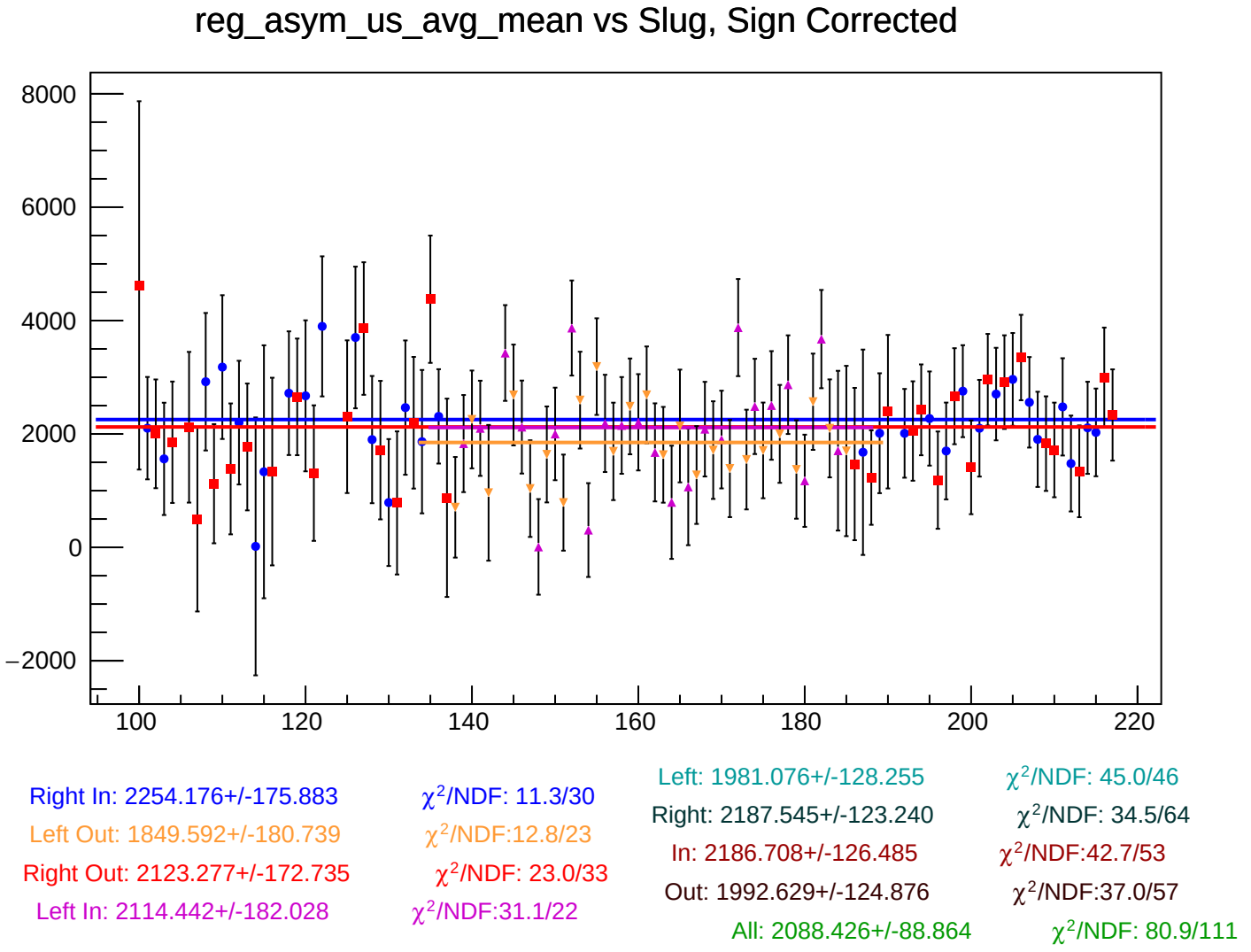
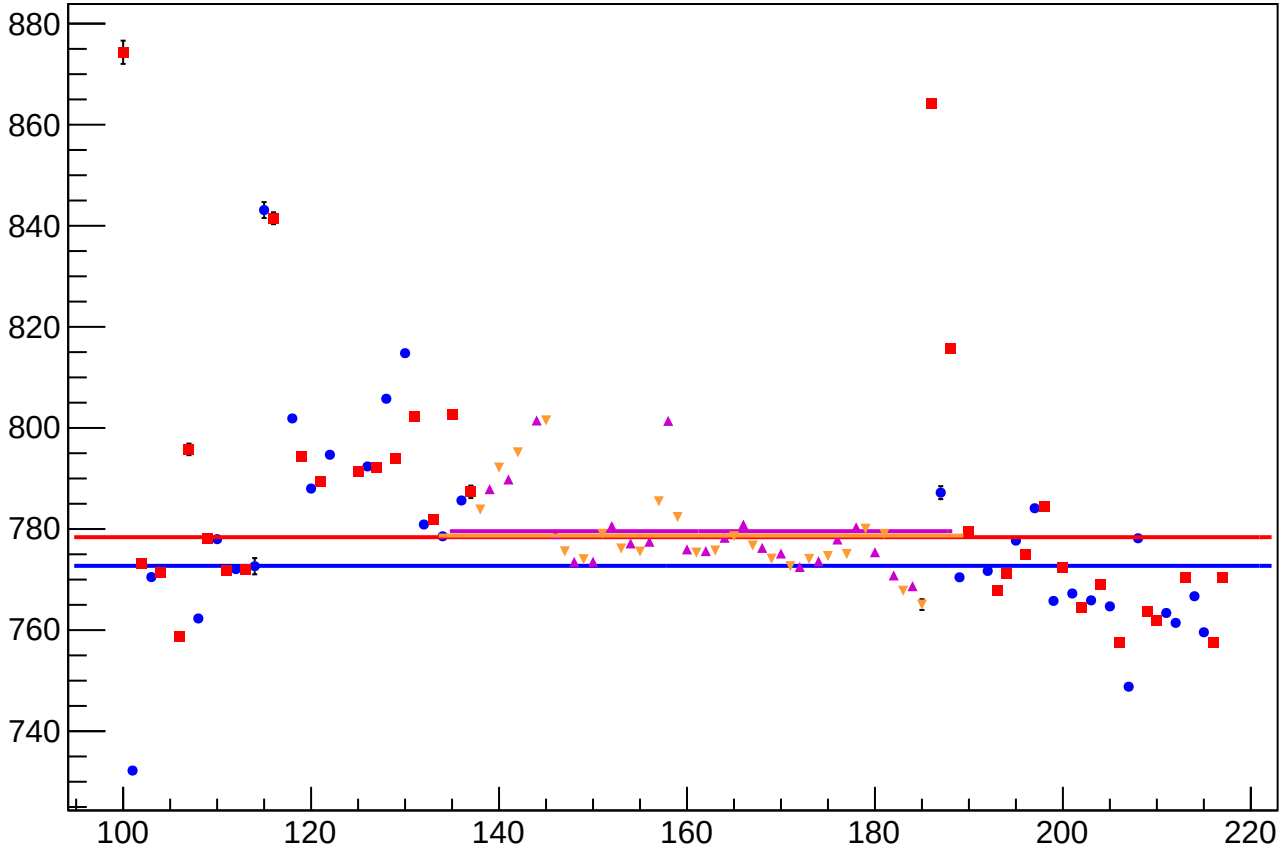

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 2254.176+/-175.883
χ²/NDF: 11.3/30
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2123.277+/-172.735
χ²/NDF: 23.0/33
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2187.545+/-123.240
χ²/NDF: 34.5/64
In: 2186.708+/-126.485
χ²/NDF:42.7/53
Out: 1992.629+/-124.876
χ²/NDF:37.0/57
All: 2088.426+/-88.864
χ²/NDF: 80.9/111

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: 778.386+/-0.122 χ^2/NDF: 26922.3/33

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

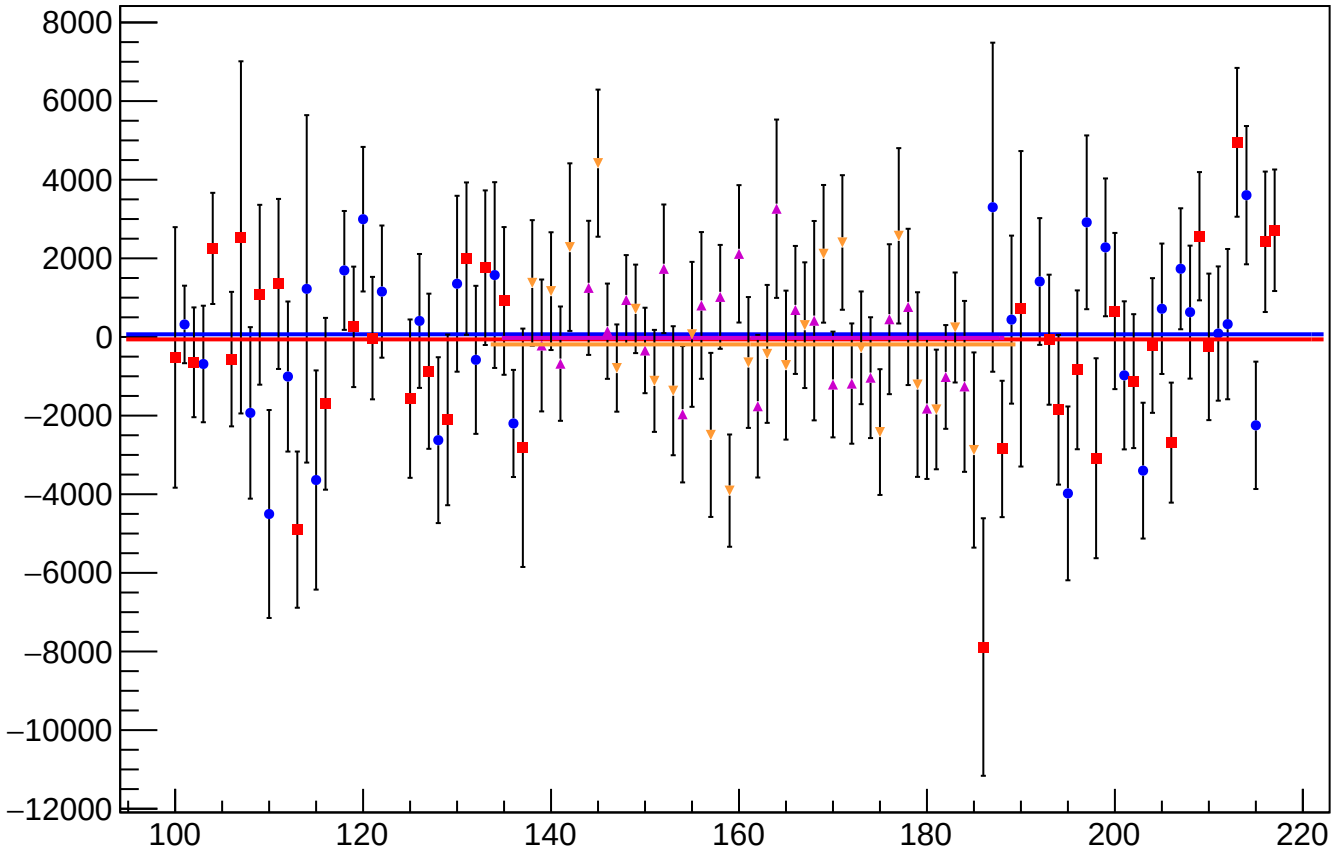
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.603+/-0.087 χ^2/NDF: 46478.8/64

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

Out: 778.540+/-0.088 χ^2/NDF:30315.4/57

All: 777.300+/-0.063 χ^2/NDF: 54854.3/111



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: -61.229+/-326.056 χ^2/NDF: 44.2/33

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

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

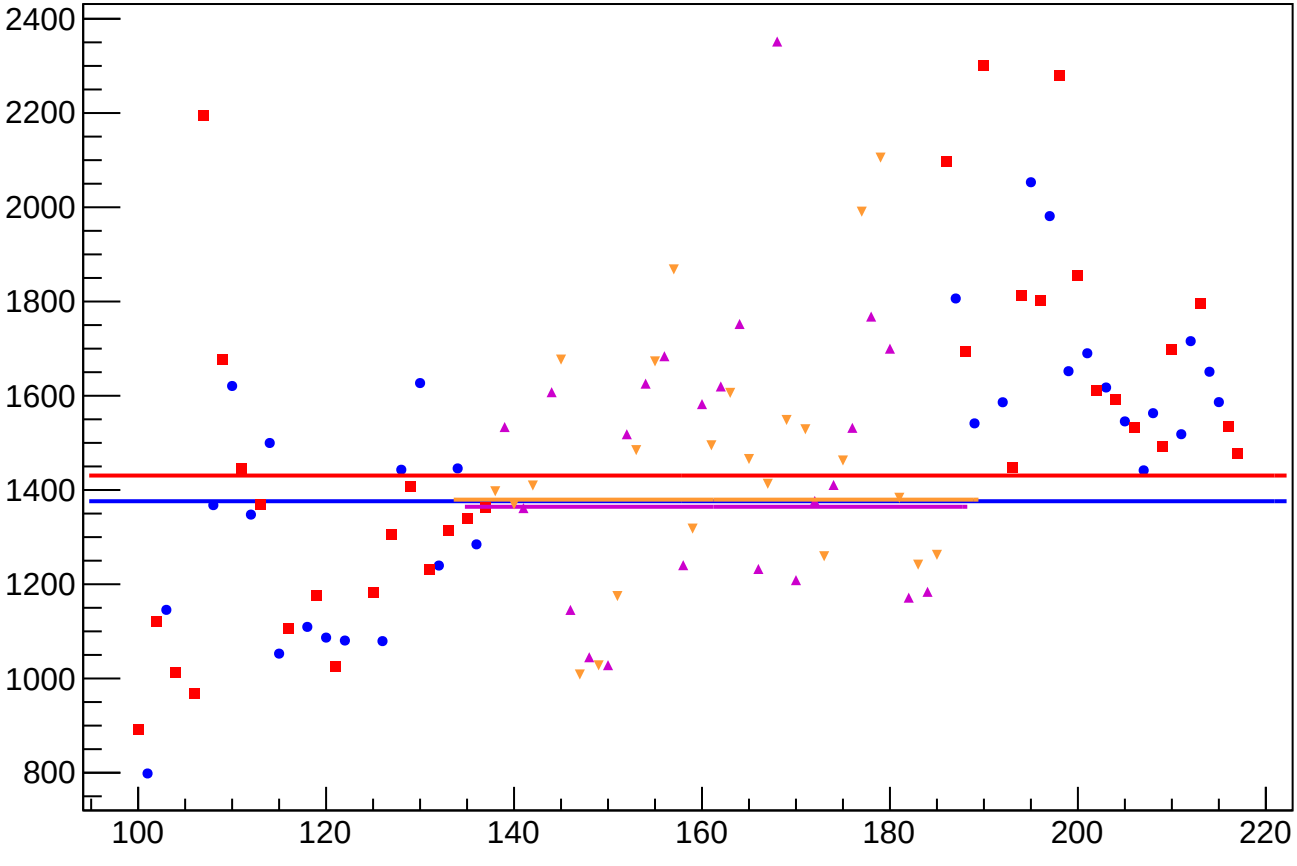
Right: 4.188+/-229.279 χ^2/NDF: 79.8/64

In: 22.685+/-229.193 χ^2/NDF:49.0/53

Out: -124.801+/-231.126 χ^2/NDF:73.9/57

All: -50.438+/-162.743 χ^2/NDF: 123.1/111

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: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

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

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

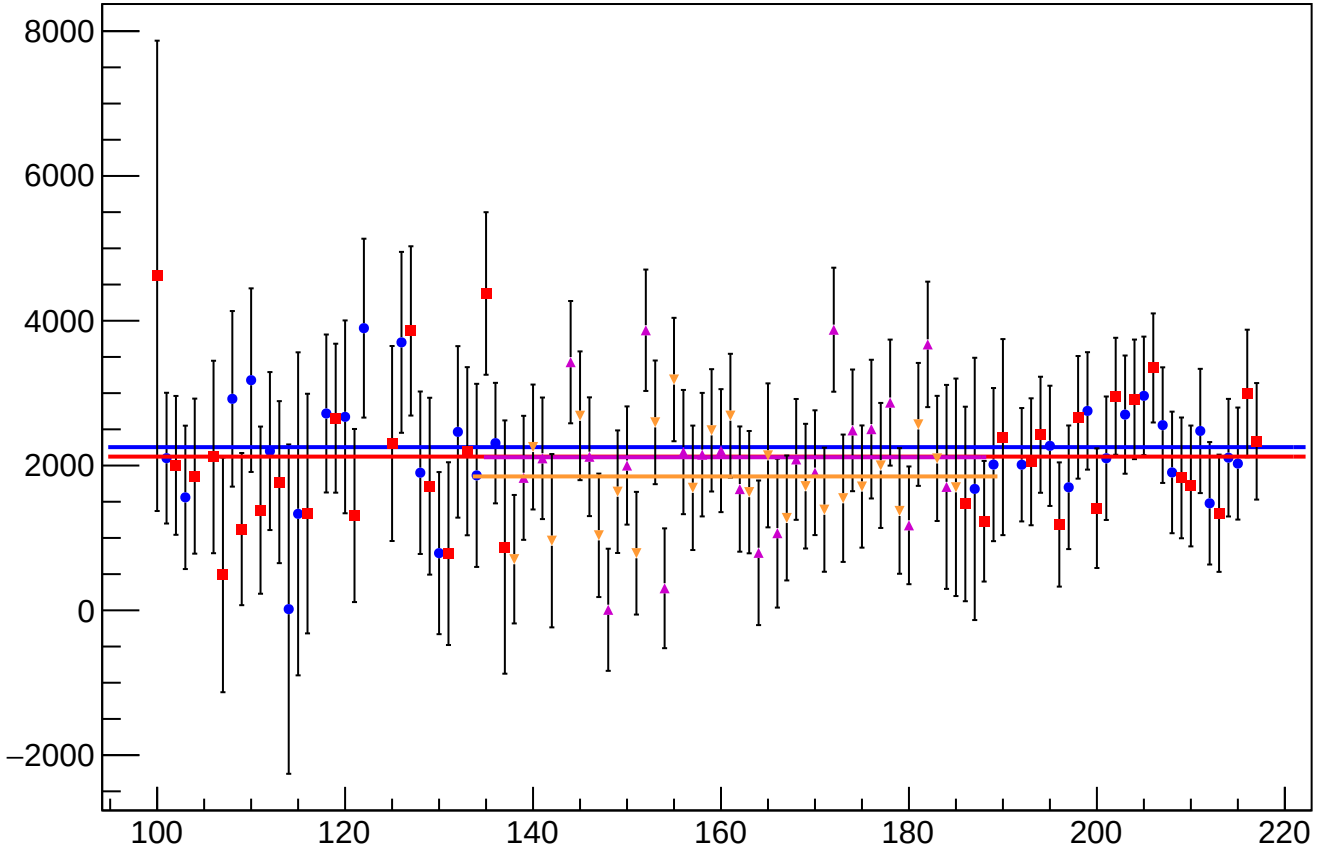
Right: 1403.134+/-0.162 χ^2/NDF: 3575022.1/64

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

Out: 1405.234+/-0.163 χ^2/NDF:2908622.3/57

All: 1387.652+/-0.115 χ^2/NDF: 6066312.2/11

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: 2123.277+/-172.735 χ^2/NDF: 23.0/33

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

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

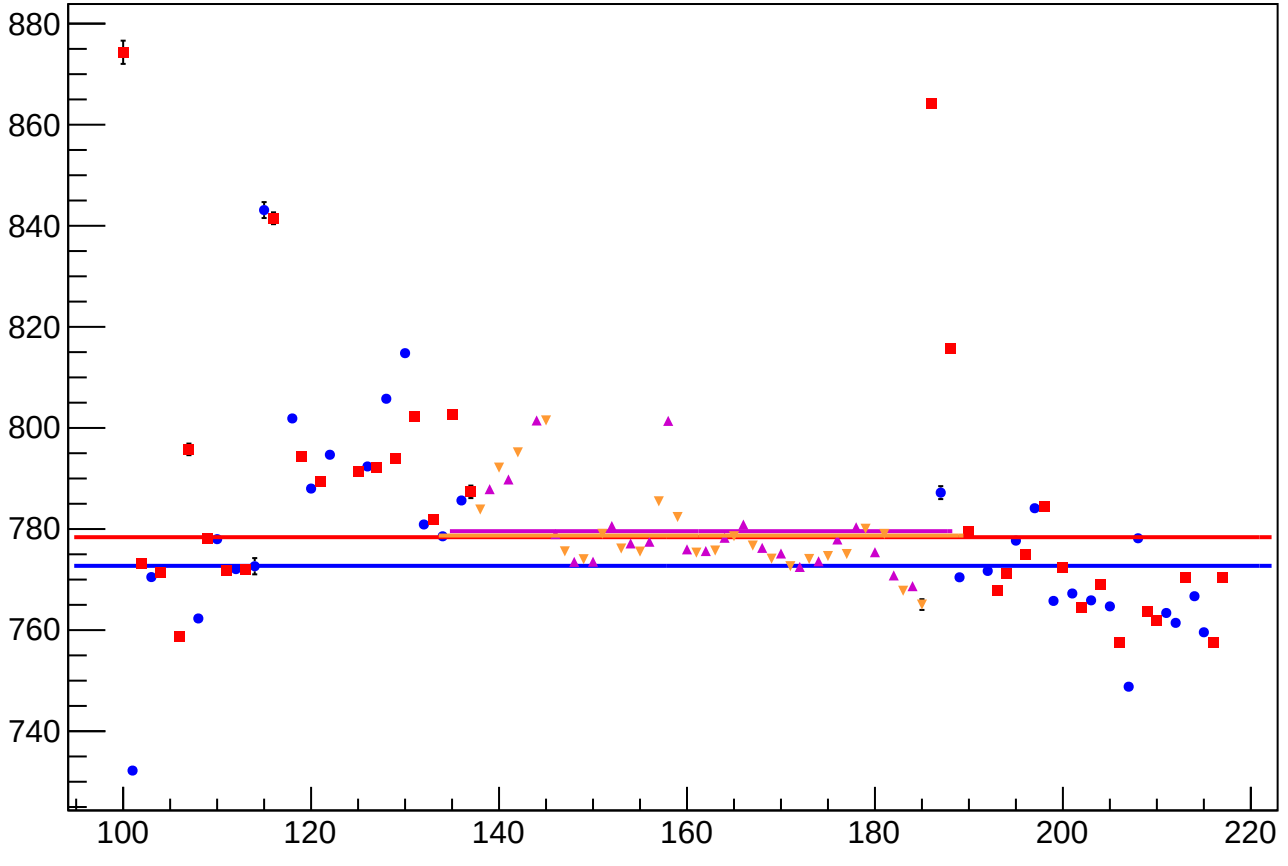
Right: 2187.545+/-123.240 χ^2/NDF: 34.5/64

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

Out: 1992.629+/-124.876 χ^2/NDF:37.0/57

All: 2088.426+/-88.864 χ^2/NDF: 80.9/111

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: 778.386+/-0.122 χ^2/NDF: 26922.3/33

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

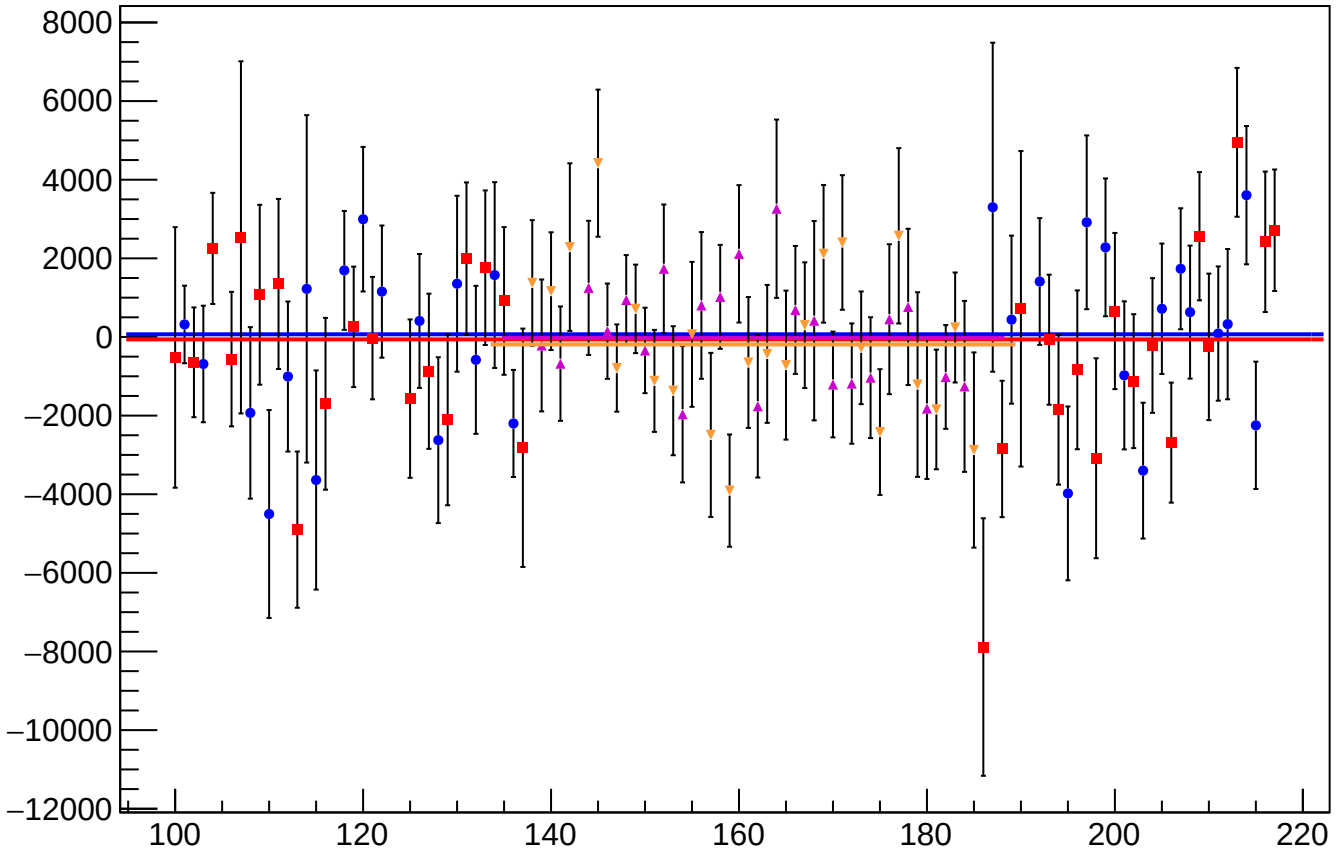
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.603+/-0.087 χ^2/NDF: 46478.8/64

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

Out: 778.540+/-0.088 χ^2/NDF:30315.4/57

All: 777.300+/-0.063 χ^2/NDF: 54854.3/111



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: -61.229+/-326.056 χ^2/NDF: 44.2/33

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

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

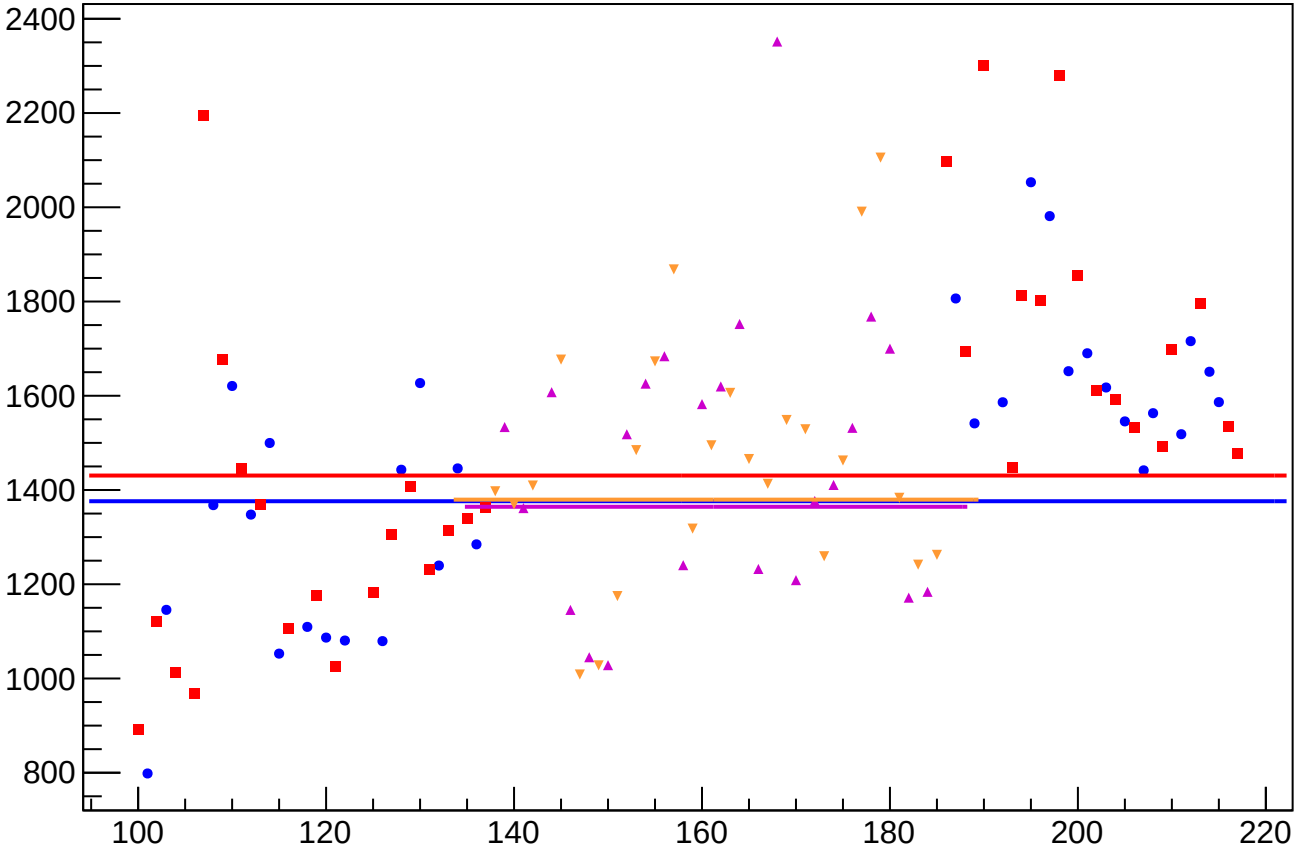
Right: 4.188+/-229.279 χ^2/NDF: 79.8/64

In: 22.685+/-229.193 χ^2/NDF:49.0/53

Out: -124.801+/-231.126 χ^2/NDF:73.9/57

All: -50.438+/-162.743 χ^2/NDF: 123.1/111

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: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

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

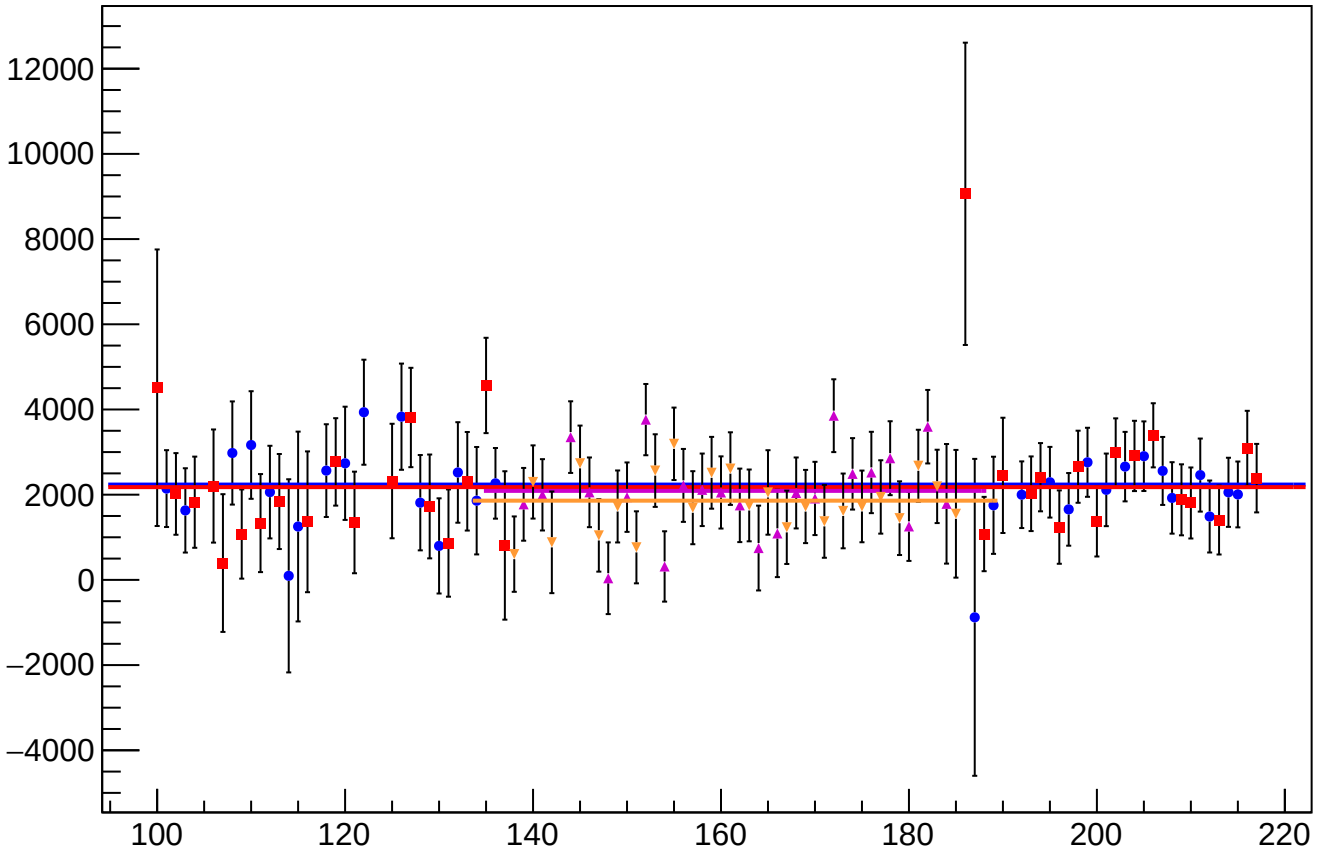
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1403.134+/-0.162 χ^2/NDF: 3575022.1/64

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

Out: 1405.234+/-0.163 χ^2/NDF:2908622.3/57

All: 1387.652+/-0.115 χ^2/NDF: 6066312.2/11



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: 2177.359+/-174.090 χ^2/NDF: 27.8/33

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

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

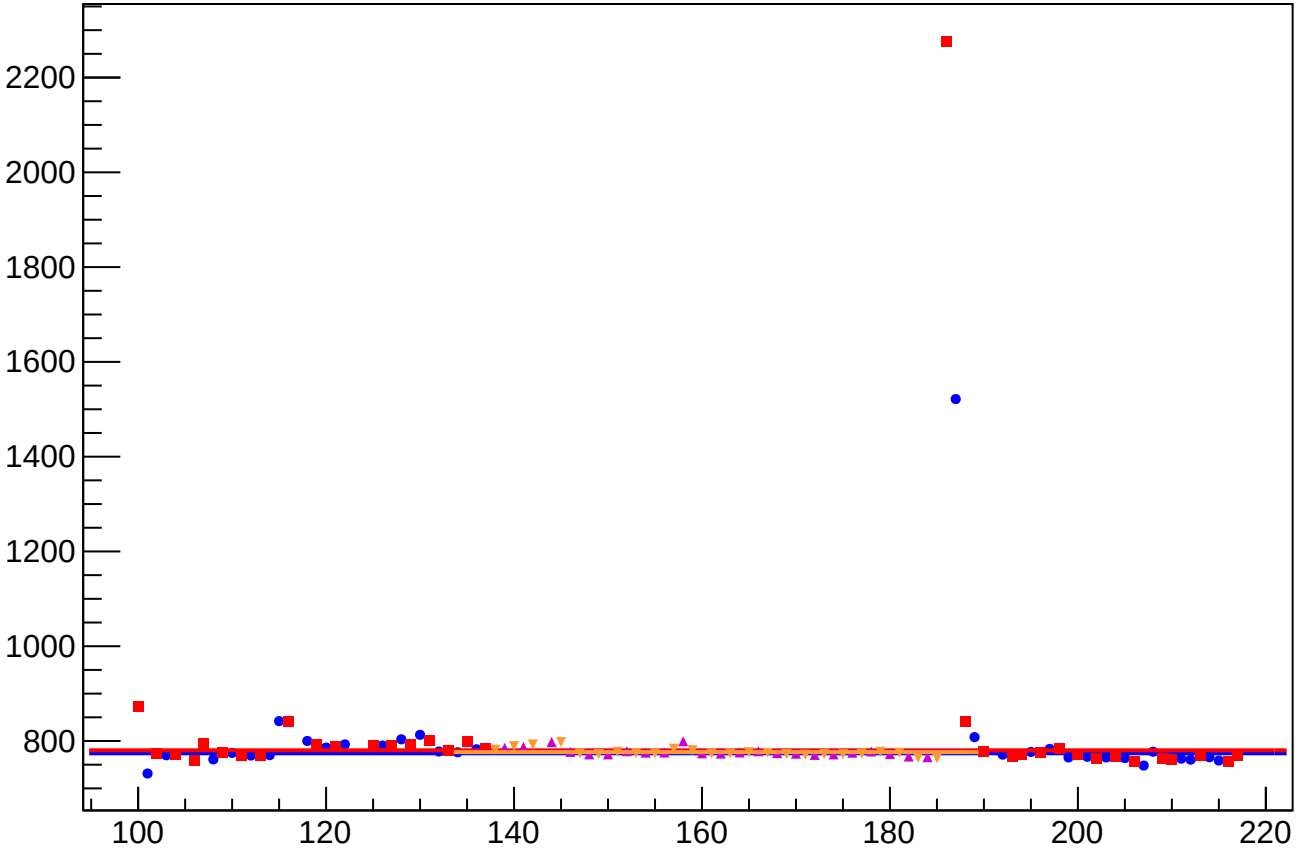
Right: 2206.886+/-123.978 χ^2/NDF: 40.1/64

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

Out: 2023.950+/-125.215 χ^2/NDF:42.9/57

All: 2093.914+/-89.019 χ^2/NDF: 85.8/111

overload_cor_asym_us_avg_rms vs Slug, Sign Corrected



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: 780.380+/-0.123 χ^2/NDF: 381008.1/33

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

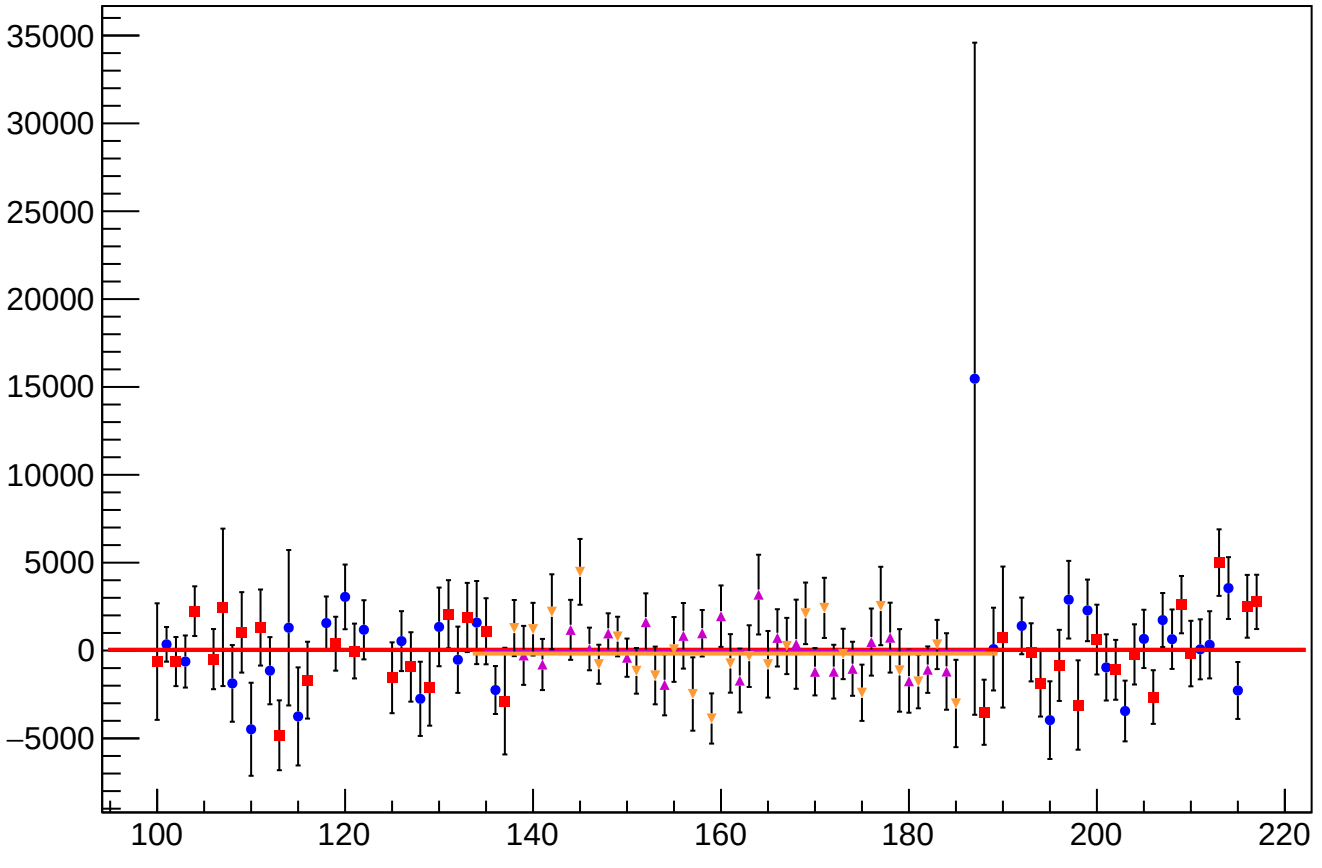
Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

Right: 777.255+/-0.088 χ^2/NDF: 482882.0/64

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

Out: 778.518+/-0.089 χ^2/NDF:384619.1/57

All: 777.114+/-0.063 χ^2/NDF: 490110.7/111



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: 38.075+/-328.601 χ^2/NDF: 39.8/32

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

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

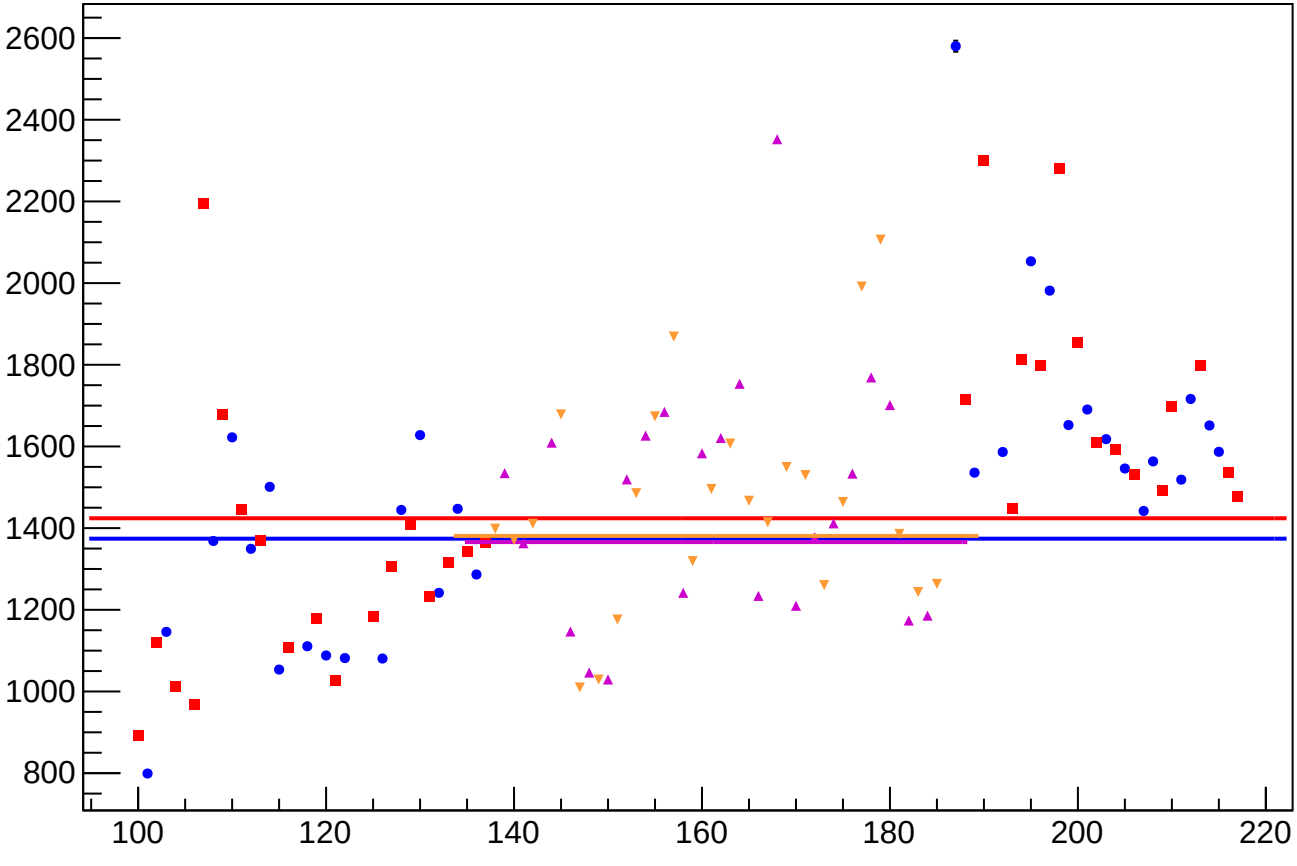
Right: 38.712+/-230.801 χ^2/NDF: 75.6/63

In: -6.478+/-229.938 χ^2/NDF:48.8/53

Out: -68.626+/-232.140 χ^2/NDF:69.6/56

All: -37.256+/-163.364 χ^2/NDF: 118.4/110

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: 1424.135+/-0.232 χ^2/NDF: 1636145.4/32

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

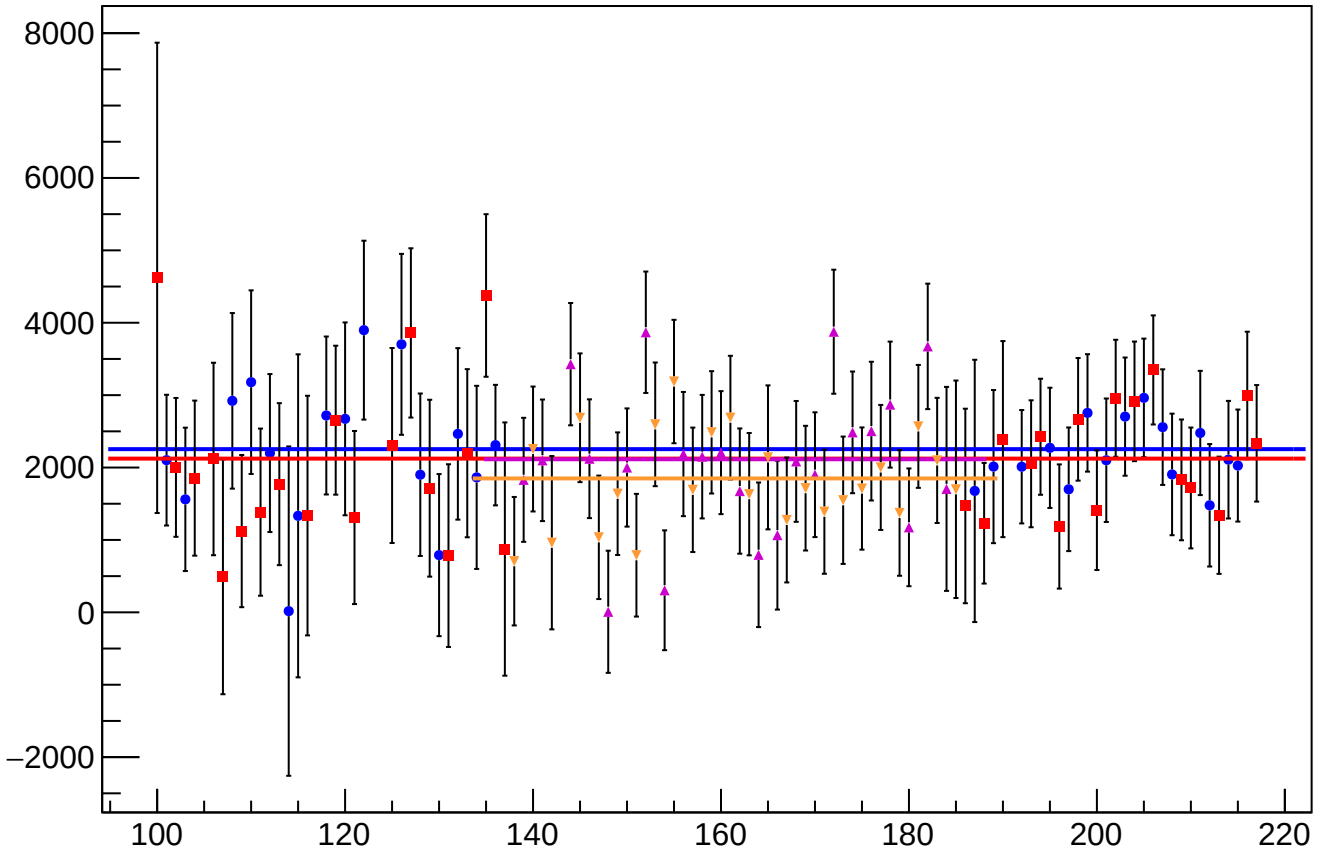
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1398.817+/-0.163 χ^2/NDF: 3459498.4/63

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

Out: 1402.503+/-0.164 χ^2/NDF:2808884.5/56

All: 1386.103+/-0.116 χ^2/NDF: 5938103.7/11



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: 2123.277+/-172.735 χ^2/NDF: 23.0/33

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

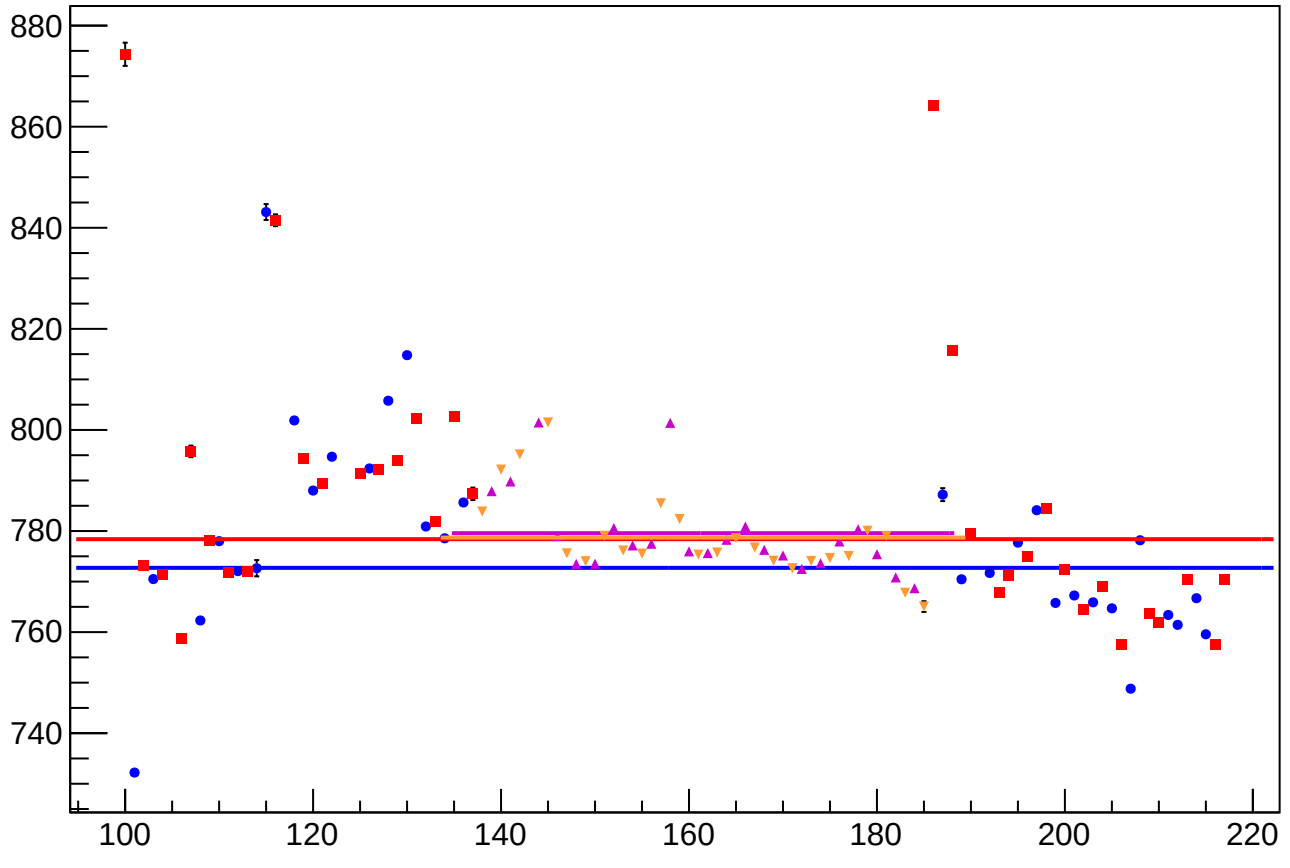
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2187.545+/-123.240 χ^2/NDF: 34.5/64

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

Out: 1992.629+/-124.876 χ^2/NDF:37.0/57

All: 2088.426+/-88.864 χ^2/NDF: 80.9/111



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: 778.386+/-0.122 χ^2/NDF: 26922.3/33

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

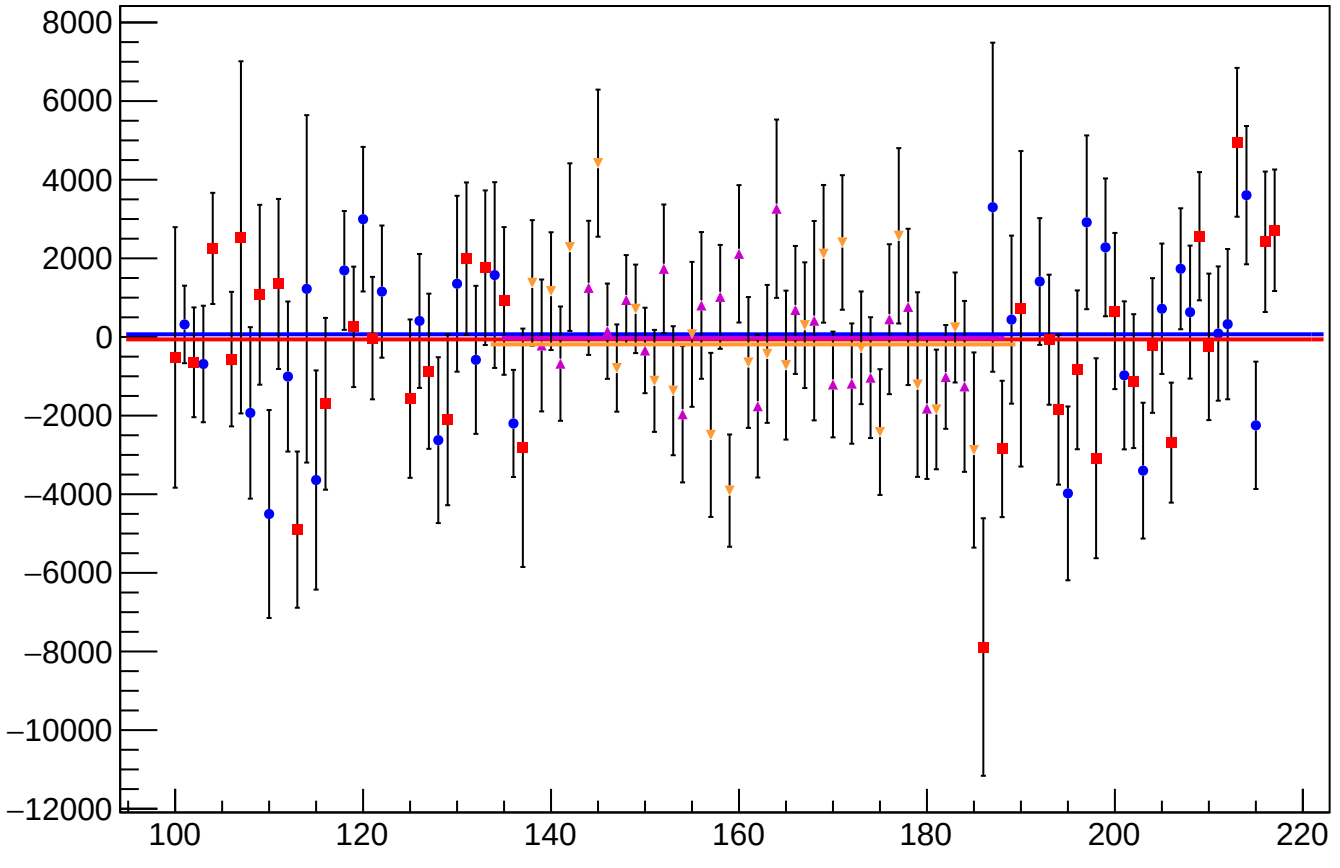
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.603+/-0.087 χ^2/NDF: 46478.8/64

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

Out: 778.540+/-0.088 χ^2/NDF:30315.4/57

All: 777.300+/-0.063 χ^2/NDF: 54854.3/111



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: -61.229+/-326.056 χ^2/NDF: 44.2/33

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

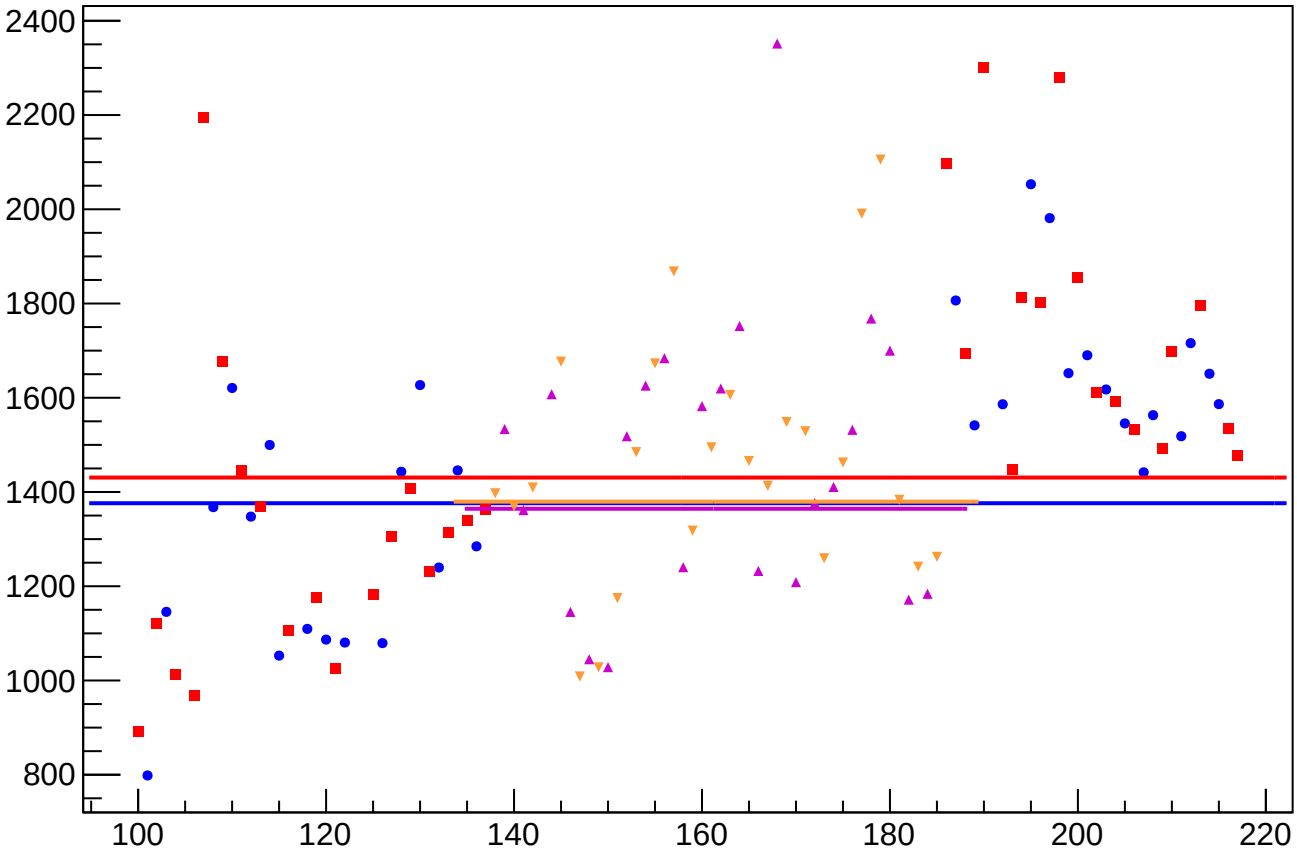
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: 4.188+/-229.279 χ^2/NDF: 79.8/64

In: 22.685+/-229.193 χ^2/NDF:49.0/53

Out: -124.801+/-231.126 χ^2/NDF:73.9/57

All: -50.438+/-162.743 χ^2/NDF: 123.1/111



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: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

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

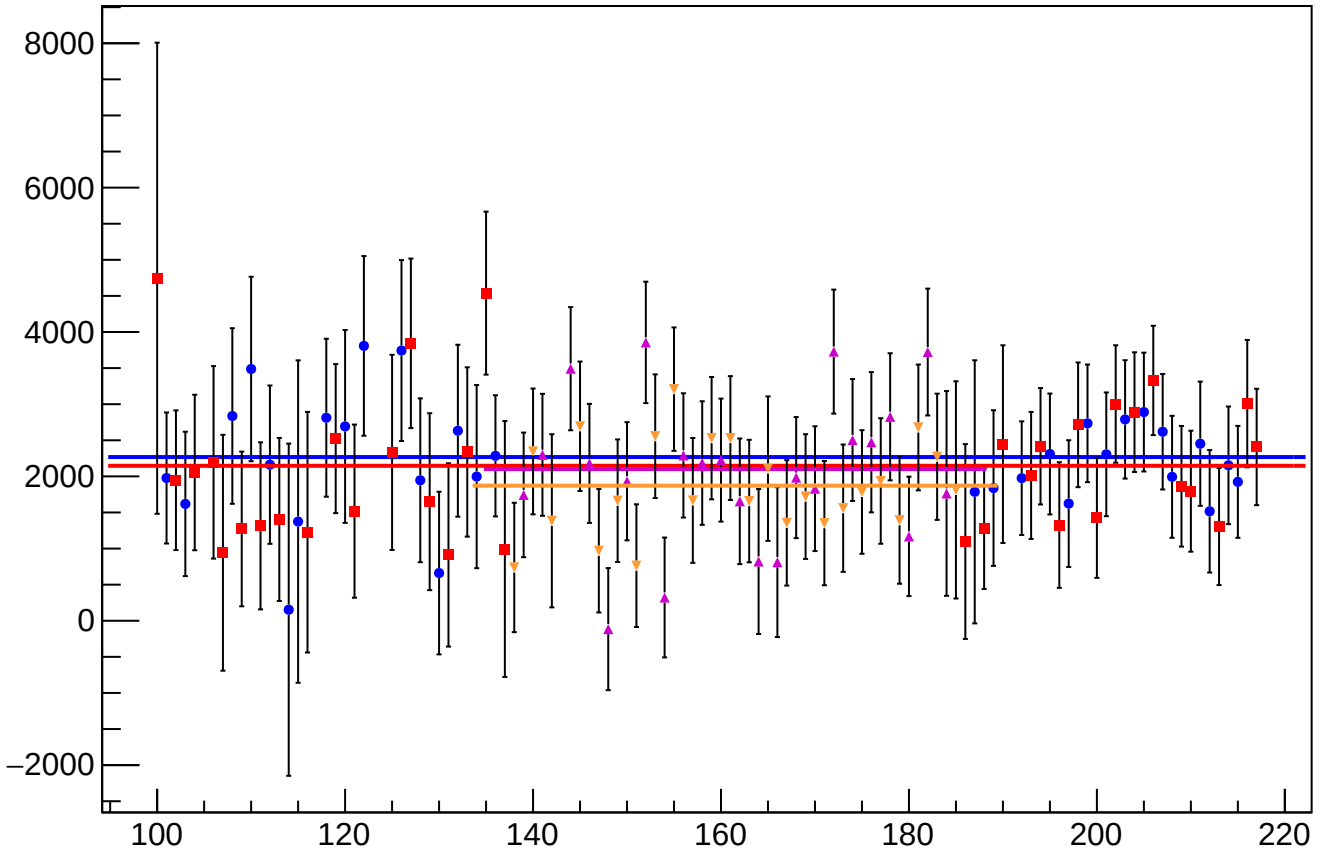
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1403.134+/-0.162 χ^2/NDF: 3575022.1/64

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

Out: 1405.234+/-0.163 χ^2/NDF:2908622.3/57

All: 1387.652+/-0.115 χ^2/NDF: 6066312.2/11



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: 2146.804+/-173.803 χ^2/NDF: 22.4/33

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

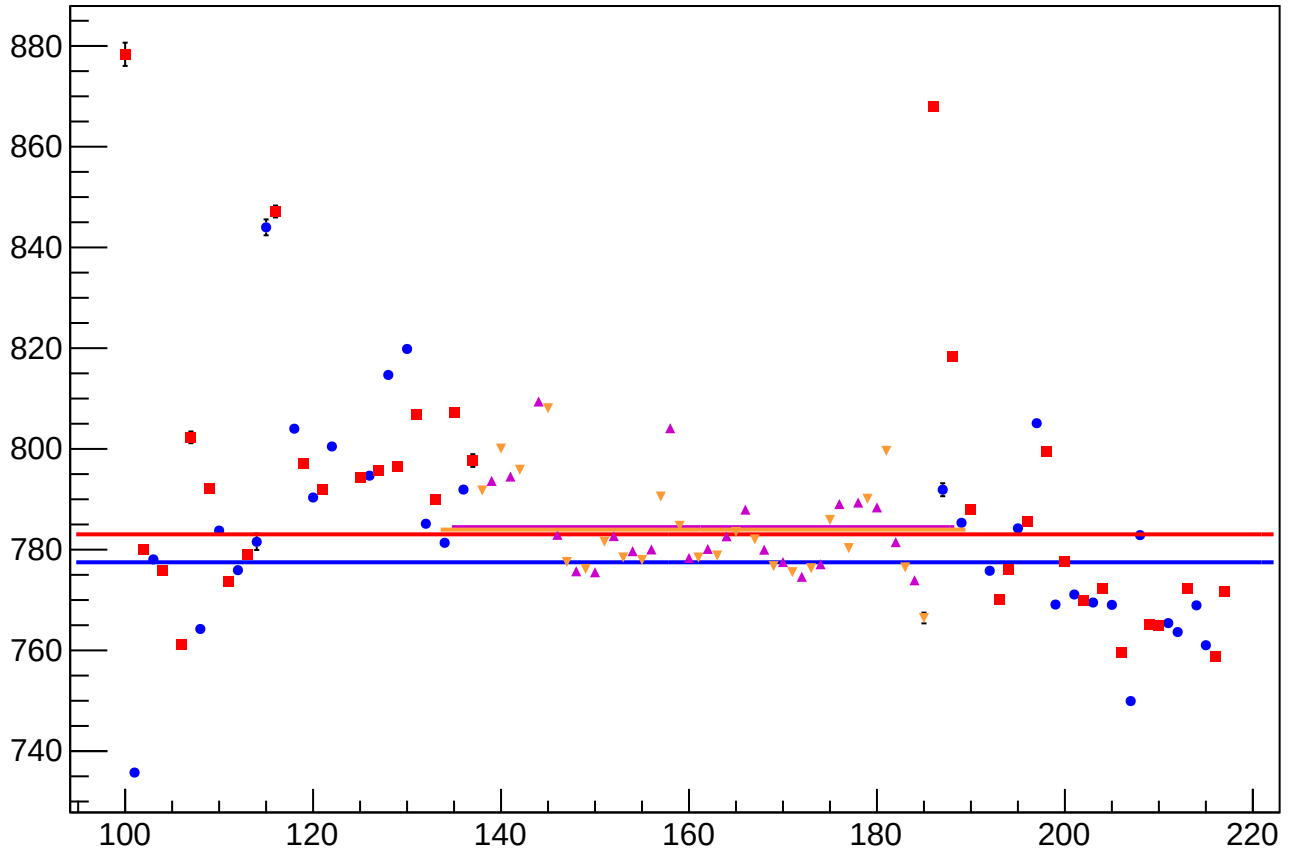
Left: 1985.496+/-129.100 χ^2/NDF: 45.0/46

Right: 2206.188+/-124.011 χ^2/NDF: 34.4/64

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

Out: 2015.452+/-125.688 χ^2/NDF:36.1/57

All: 2100.277+/-89.434 χ^2/NDF: 81.0/111



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: 783.041+/-0.123 χ^2/NDF: 28642.3/33

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

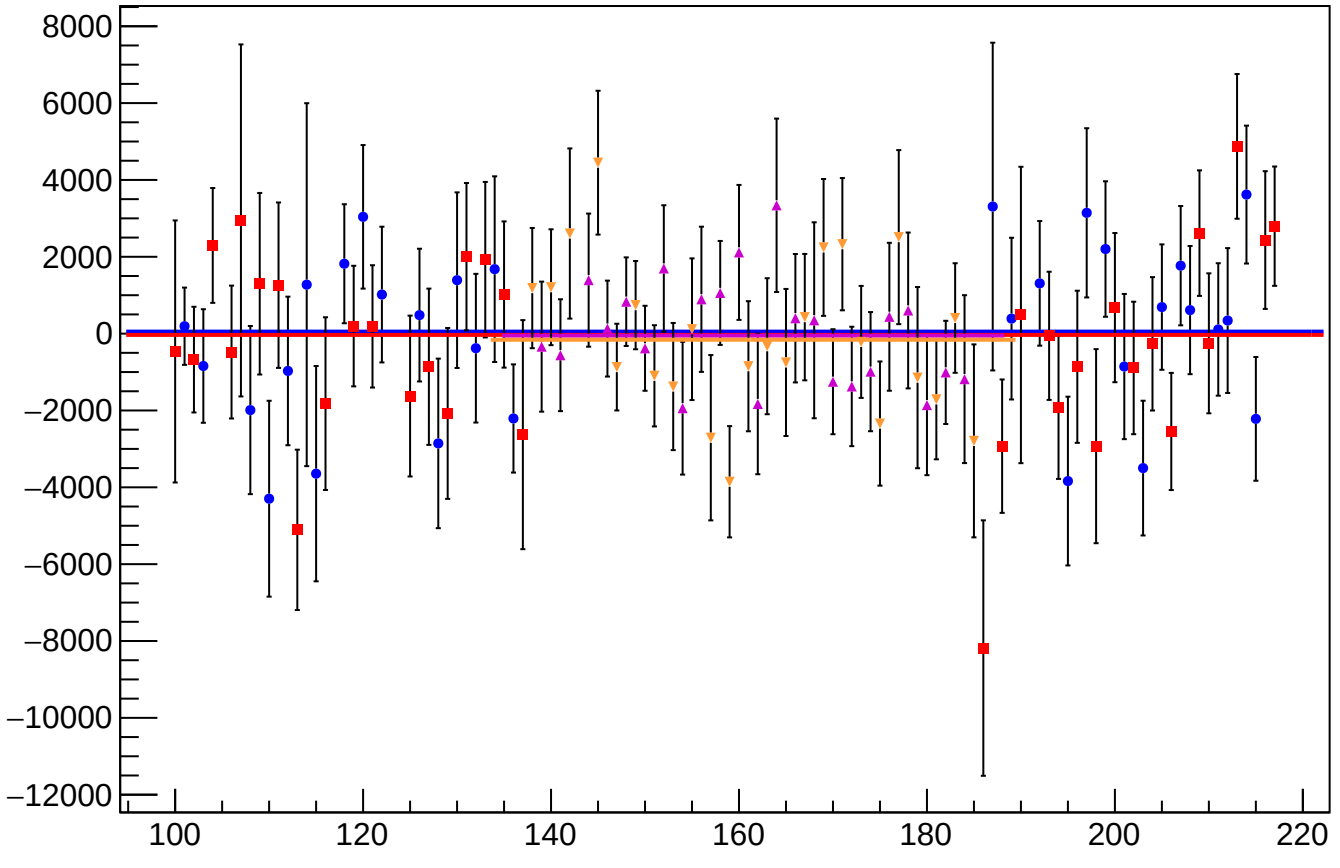
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 780.318+/-0.088 χ^2/NDF: 51611.9/64

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

Out: 783.490+/-0.089 χ^2/NDF:33598.3/57

All: 782.193+/-0.063 χ^2/NDF: 62427.9/111



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: -32.891+/-328.940 χ^2/NDF: 44.2/33

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

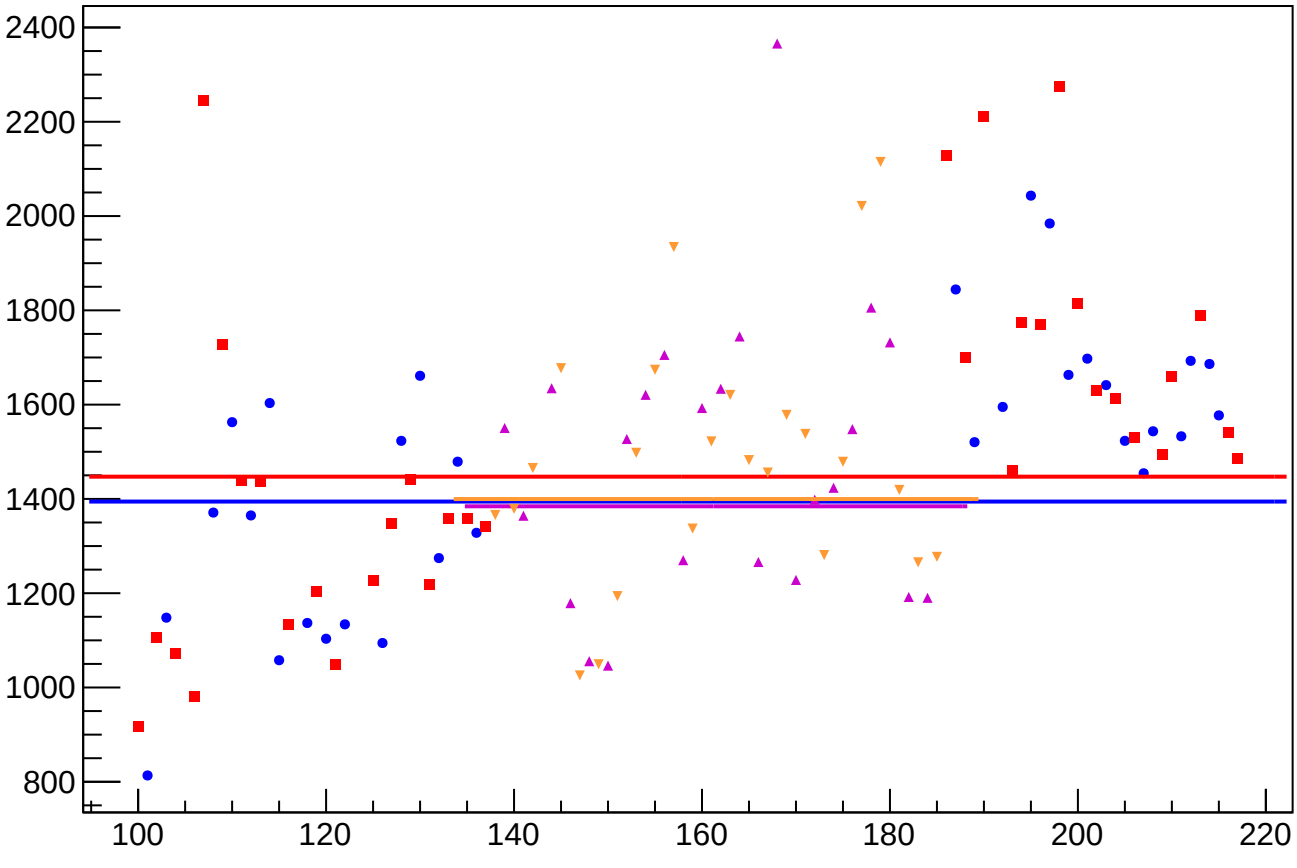
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: 10.284+/-231.519 χ^2/NDF: 79.5/64

In: 1.030+/-231.959 χ^2/NDF:48.7/53

Out: -95.461+/-233.736 χ^2/NDF:73.4/57

All: -46.847+/-164.644 χ^2/NDF: 122.2/111



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: 1447.185+/-0.233 χ^2/NDF: 1564443.9/33

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

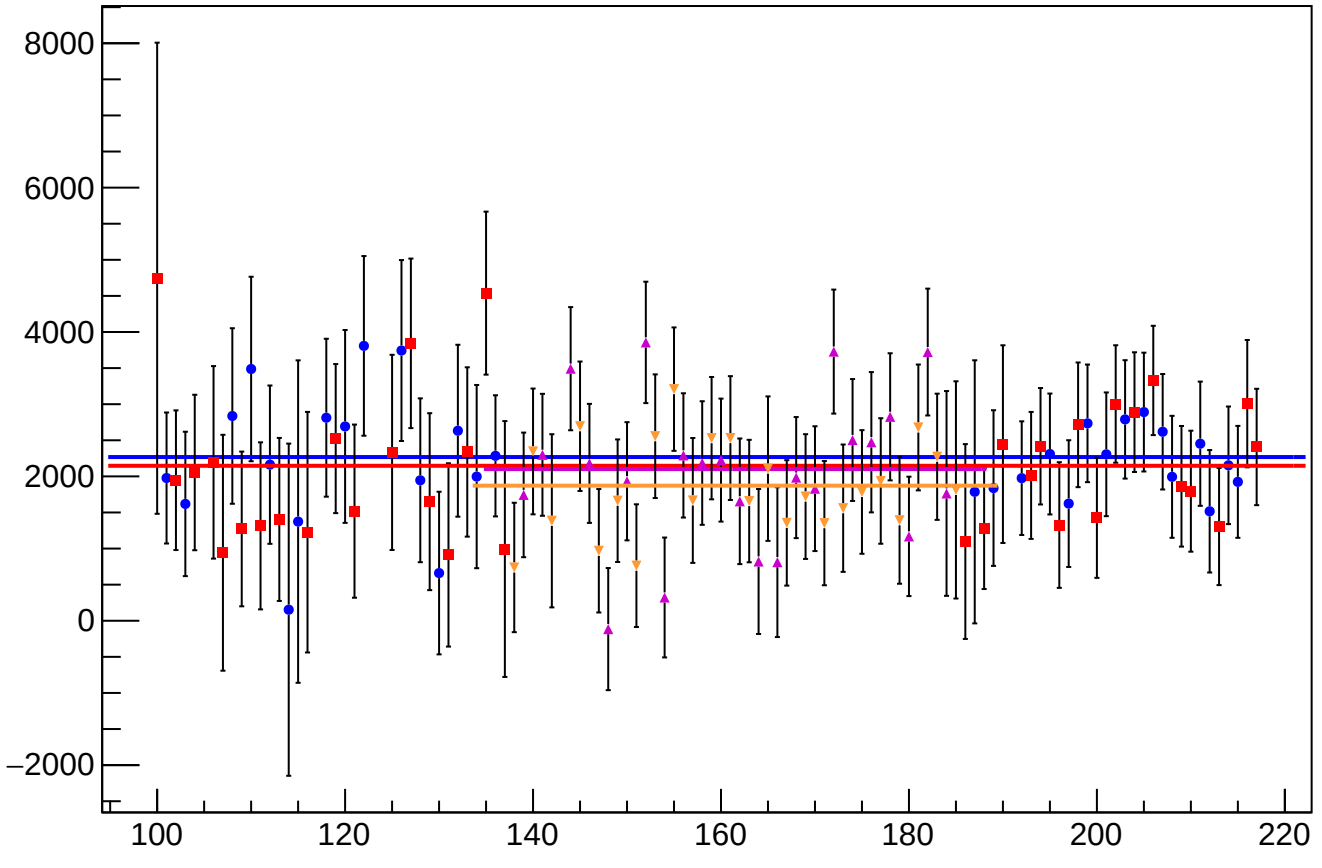
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1420.546+/-0.164 χ^2/NDF: 3301163.0/64

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

Out: 1423.684+/-0.165 χ^2/NDF:2721413.4/57

All: 1406.426+/-0.116 χ^2/NDF: 5724657.2/11



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: 2146.804+/-173.803 χ^2/NDF: 22.4/33

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

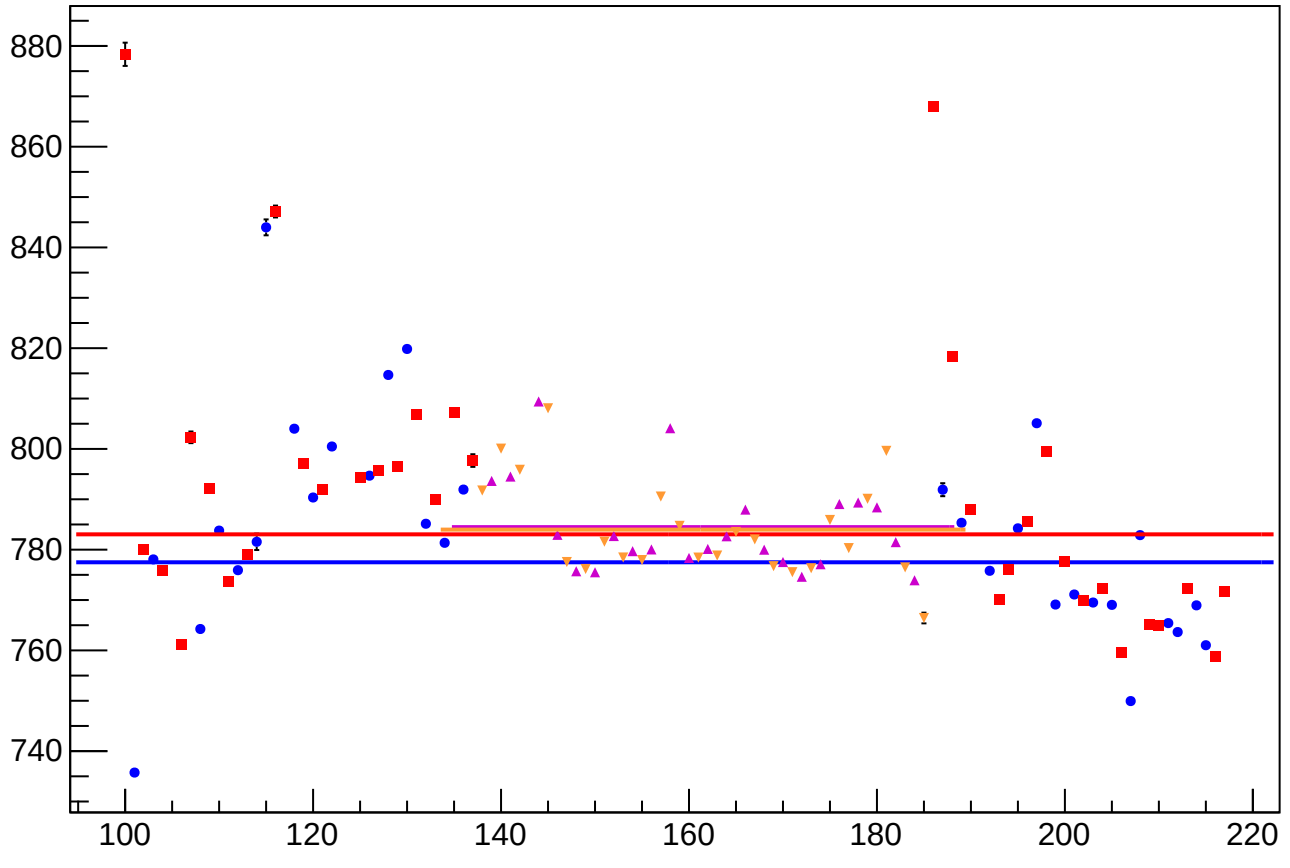
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2206.188+/-124.011 χ^2/NDF: 34.4/64

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

Out: 2015.451+/-125.688 χ^2/NDF:36.1/57

All: 2100.277+/-89.434 χ^2/NDF: 81.0/111



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: 783.041+/-0.123 χ^2/NDF: 28642.2/33

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

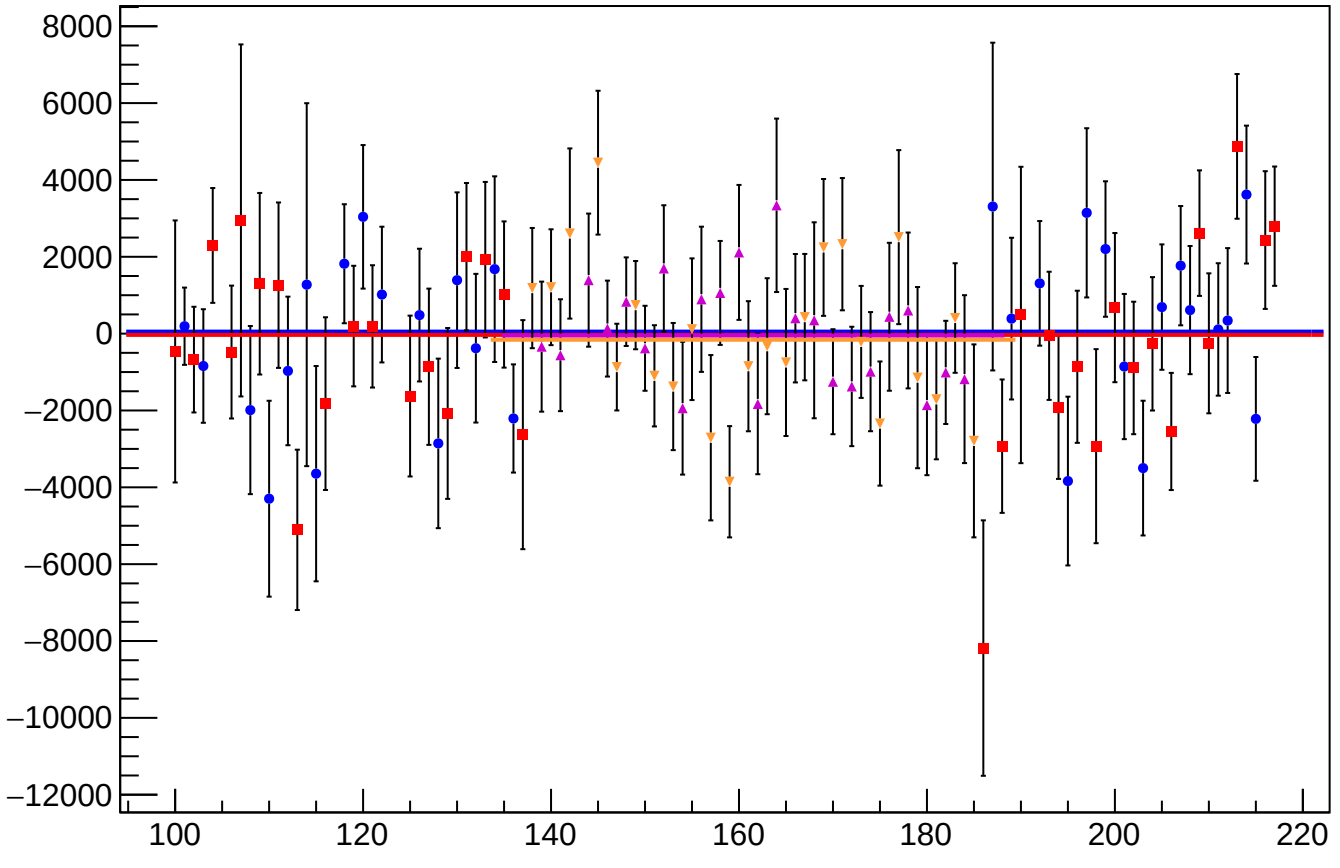
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 780.318+/-0.088 χ^2/NDF: 51611.7/64

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

Out: 783.490+/-0.089 χ^2/NDF:33598.2/57

All: 782.193+/-0.063 χ^2/NDF: 62427.7/111



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: -32.889+/-328.939 χ^2/NDF: 44.2/33

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

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

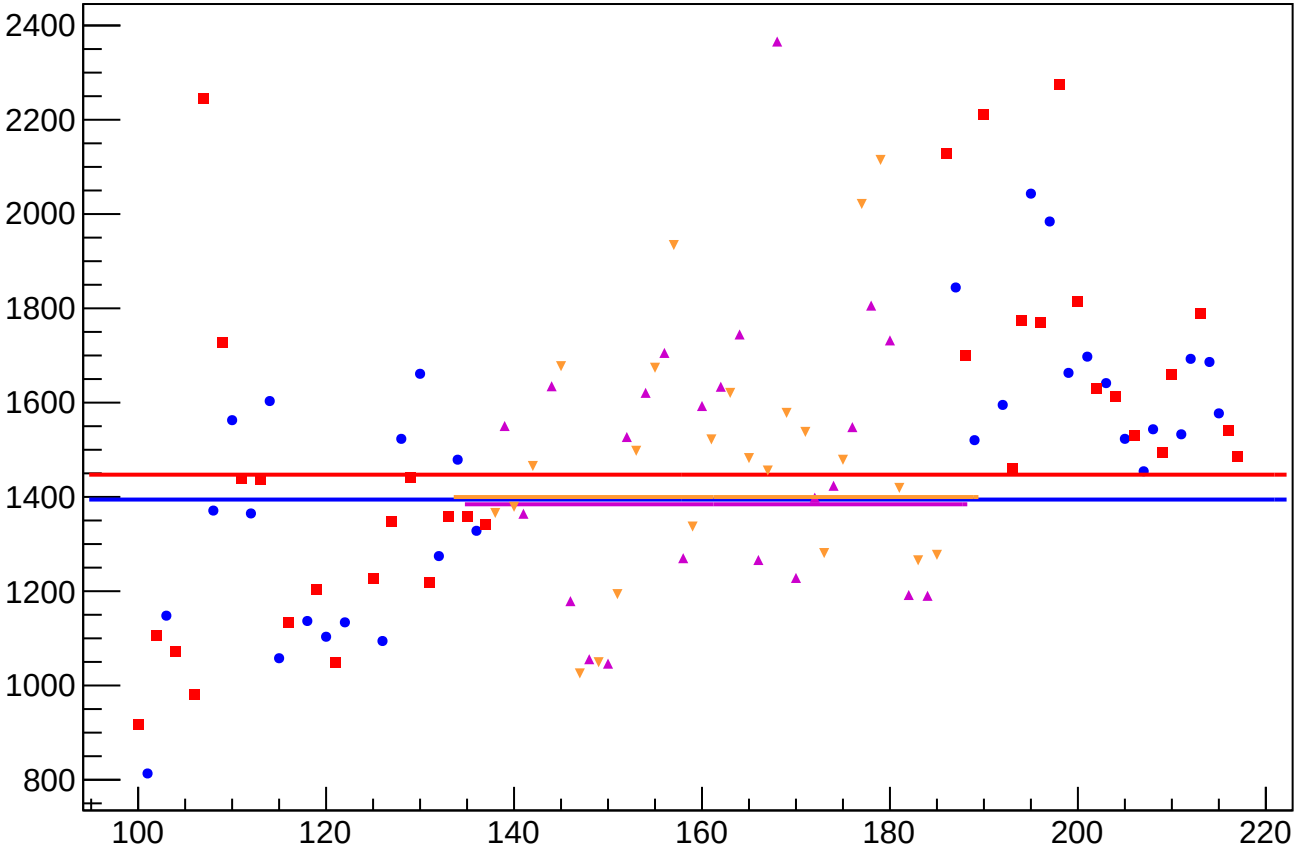
Right: 10.284+/-231.518 χ^2/NDF: 79.5/64

In: 1.031+/-231.959 χ^2/NDF:48.7/53

Out: -95.462+/-233.736 χ^2/NDF:73.4/57

All: -46.847+/-164.645 χ^2/NDF: 122.2/111

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: 1447.183+/-0.233 χ^2/NDF: 1564465.7/33

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

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

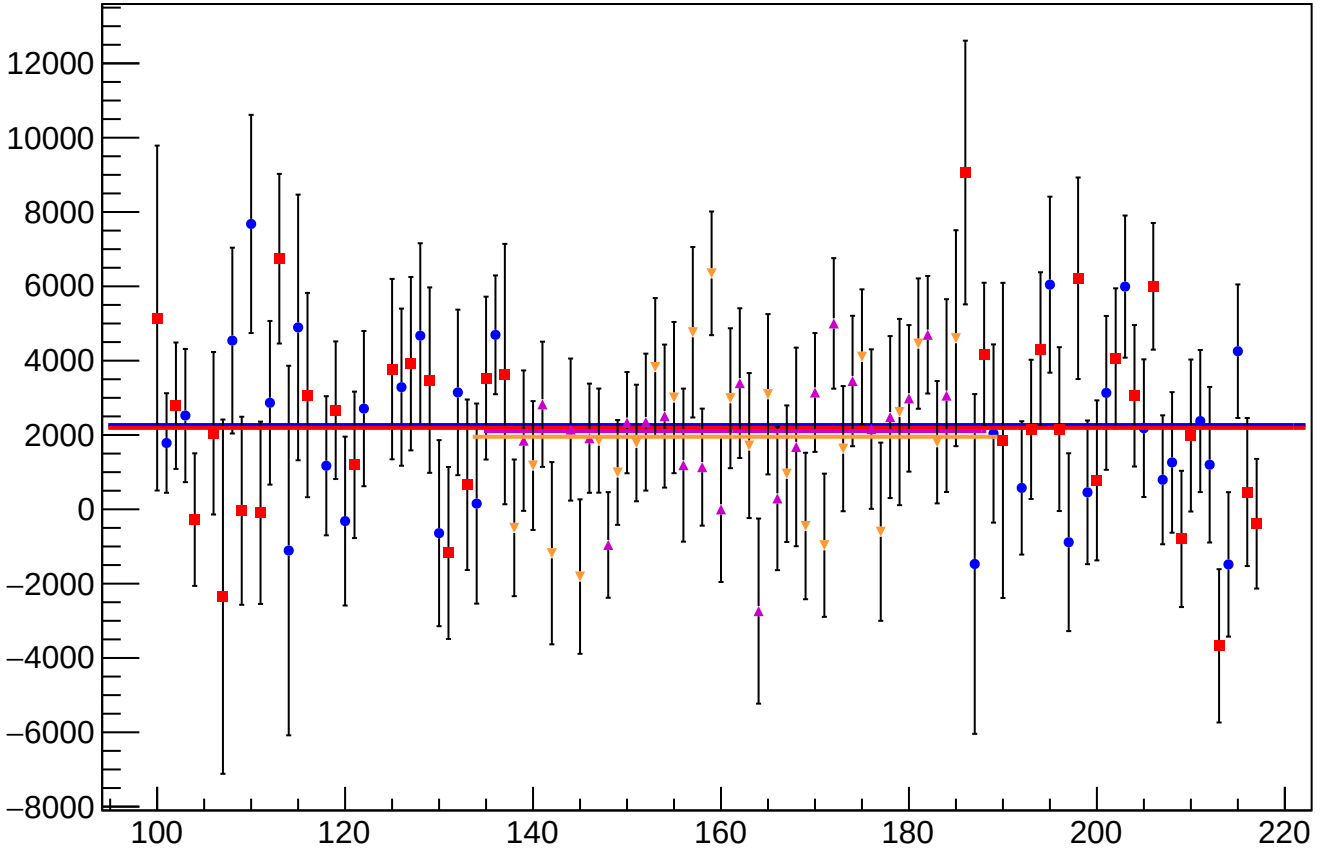
Right: 1420.545+/-0.164 χ^2/NDF: 3301206.4/64

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

Out: 1423.685+/-0.165 χ^2/NDF:2721432.6/57

All: 1406.427+/-0.116 χ^2/NDF: 5724698.1/11

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: 2191.787+/-376.100 χ^2/NDF: 42.1/33

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

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

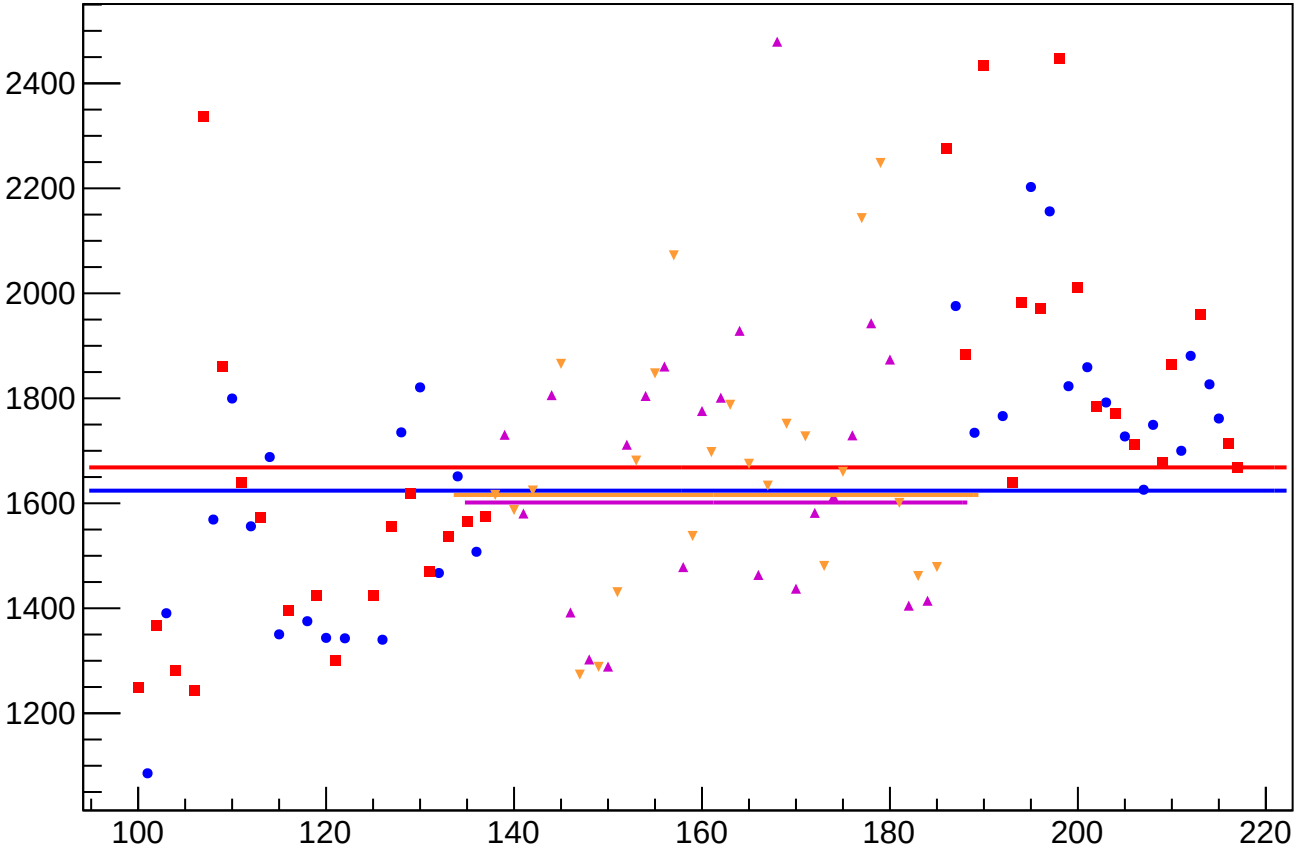
Right: 2229.590+/-265.713 χ^2/NDF: 71.8/64

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

Out: 2073.416+/-267.405 χ^2/NDF:69.7/57

All: 2130.403+/-188.851 χ^2/NDF: 118.1/111

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: 1668.388+/-0.266 χ^2/NDF: 1000861.9/33

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

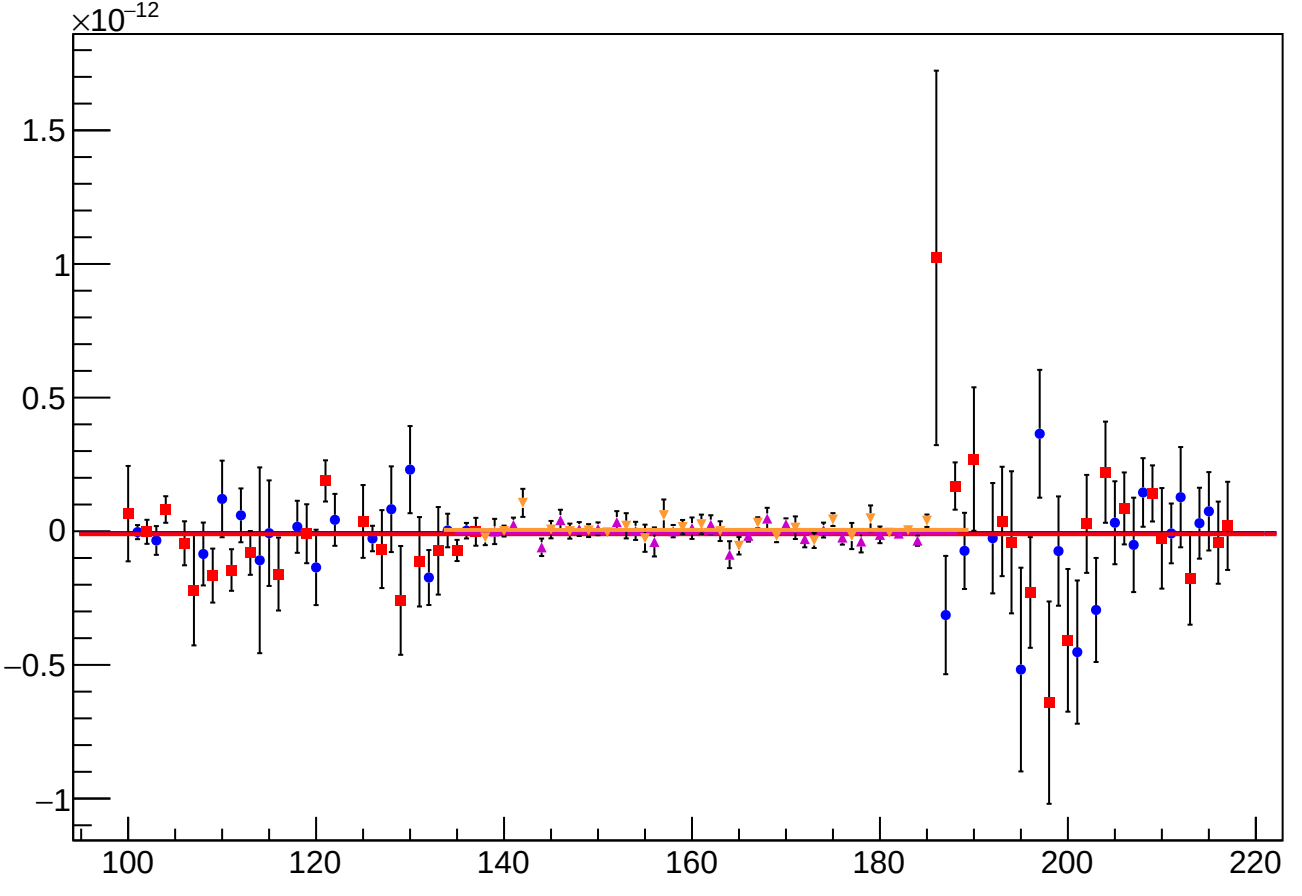
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1646.194+/-0.188 χ^2/NDF: 1960294.2/64

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

Out: 1642.410+/-0.189 χ^2/NDF:1714511.5/57

All: 1627.616+/-0.134 χ^2/NDF: 3469557.3/11



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: 42.2/33

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

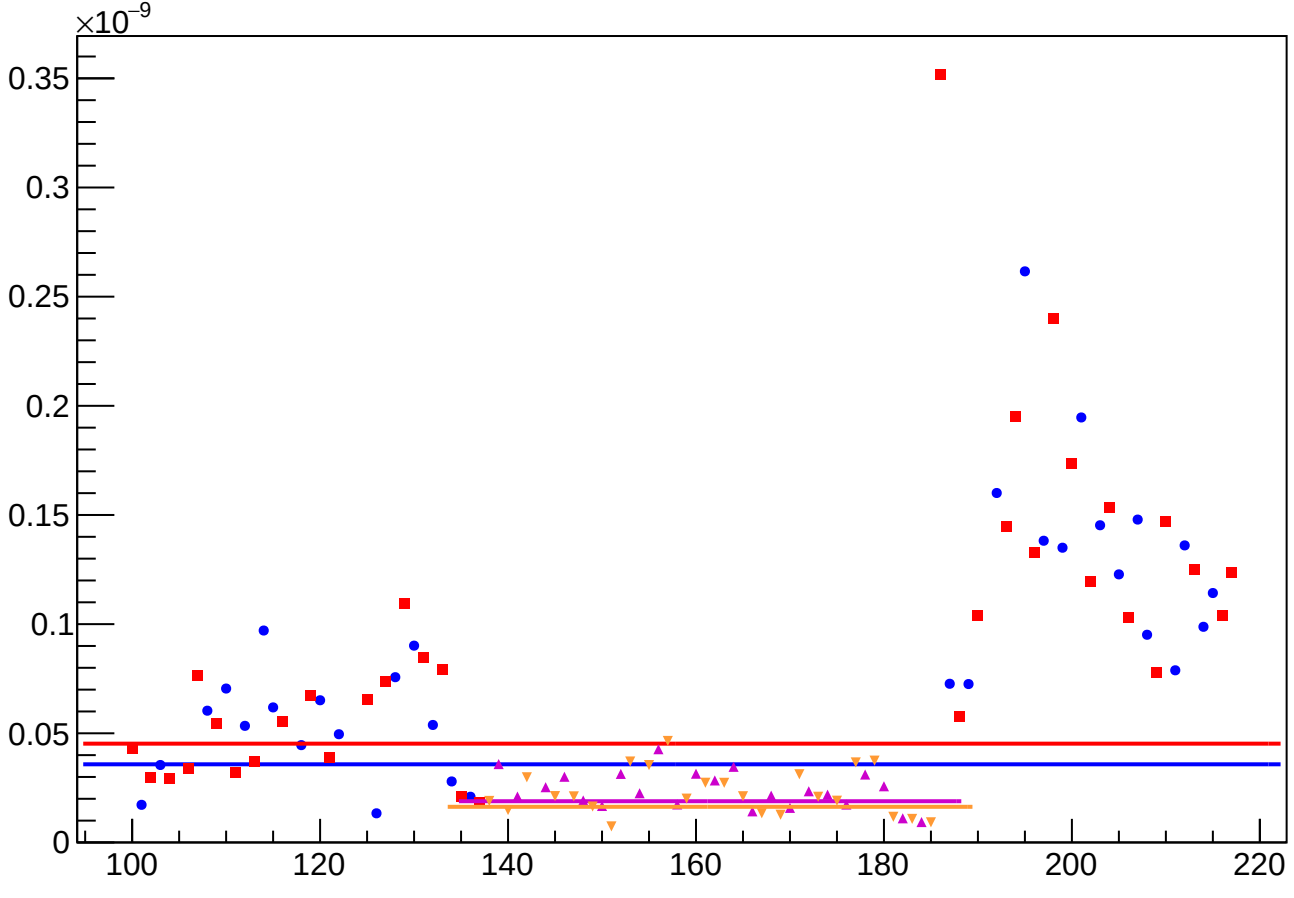
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 64.6/64

In: -0.000+/-0.000 χ^2/NDF:41.8/53

Out: 0.000+/-0.000 χ^2/NDF:64.1/57

All: -0.000+/-0.000 χ^2/NDF: 107.3/111



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: 8794422.7/33

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

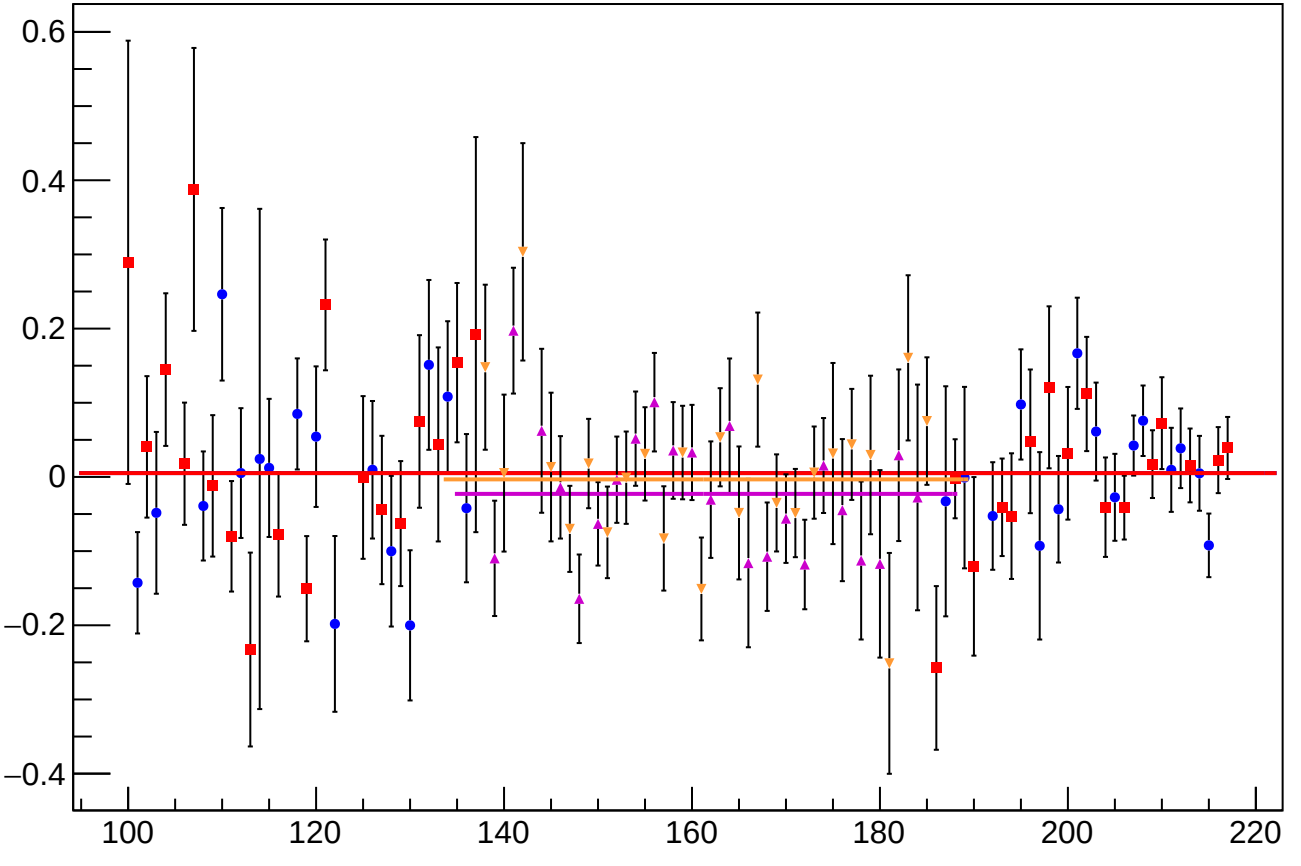
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 19604043.9/64

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

Out: 0.000+/-0.000 χ^2/NDF:18516359.3/57

All: 0.000+/-0.000 χ^2/NDF: 34797620.3/111



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: 0.005+/-0.013 χ^2/NDF: 42.6/33

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

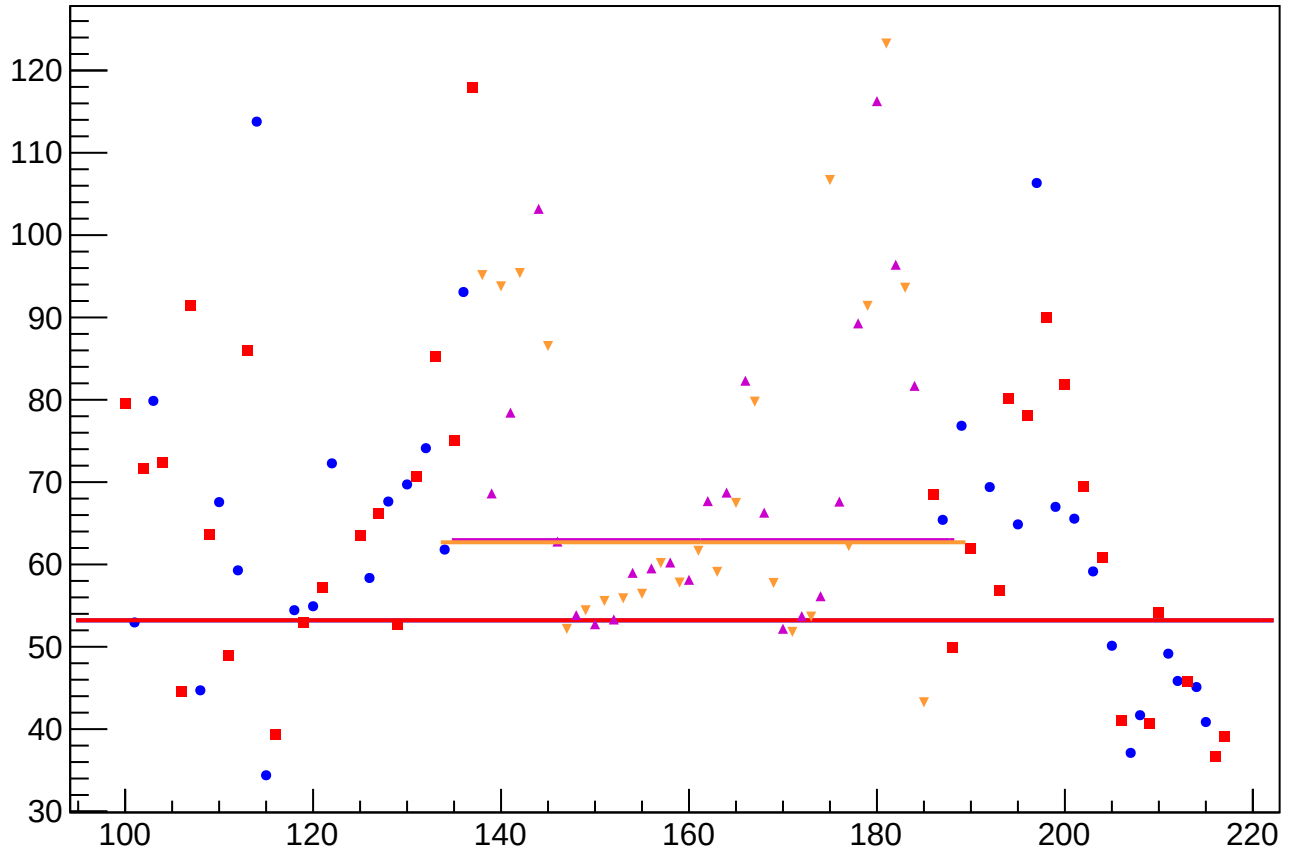
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.005+/-0.009 χ^2/NDF: 82.2/64

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: 0.002+/-0.010 χ^2/NDF:68.6/57

All: -0.002+/-0.007 χ^2/NDF: 139.5/111



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: 53.223+/-0.009 χ^2/NDF: 2701928.4/33

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

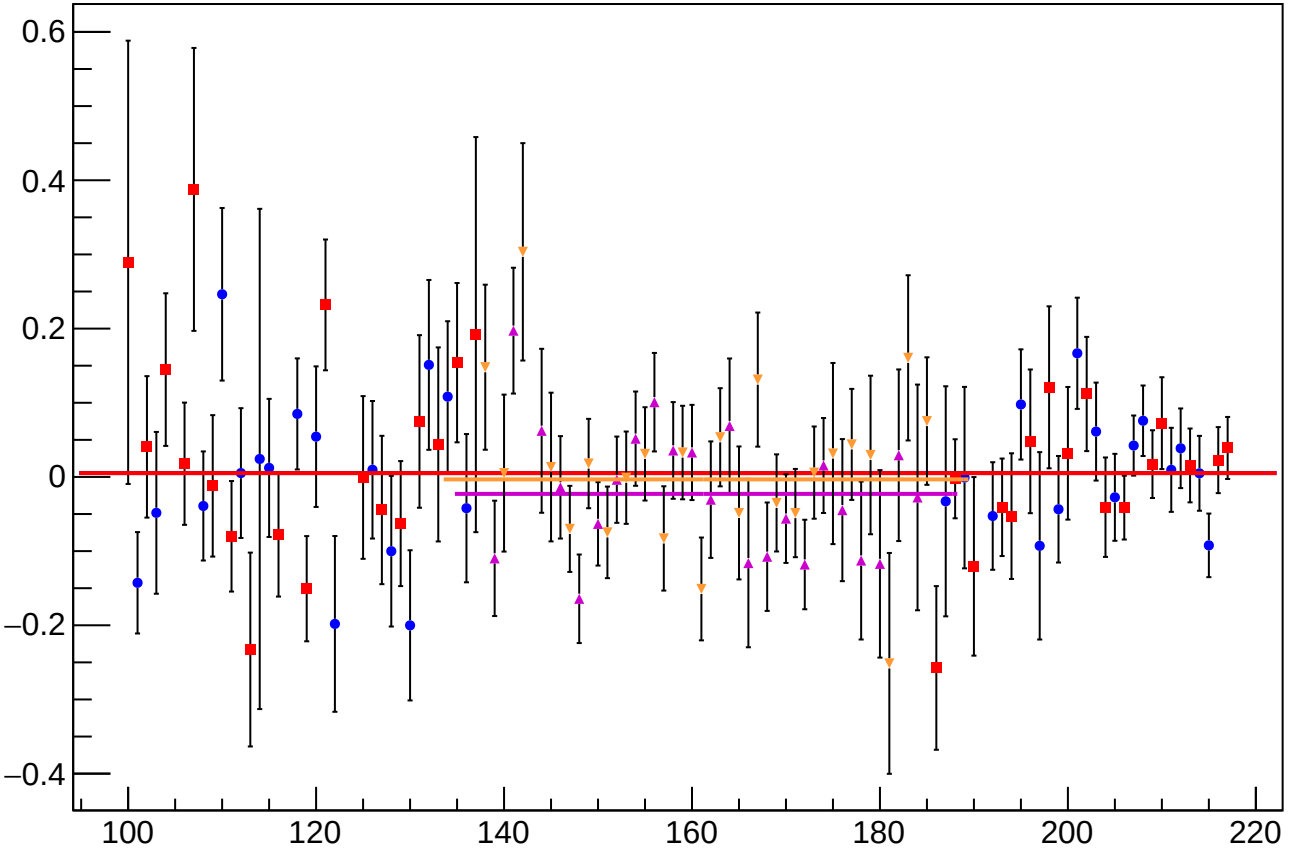
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 53.212+/-0.006 χ^2/NDF: 5024374.5/64

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

Out: 57.065+/-0.007 χ^2/NDF:5085722.6/57

All: 57.163+/-0.005 χ^2/NDF: 9301651.3/111



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: 0.005+/-0.013 χ^2/NDF: 42.6/33

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

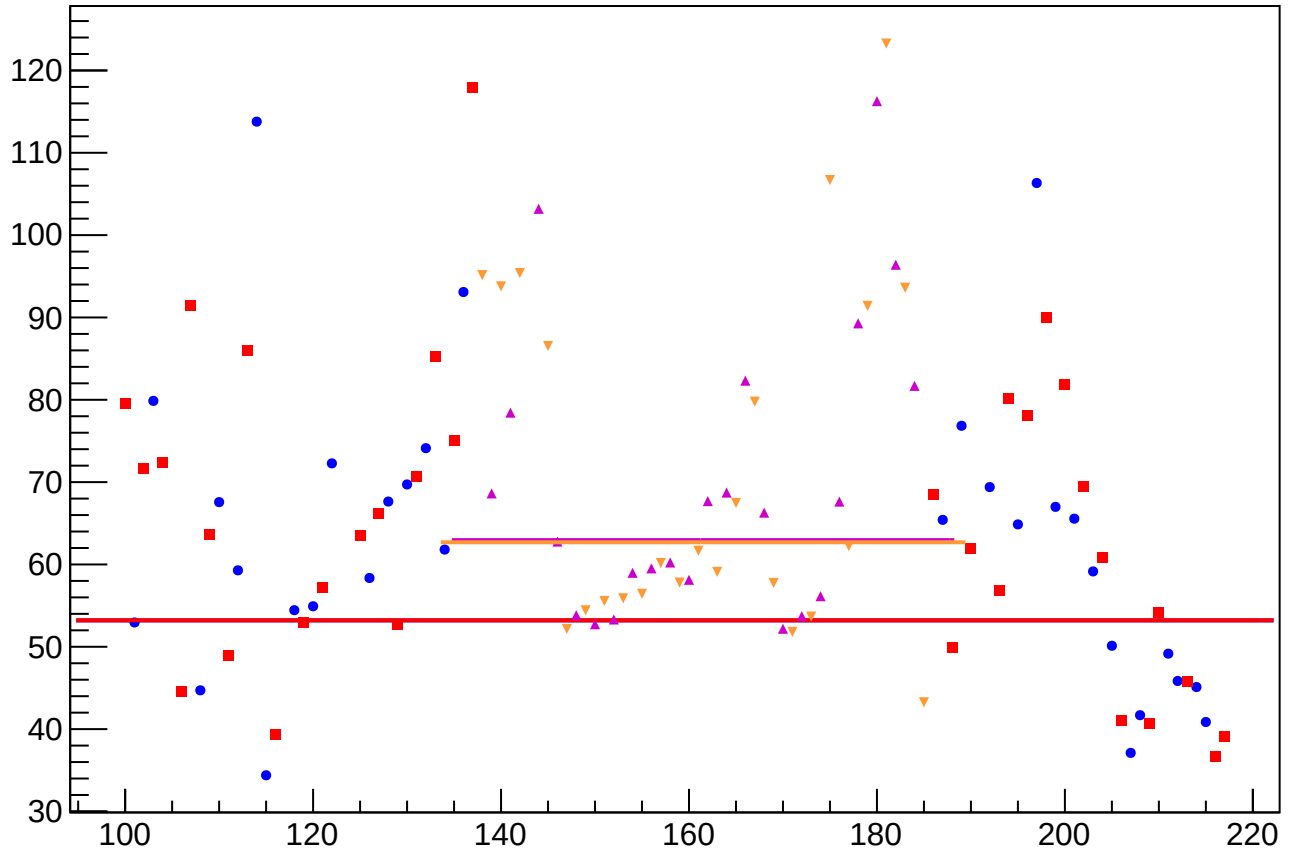
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.005+/-0.009 χ^2/NDF: 82.2/64

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: 0.002+/-0.010 χ^2/NDF:68.6/57

All: -0.002+/-0.007 χ^2/NDF: 139.5/111



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: 53.223+/-0.009 χ^2/NDF: 2701928.4/33

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

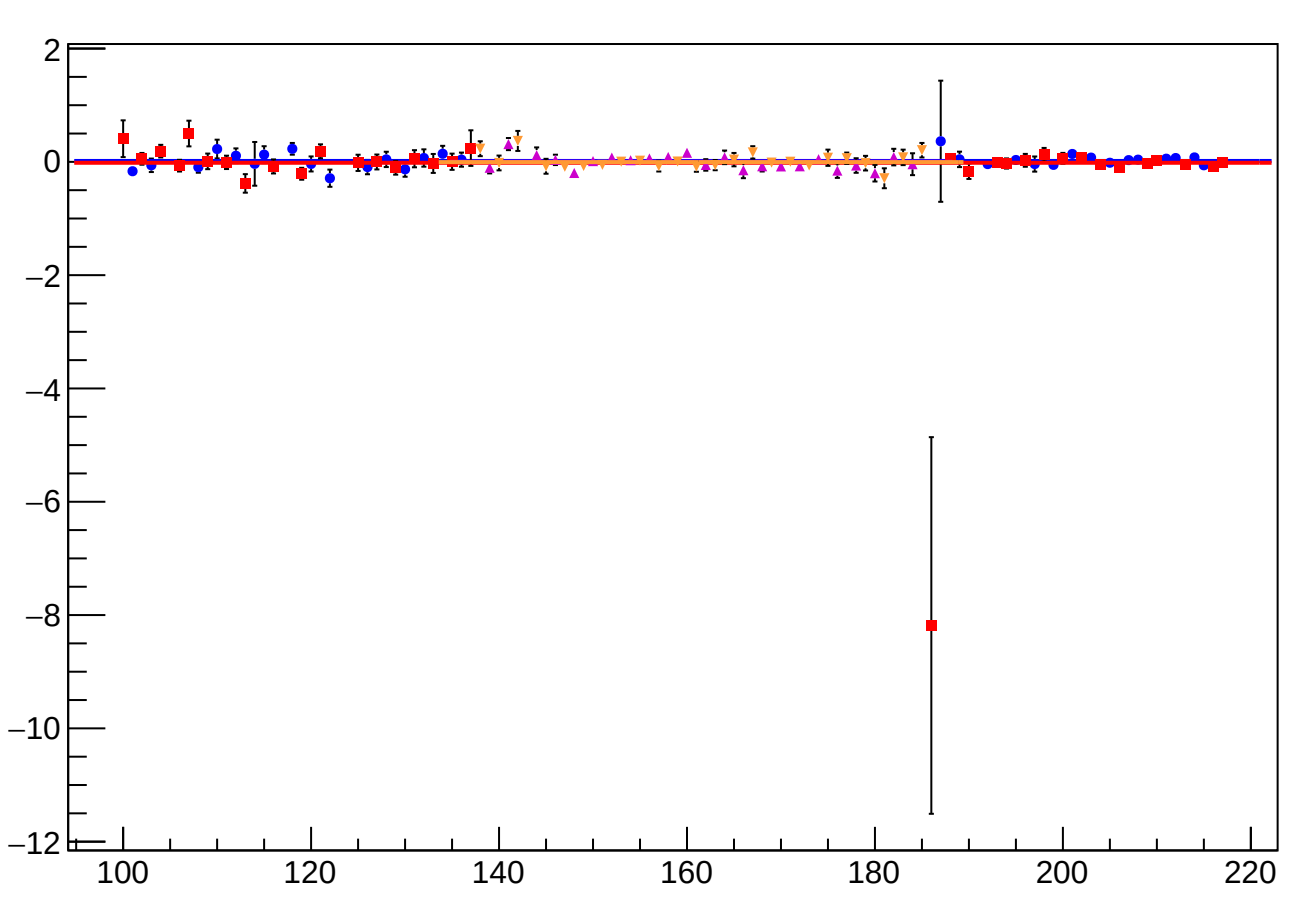
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 53.212+/-0.006 χ^2/NDF: 5024374.5/64

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

Out: 57.065+/-0.007 χ^2/NDF:5085722.6/57

All: 57.163+/-0.005 χ^2/NDF: 9301651.3/111



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: -0.016+/-0.016 χ^2/NDF: 39.9/33

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

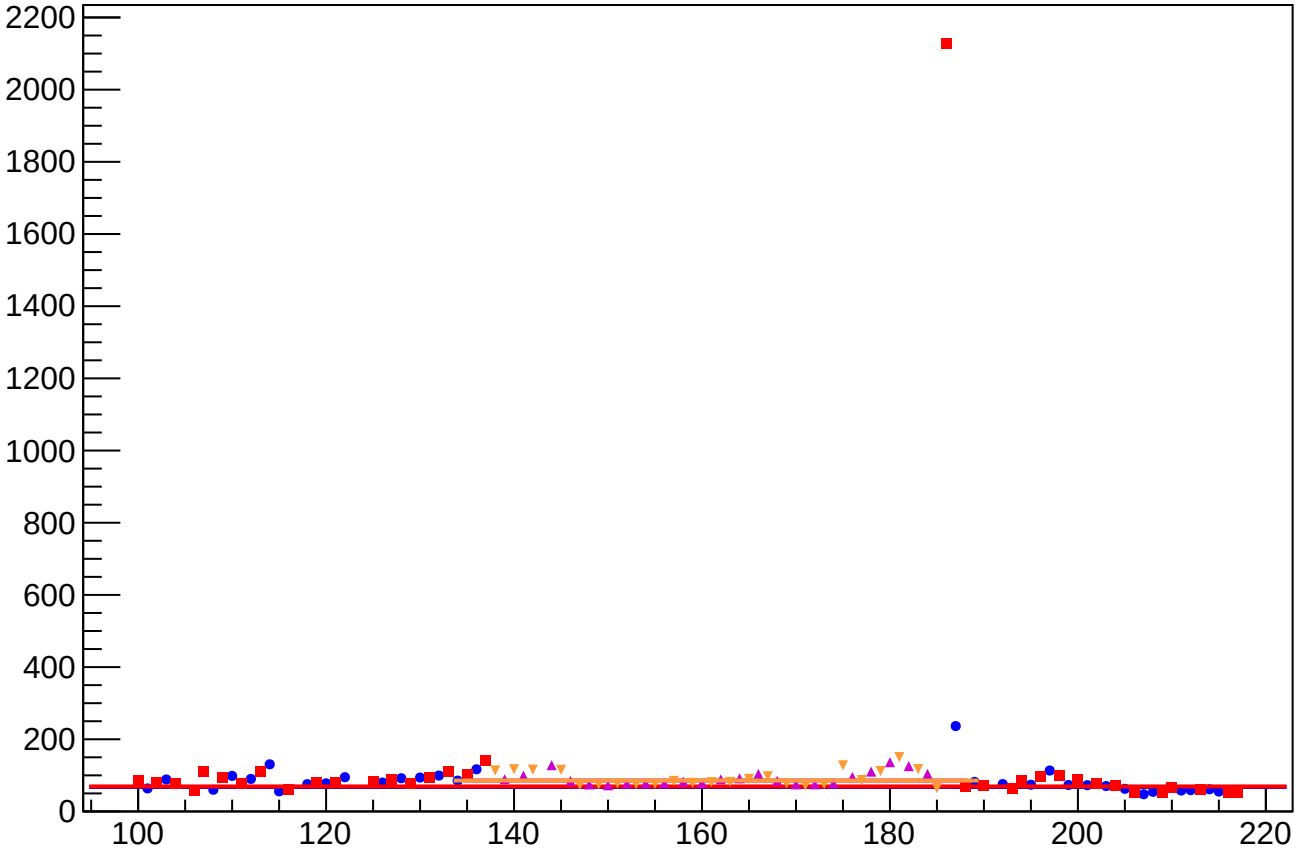
Right: -0.000+/-0.012 χ^2/NDF: 71.1/64

In: 0.010+/-0.013 χ^2/NDF:60.2/53

Out: -0.012+/-0.013 χ^2/NDF:61.4/57

All: -0.001+/-0.009 χ^2/NDF: 123.1/111

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: 69.266+/-0.012 χ^2/NDF: 2678788.2/33

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

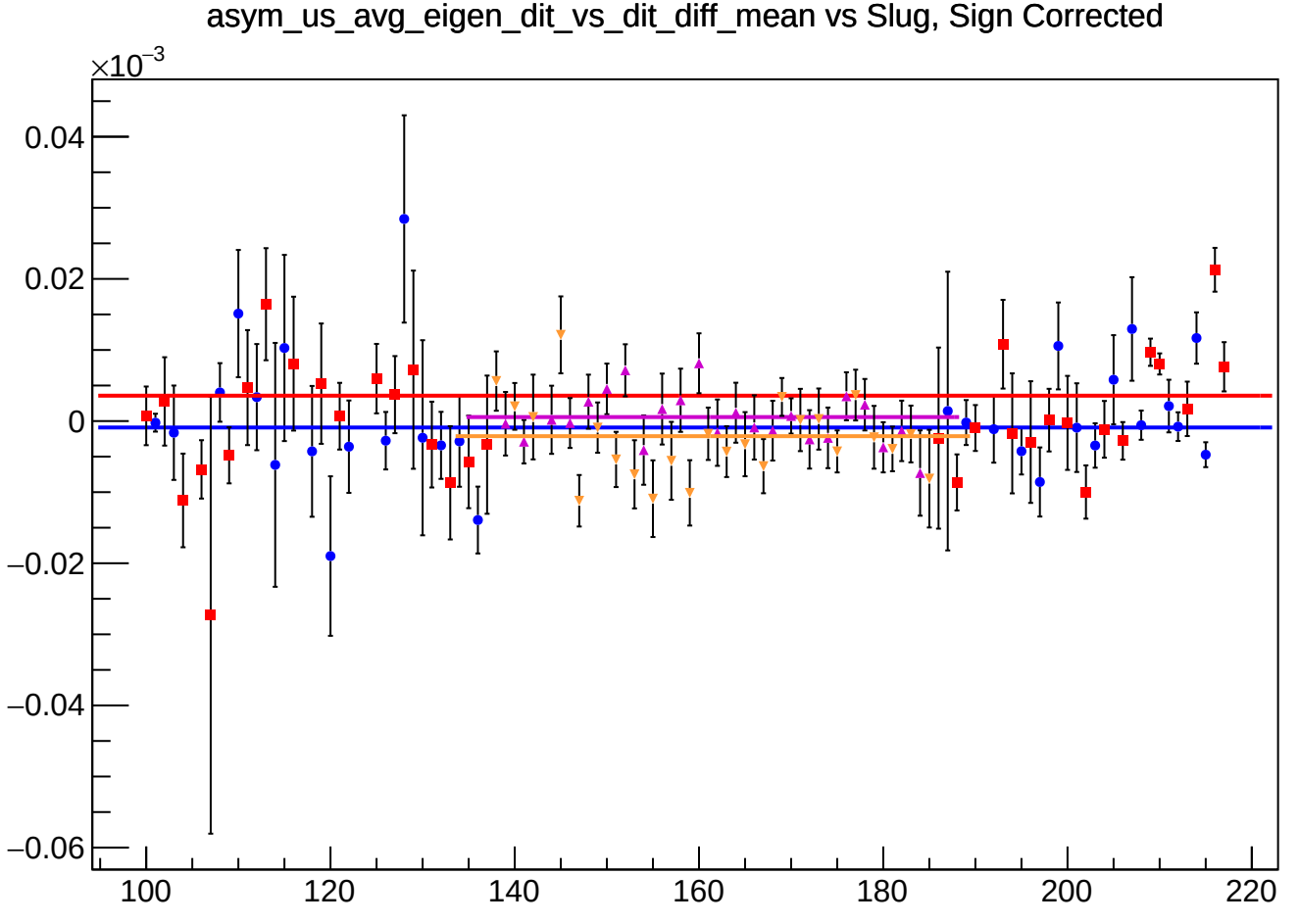
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 68.552+/-0.008 χ^2/NDF: 4584817.5/64

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

Out: 75.589+/-0.009 χ^2/NDF:4802302.3/57

All: 75.164+/-0.006 χ^2/NDF: 8614172.9/111



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: 116.4/33

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

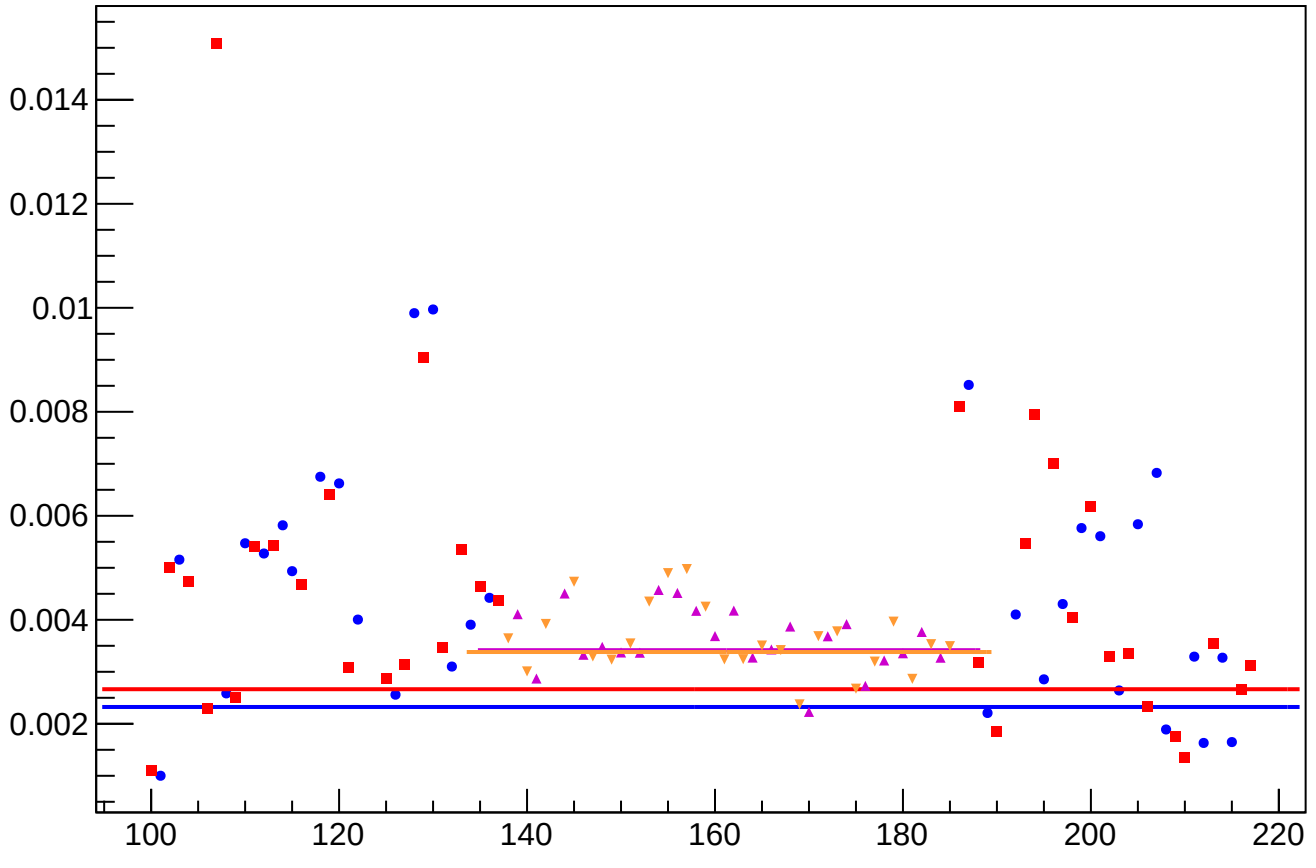
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: 0.000+/-0.000 χ^2/NDF: 190.1/64

In: -0.000+/-0.000 χ^2/NDF:70.1/53

Out: 0.000+/-0.000 χ^2/NDF:182.4/57

All: 0.000+/-0.000 χ^2/NDF: 256.5/111



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: 8328748.3/33

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

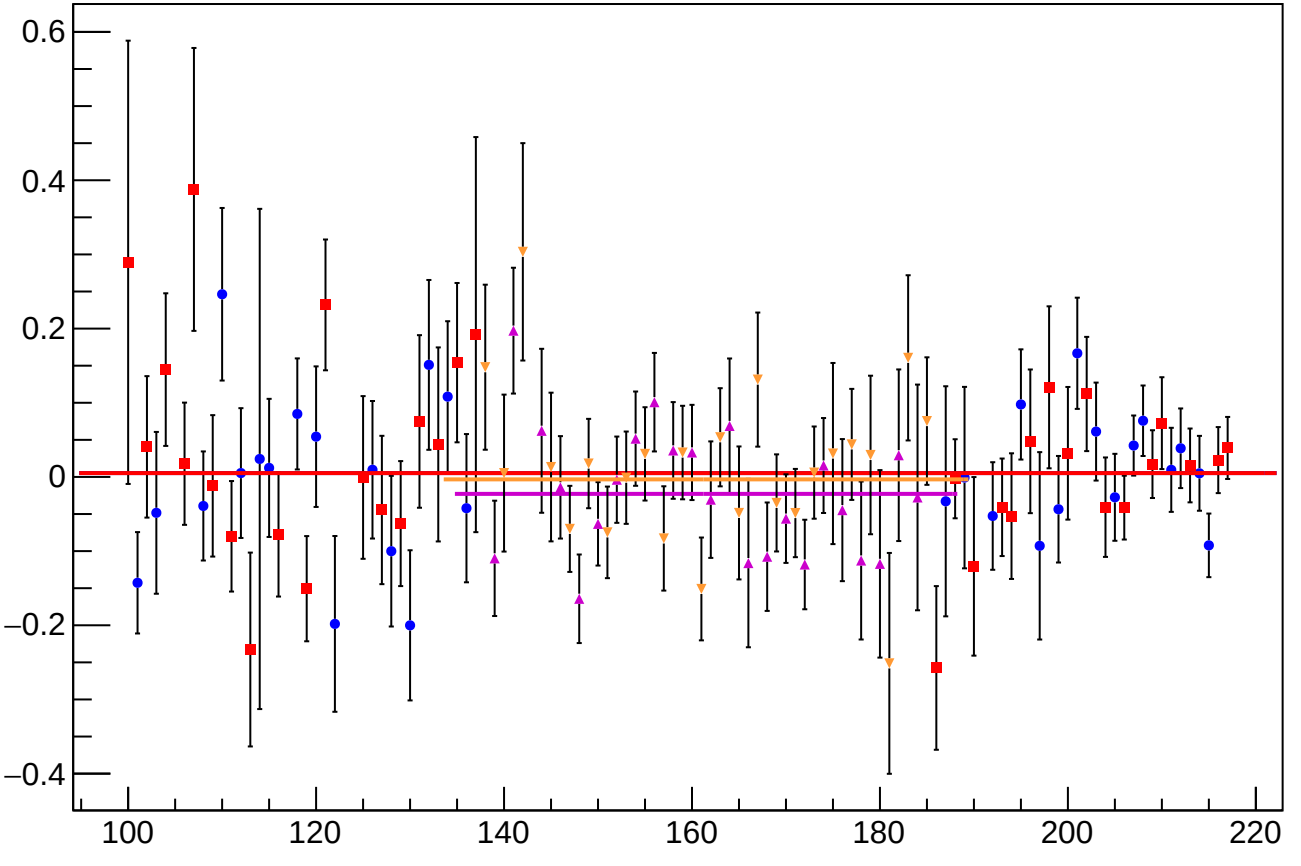
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.002+/-0.000 χ^2/NDF: 18899172.4/64

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

Out: 0.003+/-0.000 χ^2/NDF:10424171.5/57

All: 0.003+/-0.000 χ^2/NDF: 24321495.0/111



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: 0.005+/-0.013 χ^2/NDF: 42.6/33

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

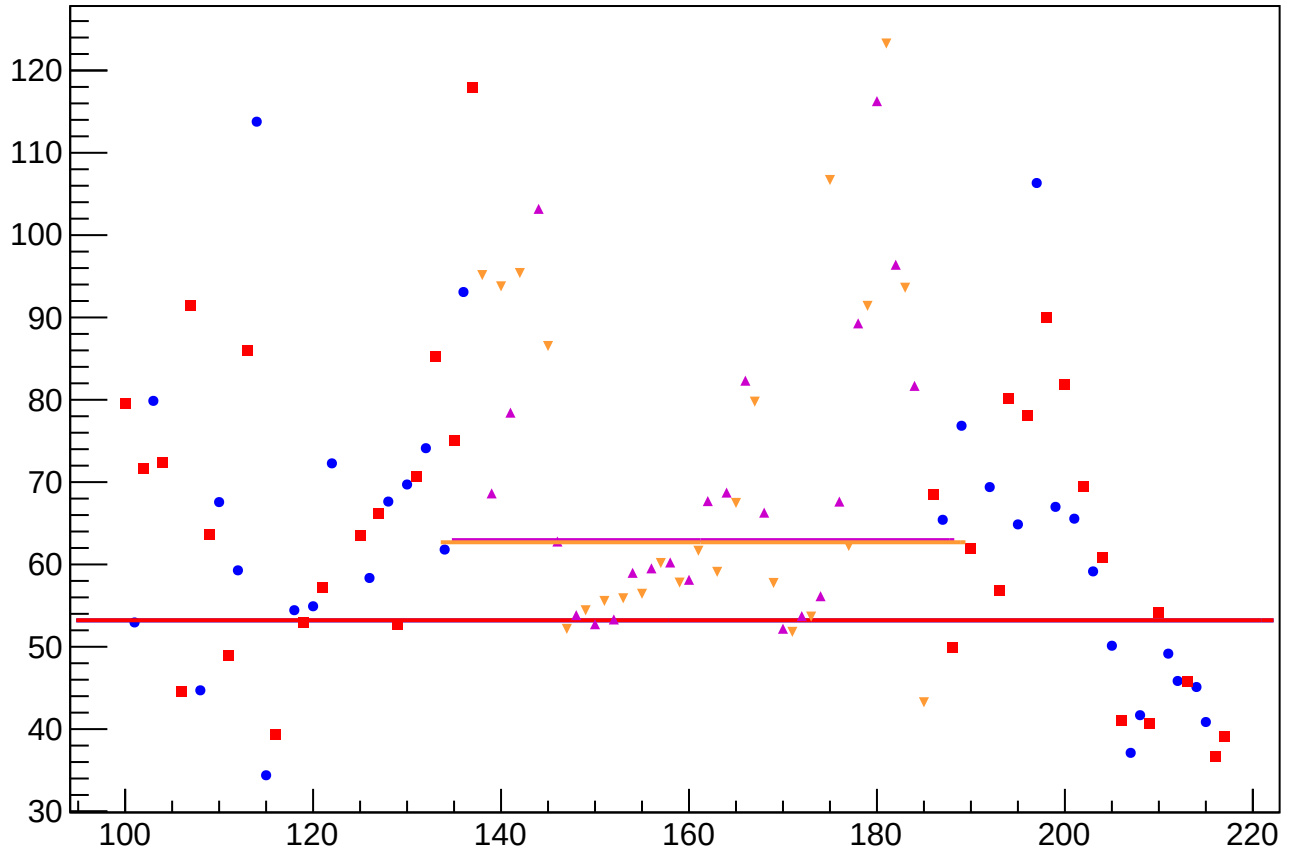
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.005+/-0.009 χ^2/NDF: 82.2/64

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: 0.002+/-0.010 χ^2/NDF:68.7/57

All: -0.002+/-0.007 χ^2/NDF: 139.5/111



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: 53.223+/-0.009 χ^2/NDF: 2701735.0/33

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

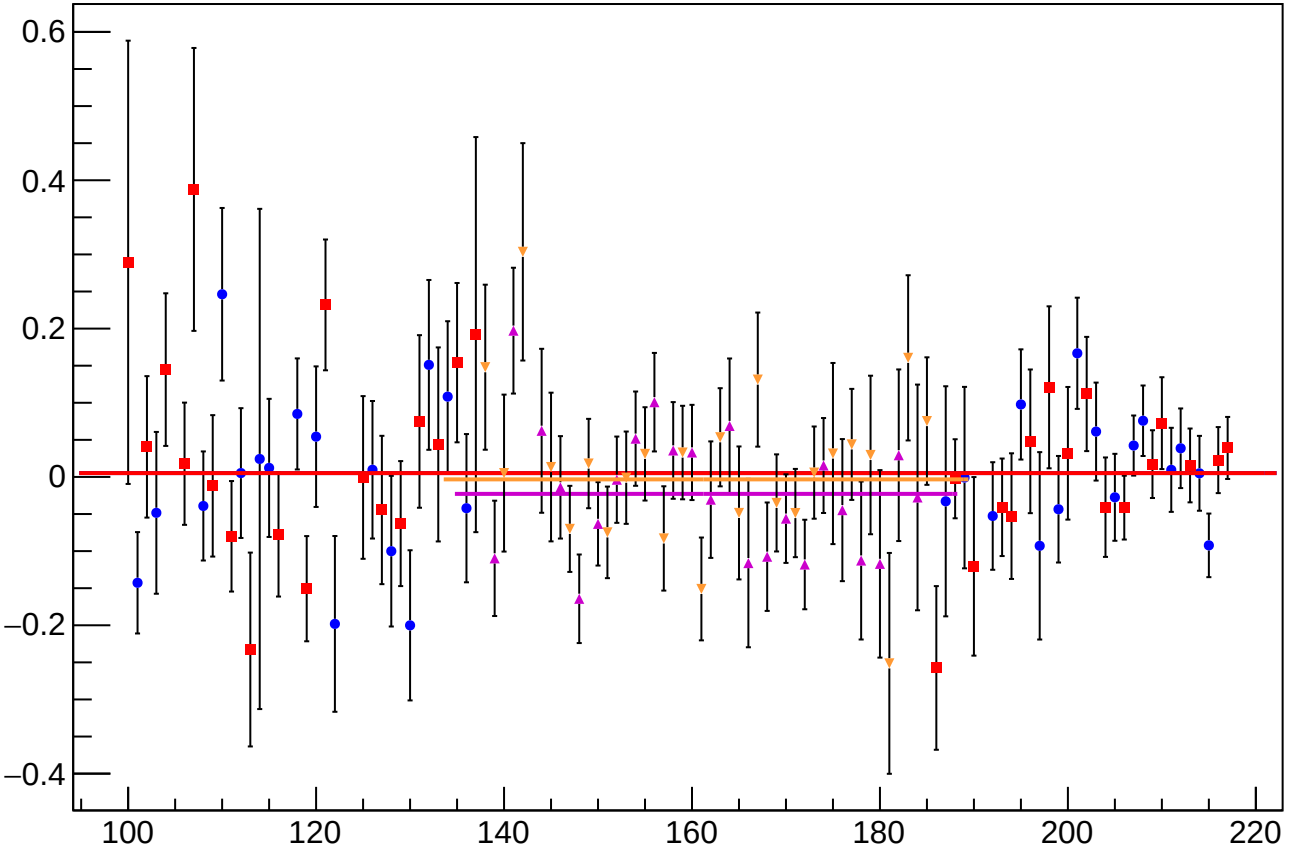
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 53.212+/-0.006 χ^2/NDF: 5024031.4/64

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

Out: 57.065+/-0.007 χ^2/NDF:5085567.9/57

All: 57.163+/-0.005 χ^2/NDF: 9301325.7/111



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: 0.005+/-0.013 χ^2/NDF: 42.6/33

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

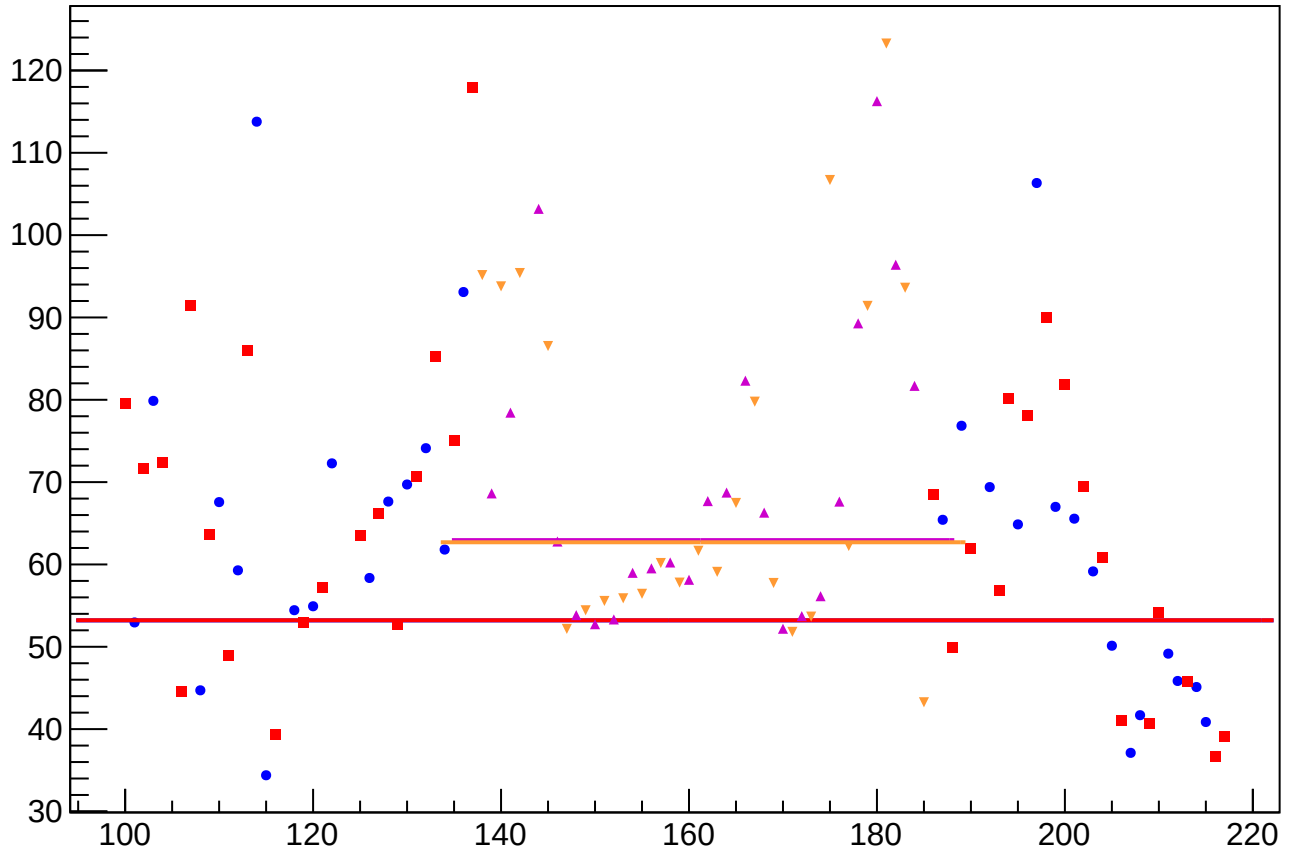
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.005+/-0.009 χ^2/NDF: 82.2/64

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: 0.002+/-0.010 χ^2/NDF:68.7/57

All: -0.002+/-0.007 χ^2/NDF: 139.5/111



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: 53.223+/-0.009 χ^2/NDF: 2701735.0/33

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

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

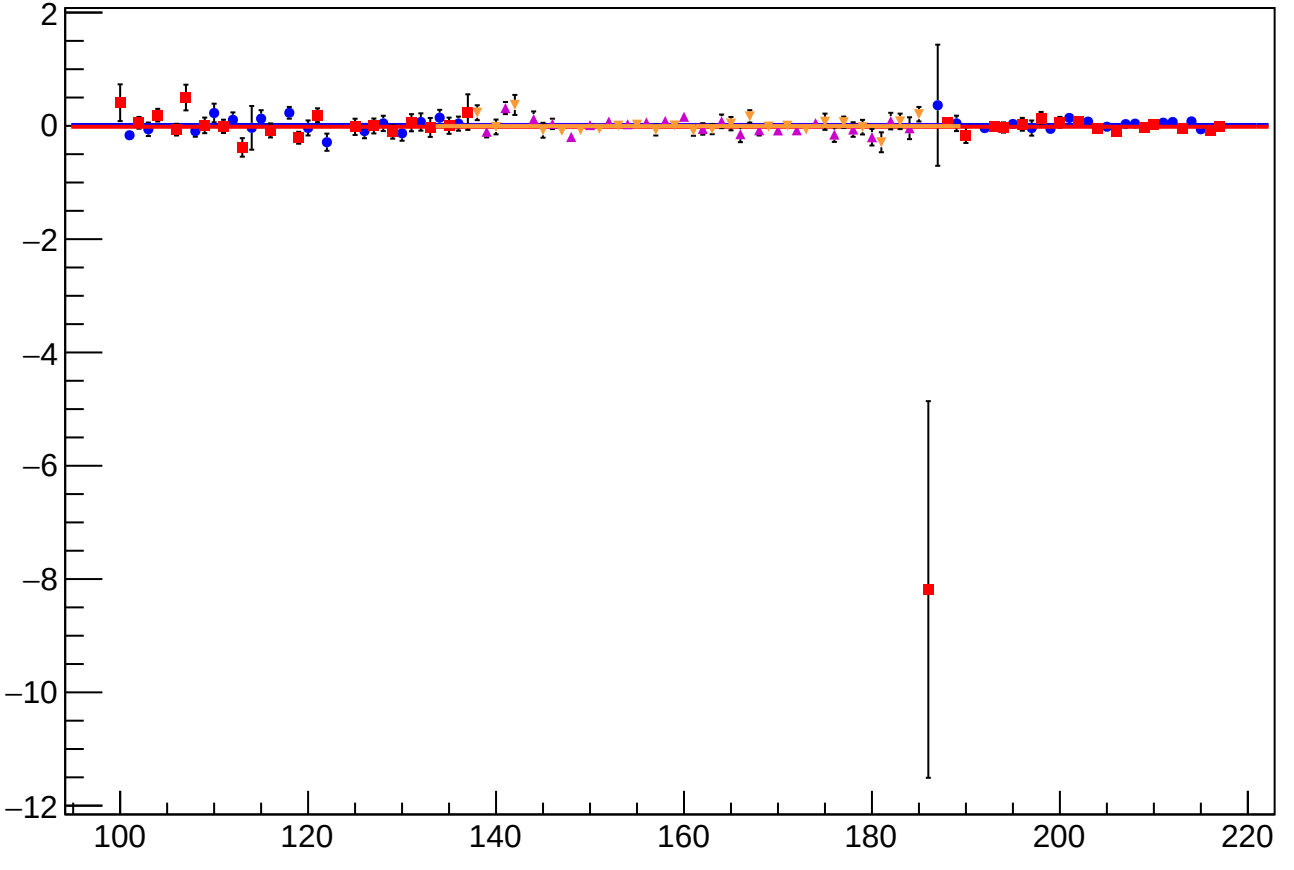
Right: 53.212+/-0.006 χ^2/NDF: 5024031.4/64

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

Out: 57.065+/-0.007 χ^2/NDF:5085567.9/57

All: 57.163+/-0.005 χ^2/NDF: 9301325.7/111

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: -0.016+/-0.016 χ^2/NDF: 39.9/33

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

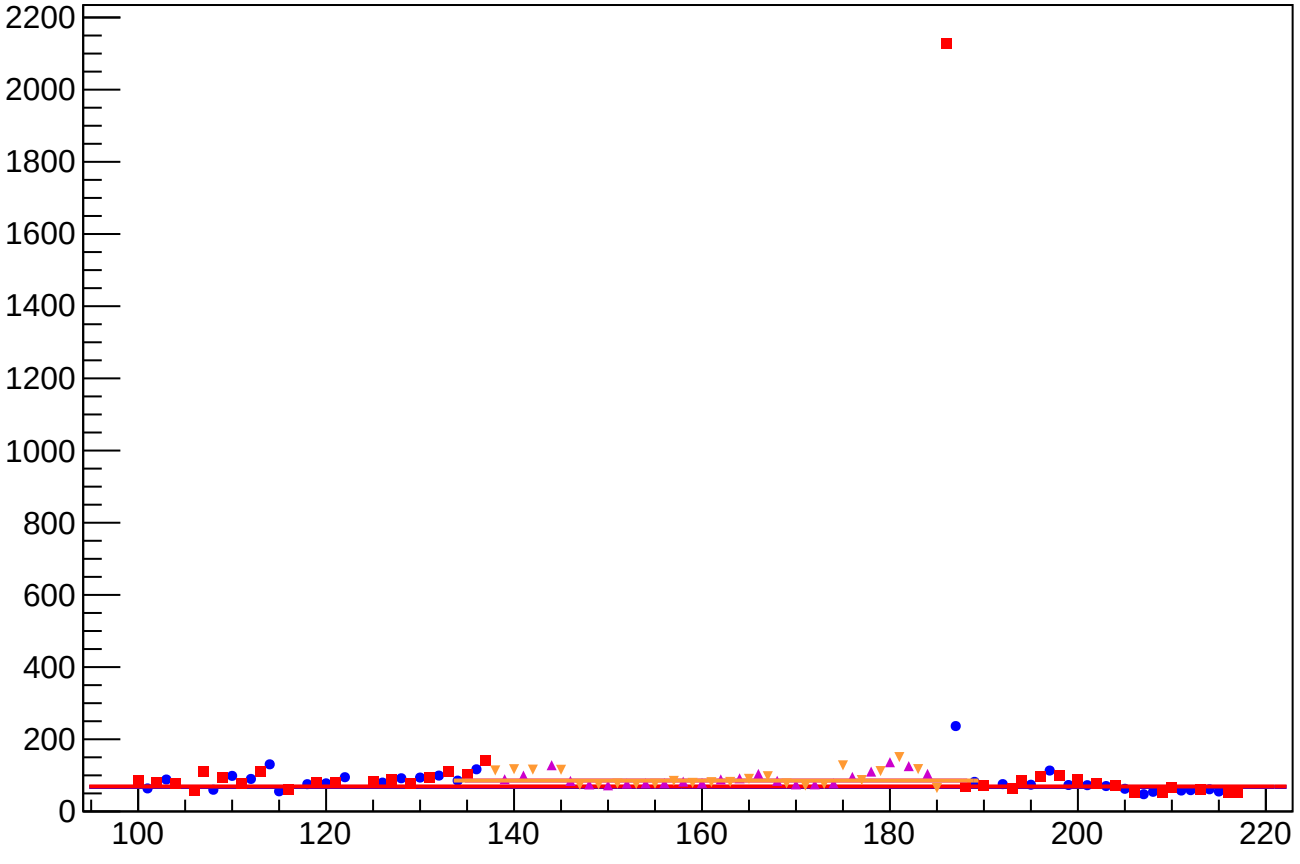
Right: -0.000+/-0.012 χ^2/NDF: 71.1/64

In: 0.010+/-0.013 χ^2/NDF:60.2/53

Out: -0.012+/-0.013 χ^2/NDF:61.4/57

All: -0.001+/-0.009 χ^2/NDF: 123.1/111

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: 69.266+/-0.012 χ^2/NDF: 2678681.1/33

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

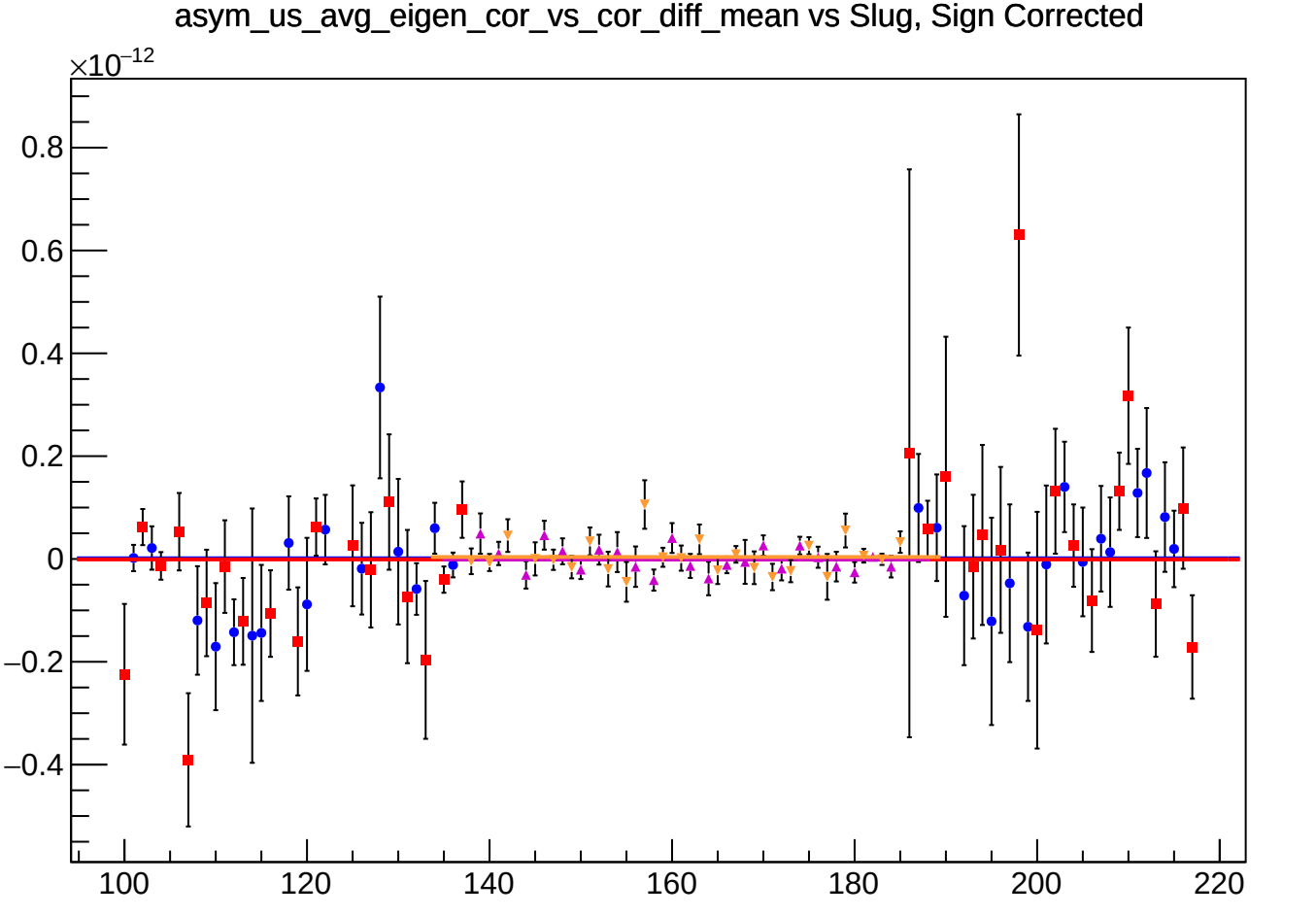
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 68.552+/-0.008 χ^2/NDF: 4584575.7/64

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

Out: 75.589+/-0.009 χ^2/NDF:4802224.3/57

All: 75.164+/-0.006 χ^2/NDF: 8613943.5/111



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: 56.2/33

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

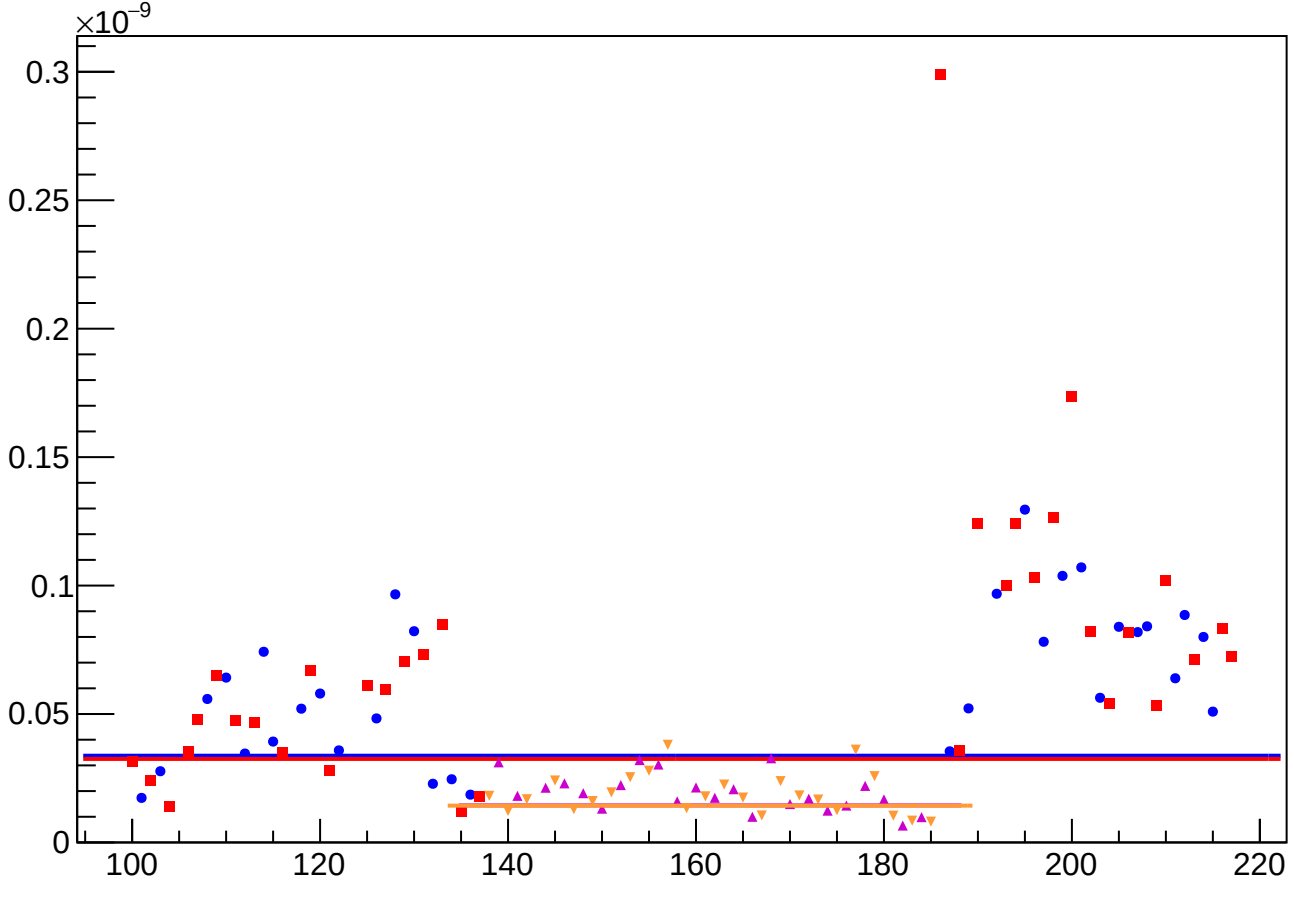
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: 0.000+/-0.000 χ^2/NDF: 84.2/64

In: -0.000+/-0.000 χ^2/NDF:51.7/53

Out: 0.000+/-0.000 χ^2/NDF:81.3/57

All: 0.000+/-0.000 χ^2/NDF: 133.4/111



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: 9692642.6/33

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

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

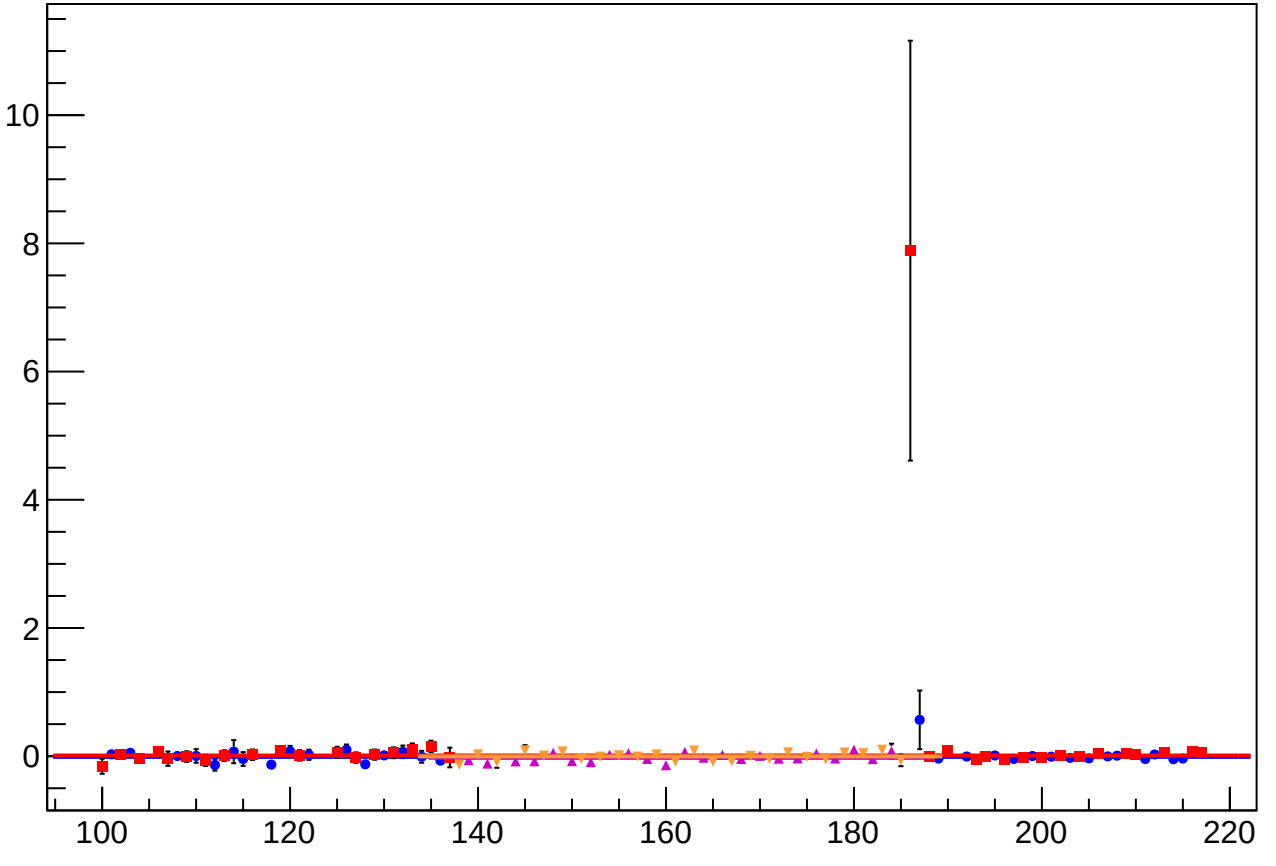
Right: 0.000+/-0.000 χ^2/NDF: 17102411.7/64

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

Out: 0.000+/-0.000 χ^2/NDF:17334626.6/57

All: 0.000+/-0.000 χ^2/NDF: 33578915.4/111

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: 0.011+/-0.007 χ^2/NDF: 40.7/33

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

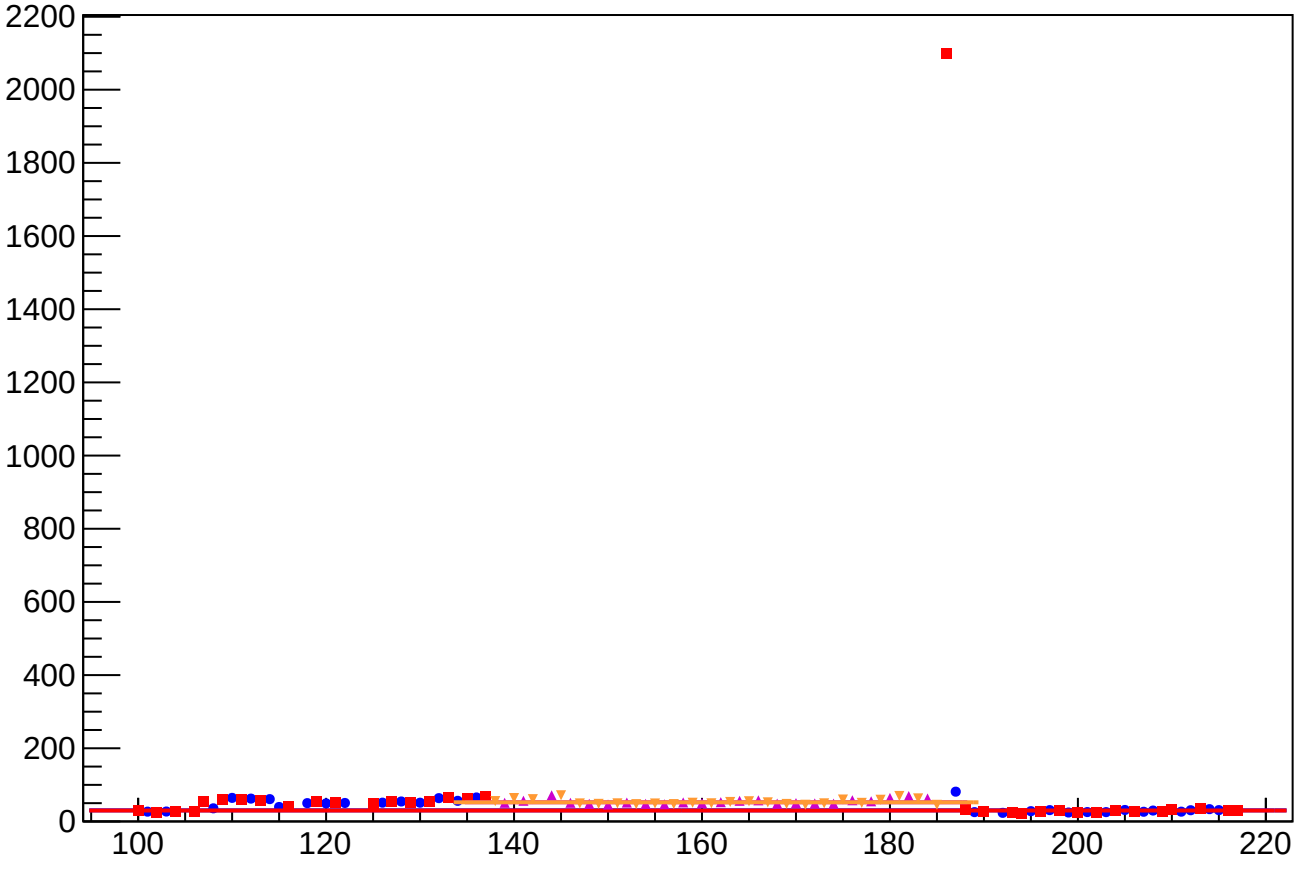
Right: 0.001+/-0.005 χ^2/NDF: 70.1/64

In: -0.014+/-0.006 χ^2/NDF:50.6/53

Out: 0.007+/-0.006 χ^2/NDF:64.8/57

All: -0.003+/-0.004 χ^2/NDF: 121.2/111

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: 29.934+/-0.005 χ^2/NDF: 3879961.5/33

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

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

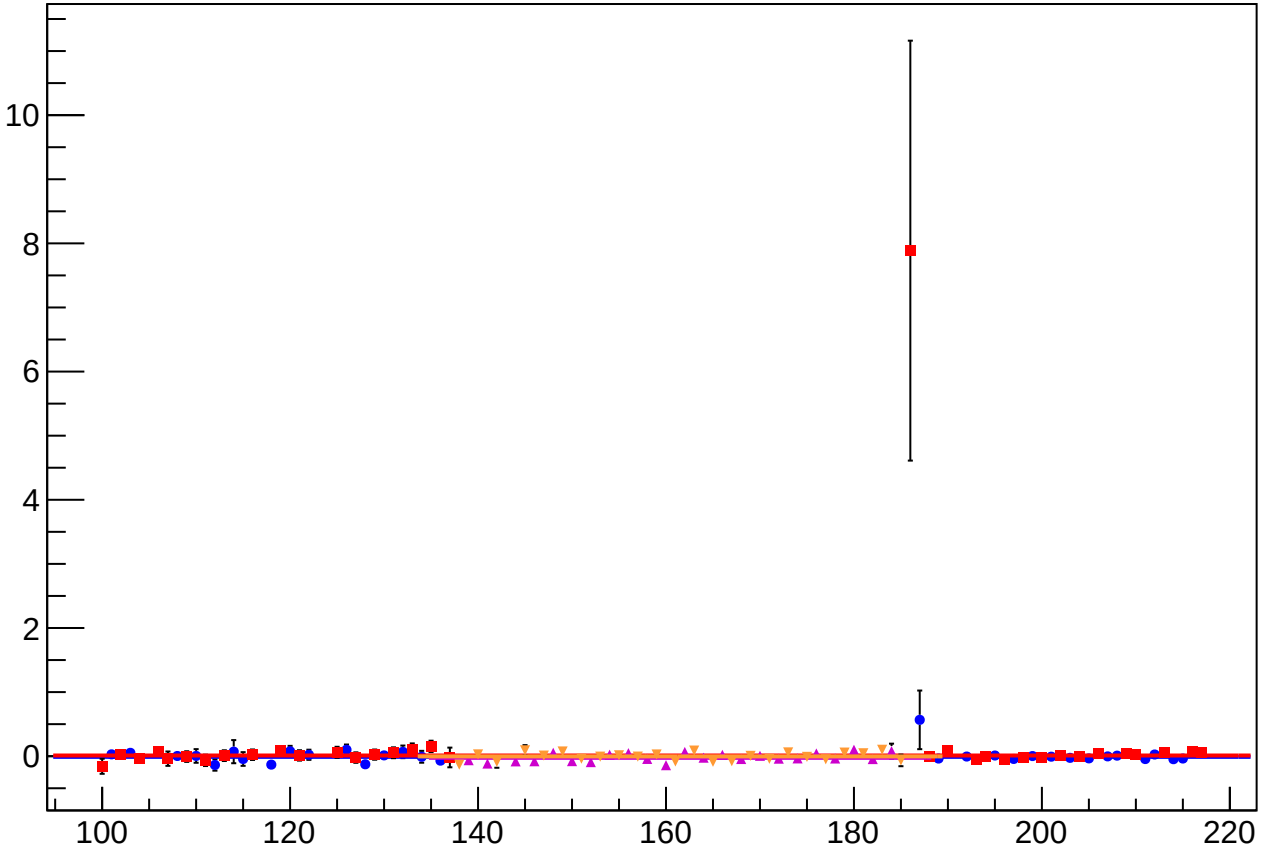
Right: 30.145+/-0.004 χ^2/NDF: 6765149.8/64

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

Out: 35.620+/-0.004 χ^2/NDF:9271350.6/57

All: 35.883+/-0.003 χ^2/NDF: 17218243.4/111

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: 0.011+/-0.007 χ^2/NDF: 40.7/33

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

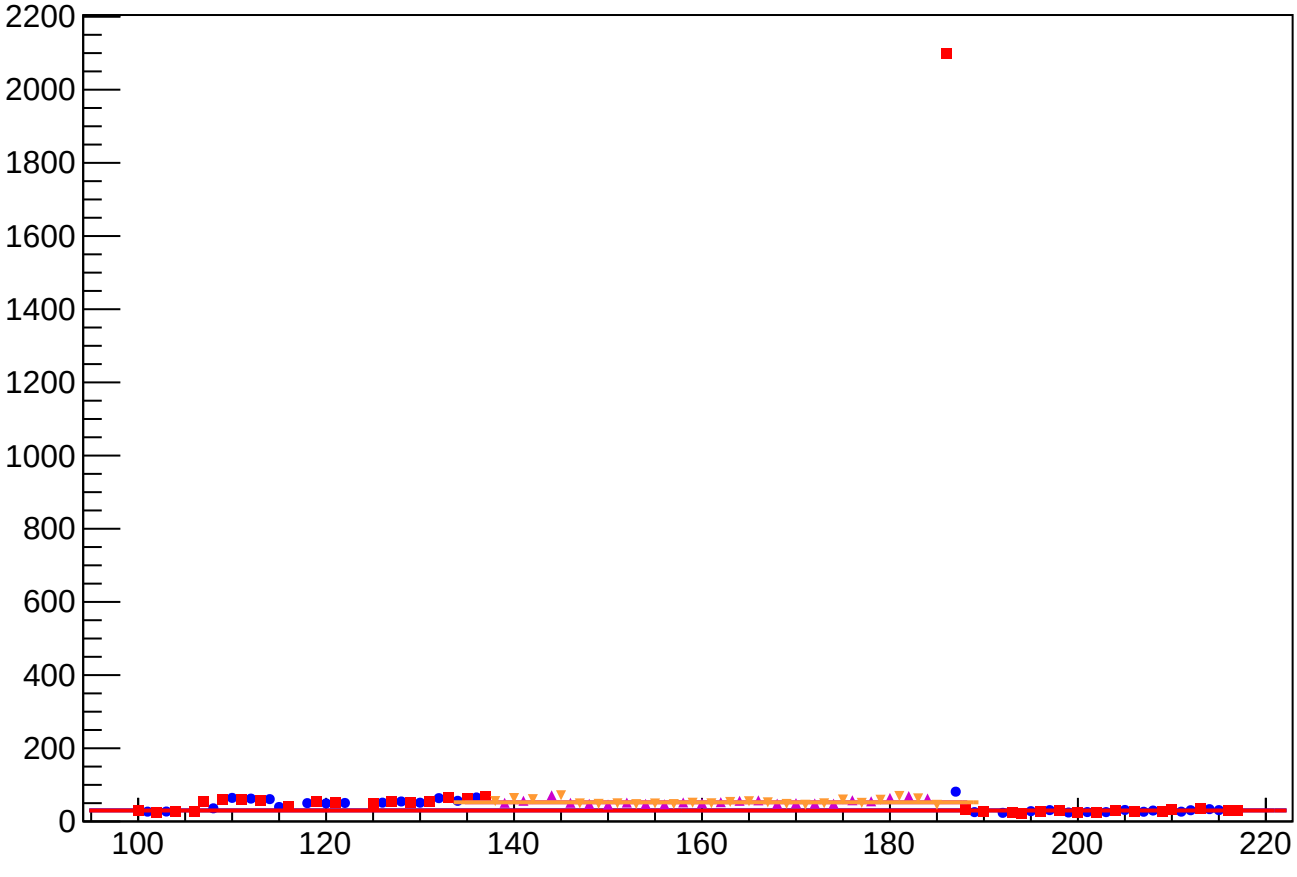
Right: 0.001+/-0.005 χ^2/NDF: 70.1/64

In: -0.014+/-0.006 χ^2/NDF:50.6/53

Out: 0.007+/-0.006 χ^2/NDF:64.8/57

All: -0.003+/-0.004 χ^2/NDF: 121.2/111

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: 29.934+/-0.005 χ^2/NDF: 3879961.5/33

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

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

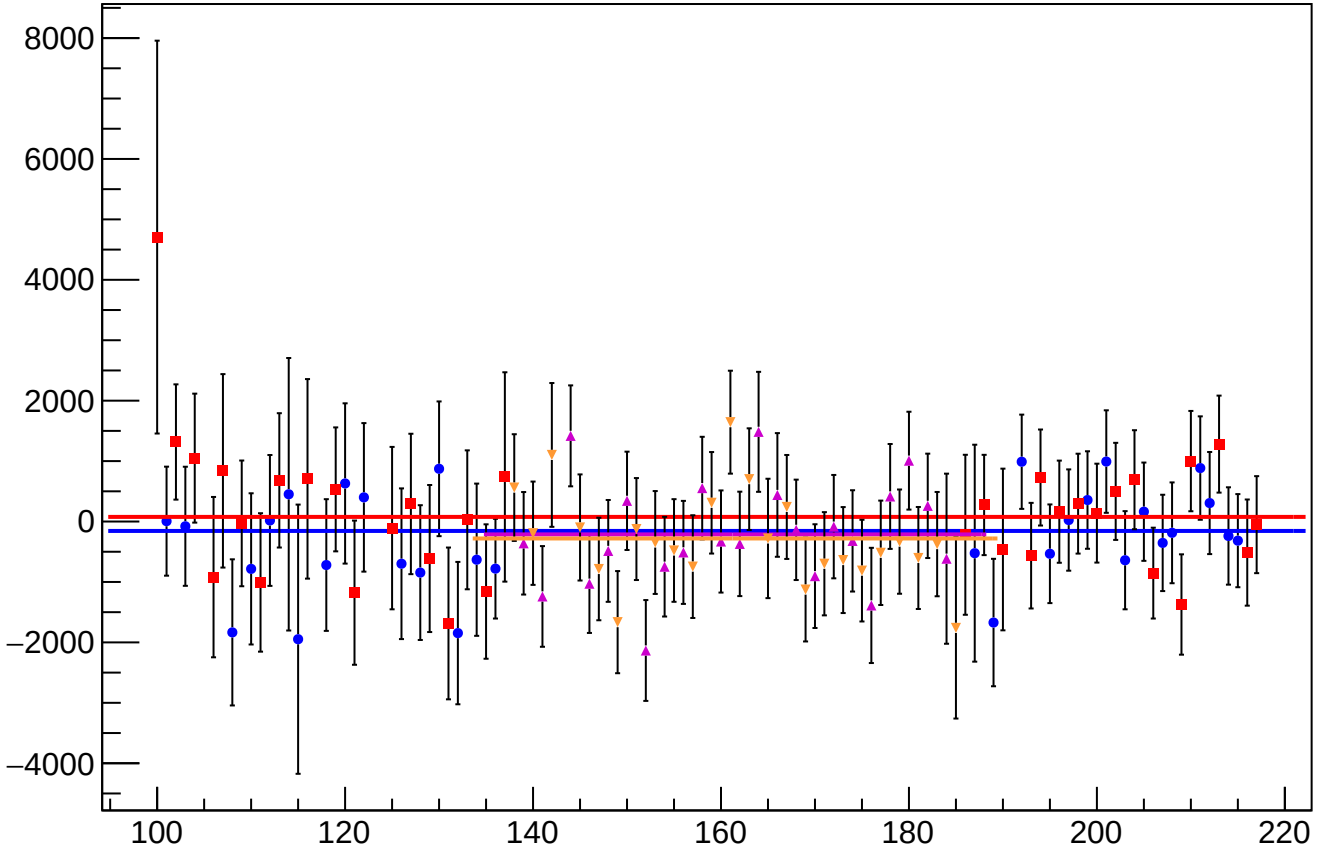
Right: 30.145+/-0.004 χ^2/NDF: 6765149.8/64

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

Out: 35.620+/-0.004 χ^2/NDF:9271350.6/57

All: 35.883+/-0.003 χ^2/NDF: 17218243.4/111

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: 76.676+/-171.511 χ^2/NDF: 22.7/33

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

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

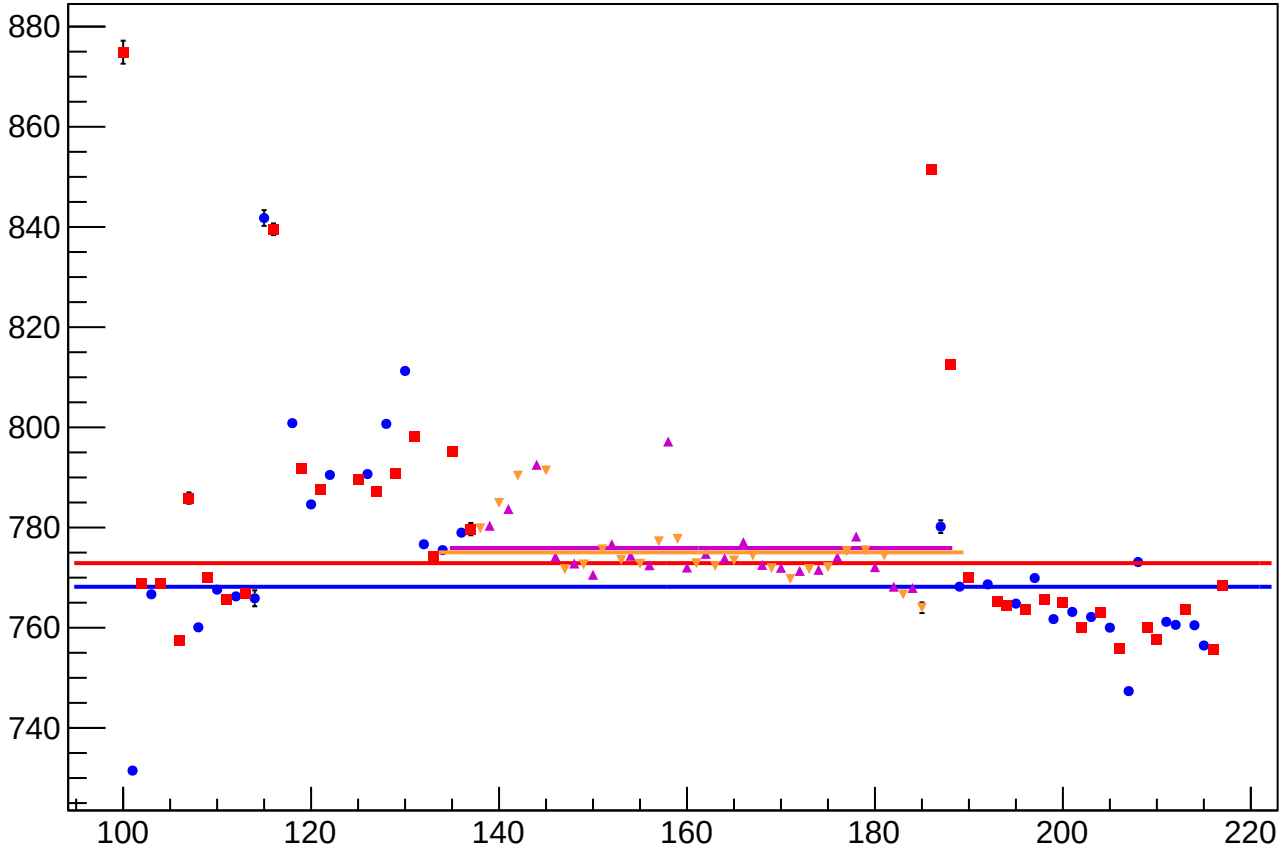
Right: -37.294+/-122.437 χ^2/NDF: 40.7/64

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

Out: -93.344+/-124.130 χ^2/NDF:40.8/57

All: -137.844+/-88.361 χ^2/NDF: 80.6/111

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: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

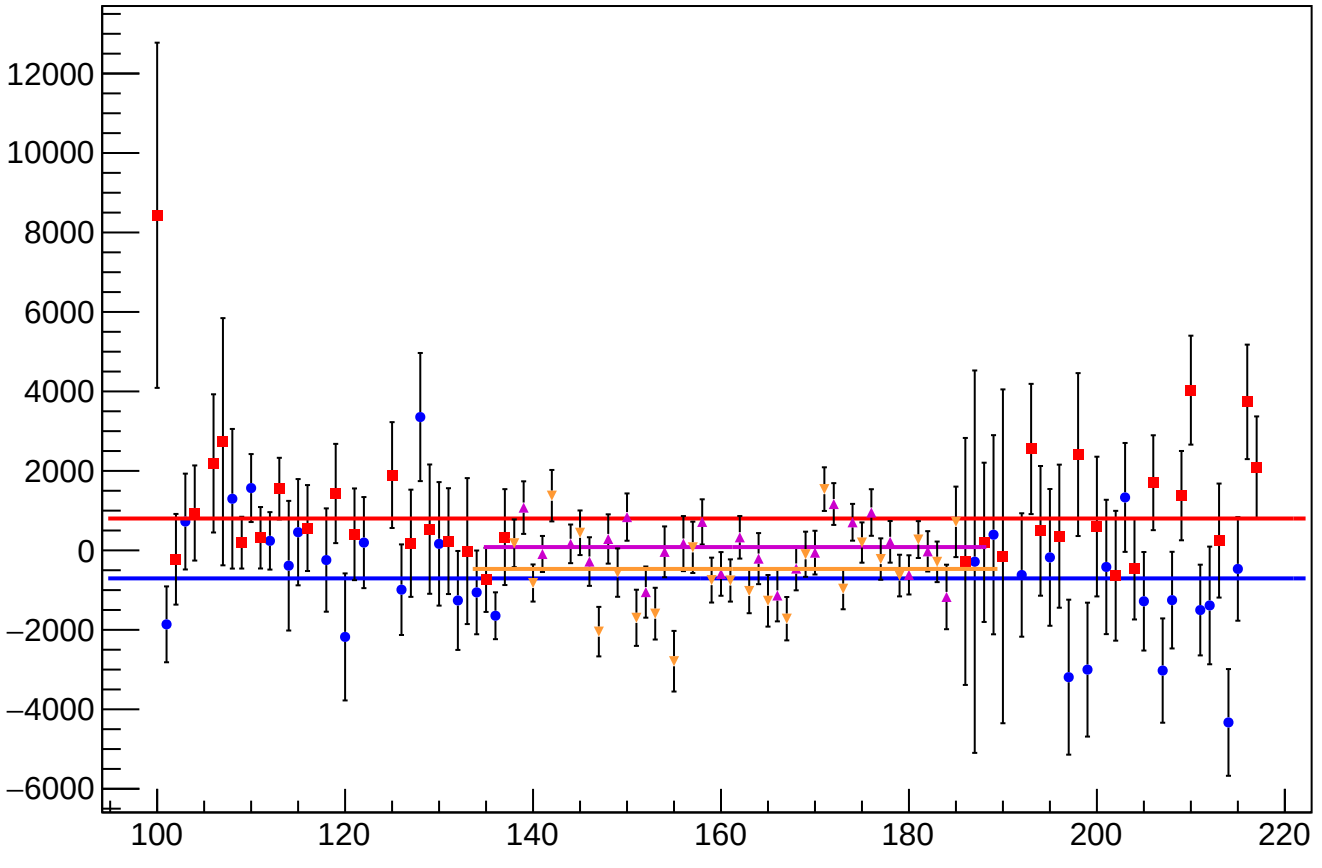
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.581+/-0.087 χ^2/NDF: 44193.7/64

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

Out: 773.922+/-0.088 χ^2/NDF:28316.6/57

All: 772.930+/-0.062 χ^2/NDF: 50677.3/111



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: 801.814+/-217.811 χ^2/NDF: 28.2/33

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

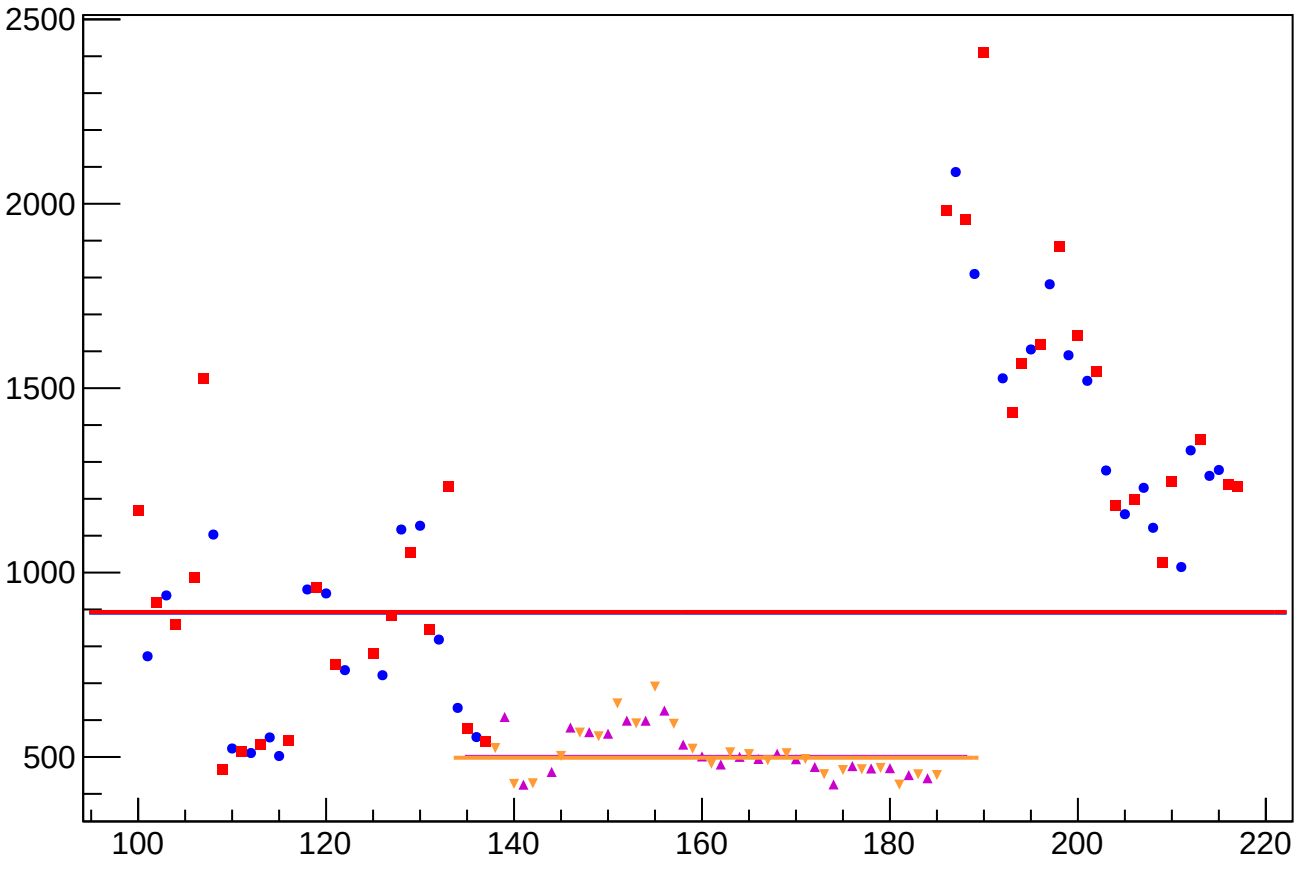
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 53.685+/-154.554 χ^2/NDF: 94.5/64

In: -93.304+/-103.786 χ^2/NDF:80.6/53

Out: -184.074+/-102.874 χ^2/NDF:119.0/57

All: -139.090+/-73.063 χ^2/NDF: 200.0/111



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: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

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

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

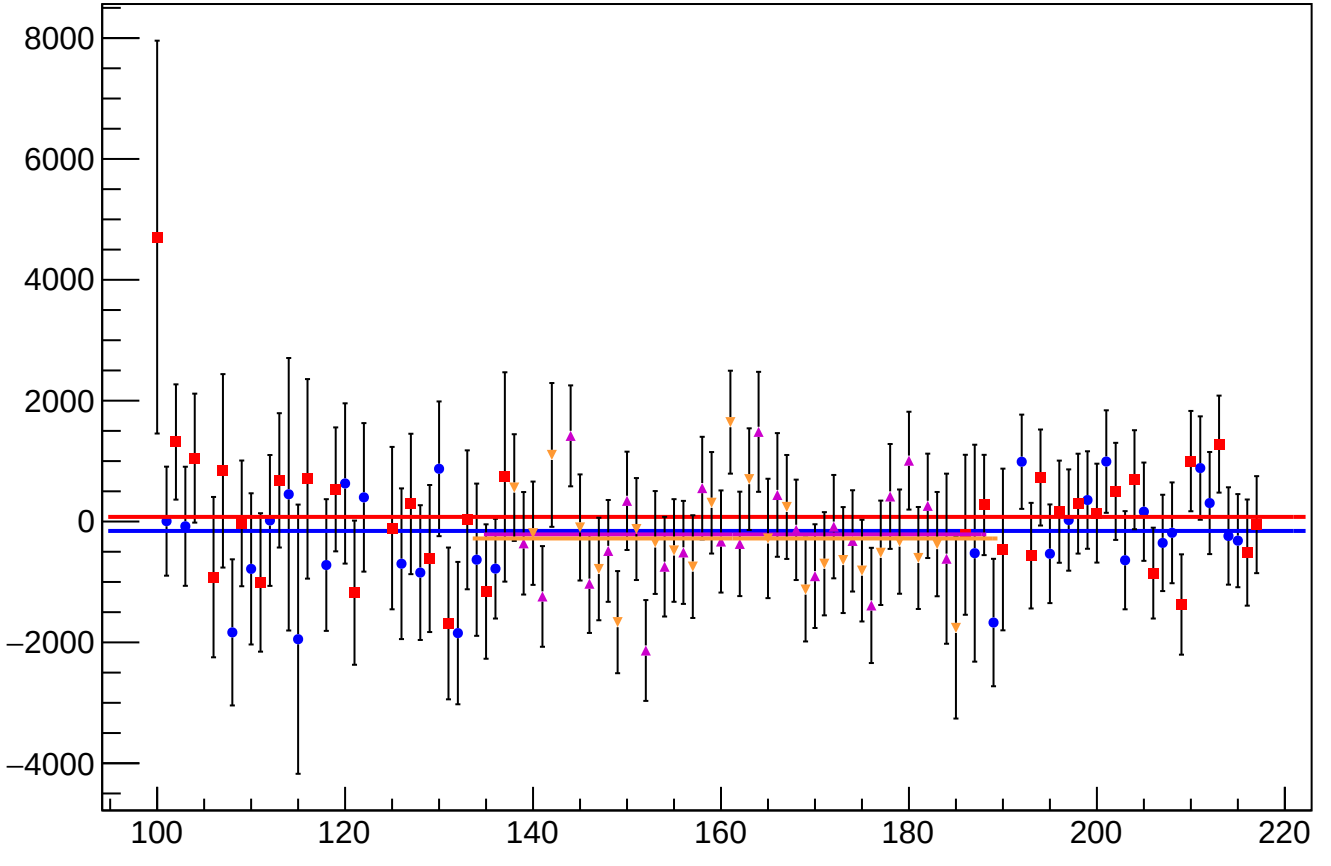
Right: 892.257+/-0.109 χ^2/NDF: 11941845.7/64

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

Out: 586.133+/-0.073 χ^2/NDF:12295812.9/57

All: 586.981+/-0.052 χ^2/NDF: 22995045.1/11

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: 76.676+/-171.511 χ^2/NDF: 22.7/33

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

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

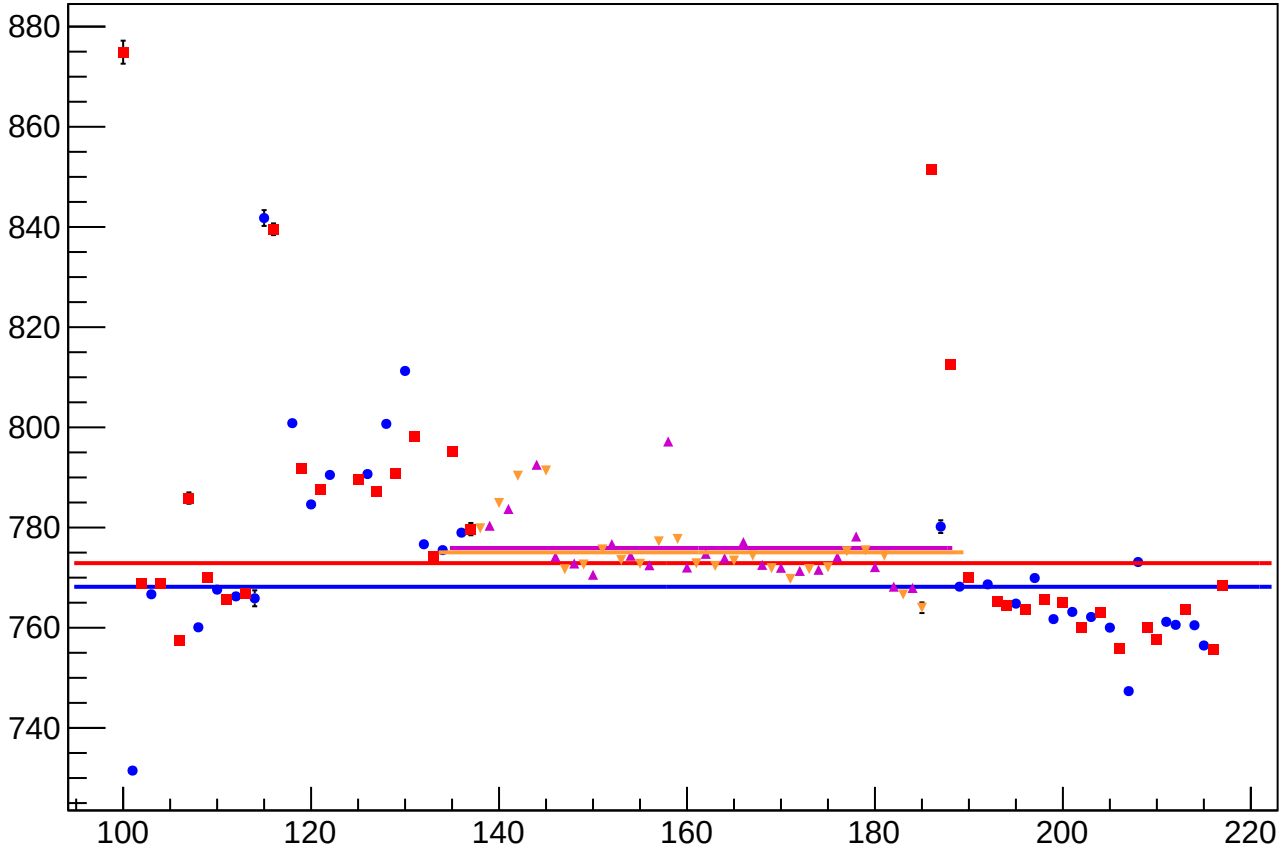
Right: -37.294+/-122.437 χ^2/NDF: 40.7/64

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

Out: -93.344+/-124.130 χ^2/NDF:40.8/57

All: -137.844+/-88.361 χ^2/NDF: 80.6/111

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: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

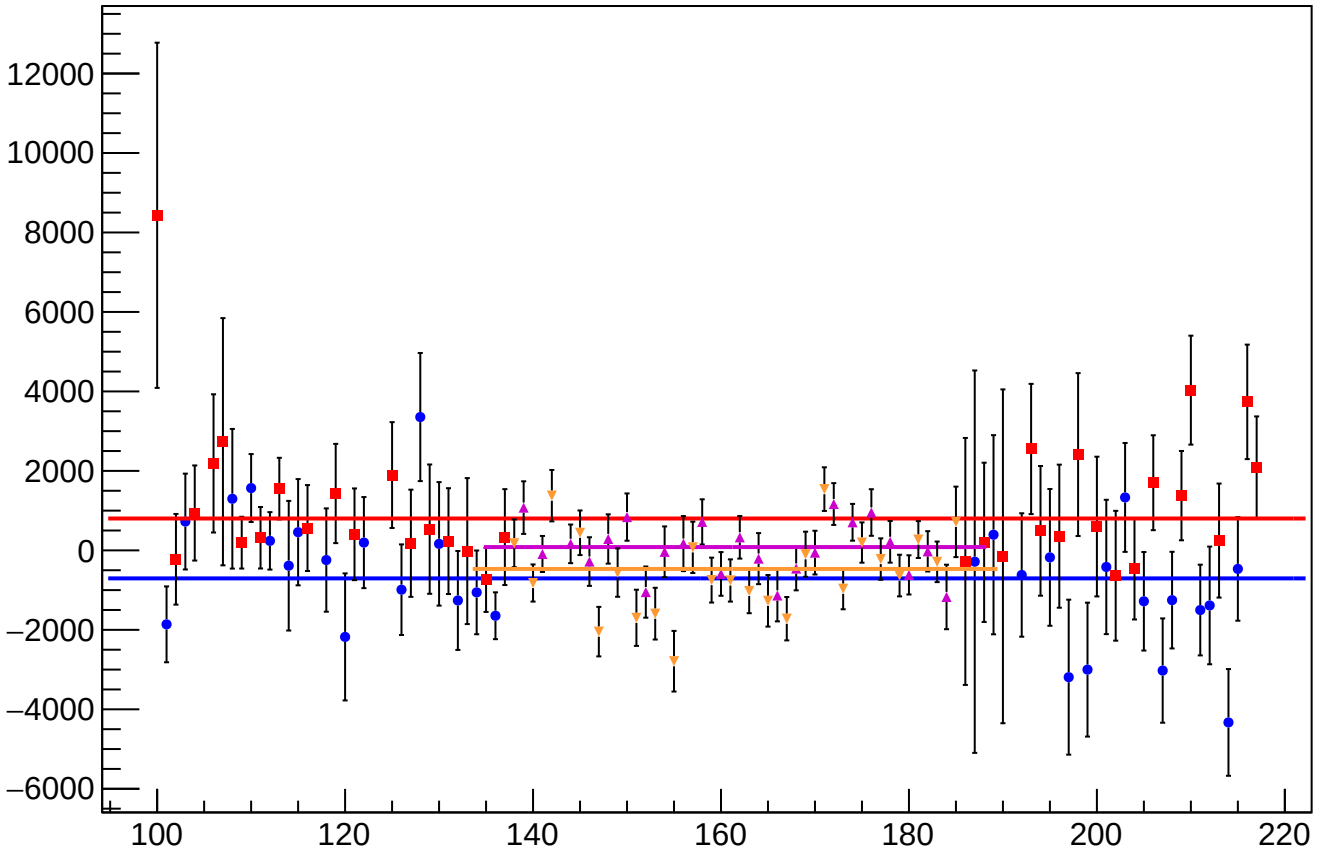
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.581+/-0.087 χ^2/NDF: 44193.7/64

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

Out: 773.922+/-0.088 χ^2/NDF:28316.6/57

All: 772.930+/-0.062 χ^2/NDF: 50677.3/111



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: 801.814+/-217.811 χ^2/NDF: 28.2/33

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

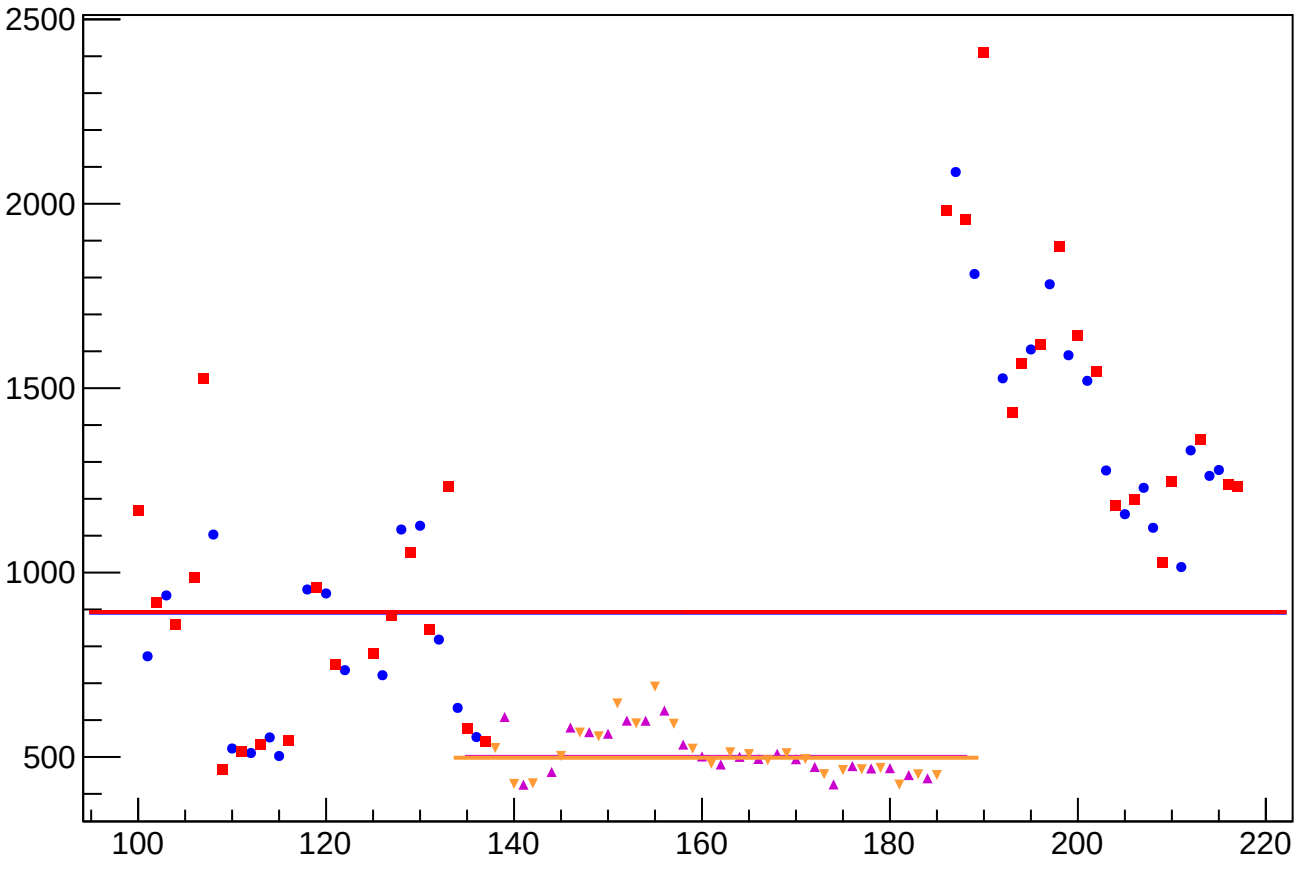
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 53.685+/-154.554 χ^2/NDF: 94.5/64

In: -93.304+/-103.786 χ^2/NDF:80.6/53

Out: -184.074+/-102.874 χ^2/NDF:119.0/57

All: -139.090+/-73.063 χ^2/NDF: 200.0/111



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: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

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

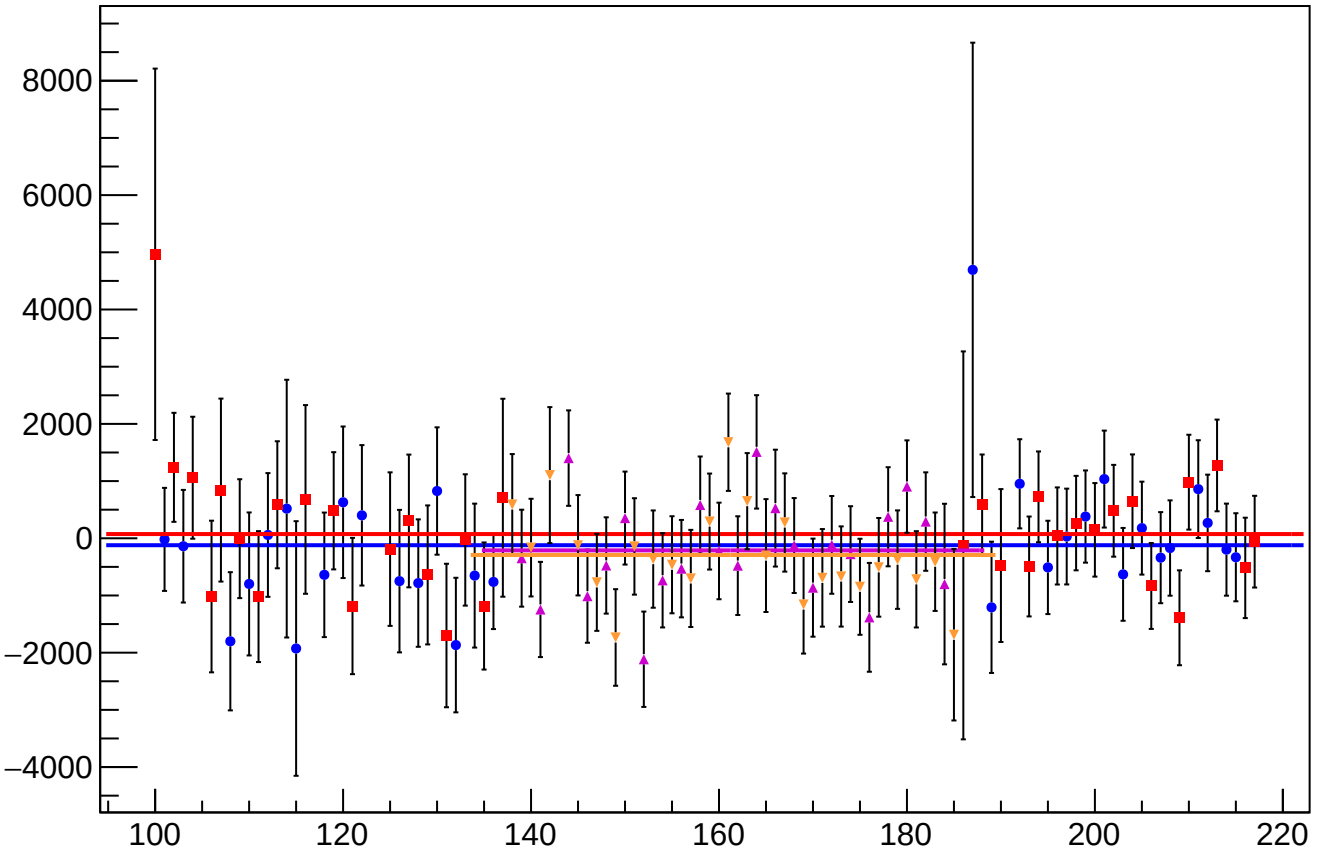
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 892.257+/-0.109 χ^2/NDF: 11941845.7/64

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

Out: 586.133+/-0.073 χ^2/NDF:12295812.9/57

All: 586.981+/-0.052 χ^2/NDF: 22995045.1/1



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: 73.872+/-173.011 χ^2/NDF: 22.8/33

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

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

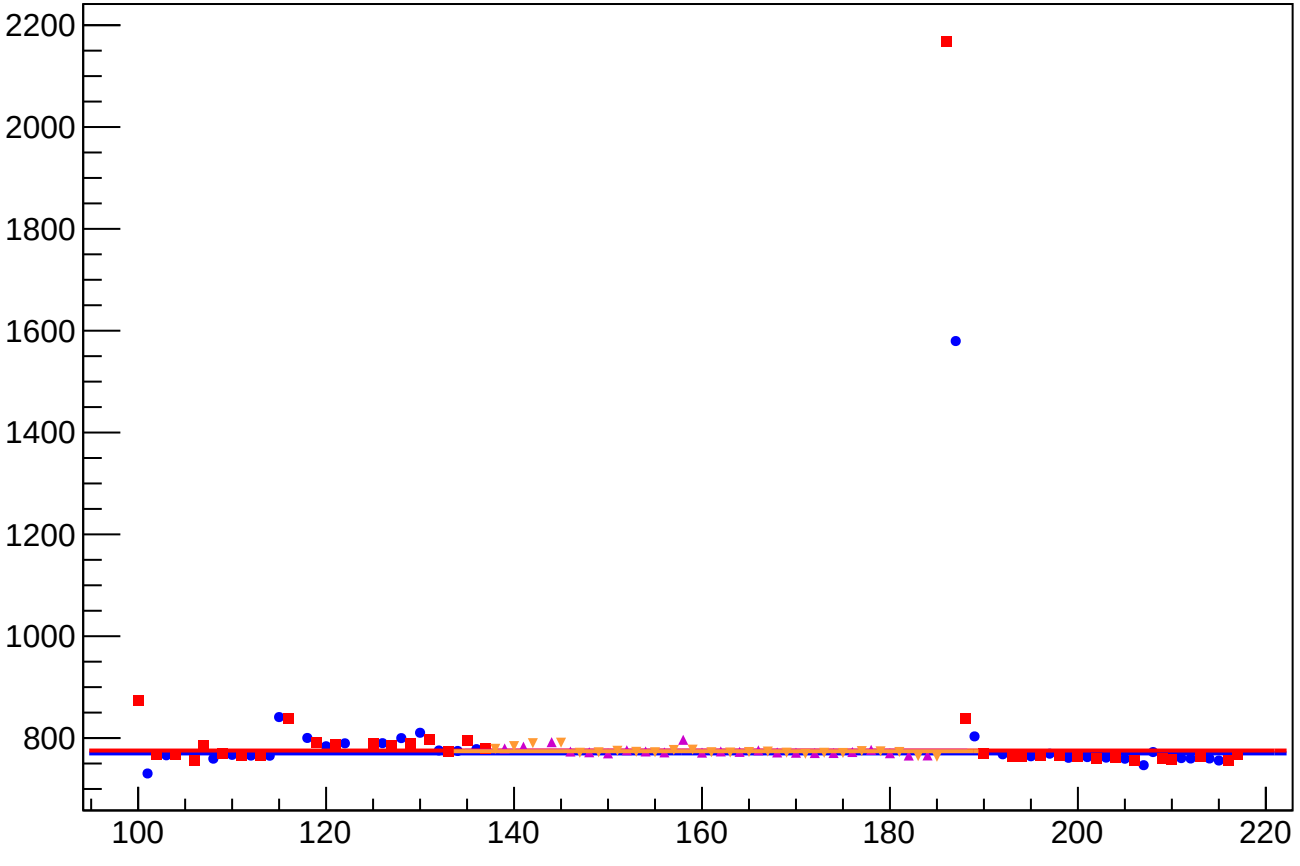
Right: -22.102+/-123.290 χ^2/NDF: 40.5/64

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

Out: -102.175+/-124.625 χ^2/NDF:41.6/57

All: -133.159+/-88.629 χ^2/NDF: 81.0/111

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: 775.488+/-0.122 χ^2/NDF: 363566.5/33

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

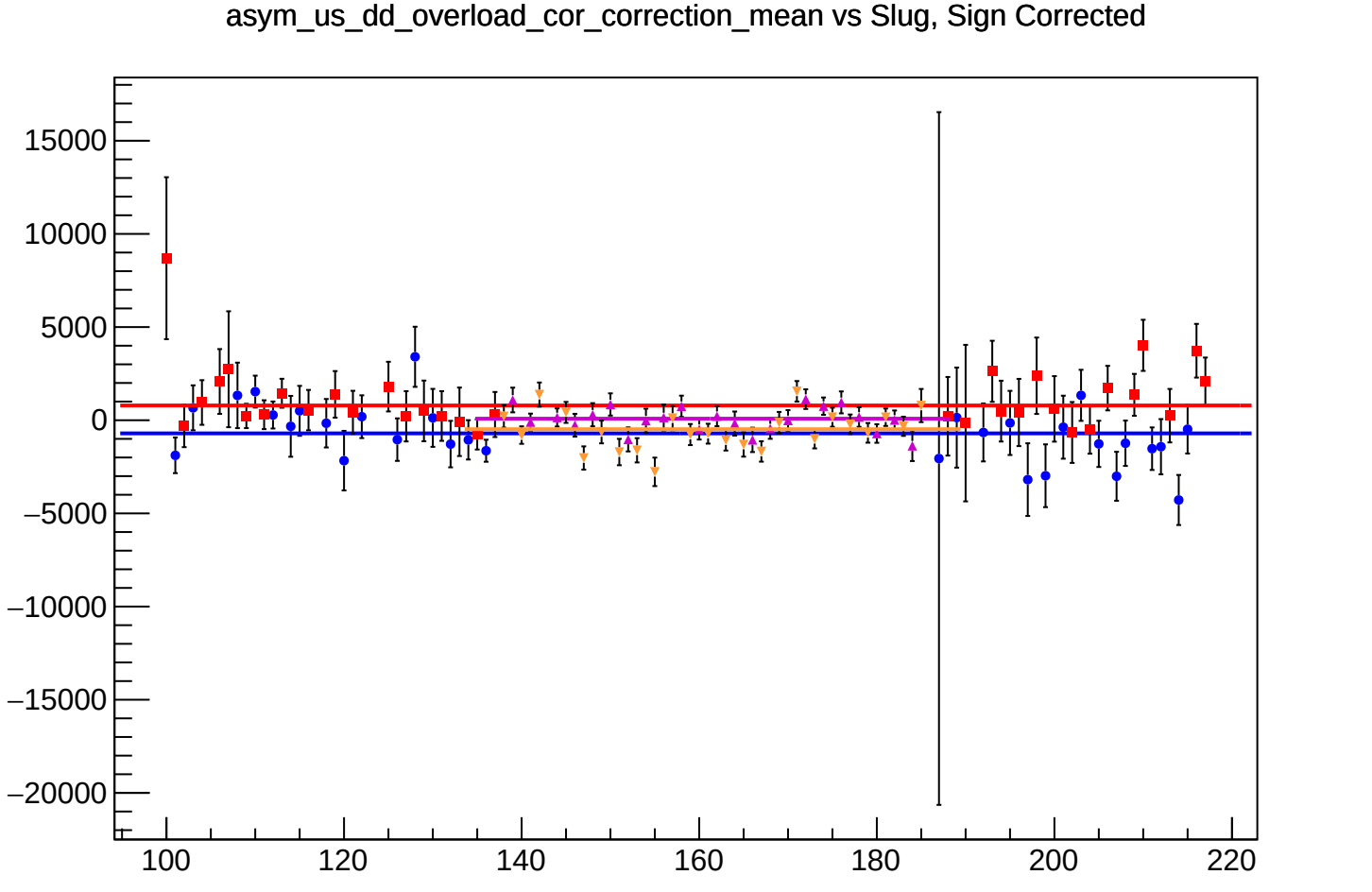
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 772.701+/-0.087 χ^2/NDF: 466978.0/64

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

Out: 774.840+/-0.088 χ^2/NDF:365685.1/57

All: 773.601+/-0.063 χ^2/NDF: 472429.0/111



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

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

Right Out: 791.612+/-218.726 χ^2/NDF: 28.1/32

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

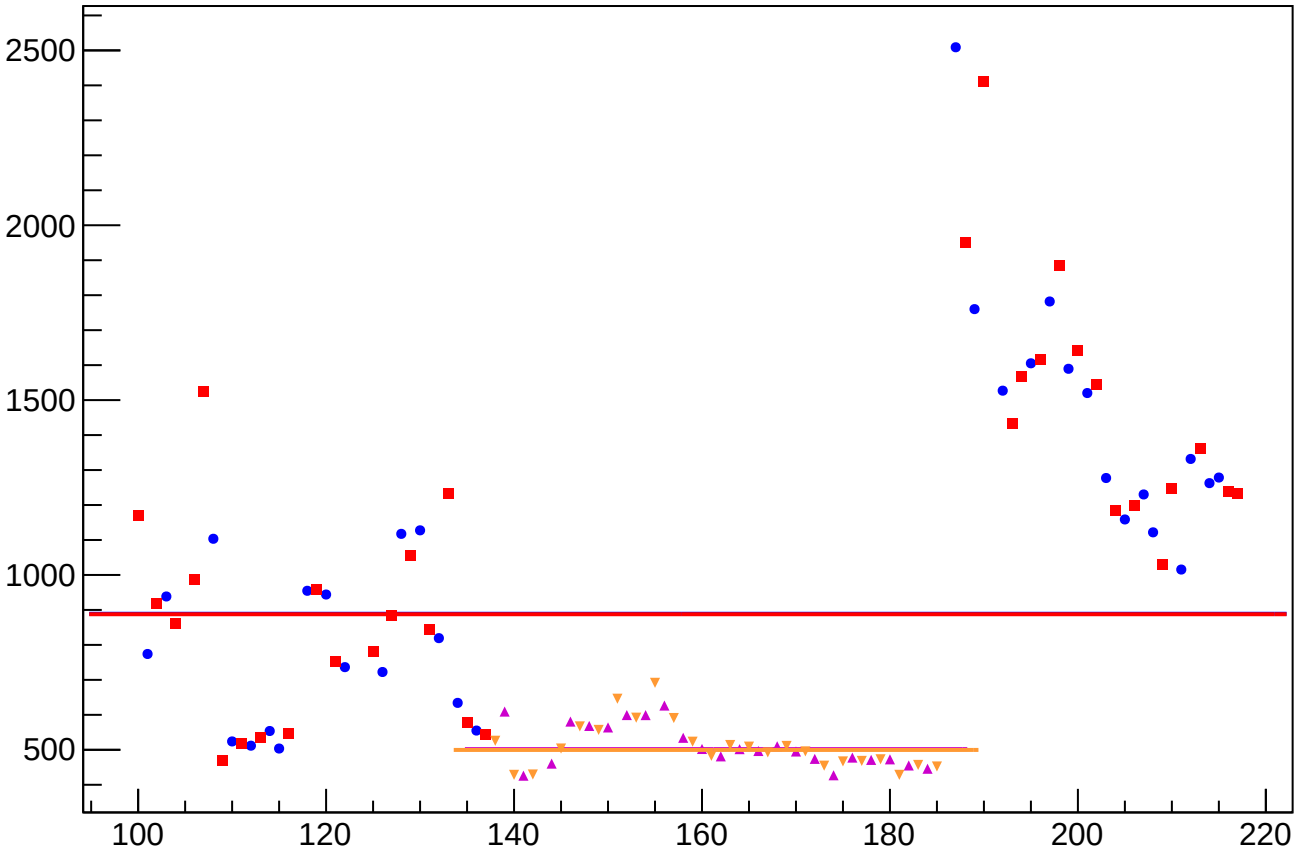
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 47.353+/-155.077 χ^2/NDF: 93.6/63

In: -93.454+/-104.109 χ^2/NDF:80.5/53

Out: -197.773+/-103.230 χ^2/NDF:117.9/56

All: -146.055+/-73.303 χ^2/NDF: 198.9/110



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: 887.686+/-0.155 χ^2/NDF: 6318152.8/32

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

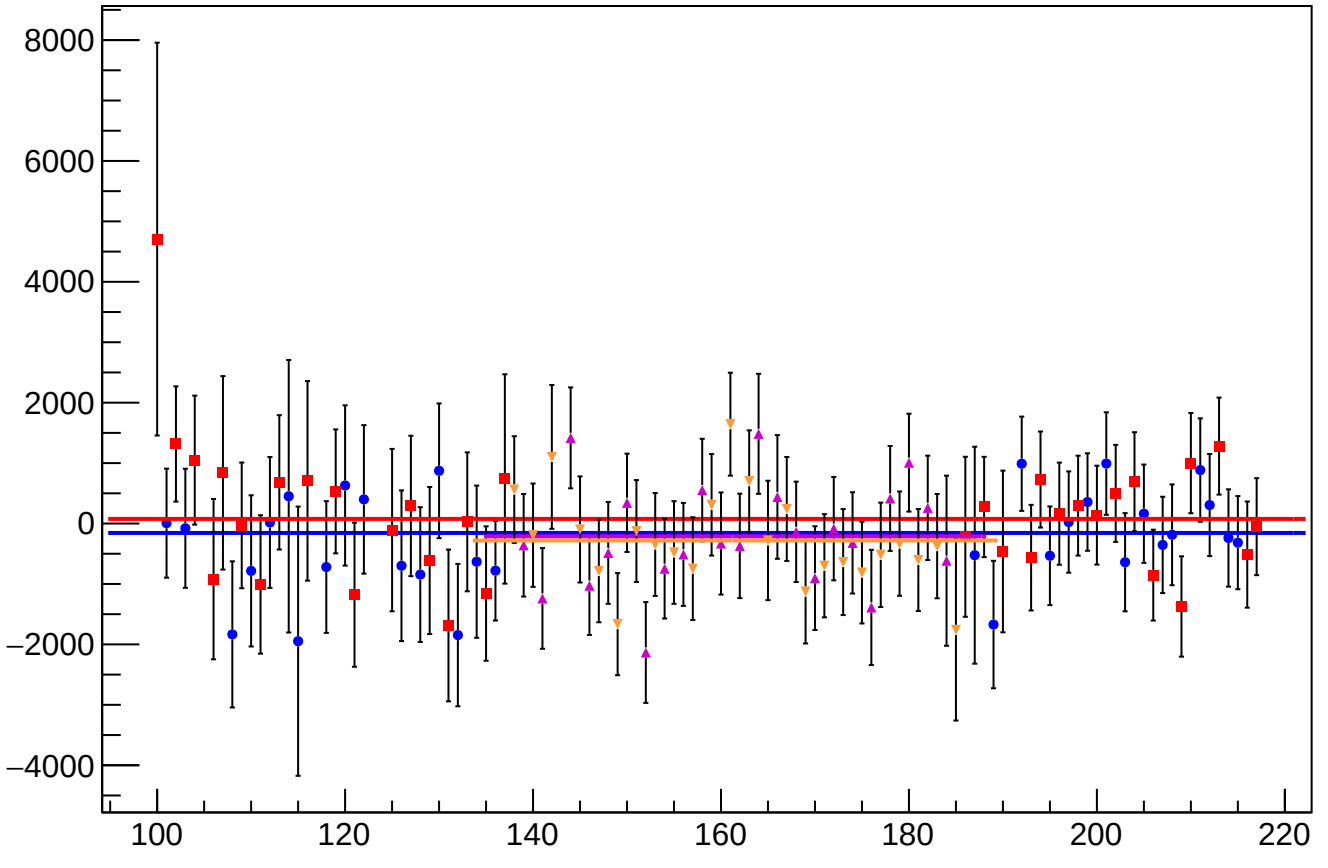
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 888.337+/-0.110 χ^2/NDF: 11422395.1/63

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

Out: 586.100+/-0.073 χ^2/NDF:11726525.6/56

All: 587.419+/-0.052 χ^2/NDF: 22103999.8/11



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: 76.676+/-171.511 χ^2/NDF: 22.7/33

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

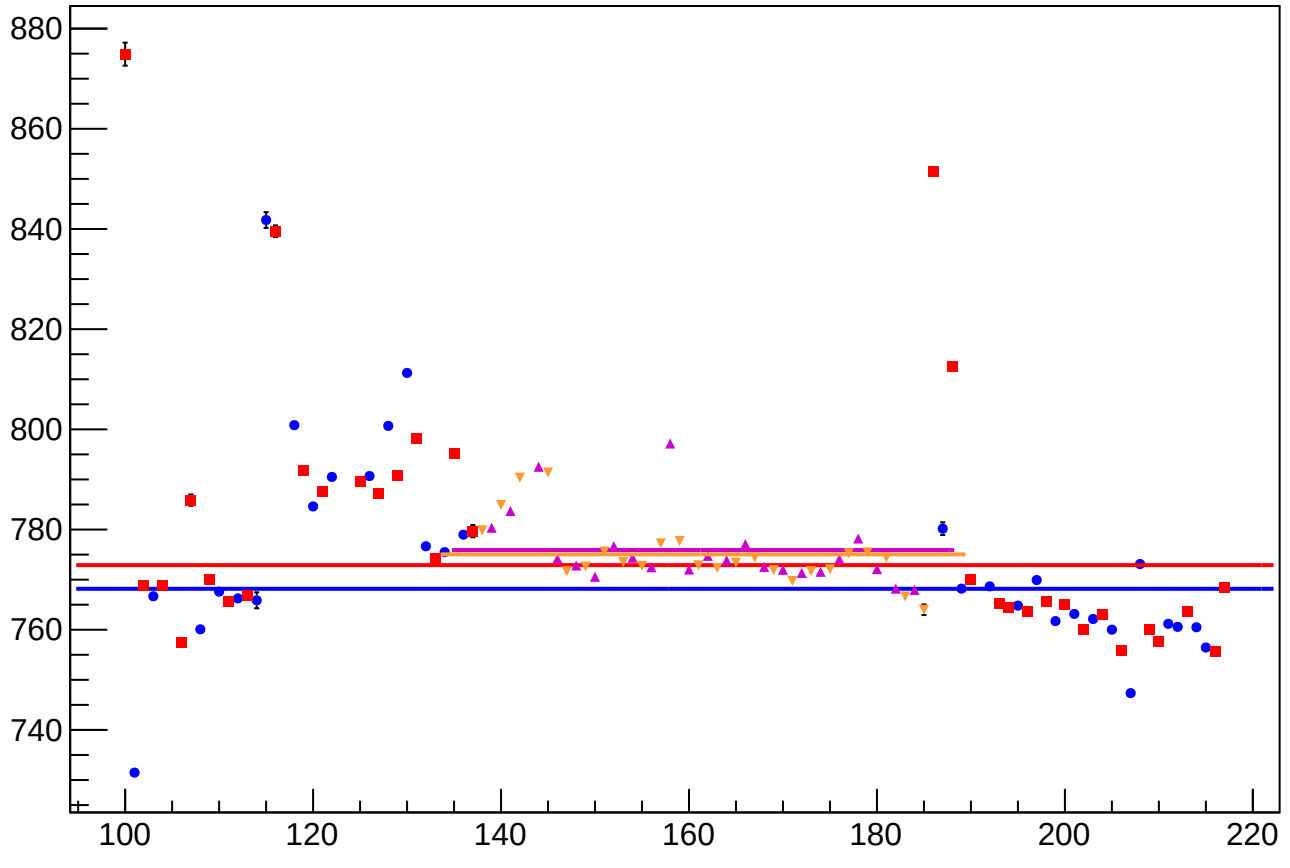
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -37.294+/-122.437 χ^2/NDF: 40.7/64

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

Out: -93.344+/-124.130 χ^2/NDF:40.8/57

All: -137.844+/-88.361 χ^2/NDF: 80.6/111



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: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

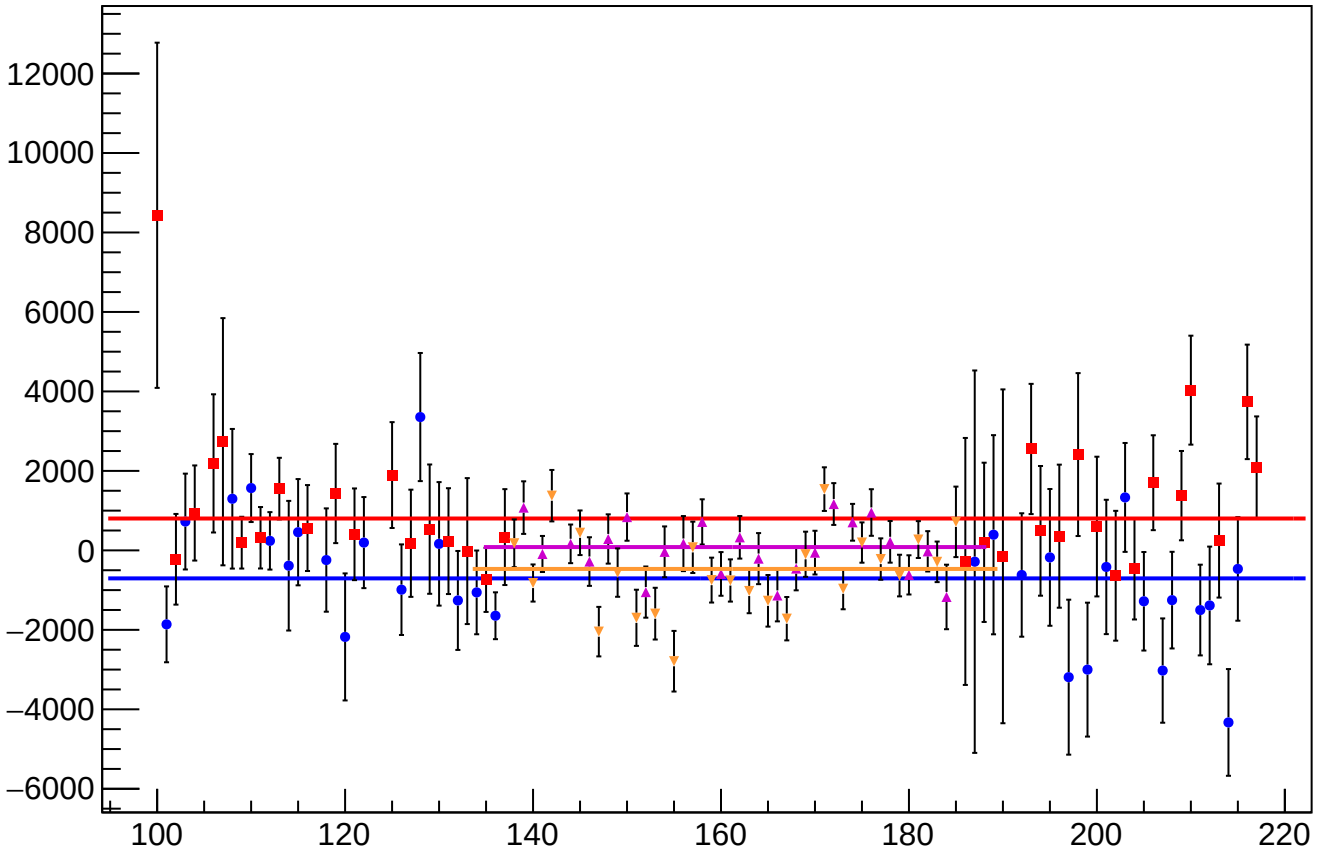
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.581+/-0.087 χ^2/NDF: 44193.7/64

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

Out: 773.922+/-0.088 χ^2/NDF:28316.6/57

All: 772.930+/-0.062 χ^2/NDF: 50677.3/111



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: 801.814+/-217.811 χ^2/NDF: 28.2/33

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

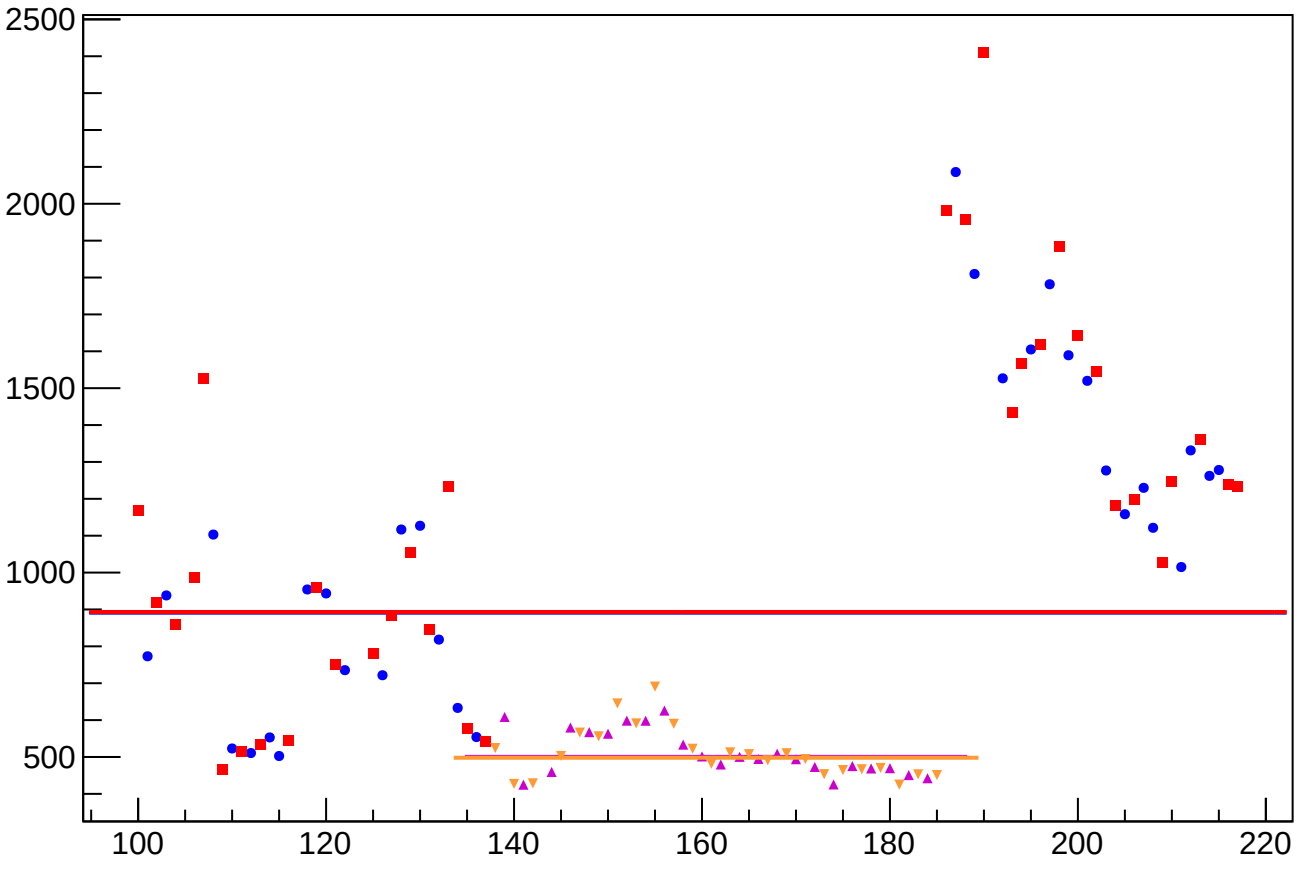
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 53.685+/-154.554 χ^2/NDF: 94.5/64

In: -93.304+/-103.786 χ^2/NDF:80.6/53

Out: -184.074+/-102.874 χ^2/NDF:119.0/57

All: -139.090+/-73.063 χ^2/NDF: 200.0/111



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: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

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

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

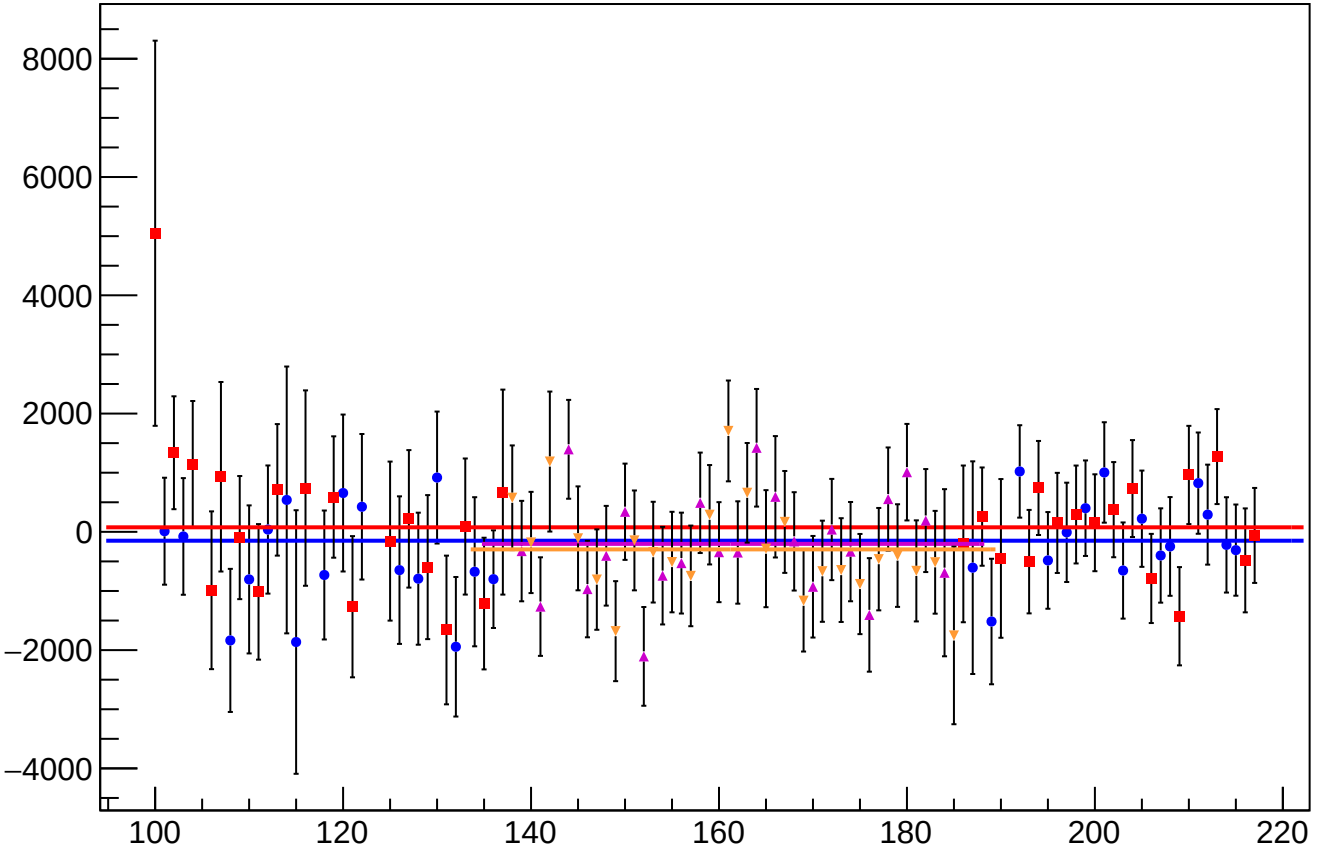
Right: 892.257+/-0.109 χ^2/NDF: 11941845.7/64

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

Out: 586.133+/-0.073 χ^2/NDF:12295812.9/57

All: 586.981+/-0.052 χ^2/NDF: 22995045.1/1

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: 76.608+/-171.710 χ^2/NDF: 23.3/33

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

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

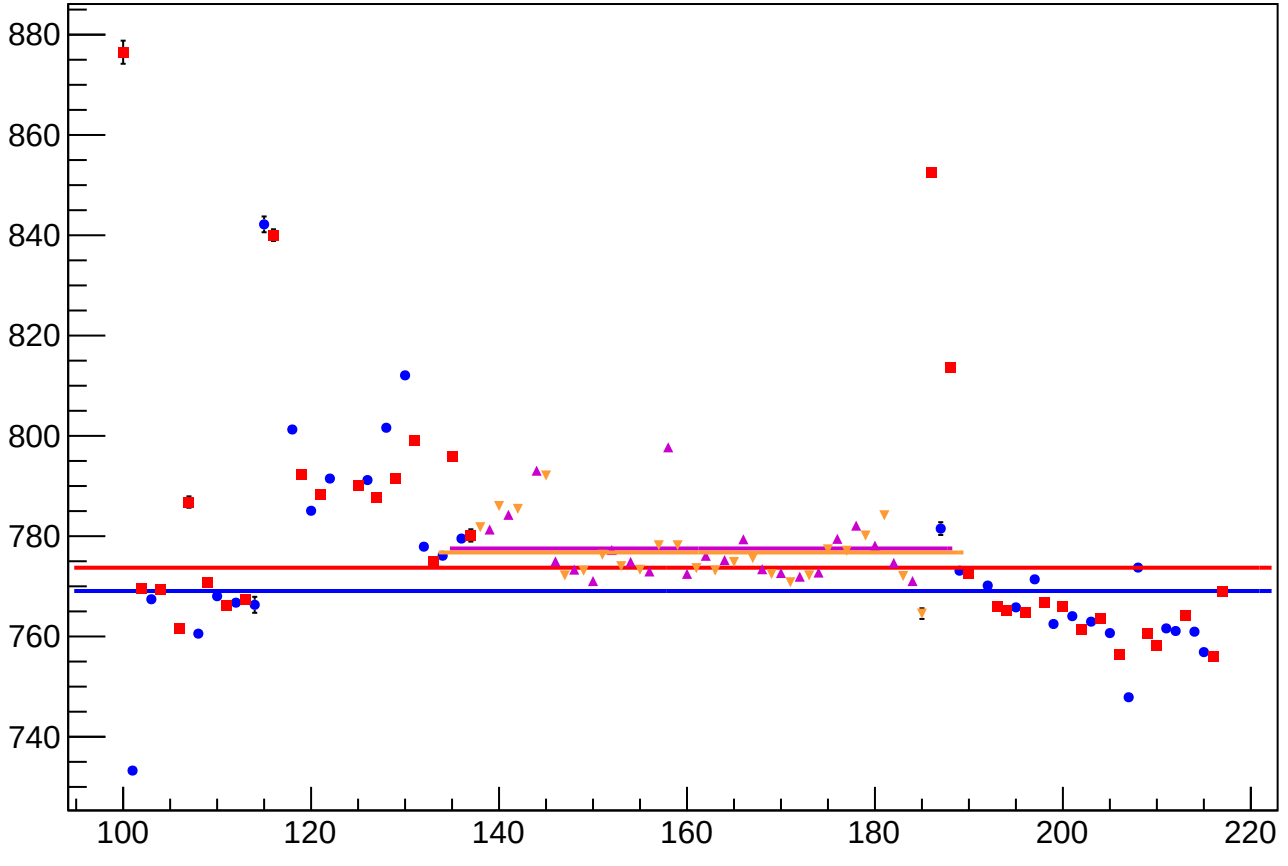
Right: -34.494+/-122.579 χ^2/NDF: 41.3/64

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

Out: -100.996+/-124.337 χ^2/NDF:42.2/57

All: -137.835+/-88.506 χ^2/NDF: 81.7/111

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: 773.713+/-0.121 χ^2/NDF: 26167.1/33

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

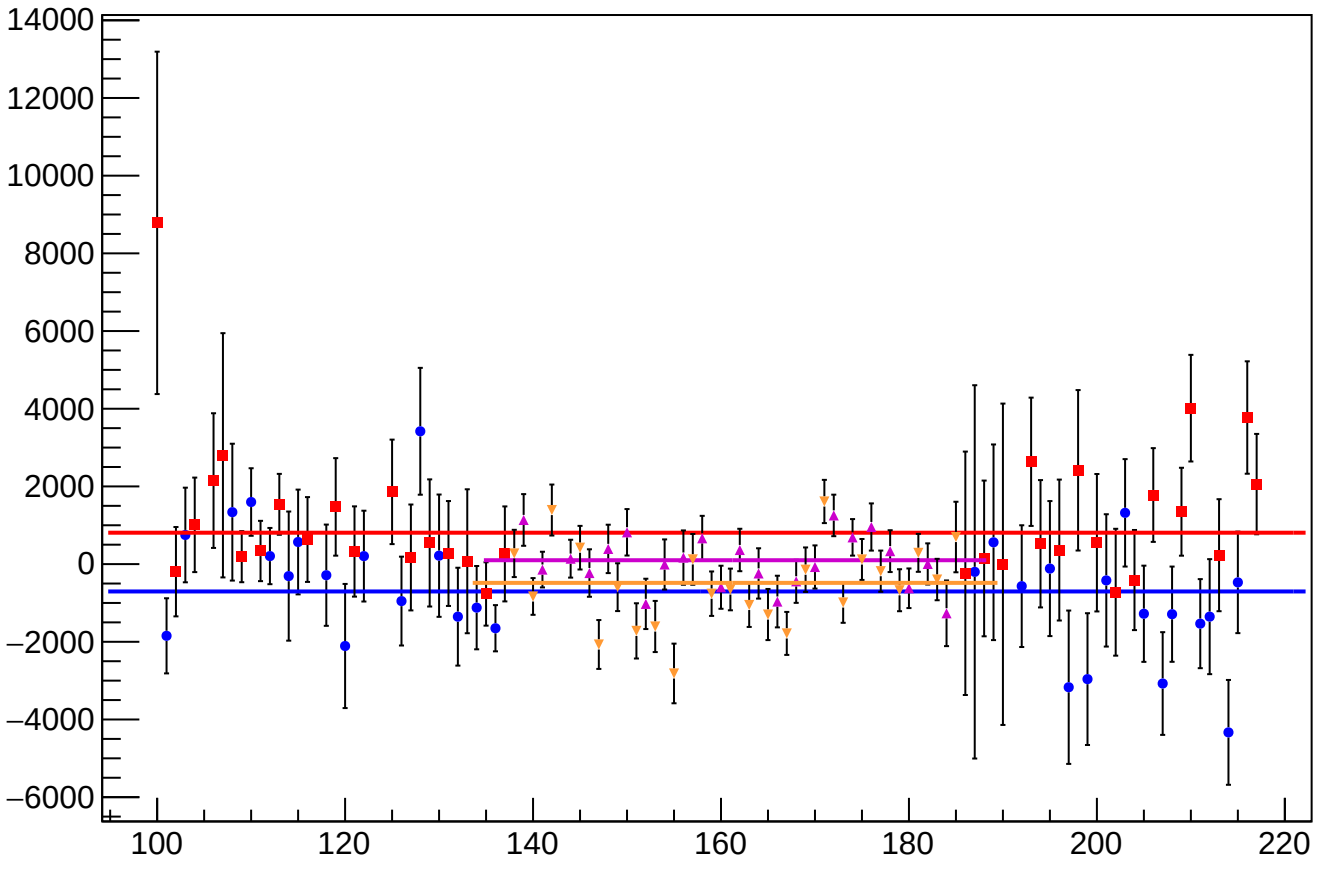
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 771.435+/-0.087 χ^2/NDF: 43996.9/64

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

Out: 775.158+/-0.088 χ^2/NDF:28291.1/57

All: 774.169+/-0.063 χ^2/NDF: 50672.7/111



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: 808.365+/-219.530 χ^2/NDF: 28.4/33

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

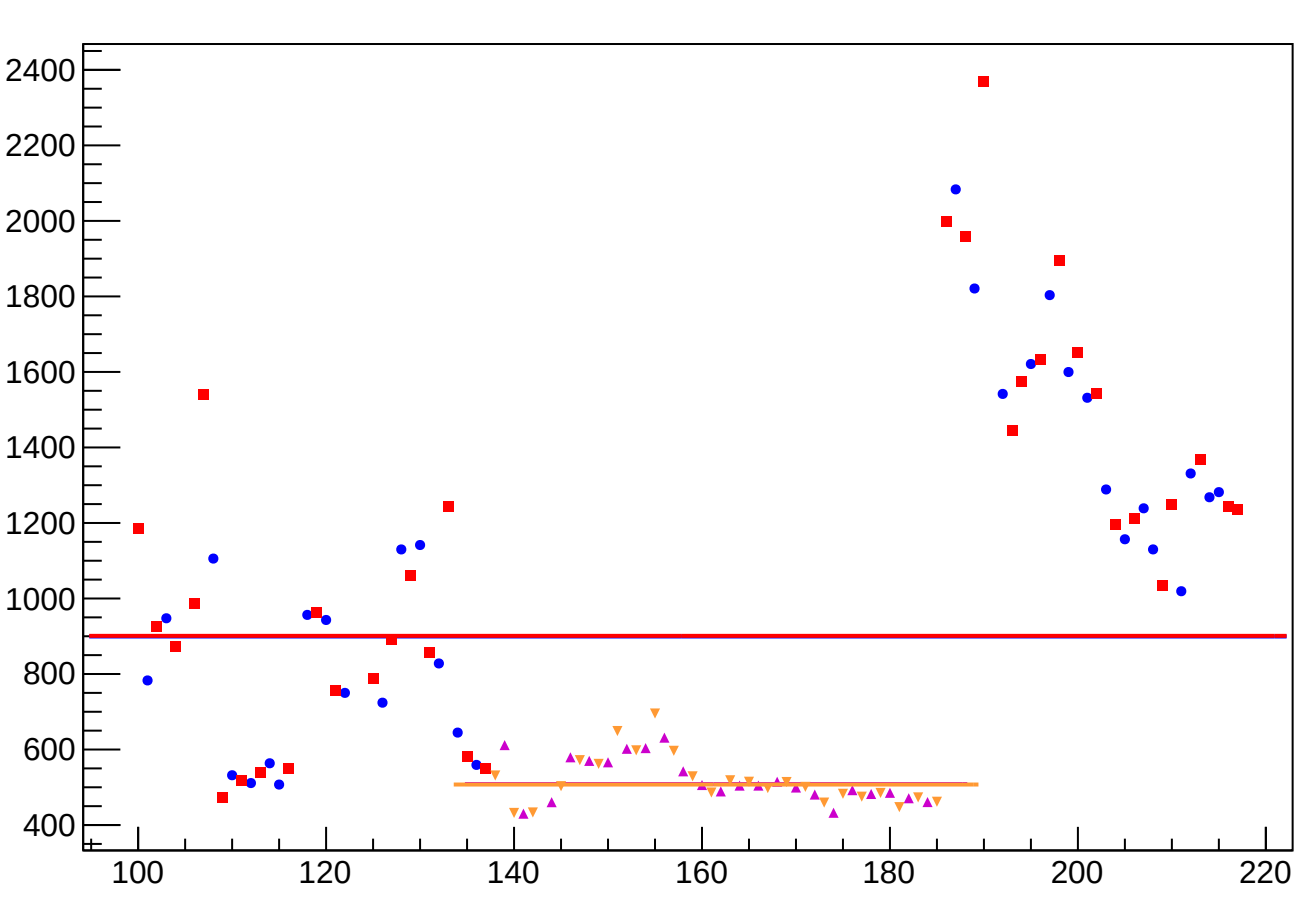
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 57.833+/-155.815 χ^2/NDF: 94.3/64

In: -82.099+/-105.258 χ^2/NDF:80.1/53

Out: -190.377+/-104.486 χ^2/NDF:120.2/57

All: -136.637+/-74.154 χ^2/NDF: 200.8/111



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: 901.051+/-0.155 χ^2/NDF: 6597275.0/33

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

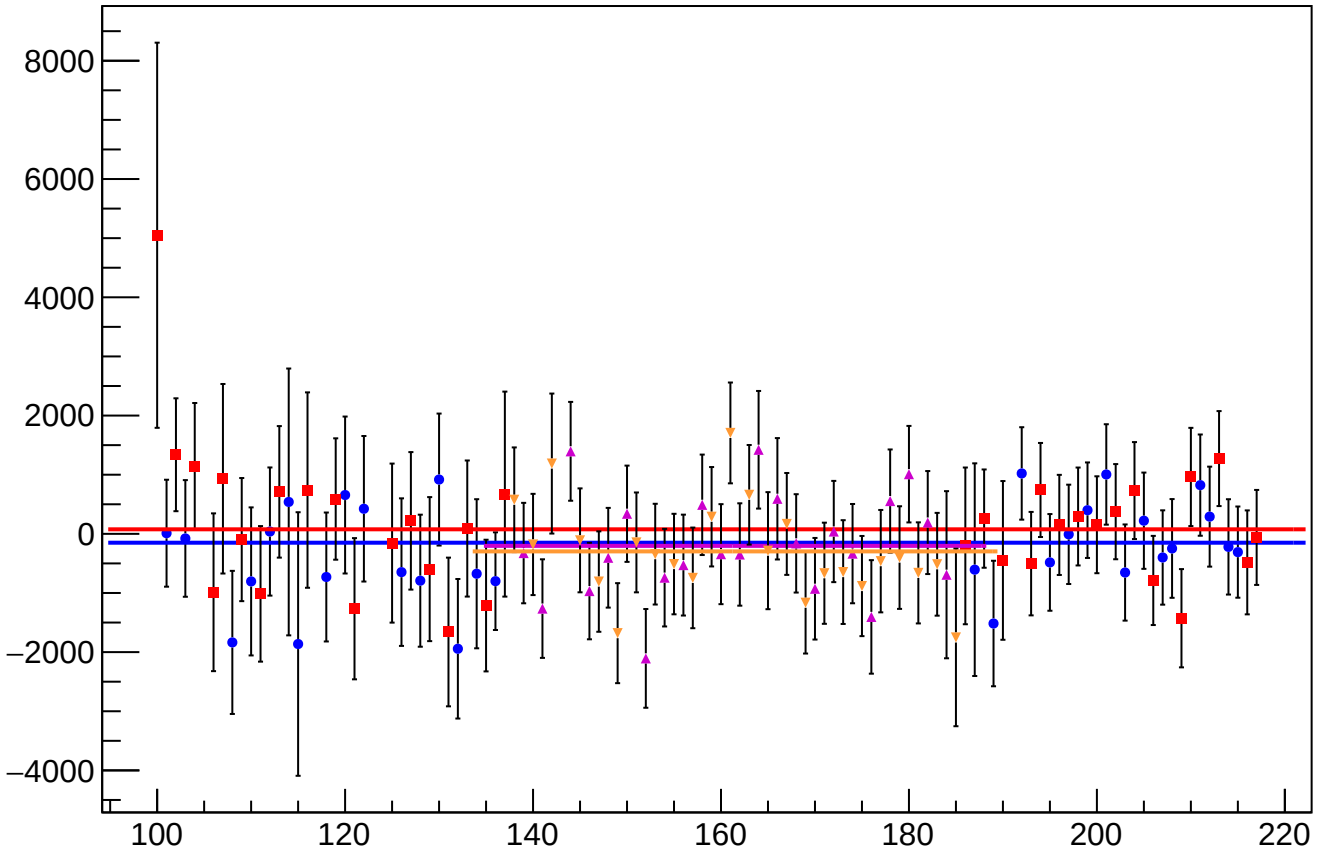
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 900.212+/-0.110 χ^2/NDF: 11850597.5/64

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

Out: 596.512+/-0.074 χ^2/NDF:12047342.7/57

All: 596.813+/-0.052 χ^2/NDF: 22560565.7/1



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: 76.606+/-171.710 χ^2/NDF: 23.3/33

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

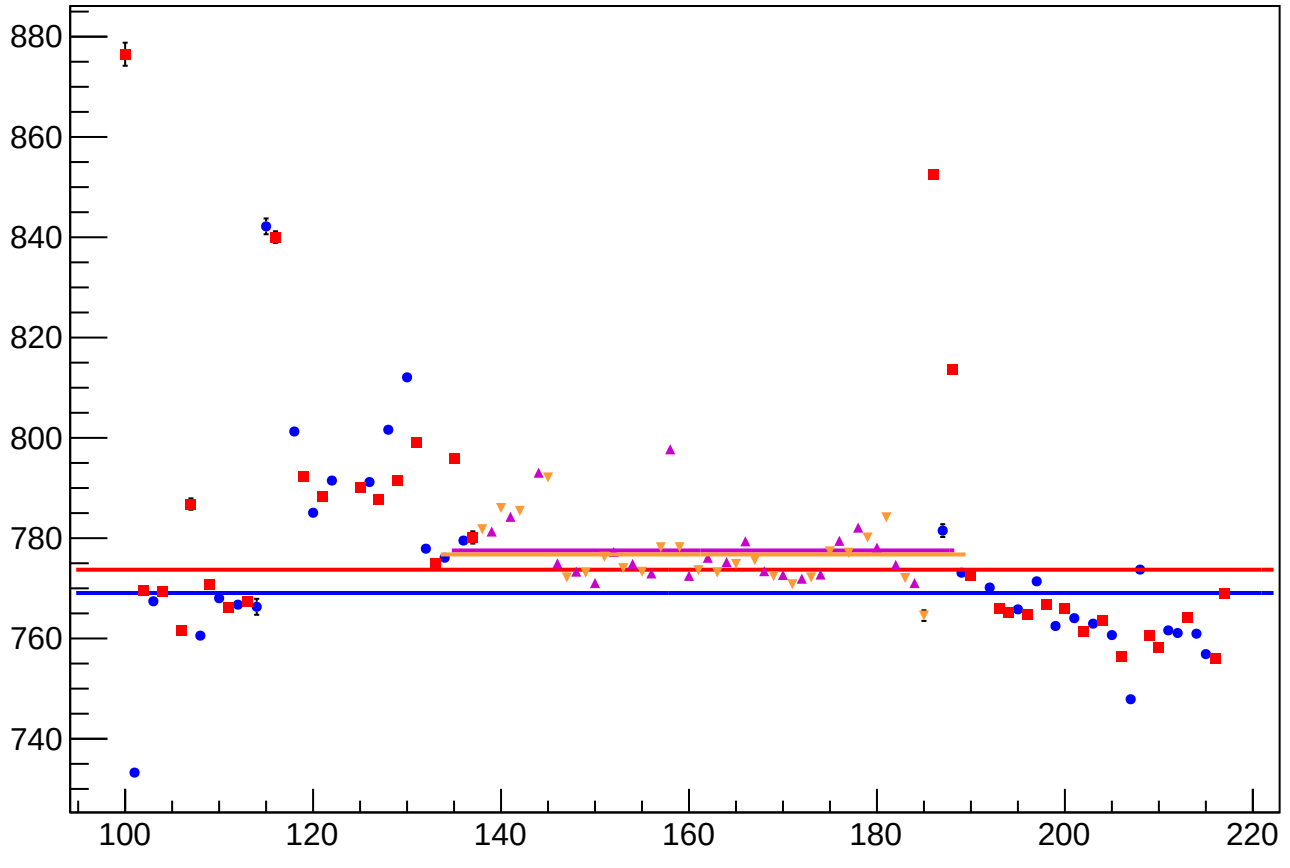
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -34.495+/-122.579 χ^2/NDF: 41.3/64

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

Out: -100.997+/-124.337 χ^2/NDF:42.2/57

All: -137.835+/-88.506 χ^2/NDF: 81.7/111



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: 773.713+/-0.121 χ^2/NDF: 26167.1/33

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

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

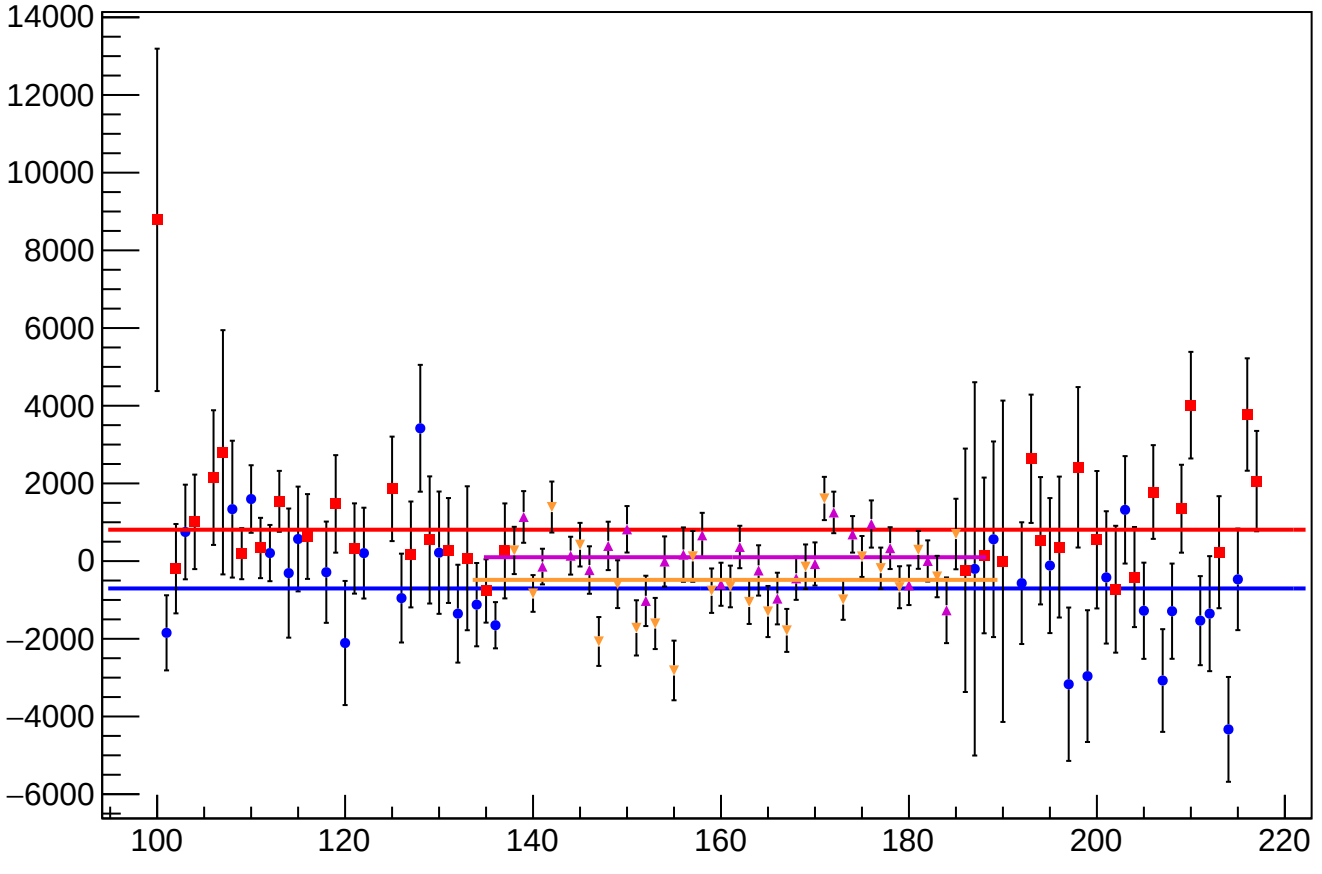
Right: 771.435+/-0.087 χ^2/NDF: 43996.8/64

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

Out: 775.158+/-0.088 χ^2/NDF:28291.1/57

All: 774.169+/-0.063 χ^2/NDF: 50672.6/111

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: 808.362+/-219.529 χ^2/NDF: 28.4/33

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

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

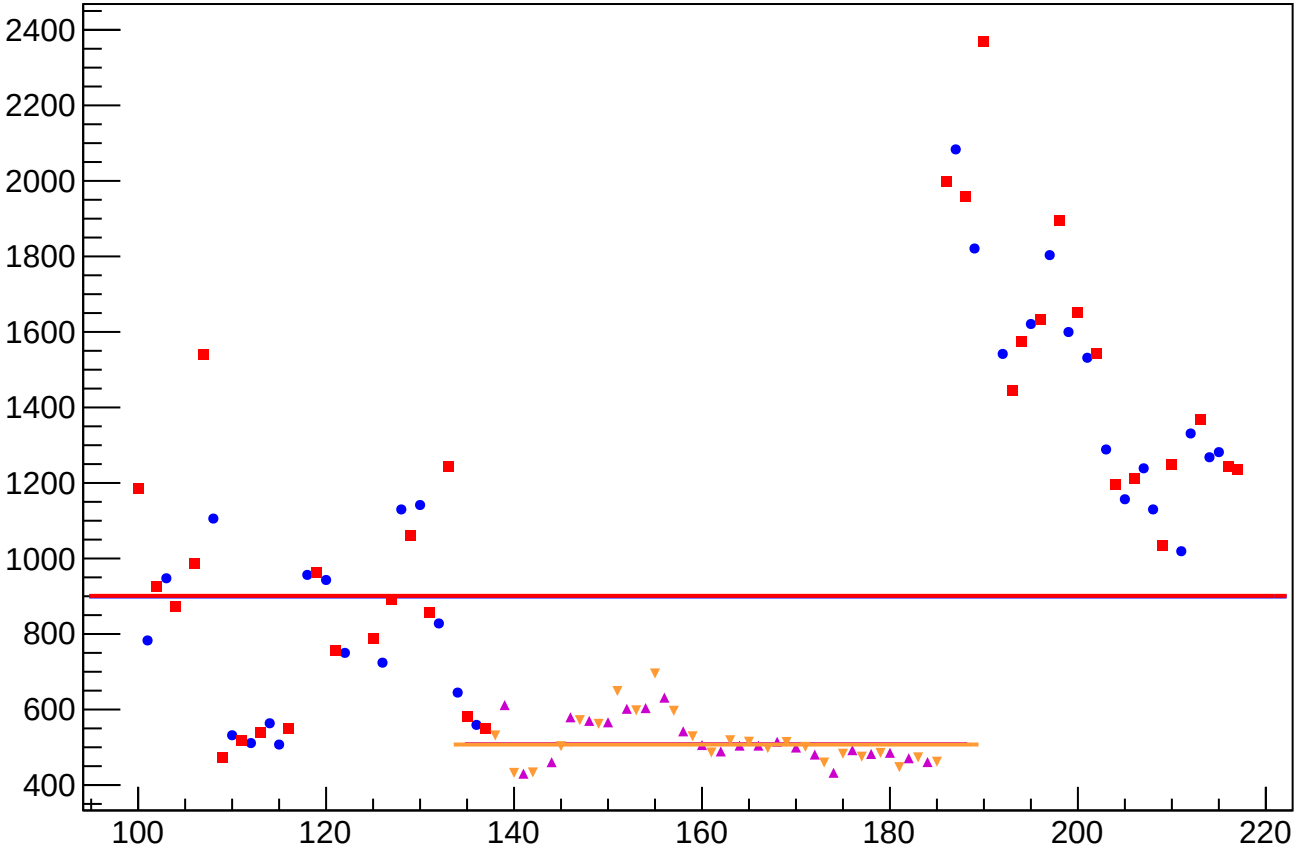
Right: 57.835+/-155.814 χ^2/NDF: 94.3/64

In: -82.099+/-105.257 χ^2/NDF:80.1/53

Out: -190.376+/-104.486 χ^2/NDF:120.2/57

All: -136.636+/-74.154 χ^2/NDF: 200.8/111

asym_us_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 901.047+/-0.155 χ^2/NDF: 6597349.0/33

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

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

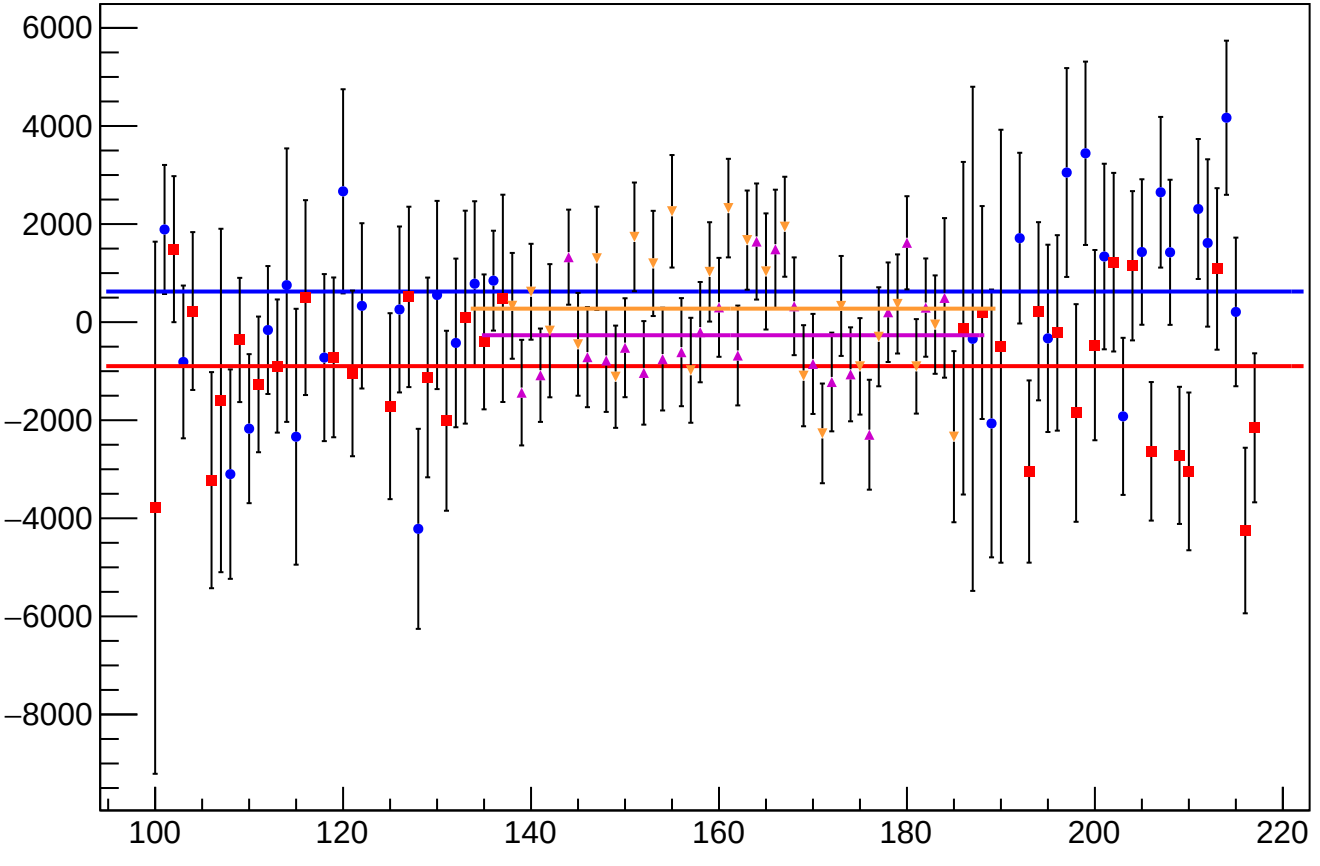
Right: 900.208+/-0.110 χ^2/NDF: 11850744.9/64

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

Out: 596.511+/-0.074 χ^2/NDF:12047355.5/57

All: 596.812+/-0.052 χ^2/NDF: 22560604.7/1

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: -897.097+/-303.558 χ^2/NDF: 23.8/33

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

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

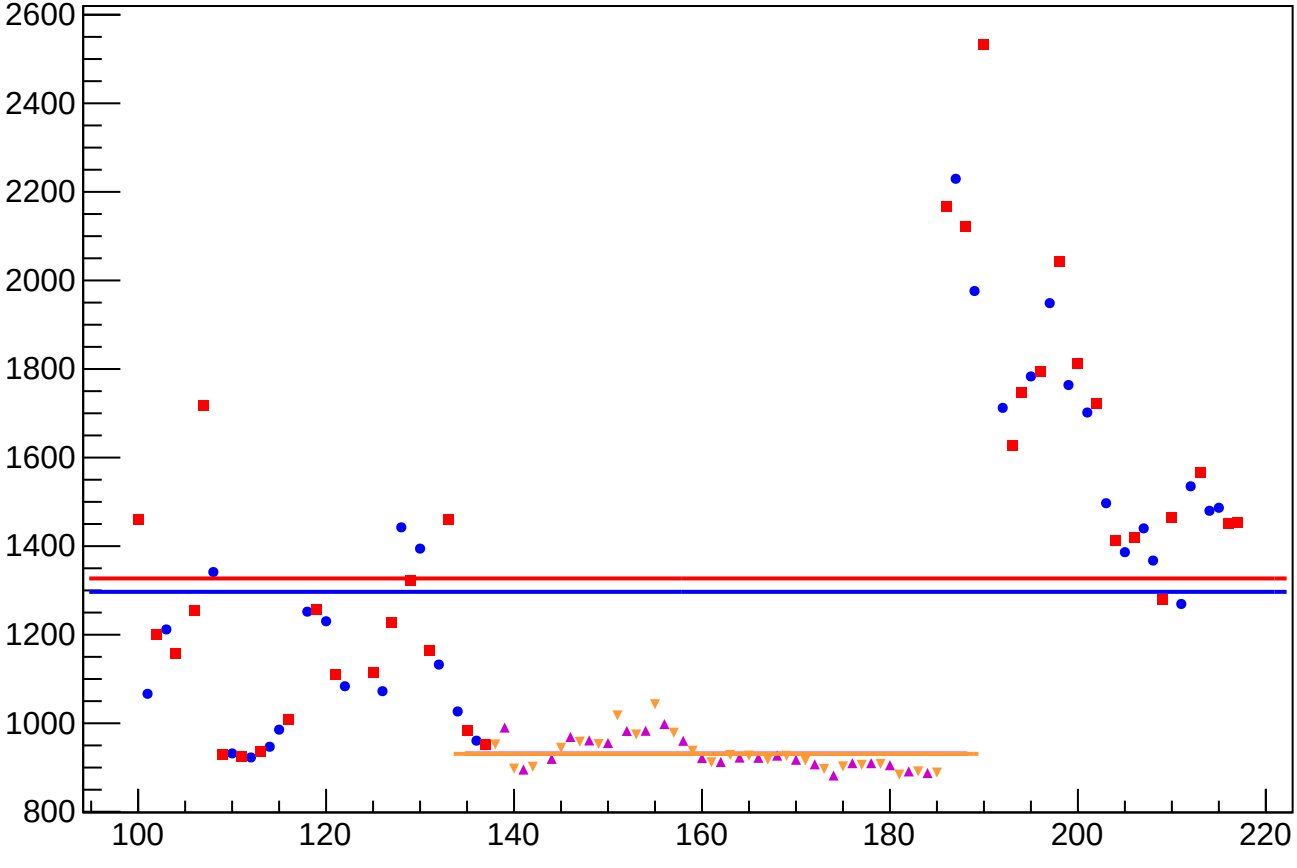
Right: -134.316+/-214.354 χ^2/NDF: 71.1/64

In: 36.749+/-176.736 χ^2/NDF:61.8/53

Out: -119.559+/-176.149 χ^2/NDF:67.3/57

All: -41.665+/-124.763 χ^2/NDF: 129.5/111

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: 1327.052+/-0.215 χ^2/NDF: 2262481.1/33

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

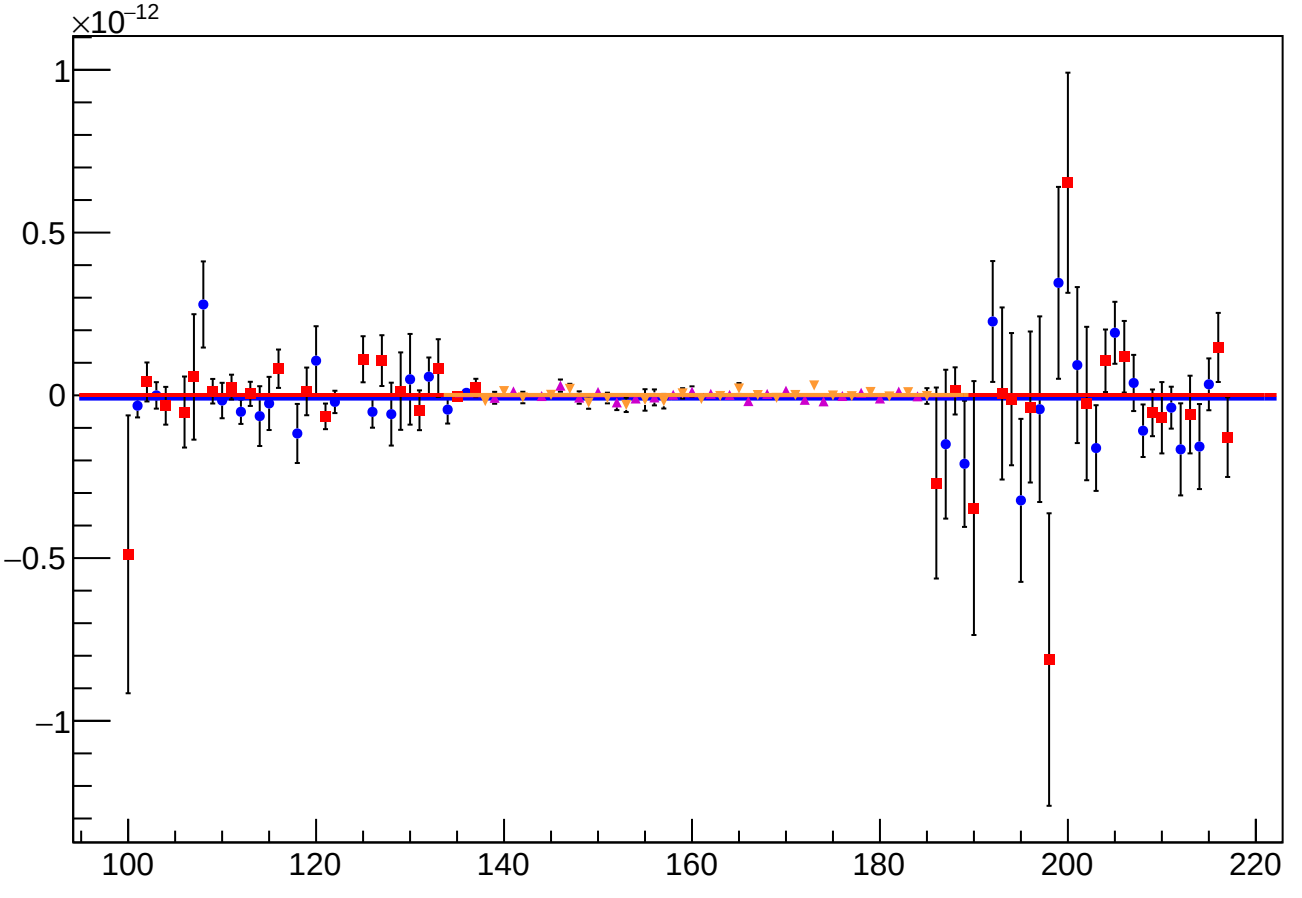
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1311.889+/-0.152 χ^2/NDF: 4049654.6/64

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

Out: 1064.310+/-0.125 χ^2/NDF:4583420.2/57

All: 1060.194+/-0.088 χ^2/NDF: 8330802.3/11



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: 29.6/33

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

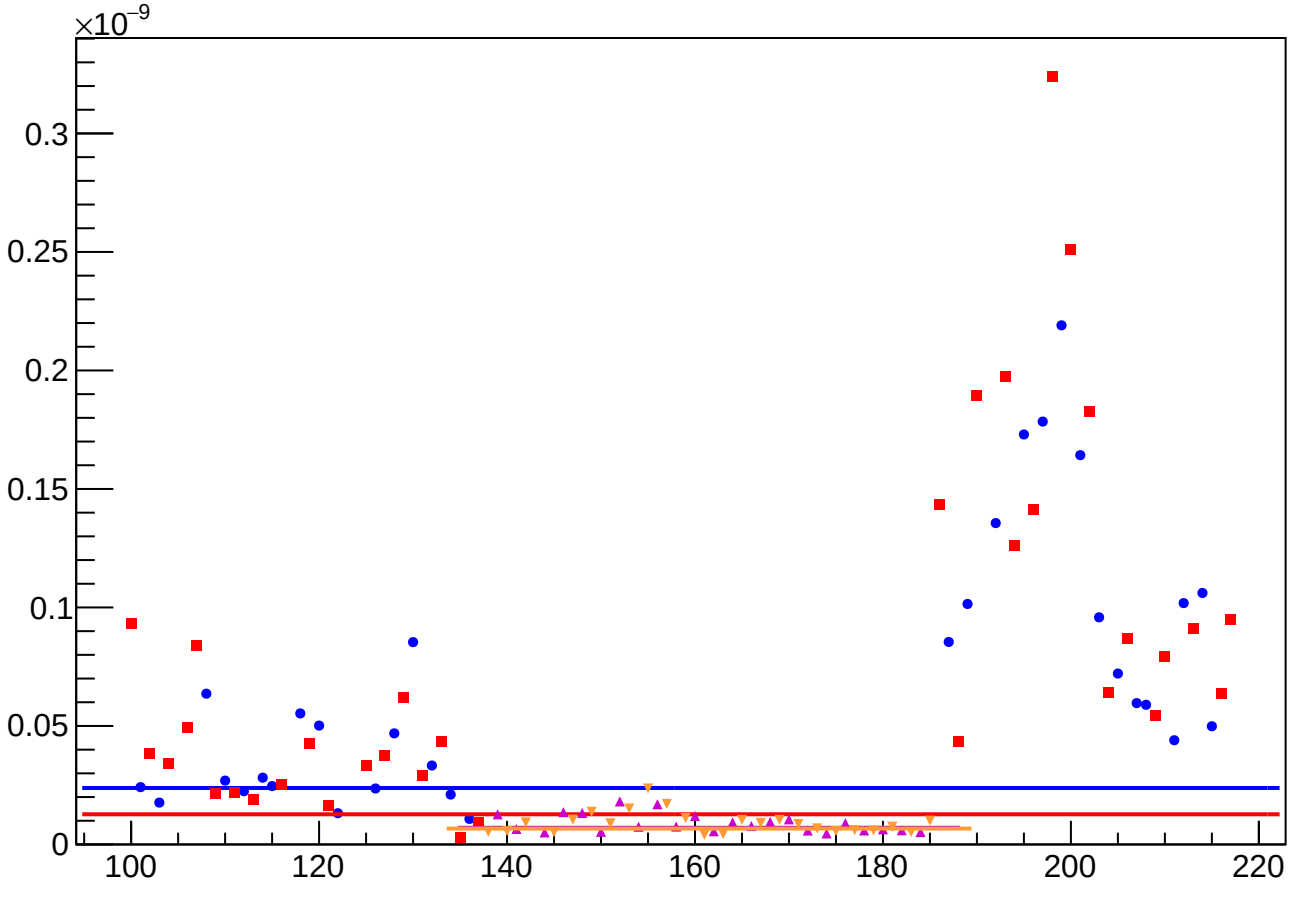
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 61.2/64

In: -0.000+/-0.000 χ^2/NDF:53.8/53

Out: 0.000+/-0.000 χ^2/NDF:55.3/57

All: 0.000+/-0.000 χ^2/NDF: 109.6/111



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: 17077998.0/33

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

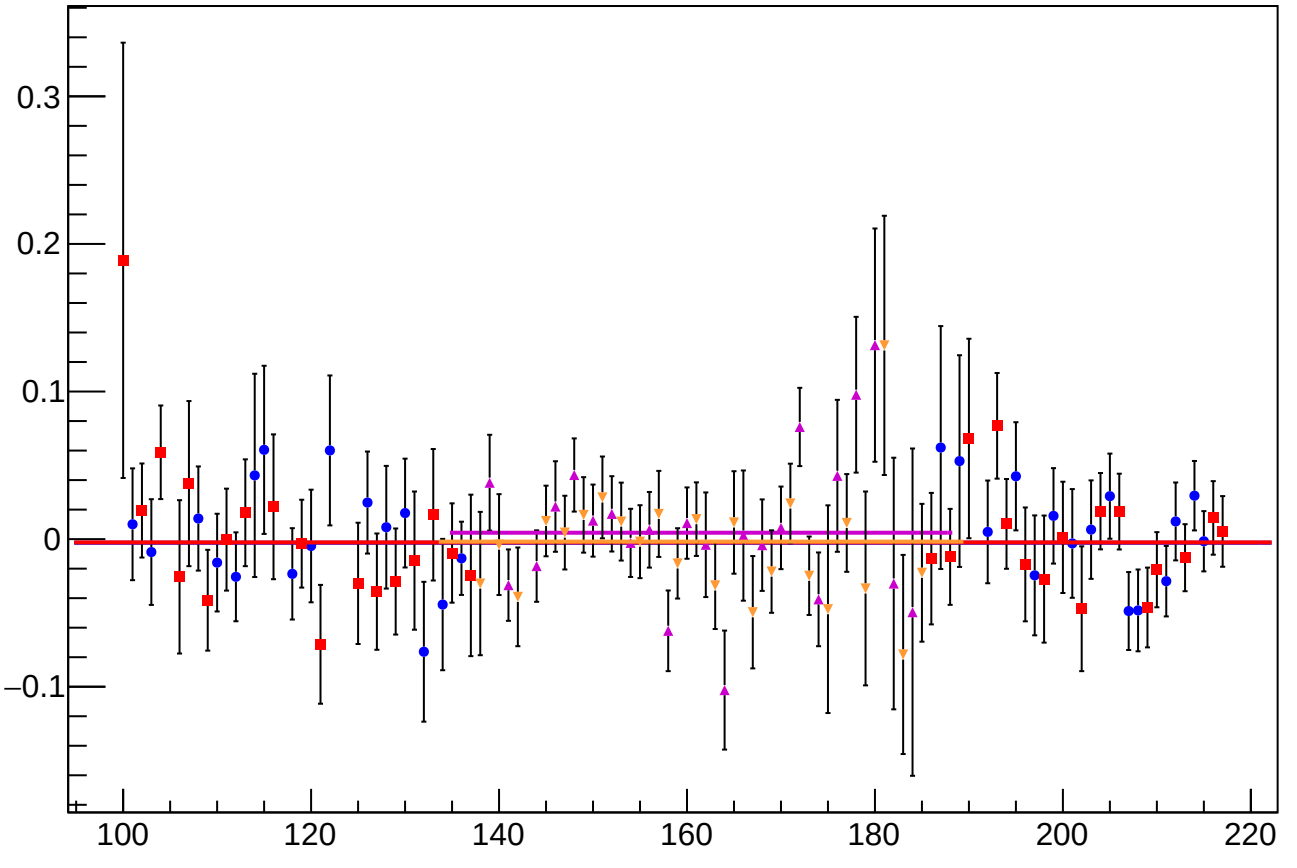
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 29310840.9/64

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

Out: 0.000+/-0.000 χ^2/NDF:21313385.5/57

All: 0.000+/-0.000 χ^2/NDF: 40058039.9/111



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: -0.002+/-0.006 χ^2/NDF: 26.7/33

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

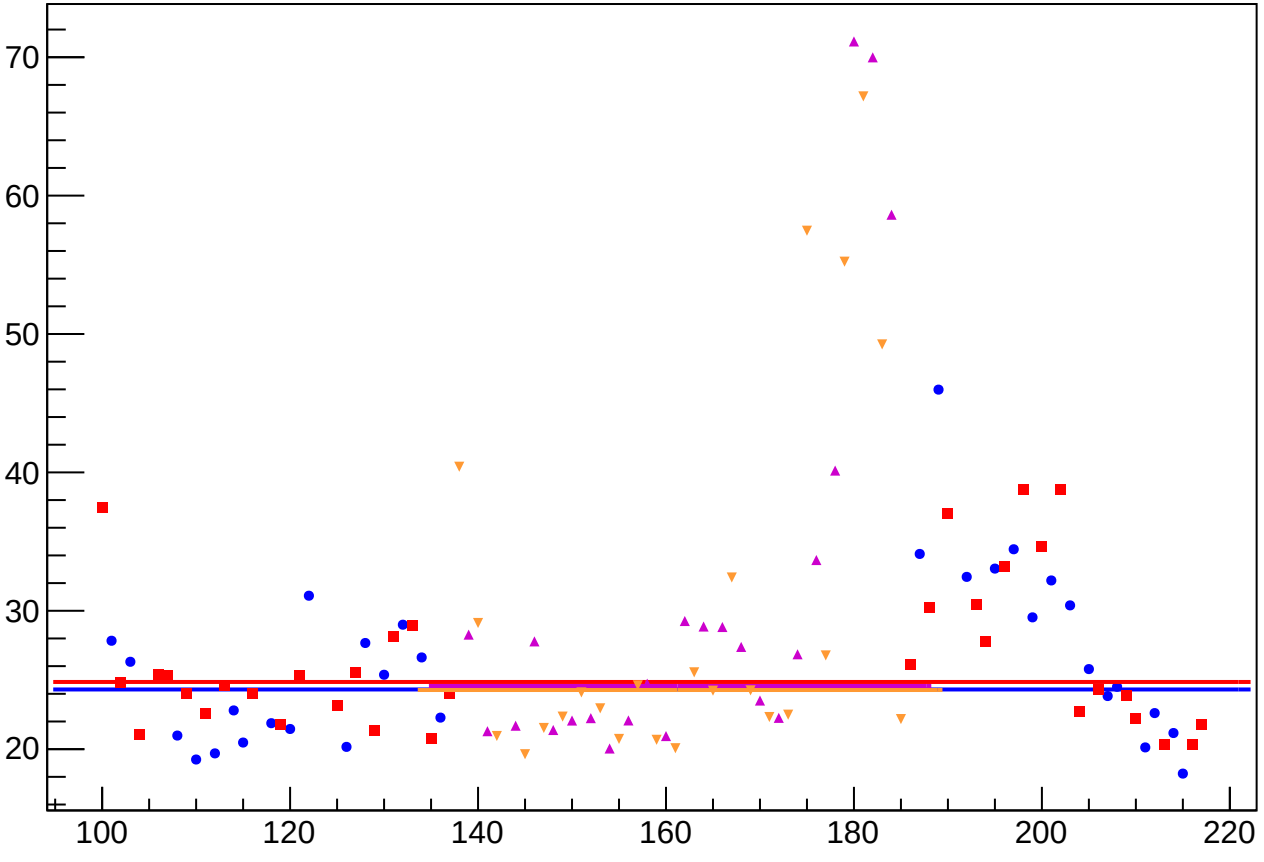
Right: -0.002+/-0.004 χ^2/NDF: 49.7/64

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.002+/-0.004 χ^2/NDF:41.3/57

All: -0.001+/-0.003 χ^2/NDF: 101.7/111

asym_us_dd_dit_vs_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: 24.856+/-0.004 χ^2/NDF: 1213418.1/33

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

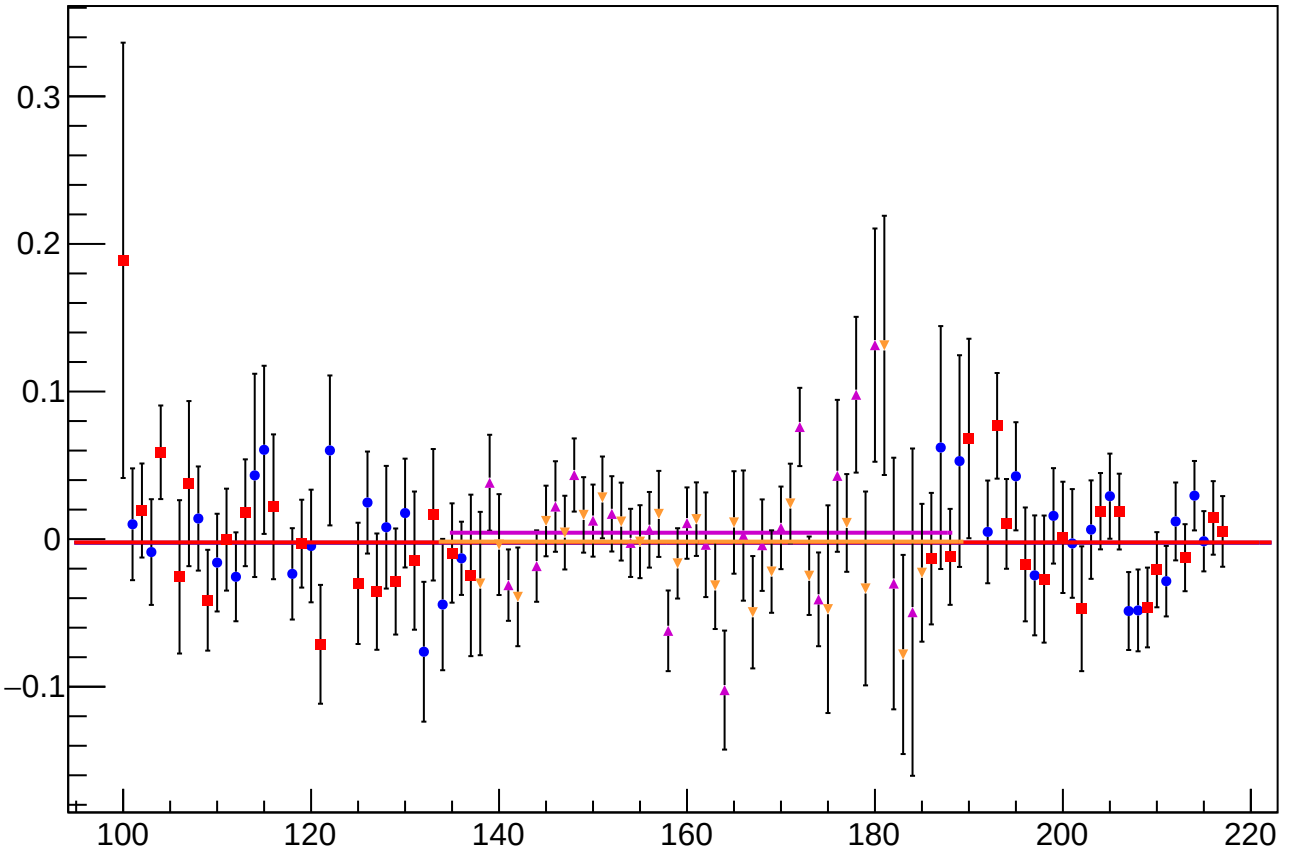
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.588+/-0.003 χ^2/NDF: 2565043.7/64

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

Out: 24.586+/-0.003 χ^2/NDF:3533122.6/57

All: 24.509+/-0.002 χ^2/NDF: 7012236.9/111



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: -0.002+/-0.006 χ^2/NDF: 26.7/33

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

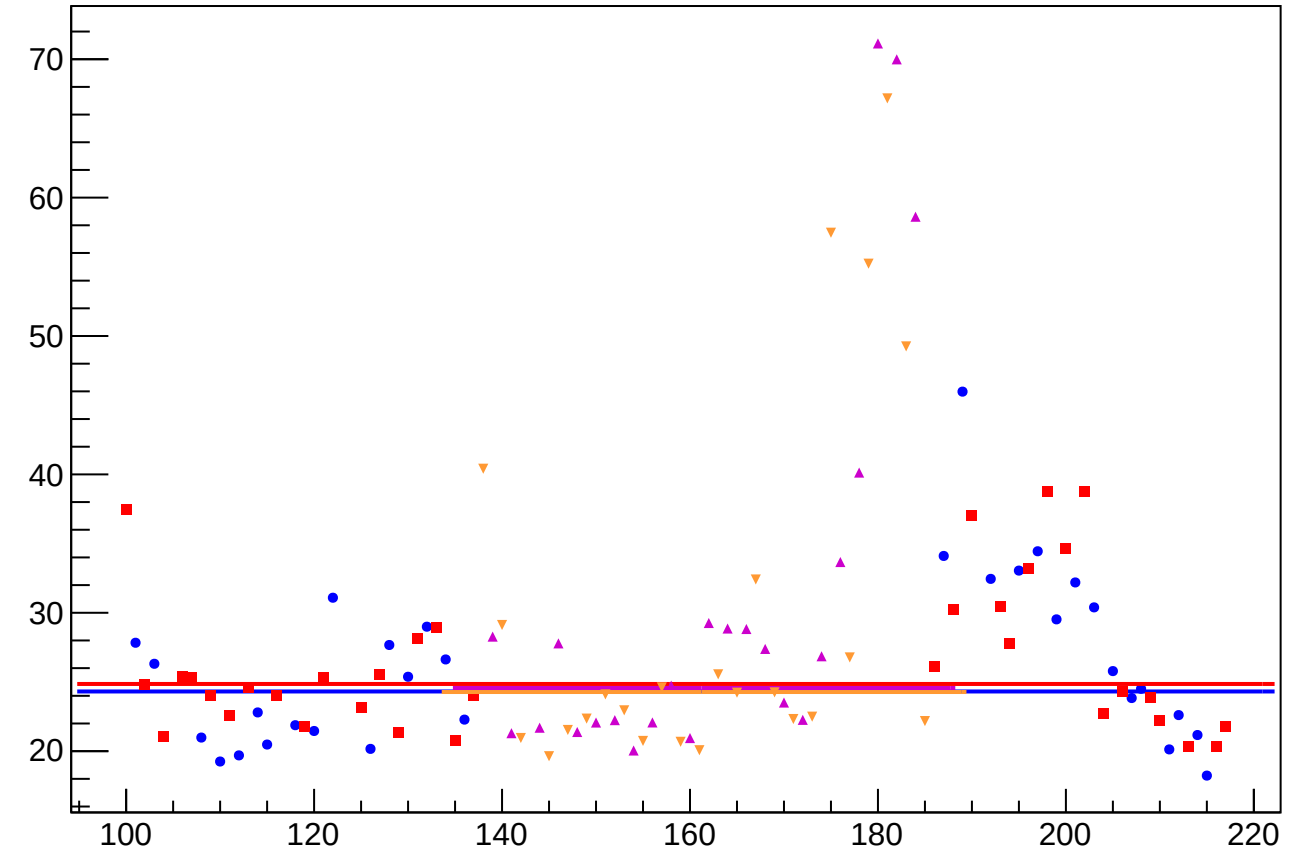
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.002+/-0.004 χ^2/NDF: 49.7/64

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.002+/-0.004 χ^2/NDF:41.3/57

All: -0.001+/-0.003 χ^2/NDF: 101.7/111



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: 24.856+/-0.004 χ^2/NDF: 1213418.1/33

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

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

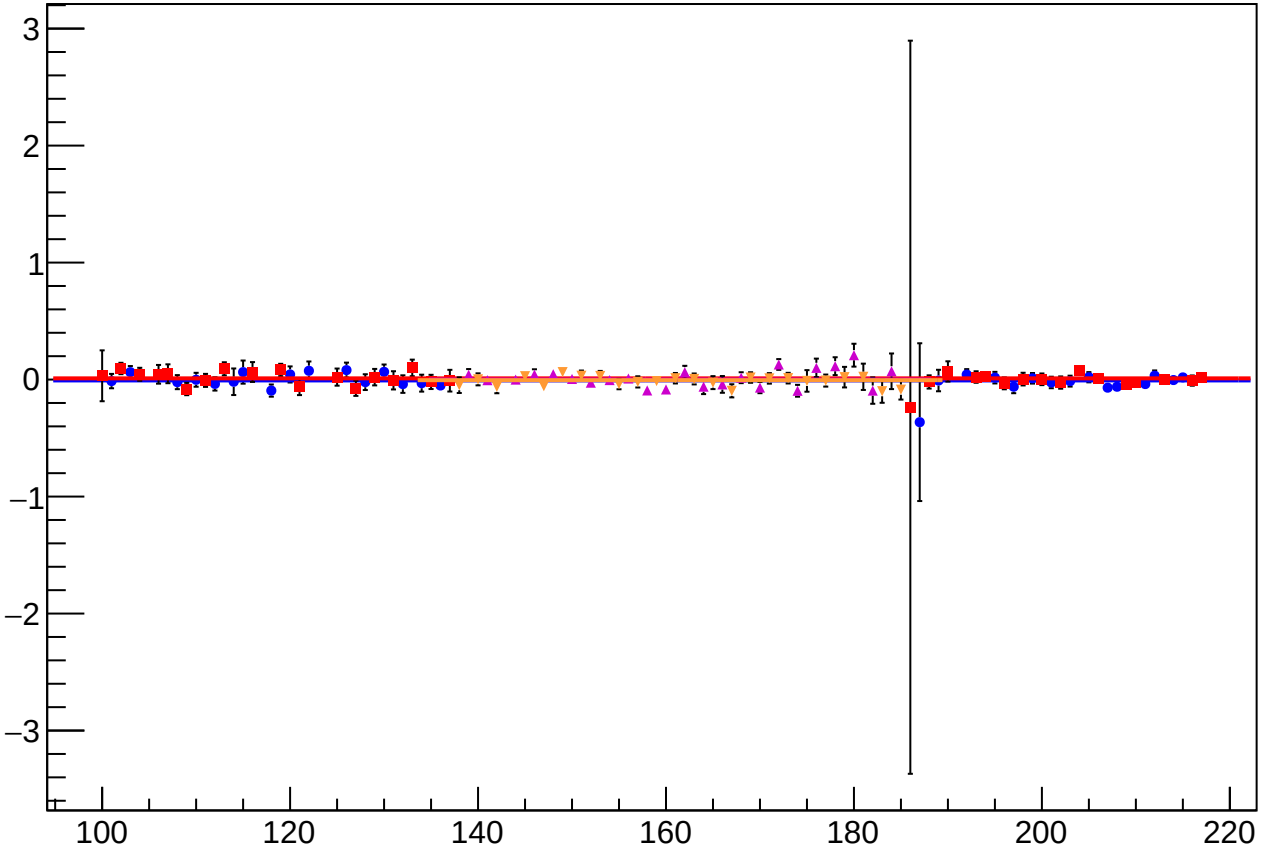
Right: 24.588+/-0.003 χ^2/NDF: 2565043.7/64

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

Out: 24.586+/-0.003 χ^2/NDF:3533122.6/57

All: 24.509+/-0.002 χ^2/NDF: 7012236.9/111

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+/-0.009 χ^2/NDF: 23.2/33

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

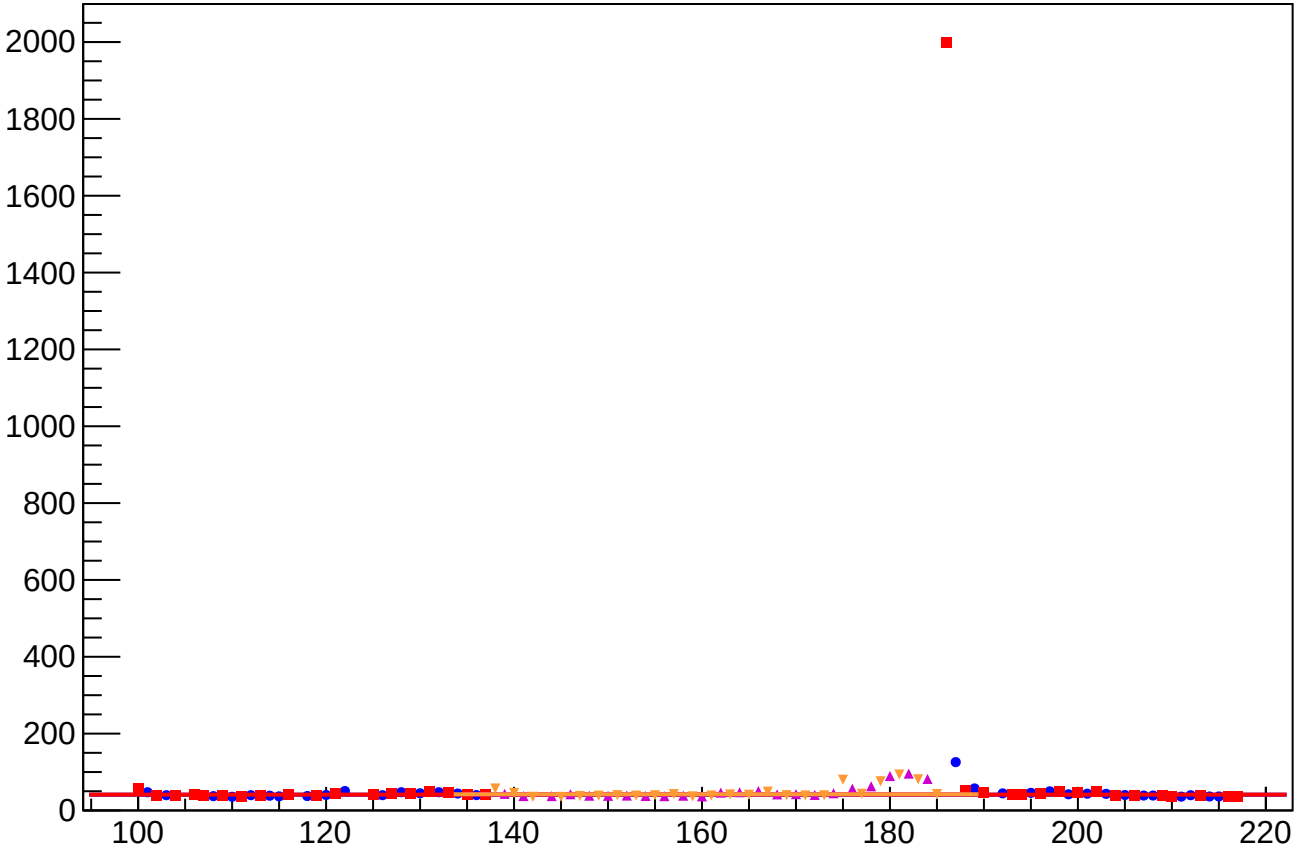
Right: 0.002+/-0.007 χ^2/NDF: 45.5/64

In: -0.004+/-0.007 χ^2/NDF:58.8/53

Out: 0.003+/-0.007 χ^2/NDF:38.3/57

All: -0.000+/-0.005 χ^2/NDF: 97.6/111

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 41.175+/-0.007 χ^2/NDF: 1161684.1/33

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

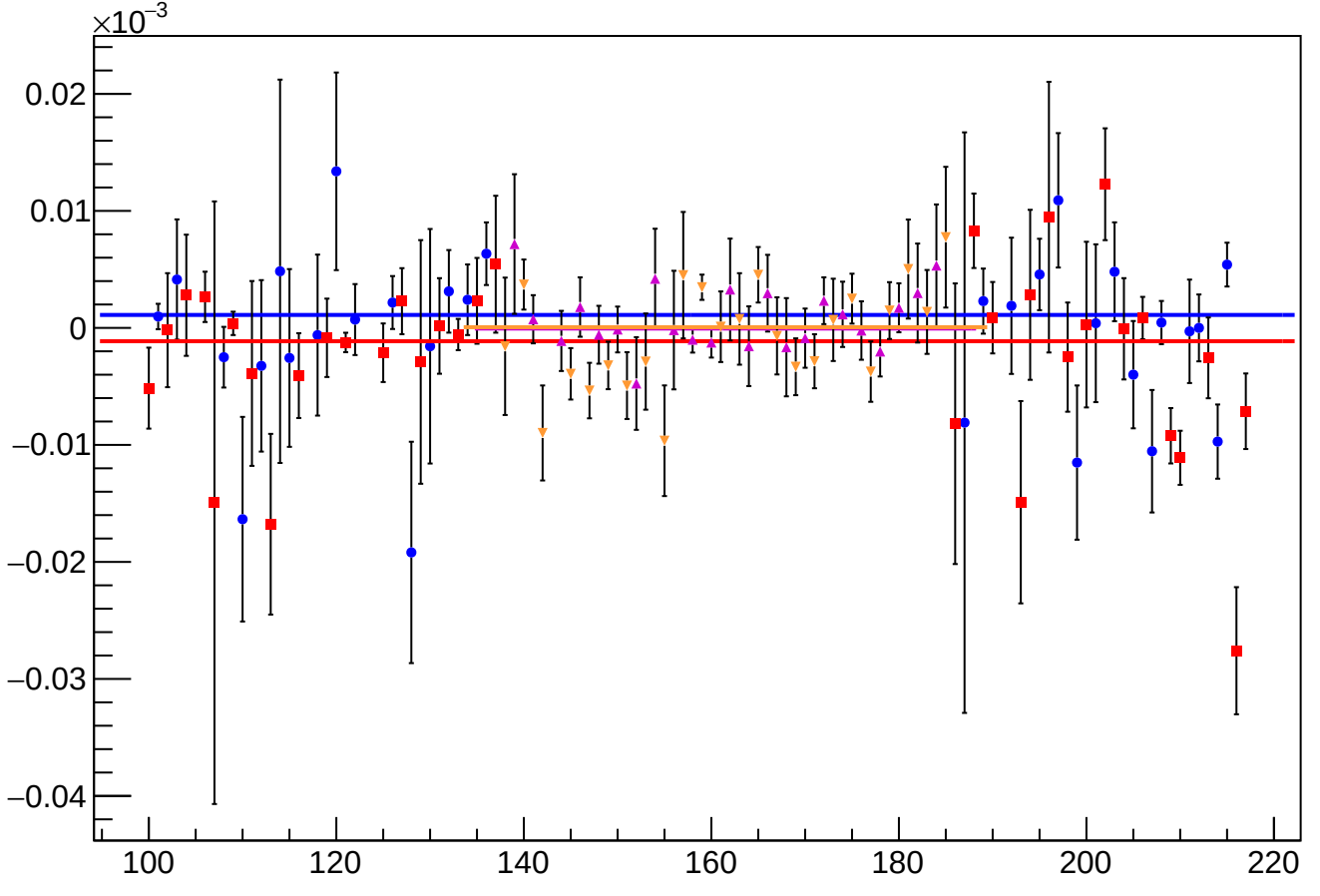
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.063+/-0.005 χ^2/NDF: 1582597.2/64

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

Out: 41.590+/-0.005 χ^2/NDF:2886152.7/57

All: 41.530+/-0.004 χ^2/NDF: 4863028.3/111



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

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

Right Out: -0.000+/-0.000 χ^2/NDF: 96.8/33

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

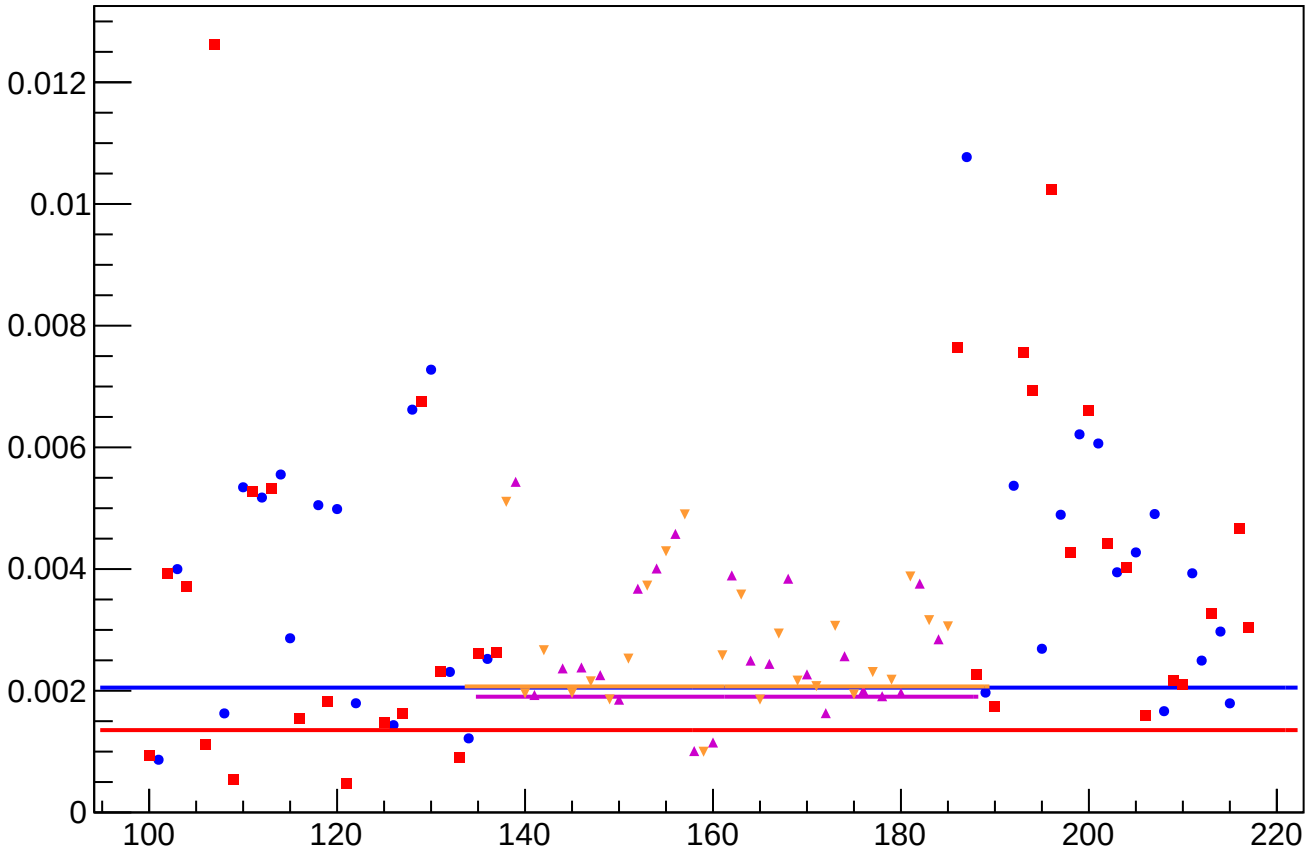
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 157.5/64

In: 0.000+/-0.000 χ^2/NDF:66.2/53

Out: -0.000+/-0.000 χ^2/NDF:151.5/57

All: -0.000+/-0.000 χ^2/NDF: 222.5/111



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: 17267879.1/33

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

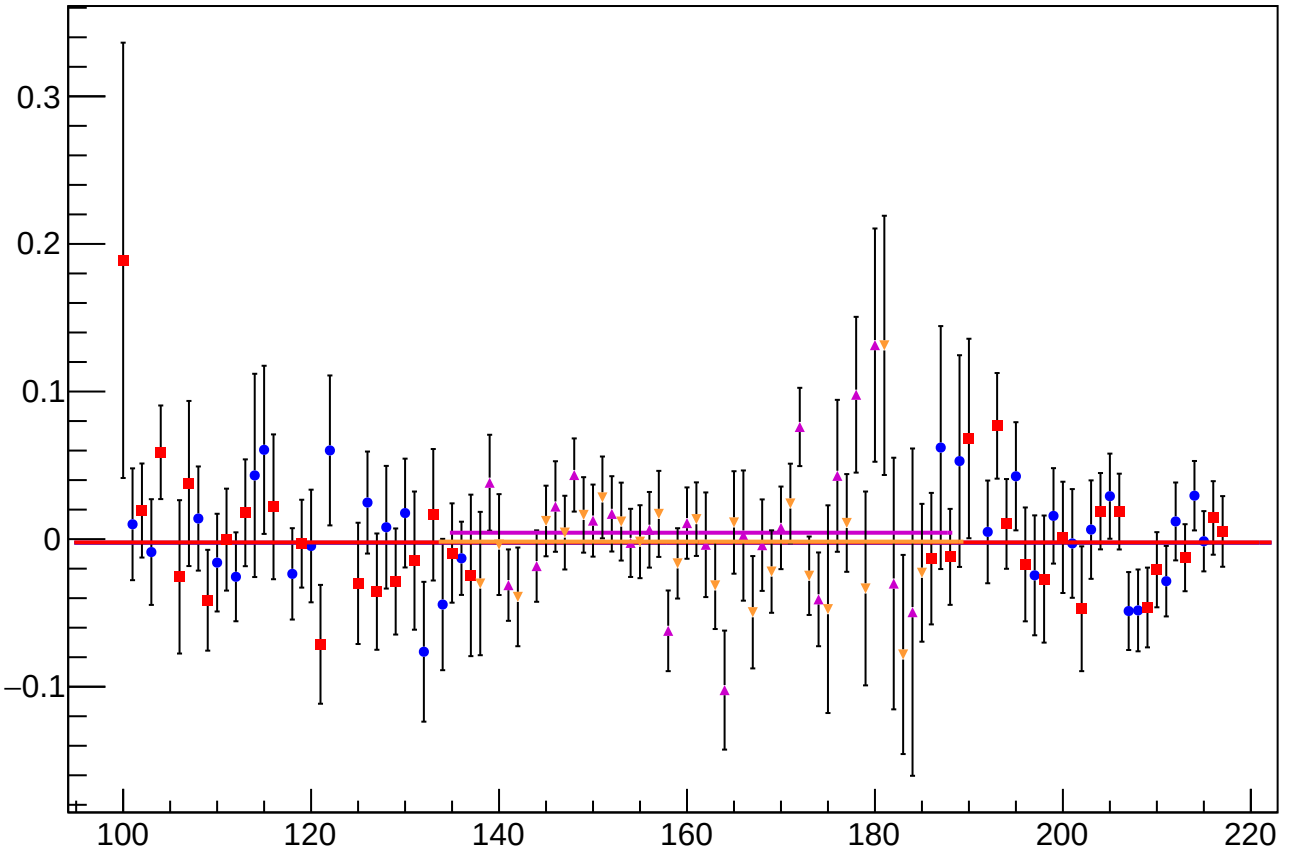
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 29840630.6/64

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

Out: 0.002+/-0.000 χ^2/NDF:24760244.4/57

All: 0.002+/-0.000 χ^2/NDF: 42263944.4/111



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: -0.002+/-0.006 χ^2/NDF: 26.7/33

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

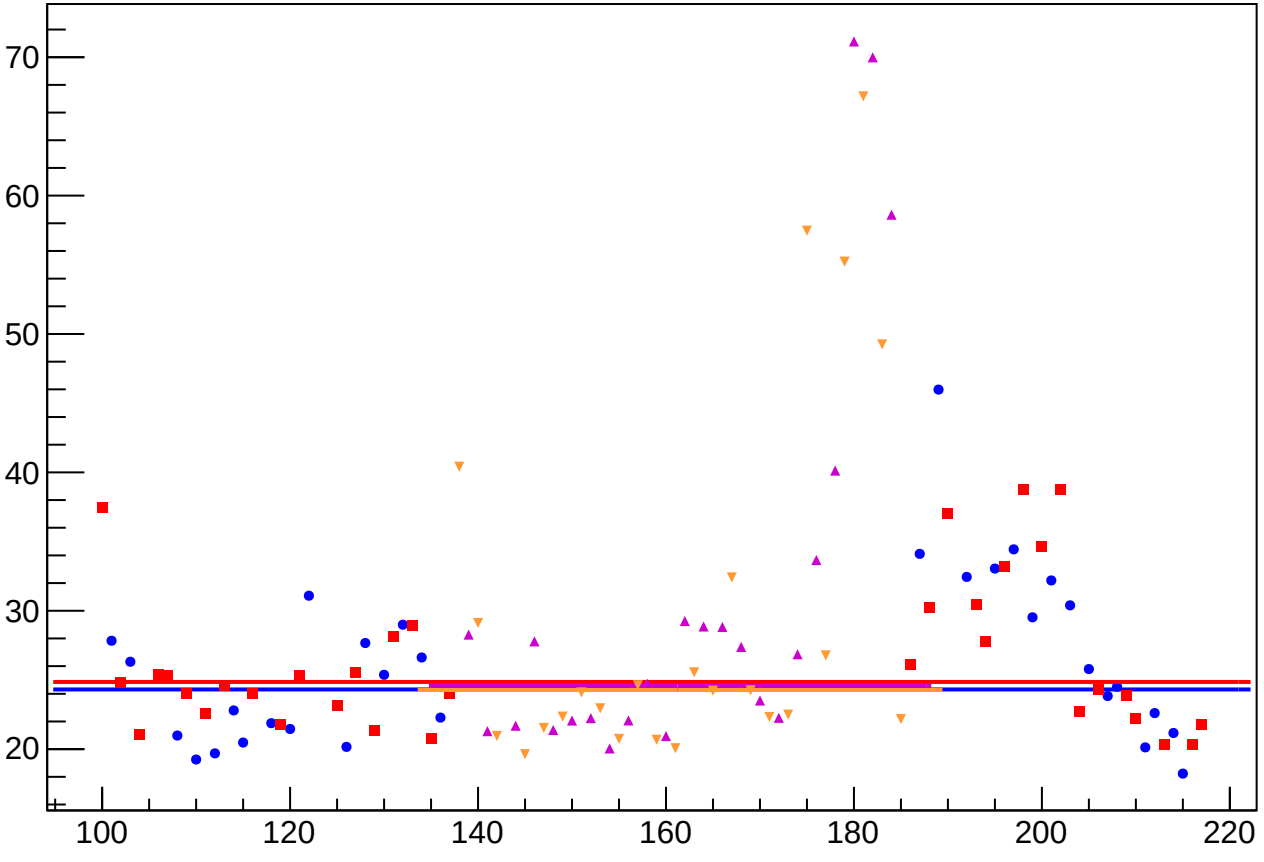
Right: -0.002+/-0.004 χ^2/NDF: 49.7/64

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.002+/-0.004 χ^2/NDF:41.3/57

All: -0.001+/-0.003 χ^2/NDF: 101.7/111

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 24.856+/-0.004 χ^2/NDF: 1213386.1/33

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

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

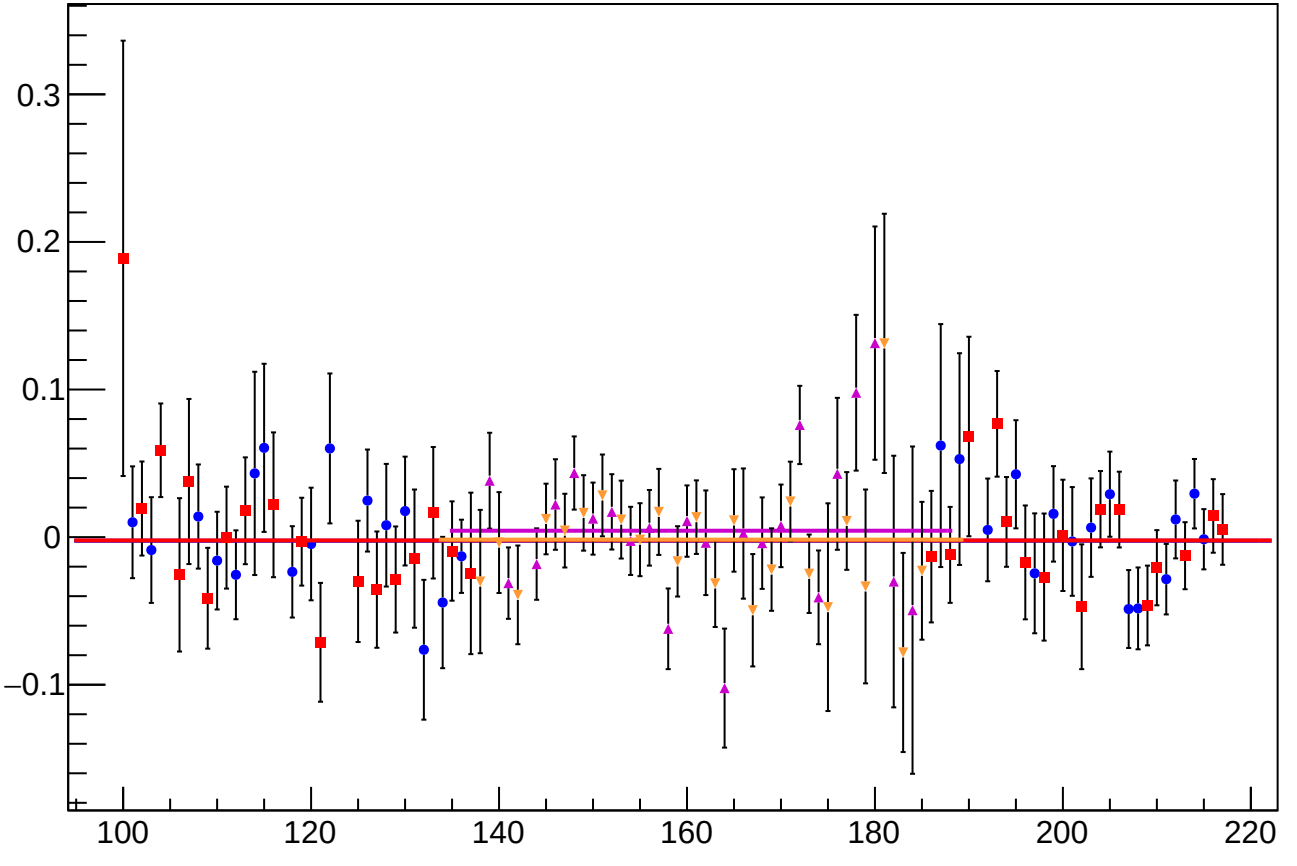
Right: 24.588+/-0.003 χ^2/NDF: 2565008.3/64

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

Out: 24.587+/-0.003 χ^2/NDF:3533098.7/57

All: 24.509+/-0.002 χ^2/NDF: 7012070.5/111

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.002+/-0.006 χ^2/NDF: 26.7/33

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

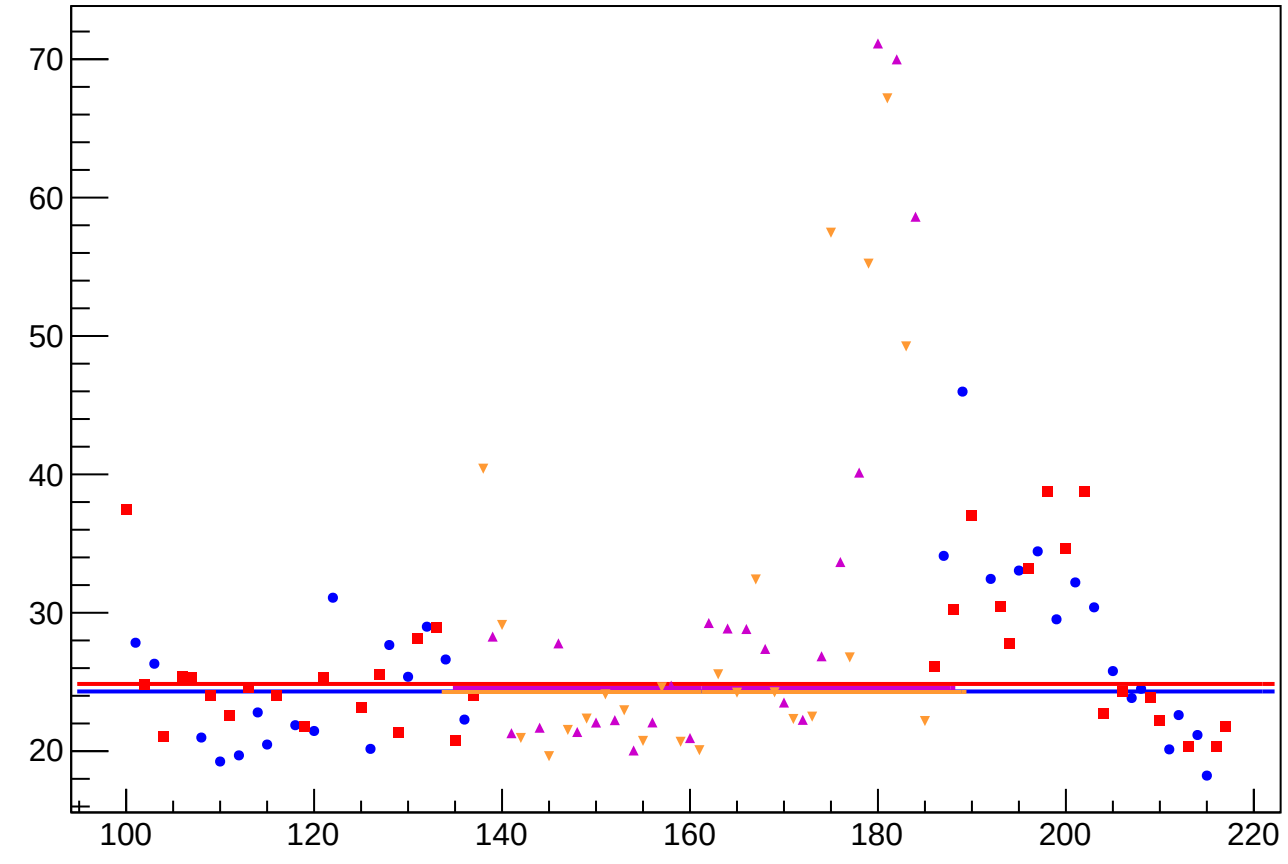
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.002+/-0.004 χ^2/NDF: 49.7/64

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.002+/-0.004 χ^2/NDF:41.3/57

All: -0.001+/-0.003 χ^2/NDF: 101.7/111



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: 24.856+/-0.004 χ^2/NDF: 1213386.1/33

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

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

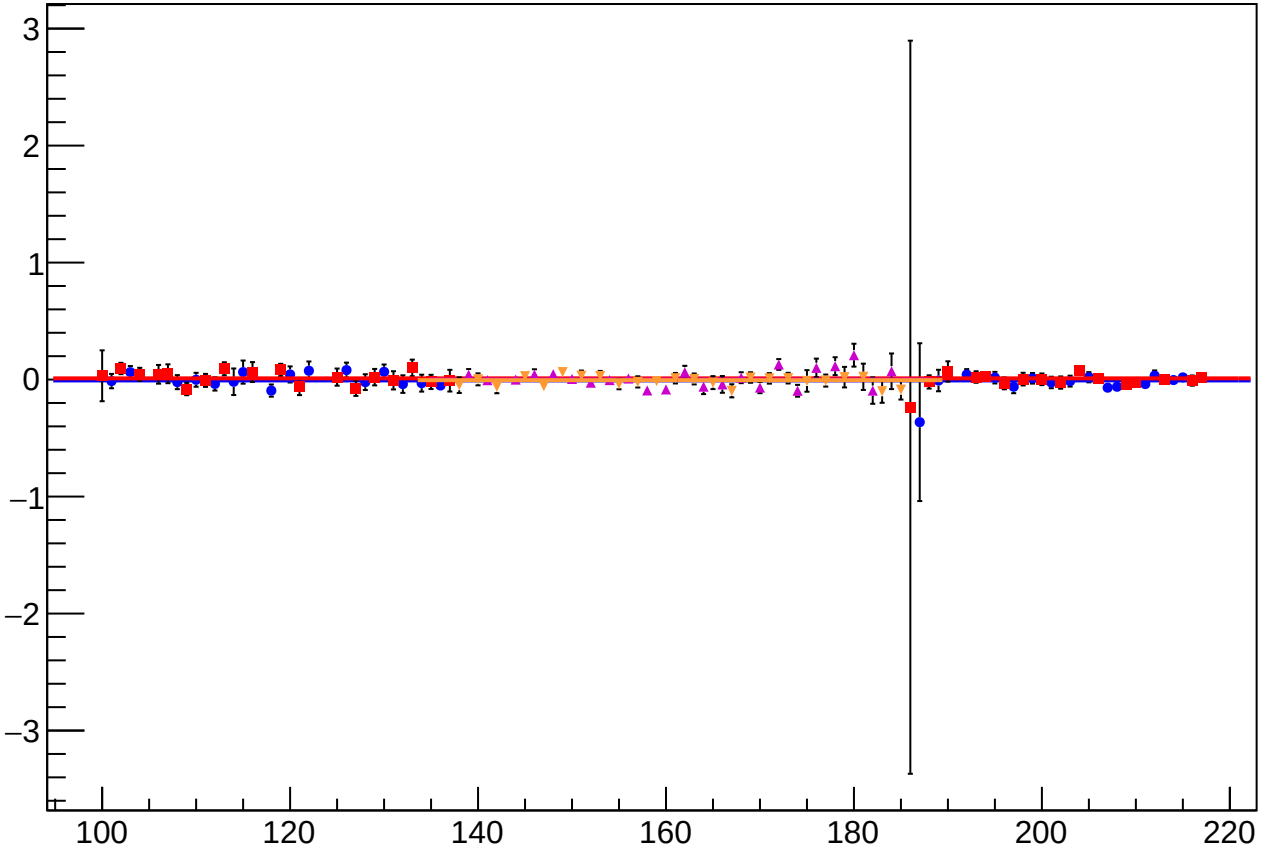
Right: 24.588+/-0.003 χ^2/NDF: 2565008.3/64

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

Out: 24.587+/-0.003 χ^2/NDF:3533098.7/57

All: 24.509+/-0.002 χ^2/NDF: 7012070.5/111

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+/-0.009 χ^2/NDF: 23.2/33

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

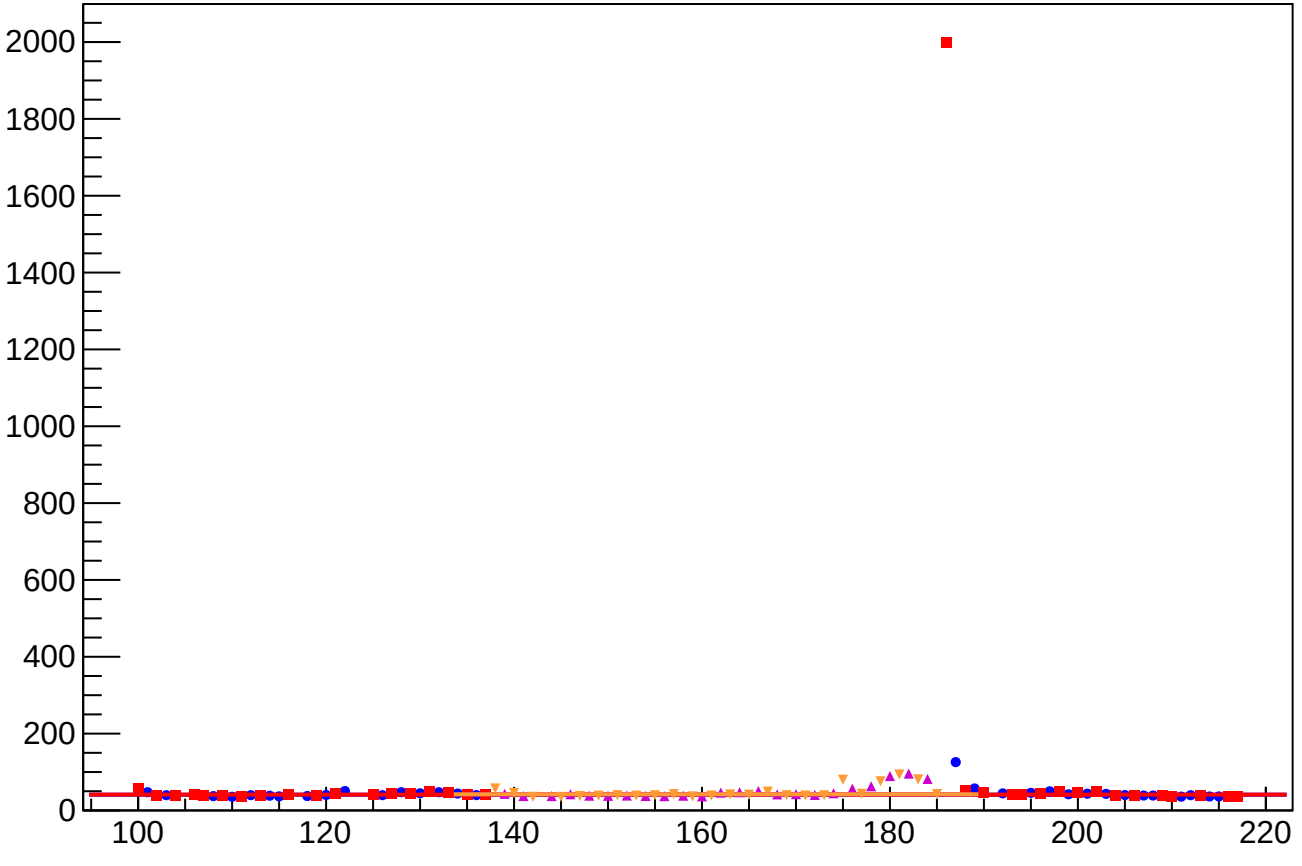
Right: 0.002+/-0.007 χ^2/NDF: 45.5/64

In: -0.004+/-0.007 χ^2/NDF:58.8/53

Out: 0.003+/-0.007 χ^2/NDF:38.3/57

All: -0.000+/-0.005 χ^2/NDF: 97.6/111

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: 41.175+/-0.007 χ^2/NDF: 1161682.1/33

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

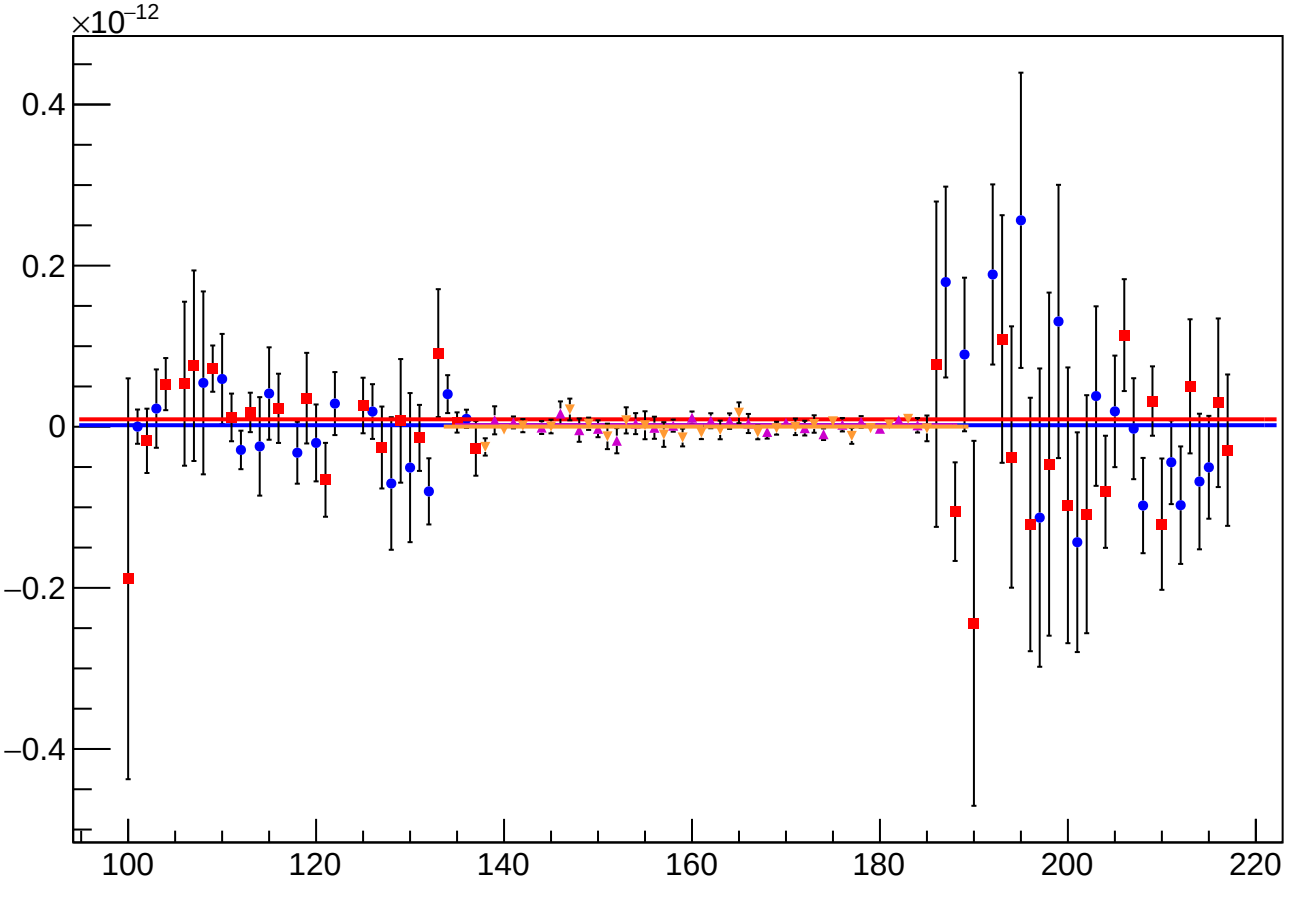
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.063+/-0.005 χ^2/NDF: 1582539.4/64

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

Out: 41.590+/-0.005 χ^2/NDF:2886142.0/57

All: 41.530+/-0.004 χ^2/NDF: 4862940.3/111



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/33

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

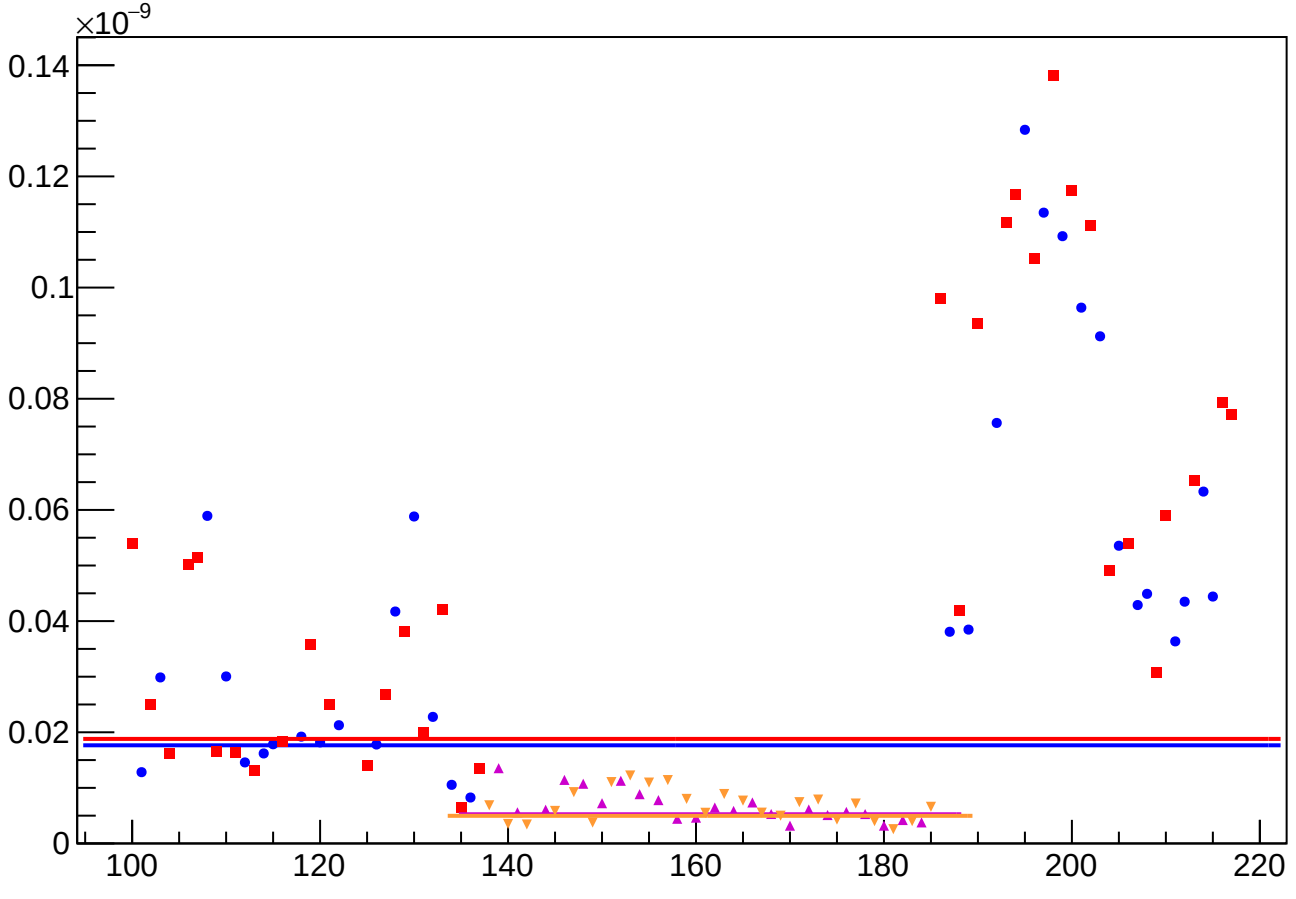
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 60.2/64

In: 0.000+/-0.000 χ^2/NDF:42.4/53

Out: 0.000+/-0.000 χ^2/NDF:51.7/57

All: 0.000+/-0.000 χ^2/NDF: 94.4/111



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: 11707637.3/33

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

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

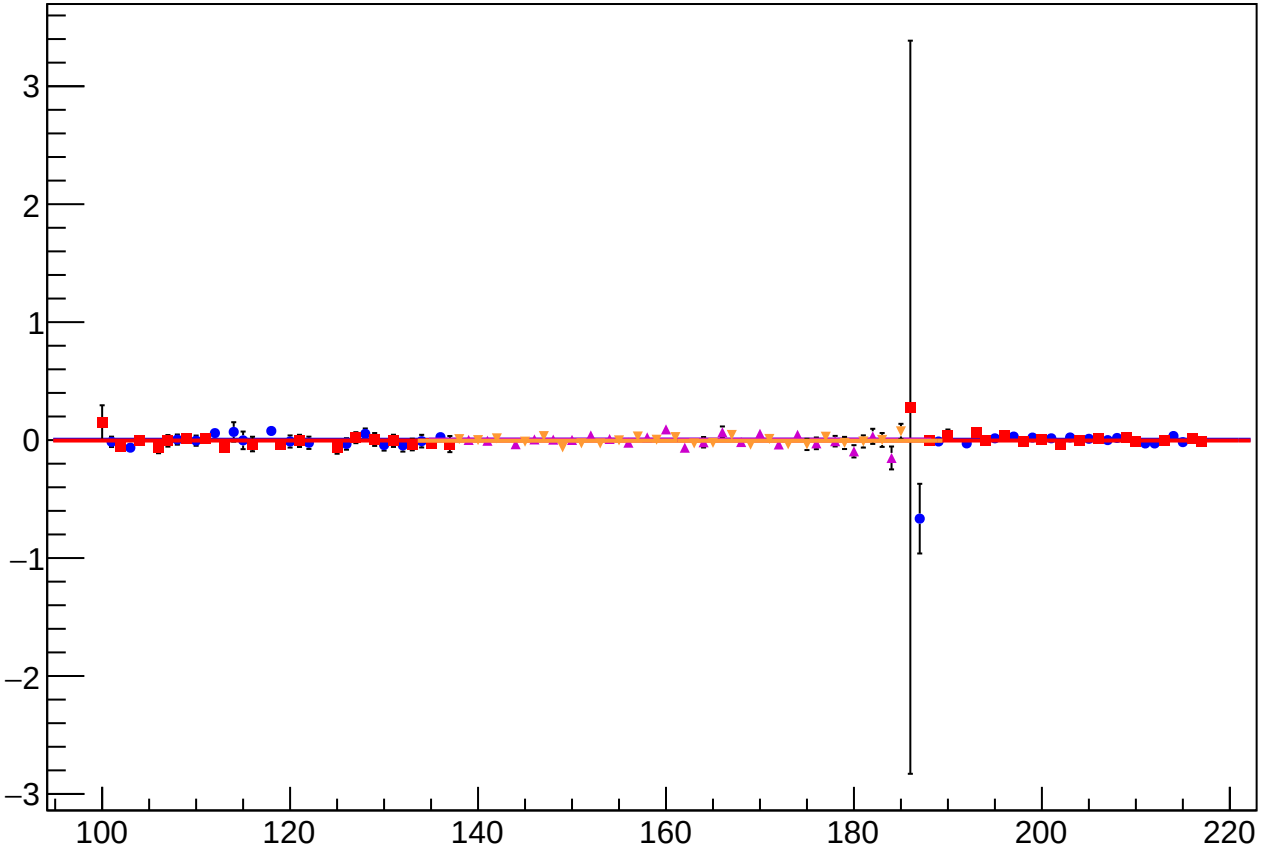
Right: 0.000+/-0.000 χ^2/NDF: 21339294.3/64

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

Out: 0.000+/-0.000 χ^2/NDF:21968636.4/57

All: 0.000+/-0.000 χ^2/NDF: 40190551.1/111

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.004+/-0.006 χ^2/NDF: 24.0/33

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

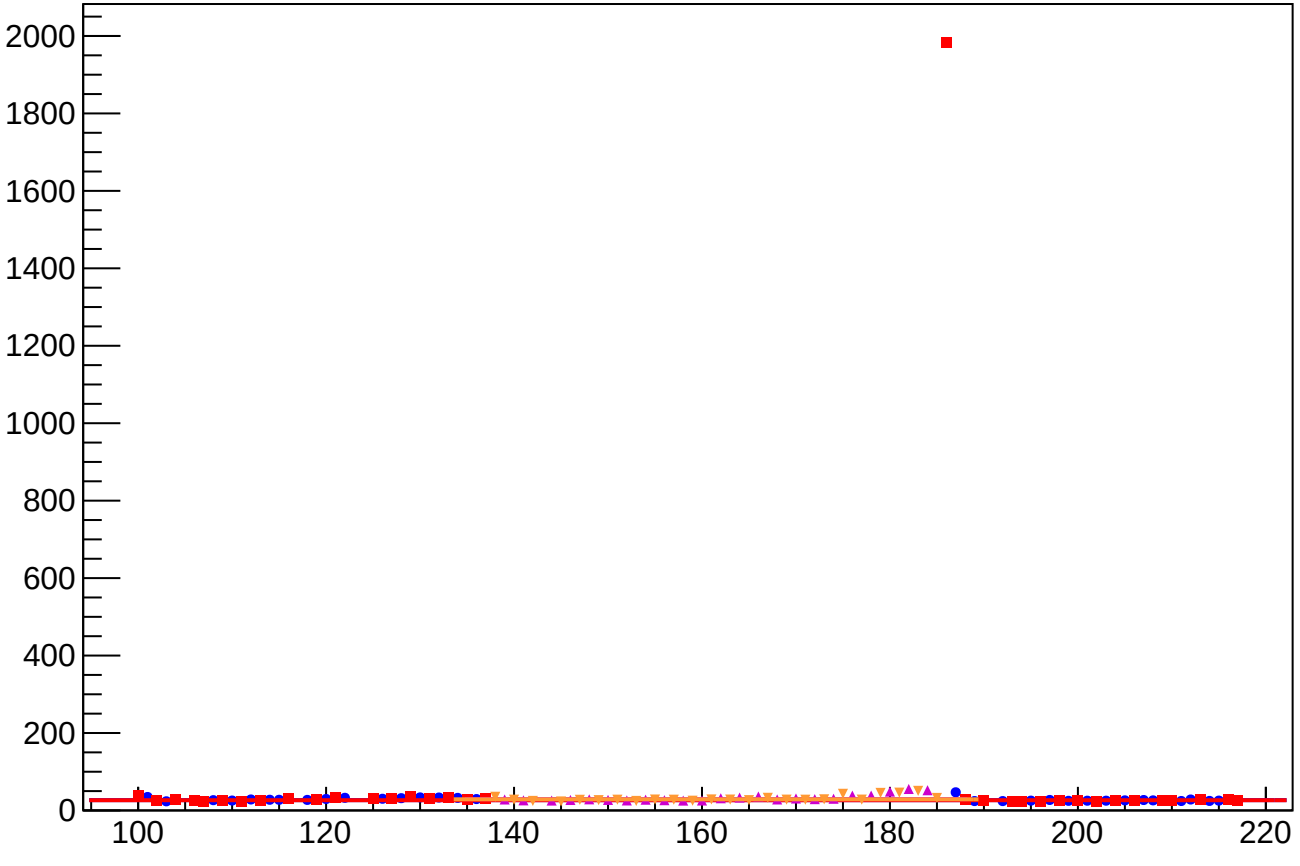
Right: -0.000+/-0.004 χ^2/NDF: 53.1/64

In: 0.003+/-0.005 χ^2/NDF:59.8/53

Out: -0.004+/-0.005 χ^2/NDF:40.7/57

All: -0.001+/-0.003 χ^2/NDF: 101.9/111

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: 26.454+/-0.004 χ^2/NDF: 1118550.8/33

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

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

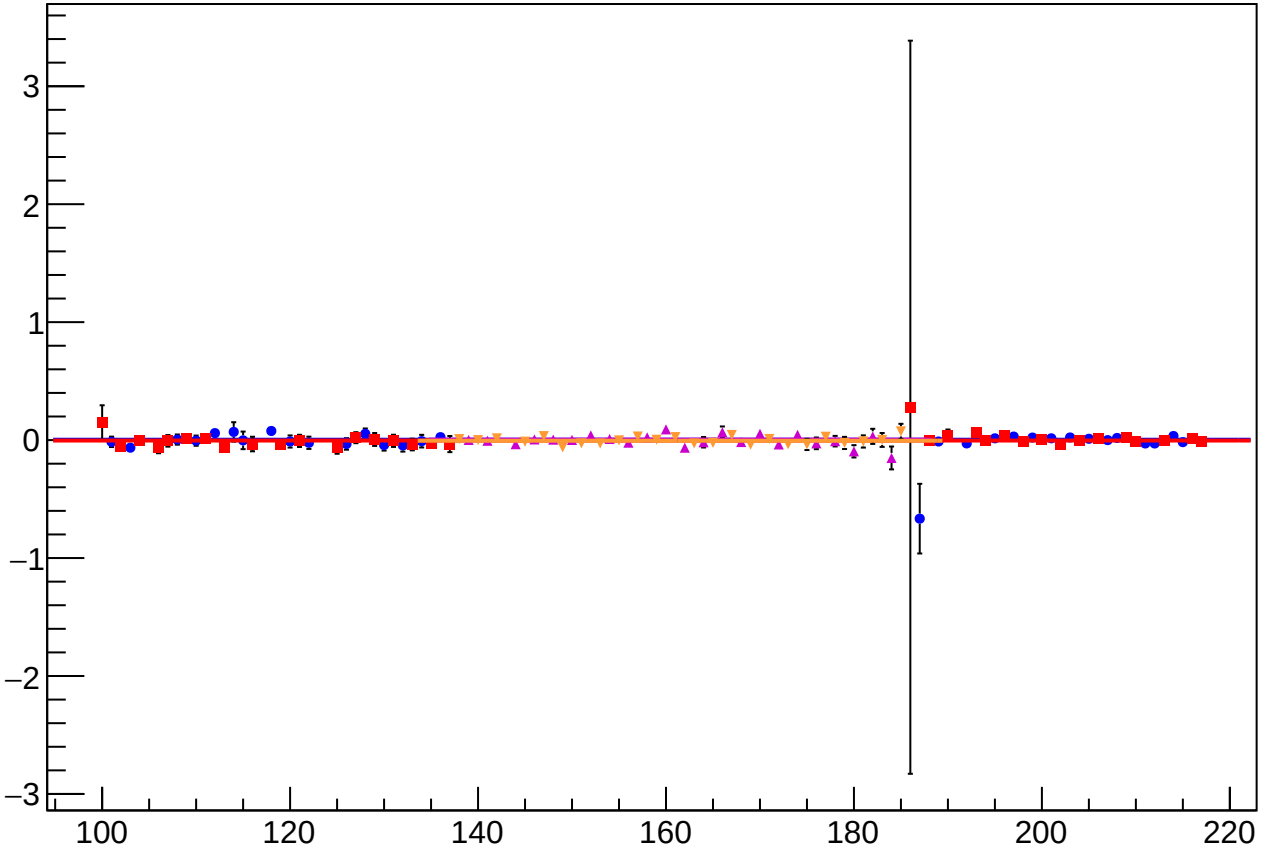
Right: 26.571+/-0.003 χ^2/NDF: 1487591.6/64

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

Out: 27.467+/-0.003 χ^2/NDF:2411861.6/57

All: 27.640+/-0.002 χ^2/NDF: 4067905.4/111

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: -0.004+/-0.006 χ^2/NDF: 24.0/33

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

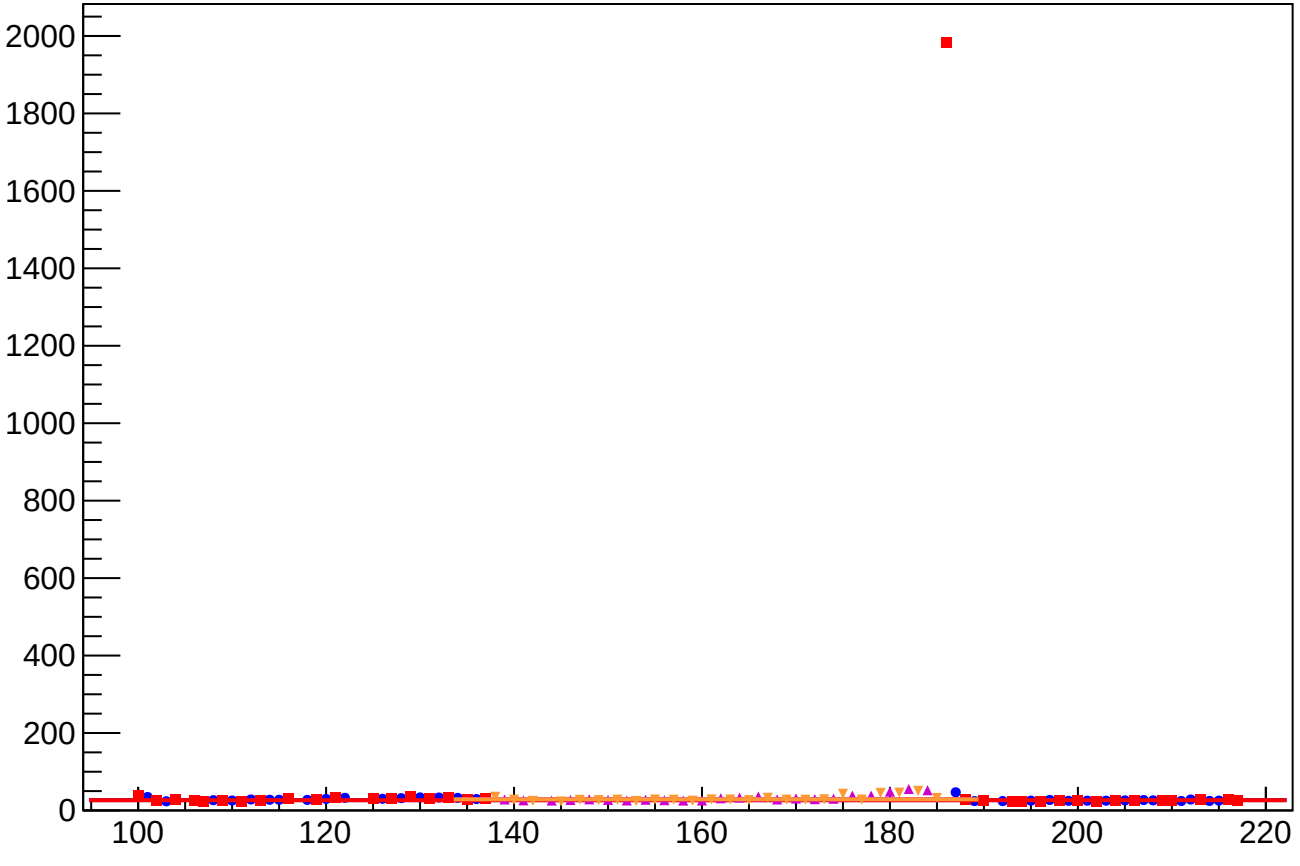
Right: -0.000+/-0.004 χ^2/NDF: 53.1/64

In: 0.003+/-0.005 χ^2/NDF:59.8/53

Out: -0.004+/-0.005 χ^2/NDF:40.7/57

All: -0.001+/-0.003 χ^2/NDF: 101.9/111

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: 26.454+/-0.004 χ^2/NDF: 1118550.8/33

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

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

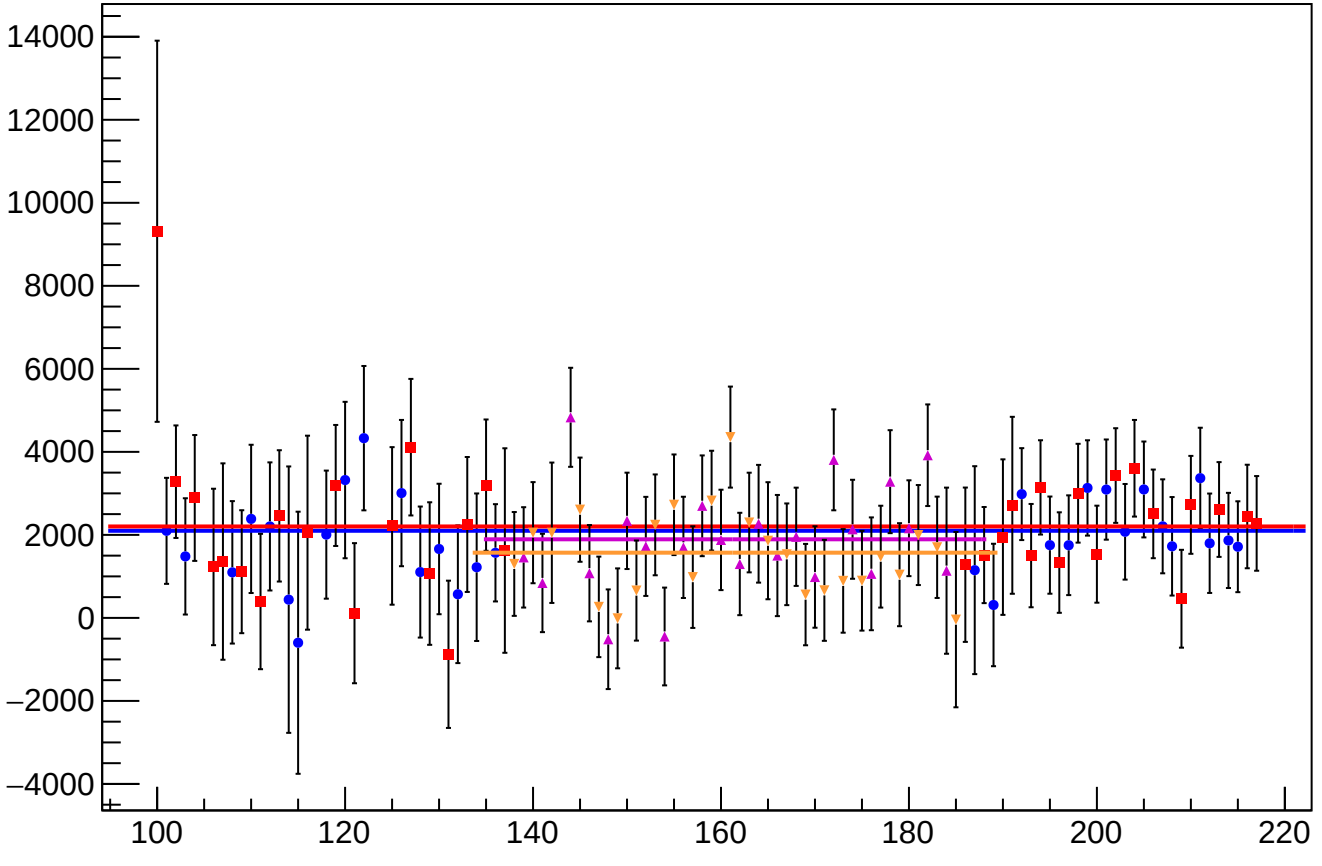
Right: 26.571+/-0.003 χ^2/NDF: 1487591.6/64

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

Out: 27.467+/-0.003 χ^2/NDF:2411861.6/57

All: 27.640+/-0.002 χ^2/NDF: 4067905.4/111

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: 2202.815+/-242.143 χ^2/NDF: 20.9/34

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

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

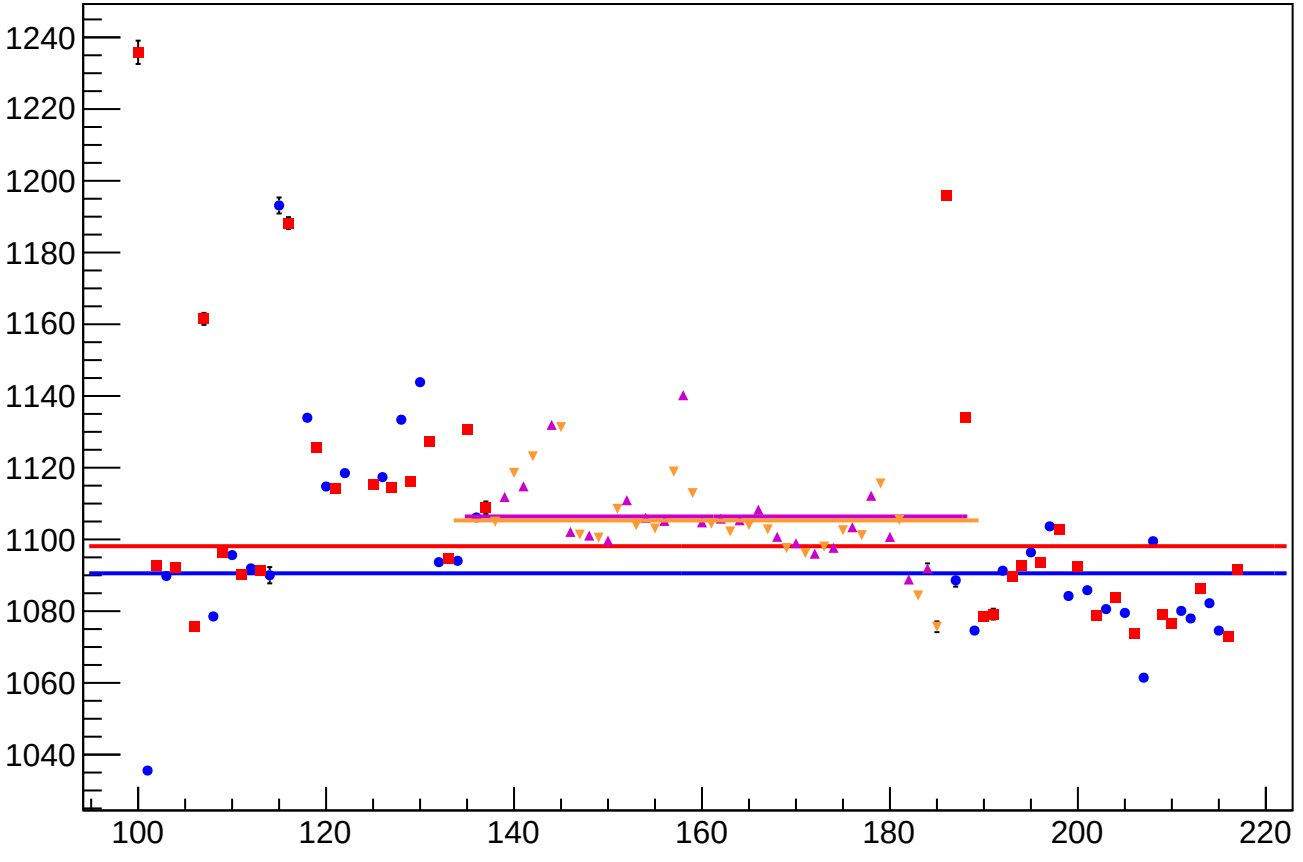
Right: 2152.176+/-173.328 χ^2/NDF: 32.7/65

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

Out: 1905.155+/-176.089 χ^2/NDF:39.5/58

All: 1951.932+/-125.526 χ^2/NDF: 75.8/112

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: 1098.114+/-0.171 χ^2/NDF: 21850.0/34

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

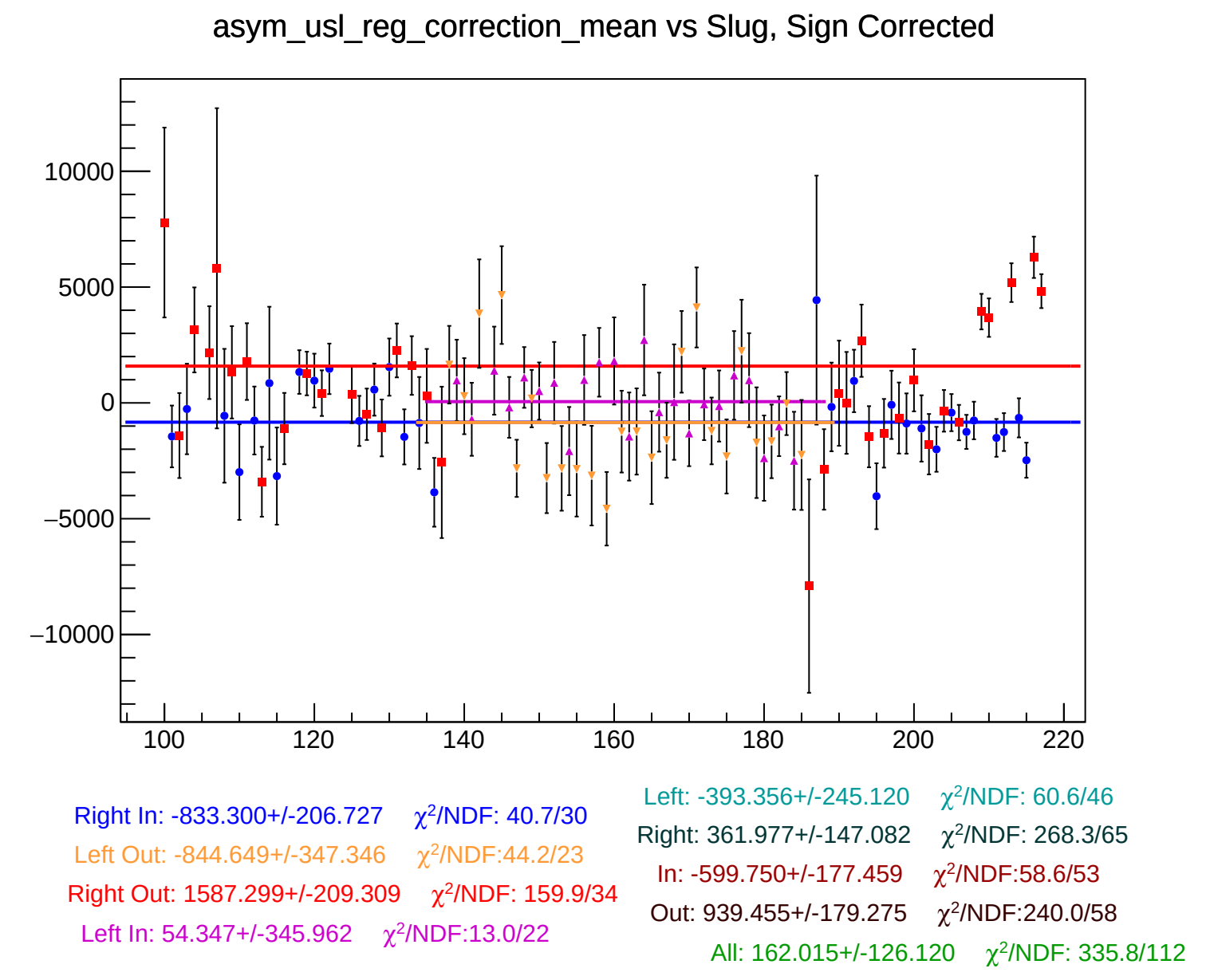
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.427+/-0.123 χ^2/NDF: 39053.8/65

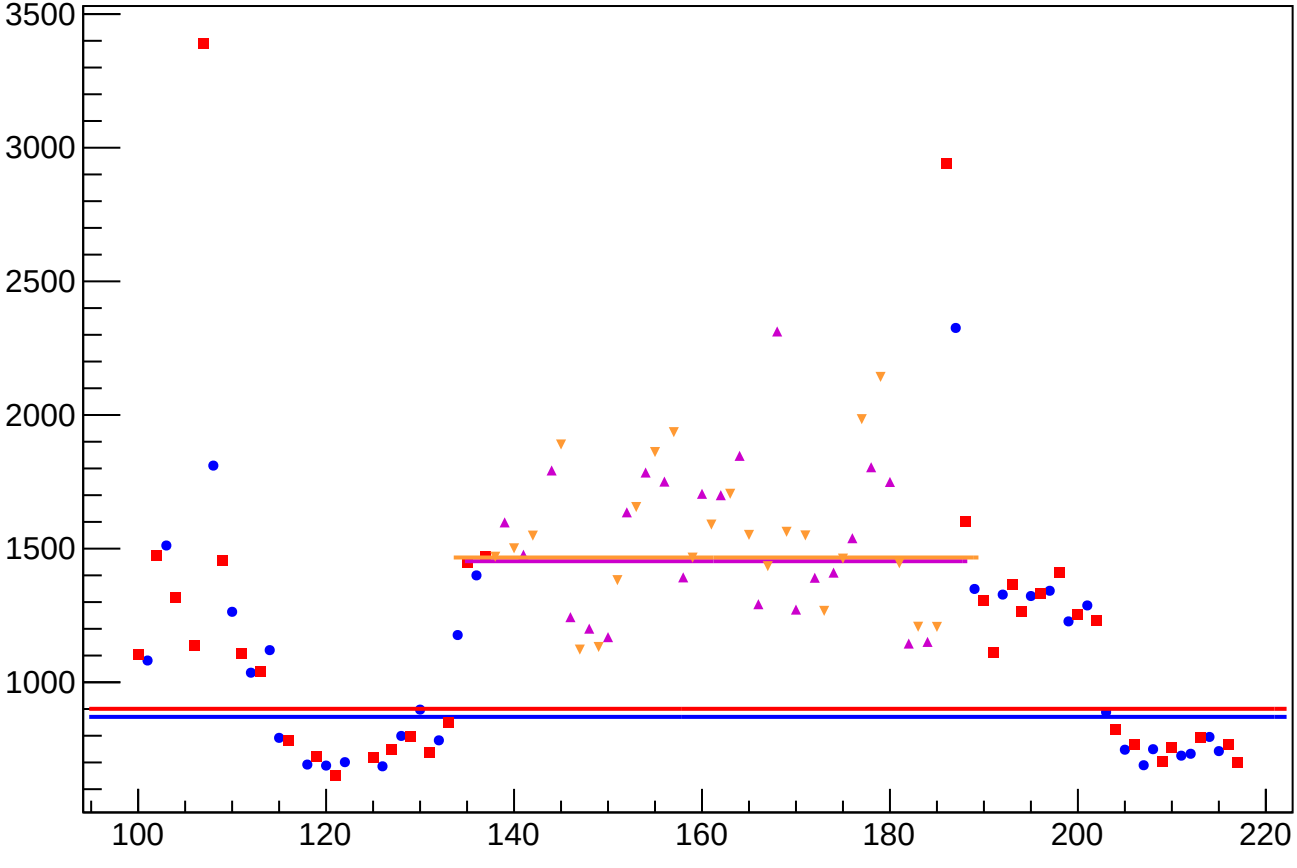
In: 1098.163+/-0.127 χ^2/NDF:23944.8/53

Out: 1101.497+/-0.125 χ^2/NDF:25840.5/58

All: 1099.857+/-0.089 χ^2/NDF: 50137.9/112


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: 1587.299+/-209.309 χ²/NDF: 159.9/34
Left In: 54.347+/-345.962 χ²/NDF:13.0/22
Left: -393.356+/-245.120 χ²/NDF: 60.6/46
Right: 361.977+/-147.082 χ²/NDF: 268.3/65
In: -599.750+/-177.459 χ²/NDF:58.6/53
Out: 939.455+/-179.275 χ²/NDF:240.0/58
All: 162.015+/-126.120 χ²/NDF: 335.8/112

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: 900.687+/-0.148 χ^2/NDF: 3632167.8/34

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

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

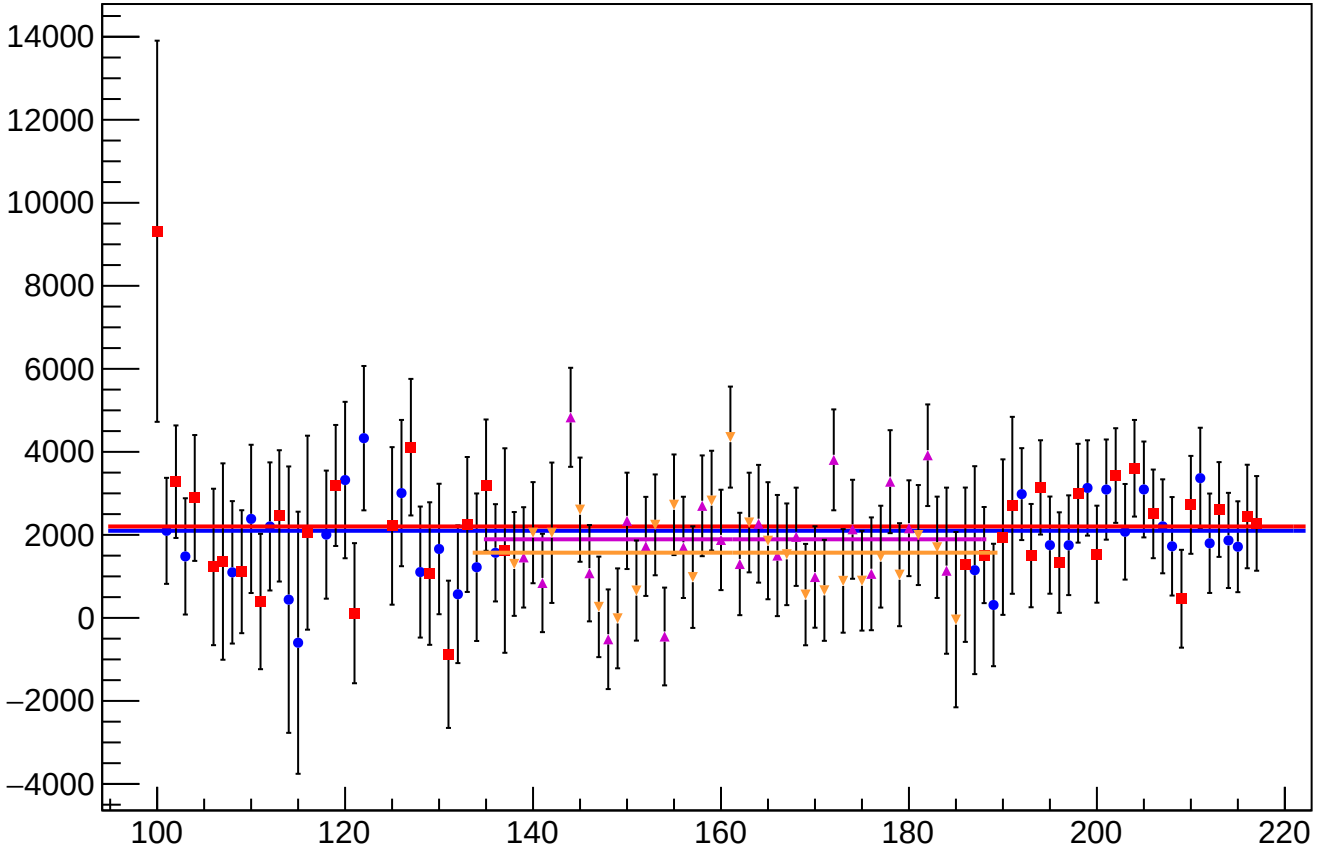
Right: 885.406+/-0.104 χ^2/NDF: 6427597.5/65

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

Out: 1051.506+/-0.127 χ^2/NDF:8573515.7/58

All: 1037.490+/-0.089 χ^2/NDF: 16679403.0/1

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: 2202.809+/-242.143 χ^2/NDF: 20.9/34

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

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

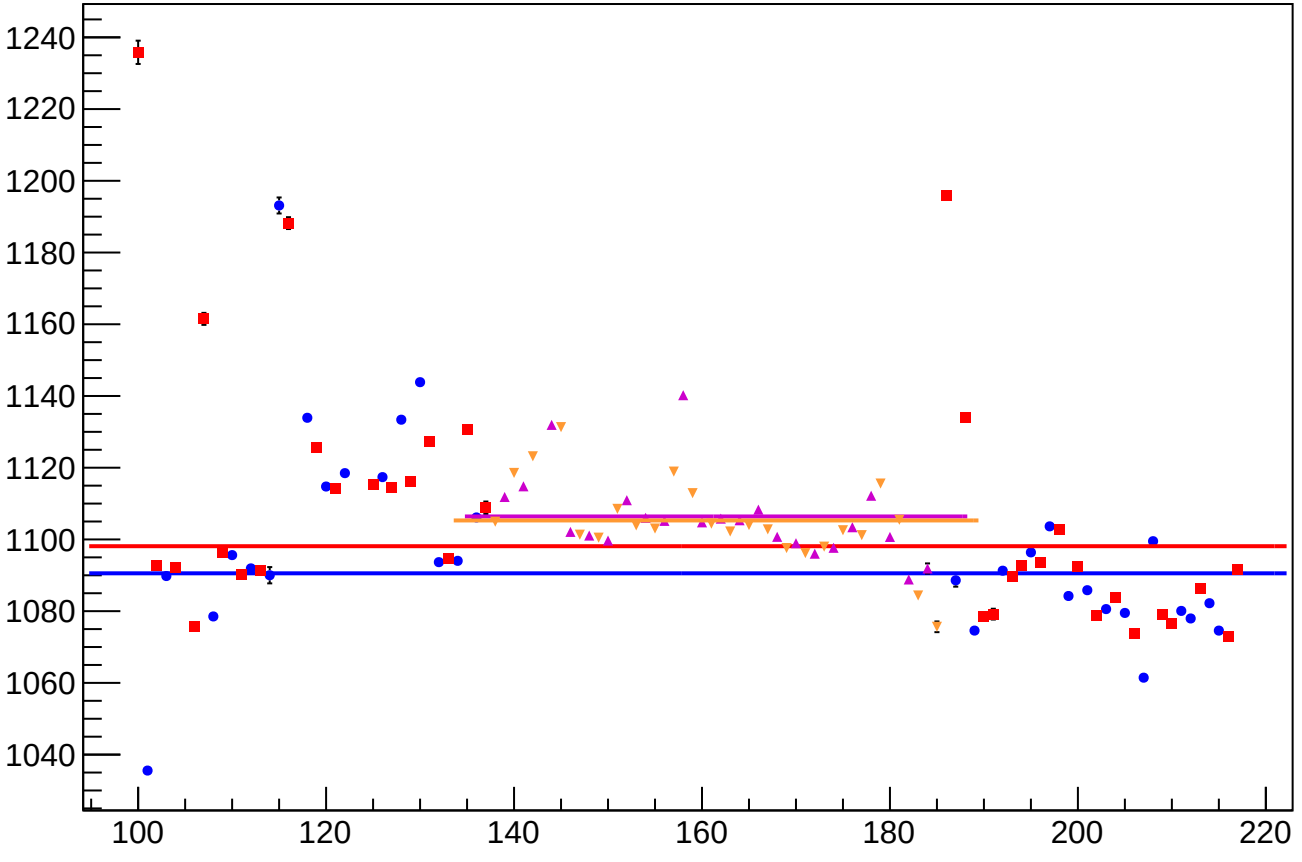
Right: 2152.173+/-173.328 χ^2/NDF: 32.7/65

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

Out: 1905.151+/-176.089 χ^2/NDF:39.5/58

All: 1951.931+/-125.526 χ^2/NDF: 75.8/112

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: 1098.114+/-0.171 χ^2/NDF: 21850.0/34

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

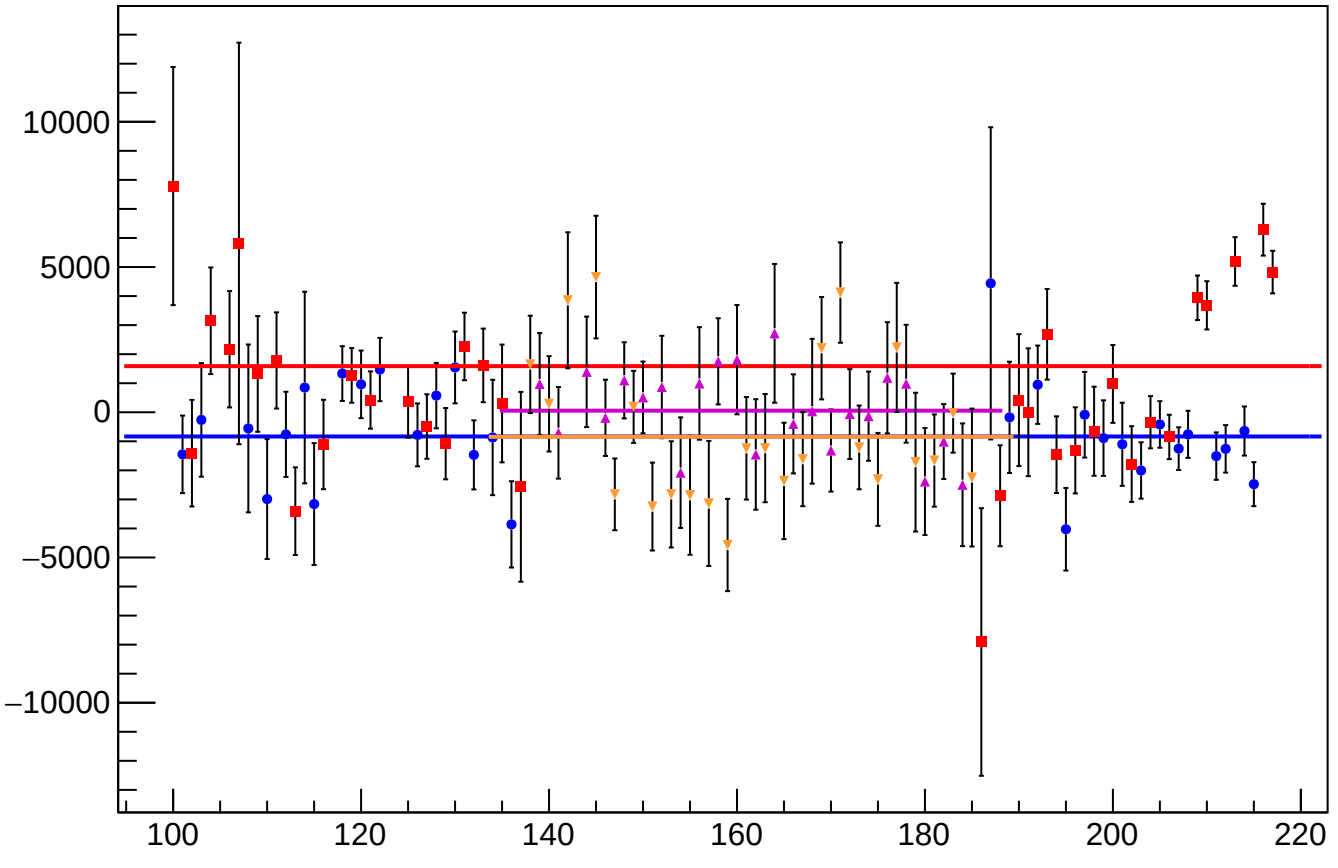
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.427+/-0.123 χ^2/NDF: 39053.8/65

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

Out: 1101.497+/-0.125 χ^2/NDF:25840.5/58

All: 1099.857+/-0.089 χ^2/NDF: 50137.9/112



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: 1587.298+/-209.309 χ^2/NDF: 159.9/34

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

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

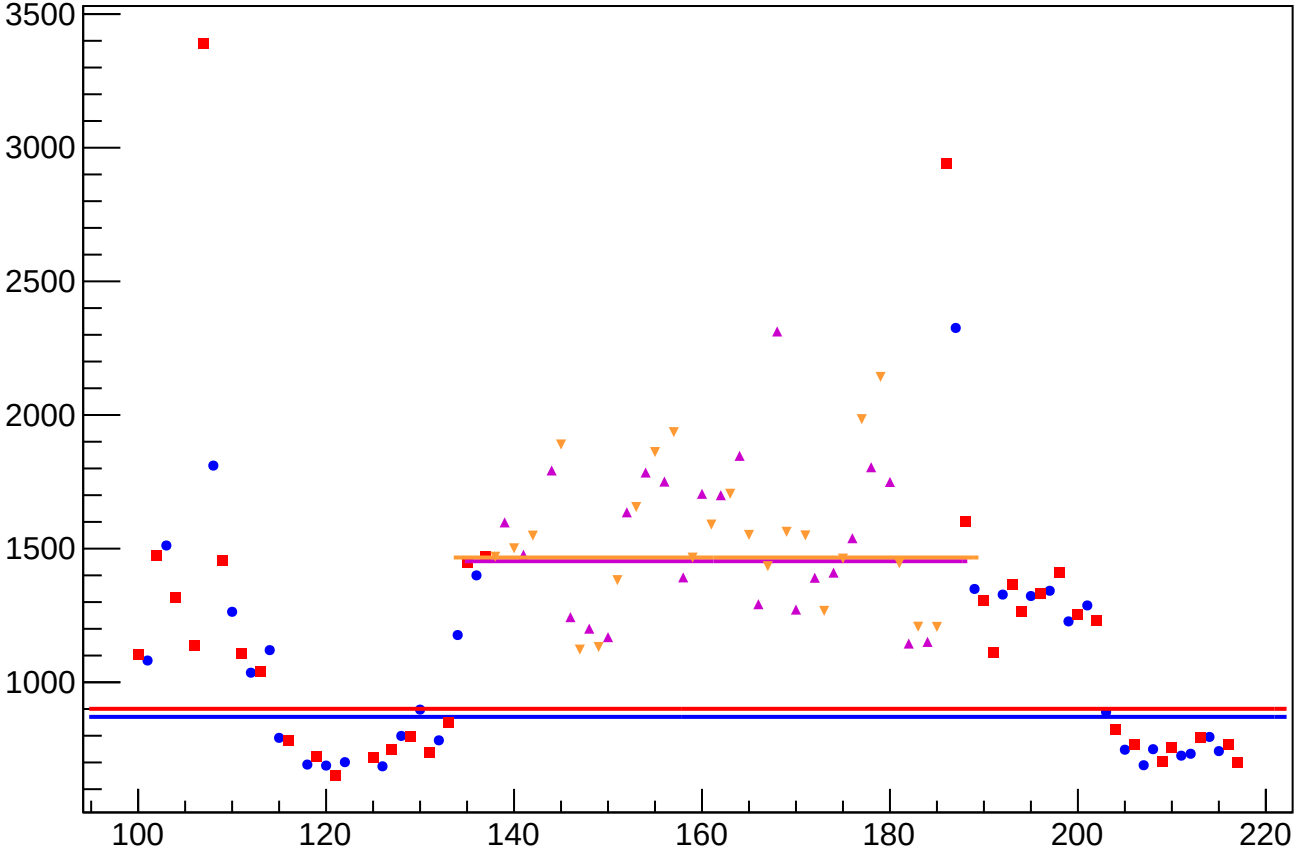
Right: 361.977+/-147.082 χ^2/NDF: 268.3/65

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

Out: 939.454+/-179.275 χ^2/NDF:240.0/58

All: 162.015+/-126.120 χ^2/NDF: 335.8/112

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: 900.687+/-0.148 χ^2/NDF: 3632166.0/34

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

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

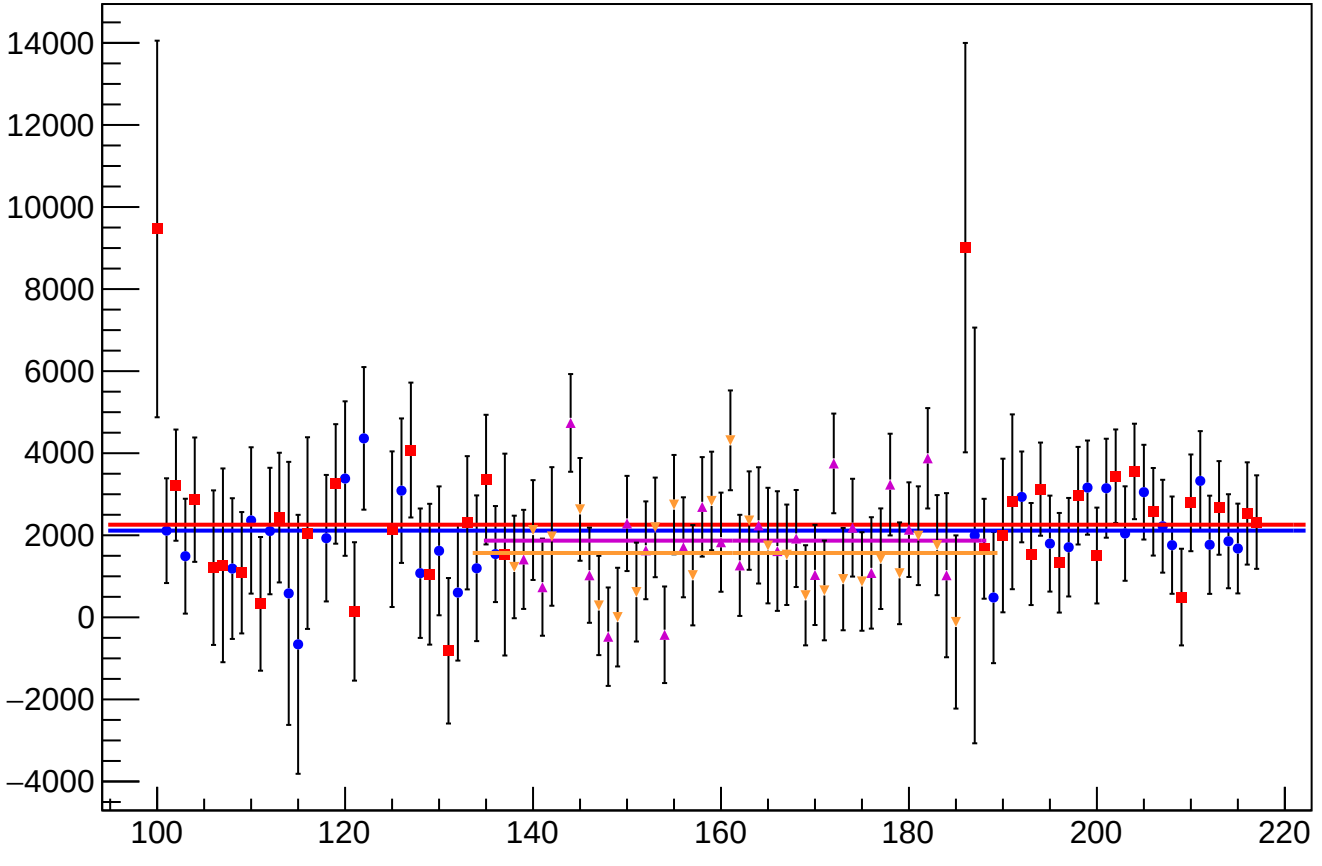
Right: 885.406+/-0.104 χ^2/NDF: 6427595.6/65

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

Out: 1051.506+/-0.127 χ^2/NDF:8573515.0/58

All: 1037.490+/-0.089 χ^2/NDF: 16679402.2/1

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: 2257.880+/-244.322 χ^2/NDF: 22.5/34

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

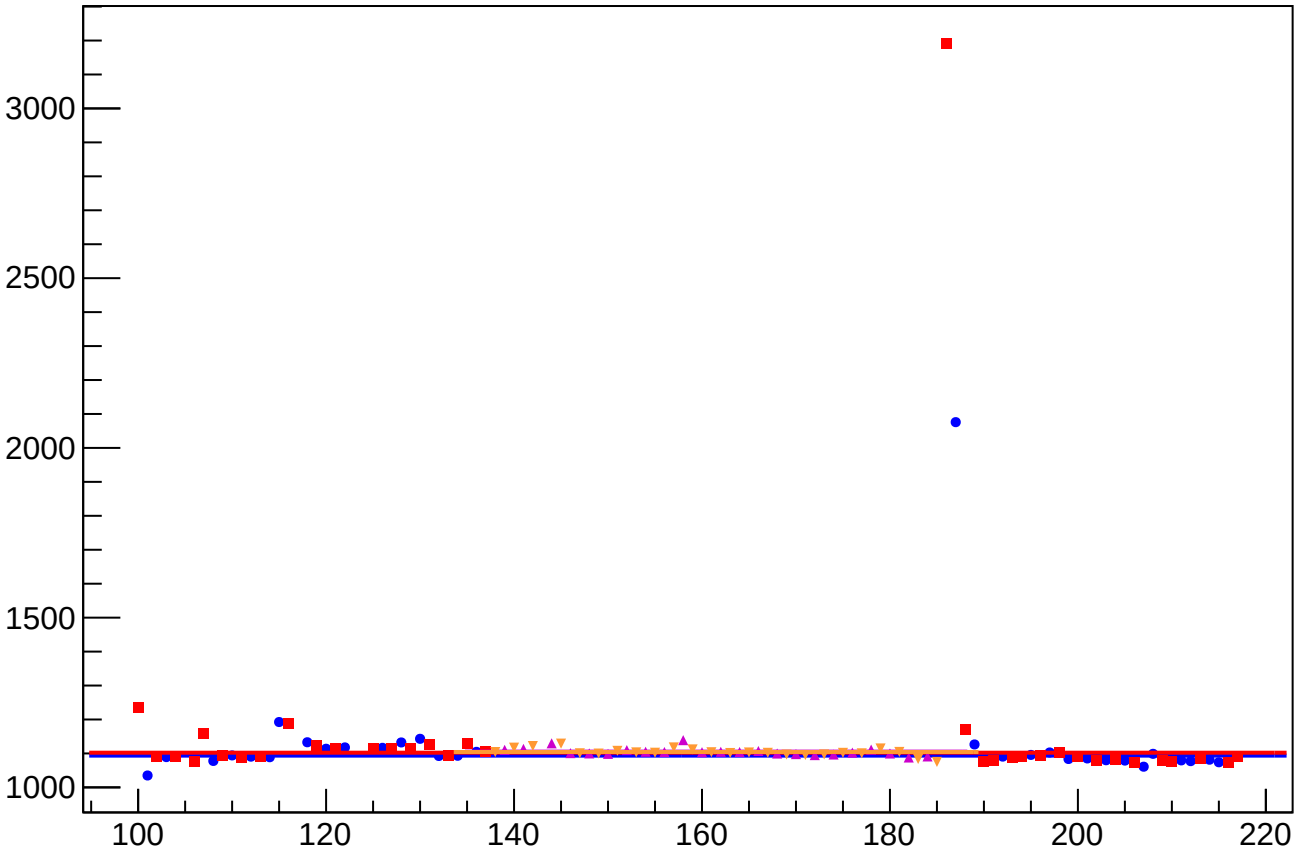
Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

Right: 2187.311+/-174.568 χ^2/NDF: 33.8/65

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

Out: 1929.803+/-176.843 χ^2/NDF:41.6/58

All: 1962.260+/-125.938 χ^2/NDF: 76.8/112



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: 1102.191+/-0.173 χ^2/NDF: 372901.5/34

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

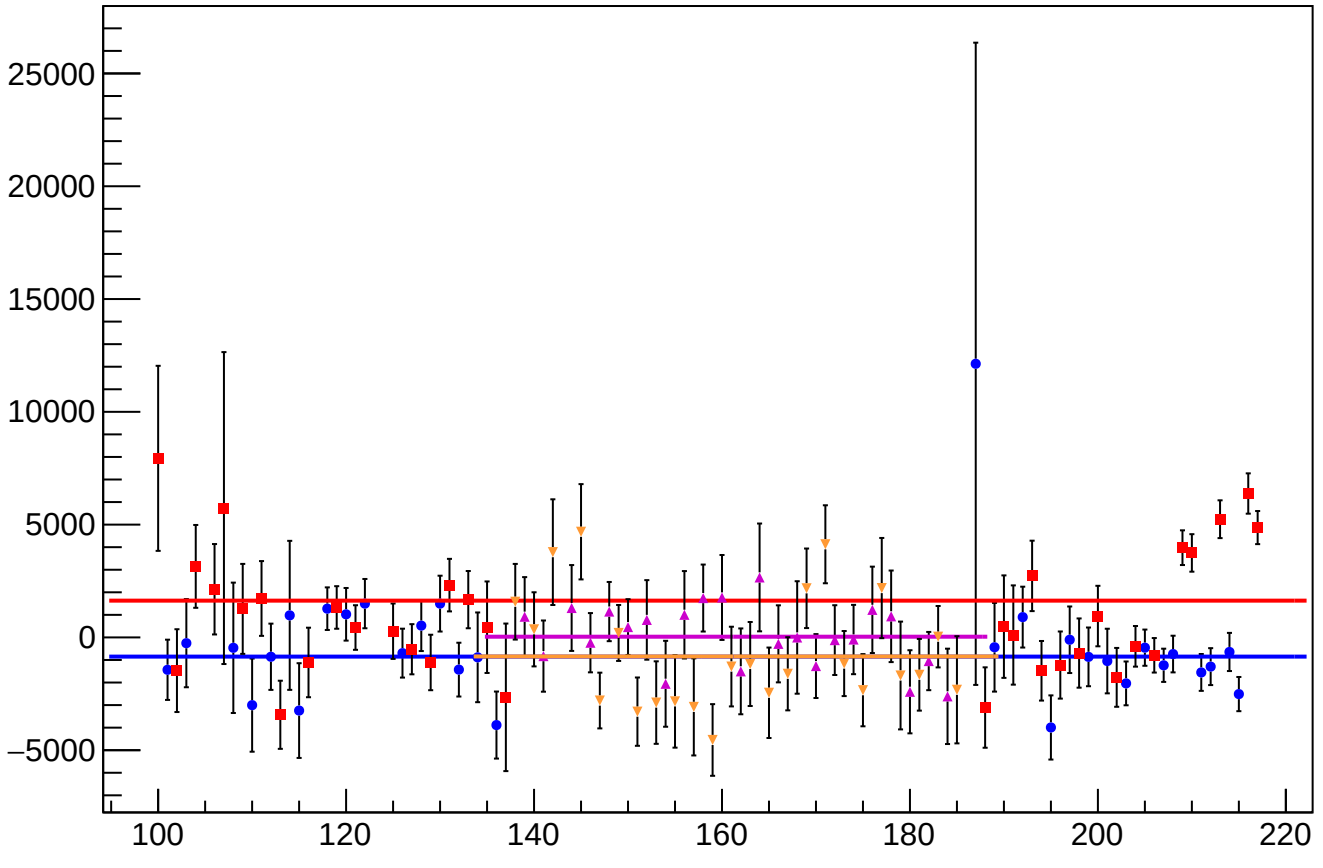
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1097.973+/-0.123 χ^2/NDF: 466363.3/65

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

Out: 1103.175+/-0.125 χ^2/NDF:375968.9/58

All: 1101.254+/-0.089 χ^2/NDF: 474516.1/112



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: 1630.216+/-209.852 χ^2/NDF: 158.7/33

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

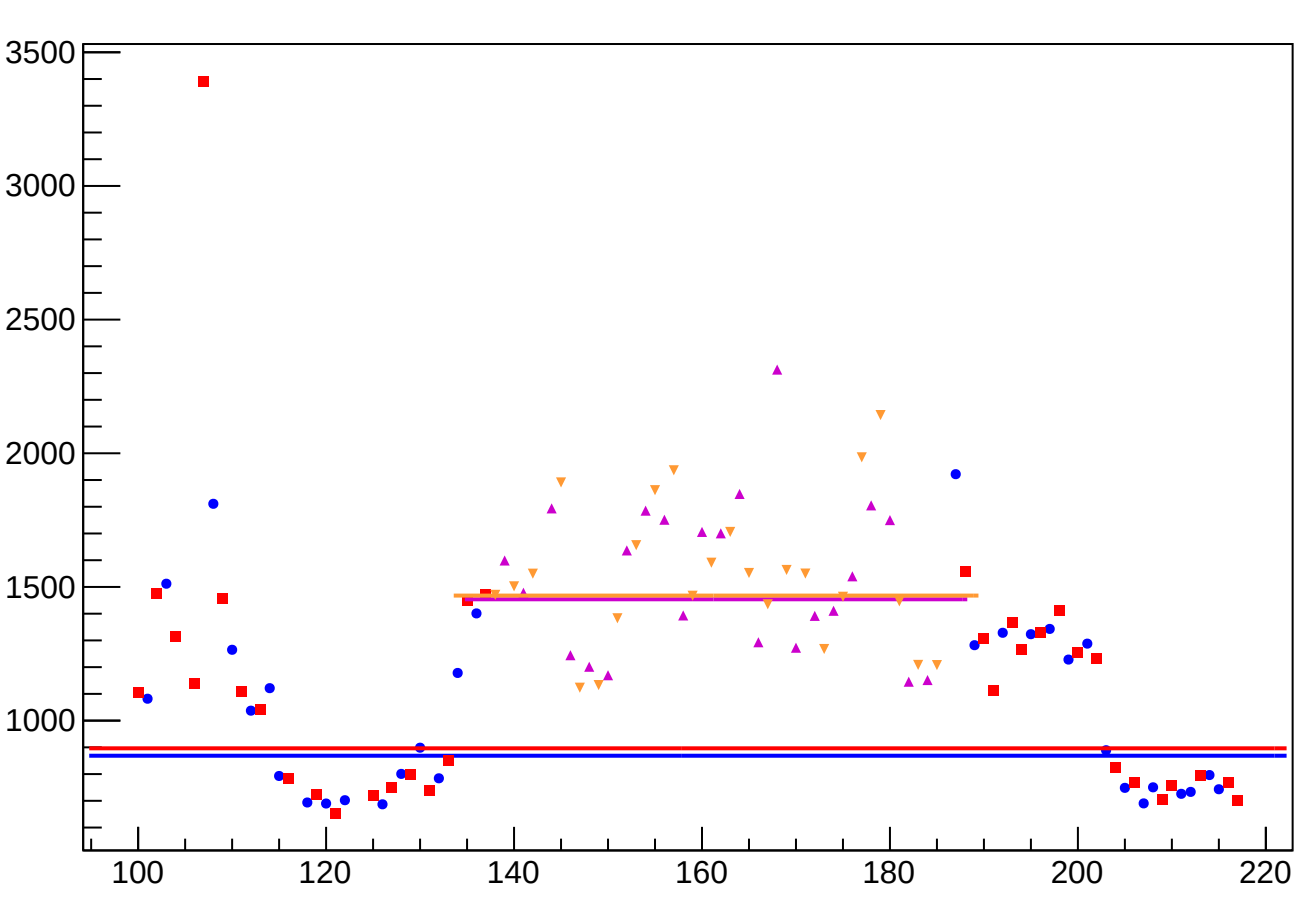
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: 373.740+/-147.429 χ^2/NDF: 269.9/64

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

Out: 969.330+/-179.643 χ^2/NDF:239.9/57

All: 167.247+/-126.357 χ^2/NDF: 337.6/111



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: 896.370+/-0.148 χ^2/NDF: 3173878.5/33

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

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

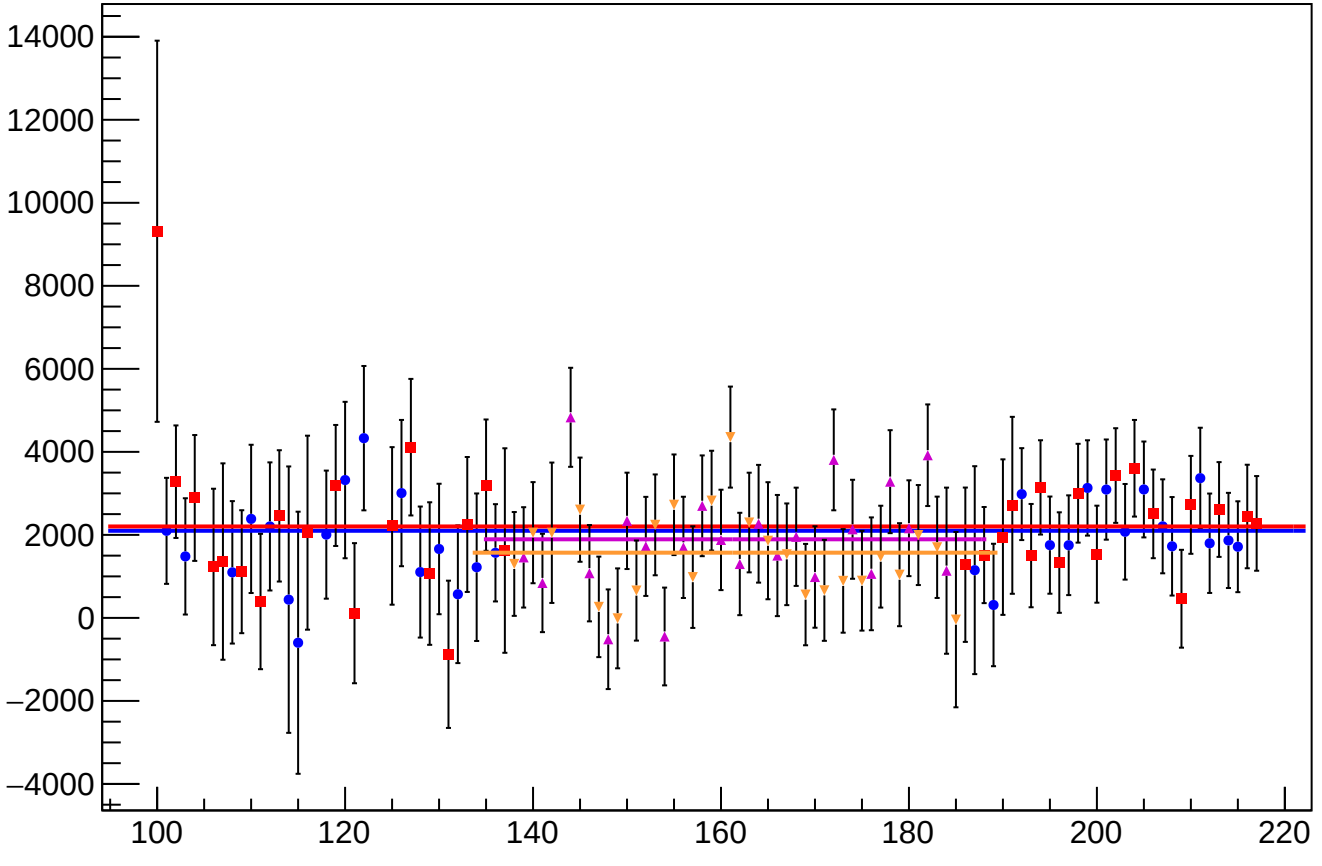
Right: 882.329+/-0.104 χ^2/NDF: 5785487.4/64

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

Out: 1049.021+/-0.127 χ^2/NDF:8176606.9/57

All: 1035.859+/-0.089 χ^2/NDF: 16128233.6/1

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: 2202.809+/-242.143 χ^2/NDF: 20.9/34

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

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

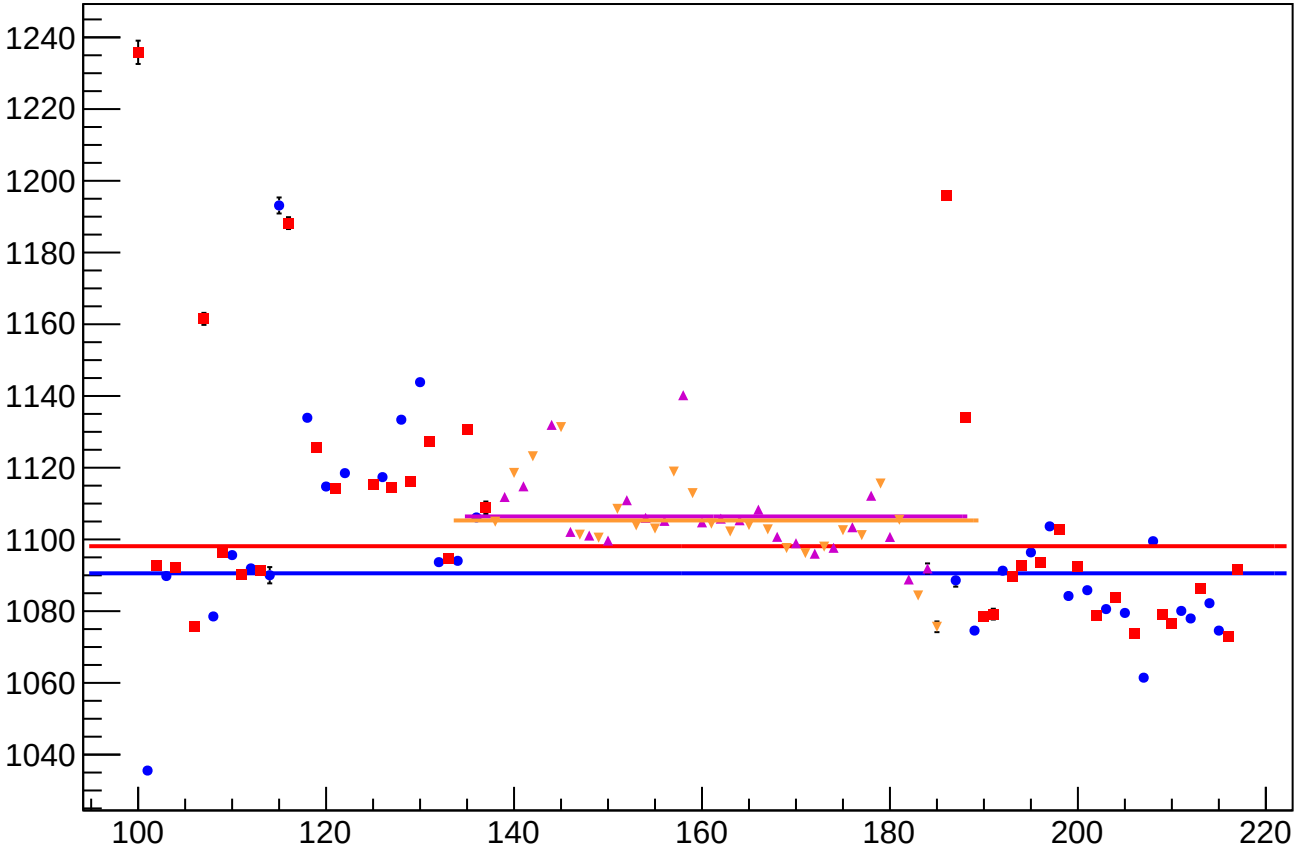
Right: 2152.173+/-173.328 χ^2/NDF: 32.7/65

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

Out: 1905.151+/-176.089 χ^2/NDF:39.5/58

All: 1951.931+/-125.526 χ^2/NDF: 75.8/112

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: 1098.114+/-0.171 χ^2/NDF: 21850.0/34

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

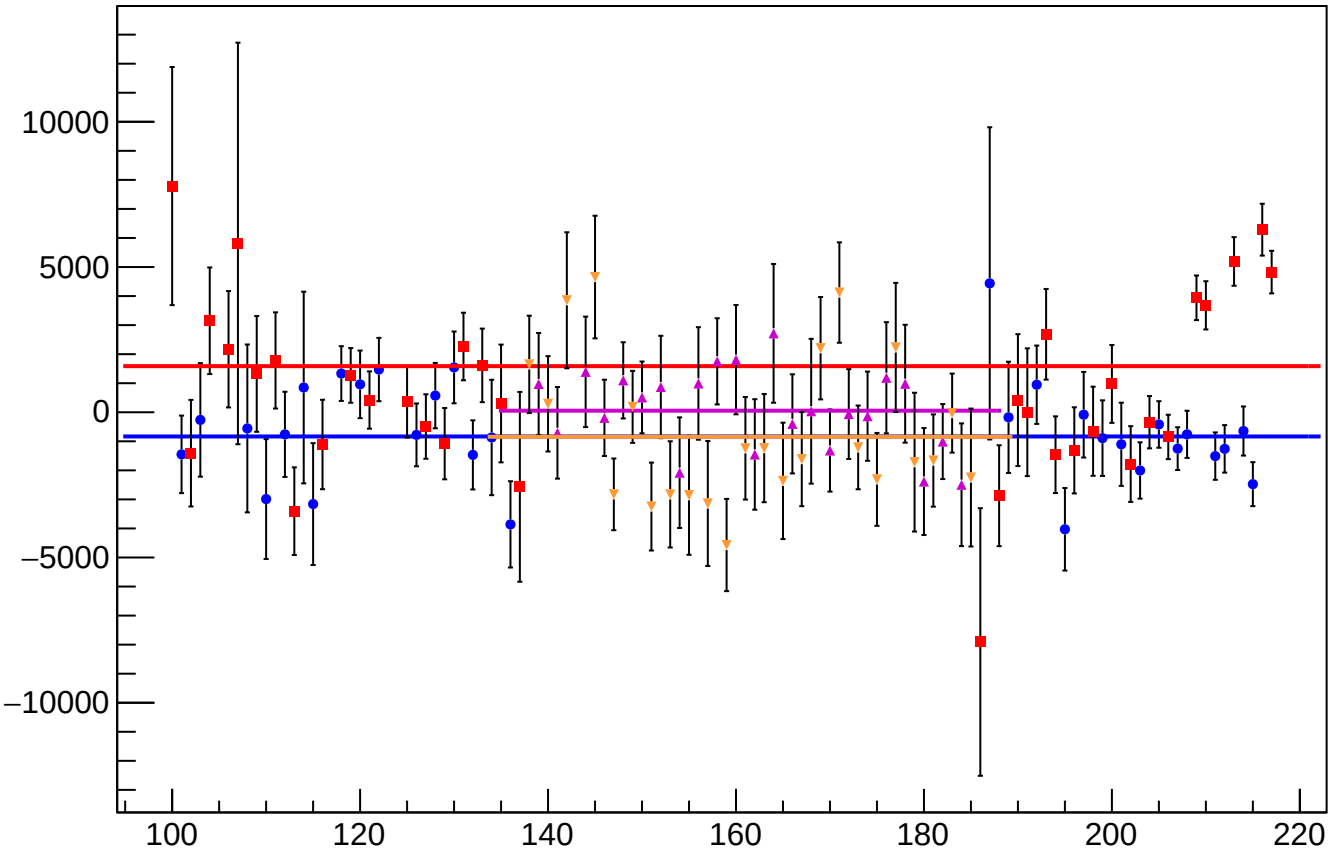
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.427+/-0.123 χ^2/NDF: 39053.8/65

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

Out: 1101.497+/-0.125 χ^2/NDF:25840.5/58

All: 1099.857+/-0.089 χ^2/NDF: 50137.9/112



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: 1587.298+/-209.309 χ^2/NDF: 159.9/34

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

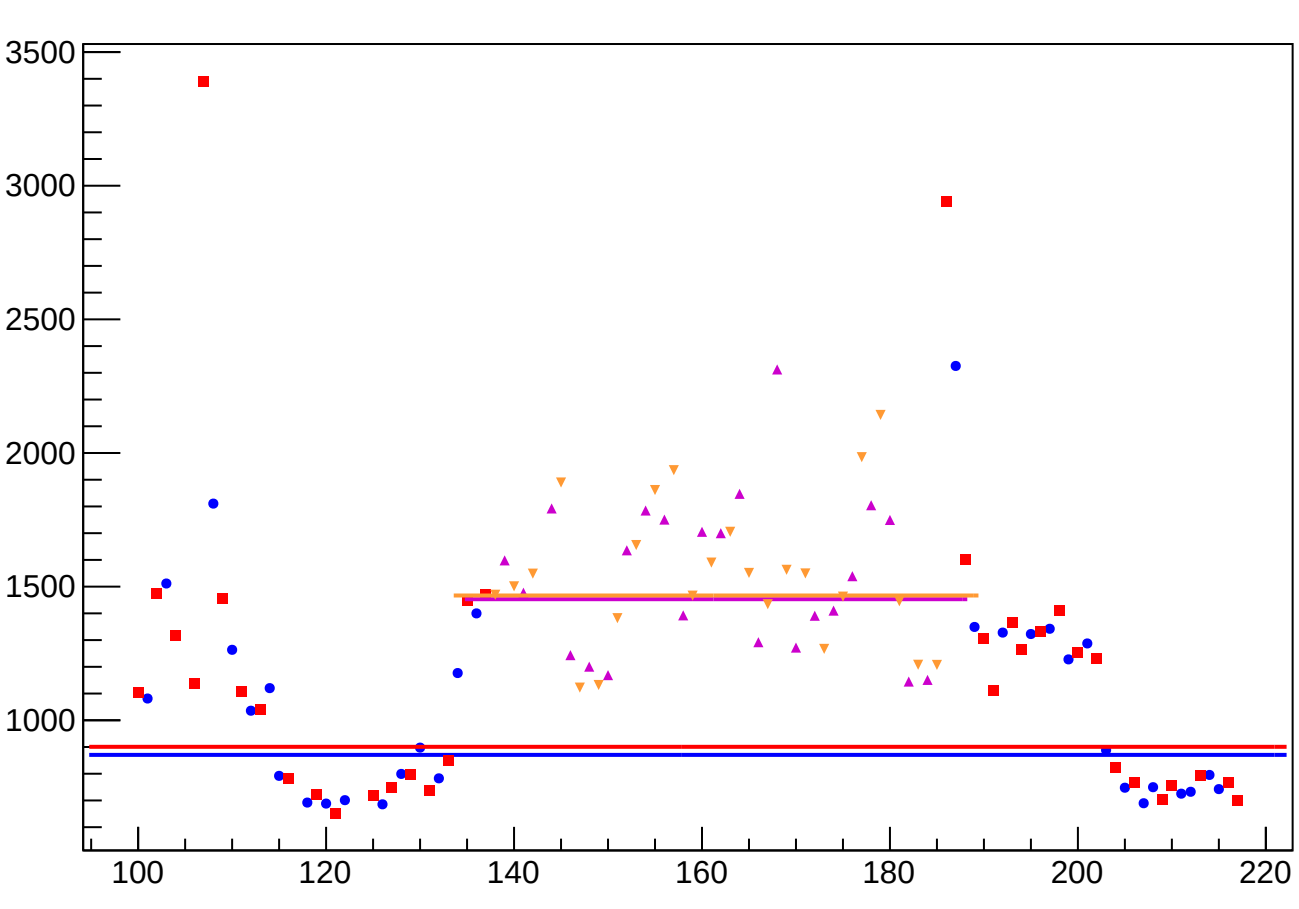
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 361.977+/-147.082 χ^2/NDF: 268.3/65

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

Out: 939.454+/-179.275 χ^2/NDF:240.0/58

All: 162.015+/-126.120 χ^2/NDF: 335.8/112



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: 900.687+/-0.148 χ^2/NDF: 3632166.0/34

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

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

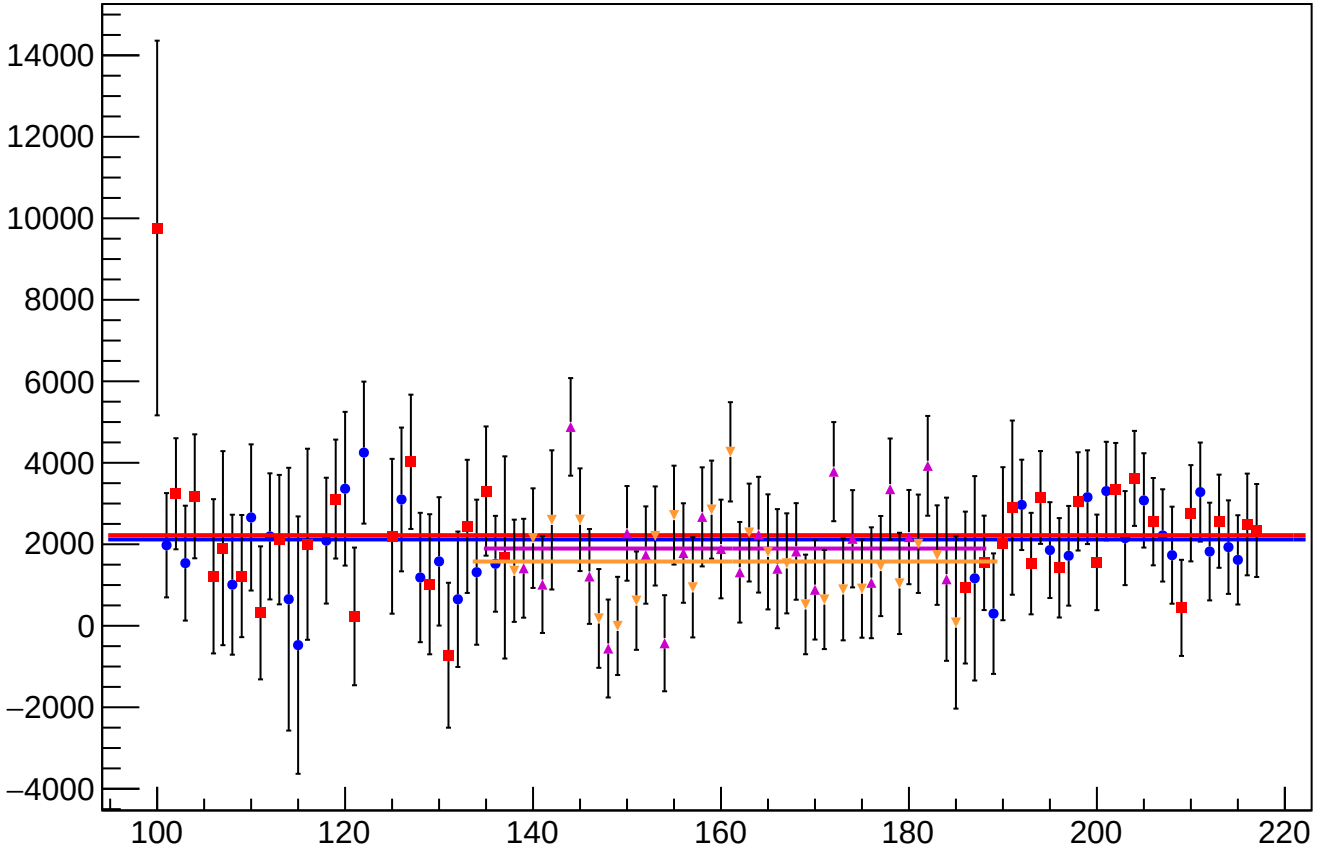
Right: 885.406+/-0.104 χ^2/NDF: 6427595.6/65

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

Out: 1051.506+/-0.127 χ^2/NDF:8573515.0/58

All: 1037.490+/-0.089 χ^2/NDF: 16679402.2/1

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: 2223.896+/-242.930 χ^2/NDF: 20.7/34

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

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

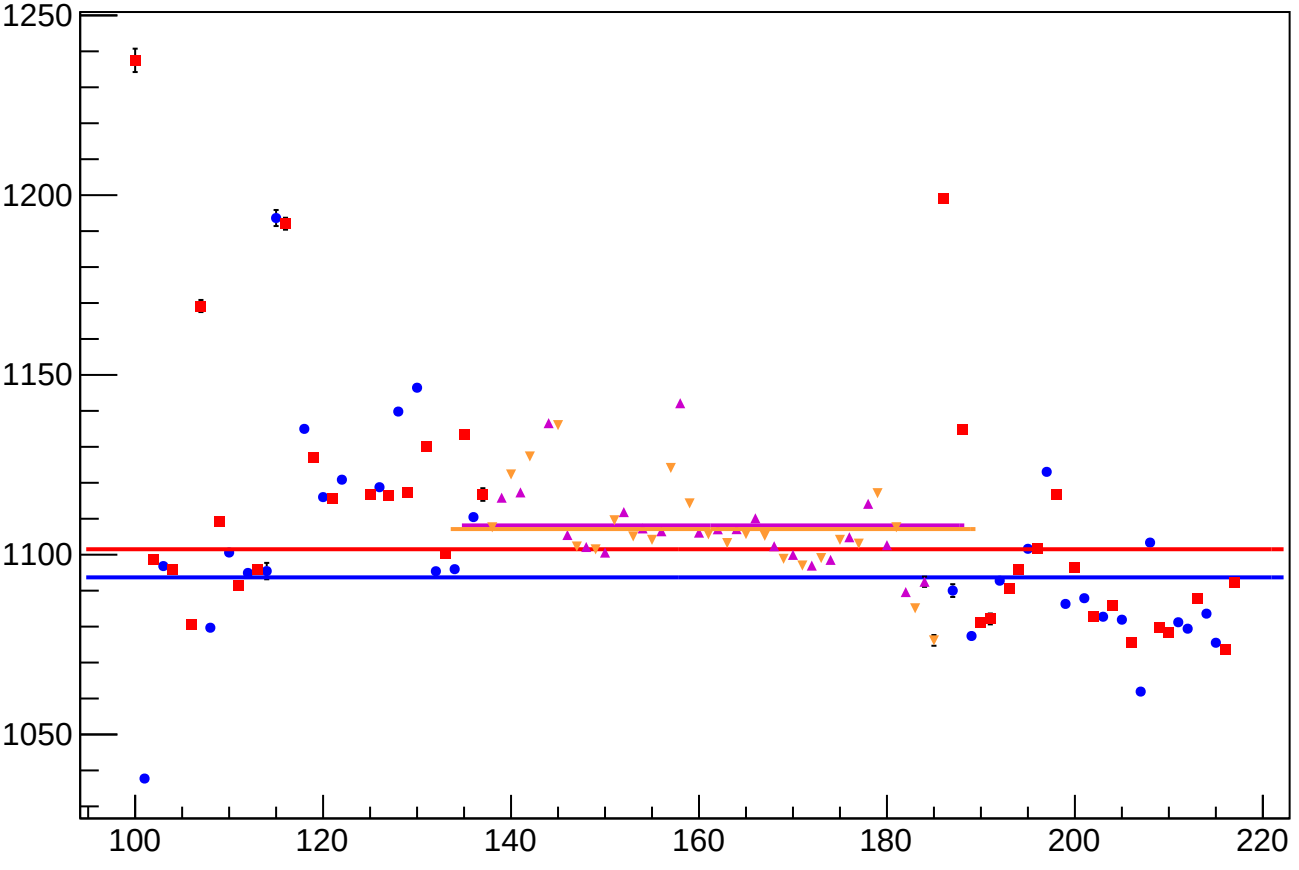
Right: 2172.757+/-173.866 χ^2/NDF: 32.5/65

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

Out: 1918.833+/-176.543 χ^2/NDF:39.6/58

All: 1964.479+/-125.832 χ^2/NDF: 75.9/112

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: 1101.517+/-0.172 χ^2/NDF: 22433.5/34

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

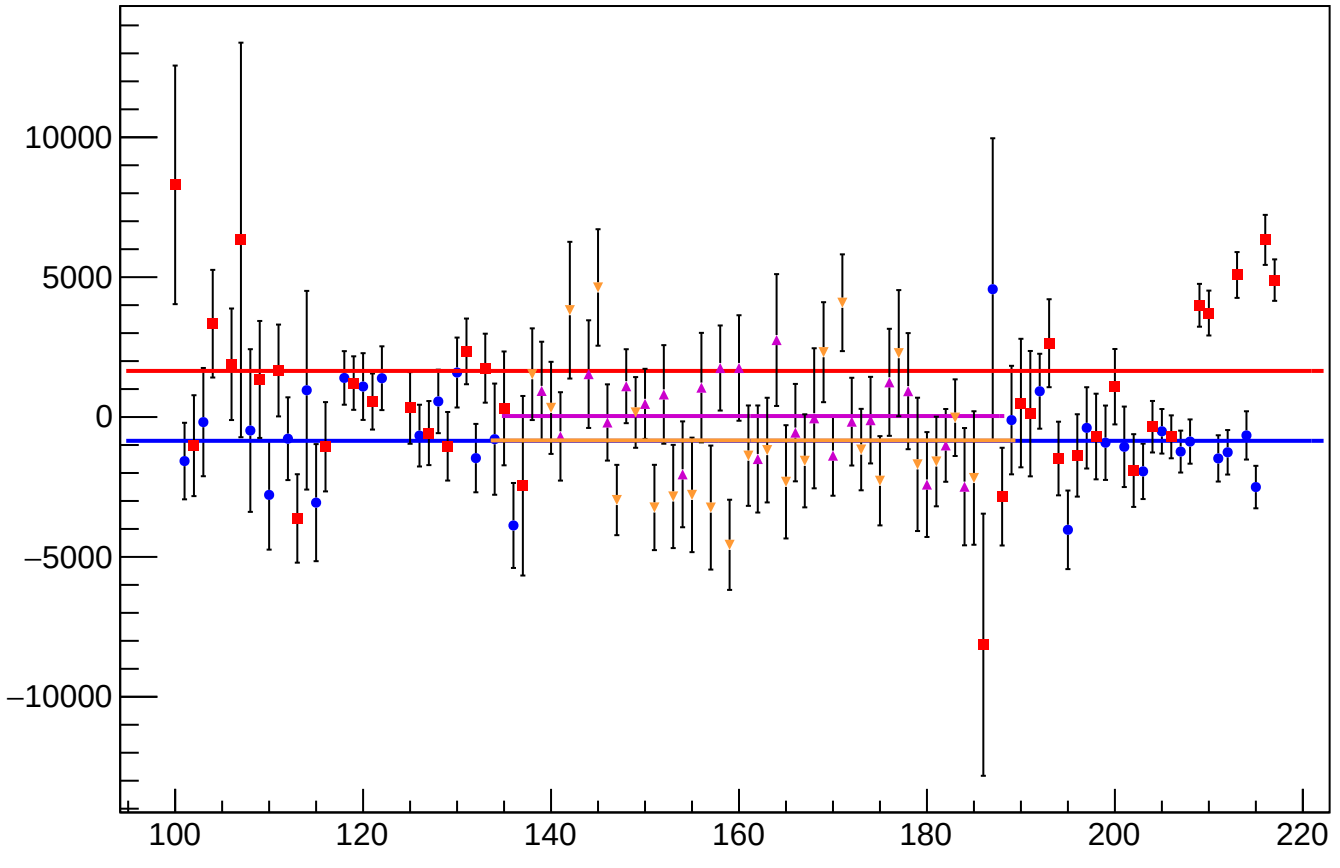
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1097.702+/-0.123 χ^2/NDF: 41299.4/65

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

Out: 1104.164+/-0.125 χ^2/NDF:26720.4/58

All: 1102.431+/-0.089 χ^2/NDF: 52396.4/112



Right In: -850.255+/-208.132 χ^2/NDF: 39.9/30

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 1648.370+/-210.273 χ^2/NDF: 159.7/34

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

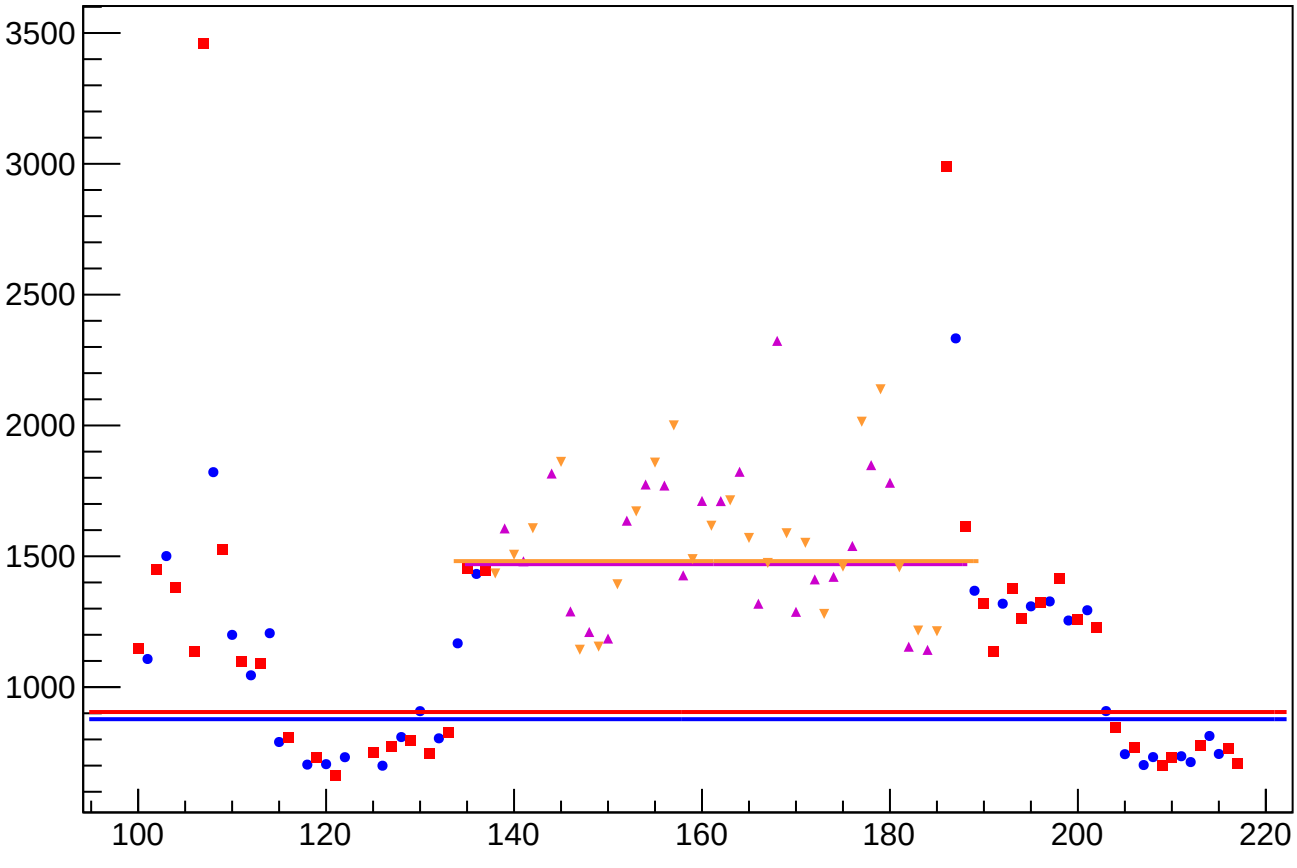
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: 386.274+/-147.923 χ^2/NDF: 270.9/65

In: -618.497+/-178.843 χ^2/NDF:57.7/53

Out: 991.373+/-180.329 χ^2/NDF:240.2/58

All: 179.776+/-126.983 χ^2/NDF: 338.1/112



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: 904.795+/-0.149 χ^2/NDF: 3667855.0/34

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

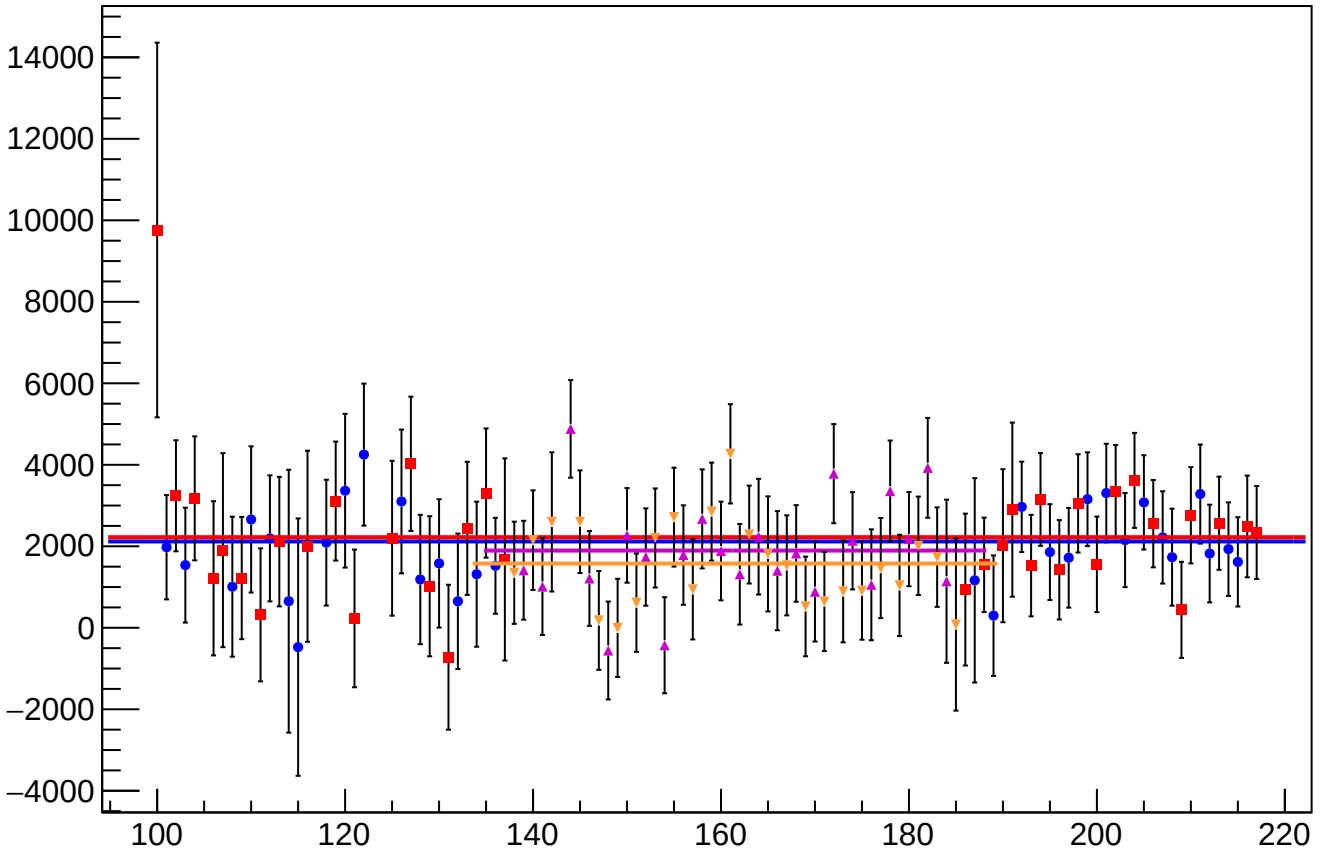
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 890.957+/-0.105 χ^2/NDF: 6428498.9/65

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

Out: 1057.361+/-0.128 χ^2/NDF:8665547.5/58

All: 1044.790+/-0.090 χ^2/NDF: 16764209.0/1



Right In: 2119.053+/-248.949 χ^2/NDF: 11.7/30

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 2223.894+/-242.930 χ^2/NDF: 20.7/34

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

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

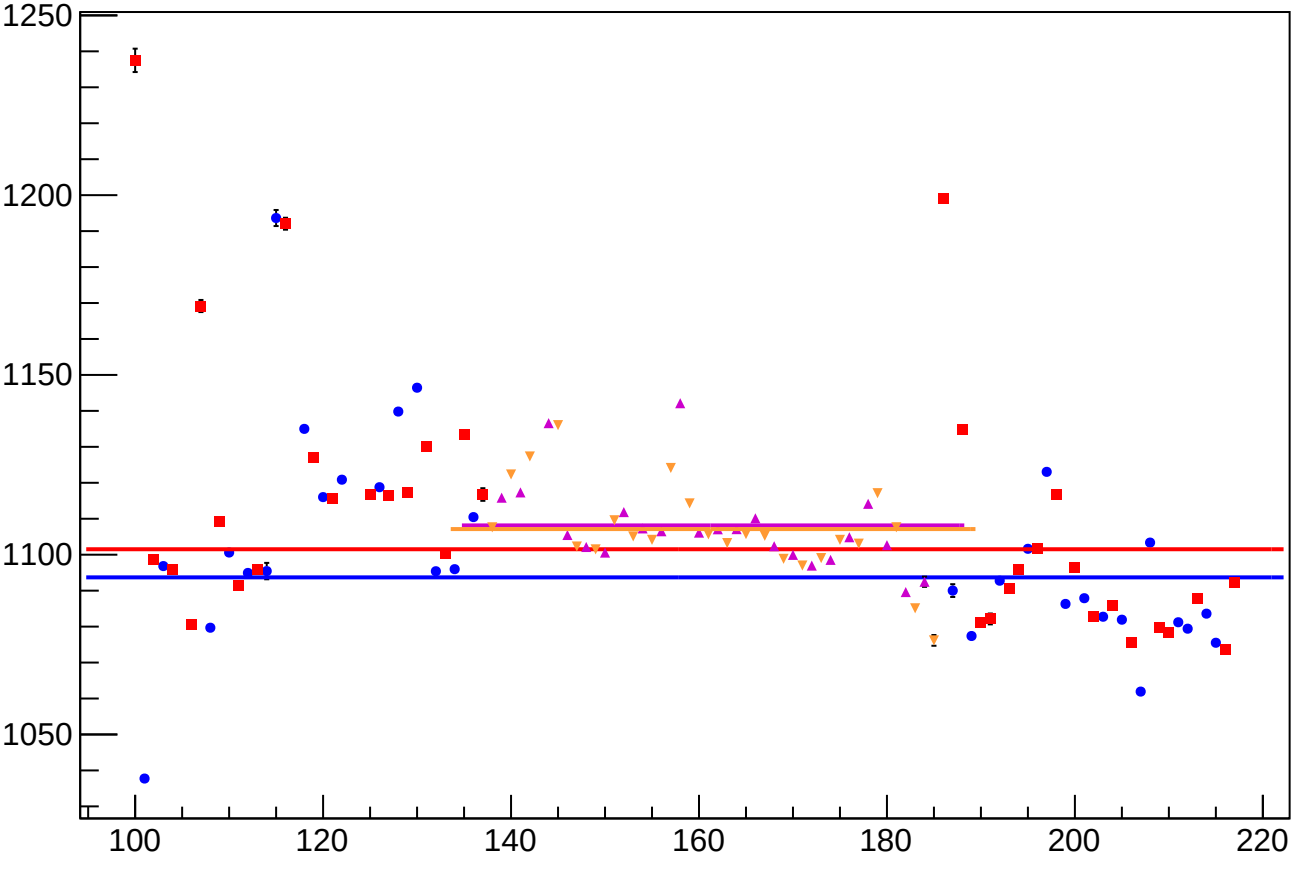
Right: 2172.756+/-173.866 χ^2/NDF: 32.5/65

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

Out: 1918.831+/-176.543 χ^2/NDF:39.6/58

All: 1964.478+/-125.832 χ^2/NDF: 75.9/112

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: 1101.517+/-0.172 χ^2/NDF: 22433.4/34

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

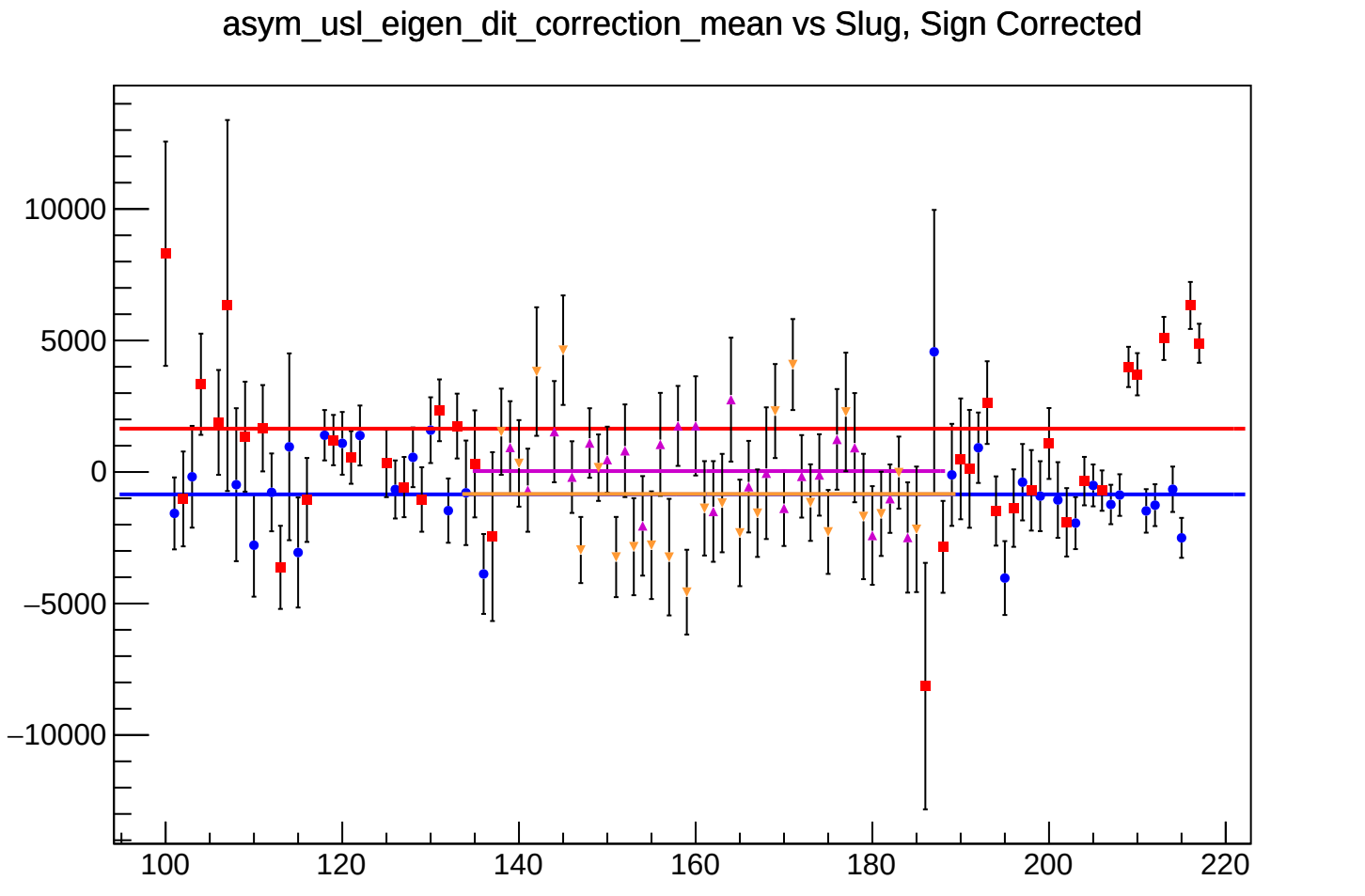
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1097.702+/-0.123 χ^2/NDF: 41299.3/65

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

Out: 1104.164+/-0.125 χ^2/NDF:26720.4/58

All: 1102.431+/-0.089 χ^2/NDF: 52396.3/112



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: 1648.367+/-210.273 χ^2/NDF: 159.7/34

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

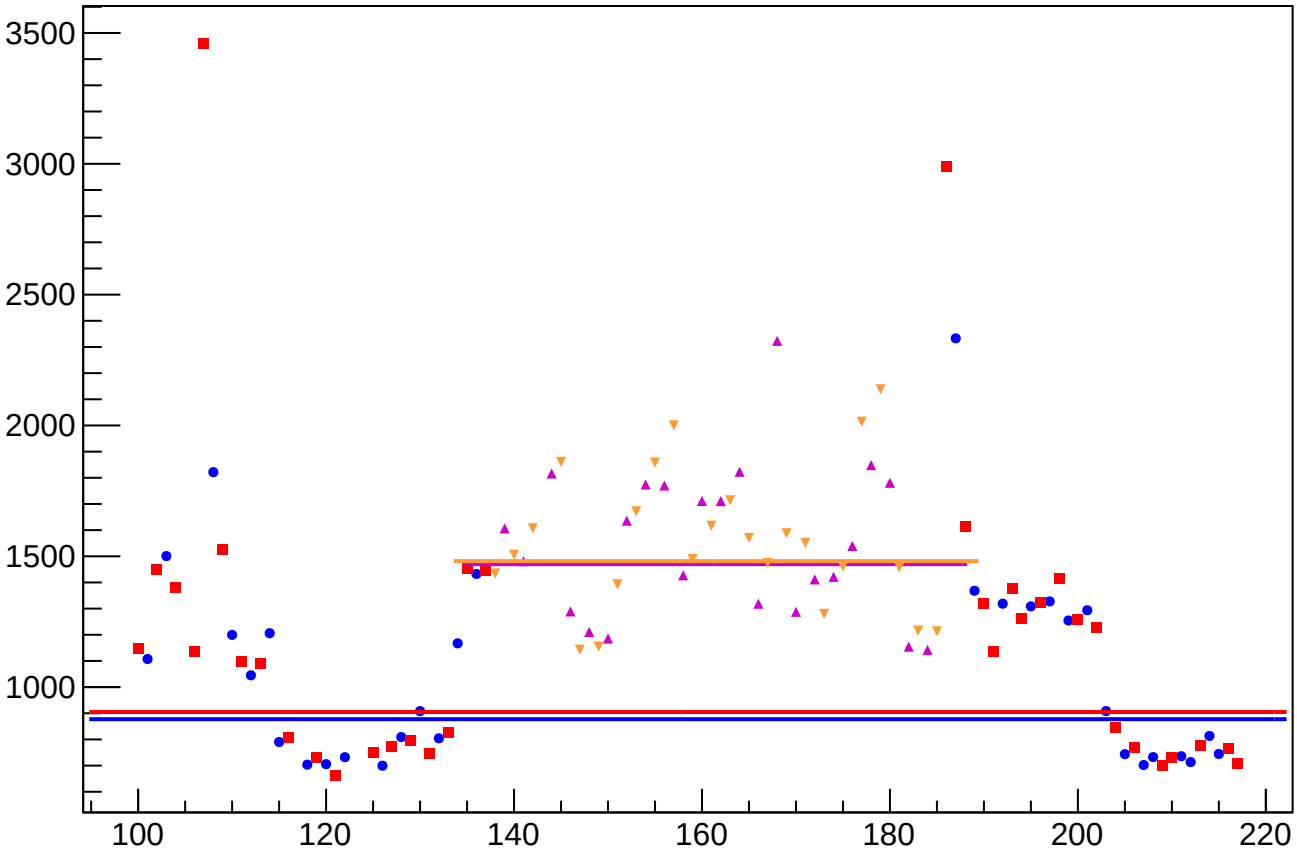
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 386.273+/-147.923 χ^2/NDF: 270.9/65

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

Out: 991.371+/-180.329 χ^2/NDF:240.2/58

All: 179.775+/-126.983 χ^2/NDF: 338.1/112



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: 904.794+/-0.149 χ^2/NDF: 3667854.6/34

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

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

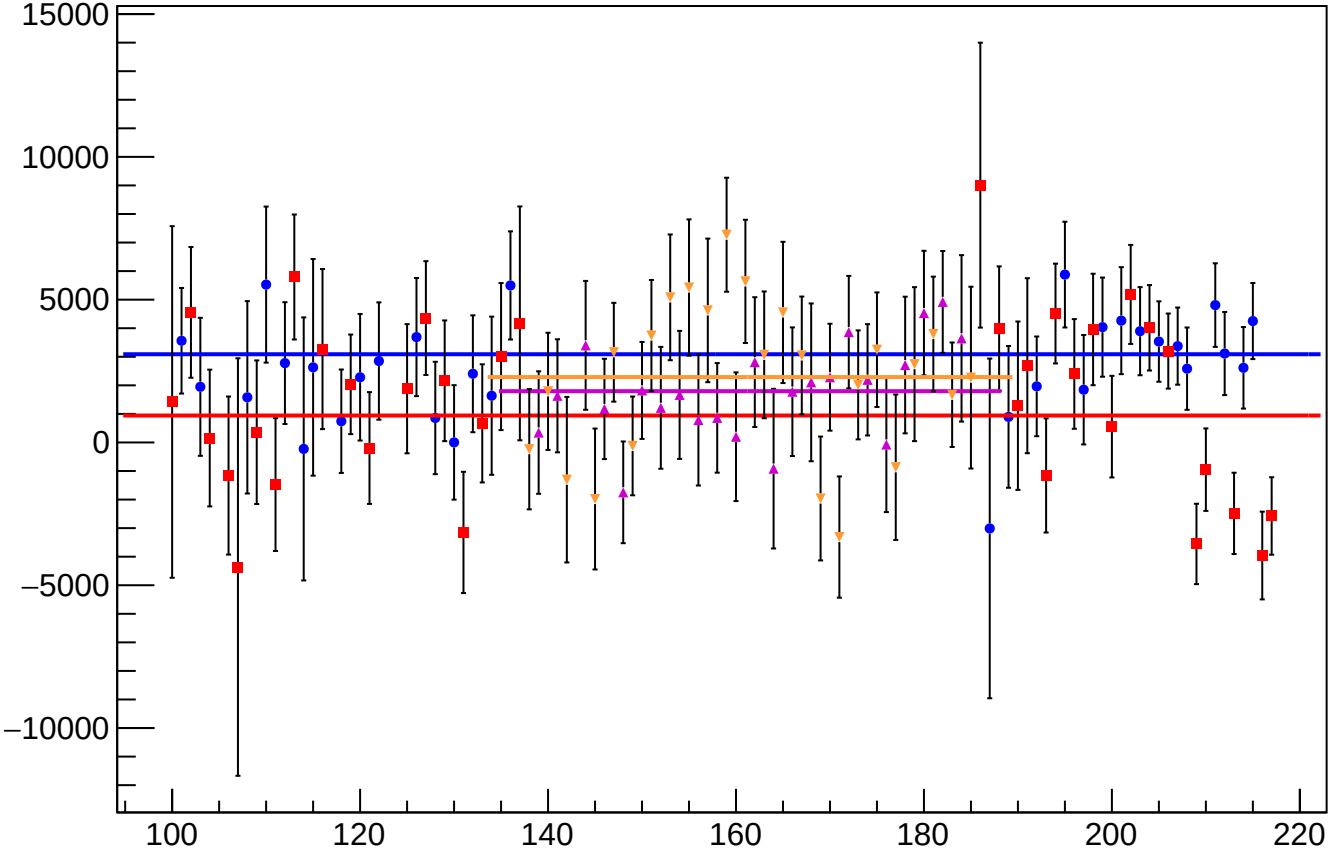
Right: 890.957+/-0.105 χ^2/NDF: 6428499.5/65

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

Out: 1057.361+/-0.128 χ^2/NDF:8665565.9/58

All: 1044.790+/-0.090 χ^2/NDF: 16764247.5/1

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: 943.257+/-336.122 χ^2/NDF: 80.6/34

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

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

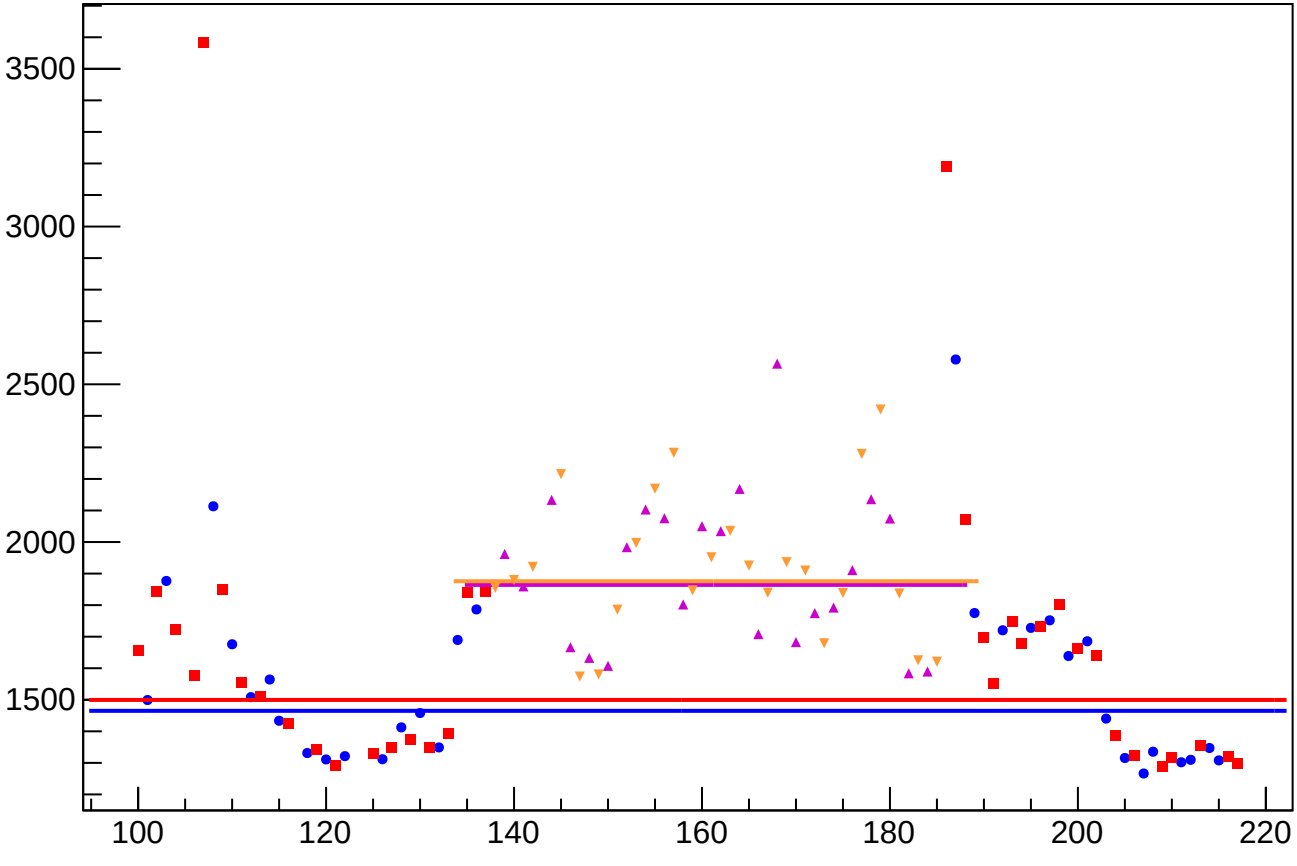
Right: 2013.183+/-237.994 χ^2/NDF: 118.7/65

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

Out: 1440.397+/-266.953 χ^2/NDF:122.5/58

All: 2024.177+/-188.910 χ^2/NDF: 169.6/112

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: 1499.521+/-0.238 χ^2/NDF: 1153026.5/34

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

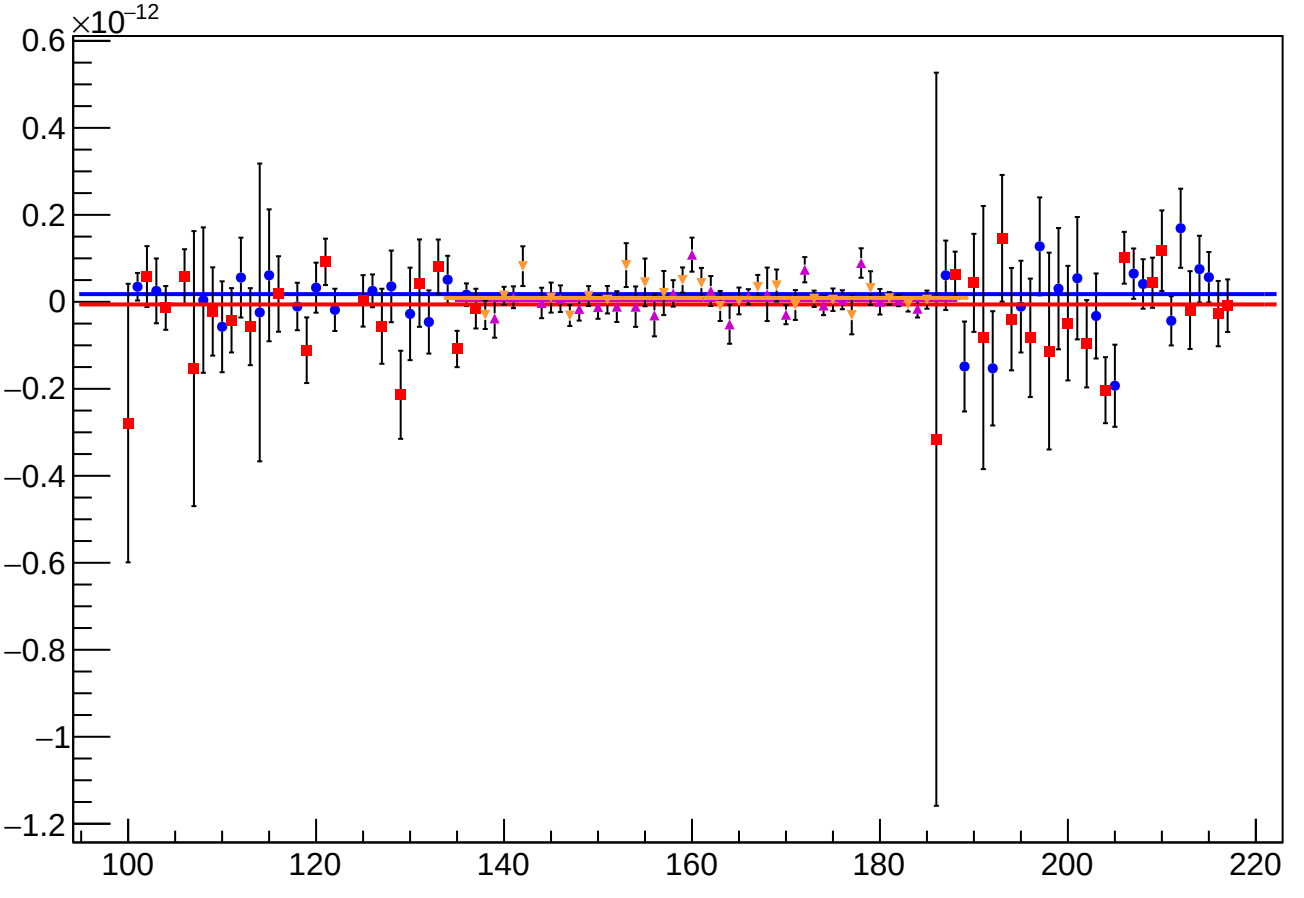
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1482.284+/-0.168 χ^2/NDF: 1878825.5/65

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

Out: 1638.459+/-0.189 χ^2/NDF:2551108.6/58

All: 1625.715+/-0.134 χ^2/NDF: 4826228.1/11



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: 39.1/34

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

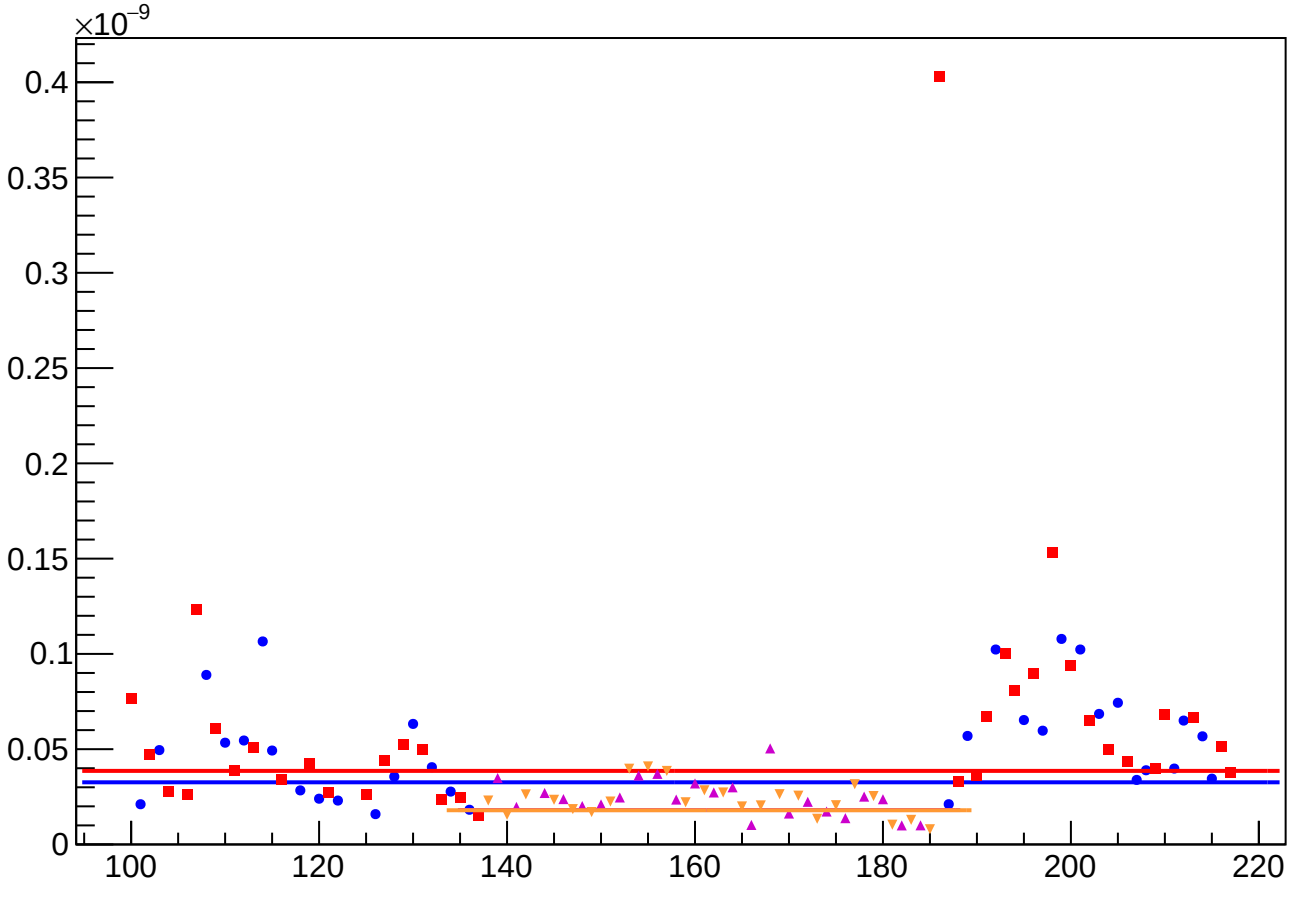
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 61.1/65

In: 0.000+/-0.000 χ^2/NDF:49.3/53

Out: 0.000+/-0.000 χ^2/NDF:56.8/58

All: 0.000+/-0.000 χ^2/NDF: 106.1/112



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: 4469230.6/34

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

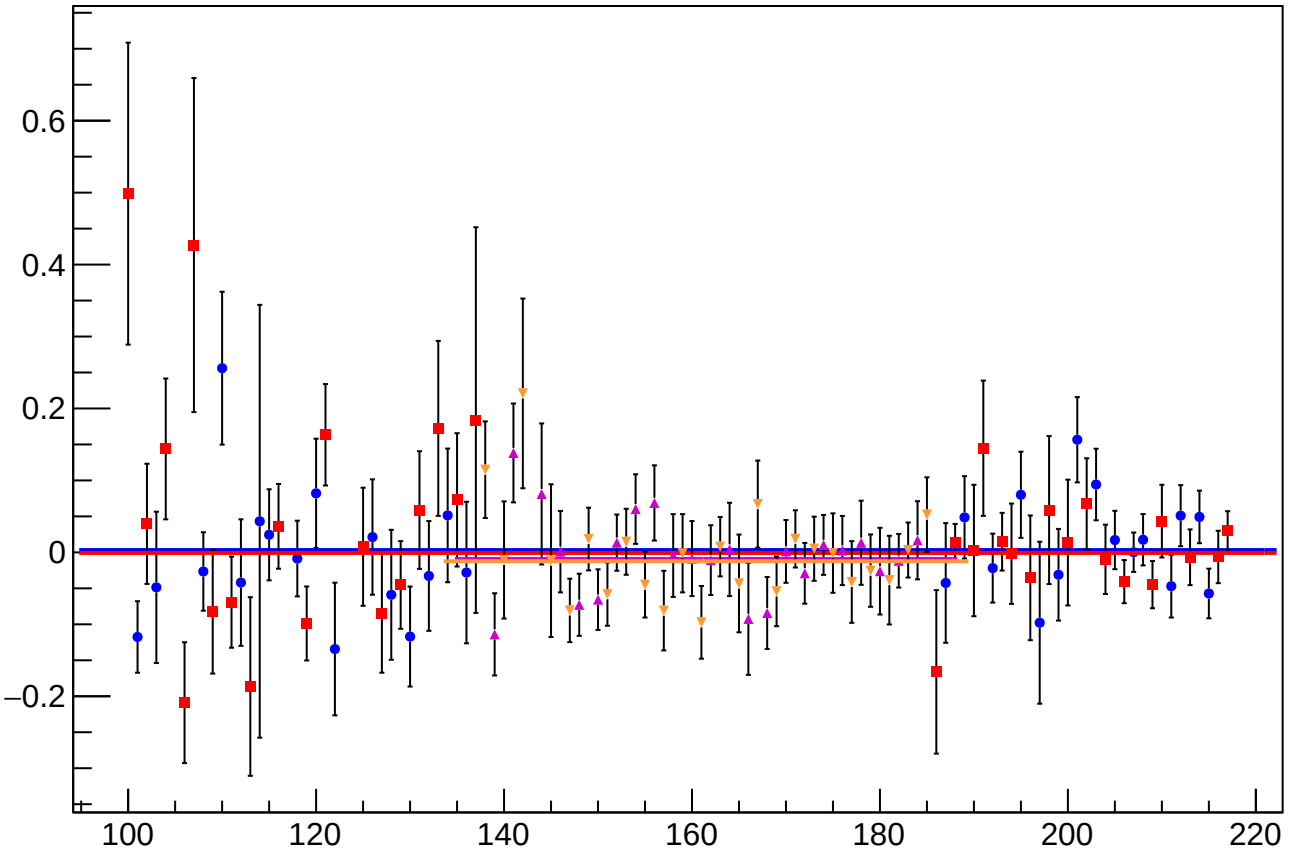
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10235191.0/65

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

Out: 0.000+/-0.000 χ^2/NDF:12377328.6/58

All: 0.000+/-0.000 χ^2/NDF: 24746294.3/112



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: -0.001+/-0.009 χ^2/NDF: 48.9/34

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

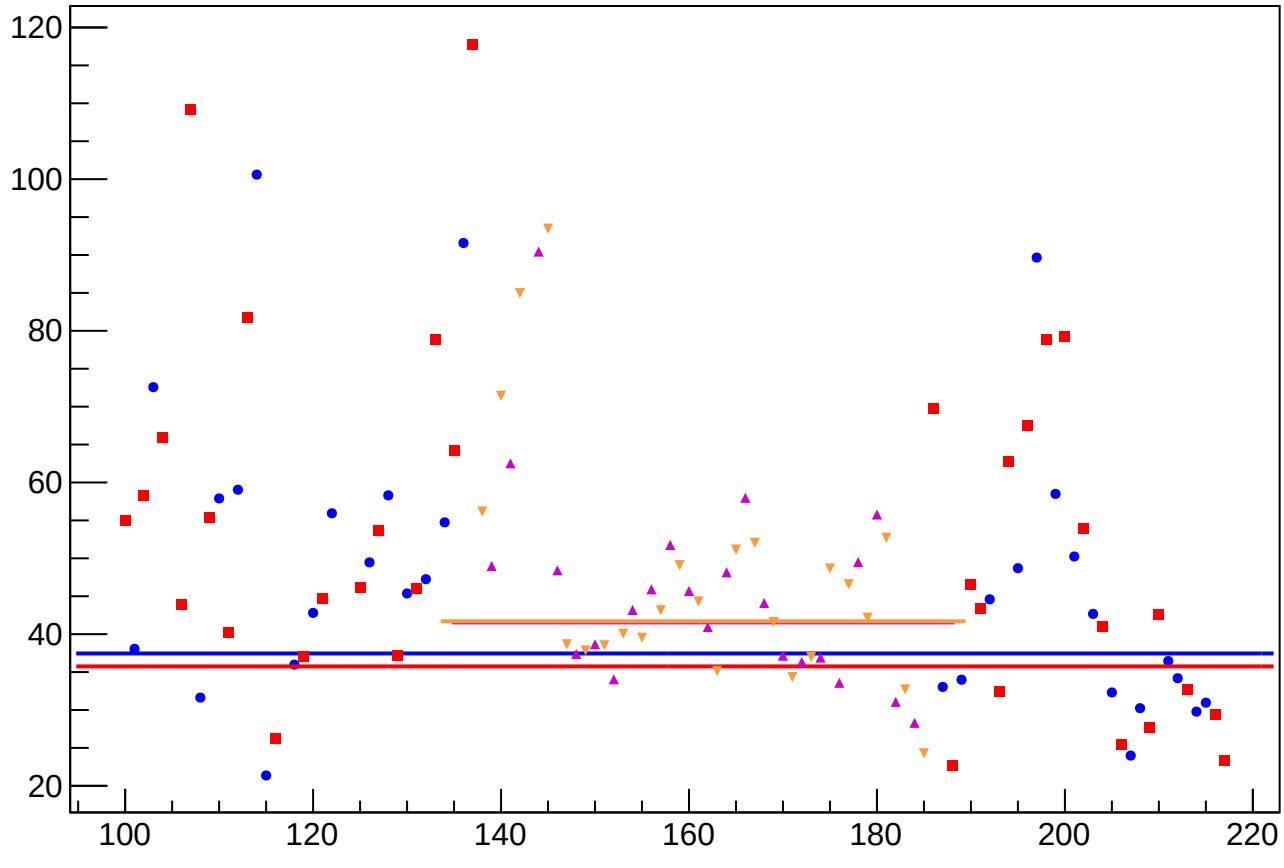
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.007 χ^2/NDF: 90.5/65

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.006+/-0.007 χ^2/NDF:71.5/58

All: -0.004+/-0.005 χ^2/NDF: 135.8/112



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: 35.747+/-0.007 χ^2/NDF: 5031716.8/34

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

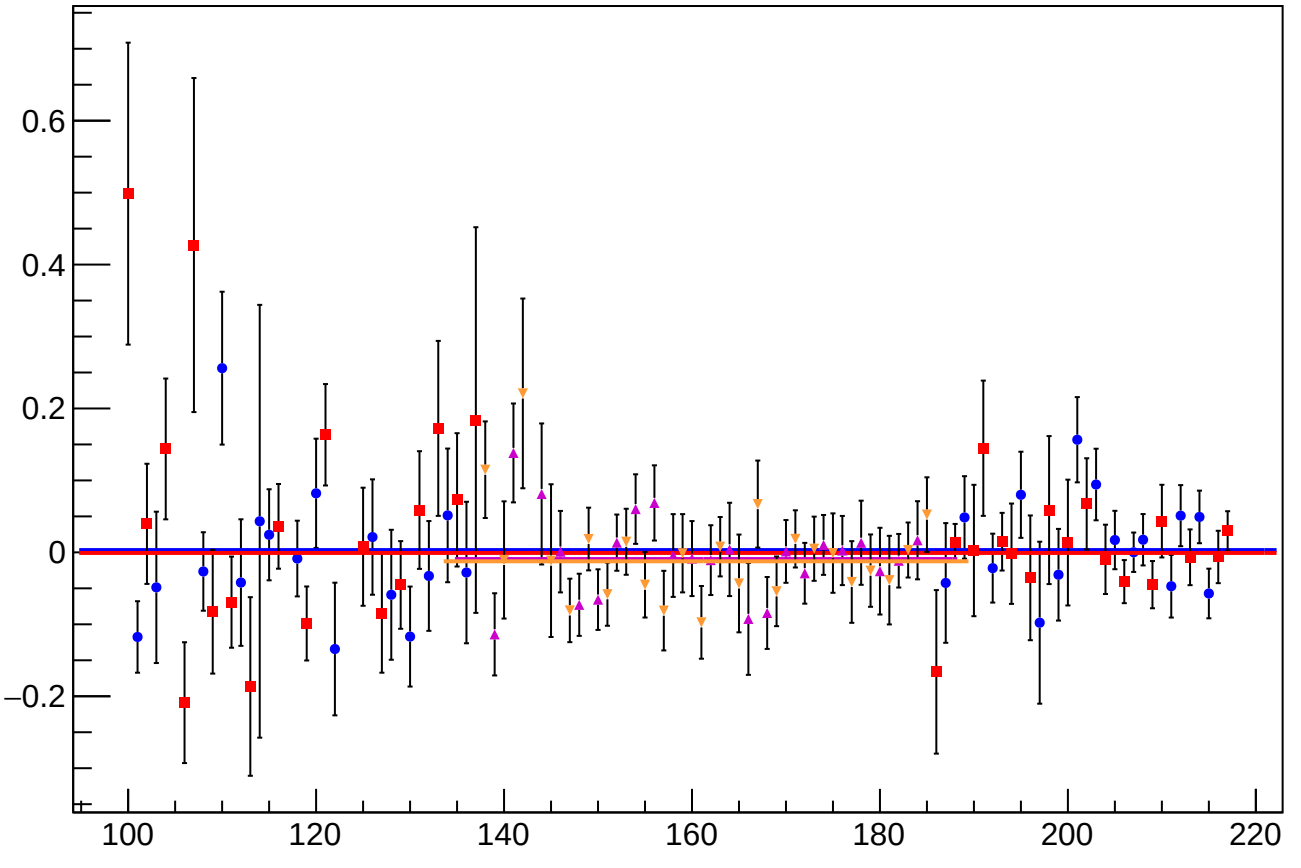
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 36.560+/-0.005 χ^2/NDF: 8359950.1/65

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

Out: 38.376+/-0.005 χ^2/NDF:7212017.2/58

All: 38.858+/-0.004 χ^2/NDF: 12304074.7/112



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: -0.001+/-0.009 χ^2/NDF: 48.9/34

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

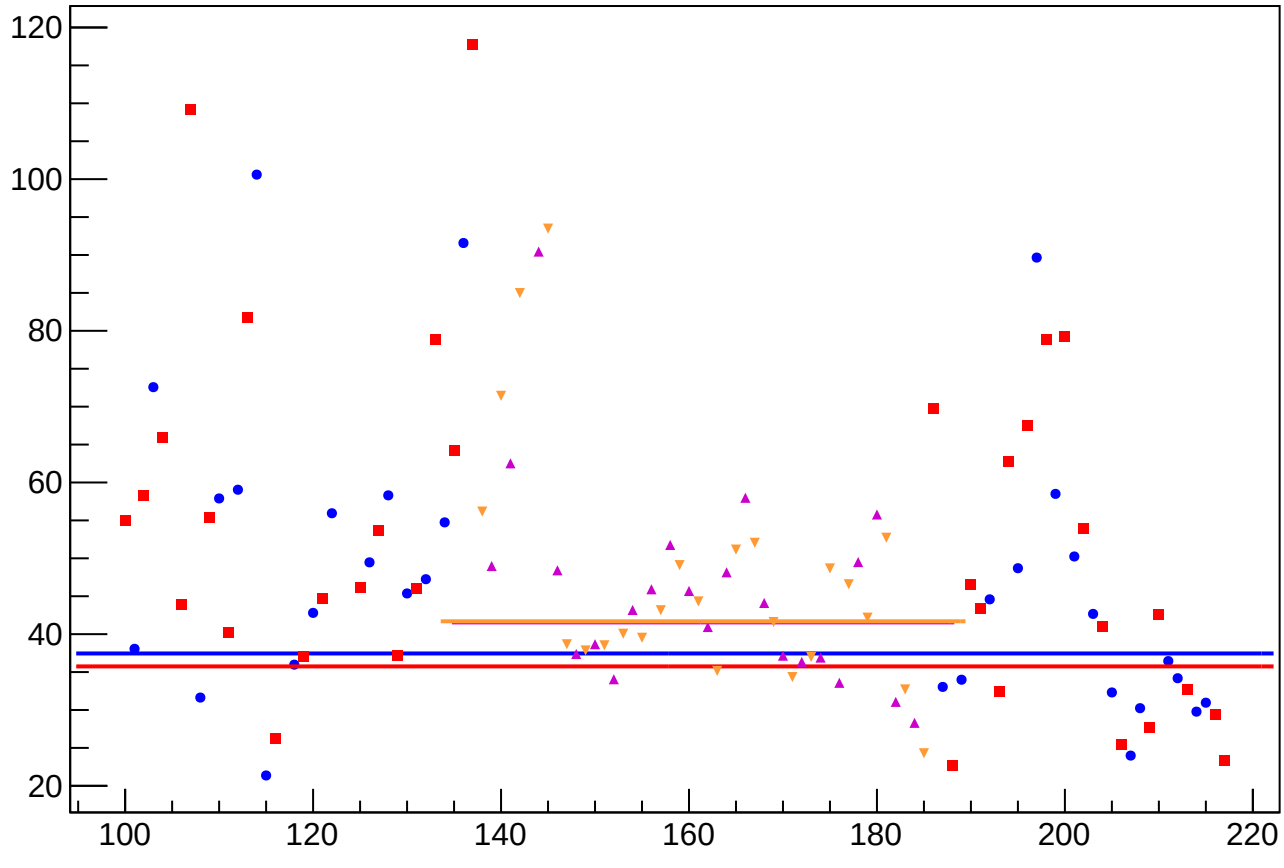
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.007 χ^2/NDF: 90.5/65

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.006+/-0.007 χ^2/NDF:71.5/58

All: -0.004+/-0.005 χ^2/NDF: 135.8/112



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: 35.747+/-0.007 χ^2/NDF: 5031716.8/34

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

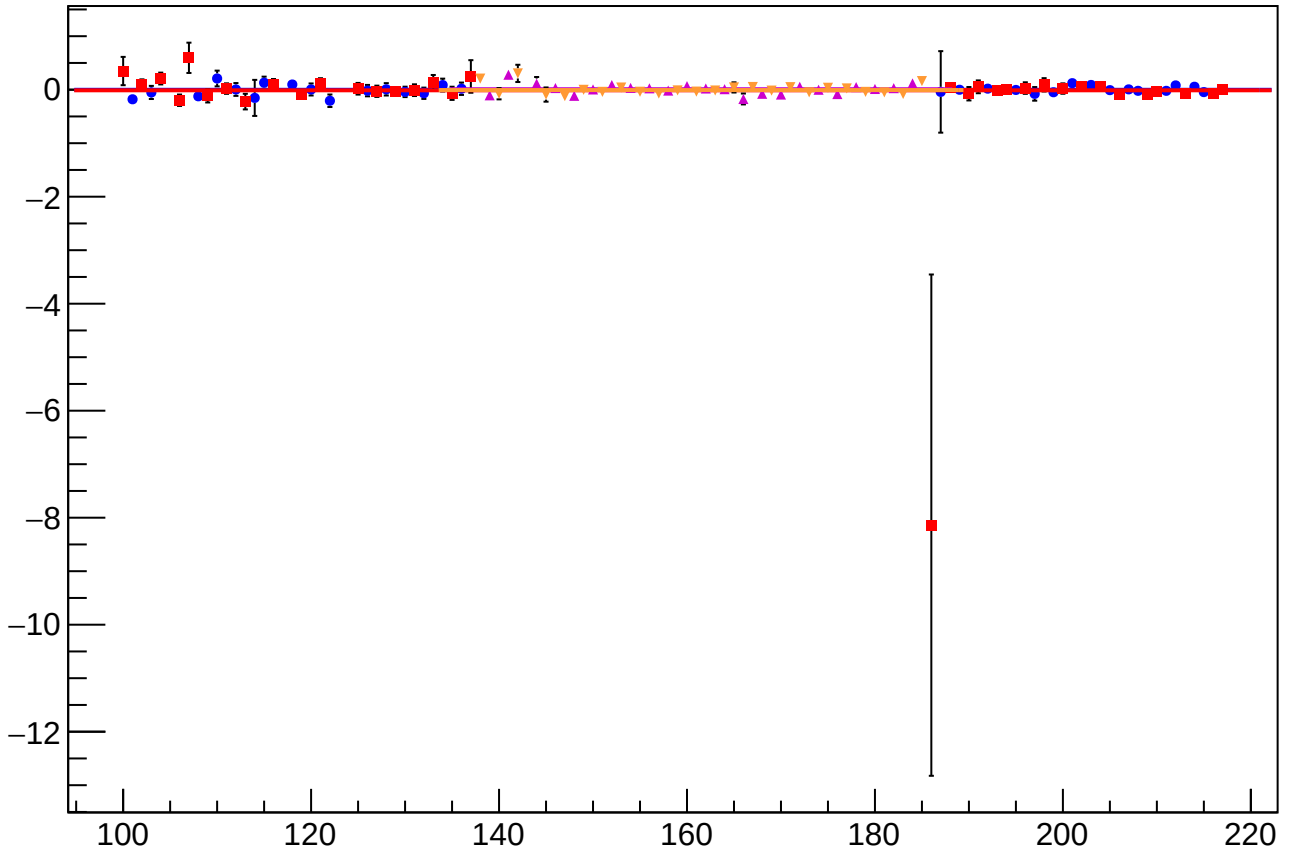
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 36.560+/-0.005 χ^2/NDF: 8359950.1/65

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

Out: 38.376+/-0.005 χ^2/NDF:7212017.2/58

All: 38.858+/-0.004 χ^2/NDF: 12304074.7/112



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: -0.011+/-0.014 χ^2/NDF: 38.1/34

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

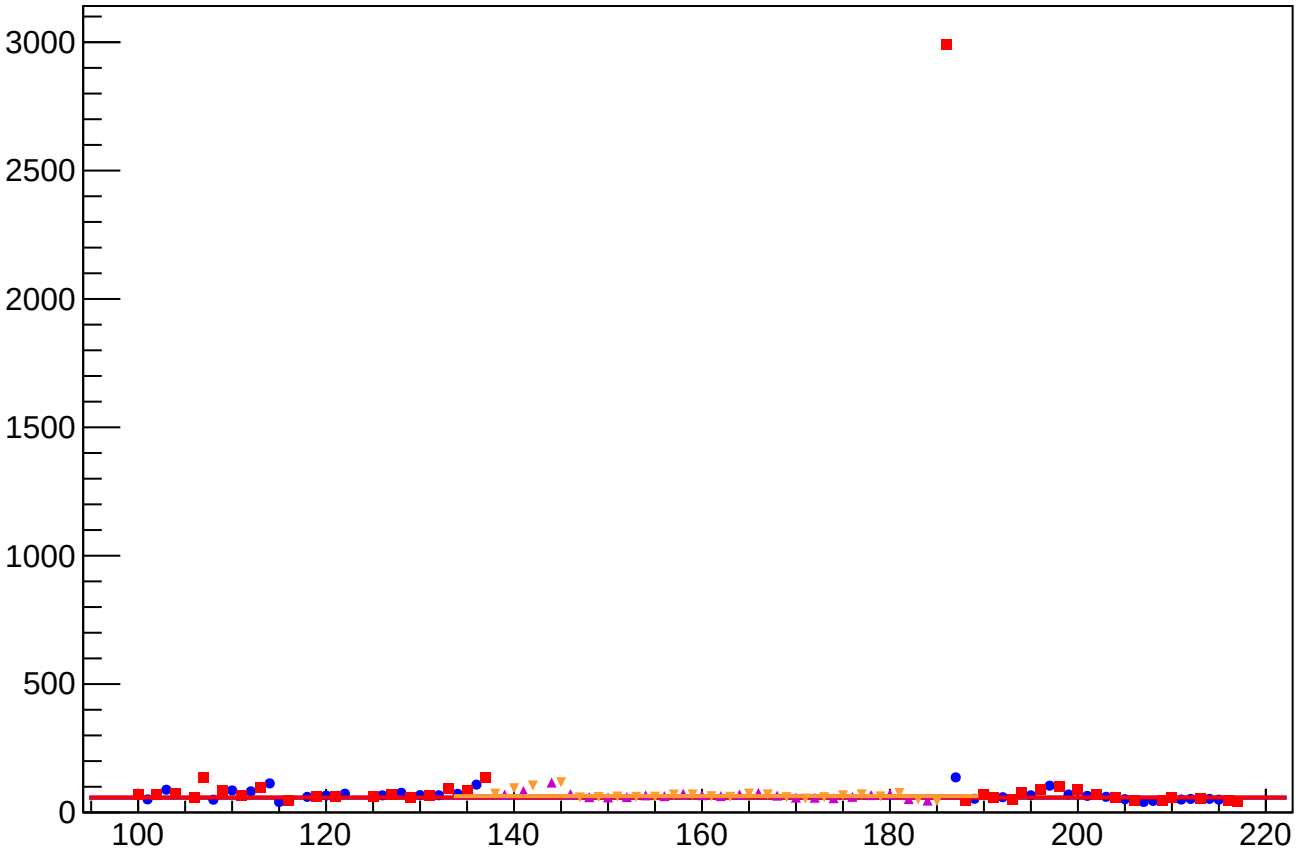
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.007+/-0.010 χ^2/NDF: 66.5/65

In: 0.002+/-0.010 χ^2/NDF:56.5/53

Out: -0.009+/-0.010 χ^2/NDF:61.8/58

All: -0.003+/-0.007 χ^2/NDF: 118.9/112



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: 58.347+/-0.010 χ^2/NDF: 3093401.2/34

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

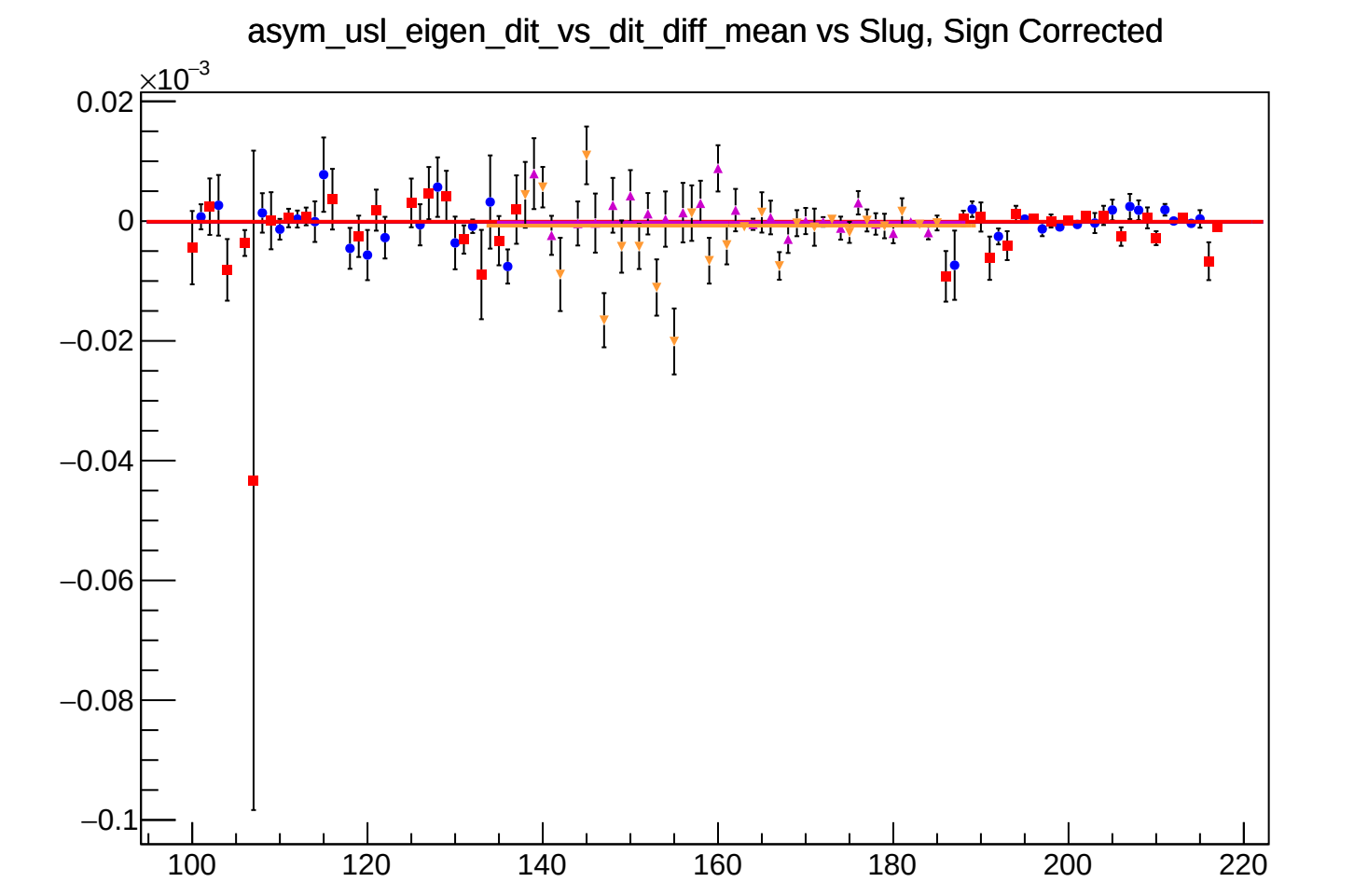
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 57.896+/-0.007 χ^2/NDF: 5002745.1/65

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

Out: 60.817+/-0.007 χ^2/NDF:4307779.9/58

All: 60.629+/-0.005 χ^2/NDF: 7250747.5/112



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 51.5/34

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

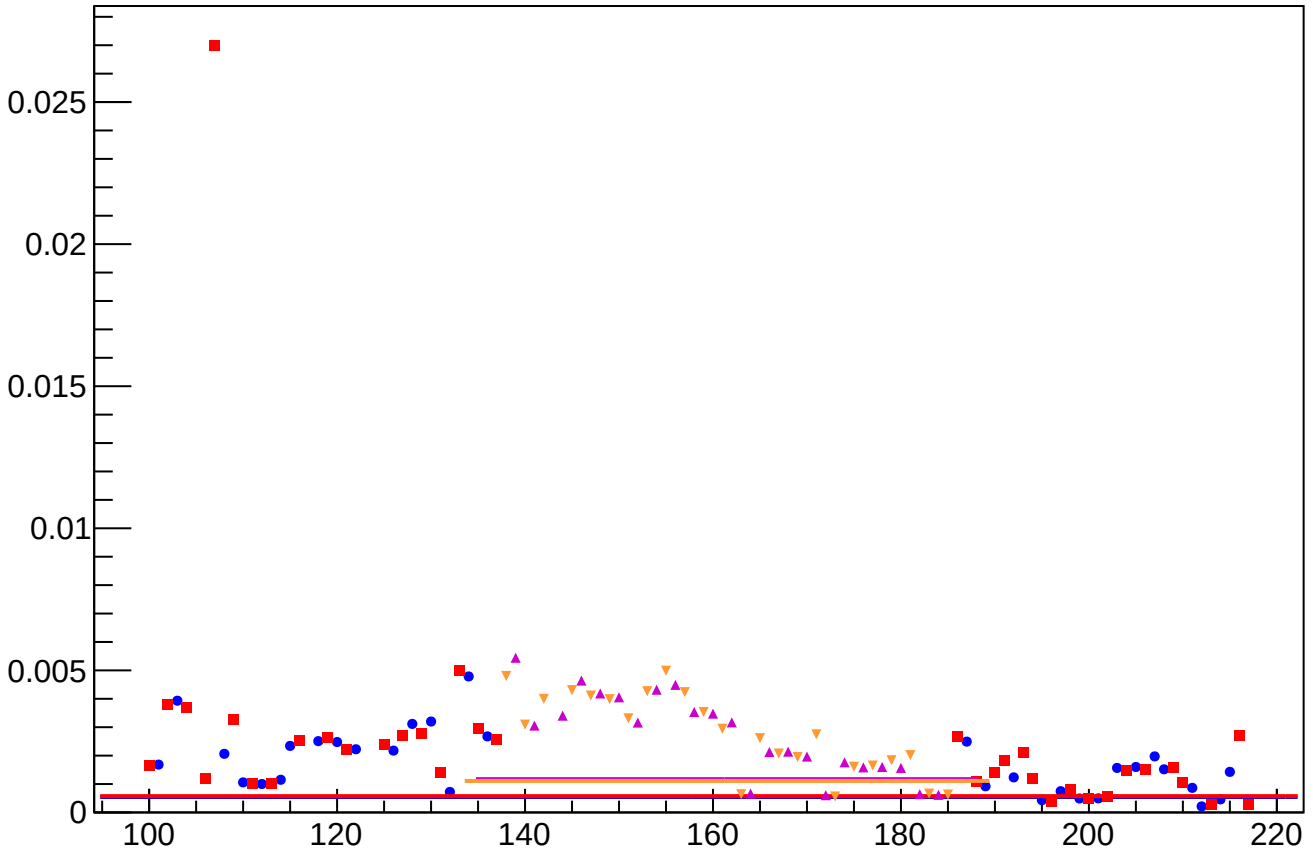
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 89.6/65

In: -0.000+/-0.000 χ^2/NDF:57.0/53

Out: -0.000+/-0.000 χ^2/NDF:114.3/58

All: -0.000+/-0.000 χ^2/NDF: 171.4/112



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: 16854202.9/34

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

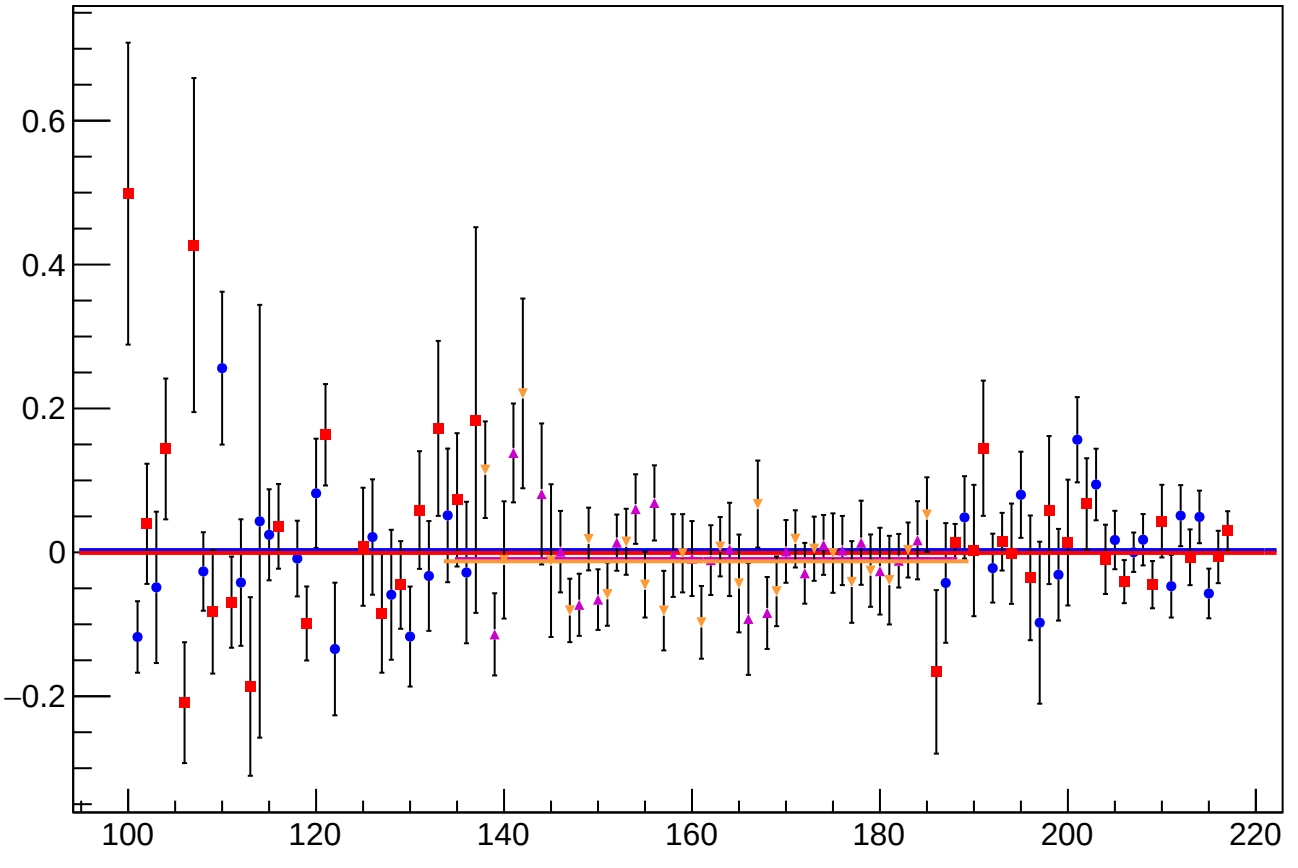
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 32476417.4/65

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

Out: 0.001+/-0.000 χ^2/NDF:35822624.7/58

All: 0.001+/-0.000 χ^2/NDF: 70690326.7/112



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: -0.001+/-0.009 χ^2/NDF: 48.9/34

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

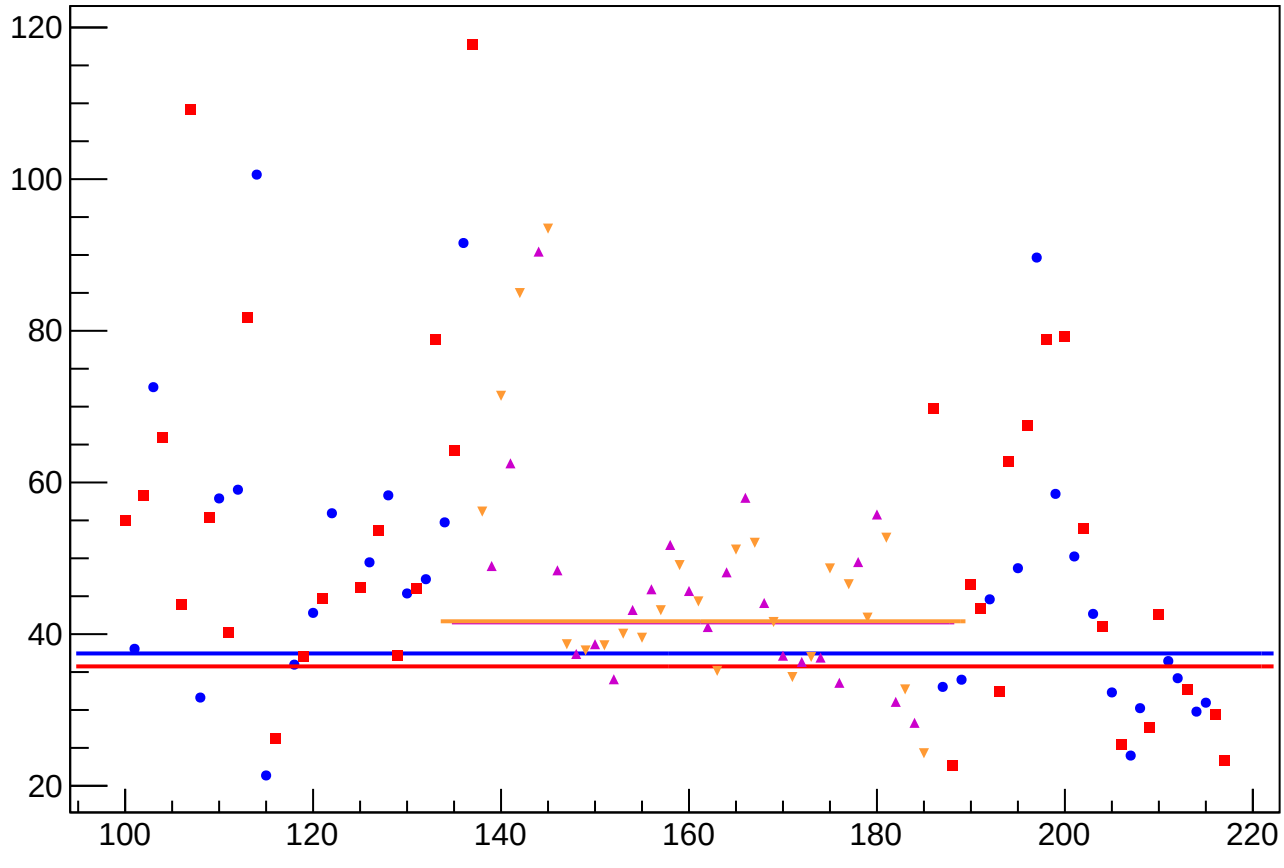
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.007 χ^2/NDF: 90.5/65

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.006+/-0.007 χ^2/NDF:71.5/58

All: -0.004+/-0.005 χ^2/NDF: 135.8/112



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: 35.747+/-0.007 χ^2/NDF: 5031631.6/34

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

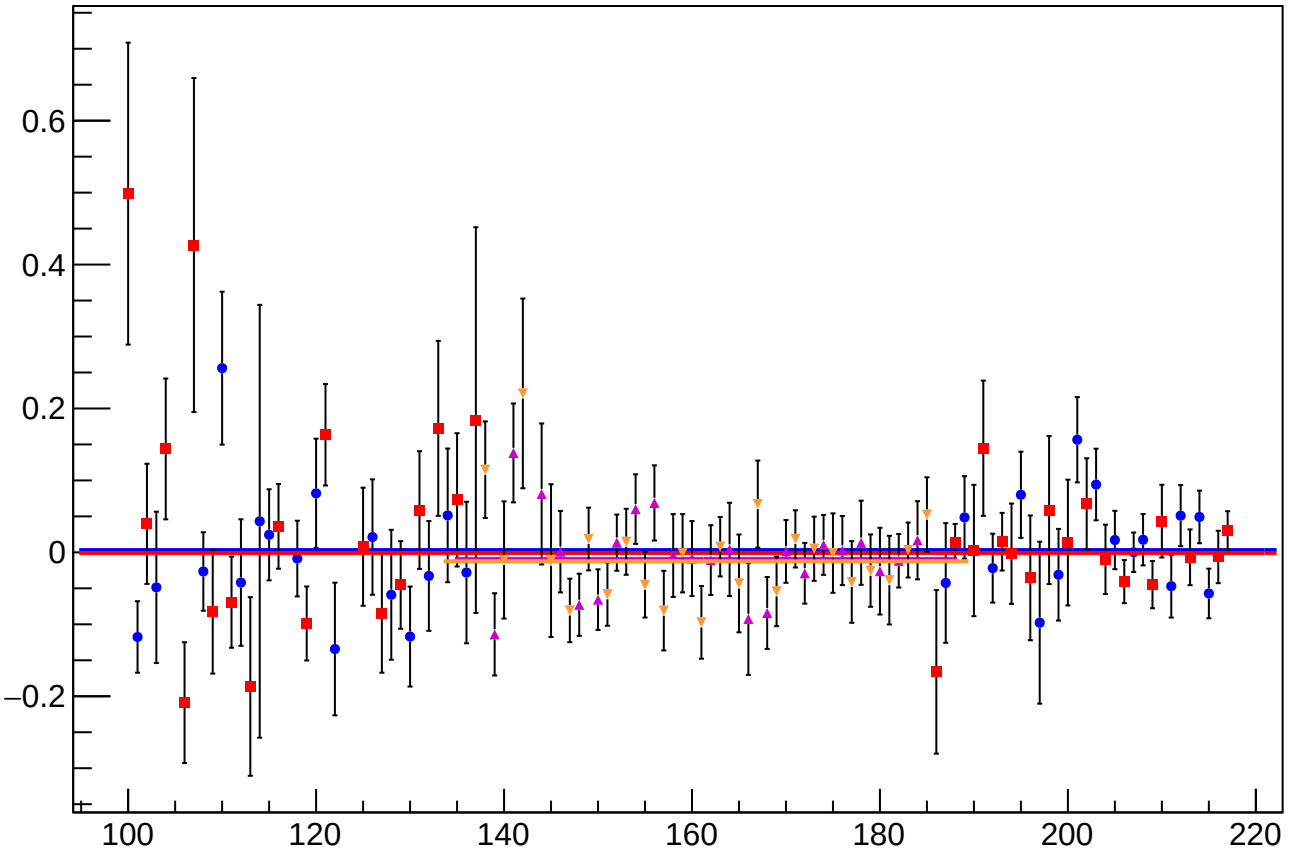
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 36.559+/-0.005 χ^2/NDF: 8359845.7/65

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

Out: 38.376+/-0.005 χ^2/NDF:7211922.0/58

All: 38.858+/-0.004 χ^2/NDF: 12303963.4/112



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: -0.001+/-0.009 χ^2/NDF: 48.9/34

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

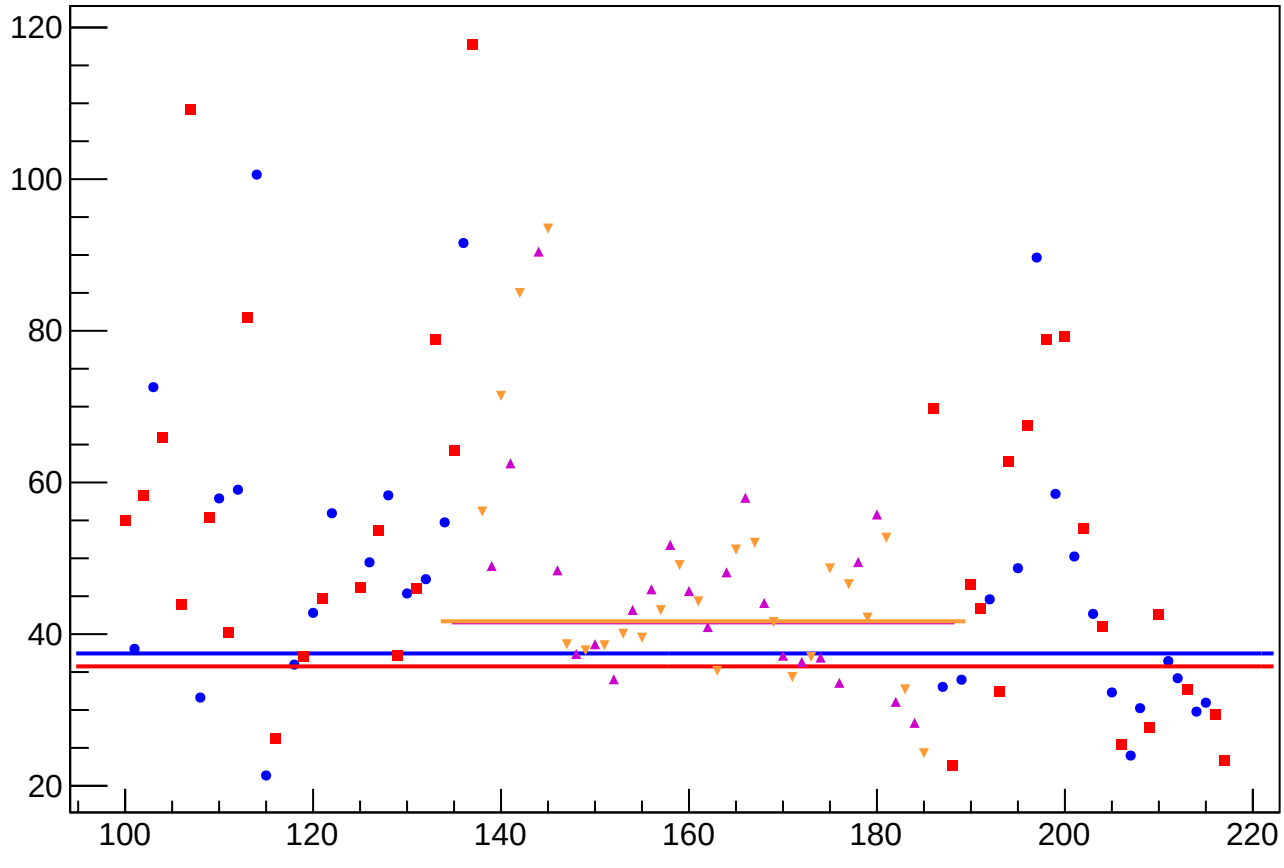
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.007 χ^2/NDF: 90.5/65

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.006+/-0.007 χ^2/NDF:71.5/58

All: -0.004+/-0.005 χ^2/NDF: 135.8/112



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: 35.747+/-0.007 χ^2/NDF: 5031631.6/34

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

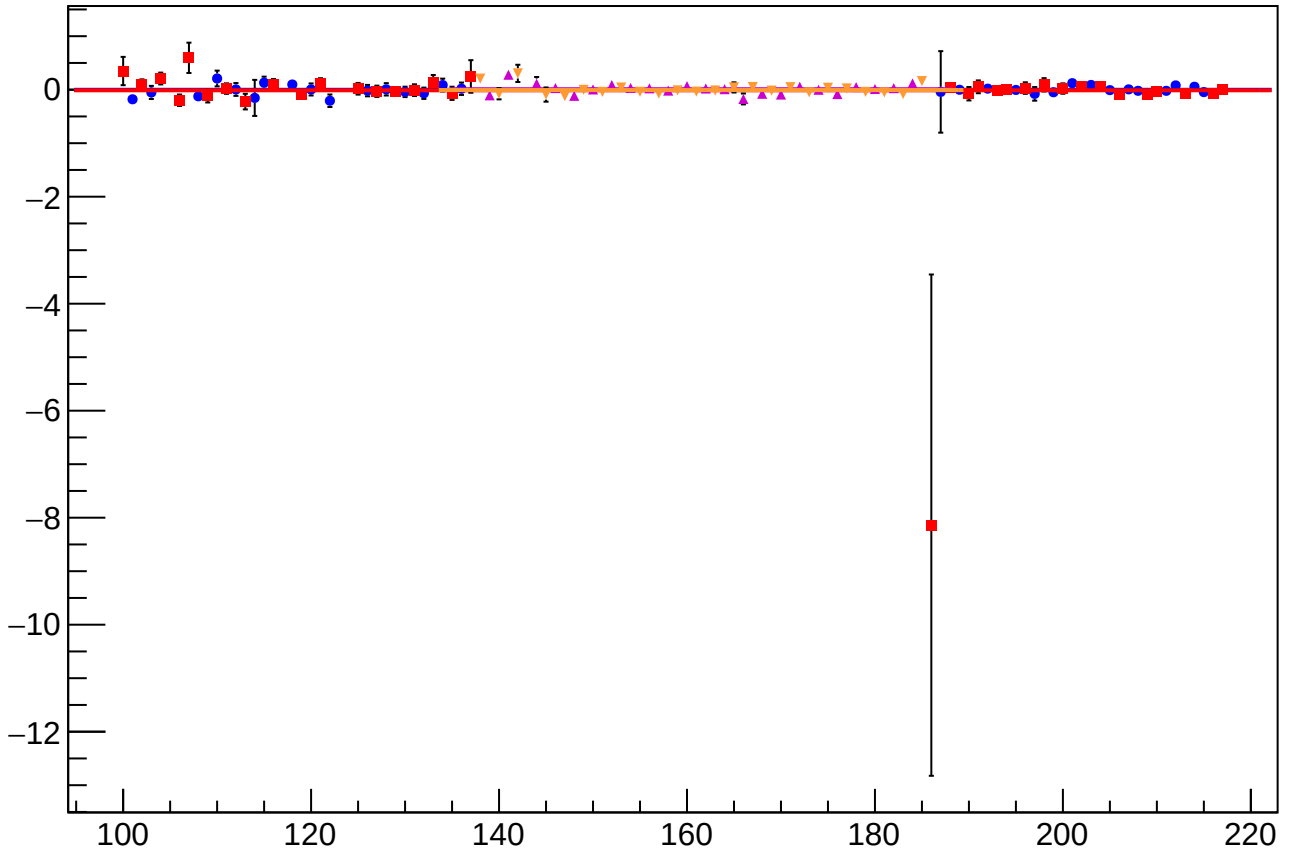
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 36.559+/-0.005 χ^2/NDF: 8359845.7/65

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

Out: 38.376+/-0.005 χ^2/NDF:7211922.0/58

All: 38.858+/-0.004 χ^2/NDF: 12303963.4/112



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: -0.011+/-0.014 χ^2/NDF: 38.1/34

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

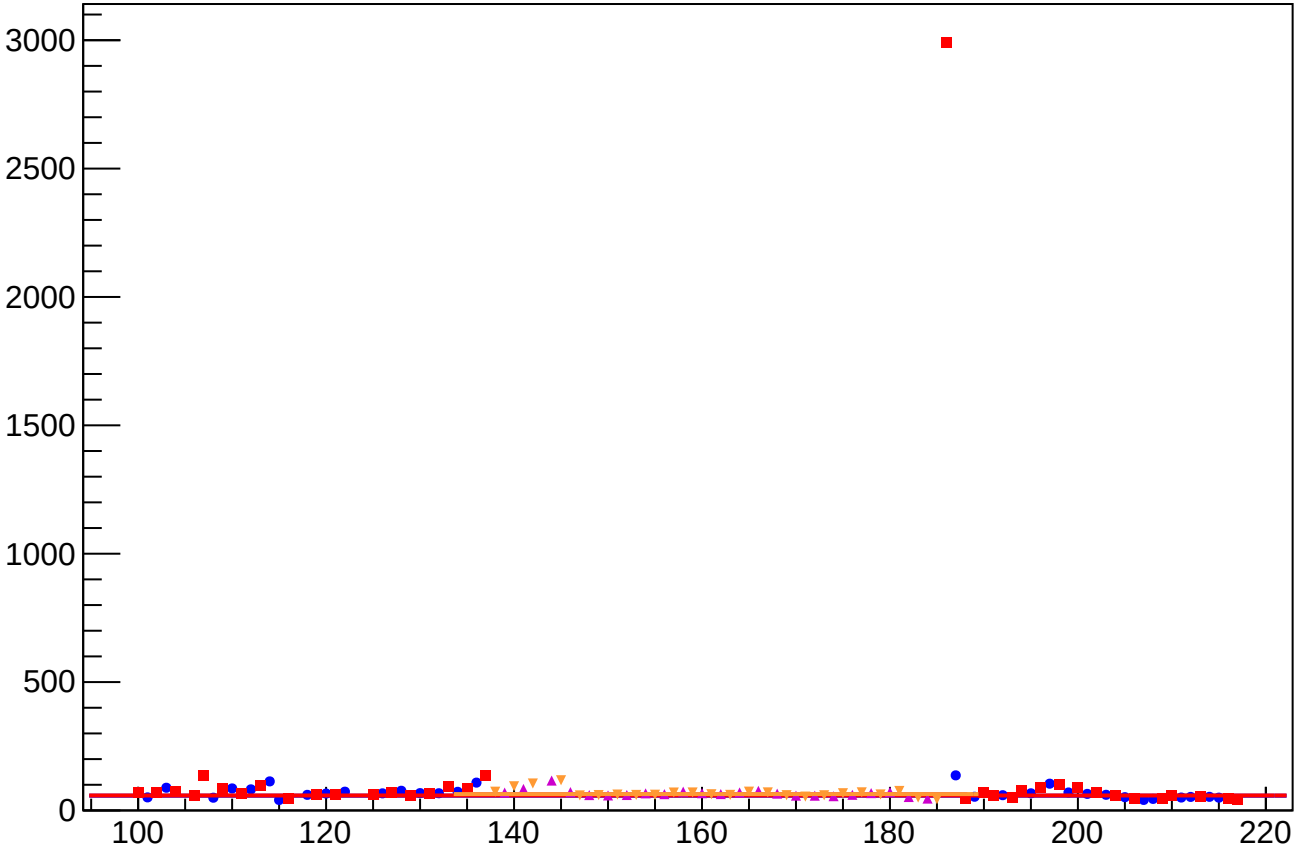
Right: -0.007+/-0.010 χ^2/NDF: 66.5/65

In: 0.002+/-0.010 χ^2/NDF:56.5/53

Out: -0.009+/-0.010 χ^2/NDF:61.8/58

All: -0.003+/-0.007 χ^2/NDF: 118.9/112

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: 58.346+/-0.010 χ^2/NDF: 3093383.7/34

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

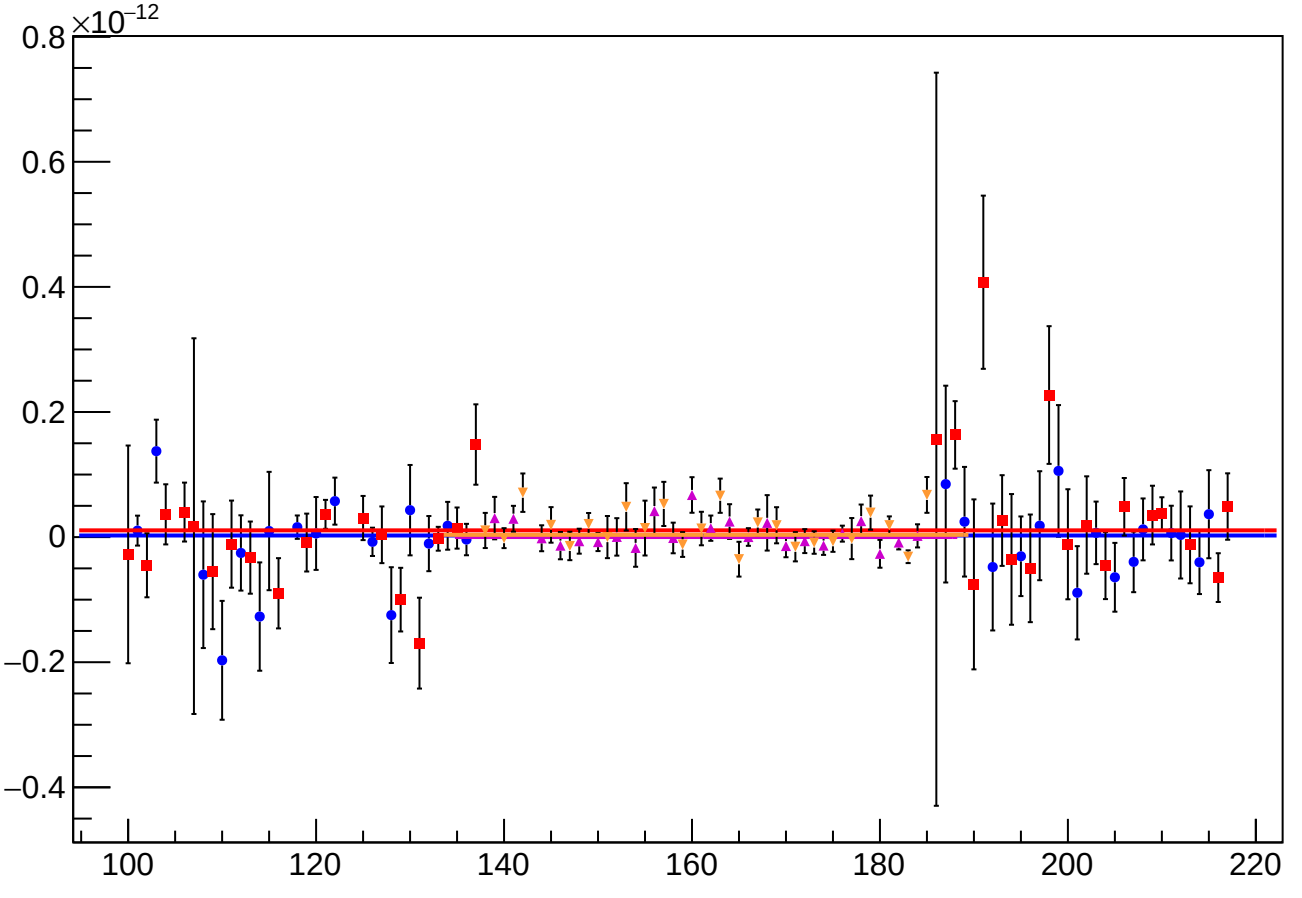
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 57.896+/-0.007 χ^2/NDF: 5002721.2/65

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

Out: 60.816+/-0.007 χ^2/NDF:4307766.5/58

All: 60.629+/-0.005 χ^2/NDF: 7250741.0/112



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: 52.9/34

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

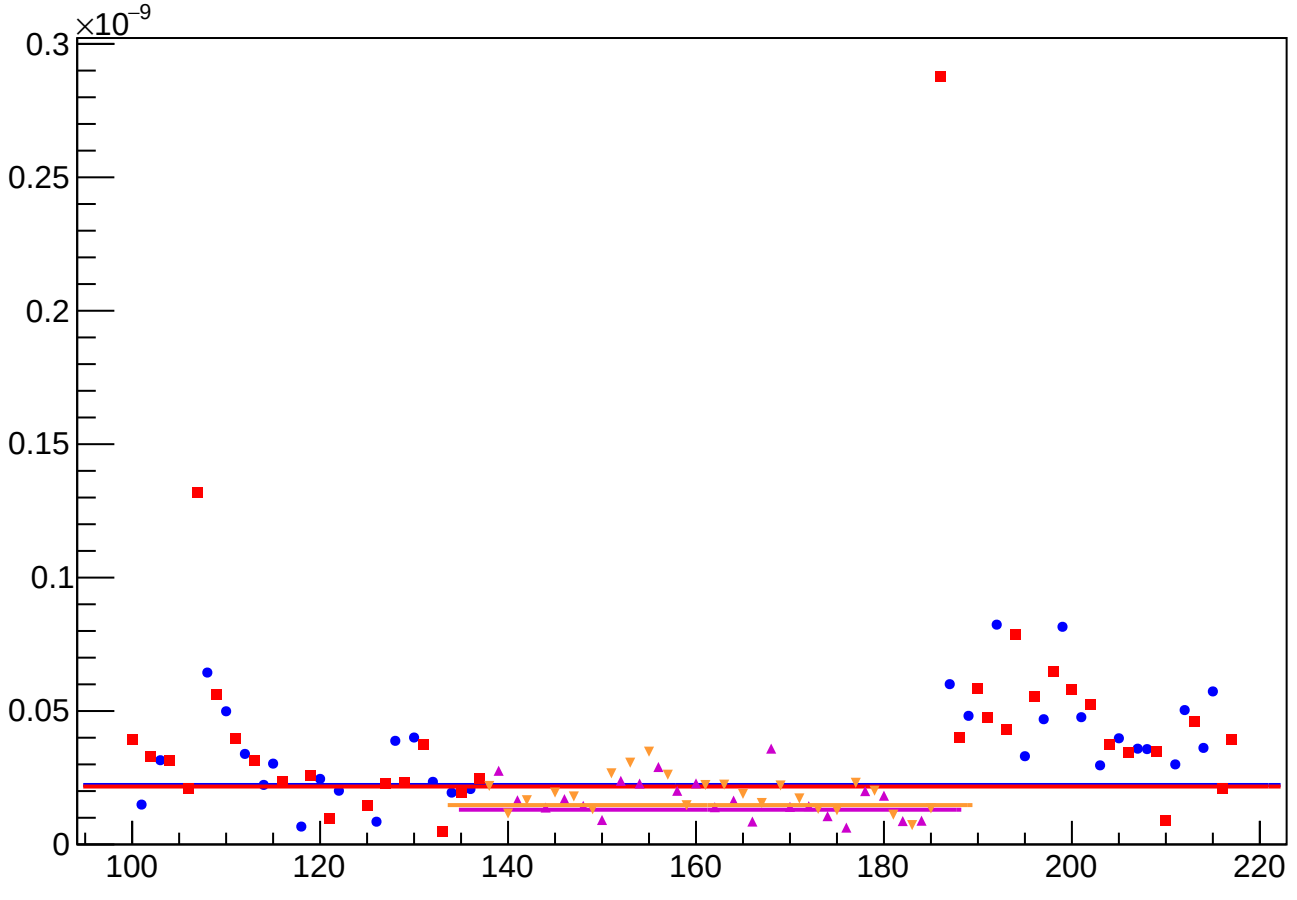
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 80.7/65

In: 0.000+/-0.000 χ^2/NDF:44.5/53

Out: 0.000+/-0.000 χ^2/NDF:94.1/58

All: 0.000+/-0.000 χ^2/NDF: 139.3/112



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: 7624415.3/34

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

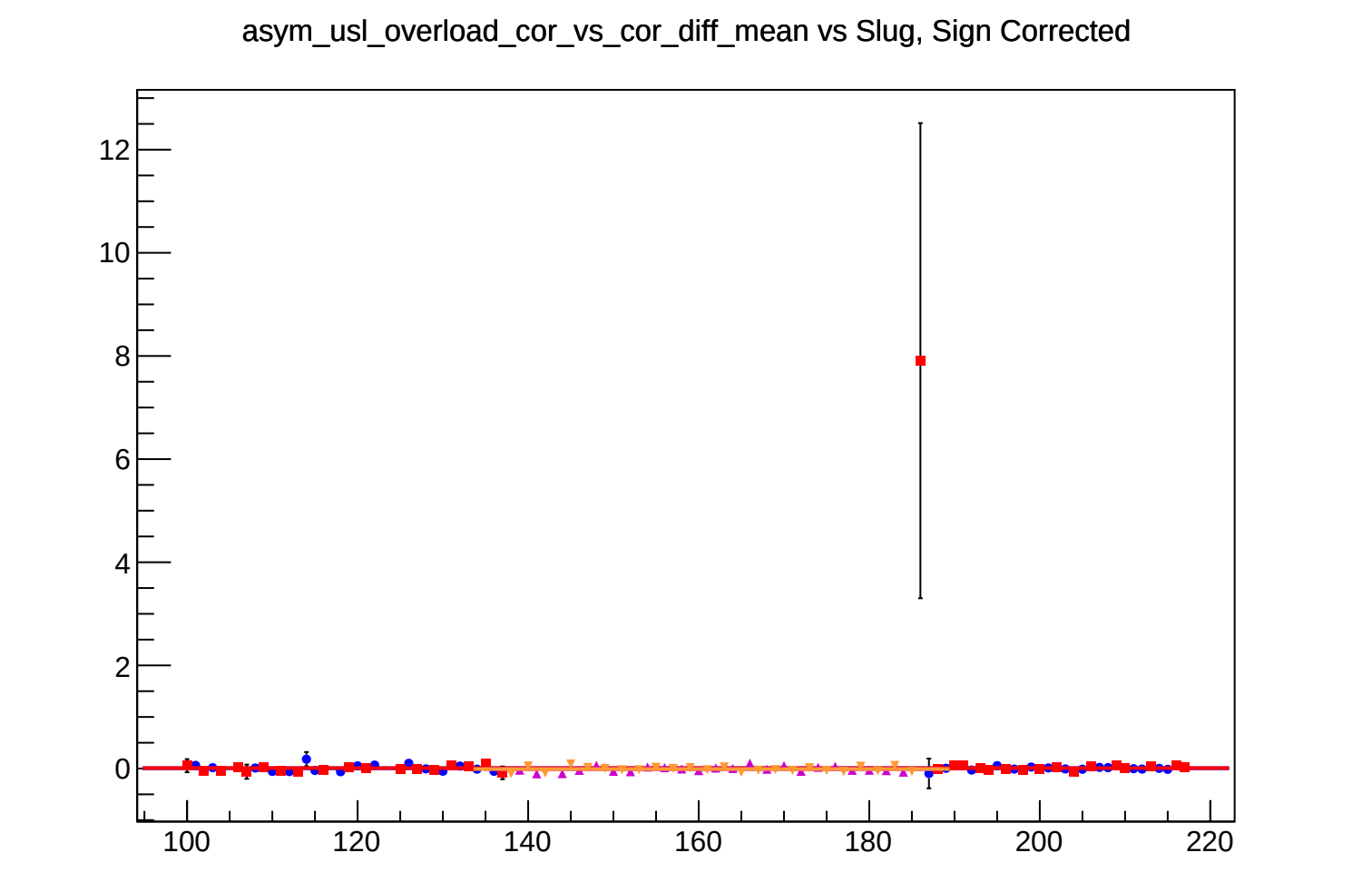
Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

Right: 0.000+/-0.000 χ^2/NDF: 14437976.4/65

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

Out: 0.000+/-0.000 χ^2/NDF:12319101.3/58

All: 0.000+/-0.000 χ^2/NDF: 25345109.6/112



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: 0.009+/-0.007 χ^2/NDF: 33.1/34

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

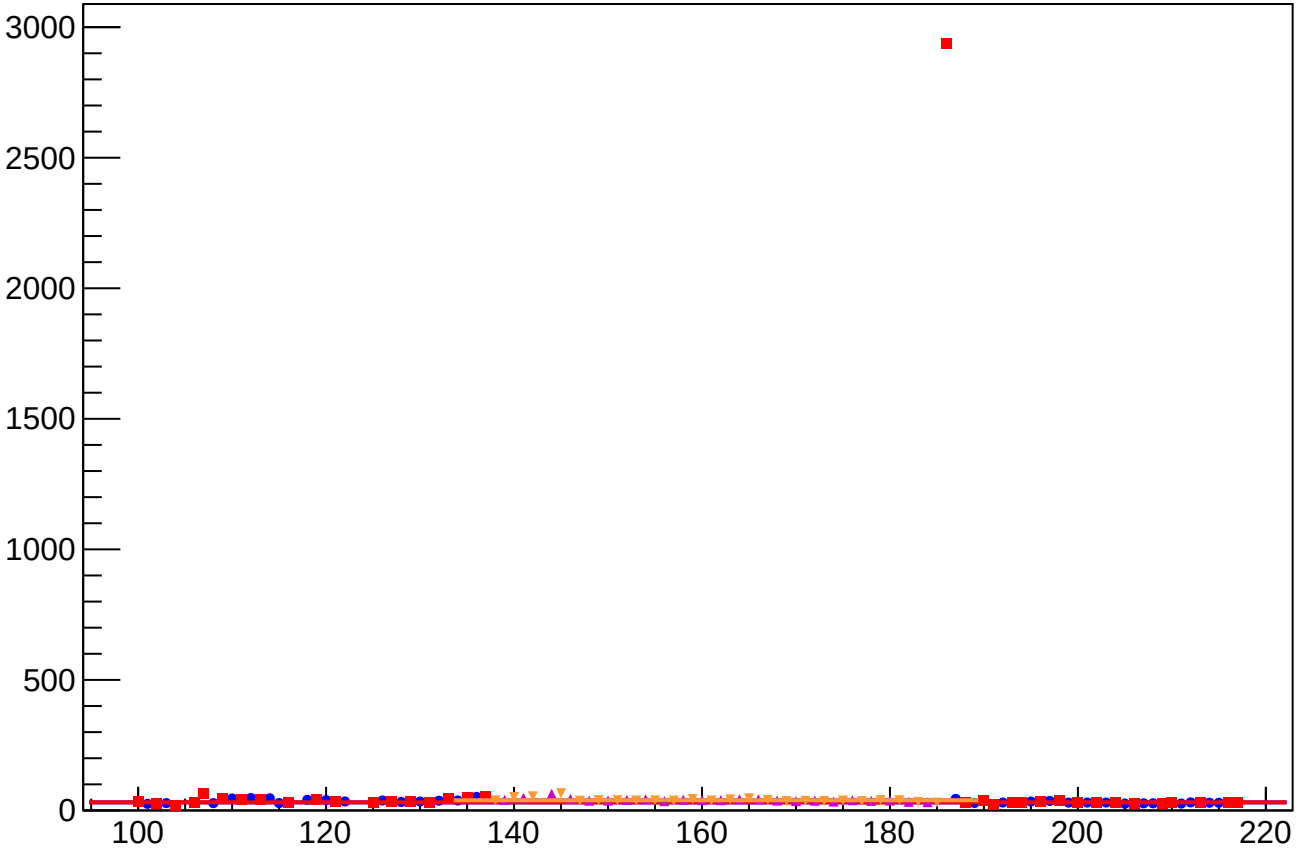
Right: 0.007+/-0.005 χ^2/NDF: 53.6/65

In: -0.001+/-0.006 χ^2/NDF:45.6/53

Out: 0.002+/-0.006 χ^2/NDF:55.0/58

All: 0.001+/-0.004 χ^2/NDF: 100.7/112

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: 31.201+/-0.005 χ^2/NDF: 2005150.7/34

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

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

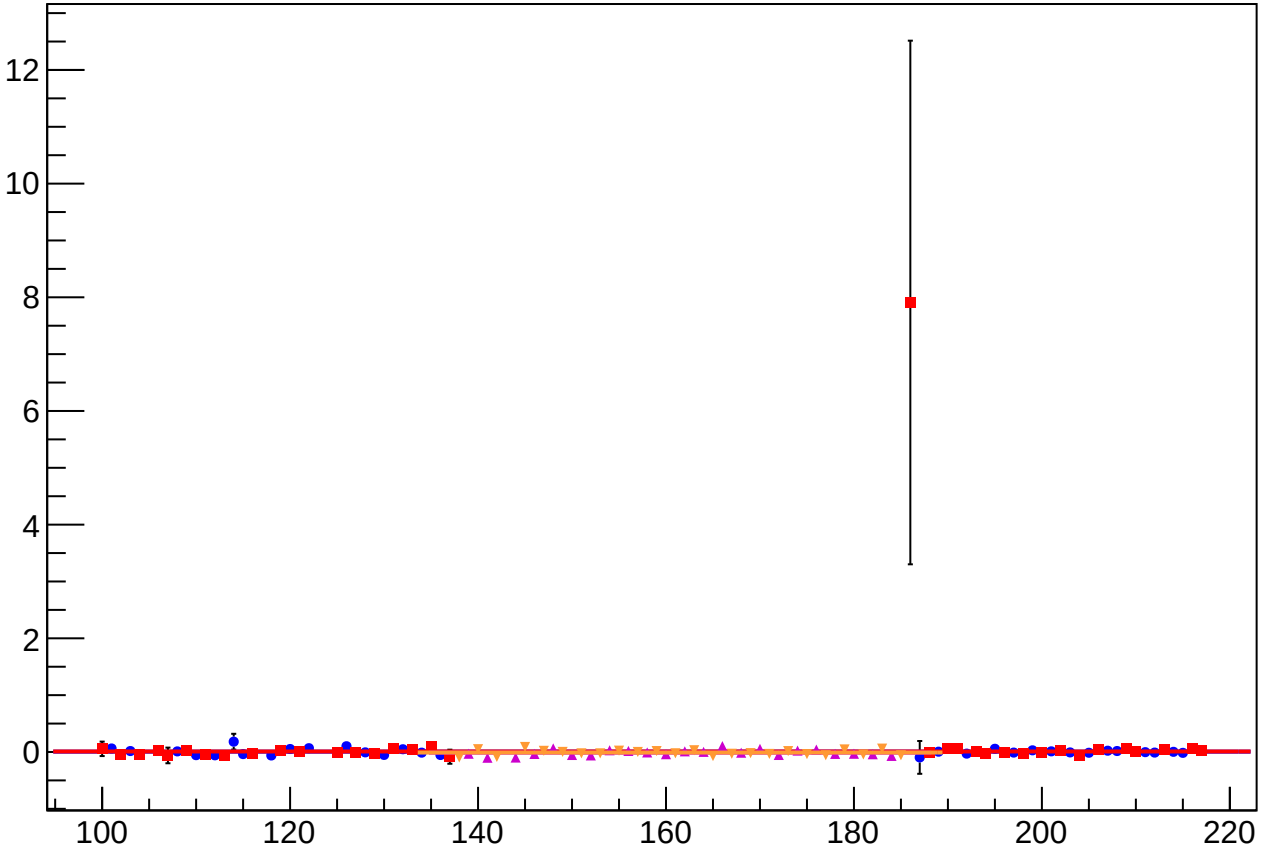
Right: 31.059+/-0.004 χ^2/NDF: 2978176.6/65

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

Out: 34.144+/-0.004 χ^2/NDF:3467443.2/58

All: 34.105+/-0.003 χ^2/NDF: 5886035.7/112

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: 0.009+/-0.007 χ^2/NDF: 33.1/34

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

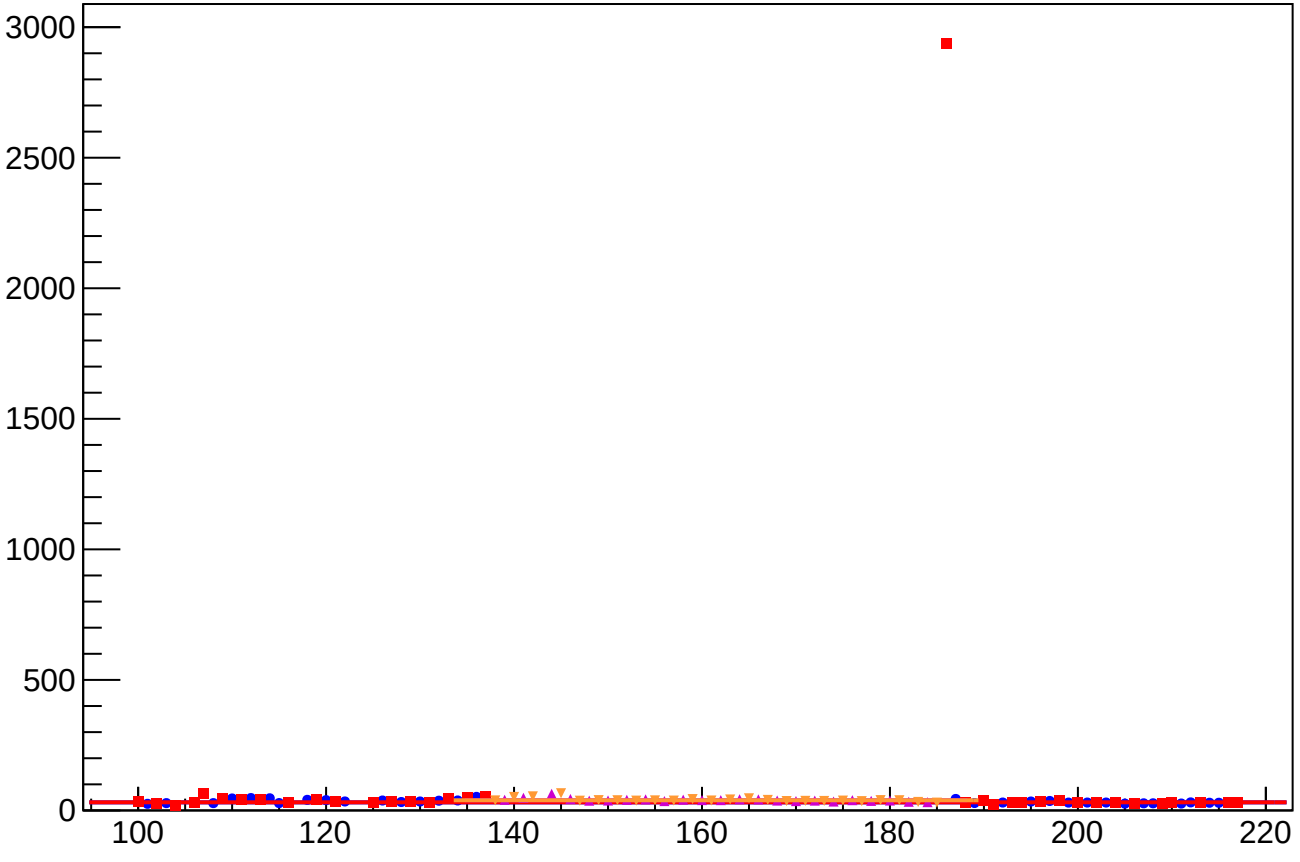
Right: 0.007+/-0.005 χ^2/NDF: 53.6/65

In: -0.001+/-0.006 χ^2/NDF:45.6/53

Out: 0.002+/-0.006 χ^2/NDF:55.0/58

All: 0.001+/-0.004 χ^2/NDF: 100.7/112

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: 31.201+/-0.005 χ^2/NDF: 2005150.7/34

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

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

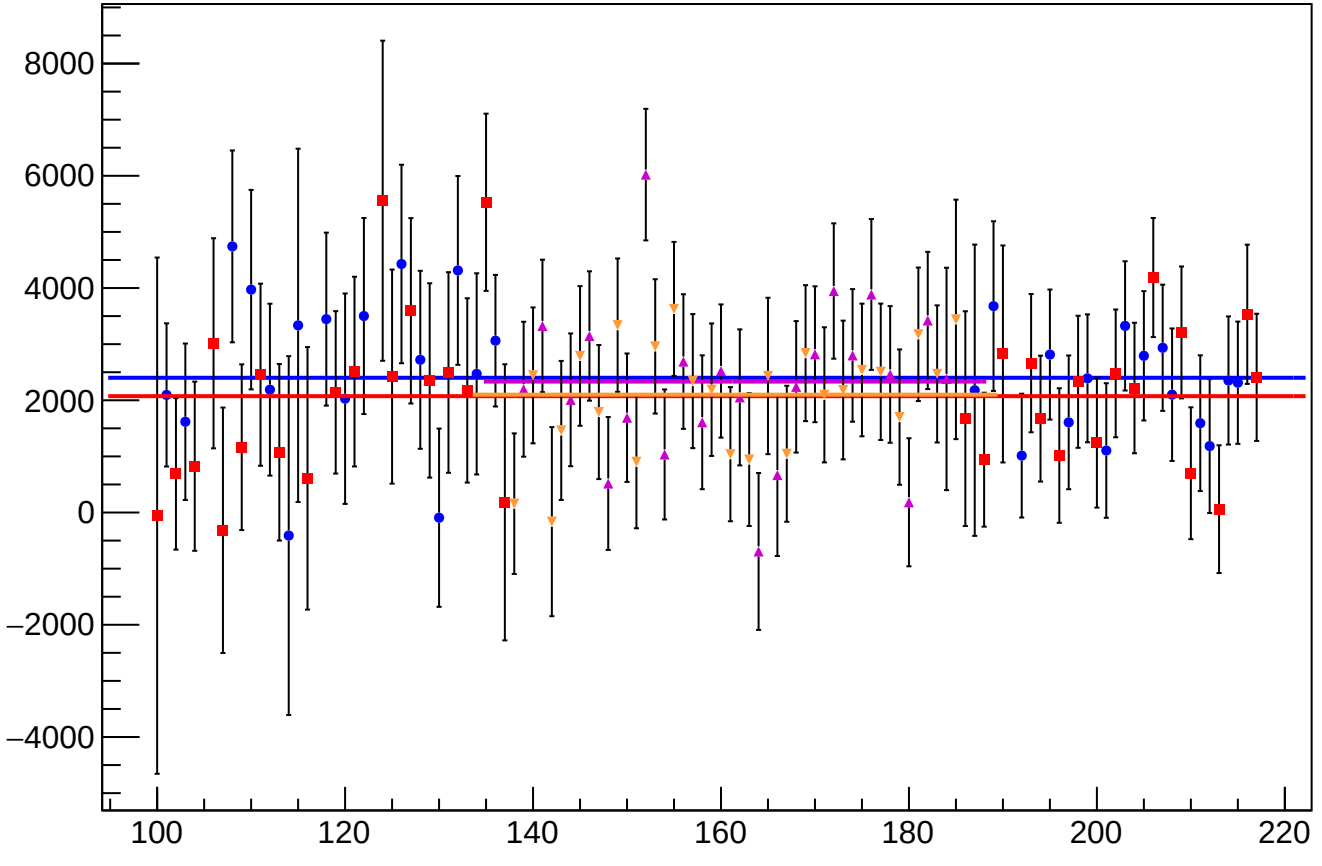
Right: 31.059+/-0.004 χ^2/NDF: 2978176.6/65

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

Out: 34.144+/-0.004 χ^2/NDF:3467443.2/58

All: 34.105+/-0.003 χ^2/NDF: 5886035.7/112

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: 2073.302+/-242.209 χ^2/NDF: 26.3/34

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

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

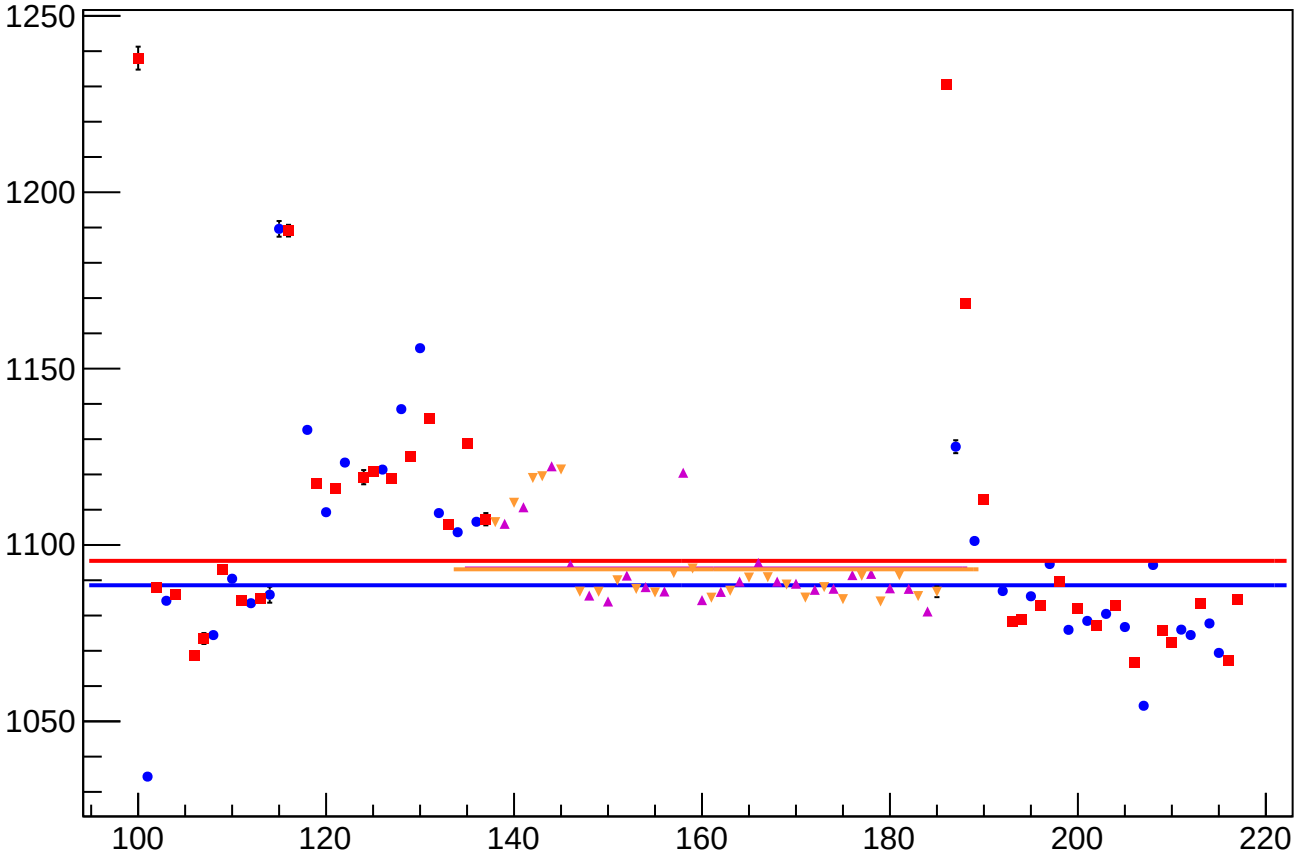
Right: 2233.438+/-173.204 χ^2/NDF: 44.1/65

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

Out: 2086.513+/-173.383 χ^2/NDF:40.2/59

All: 2223.719+/-124.133 χ^2/NDF: 87.8/113

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: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

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

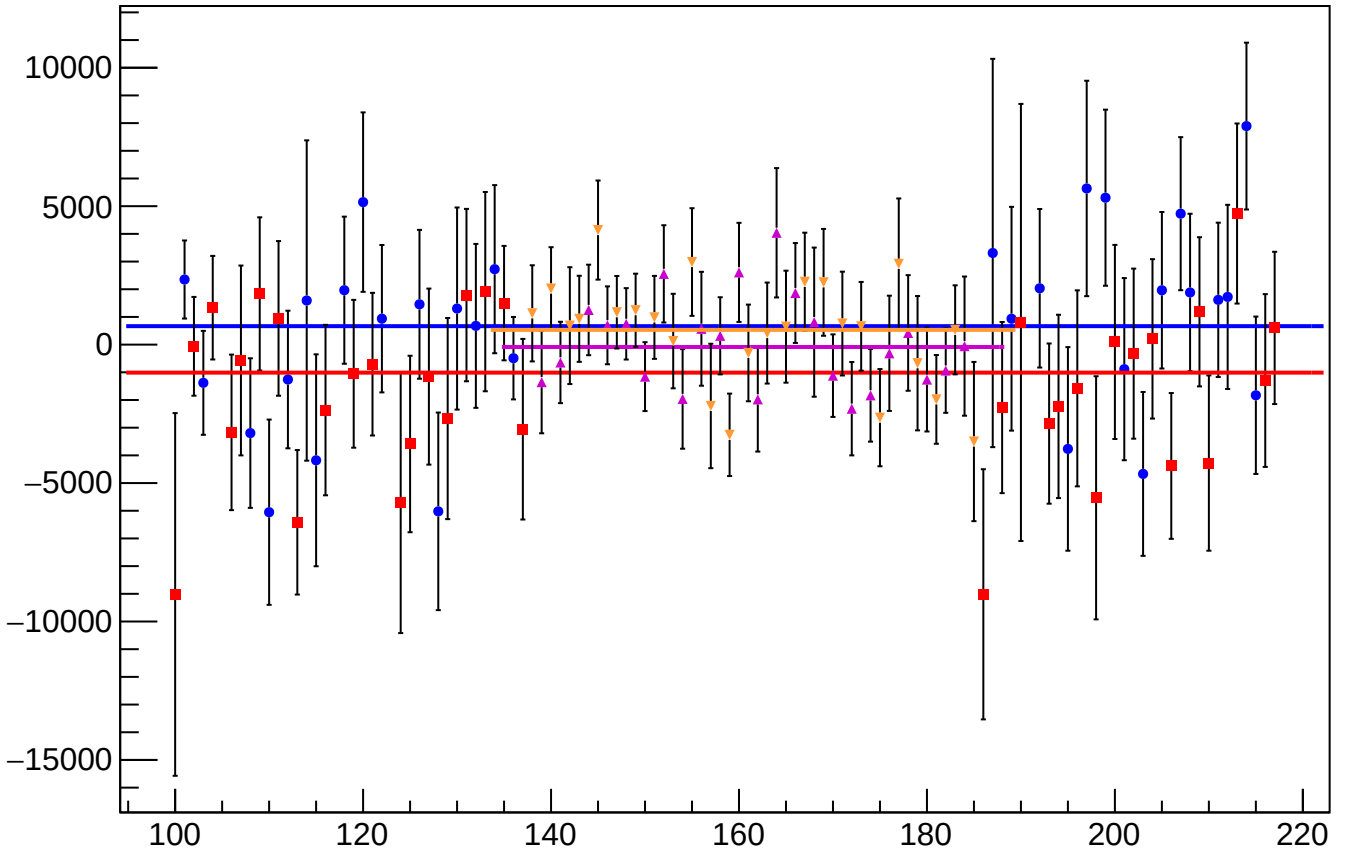
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1092.119+/-0.122 χ^2/NDF: 55393.0/65

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

Out: 1094.330+/-0.123 χ^2/NDF:38425.9/59

All: 1092.653+/-0.088 χ^2/NDF: 63141.8/113



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: -1011.510+/-500.230 χ^2/NDF: 27.4/34

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

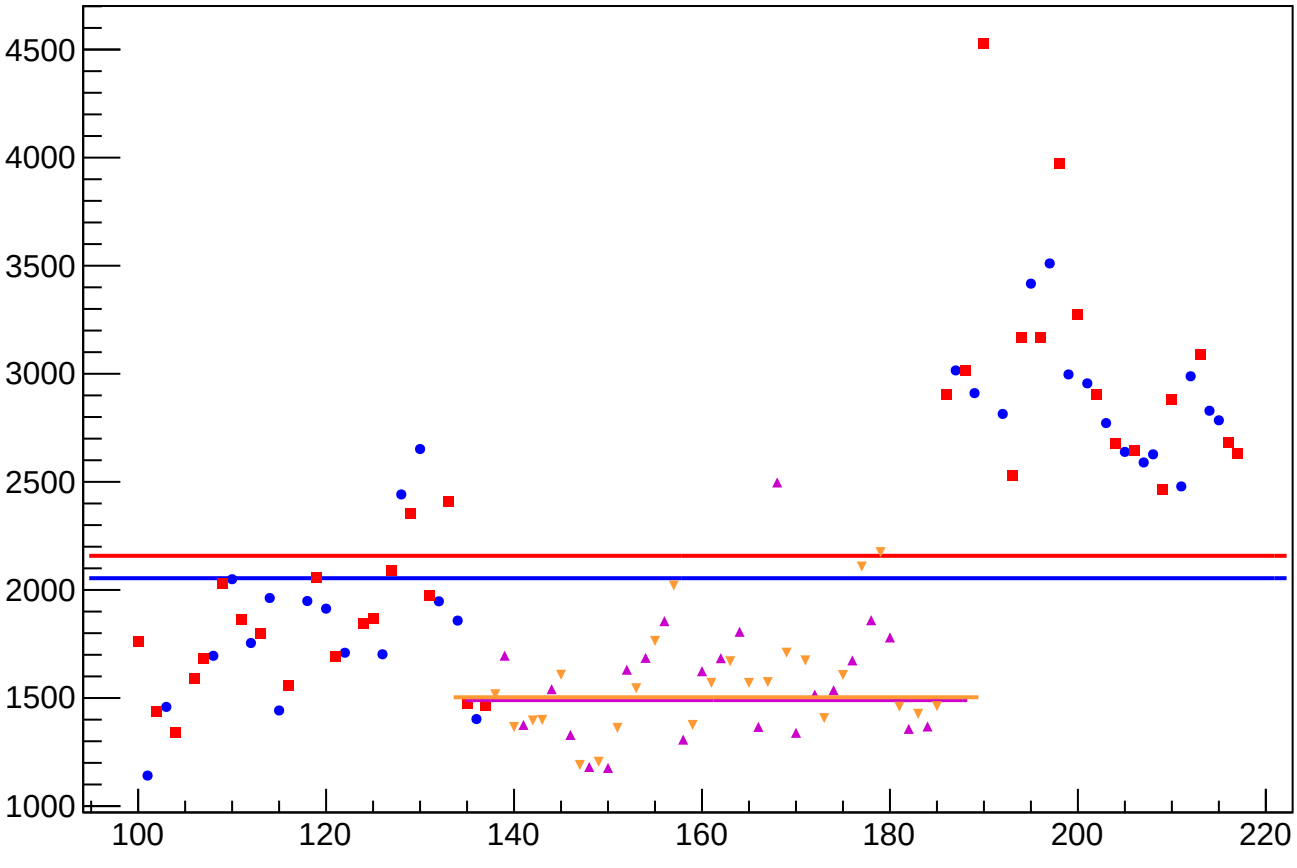
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -161.765+/-351.454 χ^2/NDF: 69.2/65

In: 169.796+/-287.690 χ^2/NDF:55.7/53

Out: 30.790+/-285.241 χ^2/NDF:60.2/59

All: 99.699+/-202.556 χ^2/NDF: 116.1/113



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: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

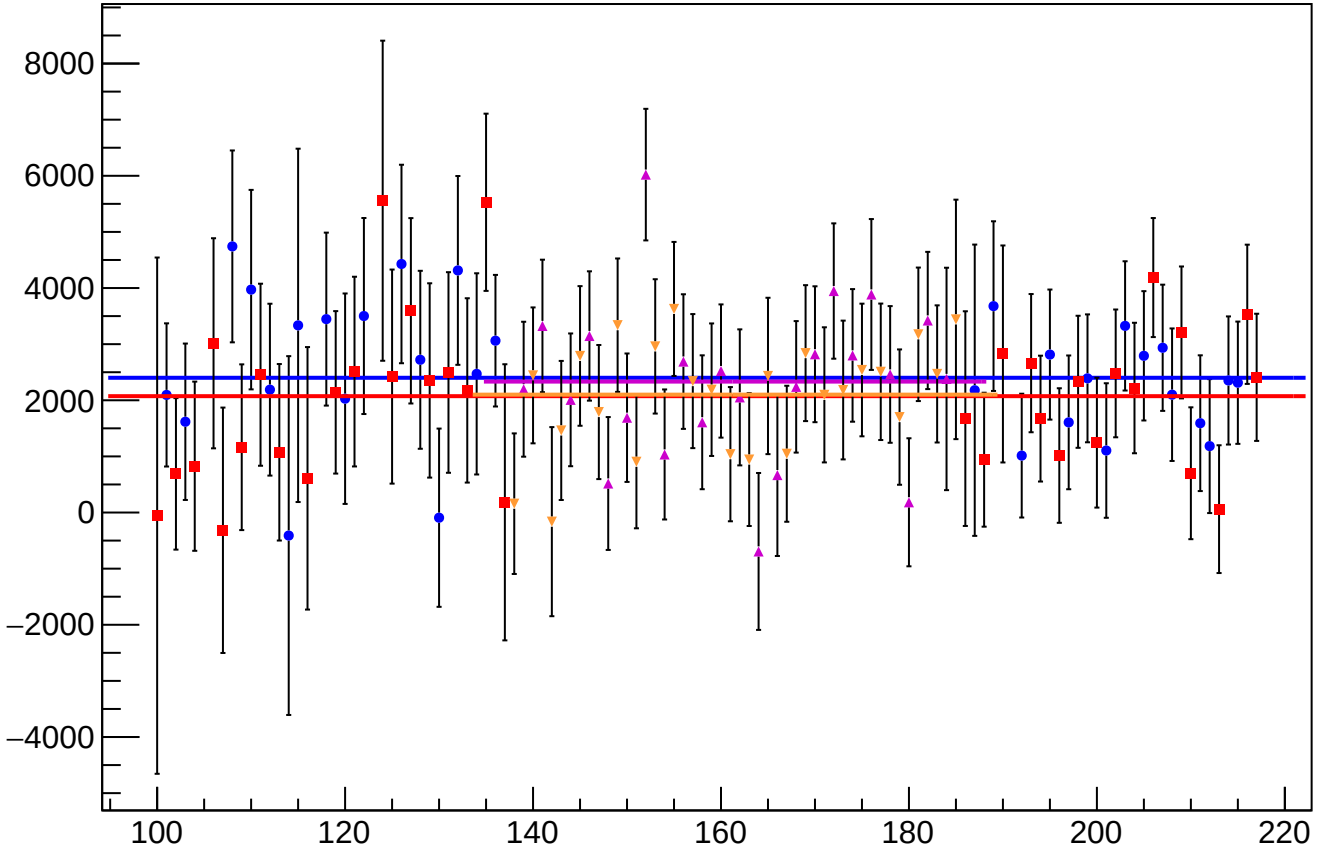
Right: 2105.475+/-0.249 χ^2/NDF: 7104116.0/65

In: 1681.689+/-0.203 χ^2/NDF:6371247.0/53

Out: 1716.243+/-0.202 χ^2/NDF:6491166.0/59

All: 1699.114+/-0.143 χ^2/NDF: 12876962.6/1

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: 2073.302+/-242.209 χ^2/NDF: 26.3/34

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

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

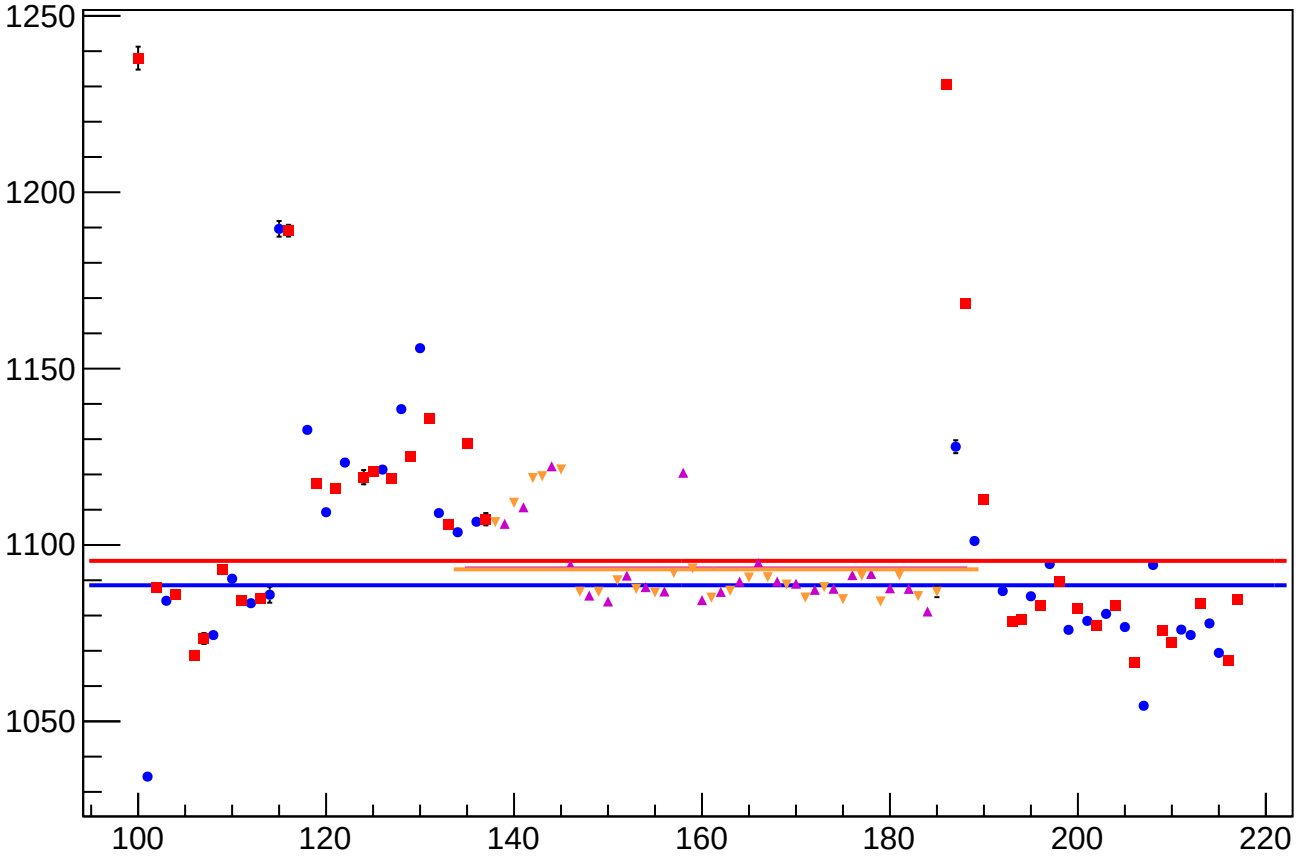
Right: 2233.438+/-173.204 χ^2/NDF: 44.1/65

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

Out: 2086.513+/-173.383 χ^2/NDF:40.2/59

All: 2223.719+/-124.133 χ^2/NDF: 87.8/113

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: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

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

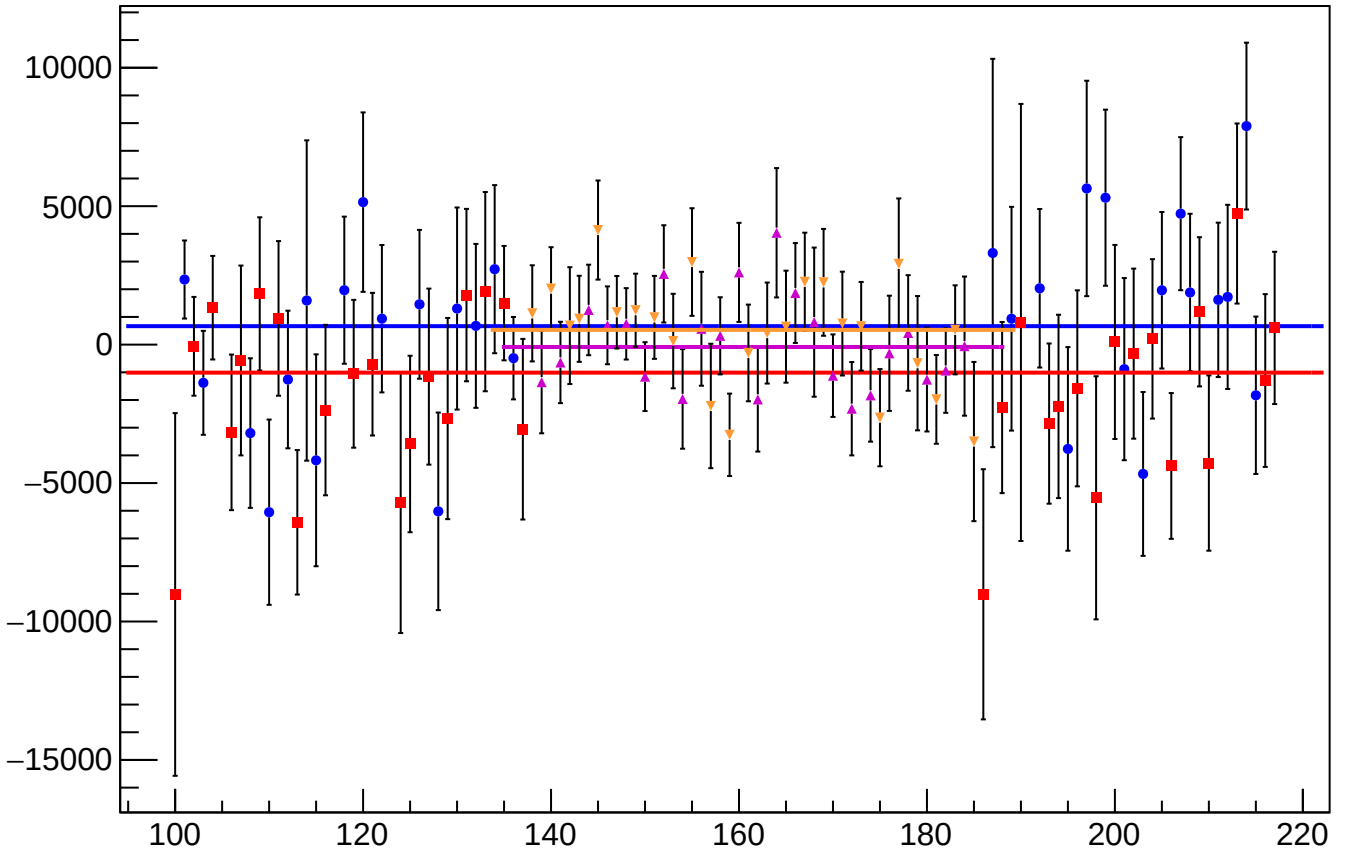
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1092.119+/-0.122 χ^2/NDF: 55393.0/65

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

Out: 1094.330+/-0.123 χ^2/NDF:38425.9/59

All: 1092.653+/-0.088 χ^2/NDF: 63141.8/113



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: -1011.510+/-500.230 χ^2/NDF: 27.4/34

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

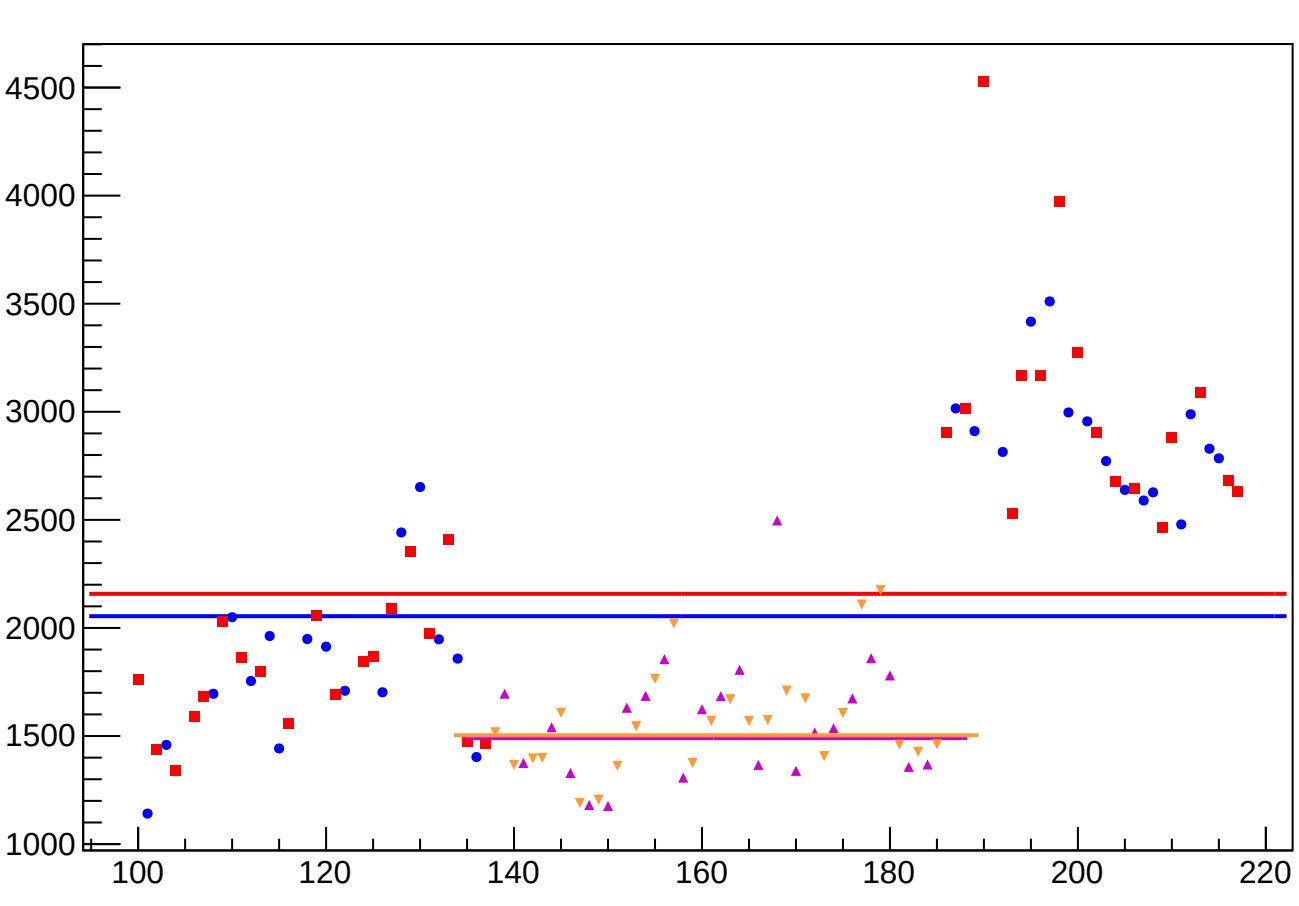
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -161.765+/-351.454 χ^2/NDF: 69.2/65

In: 169.796+/-287.690 χ^2/NDF:55.7/53

Out: 30.790+/-285.241 χ^2/NDF:60.2/59

All: 99.699+/-202.556 χ^2/NDF: 116.1/113



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: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

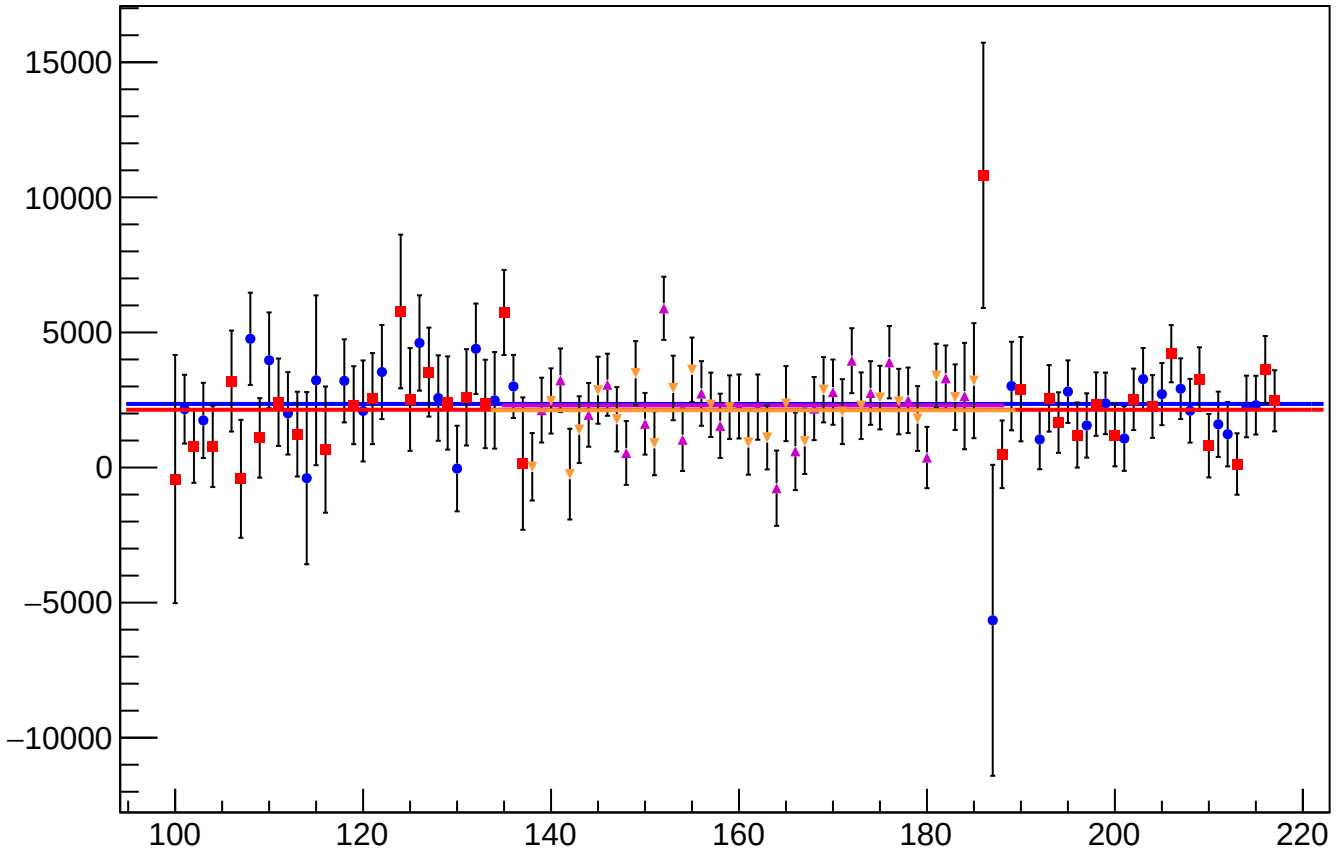
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2105.475+/-0.249 χ^2/NDF: 7104116.0/65

In: 1681.689+/-0.203 χ^2/NDF:6371247.0/53

Out: 1716.243+/-0.202 χ^2/NDF:6491166.0/59

All: 1699.114+/-0.143 χ^2/NDF: 12876962.6/1



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: 2138.819+/-244.012 χ^2/NDF: 31.0/34

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

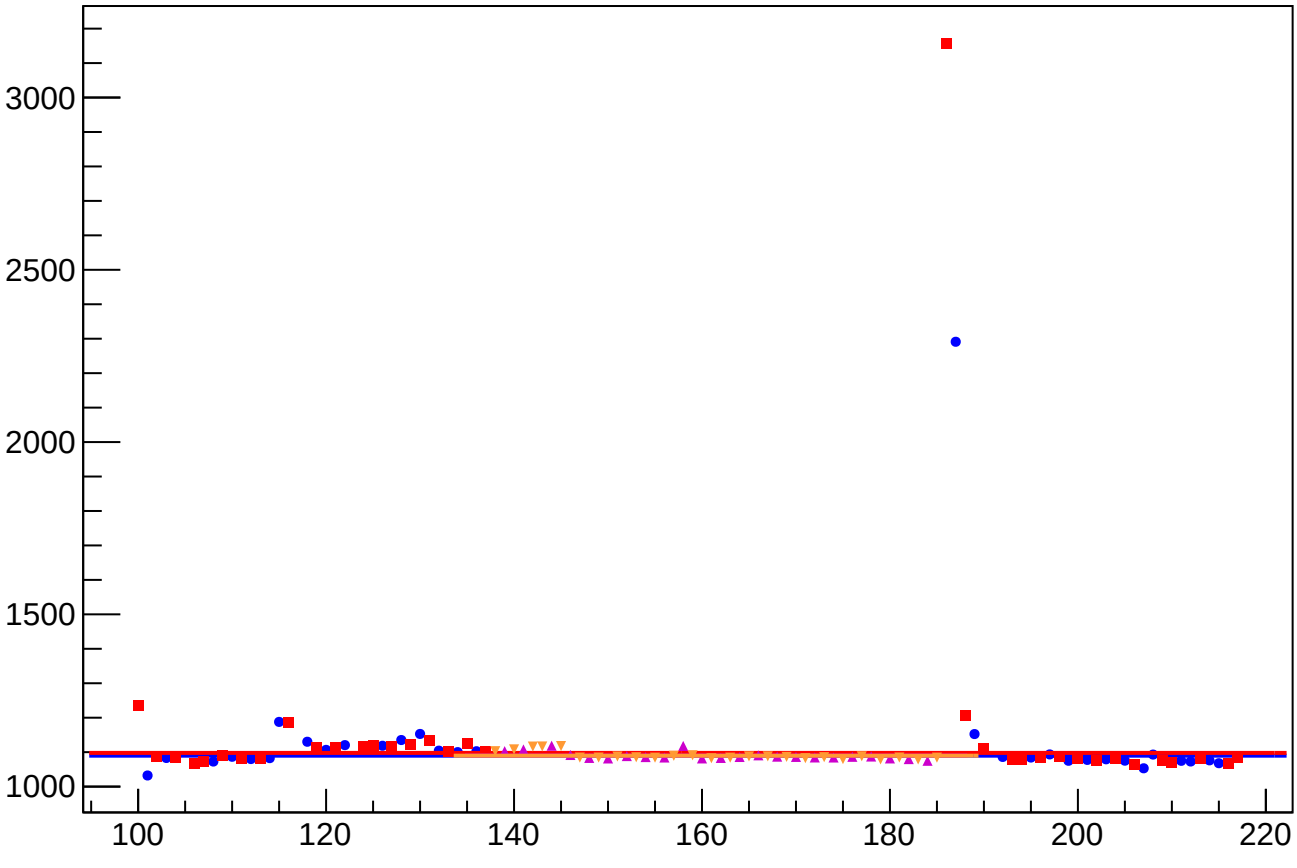
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2244.346+/-174.202 χ^2/NDF: 49.4/65

In: 2330.274+/-177.899 χ^2/NDF:46.5/53

Out: 2129.532+/-173.778 χ^2/NDF:46.1/59

All: 2227.551+/-124.311 χ^2/NDF: 93.3/113



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: 1097.834+/-0.173 χ^2/NDF: 384082.9/34

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

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

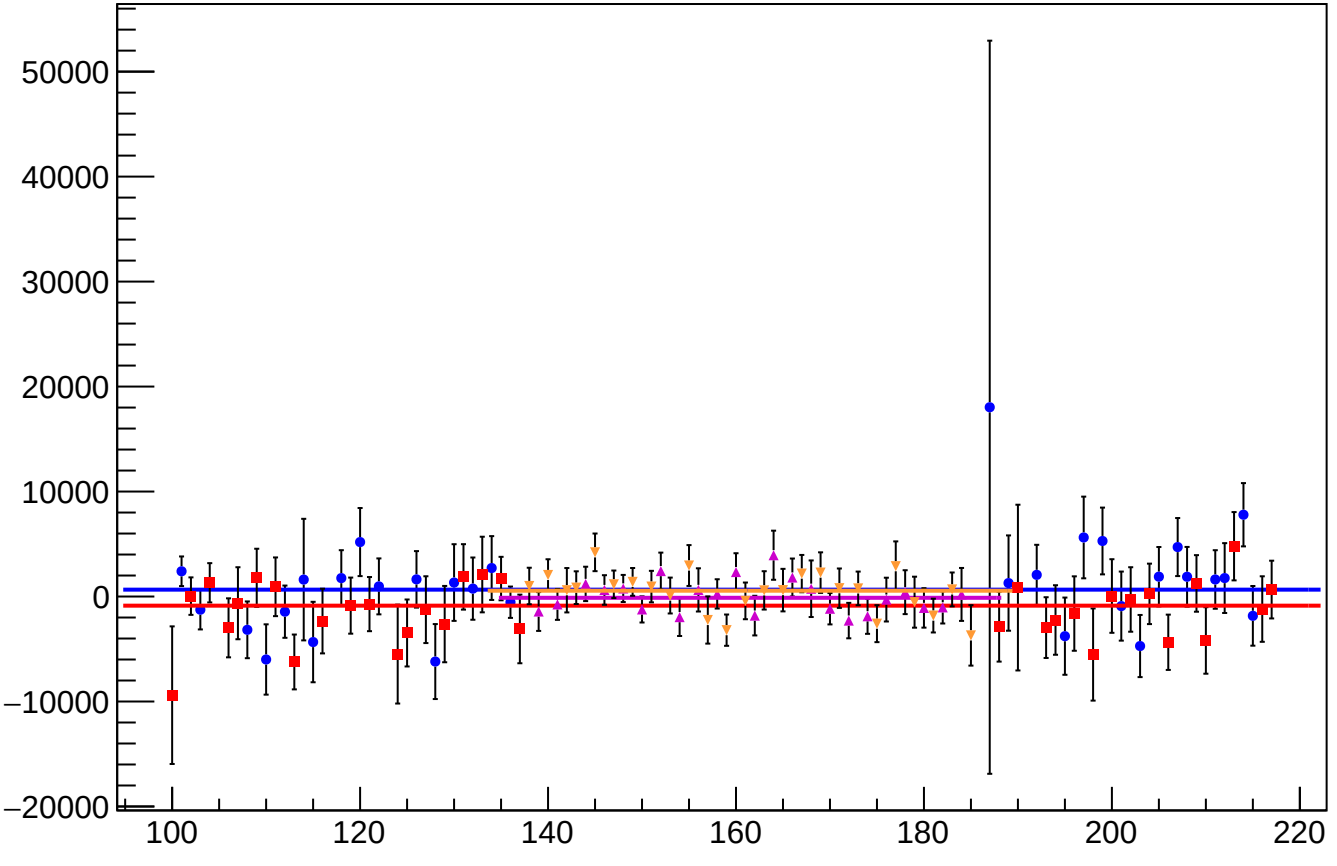
Right: 1093.891+/-0.123 χ^2/NDF: 494641.2/65

In: 1089.877+/-0.126 χ^2/NDF:113389.9/53

Out: 1093.847+/-0.123 χ^2/NDF:389224.1/59

All: 1091.908+/-0.088 χ^2/NDF: 503123.7/113

asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected



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: -870.536+/-504.613 χ^2/NDF: 24.3/33

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

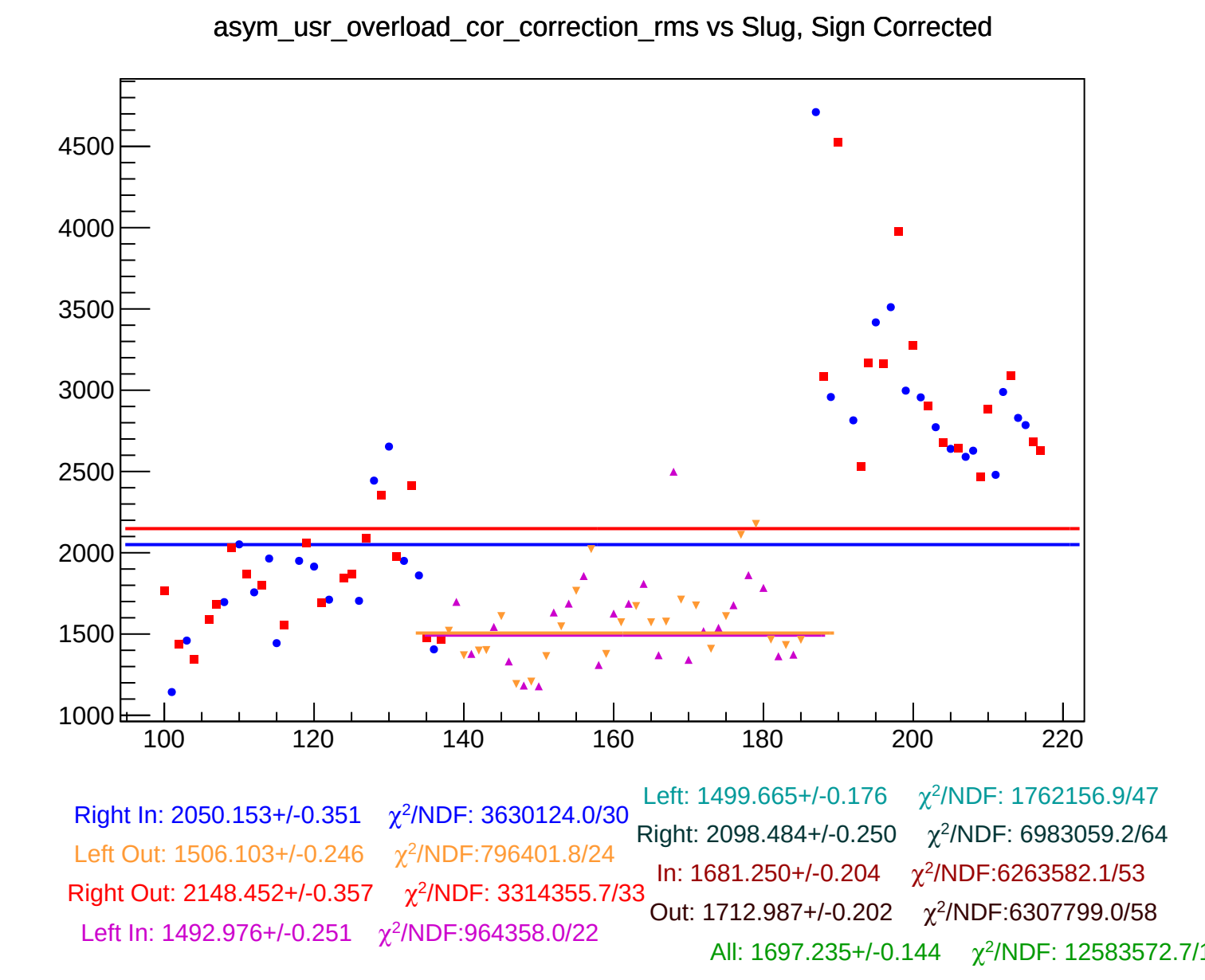
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

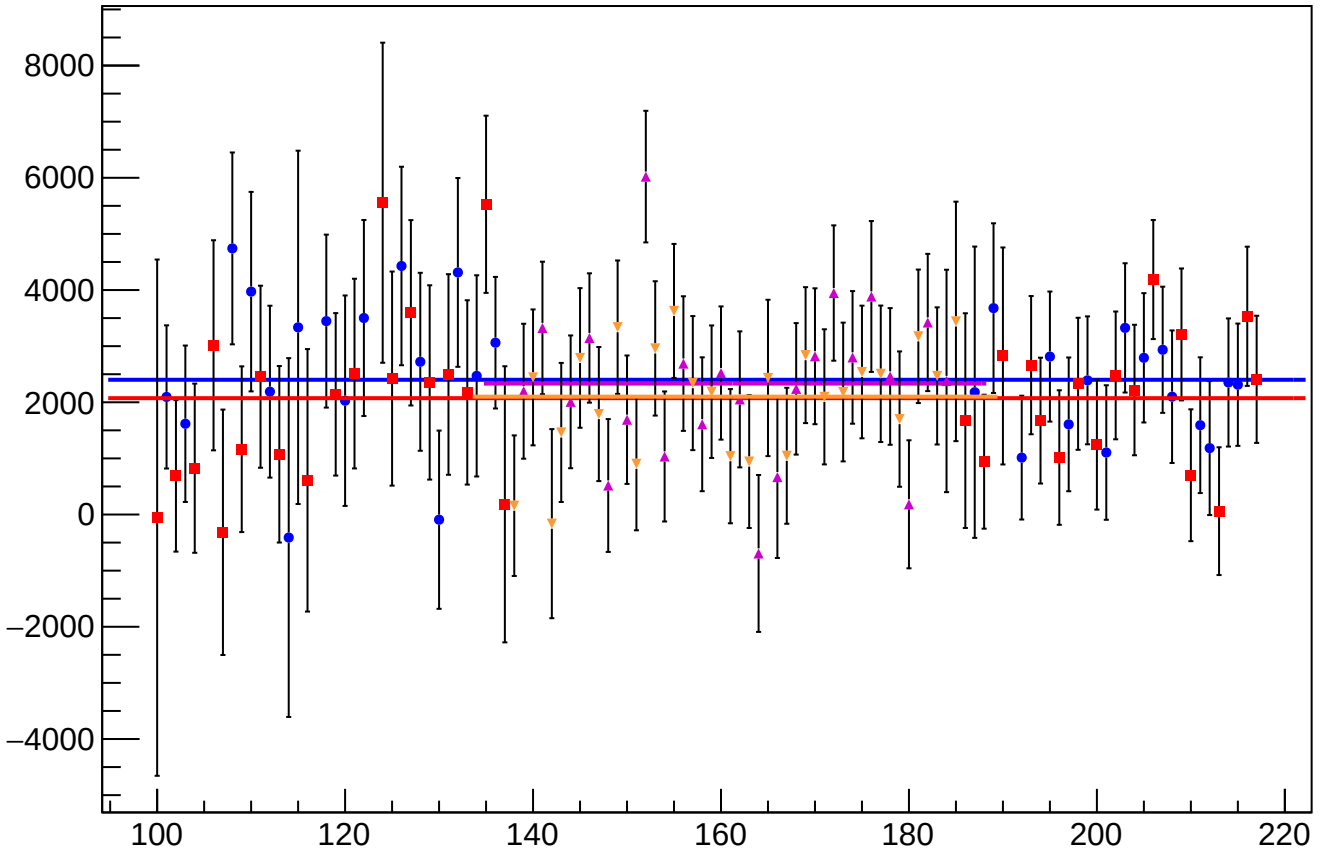
Right: -95.037+/-353.832 χ^2/NDF: 65.4/64

In: 140.958+/-288.486 χ^2/NDF:55.1/53

Out: 95.031+/-286.376 χ^2/NDF:55.9/58

All: 117.826+/-203.240 χ^2/NDF: 111.0/112


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: 2148.452+/-0.357 χ²/NDF: 3314355.7/33
Left In: 1492.976+/-0.251 χ²/NDF:964358.0/22
Left: 1499.665+/-0.176 χ²/NDF: 1762156.9/47
Right: 2098.484+/-0.250 χ²/NDF: 6983059.2/64
In: 1681.250+/-0.204 χ²/NDF:6263582.1/53
Out: 1712.987+/-0.202 χ²/NDF:6307799.0/58
All: 1697.235+/-0.144 χ²/NDF: 12583572.7/



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: 2073.302+/-242.209 χ^2/NDF: 26.3/34

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

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

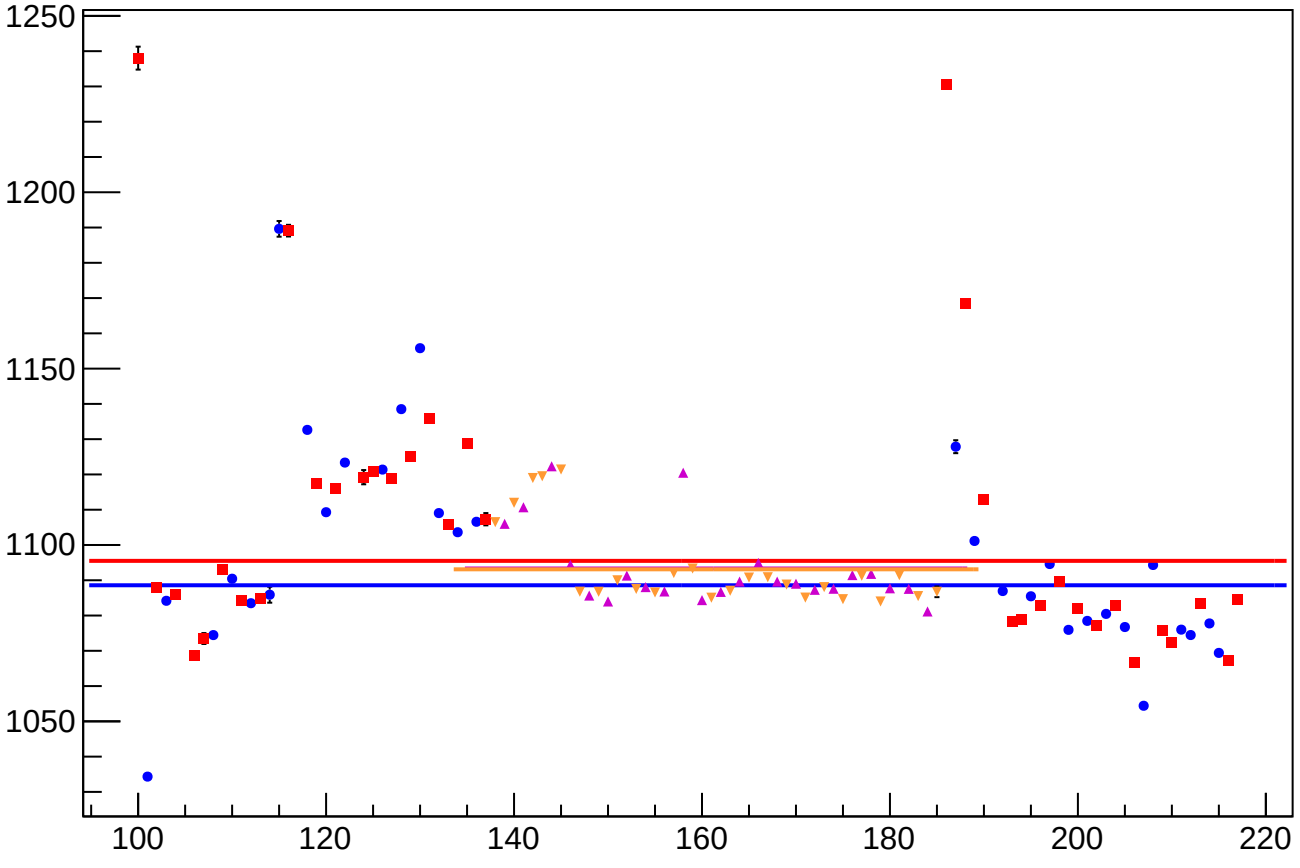
Right: 2233.438+/-173.204 χ^2/NDF: 44.1/65

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

Out: 2086.513+/-173.383 χ^2/NDF:40.2/59

All: 2223.719+/-124.133 χ^2/NDF: 87.8/113

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: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

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

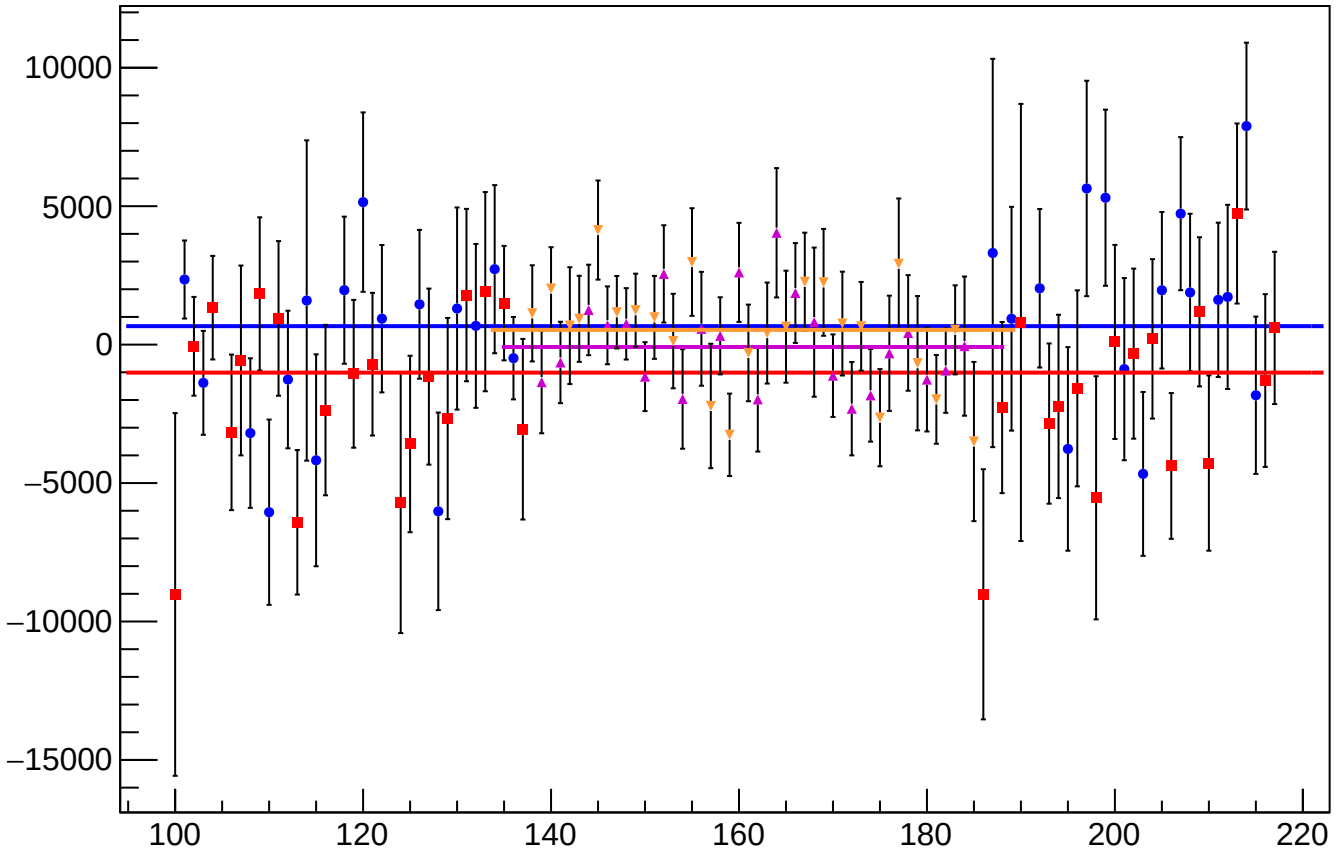
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1092.119+/-0.122 χ^2/NDF: 55393.0/65

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

Out: 1094.330+/-0.123 χ^2/NDF:38425.9/59

All: 1092.653+/-0.088 χ^2/NDF: 63141.8/113



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: -1011.510+/-500.230 χ^2/NDF: 27.4/34

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

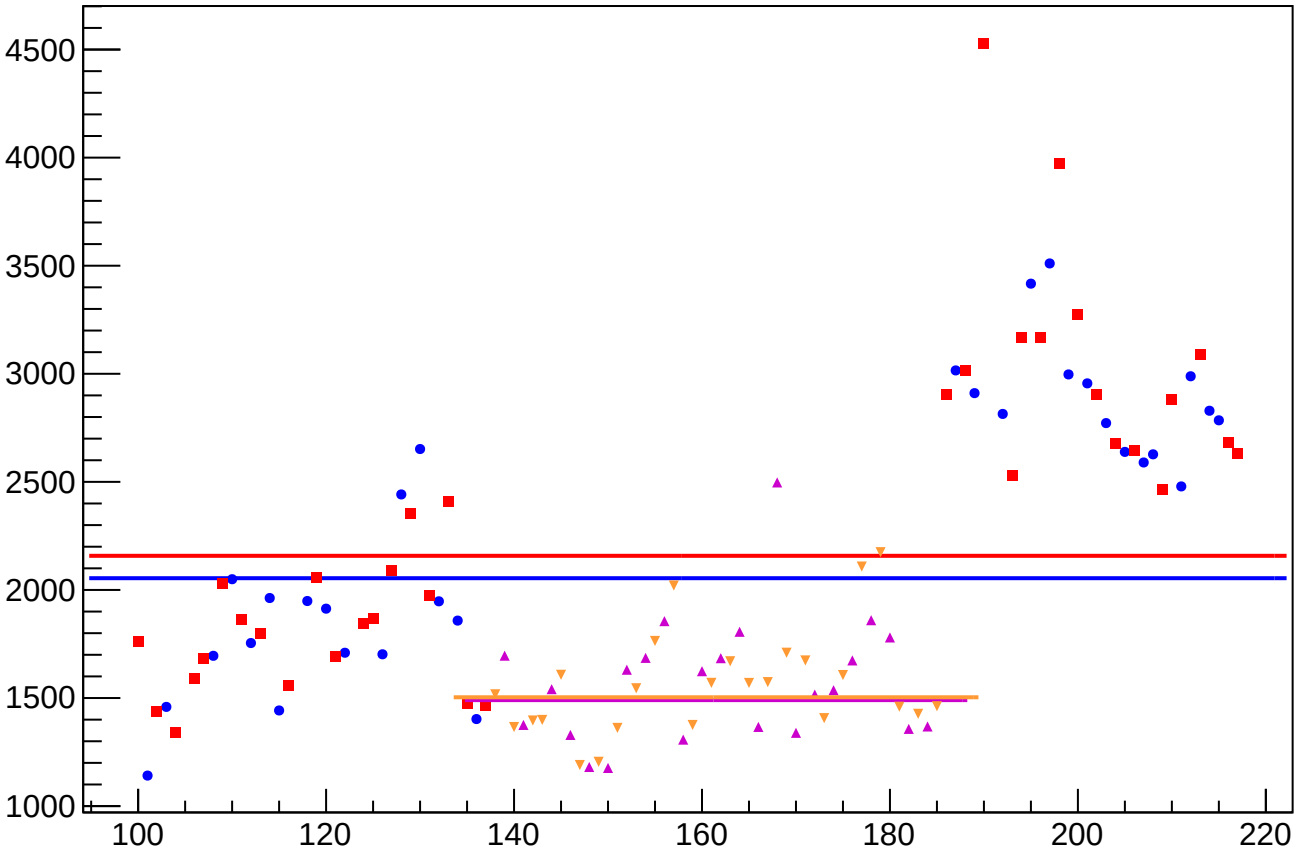
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -161.765+/-351.454 χ^2/NDF: 69.2/65

In: 169.796+/-287.690 χ^2/NDF:55.7/53

Out: 30.790+/-285.241 χ^2/NDF:60.2/59

All: 99.699+/-202.556 χ^2/NDF: 116.1/113



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: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

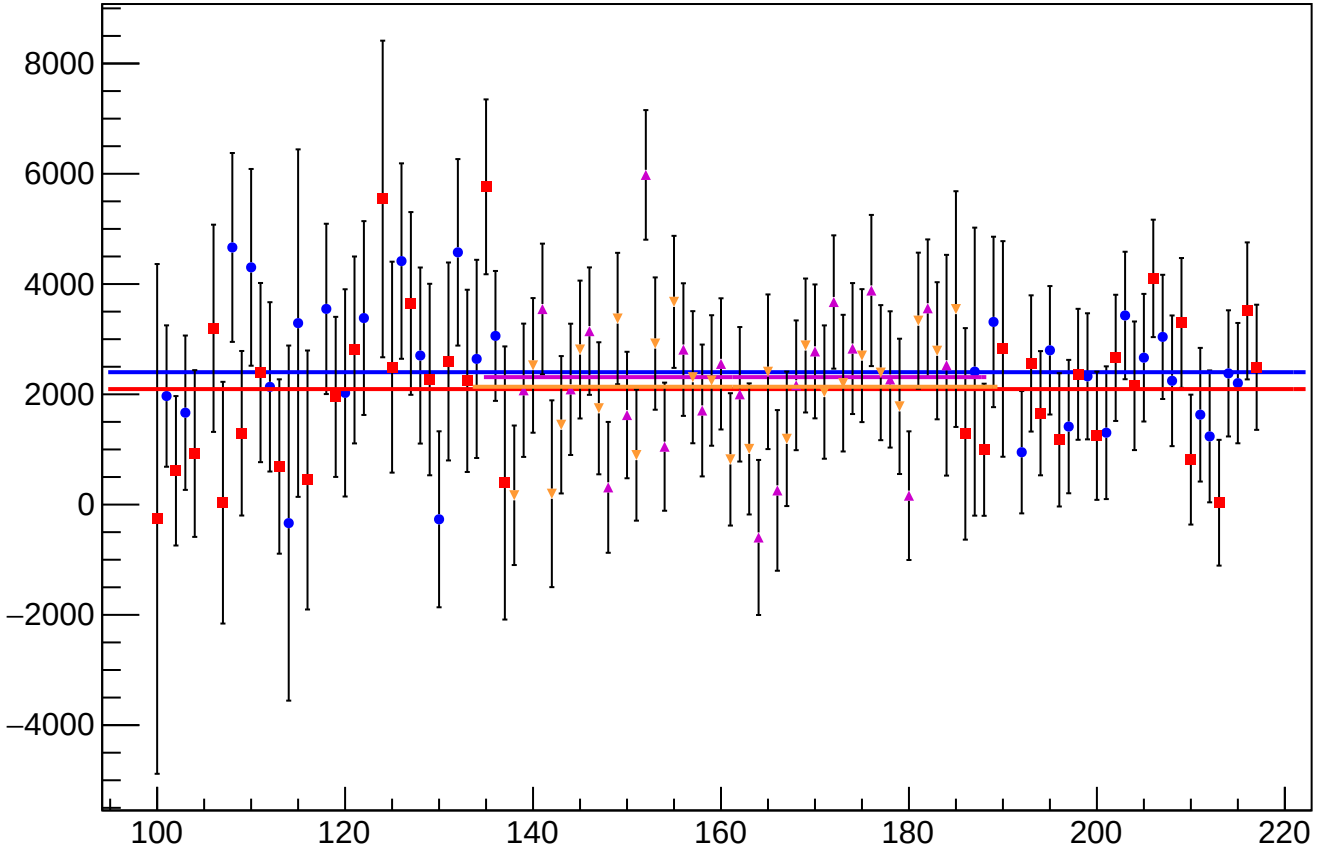
Right: 2105.475+/-0.249 χ^2/NDF: 7104116.0/65

In: 1681.689+/-0.203 χ^2/NDF:6371247.0/53

Out: 1716.243+/-0.202 χ^2/NDF:6491166.0/59

All: 1699.114+/-0.143 χ^2/NDF: 12876962.6/1

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2401.426+/-248.952 χ^2/NDF: 17.4/30

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2094.802+/-243.247 χ^2/NDF: 26.7/34

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

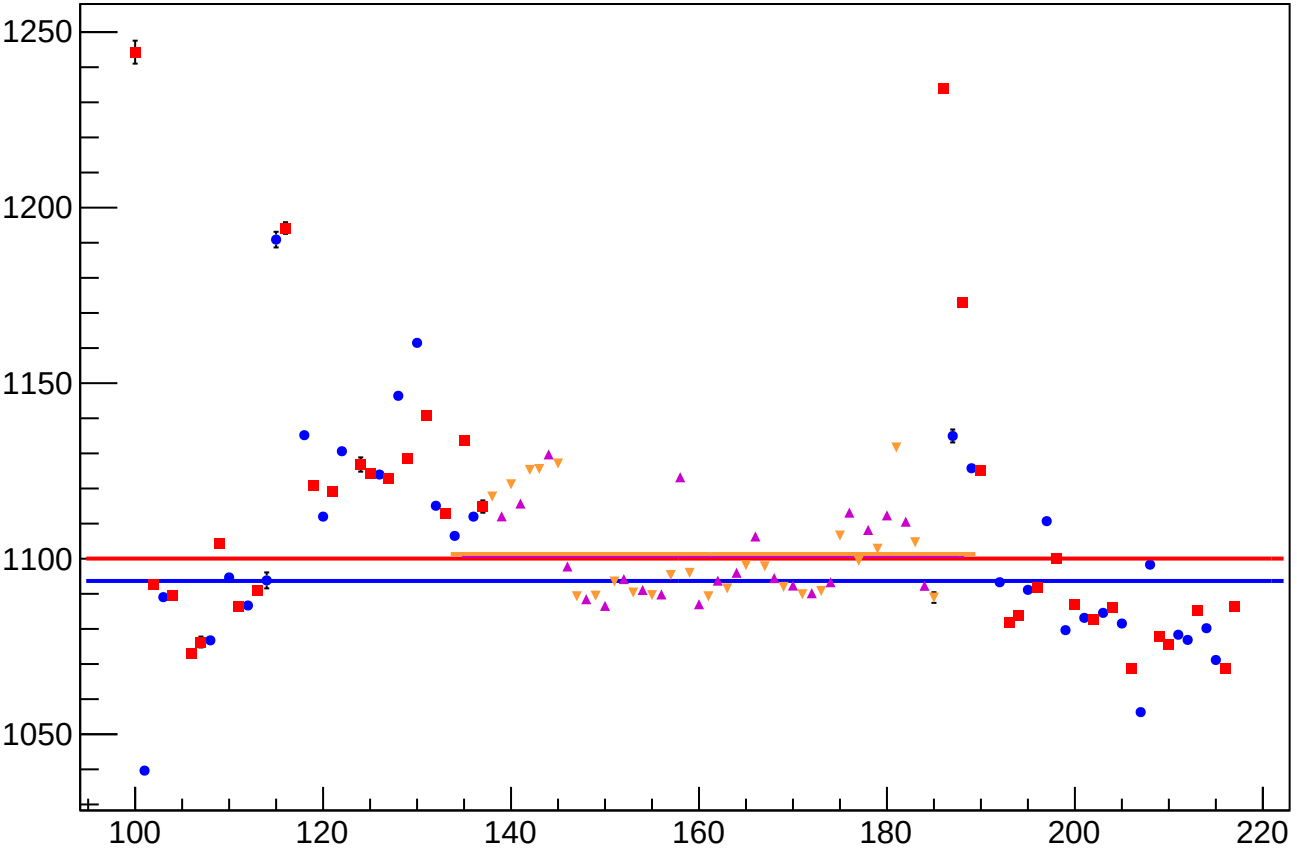
Right: 2244.560+/-173.984 χ^2/NDF: 44.8/65

In: 2358.026+/-178.825 χ^2/NDF:47.4/53

Out: 2115.397+/-174.406 χ^2/NDF:40.6/59

All: 2233.676+/-124.857 χ^2/NDF: 88.9/113

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: 1100.042+/-0.172 χ^2/NDF: 35016.8/34

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

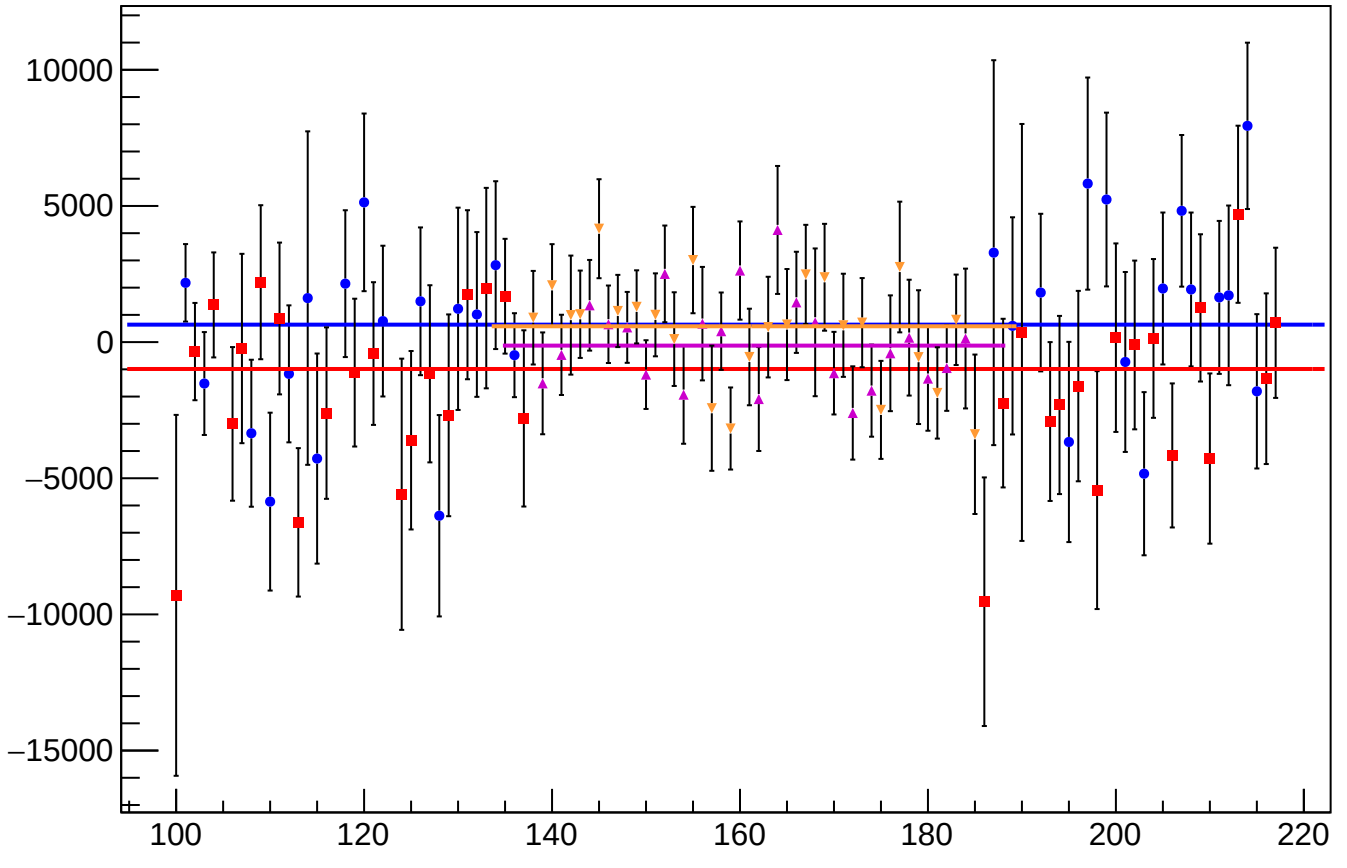
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1096.927+/-0.123 χ^2/NDF: 57843.6/65

In: 1097.115+/-0.126 χ^2/NDF:27590.8/53

Out: 1100.679+/-0.123 χ^2/NDF:40995.6/59

All: 1098.941+/-0.088 χ^2/NDF: 68993.6/113



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: -986.981+/-505.559 χ^2/NDF: 27.5/34

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

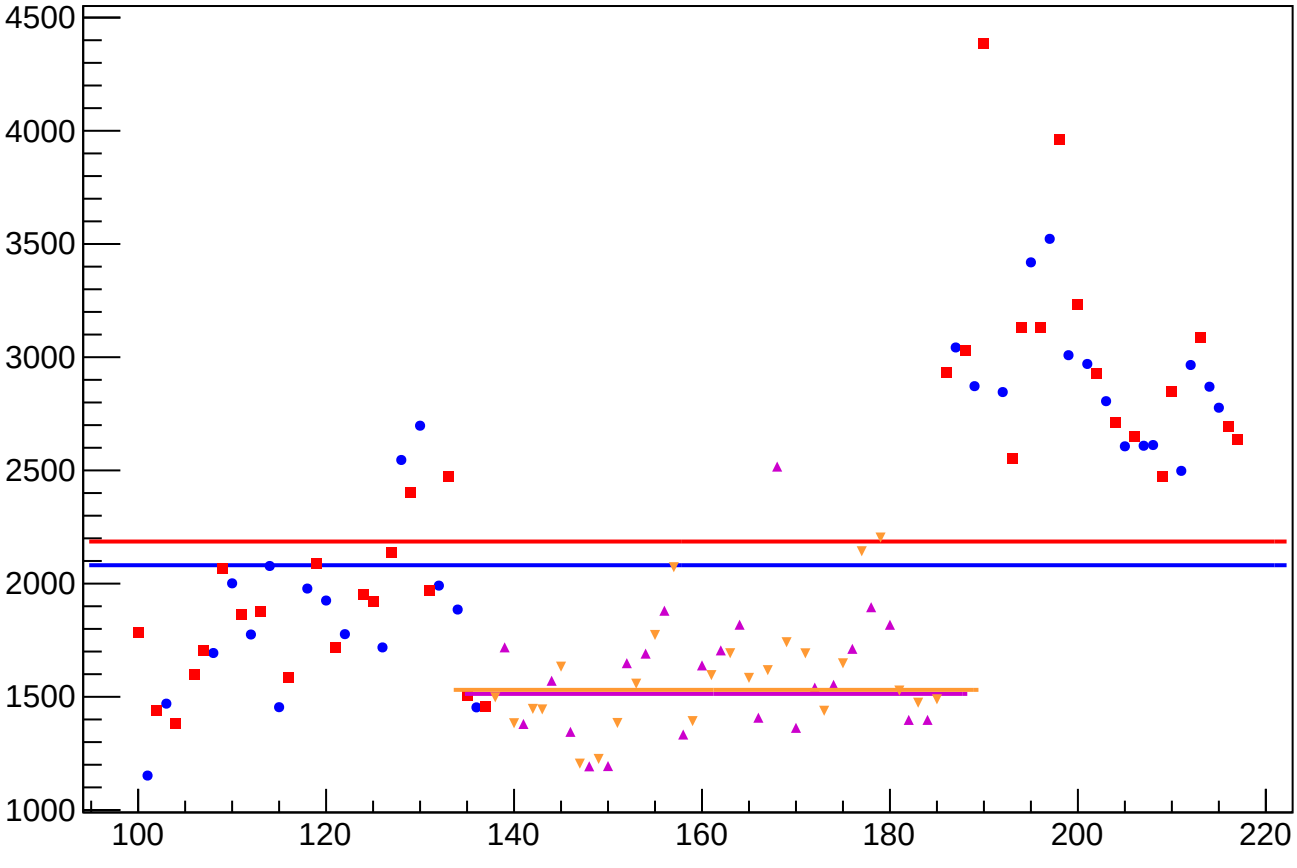
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -162.764+/-355.245 χ^2/NDF: 68.9/65

In: 133.738+/-291.544 χ^2/NDF:55.6/53

Out: 66.625+/-289.643 χ^2/NDF:59.3/59

All: 99.962+/-205.477 χ^2/NDF: 115.0/113



Right In: 2081.232+/-0.353 χ^2/NDF: 3561007.8/30

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2185.868+/-0.357 χ^2/NDF: 3219972.8/34

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

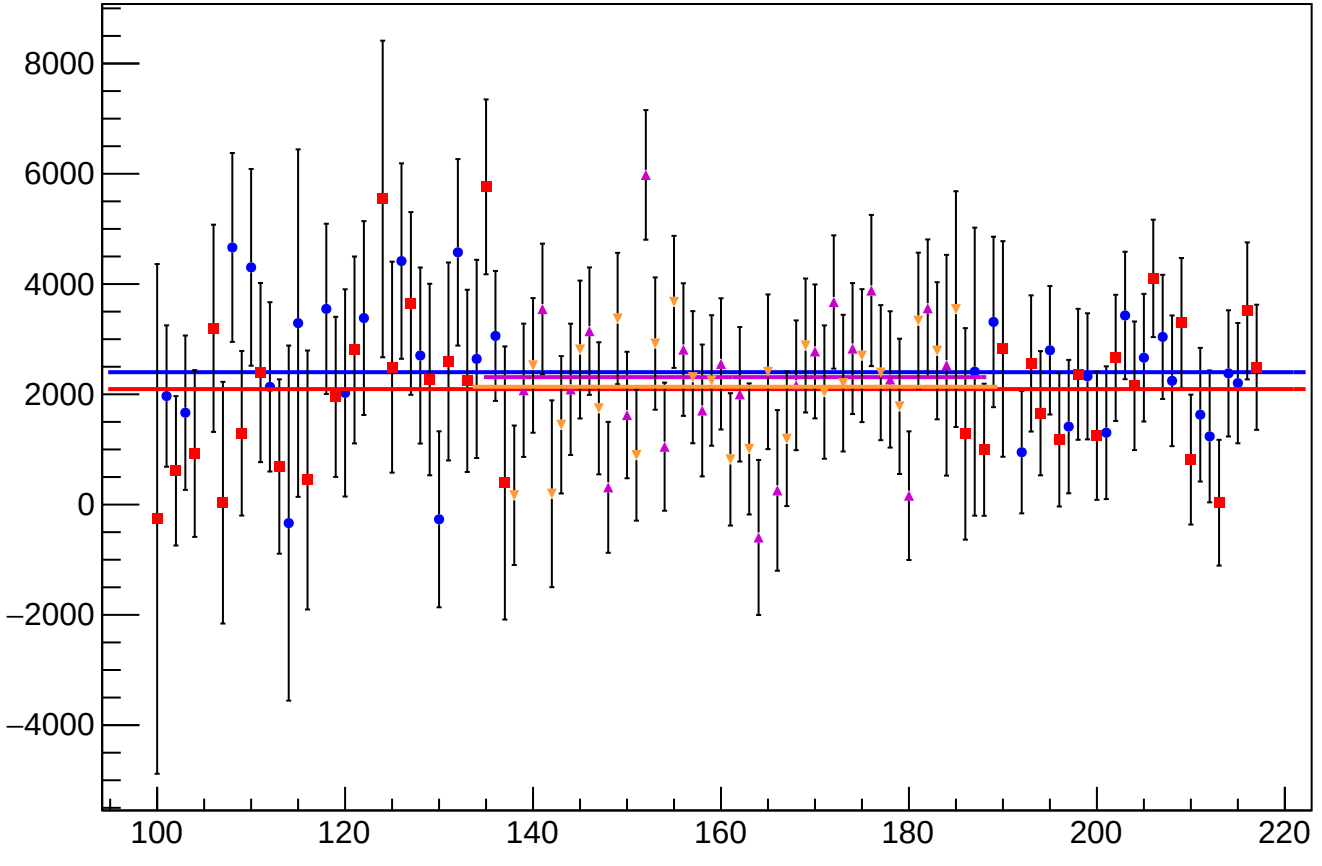
Right: 2132.897+/-0.251 χ^2/NDF: 6824352.1/65

In: 1706.712+/-0.206 χ^2/NDF:6225616.3/53

Out: 1745.790+/-0.205 χ^2/NDF:6271536.0/59

All: 1726.379+/-0.145 χ^2/NDF: 12515236.0/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2401.427+/-248.952 χ^2/NDF: 17.4/30

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2094.805+/-243.247 χ^2/NDF: 26.7/34

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

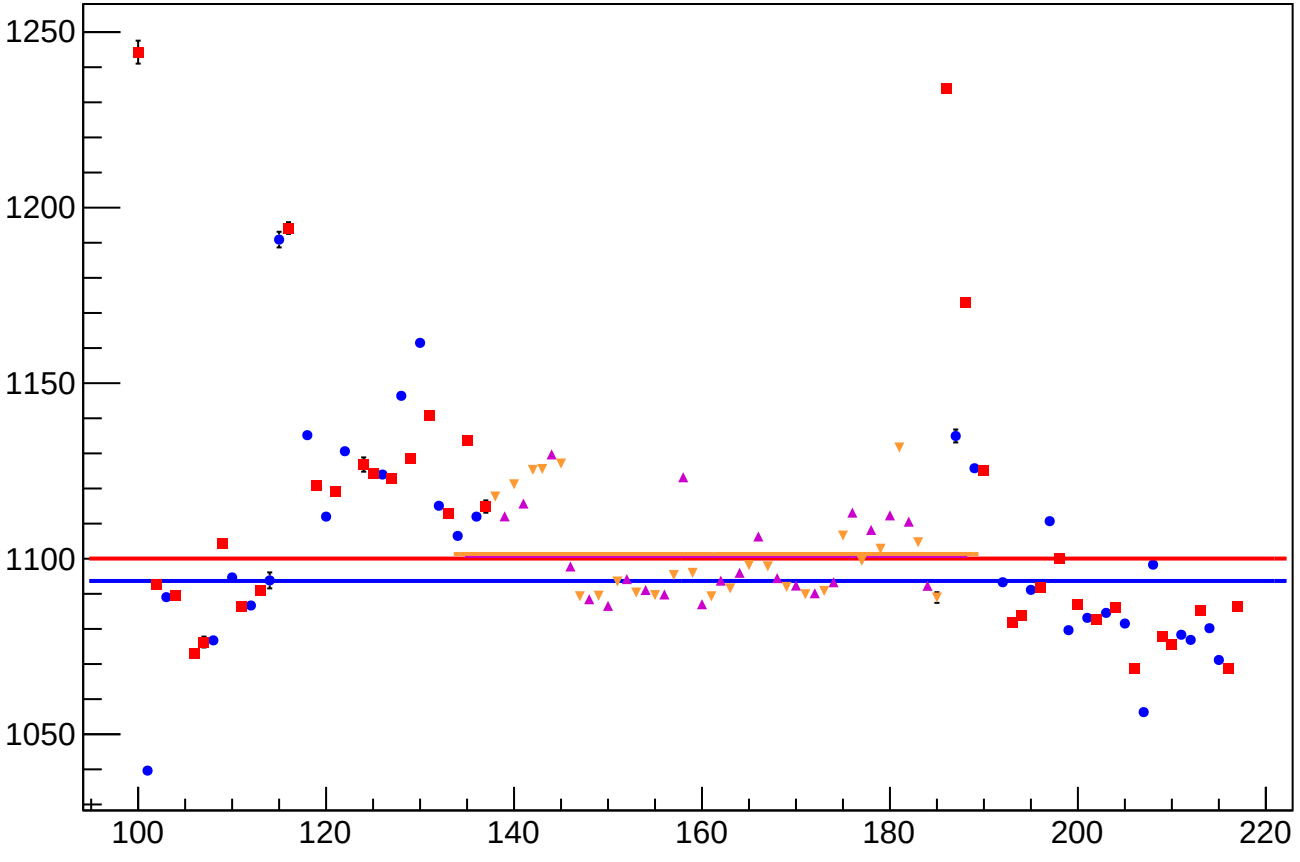
Right: 2244.562+/-173.984 χ^2/NDF: 44.8/65

In: 2358.026+/-178.825 χ^2/NDF:47.4/53

Out: 2115.397+/-174.406 χ^2/NDF:40.6/59

All: 2233.676+/-124.857 χ^2/NDF: 88.9/113

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: 1100.042+/-0.172 χ^2/NDF: 35016.7/34

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

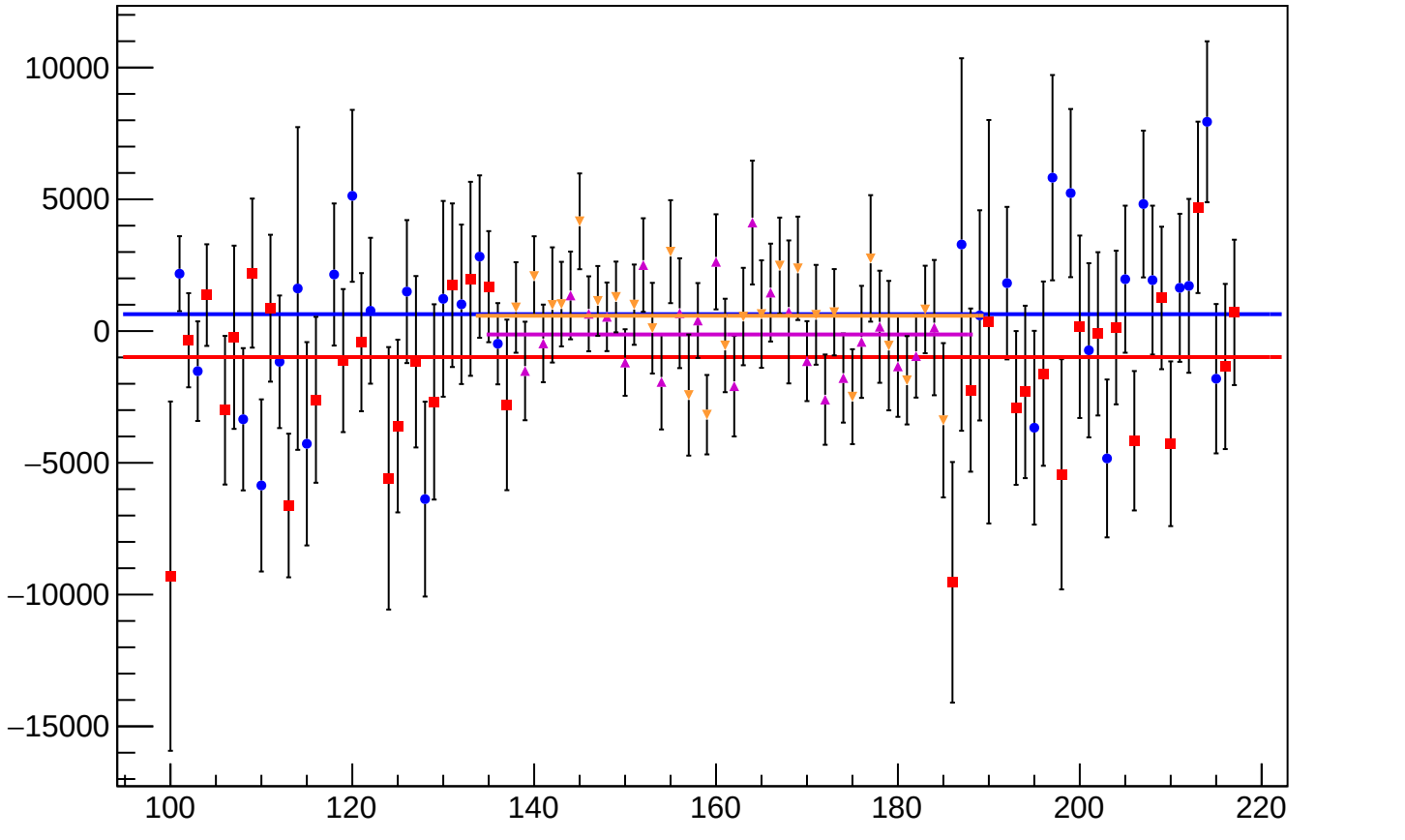
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1096.927+/-0.123 χ^2/NDF: 57843.4/65

In: 1097.115+/-0.126 χ^2/NDF:27590.6/53

Out: 1100.679+/-0.123 χ^2/NDF:40995.5/59

All: 1098.941+/-0.088 χ^2/NDF: 68993.4/113



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: -986.980+/-505.559 χ^2/NDF: 27.5/34

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

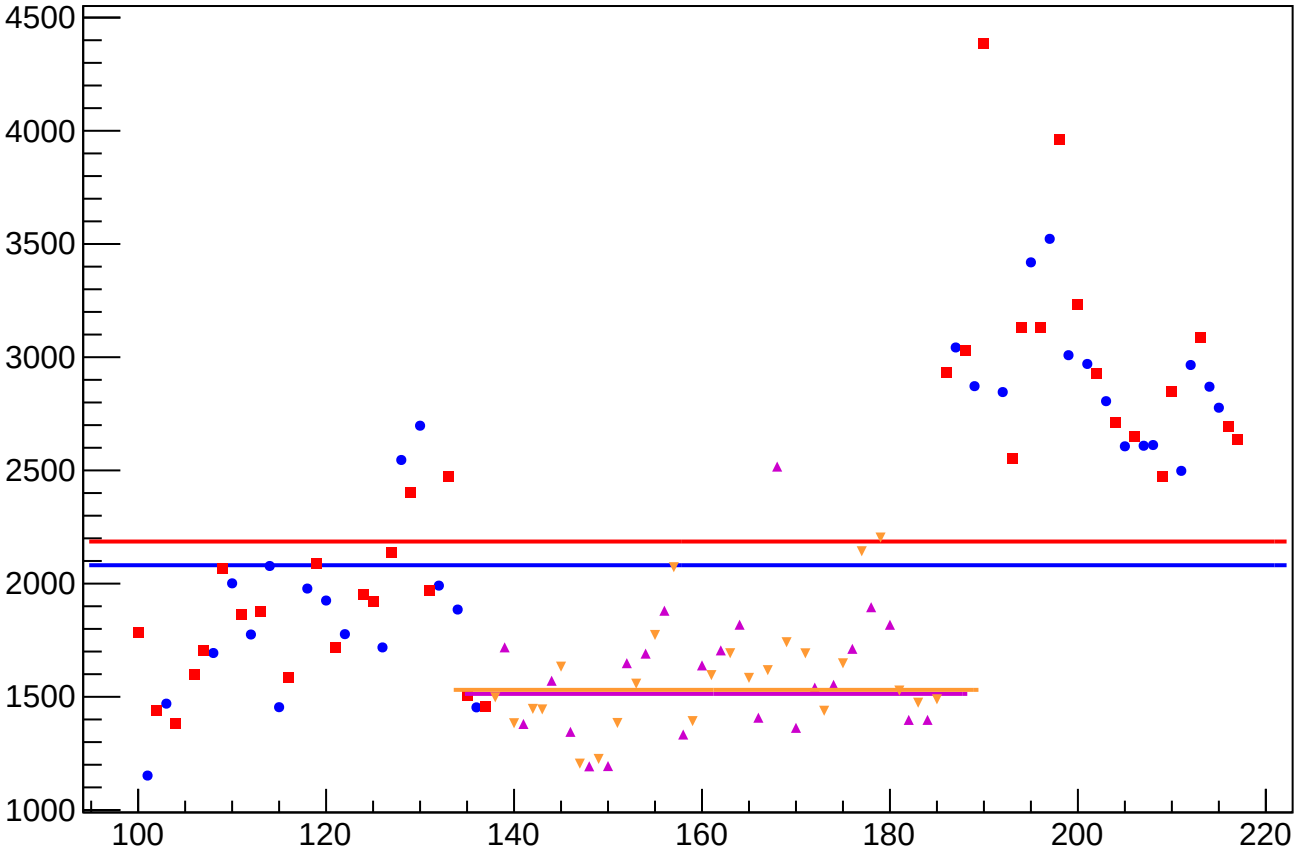
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -162.766+/-355.245 χ^2/NDF: 68.9/65

In: 133.737+/-291.544 χ^2/NDF:55.6/53

Out: 66.622+/-289.643 χ^2/NDF:59.3/59

All: 99.960+/-205.477 χ^2/NDF: 115.0/113



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: 2185.867+/-0.357 χ^2/NDF: 3219974.1/34

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

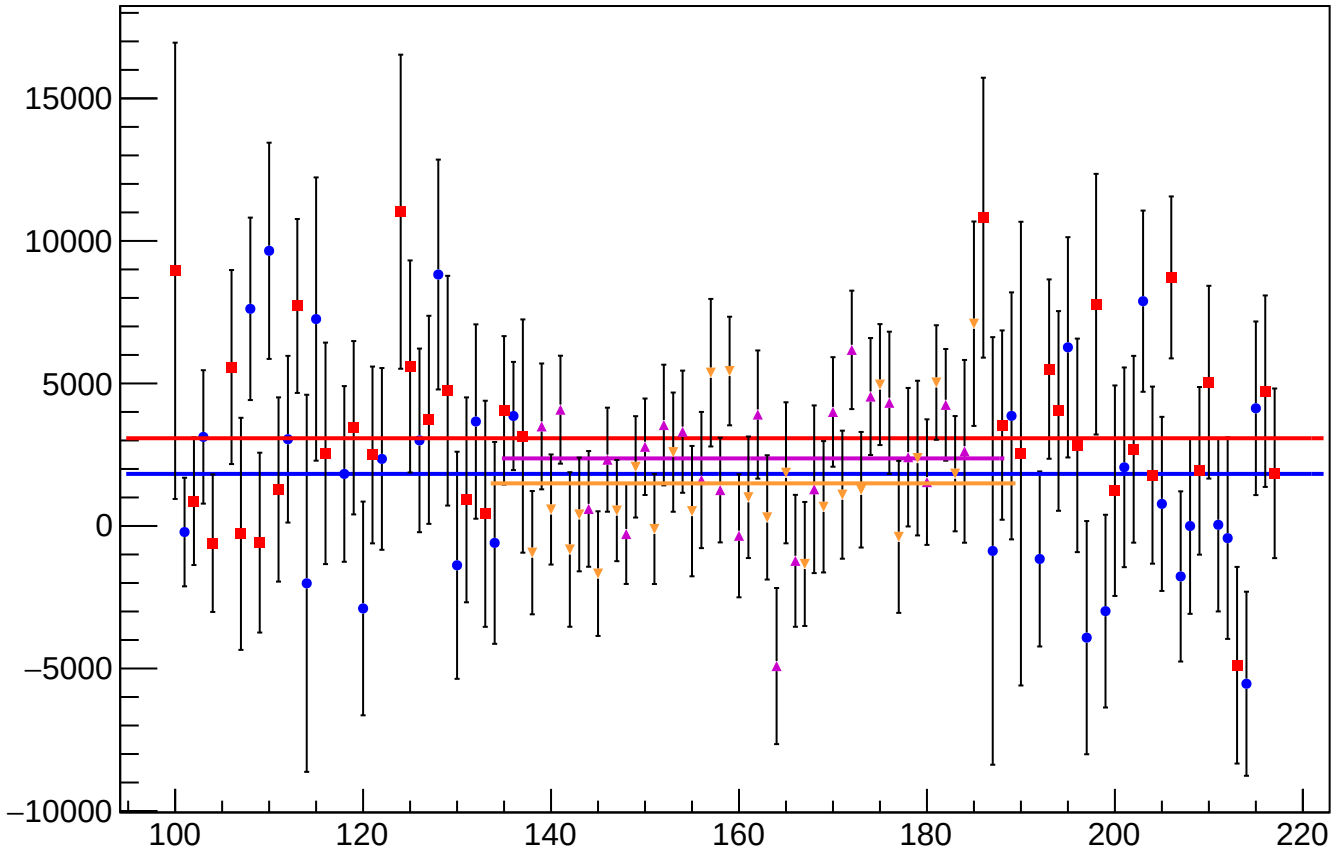
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2132.895+/-0.251 χ^2/NDF: 6824367.1/65

In: 1706.715+/-0.206 χ^2/NDF:6225603.1/53

Out: 1745.793+/-0.205 χ^2/NDF:6271503.9/59

All: 1726.382+/-0.145 χ^2/NDF: 12515191.0/1



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: 3077.681+/-573.820 χ^2/NDF: 27.6/34

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

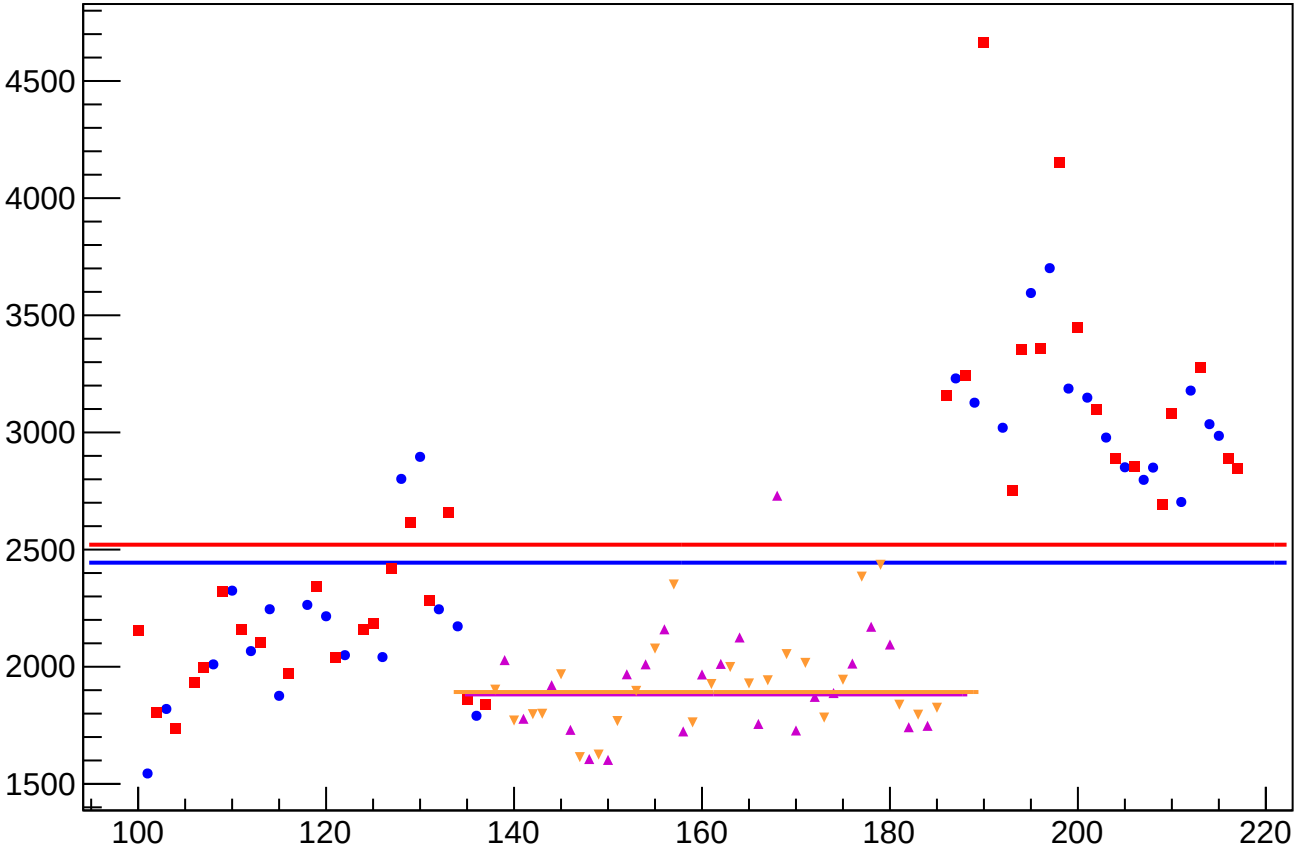
Right: 2452.722+/-405.883 χ^2/NDF: 66.7/65

In: 2167.832+/-350.720 χ^2/NDF:61.0/53

Out: 2069.569+/-345.736 χ^2/NDF:56.2/59

All: 2117.997+/-246.216 χ^2/NDF: 117.2/113

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: 2520.925+/-0.406 χ^2/NDF: 2096989.0/34

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

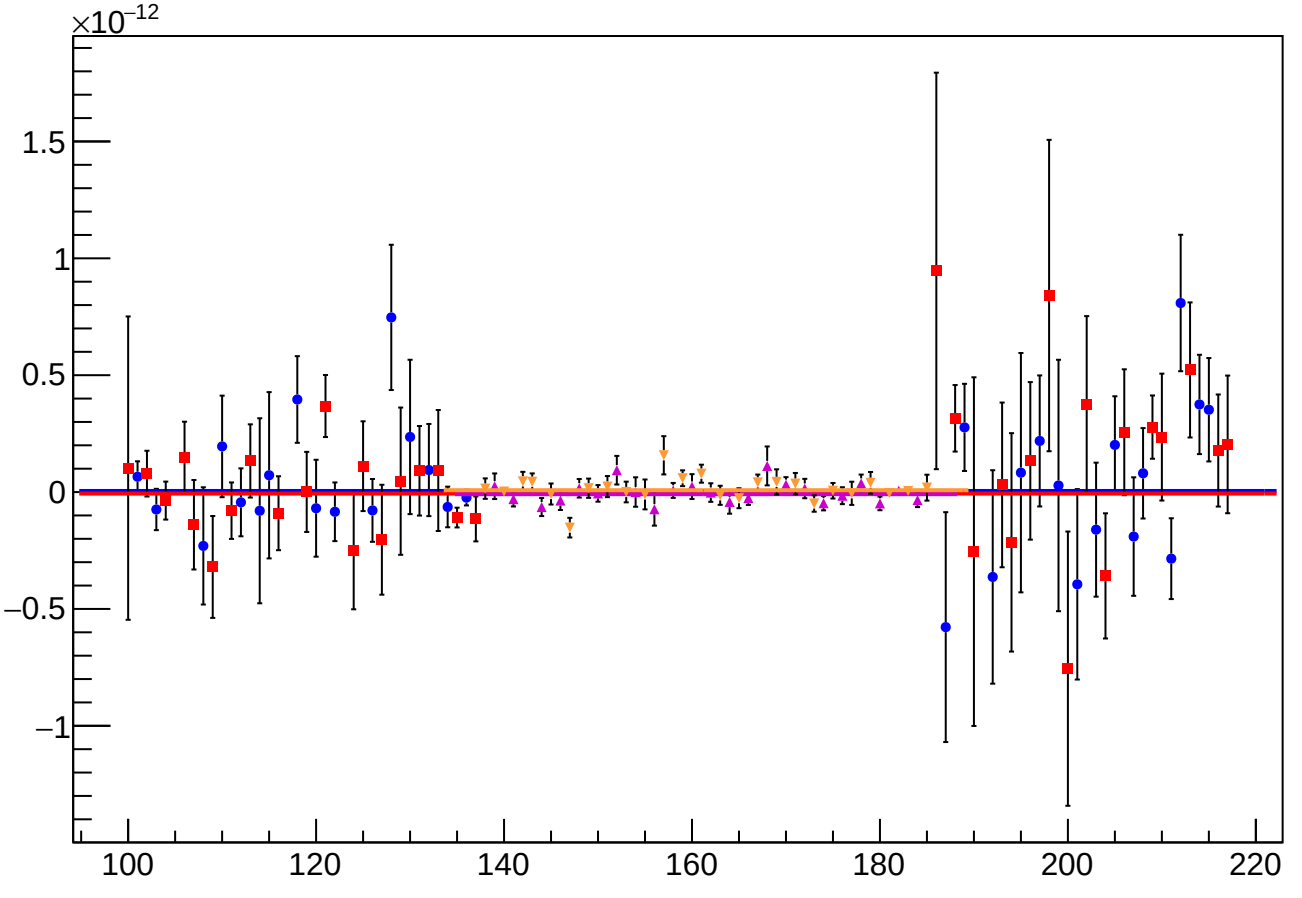
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2482.578+/-0.287 χ^2/NDF: 4248056.9/65

In: 2091.674+/-0.248 χ^2/NDF:3798242.0/53

Out: 2120.391+/-0.244 χ^2/NDF:4016442.4/59

All: 2106.238+/-0.174 χ^2/NDF: 7821484.7/11



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: 47.0/34

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

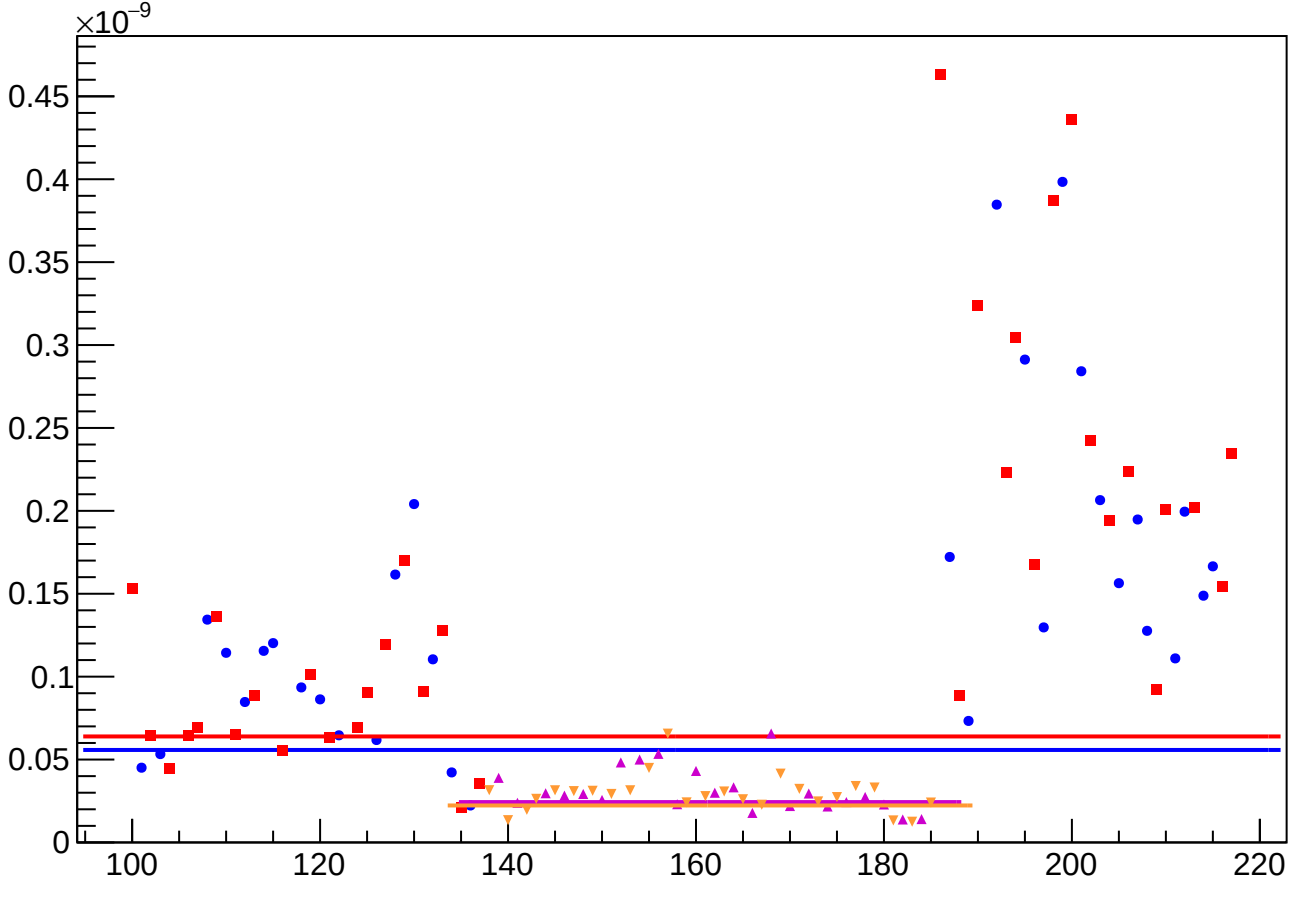
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 87.5/65

In: -0.000+/-0.000 χ^2/NDF:59.7/53

Out: 0.000+/-0.000 χ^2/NDF:79.7/59

All: 0.000+/-0.000 χ^2/NDF: 141.7/113



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: 10047860.6/34

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

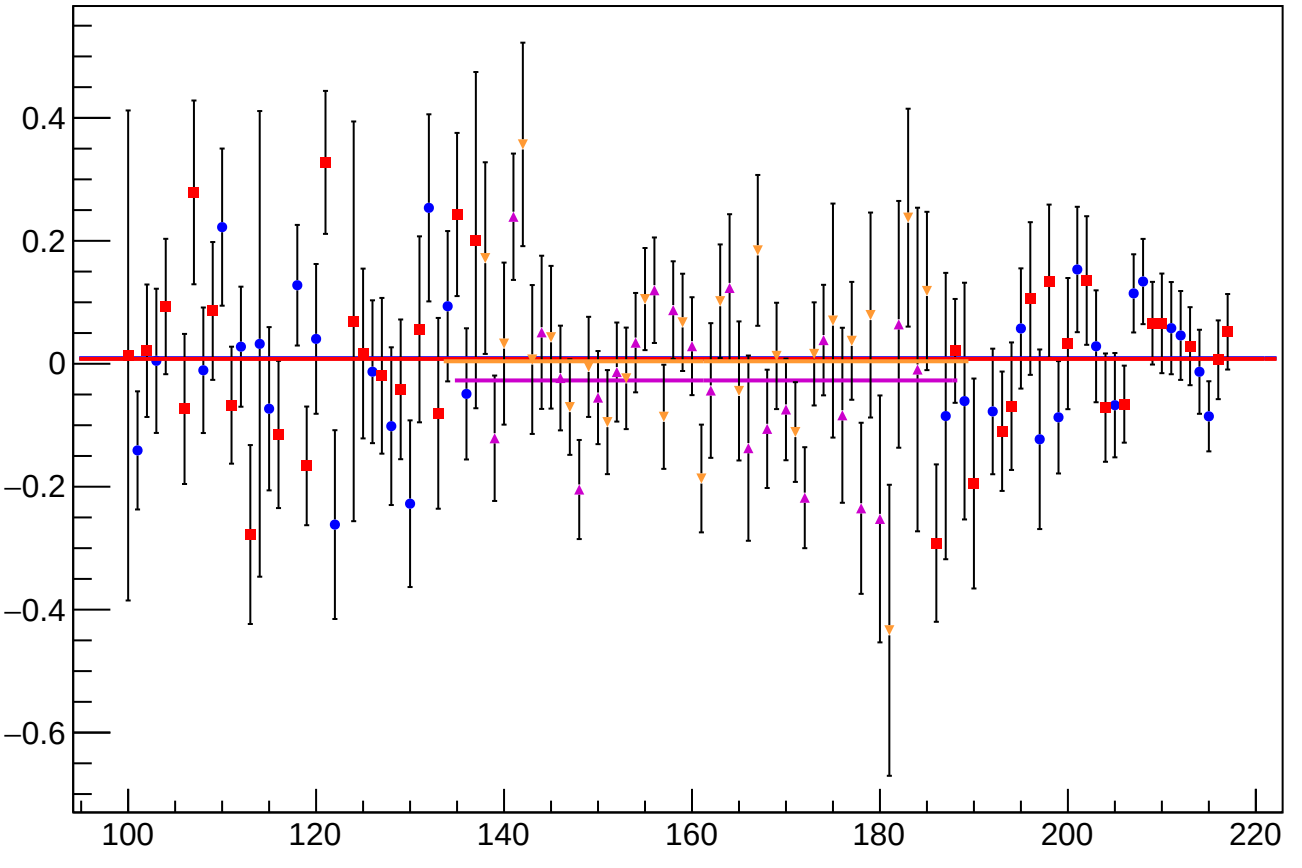
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 20365709.5/65

In: 0.000+/-0.000 χ^2/NDF:16758833.8/53

Out: 0.000+/-0.000 χ^2/NDF:18810698.7/59

All: 0.000+/-0.000 χ^2/NDF: 35670996.2/113



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: 0.008+/-0.017 χ^2/NDF: 41.7/34

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

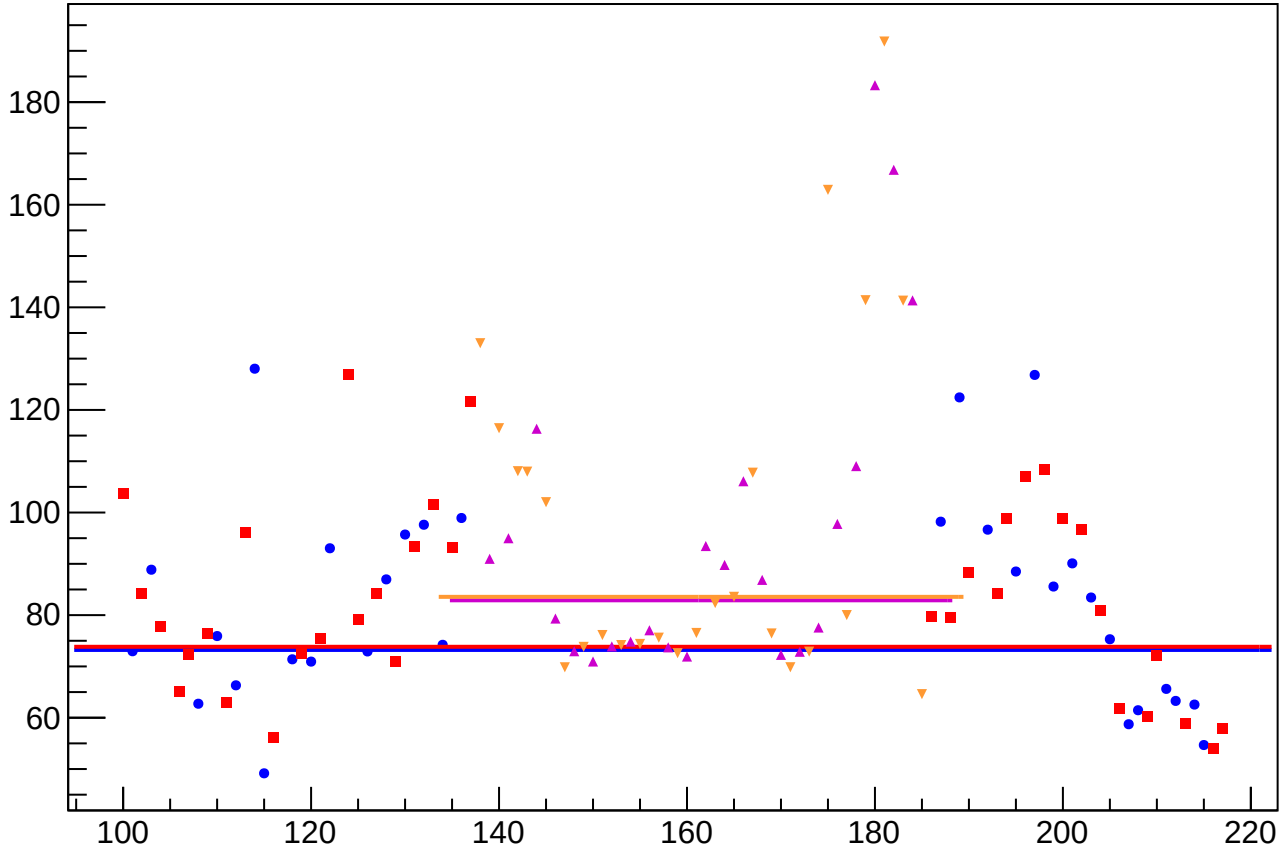
Right: 0.008+/-0.012 χ^2/NDF: 74.8/65

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.006+/-0.013 χ^2/NDF:69.9/59

All: 0.000+/-0.009 χ^2/NDF: 137.1/113

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: 73.828+/-0.012 χ^2/NDF: 1708180.3/34

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

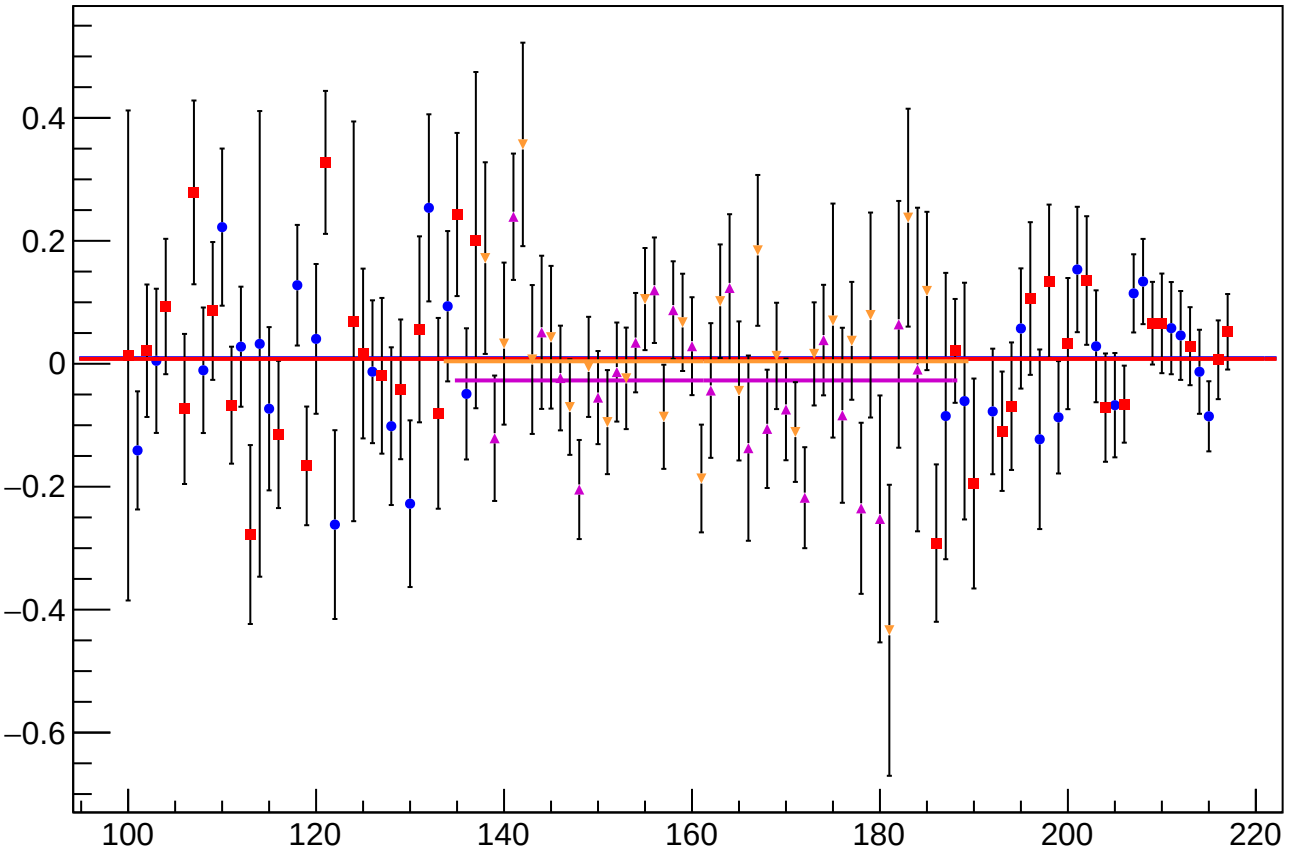
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 73.528+/-0.009 χ^2/NDF: 3339132.1/65

In: 77.314+/-0.009 χ^2/NDF:3458333.3/53

Out: 77.891+/-0.009 χ^2/NDF:4149141.3/59

All: 77.608+/-0.007 χ^2/NDF: 7609370.1/113



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: 0.008+/-0.017 χ^2/NDF: 41.7/34

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

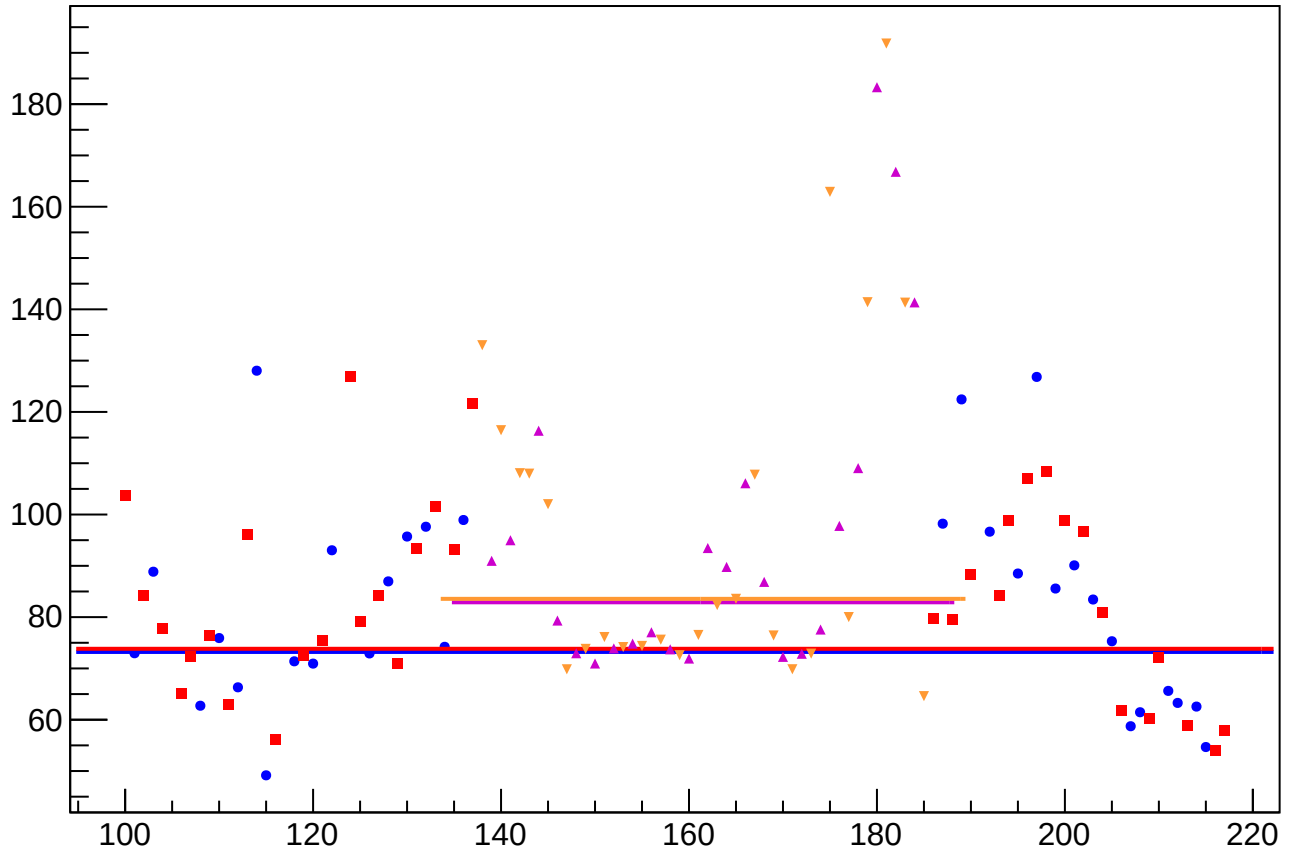
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.008+/-0.012 χ^2/NDF: 74.8/65

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.006+/-0.013 χ^2/NDF:69.9/59

All: 0.000+/-0.009 χ^2/NDF: 137.1/113



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: 73.828+/-0.012 χ^2/NDF: 1708180.3/34

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

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

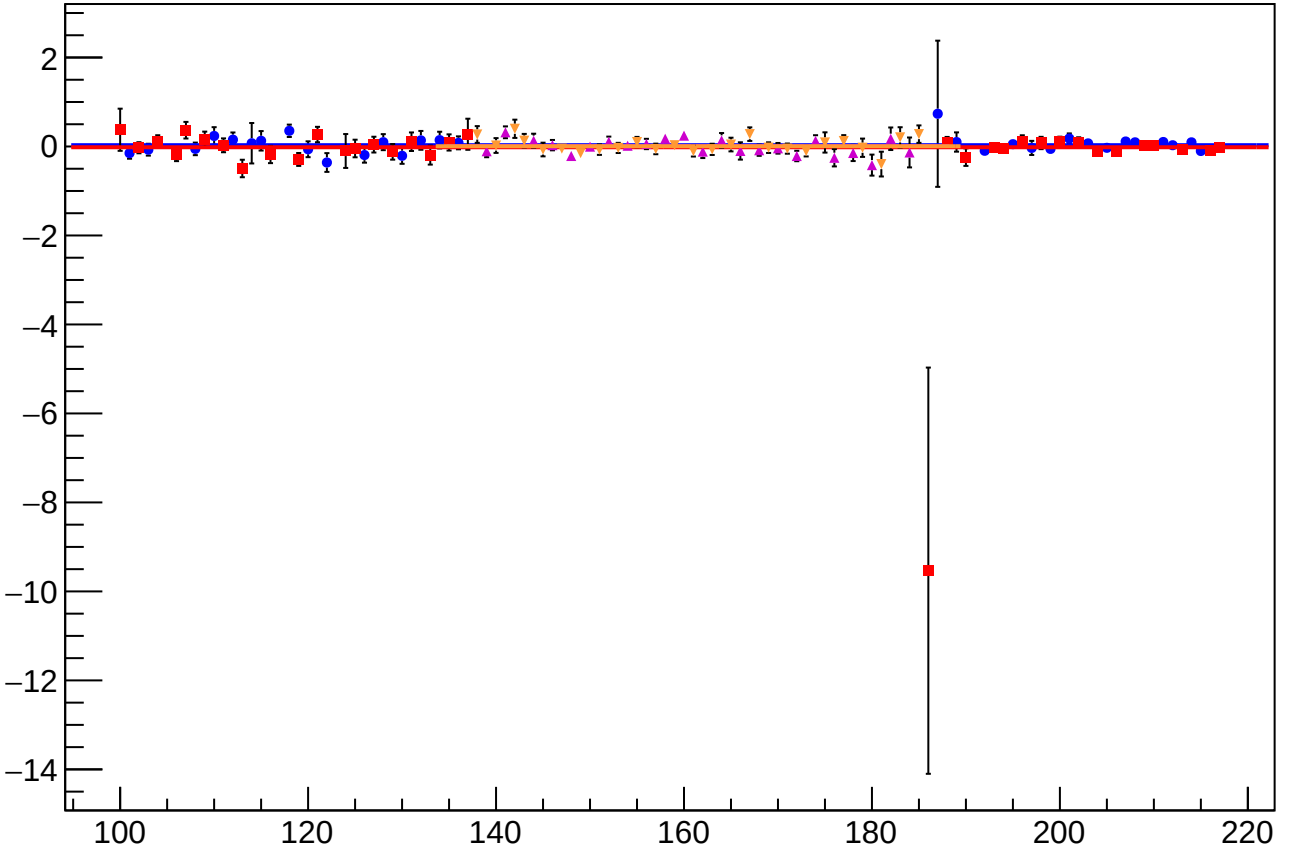
Right: 73.528+/-0.009 χ^2/NDF: 3339132.1/65

In: 77.314+/-0.009 χ^2/NDF:3458333.3/53

Out: 77.891+/-0.009 χ^2/NDF:4149141.3/59

All: 77.608+/-0.007 χ^2/NDF: 7609370.1/113

asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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+/-0.023 χ^2/NDF: 37.0/34

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

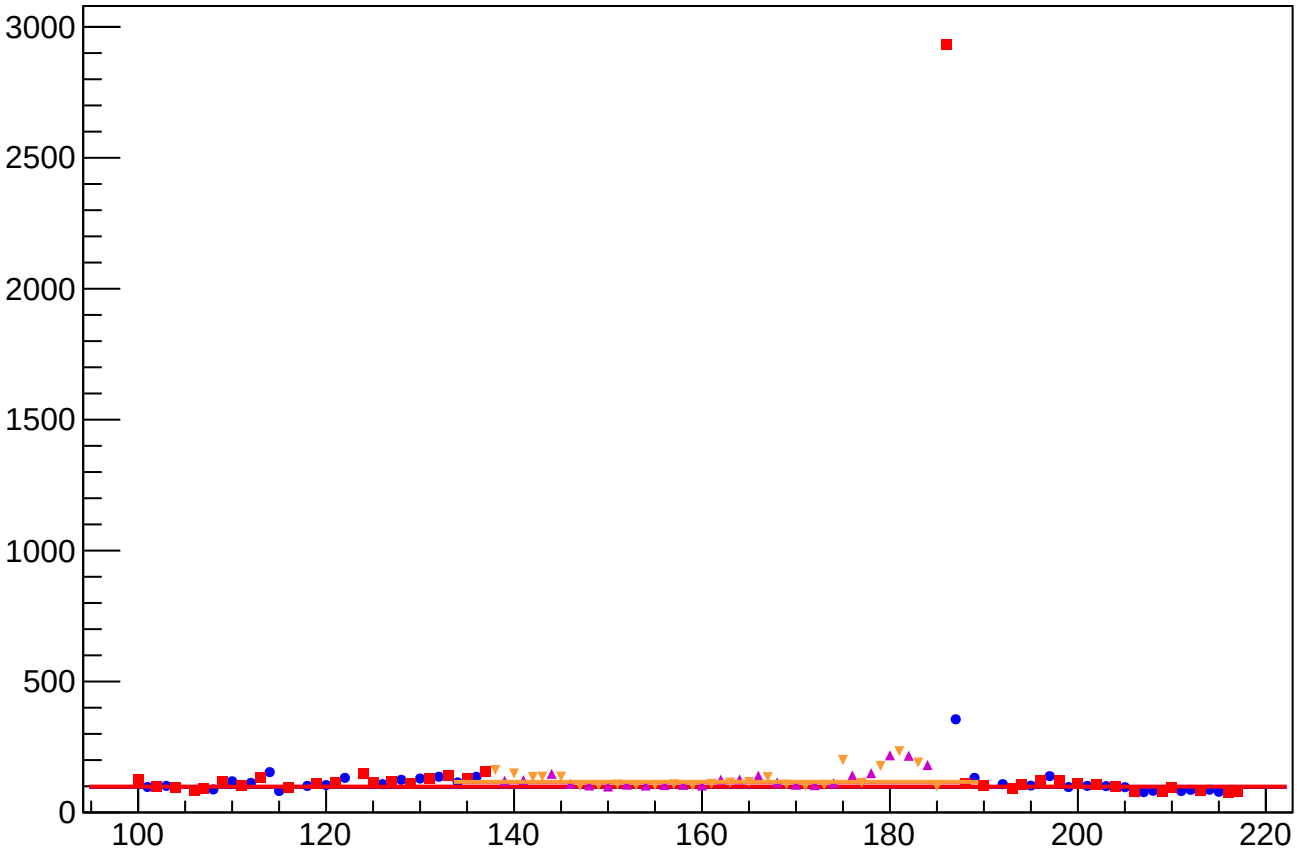
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: 0.006+/-0.016 χ^2/NDF: 67.0/65

In: 0.022+/-0.018 χ^2/NDF:59.6/53

Out: -0.008+/-0.018 χ^2/NDF:58.7/59

All: 0.007+/-0.013 χ^2/NDF: 119.7/113



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: 98.509+/-0.016 χ^2/NDF: 1852747.2/34

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

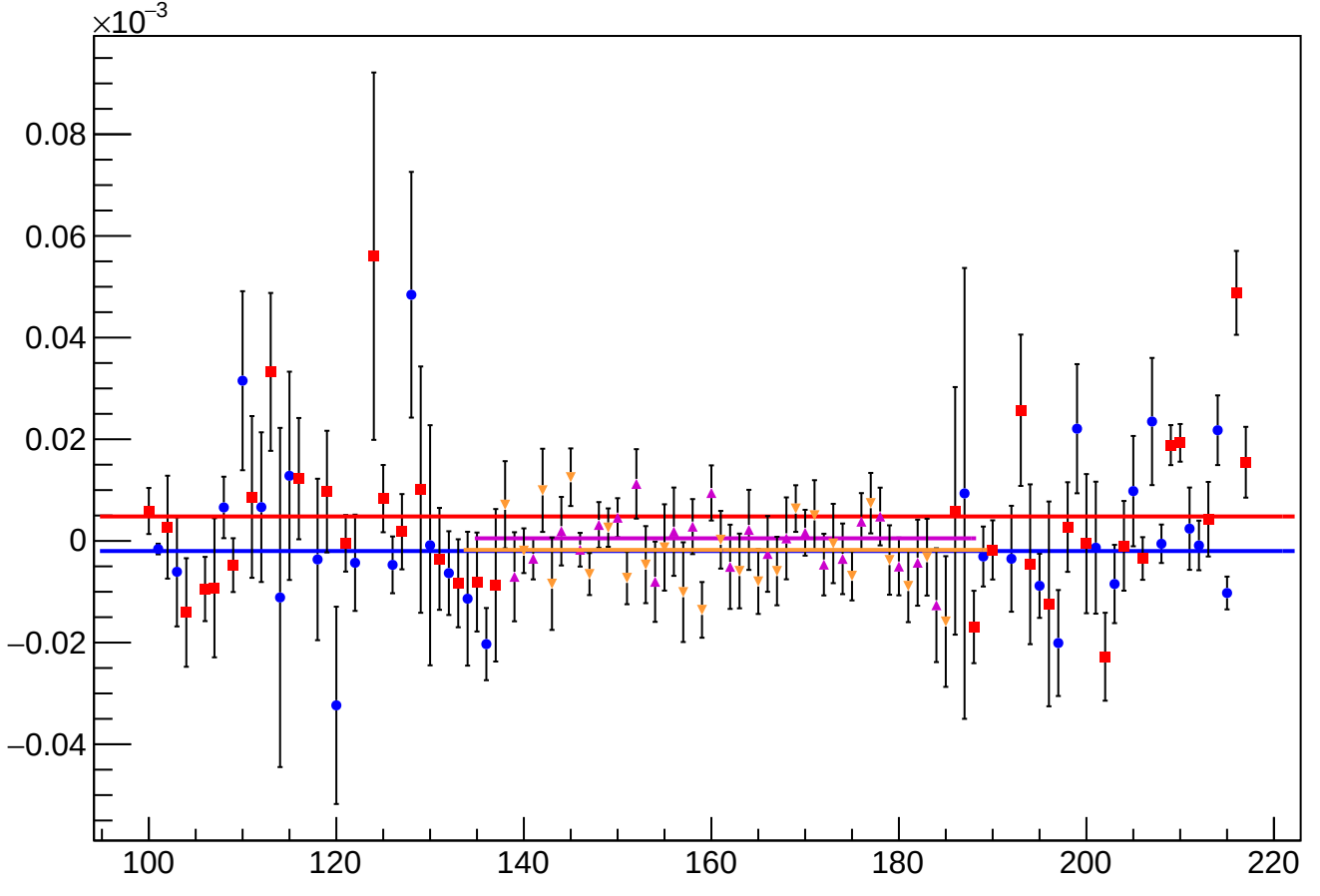
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 97.984+/-0.011 χ^2/NDF: 2991298.7/65

In: 104.856+/-0.013 χ^2/NDF:2878620.4/53

Out: 105.882+/-0.012 χ^2/NDF:3973953.5/59

All: 105.378+/-0.009 χ^2/NDF: 6855921.5/113



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: 112.7/34

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

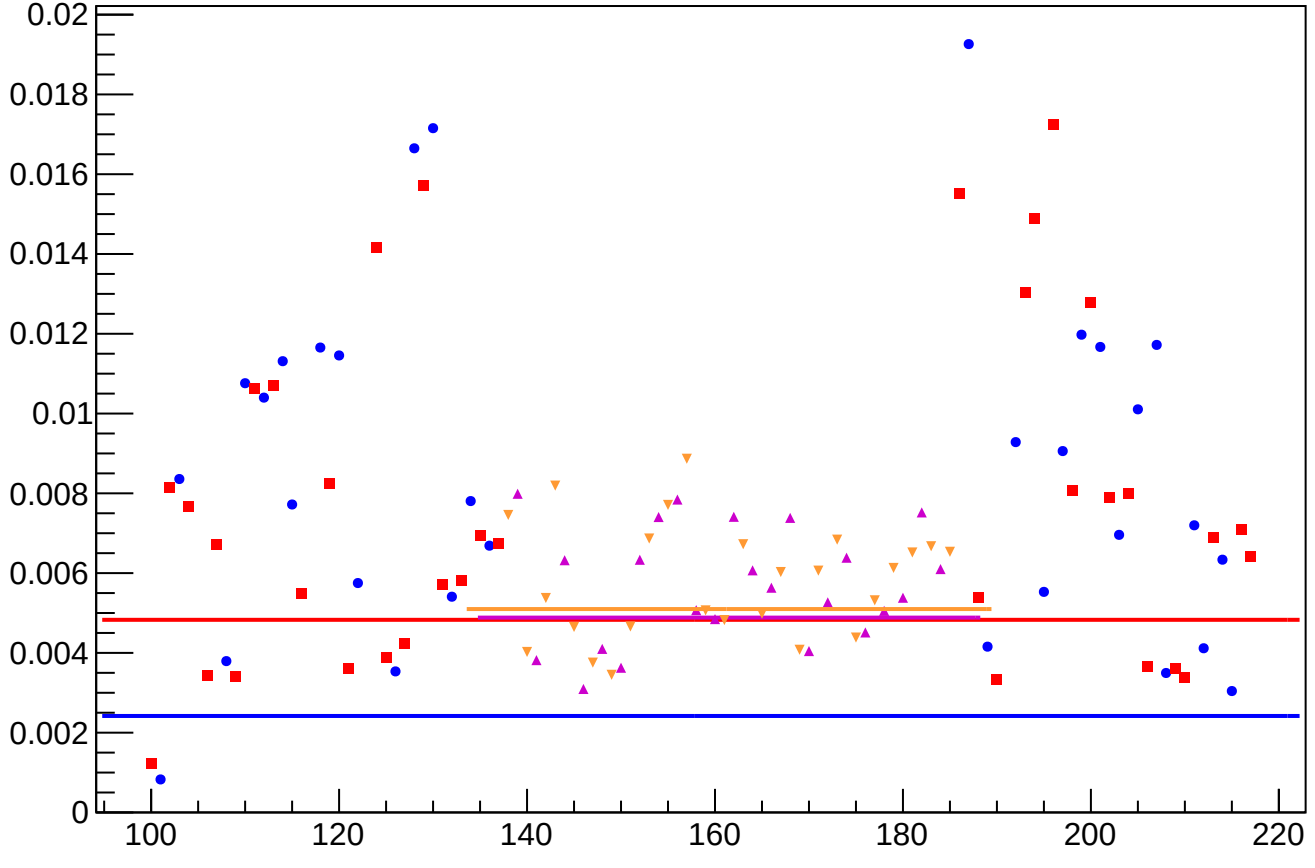
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 187.2/65

In: -0.000+/-0.000 χ^2/NDF:72.9/53

Out: 0.000+/-0.000 χ^2/NDF:157.9/59

All: -0.000+/-0.000 χ^2/NDF: 236.0/113



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: 8719130.3/34

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

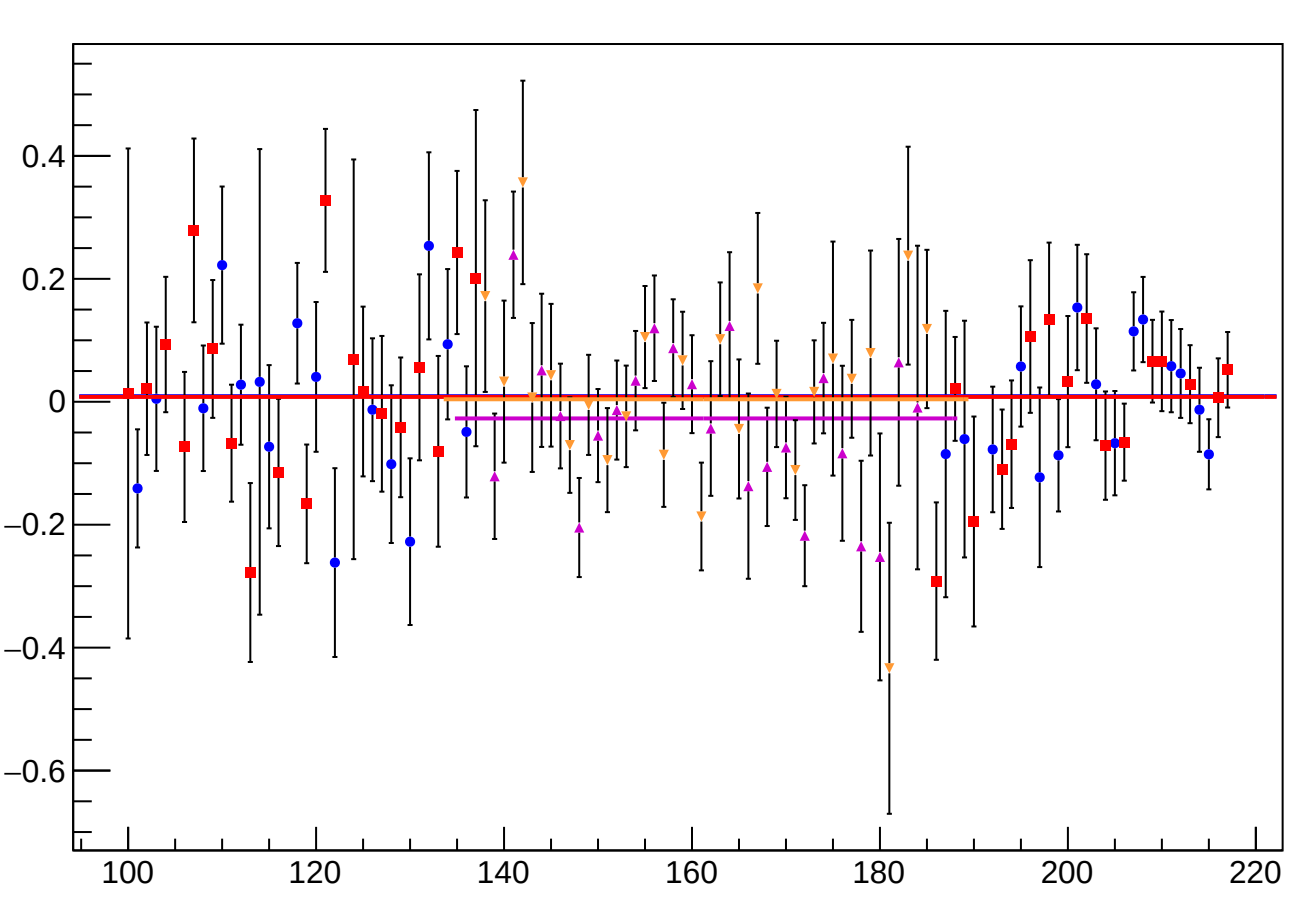
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 34060497.7/65

In: 0.003+/-0.000 χ^2/NDF:28730755.7/53

Out: 0.005+/-0.000 χ^2/NDF:11145174.5/59

All: 0.004+/-0.000 χ^2/NDF: 44743917.8/113



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: 0.008+/-0.017 χ^2/NDF: 41.7/34

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

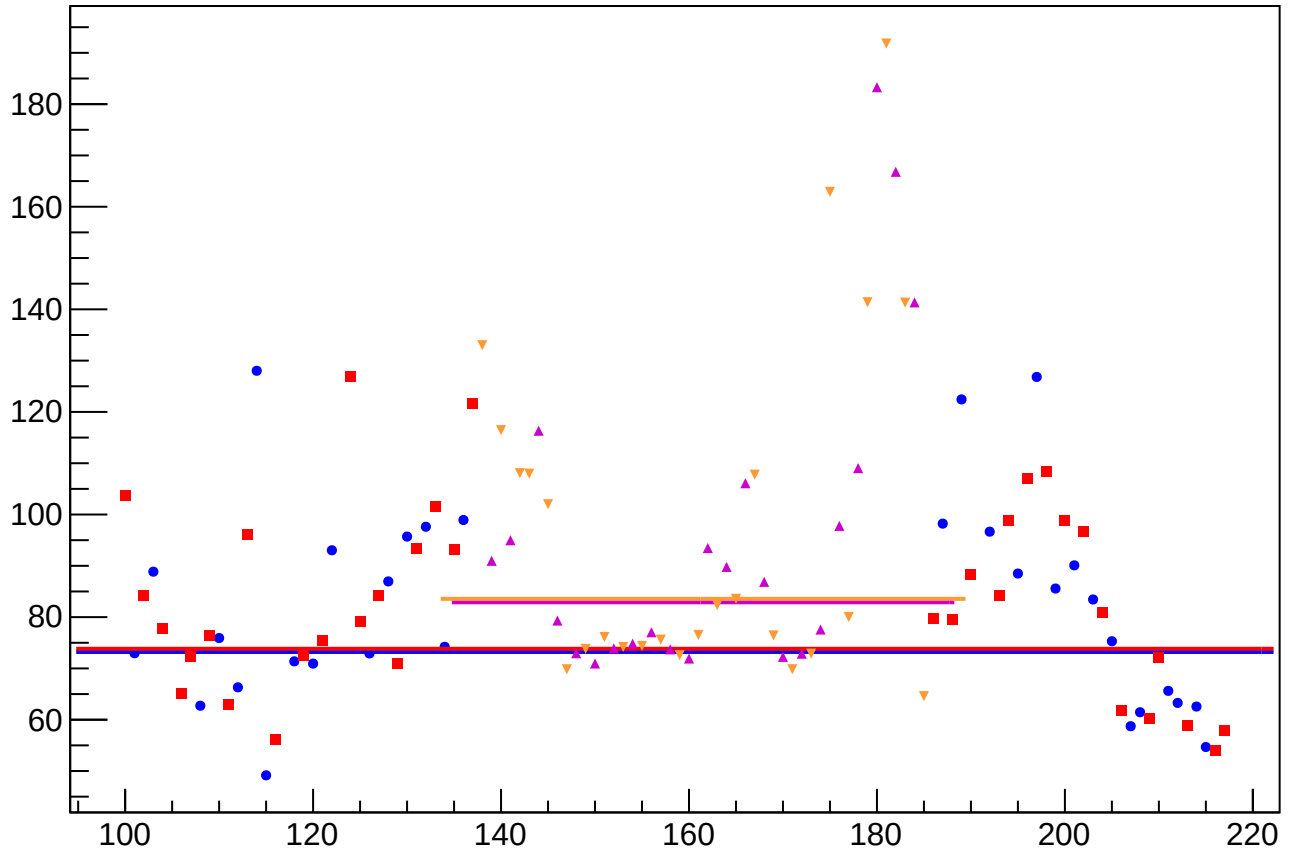
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.008+/-0.012 χ^2/NDF: 74.8/65

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.006+/-0.013 χ^2/NDF:69.9/59

All: 0.000+/-0.009 χ^2/NDF: 137.1/113



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: 73.828+/-0.012 χ^2/NDF: 1708094.5/34

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

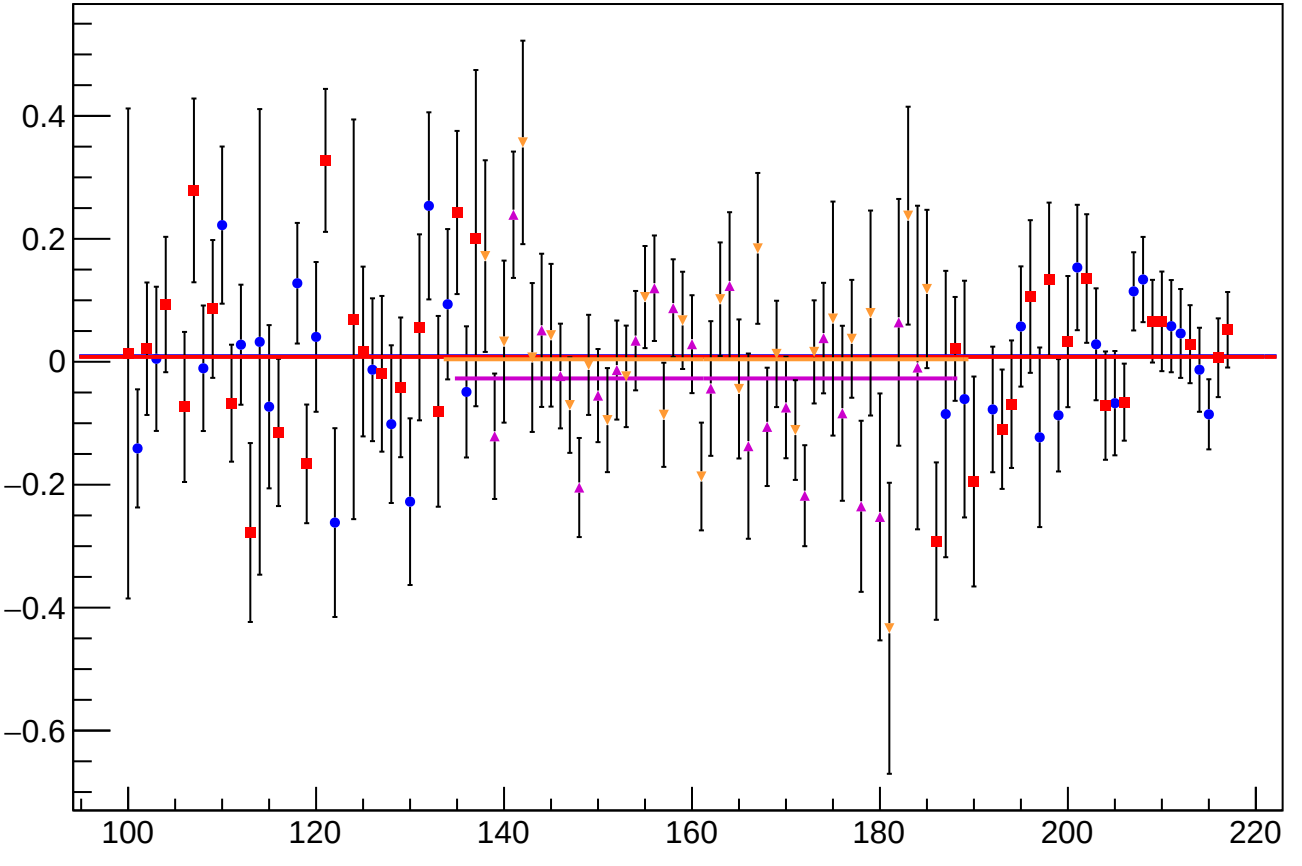
Right: 73.528+/-0.009 χ^2/NDF: 3338925.8/65

In: 77.314+/-0.009 χ^2/NDF:3458197.5/53

Out: 77.890+/-0.009 χ^2/NDF:4149103.6/59

All: 77.608+/-0.007 χ^2/NDF: 7609193.8/113

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.008+/-0.017 χ^2/NDF: 41.7/34

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

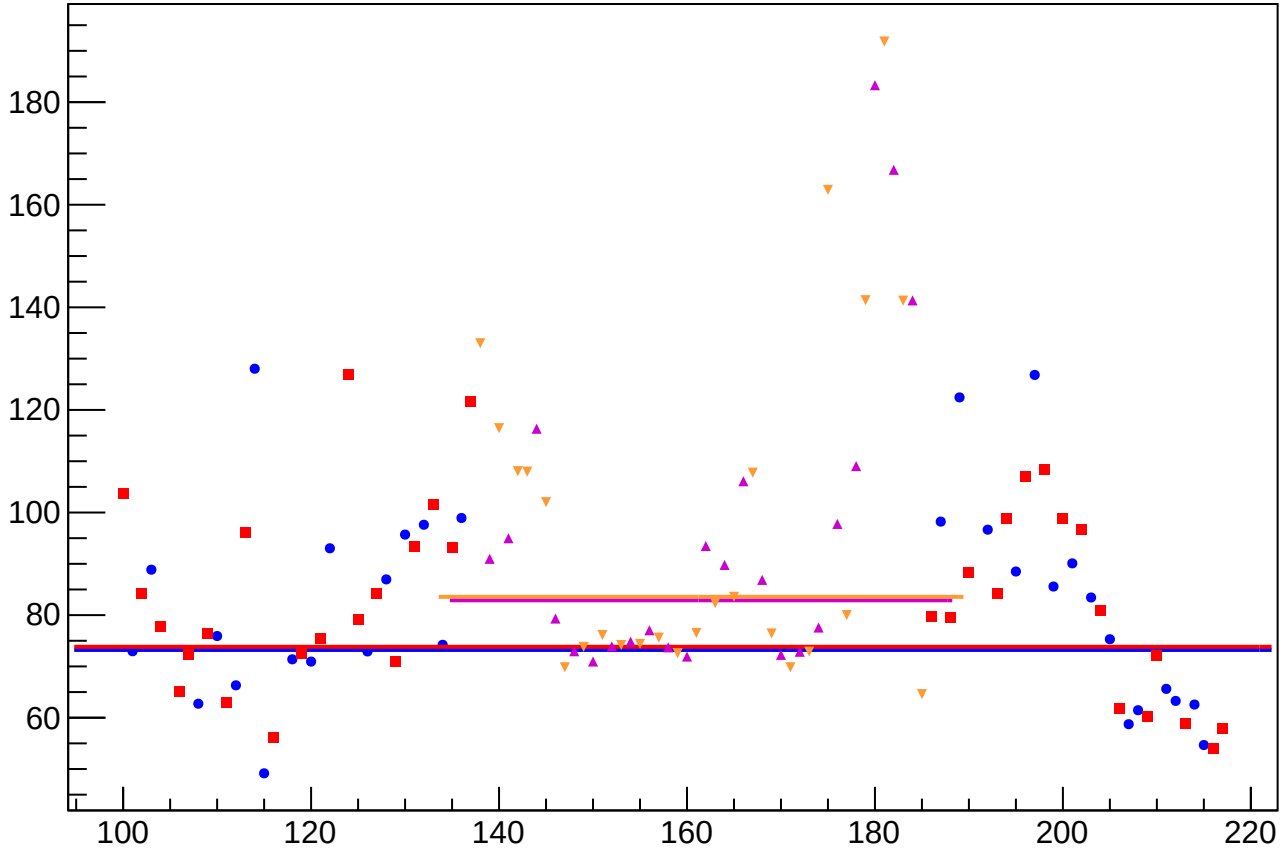
Right: 0.008+/-0.012 χ^2/NDF: 74.8/65

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.006+/-0.013 χ^2/NDF:69.9/59

All: 0.000+/-0.009 χ^2/NDF: 137.1/113

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 73.828+/-0.012 χ^2/NDF: 1708094.5/34

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

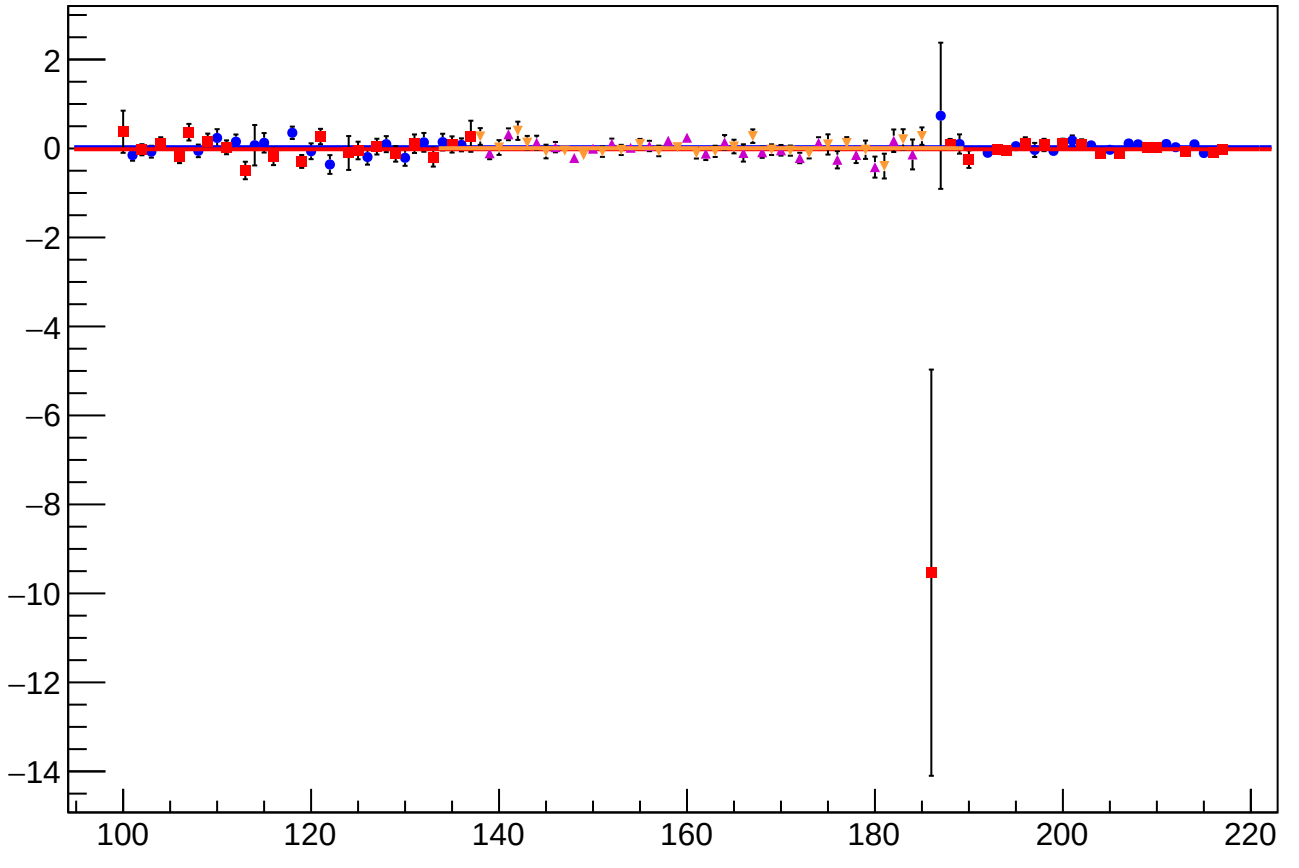
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 73.528+/-0.009 χ^2/NDF: 3338925.8/65

In: 77.314+/-0.009 χ^2/NDF:3458197.5/53

Out: 77.890+/-0.009 χ^2/NDF:4149103.6/59

All: 77.608+/-0.007 χ^2/NDF: 7609193.8/113



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+/-0.023 χ^2/NDF: 37.0/34

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

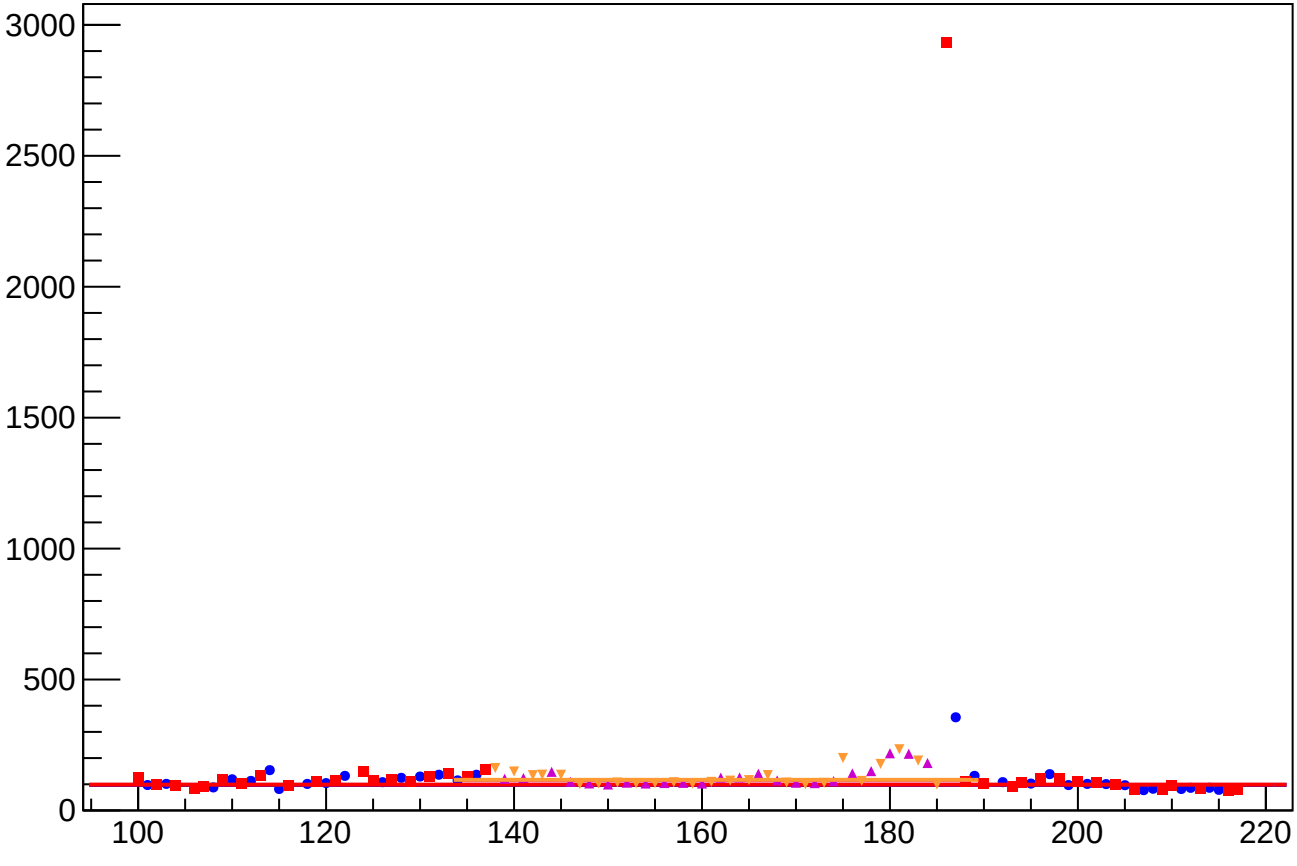
Right: 0.006+/-0.016 χ^2/NDF: 67.0/65

In: 0.022+/-0.018 χ^2/NDF:59.6/53

Out: -0.008+/-0.018 χ^2/NDF:58.7/59

All: 0.007+/-0.013 χ^2/NDF: 119.7/113

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: 98.508+/-0.016 χ^2/NDF: 1852676.4/34

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

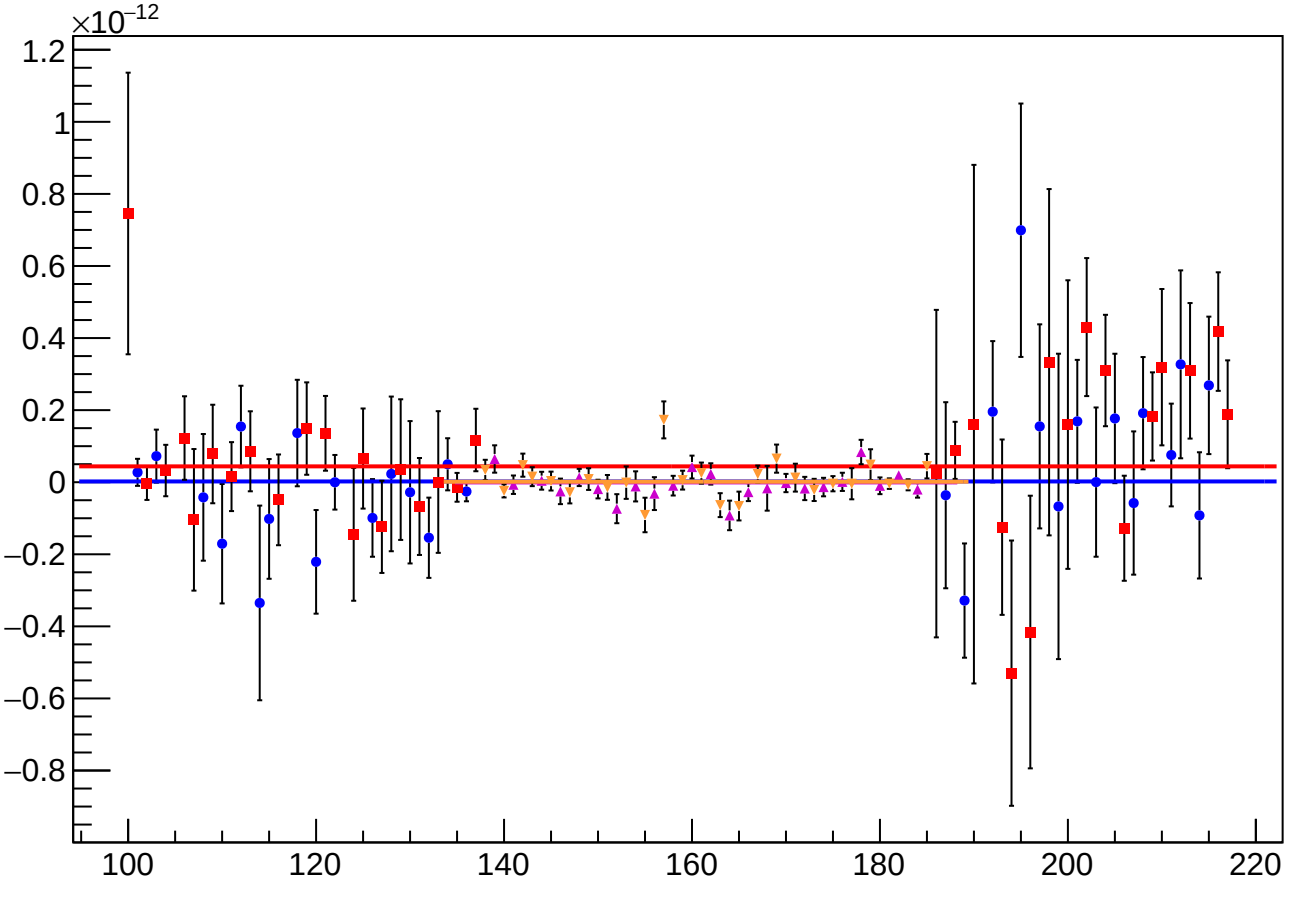
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 97.984+/-0.011 χ^2/NDF: 2991104.0/65

In: 104.857+/-0.013 χ^2/NDF:2878481.0/53

Out: 105.882+/-0.012 χ^2/NDF:3973912.1/59

All: 105.378+/-0.009 χ^2/NDF: 6855738.4/113



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: 38.5/34

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

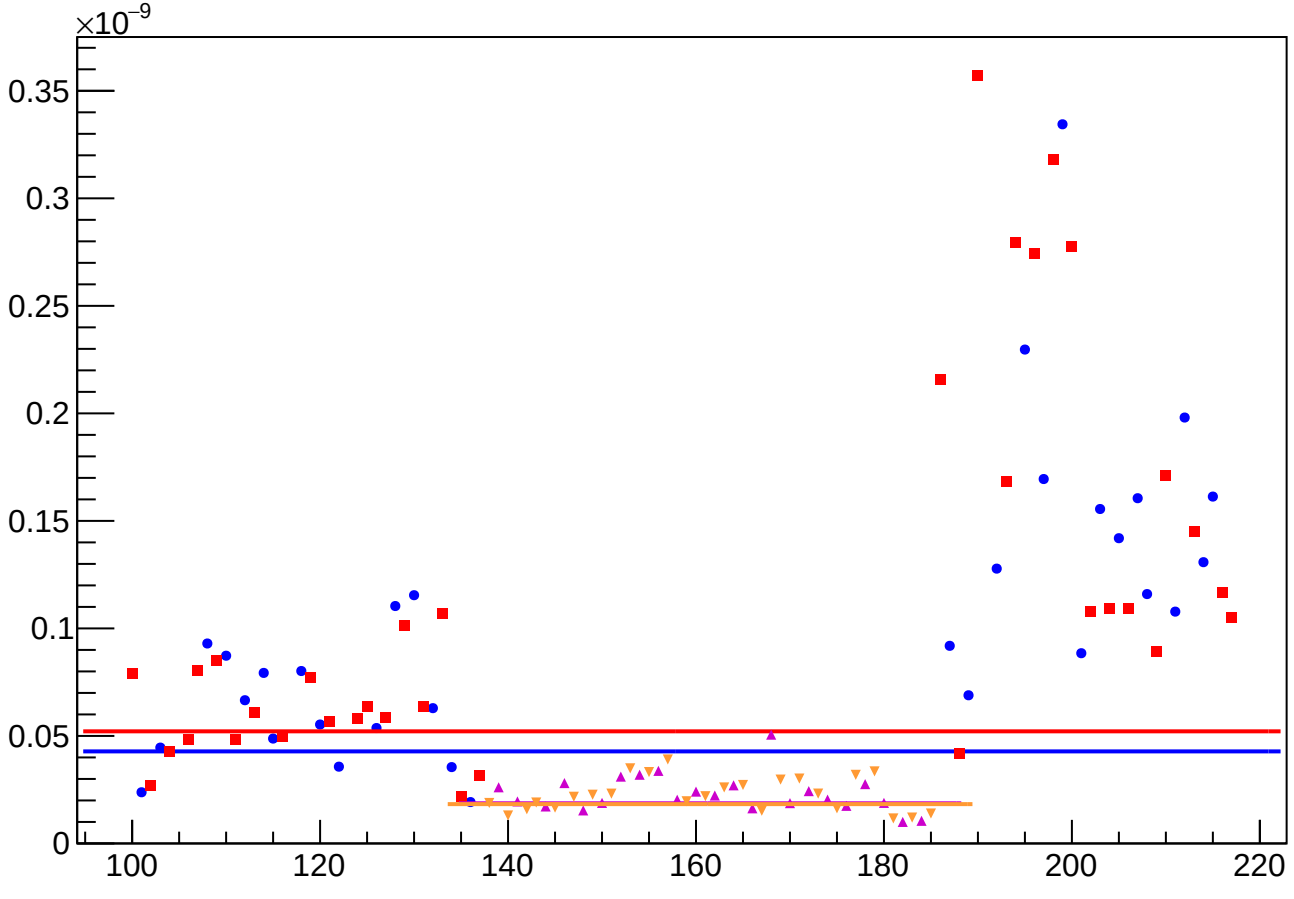
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 72.3/65

In: -0.000+/-0.000 χ^2/NDF:57.8/53

Out: 0.000+/-0.000 χ^2/NDF:79.8/59

All: 0.000+/-0.000 χ^2/NDF: 138.0/113



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: 8888311.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

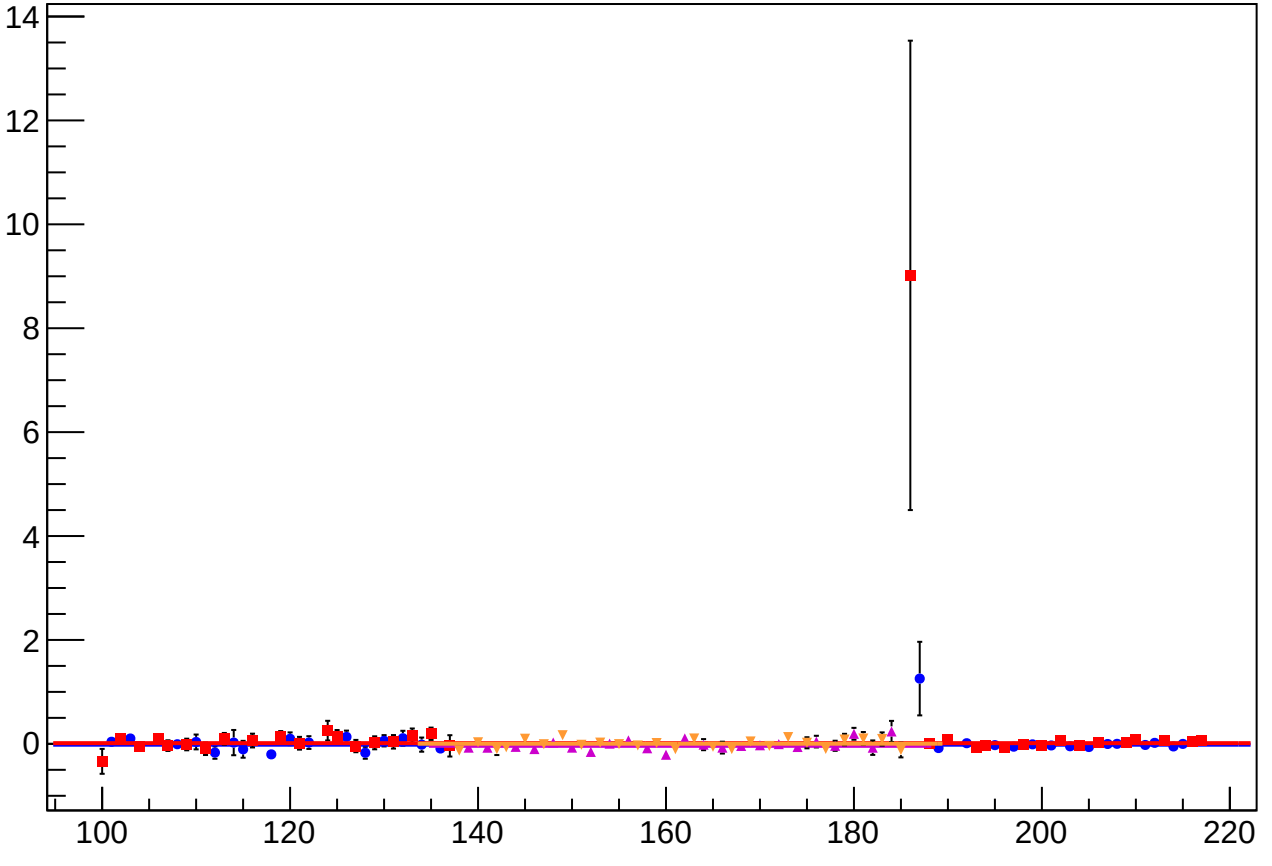
Right: 0.000+/-0.000 χ^2/NDF: 19646450.5/65

In: 0.000+/-0.000 χ^2/NDF:17064094.5/53

Out: 0.000+/-0.000 χ^2/NDF:17775186.3/59

All: 0.000+/-0.000 χ^2/NDF: 34841947.1/113

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 24.8/30

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.013+/-0.011 χ^2/NDF: 41.0/34

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

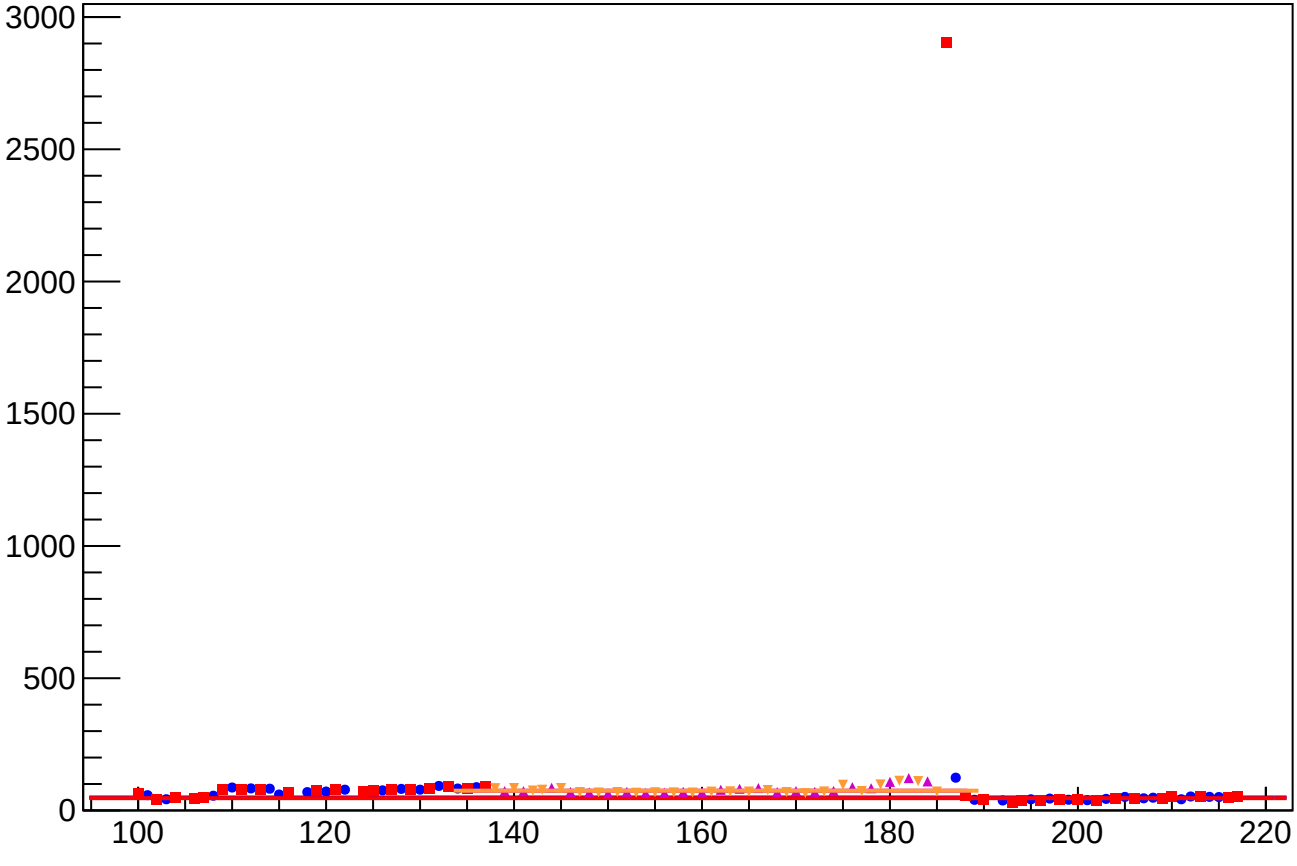
Right: -0.001+/-0.008 χ^2/NDF: 69.2/65

In: -0.023+/-0.010 χ^2/NDF:47.5/53

Out: 0.010+/-0.009 χ^2/NDF:62.8/59

All: -0.006+/-0.007 χ^2/NDF: 116.3/113

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.936+/-0.008 χ^2/NDF: 2299218.8/30

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.496+/-0.008 χ^2/NDF: 3693033.3/34

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

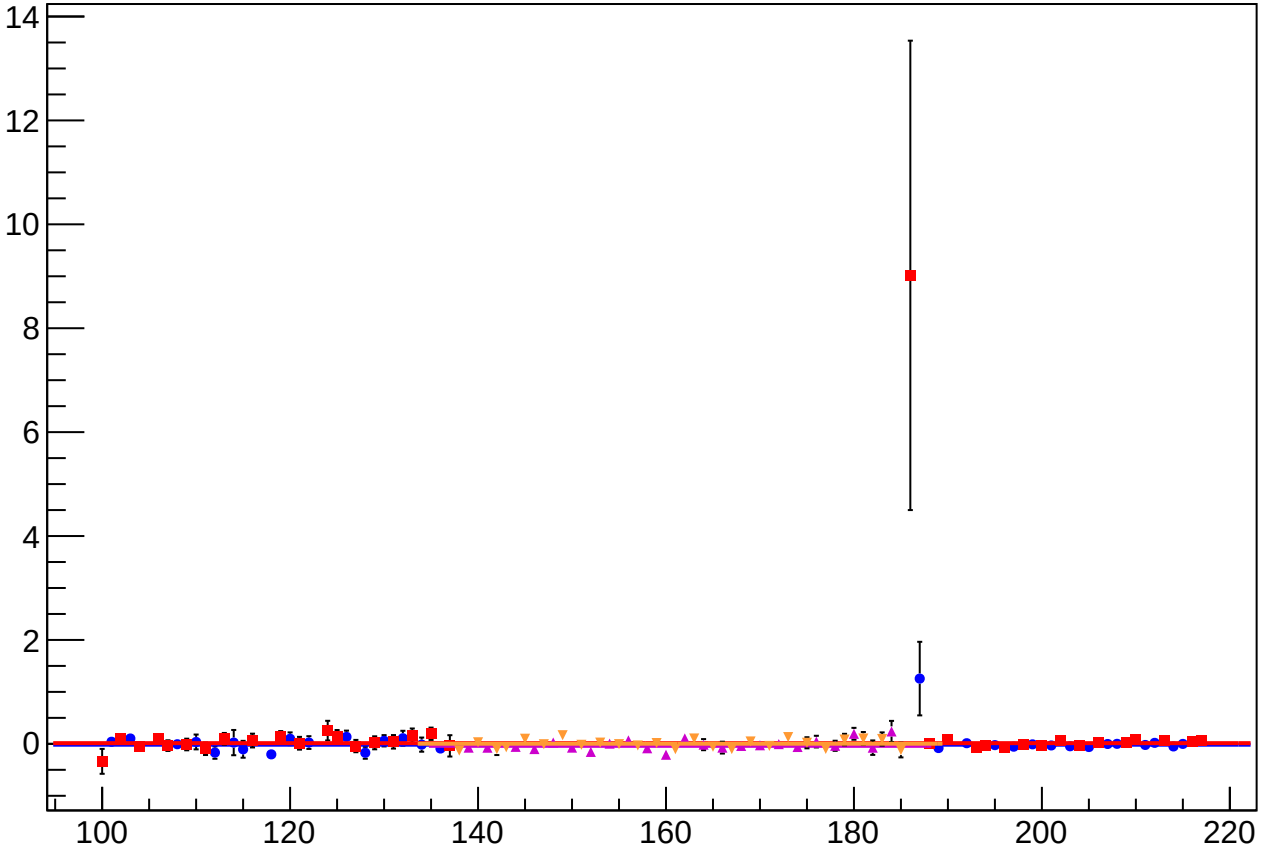
Right: 47.644+/-0.006 χ^2/NDF: 6037179.4/65

In: 56.769+/-0.007 χ^2/NDF:5877381.1/53

Out: 54.716+/-0.007 χ^2/NDF:8165133.0/59

All: 55.692+/-0.005 χ^2/NDF: 14087874.0/113

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: 0.013+/-0.011 χ^2/NDF: 41.0/34

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

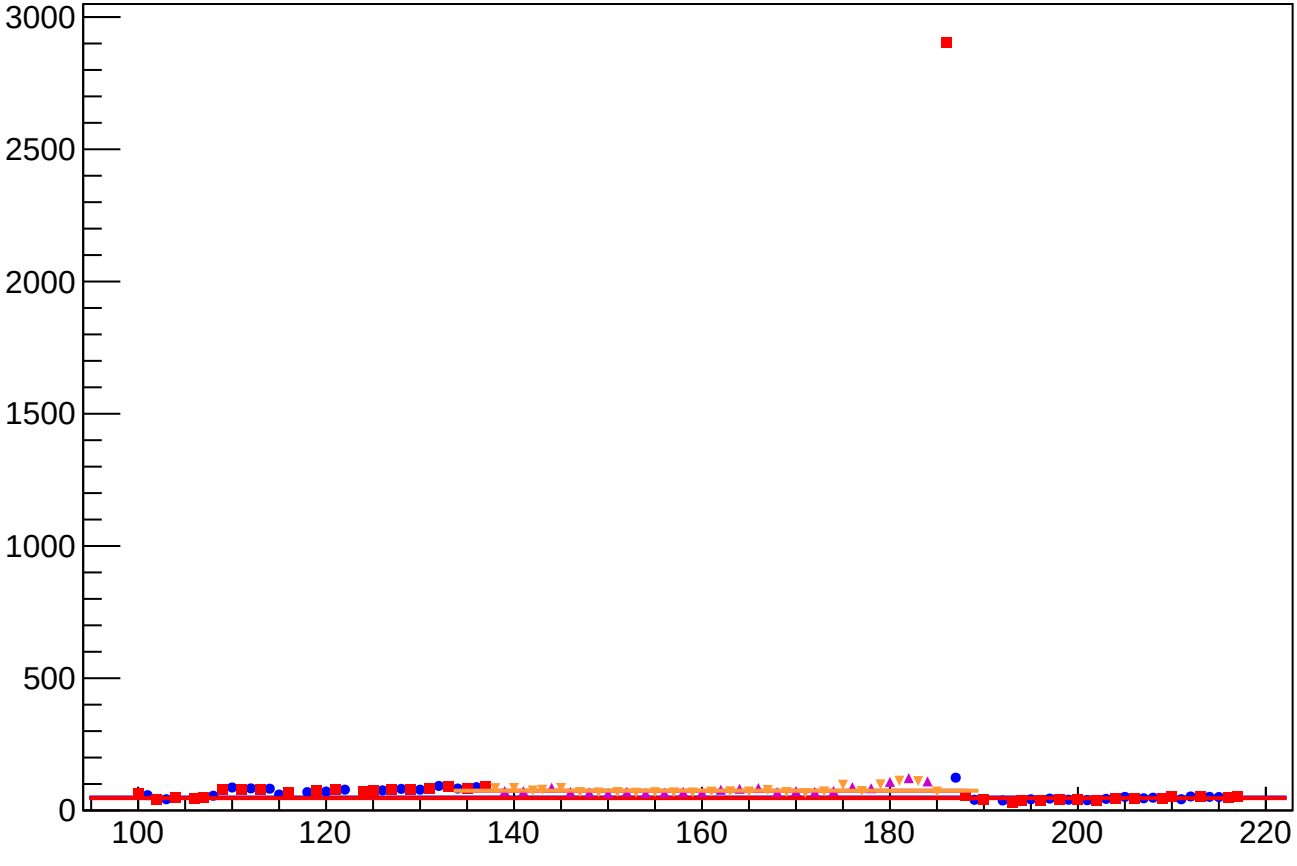
Right: -0.001+/-0.008 χ^2/NDF: 69.2/65

In: -0.023+/-0.010 χ^2/NDF:47.5/53

Out: 0.010+/-0.009 χ^2/NDF:62.8/59

All: -0.006+/-0.007 χ^2/NDF: 116.3/113

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: 46.496+/-0.008 χ^2/NDF: 3693033.3/34

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

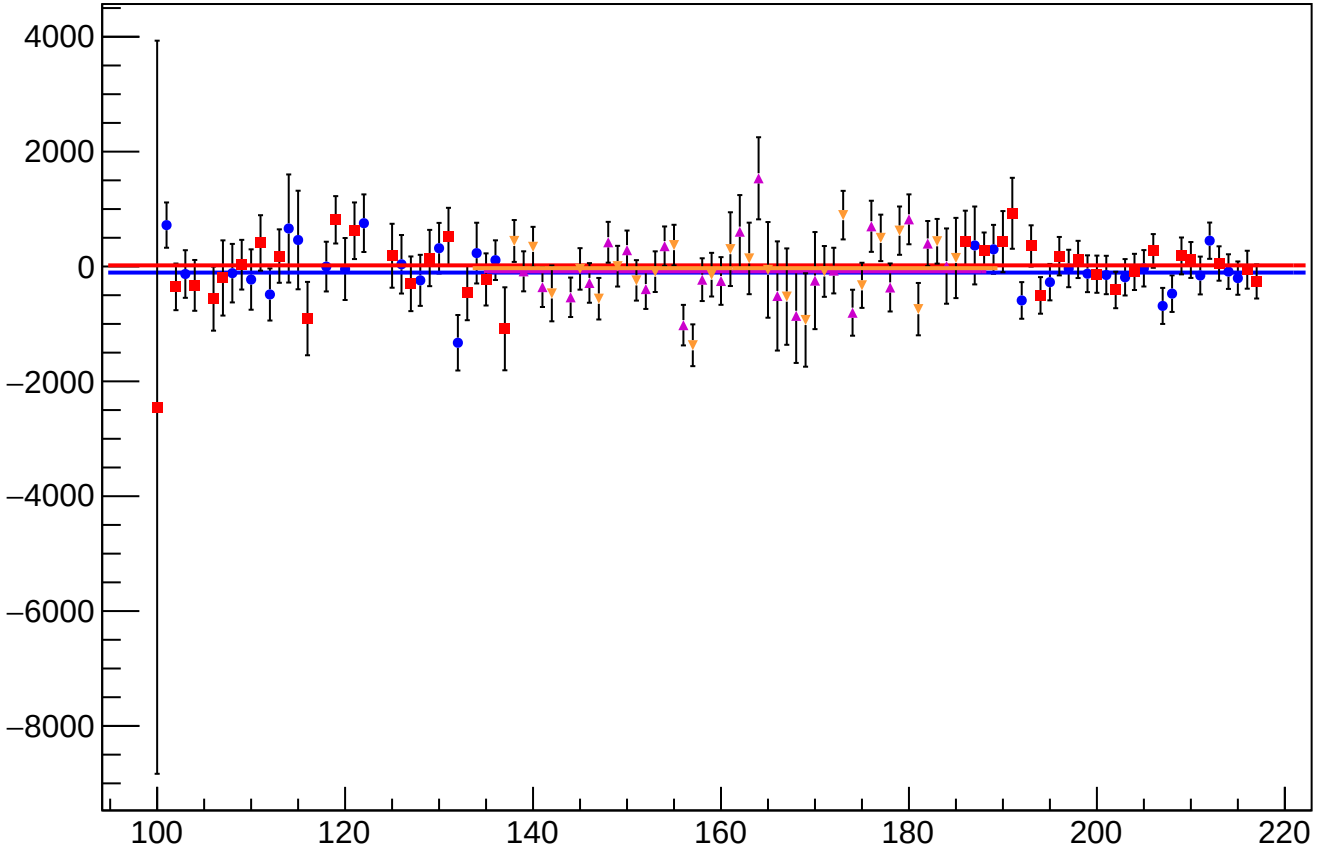
Right: 47.644+/-0.006 χ^2/NDF: 6037179.4/65

In: 56.769+/-0.007 χ^2/NDF:5877381.1/53

Out: 54.716+/-0.007 χ^2/NDF:8165133.0/59

All: 55.692+/-0.005 χ^2/NDF: 14087874.0/113

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: 19.651+/-67.561 χ^2/NDF: 28.3/34

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

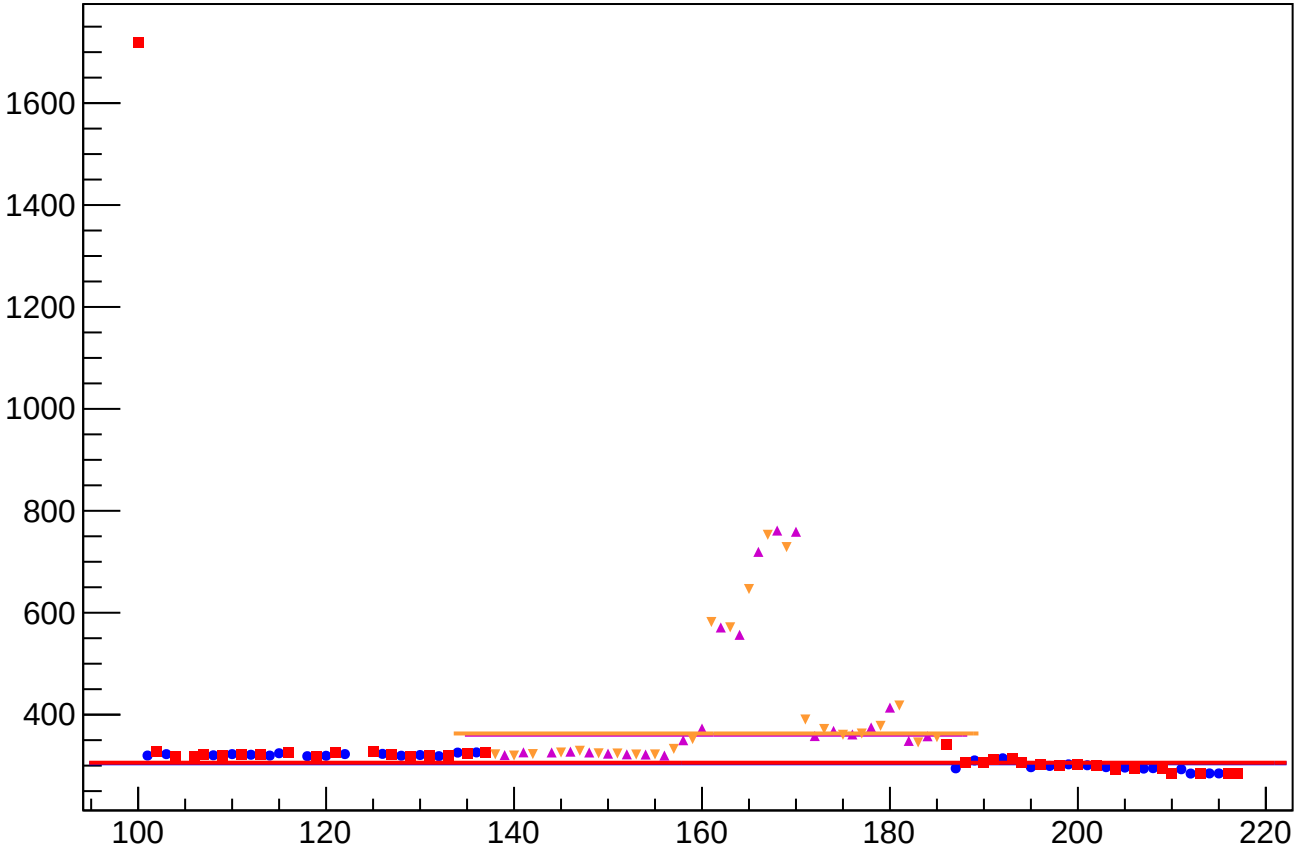
Right: -41.493+/-48.406 χ^2/NDF: 59.7/65

In: -97.267+/-54.119 χ^2/NDF:65.6/53

Out: 1.094+/-53.252 χ^2/NDF:65.1/58

All: -47.292+/-37.958 χ^2/NDF: 132.3/112

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: 305.707+/-0.048 χ^2/NDF: 194302.7/34

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

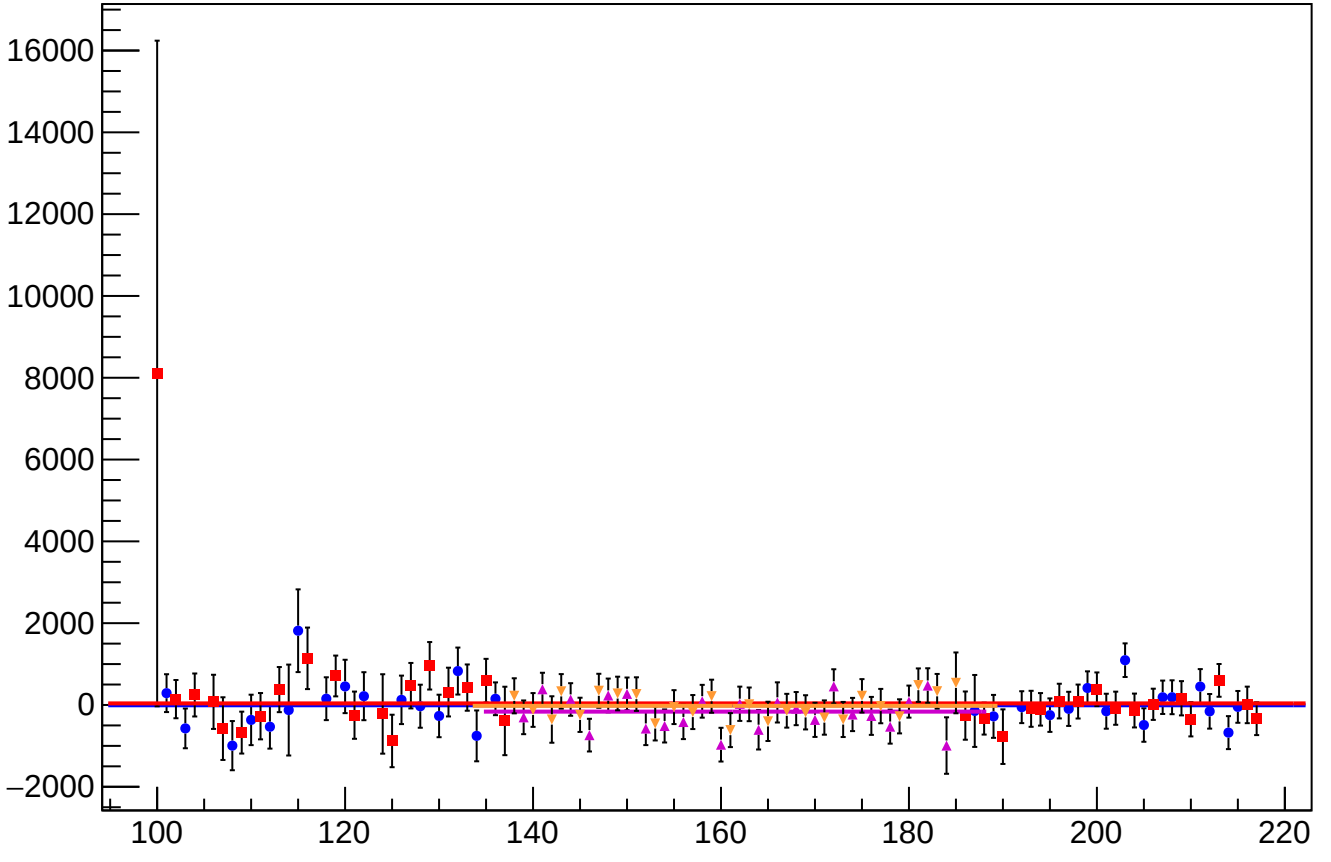
Right: 305.152+/-0.034 χ^2/NDF: 275966.3/65

In: 326.507+/-0.038 χ^2/NDF:2409646.1/53

Out: 327.436+/-0.038 χ^2/NDF:2536097.4/58

All: 326.979+/-0.027 χ^2/NDF: 4946042.9/112

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: 38.814+/-84.548 χ^2/NDF: 23.6/34

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

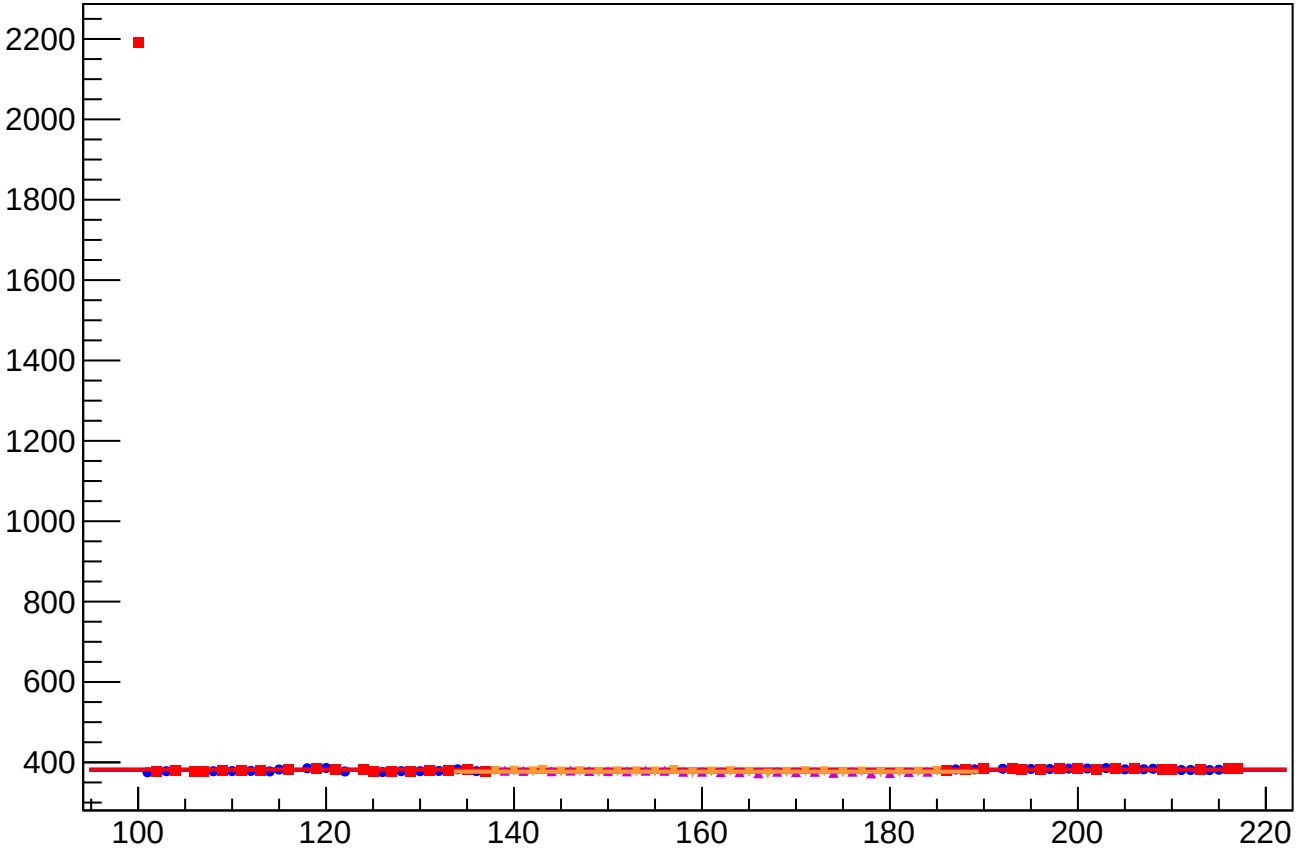
Right: 16.335+/-60.564 χ^2/NDF: 52.5/65

In: -84.113+/-61.793 χ^2/NDF:52.1/53

Out: 9.254+/-60.160 χ^2/NDF:36.4/59

All: -36.179+/-43.105 χ^2/NDF: 89.7/113

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: 382.137+/-0.060 χ^2/NDF: 100800.7/34

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

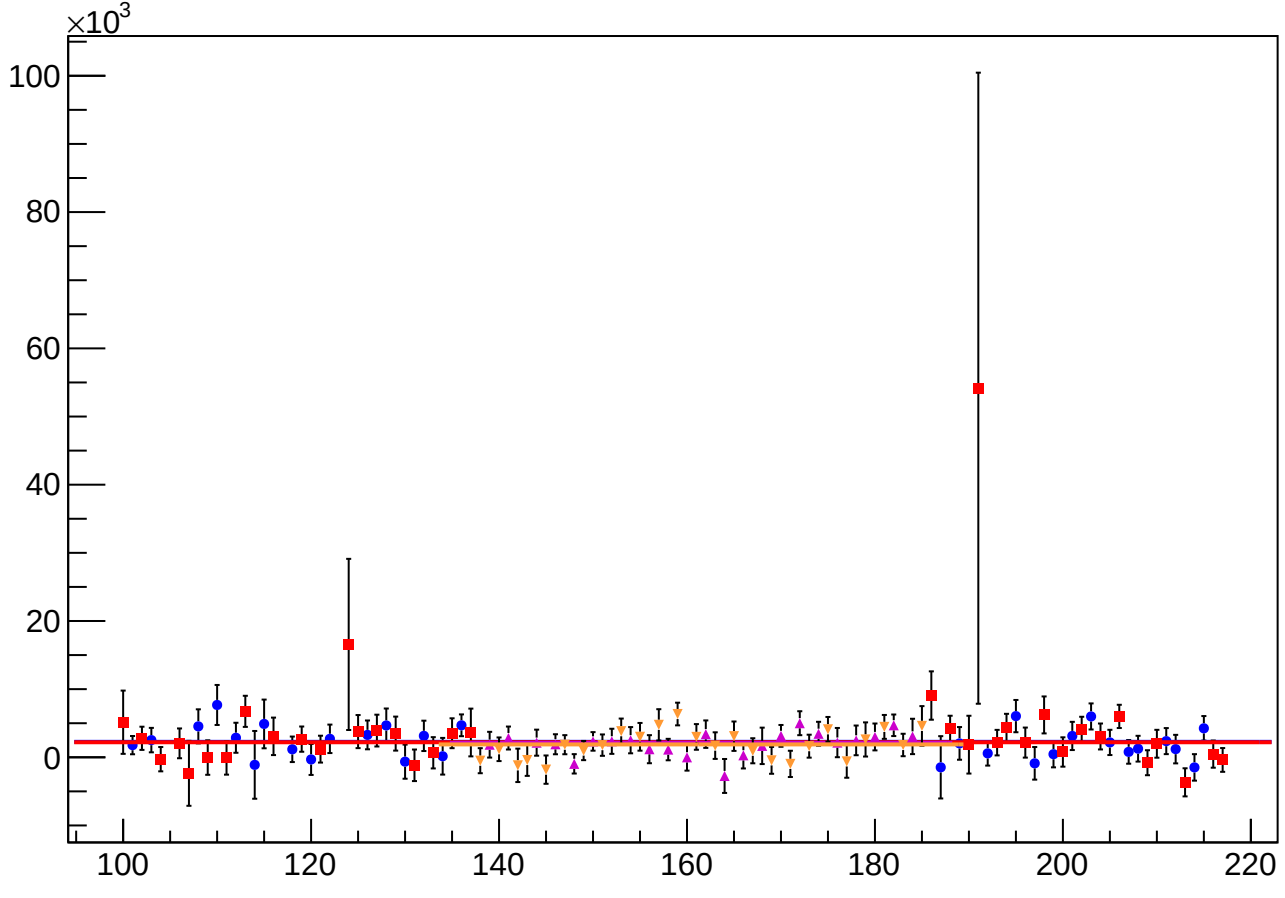
Right: 381.797+/-0.043 χ^2/NDF: 103120.6/65

In: 379.173+/-0.044 χ^2/NDF:6088.5/53

Out: 379.554+/-0.043 χ^2/NDF:105638.8/59

All: 379.369+/-0.030 χ^2/NDF: 111766.3/113

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2208.092+/-375.919 χ^2/NDF: 44.7/35

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

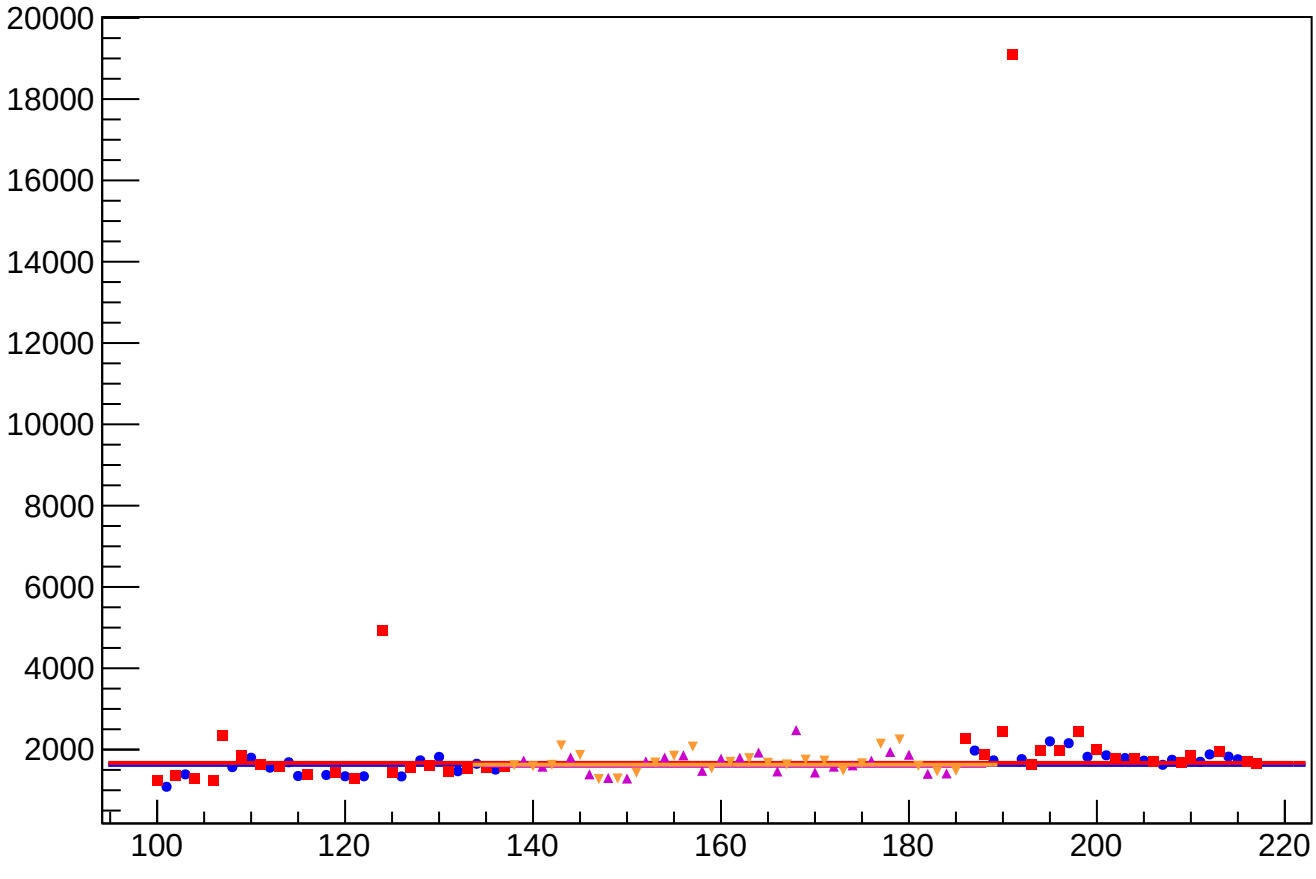
Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

Right: 2237.714+/-265.649 χ^2/NDF: 74.3/66

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

Out: 2049.381+/-265.592 χ^2/NDF:73.4/60

All: 2117.947+/-188.209 χ^2/NDF: 121.8/114



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: 1672.470+/-0.266 χ^2/NDF: 1421233.4/35

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

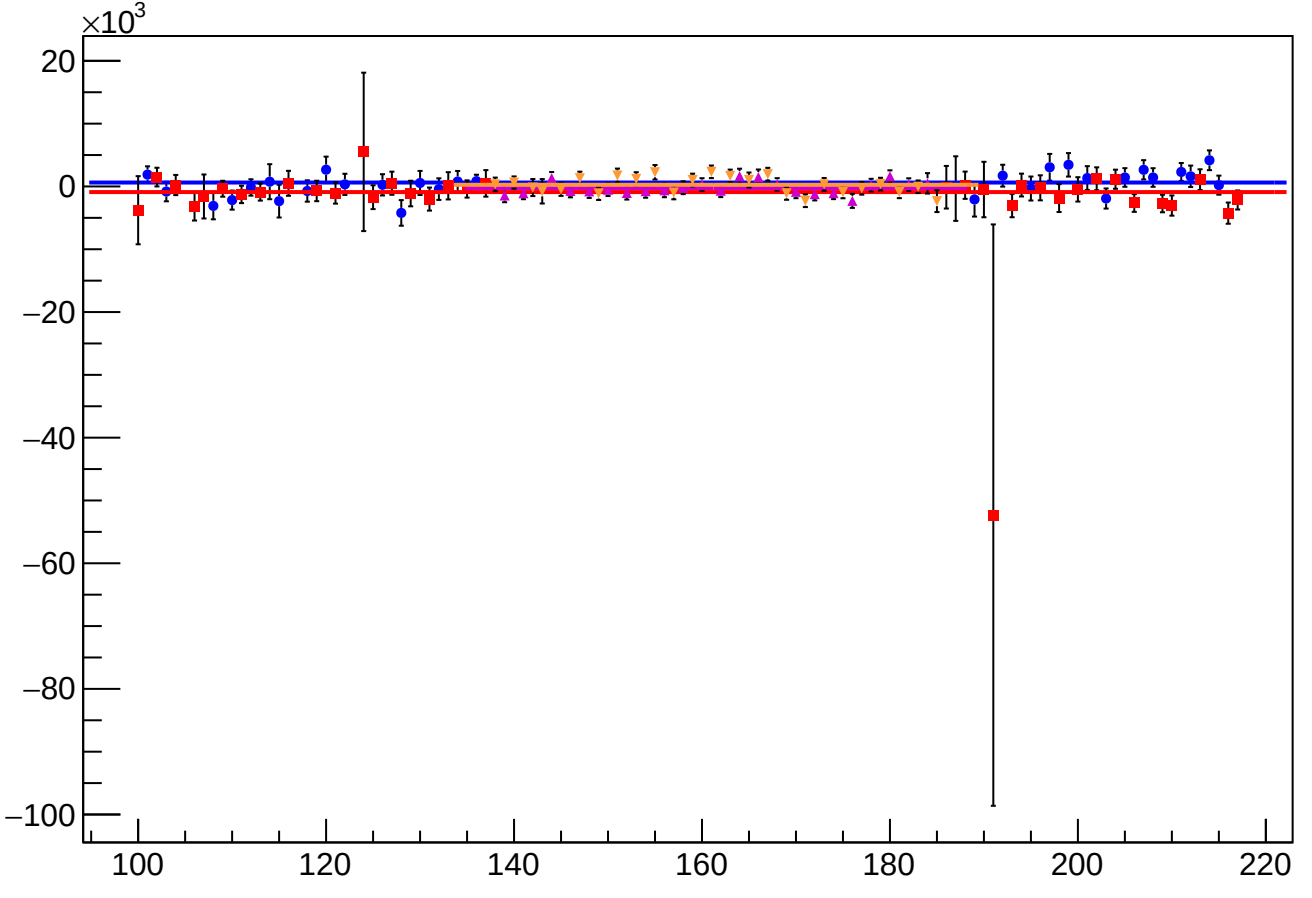
Right: 1648.243+/-0.188 χ^2/NDF: 2383353.0/66

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

Out: 1650.437+/-0.188 χ^2/NDF:2214045.2/60

All: 1631.747+/-0.133 χ^2/NDF: 3976772.0/11

asym_us_agg_dd_mean vs Slug, Sign Corrected



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: -895.604+/-303.463 χ^2/NDF: 25.3/35

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

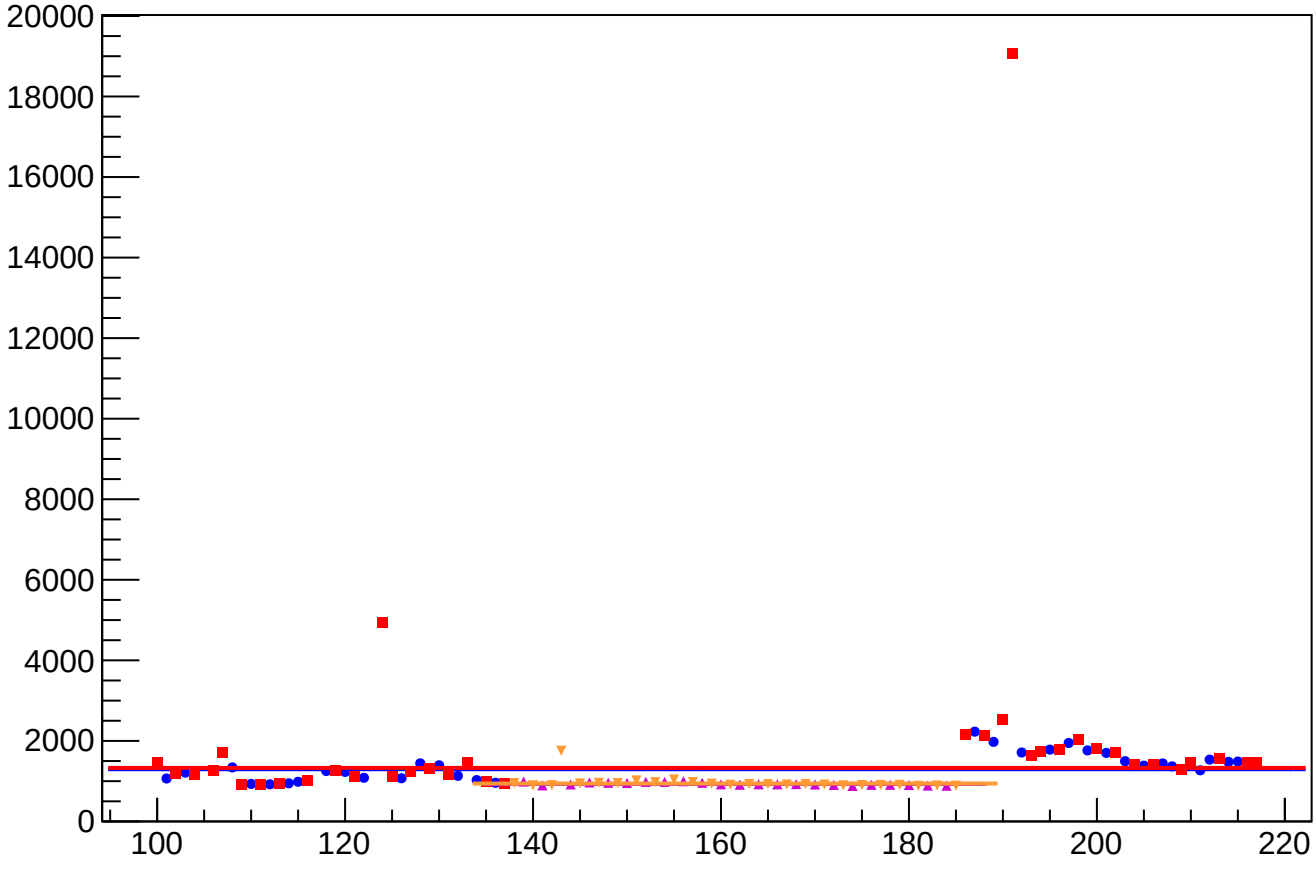
Right: -133.808+/-214.321 χ^2/NDF: 72.5/66

In: 36.749+/-176.736 χ^2/NDF:61.8/53

Out: -124.527+/-175.412 χ^2/NDF:68.9/60

All: -44.495+/-124.501 χ^2/NDF: 131.1/114

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: 1329.920+/-0.215 χ^2/NDF: 2724448.4/35

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

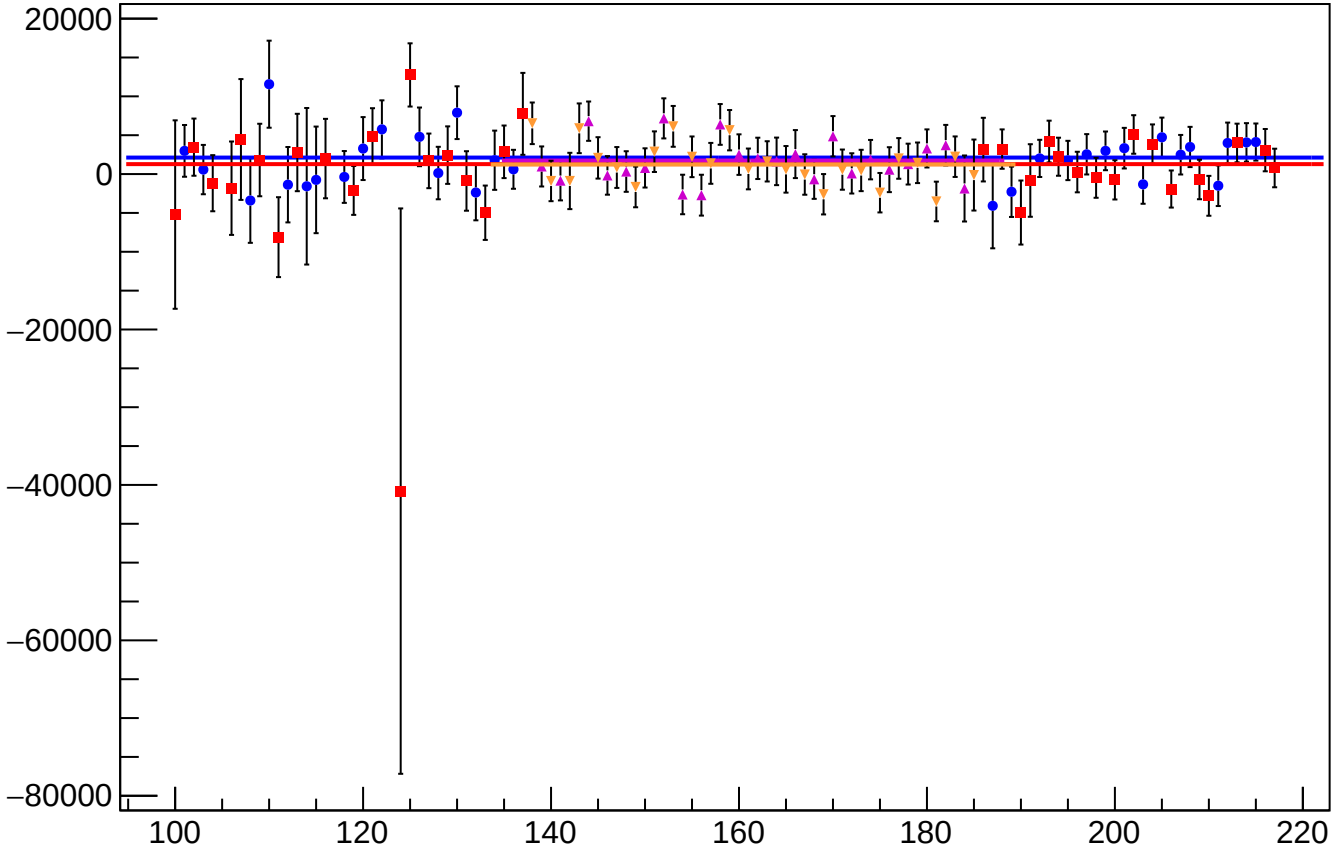
Right: 1313.324+/-0.152 χ^2/NDF: 4513602.8/66

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

Out: 1070.956+/-0.124 χ^2/NDF:5329428.9/60

All: 1063.559+/-0.088 χ^2/NDF: 9081785.8/11

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: 1278.524+/-544.508 χ^2/NDF: 37.7/35

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

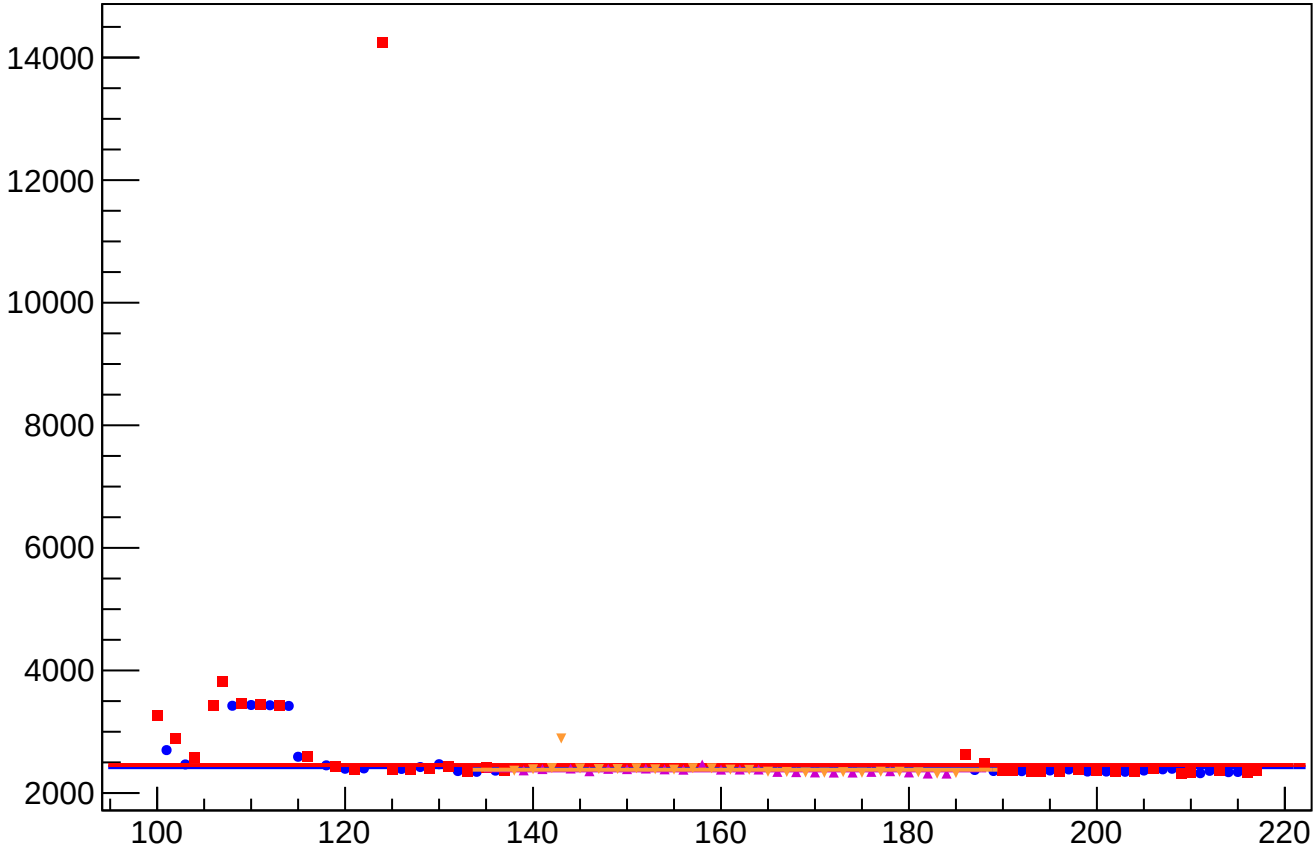
Right: 1693.644+/-388.059 χ^2/NDF: 61.7/66

In: 1931.941+/-391.187 χ^2/NDF:47.4/53

Out: 1256.496+/-383.882 χ^2/NDF:61.6/60

All: 1587.853+/-273.992 χ^2/NDF: 110.5/114

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: 2457.053+/-0.385 χ^2/NDF: 656683.2/35

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

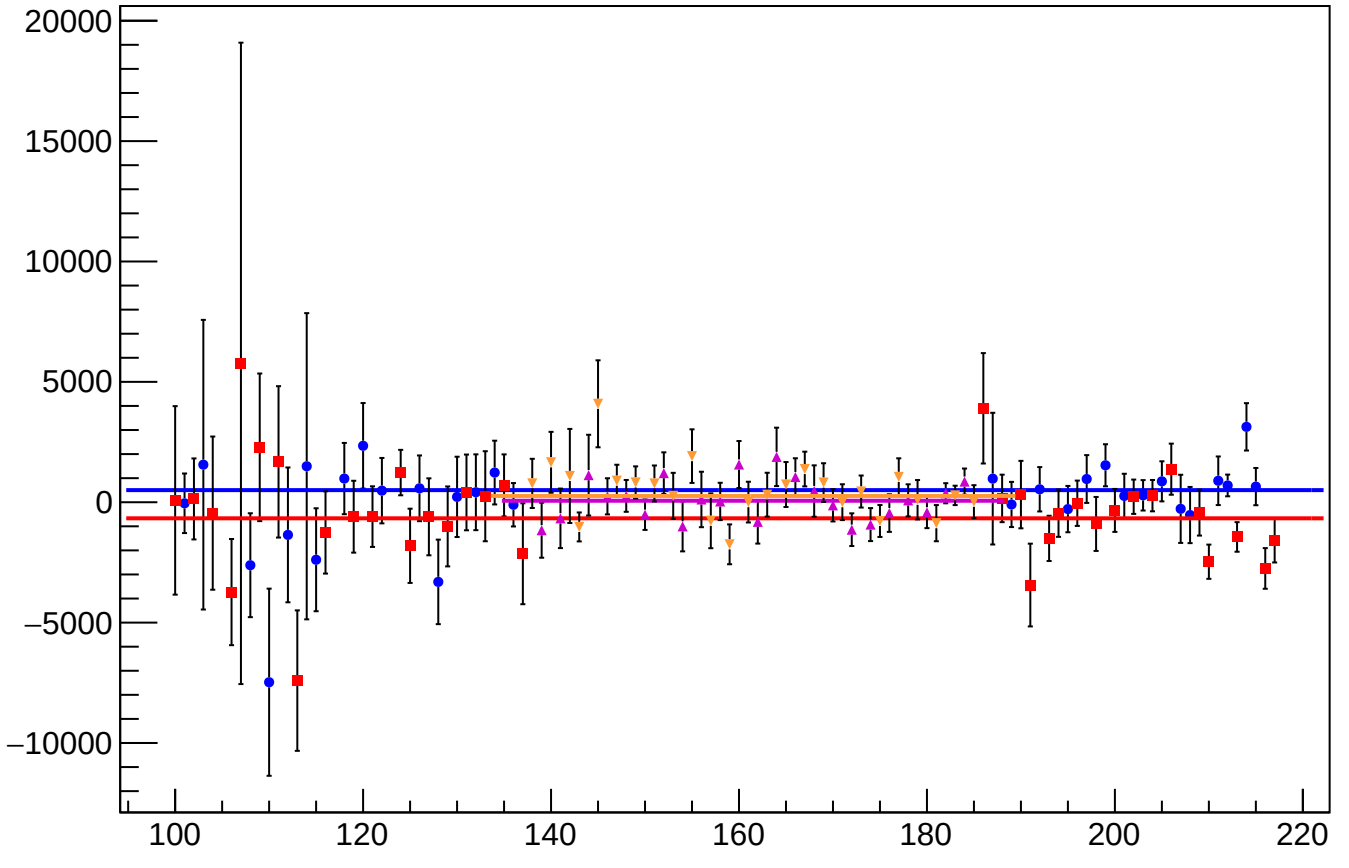
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2439.837+/-0.274 χ^2/NDF: 937717.2/66

In: 2395.729+/-0.277 χ^2/NDF:293074.0/53

Out: 2418.920+/-0.271 χ^2/NDF:733809.4/60

All: 2407.543+/-0.194 χ^2/NDF: 1030464.1/11



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: -667.782+/-191.440 χ^2/NDF: 48.2/35

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

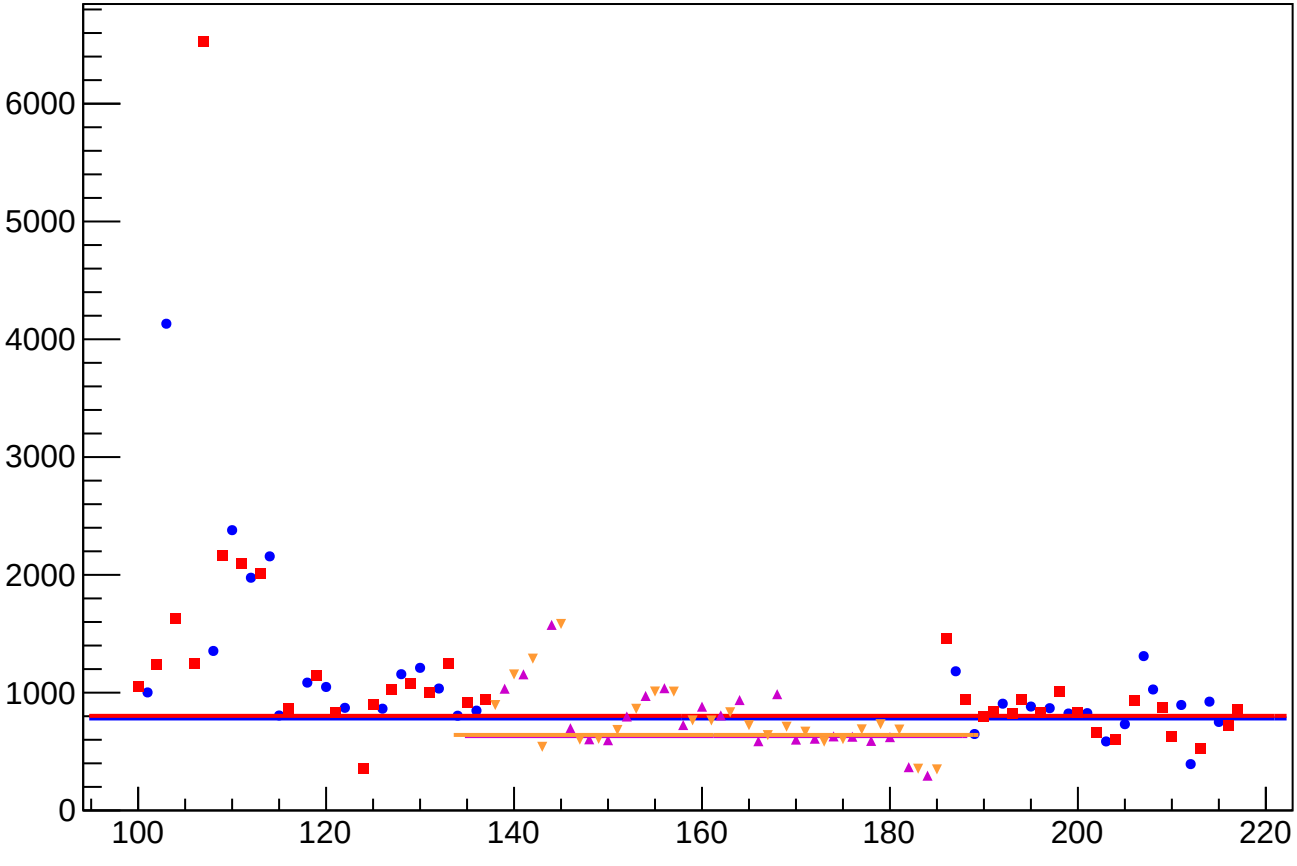
Right: -86.527+/-135.858 χ^2/NDF: 94.0/66

In: 238.388+/-121.933 χ^2/NDF:52.3/53

Out: -103.389+/-119.998 χ^2/NDF:93.6/60

All: 64.767+/-85.527 χ^2/NDF: 149.9/114

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 780.884+/-0.136 χ^2/NDF: 4336567.8/30

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 803.234+/-0.135 χ^2/NDF: 3809885.4/35

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

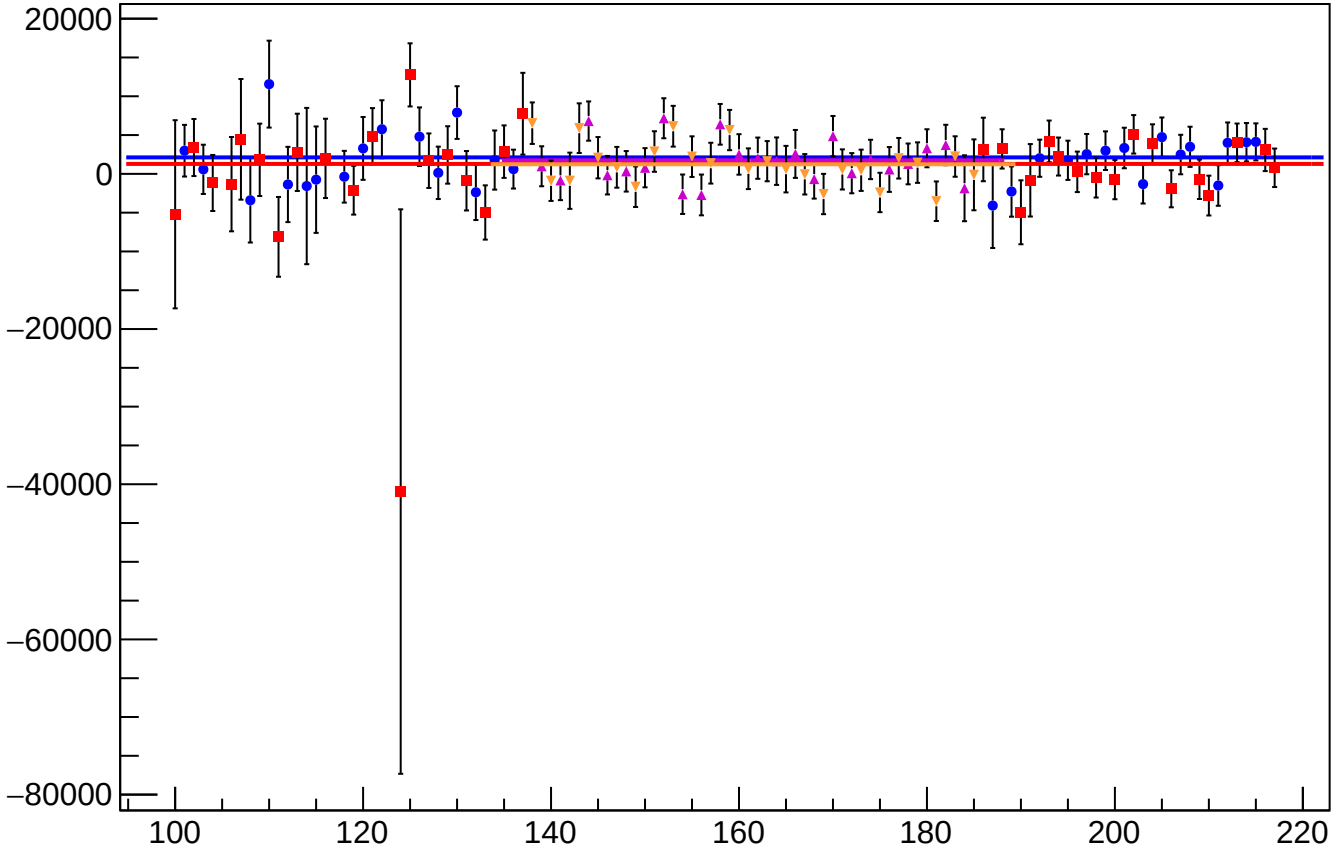
Right: 792.140+/-0.096 χ^2/NDF: 8159984.7/66

In: 691.049+/-0.086 χ^2/NDF:9035280.1/53

Out: 704.837+/-0.085 χ^2/NDF:8155050.3/60

All: 698.053+/-0.060 χ^2/NDF: 17203322.5/11

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: 1281.450+/-544.559 χ^2/NDF: 37.6/35

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

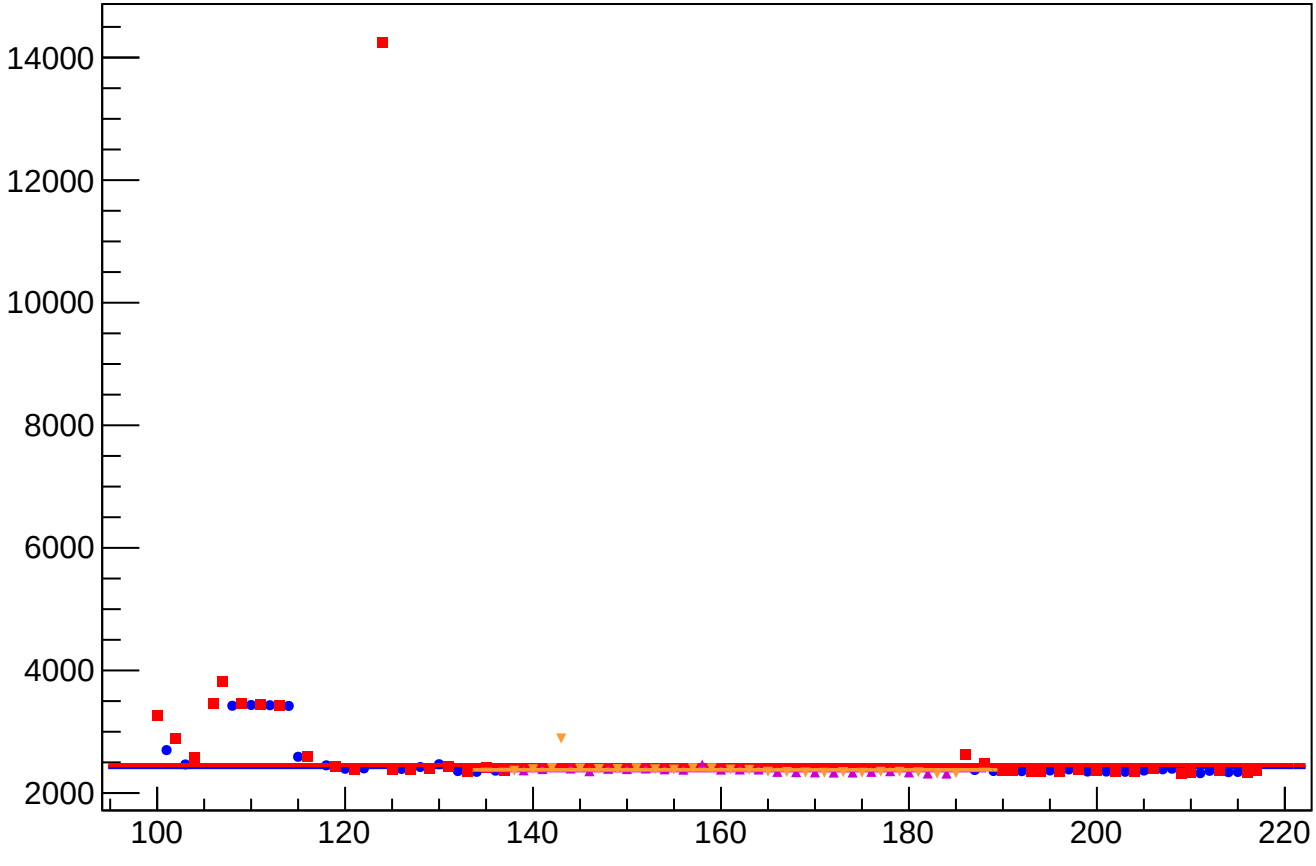
Right: 1695.272+/-388.077 χ^2/NDF: 61.6/66

In: 1932.072+/-391.187 χ^2/NDF:47.4/53

Out: 1257.937+/-383.900 χ^2/NDF:61.5/60

All: 1588.667+/-273.998 χ^2/NDF: 110.4/114

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: 2457.188+/-0.385 χ^2/NDF: 659652.7/35

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

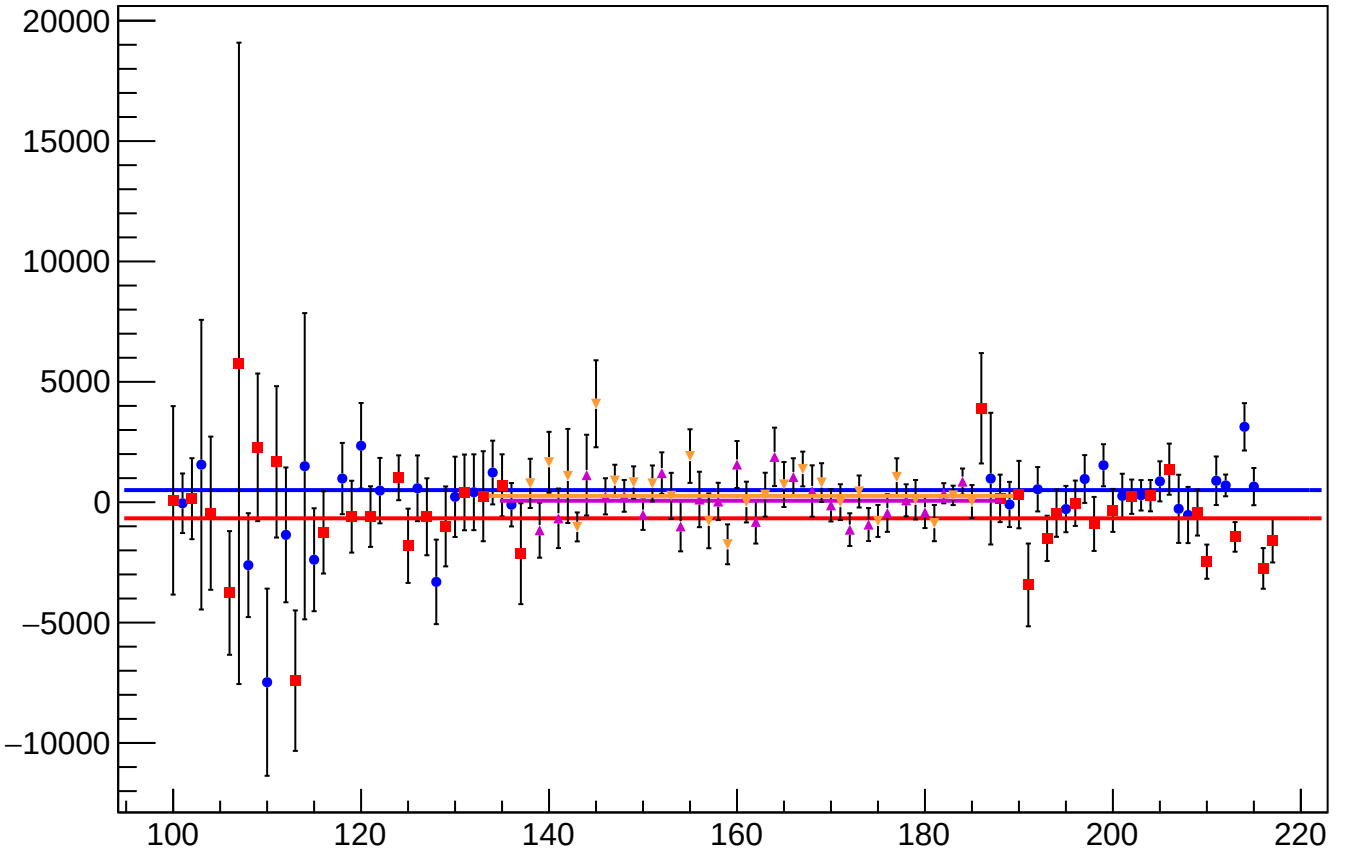
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2439.904+/-0.274 χ^2/NDF: 940717.7/66

In: 2395.729+/-0.277 χ^2/NDF:293074.1/53

Out: 2418.983+/-0.271 χ^2/NDF:736846.4/60

All: 2407.575+/-0.194 χ^2/NDF: 1033520.6/11



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: -668.758+/-191.523 χ^2/NDF: 46.9/35

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

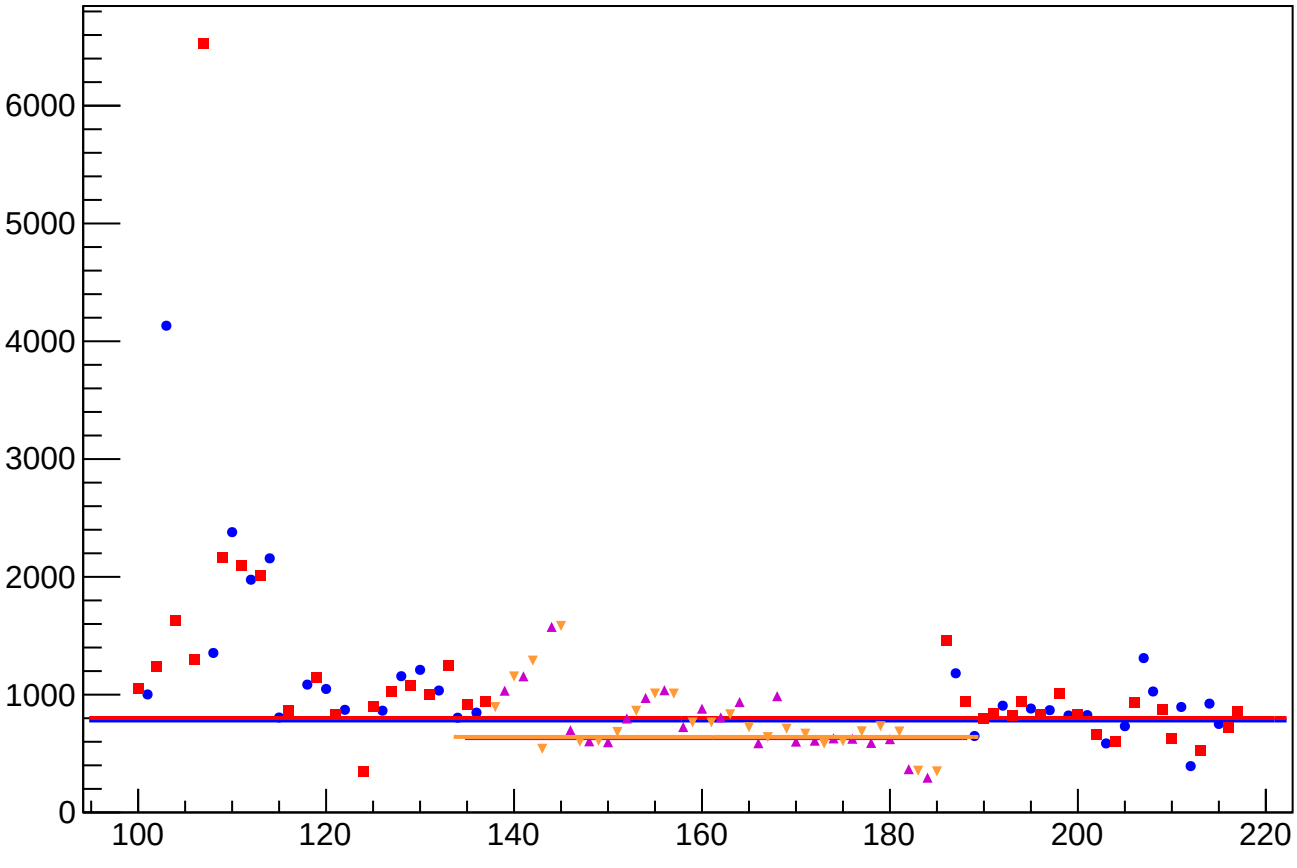
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -86.801+/-135.888 χ^2/NDF: 92.7/66

In: 238.369+/-121.933 χ^2/NDF:52.3/53

Out: -103.414+/-120.020 χ^2/NDF:92.4/60

All: 64.776+/-85.535 χ^2/NDF: 148.7/114



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: 801.924+/-0.135 χ^2/NDF: 3823830.6/35

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

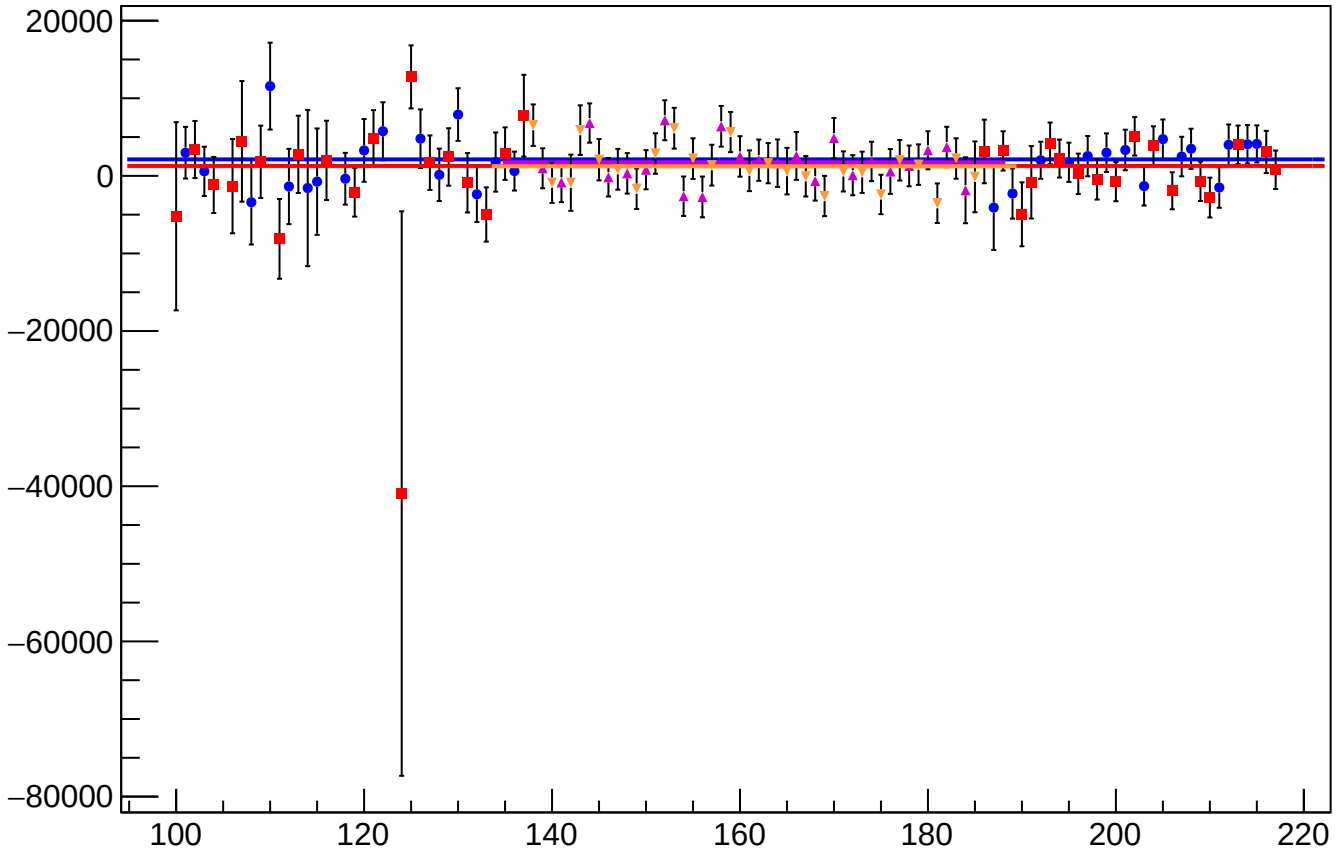
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 791.481+/-0.096 χ^2/NDF: 8171976.1/66

In: 691.051+/-0.086 χ^2/NDF:9035136.7/53

Out: 704.298+/-0.085 χ^2/NDF:8154102.8/60

All: 697.779+/-0.060 χ^2/NDF: 17201228.8/11



Right In: 2122.317+/-553.191 χ^2/NDF: 22.8/30

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1281.450+/-544.559 χ^2/NDF: 37.6/35

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

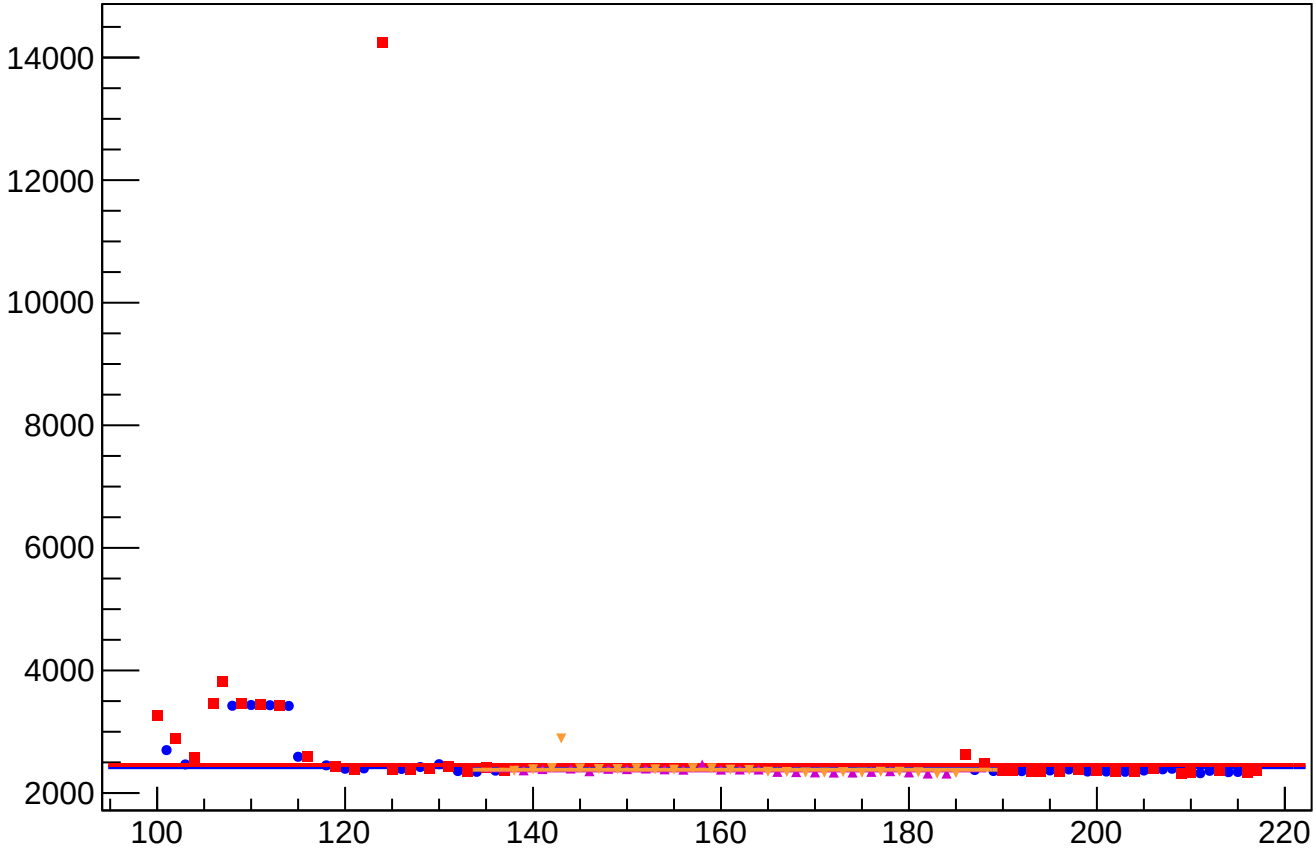
Right: 1695.272+/-388.077 χ^2/NDF: 61.6/66

In: 1932.072+/-391.187 χ^2/NDF:47.4/53

Out: 1257.937+/-383.900 χ^2/NDF:61.5/60

All: 1588.667+/-273.998 χ^2/NDF: 110.4/114

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: 2457.188+/-0.385 χ^2/NDF: 659652.7/35

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

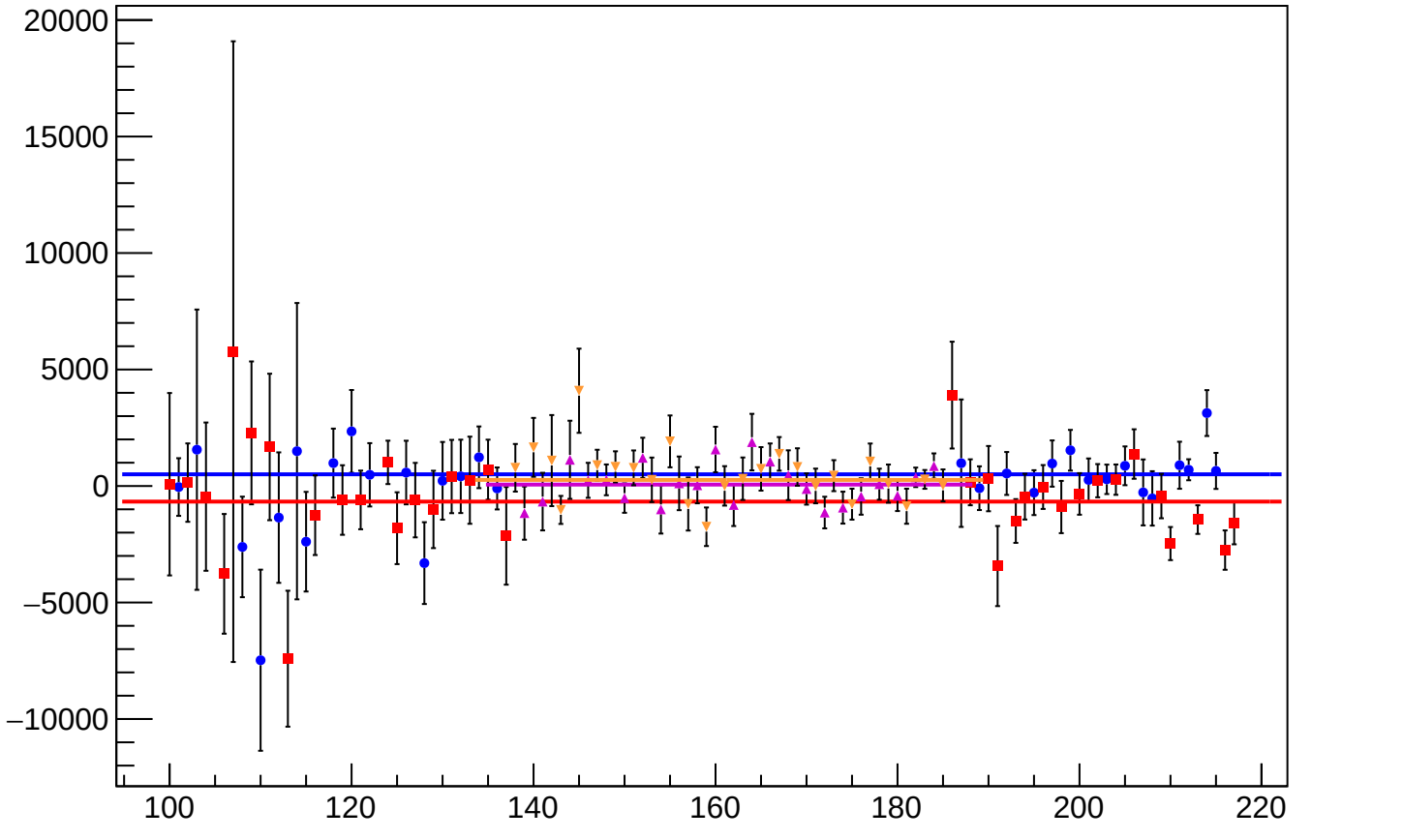
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

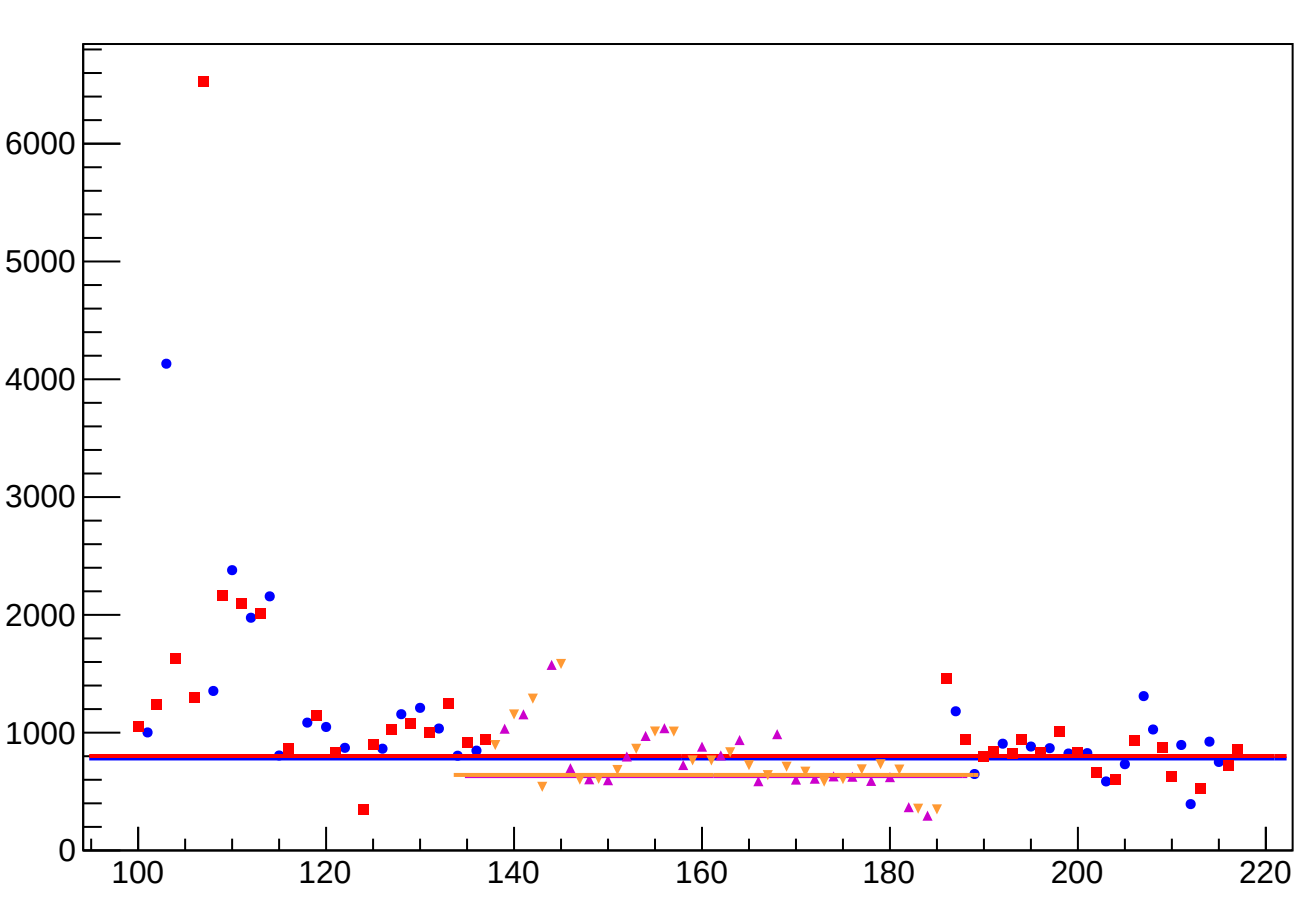
Right: 2439.904+/-0.274 χ^2/NDF: 940717.7/66

In: 2395.729+/-0.277 χ^2/NDF:293074.1/53

Out: 2418.983+/-0.271 χ^2/NDF:736846.4/60

All: 2407.575+/-0.194 χ^2/NDF: 1033520.6/11


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 503.139+/-192.832 χ²/NDF: 27.2/30
Left Out: 262.160+/-154.012 χ²/NDF:31.1/24
Right Out: -668.758+/-191.523 χ²/NDF: 46.9/35
Left In: 61.976+/-157.393 χ²/NDF:22.0/22
Left: 164.242+/-110.079 χ²/NDF: 53.9/47
Right: -86.801+/-135.888 χ²/NDF: 92.7/66
In: 238.369+/-121.933 χ²/NDF:52.3/53
Out: -103.414+/-120.020 χ²/NDF:92.4/60
All: 64.776+/-85.535 χ²/NDF: 148.7/114



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: 801.924+/-0.135 χ^2/NDF: 3823830.6/35

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

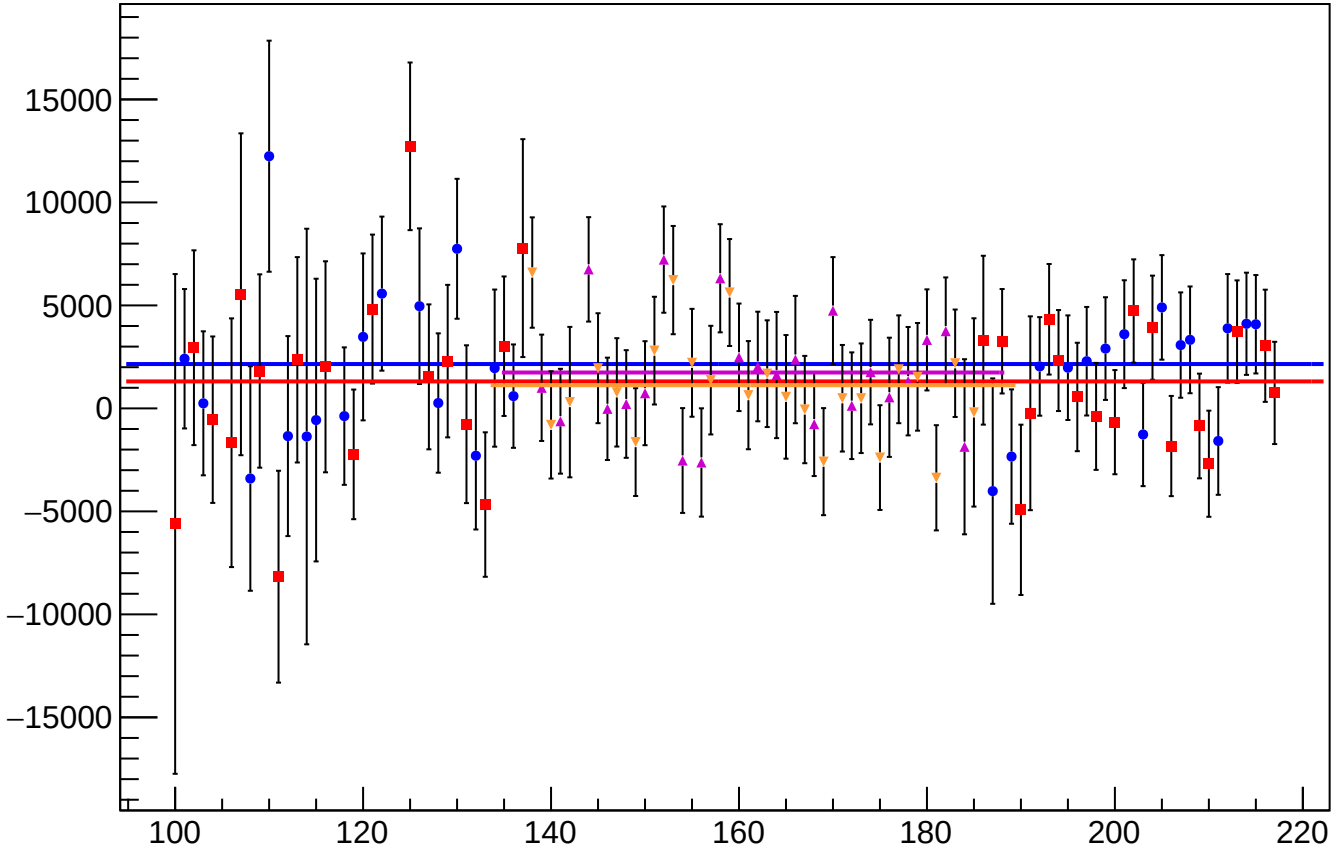
Right: 791.481+/-0.096 χ^2/NDF: 8171976.1/66

In: 691.051+/-0.086 χ^2/NDF:9035136.7/53

Out: 704.298+/-0.085 χ^2/NDF:8154102.8/60

All: 697.779+/-0.060 χ^2/NDF: 17201228.8/11

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2153.080+/-556.244 χ^2/NDF: 23.1/30

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1309.698+/-550.185 χ^2/NDF: 34.7/34

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

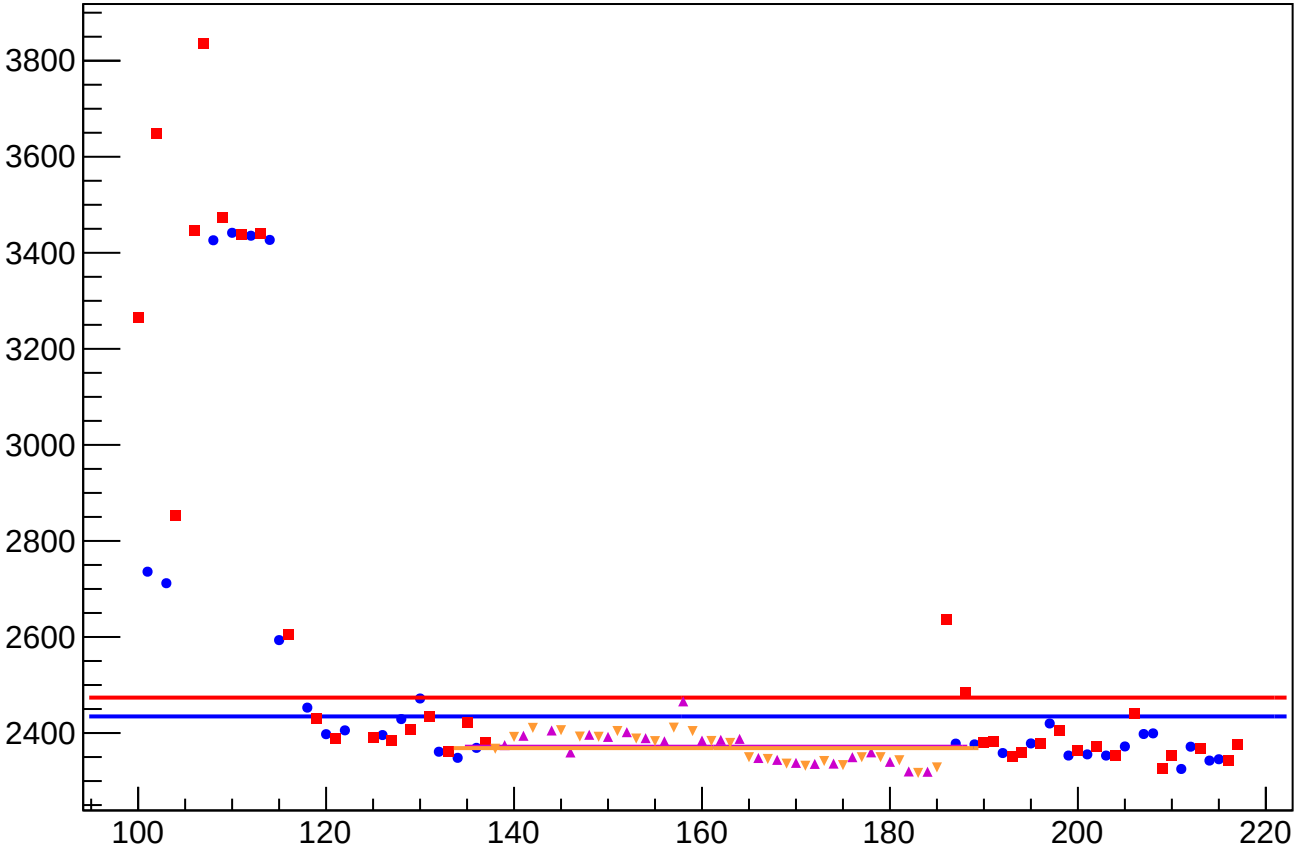
Right: 1726.771+/-391.164 χ^2/NDF: 58.9/65

In: 1946.771+/-392.441 χ^2/NDF:47.1/53

Out: 1217.571+/-388.915 χ^2/NDF:55.9/58

All: 1578.881+/-276.243 χ^2/NDF: 104.8/112

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: 2473.766+/-0.389 χ^2/NDF: 559556.6/34

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

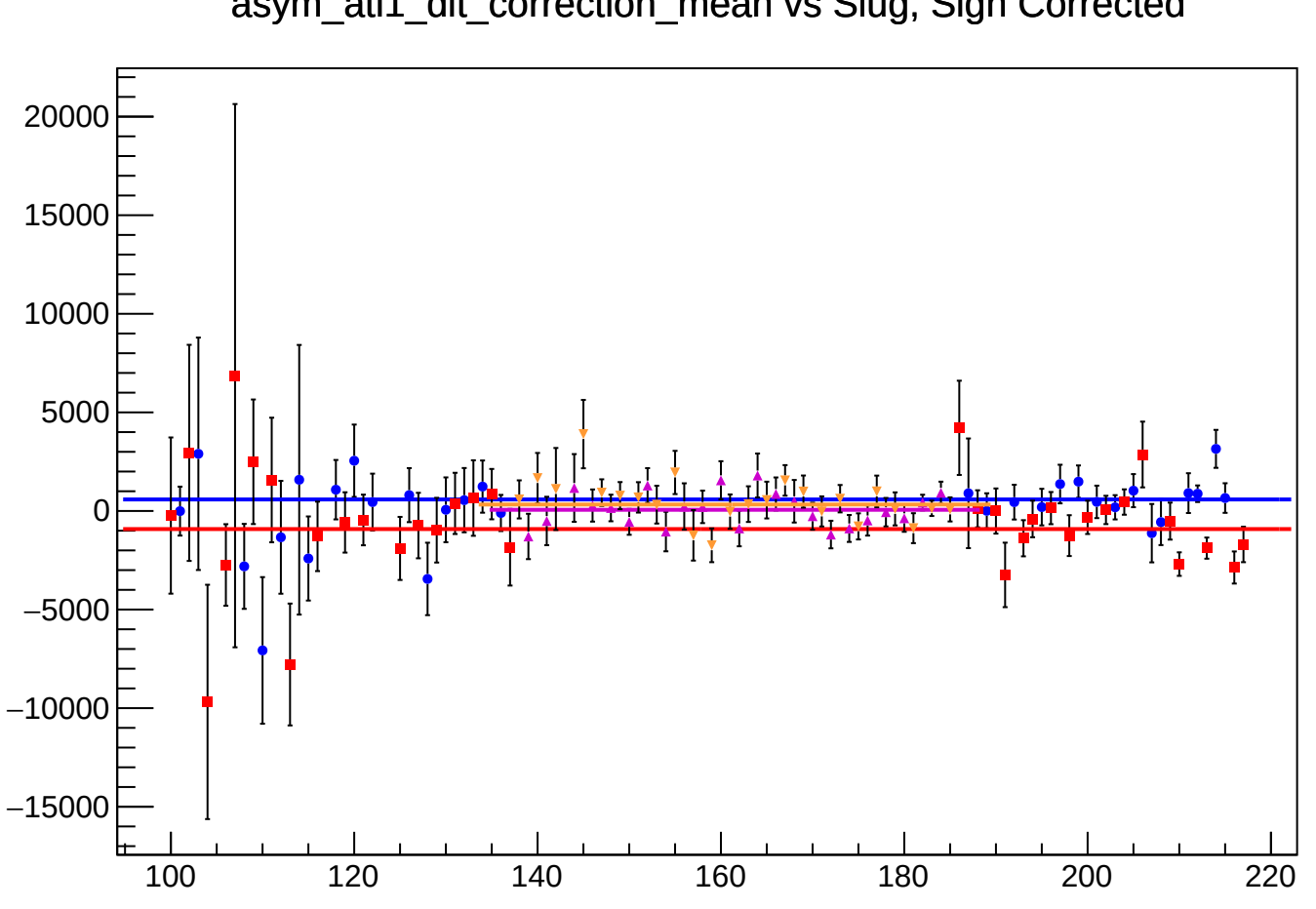
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2454.377+/-0.277 χ^2/NDF: 855345.5/65

In: 2402.897+/-0.277 χ^2/NDF:310721.9/53

Out: 2421.134+/-0.275 χ^2/NDF:601709.6/58

All: 2412.098+/-0.195 χ^2/NDF: 914610.4/112



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: -918.014+/-188.182 χ^2/NDF: 56.3/34

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

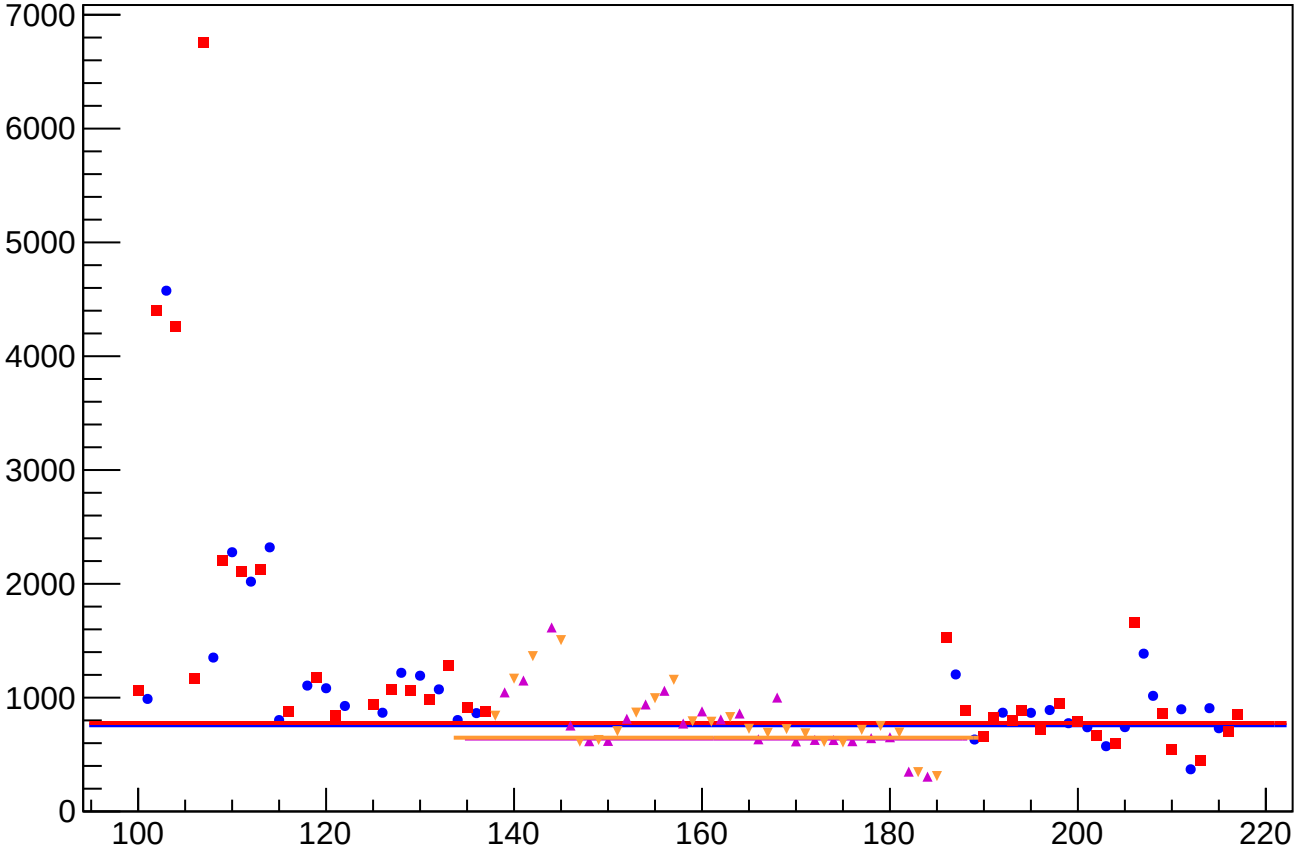
Right: -164.134+/-132.805 χ^2/NDF: 118.0/65

In: 280.066+/-121.551 χ^2/NDF:57.0/53

Out: -196.155+/-121.914 χ^2/NDF:108.4/58

All: 42.666+/-86.077 χ^2/NDF: 173.1/112

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: 777.170+/-0.133 χ^2/NDF: 5896022.4/34

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

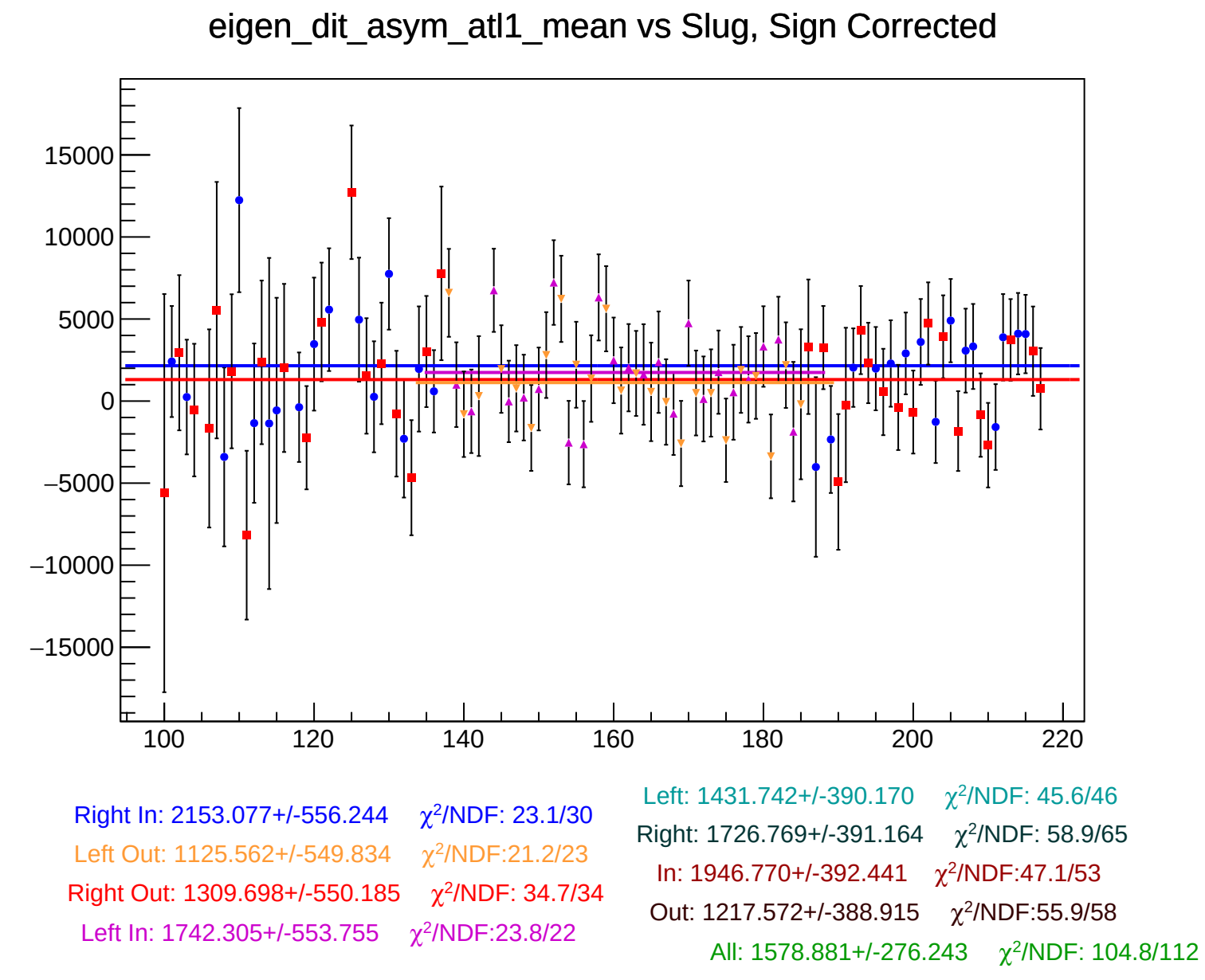
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 767.260+/-0.094 χ^2/NDF: 10987866.1/65

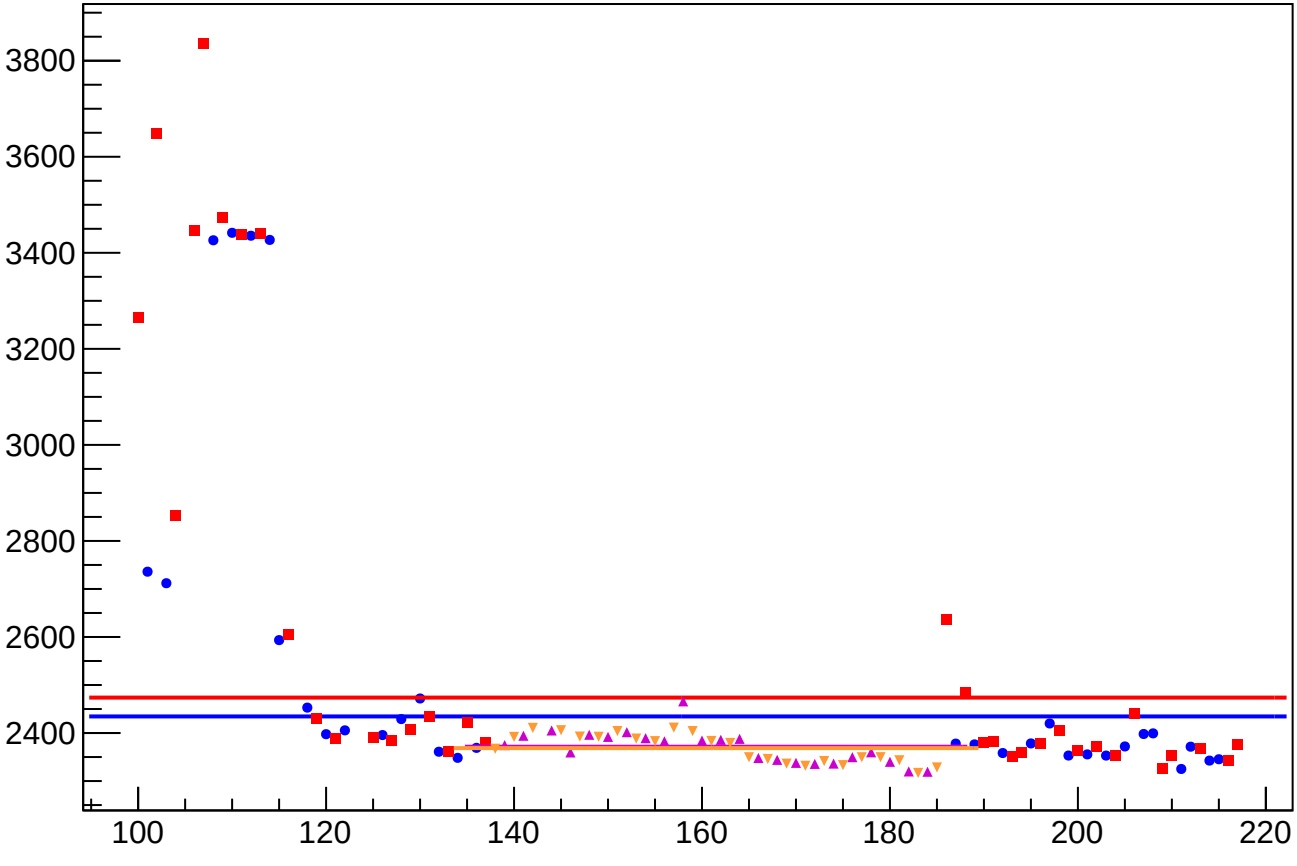
In: 689.620+/-0.086 χ^2/NDF:9661139.0/53

Out: 702.272+/-0.086 χ^2/NDF:10328977.4/58

All: 695.927+/-0.061 χ^2/NDF: 20000919.4/11


eigen_dit_asym_atl1_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 2153.077+/-556.244 χ²/NDF: 23.1/30
Left Out: 1125.562+/-549.834 χ²/NDF:21.2/23
Right Out: 1309.698+/-550.185 χ²/NDF: 34.7/34
Left In: 1742.305+/-553.755 χ²/NDF:23.8/22
Left: 1431.742+/-390.170 χ²/NDF: 45.6/46
Right: 1726.769+/-391.164 χ²/NDF: 58.9/65
In: 1946.770+/-392.441 χ²/NDF:47.1/53
Out: 1217.572+/-388.915 χ²/NDF:55.9/58
All: 1578.881+/-276.243 χ²/NDF: 104.8/112

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2434.559+/-0.393 χ^2/NDF: 290765.9/30

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2473.765+/-0.389 χ^2/NDF: 559555.7/34

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

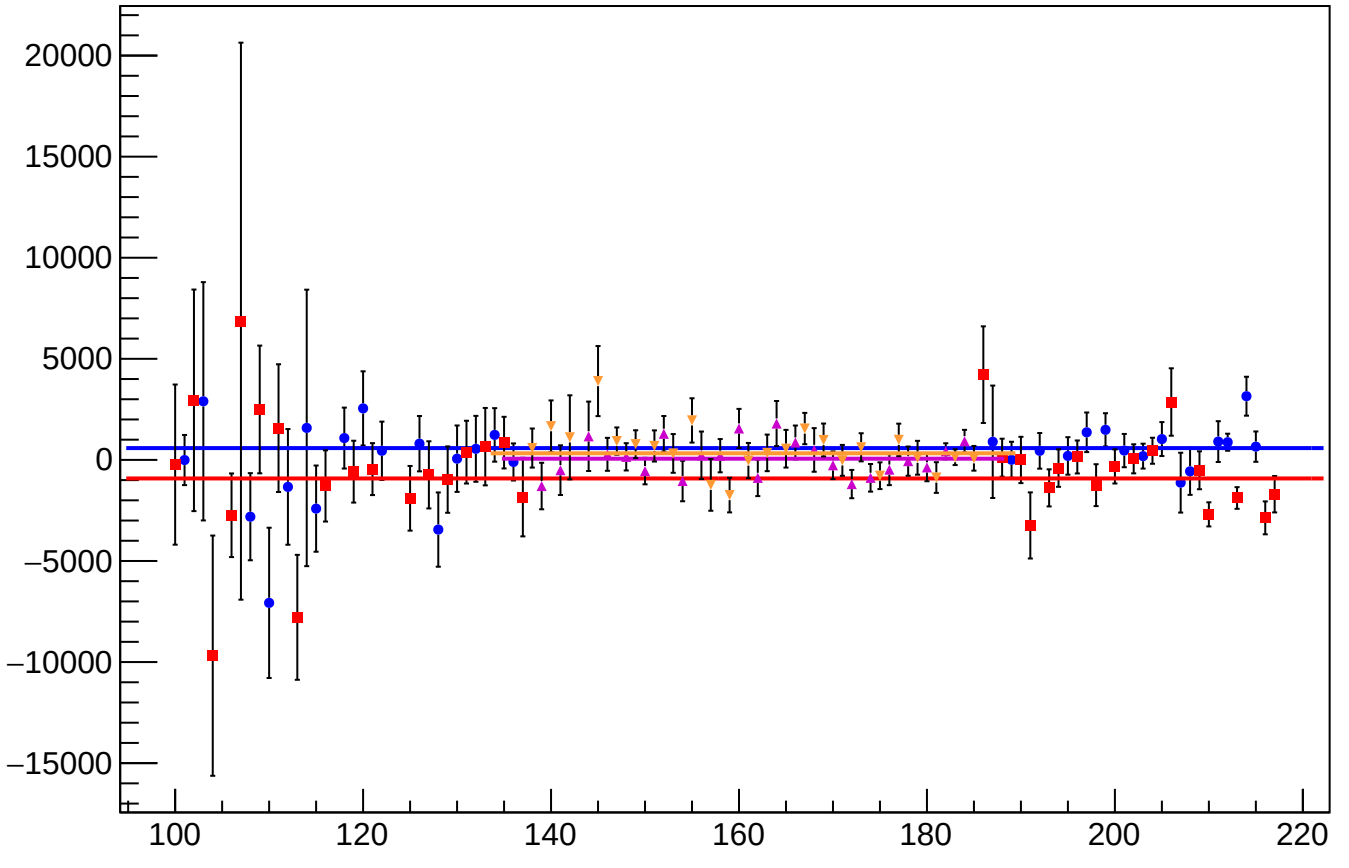
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2454.377+/-0.277 χ^2/NDF: 855344.1/65

In: 2402.897+/-0.277 χ^2/NDF:310721.4/53

Out: 2421.134+/-0.275 χ^2/NDF:601708.6/58

All: 2412.098+/-0.195 χ^2/NDF: 914608.9/112



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: -918.013+/-188.181 χ^2/NDF: 56.3/34

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

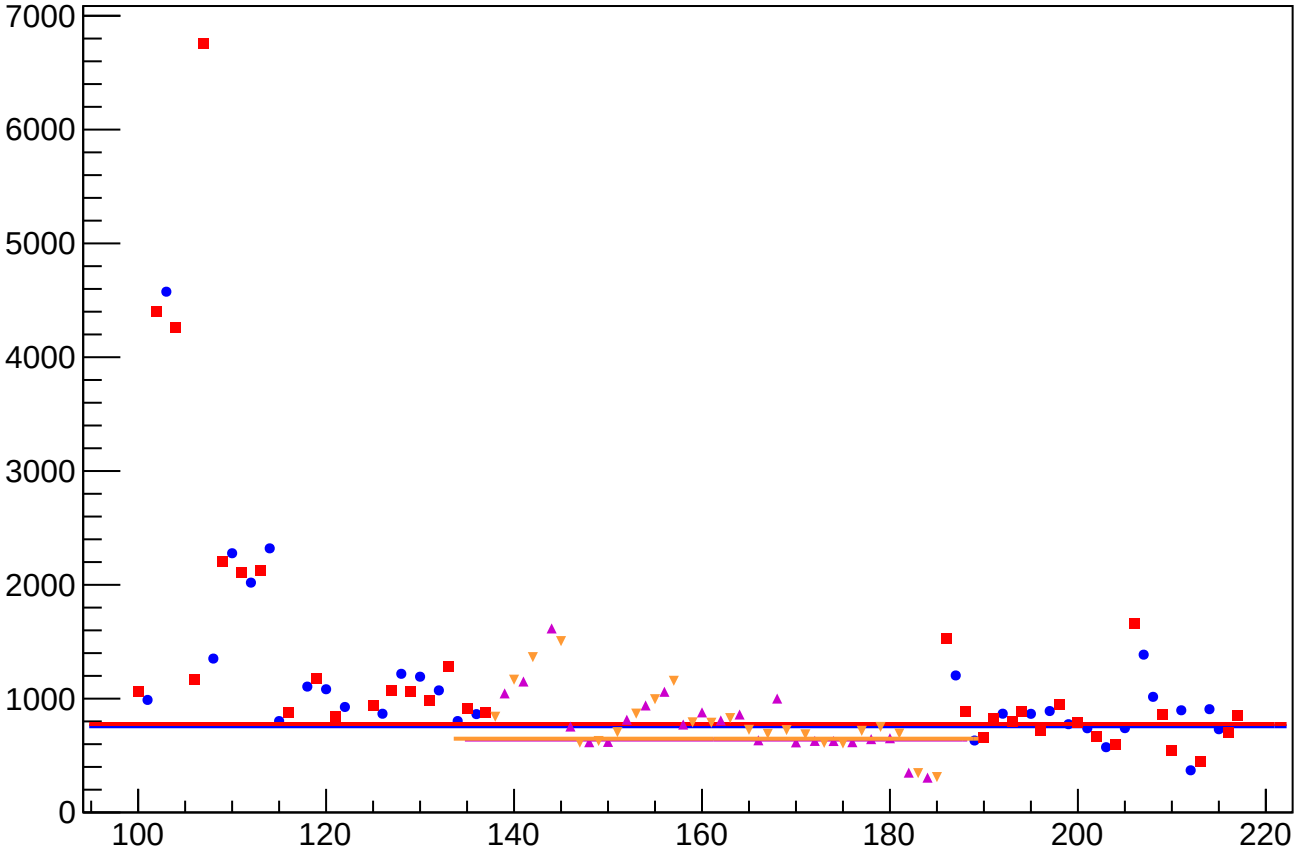
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -164.135+/-132.805 χ^2/NDF: 118.0/65

In: 280.066+/-121.551 χ^2/NDF:57.0/53

Out: -196.156+/-121.914 χ^2/NDF:108.4/58

All: 42.666+/-86.077 χ^2/NDF: 173.1/112



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: 777.169+/-0.133 χ^2/NDF: 5896032.0/34

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

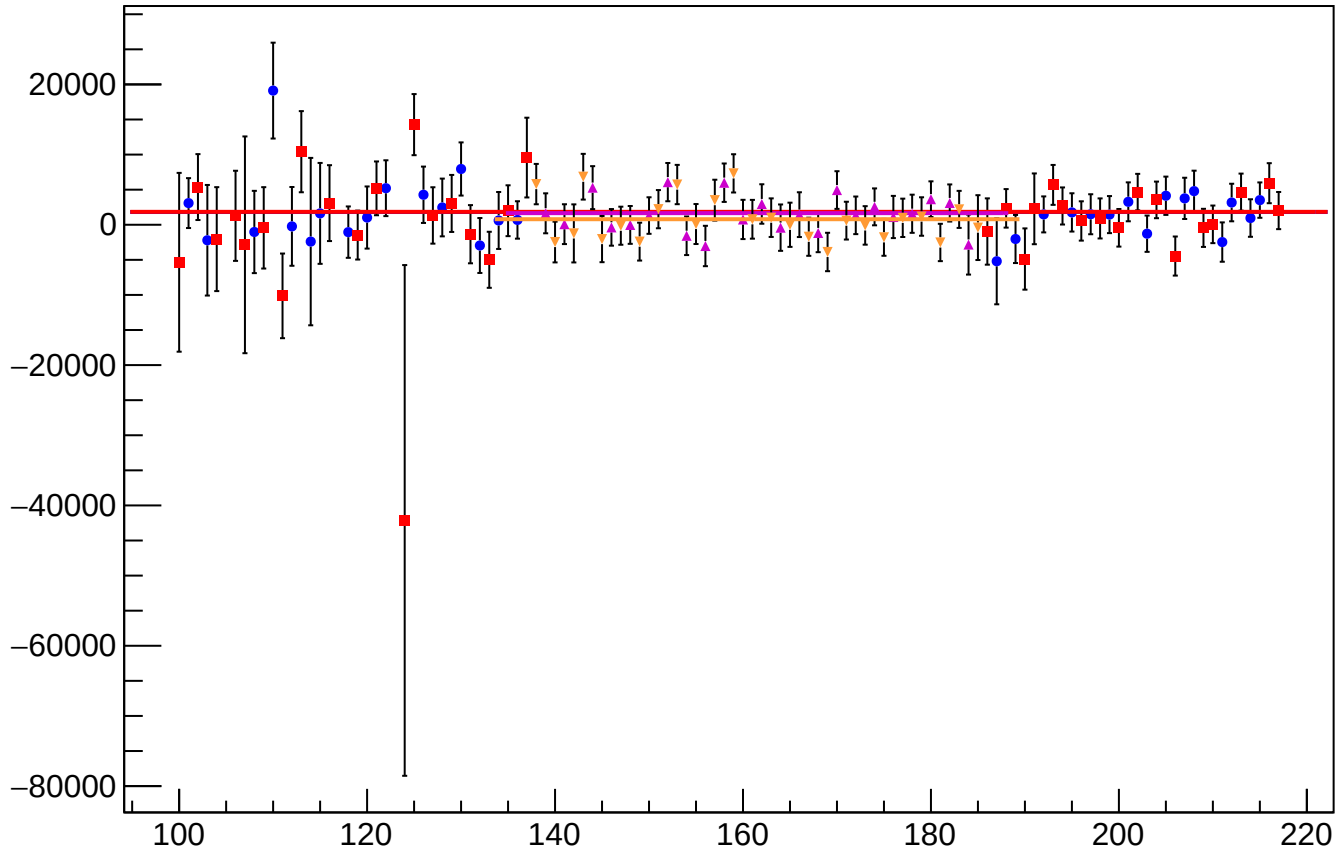
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 767.259+/-0.094 χ^2/NDF: 10987883.2/65

In: 689.620+/-0.086 χ^2/NDF:9661148.6/53

Out: 702.273+/-0.086 χ^2/NDF:10328985.3/58

All: 695.928+/-0.061 χ^2/NDF: 20000937.2/11



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: 1840.678+/-596.819 χ^2/NDF: 41.1/35

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

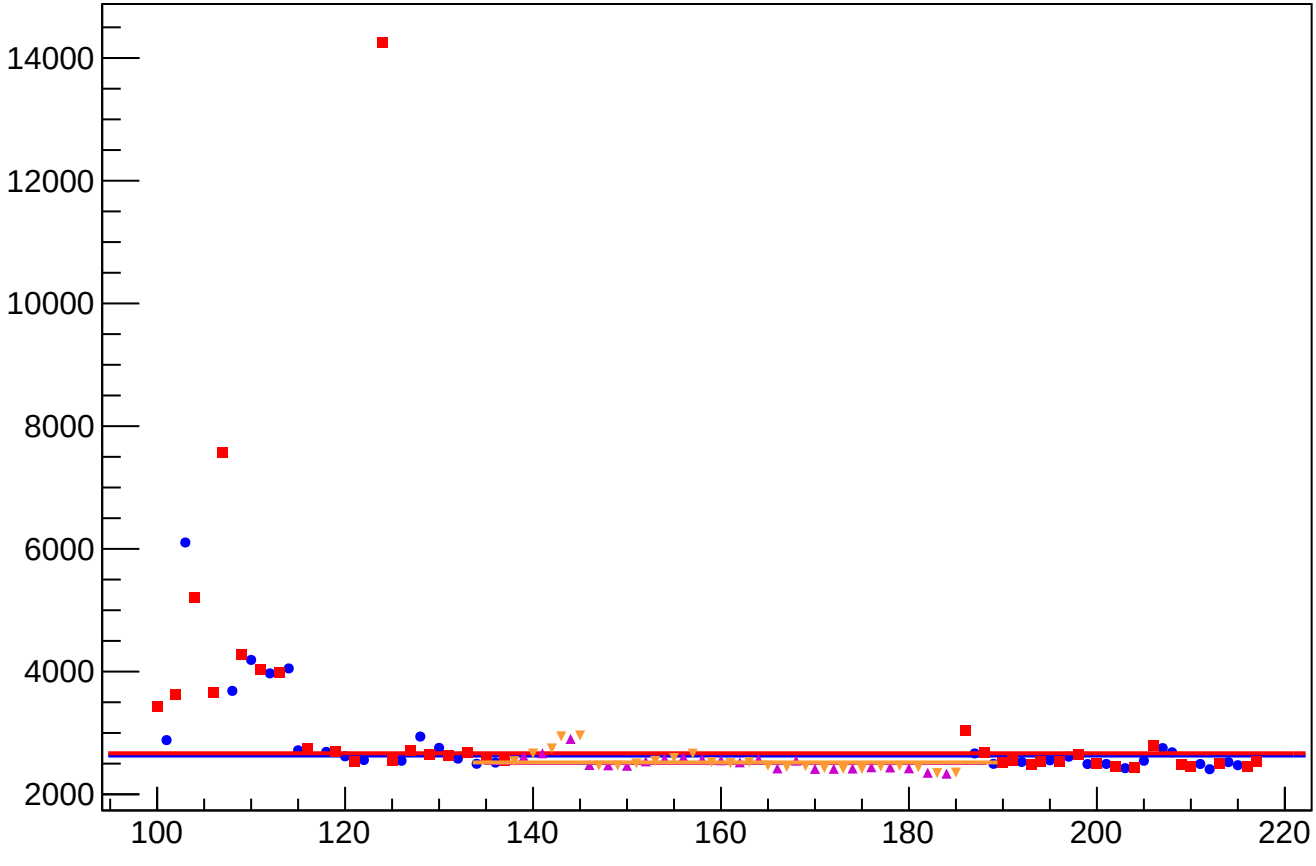
Right: 1828.595+/-425.109 χ^2/NDF: 64.3/66

In: 1732.829+/-421.430 χ^2/NDF:40.5/53

Out: 1294.946+/-413.436 χ^2/NDF:69.9/60

All: 1509.695+/-295.129 χ^2/NDF: 110.9/114

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: 2668.845+/-0.422 χ^2/NDF: 1266177.3/35

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

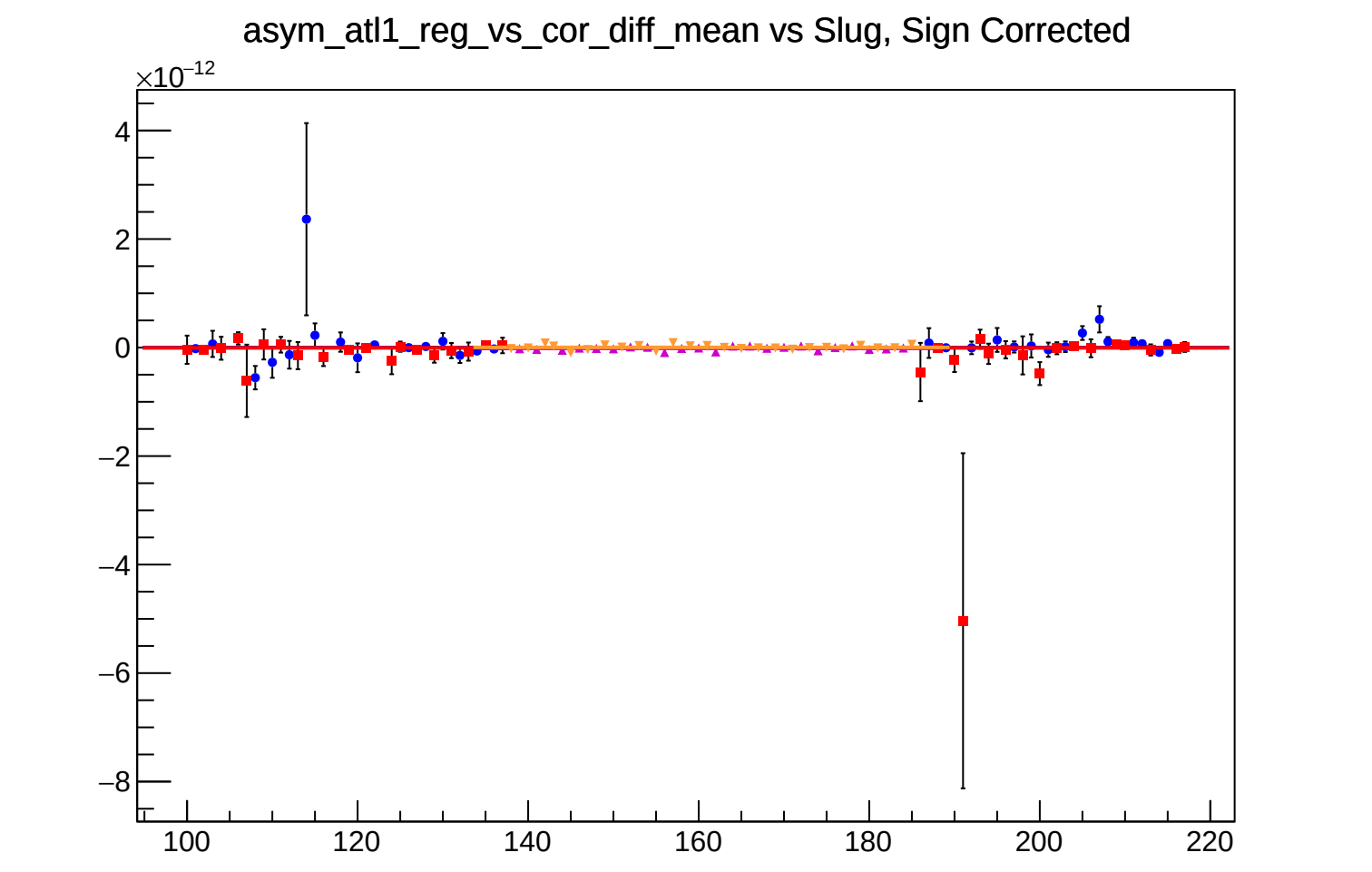
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2650.635+/-0.301 χ^2/NDF: 2068121.9/66

In: 2569.089+/-0.298 χ^2/NDF:913607.9/53

Out: 2591.176+/-0.292 χ^2/NDF:1446505.8/60

All: 2580.344+/-0.209 χ^2/NDF: 2362912.9/11



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: 20.9/35

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

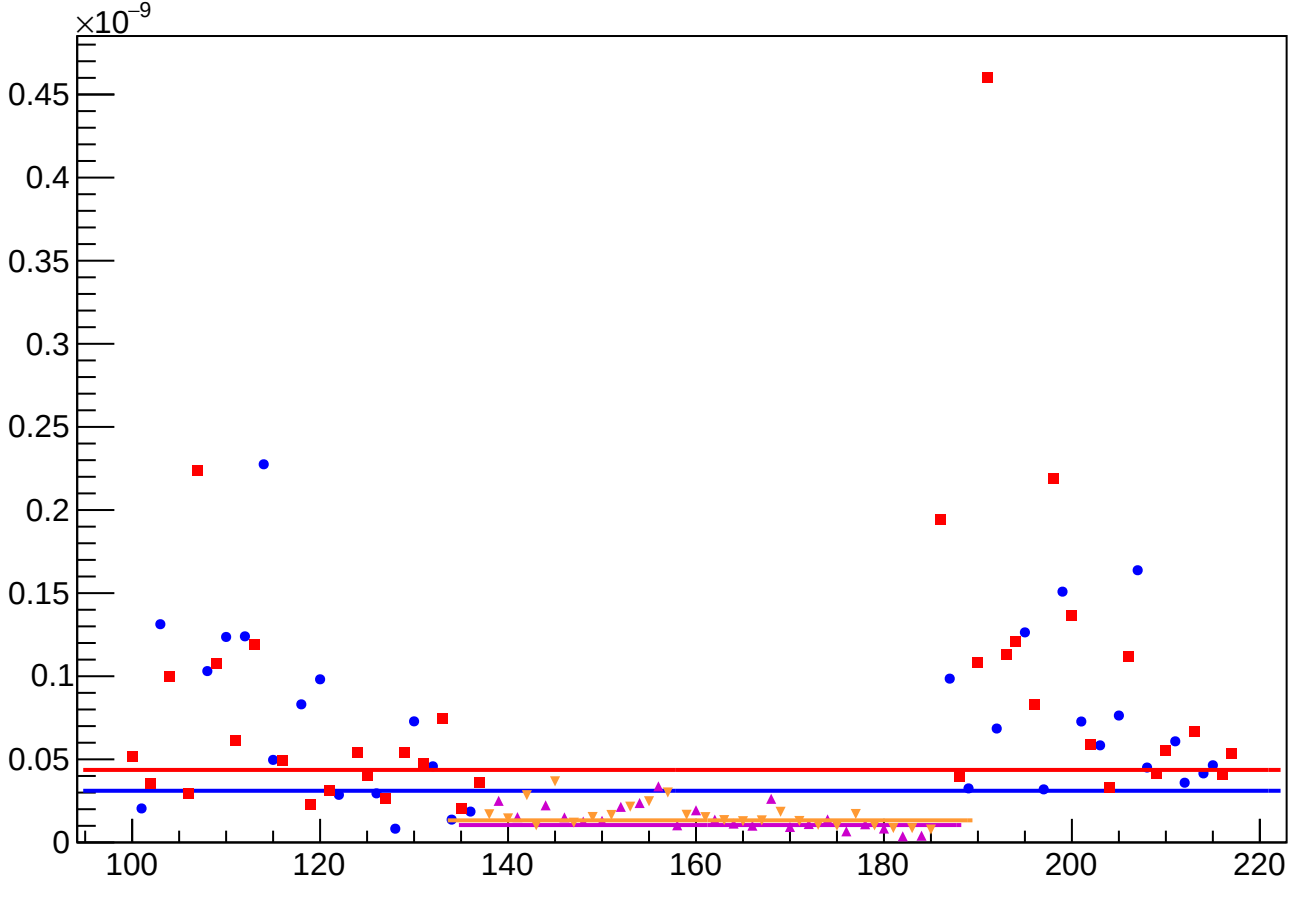
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.9/66

In: -0.000+/-0.000 χ^2/NDF:65.9/53

Out: 0.000+/-0.000 χ^2/NDF:50.0/60

All: -0.000+/-0.000 χ^2/NDF: 120.1/114



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: 4132259.7/35

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

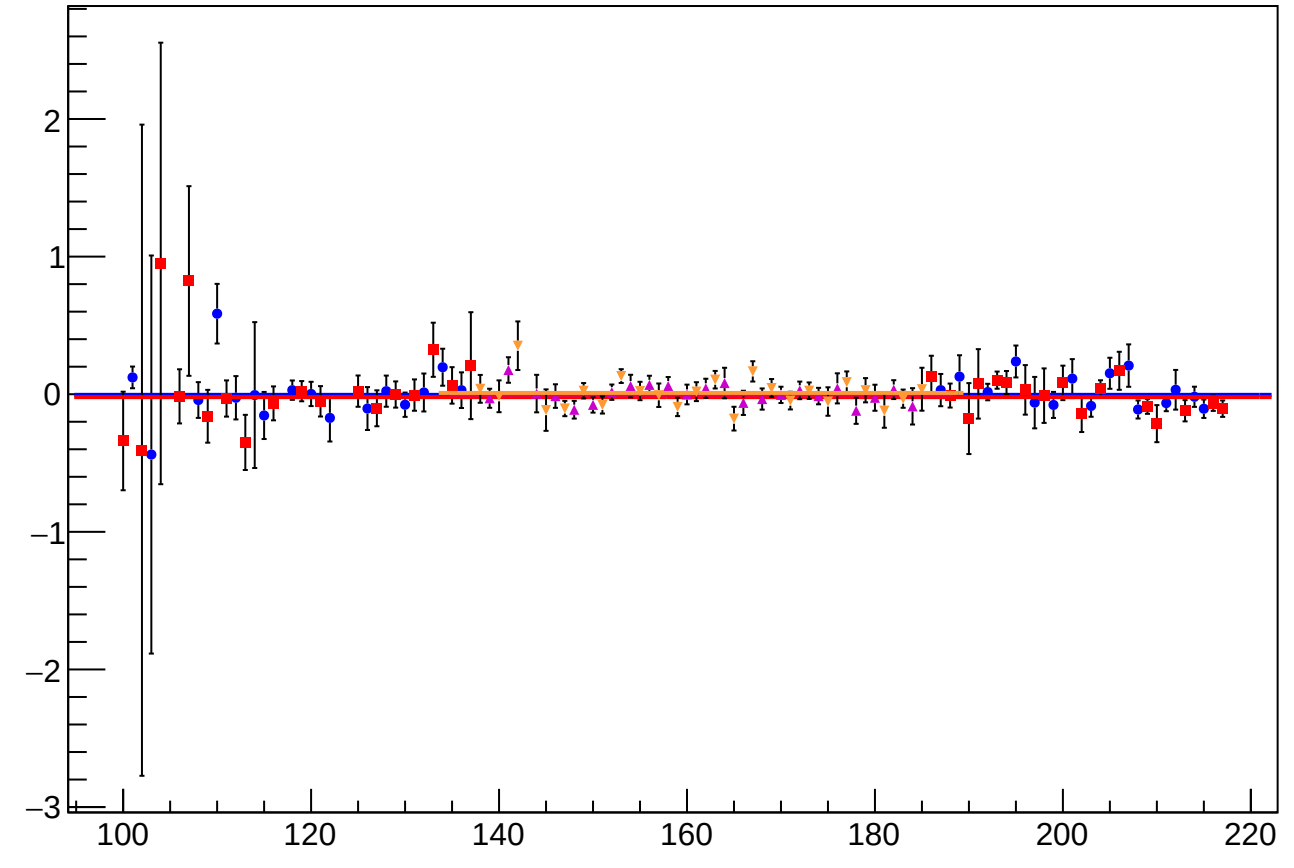
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10606701.1/66

In: 0.000+/-0.000 χ^2/NDF:12457703.5/53

Out: 0.000+/-0.000 χ^2/NDF:11109086.2/60

All: 0.000+/-0.000 χ^2/NDF: 24019735.0/114



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: -0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

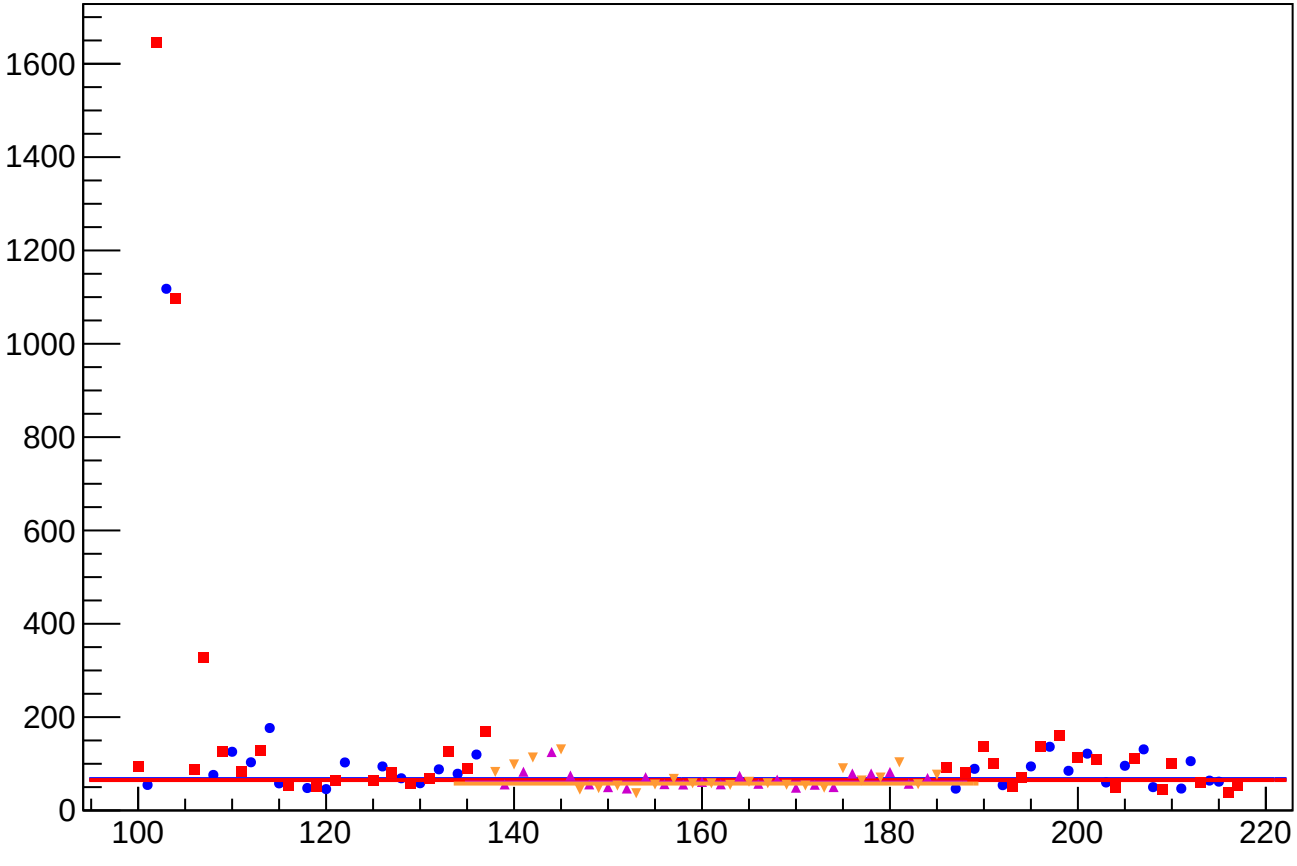
Right: -0.013+/-0.013 χ^2/NDF: 63.9/65

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: -0.003+/-0.012 χ^2/NDF:66.7/58

All: -0.003+/-0.008 χ^2/NDF: 115.5/112

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: 65.117+/-0.013 χ^2/NDF: 6097331.8/34

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

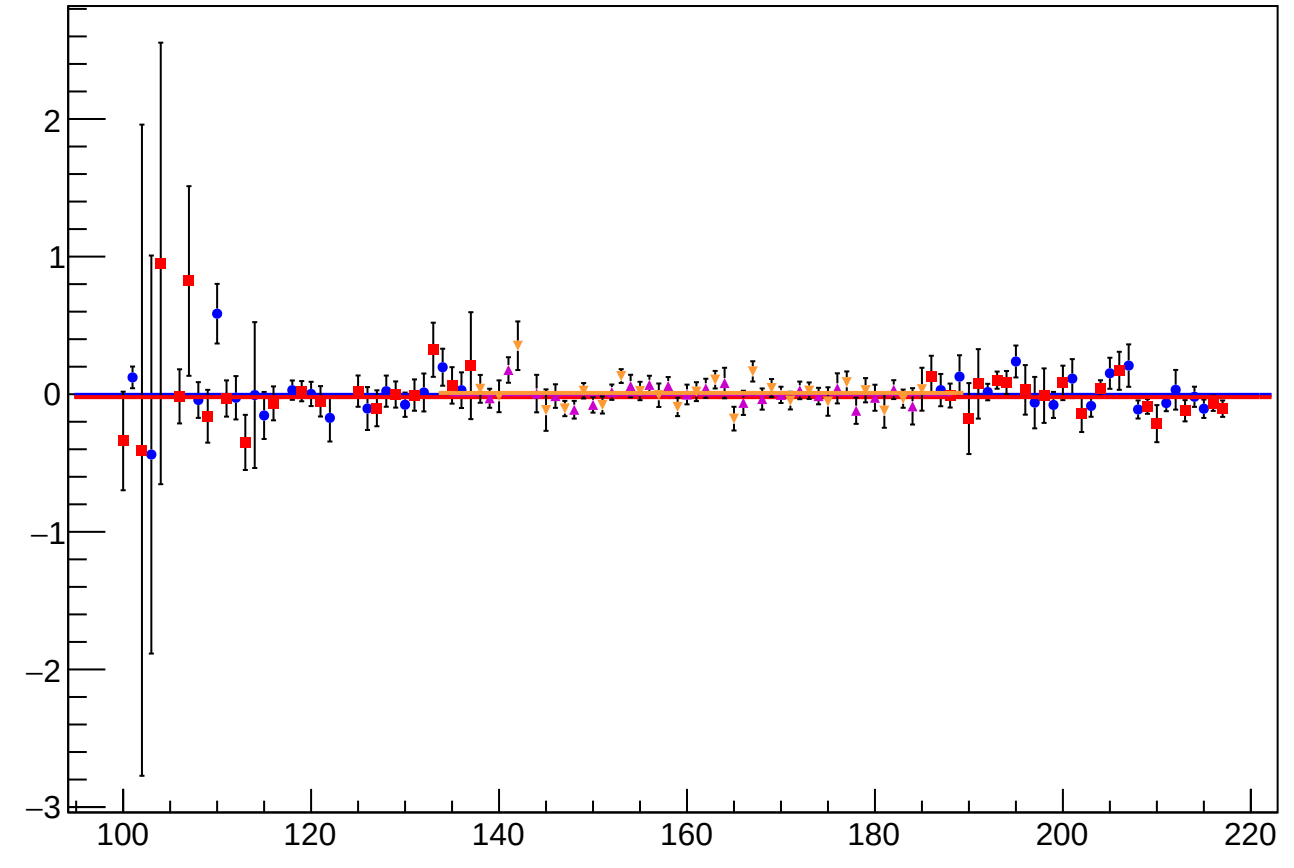
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 66.099+/-0.009 χ^2/NDF: 10360751.8/65

In: 62.894+/-0.008 χ^2/NDF:5778111.5/53

Out: 60.751+/-0.008 χ^2/NDF:8517468.7/58

All: 61.796+/-0.006 χ^2/NDF: 14329360.0/112



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: -0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

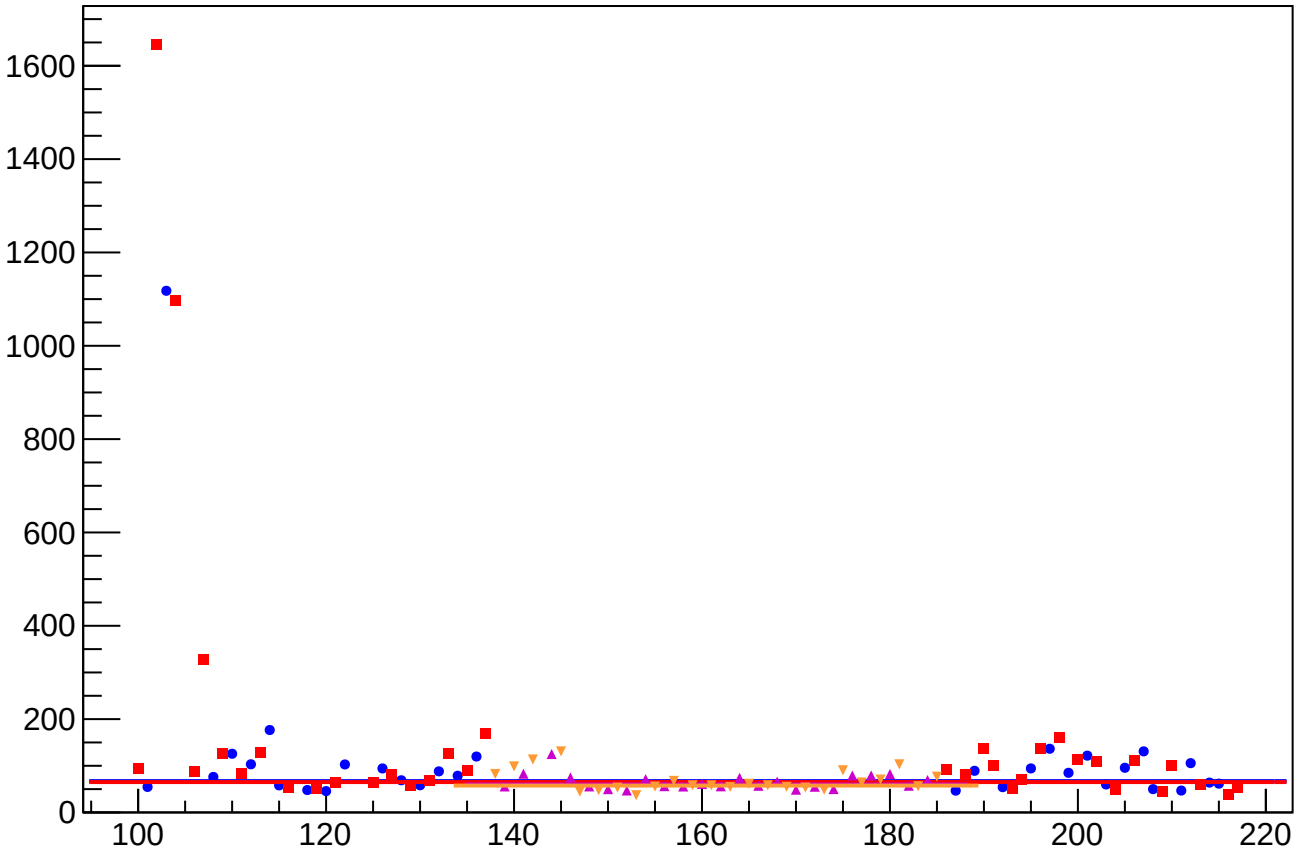
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.013+/-0.013 χ^2/NDF: 63.9/65

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: -0.003+/-0.012 χ^2/NDF:66.7/58

All: -0.003+/-0.008 χ^2/NDF: 115.5/112



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: 65.117+/-0.013 χ^2/NDF: 6097331.8/34

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

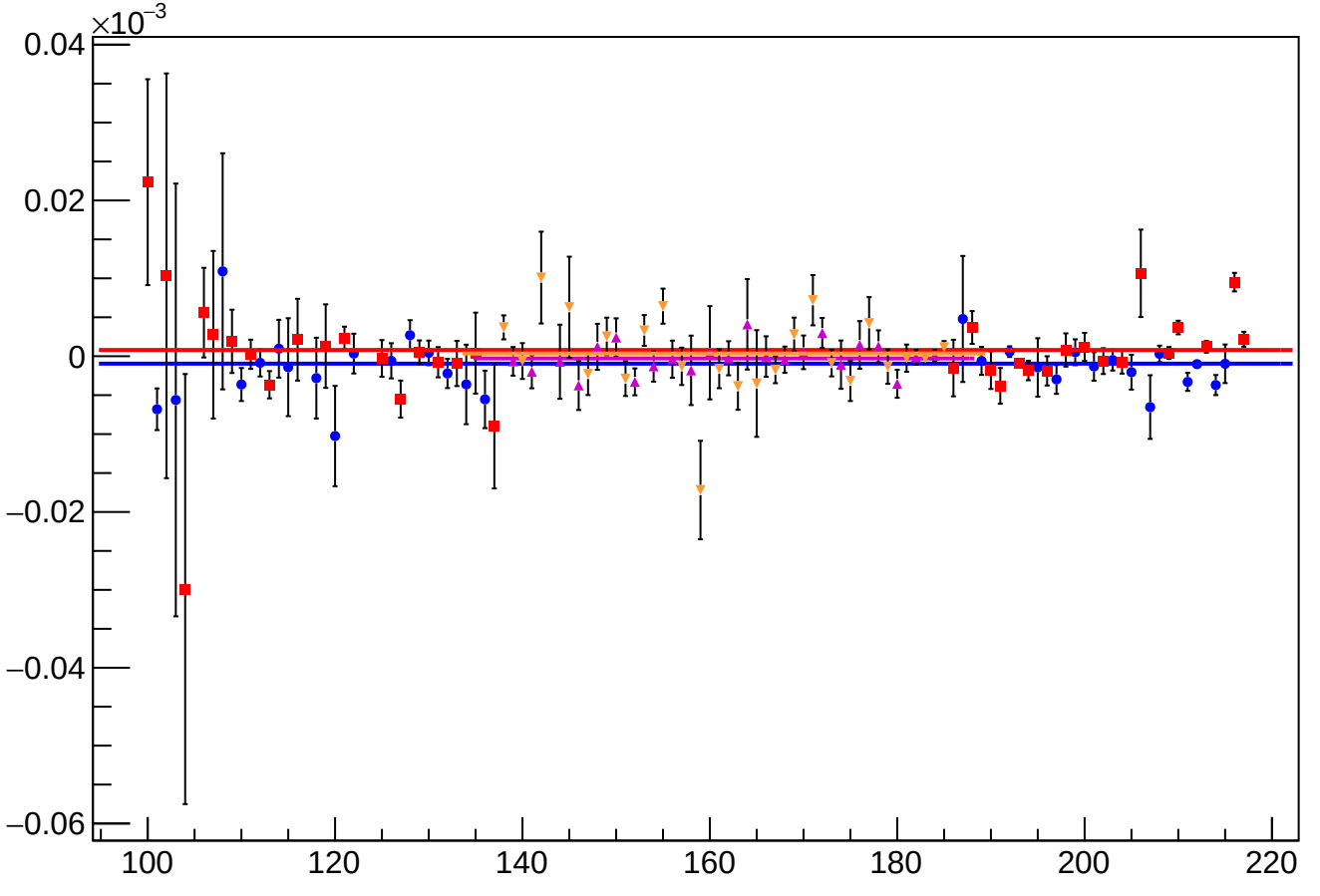
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 66.099+/-0.009 χ^2/NDF: 10360751.8/65

In: 62.894+/-0.008 χ^2/NDF:5778111.5/53

Out: 60.751+/-0.008 χ^2/NDF:8517468.7/58

All: 61.796+/-0.006 χ^2/NDF: 14329360.0/112



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: 116.7/34

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

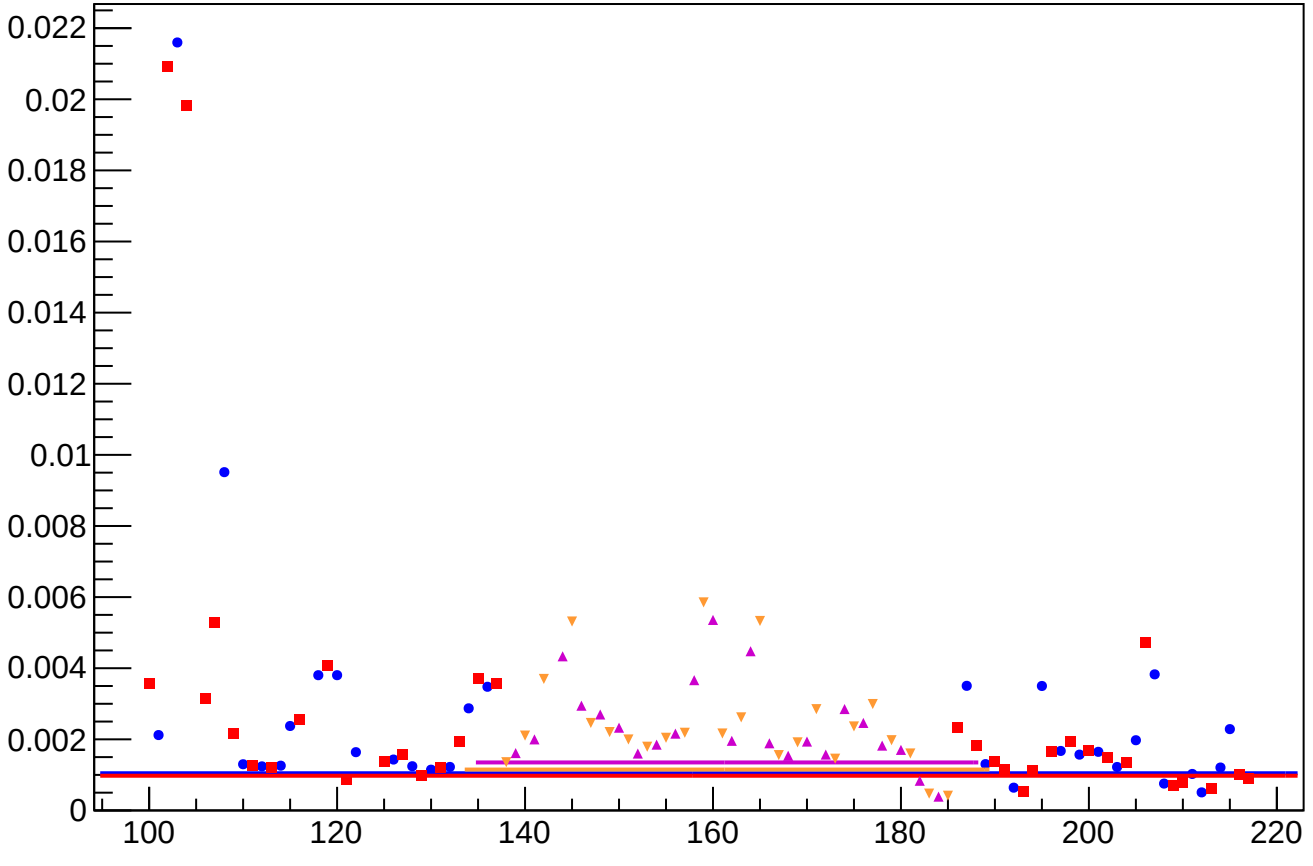
Right: 0.000+/-0.000 χ^2/NDF: 173.3/65

In: -0.000+/-0.000 χ^2/NDF:53.1/53

Out: 0.000+/-0.000 χ^2/NDF:164.6/58

All: 0.000+/-0.000 χ^2/NDF: 236.5/112

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: 9872622.0/34

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

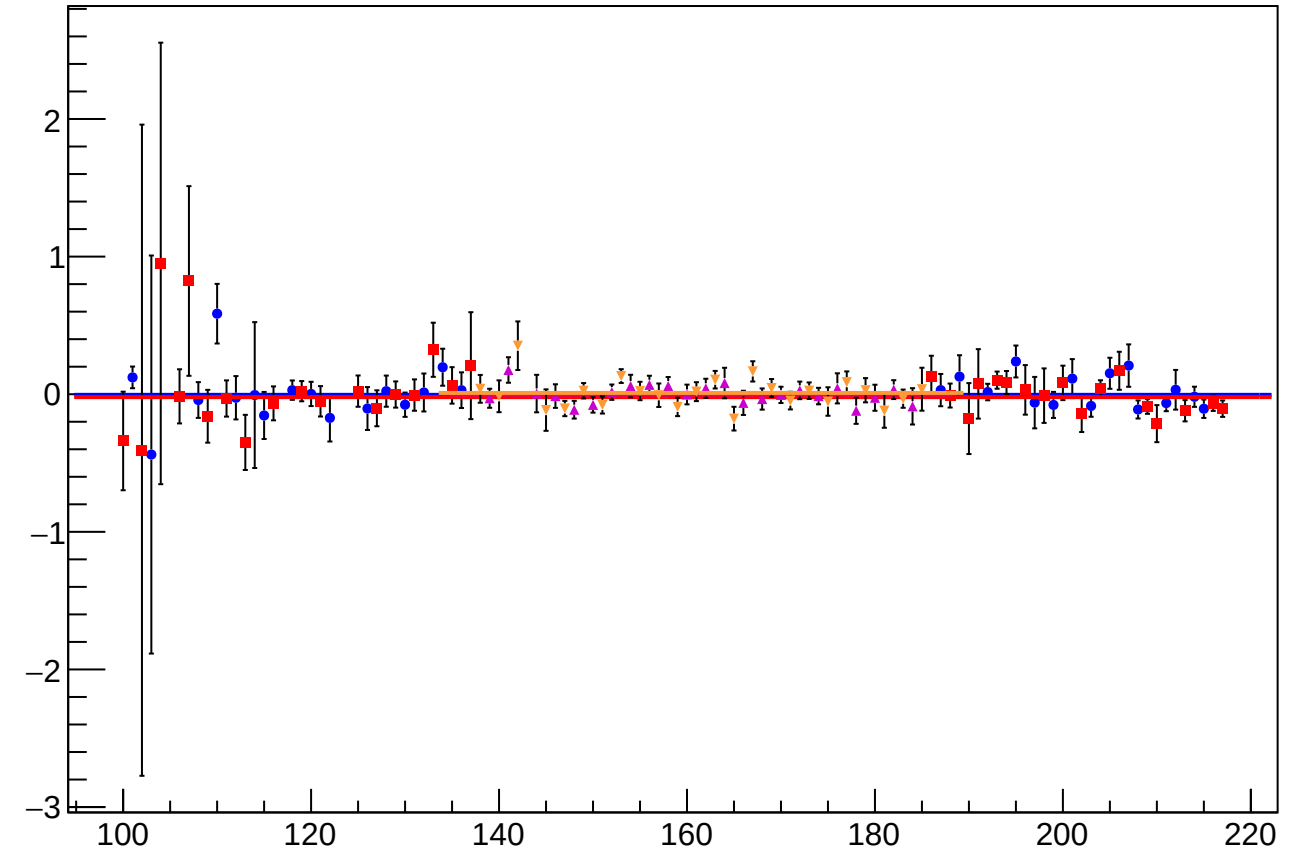
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 20500418.5/65

In: 0.001+/-0.000 χ^2/NDF:21614988.1/53

Out: 0.001+/-0.000 χ^2/NDF:23441817.4/58

All: 0.001+/-0.000 χ^2/NDF: 45341593.7/112



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: -0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

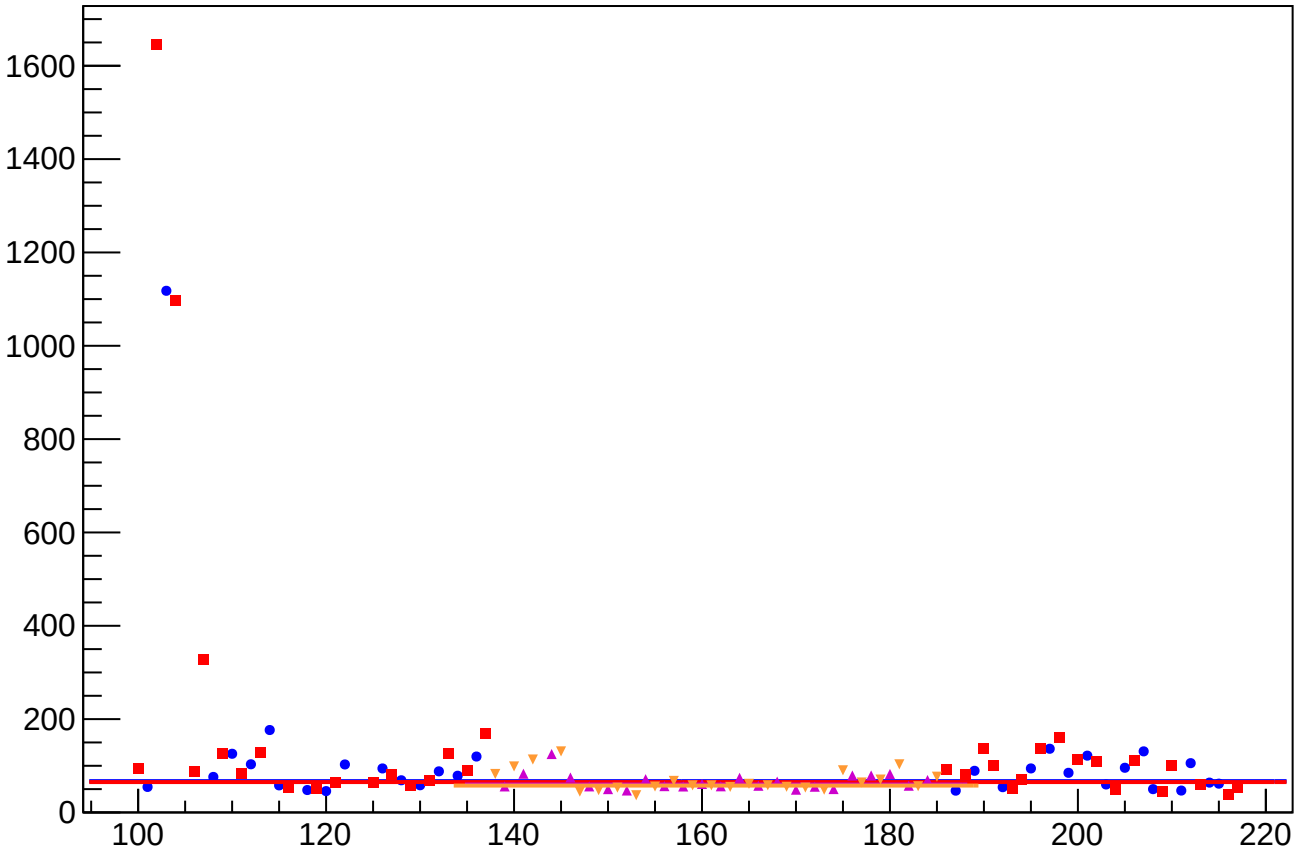
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.013+/-0.013 χ^2/NDF: 63.9/65

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: -0.003+/-0.012 χ^2/NDF:66.7/58

All: -0.003+/-0.008 χ^2/NDF: 115.5/112



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: 65.117+/-0.013 χ^2/NDF: 6097346.5/34

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

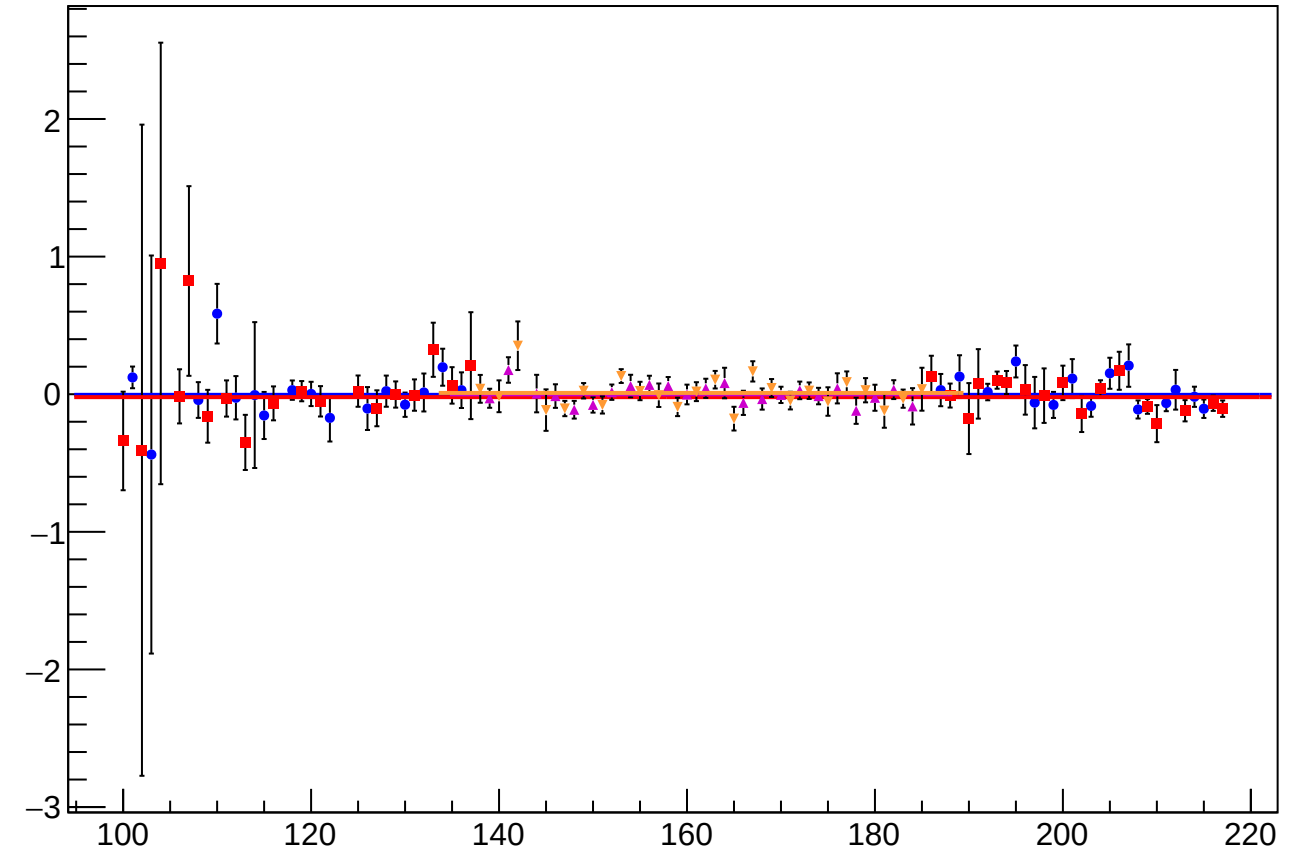
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 66.099+/-0.009 χ^2/NDF: 10360900.7/65

In: 62.894+/-0.008 χ^2/NDF:5778207.9/53

Out: 60.751+/-0.008 χ^2/NDF:8517558.3/58

All: 61.797+/-0.006 χ^2/NDF: 14329544.0/112



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: -0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

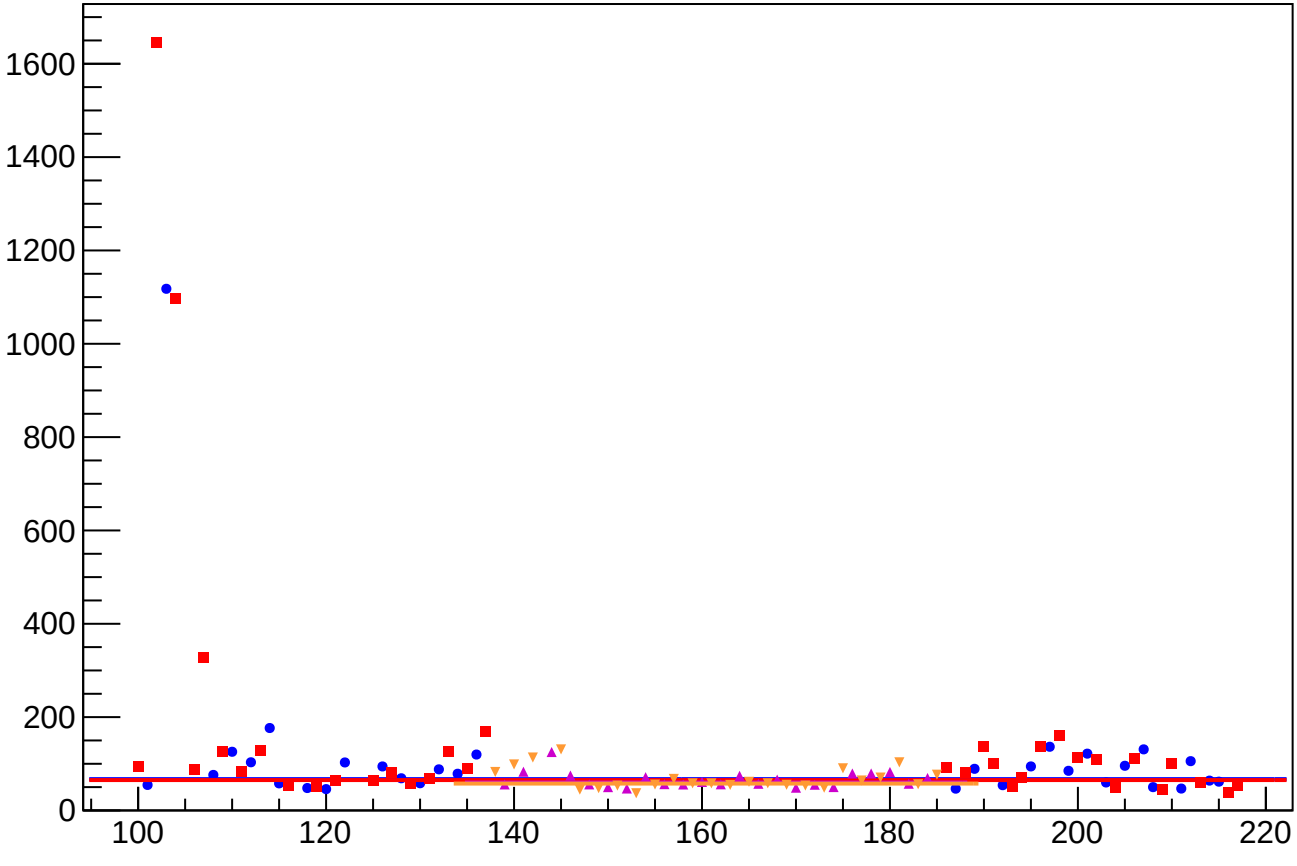
Right: -0.013+/-0.013 χ^2/NDF: 63.9/65

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: -0.003+/-0.012 χ^2/NDF:66.7/58

All: -0.003+/-0.008 χ^2/NDF: 115.5/112

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: 65.117+/-0.013 χ^2/NDF: 6097346.5/34

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

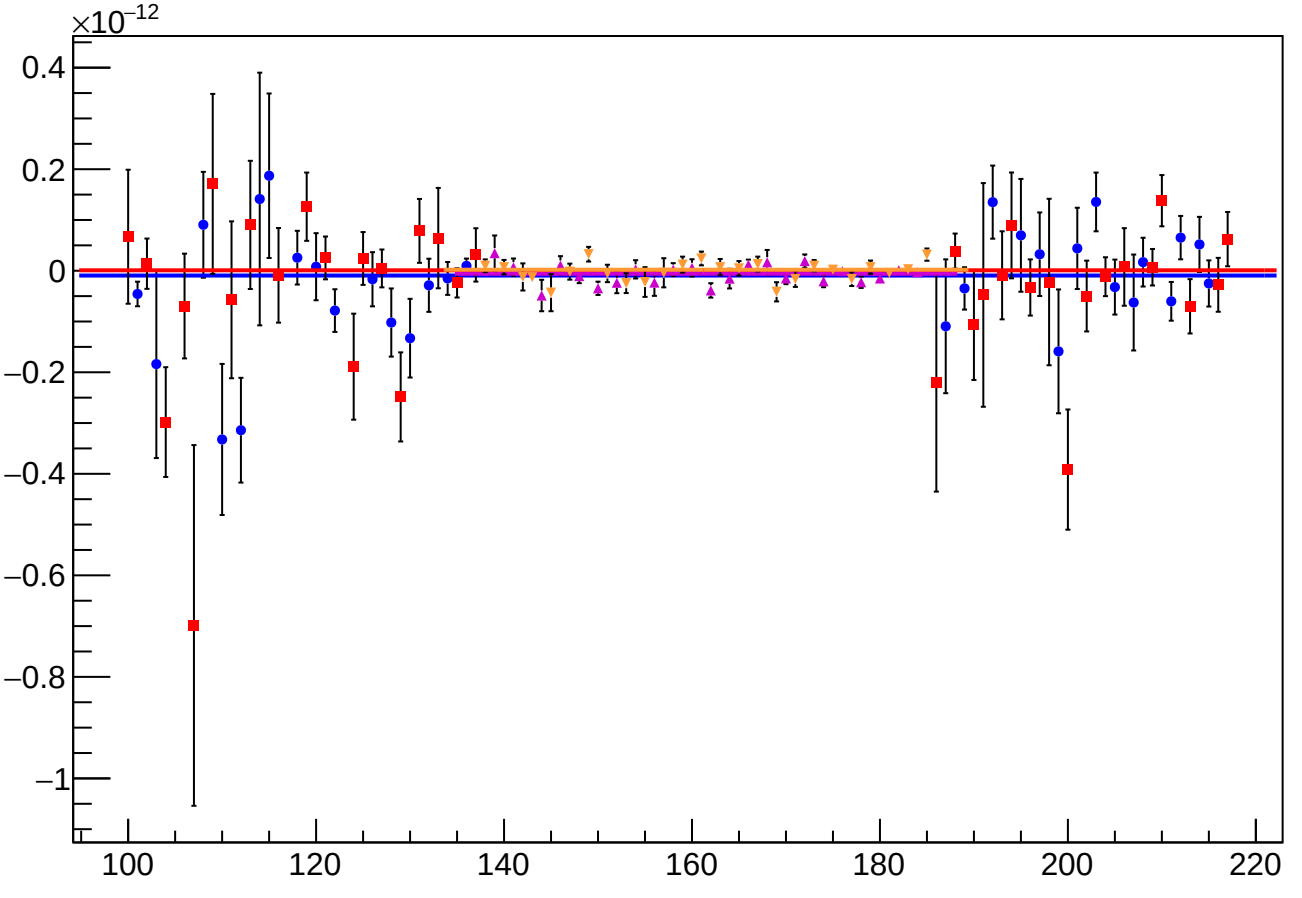
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 66.099+/-0.009 χ^2/NDF: 10360900.7/65

In: 62.894+/-0.008 χ^2/NDF:5778207.9/53

Out: 60.751+/-0.008 χ^2/NDF:8517558.3/58

All: 61.797+/-0.006 χ^2/NDF: 14329544.0/112



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: 59.1/35

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

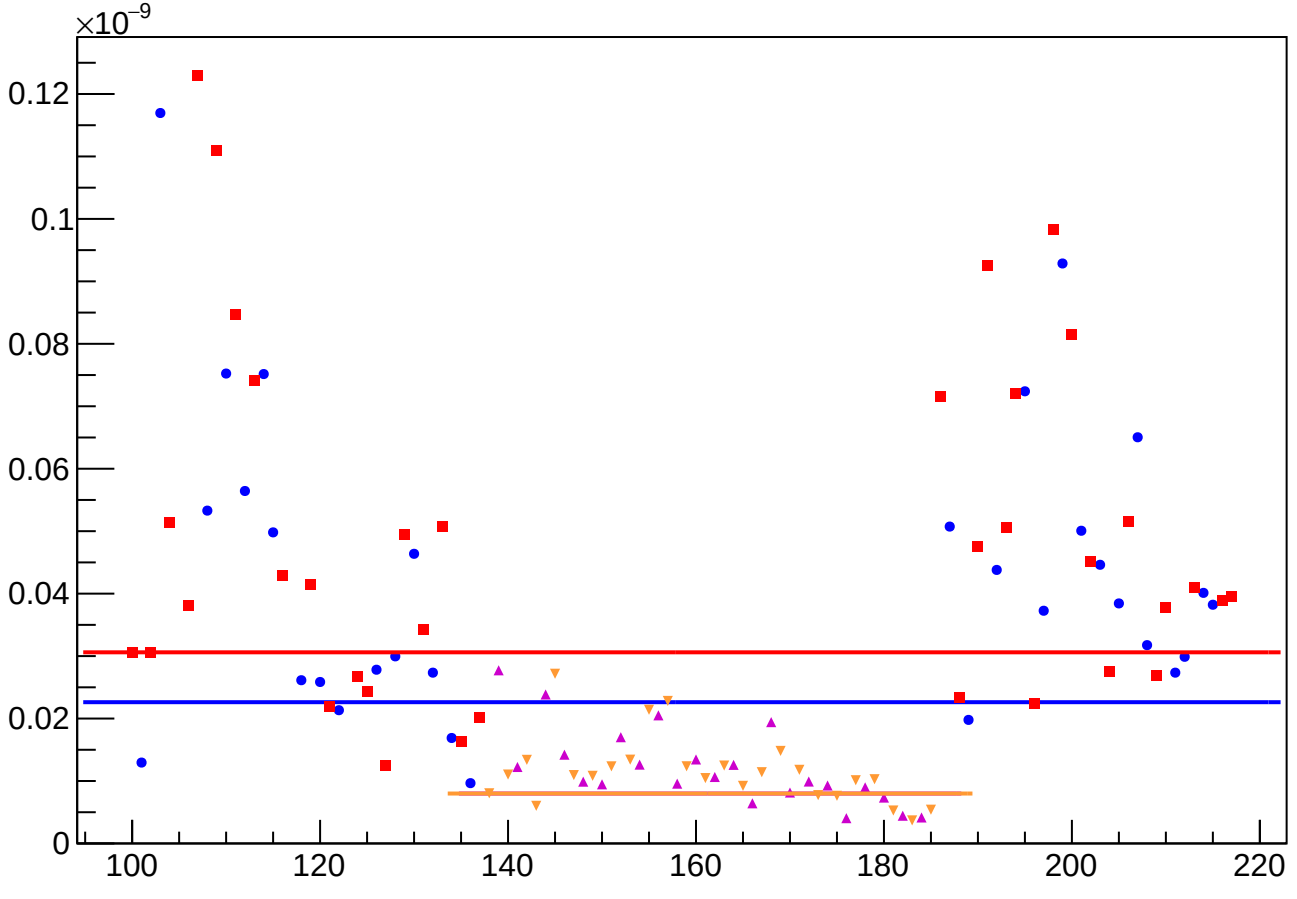
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 109.6/66

In: -0.000+/-0.000 χ^2/NDF:82.6/53

Out: 0.000+/-0.000 χ^2/NDF:91.0/60

All: -0.000+/-0.000 χ^2/NDF: 179.3/114



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: 4574767.9/35

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

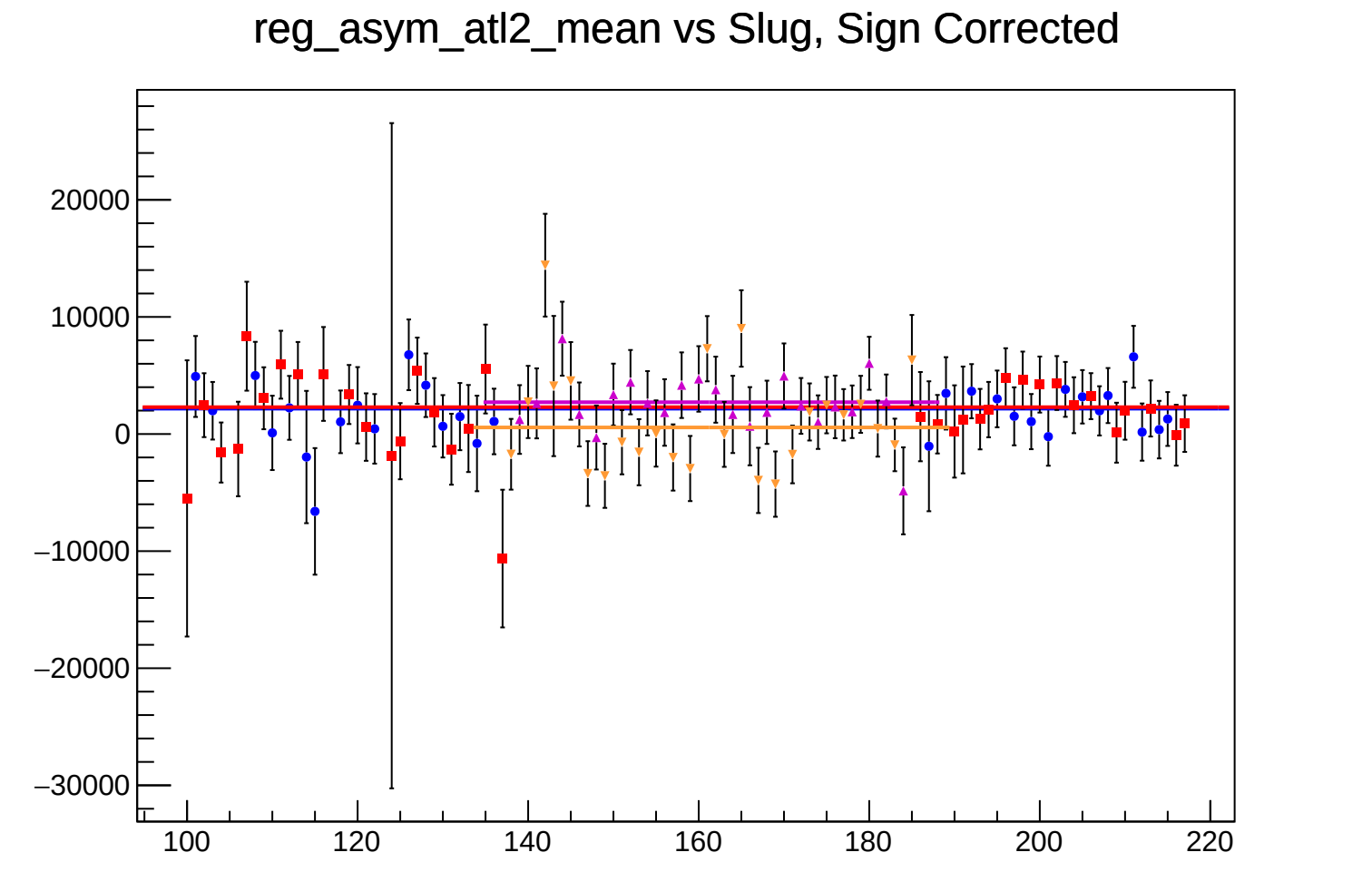
Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11984333.4/66

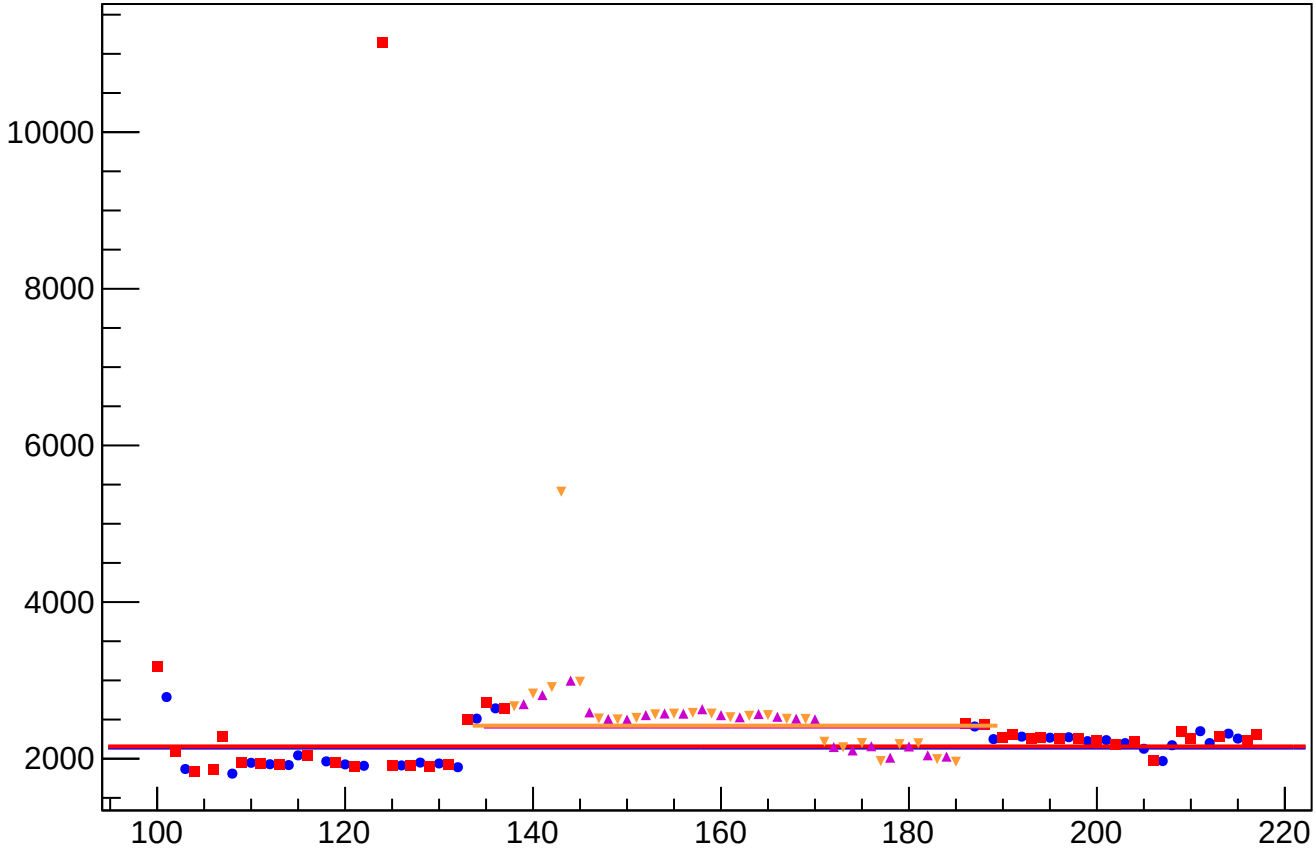
In: 0.000+/-0.000 χ^2/NDF:17539574.1/53

Out: 0.000+/-0.000 χ^2/NDF:18948209.0/60

All: 0.000+/-0.000 χ^2/NDF: 36487821.4/114


reg_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 2167.449+/-490.422 χ²/NDF: 17.0/30
Left Out: 562.390+/-557.316 χ²/NDF:43.9/24
Right Out: 2293.553+/-479.169 χ²/NDF: 24.6/35
Left In: 2716.200+/-566.202 χ²/NDF:14.3/22
Left: 1622.262+/-397.186 χ²/NDF: 65.6/47
Right: 2231.965+/-342.733 χ²/NDF: 41.6/66
In: 2402.671+/-370.700 χ²/NDF:31.8/53
Out: 1557.757+/-363.338 χ²/NDF:74.1/60
All: 1971.742+/-259.482 χ²/NDF: 108.5/114

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: 2156.960+/-0.339 χ^2/NDF: 561522.2/35

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

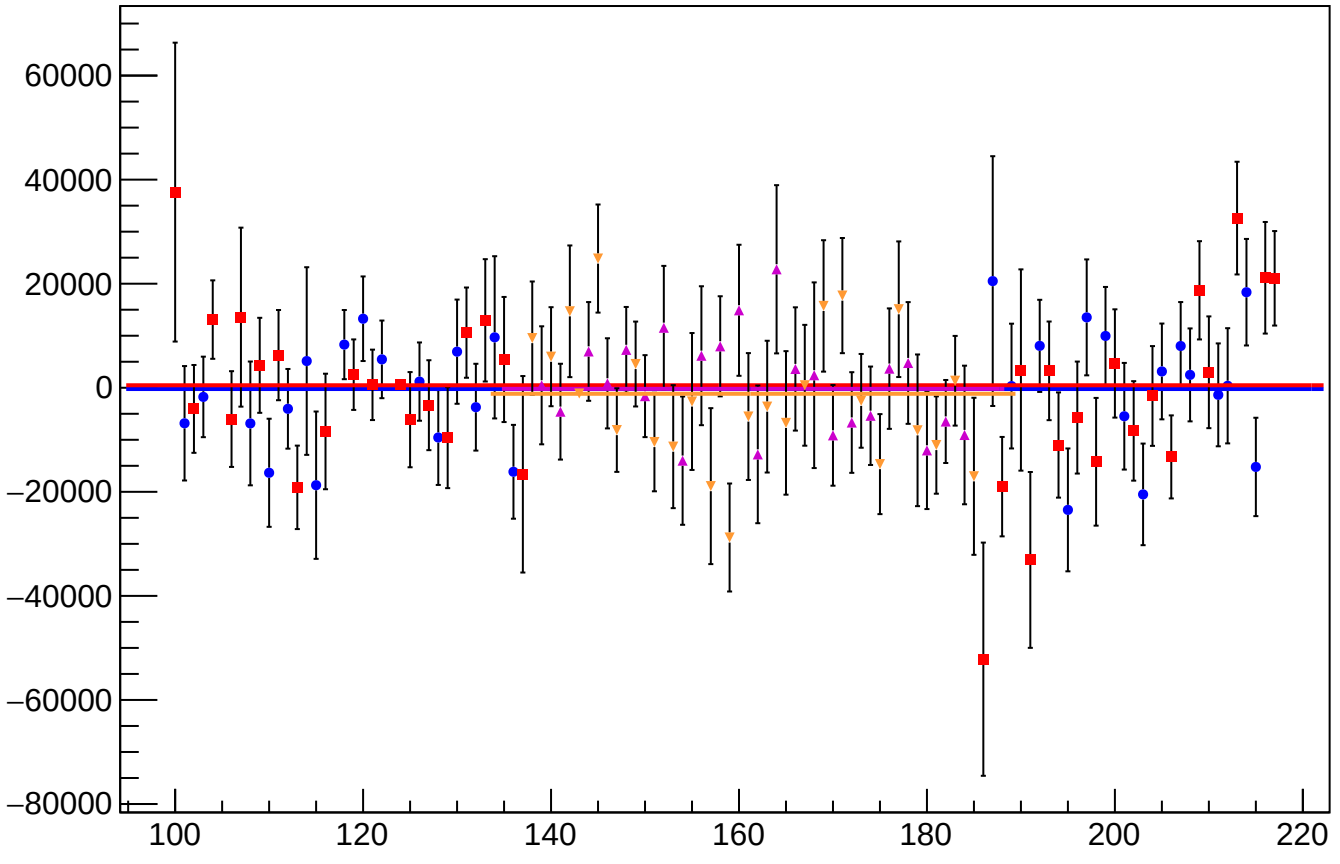
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2149.628+/-0.242 χ^2/NDF: 940379.7/66

In: 2256.771+/-0.262 χ^2/NDF:1062028.7/53

Out: 2269.674+/-0.257 χ^2/NDF:1774750.9/60

All: 2263.352+/-0.183 χ^2/NDF: 2838015.5/11



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: 480.926+/-736.119 χ^2/NDF: 60.7/35

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

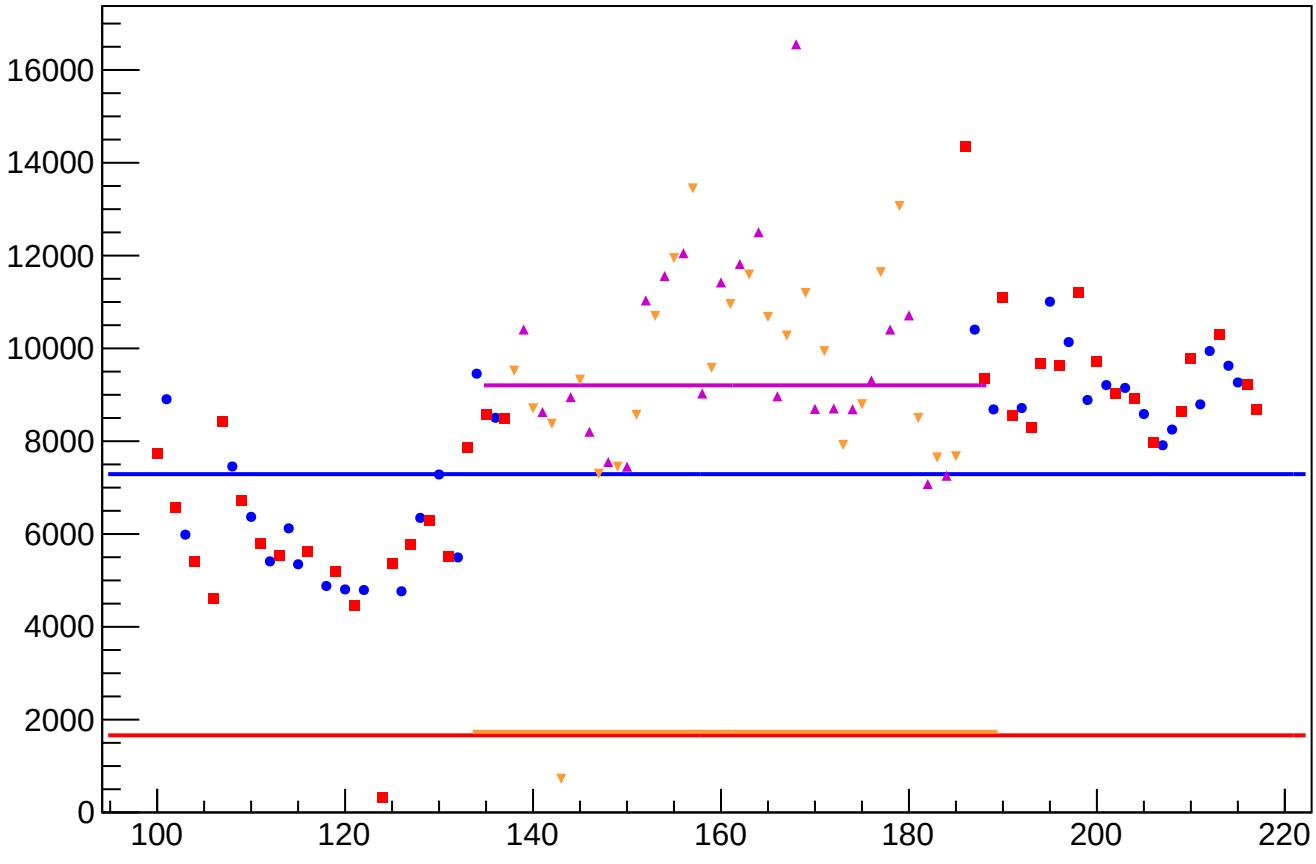
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 368.869+/-676.742 χ^2/NDF: 96.0/66

In: -230.236+/-1353.840 χ^2/NDF:48.6/53

Out: -314.864+/-528.012 χ^2/NDF:95.0/60

All: -303.691+/-491.923 χ^2/NDF: 143.7/114



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: 1661.855+/-0.521 χ^2/NDF: 30744641.1/35

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

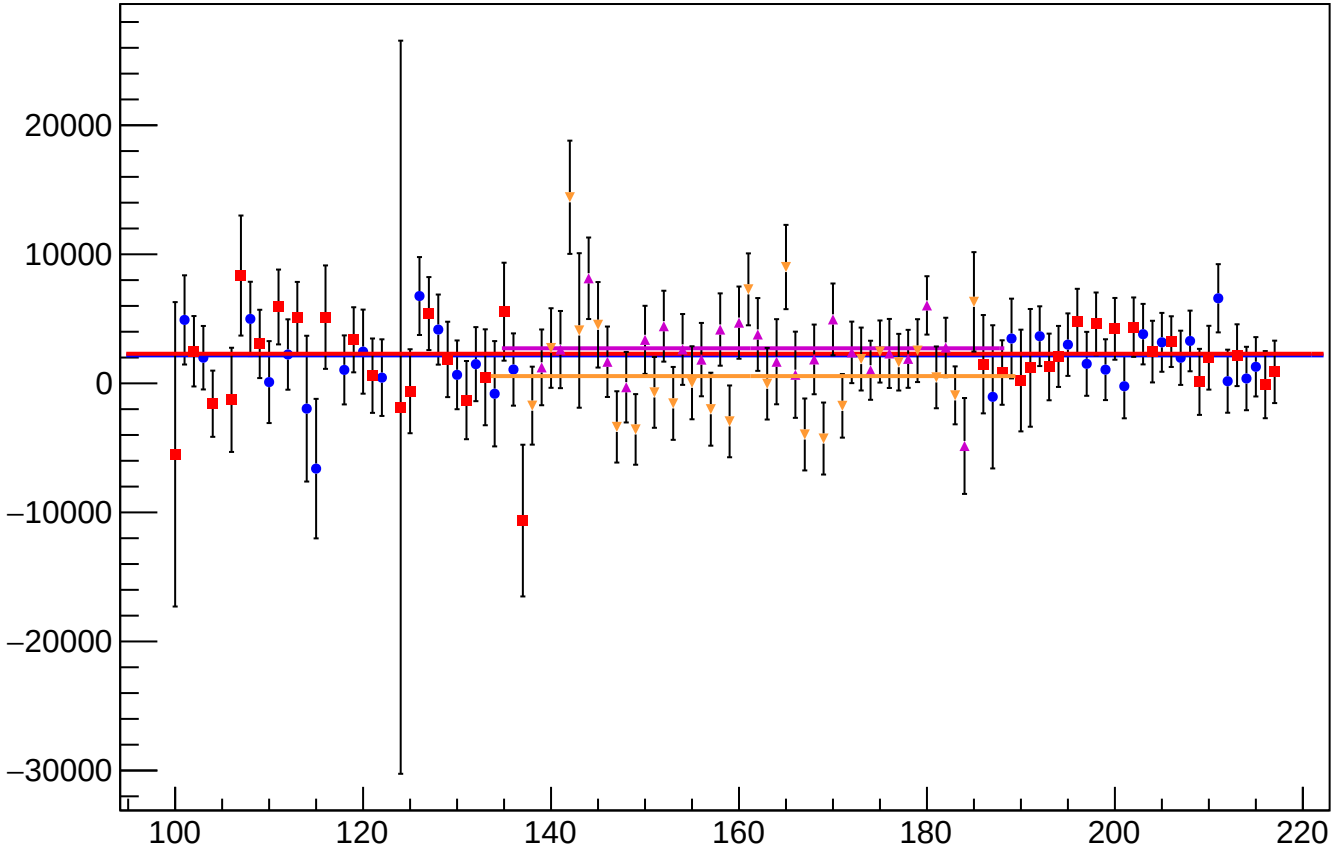
Right: 2533.260+/-0.479 χ^2/NDF: 51285450.0/66

In: 8018.265+/-0.957 χ^2/NDF:4651313.1/53

Out: 1699.644+/-0.373 χ^2/NDF:58489543.6/60

All: 2533.867+/-0.348 χ^2/NDF: 100954301.9

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: 2294.277+/-479.171 χ^2/NDF: 24.6/35

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

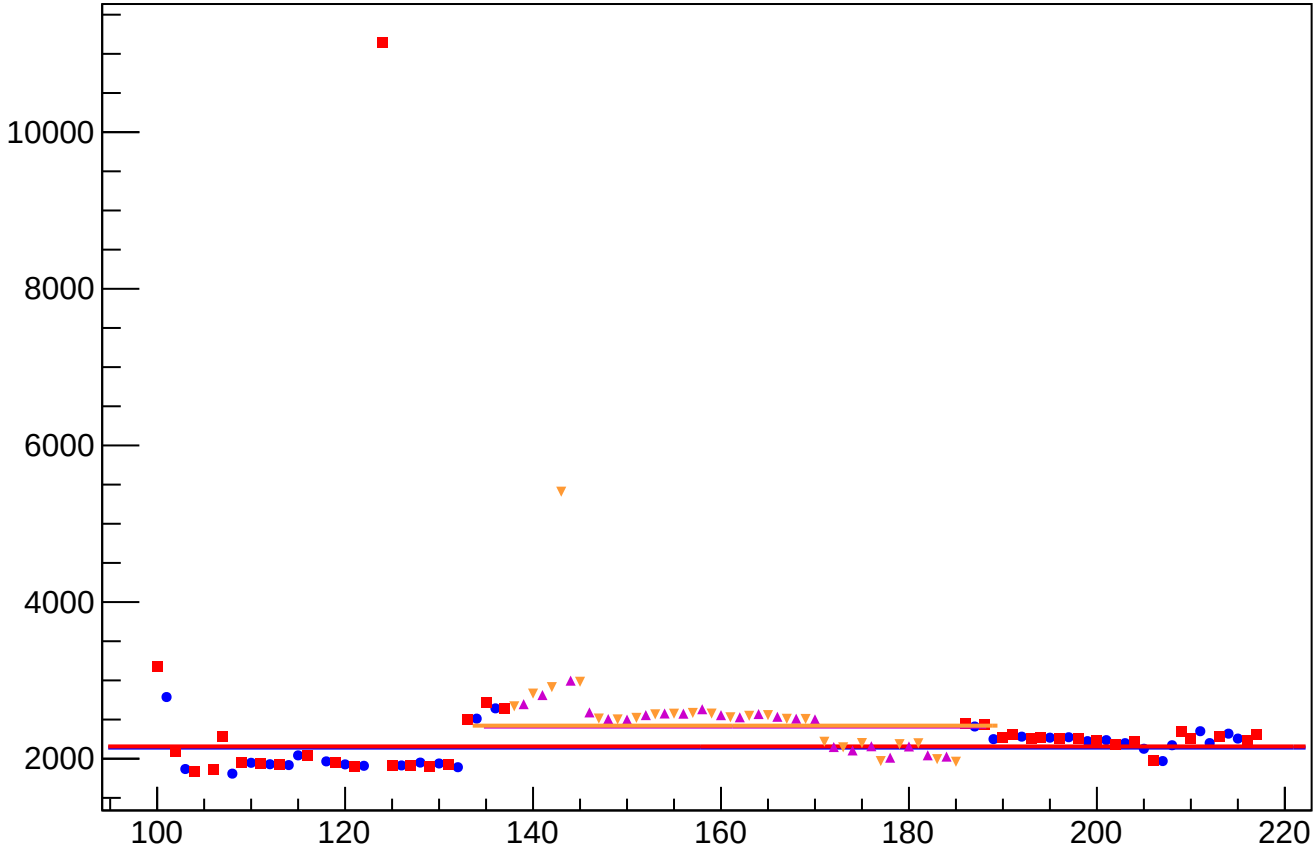
Right: 2232.317+/-342.734 χ^2/NDF: 41.6/66

In: 2402.634+/-370.700 χ^2/NDF:31.8/53

Out: 1558.171+/-363.339 χ^2/NDF:74.1/60

All: 1971.936+/-259.483 χ^2/NDF: 108.5/114

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: 2156.970+/-0.339 χ^2/NDF: 561512.2/35

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

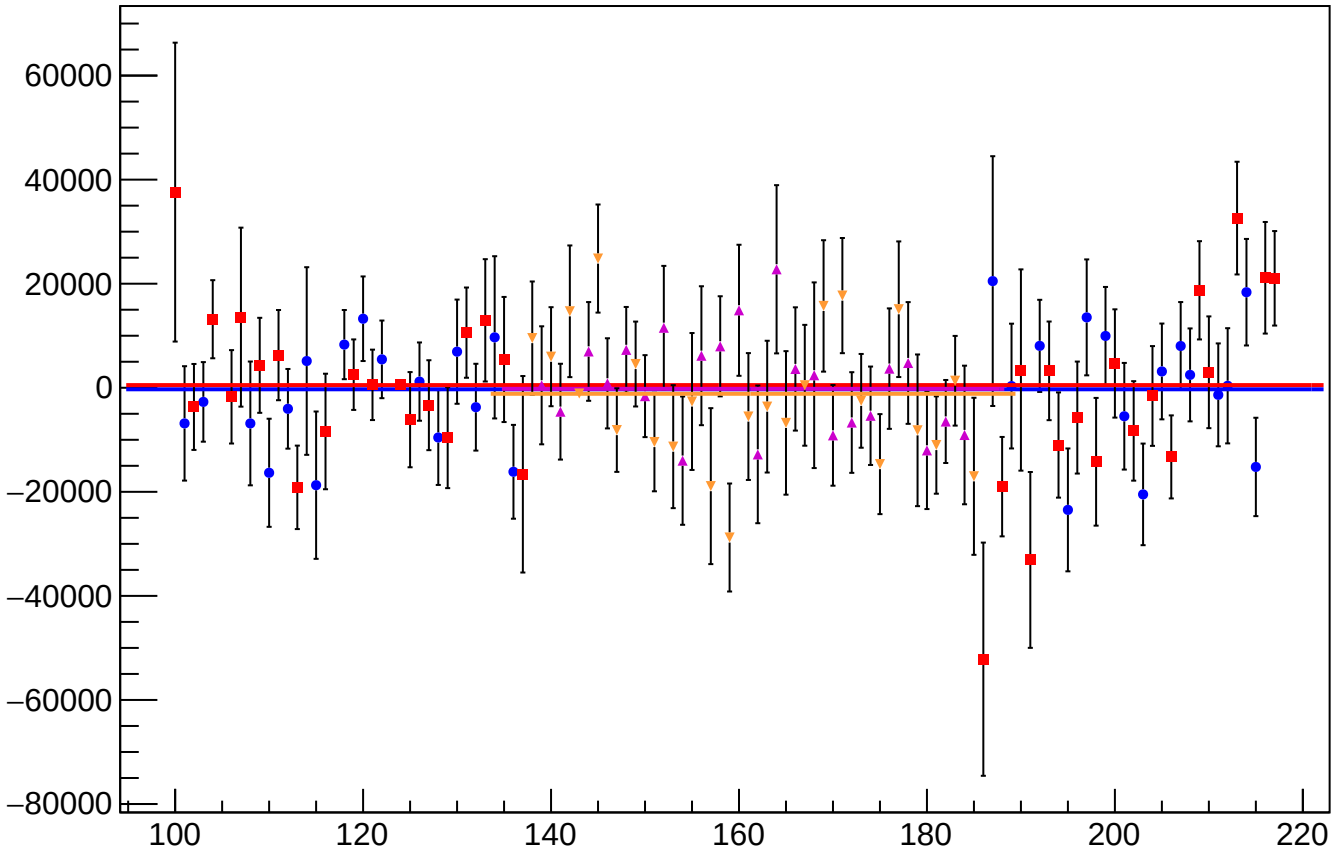
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2149.633+/-0.242 χ^2/NDF: 940370.9/66

In: 2256.771+/-0.262 χ^2/NDF:1062028.7/53

Out: 2269.680+/-0.257 χ^2/NDF:1774720.9/60

All: 2263.355+/-0.183 χ^2/NDF: 2837986.7/11



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: 511.526+/-735.821 χ^2/NDF: 60.3/35

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

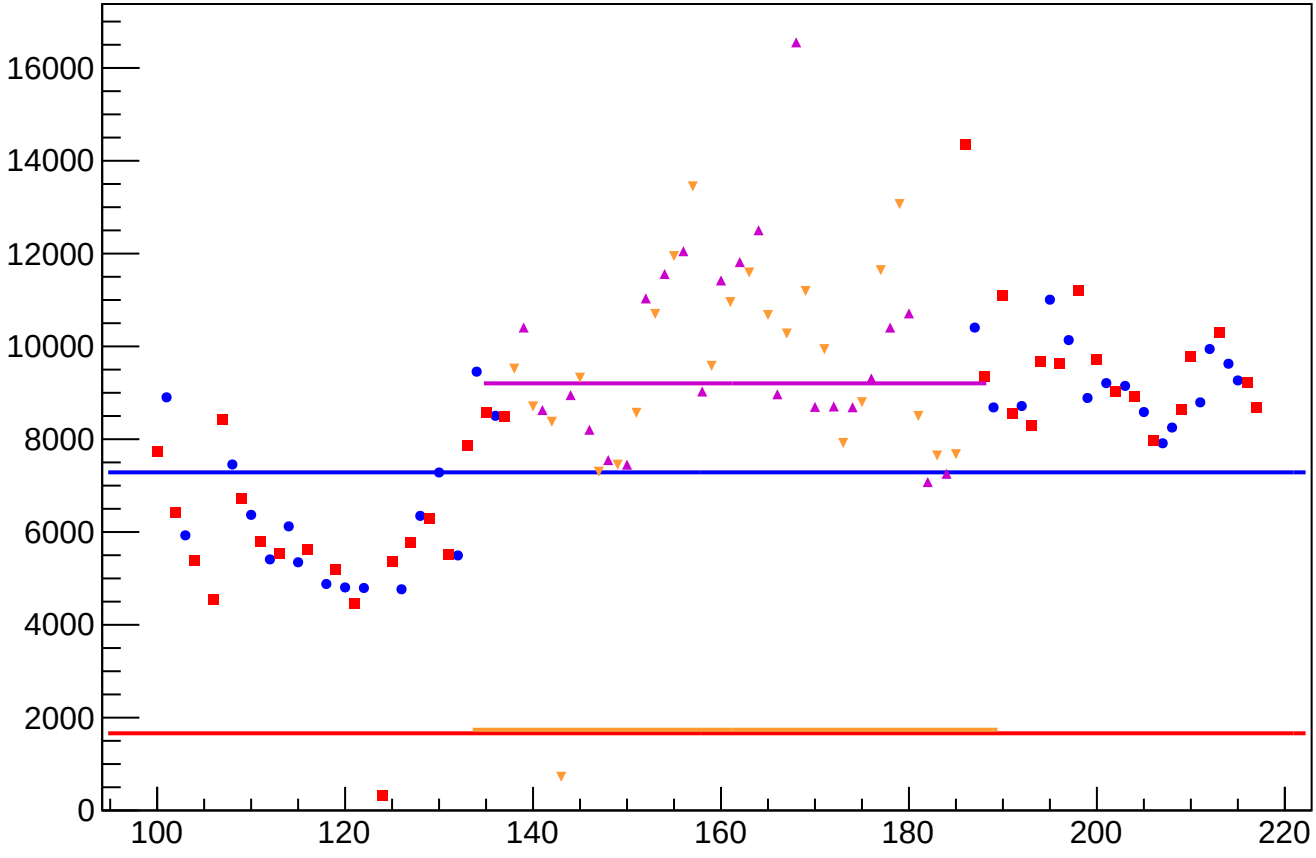
Right: 386.836+/-676.449 χ^2/NDF: 95.7/66

In: -261.645+/-1353.346 χ^2/NDF:48.7/53

Out: -298.737+/-527.880 χ^2/NDF:94.7/60

All: -293.839+/-491.793 χ^2/NDF: 143.4/114

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: 1662.891+/-0.520 χ^2/NDF: 30734230.0/35

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

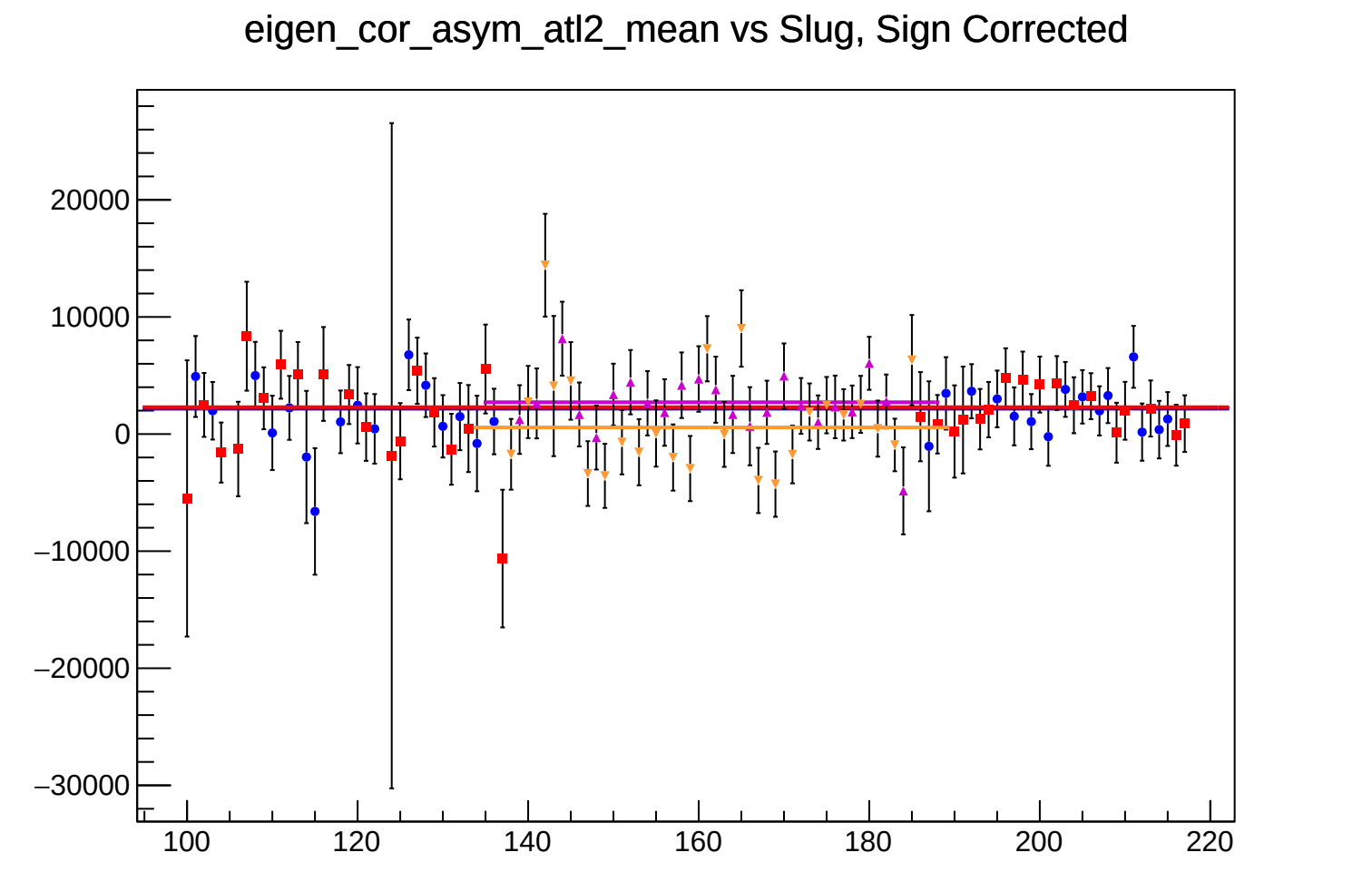
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2533.707+/-0.478 χ^2/NDF: 51266214.8/66

In: 8014.933+/-0.957 χ^2/NDF:4662755.0/53

Out: 1700.051+/-0.373 χ^2/NDF:58479832.1/60

All: 2533.948+/-0.348 χ^2/NDF: 100937766.8



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: 2294.277+/-479.171 χ^2/NDF: 24.6/35

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

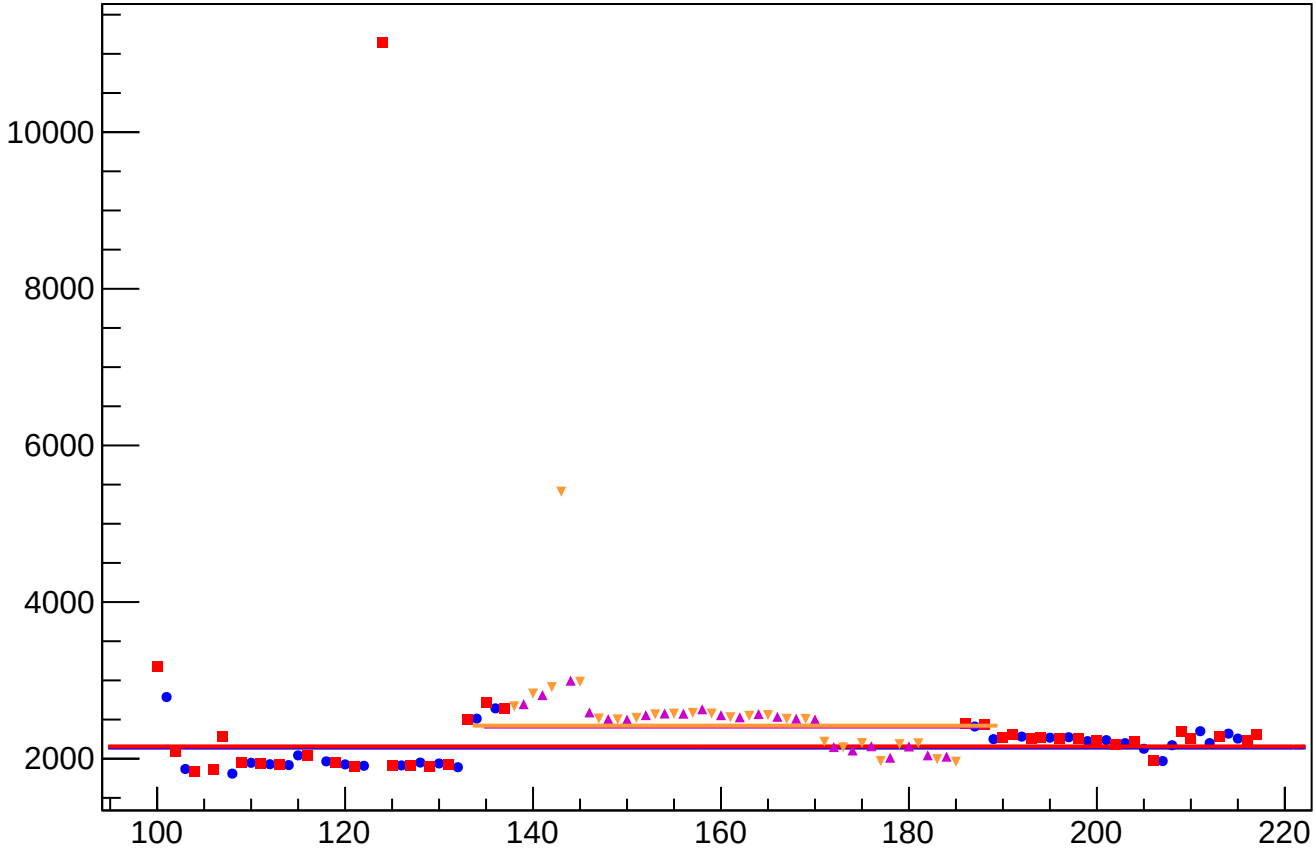
Right: 2232.317+/-342.734 χ^2/NDF: 41.6/66

In: 2402.634+/-370.700 χ^2/NDF:31.8/53

Out: 1558.171+/-363.339 χ^2/NDF:74.1/60

All: 1971.936+/-259.483 χ^2/NDF: 108.5/114

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2141.949+/-0.347 χ^2/NDF: 377898.8/30

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2156.970+/-0.339 χ^2/NDF: 561512.2/35

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

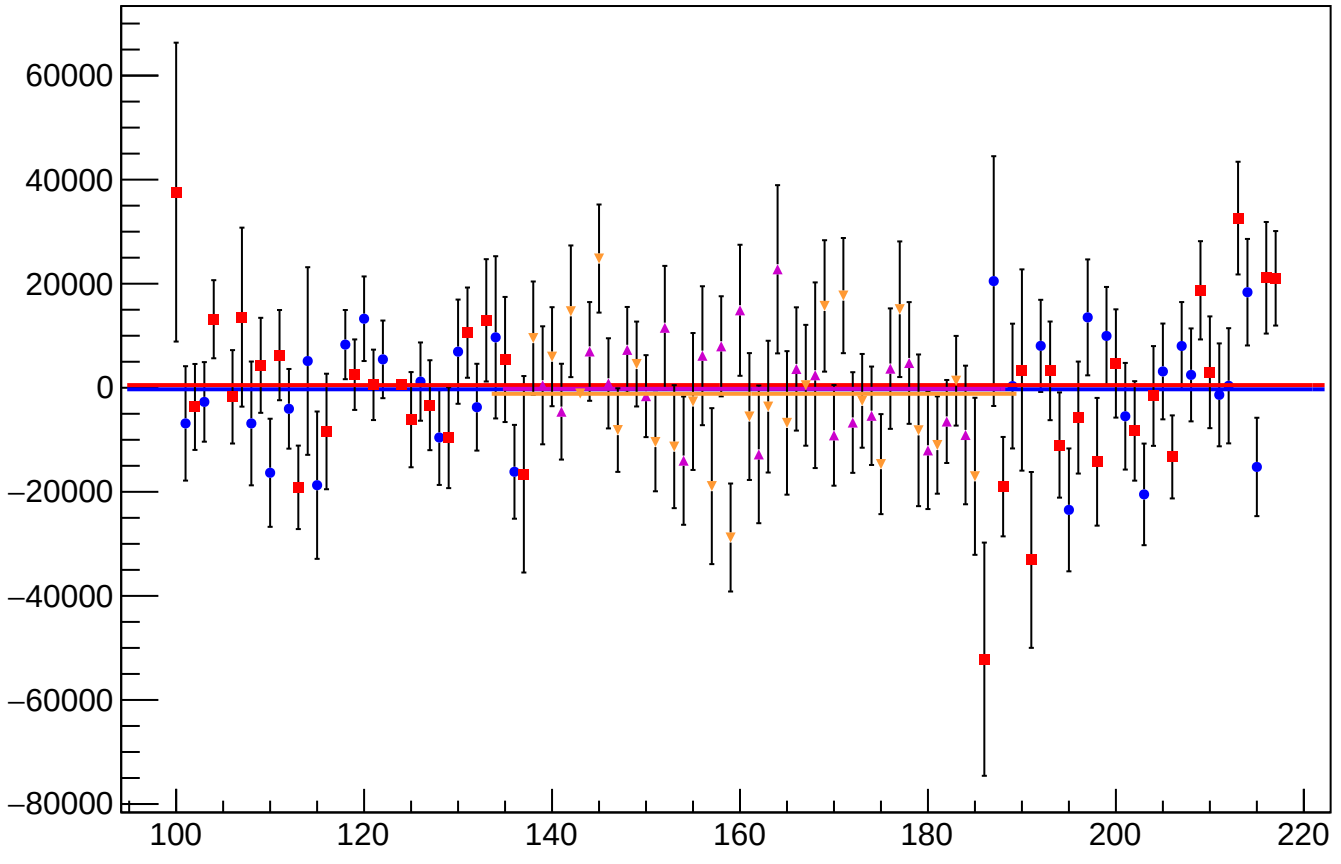
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2149.633+/-0.242 χ^2/NDF: 940370.9/66

In: 2256.771+/-0.262 χ^2/NDF:1062028.7/53

Out: 2269.680+/-0.257 χ^2/NDF:1774720.9/60

All: 2263.355+/-0.183 χ^2/NDF: 2837986.7/11



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: 511.526+/-735.821 χ^2/NDF: 60.3/35

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

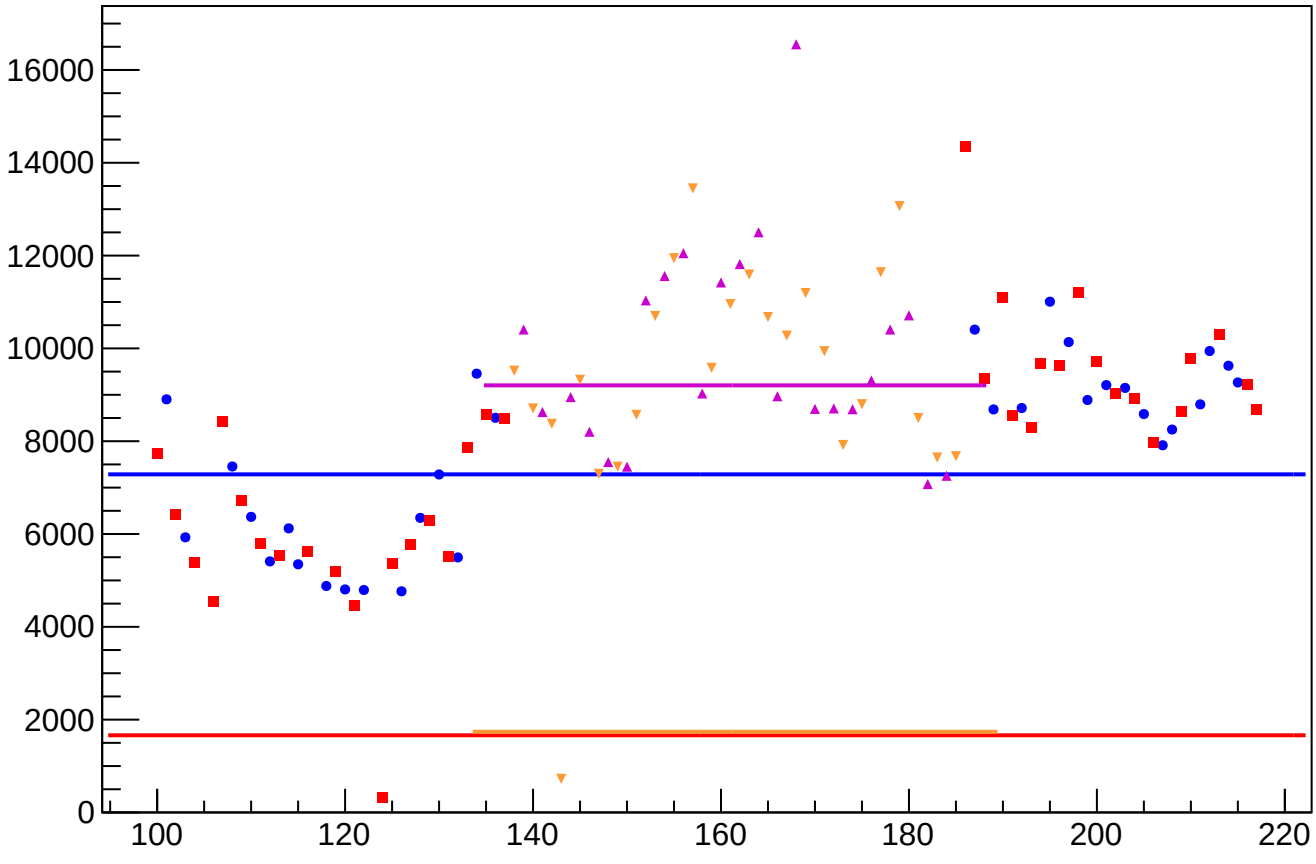
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 386.836+/-676.449 χ^2/NDF: 95.7/66

In: -261.645+/-1353.346 χ^2/NDF:48.7/53

Out: -298.737+/-527.880 χ^2/NDF:94.7/60

All: -293.839+/-491.793 χ^2/NDF: 143.4/114



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: 1662.891+/-0.520 χ^2/NDF: 30734230.0/35

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

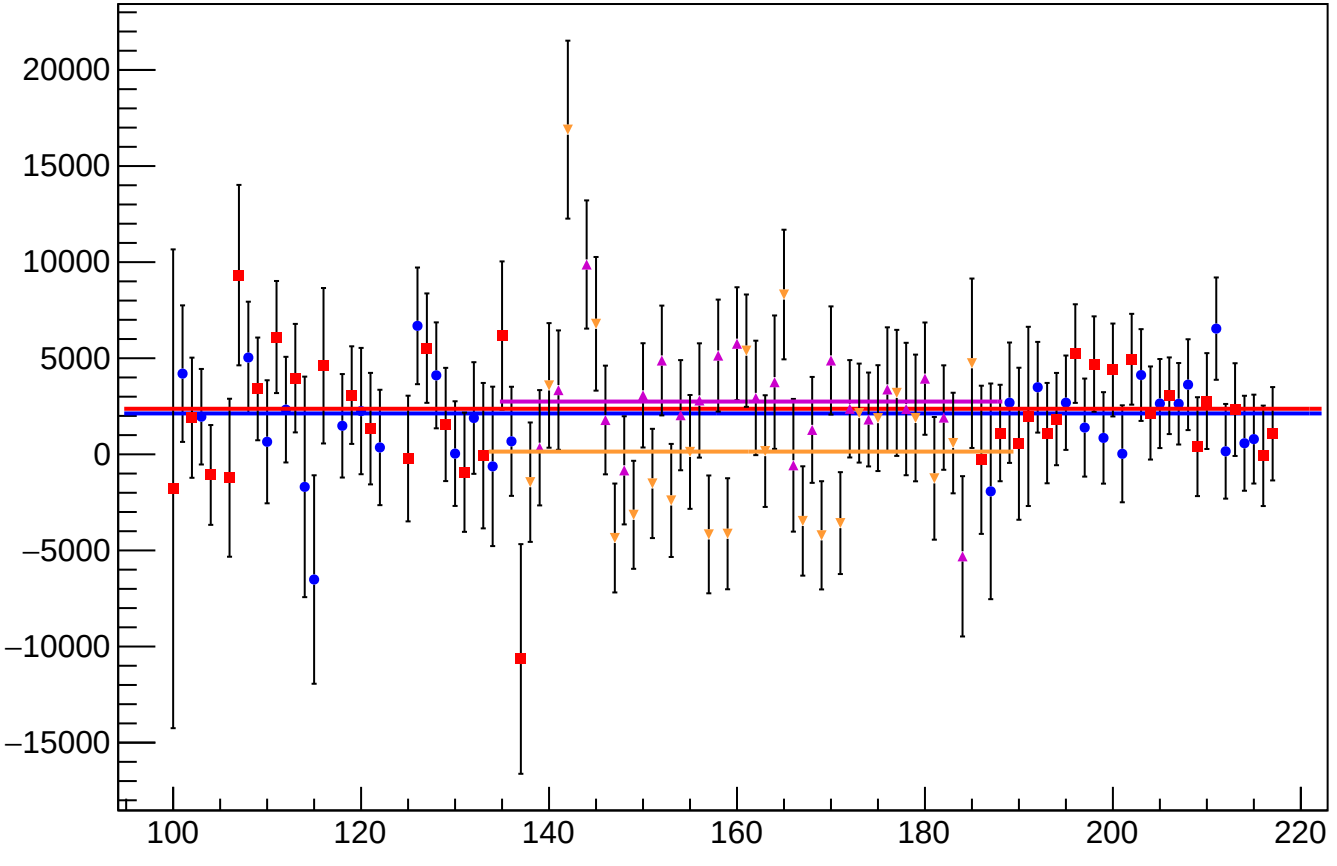
Right: 2533.707+/-0.478 χ^2/NDF: 51266214.8/66

In: 8014.933+/-0.957 χ^2/NDF:4662755.0/53

Out: 1700.051+/-0.373 χ^2/NDF:58479832.1/60

All: 2533.948+/-0.348 χ^2/NDF: 100937766.8

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2128.740+/-496.433 χ^2/NDF: 16.3/30

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2370.725+/-486.599 χ^2/NDF: 23.8/34

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

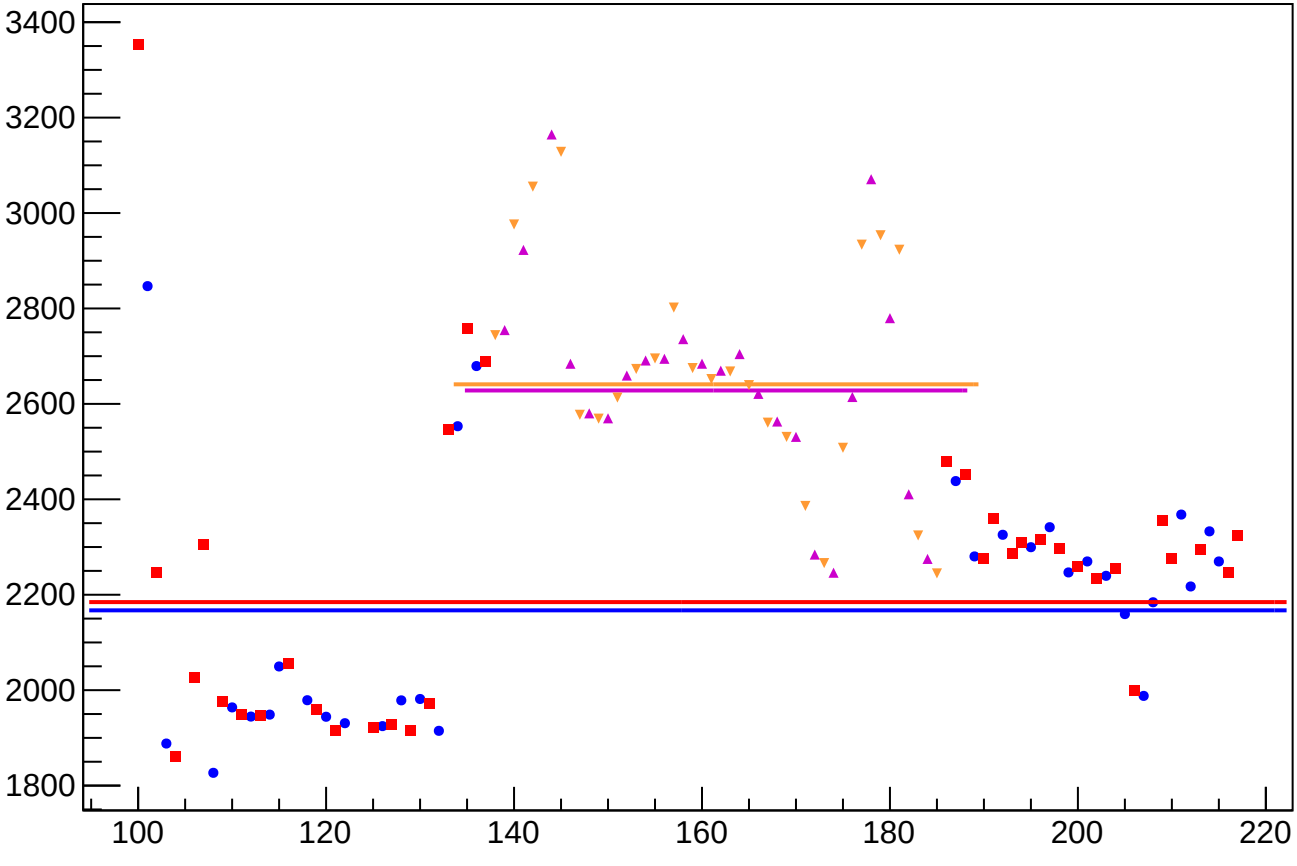
Right: 2252.153+/-347.502 χ^2/NDF: 40.3/65

In: 2371.717+/-386.565 χ^2/NDF:32.4/53

Out: 1514.103+/-381.773 χ^2/NDF:77.7/58

All: 1937.562+/-271.633 χ^2/NDF: 112.6/112

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: 2184.598+/-0.344 χ^2/NDF: 361649.8/34

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

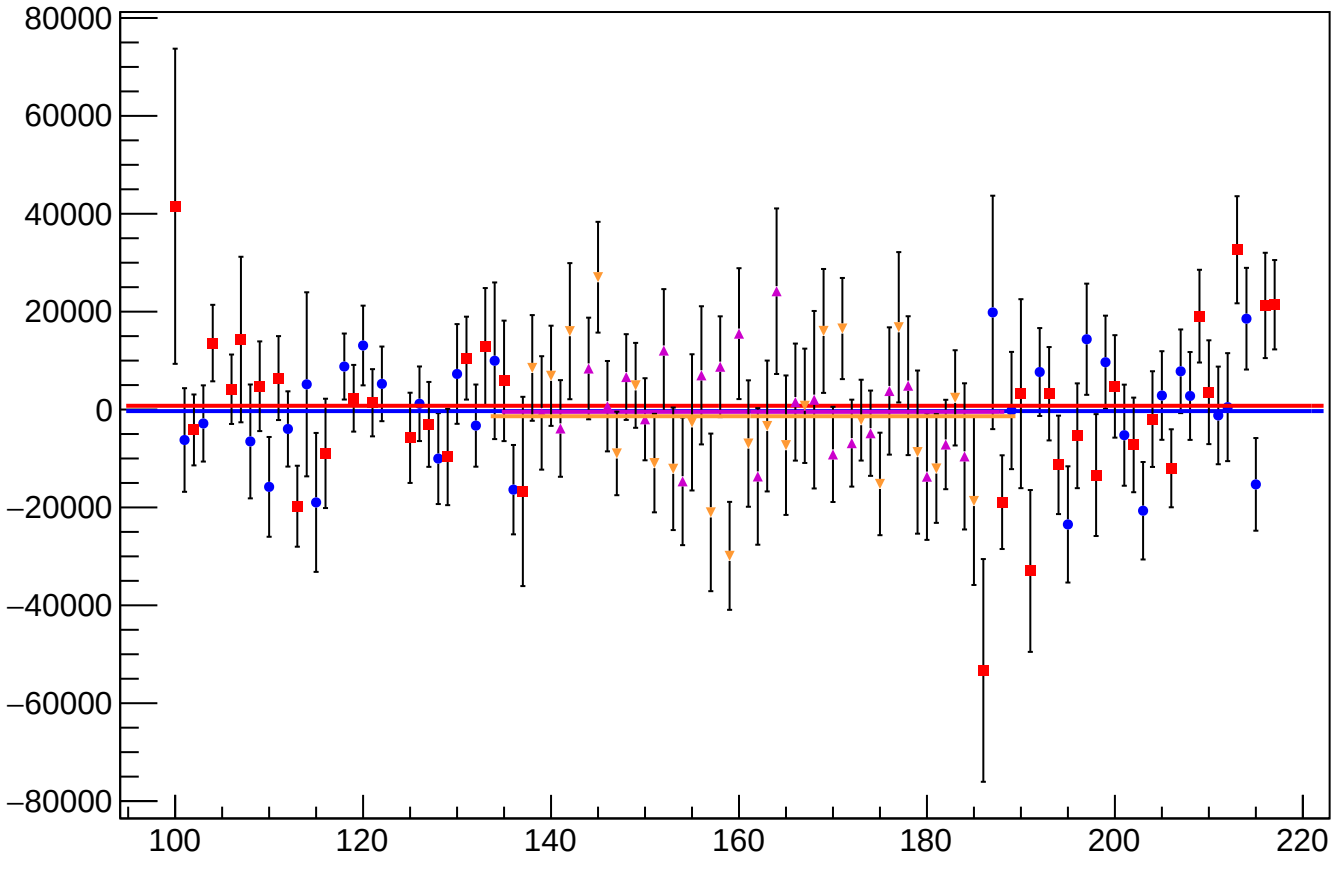
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2176.126+/-0.246 χ^2/NDF: 752485.6/65

In: 2348.698+/-0.273 χ^2/NDF:1305482.4/53

Out: 2359.924+/-0.270 χ^2/NDF:1291750.8/58

All: 2354.383+/-0.192 χ^2/NDF: 2598087.3/11



Right In: -316.748+/-1731.866 χ^2/NDF: 34.9/30

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 769.822+/-1651.949 χ^2/NDF: 60.1/34

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

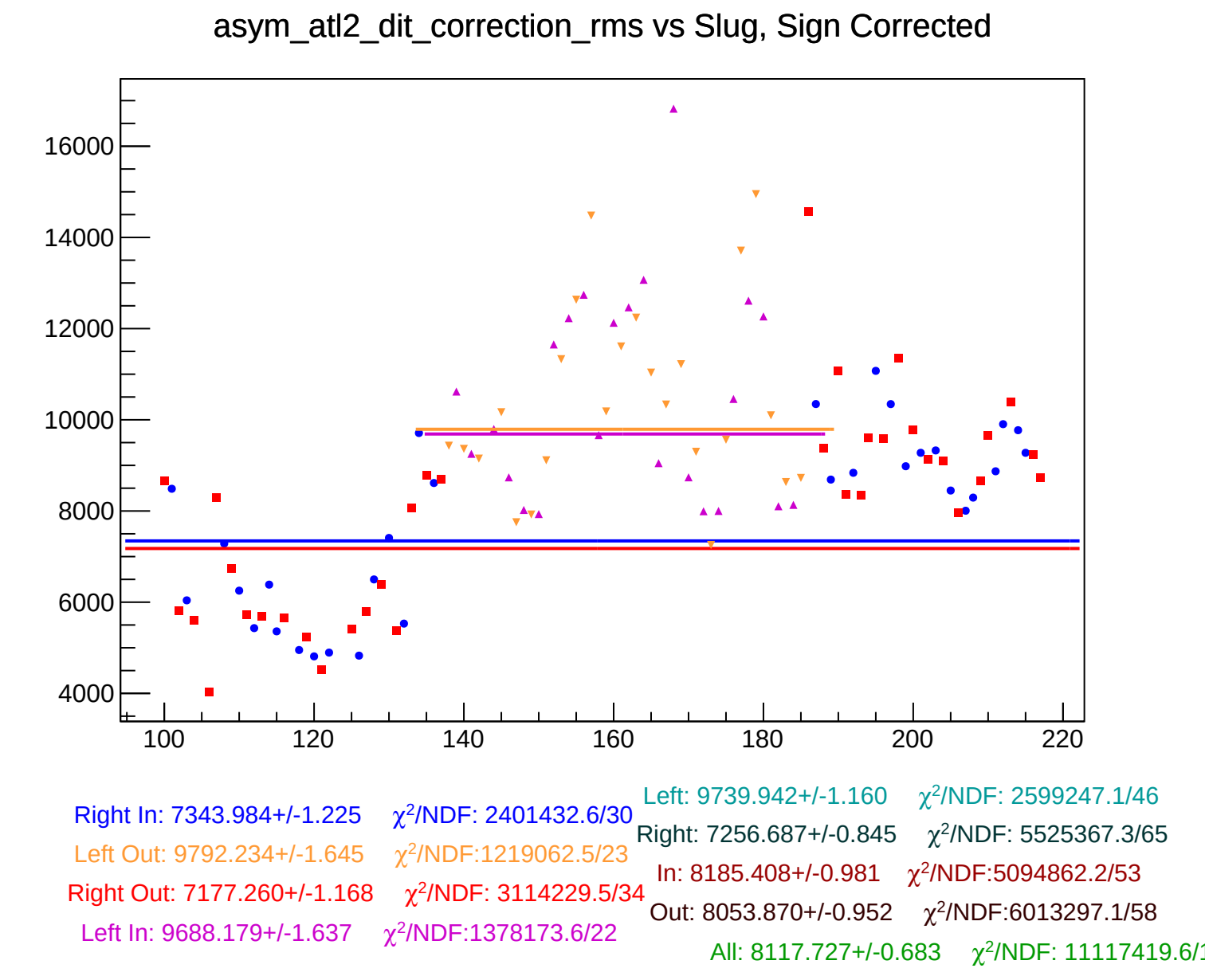
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

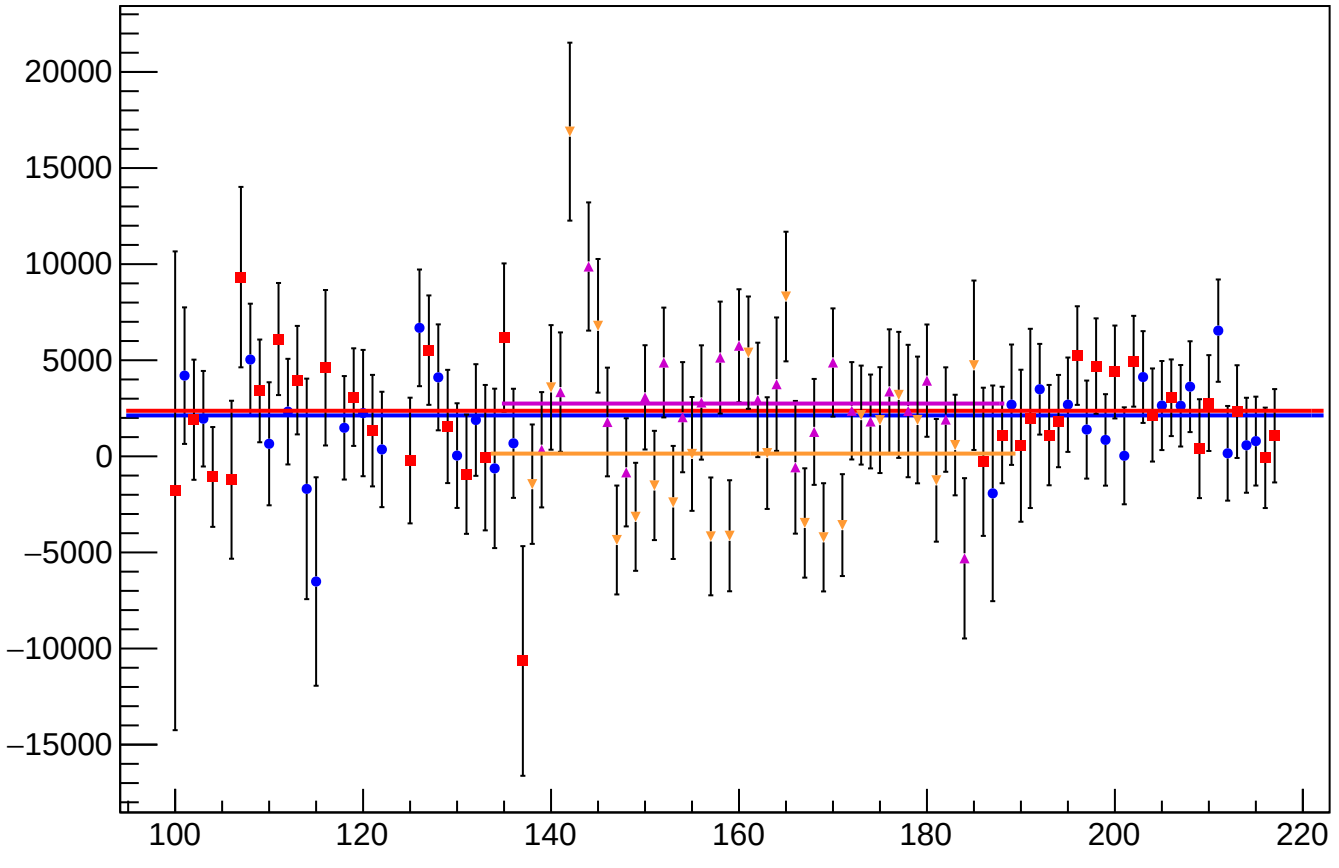
Right: 252.185+/-1195.358 χ^2/NDF: 95.1/65

In: -369.522+/-1386.640 χ^2/NDF:48.0/53

Out: 53.555+/-1346.893 χ^2/NDF:91.9/58

All: -151.833+/-966.144 χ^2/NDF: 139.9/112


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: 7177.260+/-1.168 χ²/NDF: 3114229.5/34
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 7256.687+/-0.845 χ²/NDF: 5525367.3/65
In: 8185.408+/-0.981 χ²/NDF:5094862.2/53
Out: 8053.870+/-0.952 χ²/NDF:6013297.1/58
All: 8117.727+/-0.683 χ²/NDF: 11117419.6/1



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: 2370.722+/-486.599 χ^2/NDF: 23.8/34

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

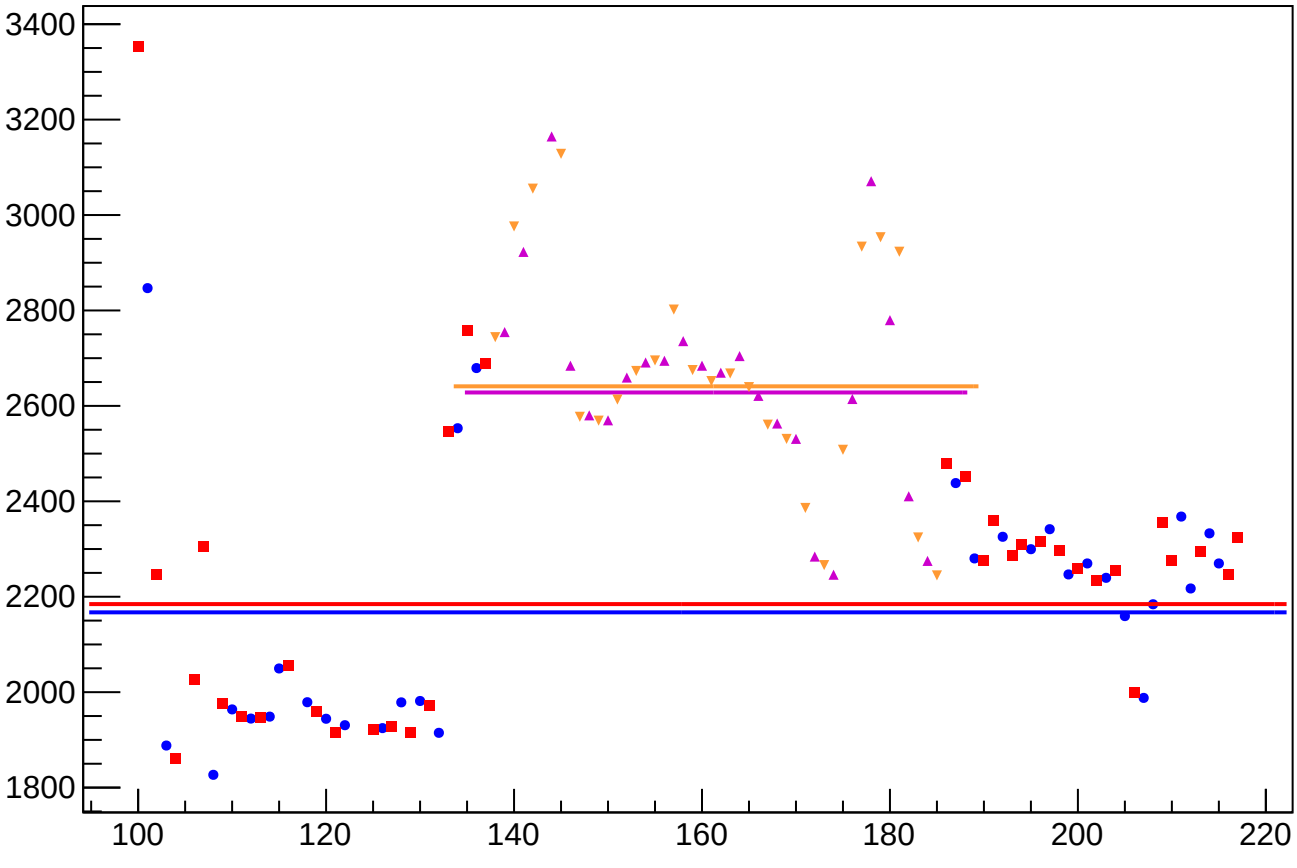
Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

Right: 2252.152+/-347.502 χ^2/NDF: 40.3/65

In: 2371.717+/-386.565 χ^2/NDF:32.4/53

Out: 1514.099+/-381.774 χ^2/NDF:77.7/58

All: 1937.560+/-271.633 χ^2/NDF: 112.6/112



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: 2184.598+/-0.344 χ^2/NDF: 361650.4/34

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

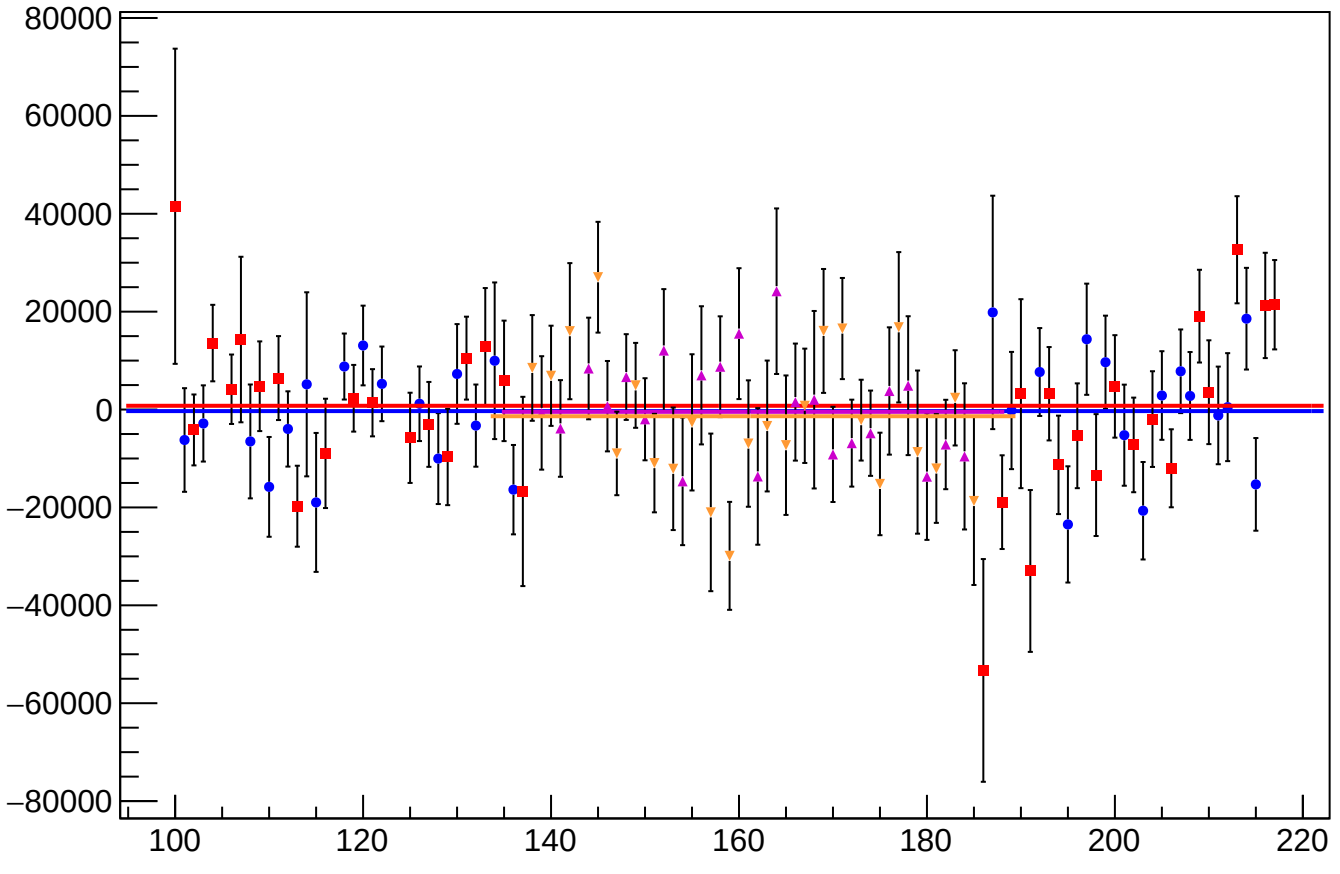
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2176.127+/-0.246 χ^2/NDF: 752486.1/65

In: 2348.699+/-0.273 χ^2/NDF:1305496.7/53

Out: 2359.925+/-0.270 χ^2/NDF:1291766.9/58

All: 2354.384+/-0.192 χ^2/NDF: 2598117.7/11



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: 769.829+/-1651.947 χ^2/NDF: 60.1/34

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

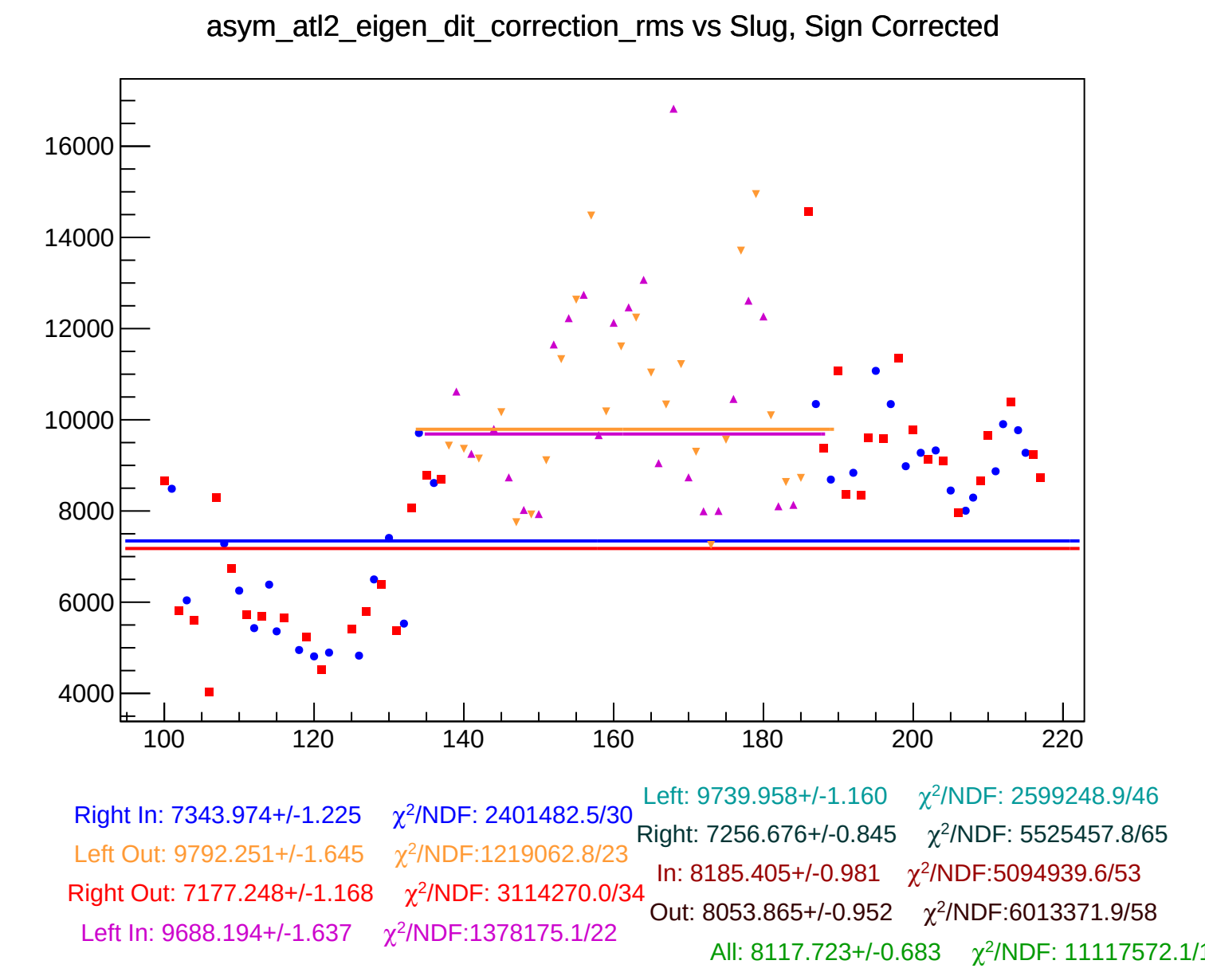
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: 252.192+/-1195.357 χ^2/NDF: 95.1/65

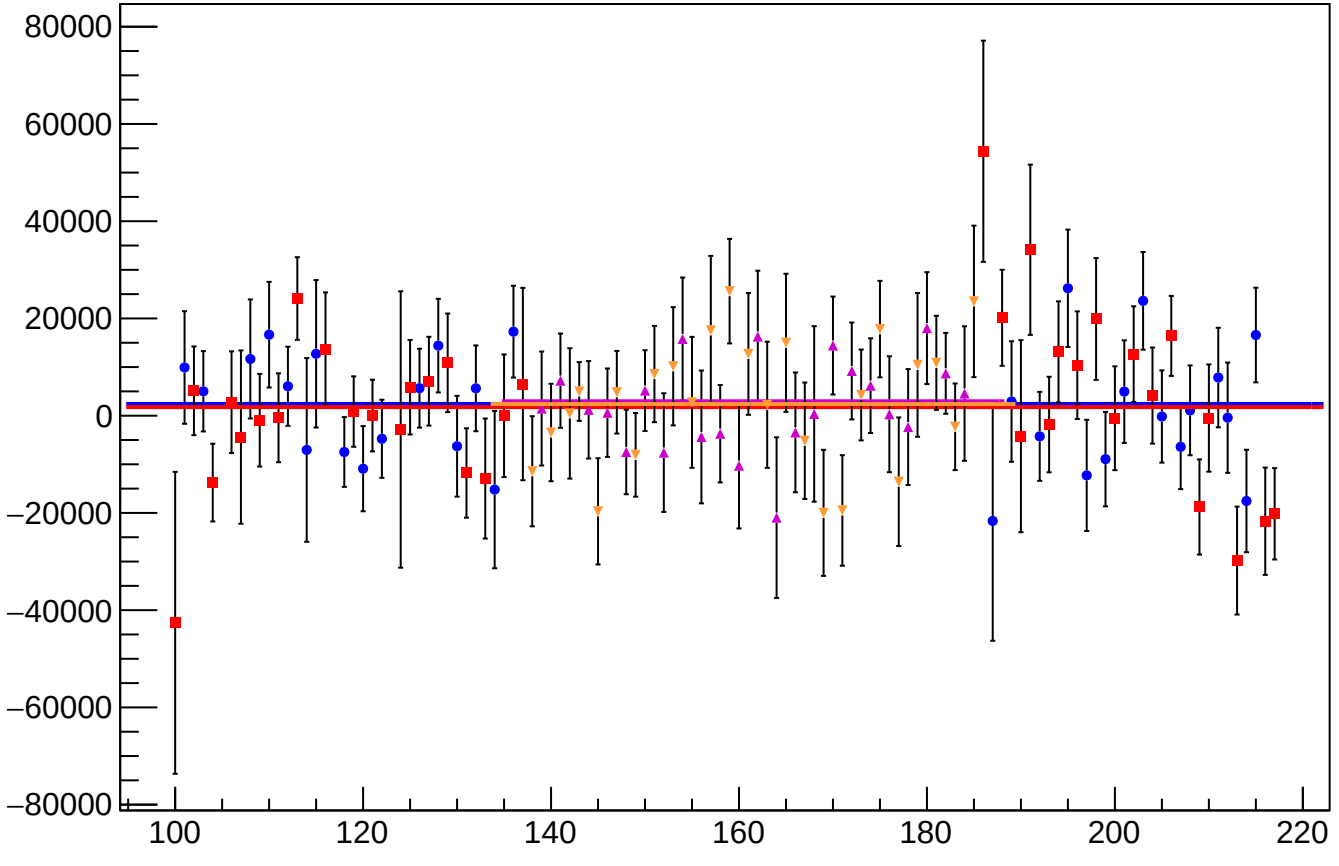
In: -369.518+/-1386.640 χ^2/NDF:48.0/53

Out: 53.559+/-1346.893 χ^2/NDF:91.9/58

All: -151.829+/-966.144 χ^2/NDF: 139.9/112


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: 7177.248+/-1.168 χ²/NDF: 3114270.0/34
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 7256.676+/-0.845 χ²/NDF: 5525457.8/65
In: 8185.405+/-0.981 χ²/NDF:5094939.6/53
Out: 8053.865+/-0.952 χ²/NDF:6013371.9/58
All: 8117.723+/-0.683 χ²/NDF: 11117572.1/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2411.584+/-1802.809 χ^2/NDF: 35.0/30

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 1767.346+/-1751.784 χ^2/NDF: 62.6/35

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

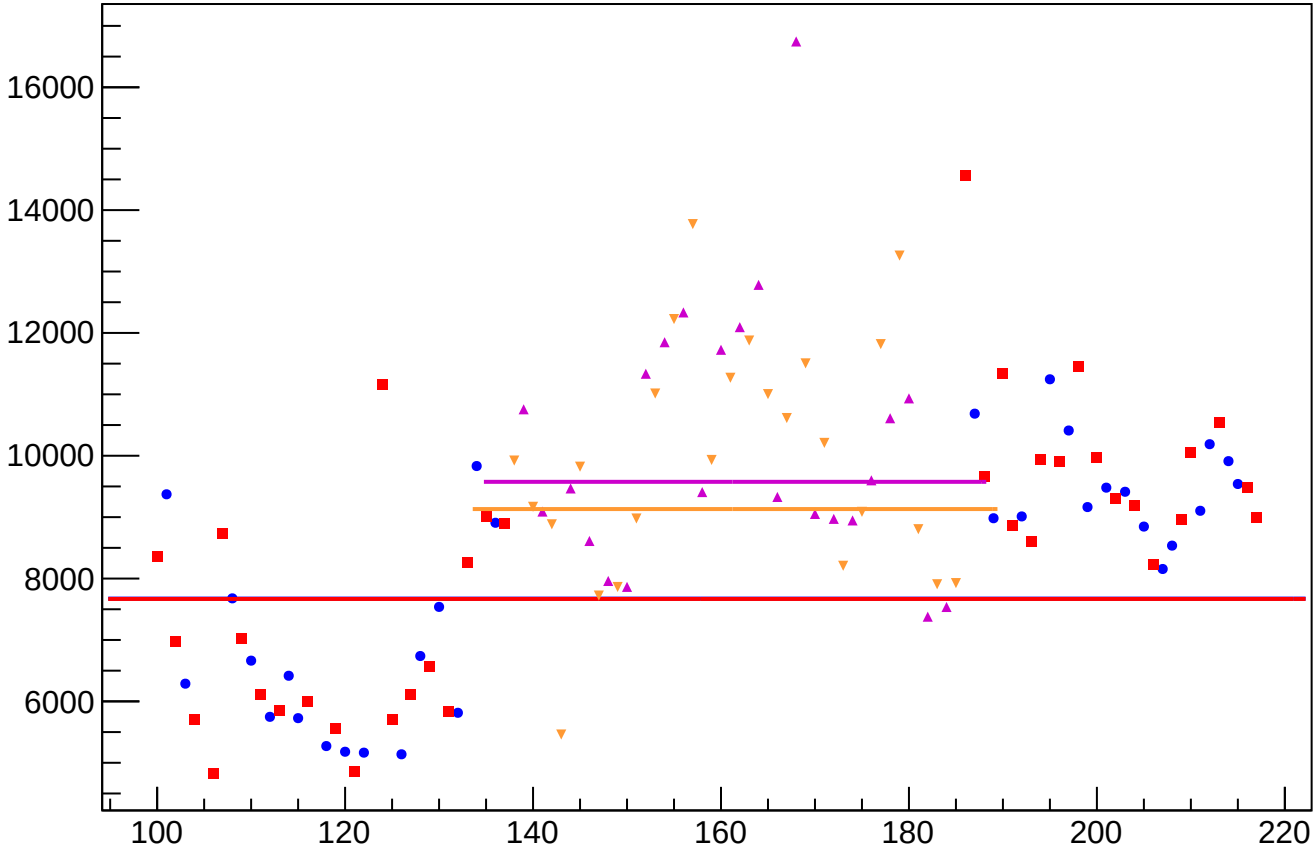
Right: 2080.219+/-1256.350 χ^2/NDF: 97.7/66

In: 2624.042+/-1413.890 χ^2/NDF:48.0/53

Out: 2016.798+/-1354.651 χ^2/NDF:92.4/60

All: 2307.433+/-978.155 χ^2/NDF: 140.5/114

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: 7668.012+/-1.239 χ^2/NDF: 2537494.5/35

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

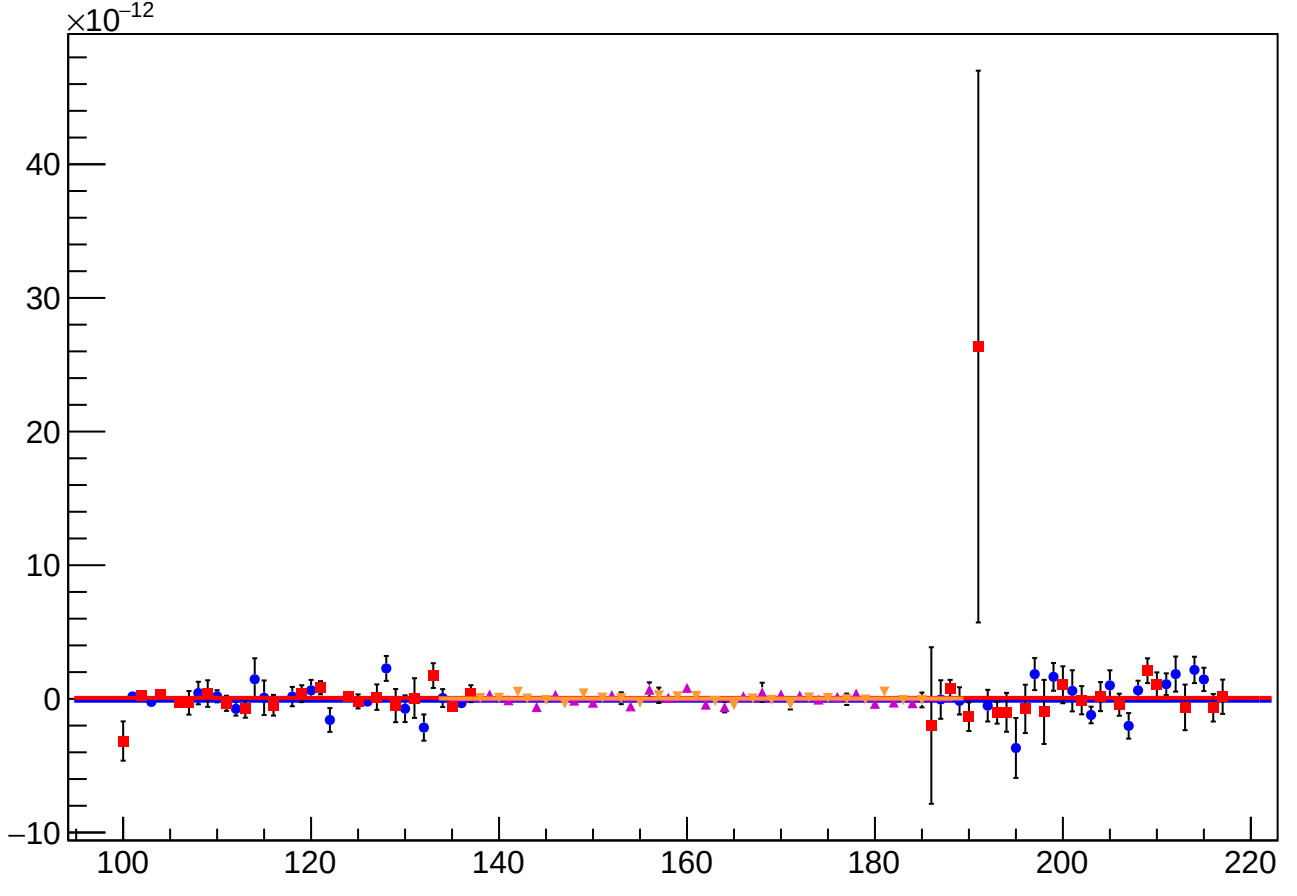
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7670.521+/-0.888 χ^2/NDF: 4668373.3/66

In: 8405.317+/-1.000 χ^2/NDF:4141605.7/53

Out: 8256.434+/-0.958 χ^2/NDF:4910477.7/60

All: 8327.691+/-0.692 χ^2/NDF: 9063645.8/11



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: 36.0/35

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

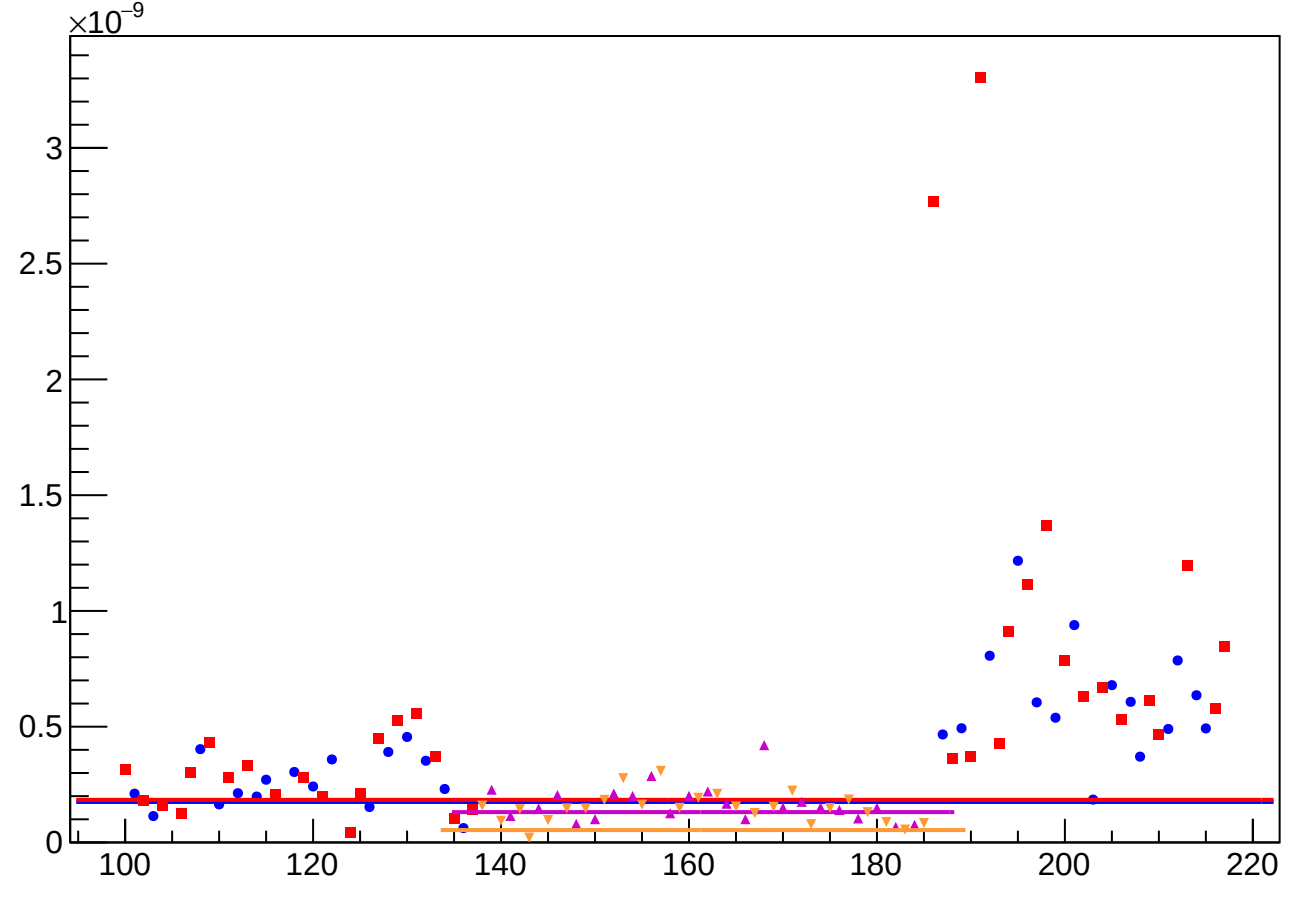
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 91.2/66

In: -0.000+/-0.000 χ^2/NDF:89.9/53

Out: 0.000+/-0.000 χ^2/NDF:54.1/60

All: 0.000+/-0.000 χ^2/NDF: 147.7/114



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: 8839555.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

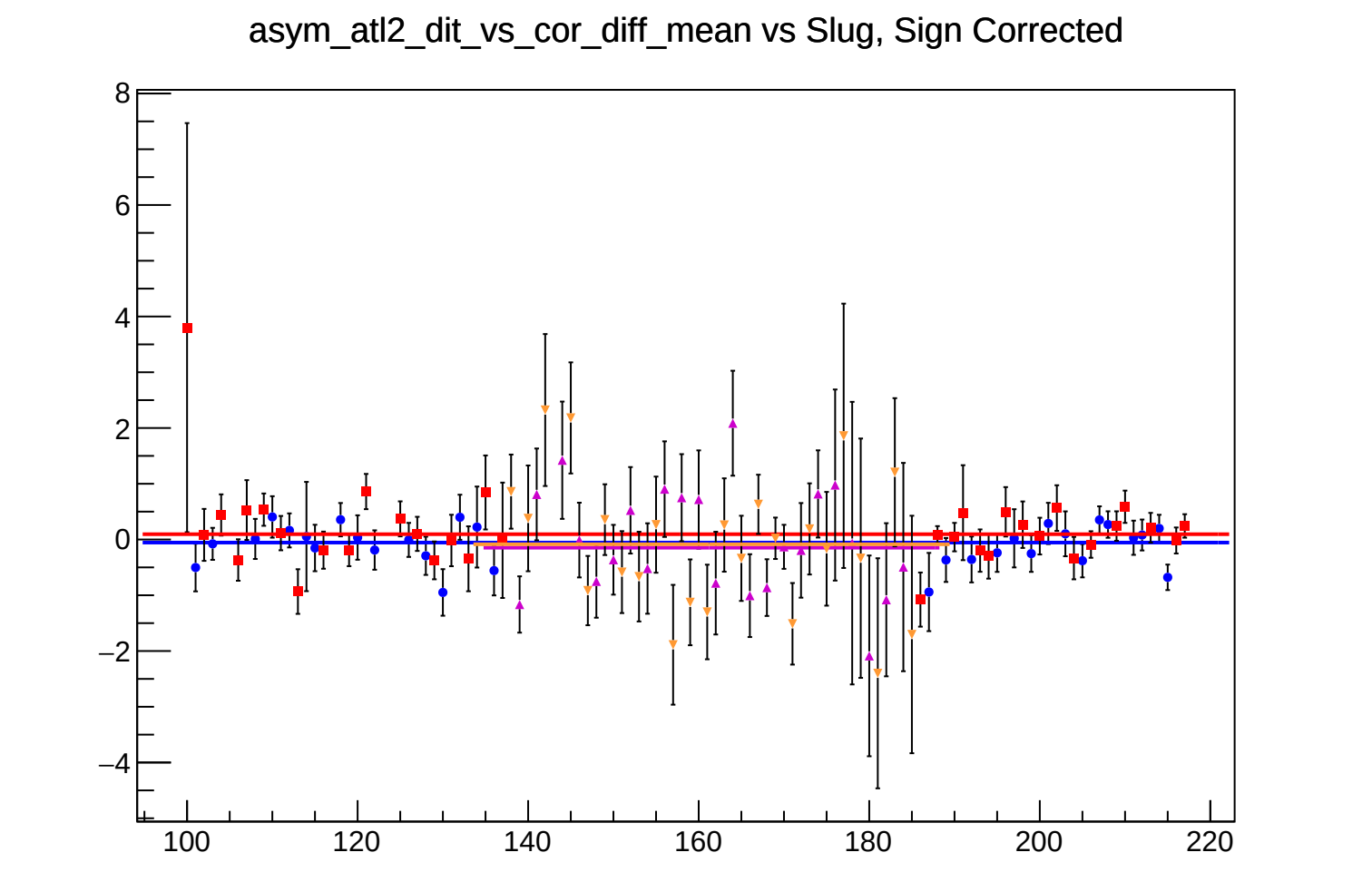
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15698869.0/66

In: 0.000+/-0.000 χ^2/NDF:9103653.8/53

Out: 0.000+/-0.000 χ^2/NDF:19869395.4/60

All: 0.000+/-0.000 χ^2/NDF: 32955873.6/114



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: 0.095+/-0.055 χ^2/NDF: 41.2/34

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

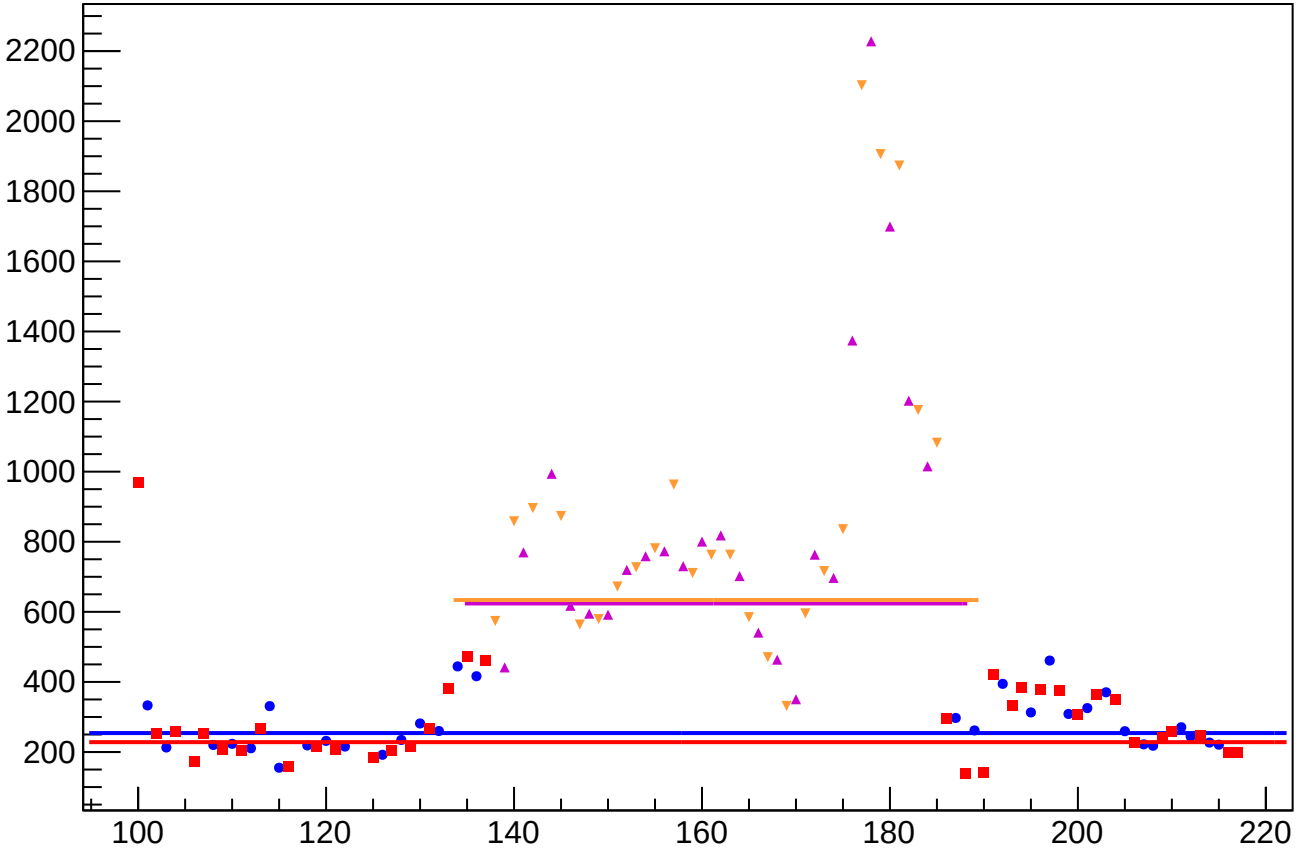
Right: 0.028+/-0.041 χ^2/NDF: 76.8/65

In: -0.067+/-0.057 χ^2/NDF:59.0/53

Out: 0.077+/-0.052 χ^2/NDF:72.6/58

All: 0.011+/-0.038 χ^2/NDF: 135.0/112

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 254.090+/-0.043 χ^2/NDF: 1932803.3/30

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 228.165+/-0.039 χ^2/NDF: 3516857.9/34

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

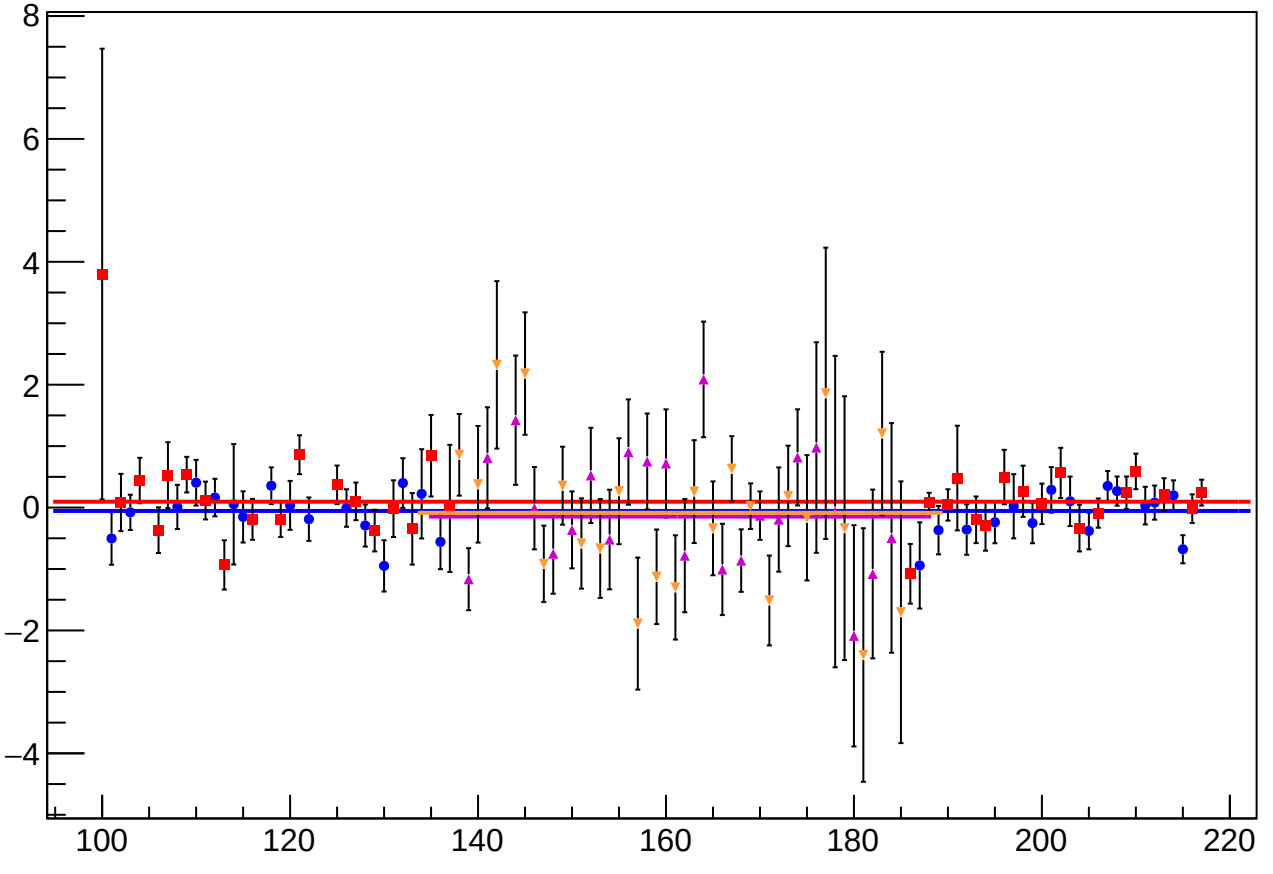
Right: 239.740+/-0.029 χ^2/NDF: 5649336.6/65

In: 302.011+/-0.040 χ^2/NDF:15986385.1/53

Out: 270.099+/-0.037 χ^2/NDF:19825783.0/58

All: 284.581+/-0.027 χ^2/NDF: 36155140.4/11

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.095+/-0.055 χ^2/NDF: 41.2/34

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

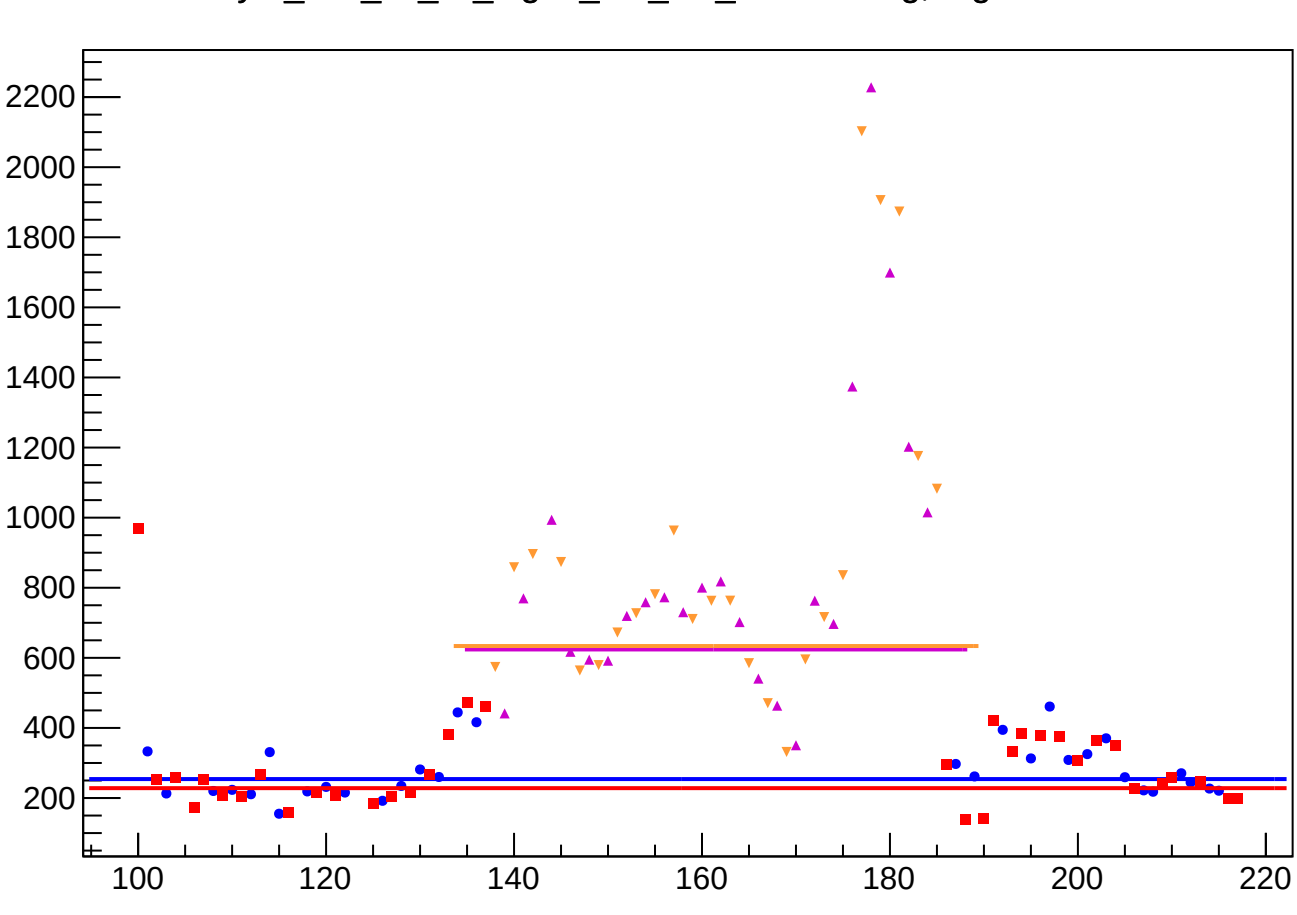
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.028+/-0.041 χ^2/NDF: 76.8/65

In: -0.067+/-0.057 χ^2/NDF:59.0/53

Out: 0.077+/-0.052 χ^2/NDF:72.6/58

All: 0.011+/-0.038 χ^2/NDF: 135.0/112



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: 228.165+/-0.039 χ^2/NDF: 3516857.9/34

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

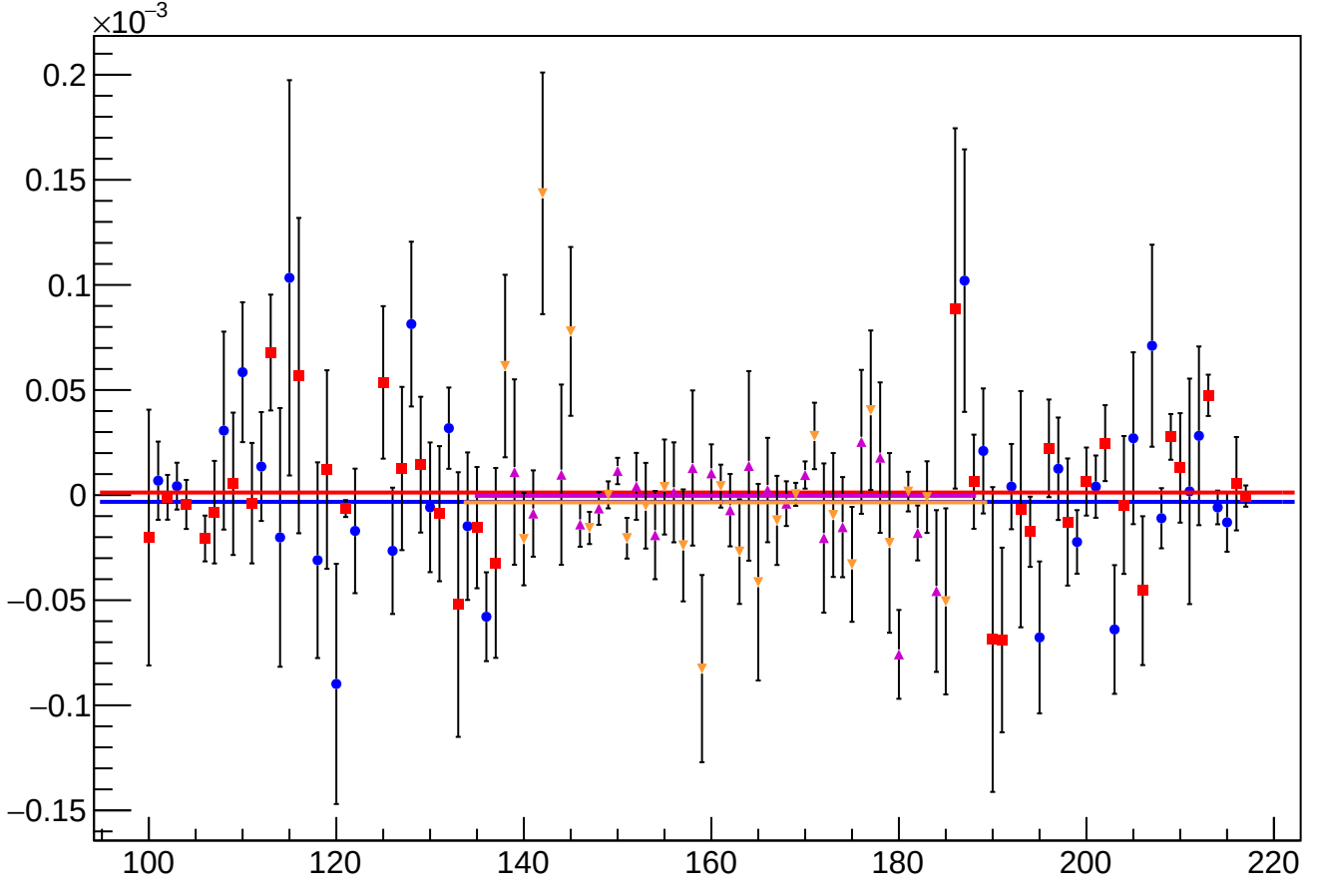
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 239.740+/-0.029 χ^2/NDF: 5649336.6/65

In: 302.011+/-0.040 χ^2/NDF:15986385.1/53

Out: 270.099+/-0.037 χ^2/NDF:19825783.0/58

All: 284.581+/-0.027 χ^2/NDF: 36155140.4/11



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: 57.6/34

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

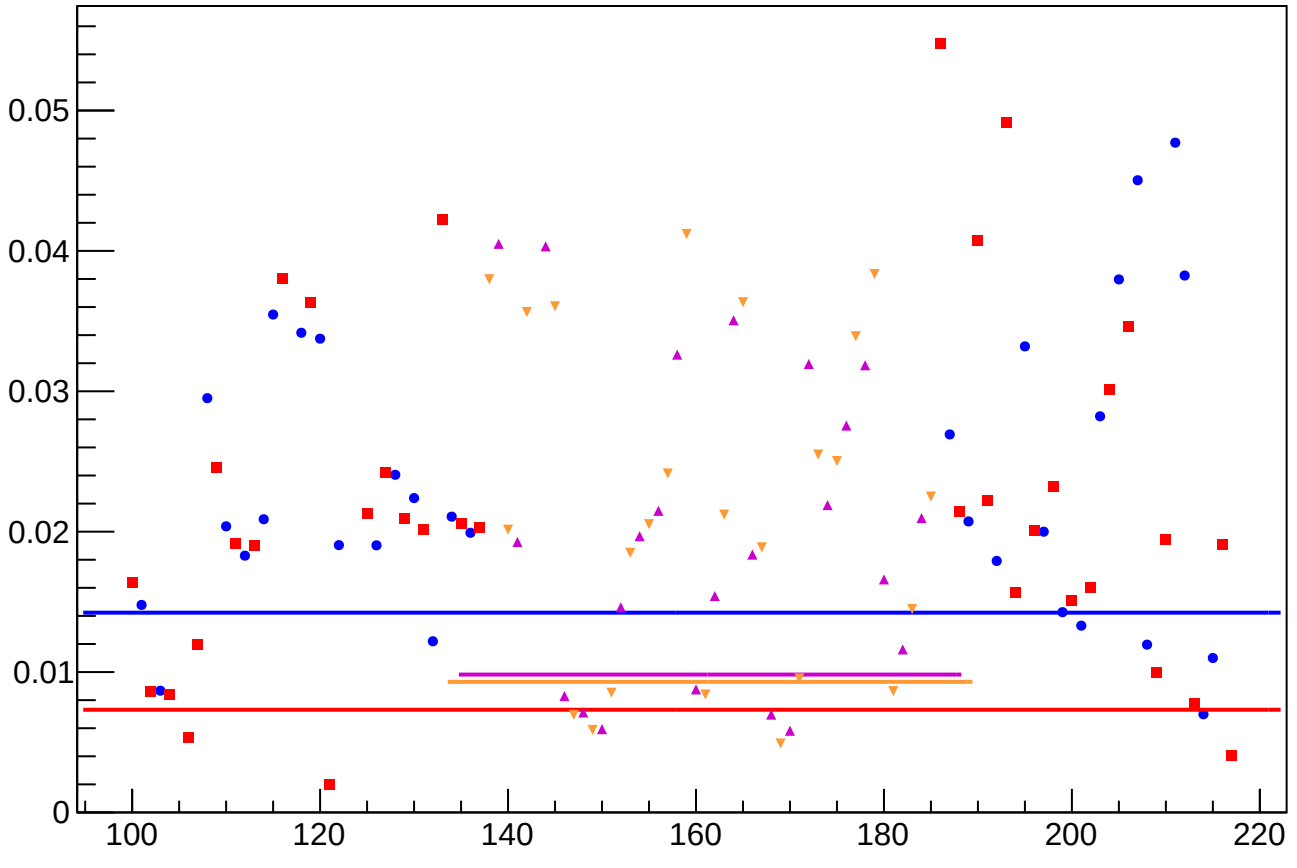
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 100.7/65

In: -0.000+/-0.000 χ^2/NDF:70.3/53

Out: -0.000+/-0.000 χ^2/NDF:93.5/58

All: -0.000+/-0.000 χ^2/NDF: 163.9/112



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: 0.007+/-0.000 χ^2/NDF: 18425239.9/34

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

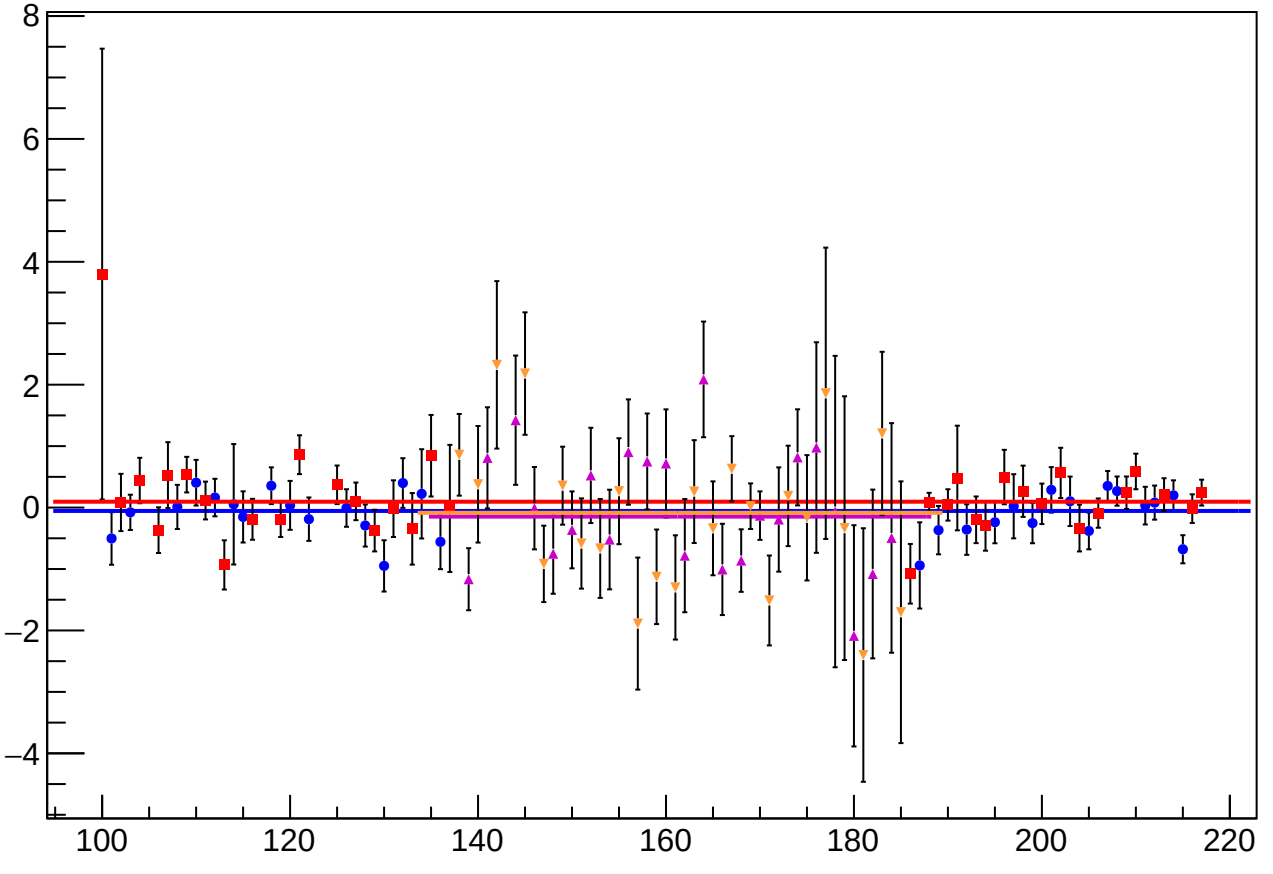
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.009+/-0.000 χ^2/NDF: 31343256.5/65

In: 0.011+/-0.000 χ^2/NDF:20196499.7/53

Out: 0.008+/-0.000 χ^2/NDF:31248036.2/58

All: 0.009+/-0.000 χ^2/NDF: 53932400.9/112



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.095+/-0.055 χ^2/NDF: 41.2/34

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

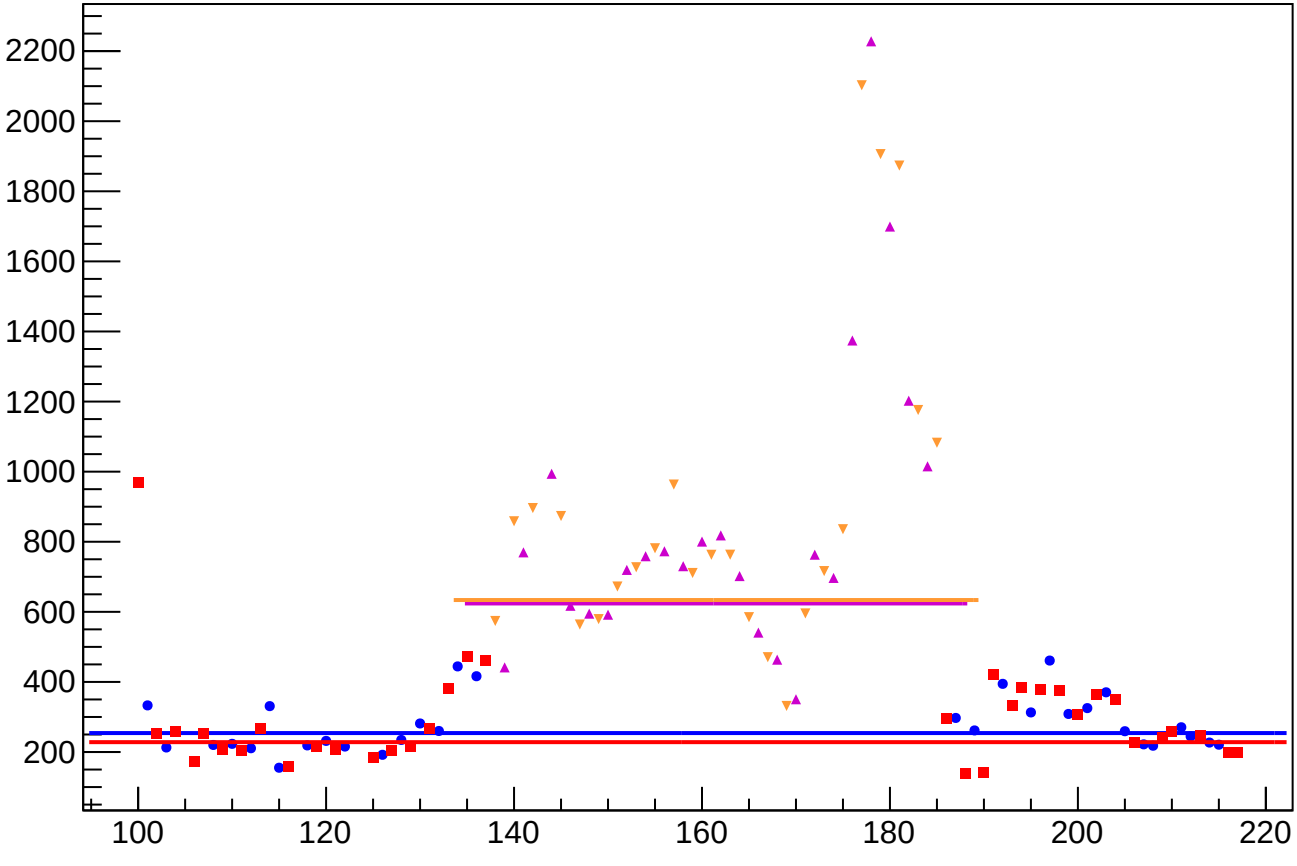
Right: 0.028+/-0.041 χ^2/NDF: 76.8/65

In: -0.067+/-0.057 χ^2/NDF:59.0/53

Out: 0.077+/-0.052 χ^2/NDF:72.6/58

All: 0.011+/-0.038 χ^2/NDF: 135.0/112

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 254.091+/-0.043 χ^2/NDF: 1932802.1/30

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 228.163+/-0.039 χ^2/NDF: 3516999.6/34

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

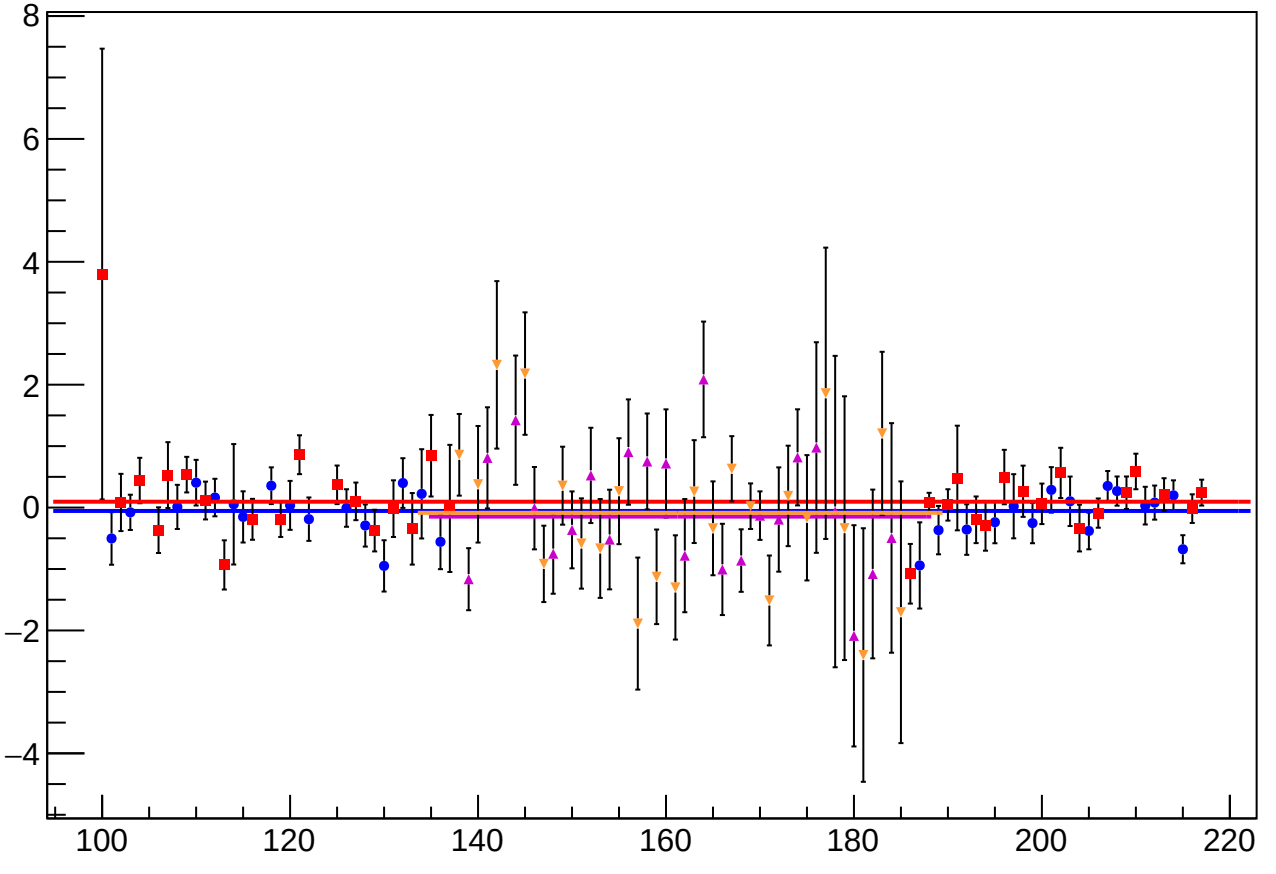
Right: 239.739+/-0.029 χ^2/NDF: 5649515.3/65

In: 302.011+/-0.040 χ^2/NDF:15986493.7/53

Out: 270.097+/-0.037 χ^2/NDF:19826184.8/58

All: 284.580+/-0.027 χ^2/NDF: 36155713.3/11

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.095+/-0.055 χ^2/NDF: 41.2/34

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

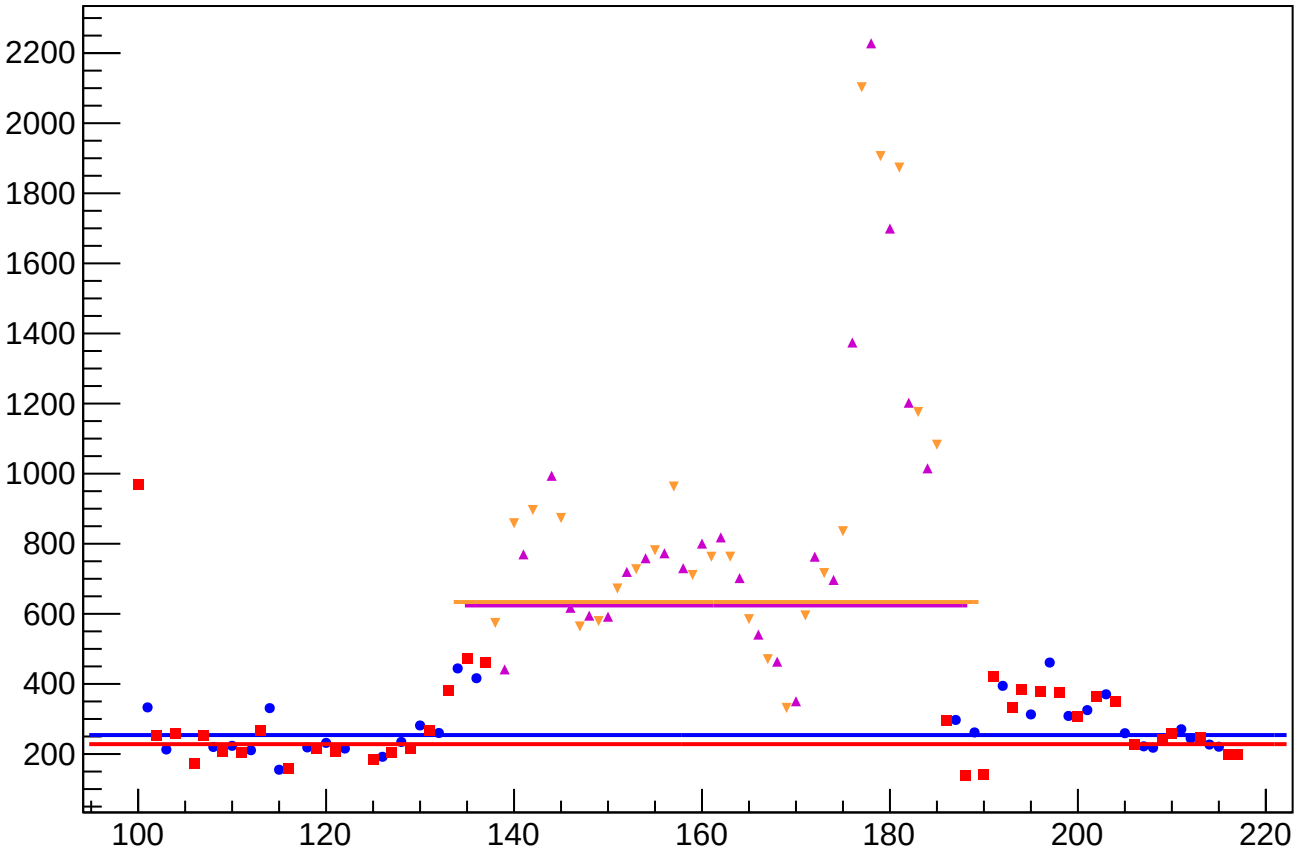
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.028+/-0.041 χ^2/NDF: 76.8/65

In: -0.067+/-0.057 χ^2/NDF:59.0/53

Out: 0.077+/-0.052 χ^2/NDF:72.6/58

All: 0.011+/-0.038 χ^2/NDF: 135.0/112



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: 228.163+/-0.039 χ^2/NDF: 3516999.6/34

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

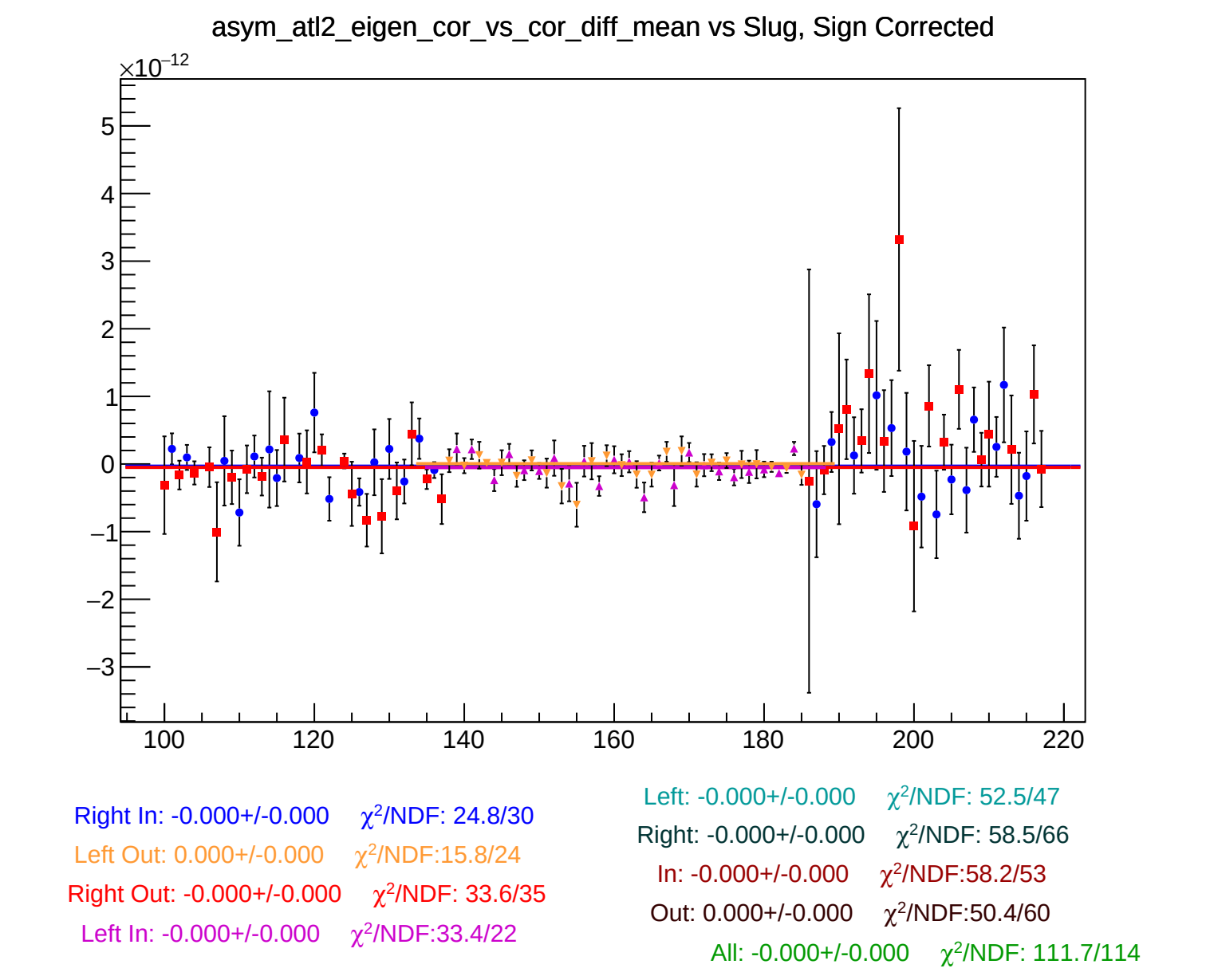
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

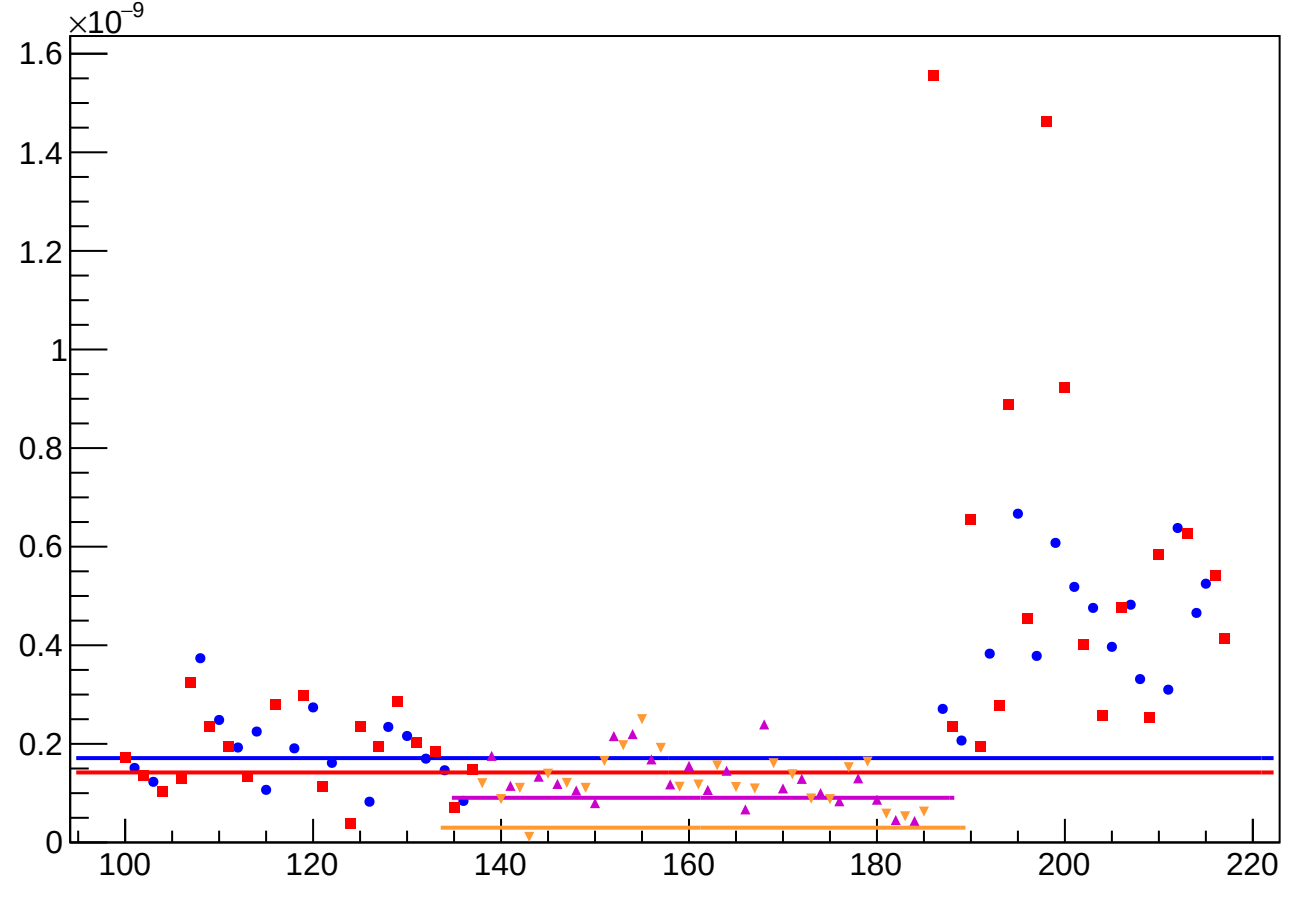
Right: 239.739+/-0.029 χ^2/NDF: 5649515.3/65

In: 302.011+/-0.040 χ^2/NDF:15986493.7/53

Out: 270.097+/-0.037 χ^2/NDF:19826184.8/58

All: 284.580+/-0.027 χ^2/NDF: 36155713.3/11


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 24.8/30
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.6/35
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: 58.5/66
In: -0.000+/-0.000 χ²/NDF:58.2/53
Out: 0.000+/-0.000 χ²/NDF:50.4/60
All: -0.000+/-0.000 χ²/NDF: 111.7/114



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: 10996932.0/35

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

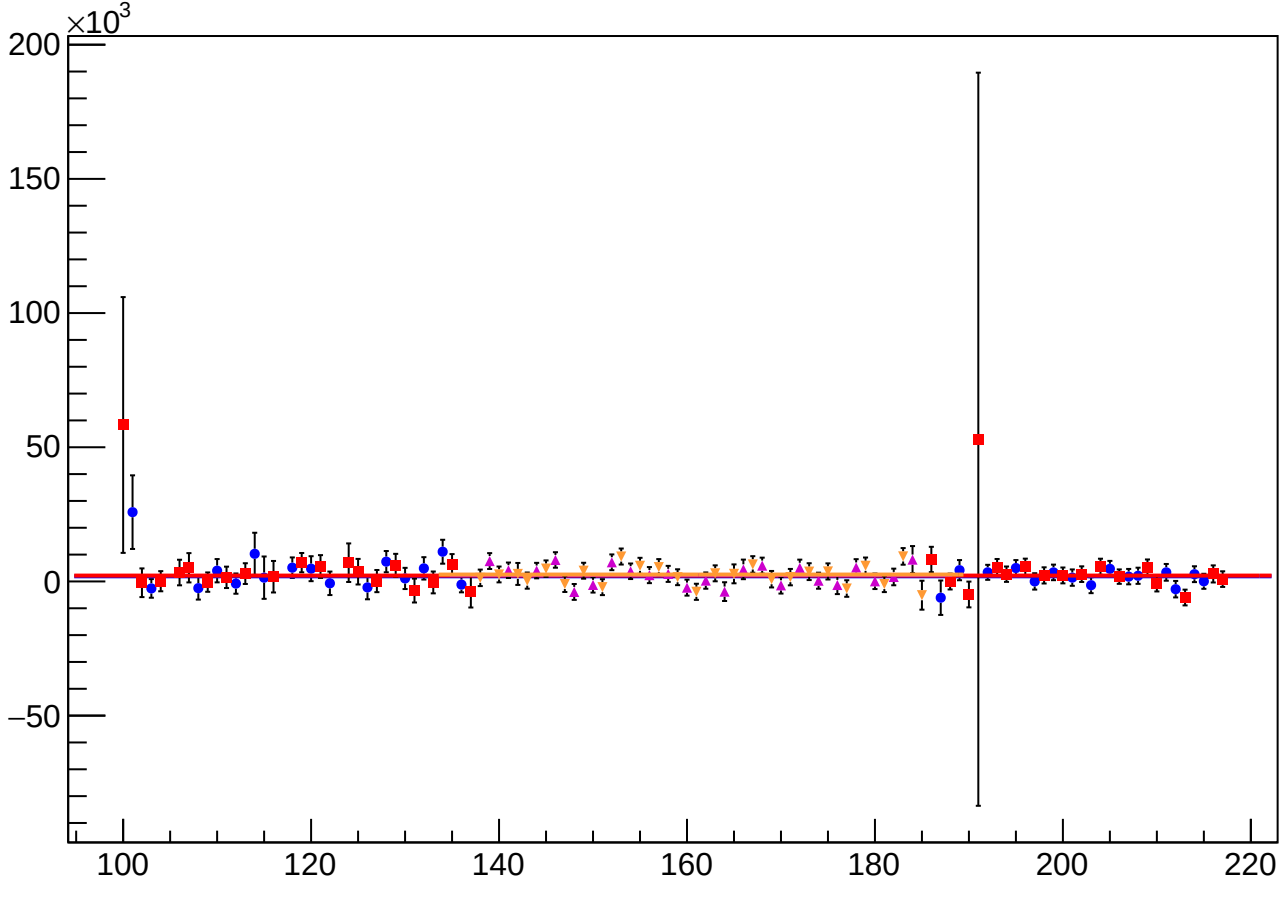
Right: 0.000+/-0.000 χ^2/NDF: 18500659.6/66

In: 0.000+/-0.000 χ^2/NDF:14772732.8/53

Out: 0.000+/-0.000 χ^2/NDF:36100320.7/60

All: 0.000+/-0.000 χ^2/NDF: 62001166.3/114

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: 2182.762+/-619.255 χ^2/NDF: 28.5/35

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

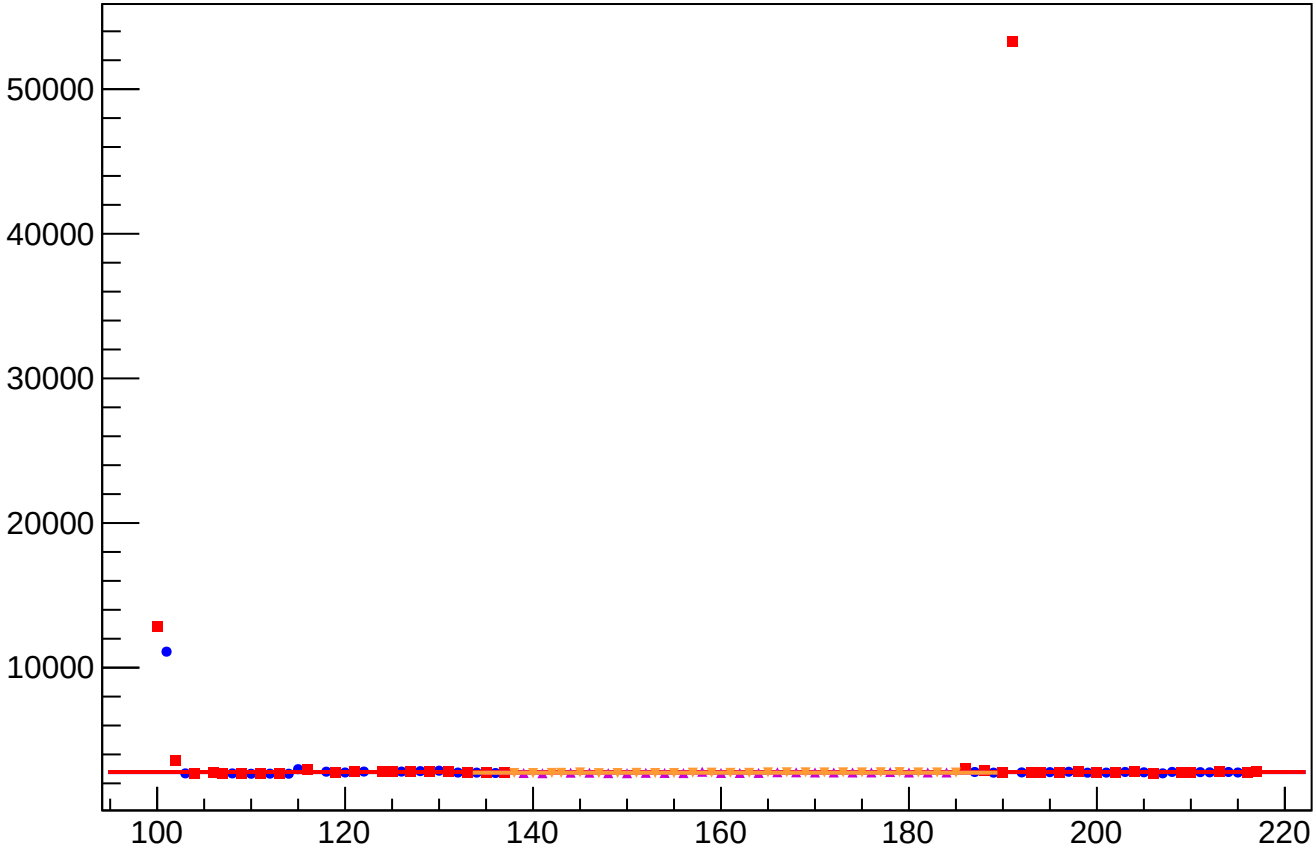
Right: 2049.899+/-444.496 χ^2/NDF: 55.7/66

In: 2157.990+/-451.887 χ^2/NDF:58.7/53

Out: 2369.019+/-438.787 χ^2/NDF:60.3/60

All: 2266.608+/-314.799 χ^2/NDF: 119.1/114

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: 2784.462+/-0.438 χ^2/NDF: 481906.7/35

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

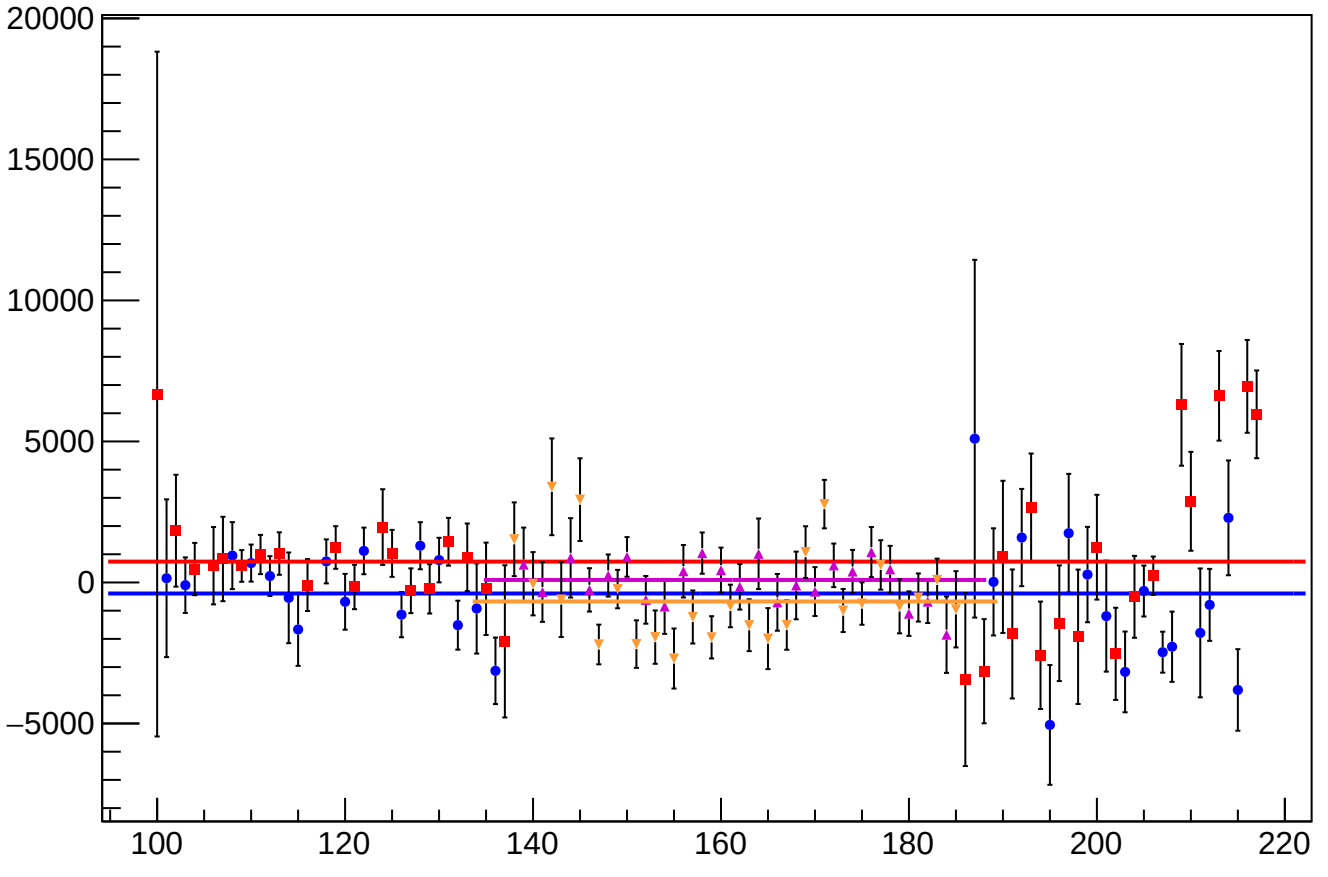
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2781.106+/-0.314 χ^2/NDF: 1232756.4/66

In: 2758.740+/-0.320 χ^2/NDF:757566.3/53

Out: 2761.088+/-0.310 χ^2/NDF:489947.0/60

All: 2759.949+/-0.223 χ^2/NDF: 1247541.1/11



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: 739.480+/-188.470 χ^2/NDF: 76.3/35

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

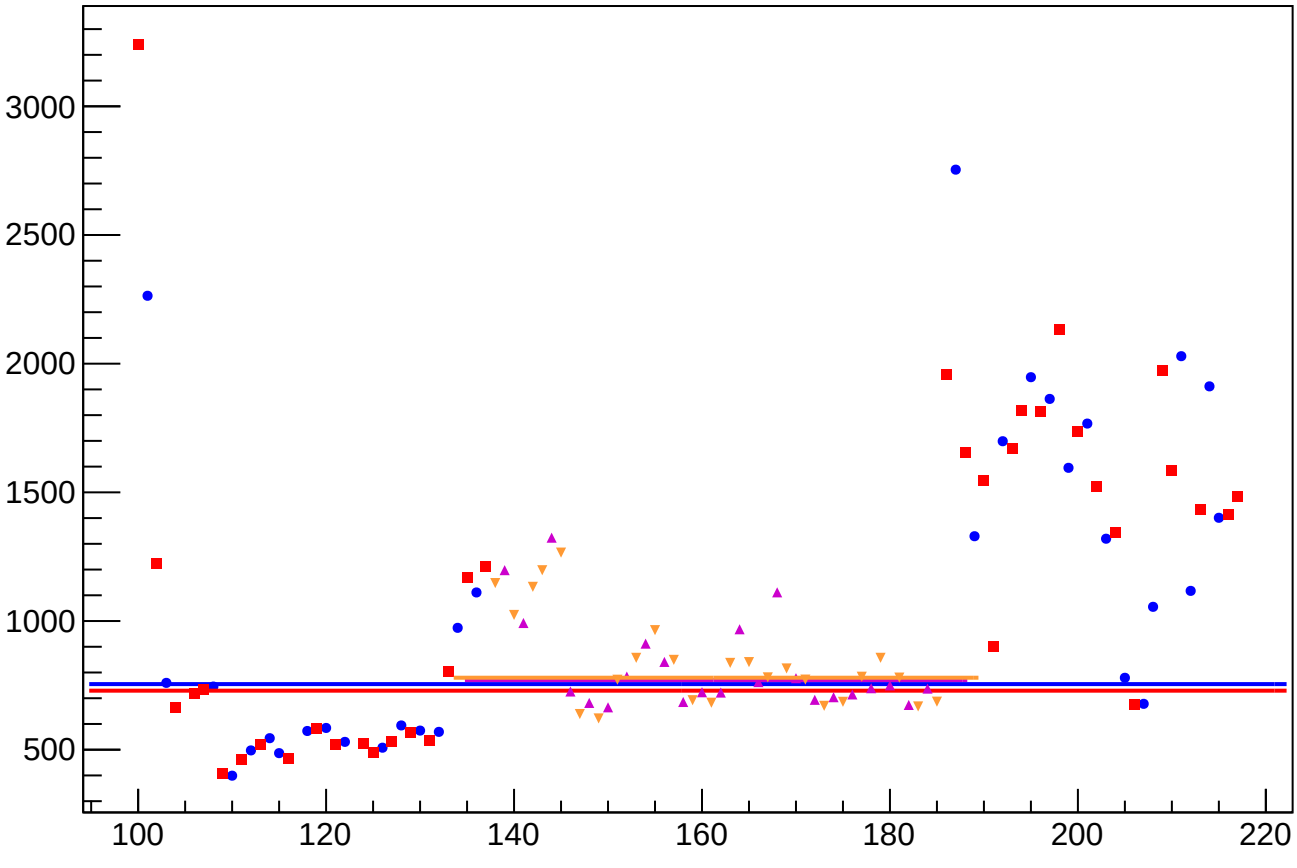
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 198.684+/-136.120 χ^2/NDF: 149.7/66

In: -133.942+/-134.209 χ^2/NDF:74.2/53

Out: 5.231+/-130.634 χ^2/NDF:163.8/60

All: -62.478+/-93.610 χ^2/NDF: 238.6/114



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: 729.387+/-0.133 χ^2/NDF: 9616638.7/35

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

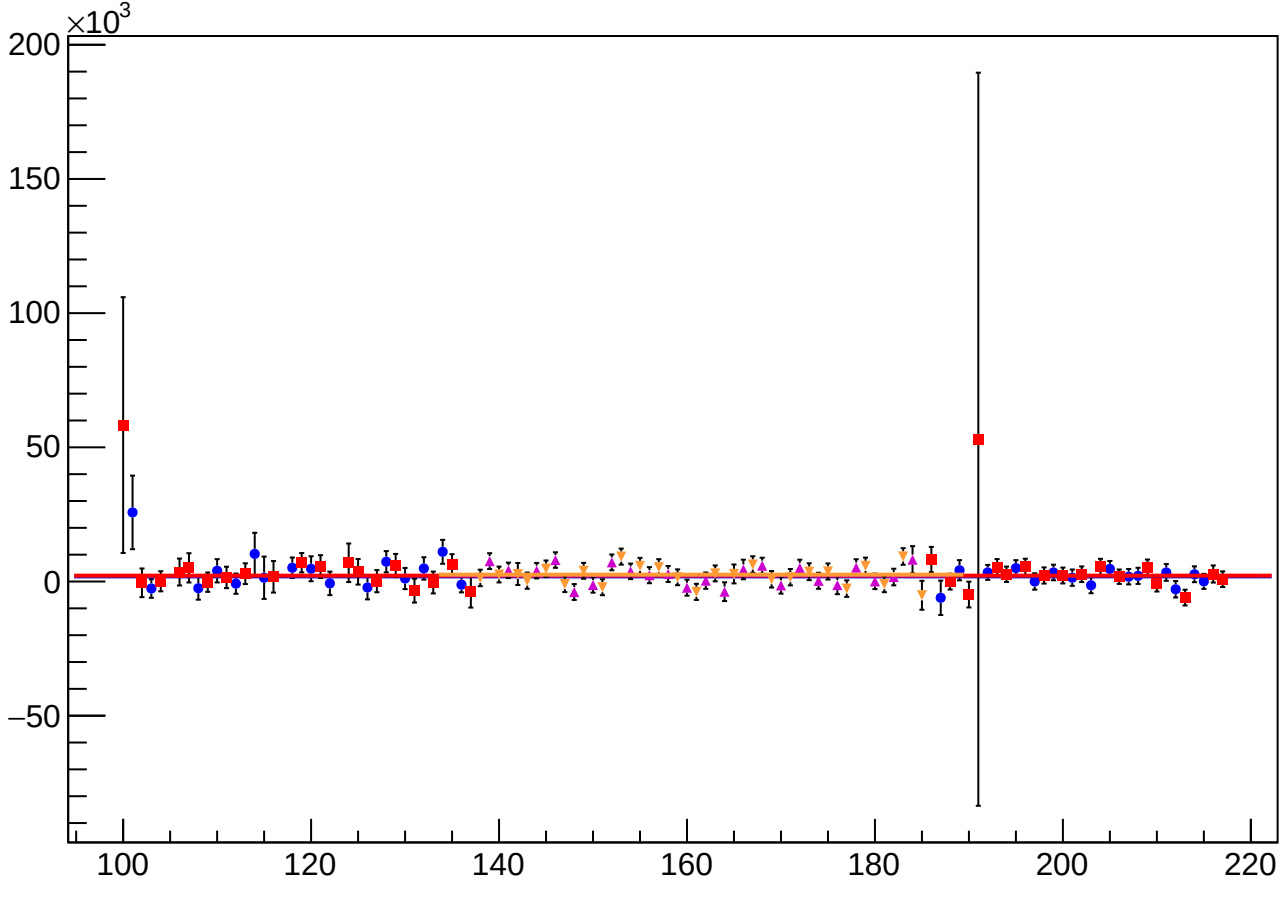
Right: 741.597+/-0.096 χ^2/NDF: 17658049.8/66

In: 763.409+/-0.095 χ^2/NDF:9107187.5/53

Out: 755.536+/-0.092 χ^2/NDF:10934479.8/60

All: 759.366+/-0.066 χ^2/NDF: 20045200.8/1

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: 2184.519+/-619.764 χ^2/NDF: 28.5/35

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

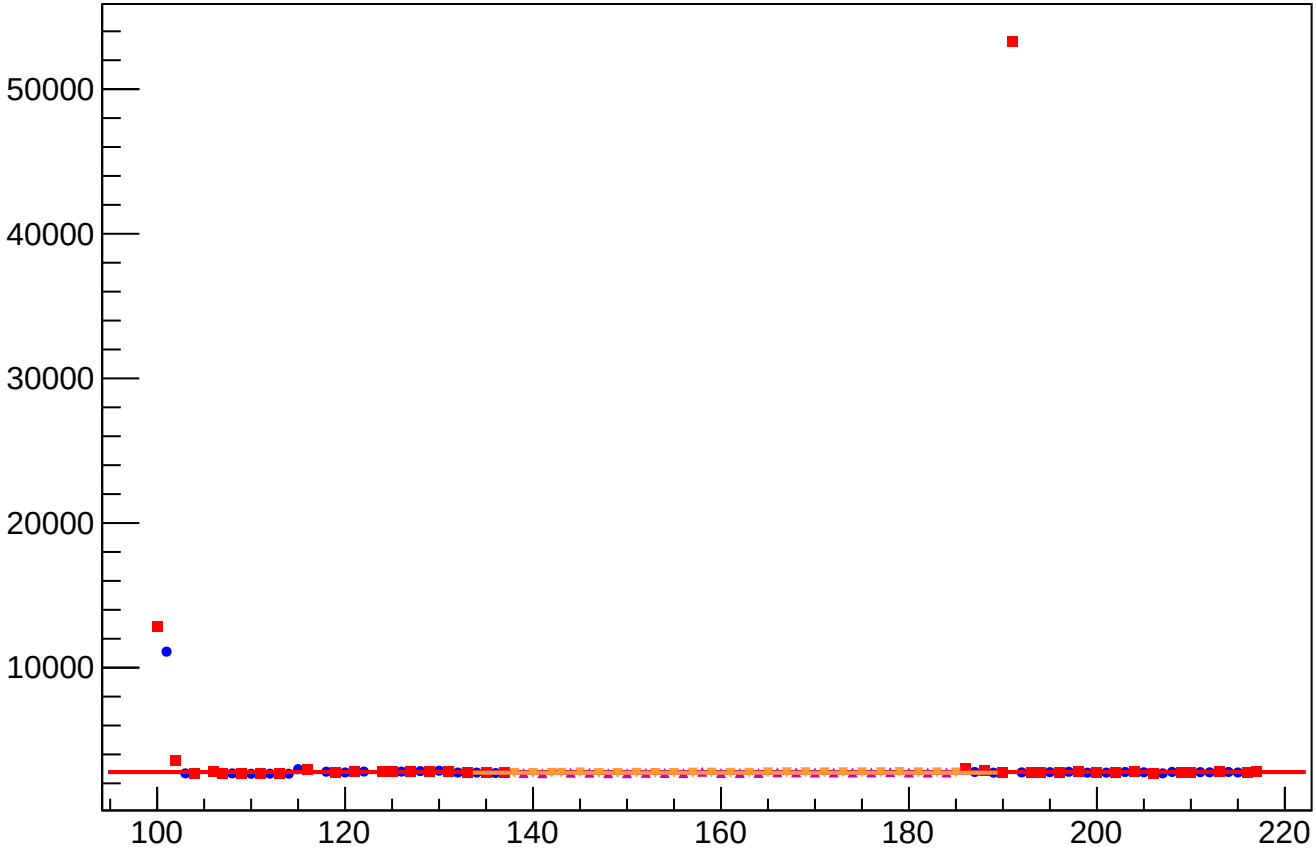
Right: 2050.540+/-444.684 χ^2/NDF: 55.7/66

In: 2157.904+/-451.887 χ^2/NDF:58.7/53

Out: 2370.034+/-438.968 χ^2/NDF:60.3/60

All: 2267.045+/-314.866 χ^2/NDF: 119.1/114

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: 2786.358+/-0.438 χ^2/NDF: 481773.0/35

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

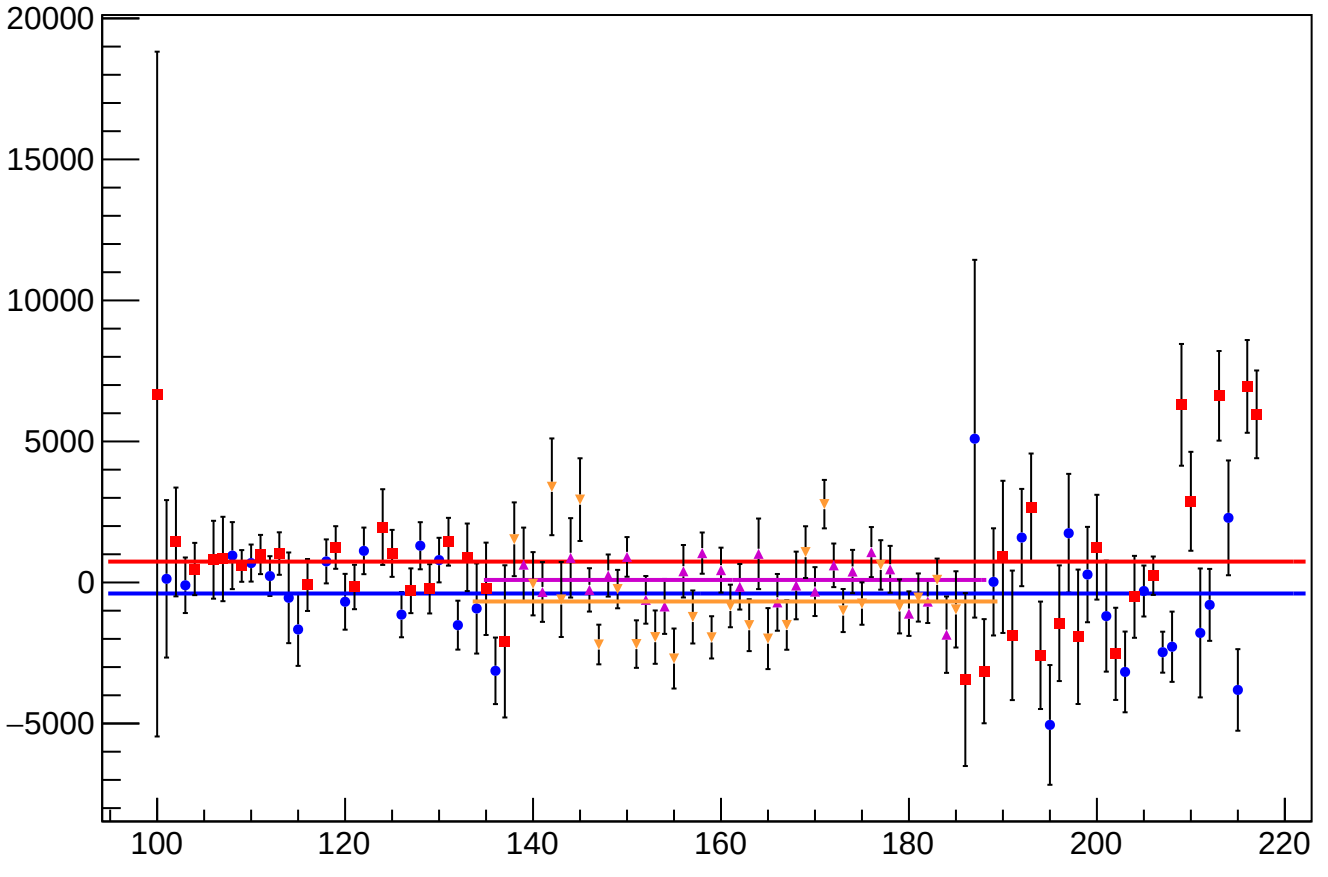
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.080+/-0.314 χ^2/NDF: 1232697.2/66

In: 2758.740+/-0.320 χ^2/NDF:757565.4/53

Out: 2762.020+/-0.310 χ^2/NDF:490279.9/60

All: 2760.428+/-0.223 χ^2/NDF: 1247899.5/11



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: 740.130+/-188.445 χ^2/NDF: 76.1/35

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

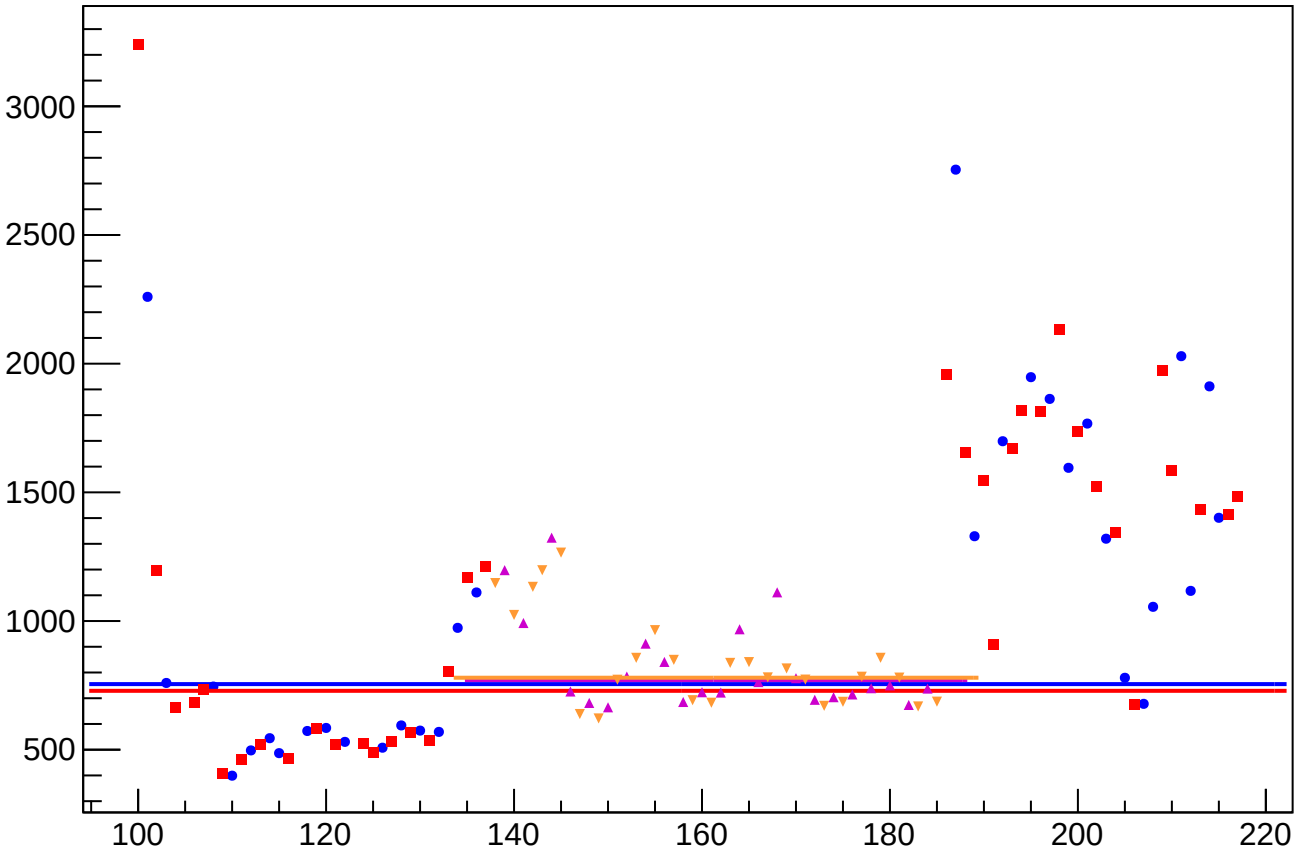
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 199.088+/-136.108 χ^2/NDF: 149.6/66

In: -133.877+/-134.207 χ^2/NDF:74.2/53

Out: 5.682+/-130.625 χ^2/NDF:163.7/60

All: -62.211+/-93.607 χ^2/NDF: 238.5/114



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: 728.801+/-0.133 χ^2/NDF: 9614061.0/35

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

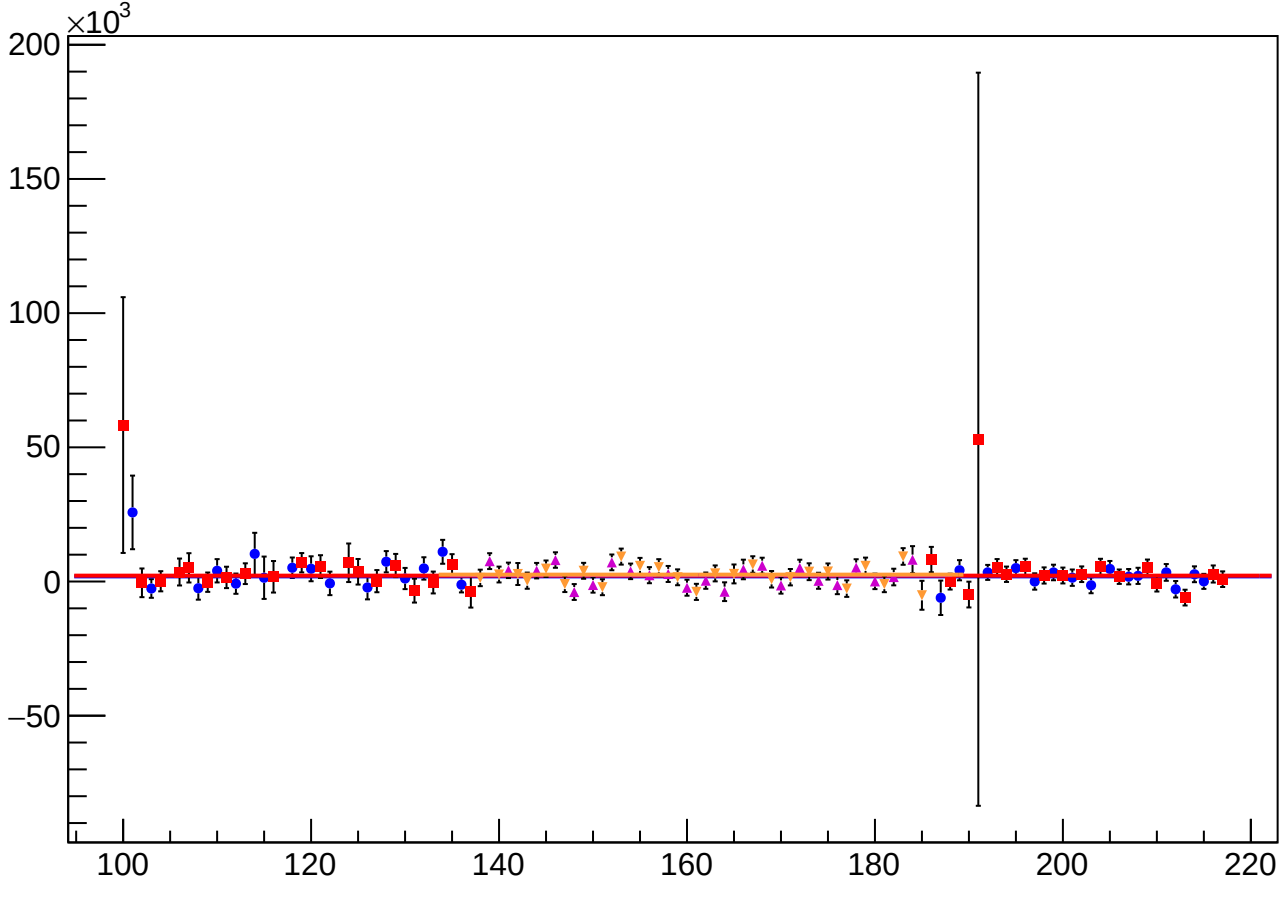
Right: 741.284+/-0.096 χ^2/NDF: 17655450.8/66

In: 763.404+/-0.095 χ^2/NDF:9106317.3/53

Out: 755.250+/-0.092 χ^2/NDF:10933670.5/60

All: 759.217+/-0.066 χ^2/NDF: 20043779.2/1

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1908.381+/-638.406 χ^2/NDF: 27.1/30

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2184.519+/-619.764 χ^2/NDF: 28.5/35

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

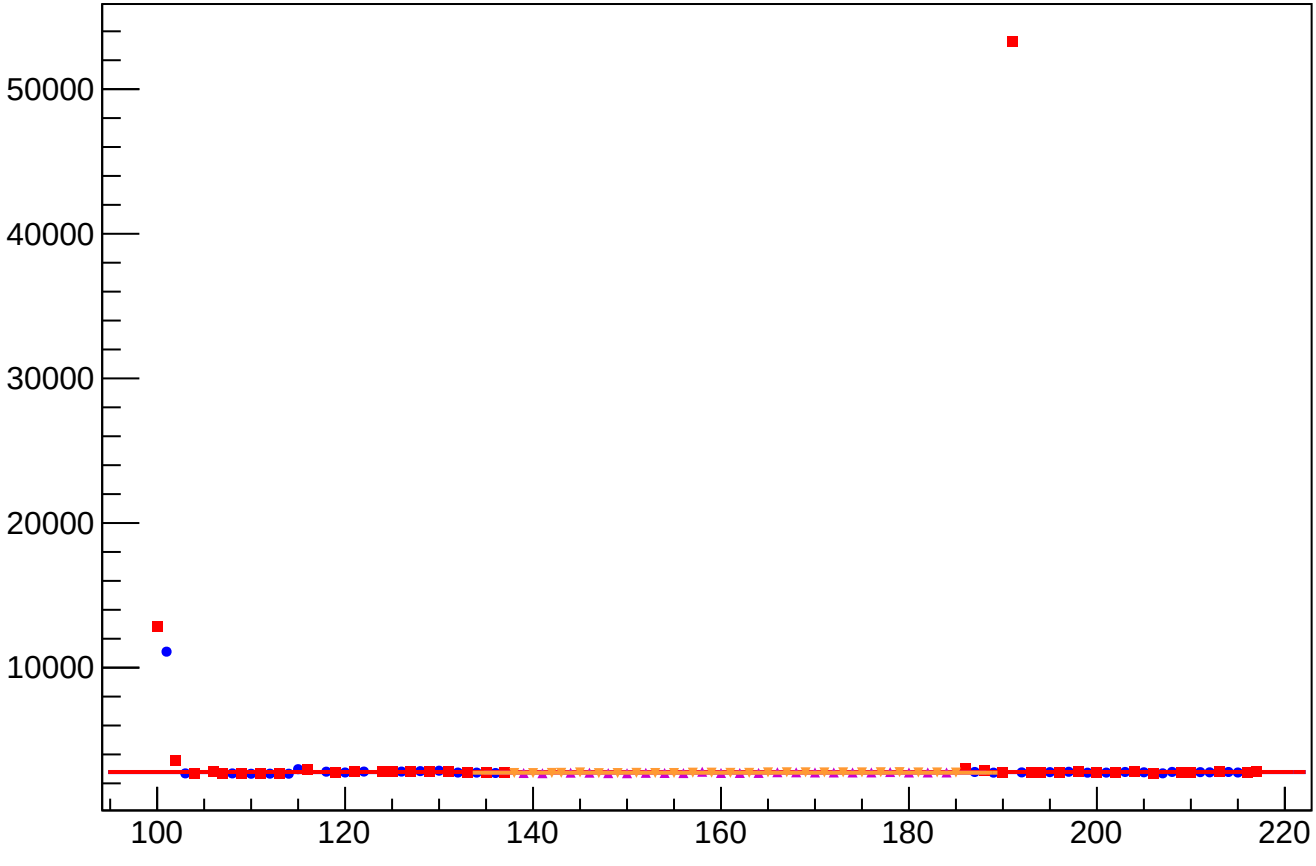
Right: 2050.540+/-444.684 χ^2/NDF: 55.7/66

In: 2157.904+/-451.887 χ^2/NDF:58.7/53

Out: 2370.034+/-438.968 χ^2/NDF:60.3/60

All: 2267.045+/-314.866 χ^2/NDF: 119.1/114

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: 2786.358+/-0.438 χ^2/NDF: 481773.0/35

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

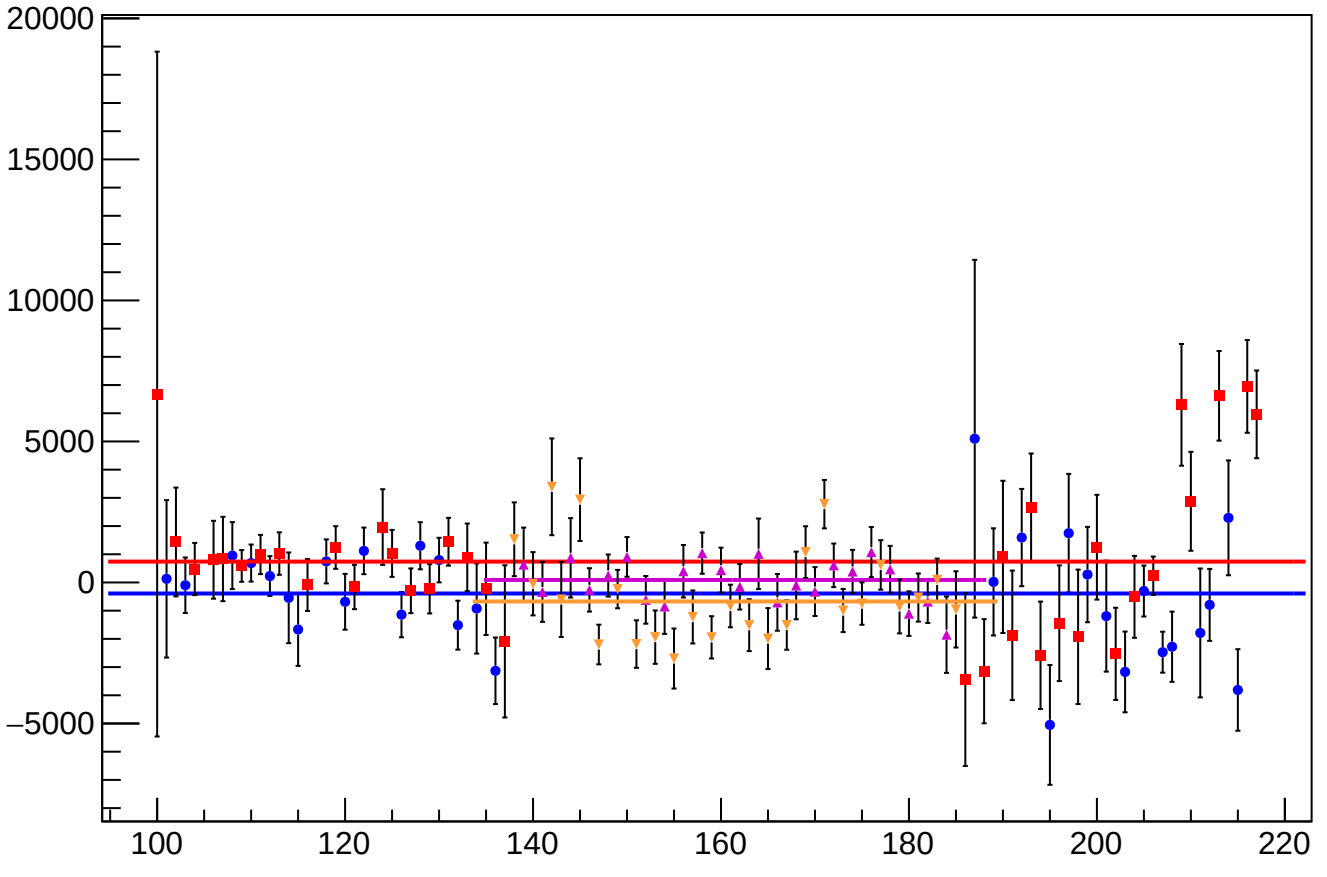
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.080+/-0.314 χ^2/NDF: 1232697.2/66

In: 2758.740+/-0.320 χ^2/NDF:757565.4/53

Out: 2762.020+/-0.310 χ^2/NDF:490279.9/60

All: 2760.428+/-0.223 χ^2/NDF: 1247899.5/11



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: 740.130+/-188.445 χ^2/NDF: 76.1/35

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

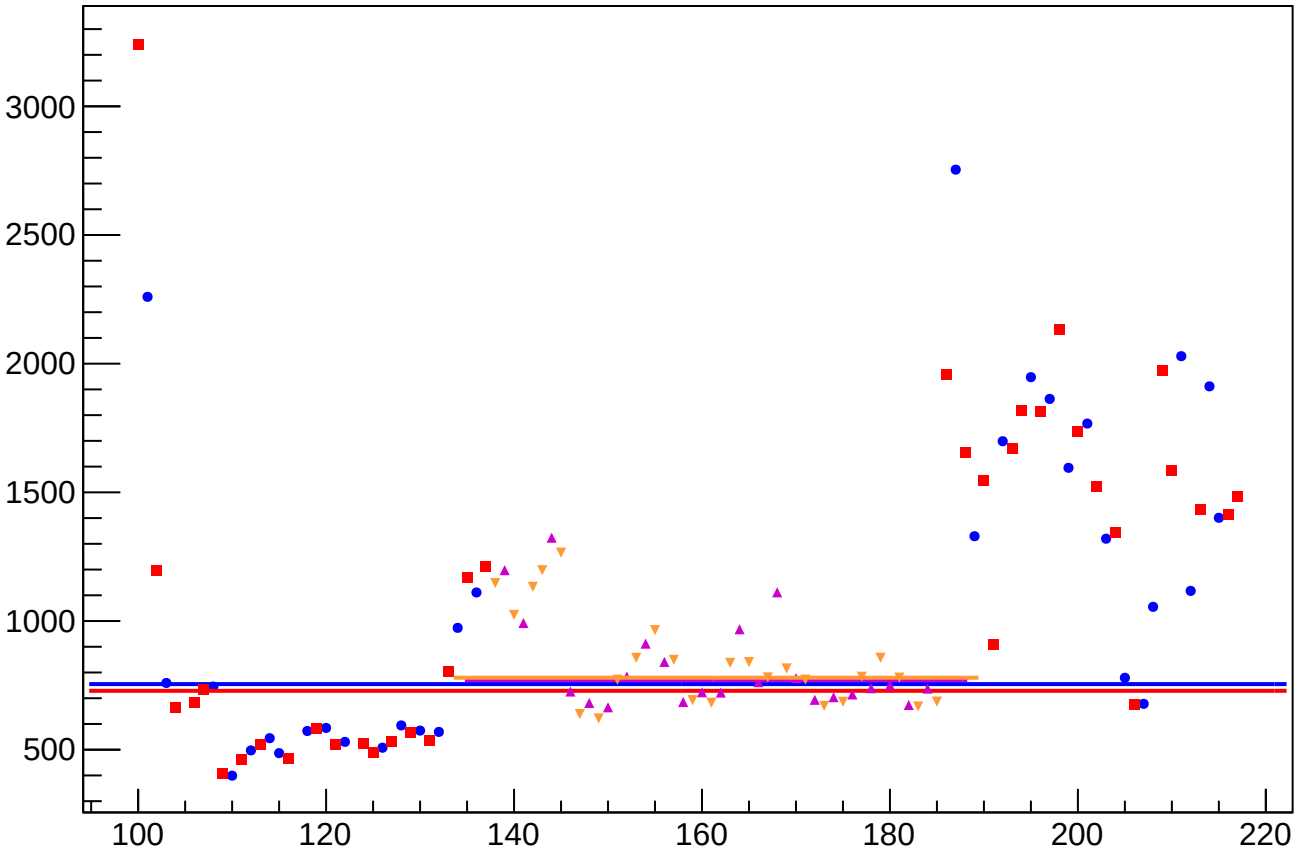
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 199.088+/-136.108 χ^2/NDF: 149.6/66

In: -133.877+/-134.207 χ^2/NDF:74.2/53

Out: 5.682+/-130.625 χ^2/NDF:163.7/60

All: -62.211+/-93.607 χ^2/NDF: 238.5/114



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: 728.801+/-0.133 χ^2/NDF: 9614061.0/35

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

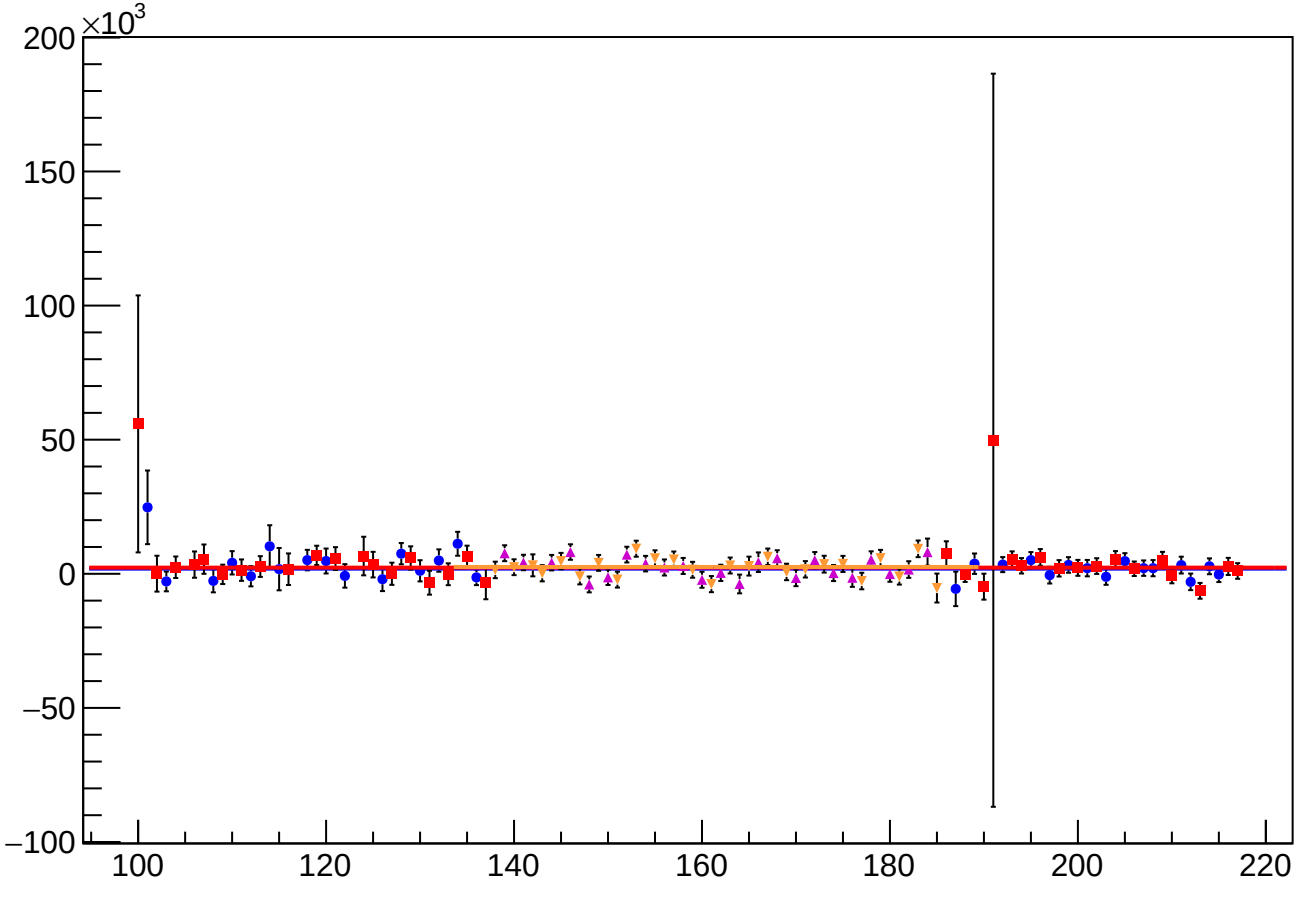
Right: 741.284+/-0.096 χ^2/NDF: 17655450.8/66

In: 763.404+/-0.095 χ^2/NDF:9106317.3/53

Out: 755.250+/-0.092 χ^2/NDF:10933670.5/60

All: 759.217+/-0.066 χ^2/NDF: 20043779.2/1

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: 2295.634+/-624.183 χ^2/NDF: 28.3/35

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

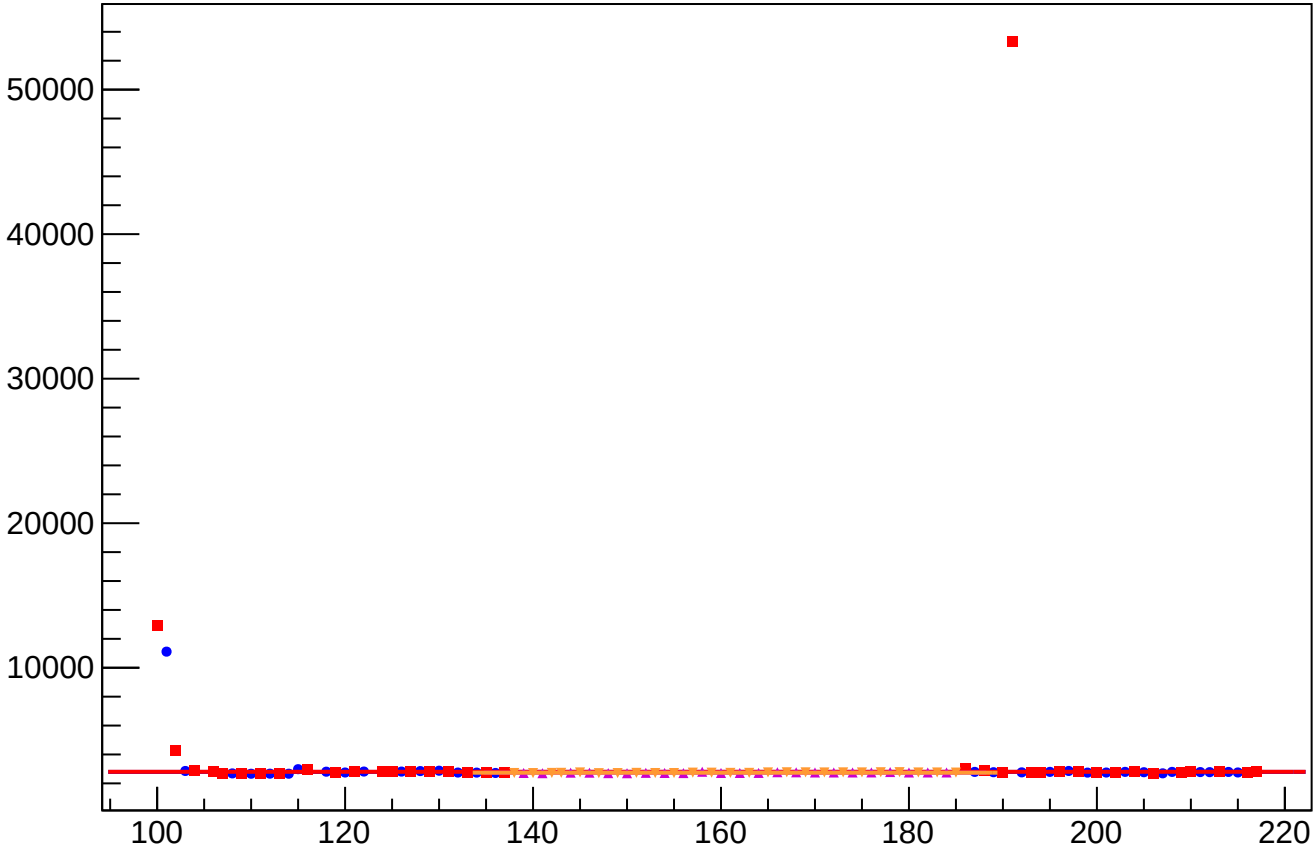
Right: 2117.286+/-447.400 χ^2/NDF: 55.6/66

In: 2168.418+/-453.148 χ^2/NDF:59.2/53

Out: 2420.729+/-440.674 χ^2/NDF:60.2/60

All: 2298.094+/-315.922 χ^2/NDF: 119.6/114

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: 2801.326+/-0.441 χ^2/NDF: 535660.1/35

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

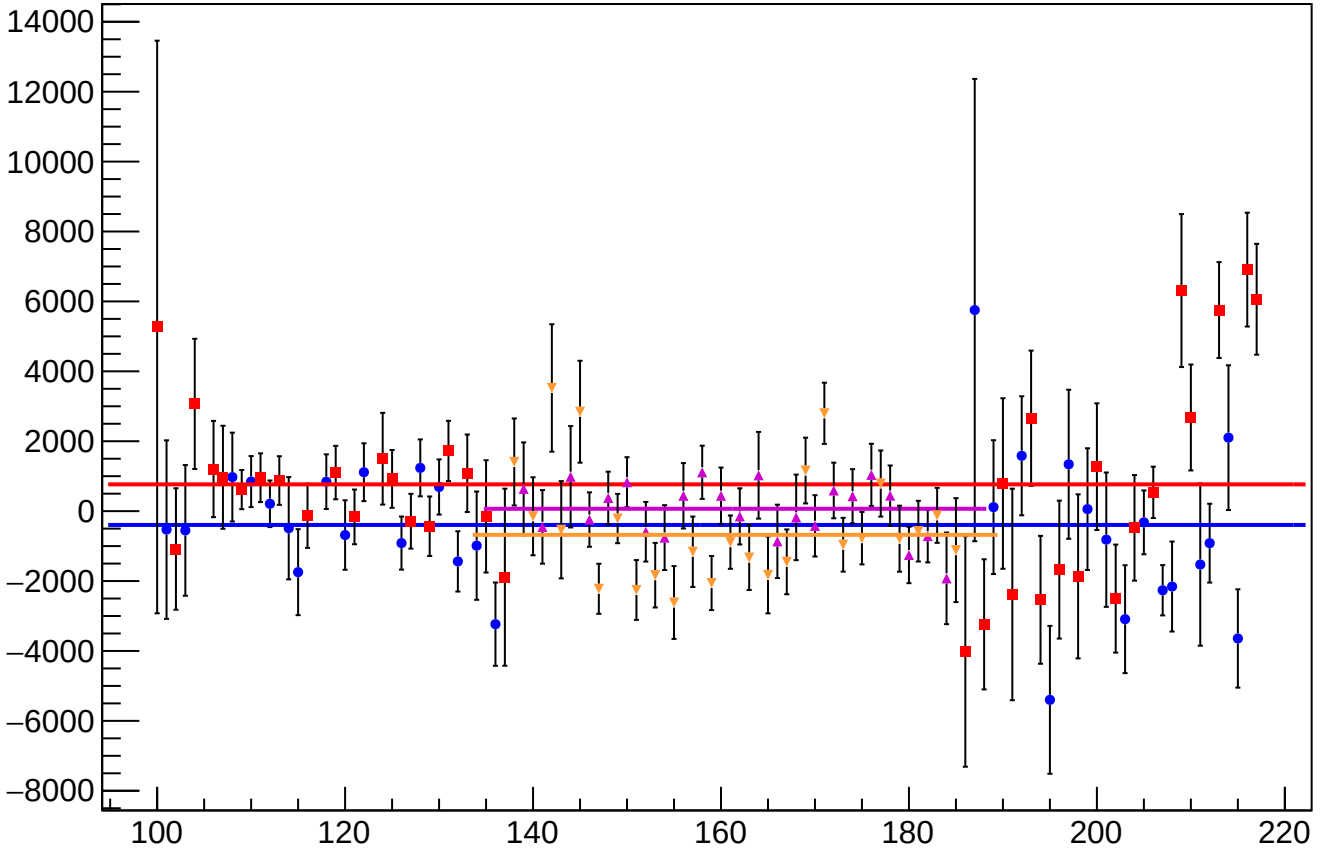
Right: 2796.476+/-0.316 χ^2/NDF: 1286444.0/66

In: 2766.311+/-0.320 χ^2/NDF:759982.8/53

Out: 2770.218+/-0.312 χ^2/NDF:547886.7/60

All: 2768.319+/-0.223 χ^2/NDF: 1307945.9/11

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: 766.107+/-189.505 χ^2/NDF: 79.5/35

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

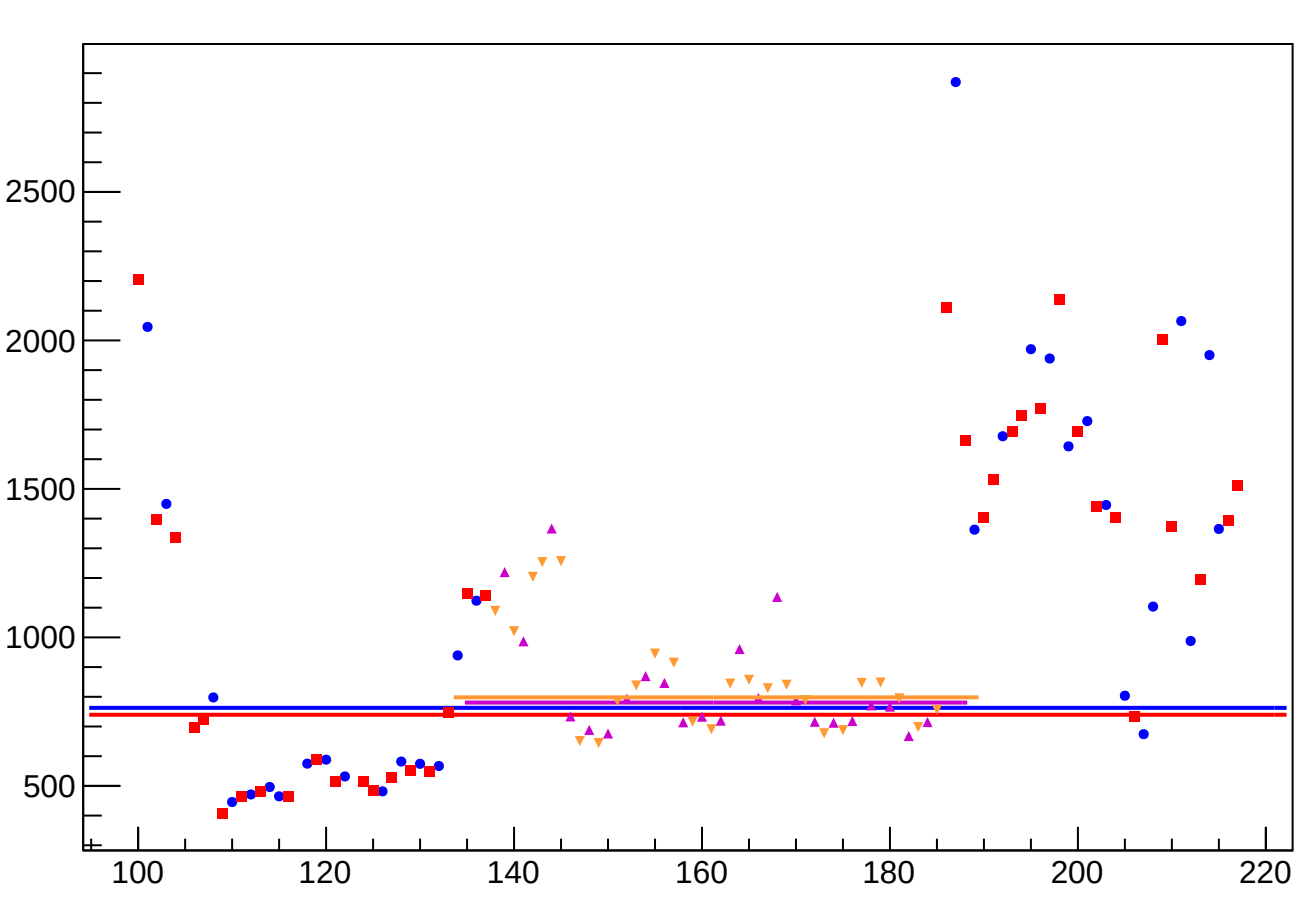
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 213.460+/-137.191 χ^2/NDF: 150.6/66

In: -147.858+/-135.623 χ^2/NDF:72.0/53

Out: 26.585+/-132.380 χ^2/NDF:165.4/60

All: -58.526+/-94.733 χ^2/NDF: 238.2/114



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: 739.513+/-0.134 χ^2/NDF: 9897591.4/35

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

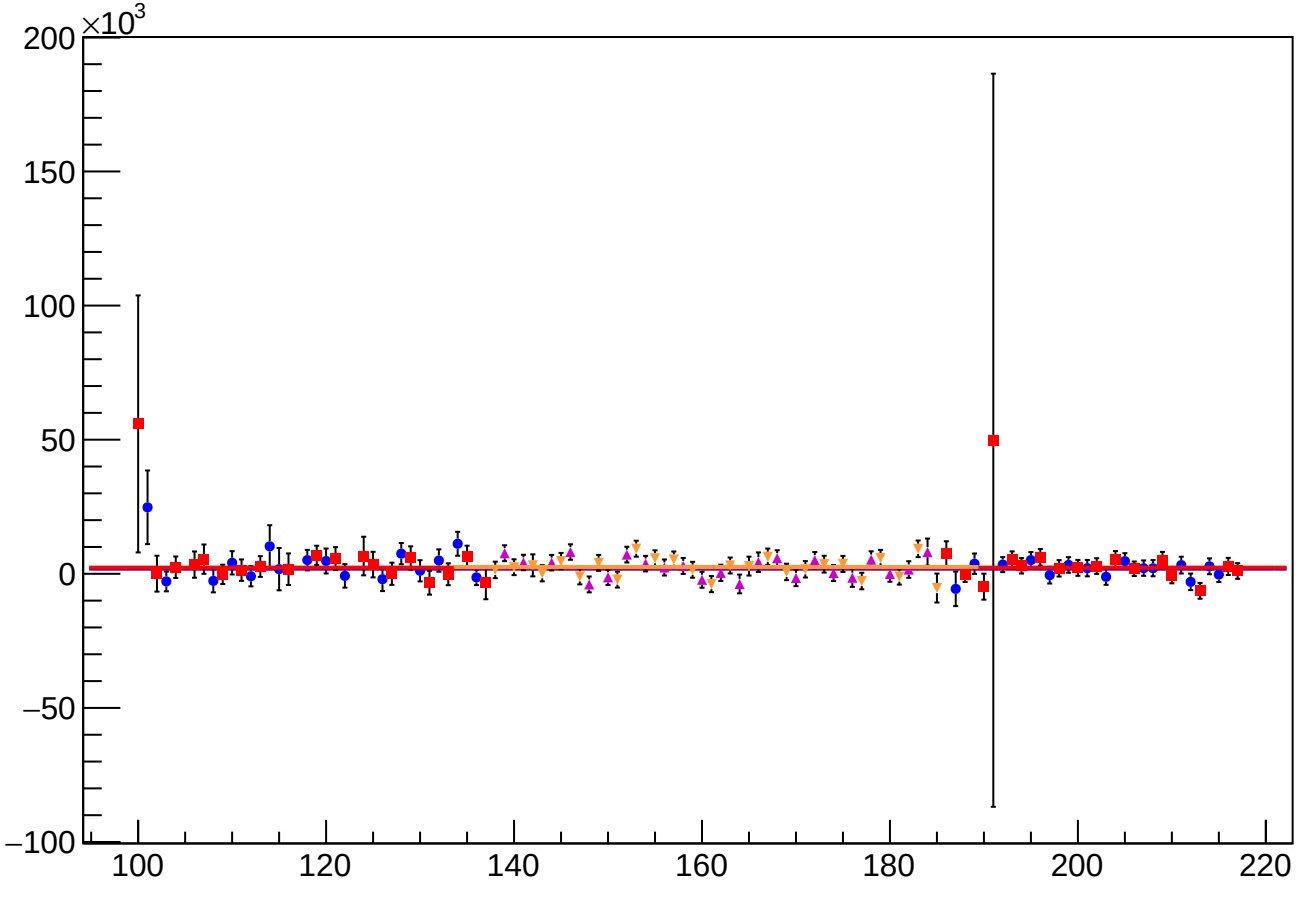
Right: 750.585+/-0.097 χ^2/NDF: 18318543.0/66

In: 772.272+/-0.096 χ^2/NDF:9479950.3/53

Out: 769.506+/-0.094 χ^2/NDF:11163791.5/60

All: 770.855+/-0.067 χ^2/NDF: 20644167.9/1

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: 2295.632+/-624.183 χ^2/NDF: 28.3/35

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

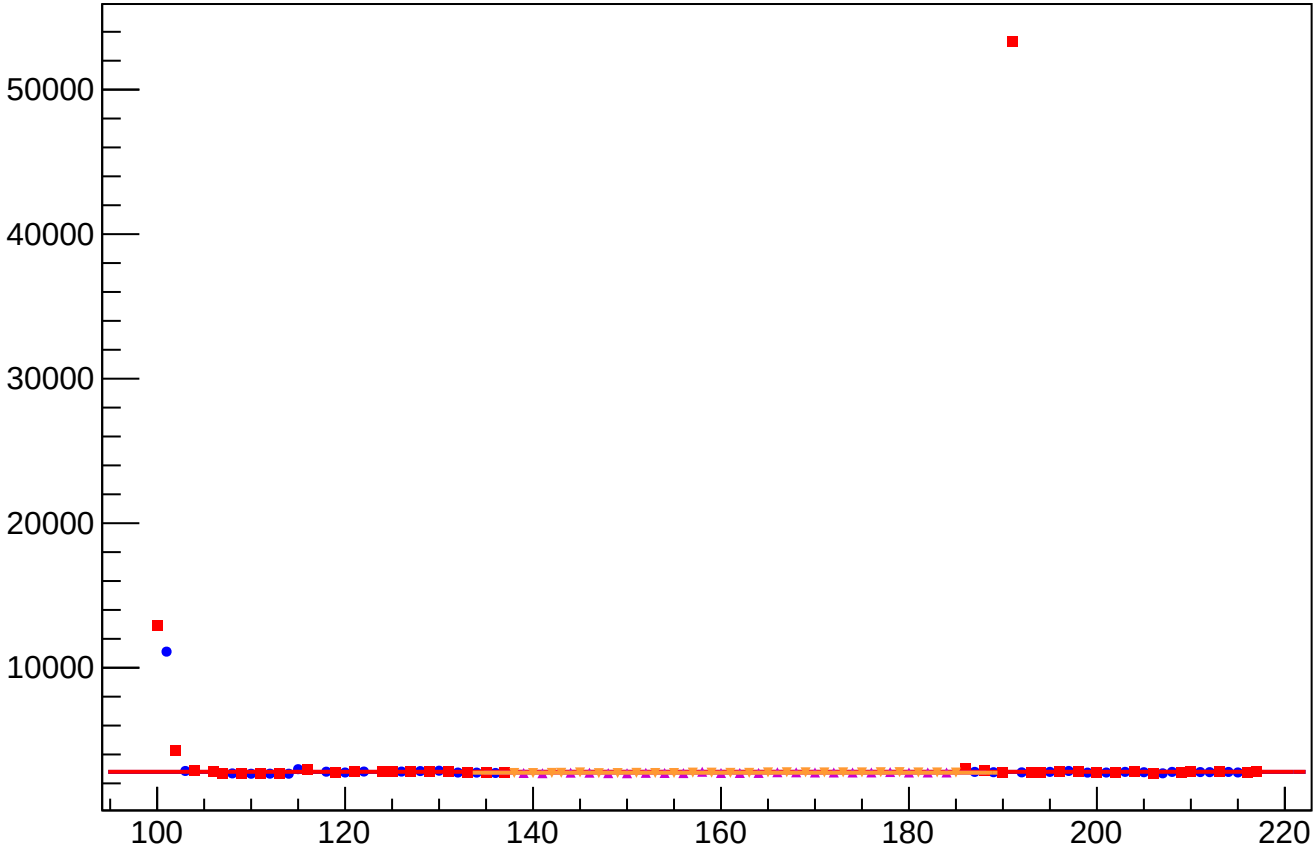
Right: 2117.285+/-447.400 χ^2/NDF: 55.6/66

In: 2168.418+/-453.148 χ^2/NDF:59.2/53

Out: 2420.728+/-440.674 χ^2/NDF:60.2/60

All: 2298.094+/-315.922 χ^2/NDF: 119.6/114

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: 2801.326+/-0.441 χ^2/NDF: 535659.9/35

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

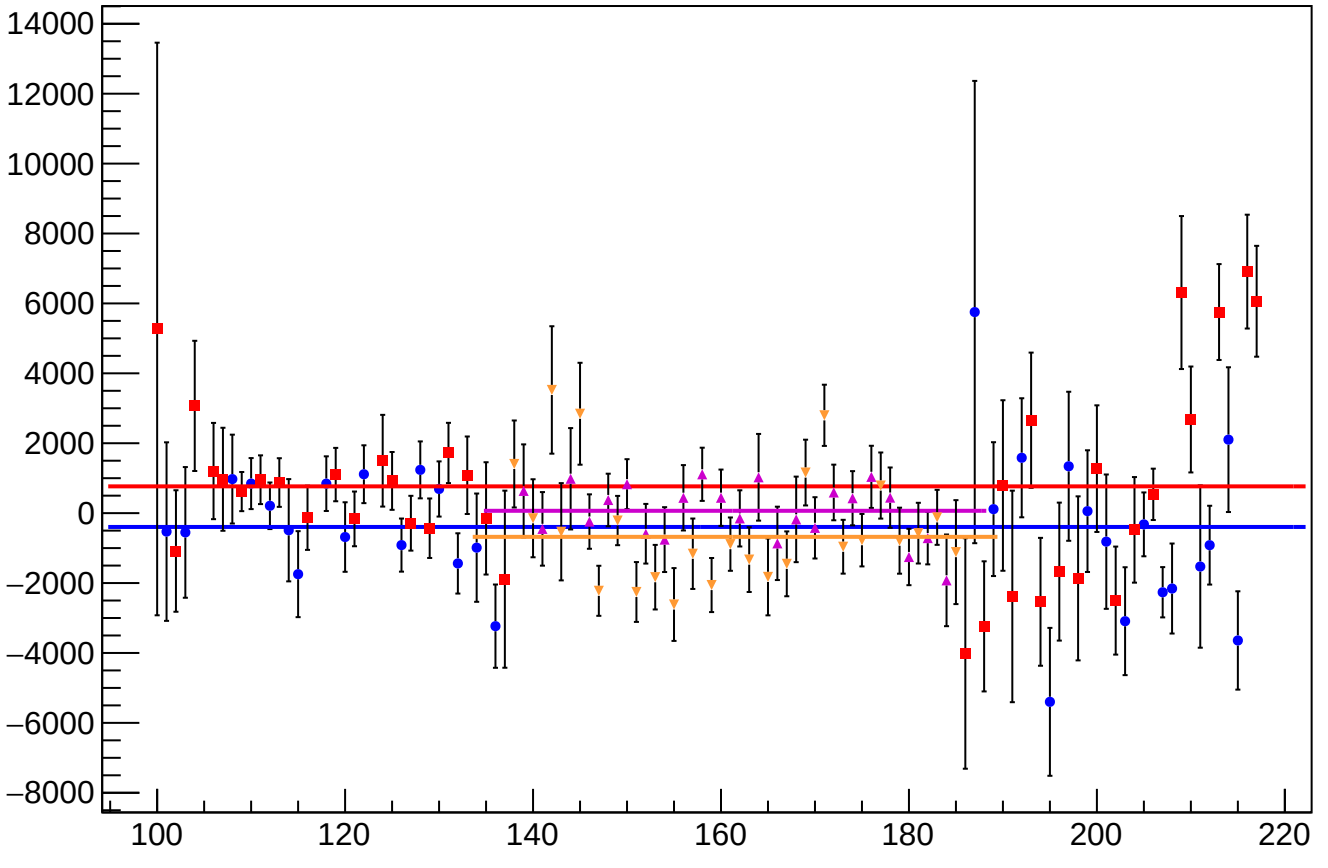
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2796.476+/-0.316 χ^2/NDF: 1286443.7/66

In: 2766.311+/-0.320 χ^2/NDF:759982.7/53

Out: 2770.218+/-0.312 χ^2/NDF:547886.5/60

All: 2768.319+/-0.223 χ^2/NDF: 1307945.6/11



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: 766.106+/-189.505 χ^2/NDF: 79.5/35

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

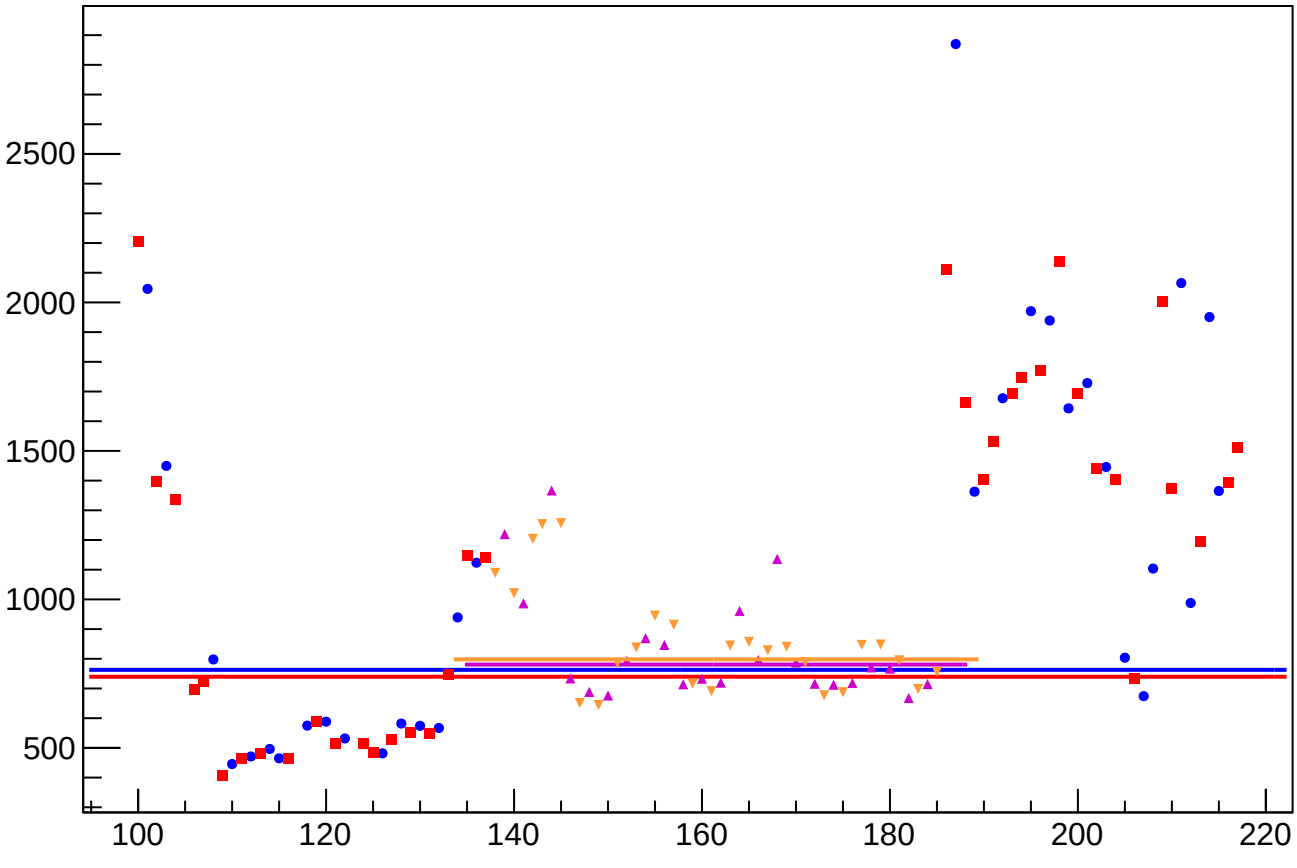
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 213.460+/-137.191 χ^2/NDF: 150.6/66

In: -147.858+/-135.623 χ^2/NDF:72.0/53

Out: 26.584+/-132.380 χ^2/NDF:165.4/60

All: -58.526+/-94.733 χ^2/NDF: 238.2/114



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: 739.513+/-0.134 χ^2/NDF: 9897601.5/35

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

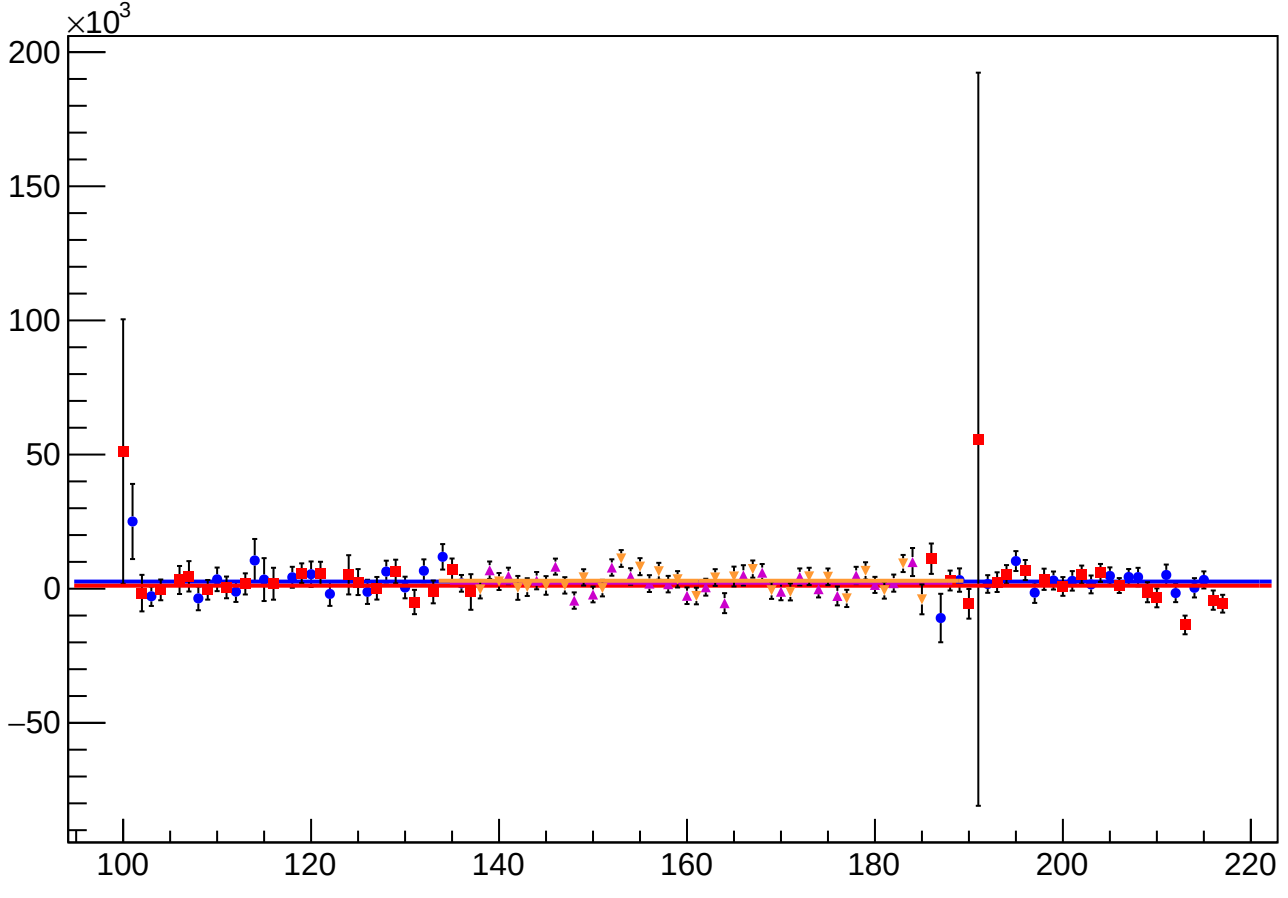
Right: 750.586+/-0.097 χ^2/NDF: 18318552.4/66

In: 772.272+/-0.096 χ^2/NDF:9479951.7/53

Out: 769.506+/-0.094 χ^2/NDF:11163803.1/60

All: 770.856+/-0.067 χ^2/NDF: 20644180.8/11

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: 1122.011+/-692.289 χ^2/NDF: 50.0/35

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

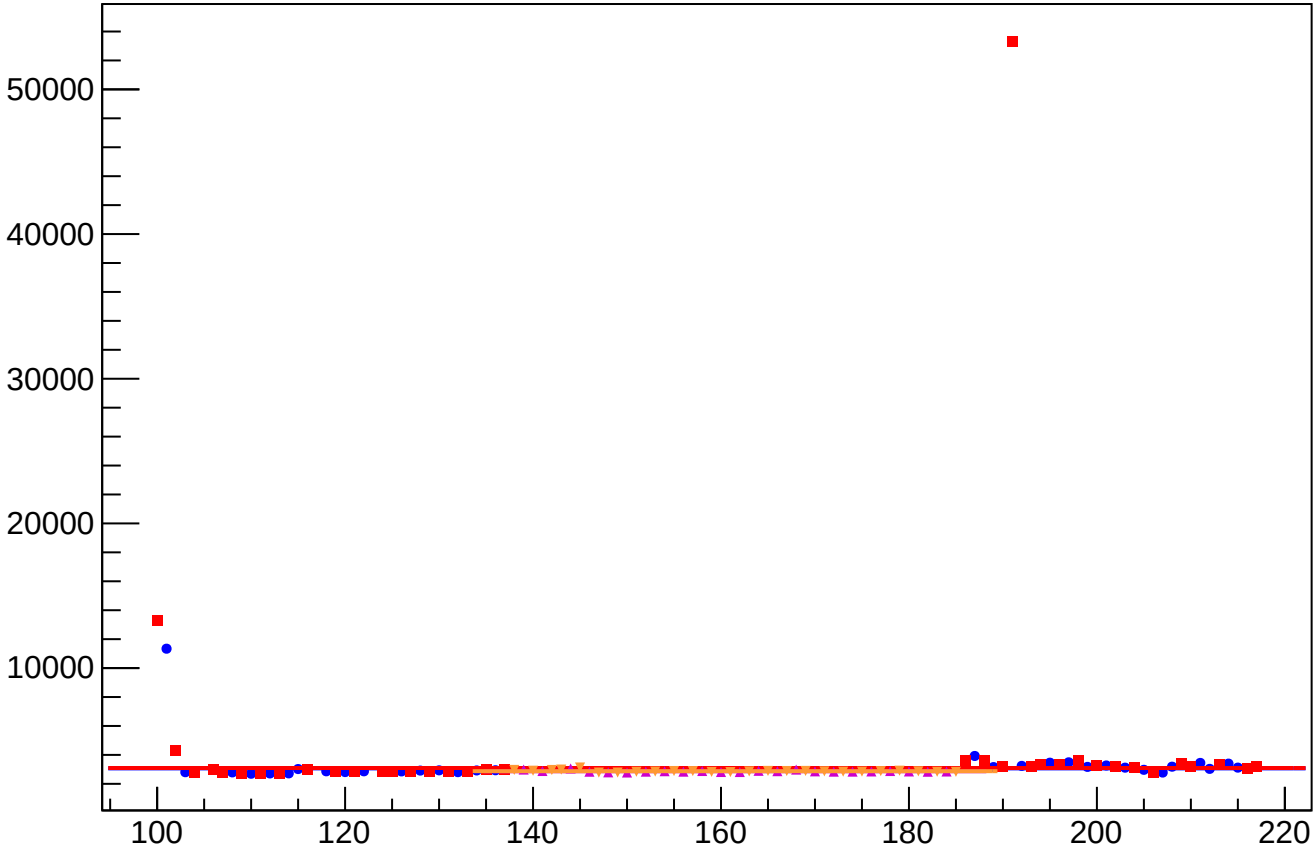
Right: 1871.102+/-494.821 χ^2/NDF: 80.7/66

In: 2434.287+/-486.612 χ^2/NDF:62.3/53

Out: 2099.176+/-475.133 χ^2/NDF:89.5/60

All: 2262.733+/-339.956 χ^2/NDF: 152.1/114

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: 3093.593+/-0.490 χ^2/NDF: 762990.3/35

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

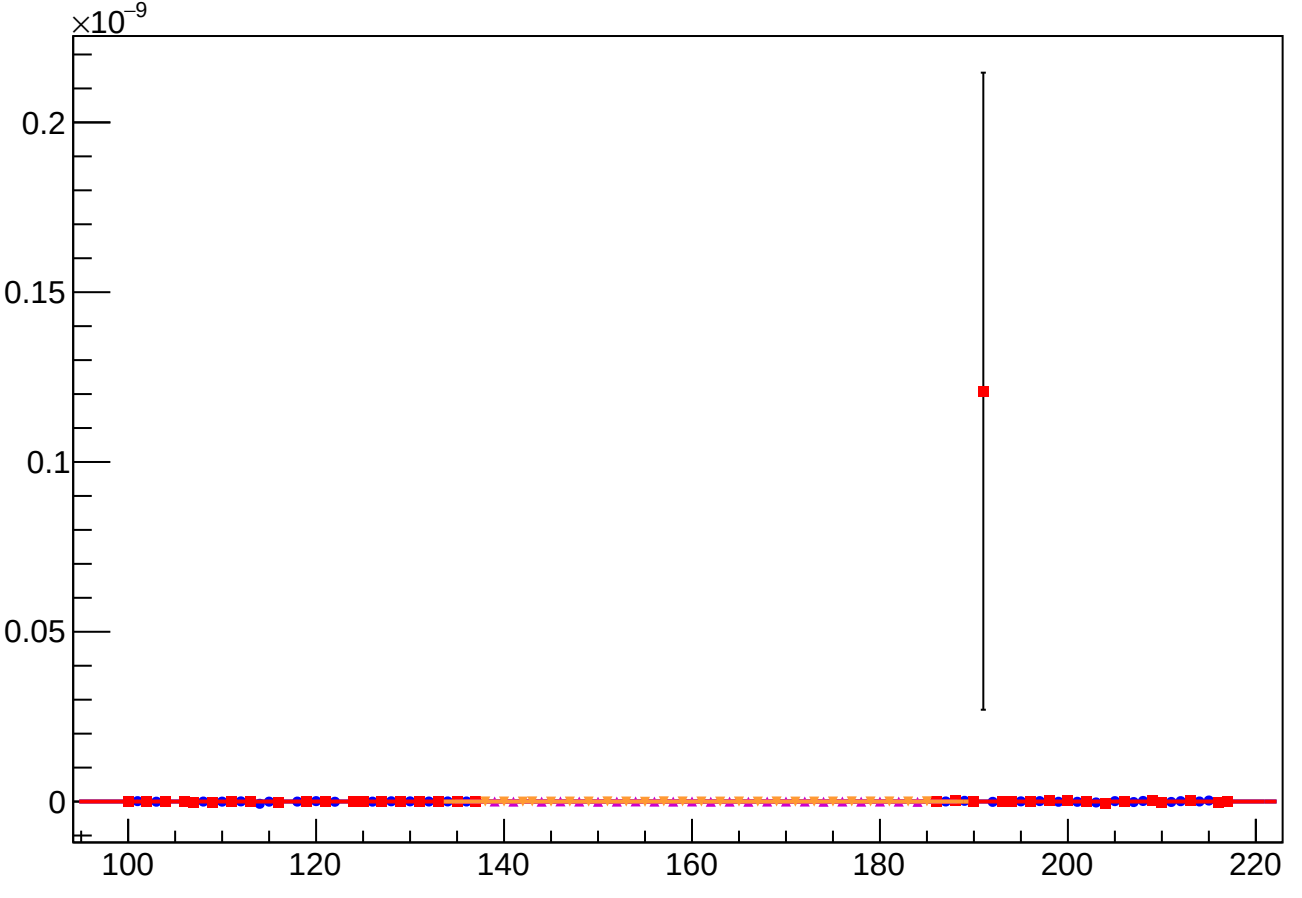
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3081.095+/-0.350 χ^2/NDF: 1691322.9/66

In: 2963.758+/-0.344 χ^2/NDF:1027134.6/53

Out: 2977.931+/-0.336 χ^2/NDF:890319.5/60

All: 2971.014+/-0.240 χ^2/NDF: 1918322.6/11



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: 45.7/35

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

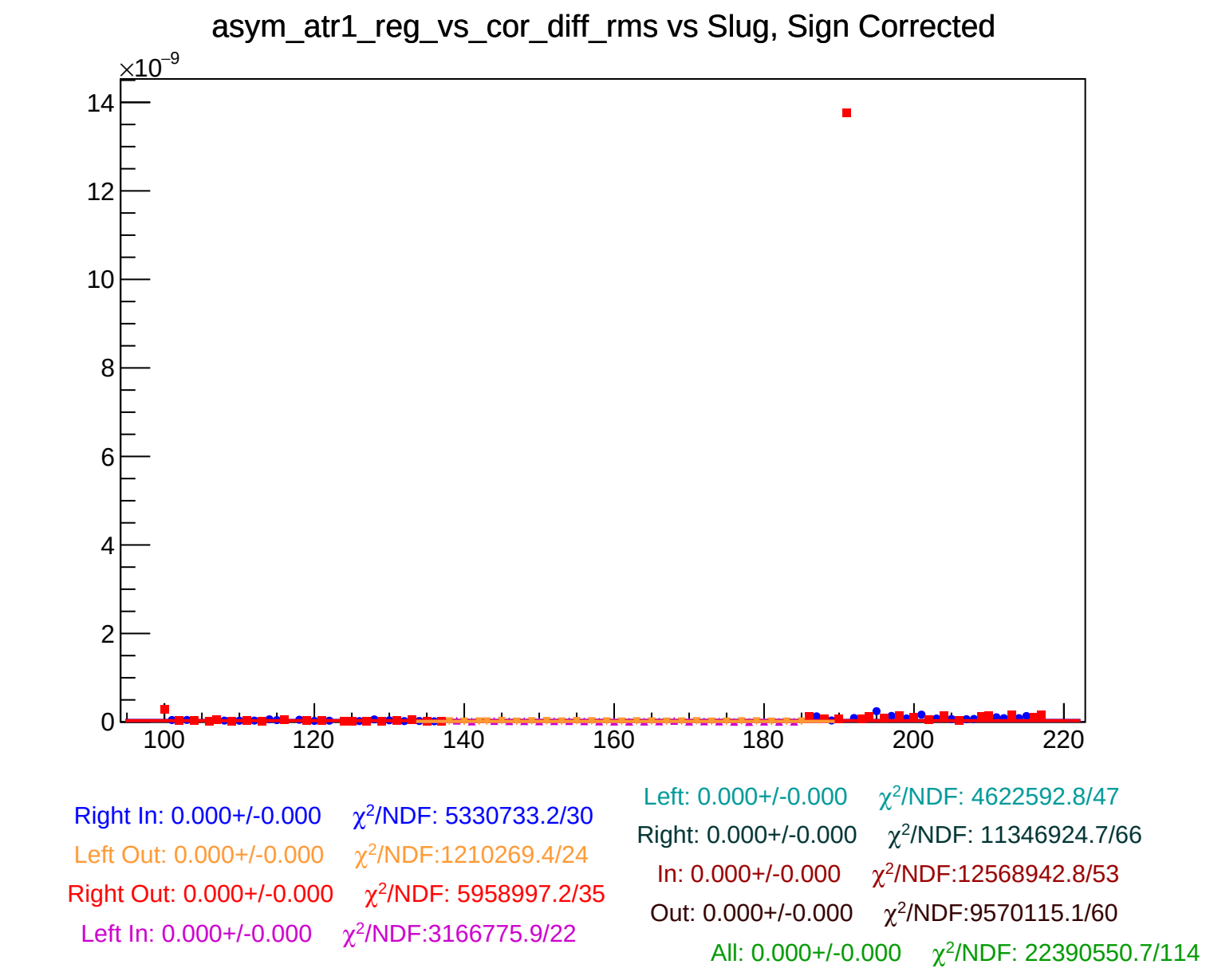
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

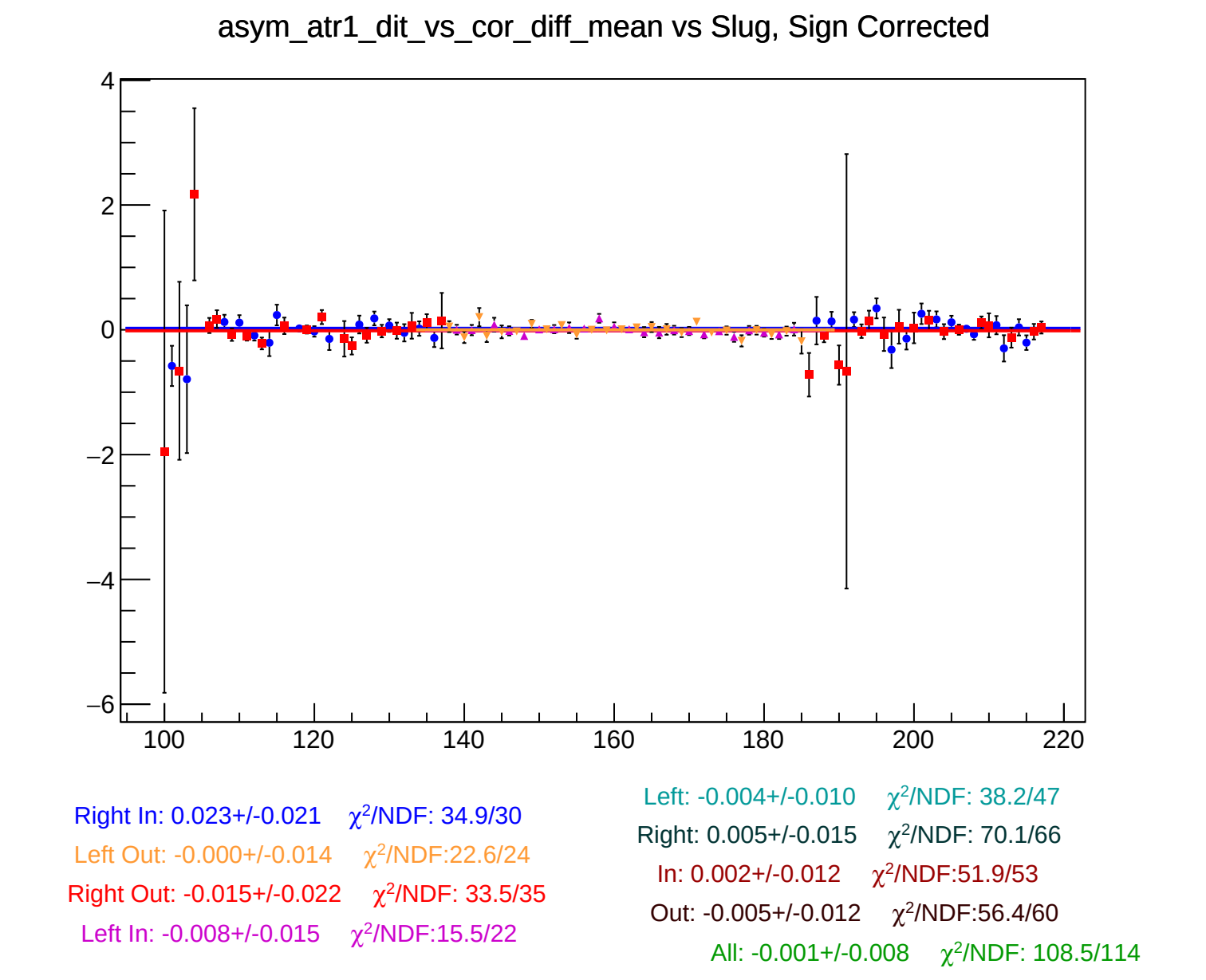
Right: 0.000+/-0.000 χ^2/NDF: 72.3/66

In: -0.000+/-0.000 χ^2/NDF:57.0/53

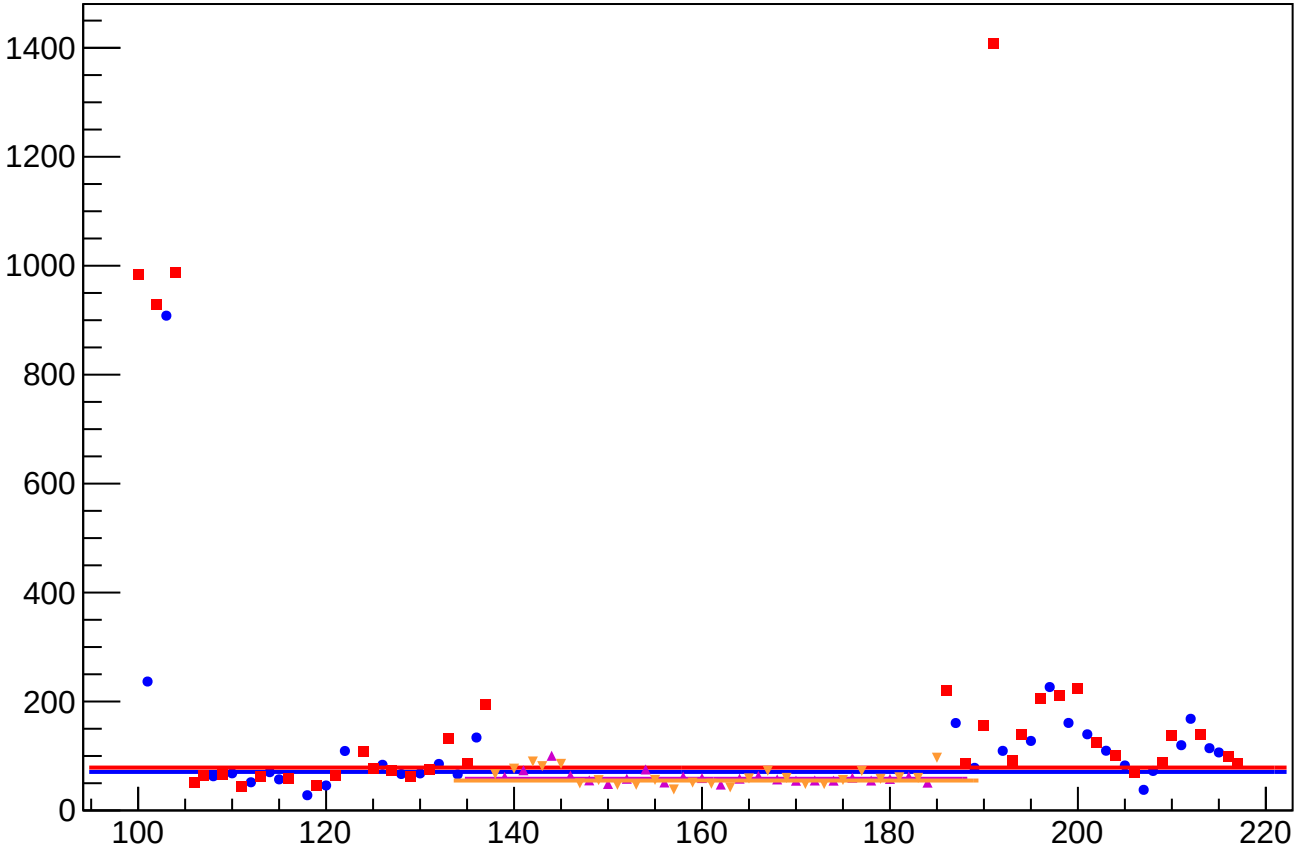
Out: 0.000+/-0.000 χ^2/NDF:60.6/60

All: -0.000+/-0.000 χ^2/NDF: 118.3/114


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: 5958997.2/35
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: 11346924.7/66
In: 0.000+/-0.000 χ²/NDF:12568942.8/53
Out: 0.000+/-0.000 χ²/NDF:9570115.1/60
All: 0.000+/-0.000 χ²/NDF: 22390550.7/114


asym_atr1_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: -0.015+/-0.022 χ²/NDF: 33.5/35
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.005+/-0.015 χ²/NDF: 70.1/66
In: 0.002+/-0.012 χ²/NDF:51.9/53
Out: -0.005+/-0.012 χ²/NDF:56.4/60
All: -0.001+/-0.008 χ²/NDF: 108.5/114

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.731+/-0.015 χ^2/NDF: 7633409.2/30

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 78.746+/-0.015 χ^2/NDF: 6835125.4/35

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

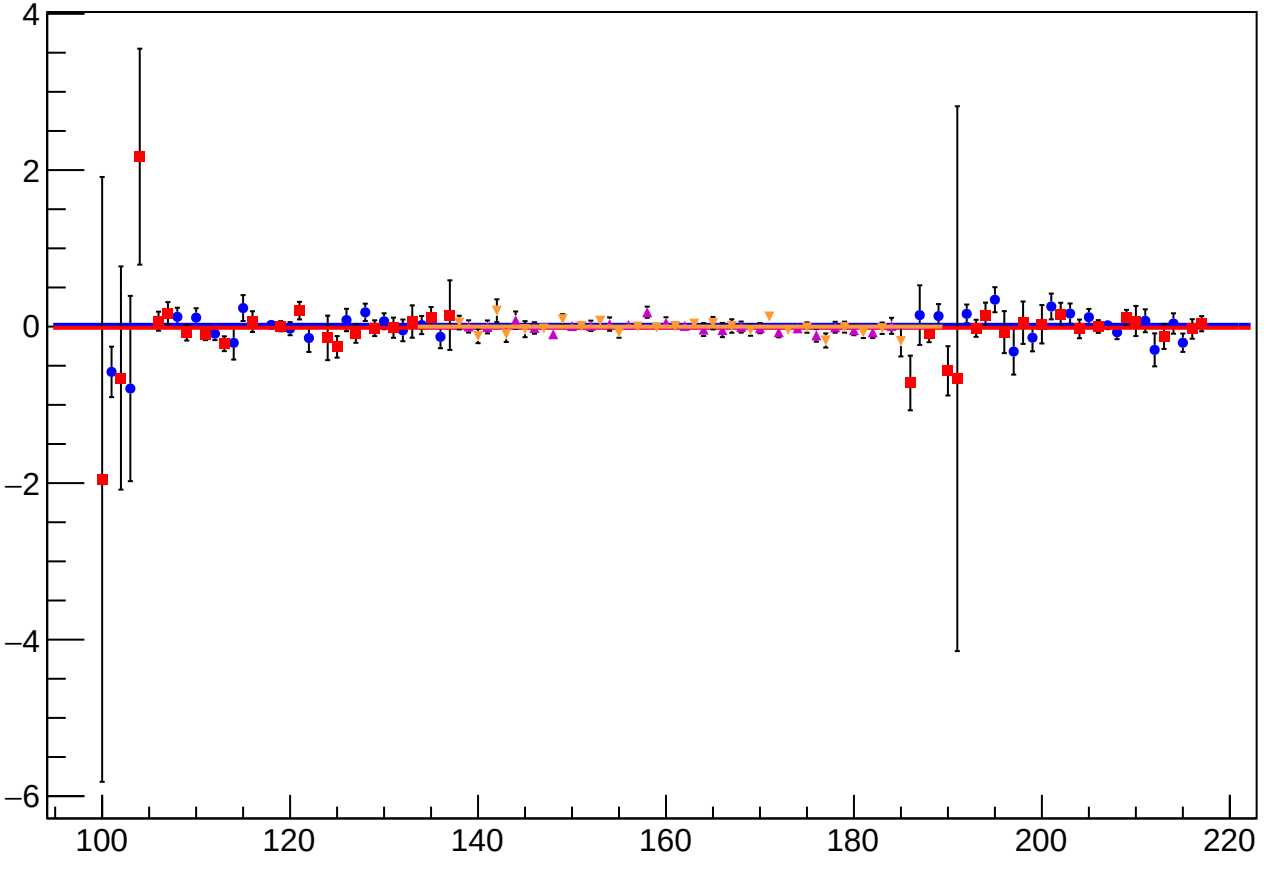
Right: 74.574+/-0.011 χ^2/NDF: 14611990.6/66

In: 62.405+/-0.009 χ^2/NDF:8779096.4/53

Out: 62.048+/-0.008 χ^2/NDF:9839108.3/60

All: 62.222+/-0.006 χ^2/NDF: 18619100.7/114

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: -0.015+/-0.022 χ^2/NDF: 33.5/35

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

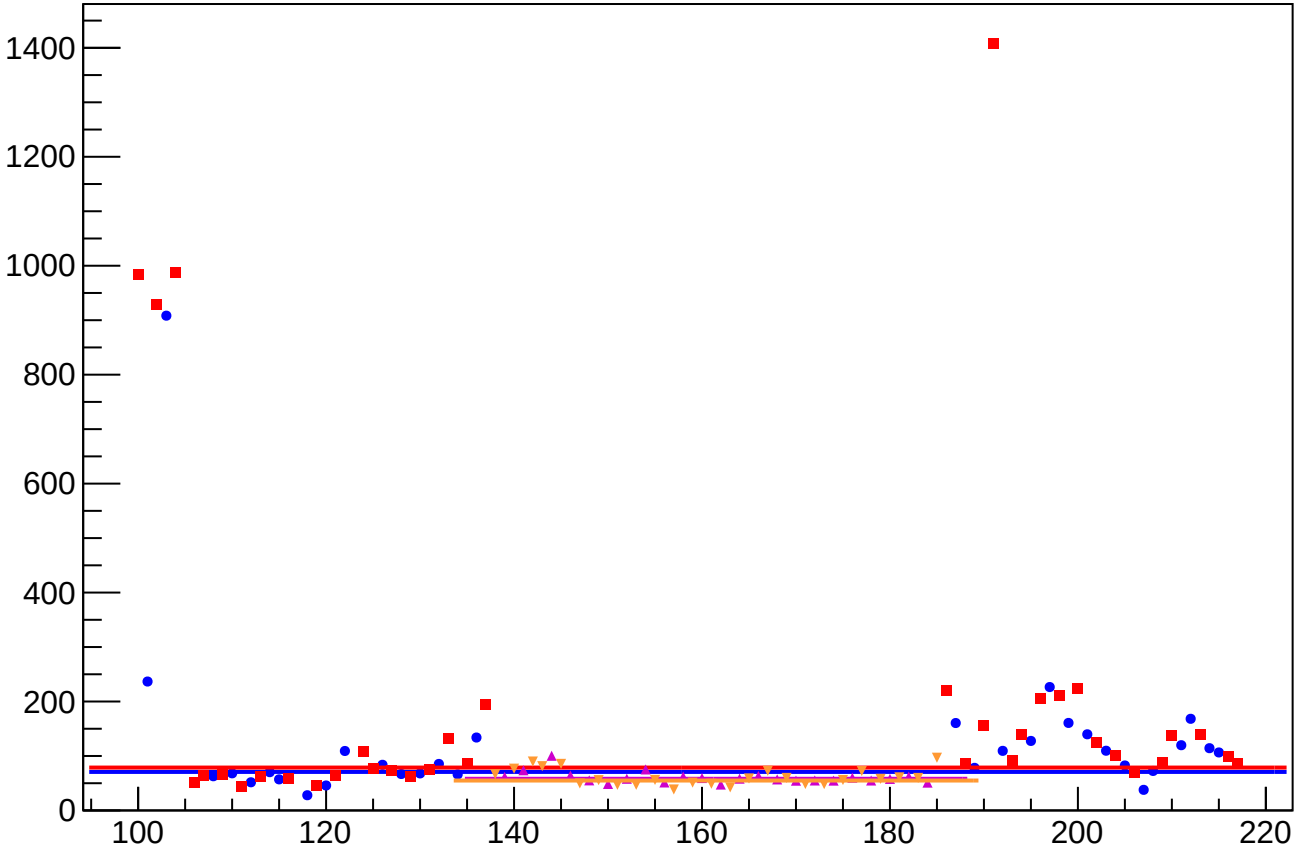
Right: 0.005+/-0.015 χ^2/NDF: 70.1/66

In: 0.002+/-0.012 χ^2/NDF:51.9/53

Out: -0.005+/-0.012 χ^2/NDF:56.4/60

All: -0.001+/-0.008 χ^2/NDF: 108.5/114

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.731+/-0.015 χ^2/NDF: 7633409.2/30

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 78.746+/-0.015 χ^2/NDF: 6835125.4/35

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

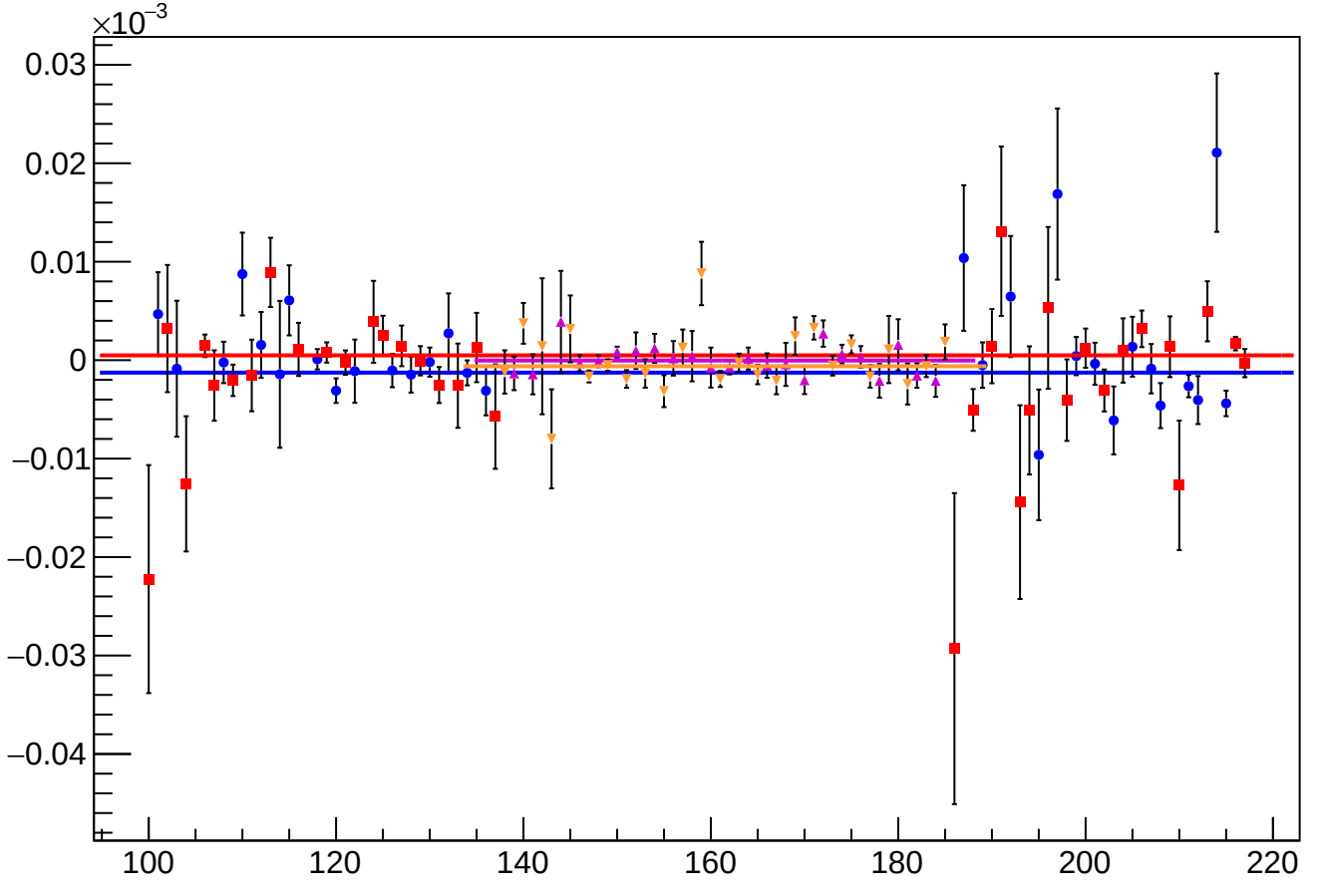
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 74.574+/-0.011 χ^2/NDF: 14611990.6/66

In: 62.405+/-0.009 χ^2/NDF:8779096.4/53

Out: 62.048+/-0.008 χ^2/NDF:9839108.3/60

All: 62.222+/-0.006 χ^2/NDF: 18619100.7/114



Right In: -0.000+/-0.000 χ^2/NDF: 51.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 56.6/35

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

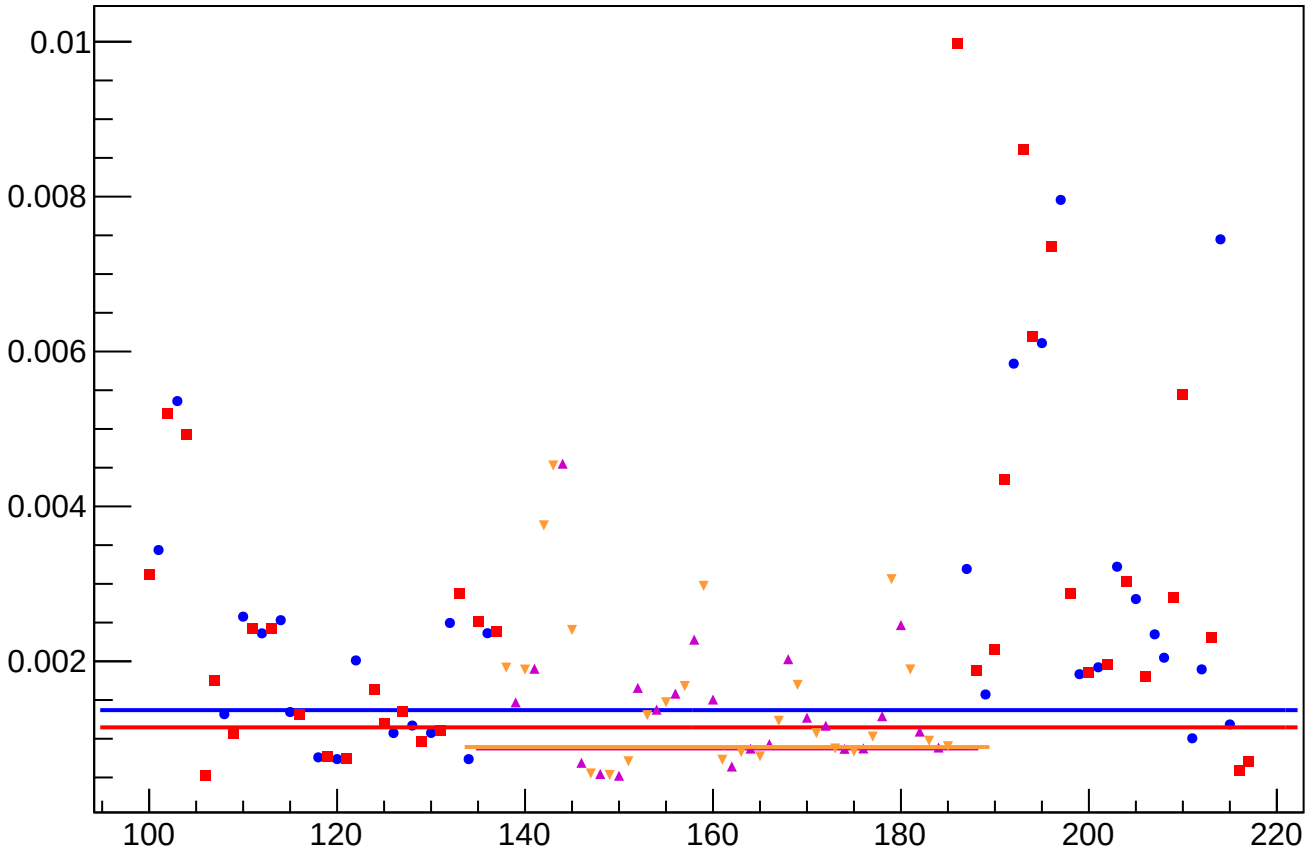
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 119.6/66

In: -0.000+/-0.000 χ^2/NDF:76.9/53

Out: -0.000+/-0.000 χ^2/NDF:116.6/60

All: -0.000+/-0.000 χ^2/NDF: 193.7/114



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: 13774676.6/35

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

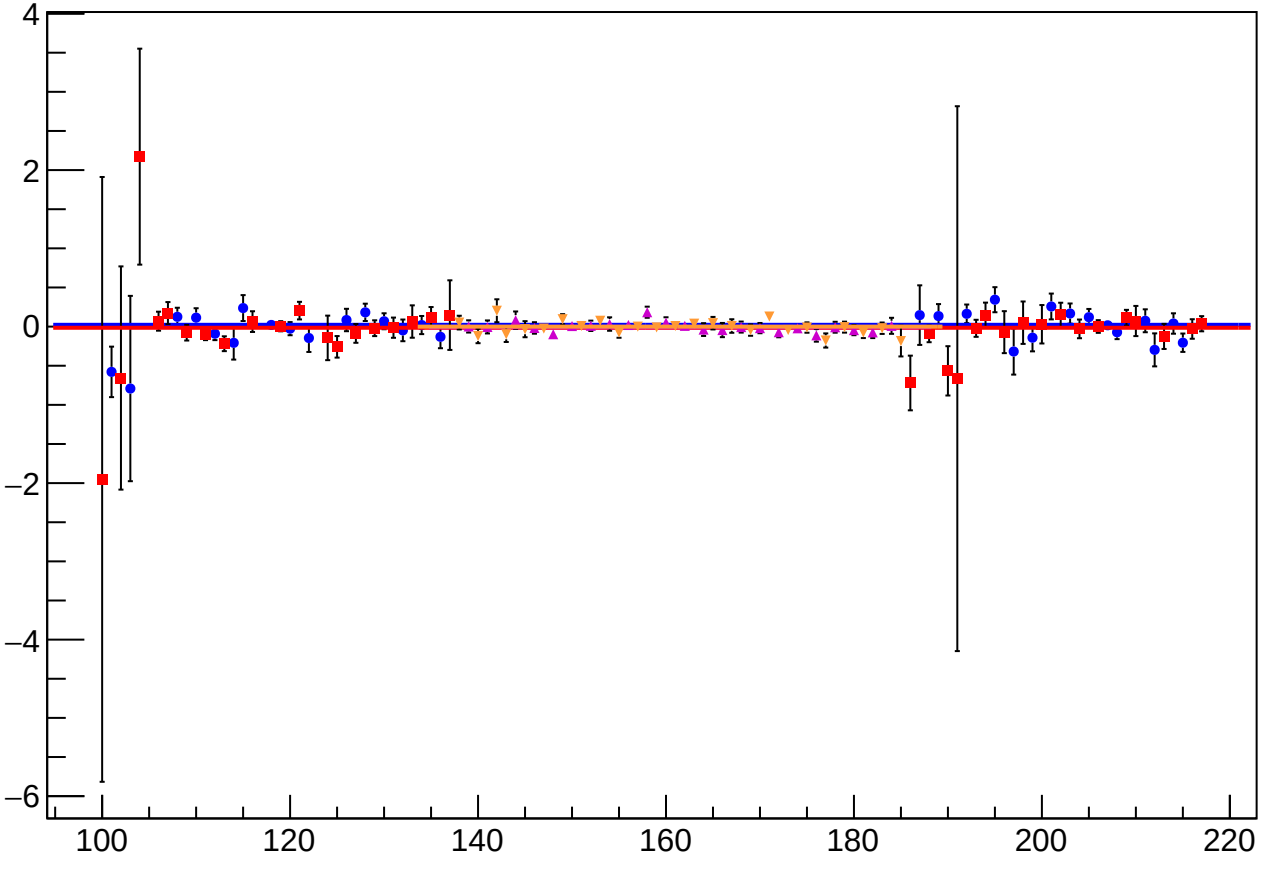
Right: 0.001+/-0.000 χ^2/NDF: 24701929.4/66

In: 0.001+/-0.000 χ^2/NDF:19974574.3/53

Out: 0.001+/-0.000 χ^2/NDF:22280457.6/60

All: 0.001+/-0.000 χ^2/NDF: 42295230.9/114

asym_atr1_eigen_dit_vs_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: -0.015+/-0.022 χ^2/NDF: 33.5/35

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

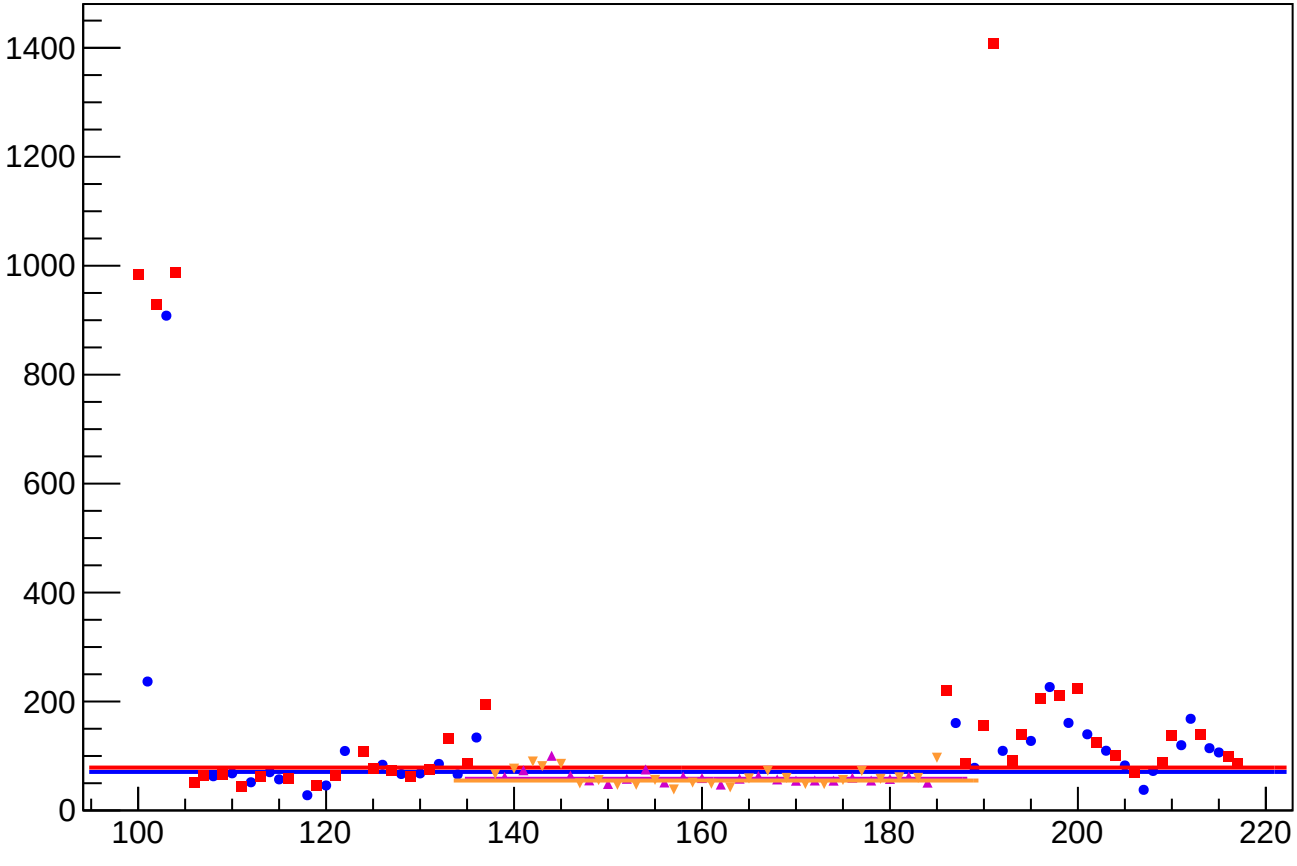
Right: 0.005+/-0.015 χ^2/NDF: 70.1/66

In: 0.002+/-0.012 χ^2/NDF:51.9/53

Out: -0.005+/-0.012 χ^2/NDF:56.4/60

All: -0.001+/-0.008 χ^2/NDF: 108.5/114

asym_atr1_eigen_dit_vs_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: 78.745+/-0.015 χ^2/NDF: 6835156.0/35

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

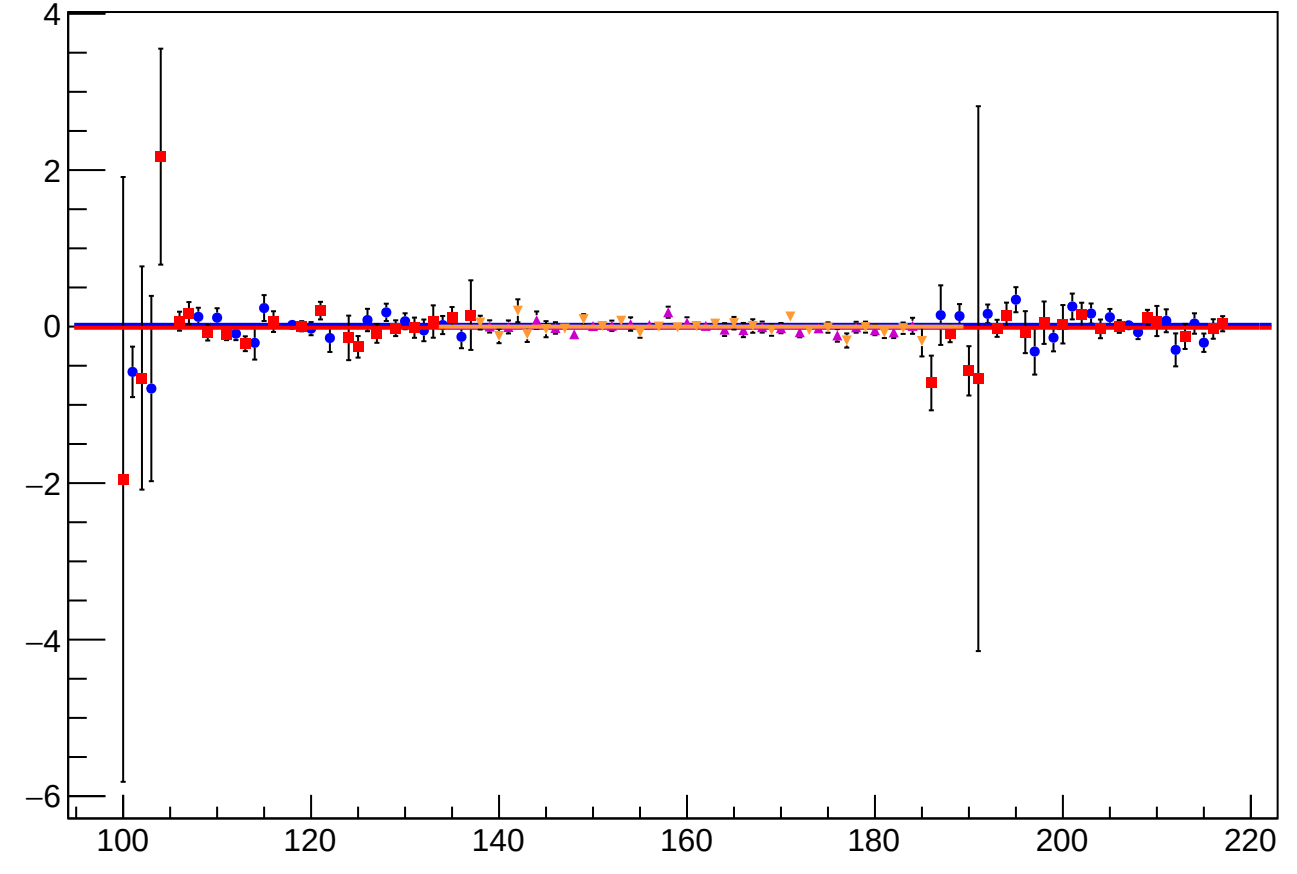
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 74.574+/-0.011 χ^2/NDF: 14612354.7/66

In: 62.405+/-0.009 χ^2/NDF:8779331.2/53

Out: 62.047+/-0.008 χ^2/NDF:9839254.7/60

All: 62.222+/-0.006 χ^2/NDF: 18619482.2/114



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: -0.015+/-0.022 χ^2/NDF: 33.5/35

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

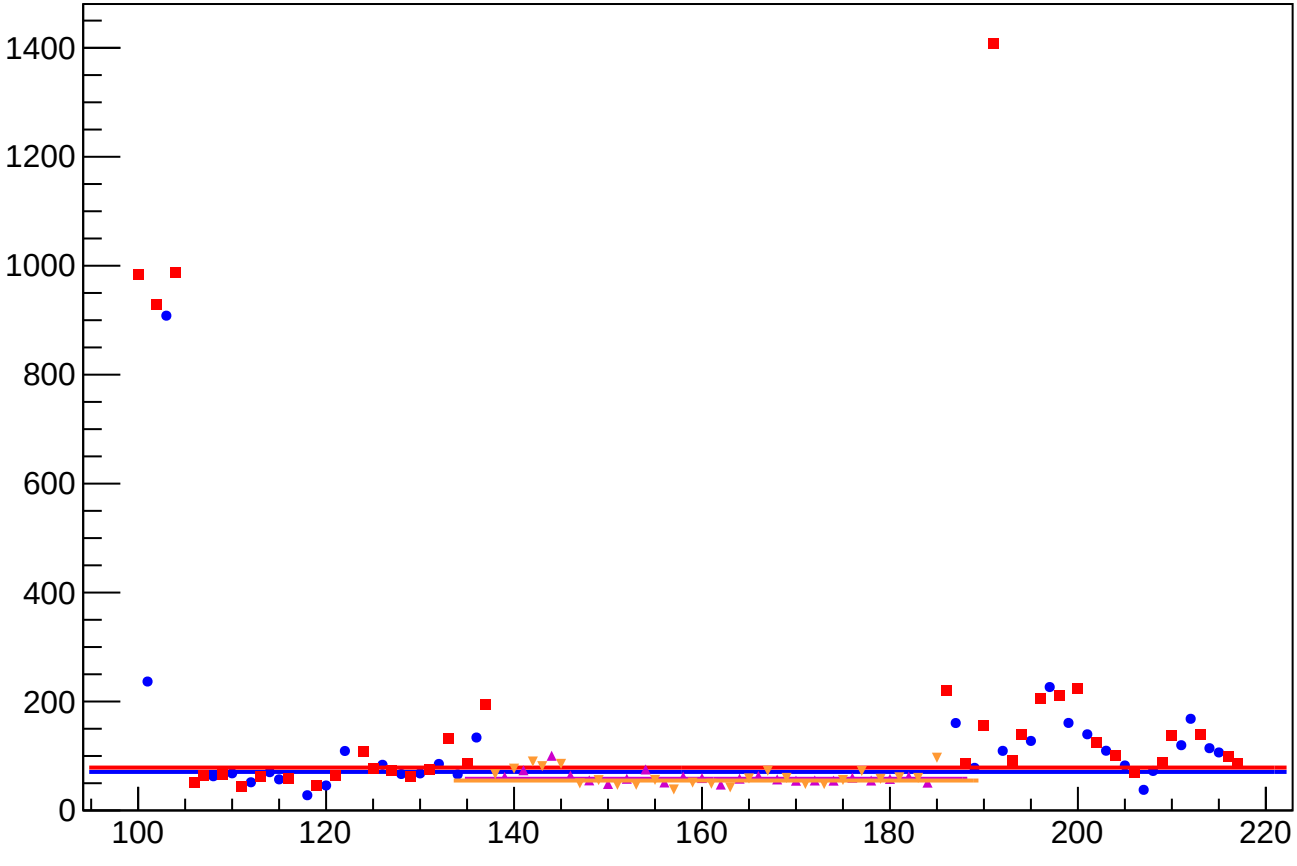
Right: 0.005+/-0.015 χ^2/NDF: 70.1/66

In: 0.002+/-0.012 χ^2/NDF:51.9/53

Out: -0.005+/-0.012 χ^2/NDF:56.4/60

All: -0.001+/-0.008 χ^2/NDF: 108.5/114

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: 78.745+/-0.015 χ^2/NDF: 6835156.0/35

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

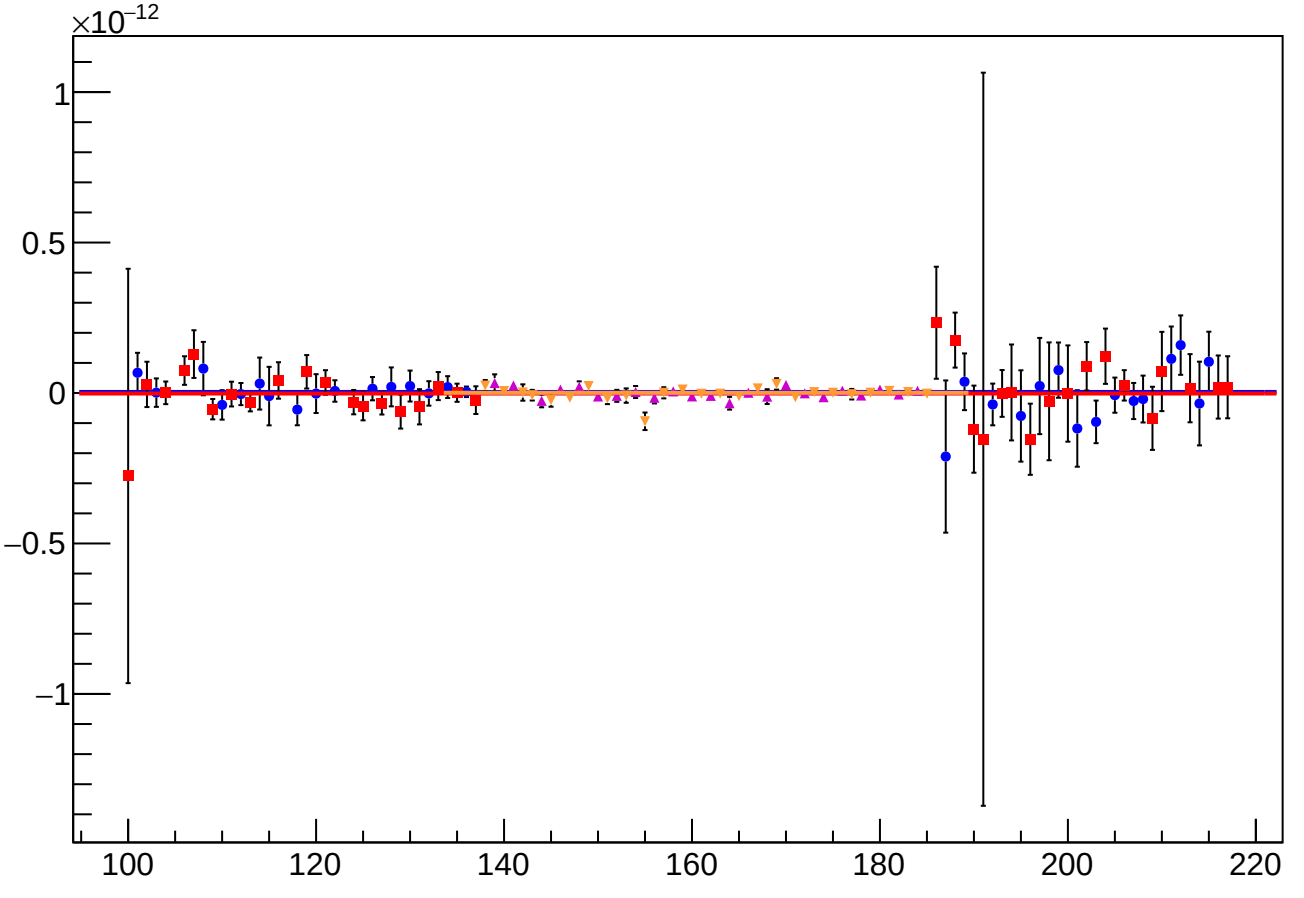
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 74.574+/-0.011 χ^2/NDF: 14612354.7/66

In: 62.405+/-0.009 χ^2/NDF:8779331.2/53

Out: 62.047+/-0.008 χ^2/NDF:9839254.7/60

All: 62.222+/-0.006 χ^2/NDF: 18619482.2/114



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: 28.5/35

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

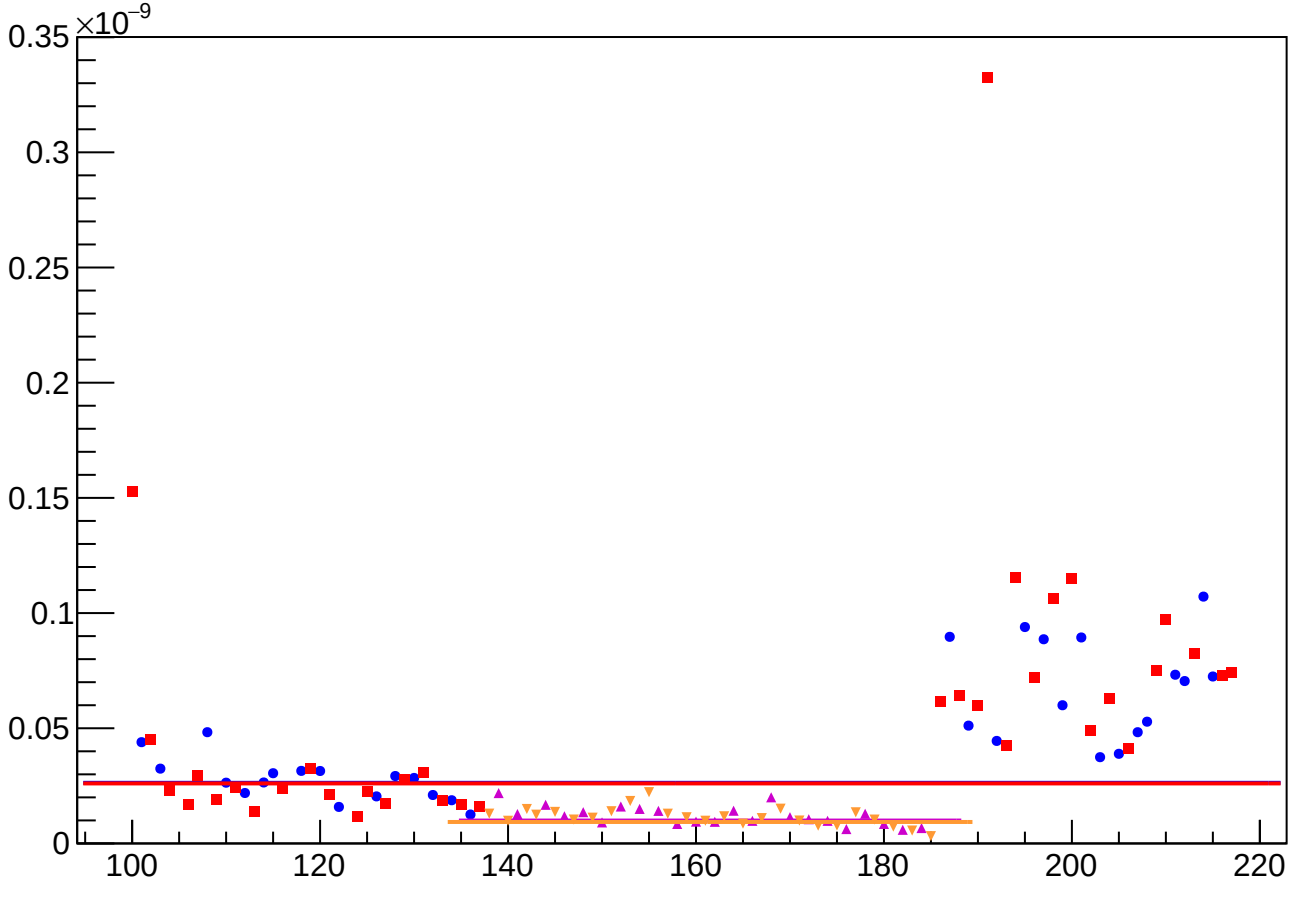
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 43.1/66

In: 0.000+/-0.000 χ^2/NDF:34.8/53

Out: 0.000+/-0.000 χ^2/NDF:53.9/60

All: 0.000+/-0.000 χ^2/NDF: 88.7/114



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: 7163510.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

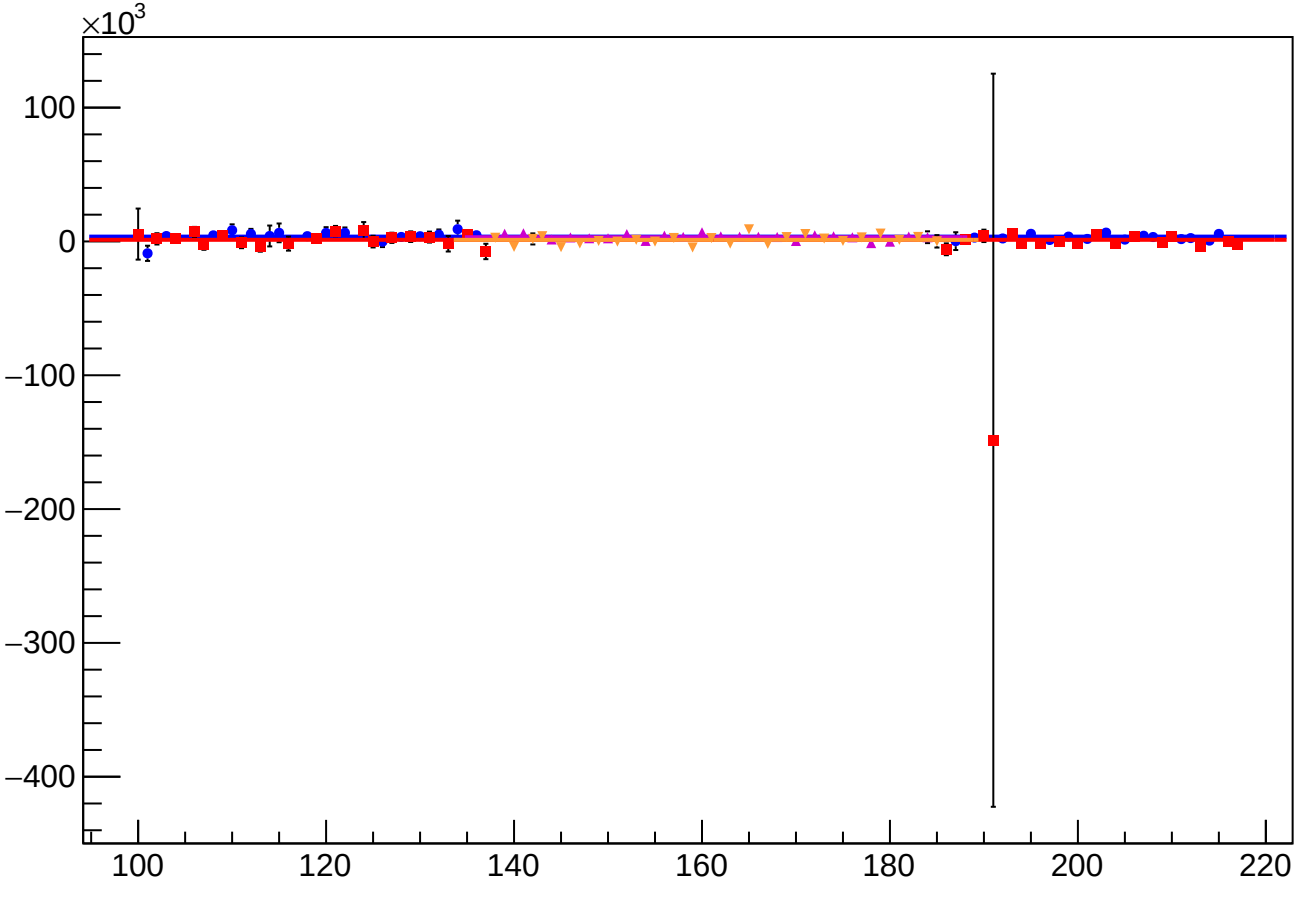
Right: 0.000+/-0.000 χ^2/NDF: 13500570.1/66

In: 0.000+/-0.000 χ^2/NDF:14472143.7/53

Out: 0.000+/-0.000 χ^2/NDF:16100280.3/60

All: 0.000+/-0.000 χ^2/NDF: 30649505.8/114

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: 1222.061+/-594.121 χ^2/NDF: 33.1/35

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

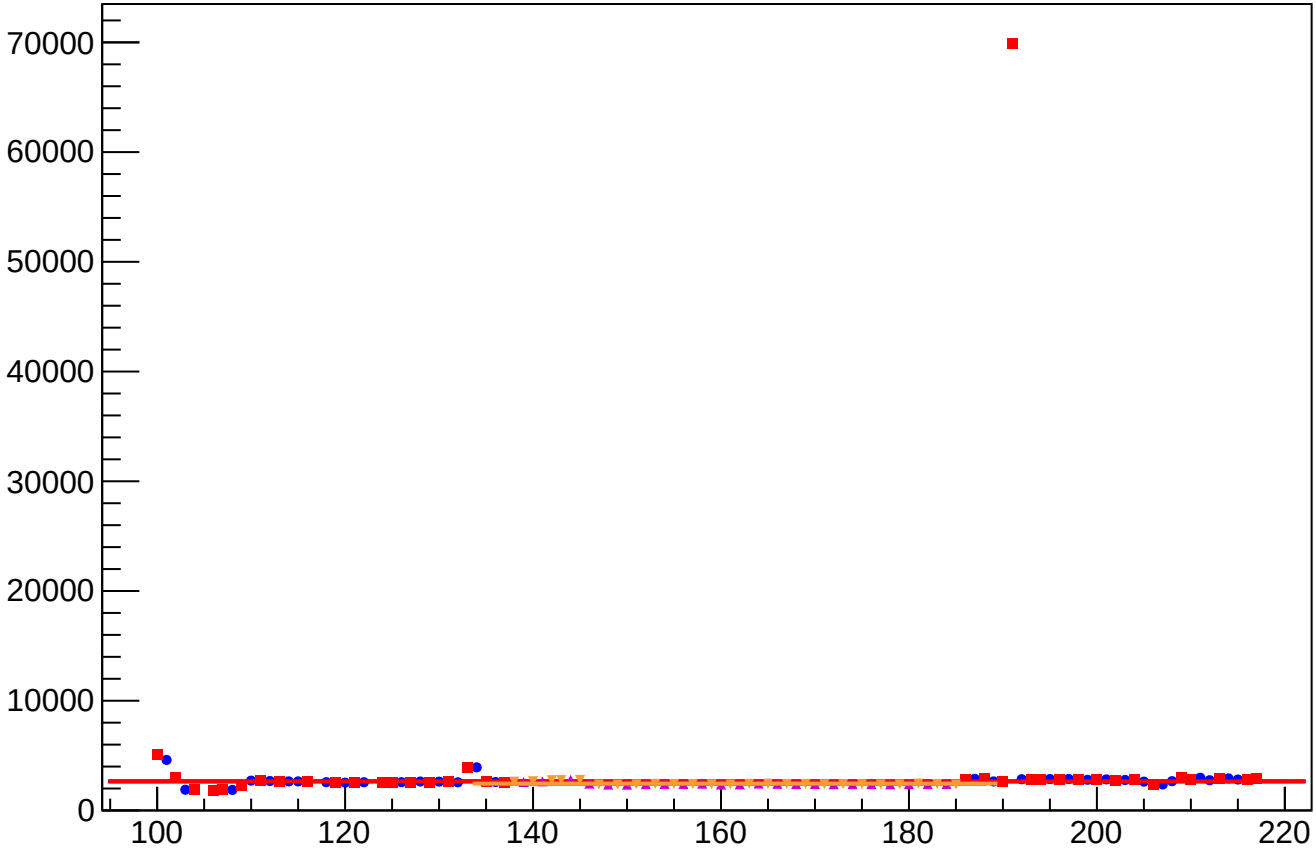
Right: 2383.201+/-425.774 χ^2/NDF: 55.8/66

In: 3362.168+/-416.324 χ^2/NDF:27.9/53

Out: 1204.355+/-406.054 χ^2/NDF:64.2/60

All: 2256.318+/-290.686 χ^2/NDF: 105.8/114

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: 2649.285+/-0.420 χ^2/NDF: 822446.8/35

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

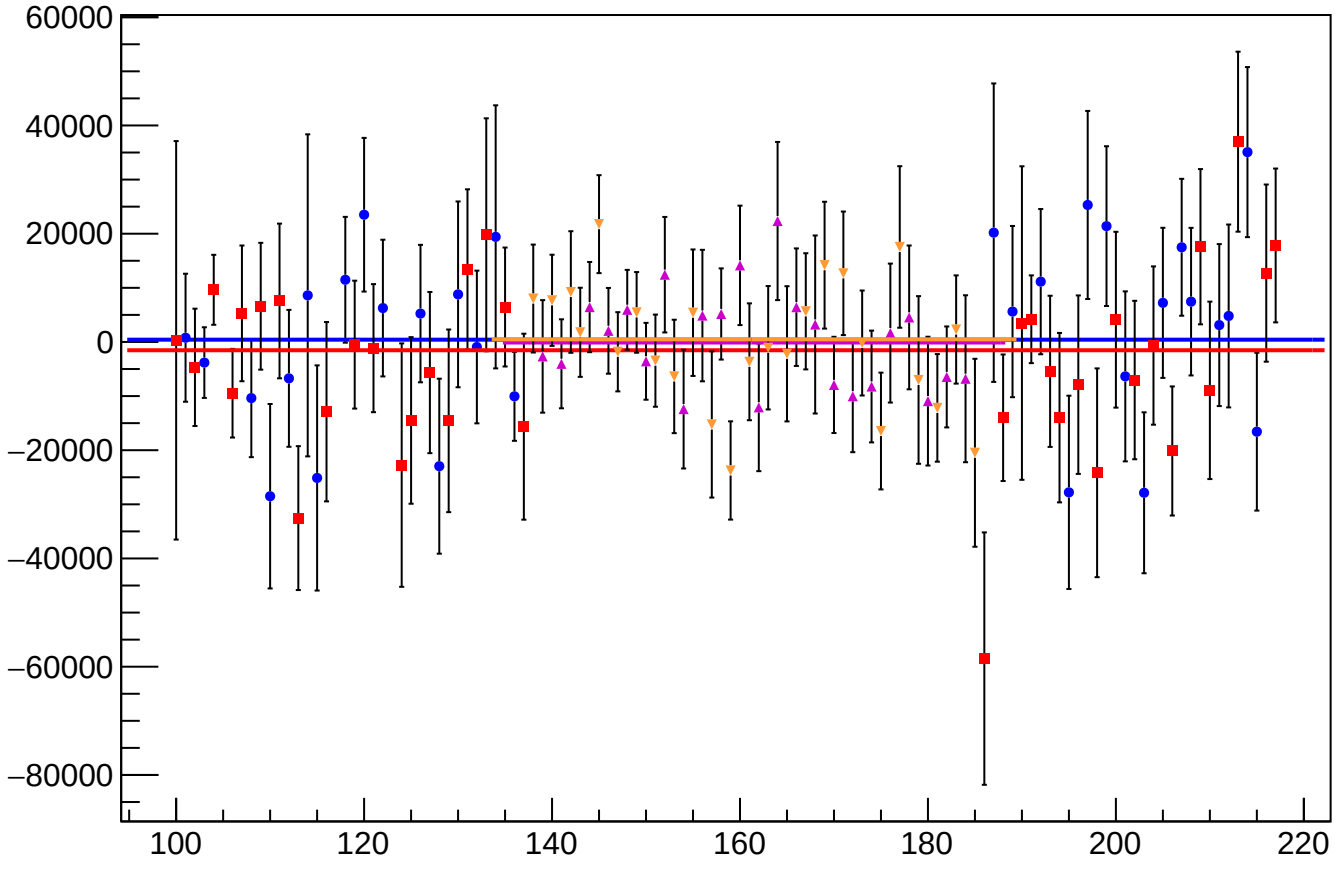
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2651.767+/-0.301 χ^2/NDF: 1593922.2/66

In: 2537.538+/-0.294 χ^2/NDF:967567.2/53

Out: 2540.863+/-0.287 χ^2/NDF:1037451.2/60

All: 2539.242+/-0.206 χ^2/NDF: 2005083.8/11



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: -1531.325+/-2208.244 χ^2/NDF: 39.1/35

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

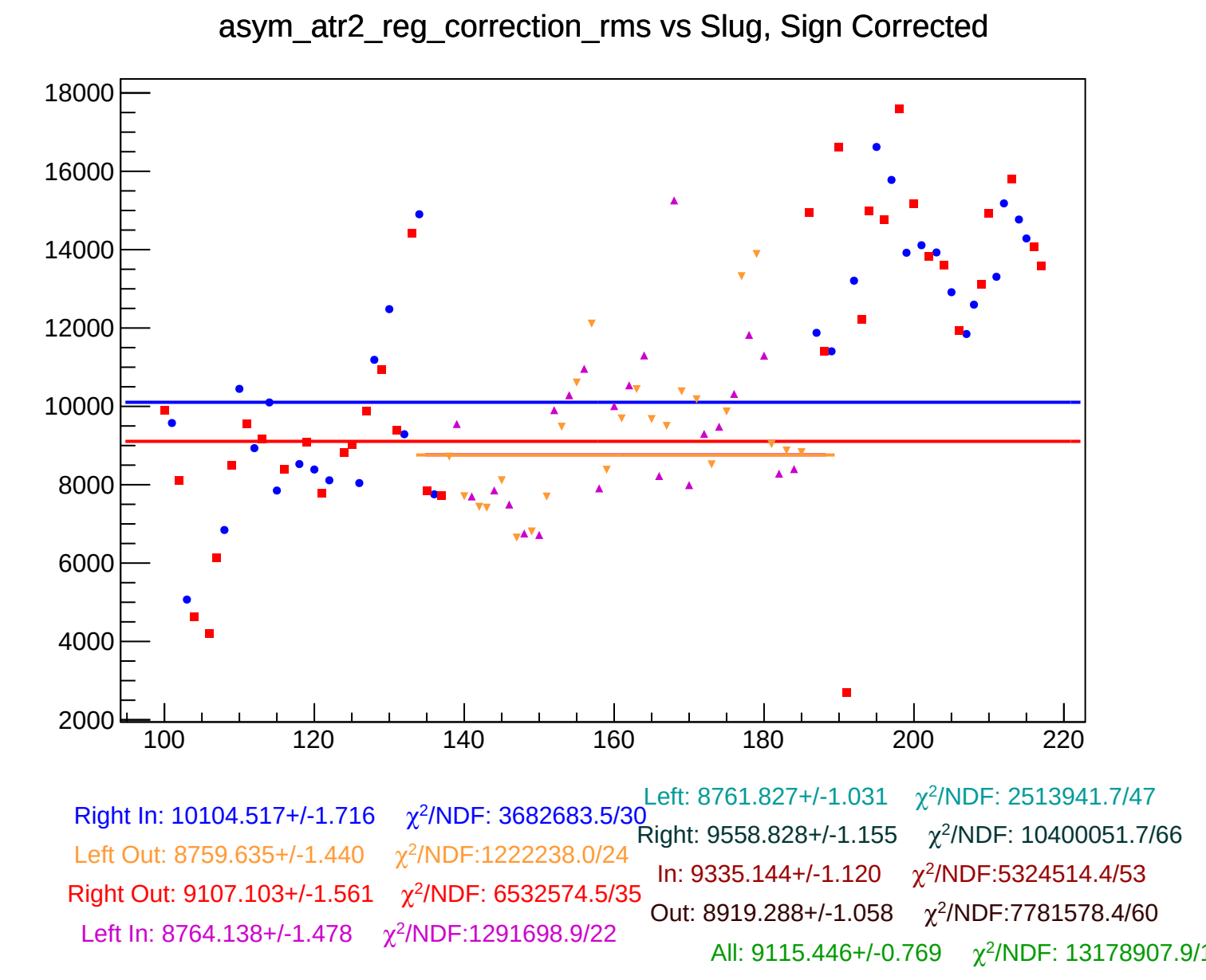
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -647.195+/-1633.358 χ^2/NDF: 74.4/66

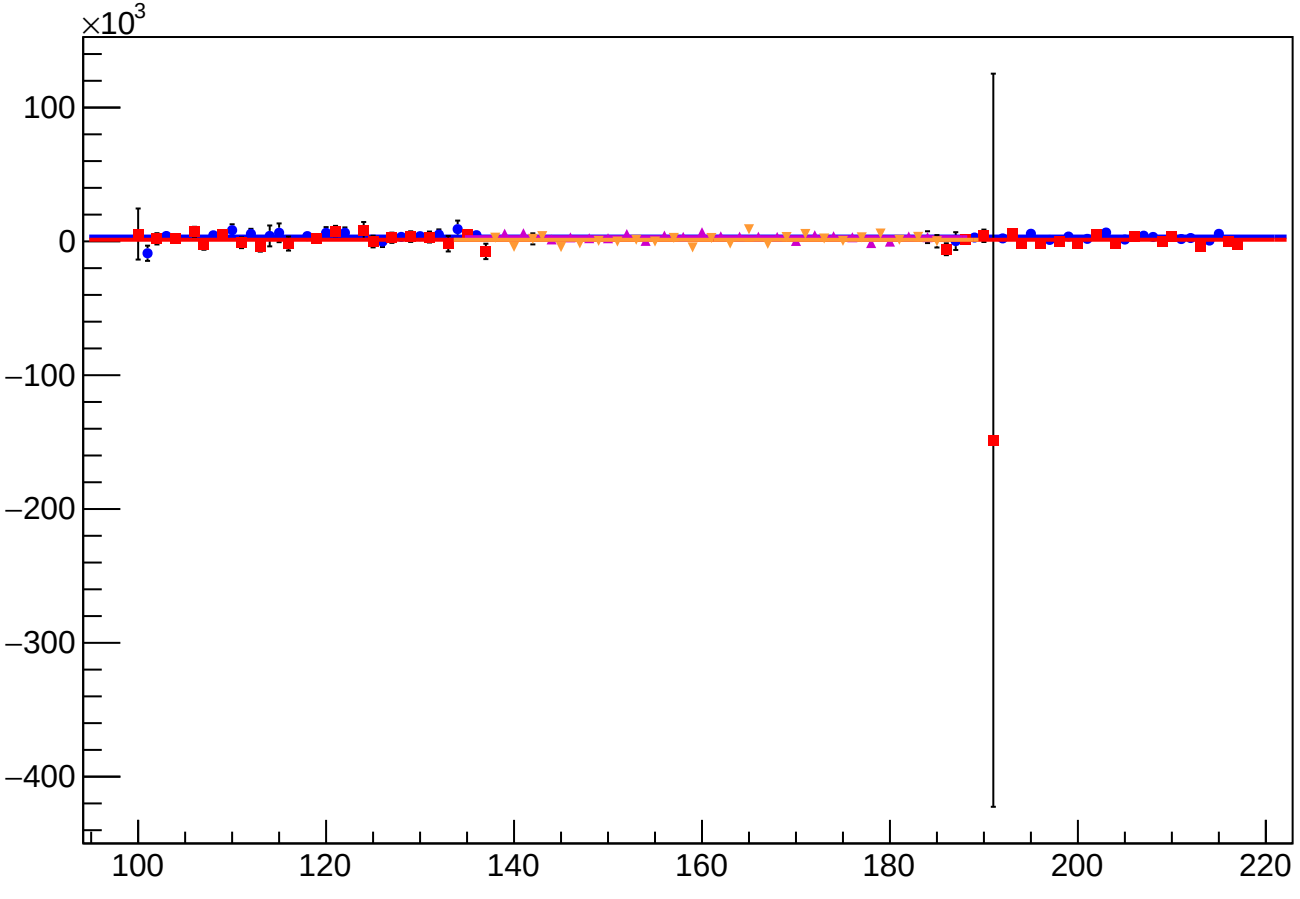
In: 119.035+/-1584.119 χ^2/NDF:49.5/53

Out: -445.676+/-1496.851 χ^2/NDF:67.0/60

All: -179.303+/-1087.977 χ^2/NDF: 116.5/114


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 10104.517+/-1.716 χ²/NDF: 3682683.5/30
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 9107.103+/-1.561 χ²/NDF: 6532574.5/35
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 9558.828+/-1.155 χ²/NDF: 10400051.7/66
In: 9335.144+/-1.120 χ²/NDF:5324514.4/53
Out: 8919.288+/-1.058 χ²/NDF:7781578.4/60
All: 9115.446+/-0.769 χ²/NDF: 13178907.9/1

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: 1222.360+/-594.123 χ^2/NDF: 33.1/35

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

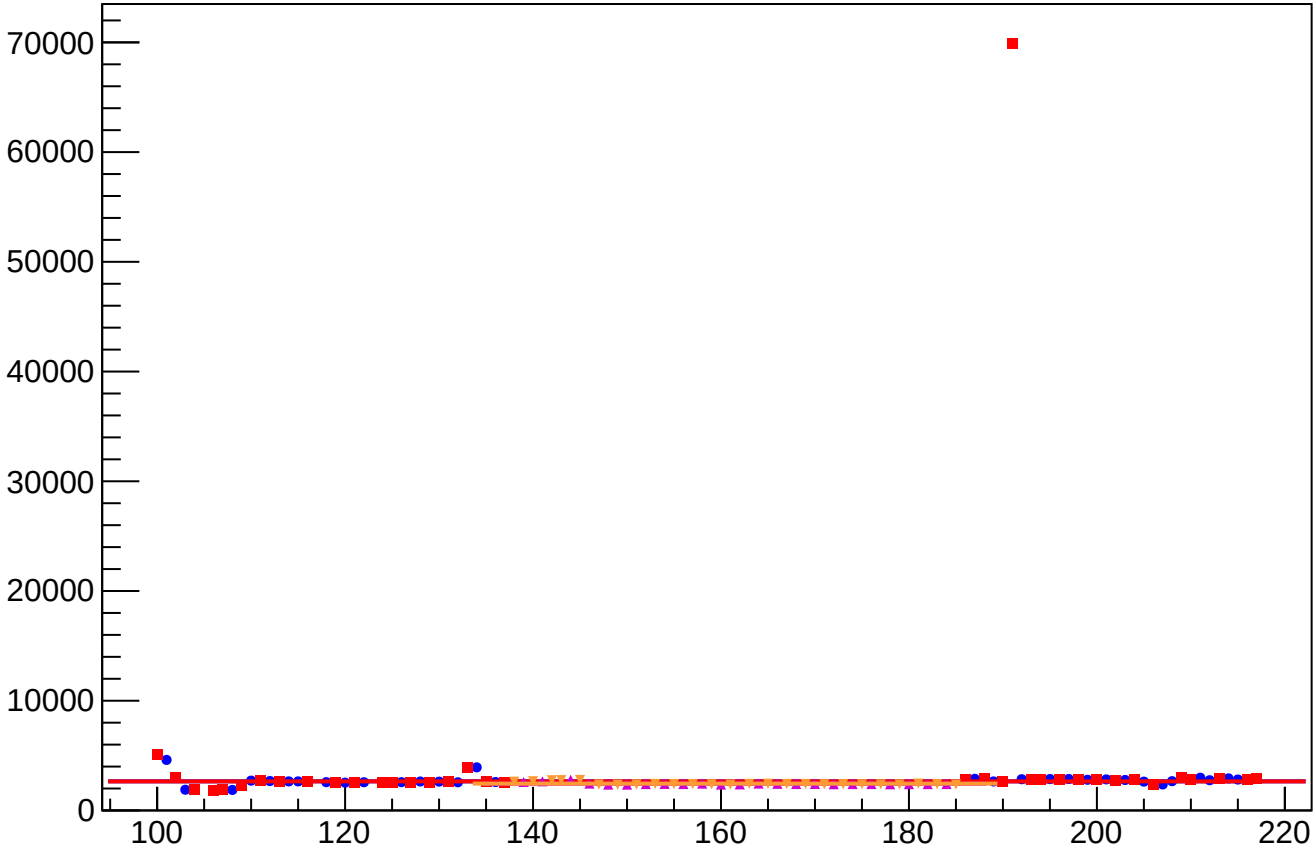
Right: 2383.292+/-425.775 χ^2/NDF: 55.8/66

In: 3361.999+/-416.324 χ^2/NDF:27.9/53

Out: 1204.405+/-406.054 χ^2/NDF:64.2/60

All: 2256.263+/-290.687 χ^2/NDF: 105.9/114

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: 2649.296+/-0.420 χ^2/NDF: 822368.0/35

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

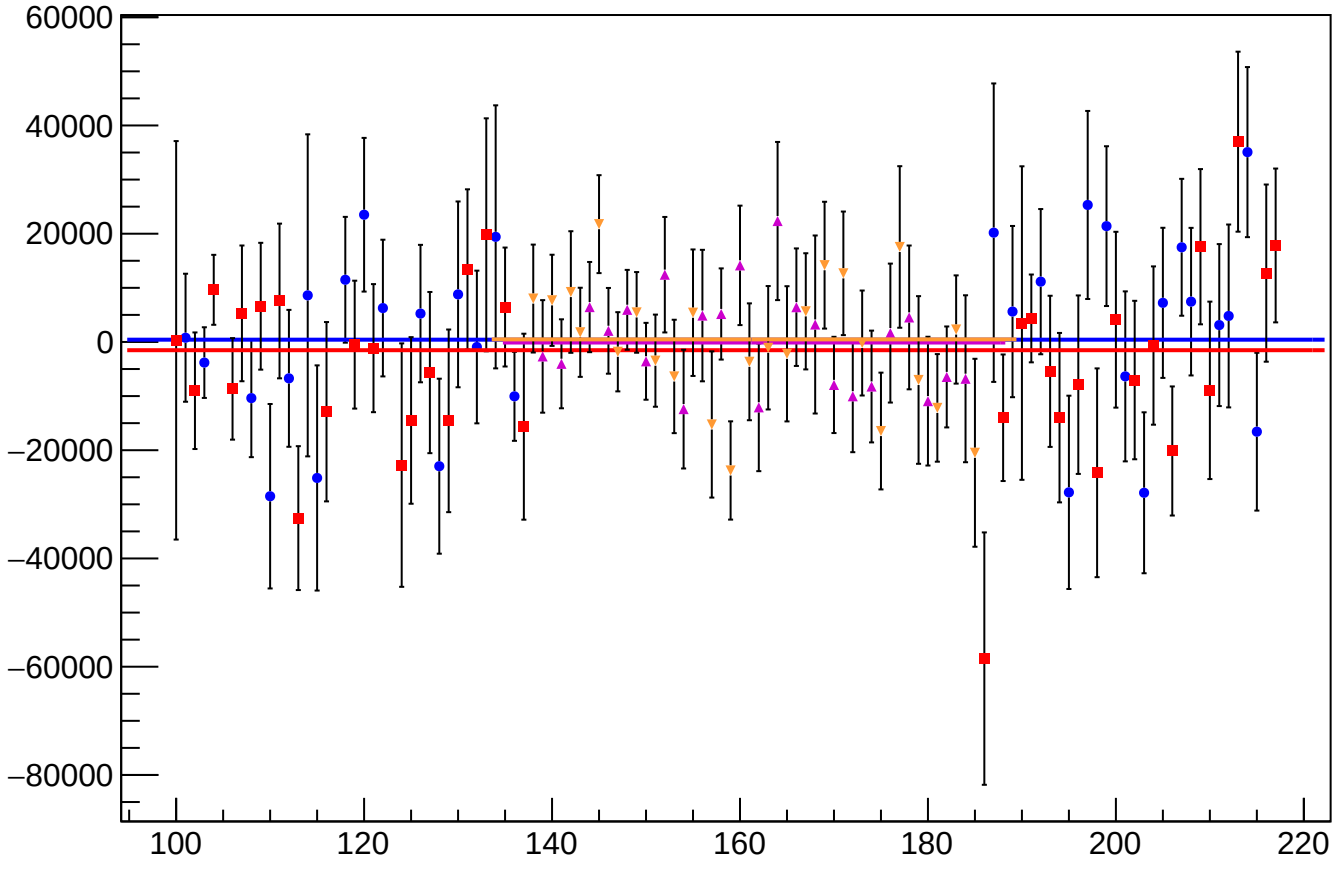
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2651.773+/-0.301 χ^2/NDF: 1593840.3/66

In: 2537.538+/-0.294 χ^2/NDF:967564.9/53

Out: 2540.868+/-0.287 χ^2/NDF:1037386.0/60

All: 2539.245+/-0.206 χ^2/NDF: 2005016.4/11



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: -1522.661+/-2227.078 χ^2/NDF: 39.2/35

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

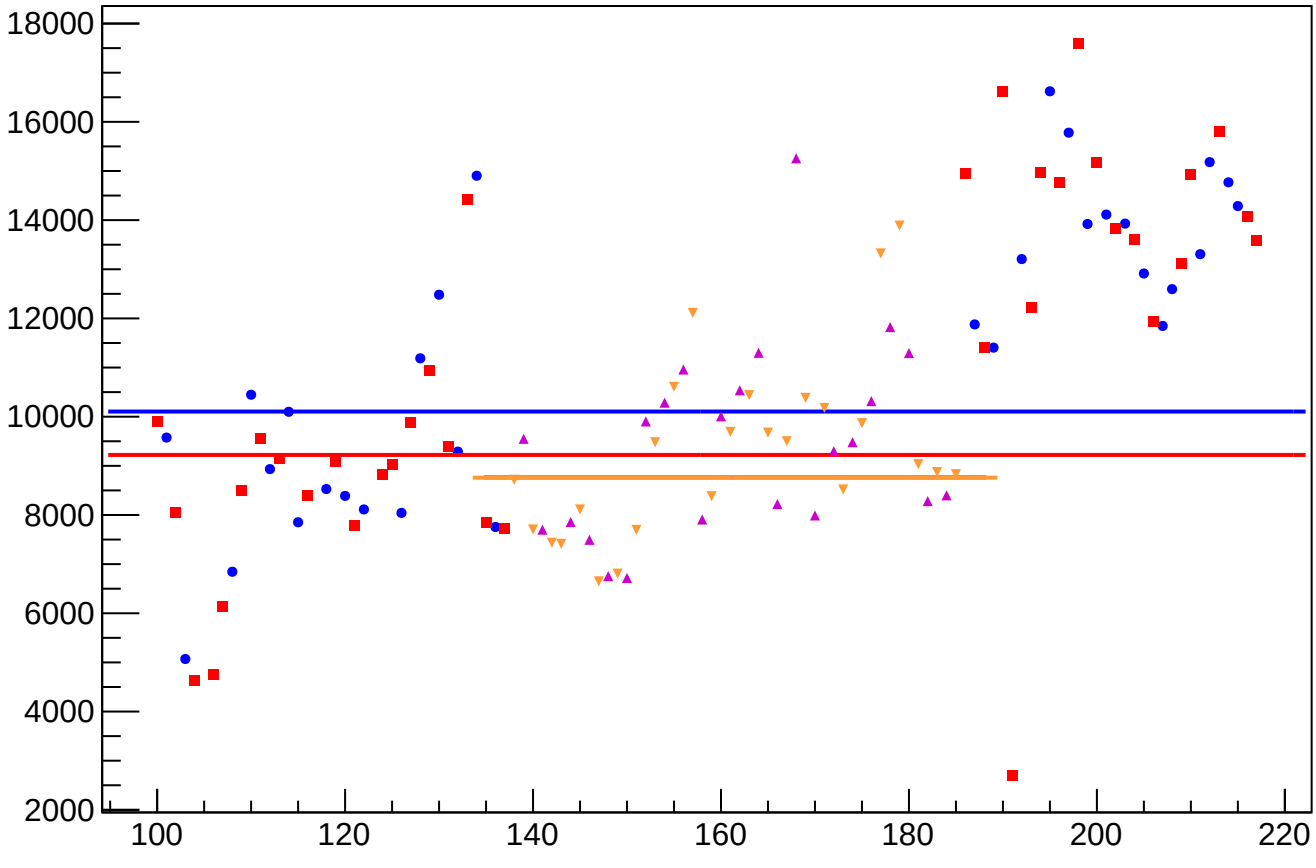
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -634.128+/-1640.949 χ^2/NDF: 74.5/66

In: 119.136+/-1584.130 χ^2/NDF:49.5/53

Out: -433.258+/-1502.676 χ^2/NDF:67.0/60

All: -171.627+/-1090.211 χ^2/NDF: 116.6/114



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: 9221.777+/-1.575 χ^2/NDF: 6239488.6/35

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

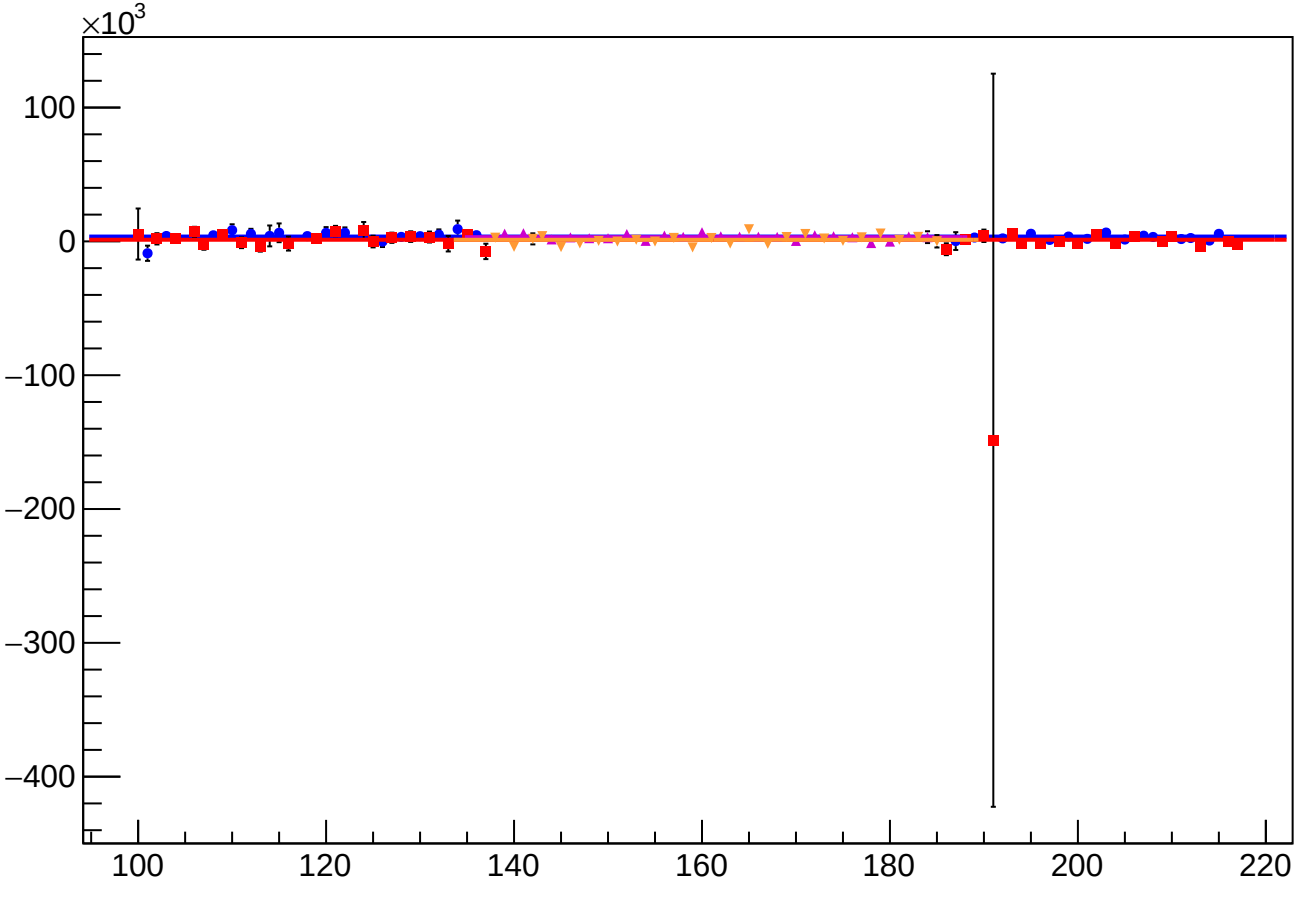
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9625.404+/-1.160 χ^2/NDF: 10065240.0/66

In: 9335.246+/-1.120 χ^2/NDF:5324007.1/53

Out: 8970.025+/-1.063 χ^2/NDF:7508653.2/60

All: 9143.005+/-0.771 χ^2/NDF: 12888616.9/1



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: 1222.360+/-594.123 χ^2/NDF: 33.1/35

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

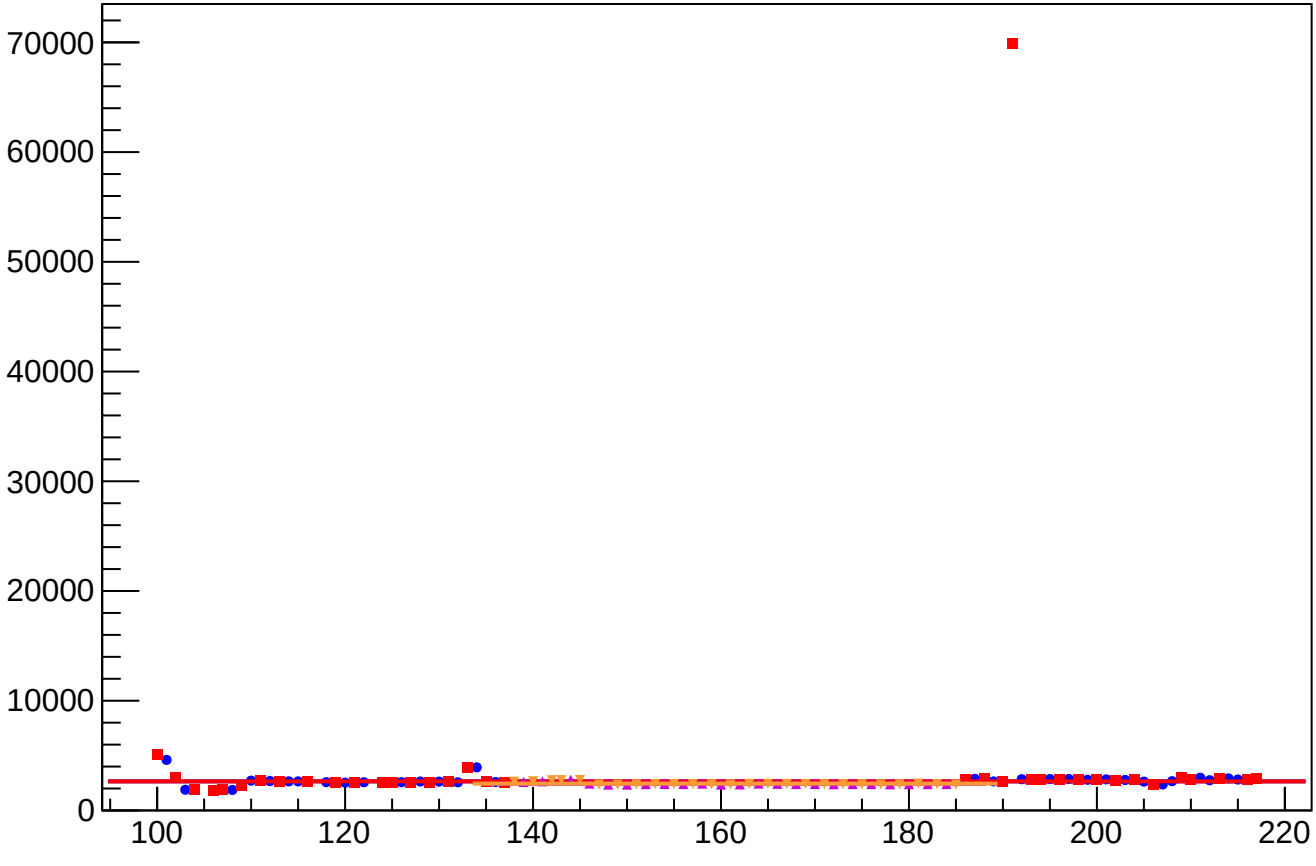
Right: 2383.292+/-425.775 χ^2/NDF: 55.8/66

In: 3361.999+/-416.324 χ^2/NDF:27.9/53

Out: 1204.405+/-406.054 χ^2/NDF:64.2/60

All: 2256.263+/-290.687 χ^2/NDF: 105.9/114

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: 2649.296+/-0.420 χ^2/NDF: 822368.0/35

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

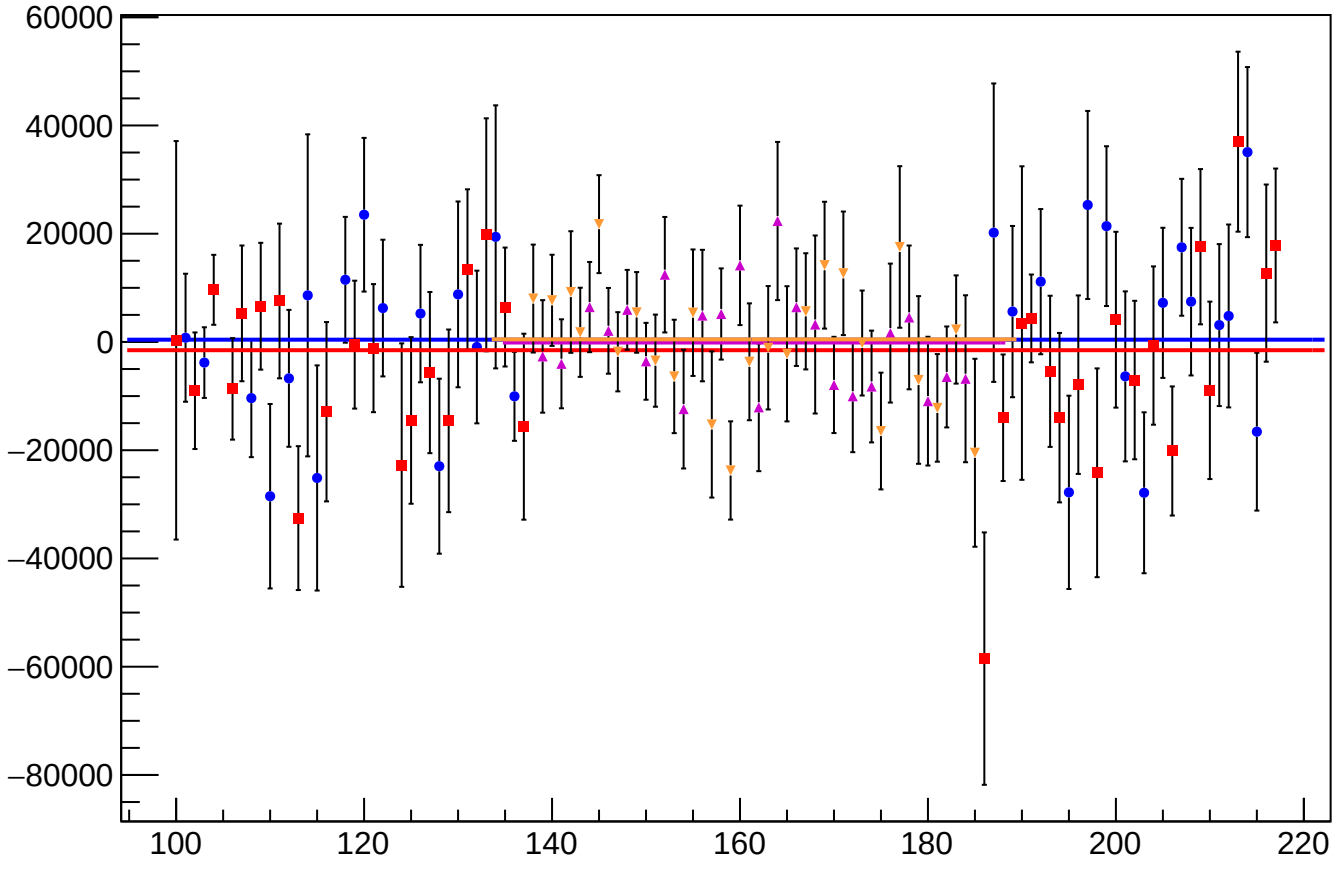
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2651.773+/-0.301 χ^2/NDF: 1593840.3/66

In: 2537.538+/-0.294 χ^2/NDF:967564.9/53

Out: 2540.868+/-0.287 χ^2/NDF:1037386.0/60

All: 2539.245+/-0.206 χ^2/NDF: 2005016.4/11



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: -1522.661+/-2227.078 χ^2/NDF: 39.2/35

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

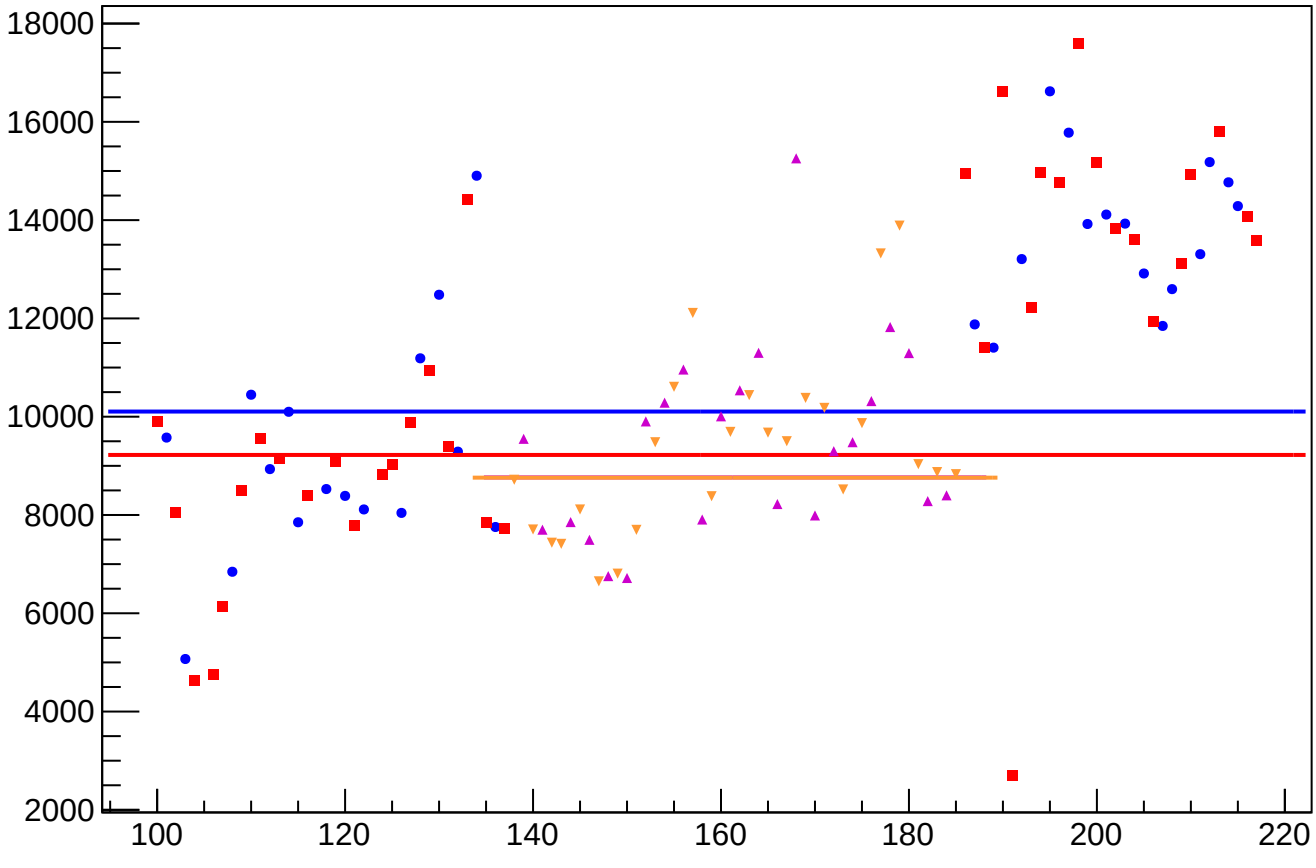
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -634.128+/-1640.949 χ^2/NDF: 74.5/66

In: 119.136+/-1584.130 χ^2/NDF:49.5/53

Out: -433.258+/-1502.676 χ^2/NDF:67.0/60

All: -171.627+/-1090.211 χ^2/NDF: 116.6/114



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: 9221.777+/-1.575 χ^2/NDF: 6239488.6/35

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

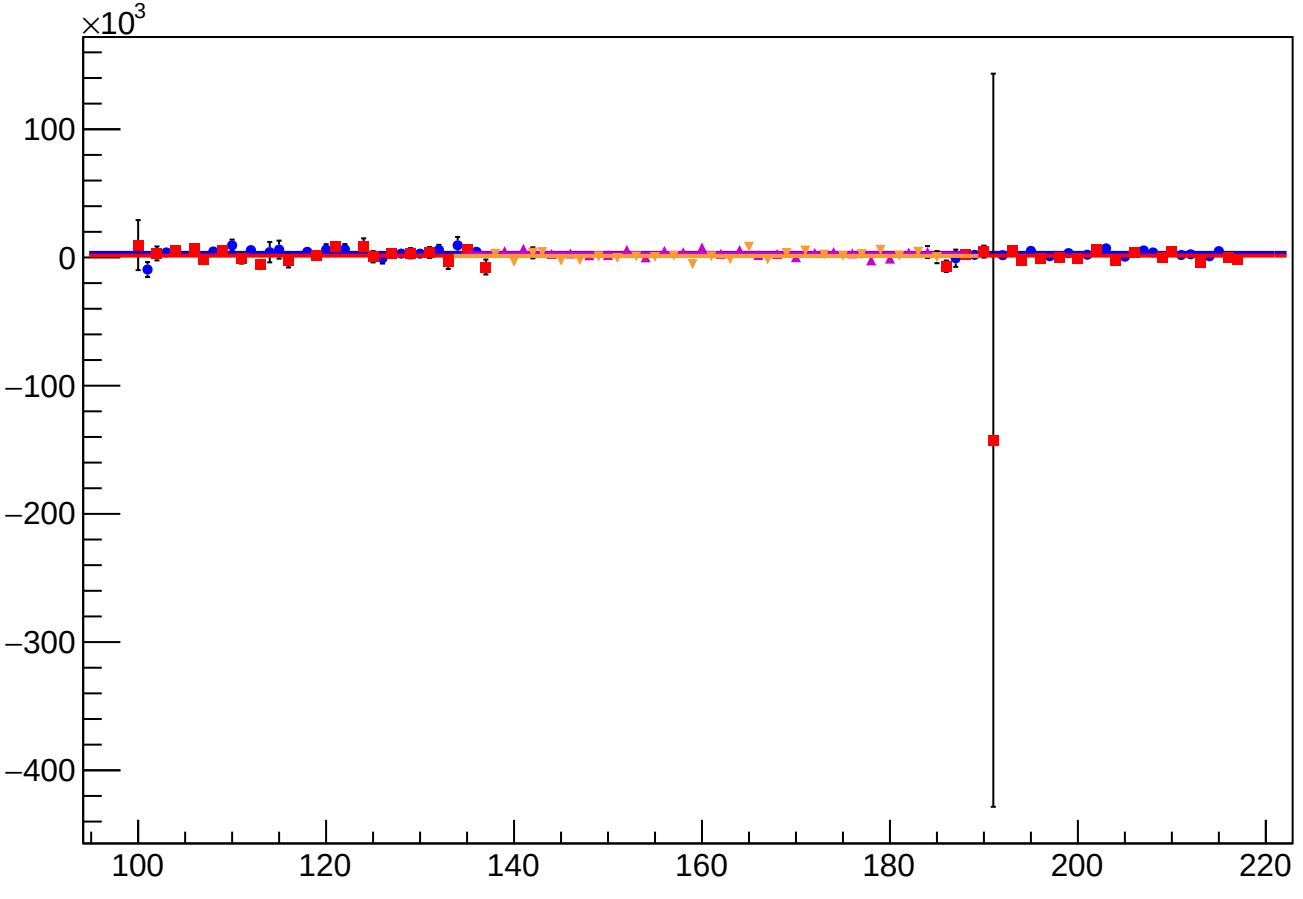
Right: 9625.404+/-1.160 χ^2/NDF: 10065240.0/66

In: 9335.246+/-1.120 χ^2/NDF:5324007.1/53

Out: 8970.025+/-1.063 χ^2/NDF:7508653.2/60

All: 9143.005+/-0.771 χ^2/NDF: 12888616.9/1

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: 1451.700+/-611.516 χ^2/NDF: 37.2/35

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

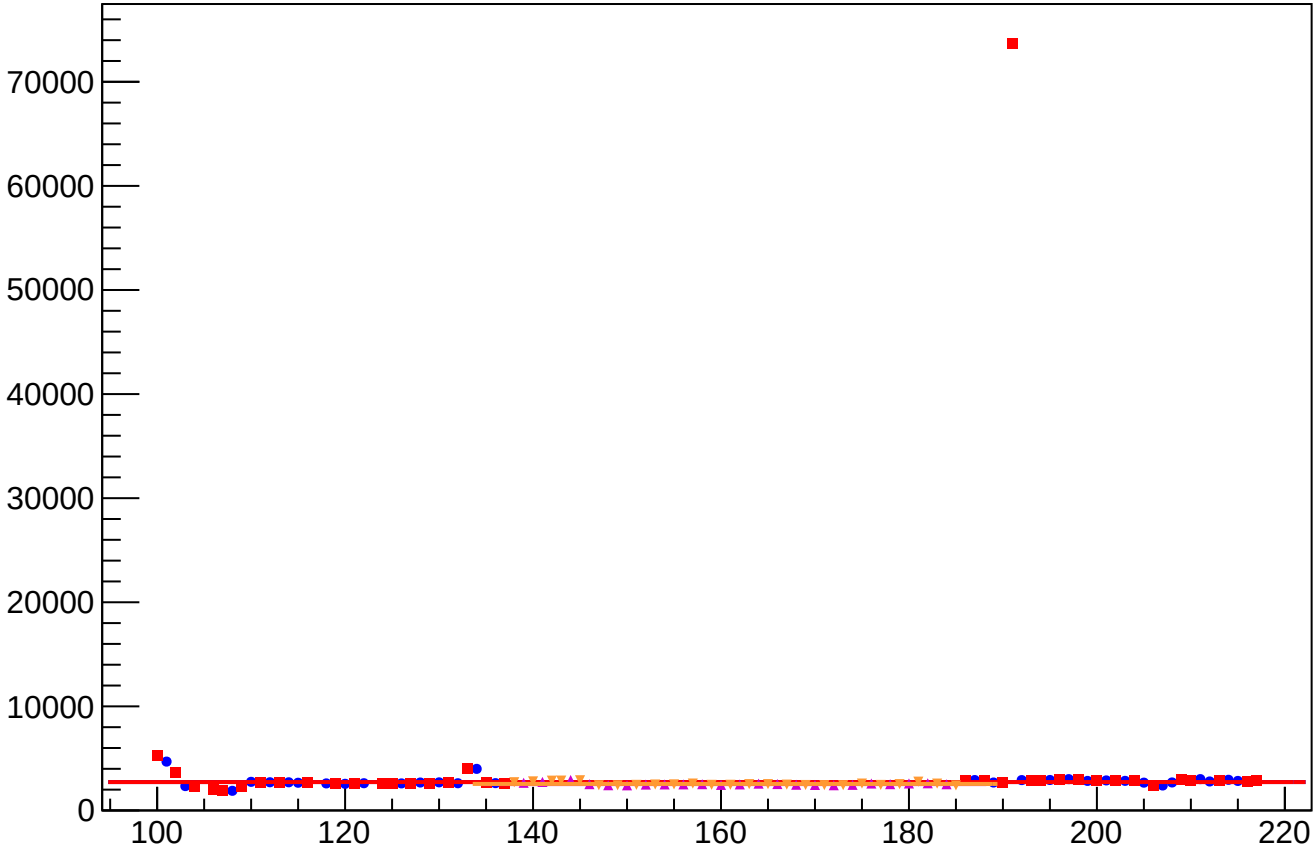
Right: 2493.724+/-437.646 χ^2/NDF: 59.9/66

In: 3356.669+/-430.367 χ^2/NDF:33.5/53

Out: 1326.438+/-420.705 χ^2/NDF:64.1/60

All: 2318.509+/-300.841 χ^2/NDF: 109.0/114

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: 2726.715+/-0.432 χ^2/NDF: 706836.4/35

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

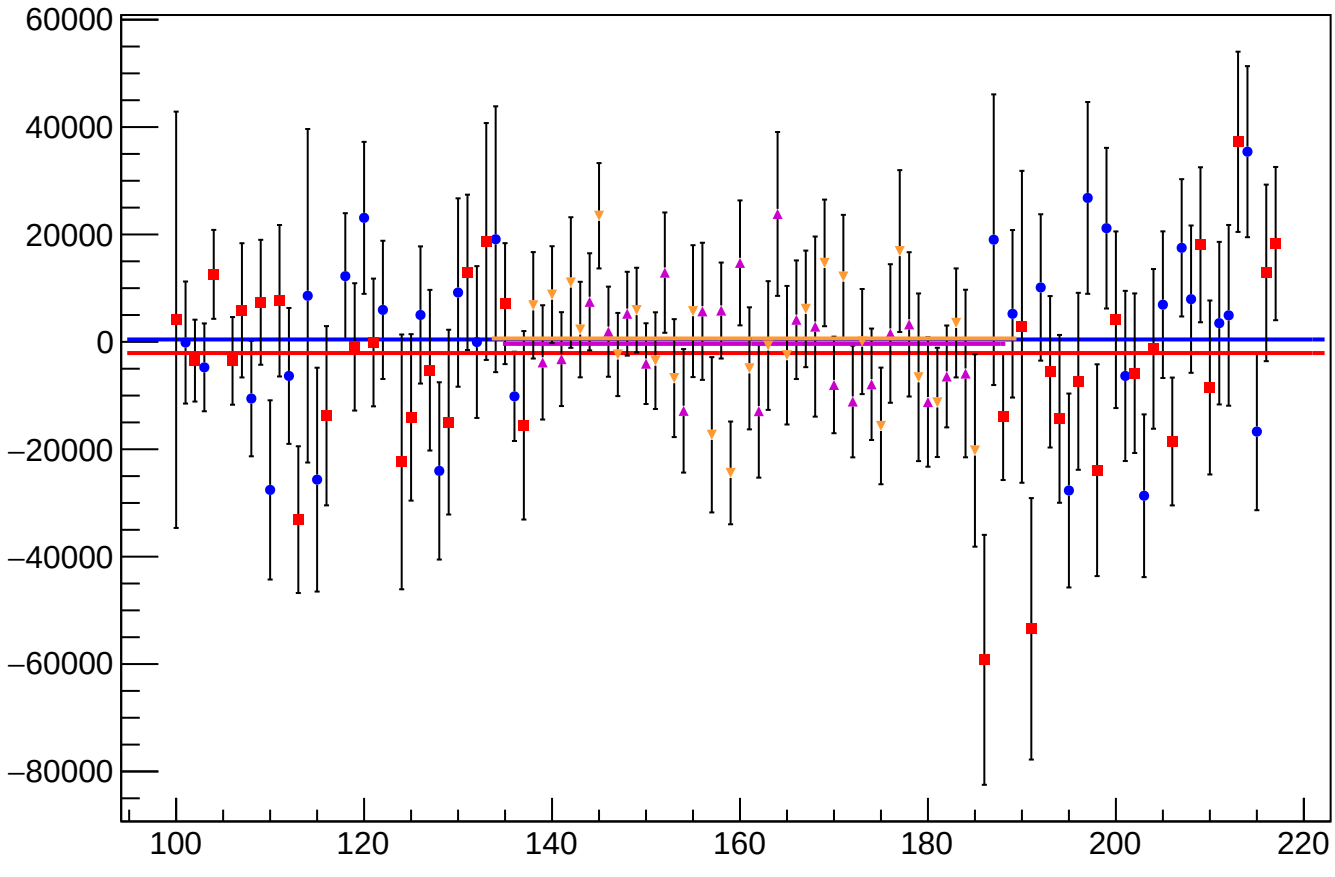
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2728.154+/-0.309 χ^2/NDF: 1321291.0/66

In: 2625.651+/-0.304 χ^2/NDF:787192.5/53

Out: 2632.162+/-0.297 χ^2/NDF:914980.3/60

All: 2628.981+/-0.213 χ^2/NDF: 1702406.9/11



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: -2080.330+/-2299.972 χ^2/NDF: 41.7/35

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

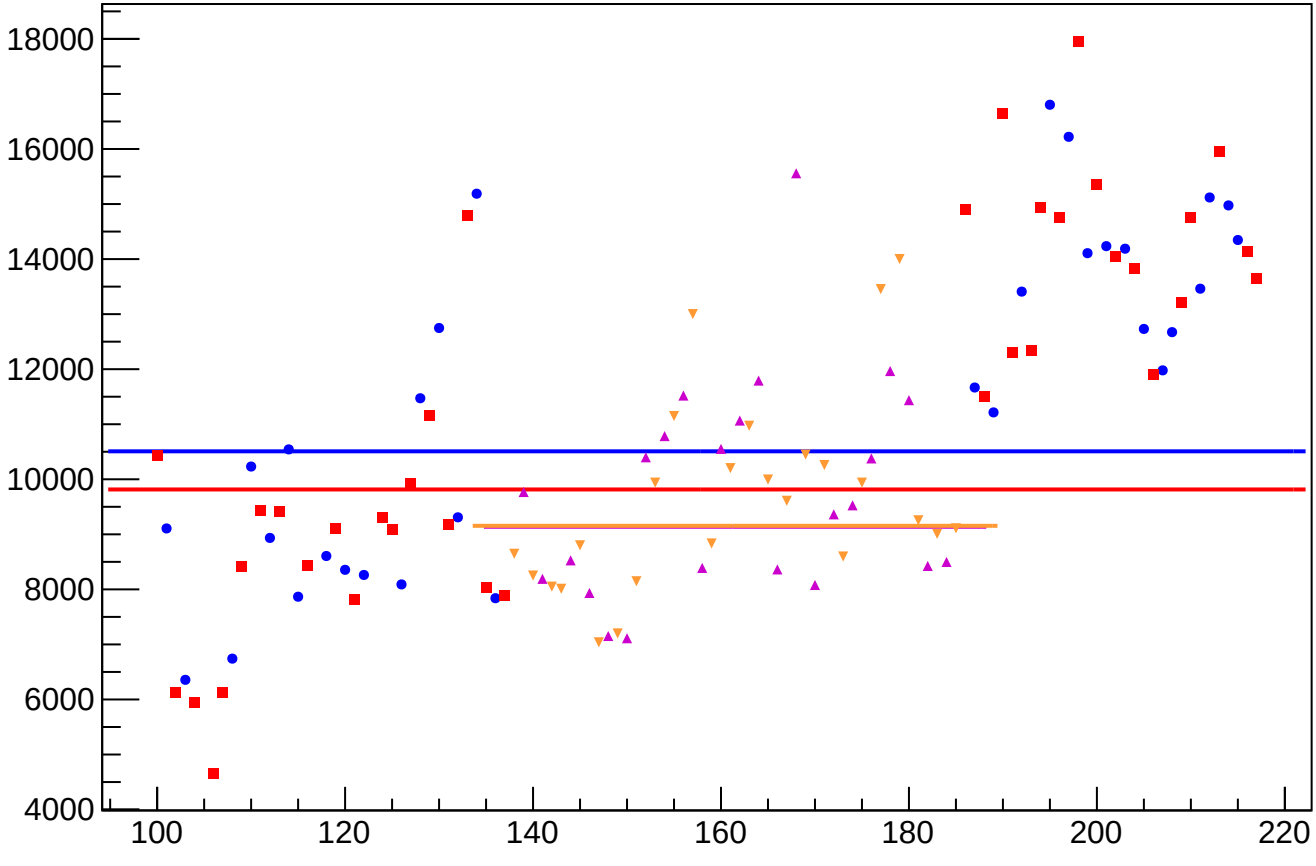
Right: -922.109+/-1692.342 χ^2/NDF: 77.1/66

In: -22.859+/-1641.229 χ^2/NDF:49.1/53

Out: -616.222+/-1560.045 χ^2/NDF:69.1/60

All: -334.578+/-1130.730 χ^2/NDF: 118.3/114

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



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: 9815.085+/-1.626 χ^2/NDF: 4696415.8/35

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

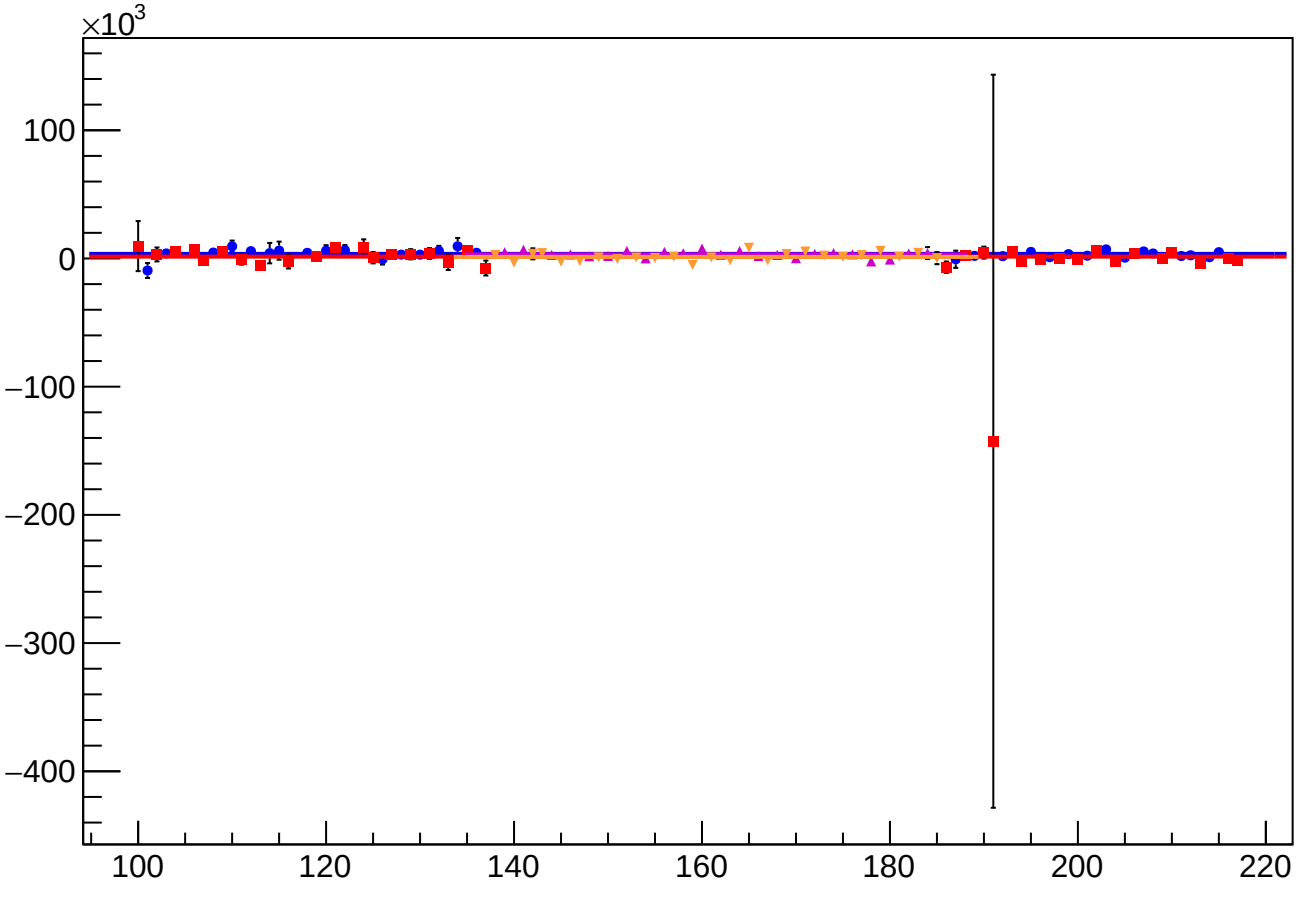
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 10132.823+/-1.197 χ^2/NDF: 7737706.7/66

In: 9728.621+/-1.161 χ^2/NDF:4472854.7/53

Out: 9458.521+/-1.103 χ^2/NDF:5857518.0/60

All: 9586.725+/-0.800 χ^2/NDF: 10358829.5/1



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: 1451.705+/-611.516 χ^2/NDF: 37.2/35

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

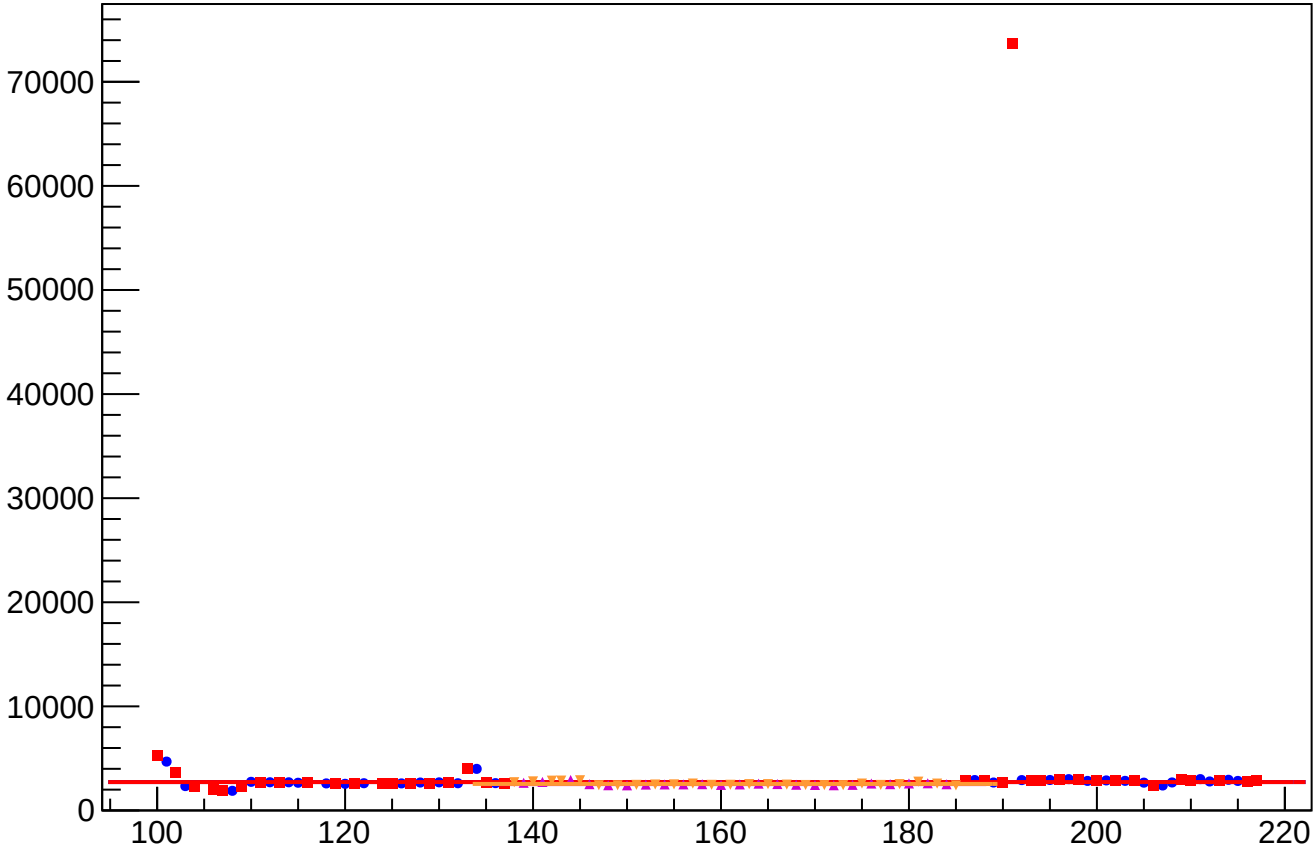
Right: 2493.723+/-437.646 χ^2/NDF: 59.9/66

In: 3356.665+/-430.367 χ^2/NDF:33.5/53

Out: 1326.435+/-420.705 χ^2/NDF:64.1/60

All: 2318.505+/-300.841 χ^2/NDF: 109.0/114

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: 2726.715+/-0.432 χ^2/NDF: 706836.3/35

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

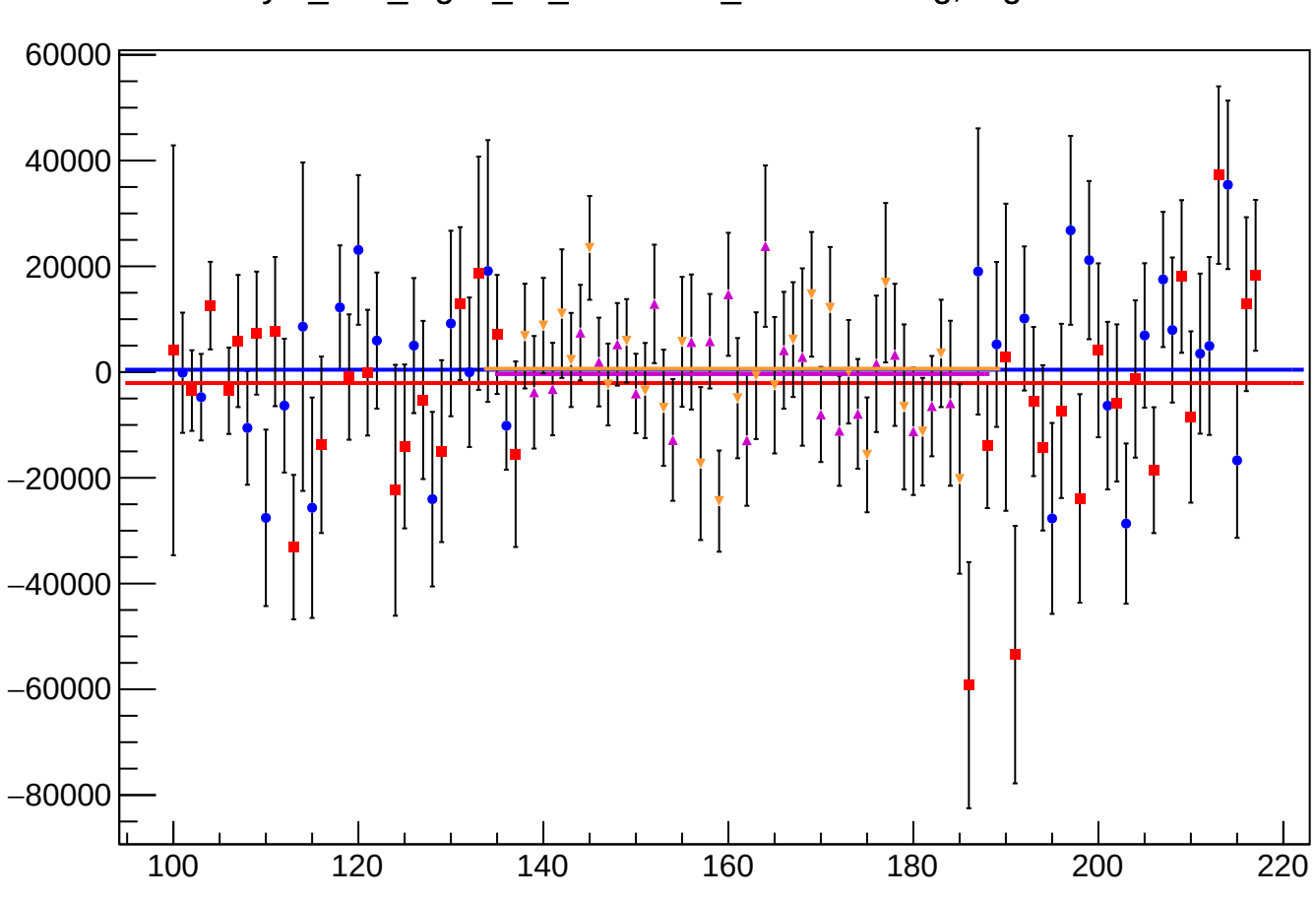
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2728.154+/-0.309 χ^2/NDF: 1321291.7/66

In: 2625.652+/-0.304 χ^2/NDF:787190.7/53

Out: 2632.163+/-0.297 χ^2/NDF:914978.5/60

All: 2628.982+/-0.213 χ^2/NDF: 1702403.3/11



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: -2080.323+/-2299.971 χ^2/NDF: 41.7/35

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

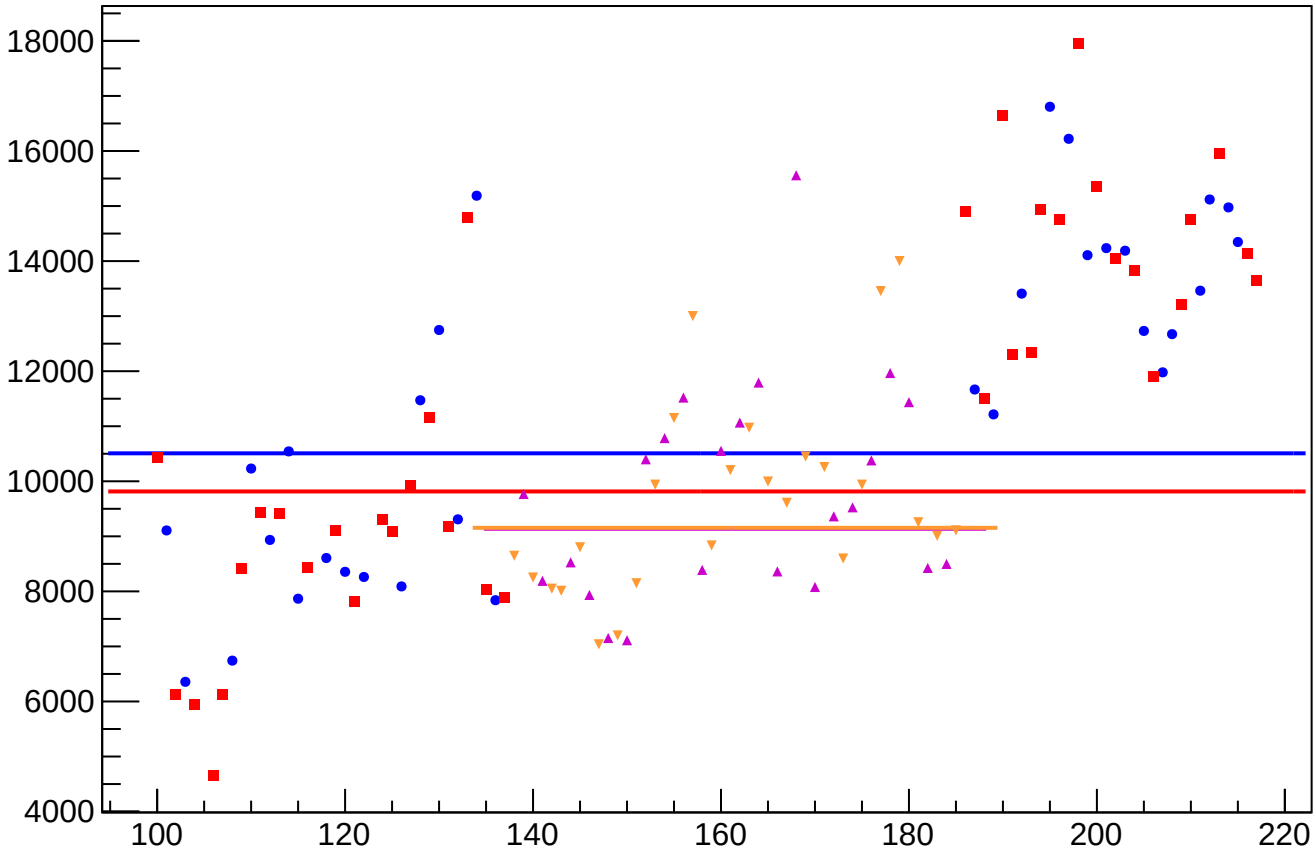
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -922.100+/-1692.342 χ^2/NDF: 77.1/66

In: -22.855+/-1641.230 χ^2/NDF:49.1/53

Out: -616.224+/-1560.046 χ^2/NDF:69.1/60

All: -334.578+/-1130.731 χ^2/NDF: 118.3/114



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: 9815.076+/-1.626 χ^2/NDF: 4696441.2/35

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

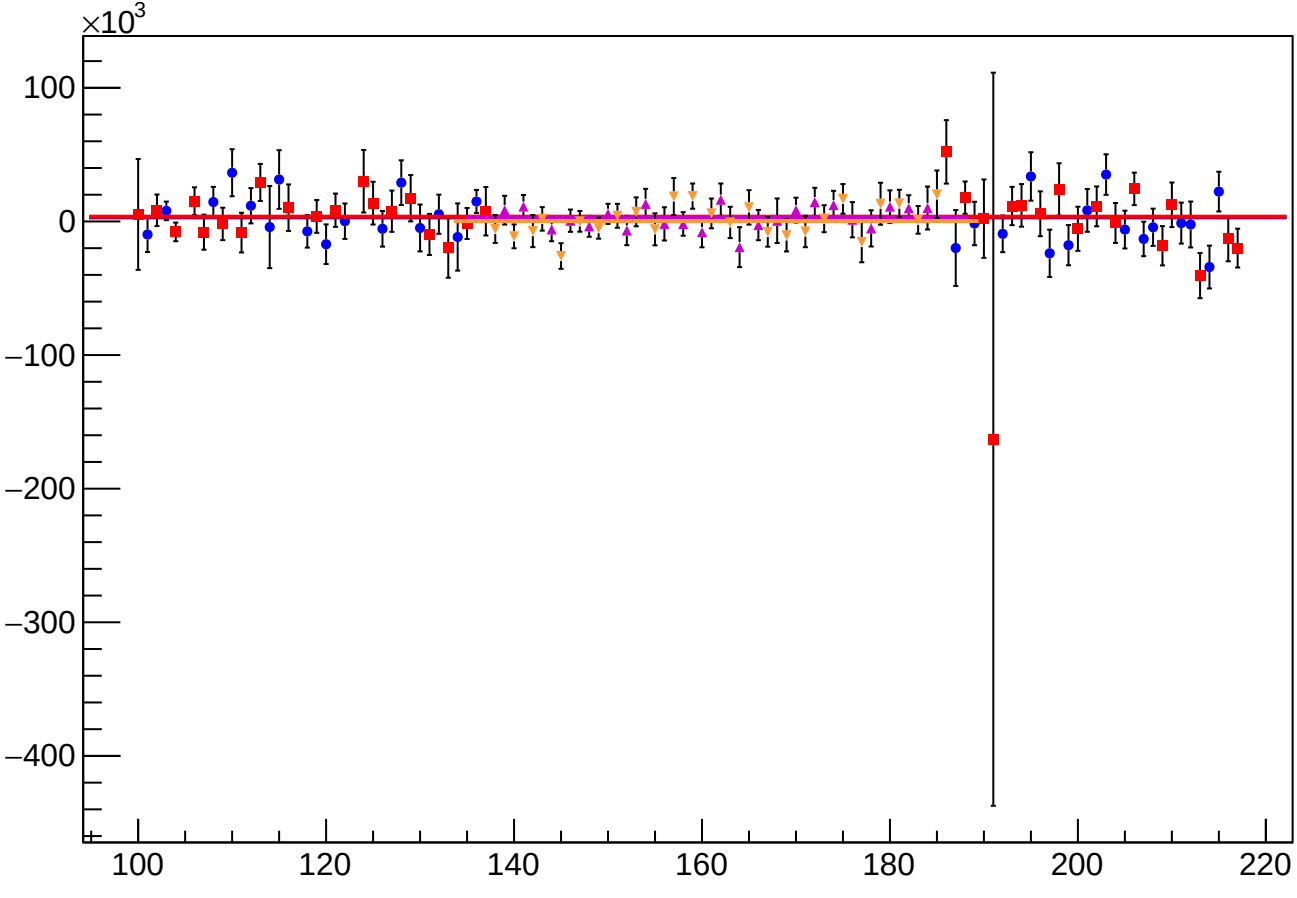
Right: 10132.815+/-1.197 χ^2/NDF: 7737750.3/66

In: 9728.628+/-1.161 χ^2/NDF:4472865.8/53

Out: 9458.525+/-1.103 χ^2/NDF:5857538.8/60

All: 9586.731+/-0.800 χ^2/NDF: 10358861.8/1

asym_atr2_mean vs Slug, Sign Corrected



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: 3563.601+/-2422.676 χ^2/NDF: 38.0/35

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

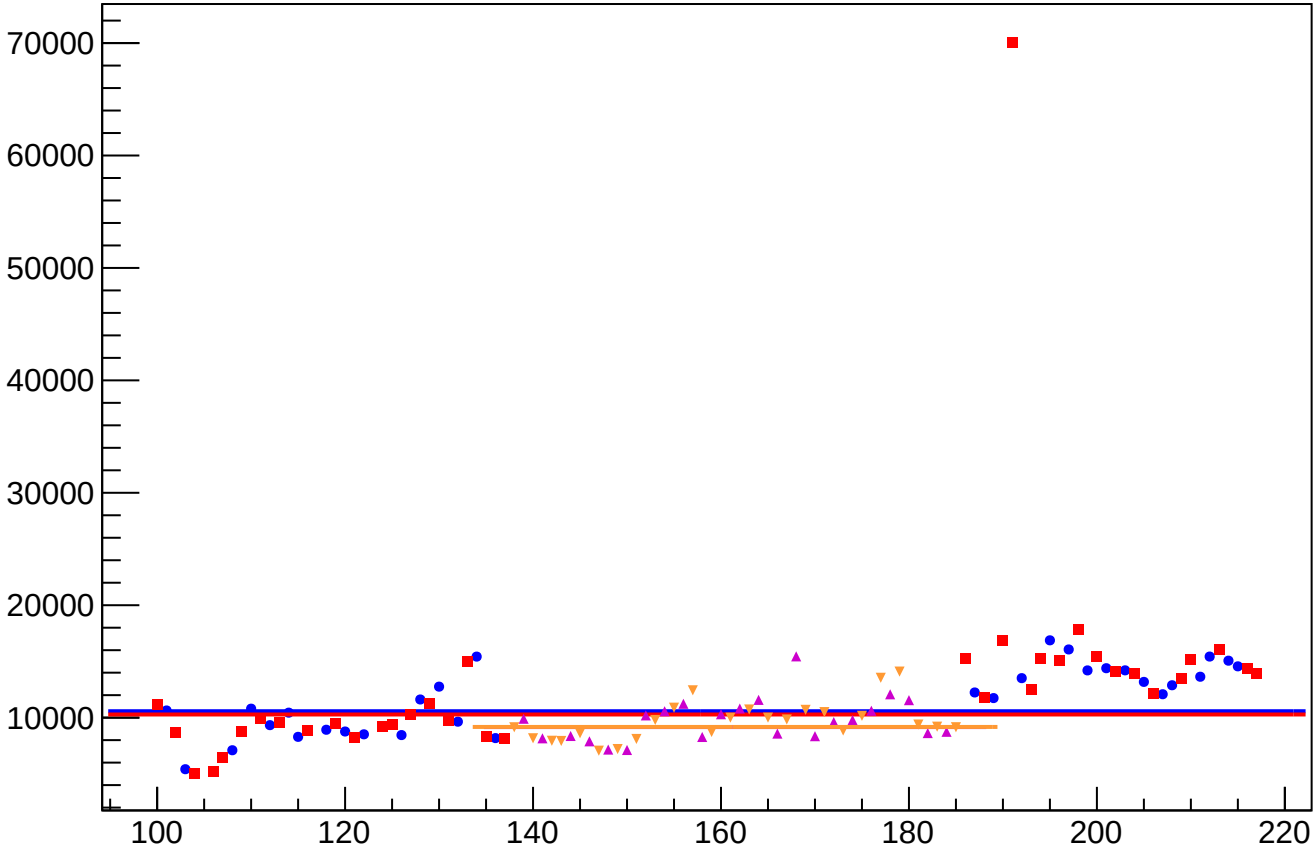
Right: 3317.063+/-1748.488 χ^2/NDF: 76.9/66

In: 3154.863+/-1650.315 χ^2/NDF:52.4/53

Out: 1716.572+/-1597.701 χ^2/NDF:65.4/60

All: 2412.425+/-1147.895 χ^2/NDF: 118.1/114

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: 10280.987+/-1.713 χ^2/NDF: 4415931.0/35

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

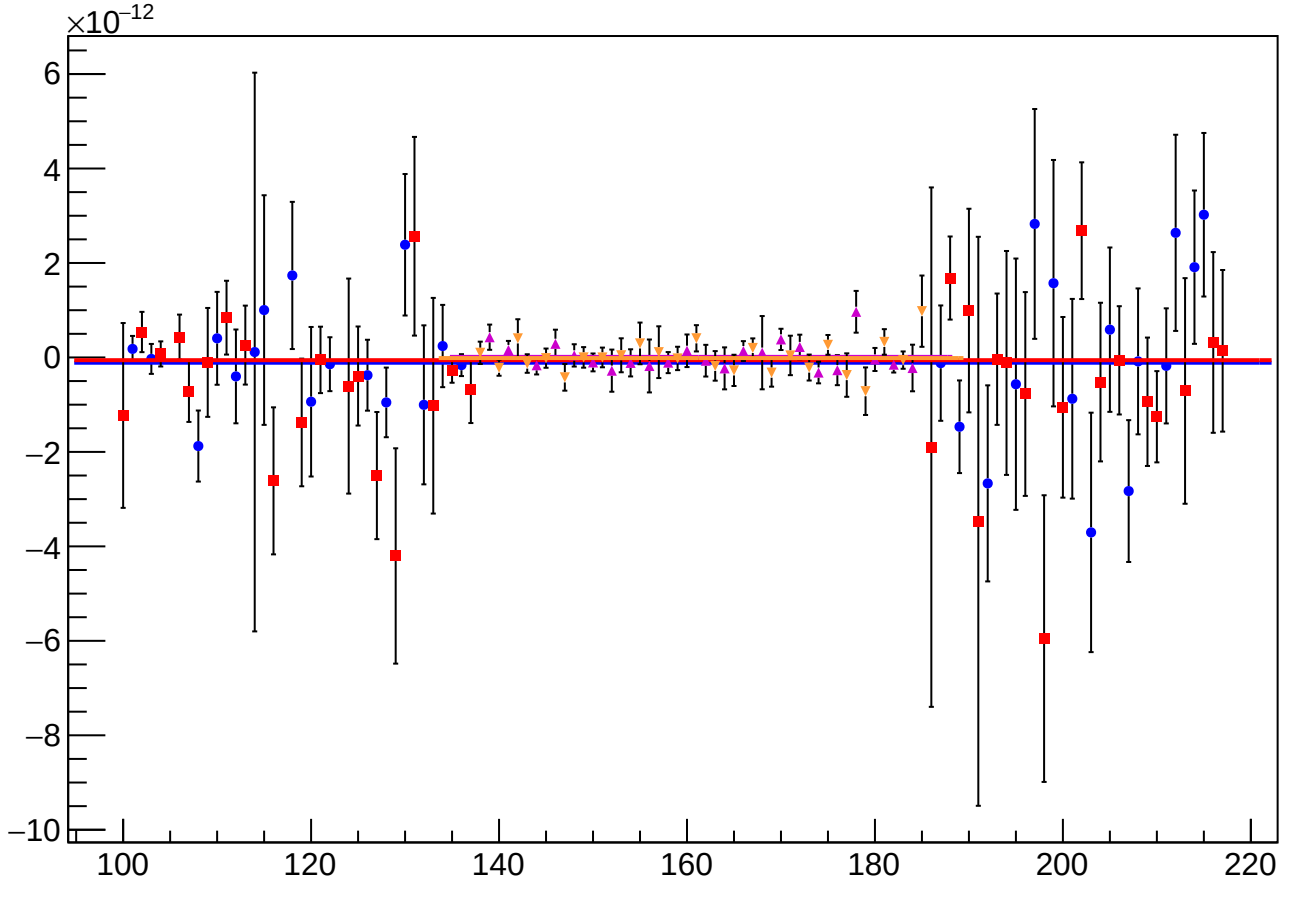
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10420.116+/-1.236 χ^2/NDF: 7773310.6/66

In: 9763.723+/-1.167 χ^2/NDF:4827857.6/53

Out: 9654.788+/-1.130 χ^2/NDF:5709345.4/60

All: 9707.491+/-0.812 χ^2/NDF: 10541701.3/1



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: 34.1/35

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

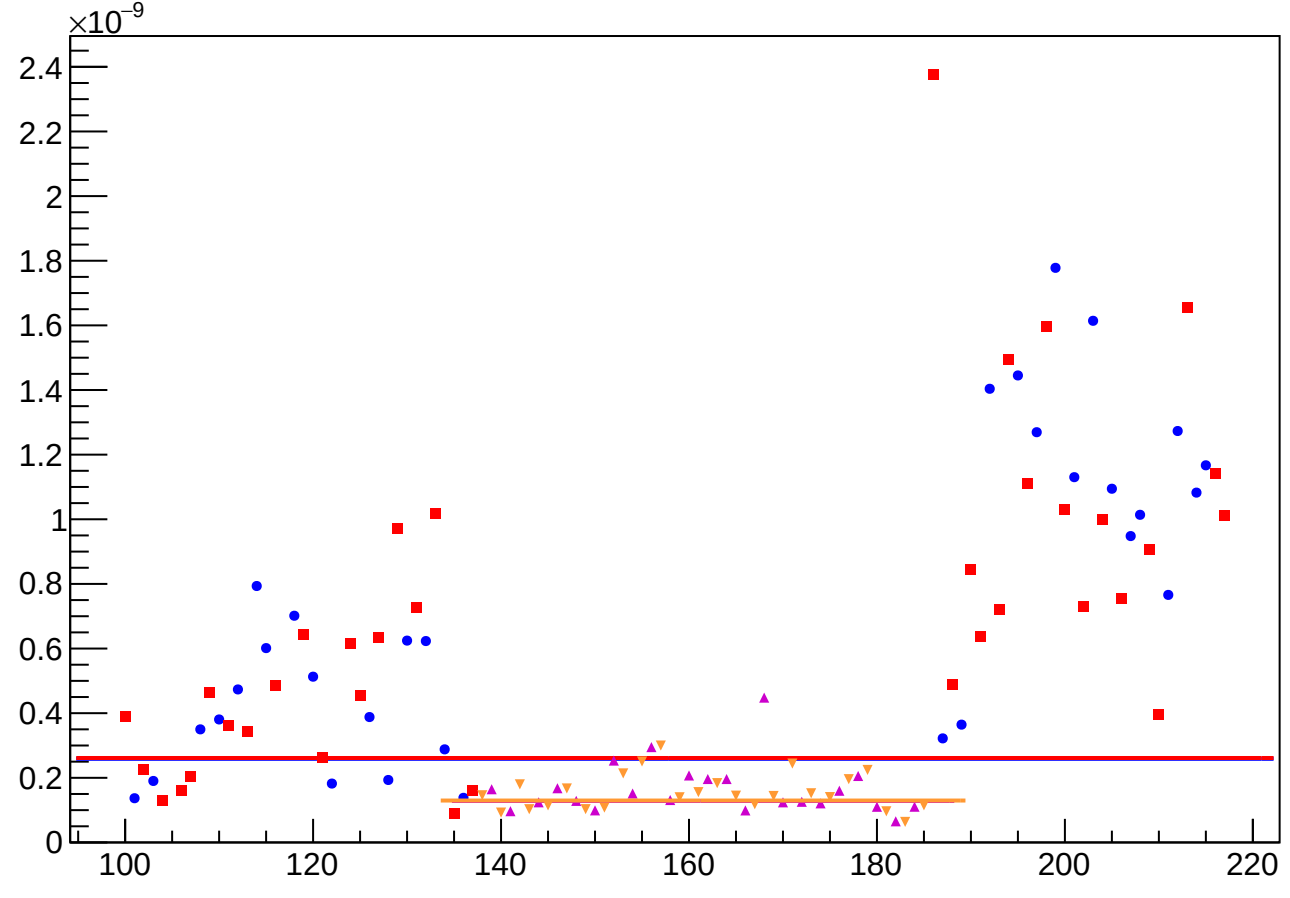
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/66

In: -0.000+/-0.000 χ^2/NDF:51.1/53

Out: -0.000+/-0.000 χ^2/NDF:53.6/60

All: -0.000+/-0.000 χ^2/NDF: 104.7/114



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: 7872953.8/35

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

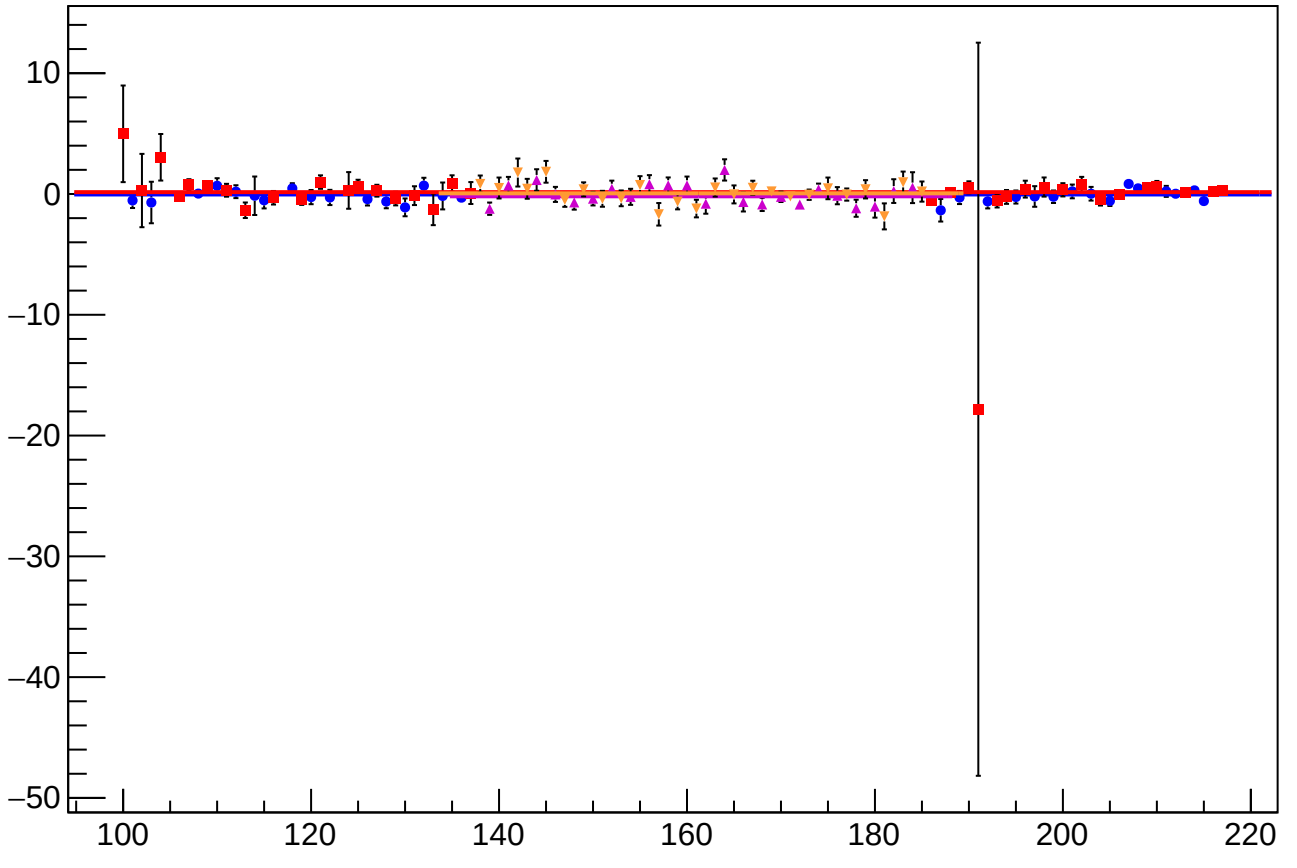
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15870962.3/66

In: 0.000+/-0.000 χ^2/NDF:11275038.0/53

Out: 0.000+/-0.000 χ^2/NDF:11005600.8/60

All: 0.000+/-0.000 χ^2/NDF: 22280666.1/114



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: 0.152+/-0.081 χ^2/NDF: 37.2/35

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

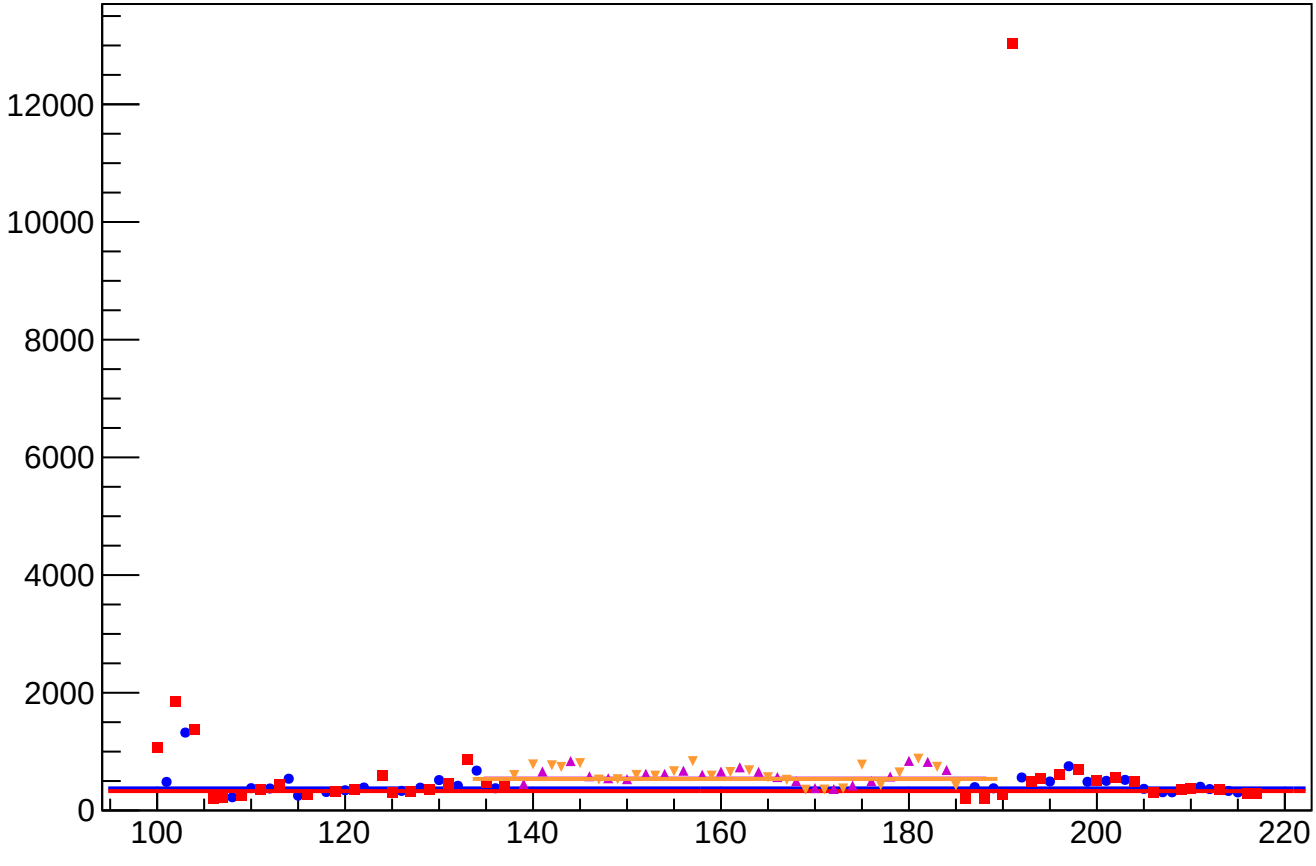
Right: 0.068+/-0.060 χ^2/NDF: 68.0/66

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.125+/-0.068 χ^2/NDF:62.3/60

All: 0.028+/-0.051 χ^2/NDF: 127.0/114

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 328.880+/-0.057 χ^2/NDF: 5584330.7/35

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

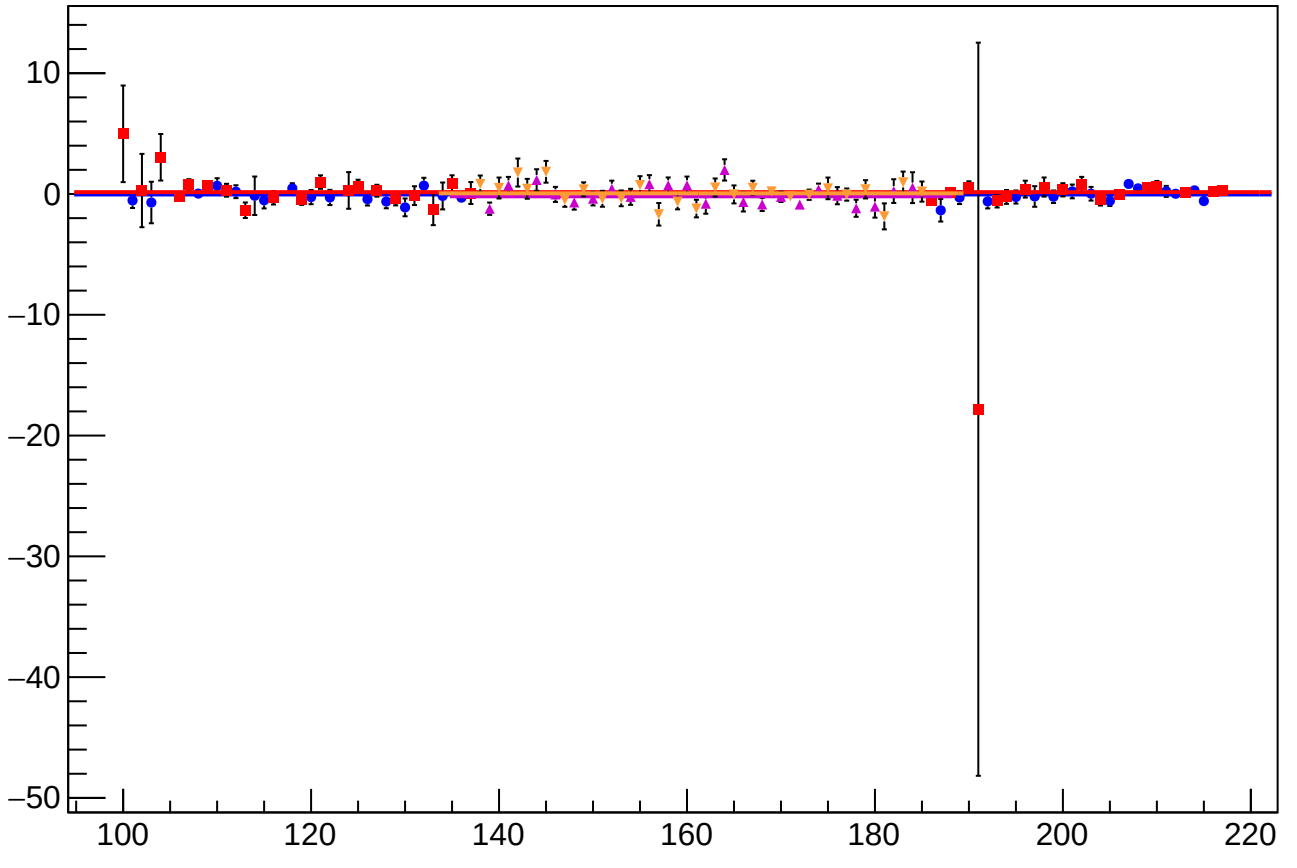
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 349.177+/-0.043 χ^2/NDF: 8559786.8/66

In: 427.352+/-0.053 χ^2/NDF:6719457.1/53

Out: 386.776+/-0.048 χ^2/NDF:12017581.7/60

All: 405.246+/-0.036 χ^2/NDF: 19056681.1/11



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.152+/-0.081 χ^2/NDF: 37.2/35

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

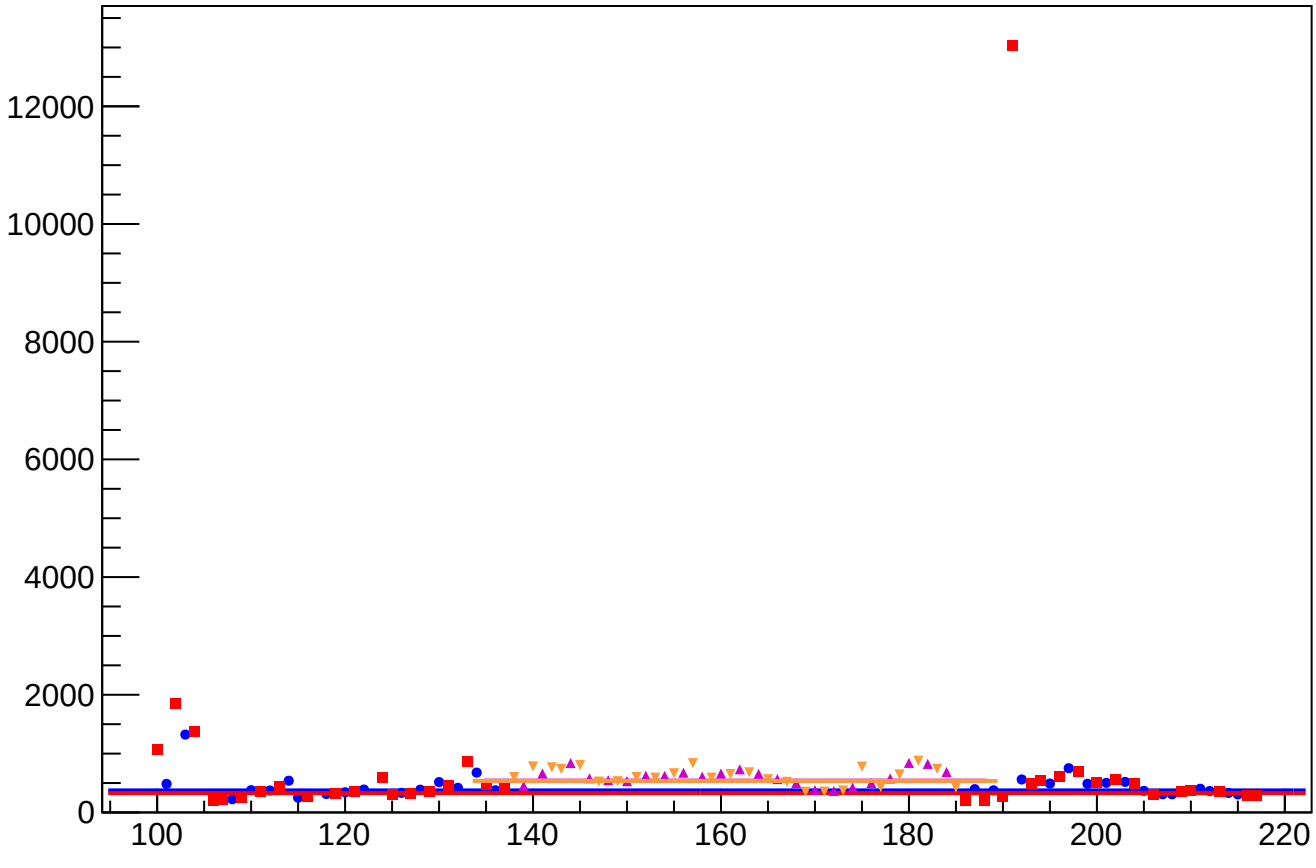
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.068+/-0.060 χ^2/NDF: 68.0/66

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.125+/-0.068 χ^2/NDF:62.3/60

All: 0.028+/-0.051 χ^2/NDF: 127.0/114



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: 328.880+/-0.057 χ^2/NDF: 5584330.7/35

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

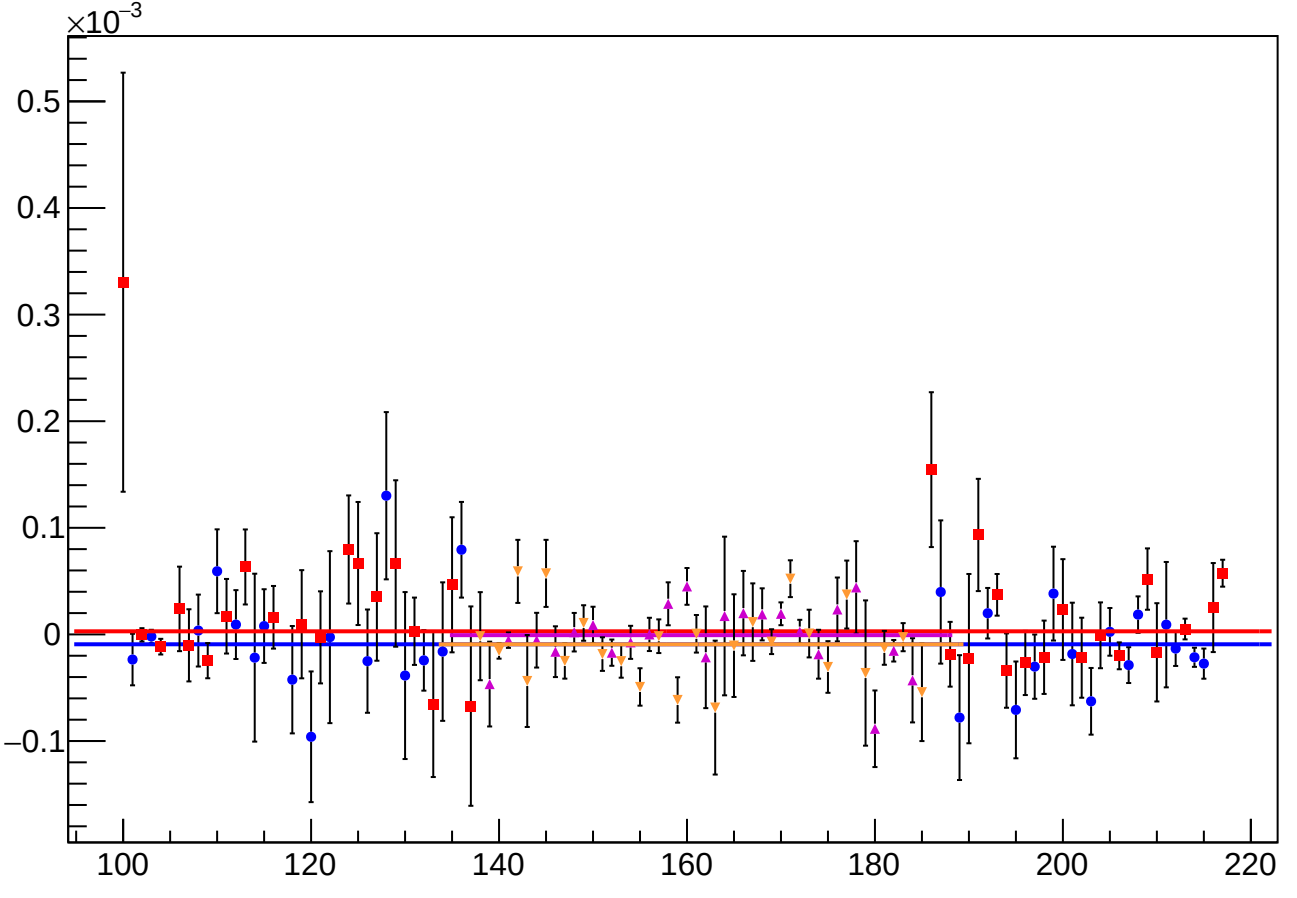
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 349.177+/-0.043 χ^2/NDF: 8559786.8/66

In: 427.352+/-0.053 χ^2/NDF:6719457.1/53

Out: 386.776+/-0.048 χ^2/NDF:12017581.7/60

All: 405.246+/-0.036 χ^2/NDF: 19056681.1/11



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: 59.5/35

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

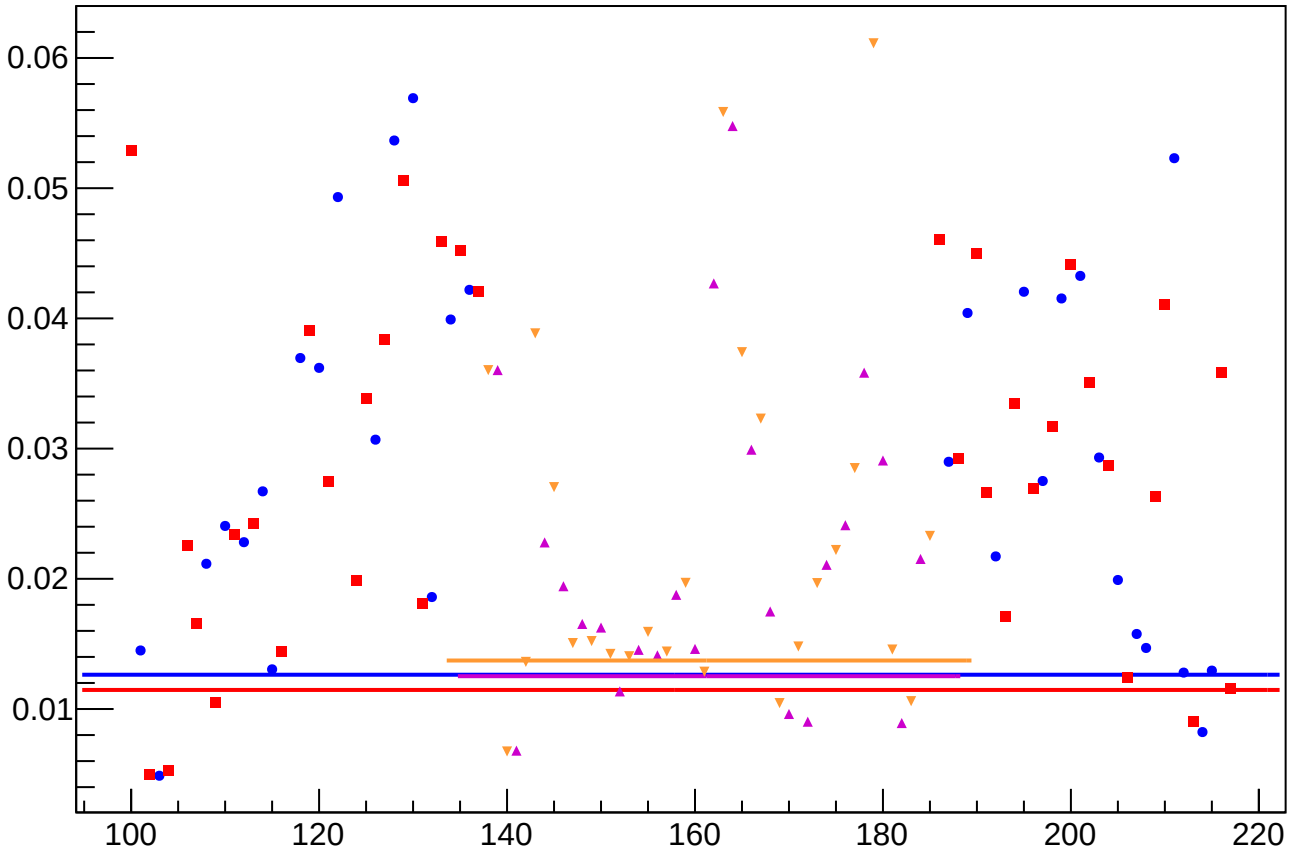
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 98.7/66

In: -0.000+/-0.000 χ^2/NDF:66.1/53

Out: -0.000+/-0.000 χ^2/NDF:110.9/60

All: -0.000+/-0.000 χ^2/NDF: 177.3/114



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: 16292998.5/35

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

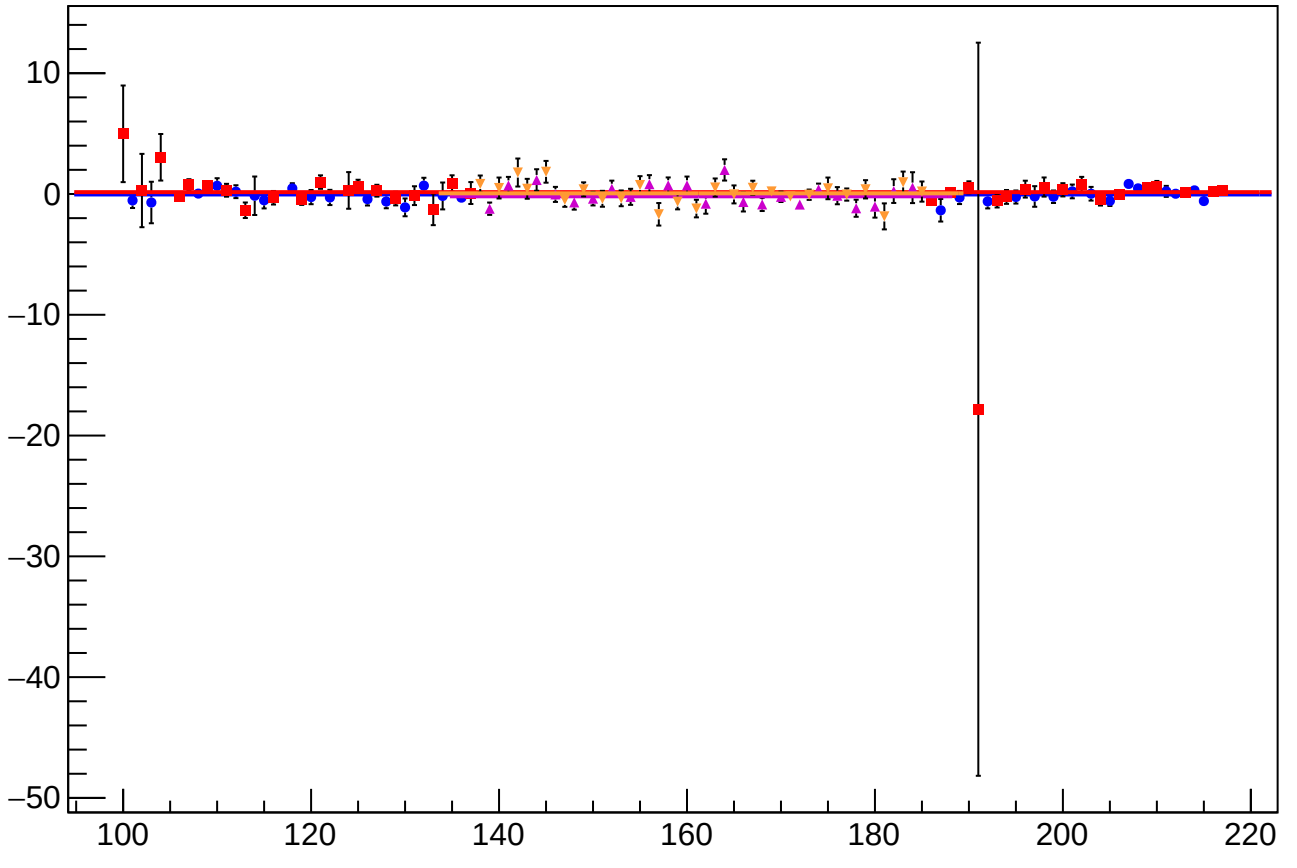
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 30119637.3/66

In: 0.013+/-0.000 χ^2/NDF:20840783.0/53

Out: 0.013+/-0.000 χ^2/NDF:24436569.9/60

All: 0.013+/-0.000 χ^2/NDF: 45278095.3/114



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: 0.152+/-0.081 χ^2/NDF: 37.2/35

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

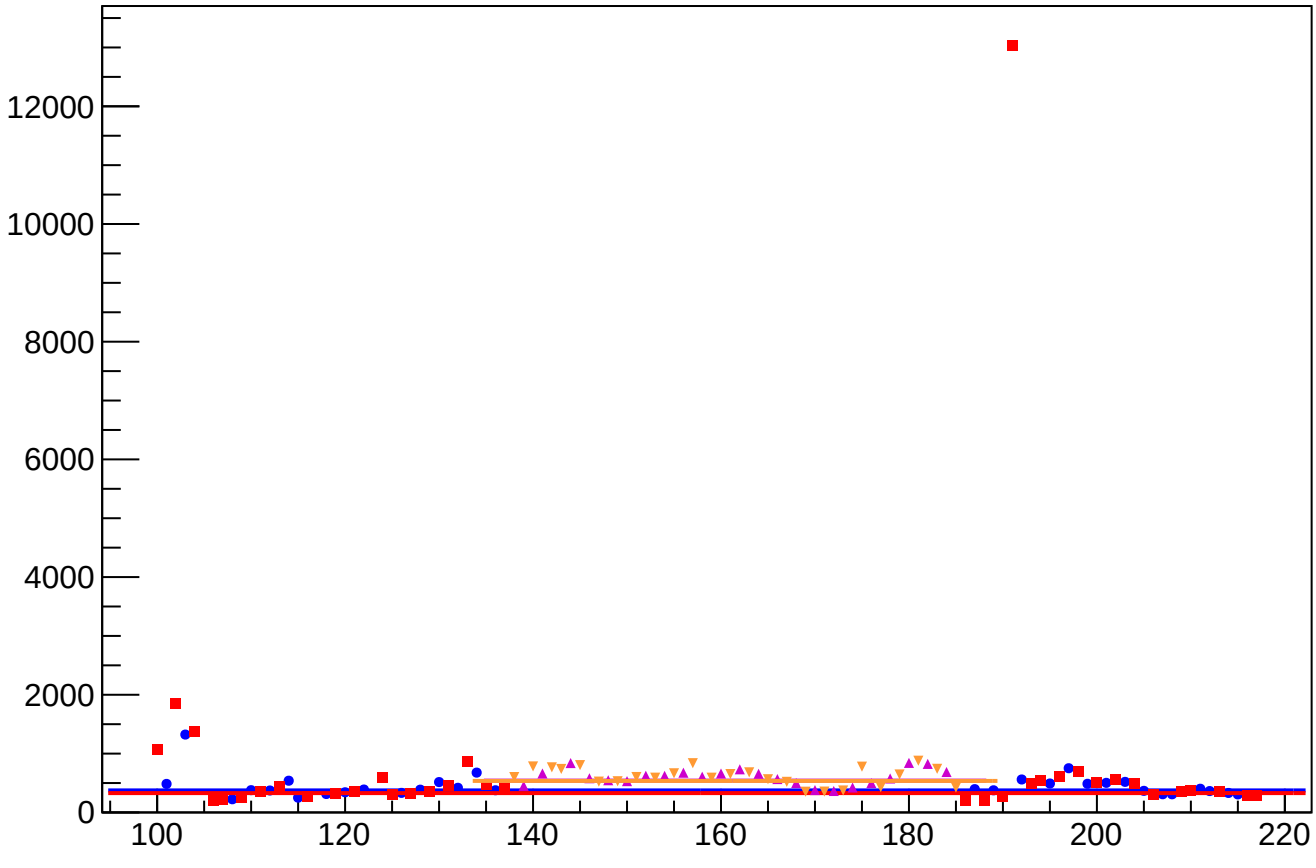
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.068+/-0.060 χ^2/NDF: 68.0/66

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.125+/-0.068 χ^2/NDF:62.3/60

All: 0.028+/-0.051 χ^2/NDF: 127.0/114



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: 328.880+/-0.057 χ^2/NDF: 5584280.1/35

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

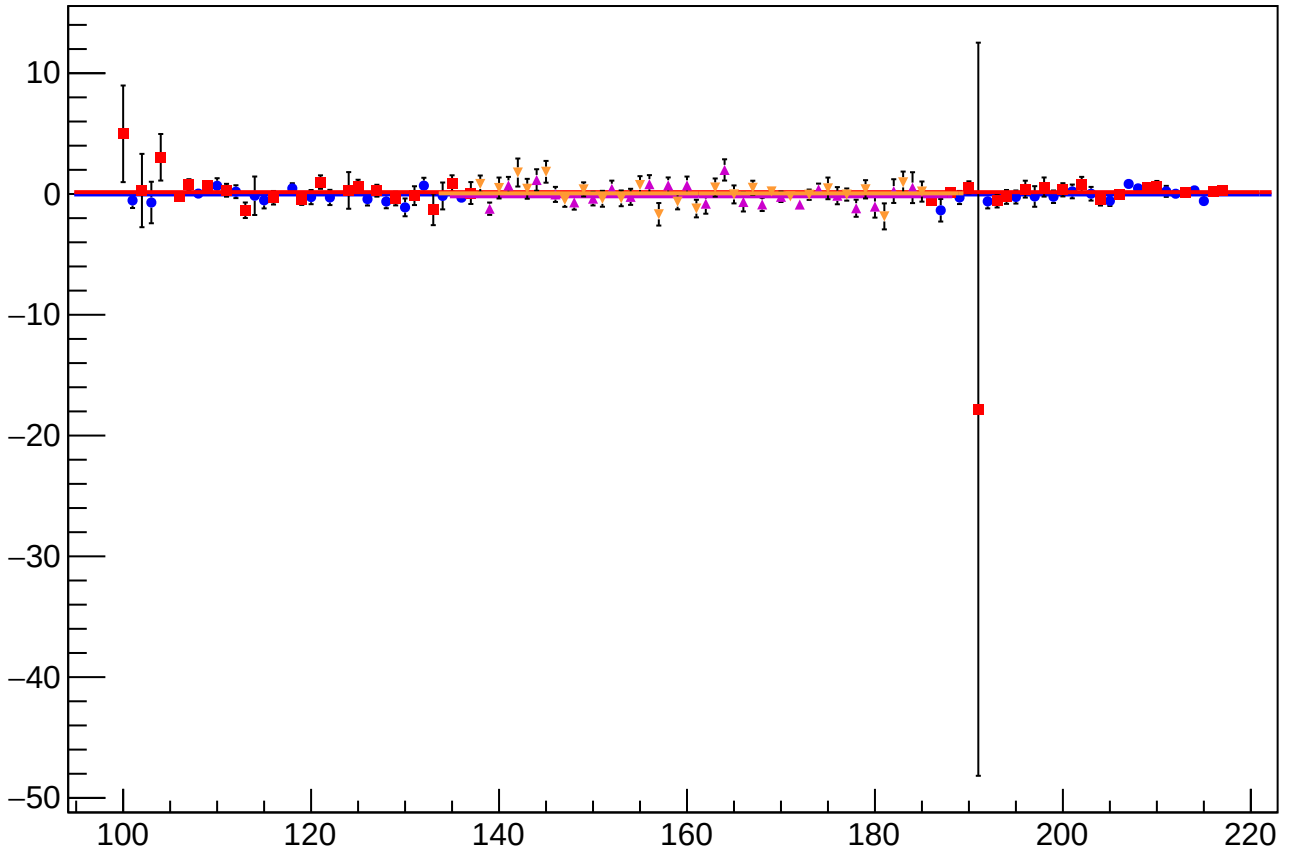
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 349.176+/-0.043 χ^2/NDF: 8559747.7/66

In: 427.351+/-0.053 χ^2/NDF:6719692.5/53

Out: 386.777+/-0.048 χ^2/NDF:12017737.5/60

All: 405.246+/-0.036 χ^2/NDF: 19057053.9/11



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.152+/-0.081 χ^2/NDF: 37.2/35

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

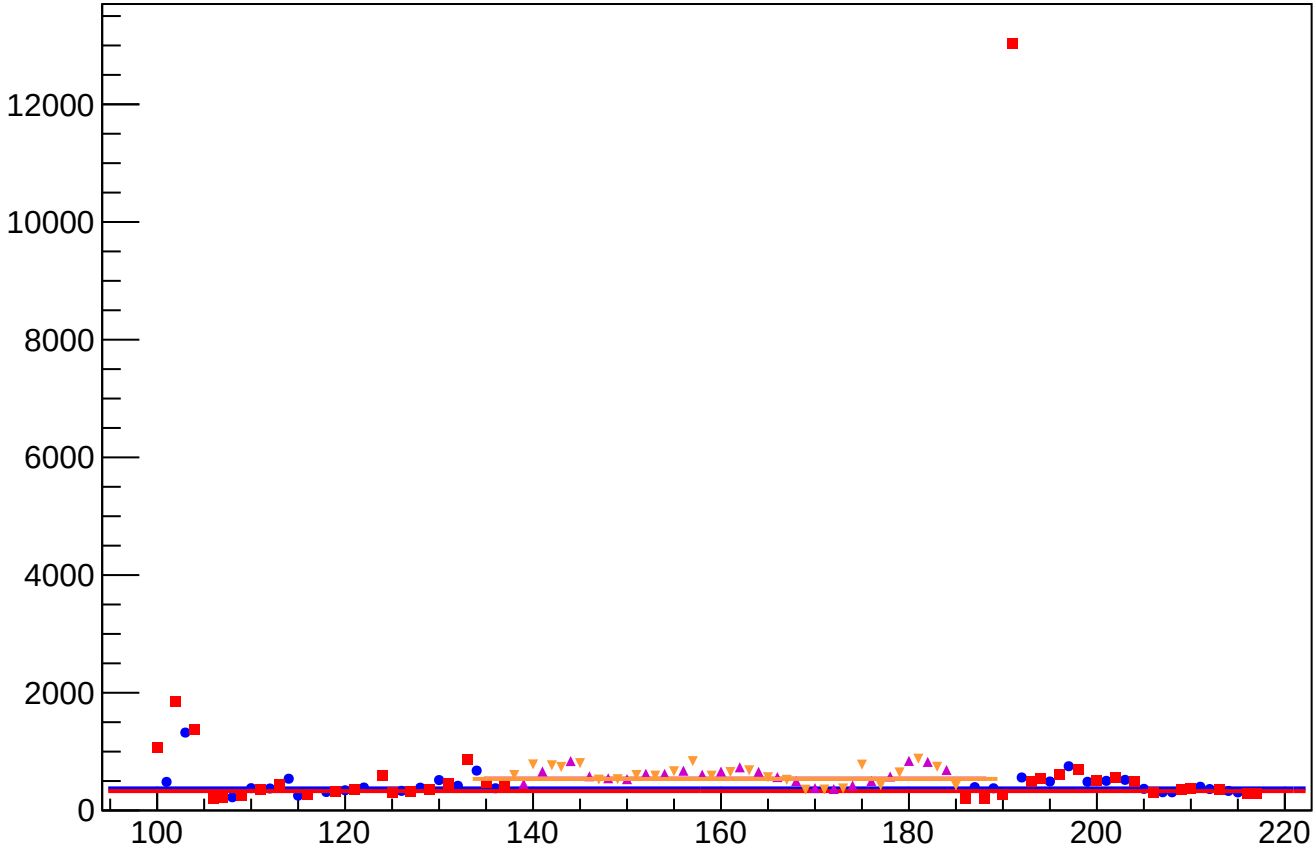
Right: 0.068+/-0.060 χ^2/NDF: 68.0/66

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.125+/-0.068 χ^2/NDF:62.3/60

All: 0.028+/-0.051 χ^2/NDF: 127.0/114

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 328.880+/-0.057 χ^2/NDF: 5584280.1/35

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

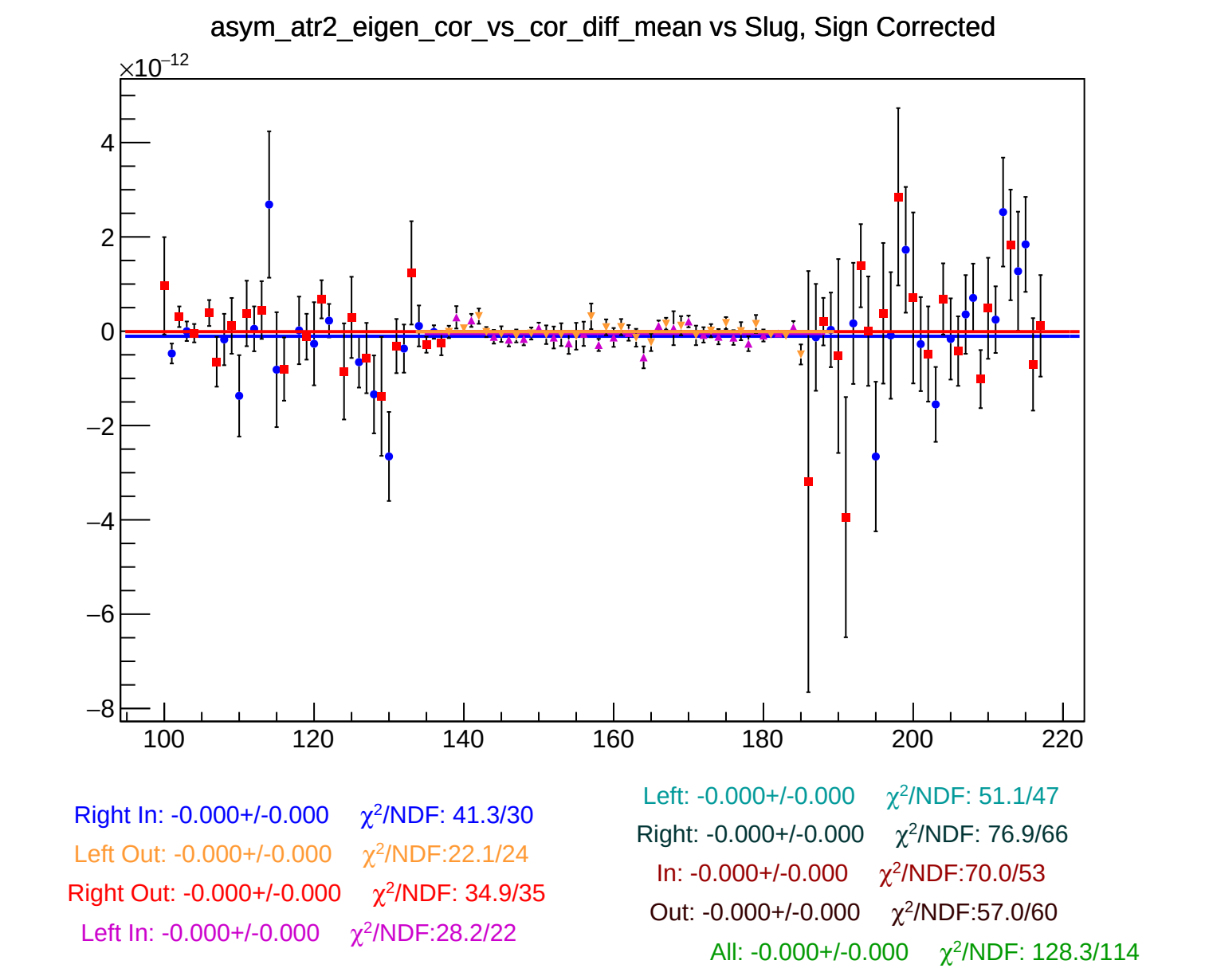
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

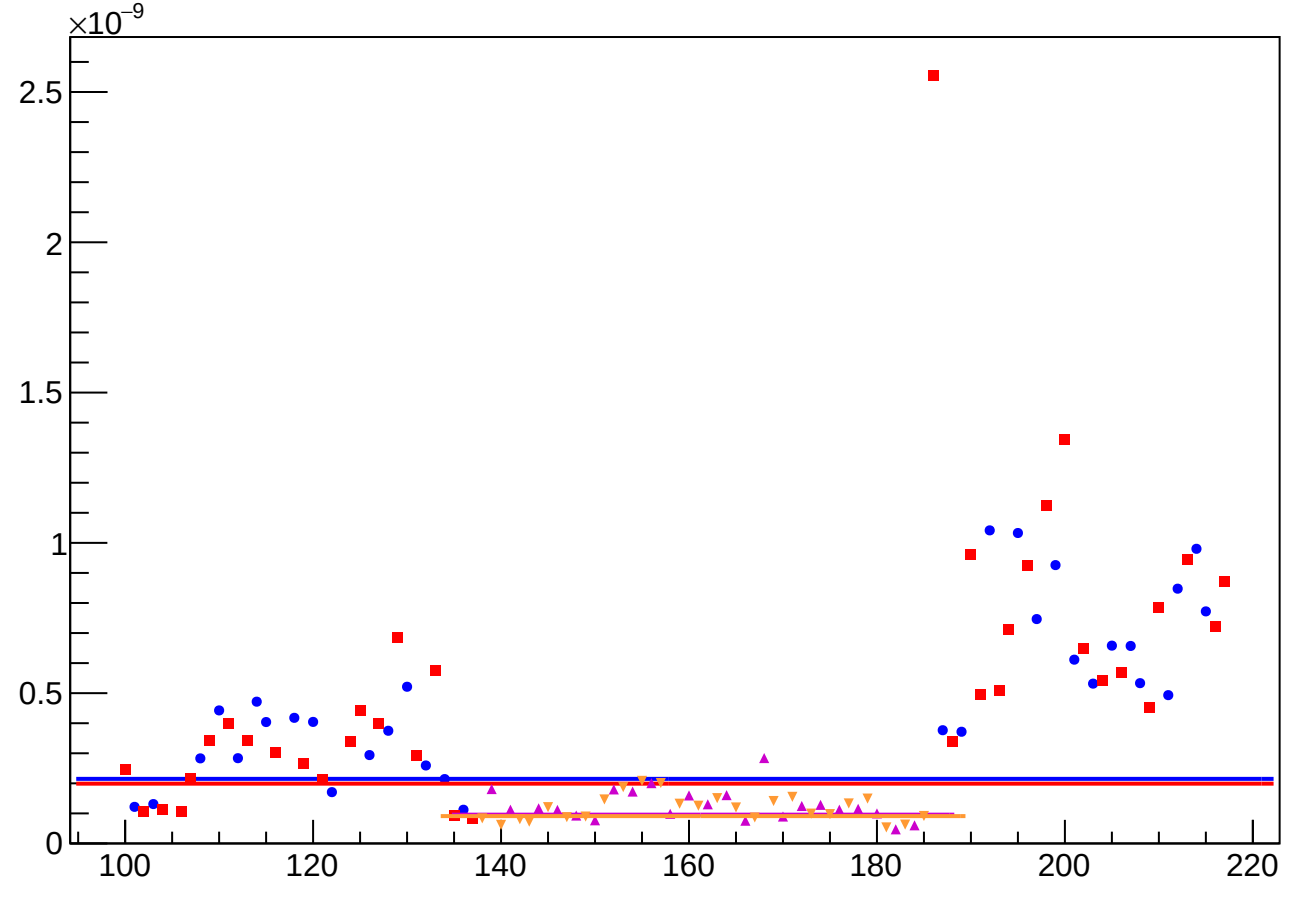
Right: 349.176+/-0.043 χ^2/NDF: 8559747.7/66

In: 427.351+/-0.053 χ^2/NDF:6719692.5/53

Out: 386.777+/-0.048 χ^2/NDF:12017737.5/60

All: 405.246+/-0.036 χ^2/NDF: 19057053.9/11


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: 34.9/35
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: 76.9/66
In: -0.000+/-0.000 χ²/NDF:70.0/53
Out: -0.000+/-0.000 χ²/NDF:57.0/60
All: -0.000+/-0.000 χ²/NDF: 128.3/114



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: 11377174.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

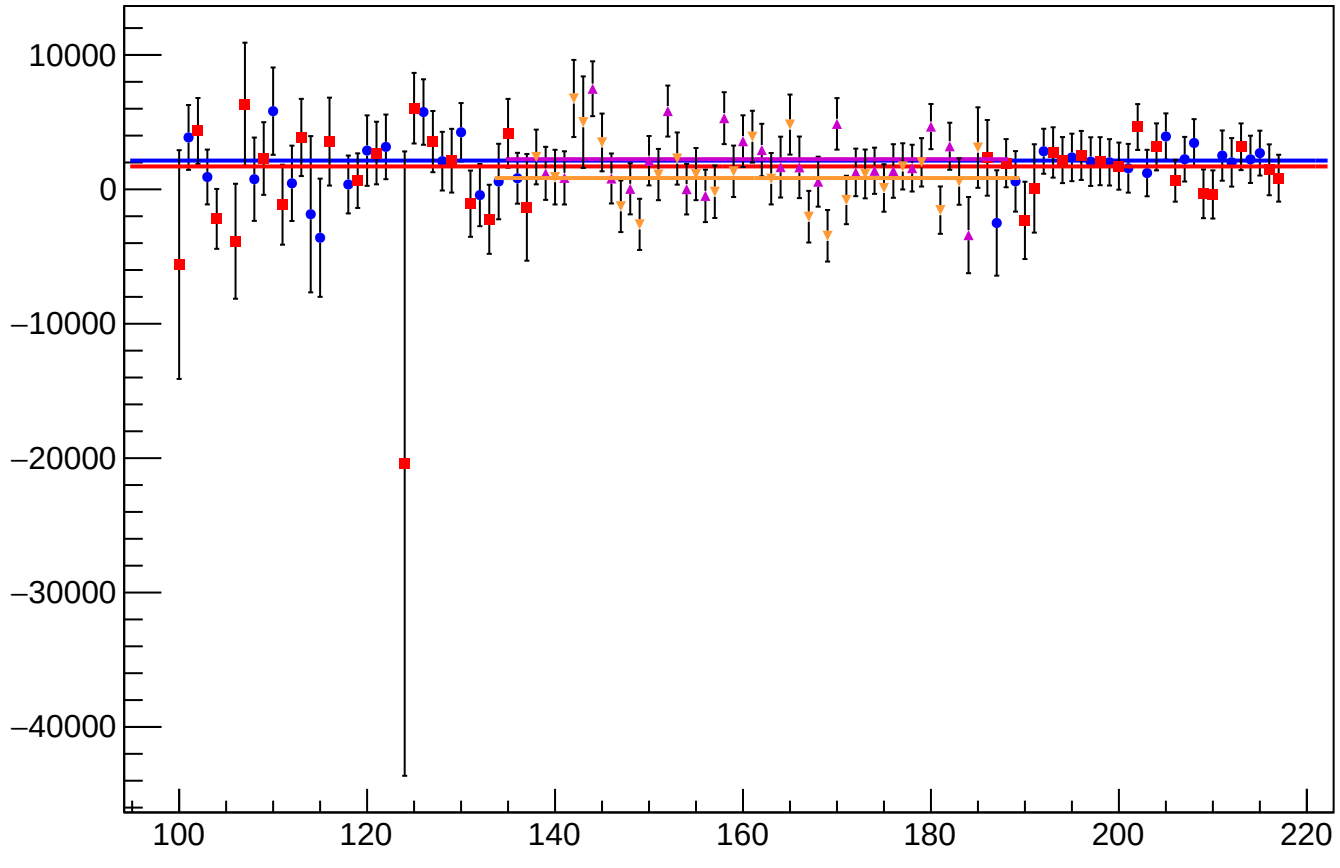
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 20842051.8/66

In: 0.000+/-0.000 χ^2/NDF:17049416.5/53

Out: 0.000+/-0.000 χ^2/NDF:18098299.6/60

All: 0.000+/-0.000 χ^2/NDF: 35201973.6/114



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: 1705.146+/-370.668 χ^2/NDF: 30.0/35

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

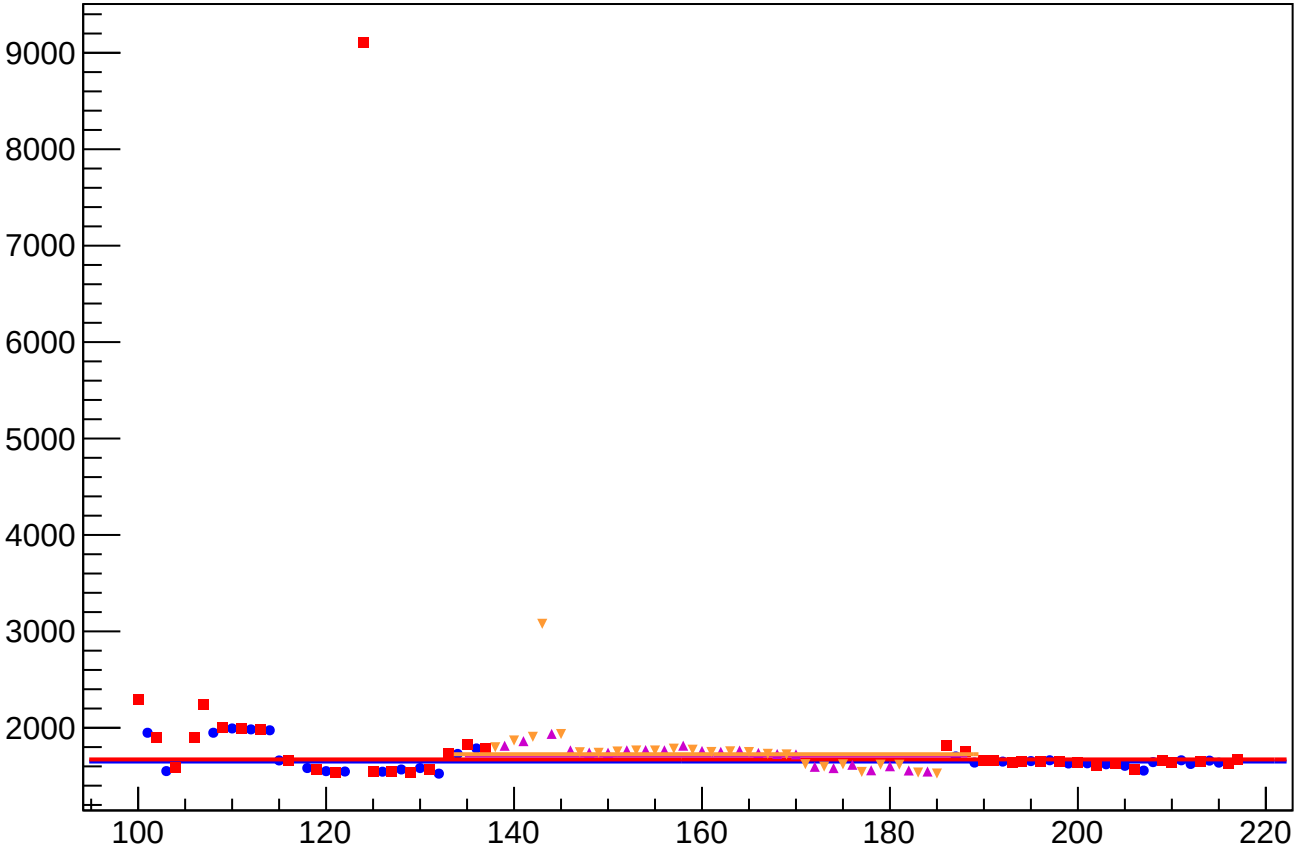
Right: 1919.440+/-264.179 χ^2/NDF: 46.0/66

In: 2189.615+/-274.443 χ^2/NDF:44.7/53

Out: 1300.169+/-270.116 χ^2/NDF:63.0/60

All: 1737.825+/-192.513 χ^2/NDF: 113.0/114

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: 1672.148+/-0.262 χ^2/NDF: 420341.1/35

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

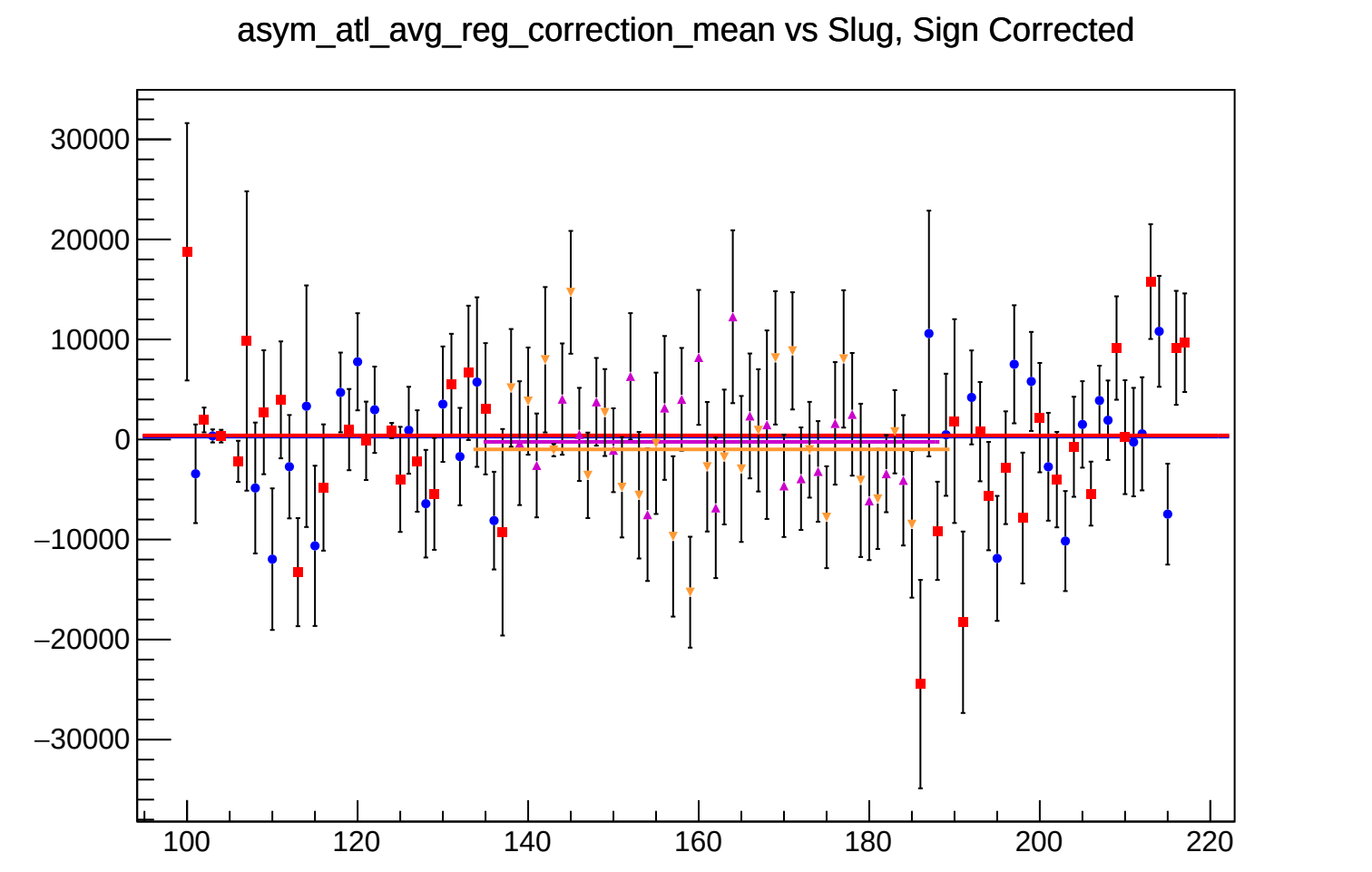
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.397+/-0.187 χ^2/NDF: 579296.1/66

In: 1679.758+/-0.194 χ^2/NDF:310966.7/53

Out: 1697.387+/-0.191 χ^2/NDF:895140.8/60

All: 1688.720+/-0.136 χ^2/NDF: 1210302.6/11



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: 406.923+/-403.903 χ^2/NDF: 55.8/35

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

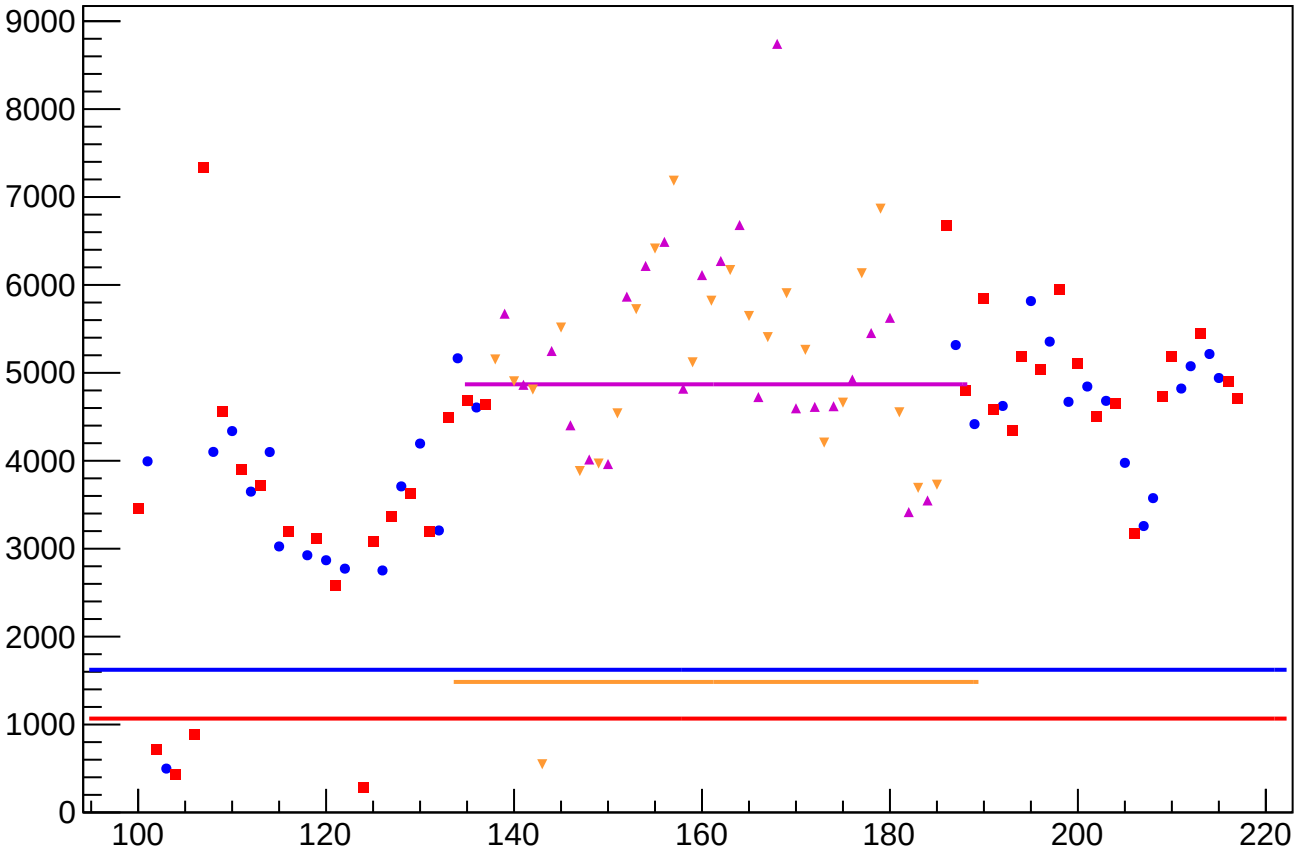
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 364.397+/-323.224 χ^2/NDF: 91.6/66

In: 195.530+/-489.190 χ^2/NDF:49.5/53

Out: -91.889+/-323.705 χ^2/NDF:90.9/60

All: -4.362+/-269.954 χ^2/NDF: 140.6/114



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: 1067.661+/-0.286 χ^2/NDF: 26077931.8/35

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

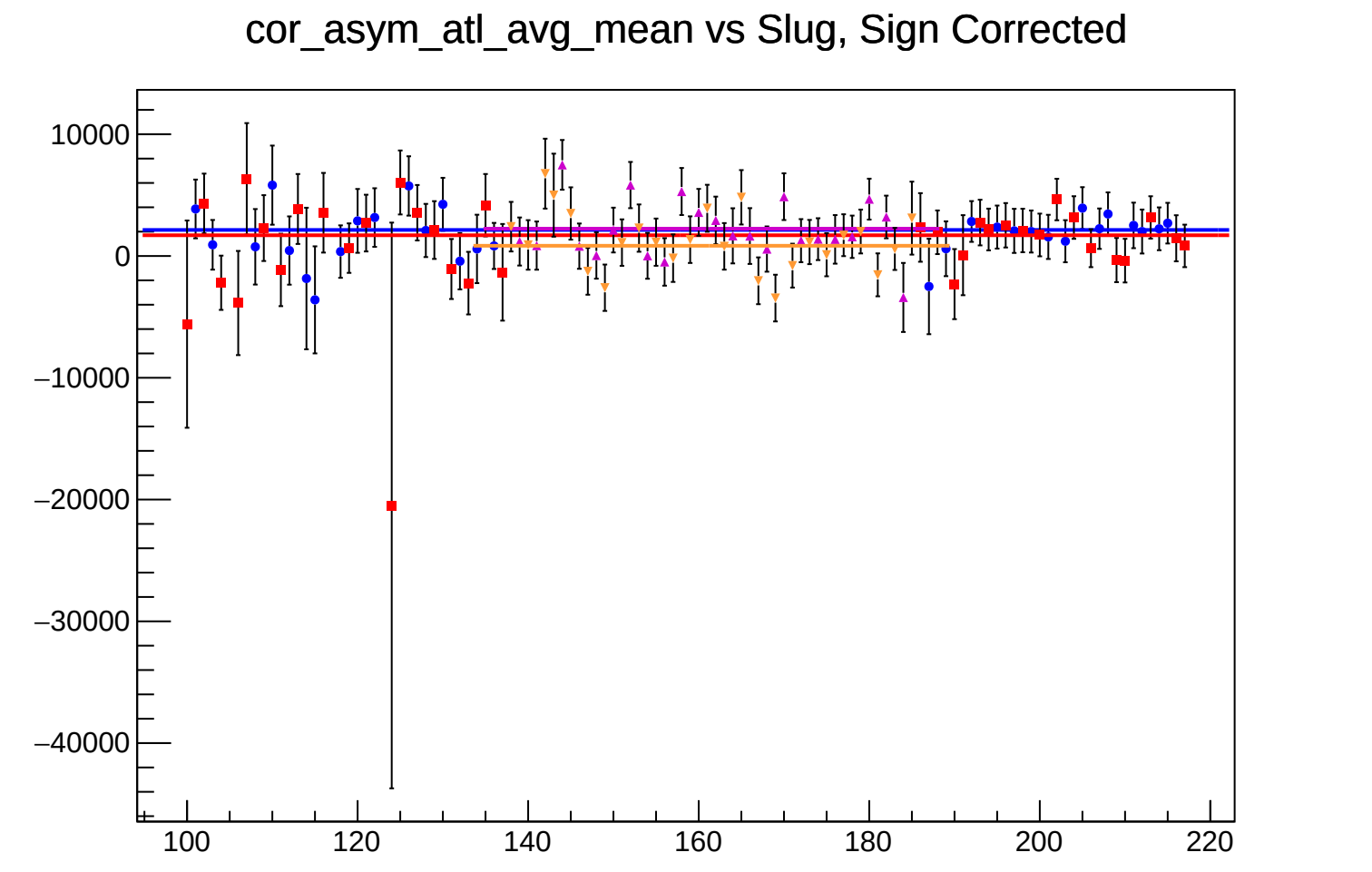
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1267.289+/-0.229 χ^2/NDF: 47470510.1/66

In: 2195.254+/-0.346 χ^2/NDF:34303395.5/53

Out: 1216.782+/-0.229 χ^2/NDF:50065043.1/60

All: 1514.753+/-0.191 χ^2/NDF: 89933276.0/1



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: 1704.323+/-370.669 χ^2/NDF: 30.0/35

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

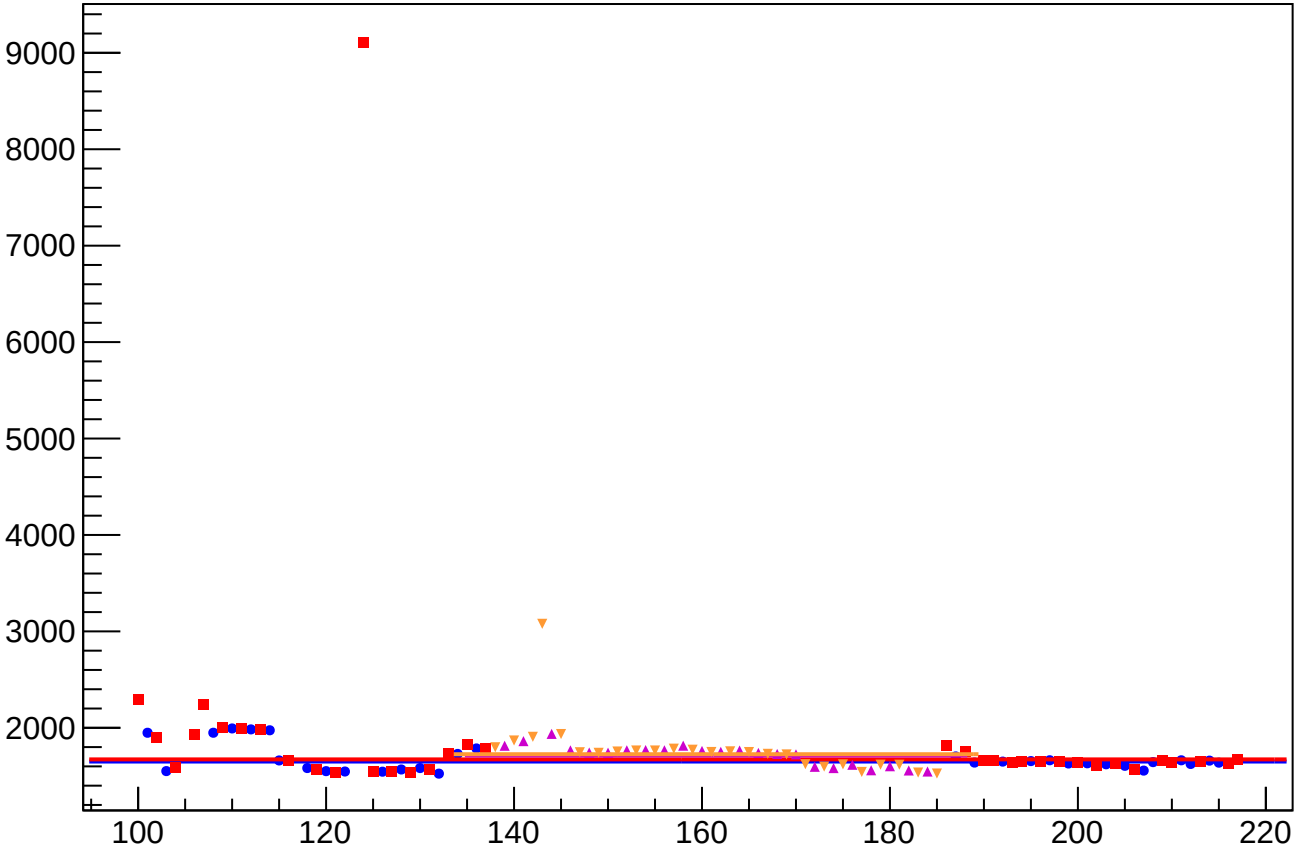
Right: 1919.043+/-264.179 χ^2/NDF: 45.9/66

In: 2189.645+/-274.443 χ^2/NDF:44.7/53

Out: 1299.727+/-270.117 χ^2/NDF:62.9/60

All: 1737.616+/-192.513 χ^2/NDF: 113.0/114

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: 1672.412+/-0.262 χ^2/NDF: 422452.9/35

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

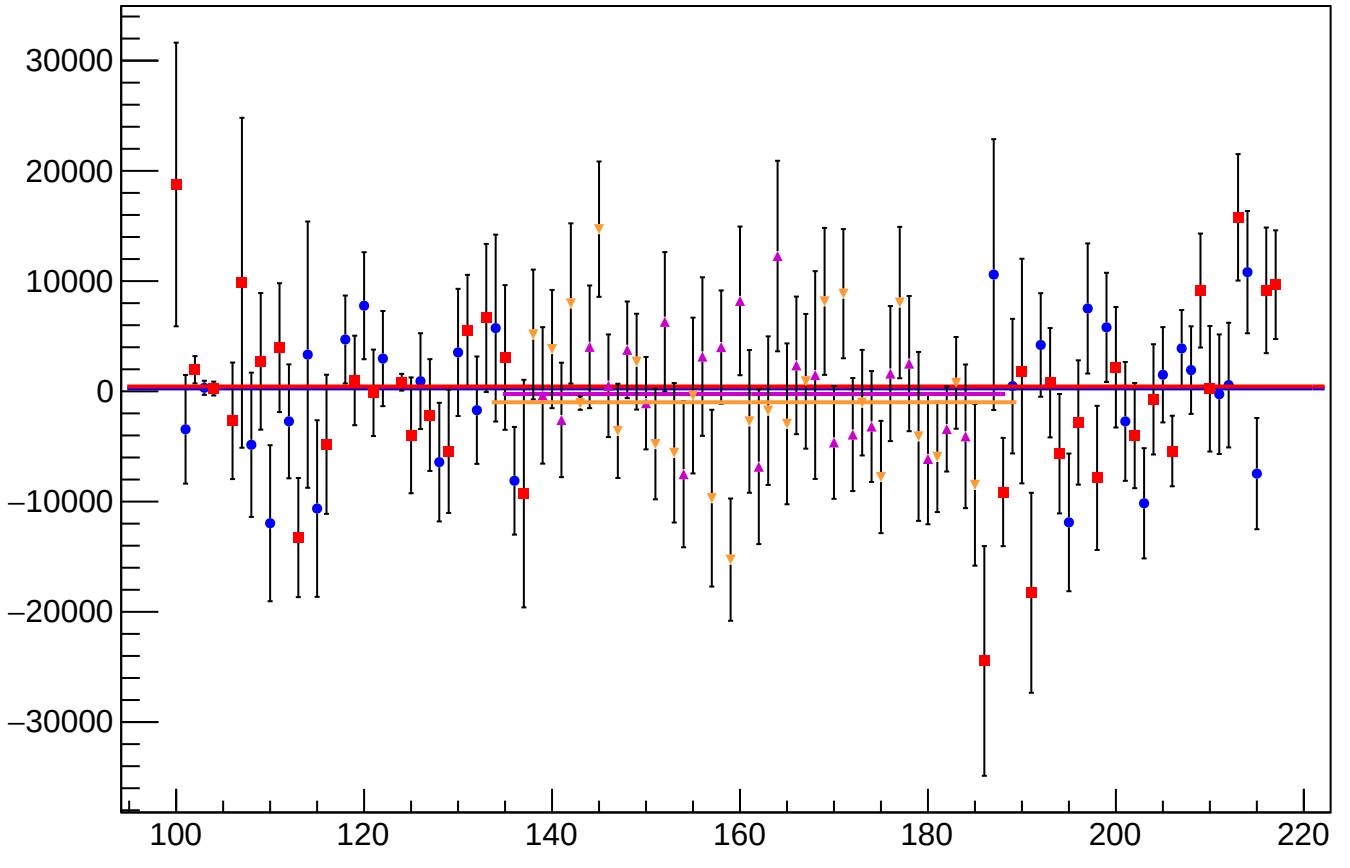
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.530+/-0.187 χ^2/NDF: 581490.8/66

In: 1679.758+/-0.194 χ^2/NDF:310966.7/53

Out: 1697.532+/-0.191 χ^2/NDF:897055.3/60

All: 1688.793+/-0.136 χ^2/NDF: 1212286.1/11



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: 440.480+/-408.912 χ^2/NDF: 54.5/35

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

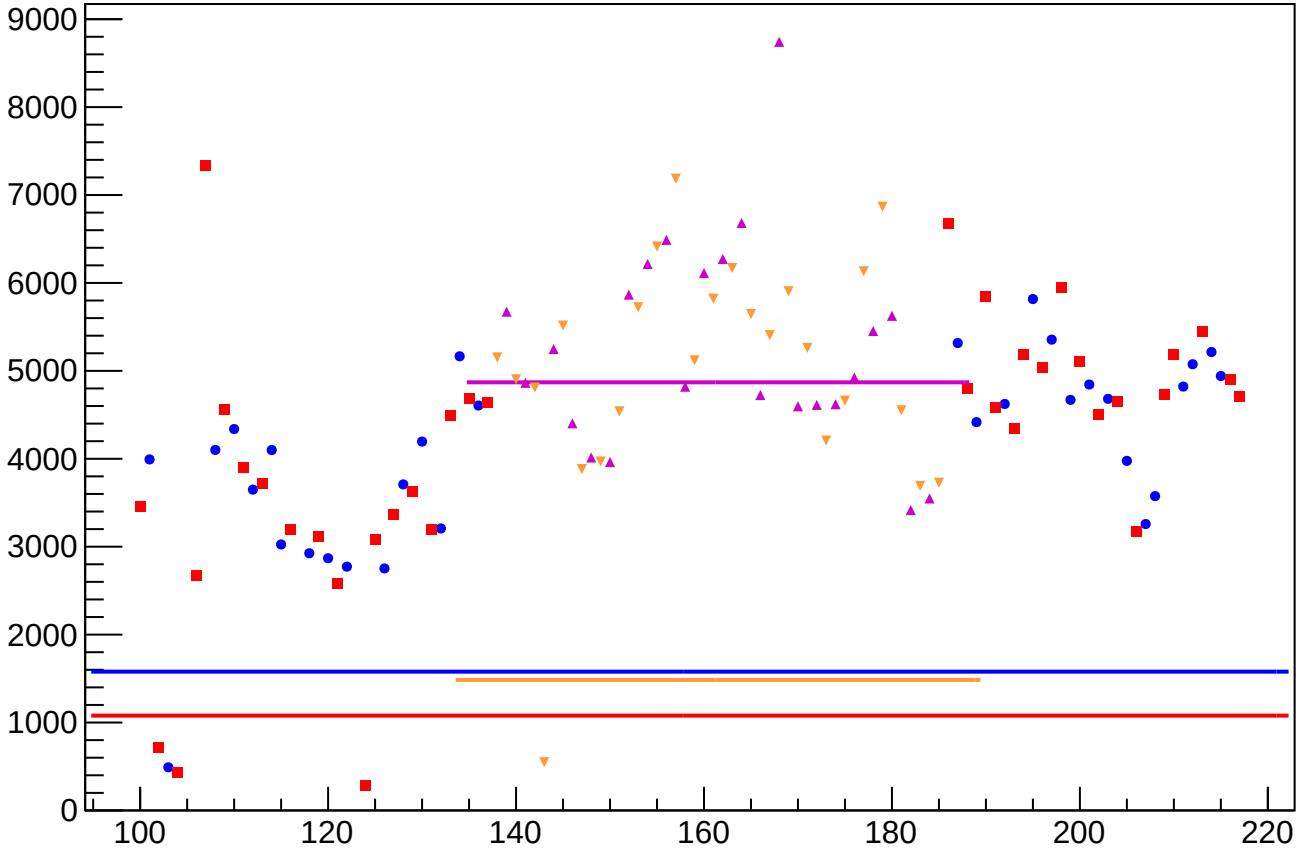
Right: 375.462+/-323.683 χ^2/NDF: 90.4/66

In: 179.712+/-482.196 χ^2/NDF:49.5/53

Out: -78.353+/-326.263 χ^2/NDF:89.7/60

All: 2.690+/-270.220 χ^2/NDF: 139.4/114

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1578.683+/-0.375 χ^2/NDF: 20418755.3/30

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1078.709+/-0.289 χ^2/NDF: 26298007.1/35

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

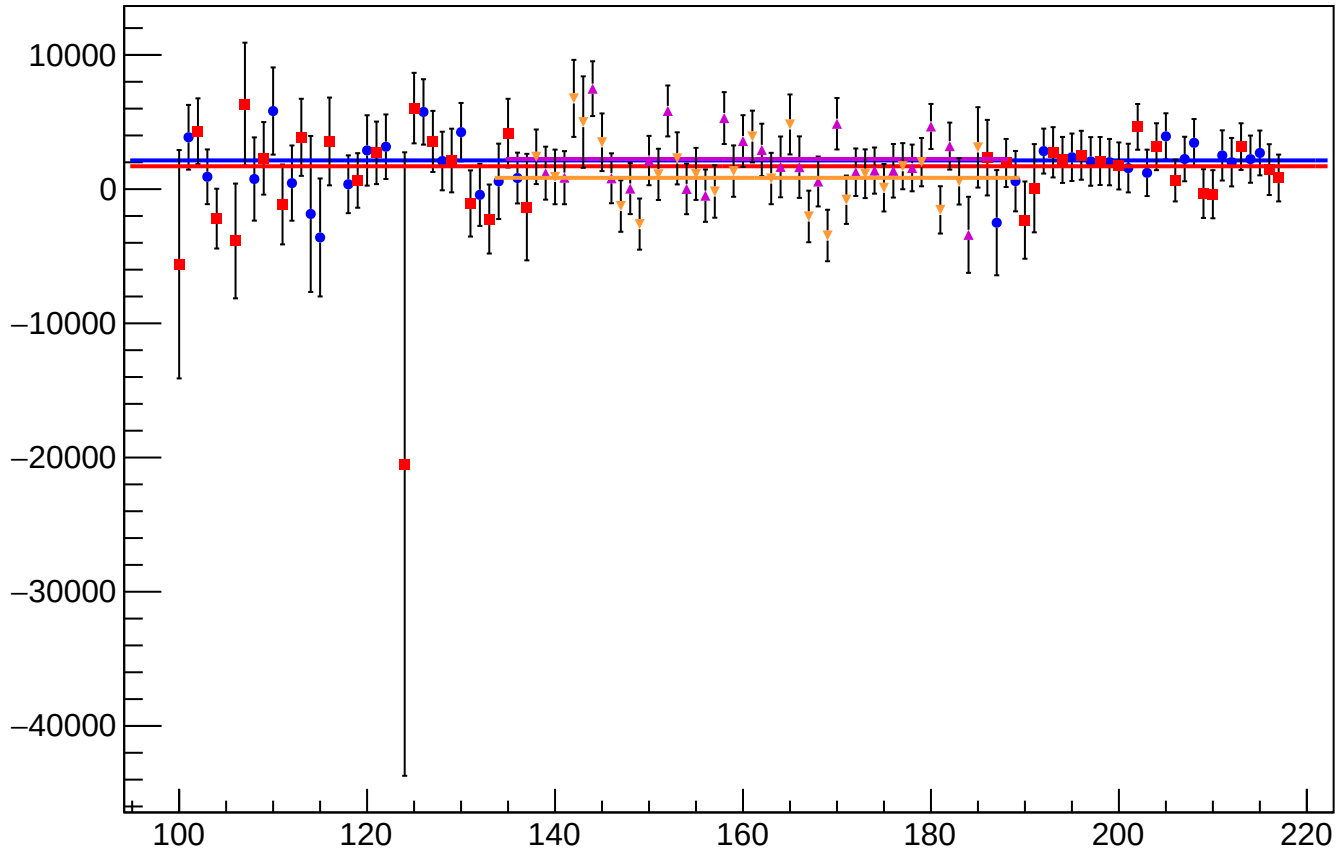
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1265.406+/-0.229 χ^2/NDF: 47833254.9/66

In: 2142.439+/-0.341 χ^2/NDF:35118177.8/53

Out: 1226.162+/-0.231 χ^2/NDF:50239244.4/60

All: 1513.911+/-0.191 χ^2/NDF: 90311175.7/1



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: 1704.323+/-370.669 χ^2/NDF: 30.0/35

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

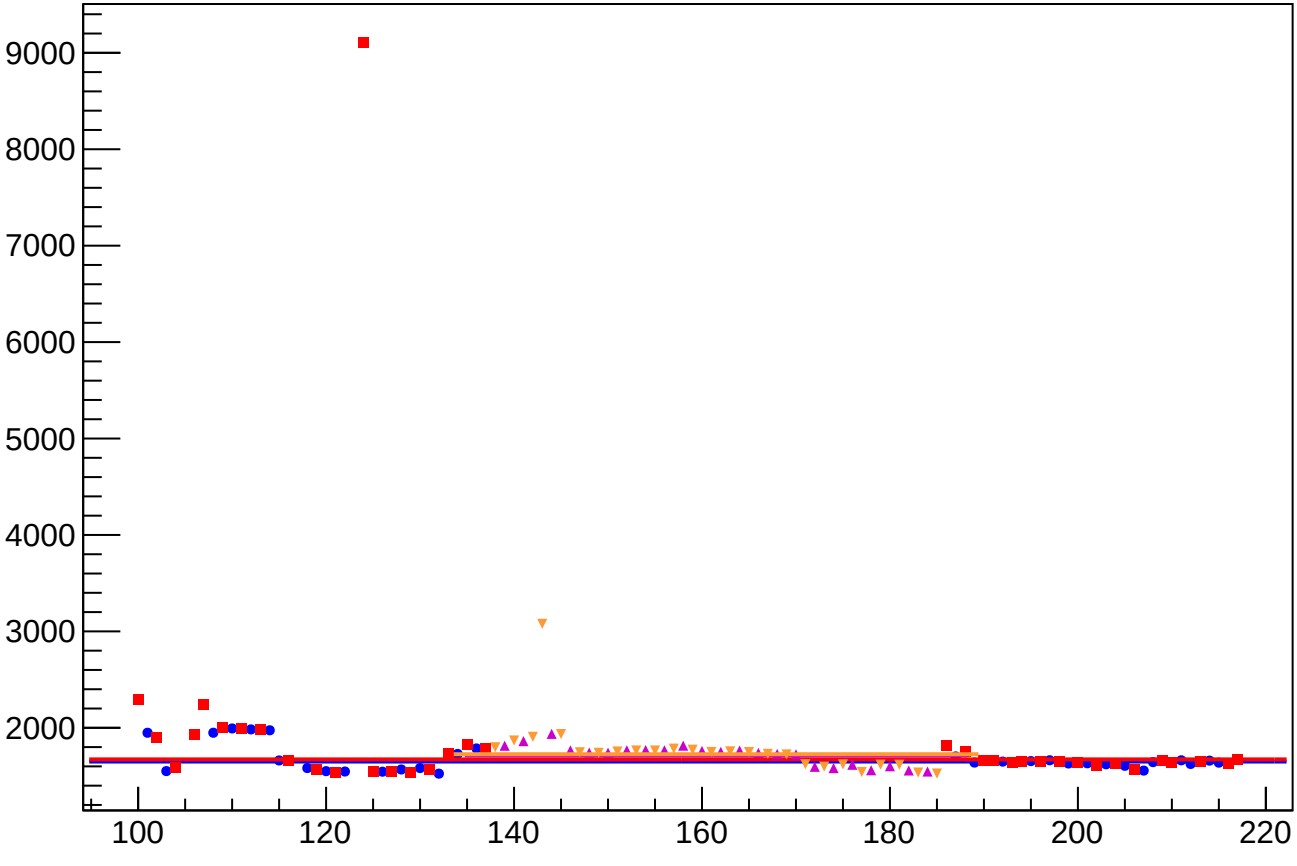
Right: 1919.043+/-264.179 χ^2/NDF: 45.9/66

In: 2189.645+/-274.443 χ^2/NDF:44.7/53

Out: 1299.727+/-270.117 χ^2/NDF:62.9/60

All: 1737.616+/-192.513 χ^2/NDF: 113.0/114

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: 1672.412+/-0.262 χ^2/NDF: 422452.9/35

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

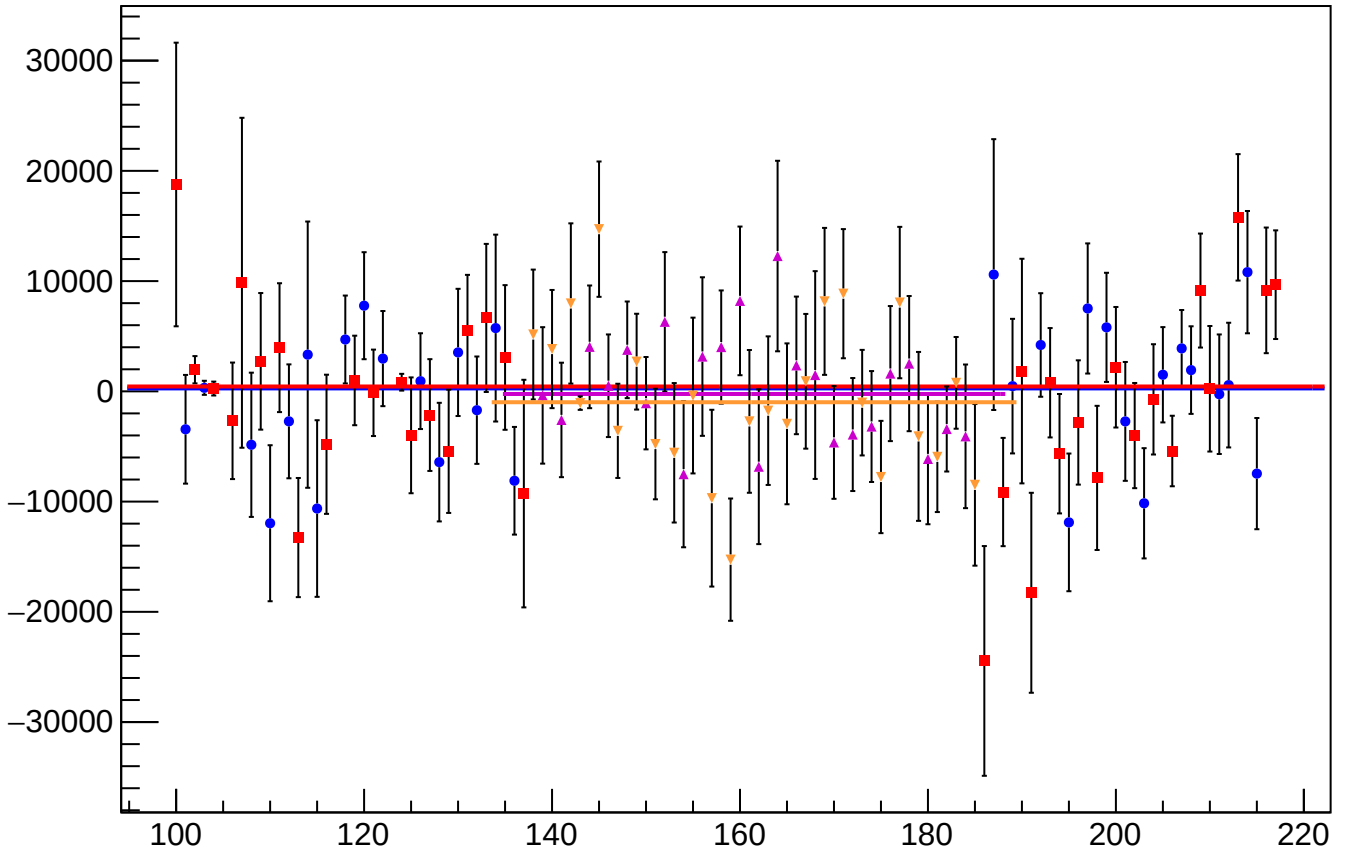
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.530+/-0.187 χ^2/NDF: 581490.8/66

In: 1679.758+/-0.194 χ^2/NDF:310966.7/53

Out: 1697.532+/-0.191 χ^2/NDF:897055.3/60

All: 1688.793+/-0.136 χ^2/NDF: 1212286.1/11



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: 440.480+/-408.912 χ^2/NDF: 54.5/35

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

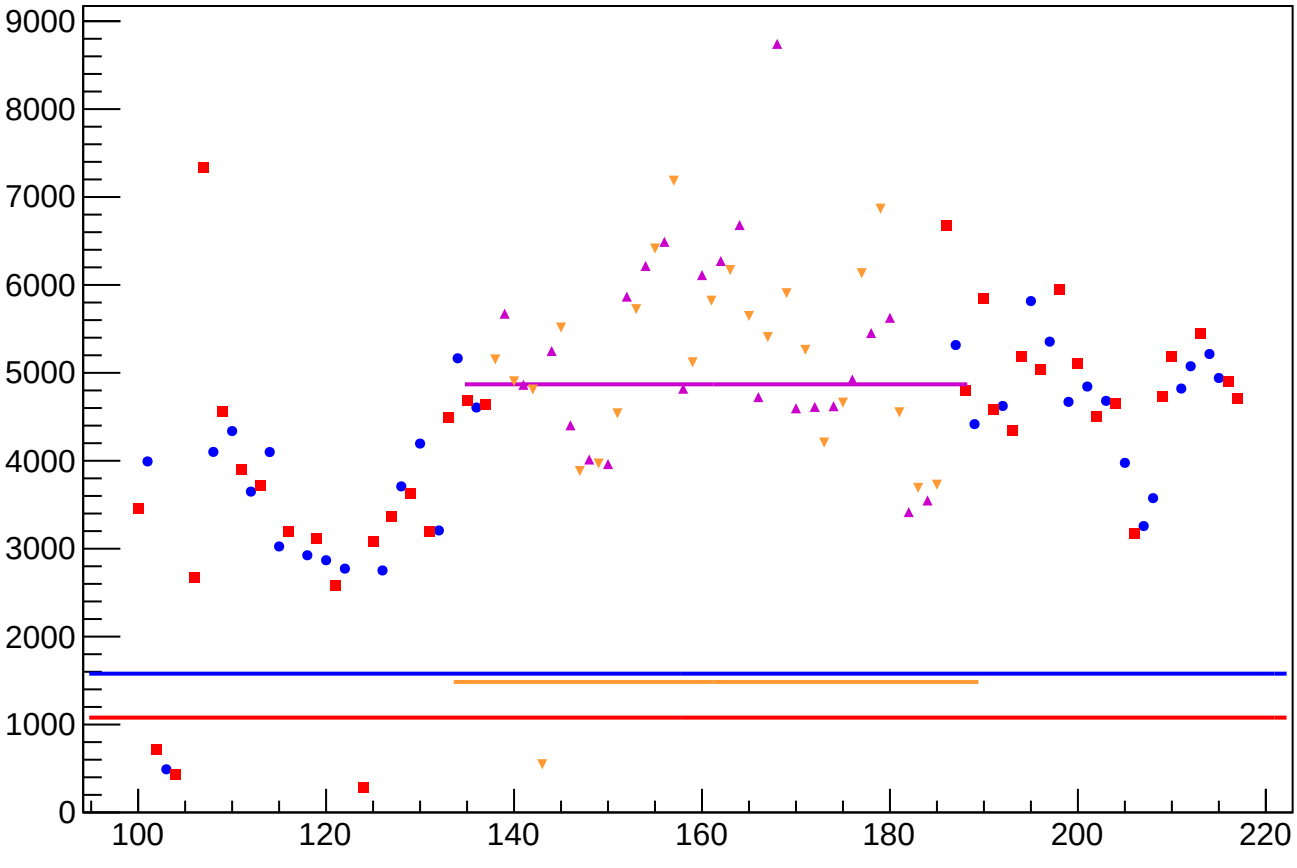
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 375.462+/-323.683 χ^2/NDF: 90.4/66

In: 179.712+/-482.196 χ^2/NDF:49.5/53

Out: -78.353+/-326.263 χ^2/NDF:89.7/60

All: 2.690+/-270.220 χ^2/NDF: 139.4/114



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: 1078.709+/-0.289 χ^2/NDF: 26298007.1/35

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

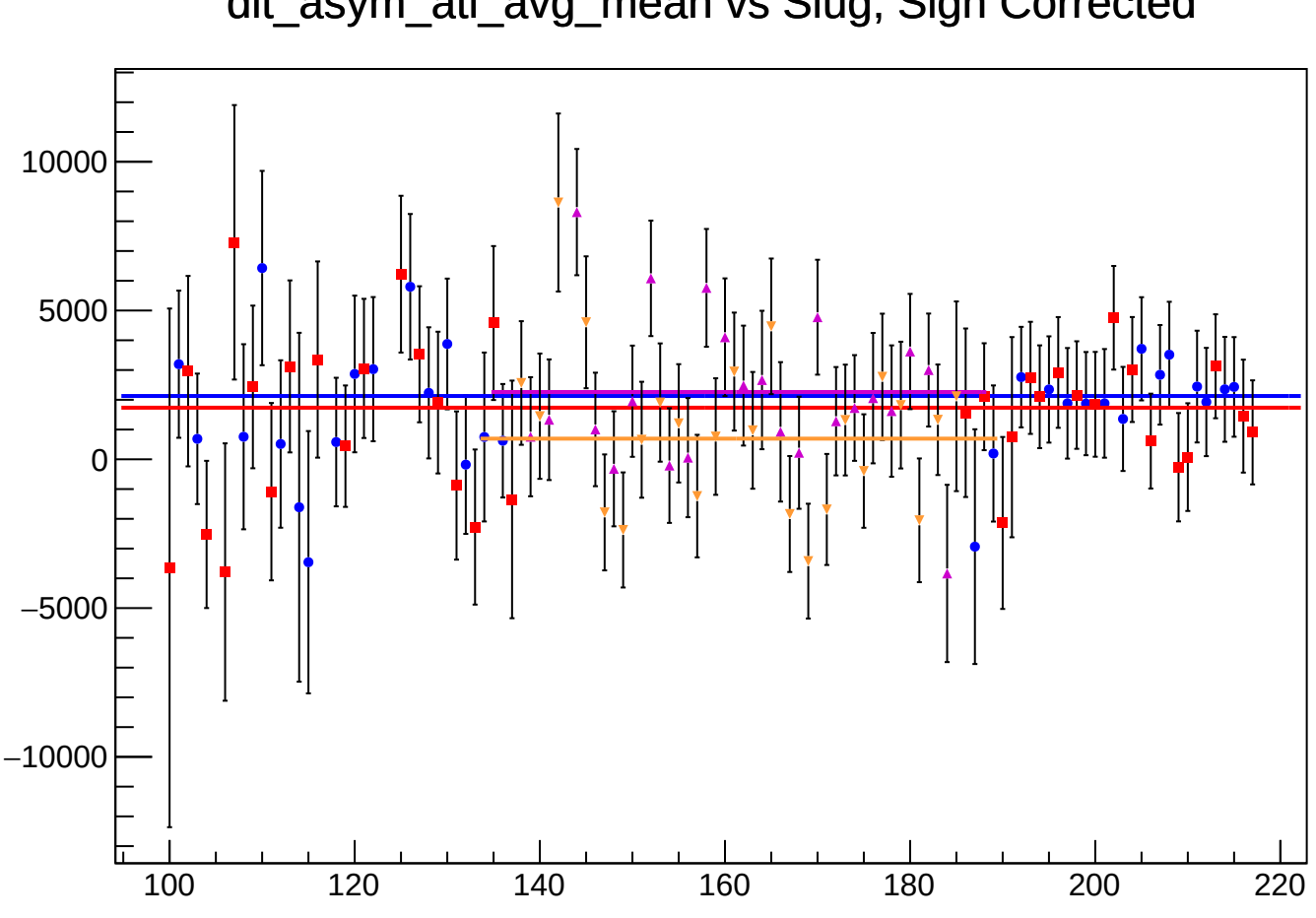
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1265.406+/-0.229 χ^2/NDF: 47833254.9/66

In: 2142.439+/-0.341 χ^2/NDF:35118177.8/53

Out: 1226.162+/-0.231 χ^2/NDF:50239244.4/60

All: 1513.911+/-0.191 χ^2/NDF: 90311175.7/1



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: 1734.336+/-376.613 χ^2/NDF: 27.2/34

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

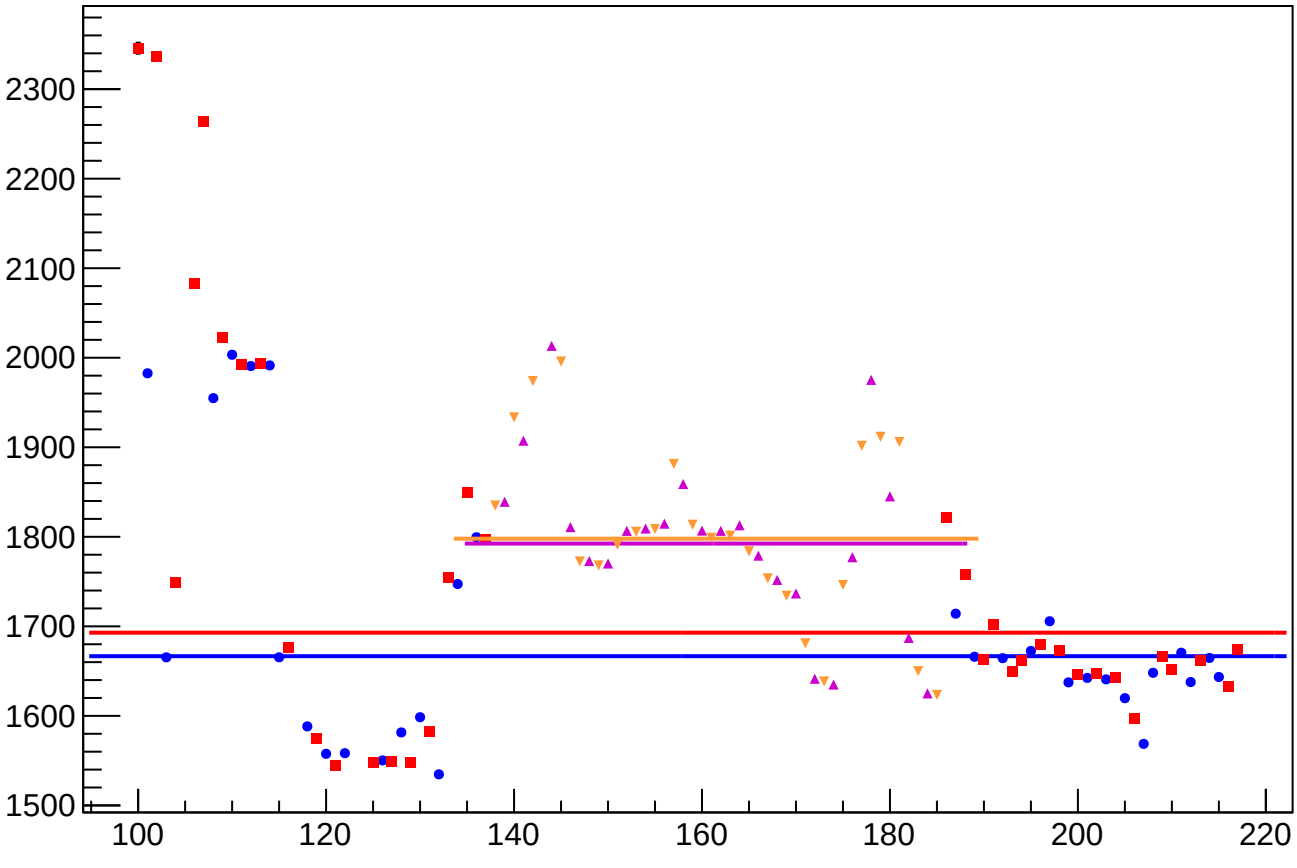
Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

Right: 1928.748+/-267.663 χ^2/NDF: 42.6/65

In: 2187.975+/-281.731 χ^2/NDF:45.3/53

Out: 1268.411+/-279.812 χ^2/NDF:62.8/58

All: 1725.050+/-198.532 χ^2/NDF: 113.5/112



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: 1692.920+/-0.266 χ^2/NDF: 289145.4/34

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

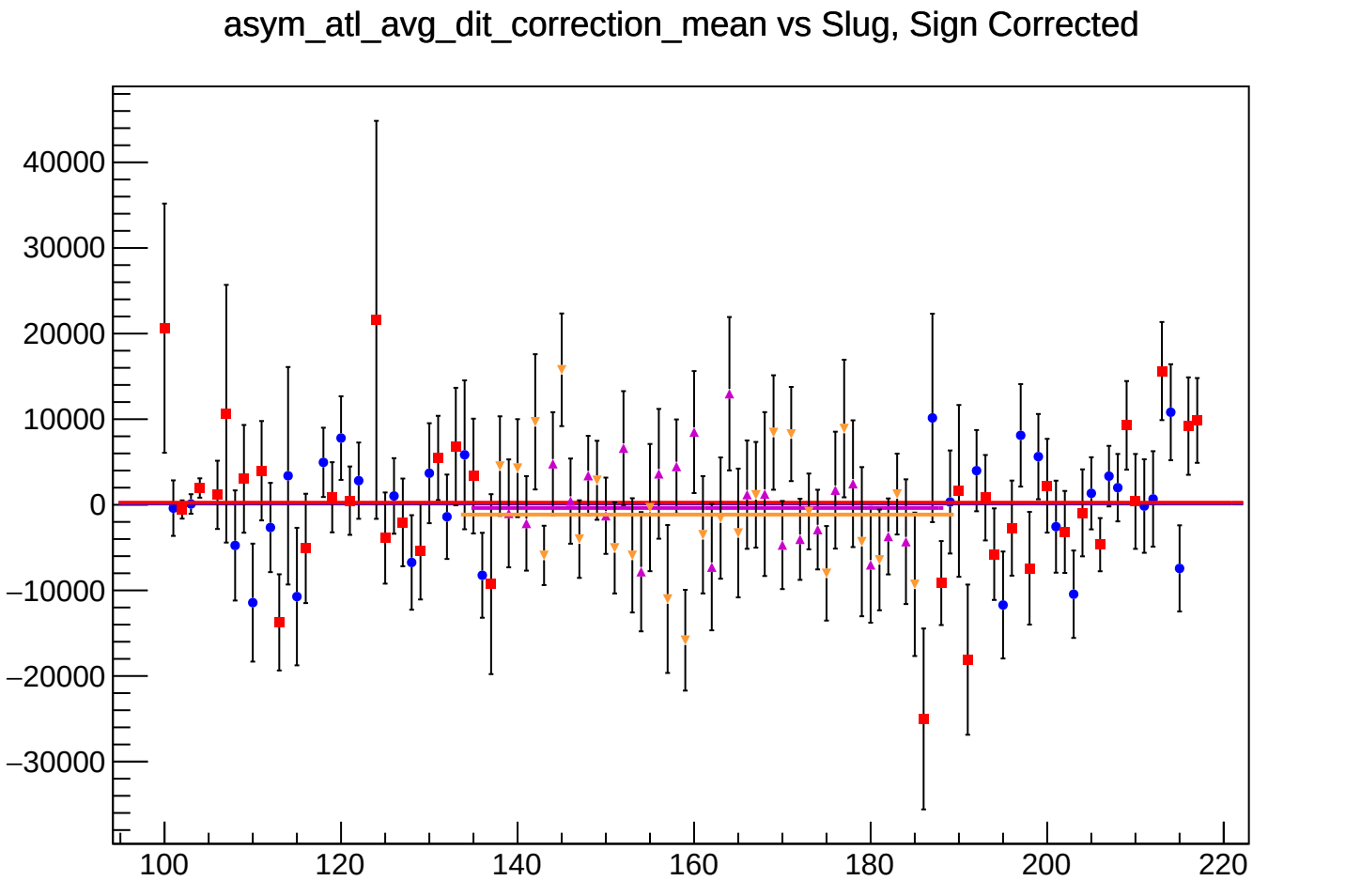
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1679.937+/-0.189 χ^2/NDF: 446974.5/65

In: 1723.486+/-0.199 χ^2/NDF:344628.4/53

Out: 1739.917+/-0.198 χ^2/NDF:456824.6/58

All: 1731.761+/-0.140 χ^2/NDF: 804878.8/112



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: 246.719+/-601.562 χ^2/NDF: 54.9/35

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

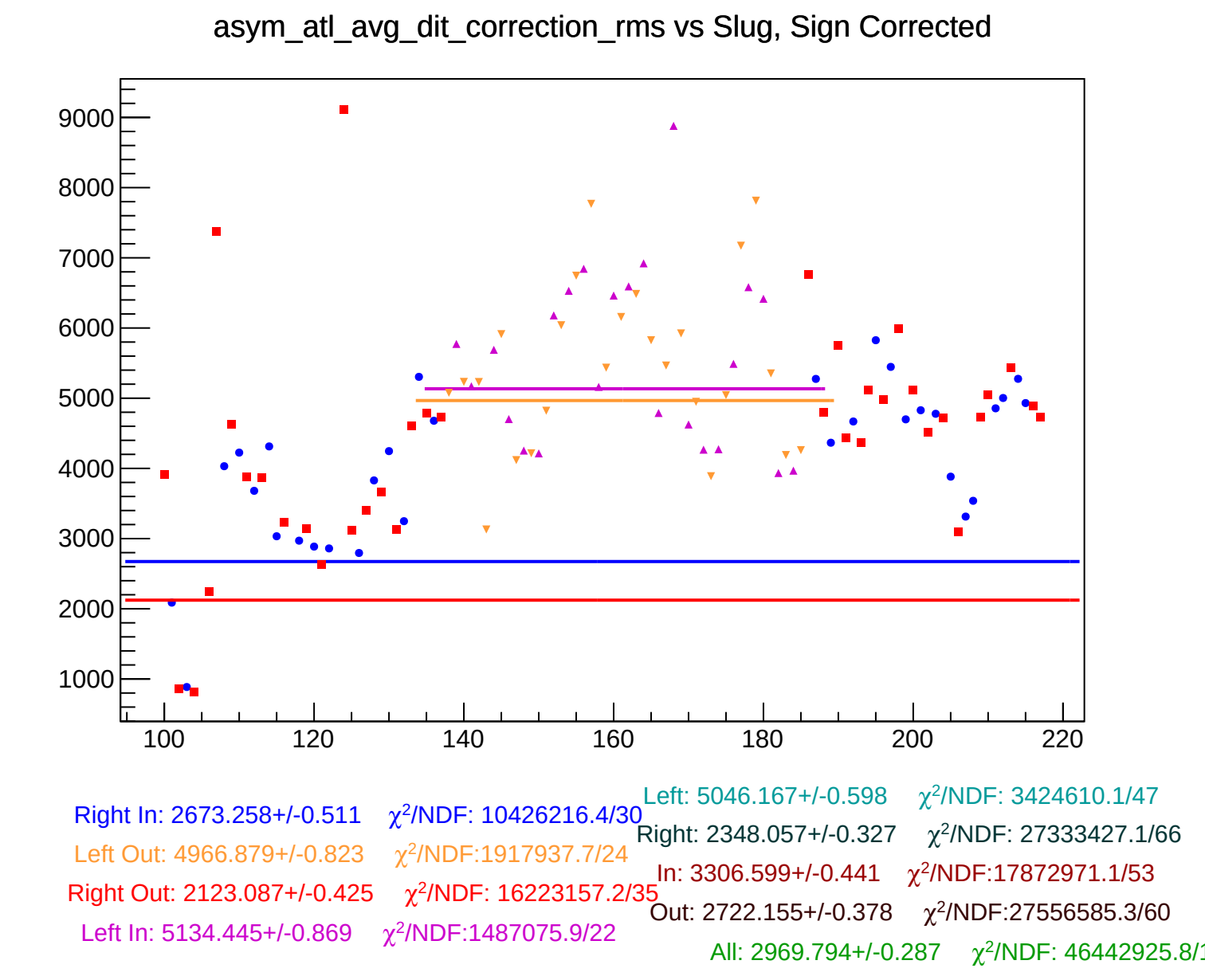
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

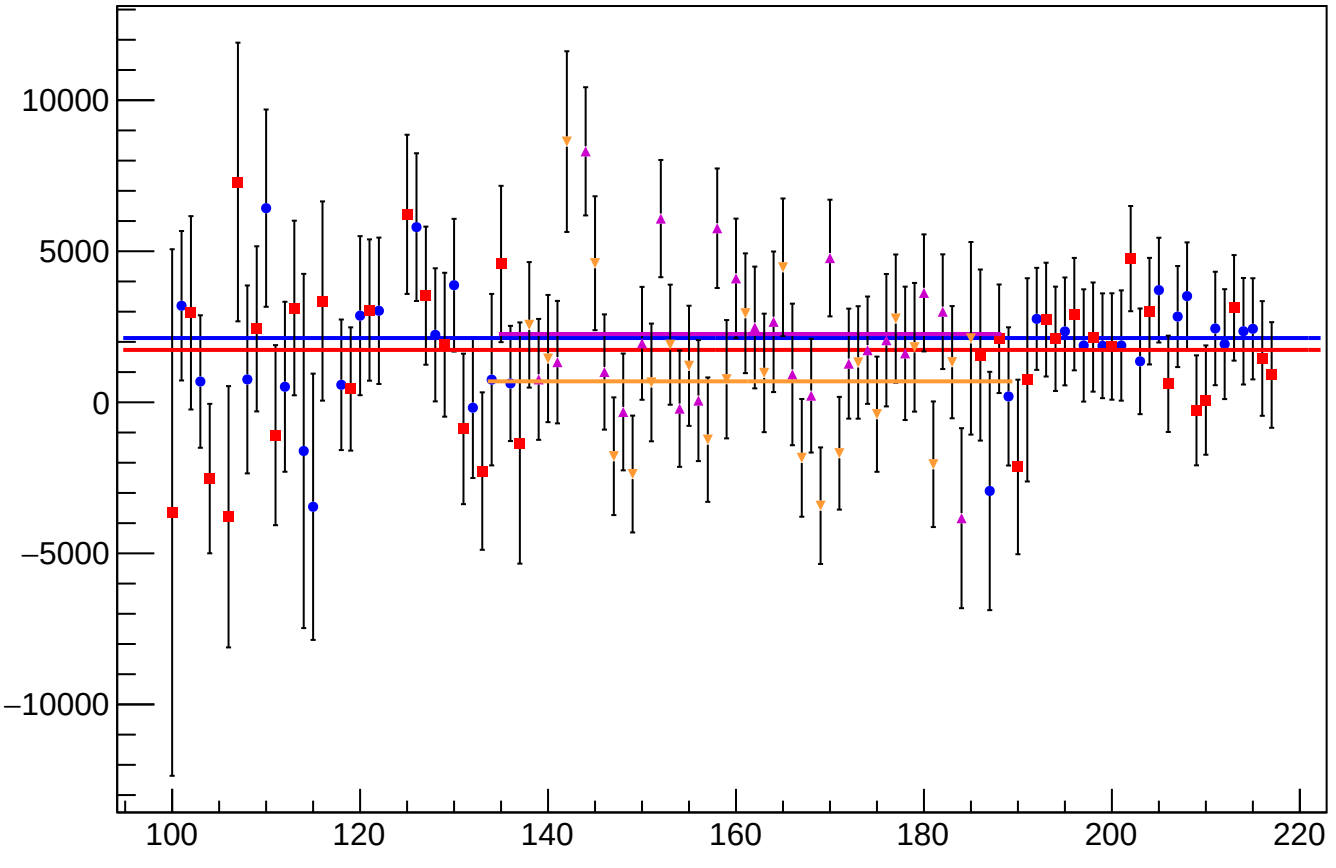
Right: 208.201+/-462.496 χ^2/NDF: 89.6/66

In: 16.792+/-623.293 χ^2/NDF:48.1/53

Out: -46.332+/-534.457 χ^2/NDF:88.6/60

All: -19.585+/-405.724 χ^2/NDF: 136.7/114


asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2673.258+/-0.511 χ²/NDF: 10426216.4/30
Left Out: 4966.879+/-0.823 χ²/NDF:1917937.7/24
Right Out: 2123.087+/-0.425 χ²/NDF: 16223157.2/35
Left In: 5134.445+/-0.869 χ²/NDF:1487075.9/22
Left: 5046.167+/-0.598 χ²/NDF: 3424610.1/47
Right: 2348.057+/-0.327 χ²/NDF: 27333427.1/66
In: 3306.599+/-0.441 χ²/NDF:17872971.1/53
Out: 2722.155+/-0.378 χ²/NDF:27556585.3/60
All: 2969.794+/-0.287 χ²/NDF: 46442925.8/



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: 1734.333+/-376.613 χ^2/NDF: 27.2/34

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

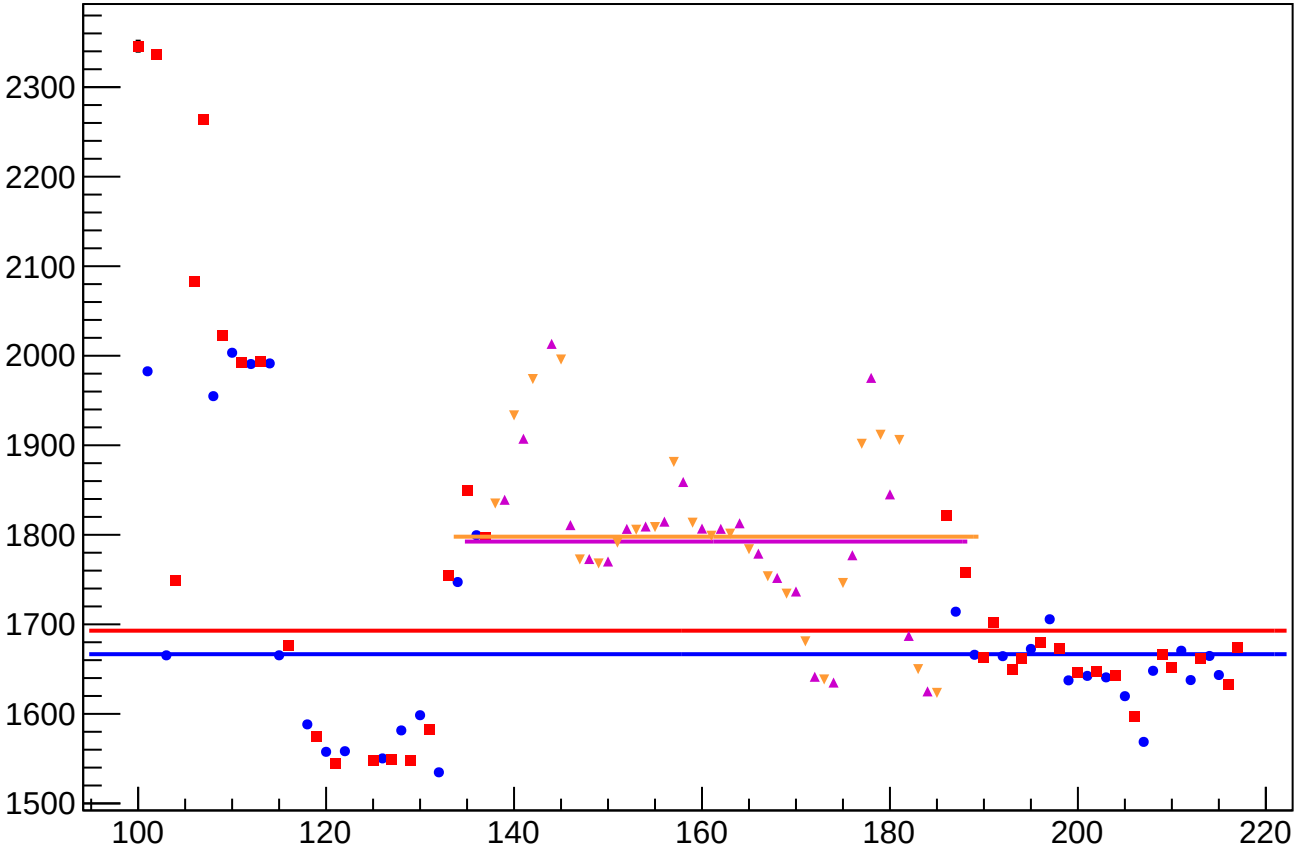
Right: 1928.745+/-267.663 χ^2/NDF: 42.6/65

In: 2187.973+/-281.731 χ^2/NDF:45.3/53

Out: 1268.408+/-279.812 χ^2/NDF:62.8/58

All: 1725.048+/-198.532 χ^2/NDF: 113.5/112

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



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: 1692.920+/-0.266 χ^2/NDF: 289144.9/34

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

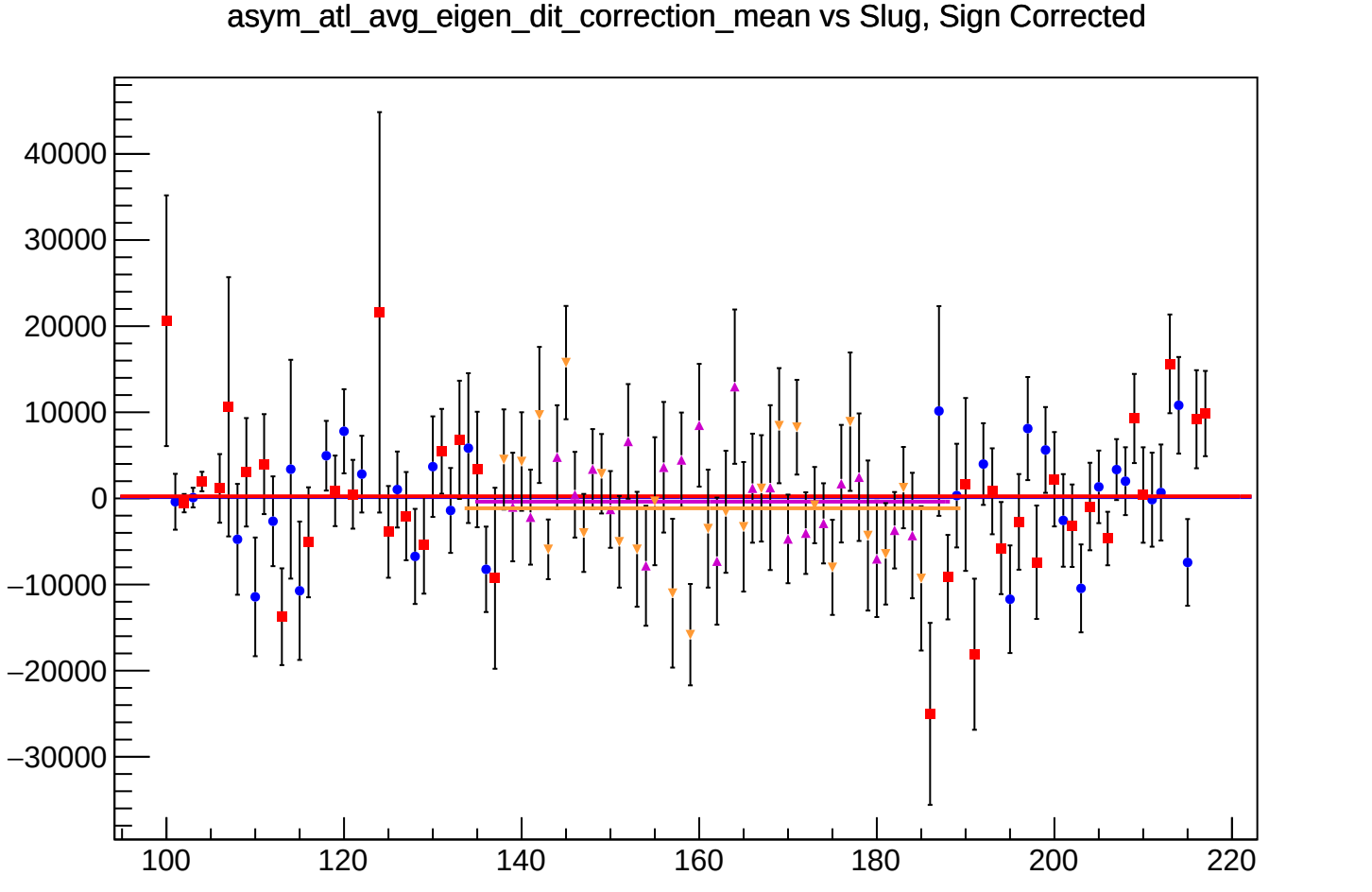
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1679.937+/-0.189 χ^2/NDF: 446974.1/65

In: 1723.487+/-0.199 χ^2/NDF:344634.0/53

Out: 1739.917+/-0.198 χ^2/NDF:456829.4/58

All: 1731.761+/-0.140 χ^2/NDF: 804889.2/112



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: 246.722+/-601.558 χ^2/NDF: 54.9/35

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

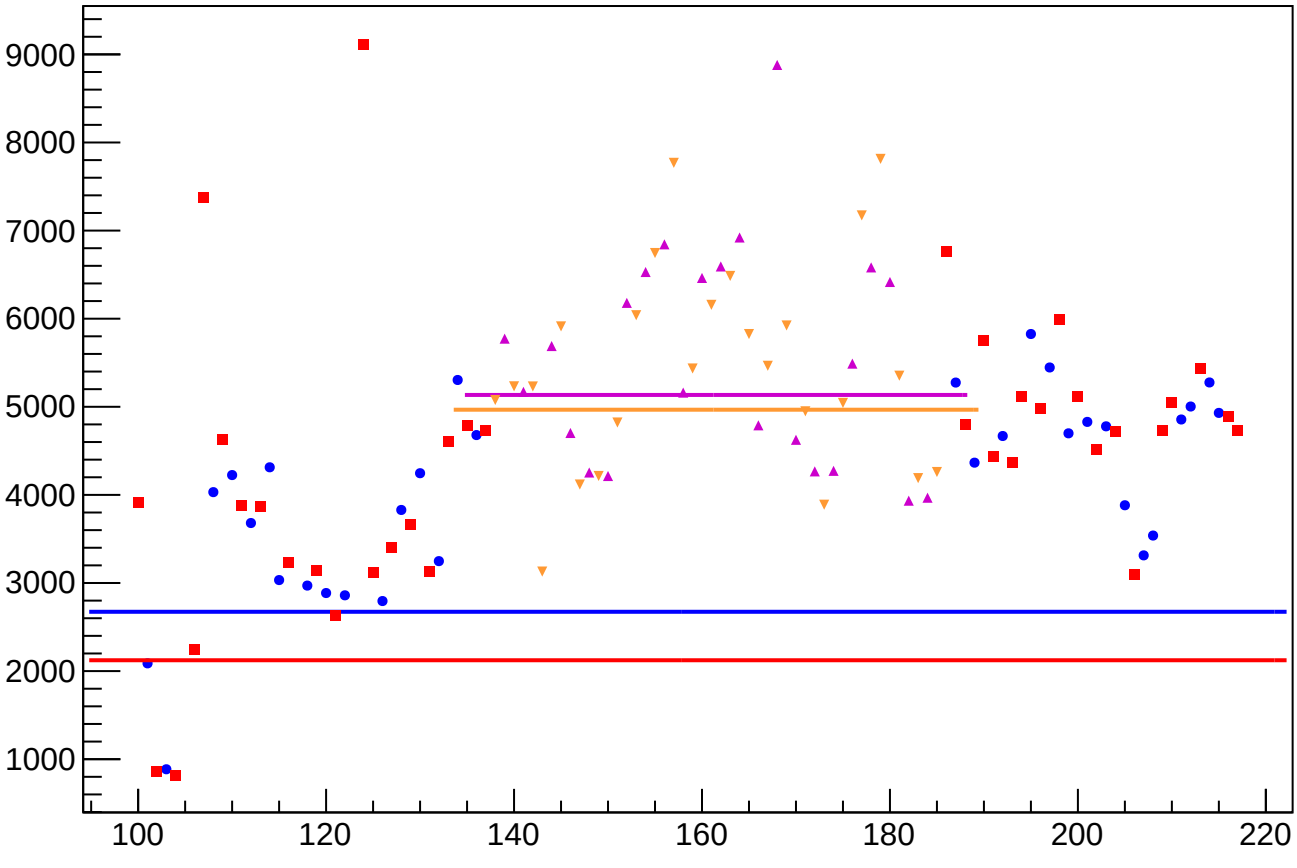
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 208.203+/-462.493 χ^2/NDF: 89.6/66

In: 16.794+/-623.292 χ^2/NDF:48.1/53

Out: -46.328+/-534.455 χ^2/NDF:88.6/60

All: -19.582+/-405.722 χ^2/NDF: 136.7/114



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: 2123.069+/-0.425 χ^2/NDF: 16223317.8/35

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

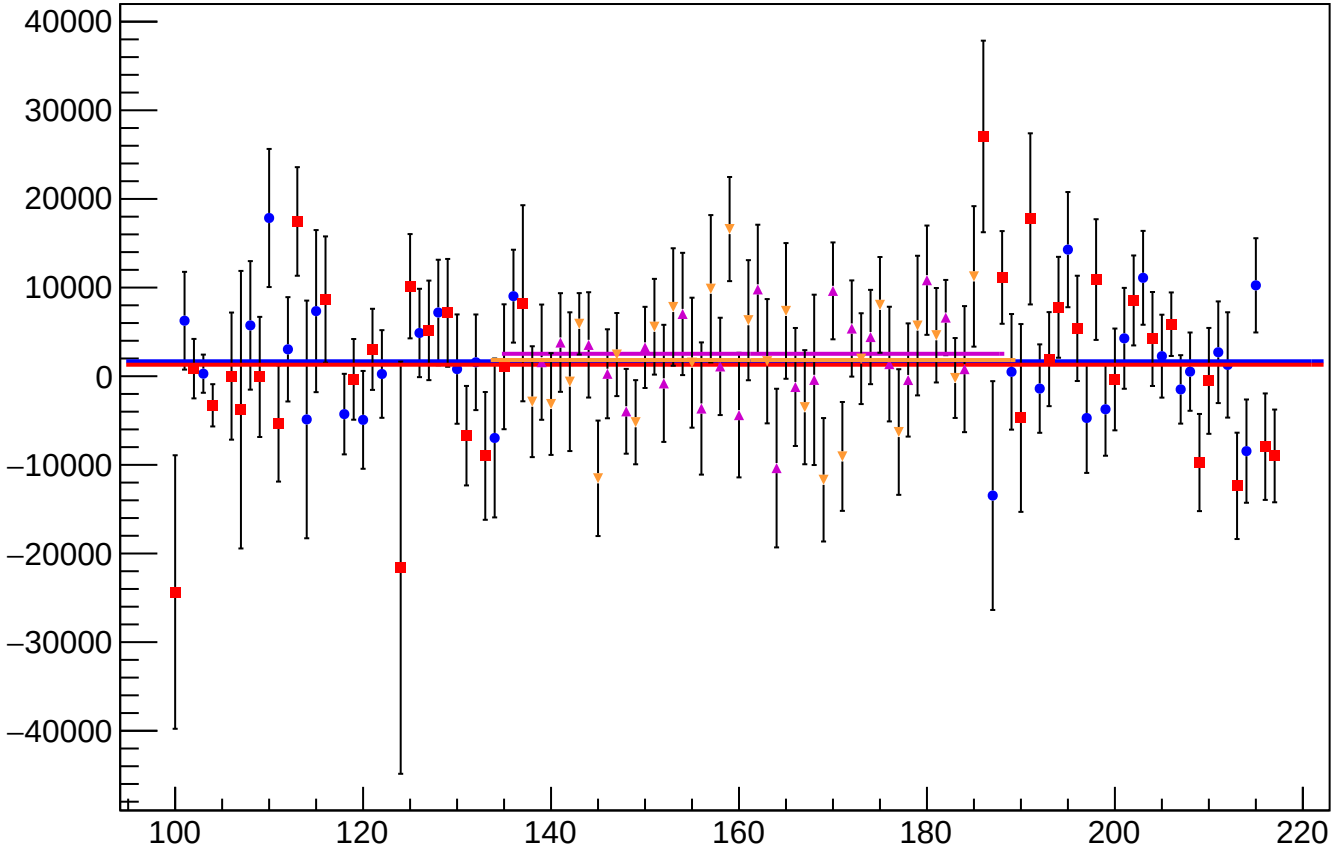
Right: 2348.038+/-0.327 χ^2/NDF: 27333749.5/66

In: 3306.583+/-0.441 χ^2/NDF:17873248.5/53

Out: 2722.135+/-0.378 χ^2/NDF:27556922.5/60

All: 2969.775+/-0.287 χ^2/NDF: 46443560.1/1

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: 1297.456+/-926.127 χ^2/NDF: 60.9/35

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

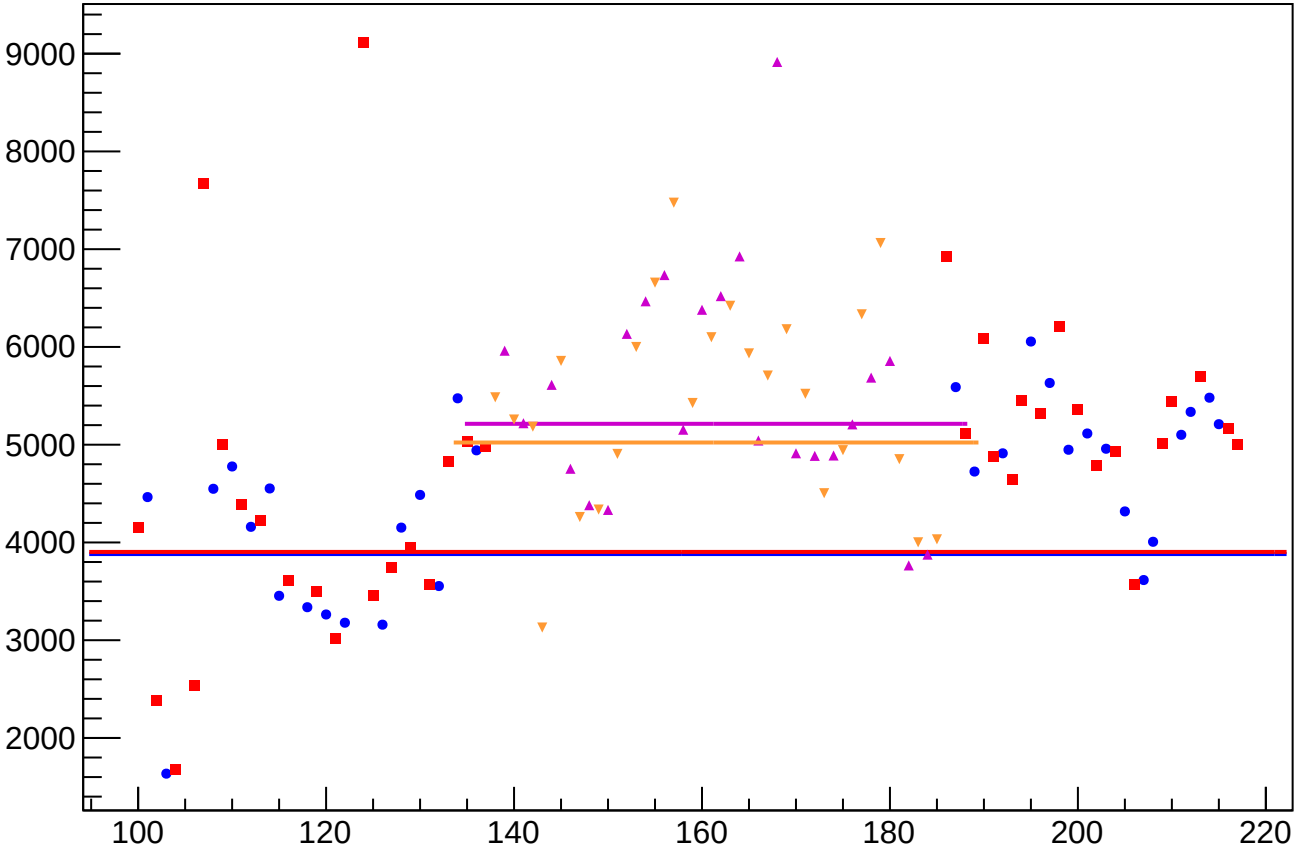
Right: 1489.227+/-658.438 χ^2/NDF: 92.3/66

In: 1991.160+/-747.659 χ^2/NDF:44.8/53

Out: 1500.604+/-726.754 χ^2/NDF:92.2/60

All: 1738.928+/-521.127 χ^2/NDF: 137.1/114

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3881.277+/-0.662 χ^2/NDF: 3880034.3/30

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3903.251+/-0.649 χ^2/NDF: 4567011.9/35

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

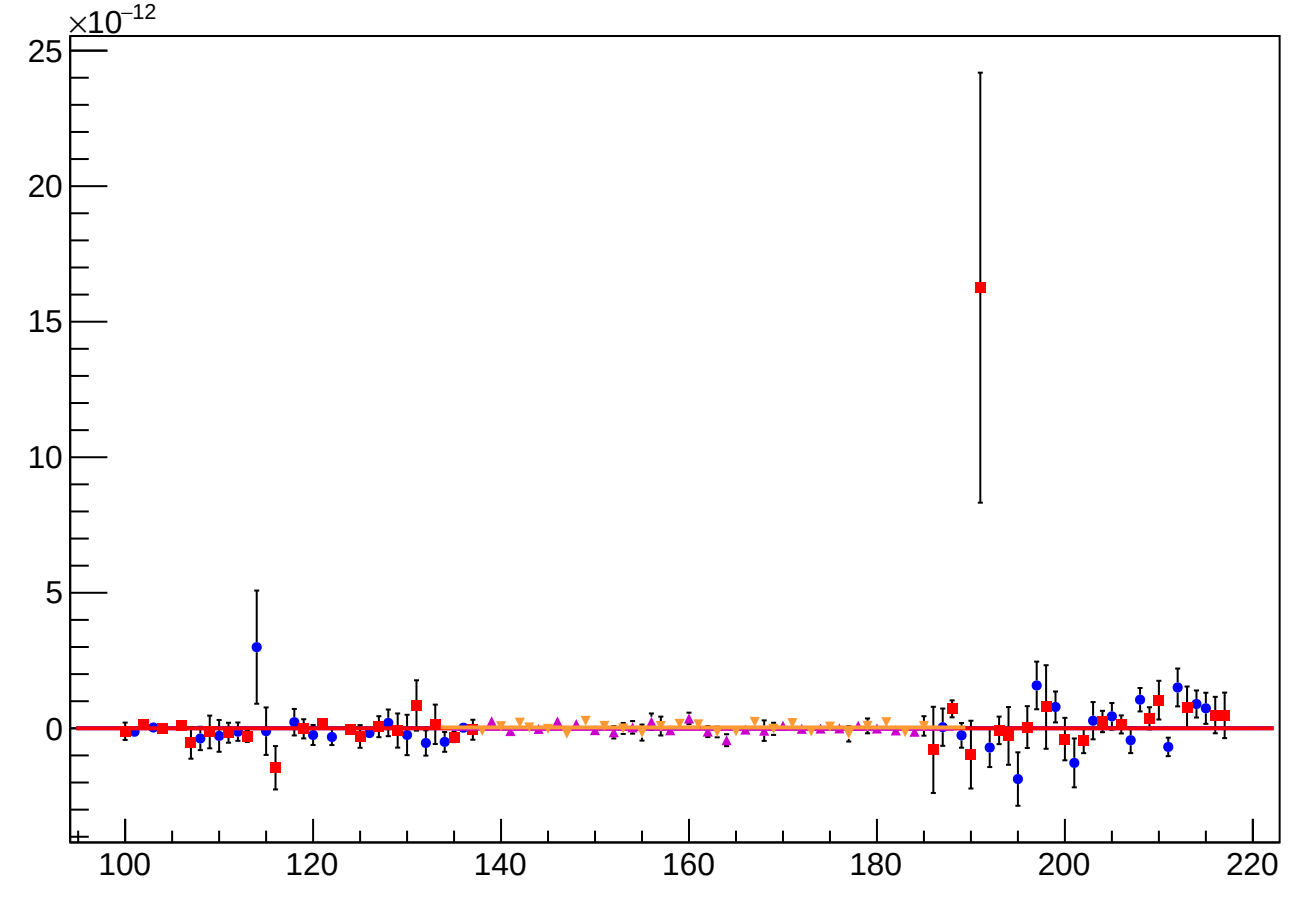
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3892.481+/-0.464 χ^2/NDF: 8447607.8/66

In: 4364.061+/-0.529 χ^2/NDF:6570708.4/53

Out: 4328.589+/-0.511 χ^2/NDF:7373306.2/60

All: 4345.726+/-0.367 χ^2/NDF: 13946341.6/1



Right In: 0.000+/-0.000 χ^2/NDF: 44.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/35

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

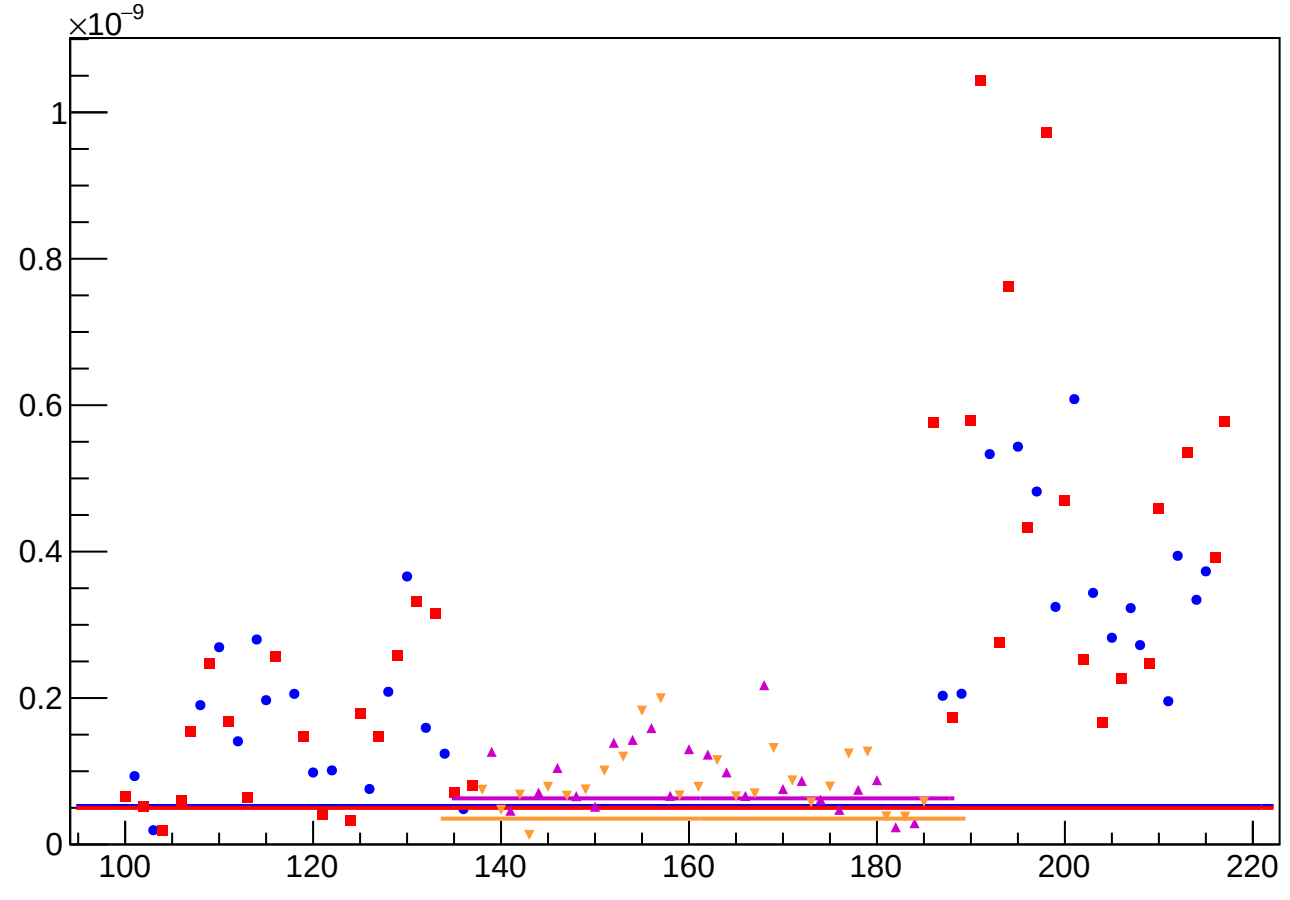
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: 0.000+/-0.000 χ^2/NDF: 76.5/66

In: -0.000+/-0.000 χ^2/NDF:63.5/53

Out: 0.000+/-0.000 χ^2/NDF:58.1/60

All: 0.000+/-0.000 χ^2/NDF: 123.1/114



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: 11366228.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

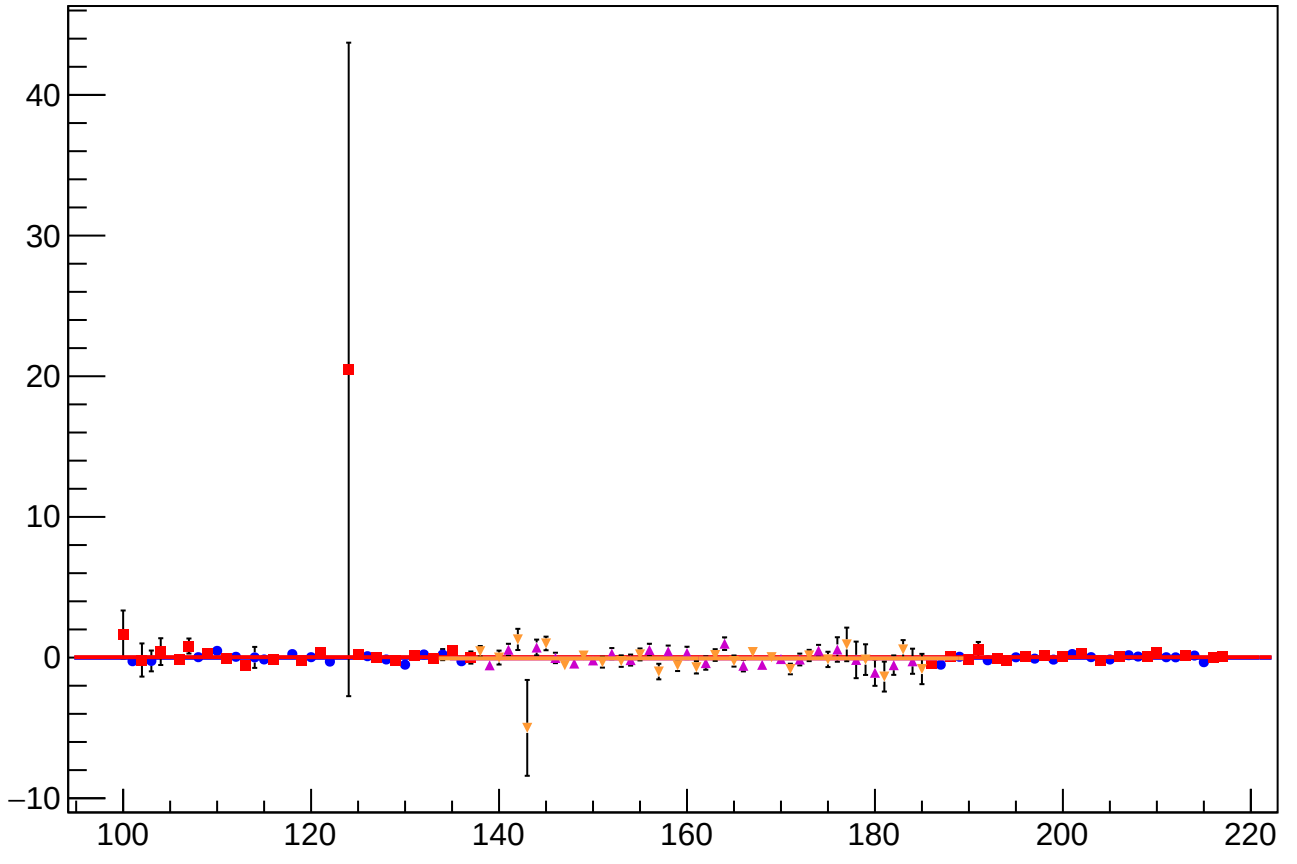
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 22071646.6/66

In: 0.000+/-0.000 χ^2/NDF:13750047.7/53

Out: 0.000+/-0.000 χ^2/NDF:18199511.8/60

All: 0.000+/-0.000 χ^2/NDF: 33059221.7/114



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: 0.030+/-0.031 χ^2/NDF: 36.4/35

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

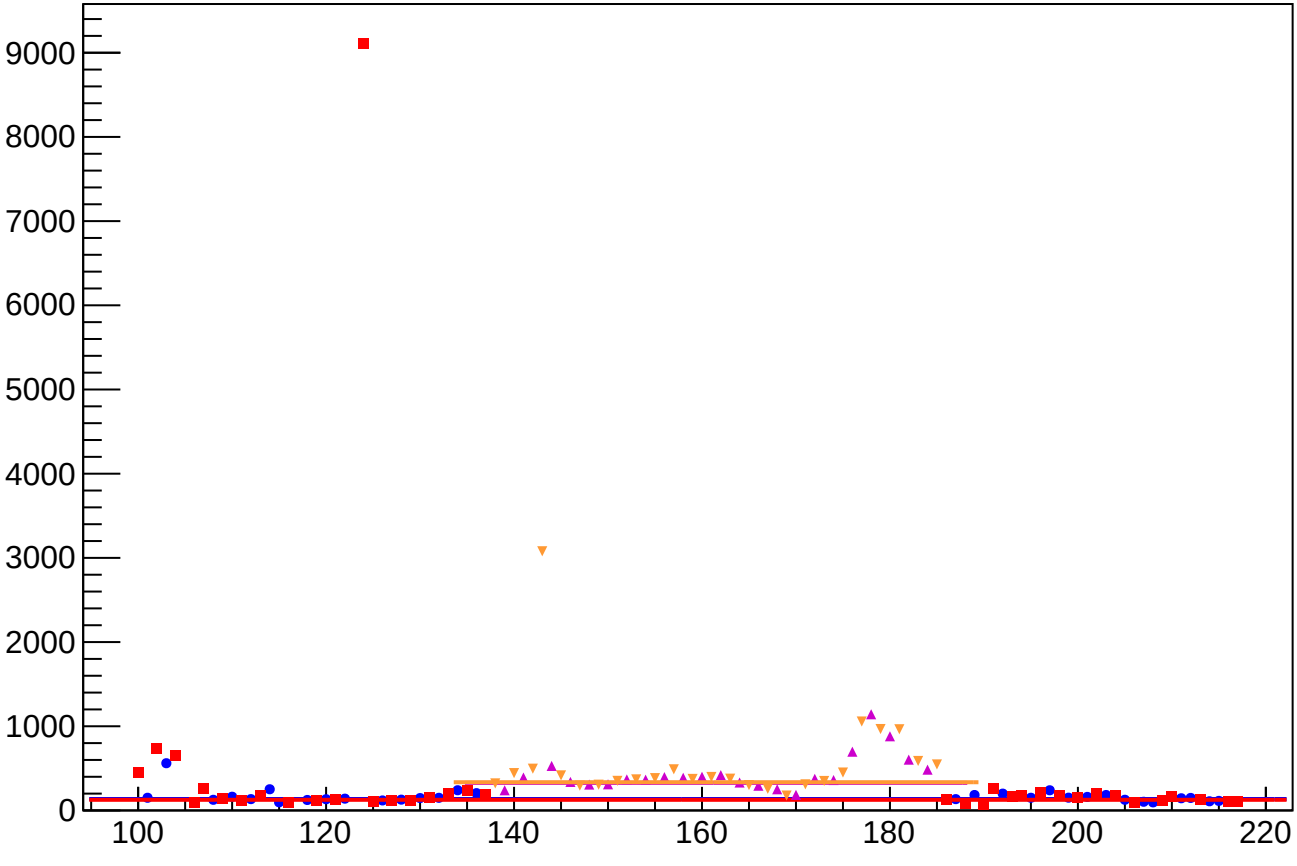
Right: 0.008+/-0.023 χ^2/NDF: 73.2/66

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.020+/-0.029 χ^2/NDF:70.4/60

All: -0.001+/-0.021 χ^2/NDF: 135.5/114

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: 126.510+/-0.022 χ^2/NDF: 4404918.1/35

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

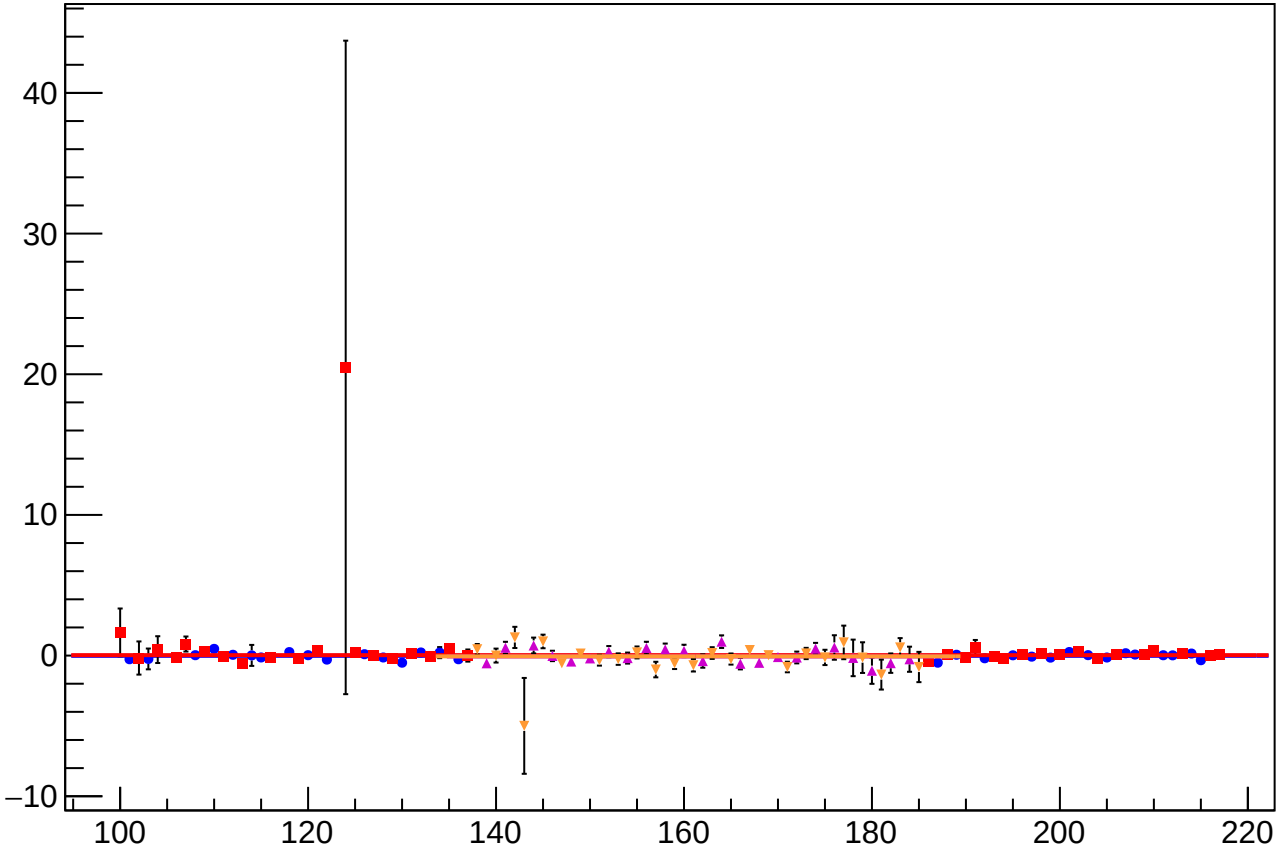
Right: 130.893+/-0.016 χ^2/NDF: 6975674.9/66

In: 162.887+/-0.022 χ^2/NDF:15859794.6/53

Out: 151.535+/-0.021 χ^2/NDF:20961431.3/60

All: 156.886+/-0.015 χ^2/NDF: 36962717.0/11

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: 0.030+/-0.031 χ^2/NDF: 36.4/35

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

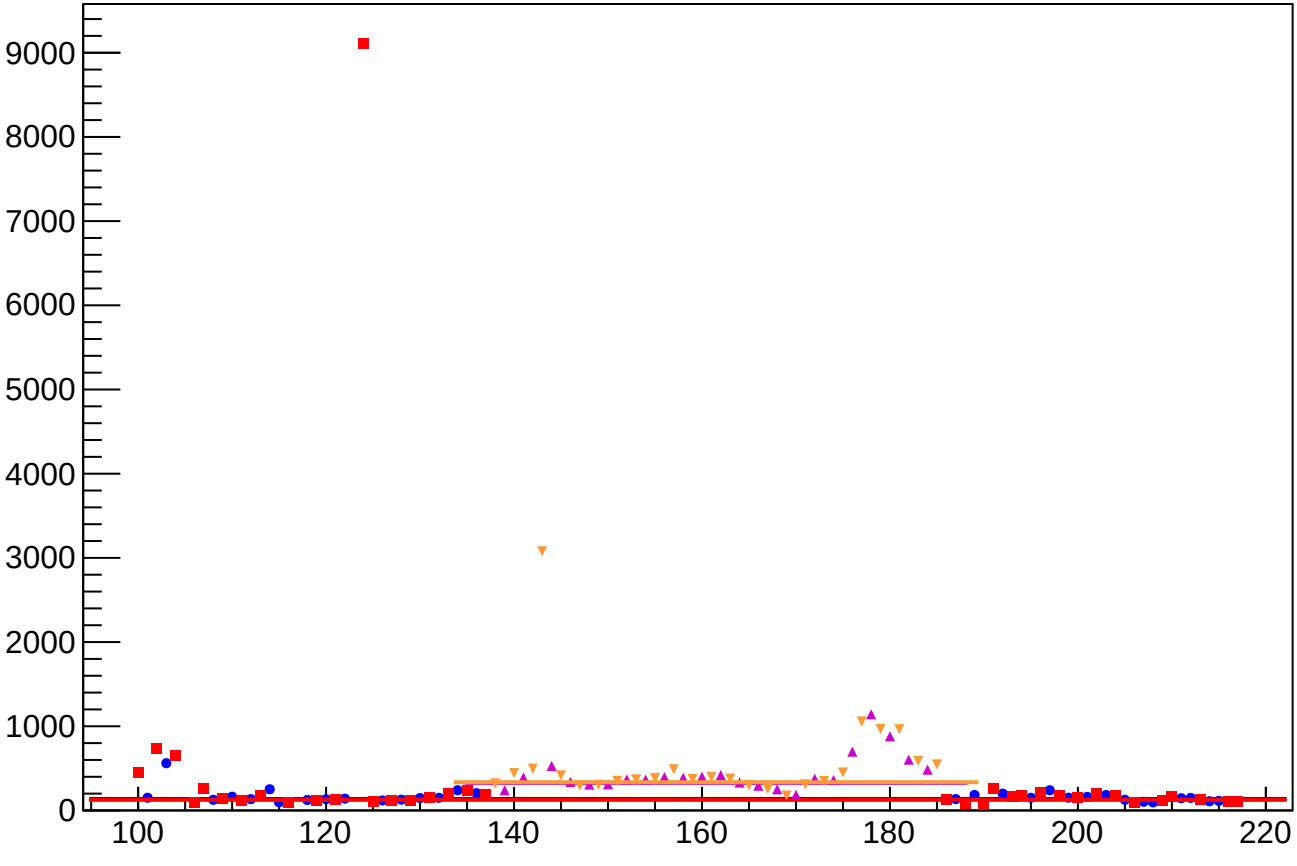
Right: 0.008+/-0.023 χ^2/NDF: 73.2/66

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.020+/-0.029 χ^2/NDF:70.4/60

All: -0.001+/-0.021 χ^2/NDF: 135.5/114

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: 126.510+/-0.022 χ^2/NDF: 4404918.1/35

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

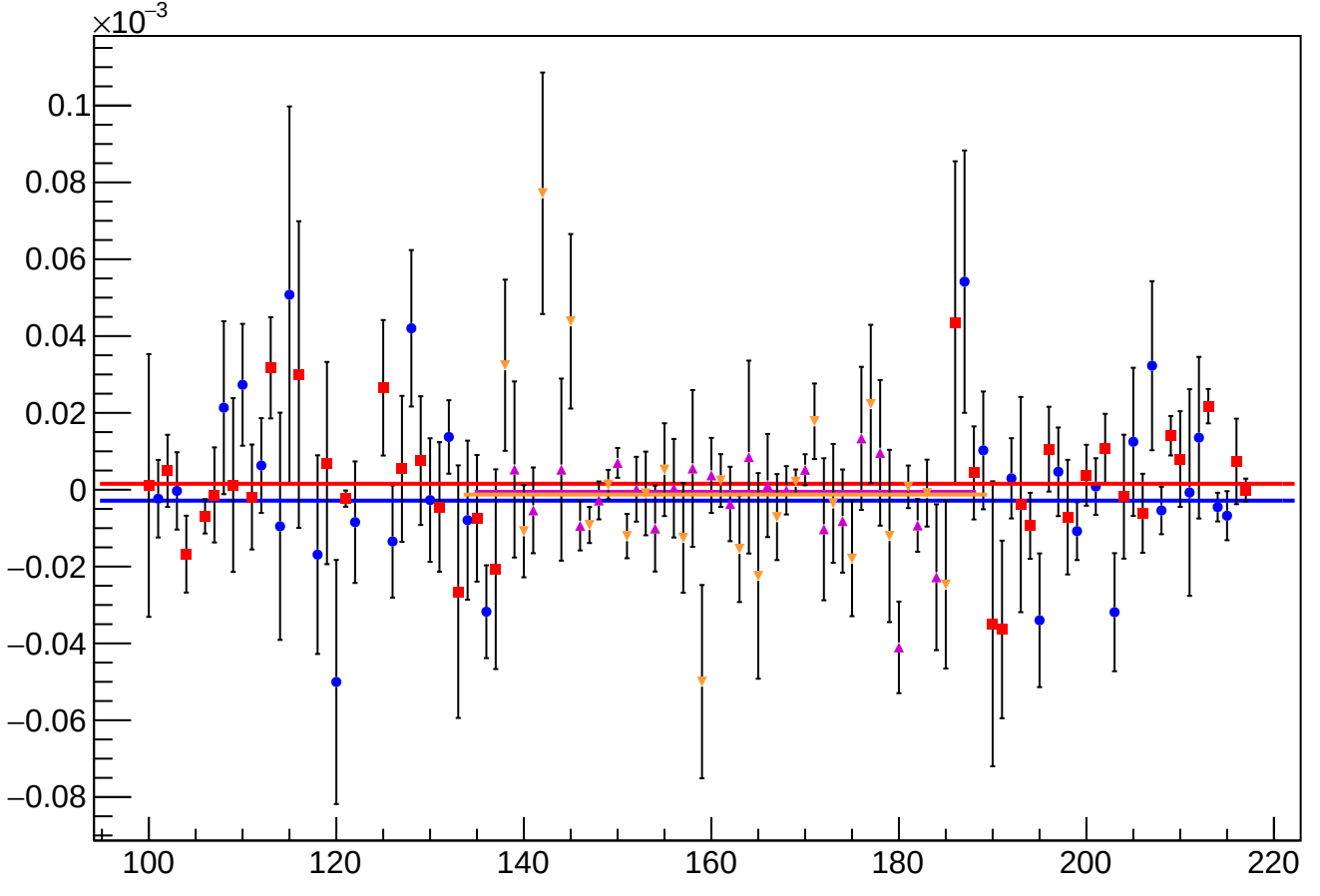
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 130.893+/-0.016 χ^2/NDF: 6975674.9/66

In: 162.887+/-0.022 χ^2/NDF:15859794.6/53

Out: 151.535+/-0.021 χ^2/NDF:20961431.3/60

All: 156.886+/-0.015 χ^2/NDF: 36962717.0/11



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: 56.7/34

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

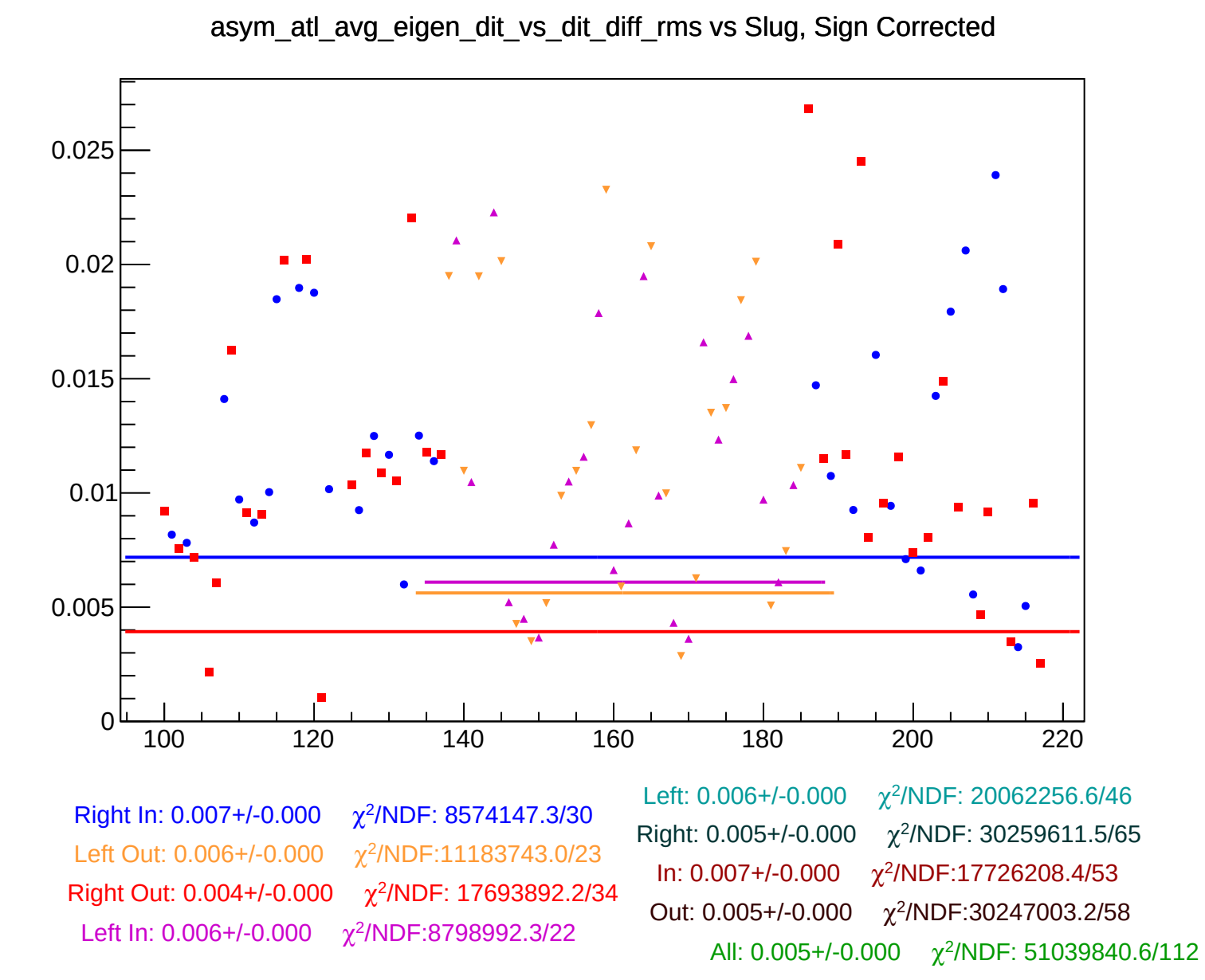
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

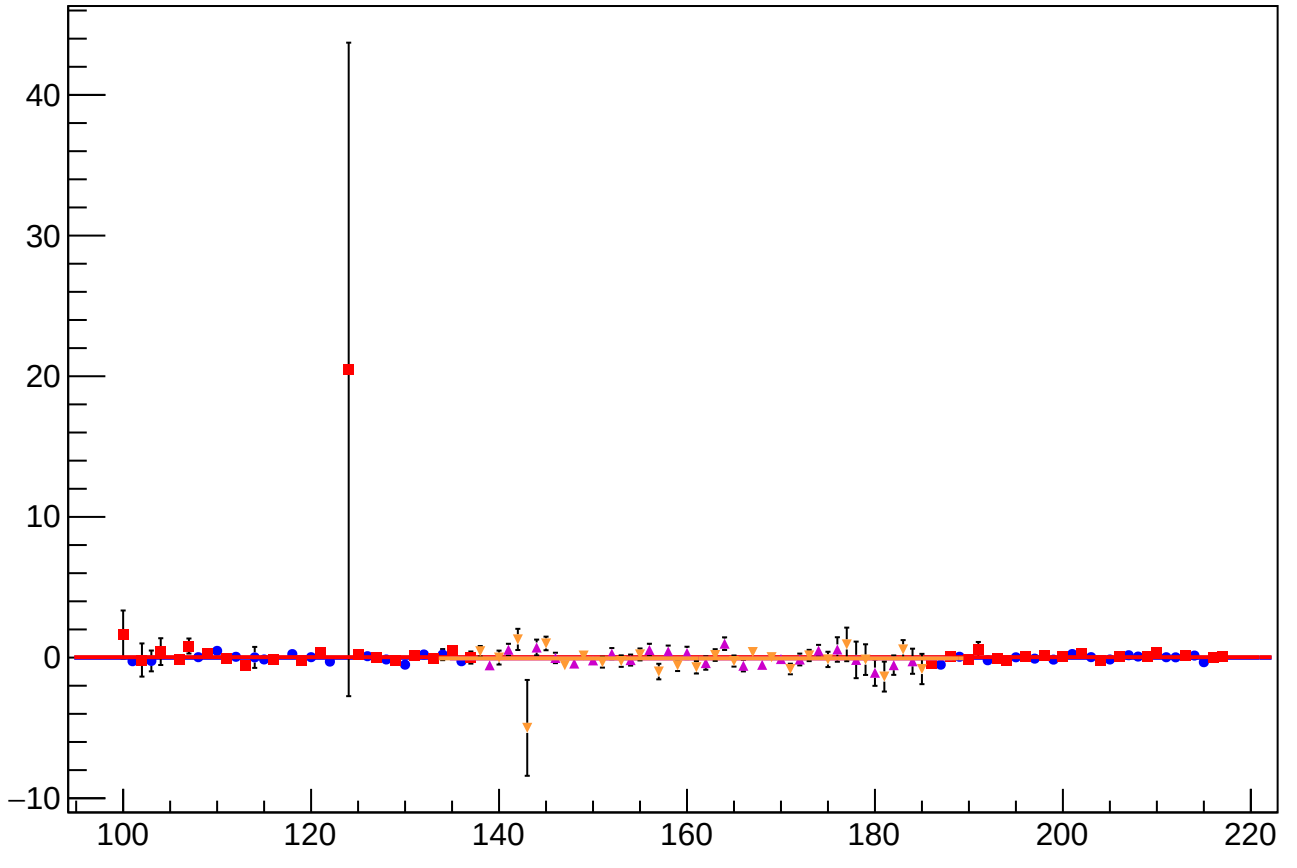
Right: 0.000+/-0.000 χ^2/NDF: 100.7/65

In: -0.000+/-0.000 χ^2/NDF:66.6/53

Out: 0.000+/-0.000 χ^2/NDF:94.3/58

All: -0.000+/-0.000 χ^2/NDF: 162.5/112


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.007+/-0.000 χ²/NDF: 8574147.3/30
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 17693892.2/34
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
Left: 0.006+/-0.000 χ²/NDF: 20062256.6/46
Right: 0.005+/-0.000 χ²/NDF: 30259611.5/65
In: 0.007+/-0.000 χ²/NDF:17726208.4/53
Out: 0.005+/-0.000 χ²/NDF:30247003.2/58
All: 0.005+/-0.000 χ²/NDF: 51039840.6/112



Right In: -0.017+/-0.033 χ^2/NDF: 35.8/30

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.030+/-0.031 χ^2/NDF: 36.4/35

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

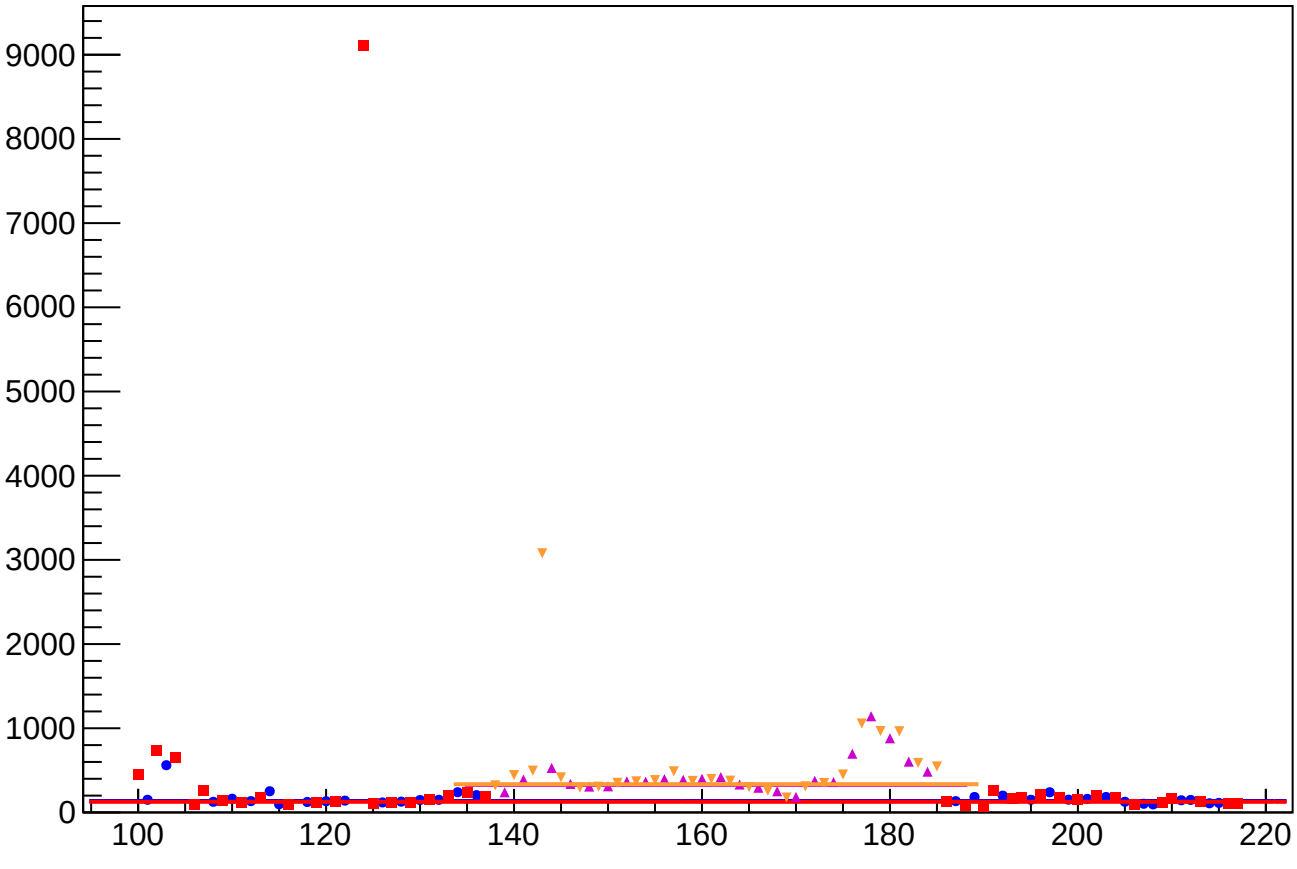
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.008+/-0.023 χ^2/NDF: 73.2/66

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.020+/-0.029 χ^2/NDF:70.4/60

All: -0.001+/-0.021 χ^2/NDF: 135.5/114



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: 126.509+/-0.022 χ^2/NDF: 4405003.6/35

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

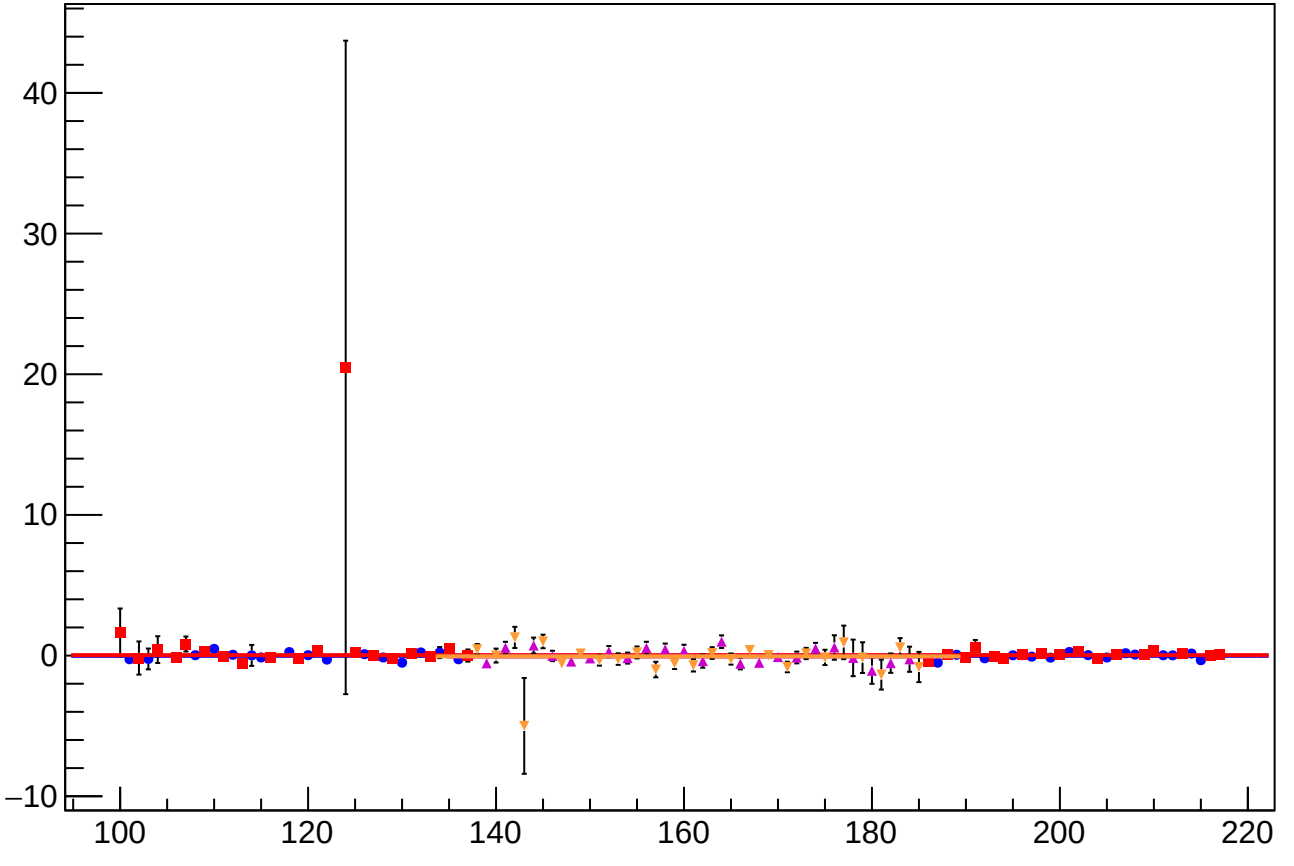
Right: 130.891+/-0.016 χ^2/NDF: 6975953.8/66

In: 162.884+/-0.022 χ^2/NDF:15860458.3/53

Out: 151.533+/-0.021 χ^2/NDF:20961864.4/60

All: 156.883+/-0.015 χ^2/NDF: 36963786.6/12

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: 0.030+/-0.031 χ^2/NDF: 36.4/35

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

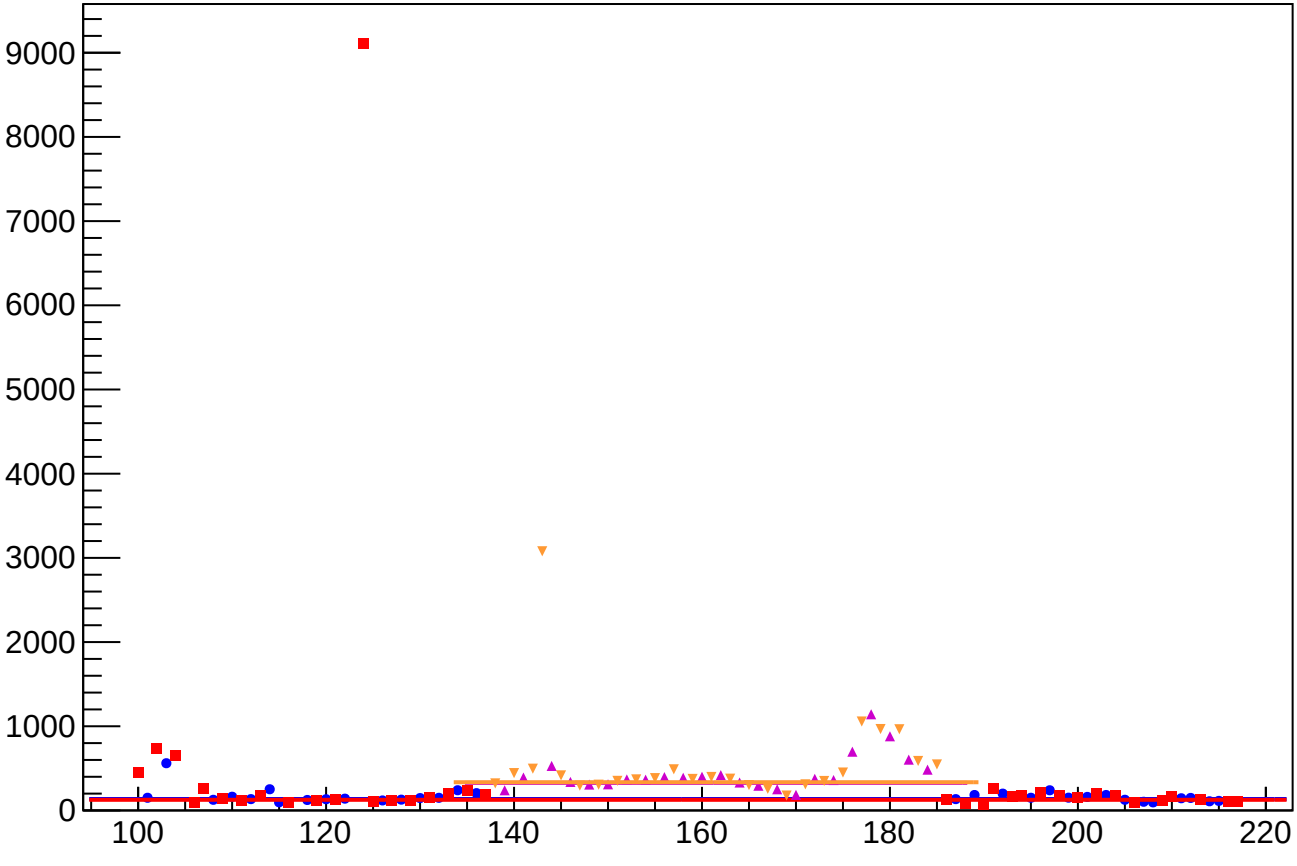
Right: 0.008+/-0.023 χ^2/NDF: 73.2/66

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.020+/-0.029 χ^2/NDF:70.4/60

All: -0.001+/-0.021 χ^2/NDF: 135.5/114

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: 126.509+/-0.022 χ^2/NDF: 4405003.6/35

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

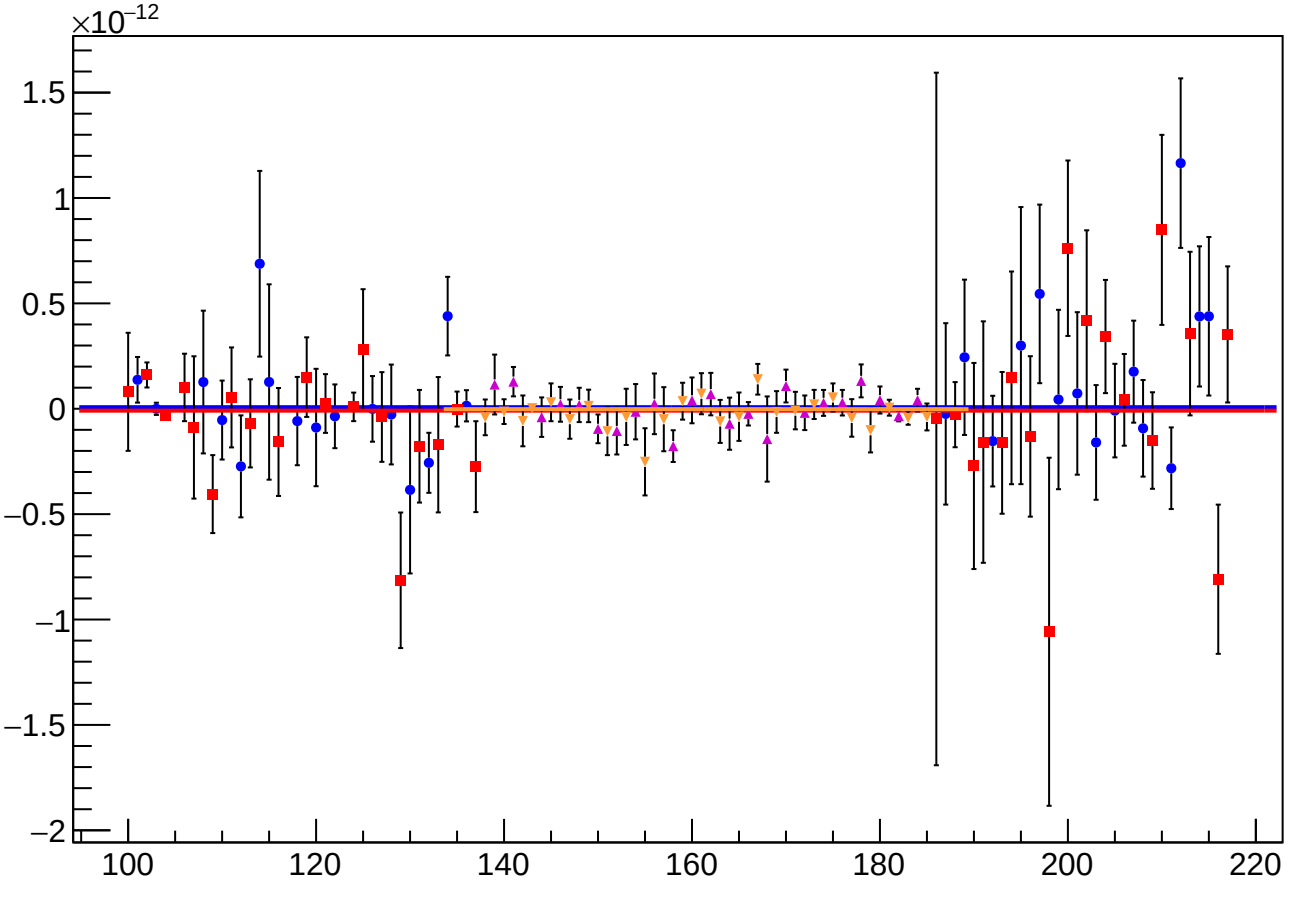
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 130.891+/-0.016 χ^2/NDF: 6975953.8/66

In: 162.884+/-0.022 χ^2/NDF:15860458.3/53

Out: 151.533+/-0.021 χ^2/NDF:20961864.4/60

All: 156.883+/-0.015 χ^2/NDF: 36963786.6/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.0/35

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

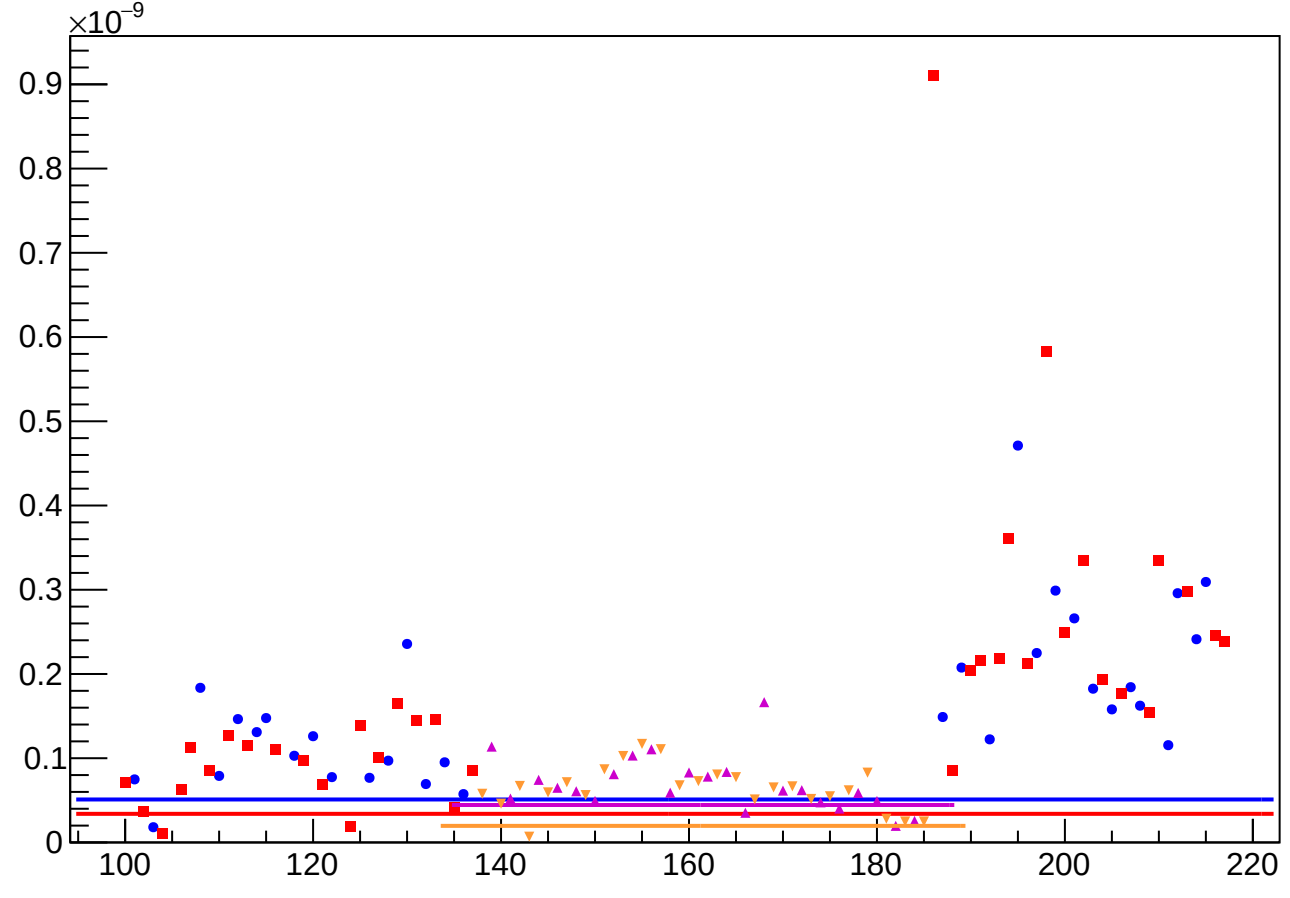
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 78.3/66

In: 0.000+/-0.000 χ^2/NDF:55.6/53

Out: -0.000+/-0.000 χ^2/NDF:58.7/60

All: -0.000+/-0.000 χ^2/NDF: 114.4/114



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: 16139225.1/35

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

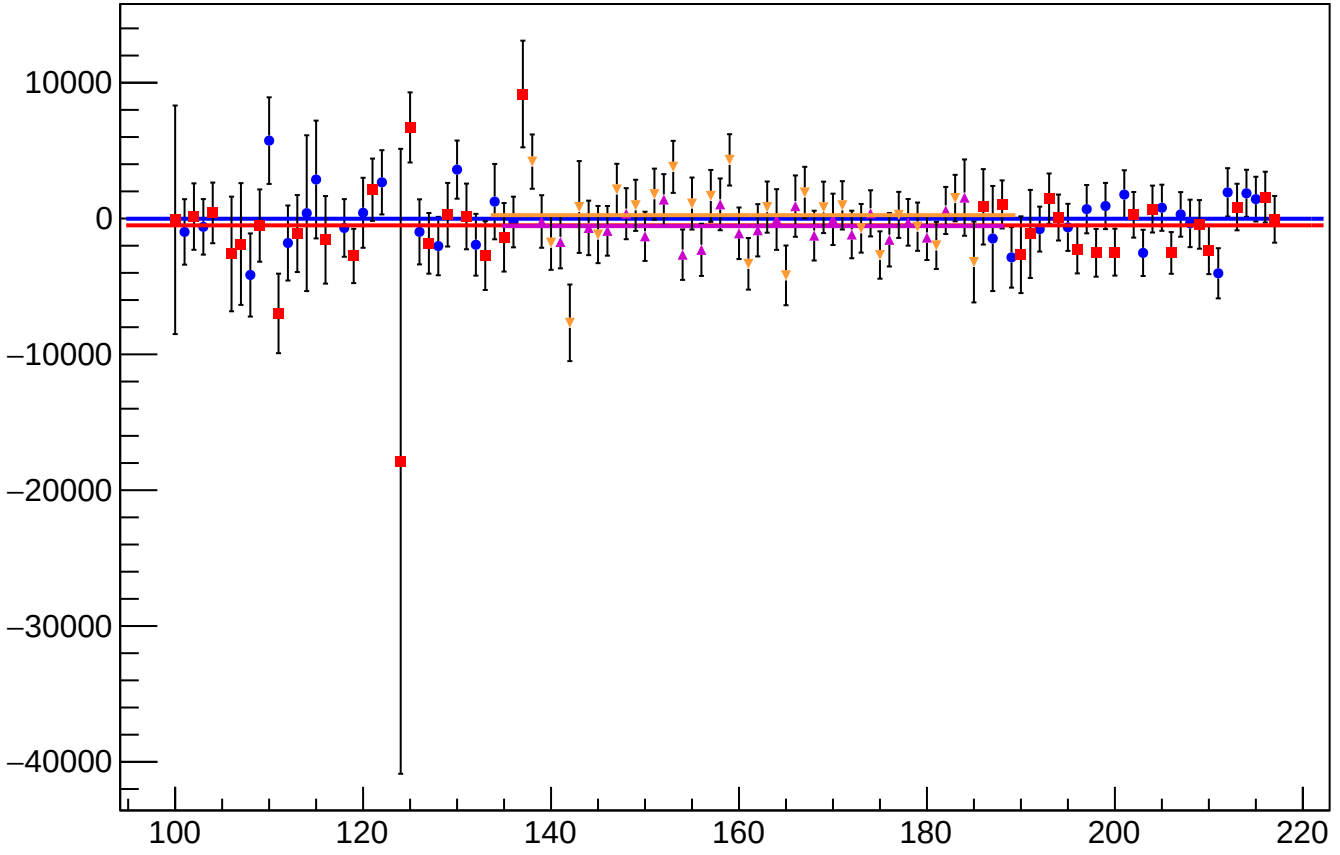
Right: 0.000+/-0.000 χ^2/NDF: 29090682.7/66

In: 0.000+/-0.000 χ^2/NDF:18303454.8/53

Out: 0.000+/-0.000 χ^2/NDF:32060689.4/60

All: 0.000+/-0.000 χ^2/NDF: 56117032.9/114

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: -501.126+/-365.604 χ^2/NDF: 36.0/35

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

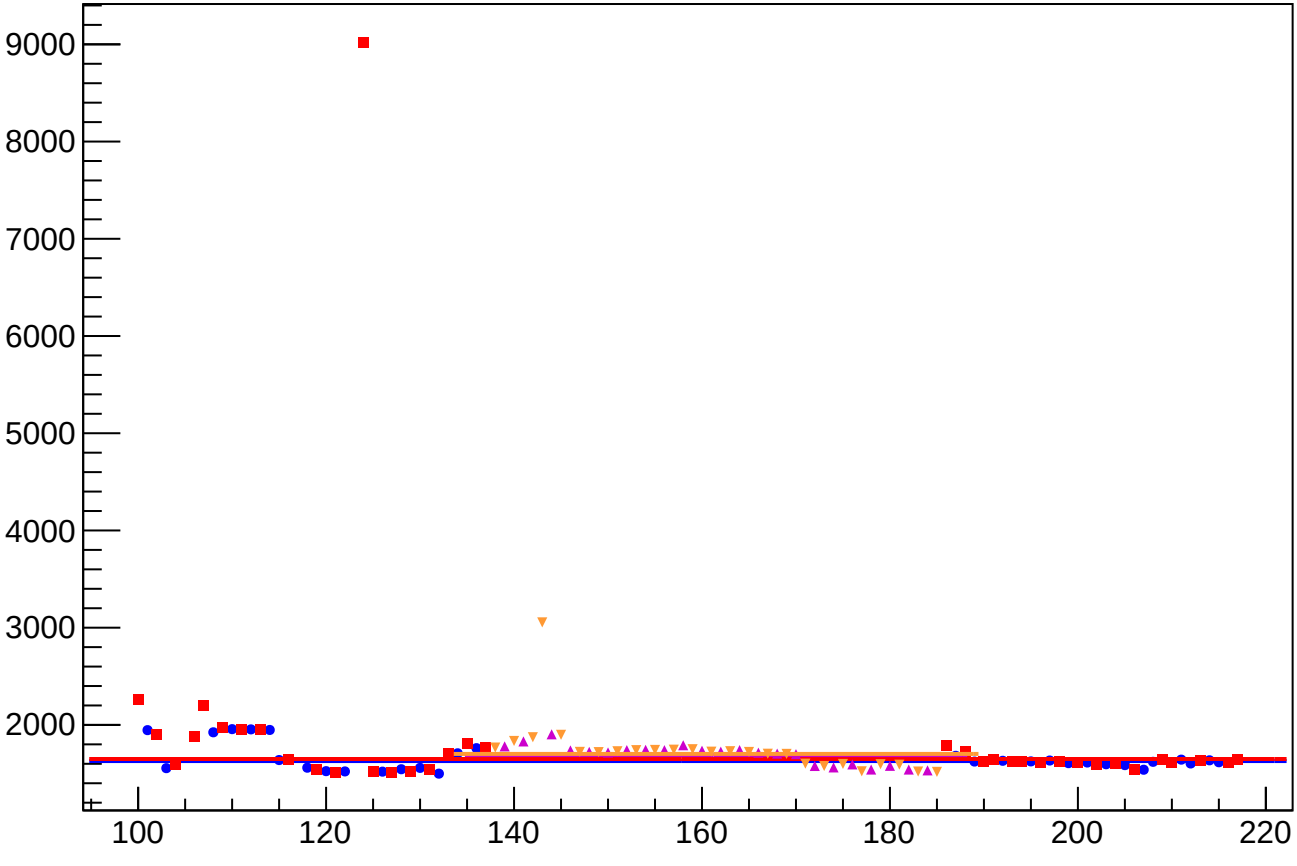
Right: -261.985+/-260.610 χ^2/NDF: 63.2/66

In: -270.765+/-270.686 χ^2/NDF:34.9/53

Out: -149.492+/-266.353 χ^2/NDF:77.5/60

All: -209.150+/-189.853 χ^2/NDF: 112.5/114

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: 1649.370+/-0.258 χ^2/NDF: 423864.9/35

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

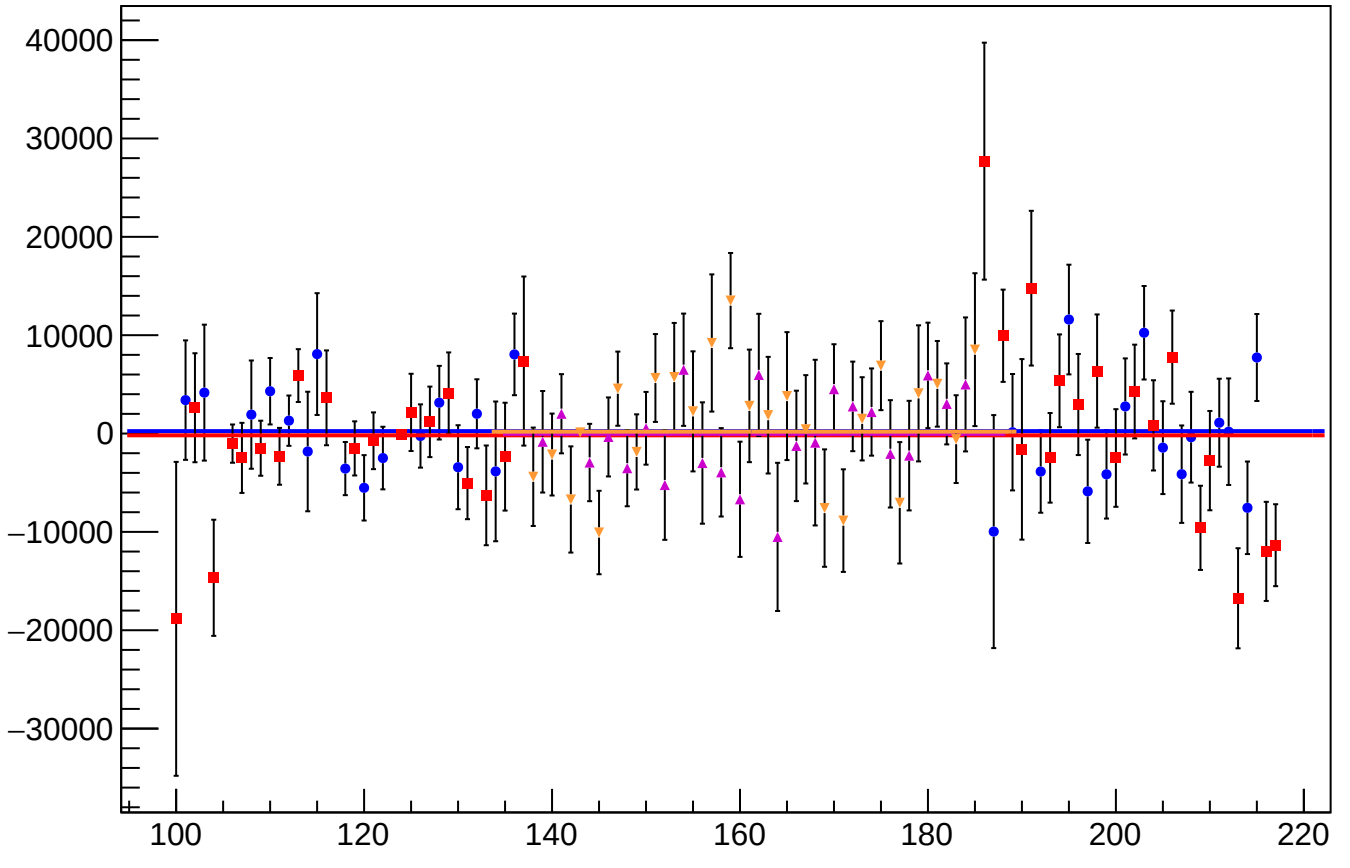
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1638.983+/-0.184 χ^2/NDF: 584965.9/66

In: 1656.868+/-0.191 χ^2/NDF:305450.8/53

Out: 1673.831+/-0.188 χ^2/NDF:895412.5/60

All: 1665.493+/-0.134 χ^2/NDF: 1204856.8/11



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: -180.812+/-313.258 χ^2/NDF: 70.1/35

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

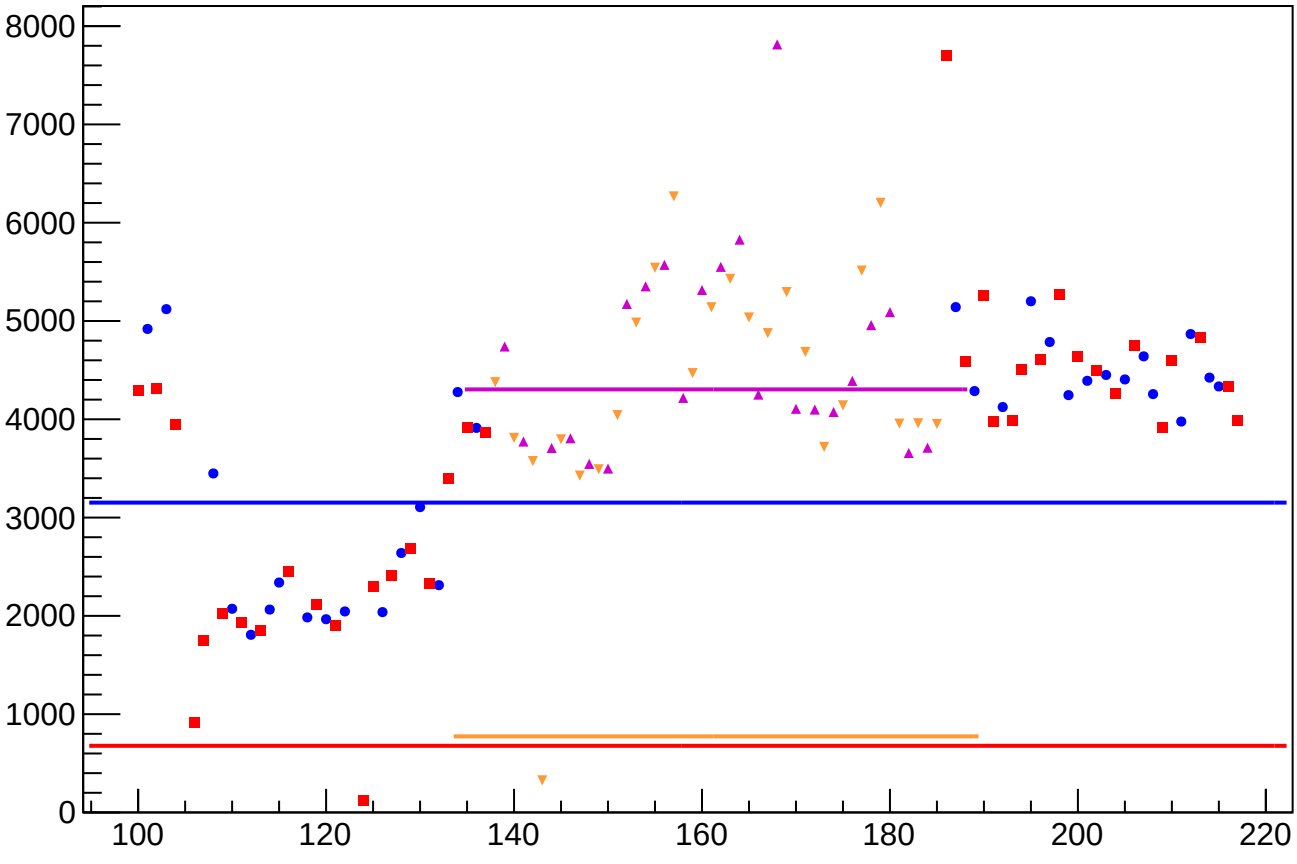
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -120.150+/-290.094 χ^2/NDF: 105.1/66

In: 146.605+/-615.075 χ^2/NDF:48.0/53

Out: -10.655+/-231.349 χ^2/NDF:104.7/60

All: 8.836+/-216.538 χ^2/NDF: 152.7/114



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: 677.999+/-0.222 χ^2/NDF: 31323890.0/35

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

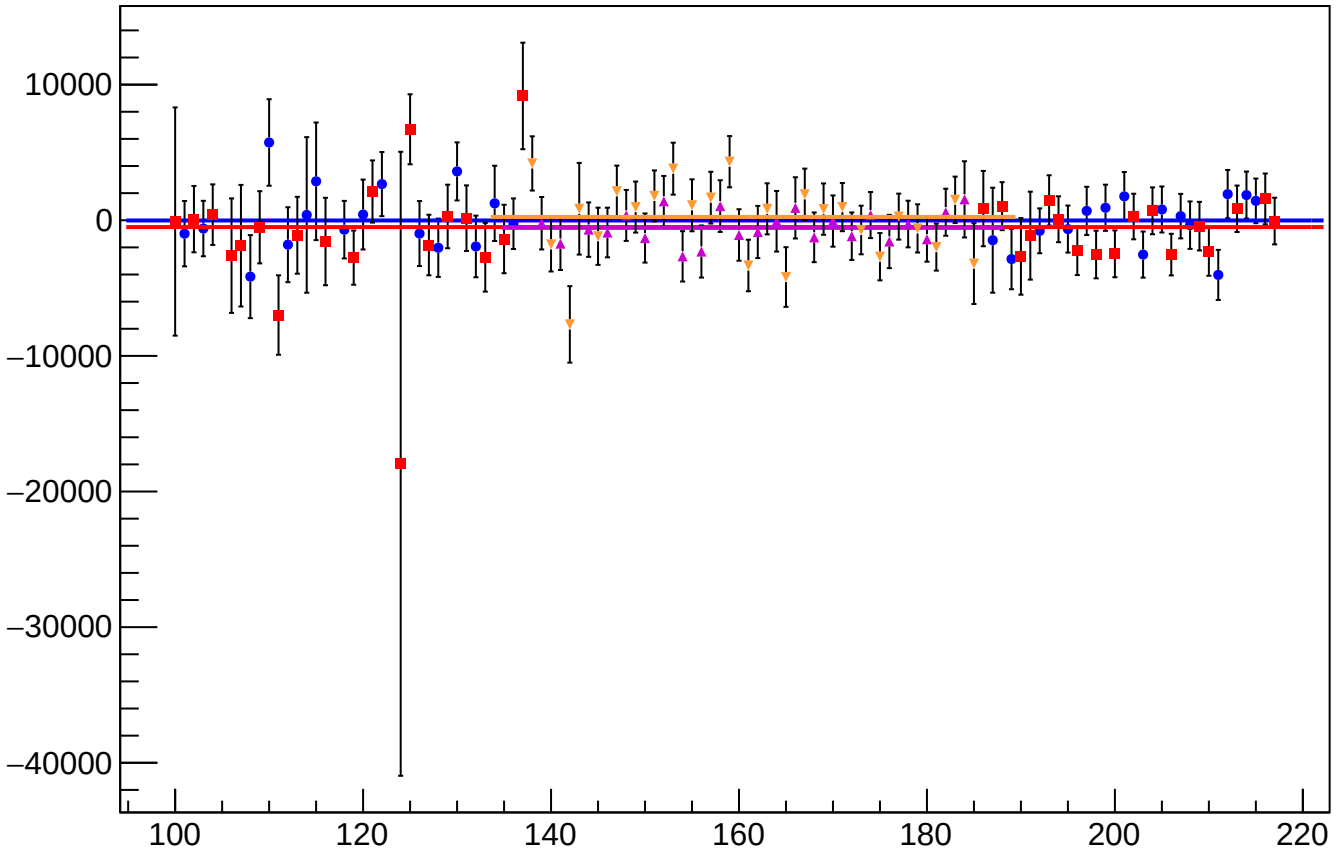
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 1030.381+/-0.205 χ^2/NDF: 53757377.2/66

In: 3566.580+/-0.435 χ^2/NDF:7495780.3/53

Out: 721.745+/-0.164 χ^2/NDF:59495275.9/60

All: 1074.334+/-0.153 χ^2/NDF: 104473015.5



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: -502.554+/-365.605 χ^2/NDF: 36.0/35

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

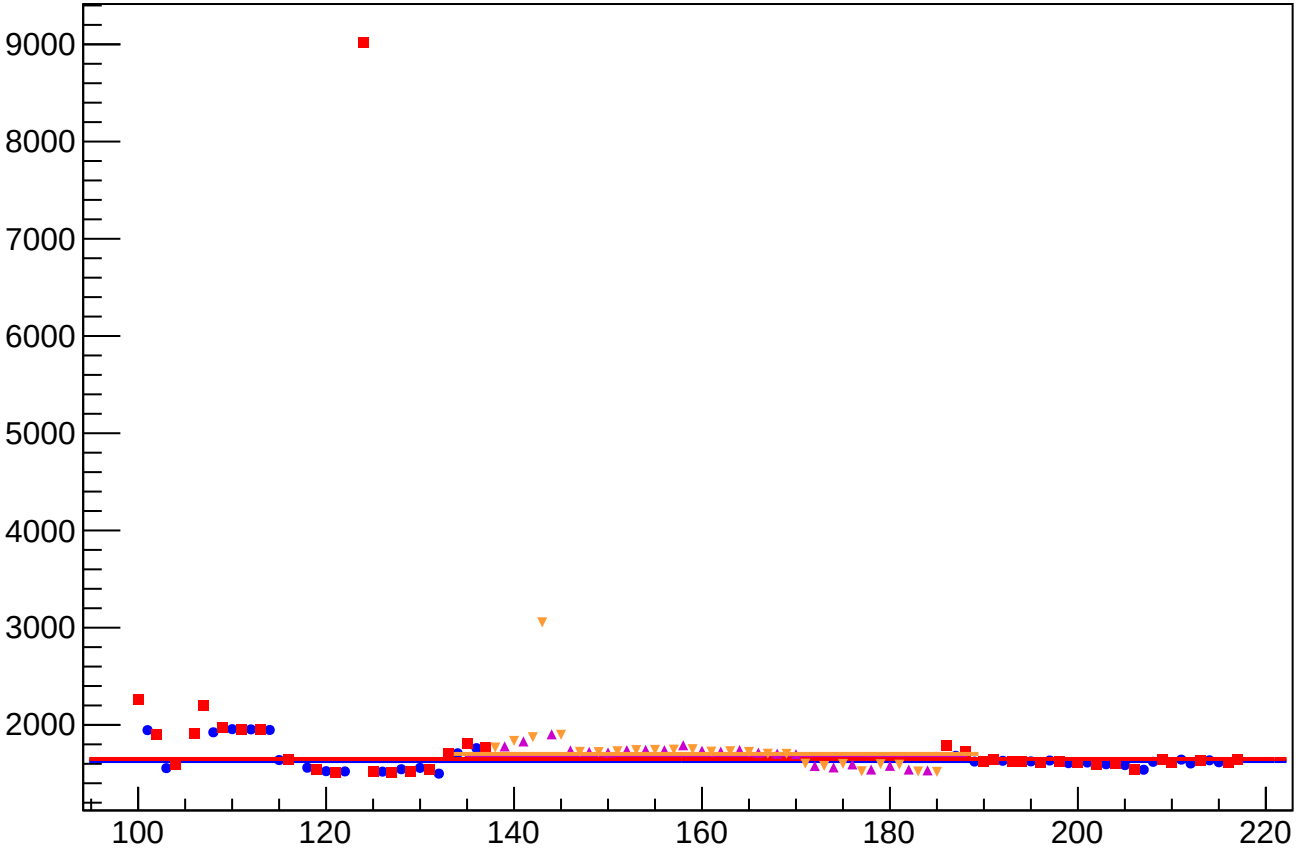
Right: -262.679+/-260.611 χ^2/NDF: 63.2/66

In: -270.717+/-270.686 χ^2/NDF:34.9/53

Out: -150.256+/-266.353 χ^2/NDF:77.5/60

All: -209.515+/-189.853 χ^2/NDF: 112.5/114

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: 1649.621+/-0.258 χ^2/NDF: 425983.8/35

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

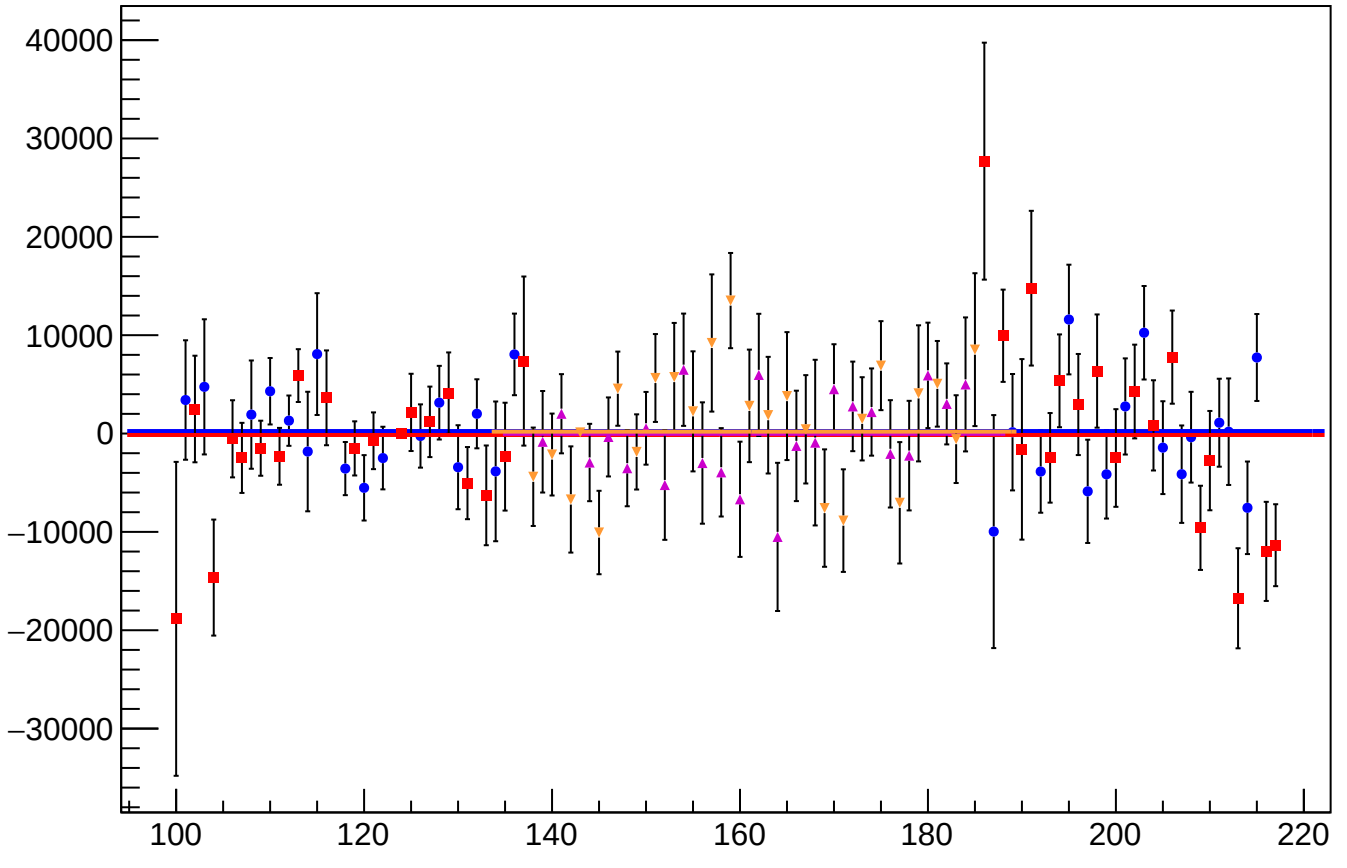
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.108+/-0.184 χ^2/NDF: 587162.9/66

In: 1656.868+/-0.191 χ^2/NDF:305450.8/53

Out: 1673.968+/-0.188 χ^2/NDF:897344.9/60

All: 1665.562+/-0.134 χ^2/NDF: 1206853.8/11



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: -146.973+/-306.030 χ^2/NDF: 70.0/35

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

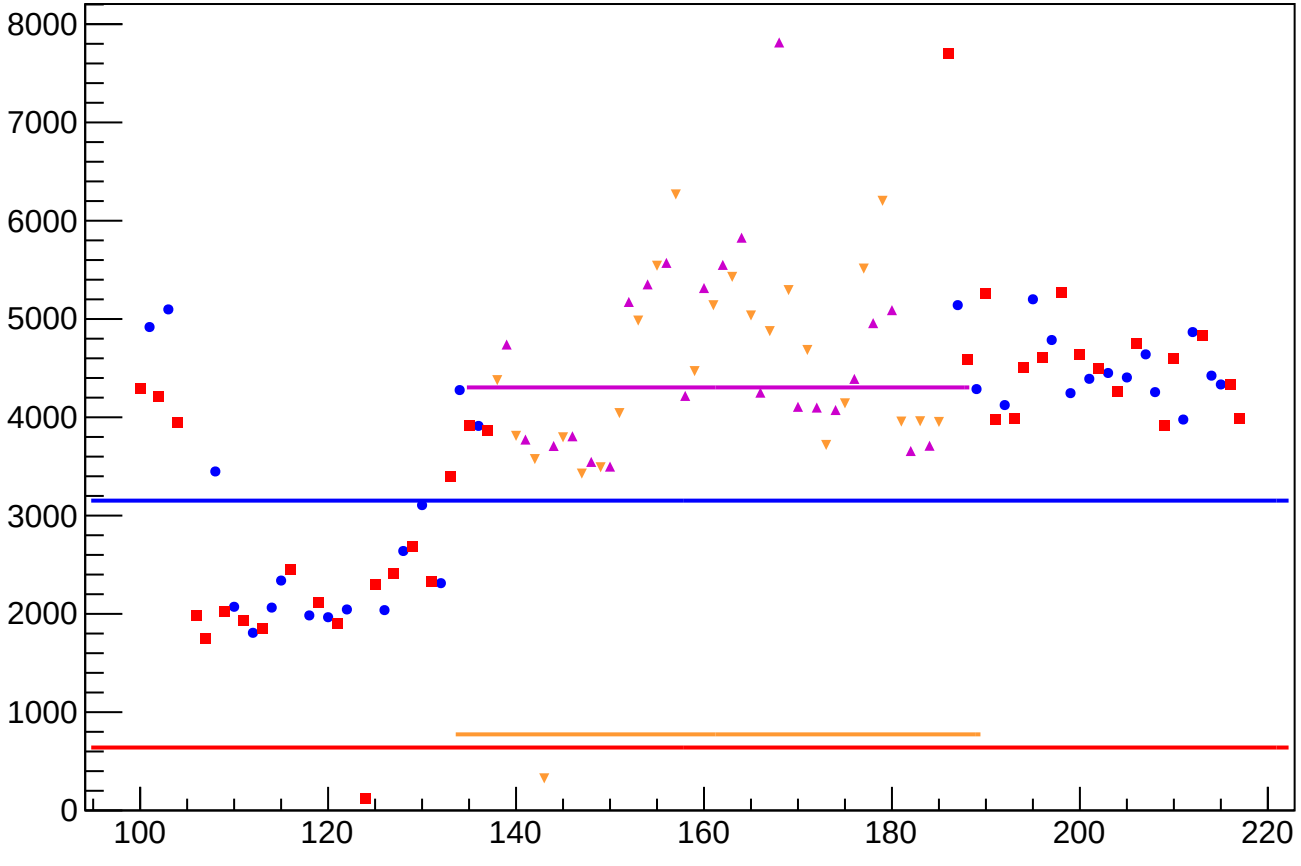
Right: -92.215+/-284.323 χ^2/NDF: 105.0/66

In: 151.782+/-615.043 χ^2/NDF:48.1/53

Out: 4.064+/-228.384 χ^2/NDF:104.4/60

All: 21.964+/-214.100 χ^2/NDF: 152.6/114

asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected



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: 640.294+/-0.216 χ^2/NDF: 32003198.7/35

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

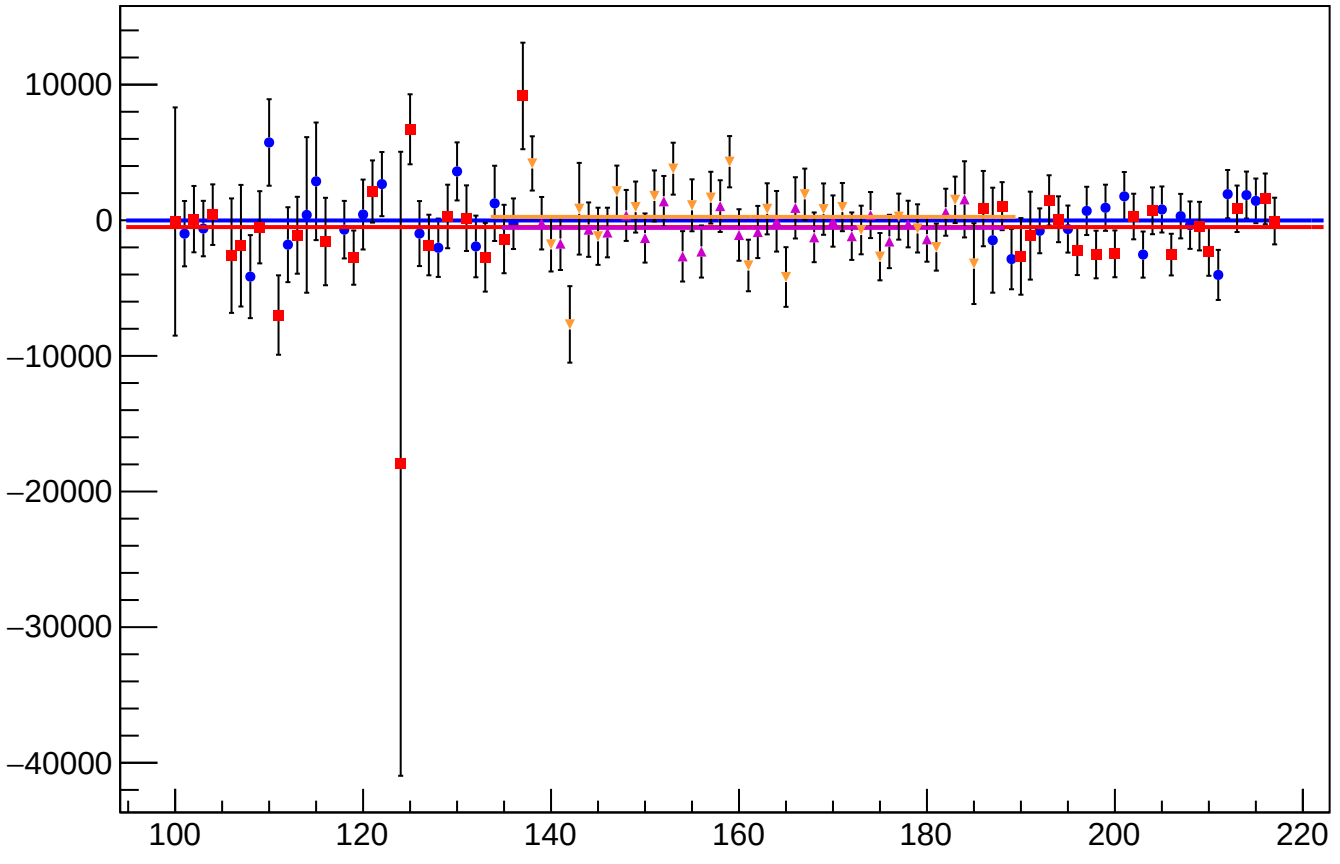
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 984.006+/-0.201 χ^2/NDF: 55102632.3/66

In: 3566.531+/-0.435 χ^2/NDF:7493938.3/53

Out: 699.598+/-0.161 χ^2/NDF:60259167.3/60

All: 1047.005+/-0.151 χ^2/NDF: 105943601.4/



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: -502.554+/-365.605 χ^2/NDF: 36.0/35

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

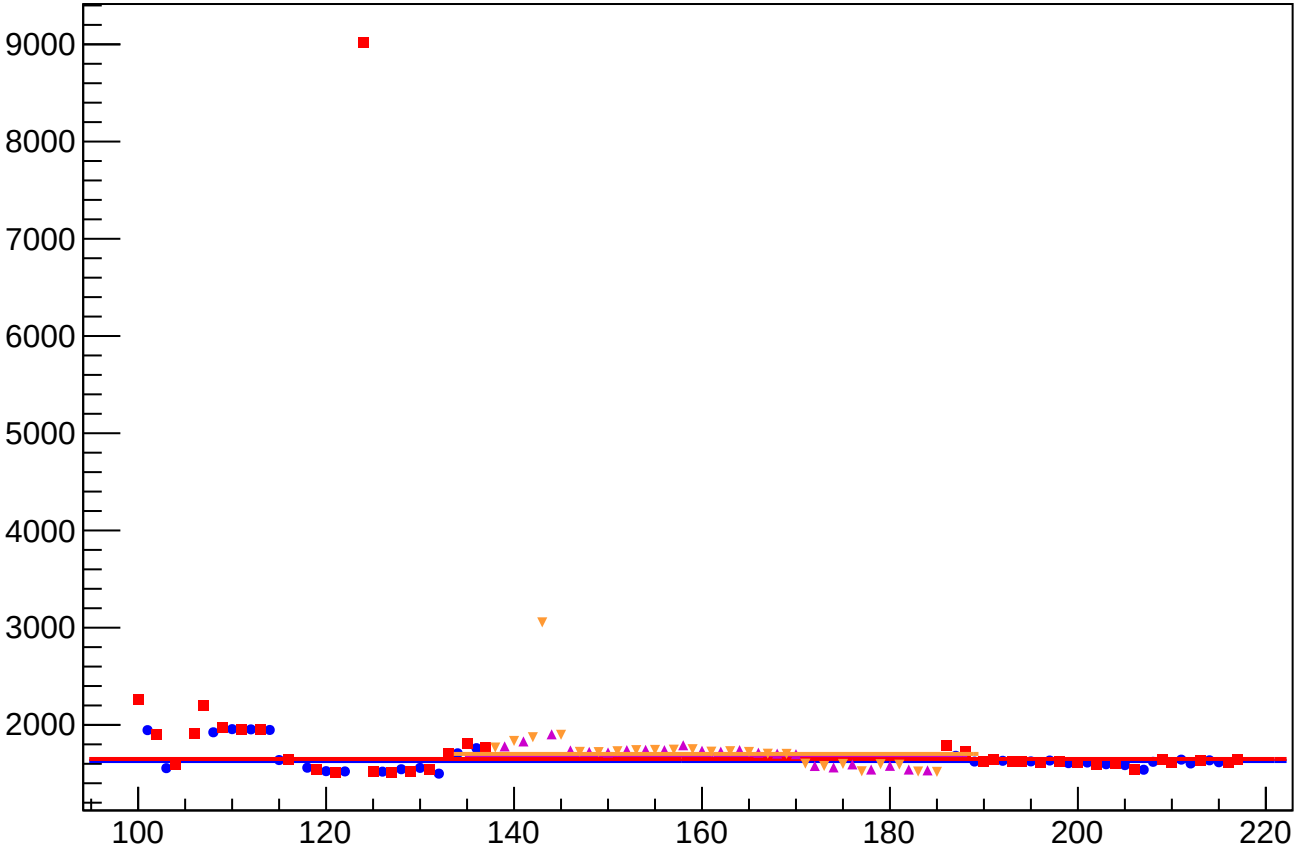
Right: -262.679+/-260.611 χ^2/NDF: 63.2/66

In: -270.717+/-270.686 χ^2/NDF:34.9/53

Out: -150.256+/-266.353 χ^2/NDF:77.5/60

All: -209.515+/-189.853 χ^2/NDF: 112.5/114

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.220+/-0.263 χ^2/NDF: 157803.7/30

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1649.621+/-0.258 χ^2/NDF: 425983.8/35

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

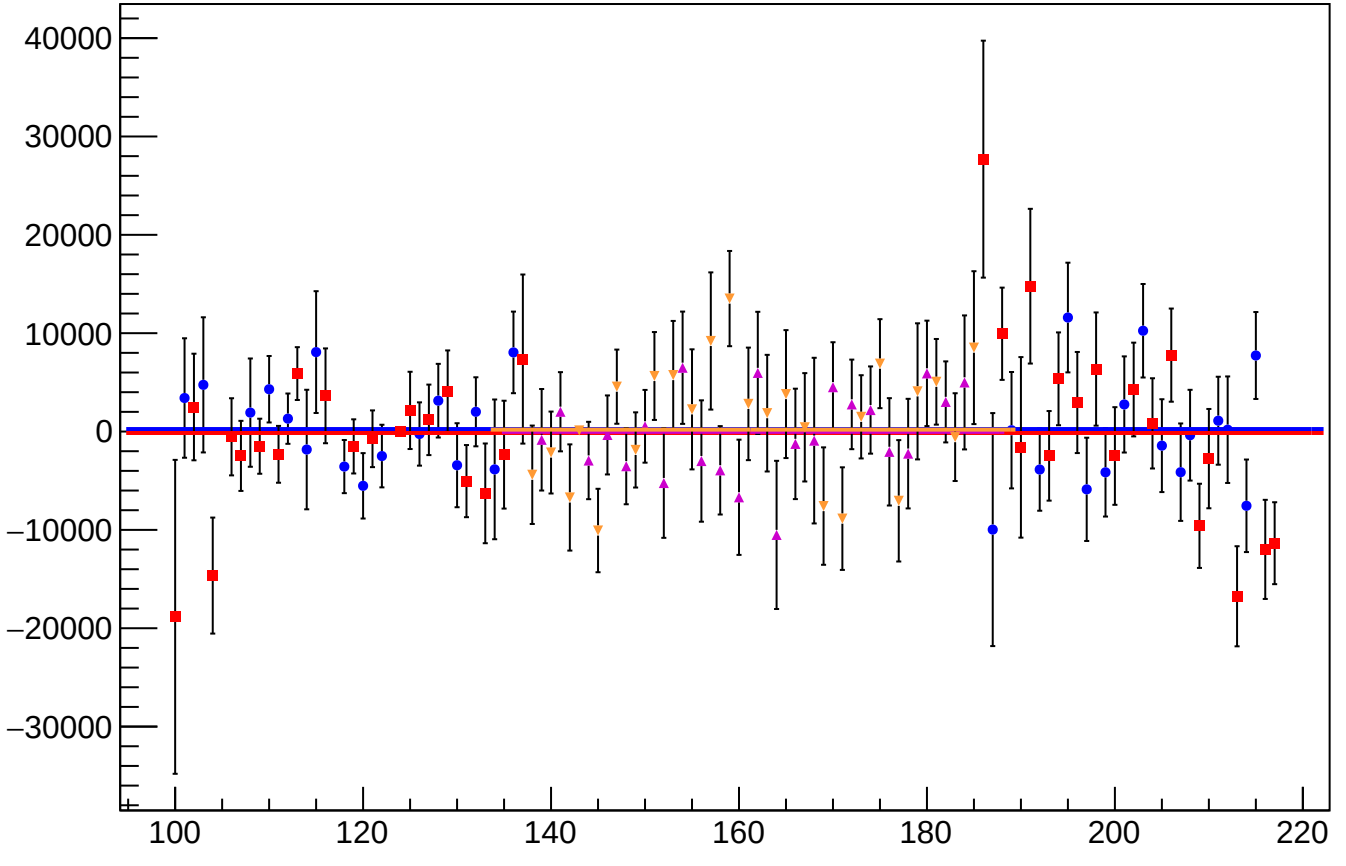
Right: 1639.108+/-0.184 χ^2/NDF: 587162.9/66

In: 1656.868+/-0.191 χ^2/NDF:305450.8/53

Out: 1673.968+/-0.188 χ^2/NDF:897344.9/60

All: 1665.562+/-0.134 χ^2/NDF: 1206853.8/11

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: -146.973+/-306.030 χ^2/NDF: 70.0/35

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

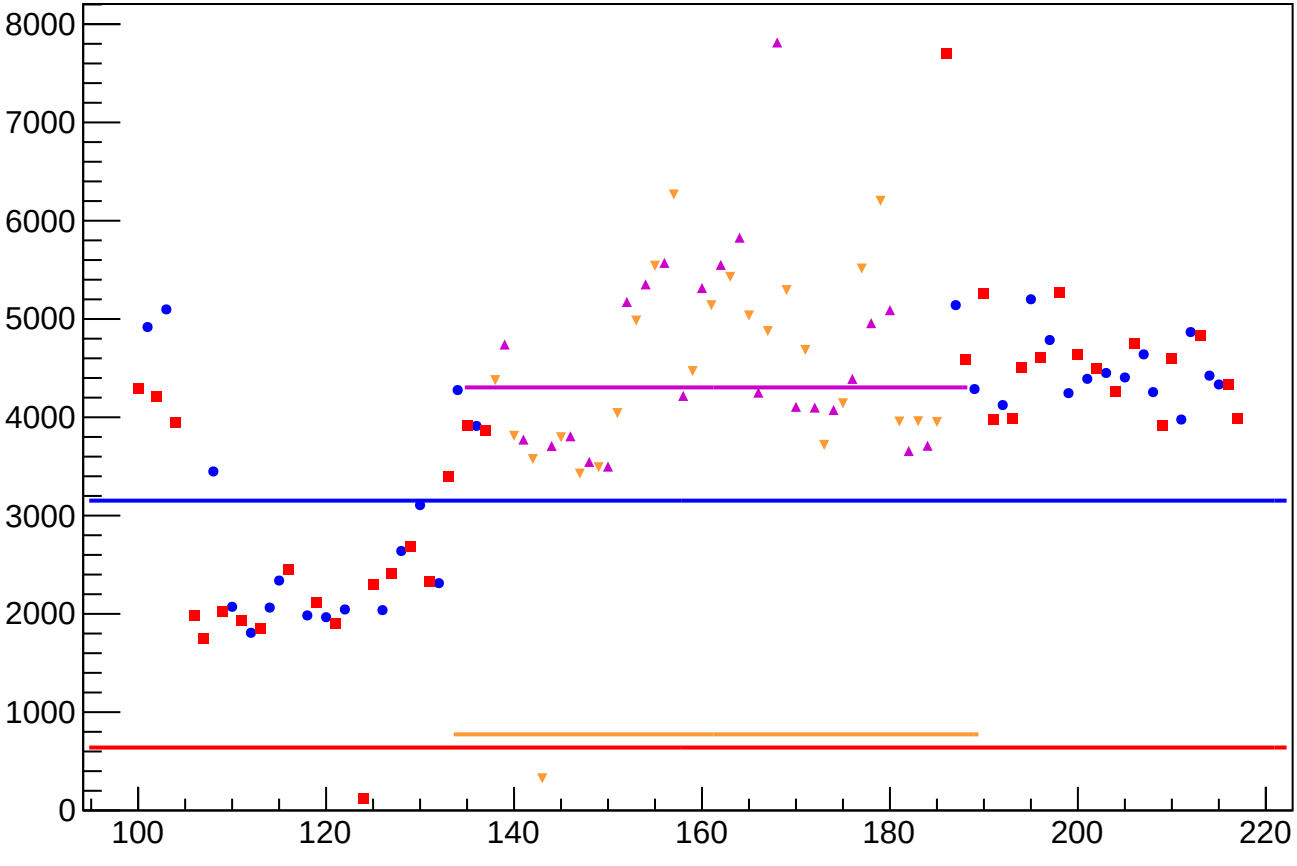
Right: -92.215+/-284.323 χ^2/NDF: 105.0/66

In: 151.782+/-615.043 χ^2/NDF:48.1/53

Out: 4.064+/-228.384 χ^2/NDF:104.4/60

All: 21.964+/-214.100 χ^2/NDF: 152.6/114

asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 640.294+/-0.216 χ^2/NDF: 32003198.7/35

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

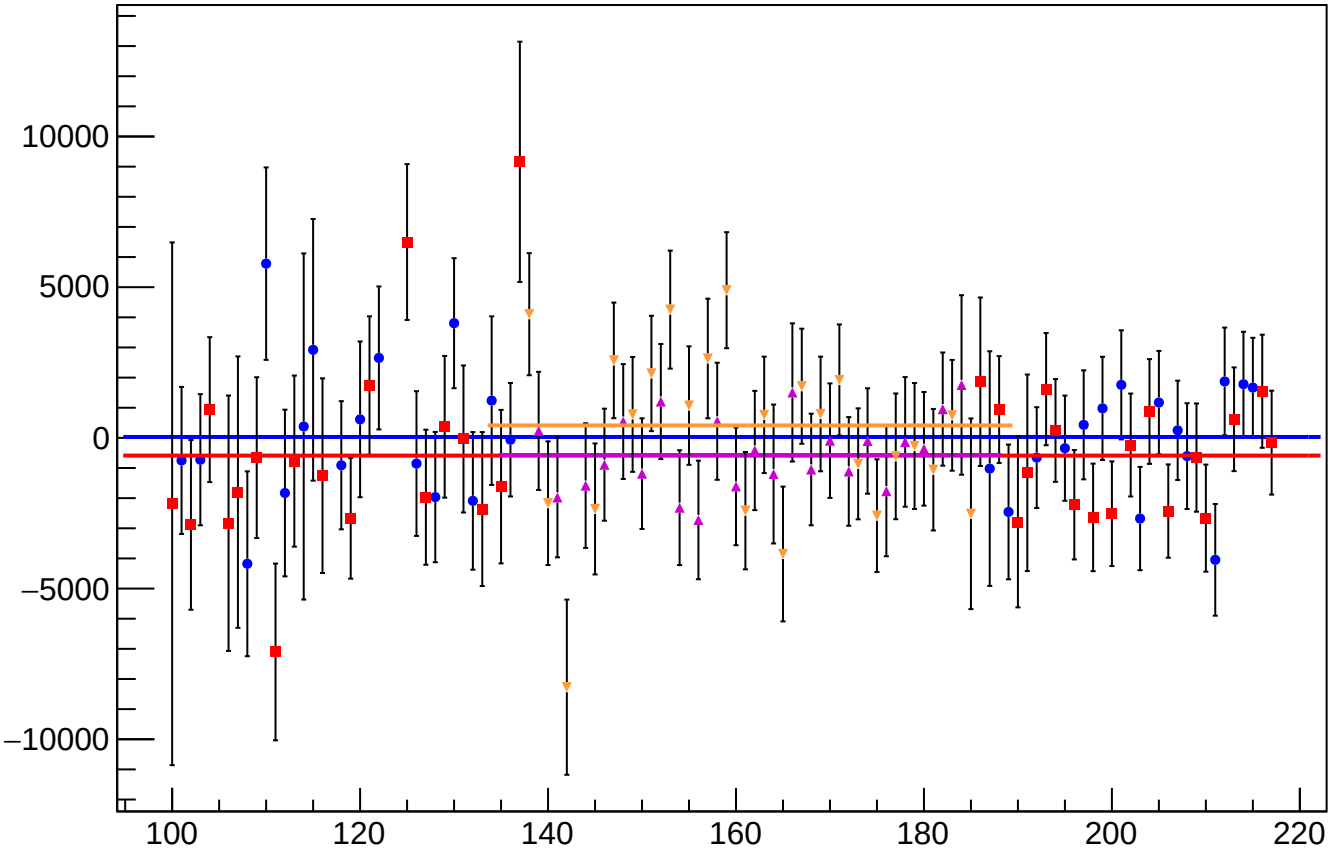
Right: 984.006+/-0.201 χ^2/NDF: 55102632.3/66

In: 3566.531+/-0.435 χ^2/NDF:7493938.3/53

Out: 699.598+/-0.161 χ^2/NDF:60259167.3/60

All: 1047.005+/-0.151 χ^2/NDF: 105943601.4/

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: -587.547+/-369.522 χ^2/NDF: 35.8/34

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

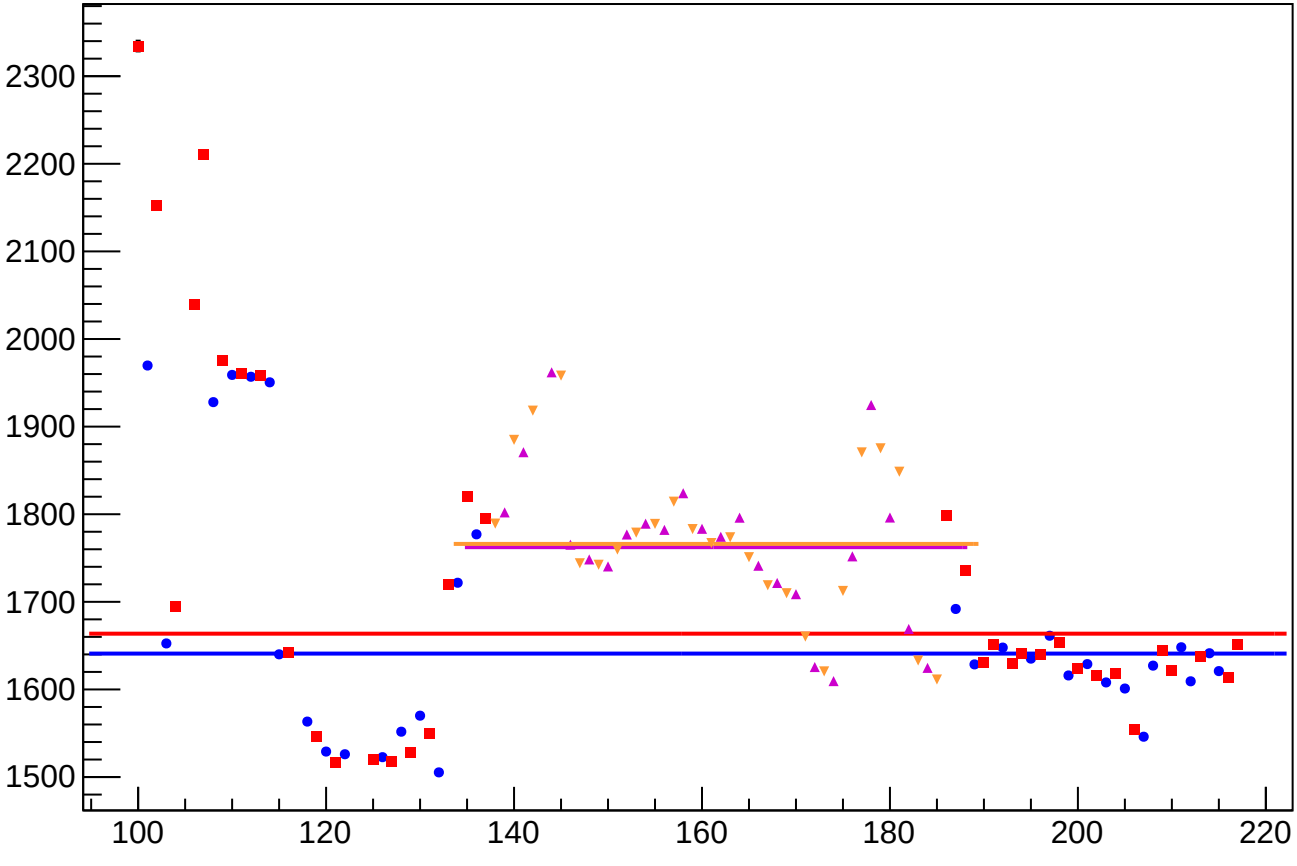
Right: -282.912+/-263.038 χ^2/NDF: 63.8/65

In: -240.894+/-277.143 χ^2/NDF:35.5/53

Out: -139.597+/-274.650 χ^2/NDF:79.1/58

All: -189.788+/-195.082 χ^2/NDF: 114.6/112

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: 1663.663+/-0.261 χ^2/NDF: 268720.4/34

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

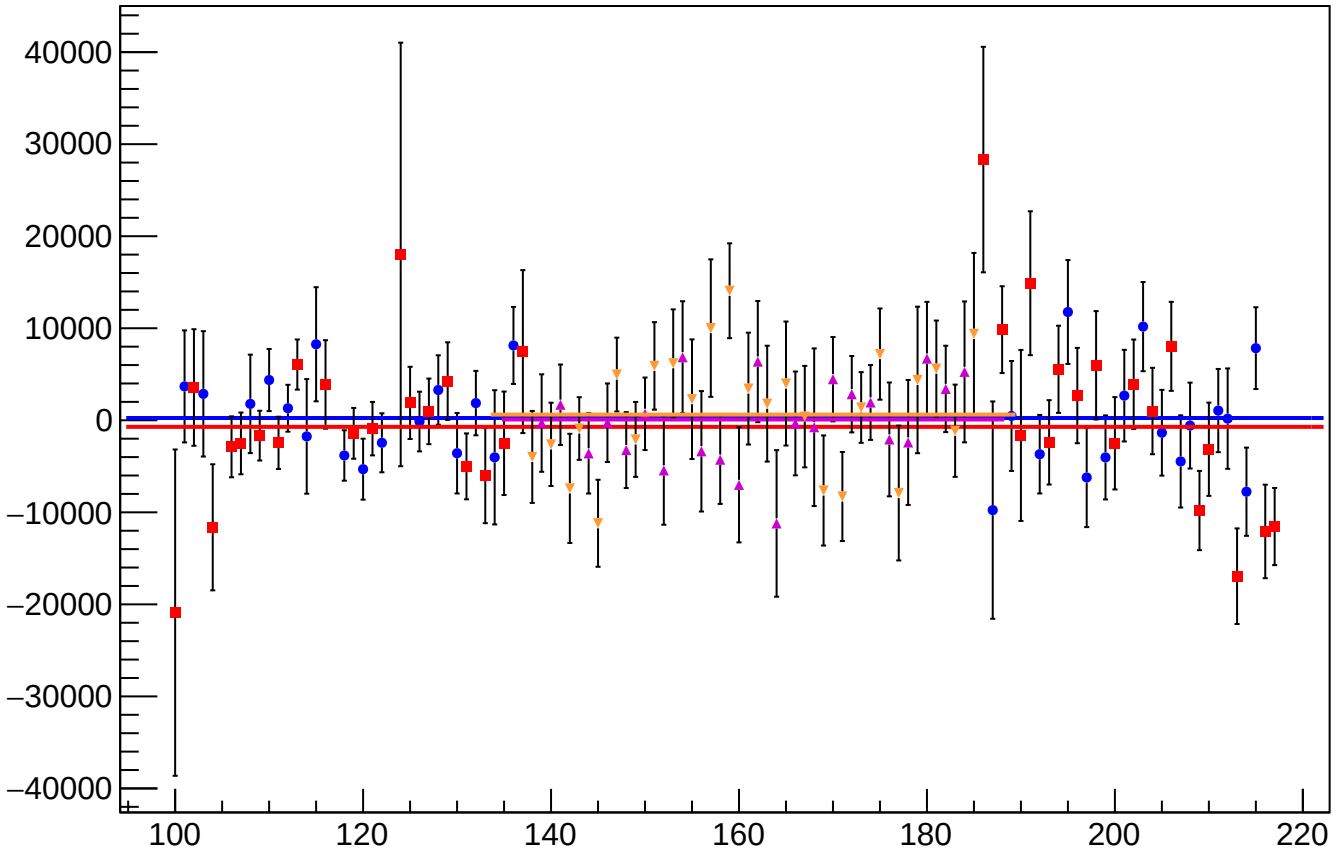
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1652.459+/-0.186 χ^2/NDF: 429558.0/65

In: 1695.885+/-0.196 χ^2/NDF:332375.8/53

Out: 1709.478+/-0.194 χ^2/NDF:420829.6/58

All: 1702.746+/-0.138 χ^2/NDF: 755634.0/112



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: -714.534+/-722.863 χ^2/NDF: 67.6/35

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

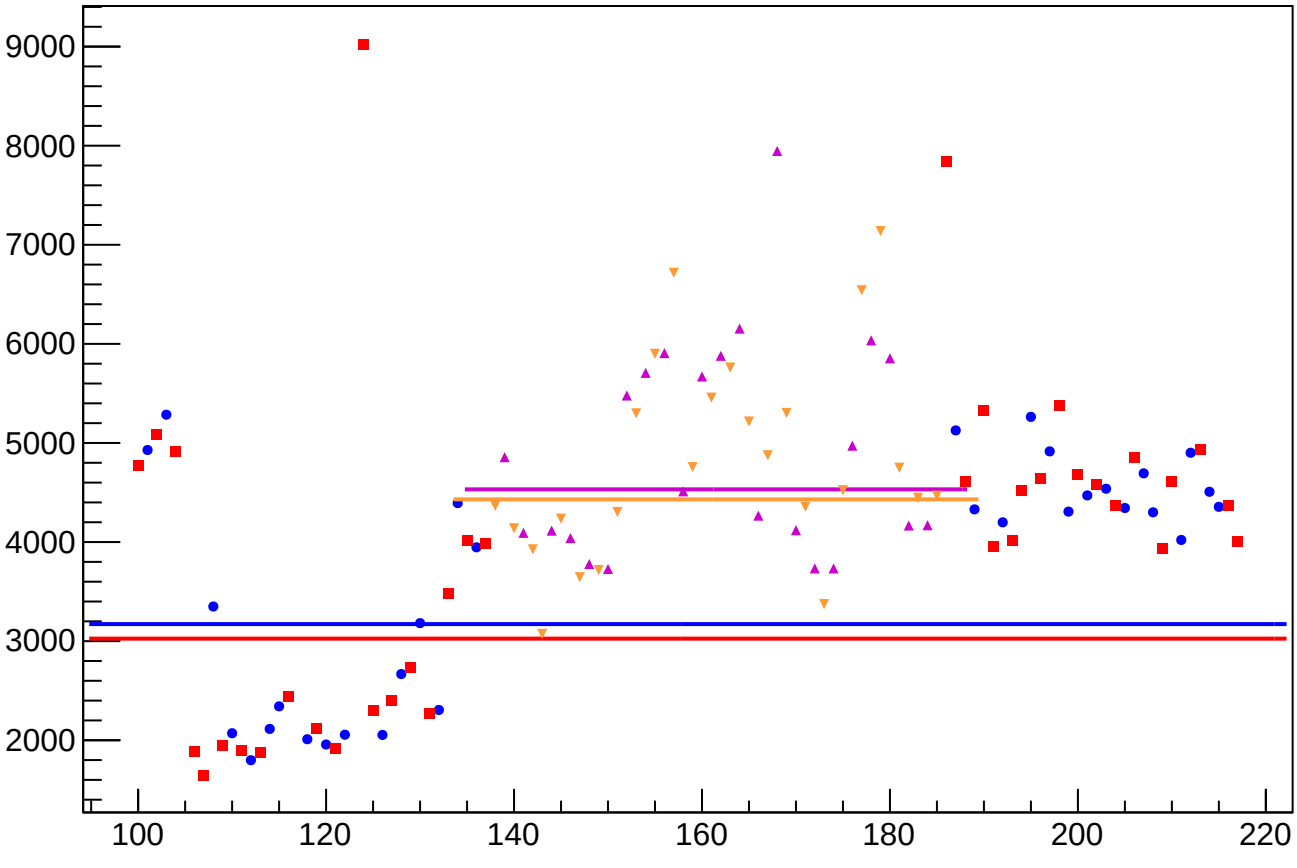
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: -266.451+/-528.239 χ^2/NDF: 103.0/66

In: 192.410+/-629.520 χ^2/NDF:47.4/53

Out: -276.909+/-592.568 χ^2/NDF:101.8/60

All: -56.427+/-431.481 χ^2/NDF: 149.5/114



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: 3025.503+/-0.511 χ^2/NDF: 6120762.6/35

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

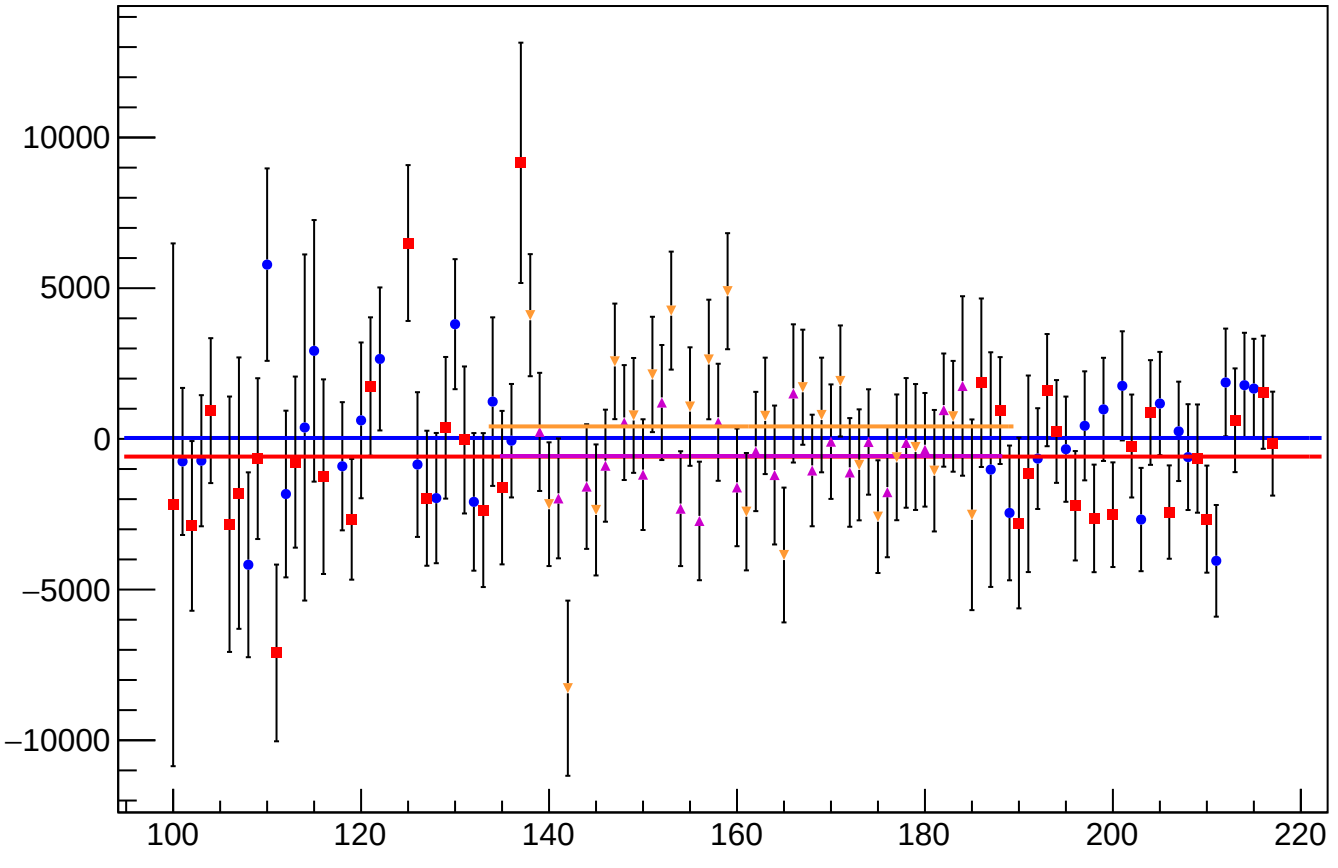
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 3093.888+/-0.374 χ^2/NDF: 10946455.2/66

In: 3632.083+/-0.445 χ^2/NDF:8252003.9/53

Out: 3486.449+/-0.419 χ^2/NDF:10213370.7/60

All: 3554.867+/-0.305 χ^2/NDF: 18522127.2/



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: -587.544+/-369.522 χ^2/NDF: 35.8/34

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

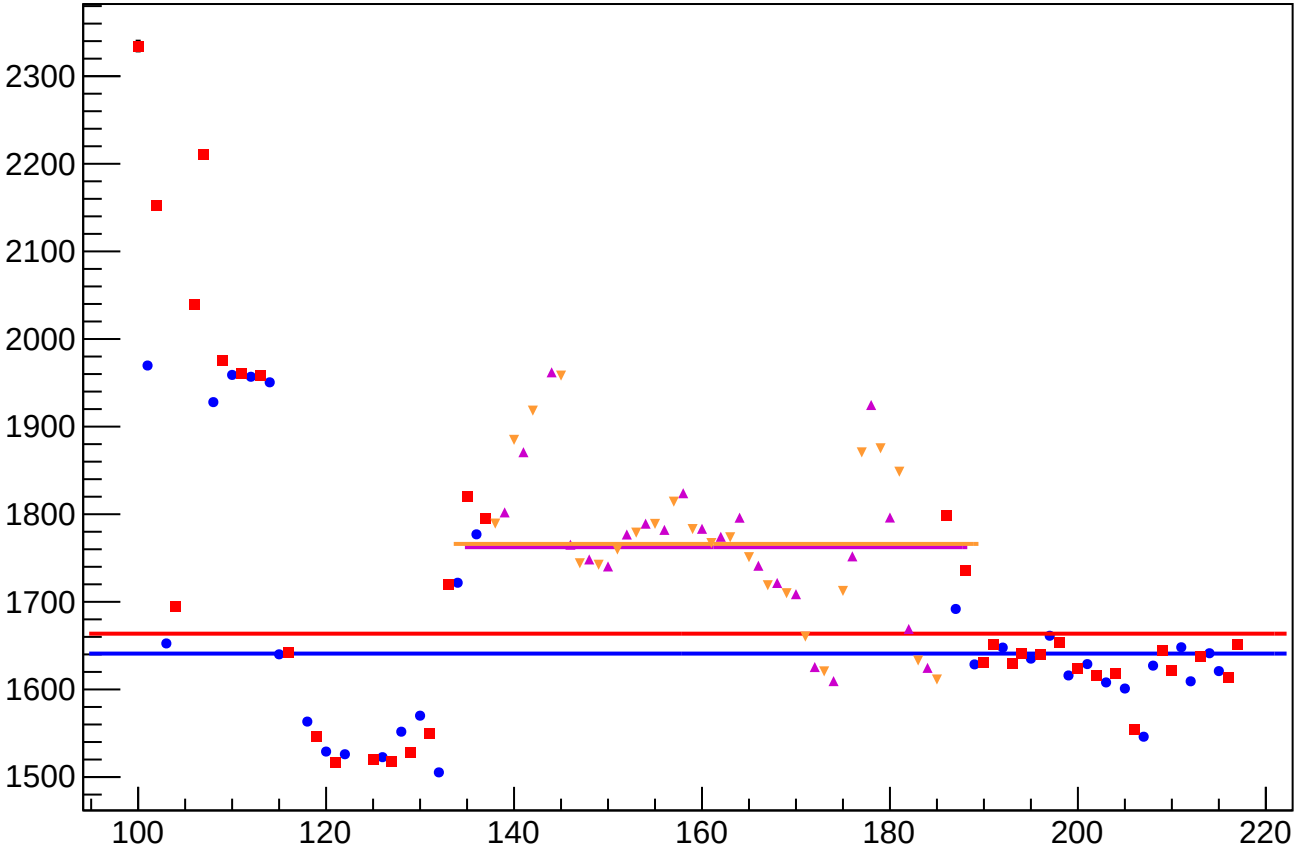
Right: -282.912+/-263.038 χ^2/NDF: 63.8/65

In: -240.894+/-277.143 χ^2/NDF:35.5/53

Out: -139.595+/-274.650 χ^2/NDF:79.1/58

All: -189.787+/-195.082 χ^2/NDF: 114.6/112

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: 1663.663+/-0.261 χ^2/NDF: 268719.1/34

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

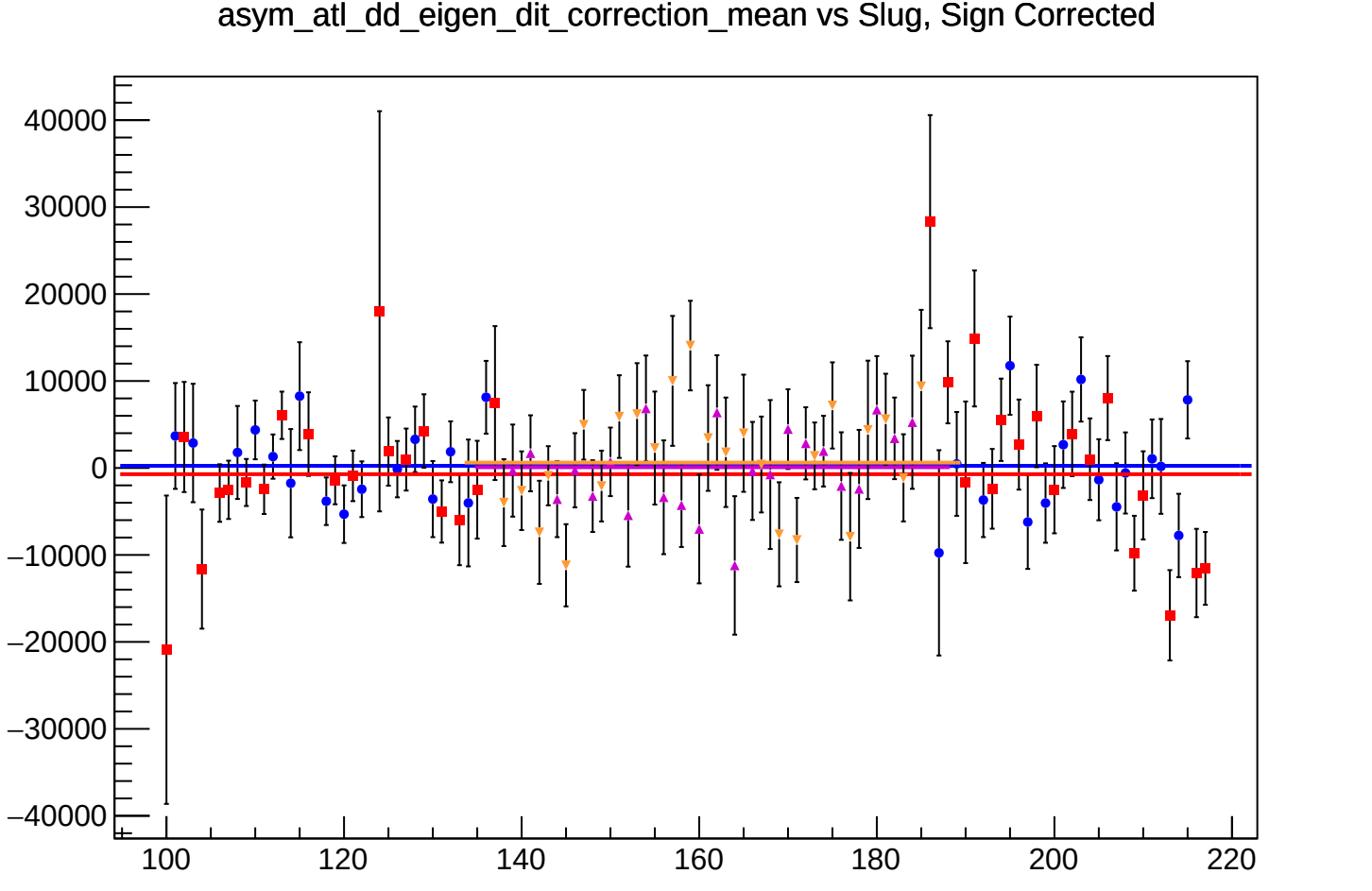
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1652.459+/-0.186 χ^2/NDF: 429556.7/65

In: 1695.885+/-0.196 χ^2/NDF:332379.7/53

Out: 1709.479+/-0.194 χ^2/NDF:420832.4/58

All: 1702.746+/-0.138 χ^2/NDF: 755640.8/112



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: -714.535+/-722.861 χ^2/NDF: 67.6/35

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

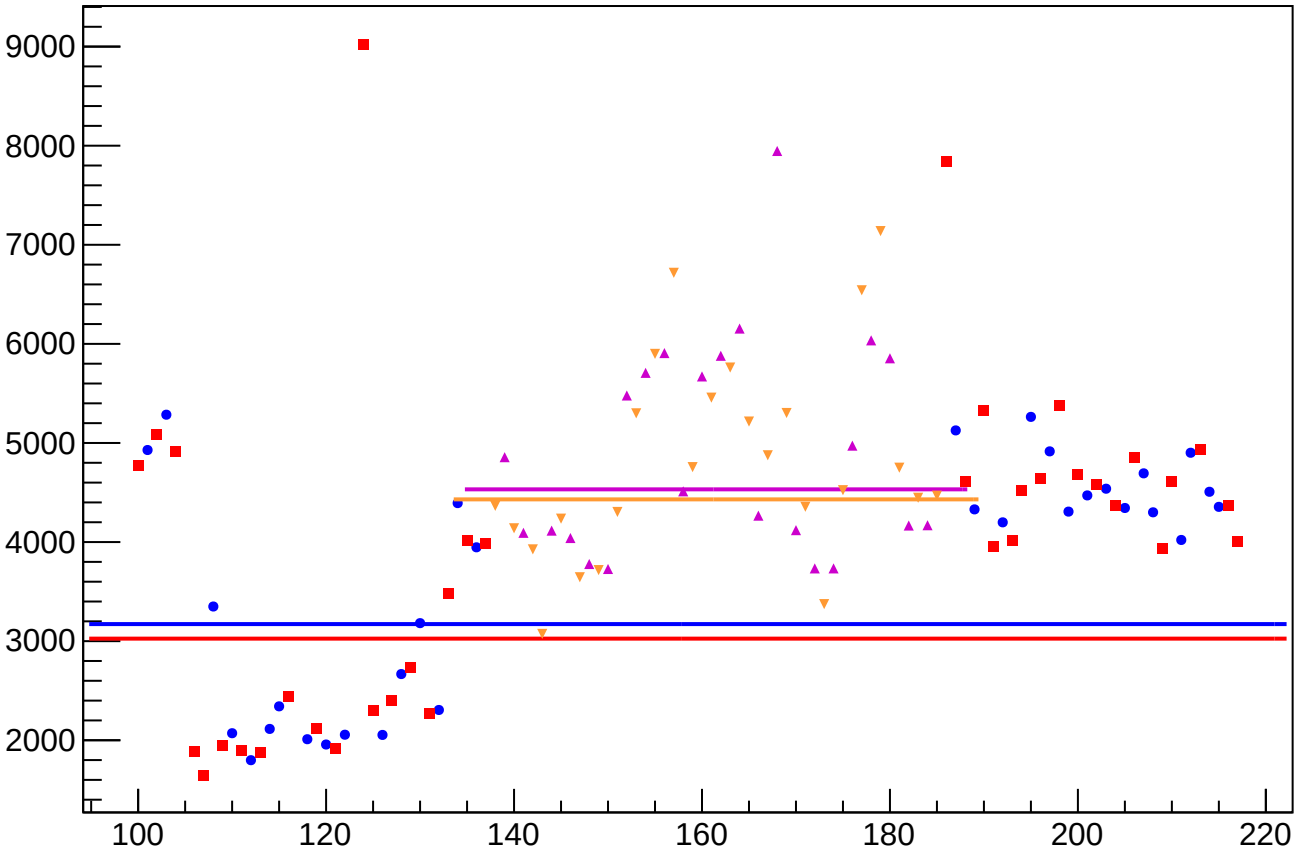
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: -266.455+/-528.238 χ^2/NDF: 103.0/66

In: 192.407+/-629.519 χ^2/NDF:47.4/53

Out: -276.911+/-592.568 χ^2/NDF:101.8/60

All: -56.430+/-431.481 χ^2/NDF: 149.5/114



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: 3025.494+/-0.511 χ^2/NDF: 6120828.5/35

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

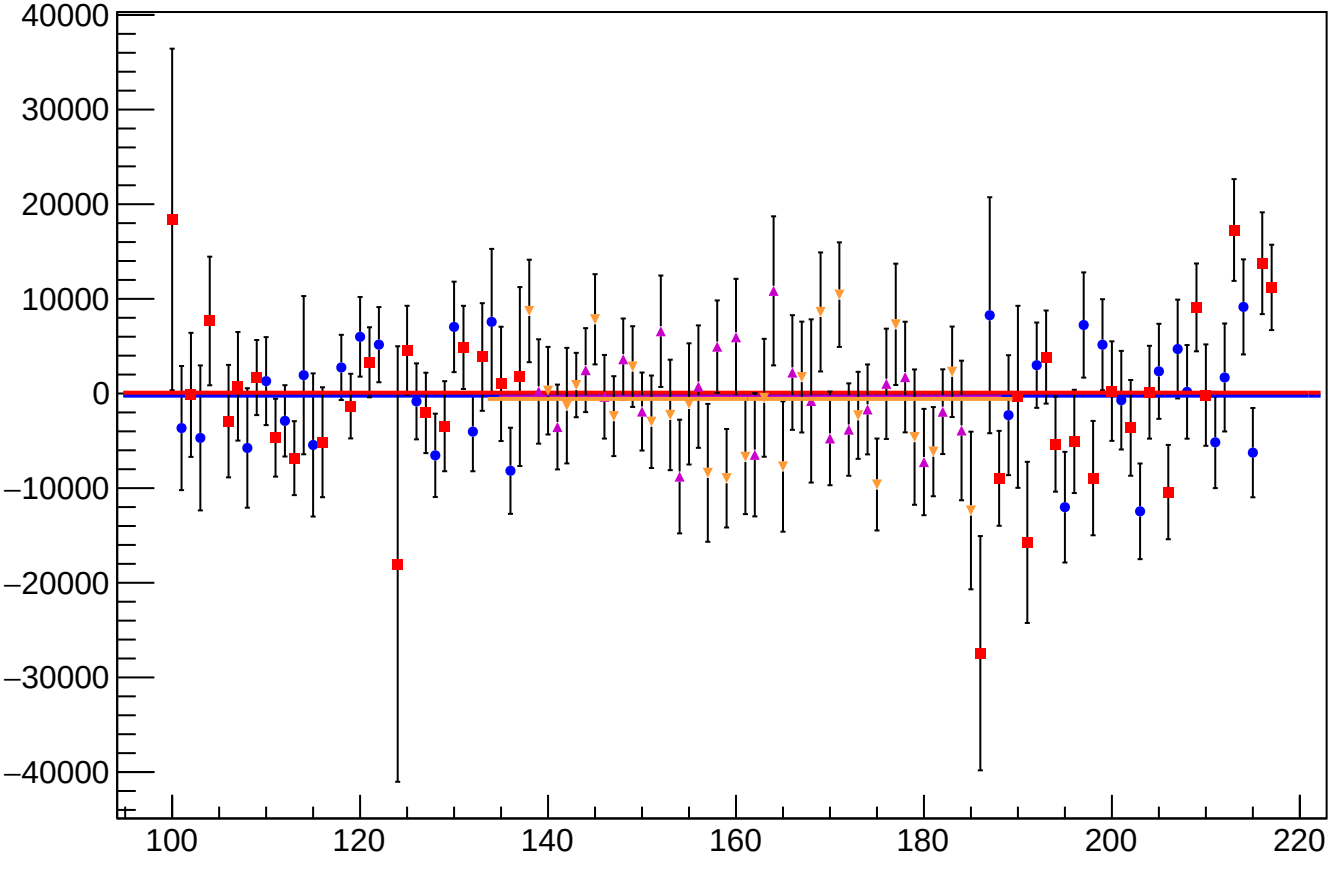
Right: 3093.879+/-0.374 χ^2/NDF: 10946600.8/66

In: 3632.078+/-0.445 χ^2/NDF:8252132.2/53

Out: 3486.443+/-0.419 χ^2/NDF:10213491.1/60

All: 3554.861+/-0.305 χ^2/NDF: 18522376.1/

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: 86.184+/-870.112 χ^2/NDF: 61.0/35

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

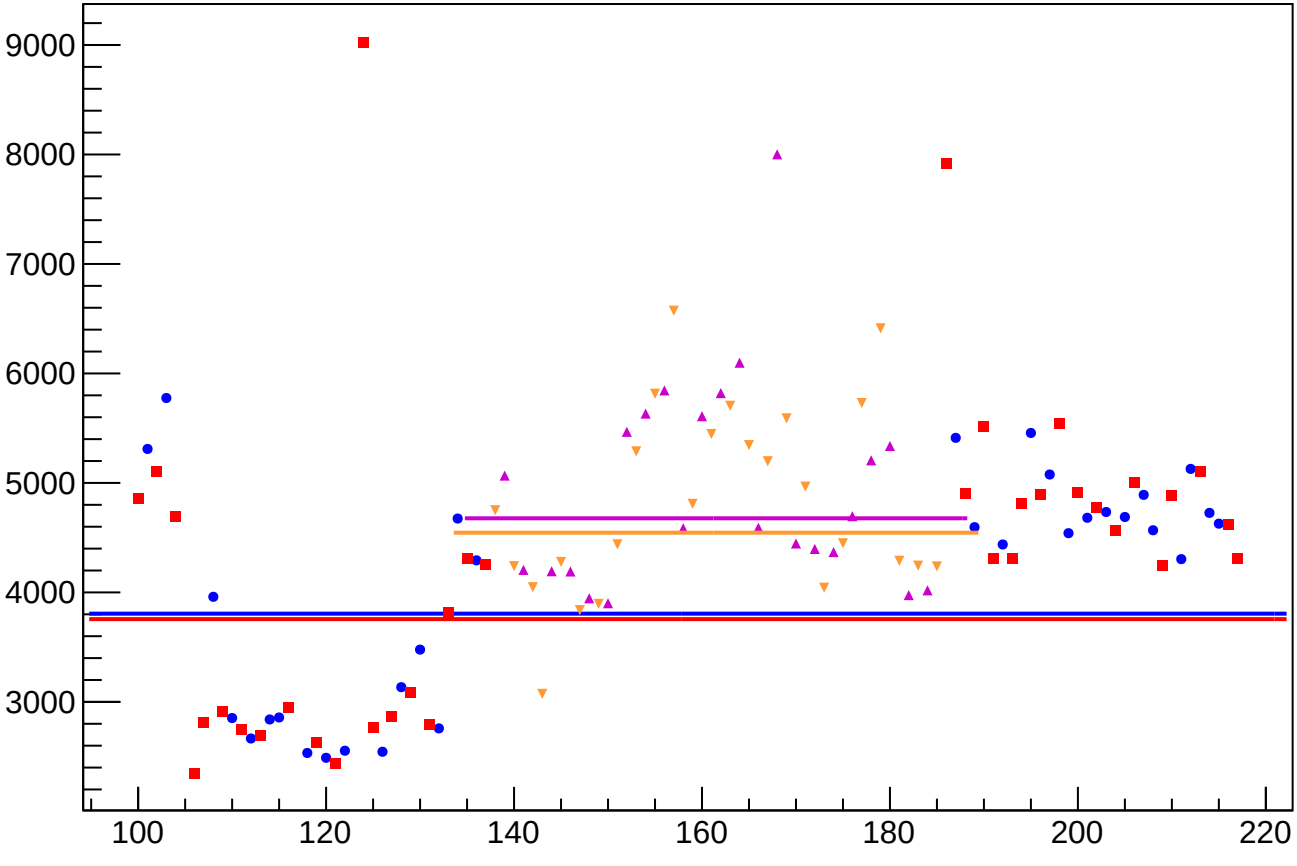
Right: -64.710+/-625.612 χ^2/NDF: 99.1/66

In: -294.557+/-699.023 χ^2/NDF:52.1/53

Out: -180.777+/-671.221 χ^2/NDF:90.0/60

All: -235.360+/-484.155 χ^2/NDF: 142.1/114

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: 3755.912+/-0.610 χ^2/NDF: 3146342.2/35

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

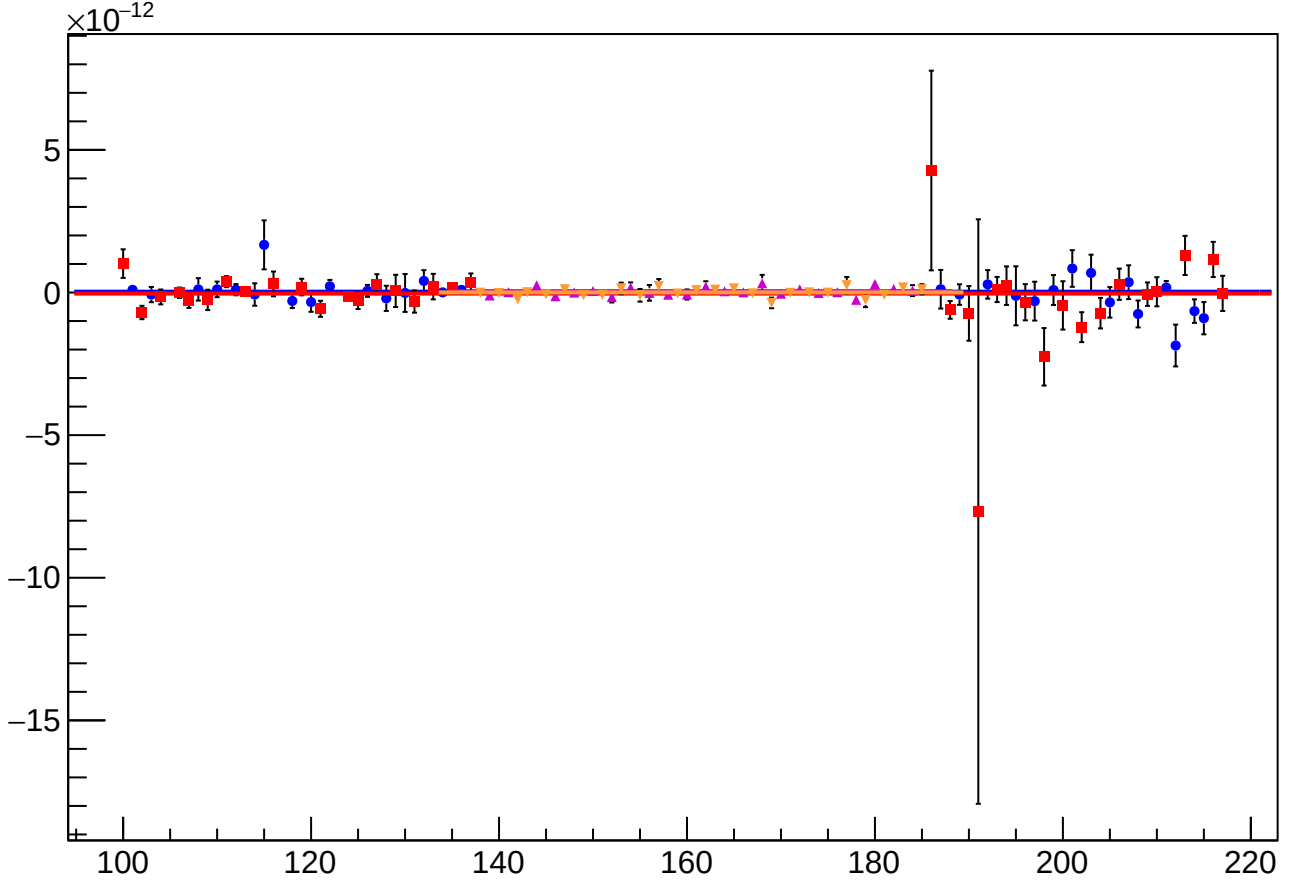
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3779.822+/-0.441 χ^2/NDF: 5798517.8/66

In: 4151.650+/-0.494 χ^2/NDF:4352578.9/53

Out: 4072.669+/-0.472 χ^2/NDF:5075922.0/60

All: 4110.375+/-0.342 χ^2/NDF: 9441843.9/11



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: 56.4/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

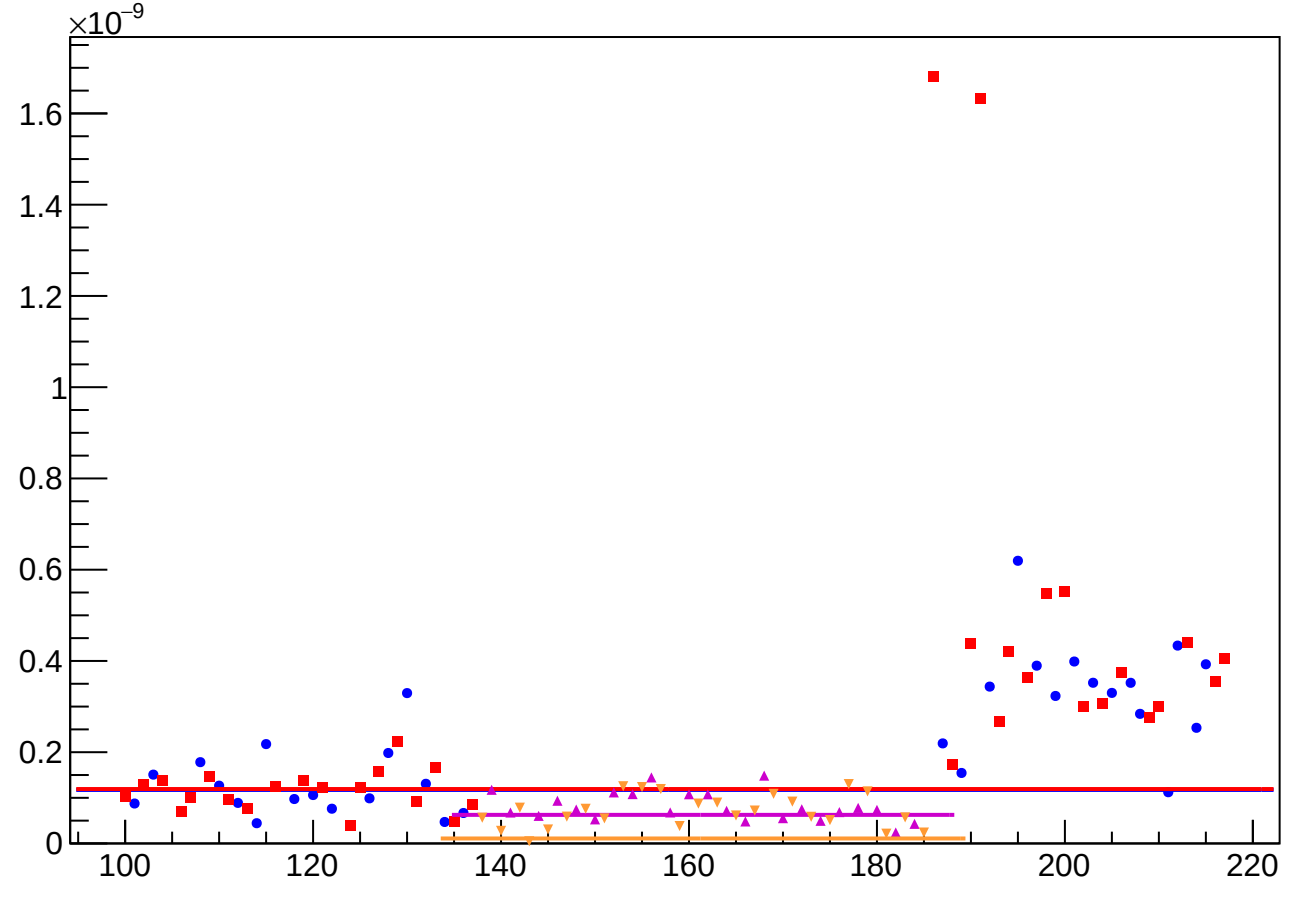
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: -0.000+/-0.000 χ^2/NDF: 86.1/66

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:75.2/60

All: 0.000+/-0.000 χ^2/NDF: 127.1/114



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: 6780314.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

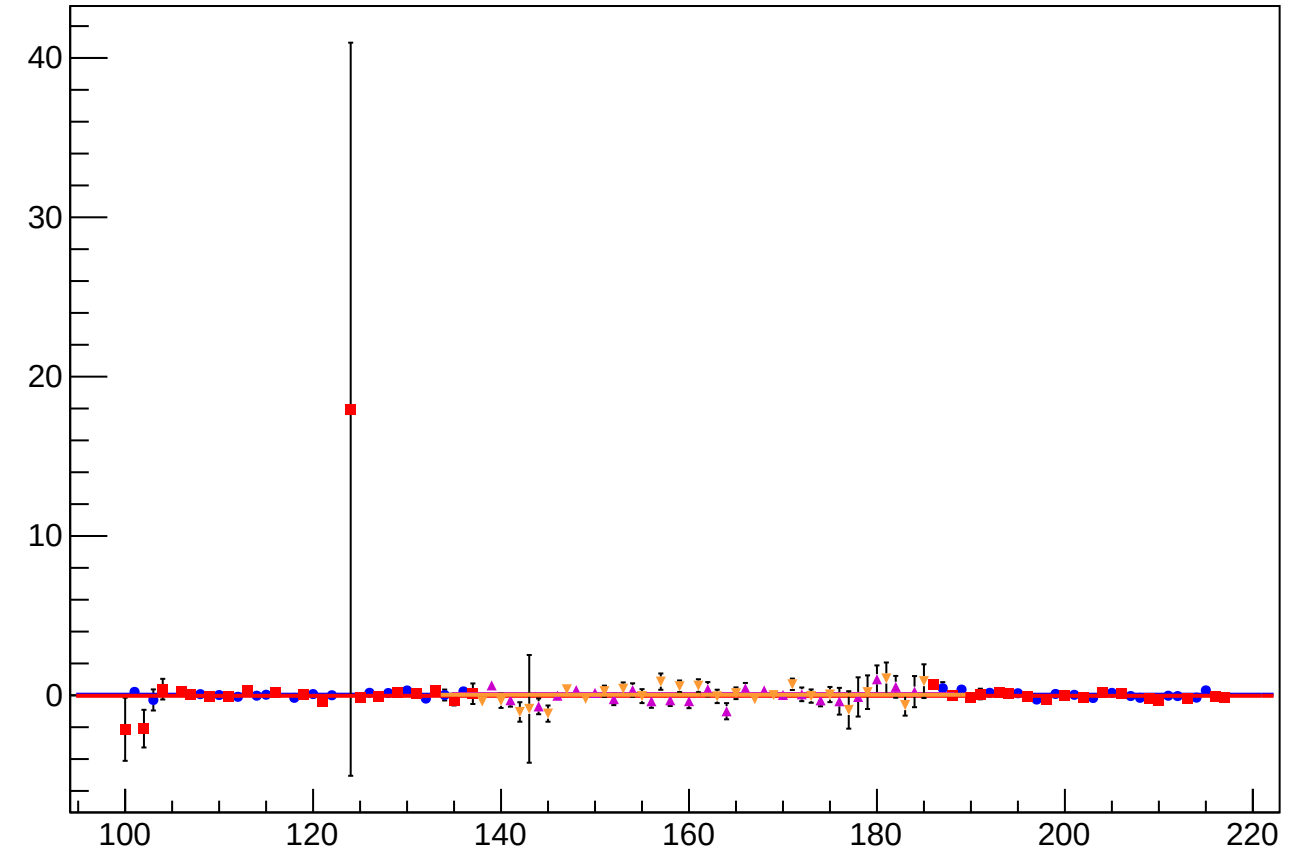
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12398484.4/66

In: 0.000+/-0.000 χ^2/NDF:9513168.6/53

Out: 0.000+/-0.000 χ^2/NDF:25023625.0/60

All: 0.000+/-0.000 χ^2/NDF: 46488514.7/114



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: -0.030+/-0.029 χ^2/NDF: 44.5/35

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

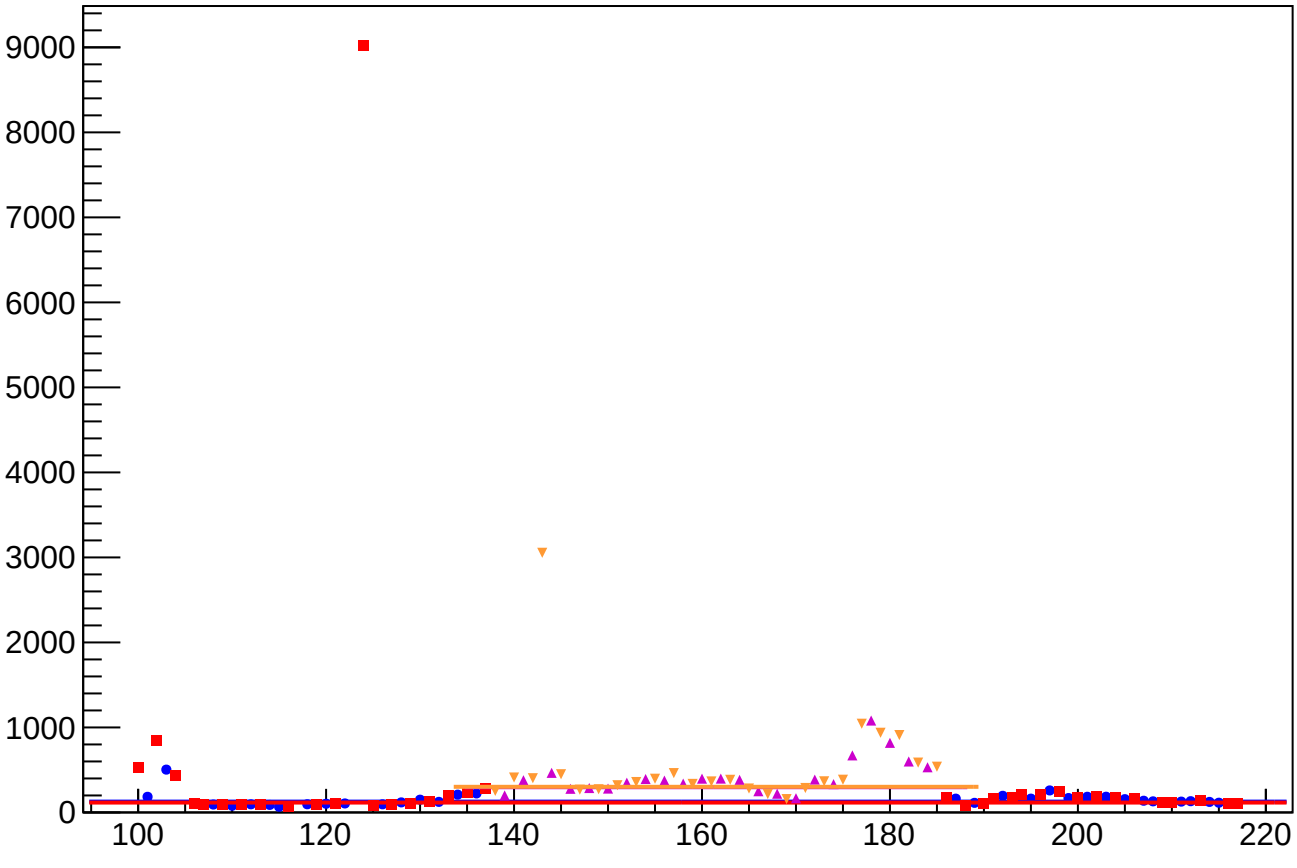
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.002+/-0.021 χ^2/NDF: 74.4/66

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.022+/-0.027 χ^2/NDF:74.8/60

All: 0.009+/-0.020 χ^2/NDF: 129.2/114



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: 116.392+/-0.020 χ^2/NDF: 5552161.7/35

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

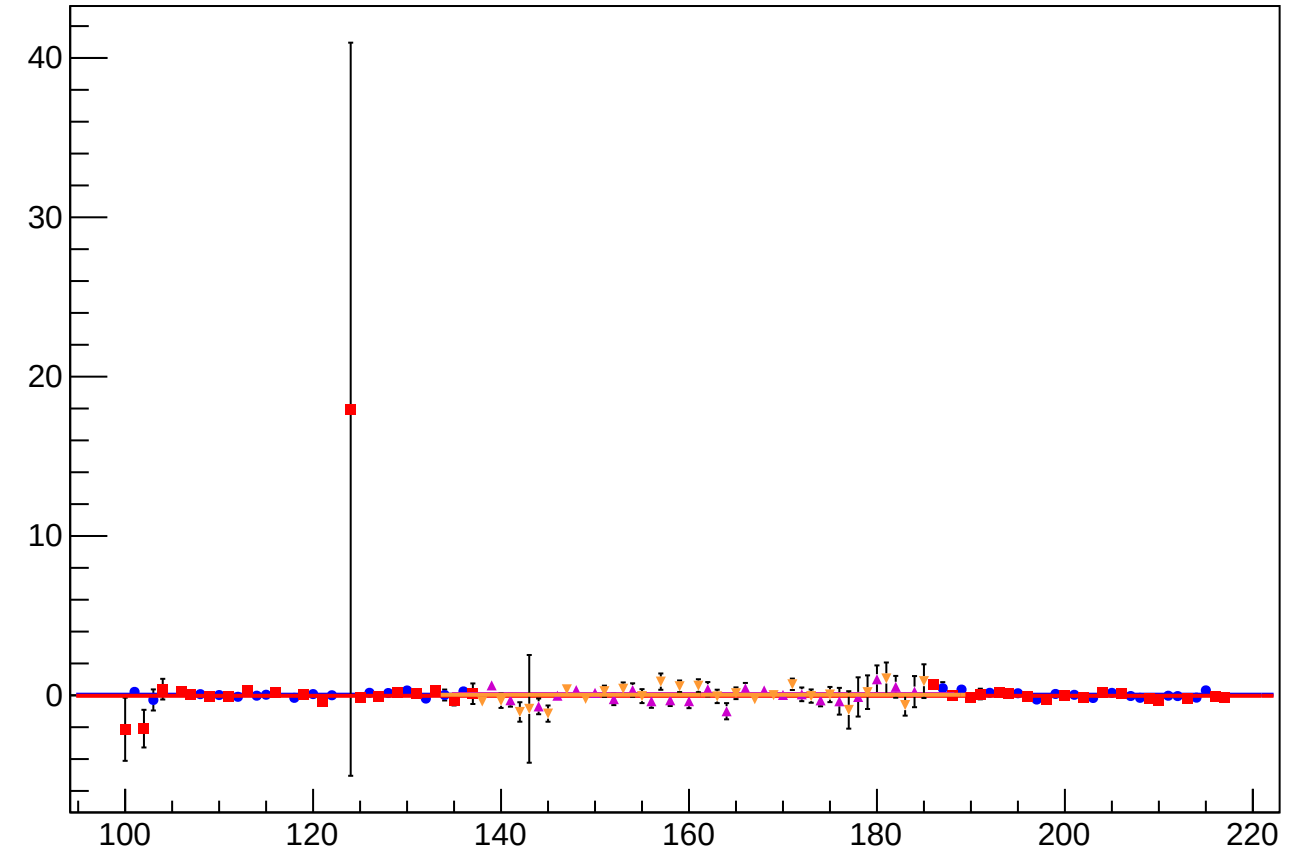
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 121.475+/-0.015 χ^2/NDF: 9168578.3/66

In: 152.224+/-0.020 χ^2/NDF:16932382.3/53

Out: 138.774+/-0.019 χ^2/NDF:22451979.9/60

All: 144.978+/-0.014 χ^2/NDF: 39617824.8/11



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: -0.030+/-0.029 χ^2/NDF: 44.5/35

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

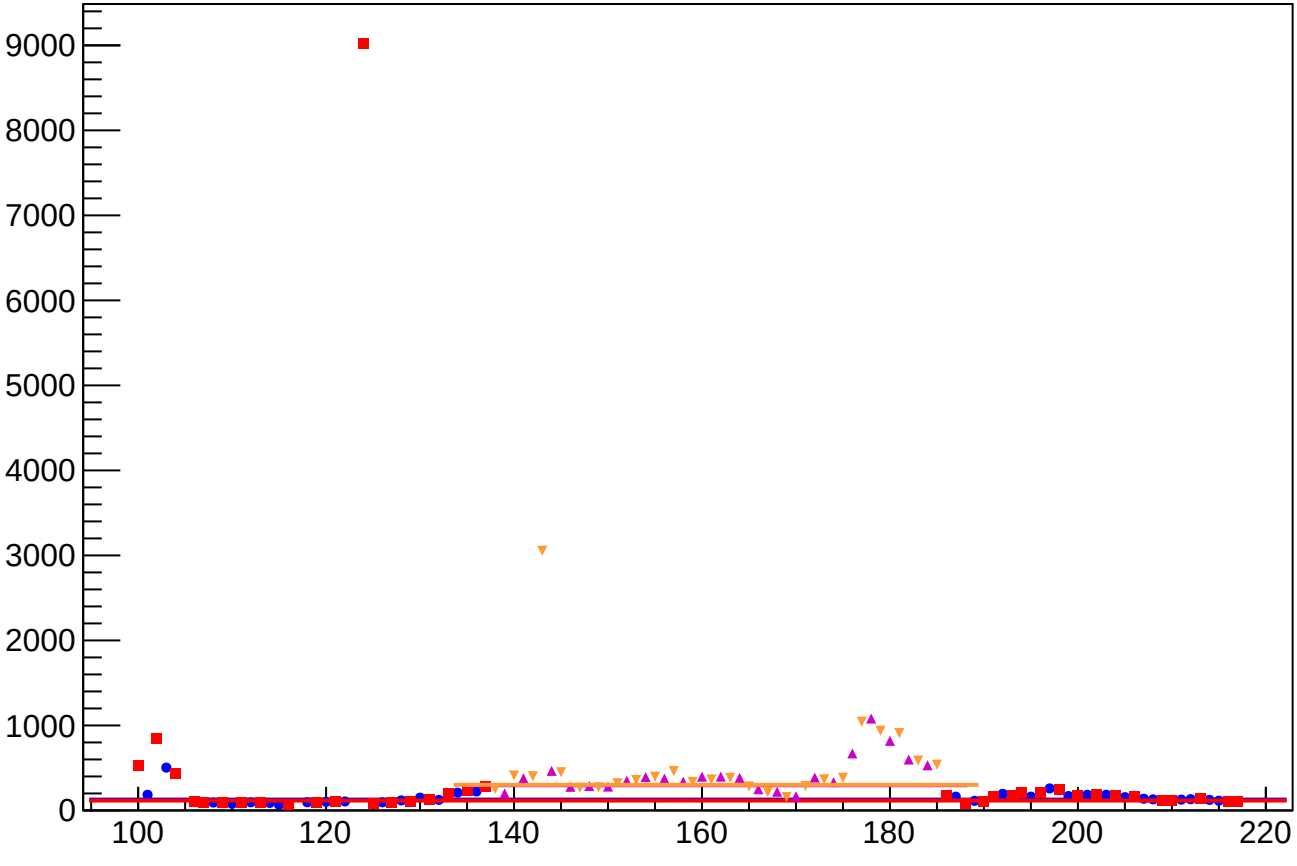
Right: 0.002+/-0.021 χ^2/NDF: 74.4/66

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.022+/-0.027 χ^2/NDF:74.8/60

All: 0.009+/-0.020 χ^2/NDF: 129.2/114

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: 116.392+/-0.020 χ^2/NDF: 5552161.7/35

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

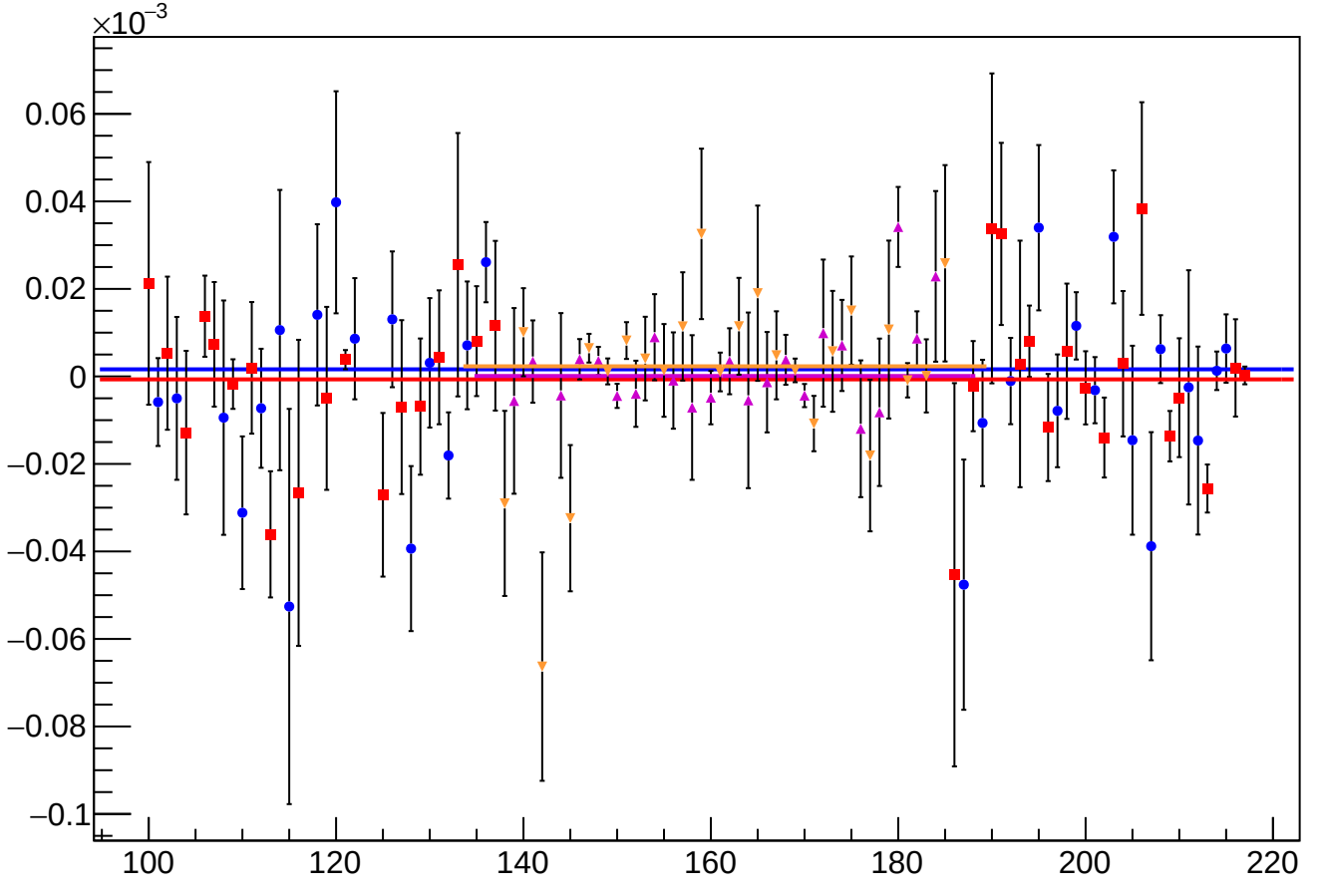
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 121.475+/-0.015 χ^2/NDF: 9168578.3/66

In: 152.224+/-0.020 χ^2/NDF:16932382.3/53

Out: 138.774+/-0.019 χ^2/NDF:22451979.9/60

All: 144.978+/-0.014 χ^2/NDF: 39617824.8/1



Right In: 0.000+/-0.000 χ^2/NDF: 43.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 56.4/34

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

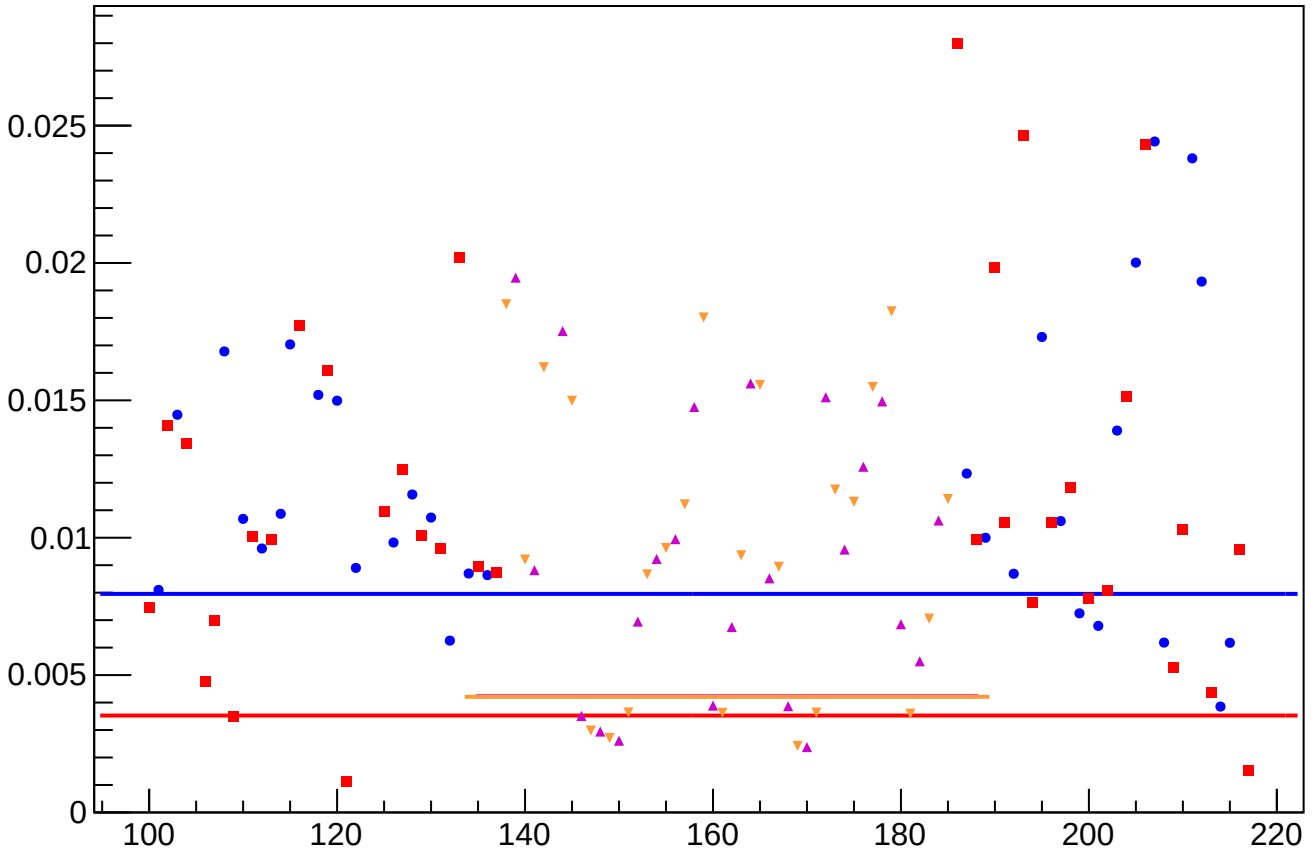
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: -0.000+/-0.000 χ^2/NDF: 100.6/65

In: 0.000+/-0.000 χ^2/NDF:72.8/53

Out: 0.000+/-0.000 χ^2/NDF:90.5/58

All: 0.000+/-0.000 χ^2/NDF: 163.3/112



Right In: 0.008+/-0.000 χ^2/NDF: 6966318.9/30

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 19916542.5/34

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

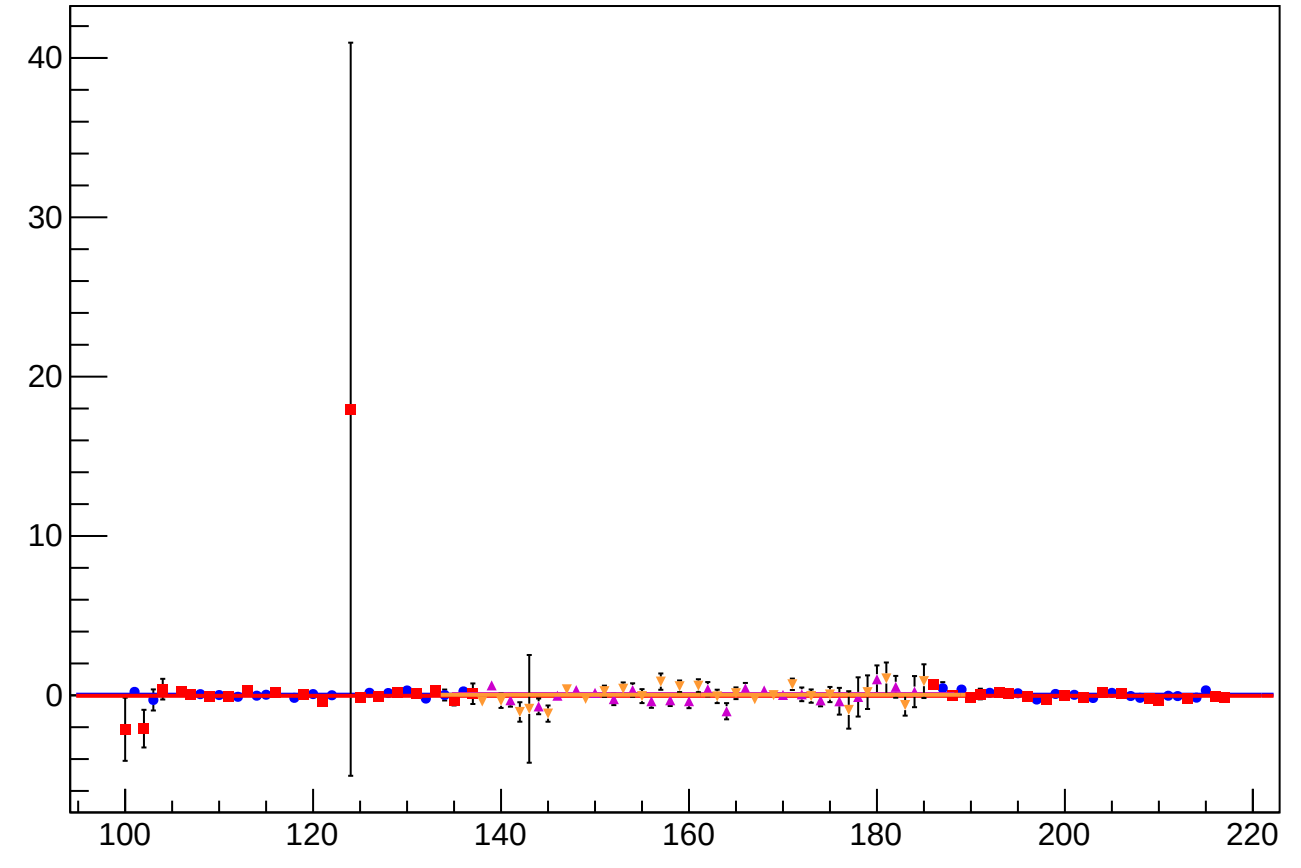
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.005+/-0.000 χ^2/NDF: 33595224.7/65

In: 0.005+/-0.000 χ^2/NDF:22621740.7/53

Out: 0.004+/-0.000 χ^2/NDF:32304774.5/58

All: 0.004+/-0.000 χ^2/NDF: 56881539.6/112



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.030+/-0.029 χ^2/NDF: 44.5/35

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

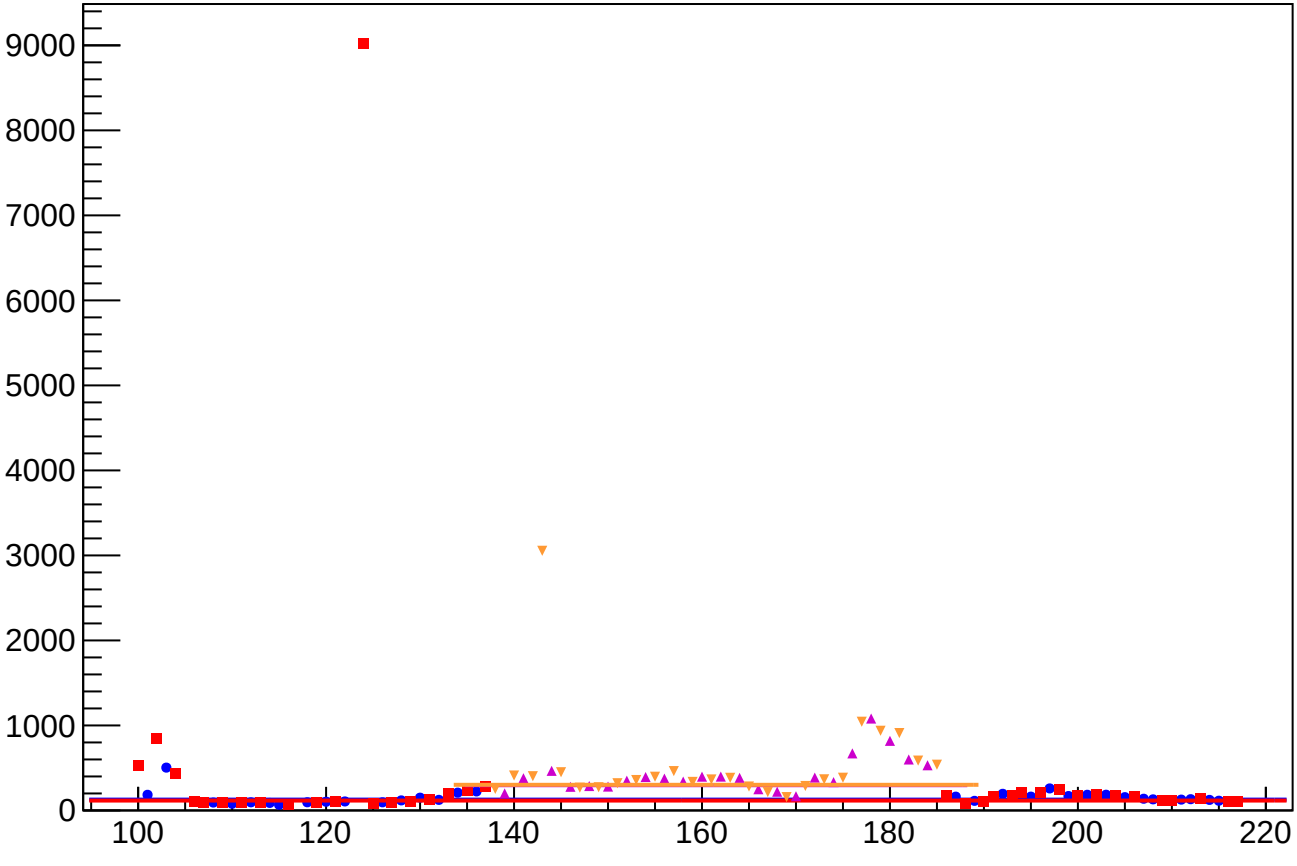
Right: 0.002+/-0.021 χ^2/NDF: 74.4/66

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.022+/-0.027 χ^2/NDF:74.8/60

All: 0.009+/-0.020 χ^2/NDF: 129.2/114

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: 116.393+/-0.020 χ^2/NDF: 5552118.1/35

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

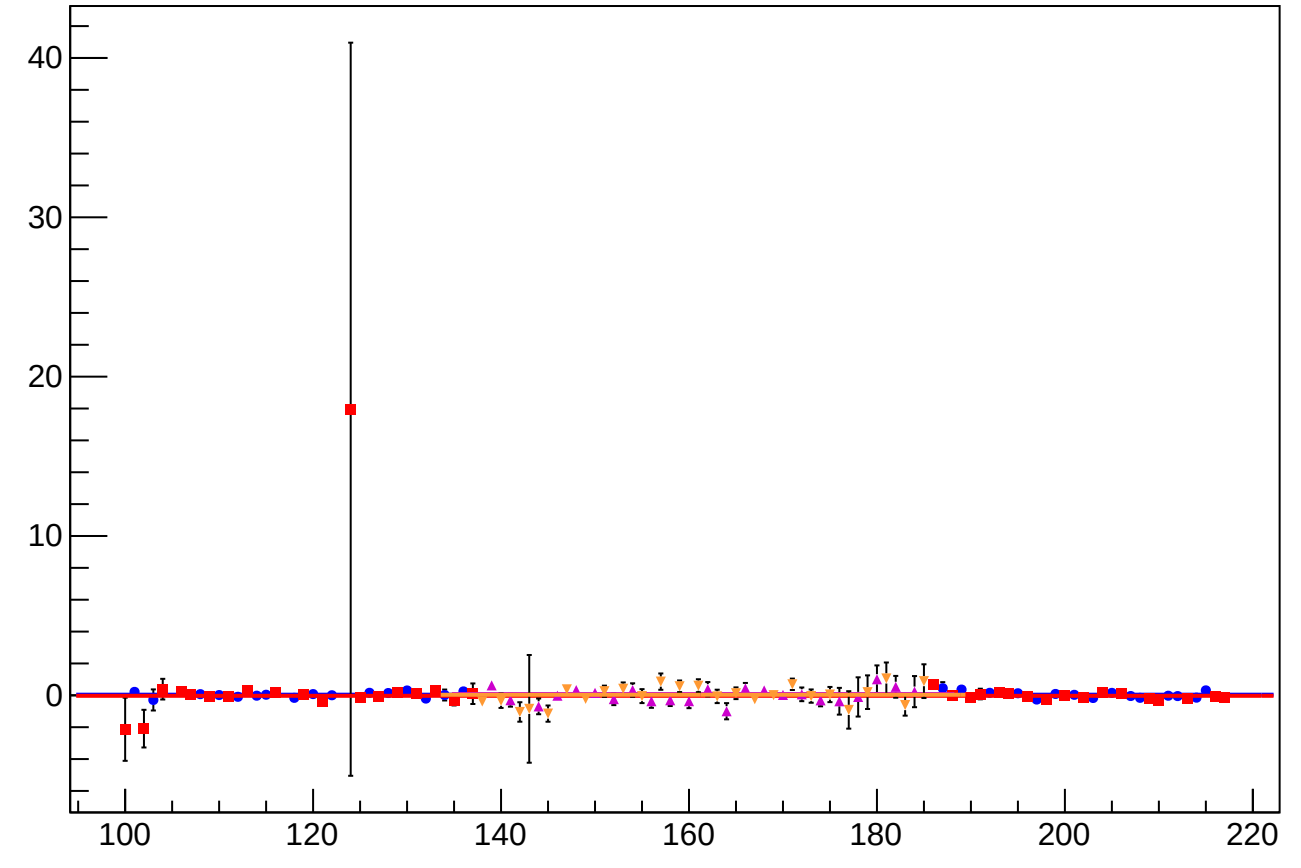
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 121.475+/-0.015 χ^2/NDF: 9168529.2/66

In: 152.225+/-0.020 χ^2/NDF:16932369.9/53

Out: 138.775+/-0.019 χ^2/NDF:22451999.7/60

All: 144.979+/-0.014 χ^2/NDF: 39617853.7/1



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.030+/-0.029 χ^2/NDF: 44.5/35

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

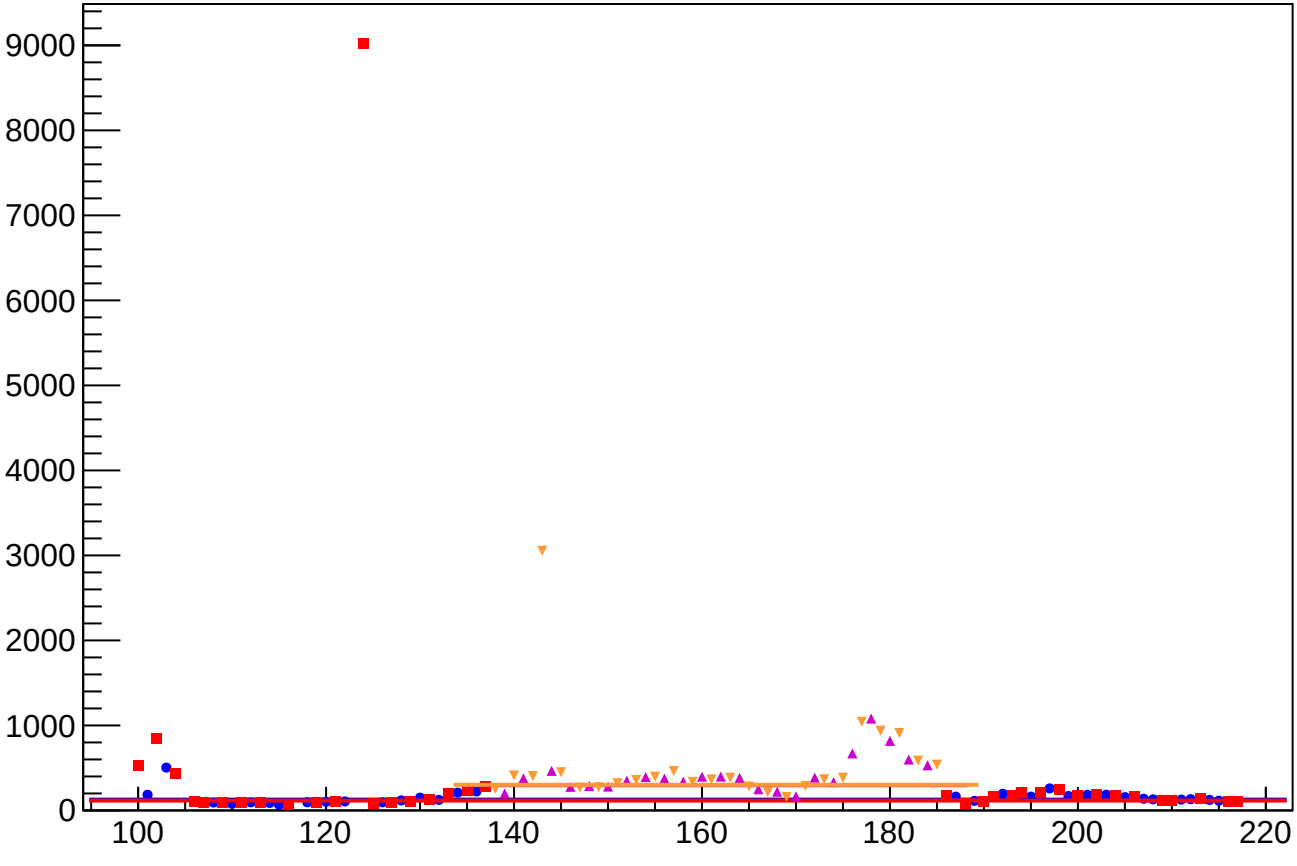
Right: 0.002+/-0.021 χ^2/NDF: 74.4/66

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.022+/-0.027 χ^2/NDF:74.8/60

All: 0.009+/-0.020 χ^2/NDF: 129.2/114

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: 116.393+/-0.020 χ^2/NDF: 5552118.1/35

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

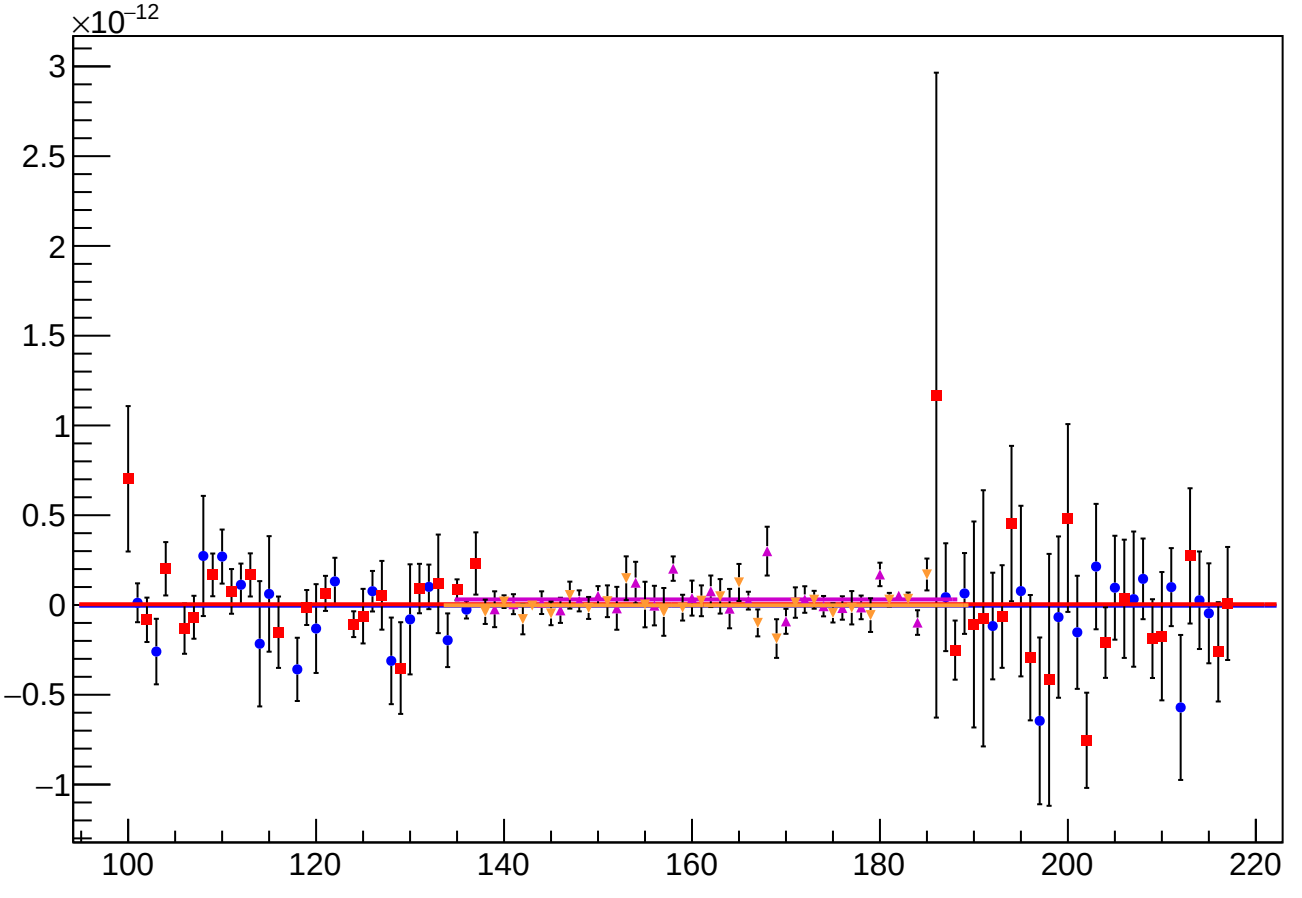
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 121.475+/-0.015 χ^2/NDF: 9168529.2/66

In: 152.225+/-0.020 χ^2/NDF:16932369.9/53

Out: 138.775+/-0.019 χ^2/NDF:22451999.7/60

All: 144.979+/-0.014 χ^2/NDF: 39617853.7/1



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: 38.2/35

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

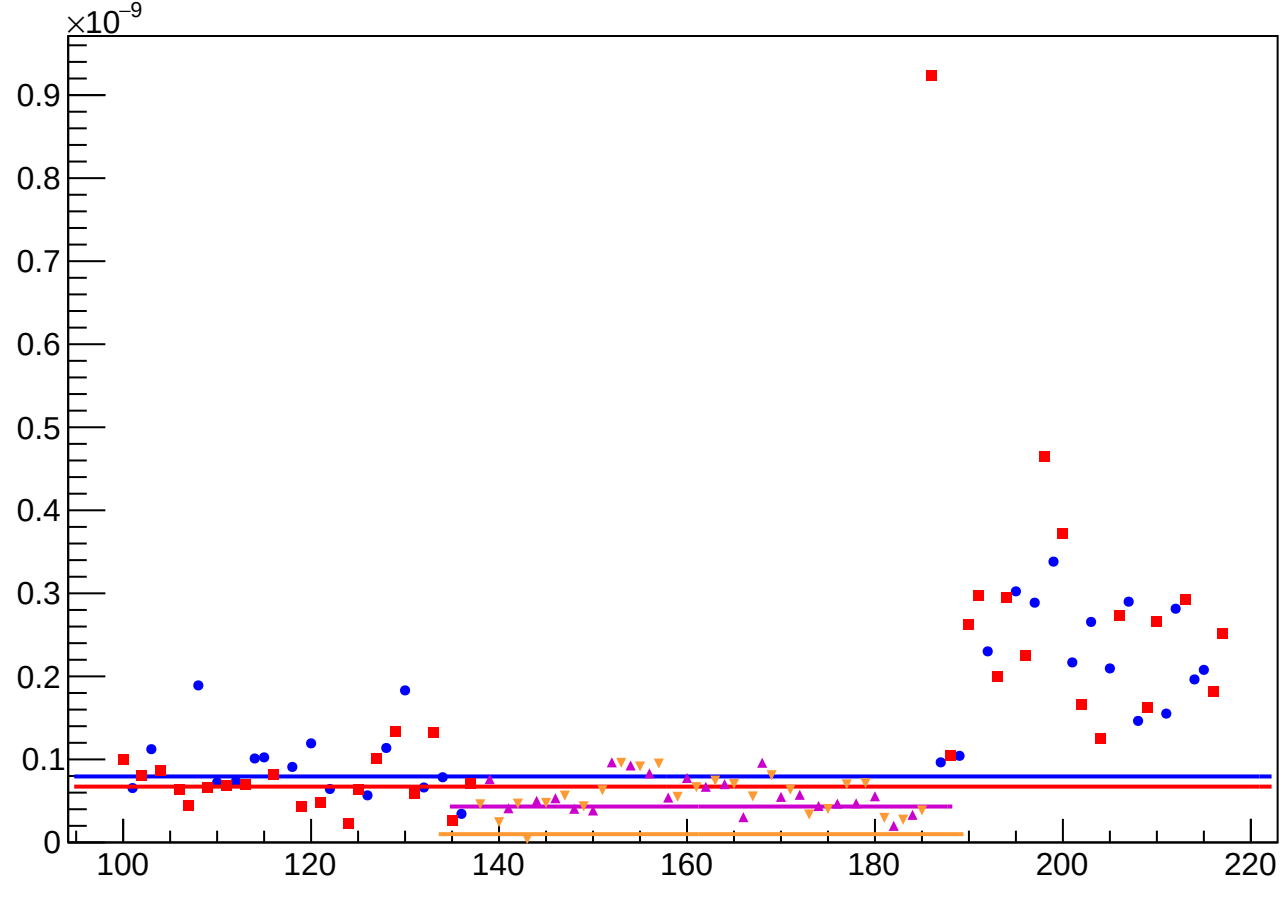
Right: 0.000+/-0.000 χ^2/NDF: 61.3/66

In: 0.000+/-0.000 χ^2/NDF:50.7/53

Out: -0.000+/-0.000 χ^2/NDF:55.9/60

All: 0.000+/-0.000 χ^2/NDF: 110.7/114

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8220521.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10080731.0/35

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

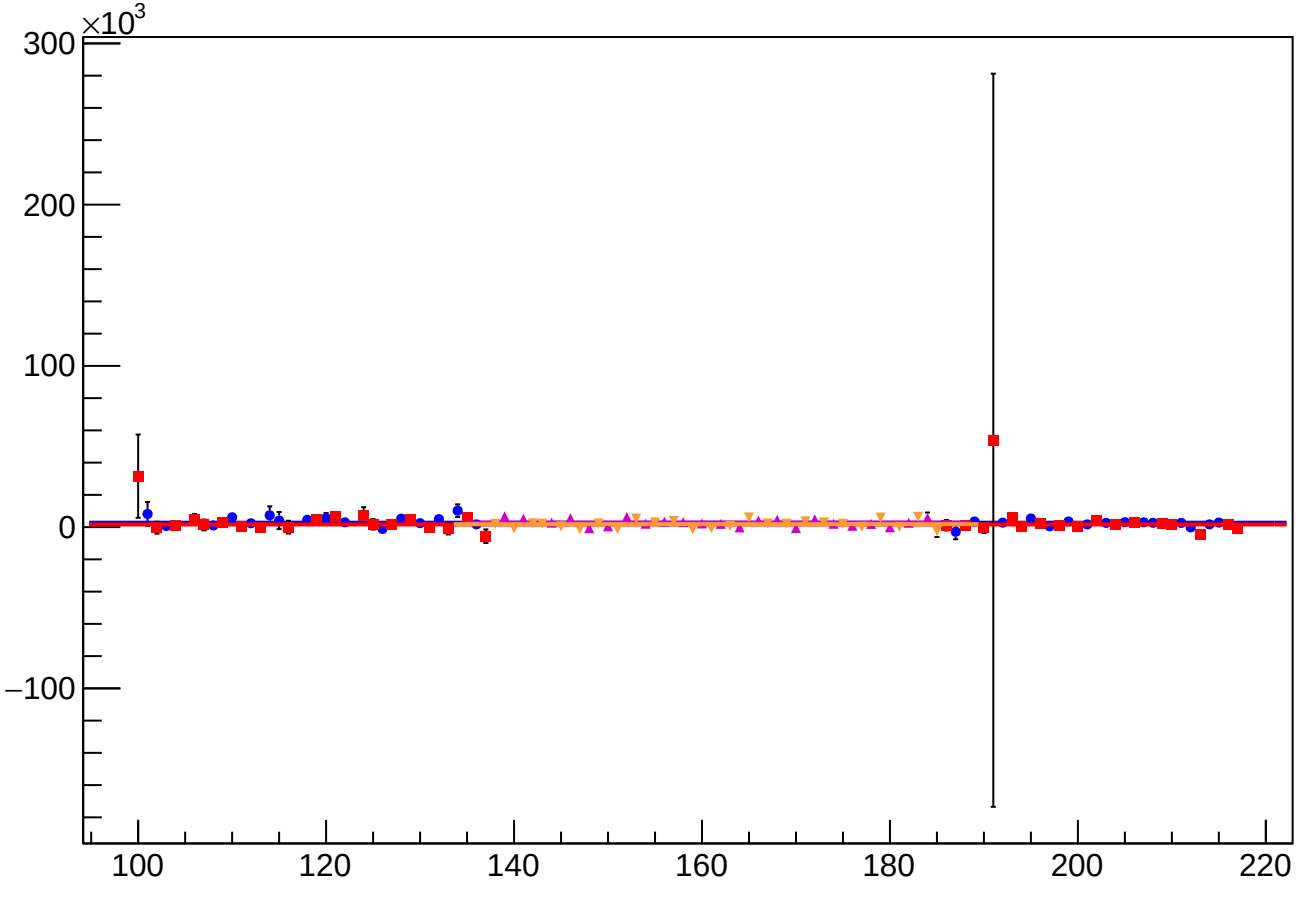
Right: 0.000+/-0.000 χ^2/NDF: 18498581.6/66

In: 0.000+/-0.000 χ^2/NDF:14796360.4/53

Out: 0.000+/-0.000 χ^2/NDF:38261321.8/60

All: 0.000+/-0.000 χ^2/NDF: 69125882.1/114

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: 1635.790+/-436.085 χ^2/NDF: 34.0/35

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

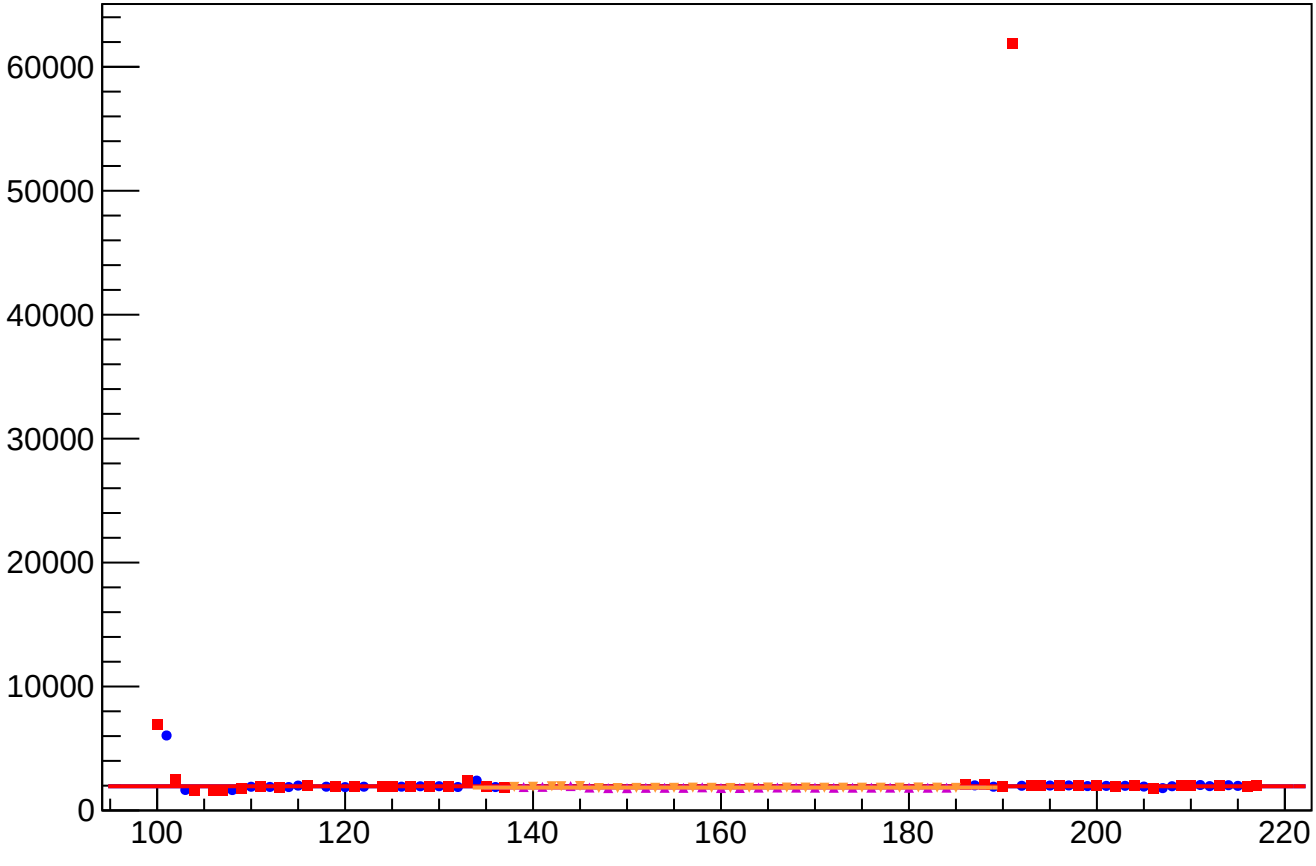
Right: 2173.462+/-312.556 χ^2/NDF: 55.7/66

In: 2759.278+/-310.618 χ^2/NDF:43.9/53

Out: 1747.954+/-302.514 χ^2/NDF:65.7/60

All: 2240.250+/-216.718 χ^2/NDF: 115.1/114

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.352+/-0.317 χ^2/NDF: 727030.4/30

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1951.848+/-0.308 χ^2/NDF: 427355.6/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

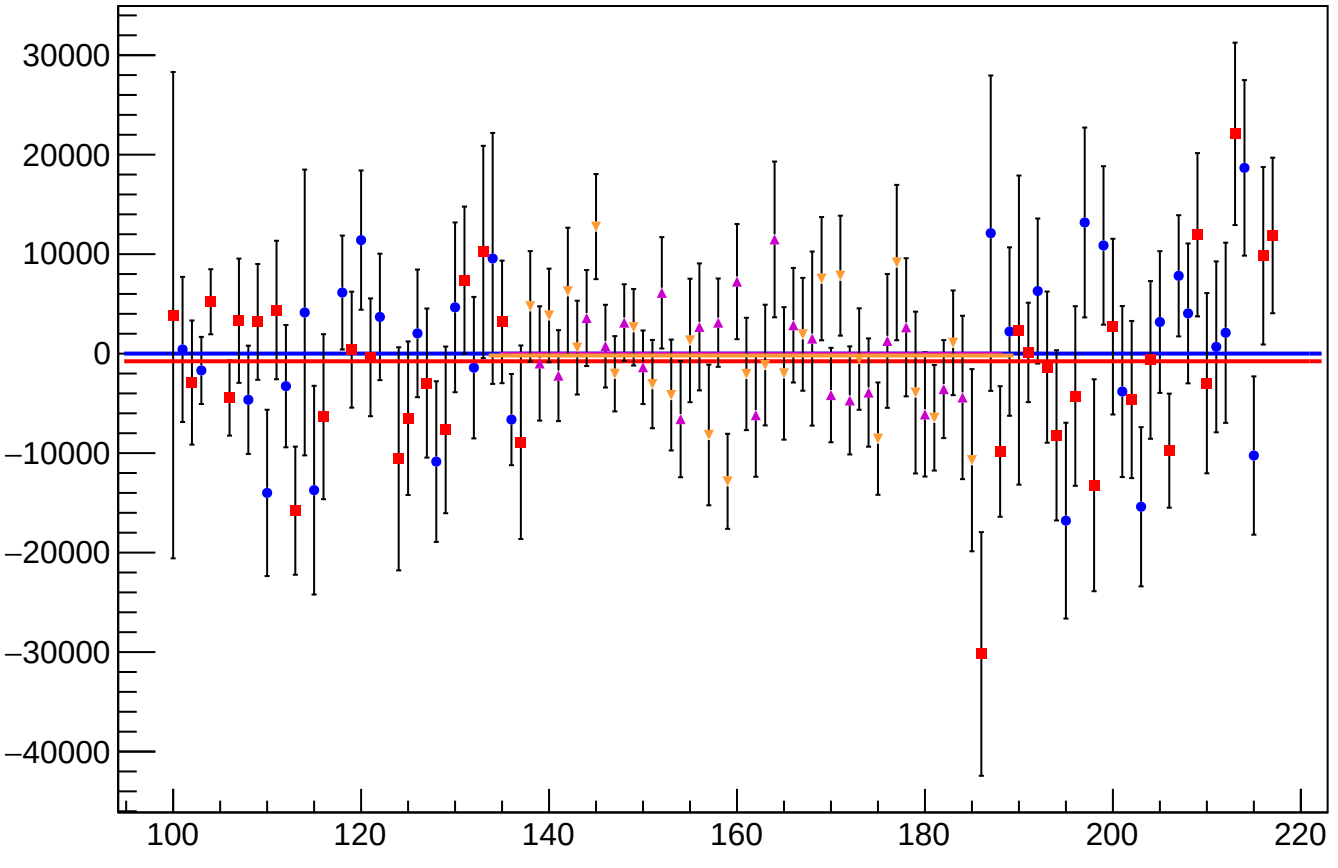
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1951.121+/-0.221 χ^2/NDF: 1154397.5/66

In: 1895.631+/-0.220 χ^2/NDF:798418.2/53

Out: 1898.312+/-0.214 χ^2/NDF:506569.7/60

All: 1897.008+/-0.153 χ^2/NDF: 1305064.4/11



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: -768.070+/-1152.306 χ^2/NDF: 42.9/35

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

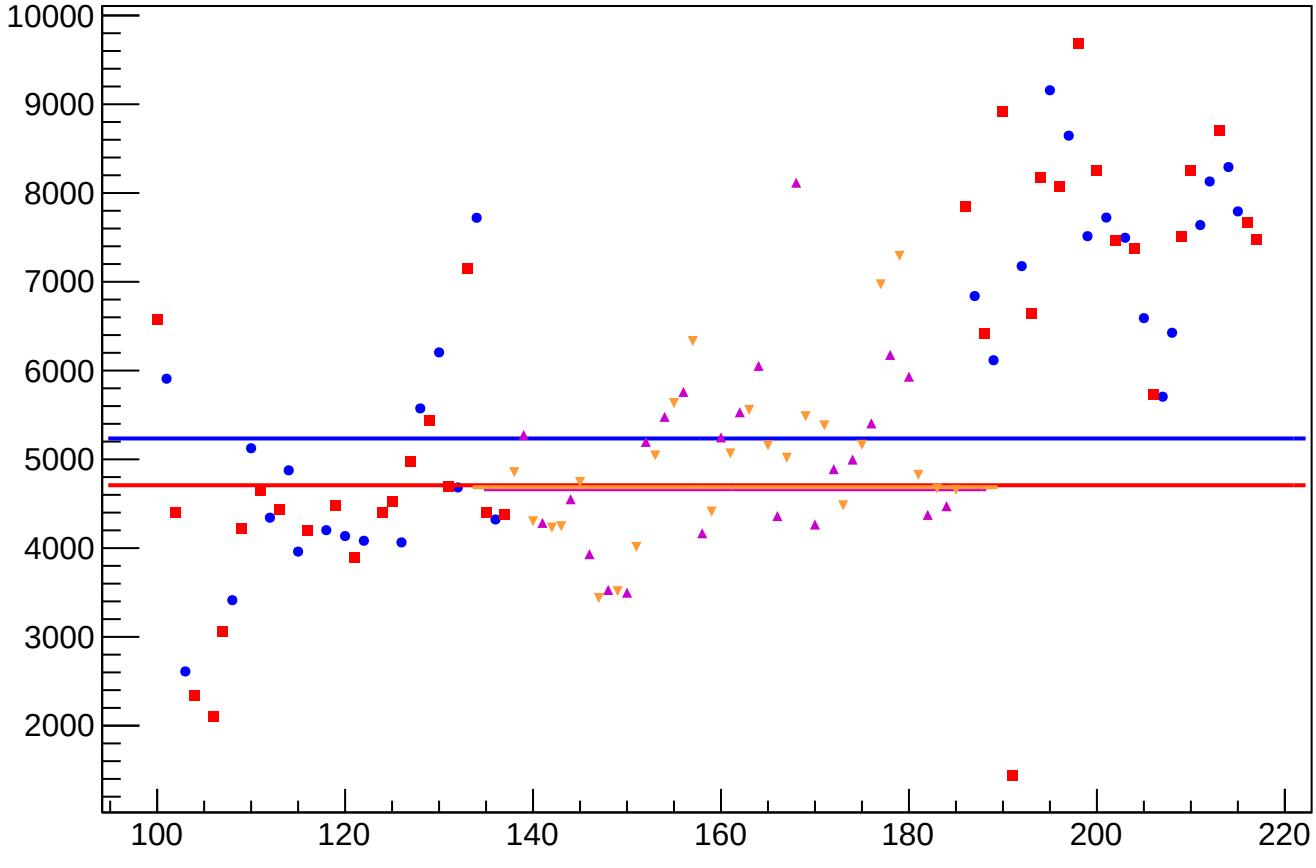
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -418.265+/-852.748 χ^2/NDF: 78.3/66

In: -8.674+/-836.263 χ^2/NDF:49.0/53

Out: -462.333+/-791.327 χ^2/NDF:71.9/60

All: -248.019+/-574.782 χ^2/NDF: 121.1/114



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: 4708.109+/-0.815 χ^2/NDF: 7042813.5/35

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

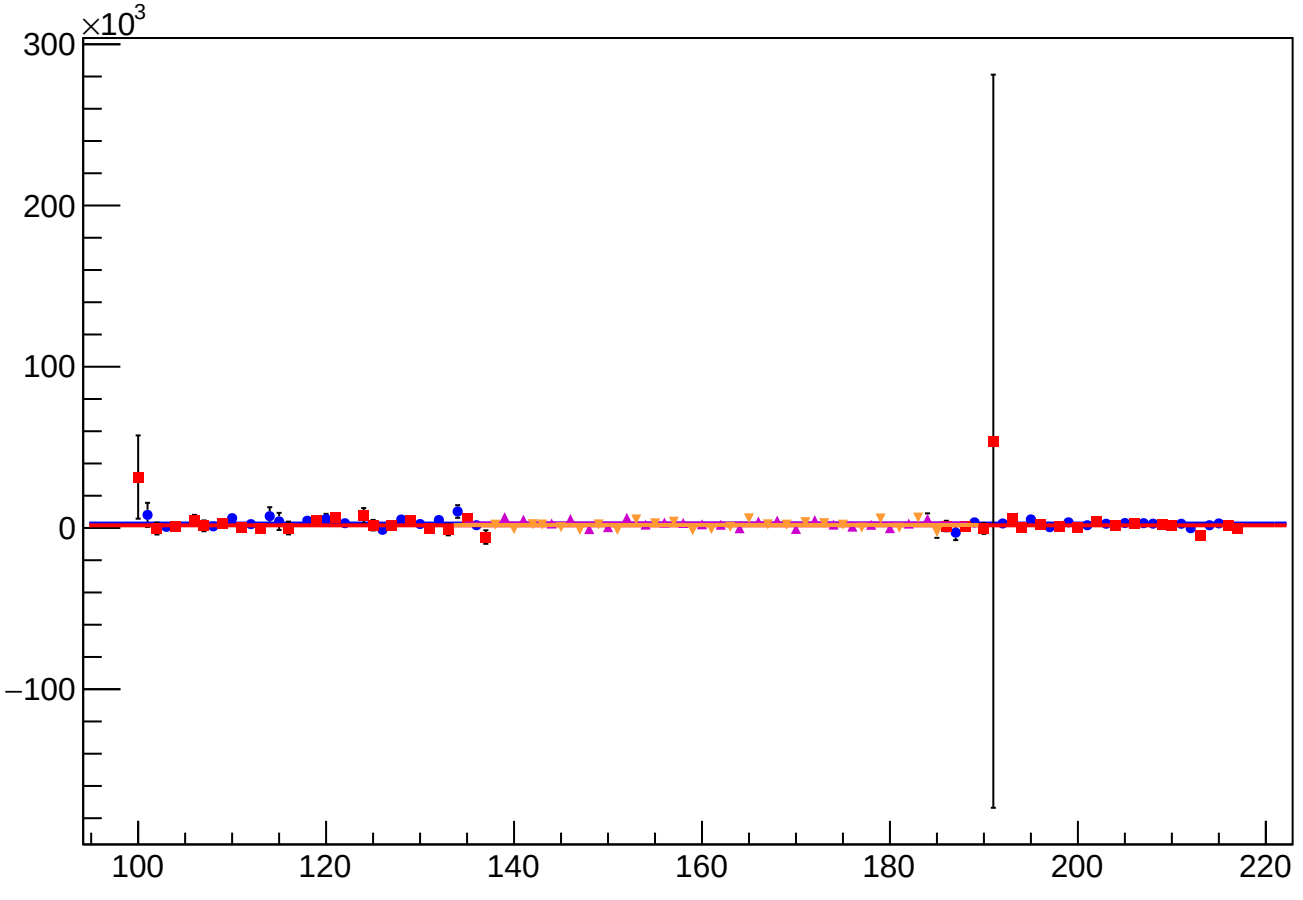
Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

Right: 4946.436+/-0.603 χ^2/NDF: 11399820.8/66

In: 4911.979+/-0.591 χ^2/NDF:5684337.3/53

Out: 4696.614+/-0.560 χ^2/NDF:8228253.9/60

All: 4798.355+/-0.406 χ^2/NDF: 13982573.9/1



Right In: 2741.177+/-448.204 χ^2/NDF: 18.5/30

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1636.227+/-436.086 χ^2/NDF: 34.1/35

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

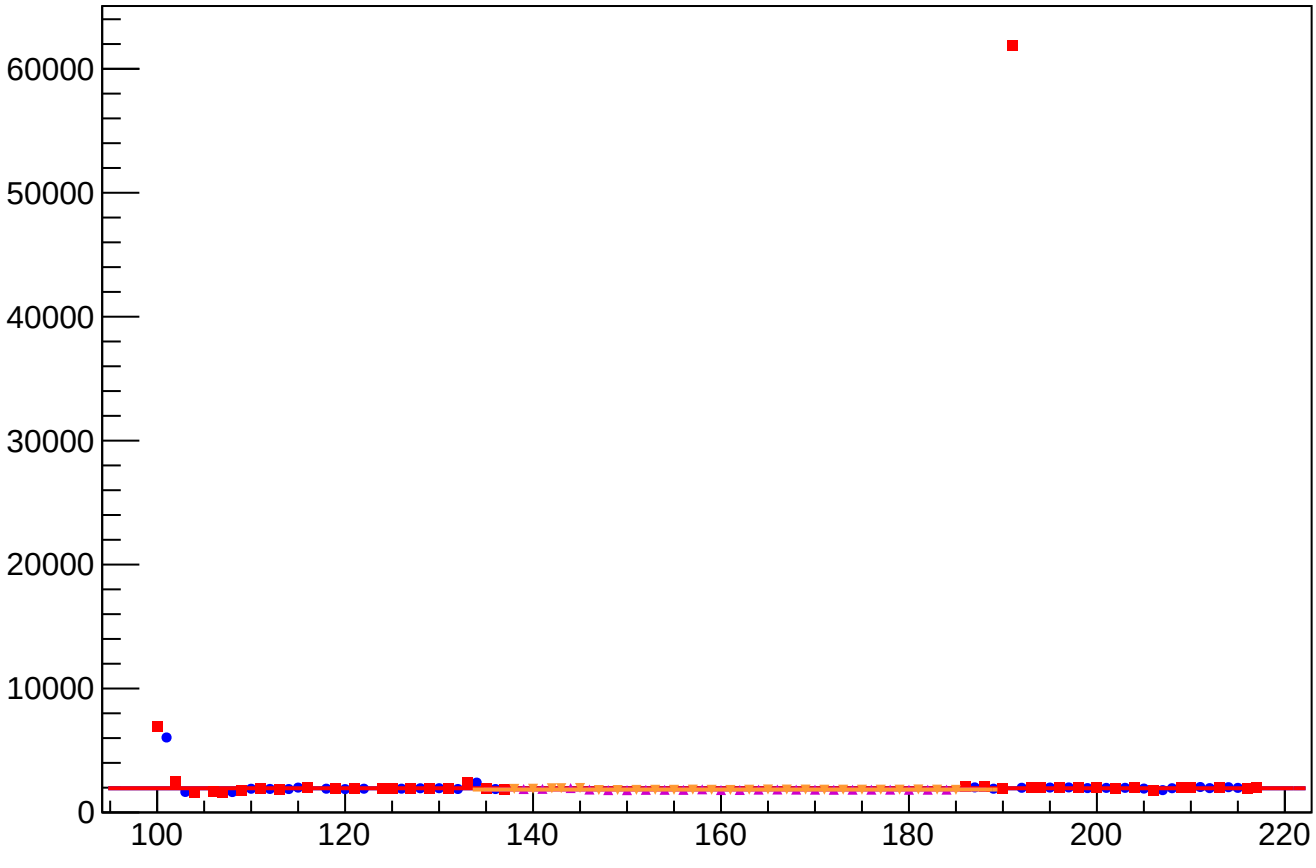
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2173.563+/-312.556 χ^2/NDF: 55.7/66

In: 2759.143+/-310.618 χ^2/NDF:43.9/53

Out: 1748.107+/-302.514 χ^2/NDF:65.7/60

All: 2240.264+/-216.718 χ^2/NDF: 115.1/114



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: 1953.437+/-0.308 χ^2/NDF: 418929.8/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

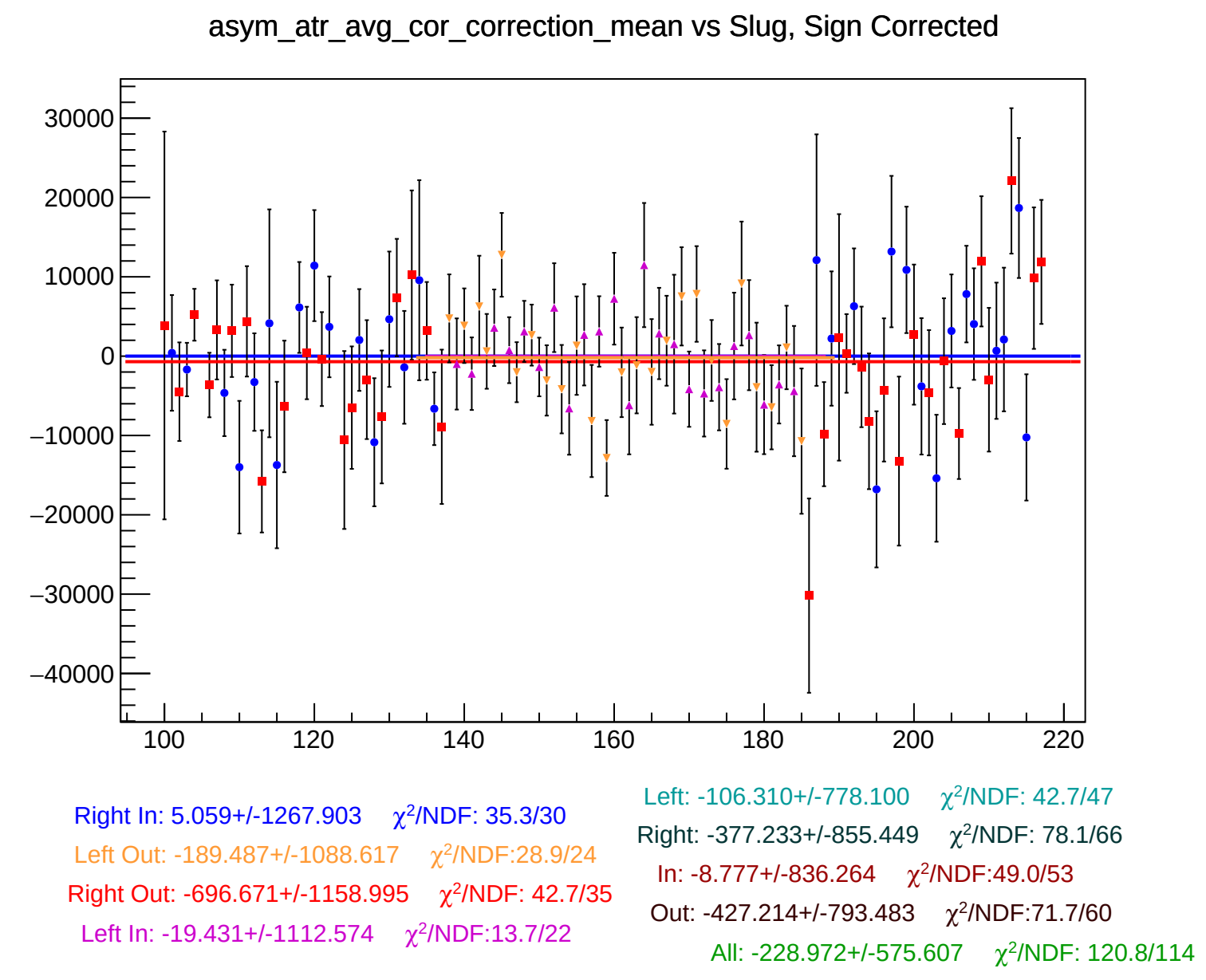
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

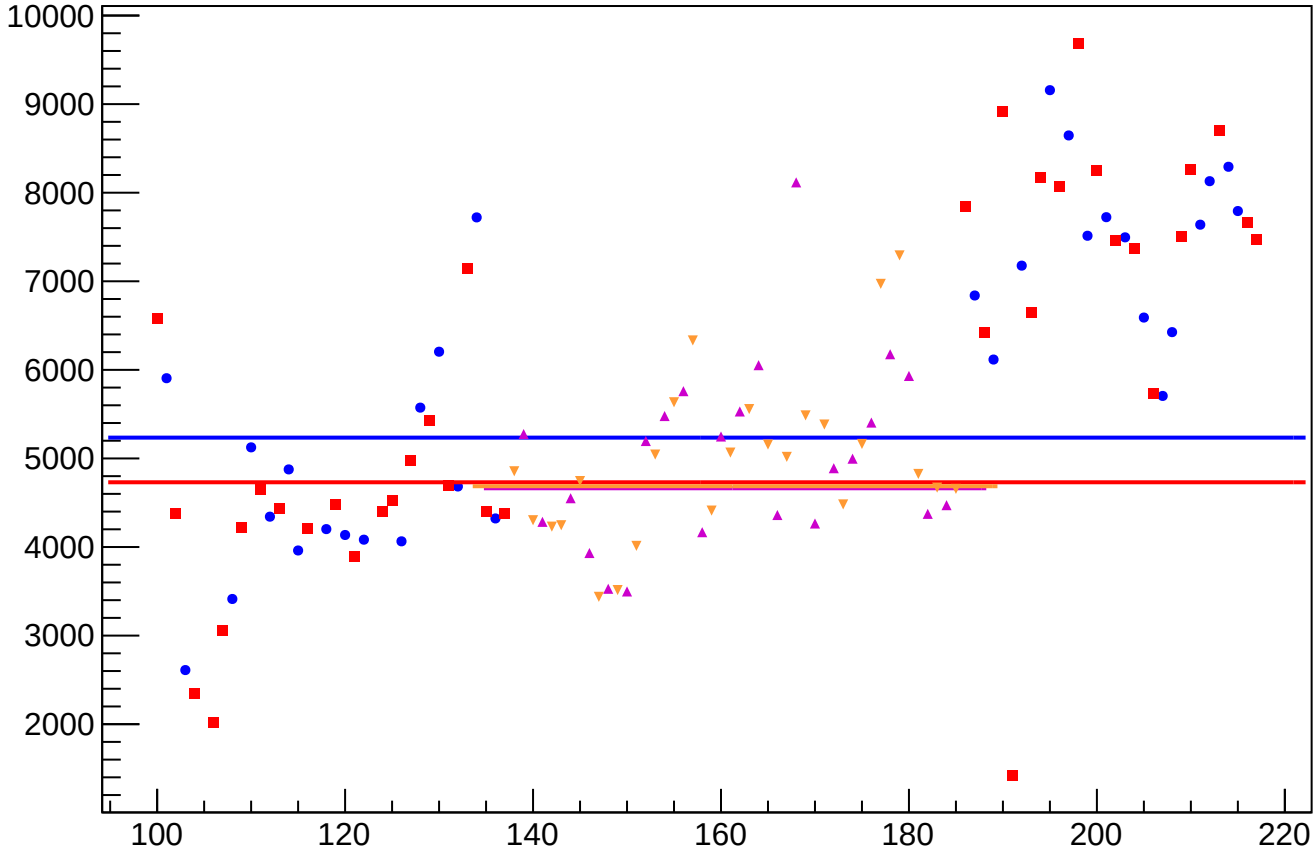
Right: 1951.938+/-0.221 χ^2/NDF: 1146007.9/66

In: 1895.631+/-0.220 χ^2/NDF:798417.3/53

Out: 1899.041+/-0.214 χ^2/NDF:499908.0/60

All: 1897.381+/-0.153 χ^2/NDF: 1298449.1/11


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 5.059+/-1267.903 χ²/NDF: 35.3/30
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -696.671+/-1158.995 χ²/NDF: 42.7/35
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -377.233+/-855.449 χ²/NDF: 78.1/66
In: -8.777+/-836.264 χ²/NDF:49.0/53
Out: -427.214+/-793.483 χ²/NDF:71.7/60
All: -228.972+/-575.607 χ²/NDF: 120.8/114



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: 4730.914+/-0.820 χ^2/NDF: 6983280.7/35

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

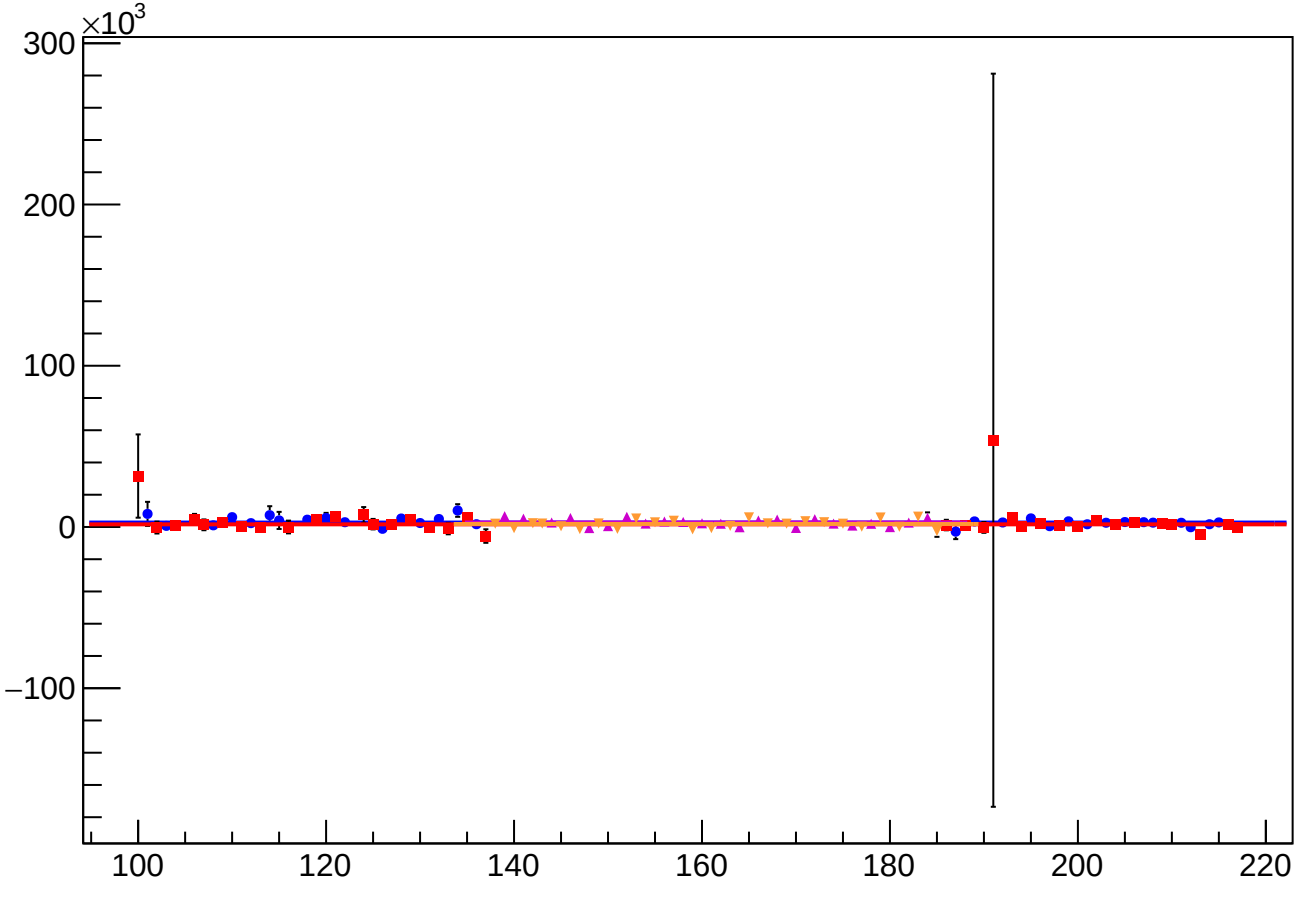
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4960.399+/-0.605 χ^2/NDF: 11322733.5/66

In: 4912.006+/-0.591 χ^2/NDF:5683710.5/53

Out: 4707.236+/-0.561 χ^2/NDF:8169940.9/60

All: 4804.249+/-0.407 χ^2/NDF: 13916755.3/1



Right In: 2741.177+/-448.204 χ^2/NDF: 18.5/30

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1636.227+/-436.086 χ^2/NDF: 34.1/35

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

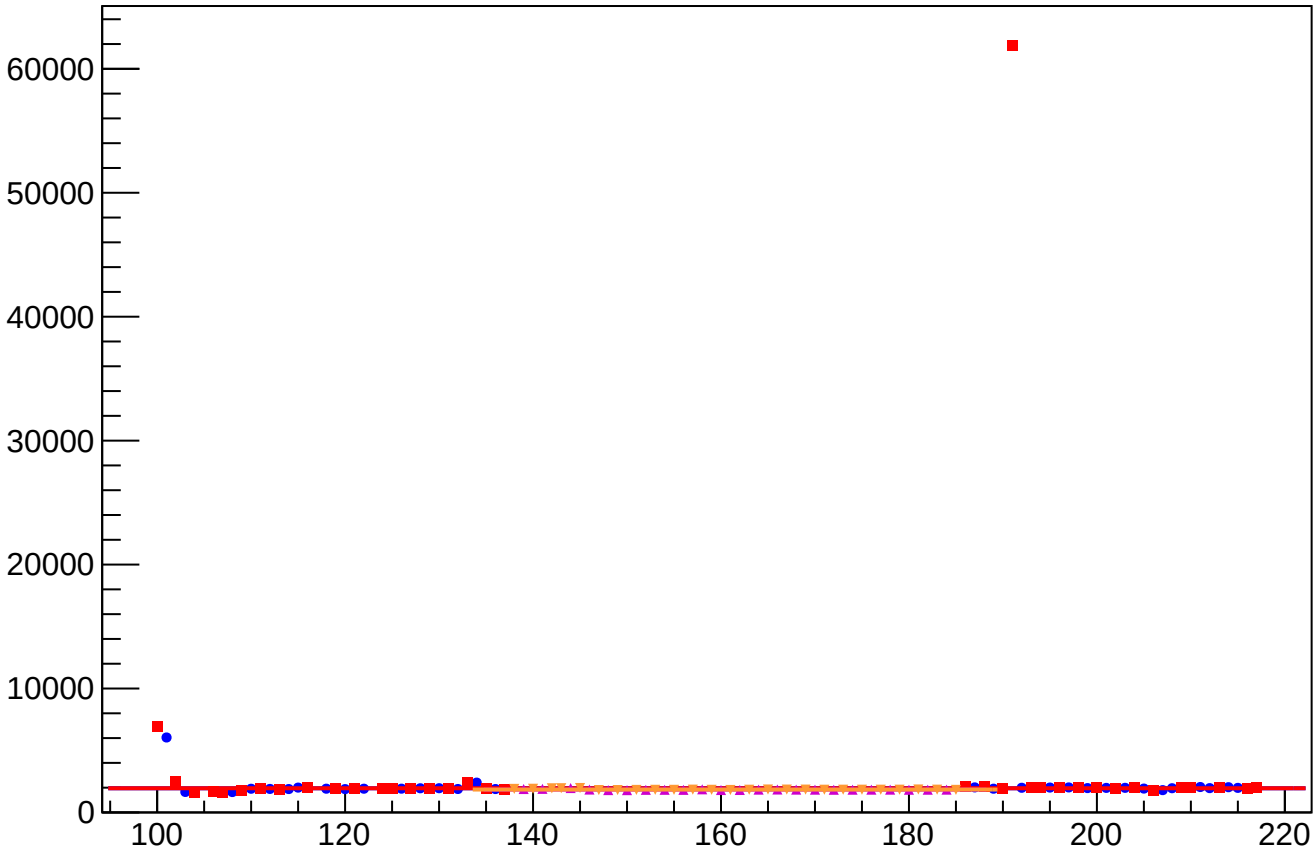
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2173.563+/-312.556 χ^2/NDF: 55.7/66

In: 2759.143+/-310.618 χ^2/NDF:43.9/53

Out: 1748.107+/-302.514 χ^2/NDF:65.7/60

All: 2240.264+/-216.718 χ^2/NDF: 115.1/114



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: 1953.437+/-0.308 χ^2/NDF: 418929.8/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

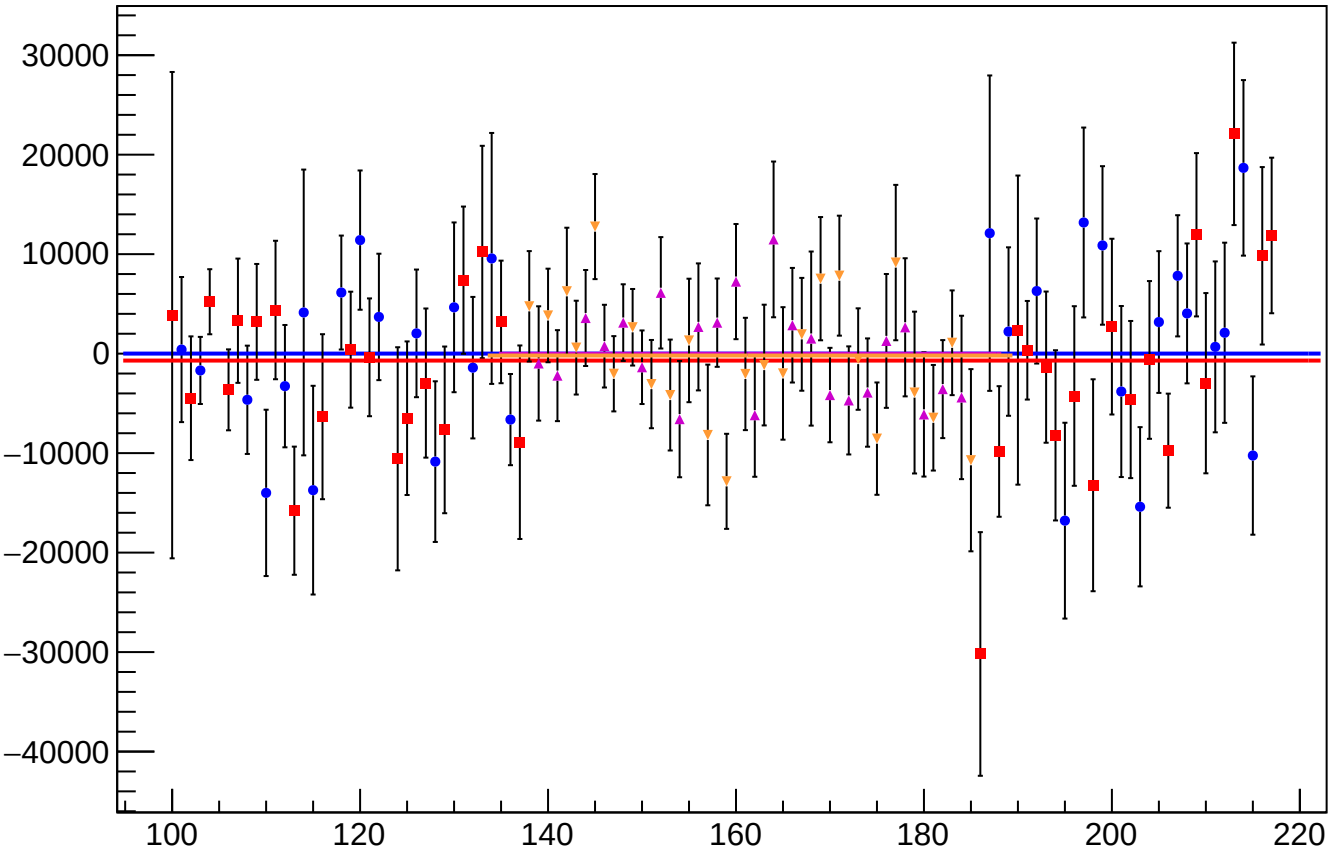
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1951.938+/-0.221 χ^2/NDF: 1146007.9/66

In: 1895.631+/-0.220 χ^2/NDF:798417.3/53

Out: 1899.041+/-0.214 χ^2/NDF:499908.0/60

All: 1897.381+/-0.153 χ^2/NDF: 1298449.1/11



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: -696.671+/-1158.995 χ^2/NDF: 42.7/35

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

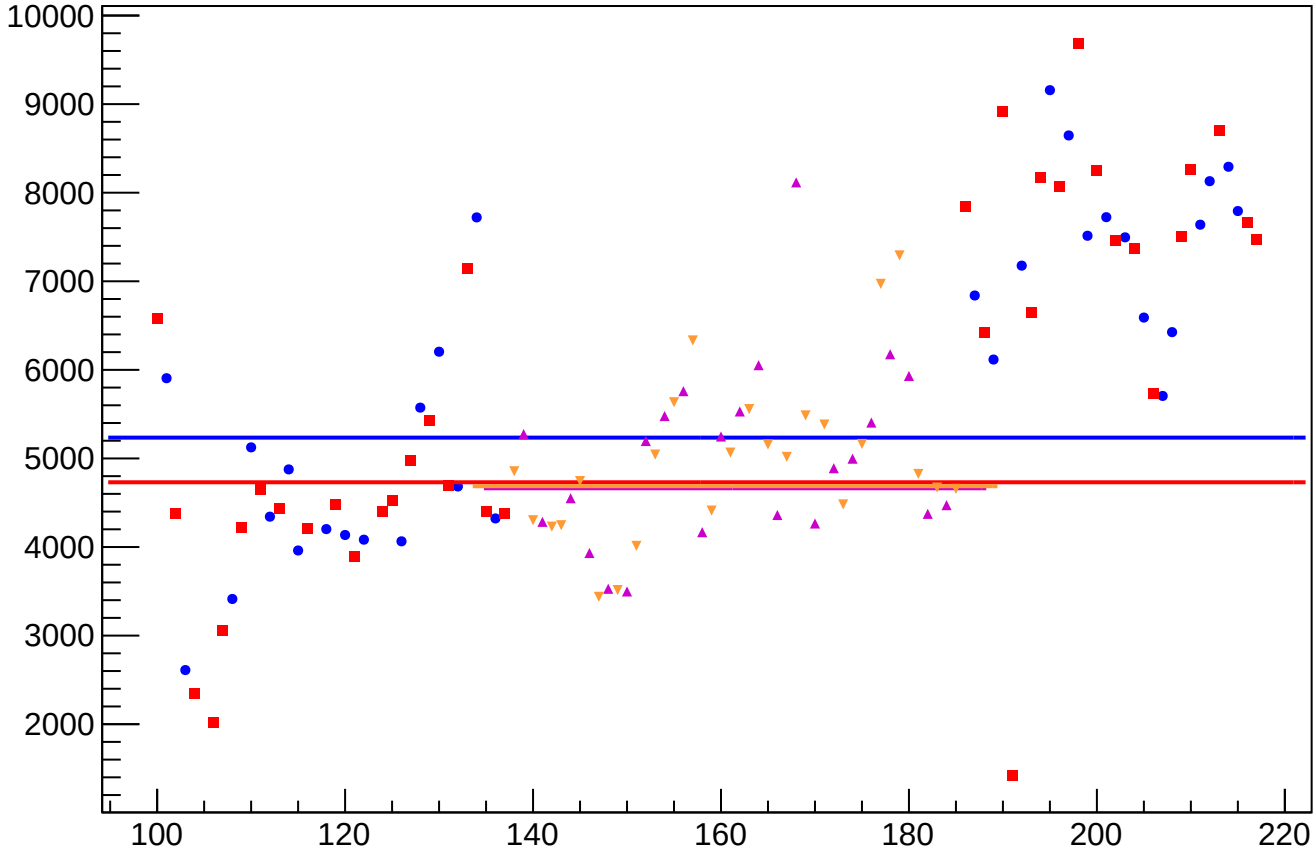
Right: -377.233+/-855.449 χ^2/NDF: 78.1/66

In: -8.777+/-836.264 χ^2/NDF:49.0/53

Out: -427.214+/-793.483 χ^2/NDF:71.7/60

All: -228.972+/-575.607 χ^2/NDF: 120.8/114

asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5235.040+/-0.897 χ^2/NDF: 4167201.6/30

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4730.914+/-0.820 χ^2/NDF: 6983280.7/35

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

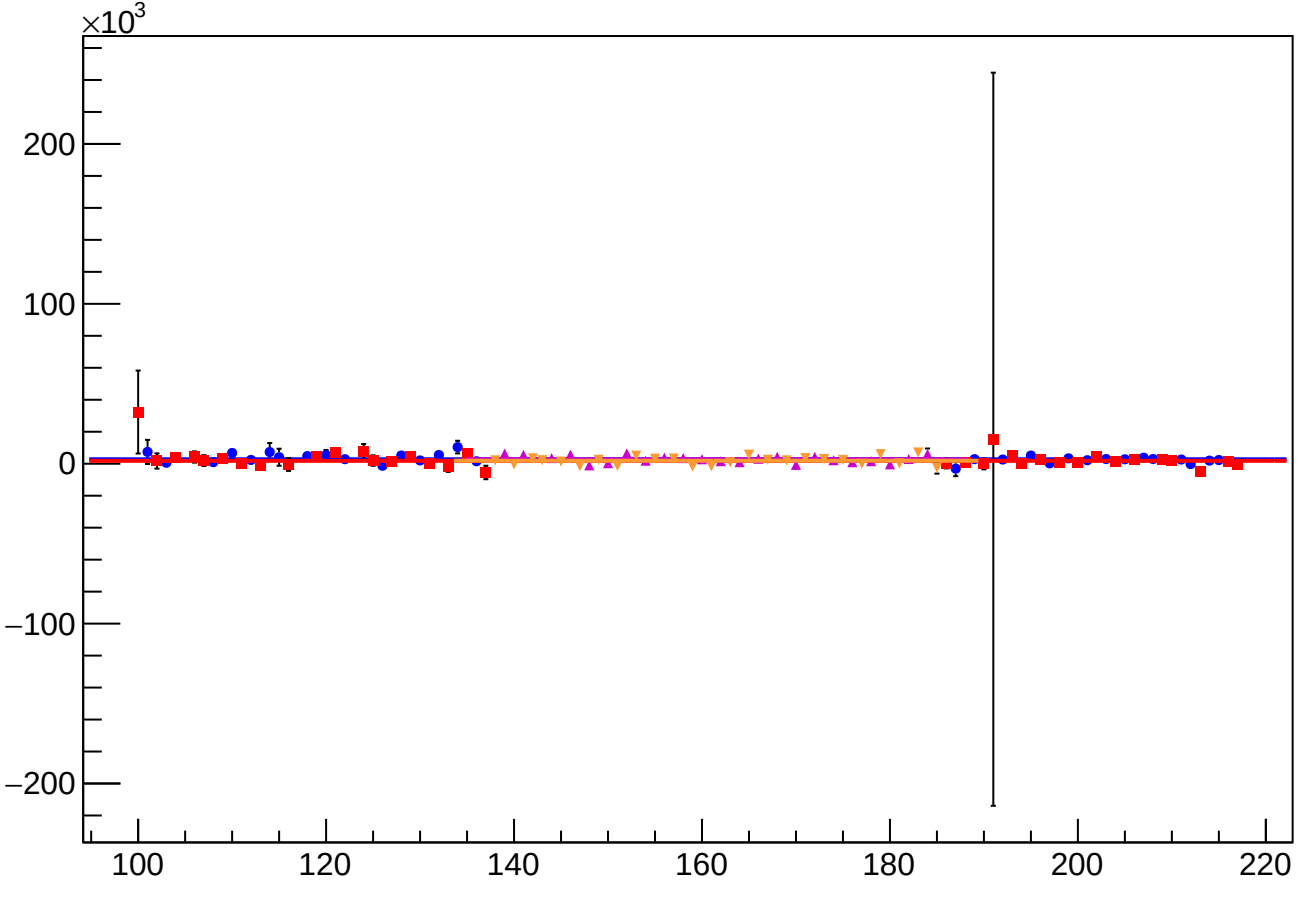
Right: 4960.399+/-0.605 χ^2/NDF: 11322733.5/66

In: 4912.006+/-0.591 χ^2/NDF:5683710.5/53

Out: 4707.236+/-0.561 χ^2/NDF:8169940.9/60

All: 4804.249+/-0.407 χ^2/NDF: 13916755.3/1

dit_asym_atr_avg_mean vs Slug, Sign Corrected



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: 1815.852+/-444.925 χ^2/NDF: 35.5/35

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

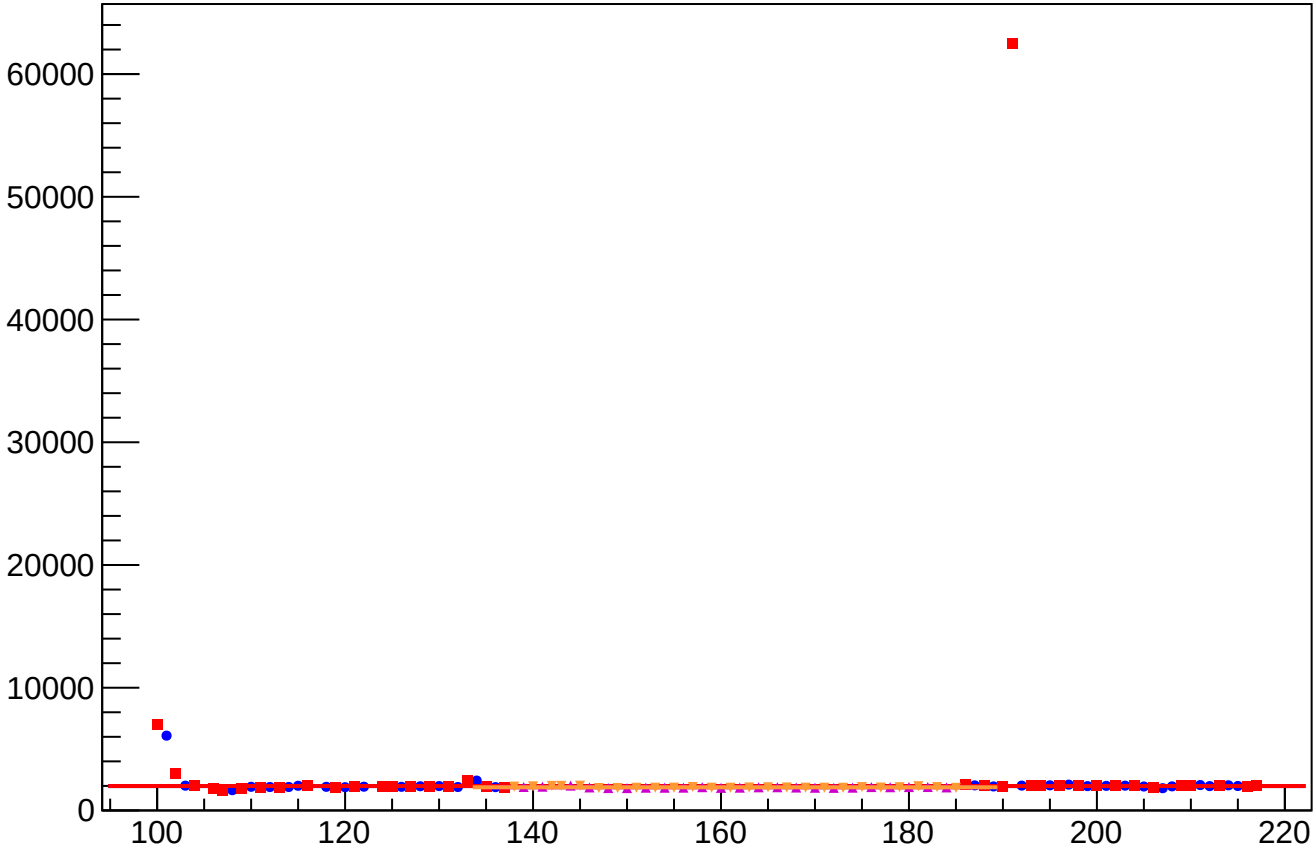
Right: 2281.506+/-318.586 χ^2/NDF: 56.8/66

In: 2785.469+/-316.477 χ^2/NDF:44.4/53

Out: 1849.576+/-308.818 χ^2/NDF:68.5/60

All: 2306.060+/-221.025 χ^2/NDF: 117.4/114

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: 1989.778+/-0.315 χ^2/NDF: 437092.4/35

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

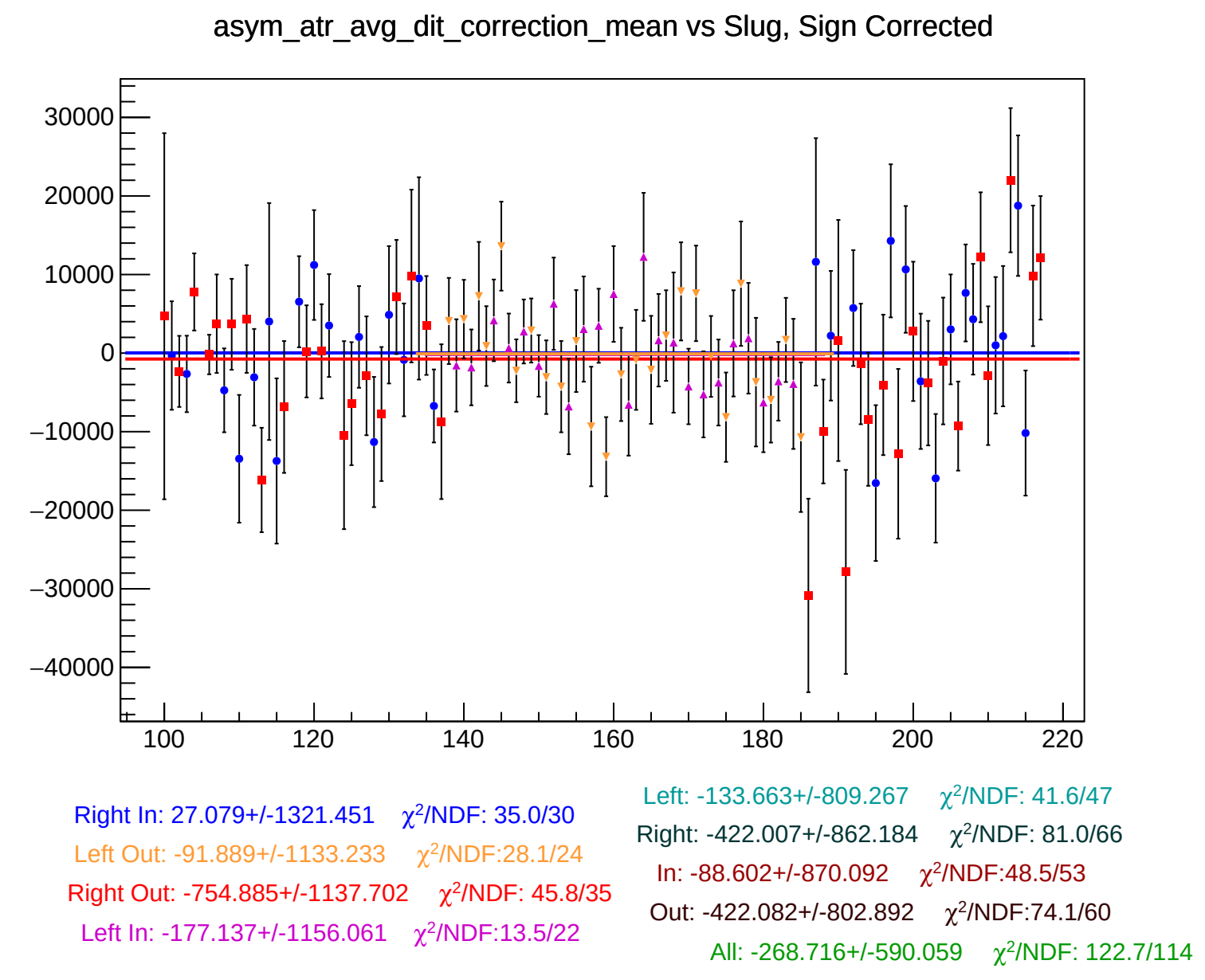
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

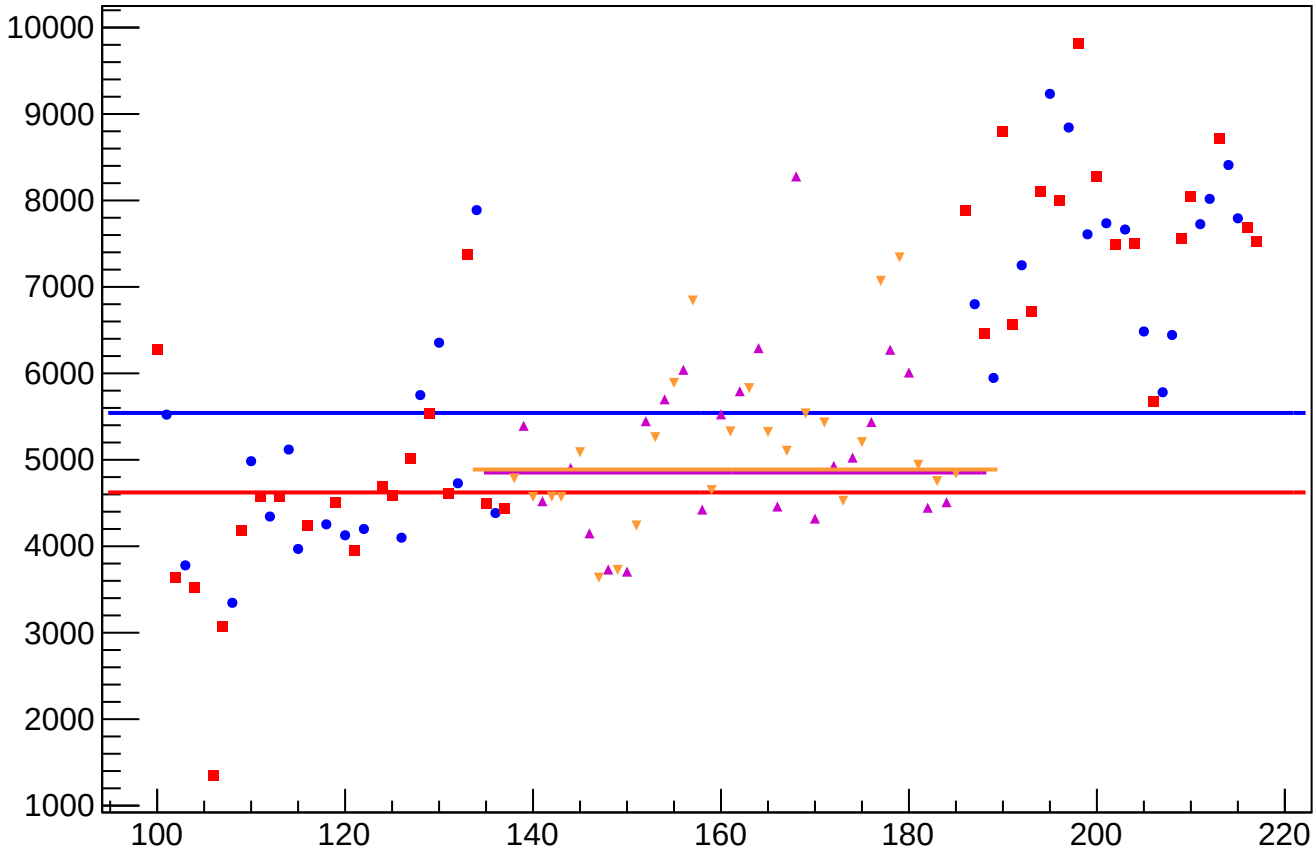
Right: 1988.218+/-0.225 χ^2/NDF: 1132208.1/66

In: 1931.546+/-0.224 χ^2/NDF:770113.3/53

Out: 1936.813+/-0.218 χ^2/NDF:523788.7/60

All: 1934.244+/-0.156 χ^2/NDF: 1294185.8/11


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: -754.885+/-1137.702 χ²/NDF: 45.8/35
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -422.007+/-862.184 χ²/NDF: 81.0/66
In: -88.602+/-870.092 χ²/NDF:48.5/53
Out: -422.082+/-802.892 χ²/NDF:74.1/60
All: -268.716+/-590.059 χ²/NDF: 122.7/114



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: 4622.689+/-0.804 χ^2/NDF: 8022174.4/35

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

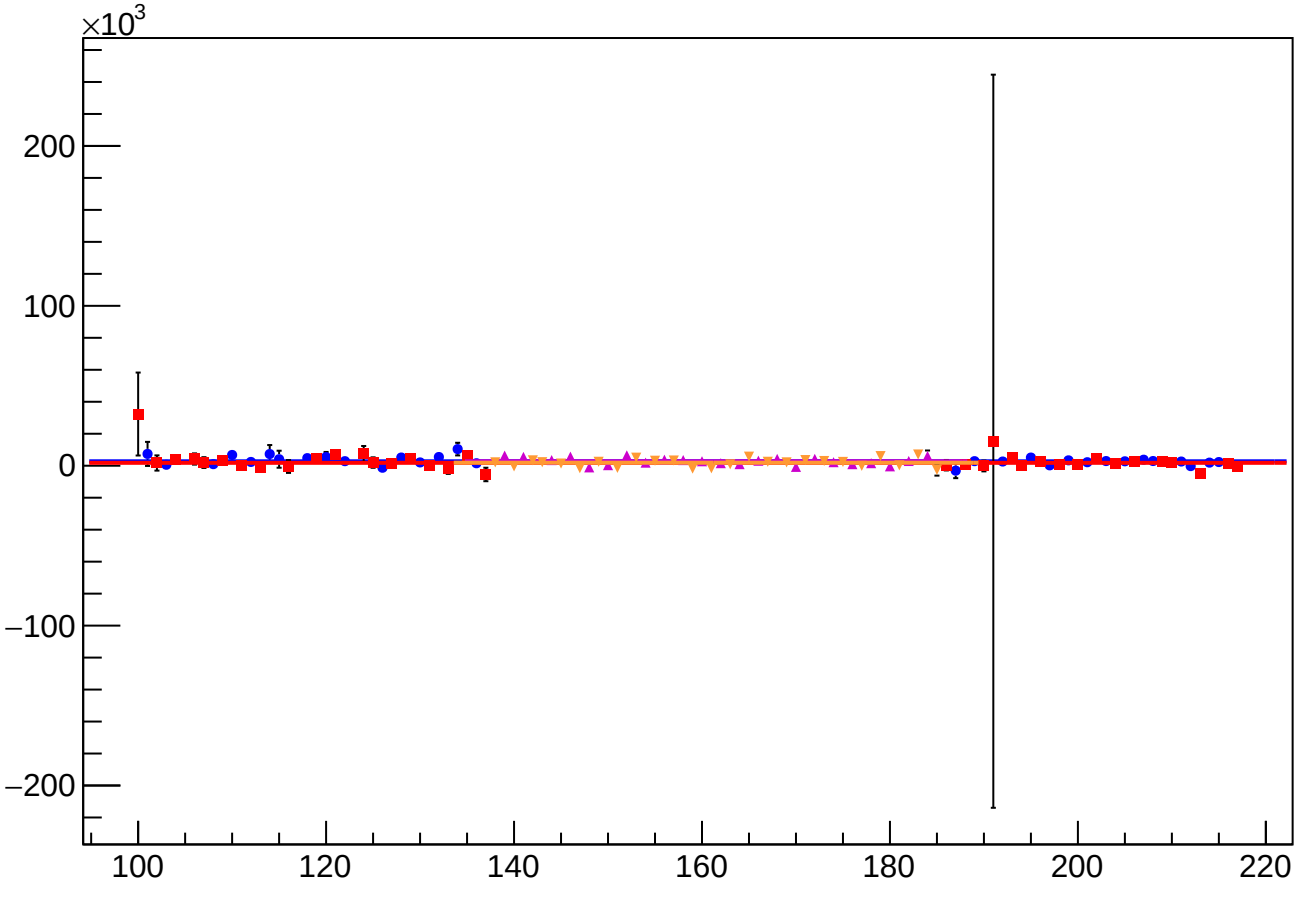
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 5014.095+/-0.610 χ^2/NDF: 11655040.0/66

In: 5151.976+/-0.615 χ^2/NDF:4563224.4/53

Out: 4755.778+/-0.568 χ^2/NDF:9139995.6/60

All: 4937.988+/-0.417 χ^2/NDF: 13927195.6/1



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: 1815.854+/-444.925 χ^2/NDF: 35.5/35

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

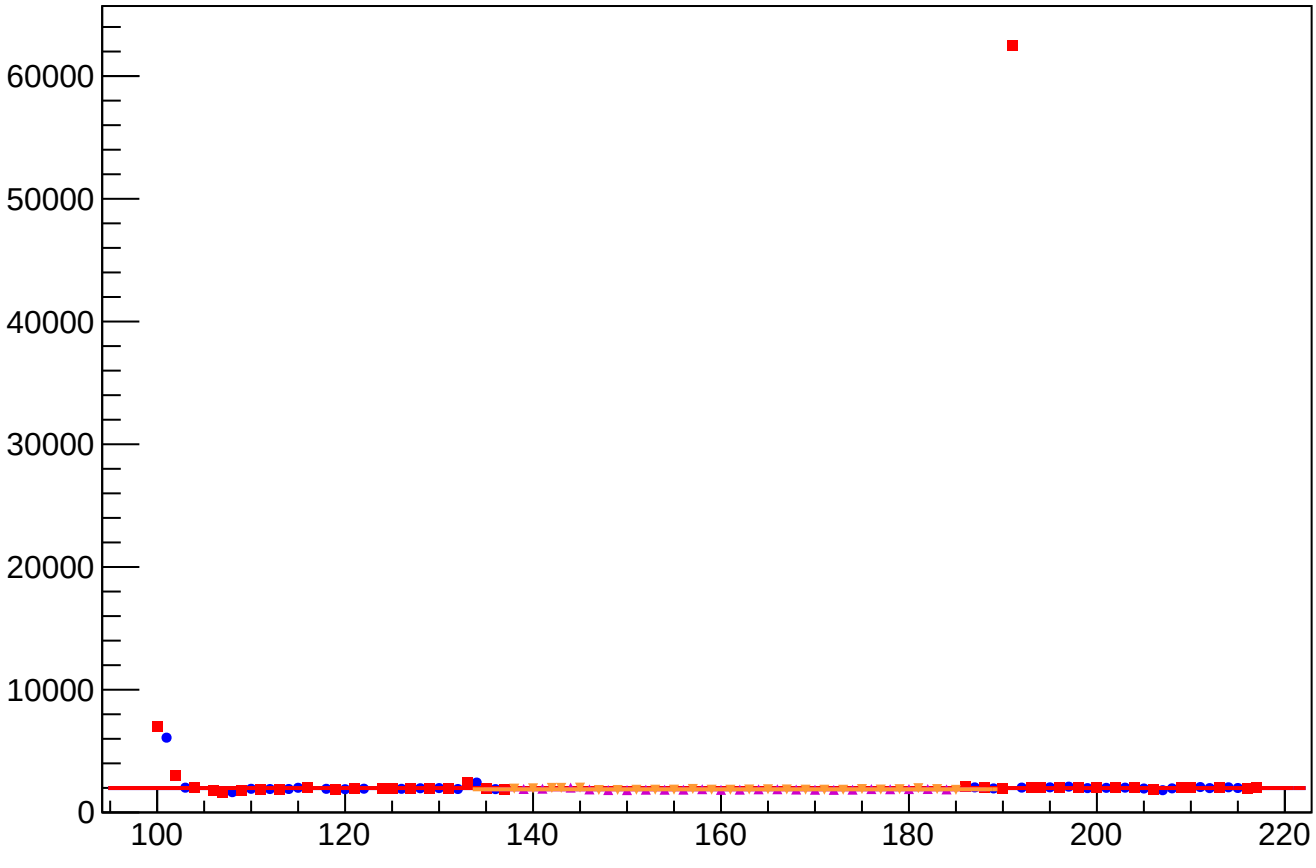
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2281.505+/-318.586 χ^2/NDF: 56.8/66

In: 2785.468+/-316.477 χ^2/NDF:44.4/53

Out: 1849.574+/-308.818 χ^2/NDF:68.5/60

All: 2306.059+/-221.025 χ^2/NDF: 117.4/114



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: 1989.777+/-0.315 χ^2/NDF: 437091.9/35

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

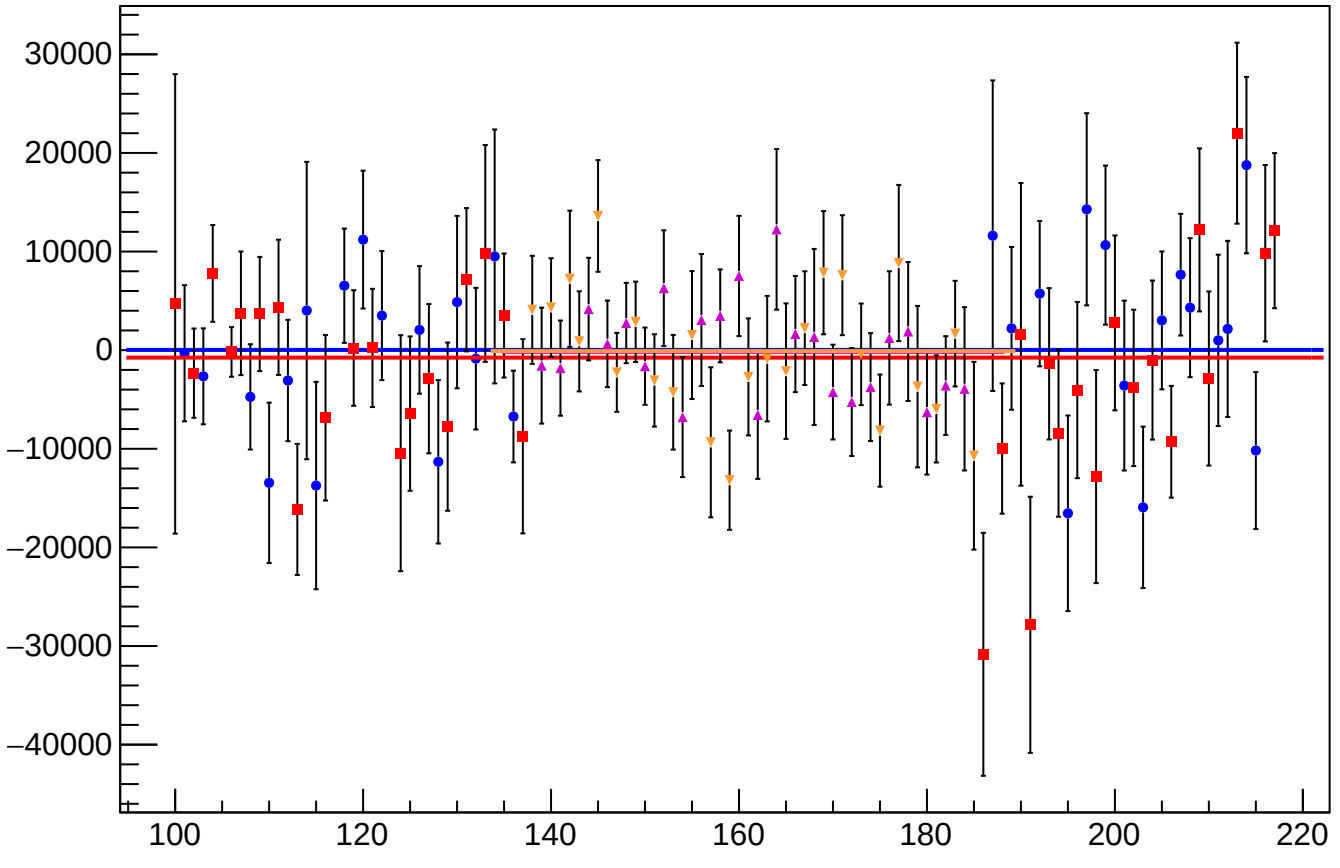
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1988.218+/-0.225 χ^2/NDF: 1132207.7/66

In: 1931.546+/-0.224 χ^2/NDF:770112.5/53

Out: 1936.813+/-0.218 χ^2/NDF:523787.4/60

All: 1934.245+/-0.156 χ^2/NDF: 1294183.8/11



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: -754.884+/-1137.701 χ^2/NDF: 45.8/35

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

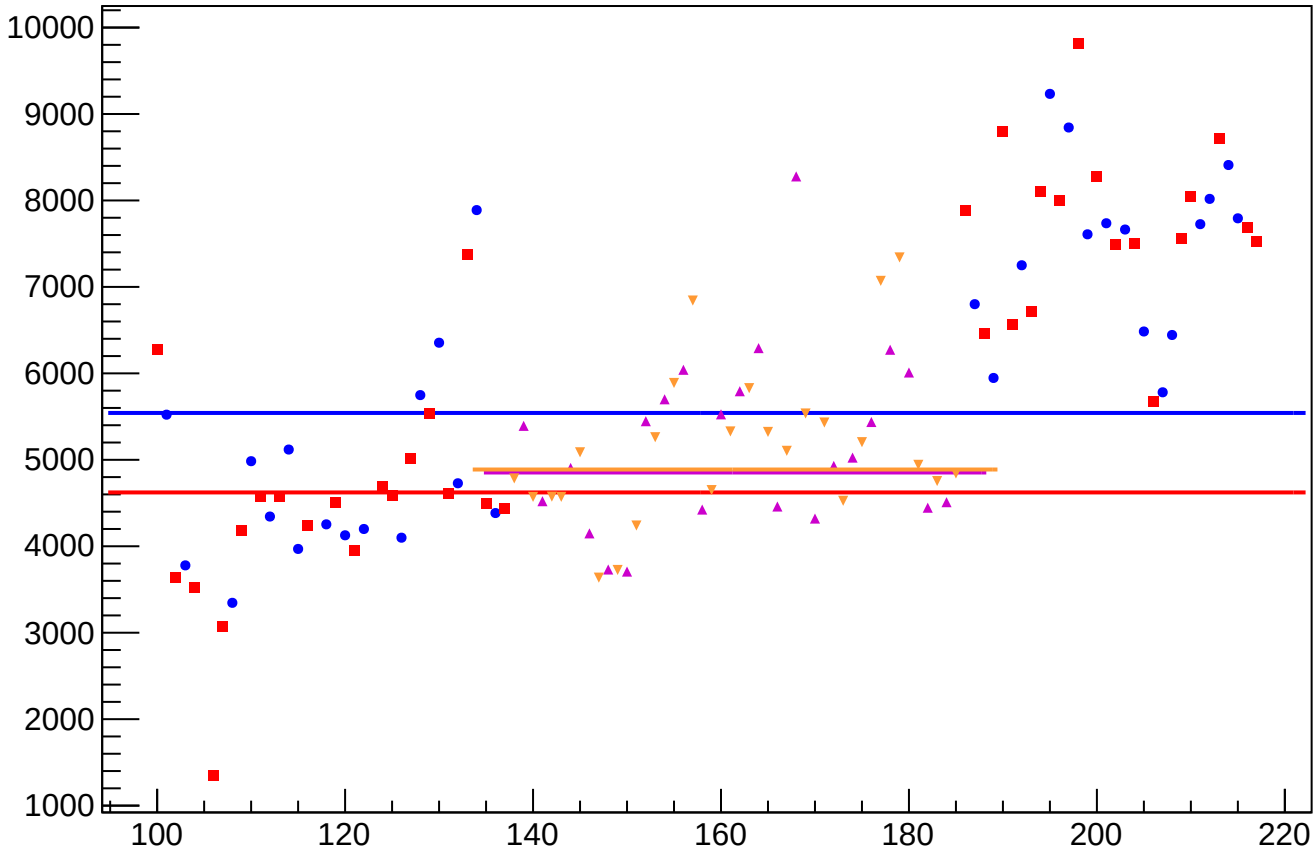
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -422.004+/-862.184 χ^2/NDF: 81.0/66

In: -88.600+/-870.093 χ^2/NDF:48.5/53

Out: -422.085+/-802.893 χ^2/NDF:74.1/60

All: -268.716+/-590.060 χ^2/NDF: 122.7/114



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: 4622.681+/-0.804 χ^2/NDF: 8022222.9/35

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

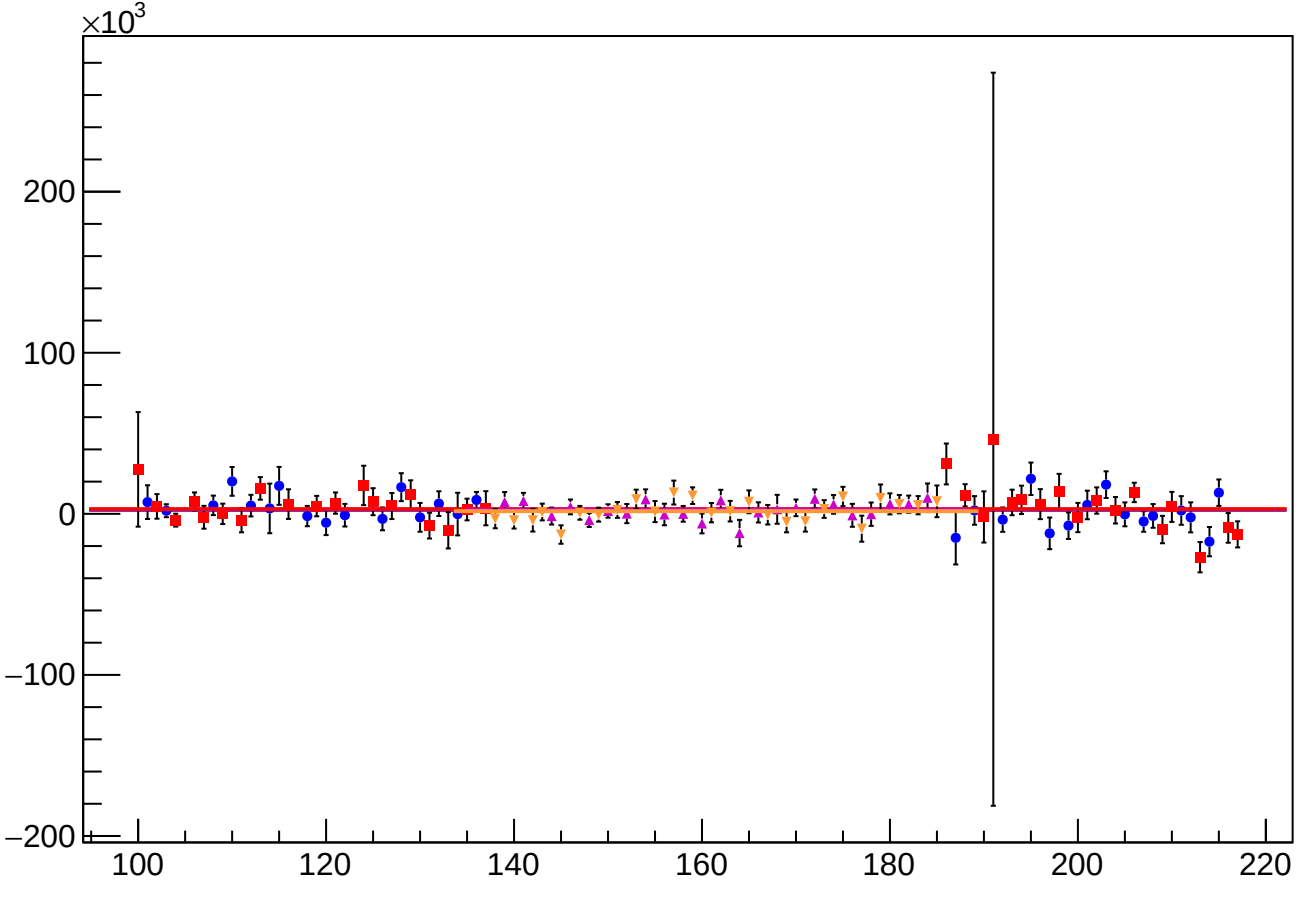
Right: 5014.088+/-0.610 χ^2/NDF: 11655118.7/66

In: 5151.979+/-0.615 χ^2/NDF:4563240.3/53

Out: 4755.777+/-0.568 χ^2/NDF:9140052.4/60

All: 4937.989+/-0.417 χ^2/NDF: 13927272.2/1

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: 2889.126+/-1323.586 χ^2/NDF: 45.2/35

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

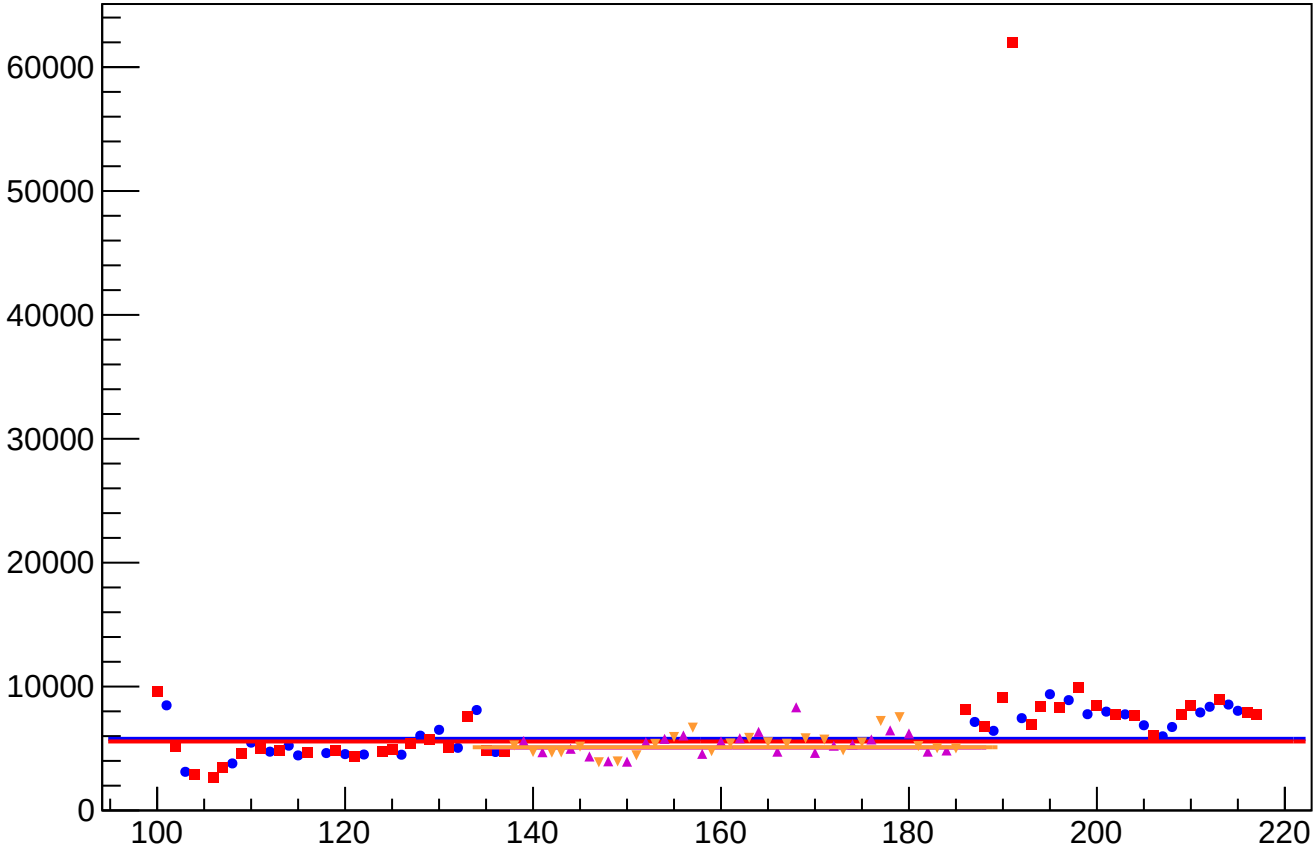
Right: 2727.730+/-956.118 χ^2/NDF: 79.4/66

In: 2558.427+/-908.189 χ^2/NDF:50.1/53

Out: 2200.605+/-880.232 χ^2/NDF:71.6/60

All: 2373.924+/-632.070 χ^2/NDF: 121.8/114

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: 5567.817+/-0.931 χ^2/NDF: 4549669.6/35

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

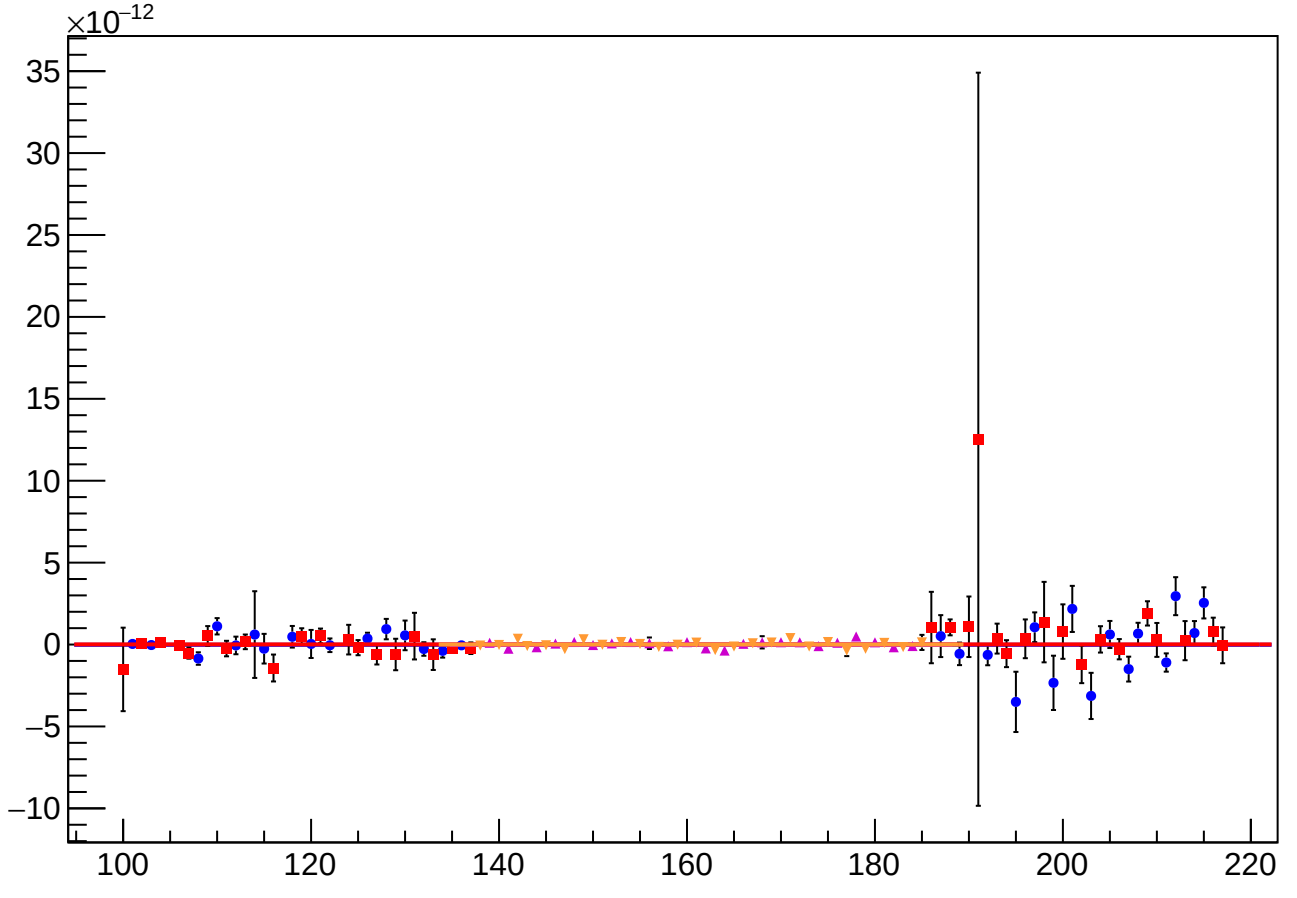
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5669.182+/-0.674 χ^2/NDF: 7927126.8/66

In: 5378.775+/-0.642 χ^2/NDF:4642138.4/53

Out: 5308.521+/-0.621 χ^2/NDF:5598814.0/60

All: 5342.465+/-0.446 χ^2/NDF: 10247138.0/



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: 31.1/35

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

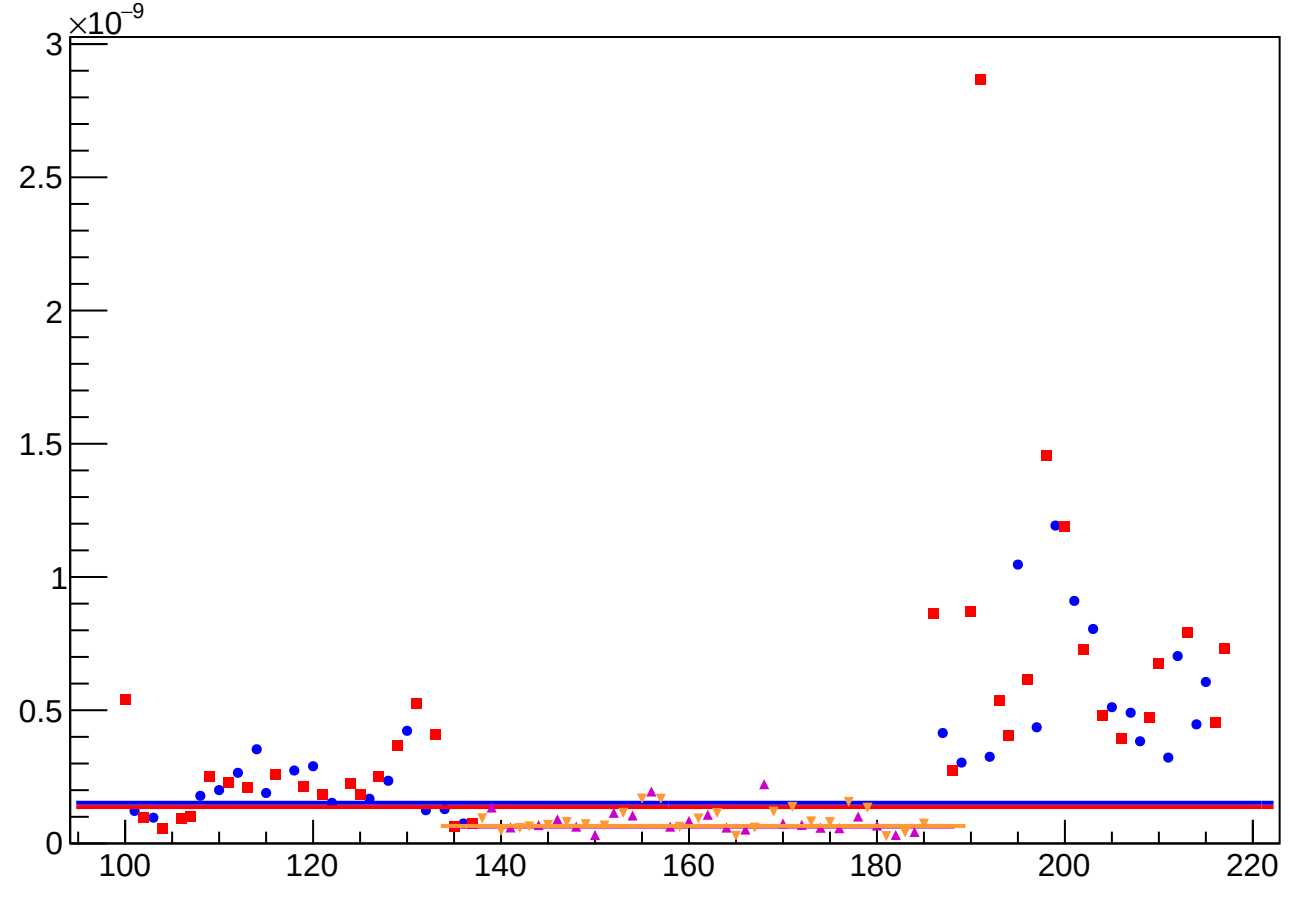
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 87.1/66

In: -0.000+/-0.000 χ^2/NDF:88.4/53

Out: 0.000+/-0.000 χ^2/NDF:64.3/60

All: -0.000+/-0.000 χ^2/NDF: 153.0/114



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: 9047843.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

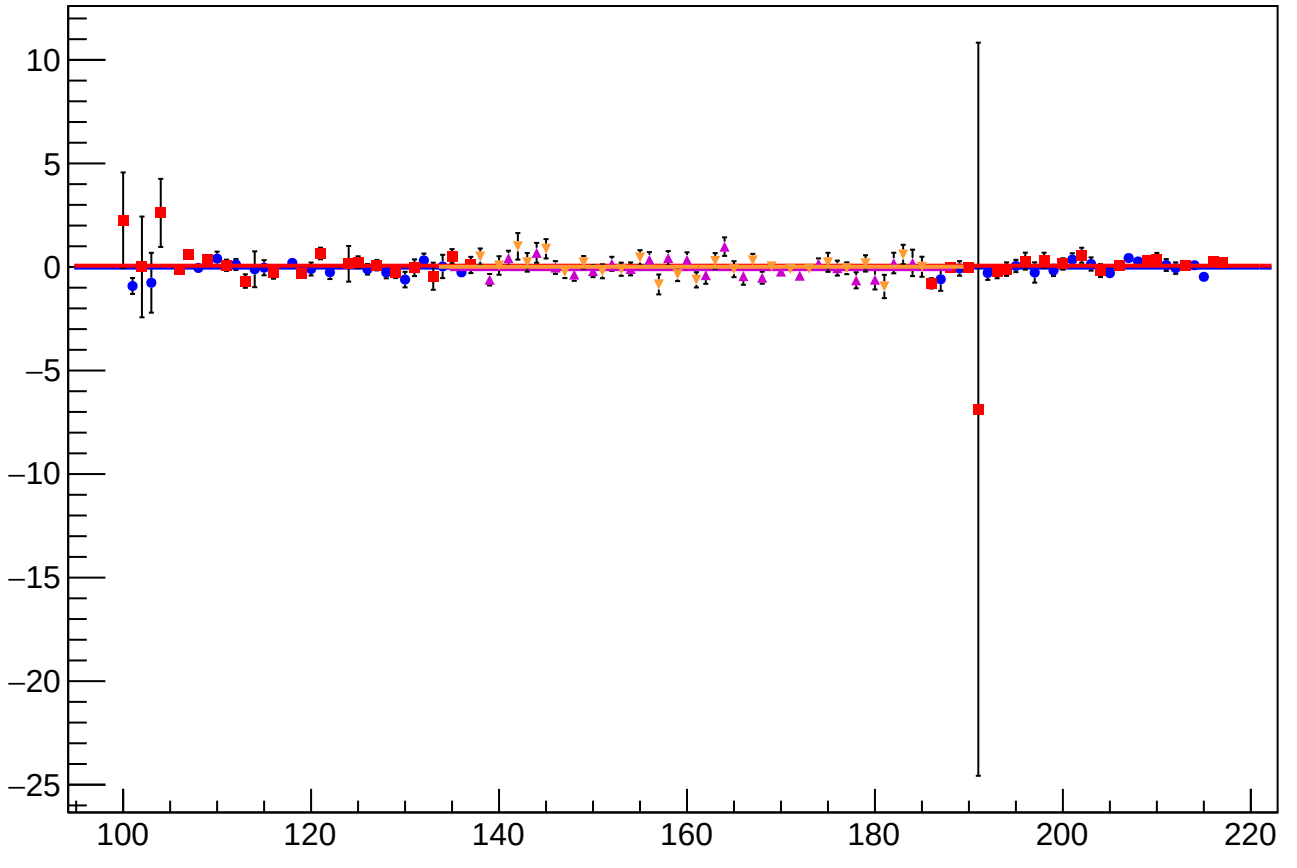
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15871843.3/66

In: 0.000+/-0.000 χ^2/NDF:11705485.2/53

Out: 0.000+/-0.000 χ^2/NDF:13327399.8/60

All: 0.000+/-0.000 χ^2/NDF: 25033552.7/114



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: 0.062+/-0.045 χ^2/NDF: 49.8/35

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

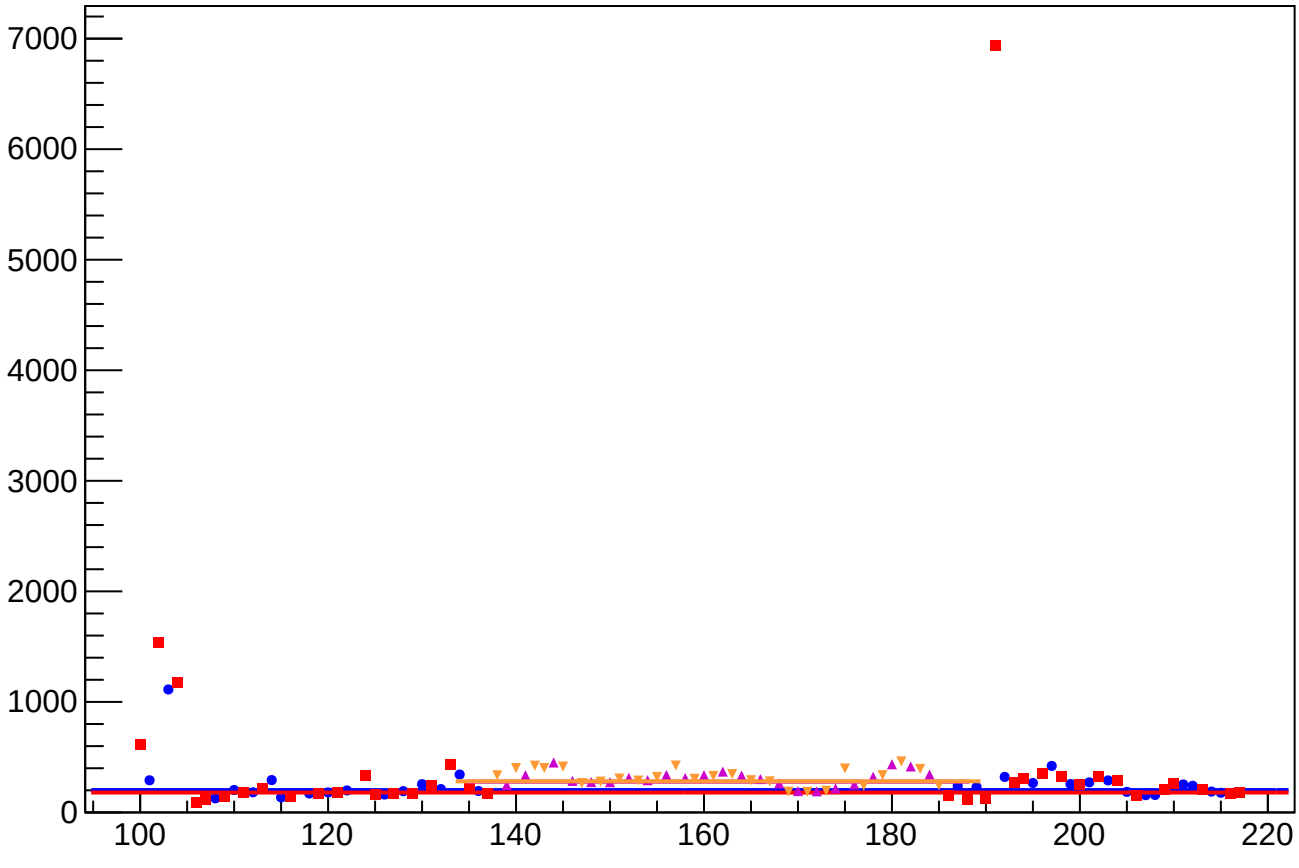
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.021+/-0.033 χ^2/NDF: 87.8/66

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.047+/-0.037 χ^2/NDF:75.4/60

All: -0.001+/-0.027 χ^2/NDF: 147.2/114



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: 180.233+/-0.032 χ^2/NDF: 5686547.3/35

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

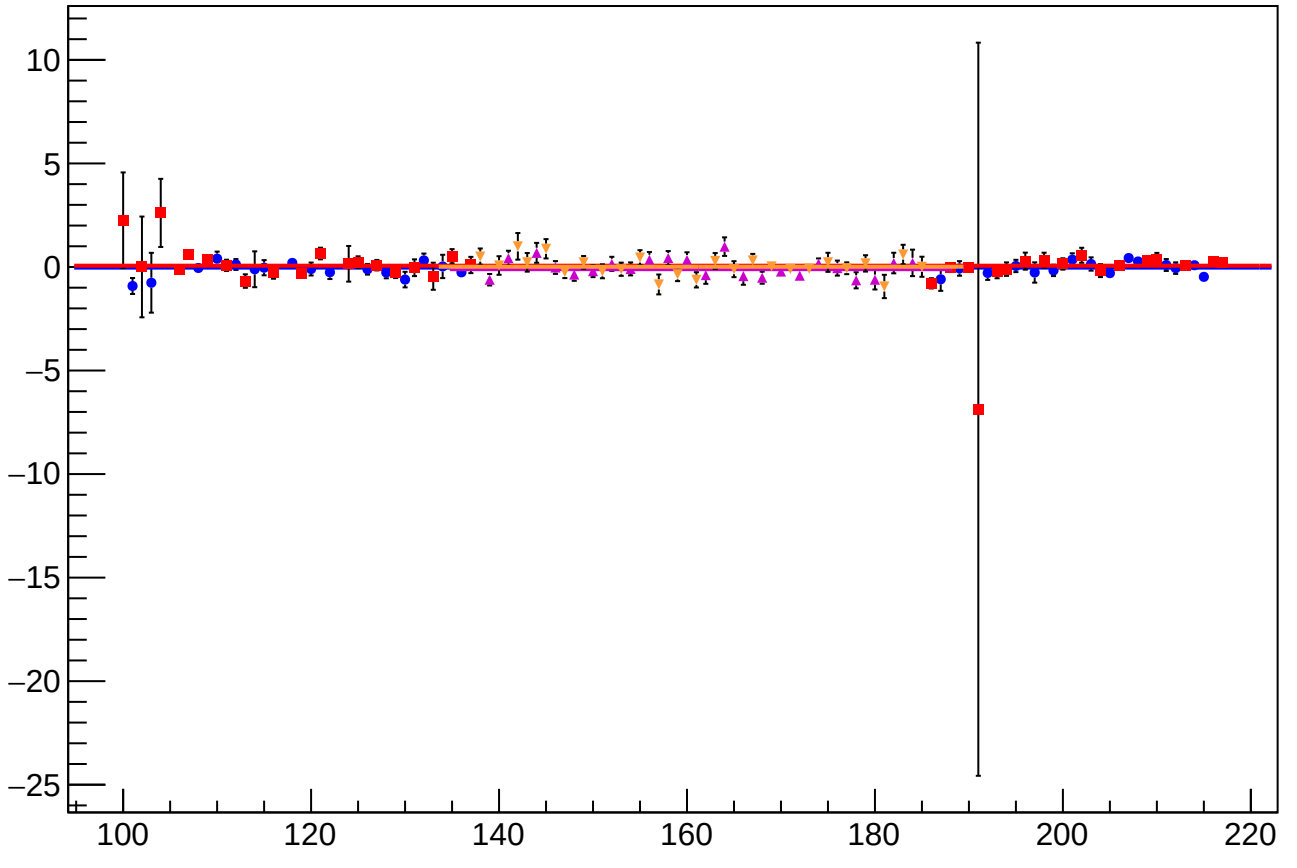
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.090+/-0.024 χ^2/NDF: 8937055.1/66

In: 228.596+/-0.029 χ^2/NDF:6444445.4/53

Out: 210.921+/-0.026 χ^2/NDF:11318185.4/60

All: 219.095+/-0.019 χ^2/NDF: 17969224.6/11



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: 0.062+/-0.045 χ^2/NDF: 49.8/35

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

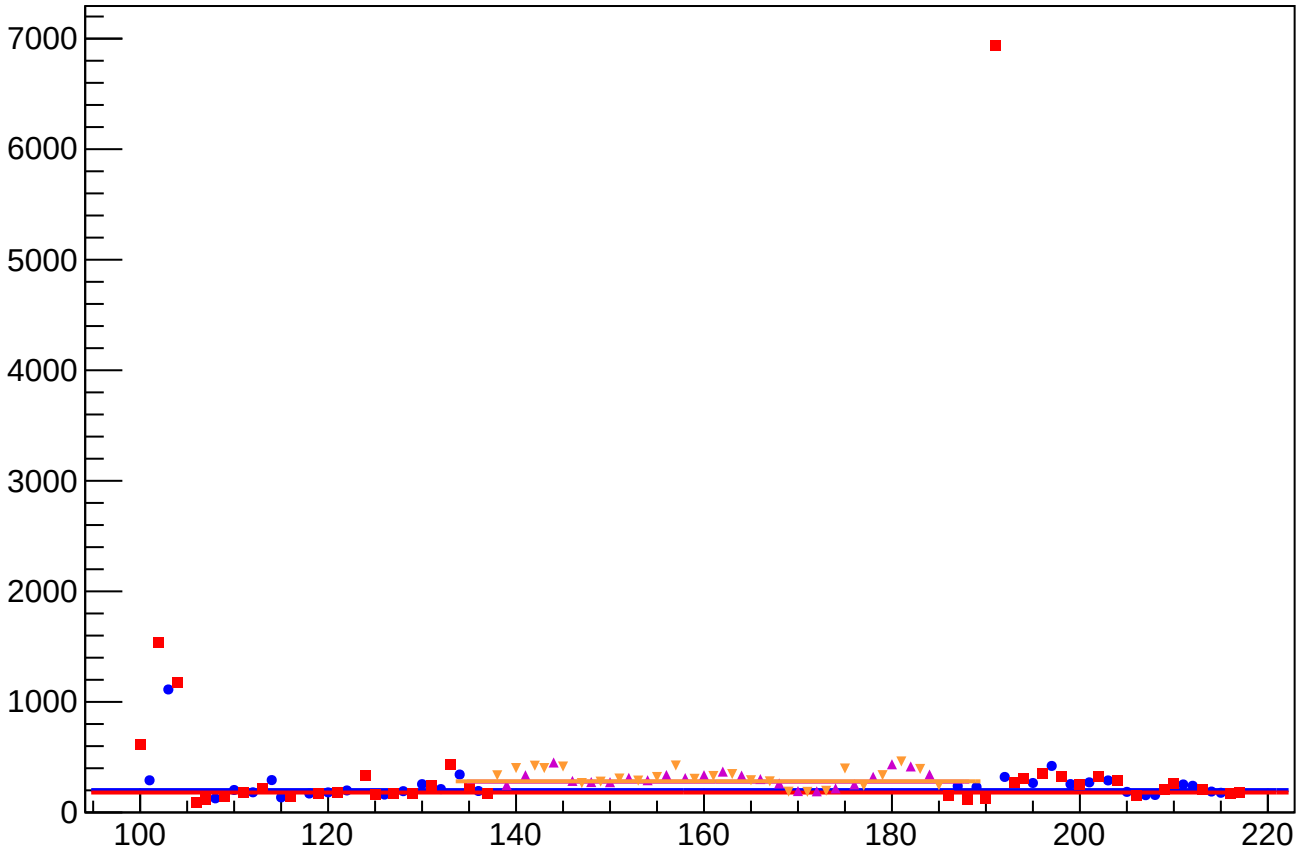
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.021+/-0.033 χ^2/NDF: 87.8/66

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.047+/-0.037 χ^2/NDF:75.4/60

All: -0.001+/-0.027 χ^2/NDF: 147.2/114



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: 180.233+/-0.032 χ^2/NDF: 5686547.3/35

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

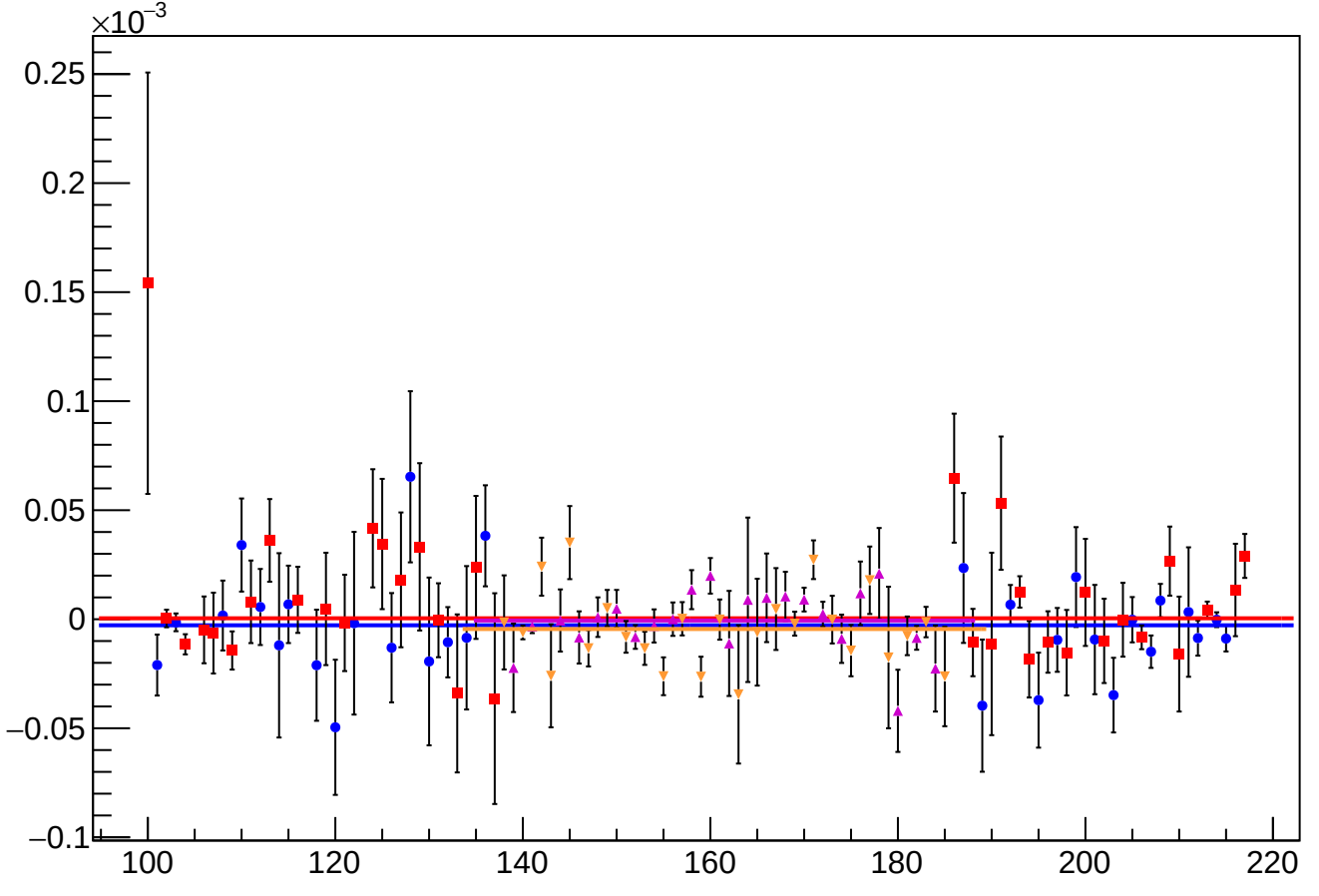
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.090+/-0.024 χ^2/NDF: 8937055.1/66

In: 228.596+/-0.029 χ^2/NDF:6444445.4/53

Out: 210.921+/-0.026 χ^2/NDF:11318185.4/60

All: 219.095+/-0.019 χ^2/NDF: 17969224.6/11



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: 52.2/35

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

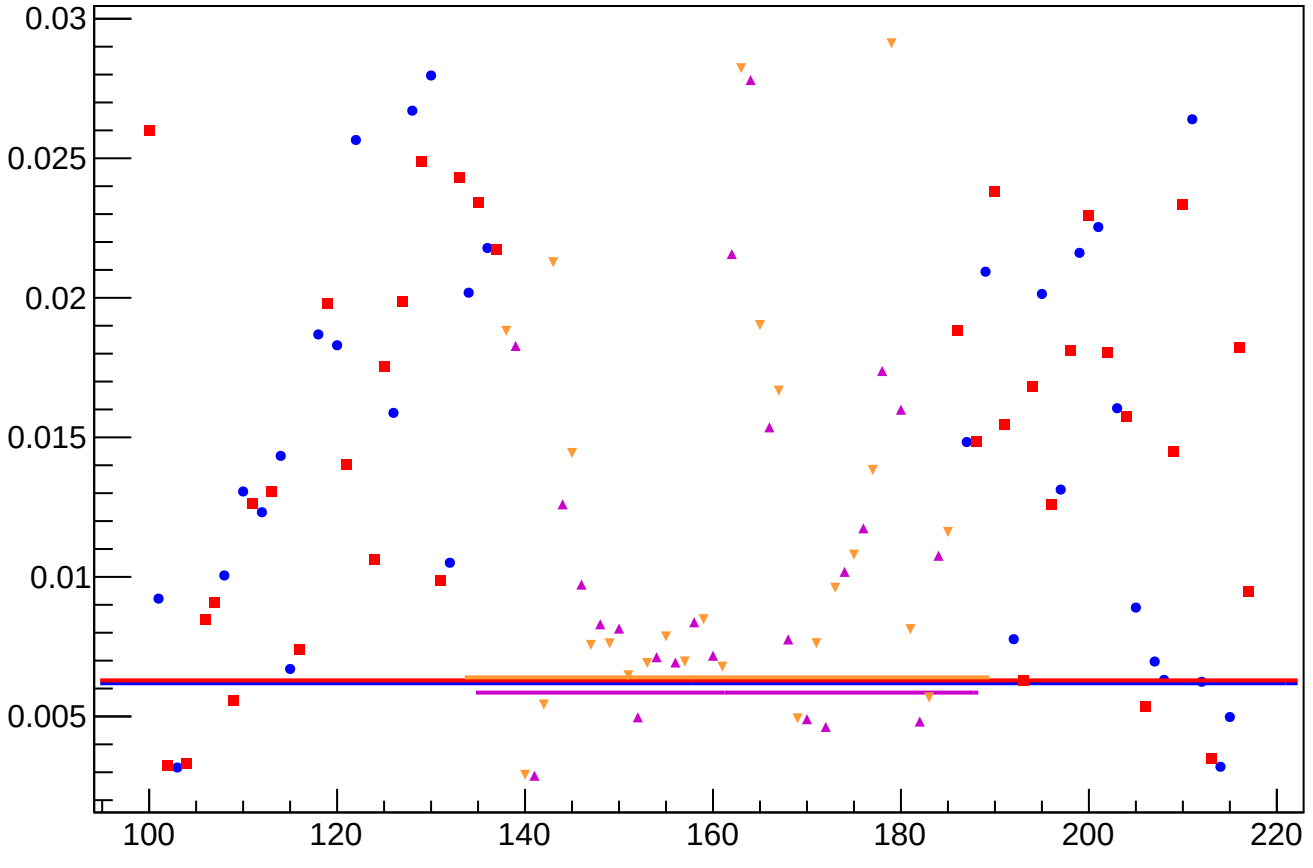
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 86.3/66

In: -0.000+/-0.000 χ^2/NDF:62.3/53

Out: -0.000+/-0.000 χ^2/NDF:102.6/60

All: -0.000+/-0.000 χ^2/NDF: 165.0/114



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: 14975512.8/35

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

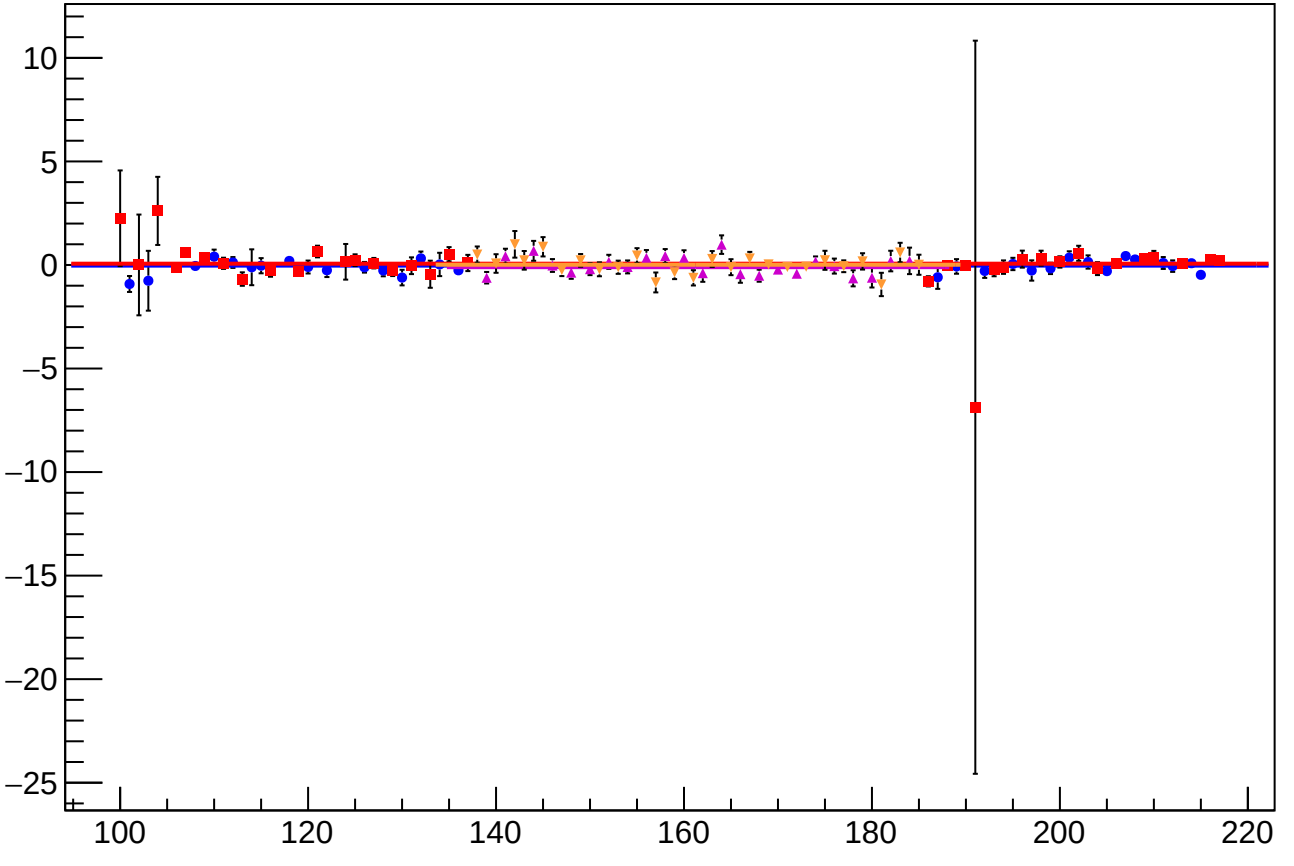
Right: 0.006+/-0.000 χ^2/NDF: 28007356.9/66

In: 0.006+/-0.000 χ^2/NDF:21210058.1/53

Out: 0.006+/-0.000 χ^2/NDF:23943614.9/60

All: 0.006+/-0.000 χ^2/NDF: 45232921.4/114

asym_atr_avg_eigen_dit_vs_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: 0.062+/-0.045 χ^2/NDF: 49.8/35

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

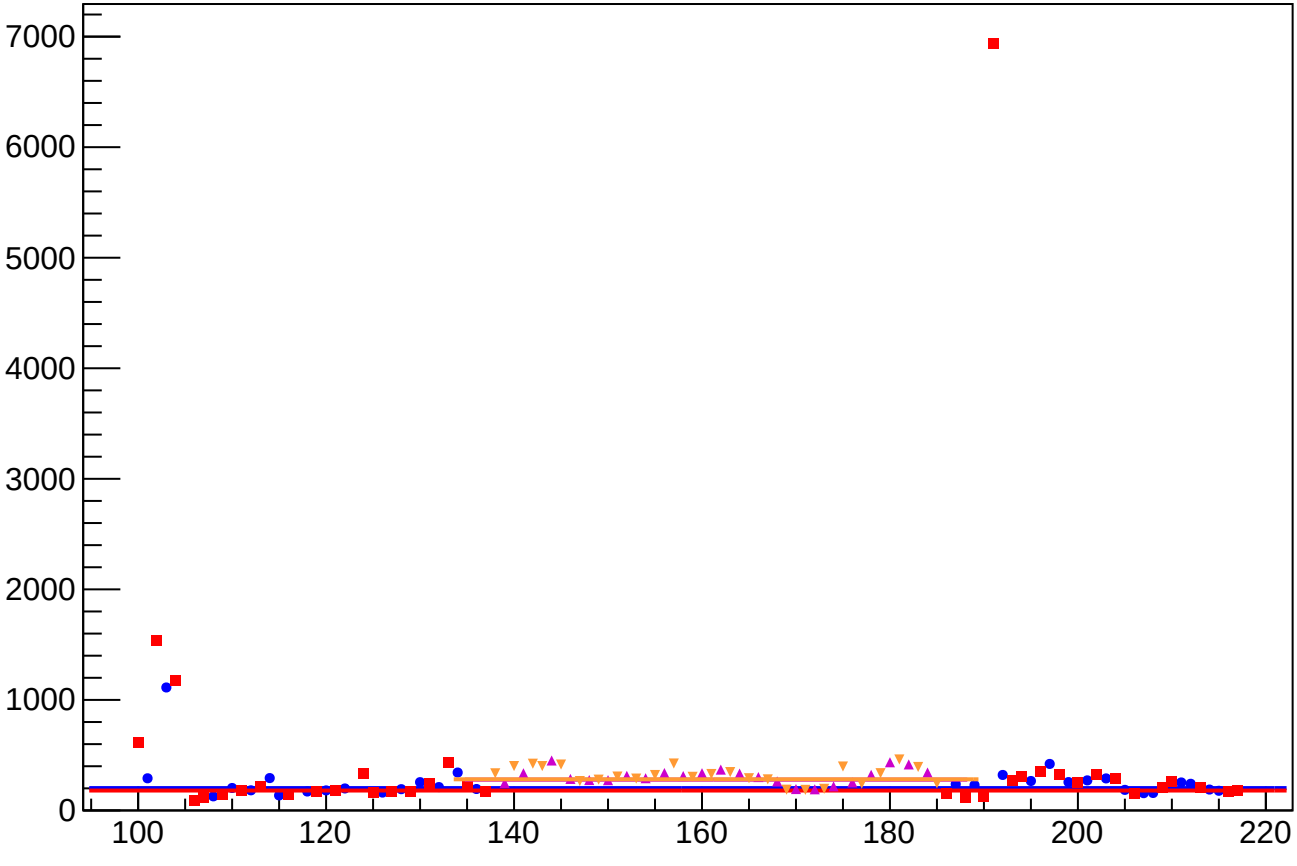
Right: 0.021+/-0.033 χ^2/NDF: 87.8/66

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.047+/-0.037 χ^2/NDF:75.4/60

All: -0.001+/-0.027 χ^2/NDF: 147.2/114

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: 180.231+/-0.032 χ^2/NDF: 5686696.5/35

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

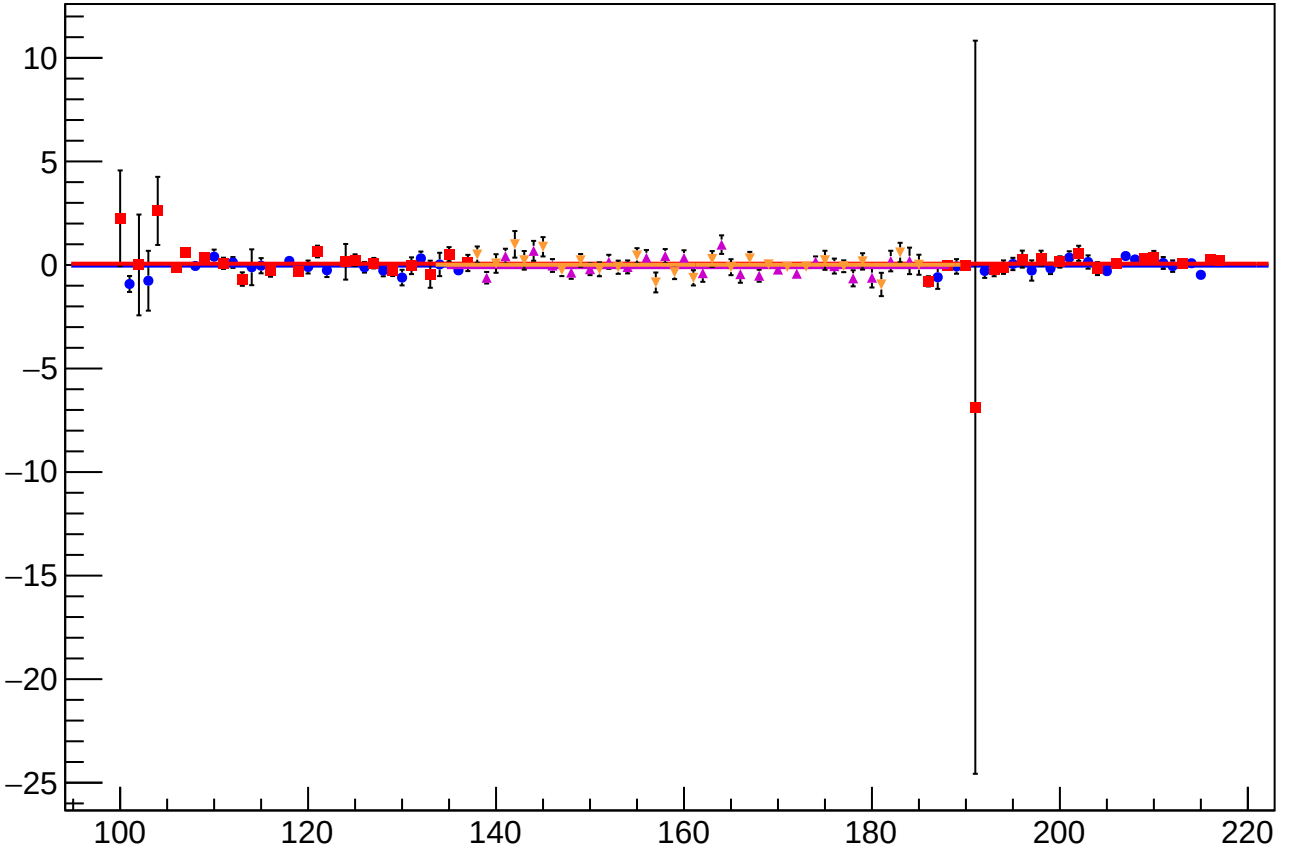
Right: 190.088+/-0.024 χ^2/NDF: 8937275.7/66

In: 228.596+/-0.029 χ^2/NDF:6444613.5/53

Out: 210.919+/-0.026 χ^2/NDF:11318694.9/60

All: 219.094+/-0.019 χ^2/NDF: 17969953.2/11

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: 0.062+/-0.045 χ^2/NDF: 49.8/35

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

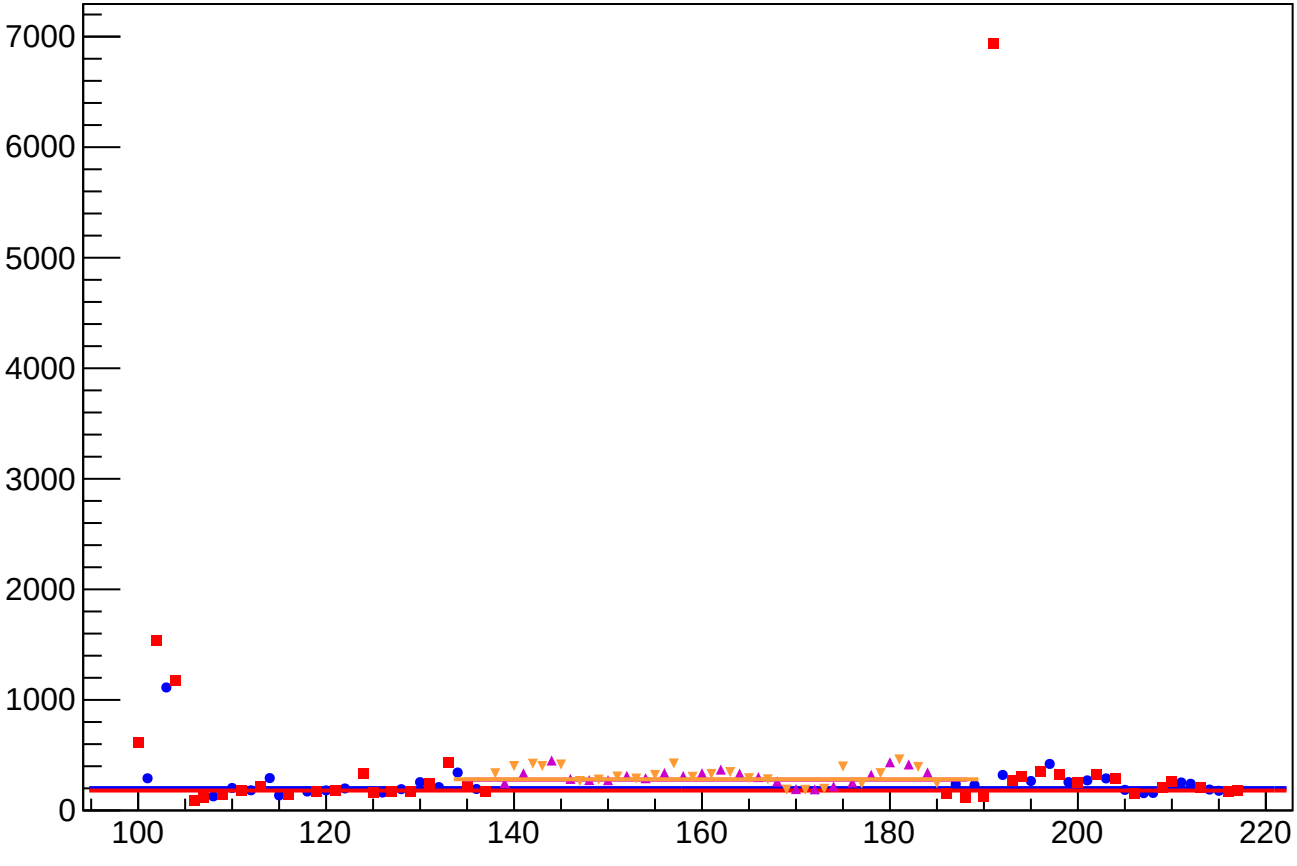
Right: 0.021+/-0.033 χ^2/NDF: 87.8/66

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.047+/-0.037 χ^2/NDF:75.4/60

All: -0.001+/-0.027 χ^2/NDF: 147.2/114

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: 180.231+/-0.032 χ^2/NDF: 5686696.5/35

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

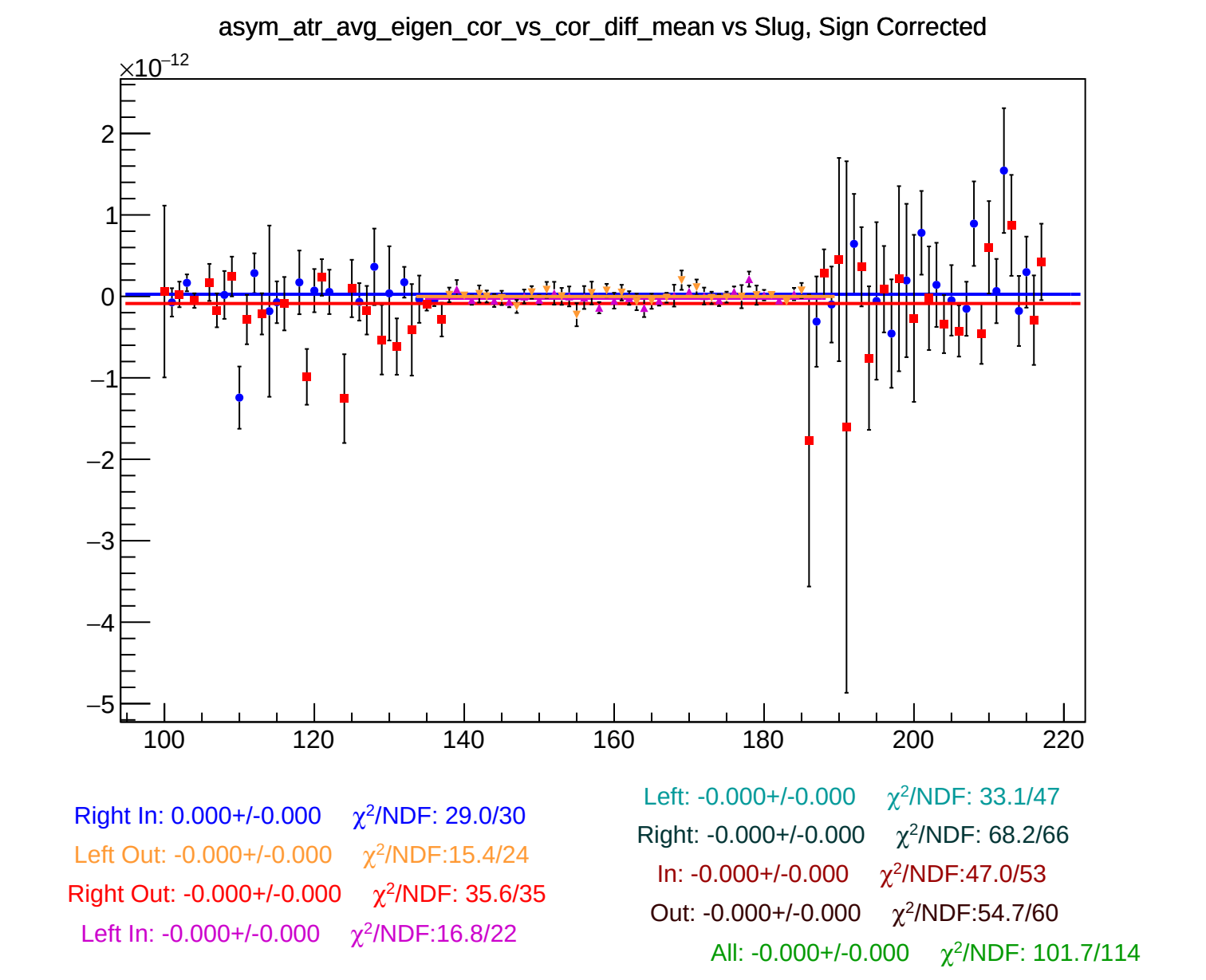
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

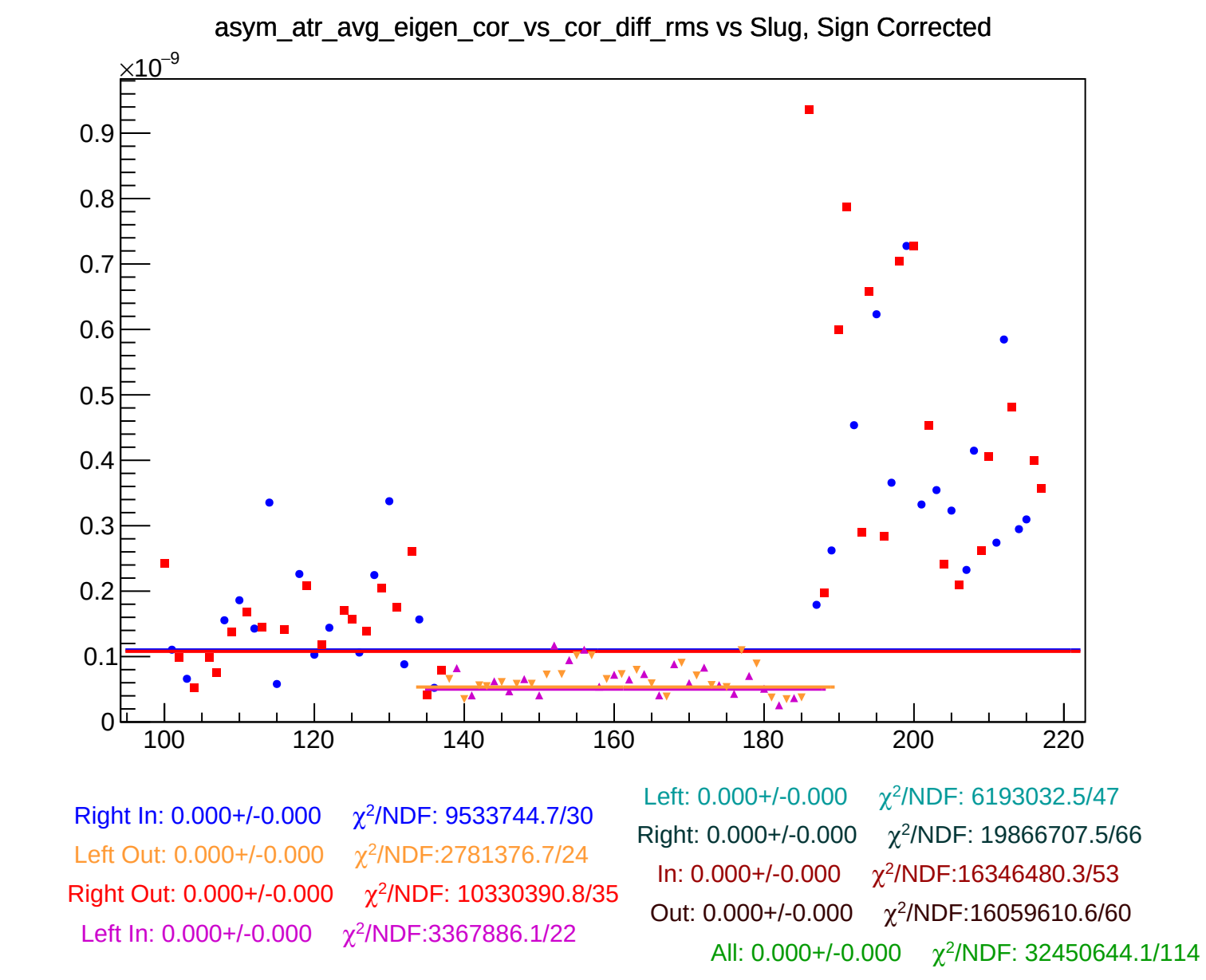
Right: 190.088+/-0.024 χ^2/NDF: 8937275.7/66

In: 228.596+/-0.029 χ^2/NDF:6444613.5/53

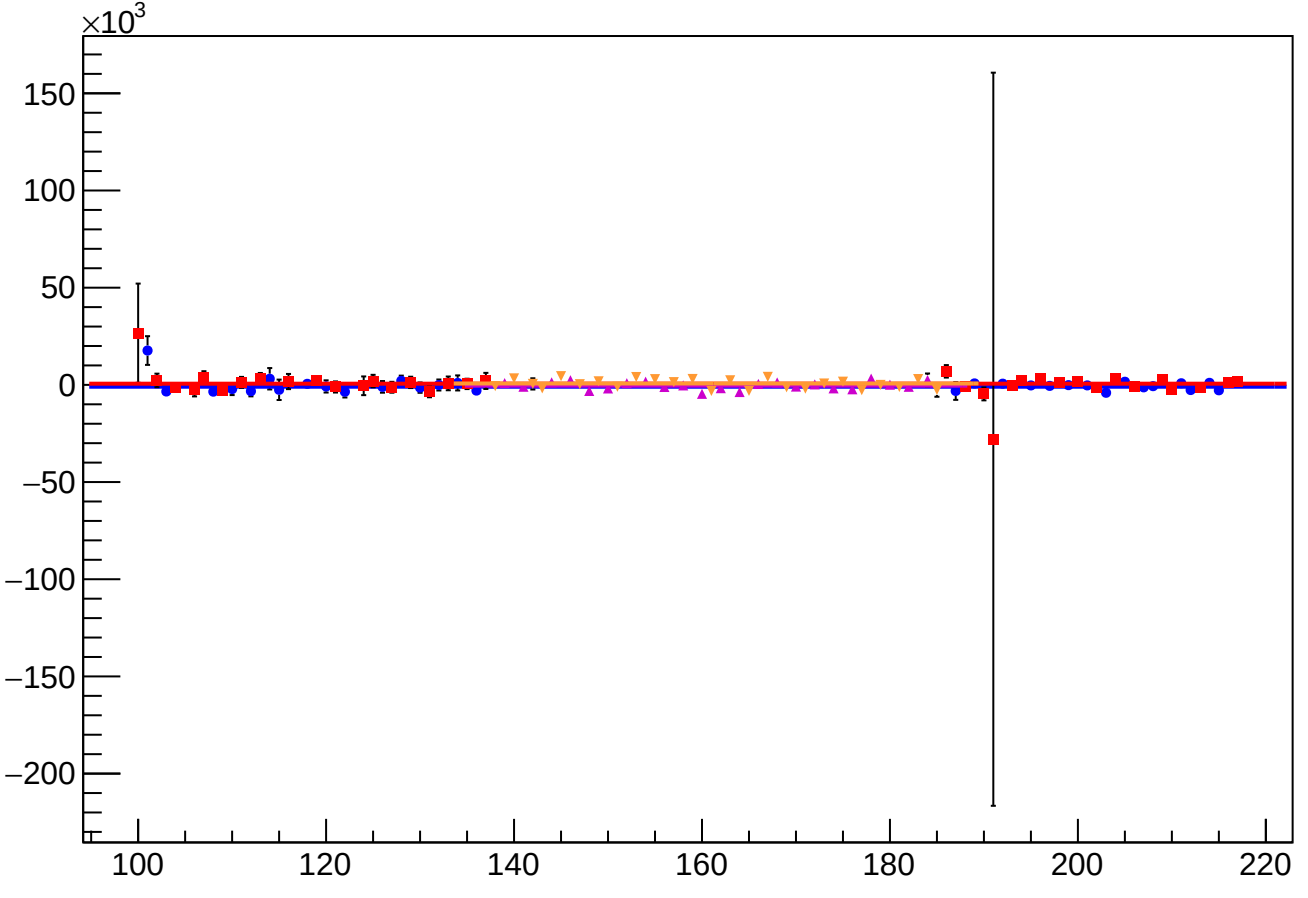
Out: 210.919+/-0.026 χ^2/NDF:11318694.9/60

All: 219.094+/-0.019 χ^2/NDF: 17969953.2/11


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 29.0/30
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.6/35
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 68.2/66
In: -0.000+/-0.000 χ²/NDF:47.0/53
Out: -0.000+/-0.000 χ²/NDF:54.7/60
All: -0.000+/-0.000 χ²/NDF: 101.7/114


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: 10330390.8/35
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: 19866707.5/66
In: 0.000+/-0.000 χ²/NDF:16346480.3/53
Out: 0.000+/-0.000 χ²/NDF:16059610.6/60
All: 0.000+/-0.000 χ²/NDF: 32450644.1/114

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: 604.122+/-430.660 χ^2/NDF: 27.0/35

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

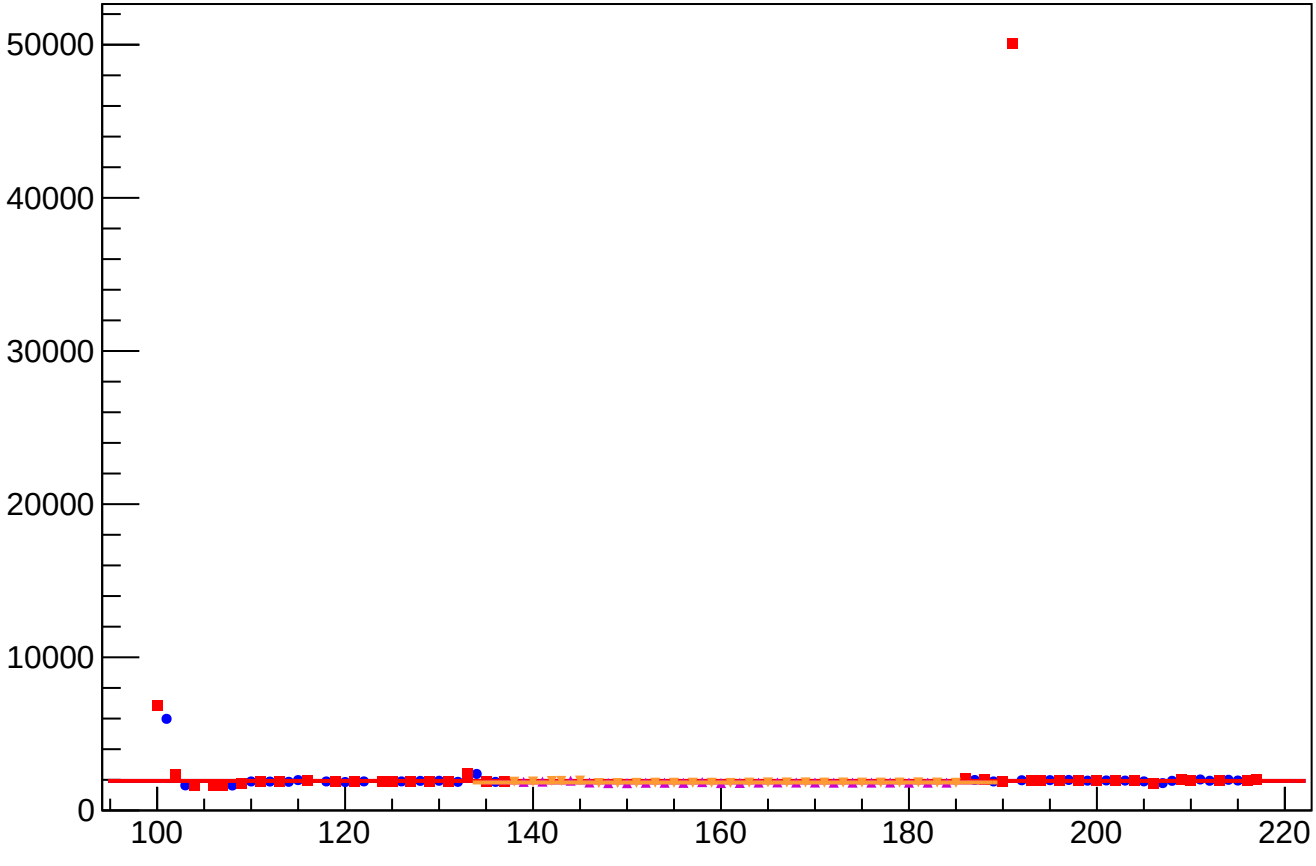
Right: -152.477+/-308.693 χ^2/NDF: 55.8/66

In: -667.156+/-307.044 χ^2/NDF:44.0/53

Out: 656.766+/-298.975 χ^2/NDF:58.9/60

All: 12.429+/-214.203 χ^2/NDF: 112.5/114

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: 1928.084+/-0.304 χ^2/NDF: 395413.8/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

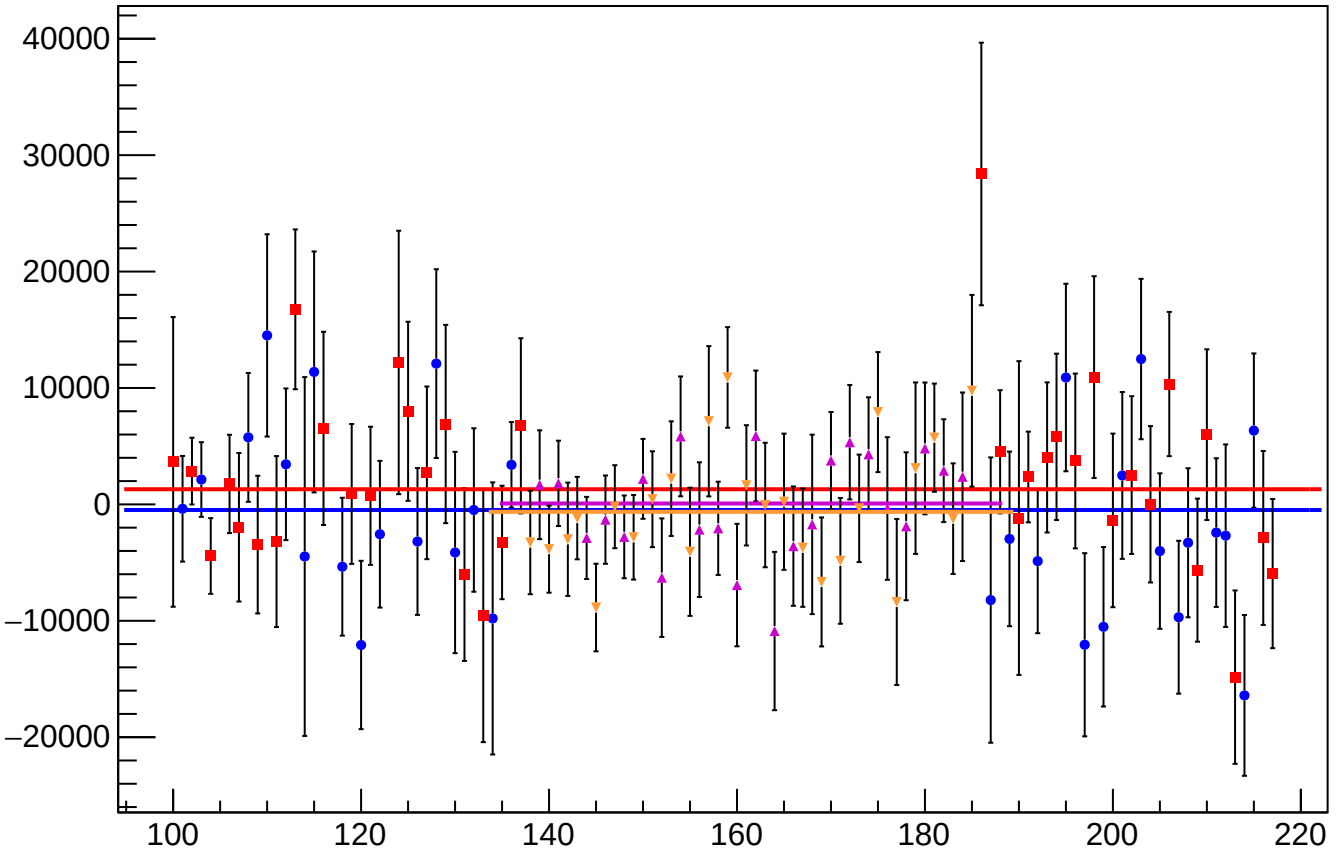
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1927.356+/-0.218 χ^2/NDF: 1119406.6/66

In: 1873.950+/-0.217 χ^2/NDF:791815.4/53

Out: 1876.425+/-0.211 χ^2/NDF:470503.2/60

All: 1875.221+/-0.151 χ^2/NDF: 1262385.3/11



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: 1301.327+/-1016.347 χ^2/NDF: 34.2/35

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

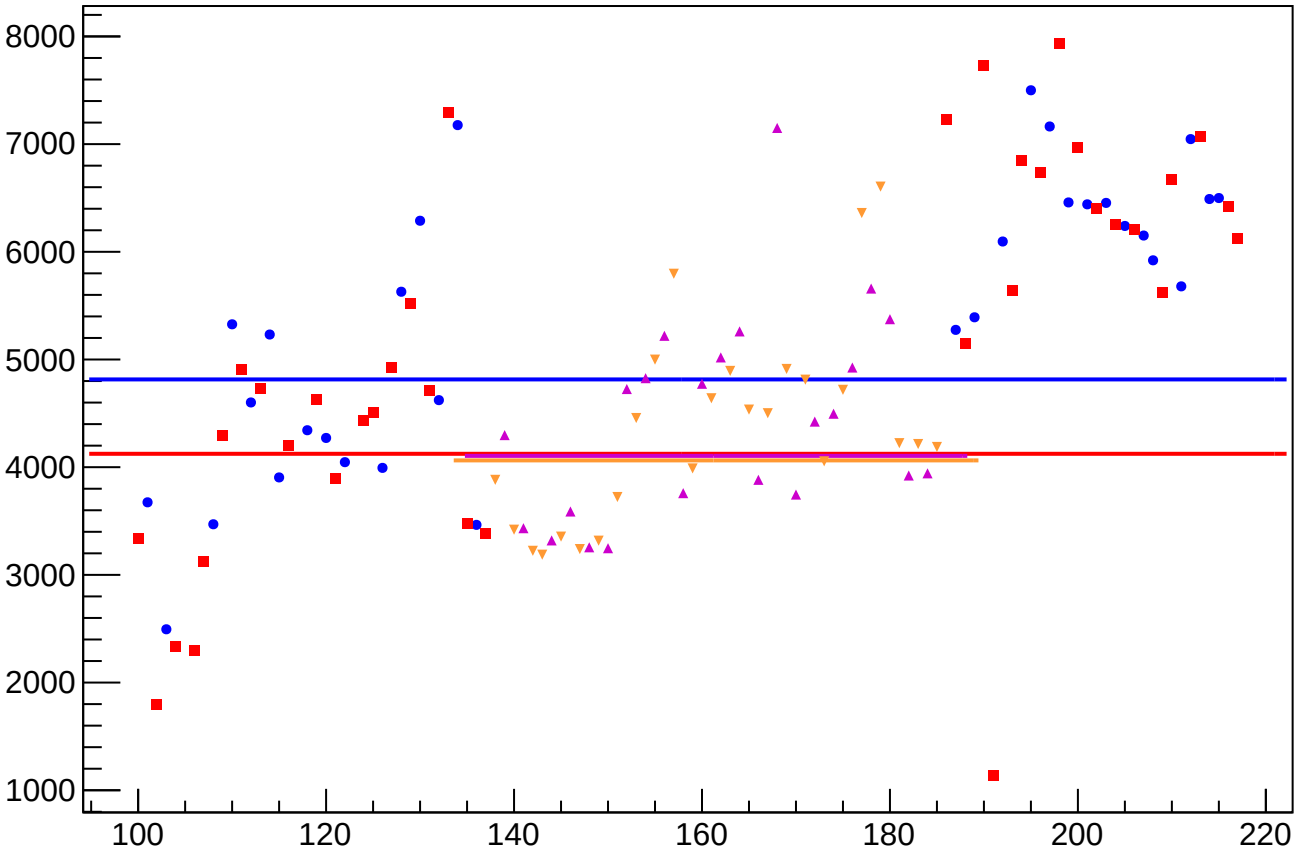
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 519.799+/-761.697 χ^2/NDF: 70.1/66

In: -158.683+/-746.140 χ^2/NDF:50.1/53

Out: 263.272+/-692.798 χ^2/NDF:62.1/60

All: 67.915+/-507.693 χ^2/NDF: 112.4/114



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: 4124.348+/-0.719 χ^2/NDF: 7305007.4/35

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

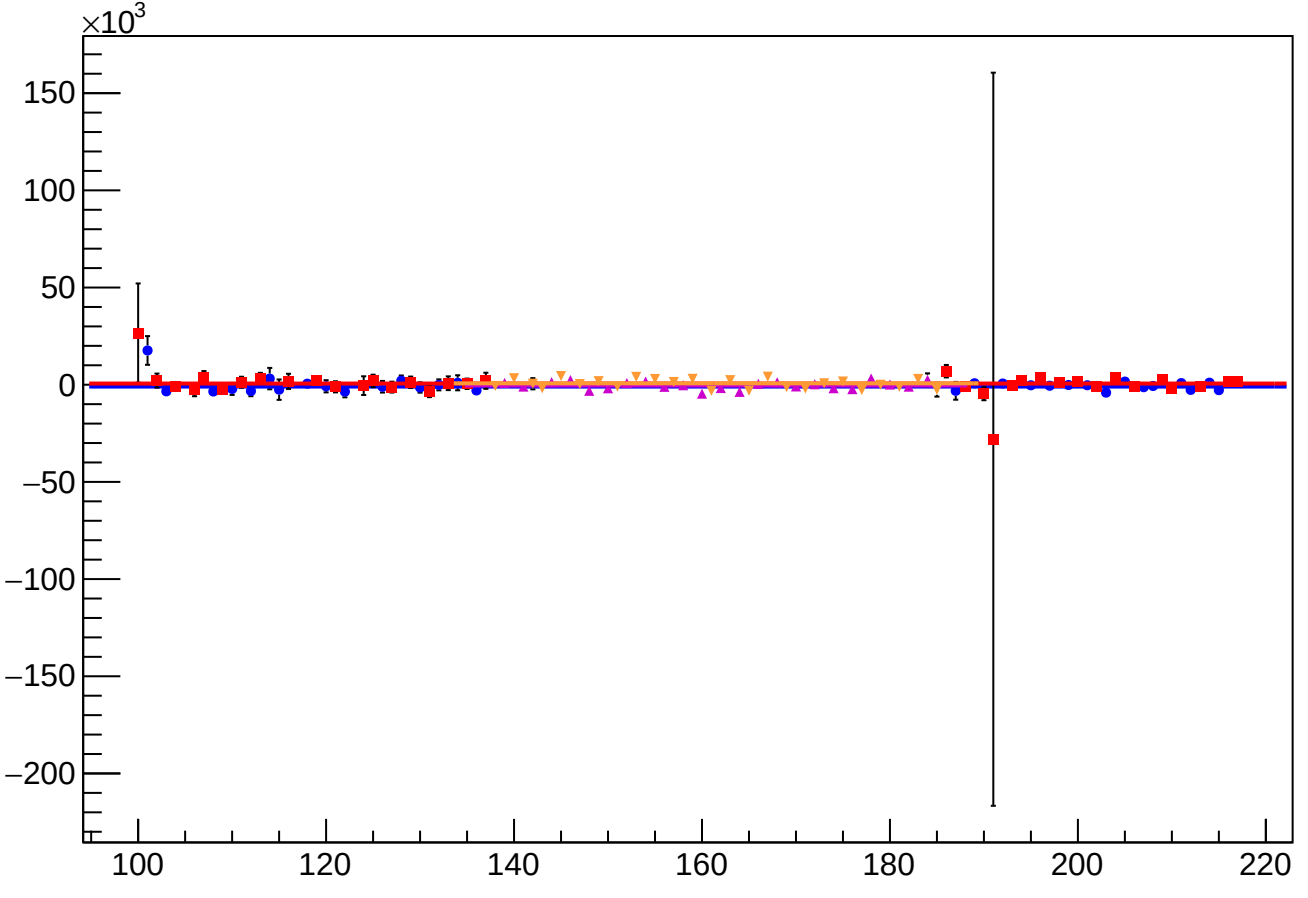
Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

Right: 4427.079+/-0.539 χ^2/NDF: 11057201.1/66

In: 4403.662+/-0.528 χ^2/NDF:5148113.2/53

Out: 4091.563+/-0.490 χ^2/NDF:8713930.8/60

All: 4236.059+/-0.359 χ^2/NDF: 14049959.8/1



Right In: -952.182+/-442.705 χ^2/NDF: 22.5/30

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 600.452+/-430.878 χ^2/NDF: 26.9/35

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

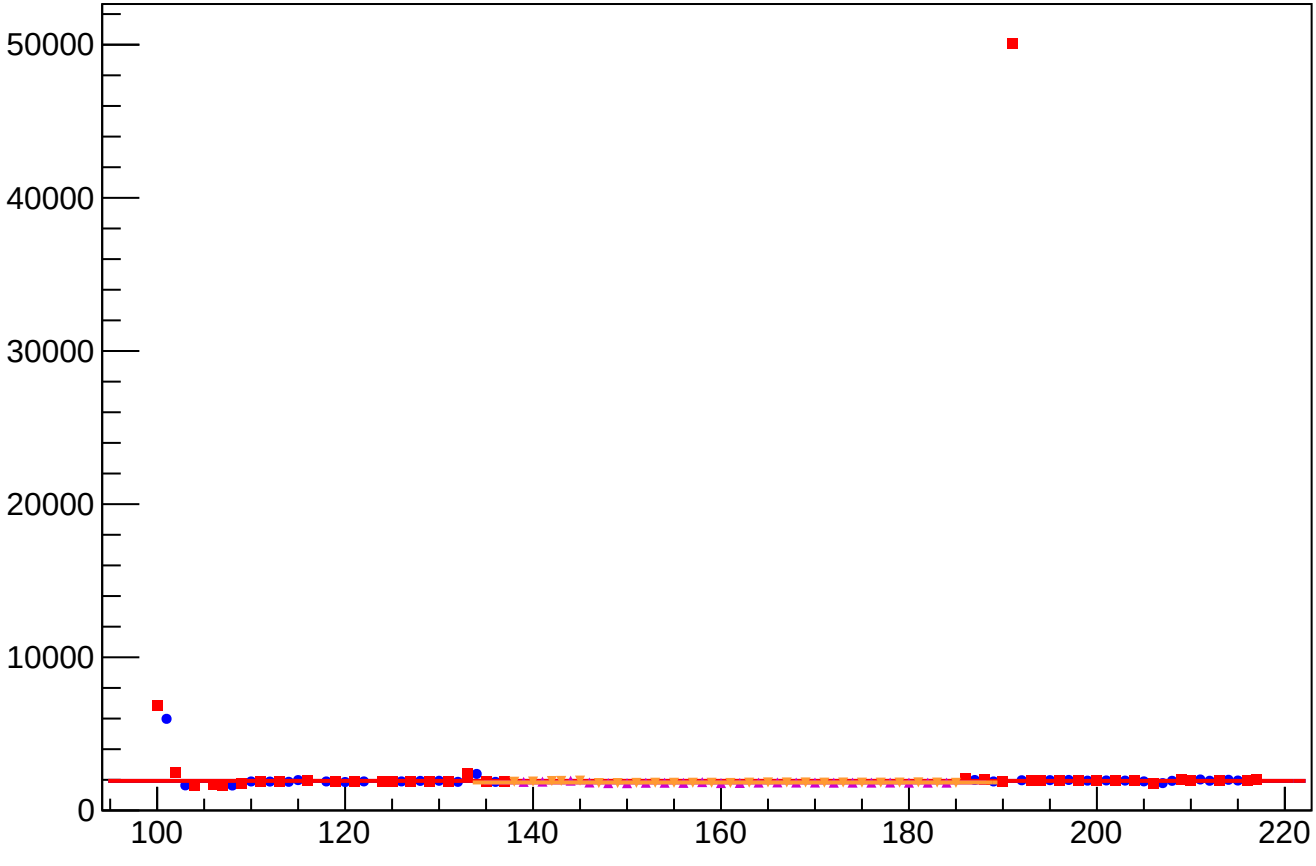
Right: -154.847+/-308.773 χ^2/NDF: 55.7/66

In: -667.162+/-307.044 χ^2/NDF:44.0/53

Out: 655.054+/-299.048 χ^2/NDF:58.9/60

All: 11.386+/-214.230 χ^2/NDF: 112.4/114

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: 1930.751+/-0.304 χ^2/NDF: 401406.0/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

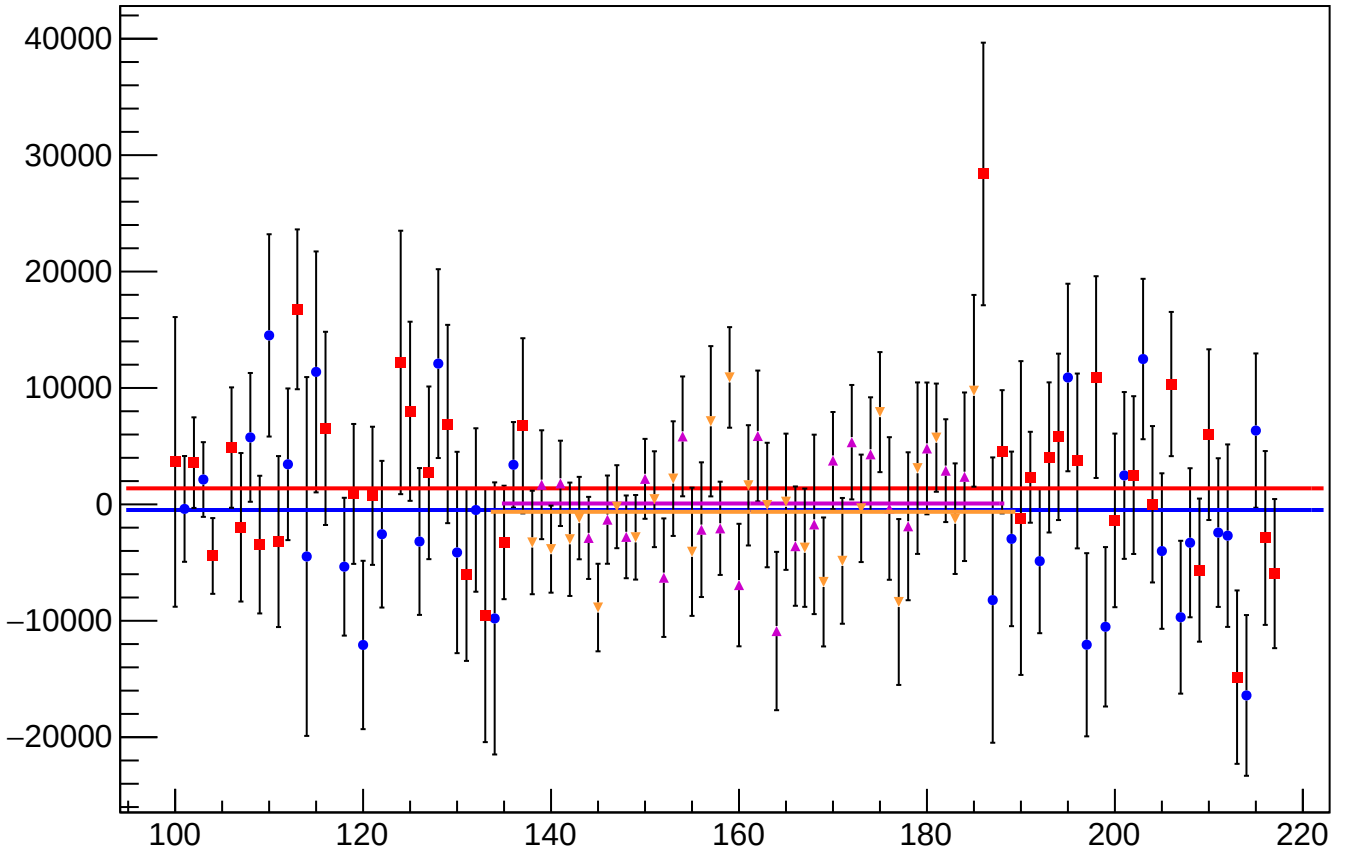
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1928.726+/-0.218 χ^2/NDF: 1125478.2/66

In: 1873.950+/-0.217 χ^2/NDF:791815.5/53

Out: 1877.651+/-0.211 χ^2/NDF:479442.0/60

All: 1875.850+/-0.151 χ^2/NDF: 1271406.6/11



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: 1377.534+/-1057.846 χ^2/NDF: 34.7/35

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

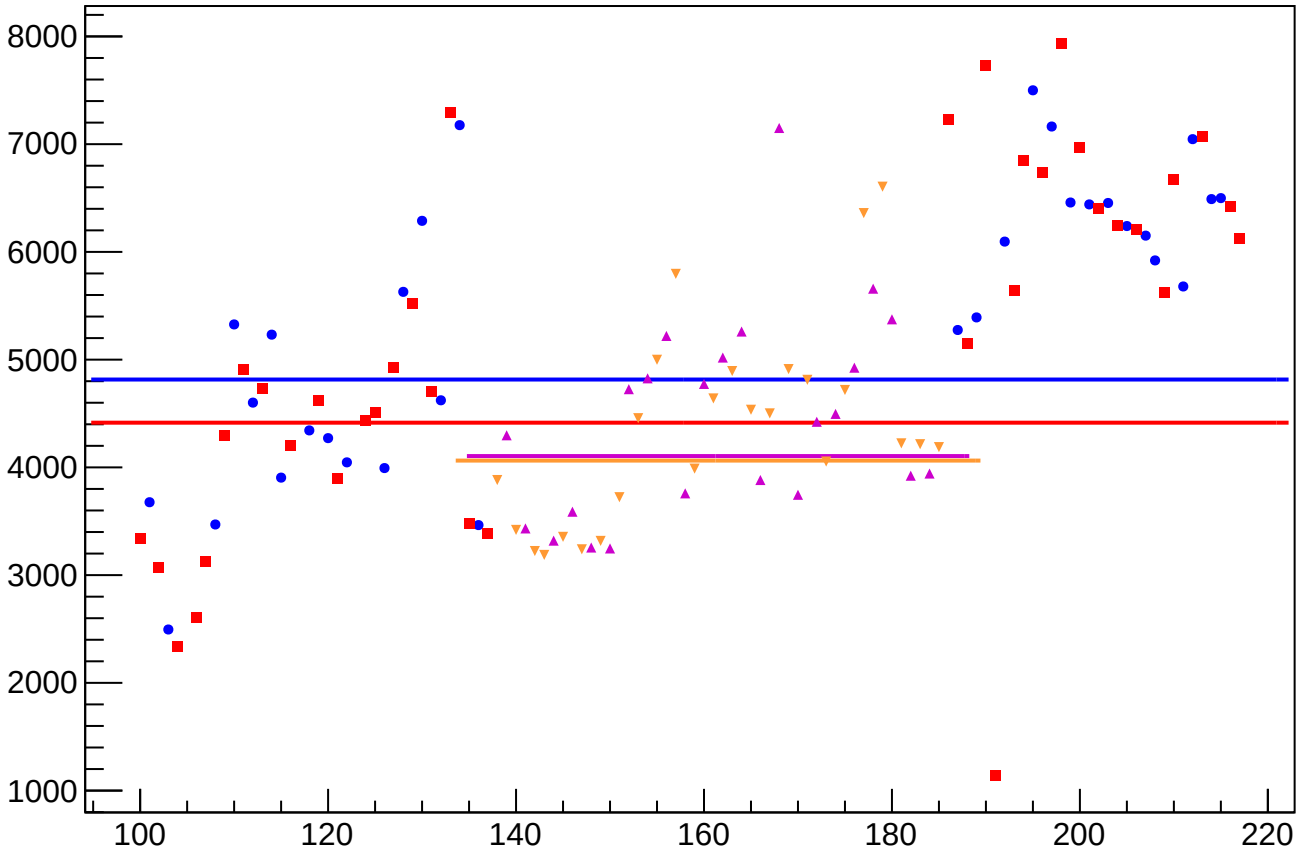
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 525.413+/-778.730 χ^2/NDF: 70.7/66

In: -159.068+/-746.161 χ^2/NDF:50.1/53

Out: 258.684+/-705.520 χ^2/NDF:62.7/60

All: 61.494+/-512.644 χ^2/NDF: 113.0/114



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: 4414.929+/-0.748 χ^2/NDF: 5776699.5/35

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

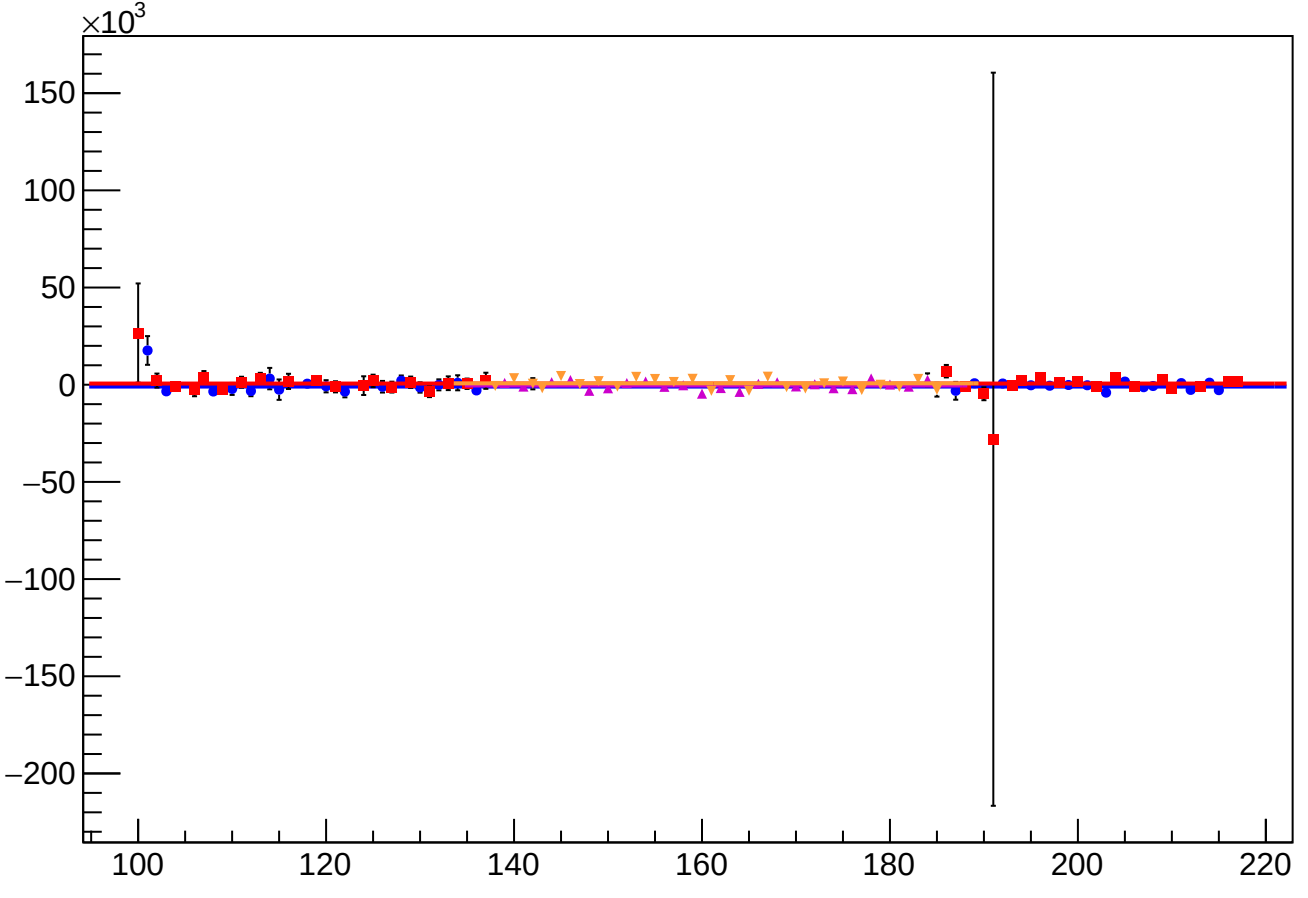
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4598.402+/-0.551 χ^2/NDF: 9253792.4/66

In: 4403.824+/-0.528 χ^2/NDF:5147043.0/53

Out: 4219.600+/-0.499 χ^2/NDF:7304552.1/60

All: 4306.559+/-0.362 χ^2/NDF: 12515963.2/1



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: 600.452+/-430.878 χ^2/NDF: 26.9/35

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

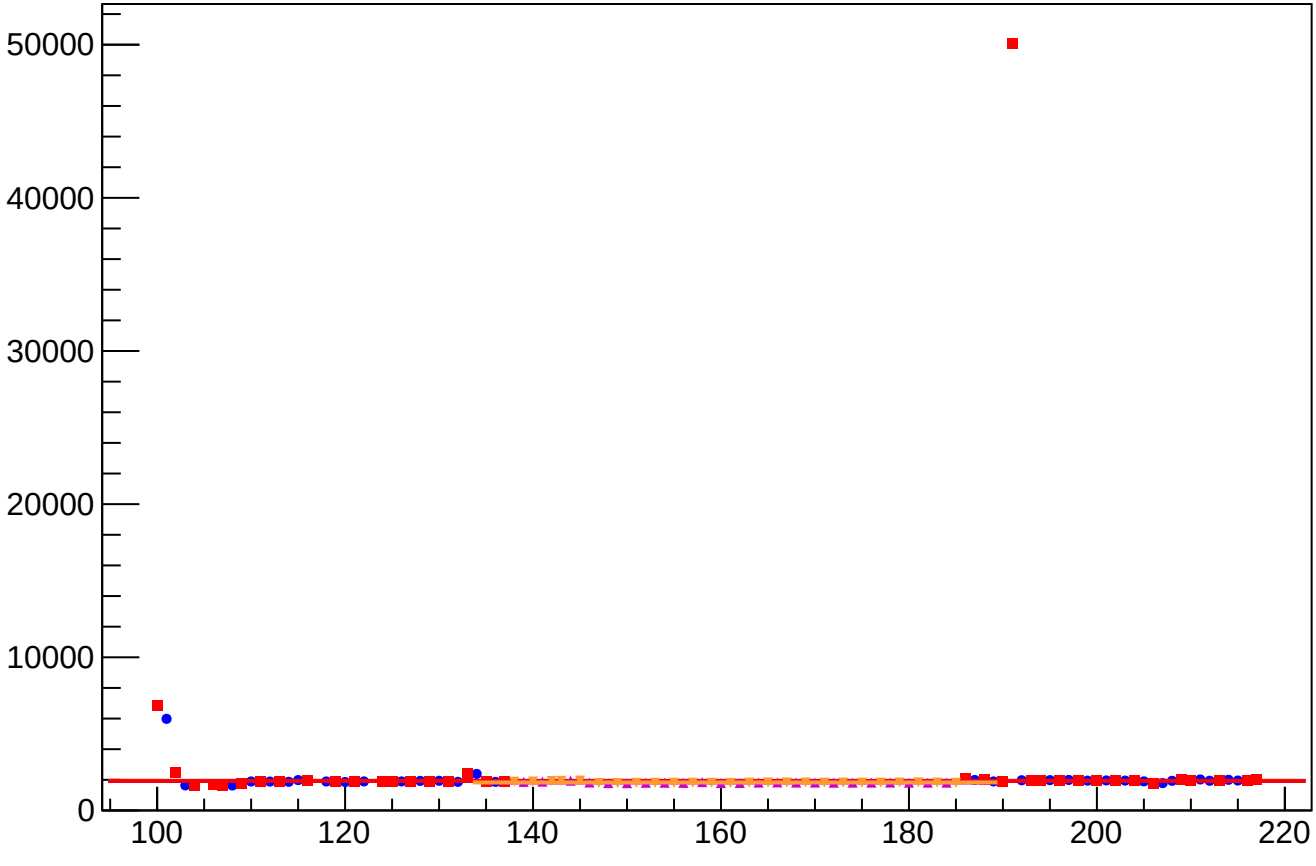
Right: -154.847+/-308.773 χ^2/NDF: 55.7/66

In: -667.162+/-307.044 χ^2/NDF:44.0/53

Out: 655.054+/-299.048 χ^2/NDF:58.9/60

All: 11.386+/-214.230 χ^2/NDF: 112.4/114

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.585+/-0.313 χ^2/NDF: 723981.2/30

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1930.751+/-0.304 χ^2/NDF: 401406.0/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

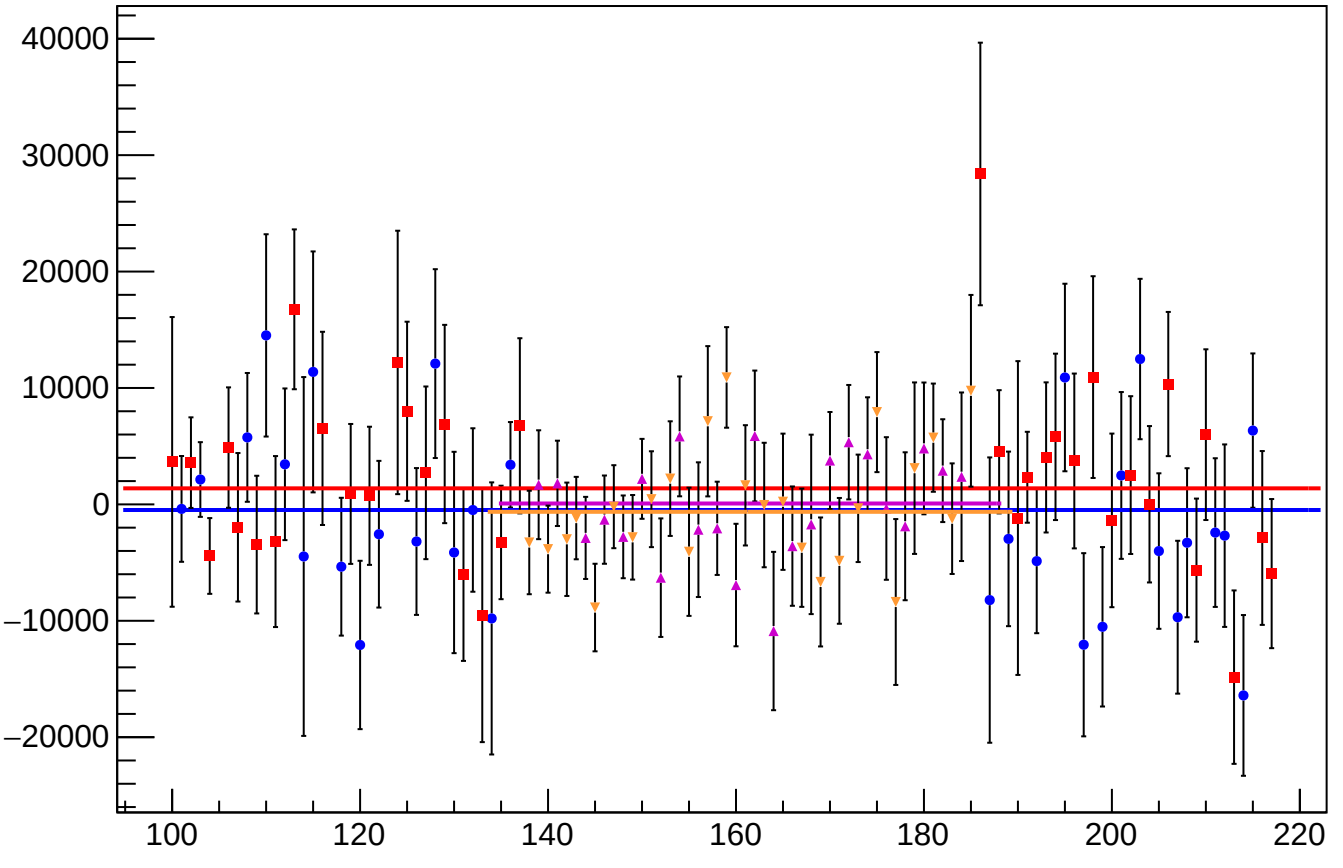
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1928.726+/-0.218 χ^2/NDF: 1125478.2/66

In: 1873.950+/-0.217 χ^2/NDF:791815.5/53

Out: 1877.651+/-0.211 χ^2/NDF:479442.0/60

All: 1875.850+/-0.151 χ^2/NDF: 1271406.6/11



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: 1377.534+/-1057.846 χ^2/NDF: 34.7/35

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

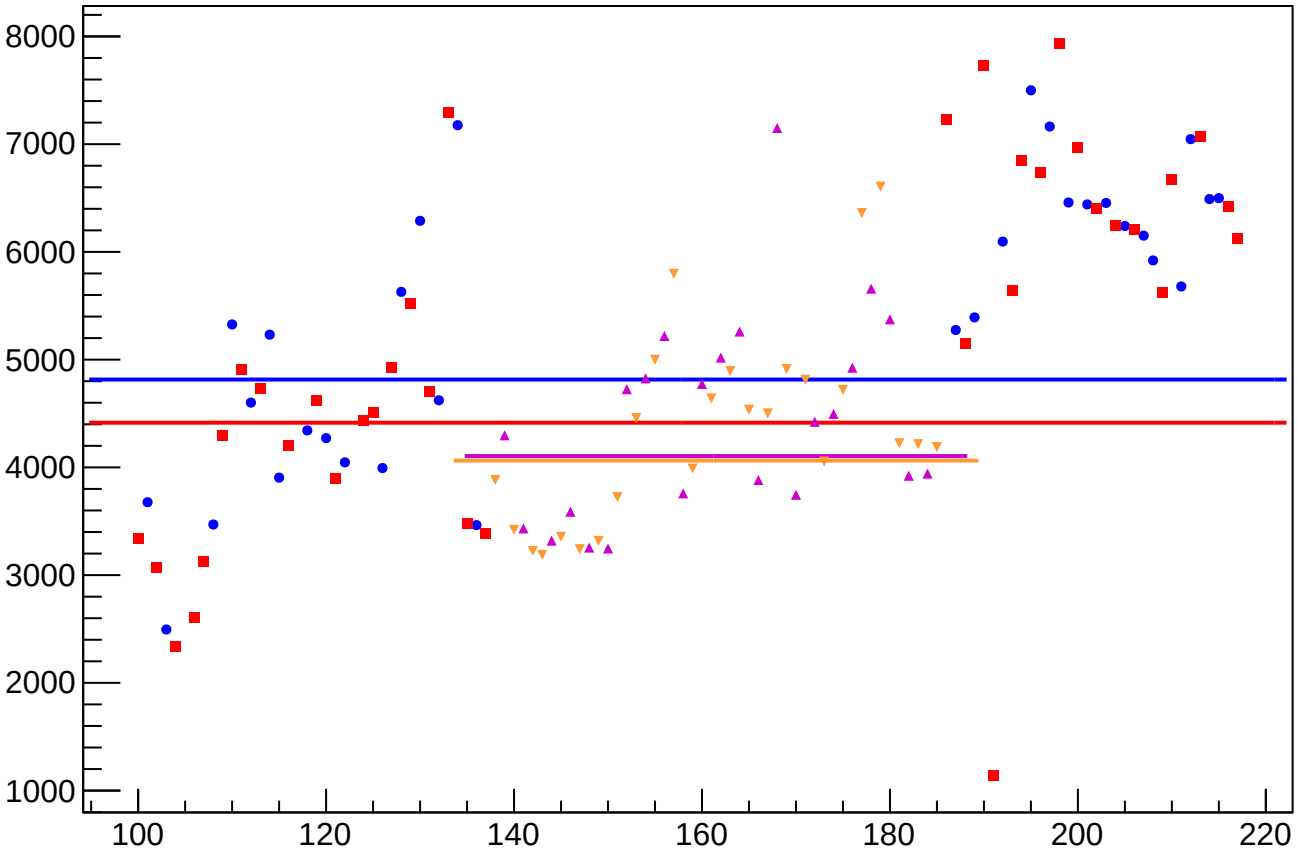
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 525.413+/-778.730 χ^2/NDF: 70.7/66

In: -159.068+/-746.161 χ^2/NDF:50.1/53

Out: 258.684+/-705.520 χ^2/NDF:62.7/60

All: 61.494+/-512.644 χ^2/NDF: 113.0/114



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: 4414.929+/-0.748 χ^2/NDF: 5776699.5/35

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

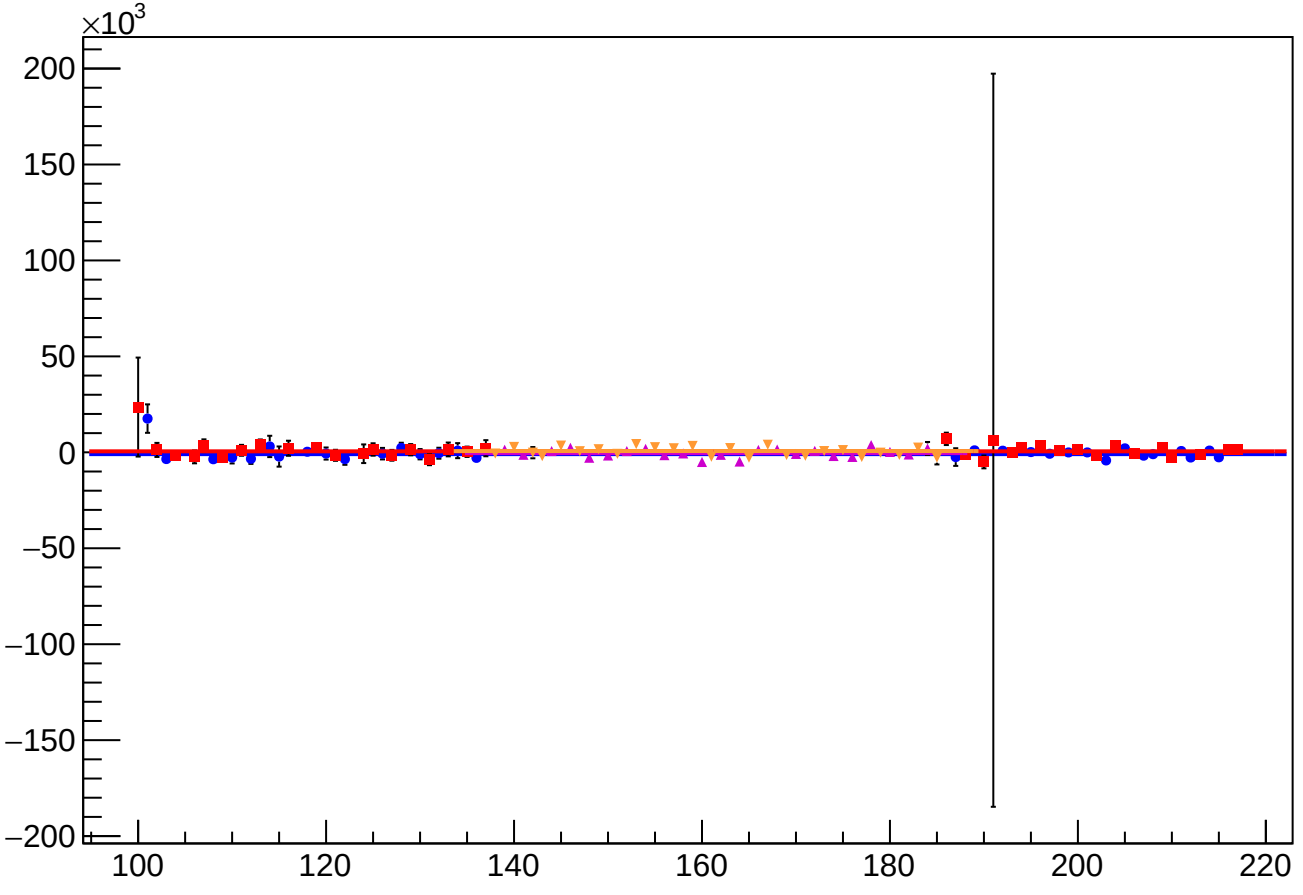
Right: 4598.402+/-0.551 χ^2/NDF: 9253792.4/66

In: 4403.824+/-0.528 χ^2/NDF:5147043.0/53

Out: 4219.600+/-0.499 χ^2/NDF:7304552.1/60

All: 4306.559+/-0.362 χ^2/NDF: 12515963.2/1

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: 517.892+/-434.519 χ^2/NDF: 29.0/35

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

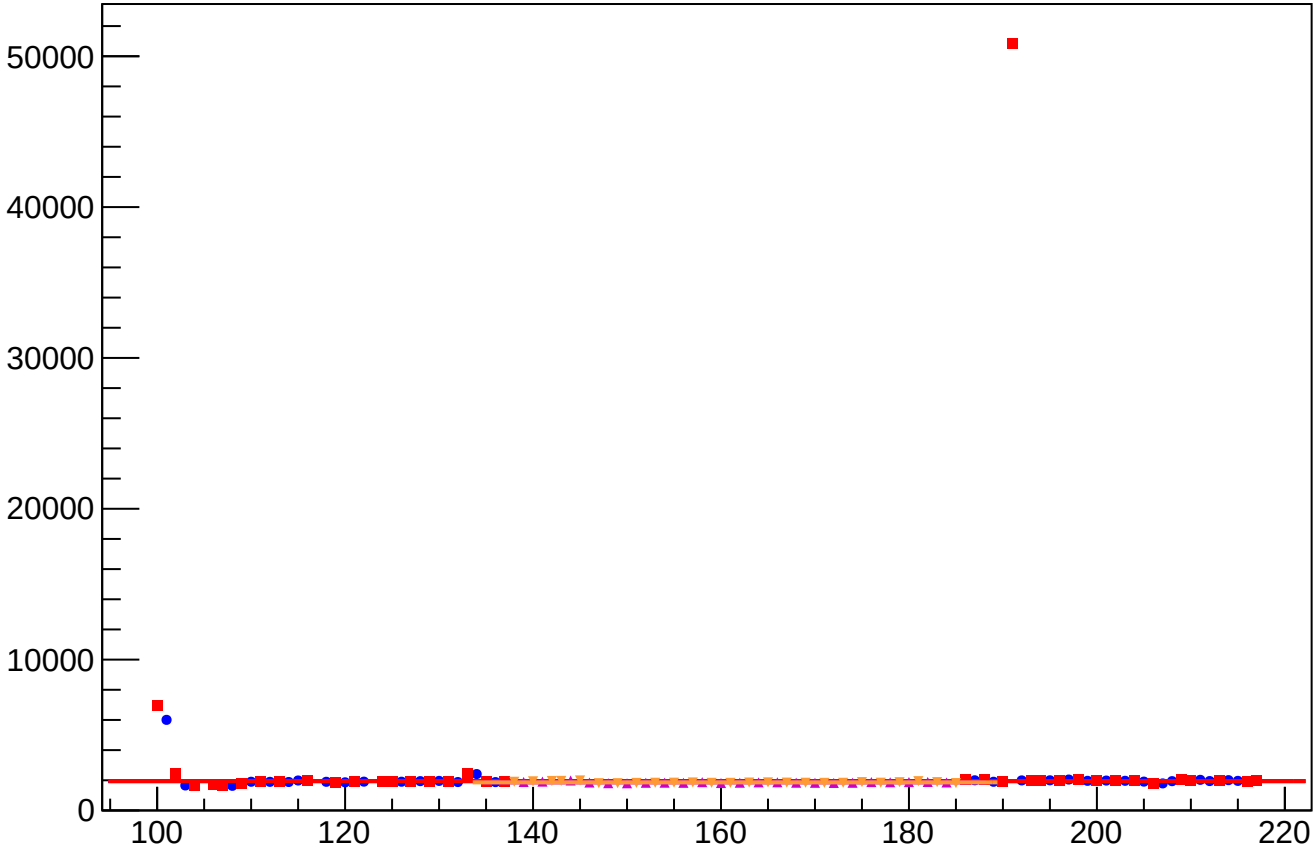
Right: -191.956+/-311.267 χ^2/NDF: 58.1/66

In: -668.151+/-311.023 χ^2/NDF:47.9/53

Out: 589.620+/-303.120 χ^2/NDF:56.1/60

All: -23.083+/-217.078 χ^2/NDF: 112.5/114

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: 1946.624+/-0.307 χ^2/NDF: 409172.7/35

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

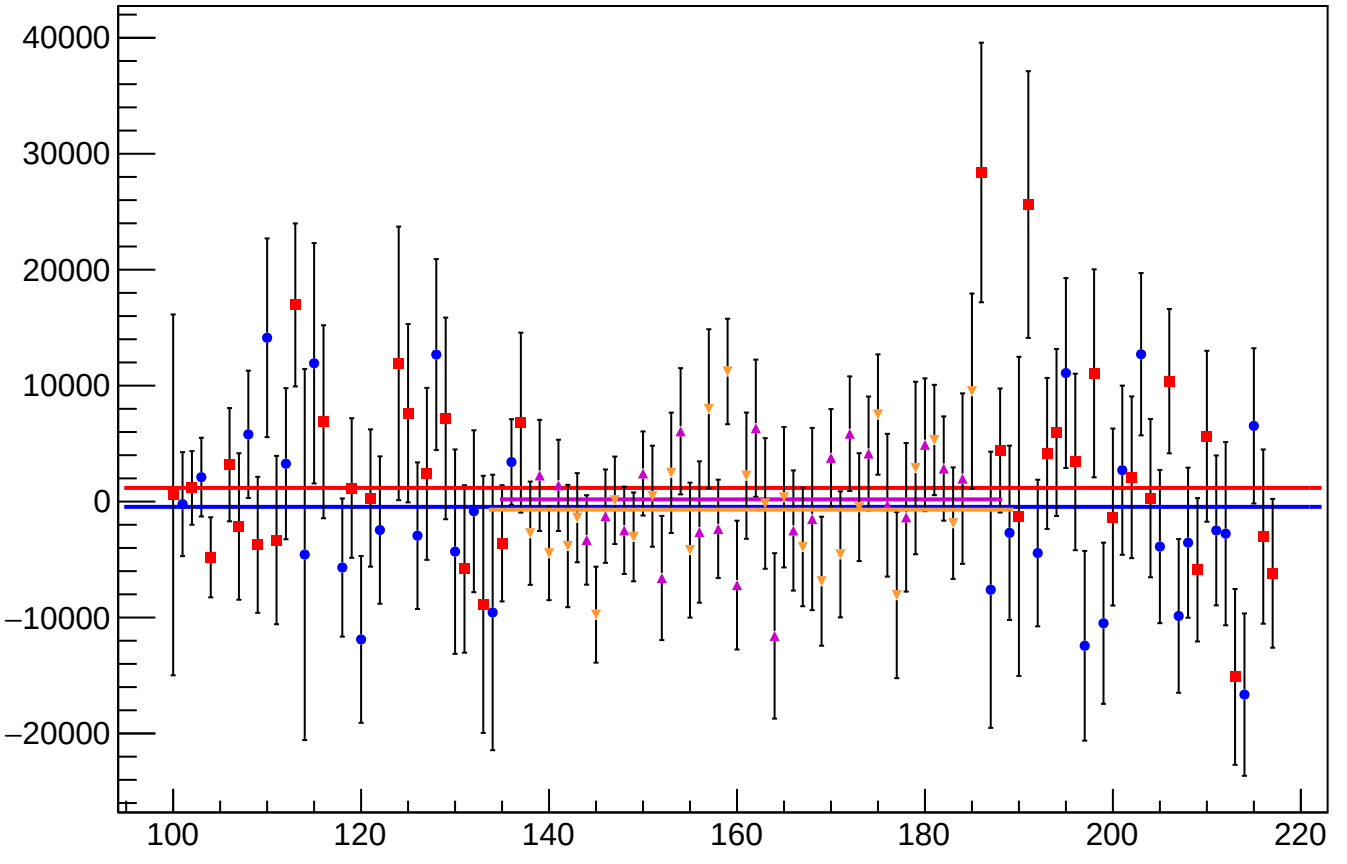
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1944.008+/-0.220 χ^2/NDF: 1135761.6/66

In: 1898.291+/-0.220 χ^2/NDF:778906.2/53

Out: 1903.061+/-0.214 χ^2/NDF:474394.1/60

All: 1900.738+/-0.153 χ^2/NDF: 1253541.5/11



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: 1179.334+/-1085.025 χ^2/NDF: 38.3/35

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

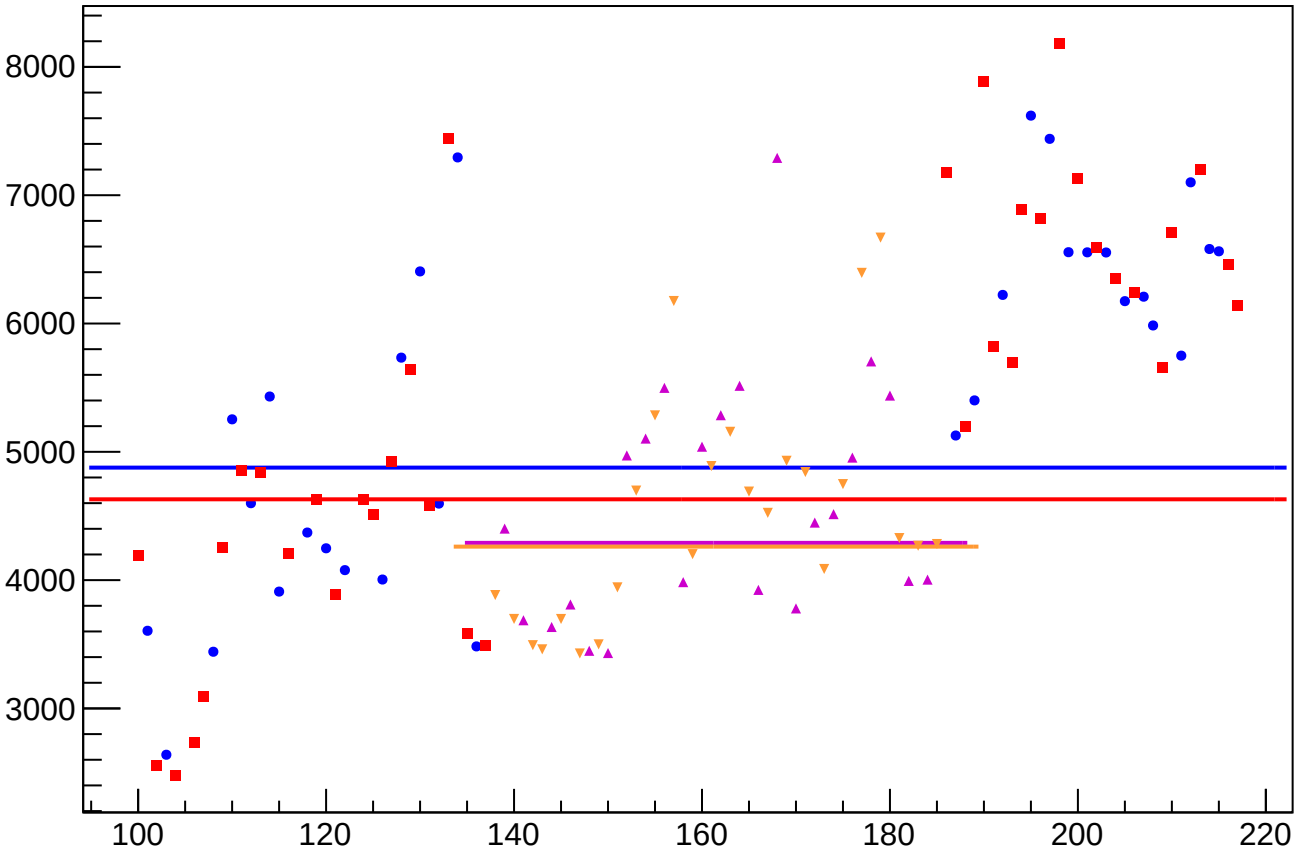
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 419.724+/-793.821 χ^2/NDF: 73.8/66

In: -89.466+/-768.314 χ^2/NDF:49.8/53

Out: 154.752+/-731.341 χ^2/NDF:65.3/60

All: 38.660+/-529.725 χ^2/NDF: 115.1/114



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: 4629.922+/-0.767 χ^2/NDF: 4688134.9/35

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

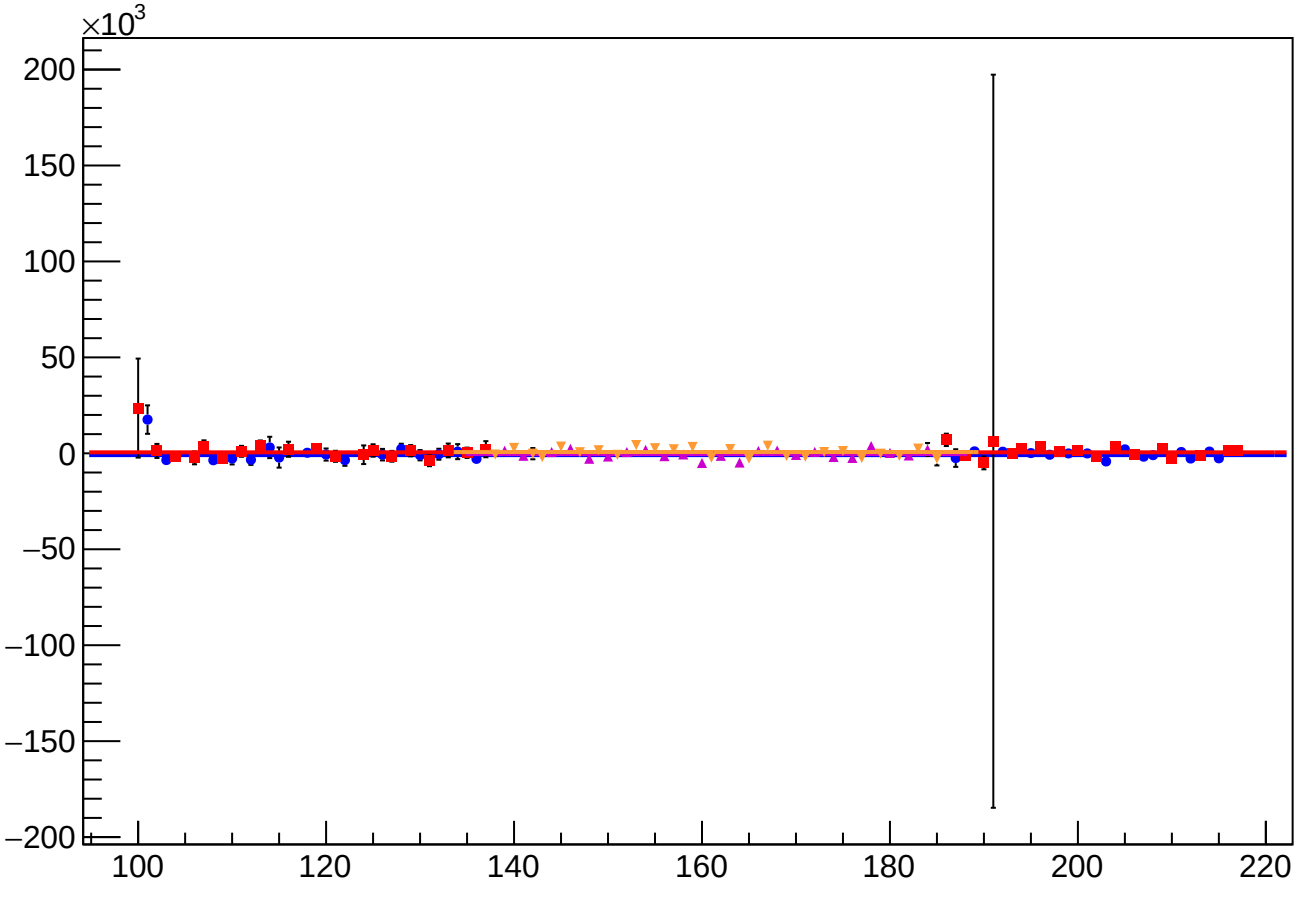
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4744.736+/-0.561 χ^2/NDF: 7997609.7/66

In: 4545.765+/-0.543 χ^2/NDF:4761813.4/53

Out: 4428.676+/-0.517 χ^2/NDF:6004782.0/60

All: 4484.335+/-0.375 χ^2/NDF: 10790965.0/1



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: 517.888+/-434.519 χ^2/NDF: 29.0/35

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

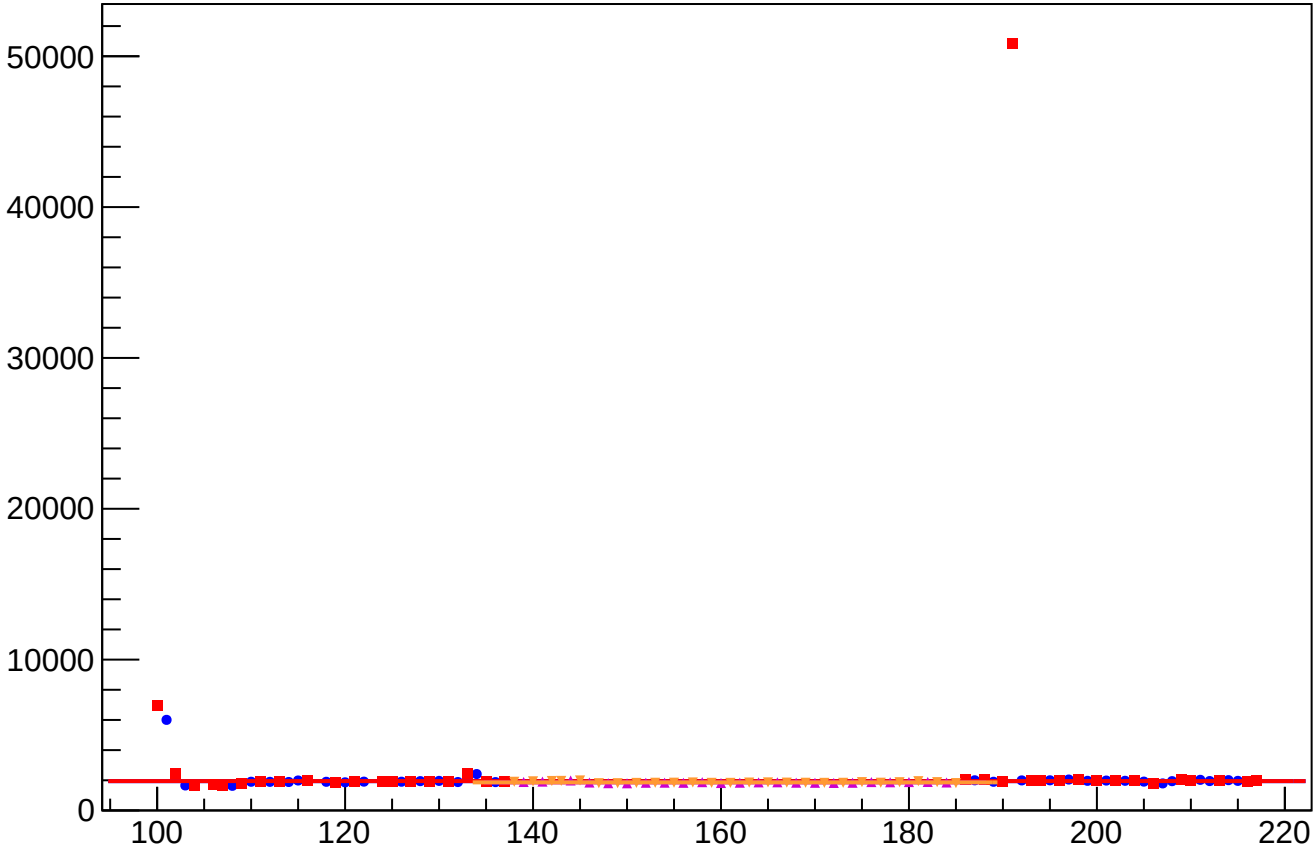
Right: -191.957+/-311.267 χ^2/NDF: 58.1/66

In: -668.149+/-311.023 χ^2/NDF:47.9/53

Out: 589.621+/-303.120 χ^2/NDF:56.1/60

All: -23.081+/-217.078 χ^2/NDF: 112.5/114

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



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: 1946.624+/-0.307 χ^2/NDF: 409172.9/35

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

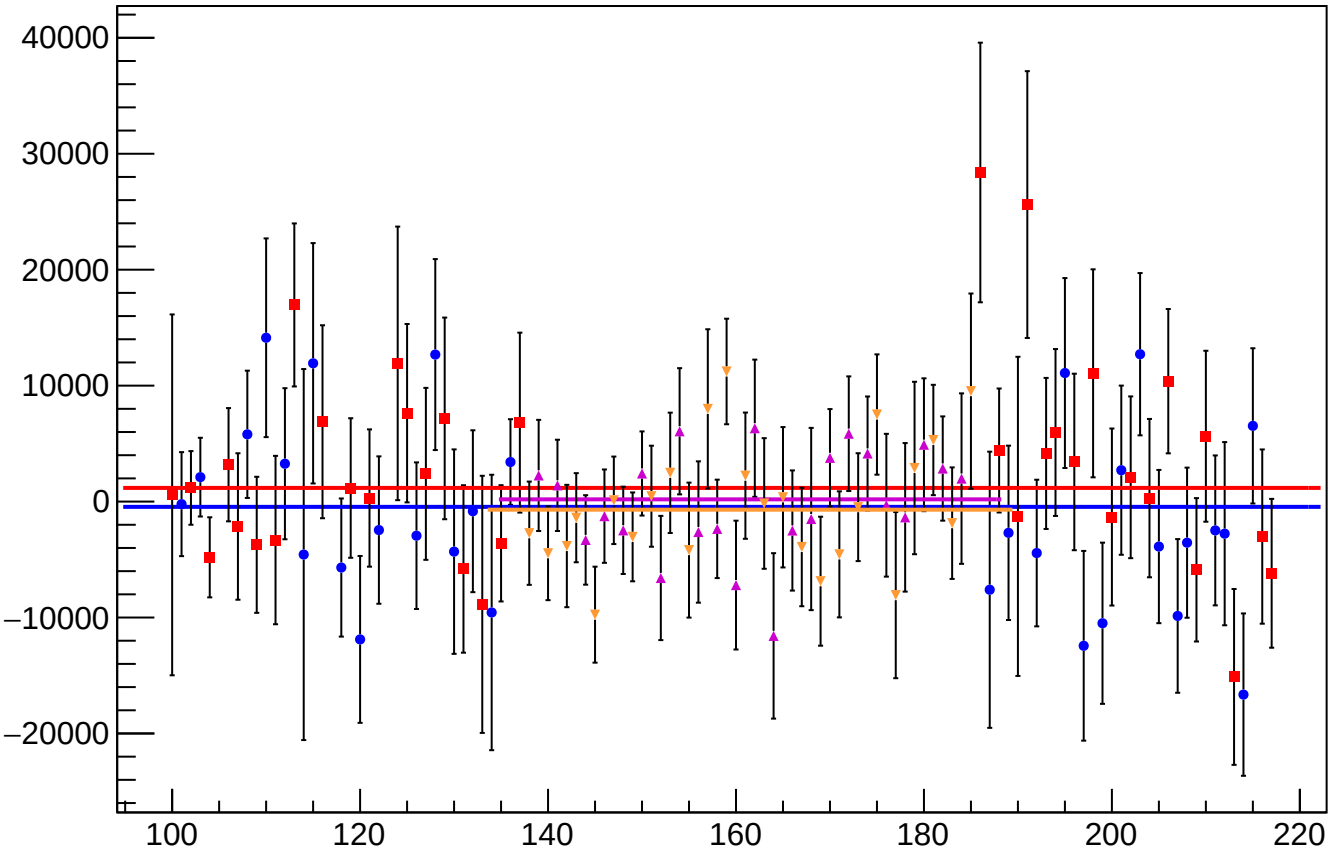
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1944.008+/-0.220 χ^2/NDF: 1135761.6/66

In: 1898.292+/-0.220 χ^2/NDF:778905.4/53

Out: 1903.061+/-0.214 χ^2/NDF:474393.8/60

All: 1900.738+/-0.153 χ^2/NDF: 1253540.5/11



Right In: -455.161+/-1164.443 χ^2/NDF: 34.5/30

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1179.331+/-1085.024 χ^2/NDF: 38.3/35

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

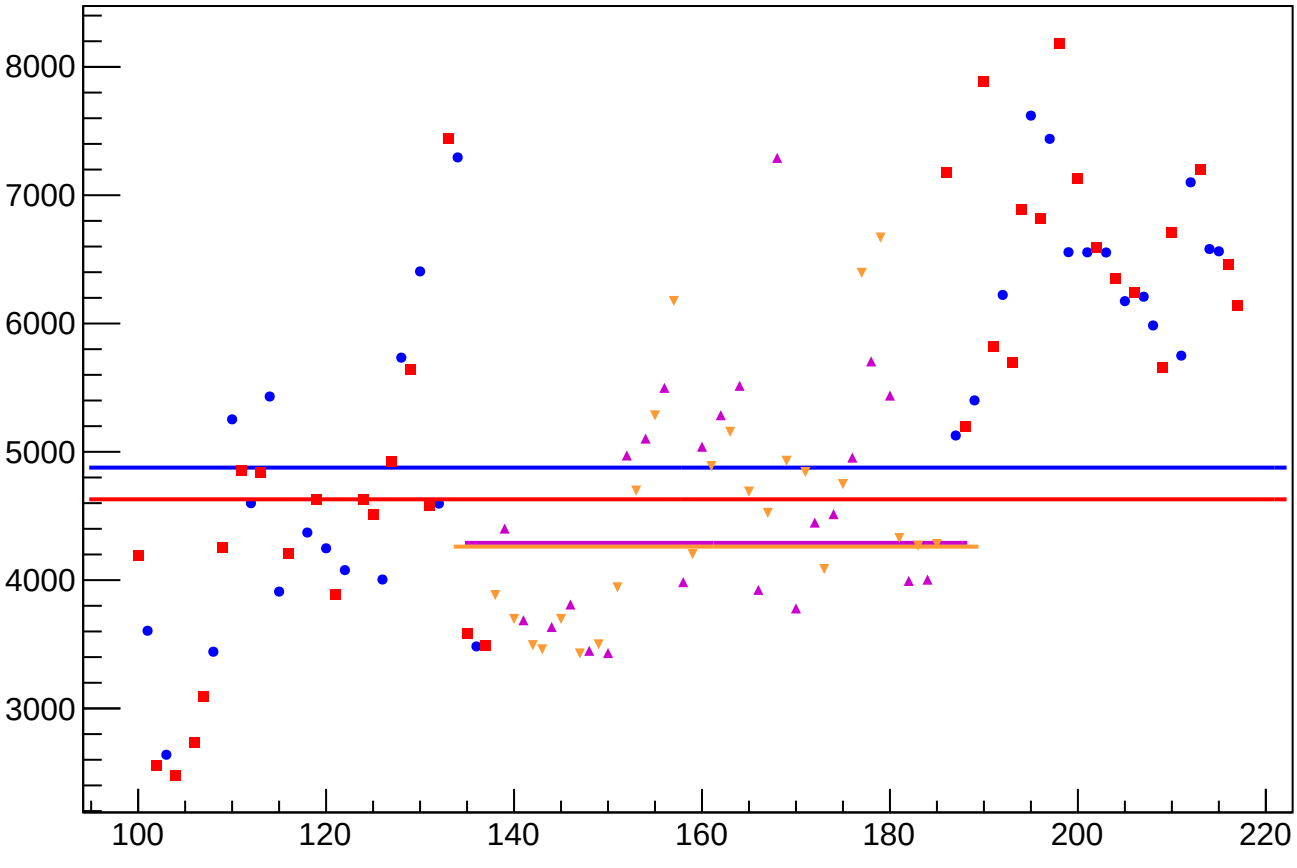
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 419.720+/-793.821 χ^2/NDF: 73.8/66

In: -89.468+/-768.315 χ^2/NDF:49.8/53

Out: 154.753+/-731.342 χ^2/NDF:65.3/60

All: 38.660+/-529.725 χ^2/NDF: 115.1/114



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: 4629.919+/-0.767 χ^2/NDF: 4688145.3/35

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

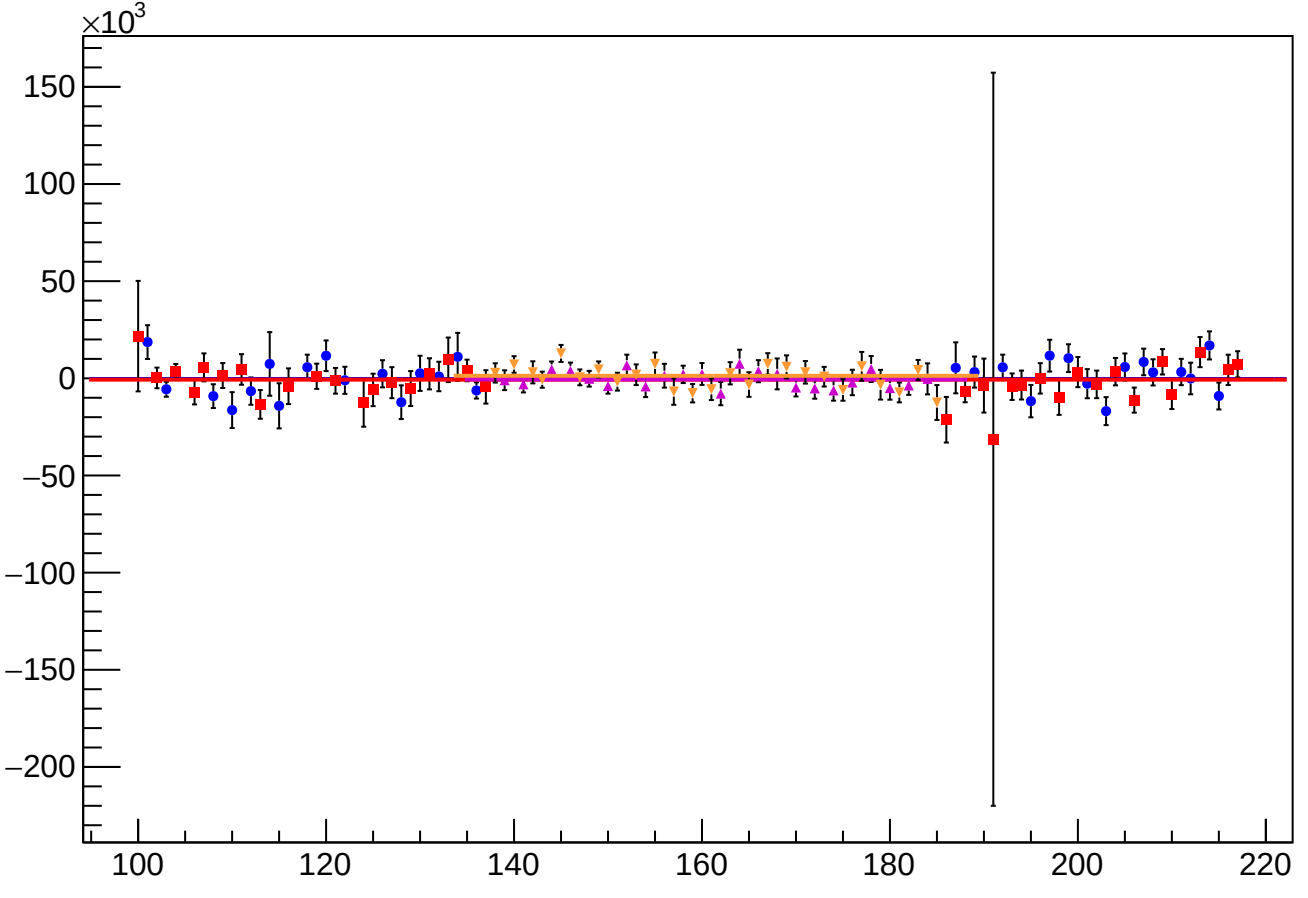
Right: 4744.734+/-0.561 χ^2/NDF: 7997629.7/66

In: 4545.769+/-0.543 χ^2/NDF:4761820.8/53

Out: 4428.679+/-0.517 χ^2/NDF:6004789.1/60

All: 4484.339+/-0.375 χ^2/NDF: 10790979.6/1

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: -671.955+/-1223.981 χ^2/NDF: 27.9/35

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

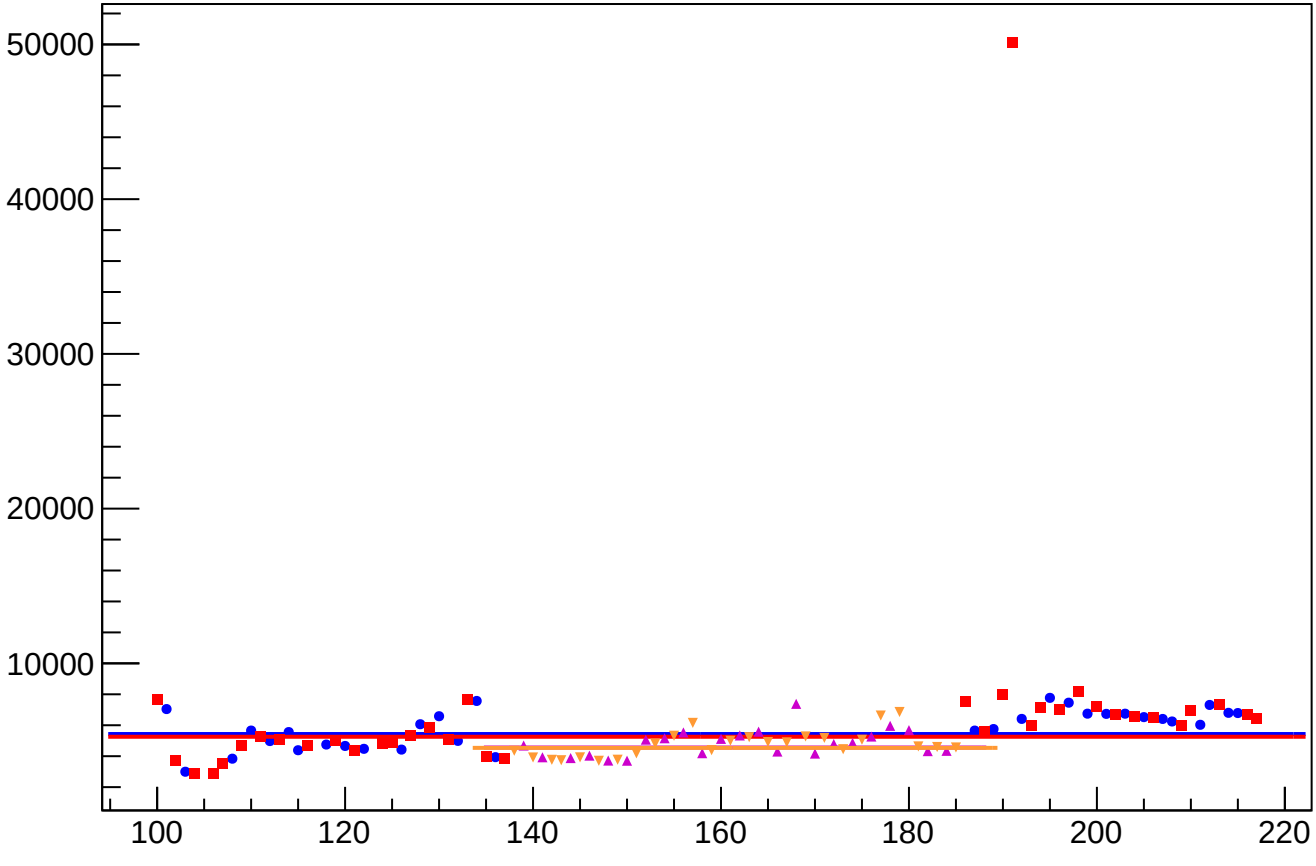
Right: -513.965+/-884.766 χ^2/NDF: 73.5/66

In: -478.372+/-826.497 χ^2/NDF:59.9/53

Out: 463.488+/-796.744 χ^2/NDF:57.9/60

All: 9.816+/-573.613 χ^2/NDF: 118.5/114

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: 5256.181+/-0.861 χ^2/NDF: 3201697.2/35

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

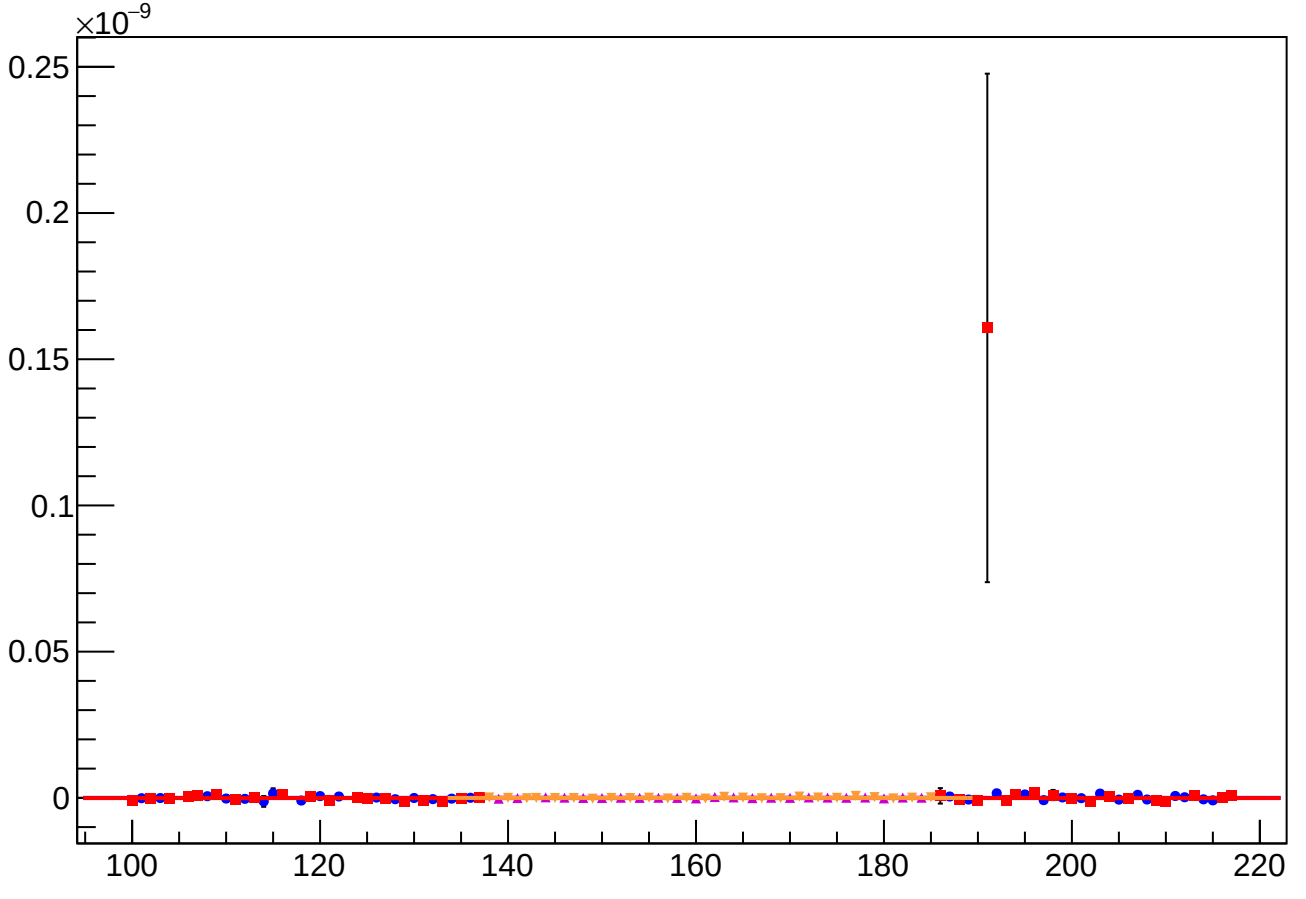
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5339.714+/-0.624 χ^2/NDF: 5649887.1/66

In: 4923.613+/-0.584 χ^2/NDF:3949064.9/53

Out: 4843.918+/-0.562 χ^2/NDF:4593620.4/60

All: 4882.226+/-0.405 χ^2/NDF: 8552342.2/11



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: 45.1/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

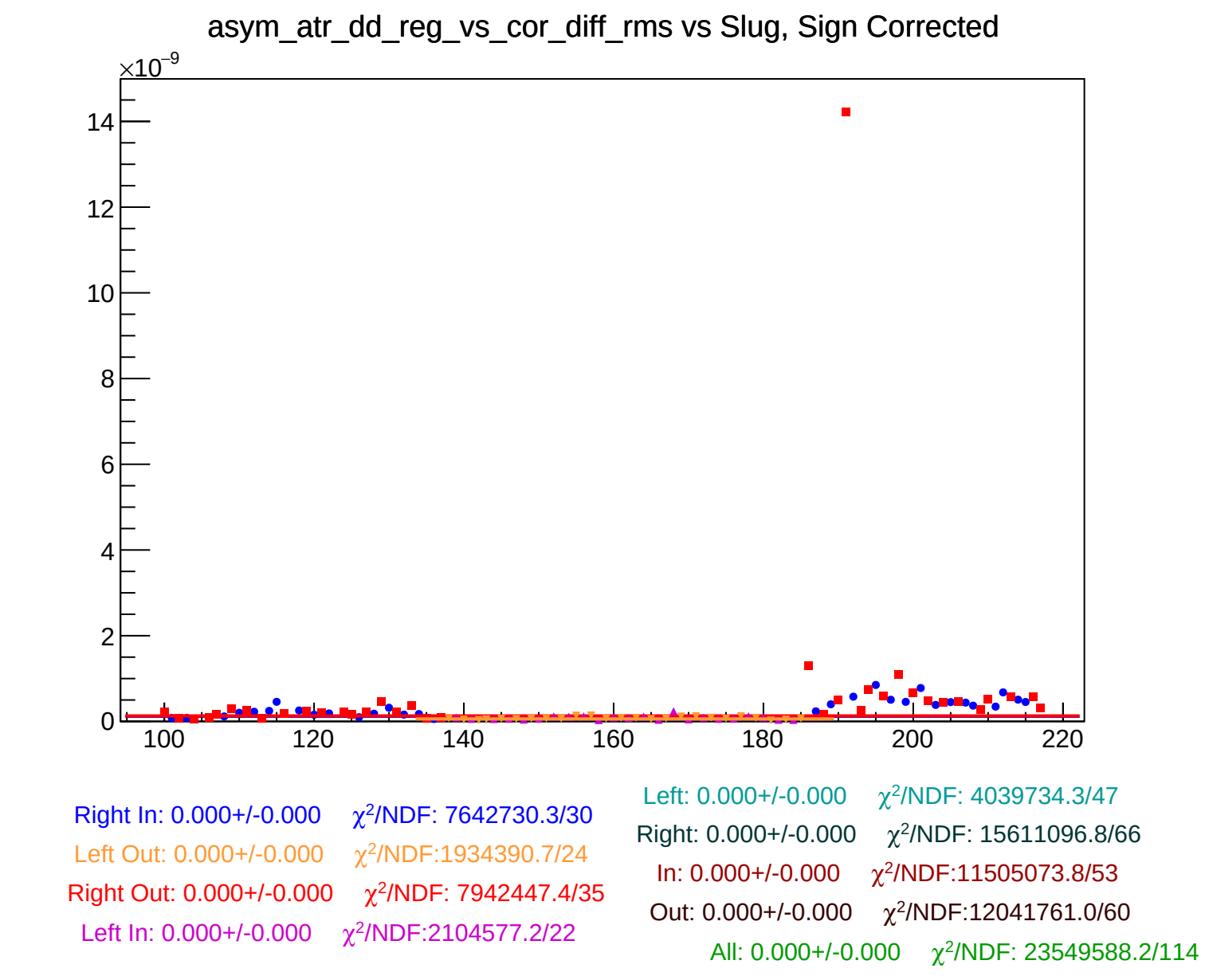
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

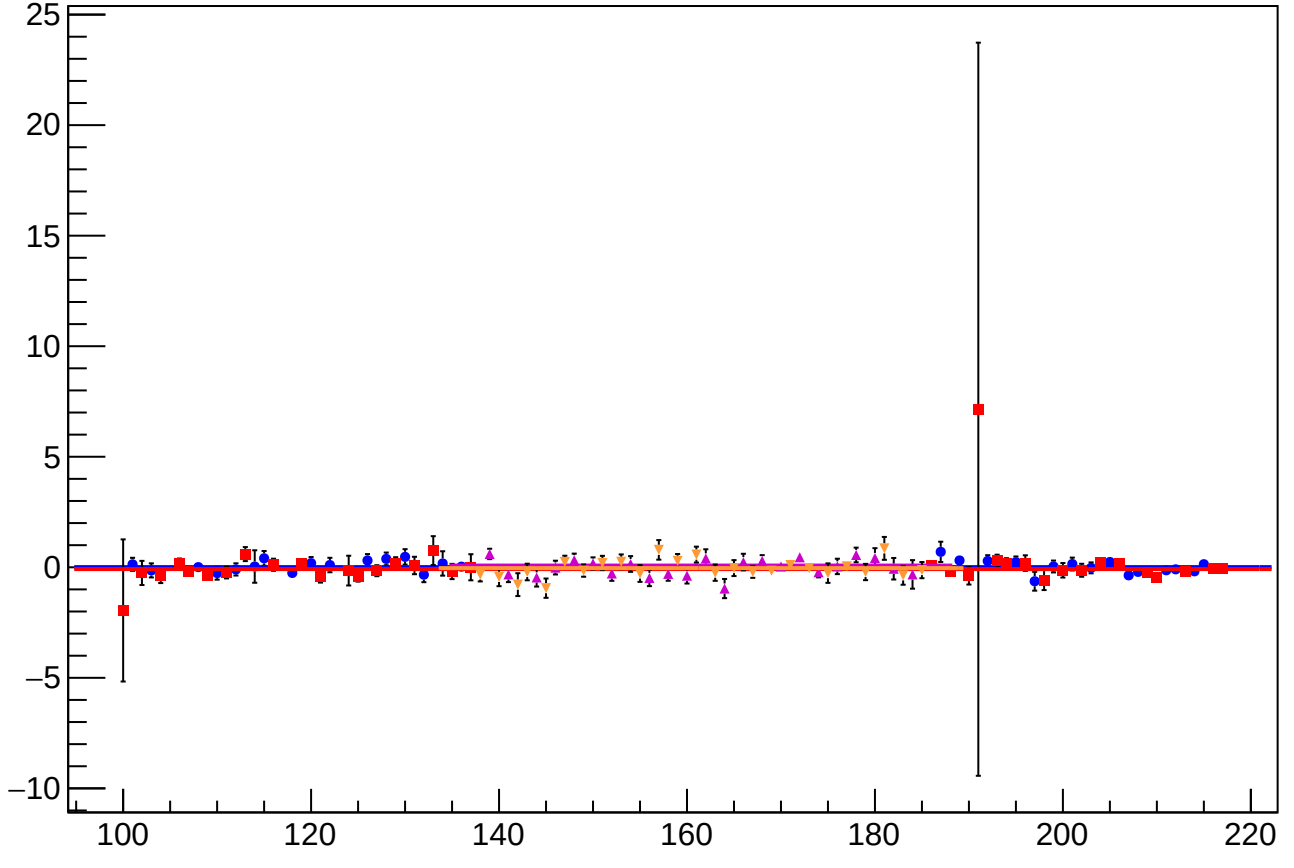
Right: -0.000+/-0.000 χ^2/NDF: 74.2/66

In: 0.000+/-0.000 χ^2/NDF:49.1/53

Out: -0.000+/-0.000 χ^2/NDF:83.6/60

All: -0.000+/-0.000 χ^2/NDF: 134.8/114


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: 7942447.4/35
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: 15611096.8/66
In: 0.000+/-0.000 χ²/NDF:11505073.8/53
Out: 0.000+/-0.000 χ²/NDF:12041761.0/60
All: 0.000+/-0.000 χ²/NDF: 23549588.2/114



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+/-0.040 χ^2/NDF: 33.3/35

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

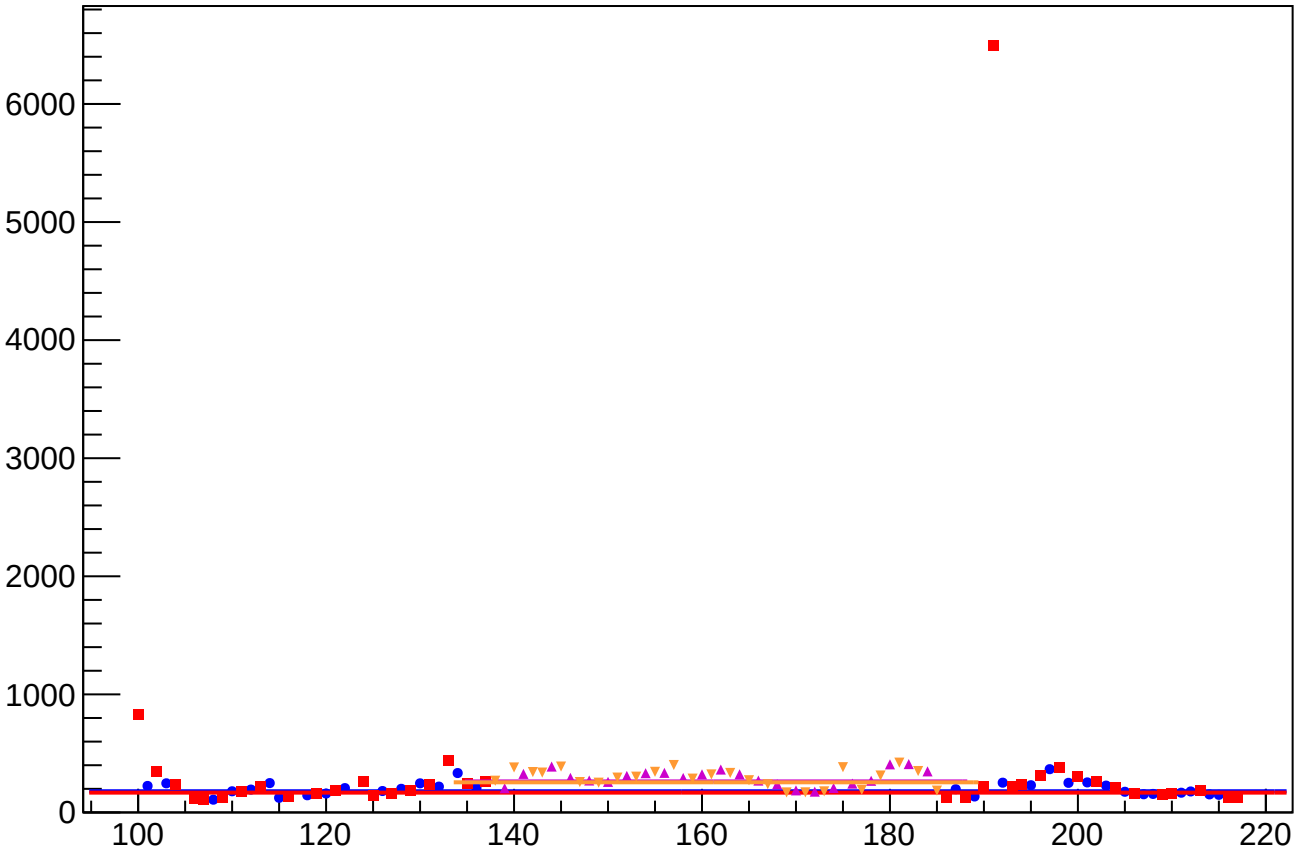
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.040+/-0.029 χ^2/NDF: 66.2/66

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.069+/-0.034 χ^2/NDF:58.1/60

All: -0.023+/-0.025 χ^2/NDF: 124.5/114



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: 167.924+/-0.028 χ^2/NDF: 4023848.7/35

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

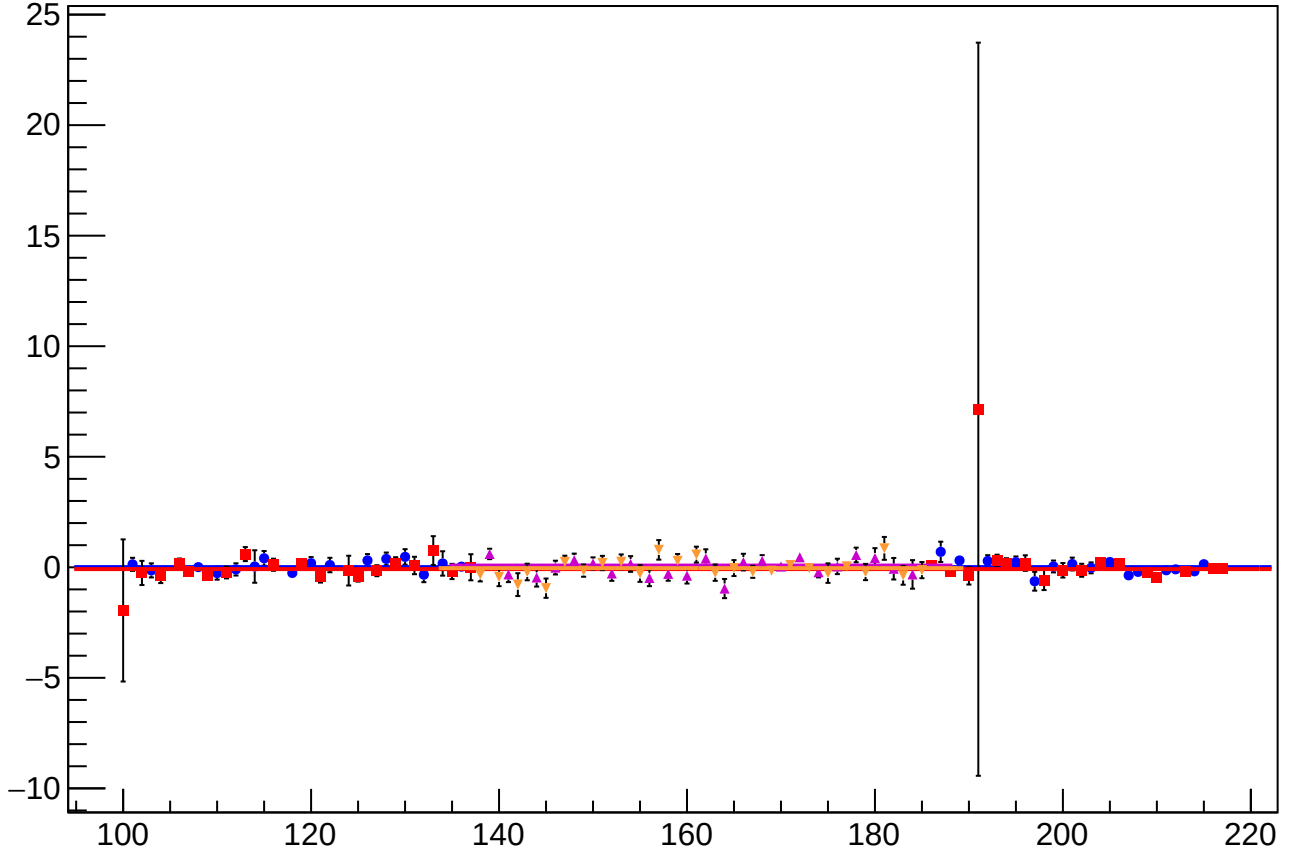
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 173.414+/-0.021 χ^2/NDF: 6315767.8/66

In: 205.253+/-0.025 χ^2/NDF:6507603.6/53

Out: 193.936+/-0.024 χ^2/NDF:9760096.4/60

All: 199.239+/-0.017 χ^2/NDF: 16372904.0/11



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+/-0.040 χ^2/NDF: 33.3/35

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

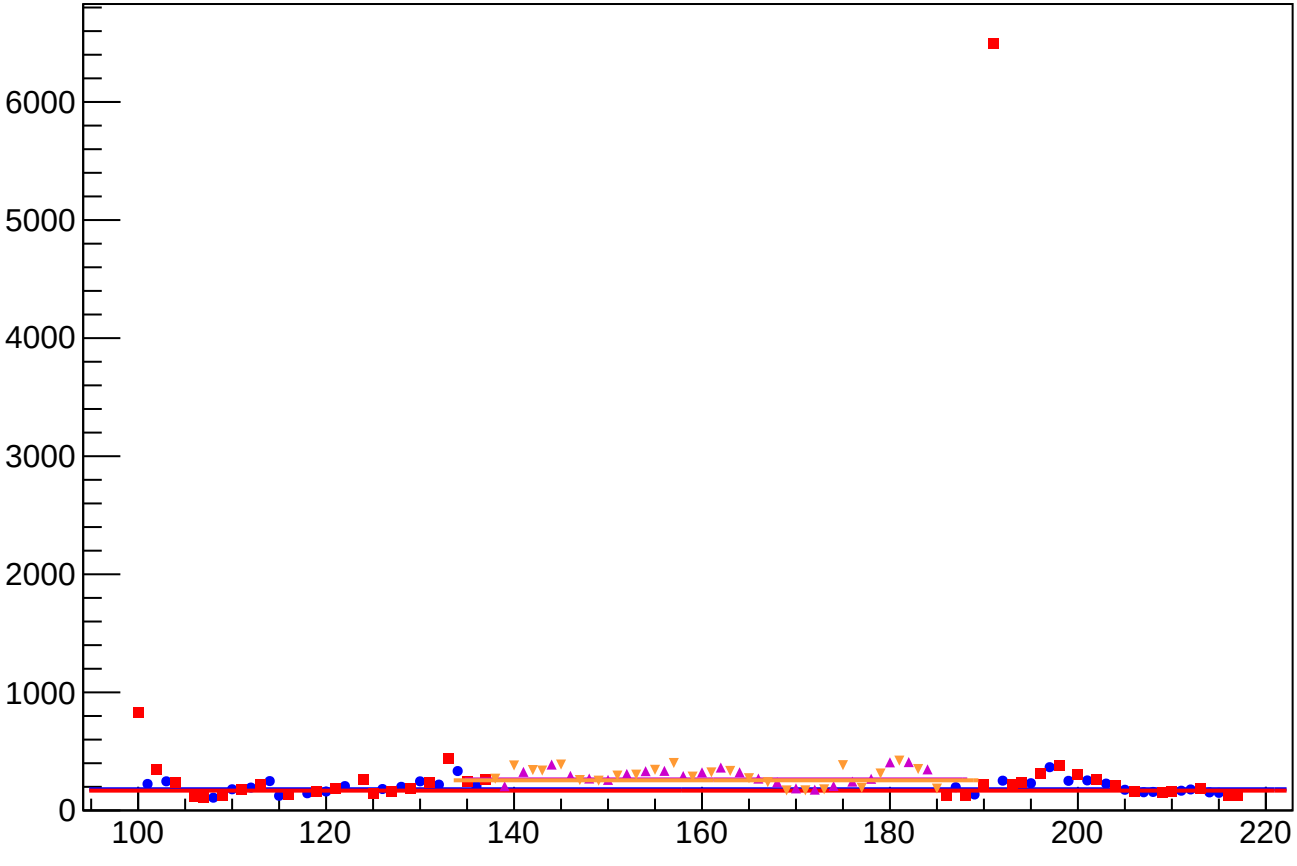
Right: -0.040+/-0.029 χ^2/NDF: 66.2/66

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.069+/-0.034 χ^2/NDF:58.1/60

All: -0.023+/-0.025 χ^2/NDF: 124.5/114

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: 167.924+/-0.028 χ^2/NDF: 4023848.7/35

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

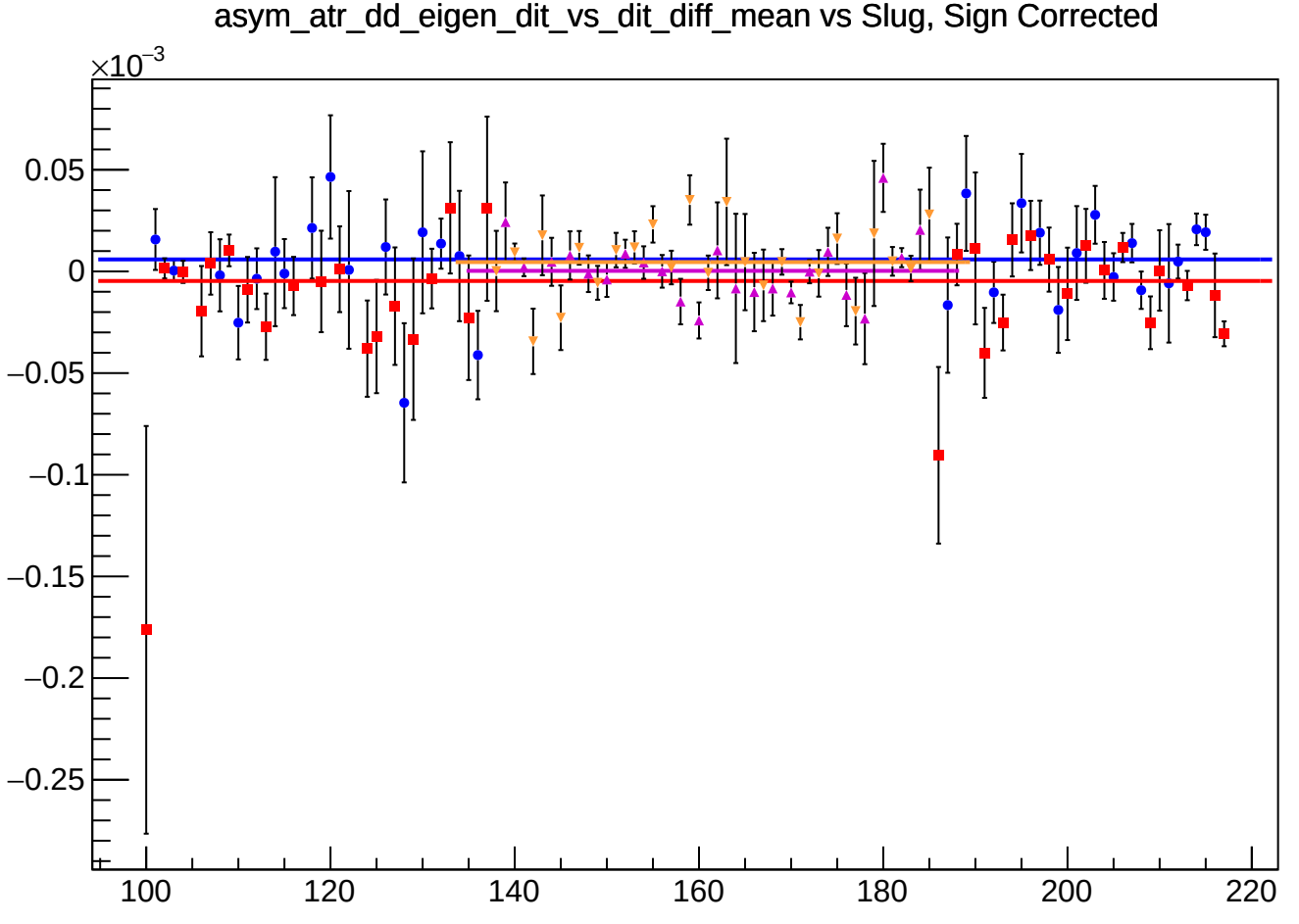
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 173.414+/-0.021 χ^2/NDF: 6315767.8/66

In: 205.253+/-0.025 χ^2/NDF:6507603.6/53

Out: 193.936+/-0.024 χ^2/NDF:9760096.4/60

All: 199.239+/-0.017 χ^2/NDF: 16372904.0/11



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: 57.8/35

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

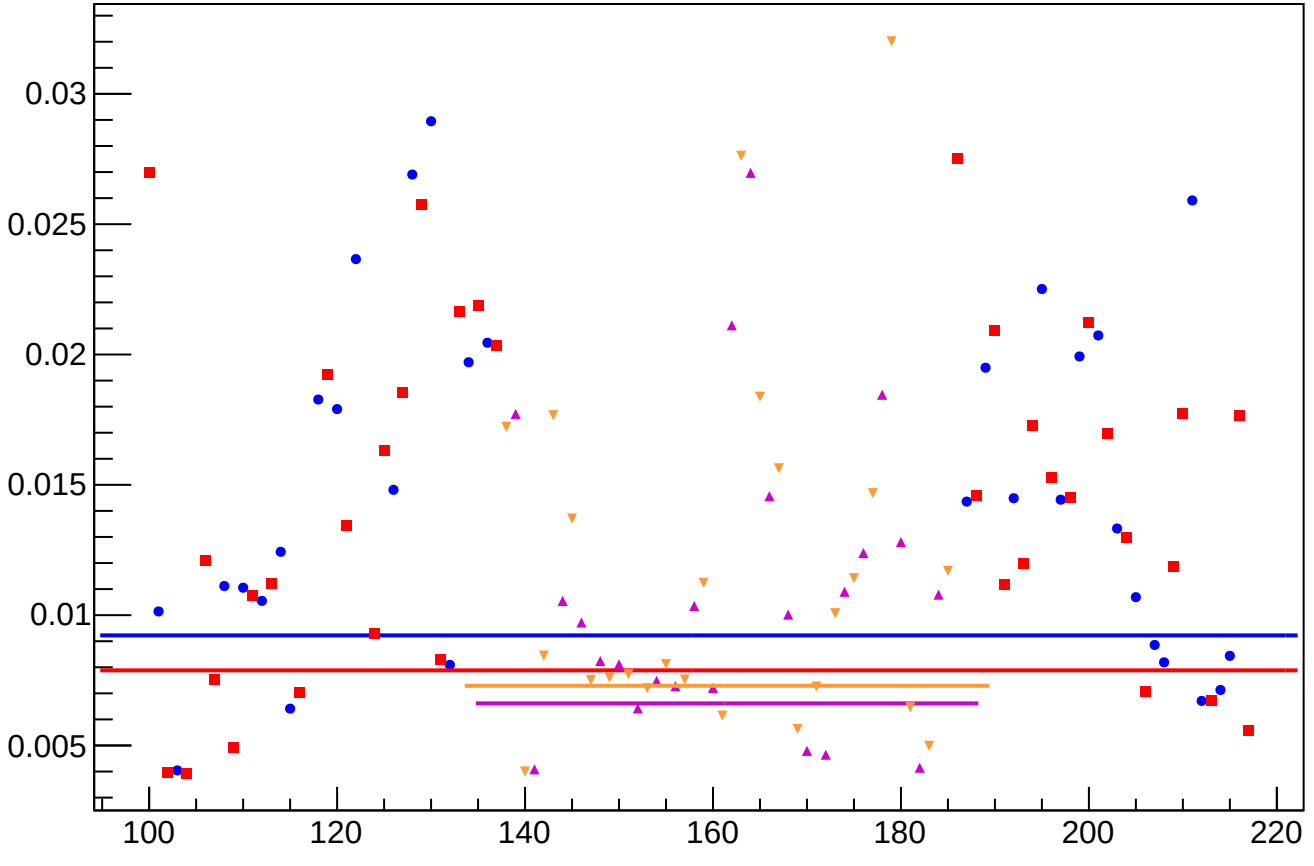
Right: -0.000+/-0.000 χ^2/NDF: 103.7/66

In: 0.000+/-0.000 χ^2/NDF:69.6/53

Out: 0.000+/-0.000 χ^2/NDF:112.2/60

All: 0.000+/-0.000 χ^2/NDF: 182.7/114

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 10767369.3/35

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

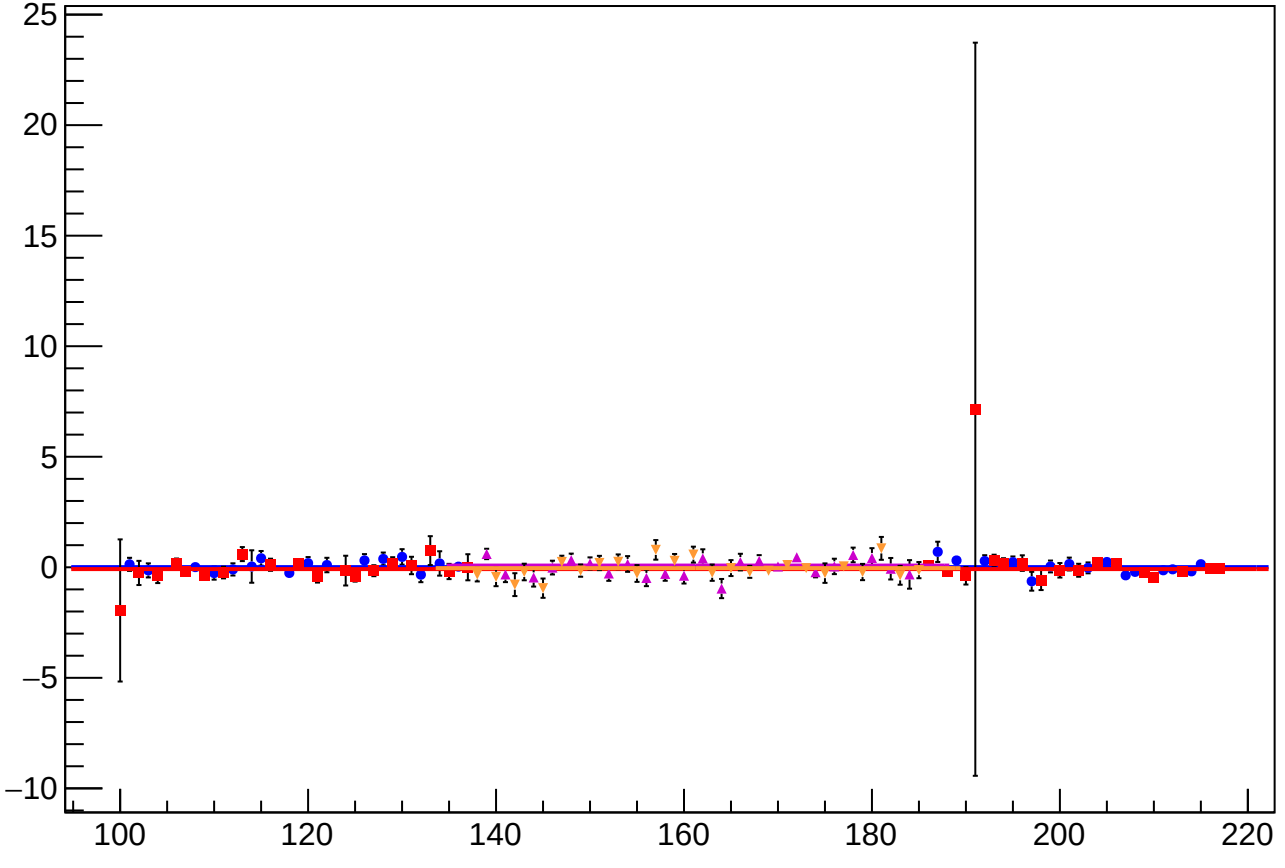
Right: 0.008+/-0.000 χ^2/NDF: 19337534.2/66

In: 0.008+/-0.000 χ^2/NDF:16118927.0/53

Out: 0.008+/-0.000 χ^2/NDF:17629508.1/60

All: 0.008+/-0.000 χ^2/NDF: 33748674.4/114

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+/-0.040 χ^2/NDF: 33.3/35

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

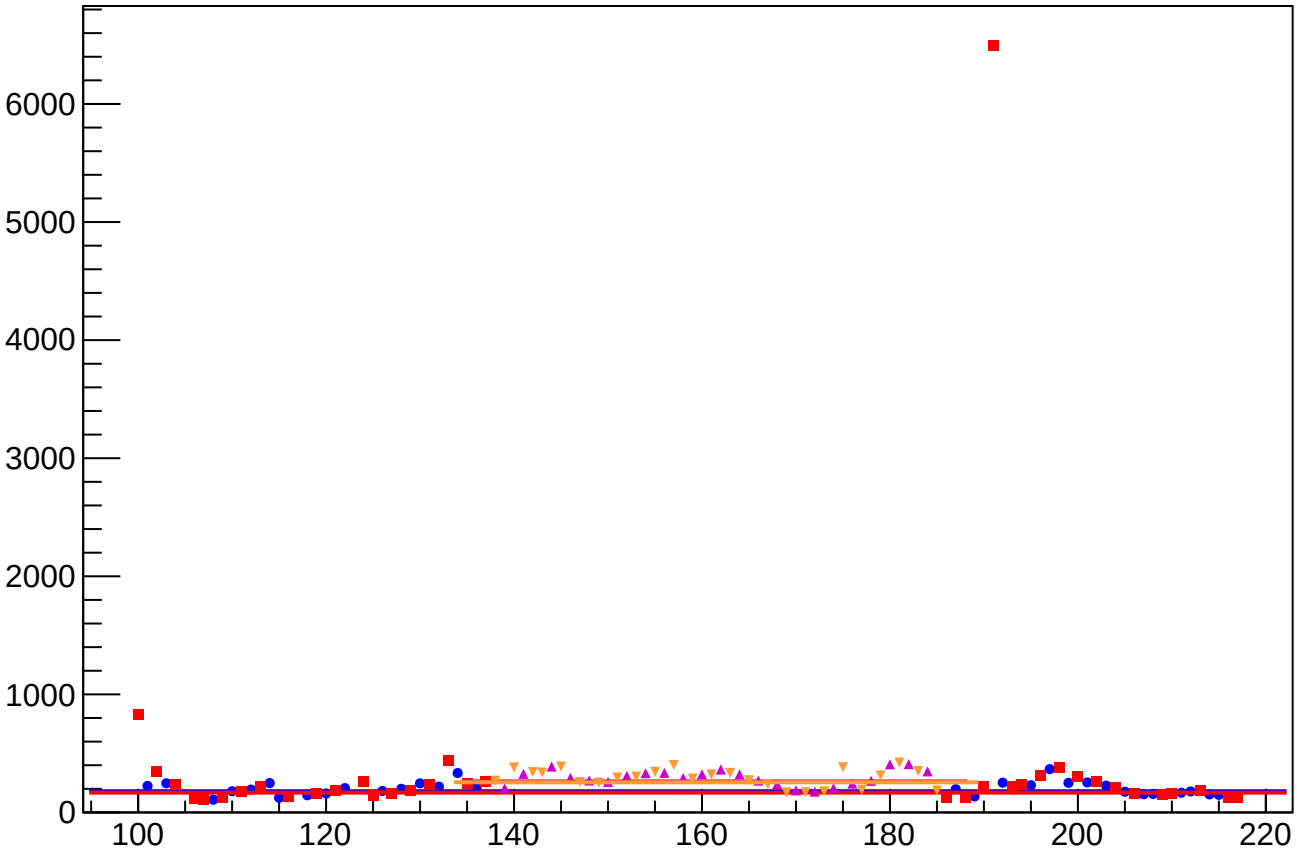
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.040+/-0.029 χ^2/NDF: 66.2/66

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.069+/-0.034 χ^2/NDF:58.1/60

All: -0.023+/-0.025 χ^2/NDF: 124.5/114



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: 167.925+/-0.028 χ^2/NDF: 4023771.6/35

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

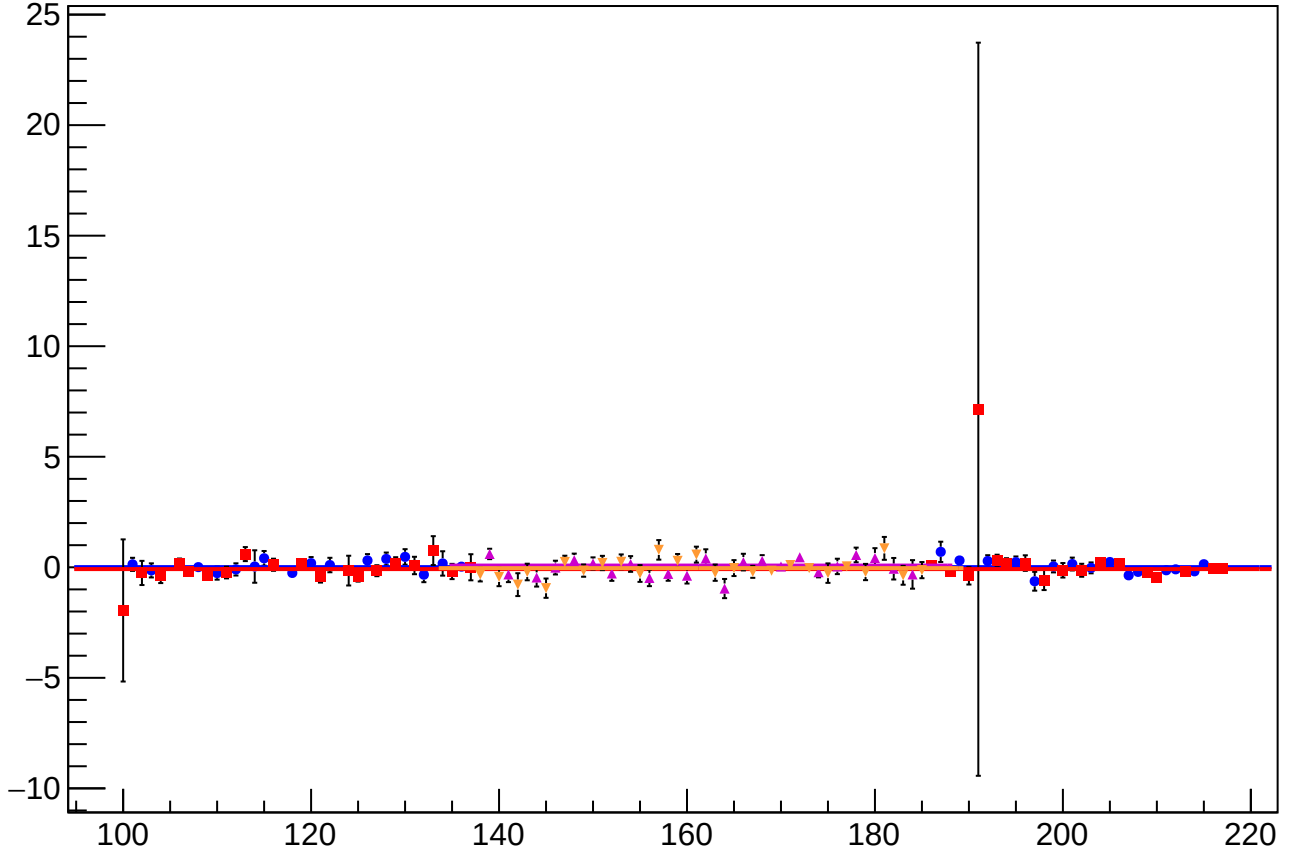
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 173.415+/-0.021 χ^2/NDF: 6315675.1/66

In: 205.254+/-0.025 χ^2/NDF:6507727.7/53

Out: 193.938+/-0.024 χ^2/NDF:9760109.5/60

All: 199.240+/-0.017 χ^2/NDF: 16373024.3/11



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+/-0.040 χ^2/NDF: 33.3/35

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

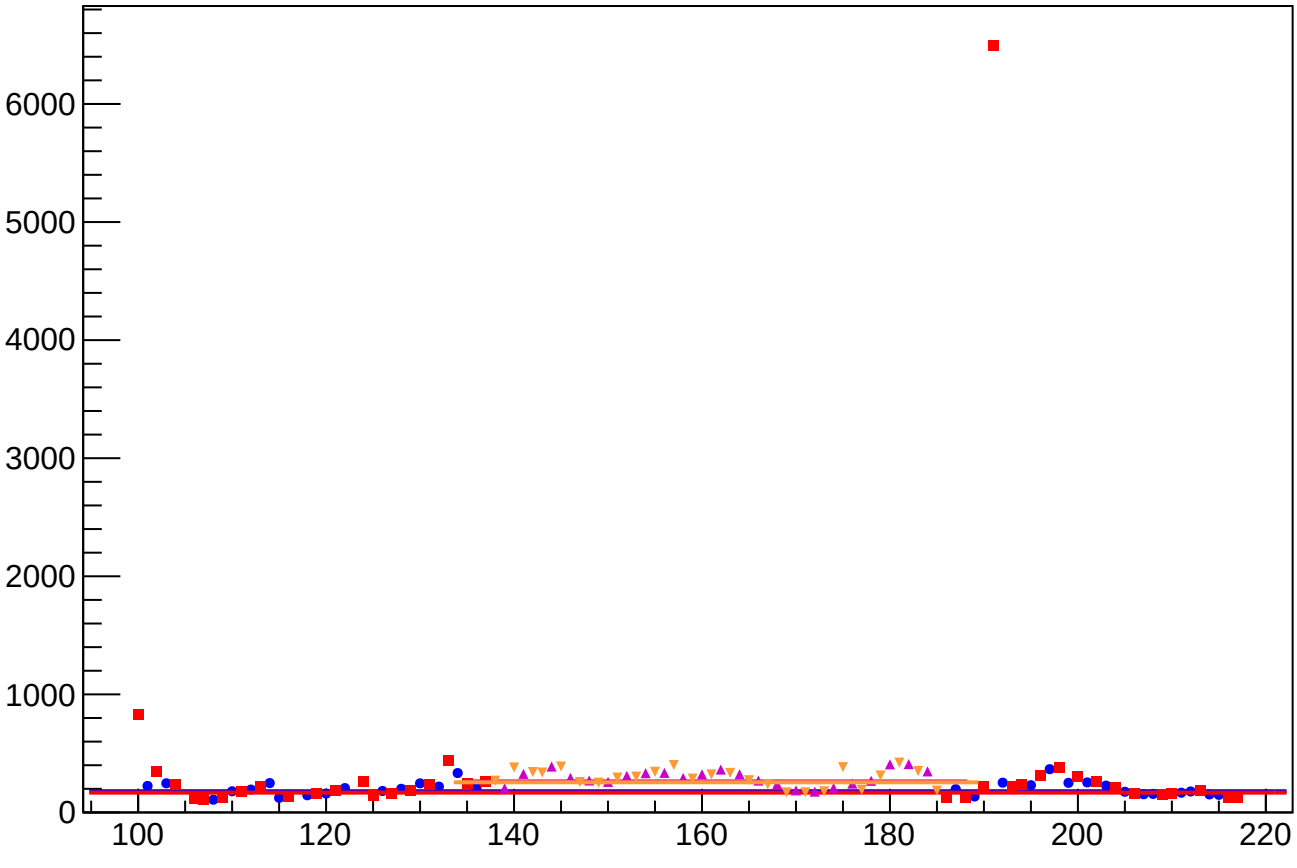
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.040+/-0.029 χ^2/NDF: 66.2/66

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.069+/-0.034 χ^2/NDF:58.1/60

All: -0.023+/-0.025 χ^2/NDF: 124.5/114



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: 167.925+/-0.028 χ^2/NDF: 4023771.6/35

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

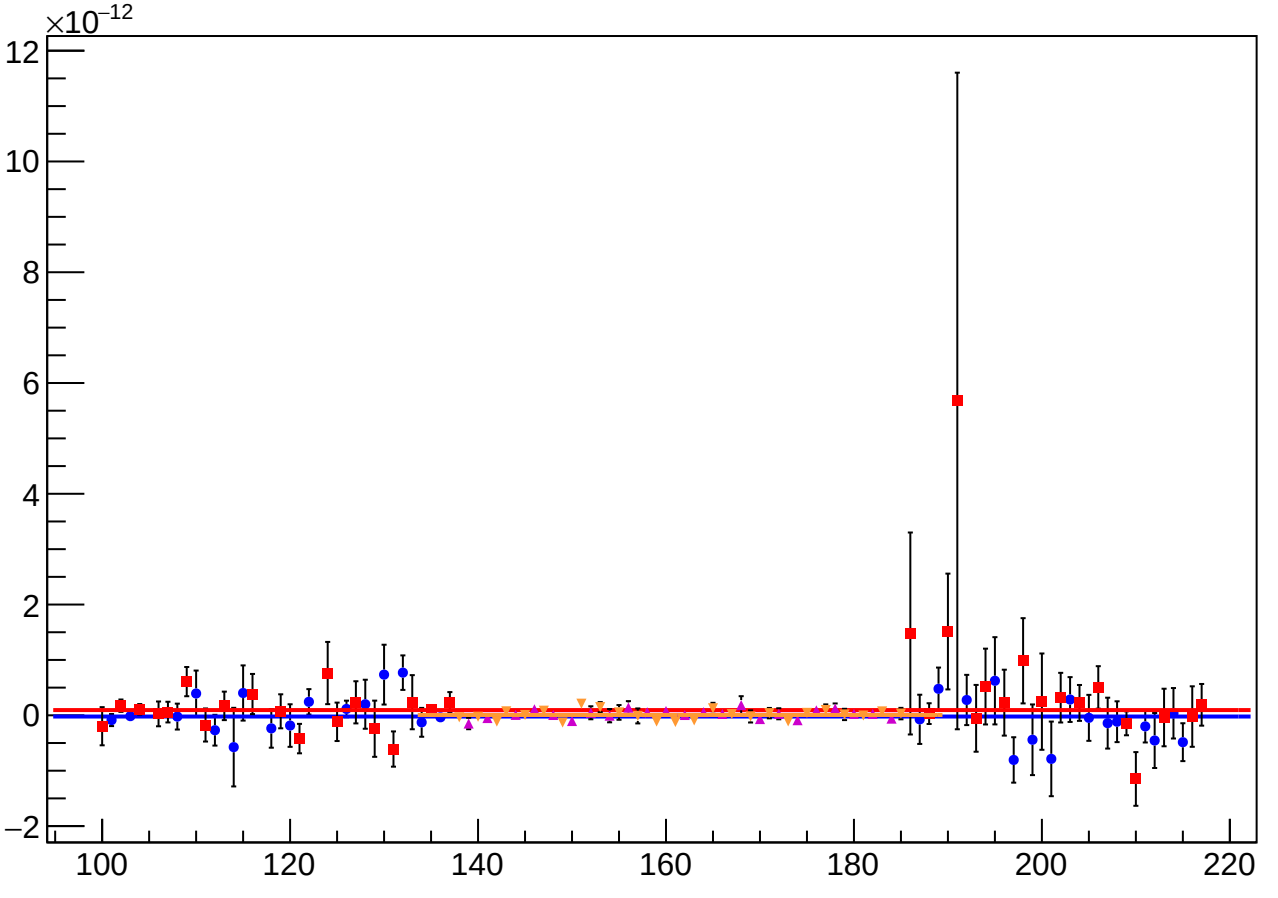
Right: 173.415+/-0.021 χ^2/NDF: 6315675.1/66

In: 205.254+/-0.025 χ^2/NDF:6507727.7/53

Out: 193.938+/-0.024 χ^2/NDF:9760109.5/60

All: 199.240+/-0.017 χ^2/NDF: 16373024.3/11

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 33.2/35

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

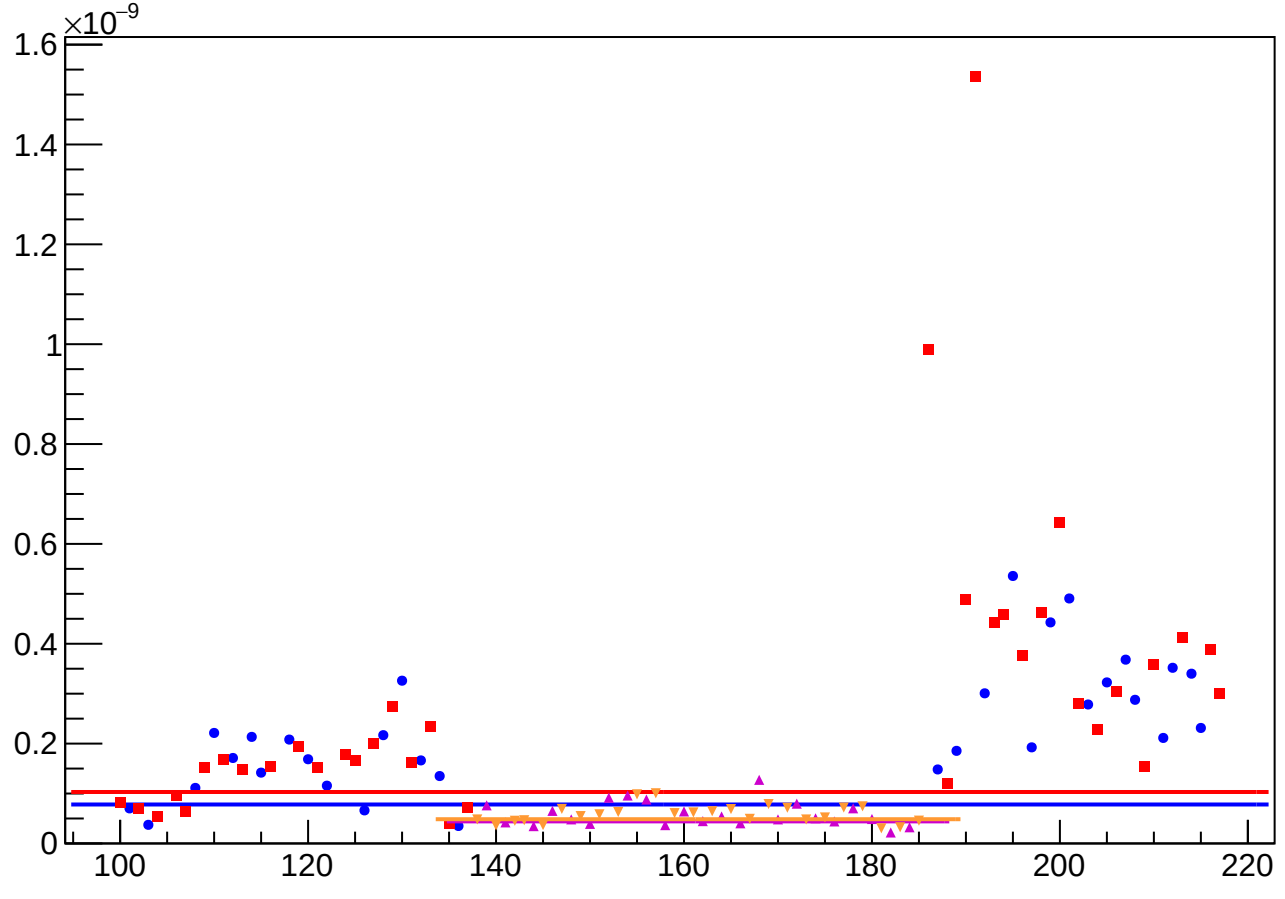
Right: 0.000+/-0.000 χ^2/NDF: 65.4/66

In: 0.000+/-0.000 χ^2/NDF:49.0/53

Out: 0.000+/-0.000 χ^2/NDF:68.3/60

All: 0.000+/-0.000 χ^2/NDF: 117.7/114

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 10731134.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

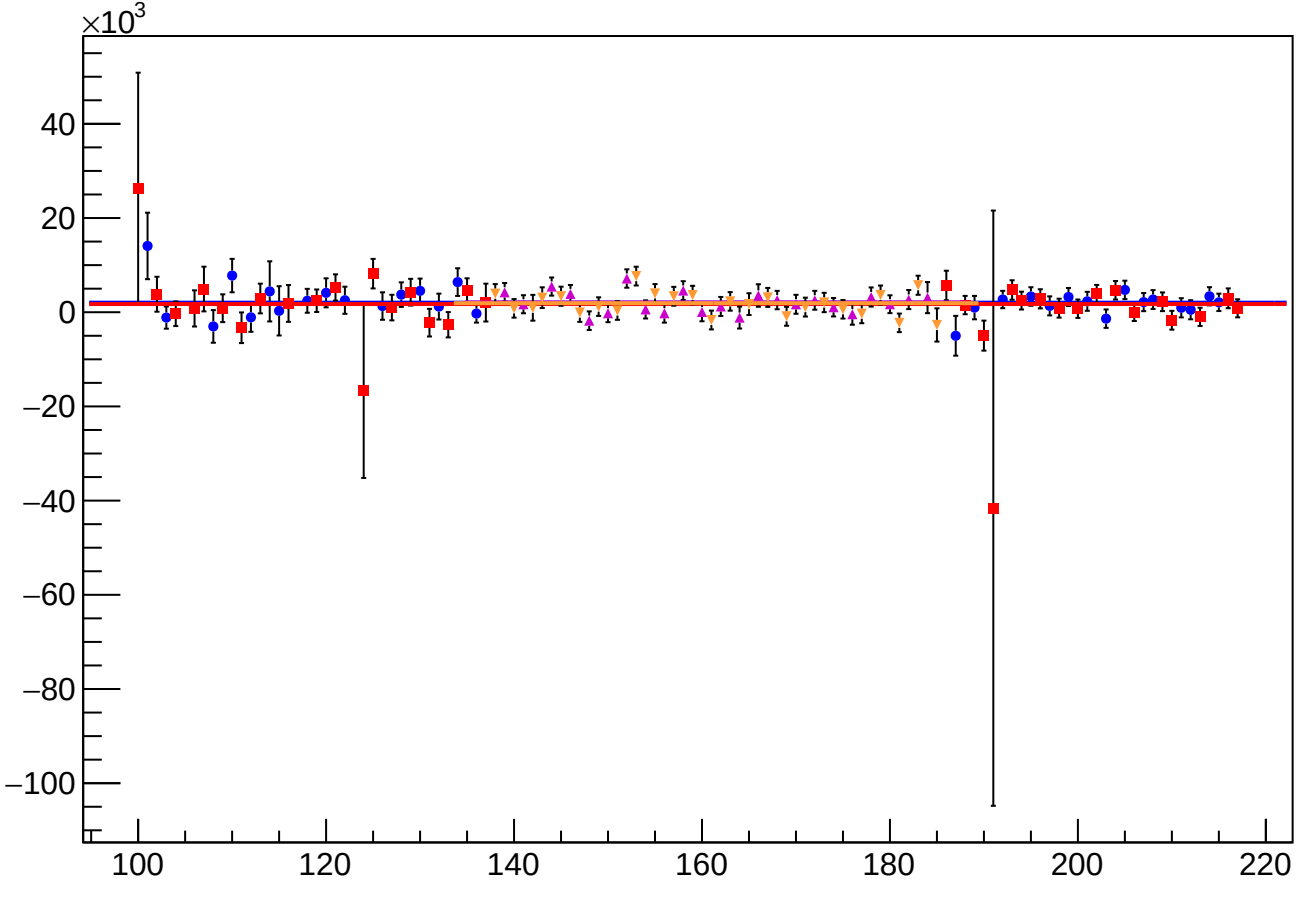
Right: 0.000+/-0.000 χ^2/NDF: 22829473.1/66

In: 0.000+/-0.000 χ^2/NDF:16983479.4/53

Out: 0.000+/-0.000 χ^2/NDF:16713474.0/60

All: 0.000+/-0.000 χ^2/NDF: 33901345.6/114

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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: 1737.222+/-419.688 χ^2/NDF: 38.0/35

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

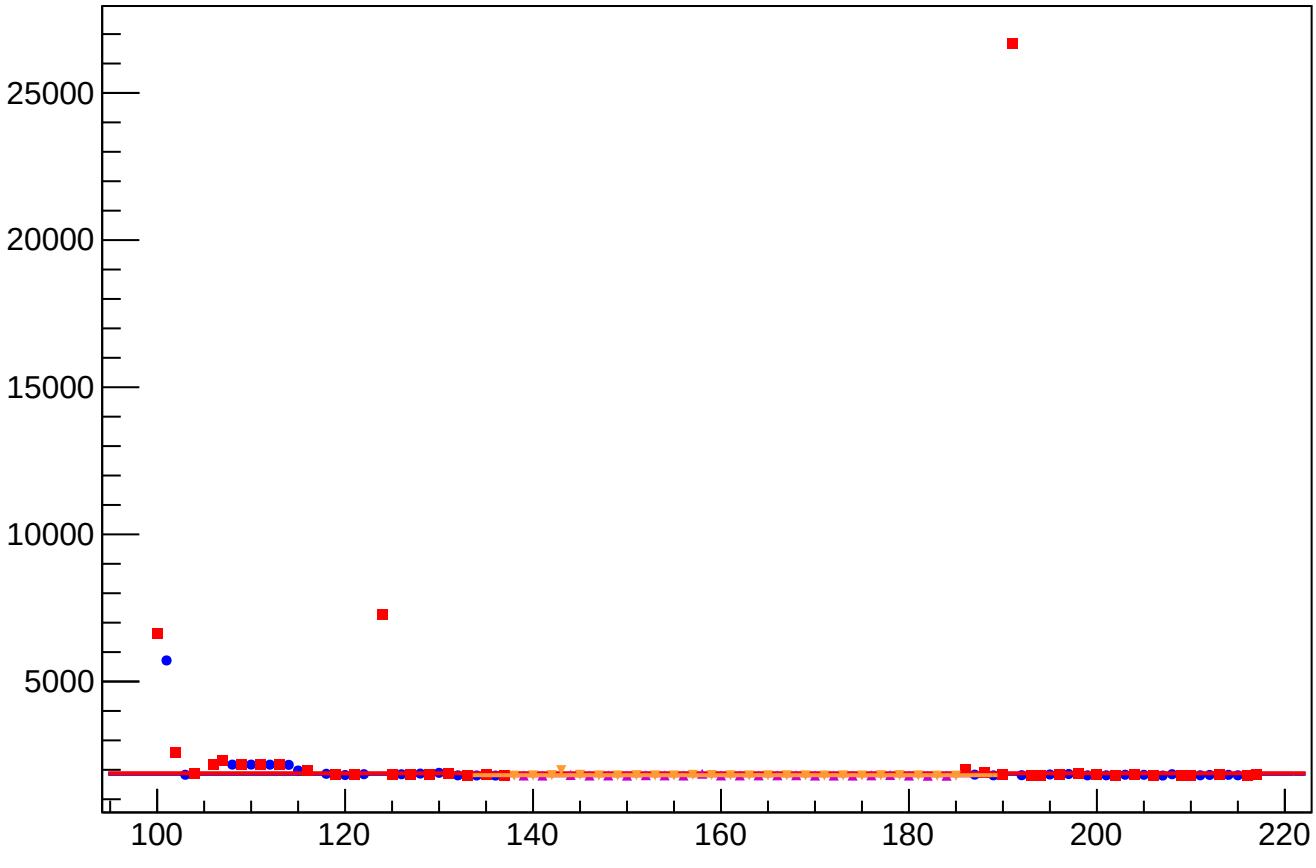
Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

Right: 1879.438+/-299.581 χ^2/NDF: 65.1/66

In: 2050.948+/-300.852 χ^2/NDF:53.4/53

Out: 1830.414+/-294.340 χ^2/NDF:70.7/60

All: 1938.269+/-210.394 χ^2/NDF: 124.3/114



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: 1882.405+/-0.297 χ^2/NDF: 745214.0/35

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

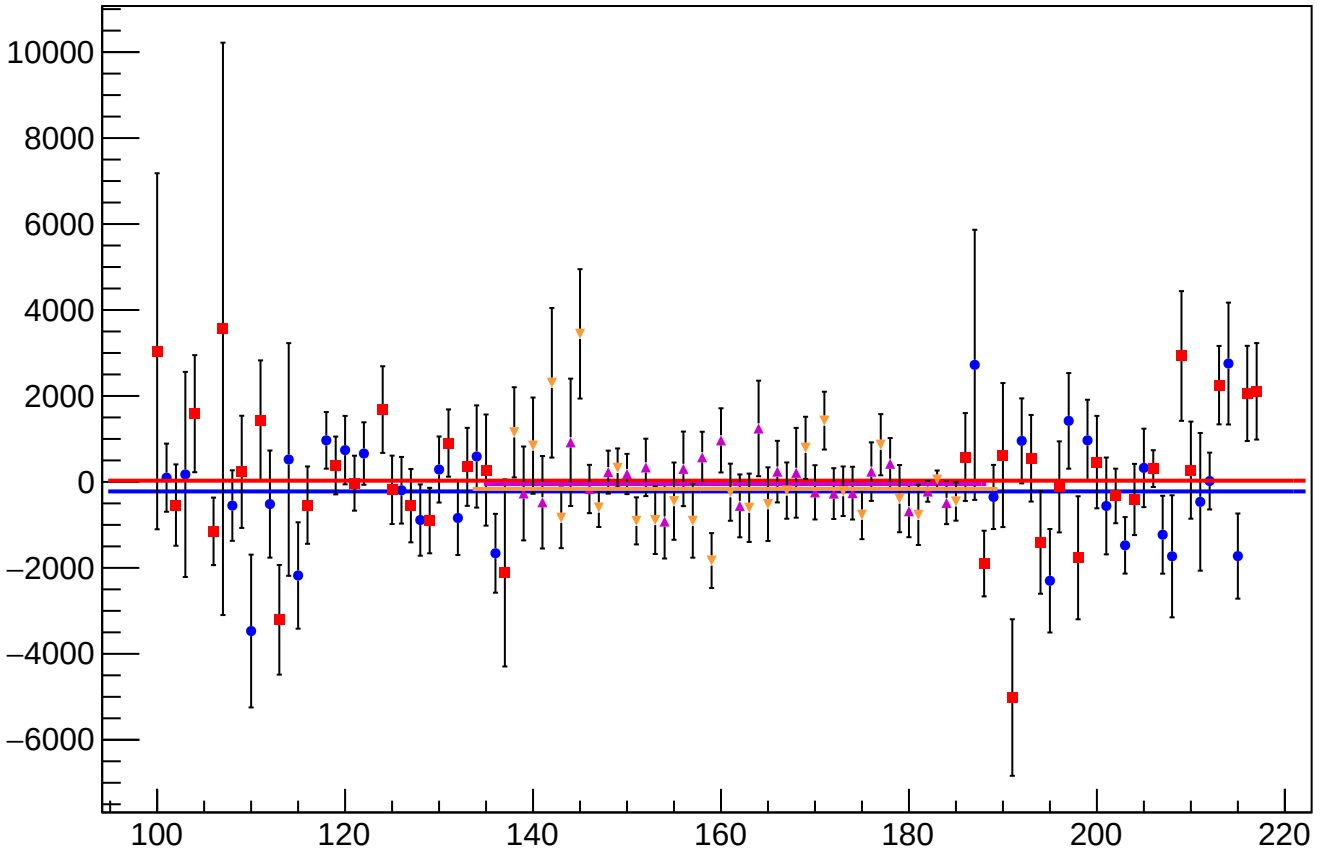
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1872.929+/-0.212 χ^2/NDF: 1417673.9/66

In: 1837.543+/-0.213 χ^2/NDF:686502.4/53

Out: 1849.437+/-0.208 χ^2/NDF:782456.9/60

All: 1843.620+/-0.149 χ^2/NDF: 1470556.4/11



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: 28.607+/-156.207 χ^2/NDF: 55.4/35

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

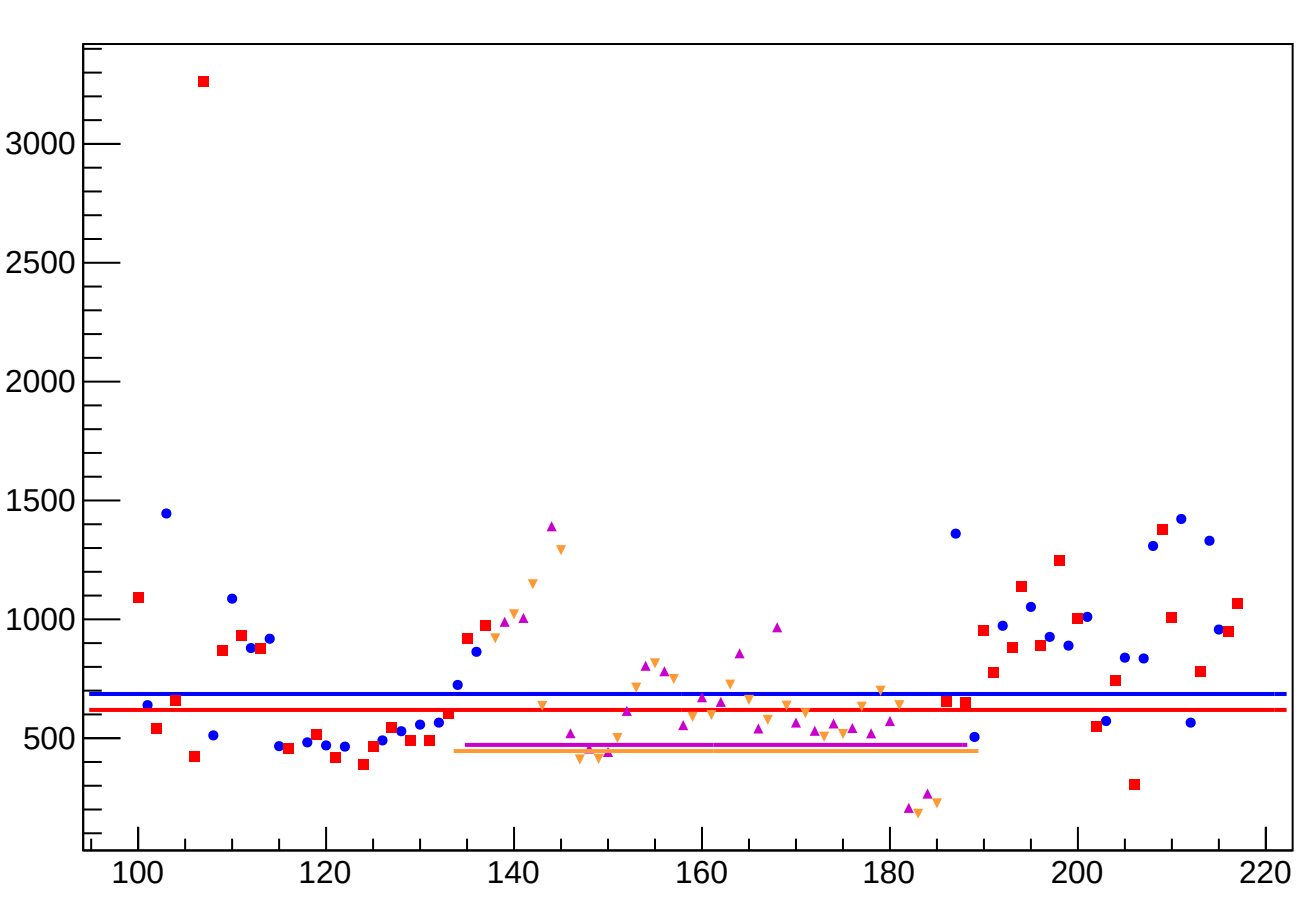
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -85.668+/-115.038 χ^2/NDF: 96.0/66

In: -108.107+/-99.497 χ^2/NDF:51.4/53

Out: -95.425+/-92.764 χ^2/NDF:93.2/60

All: -101.323+/-67.850 χ^2/NDF: 144.7/114



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: 618.871+/-0.110 χ^2/NDF: 5329558.1/35

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

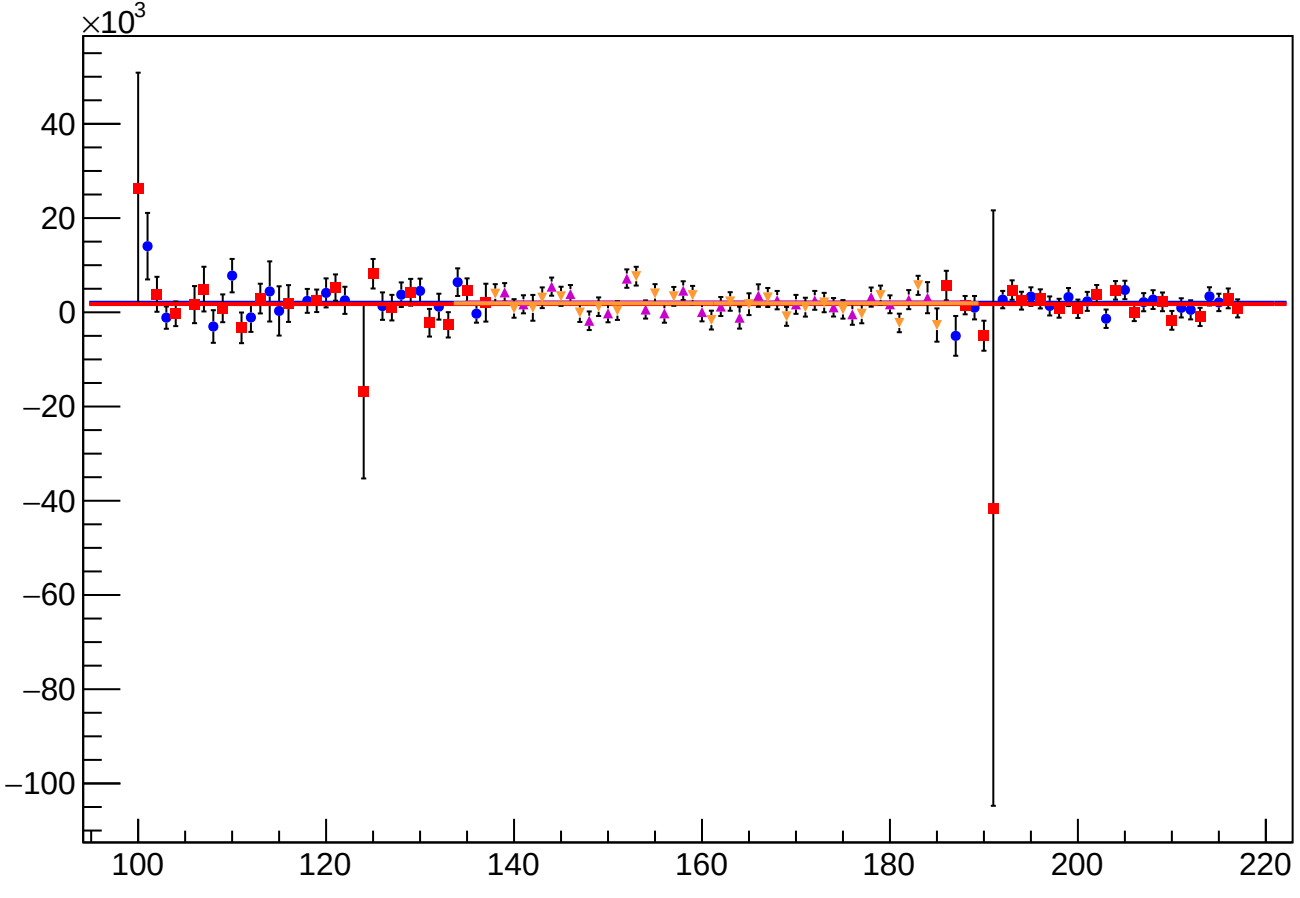
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 649.617+/-0.081 χ^2/NDF: 9442154.1/66

In: 545.114+/-0.070 χ^2/NDF:12446243.5/53

Out: 506.895+/-0.066 χ^2/NDF:14899623.6/60

All: 524.668+/-0.048 χ^2/NDF: 27503734.6/1



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: 1747.187+/-419.807 χ^2/NDF: 38.0/35

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

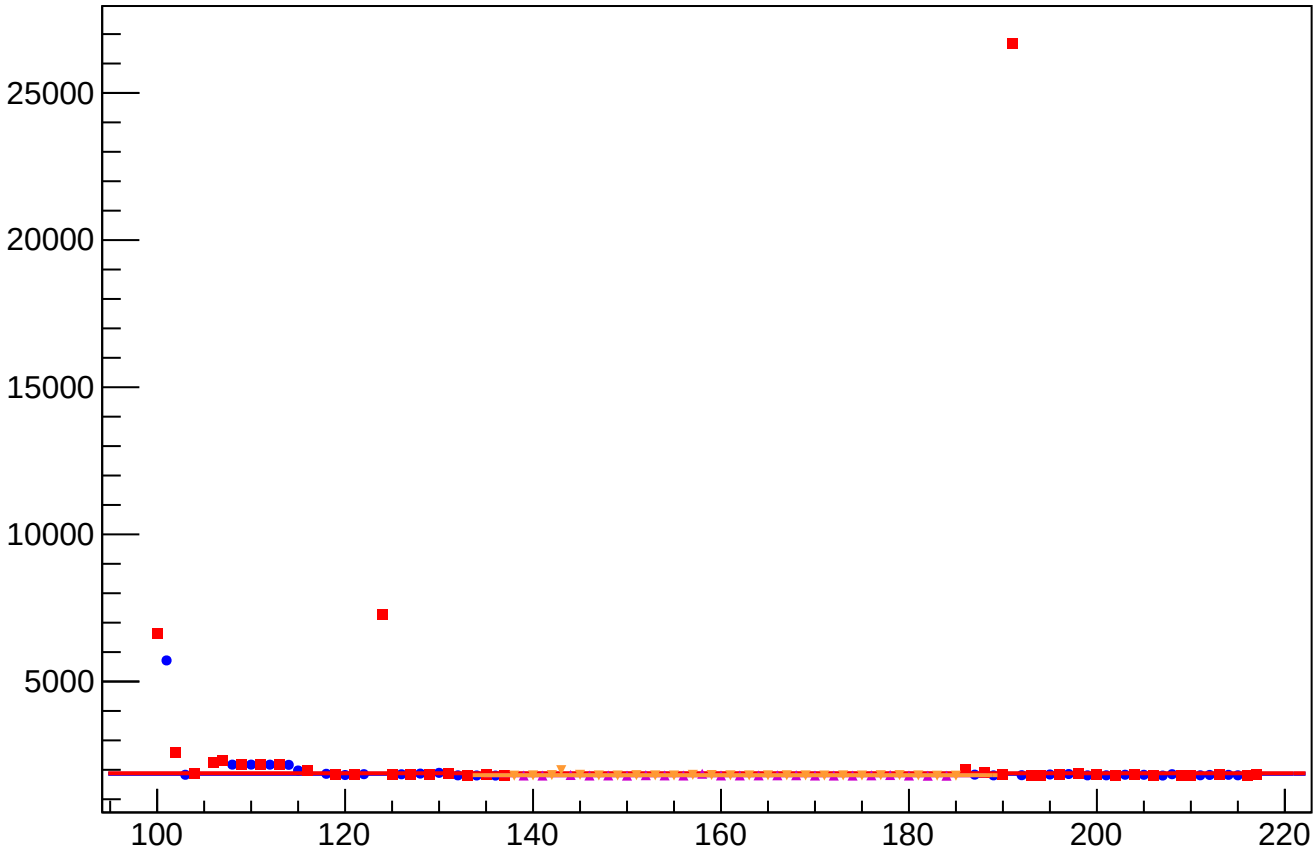
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1884.510+/-299.625 χ^2/NDF: 65.0/66

In: 2050.953+/-300.852 χ^2/NDF:53.4/53

Out: 1835.323+/-294.381 χ^2/NDF:70.6/60

All: 1940.794+/-210.409 χ^2/NDF: 124.3/114



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: 1882.805+/-0.297 χ^2/NDF: 748987.0/35

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

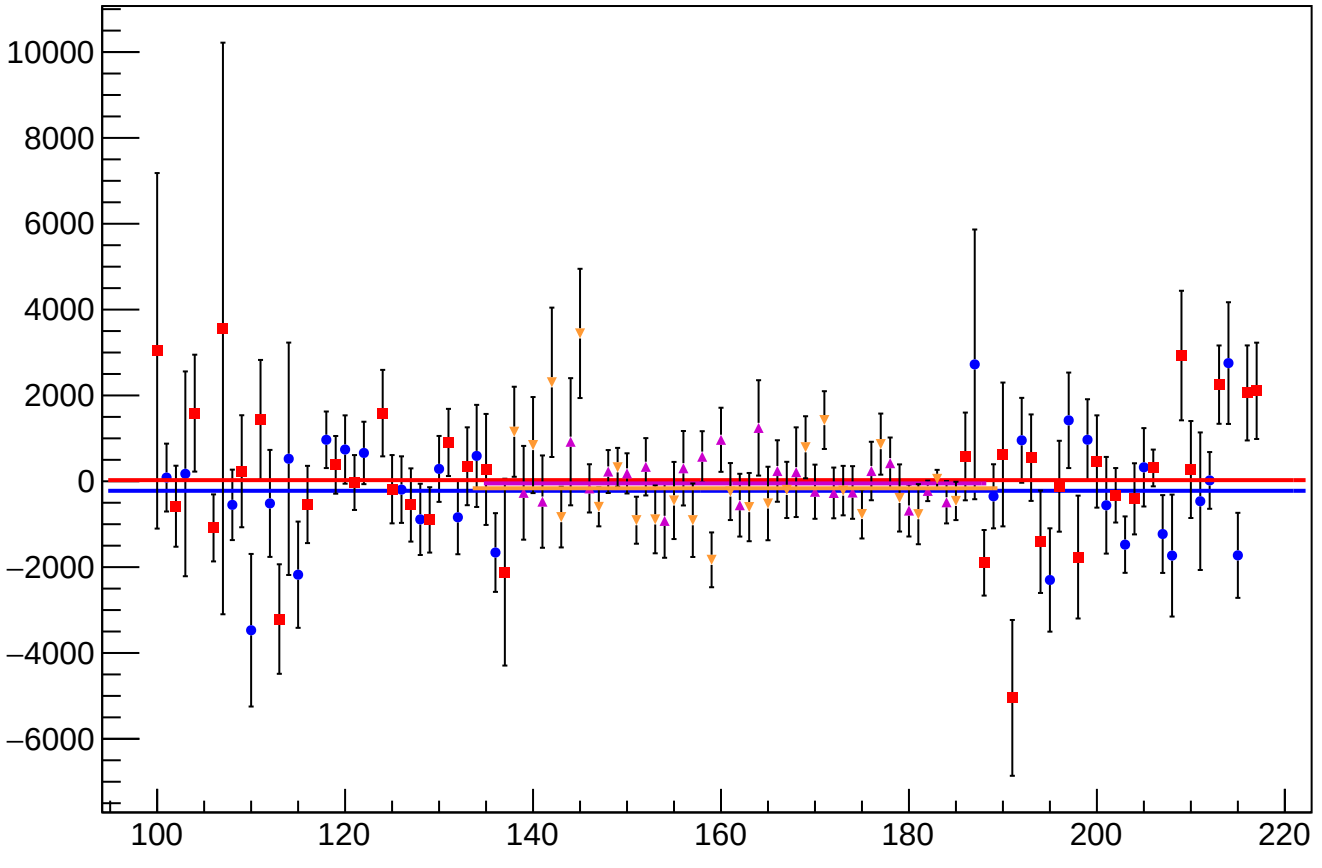
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1873.130+/-0.212 χ^2/NDF: 1421533.3/66

In: 1837.543+/-0.213 χ^2/NDF:686502.3/53

Out: 1849.624+/-0.208 χ^2/NDF:786523.5/60

All: 1843.715+/-0.149 χ^2/NDF: 1474673.4/11



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: 26.823+/-156.153 χ^2/NDF: 55.1/35

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

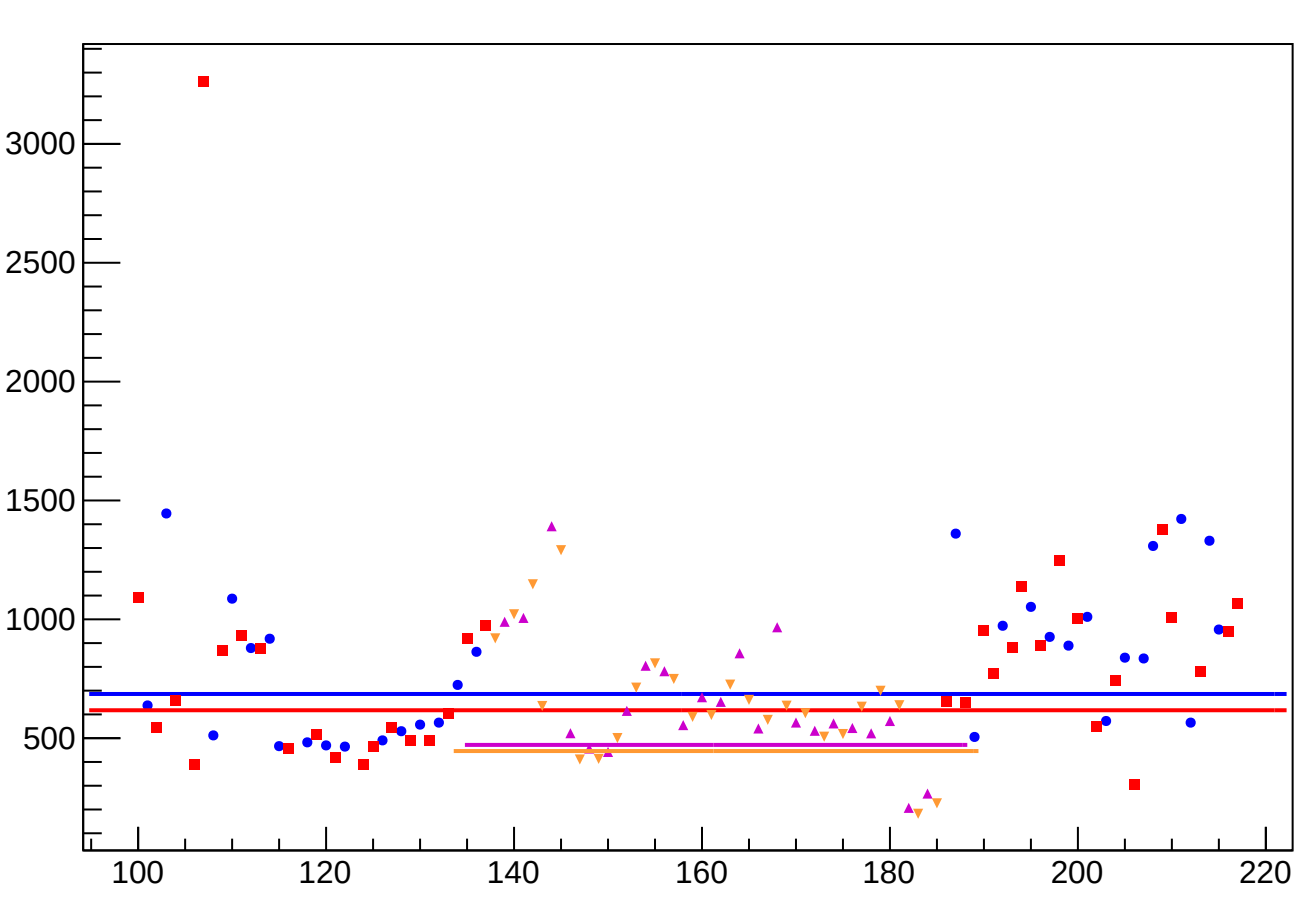
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -86.813+/-115.010 χ^2/NDF: 95.7/66

In: -108.284+/-99.495 χ^2/NDF:51.4/53

Out: -95.973+/-92.750 χ^2/NDF:92.9/60

All: -101.697+/-67.843 χ^2/NDF: 144.3/114



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: 617.515+/-0.110 χ^2/NDF: 5376914.5/35

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

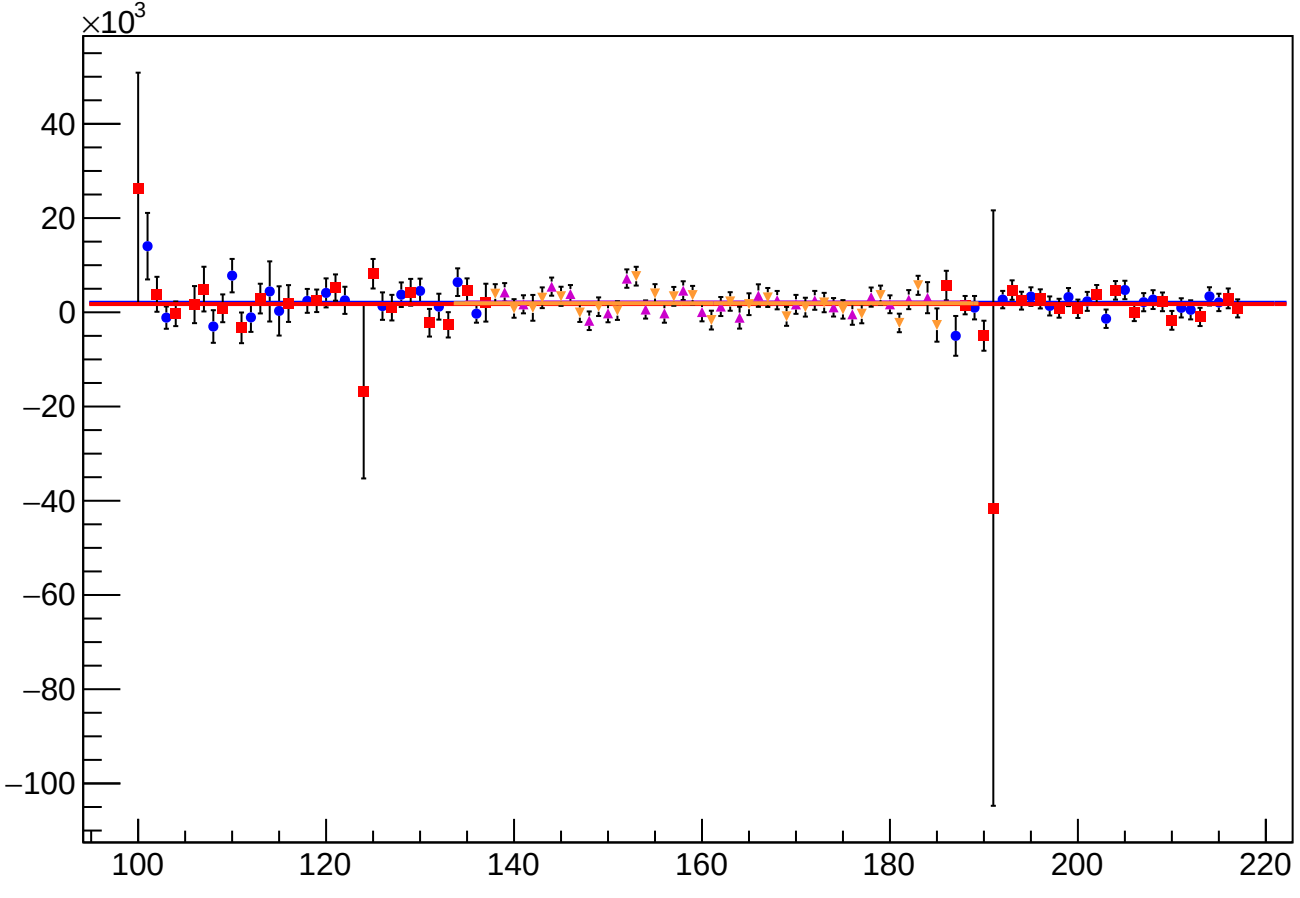
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 648.840+/-0.081 χ^2/NDF: 9496636.3/66

In: 545.109+/-0.070 χ^2/NDF:12445171.2/53

Out: 506.425+/-0.066 χ^2/NDF:14924813.4/60

All: 524.411+/-0.048 χ^2/NDF: 27531749.9/1



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: 1747.187+/-419.807 χ^2/NDF: 38.0/35

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

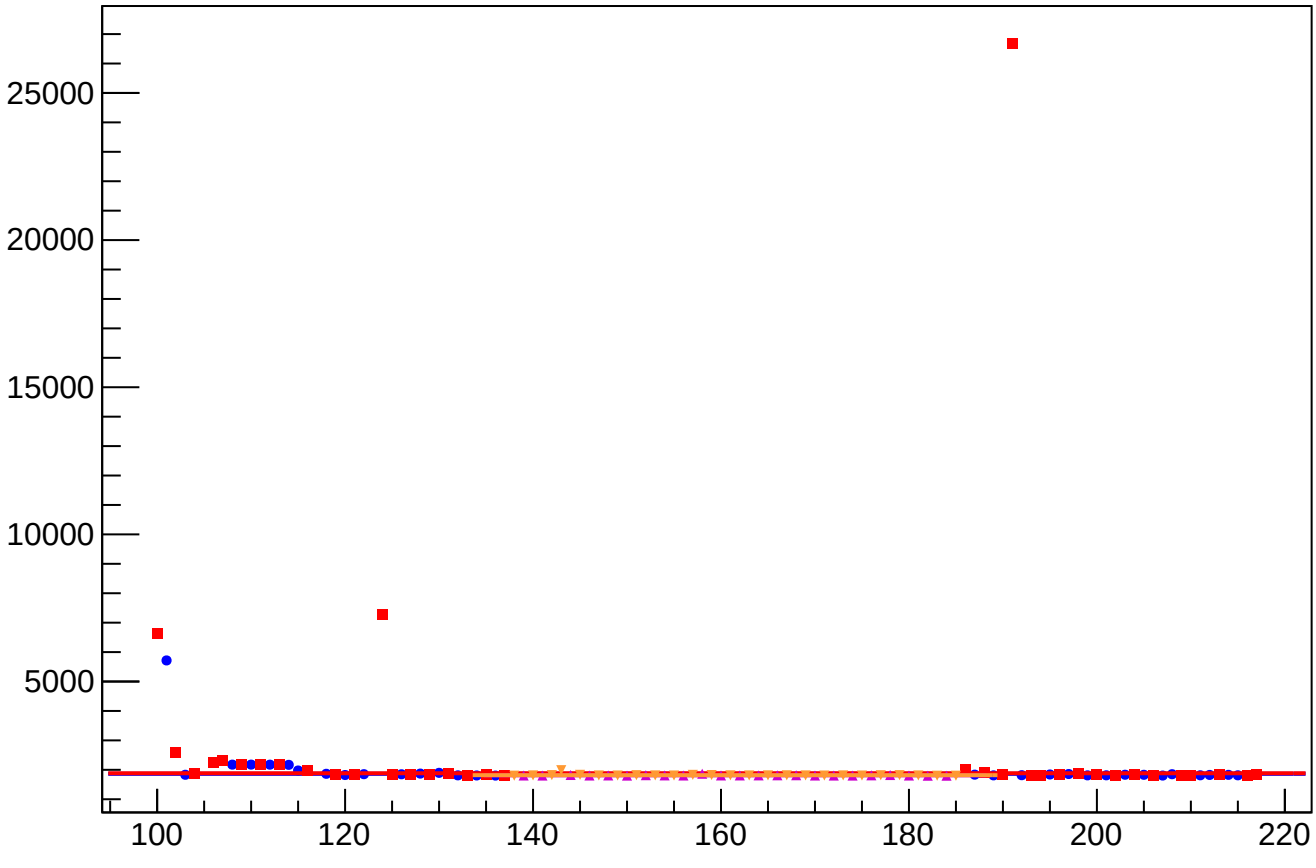
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1884.510+/-299.625 χ^2/NDF: 65.0/66

In: 2050.953+/-300.852 χ^2/NDF:53.4/53

Out: 1835.323+/-294.381 χ^2/NDF:70.6/60

All: 1940.794+/-210.409 χ^2/NDF: 124.3/114



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: 1882.805+/-0.297 χ^2/NDF: 748987.0/35

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

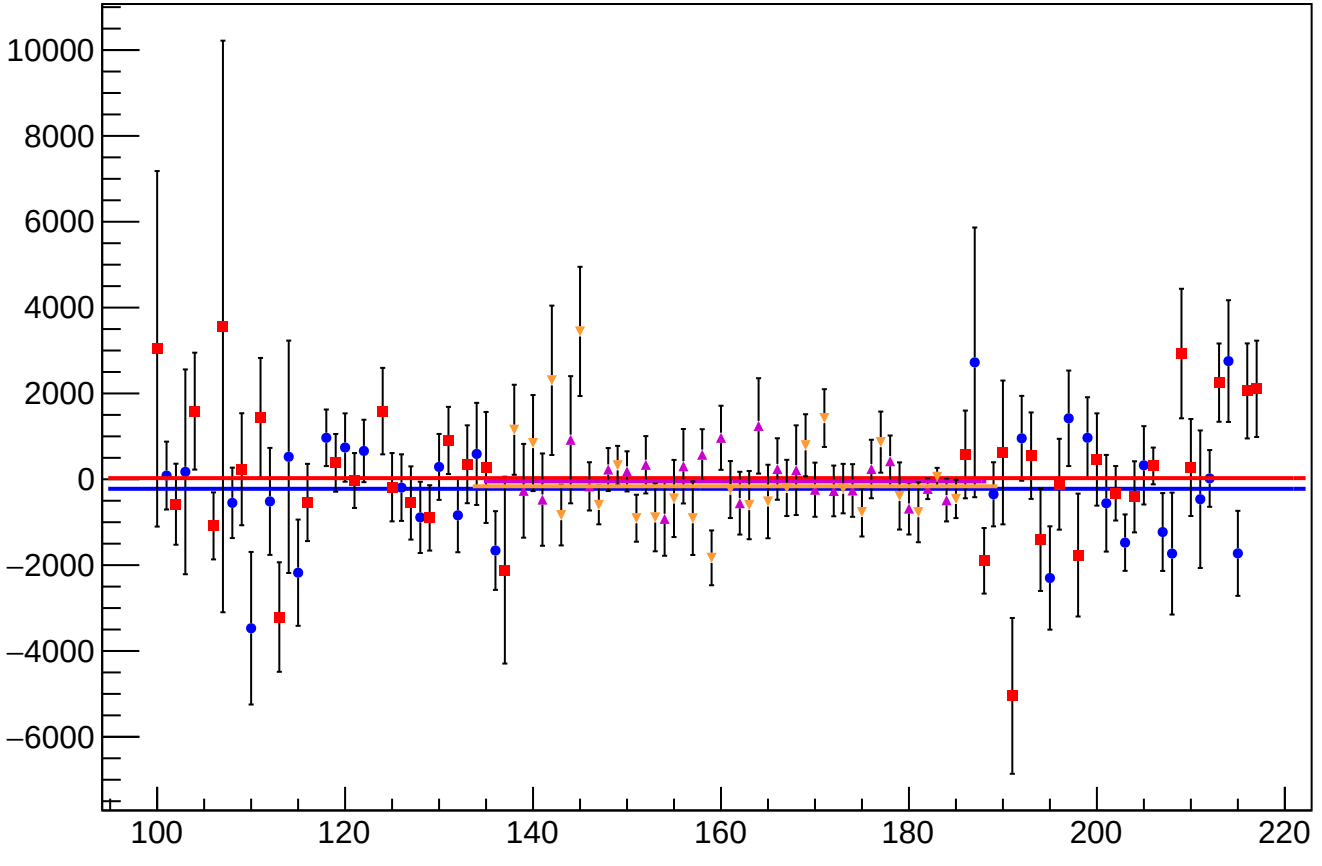
Right: 1873.130+/-0.212 χ^2/NDF: 1421533.3/66

In: 1837.543+/-0.213 χ^2/NDF:686502.3/53

Out: 1849.624+/-0.208 χ^2/NDF:786523.5/60

All: 1843.715+/-0.149 χ^2/NDF: 1474673.4/11

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -221.544+/-170.030 χ^2/NDF: 39.4/30

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 26.823+/-156.153 χ^2/NDF: 55.1/35

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

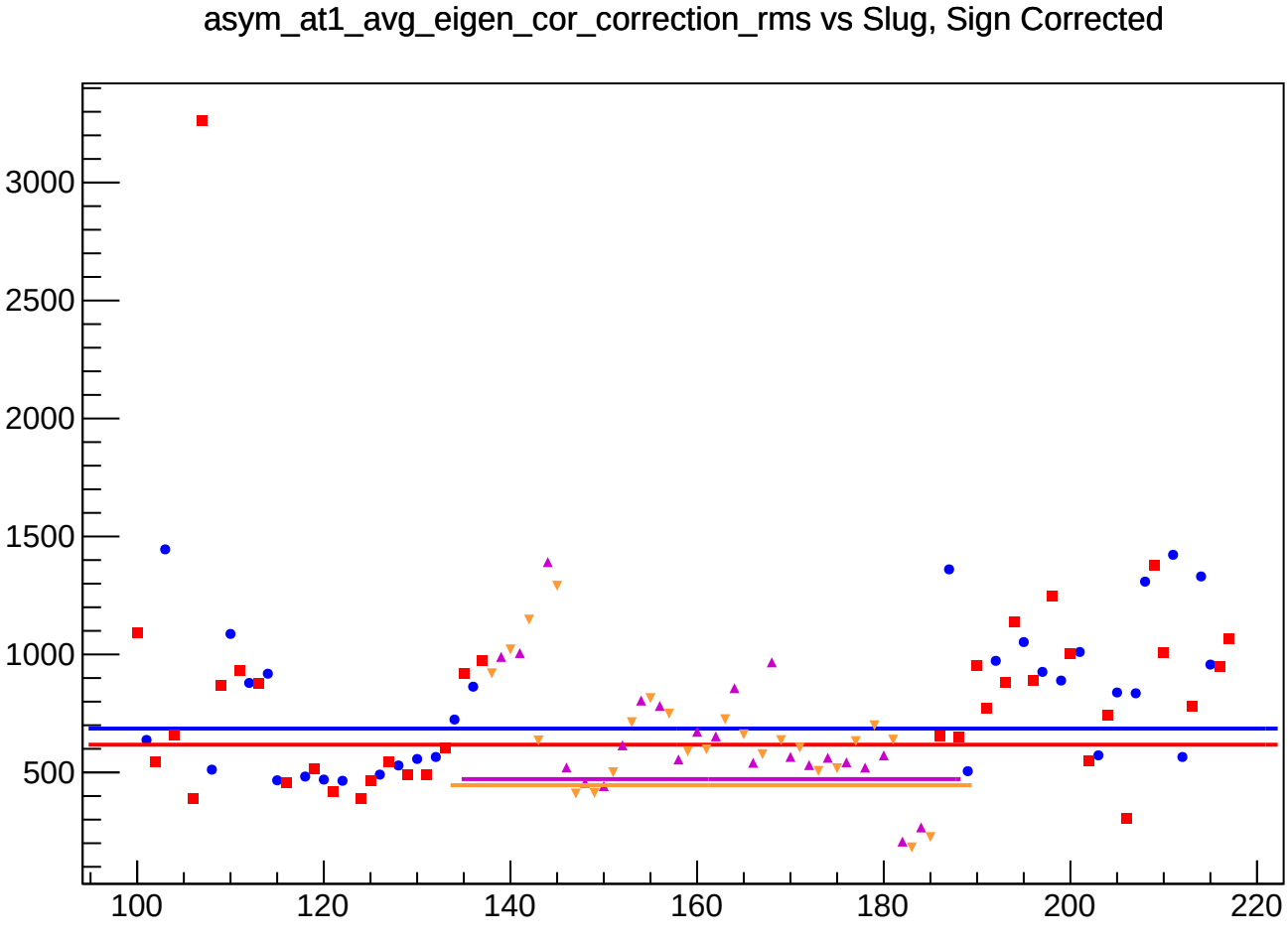
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -86.813+/-115.010 χ^2/NDF: 95.7/66

In: -108.284+/-99.495 χ^2/NDF:51.4/53

Out: -95.973+/-92.750 χ^2/NDF:92.9/60

All: -101.697+/-67.843 χ^2/NDF: 144.3/114



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: 617.515+/-0.110 χ^2/NDF: 5376914.5/35

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

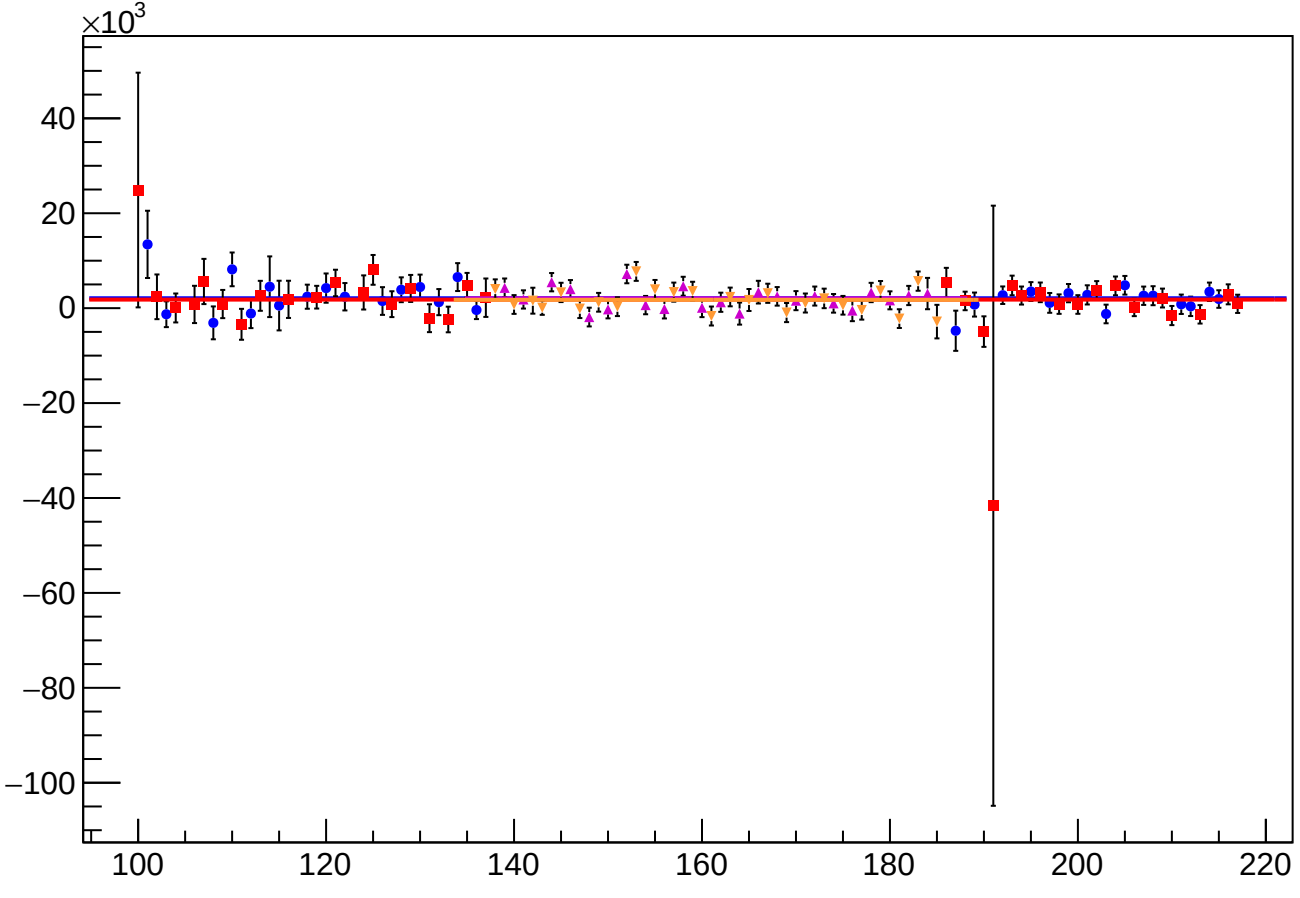
Right: 648.840+/-0.081 χ^2/NDF: 9496636.3/66

In: 545.109+/-0.070 χ^2/NDF:12445171.2/53

Out: 506.425+/-0.066 χ^2/NDF:14924813.4/60

All: 524.411+/-0.048 χ^2/NDF: 27531749.9/1

dit_asym_at1_avg_mean vs Slug, Sign Corrected



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: 1803.792+/-421.924 χ^2/NDF: 36.1/35

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

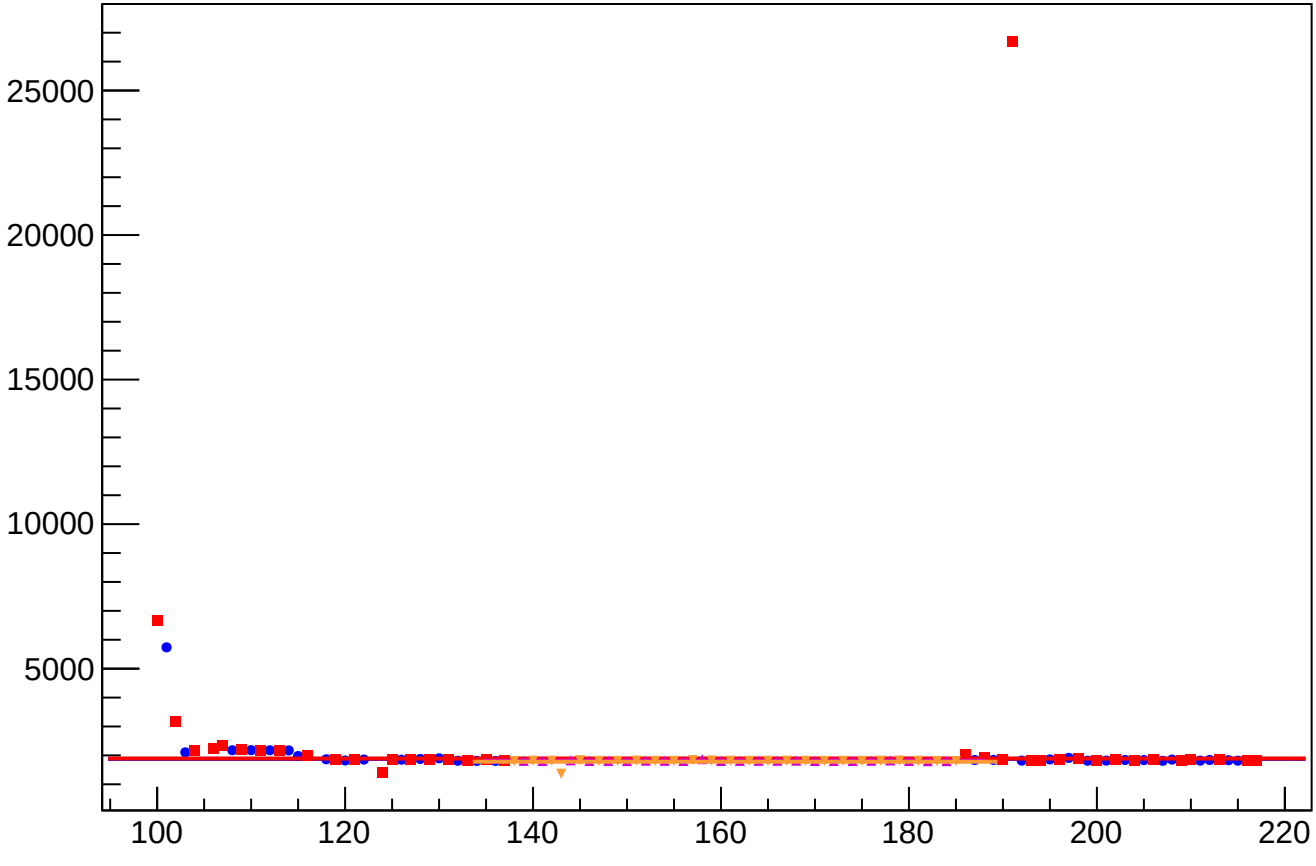
Right: 1942.199+/-301.683 χ^2/NDF: 63.5/66

In: 2080.084+/-302.311 χ^2/NDF:54.2/53

Out: 1778.678+/-292.329 χ^2/NDF:69.9/60

All: 1924.323+/-210.148 χ^2/NDF: 124.6/114

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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: 1891.100+/-0.298 χ^2/NDF: 702785.5/35

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

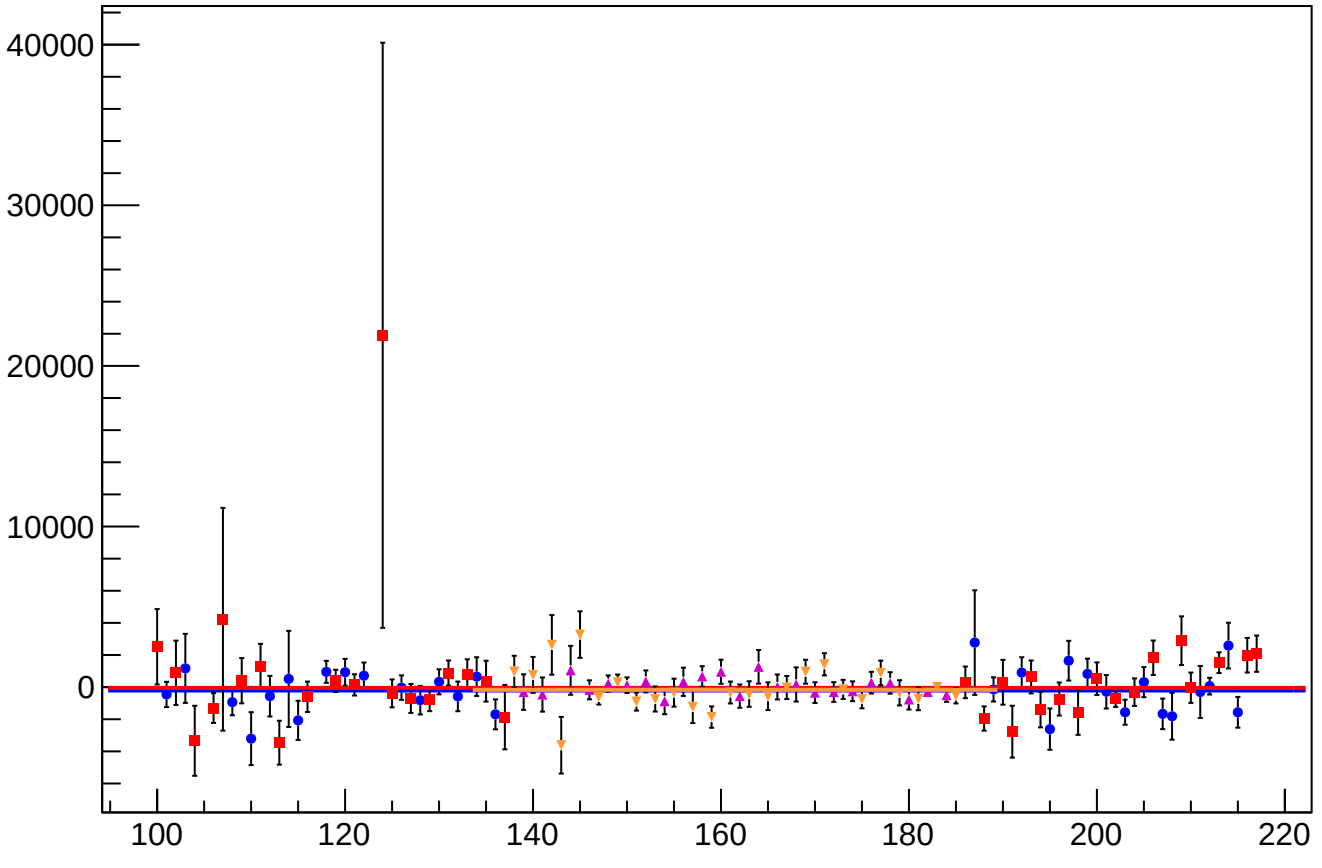
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1885.142+/-0.213 χ^2/NDF: 1386804.6/66

In: 1846.078+/-0.214 χ^2/NDF:708032.9/53

Out: 1833.807+/-0.207 χ^2/NDF:938646.2/60

All: 1839.736+/-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: -45.677+/-164.973 χ^2/NDF: 55.4/35

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

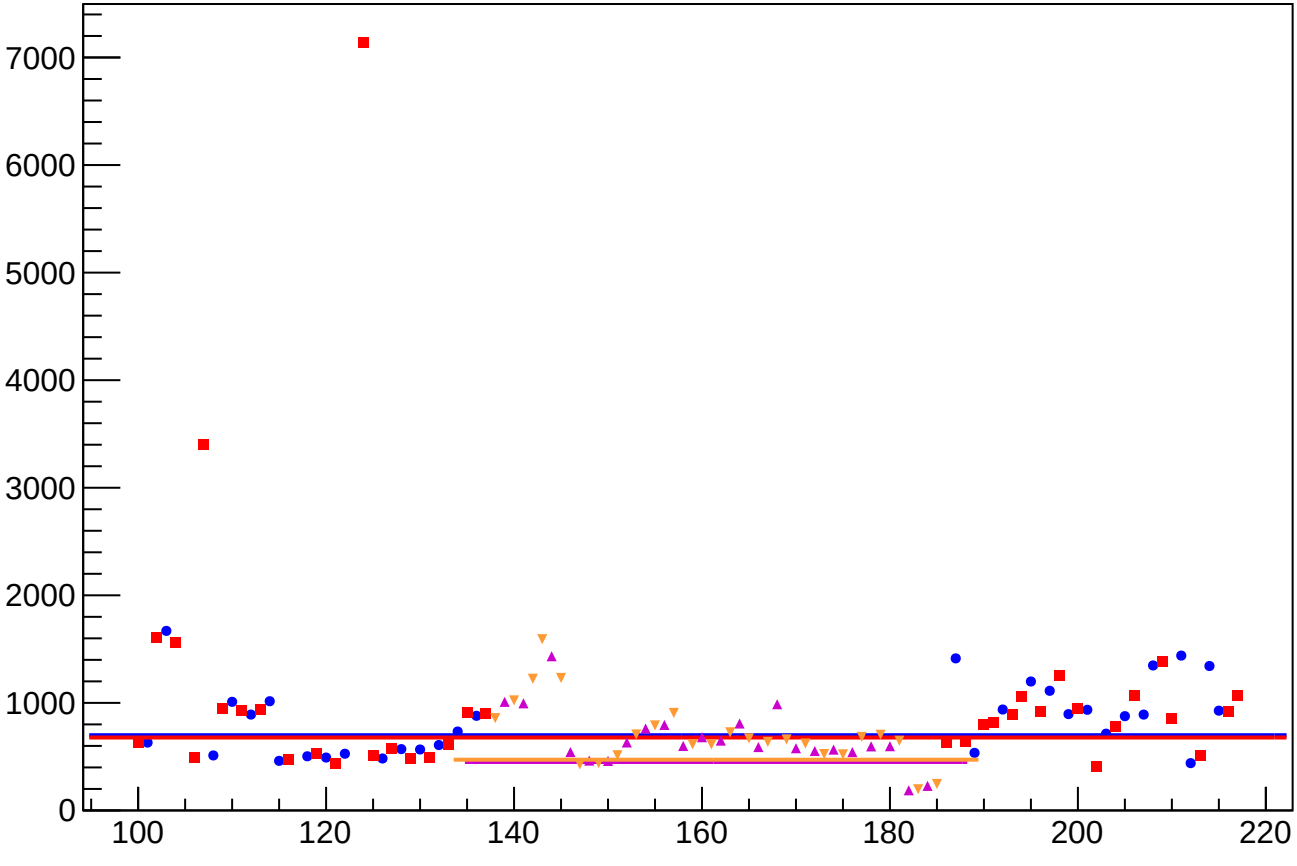
Right: -124.289+/-118.834 χ^2/NDF: 95.3/66

In: -147.367+/-98.162 χ^2/NDF:51.9/53

Out: -124.865+/-97.898 χ^2/NDF:94.1/60

All: -136.086+/-69.318 χ^2/NDF: 146.1/114

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



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: 678.013+/-0.117 χ^2/NDF: 5361214.2/35

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

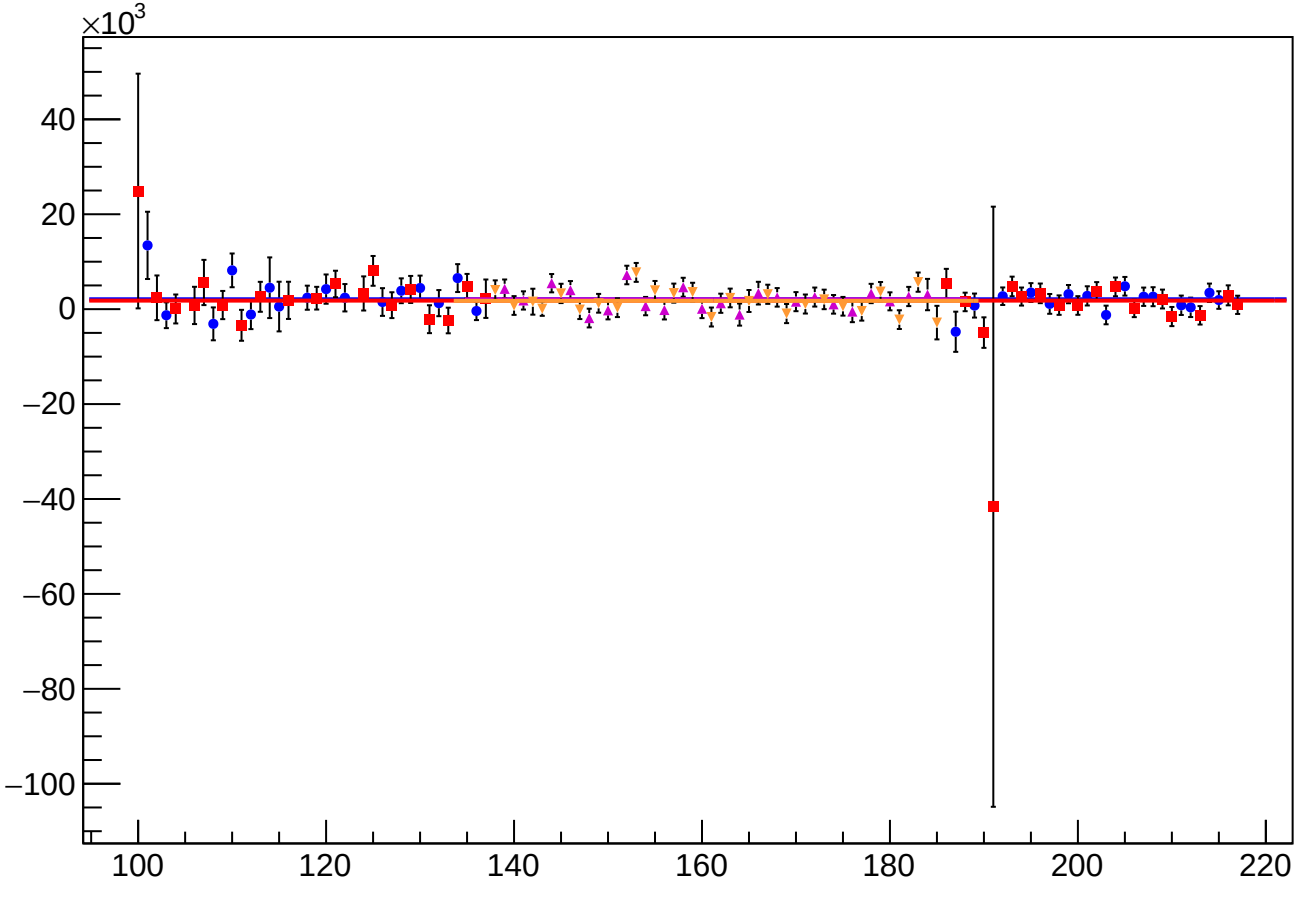
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 688.407+/-0.084 χ^2/NDF: 9870017.7/66

In: 532.386+/-0.069 χ^2/NDF:15257647.9/53

Out: 544.402+/-0.069 χ^2/NDF:15498827.3/60

All: 538.410+/-0.049 χ^2/NDF: 30771501.5/1



Right In: 2086.976+/-431.526 χ^2/NDF: 27.2/30

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1803.791+/-421.924 χ^2/NDF: 36.1/35

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

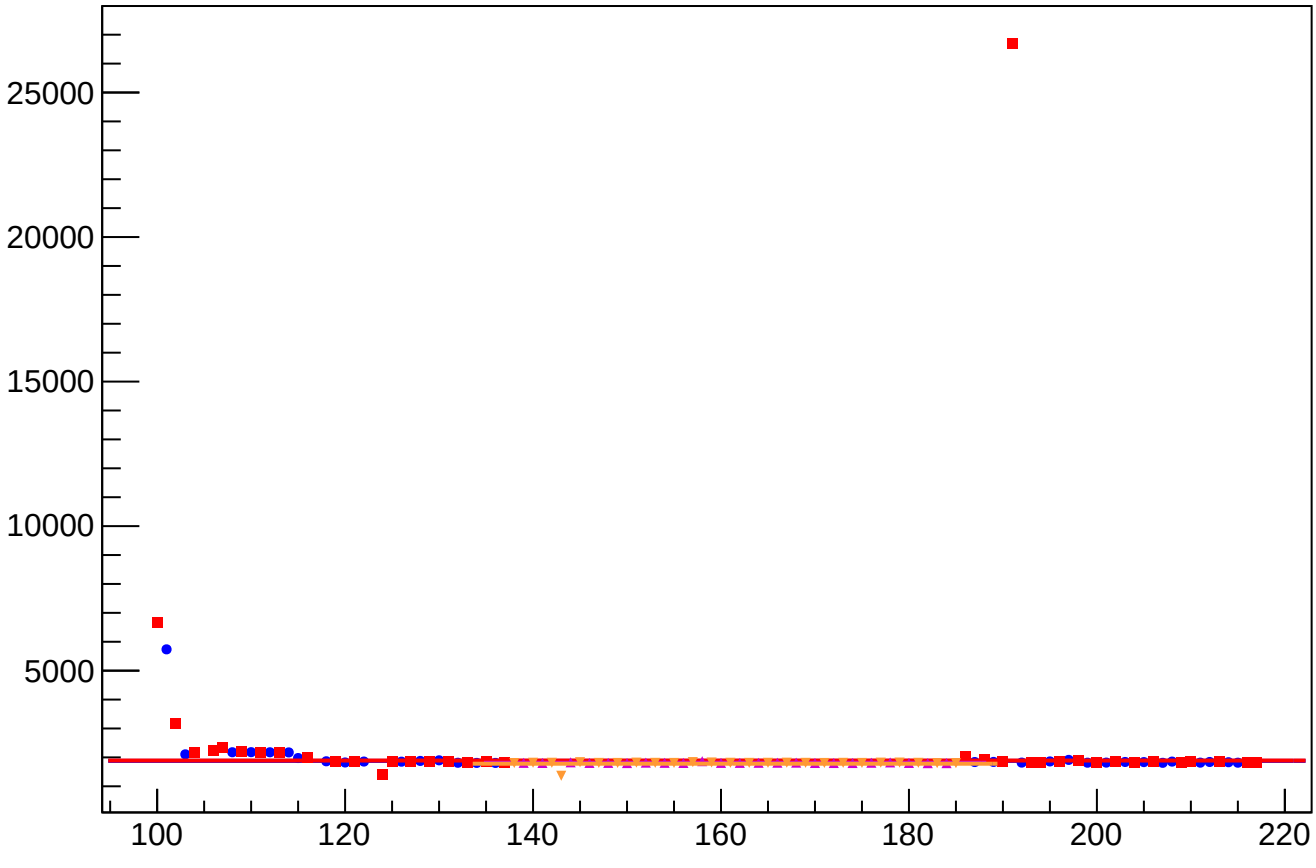
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1942.198+/-301.683 χ^2/NDF: 63.5/66

In: 2080.084+/-302.311 χ^2/NDF:54.2/53

Out: 1778.678+/-292.329 χ^2/NDF:69.9/60

All: 1924.322+/-210.148 χ^2/NDF: 124.6/114



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: 1891.100+/-0.298 χ^2/NDF: 702784.1/35

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

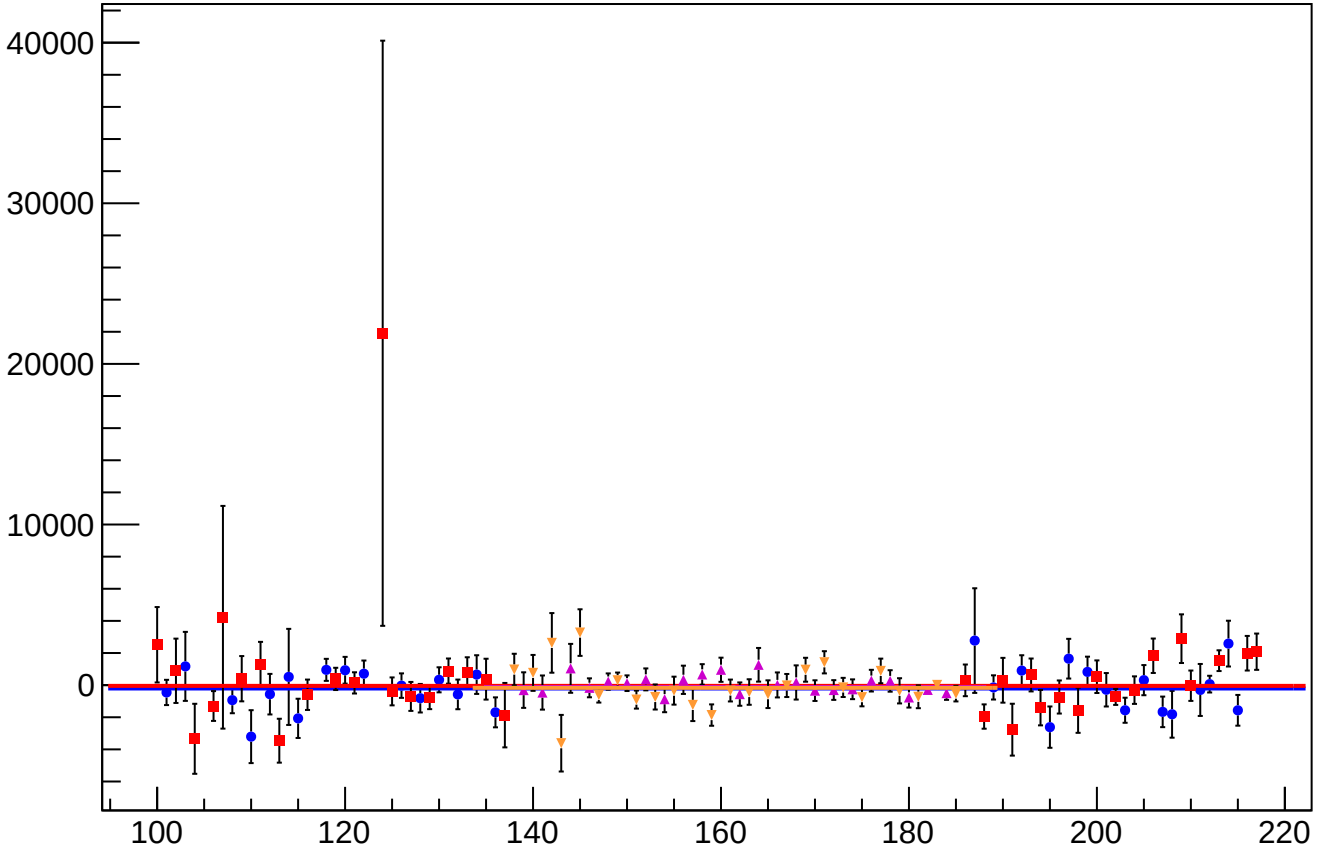
Right: 1885.142+/-0.213 χ^2/NDF: 1386802.7/66

In: 1846.078+/-0.214 χ^2/NDF:708032.4/53

Out: 1833.807+/-0.207 χ^2/NDF:938644.6/60

All: 1839.736+/-0.149 χ^2/NDF: 1648379.9/11

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -209.069+/-171.322 χ^2/NDF: 39.4/30

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -45.677+/-164.973 χ^2/NDF: 55.4/35

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

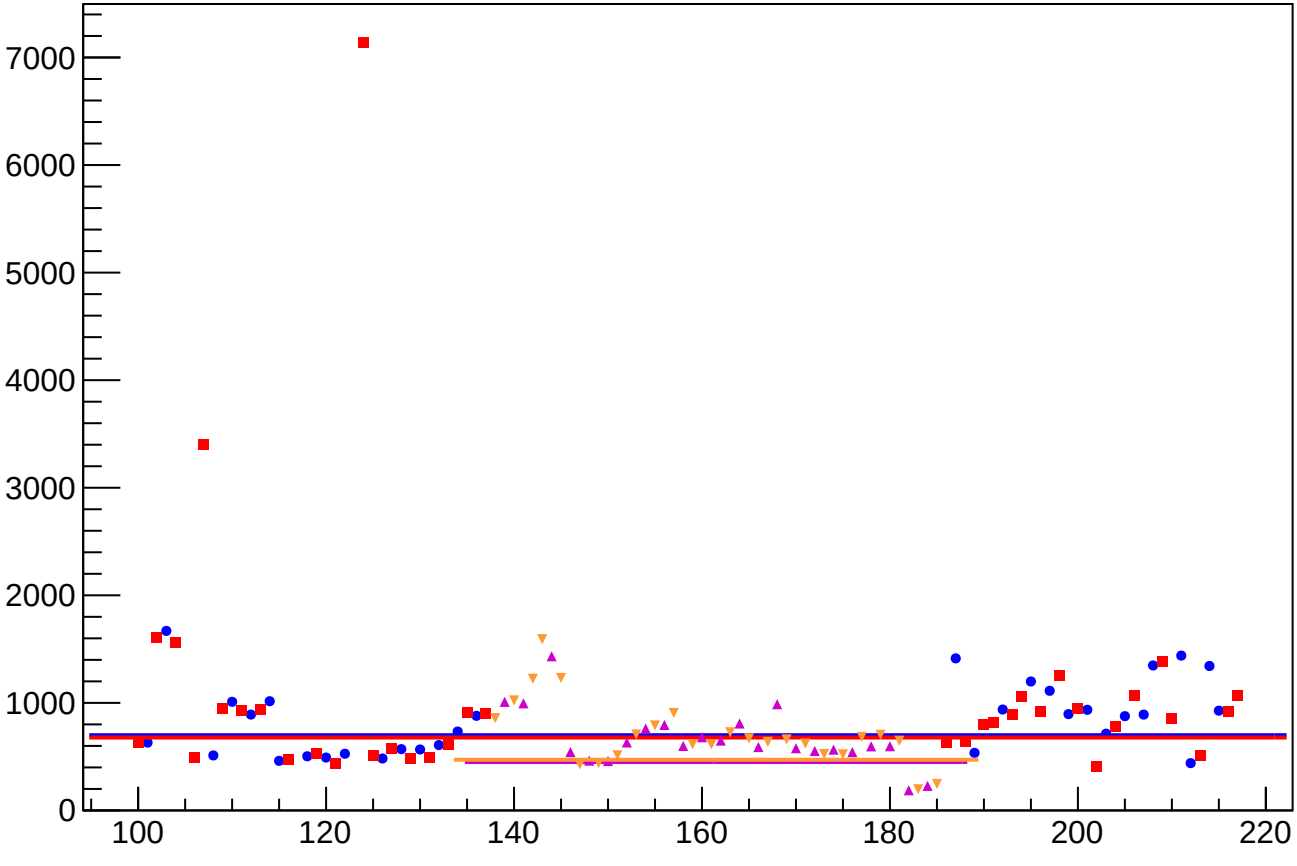
Right: -124.289+/-118.834 χ^2/NDF: 95.3/66

In: -147.368+/-98.162 χ^2/NDF:51.9/53

Out: -124.866+/-97.898 χ^2/NDF:94.1/60

All: -136.086+/-69.318 χ^2/NDF: 146.1/114

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 678.013+/-0.117 χ^2/NDF: 5361232.1/35

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

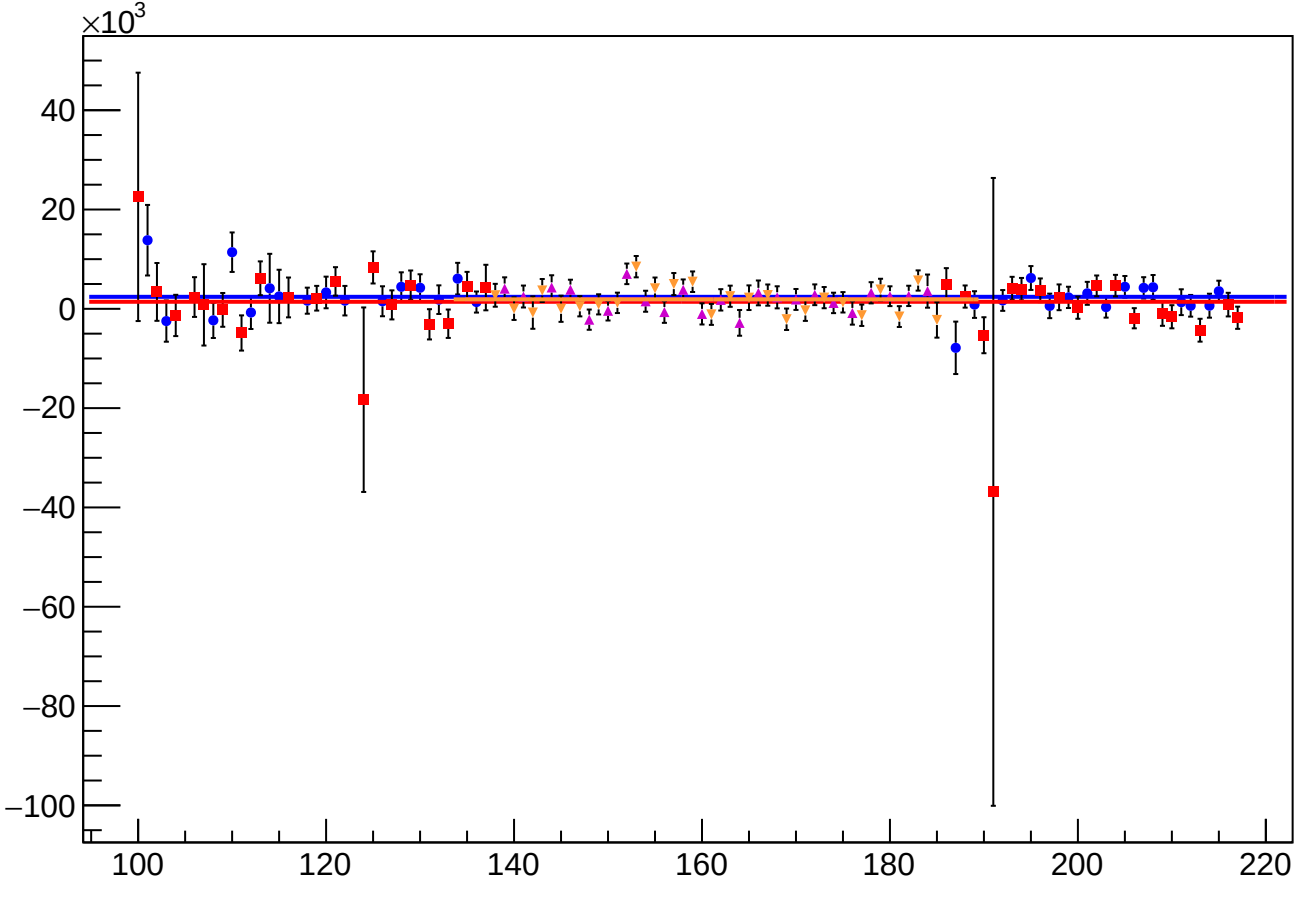
Right: 688.407+/-0.084 χ^2/NDF: 9870065.4/66

In: 532.386+/-0.069 χ^2/NDF:15257628.7/53

Out: 544.403+/-0.069 χ^2/NDF:15498829.5/60

All: 538.411+/-0.049 χ^2/NDF: 30771484.3/11

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: 1419.464+/-478.722 χ^2/NDF: 49.3/35

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

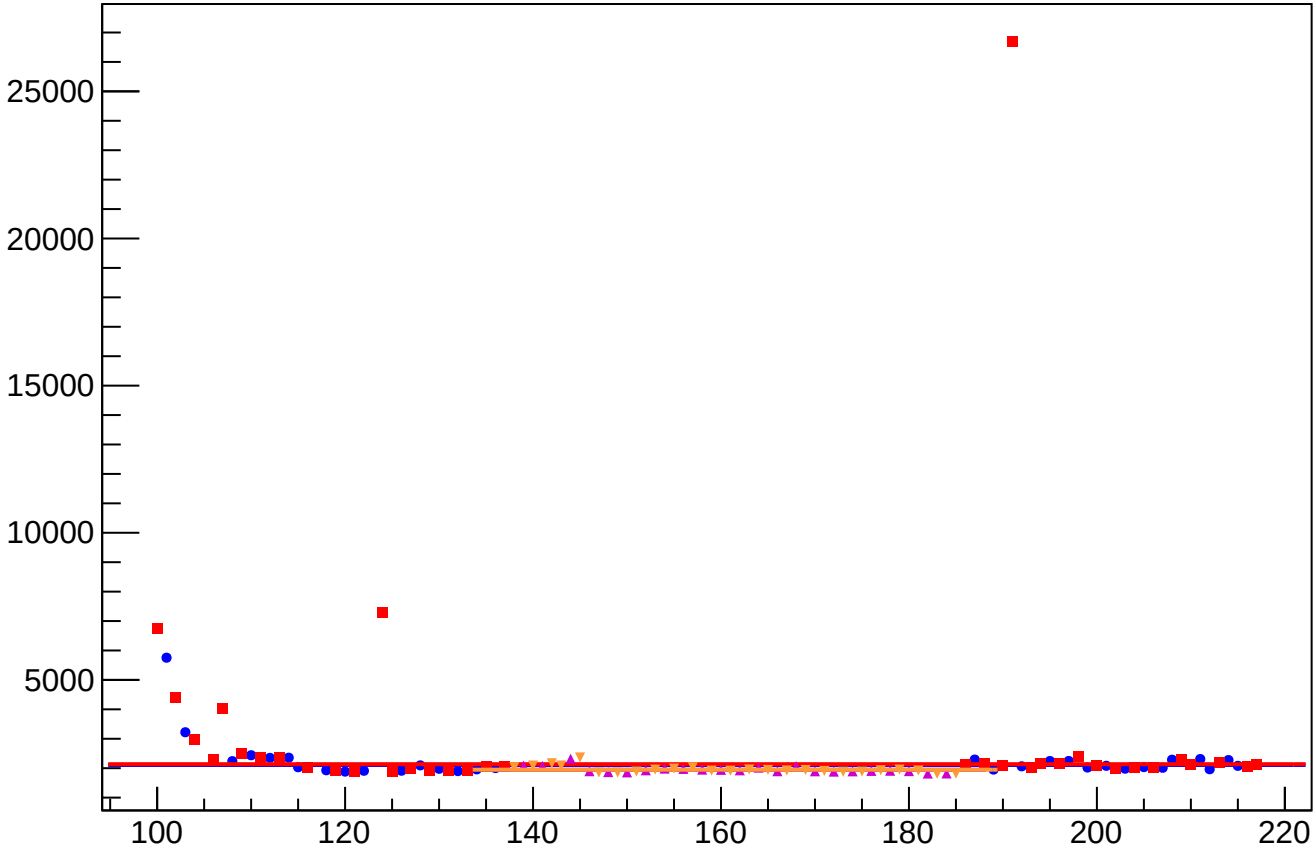
Right: 1911.301+/-341.020 χ^2/NDF: 78.3/66

In: 2156.101+/-332.076 χ^2/NDF:52.1/53

Out: 1682.011+/-325.351 χ^2/NDF:86.2/60

All: 1914.207+/-232.399 χ^2/NDF: 139.3/114

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: 2135.739+/-0.339 χ^2/NDF: 1189834.4/35

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

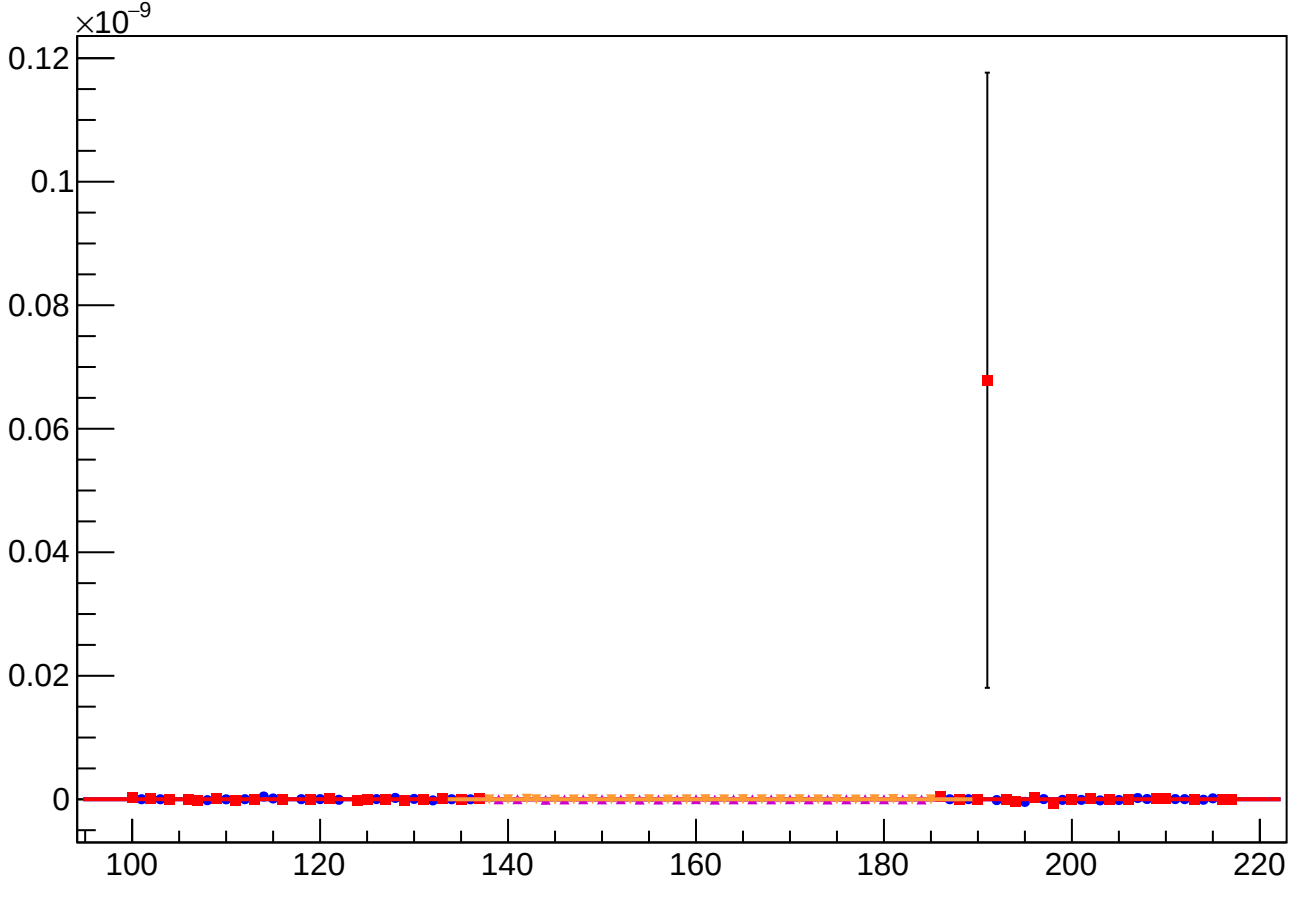
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2122.711+/-0.241 χ^2/NDF: 2033595.4/66

In: 2021.803+/-0.235 χ^2/NDF:1058361.9/53

Out: 2035.254+/-0.230 χ^2/NDF:1462115.9/60

All: 2028.666+/-0.164 χ^2/NDF: 2522152.1/11



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: 31.5/35

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

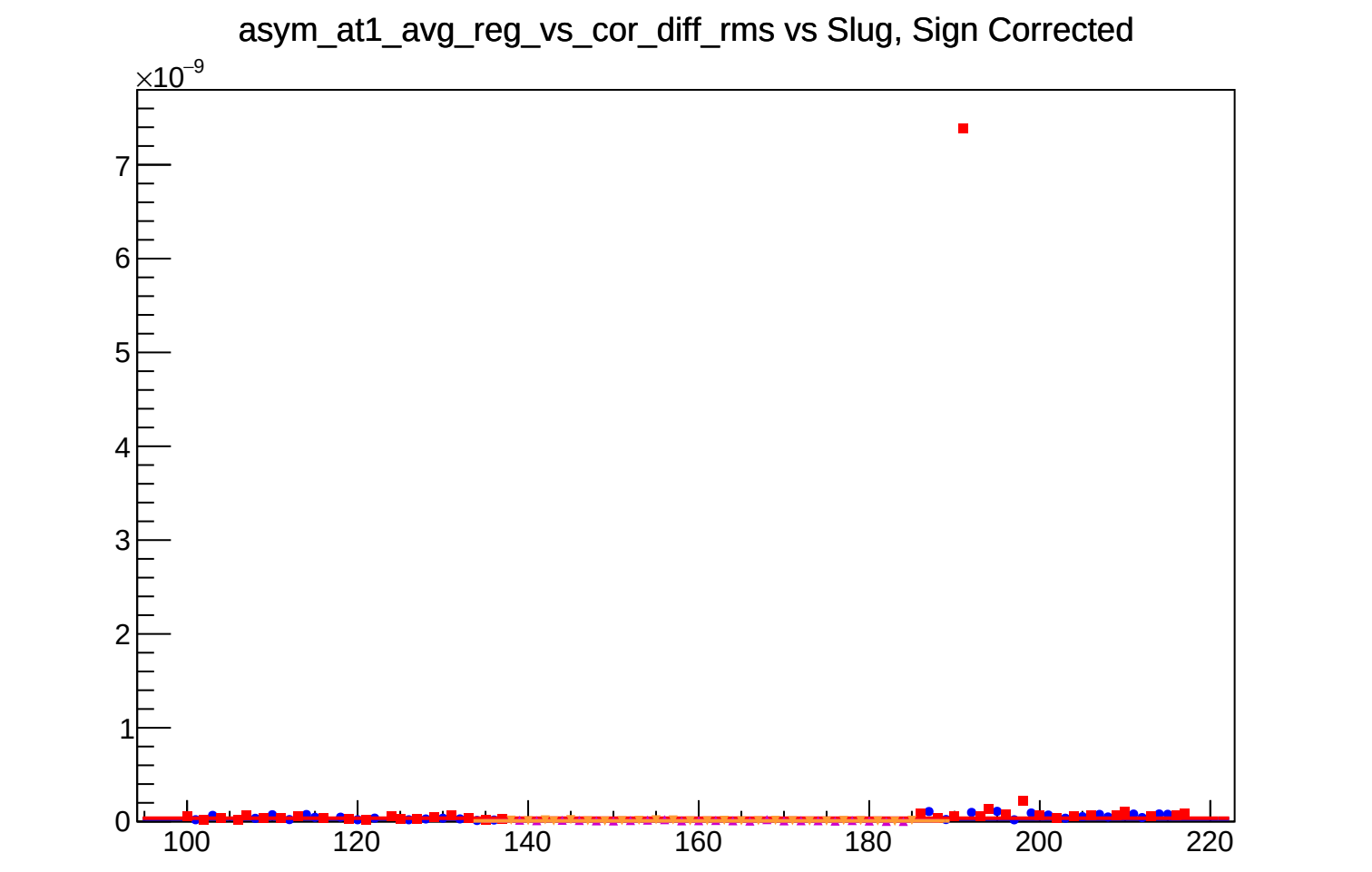
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 67.4/66

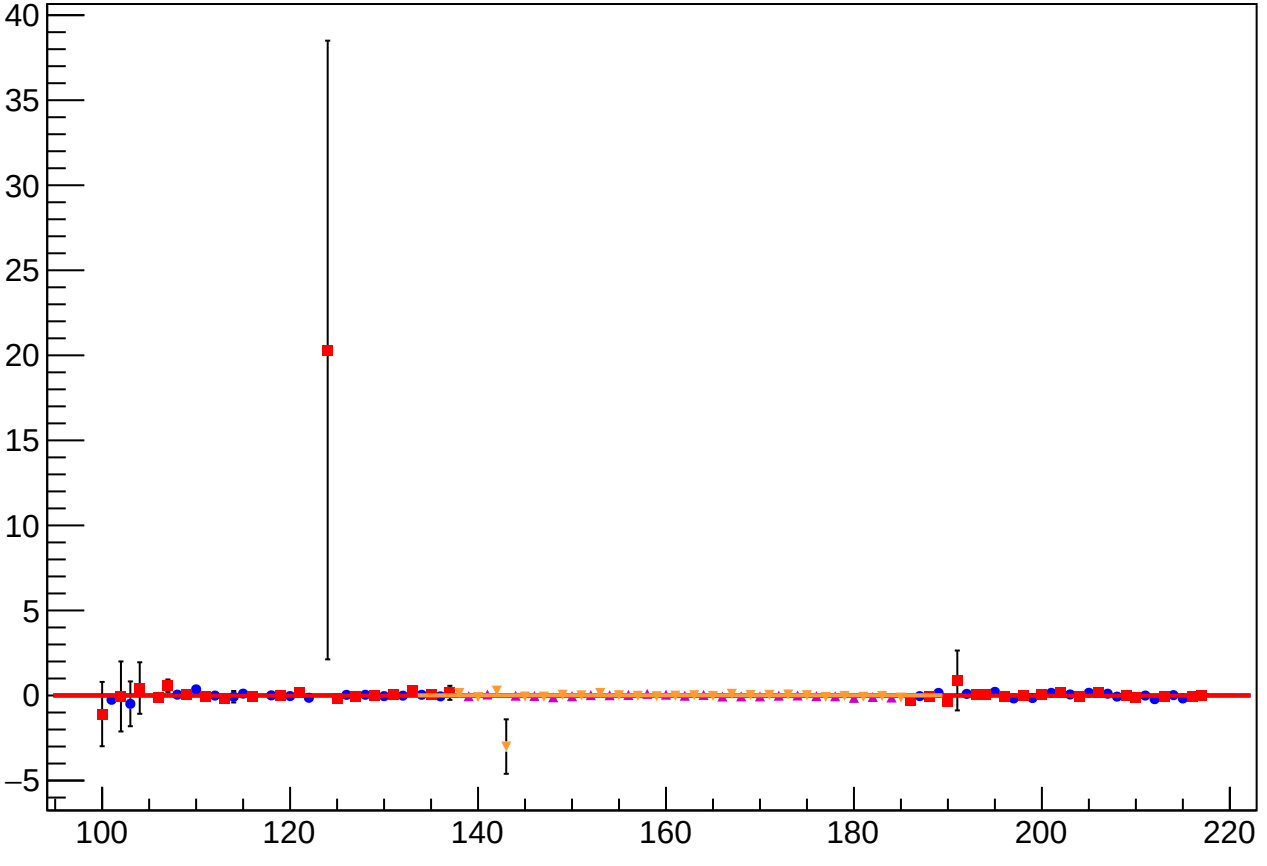
In: -0.000+/-0.000 χ^2/NDF:67.5/53

Out: 0.000+/-0.000 χ^2/NDF:61.0/60

All: -0.000+/-0.000 χ^2/NDF: 129.1/114


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: 4147294.8/35
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: 9116765.4/66
In: 0.000+/-0.000 χ²/NDF:12242479.3/53
Out: 0.000+/-0.000 χ²/NDF:12951645.5/60
All: 0.000+/-0.000 χ²/NDF: 25199795.3/114

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: -0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

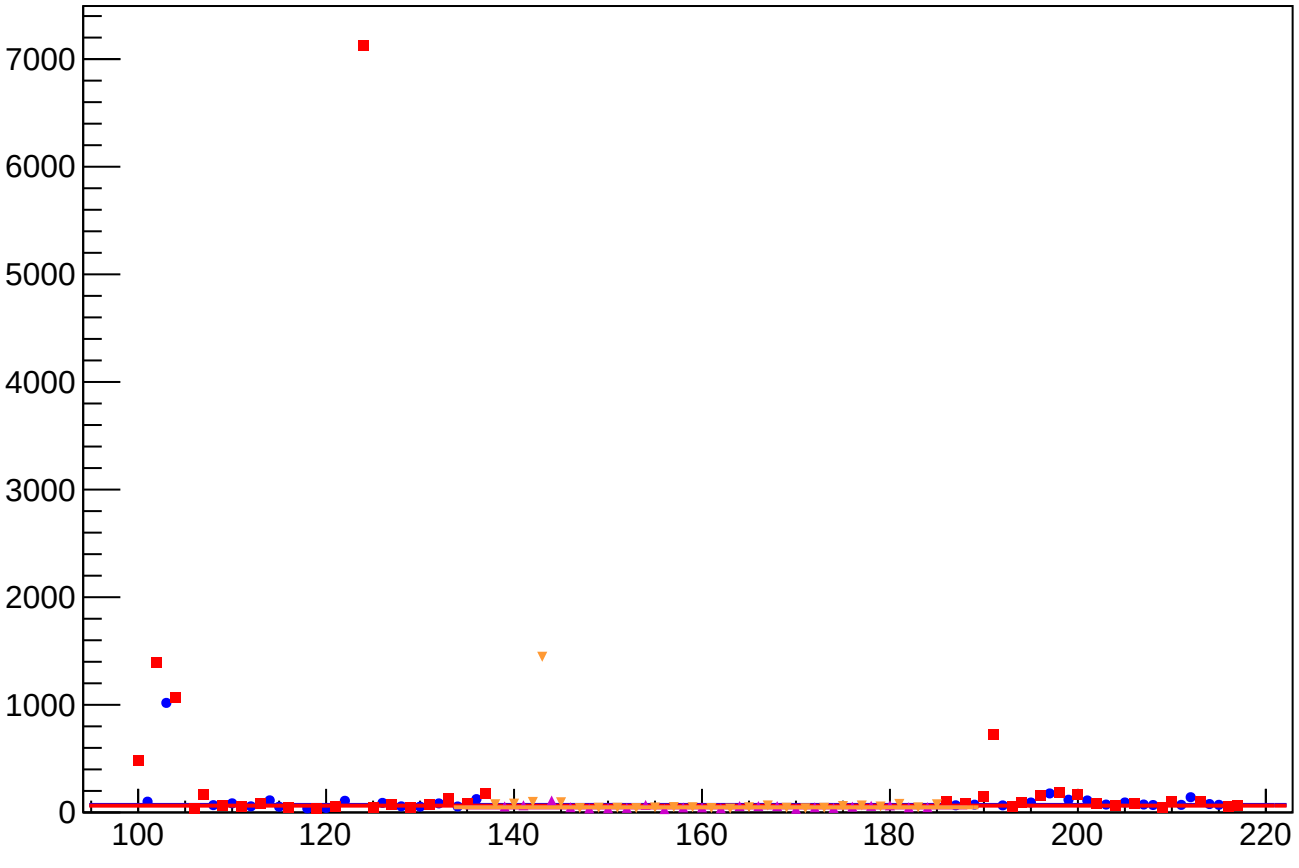
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.001+/-0.013 χ^2/NDF: 63.8/66

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.003+/-0.010 χ^2/NDF:62.6/60

All: -0.003+/-0.007 χ^2/NDF: 116.6/114



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: 63.295+/-0.012 χ^2/NDF: 6795619.3/35

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

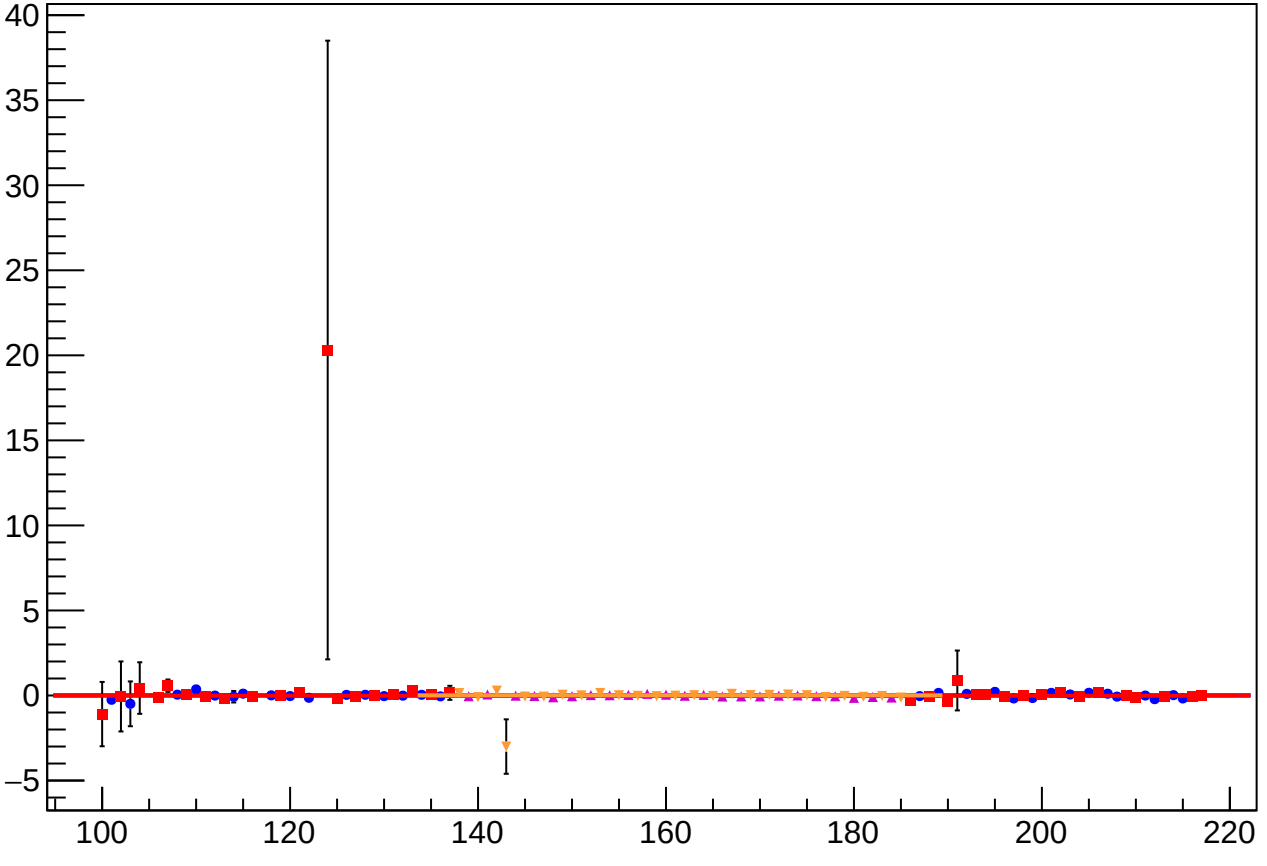
Right: 66.372+/-0.009 χ^2/NDF: 11156962.8/66

In: 53.631+/-0.007 χ^2/NDF:8287931.2/53

Out: 53.023+/-0.007 χ^2/NDF:11310849.3/60

All: 53.323+/-0.005 χ^2/NDF: 19602319.4/114

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 31.1/30

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

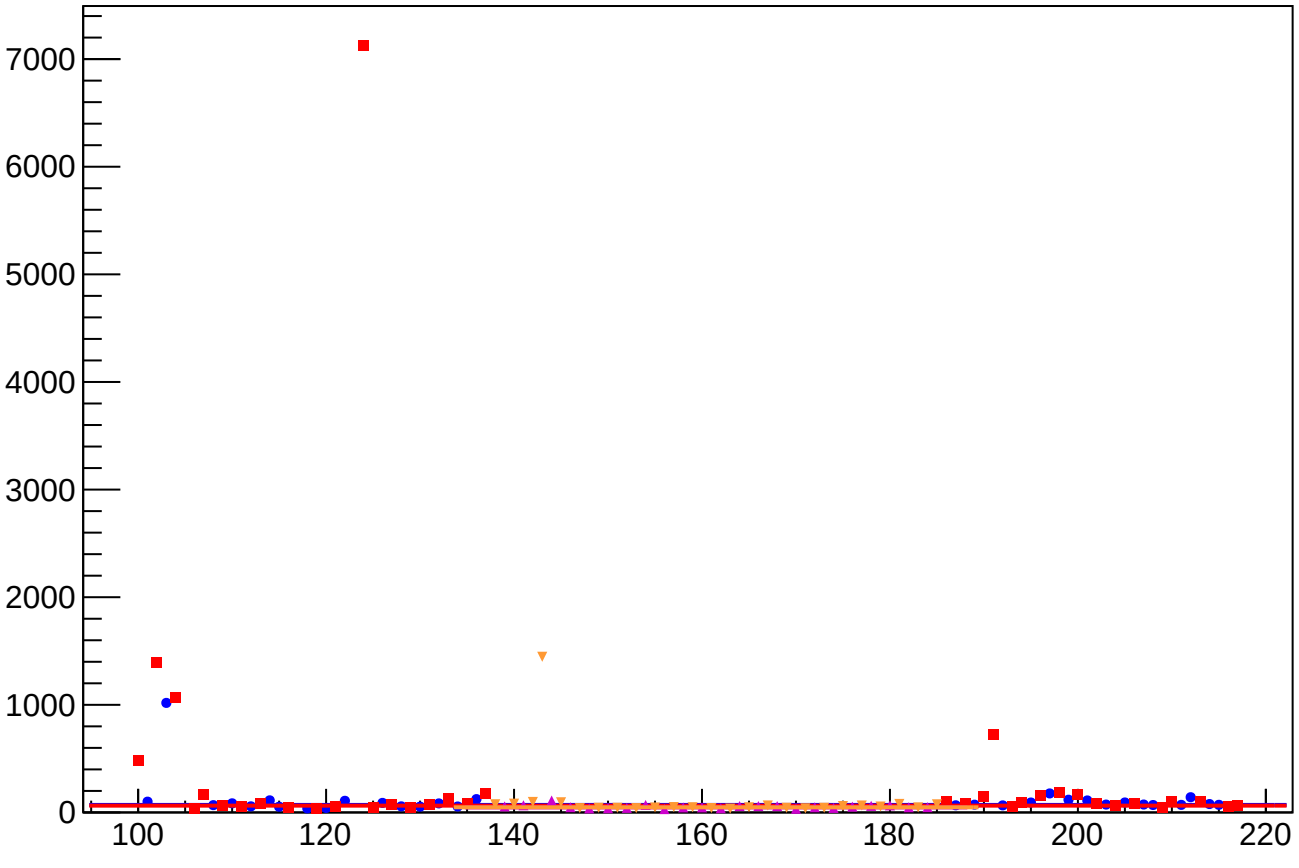
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.001+/-0.013 χ^2/NDF: 63.8/66

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.003+/-0.010 χ^2/NDF:62.6/60

All: -0.003+/-0.007 χ^2/NDF: 116.6/114



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: 63.295+/-0.012 χ^2/NDF: 6795619.3/35

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

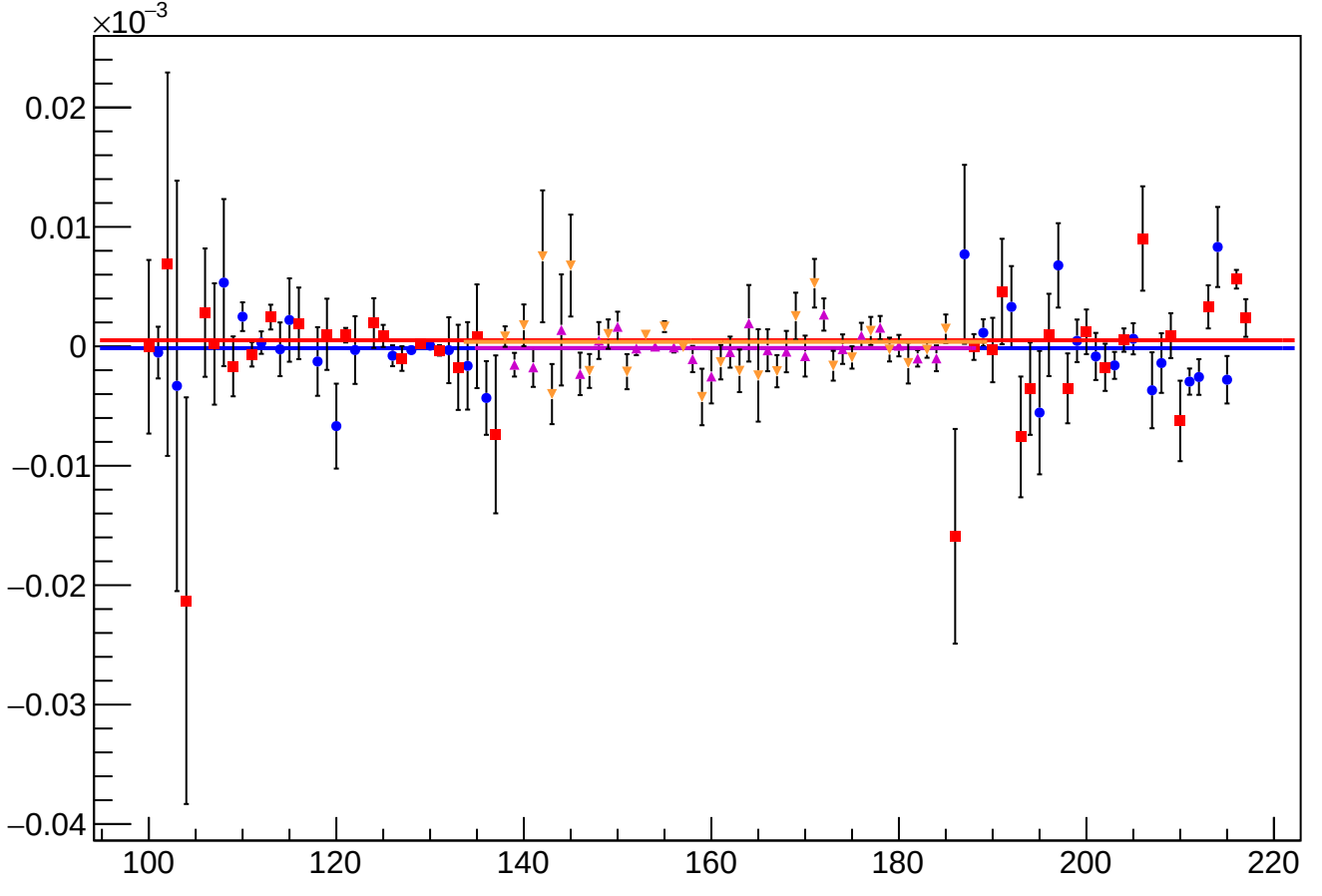
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.372+/-0.009 χ^2/NDF: 11156962.8/66

In: 53.631+/-0.007 χ^2/NDF:8287931.2/53

Out: 53.023+/-0.007 χ^2/NDF:11310849.3/60

All: 53.323+/-0.005 χ^2/NDF: 19602319.4/114



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: 84.1/35

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

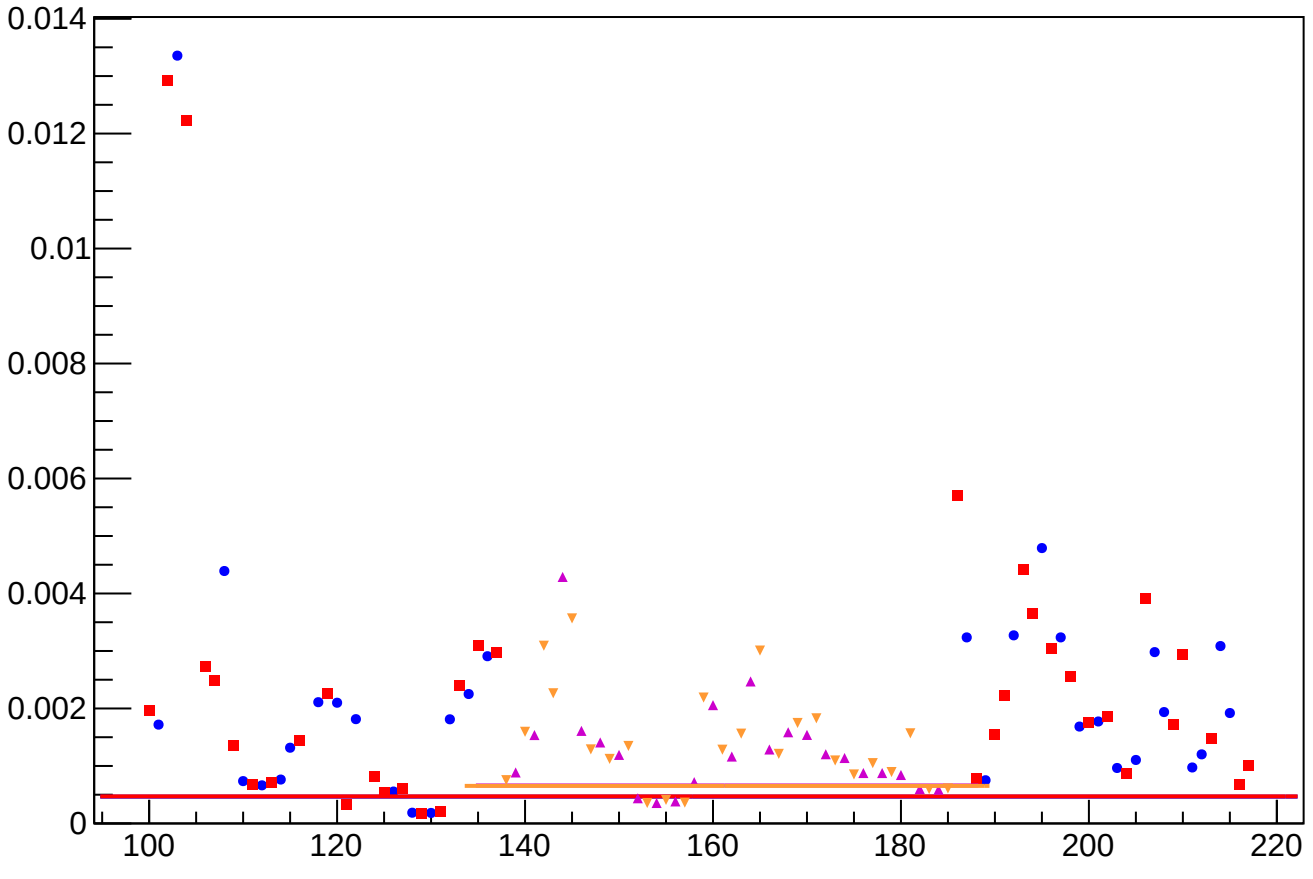
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 133.5/66

In: -0.000+/-0.000 χ^2/NDF:62.3/53

Out: 0.000+/-0.000 χ^2/NDF:136.0/60

All: 0.000+/-0.000 χ^2/NDF: 209.2/114



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: 21895090.5/35

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

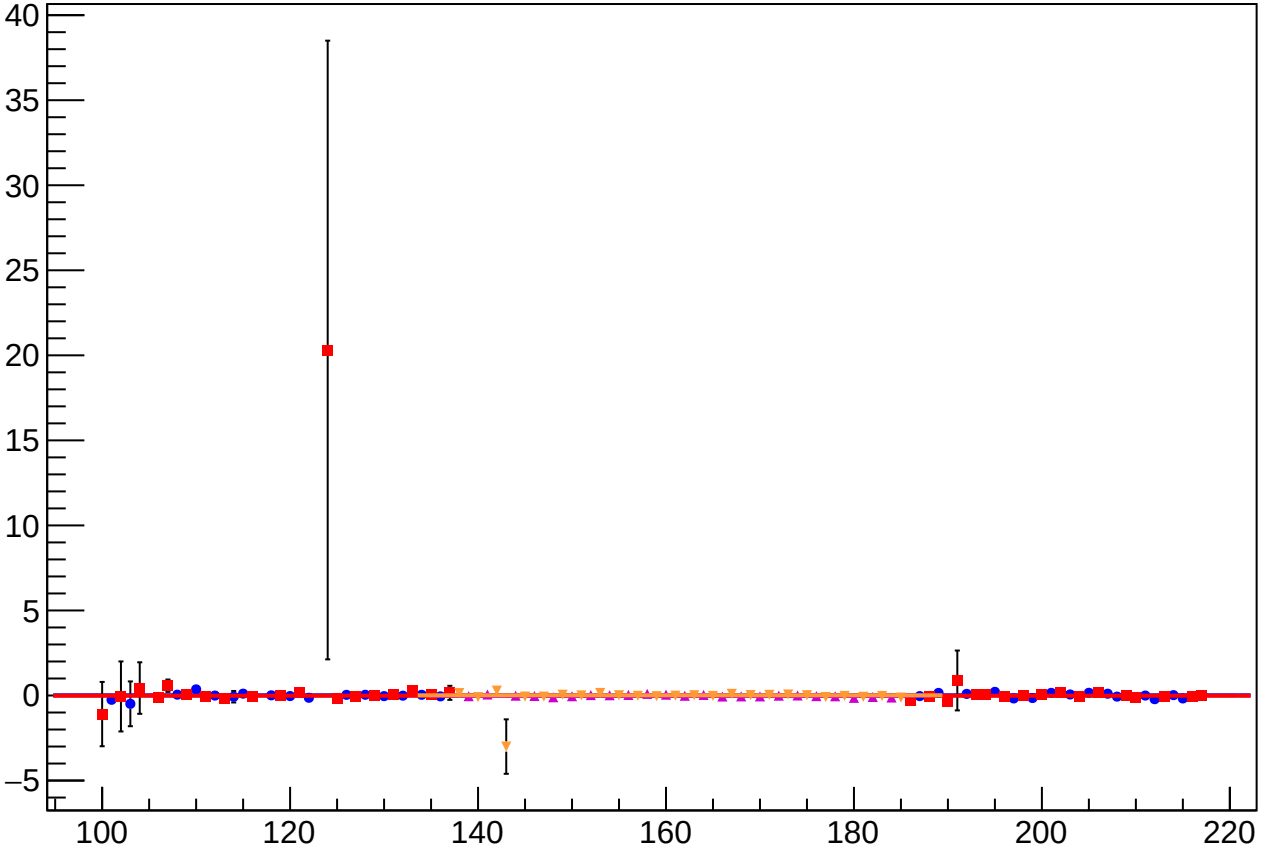
Right: 0.000+/-0.000 χ^2/NDF: 44192449.8/66

In: 0.001+/-0.000 χ^2/NDF:33119480.6/53

Out: 0.001+/-0.000 χ^2/NDF:35022063.6/60

All: 0.001+/-0.000 χ^2/NDF: 68141546.0/114

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: -0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

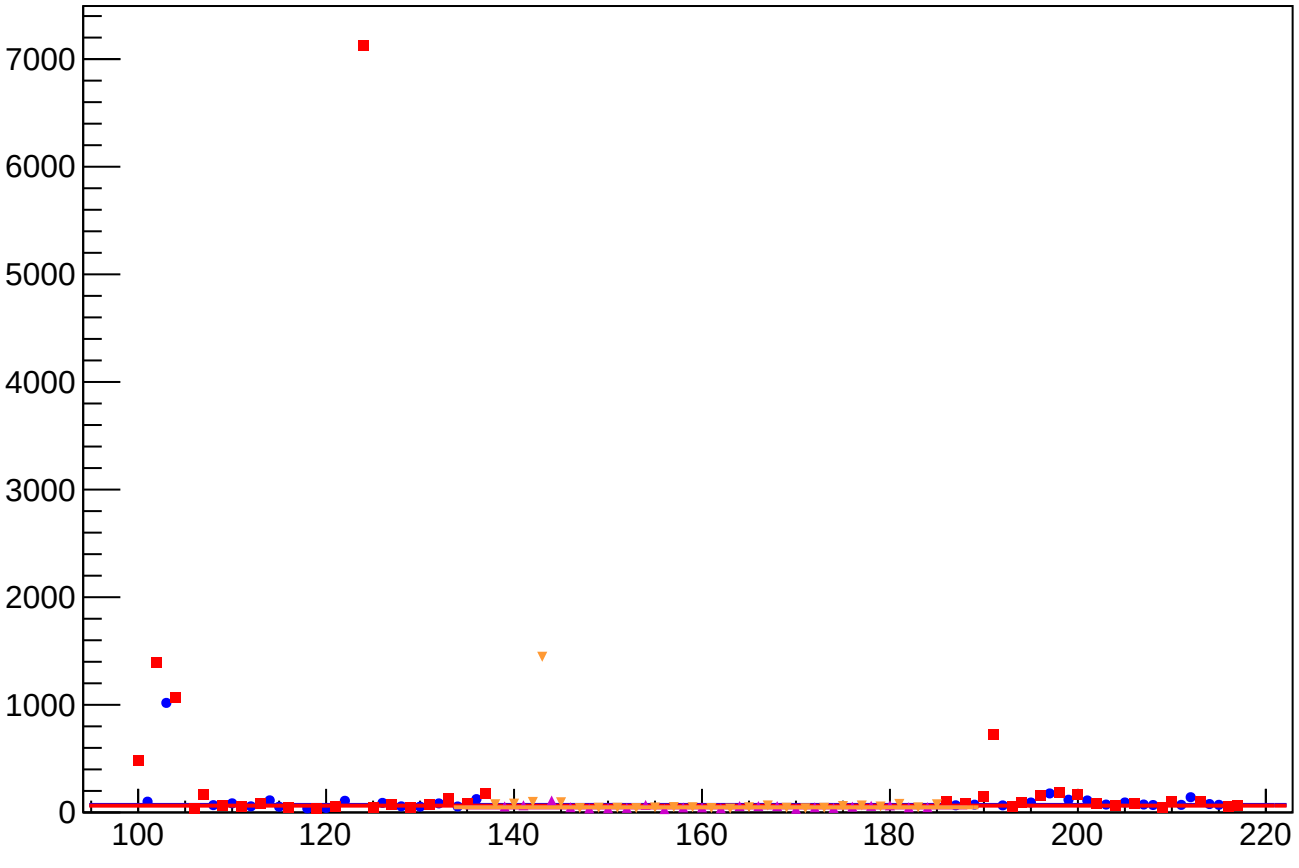
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.001+/-0.013 χ^2/NDF: 63.8/66

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.003+/-0.010 χ^2/NDF:62.7/60

All: -0.003+/-0.007 χ^2/NDF: 116.6/114



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: 63.294+/-0.012 χ^2/NDF: 6795832.5/35

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

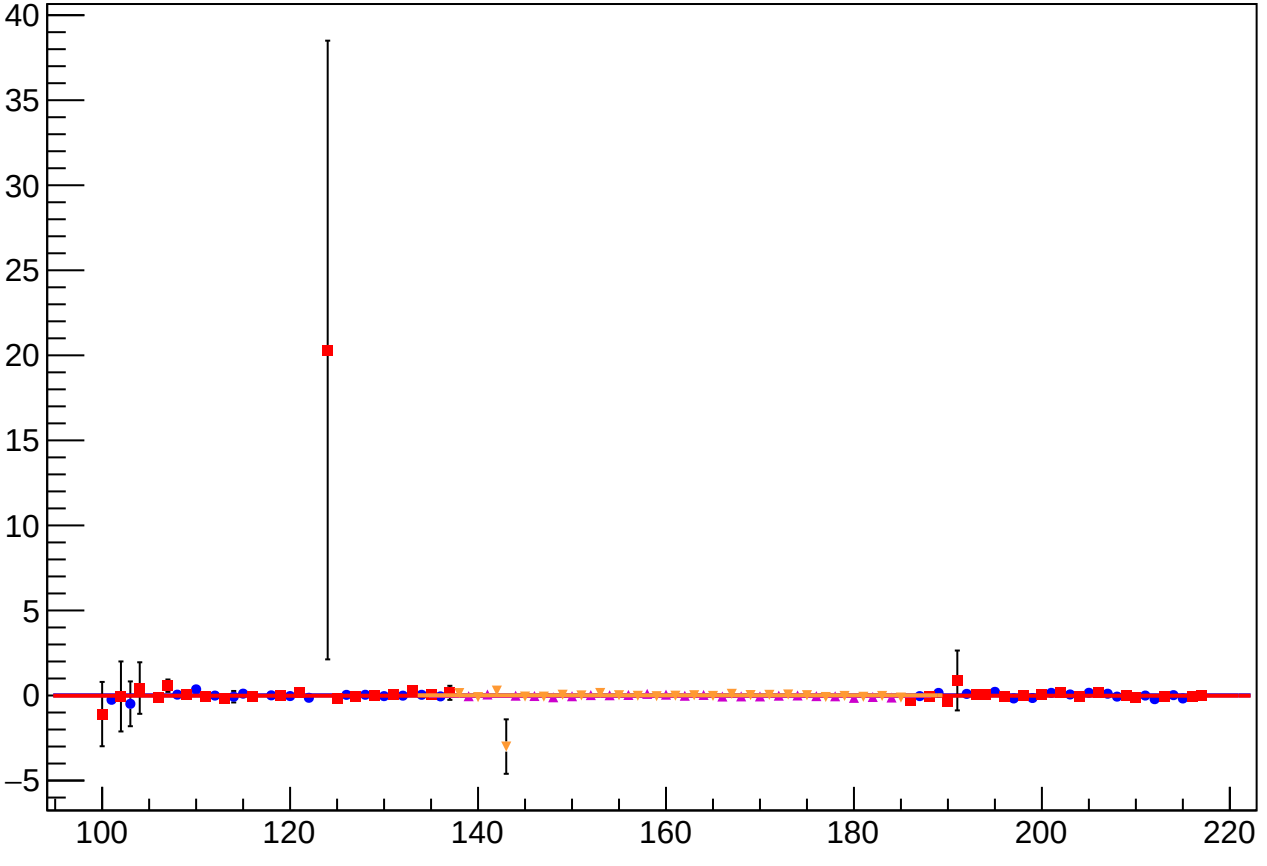
Right: 66.371+/-0.009 χ^2/NDF: 11157274.0/66

In: 53.631+/-0.007 χ^2/NDF:8288018.1/53

Out: 53.023+/-0.007 χ^2/NDF:11310918.9/60

All: 53.323+/-0.005 χ^2/NDF: 19602476.5/114

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: -0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

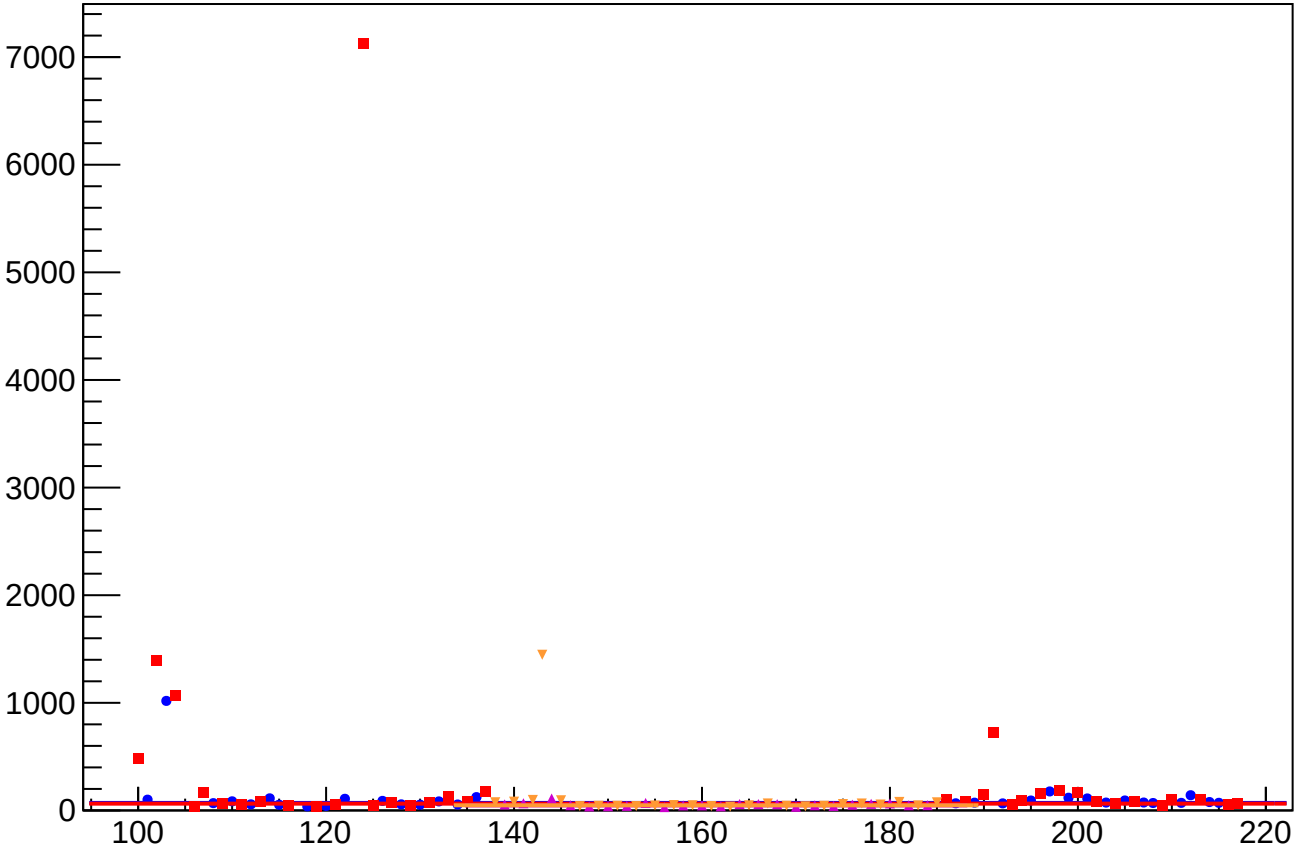
Right: -0.001+/-0.013 χ^2/NDF: 63.8/66

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.003+/-0.010 χ^2/NDF:62.7/60

All: -0.003+/-0.007 χ^2/NDF: 116.6/114

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: 63.294+/-0.012 χ^2/NDF: 6795832.5/35

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

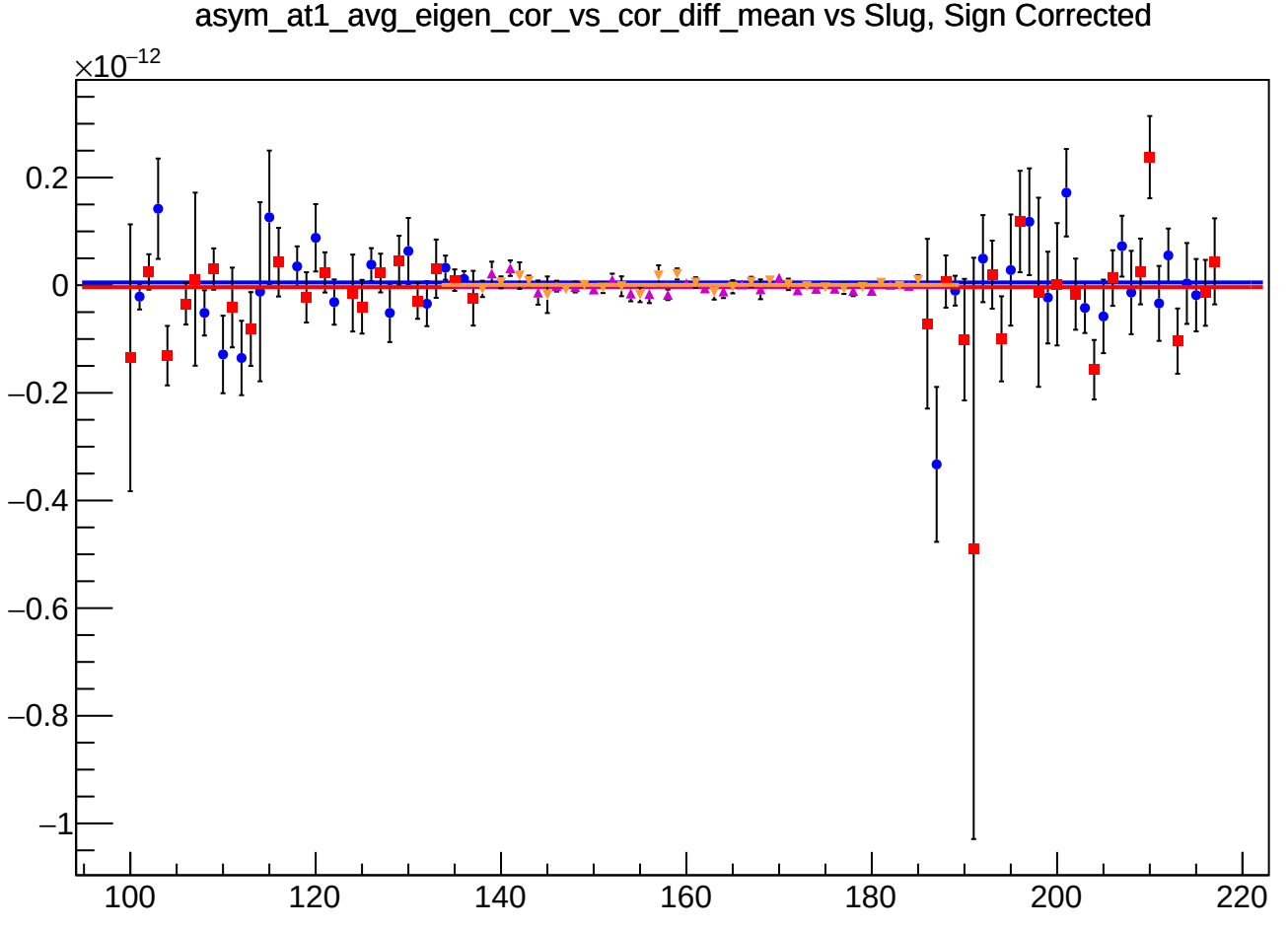
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.371+/-0.009 χ^2/NDF: 11157274.0/66

In: 53.631+/-0.007 χ^2/NDF:8288018.1/53

Out: 53.023+/-0.007 χ^2/NDF:11310918.9/60

All: 53.323+/-0.005 χ^2/NDF: 19602476.5/114



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: 40.6/35

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

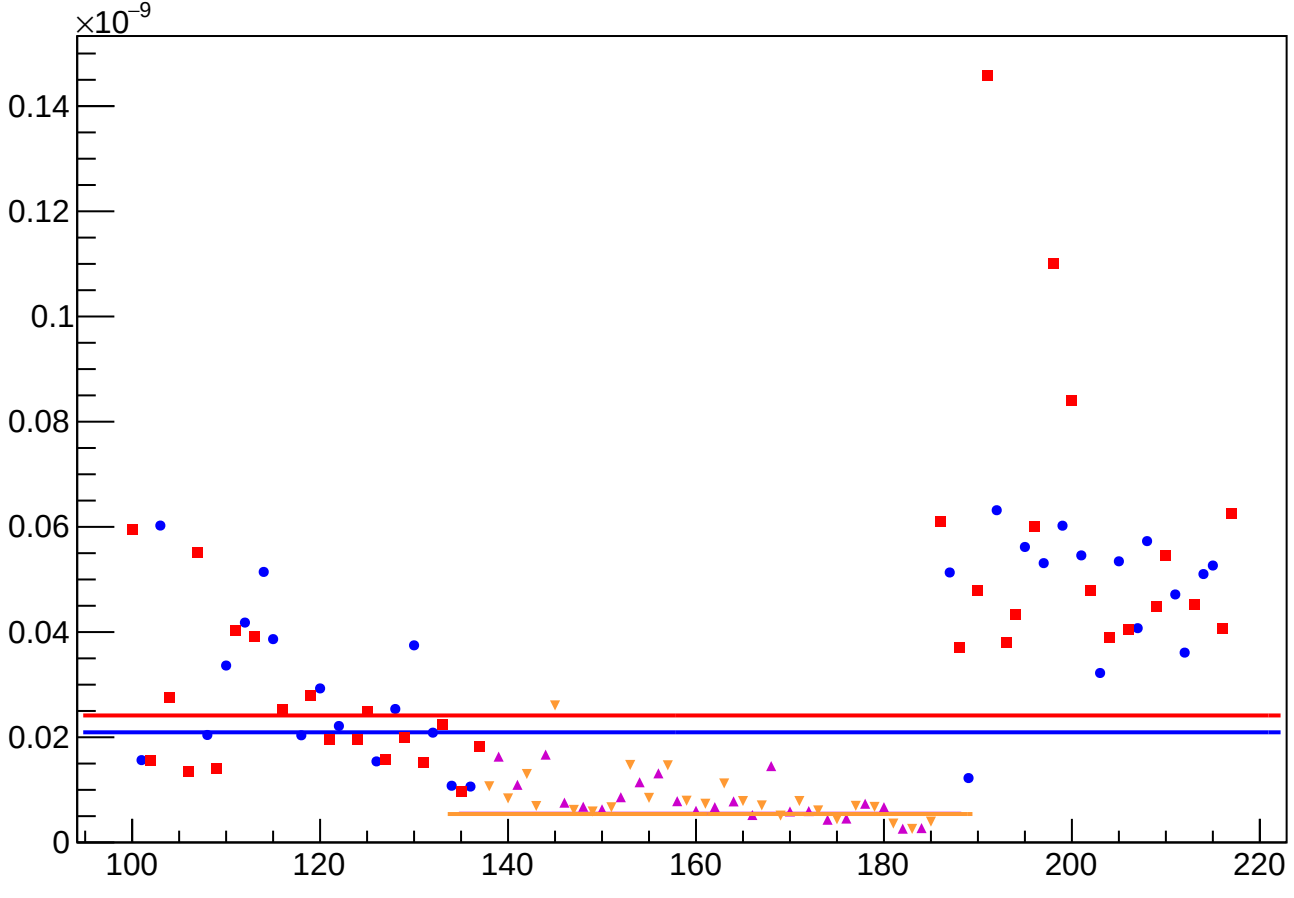
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 80.4/66

In: -0.000+/-0.000 χ^2/NDF:62.0/53

Out: 0.000+/-0.000 χ^2/NDF:56.0/60

All: -0.000+/-0.000 χ^2/NDF: 119.2/114



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: 6116907.5/35

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

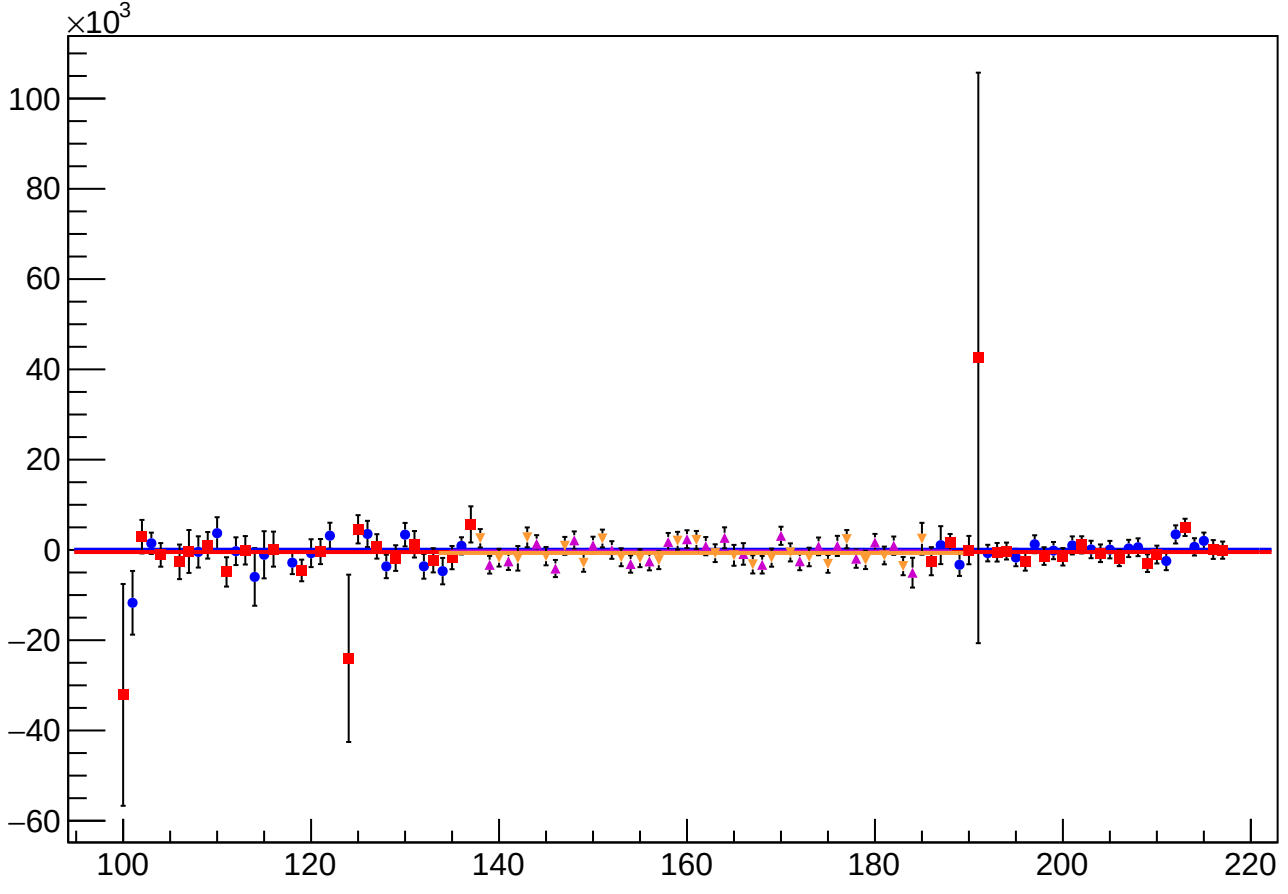
Right: 0.000+/-0.000 χ^2/NDF: 13273996.9/66

In: 0.000+/-0.000 χ^2/NDF:19868274.1/53

Out: 0.000+/-0.000 χ^2/NDF:20510908.1/60

All: 0.000+/-0.000 χ^2/NDF: 40386317.1/114

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: -468.556+/-416.584 χ^2/NDF: 30.9/35

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

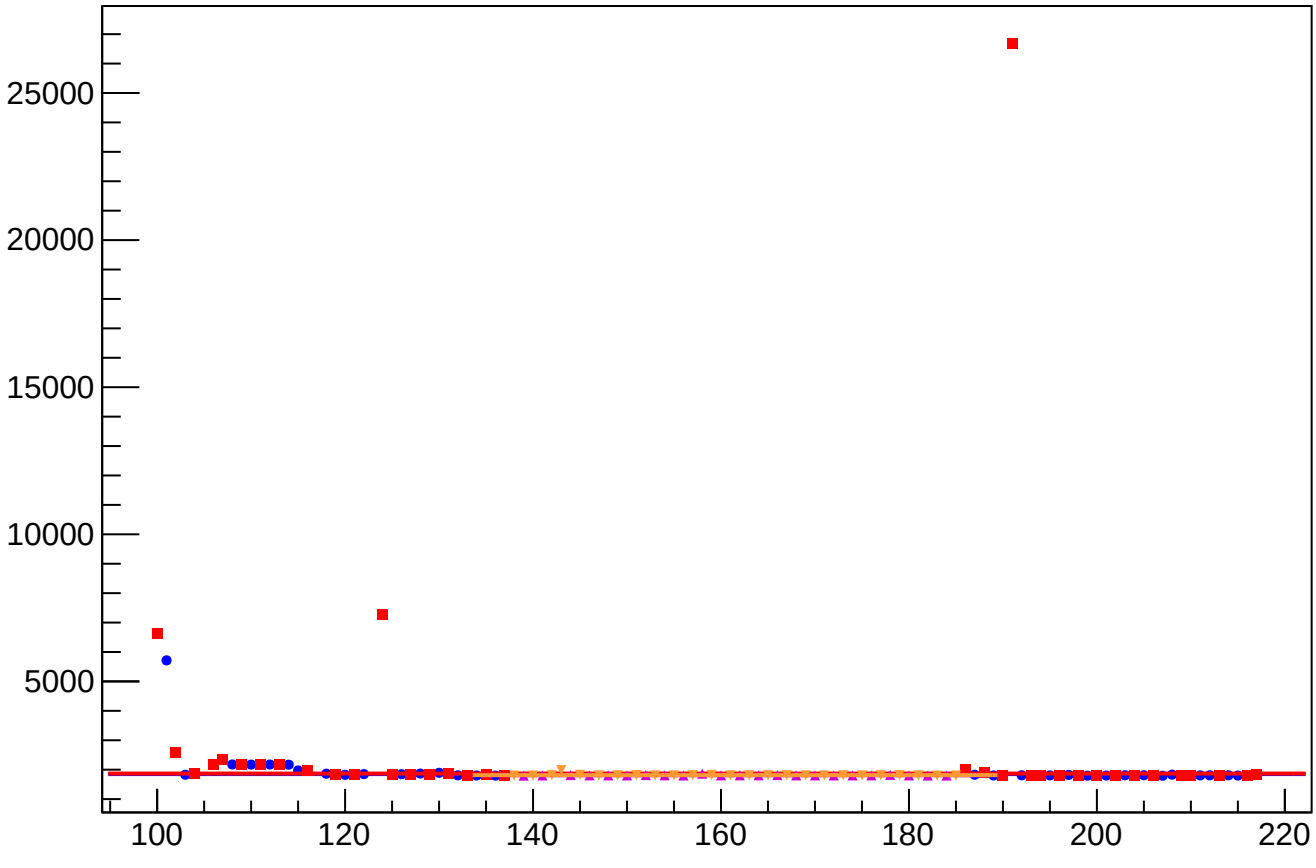
Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

Right: -216.741+/-297.457 χ^2/NDF: 58.2/66

In: -149.865+/-299.664 χ^2/NDF:57.1/53

Out: -570.363+/-293.009 χ^2/NDF:55.7/60

All: -364.835+/-209.502 χ^2/NDF: 113.8/114



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: 1868.209+/-0.295 χ^2/NDF: 758493.8/35

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

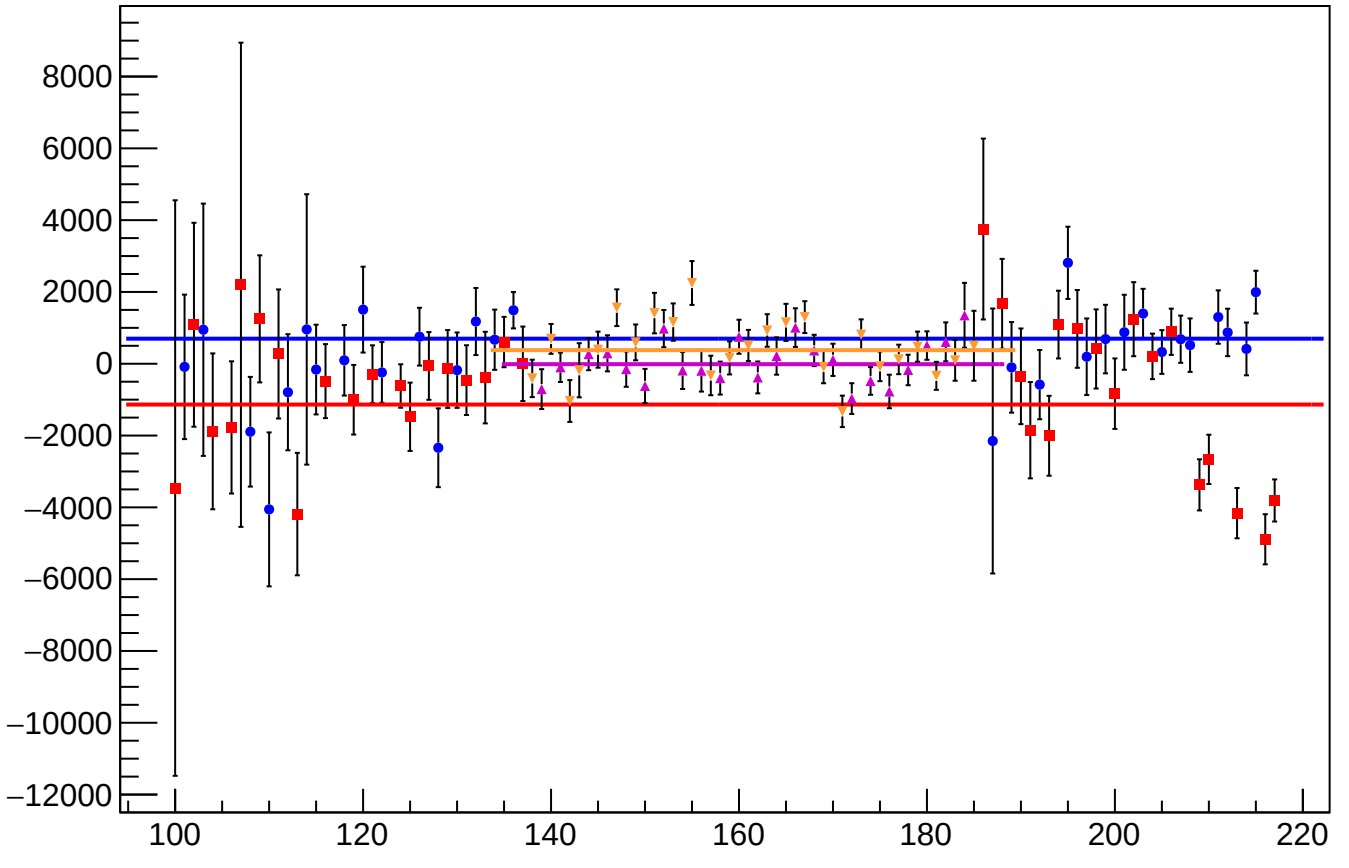
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1859.434+/-0.210 χ^2/NDF: 1440026.6/66

In: 1830.280+/-0.212 χ^2/NDF:690530.4/53

Out: 1841.038+/-0.207 χ^2/NDF:788434.8/60

All: 1835.780+/-0.148 χ^2/NDF: 1480283.0/11



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: -1136.177+/-159.843 χ^2/NDF: 143.9/35

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

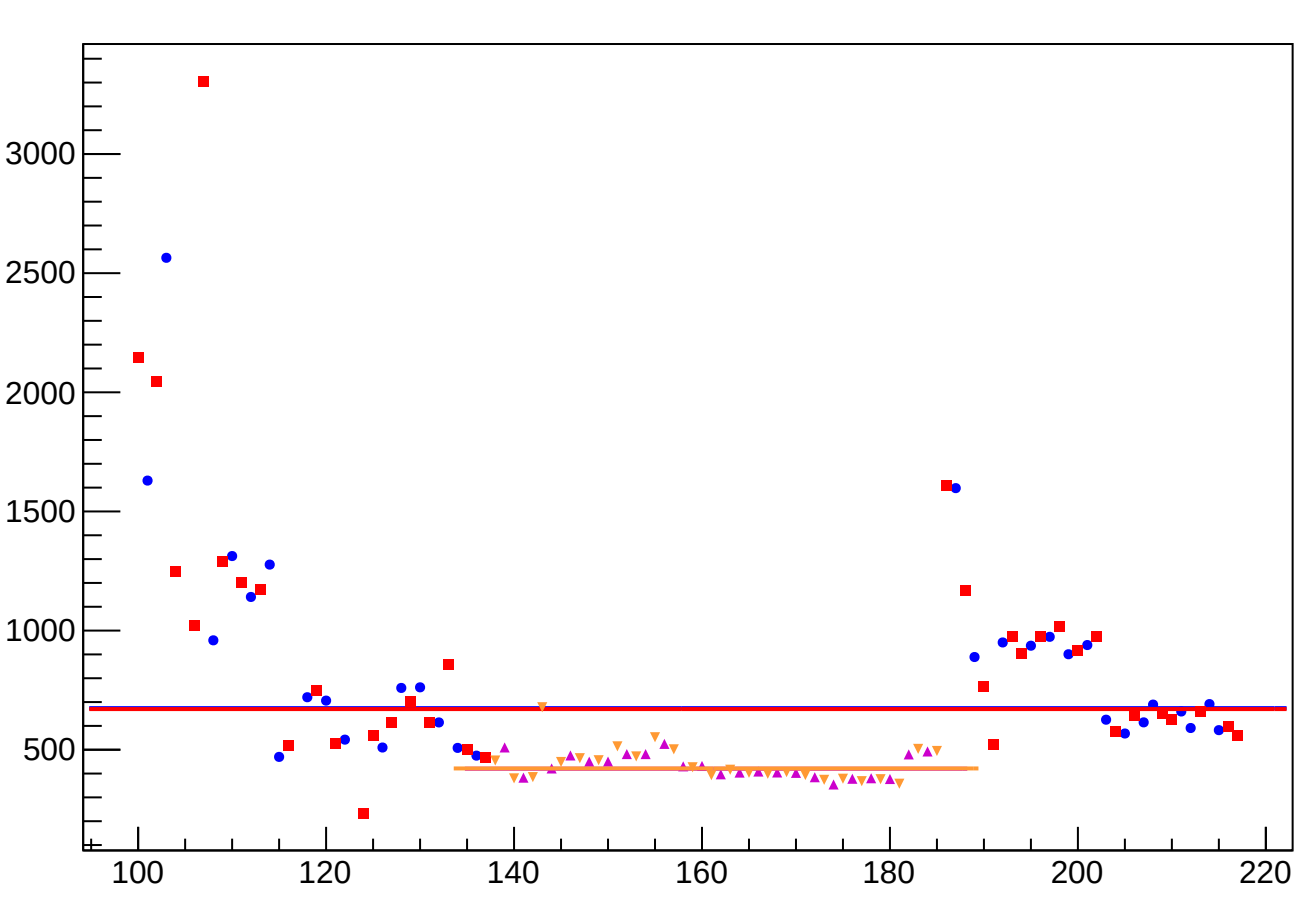
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -228.951+/-113.647 χ^2/NDF: 245.9/66

In: 182.138+/-84.405 χ^2/NDF:82.1/53

Out: -28.626+/-82.934 χ^2/NDF:271.9/60

All: 74.902+/-59.156 χ^2/NDF: 357.1/114



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: 670.581+/-0.113 χ^2/NDF: 4804091.7/35

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

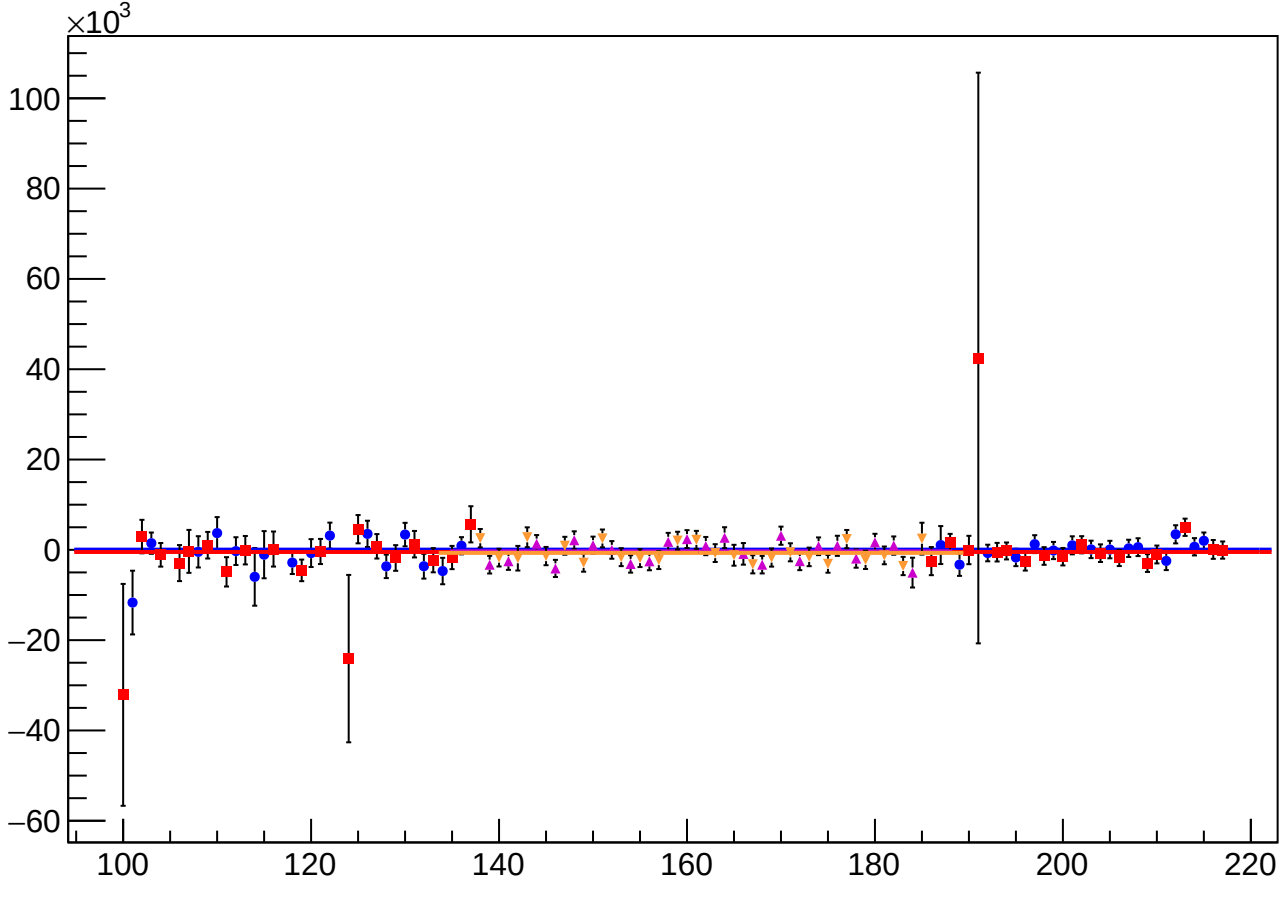
Right: 672.547+/-0.080 χ^2/NDF: 7964504.8/66

In: 489.594+/-0.060 χ^2/NDF:7175046.6/53

Out: 488.491+/-0.059 χ^2/NDF:9098653.1/60

All: 489.033+/-0.042 χ^2/NDF: 16273873.3/11

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: -469.908+/-416.778 χ^2/NDF: 30.9/35

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

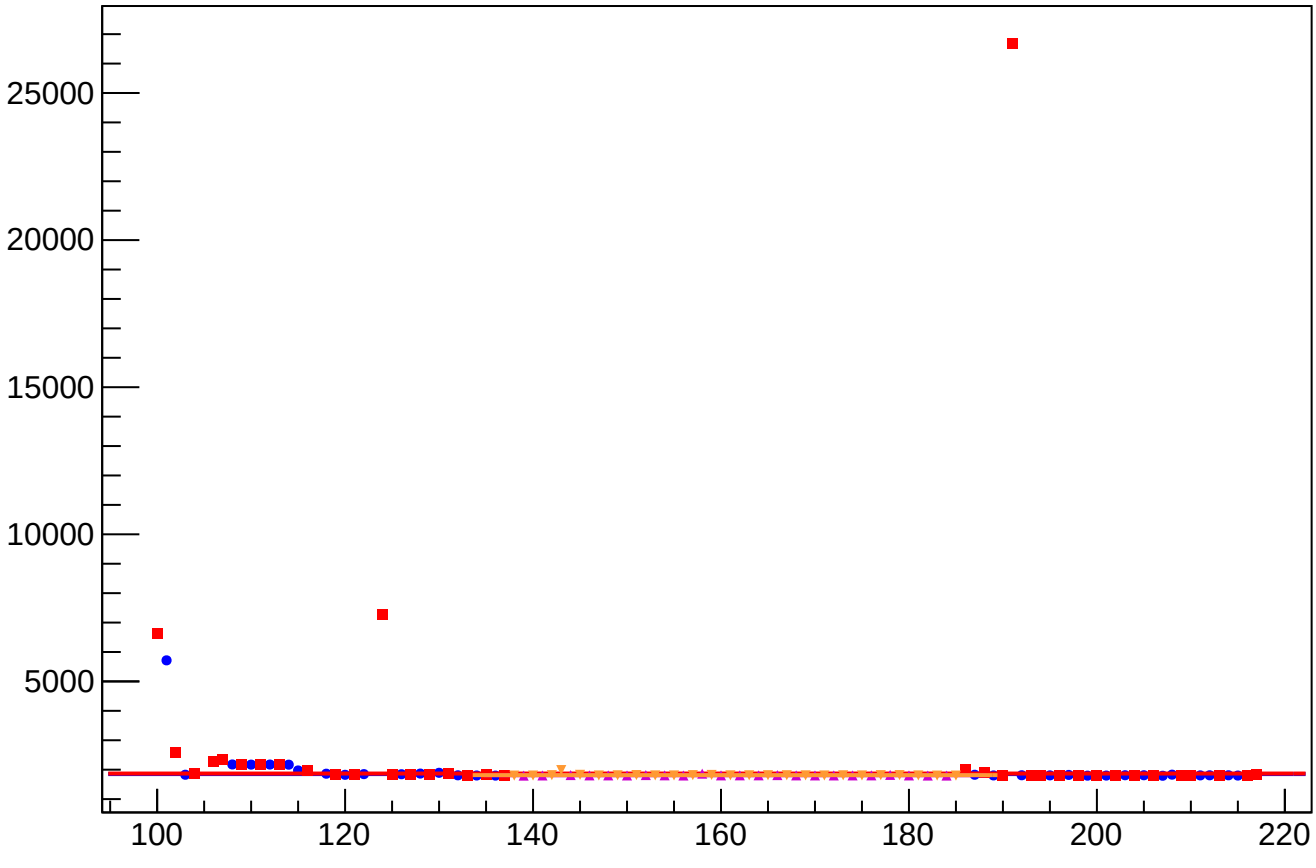
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -217.150+/-297.528 χ^2/NDF: 58.2/66

In: -149.724+/-299.664 χ^2/NDF:57.1/53

Out: -571.073+/-293.077 χ^2/NDF:55.8/60

All: -365.081+/-209.527 χ^2/NDF: 113.9/114



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: 1868.804+/-0.295 χ^2/NDF: 764798.0/35

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

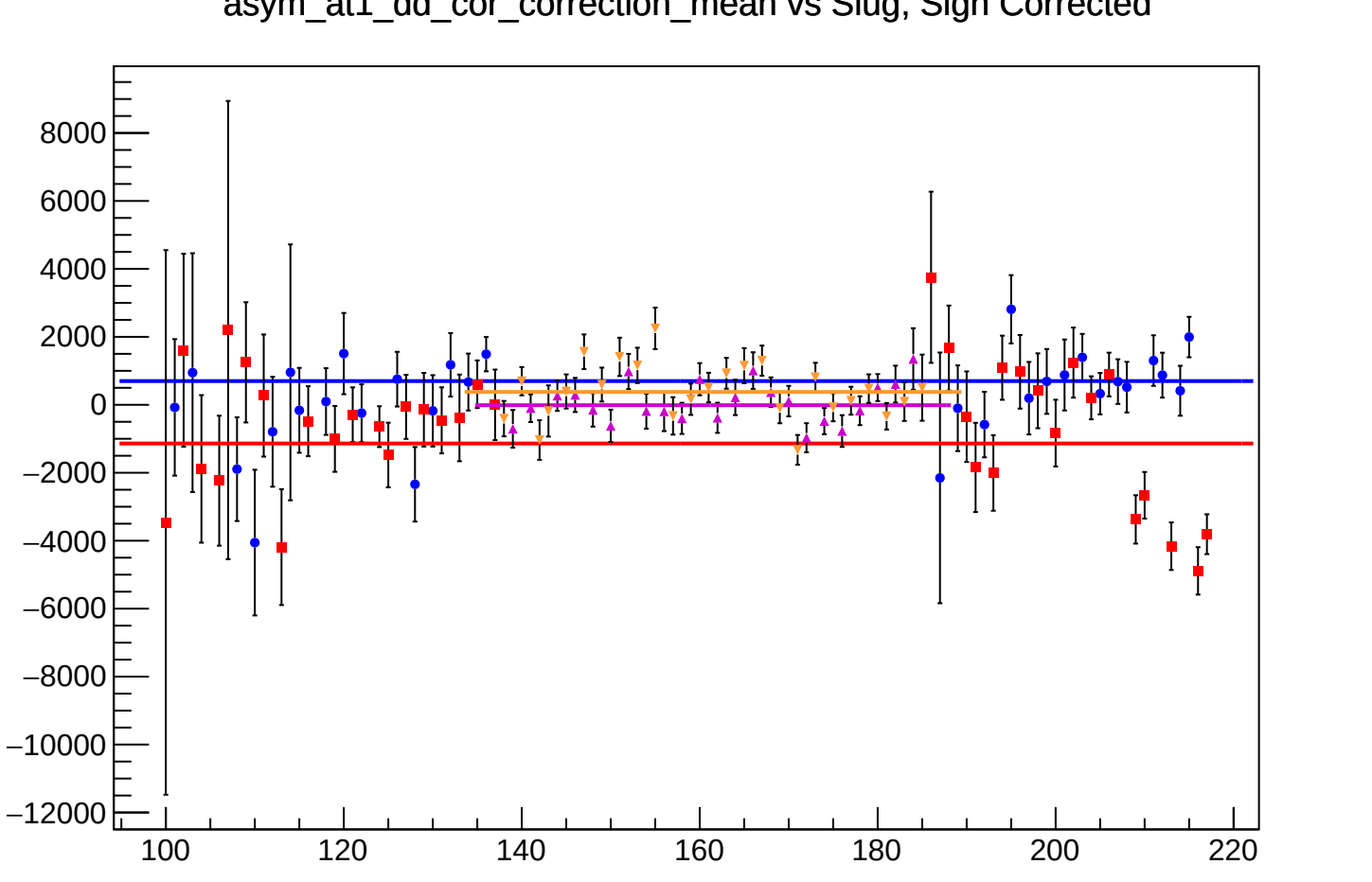
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1859.733+/-0.210 χ^2/NDF: 1446452.1/66

In: 1830.280+/-0.212 χ^2/NDF:690530.3/53

Out: 1841.320+/-0.207 χ^2/NDF:795105.6/60

All: 1835.922+/-0.148 χ^2/NDF: 1487023.2/11



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: -1138.805+/-159.757 χ^2/NDF: 144.3/35

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

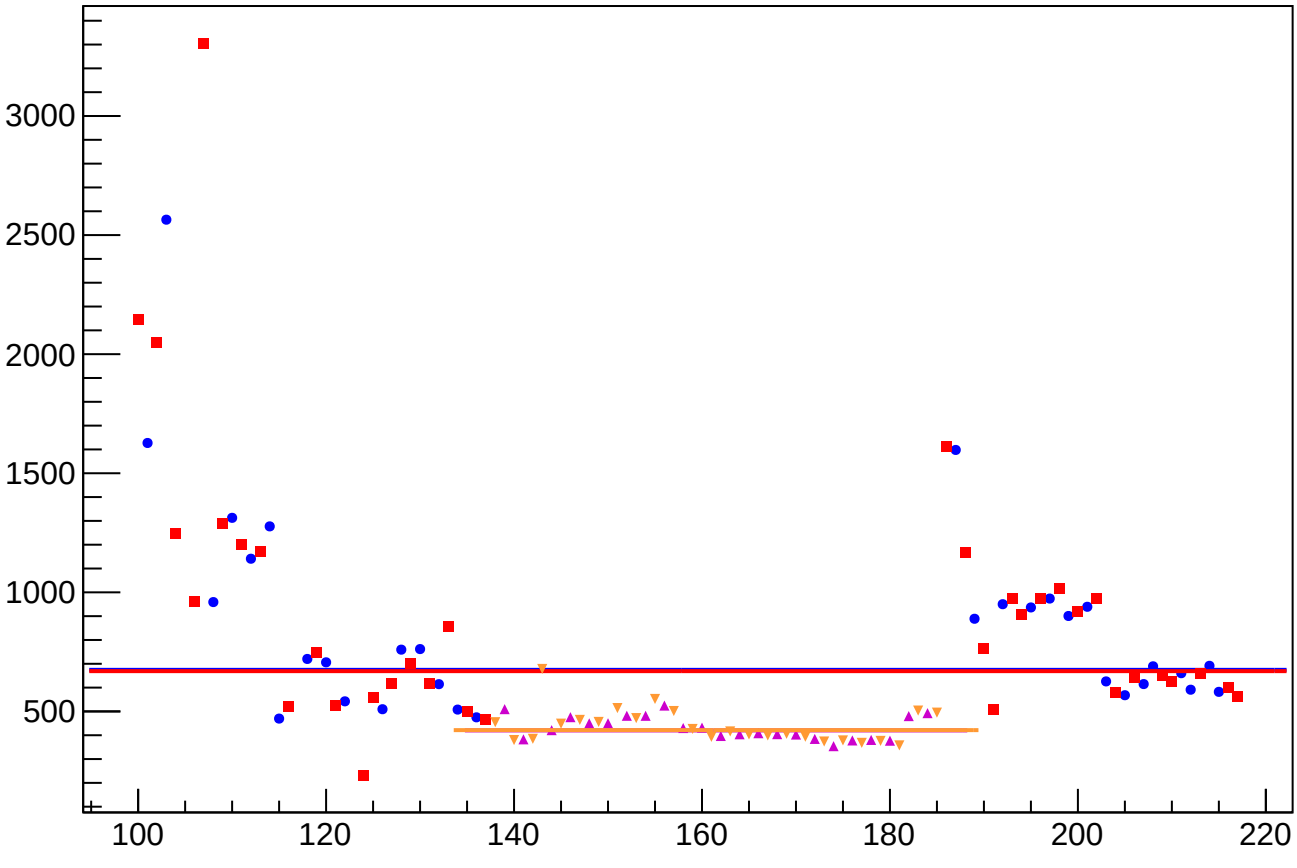
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -230.725+/-113.616 χ^2/NDF: 246.6/66

In: 182.151+/-84.404 χ^2/NDF:82.1/53

Out: -29.667+/-82.922 χ^2/NDF:272.6/60

All: 74.366+/-59.152 χ^2/NDF: 357.9/114



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: 669.132+/-0.113 χ^2/NDF: 4809441.0/35

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

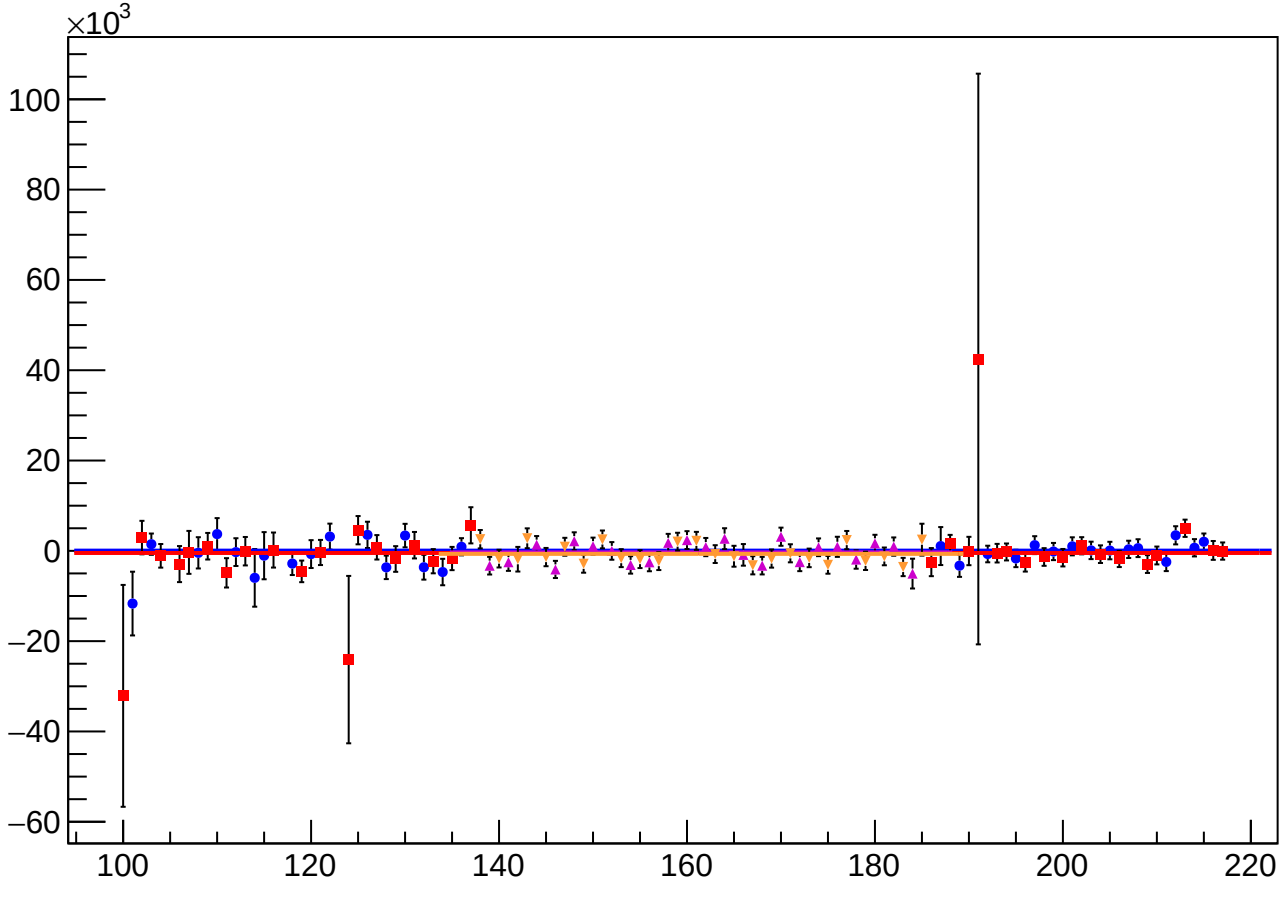
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 671.812+/-0.080 χ^2/NDF: 7969561.1/66

In: 489.591+/-0.060 χ^2/NDF:7174439.2/53

Out: 488.157+/-0.059 χ^2/NDF:9065416.6/60

All: 488.861+/-0.042 χ^2/NDF: 16240149.8/11



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: -469.908+/-416.778 χ^2/NDF: 30.9/35

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

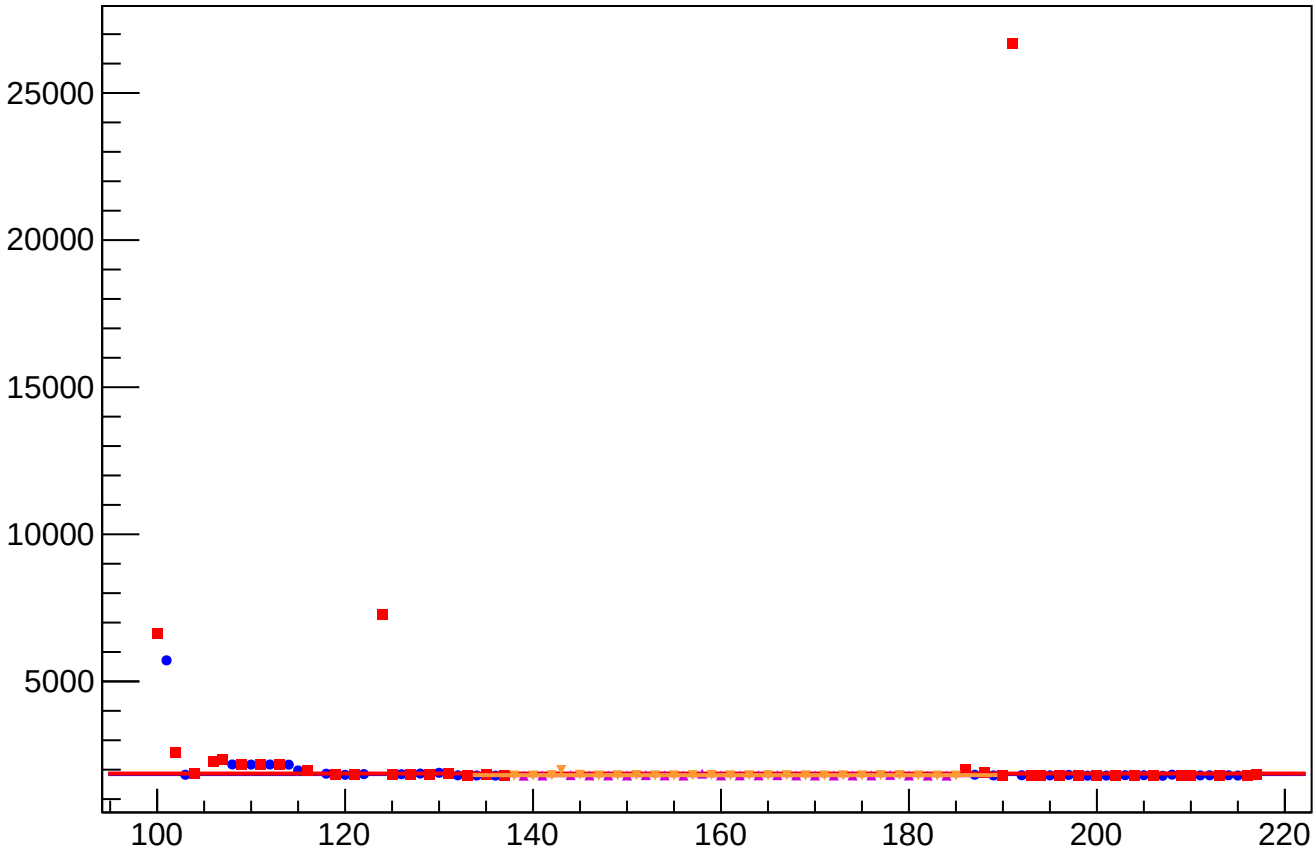
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -217.150+/-297.528 χ^2/NDF: 58.2/66

In: -149.724+/-299.664 χ^2/NDF:57.1/53

Out: -571.073+/-293.077 χ^2/NDF:55.8/60

All: -365.081+/-209.527 χ^2/NDF: 113.9/114



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: 1868.804+/-0.295 χ^2/NDF: 764798.0/35

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

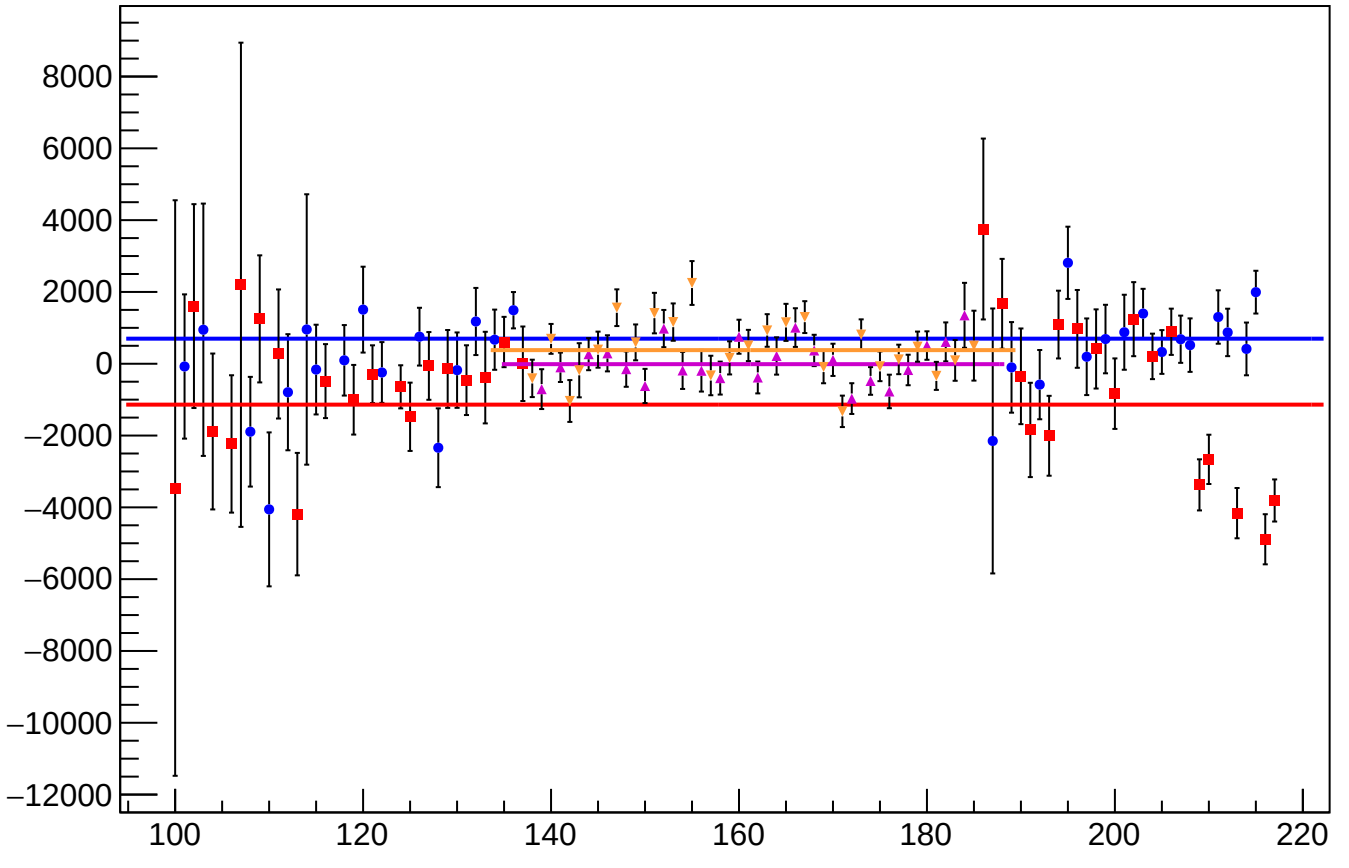
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1859.733+/-0.210 χ^2/NDF: 1446452.1/66

In: 1830.280+/-0.212 χ^2/NDF:690530.3/53

Out: 1841.320+/-0.207 χ^2/NDF:795105.6/60

All: 1835.922+/-0.148 χ^2/NDF: 1487023.2/11



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: -1138.805+/-159.757 χ^2/NDF: 144.3/35

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

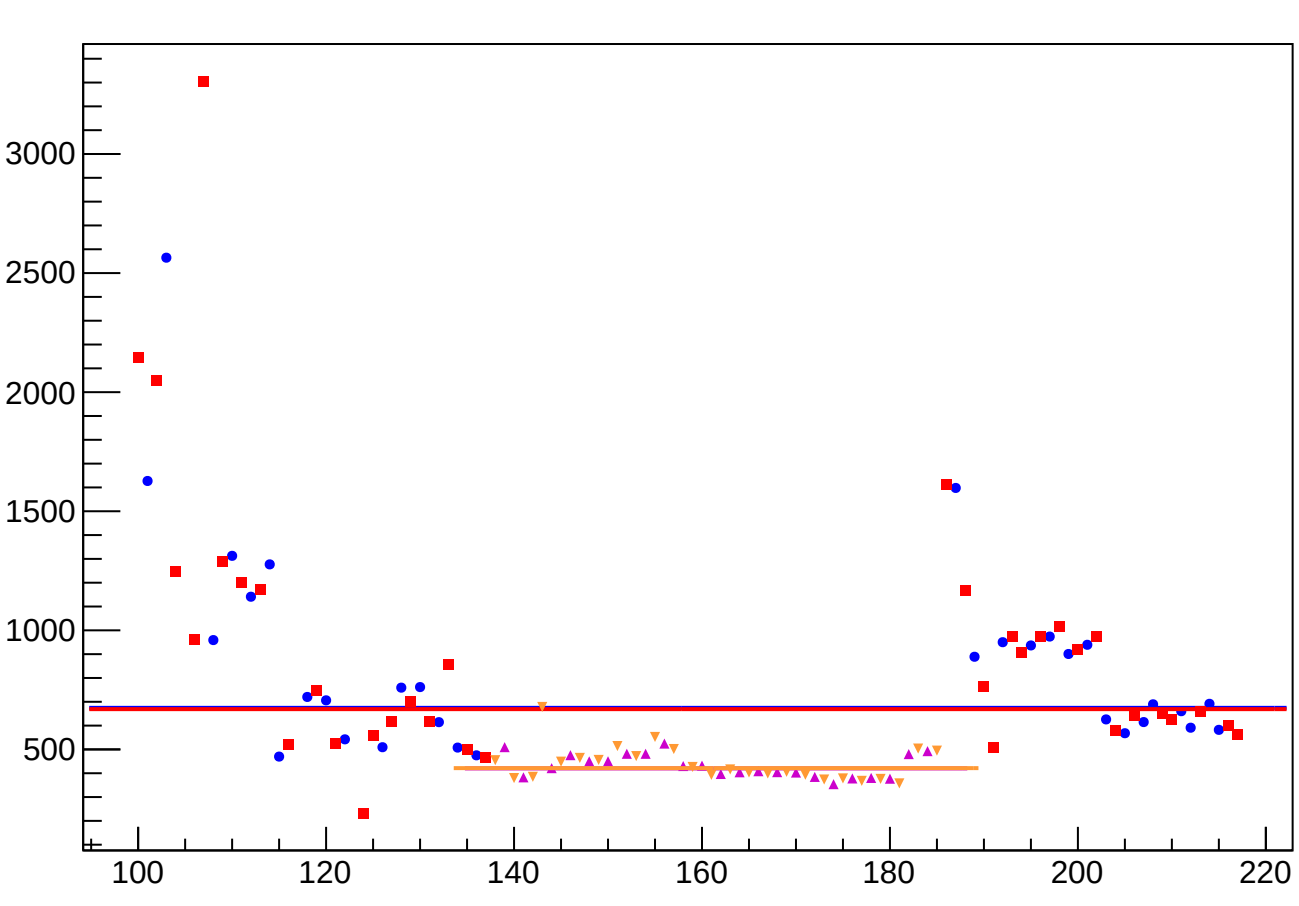
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -230.725+/-113.616 χ^2/NDF: 246.6/66

In: 182.151+/-84.404 χ^2/NDF:82.1/53

Out: -29.667+/-82.922 χ^2/NDF:272.6/60

All: 74.366+/-59.152 χ^2/NDF: 357.9/114



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: 669.132+/-0.113 χ^2/NDF: 4809441.0/35

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

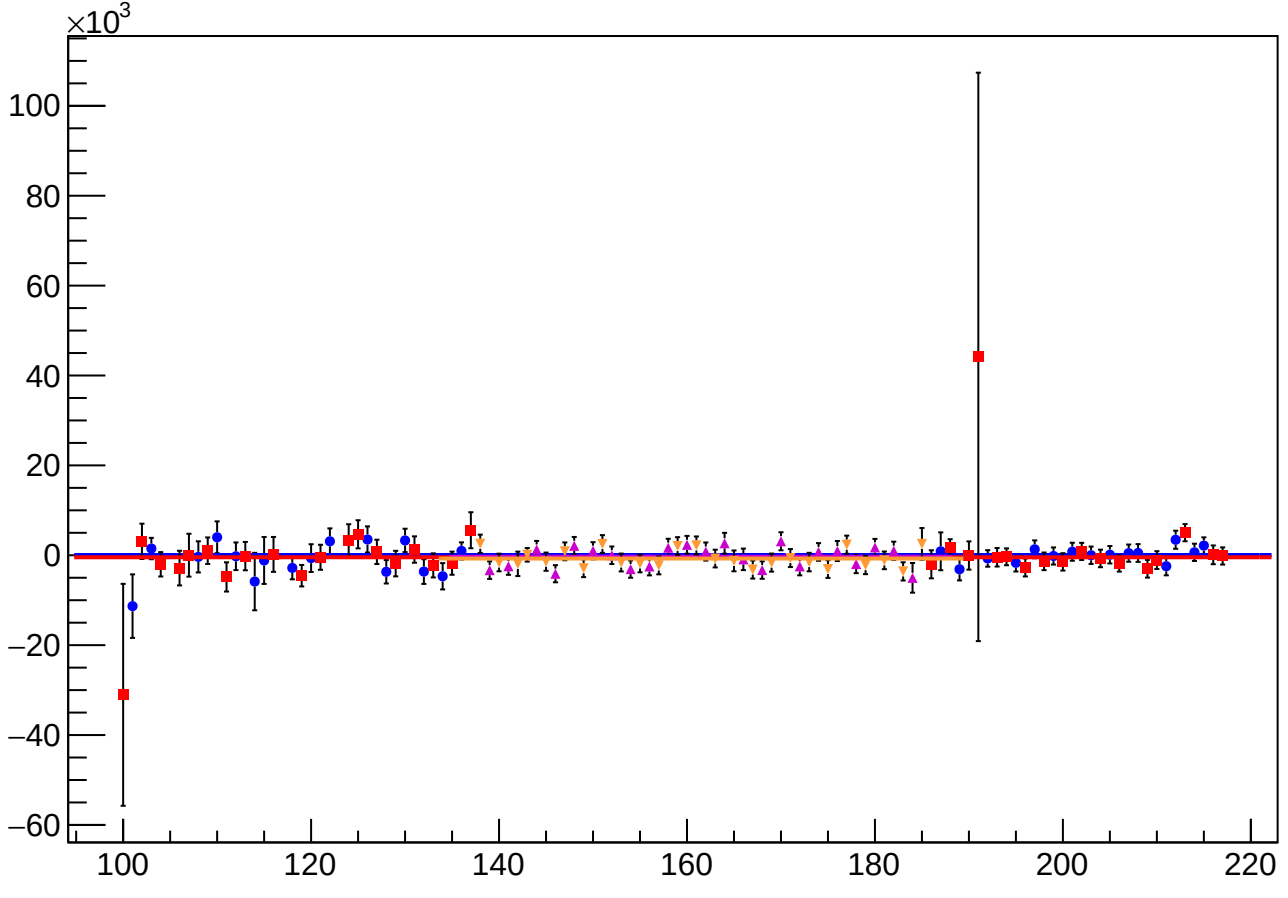
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 671.812+/-0.080 χ^2/NDF: 7969561.1/66

In: 489.591+/-0.060 χ^2/NDF:7174439.2/53

Out: 488.157+/-0.059 χ^2/NDF:9065416.6/60

All: 488.861+/-0.042 χ^2/NDF: 16240149.8/11



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: -446.461+/-414.998 χ^2/NDF: 30.4/35

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

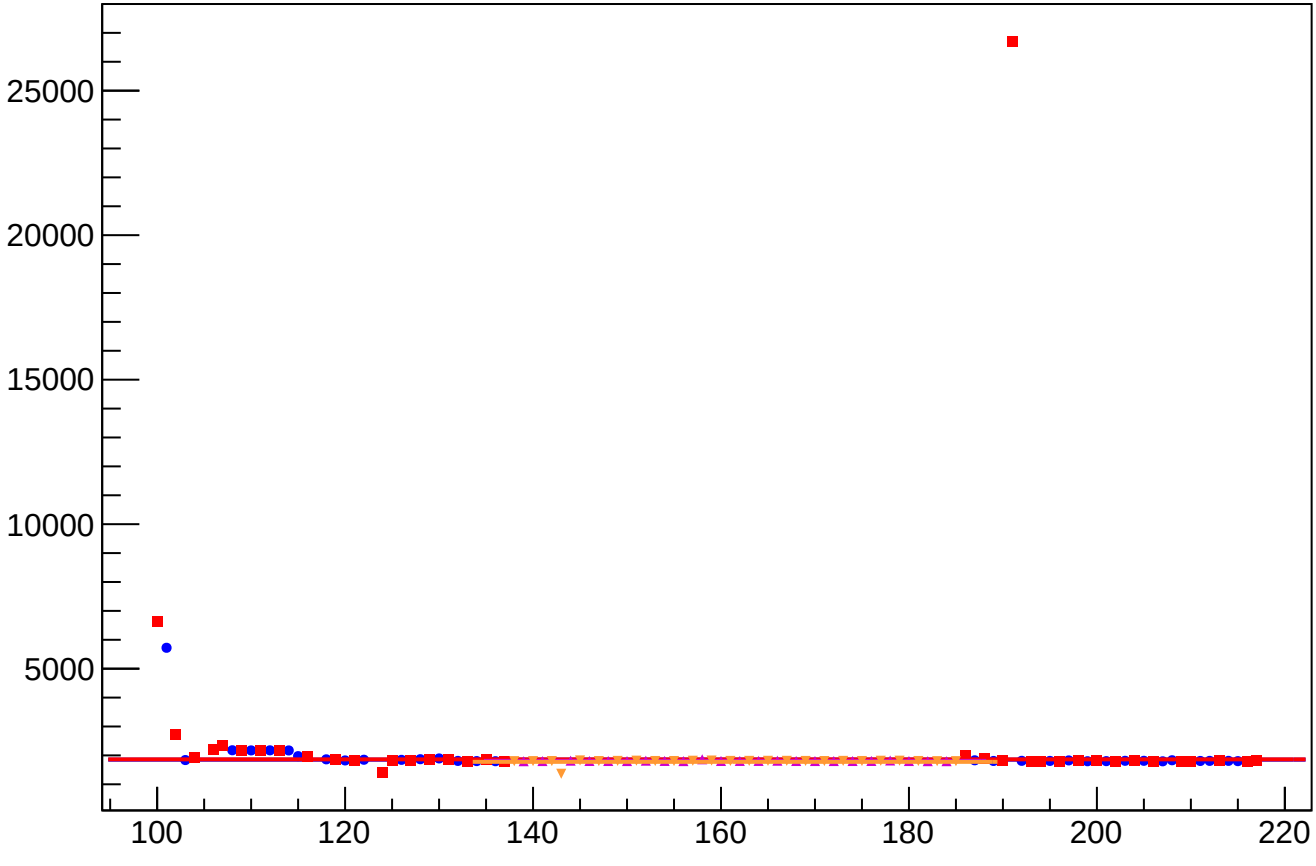
Right: -198.715+/-297.023 χ^2/NDF: 57.5/66

In: -141.030+/-299.865 χ^2/NDF:56.4/53

Out: -589.084+/-289.635 χ^2/NDF:52.9/60

All: -372.830+/-208.325 χ^2/NDF: 110.4/114

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1852.049+/-0.301 χ^2/NDF: 679581.6/30

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1862.458+/-0.293 χ^2/NDF: 639031.1/35

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

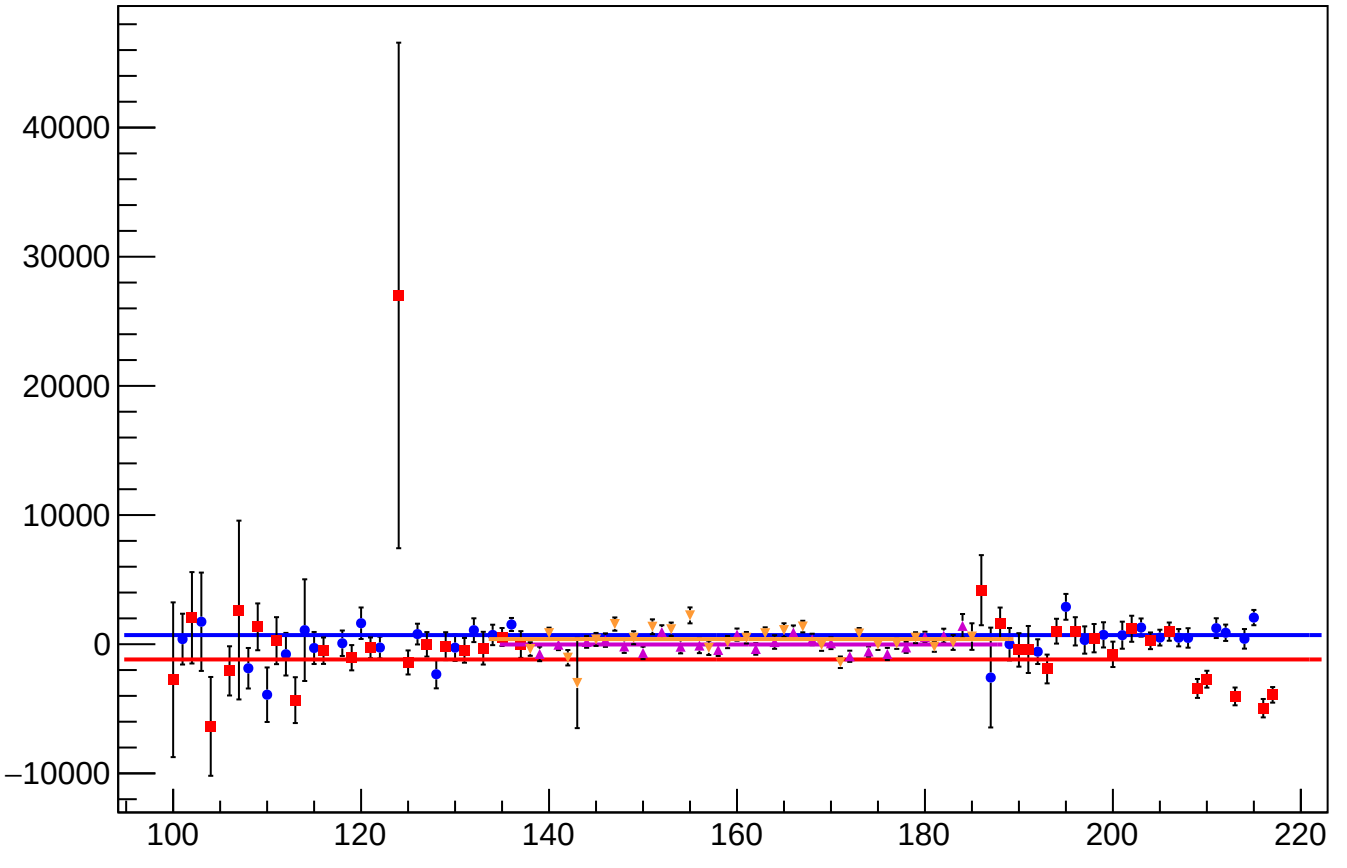
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1857.381+/-0.210 χ^2/NDF: 1319226.4/66

In: 1831.448+/-0.212 χ^2/NDF:690877.9/53

Out: 1818.483+/-0.205 χ^2/NDF:844109.5/60

All: 1824.740+/-0.147 χ^2/NDF: 1536921.8/1



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: -1180.085+/-167.900 χ^2/NDF: 145.7/35

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

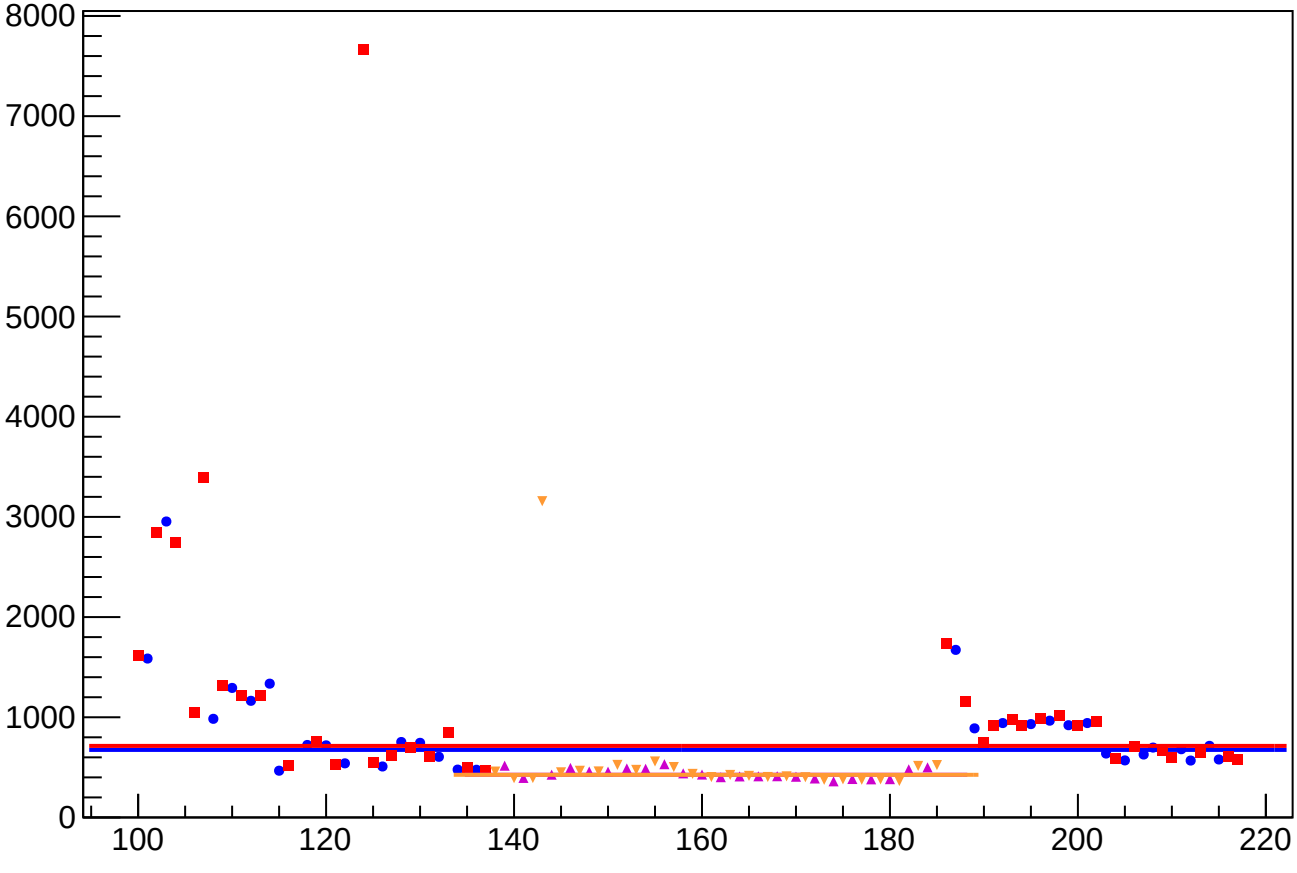
Right: -200.842+/-116.435 χ^2/NDF: 248.6/66

In: 180.839+/-85.199 χ^2/NDF:82.9/53

Out: -9.921+/-85.384 χ^2/NDF:271.7/60

All: 85.667+/-60.310 χ^2/NDF: 357.1/114

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



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: 714.259+/-0.119 χ^2/NDF: 4658153.1/35

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

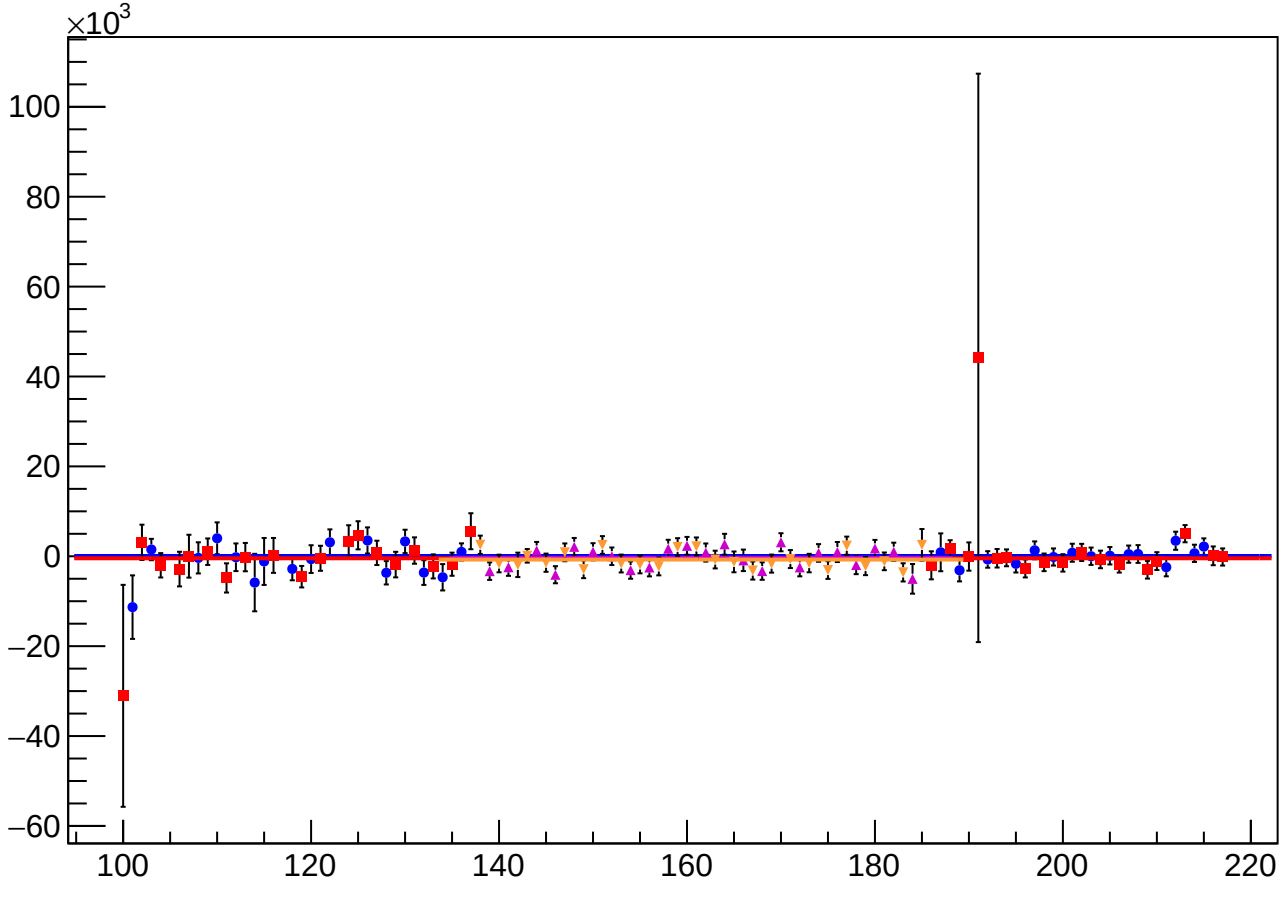
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 693.428+/-0.082 χ^2/NDF: 8091117.5/66

In: 495.067+/-0.060 χ^2/NDF:7189462.5/53

Out: 500.324+/-0.060 χ^2/NDF:10756070.6/60

All: 497.690+/-0.043 χ^2/NDF: 17949331.2/11



Right In: 61.479+/-425.298 χ^2/NDF: 26.3/30

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -446.460+/-414.998 χ^2/NDF: 30.4/35

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

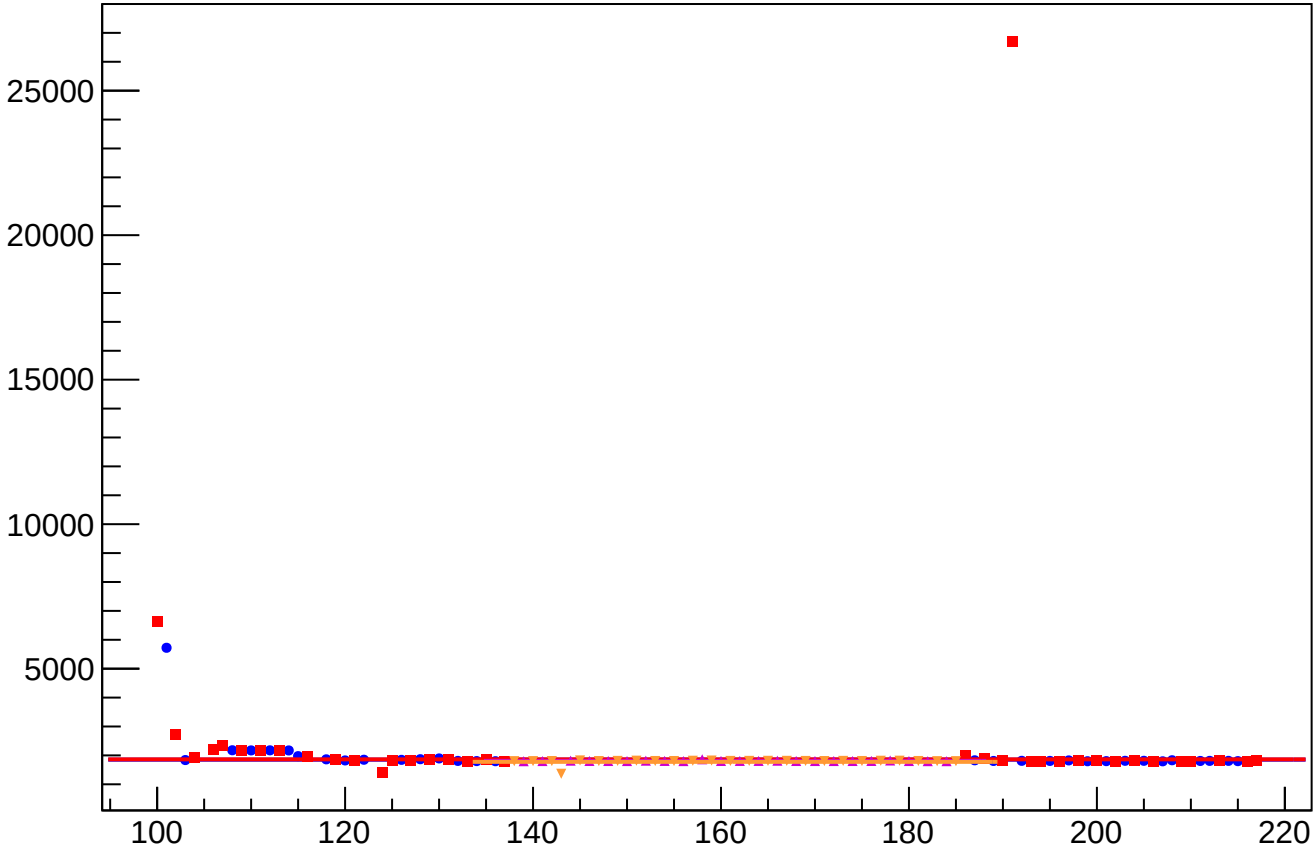
Right: -198.715+/-297.023 χ^2/NDF: 57.5/66

In: -141.030+/-299.865 χ^2/NDF:56.4/53

Out: -589.084+/-289.635 χ^2/NDF:52.9/60

All: -372.830+/-208.325 χ^2/NDF: 110.4/114

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1852.049+/-0.301 χ^2/NDF: 679581.6/30

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1862.458+/-0.293 χ^2/NDF: 639030.9/35

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

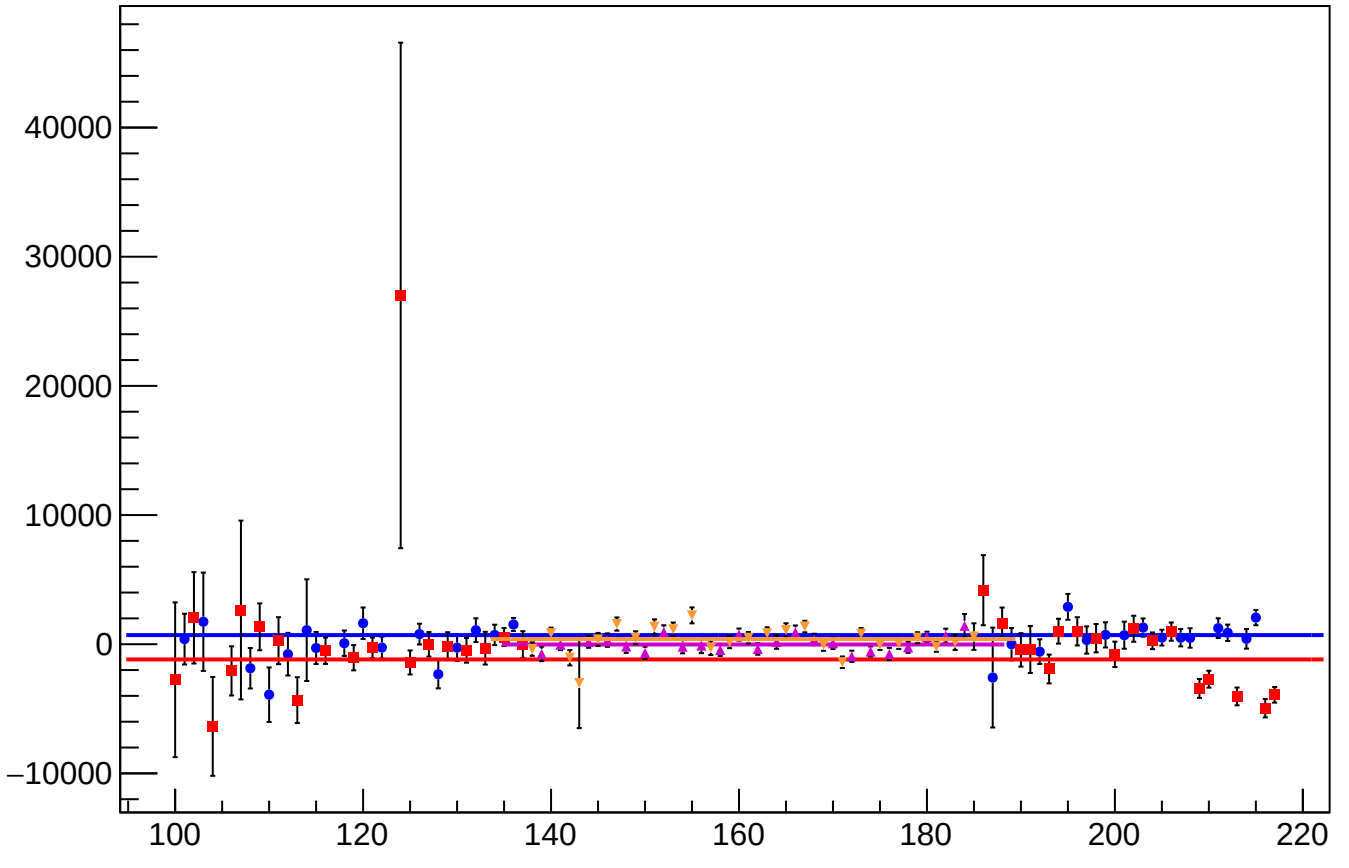
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1857.381+/-0.210 χ^2/NDF: 1319226.2/66

In: 1831.448+/-0.212 χ^2/NDF:690877.9/53

Out: 1818.483+/-0.205 χ^2/NDF:844109.2/60

All: 1824.740+/-0.147 χ^2/NDF: 1536921.6/11



Right In: 706.390+/-161.609 χ^2/NDF: 37.4/30

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -1180.082+/-167.900 χ^2/NDF: 145.7/35

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

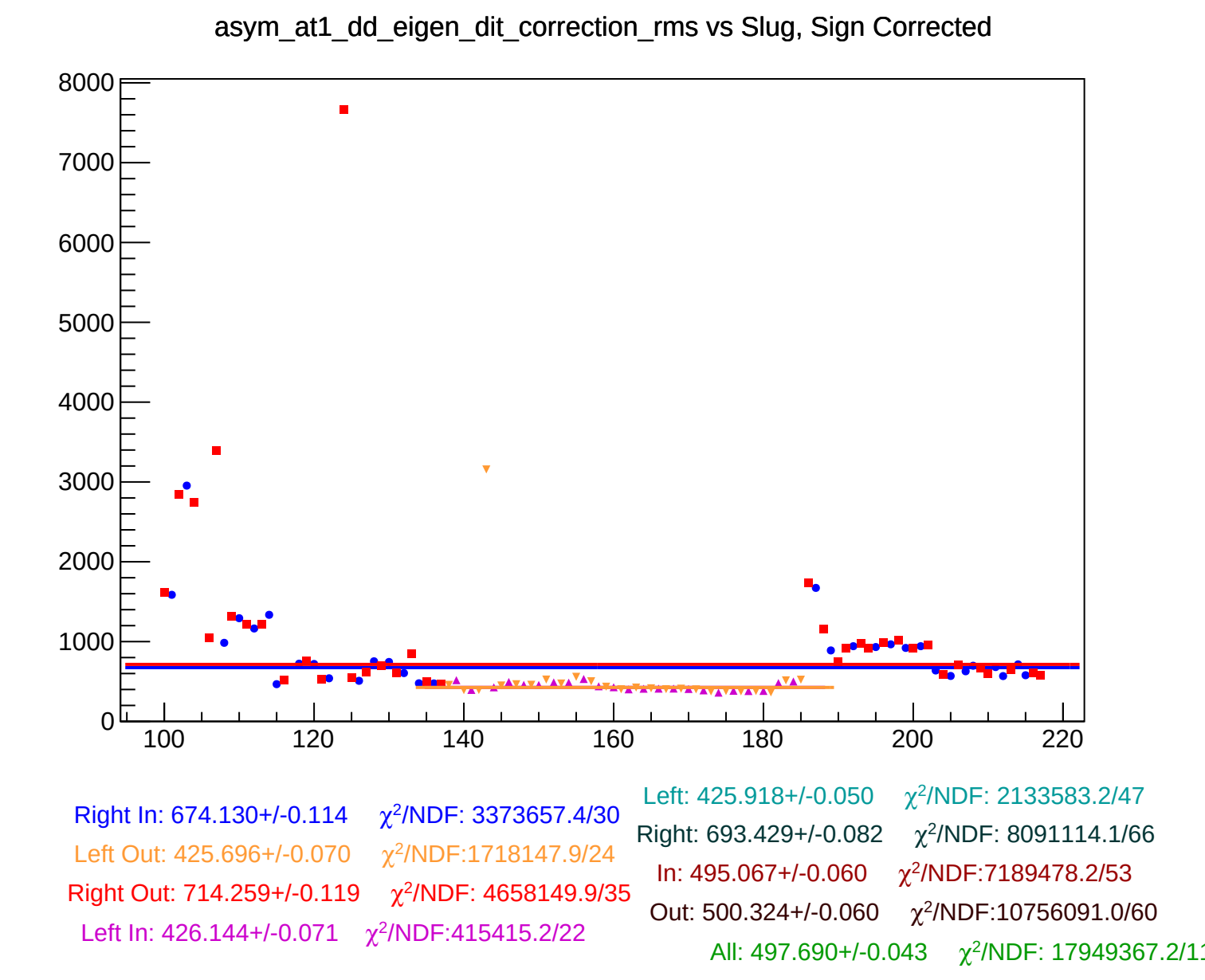
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: -200.842+/-116.435 χ^2/NDF: 248.6/66

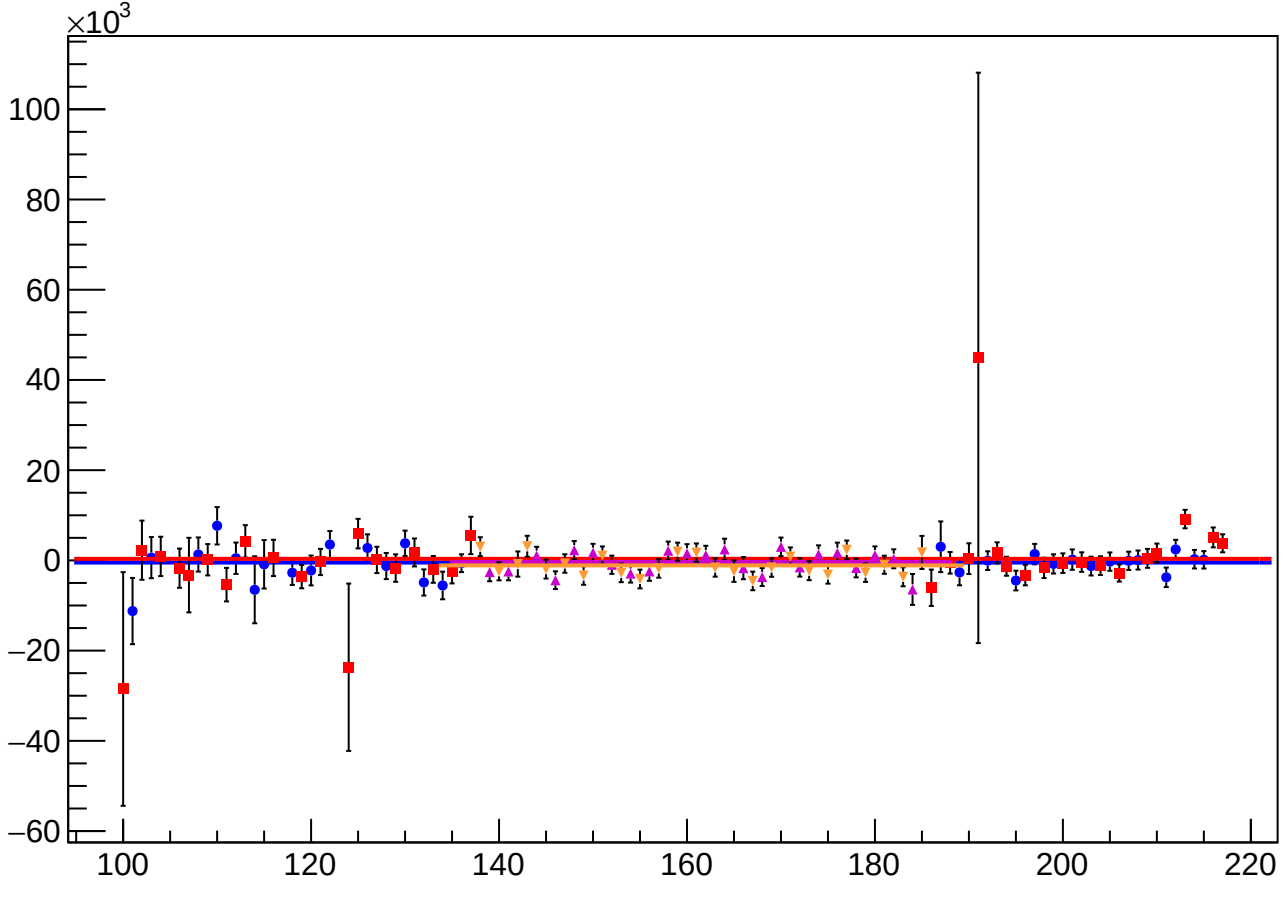
In: 180.839+/-85.199 χ^2/NDF:82.9/53

Out: -9.920+/-85.384 χ^2/NDF:271.7/60

All: 85.667+/-60.310 χ^2/NDF: 357.1/114


asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 674.130+/-0.114 χ²/NDF: 3373657.4/30
Left Out: 425.696+/-0.070 χ²/NDF:1718147.9/24
Right Out: 714.259+/-0.119 χ²/NDF: 4658149.9/35
Left In: 426.144+/-0.071 χ²/NDF:415415.2/22
Left: 425.918+/-0.050 χ²/NDF: 2133583.2/47
Right: 693.429+/-0.082 χ²/NDF: 8091114.1/66
In: 495.067+/-0.060 χ²/NDF:7189478.2/53
Out: 500.324+/-0.060 χ²/NDF:10756091.0/60
All: 497.690+/-0.043 χ²/NDF: 17949367.2/11

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: 349.330+/-463.609 χ^2/NDF: 53.7/35

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

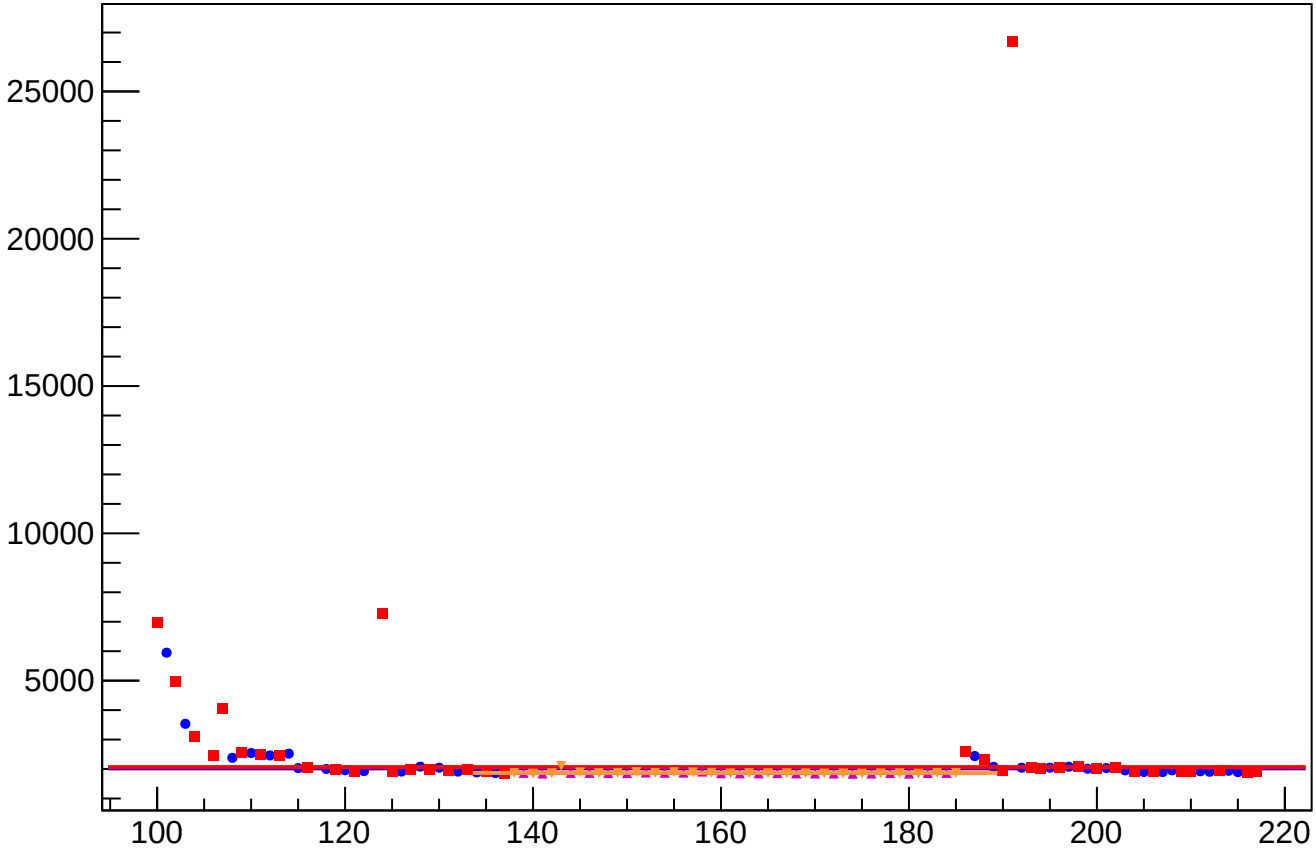
Right: -60.944+/-328.895 χ^2/NDF: 83.5/66

In: -407.231+/-318.176 χ^2/NDF:56.9/53

Out: -441.933+/-313.141 χ^2/NDF:87.1/60

All: -424.859+/-223.183 χ^2/NDF: 144.1/114

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: 2064.624+/-0.328 χ^2/NDF: 1430145.8/35

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

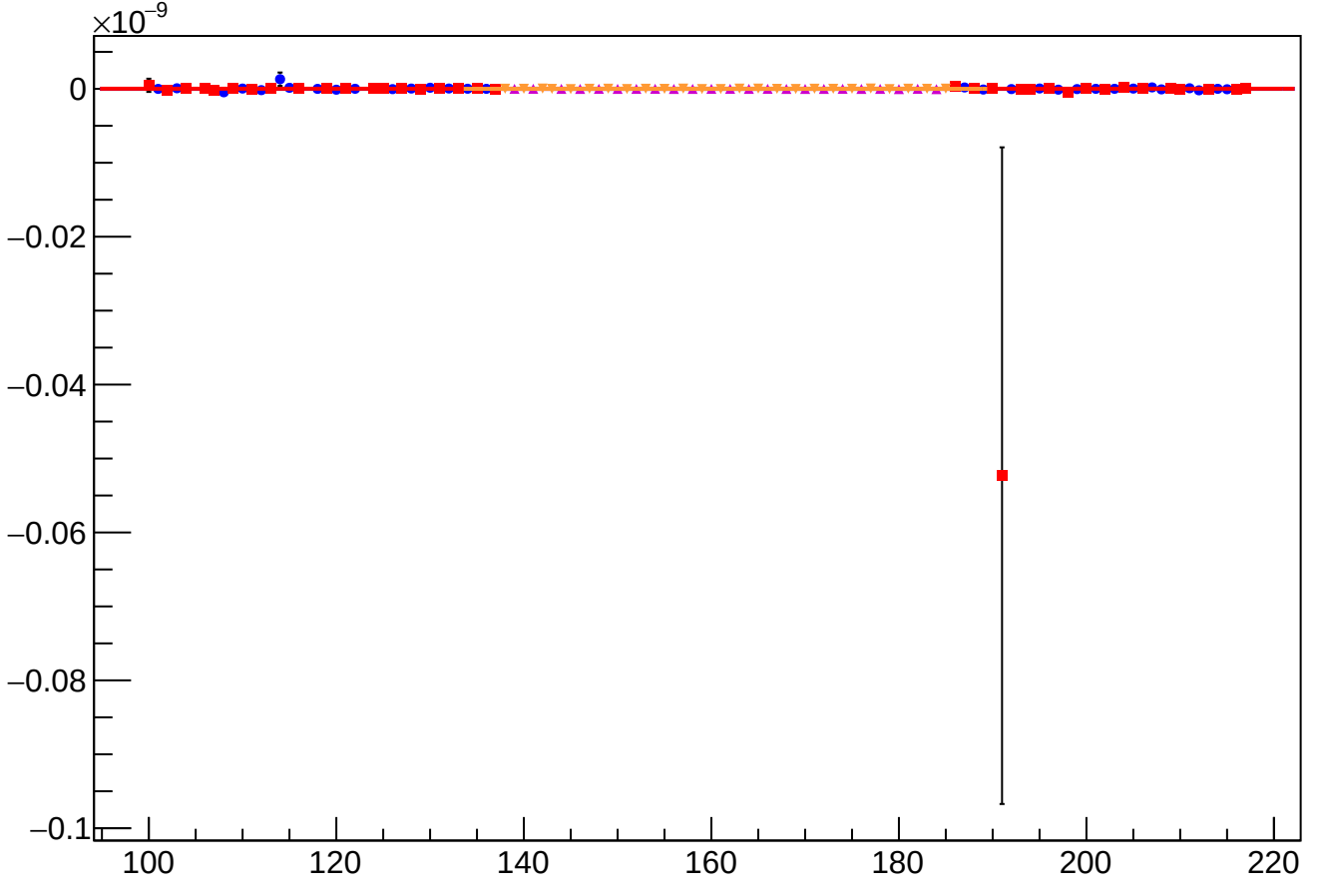
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2044.569+/-0.233 χ^2/NDF: 2399457.0/66

In: 1937.867+/-0.225 χ^2/NDF:1092548.1/53

Out: 1958.216+/-0.221 χ^2/NDF:1647217.4/60

All: 1948.204+/-0.158 χ^2/NDF: 2743920.8/11



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: 34.5/35

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

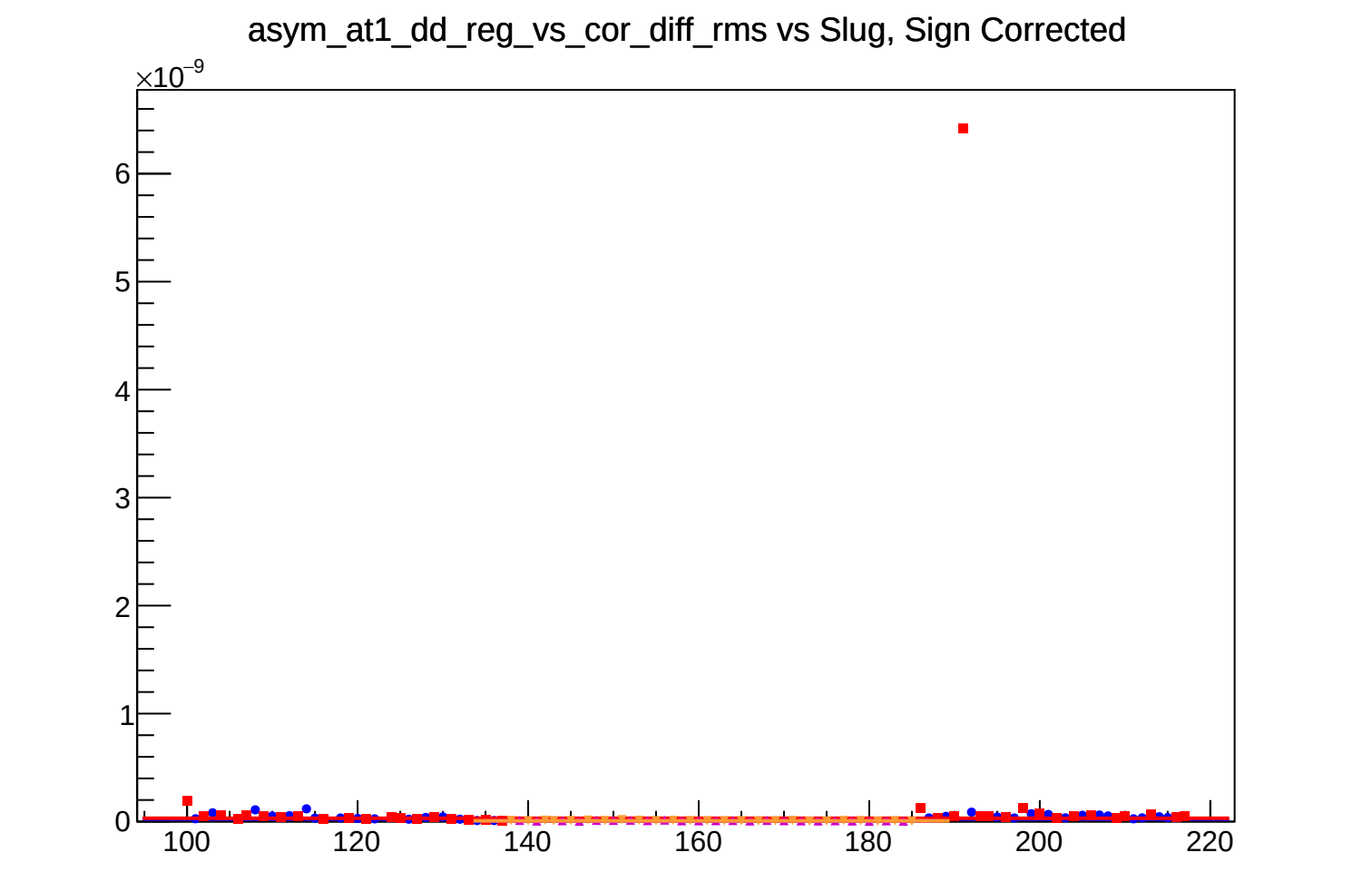
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 73.3/66

In: -0.000+/-0.000 χ^2/NDF:54.8/53

Out: 0.000+/-0.000 χ^2/NDF:78.1/60

All: -0.000+/-0.000 χ^2/NDF: 135.0/114



Right In: 0.000+/-0.000 χ^2/NDF: 5484371.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3901815.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

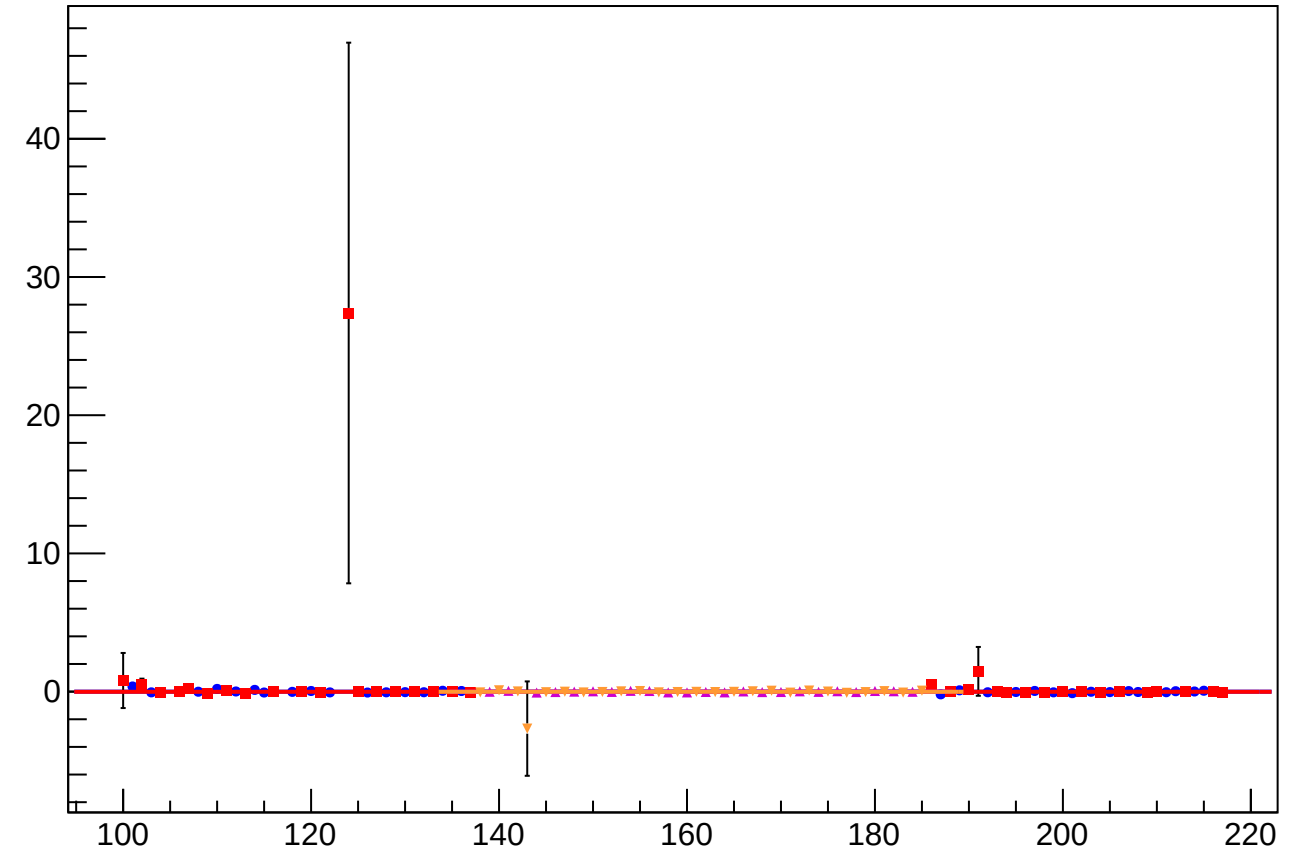
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9928378.2/66

In: 0.000+/-0.000 χ^2/NDF:10975937.9/53

Out: 0.000+/-0.000 χ^2/NDF:12377498.0/60

All: 0.000+/-0.000 χ^2/NDF: 23353824.6/114



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: -0.012+/-0.011 χ^2/NDF: 30.0/35

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

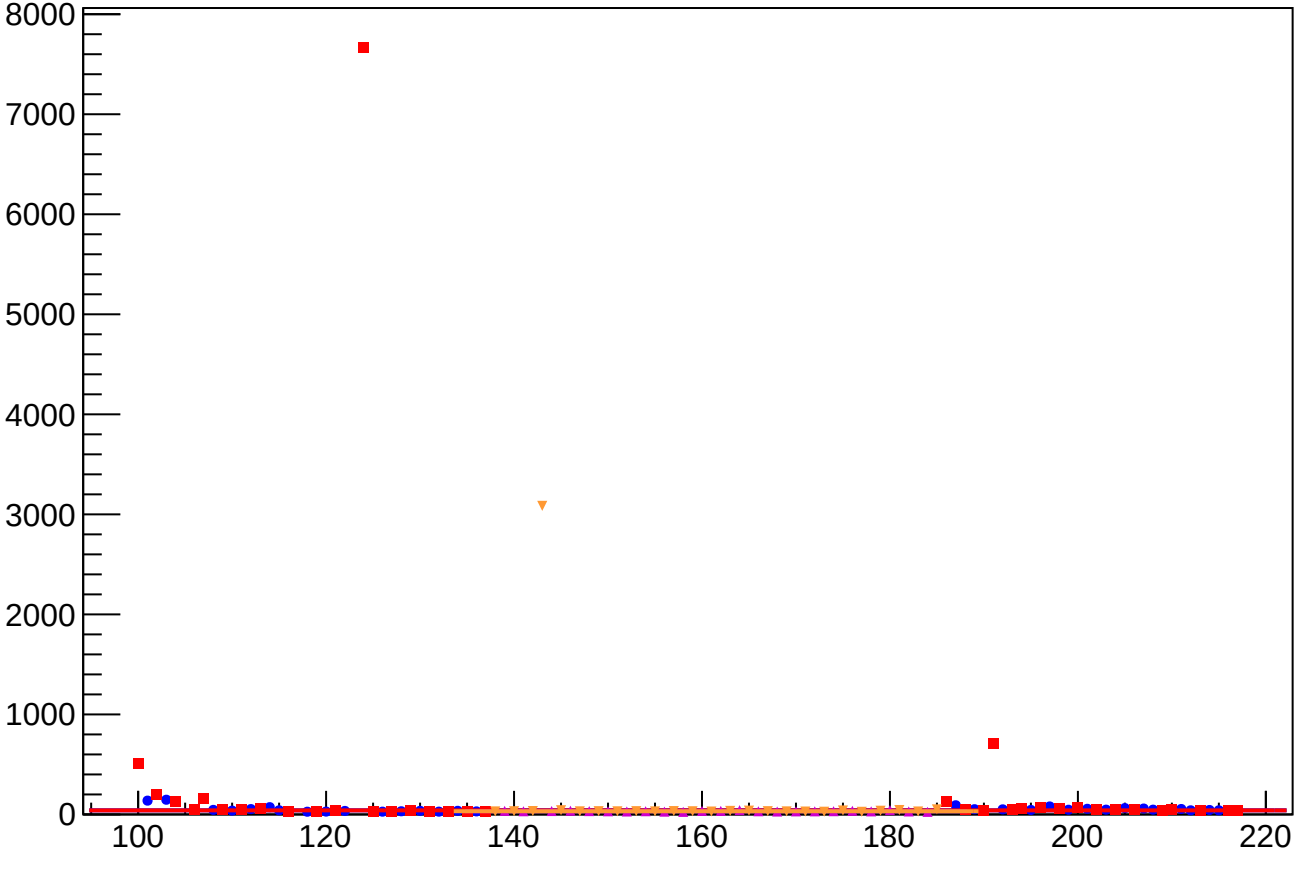
Right: -0.007+/-0.008 χ^2/NDF: 62.1/66

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.011+/-0.006 χ^2/NDF:69.6/60

All: -0.007+/-0.005 χ^2/NDF: 122.8/114

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: 40.884+/-0.007 χ^2/NDF: 4359079.5/35

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

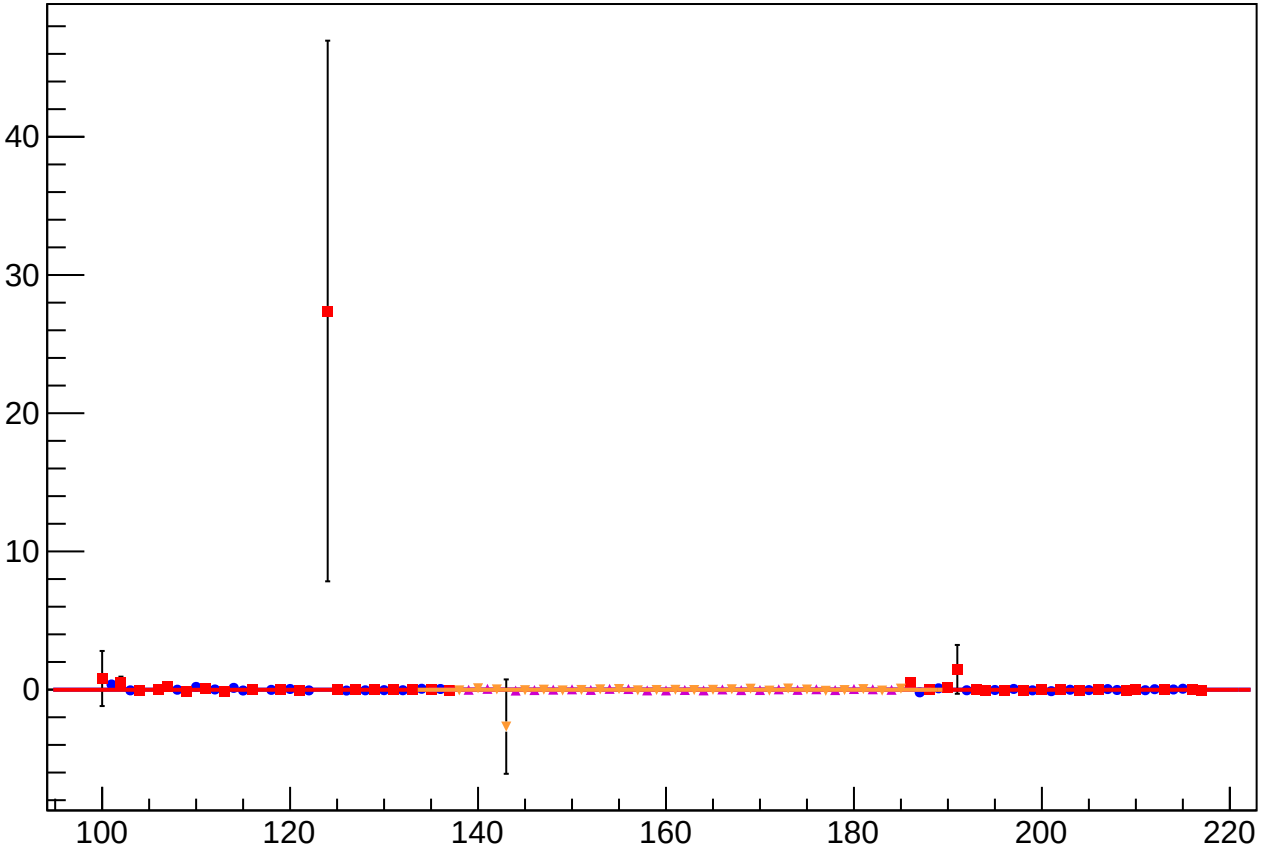
Right: 41.113+/-0.005 χ^2/NDF: 7724869.6/66

In: 35.753+/-0.005 χ^2/NDF:4656187.3/53

Out: 35.533+/-0.005 χ^2/NDF:7307019.3/60

All: 35.641+/-0.003 χ^2/NDF: 11964342.6/114

asym_at1_dd_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: -0.012+/-0.011 χ^2/NDF: 30.0/35

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

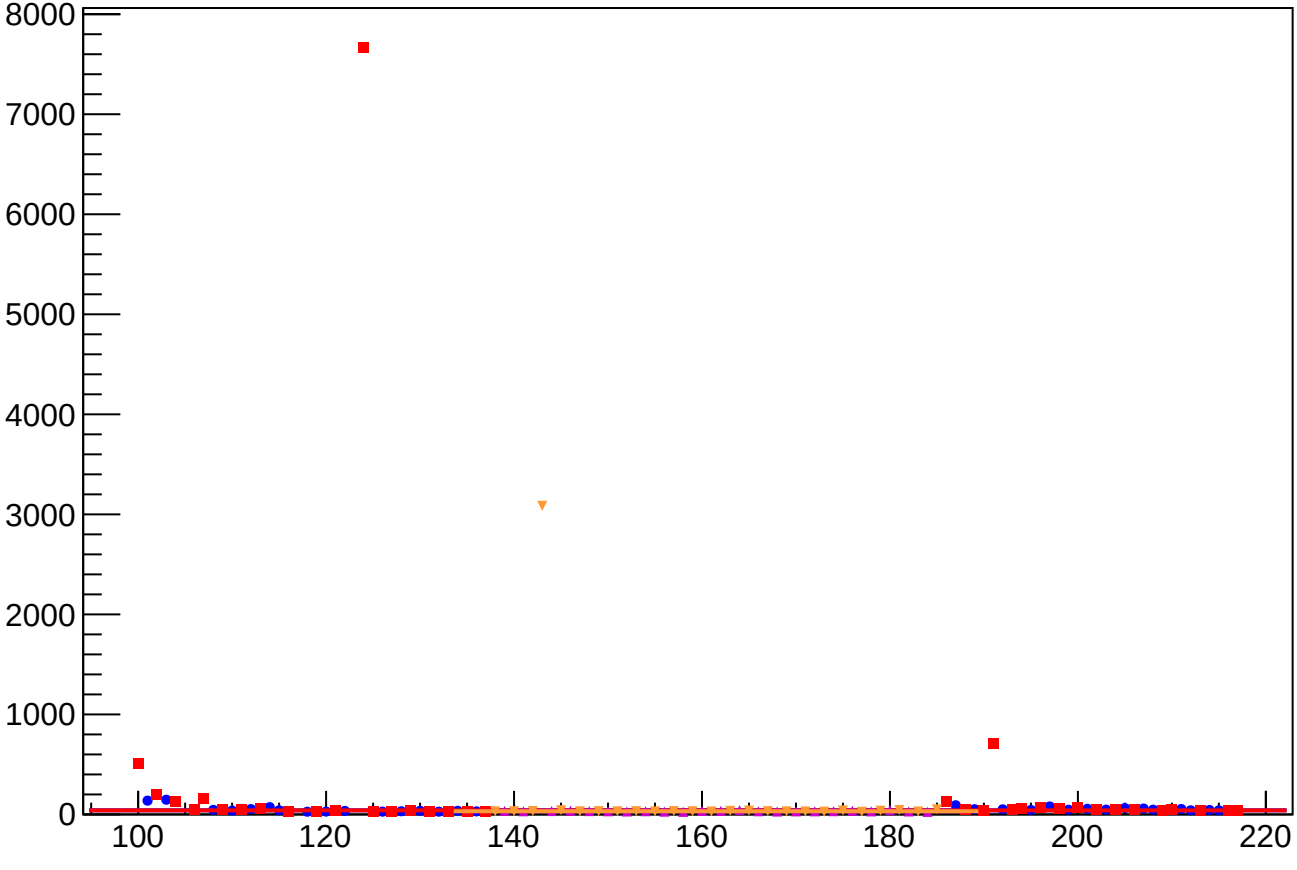
Right: -0.007+/-0.008 χ^2/NDF: 62.1/66

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.011+/-0.006 χ^2/NDF:69.6/60

All: -0.007+/-0.005 χ^2/NDF: 122.8/114

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: 40.884+/-0.007 χ^2/NDF: 4359079.5/35

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

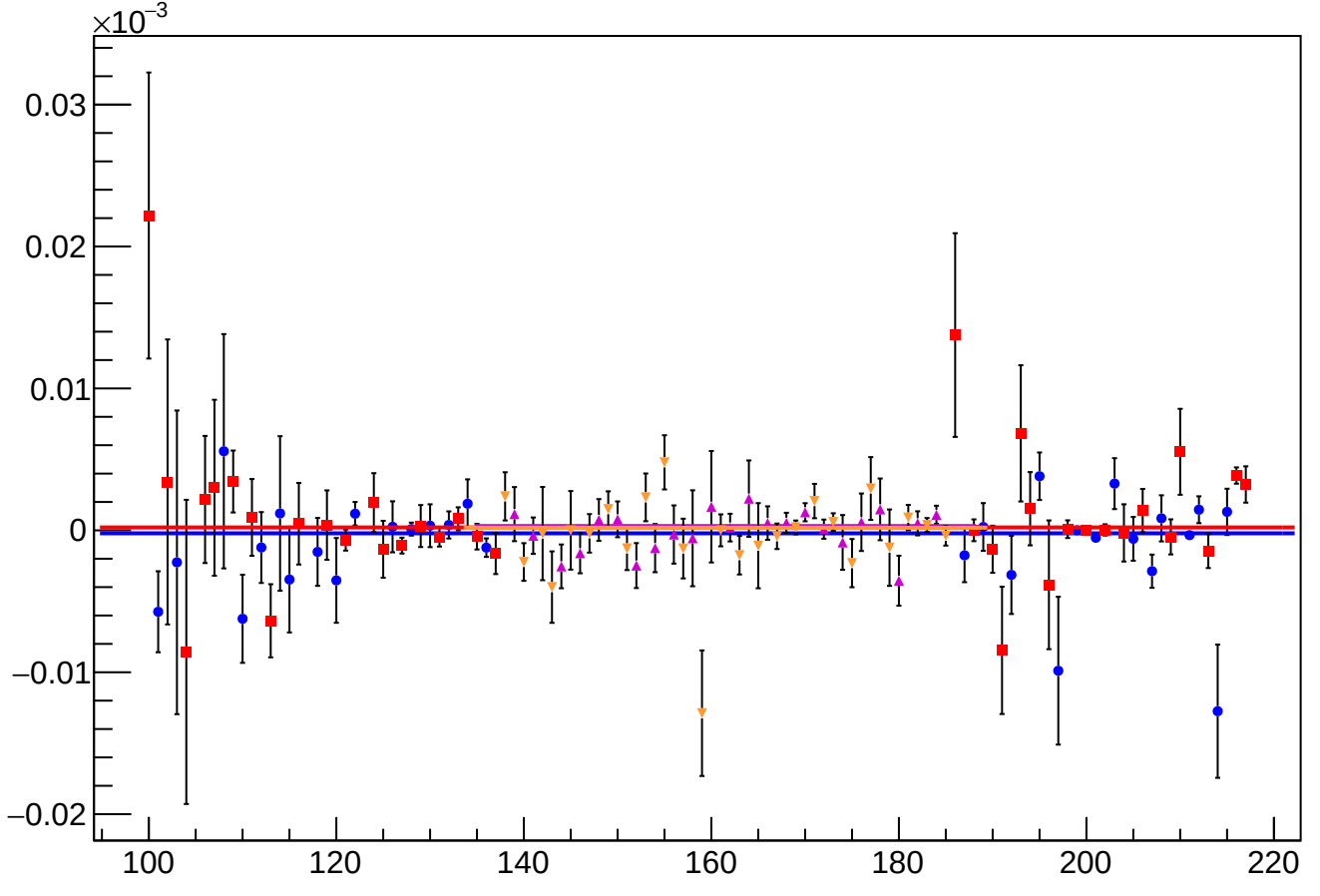
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.113+/-0.005 χ^2/NDF: 7724869.6/66

In: 35.753+/-0.005 χ^2/NDF:4656187.3/53

Out: 35.533+/-0.005 χ^2/NDF:7307019.3/60

All: 35.641+/-0.003 χ^2/NDF: 11964342.6/114



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: 90.5/35

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

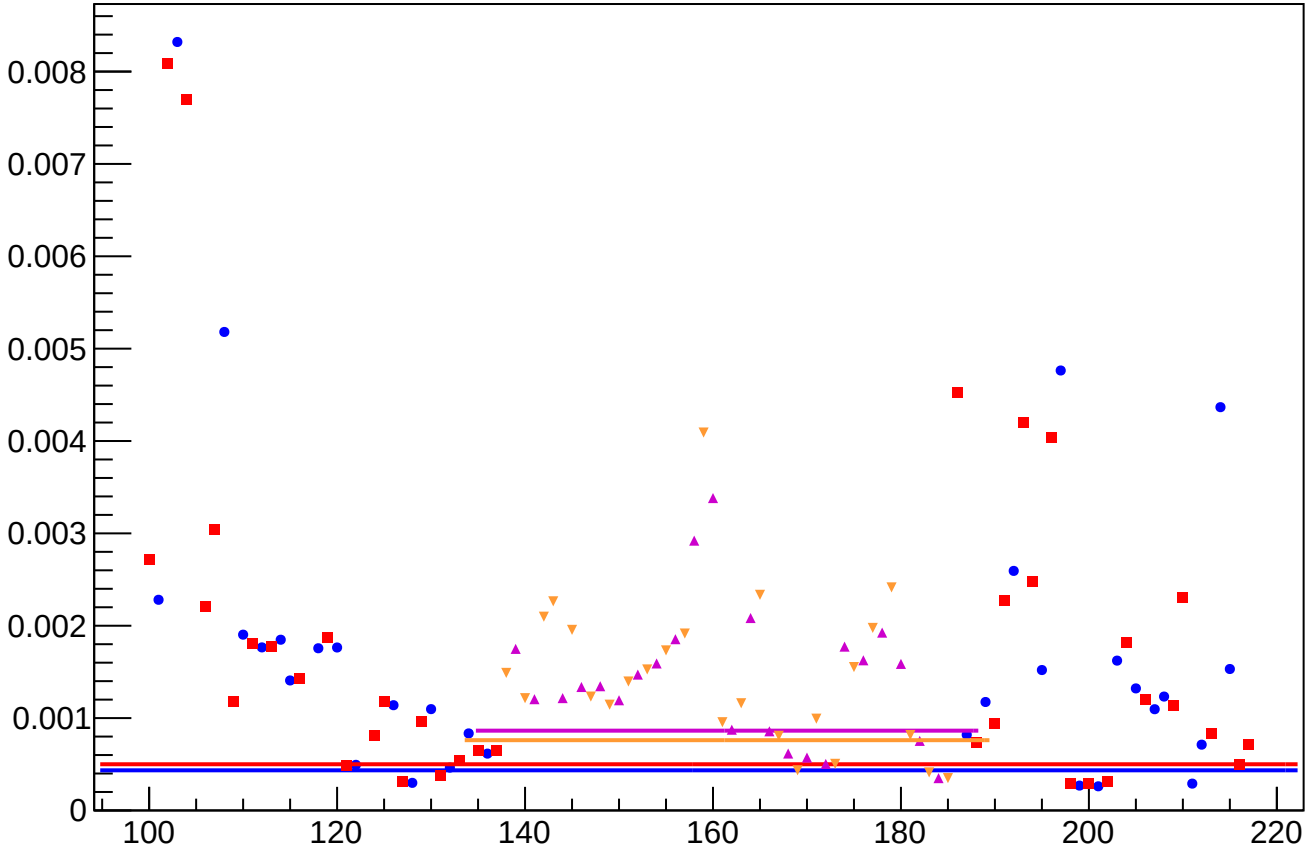
Right: -0.000+/-0.000 χ^2/NDF: 146.1/66

In: -0.000+/-0.000 χ^2/NDF:75.4/53

Out: 0.000+/-0.000 χ^2/NDF:128.1/60

All: 0.000+/-0.000 χ^2/NDF: 205.9/114

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16844319.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14798690.9/35

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

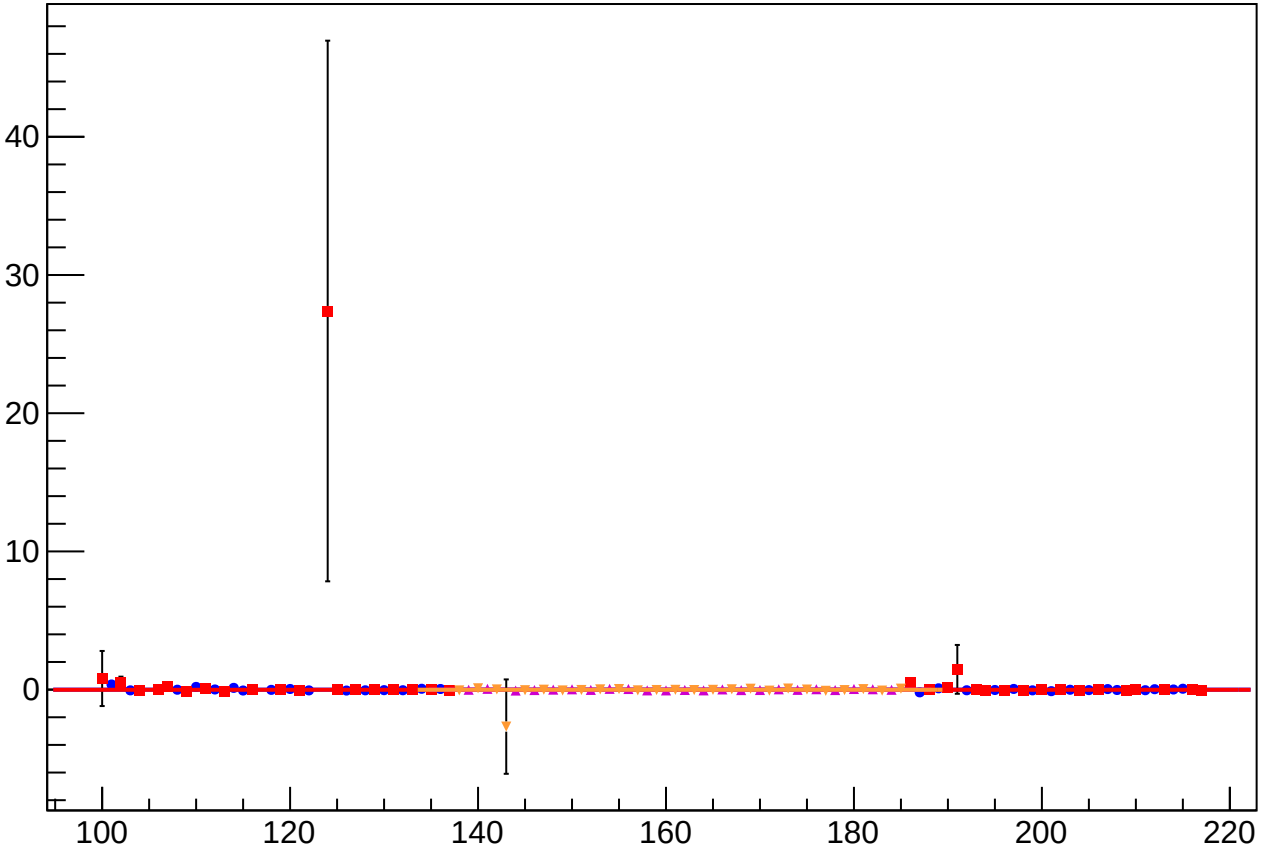
Right: 0.000+/-0.000 χ^2/NDF: 31832908.7/66

In: 0.001+/-0.000 χ^2/NDF:30039031.8/53

Out: 0.001+/-0.000 χ^2/NDF:27822143.2/60

All: 0.001+/-0.000 χ^2/NDF: 58001912.2/114

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.011 χ^2/NDF: 31.6/30

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.012+/-0.011 χ^2/NDF: 30.0/35

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

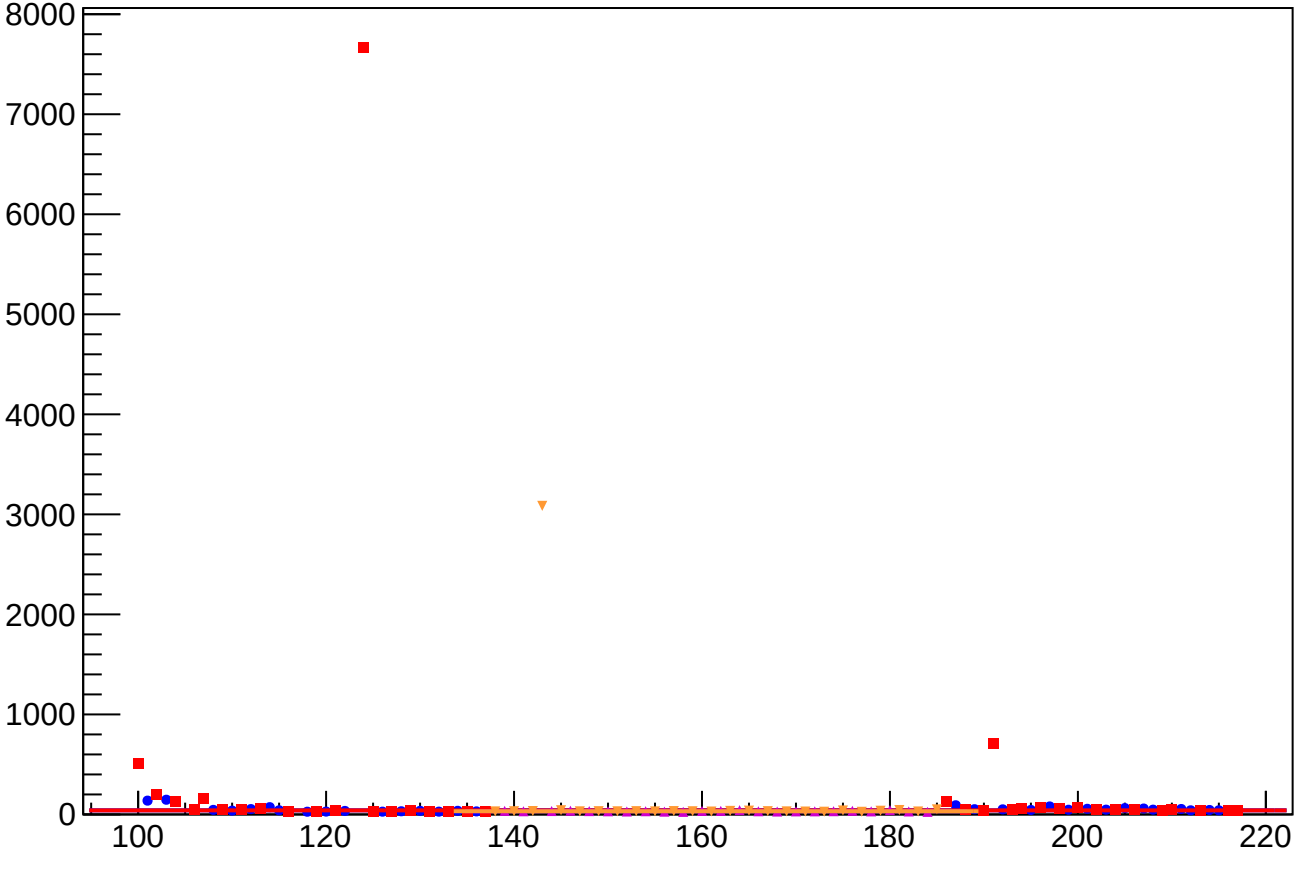
Right: -0.007+/-0.008 χ^2/NDF: 62.1/66

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.011+/-0.006 χ^2/NDF:69.6/60

All: -0.007+/-0.005 χ^2/NDF: 122.8/114

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: 40.884+/-0.007 χ^2/NDF: 4359094.4/35

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

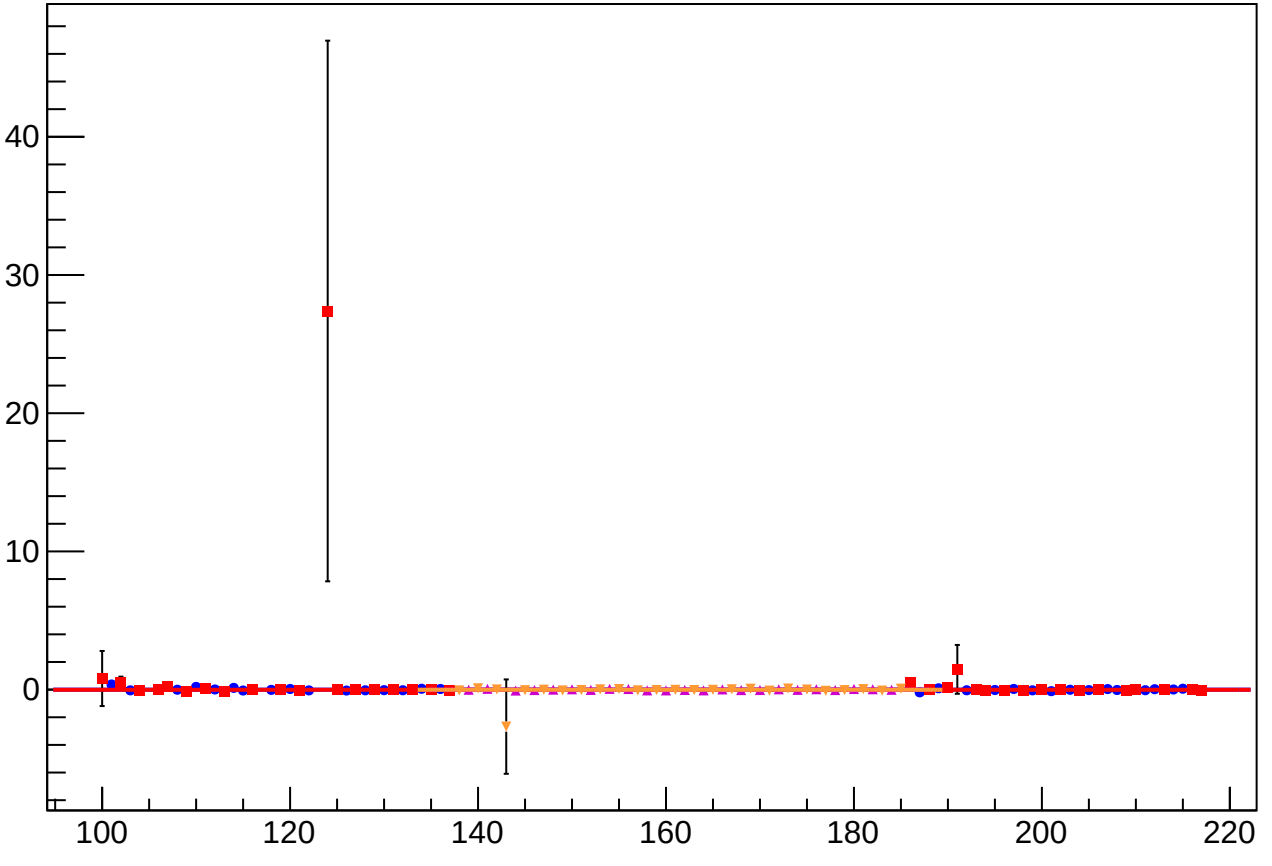
Right: 41.113+/-0.005 χ^2/NDF: 7724877.5/66

In: 35.753+/-0.005 χ^2/NDF:4656047.8/53

Out: 35.533+/-0.005 χ^2/NDF:7307094.1/60

All: 35.641+/-0.003 χ^2/NDF: 11964280.1/114

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: -0.012+/-0.011 χ^2/NDF: 30.0/35

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

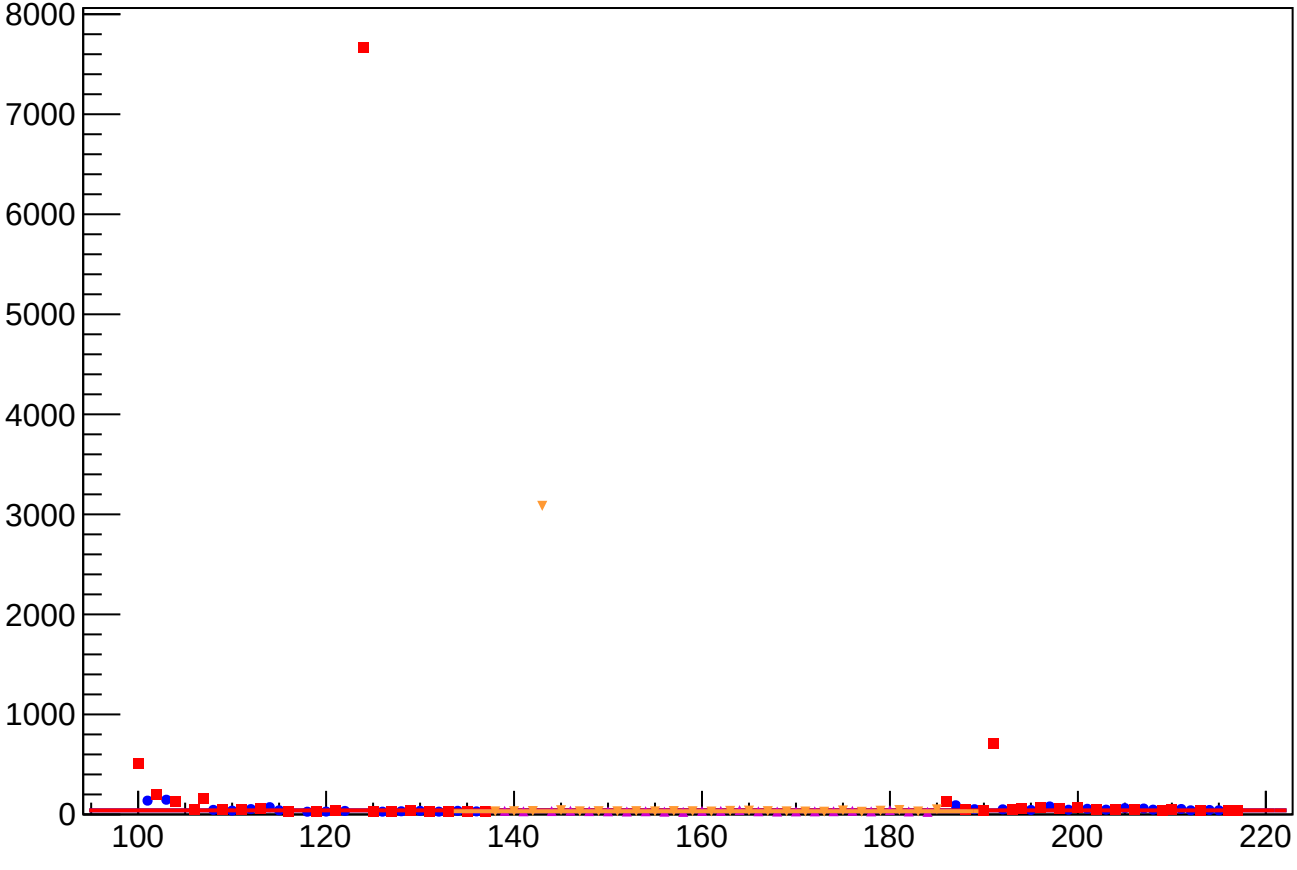
Right: -0.007+/-0.008 χ^2/NDF: 62.1/66

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.011+/-0.006 χ^2/NDF:69.6/60

All: -0.007+/-0.005 χ^2/NDF: 122.8/114

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: 40.884+/-0.007 χ^2/NDF: 4359094.4/35

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

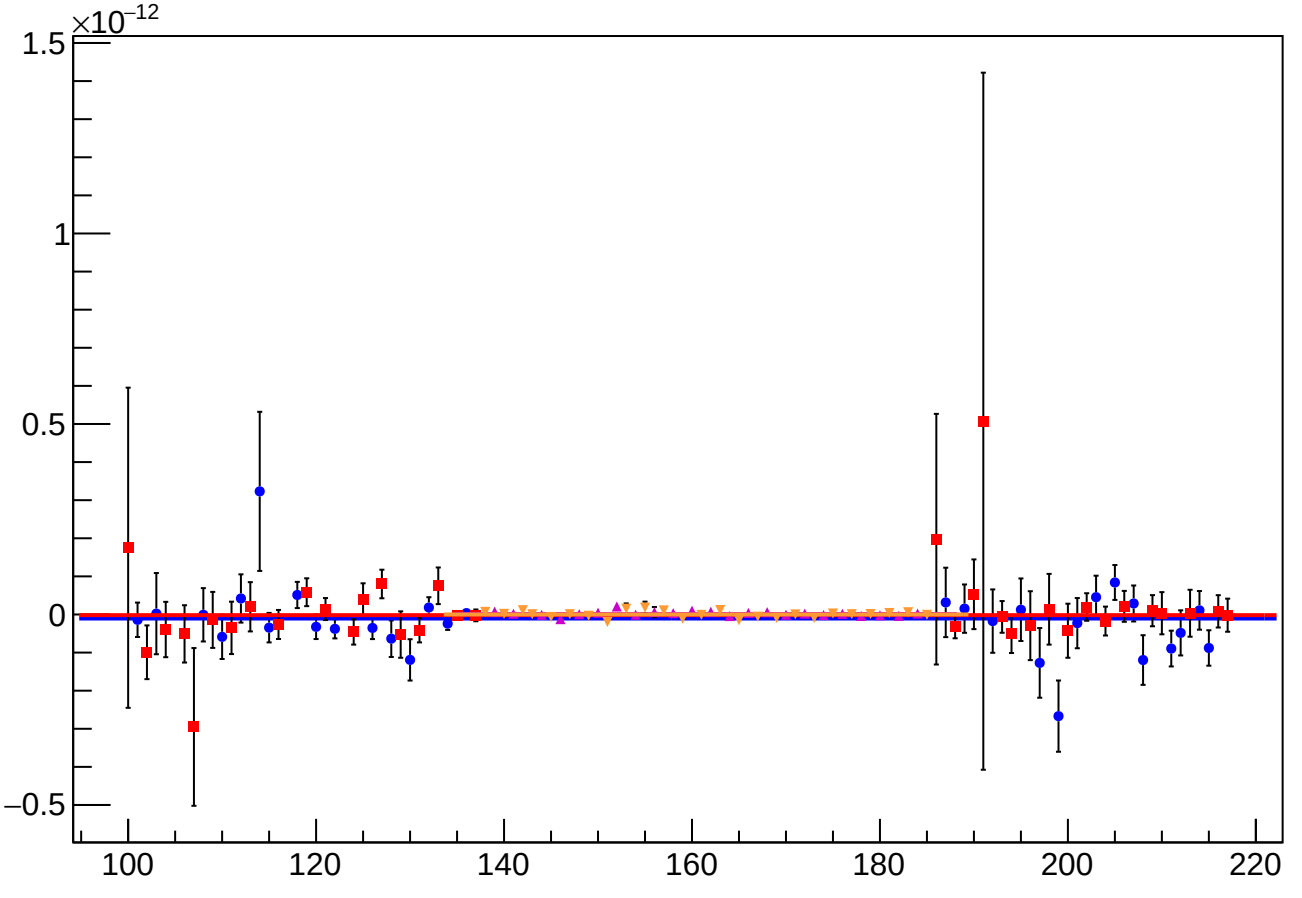
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 41.113+/-0.005 χ^2/NDF: 7724877.5/66

In: 35.753+/-0.005 χ^2/NDF:4656047.8/53

Out: 35.533+/-0.005 χ^2/NDF:7307094.1/60

All: 35.641+/-0.003 χ^2/NDF: 11964280.1/114



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: 25.4/35

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

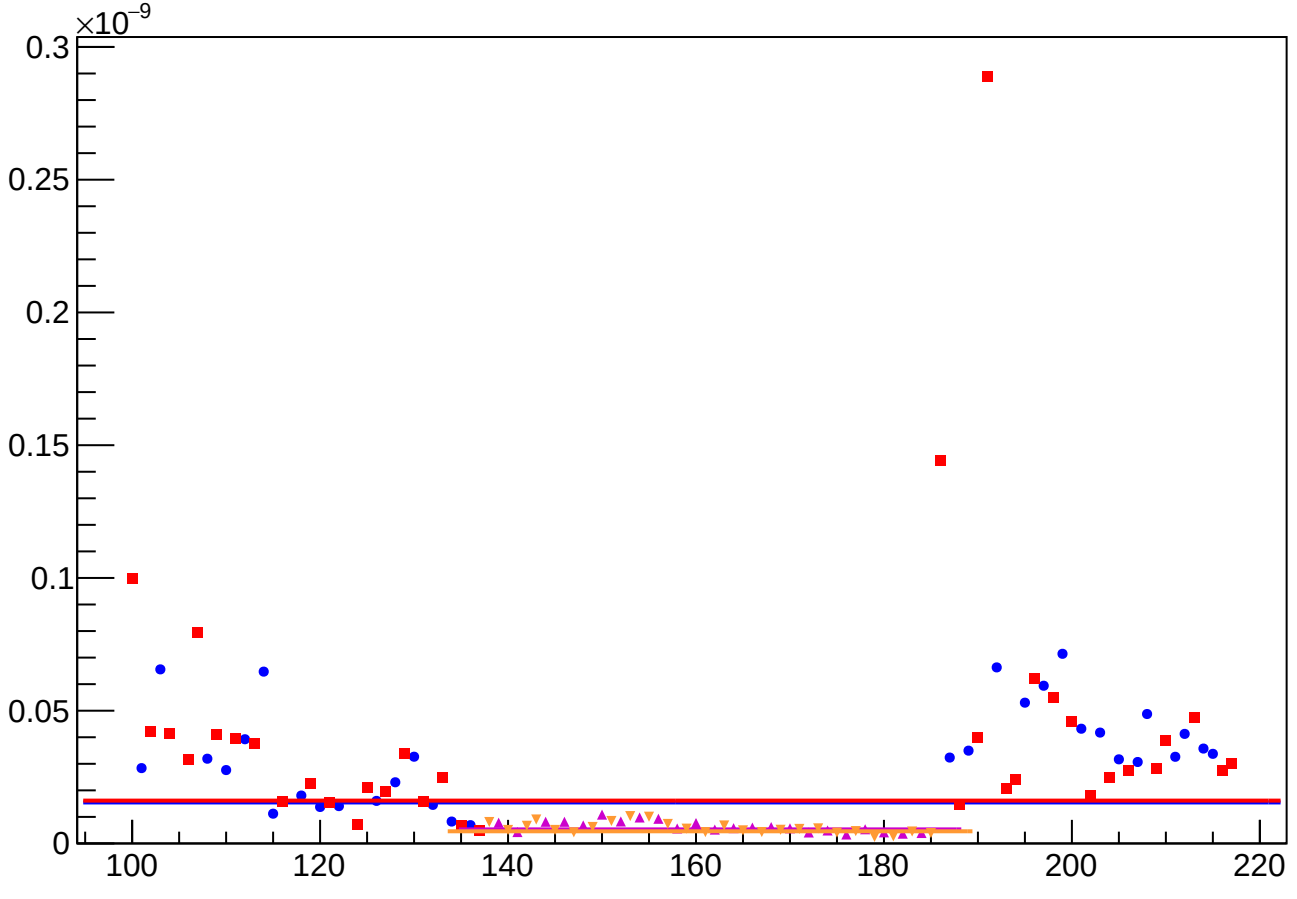
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 70.3/66

In: 0.000+/-0.000 χ^2/NDF:56.7/53

Out: -0.000+/-0.000 χ^2/NDF:46.5/60

All: 0.000+/-0.000 χ^2/NDF: 103.2/114



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: 7912057.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

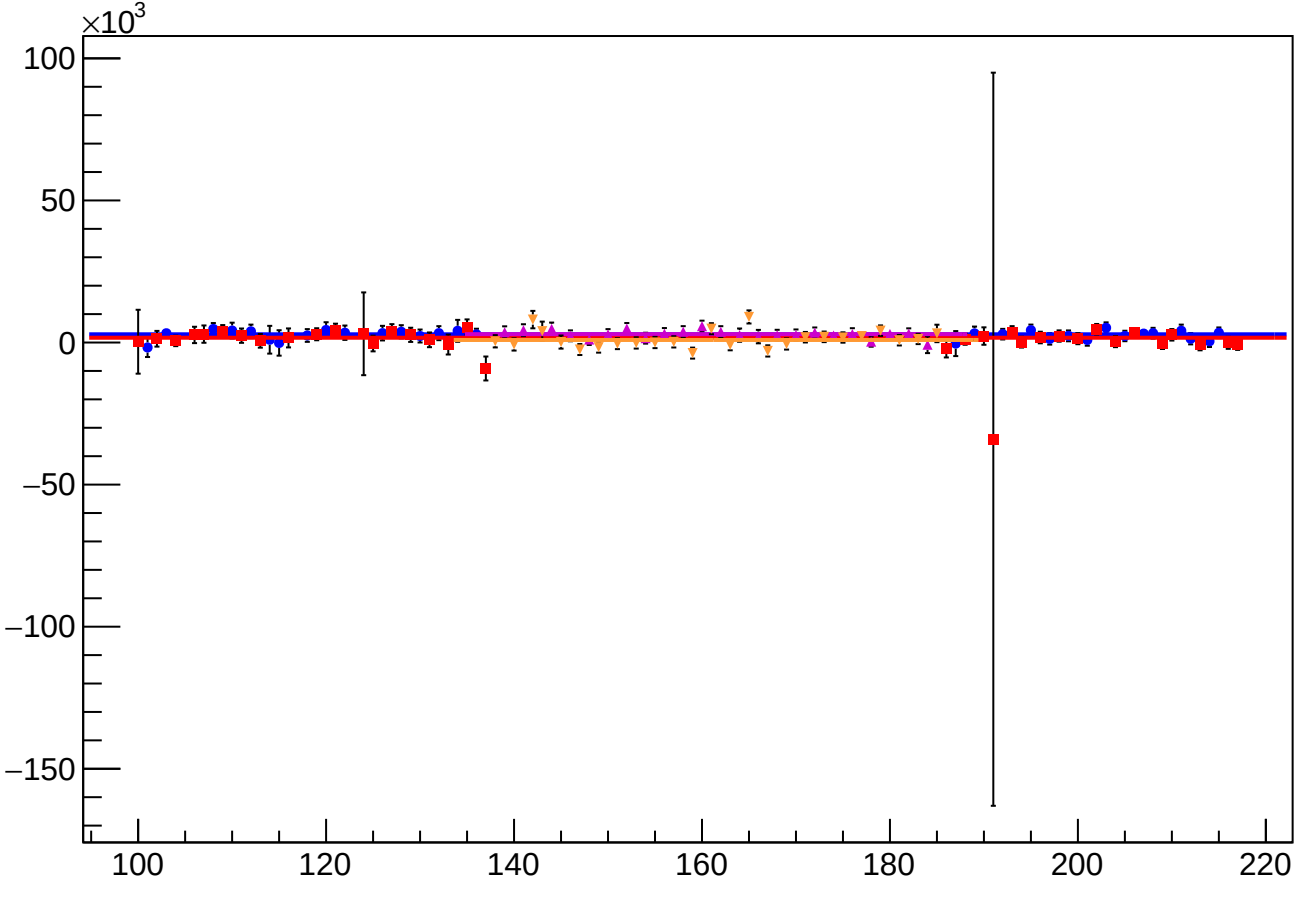
Right: 0.000+/-0.000 χ^2/NDF: 17216814.5/66

In: 0.000+/-0.000 χ^2/NDF:16997008.8/53

Out: 0.000+/-0.000 χ^2/NDF:17297806.4/60

All: 0.000+/-0.000 χ^2/NDF: 34602797.4/114

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: 1687.142+/-392.164 χ^2/NDF: 27.3/35

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

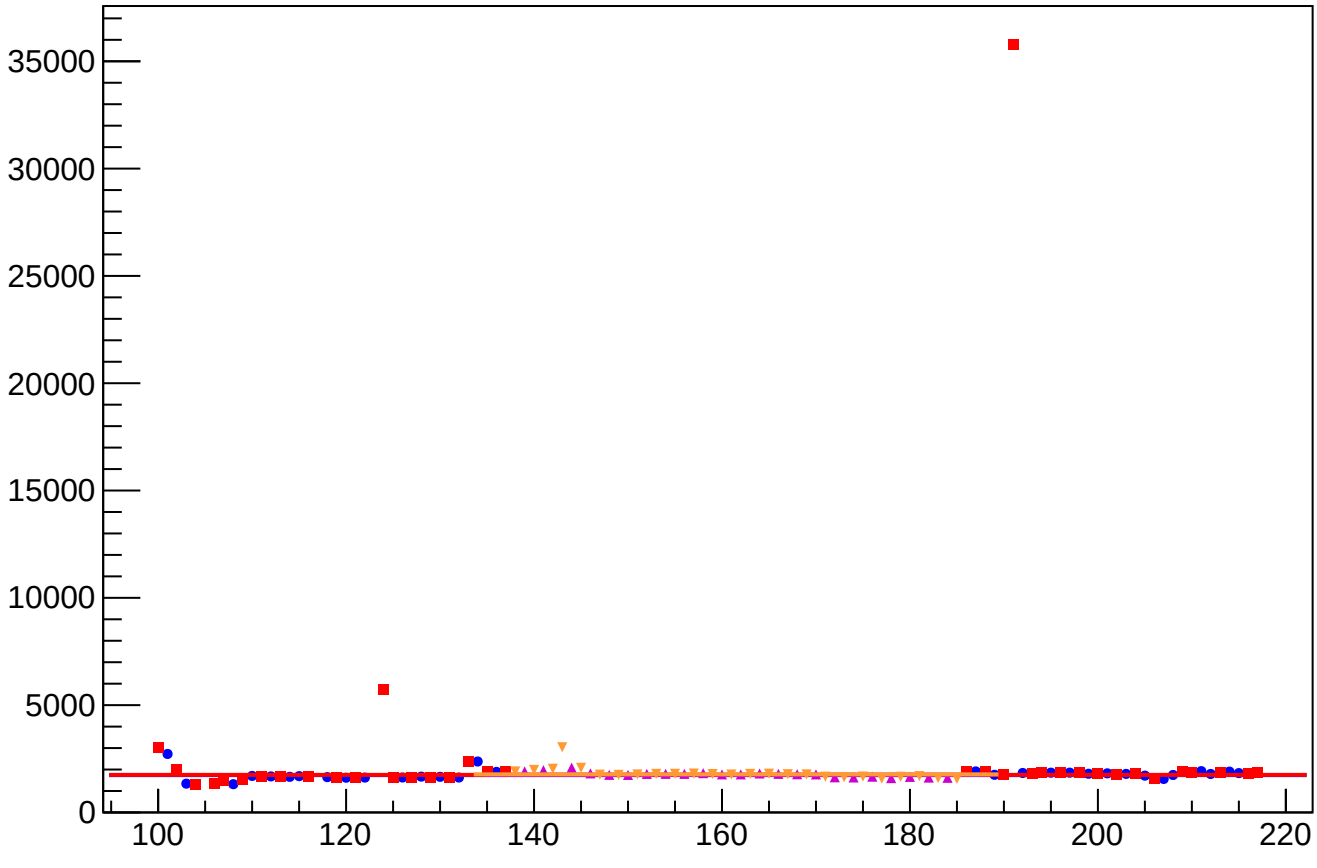
Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

Right: 2281.392+/-279.817 χ^2/NDF: 43.4/66

In: 2919.780+/-286.784 χ^2/NDF:21.9/53

Out: 1306.245+/-281.912 χ^2/NDF:74.5/60

All: 2099.191+/-201.042 χ^2/NDF: 112.6/114



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: 1750.784+/-0.277 χ^2/NDF: 735597.8/35

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

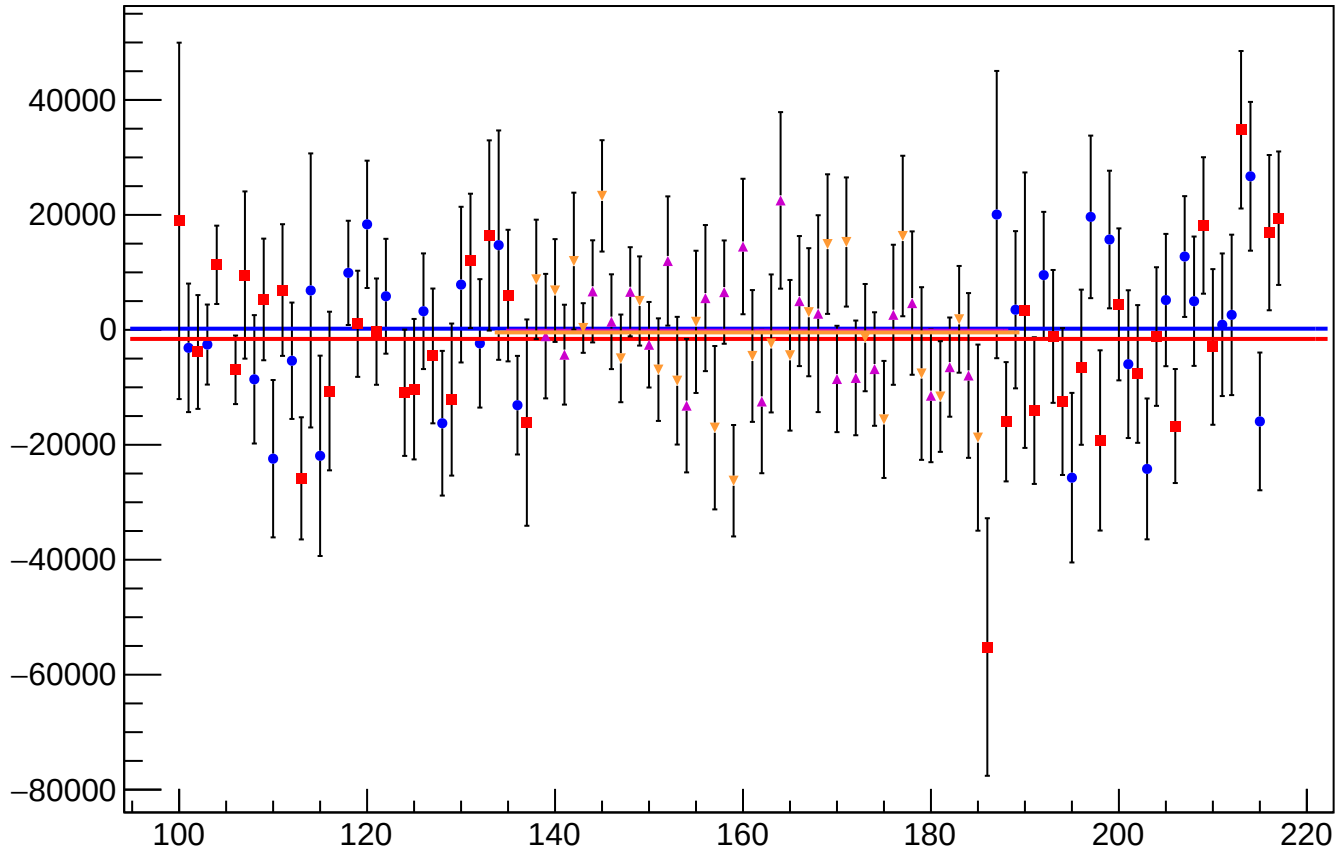
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1745.841+/-0.198 χ^2/NDF: 1268889.4/66

In: 1750.583+/-0.203 χ^2/NDF:681432.0/53

Out: 1762.356+/-0.199 χ^2/NDF:1186097.3/60

All: 1756.570+/-0.142 χ^2/NDF: 1869243.4/11



Right In: 201.906+/-2101.656 χ^2/NDF: 34.9/30

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -1580.477+/-1916.841 χ^2/NDF: 46.3/35

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

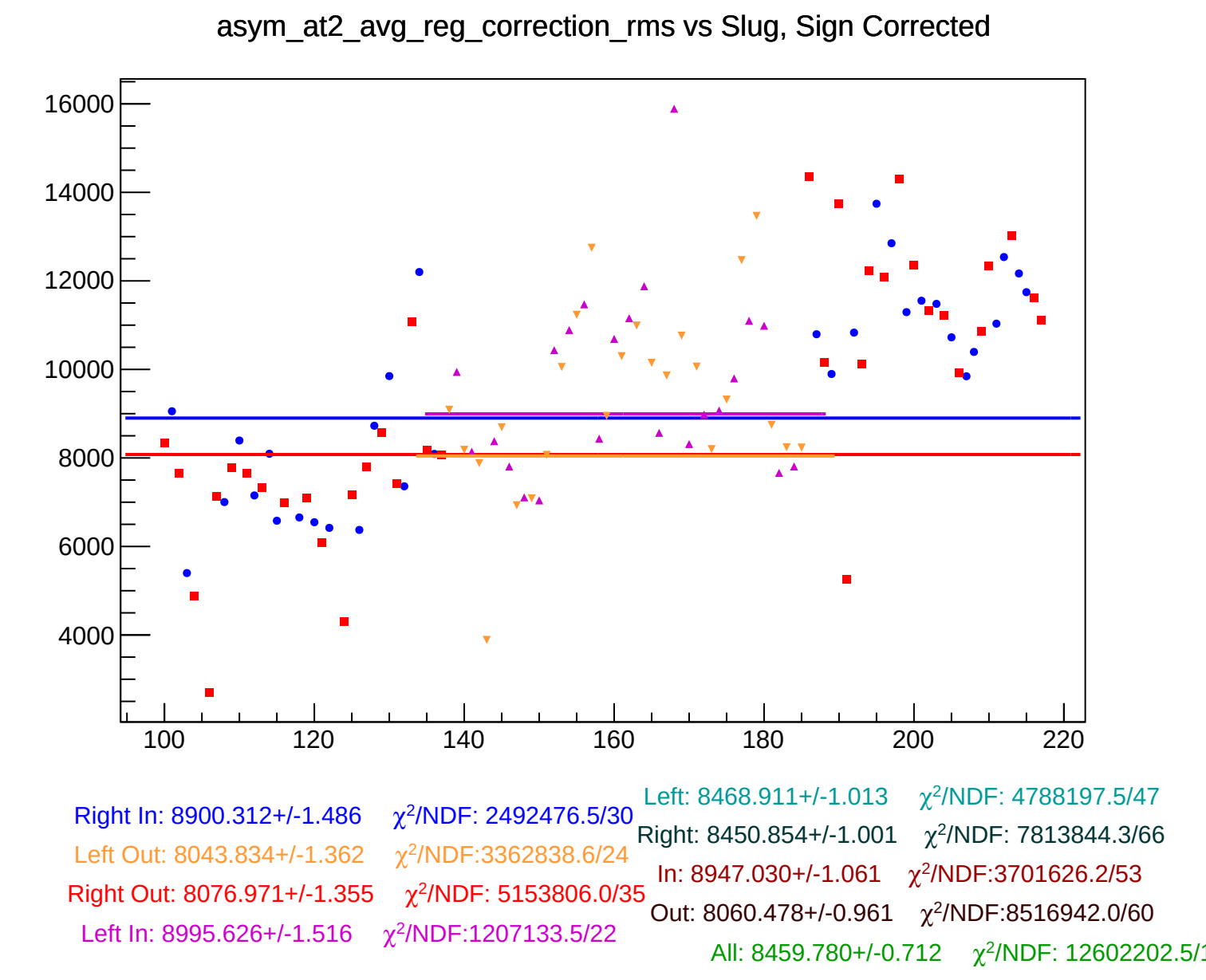
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -771.086+/-1416.251 χ^2/NDF: 81.6/66

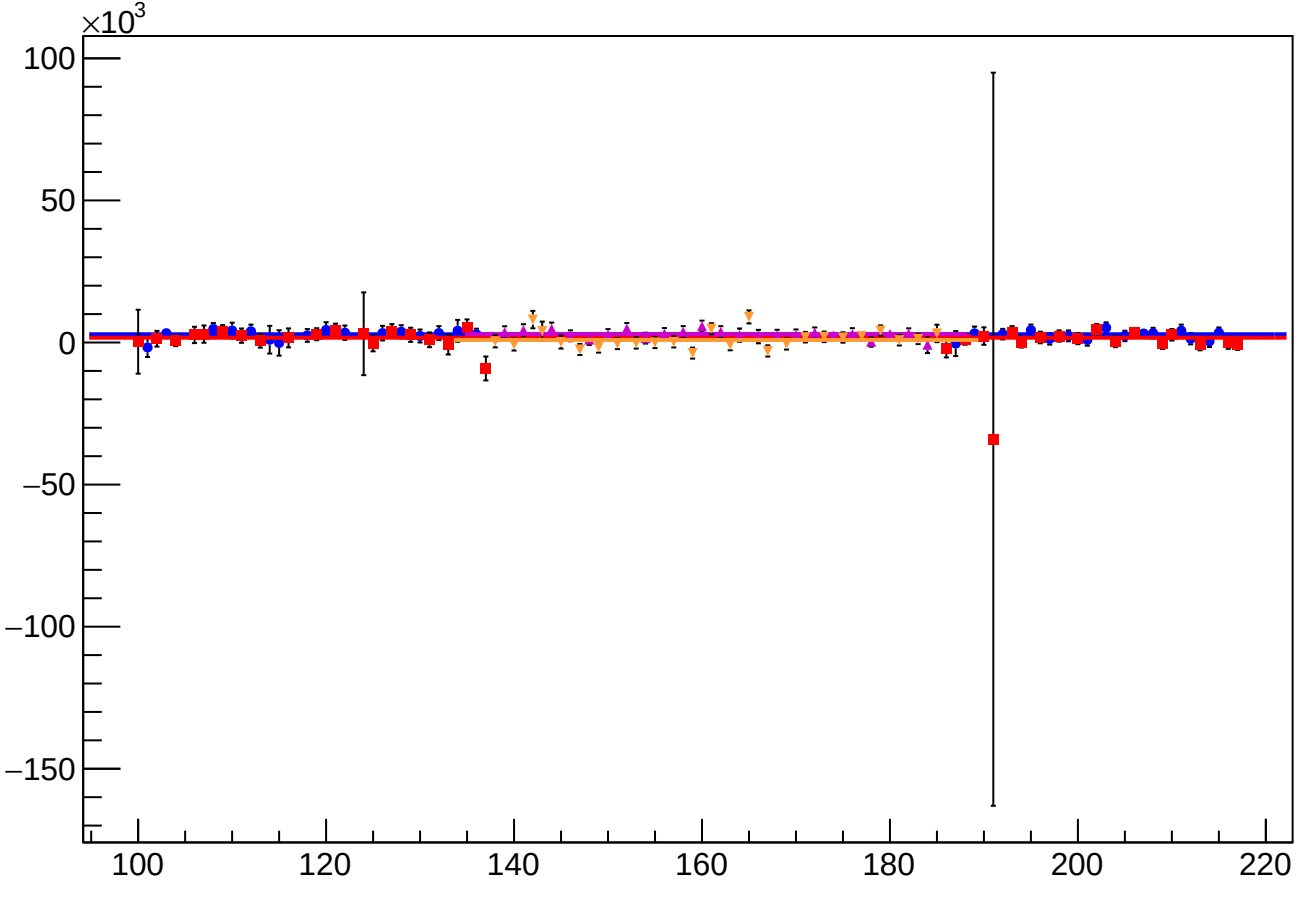
In: 26.838+/-1500.667 χ^2/NDF:48.8/53

Out: -1014.505+/-1358.499 χ^2/NDF:75.9/60

All: -545.485+/-1007.124 χ^2/NDF: 125.0/114


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: 8076.971+/-1.355 χ²/NDF: 5153806.0/35
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 8450.854+/-1.001 χ²/NDF: 7813844.3/66
In: 8947.030+/-1.061 χ²/NDF:3701626.2/53
Out: 8060.478+/-0.961 χ²/NDF:8516942.0/60
All: 8459.780+/-0.712 χ²/NDF: 12602202.5/

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: 1687.086+/-392.164 χ^2/NDF: 27.3/35

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

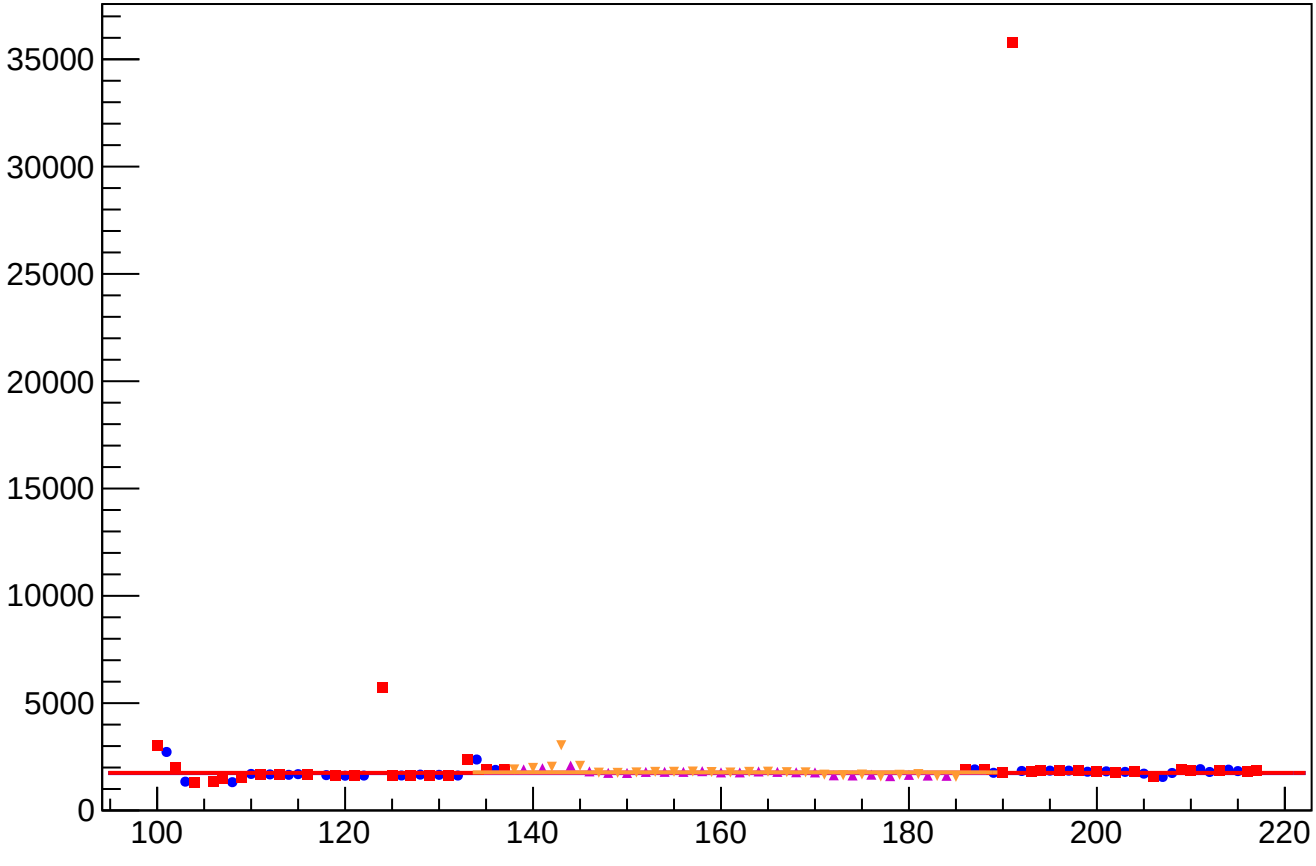
Right: 2281.376+/-279.817 χ^2/NDF: 43.4/66

In: 2919.738+/-286.784 χ^2/NDF:21.9/53

Out: 1306.178+/-281.912 χ^2/NDF:74.5/60

All: 2099.136+/-201.042 χ^2/NDF: 112.6/114

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: 1750.784+/-0.277 χ^2/NDF: 735598.0/35

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

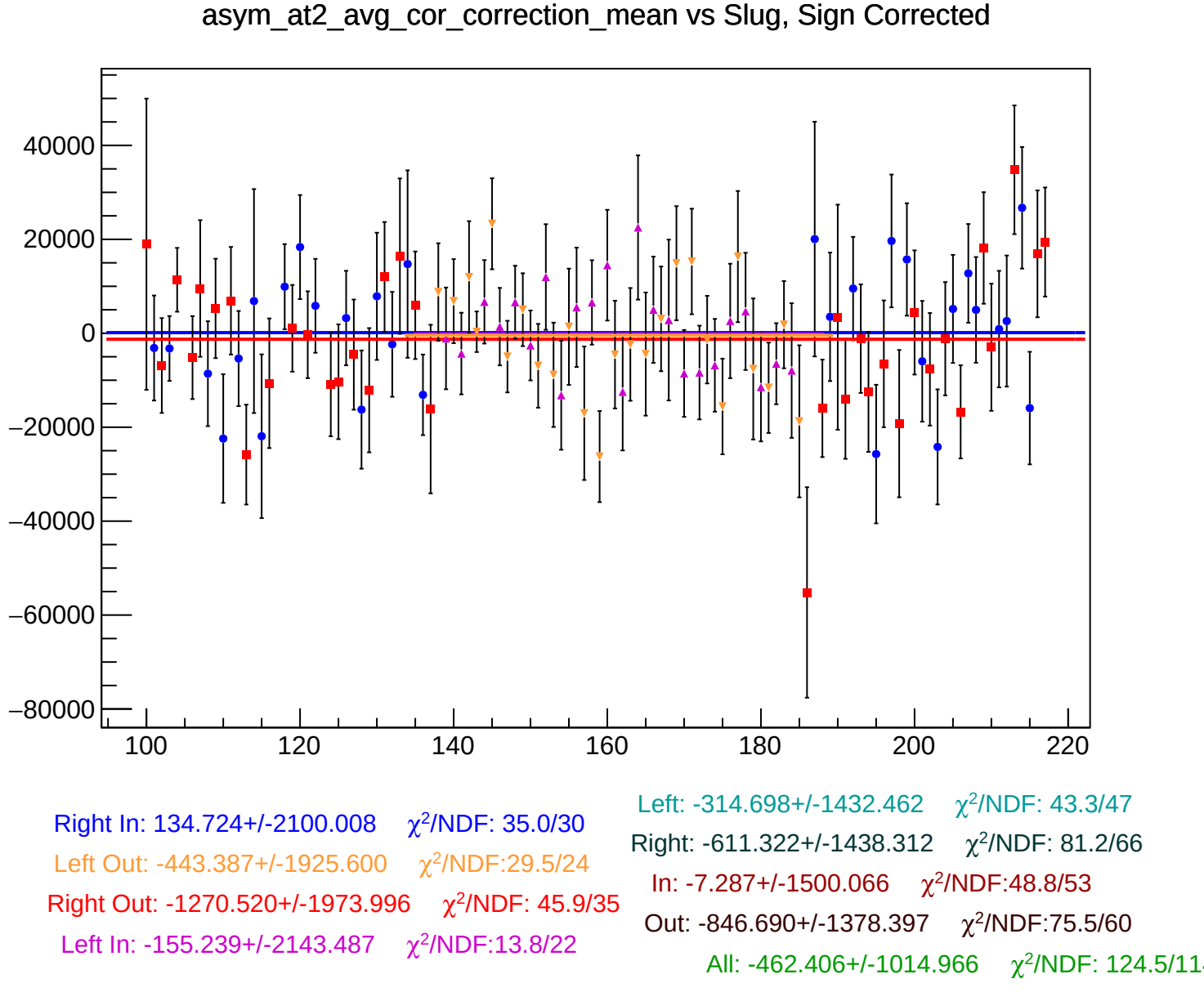
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

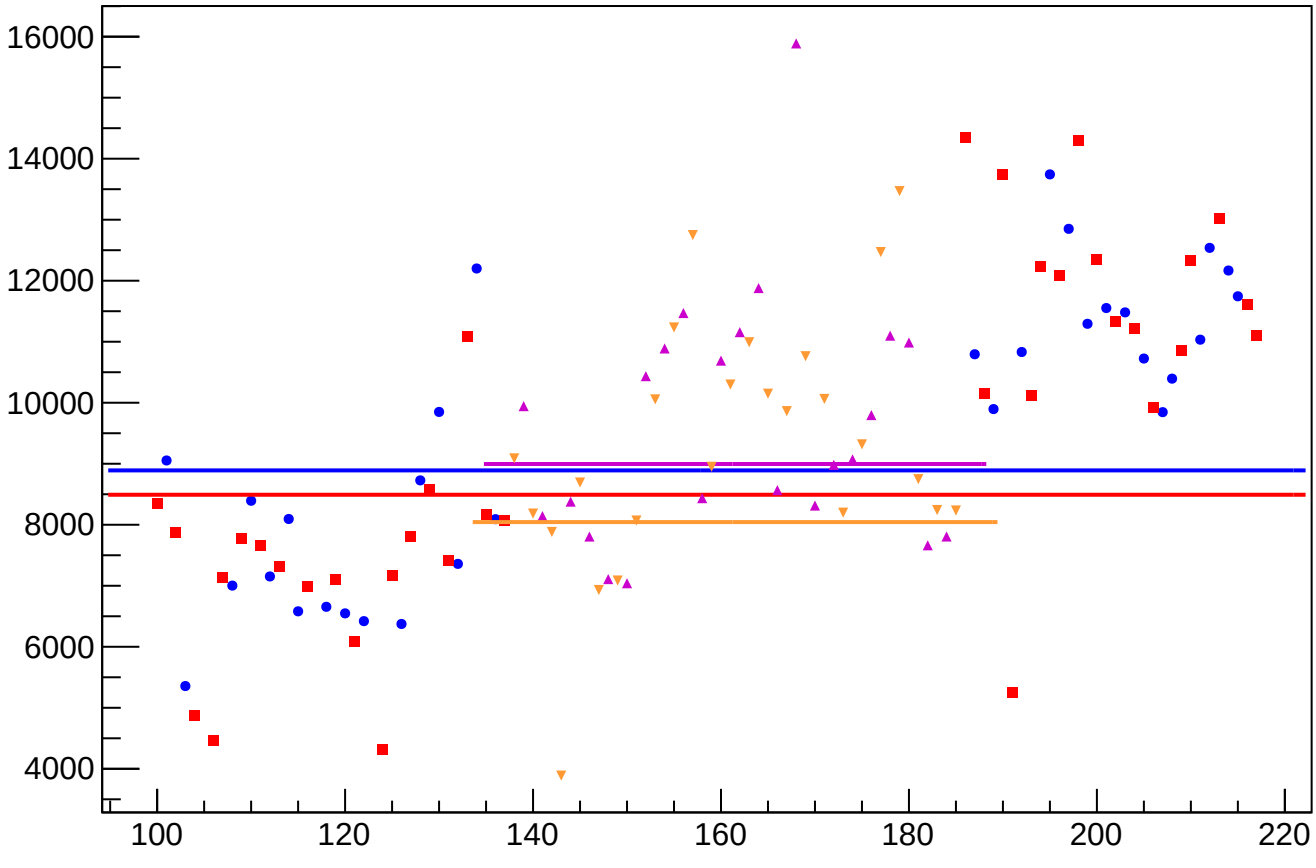
Right: 1745.841+/-0.198 χ^2/NDF: 1268890.0/66

In: 1750.583+/-0.203 χ^2/NDF:681432.5/53

Out: 1762.356+/-0.199 χ^2/NDF:1186097.6/60

All: 1756.570+/-0.142 χ^2/NDF: 1869244.1/11


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 134.724+/-2100.008 χ²/NDF: 35.0/30
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -1270.520+/-1973.996 χ²/NDF: 45.9/35
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: -611.322+/-1438.312 χ²/NDF: 81.2/66
In: -7.287+/-1500.066 χ²/NDF:48.8/53
Out: -846.690+/-1378.397 χ²/NDF:75.5/60
All: -462.406+/-1014.966 χ²/NDF: 124.5/114



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: 8491.779+/-1.396 χ^2/NDF: 3777380.6/35

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

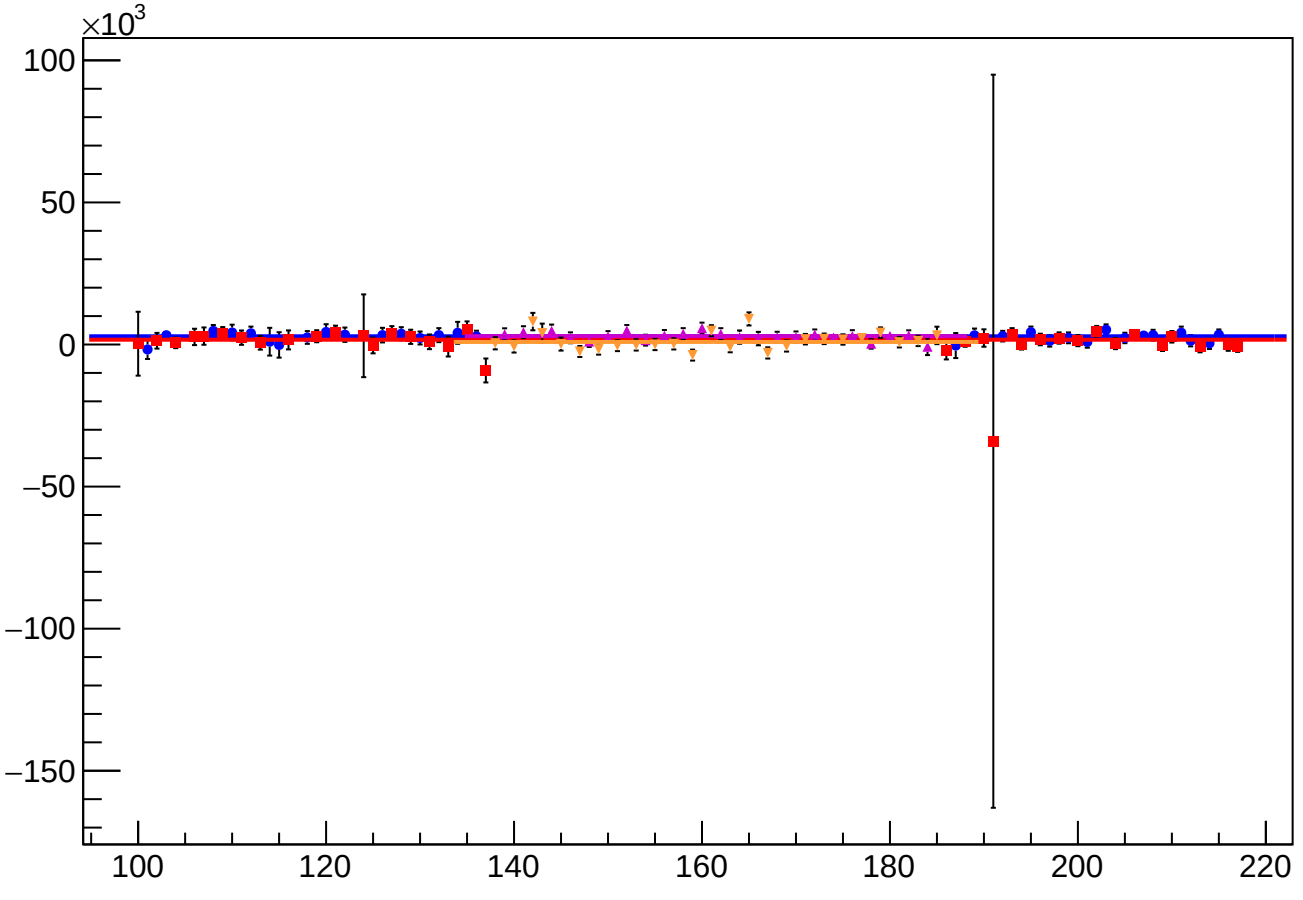
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8679.005+/-1.017 χ^2/NDF: 6329359.0/66

In: 8942.184+/-1.061 χ^2/NDF:3723199.9/53

Out: 8262.236+/-0.975 χ^2/NDF:7193074.5/60

All: 8573.520+/-0.718 χ^2/NDF: 11139074.4/1



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: 1687.086+/-392.164 χ^2/NDF: 27.3/35

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

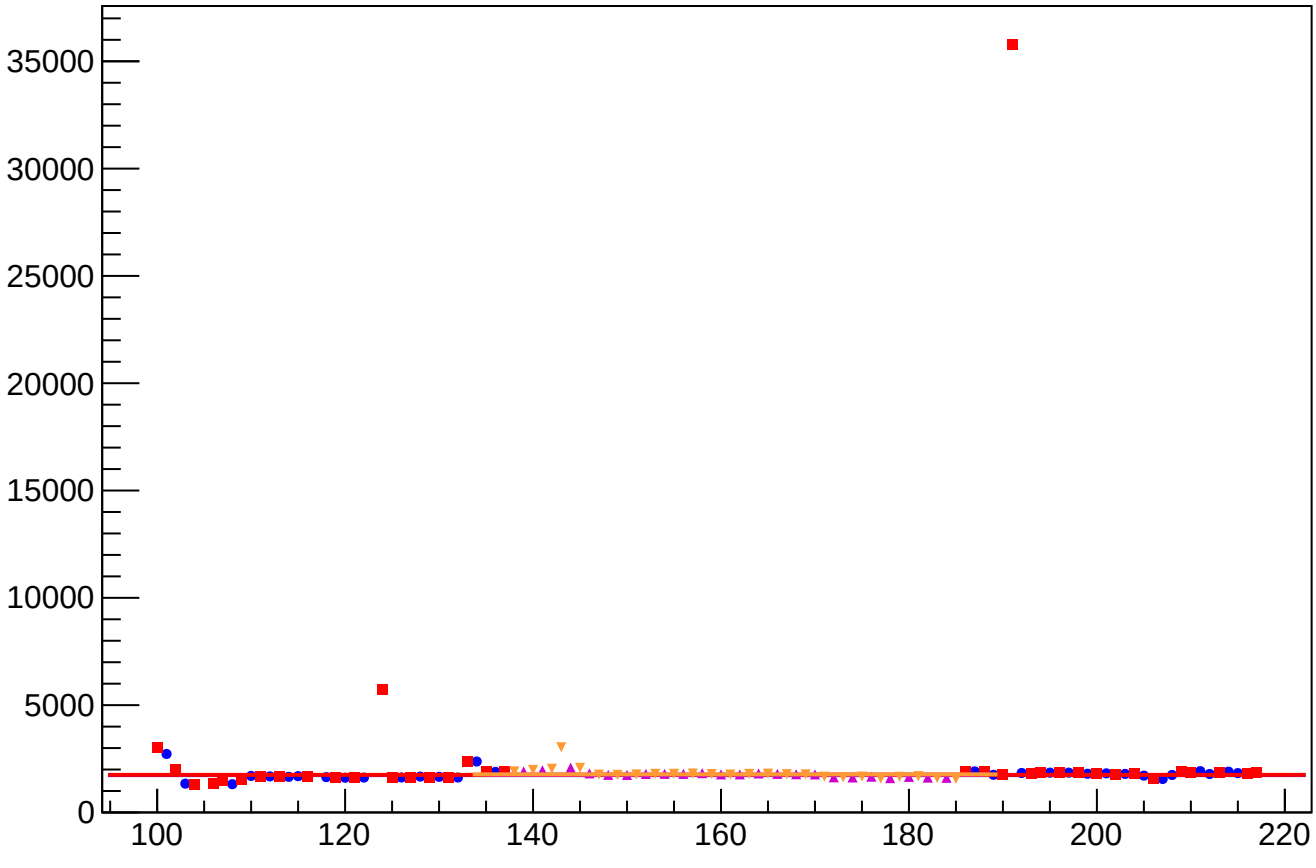
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2281.376+/-279.817 χ^2/NDF: 43.4/66

In: 2919.738+/-286.784 χ^2/NDF:21.9/53

Out: 1306.178+/-281.912 χ^2/NDF:74.5/60

All: 2099.136+/-201.042 χ^2/NDF: 112.6/114



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: 1750.784+/-0.277 χ^2/NDF: 735598.0/35

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

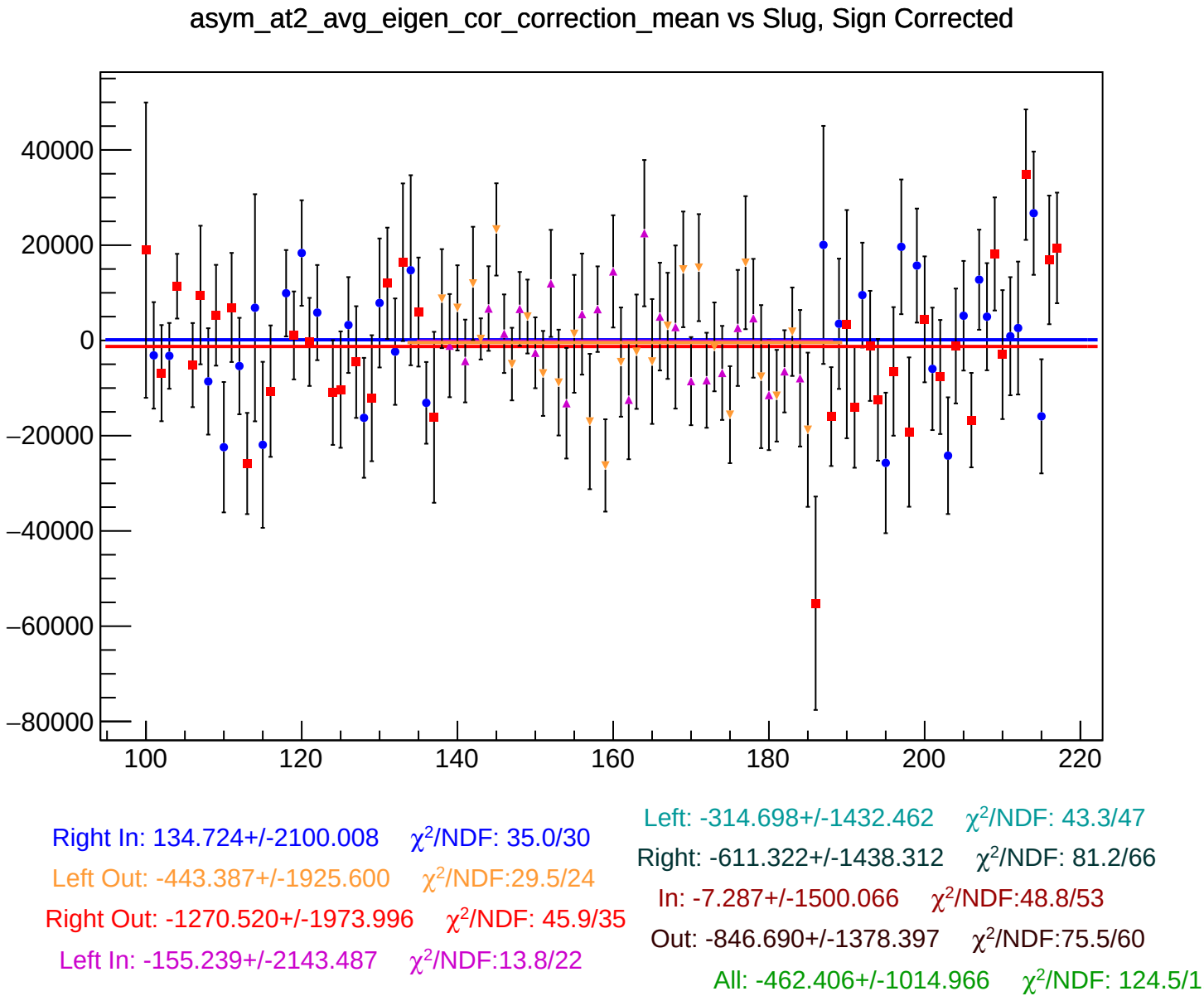
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

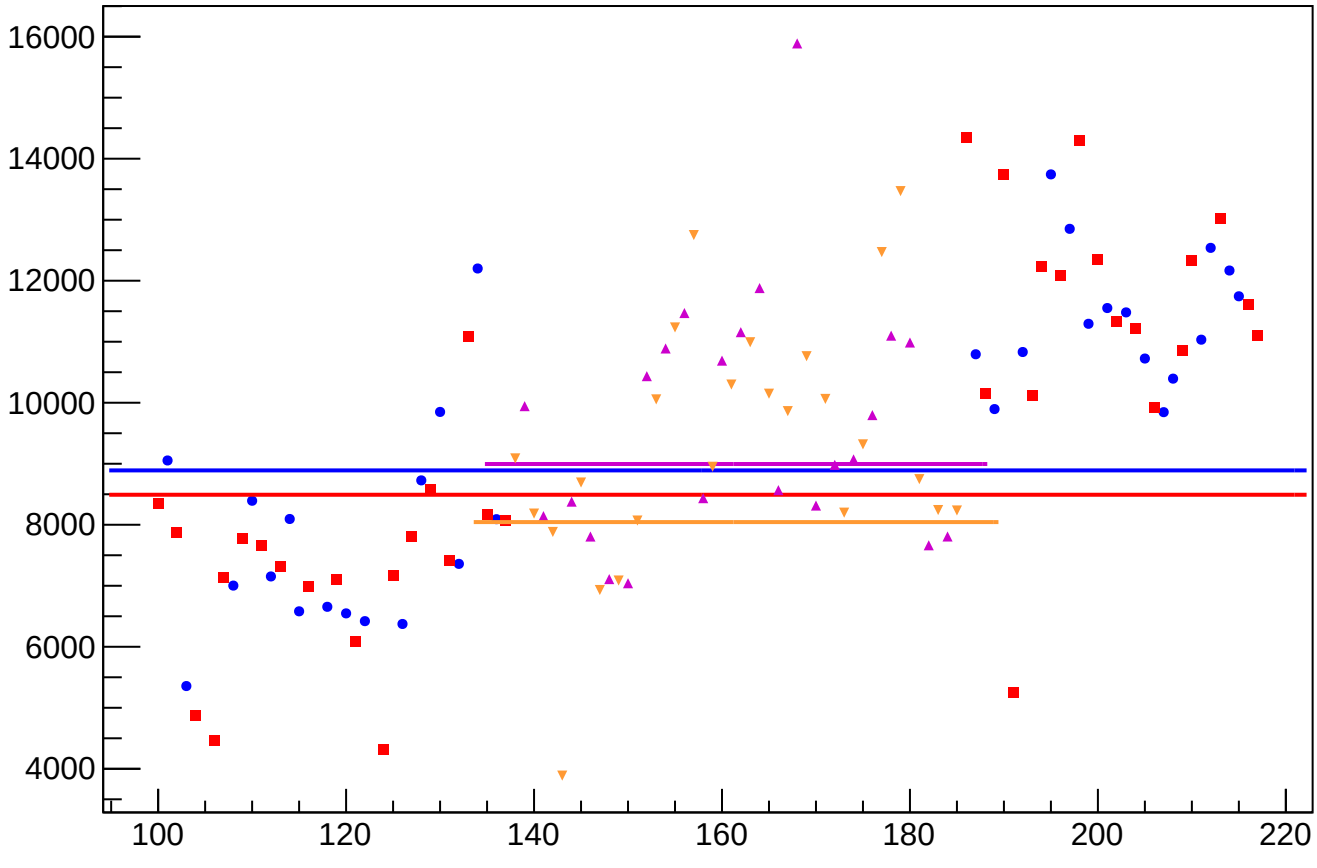
Right: 1745.841+/-0.198 χ^2/NDF: 1268890.0/66

In: 1750.583+/-0.203 χ^2/NDF:681432.5/53

Out: 1762.356+/-0.199 χ^2/NDF:1186097.6/60

All: 1756.570+/-0.142 χ^2/NDF: 1869244.1/11


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 134.724+/-2100.008 χ²/NDF: 35.0/30
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -1270.520+/-1973.996 χ²/NDF: 45.9/35
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: -611.322+/-1438.312 χ²/NDF: 81.2/66
In: -7.287+/-1500.066 χ²/NDF:48.8/53
Out: -846.690+/-1378.397 χ²/NDF:75.5/60
All: -462.406+/-1014.966 χ²/NDF: 124.5/114



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: 8491.779+/-1.396 χ^2/NDF: 3777380.6/35

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

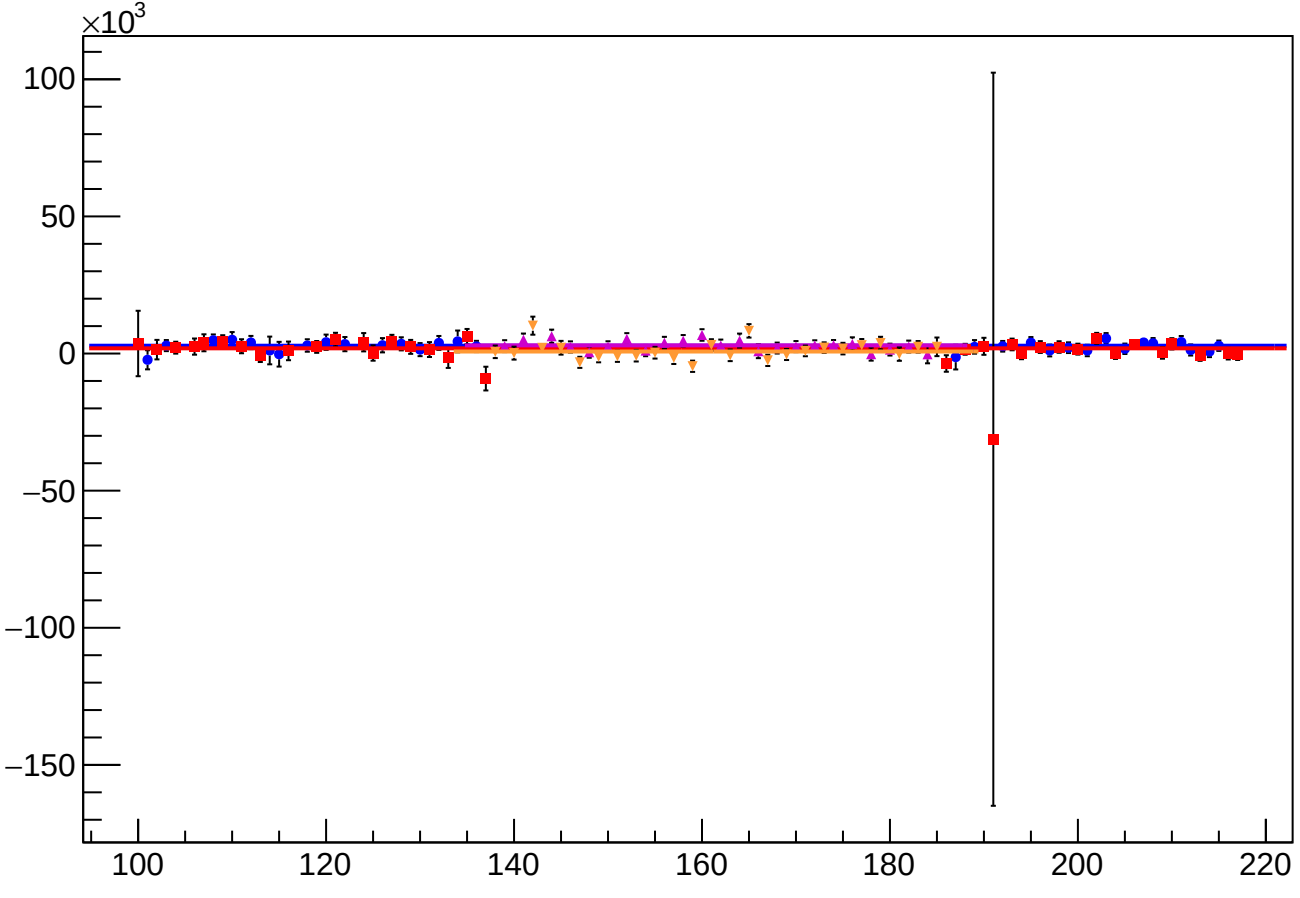
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8679.005+/-1.017 χ^2/NDF: 6329359.0/66

In: 8942.184+/-1.061 χ^2/NDF:3723199.9/53

Out: 8262.236+/-0.975 χ^2/NDF:7193074.5/60

All: 8573.520+/-0.718 χ^2/NDF: 11139074.4/1



Right In: 2851.125+/-411.788 χ^2/NDF: 12.9/30

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 1897.595+/-402.835 χ^2/NDF: 31.9/35

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

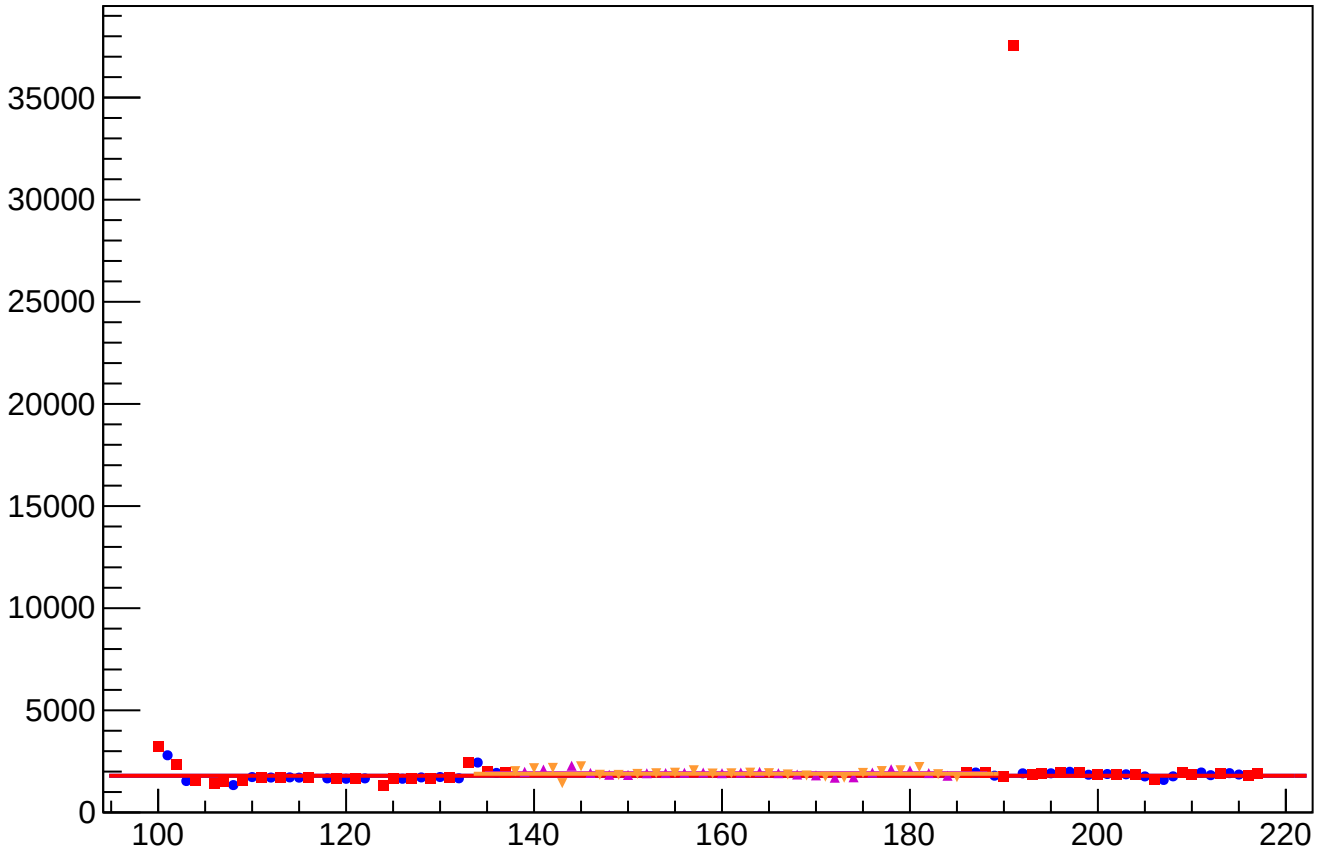
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2363.881+/-287.961 χ^2/NDF: 47.6/66

In: 2909.459+/-303.894 χ^2/NDF:28.6/53

Out: 1359.907+/-294.897 χ^2/NDF:77.3/60

All: 2111.407+/-211.633 χ^2/NDF: 119.3/114



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: 1797.116+/-0.285 χ^2/NDF: 591064.2/35

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

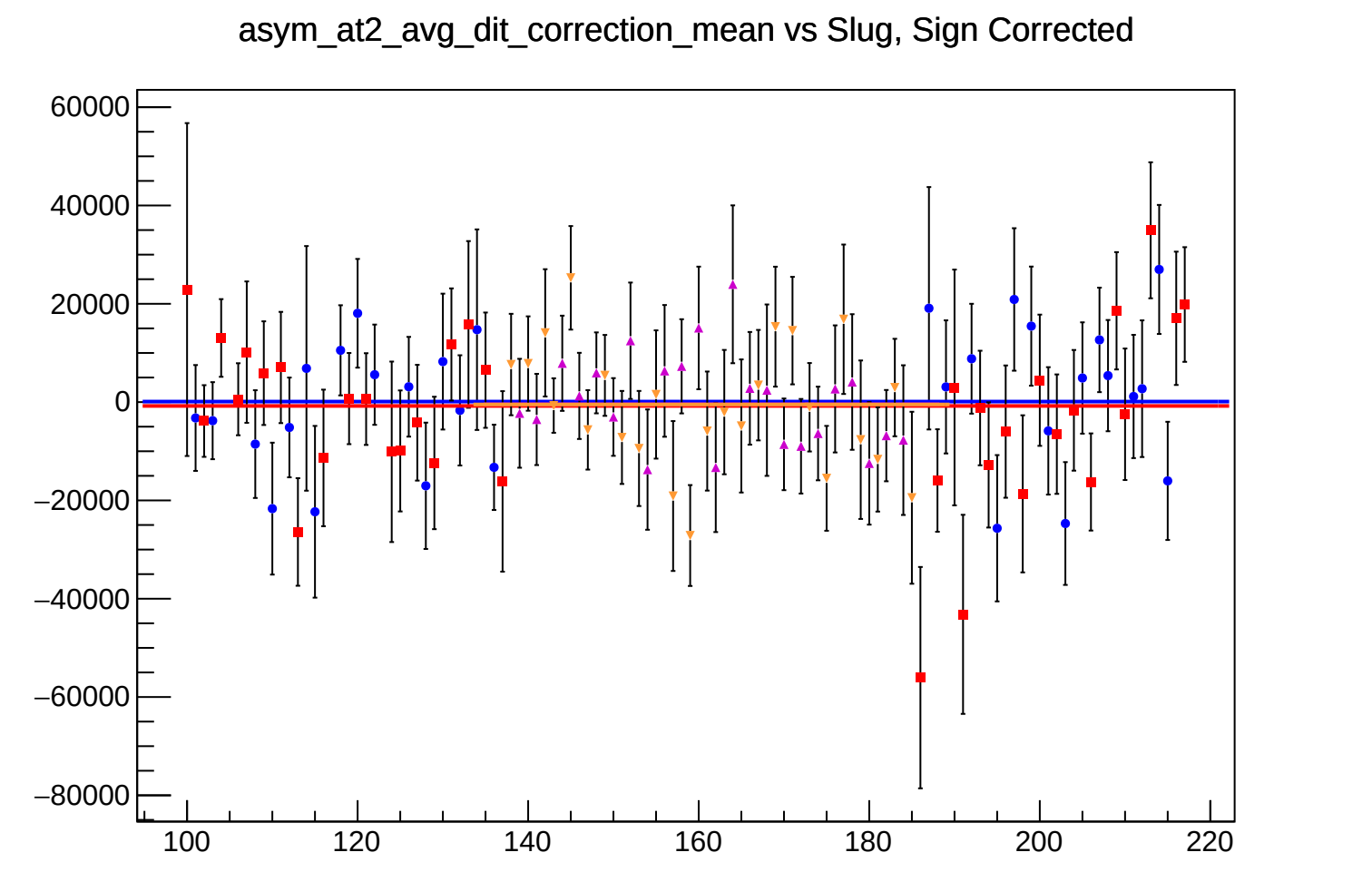
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1796.256+/-0.204 χ^2/NDF: 1070710.2/66

In: 1853.500+/-0.215 χ^2/NDF:718165.7/53

Out: 1842.390+/-0.209 χ^2/NDF:1014108.8/60

All: 1847.778+/-0.150 χ^2/NDF: 1733651.3/11



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: -783.901+/-1982.291 χ^2/NDF: 48.1/35

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

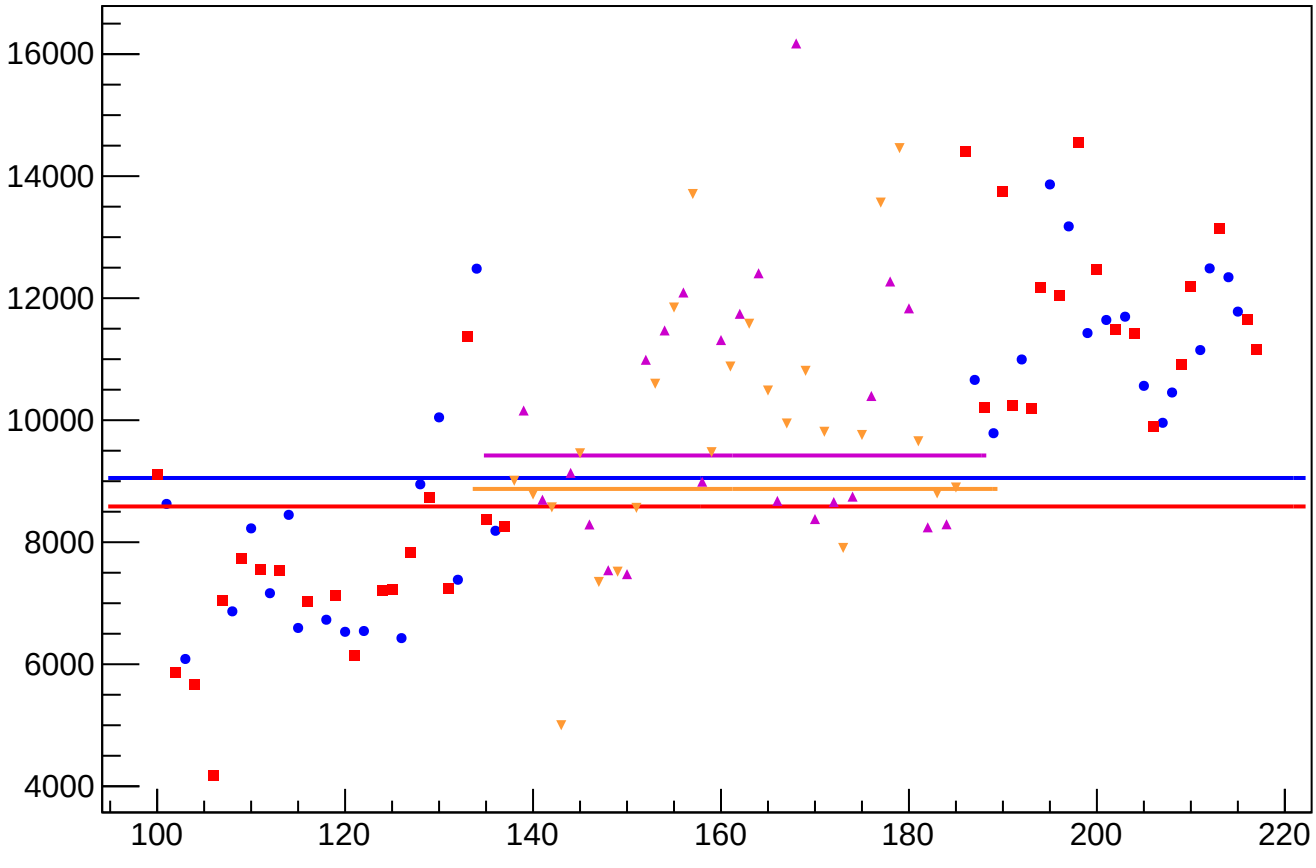
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -369.986+/-1451.771 χ^2/NDF: 83.0/66

In: -149.844+/-1546.060 χ^2/NDF:48.4/53

Out: -639.614+/-1438.013 χ^2/NDF:76.9/60

All: -412.439+/-1052.956 χ^2/NDF: 125.4/114



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: 8586.085+/-1.402 χ^2/NDF: 3646271.4/35

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

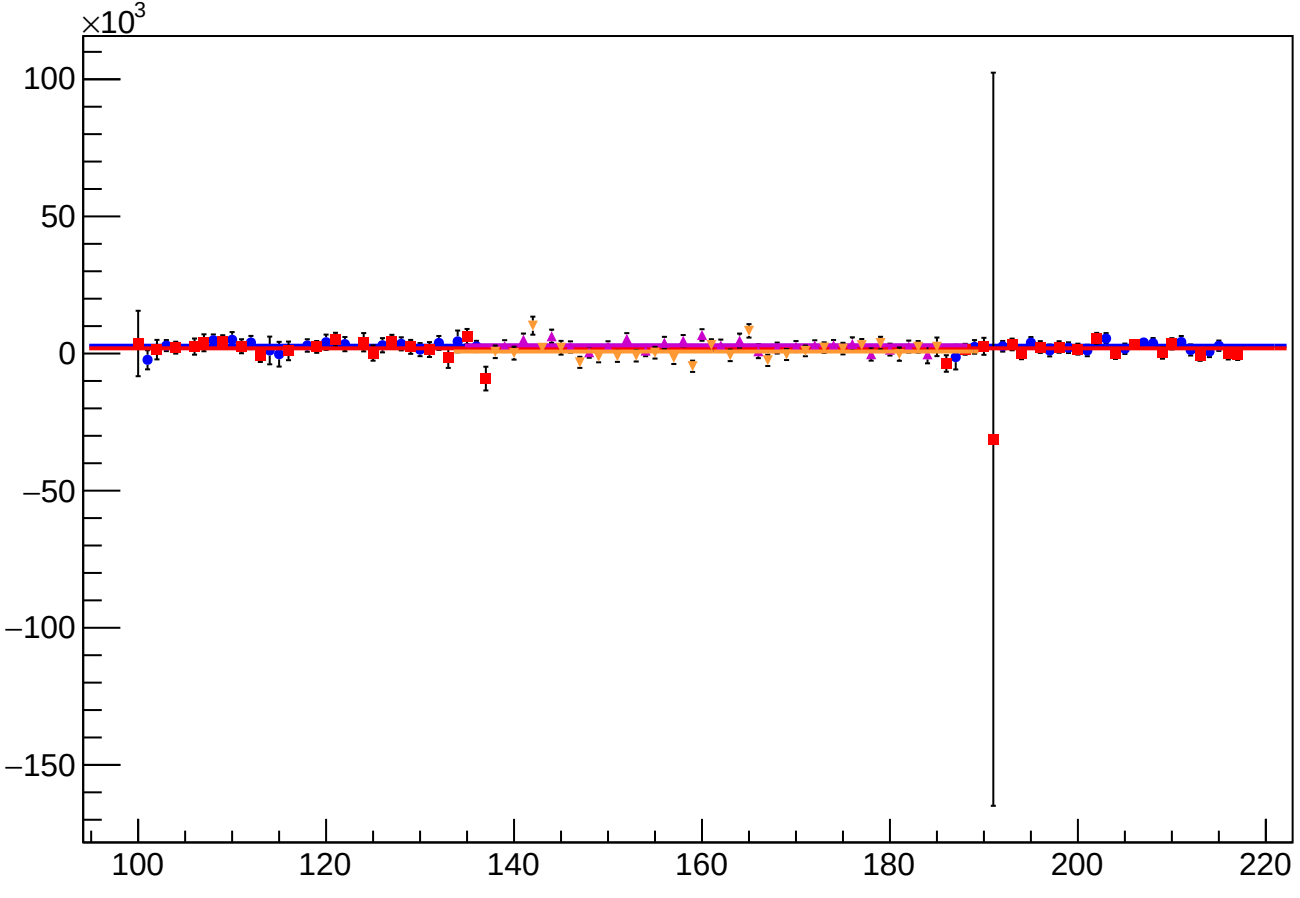
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8802.505+/-1.027 χ^2/NDF: 5982067.5/66

In: 9227.772+/-1.093 χ^2/NDF:3517606.1/53

Out: 8722.292+/-1.017 χ^2/NDF:5869452.7/60

All: 8956.754+/-0.745 χ^2/NDF: 9501683.8/11



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: 1897.596+/-402.835 χ^2/NDF: 31.9/35

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

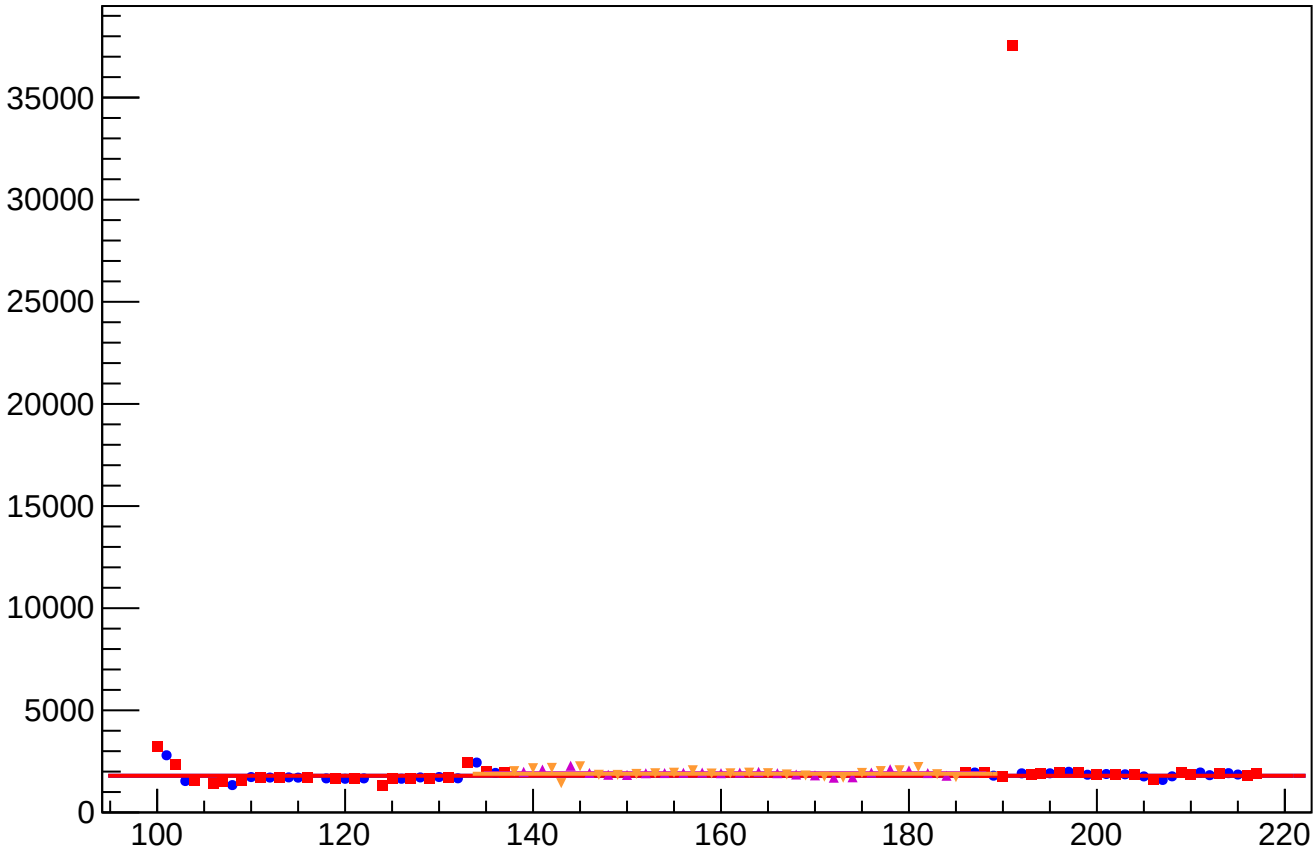
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2363.880+/-287.961 χ^2/NDF: 47.6/66

In: 2909.457+/-303.894 χ^2/NDF:28.6/53

Out: 1359.904+/-294.897 χ^2/NDF:77.3/60

All: 2111.404+/-211.633 χ^2/NDF: 119.3/114



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: 1797.116+/-0.285 χ^2/NDF: 591065.6/35

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

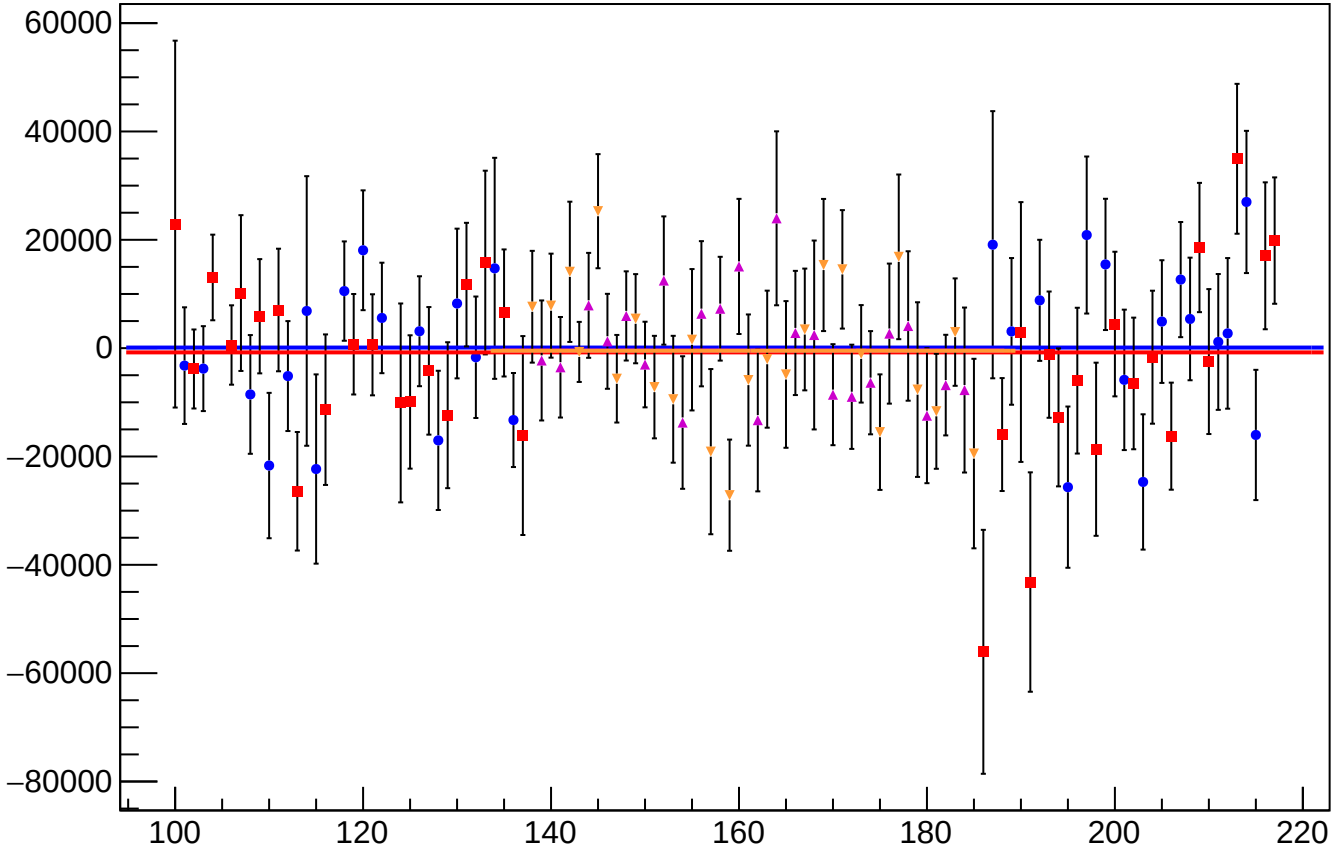
Right: 1796.256+/-0.204 χ^2/NDF: 1070712.2/66

In: 1853.502+/-0.215 χ^2/NDF:718178.2/53

Out: 1842.392+/-0.209 χ^2/NDF:1014121.2/60

All: 1847.779+/-0.150 χ^2/NDF: 1733676.3/11

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -783.892+/-1982.289 χ^2/NDF: 48.1/35

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

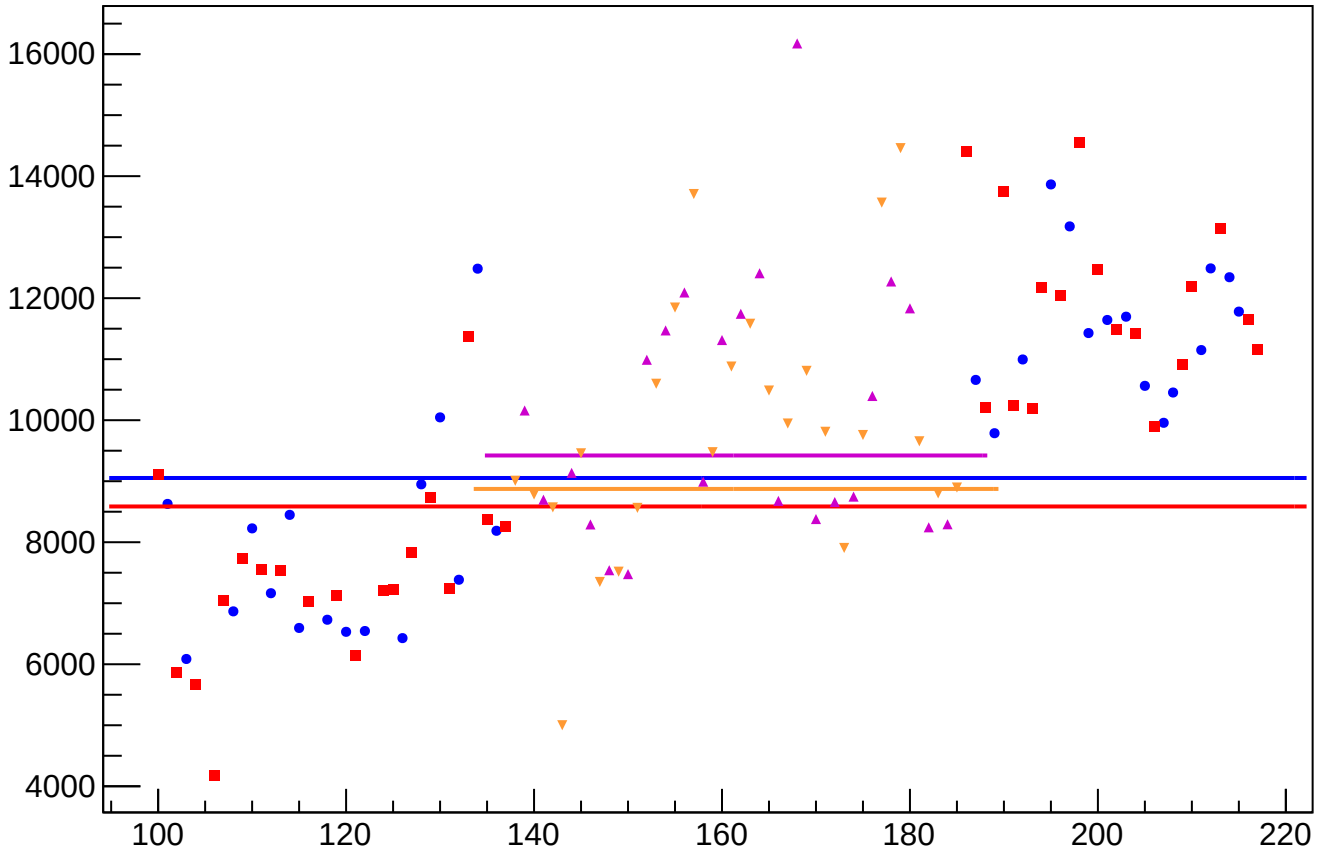
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -369.978+/-1451.771 χ^2/NDF: 83.0/66

In: -149.842+/-1546.061 χ^2/NDF:48.4/53

Out: -639.613+/-1438.013 χ^2/NDF:76.9/60

All: -412.438+/-1052.956 χ^2/NDF: 125.4/114



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: 8586.075+/-1.402 χ^2/NDF: 3646302.5/35

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

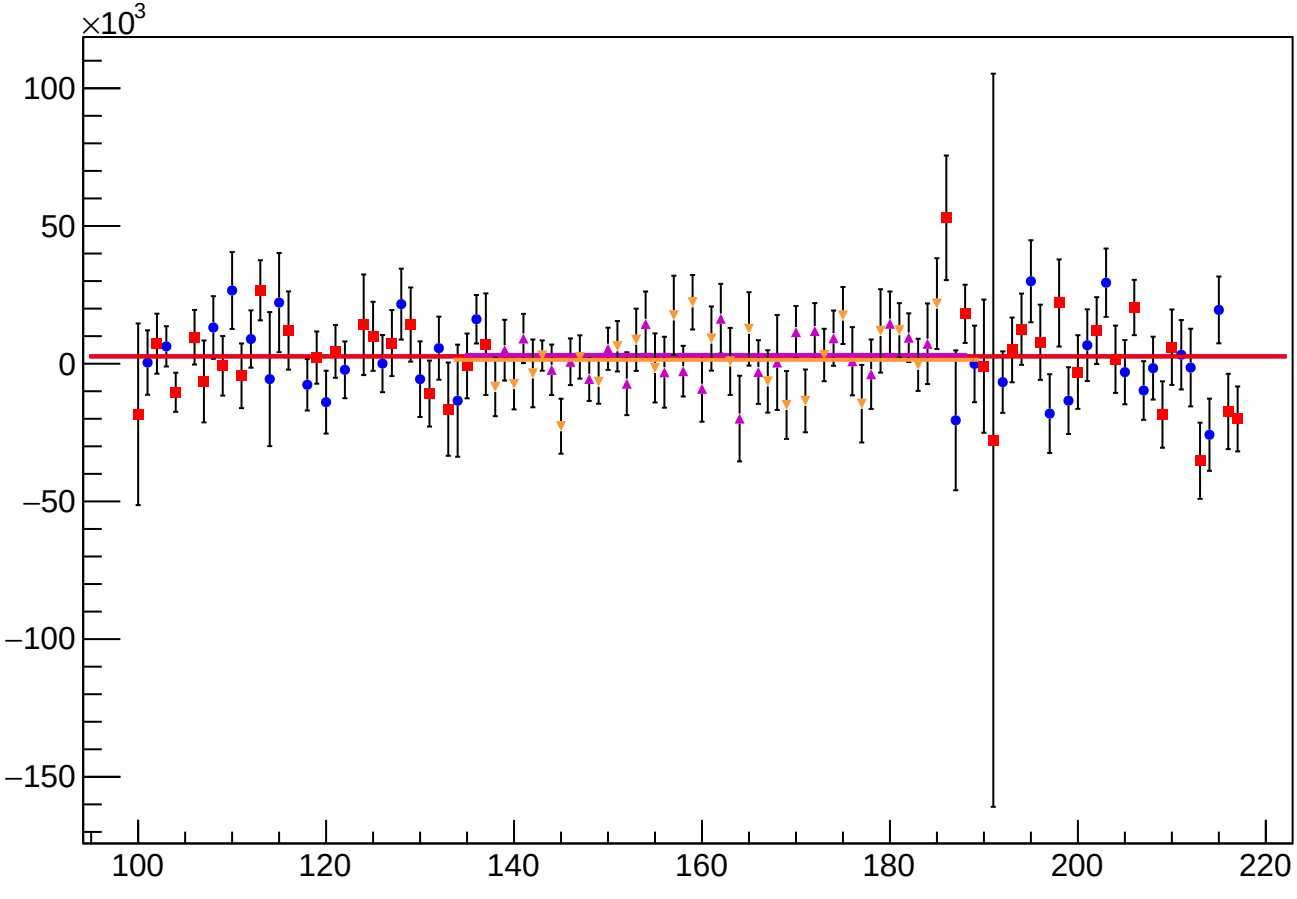
Right: 8802.496+/-1.027 χ^2/NDF: 5982133.6/66

In: 9227.773+/-1.093 χ^2/NDF:3517648.1/53

Out: 8722.293+/-1.017 χ^2/NDF:5869488.8/60

All: 8956.755+/-0.745 χ^2/NDF: 9501762.1/11

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: 2624.046+/-2076.646 χ^2/NDF: 44.7/35

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

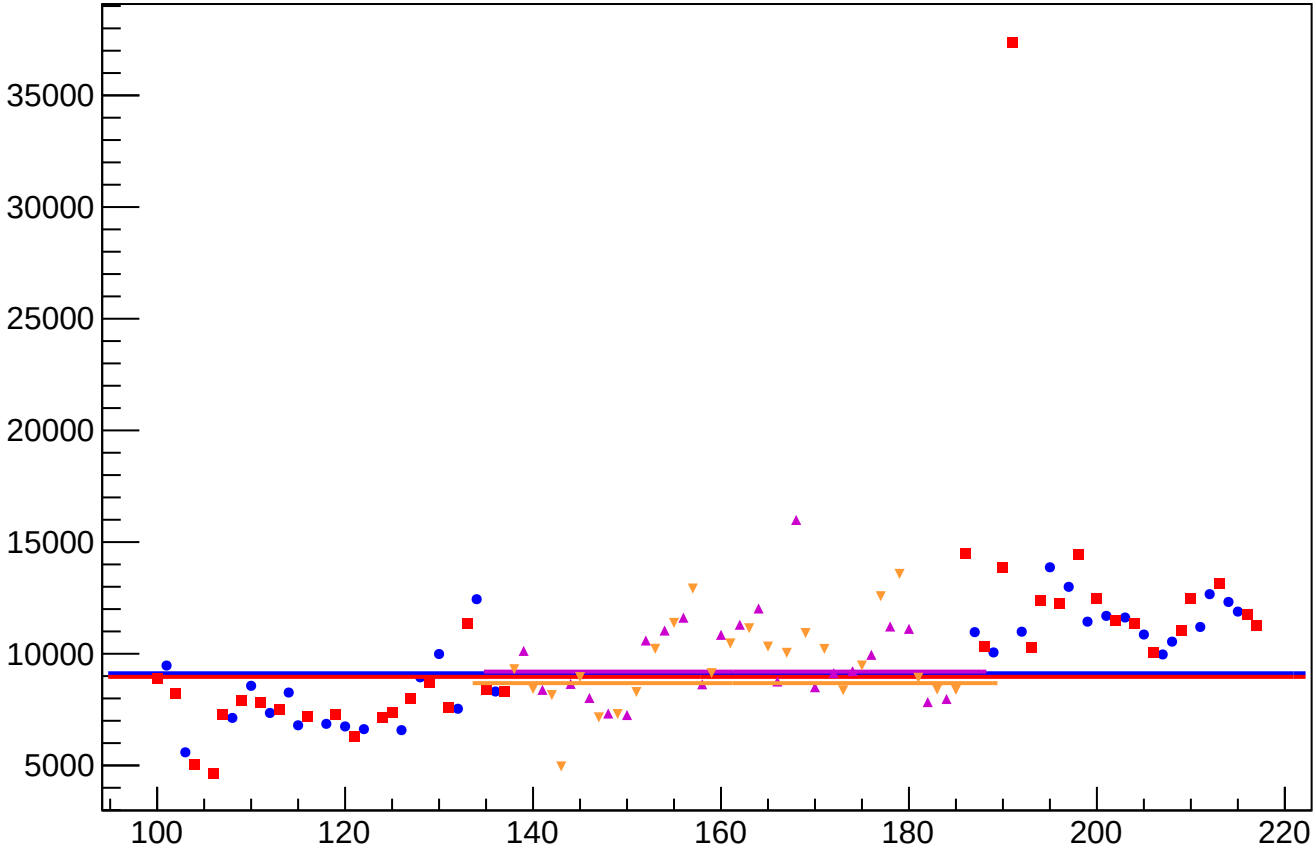
Right: 2651.229+/-1493.988 χ^2/NDF: 81.7/66

In: 2905.756+/-1534.387 χ^2/NDF:49.9/53

Out: 2005.332+/-1455.247 χ^2/NDF:72.4/60

All: 2431.725+/-1055.885 χ^2/NDF: 122.5/114

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: 8965.945+/-1.468 χ^2/NDF: 3188054.9/35

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

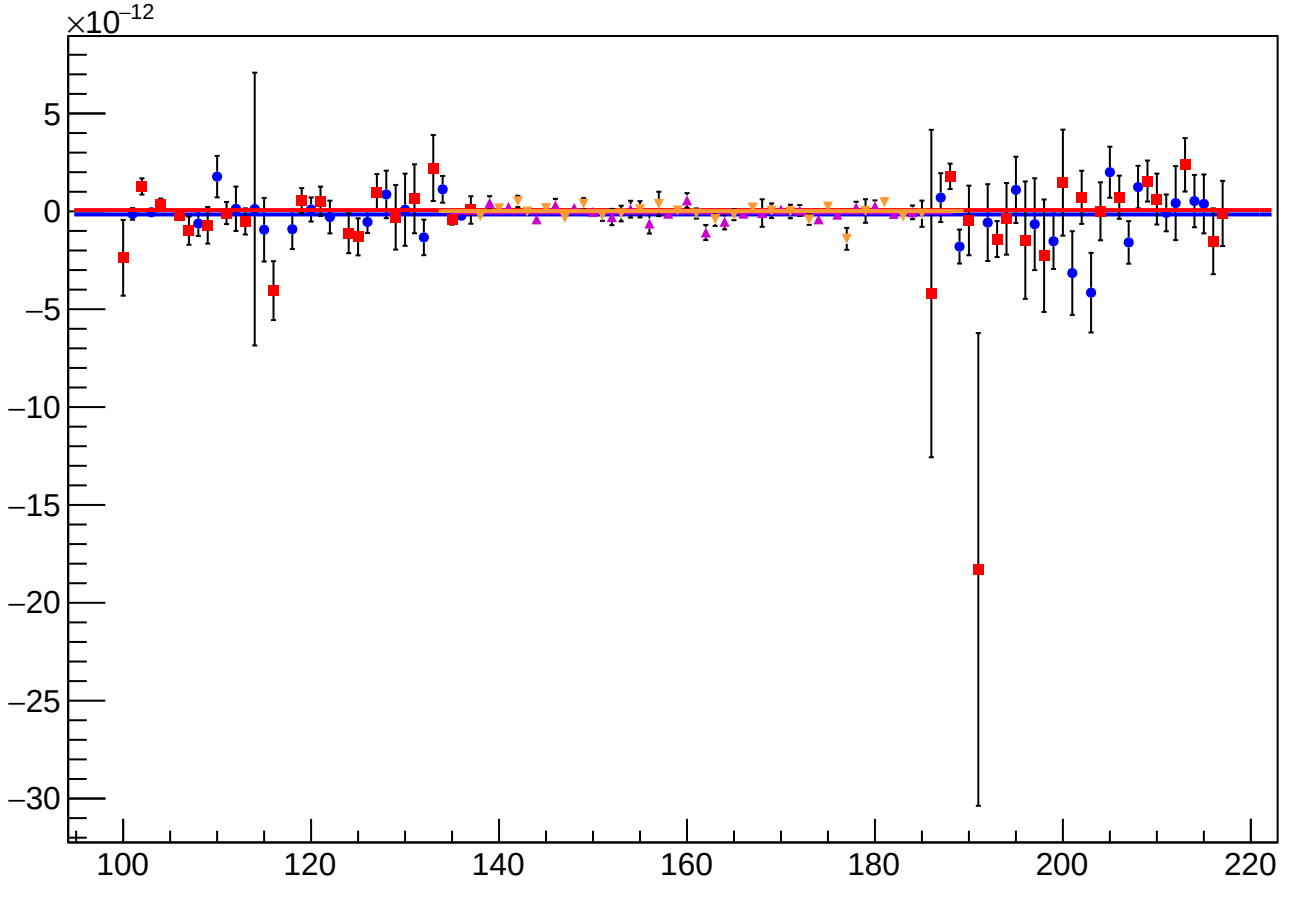
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 9043.282+/-1.056 χ^2/NDF: 5529837.0/66

In: 9162.866+/-1.085 χ^2/NDF:3466632.6/53

Out: 8822.743+/-1.029 χ^2/NDF:5258367.4/60

All: 8983.803+/-0.747 χ^2/NDF: 8776737.1/11



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: 53.2/35

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

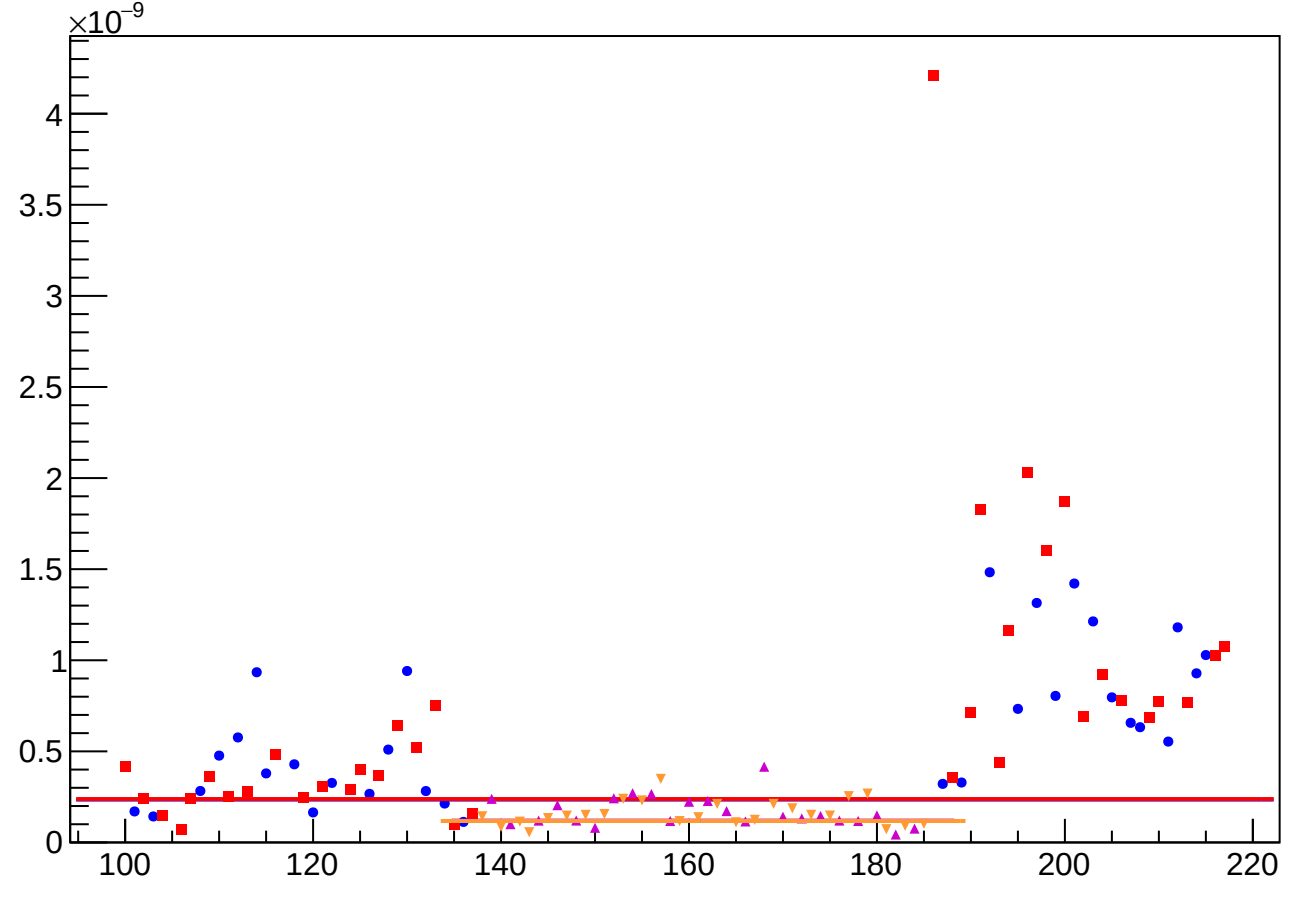
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 84.8/66

In: -0.000+/-0.000 χ^2/NDF:58.1/53

Out: 0.000+/-0.000 χ^2/NDF:82.2/60

All: -0.000+/-0.000 χ^2/NDF: 142.6/114



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: 8459584.0/35

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

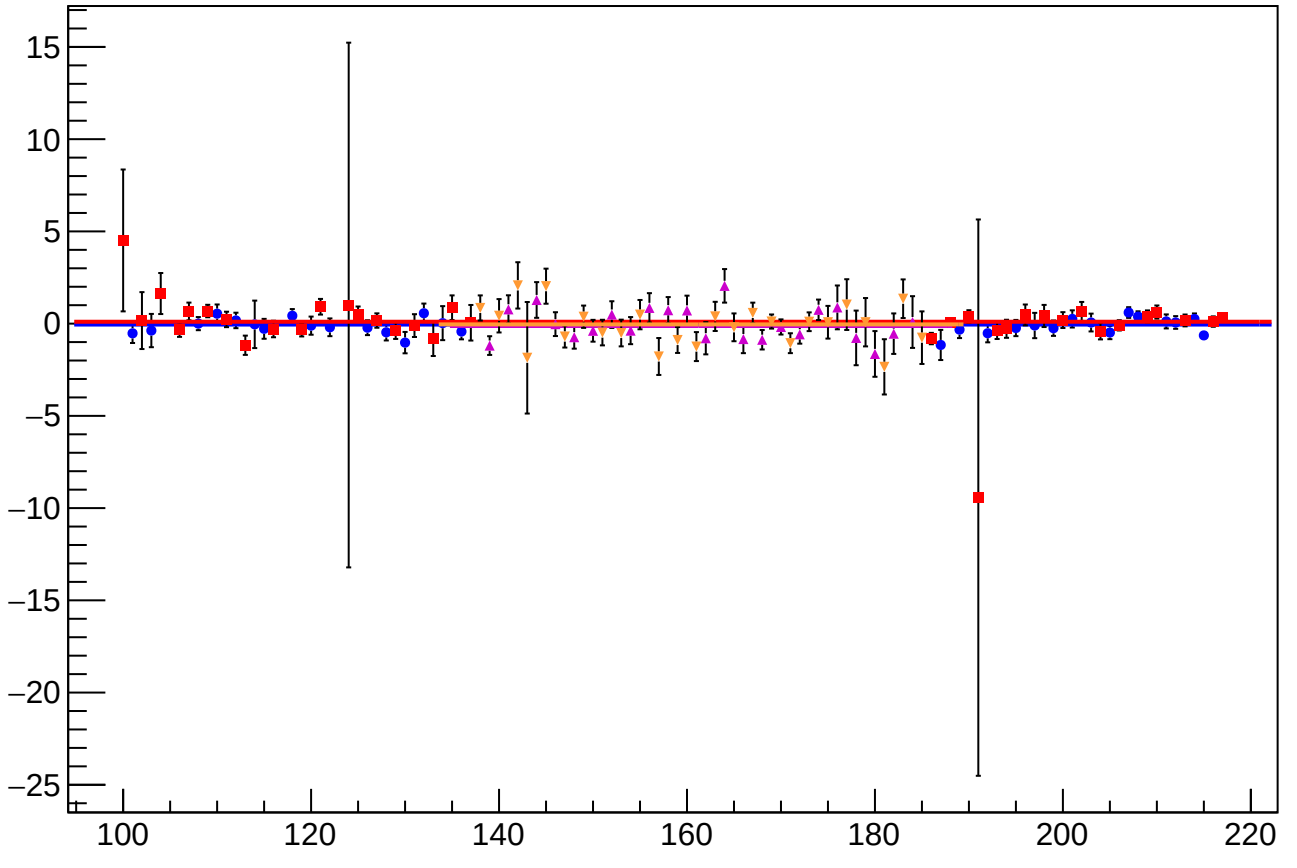
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 16052467.5/66

In: 0.000+/-0.000 χ^2/NDF:11979582.1/53

Out: 0.000+/-0.000 χ^2/NDF:12639316.0/60

All: 0.000+/-0.000 χ^2/NDF: 24626325.0/114



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: 0.103+/-0.068 χ^2/NDF: 44.2/35

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

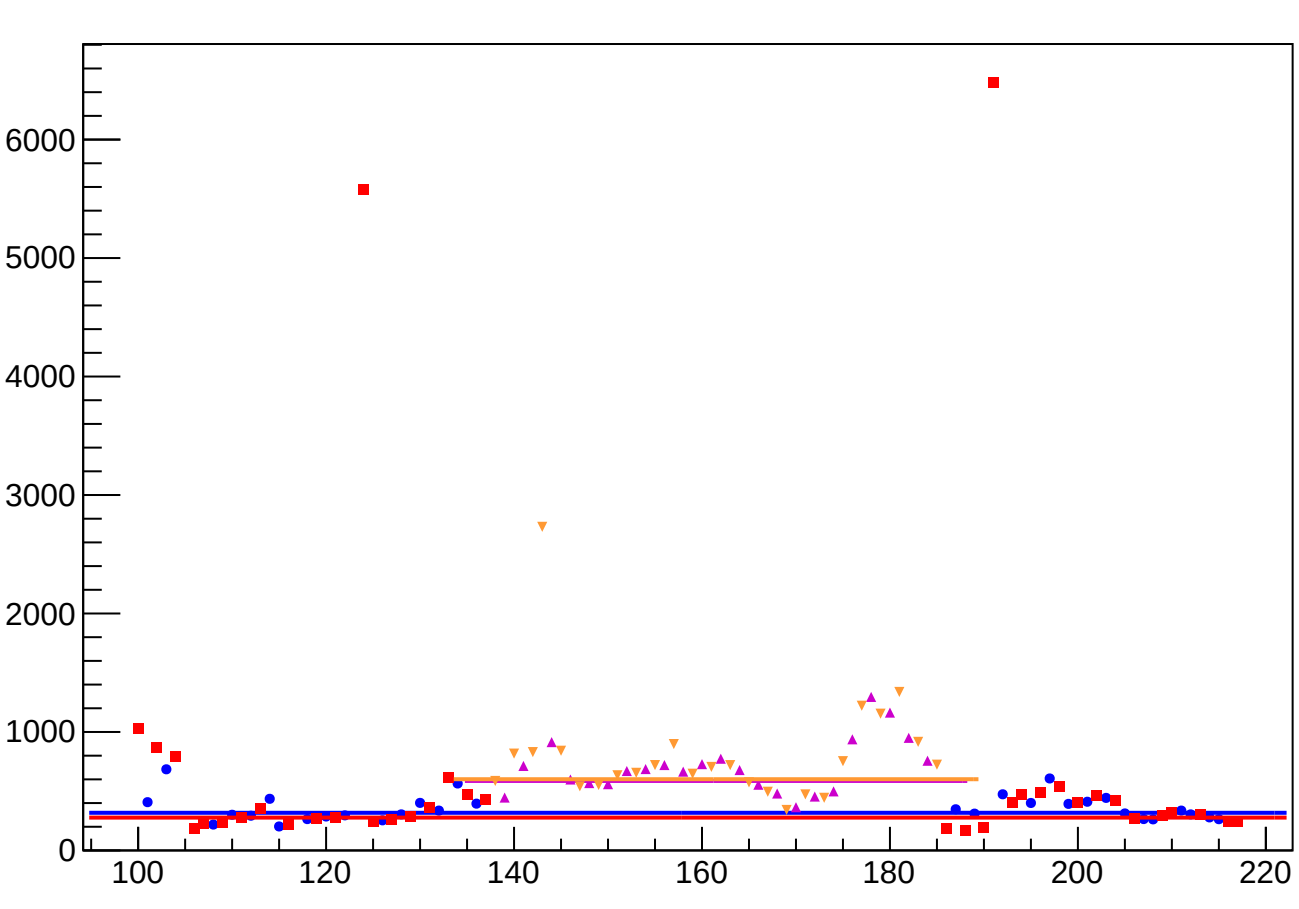
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.036+/-0.051 χ^2/NDF: 76.1/66

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.078+/-0.062 χ^2/NDF:75.1/60

All: 0.012+/-0.045 χ^2/NDF: 136.5/114



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: 277.367+/-0.048 χ^2/NDF: 5098153.0/35

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

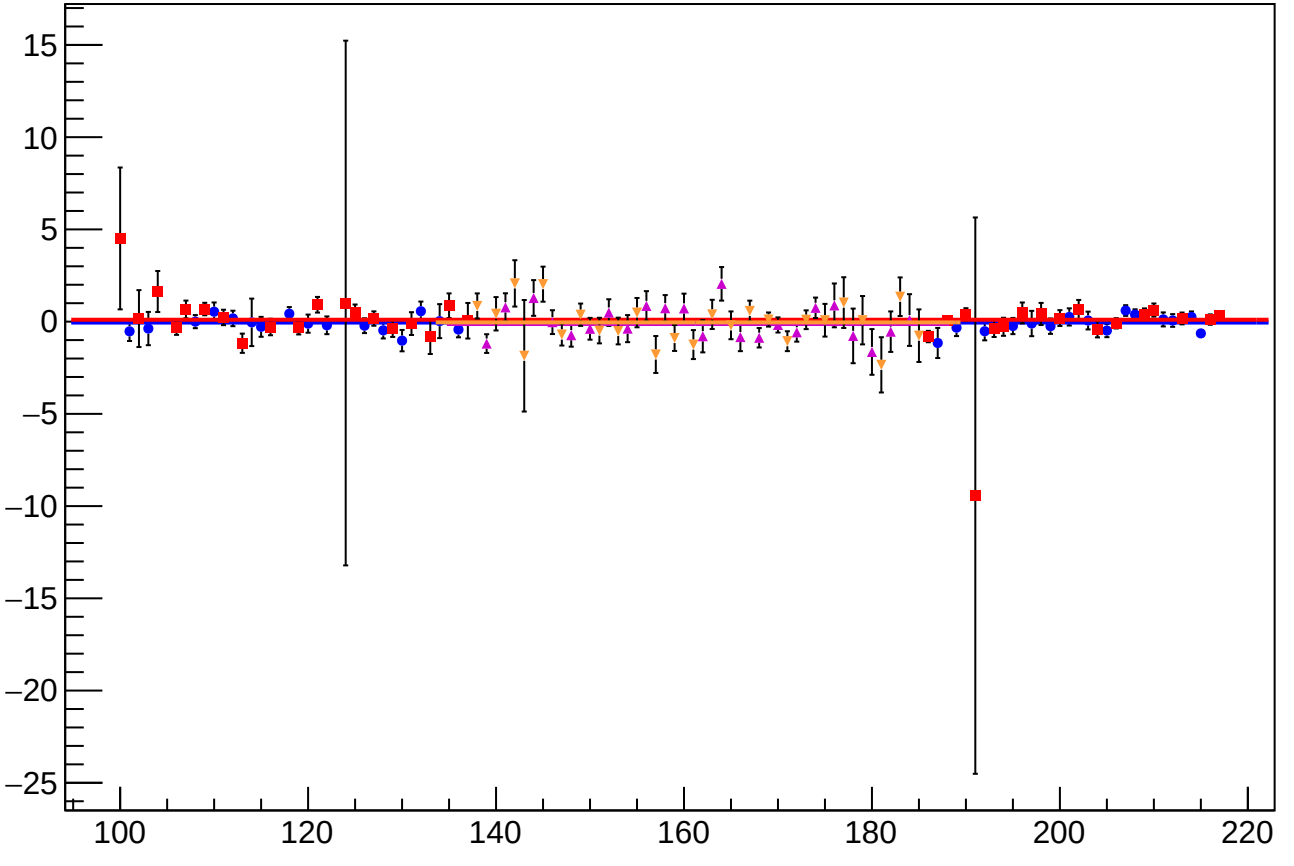
Right: 295.208+/-0.036 χ^2/NDF: 7614448.8/66

In: 376.105+/-0.048 χ^2/NDF:10510296.6/53

Out: 333.659+/-0.043 χ^2/NDF:17522075.1/60

All: 352.897+/-0.032 χ^2/NDF: 28464139.5/11

asym_at2_avg_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: 0.103+/-0.068 χ^2/NDF: 44.2/35

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

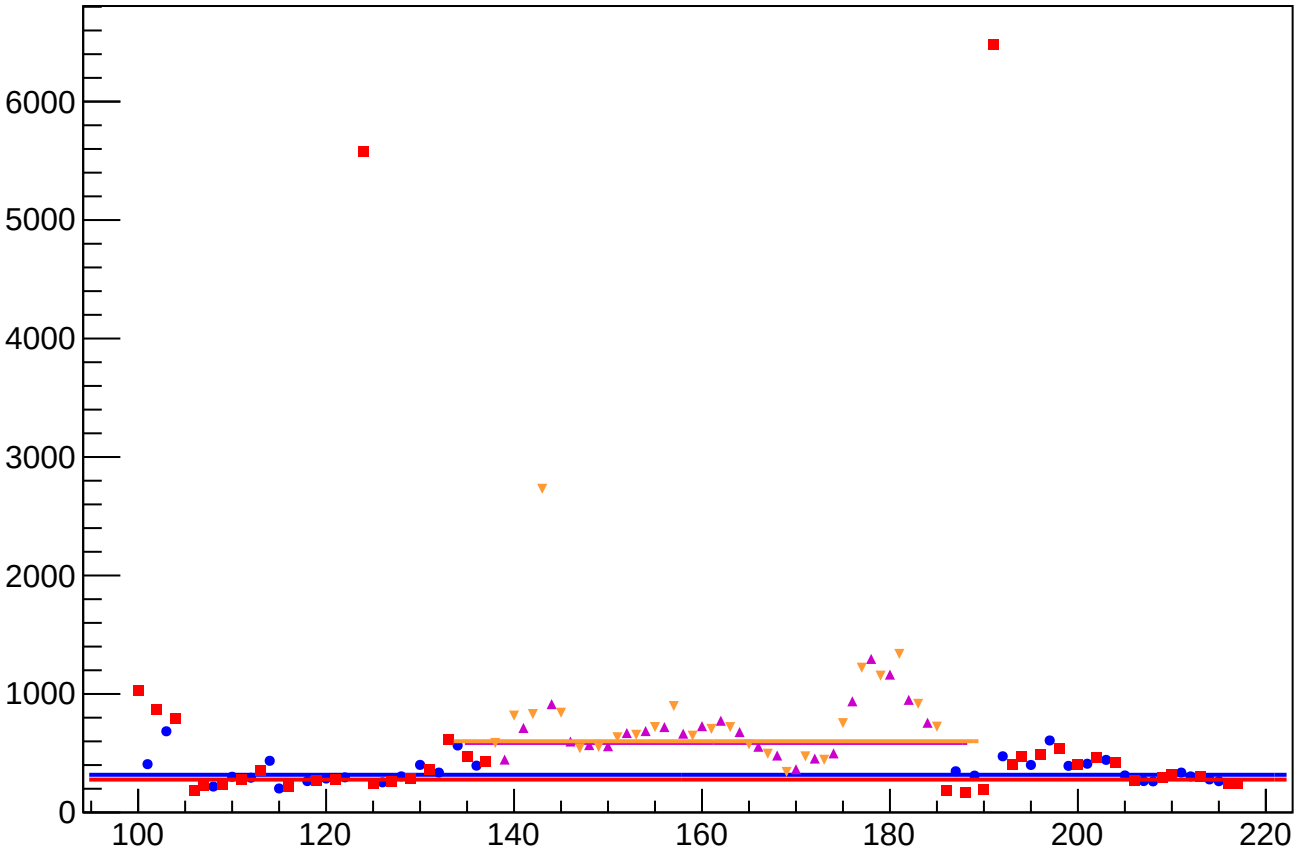
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.036+/-0.051 χ^2/NDF: 76.1/66

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.078+/-0.062 χ^2/NDF:75.1/60

All: 0.012+/-0.045 χ^2/NDF: 136.5/114



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: 277.367+/-0.048 χ^2/NDF: 5098153.0/35

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

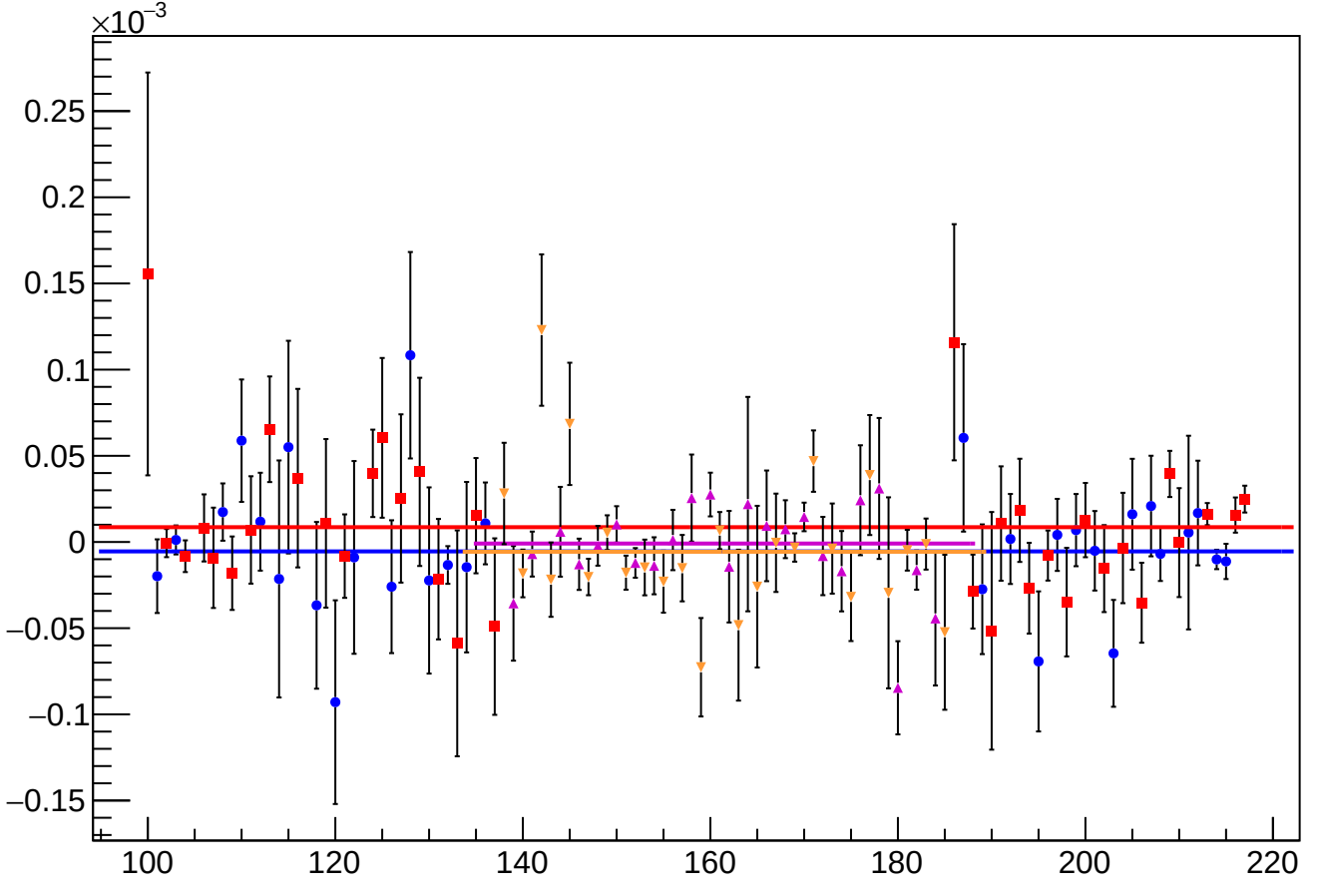
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 295.208+/-0.036 χ^2/NDF: 7614448.8/66

In: 376.105+/-0.048 χ^2/NDF:10510296.6/53

Out: 333.659+/-0.043 χ^2/NDF:17522075.1/60

All: 352.897+/-0.032 χ^2/NDF: 28464139.5/1



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: 46.4/35

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

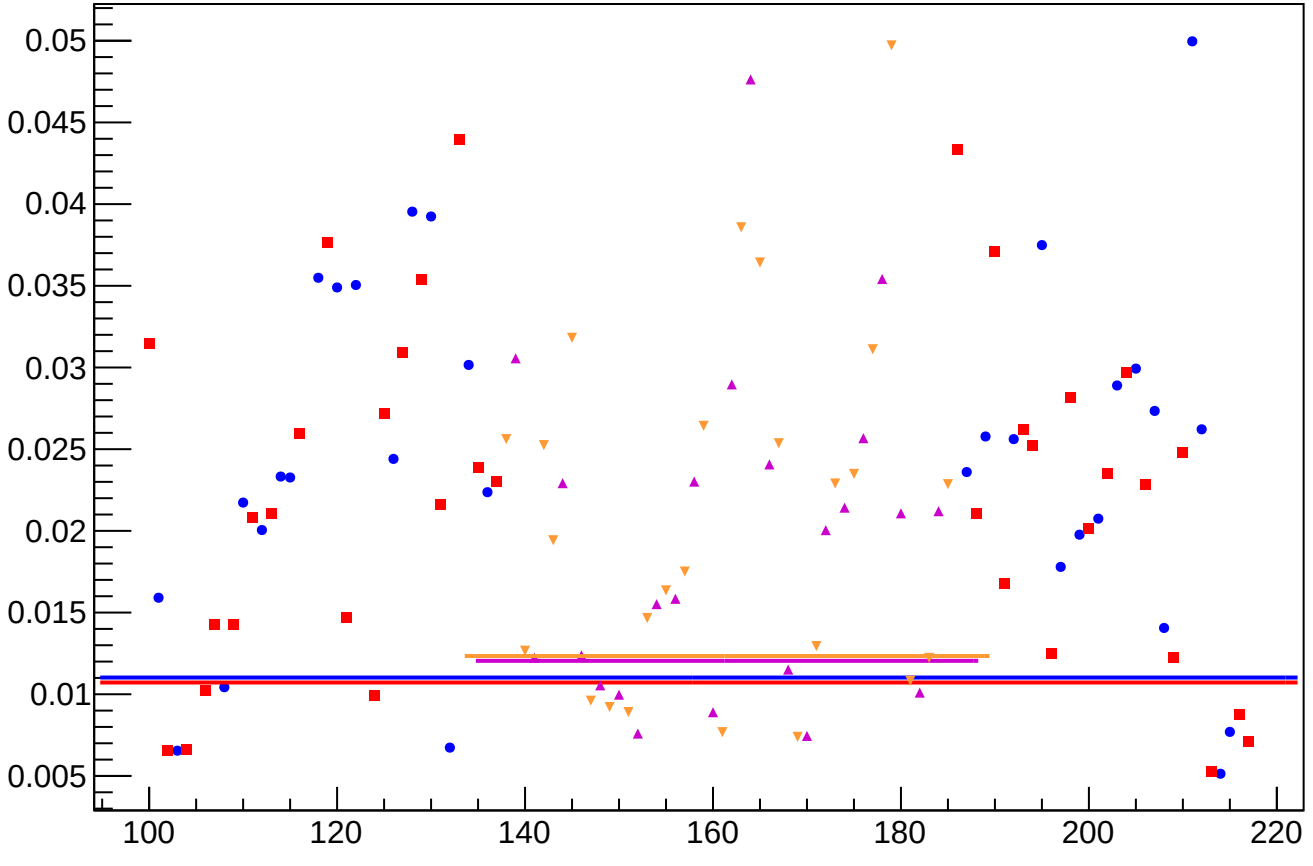
Right: 0.000+/-0.000 χ^2/NDF: 83.4/66

In: -0.000+/-0.000 χ^2/NDF:57.8/53

Out: 0.000+/-0.000 χ^2/NDF:99.7/60

All: -0.000+/-0.000 χ^2/NDF: 160.4/114

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: 12061298.5/35

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

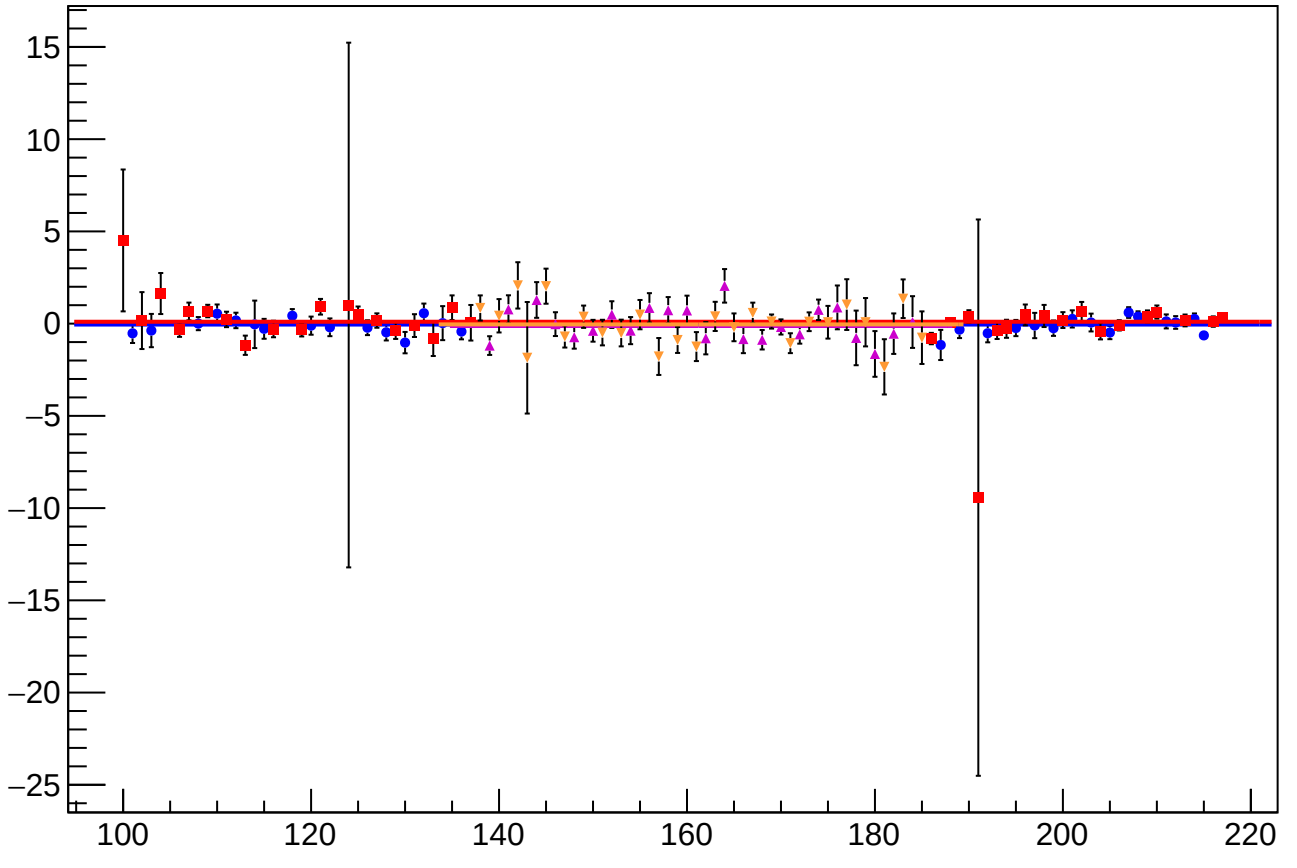
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.011+/-0.000 χ^2/NDF: 25501011.6/66

In: 0.012+/-0.000 χ^2/NDF:19907266.4/53

Out: 0.011+/-0.000 χ^2/NDF:20176623.6/60

All: 0.011+/-0.000 χ^2/NDF: 40085462.6/114



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: 0.103+/-0.068 χ^2/NDF: 44.2/35

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

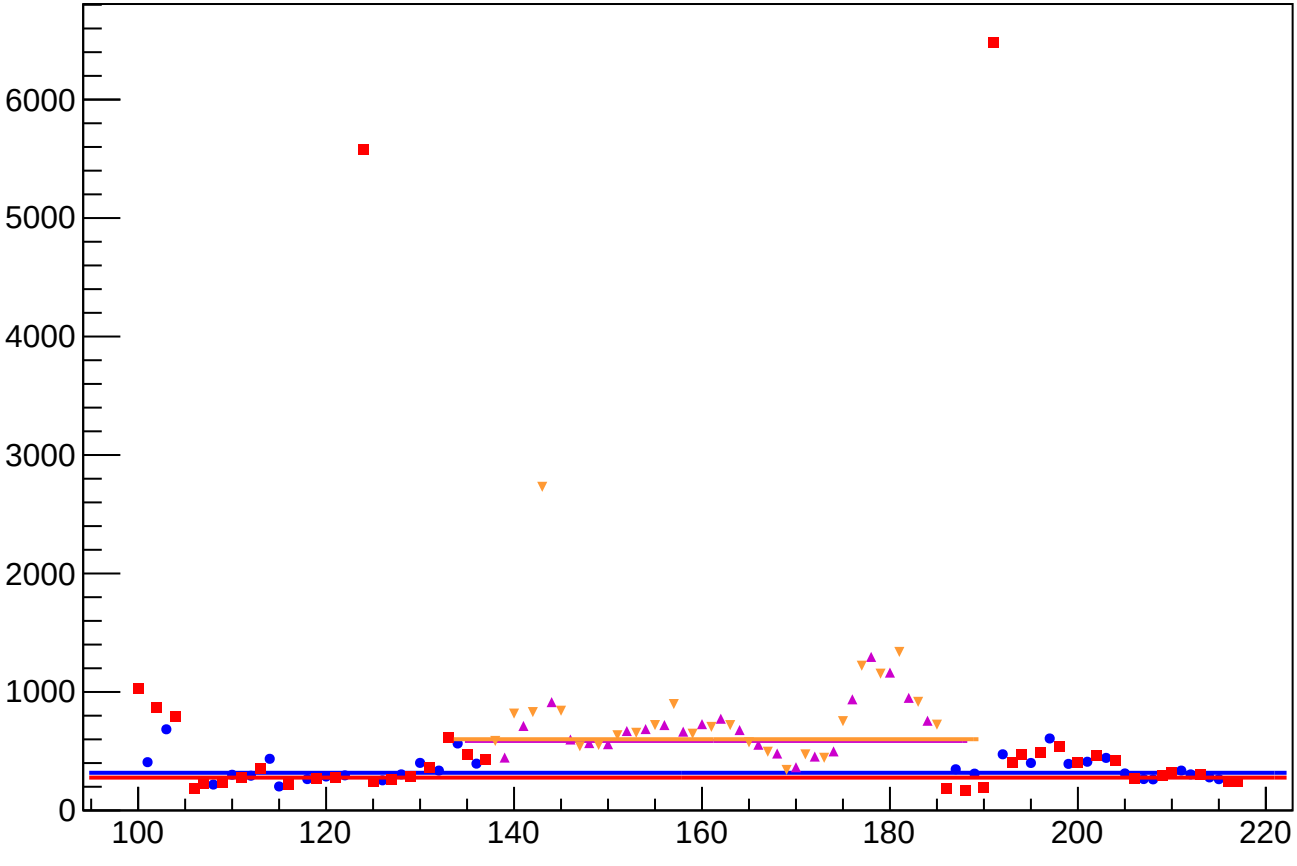
Right: 0.036+/-0.051 χ^2/NDF: 76.1/66

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.078+/-0.062 χ^2/NDF:75.1/60

All: 0.012+/-0.045 χ^2/NDF: 136.5/114

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: 277.362+/-0.048 χ^2/NDF: 5098446.9/35

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

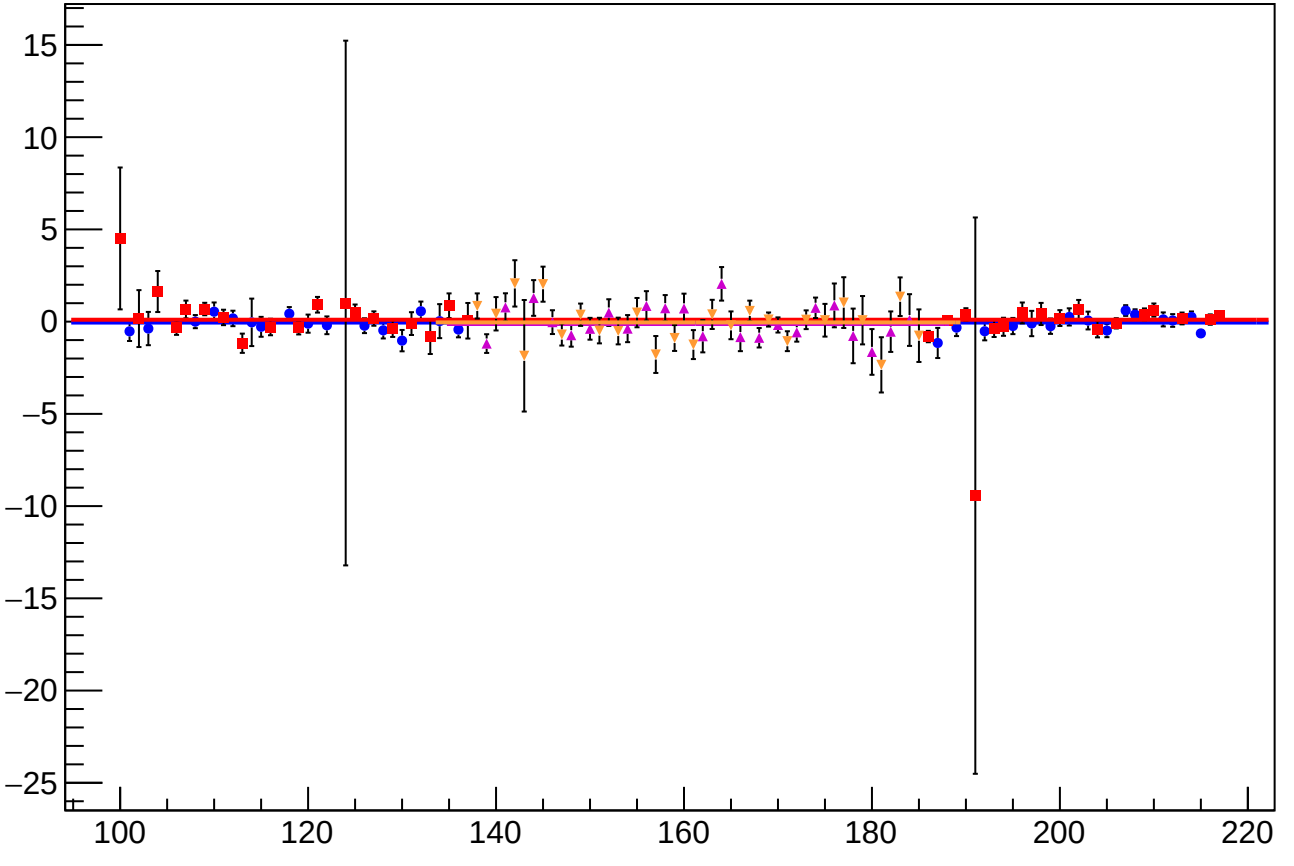
Right: 295.204+/-0.036 χ^2/NDF: 7614809.2/66

In: 376.104+/-0.048 χ^2/NDF:10510513.4/53

Out: 333.653+/-0.043 χ^2/NDF:17522826.6/60

All: 352.893+/-0.032 χ^2/NDF: 28465209.1/11

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: 0.103+/-0.068 χ^2/NDF: 44.2/35

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

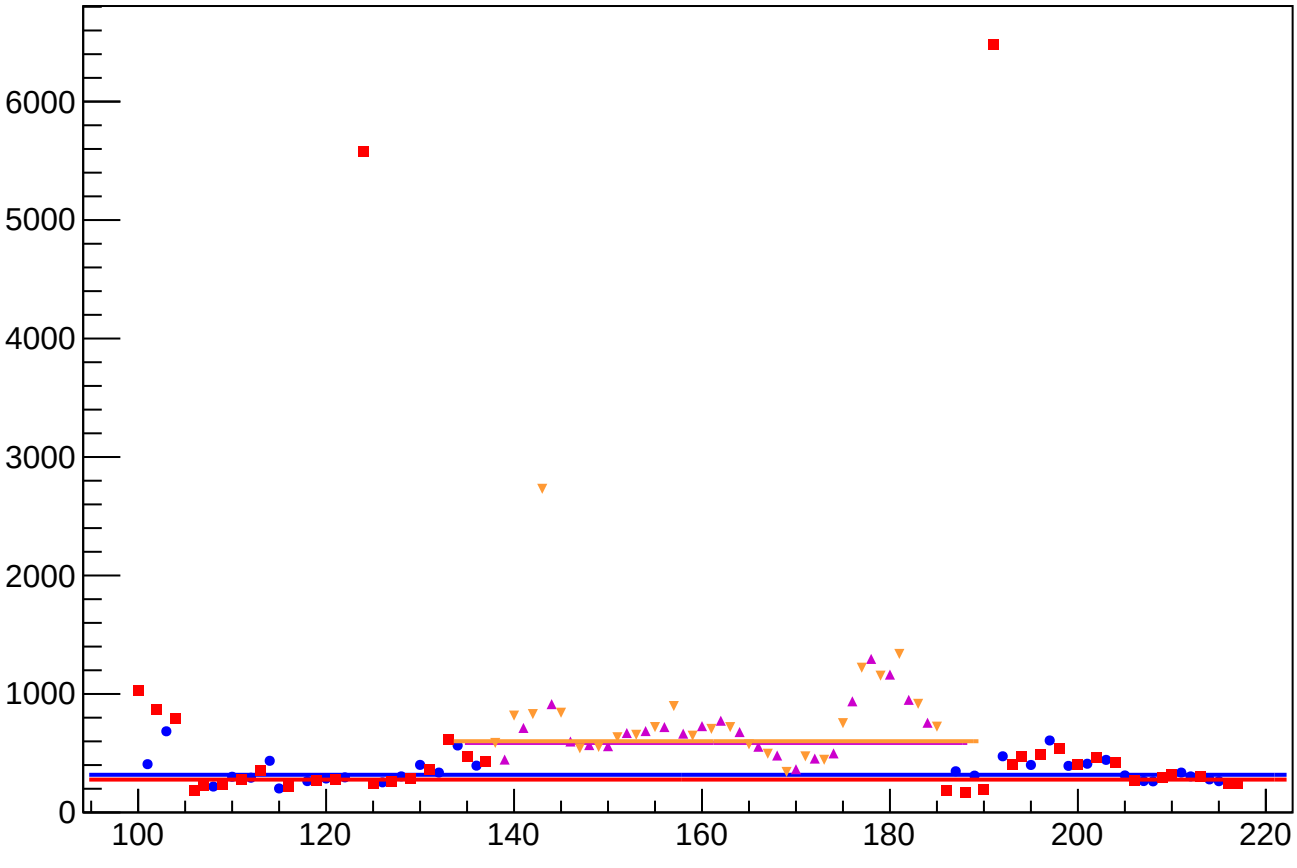
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.036+/-0.051 χ^2/NDF: 76.1/66

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.078+/-0.062 χ^2/NDF:75.1/60

All: 0.012+/-0.045 χ^2/NDF: 136.5/114



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: 277.362+/-0.048 χ^2/NDF: 5098446.9/35

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

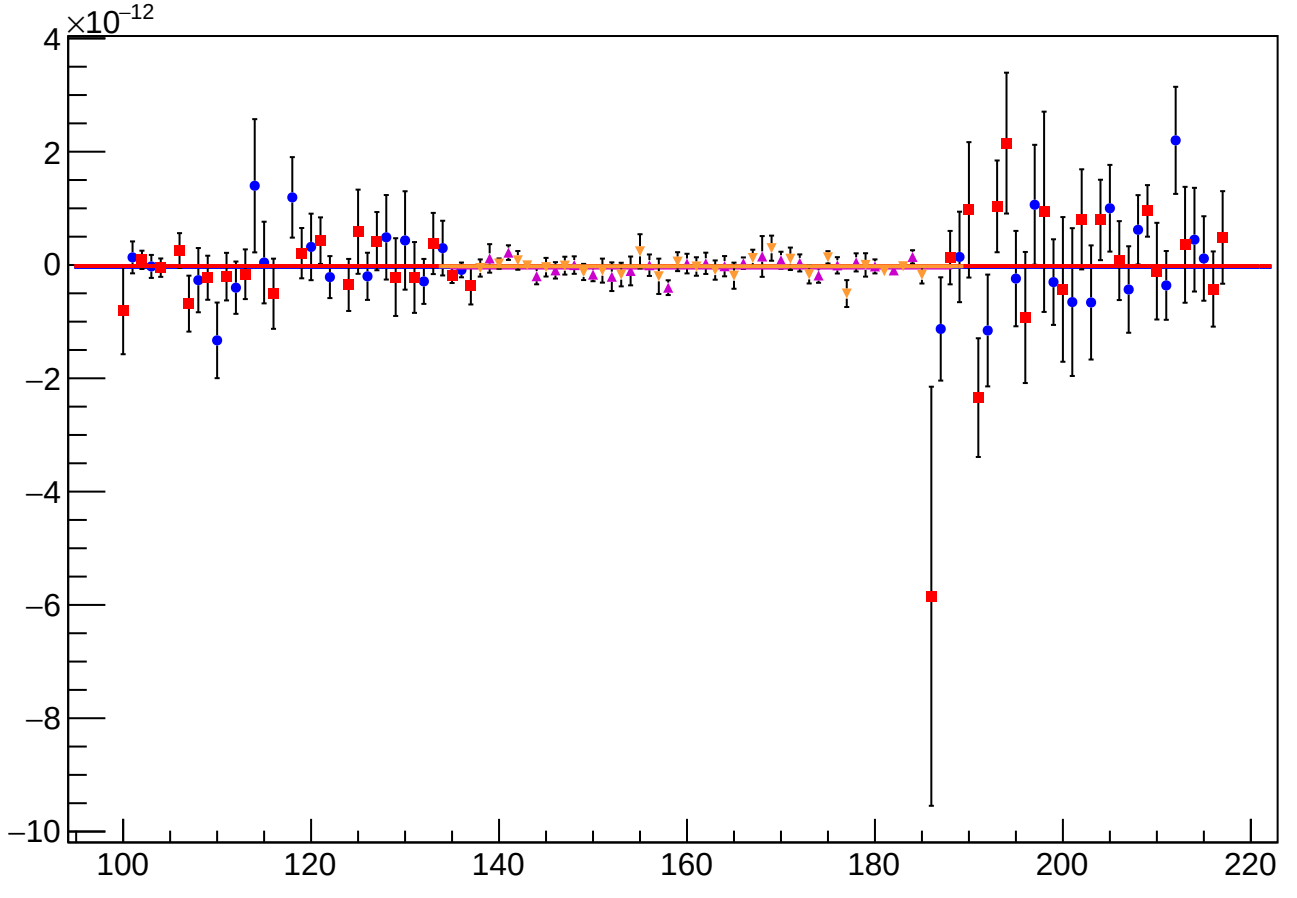
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 295.204+/-0.036 χ^2/NDF: 7614809.2/66

In: 376.104+/-0.048 χ^2/NDF:10510513.4/53

Out: 333.653+/-0.043 χ^2/NDF:17522826.6/60

All: 352.893+/-0.032 χ^2/NDF: 28465209.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.4/35

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

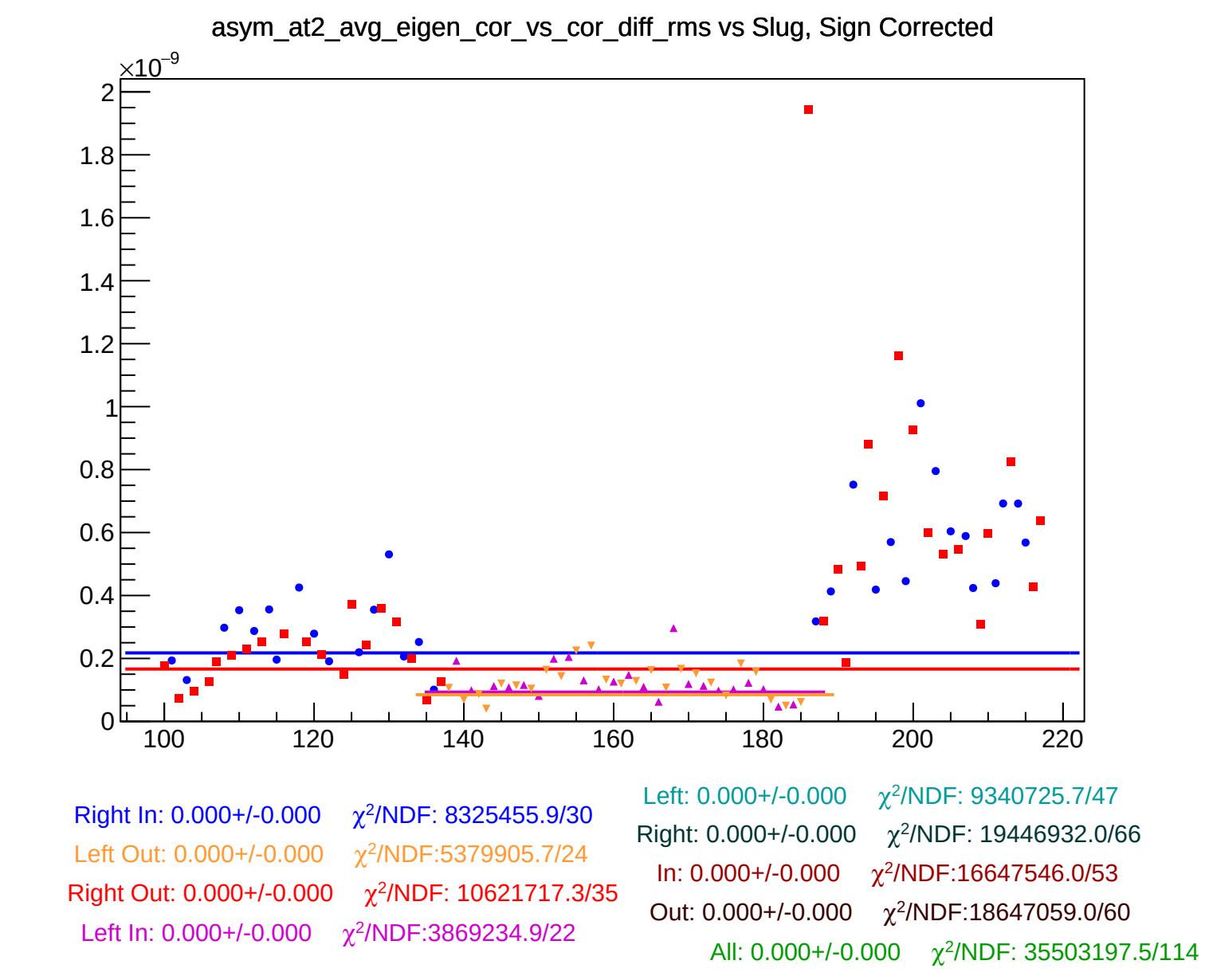
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

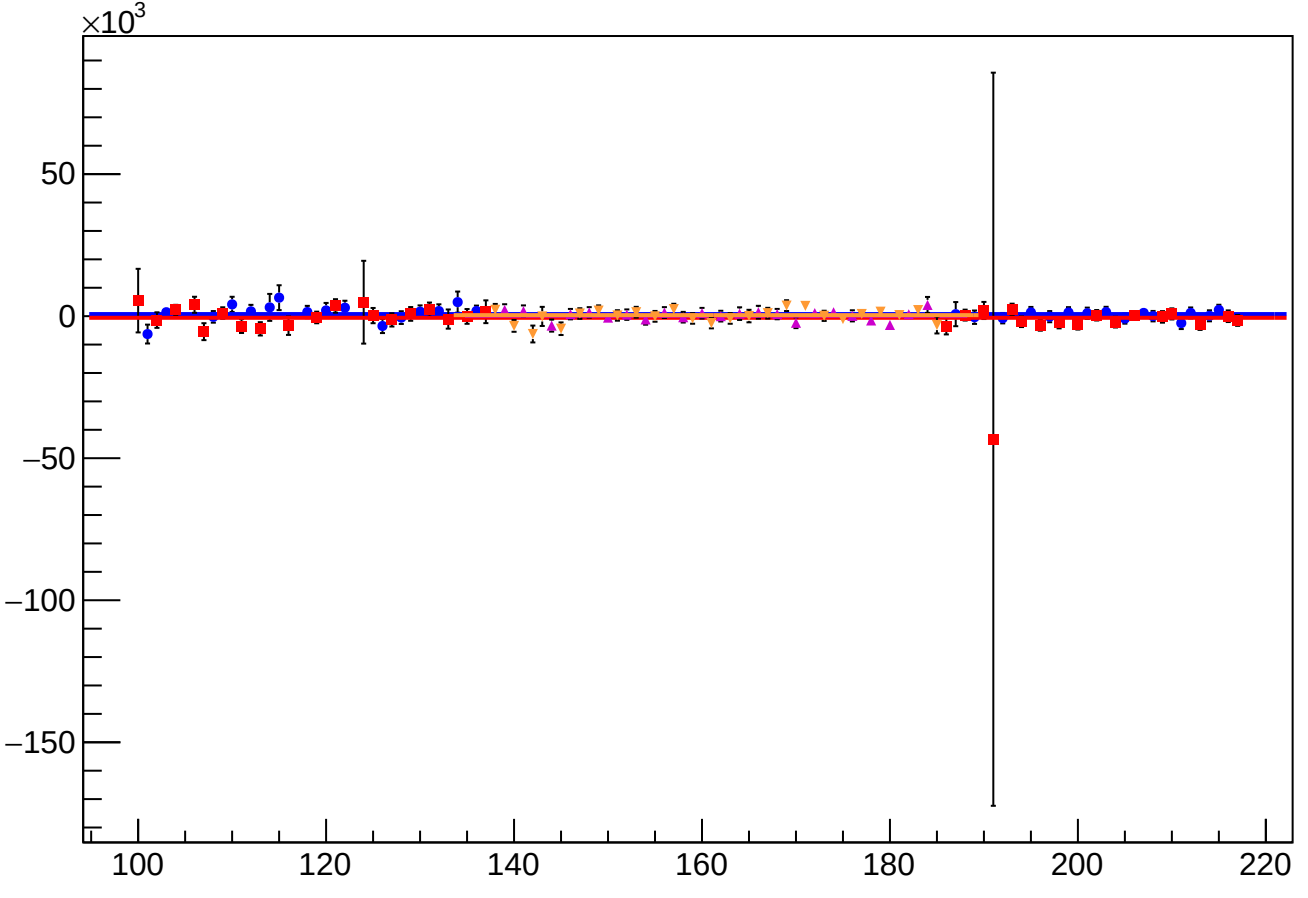
Right: -0.000+/-0.000 χ^2/NDF: 59.6/66

In: -0.000+/-0.000 χ^2/NDF:48.1/53

Out: -0.000+/-0.000 χ^2/NDF:49.8/60

All: -0.000+/-0.000 χ^2/NDF: 98.2/114


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: 10621717.3/35
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: 19446932.0/66
In: 0.000+/-0.000 χ²/NDF:16647546.0/53
Out: 0.000+/-0.000 χ²/NDF:18647059.0/60
All: 0.000+/-0.000 χ²/NDF: 35503197.5/114



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: -574.362+/-381.232 χ^2/NDF: 31.3/35

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

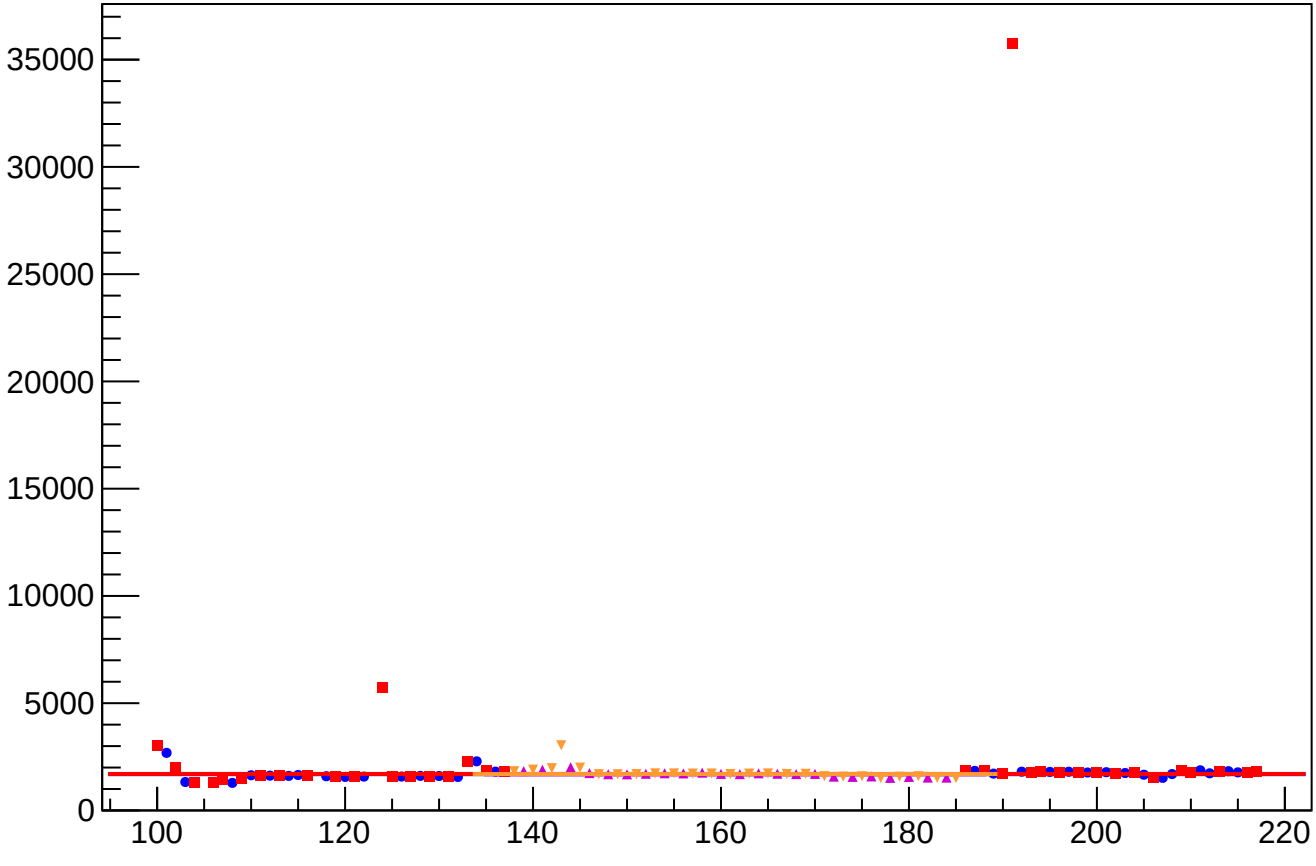
Right: 70.839+/-271.936 χ^2/NDF: 57.6/66

In: 452.753+/-276.546 χ^2/NDF:37.6/53

Out: -114.751+/-271.978 χ^2/NDF:63.9/60

All: 164.276+/-193.912 χ^2/NDF: 103.6/114

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: 1702.153+/-0.270 χ^2/NDF: 732081.2/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

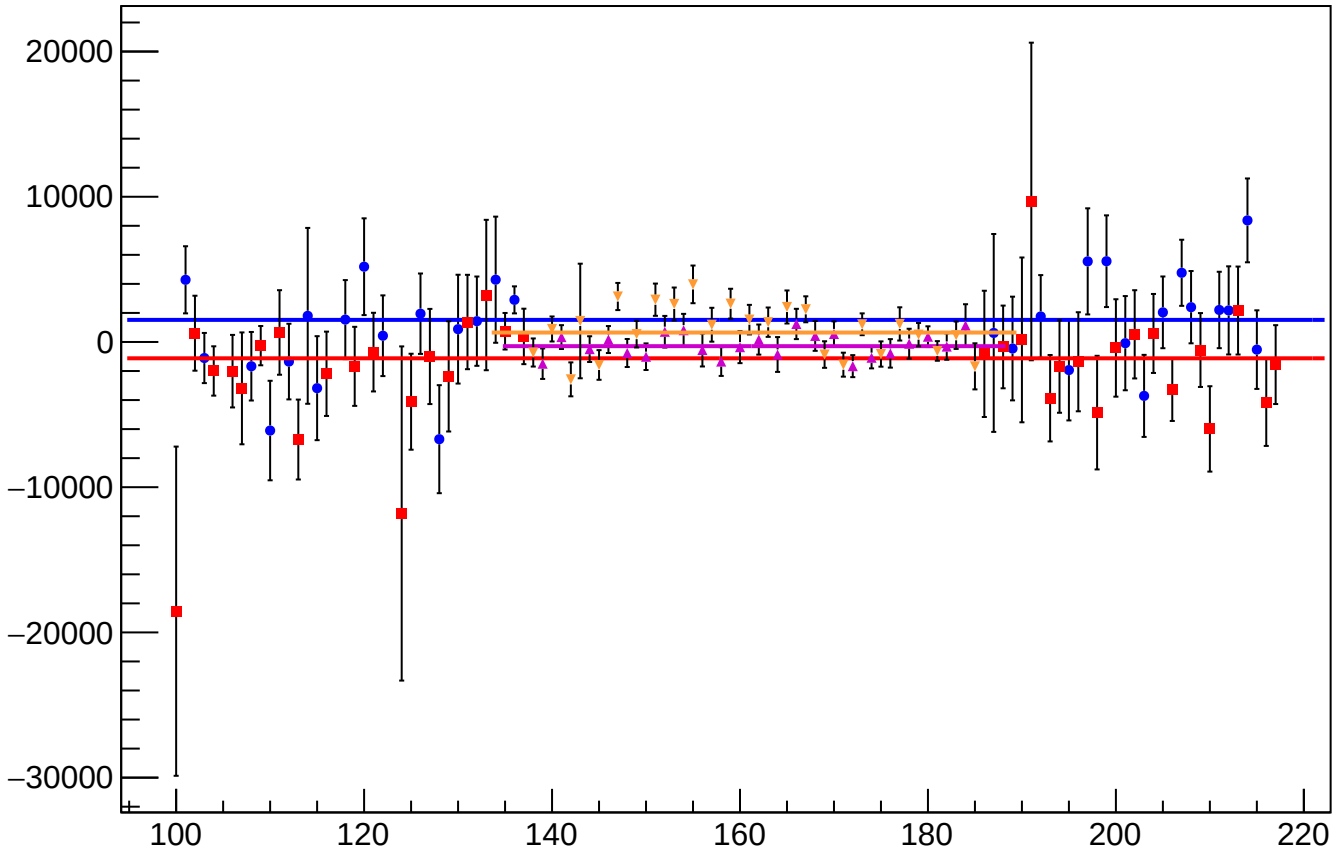
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1696.911+/-0.192 χ^2/NDF: 1256343.7/66

In: 1688.084+/-0.196 χ^2/NDF:689160.0/53

Out: 1699.866+/-0.192 χ^2/NDF:1227625.6/60

All: 1694.073+/-0.137 χ^2/NDF: 1918630.9/11



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: -1124.609+/-448.381 χ^2/NDF: 24.2/35

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

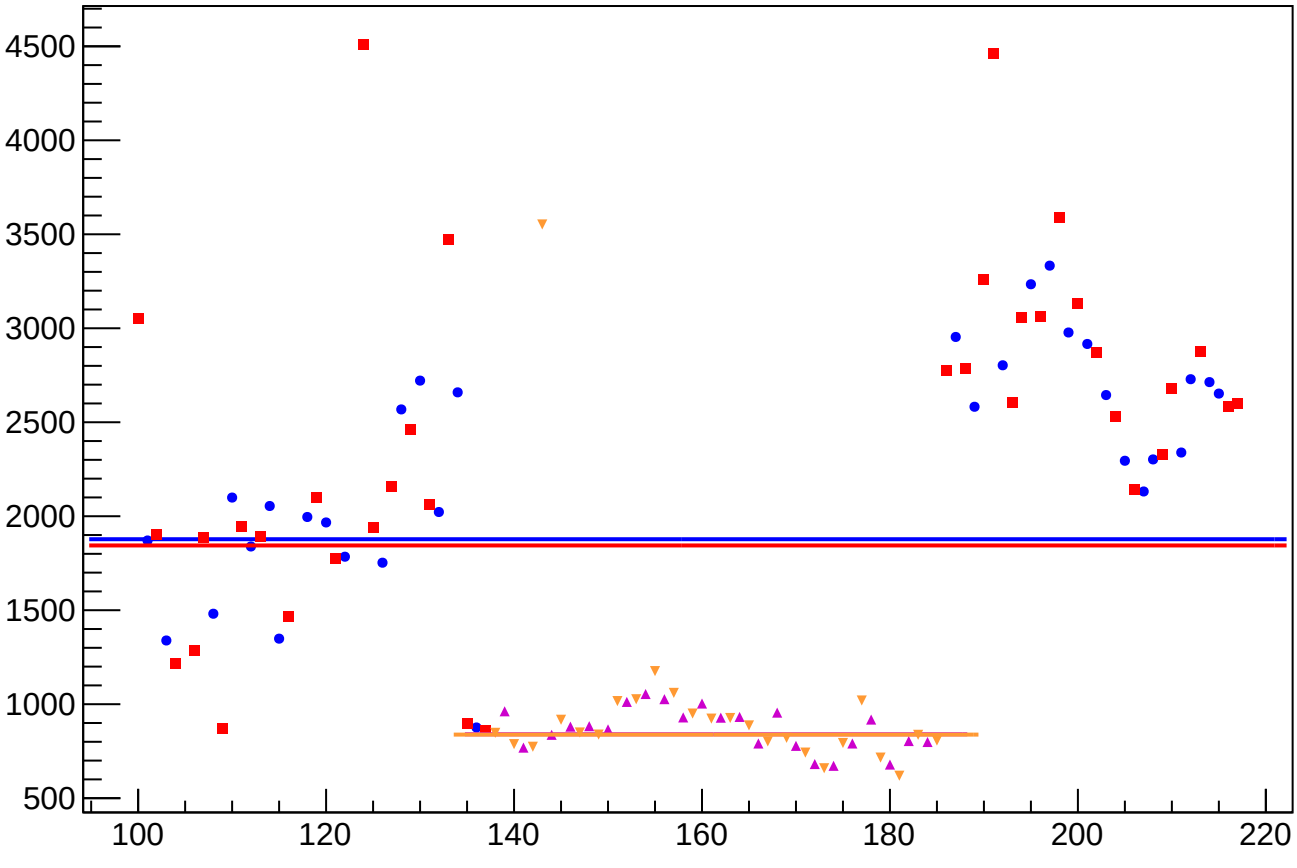
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 162.640+/-321.304 χ^2/NDF: 79.9/66

In: -5.186+/-182.291 χ^2/NDF:68.3/53

Out: 365.407+/-179.338 χ^2/NDF:102.9/60

All: 183.137+/-127.842 χ^2/NDF: 173.3/114



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: 1844.556+/-0.317 χ^2/NDF: 6595018.7/35

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

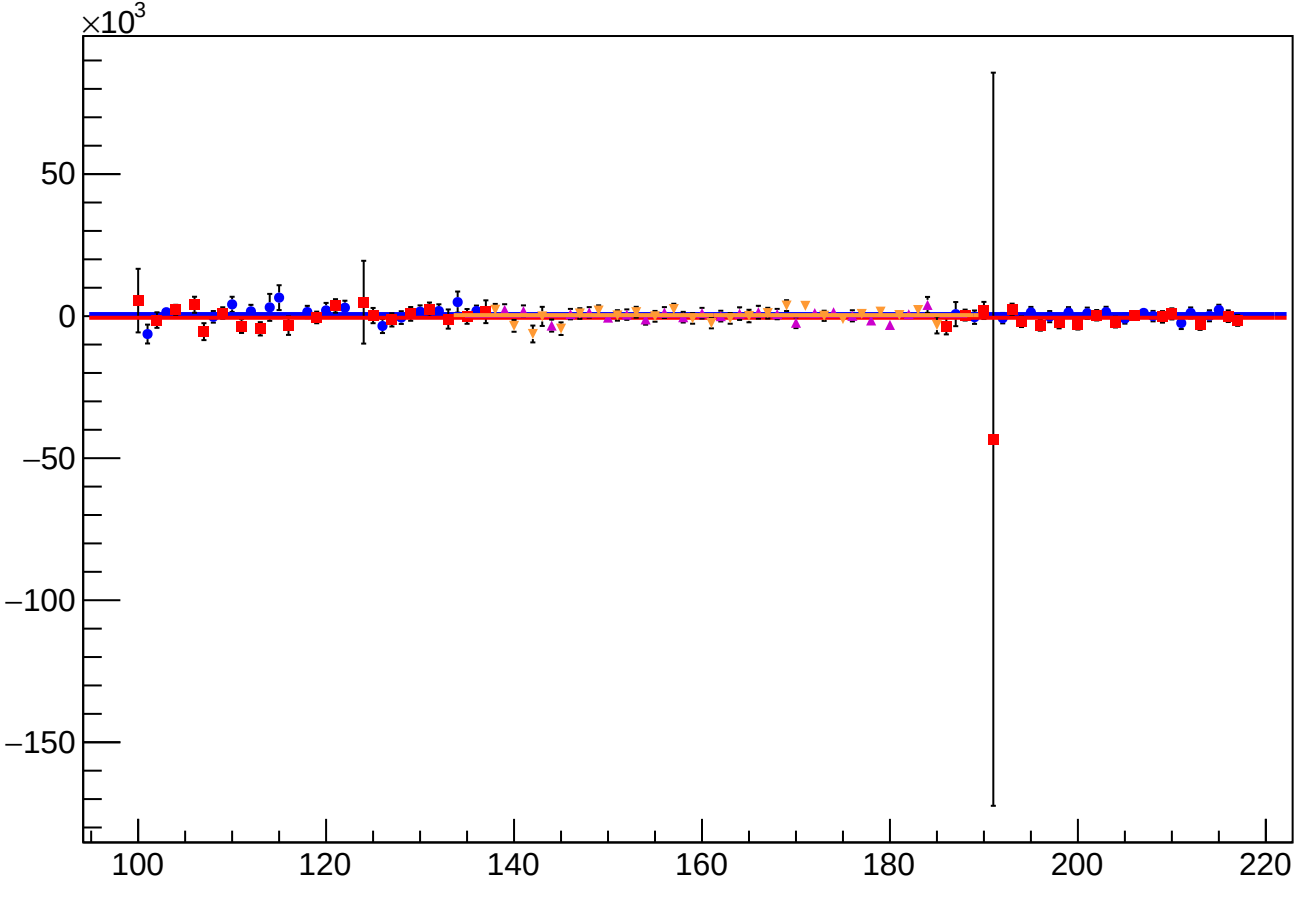
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1860.697+/-0.227 χ^2/NDF: 11722384.0/66

In: 1002.486+/-0.129 χ^2/NDF:14352110.8/53

Out: 999.227+/-0.127 χ^2/NDF:16857706.2/60

All: 1000.830+/-0.090 χ^2/NDF: 31210141.9/1



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: -574.461+/-381.232 χ^2/NDF: 31.3/35

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

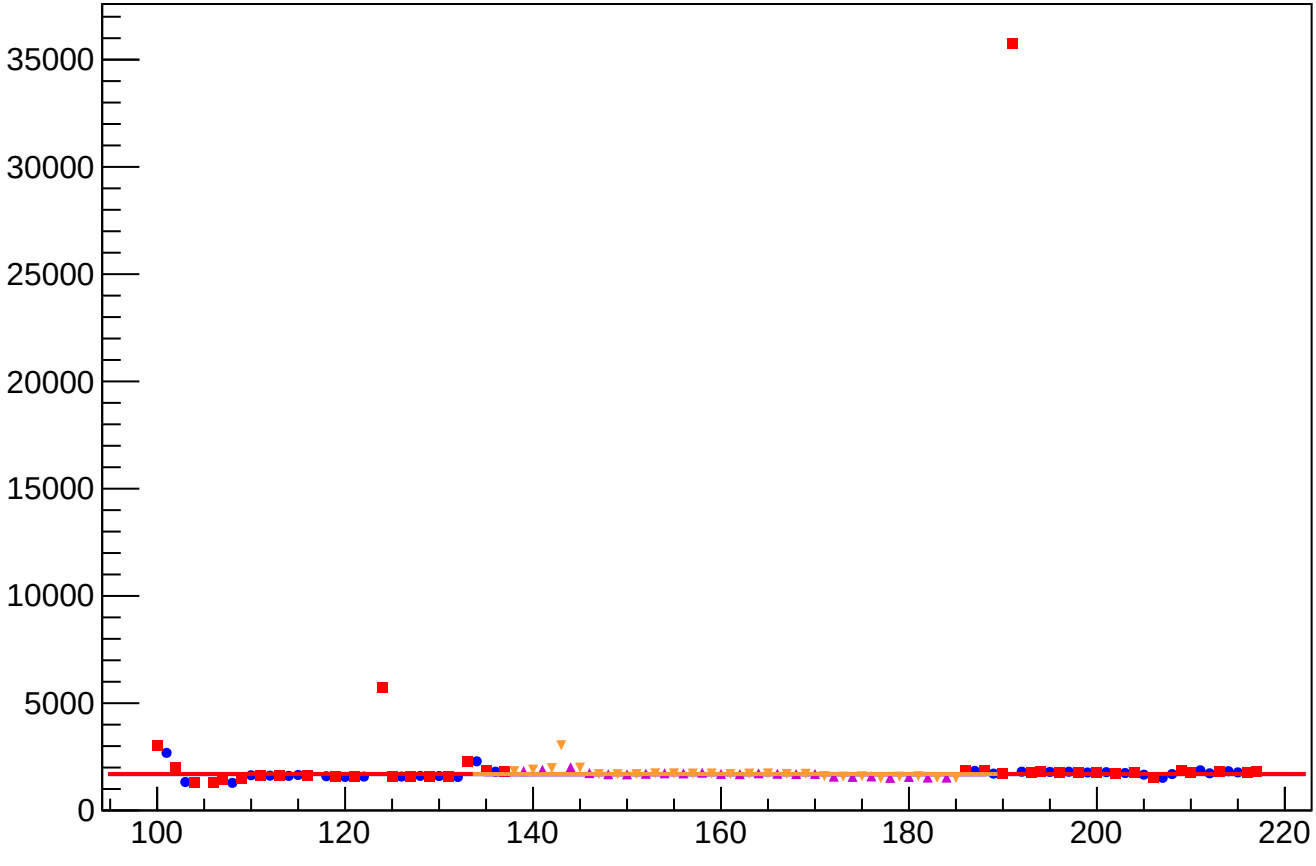
Right: 70.807+/-271.936 χ^2/NDF: 57.6/66

In: 452.726+/-276.546 χ^2/NDF:37.6/53

Out: -114.843+/-271.978 χ^2/NDF:63.9/60

All: 164.215+/-193.912 χ^2/NDF: 103.6/114

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: 1702.153+/-0.270 χ^2/NDF: 732081.3/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

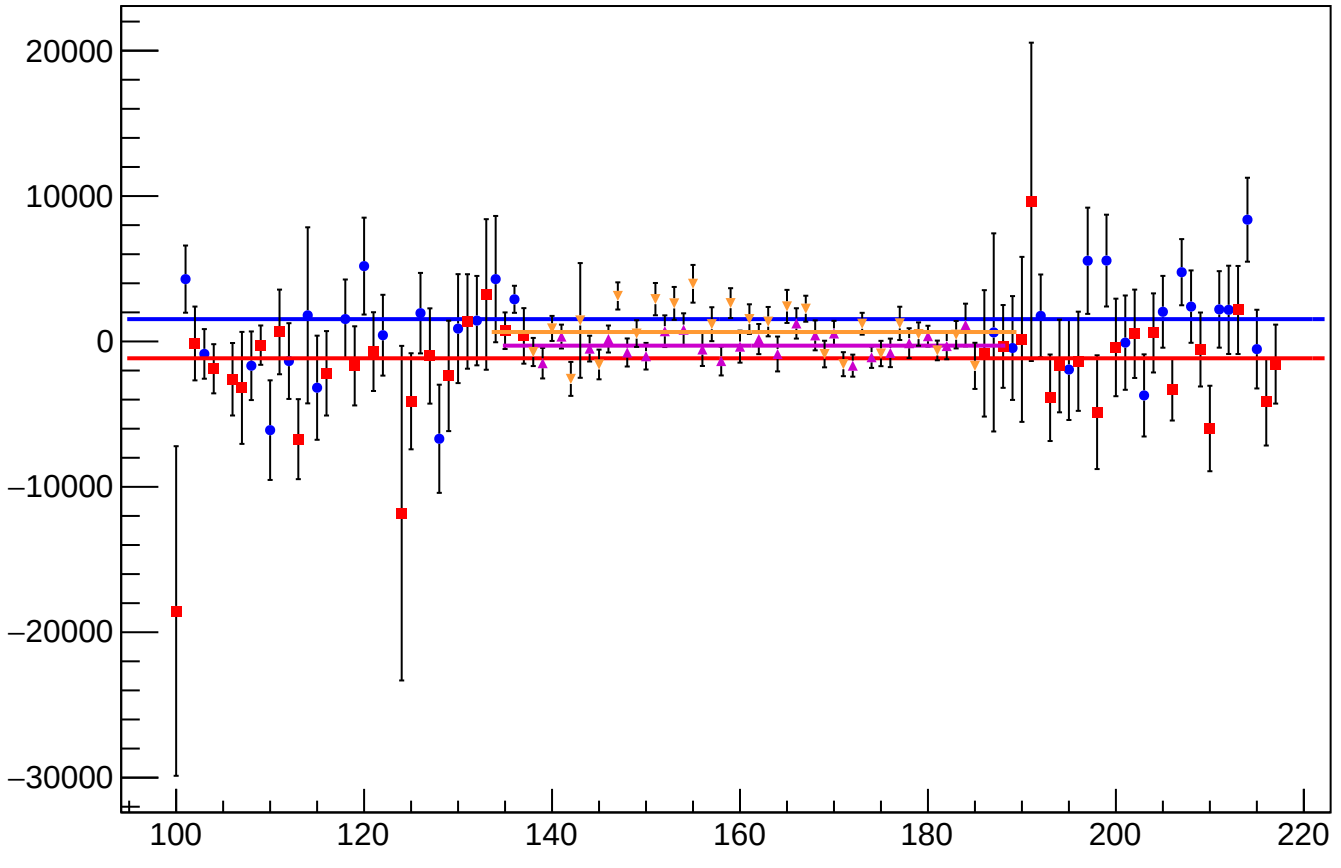
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1696.911+/-0.192 χ^2/NDF: 1256344.2/66

In: 1688.084+/-0.196 χ^2/NDF:689160.4/53

Out: 1699.866+/-0.192 χ^2/NDF:1227625.8/60

All: 1694.073+/-0.137 χ^2/NDF: 1918631.3/11



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: -1157.677+/-447.979 χ^2/NDF: 24.1/35

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

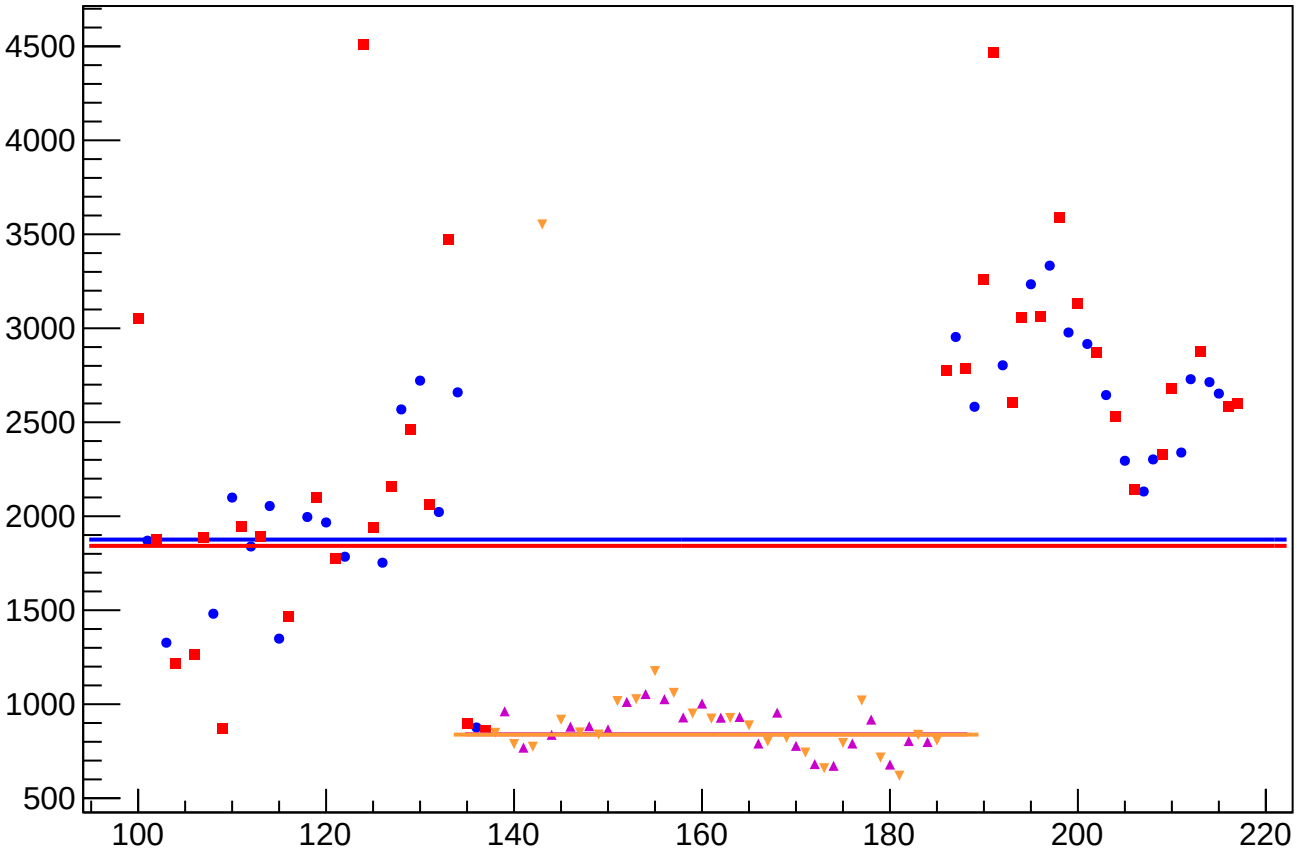
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 152.438+/-321.016 χ^2/NDF: 80.0/66

In: -2.559+/-182.266 χ^2/NDF:68.1/53

Out: 359.676+/-179.314 χ^2/NDF:103.2/60

All: 181.515+/-127.825 χ^2/NDF: 173.4/114



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: 1842.401+/-0.317 χ^2/NDF: 6607083.3/35

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

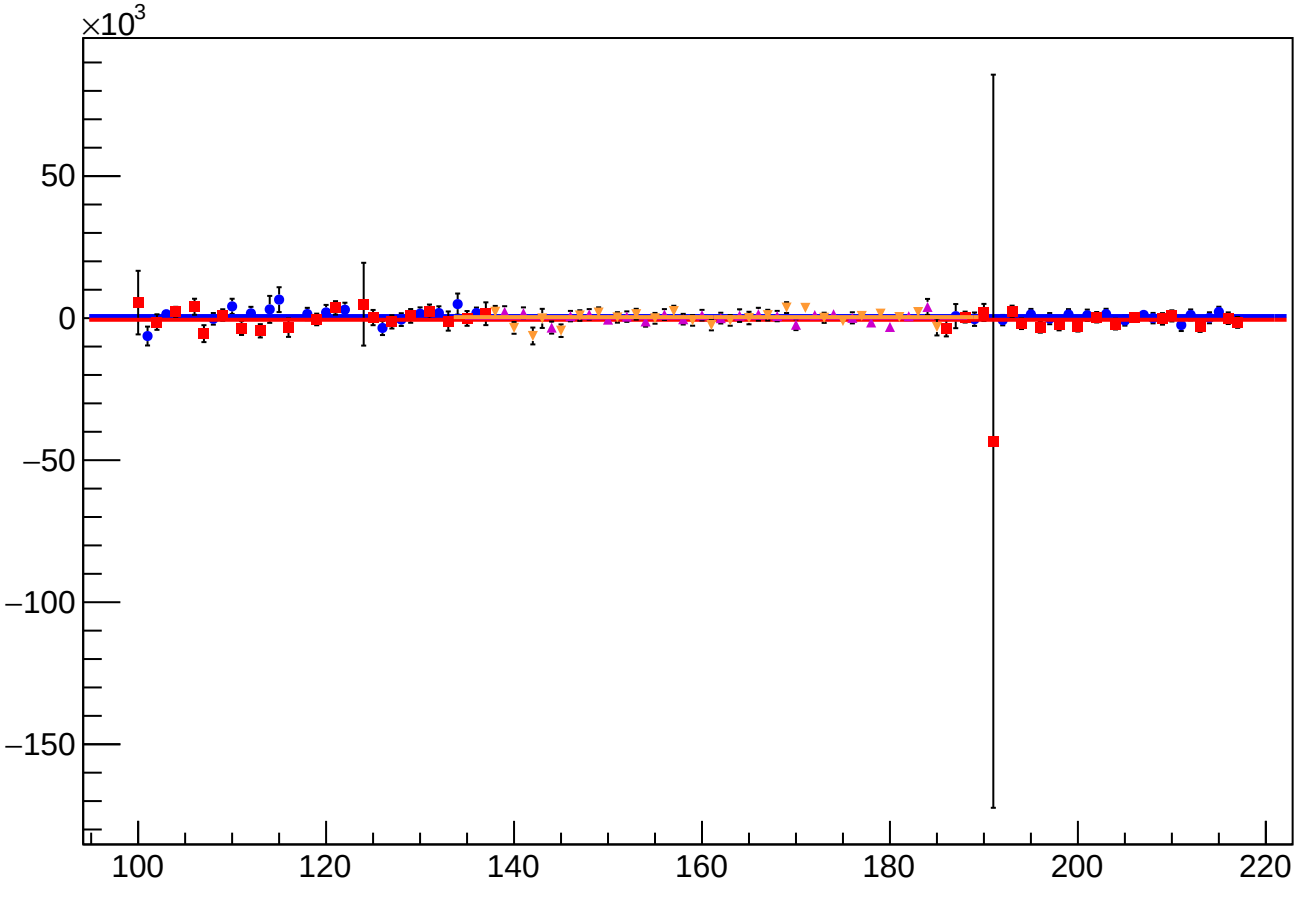
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1858.696+/-0.227 χ^2/NDF: 11748081.6/66

In: 1002.447+/-0.129 χ^2/NDF:14348232.5/53

Out: 999.137+/-0.127 χ^2/NDF:16845914.7/60

All: 1000.765+/-0.090 χ^2/NDF: 31194482.5/



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: -574.461+/-381.232 χ^2/NDF: 31.3/35

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

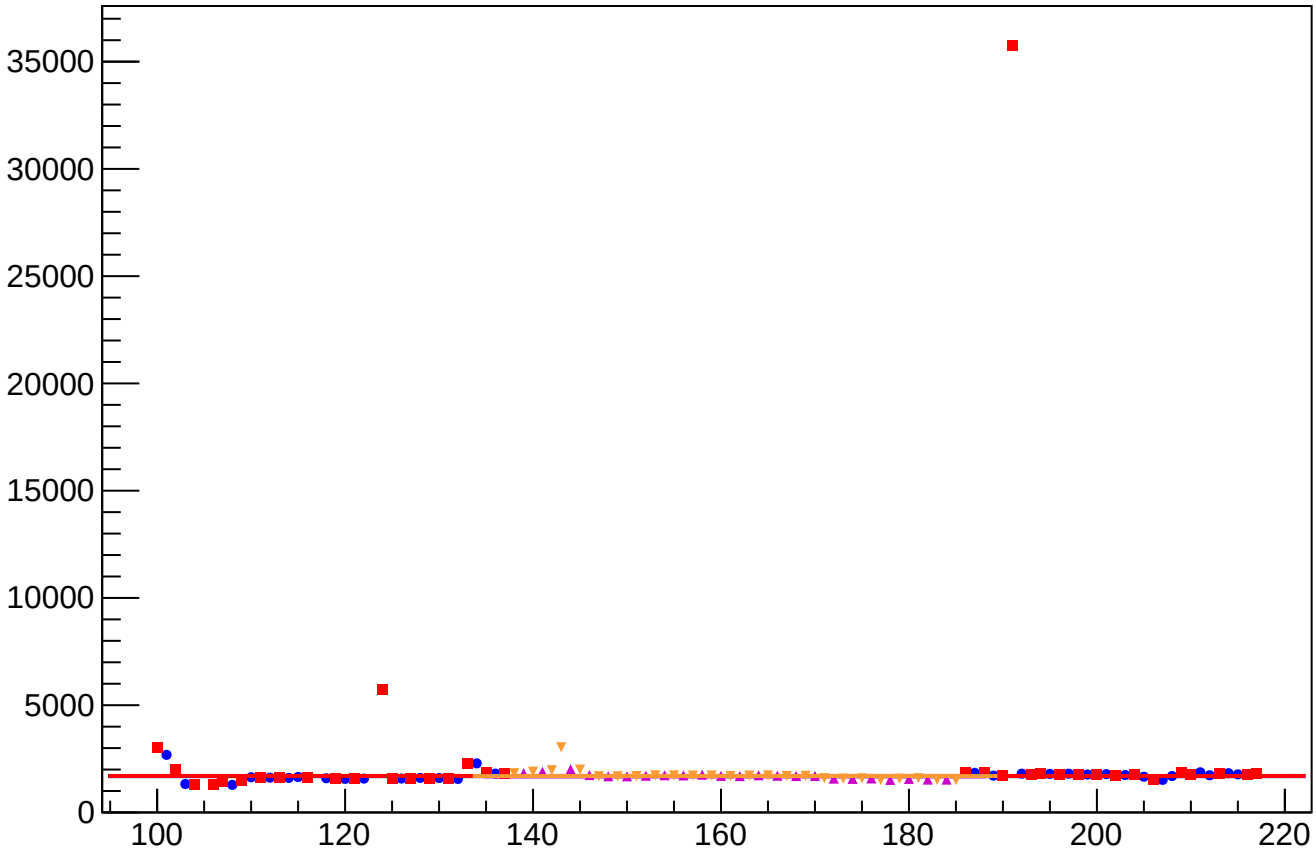
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 70.807+/-271.936 χ^2/NDF: 57.6/66

In: 452.726+/-276.546 χ^2/NDF:37.6/53

Out: -114.843+/-271.978 χ^2/NDF:63.9/60

All: 164.215+/-193.912 χ^2/NDF: 103.6/114



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: 1702.153+/-0.270 χ^2/NDF: 732081.3/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

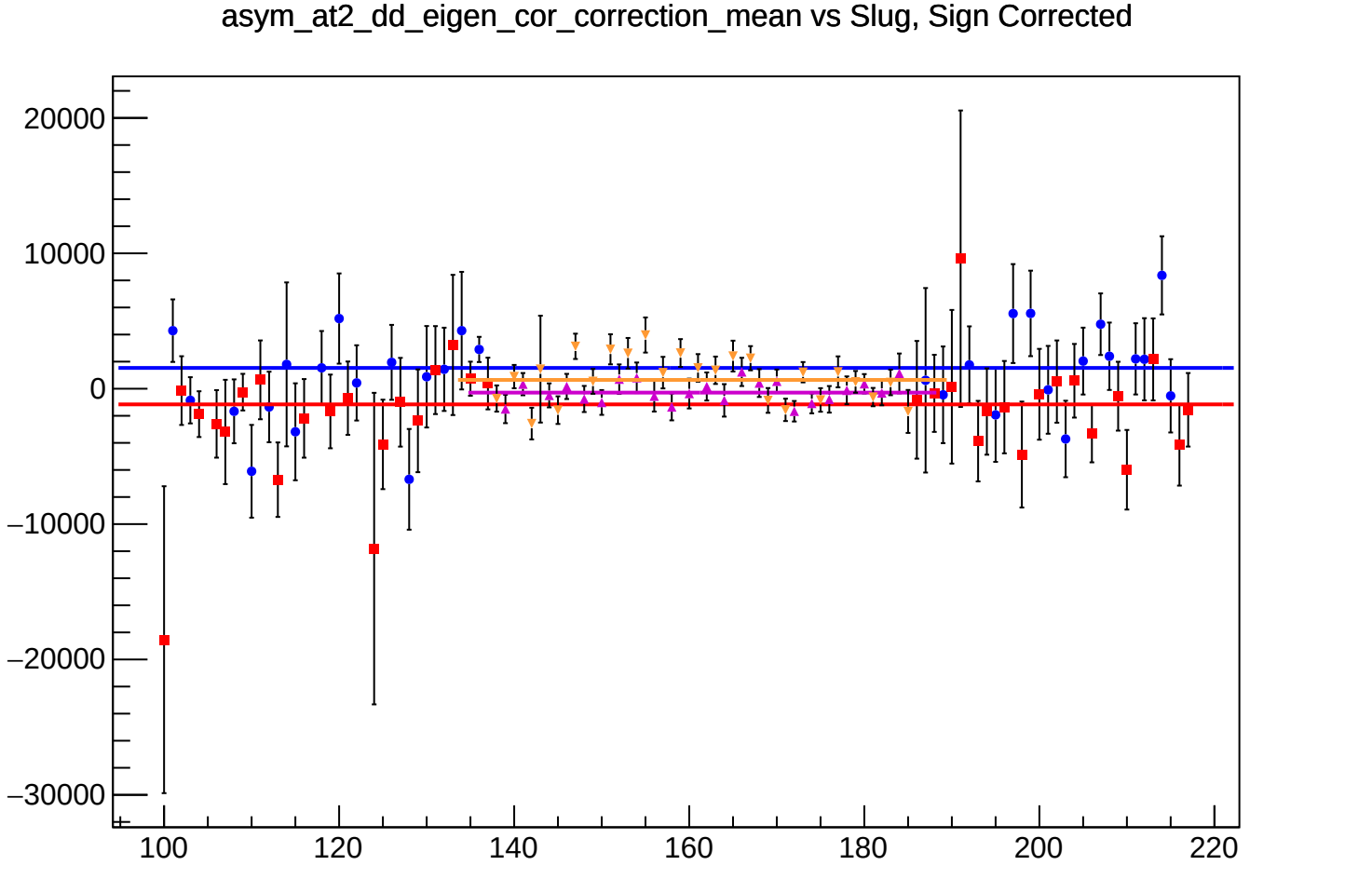
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1696.911+/-0.192 χ^2/NDF: 1256344.2/66

In: 1688.084+/-0.196 χ^2/NDF:689160.4/53

Out: 1699.866+/-0.192 χ^2/NDF:1227625.8/60

All: 1694.073+/-0.137 χ^2/NDF: 1918631.3/11



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: -1157.677+/-447.979 χ^2/NDF: 24.1/35

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

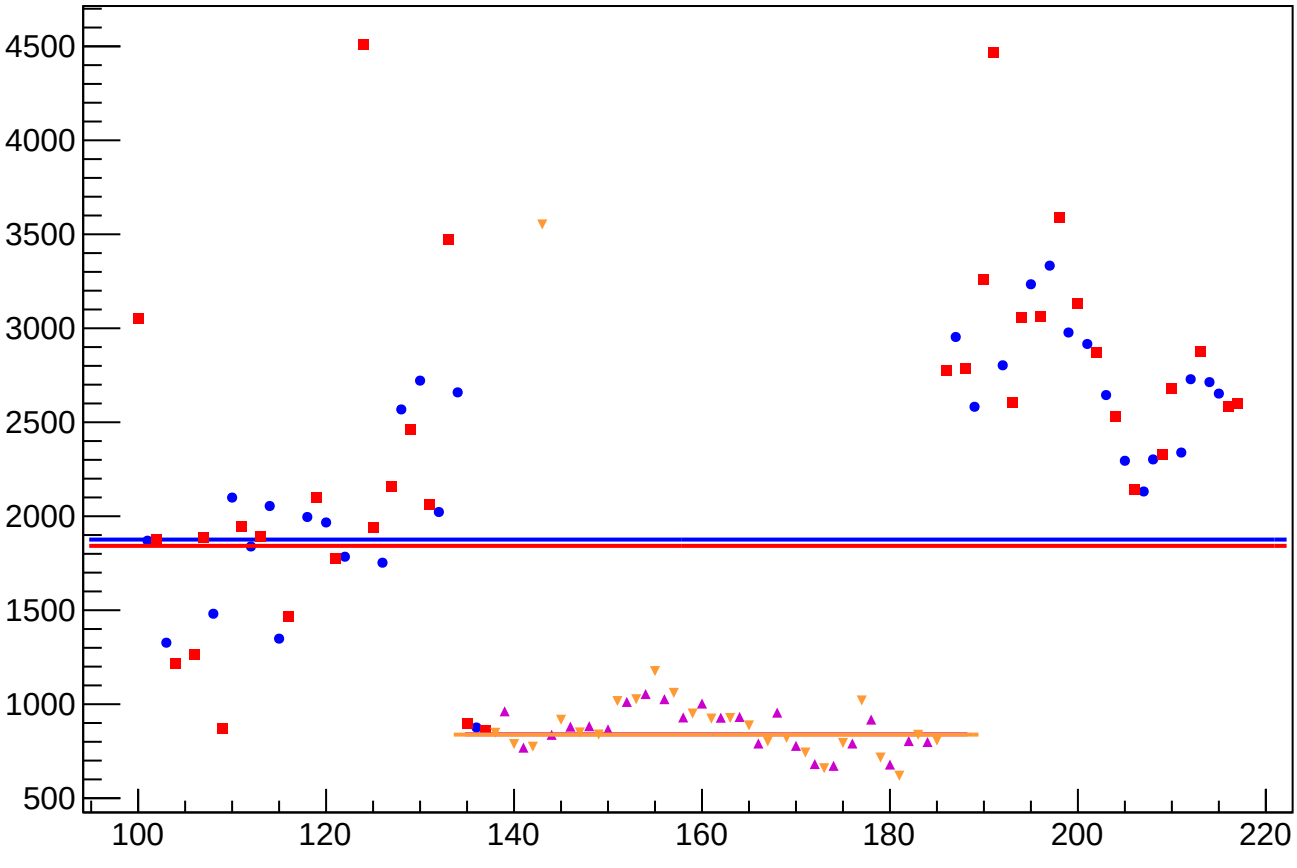
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 152.438+/-321.016 χ^2/NDF: 80.0/66

In: -2.559+/-182.266 χ^2/NDF:68.1/53

Out: 359.676+/-179.314 χ^2/NDF:103.2/60

All: 181.515+/-127.825 χ^2/NDF: 173.4/114



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: 1842.401+/-0.317 χ^2/NDF: 6607083.3/35

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

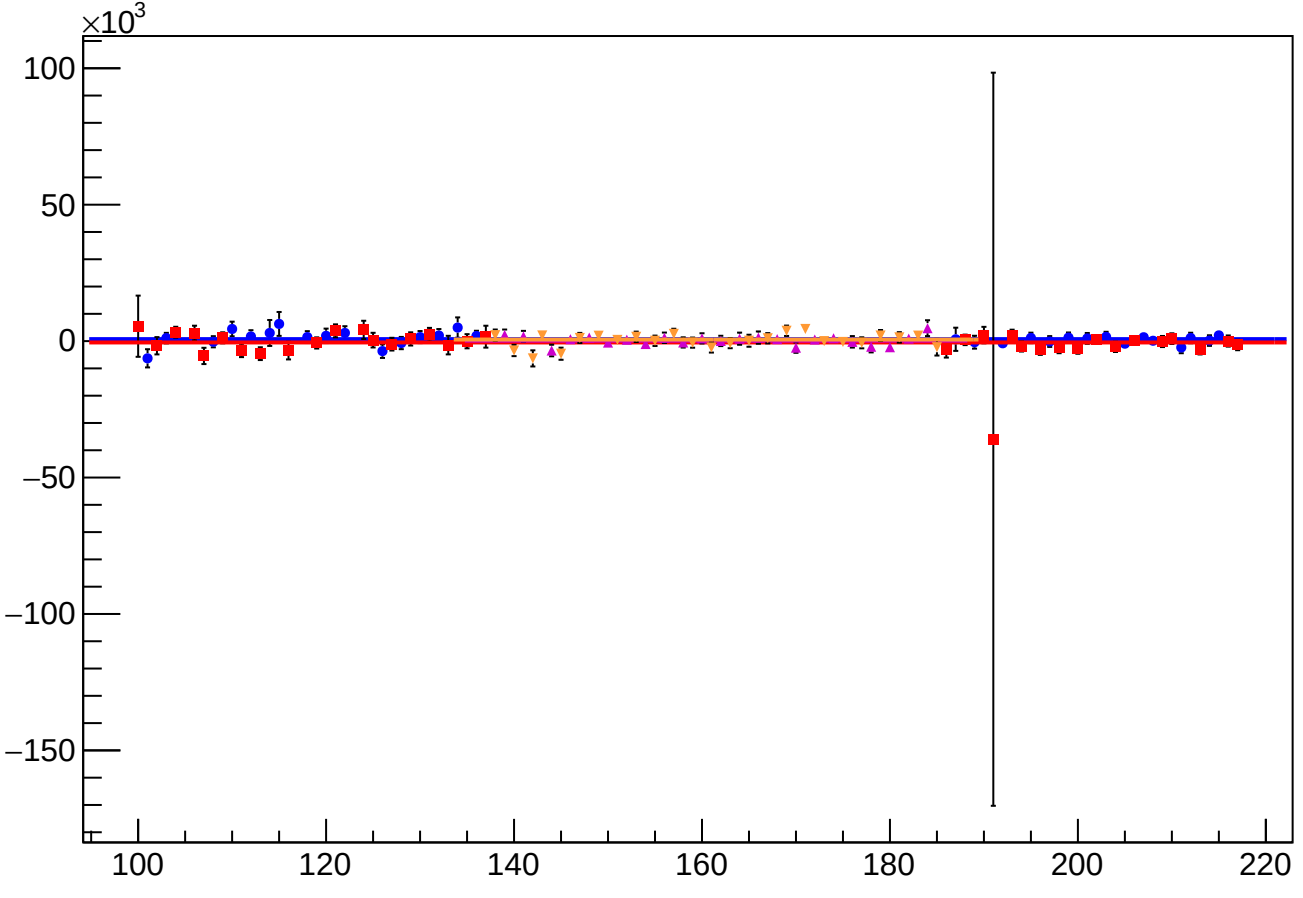
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1858.696+/-0.227 χ^2/NDF: 11748081.6/66

In: 1002.447+/-0.129 χ^2/NDF:14348232.5/53

Out: 999.137+/-0.127 χ^2/NDF:16845914.7/60

All: 1000.765+/-0.090 χ^2/NDF: 31194482.5/



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: -489.649+/-381.697 χ^2/NDF: 33.7/35

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

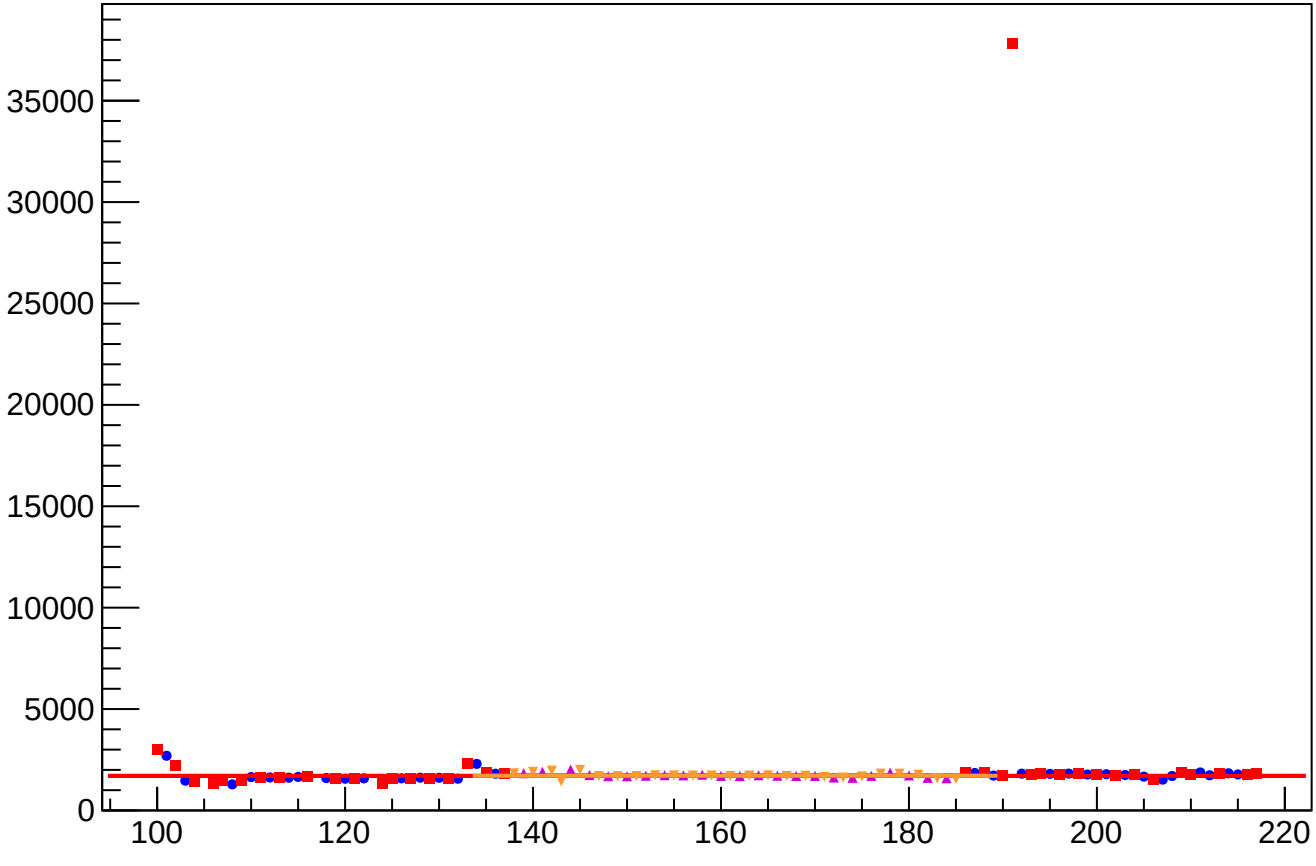
Right: 107.834+/-272.959 χ^2/NDF: 59.6/66

In: 468.874+/-280.807 χ^2/NDF:36.2/53

Out: 34.132+/-272.710 χ^2/NDF:69.5/60

All: 245.144+/-195.635 χ^2/NDF: 107.0/114

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1703.661+/-0.276 χ^2/NDF: 464878.2/30

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1706.863+/-0.270 χ^2/NDF: 590868.9/35

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

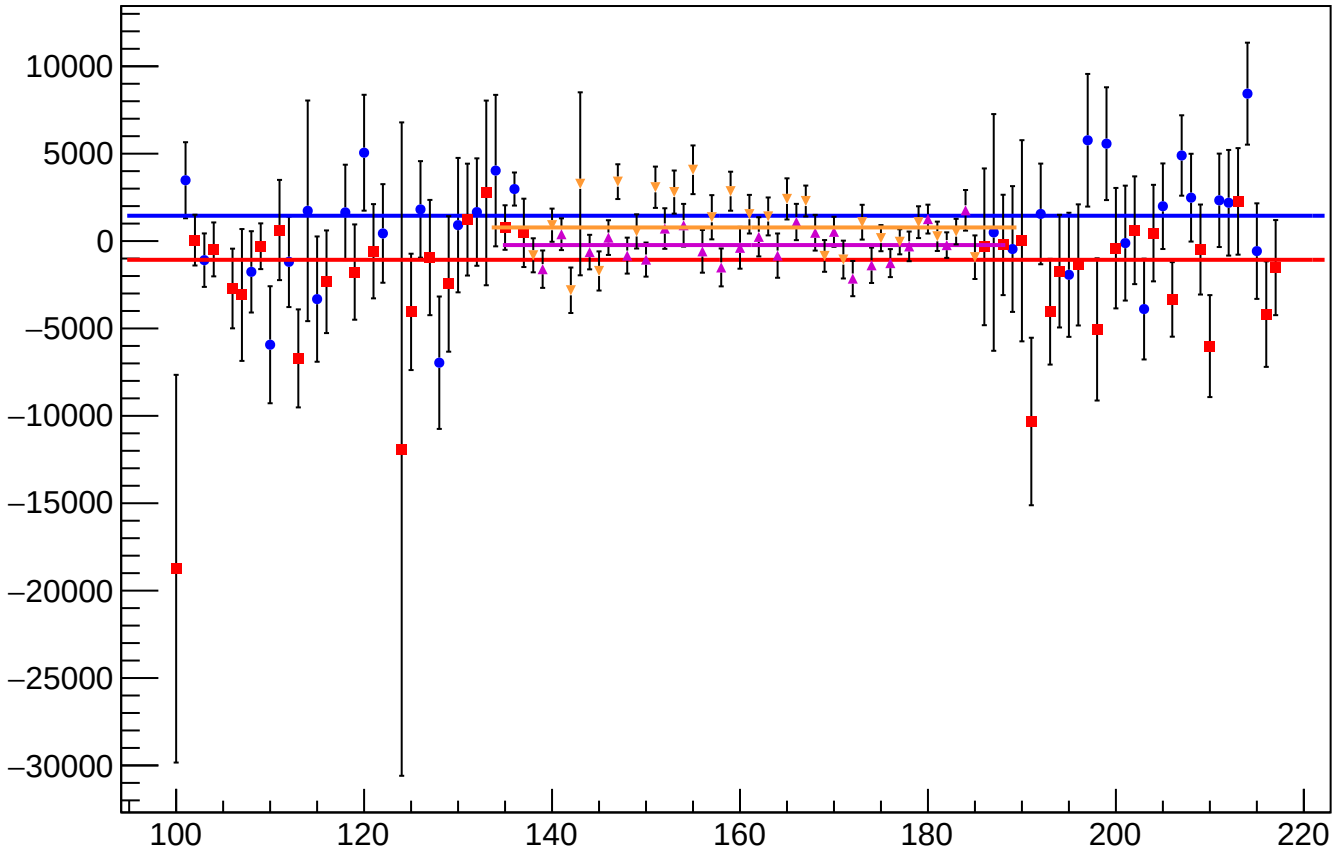
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1705.298+/-0.193 χ^2/NDF: 1055815.9/66

In: 1715.372+/-0.199 χ^2/NDF:568829.9/53

Out: 1709.237+/-0.193 χ^2/NDF:759033.3/60

All: 1712.214+/-0.138 χ^2/NDF: 1328354.5/11



Right In: 1448.423+/-458.678 χ^2/NDF: 39.2/30

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -1072.758+/-430.146 χ^2/NDF: 27.0/35

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

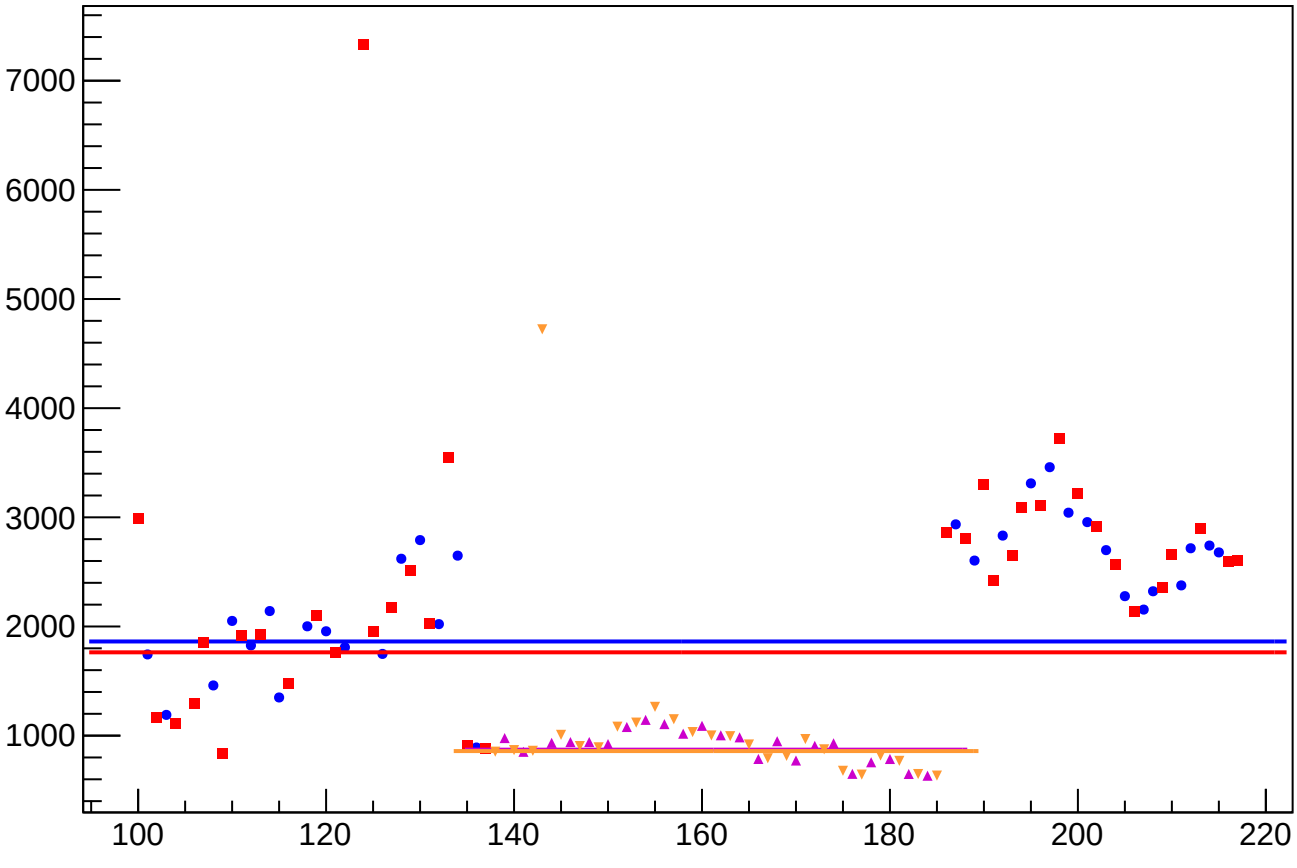
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 106.983+/-313.761 χ^2/NDF: 82.2/66

In: 54.256+/-188.451 χ^2/NDF:72.9/53

Out: 445.368+/-182.576 χ^2/NDF:96.7/60

All: 256.004+/-131.129 χ^2/NDF: 171.8/114



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: 1763.242+/-0.304 χ^2/NDF: 7328634.2/35

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

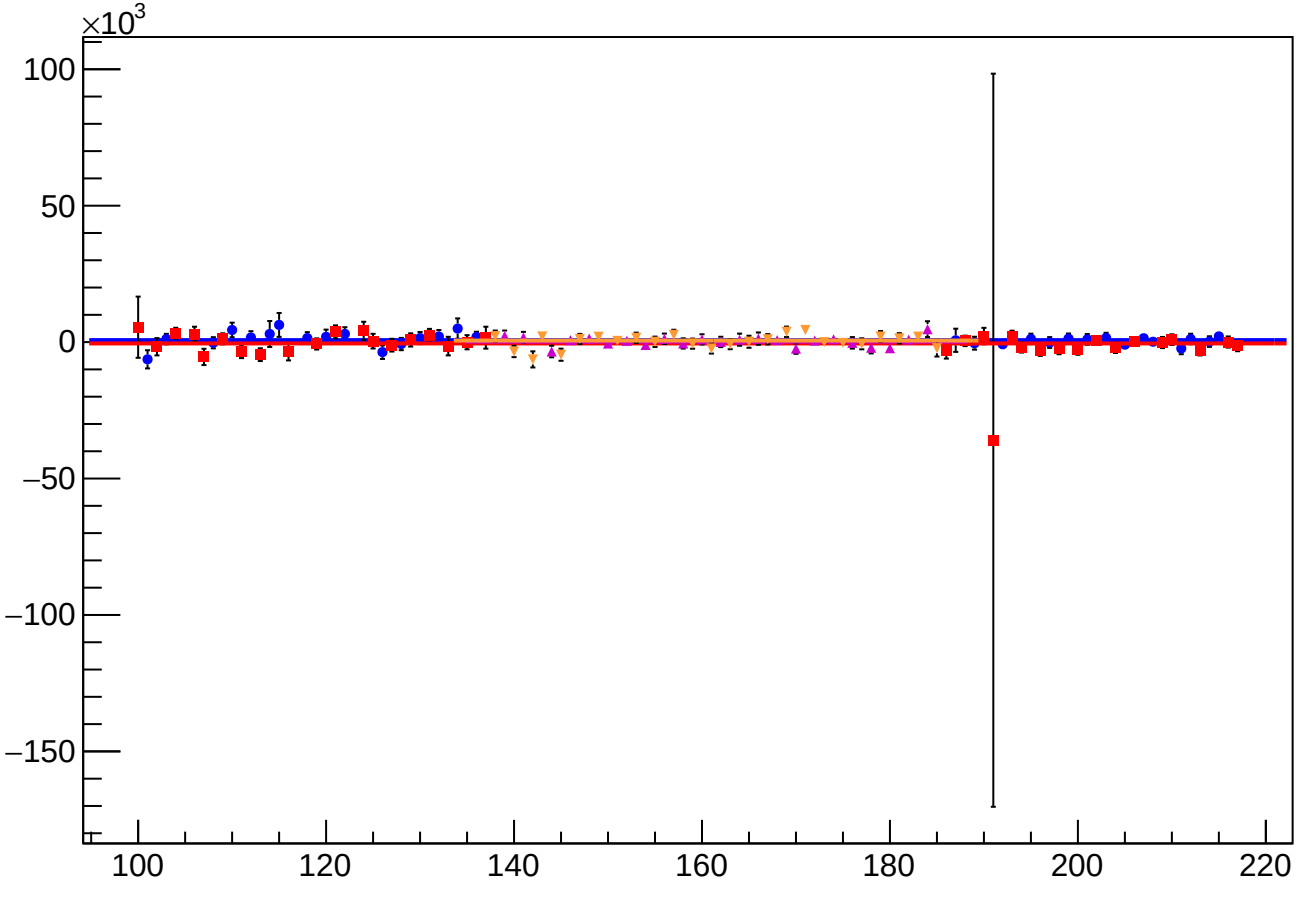
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1809.796+/-0.222 χ^2/NDF: 12725917.7/66

In: 1038.846+/-0.133 χ^2/NDF:14089840.0/53

Out: 1021.573+/-0.129 χ^2/NDF:16860912.4/60

All: 1029.936+/-0.093 χ^2/NDF: 30959419.2/1



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: -489.645+/-381.697 χ^2/NDF: 33.7/35

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

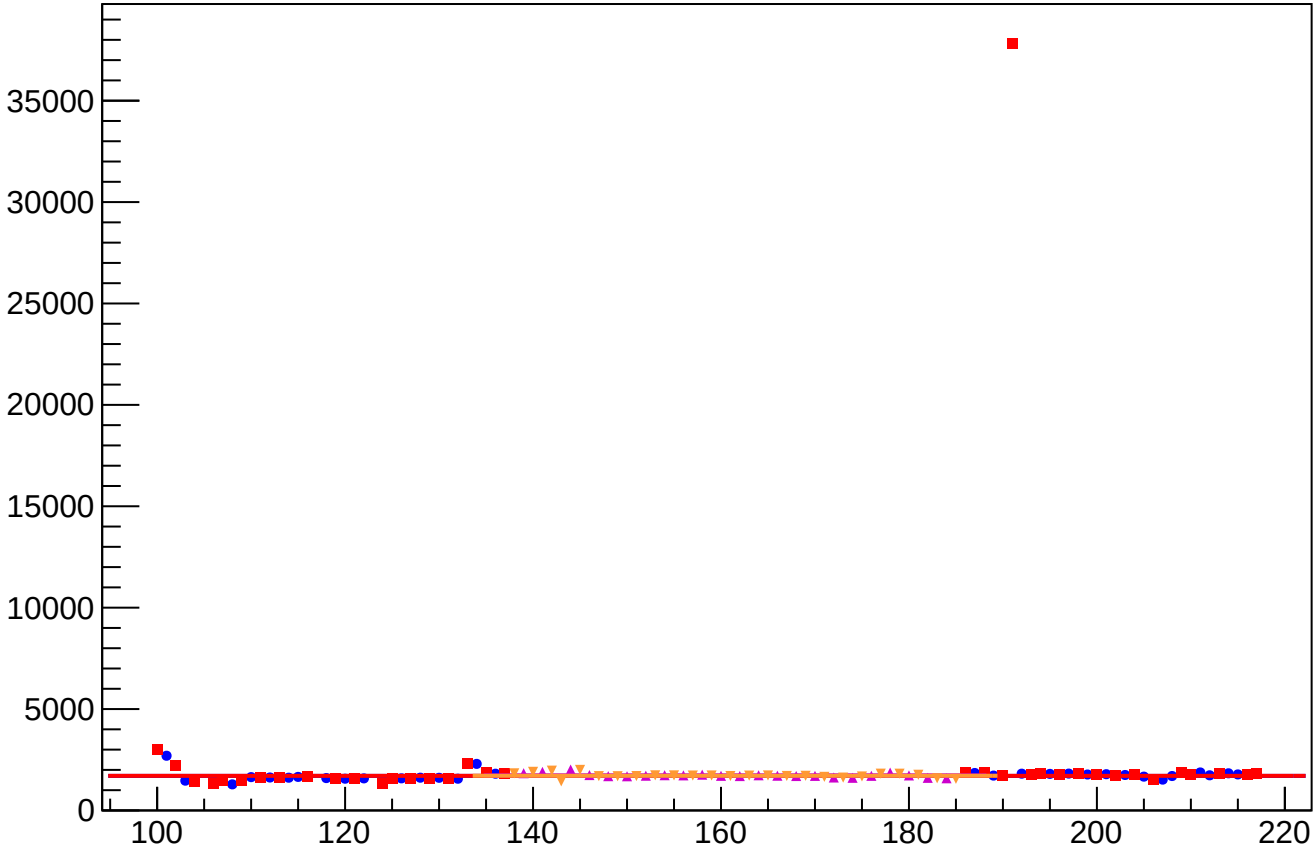
Right: 107.834+/-272.959 χ^2/NDF: 59.6/66

In: 468.871+/-280.807 χ^2/NDF:36.2/53

Out: 34.132+/-272.710 χ^2/NDF:69.5/60

All: 245.143+/-195.635 χ^2/NDF: 107.0/114

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



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: 1706.863+/-0.270 χ^2/NDF: 590869.1/35

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

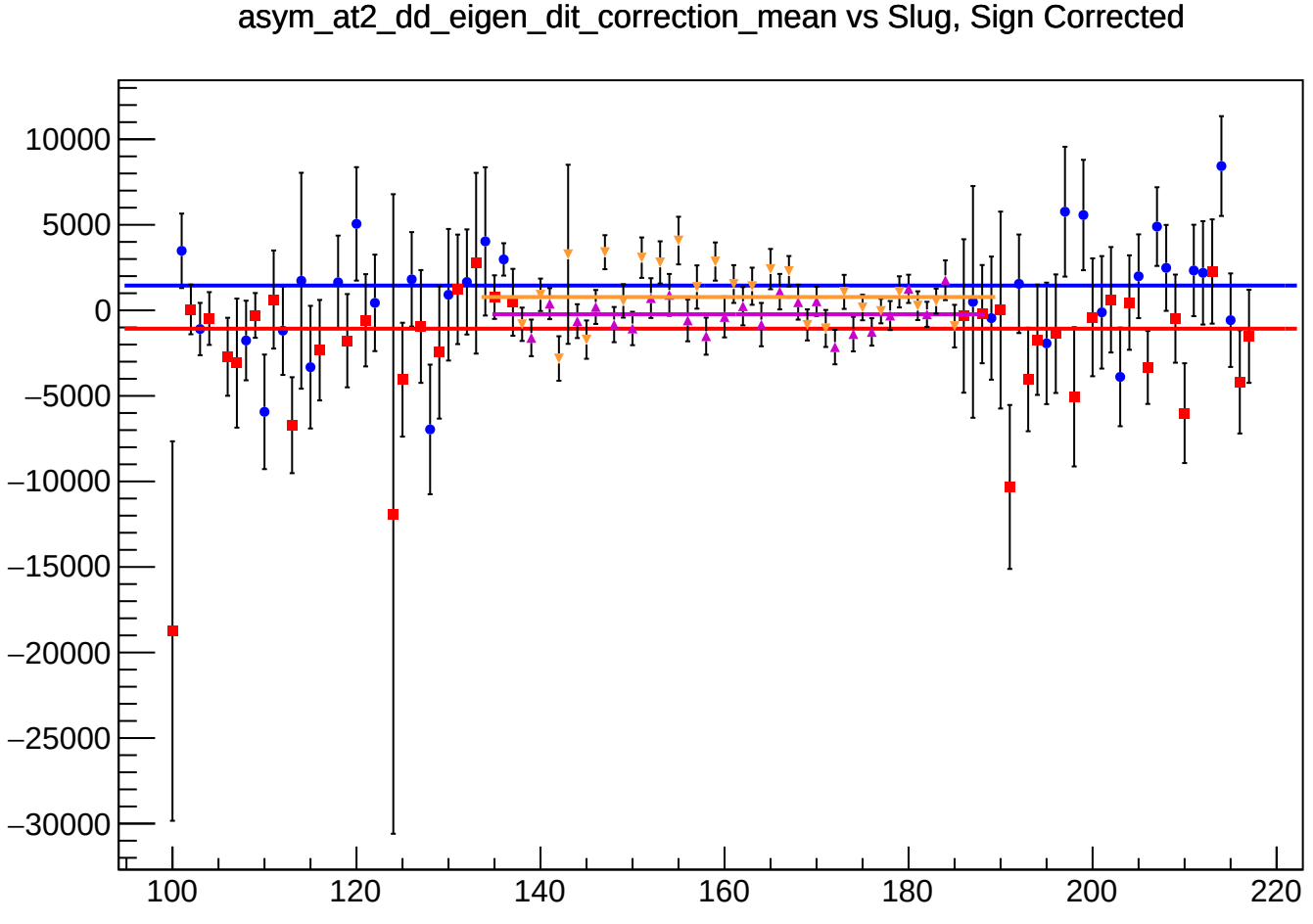
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1705.298+/-0.193 χ^2/NDF: 1055815.9/66

In: 1715.372+/-0.199 χ^2/NDF:568829.6/53

Out: 1709.236+/-0.193 χ^2/NDF:759032.2/60

All: 1712.214+/-0.138 χ^2/NDF: 1328353.2/11



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: -1072.769+/-430.148 χ^2/NDF: 27.0/35

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

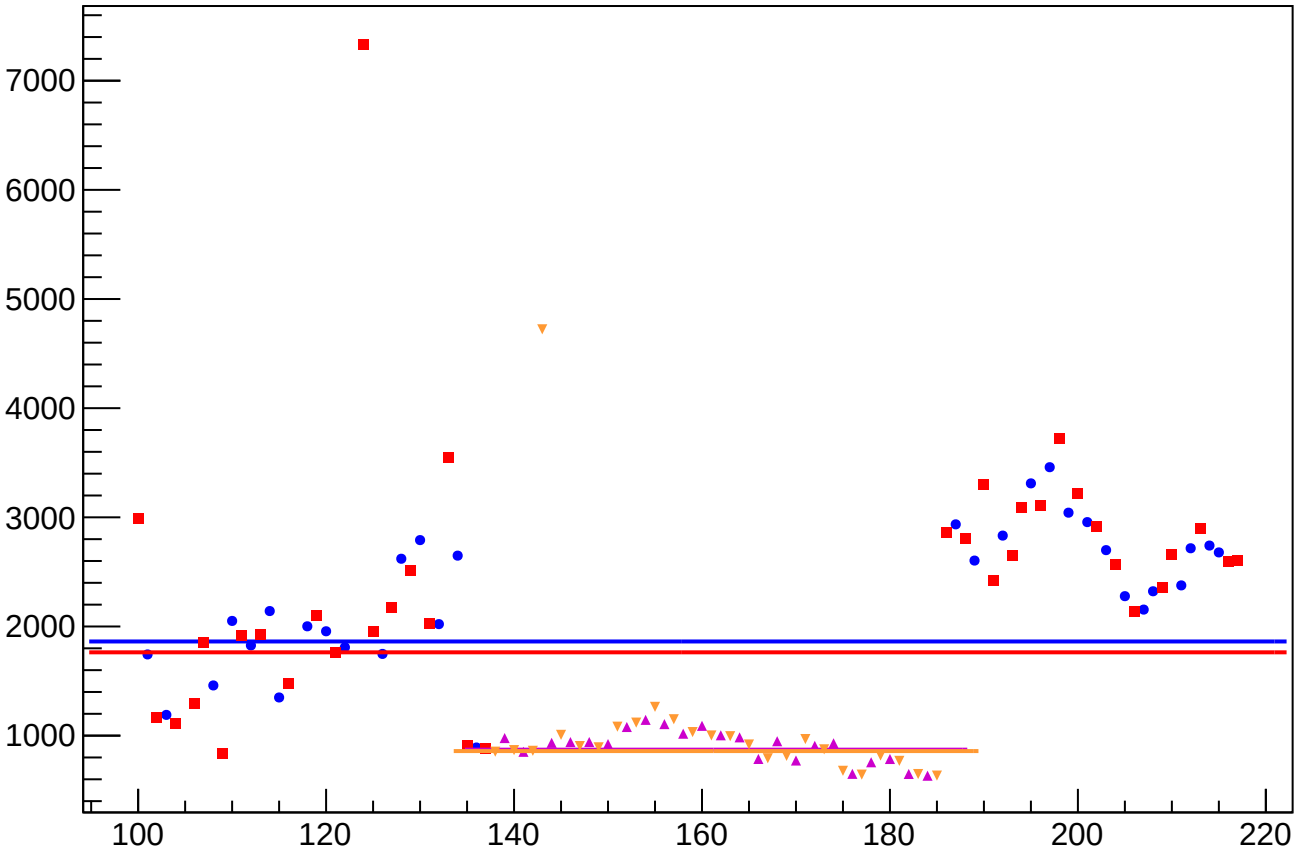
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 106.977+/-313.763 χ^2/NDF: 82.2/66

In: 54.255+/-188.451 χ^2/NDF:72.9/53

Out: 445.371+/-182.576 χ^2/NDF:96.7/60

All: 256.005+/-131.129 χ^2/NDF: 171.8/114



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: 1763.255+/-0.304 χ^2/NDF: 7328467.0/35

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

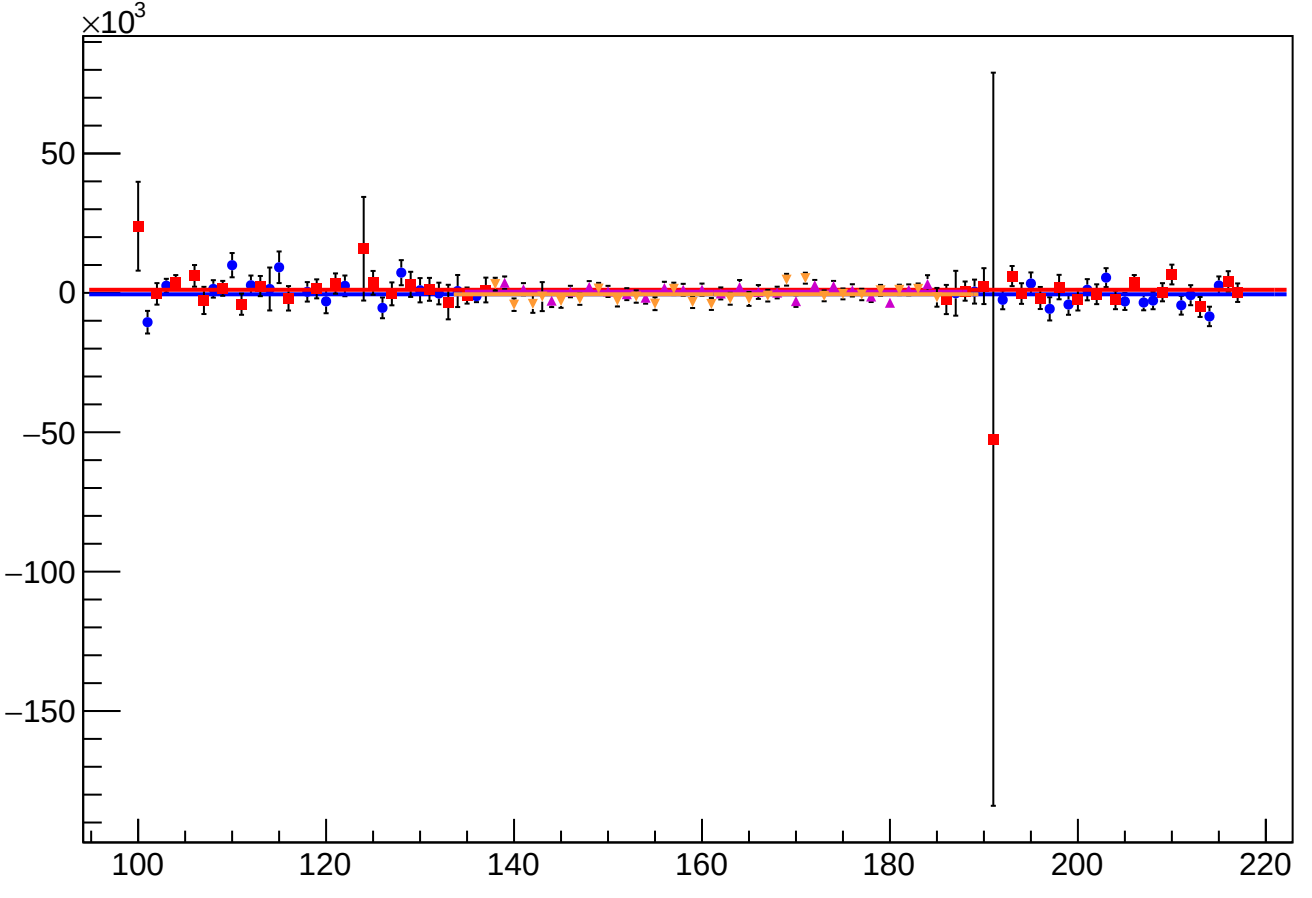
Right: 1809.809+/-0.222 χ^2/NDF: 12725553.8/66

In: 1038.846+/-0.133 χ^2/NDF:14089818.8/53

Out: 1021.574+/-0.129 χ^2/NDF:16860888.0/60

All: 1029.937+/-0.093 χ^2/NDF: 30959372.2/

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: 1106.906+/-636.001 χ^2/NDF: 23.7/35

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

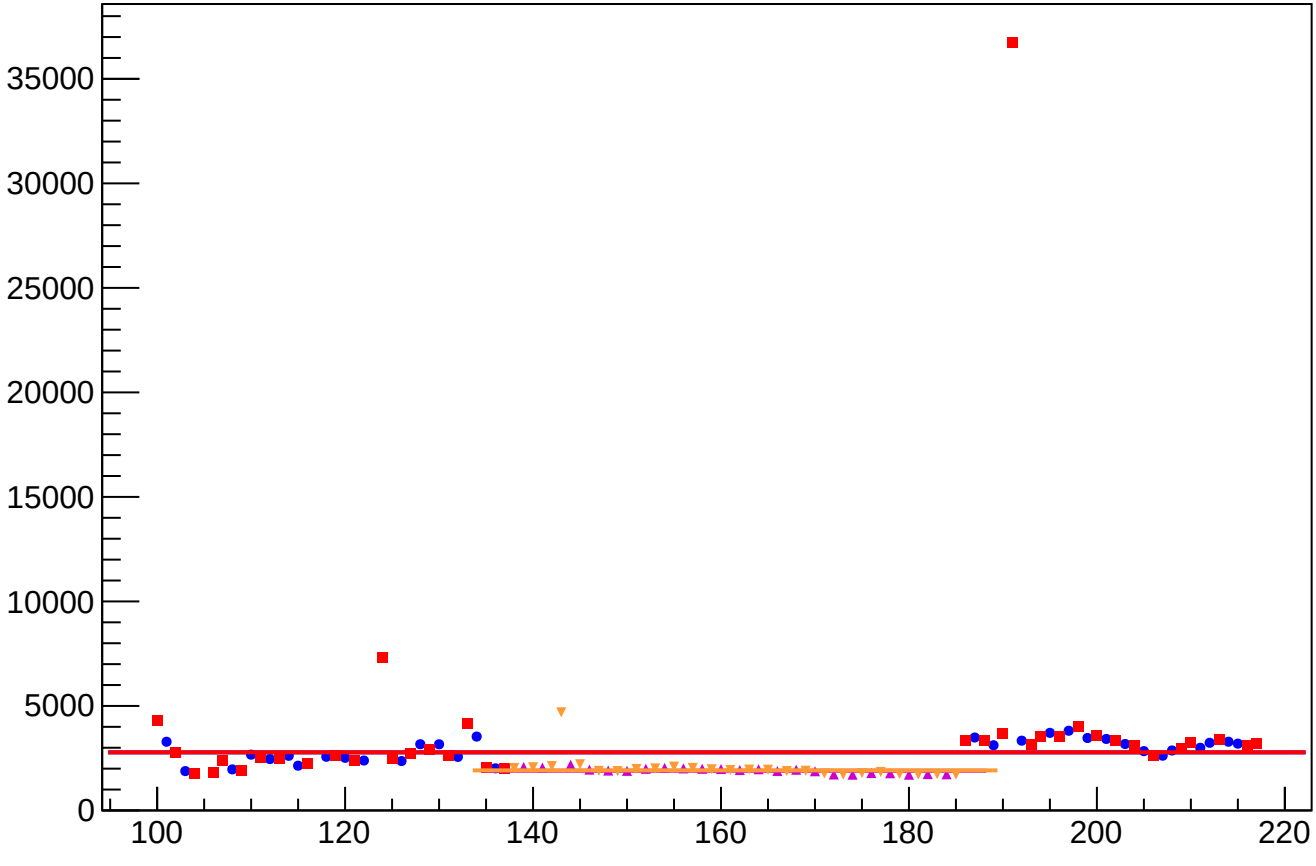
Right: 309.444+/-453.178 χ^2/NDF: 67.5/66

In: 114.178+/-366.209 χ^2/NDF:60.9/53

Out: 18.985+/-361.800 χ^2/NDF:63.9/60

All: 66.005+/-257.376 χ^2/NDF: 124.9/114

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: 2783.412+/-0.450 χ^2/NDF: 2116958.2/35

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

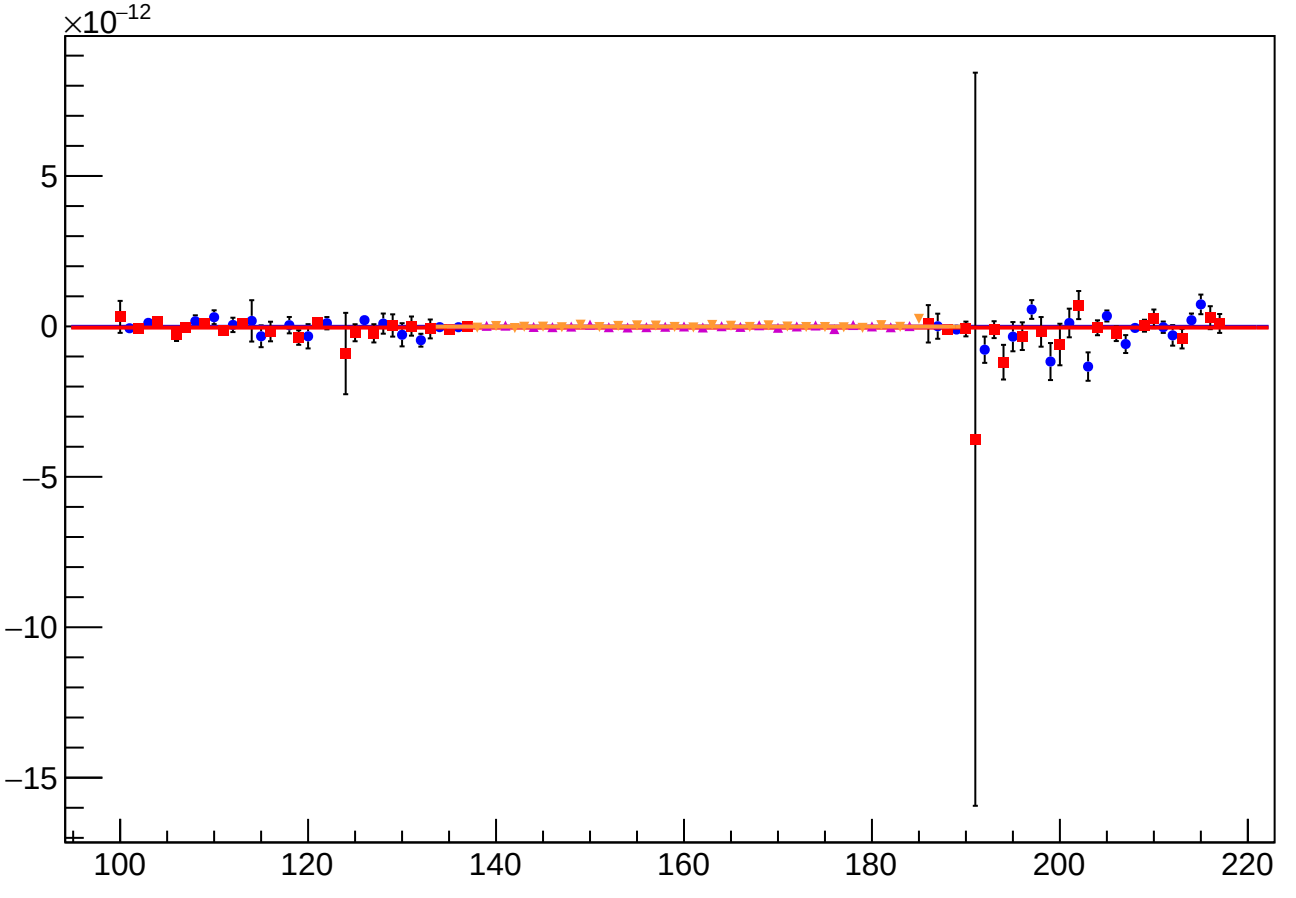
Right: 2780.303+/-0.320 χ^2/NDF: 3575207.4/66

In: 2181.445+/-0.259 χ^2/NDF:4138334.2/53

Out: 2197.488+/-0.256 χ^2/NDF:5382952.2/60

All: 2189.563+/-0.182 χ^2/NDF: 9523228.9/11

asym_at2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 27.3/35

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

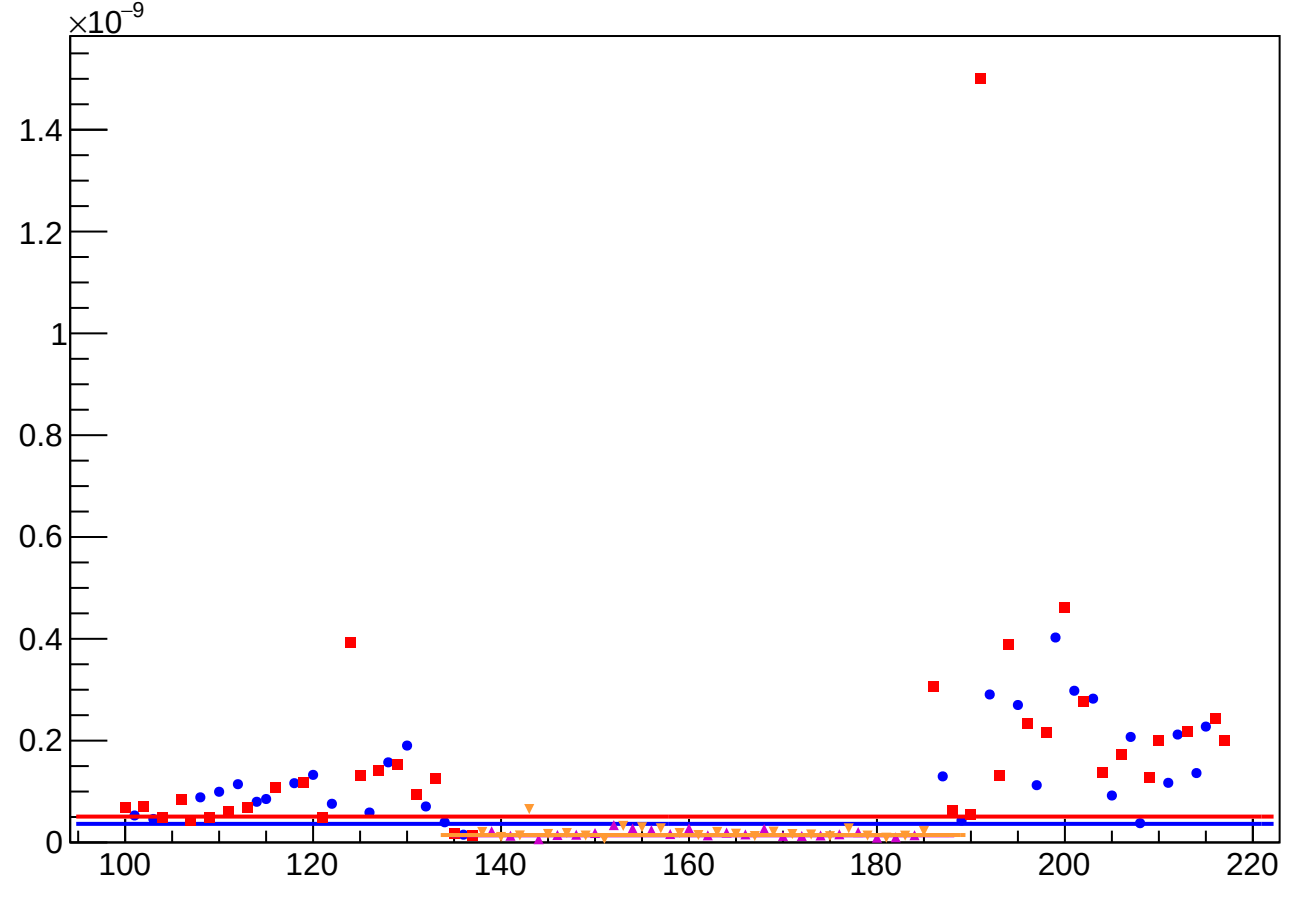
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 76.0/66

In: -0.000+/-0.000 χ^2/NDF:73.2/53

Out: -0.000+/-0.000 χ^2/NDF:57.4/60

All: -0.000+/-0.000 χ^2/NDF: 130.7/114



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: 8910254.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

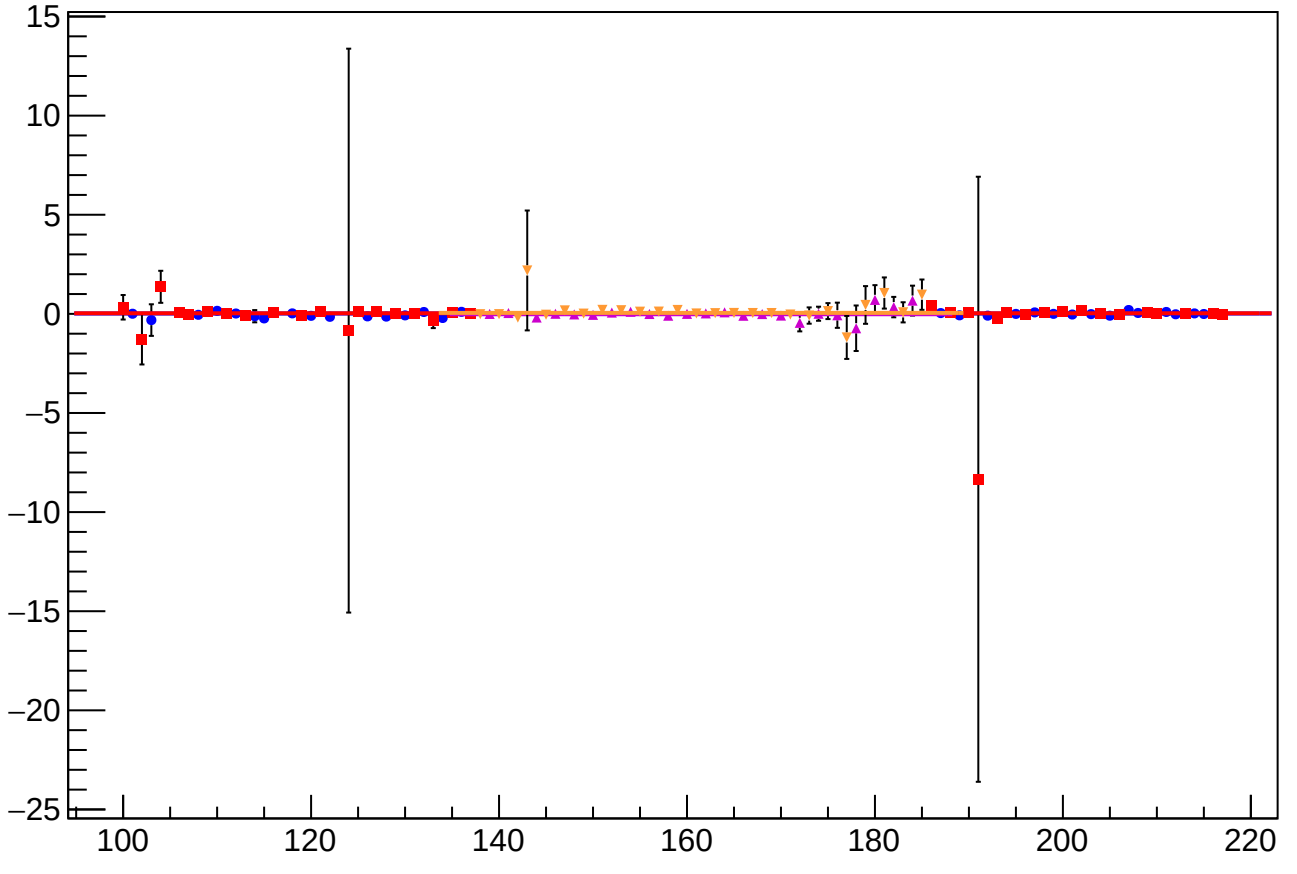
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 18382987.3/66

In: 0.000+/-0.000 χ^2/NDF:13232057.3/53

Out: 0.000+/-0.000 χ^2/NDF:14493500.7/60

All: 0.000+/-0.000 χ^2/NDF: 27742346.5/114



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: 0.030+/-0.016 χ^2/NDF: 27.2/35

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

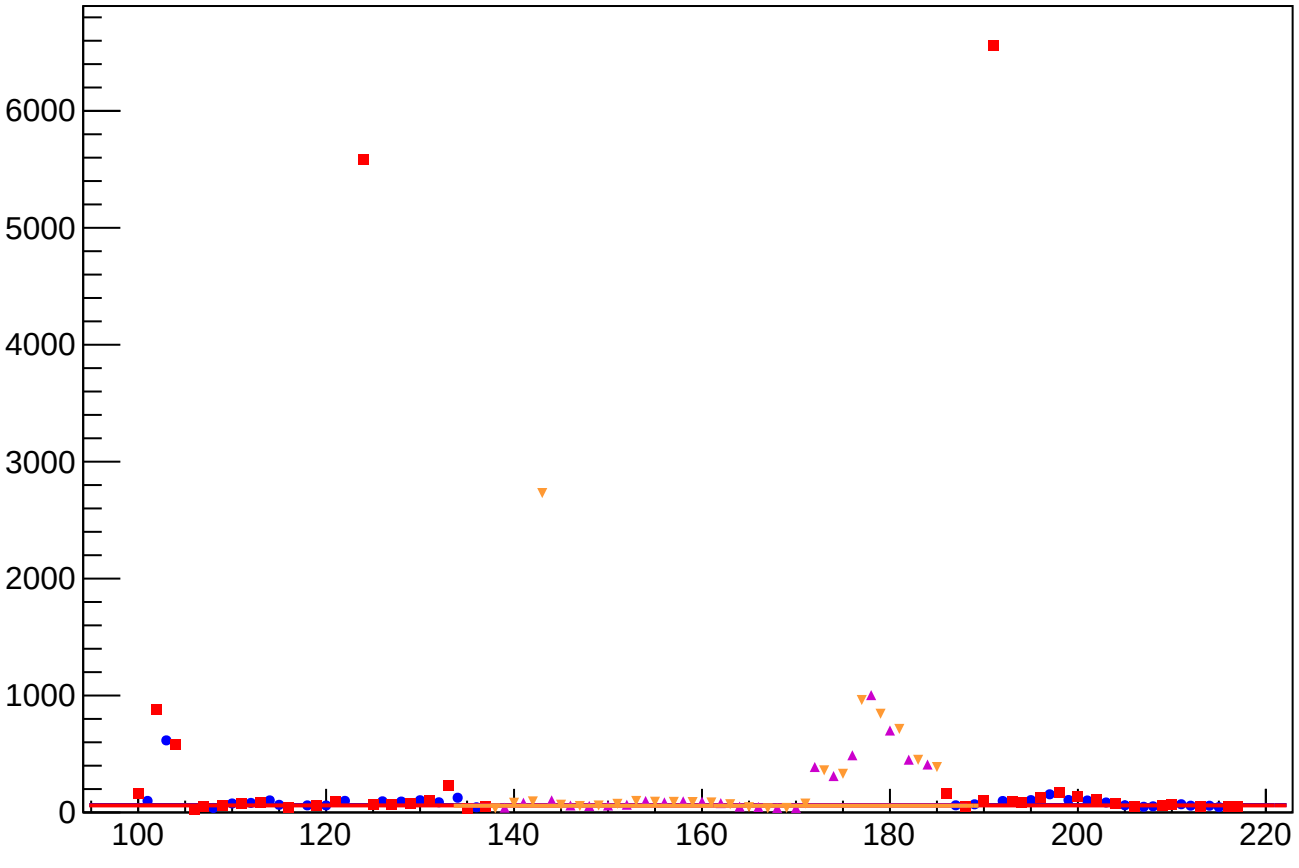
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.024+/-0.011 χ^2/NDF: 58.1/66

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.039+/-0.012 χ^2/NDF:52.4/60

All: 0.020+/-0.008 χ^2/NDF: 106.4/114



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: 60.222+/-0.011 χ^2/NDF: 7405258.9/35

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

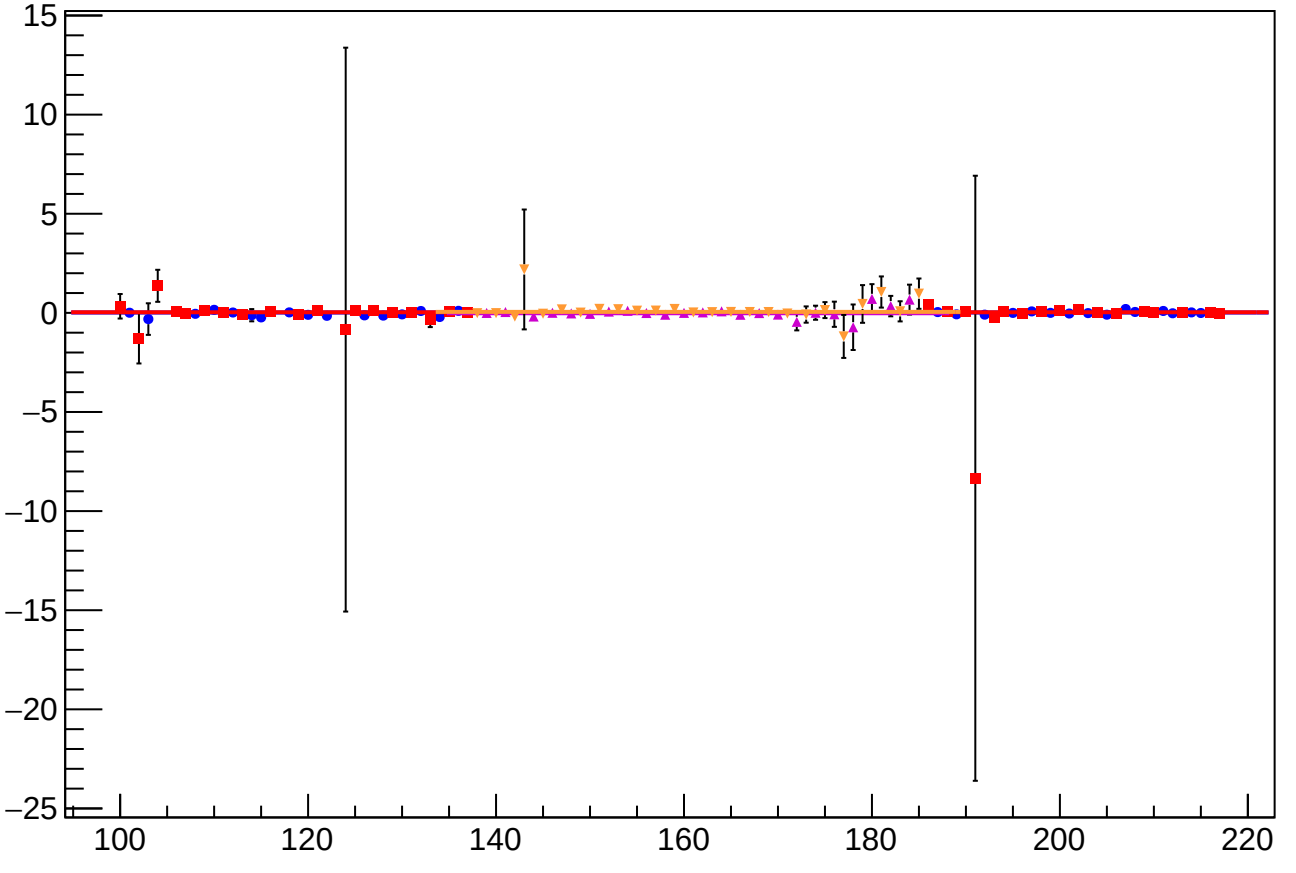
Right: 61.878+/-0.008 χ^2/NDF: 12005828.8/66

In: 61.254+/-0.008 χ^2/NDF:14894384.7/53

Out: 58.865+/-0.008 χ^2/NDF:19760082.0/60

All: 60.031+/-0.006 χ^2/NDF: 34696417.1/114

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: 0.030+/-0.016 χ^2/NDF: 27.2/35

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

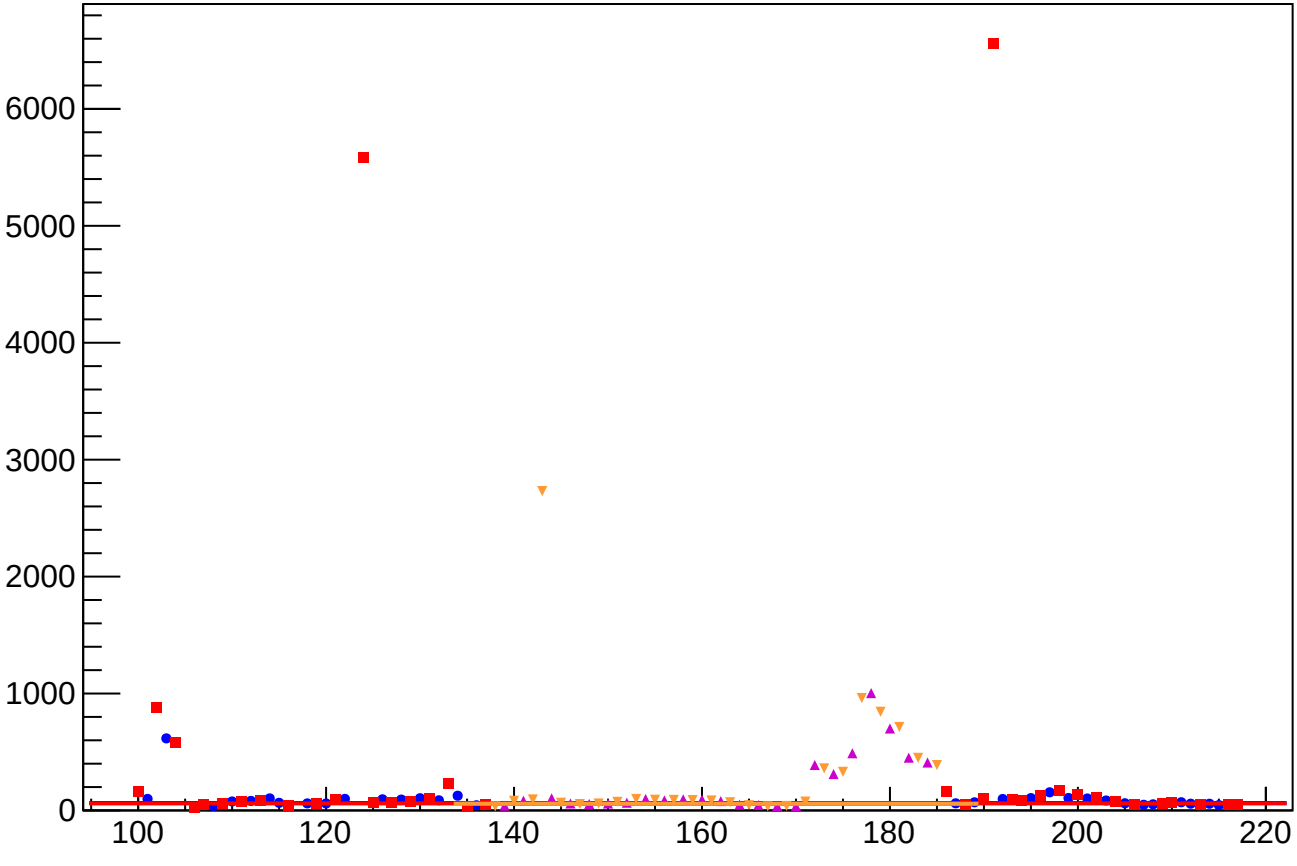
Right: 0.024+/-0.011 χ^2/NDF: 58.1/66

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.039+/-0.012 χ^2/NDF:52.4/60

All: 0.020+/-0.008 χ^2/NDF: 106.4/114

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: 60.222+/-0.011 χ^2/NDF: 7405258.9/35

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

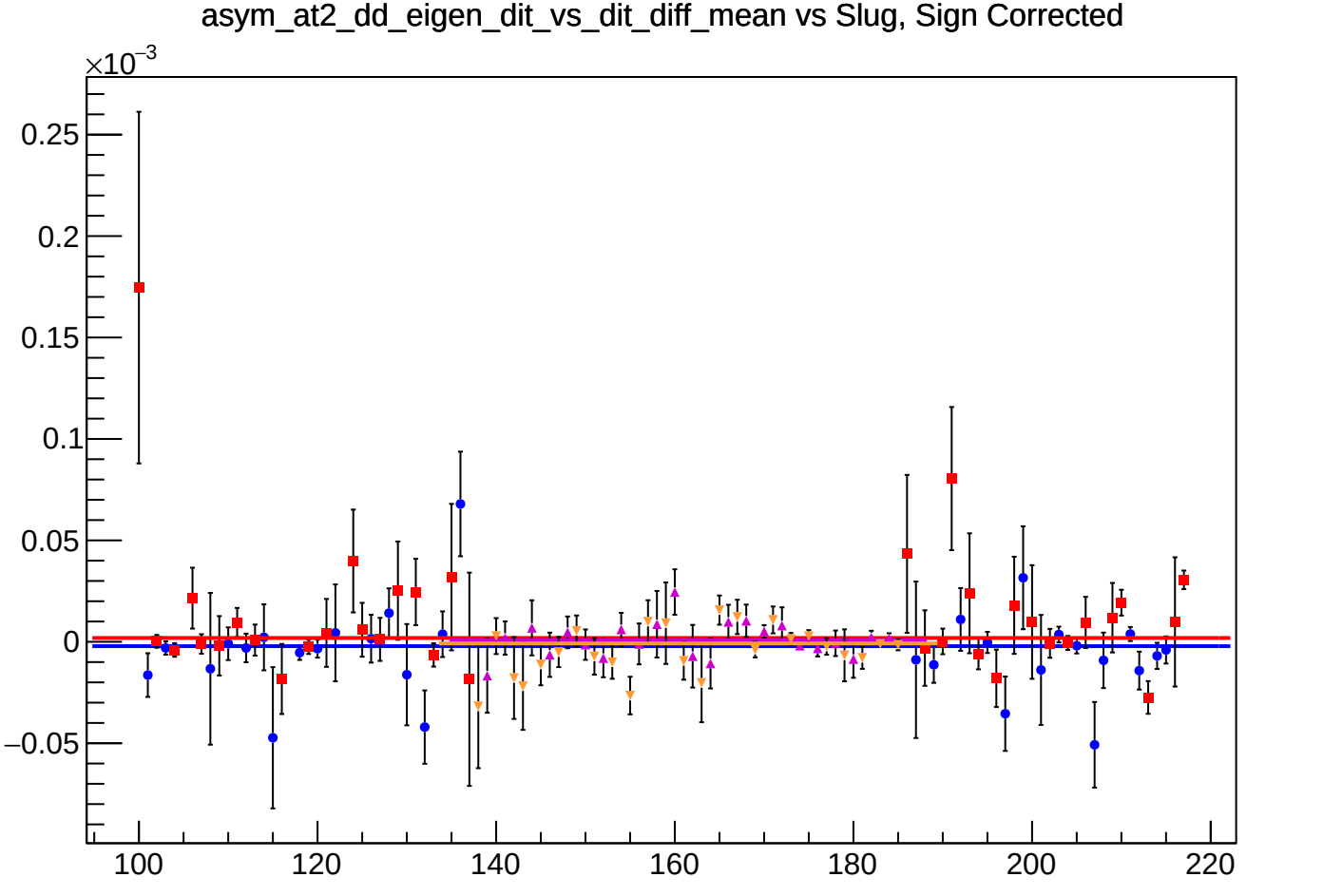
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 61.878+/-0.008 χ^2/NDF: 12005828.8/66

In: 61.254+/-0.008 χ^2/NDF:14894384.7/53

Out: 58.865+/-0.008 χ^2/NDF:19760082.0/60

All: 60.031+/-0.006 χ^2/NDF: 34696417.1/114



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: 93.7/35

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

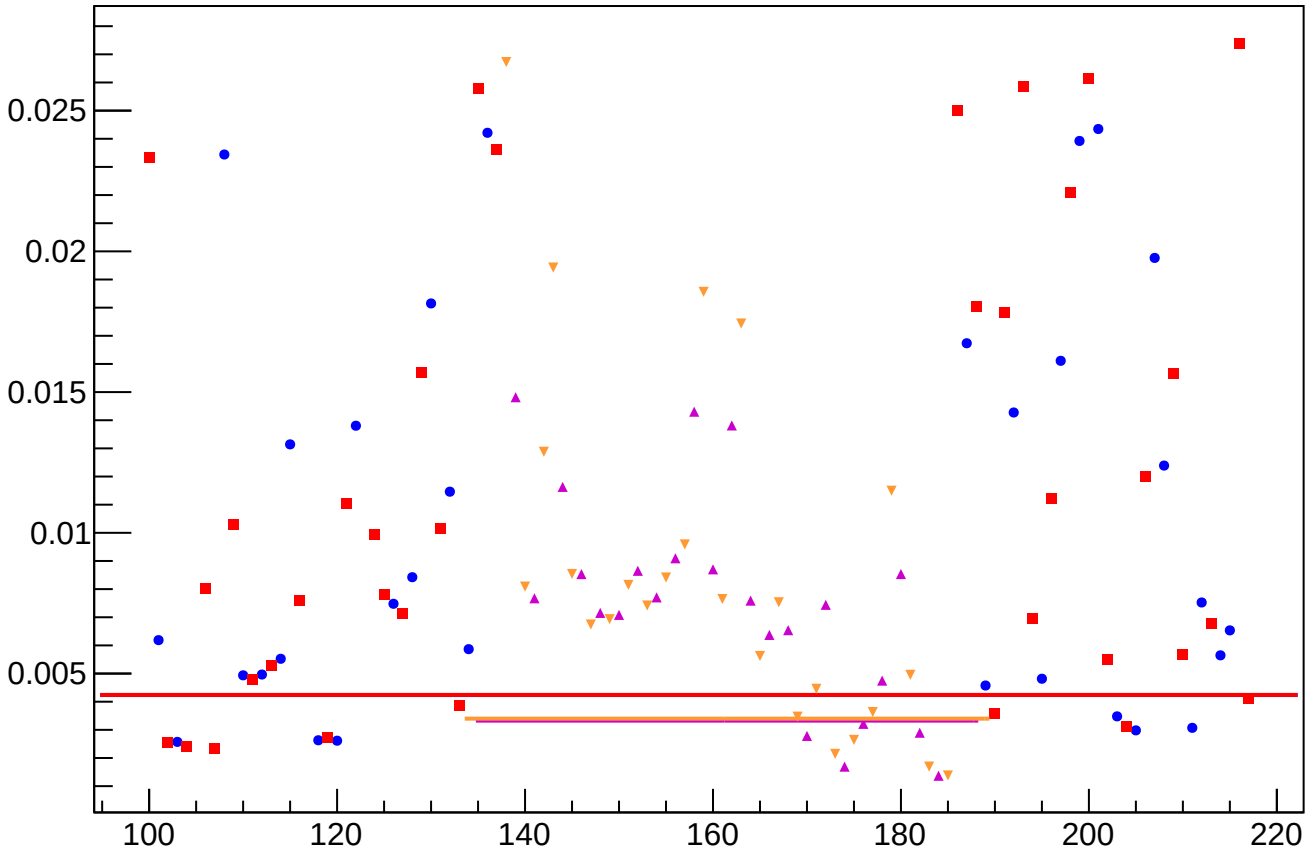
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 138.7/66

In: -0.000+/-0.000 χ^2/NDF:61.5/53

Out: 0.000+/-0.000 χ^2/NDF:129.3/60

All: -0.000+/-0.000 χ^2/NDF: 191.4/114



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: 14410135.4/35

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

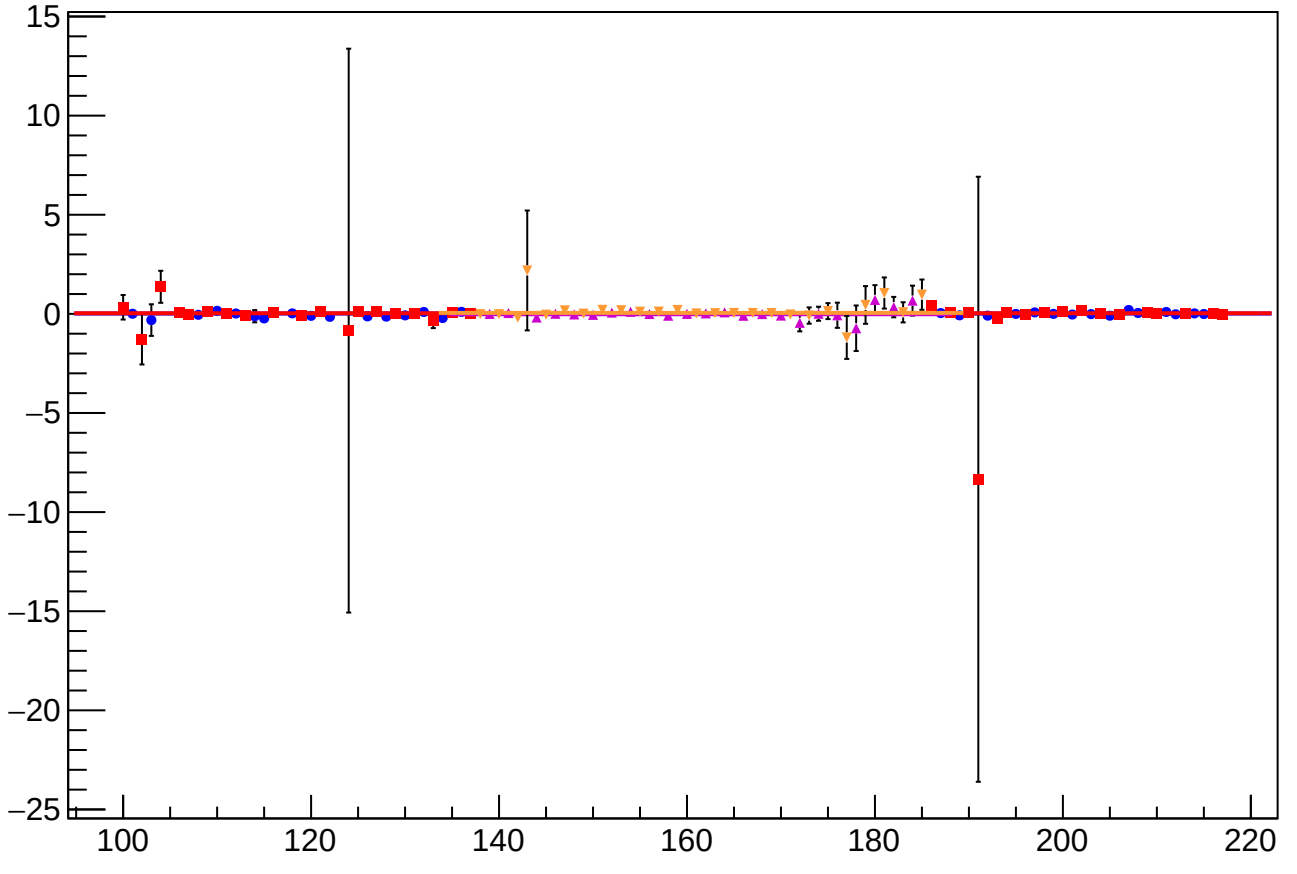
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 26376053.2/66

In: 0.004+/-0.000 χ^2/NDF:25158307.4/53

Out: 0.004+/-0.000 χ^2/NDF:29222312.6/60

All: 0.004+/-0.000 χ^2/NDF: 54383796.3/114



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: 0.030+/-0.016 χ^2/NDF: 27.2/35

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

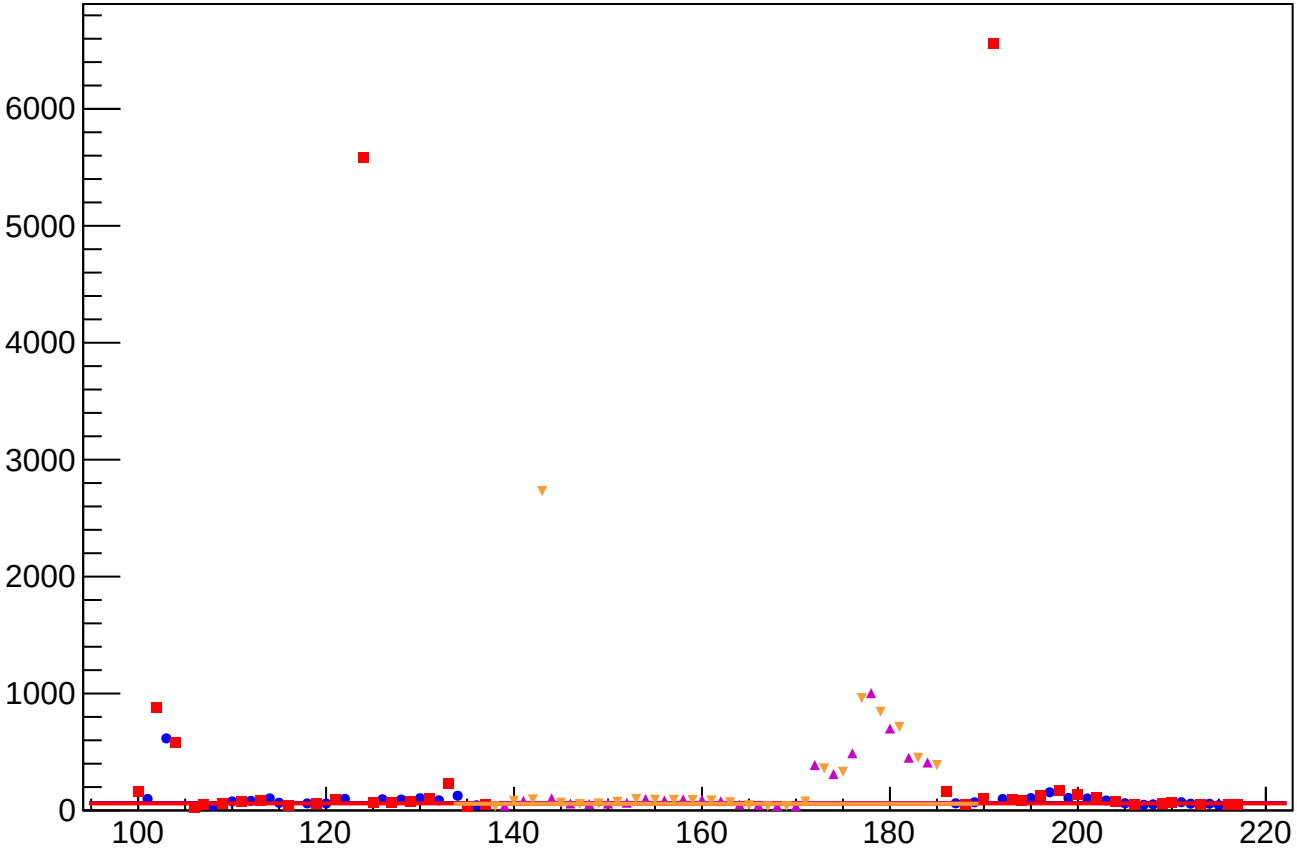
Right: 0.024+/-0.011 χ^2/NDF: 58.2/66

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.039+/-0.012 χ^2/NDF:52.4/60

All: 0.020+/-0.008 χ^2/NDF: 106.4/114

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: 60.220+/-0.011 χ^2/NDF: 7406074.8/35

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

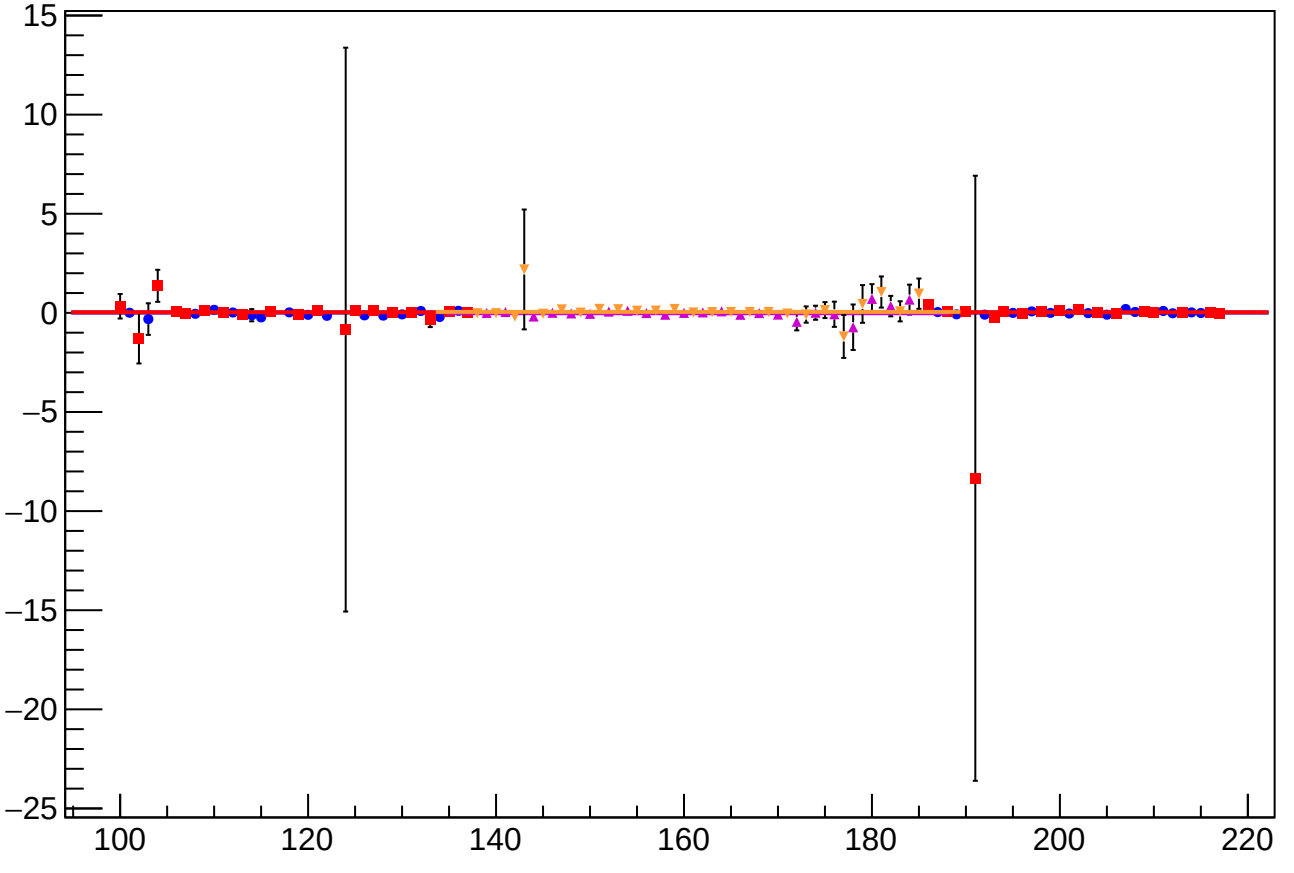
Right: 61.878+/-0.008 χ^2/NDF: 12005942.5/66

In: 61.256+/-0.008 χ^2/NDF:14893054.9/53

Out: 58.863+/-0.008 χ^2/NDF:19760624.5/60

All: 60.031+/-0.006 χ^2/NDF: 34695767.2/114

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: 0.030+/-0.016 χ^2/NDF: 27.2/35

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

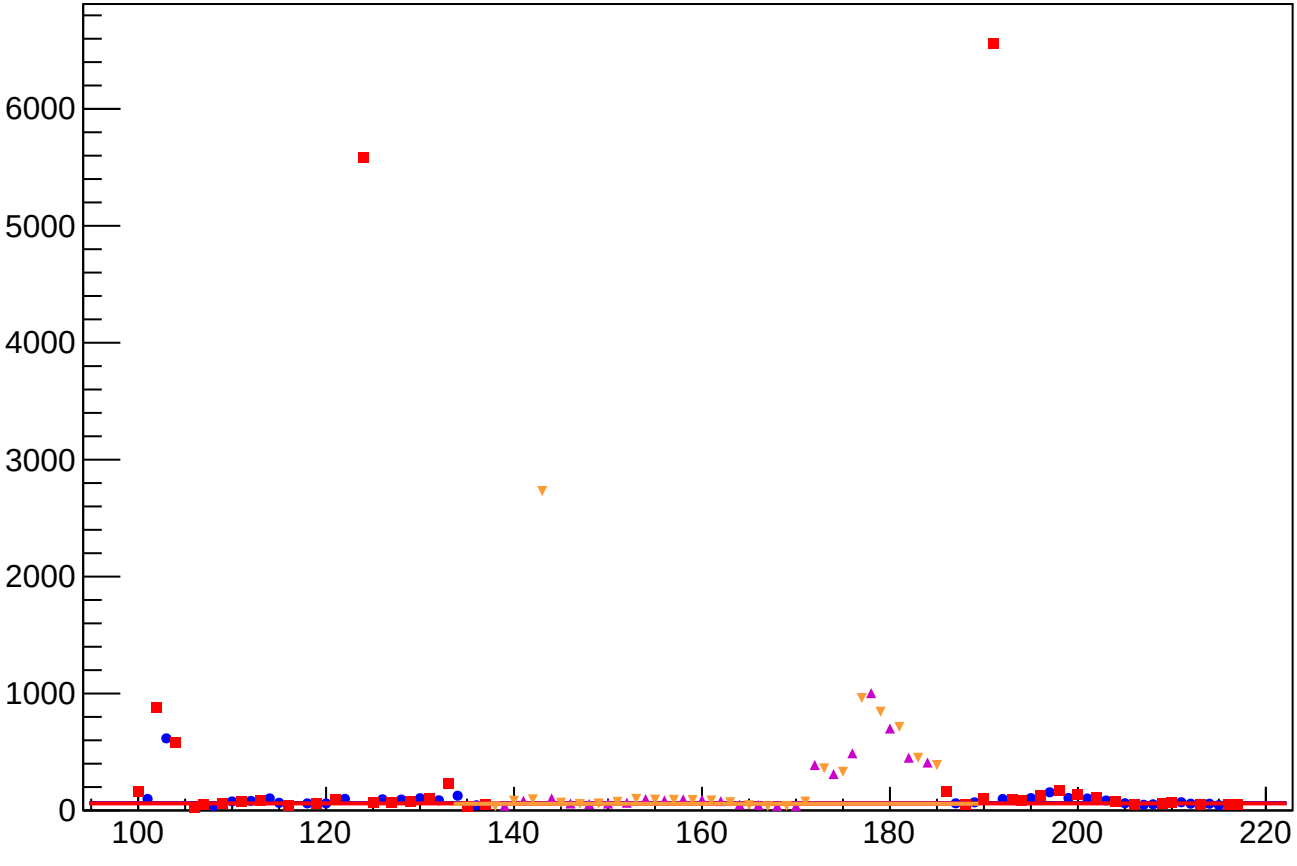
Right: 0.024+/-0.011 χ^2/NDF: 58.2/66

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.039+/-0.012 χ^2/NDF:52.4/60

All: 0.020+/-0.008 χ^2/NDF: 106.4/114

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: 60.220+/-0.011 χ^2/NDF: 7406074.8/35

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

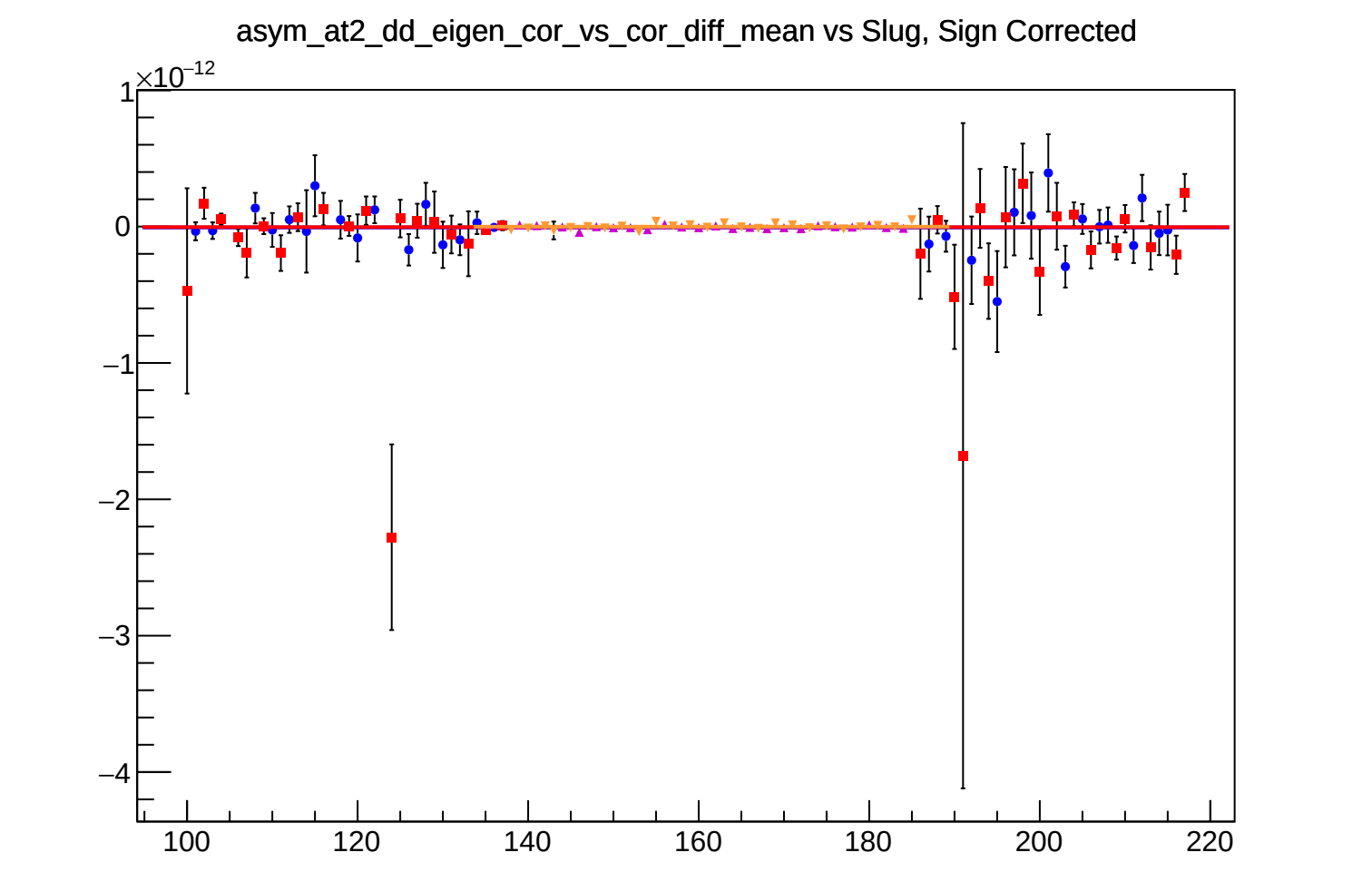
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 61.878+/-0.008 χ^2/NDF: 12005942.5/66

In: 61.256+/-0.008 χ^2/NDF:14893054.9/53

Out: 58.863+/-0.008 χ^2/NDF:19760624.5/60

All: 60.031+/-0.006 χ^2/NDF: 34695767.2/114



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: 45.5/35

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

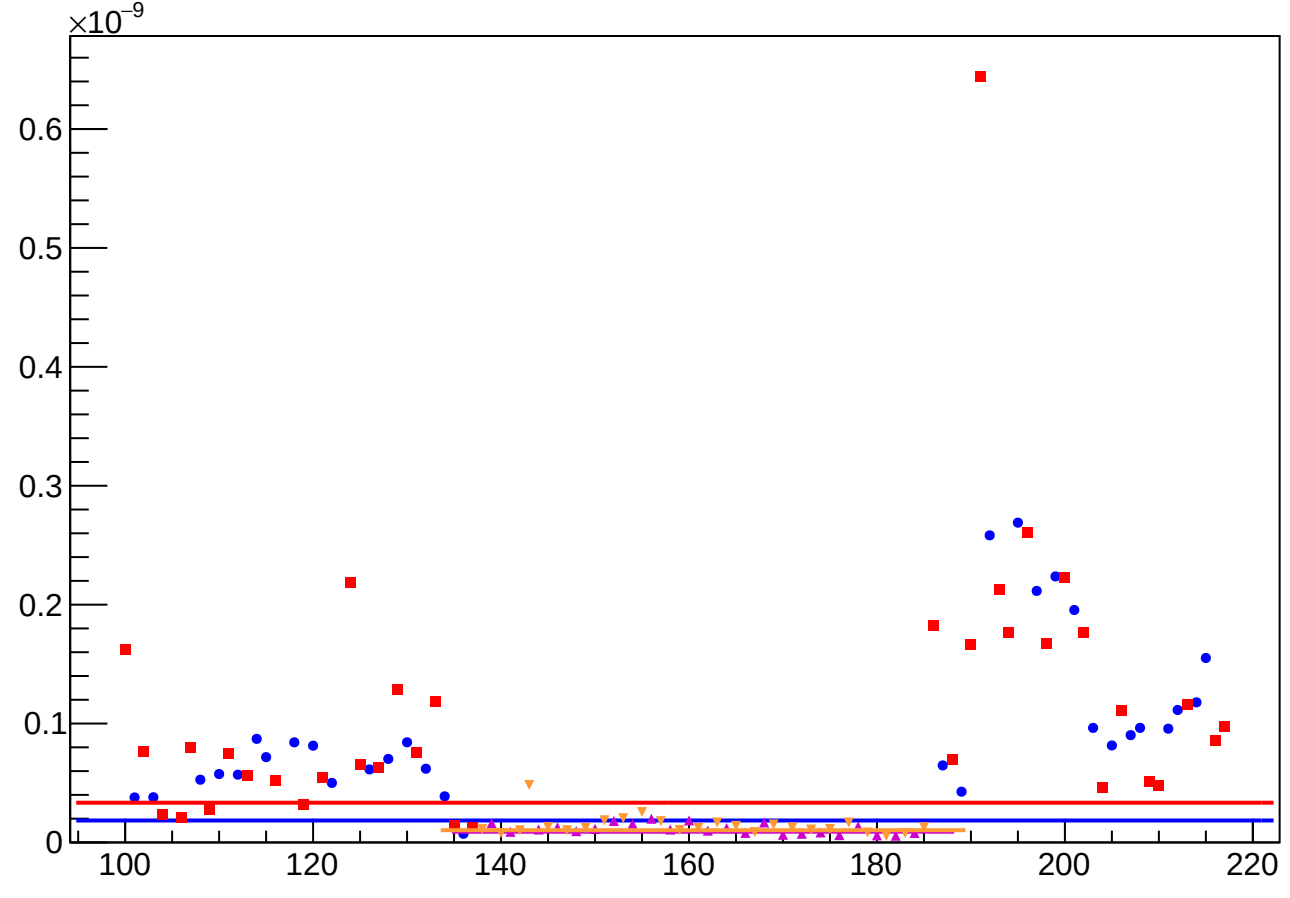
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 68.6/66

In: -0.000+/-0.000 χ^2/NDF:38.6/53

Out: -0.000+/-0.000 χ^2/NDF:64.4/60

All: -0.000+/-0.000 χ^2/NDF: 103.4/114



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: 11191002.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

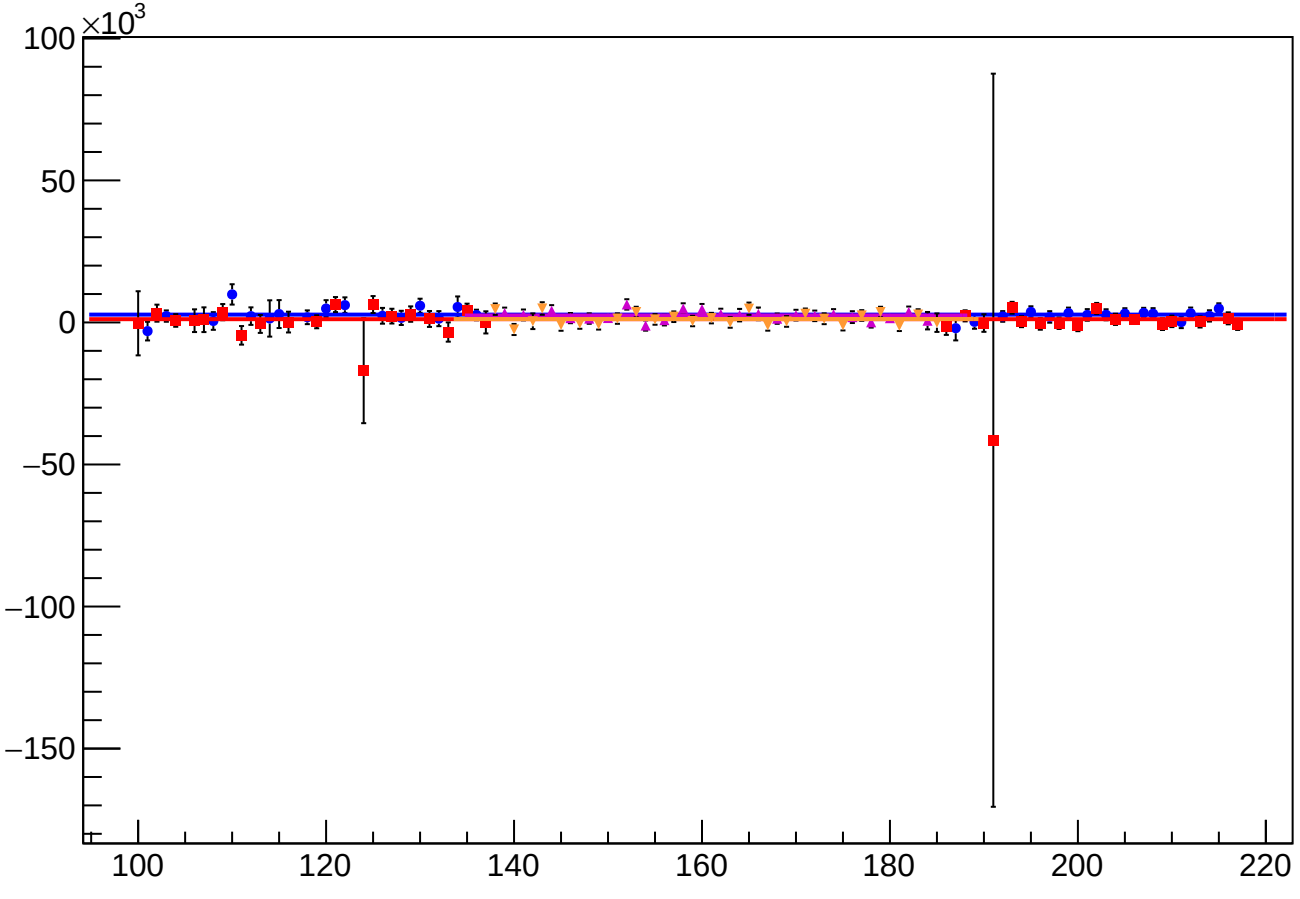
Right: 0.000+/-0.000 χ^2/NDF: 28537834.1/66

In: 0.000+/-0.000 χ^2/NDF:20523850.8/53

Out: 0.000+/-0.000 χ^2/NDF:20109096.6/60

All: 0.000+/-0.000 χ^2/NDF: 40956589.2/114

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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: 1149.123+/-413.980 χ^2/NDF: 30.1/35

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

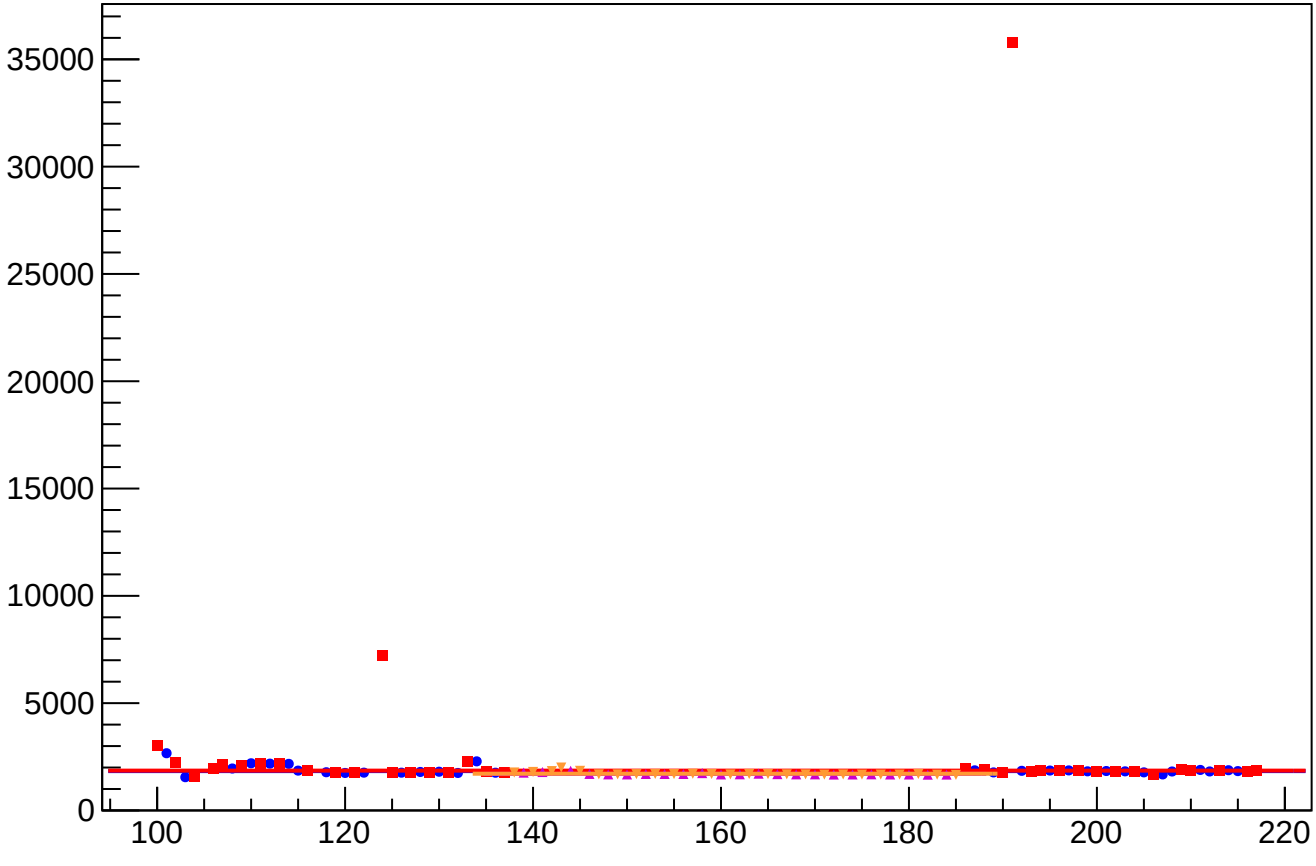
Right: 1942.083+/-294.410 χ^2/NDF: 56.1/66

In: 2588.264+/-288.483 χ^2/NDF:36.3/53

Out: 1177.409+/-283.537 χ^2/NDF:56.4/60

All: 1870.638+/-202.217 χ^2/NDF: 104.9/114

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1833.209+/-0.296 χ^2/NDF: 286914.8/30

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.052+/-0.292 χ^2/NDF: 543998.3/35

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

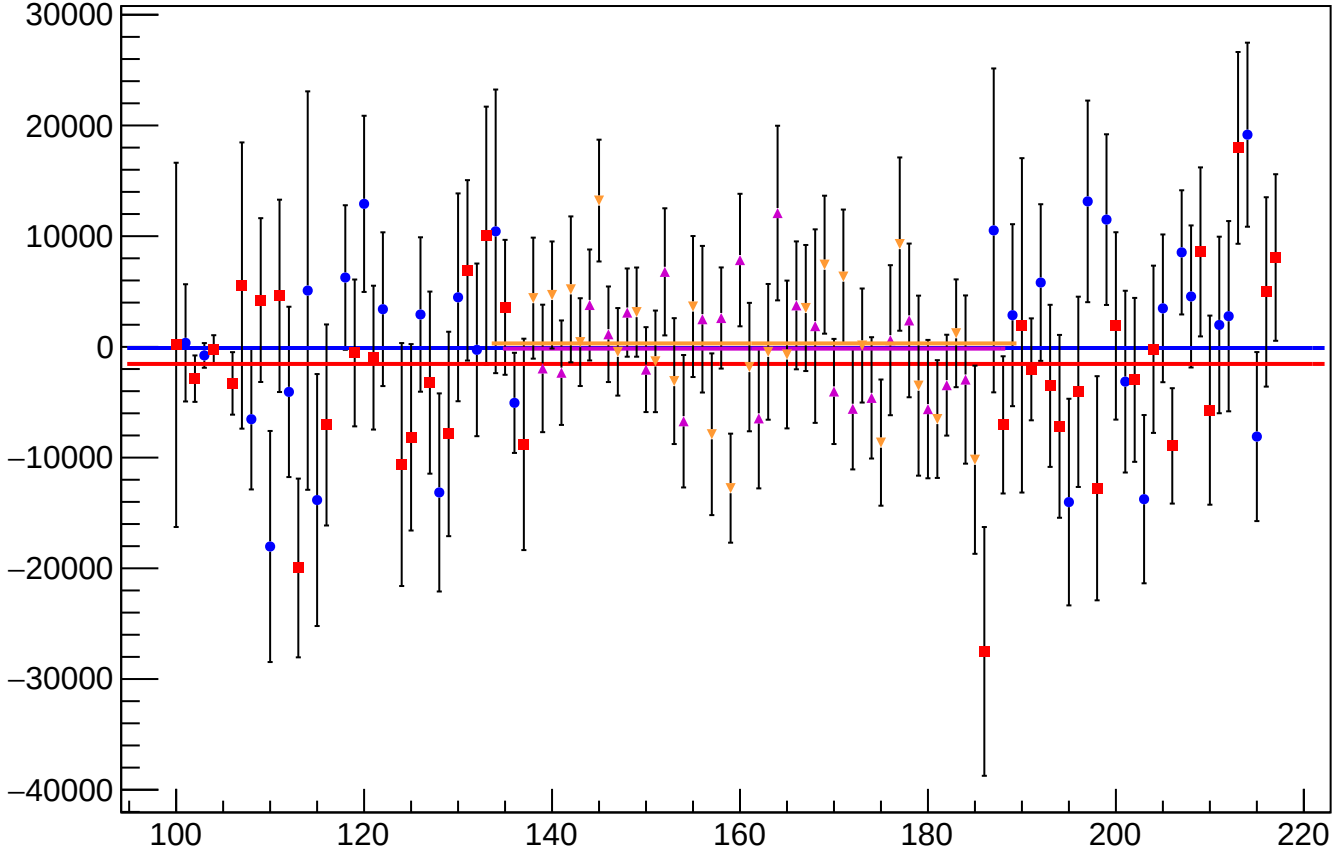
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.771+/-0.208 χ^2/NDF: 833925.2/66

In: 1765.298+/-0.204 χ^2/NDF:409574.6/53

Out: 1779.513+/-0.200 χ^2/NDF:733141.6/60

All: 1772.531+/-0.143 χ^2/NDF: 1145187.1/11



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: -1539.660+/-817.515 χ^2/NDF: 33.6/35

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

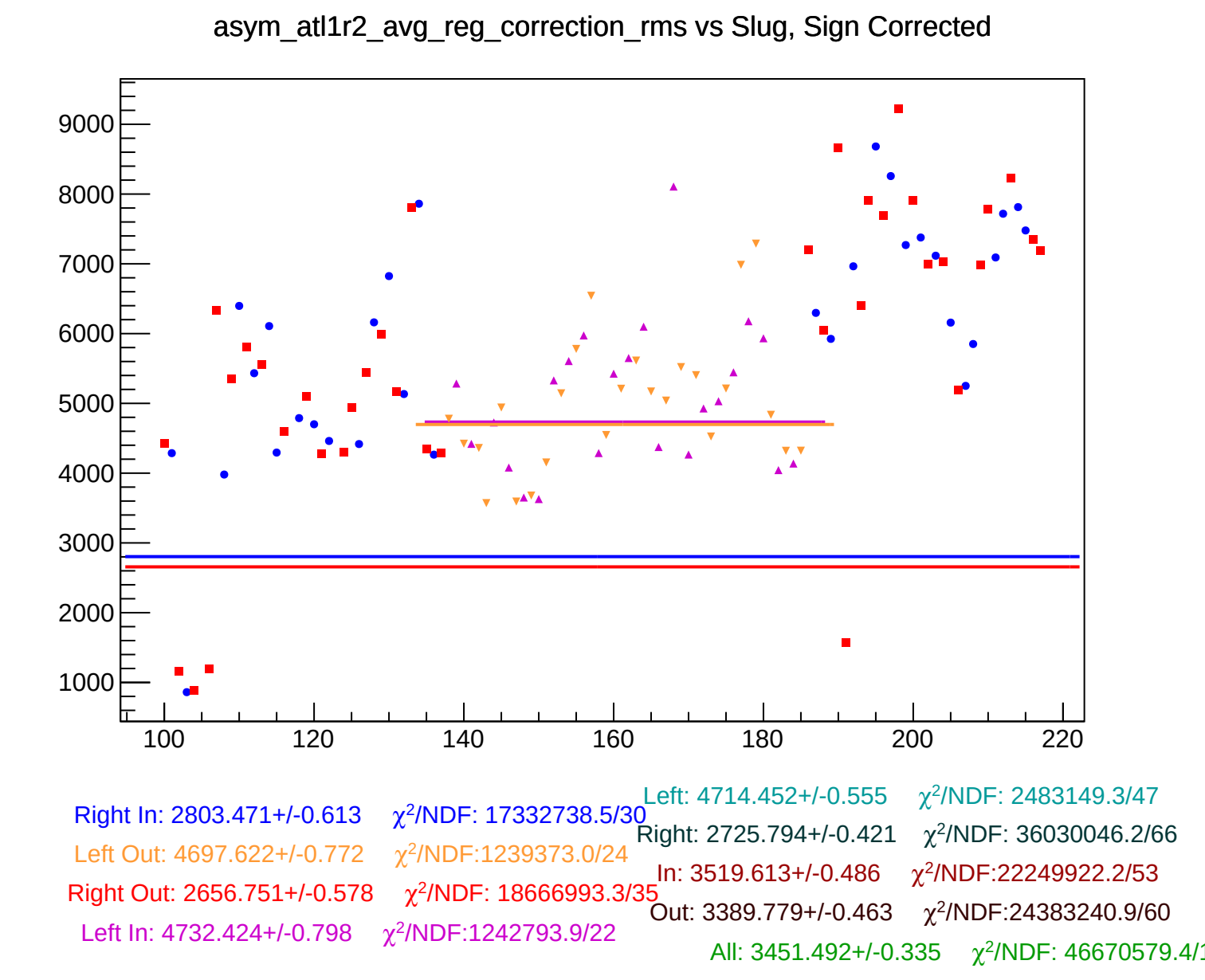
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

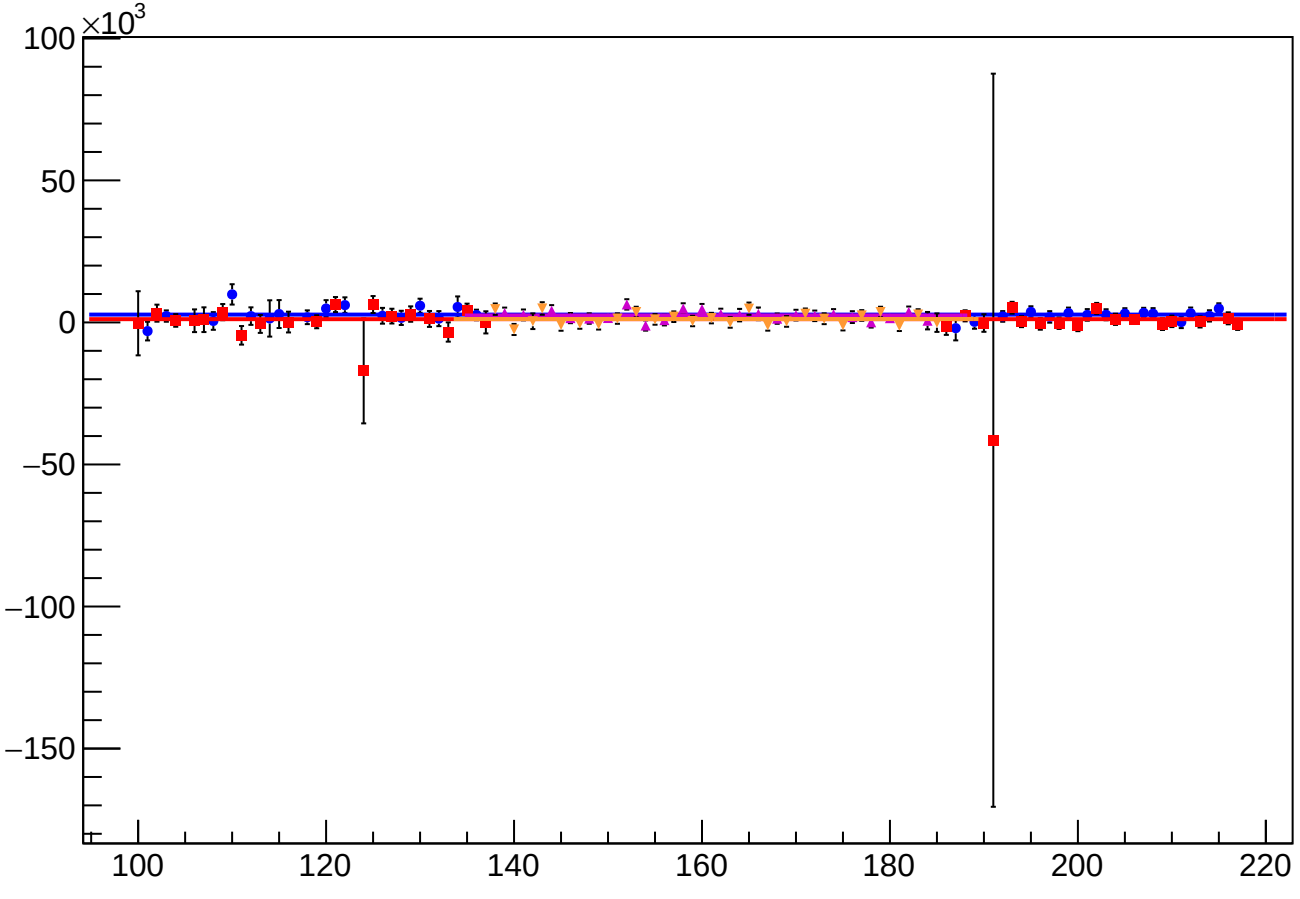
Right: -862.232+/-594.837 χ^2/NDF: 70.7/66

In: -121.577+/-687.572 χ^2/NDF:50.3/53

Out: -873.854+/-654.434 χ^2/NDF:62.5/60

All: -516.280+/-474.037 χ^2/NDF: 113.5/114


asym_atl1r2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2803.471+/-0.613 χ²/NDF: 17332738.5/30
Left Out: 4697.622+/-0.772 χ²/NDF:1239373.0/24
Right Out: 2656.751+/-0.578 χ²/NDF: 18666993.3/35
Left In: 4732.424+/-0.798 χ²/NDF:1242793.9/22
Left: 4714.452+/-0.555 χ²/NDF: 2483149.3/47
Right: 2725.794+/-0.421 χ²/NDF: 36030046.2/66
In: 3519.613+/-0.486 χ²/NDF:22249922.2/53
Out: 3389.779+/-0.463 χ²/NDF:24383240.9/60
All: 3451.492+/-0.335 χ²/NDF: 46670579.4/1



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: 1148.686+/-413.980 χ^2/NDF: 30.1/35

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

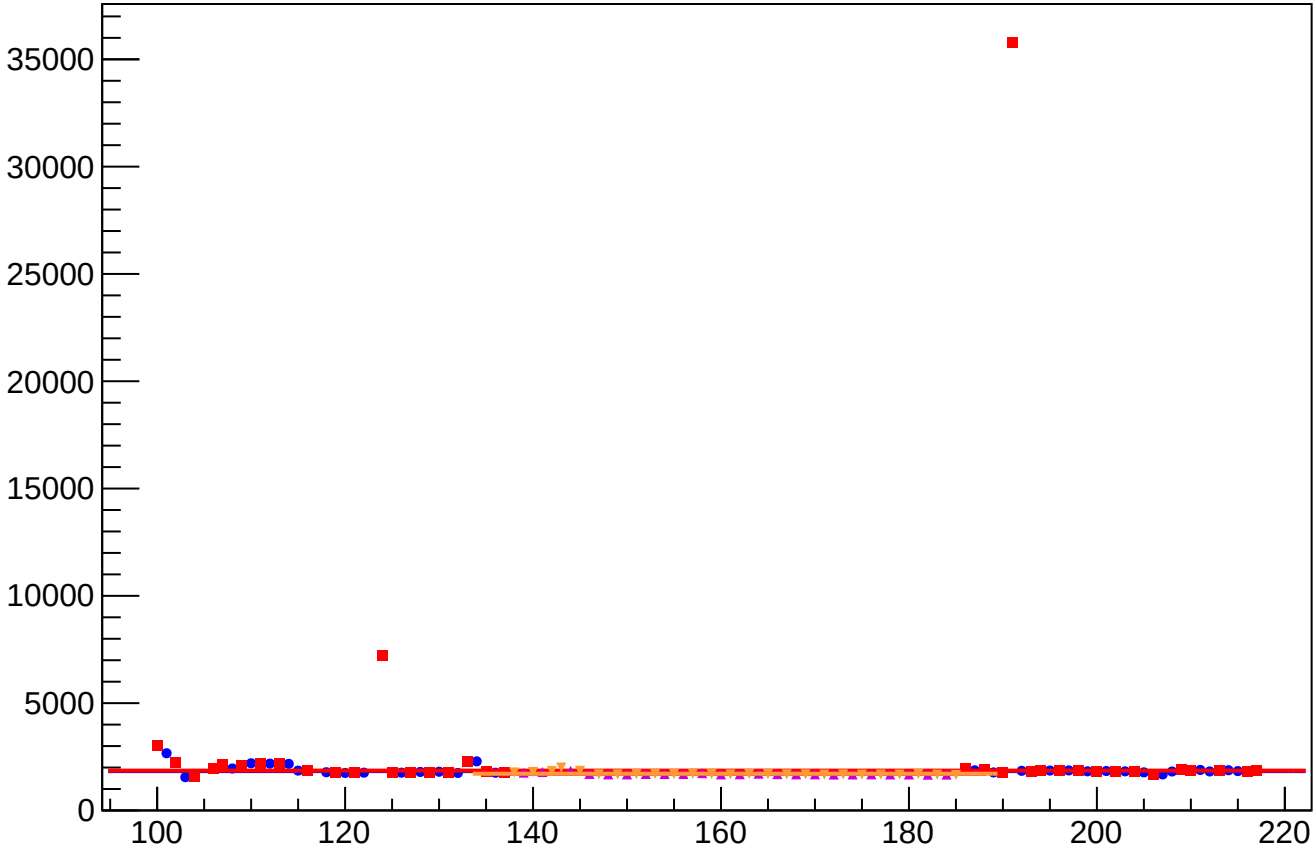
Right: 1941.919+/-294.411 χ^2/NDF: 56.1/66

In: 2588.283+/-288.483 χ^2/NDF:36.3/53

Out: 1177.152+/-283.537 χ^2/NDF:56.4/60

All: 1870.517+/-202.217 χ^2/NDF: 104.9/114

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1833.209+/-0.296 χ^2/NDF: 286914.7/30

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.204+/-0.293 χ^2/NDF: 544368.7/35

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

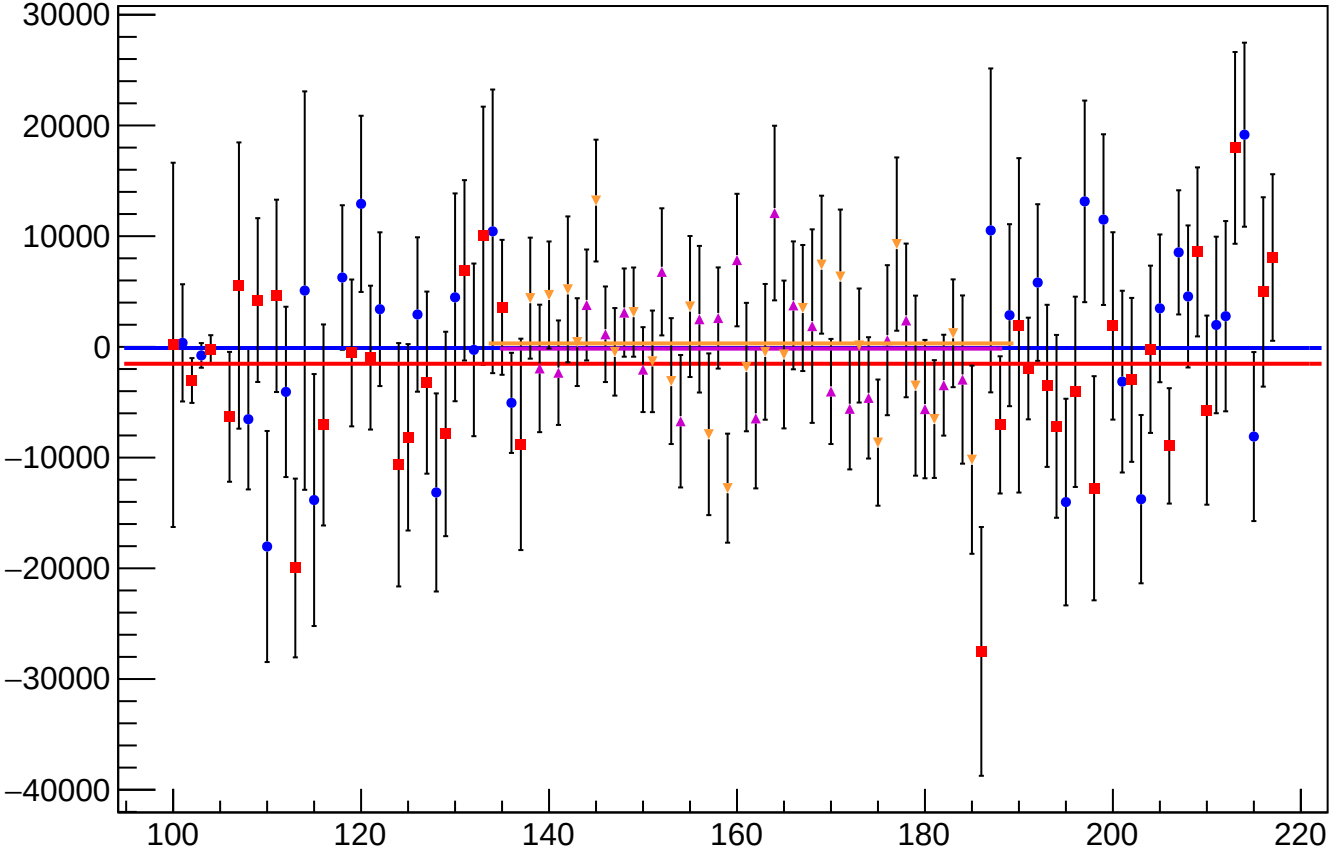
Right: 1844.848+/-0.208 χ^2/NDF: 834335.4/66

In: 1765.298+/-0.204 χ^2/NDF:409574.5/53

Out: 1779.579+/-0.200 χ^2/NDF:733773.5/60

All: 1772.564+/-0.143 χ^2/NDF: 1145841.7/11

asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected



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: -1523.562+/-840.120 χ^2/NDF: 34.1/35

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

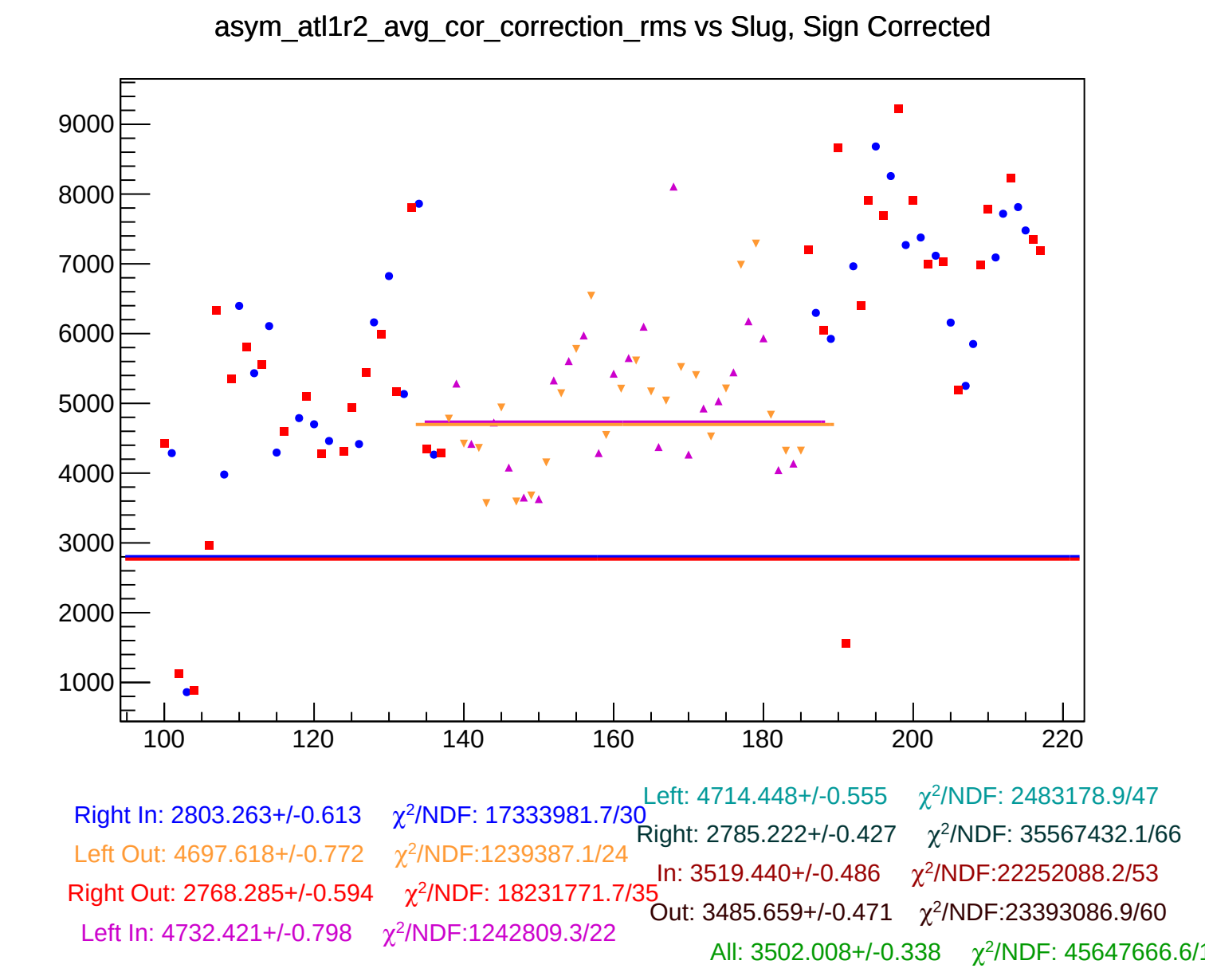
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

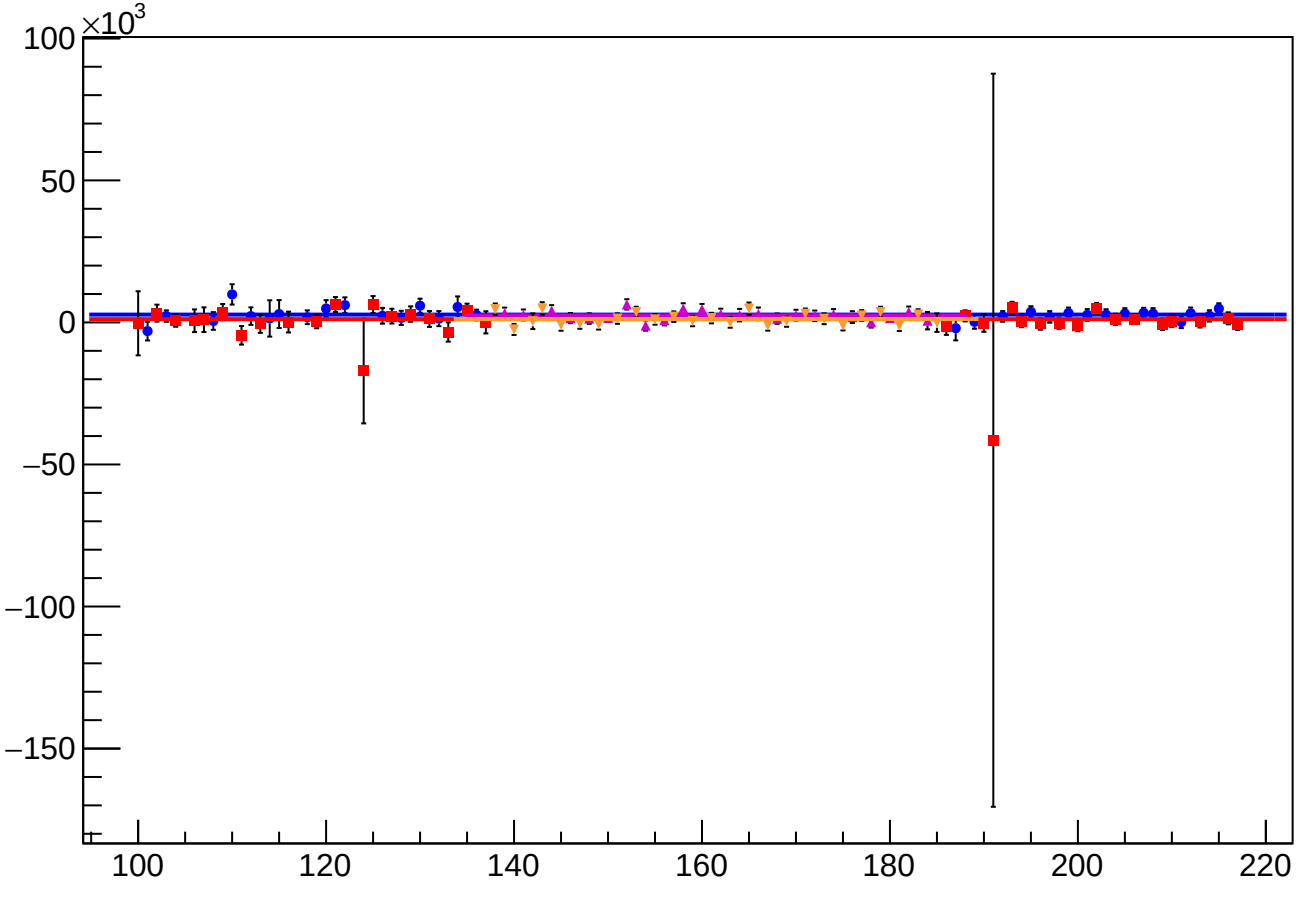
Right: -834.140+/-603.363 χ^2/NDF: 71.1/66

In: -121.365+/-687.553 χ^2/NDF:50.3/53

Out: -840.280+/-665.858 χ^2/NDF:62.9/60

All: -492.343+/-478.319 χ^2/NDF: 113.8/114


asym_atl1r2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2803.263+/-0.613 χ²/NDF: 17333981.7/30
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2768.285+/-0.594 χ²/NDF: 18231771.7/35
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2785.222+/-0.427 χ²/NDF: 35567432.1/66
In: 3519.440+/-0.486 χ²/NDF:22252088.2/53
Out: 3485.659+/-0.471 χ²/NDF:23393086.9/60
All: 3502.008+/-0.338 χ²/NDF: 45647666.6/1



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: 1148.686+/-413.980 χ^2/NDF: 30.1/35

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

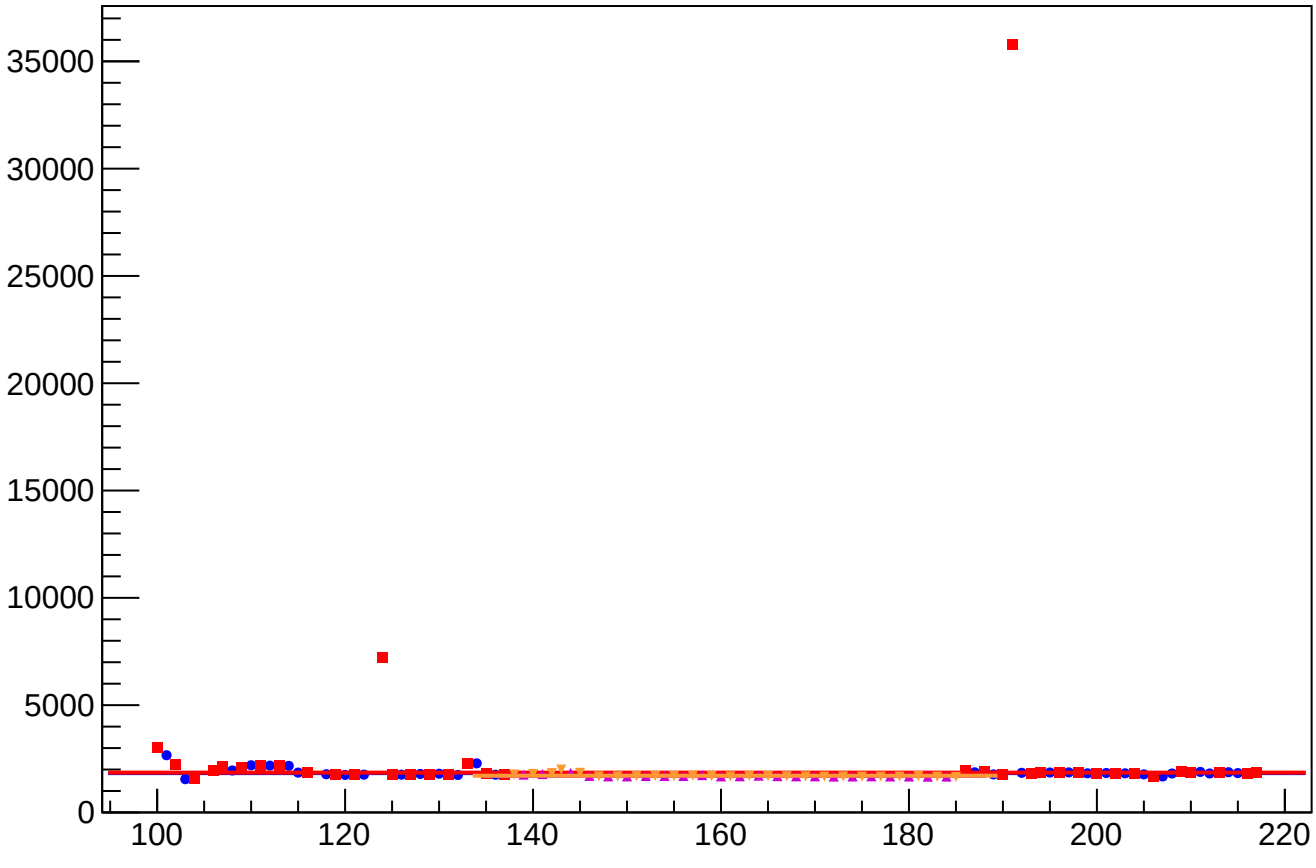
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1941.919+/-294.411 χ^2/NDF: 56.1/66

In: 2588.283+/-288.483 χ^2/NDF:36.3/53

Out: 1177.152+/-283.537 χ^2/NDF:56.4/60

All: 1870.517+/-202.217 χ^2/NDF: 104.9/114



Right In: 1833.209+/-0.296 χ^2/NDF: 286914.7/30

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.204+/-0.293 χ^2/NDF: 544368.7/35

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

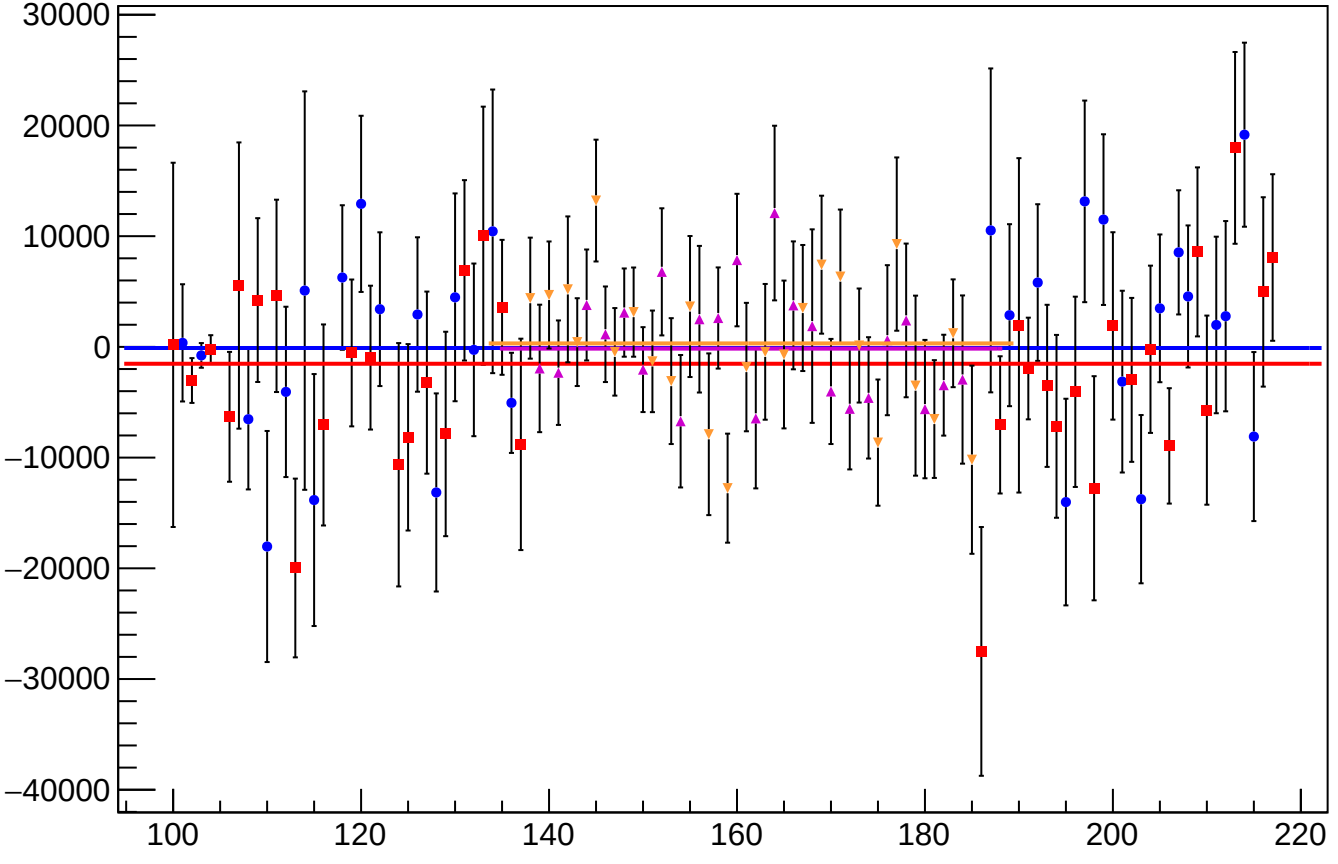
Right: 1844.848+/-0.208 χ^2/NDF: 834335.4/66

In: 1765.298+/-0.204 χ^2/NDF:409574.5/53

Out: 1779.579+/-0.200 χ^2/NDF:733773.5/60

All: 1772.564+/-0.143 χ^2/NDF: 1145841.7/11

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -1523.562+/-840.120 χ^2/NDF: 34.1/35

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

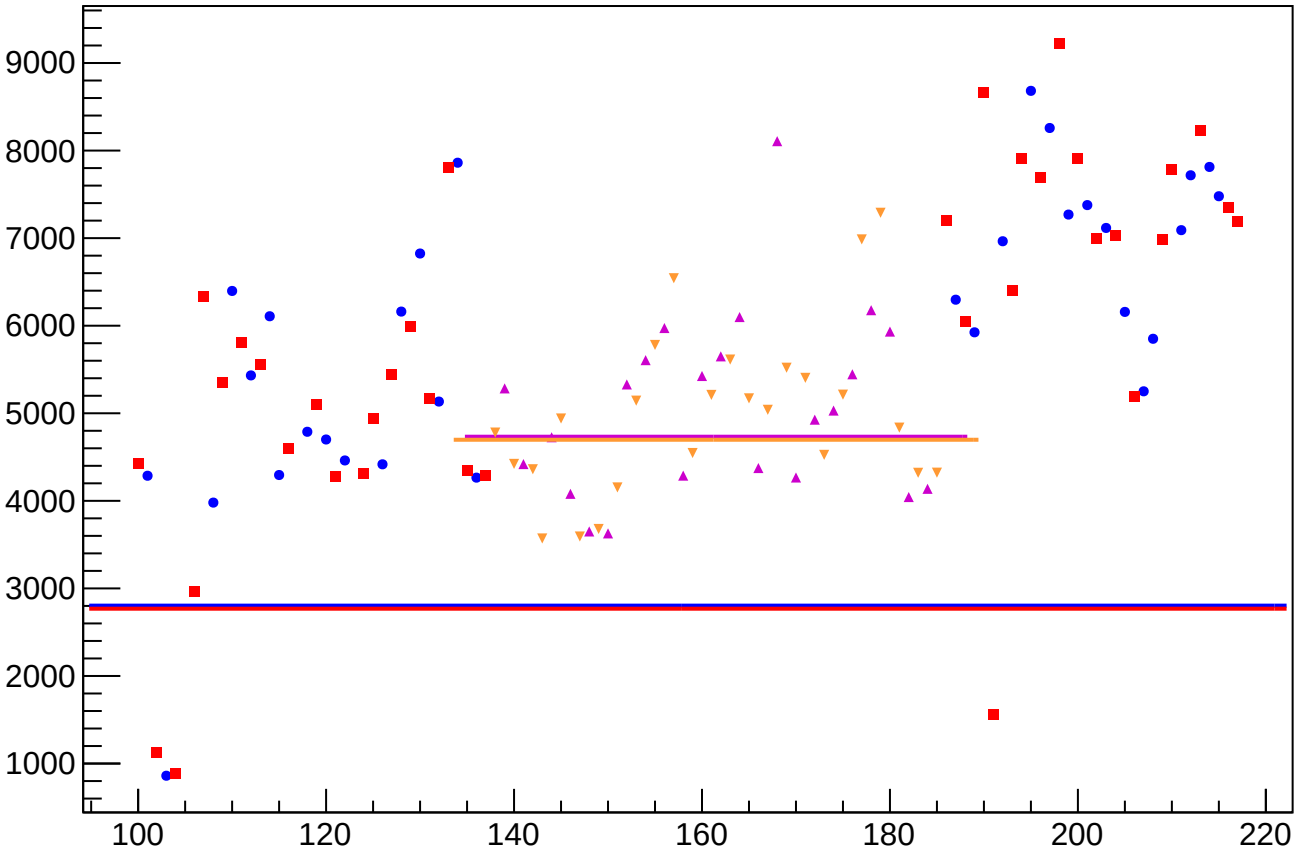
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -834.140+/-603.363 χ^2/NDF: 71.1/66

In: -121.365+/-687.553 χ^2/NDF:50.3/53

Out: -840.280+/-665.858 χ^2/NDF:62.9/60

All: -492.343+/-478.319 χ^2/NDF: 113.8/114



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: 2768.285+/-0.594 χ^2/NDF: 18231771.7/35

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

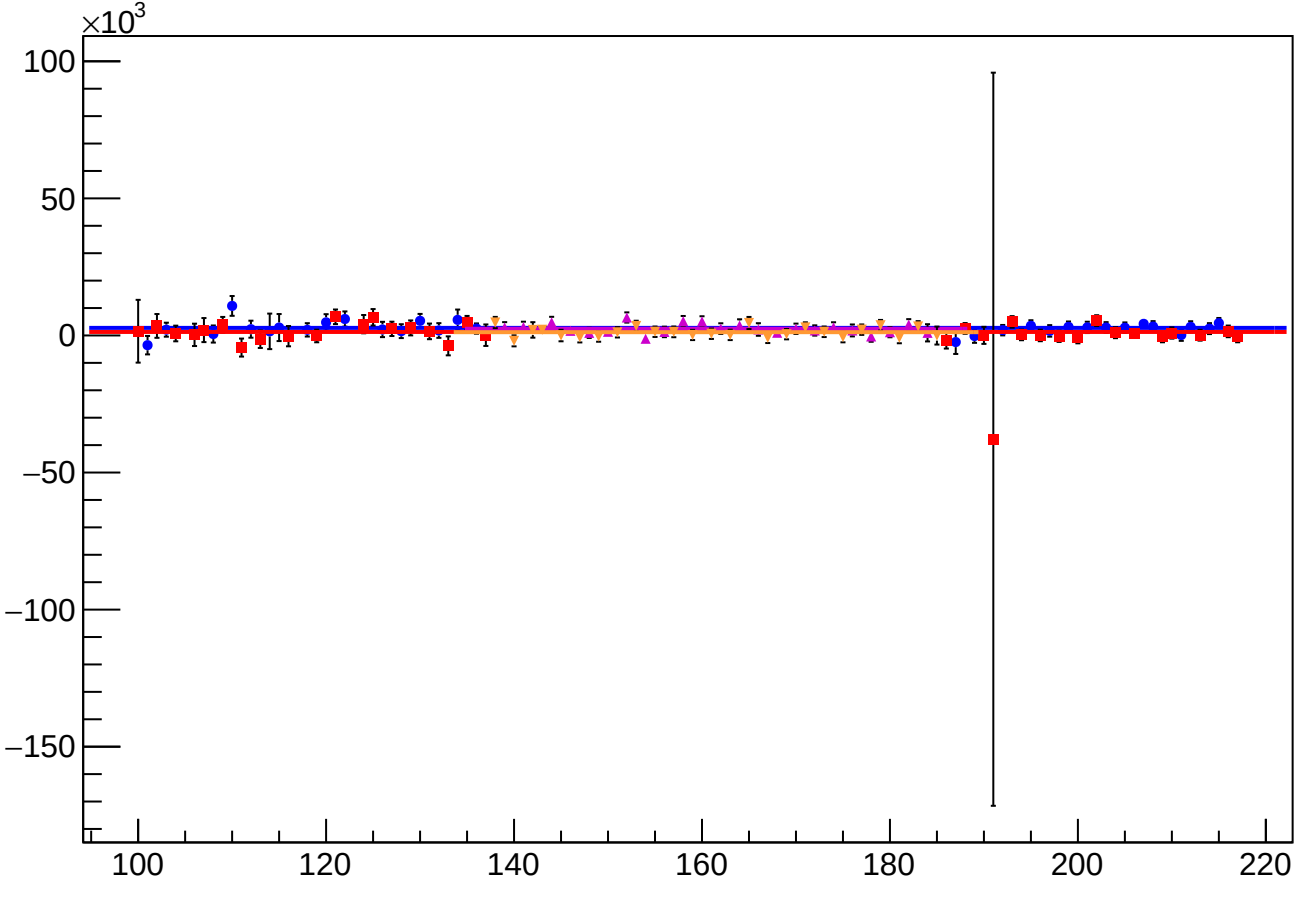
Right: 2785.222+/-0.427 χ^2/NDF: 35567432.1/66

In: 3519.440+/-0.486 χ^2/NDF:22252088.2/53

Out: 3485.659+/-0.471 χ^2/NDF:23393086.9/60

All: 3502.008+/-0.338 χ^2/NDF: 45647666.6/1

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2762.925+/-426.971 χ^2/NDF: 19.7/30

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1278.170+/-420.404 χ^2/NDF: 31.7/35

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

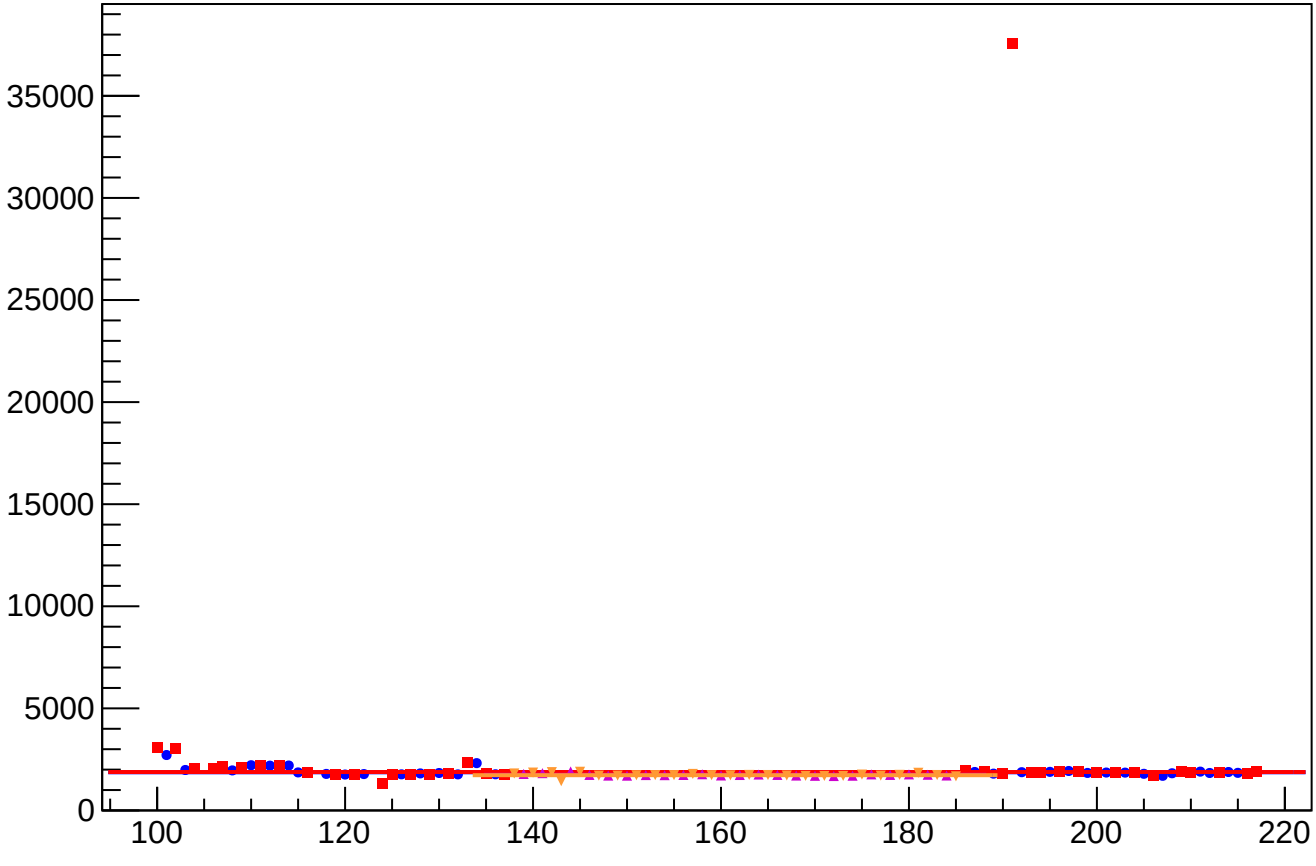
Right: 2009.043+/-299.565 χ^2/NDF: 57.5/66

In: 2592.938+/-294.809 χ^2/NDF:40.6/53

Out: 1235.044+/-287.085 χ^2/NDF:51.2/60

All: 1895.972+/-205.676 χ^2/NDF: 102.6/114

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: 1882.146+/-0.297 χ^2/NDF: 522318.1/35

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

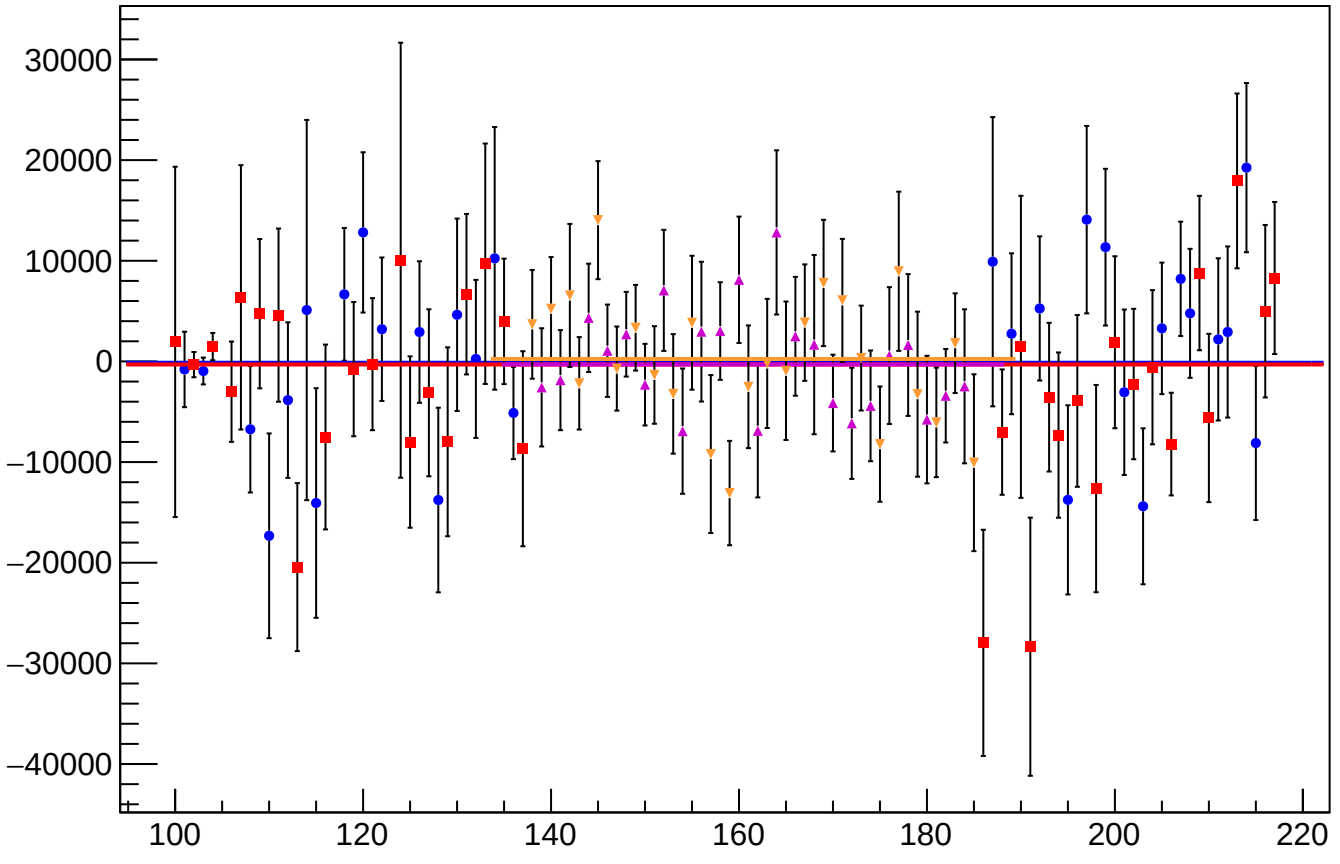
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1875.850+/-0.212 χ^2/NDF: 776379.3/66

In: 1804.092+/-0.208 χ^2/NDF:369240.1/53

Out: 1799.495+/-0.203 χ^2/NDF:777555.9/60

All: 1801.732+/-0.145 χ^2/NDF: 1147045.6/11



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: -303.598+/-768.010 χ^2/NDF: 39.0/35

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

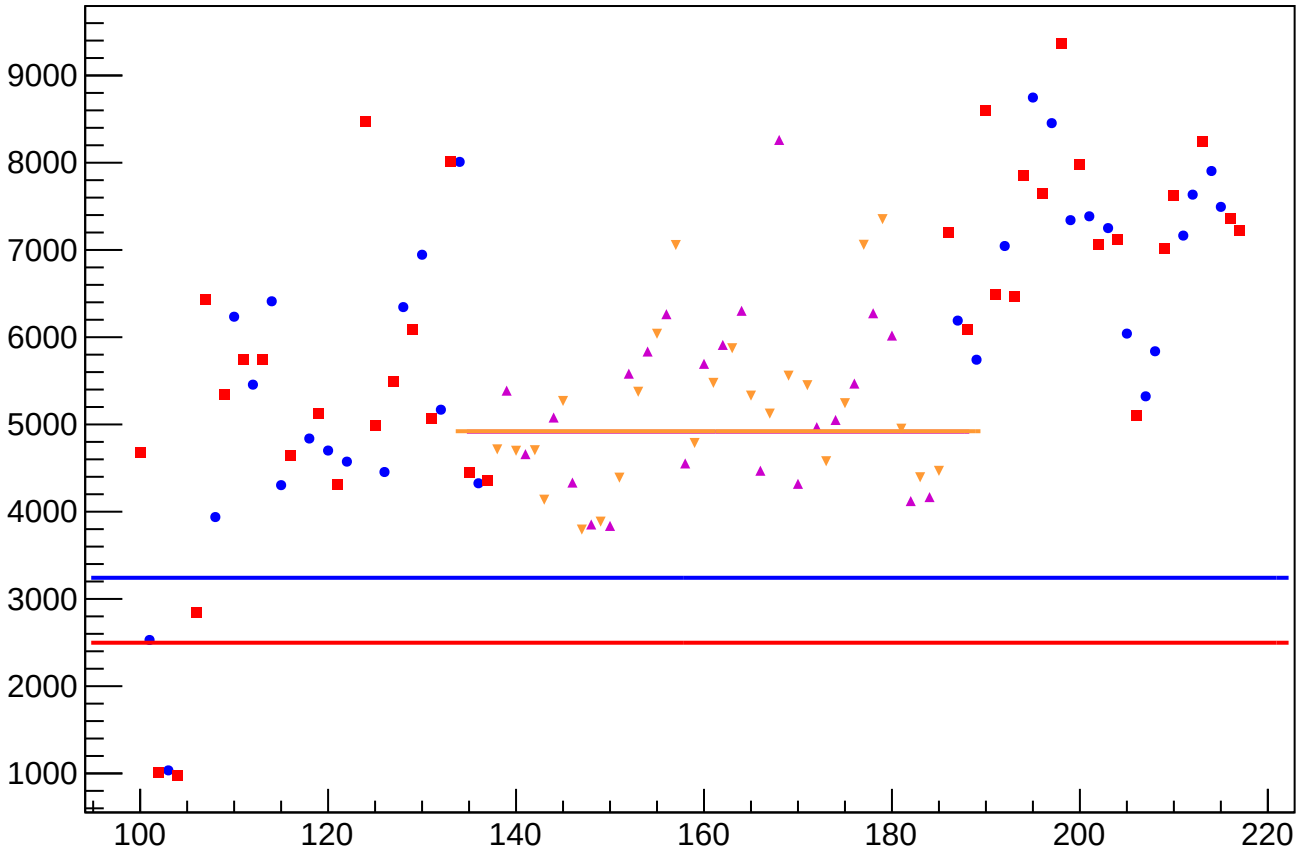
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -235.359+/-596.027 χ^2/NDF: 74.5/66

In: -200.688+/-735.453 χ^2/NDF:50.0/53

Out: -133.743+/-637.117 χ^2/NDF:65.9/60

All: -162.444+/-481.552 χ^2/NDF: 115.9/114



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: 2498.075+/-0.543 χ^2/NDF: 19949164.6/35

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

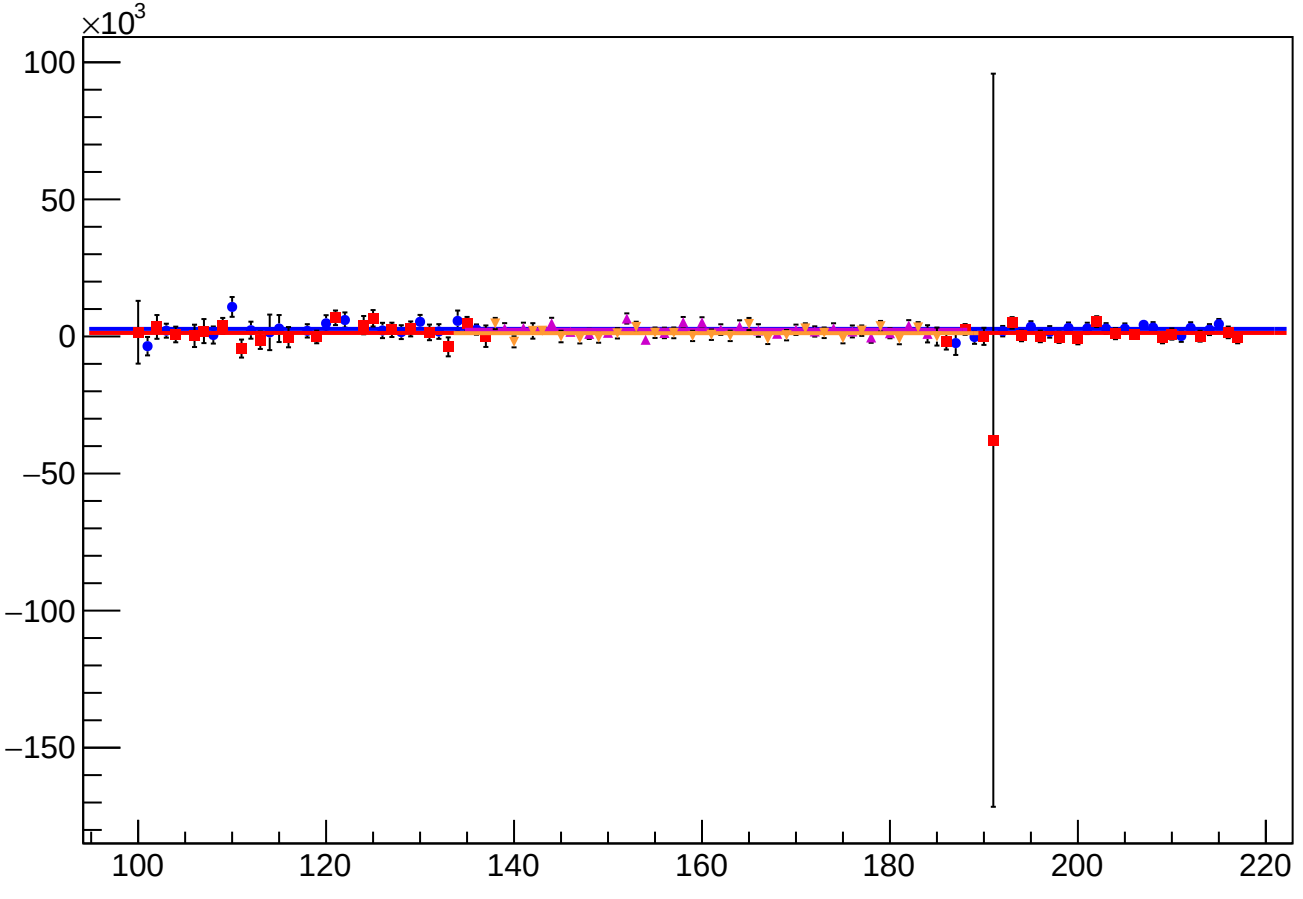
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2794.132+/-0.421 χ^2/NDF: 35010798.7/66

In: 3902.952+/-0.520 χ^2/NDF:17952487.4/53

Out: 3254.011+/-0.451 χ^2/NDF:27213528.0/60

All: 3532.226+/-0.341 χ^2/NDF: 46055581.4/1



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: 1278.173+/-420.404 χ^2/NDF: 31.7/35

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

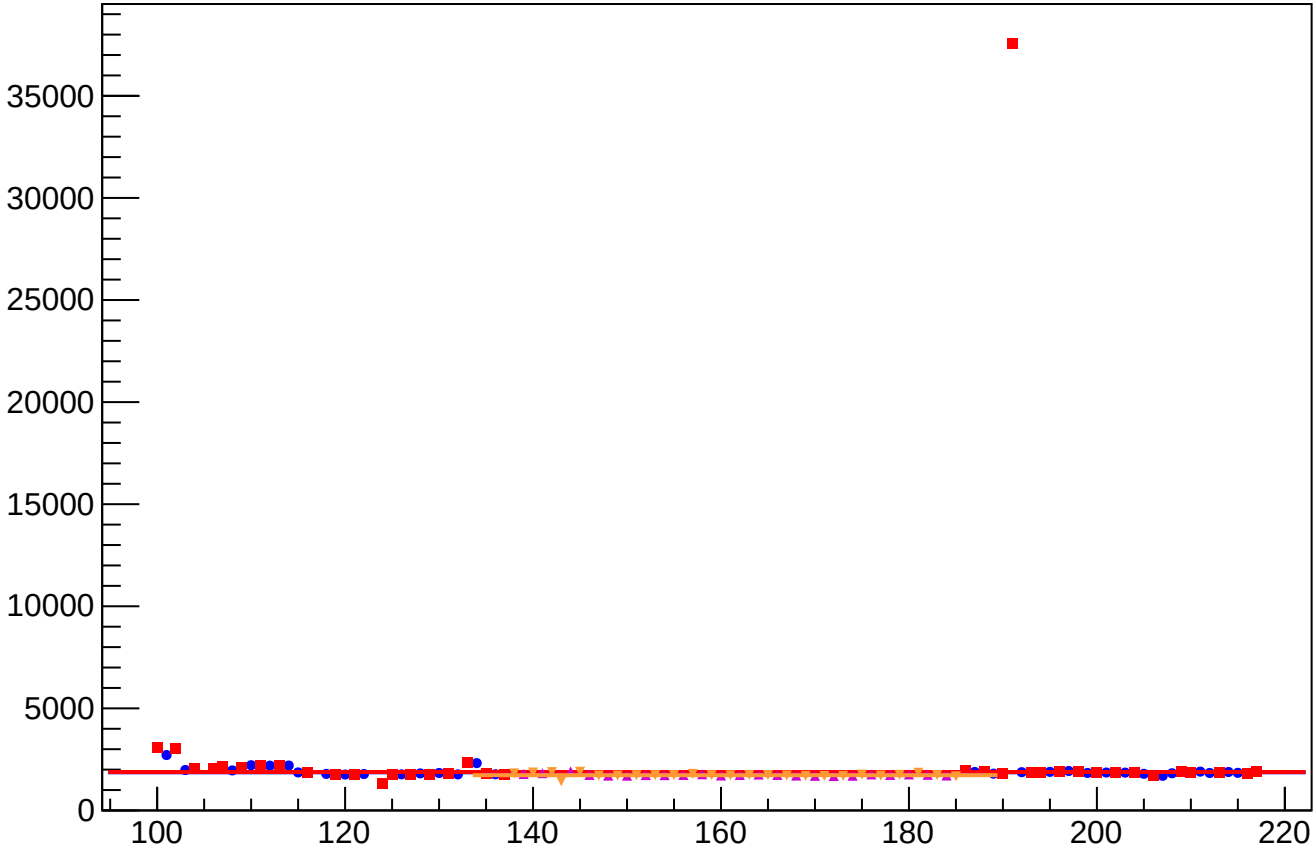
Right: 2009.042+/-299.565 χ^2/NDF: 57.5/66

In: 2592.936+/-294.809 χ^2/NDF:40.6/53

Out: 1235.043+/-287.085 χ^2/NDF:51.2/60

All: 1895.970+/-205.676 χ^2/NDF: 102.6/114

eigen_dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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: 1882.146+/-0.297 χ^2/NDF: 522316.9/35

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

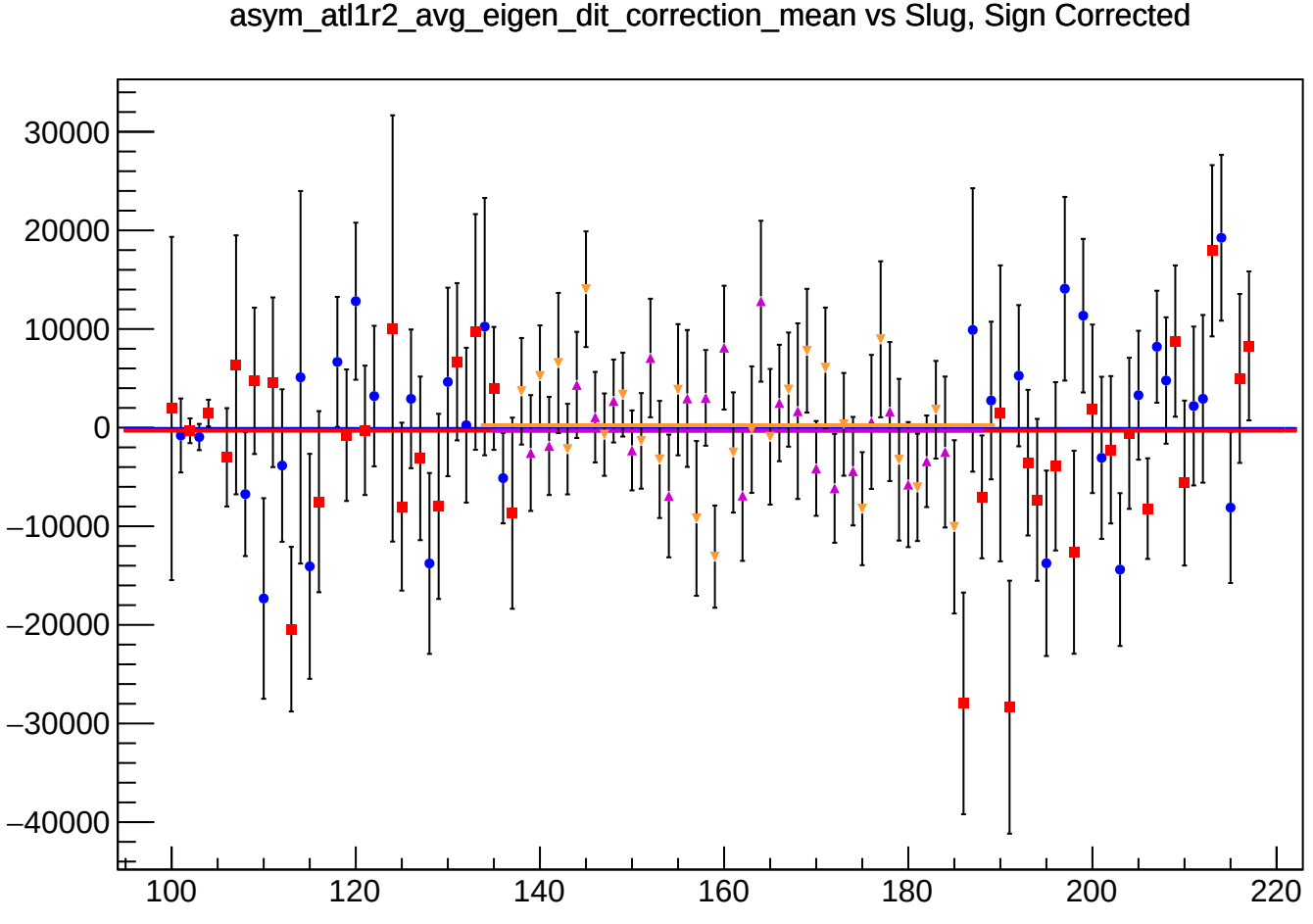
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

Right: 1875.850+/-0.212 χ^2/NDF: 776378.0/66

In: 1804.092+/-0.208 χ^2/NDF:369238.6/53

Out: 1799.496+/-0.203 χ^2/NDF:777551.8/60

All: 1801.732+/-0.145 χ^2/NDF: 1147040.0/11



Right In: -132.023+/-945.097 χ^2/NDF: 35.5/30

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -303.601+/-768.010 χ^2/NDF: 39.0/35

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

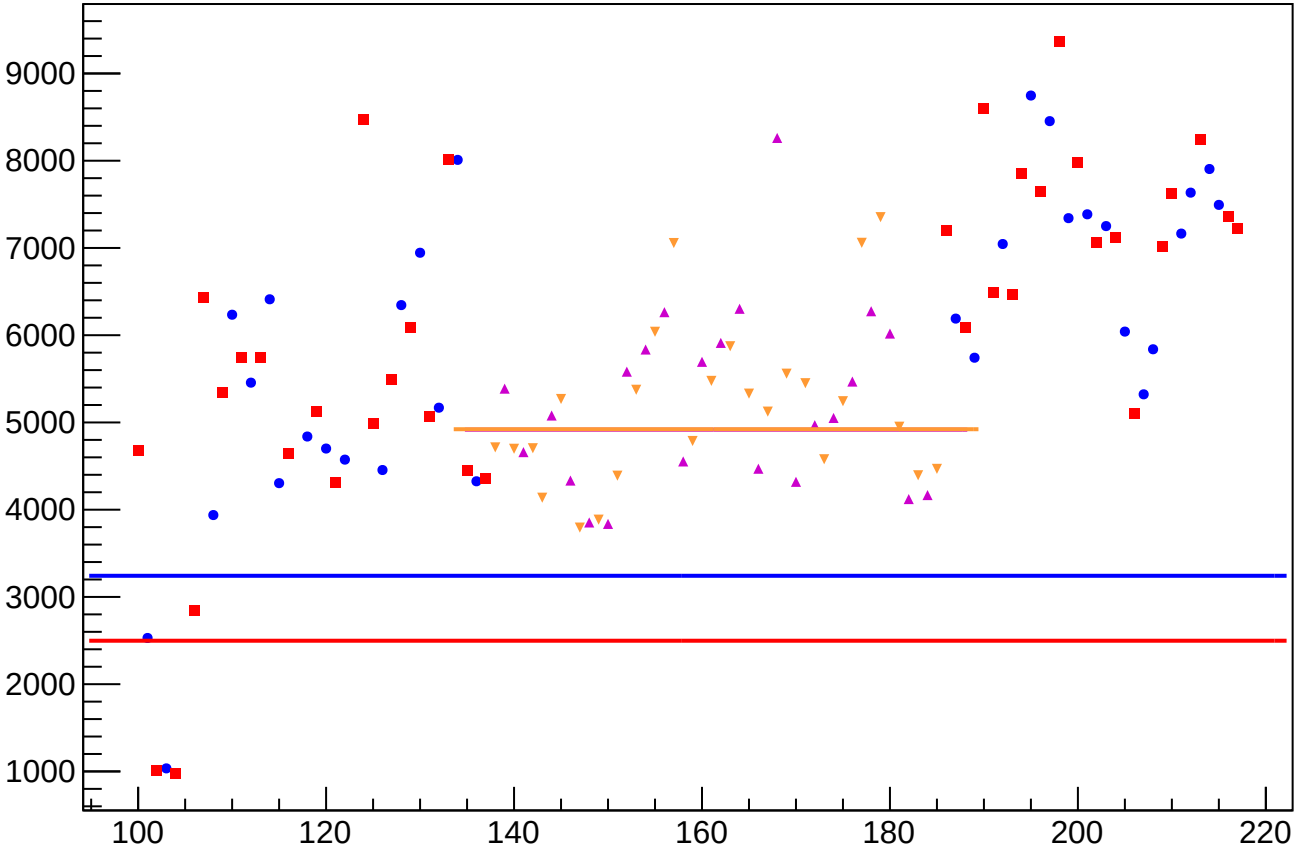
Right: -235.361+/-596.027 χ^2/NDF: 74.5/66

In: -200.690+/-735.453 χ^2/NDF:50.0/53

Out: -133.747+/-637.117 χ^2/NDF:65.9/60

All: -162.447+/-481.552 χ^2/NDF: 115.9/114

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: 2498.074+/-0.543 χ^2/NDF: 19949172.2/35

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

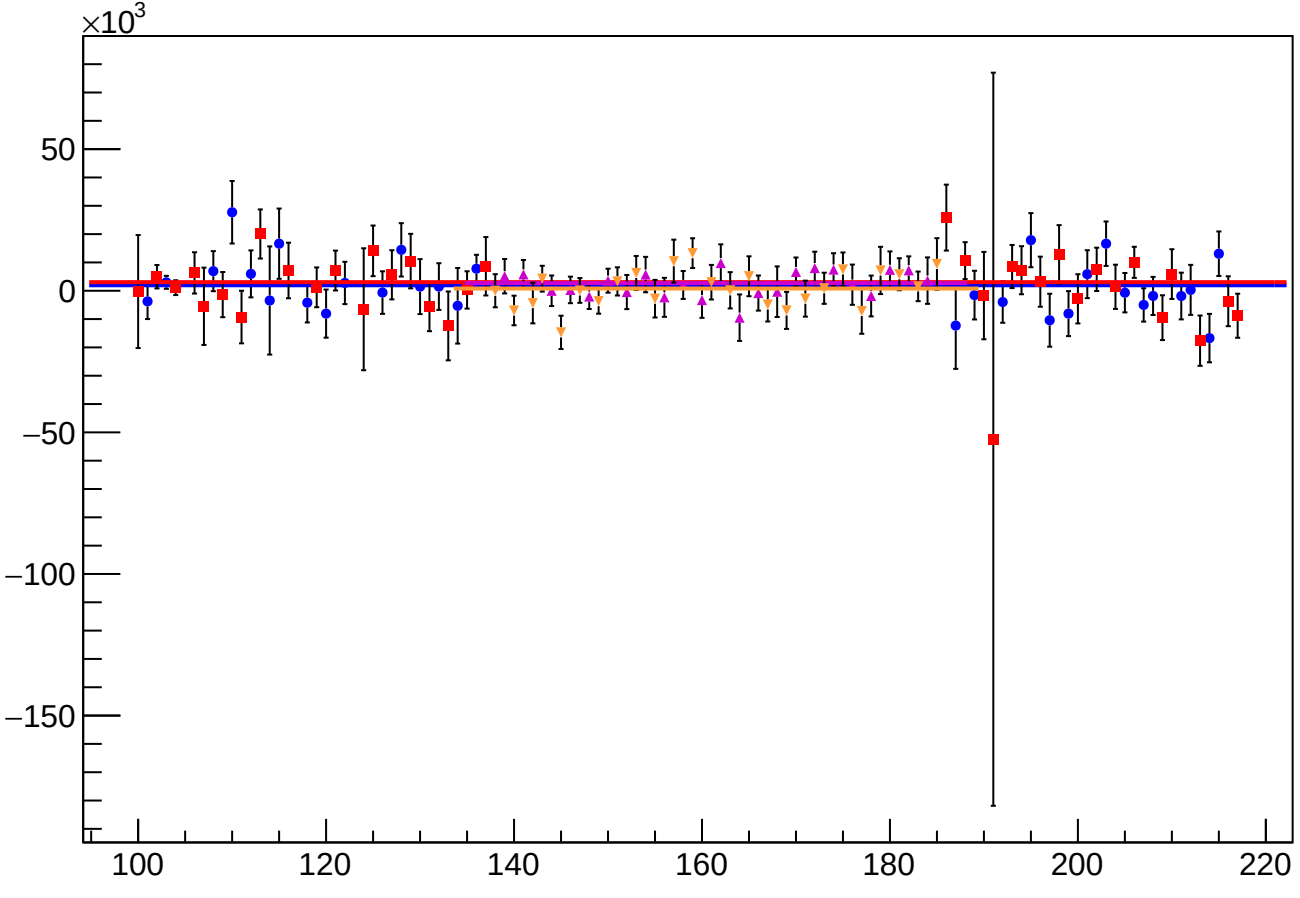
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2794.131+/-0.421 χ^2/NDF: 35010818.1/66

In: 3902.952+/-0.520 χ^2/NDF:17952527.8/53

Out: 3254.010+/-0.451 χ^2/NDF:27213573.1/60

All: 3532.226+/-0.341 χ^2/NDF: 46055668.6/1



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: 3042.806+/-1236.029 χ^2/NDF: 34.0/35

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

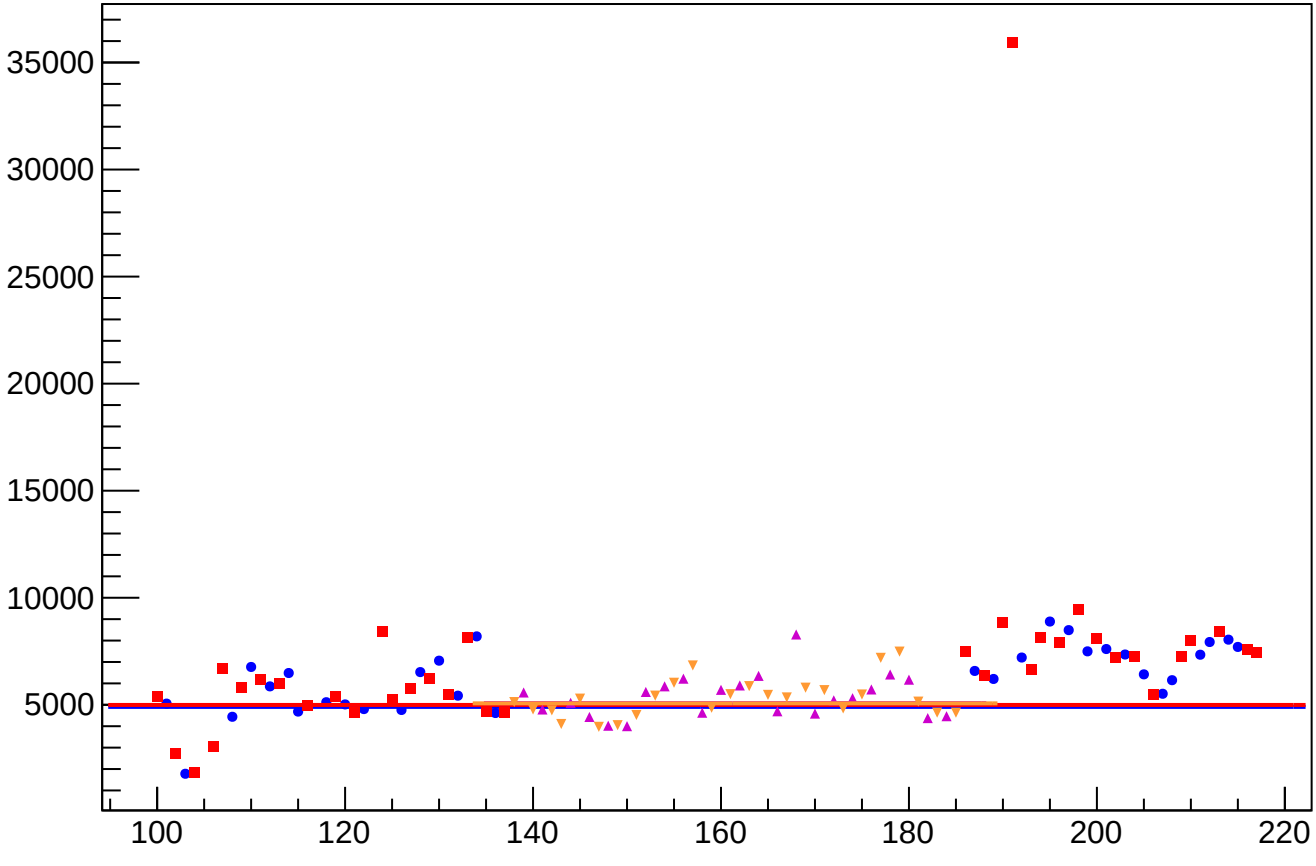
Right: 2489.796+/-873.538 χ^2/NDF: 69.2/66

In: 2330.688+/-862.845 χ^2/NDF:47.0/53

Out: 1855.437+/-850.451 χ^2/NDF:63.3/60

All: 2089.625+/-605.694 χ^2/NDF: 110.4/114

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: 4993.075+/-0.868 χ^2/NDF: 7150386.0/35

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

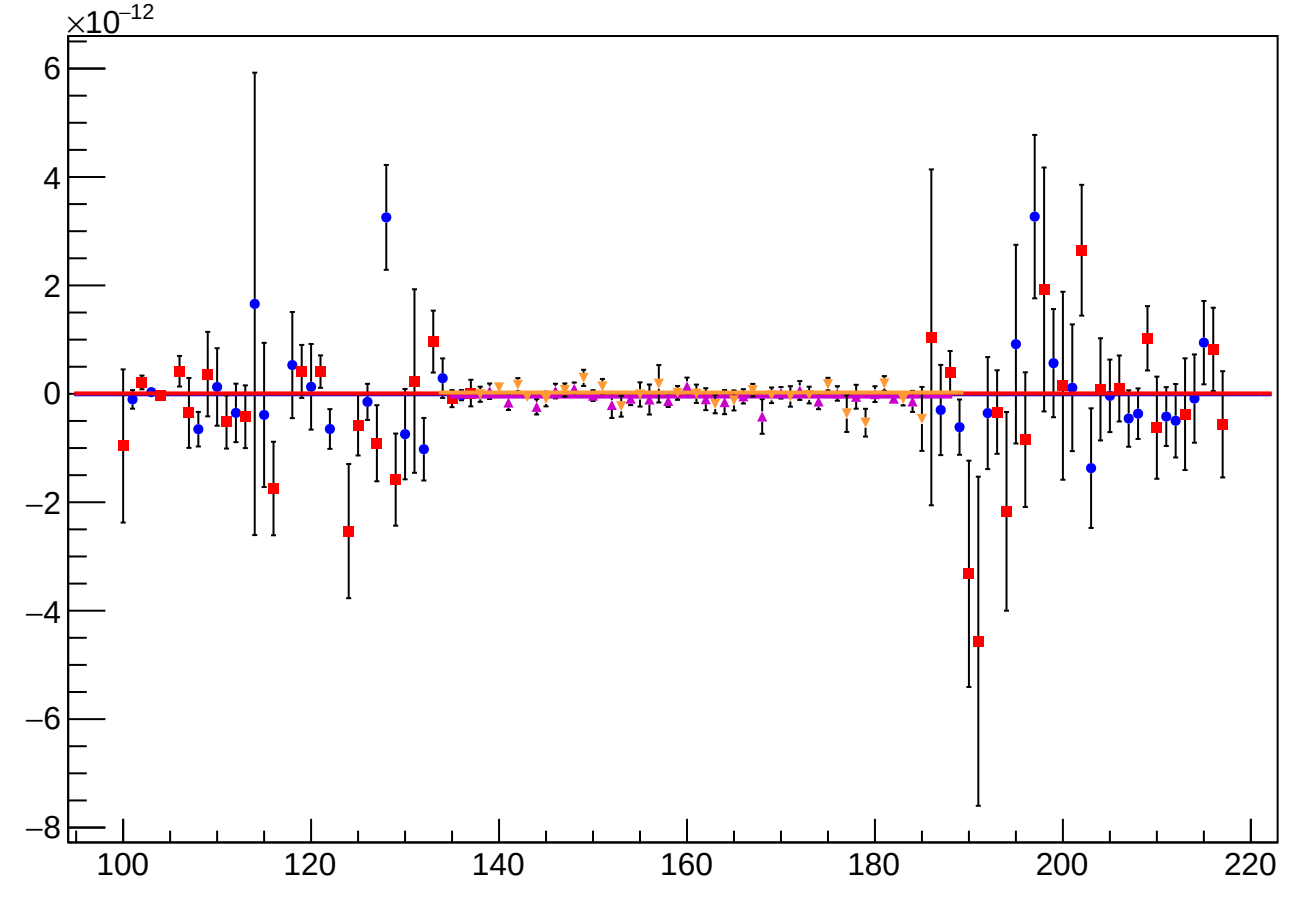
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 4948.164+/-0.616 χ^2/NDF: 13918992.1/66

In: 4993.304+/-0.610 χ^2/NDF:7785485.1/53

Out: 5032.237+/-0.600 χ^2/NDF:8108525.1/60

All: 5013.111+/-0.428 χ^2/NDF: 15896081.8/1



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.8/35

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

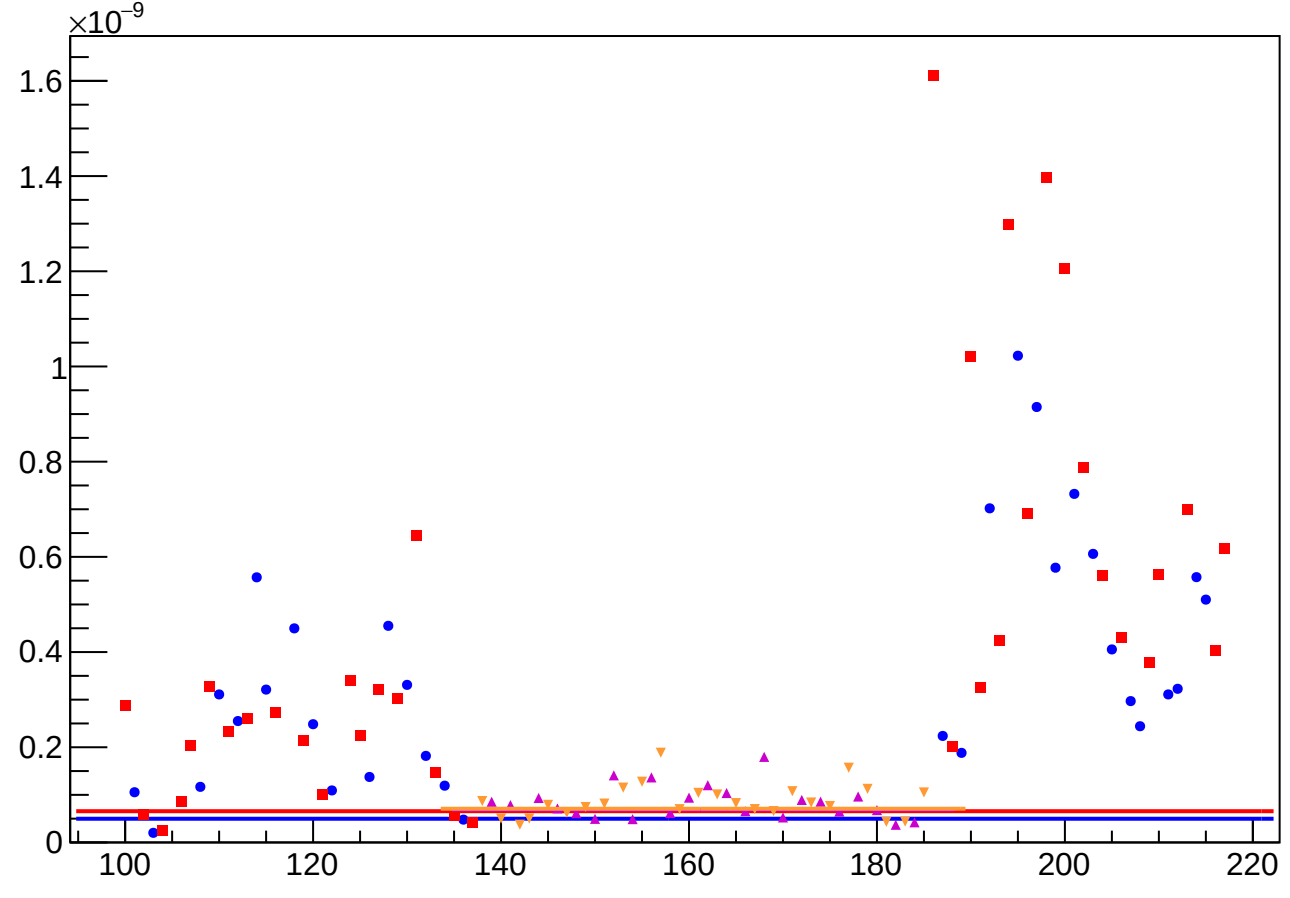
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 84.8/66

In: -0.000+/-0.000 χ^2/NDF:49.8/53

Out: 0.000+/-0.000 χ^2/NDF:70.5/60

All: -0.000+/-0.000 χ^2/NDF: 122.8/114



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: 12642712.8/35

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

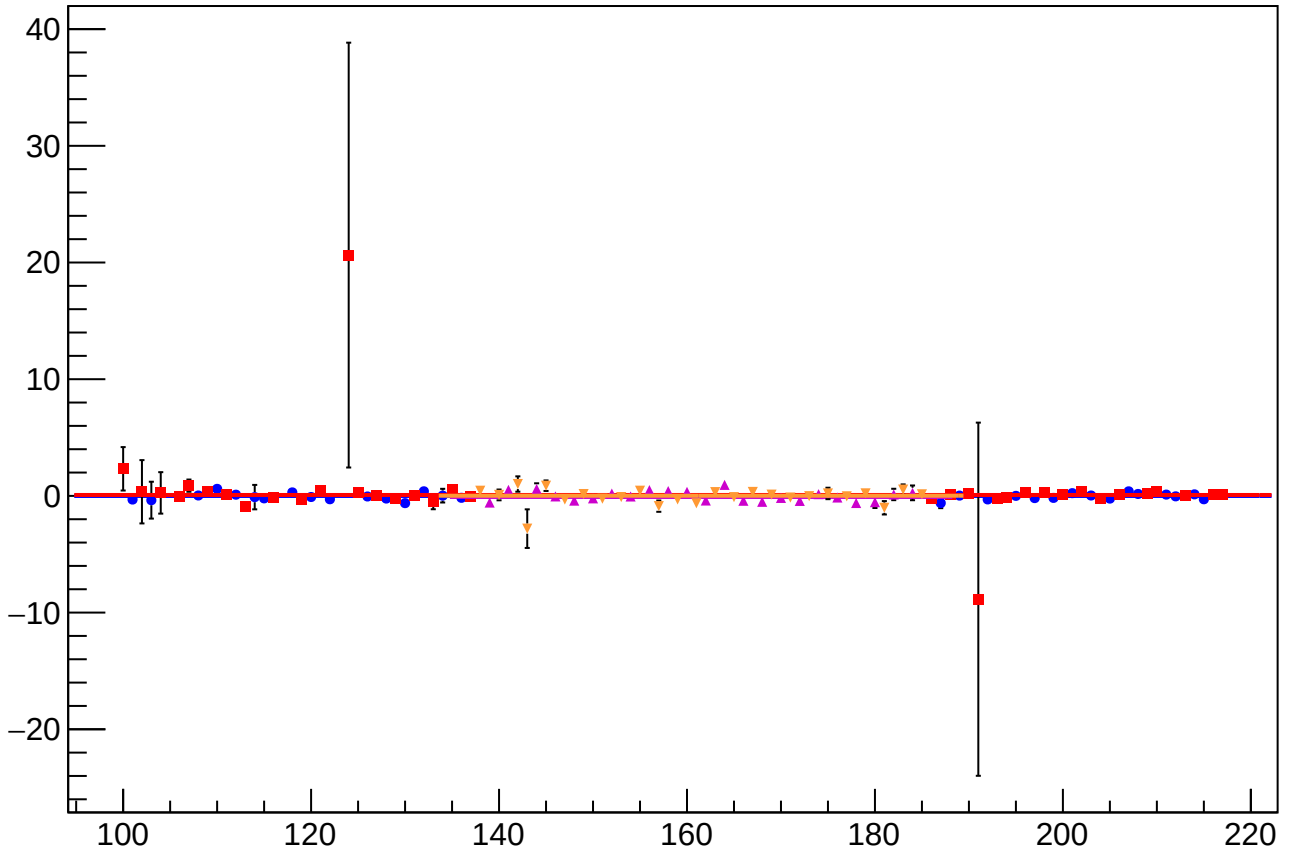
Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

Right: 0.000+/-0.000 χ^2/NDF: 23814456.3/66

In: 0.000+/-0.000 χ^2/NDF:12786586.3/53

Out: 0.000+/-0.000 χ^2/NDF:14151264.2/60

All: 0.000+/-0.000 χ^2/NDF: 27058000.8/114



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: 0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

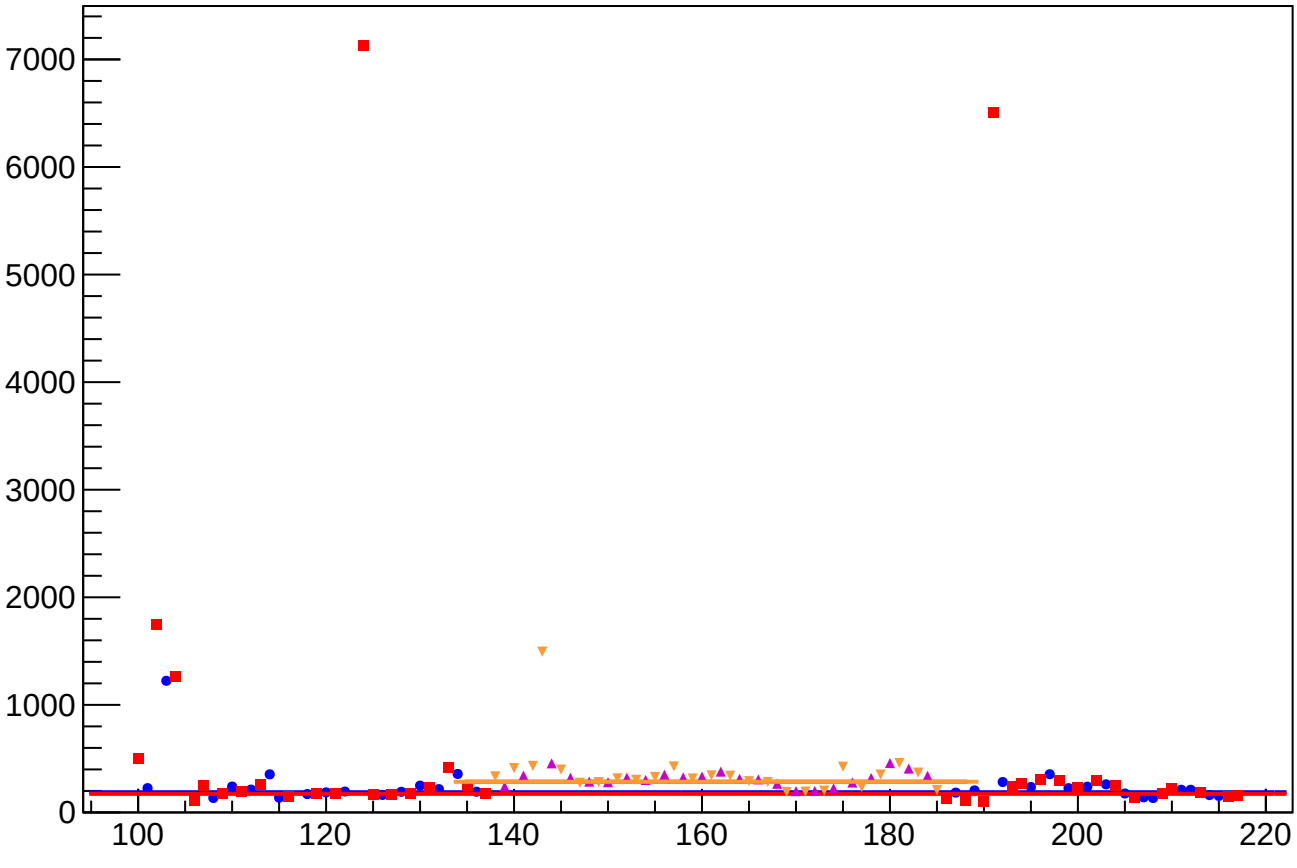
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.040+/-0.031 χ^2/NDF: 62.7/66

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.061+/-0.037 χ^2/NDF:61.1/60

All: 0.018+/-0.027 χ^2/NDF: 124.8/114



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: 172.953+/-0.030 χ^2/NDF: 5512154.5/35

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

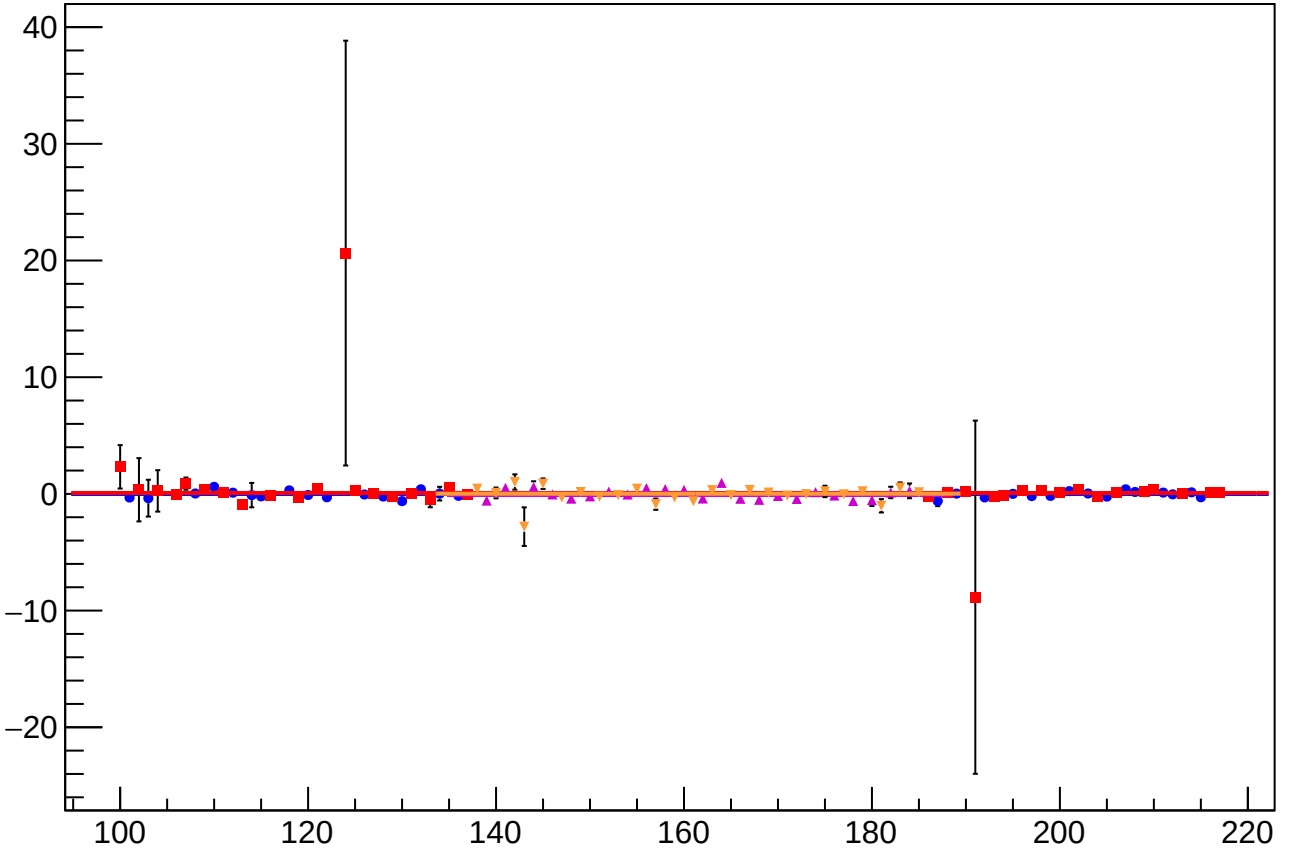
Right: 180.009+/-0.022 χ^2/NDF: 8515616.8/66

In: 217.598+/-0.027 χ^2/NDF:7319592.8/53

Out: 203.593+/-0.026 χ^2/NDF:12664244.6/60

All: 210.201+/-0.019 χ^2/NDF: 20122734.0/11

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: 0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

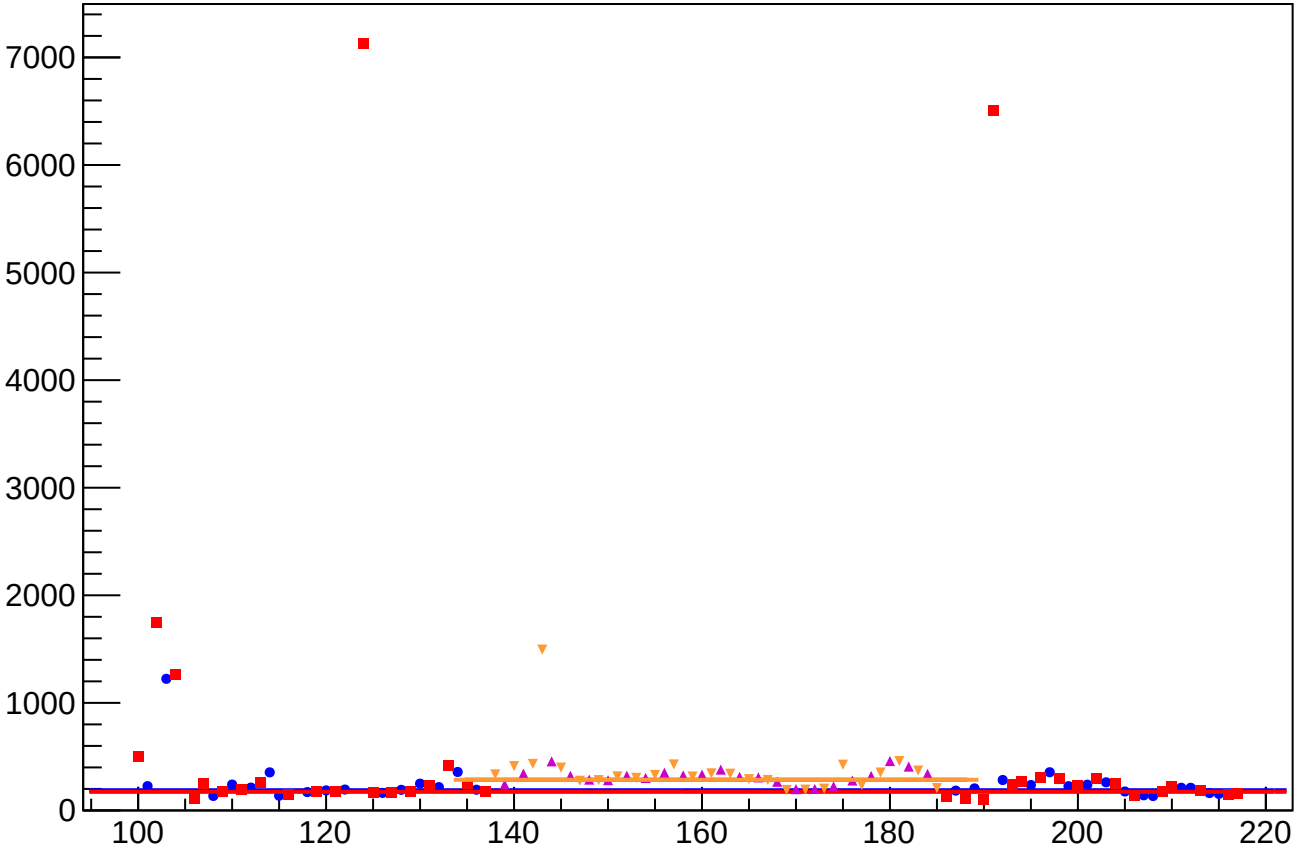
Right: 0.040+/-0.031 χ^2/NDF: 62.7/66

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.061+/-0.037 χ^2/NDF:61.1/60

All: 0.018+/-0.027 χ^2/NDF: 124.8/114

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: 172.953+/-0.030 χ^2/NDF: 5512154.5/35

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

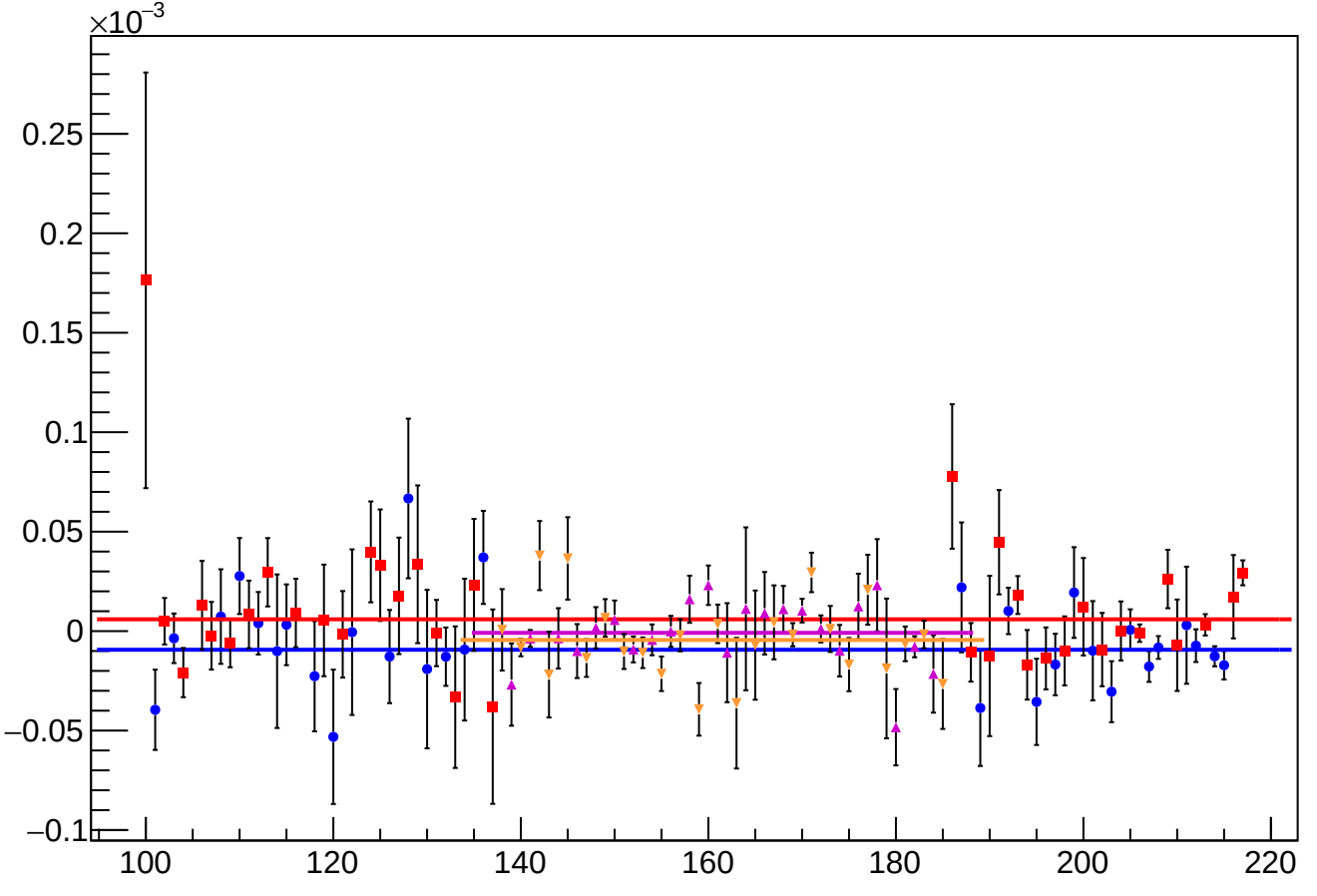
Right: 180.009+/-0.022 χ^2/NDF: 8515616.8/66

In: 217.598+/-0.027 χ^2/NDF:7319592.8/53

Out: 203.593+/-0.026 χ^2/NDF:12664244.6/60

All: 210.201+/-0.019 χ^2/NDF: 20122734.0/11

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 50.1/35

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

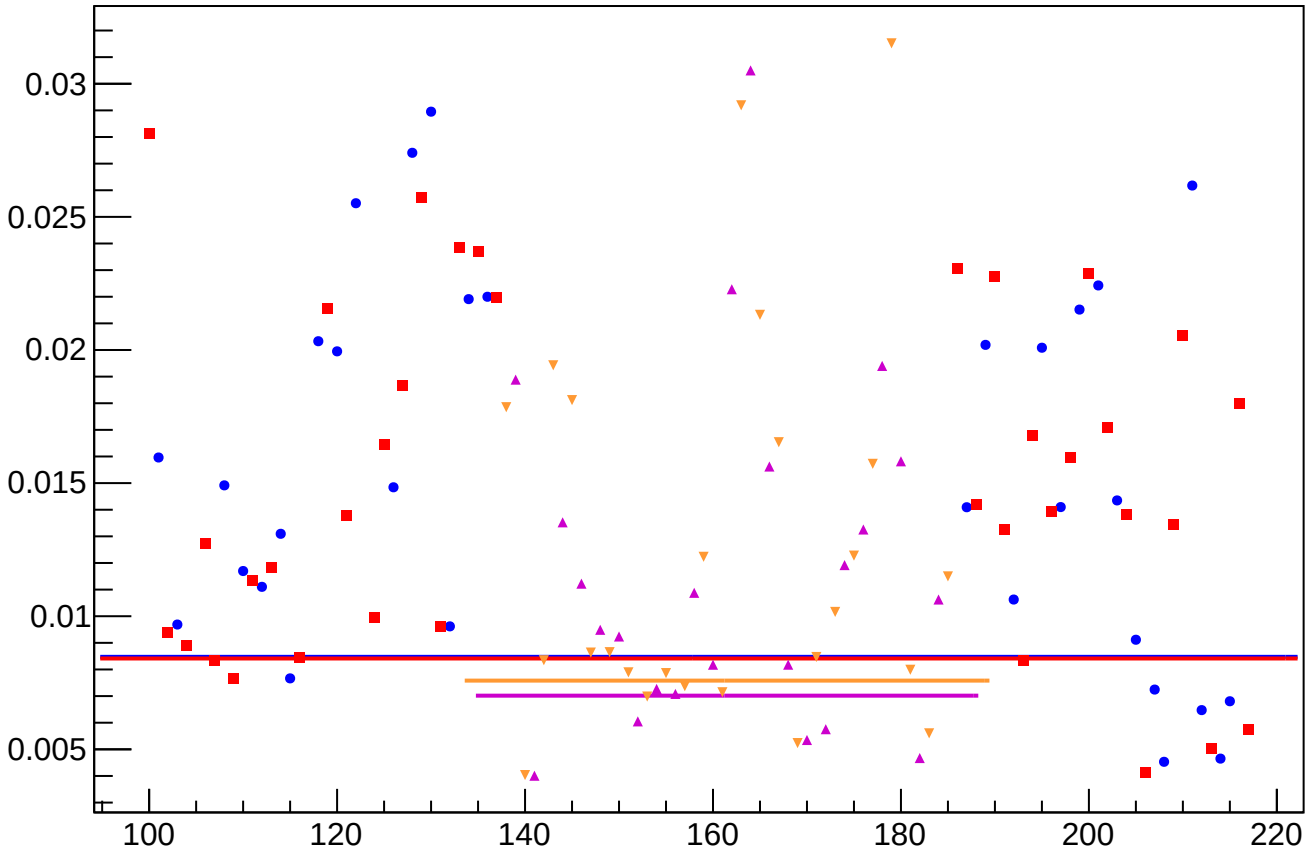
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: -0.000+/-0.000 χ^2/NDF: 104.6/66

In: -0.000+/-0.000 χ^2/NDF:68.4/53

Out: 0.000+/-0.000 χ^2/NDF:106.5/60

All: -0.000+/-0.000 χ^2/NDF: 179.6/114



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: 0.008+/-0.000 χ^2/NDF: 10348683.3/35

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

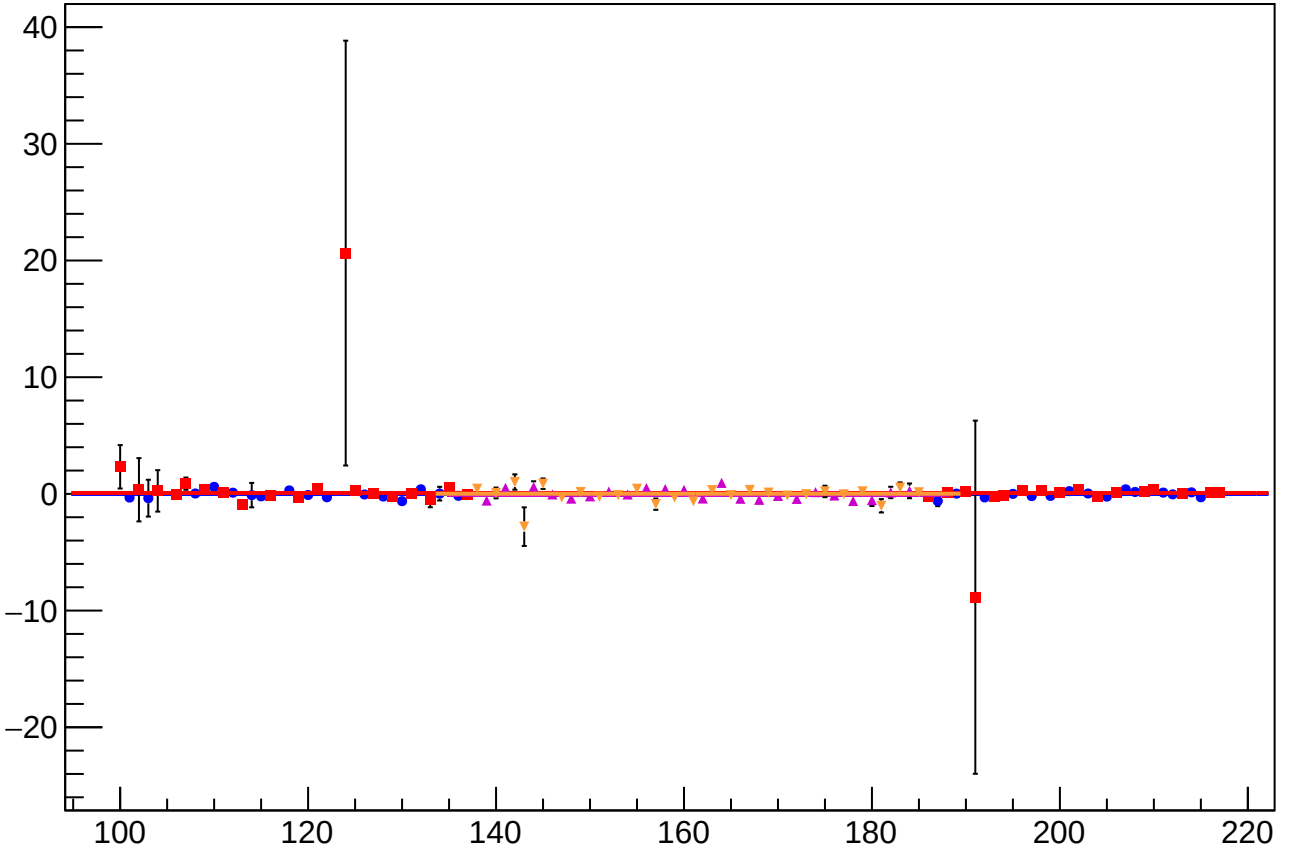
Right: 0.008+/-0.000 χ^2/NDF: 19919139.5/66

In: 0.008+/-0.000 χ^2/NDF:16785738.5/53

Out: 0.008+/-0.000 χ^2/NDF:17859580.6/60

All: 0.008+/-0.000 χ^2/NDF: 34700699.2/114

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: 0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

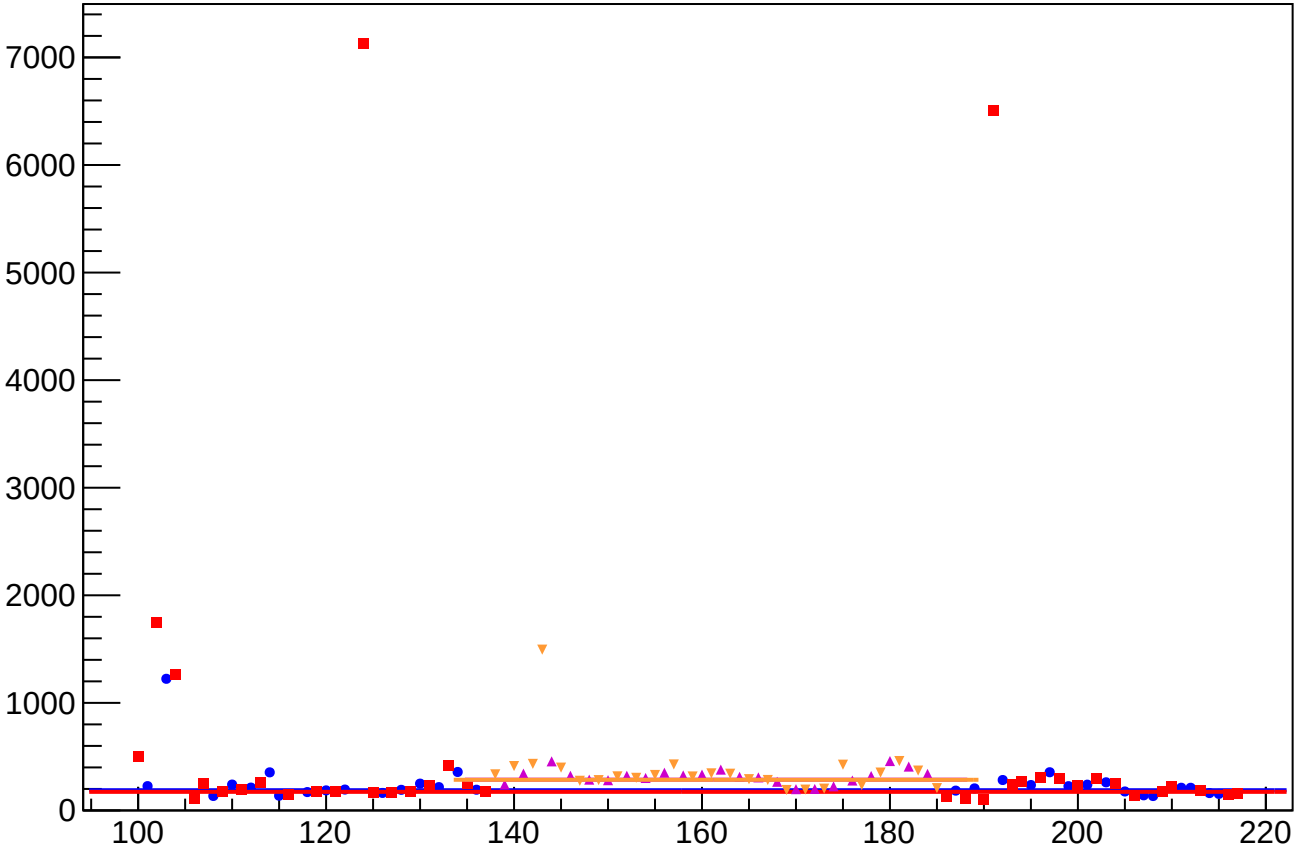
Right: 0.040+/-0.031 χ^2/NDF: 62.7/66

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.061+/-0.037 χ^2/NDF:61.1/60

All: 0.018+/-0.027 χ^2/NDF: 124.8/114

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: 172.951+/-0.030 χ^2/NDF: 5512287.5/35

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

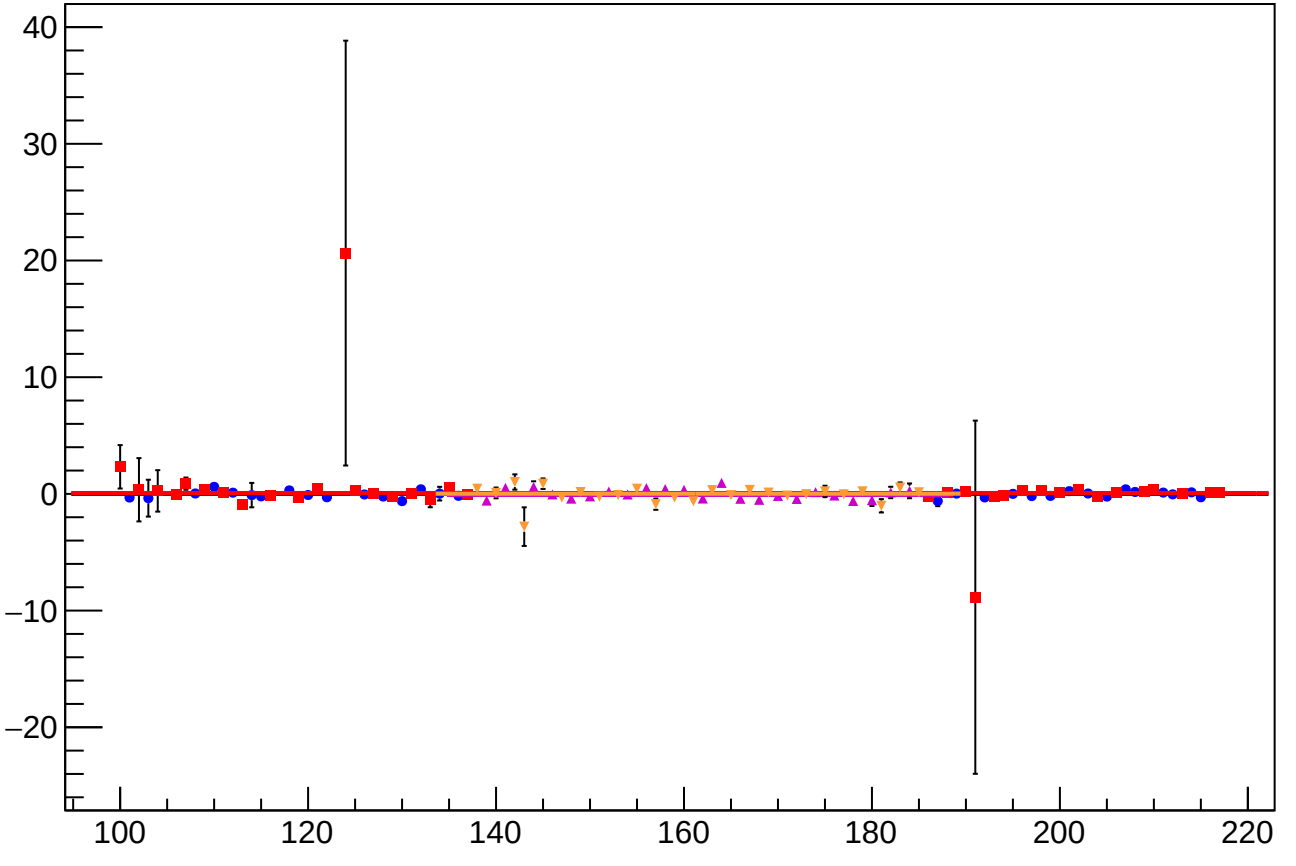
Right: 180.007+/-0.022 χ^2/NDF: 8515785.4/66

In: 217.598+/-0.027 χ^2/NDF:7319817.3/53

Out: 203.591+/-0.026 χ^2/NDF:12664701.9/60

All: 210.200+/-0.019 χ^2/NDF: 20123438.3/11

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: 0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

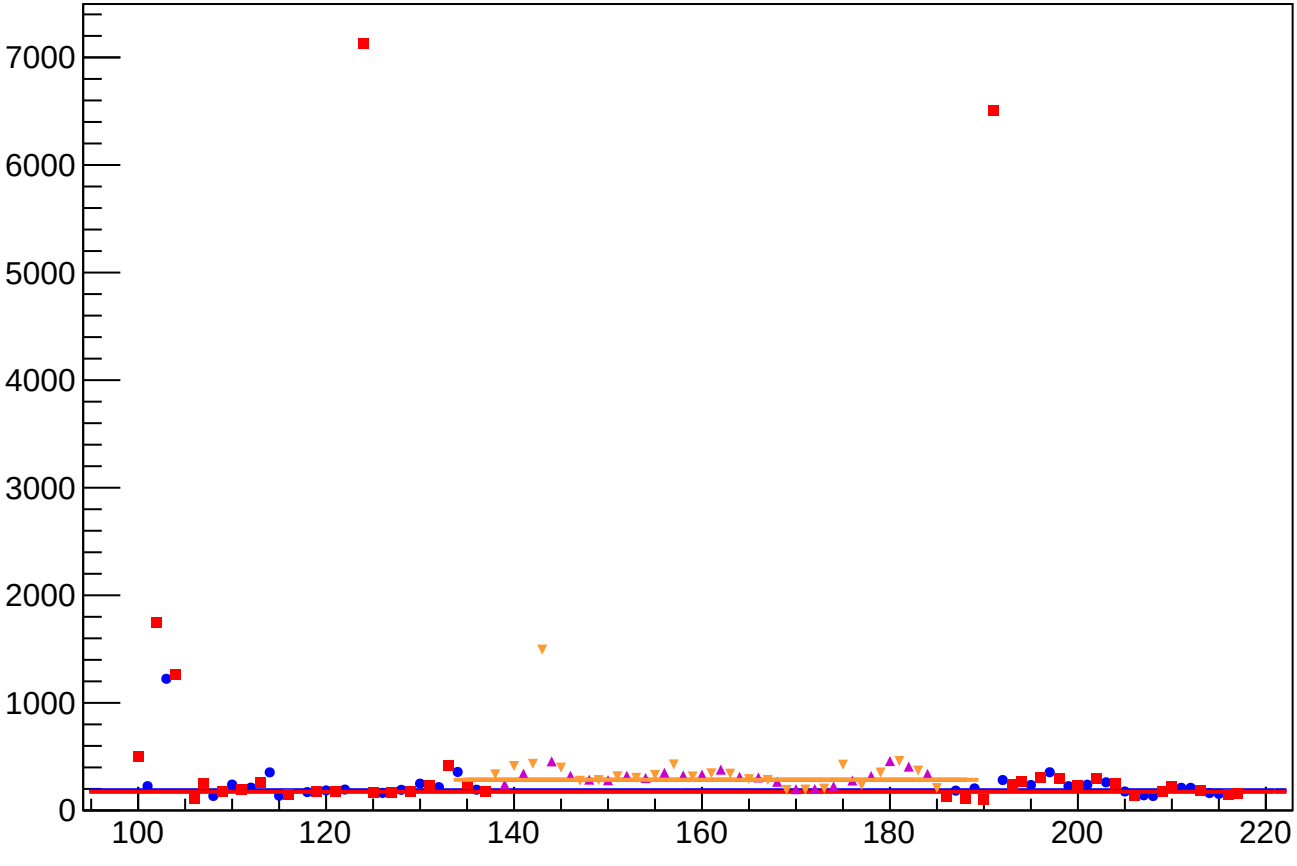
Right: 0.040+/-0.031 χ^2/NDF: 62.7/66

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.061+/-0.037 χ^2/NDF:61.1/60

All: 0.018+/-0.027 χ^2/NDF: 124.8/114

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: 172.951+/-0.030 χ^2/NDF: 5512287.5/35

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

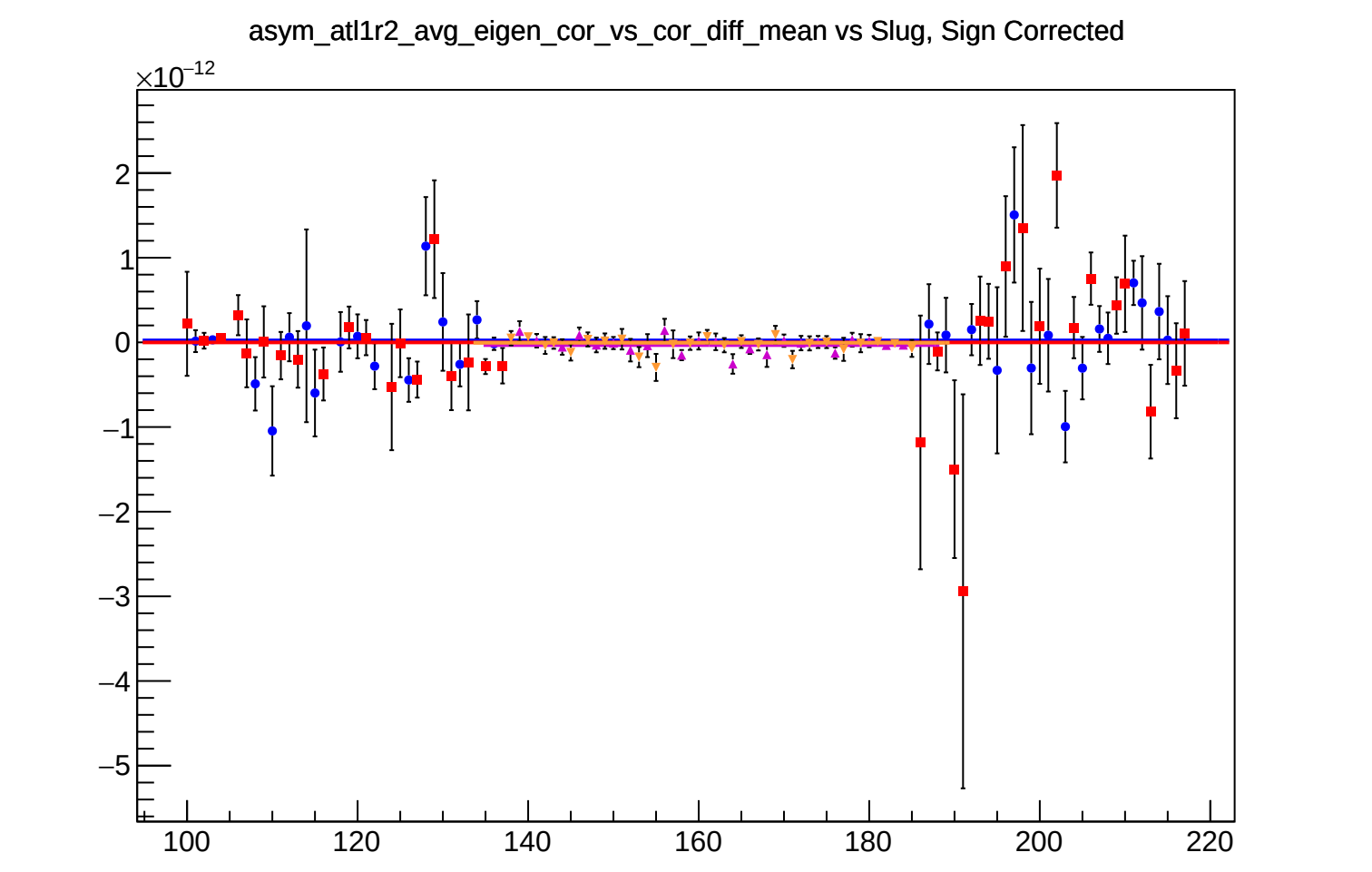
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 180.007+/-0.022 χ^2/NDF: 8515785.4/66

In: 217.598+/-0.027 χ^2/NDF:7319817.3/53

Out: 203.591+/-0.026 χ^2/NDF:12664701.9/60

All: 210.200+/-0.019 χ^2/NDF: 20123438.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.1/35

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

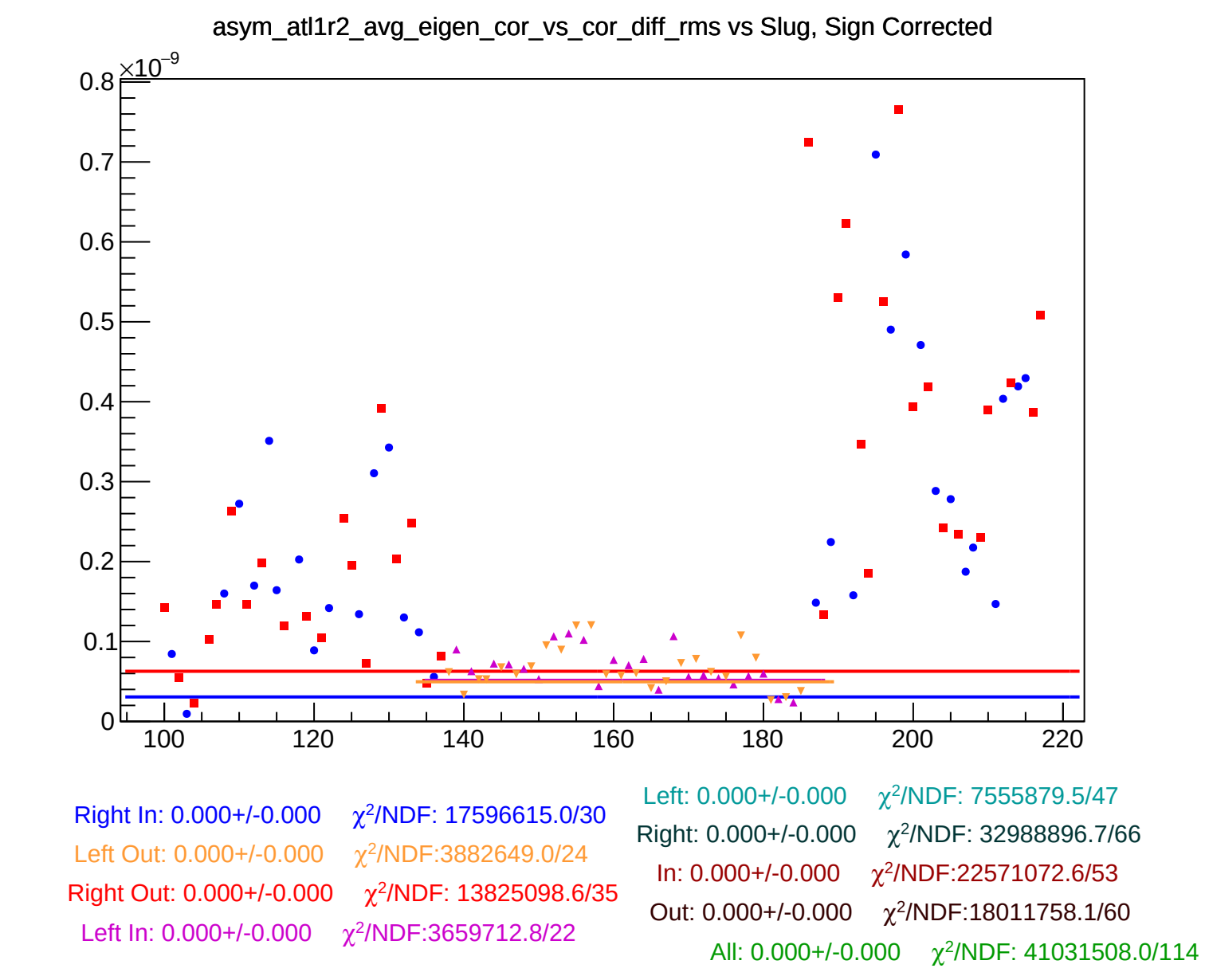
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: 0.000+/-0.000 χ^2/NDF: 95.7/66

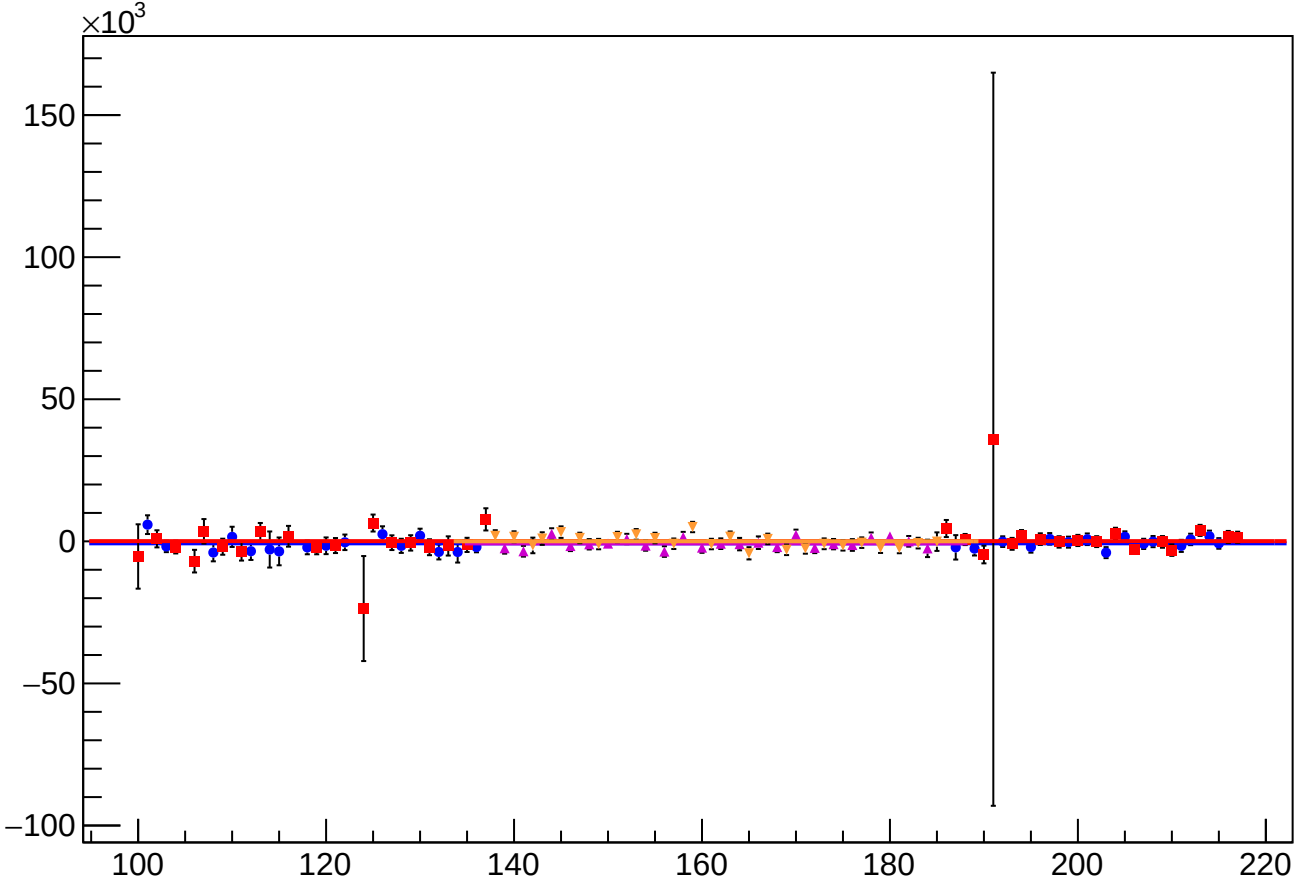
In: -0.000+/-0.000 χ^2/NDF:61.6/53

Out: -0.000+/-0.000 χ^2/NDF:73.7/60

All: -0.000+/-0.000 χ^2/NDF: 135.4/114


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 17596615.0/30
Left Out: 0.000+/-0.000 χ²/NDF:3882649.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 13825098.6/35
Left In: 0.000+/-0.000 χ²/NDF:3659712.8/22
Left: 0.000+/-0.000 χ²/NDF: 7555879.5/47
Right: 0.000+/-0.000 χ²/NDF: 32988896.7/66
In: 0.000+/-0.000 χ²/NDF:22571072.6/53
Out: 0.000+/-0.000 χ²/NDF:18011758.1/60
All: 0.000+/-0.000 χ²/NDF: 41031508.0/114

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: 76.574+/-413.837 χ^2/NDF: 38.8/35

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

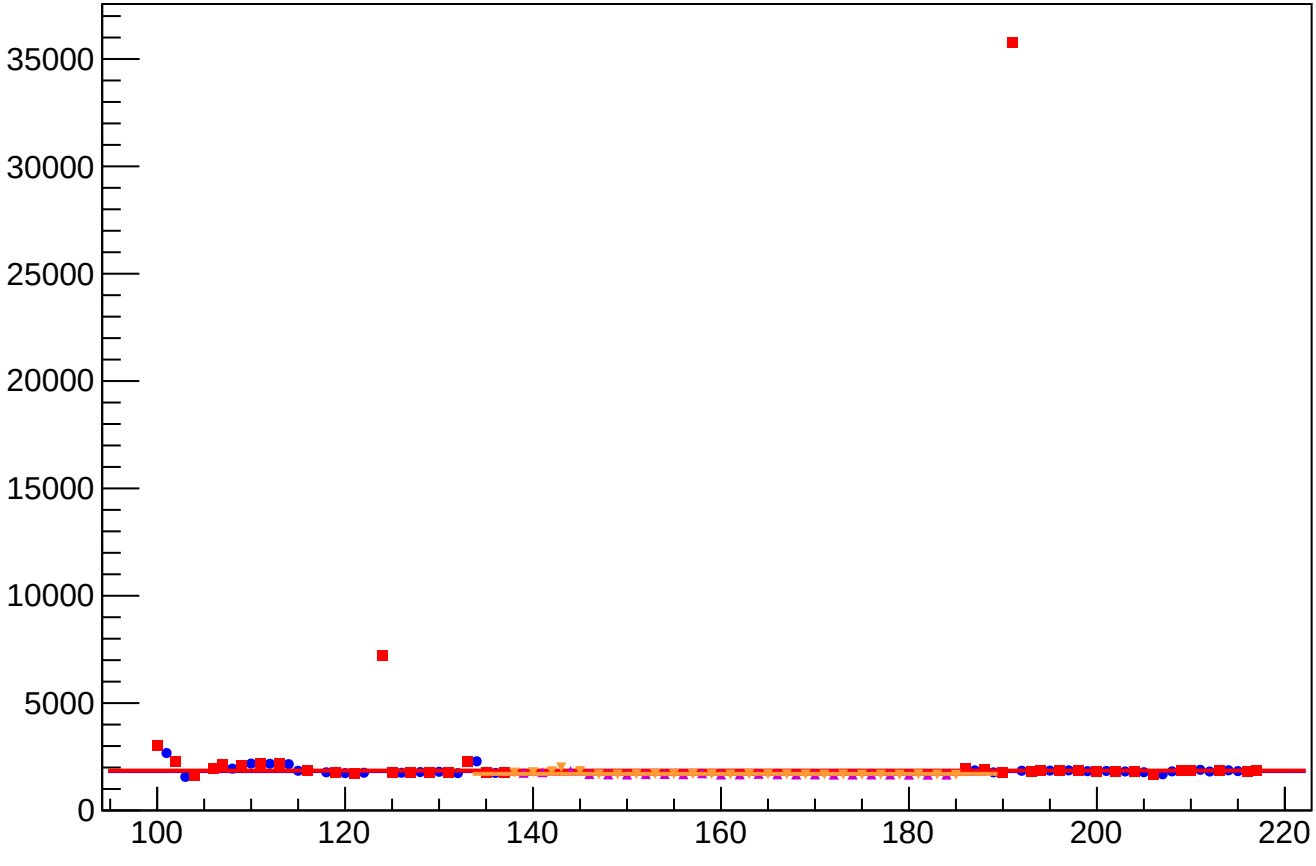
Right: -306.594+/-294.305 χ^2/NDF: 62.2/66

In: -709.658+/-287.852 χ^2/NDF:40.7/53

Out: 48.105+/-282.947 χ^2/NDF:68.3/60

All: -324.265+/-201.786 χ^2/NDF: 112.6/114

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: 1855.718+/-0.292 χ^2/NDF: 536638.6/35

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

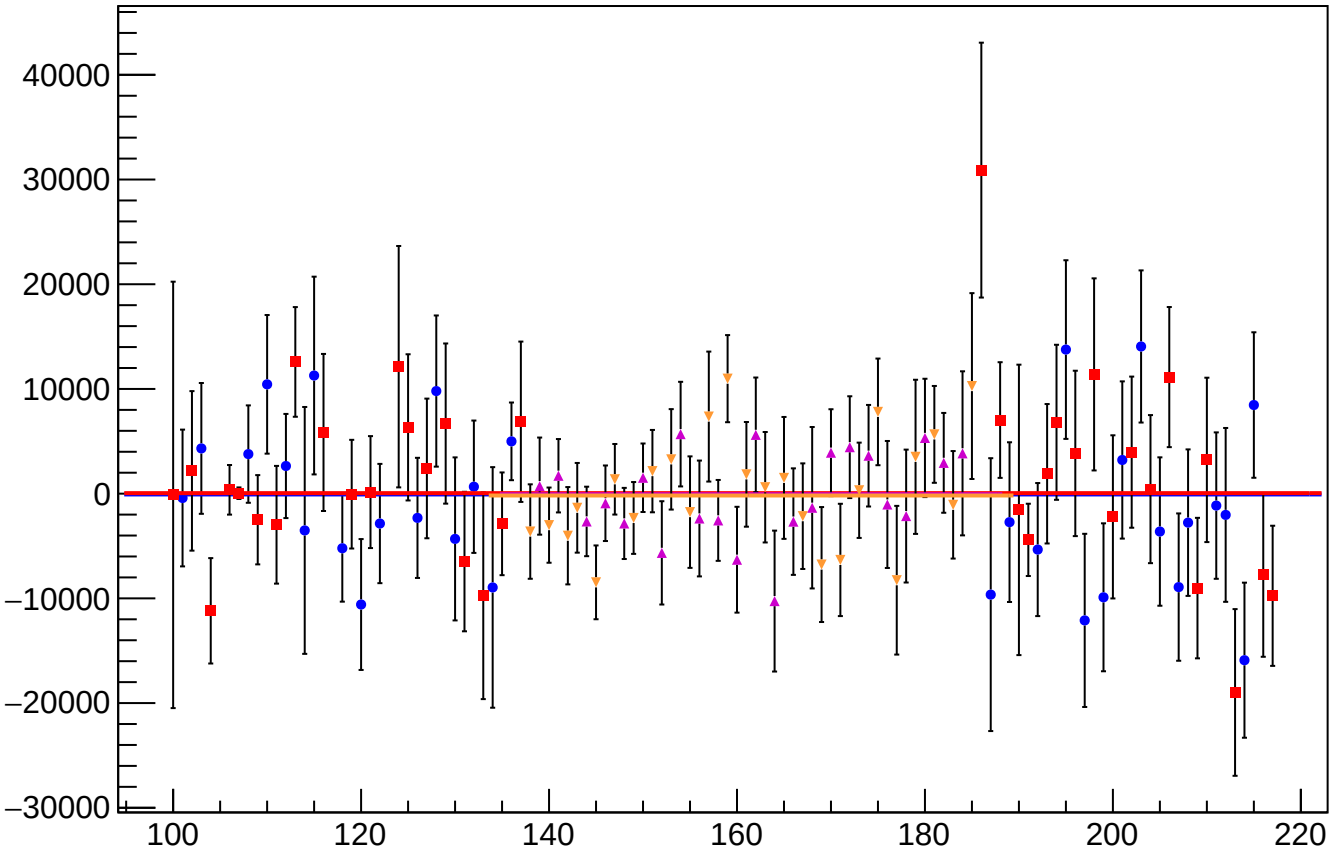
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.356+/-0.208 χ^2/NDF: 821240.4/66

In: 1761.437+/-0.204 χ^2/NDF:412659.9/53

Out: 1775.853+/-0.200 χ^2/NDF:736769.4/60

All: 1768.772+/-0.143 χ^2/NDF: 1151981.7/11



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: 49.881+/-483.437 χ^2/NDF: 44.3/35

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

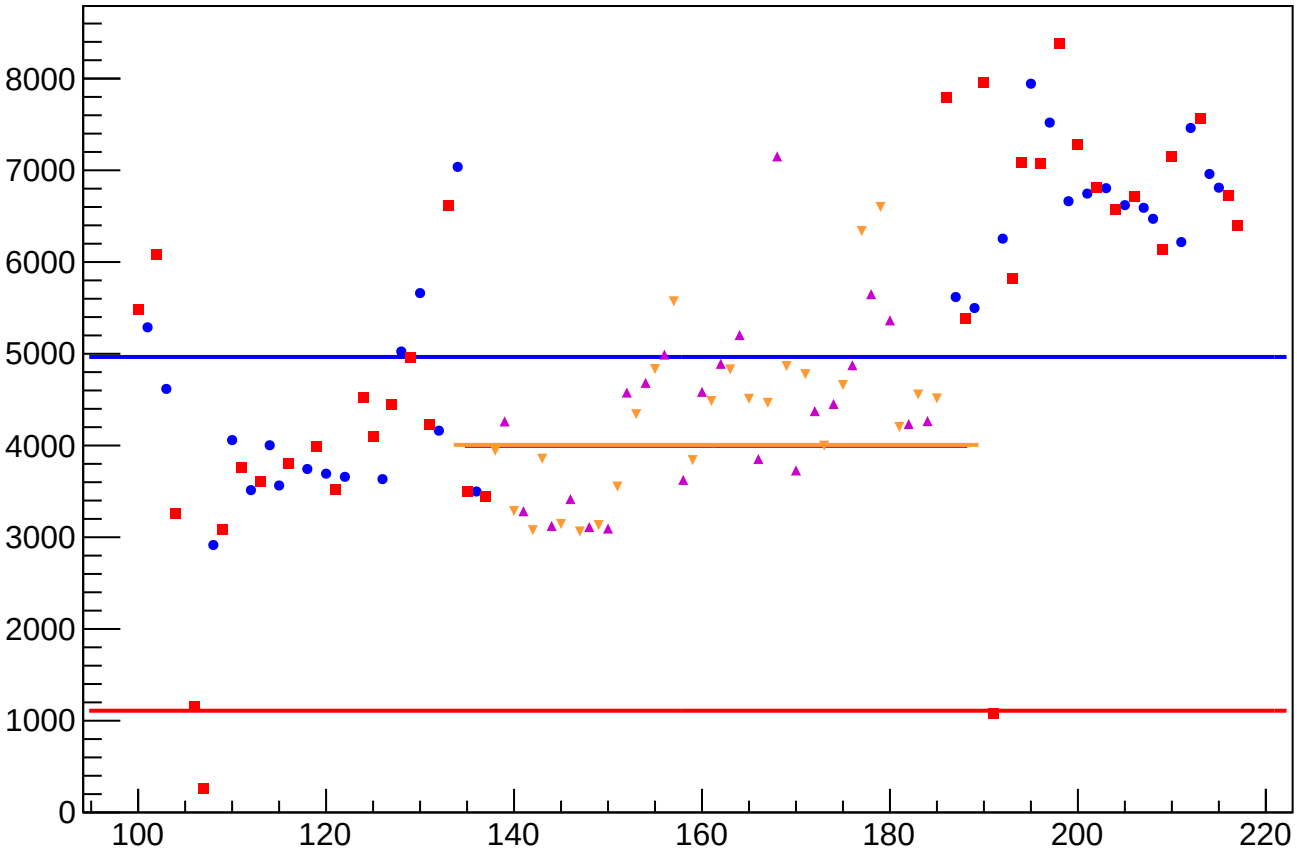
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 31.928+/-447.689 χ^2/NDF: 78.9/66

In: -64.218+/-744.552 χ^2/NDF:48.8/53

Out: 2.291+/-429.445 χ^2/NDF:72.3/60

All: -14.311+/-372.002 χ^2/NDF: 121.1/114



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: 1109.140+/-0.342 χ^2/NDF: 29899628.1/35

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

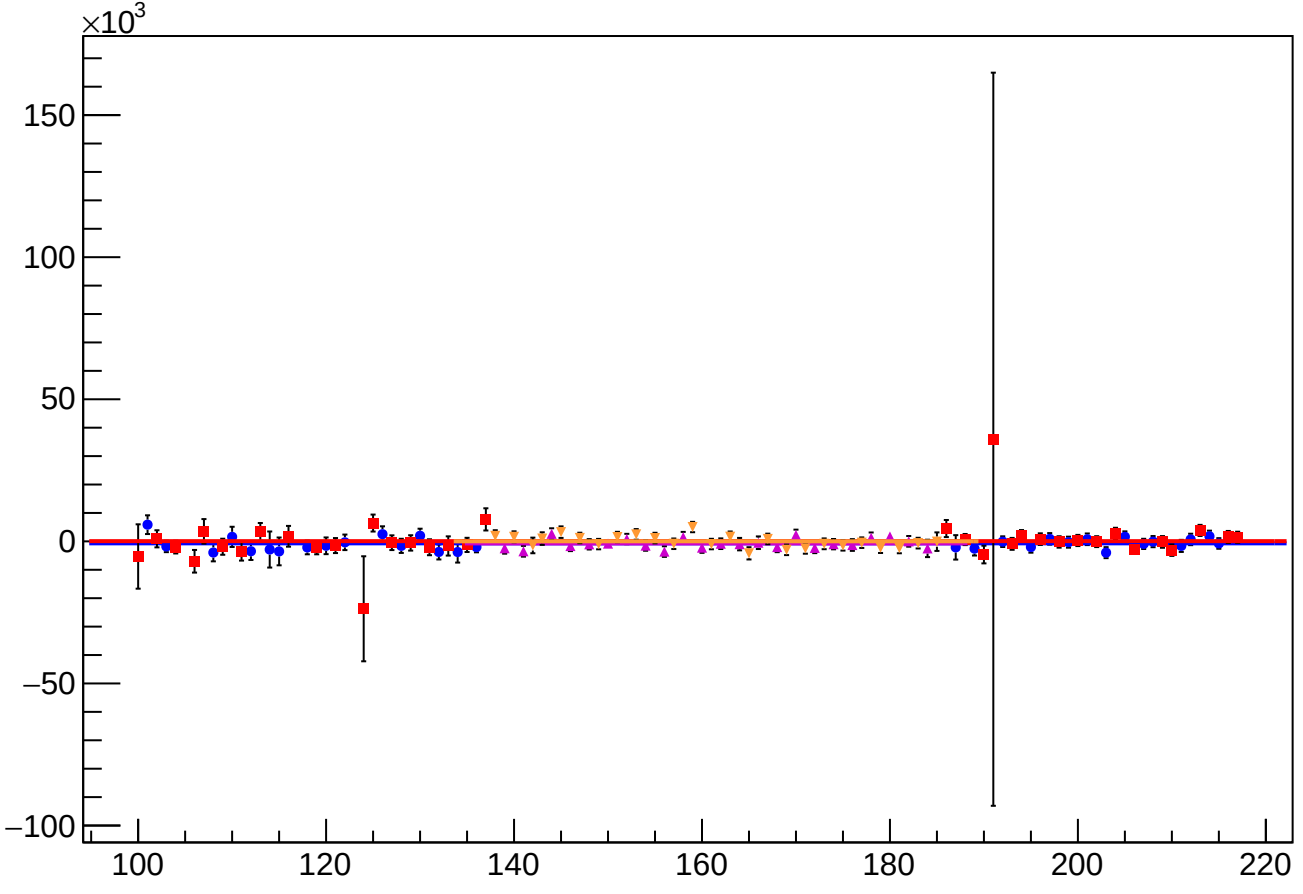
Right: 1658.358+/-0.317 χ^2/NDF: 51253411.0/66

In: 4377.237+/-0.526 χ^2/NDF:5578911.2/53

Out: 1720.277+/-0.304 χ^2/NDF:46558651.9/60

All: 2383.539+/-0.263 χ^2/NDF: 71248603.7/1

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: 76.431+/-413.837 χ^2/NDF: 38.9/35

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

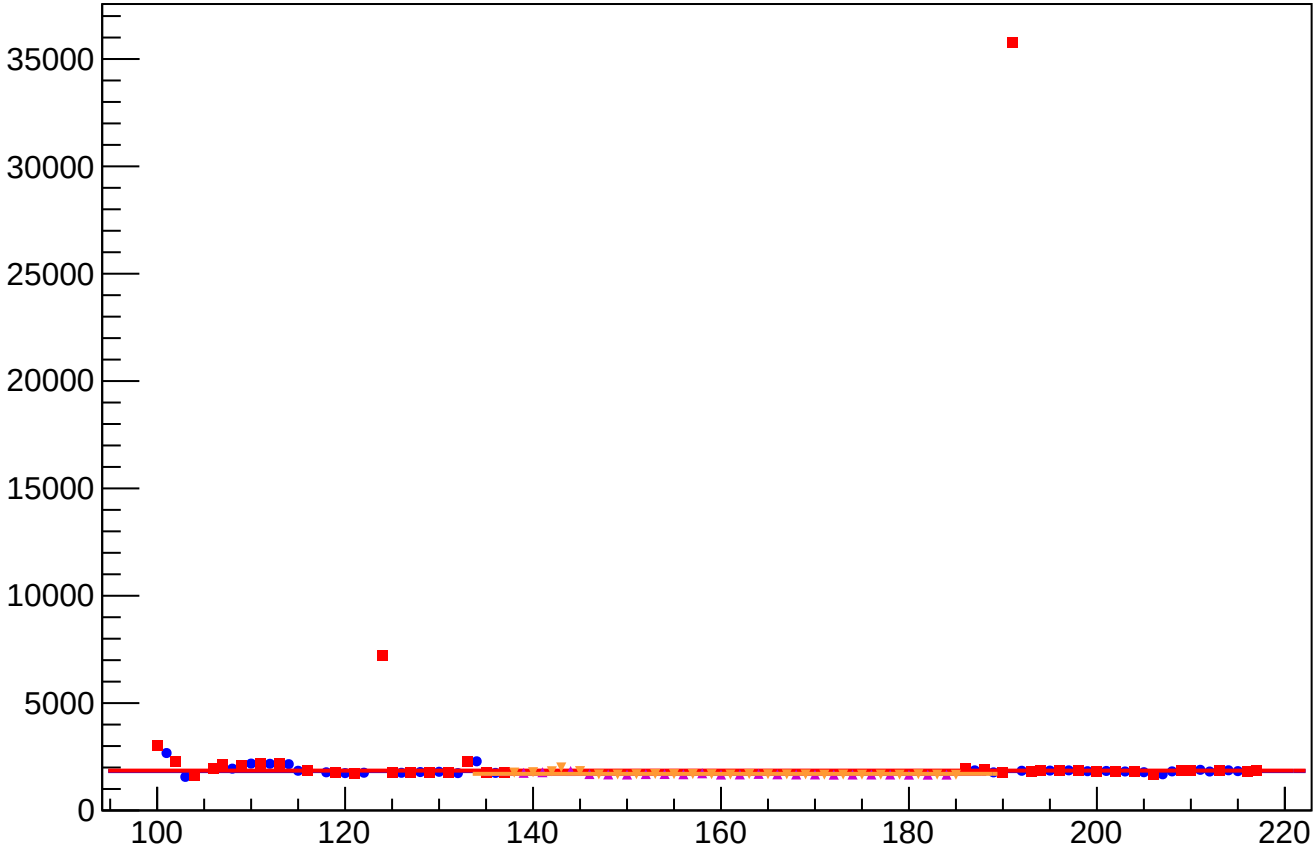
Right: -306.583+/-294.305 χ^2/NDF: 62.2/66

In: -709.513+/-287.852 χ^2/NDF:40.7/53

Out: 48.076+/-282.947 χ^2/NDF:68.4/60

All: -324.208+/-201.786 χ^2/NDF: 112.6/114

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: 1855.871+/-0.292 χ^2/NDF: 536981.7/35

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

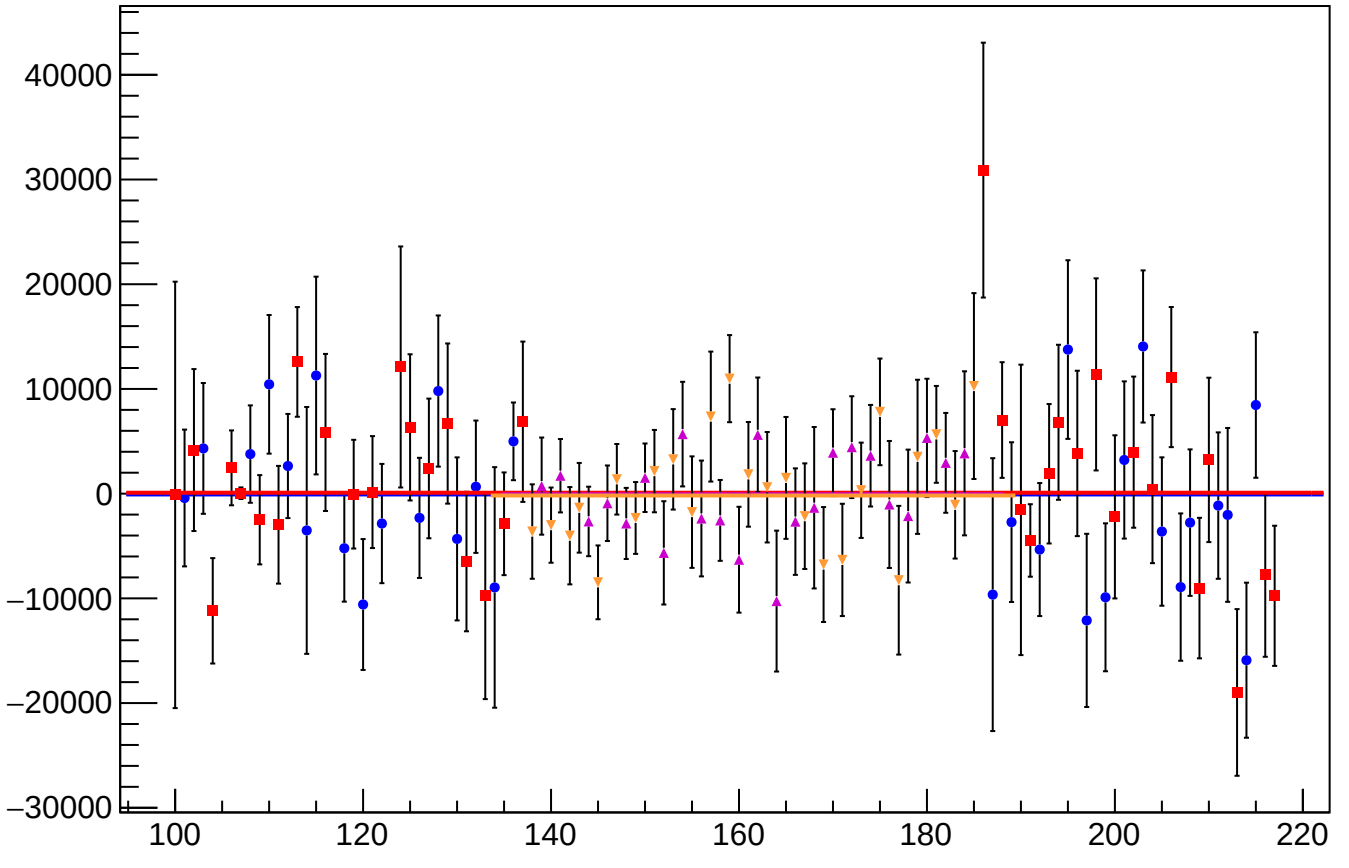
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.432+/-0.208 χ^2/NDF: 821623.1/66

In: 1761.437+/-0.204 χ^2/NDF:412659.3/53

Out: 1775.919+/-0.200 χ^2/NDF:737386.0/60

All: 1768.805+/-0.143 χ^2/NDF: 1152621.0/11



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: 88.183+/-489.220 χ^2/NDF: 45.0/35

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

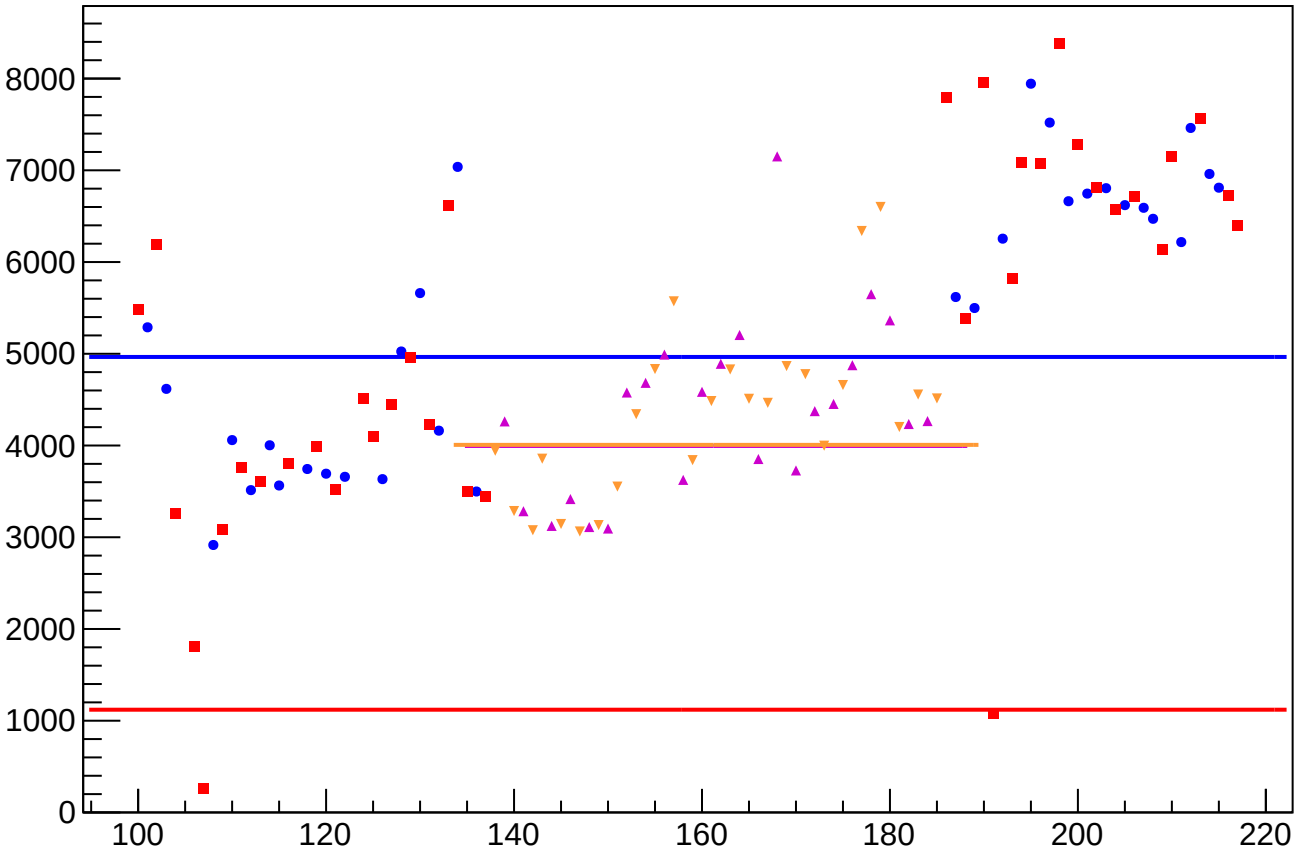
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 64.284+/-452.270 χ^2/NDF: 79.5/66

In: -64.202+/-744.552 χ^2/NDF:48.8/53

Out: 31.469+/-433.484 χ^2/NDF:73.0/60

All: 7.249+/-374.617 χ^2/NDF: 121.8/114



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: 1120.049+/-0.346 χ^2/NDF: 29986763.8/35

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

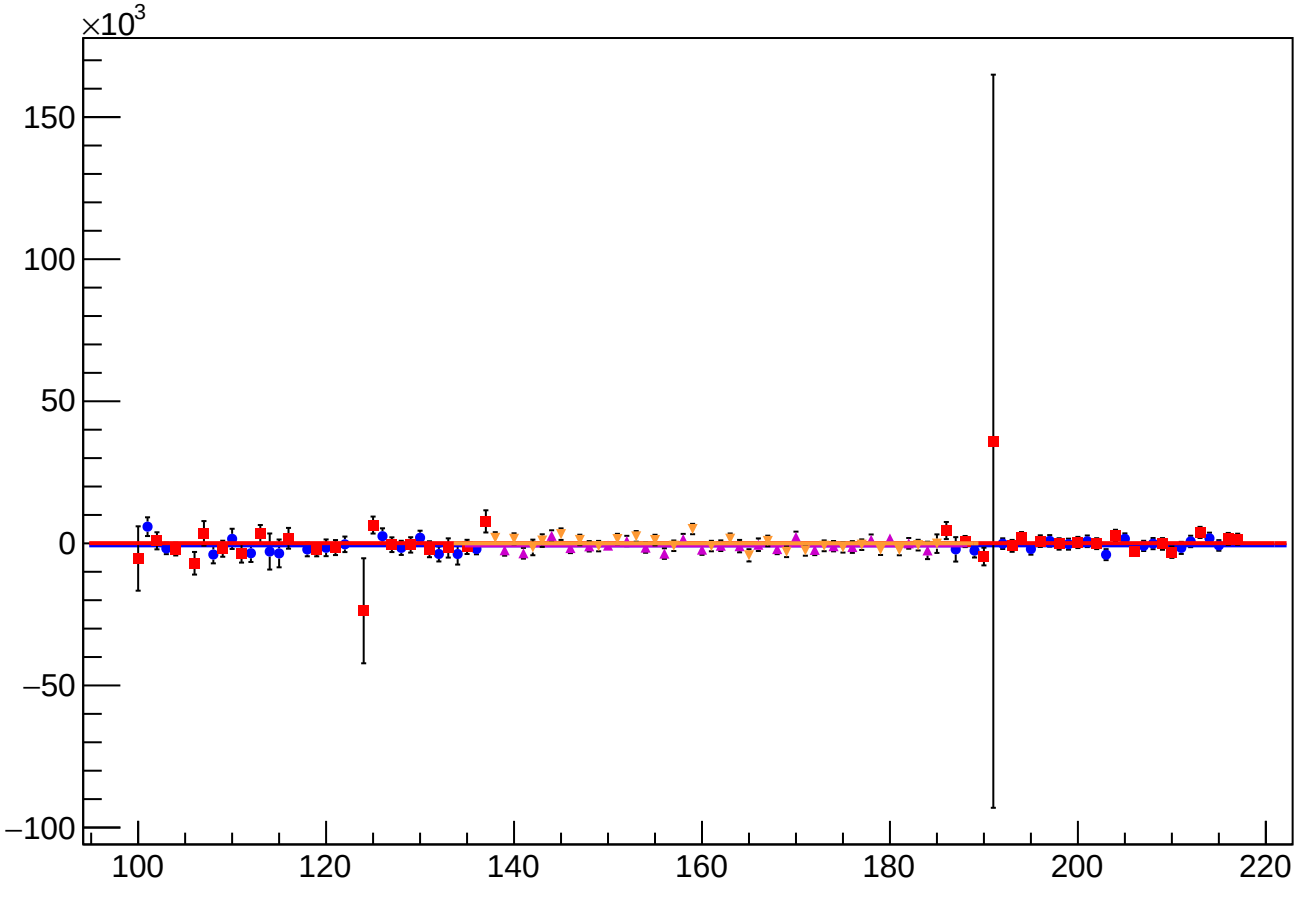
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1678.977+/-0.320 χ^2/NDF: 51176615.4/66

In: 4377.239+/-0.526 χ^2/NDF:5578911.4/53

Out: 1740.389+/-0.307 χ^2/NDF:46455919.7/60

All: 2407.919+/-0.265 χ^2/NDF: 70769286.7/1



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: 76.431+/-413.837 χ^2/NDF: 38.9/35

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

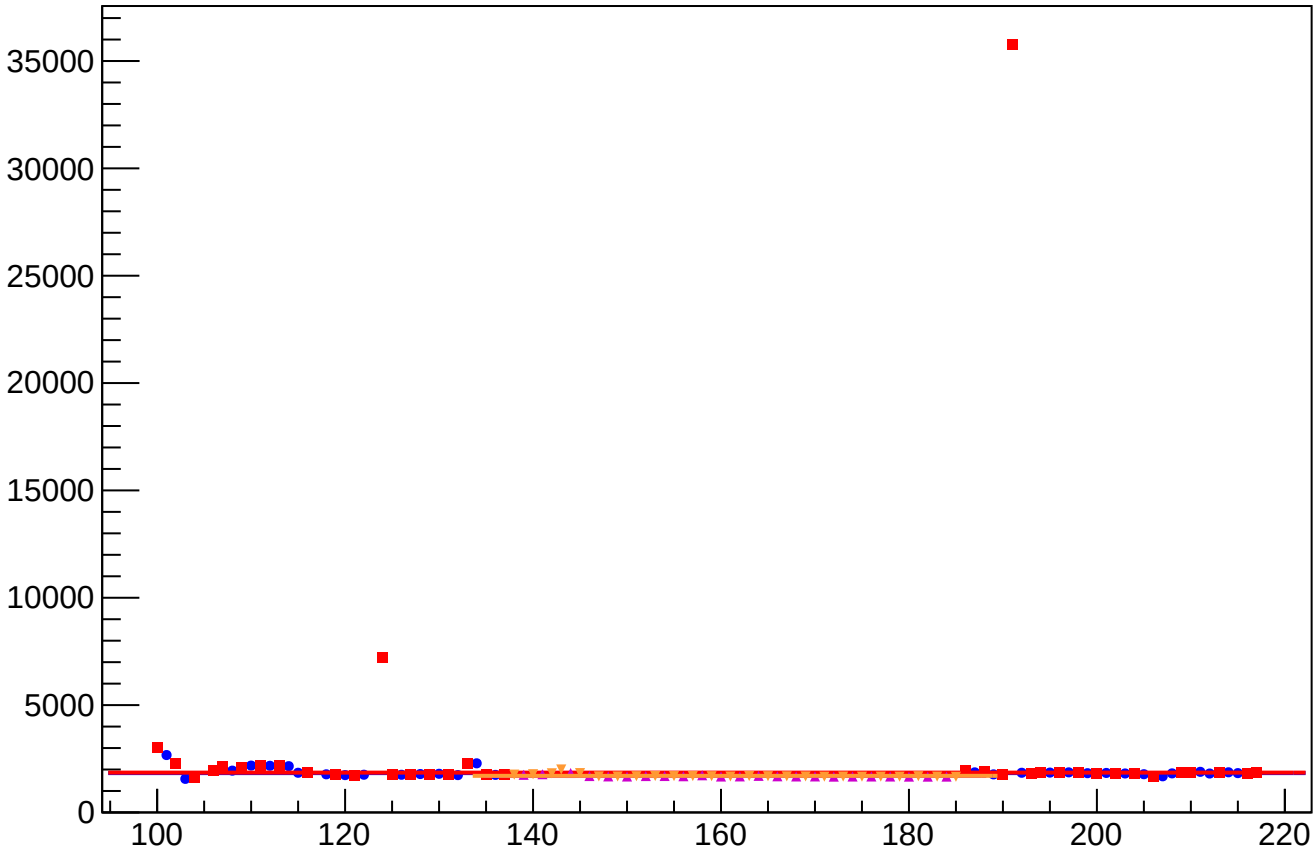
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -306.583+/-294.305 χ^2/NDF: 62.2/66

In: -709.513+/-287.852 χ^2/NDF:40.7/53

Out: 48.076+/-282.947 χ^2/NDF:68.4/60

All: -324.208+/-201.786 χ^2/NDF: 112.6/114



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: 1855.871+/-0.292 χ^2/NDF: 536981.7/35

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

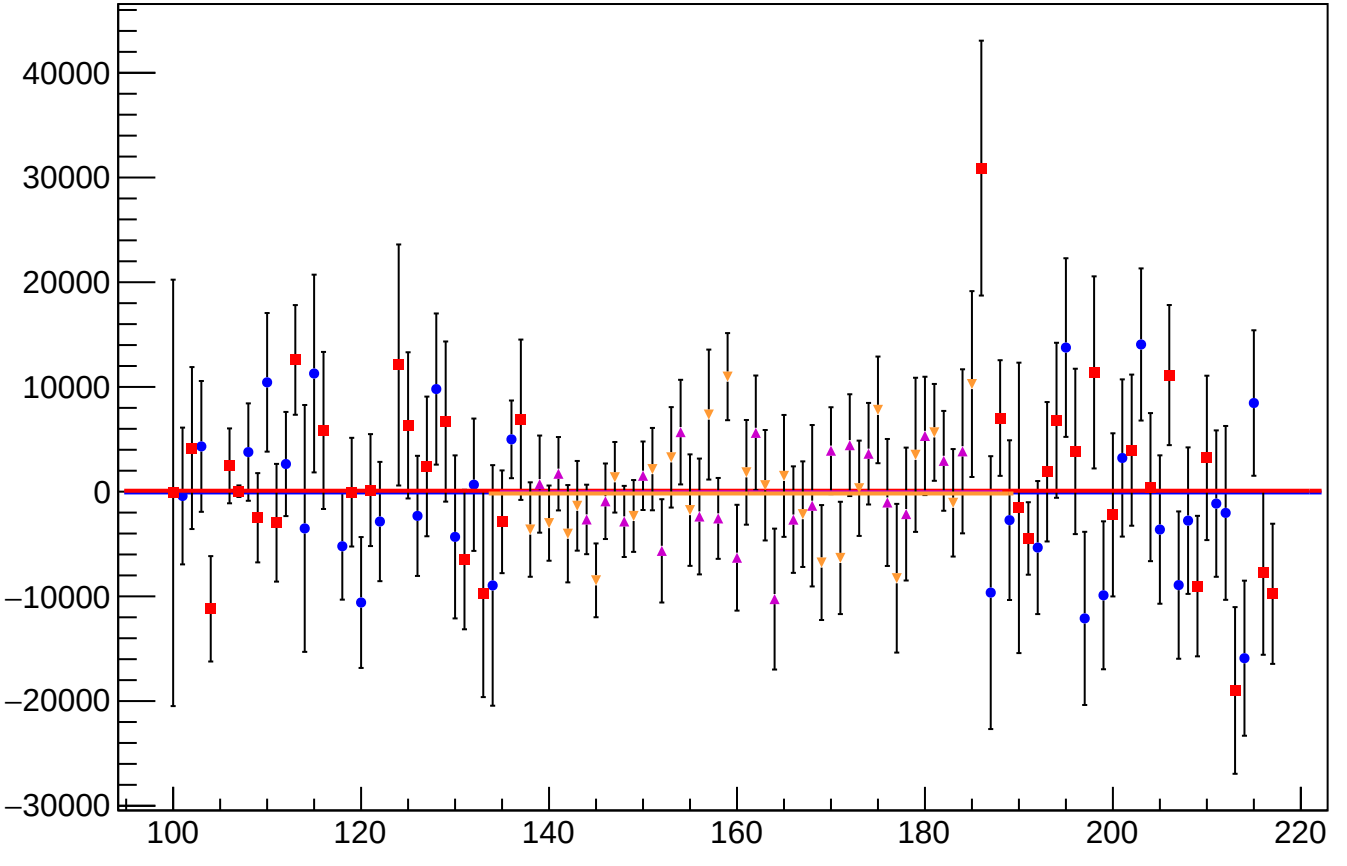
Right: 1844.432+/-0.208 χ^2/NDF: 821623.1/66

In: 1761.437+/-0.204 χ^2/NDF:412659.3/53

Out: 1775.919+/-0.200 χ^2/NDF:737386.0/60

All: 1768.805+/-0.143 χ^2/NDF: 1152621.0/11

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: 88.183+/-489.220 χ^2/NDF: 45.0/35

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

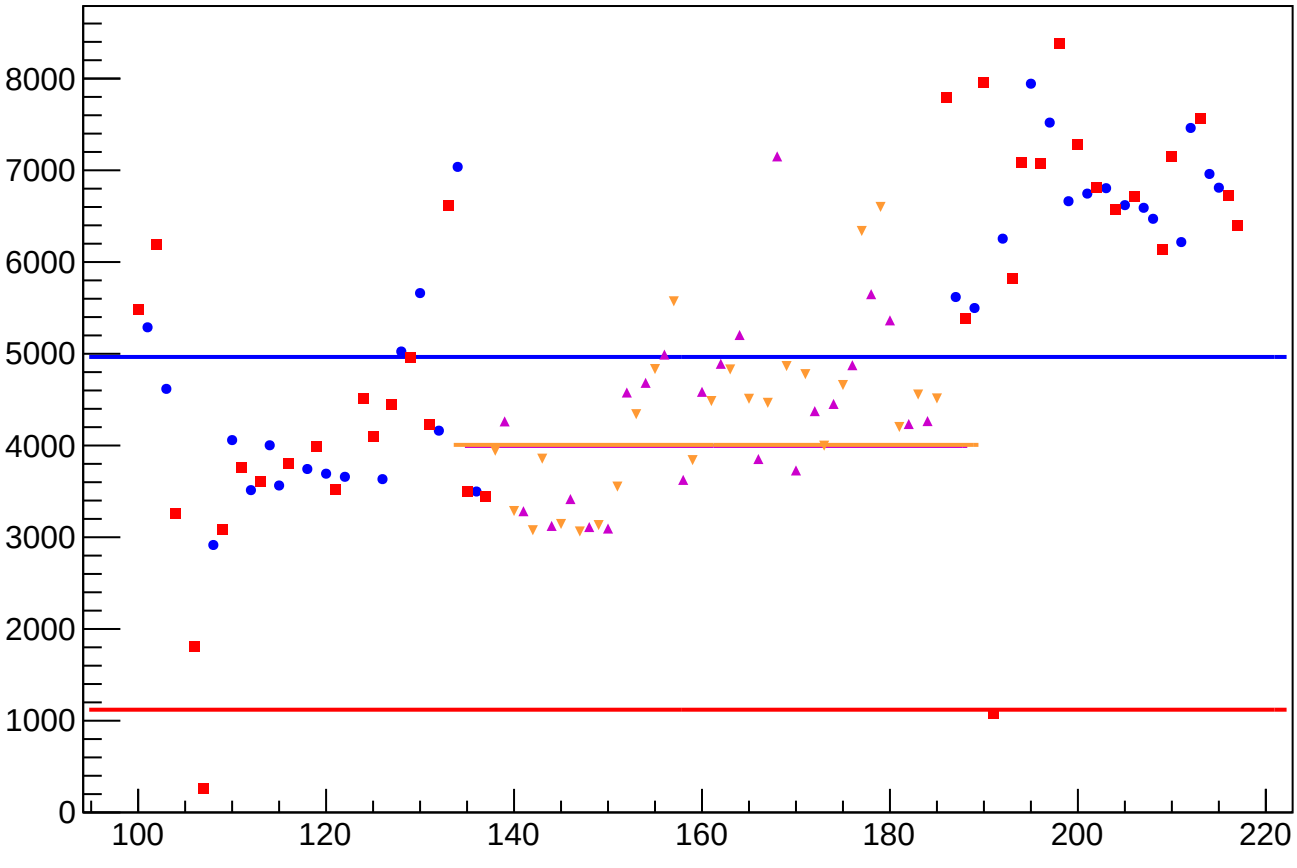
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 64.284+/-452.270 χ^2/NDF: 79.5/66

In: -64.202+/-744.552 χ^2/NDF:48.8/53

Out: 31.469+/-433.484 χ^2/NDF:73.0/60

All: 7.249+/-374.617 χ^2/NDF: 121.8/114



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: 1120.049+/-0.346 χ^2/NDF: 29986763.8/35

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

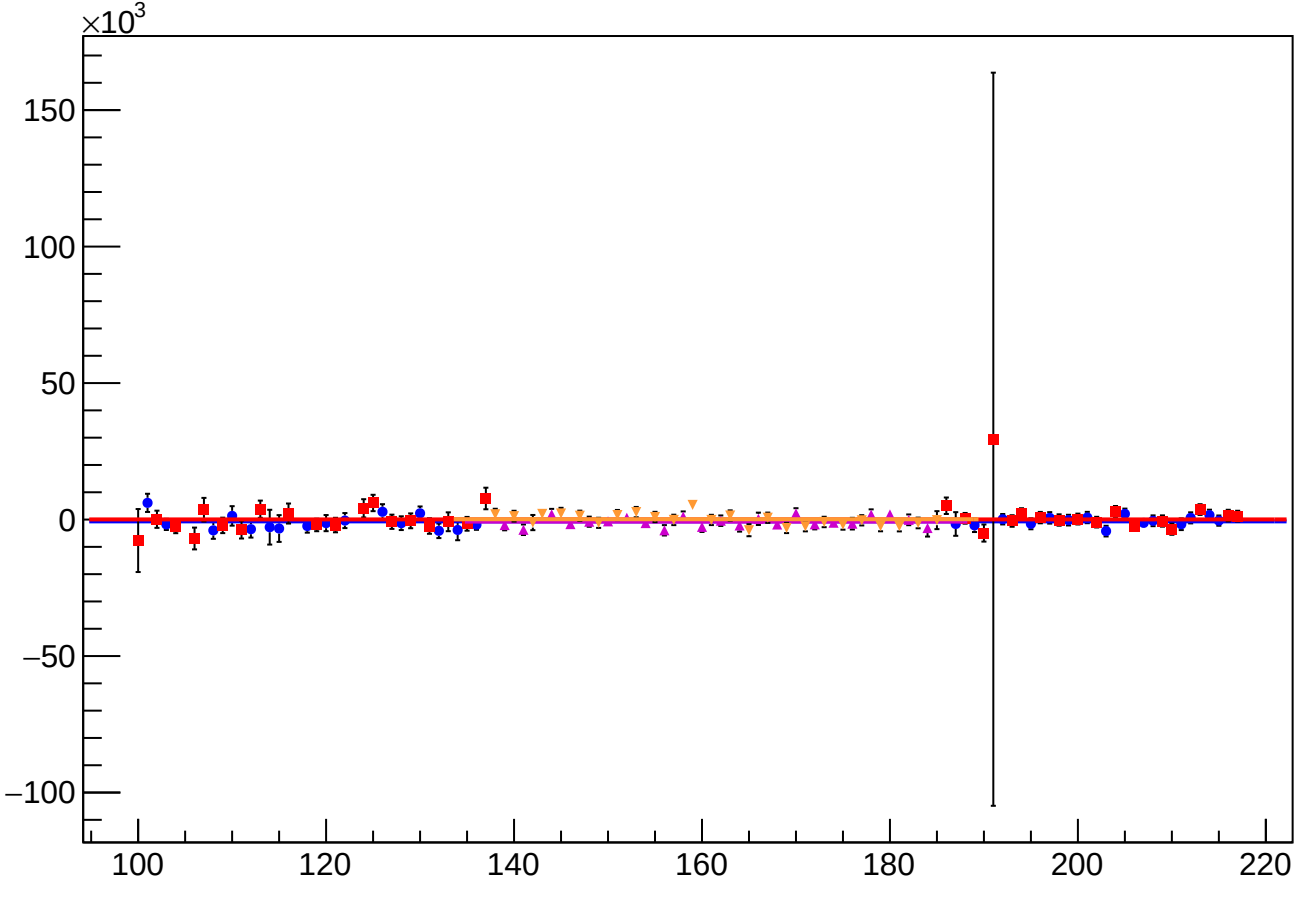
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1678.977+/-0.320 χ^2/NDF: 51176615.4/66

In: 4377.239+/-0.526 χ^2/NDF:5578911.4/53

Out: 1740.389+/-0.307 χ^2/NDF:46455919.7/60

All: 2407.919+/-0.265 χ^2/NDF: 70769286.7/1



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: 54.315+/-415.486 χ^2/NDF: 40.2/35

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

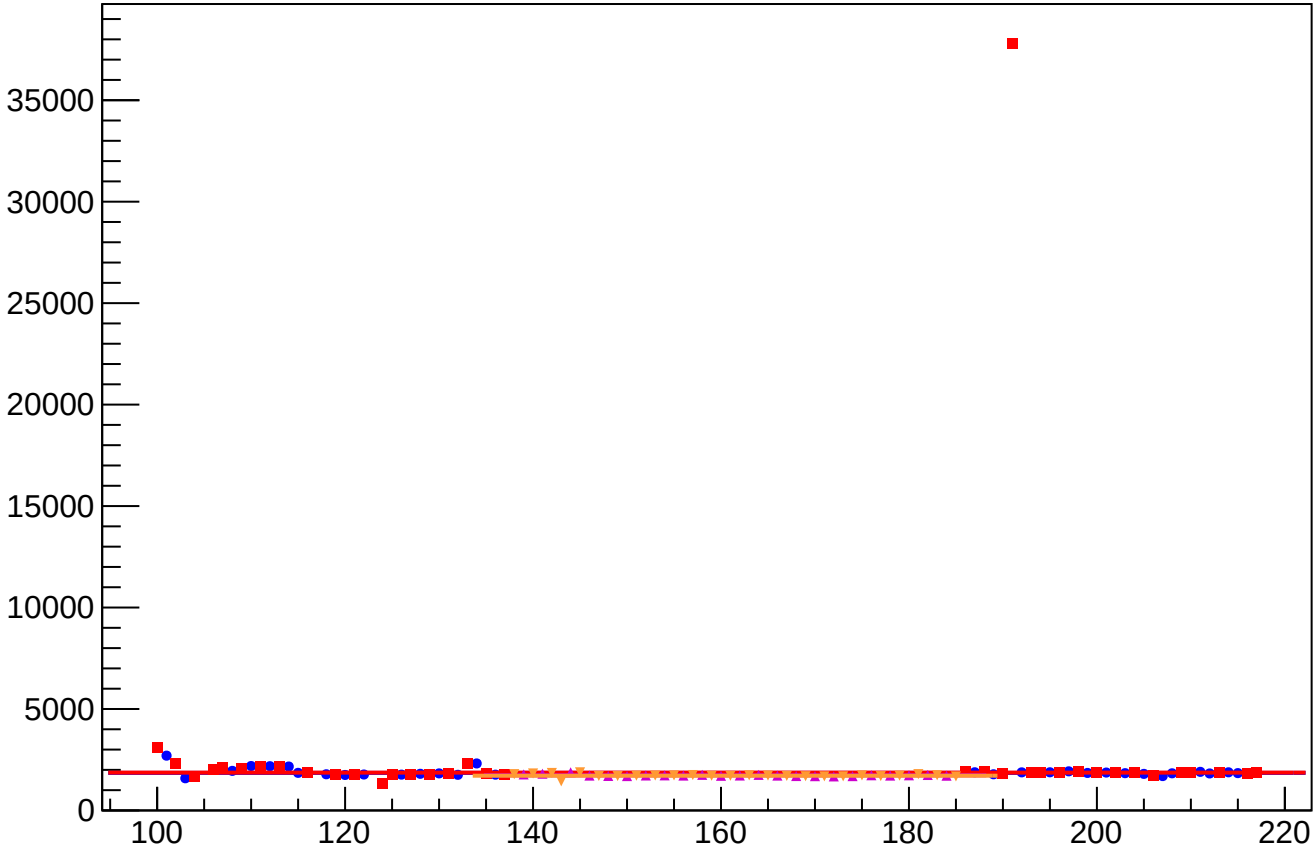
Right: -297.485+/-296.311 χ^2/NDF: 64.3/66

In: -703.183+/-292.119 χ^2/NDF:41.7/53

Out: 89.257+/-284.144 χ^2/NDF:69.9/60

All: -295.999+/-203.681 χ^2/NDF: 115.4/114

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: 1864.655+/-0.294 χ^2/NDF: 431355.2/35

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

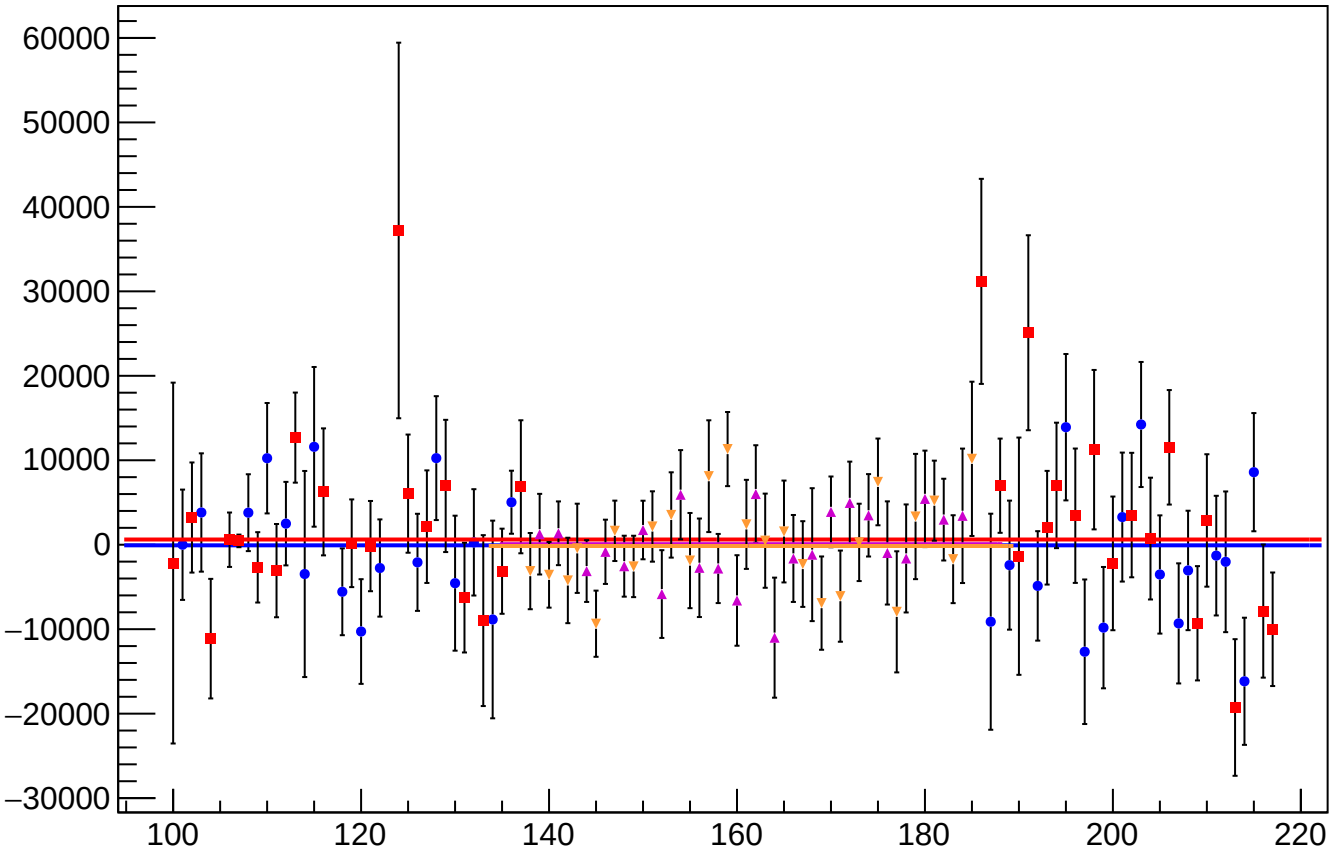
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1857.640+/-0.209 χ^2/NDF: 713677.8/66

In: 1787.669+/-0.207 χ^2/NDF:388490.1/53

Out: 1783.584+/-0.201 χ^2/NDF:668929.8/60

All: 1785.569+/-0.144 χ^2/NDF: 1057620.9/11



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: 618.103+/-621.147 χ^2/NDF: 46.1/35

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

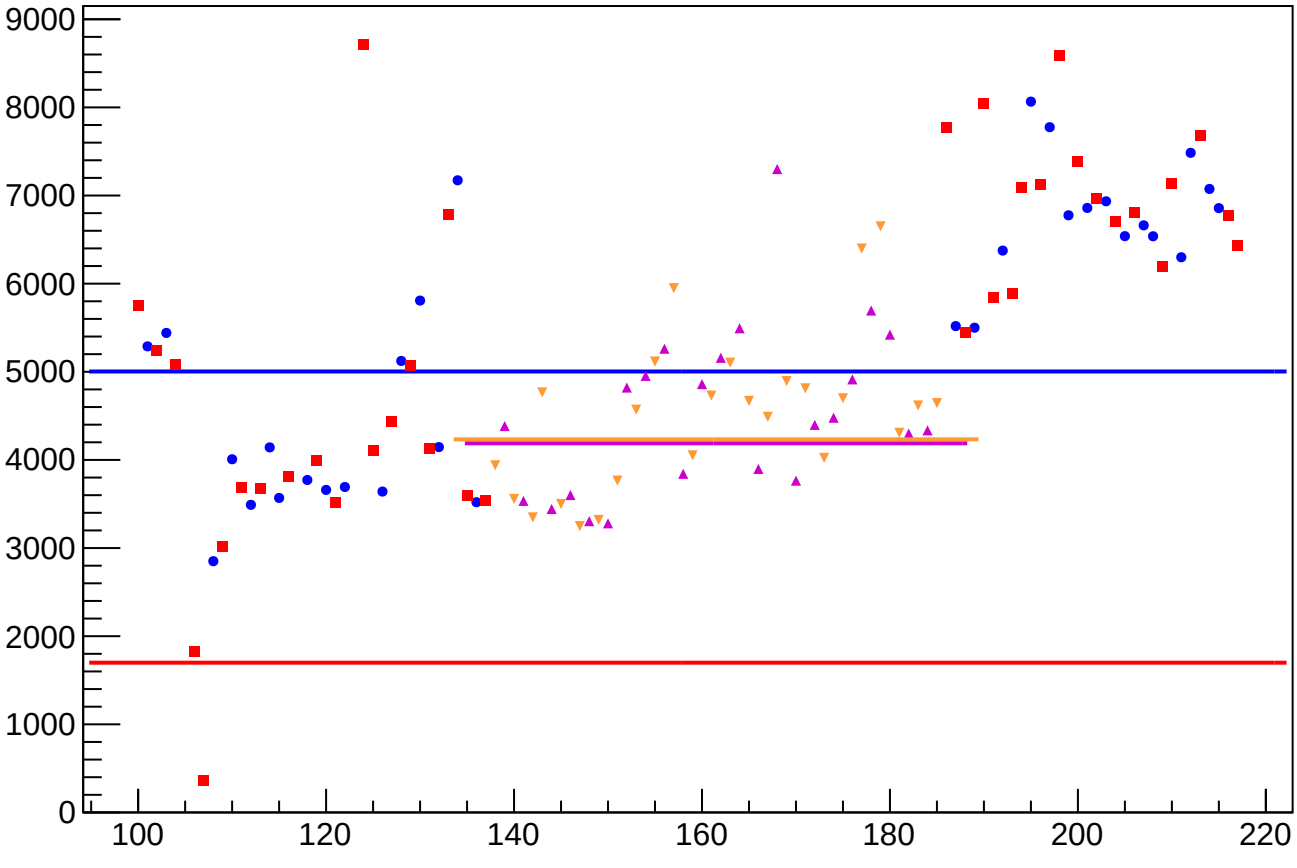
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 471.848+/-551.270 χ^2/NDF: 80.7/66

In: 9.285+/-767.303 χ^2/NDF:48.3/53

Out: 399.509+/-525.401 χ^2/NDF:73.4/60

All: 274.948+/-433.511 χ^2/NDF: 121.9/114



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: 1699.450+/-0.439 χ^2/NDF: 26155173.8/35

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

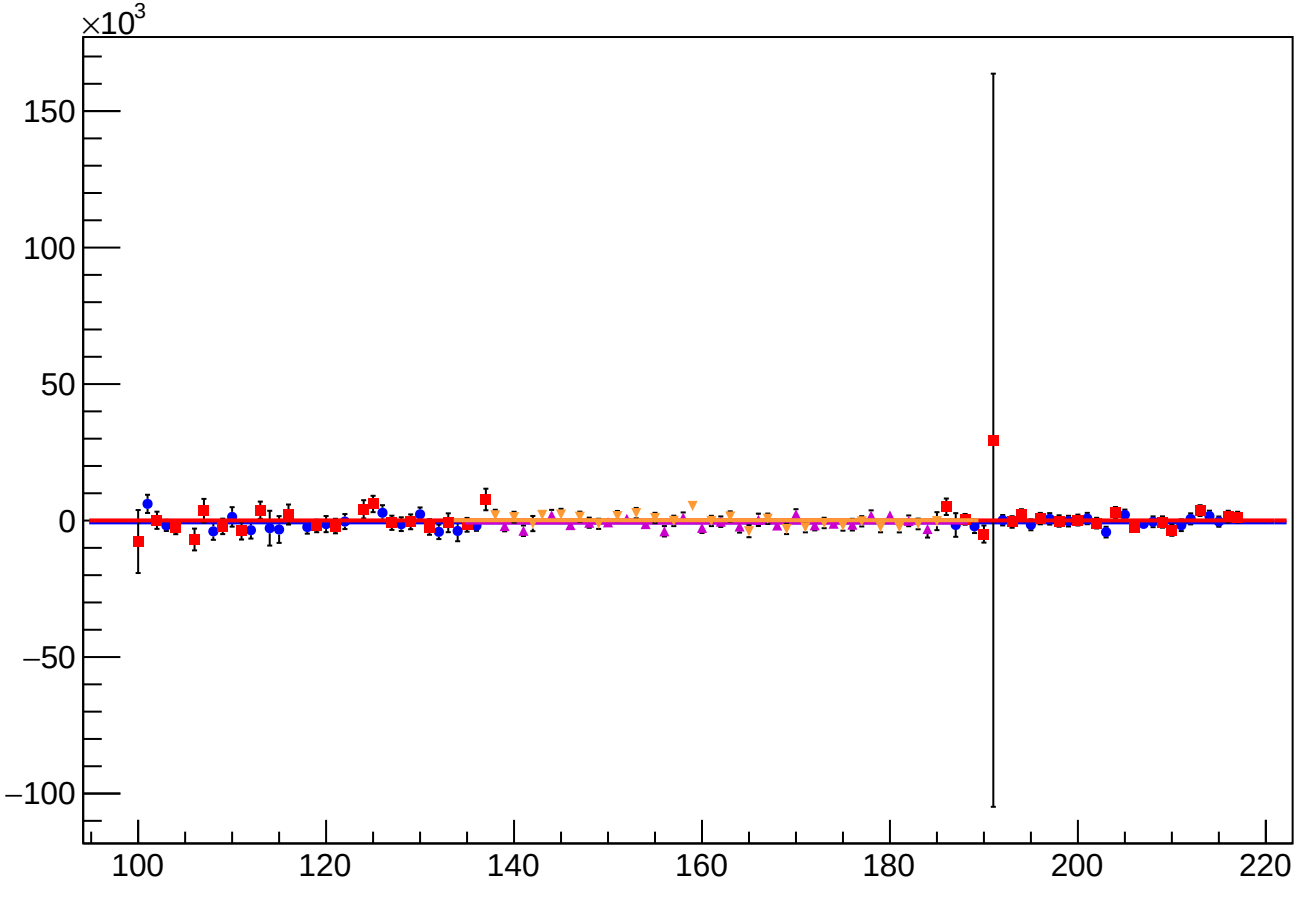
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2401.007+/-0.390 χ^2/NDF: 41559176.1/66

In: 4523.949+/-0.543 χ^2/NDF:5278957.2/53

Out: 2420.572+/-0.372 χ^2/NDF:36913966.0/60

All: 3091.975+/-0.307 χ^2/NDF: 52424633.5/1



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: 54.313+/-415.486 χ^2/NDF: 40.2/35

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

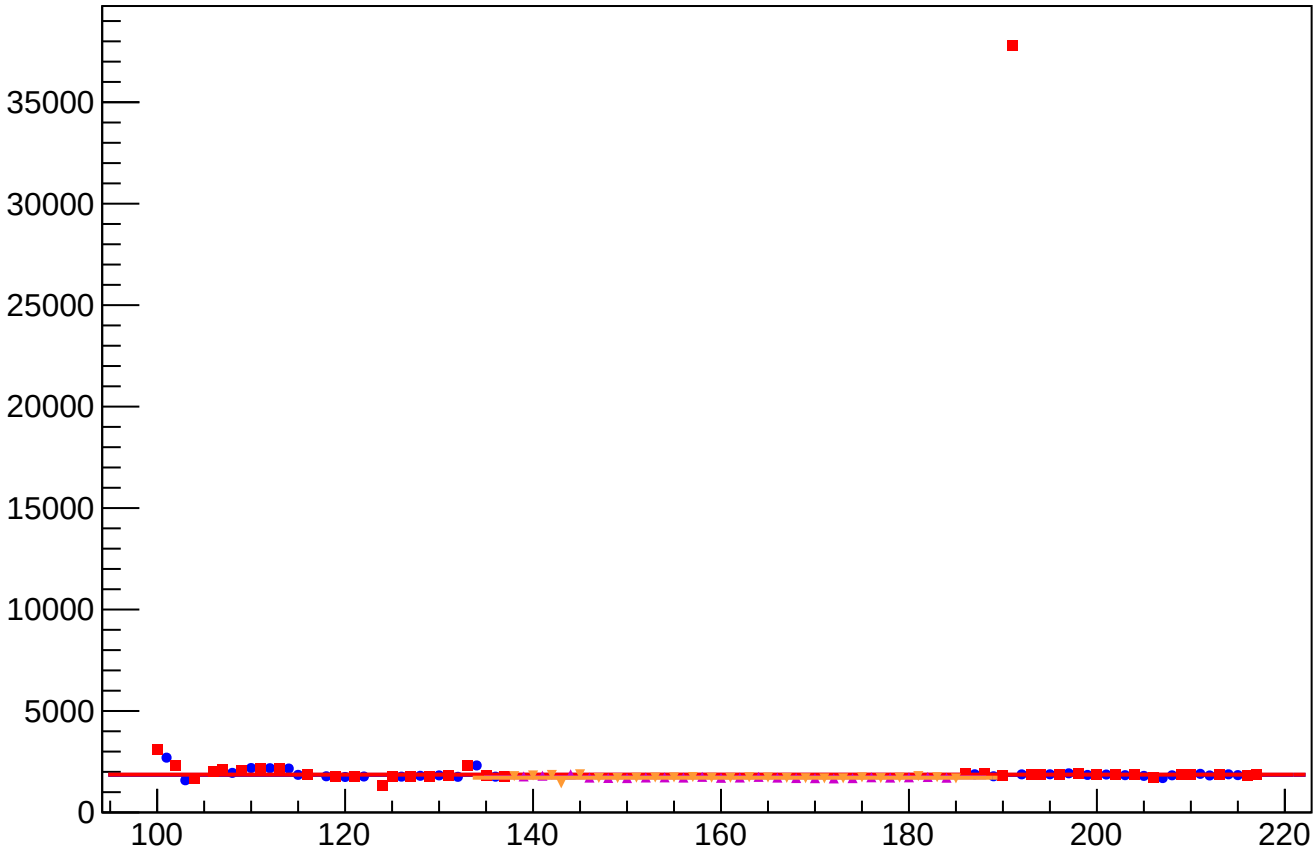
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -297.485+/-296.311 χ^2/NDF: 64.3/66

In: -703.182+/-292.119 χ^2/NDF:41.7/53

Out: 89.258+/-284.145 χ^2/NDF:69.9/60

All: -295.998+/-203.682 χ^2/NDF: 115.4/114



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: 1864.655+/-0.294 χ^2/NDF: 431355.5/35

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

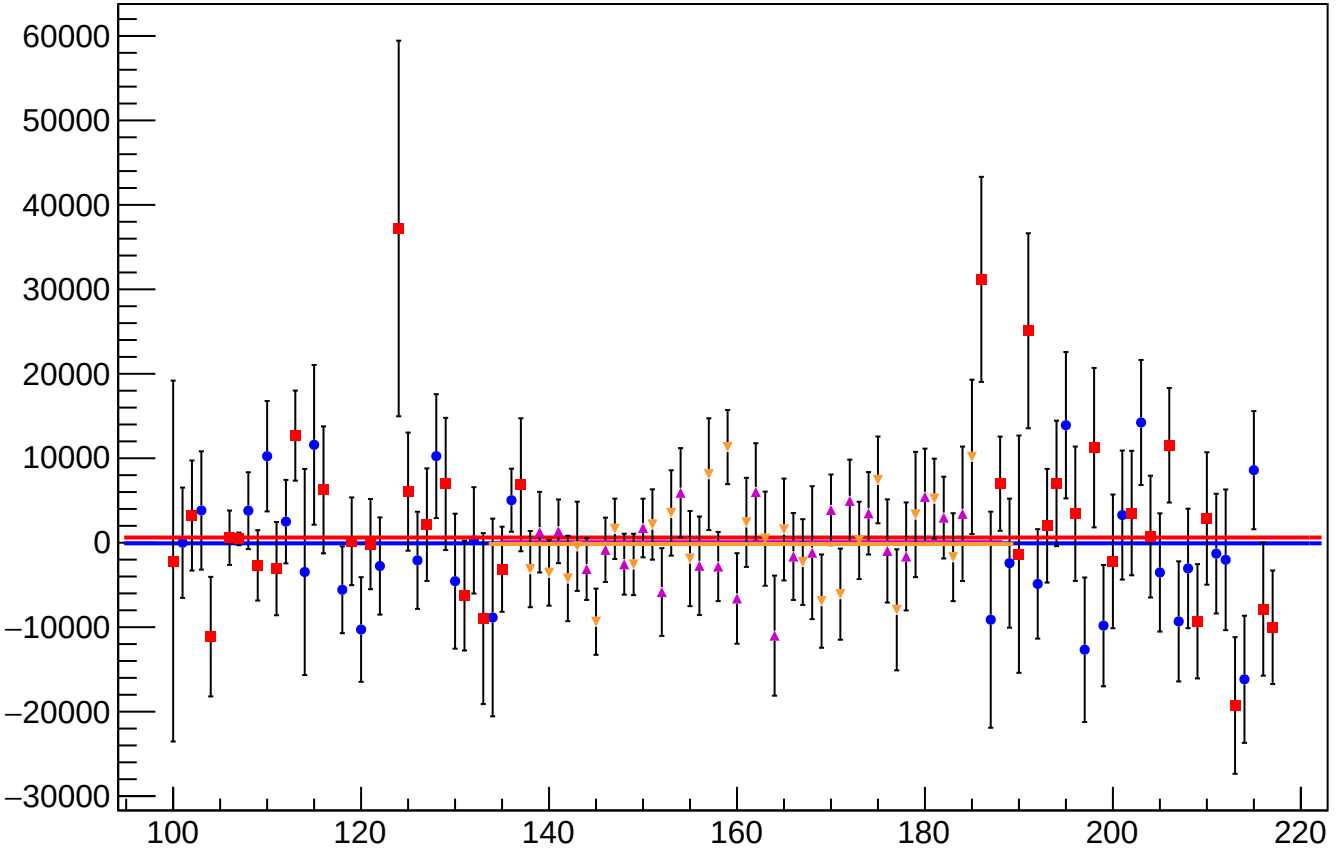
Right: 1857.640+/-0.209 χ^2/NDF: 713678.0/66

In: 1787.669+/-0.207 χ^2/NDF:388489.2/53

Out: 1783.584+/-0.201 χ^2/NDF:668928.2/60

All: 1785.570+/-0.144 χ^2/NDF: 1057618.4/11

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: 618.113+/-621.157 χ^2/NDF: 46.1/35

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

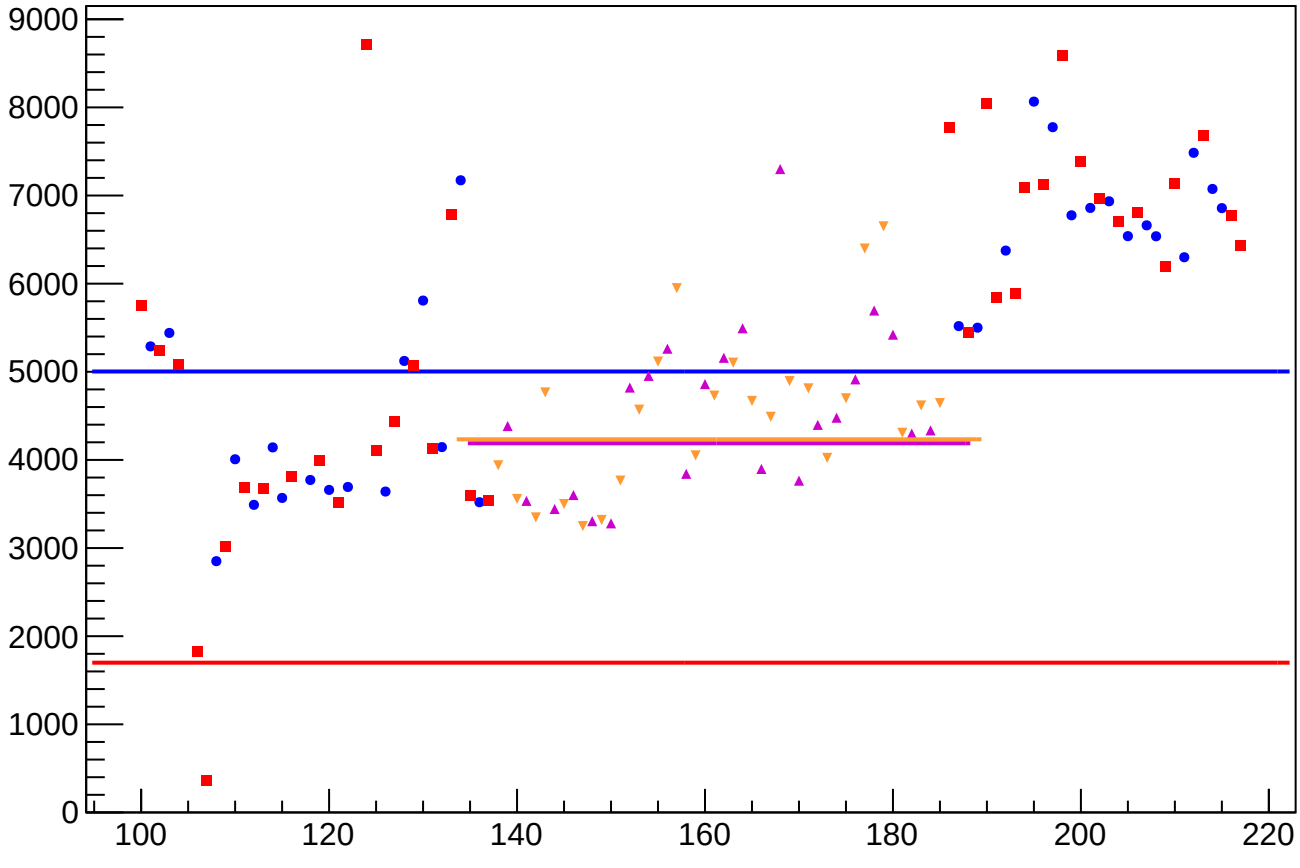
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 471.851+/-551.277 χ^2/NDF: 80.7/66

In: 9.282+/-767.304 χ^2/NDF:48.3/53

Out: 399.512+/-525.407 χ^2/NDF:73.4/60

All: 274.948+/-433.514 χ^2/NDF: 121.9/114



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: 1699.495+/-0.439 χ^2/NDF: 26154821.7/35

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

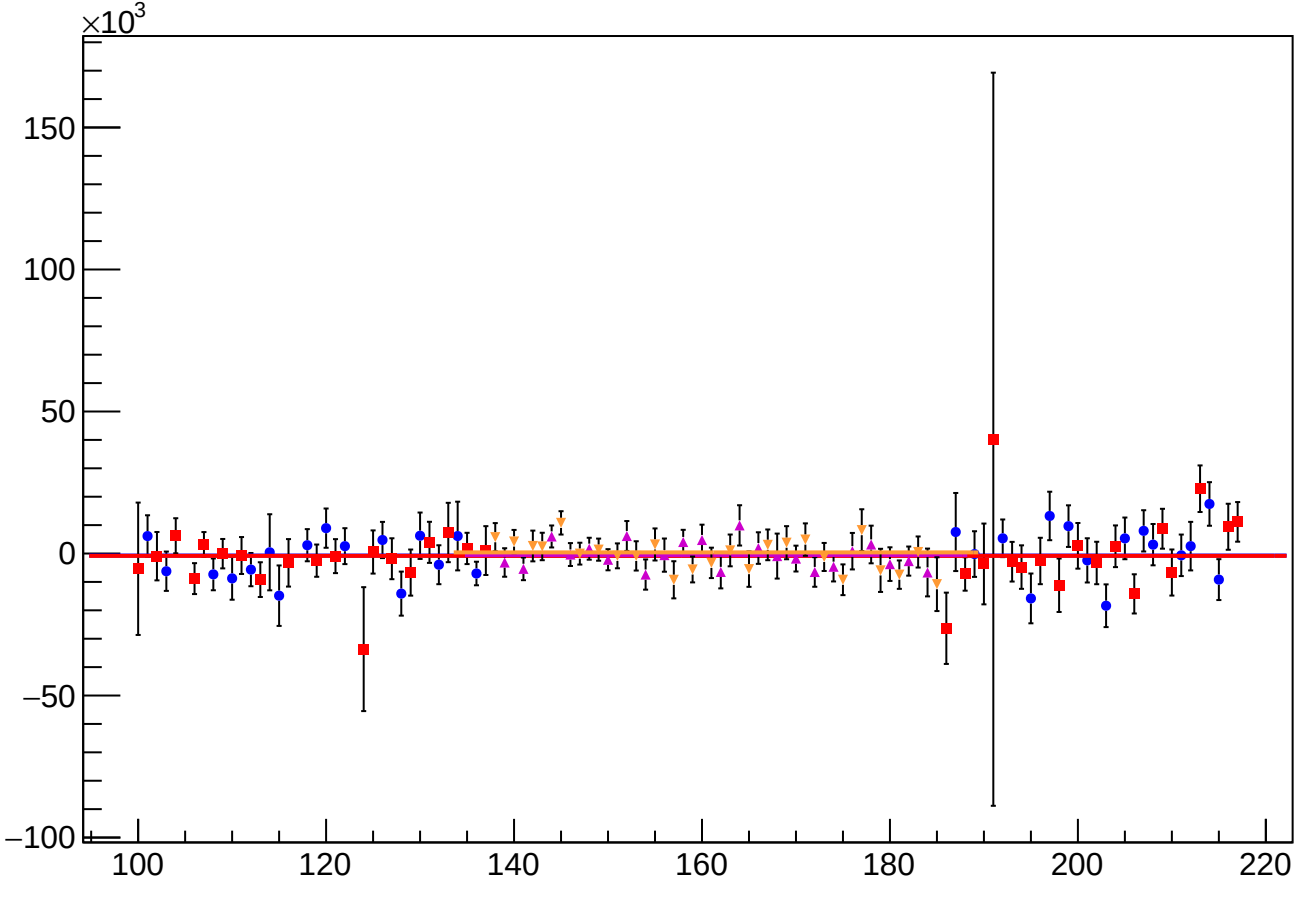
Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

Right: 2401.058+/-0.390 χ^2/NDF: 41558426.0/66

In: 4523.952+/-0.543 χ^2/NDF:5278974.5/53

Out: 2420.619+/-0.372 χ^2/NDF:36913224.0/60

All: 3092.018+/-0.307 χ^2/NDF: 52423389.3/1



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: -830.076+/-1211.701 χ^2/NDF: 37.2/35

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

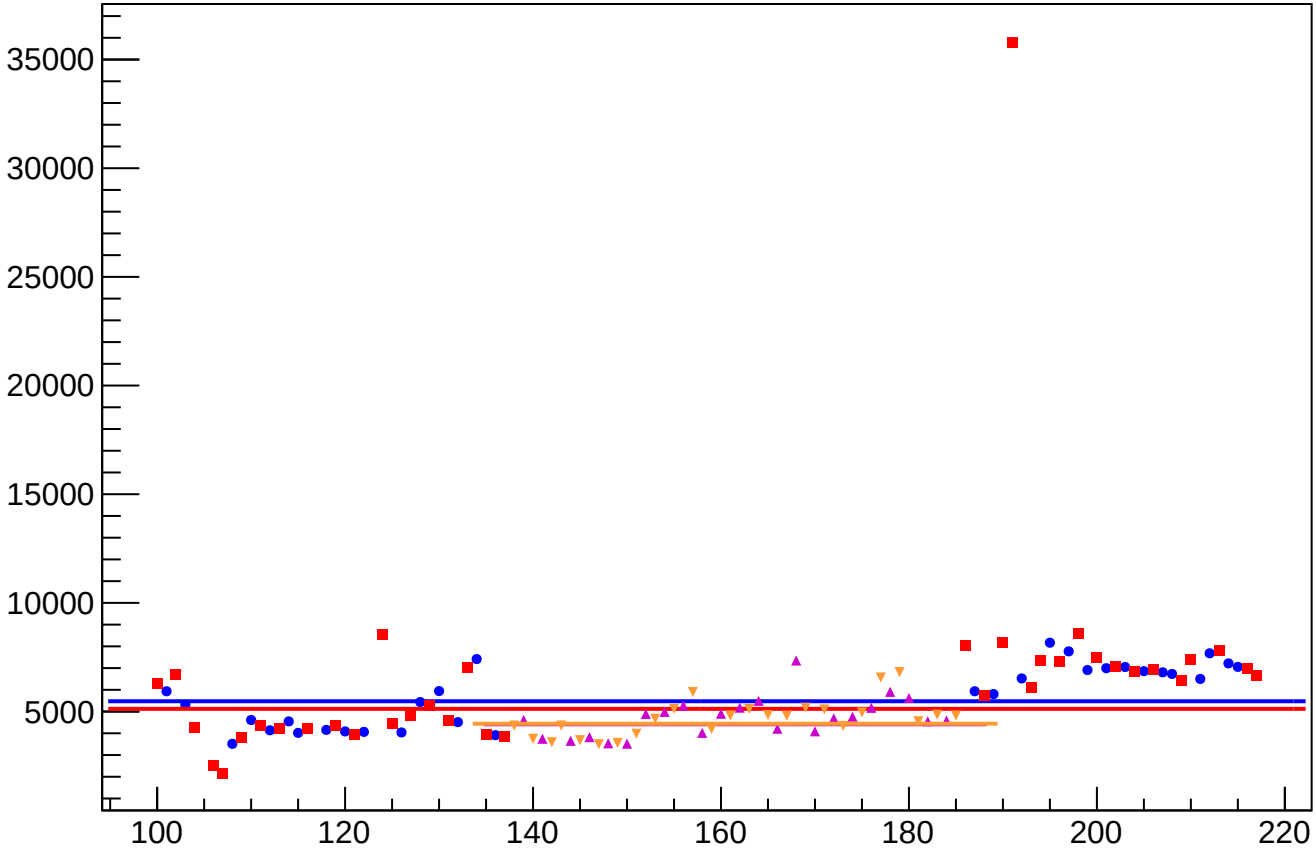
Right: -775.015+/-883.322 χ^2/NDF: 77.6/66

In: -586.449+/-814.298 χ^2/NDF:57.8/53

Out: -116.039+/-784.086 χ^2/NDF:62.5/60

All: -342.356+/-564.811 χ^2/NDF: 120.5/114

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: 5125.151+/-0.852 χ^2/NDF: 4402554.2/35

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

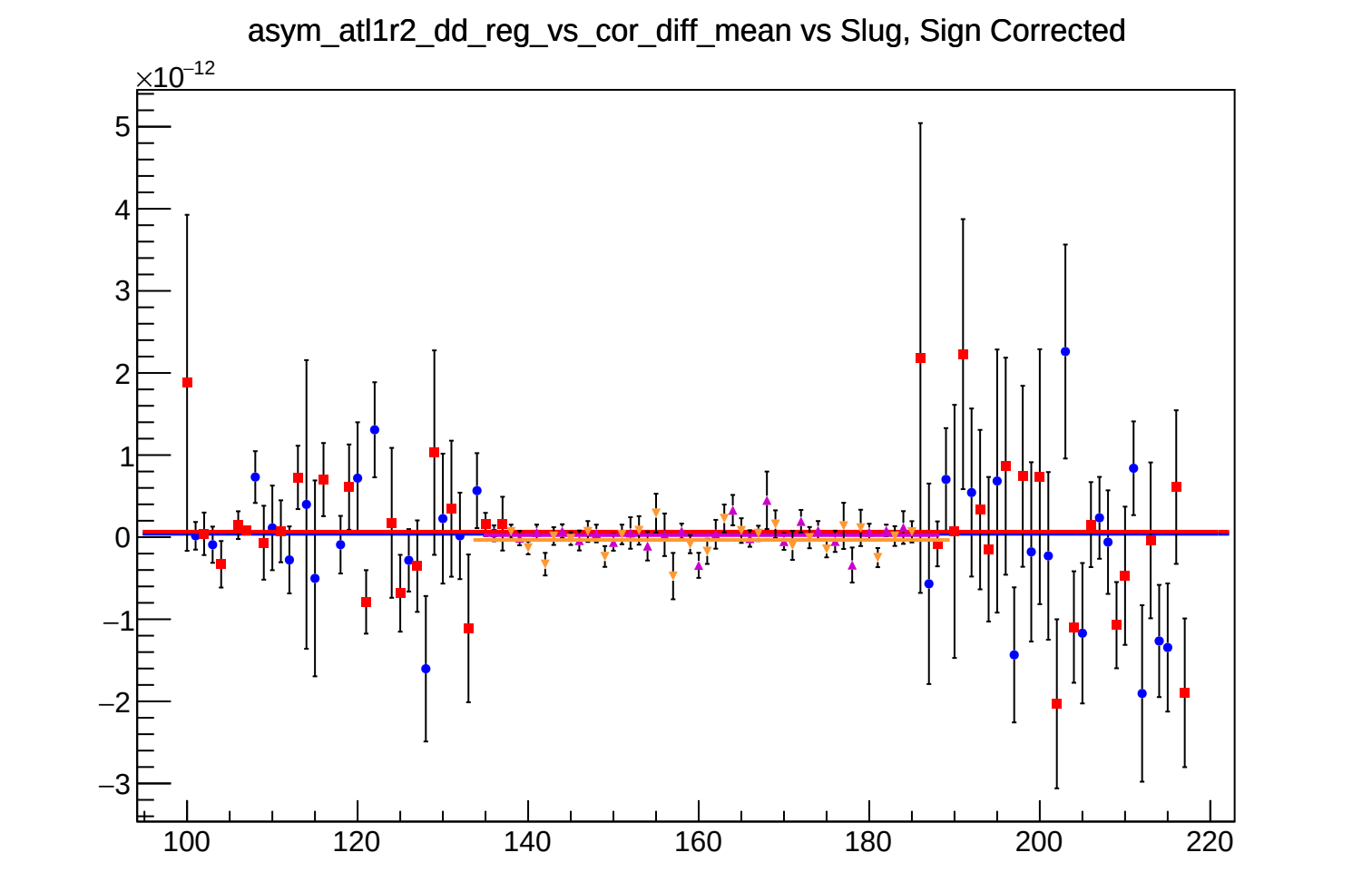
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 5287.787+/-0.623 χ^2/NDF: 6882594.5/66

In: 4837.123+/-0.576 χ^2/NDF:4323937.5/53

Out: 4729.413+/-0.553 χ^2/NDF:5849140.8/60

All: 4781.094+/-0.399 χ^2/NDF: 10191281.0/1



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: 41.1/35

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

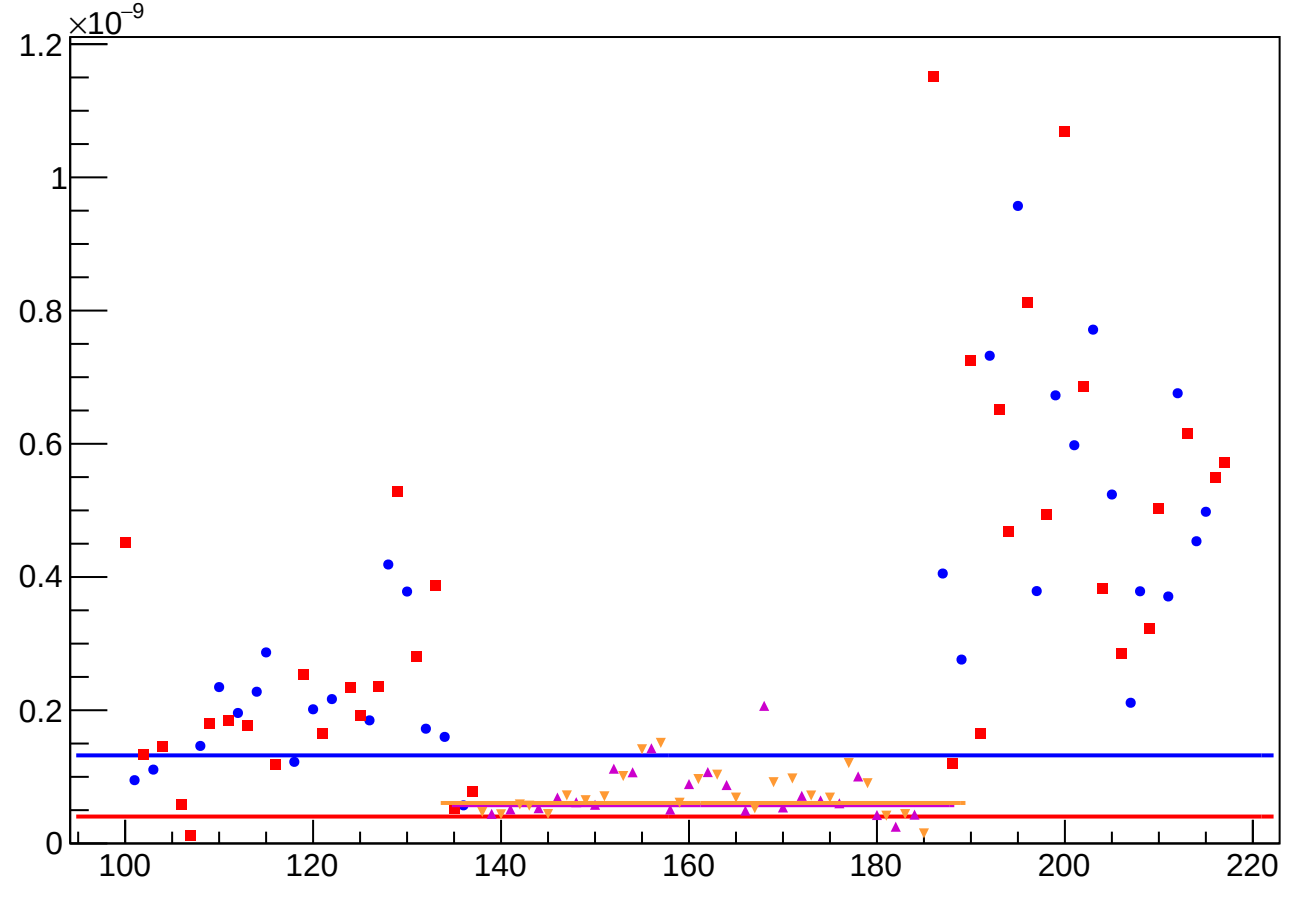
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 81.0/66

In: 0.000+/-0.000 χ^2/NDF:59.1/53

Out: 0.000+/-0.000 χ^2/NDF:75.7/60

All: 0.000+/-0.000 χ^2/NDF: 135.4/114



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: 13557186.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

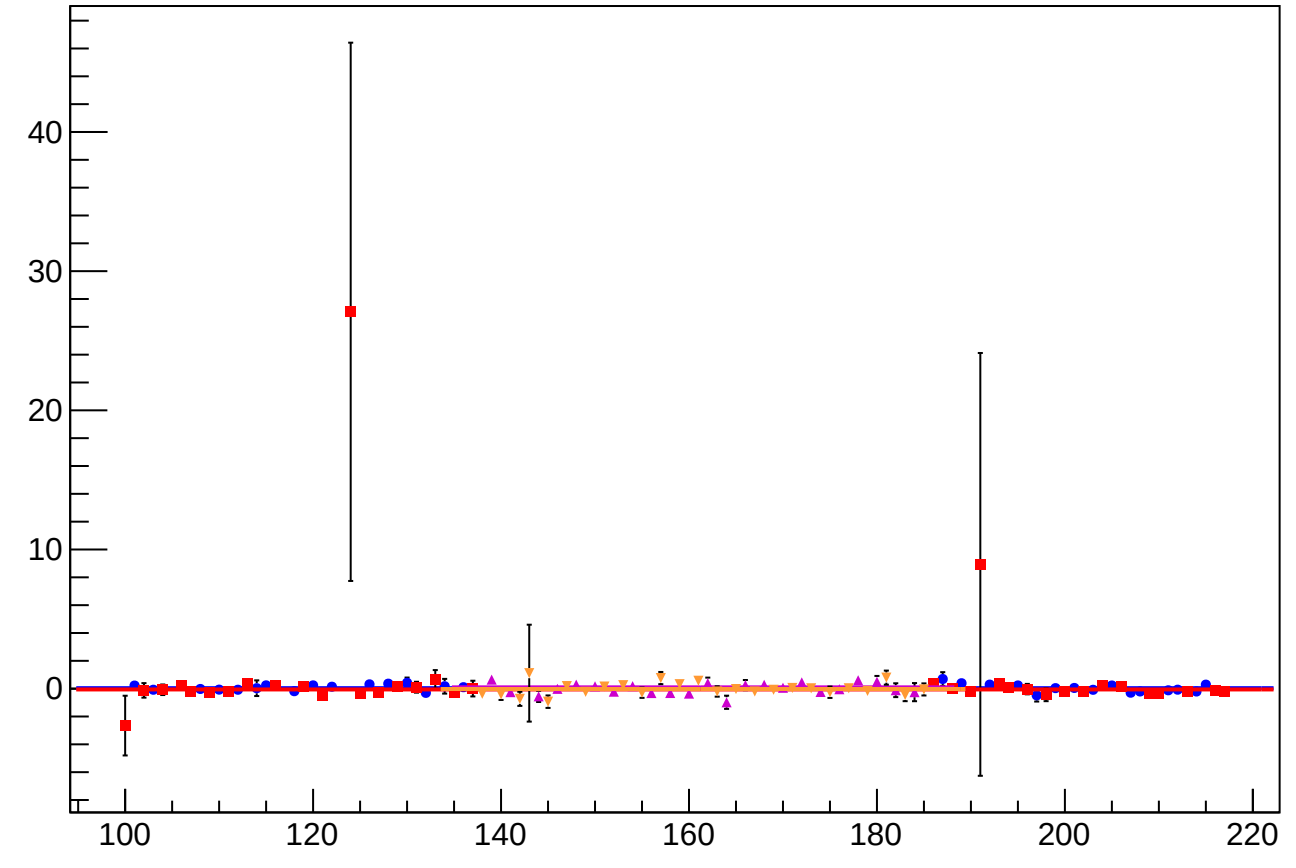
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 24307386.7/66

In: 0.000+/-0.000 χ^2/NDF:11752633.1/53

Out: 0.000+/-0.000 χ^2/NDF:15776415.4/60

All: 0.000+/-0.000 χ^2/NDF: 27927795.8/114



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: -0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

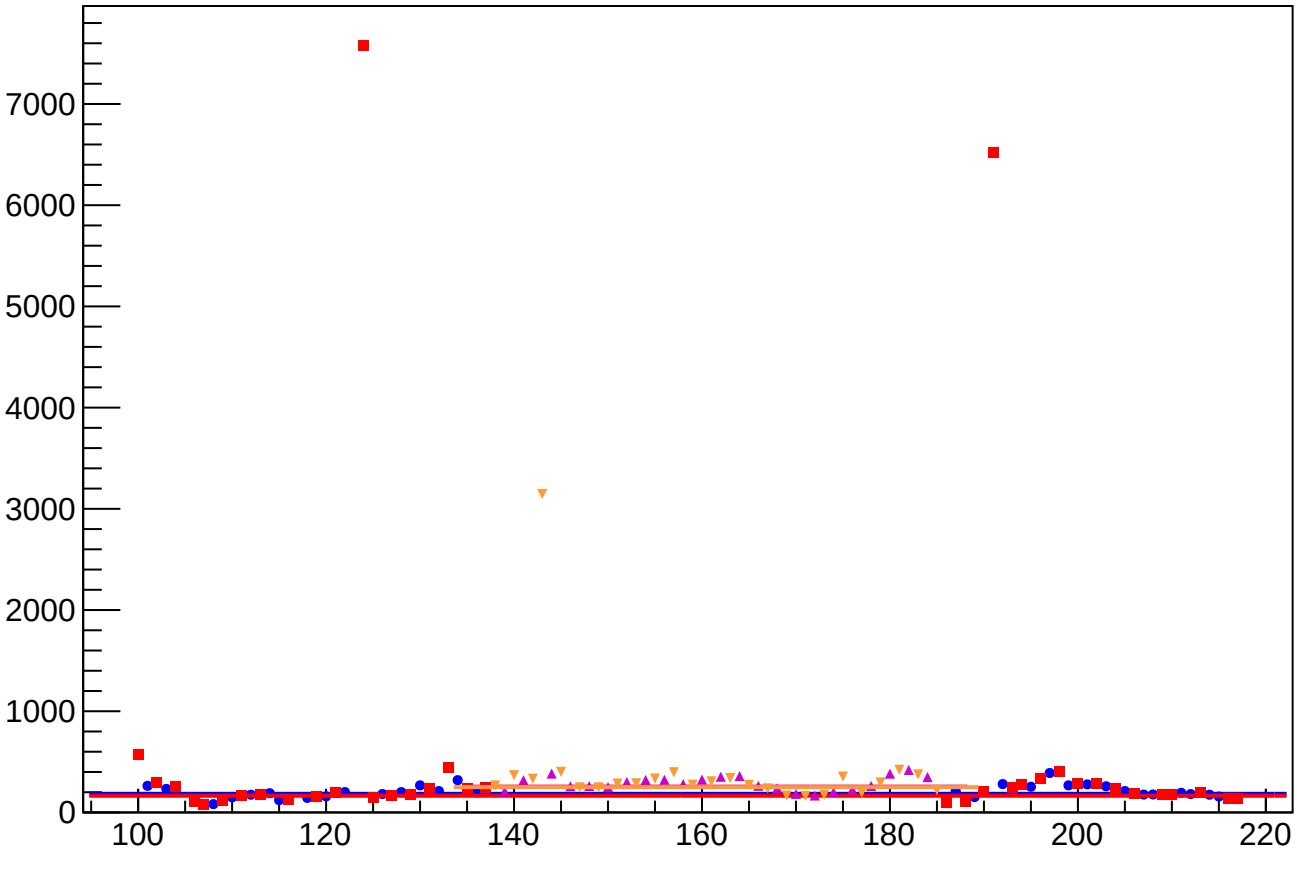
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.015+/-0.030 χ^2/NDF: 64.6/66

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.046+/-0.034 χ^2/NDF:61.3/60

All: 0.001+/-0.025 χ^2/NDF: 122.3/114



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: 164.987+/-0.029 χ^2/NDF: 5445989.2/35

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

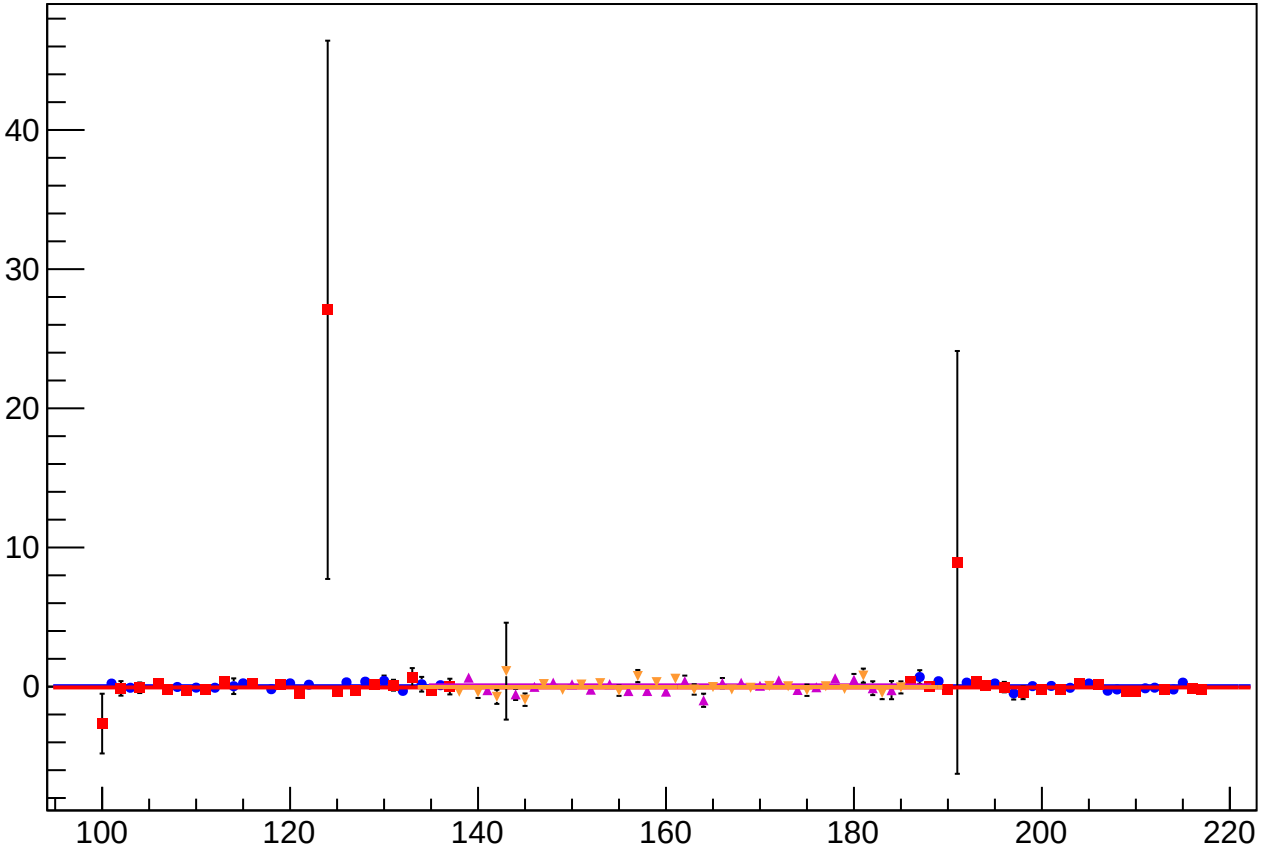
Right: 173.636+/-0.021 χ^2/NDF: 8684907.7/66

In: 208.044+/-0.026 χ^2/NDF:6841294.6/53

Out: 190.604+/-0.024 χ^2/NDF:12328760.6/60

All: 198.672+/-0.018 χ^2/NDF: 19415591.1/11

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: -0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

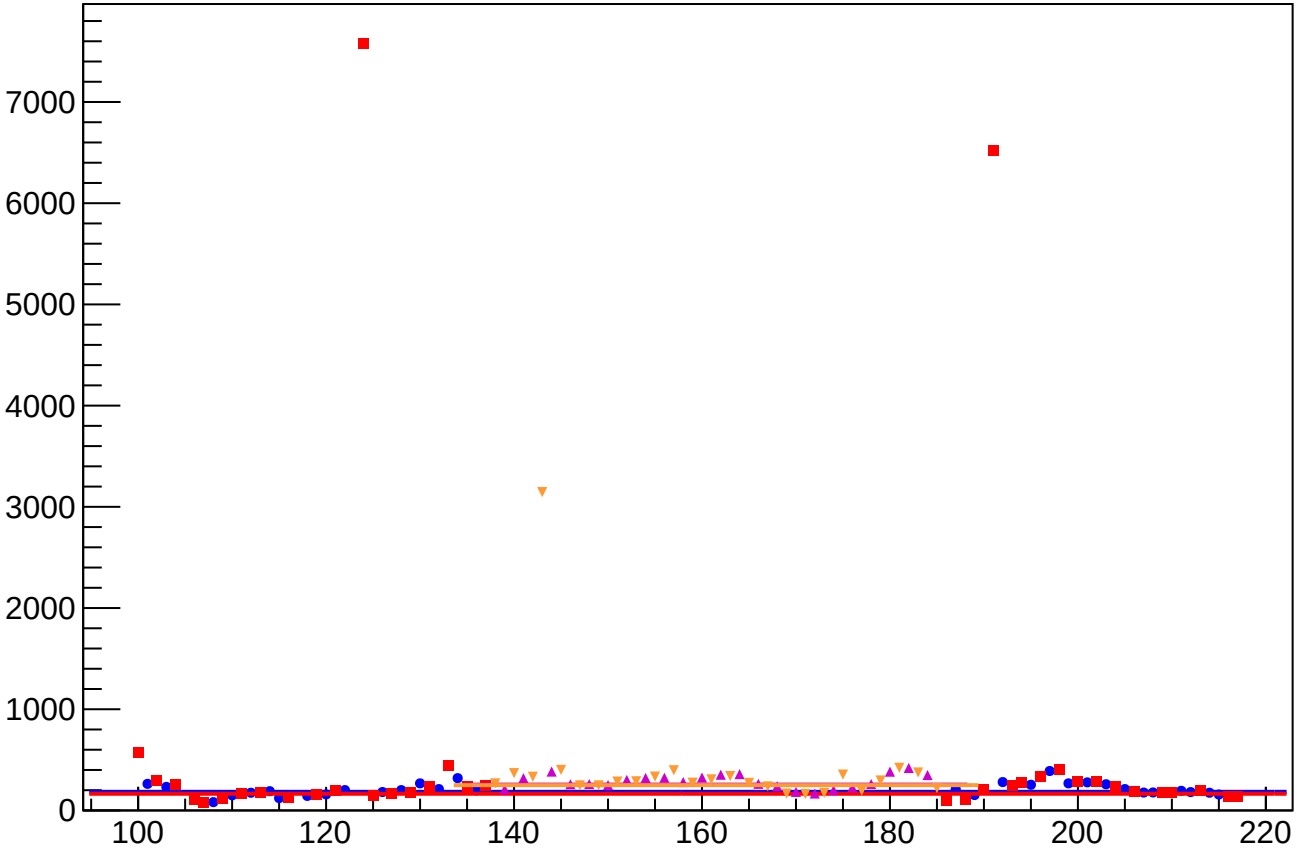
Right: -0.015+/-0.030 χ^2/NDF: 64.6/66

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.046+/-0.034 χ^2/NDF:61.3/60

All: 0.001+/-0.025 χ^2/NDF: 122.3/114

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 164.987+/-0.029 χ^2/NDF: 5445989.2/35

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

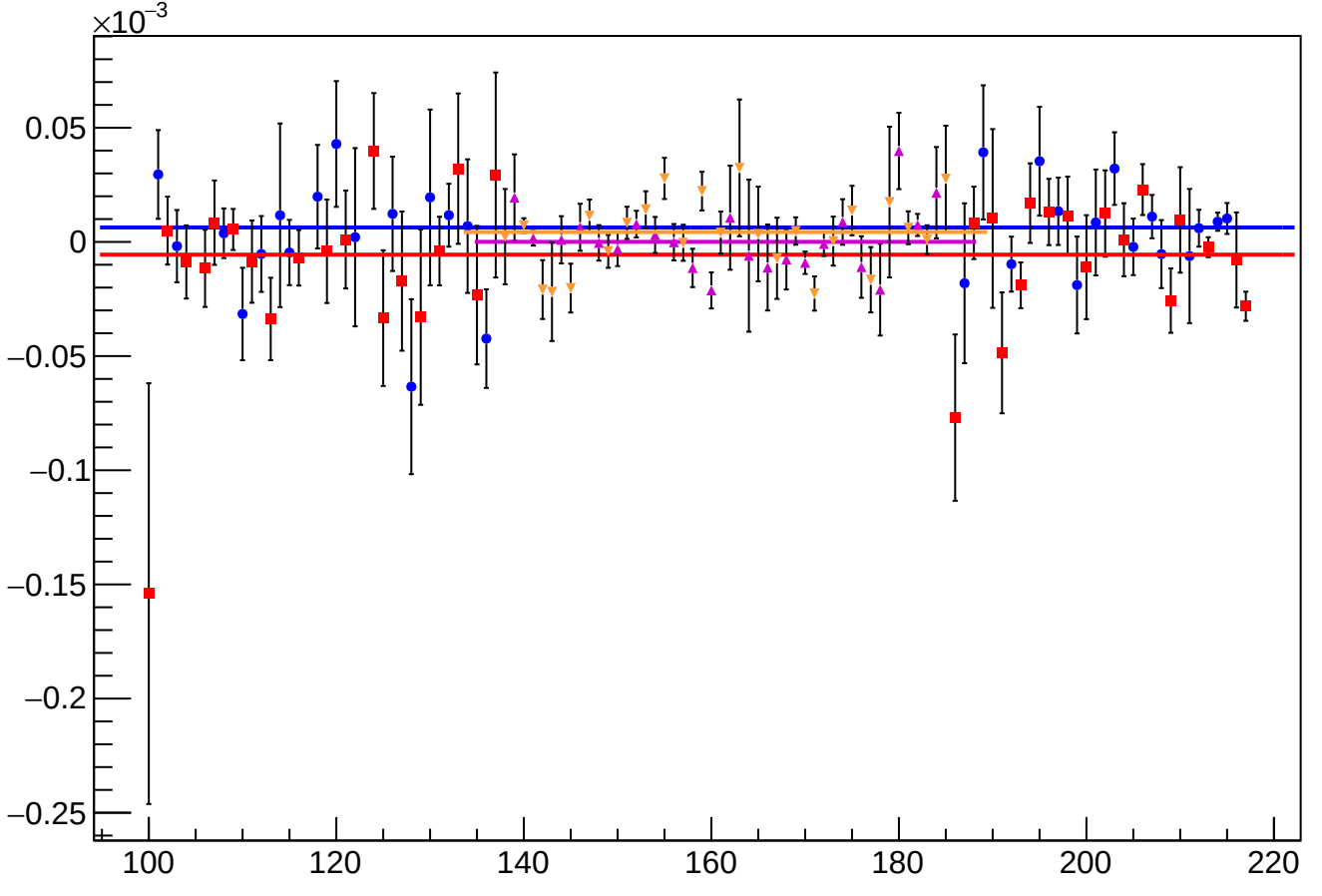
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 173.636+/-0.021 χ^2/NDF: 8684907.7/66

In: 208.044+/-0.026 χ^2/NDF:6841294.6/53

Out: 190.604+/-0.024 χ^2/NDF:12328760.6/60

All: 198.672+/-0.018 χ^2/NDF: 19415591.1/11



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: 51.7/35

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

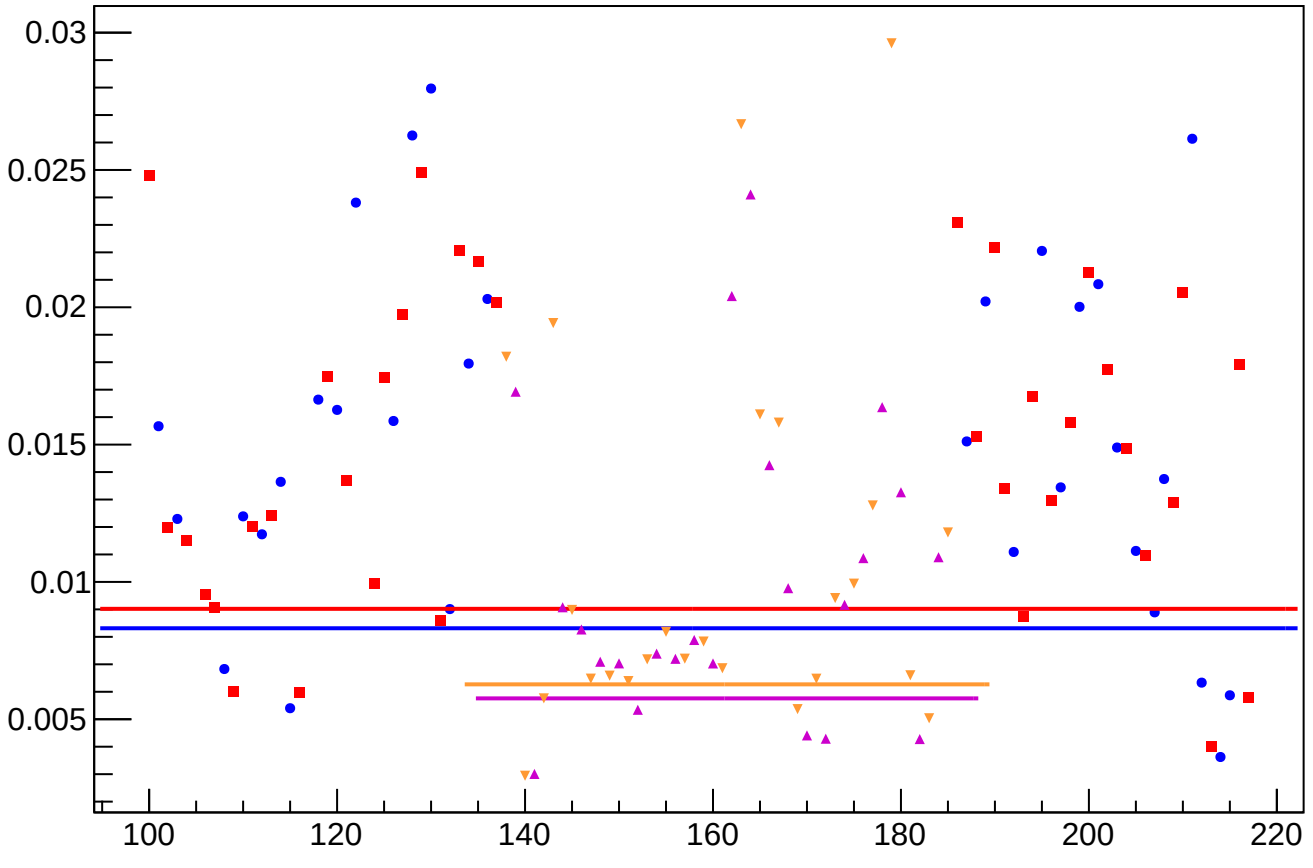
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 93.8/66

In: 0.000+/-0.000 χ^2/NDF:62.9/53

Out: 0.000+/-0.000 χ^2/NDF:109.9/60

All: 0.000+/-0.000 χ^2/NDF: 173.1/114



Right In: 0.008+/-0.000 χ^2/NDF: 10700413.8/30

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 9807443.3/35

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

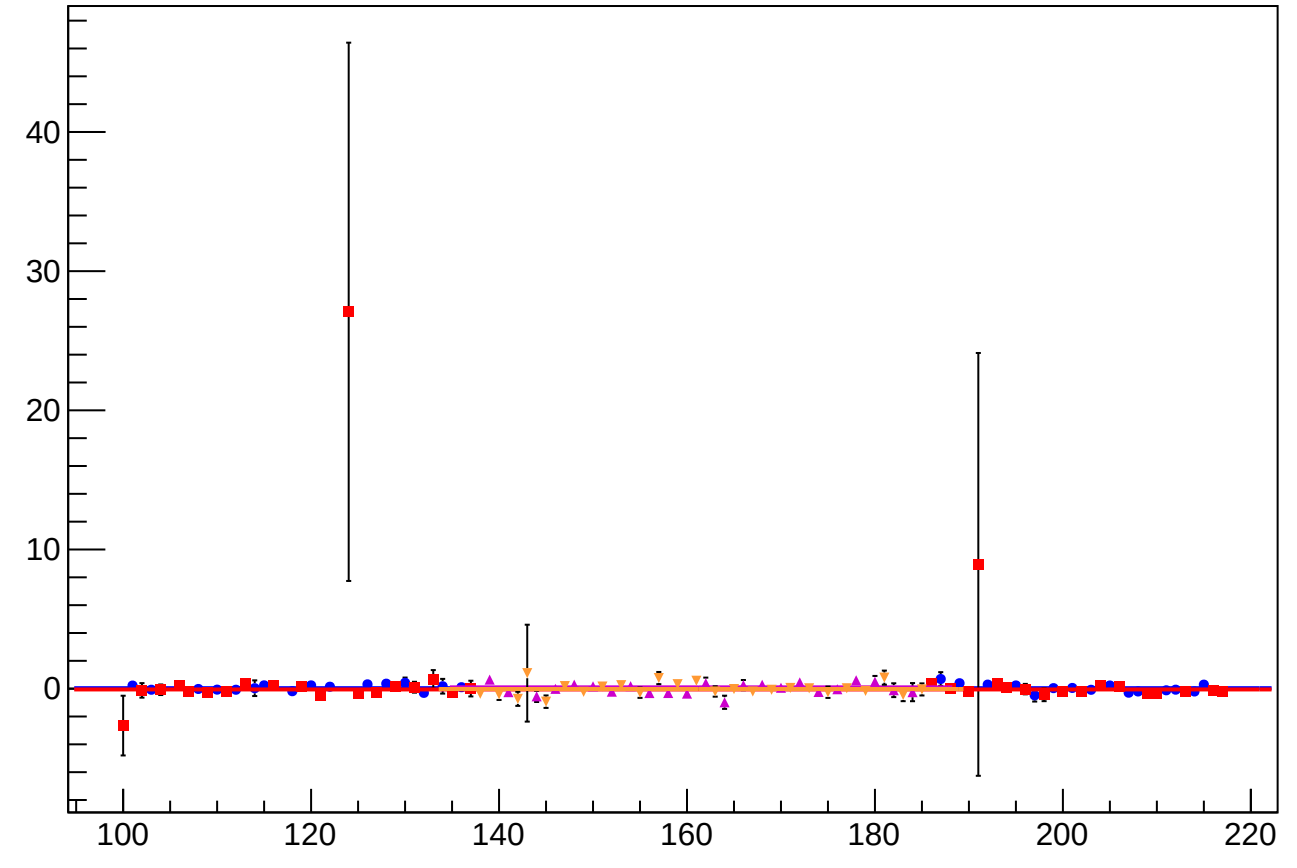
Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

Right: 0.009+/-0.000 χ^2/NDF: 20601880.1/66

In: 0.007+/-0.000 χ^2/NDF:19457250.2/53

Out: 0.007+/-0.000 χ^2/NDF:19588859.4/60

All: 0.007+/-0.000 χ^2/NDF: 39264711.7/114



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: -0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

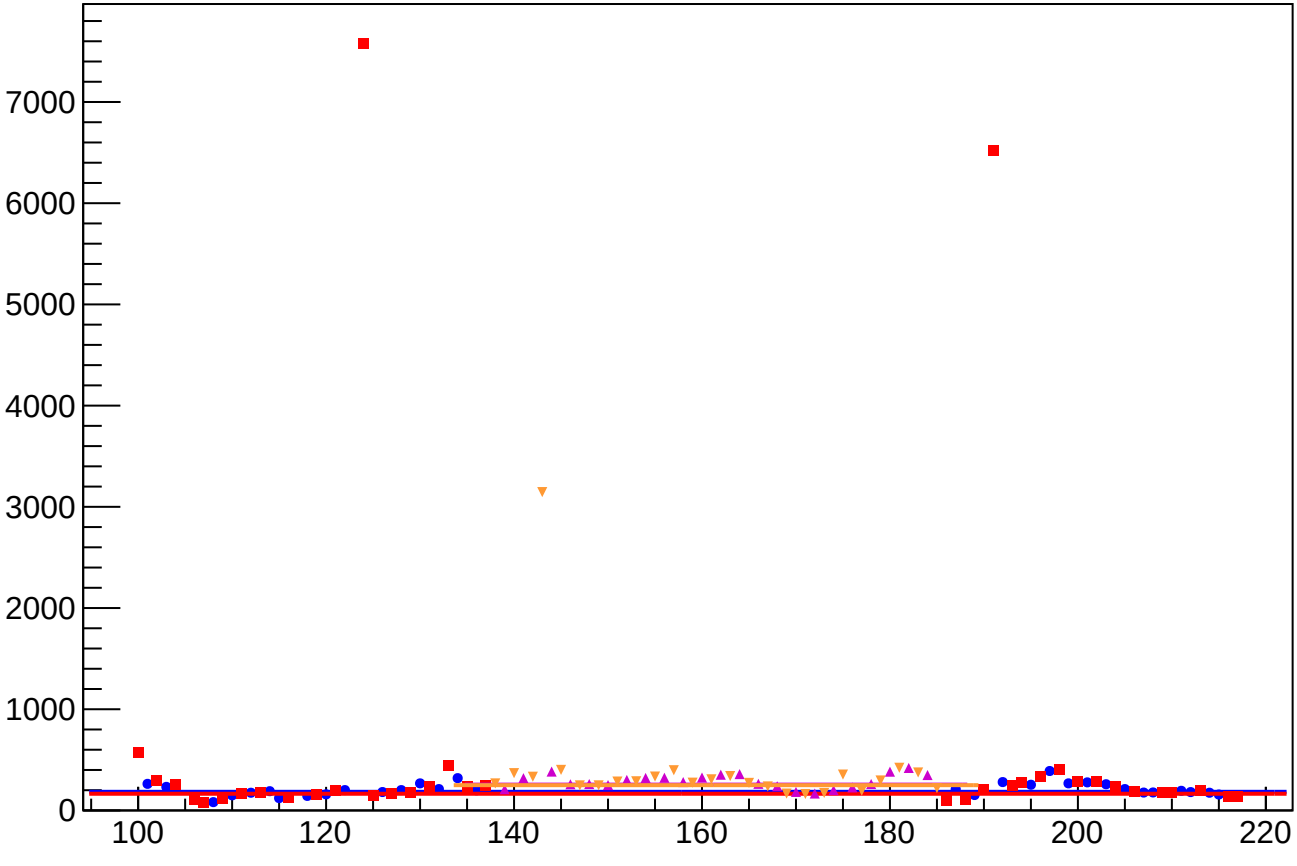
Right: -0.015+/-0.030 χ^2/NDF: 64.6/66

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.046+/-0.034 χ^2/NDF:61.3/60

All: 0.001+/-0.025 χ^2/NDF: 122.3/114

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: 164.989+/-0.029 χ^2/NDF: 5445841.1/35

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

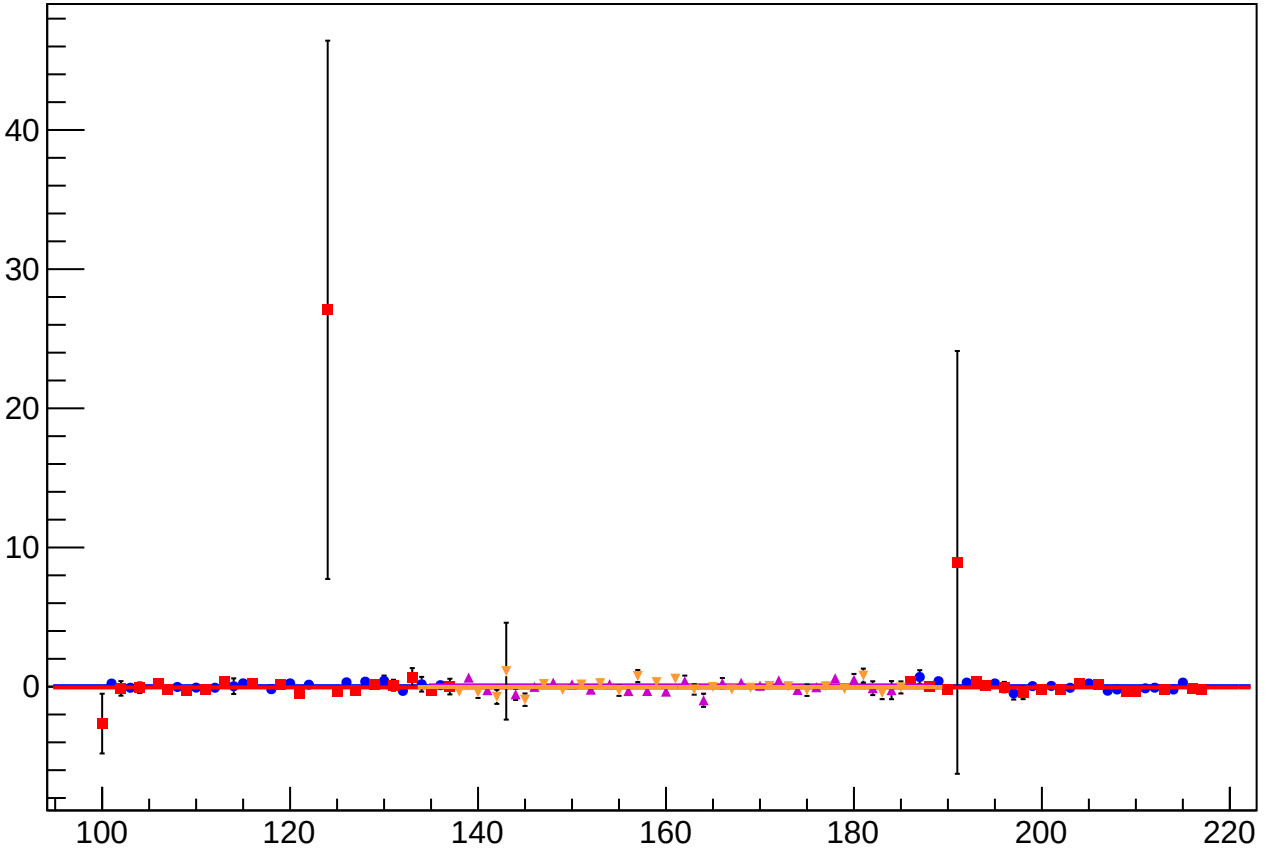
Right: 173.637+/-0.021 χ^2/NDF: 8684768.9/66

In: 208.044+/-0.026 χ^2/NDF:6841533.6/53

Out: 190.606+/-0.024 χ^2/NDF:12328631.8/60

All: 198.673+/-0.018 χ^2/NDF: 19415636.2/11

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.045 χ^2/NDF: 24.7/30

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

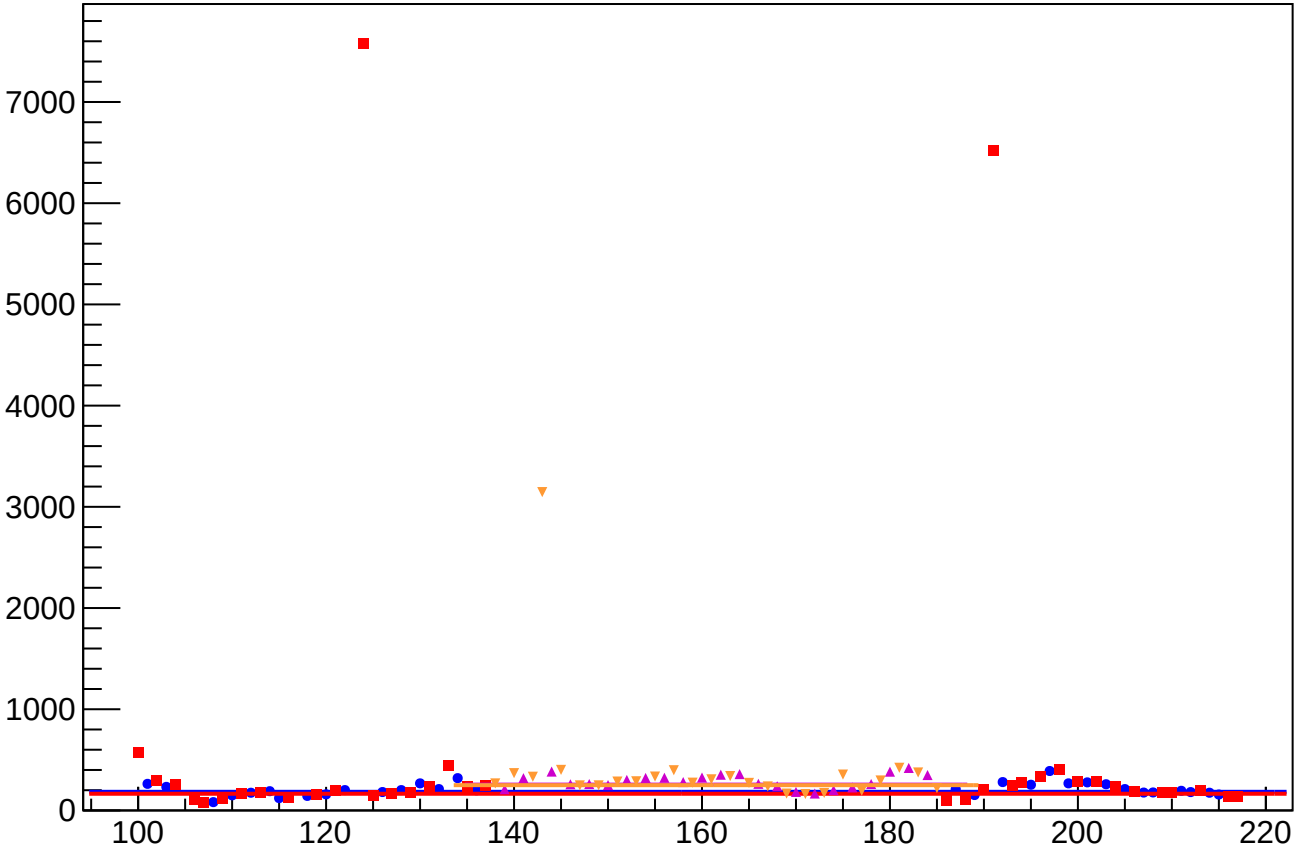
Right: -0.015+/-0.030 χ^2/NDF: 64.6/66

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.046+/-0.034 χ^2/NDF:61.3/60

All: 0.001+/-0.025 χ^2/NDF: 122.3/114

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: 164.989+/-0.029 χ^2/NDF: 5445841.1/35

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

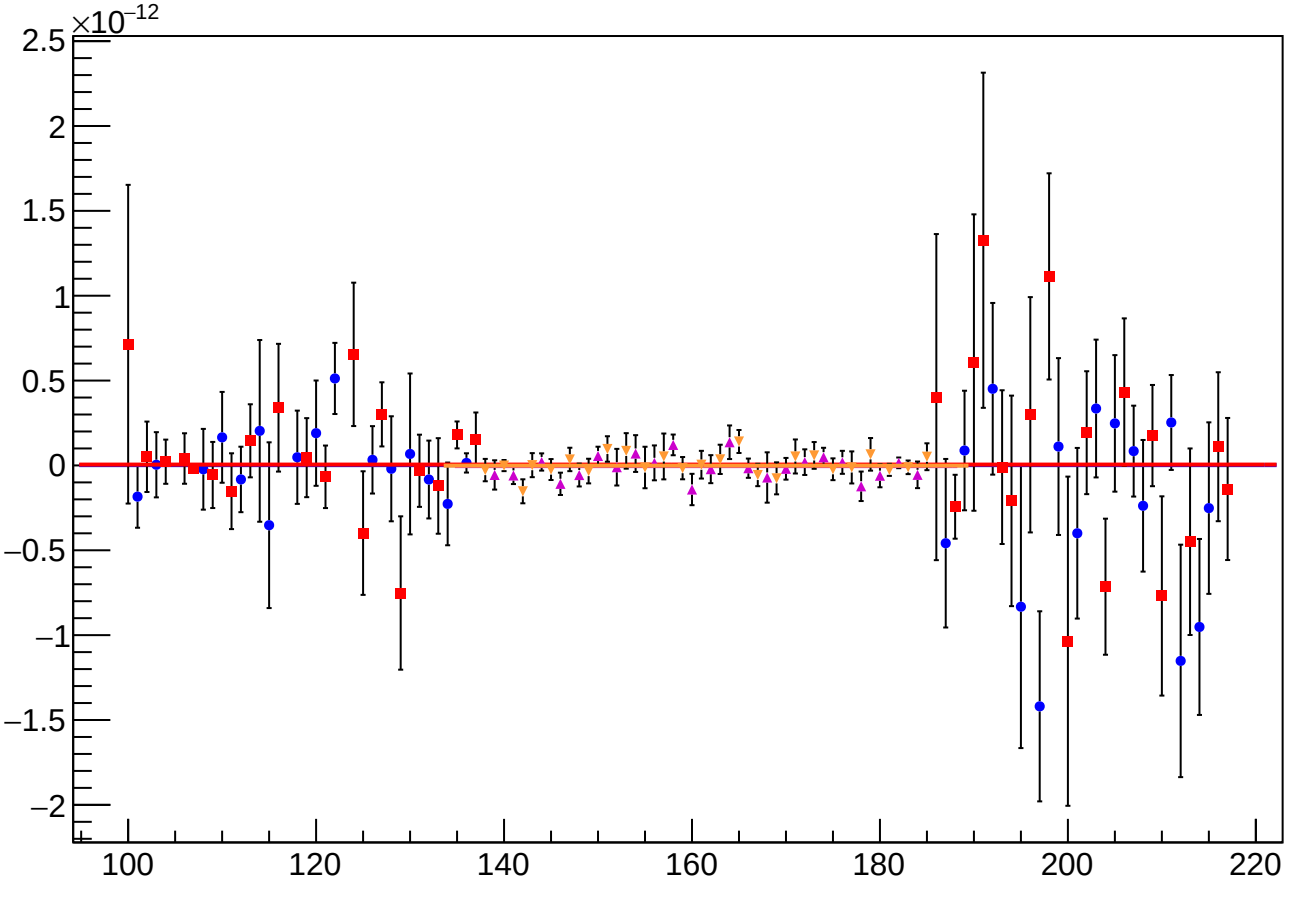
Right: 173.637+/-0.021 χ^2/NDF: 8684768.9/66

In: 208.044+/-0.026 χ^2/NDF:6841533.6/53

Out: 190.606+/-0.024 χ^2/NDF:12328631.8/60

All: 198.673+/-0.018 χ^2/NDF: 19415636.2/11

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/35

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

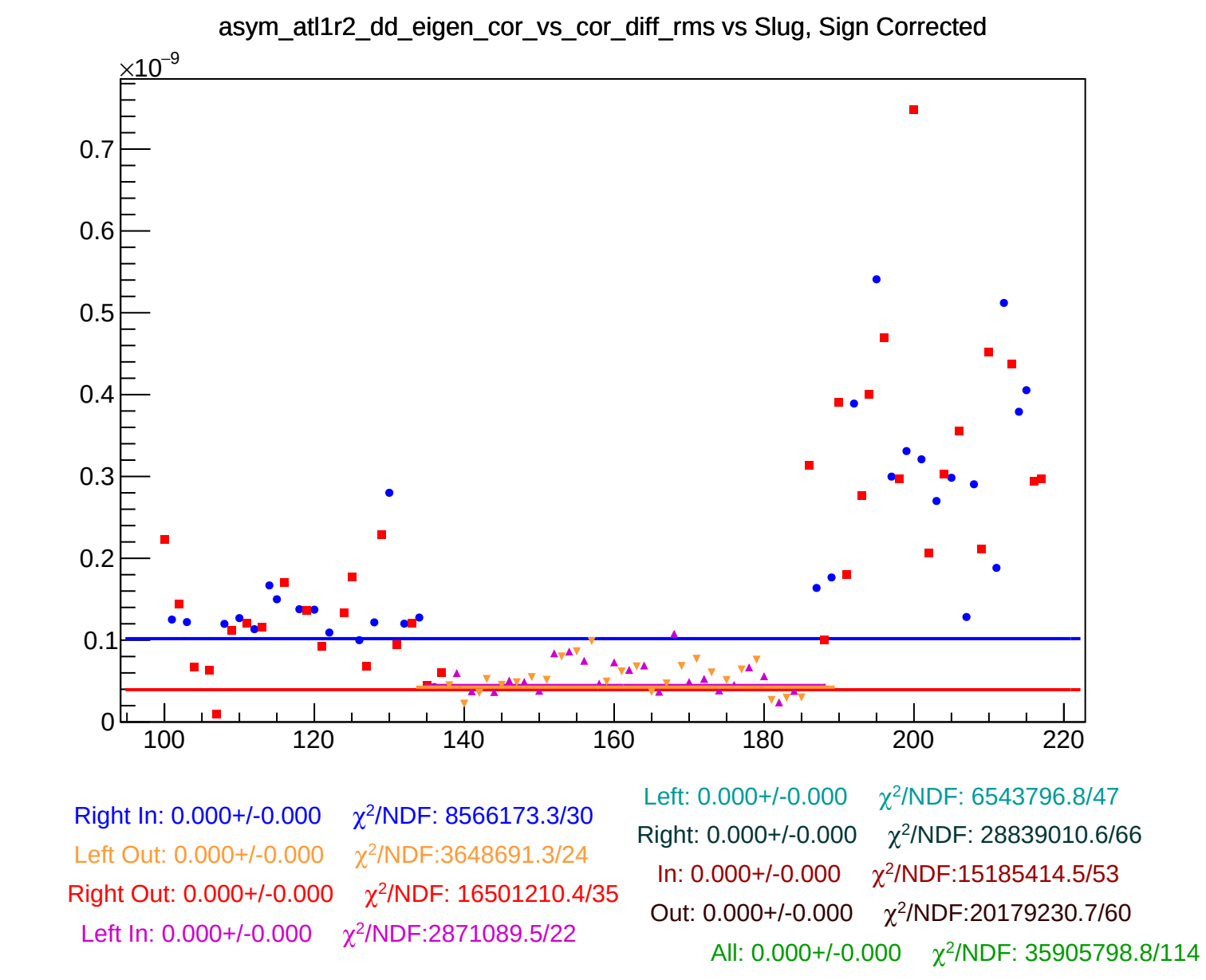
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

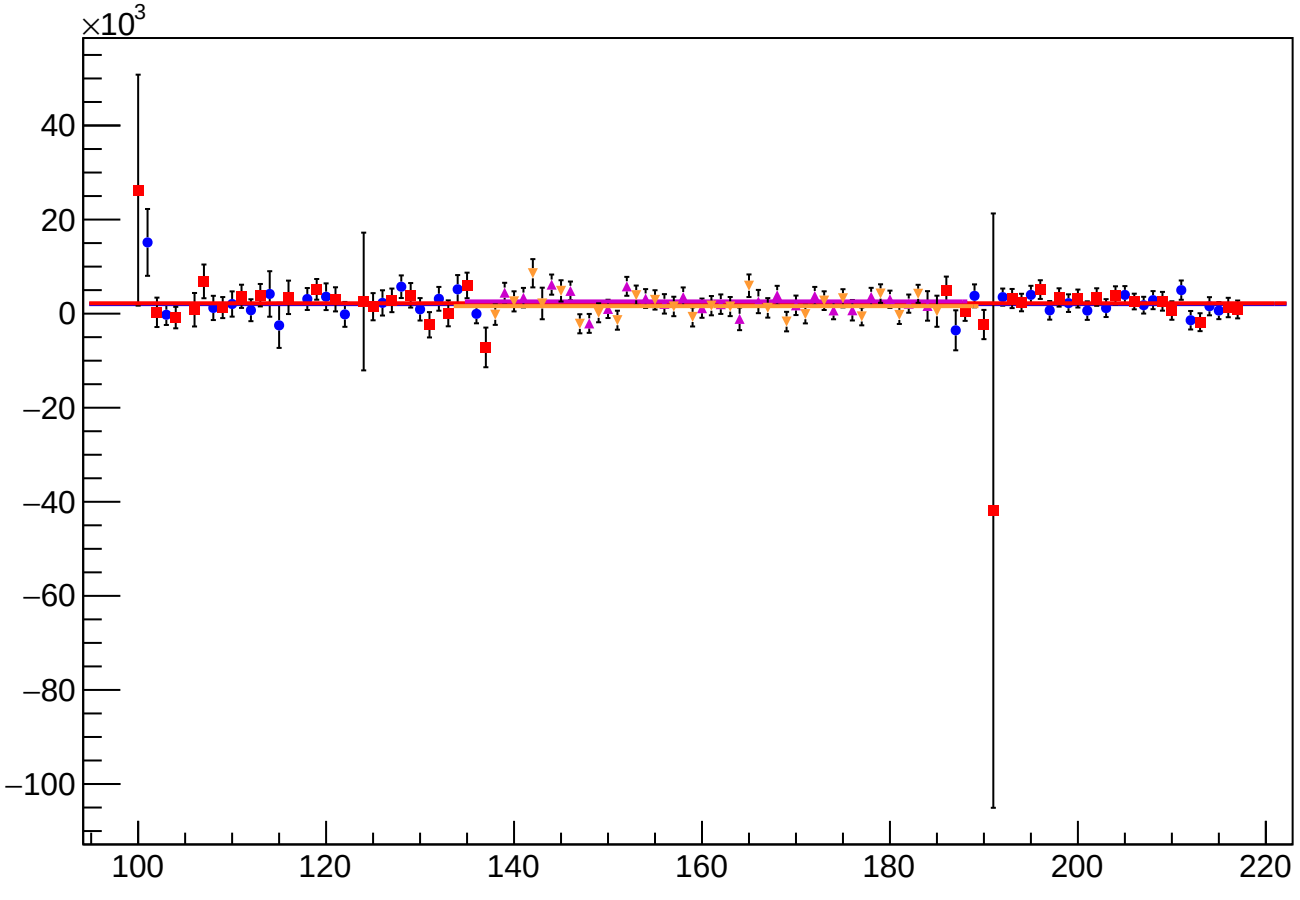
Right: 0.000+/-0.000 χ^2/NDF: 63.1/66

In: -0.000+/-0.000 χ^2/NDF:48.2/53

Out: 0.000+/-0.000 χ^2/NDF:51.1/60

All: -0.000+/-0.000 χ^2/NDF: 99.4/114


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: 16501210.4/35
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: 28839010.6/66
In: 0.000+/-0.000 χ²/NDF:15185414.5/53
Out: 0.000+/-0.000 χ²/NDF:20179230.7/60
All: 0.000+/-0.000 χ²/NDF: 35905798.8/114



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: 2204.182+/-397.190 χ^2/NDF: 33.4/35

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

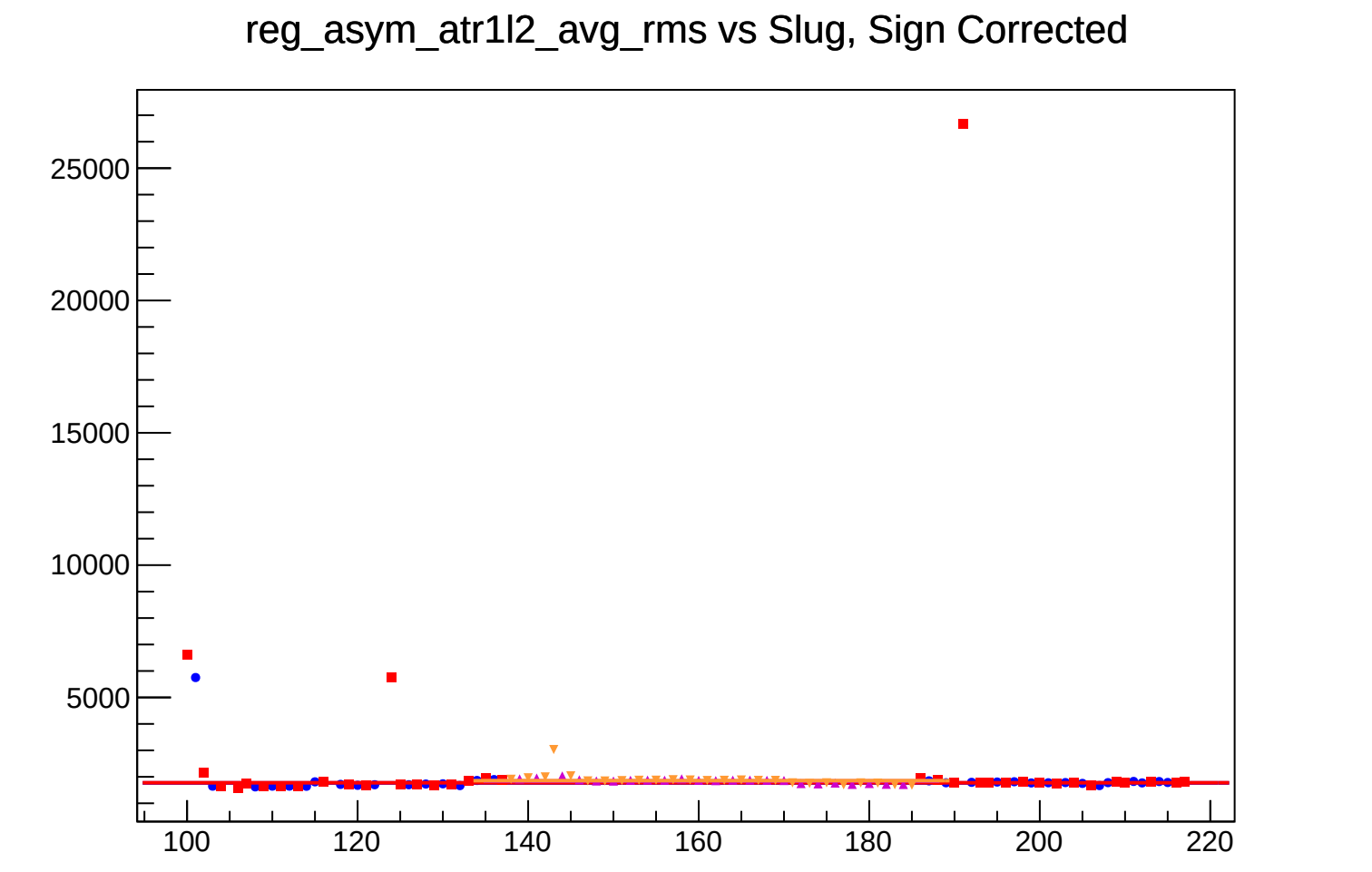
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2116.135+/-284.104 χ^2/NDF: 57.8/66

In: 2294.541+/-295.508 χ^2/NDF:45.3/53

Out: 1917.768+/-289.646 χ^2/NDF:65.8/60

All: 2102.381+/-206.852 χ^2/NDF: 111.9/114



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: 1775.866+/-0.280 χ^2/NDF: 649657.1/35

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

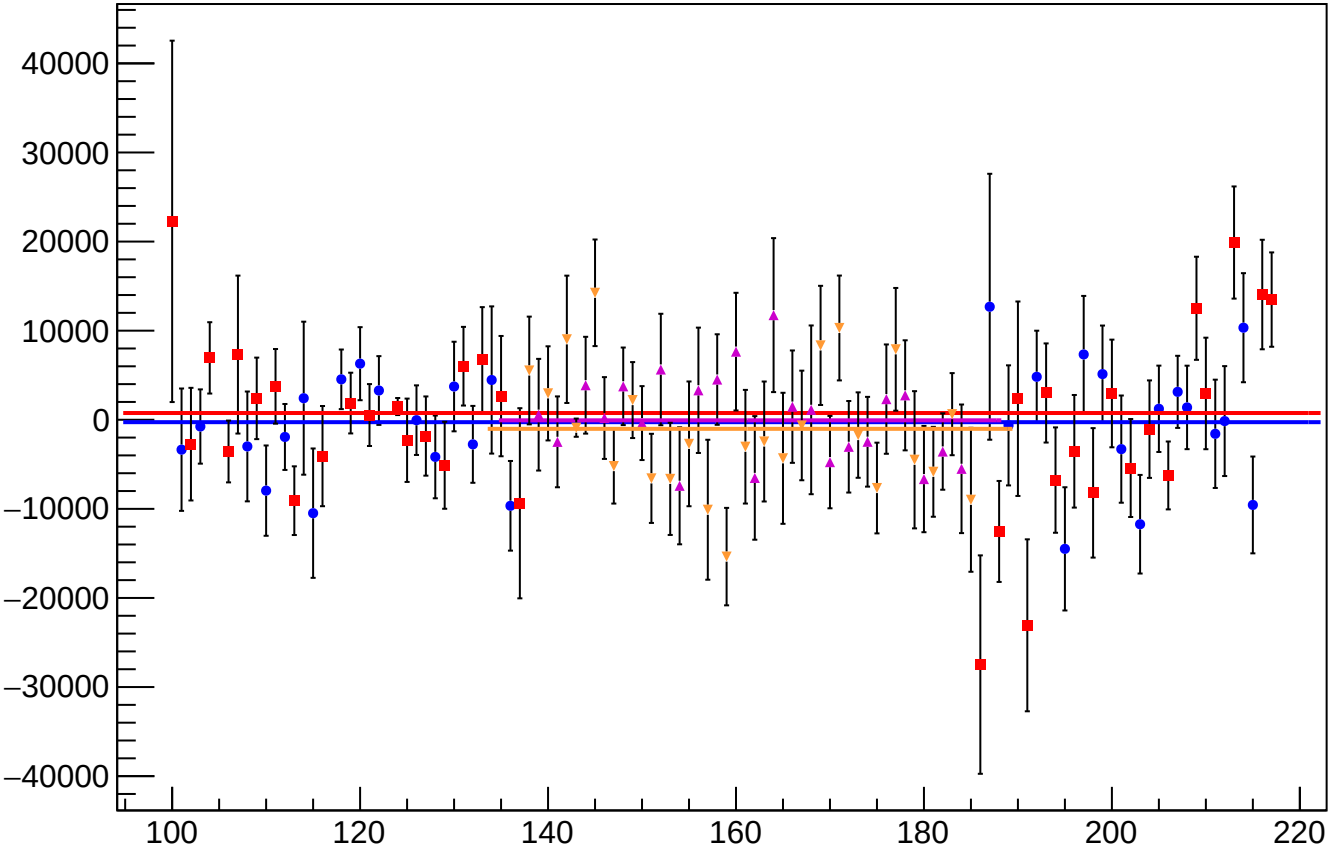
Right: 1772.509+/-0.201 χ^2/NDF: 1334528.3/66

In: 1802.935+/-0.209 χ^2/NDF:785154.8/53

Out: 1813.072+/-0.205 χ^2/NDF:1011719.4/60

All: 1808.112+/-0.146 χ^2/NDF: 1798076.0/11

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: 757.781+/-650.120 χ^2/NDF: 69.6/35

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

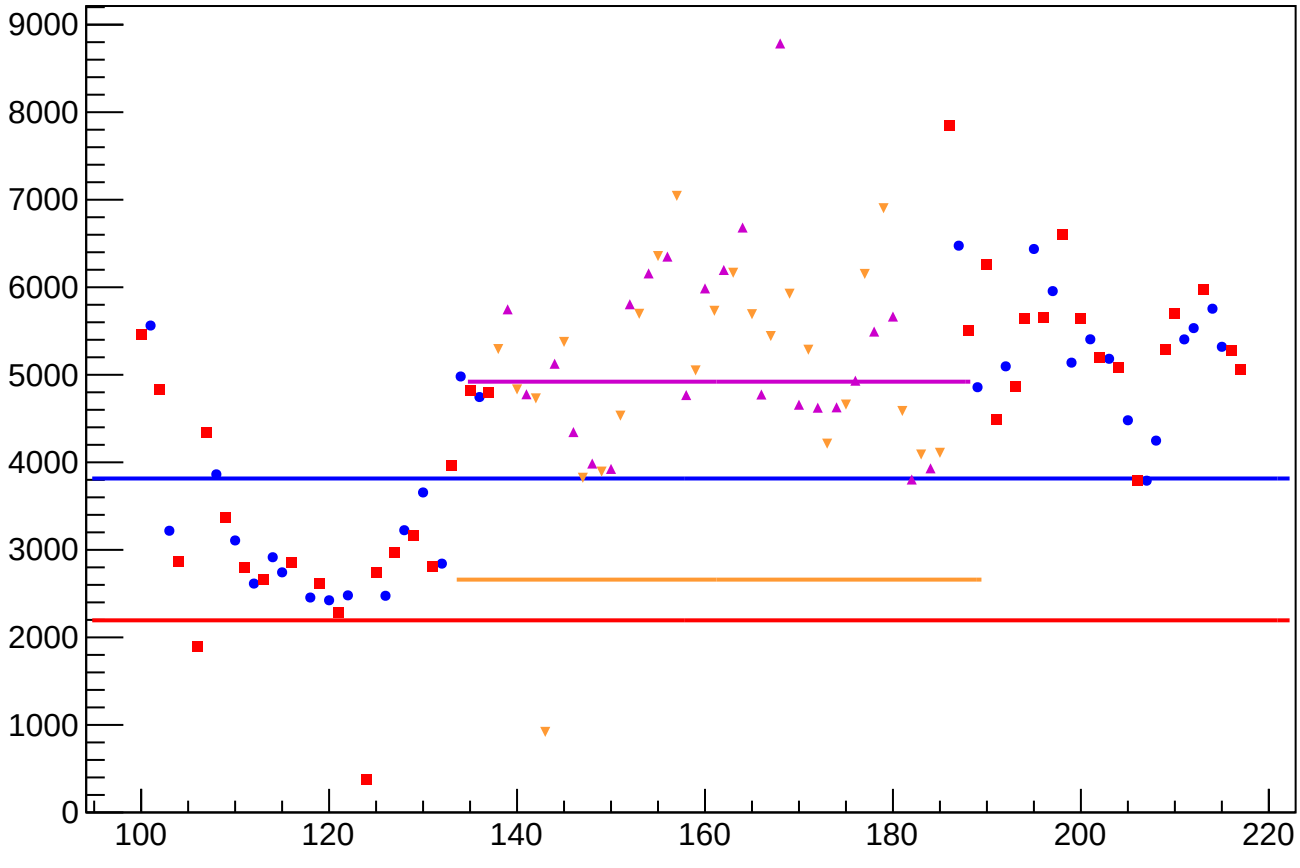
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 413.858+/-530.295 χ^2/NDF: 106.1/66

In: -191.260+/-722.387 χ^2/NDF:48.7/53

Out: 20.409+/-497.230 χ^2/NDF:106.5/60

All: -47.637+/-409.582 χ^2/NDF: 155.3/114



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: 2194.879+/-0.460 χ^2/NDF: 18055769.4/35

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

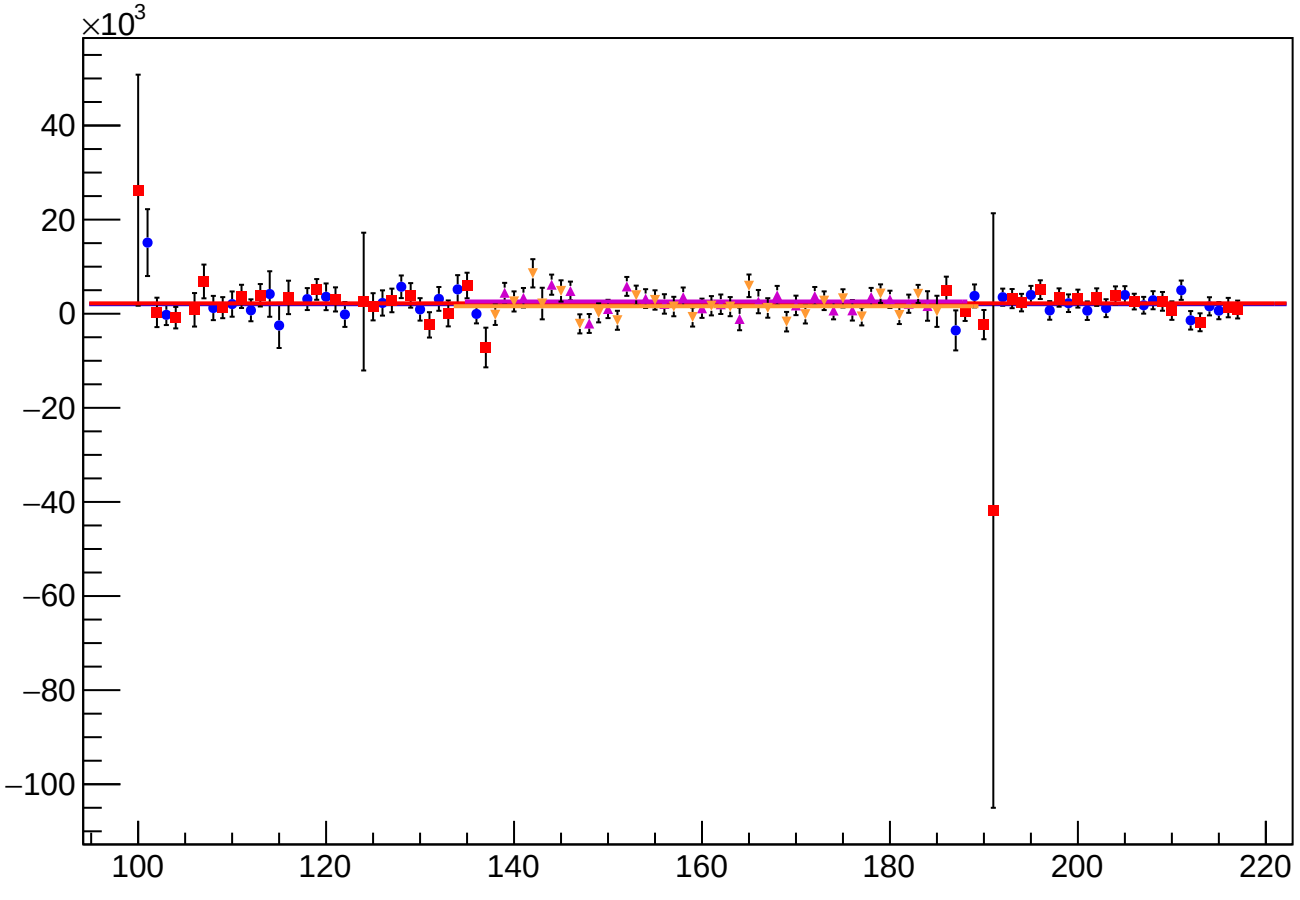
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2737.165+/-0.375 χ^2/NDF: 25794551.4/66

In: 4234.480+/-0.511 χ^2/NDF:5935098.0/53

Out: 2387.926+/-0.352 χ^2/NDF:33016736.4/60

All: 2981.541+/-0.290 χ^2/NDF: 47818950.8/



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: 2204.206+/-397.190 χ^2/NDF: 33.4/35

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

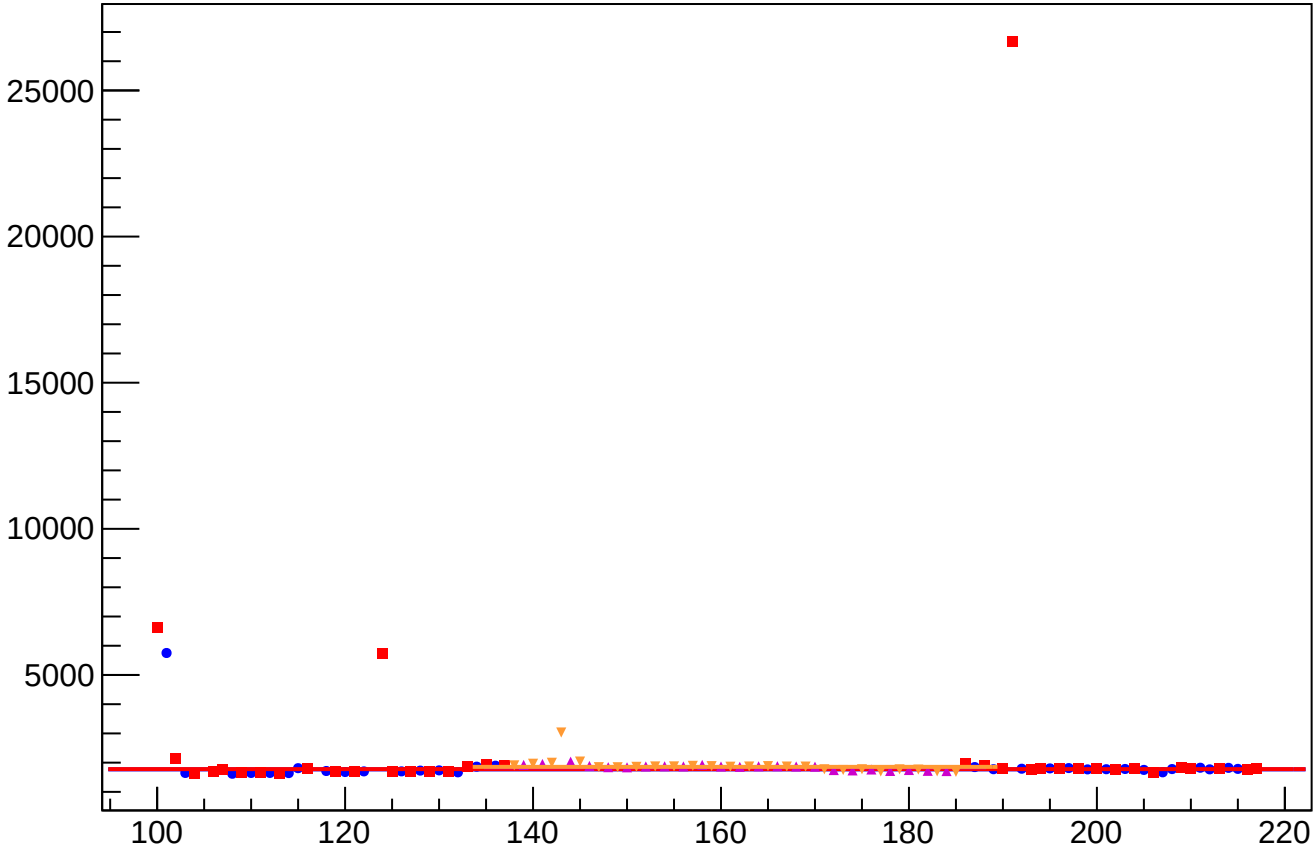
Right: 2116.054+/-284.104 χ^2/NDF: 57.7/66

In: 2294.475+/-295.508 χ^2/NDF:45.3/53

Out: 1917.766+/-289.646 χ^2/NDF:65.8/60

All: 2102.347+/-206.852 χ^2/NDF: 111.9/114

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.974+/-0.287 χ^2/NDF: 684576.7/30

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.437+/-0.280 χ^2/NDF: 640812.8/35

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

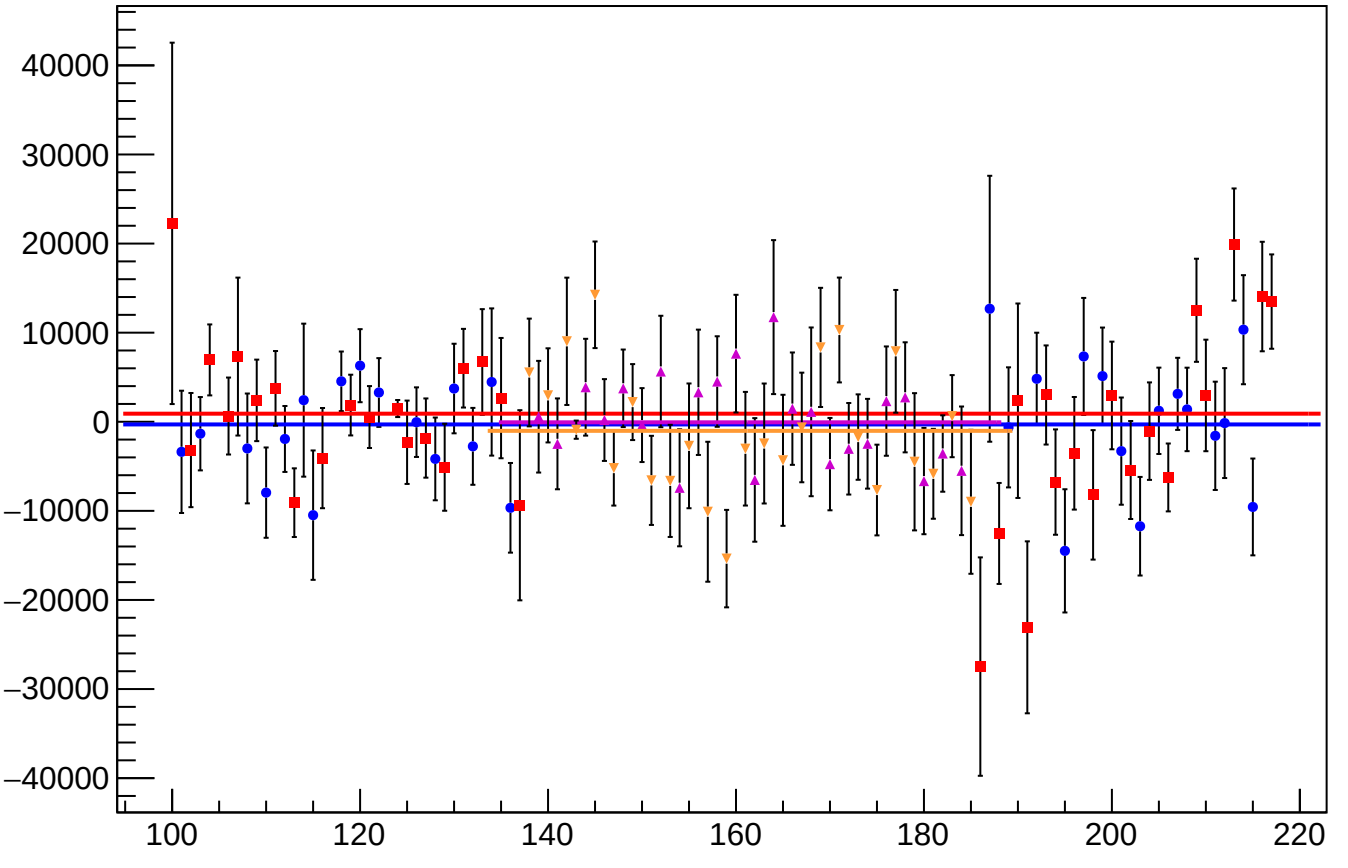
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1773.822+/-0.201 χ^2/NDF: 1325944.7/66

In: 1802.935+/-0.209 χ^2/NDF:785155.2/53

Out: 1814.494+/-0.205 χ^2/NDF:1000431.0/60

All: 1808.835+/-0.146 χ^2/NDF: 1787147.9/11



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: 907.001+/-654.223 χ^2/NDF: 68.1/35

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

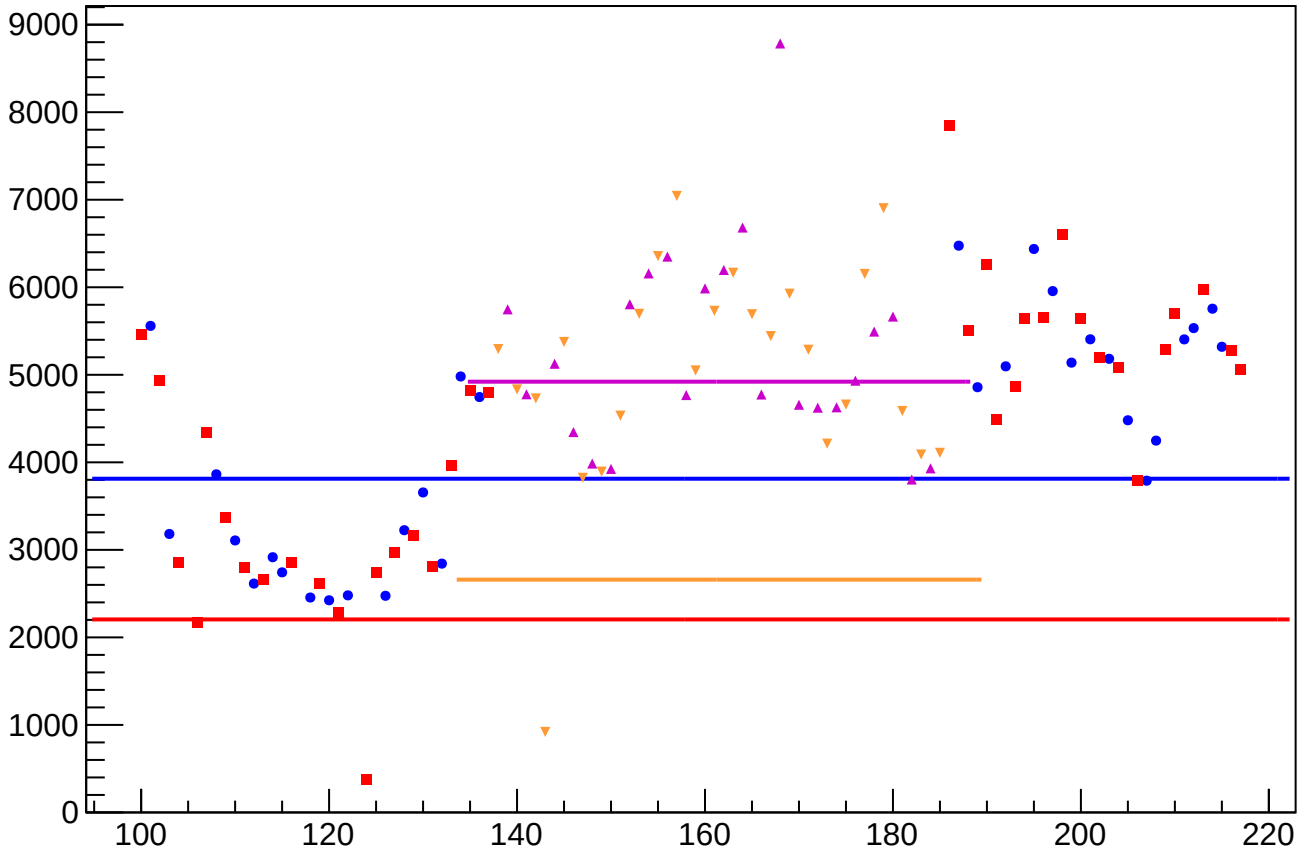
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 499.405+/-532.402 χ^2/NDF: 105.0/66

In: -209.873+/-722.105 χ^2/NDF:48.8/53

Out: 101.848+/-499.054 χ^2/NDF:105.5/60

All: 1.087+/-410.548 χ^2/NDF: 154.4/114



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: 2205.129+/-0.463 χ^2/NDF: 18055588.0/35

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

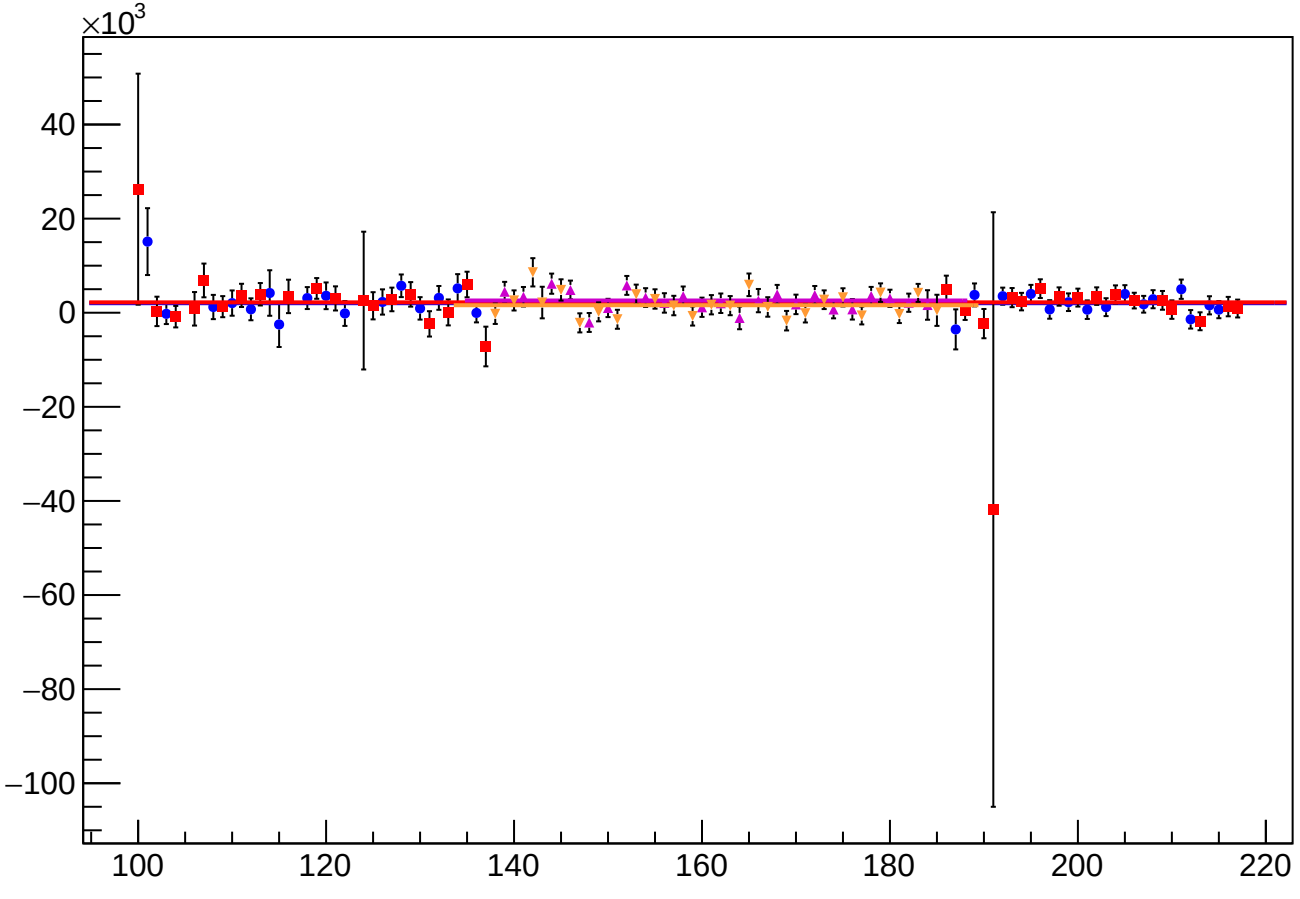
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2748.086+/-0.376 χ^2/NDF: 25720864.6/66

In: 4232.549+/-0.511 χ^2/NDF:5946740.8/53

Out: 2395.275+/-0.353 χ^2/NDF:32996477.9/60

All: 2989.159+/-0.290 χ^2/NDF: 47705372.3/1



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: 2204.206+/-397.190 χ^2/NDF: 33.4/35

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

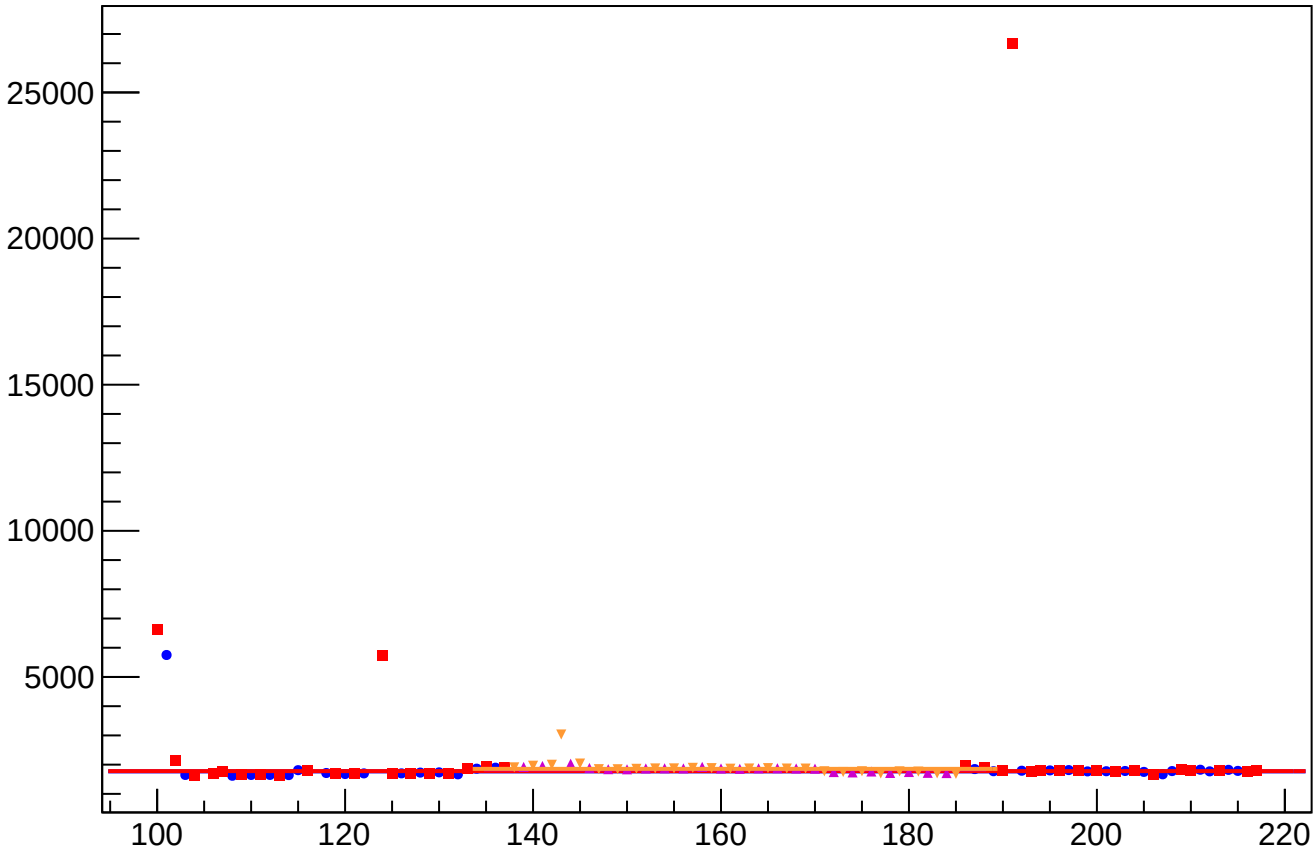
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2116.054+/-284.104 χ^2/NDF: 57.7/66

In: 2294.475+/-295.508 χ^2/NDF:45.3/53

Out: 1917.766+/-289.646 χ^2/NDF:65.8/60

All: 2102.347+/-206.852 χ^2/NDF: 111.9/114



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: 1778.437+/-0.280 χ^2/NDF: 640812.8/35

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

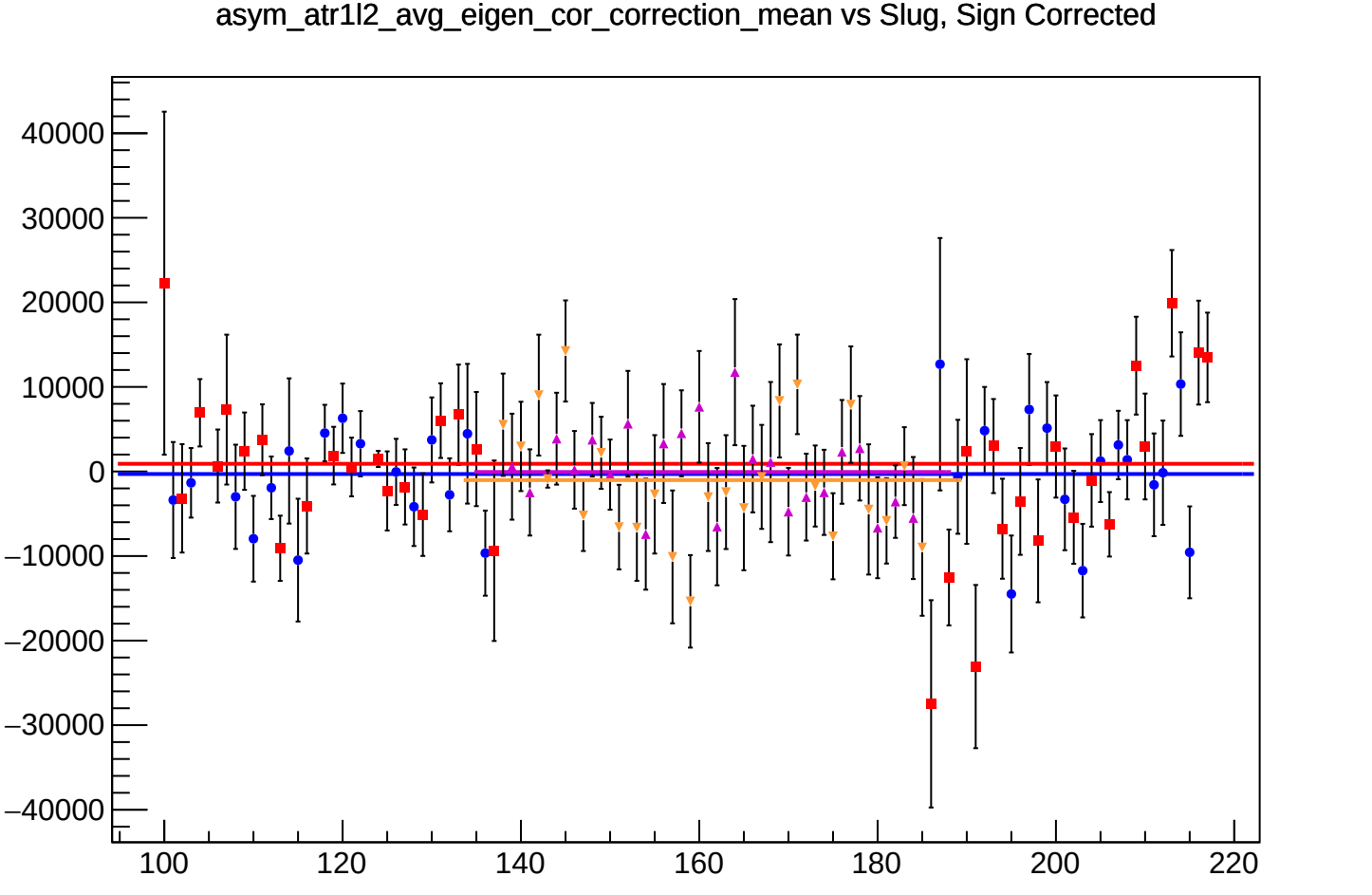
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1773.822+/-0.201 χ^2/NDF: 1325944.7/66

In: 1802.935+/-0.209 χ^2/NDF:785155.2/53

Out: 1814.494+/-0.205 χ^2/NDF:1000431.0/60

All: 1808.835+/-0.146 χ^2/NDF: 1787147.9/11



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: 907.001+/-654.223 χ^2/NDF: 68.1/35

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

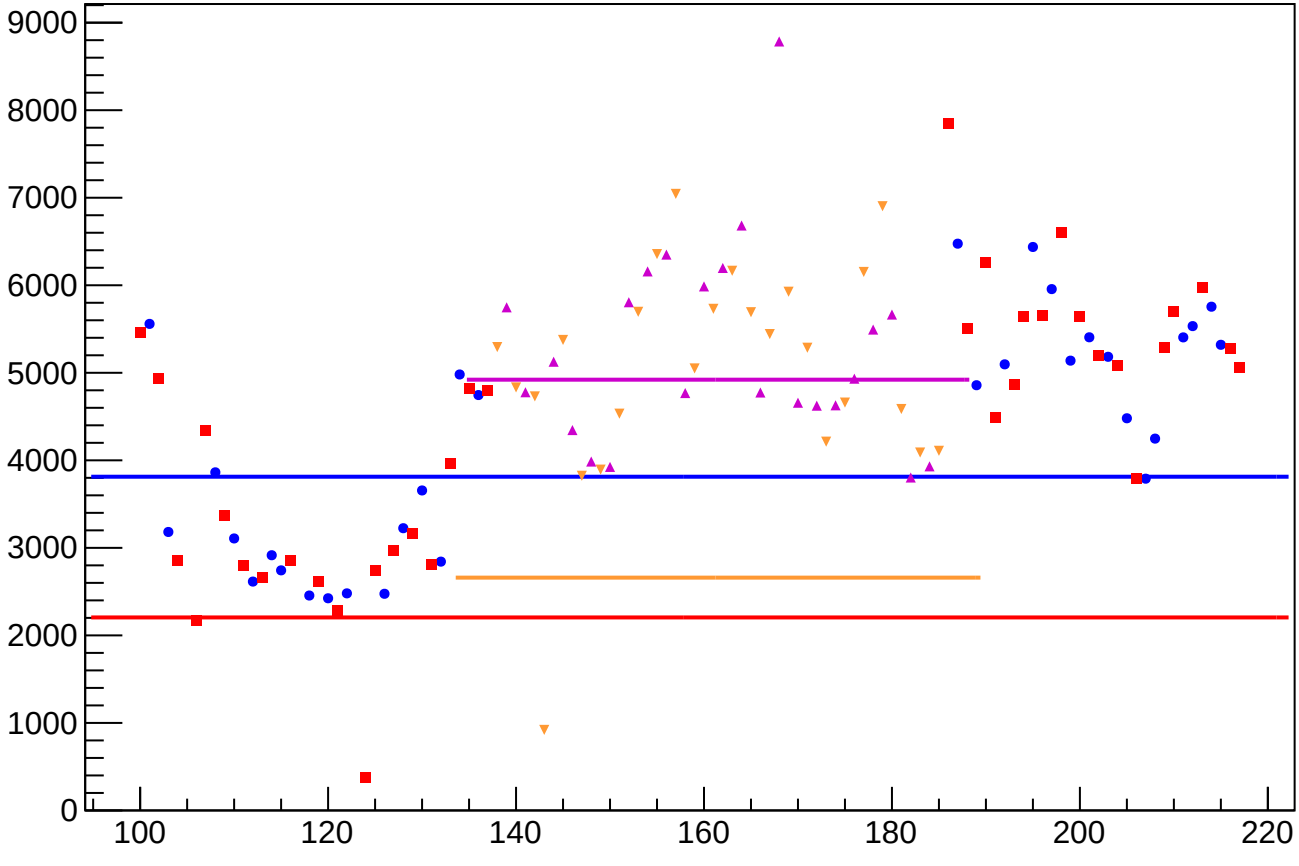
Right: 499.405+/-532.402 χ^2/NDF: 105.0/66

In: -209.873+/-722.105 χ^2/NDF:48.8/53

Out: 101.848+/-499.054 χ^2/NDF:105.5/60

All: 1.087+/-410.548 χ^2/NDF: 154.4/114

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: 2205.129+/-0.463 χ^2/NDF: 18055588.0/35

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

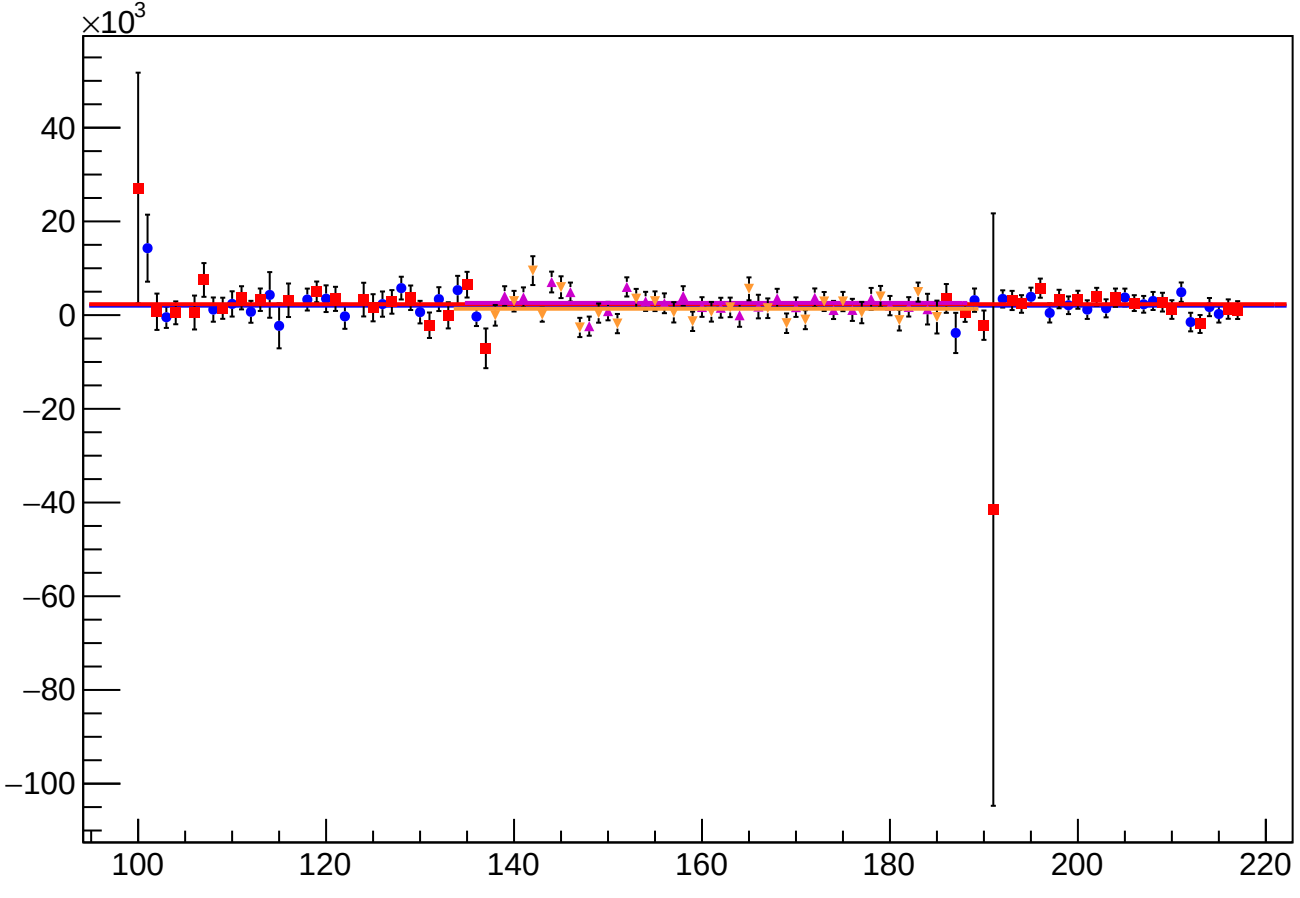
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2748.086+/-0.376 χ^2/NDF: 25720864.6/66

In: 4232.549+/-0.511 χ^2/NDF:5946740.8/53

Out: 2395.275+/-0.353 χ^2/NDF:32996477.9/60

All: 2989.159+/-0.290 χ^2/NDF: 47705372.3/1



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: 2327.143+/-400.040 χ^2/NDF: 31.8/35

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

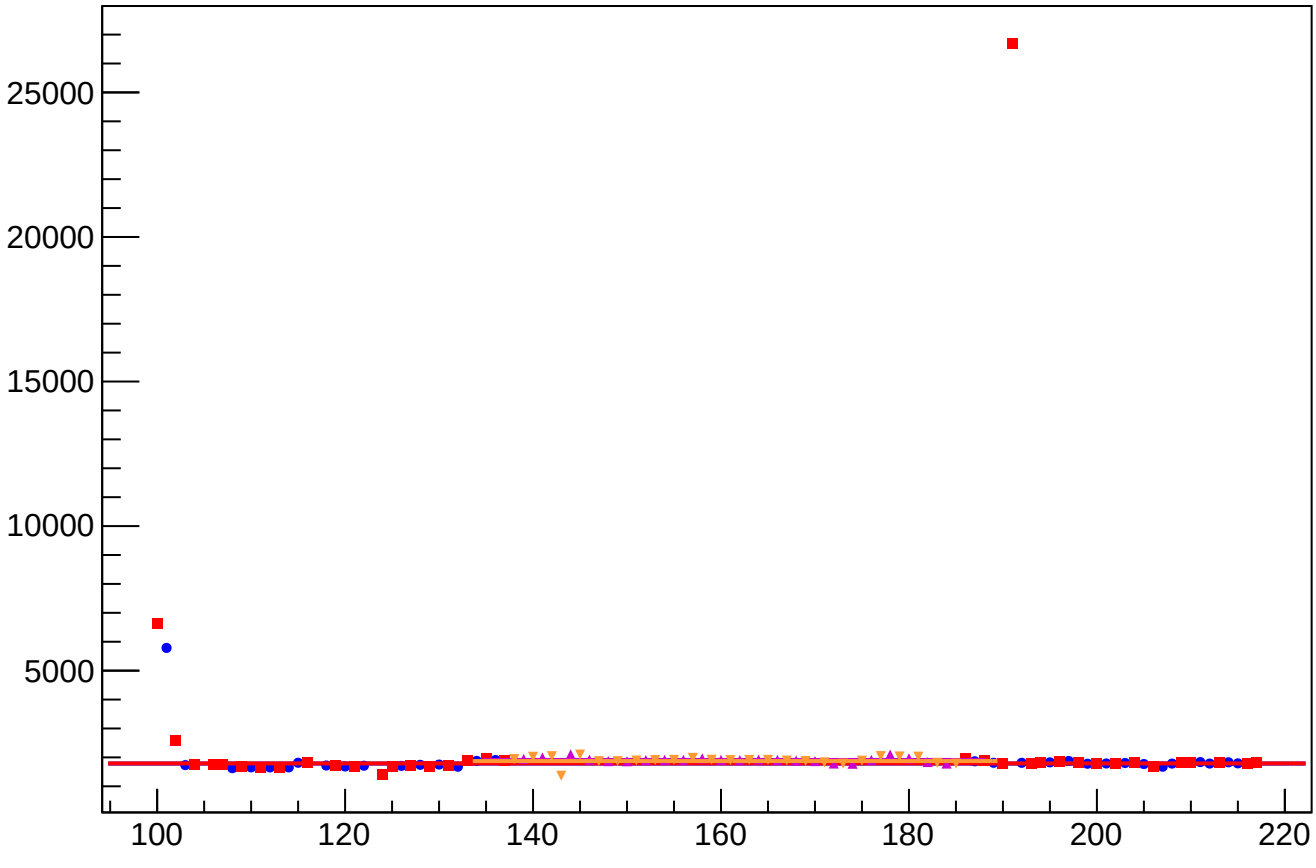
Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

Right: 2176.994+/-286.524 χ^2/NDF: 56.1/66

In: 2286.243+/-302.300 χ^2/NDF:45.0/53

Out: 1877.255+/-292.043 χ^2/NDF:70.6/60

All: 2074.693+/-210.038 χ^2/NDF: 116.6/114



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: 1791.550+/-0.283 χ^2/NDF: 563761.1/35

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

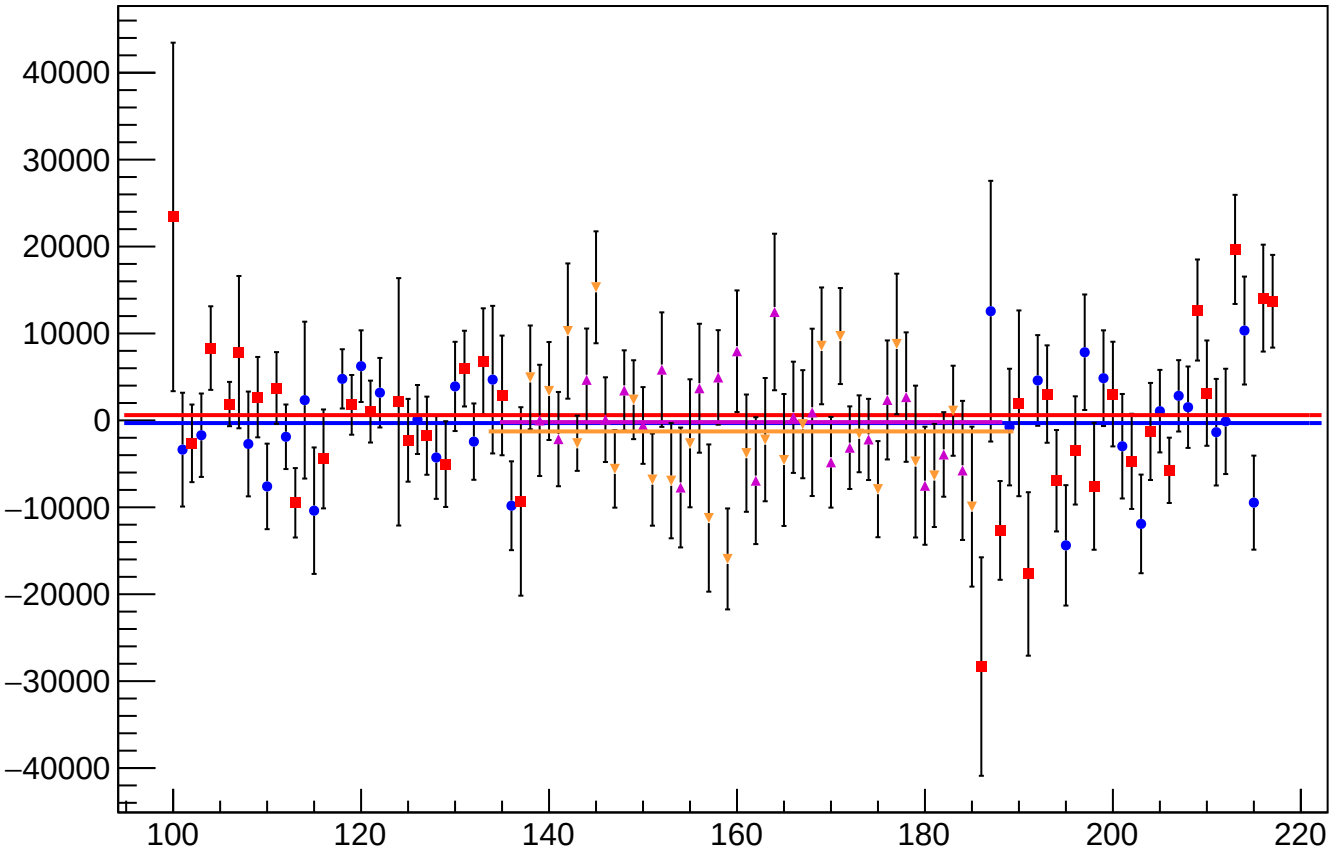
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1789.032+/-0.203 χ^2/NDF: 1248650.3/66

In: 1843.633+/-0.214 χ^2/NDF:828816.0/53

Out: 1829.634+/-0.206 χ^2/NDF:912422.5/60

All: 1836.389+/-0.148 χ^2/NDF: 1743458.2/11



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: 605.224+/-862.241 χ^2/NDF: 65.6/35

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

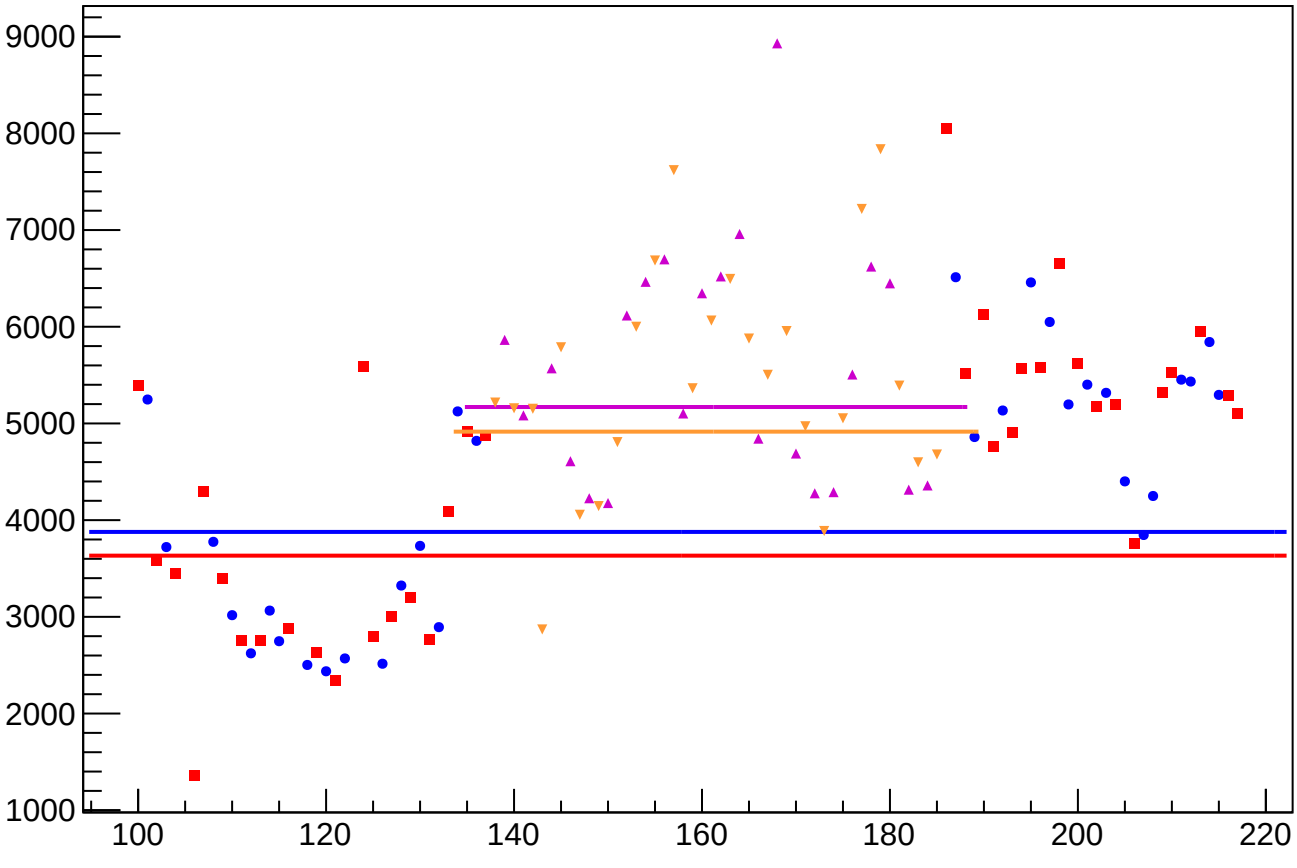
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: 182.641+/-632.067 χ^2/NDF: 101.0/66

In: -267.953+/-742.445 χ^2/NDF:47.7/53

Out: -64.923+/-691.184 χ^2/NDF:100.7/60

All: -159.188+/-505.893 χ^2/NDF: 148.4/114



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: 3632.810+/-0.610 χ^2/NDF: 5554819.2/35

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

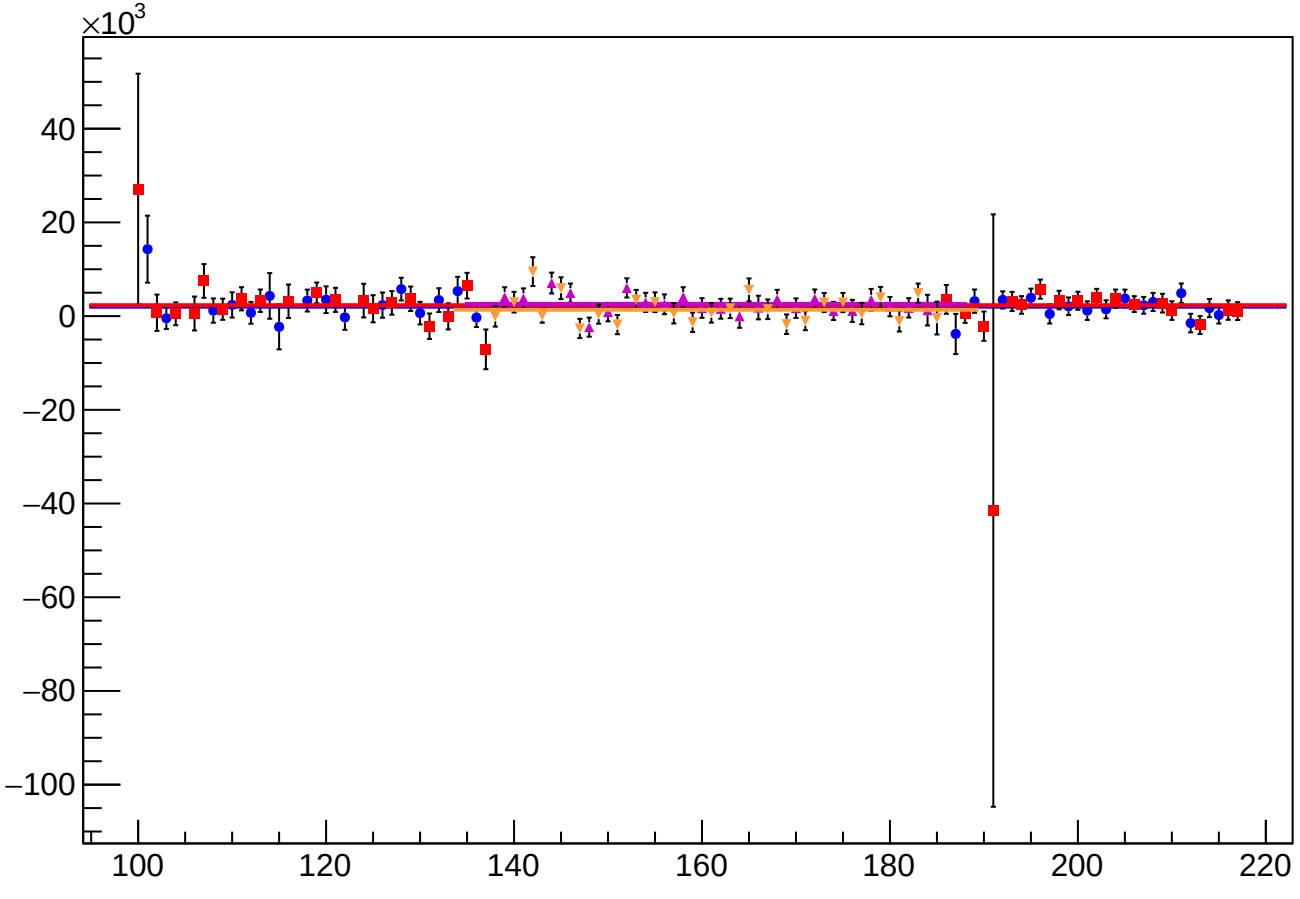
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3746.344+/-0.447 χ^2/NDF: 9055188.0/66

In: 4345.434+/-0.525 χ^2/NDF:6171975.5/53

Out: 4091.172+/-0.489 χ^2/NDF:9302353.3/60

All: 4209.223+/-0.358 χ^2/NDF: 15599988.4/1



Right In: 2018.831+/-410.579 χ^2/NDF: 24.1/30

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2327.140+/-400.040 χ^2/NDF: 31.8/35

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

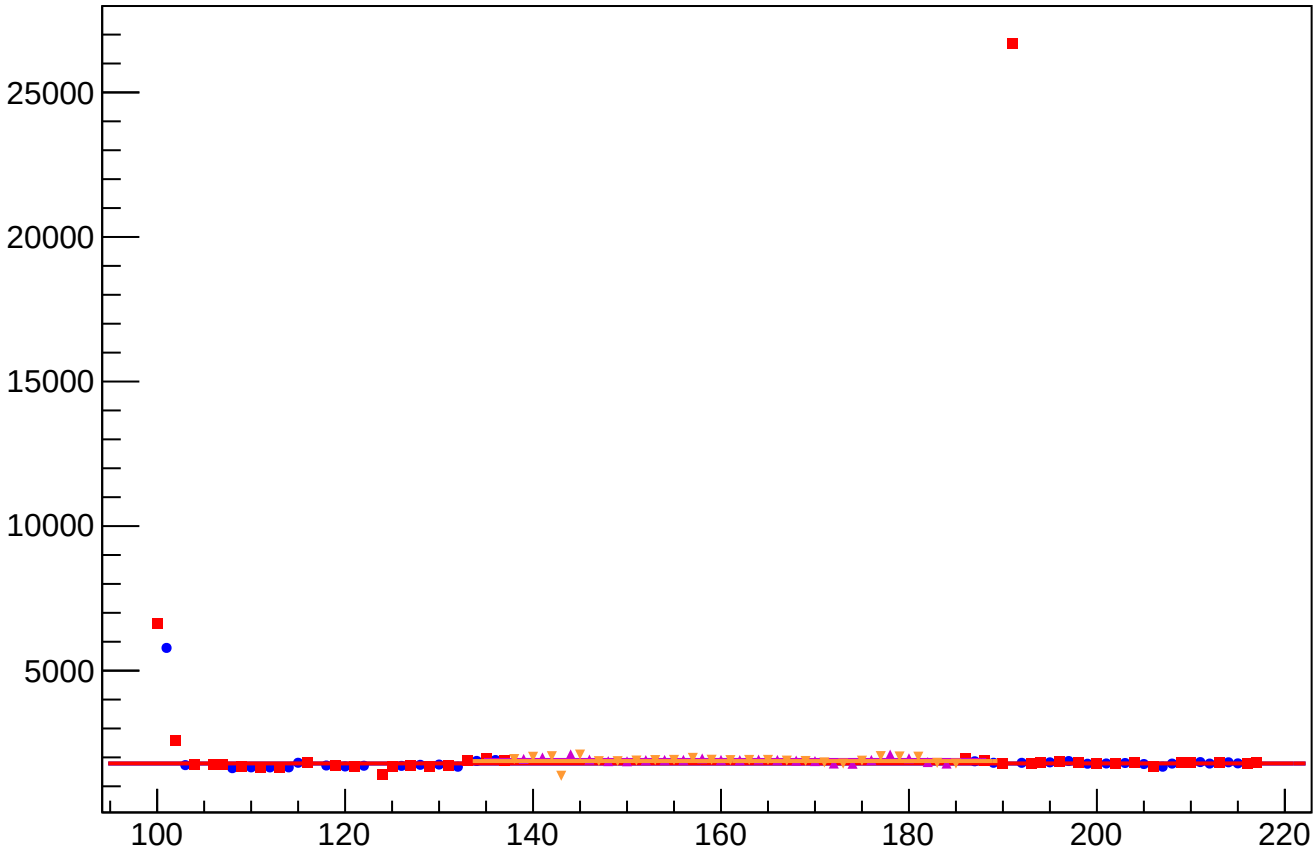
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2176.993+/-286.524 χ^2/NDF: 56.1/66

In: 2286.242+/-302.300 χ^2/NDF:45.0/53

Out: 1877.252+/-292.043 χ^2/NDF:70.6/60

All: 2074.691+/-210.038 χ^2/NDF: 116.6/114



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: 1791.550+/-0.283 χ^2/NDF: 563761.2/35

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

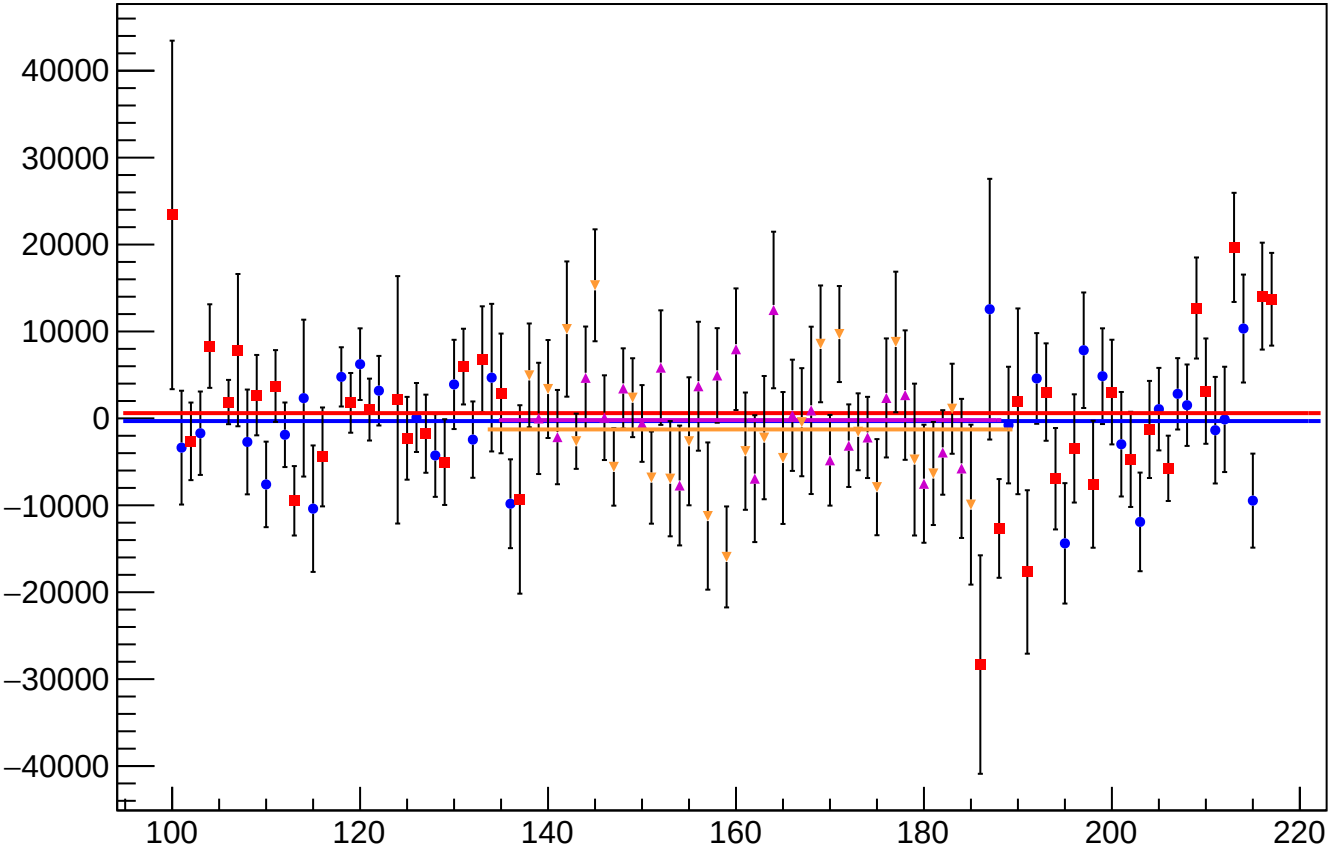
Right: 1789.032+/-0.203 χ^2/NDF: 1248650.4/66

In: 1843.634+/-0.214 χ^2/NDF:828819.7/53

Out: 1829.634+/-0.206 χ^2/NDF:912427.1/60

All: 1836.389+/-0.148 χ^2/NDF: 1743466.6/11

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: 605.227+/-862.239 χ^2/NDF: 65.6/35

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

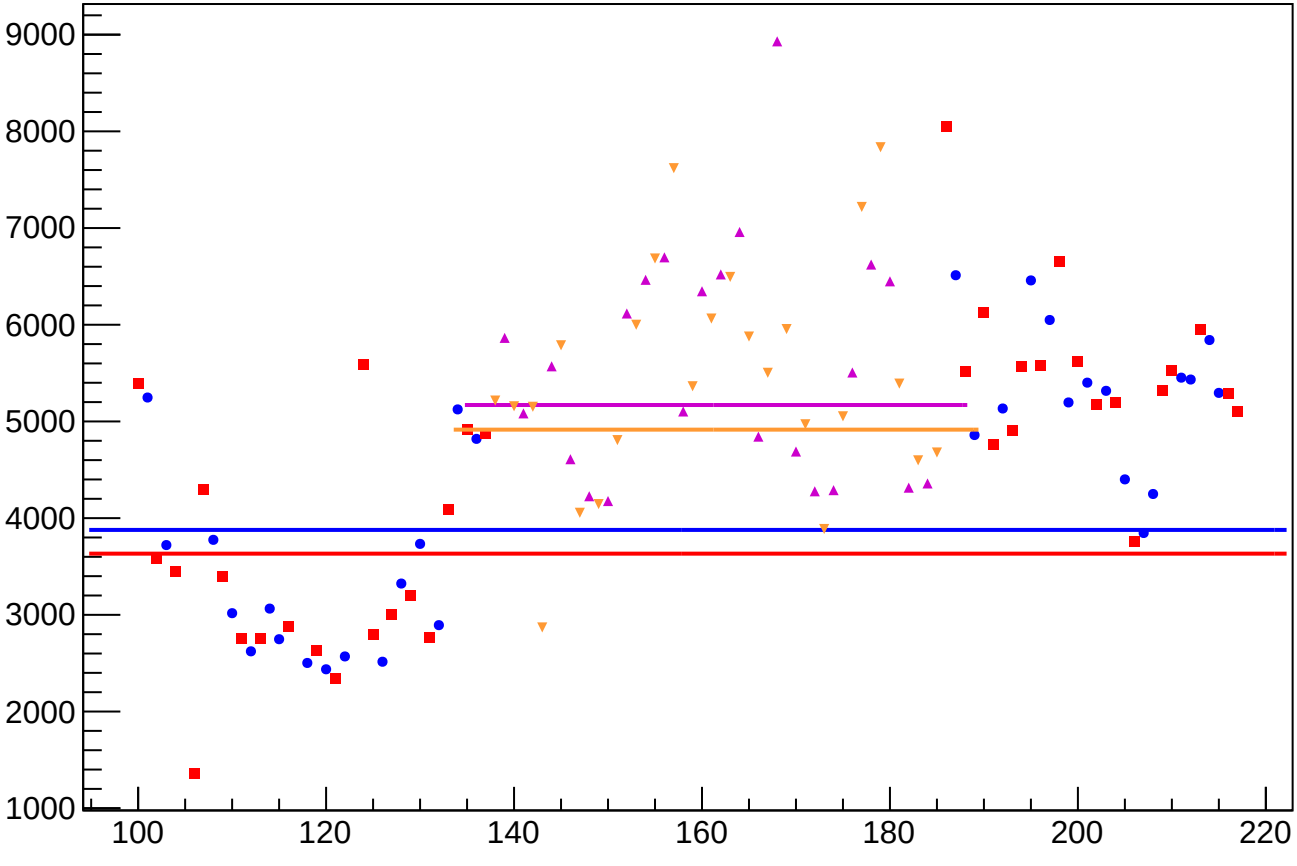
Right: 182.645+/-632.066 χ^2/NDF: 101.0/66

In: -267.951+/-742.445 χ^2/NDF:47.7/53

Out: -64.921+/-691.184 χ^2/NDF:100.7/60

All: -159.185+/-505.893 χ^2/NDF: 148.4/114

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 3632.799+/-0.610 χ^2/NDF: 5554899.4/35

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

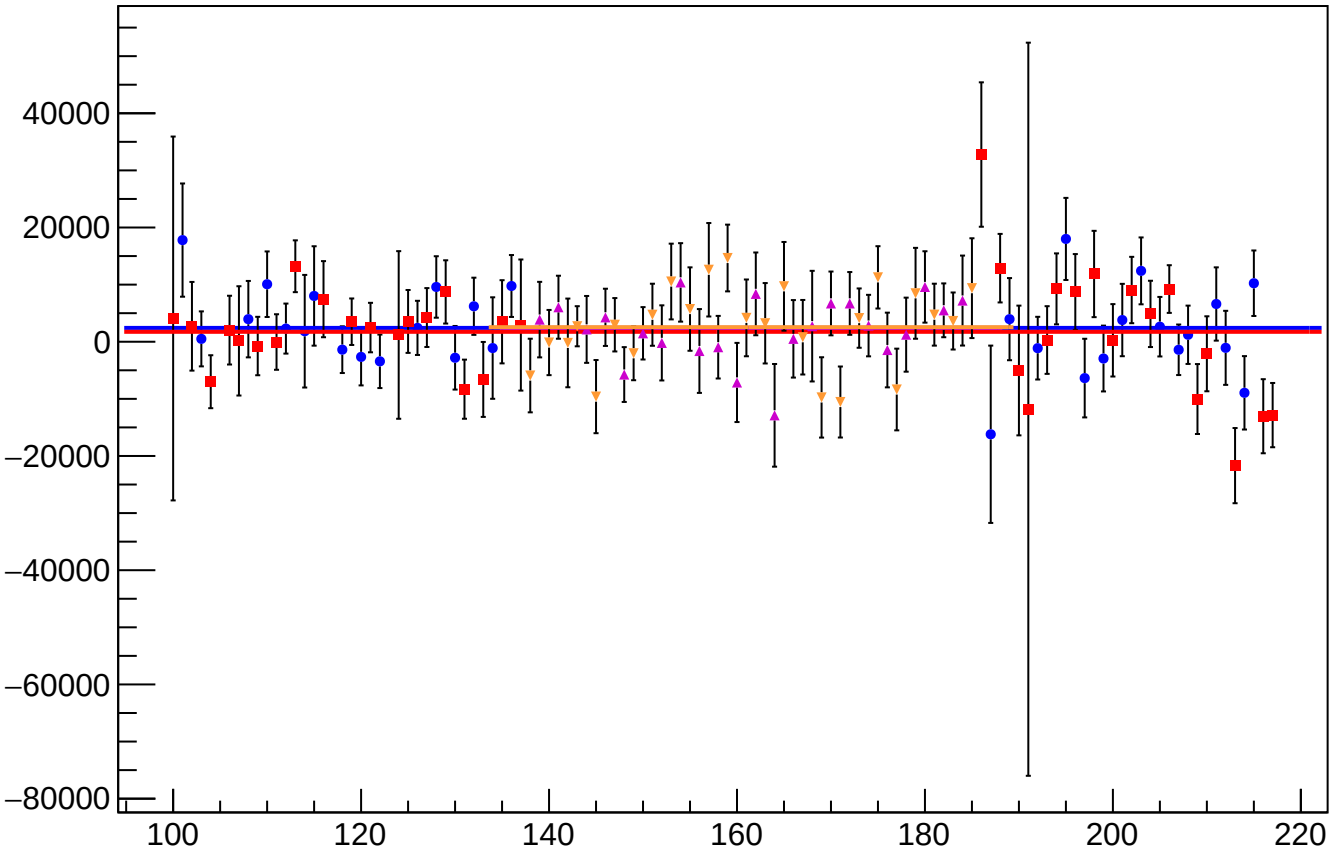
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3746.335+/-0.447 χ^2/NDF: 9055328.2/66

In: 4345.431+/-0.525 χ^2/NDF:6172063.3/53

Out: 4091.165+/-0.489 χ^2/NDF:9302483.4/60

All: 4209.218+/-0.358 χ^2/NDF: 15600210.2/1



Right In: 2422.612+/-1033.852 χ^2/NDF: 32.1/30

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 1738.827+/-1015.682 χ^2/NDF: 66.8/35

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

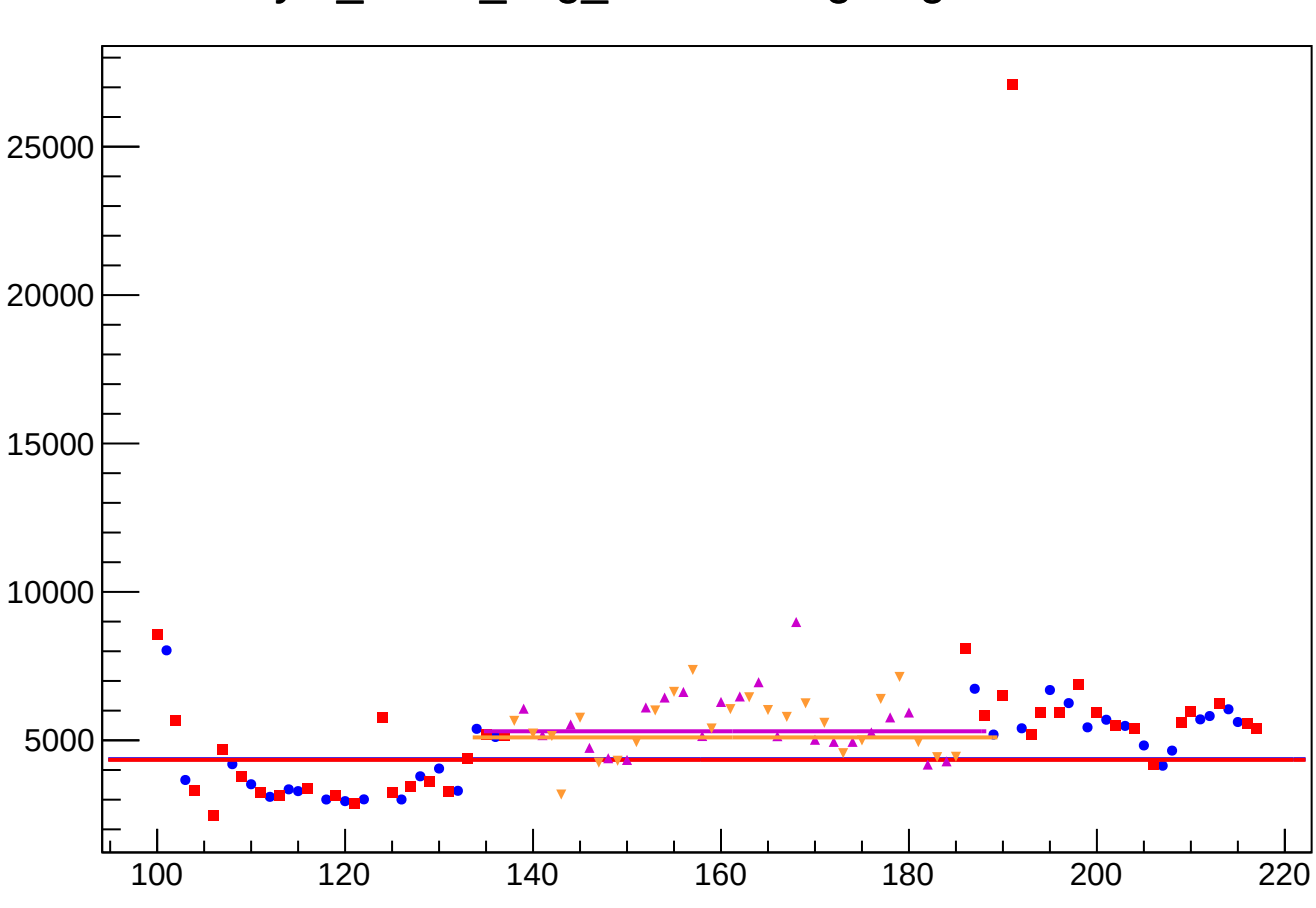
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

Right: 2074.658+/-724.534 χ^2/NDF: 99.1/66

In: 2422.775+/-799.153 χ^2/NDF:47.1/53

Out: 2080.242+/-771.908 χ^2/NDF:96.1/60

All: 2245.570+/-555.203 χ^2/NDF: 143.3/114



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: 4341.786+/-0.712 χ^2/NDF: 3487198.5/35

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

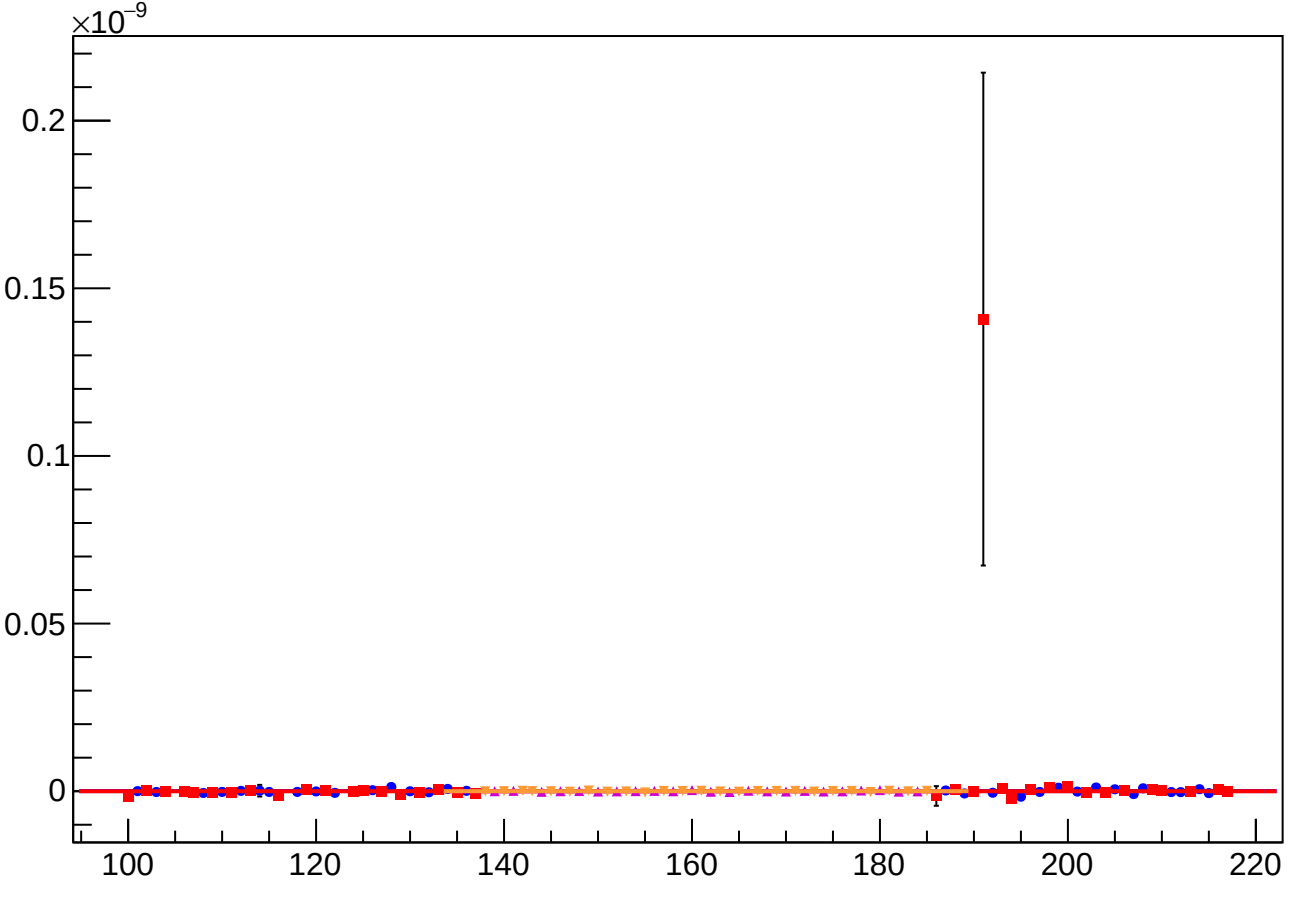
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

Right: 4352.190+/-0.510 χ^2/NDF: 6149226.2/66

In: 4741.912+/-0.565 χ^2/NDF:4346458.9/53

Out: 4657.926+/-0.543 χ^2/NDF:5503433.1/60

All: 4698.245+/-0.392 χ^2/NDF: 9861376.7/11



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: 41.7/35

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

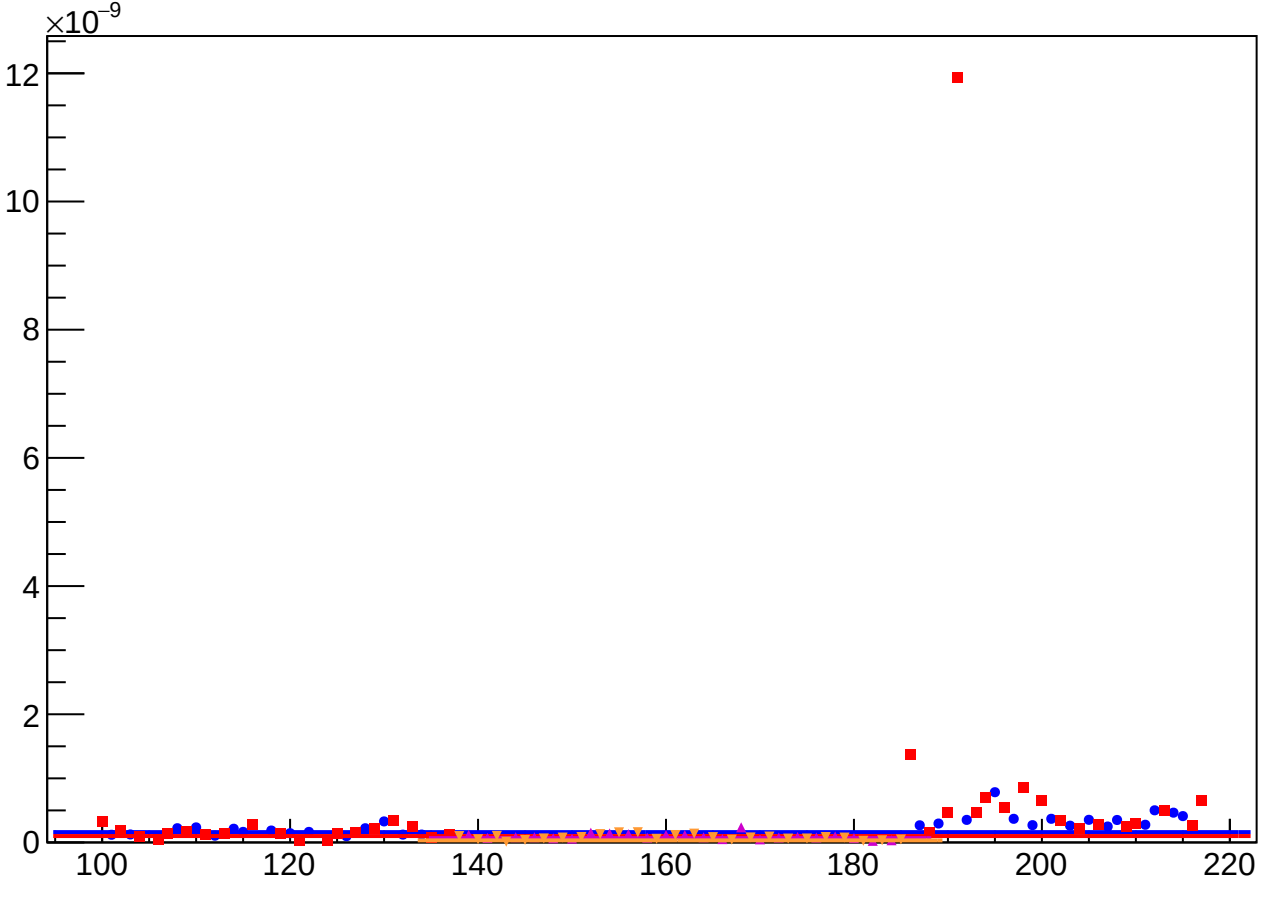
Right: 0.000+/-0.000 χ^2/NDF: 80.6/66

In: 0.000+/-0.000 χ^2/NDF:61.7/53

Out: 0.000+/-0.000 χ^2/NDF:57.0/60

All: 0.000+/-0.000 χ^2/NDF: 118.8/114

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4236356.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8992303.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

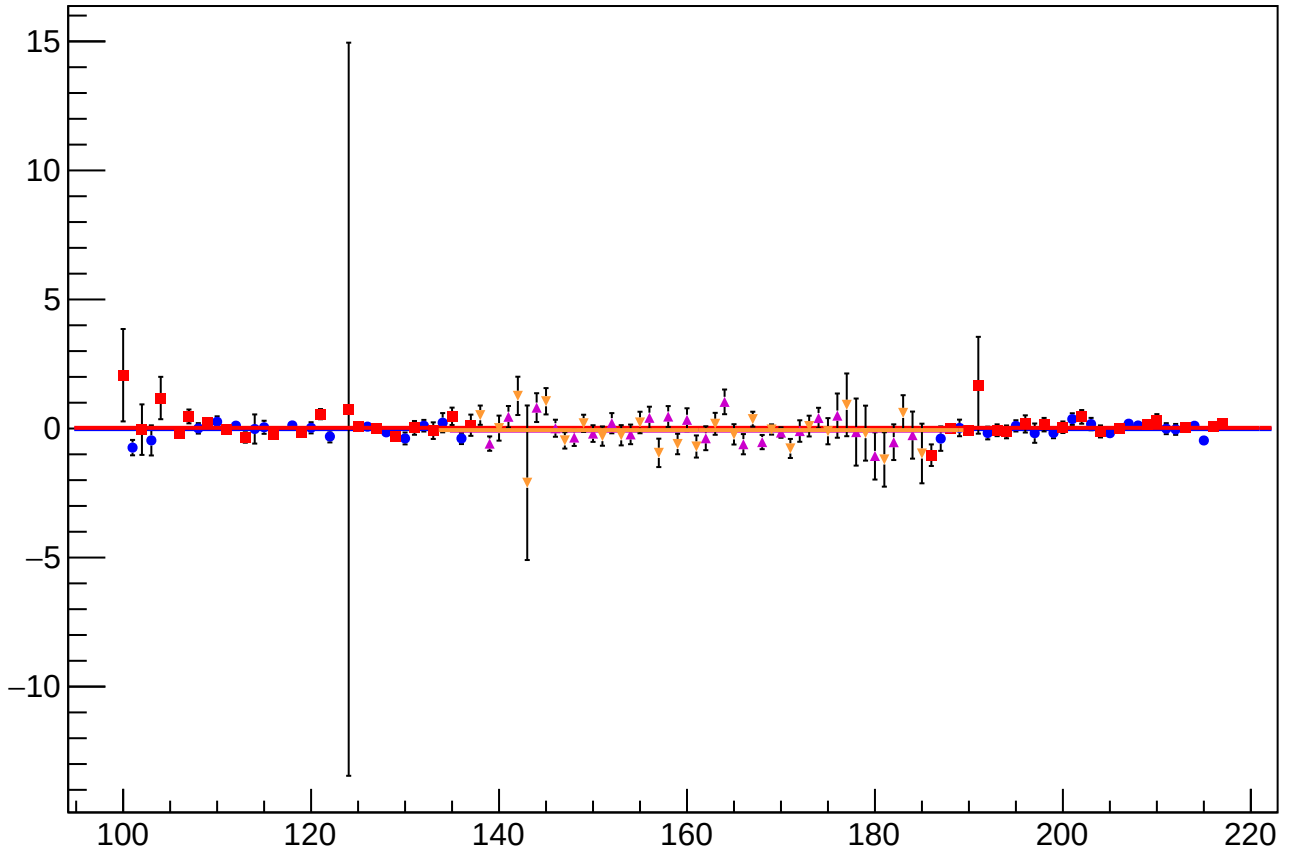
Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14321070.6/66

In: 0.000+/-0.000 χ^2/NDF:10065462.4/53

Out: 0.000+/-0.000 χ^2/NDF:18355965.8/60

All: 0.000+/-0.000 χ^2/NDF: 32206129.1/114



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: 0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

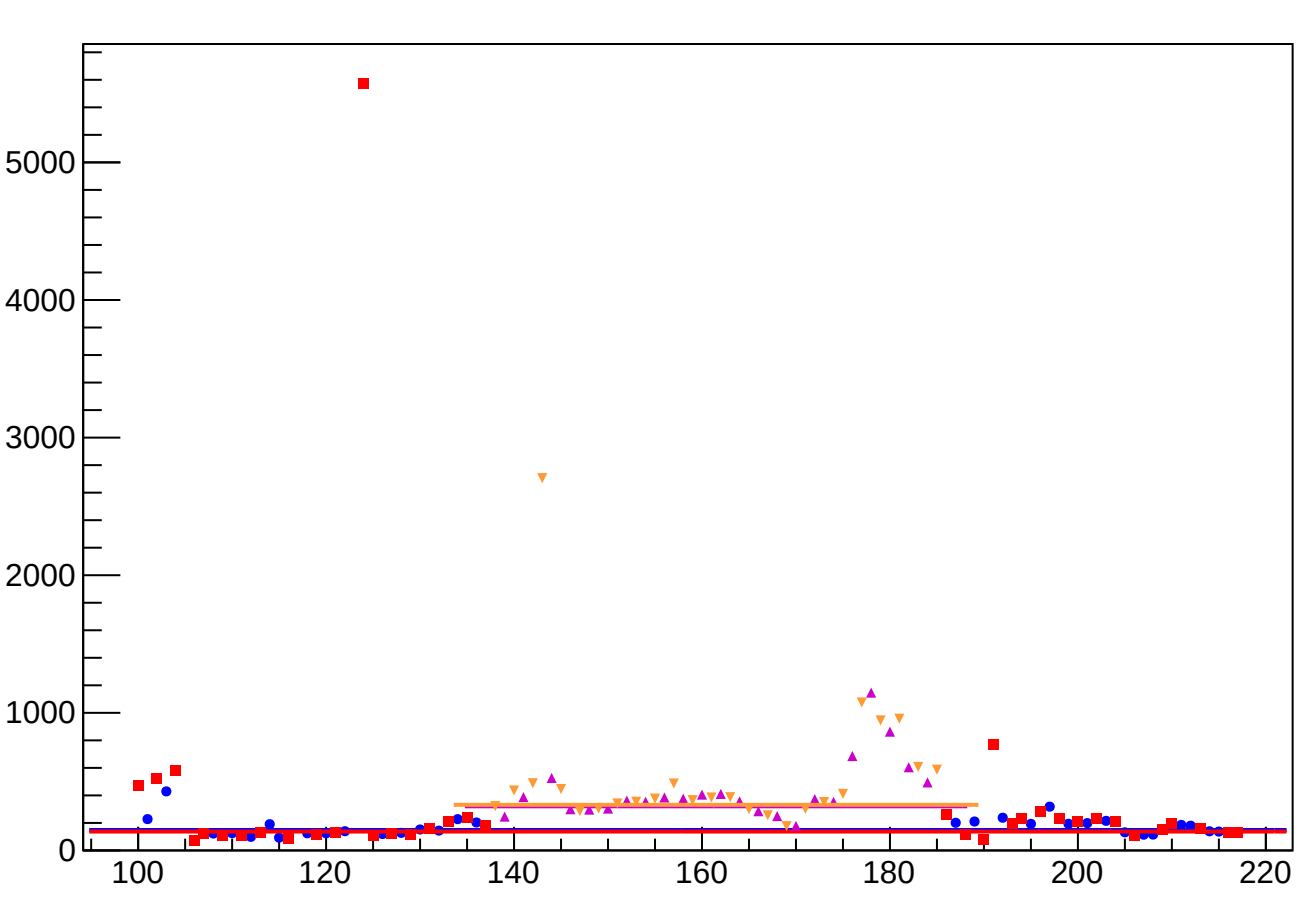
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: 0.003+/-0.025 χ^2/NDF: 84.1/66

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.014+/-0.032 χ^2/NDF:76.3/60

All: -0.009+/-0.023 χ^2/NDF: 143.4/114



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: 137.484+/-0.024 χ^2/NDF: 5110509.7/35

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

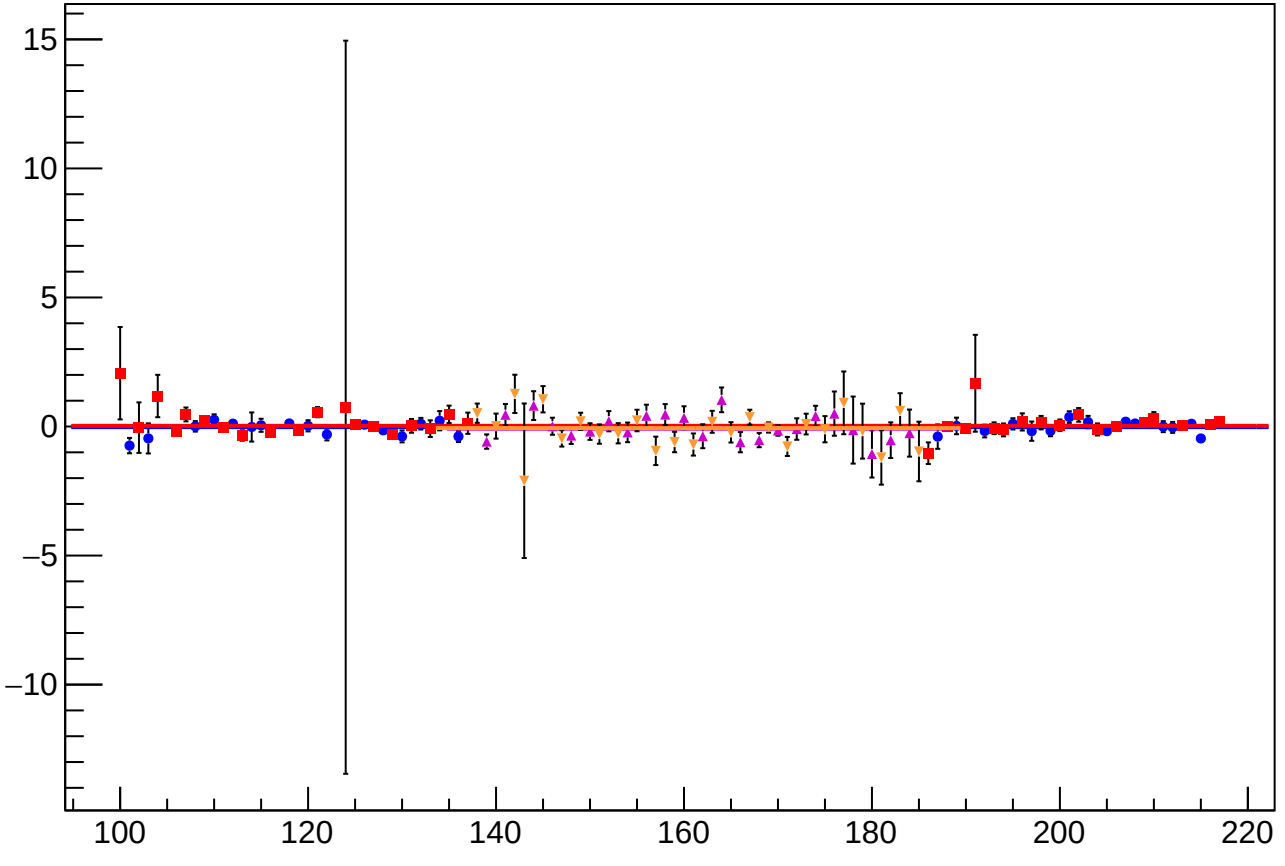
Right: 142.577+/-0.018 χ^2/NDF: 8176020.1/66

In: 178.007+/-0.024 χ^2/NDF:14686676.8/53

Out: 165.368+/-0.022 χ^2/NDF:20167595.9/60

All: 171.324+/-0.016 χ^2/NDF: 35003963.8/1

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

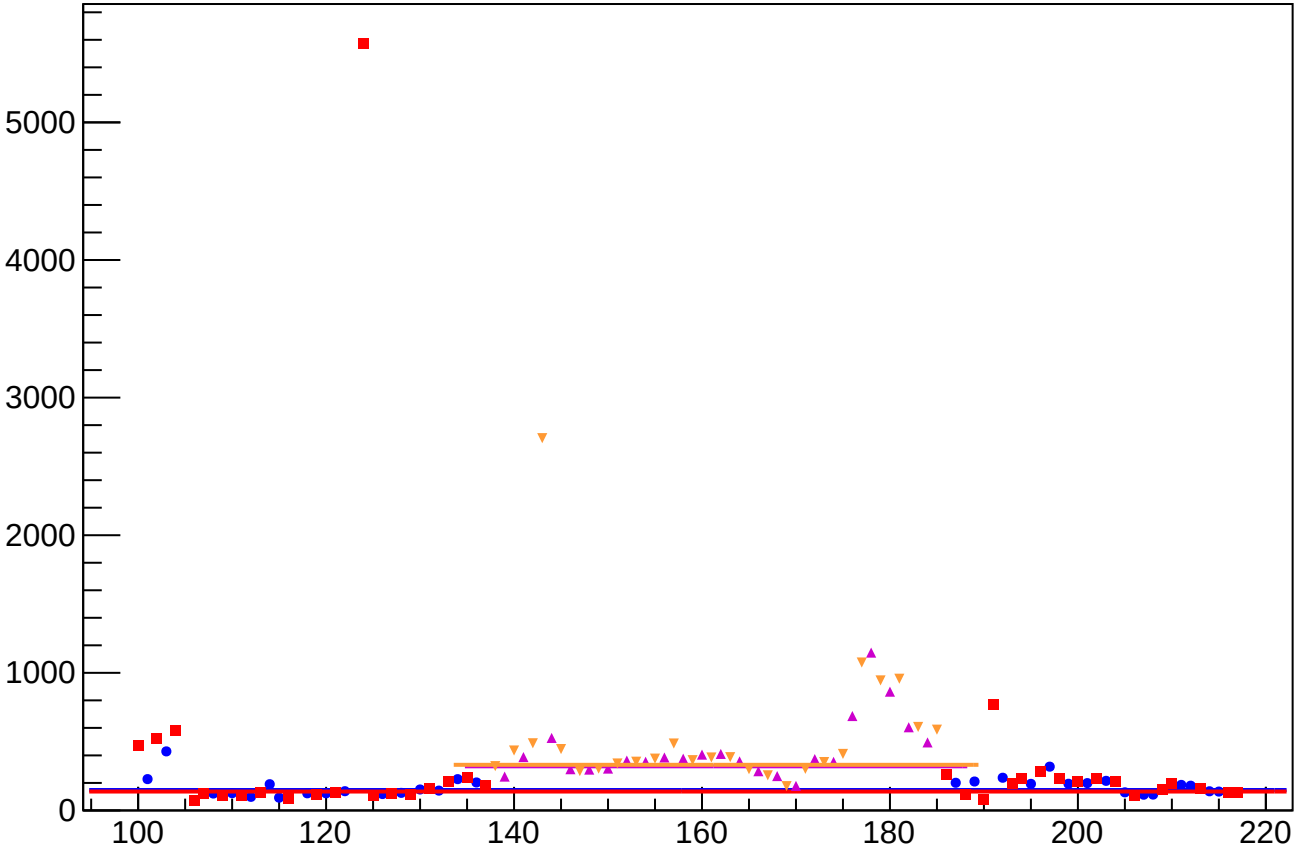
Right: 0.003+/-0.025 χ^2/NDF: 84.1/66

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.014+/-0.032 χ^2/NDF:76.3/60

All: -0.009+/-0.023 χ^2/NDF: 143.4/114

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: 137.484+/-0.024 χ^2/NDF: 5110509.7/35

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

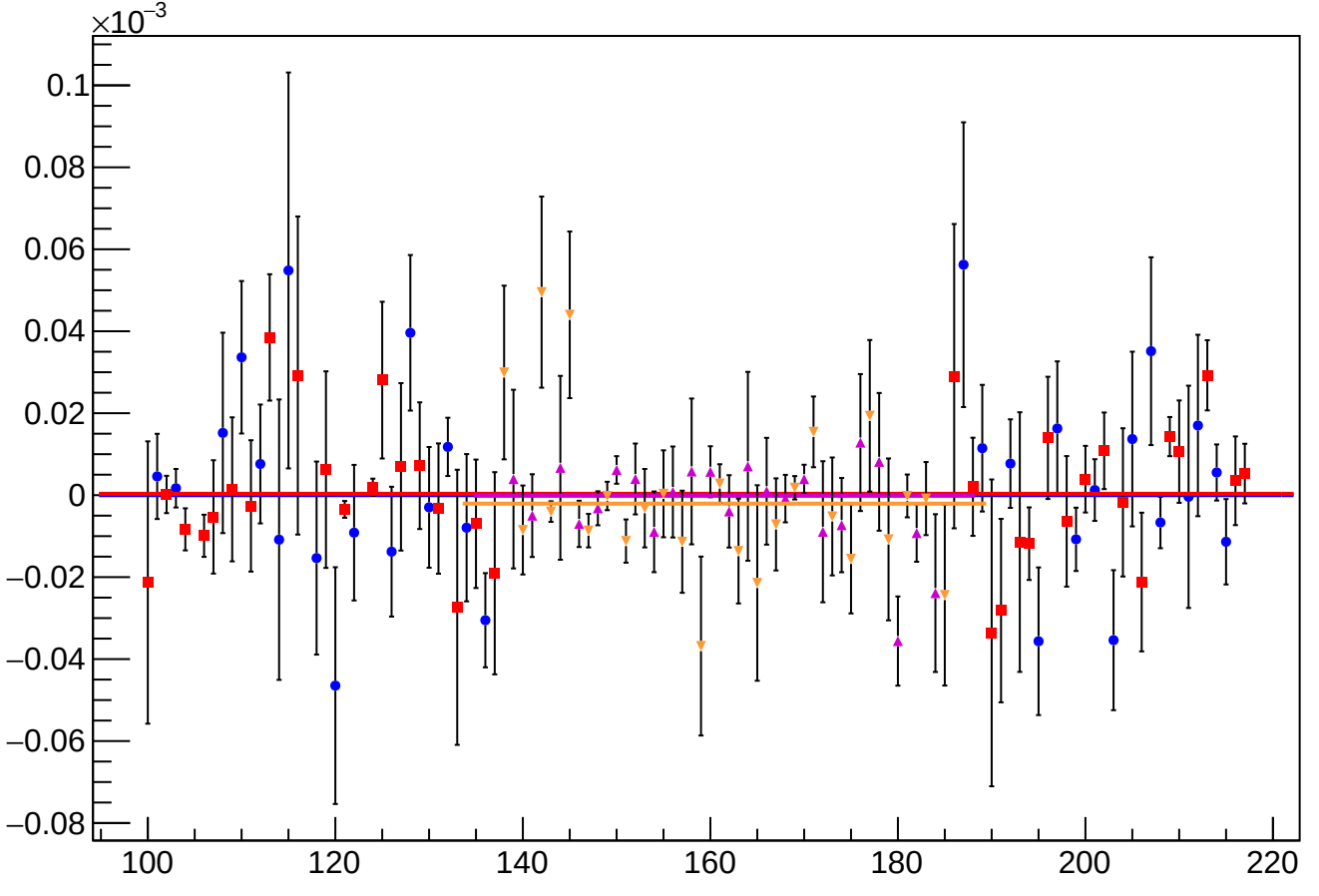
Right: 142.577+/-0.018 χ^2/NDF: 8176020.1/66

In: 178.007+/-0.024 χ^2/NDF:14686676.8/53

Out: 165.368+/-0.022 χ^2/NDF:20167595.9/60

All: 171.324+/-0.016 χ^2/NDF: 35003963.8/1

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 45.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 52.5/35

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

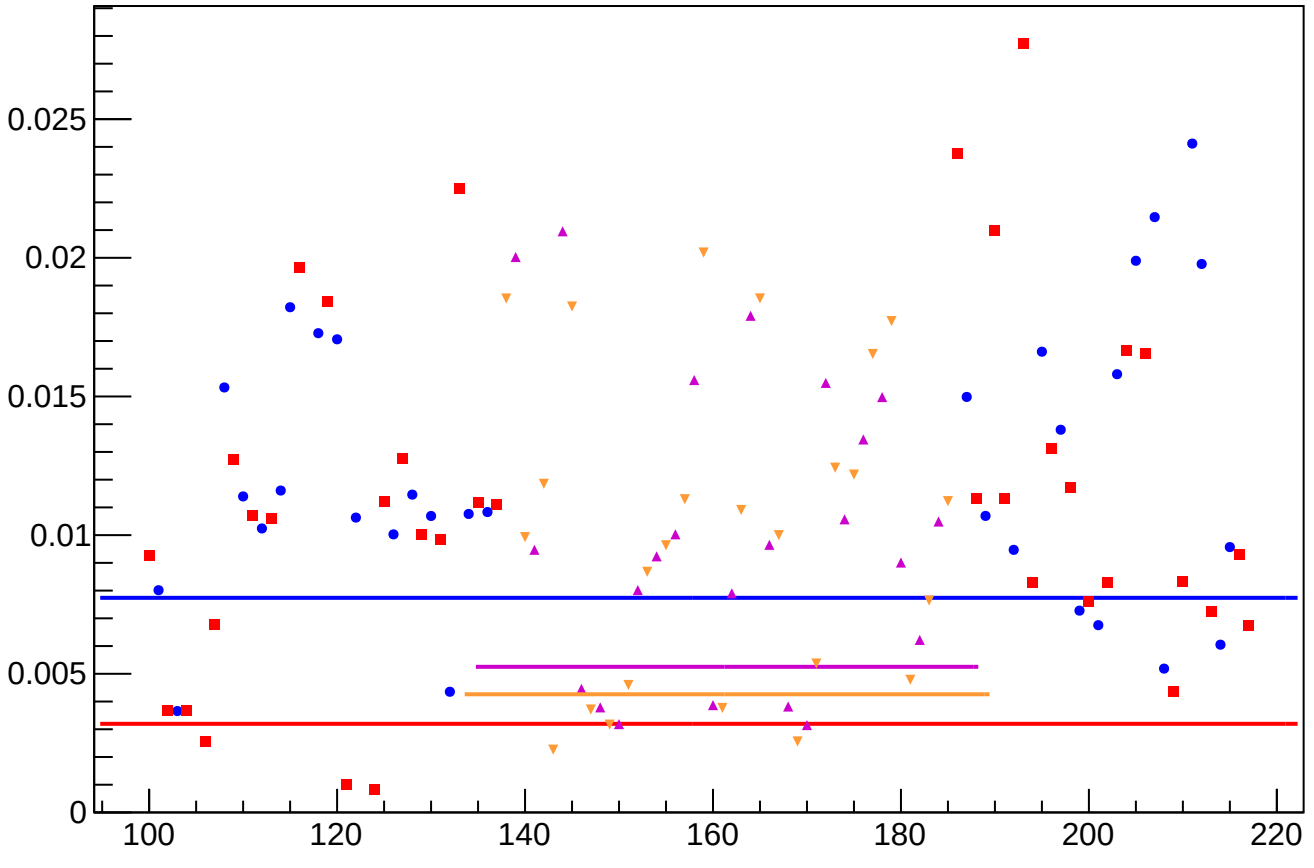
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: 0.000+/-0.000 χ^2/NDF: 97.8/66

In: -0.000+/-0.000 χ^2/NDF:70.2/53

Out: -0.000+/-0.000 χ^2/NDF:89.4/60

All: -0.000+/-0.000 χ^2/NDF: 159.7/114



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: 21854078.4/35

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

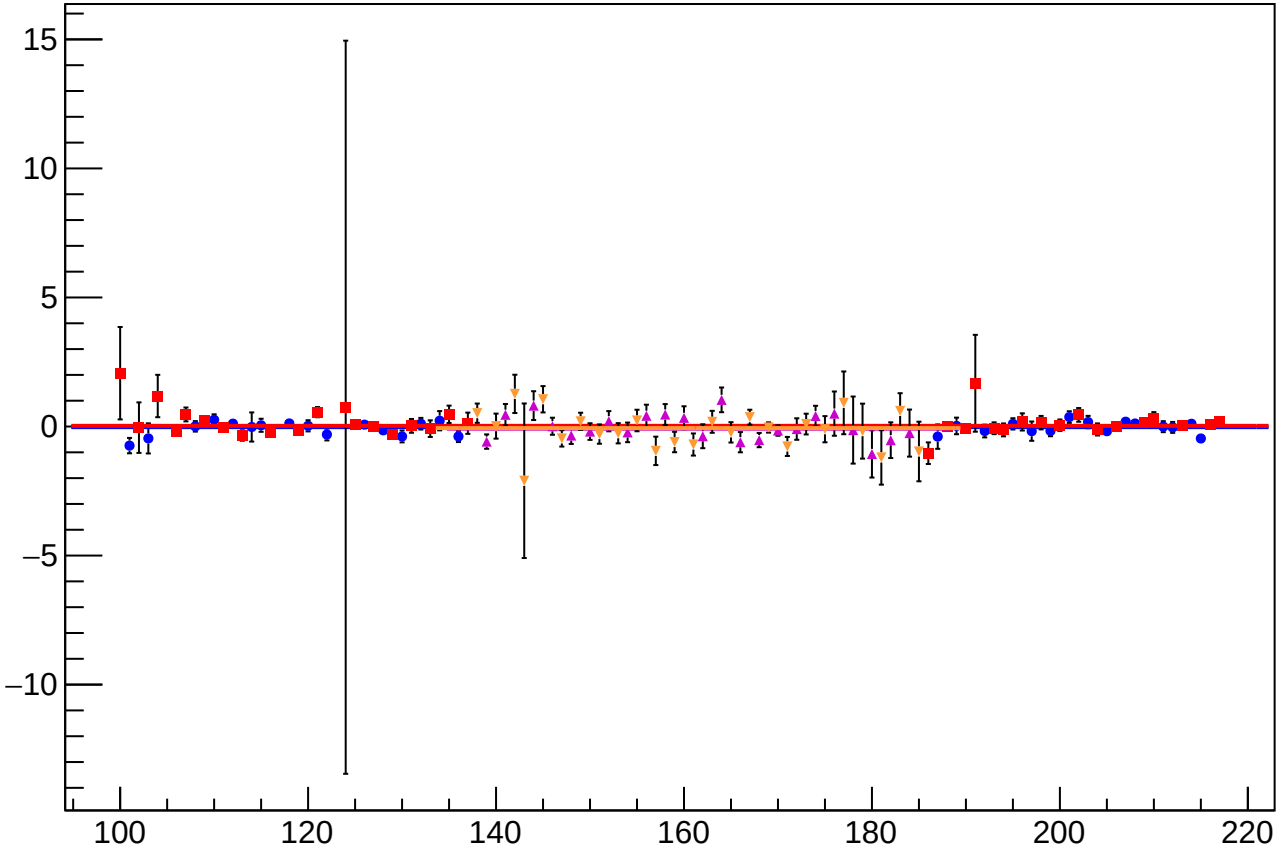
Right: 0.004+/-0.000 χ^2/NDF: 37411301.9/66

In: 0.006+/-0.000 χ^2/NDF:19492067.6/53

Out: 0.004+/-0.000 χ^2/NDF:35629249.7/60

All: 0.004+/-0.000 χ^2/NDF: 60606226.6/114

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: 0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

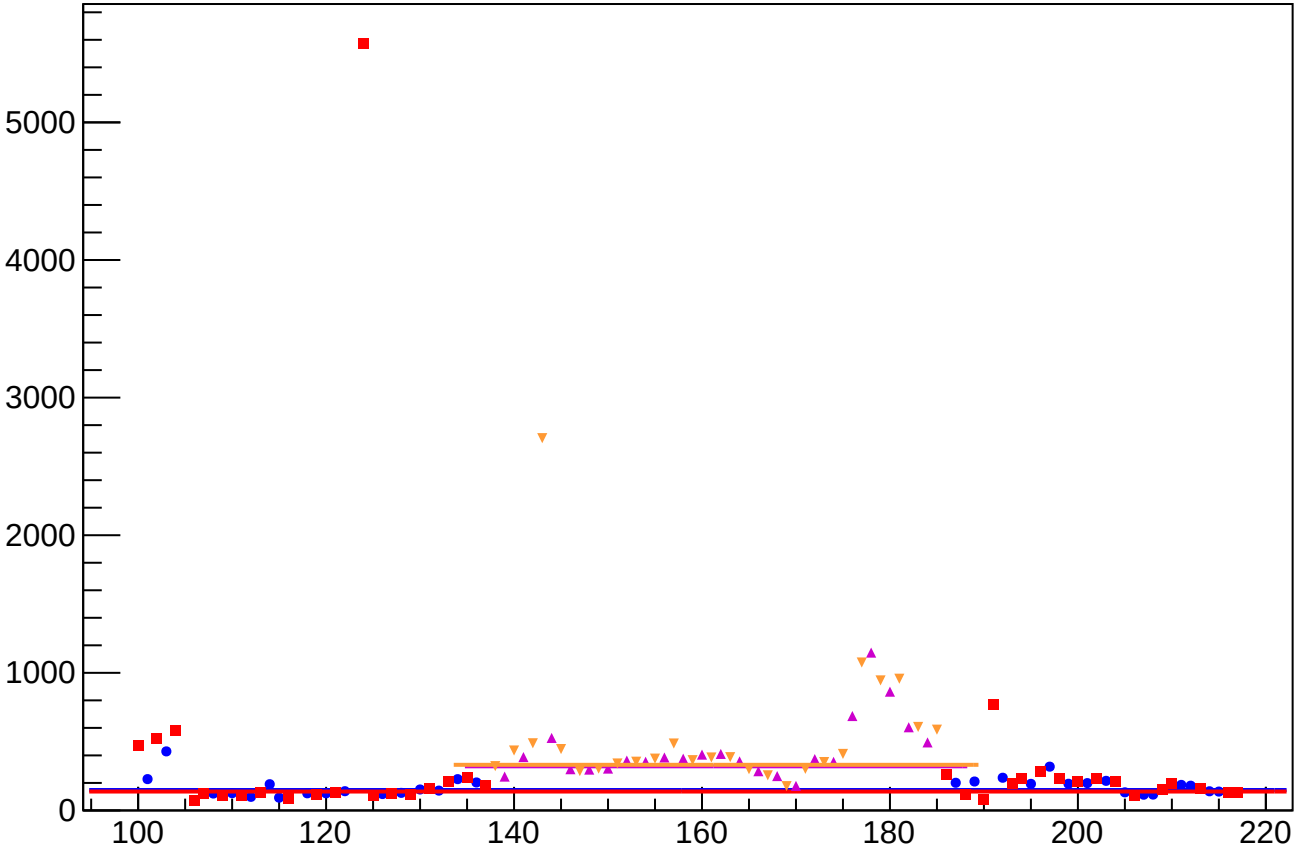
Right: 0.003+/-0.025 χ^2/NDF: 84.1/66

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.014+/-0.032 χ^2/NDF:76.3/60

All: -0.009+/-0.023 χ^2/NDF: 143.4/114

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: 137.483+/-0.024 χ^2/NDF: 5110531.9/35

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

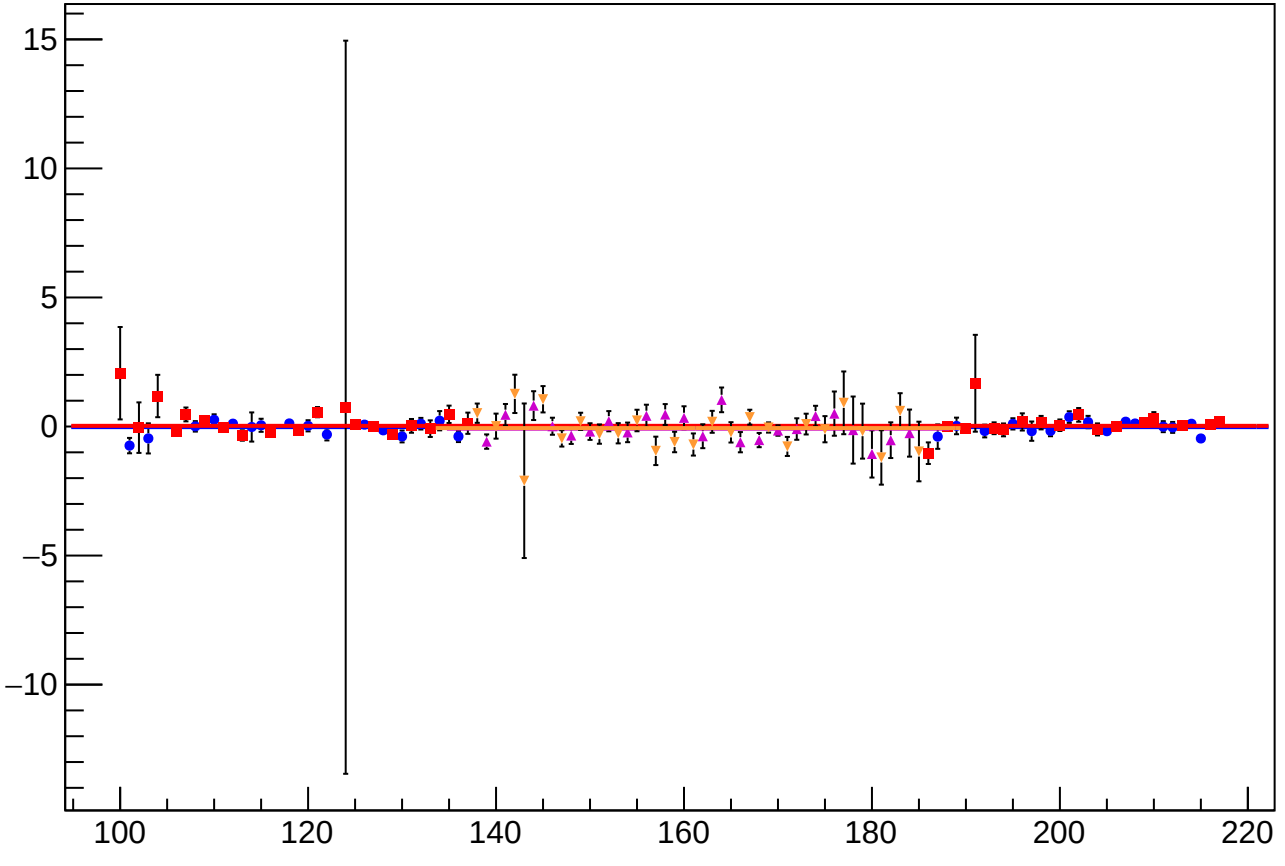
Right: 142.577+/-0.018 χ^2/NDF: 8176036.5/66

In: 178.007+/-0.024 χ^2/NDF:14686798.6/53

Out: 165.367+/-0.022 χ^2/NDF:20167823.7/60

All: 171.324+/-0.016 χ^2/NDF: 35004330.7/11

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

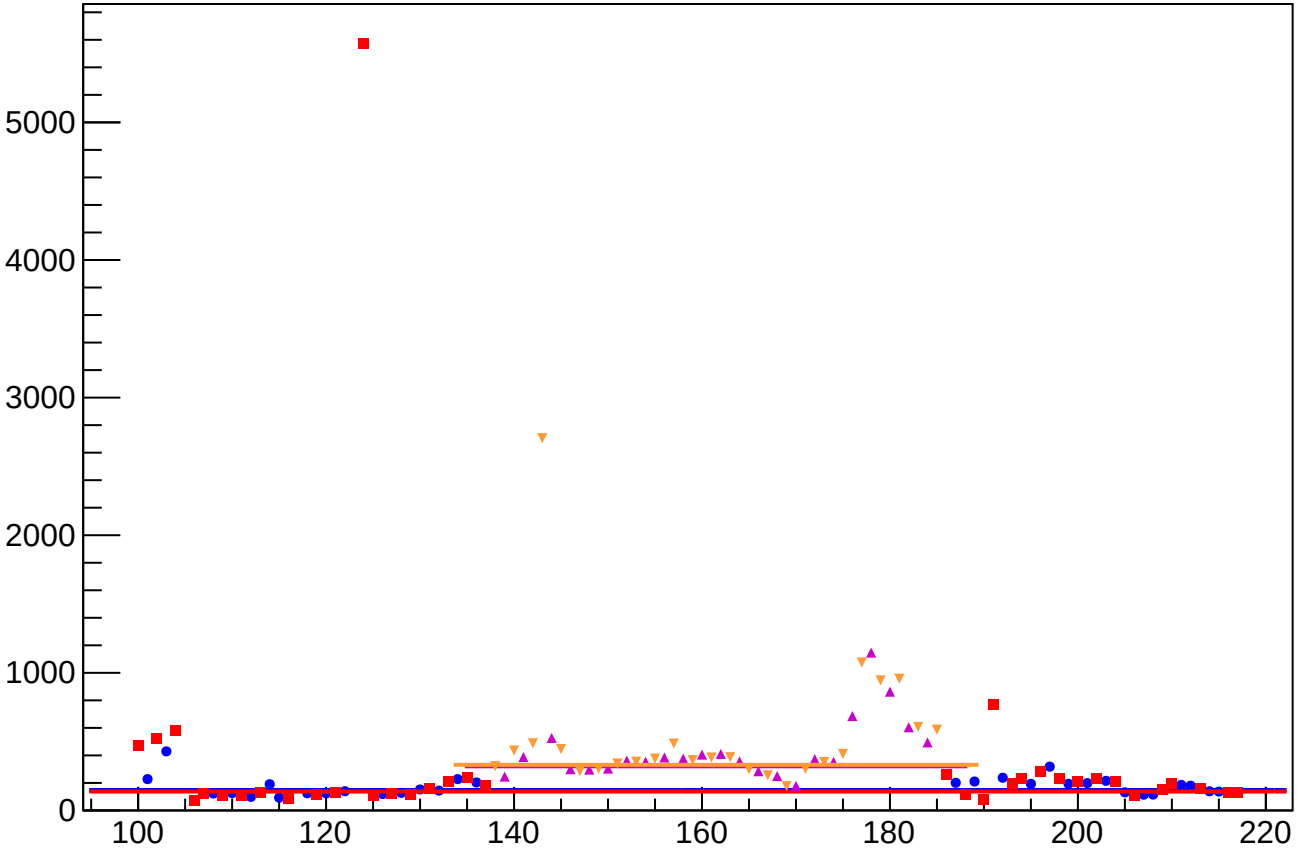
Right: 0.003+/-0.025 χ^2/NDF: 84.1/66

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.014+/-0.032 χ^2/NDF:76.3/60

All: -0.009+/-0.023 χ^2/NDF: 143.4/114

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: 137.483+/-0.024 χ^2/NDF: 5110531.9/35

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

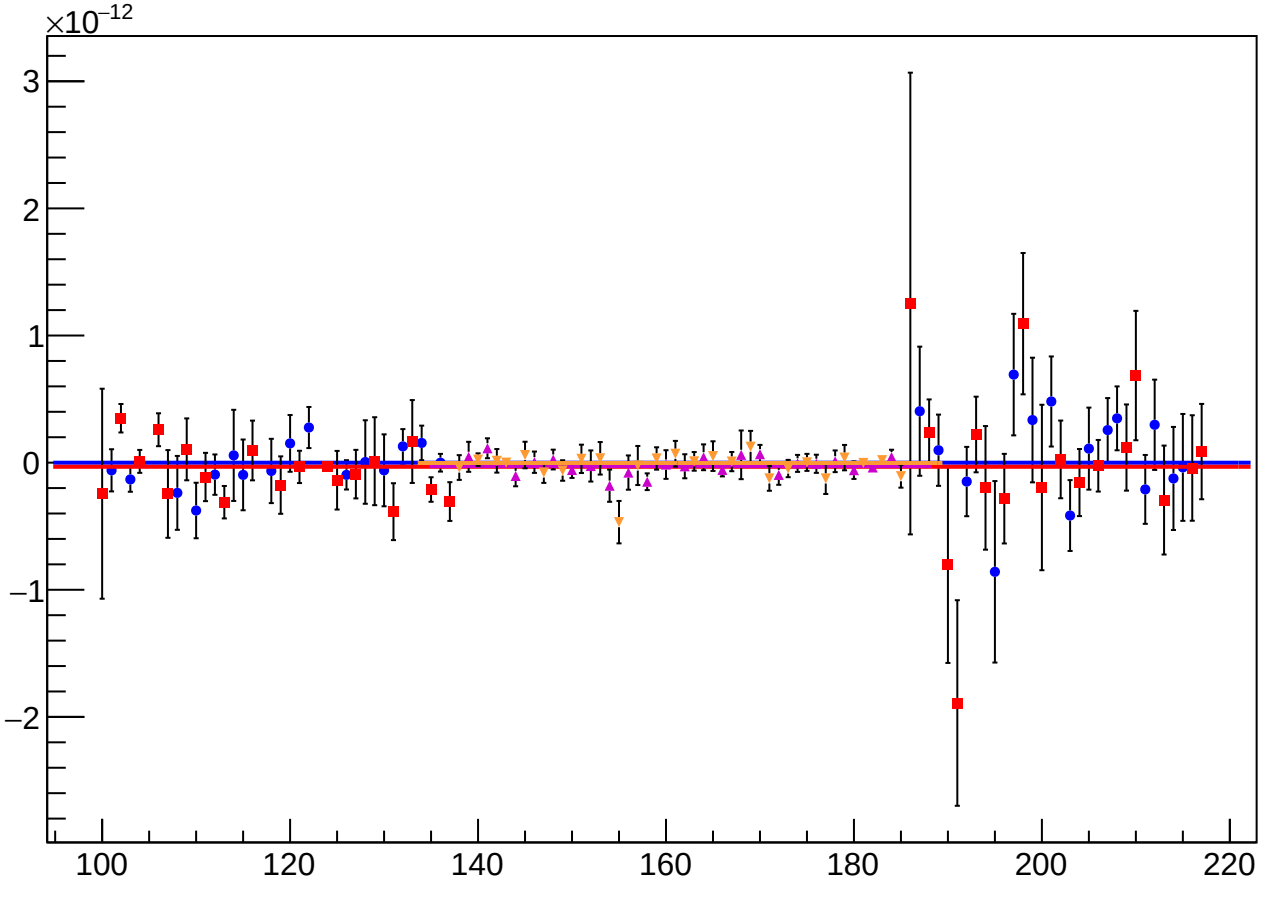
Right: 142.577+/-0.018 χ^2/NDF: 8176036.5/66

In: 178.007+/-0.024 χ^2/NDF:14686798.6/53

Out: 165.367+/-0.022 χ^2/NDF:20167823.7/60

All: 171.324+/-0.016 χ^2/NDF: 35004330.7/11

asym_atr1l2_avg_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:17.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 49.5/35

Left In: -0.000+/-0.000 χ^2/NDF:16.1/22

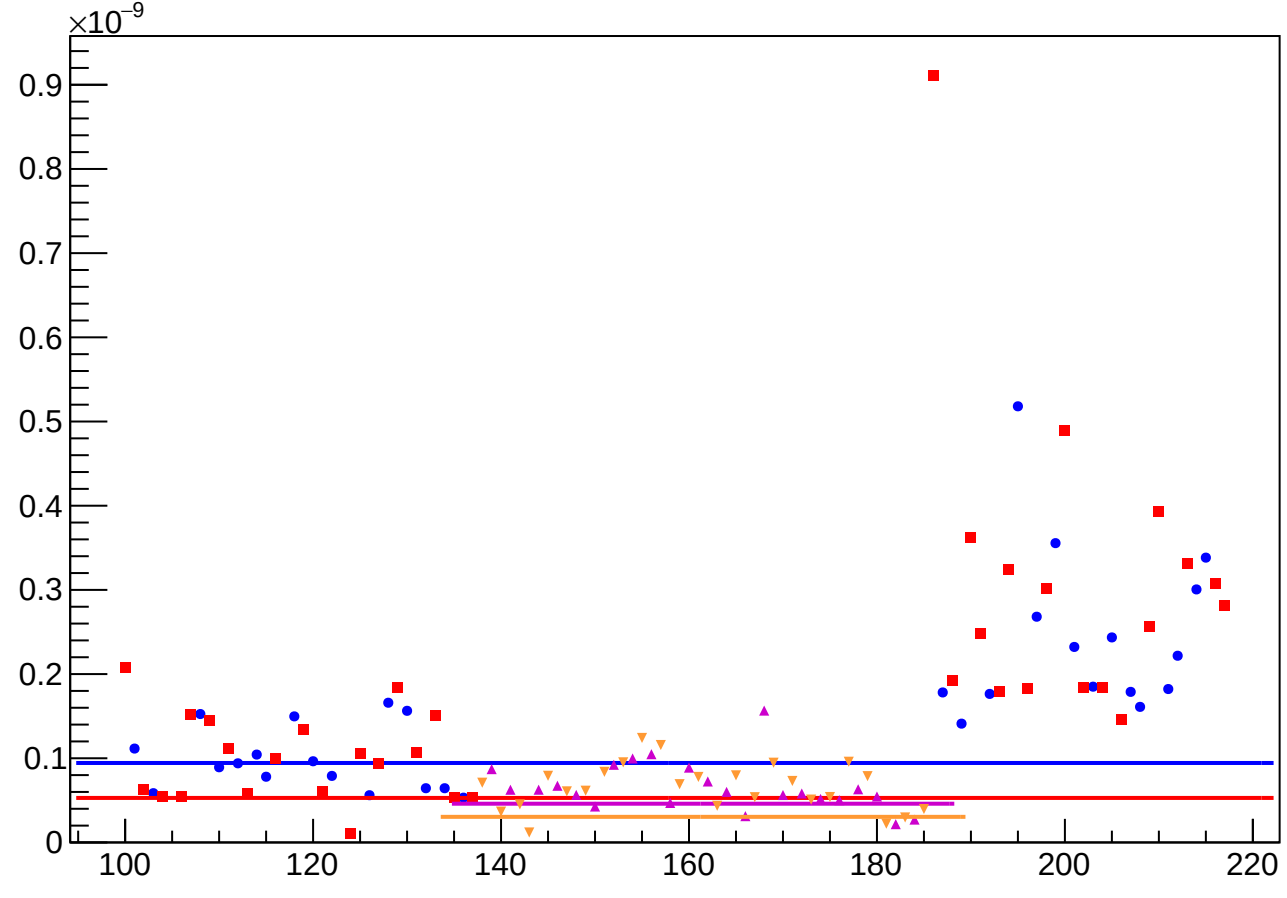
Left: -0.000+/-0.000 χ^2/NDF: 34.9/47

Right: -0.000+/-0.000 χ^2/NDF: 76.2/66

In: -0.000+/-0.000 χ^2/NDF:42.7/53

Out: -0.000+/-0.000 χ^2/NDF:67.7/60

All: -0.000+/-0.000 χ^2/NDF: 111.3/114



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: 14165161.4/35

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

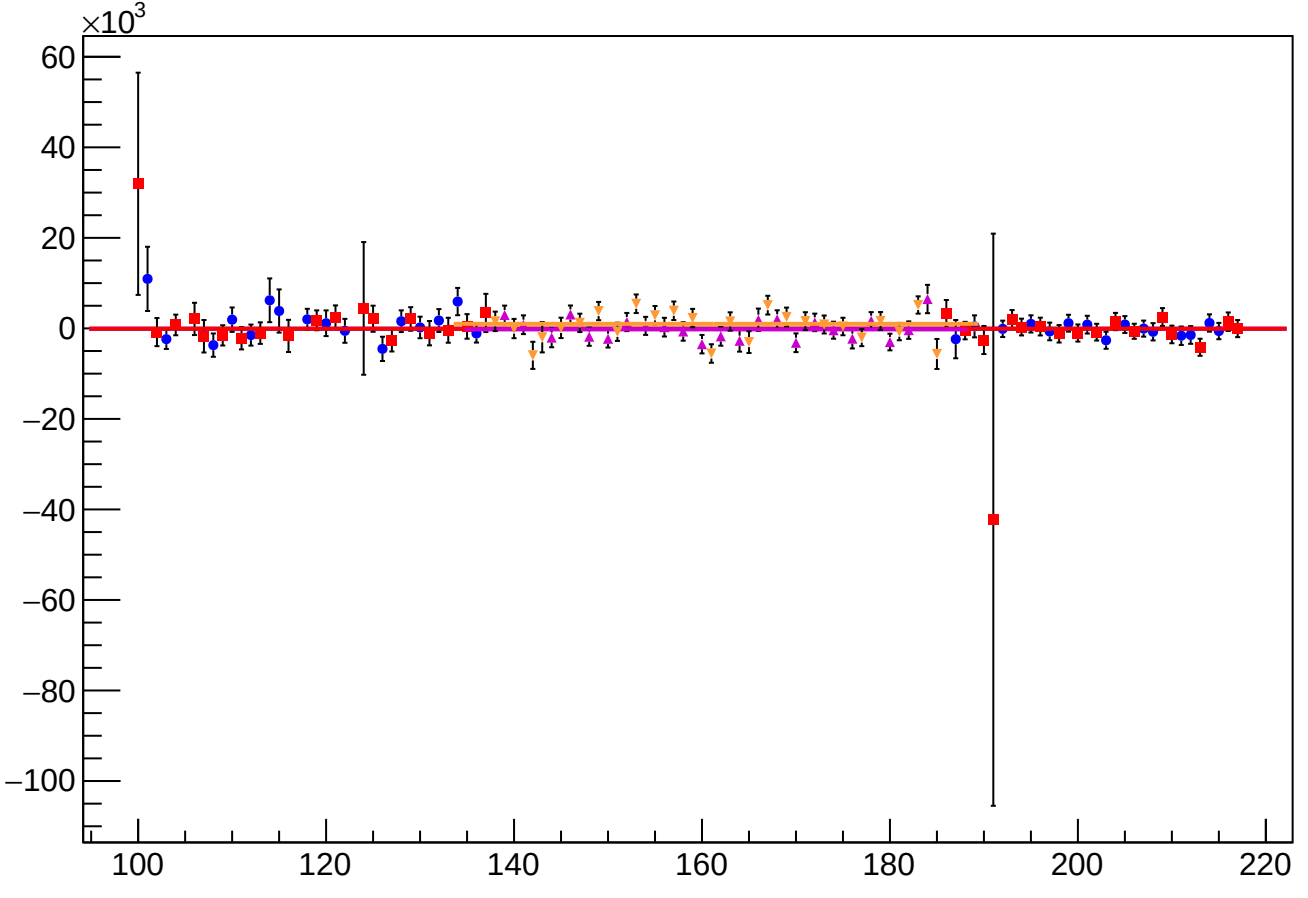
Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

Right: 0.000+/-0.000 χ^2/NDF: 22719048.1/66

In: 0.000+/-0.000 χ^2/NDF:14902157.7/53

Out: 0.000+/-0.000 χ^2/NDF:26099095.9/60

All: 0.000+/-0.000 χ^2/NDF: 43712996.1/114



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: -71.586+/-395.330 χ^2/NDF: 21.5/35

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

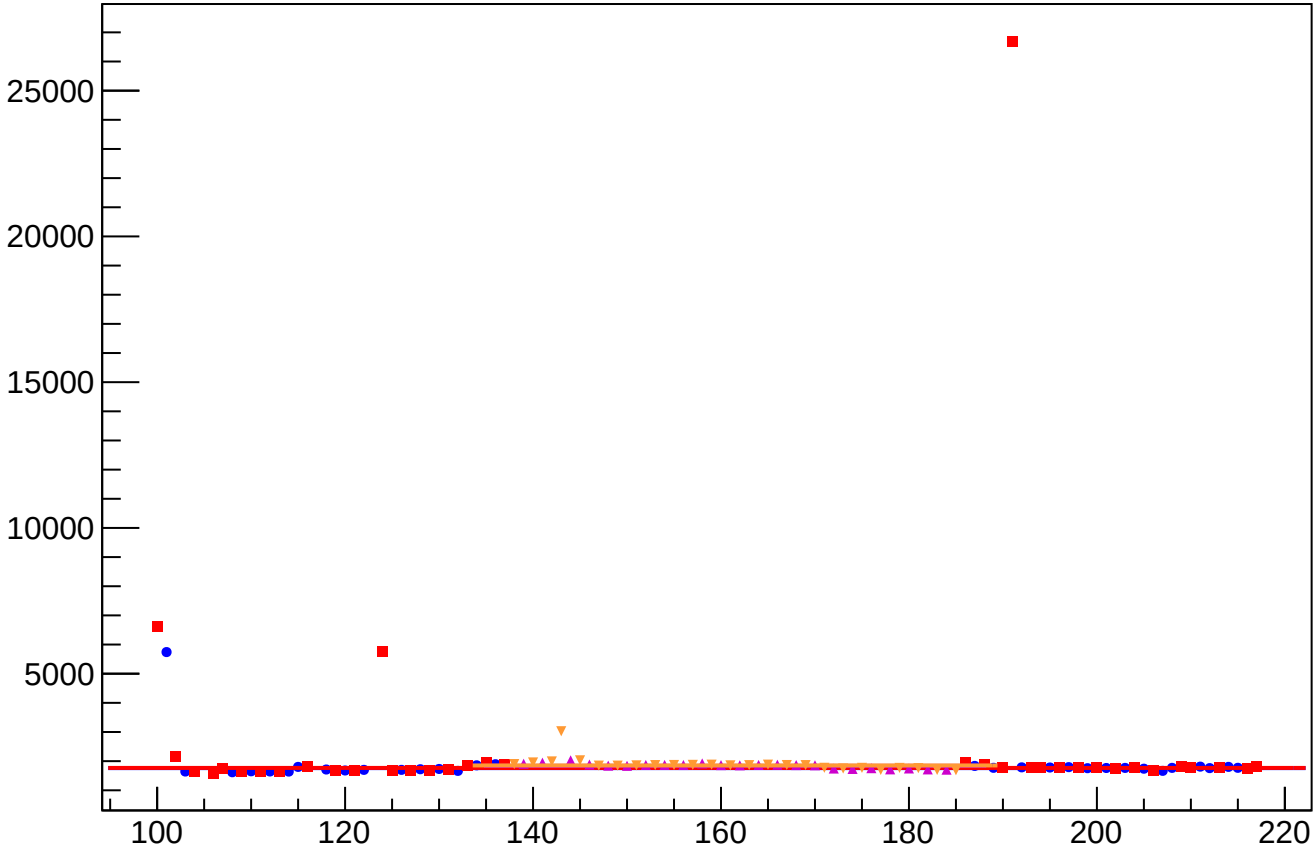
Right: -72.855+/-282.786 χ^2/NDF: 44.5/66

In: -147.104+/-294.597 χ^2/NDF:49.4/53

Out: 430.486+/-288.694 χ^2/NDF:72.3/60

All: 147.535+/-206.193 χ^2/NDF: 123.7/114

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1761.004+/-0.286 χ^2/NDF: 680234.0/30

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.728+/-0.279 χ^2/NDF: 647239.2/35

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

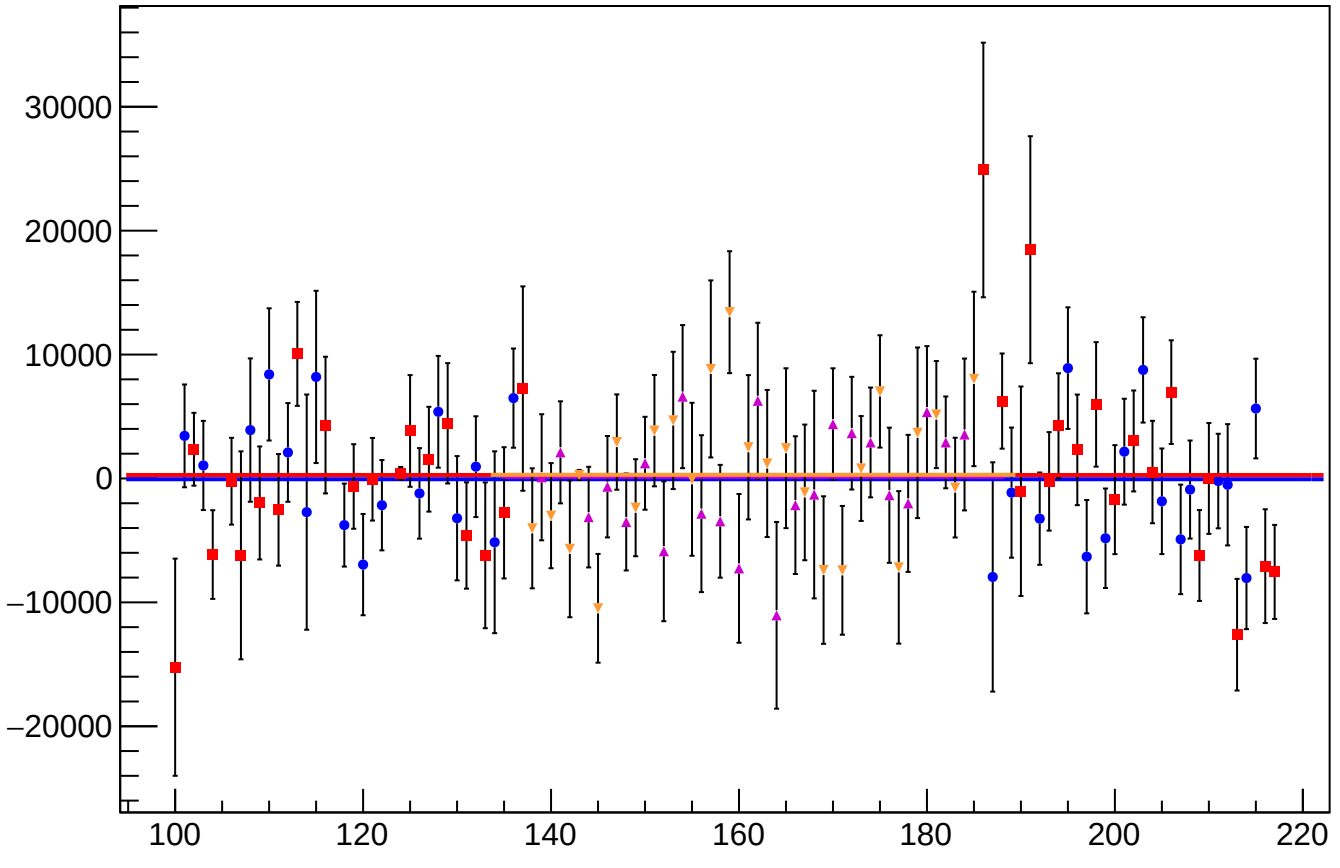
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1764.454+/-0.200 χ^2/NDF: 1327756.5/66

In: 1797.443+/-0.208 χ^2/NDF:783212.3/53

Out: 1807.195+/-0.204 χ^2/NDF:1011341.3/60

All: 1802.425+/-0.146 χ^2/NDF: 1795673.2/11



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: 280.848+/-422.632 χ^2/NDF: 55.1/35

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

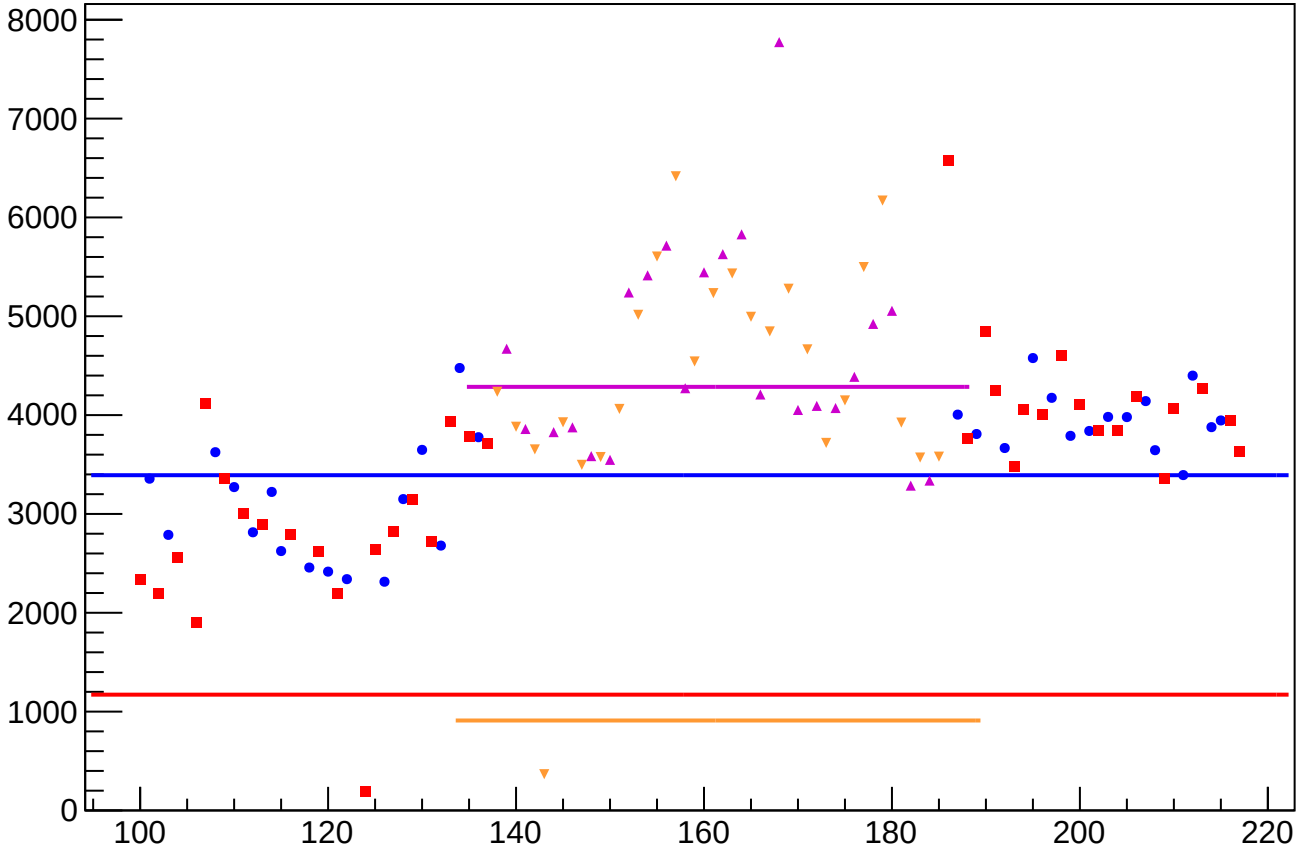
Right: 204.252+/-372.530 χ^2/NDF: 90.3/66

In: 12.352+/-624.655 χ^2/NDF:48.9/53

Out: 288.347+/-282.542 χ^2/NDF:85.1/60

All: 241.471+/-257.433 χ^2/NDF: 134.2/114

asym_atr1l2_dd_reg_correction_rms vs Slug, Sign Corrected



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: 1171.557+/-0.299 χ^2/NDF: 25480600.8/35

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

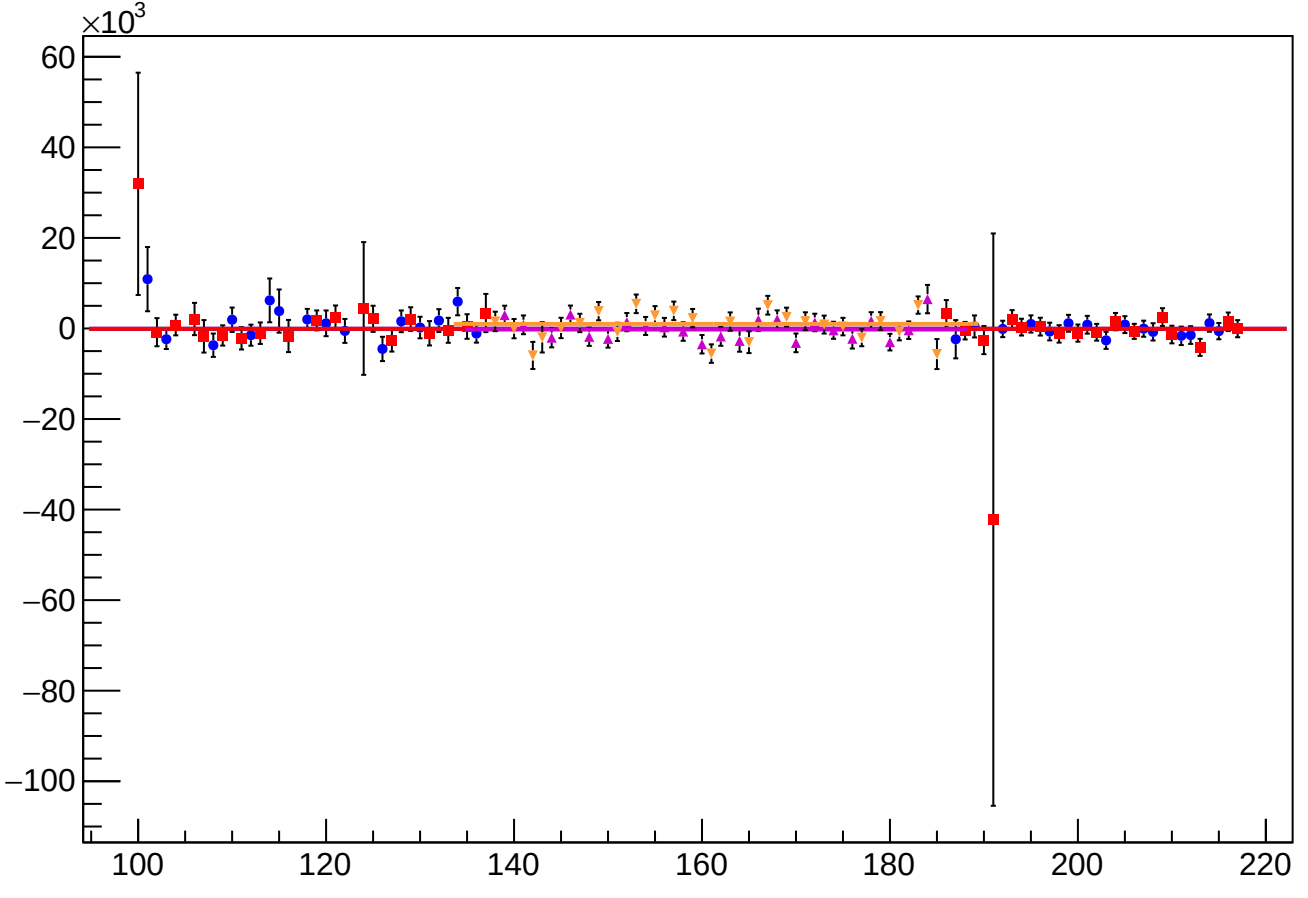
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1666.806+/-0.263 χ^2/NDF: 39207909.9/66

In: 3725.289+/-0.442 χ^2/NDF:3699878.7/53

Out: 1026.973+/-0.200 χ^2/NDF:52677946.7/60

All: 1485.262+/-0.182 χ^2/NDF: 87358865.7/1



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: -71.574+/-395.330 χ^2/NDF: 21.5/35

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

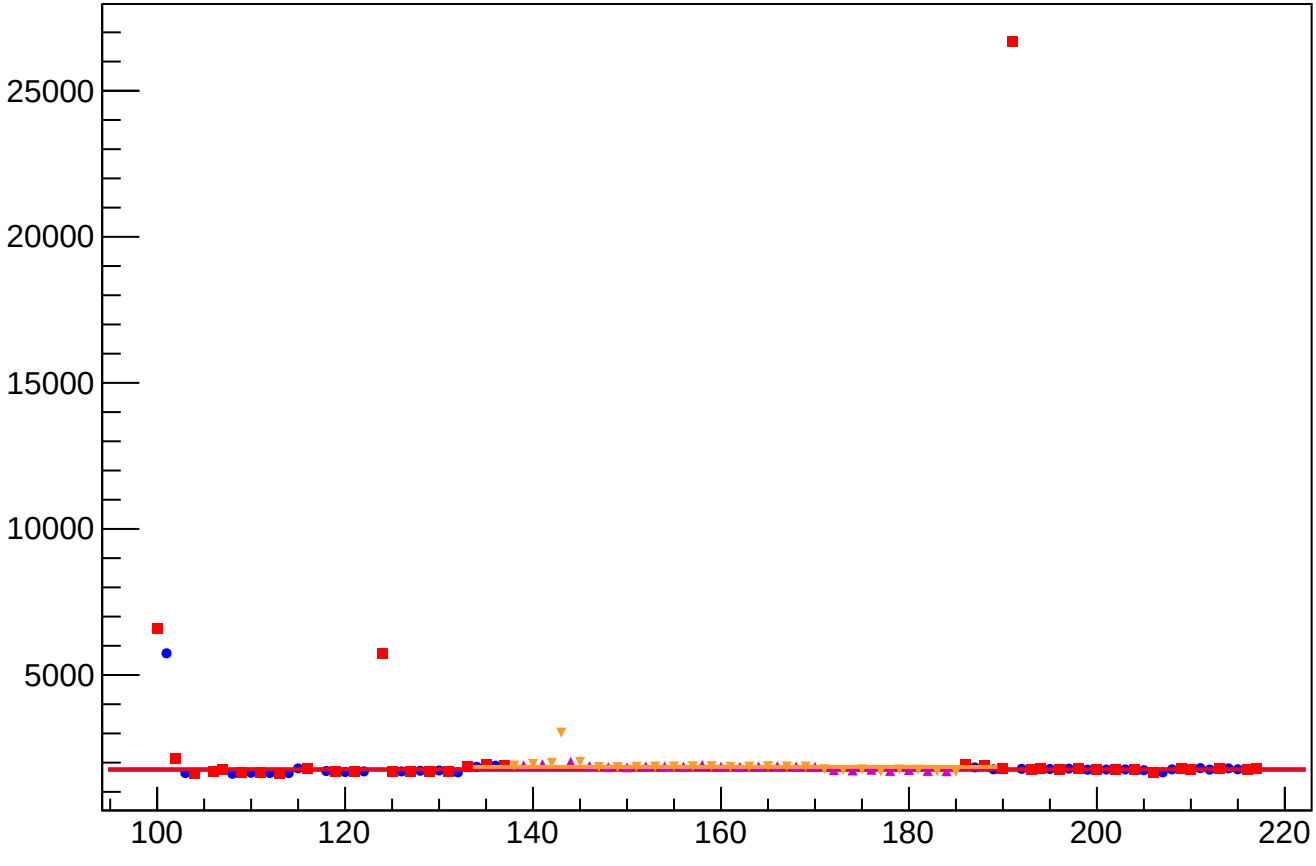
Right: -72.917+/-282.786 χ^2/NDF: 44.4/66

In: -147.138+/-294.597 χ^2/NDF:49.4/53

Out: 430.473+/-288.694 χ^2/NDF:72.3/60

All: 147.512+/-206.193 χ^2/NDF: 123.7/114

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: 1770.254+/-0.279 χ^2/NDF: 638987.2/35

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

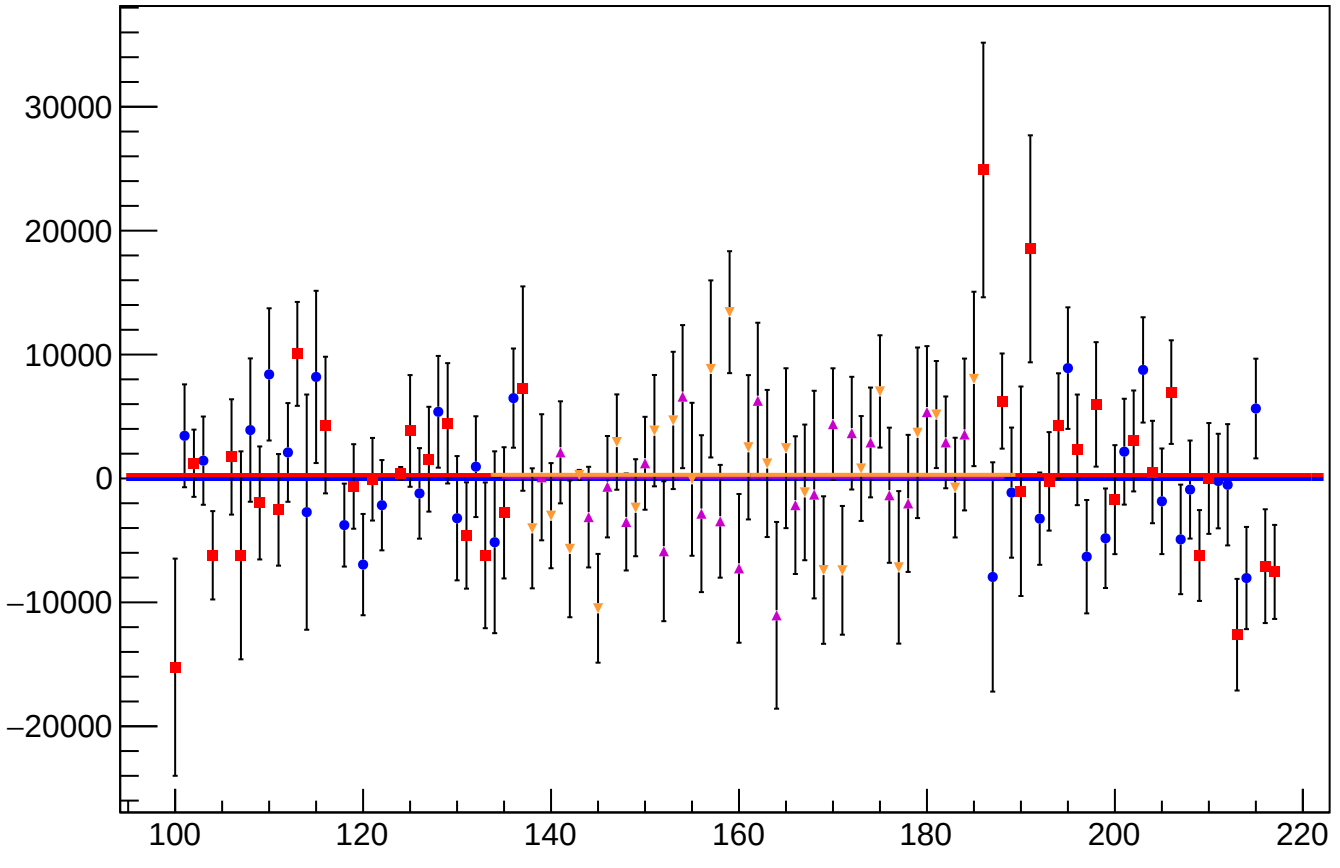
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.743+/-0.200 χ^2/NDF: 1319756.8/66

In: 1797.443+/-0.208 χ^2/NDF:783212.6/53

Out: 1808.600+/-0.204 χ^2/NDF:1000512.1/60

All: 1803.138+/-0.146 χ^2/NDF: 1785189.0/11



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: 278.777+/-423.350 χ^2/NDF: 54.9/35

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

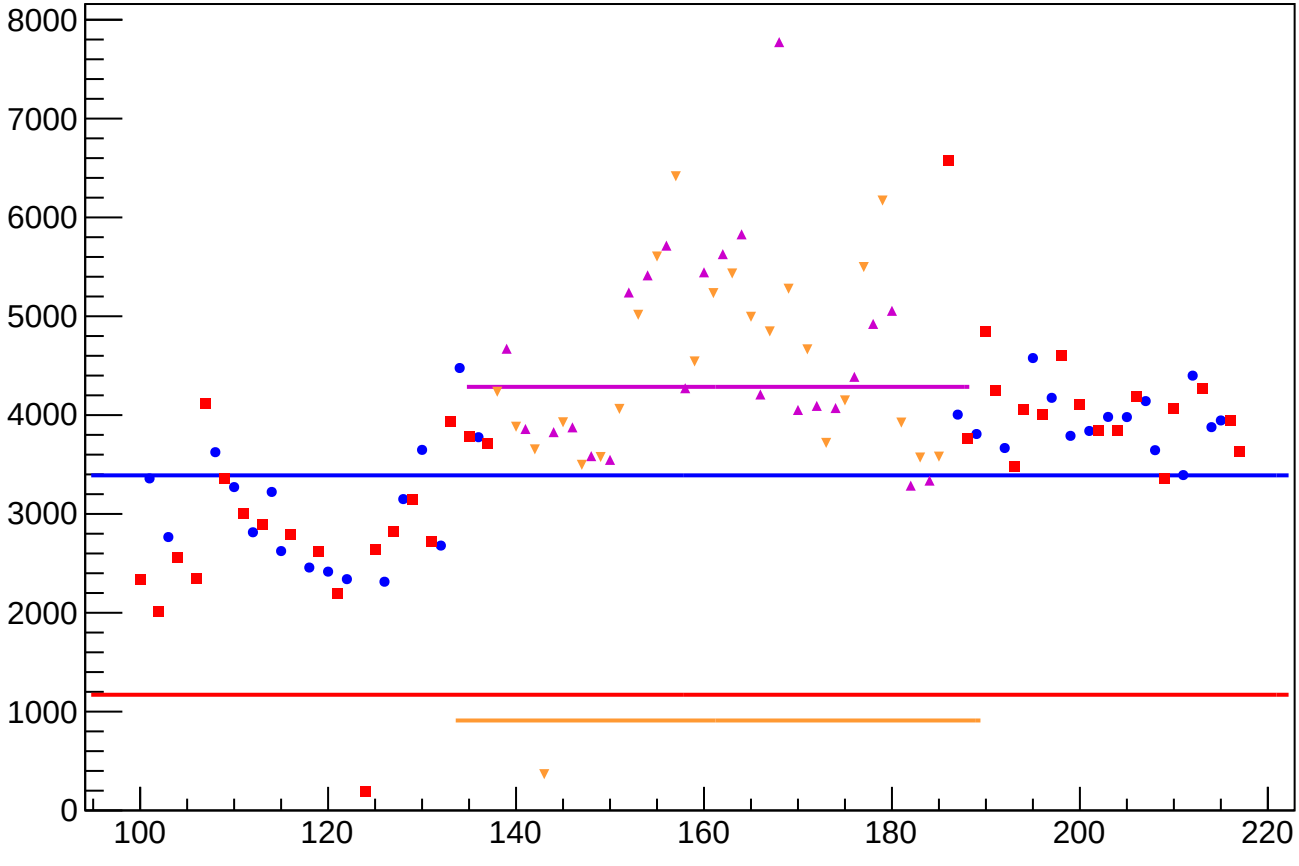
Right: 206.874+/-372.981 χ^2/NDF: 90.1/66

In: 24.864+/-624.464 χ^2/NDF:49.0/53

Out: 287.933+/-282.769 χ^2/NDF:85.0/60

All: 243.171+/-257.590 χ^2/NDF: 134.1/114

asym_atr1l2_dd_cor_correction_rms vs Slug, Sign Corrected



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: 1170.594+/-0.299 χ^2/NDF: 25456844.1/35

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

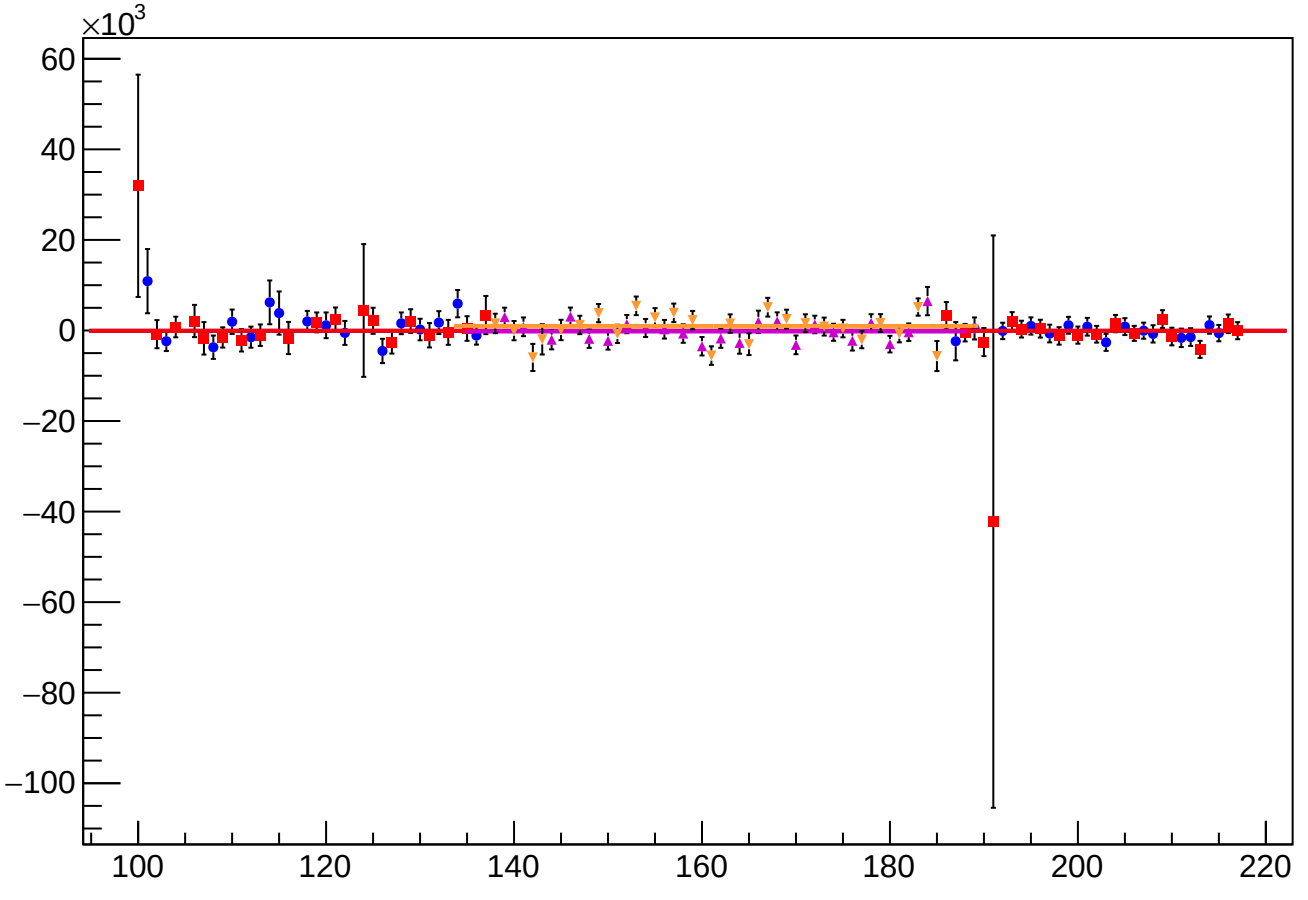
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1667.381+/-0.264 χ^2/NDF: 39182417.1/66

In: 3724.078+/-0.442 χ^2/NDF:3709096.8/53

Out: 1026.399+/-0.200 χ^2/NDF:52648722.0/60

All: 1485.422+/-0.182 χ^2/NDF: 87331455.7/1



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: -71.574+/-395.330 χ^2/NDF: 21.5/35

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

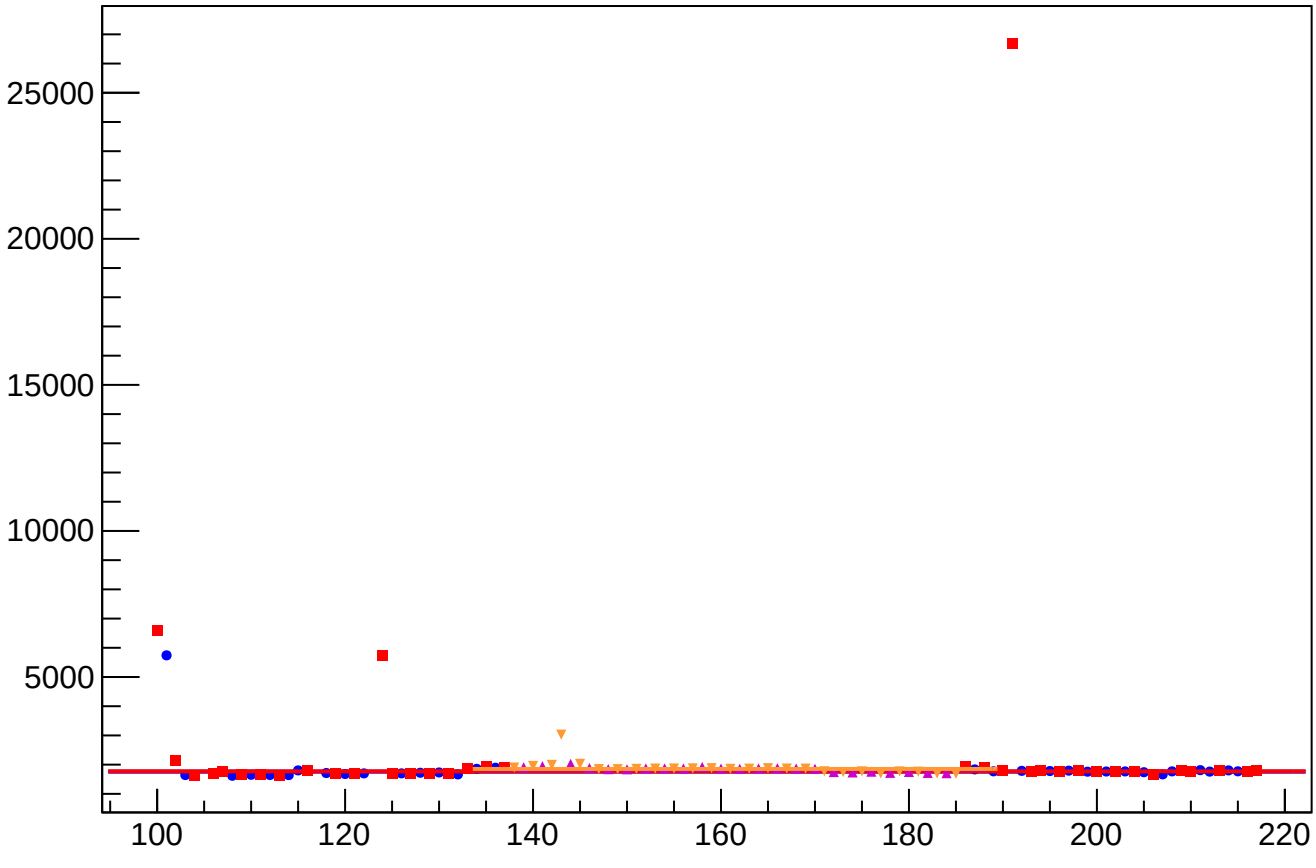
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -72.917+/-282.786 χ^2/NDF: 44.4/66

In: -147.138+/-294.597 χ^2/NDF:49.4/53

Out: 430.473+/-288.694 χ^2/NDF:72.3/60

All: 147.512+/-206.193 χ^2/NDF: 123.7/114



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: 1770.254+/-0.279 χ^2/NDF: 638987.2/35

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

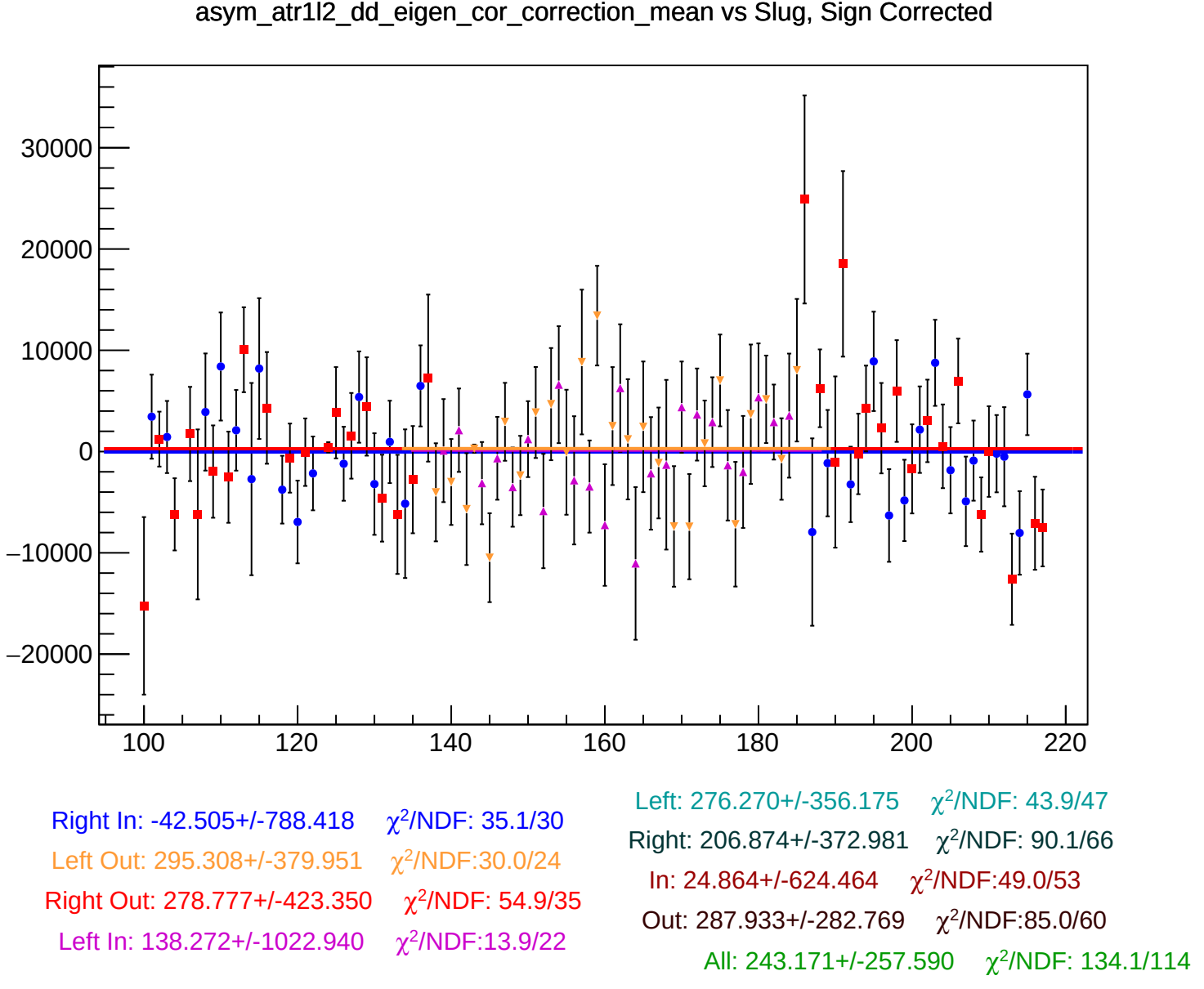
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.743+/-0.200 χ^2/NDF: 1319756.8/66

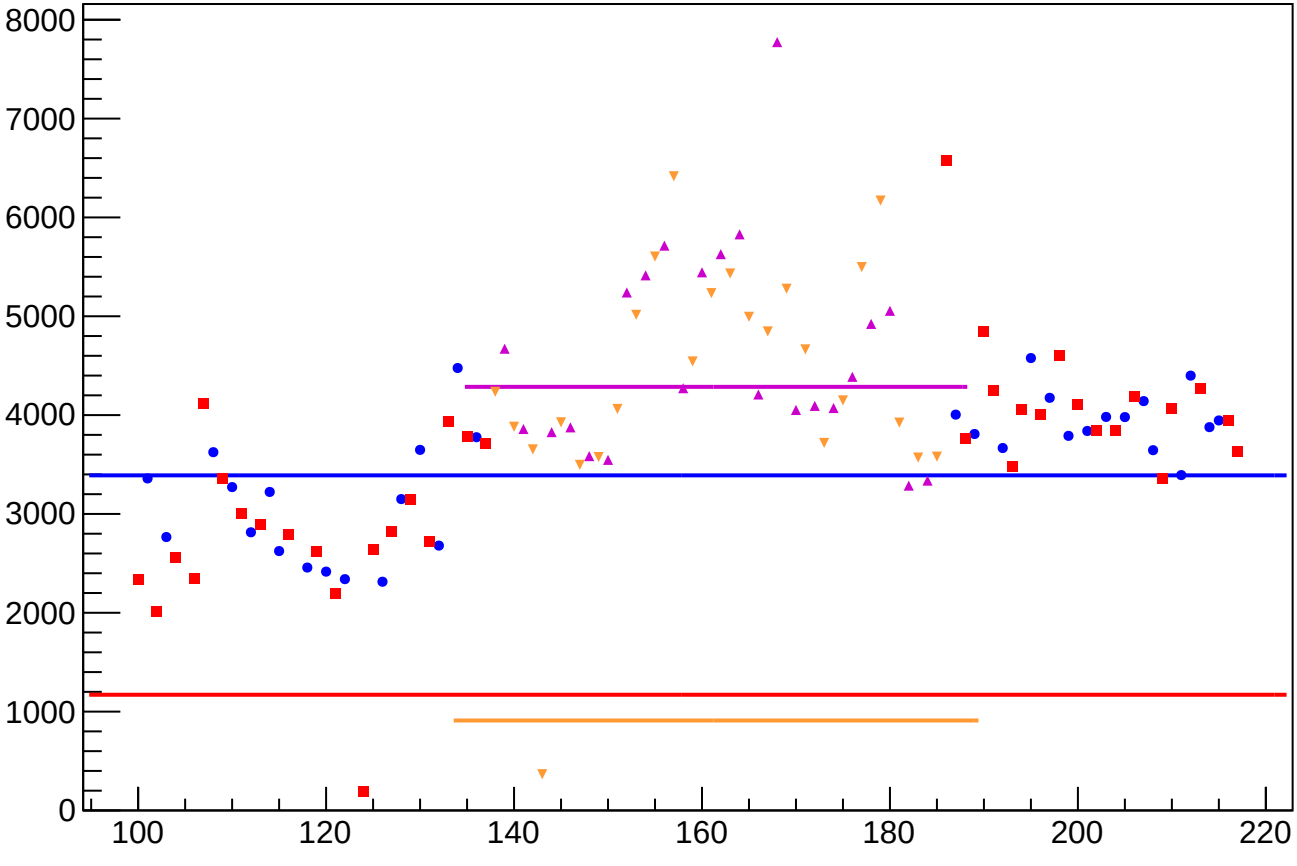
In: 1797.443+/-0.208 χ^2/NDF:783212.6/53

Out: 1808.600+/-0.204 χ^2/NDF:1000512.1/60

All: 1803.138+/-0.146 χ^2/NDF: 1785189.0/11


asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -42.505+/-788.418 χ²/NDF: 35.1/30
Left Out: 295.308+/-379.951 χ²/NDF:30.0/24
Right Out: 278.777+/-423.350 χ²/NDF: 54.9/35
Left In: 138.272+/-1022.940 χ²/NDF:13.9/22
Left: 276.270+/-356.175 χ²/NDF: 43.9/47
Right: 206.874+/-372.981 χ²/NDF: 90.1/66
In: 24.864+/-624.464 χ²/NDF:49.0/53
Out: 287.933+/-282.769 χ²/NDF:85.0/60
All: 243.171+/-257.590 χ²/NDF: 134.1/114

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1170.594+/-0.299 χ^2/NDF: 25456844.1/35

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

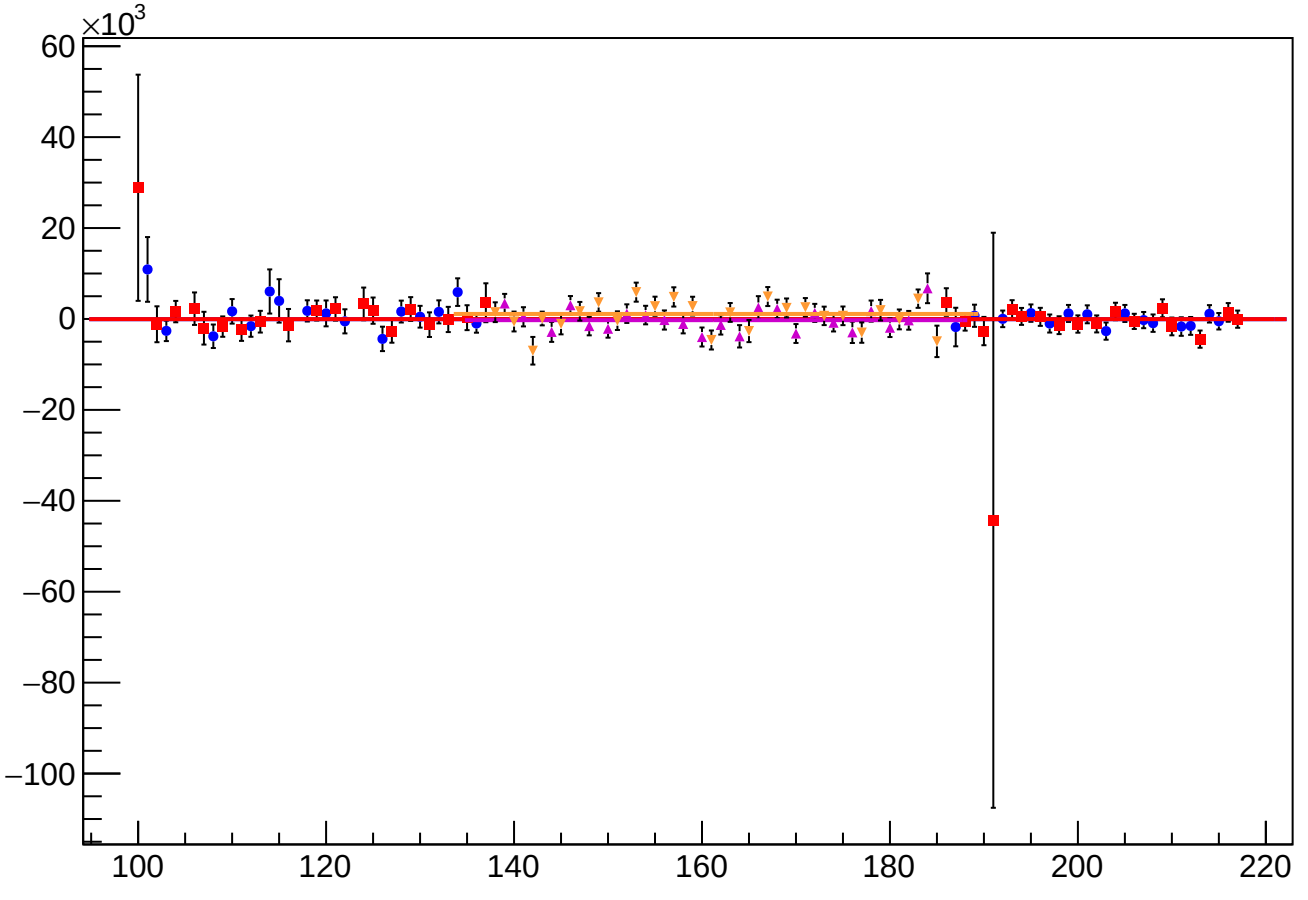
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1667.381+/-0.264 χ^2/NDF: 39182417.1/66

In: 3724.078+/-0.442 χ^2/NDF:3709096.8/53

Out: 1026.399+/-0.200 χ^2/NDF:52648722.0/60

All: 1485.422+/-0.182 χ^2/NDF: 87331455.7/1



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: -36.849+/-396.429 χ^2/NDF: 24.0/35

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

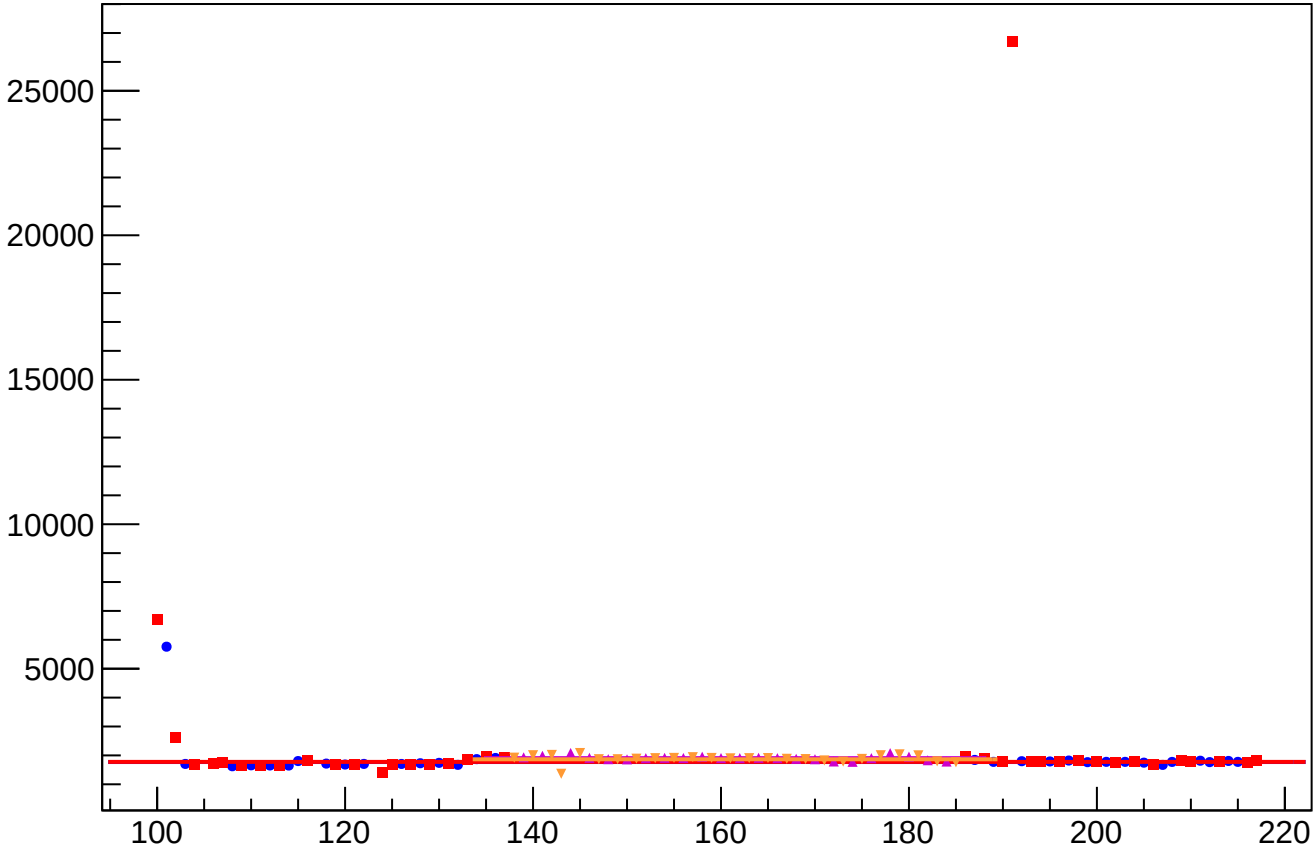
Right: -46.369+/-283.943 χ^2/NDF: 47.3/66

In: -151.125+/-300.393 χ^2/NDF:51.1/53

Out: 493.193+/-289.994 χ^2/NDF:72.6/60

All: 182.380+/-208.636 χ^2/NDF: 126.1/114

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: 1775.179+/-0.280 χ^2/NDF: 570707.3/35

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

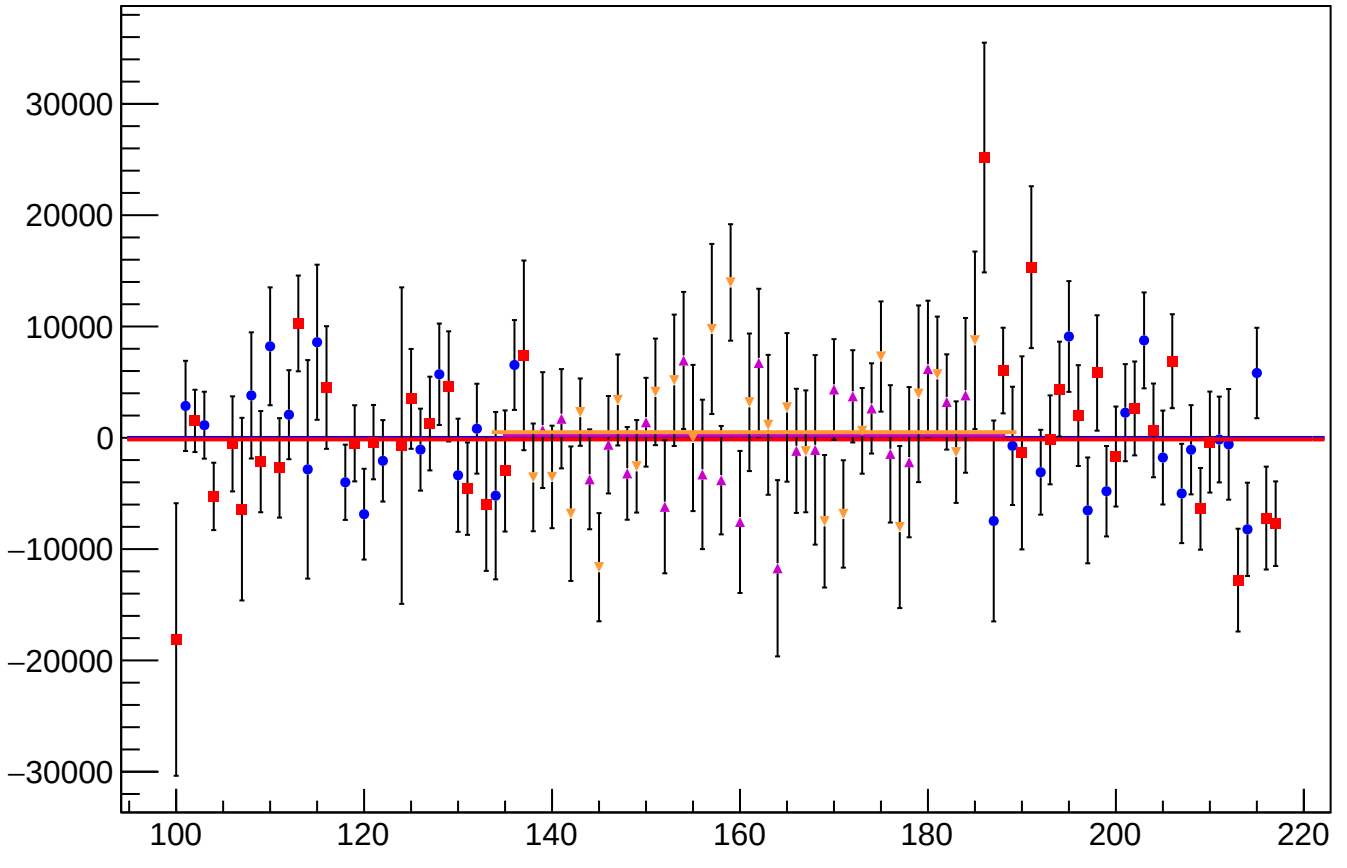
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1772.975+/-0.201 χ^2/NDF: 1249736.3/66

In: 1832.059+/-0.212 χ^2/NDF:831817.0/53

Out: 1816.814+/-0.205 χ^2/NDF:913028.0/60

All: 1824.164+/-0.147 χ^2/NDF: 1747512.5/11



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: -143.666+/-750.406 χ^2/NDF: 53.8/35

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

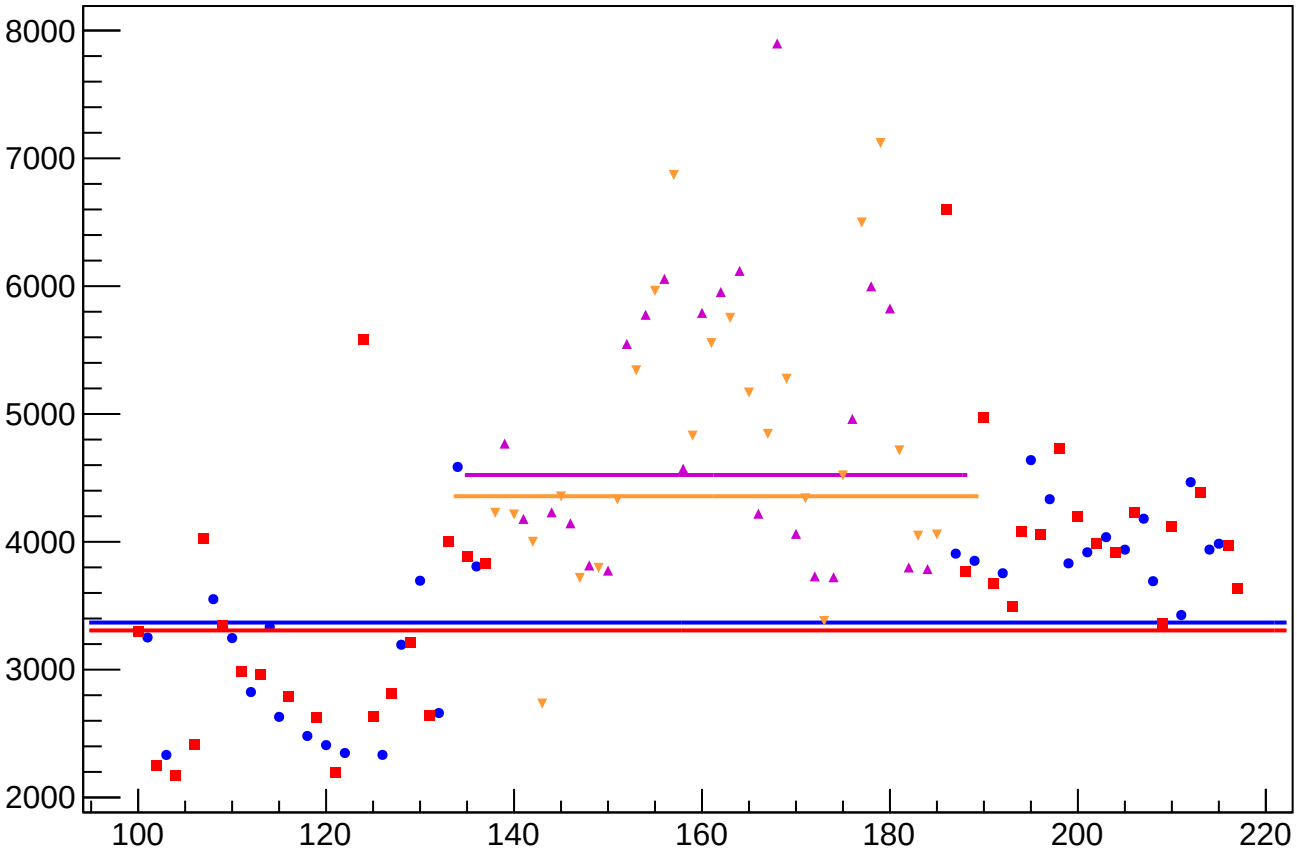
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: -81.583+/-542.897 χ^2/NDF: 88.8/66

In: 81.534+/-636.013 χ^2/NDF:48.6/53

Out: 83.382+/-604.800 χ^2/NDF:84.1/60

All: 82.504+/-438.278 χ^2/NDF: 132.7/114



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: 3306.927+/-0.531 χ^2/NDF: 2331322.5/35

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

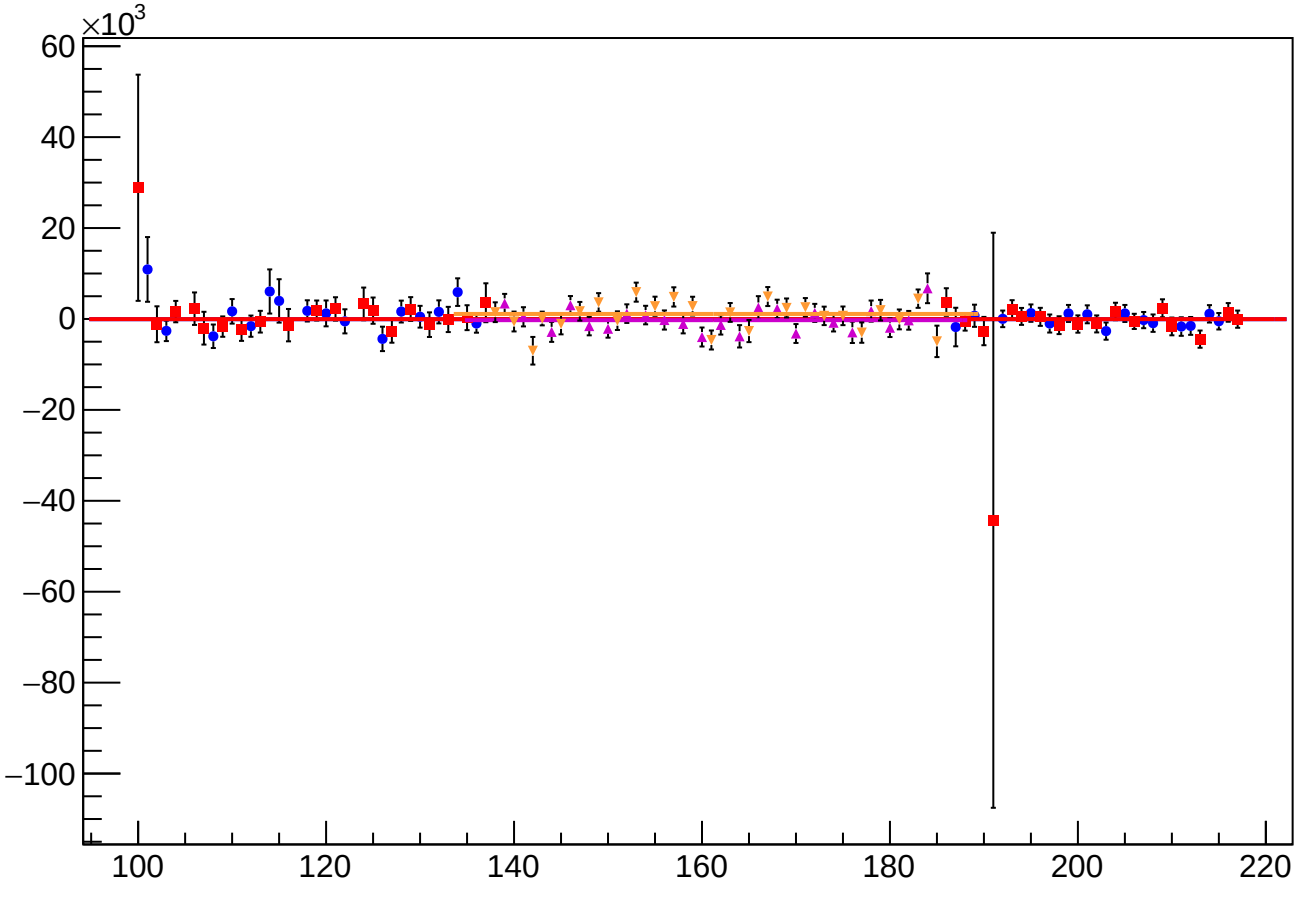
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3336.278+/-0.384 χ^2/NDF: 4009660.3/66

In: 3767.784+/-0.450 χ^2/NDF:4596362.9/53

Out: 3674.770+/-0.428 χ^2/NDF:5615070.7/60

All: 3718.939+/-0.310 χ^2/NDF: 10233896.2/1



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: -36.849+/-396.429 χ^2/NDF: 24.0/35

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

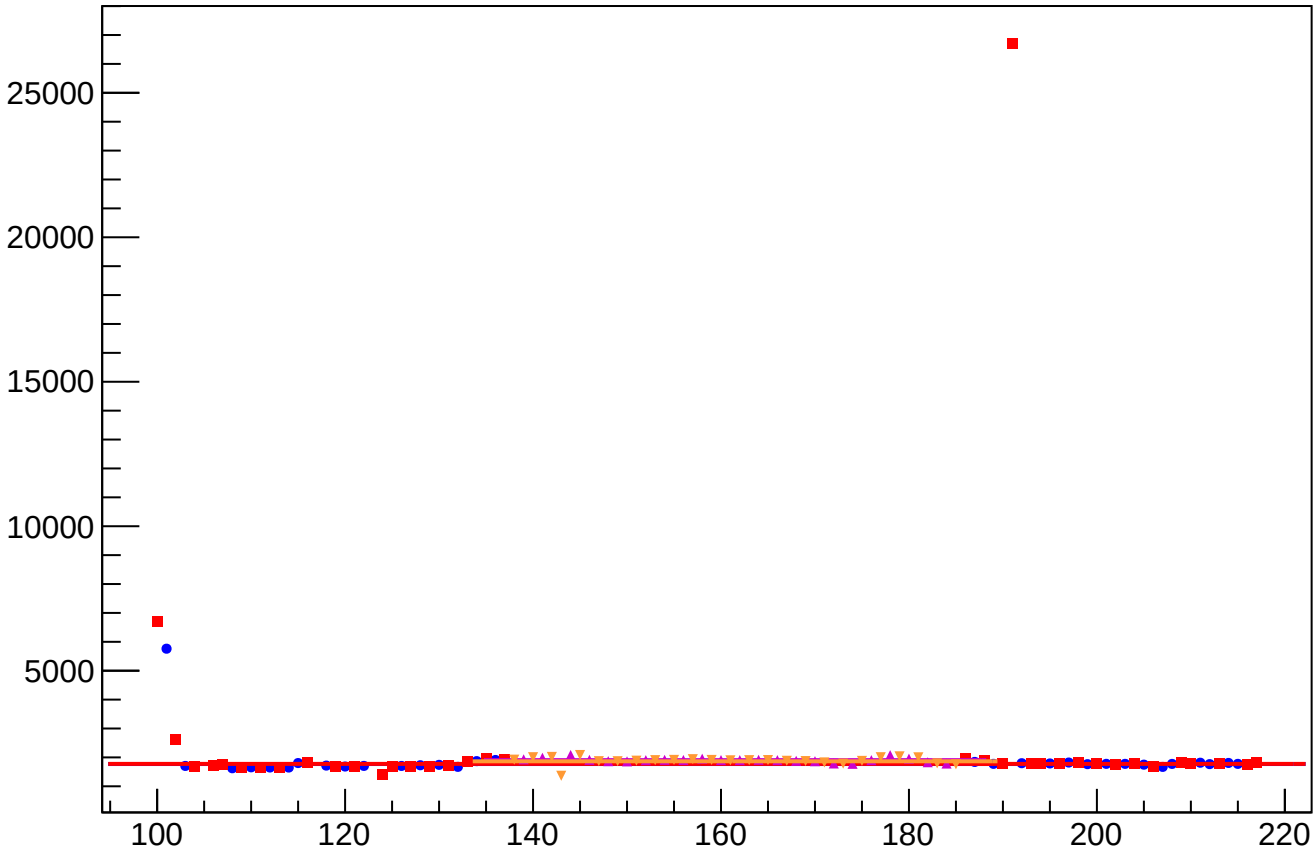
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -46.369+/-283.943 χ^2/NDF: 47.3/66

In: -151.126+/-300.393 χ^2/NDF:51.1/53

Out: 493.194+/-289.994 χ^2/NDF:72.6/60

All: 182.380+/-208.636 χ^2/NDF: 126.1/114



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: 1775.179+/-0.280 χ^2/NDF: 570707.3/35

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

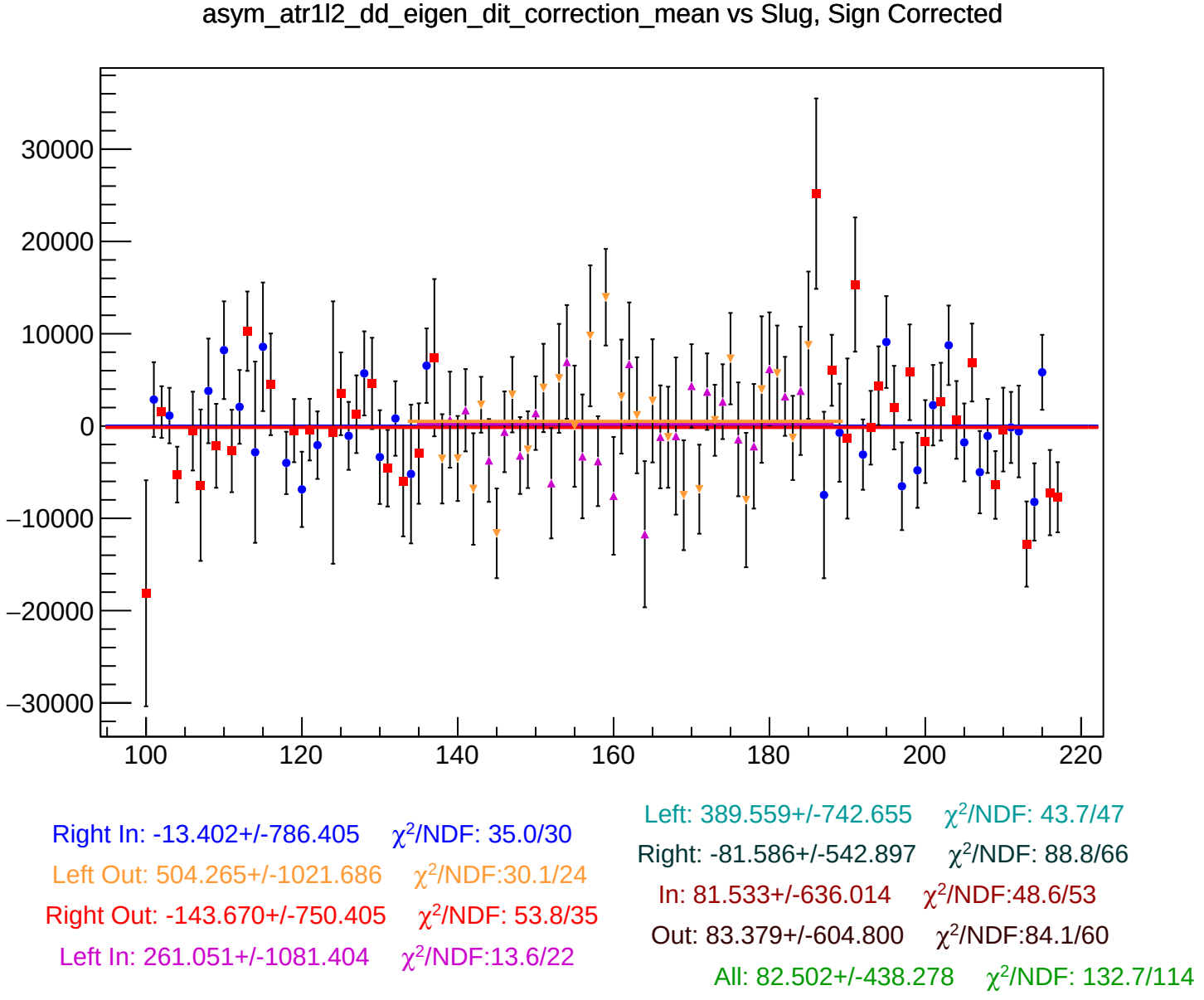
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

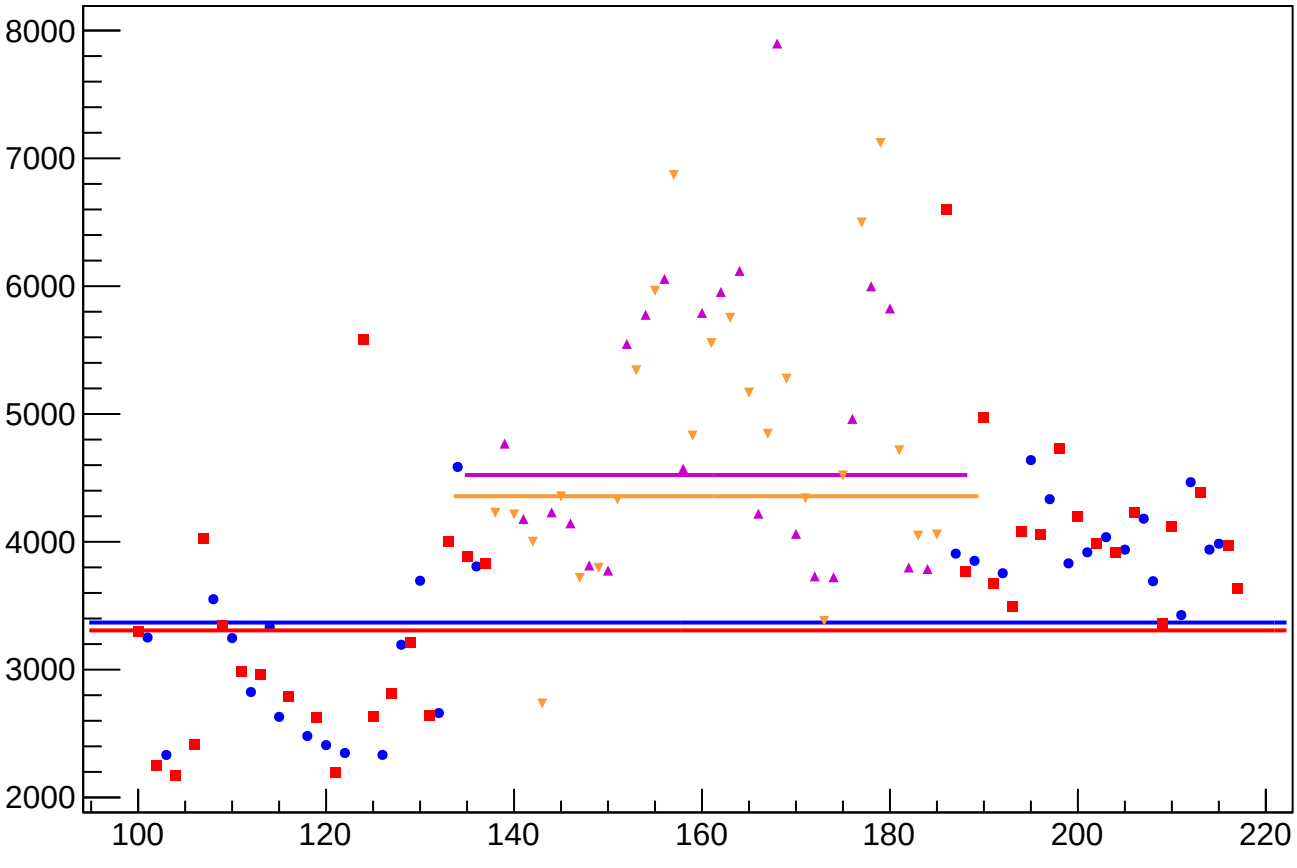
Right: 1772.976+/-0.201 χ^2/NDF: 1249736.3/66

In: 1832.059+/-0.212 χ^2/NDF:831820.7/53

Out: 1816.815+/-0.205 χ^2/NDF:913032.3/60

All: 1824.164+/-0.147 χ^2/NDF: 1747520.5/11


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: -13.402+/-786.405 χ²/NDF: 35.0/30
Left Out: 504.265+/-1021.686 χ²/NDF:30.1/24
Right Out: -143.670+/-750.405 χ²/NDF: 53.8/35
Left In: 261.051+/-1081.404 χ²/NDF:13.6/22
Left: 389.559+/-742.655 χ²/NDF: 43.7/47
Right: -81.586+/-542.897 χ²/NDF: 88.8/66
In: 81.533+/-636.014 χ²/NDF:48.6/53
Out: 83.379+/-604.800 χ²/NDF:84.1/60
All: 82.502+/-438.278 χ²/NDF: 132.7/114



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: 3306.924+/-0.531 χ^2/NDF: 2331341.7/35

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

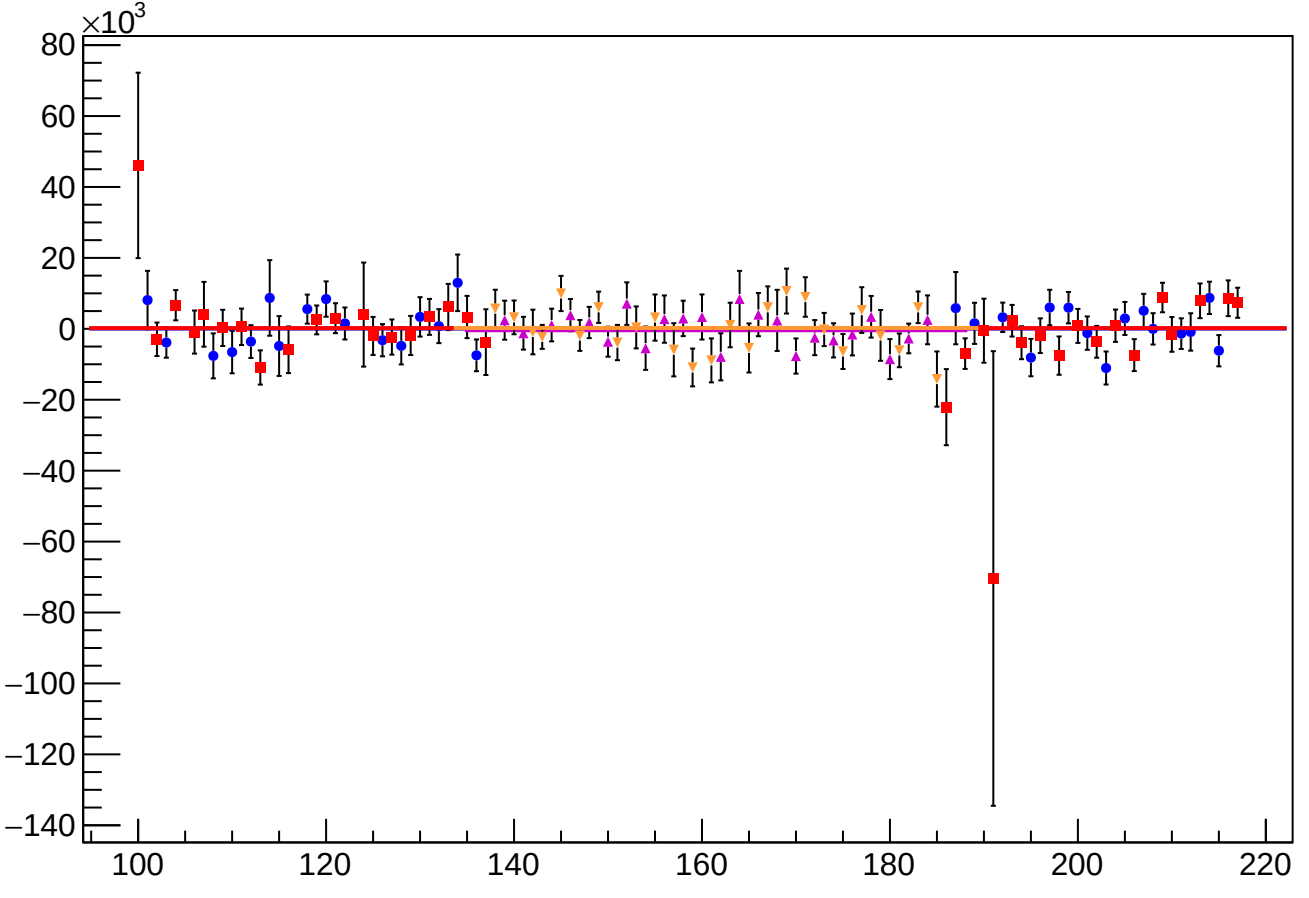
Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

Right: 3336.276+/-0.384 χ^2/NDF: 4009713.9/66

In: 3767.784+/-0.450 χ^2/NDF:4596421.4/53

Out: 3674.770+/-0.428 χ^2/NDF:5615118.2/60

All: 3718.938+/-0.310 χ^2/NDF: 10234002.6/1



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: 187.686+/-880.752 χ^2/NDF: 43.0/35

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

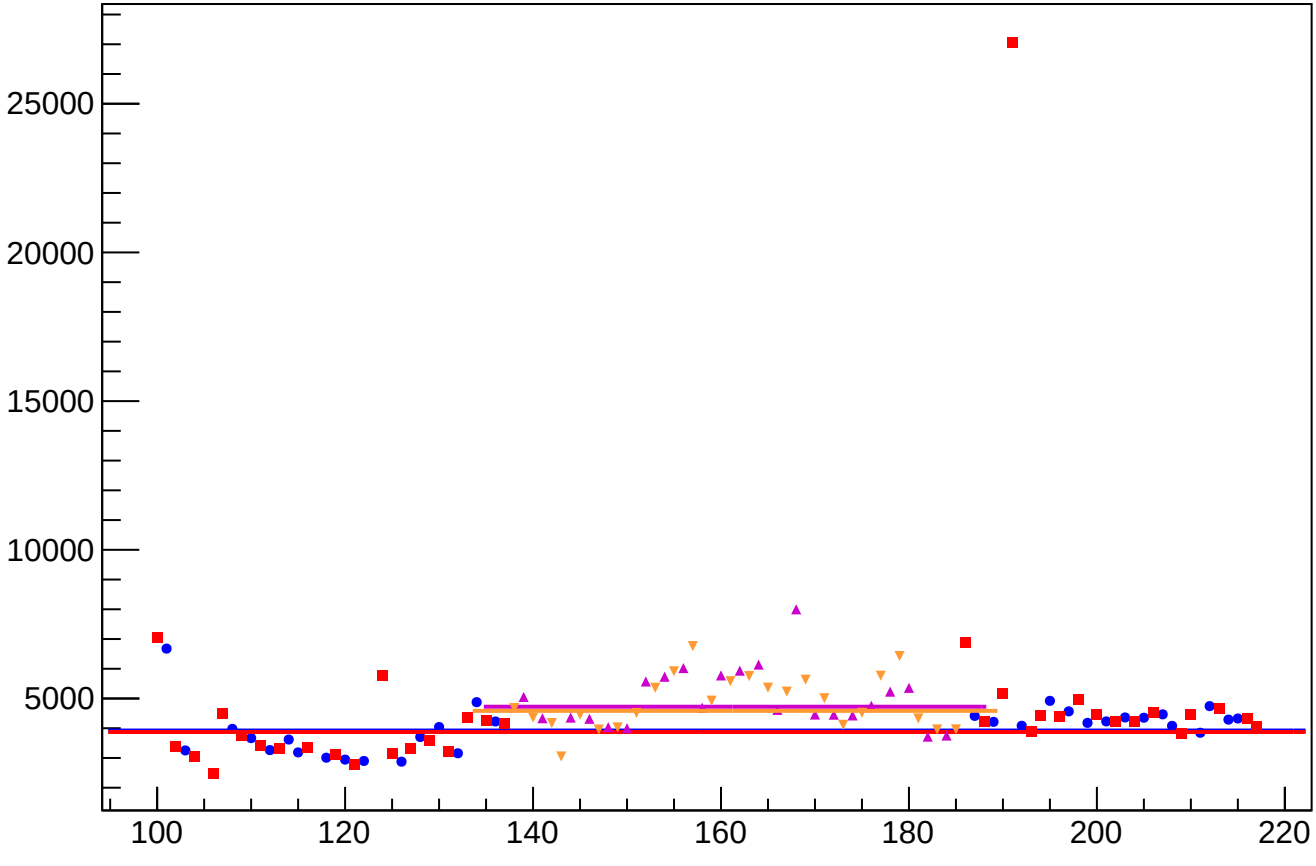
Right: 134.284+/-632.094 χ^2/NDF: 80.7/66

In: -110.646+/-705.511 χ^2/NDF:52.0/53

Out: 208.913+/-678.631 χ^2/NDF:75.2/60

All: 55.336+/-489.091 χ^2/NDF: 127.3/114

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: 3874.464+/-0.619 χ^2/NDF: 1525747.1/35

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

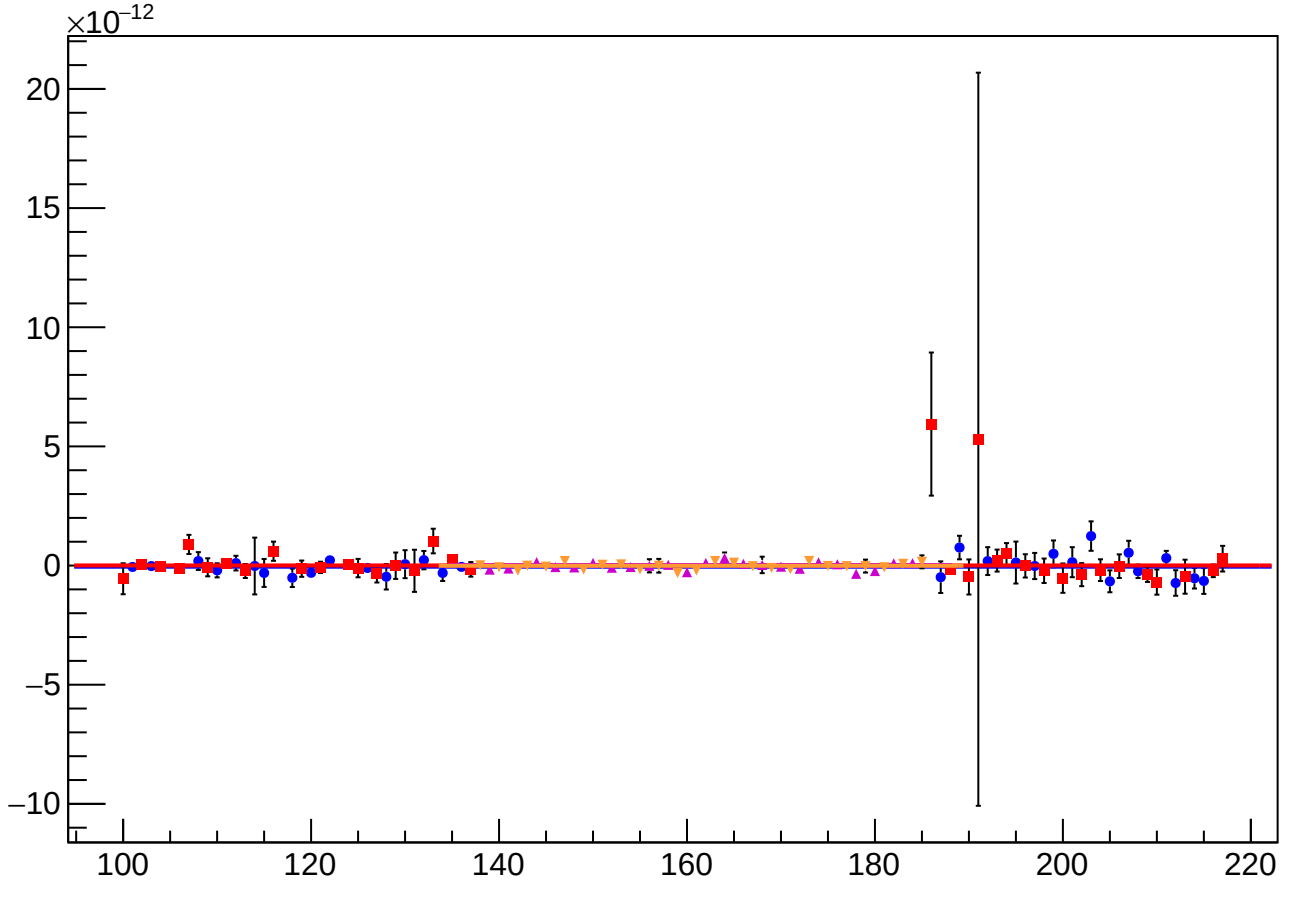
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3897.594+/-0.445 χ^2/NDF: 2616103.3/66

In: 4239.390+/-0.499 χ^2/NDF:2719878.8/53

Out: 4160.718+/-0.478 χ^2/NDF:3368731.4/60

All: 4198.369+/-0.345 χ^2/NDF: 6101577.6/11



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: 31.5/35

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

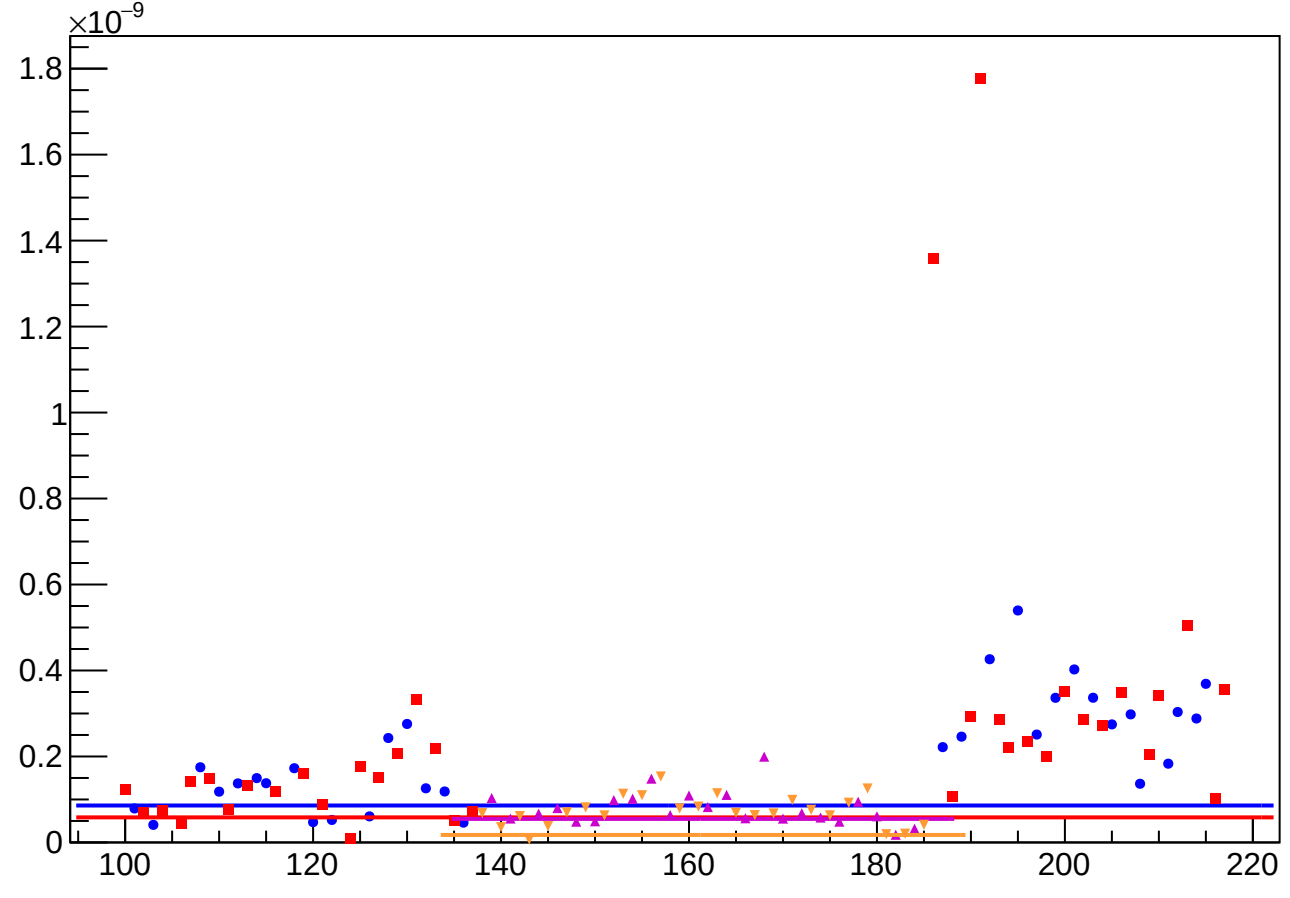
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.8/66

In: 0.000+/-0.000 χ^2/NDF:54.1/53

Out: -0.000+/-0.000 χ^2/NDF:54.4/60

All: -0.000+/-0.000 χ^2/NDF: 108.7/114



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: 10033443.4/35

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

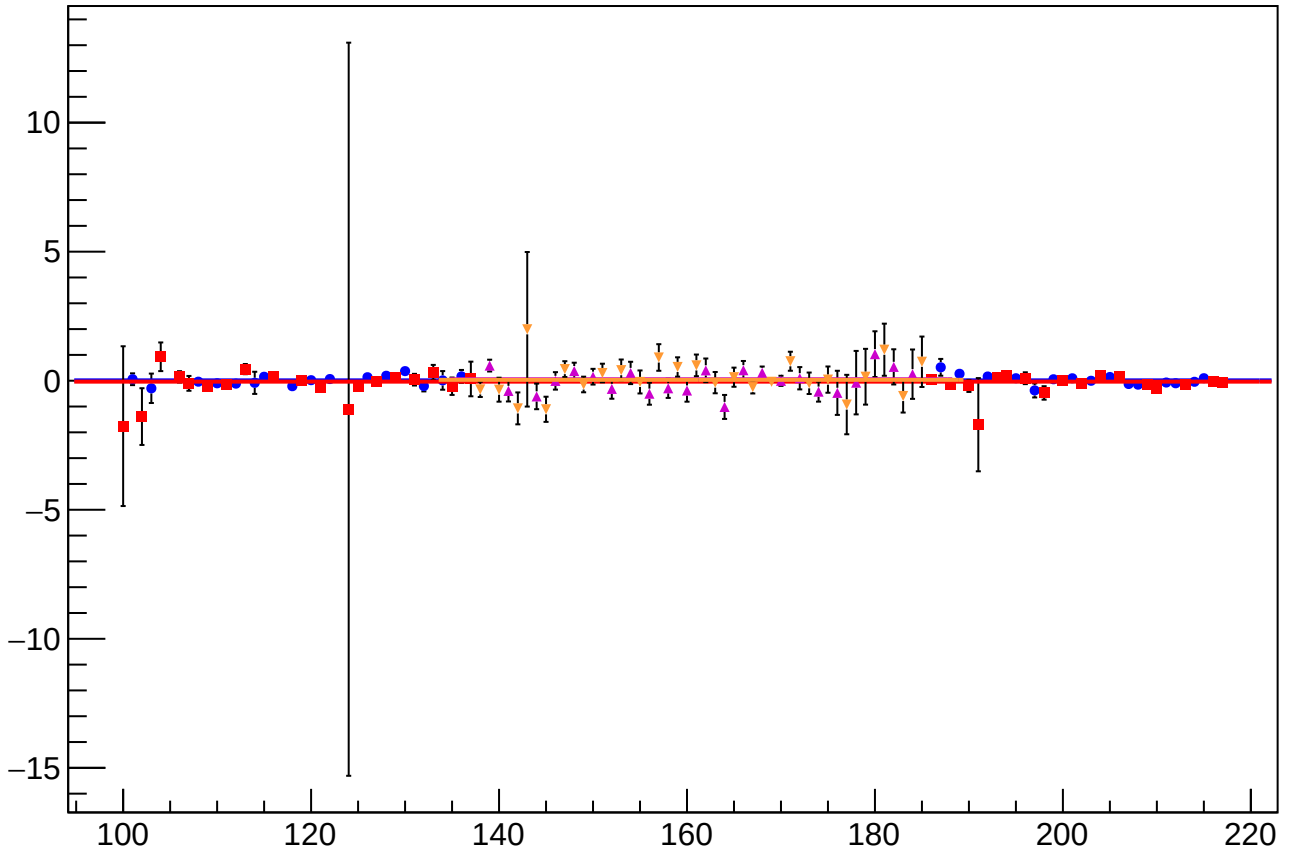
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17708561.4/66

In: 0.000+/-0.000 χ^2/NDF:10783729.5/53

Out: 0.000+/-0.000 χ^2/NDF:21530173.5/60

All: 0.000+/-0.000 χ^2/NDF: 38434490.9/114



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: -0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

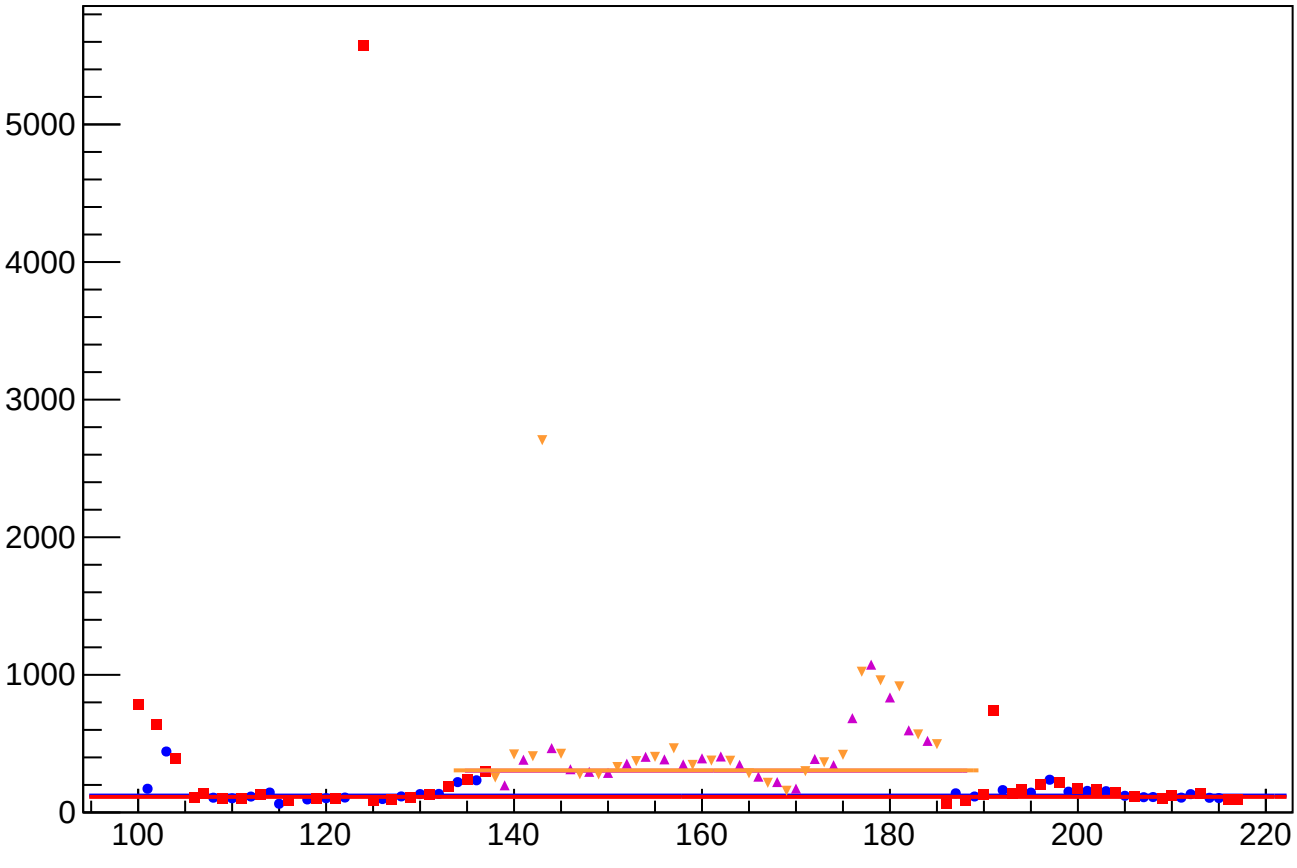
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.013+/-0.020 χ^2/NDF: 68.9/66

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.028+/-0.026 χ^2/NDF:72.6/60

All: -0.006+/-0.019 χ^2/NDF: 126.4/114



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: 113.193+/-0.020 χ^2/NDF: 4640823.2/35

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

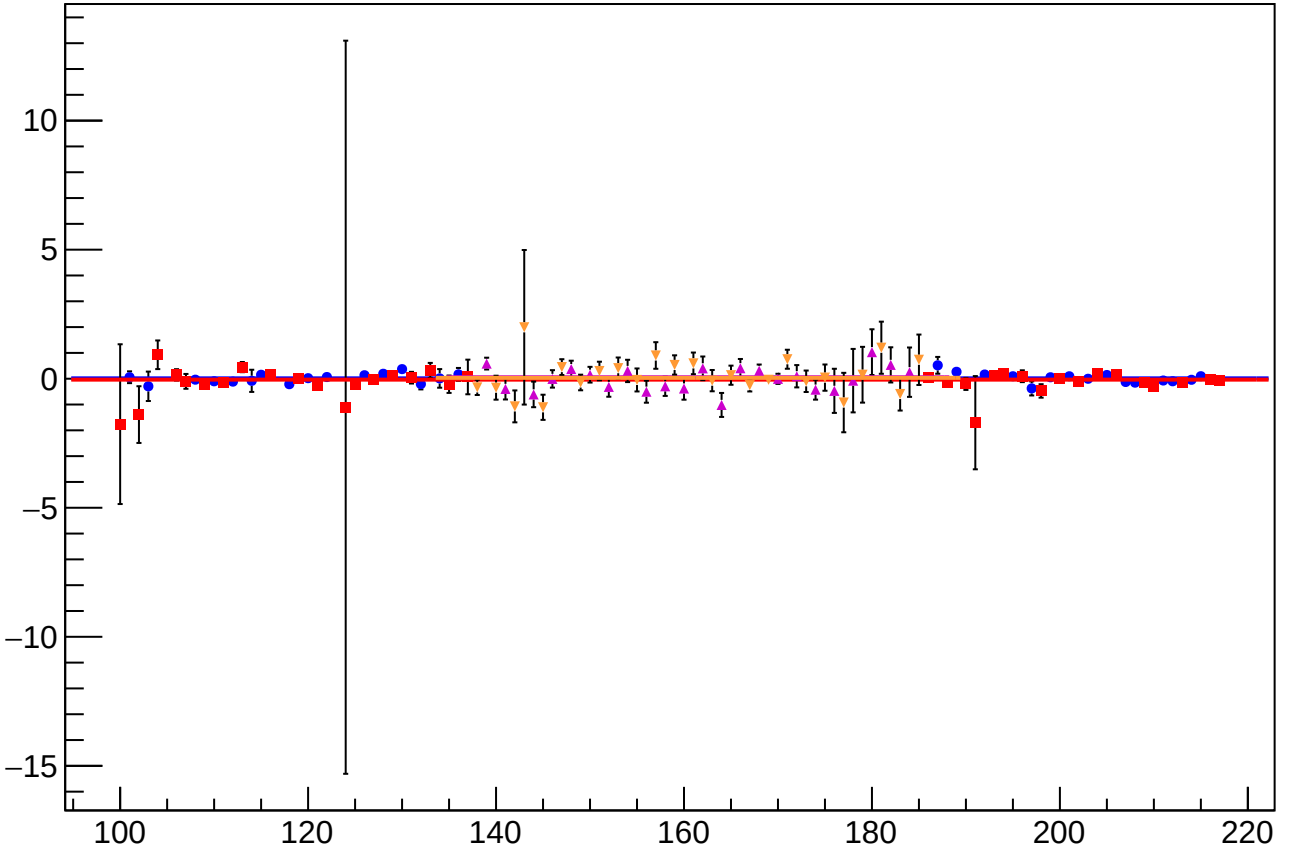
Right: 117.536+/-0.014 χ^2/NDF: 7369952.3/66

In: 145.940+/-0.020 χ^2/NDF:16950245.1/53

Out: 134.715+/-0.018 χ^2/NDF:22143647.2/60

All: 139.962+/-0.013 χ^2/NDF: 39267591.5/11

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: -0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

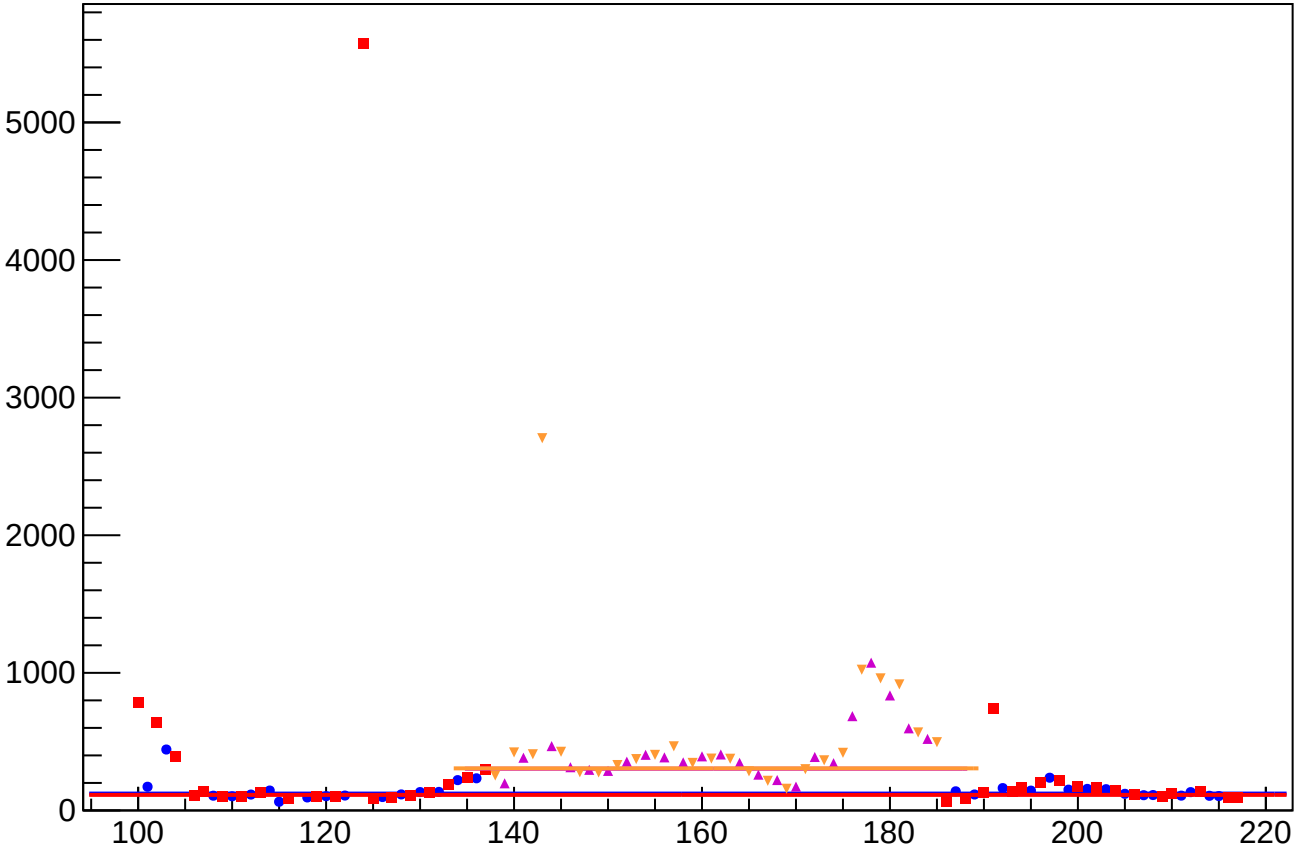
Right: -0.013+/-0.020 χ^2/NDF: 68.9/66

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.028+/-0.026 χ^2/NDF:72.6/60

All: -0.006+/-0.019 χ^2/NDF: 126.4/114

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: 113.193+/-0.020 χ^2/NDF: 4640823.2/35

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

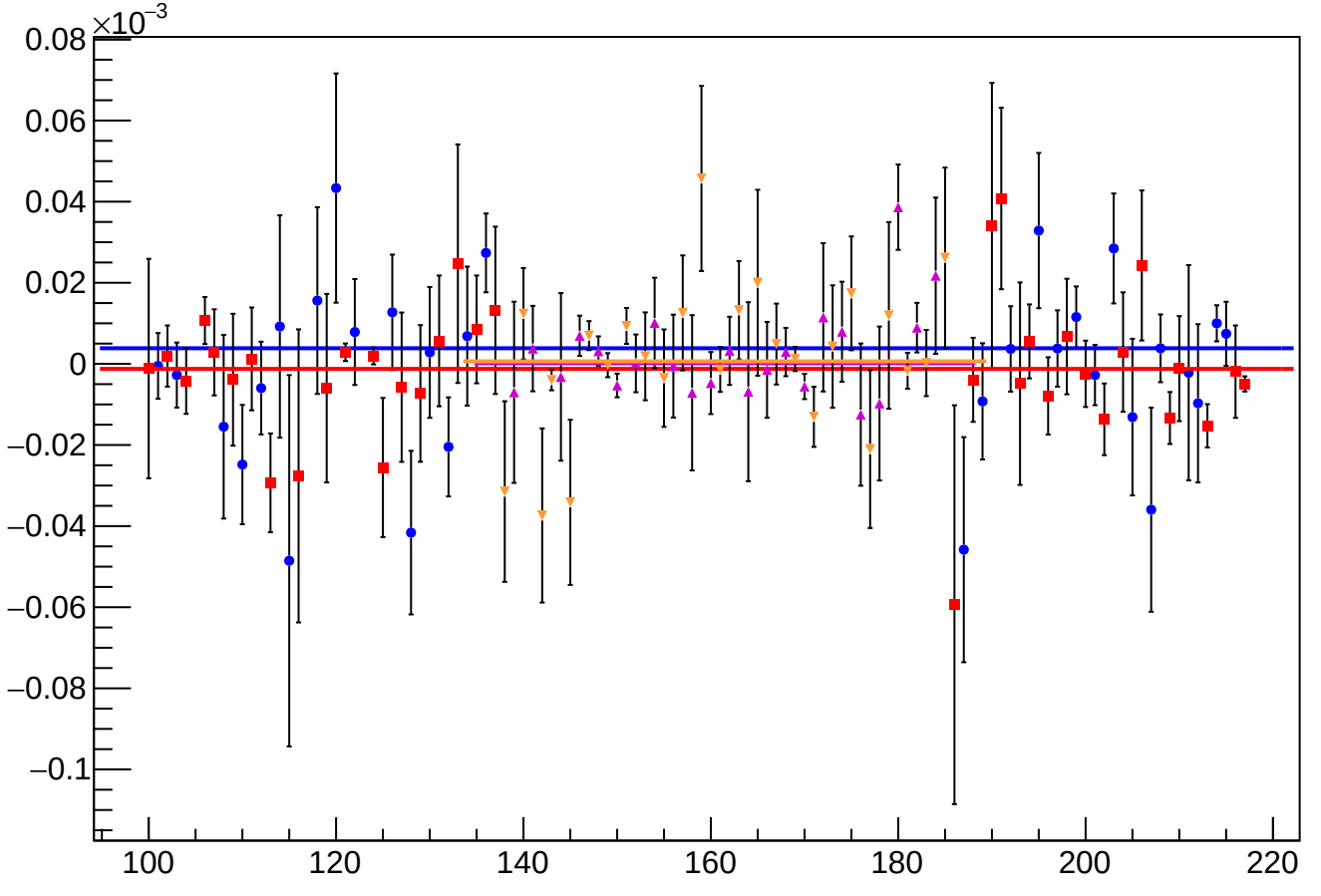
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 117.536+/-0.014 χ^2/NDF: 7369952.3/66

In: 145.940+/-0.020 χ^2/NDF:16950245.1/53

Out: 134.715+/-0.018 χ^2/NDF:22143647.2/60

All: 139.962+/-0.013 χ^2/NDF: 39267591.5/1



Right In: 0.000+/-0.000 χ^2/NDF: 42.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.5/35

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

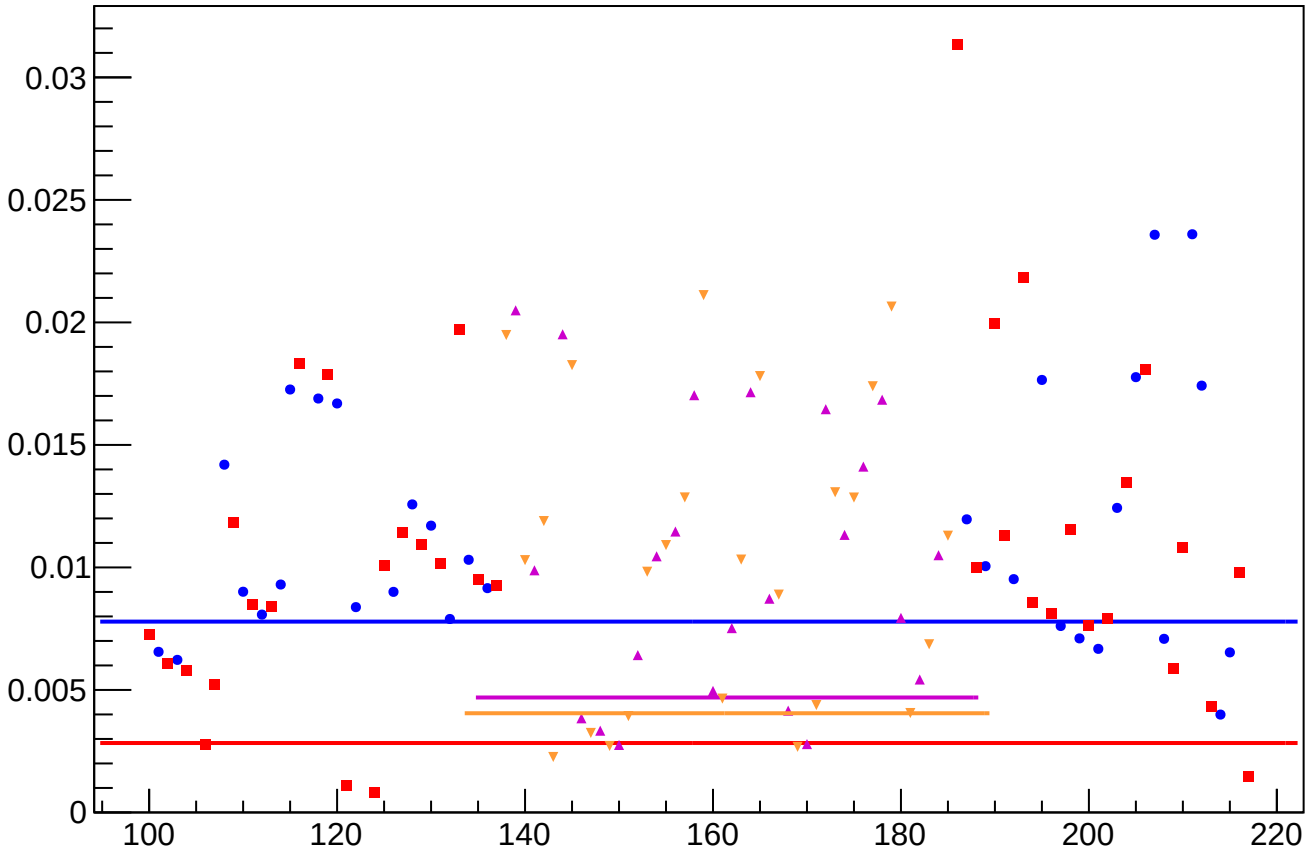
Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

Right: -0.000+/-0.000 χ^2/NDF: 94.2/66

In: 0.000+/-0.000 χ^2/NDF:74.7/53

Out: -0.000+/-0.000 χ^2/NDF:82.5/60

All: 0.000+/-0.000 χ^2/NDF: 159.0/114



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: 22207403.3/35

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

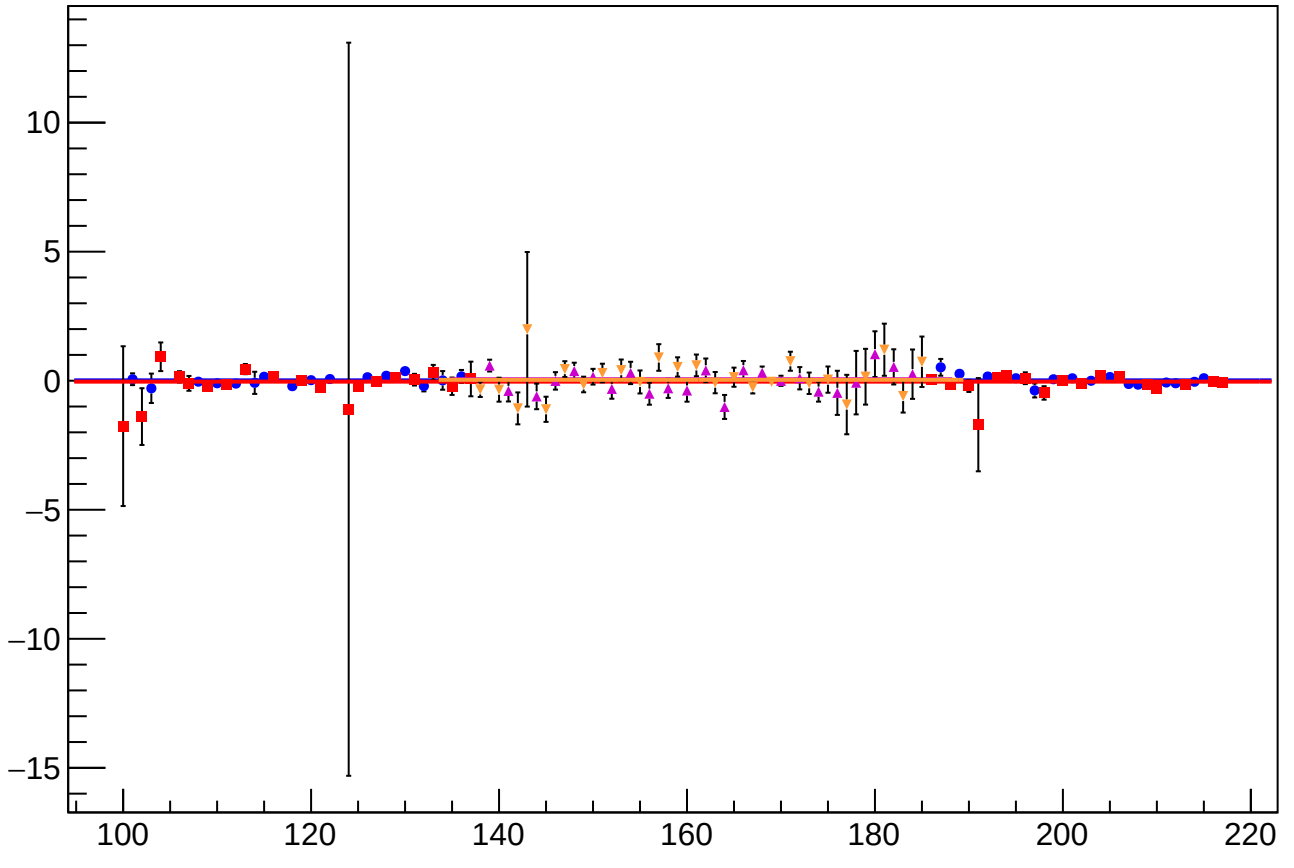
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.004+/-0.000 χ^2/NDF: 38174187.9/66

In: 0.006+/-0.000 χ^2/NDF:20299527.2/53

Out: 0.003+/-0.000 χ^2/NDF:36974617.4/60

All: 0.004+/-0.000 χ^2/NDF: 63134343.2/114



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: -0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

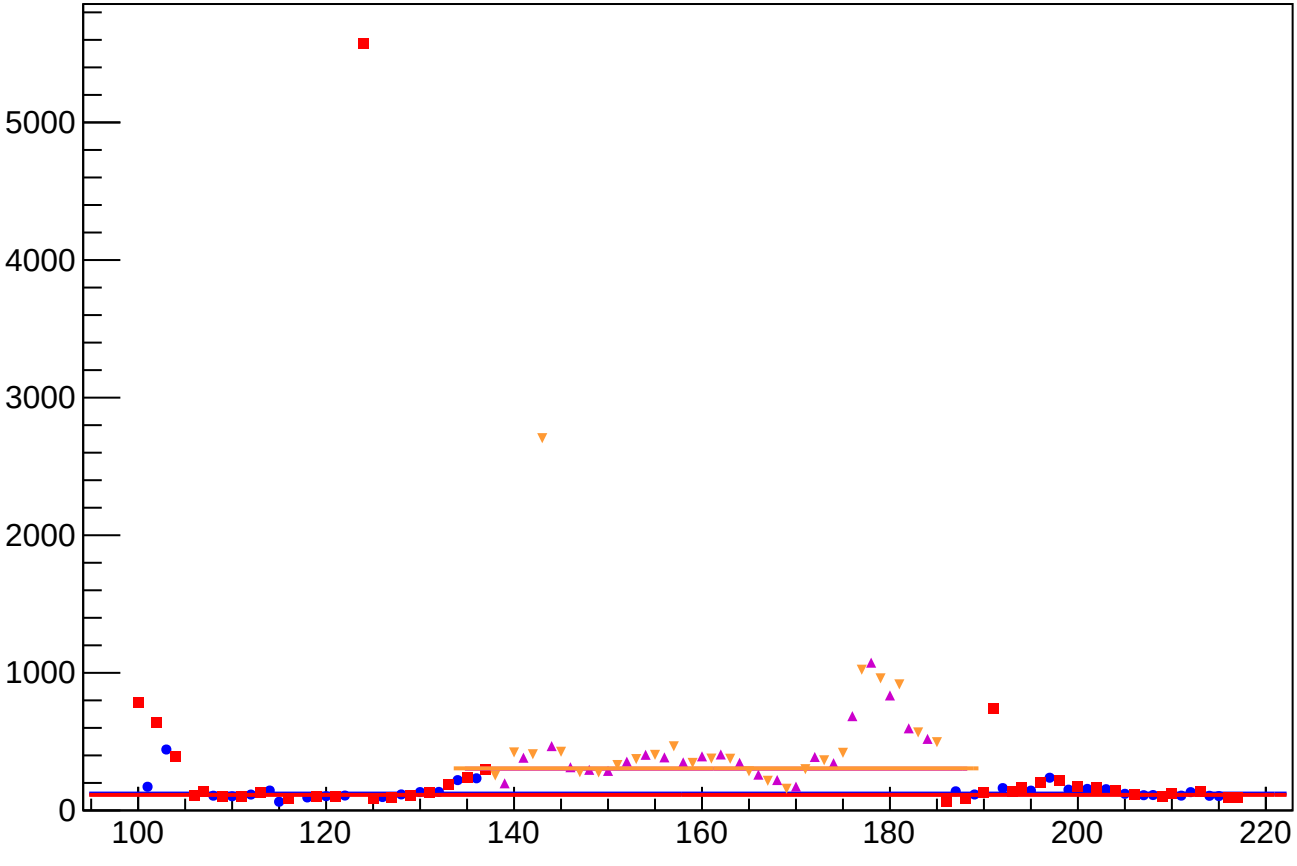
Right: -0.013+/-0.020 χ^2/NDF: 68.9/66

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.028+/-0.026 χ^2/NDF:72.6/60

All: -0.006+/-0.019 χ^2/NDF: 126.4/114

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: 113.194+/-0.020 χ^2/NDF: 4640683.6/35

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

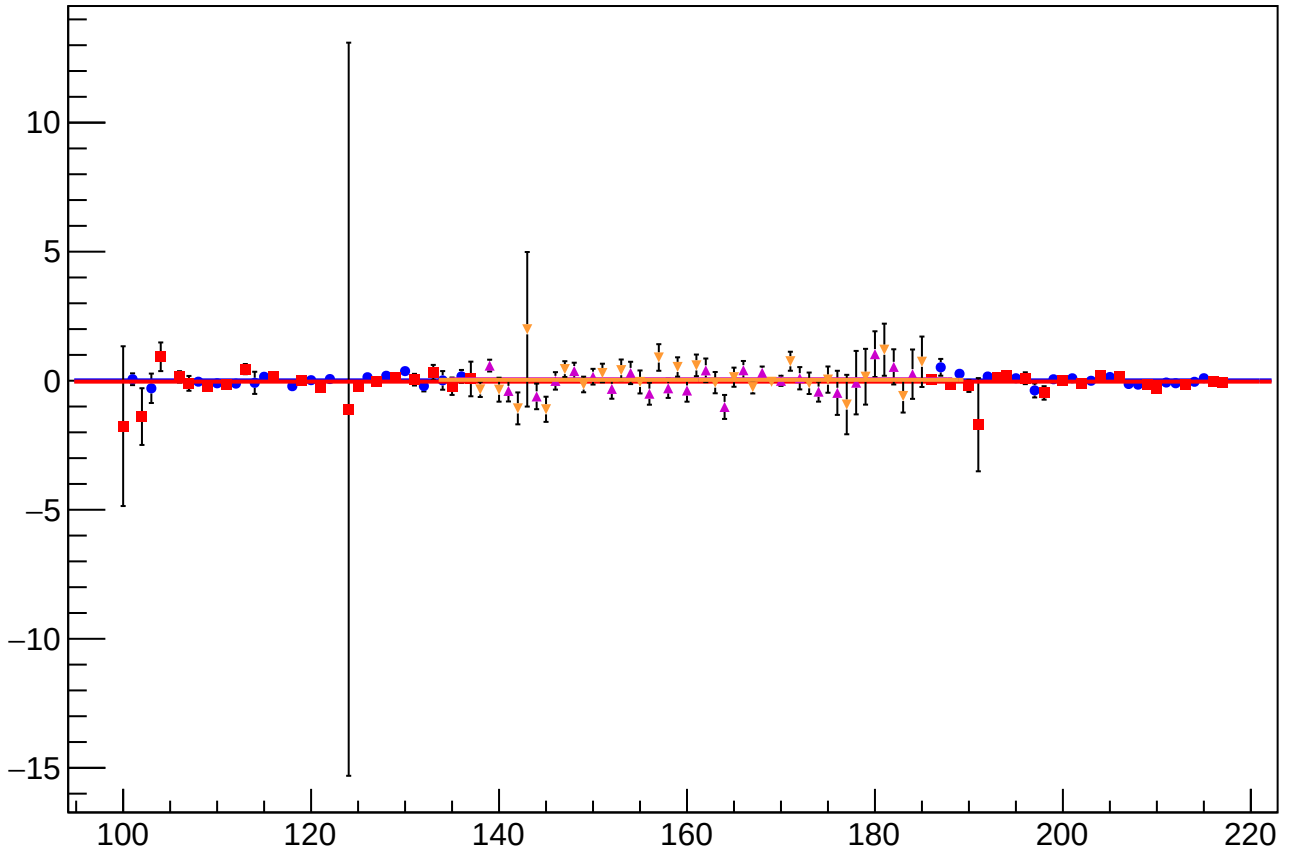
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 117.537+/-0.014 χ^2/NDF: 7369789.6/66

In: 145.941+/-0.020 χ^2/NDF:16950223.1/53

Out: 134.716+/-0.018 χ^2/NDF:22143538.4/60

All: 139.963+/-0.013 χ^2/NDF: 39267469.8/1



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: -0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

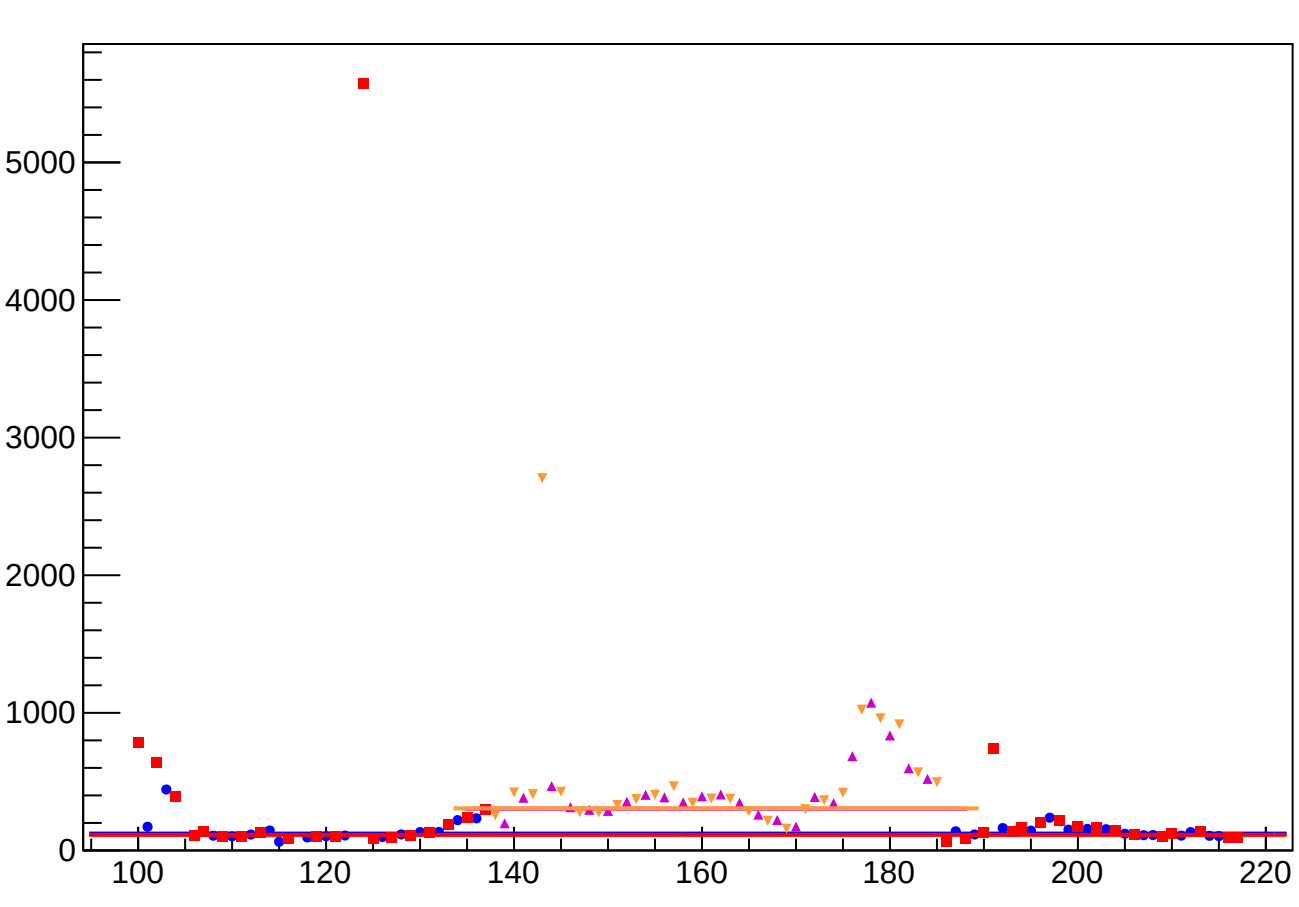
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.013+/-0.020 χ^2/NDF: 68.9/66

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.028+/-0.026 χ^2/NDF:72.6/60

All: -0.006+/-0.019 χ^2/NDF: 126.4/114



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: 113.194+/-0.020 χ^2/NDF: 4640683.6/35

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

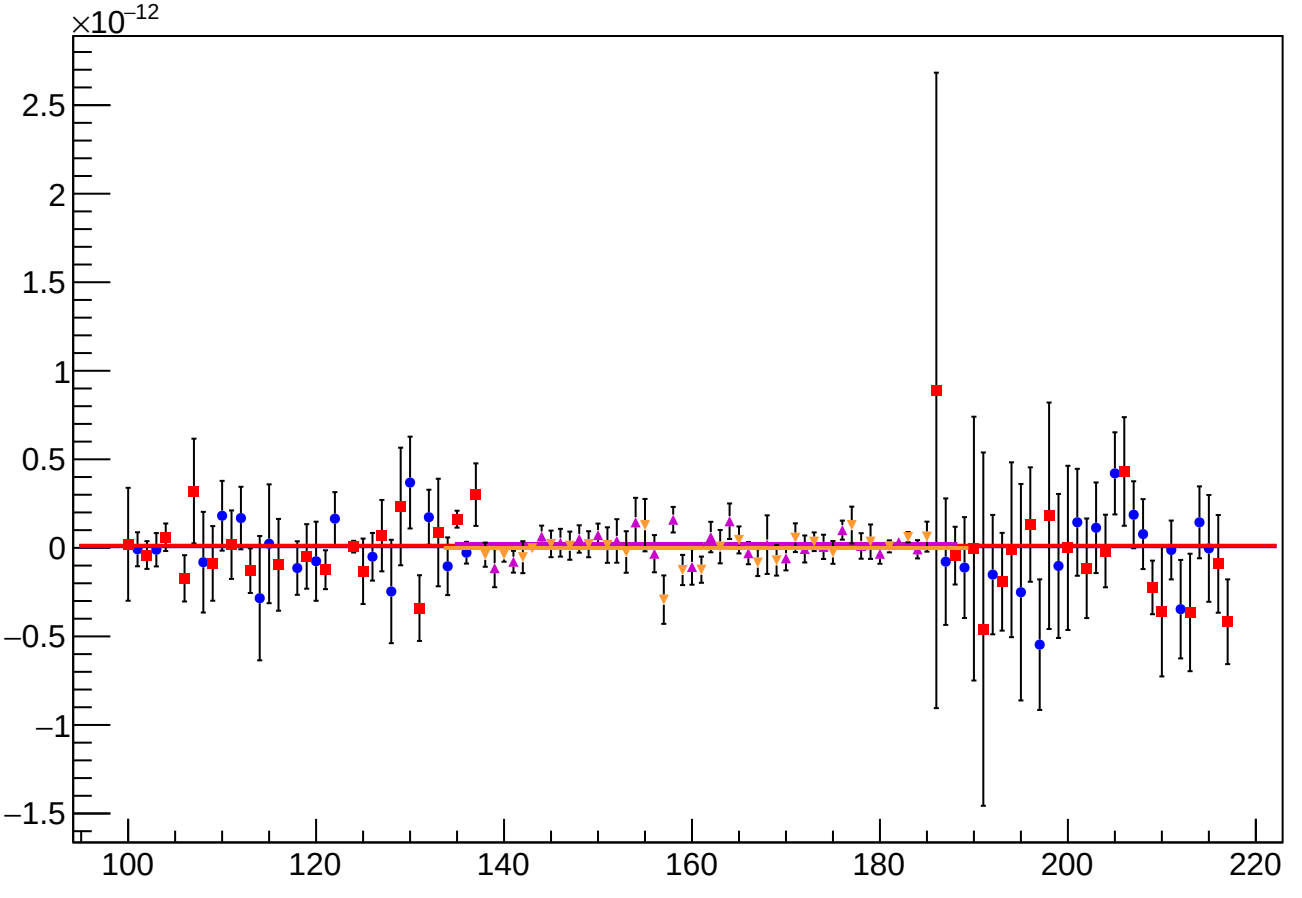
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 117.537+/-0.014 χ^2/NDF: 7369789.6/66

In: 145.941+/-0.020 χ^2/NDF:16950223.1/53

Out: 134.716+/-0.018 χ^2/NDF:22143538.4/60

All: 139.963+/-0.013 χ^2/NDF: 39267469.8/1



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/35

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

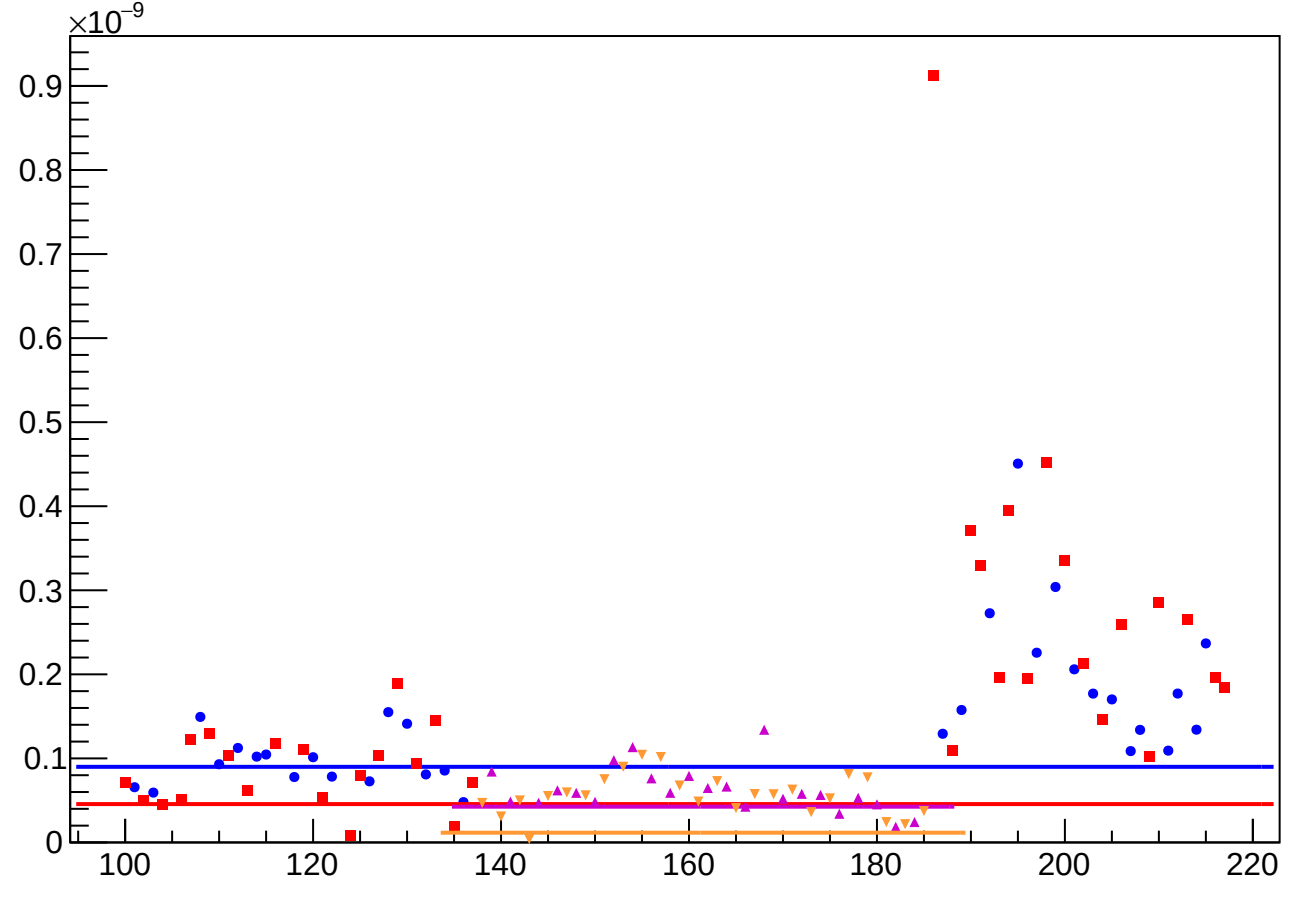
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 54.9/66

In: 0.000+/-0.000 χ^2/NDF:38.4/53

Out: 0.000+/-0.000 χ^2/NDF:58.5/60

All: 0.000+/-0.000 χ^2/NDF: 99.1/114



Right In: 0.000+/-0.000 χ^2/NDF: 5573663.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15584765.6/35

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

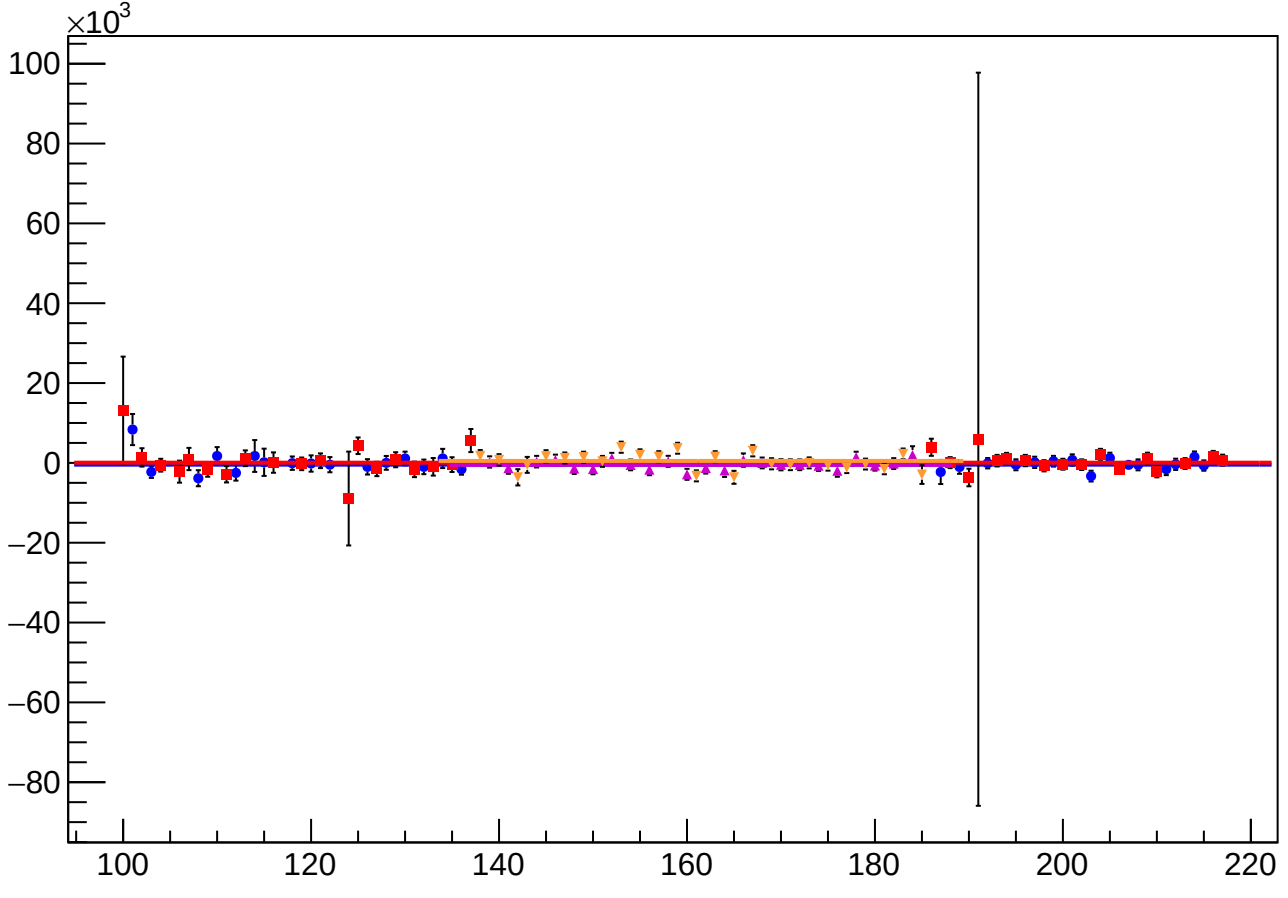
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 24049298.0/66

In: 0.000+/-0.000 χ^2/NDF:15049215.0/53

Out: 0.000+/-0.000 χ^2/NDF:38481511.3/60

All: 0.000+/-0.000 χ^2/NDF: 67832043.4/114



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: 49.443+/-288.010 χ^2/NDF: 32.5/35

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

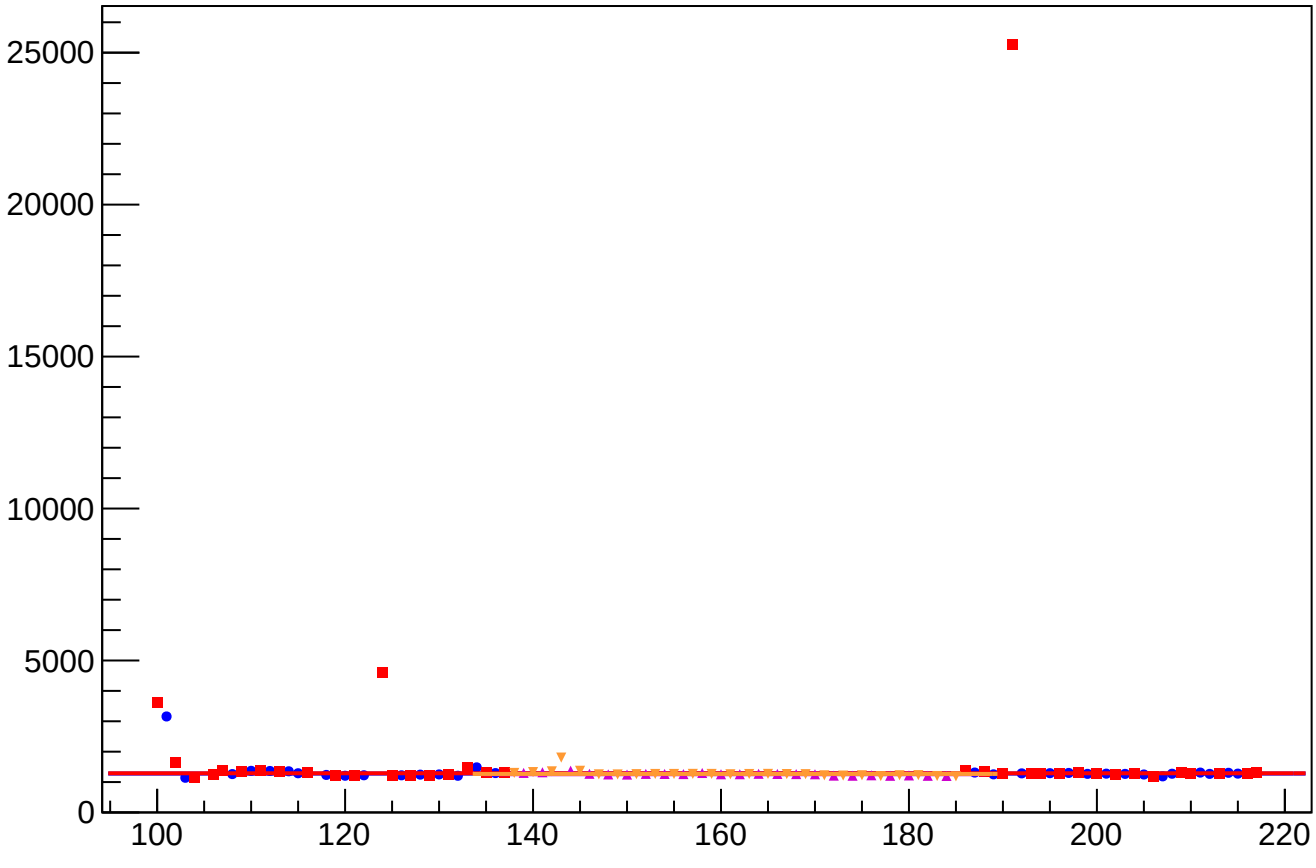
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -190.187+/-205.477 χ^2/NDF: 58.3/66

In: -462.664+/-207.538 χ^2/NDF:38.9/53

Out: 270.380+/-203.825 χ^2/NDF:80.5/60

All: -89.526+/-145.421 χ^2/NDF: 125.8/114



Right In: 1278.671+/-0.207 χ^2/NDF: 530240.2/30

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

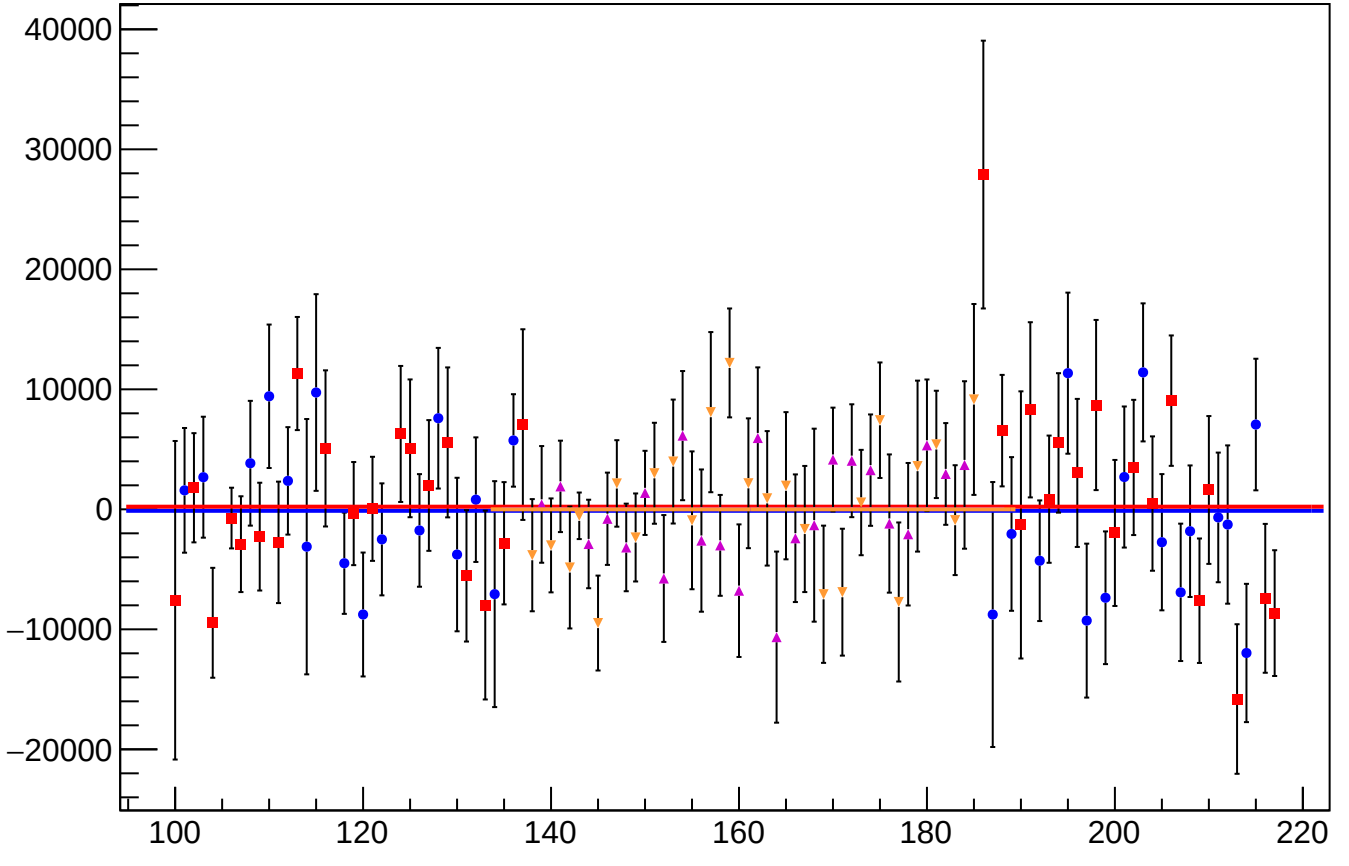
Right: 1284.007+/-0.145 χ^2/NDF: 1014865.1/66

In: 1268.130+/-0.147 χ^2/NDF:572234.4/53

Out: 1278.086+/-0.144 χ^2/NDF:676795.6/60

All: 1273.200+/-0.103 χ^2/NDF: 1251373.5/11

asym_atl_dd_atr_dd_avg_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: 219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

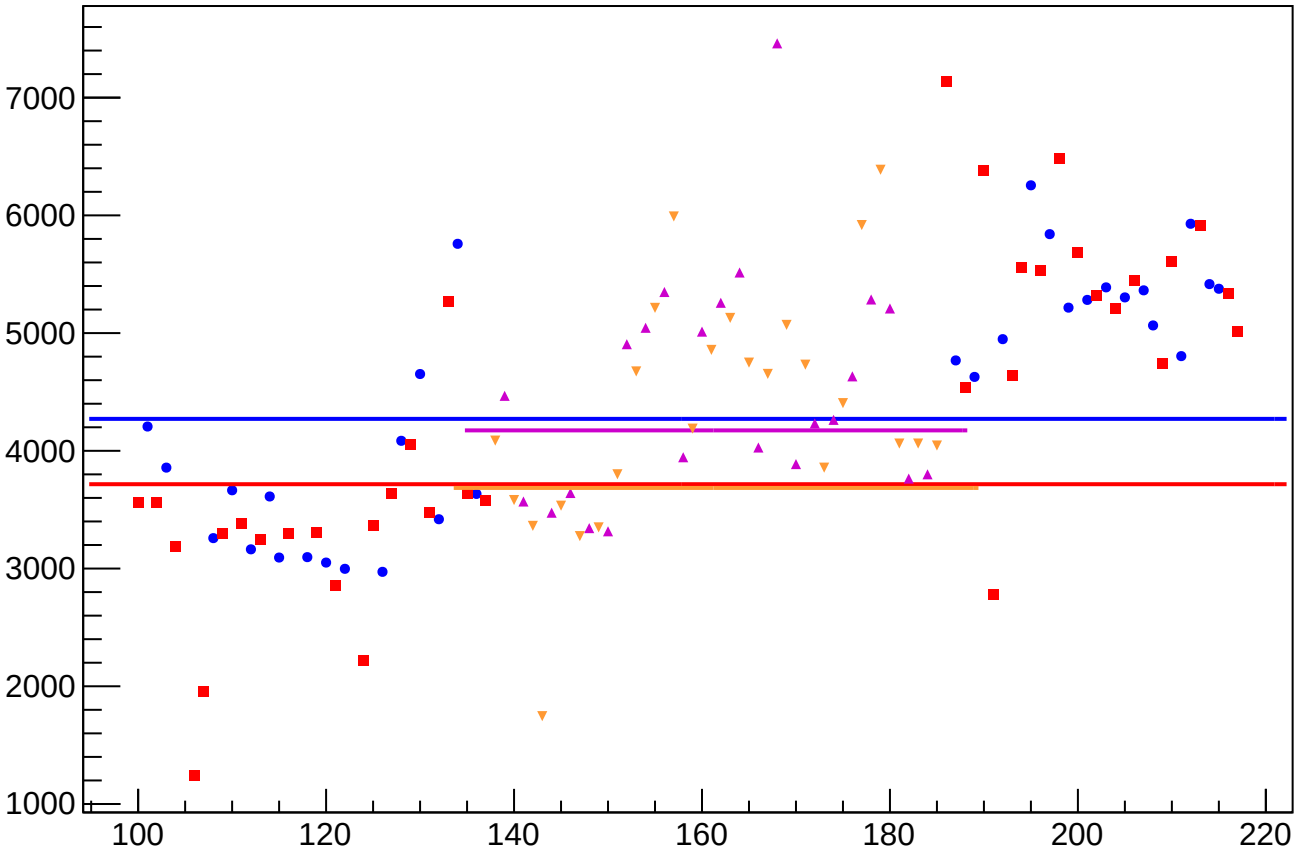
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 69.523+/-663.137 χ^2/NDF: 81.3/66

In: -45.196+/-706.269 χ^2/NDF:48.7/53

Out: 109.686+/-626.086 χ^2/NDF:75.7/60

All: 41.532+/-468.505 χ^2/NDF: 124.4/114



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: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

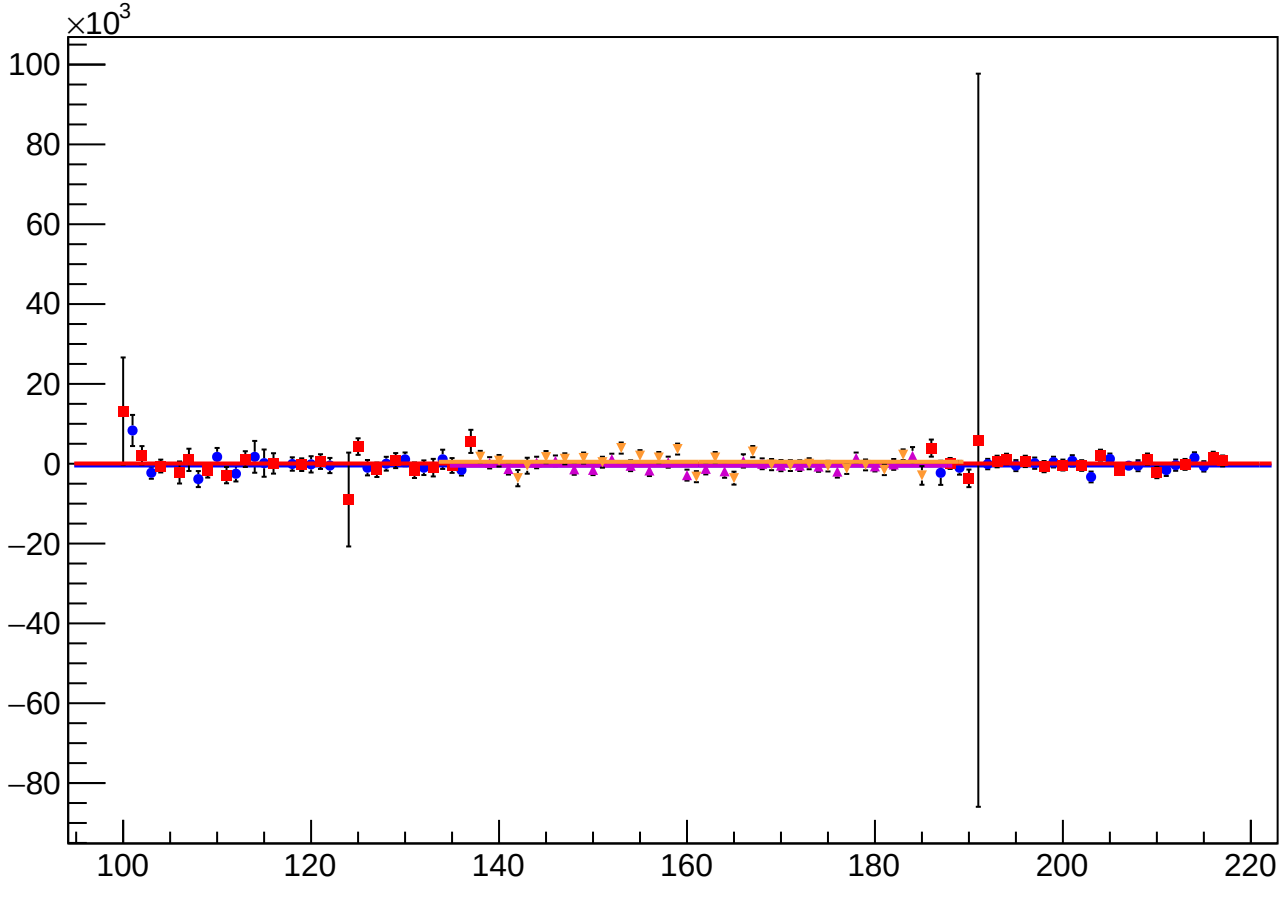
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3959.376+/-0.469 χ^2/NDF: 7734764.4/66

In: 4222.153+/-0.499 χ^2/NDF:3323855.6/53

Out: 3700.647+/-0.443 χ^2/NDF:9045633.0/60

All: 3930.129+/-0.331 χ^2/NDF: 12980106.0/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

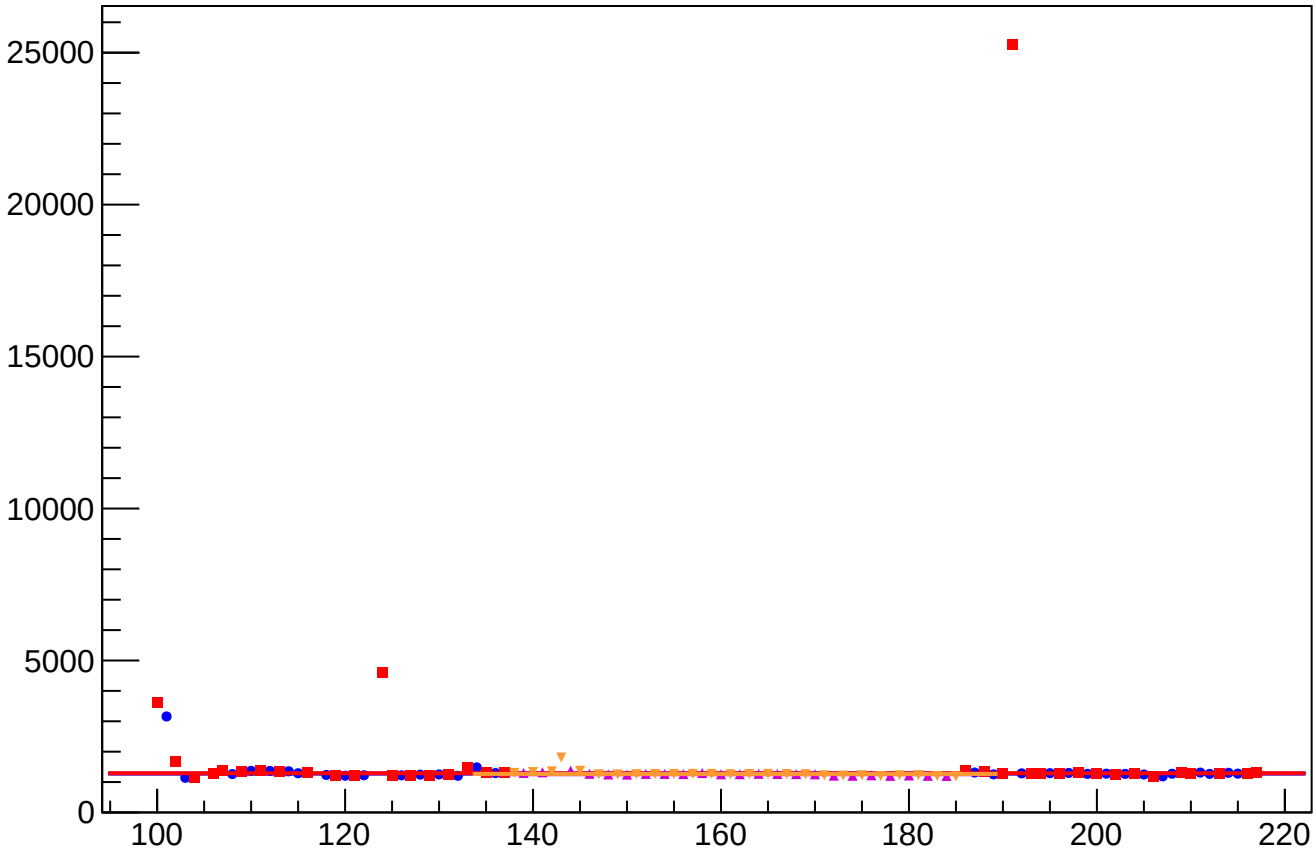
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -185.134+/-205.502 χ^2/NDF: 58.8/66

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -86.955+/-145.430 χ^2/NDF: 126.2/114



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

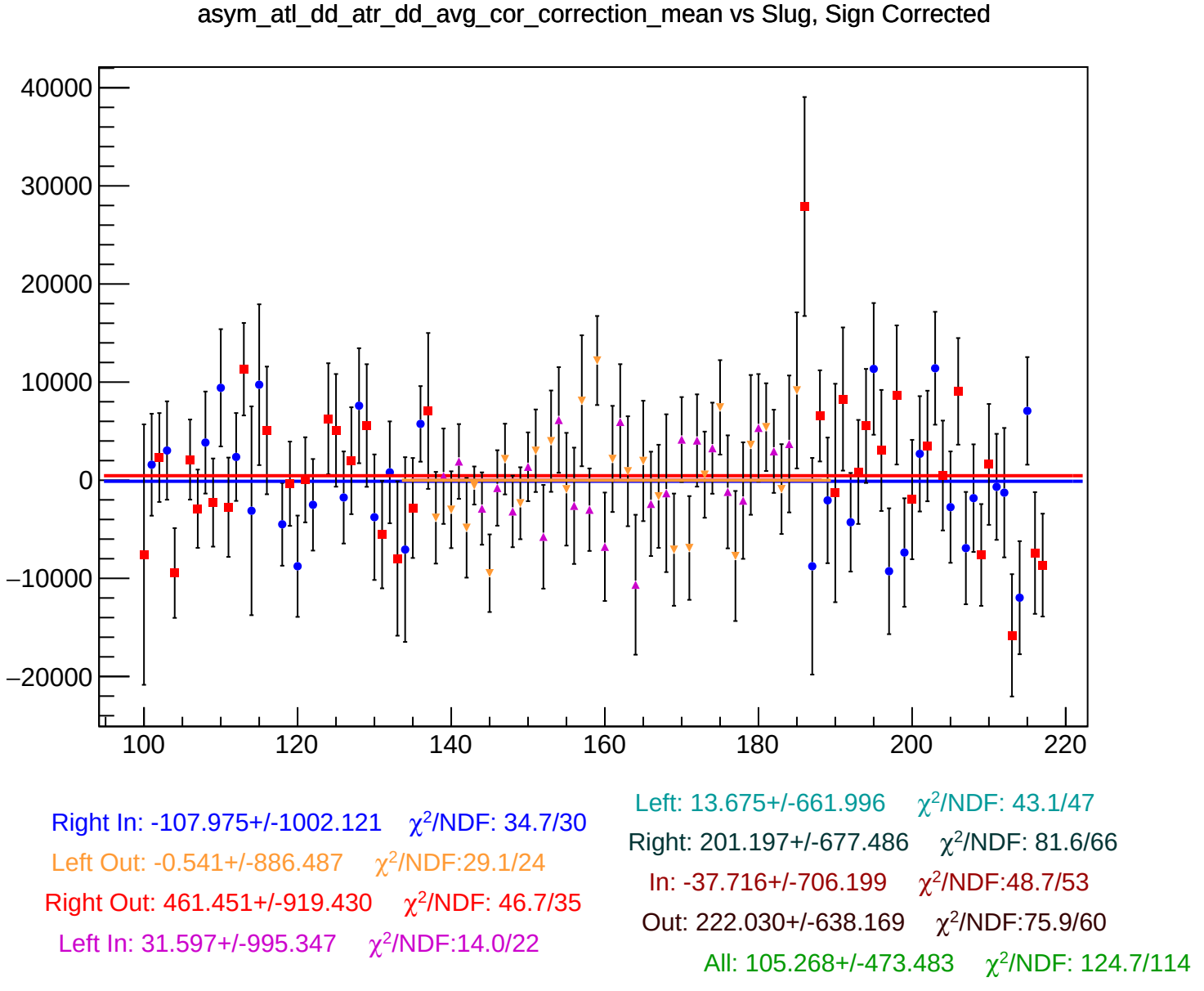
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

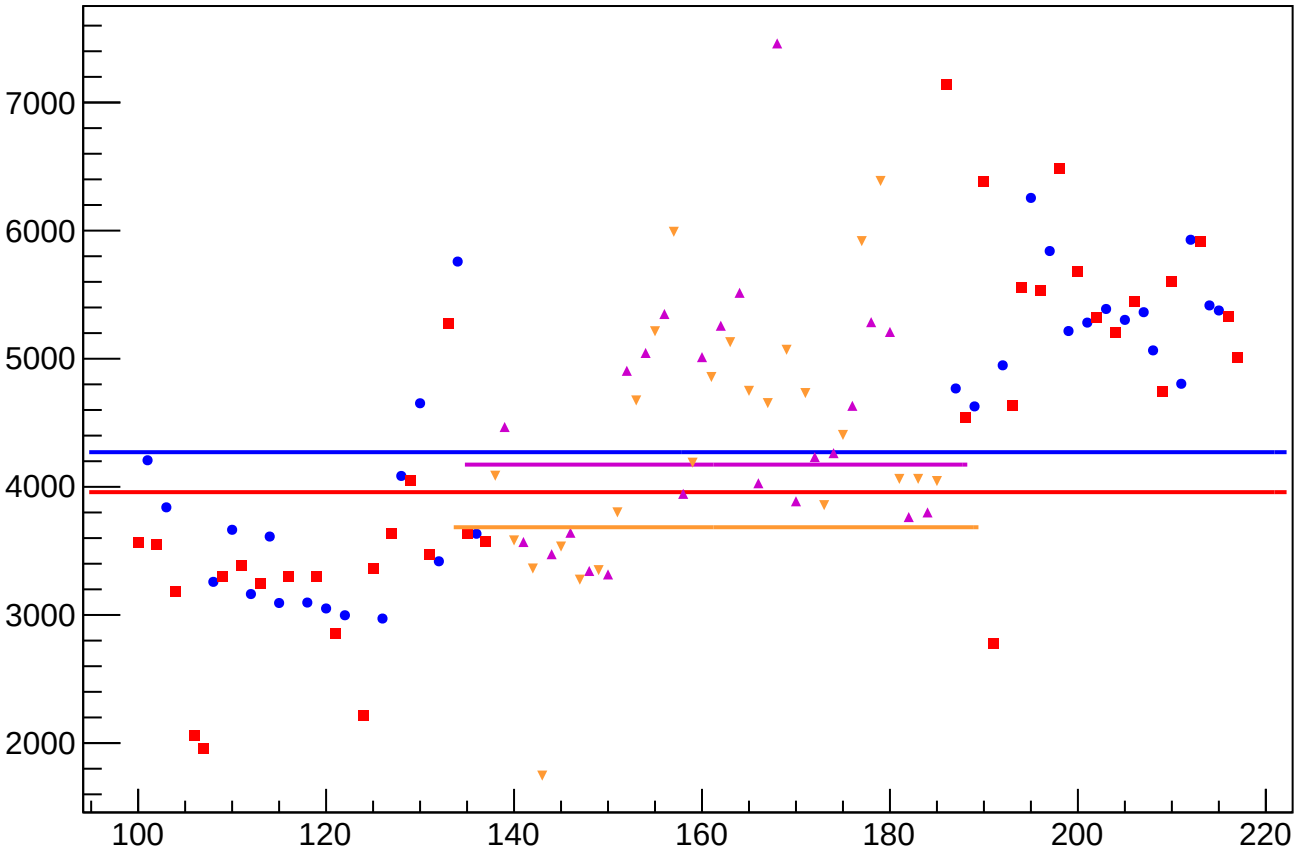
Right: 1284.361+/-0.145 χ^2/NDF: 1021923.6/66

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11


asym_atl_dd_atr_dd_avg_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: 461.451+/-919.430 χ²/NDF: 46.7/35
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 201.197+/-677.486 χ²/NDF: 81.6/66
In: -37.716+/-706.199 χ²/NDF:48.7/53
Out: 222.030+/-638.169 χ²/NDF:75.9/60
All: 105.268+/-473.483 χ²/NDF: 124.7/114



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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

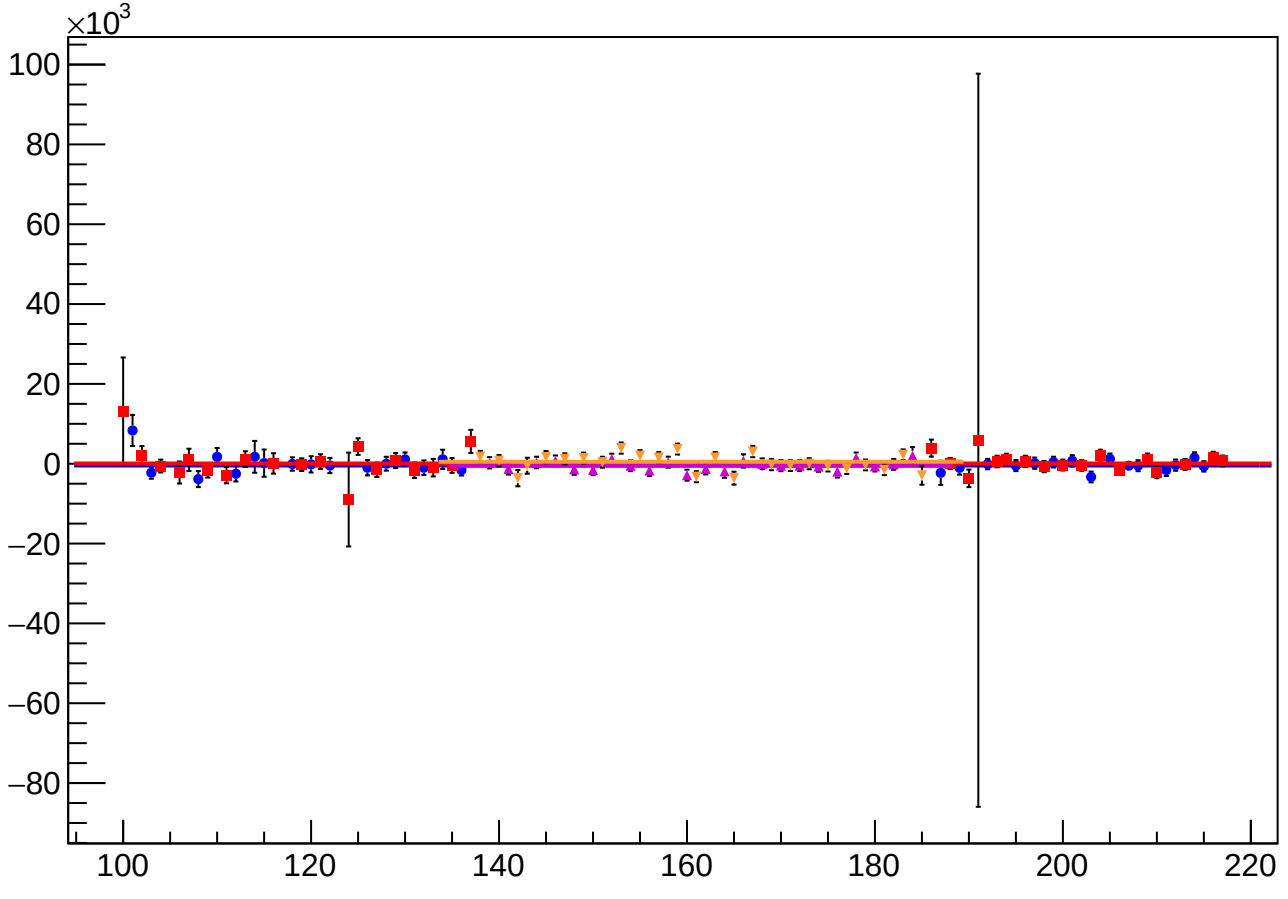
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4101.223+/-0.479 χ^2/NDF: 5772846.2/66

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

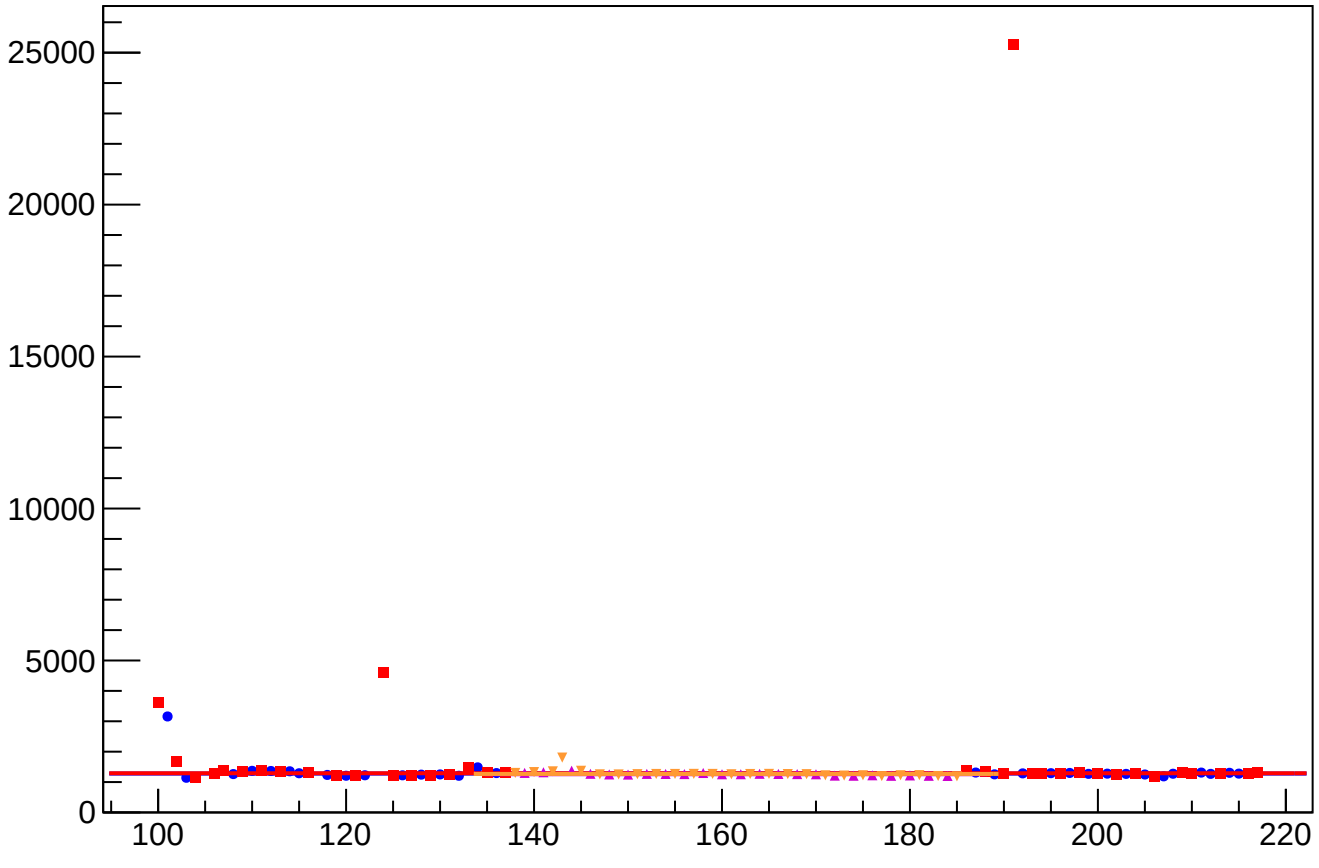
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -185.134+/-205.502 χ^2/NDF: 58.8/66

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -86.955+/-145.430 χ^2/NDF: 126.2/114



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

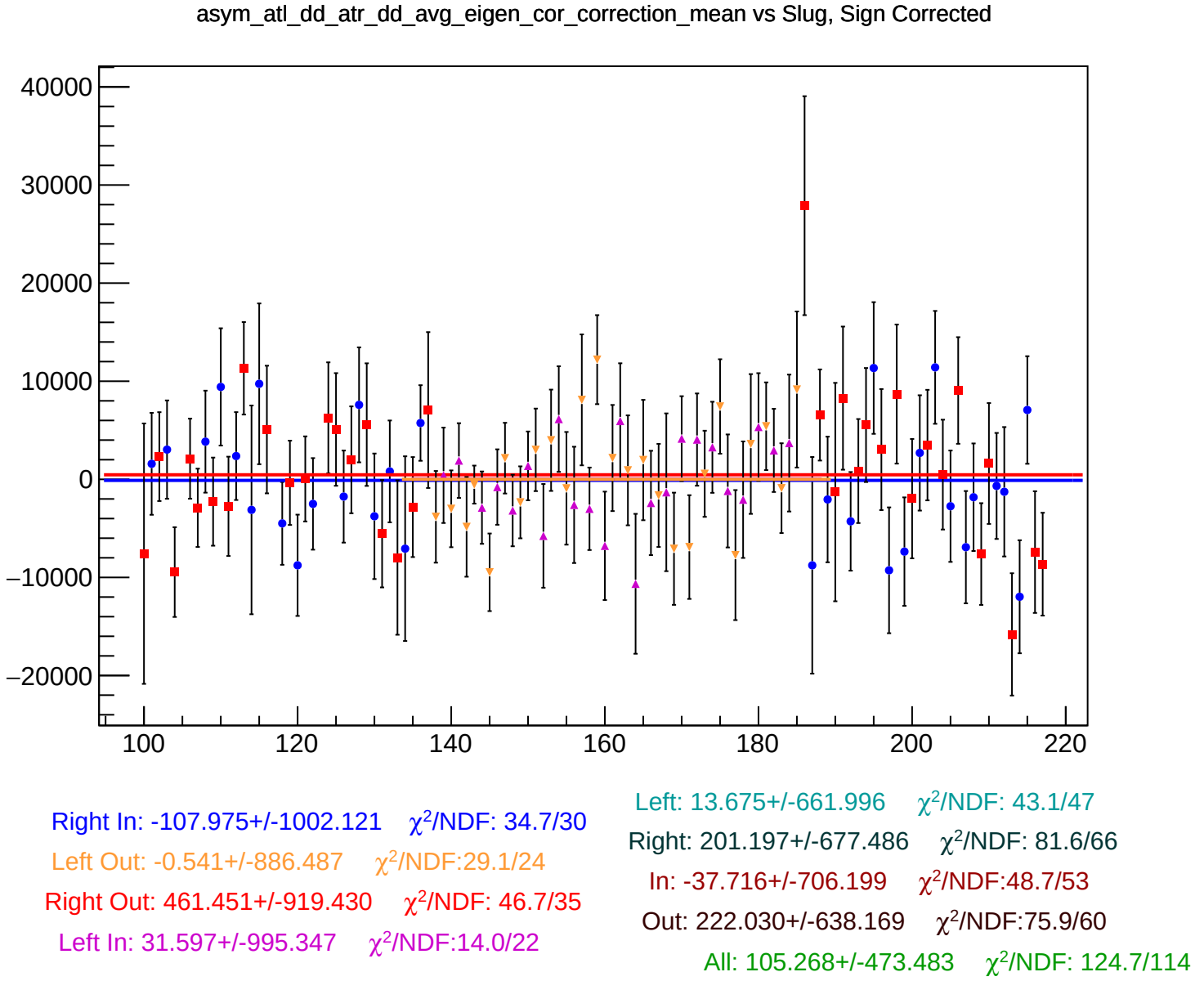
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1284.361+/-0.145 χ^2/NDF: 1021923.6/66

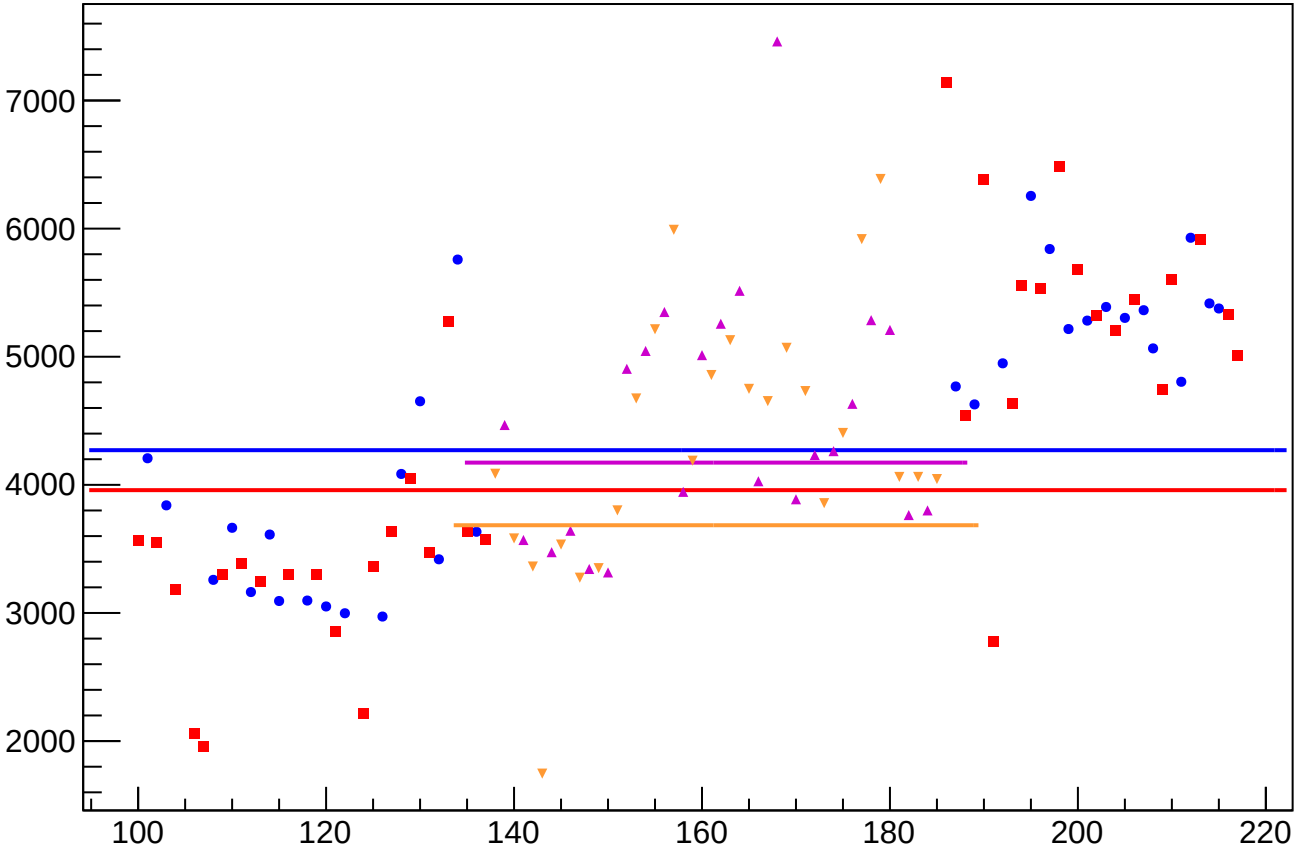
In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -107.975+/-1002.121 χ²/NDF: 34.7/30
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 461.451+/-919.430 χ²/NDF: 46.7/35
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 201.197+/-677.486 χ²/NDF: 81.6/66
In: -37.716+/-706.199 χ²/NDF:48.7/53
Out: 222.030+/-638.169 χ²/NDF:75.9/60
All: 105.268+/-473.483 χ²/NDF: 124.7/114

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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

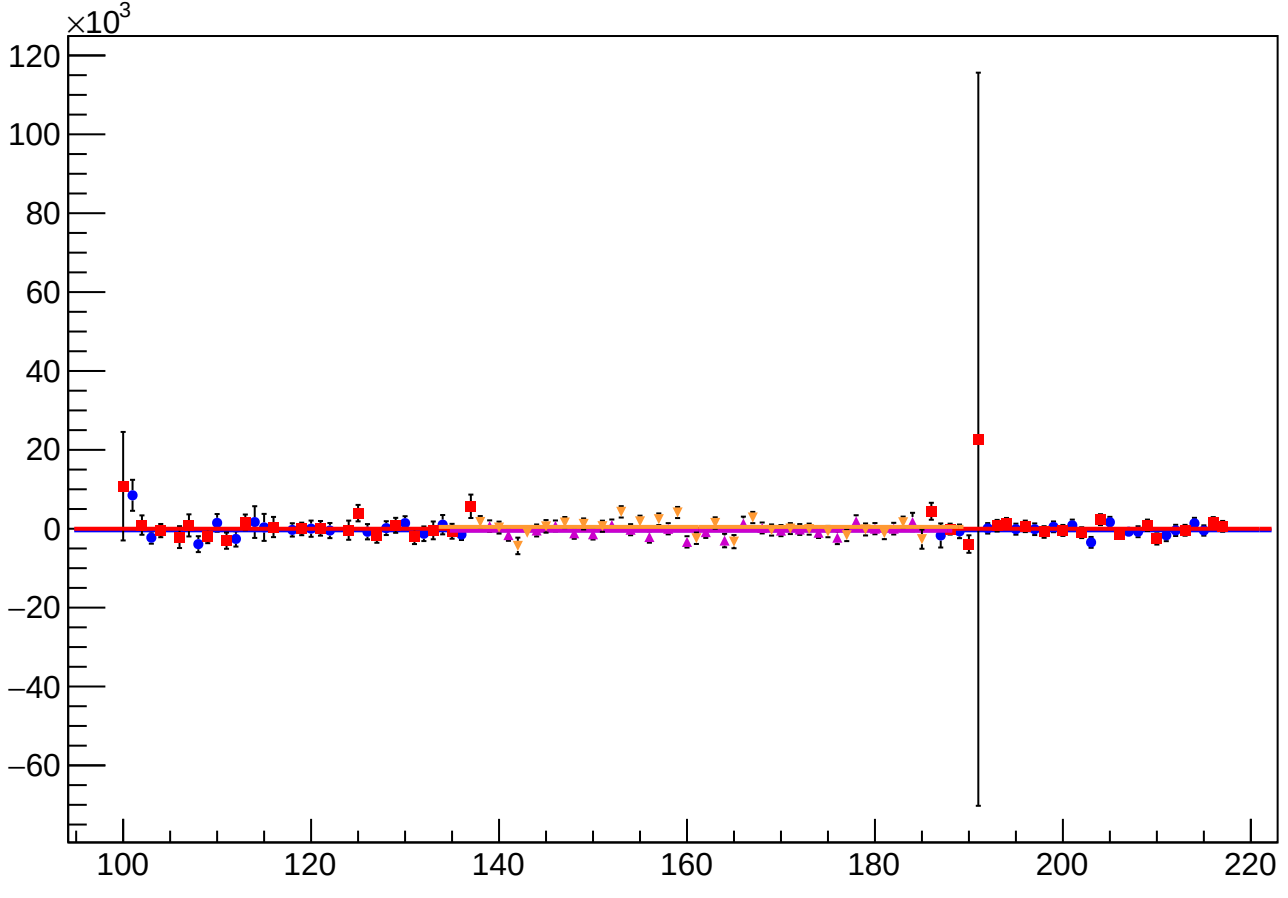
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4101.223+/-0.479 χ^2/NDF: 5772846.2/66

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1



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: -2.606+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

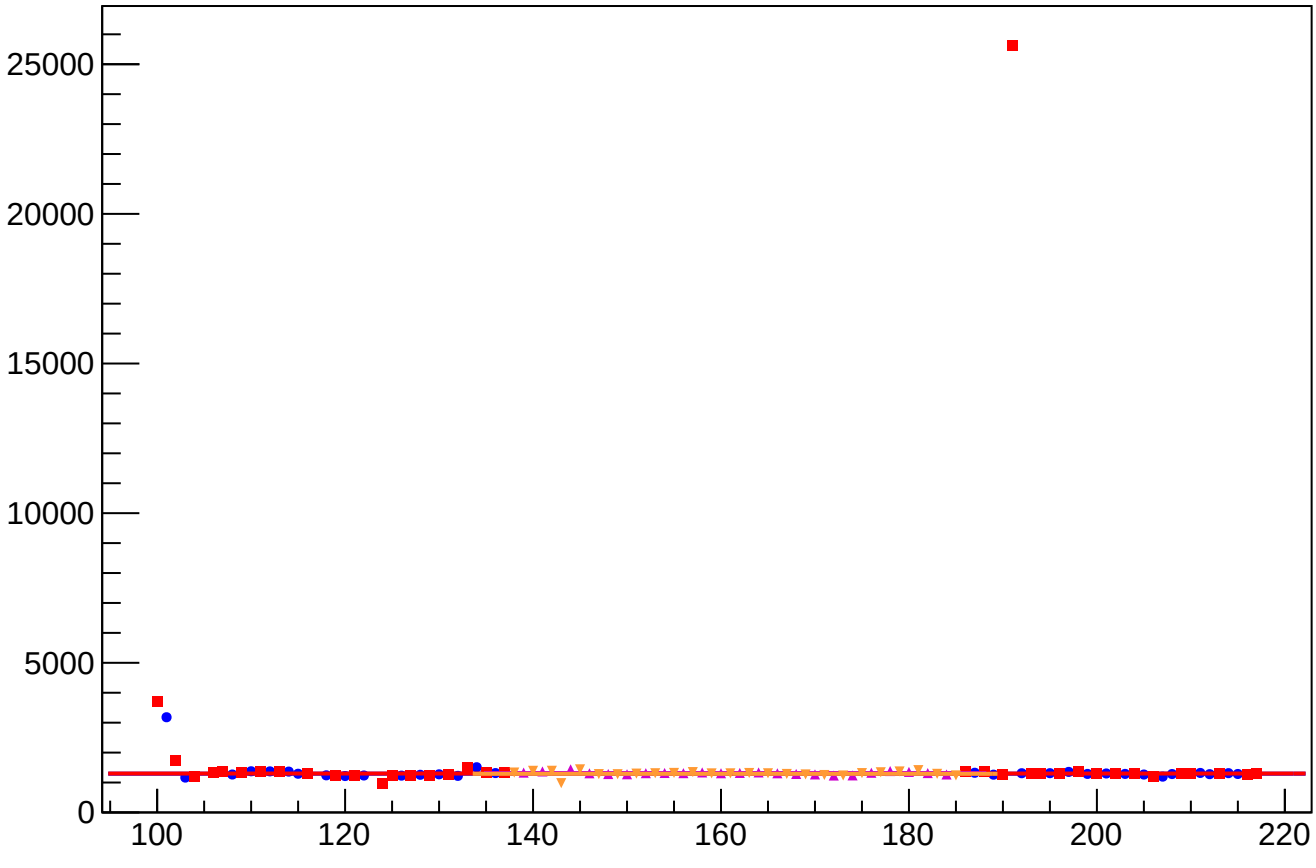
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -198.366+/-207.546 χ^2/NDF: 60.6/66

In: -451.795+/-213.463 χ^2/NDF:43.1/53

Out: 229.383+/-206.616 χ^2/NDF:79.4/60

All: -100.106+/-148.461 χ^2/NDF: 127.8/114



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.2/30

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

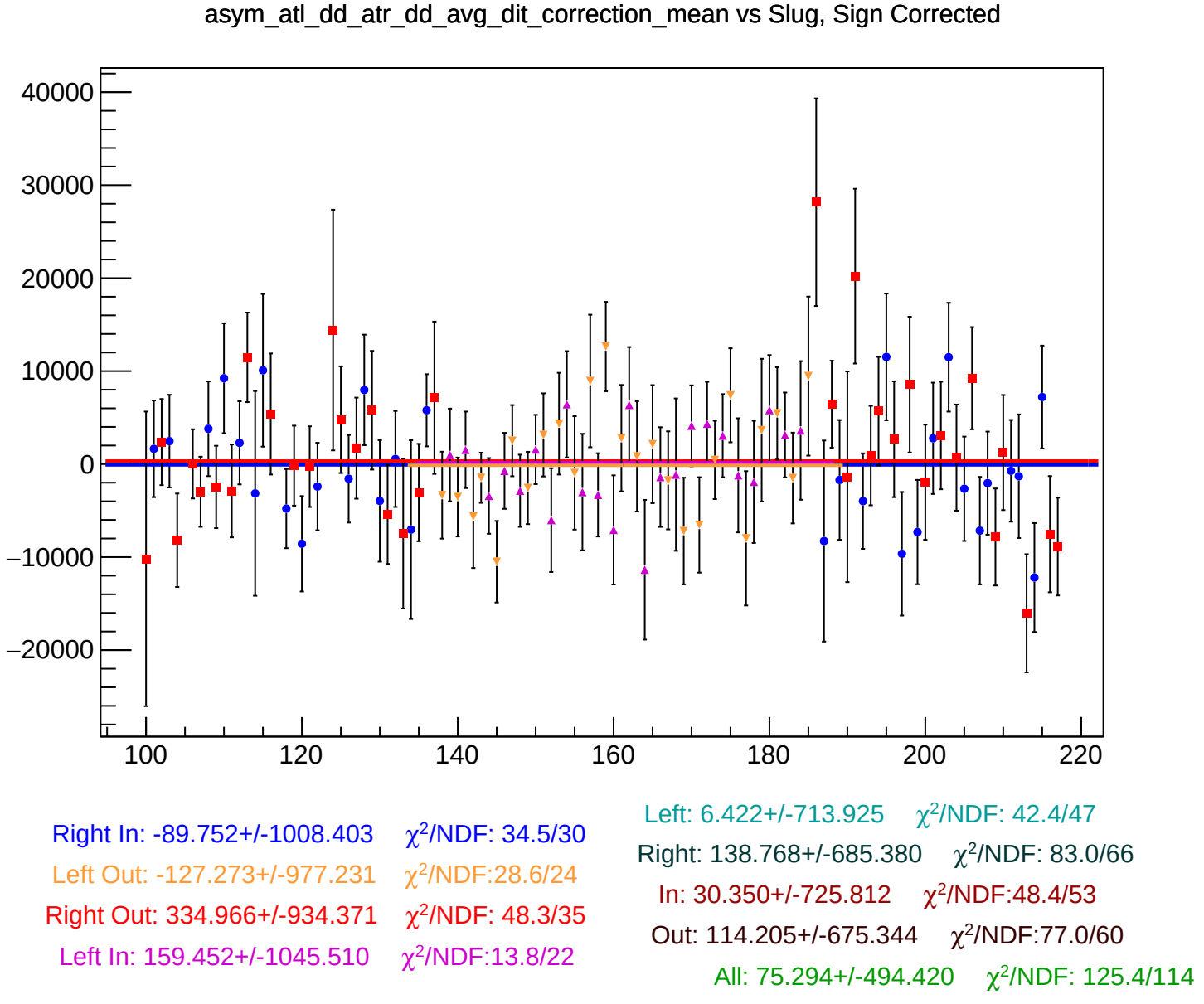
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

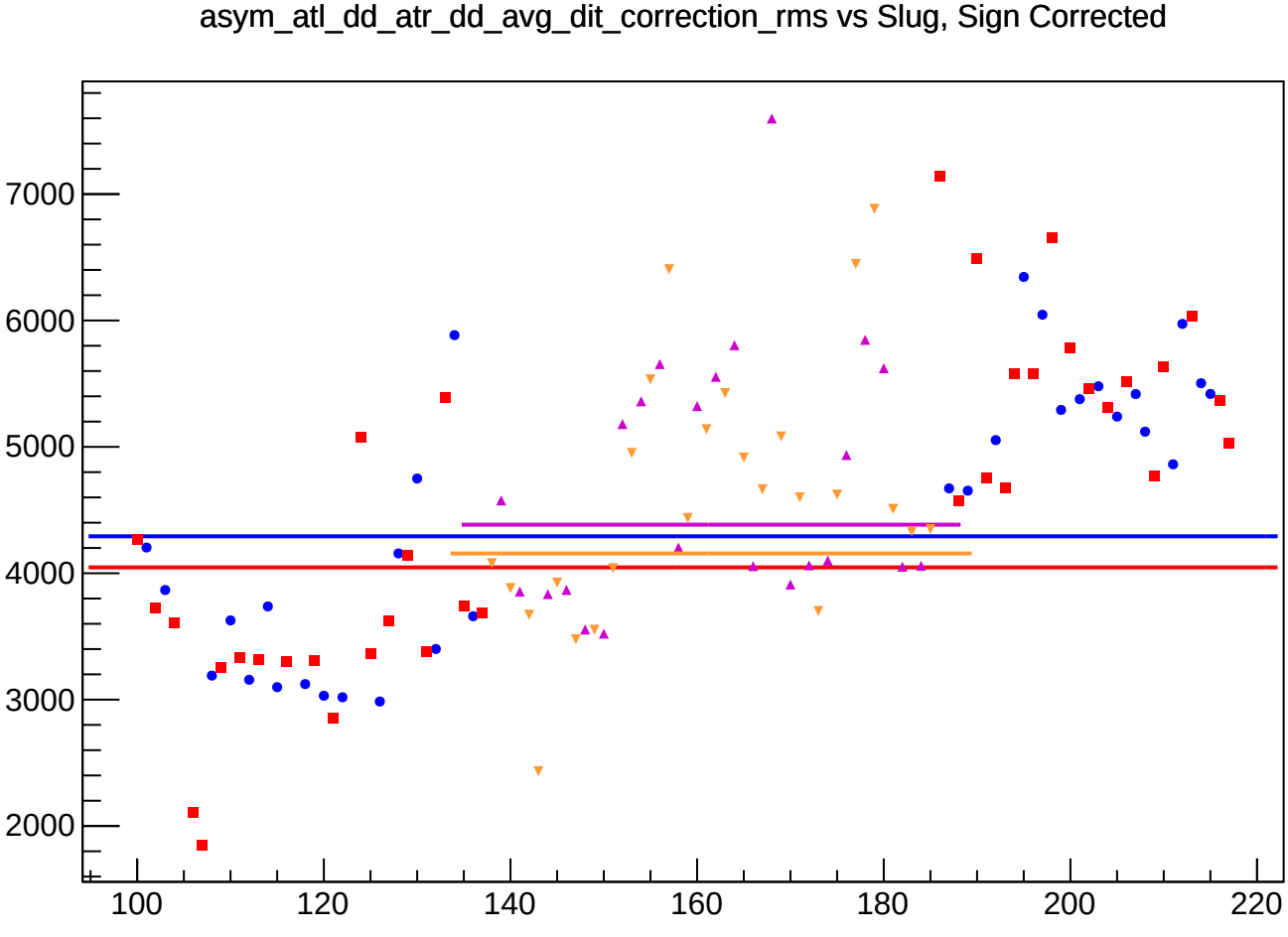
Right: 1297.679+/-0.147 χ^2/NDF: 909567.5/66

In: 1304.080+/-0.151 χ^2/NDF:577298.1/53

Out: 1295.886+/-0.146 χ^2/NDF:610720.7/60

All: 1299.849+/-0.105 χ^2/NDF: 1189540.9/11


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -89.752+/-1008.403 χ²/NDF: 34.5/30
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 334.966+/-934.371 χ²/NDF: 48.3/35
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 138.768+/-685.380 χ²/NDF: 83.0/66
In: 30.350+/-725.812 χ²/NDF:48.4/53
Out: 114.205+/-675.344 χ²/NDF:77.0/60
All: 75.294+/-494.420 χ²/NDF: 125.4/114



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: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

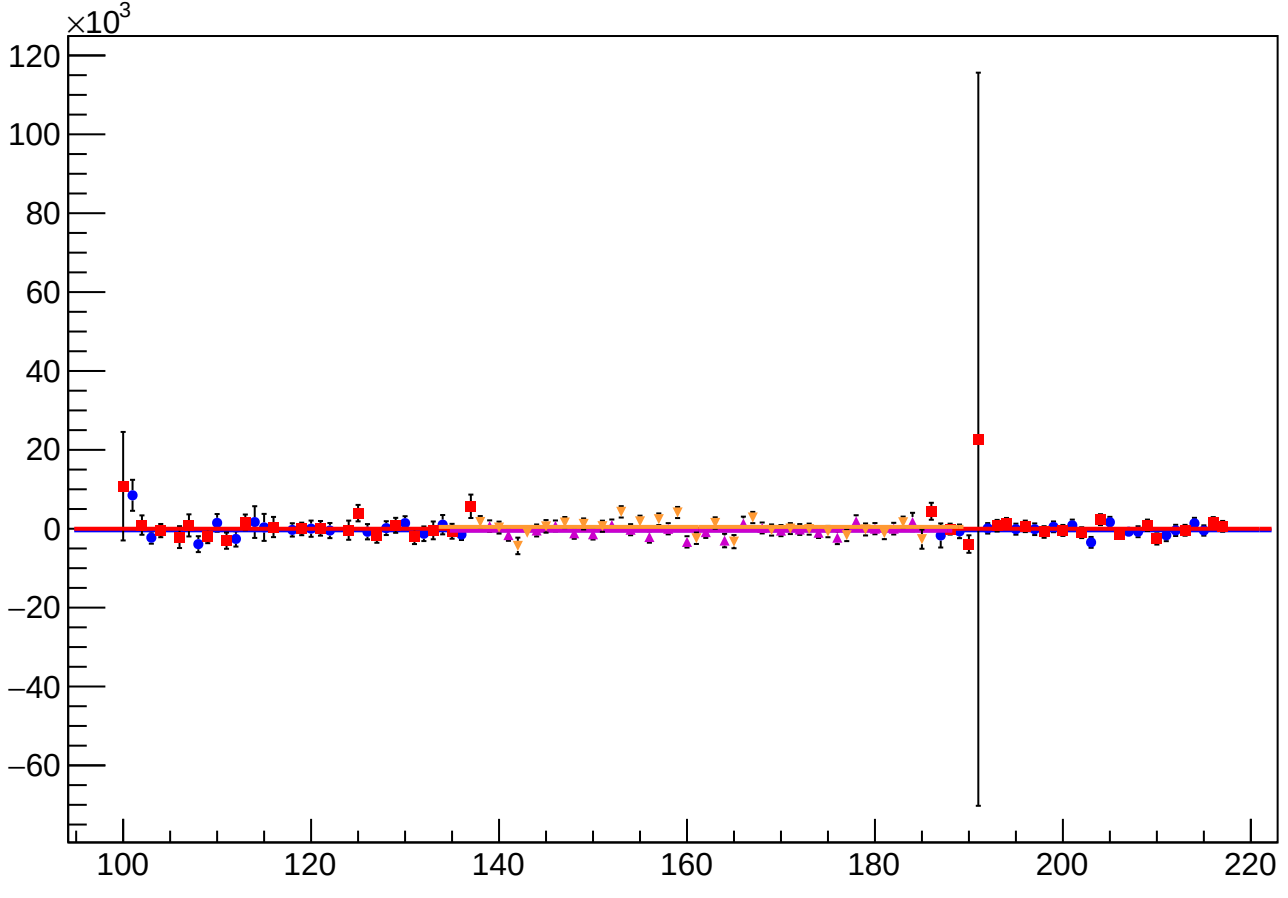
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4159.993+/-0.485 χ^2/NDF: 5859662.4/66

In: 4336.739+/-0.513 χ^2/NDF:3405534.8/53

Out: 4098.944+/-0.478 χ^2/NDF:5747522.7/60

All: 4209.287+/-0.350 χ^2/NDF: 9268119.3/11



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: -2.608+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

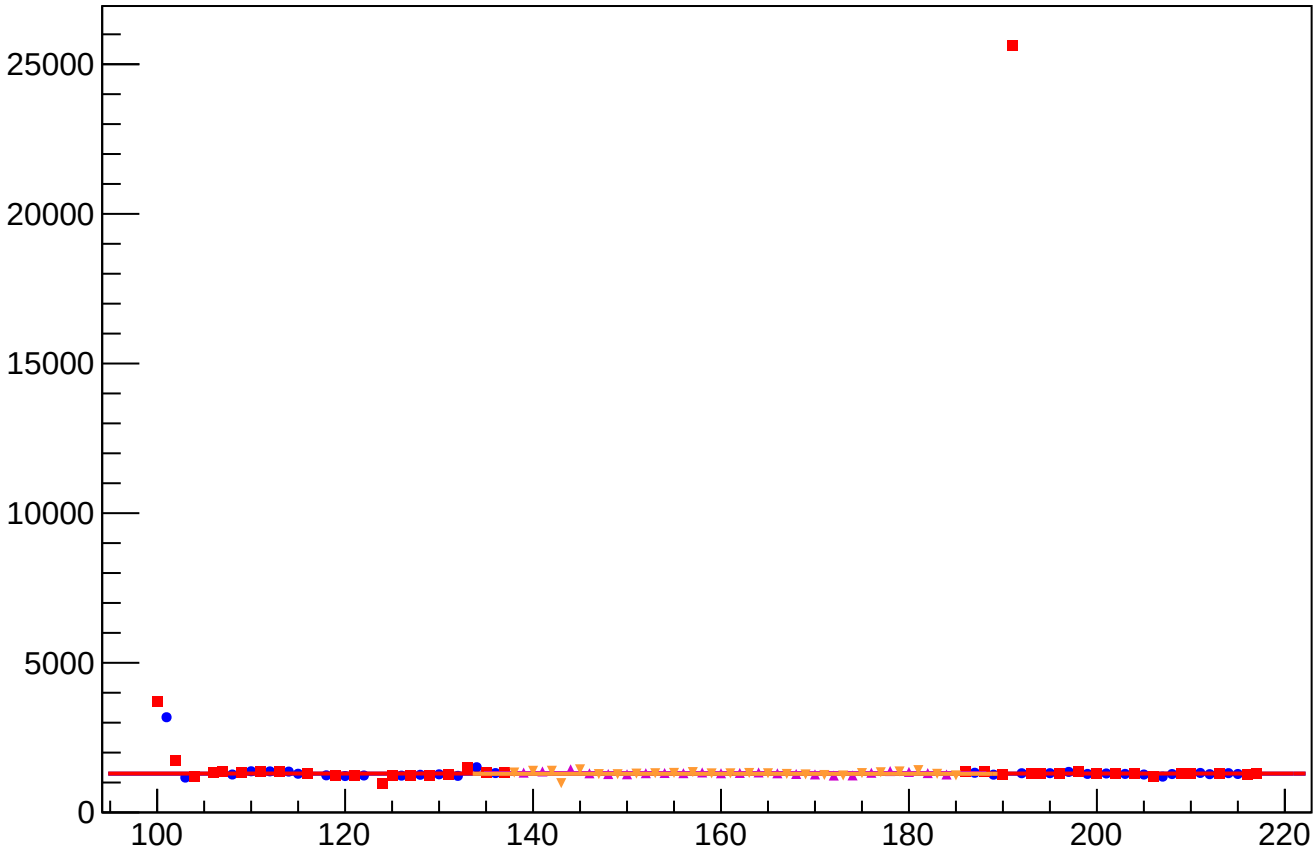
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -198.367+/-207.546 χ^2/NDF: 60.6/66

In: -451.794+/-213.463 χ^2/NDF:43.1/53

Out: 229.384+/-206.616 χ^2/NDF:79.4/60

All: -100.106+/-148.461 χ^2/NDF: 127.8/114



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.3/30

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

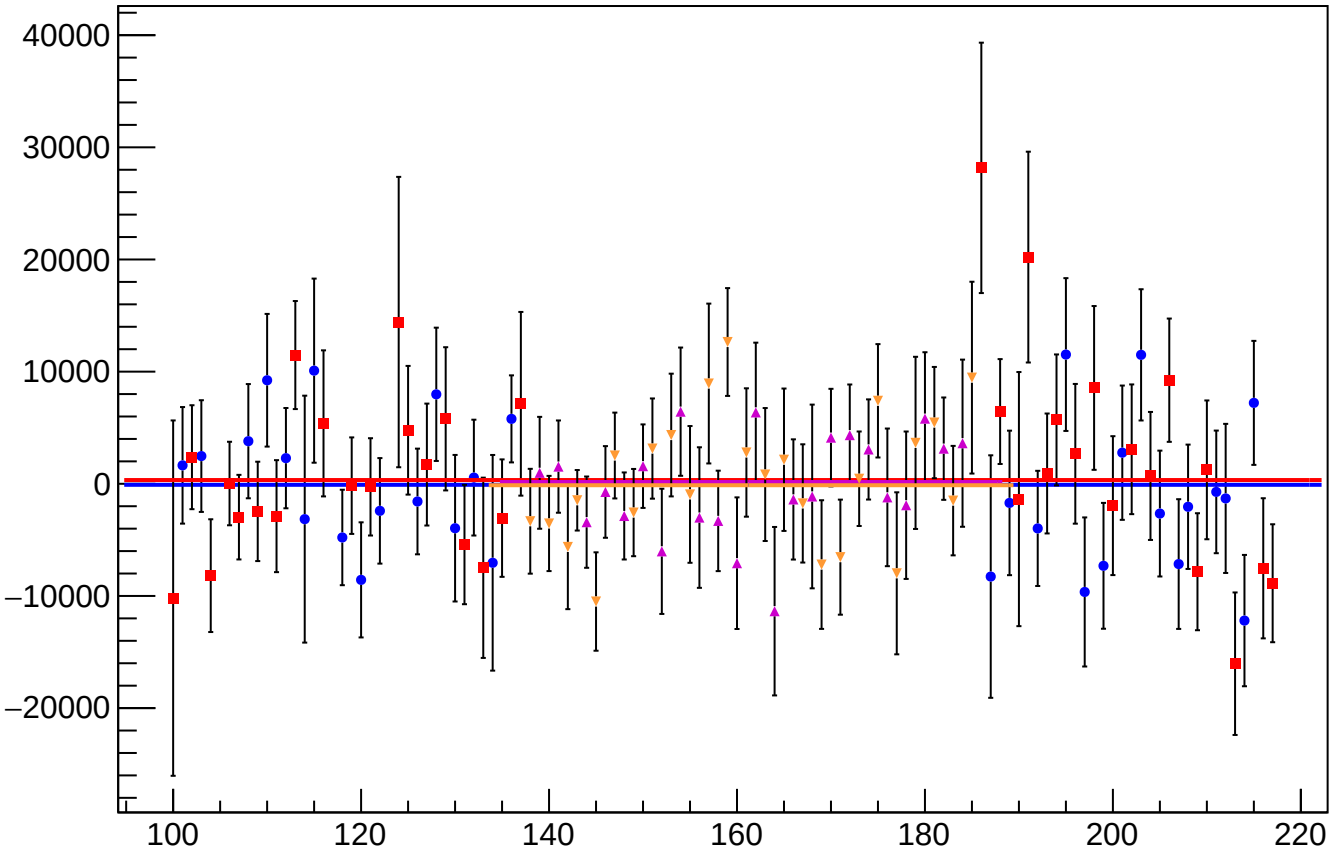
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.679+/-0.147 χ^2/NDF: 909567.7/66

In: 1304.081+/-0.151 χ^2/NDF:577300.9/53

Out: 1295.886+/-0.146 χ^2/NDF:610723.1/60

All: 1299.850+/-0.105 χ^2/NDF: 1189546.0/11



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: 334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

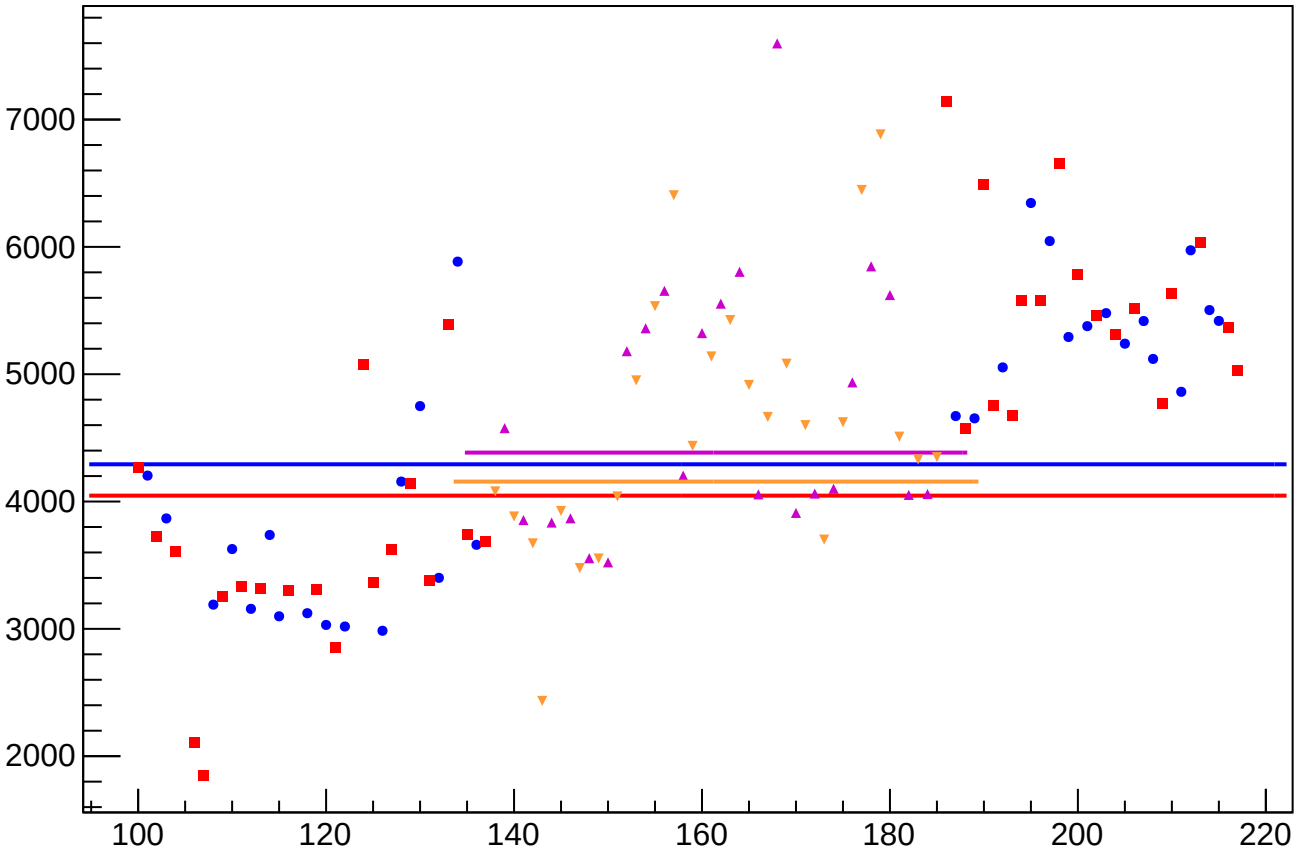
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 138.764+/-685.379 χ^2/NDF: 83.0/66

In: 30.348+/-725.813 χ^2/NDF:48.4/53

Out: 114.204+/-675.344 χ^2/NDF:77.0/60

All: 75.293+/-494.420 χ^2/NDF: 125.4/114



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: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

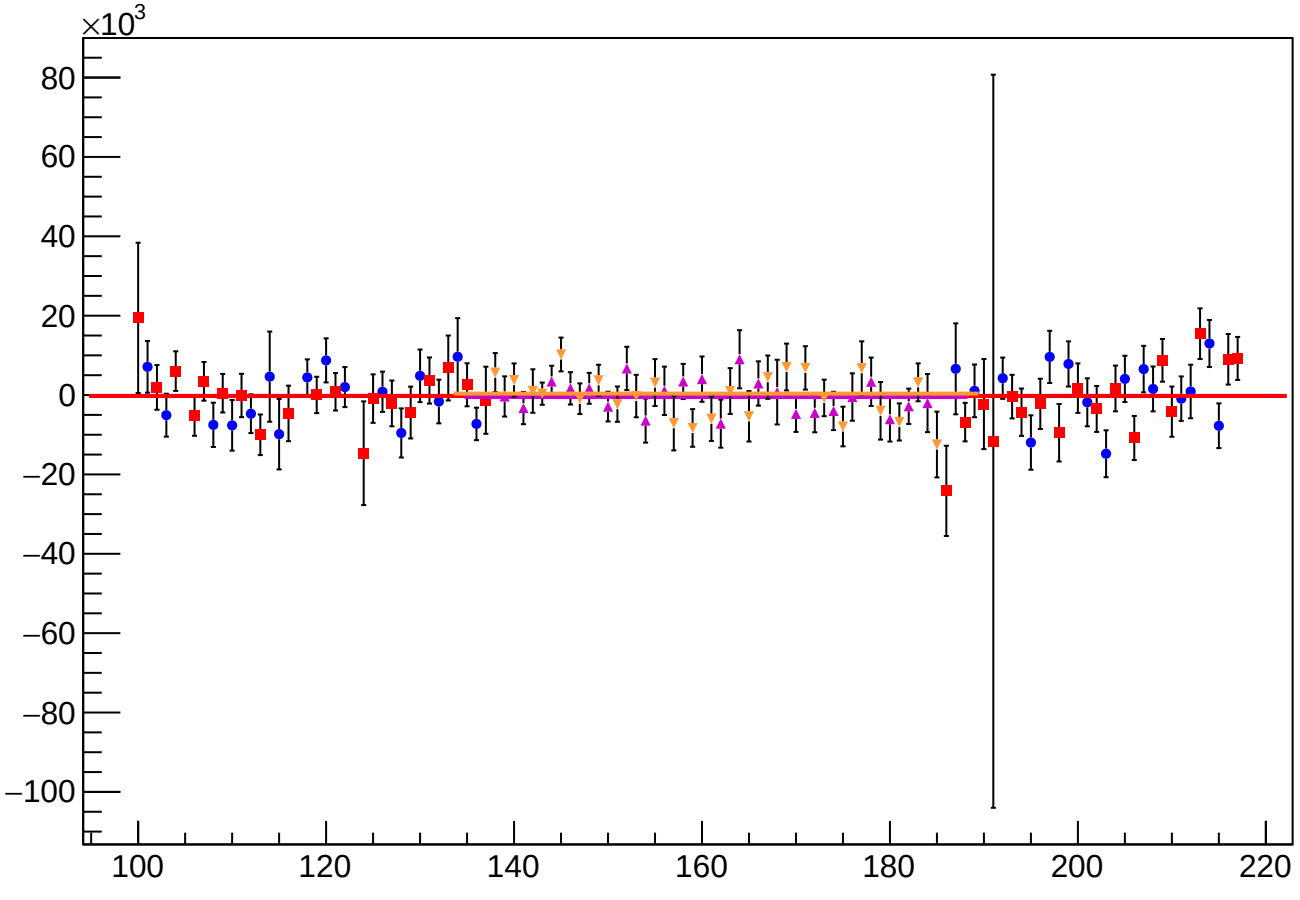
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4159.988+/-0.485 χ^2/NDF: 5859737.9/66

In: 4336.740+/-0.513 χ^2/NDF:3405579.4/53

Out: 4098.944+/-0.478 χ^2/NDF:5747565.0/60

All: 4209.288+/-0.350 χ^2/NDF: 9268206.7/11



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: -228.319+/-1008.085 χ^2/NDF: 38.7/35

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

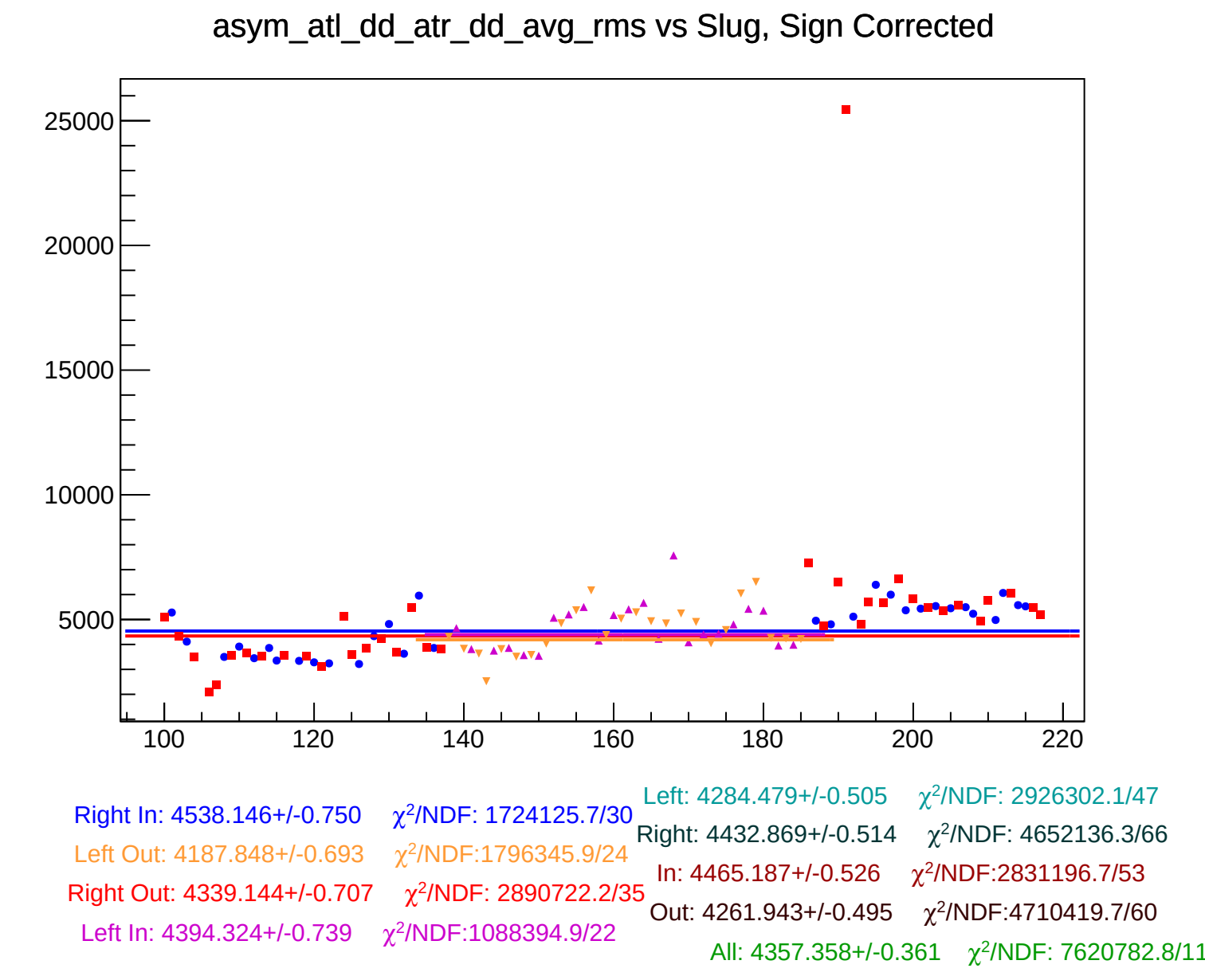
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

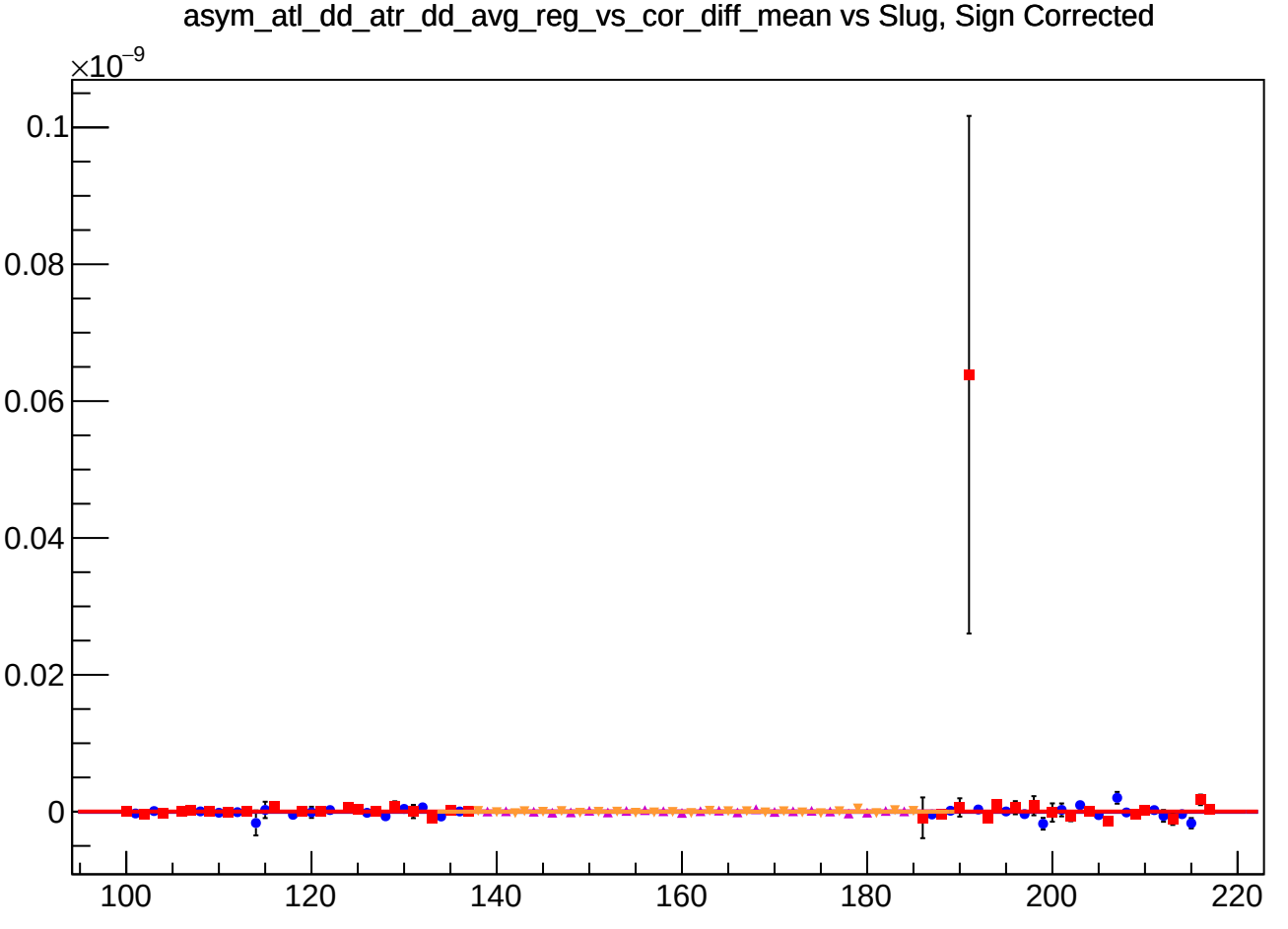
Right: -224.838+/-730.504 χ^2/NDF: 80.0/66

In: -361.271+/-744.084 χ^2/NDF:55.3/53

Out: 75.492+/-702.632 χ^2/NDF:66.5/60

All: -130.386+/-510.862 χ^2/NDF: 122.0/114


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: 4339.144+/-0.707 χ²/NDF: 2890722.2/35
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4432.869+/-0.514 χ²/NDF: 4652136.3/66
In: 4465.187+/-0.526 χ²/NDF:2831196.7/53
Out: 4261.943+/-0.495 χ²/NDF:4710419.7/60
All: 4357.358+/-0.361 χ²/NDF: 7620782.8/11



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: 40.5/35

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

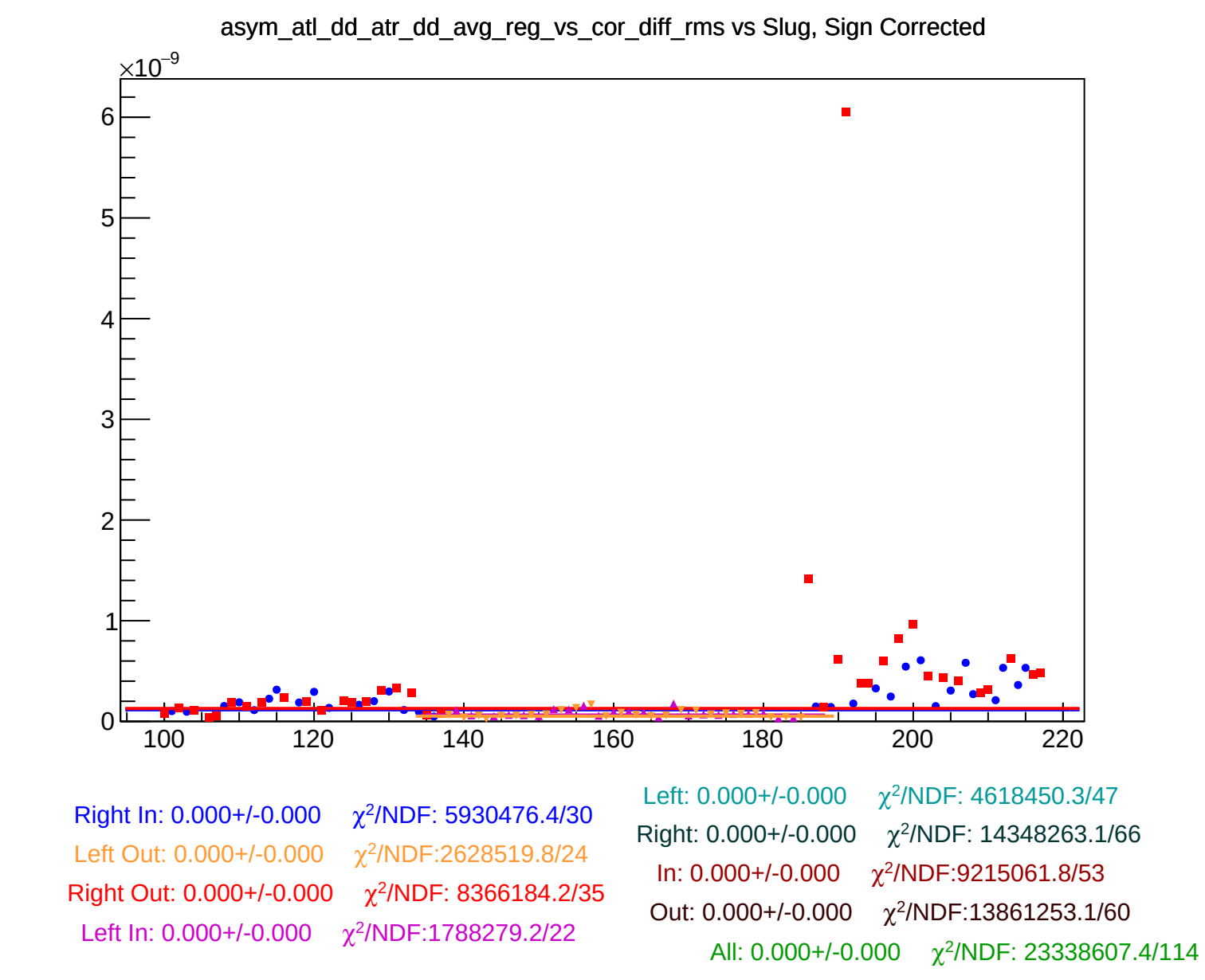
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

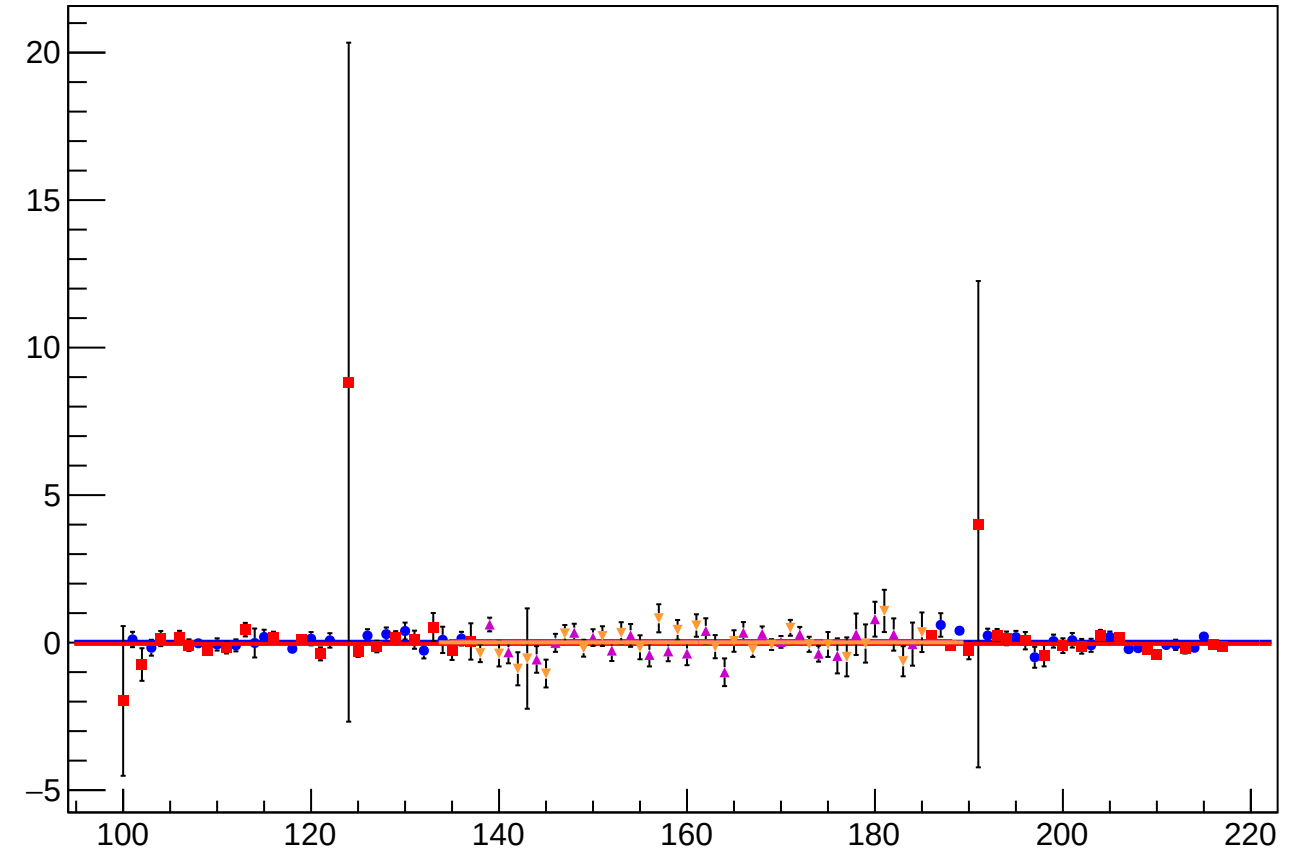
Right: -0.000+/-0.000 χ^2/NDF: 81.4/66

In: 0.000+/-0.000 χ^2/NDF:58.2/53

Out: -0.000+/-0.000 χ^2/NDF:71.1/60

All: 0.000+/-0.000 χ^2/NDF: 129.5/114


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: 8366184.2/35
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: 14348263.1/66
In: 0.000+/-0.000 χ²/NDF:9215061.8/53
Out: 0.000+/-0.000 χ²/NDF:13861253.1/60
All: 0.000+/-0.000 χ²/NDF: 23338607.4/114



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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

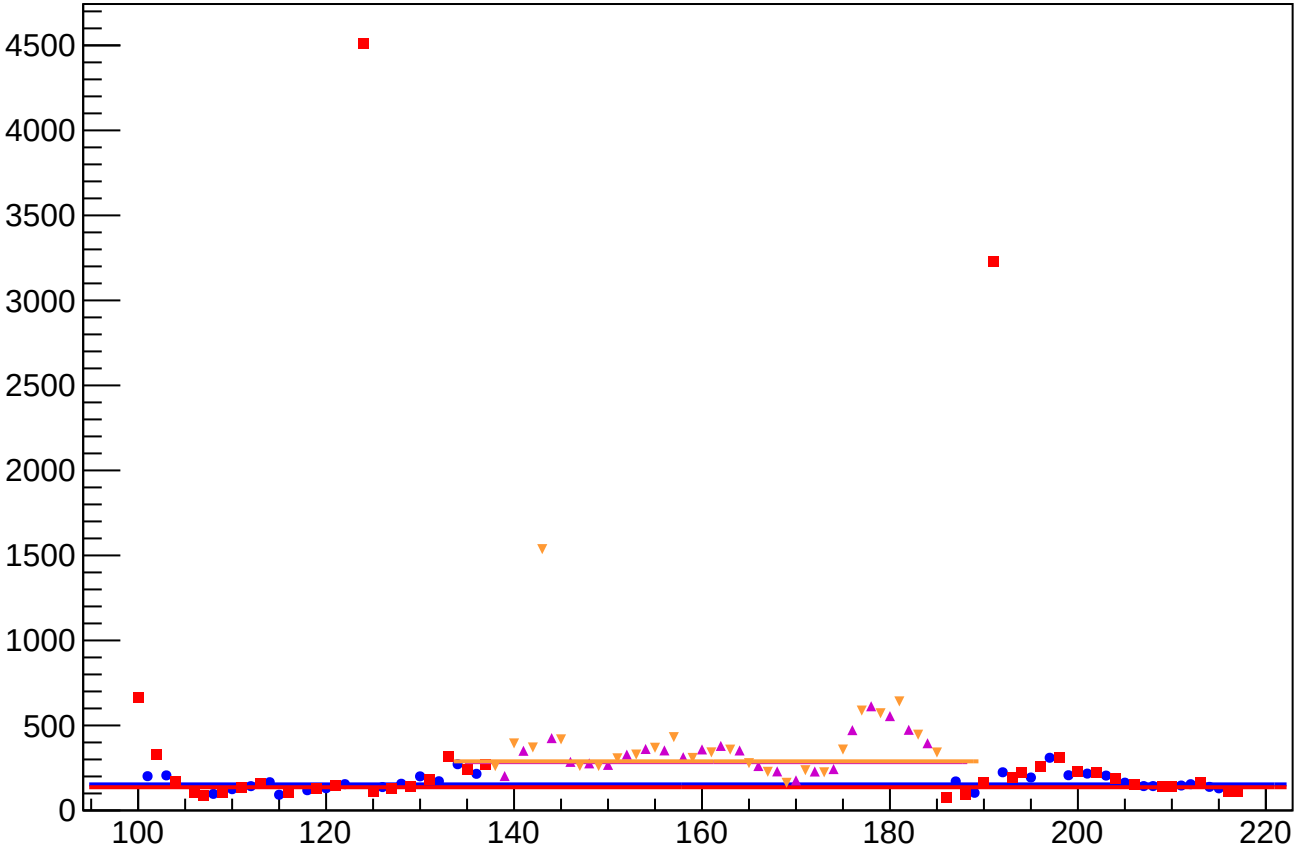
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

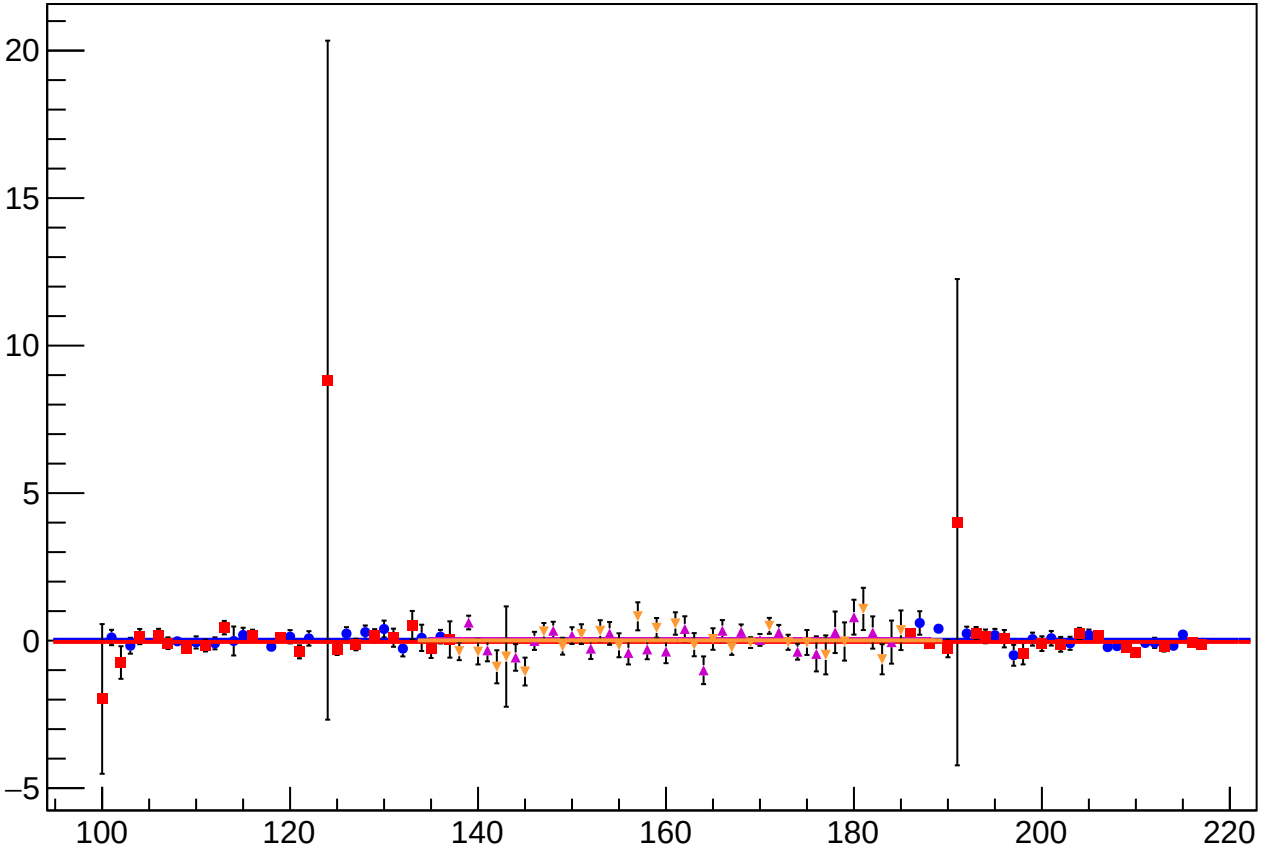
Right: 144.057+/-0.017 χ^2/NDF: 7469460.3/66

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

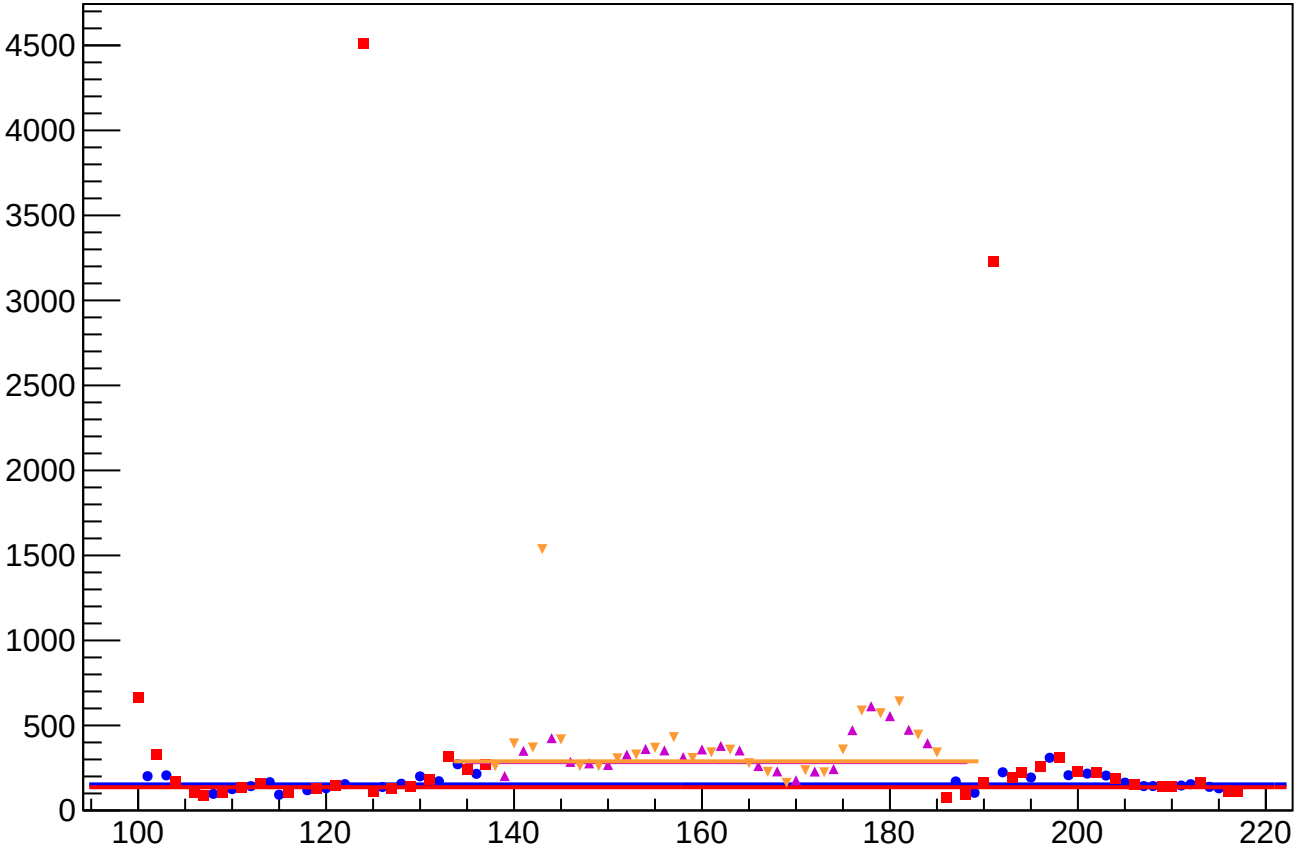
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

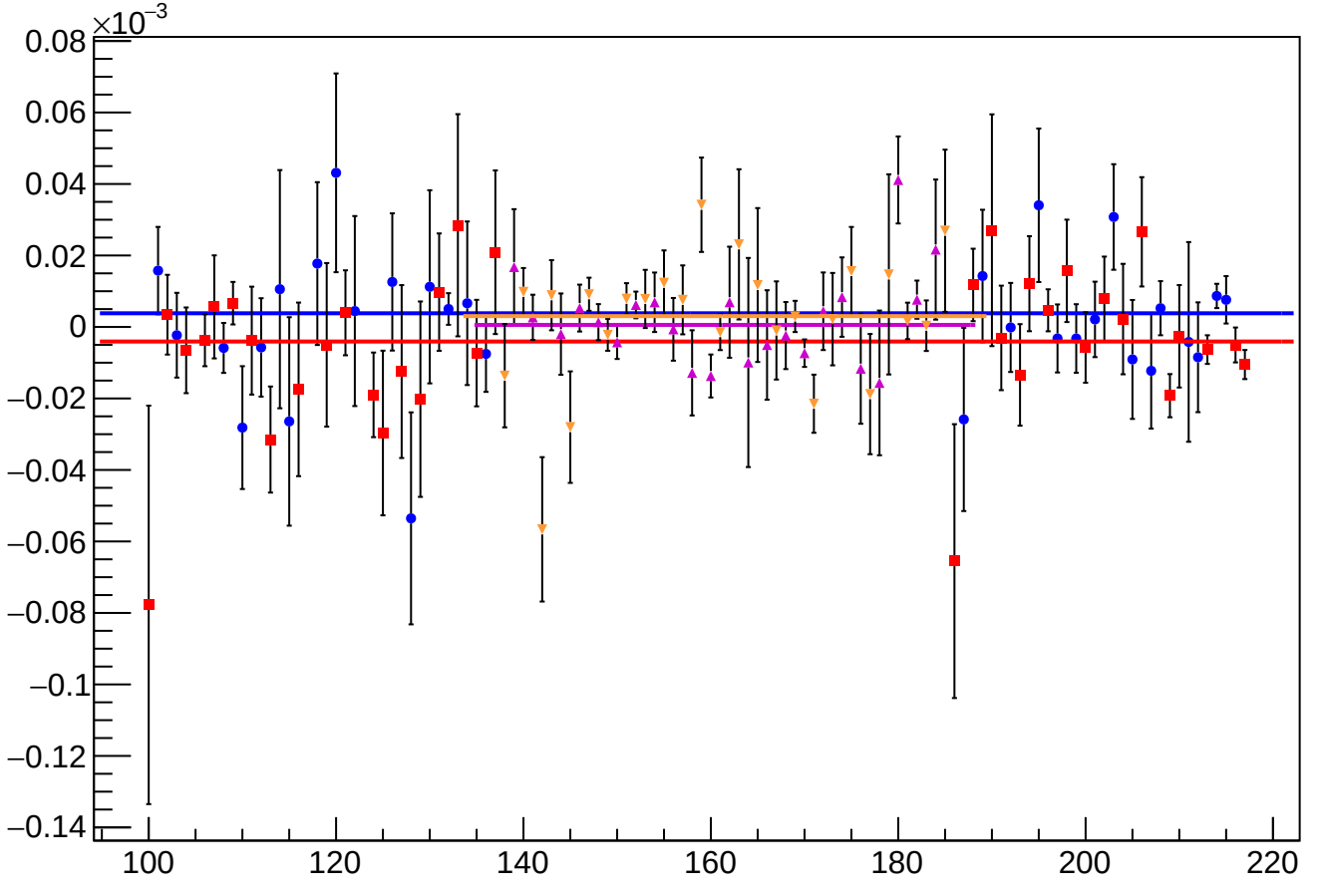
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 144.057+/-0.017 χ^2/NDF: 7469460.3/66

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11



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: 42.8/35

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

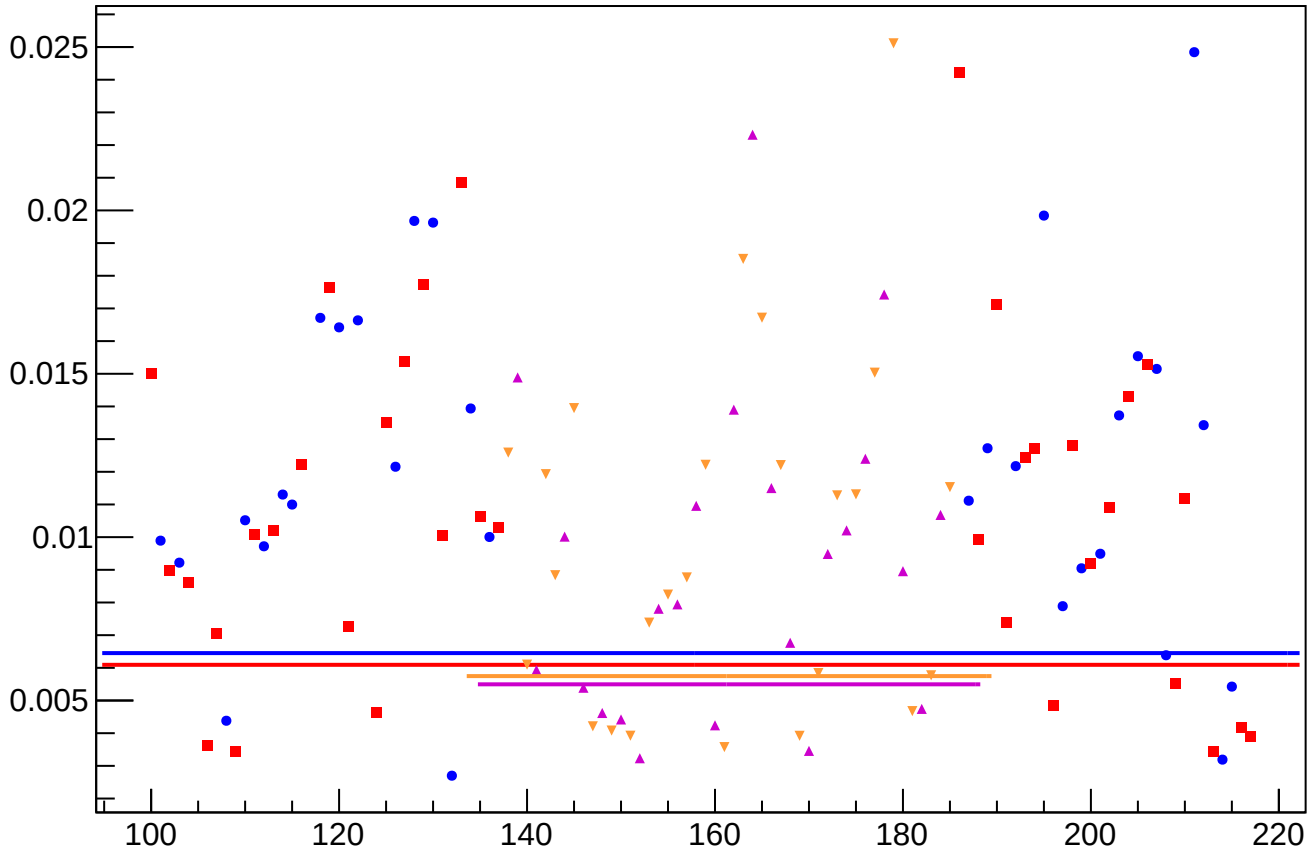
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: -0.000+/-0.000 χ^2/NDF: 82.3/66

In: 0.000+/-0.000 χ^2/NDF:63.8/53

Out: -0.000+/-0.000 χ^2/NDF:95.4/60

All: 0.000+/-0.000 χ^2/NDF: 161.3/114



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: 9846323.4/35

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

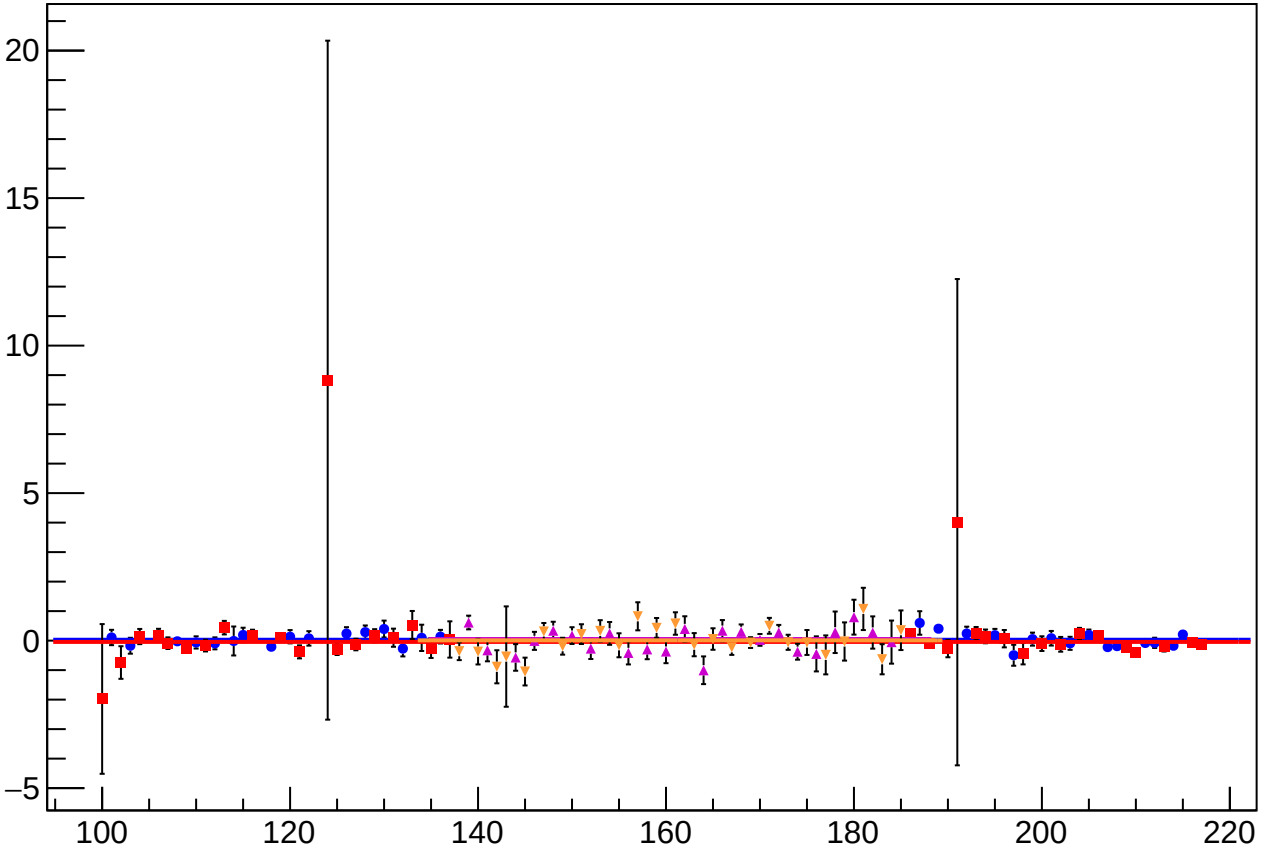
Right: 0.006+/-0.000 χ^2/NDF: 21210887.8/66

In: 0.006+/-0.000 χ^2/NDF:18585008.7/53

Out: 0.006+/-0.000 χ^2/NDF:18023890.7/60

All: 0.006+/-0.000 χ^2/NDF: 36609293.3/114

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

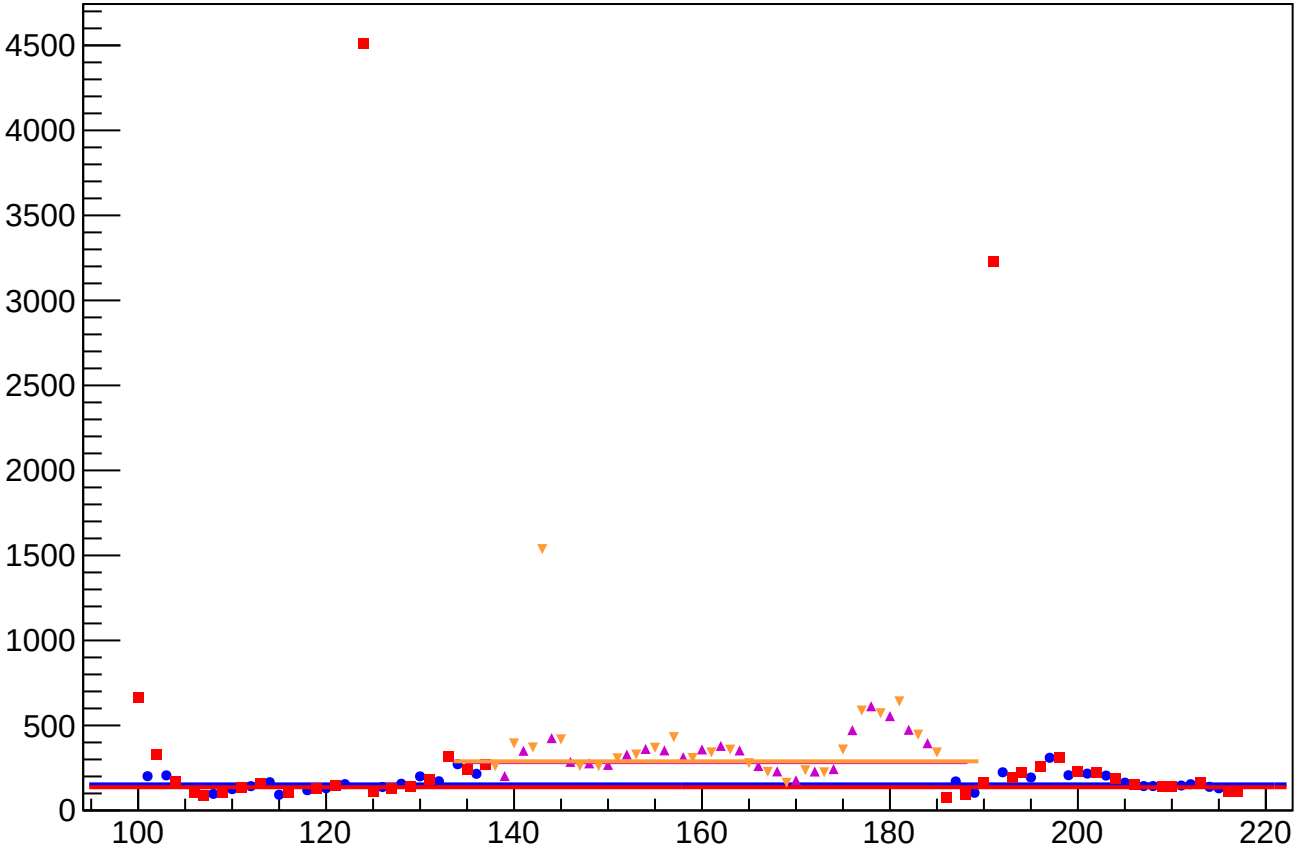
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

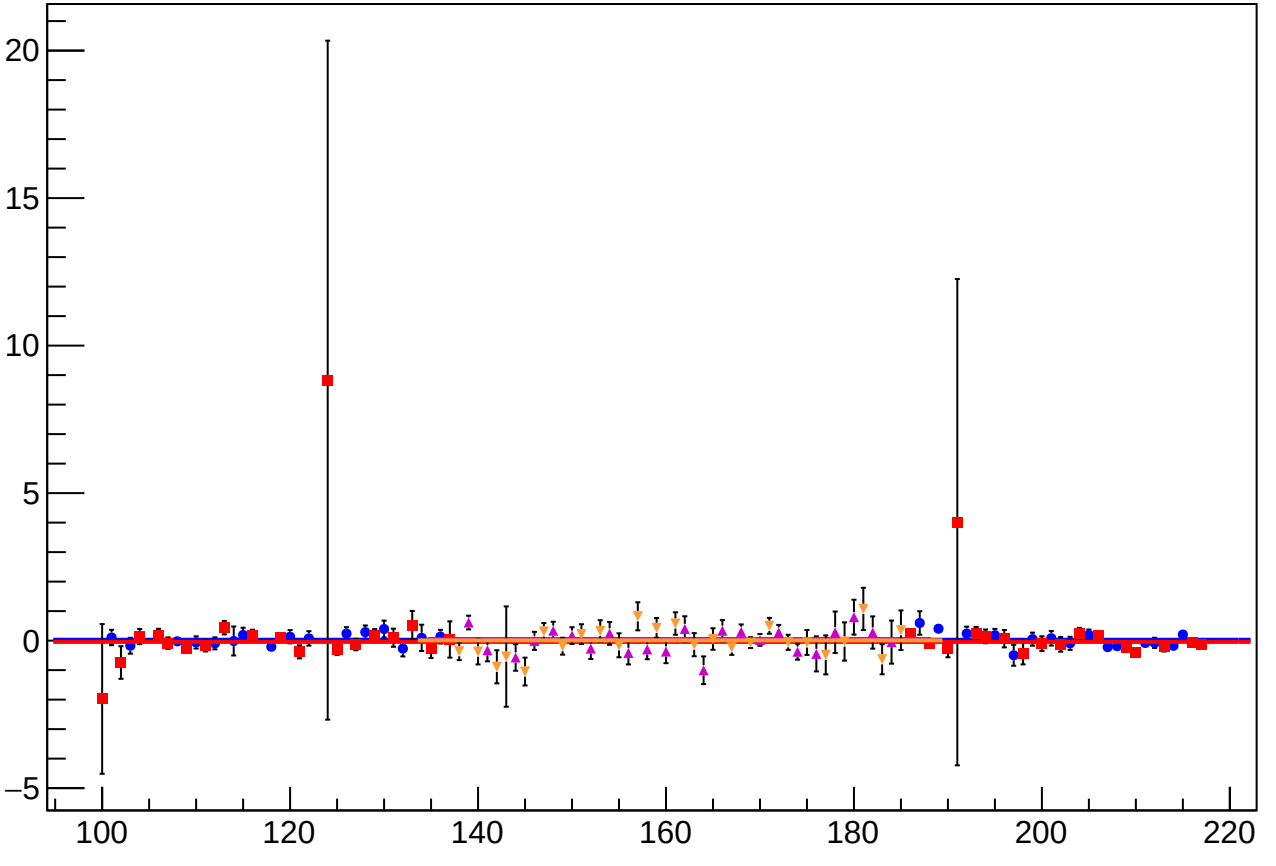
Right: 144.058+/-0.017 χ^2/NDF: 7469255.8/66

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/1

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

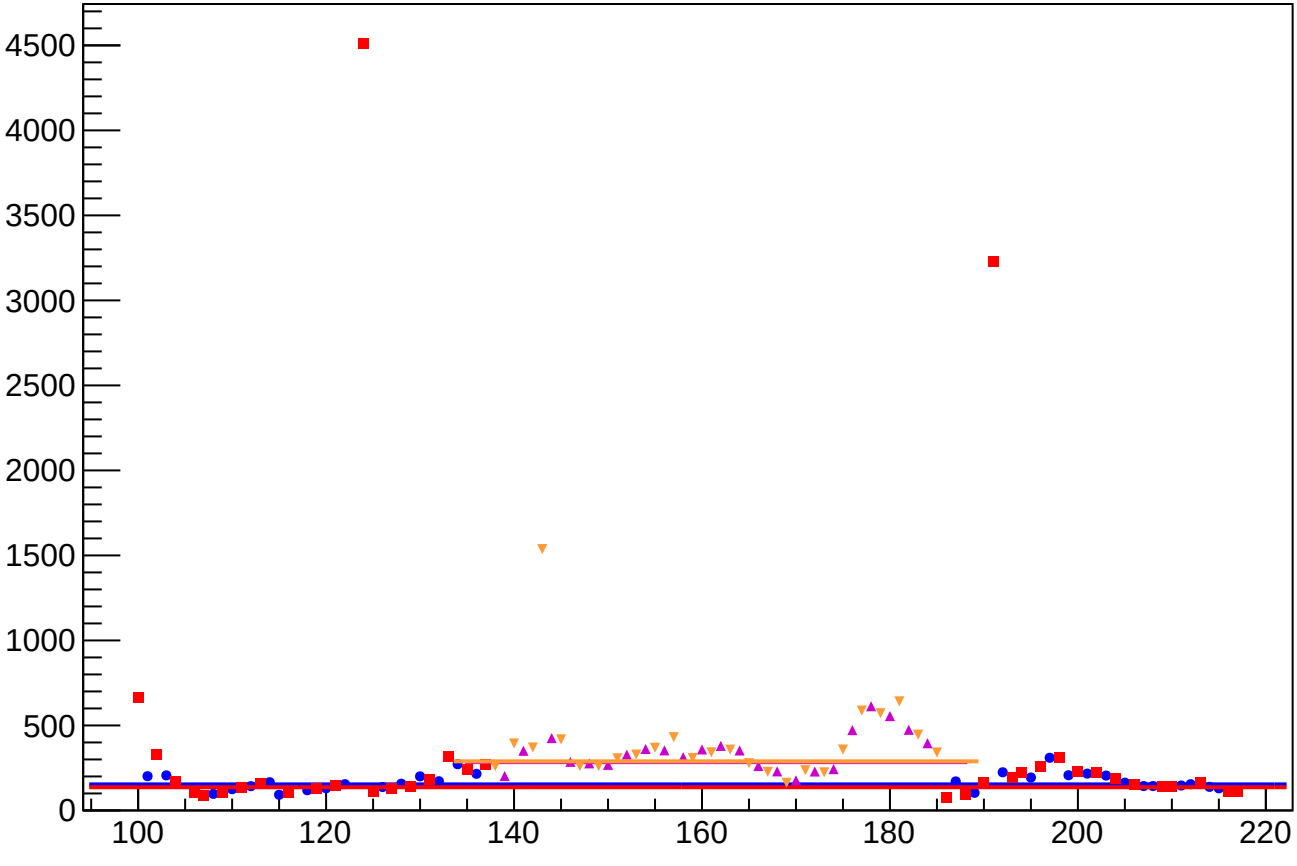
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

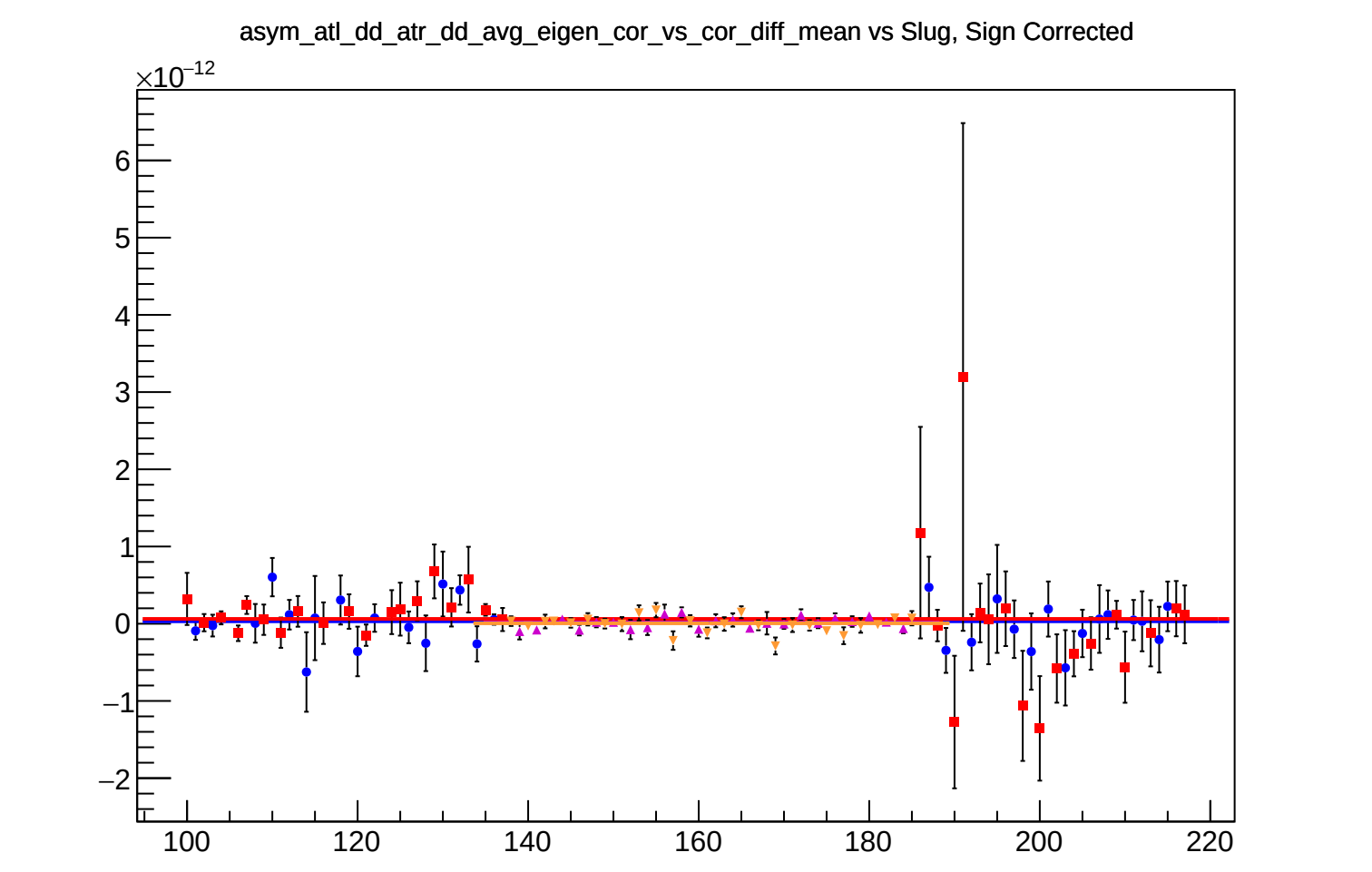
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 144.058+/-0.017 χ^2/NDF: 7469255.8/66

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/12



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: 37.5/35

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

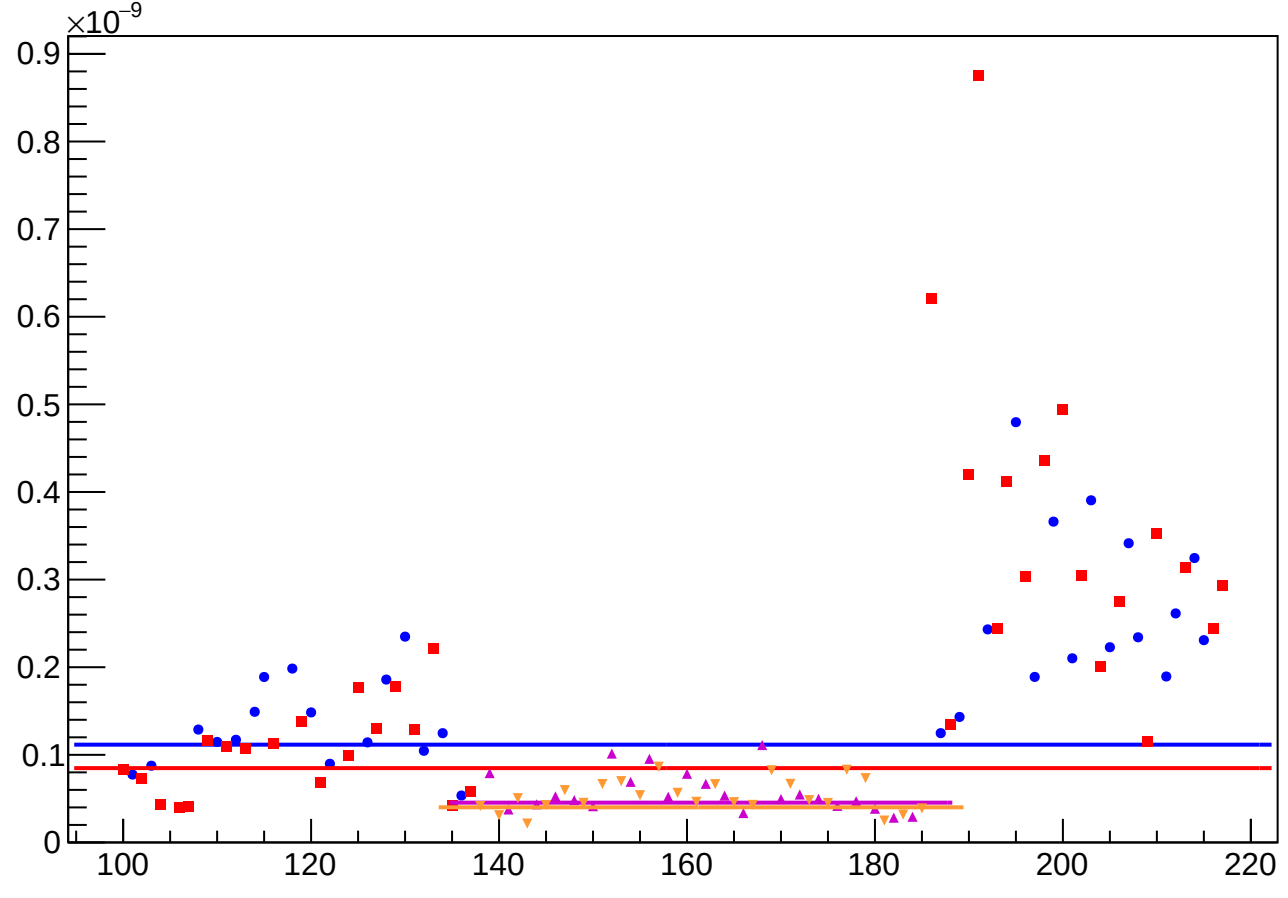
Right: 0.000+/-0.000 χ^2/NDF: 64.0/66

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:74.4/60

All: 0.000+/-0.000 χ^2/NDF: 123.9/114

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6898634.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10027189.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

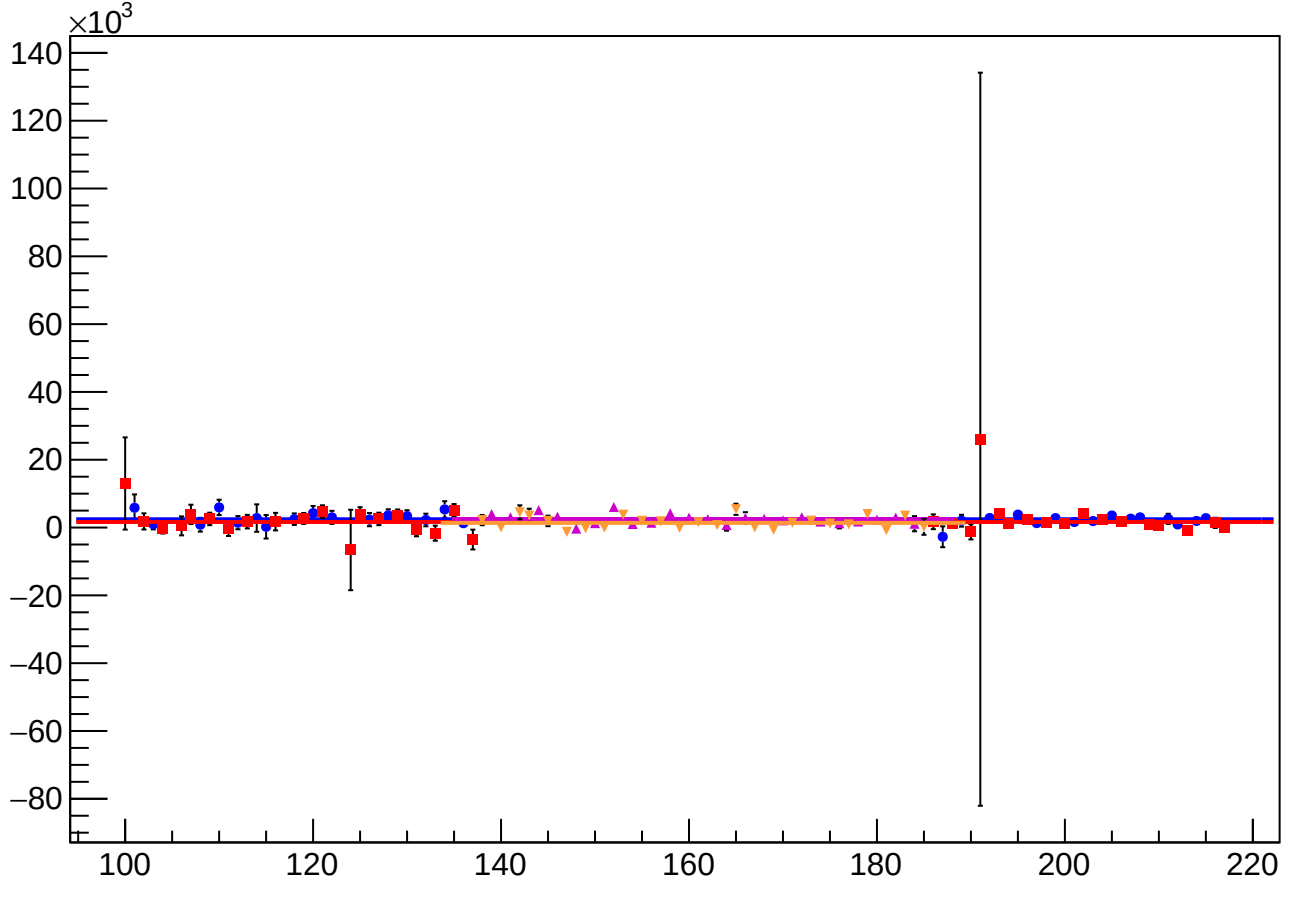
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17491396.2/66

In: 0.000+/-0.000 χ^2/NDF:14838485.8/53

Out: 0.000+/-0.000 χ^2/NDF:17053044.0/60

All: 0.000+/-0.000 χ^2/NDF: 32203623.8/114



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: 1648.627+/-292.470 χ^2/NDF: 34.4/35

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

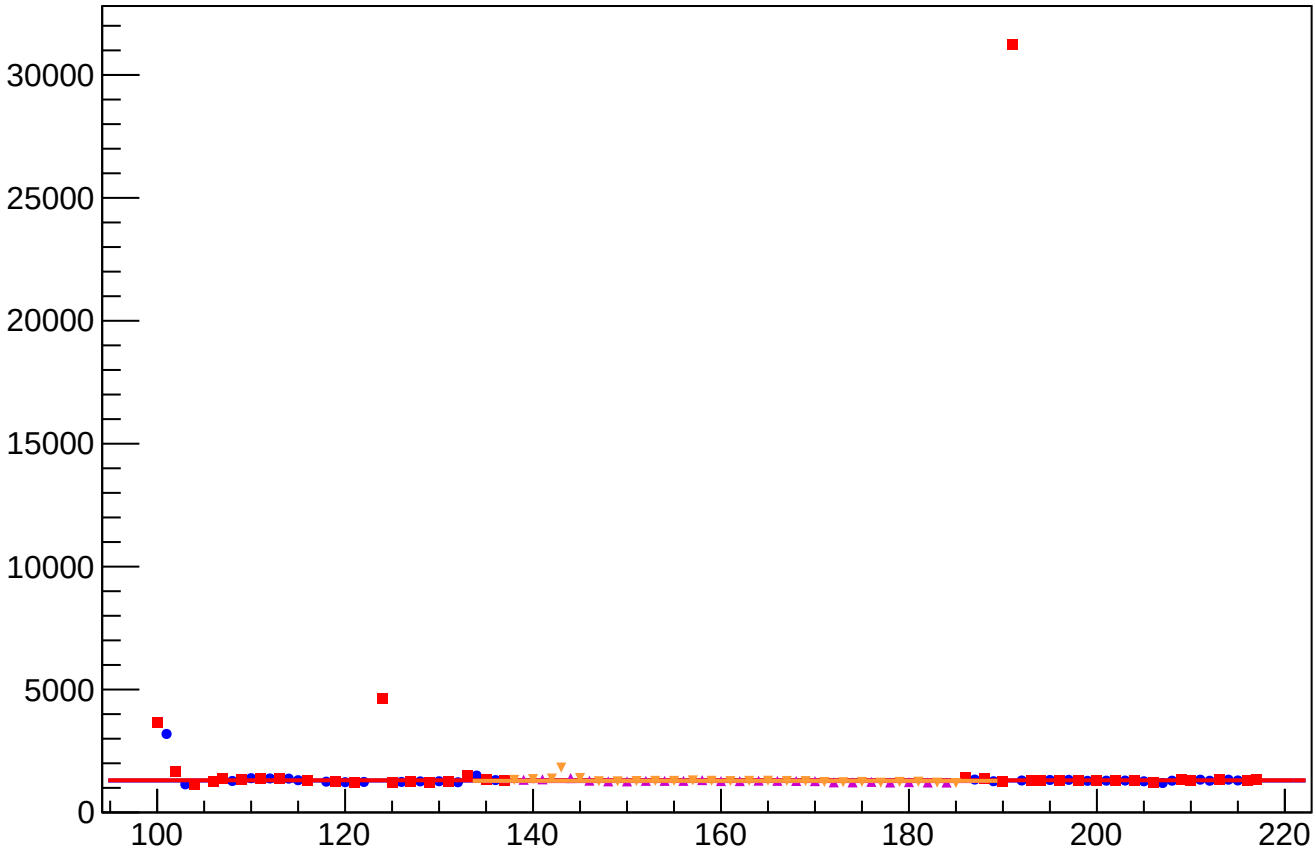
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2037.406+/-208.636 χ^2/NDF: 54.3/66

In: 2479.755+/-210.649 χ^2/NDF:38.8/53

Out: 1516.079+/-206.916 χ^2/NDF:67.7/60

All: 1989.301+/-147.614 χ^2/NDF: 117.2/114



Right In: 1297.996+/-0.211 χ^2/NDF: 534868.5/30

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1308.532+/-0.207 χ^2/NDF: 506768.8/35

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

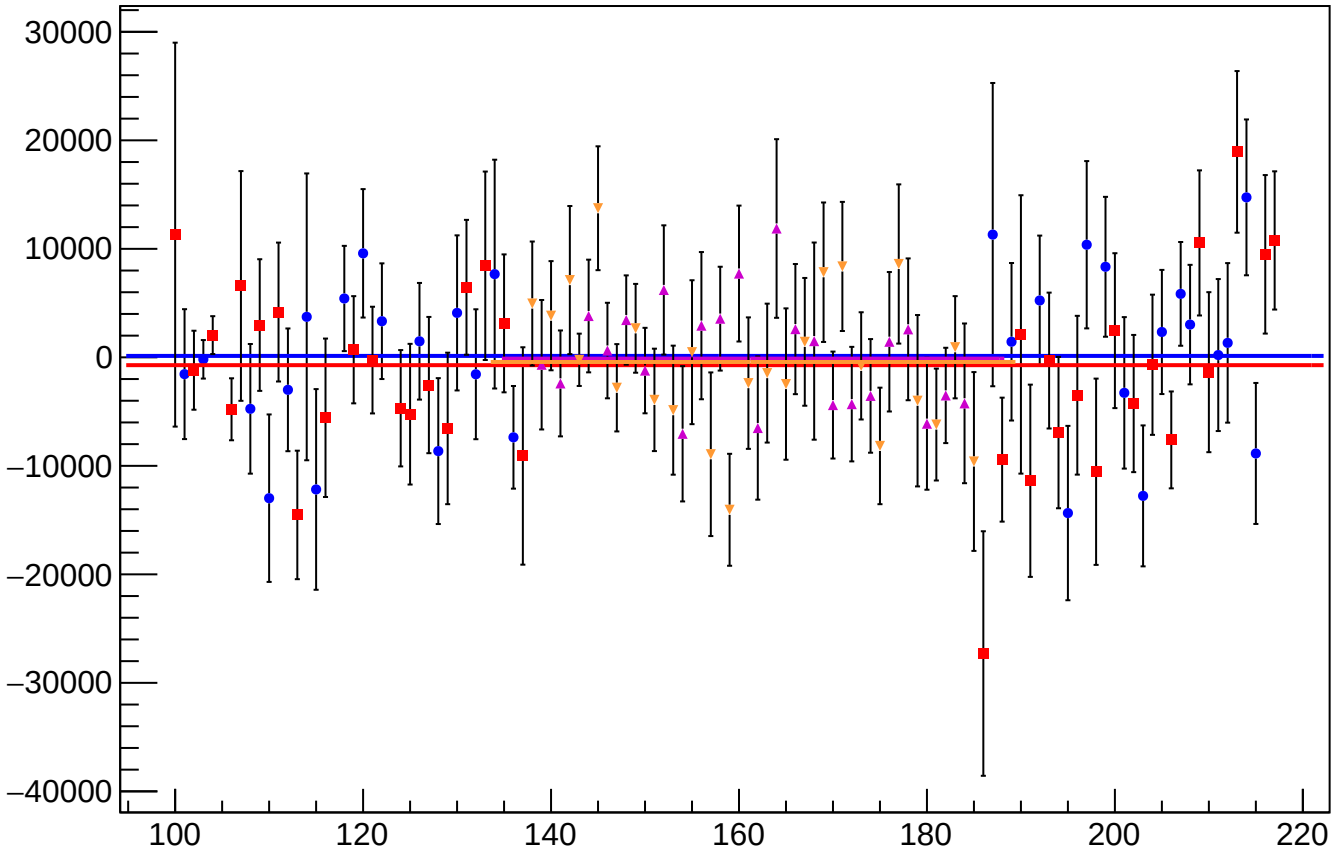
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1303.363+/-0.147 χ^2/NDF: 1042913.2/66

In: 1286.983+/-0.149 χ^2/NDF:581748.8/53

Out: 1297.114+/-0.146 χ^2/NDF:703917.2/60

All: 1292.141+/-0.104 χ^2/NDF: 1288021.5/11



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: -720.893+/-892.903 χ^2/NDF: 47.3/35

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

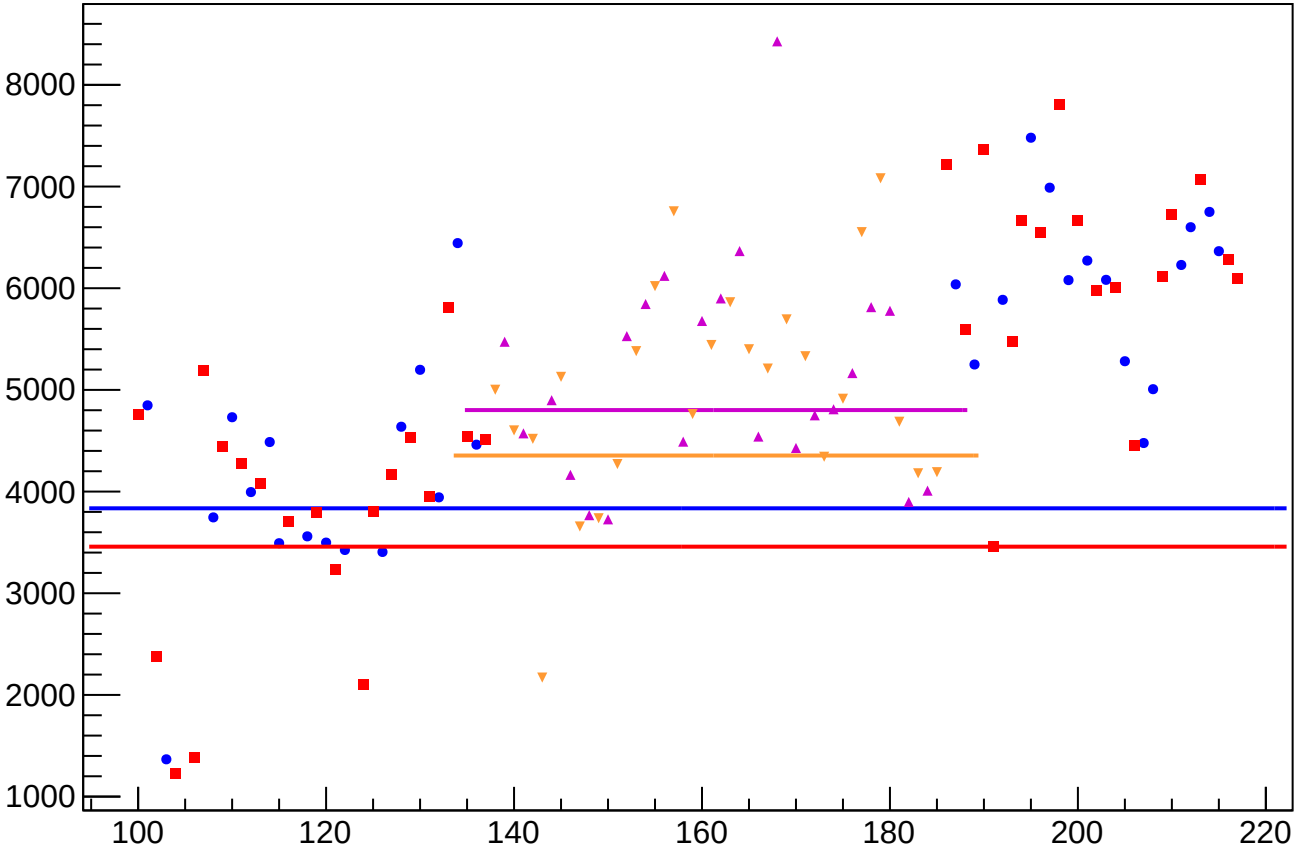
Right: -333.246+/-659.529 χ^2/NDF: 83.0/66

In: 25.999+/-743.734 χ^2/NDF:48.9/53

Out: -596.563+/-676.925 χ^2/NDF:77.2/60

All: -314.495+/-500.615 χ^2/NDF: 126.4/114

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



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: 3458.180+/-0.631 χ^2/NDF: 10265796.2/35

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

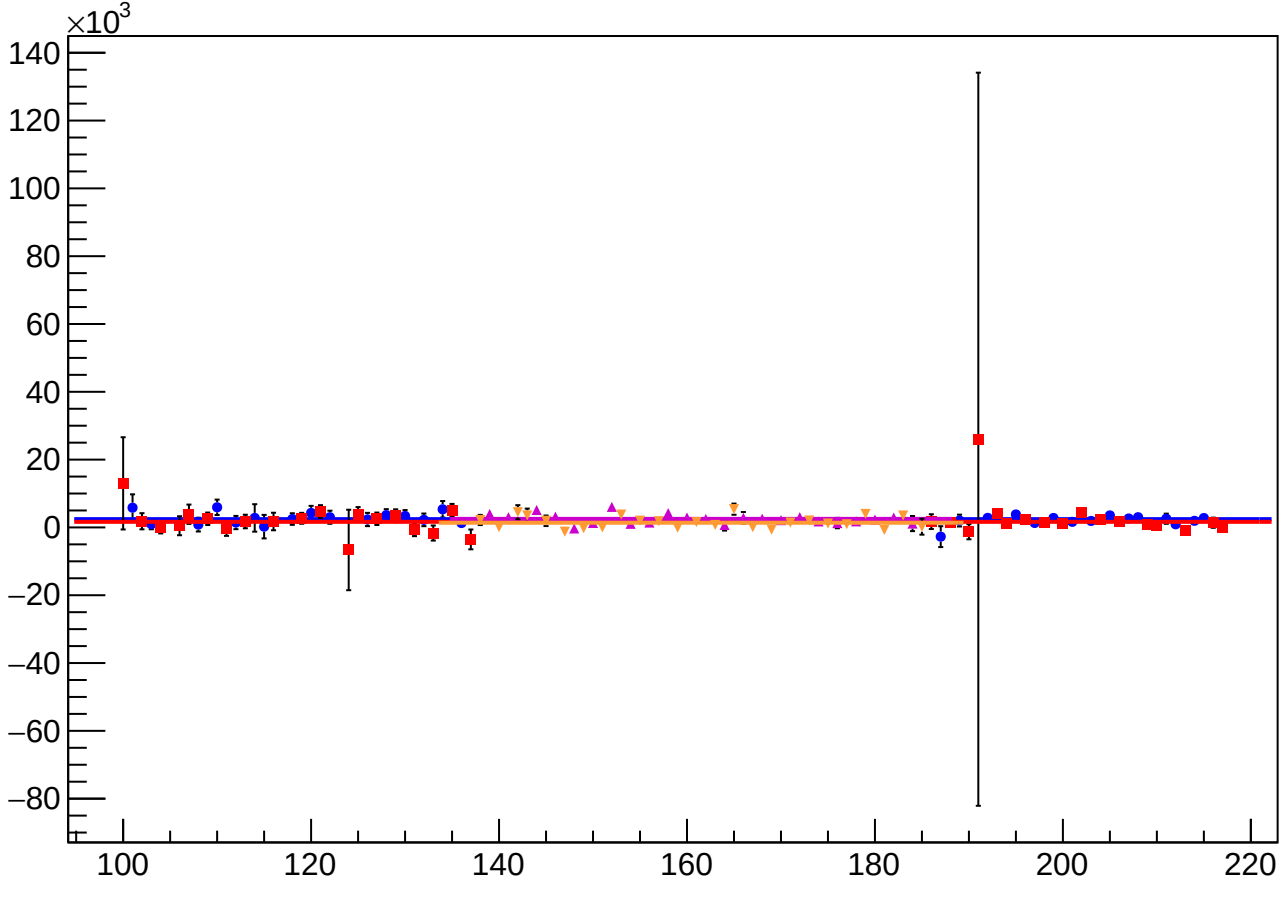
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3629.617+/-0.466 χ^2/NDF: 17921577.5/66

In: 4243.288+/-0.526 χ^2/NDF:9548682.1/53

Out: 3839.359+/-0.479 χ^2/NDF:14194324.4/60

All: 4022.370+/-0.354 χ^2/NDF: 24065654.8/



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: 1648.549+/-292.470 χ^2/NDF: 34.4/35

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

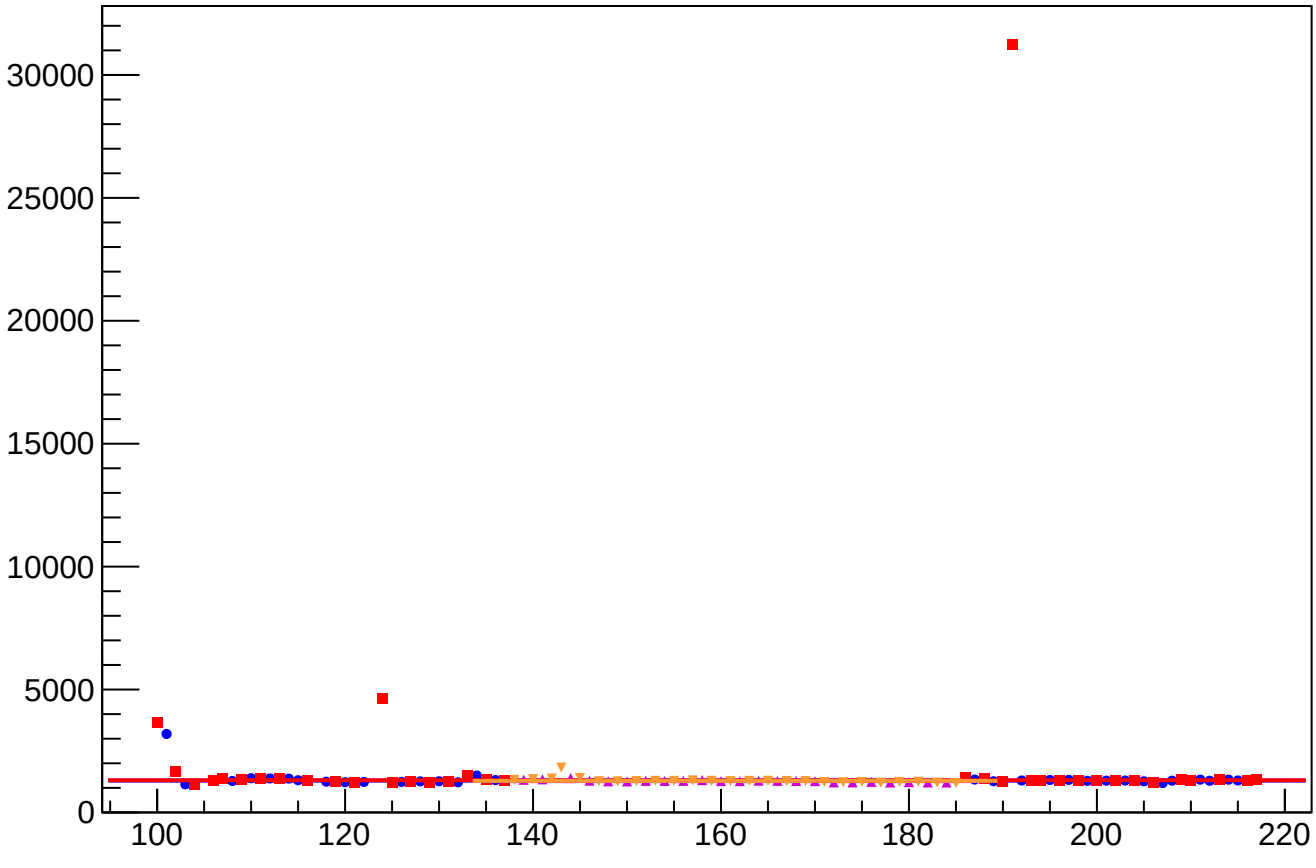
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2037.322+/-208.636 χ^2/NDF: 54.3/66

In: 2479.709+/-210.649 χ^2/NDF:38.8/53

Out: 1516.008+/-206.916 χ^2/NDF:67.8/60

All: 1989.242+/-147.614 χ^2/NDF: 117.2/114



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: 1308.924+/-0.207 χ^2/NDF: 506420.0/35

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

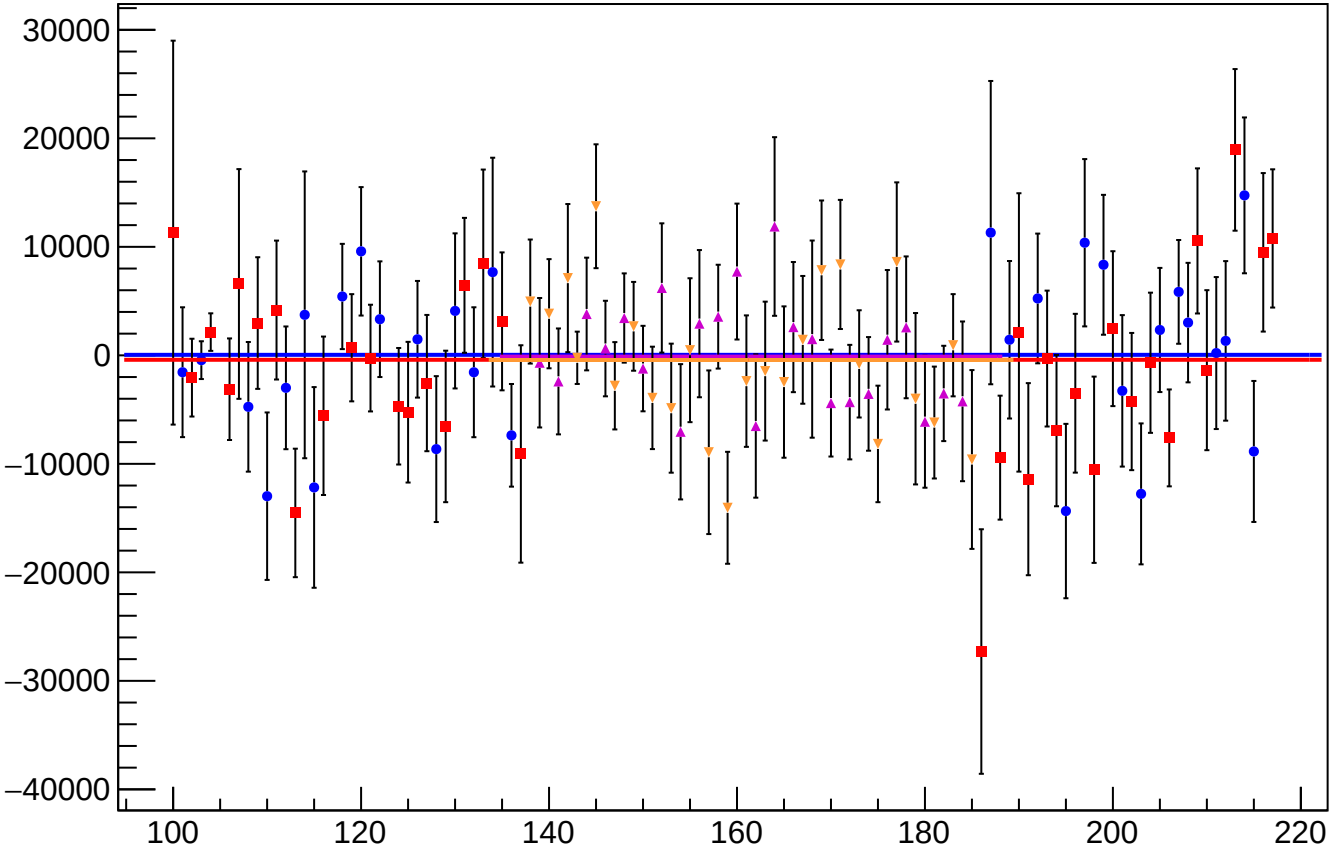
Right: 1303.561+/-0.147 χ^2/NDF: 1042662.2/66

In: 1286.983+/-0.149 χ^2/NDF:581750.3/53

Out: 1297.306+/-0.146 χ^2/NDF:703777.8/60

All: 1292.239+/-0.104 χ^2/NDF: 1287973.8/11

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: -409.789+/-918.349 χ^2/NDF: 45.8/35

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

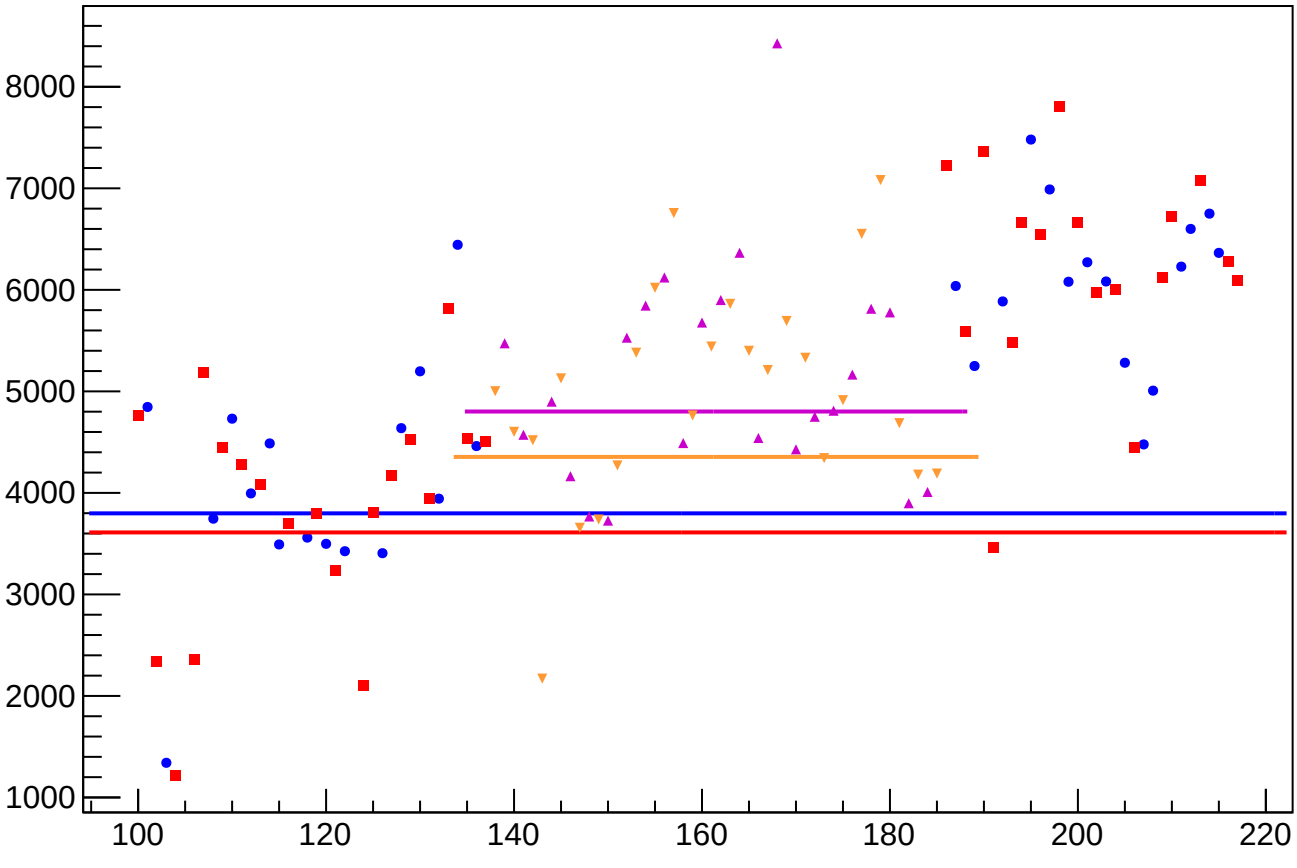
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -194.484+/-667.726 χ^2/NDF: 81.2/66

In: -22.719+/-741.186 χ^2/NDF:48.9/53

Out: -418.015+/-687.812 χ^2/NDF:75.6/60

All: -235.111+/-504.171 χ^2/NDF: 124.7/114



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: 3610.650+/-0.649 χ^2/NDF: 9382822.3/35

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

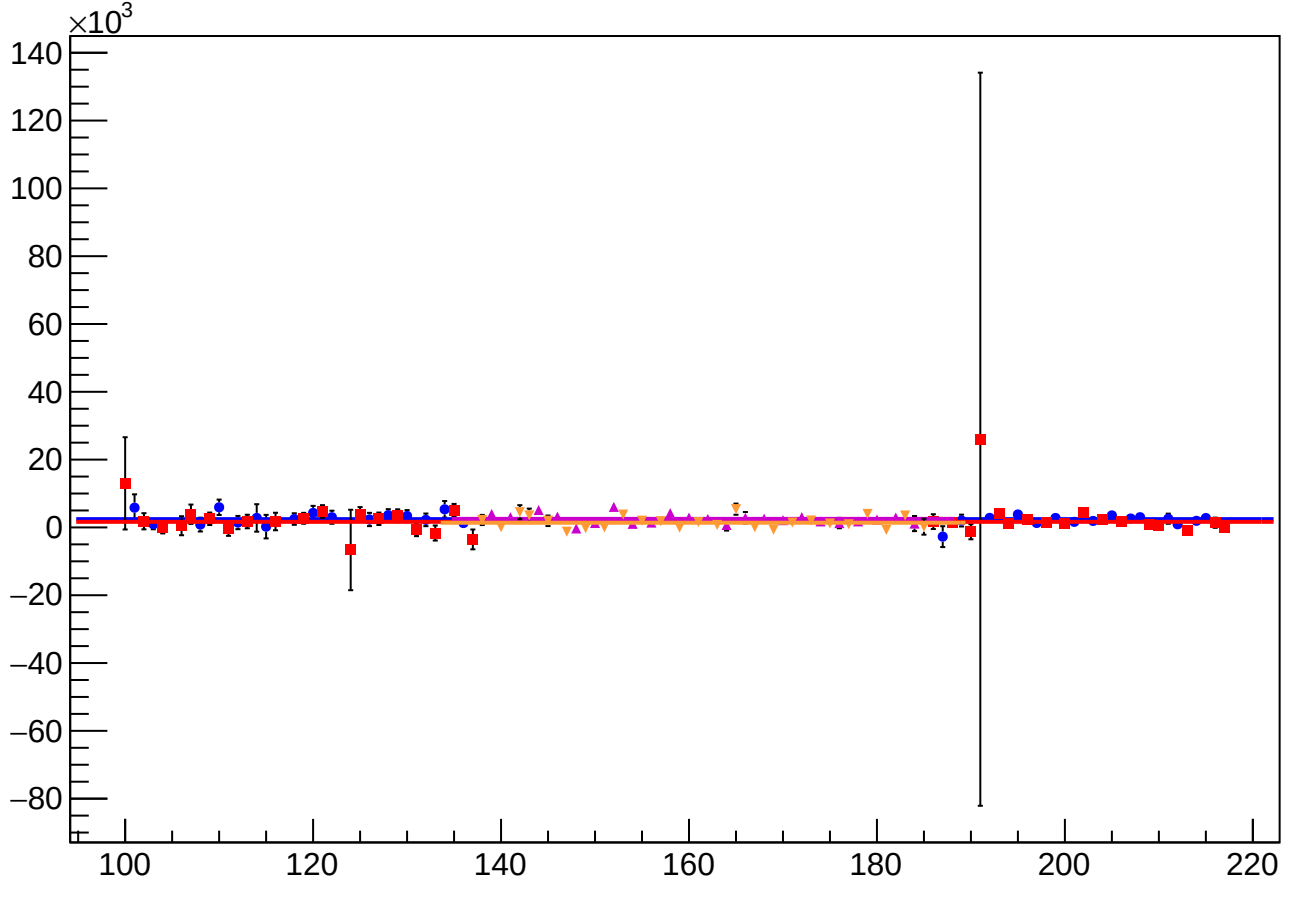
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3699.194+/-0.472 χ^2/NDF: 17146953.9/66

In: 4219.044+/-0.524 χ^2/NDF:9848433.1/53

Out: 3937.243+/-0.486 χ^2/NDF:13030470.5/60

All: 4067.632+/-0.357 χ^2/NDF: 23034241.7/1



Right In: 2440.154+/-297.711 χ^2/NDF: 16.3/30

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1648.549+/-292.470 χ^2/NDF: 34.4/35

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

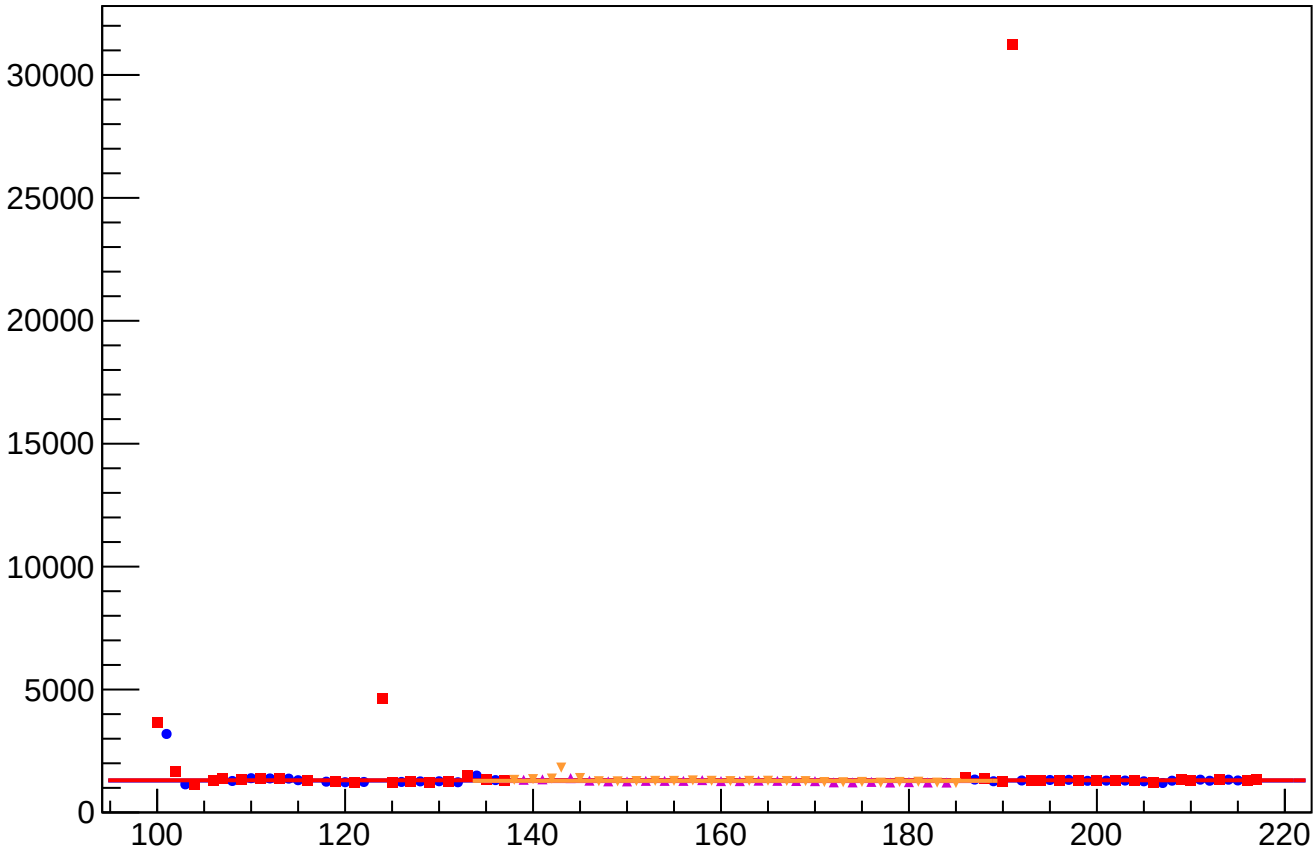
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2037.322+/-208.636 χ^2/NDF: 54.3/66

In: 2479.709+/-210.649 χ^2/NDF:38.8/53

Out: 1516.008+/-206.916 χ^2/NDF:67.8/60

All: 1989.242+/-147.614 χ^2/NDF: 117.2/114



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: 1308.924+/-0.207 χ^2/NDF: 506420.0/35

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

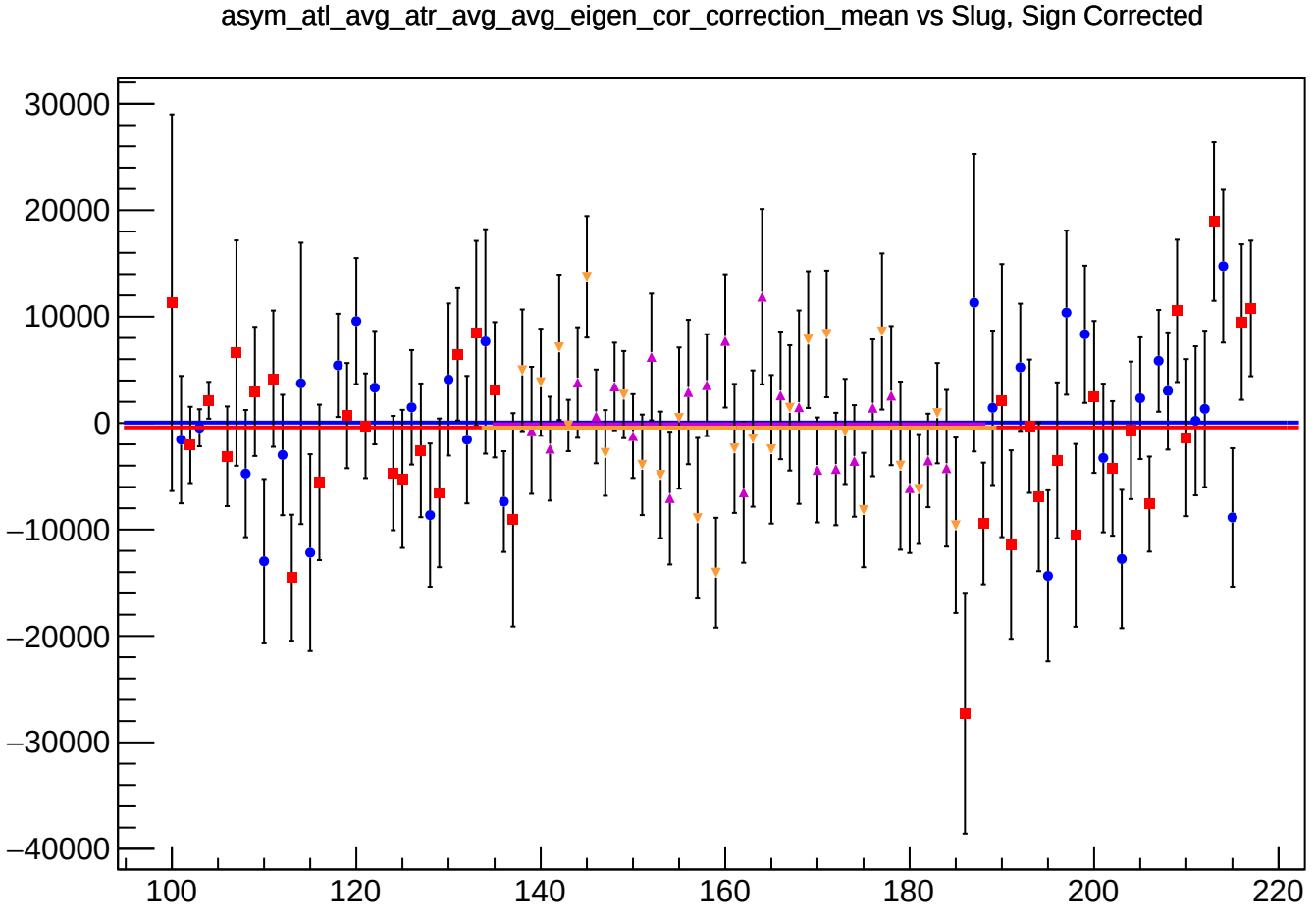
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1303.561+/-0.147 χ^2/NDF: 1042662.2/66

In: 1286.983+/-0.149 χ^2/NDF:581750.3/53

Out: 1297.306+/-0.146 χ^2/NDF:703777.8/60

All: 1292.239+/-0.104 χ^2/NDF: 1287973.8/11



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: -409.789+/-918.349 χ^2/NDF: 45.8/35

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

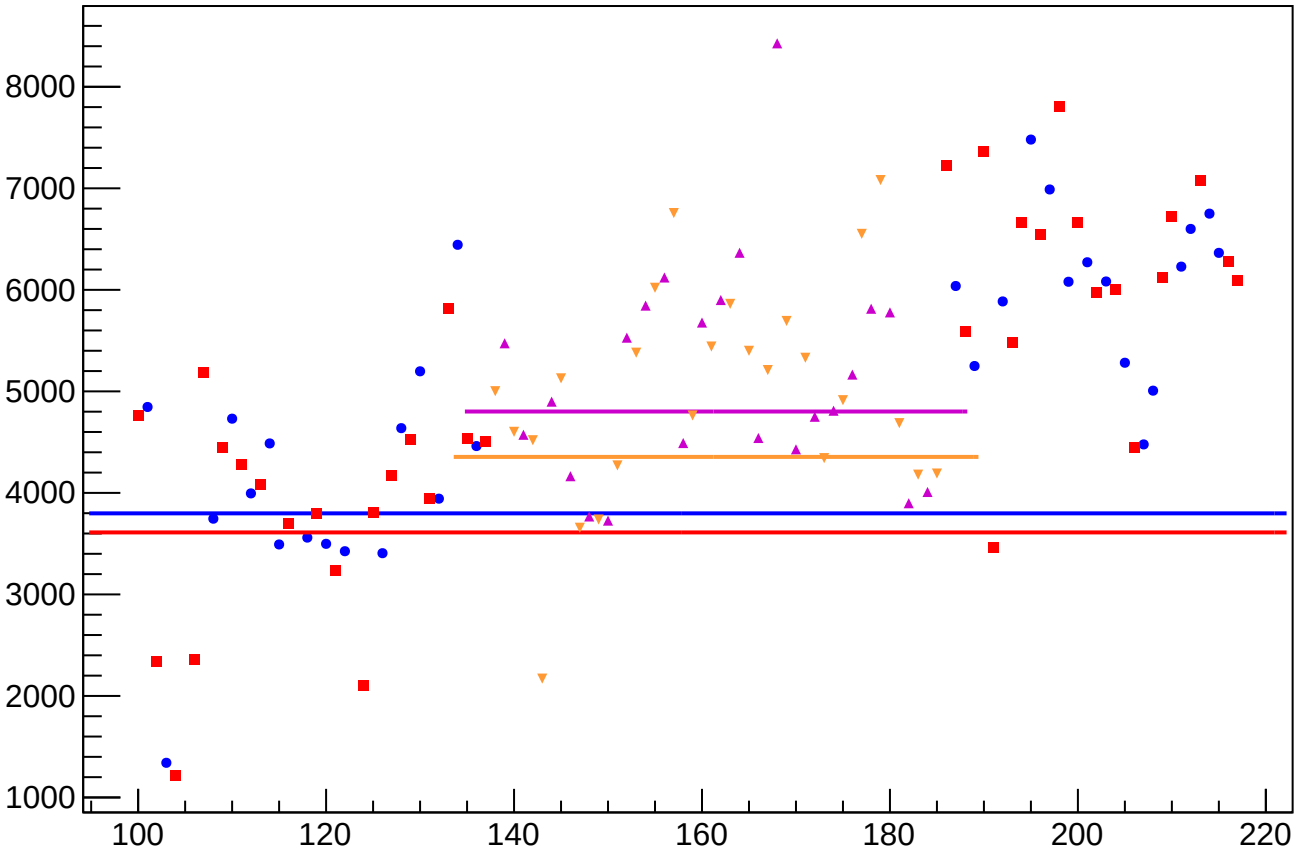
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -194.484+/-667.726 χ^2/NDF: 81.2/66

In: -22.719+/-741.186 χ^2/NDF:48.9/53

Out: -418.015+/-687.812 χ^2/NDF:75.6/60

All: -235.111+/-504.171 χ^2/NDF: 124.7/114



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: 3610.650+/-0.649 χ^2/NDF: 9382822.3/35

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

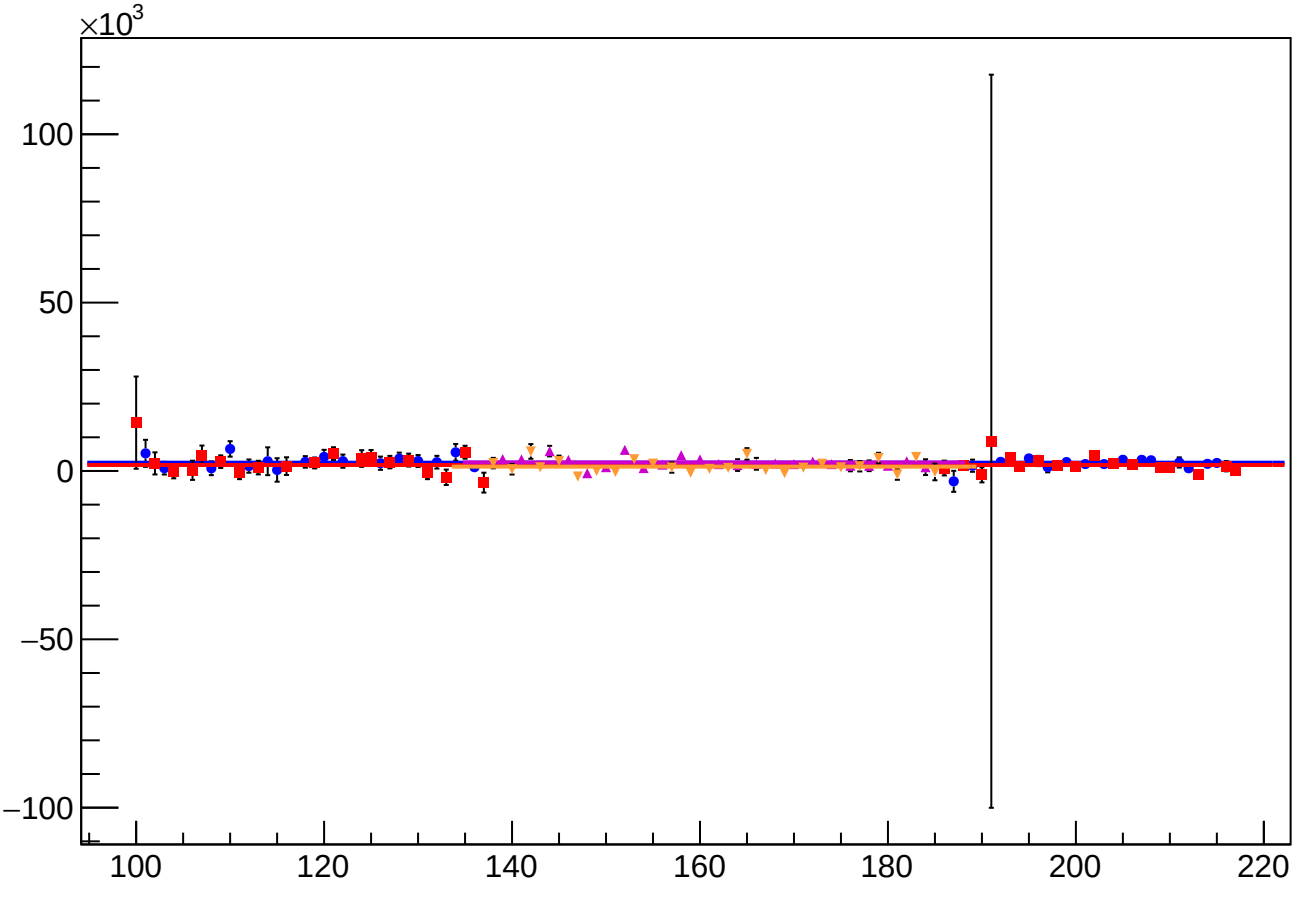
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3699.194+/-0.472 χ^2/NDF: 17146953.9/66

In: 4219.044+/-0.524 χ^2/NDF:9848433.1/53

Out: 3937.243+/-0.486 χ^2/NDF:13030470.5/60

All: 4067.632+/-0.357 χ^2/NDF: 23034241.7/1



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: 1778.035+/-298.285 χ^2/NDF: 36.0/35

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

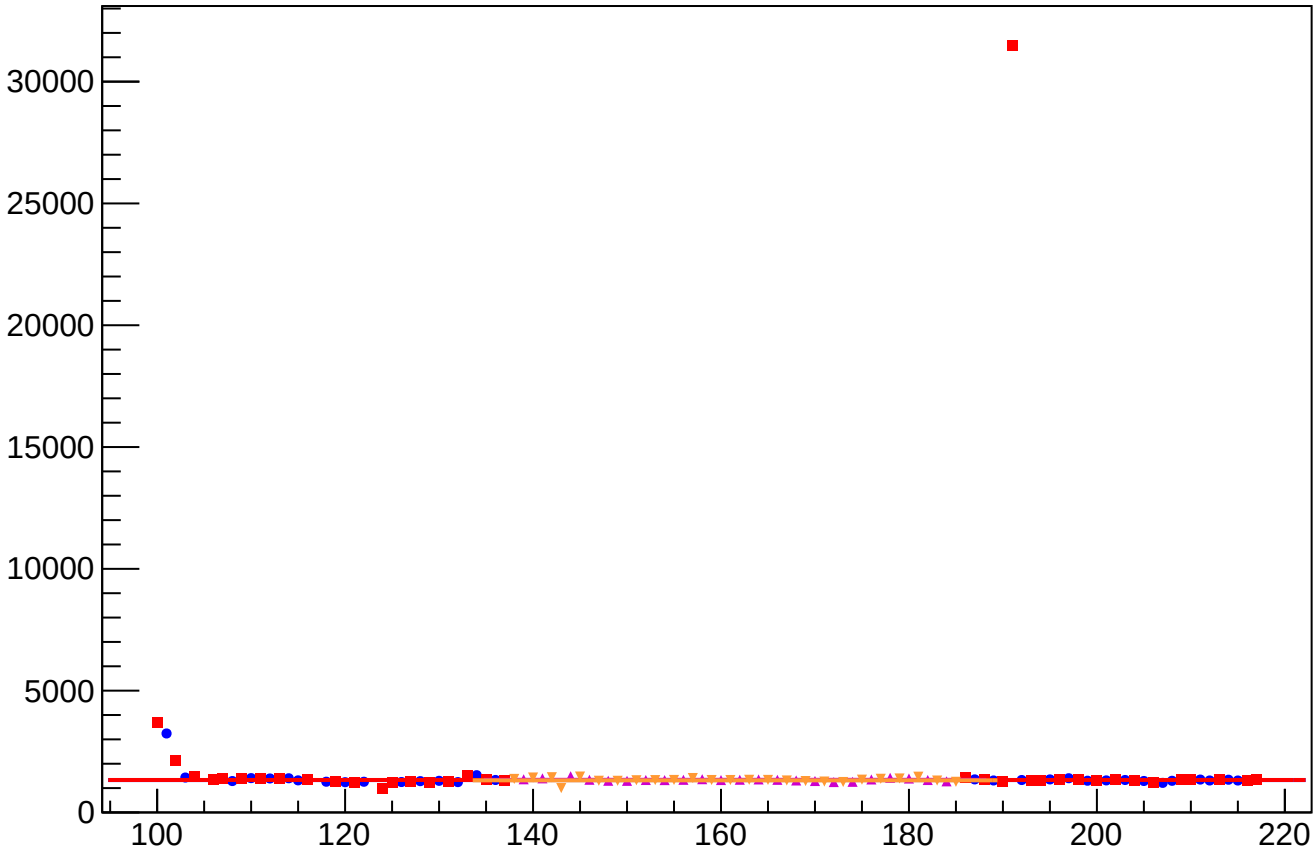
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2112.062+/-213.238 χ^2/NDF: 55.6/66

In: 2495.587+/-218.386 χ^2/NDF:42.0/53

Out: 1533.079+/-211.708 χ^2/NDF:70.8/60

All: 1999.392+/-152.006 χ^2/NDF: 122.8/114



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: 1333.281+/-0.211 χ^2/NDF: 448756.3/35

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

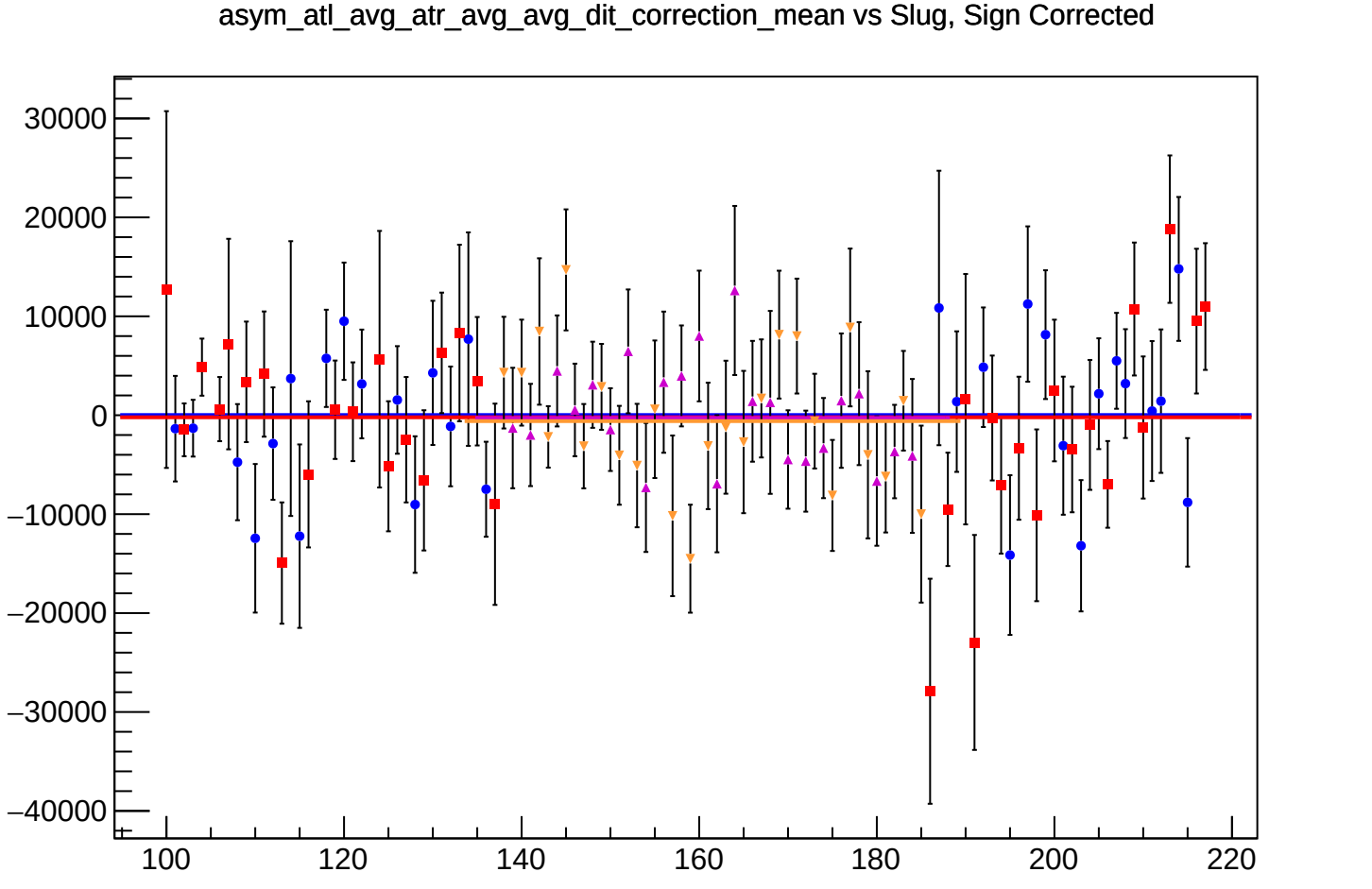
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1331.386+/-0.151 χ^2/NDF: 972331.2/66

In: 1333.886+/-0.154 χ^2/NDF:578544.5/53

Out: 1325.786+/-0.150 χ^2/NDF:699850.1/60

All: 1329.710+/-0.107 χ^2/NDF: 1279813.2/11



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: -208.133+/-978.160 χ^2/NDF: 48.7/35

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

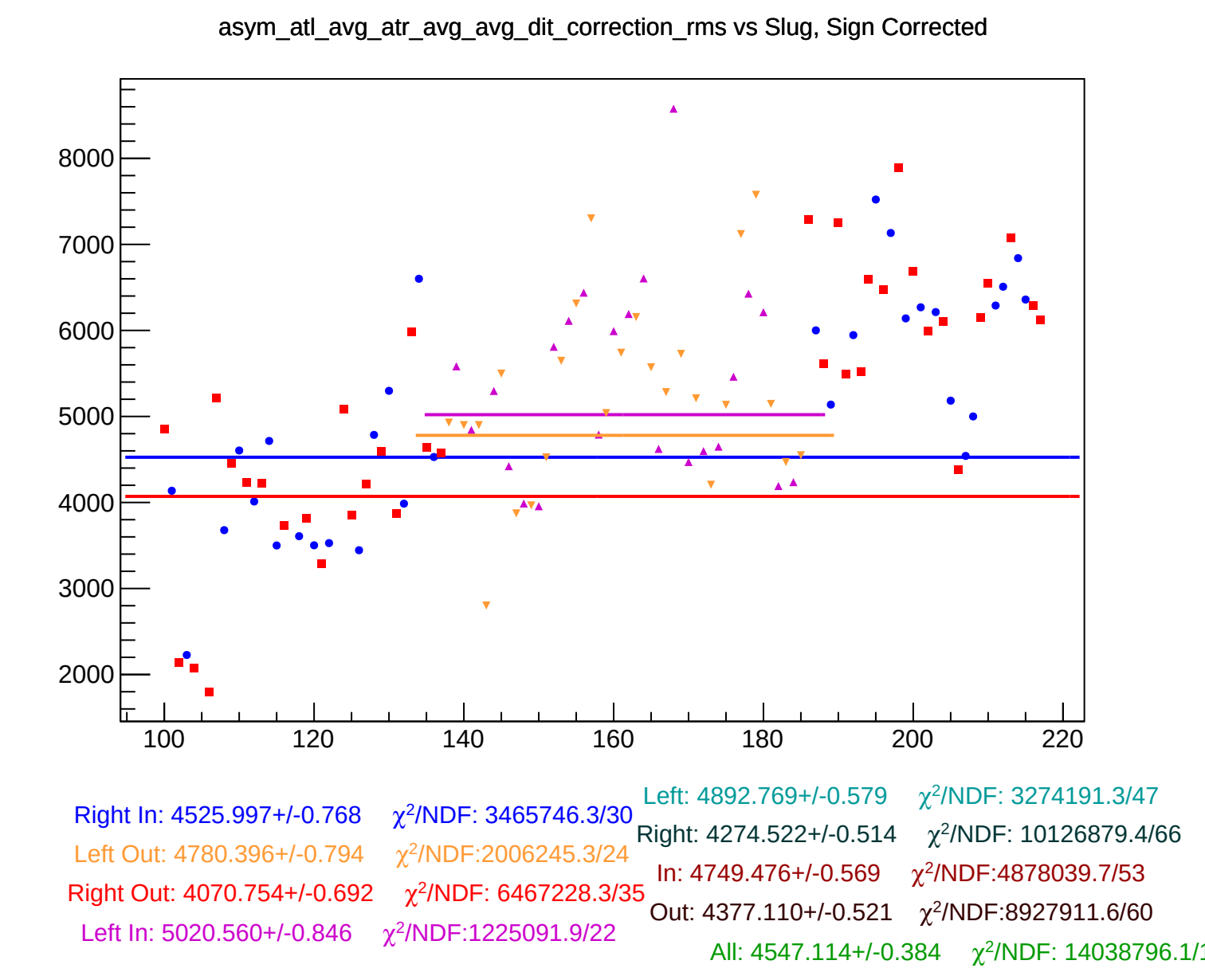
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

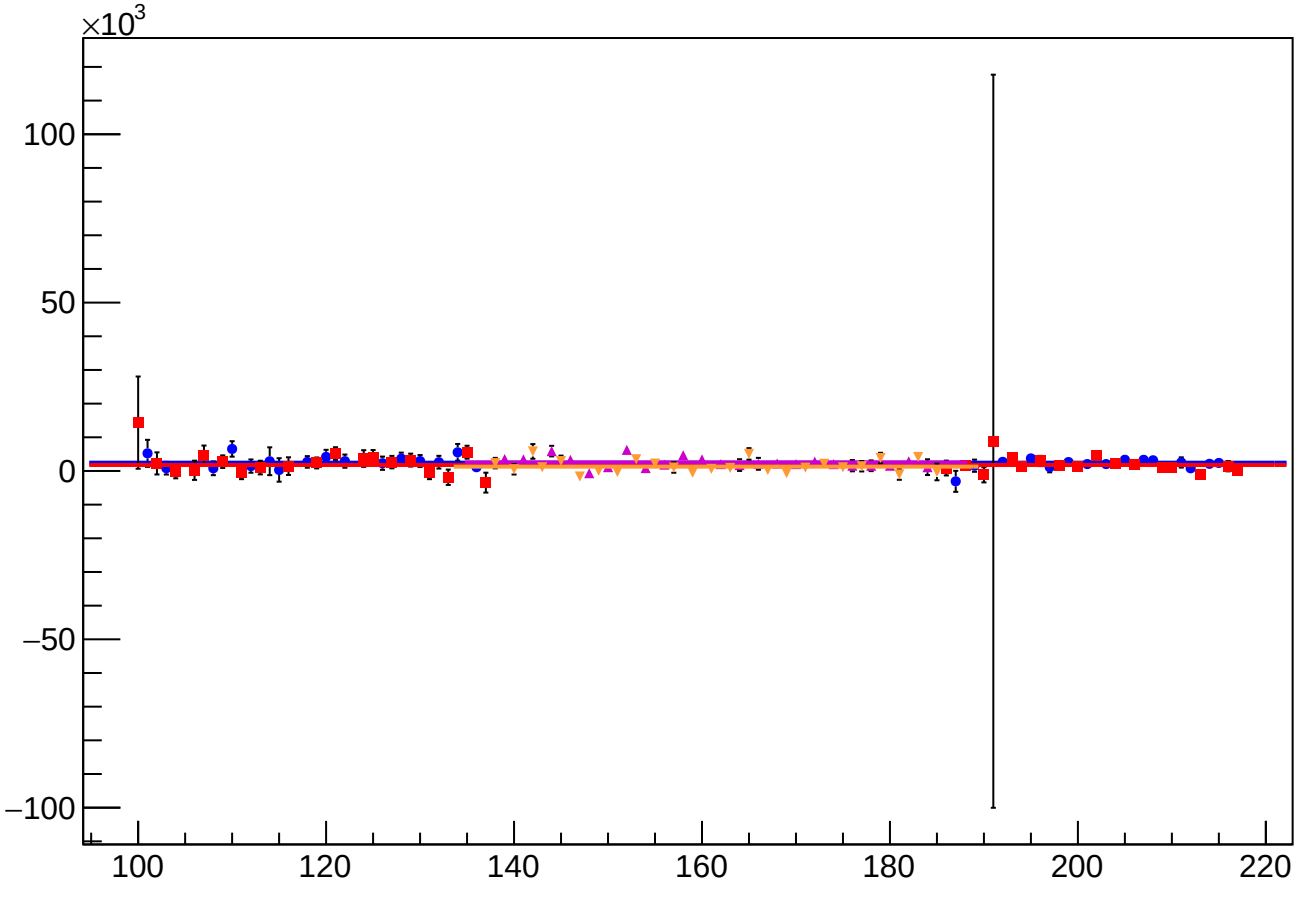
Right: -106.402+/-727.002 χ^2/NDF: 83.8/66

In: -112.828+/-804.508 χ^2/NDF:48.5/53

Out: -375.109+/-737.390 χ^2/NDF:78.3/60

All: -255.364+/-543.596 χ^2/NDF: 126.8/114


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4525.997+/-0.768 χ²/NDF: 3465746.3/30
Left Out: 4780.396+/-0.794 χ²/NDF:2006245.3/24
Right Out: 4070.754+/-0.692 χ²/NDF: 6467228.3/35
Left In: 5020.560+/-0.846 χ²/NDF:1225091.9/22
Left: 4892.769+/-0.579 χ²/NDF: 3274191.3/47
Right: 4274.522+/-0.514 χ²/NDF: 10126879.4/66
In: 4749.476+/-0.569 χ²/NDF:4878039.7/53
Out: 4377.110+/-0.521 χ²/NDF:8927911.6/60
All: 4547.114+/-0.384 χ²/NDF: 14038796.1/



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: 1778.034+/-298.284 χ^2/NDF: 36.0/35

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

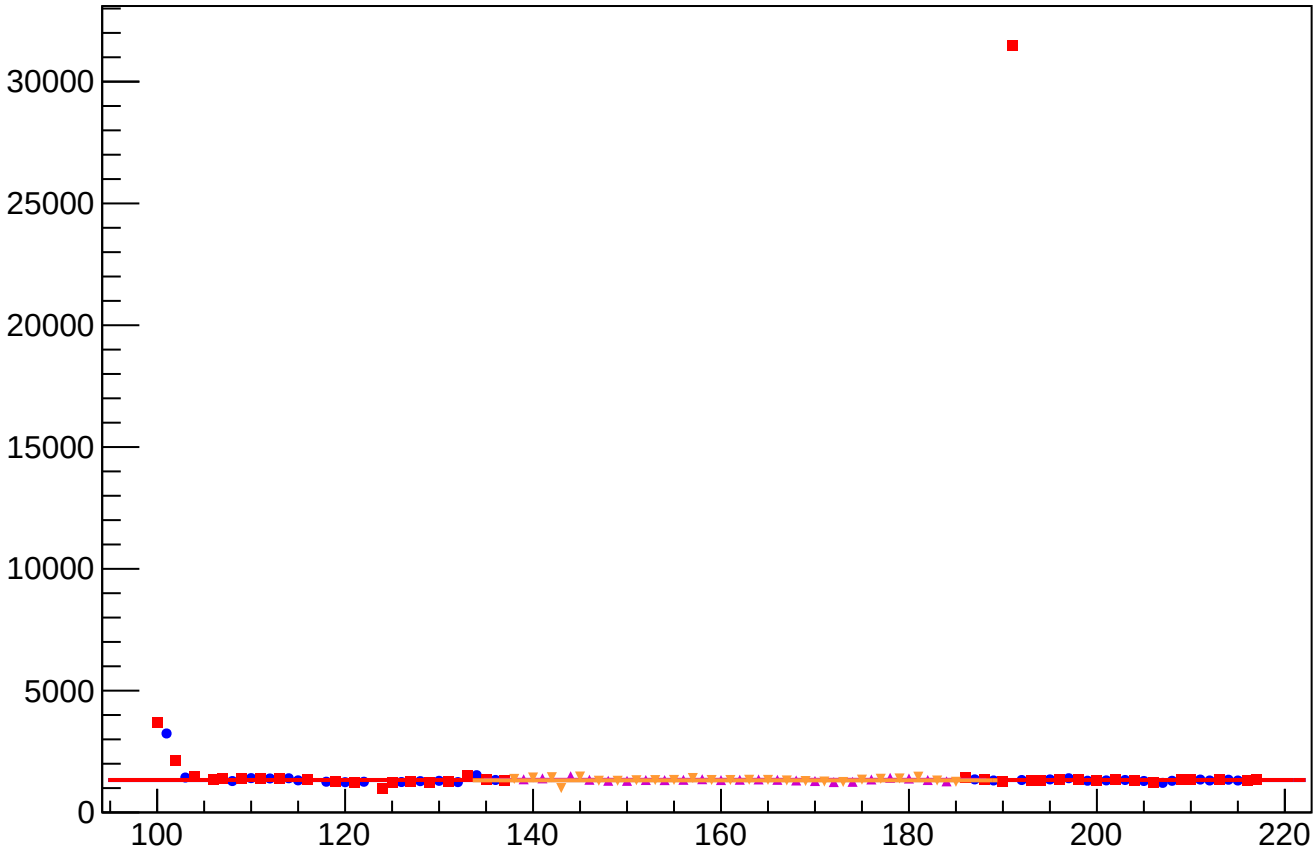
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2112.060+/-213.238 χ^2/NDF: 55.6/66

In: 2495.586+/-218.386 χ^2/NDF:42.0/53

Out: 1533.076+/-211.708 χ^2/NDF:70.8/60

All: 1999.390+/-152.006 χ^2/NDF: 122.8/114



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: 1333.280+/-0.211 χ^2/NDF: 448755.3/35

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

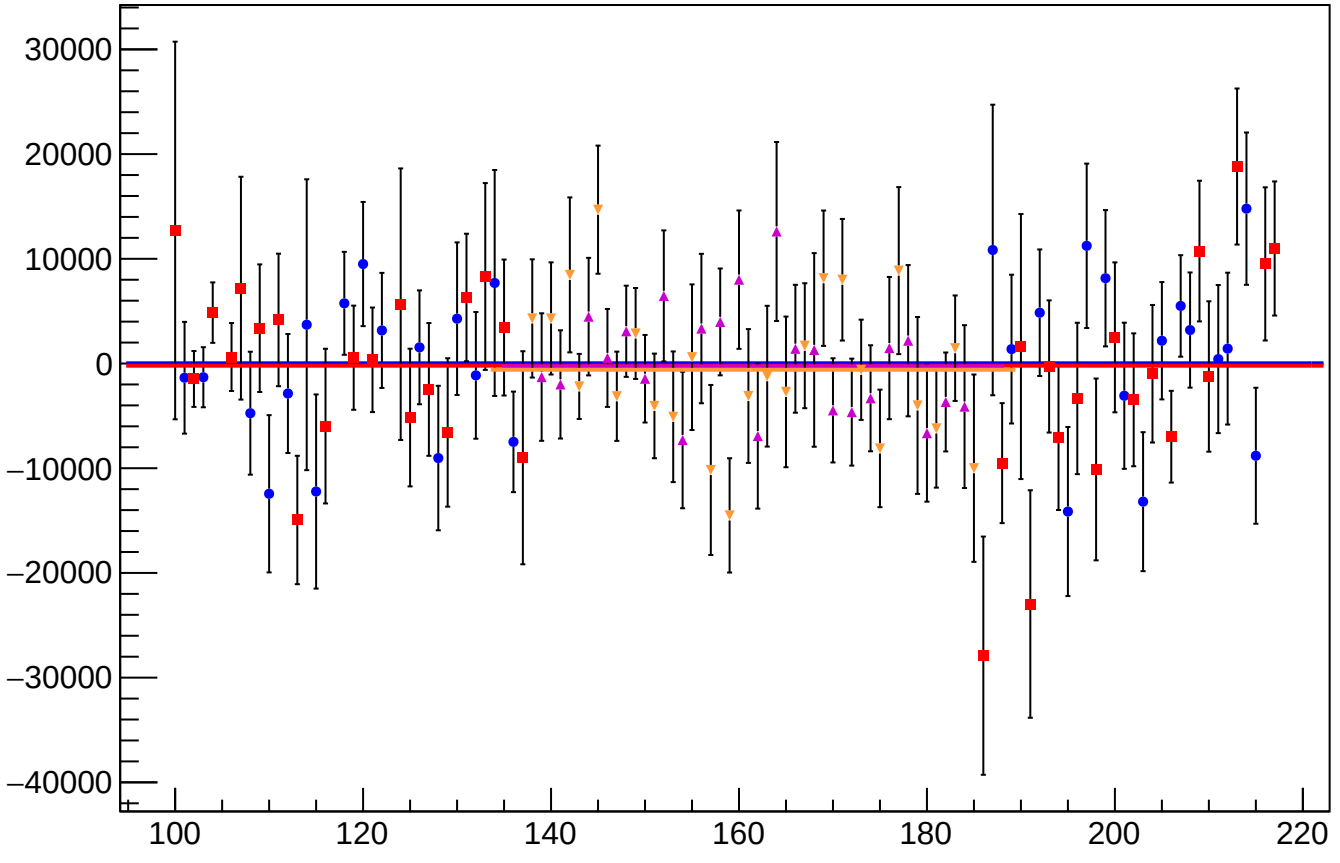
Right: 1331.386+/-0.151 χ^2/NDF: 972330.4/66

In: 1333.887+/-0.154 χ^2/NDF:578547.5/53

Out: 1325.786+/-0.150 χ^2/NDF:699851.1/60

All: 1329.710+/-0.107 χ^2/NDF: 1279817.2/11

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: -208.130+/-978.159 χ^2/NDF: 48.7/35

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

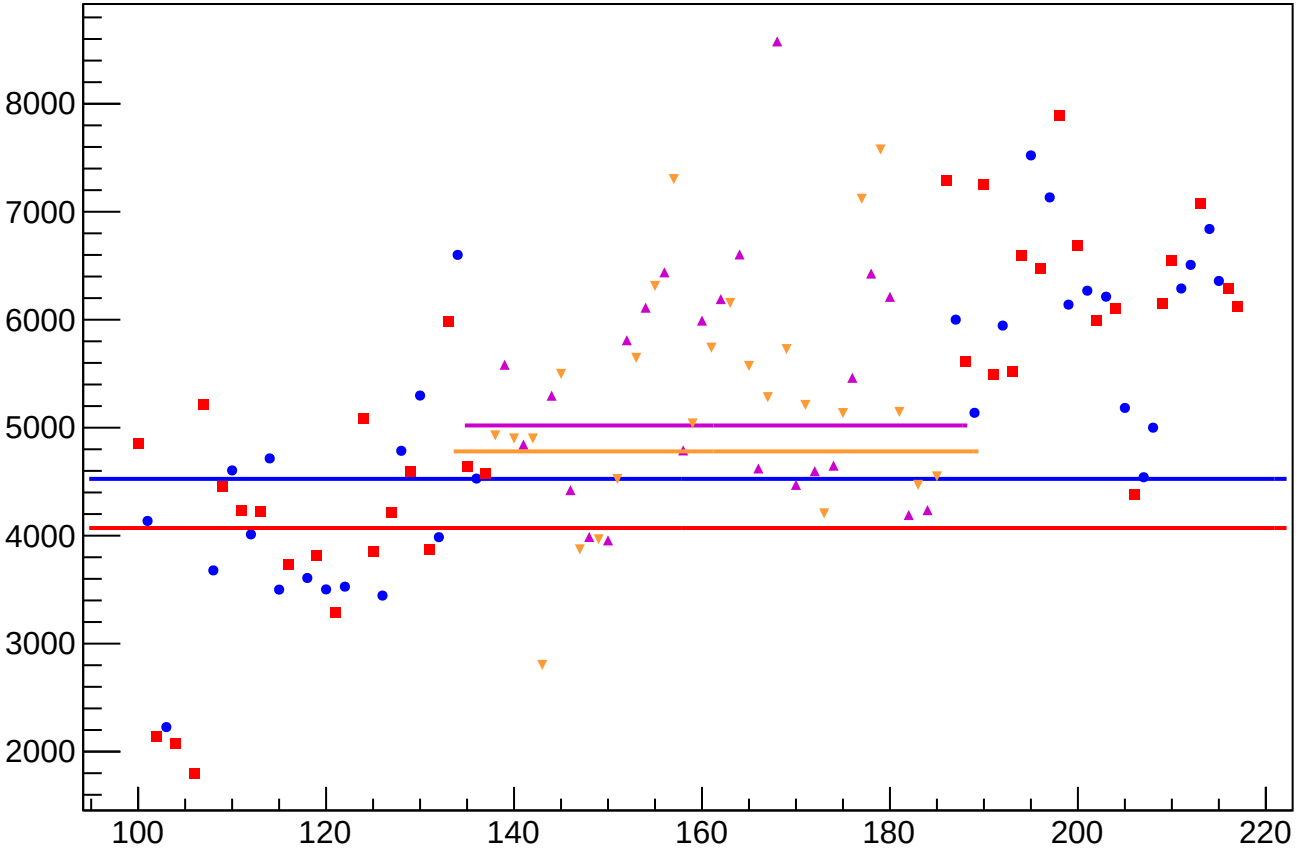
Right: -106.400+/-727.001 χ^2/NDF: 83.8/66

In: -112.827+/-804.509 χ^2/NDF:48.5/53

Out: -375.108+/-737.390 χ^2/NDF:78.3/60

All: -255.363+/-543.596 χ^2/NDF: 126.8/114

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 4070.746+/-0.692 χ^2/NDF: 6467276.1/35

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

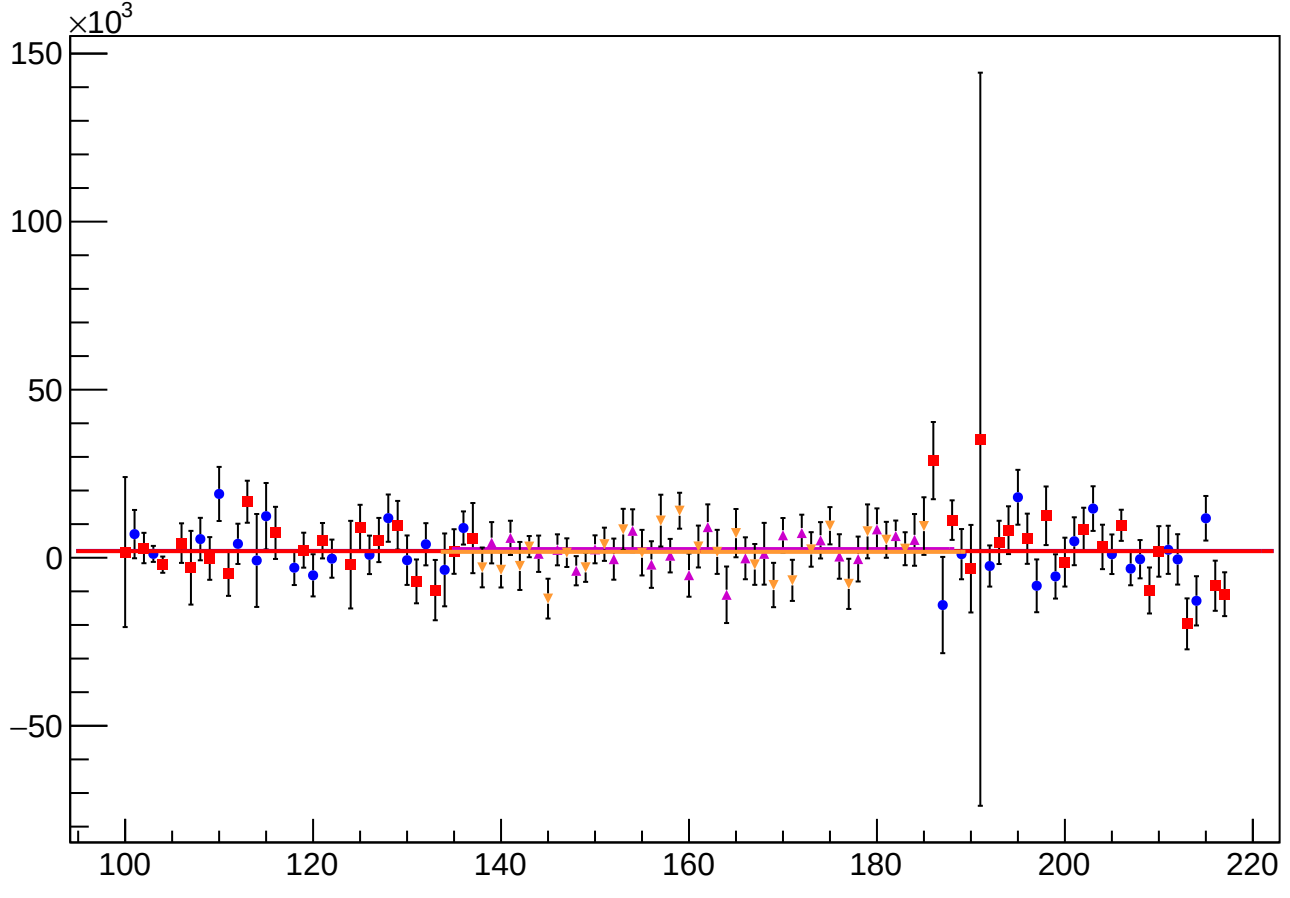
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 4274.515+/-0.514 χ^2/NDF: 10126967.0/66

In: 4749.476+/-0.569 χ^2/NDF:4878090.2/53

Out: 4377.107+/-0.521 χ^2/NDF:8927980.8/60

All: 4547.113+/-0.384 χ^2/NDF: 14038918.4/1



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: 1960.372+/-1061.698 χ^2/NDF: 48.5/35

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

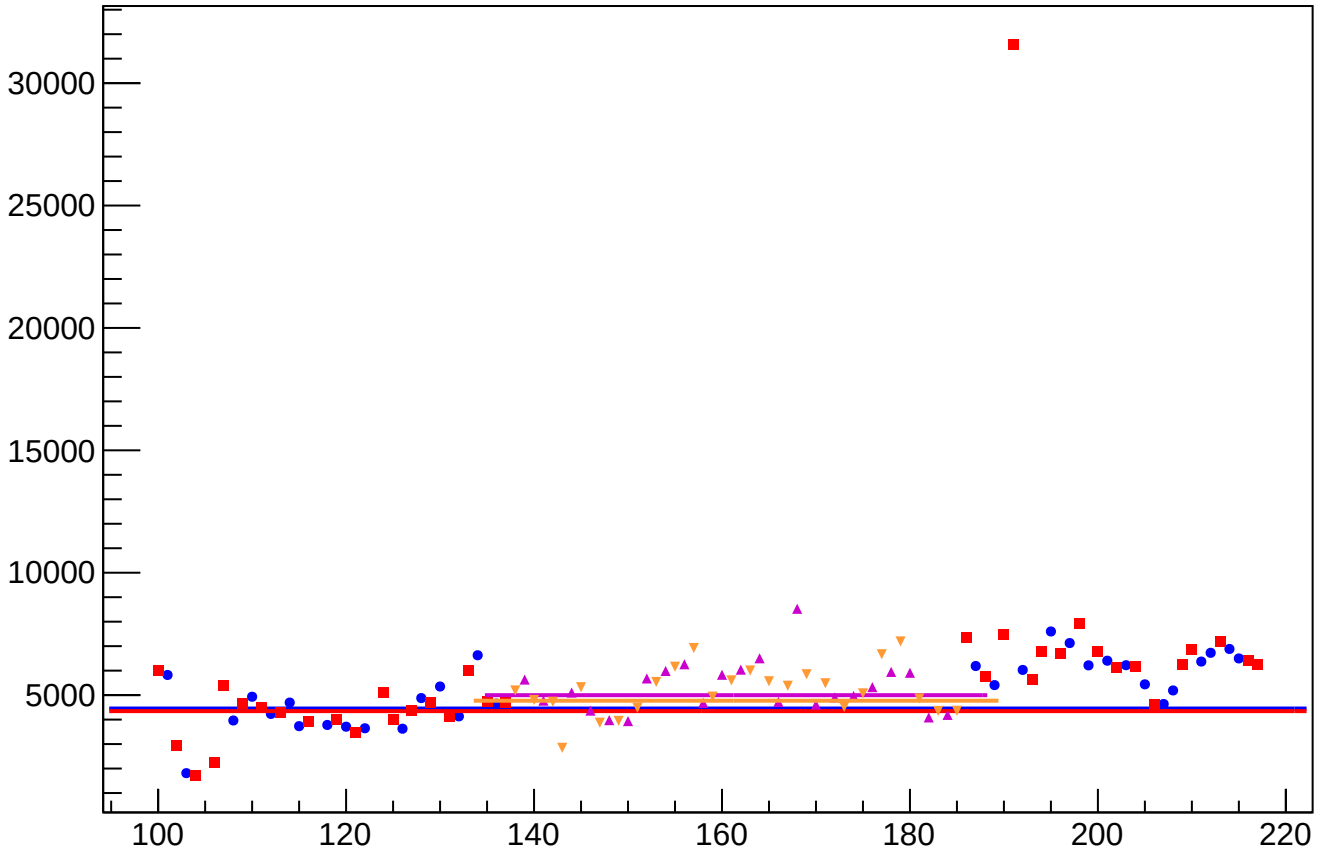
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 1993.191+/-760.219 χ^2/NDF: 82.2/66

In: 2279.785+/-802.918 χ^2/NDF:47.0/53

Out: 1866.000+/-769.291 χ^2/NDF:76.2/60

All: 2064.046+/-555.478 χ^2/NDF: 123.4/114



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: 4345.903+/-0.744 χ^2/NDF: 6041346.2/35

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

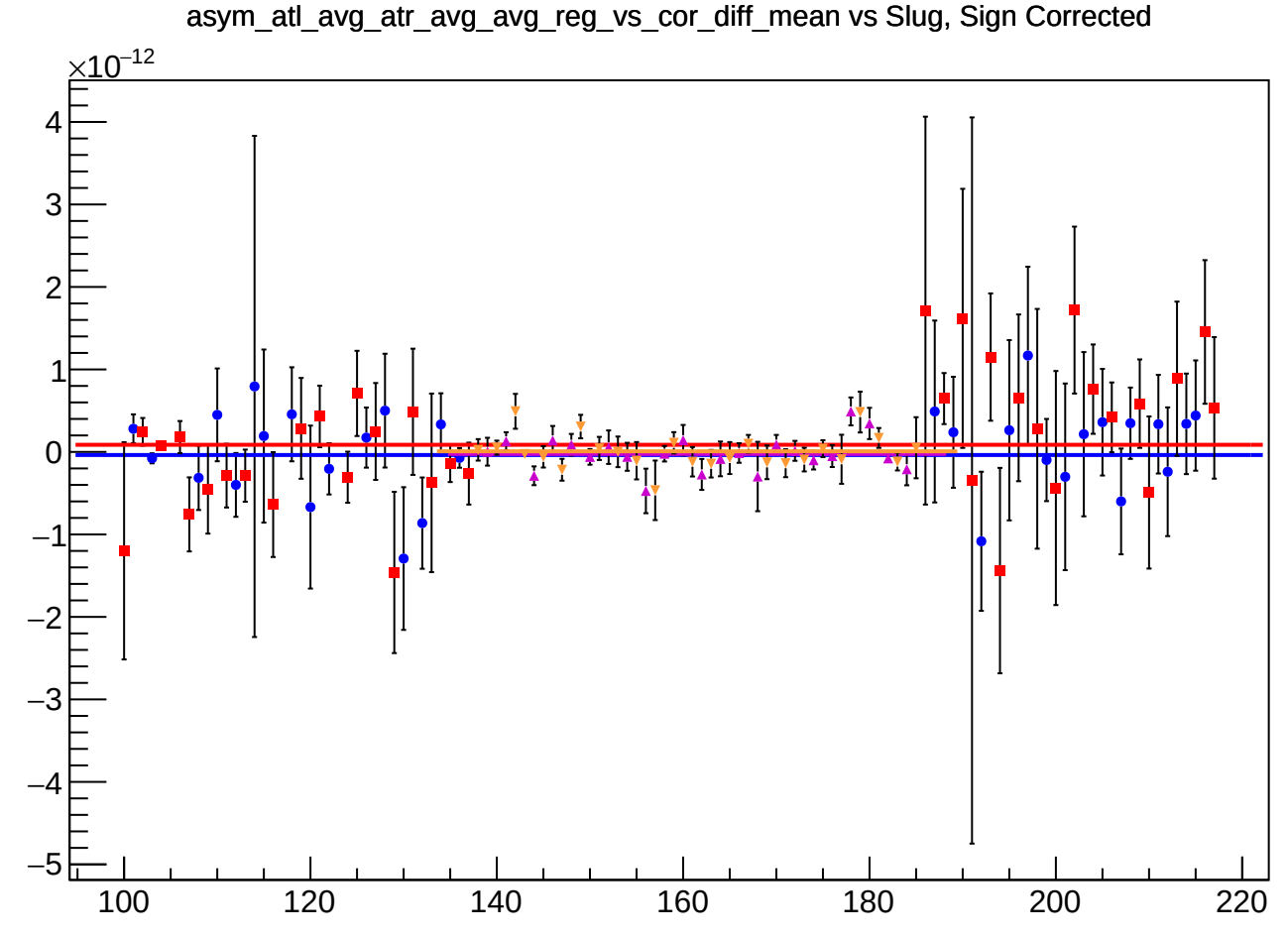
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

Right: 4396.769+/-0.535 χ^2/NDF: 10877430.5/66

In: 4700.211+/-0.568 χ^2/NDF:6151318.4/53

Out: 4546.051+/-0.541 χ^2/NDF:7982112.0/60

All: 4619.482+/-0.392 χ^2/NDF: 14172040.1/1



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/35

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

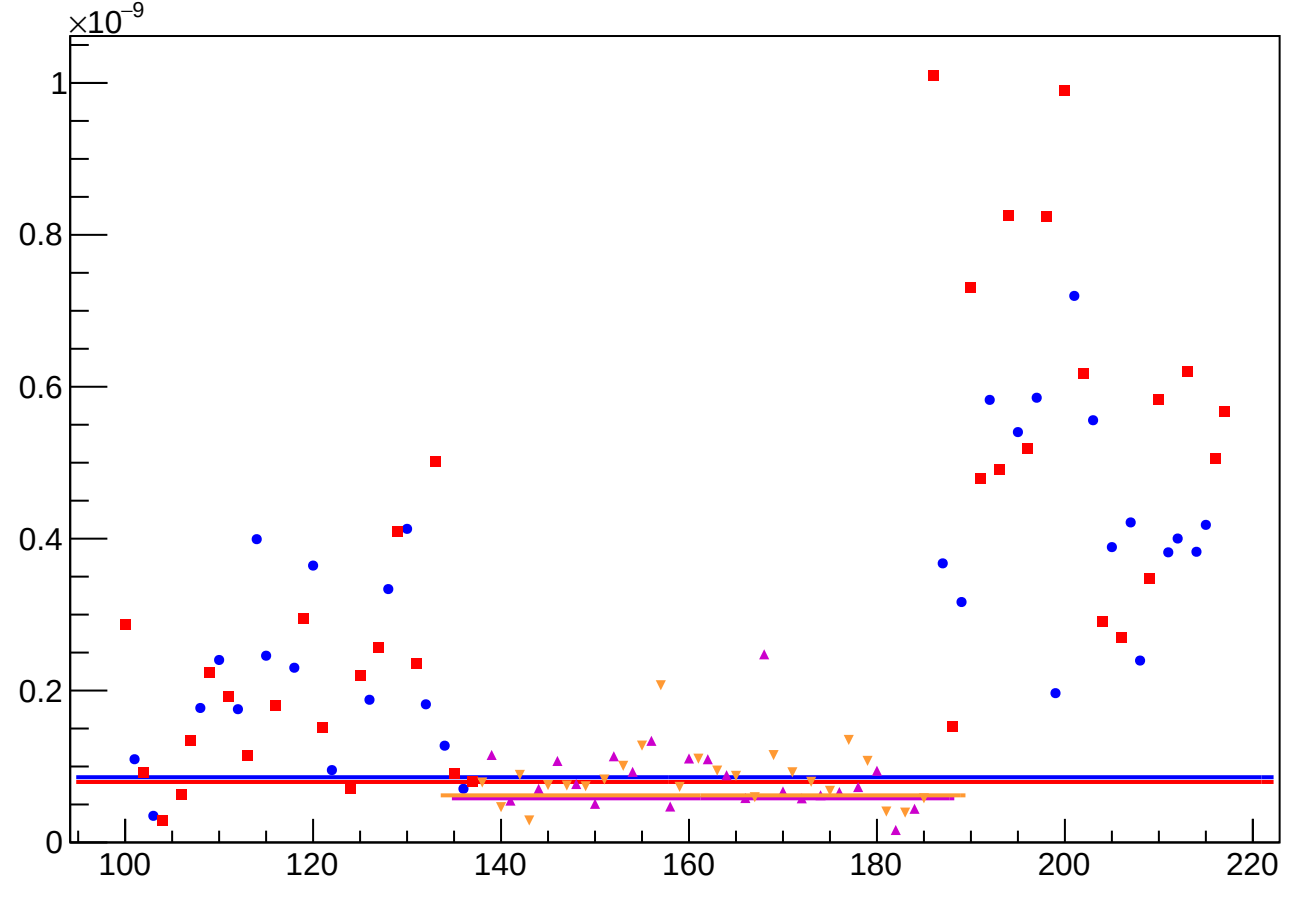
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.5/66

In: -0.000+/-0.000 χ^2/NDF:52.2/53

Out: 0.000+/-0.000 χ^2/NDF:66.7/60

All: 0.000+/-0.000 χ^2/NDF: 121.8/114



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: 11214340.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

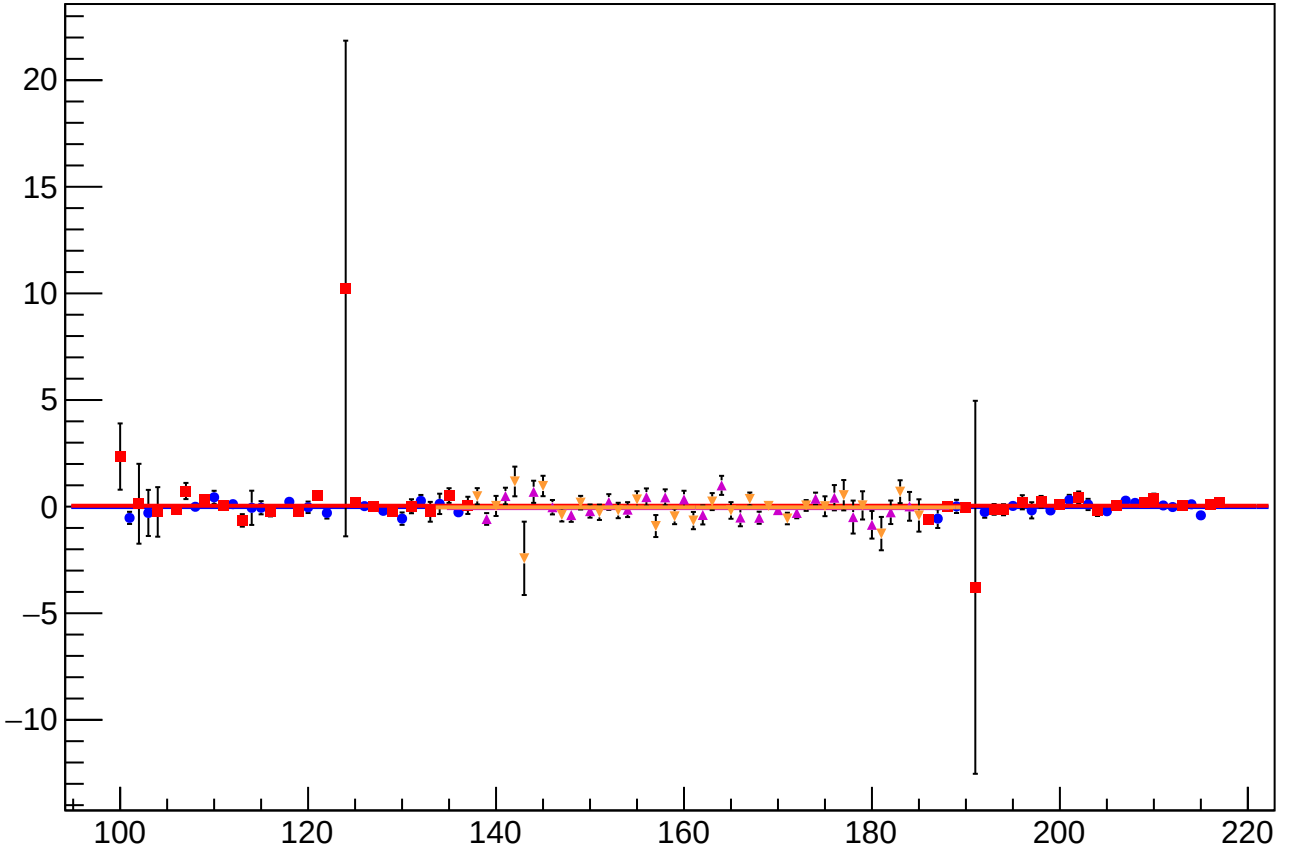
Right: 0.000+/-0.000 χ^2/NDF: 20233084.5/66

In: 0.000+/-0.000 χ^2/NDF:12502967.9/53

Out: 0.000+/-0.000 χ^2/NDF:13881029.2/60

All: 0.000+/-0.000 χ^2/NDF: 26388624.4/114

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: 0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

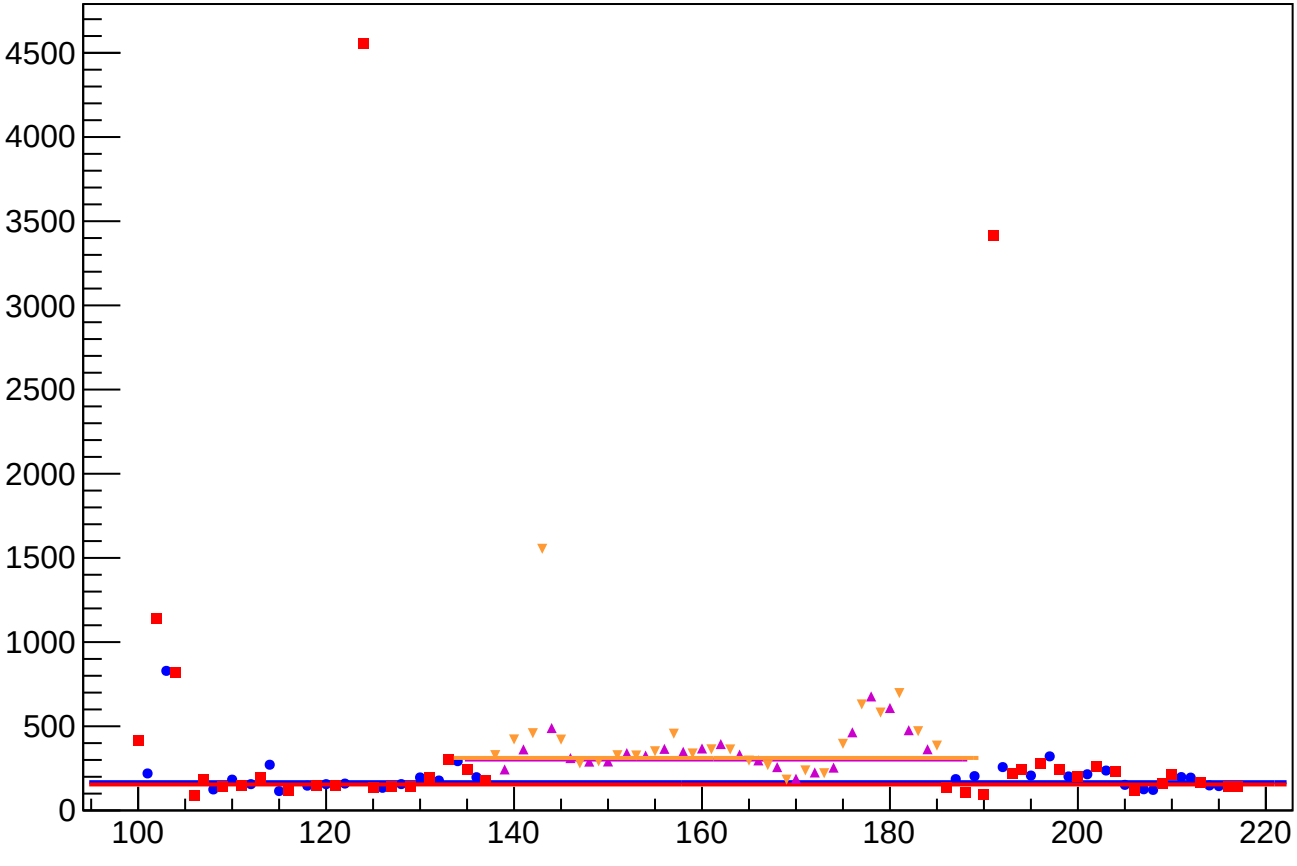
Right: 0.013+/-0.028 χ^2/NDF: 80.6/66

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.027+/-0.034 χ^2/NDF:77.4/60

All: -0.001+/-0.025 χ^2/NDF: 144.4/114

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: 154.376+/-0.027 χ^2/NDF: 4924965.5/35

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

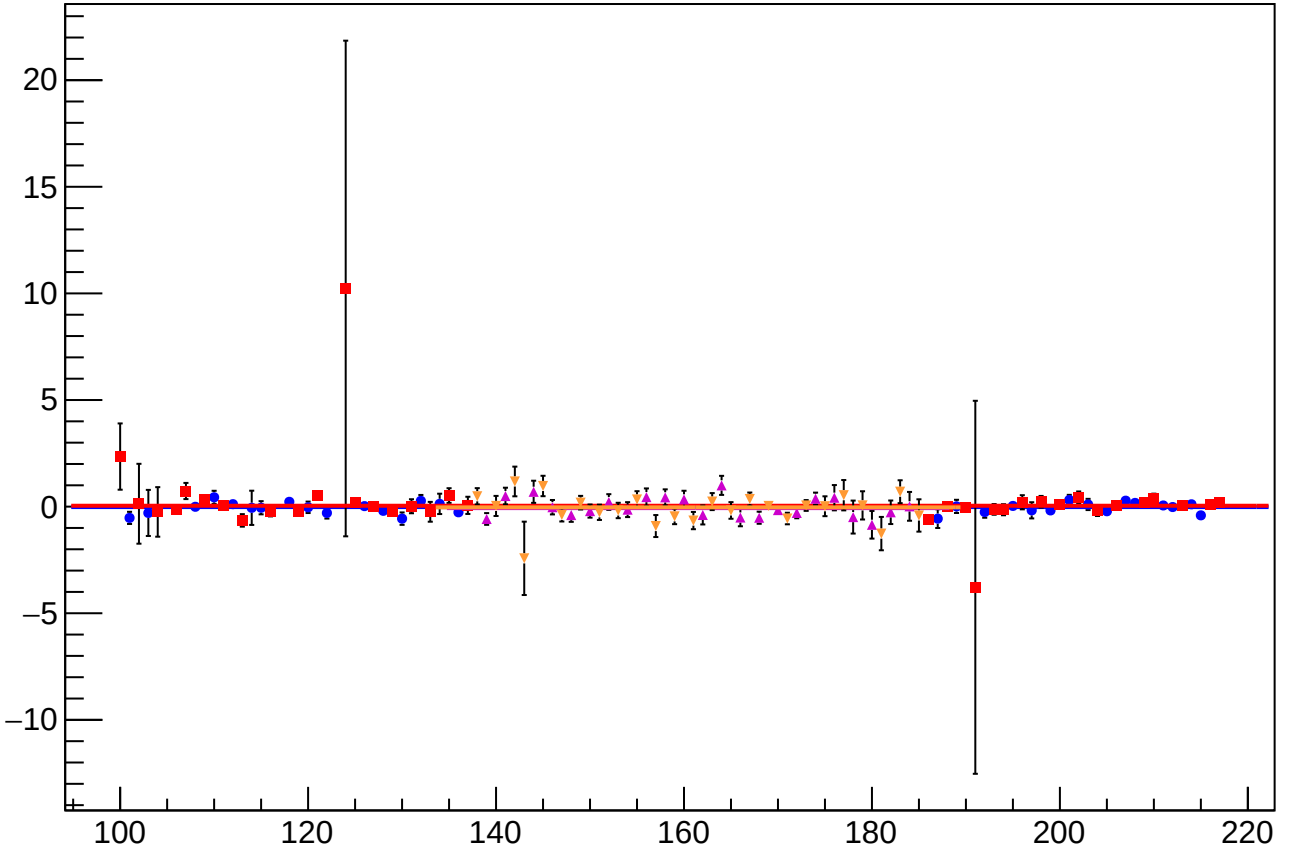
Right: 160.612+/-0.020 χ^2/NDF: 7788466.6/66

In: 199.187+/-0.026 χ^2/NDF:10501660.5/53

Out: 185.501+/-0.024 χ^2/NDF:16054694.6/60

All: 191.947+/-0.018 χ^2/NDF: 26708324.7/11

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: 0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

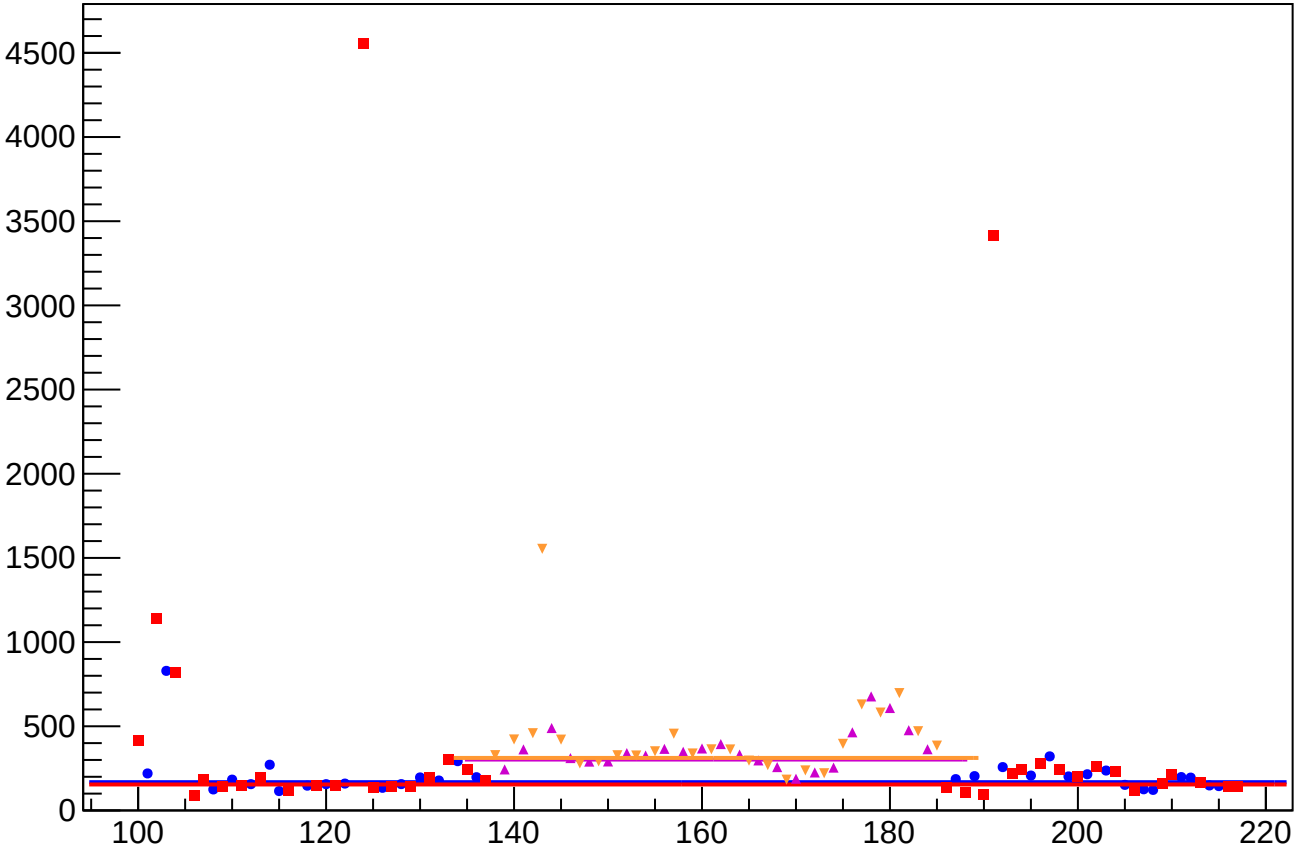
Right: 0.013+/-0.028 χ^2/NDF: 80.6/66

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.027+/-0.034 χ^2/NDF:77.4/60

All: -0.001+/-0.025 χ^2/NDF: 144.4/114

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: 154.376+/-0.027 χ^2/NDF: 4924965.5/35

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

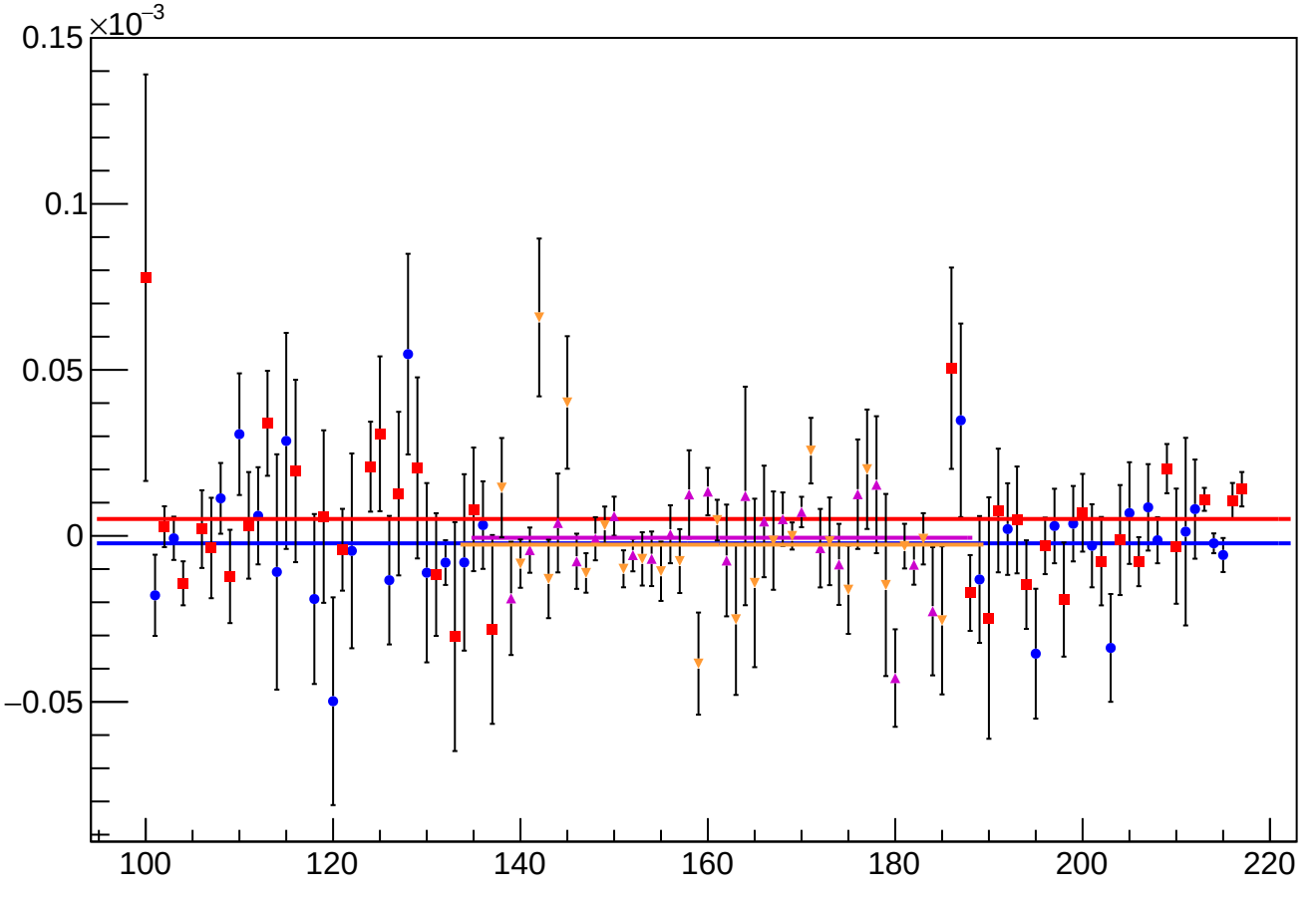
Right: 160.612+/-0.020 χ^2/NDF: 7788466.6/66

In: 199.187+/-0.026 χ^2/NDF:10501660.5/53

Out: 185.501+/-0.024 χ^2/NDF:16054694.6/60

All: 191.947+/-0.018 χ^2/NDF: 26708324.7/11

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 49.8/35

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

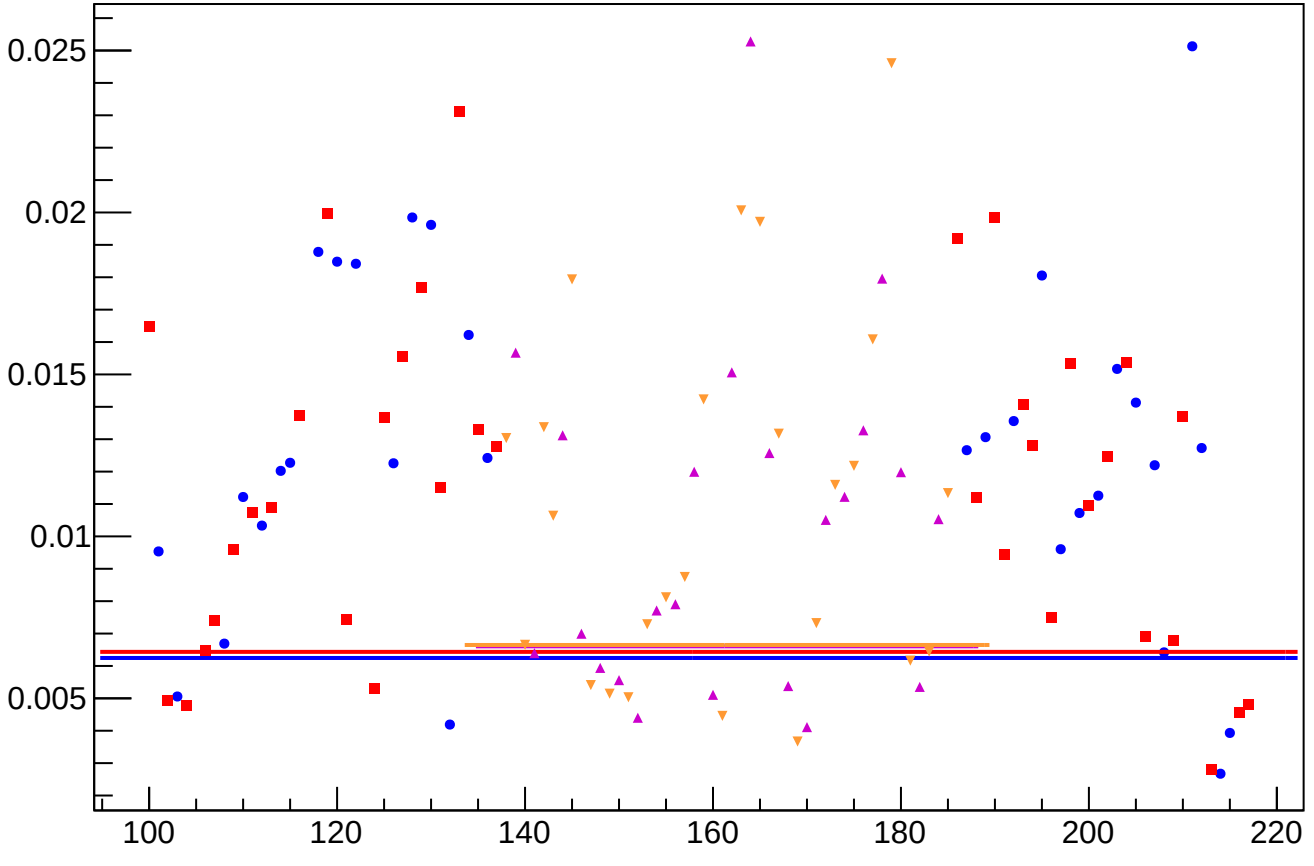
Right: 0.000+/-0.000 χ^2/NDF: 85.4/66

In: -0.000+/-0.000 χ^2/NDF:54.0/53

Out: 0.000+/-0.000 χ^2/NDF:102.4/60

All: 0.000+/-0.000 χ^2/NDF: 158.9/114

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: 0.006+/-0.000 χ^2/NDF: 10000008.7/35

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

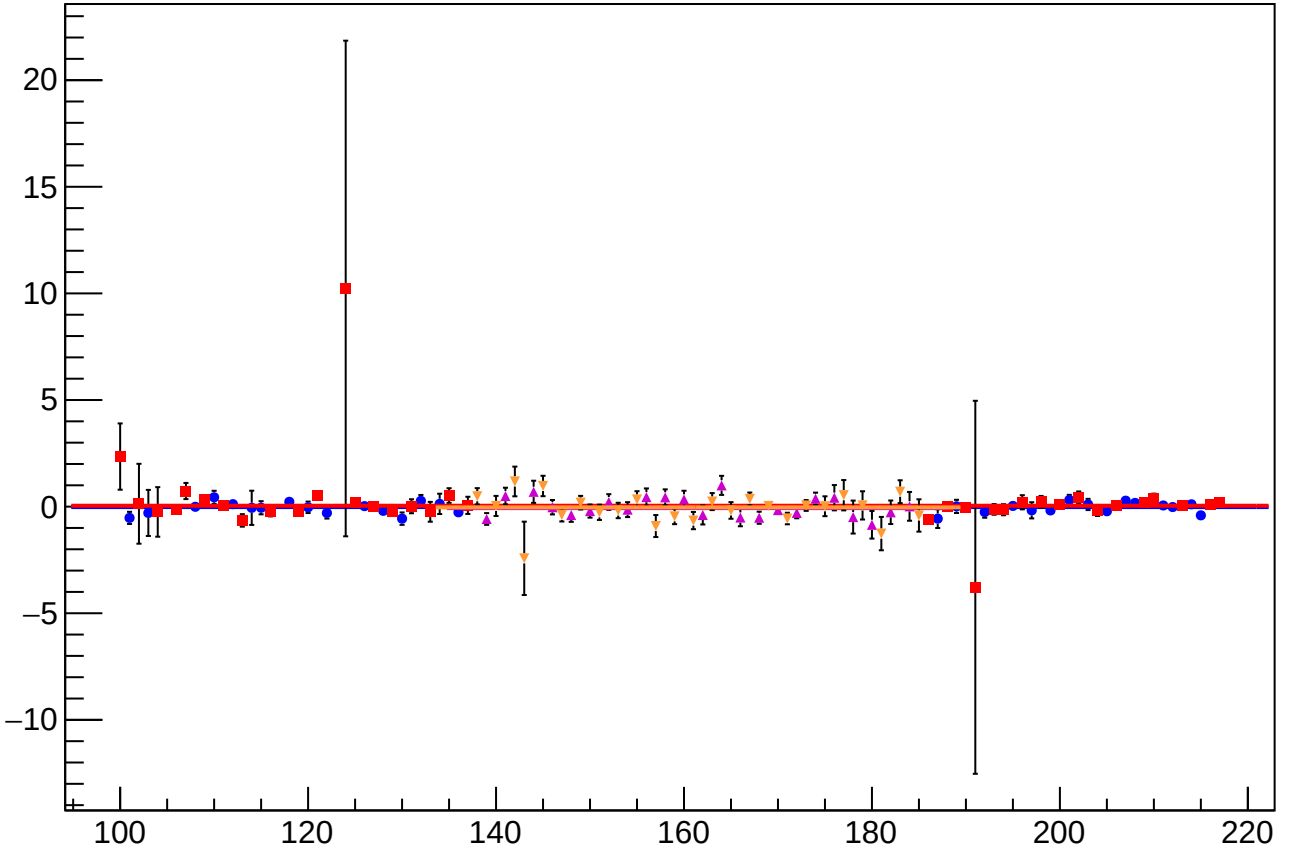
Right: 0.006+/-0.000 χ^2/NDF: 22326539.7/66

In: 0.006+/-0.000 χ^2/NDF:18211167.7/53

Out: 0.007+/-0.000 χ^2/NDF:17529424.3/60

All: 0.006+/-0.000 χ^2/NDF: 35748524.4/114

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: 0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

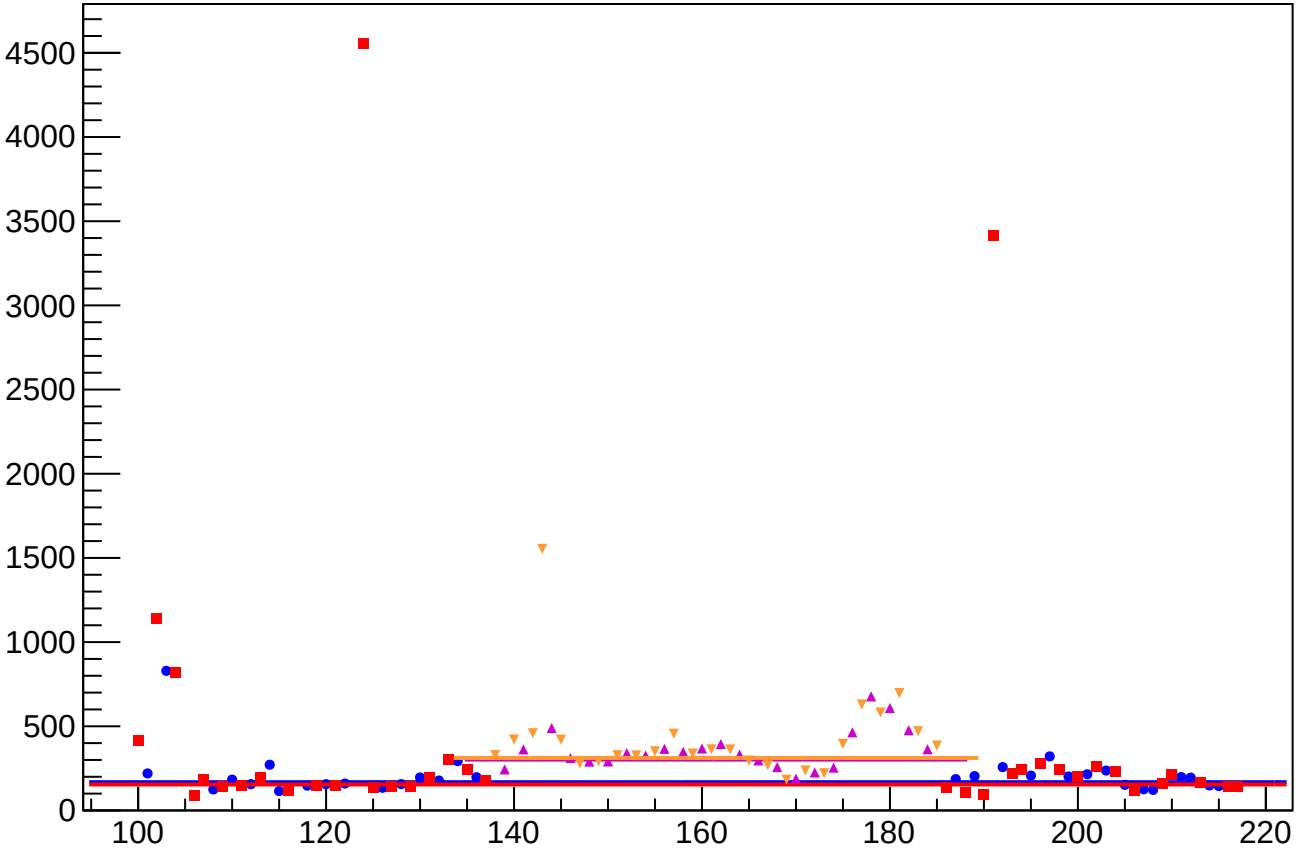
Right: 0.013+/-0.028 χ^2/NDF: 80.6/66

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.027+/-0.034 χ^2/NDF:77.4/60

All: -0.001+/-0.025 χ^2/NDF: 144.4/114

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: 154.374+/-0.027 χ^2/NDF: 4925171.9/35

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

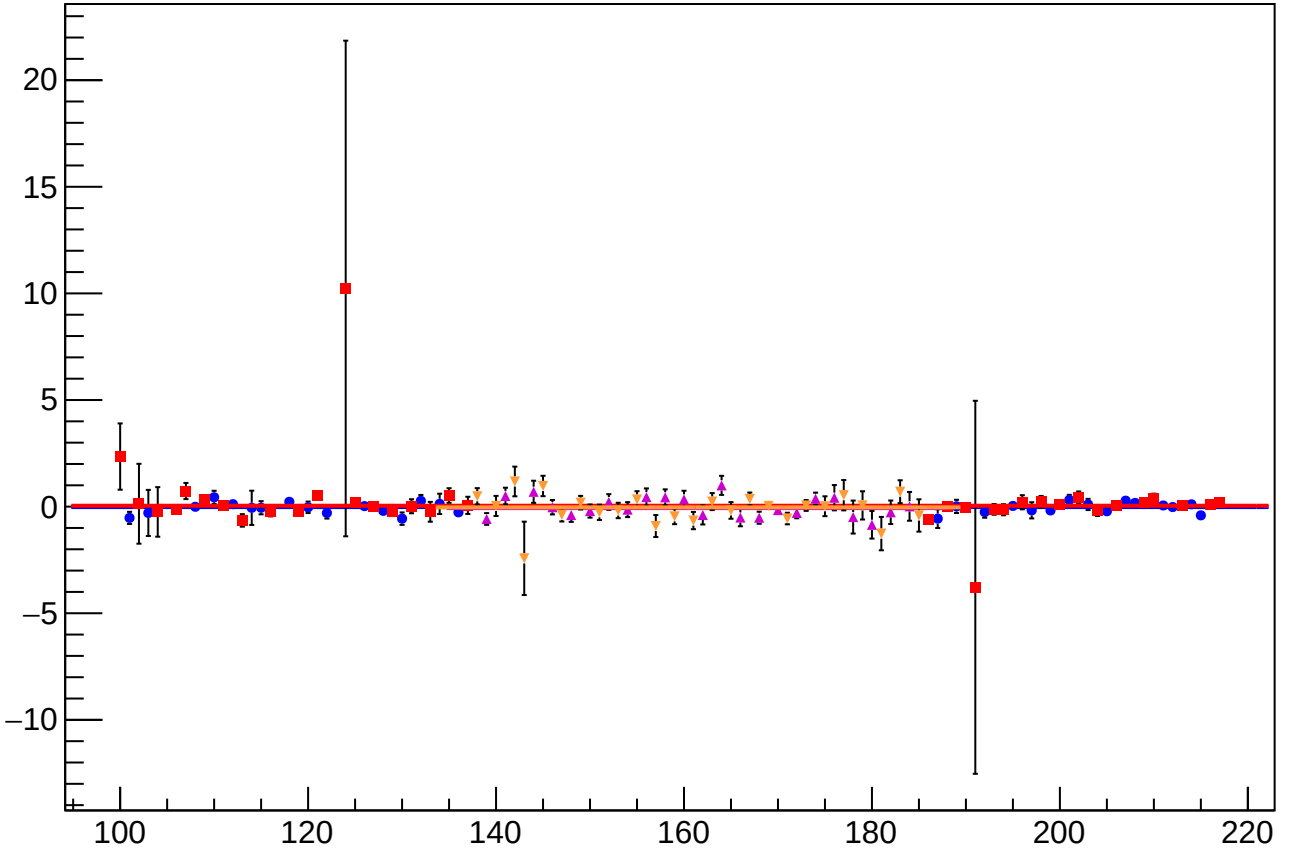
Right: 160.610+/-0.020 χ^2/NDF: 7788771.4/66

In: 199.186+/-0.026 χ^2/NDF:10502009.9/53

Out: 185.498+/-0.024 χ^2/NDF:16055347.2/60

All: 191.945+/-0.018 χ^2/NDF: 26709368.1/11

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.041 χ^2/NDF: 35.3/30

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

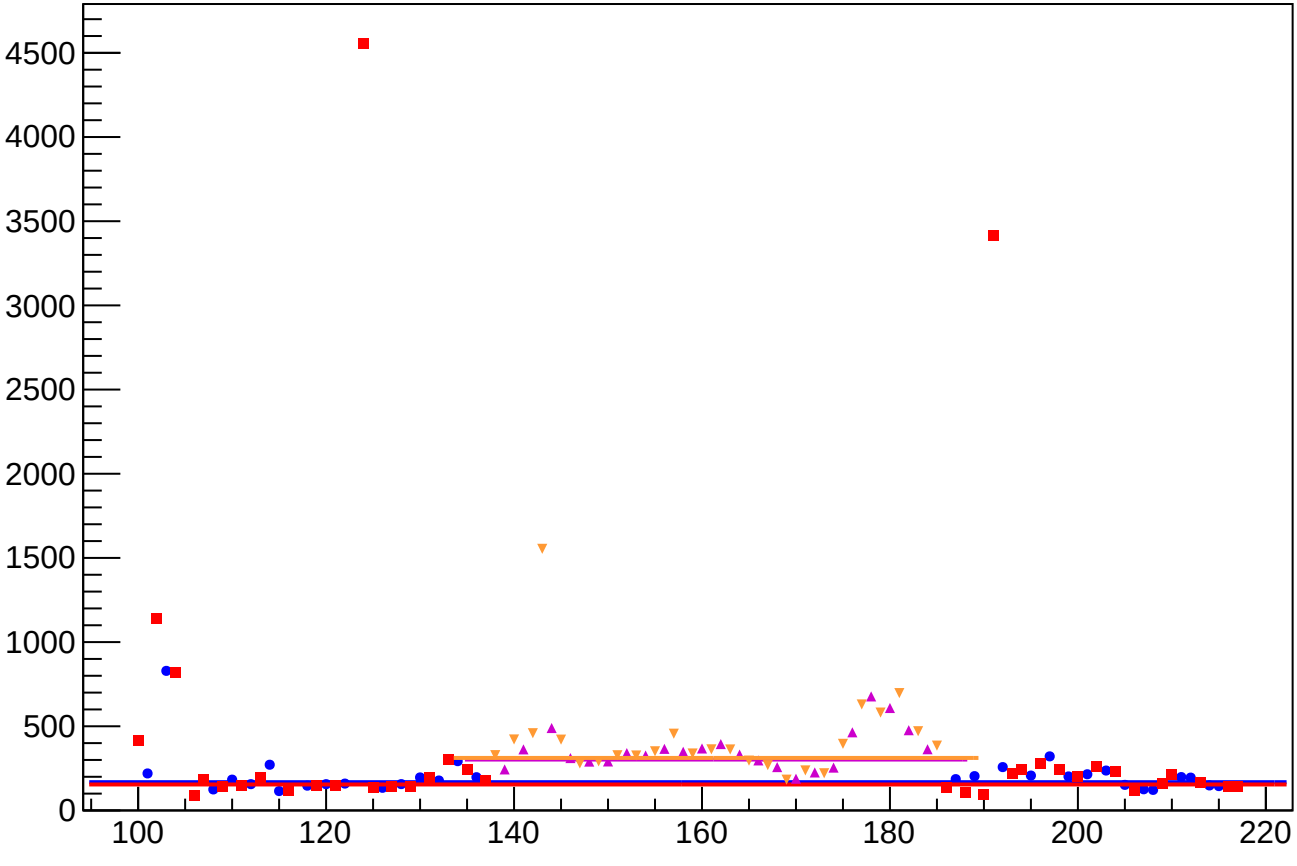
Right: 0.013+/-0.028 χ^2/NDF: 80.6/66

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.027+/-0.034 χ^2/NDF:77.4/60

All: -0.001+/-0.025 χ^2/NDF: 144.4/114

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: 154.374+/-0.027 χ^2/NDF: 4925171.9/35

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

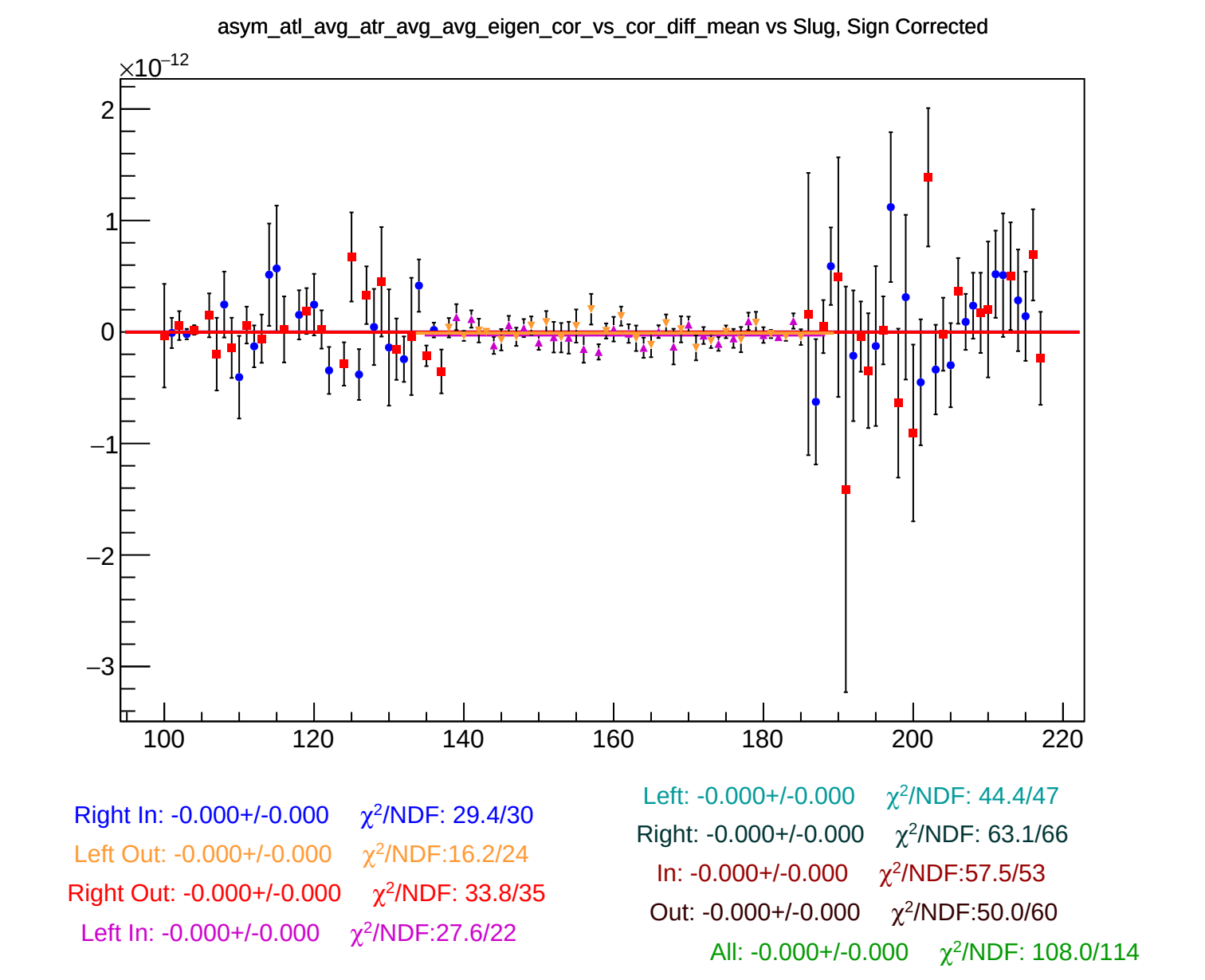
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

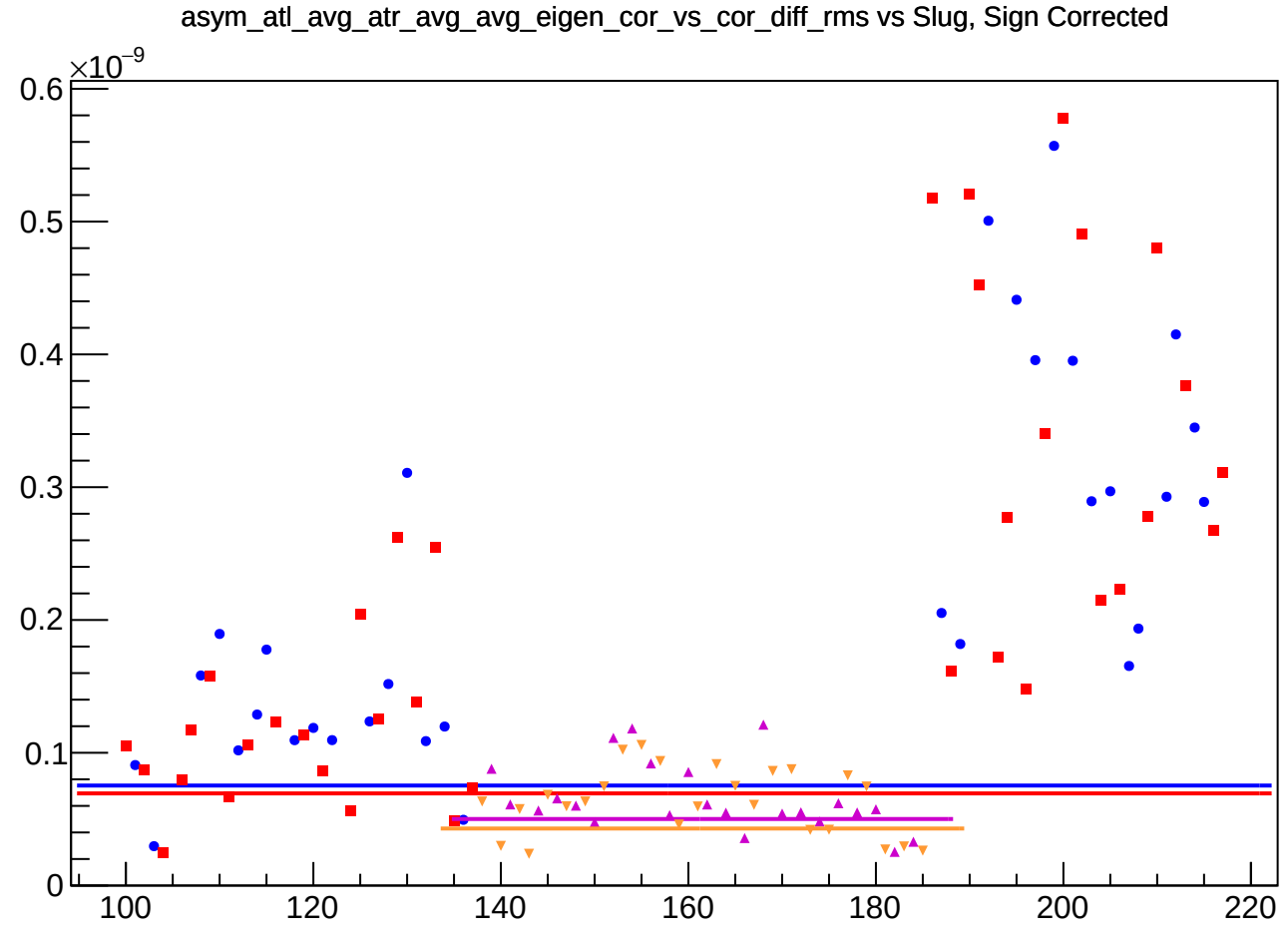
Right: 160.610+/-0.020 χ^2/NDF: 7788771.4/66

In: 199.186+/-0.026 χ^2/NDF:10502009.9/53

Out: 185.498+/-0.024 χ^2/NDF:16055347.2/60

All: 191.945+/-0.018 χ^2/NDF: 26709368.1/11


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: 33.8/35
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: 63.1/66
In: -0.000+/-0.000 χ²/NDF:57.5/53
Out: -0.000+/-0.000 χ²/NDF:50.0/60
All: -0.000+/-0.000 χ²/NDF: 108.0/114



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: 12091061.2/35

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

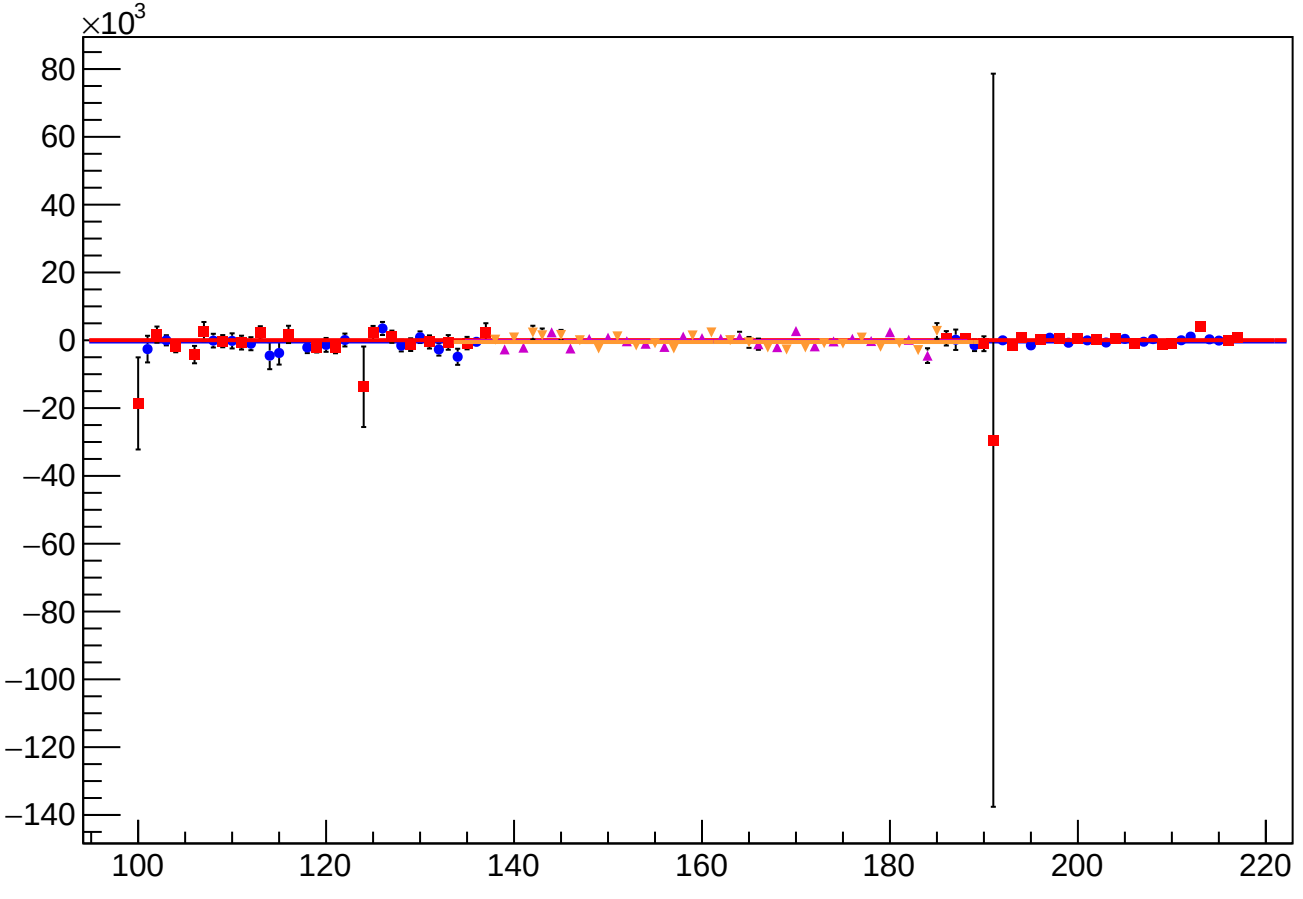
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 24001503.6/66

In: 0.000+/-0.000 χ^2/NDF:16521419.9/53

Out: 0.000+/-0.000 χ^2/NDF:18454682.7/60

All: 0.000+/-0.000 χ^2/NDF: 35312052.3/114



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: 37.386+/-286.628 χ^2/NDF: 30.1/35

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

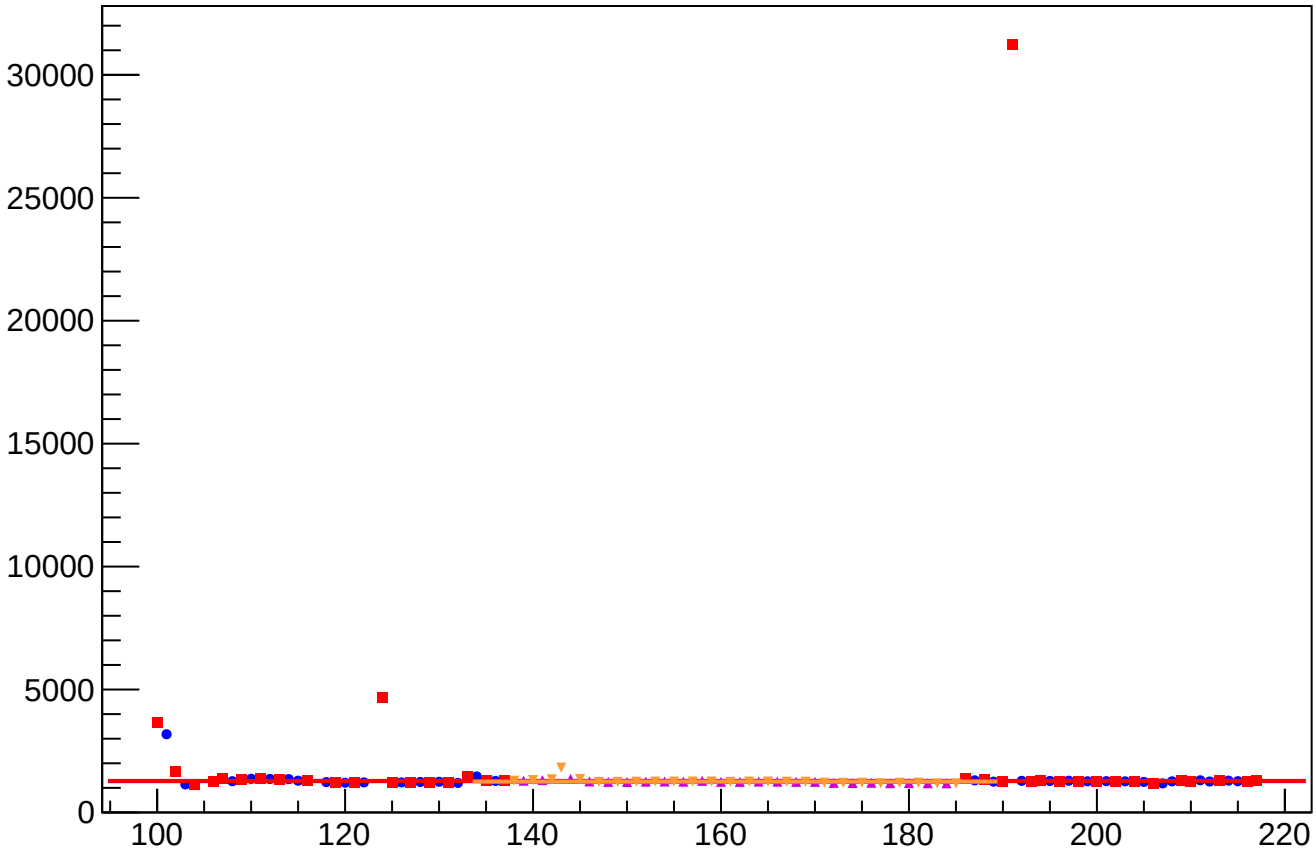
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -158.154+/-204.559 χ^2/NDF: 49.2/66

In: -301.733+/-206.189 χ^2/NDF:50.4/53

Out: -239.208+/-202.435 χ^2/NDF:62.8/60

All: -269.896+/-144.452 χ^2/NDF: 113.2/114



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: 1283.769+/-0.203 χ^2/NDF: 508275.4/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

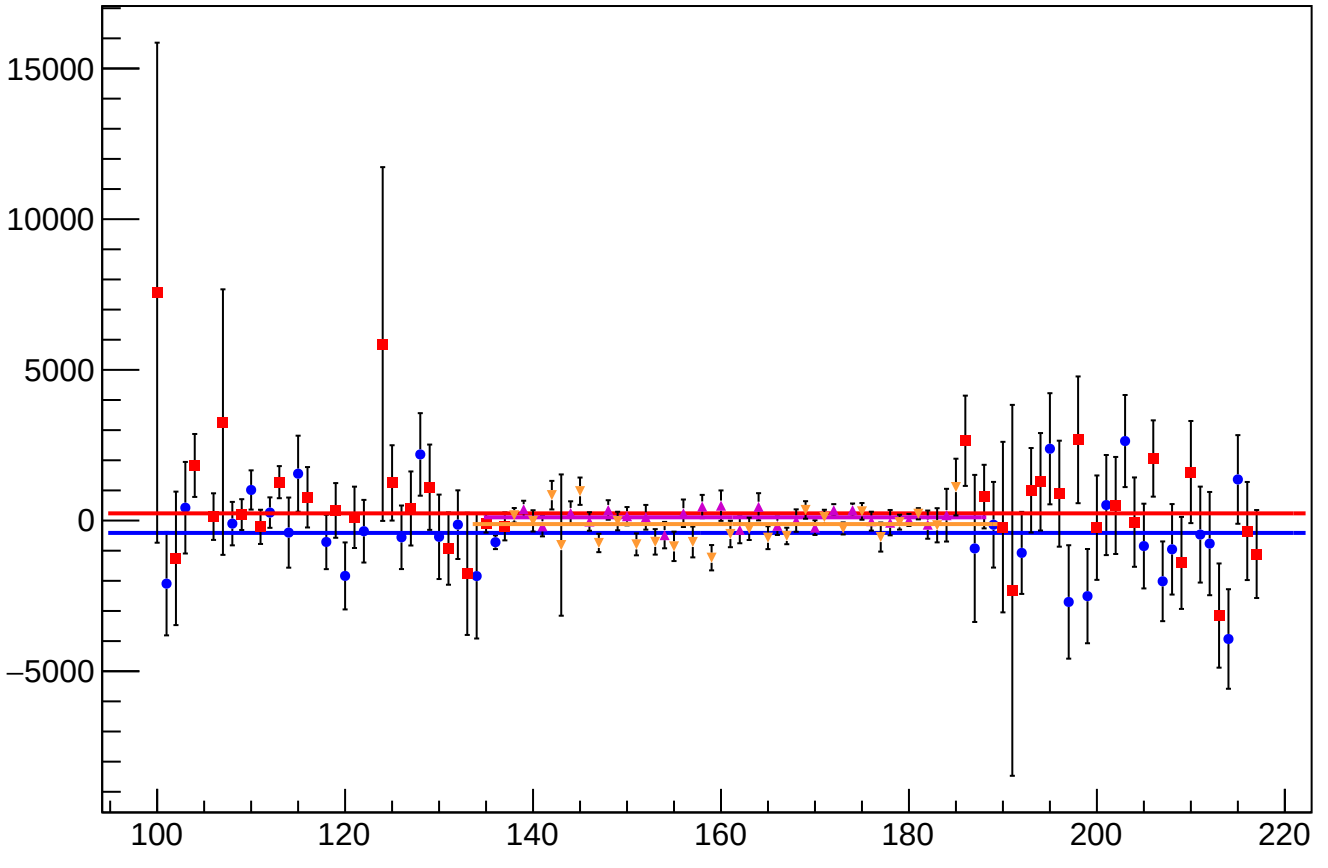
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.652+/-0.145 χ^2/NDF: 1043740.4/66

In: 1259.807+/-0.146 χ^2/NDF:582586.3/53

Out: 1269.608+/-0.143 χ^2/NDF:721140.5/60

All: 1264.797+/-0.102 χ^2/NDF: 1306027.7/11



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: 238.735+/-155.290 χ^2/NDF: 28.8/35

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

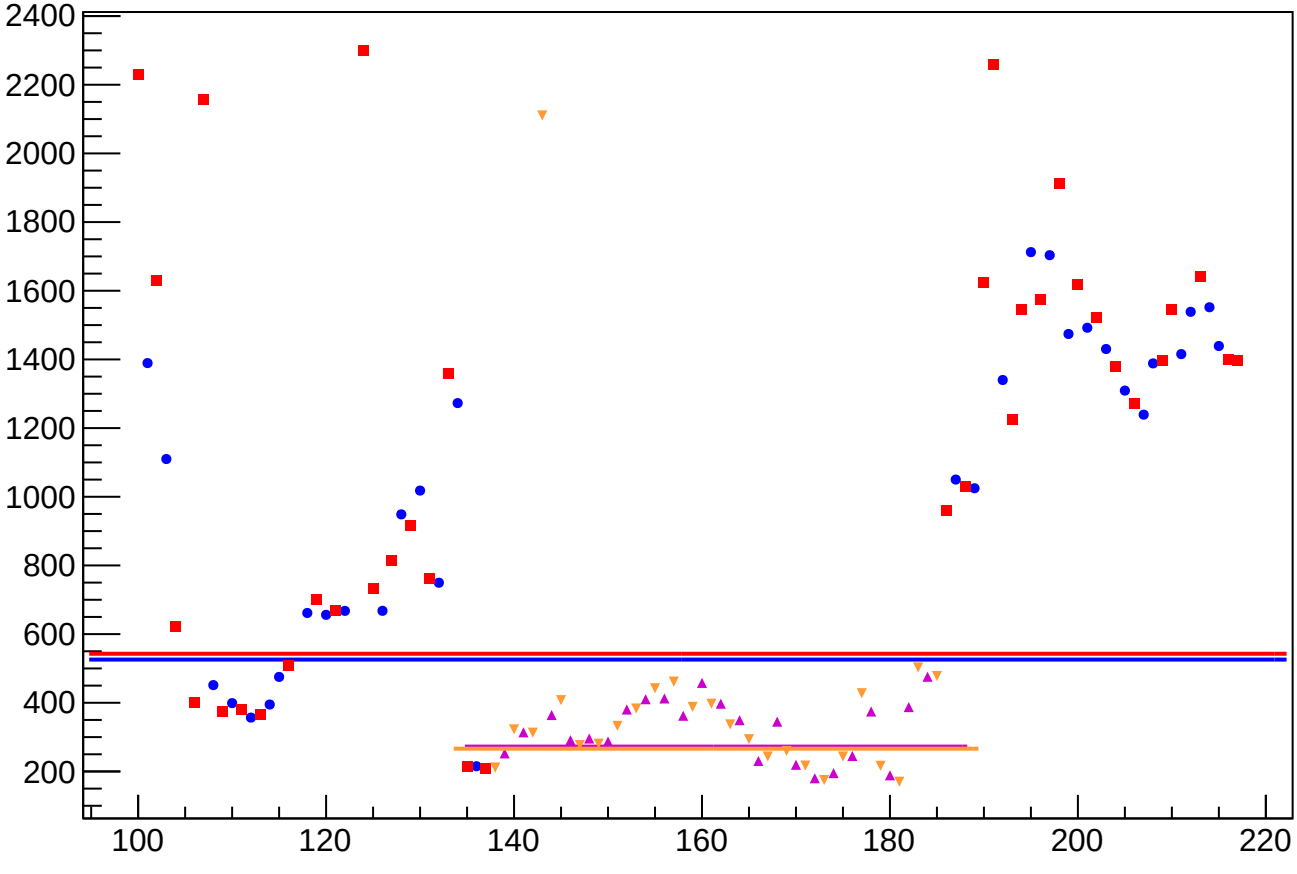
Right: -85.567+/-109.845 χ^2/NDF: 73.7/66

In: 26.196+/-61.526 χ^2/NDF:59.2/53

Out: -63.908+/-60.006 χ^2/NDF:81.8/60

All: -19.983+/-42.958 χ^2/NDF: 142.1/114

asym_atl_avg_atr_avg_dd_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: 542.813+/-0.110 χ^2/NDF: 15813748.1/35

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

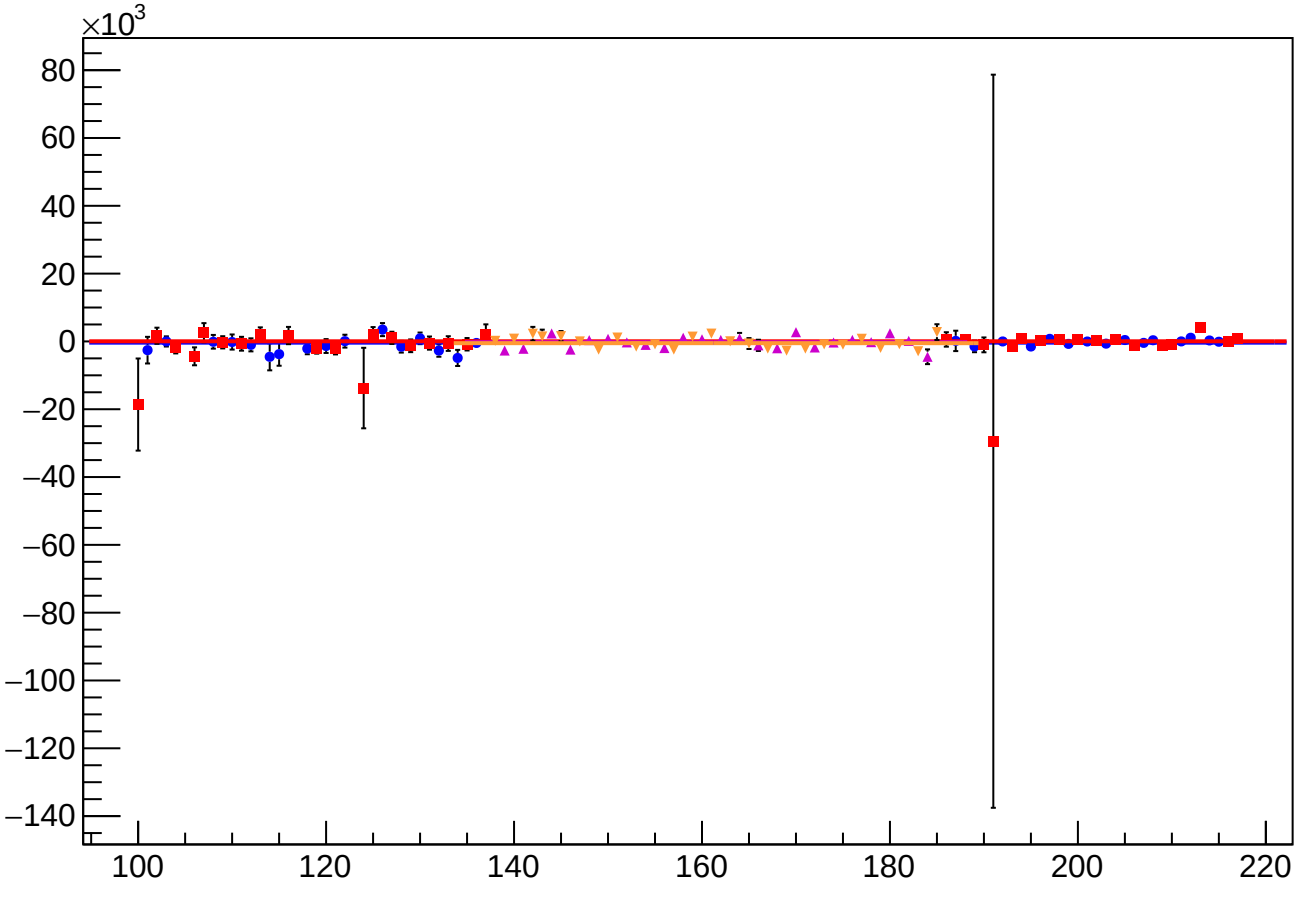
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 534.315+/-0.078 χ^2/NDF: 31093837.4/66

In: 312.095+/-0.044 χ^2/NDF:22641549.1/53

Out: 307.605+/-0.042 χ^2/NDF:25837482.8/60

All: 309.793+/-0.030 χ^2/NDF: 48484491.3/11



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: 38.571+/-286.735 χ^2/NDF: 30.1/35

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

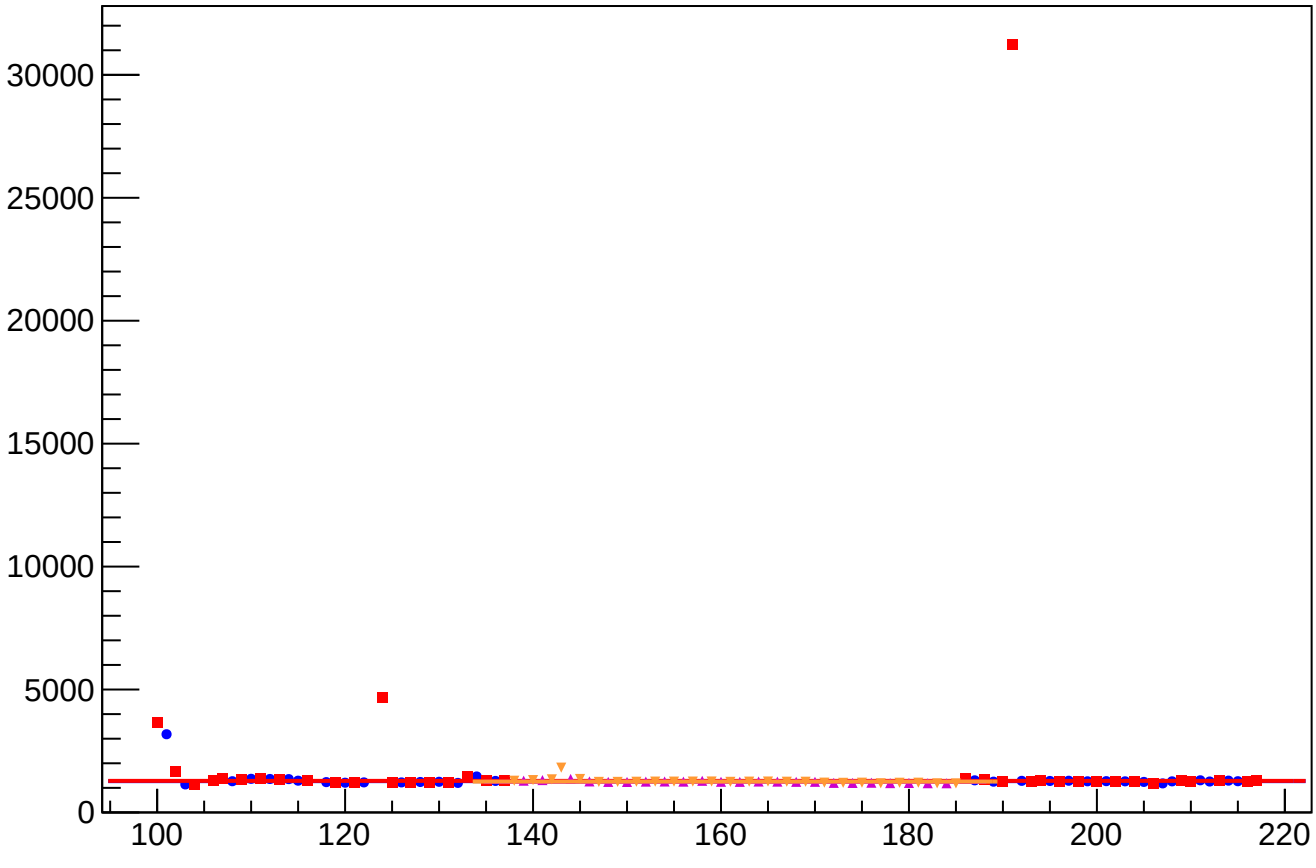
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -157.559+/-204.598 χ^2/NDF: 49.3/66

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -238.693+/-202.472 χ^2/NDF:62.9/60

All: -269.601+/-144.466 χ^2/NDF: 113.3/114



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

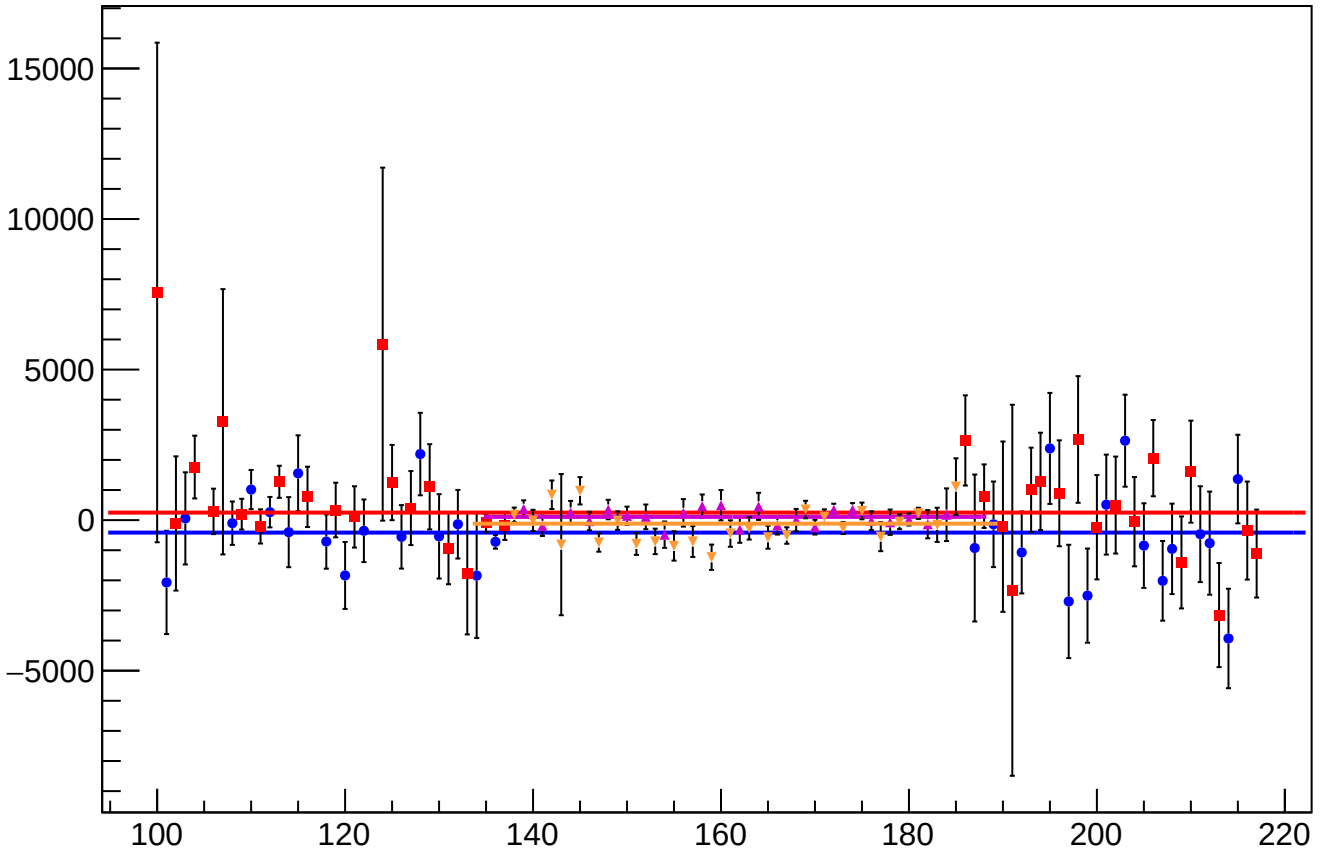
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.902+/-0.145 χ^2/NDF: 1043847.2/66

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.850+/-0.143 χ^2/NDF:721460.8/60

All: 1264.920+/-0.102 χ^2/NDF: 1306463.8/11



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: 249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

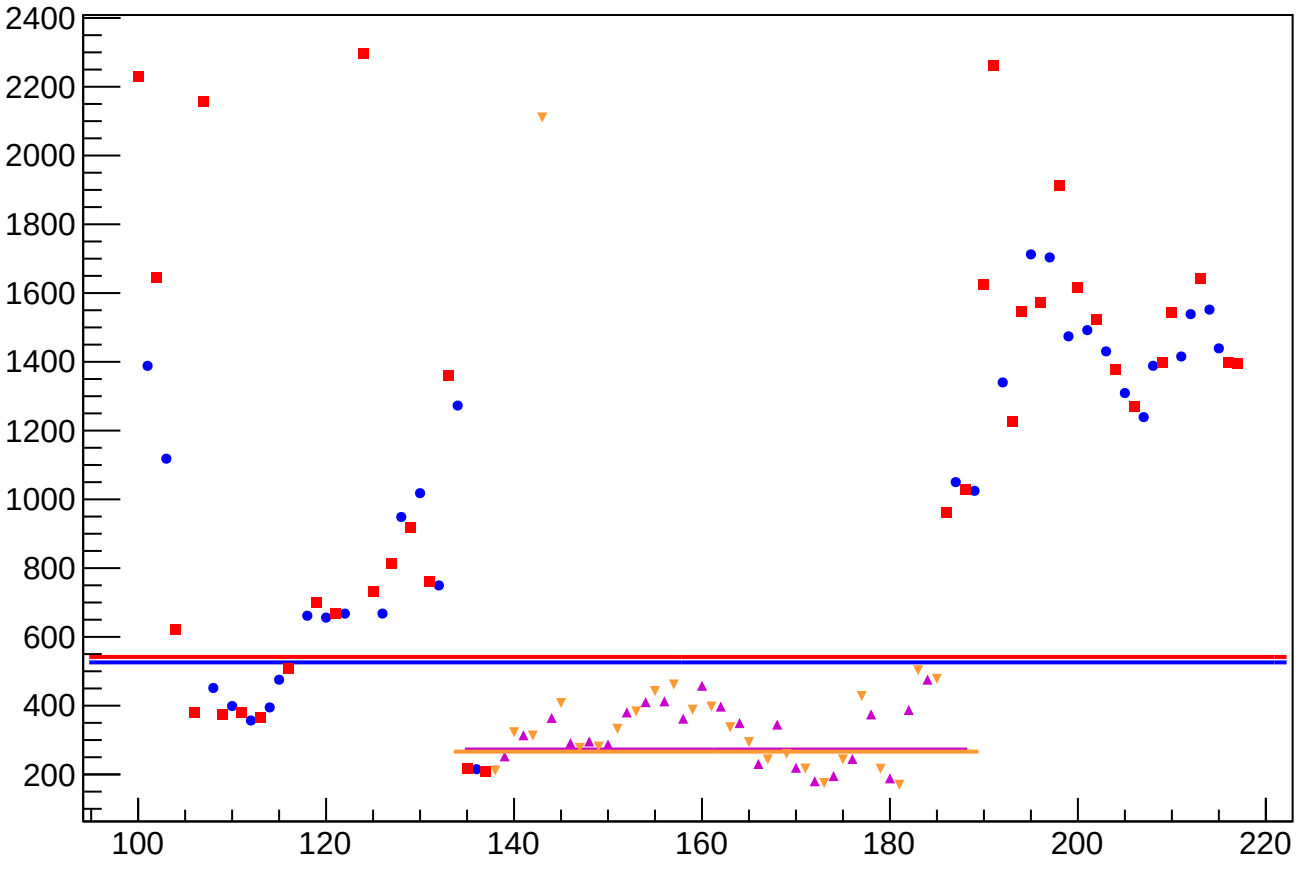
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -81.623+/-109.797 χ^2/NDF: 73.2/66

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -62.154+/-59.998 χ^2/NDF:81.4/60

All: -19.330+/-42.956 χ^2/NDF: 141.6/114



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: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

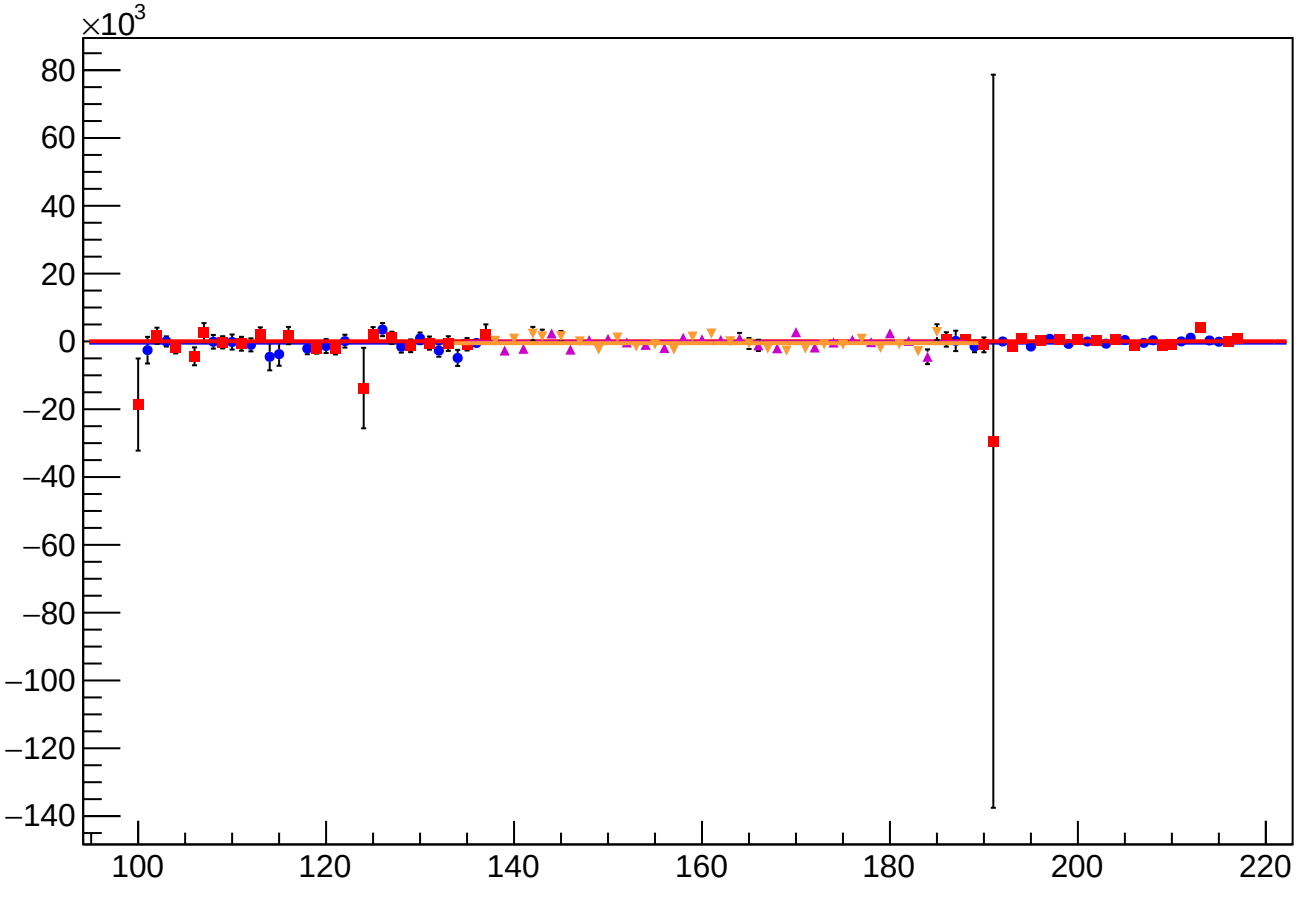
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 533.784+/-0.078 χ^2/NDF: 31125921.0/66

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 307.515+/-0.042 χ^2/NDF:25833975.6/60

All: 309.751+/-0.030 χ^2/NDF: 48483612.3/11



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: 38.571+/-286.735 χ^2/NDF: 30.1/35

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

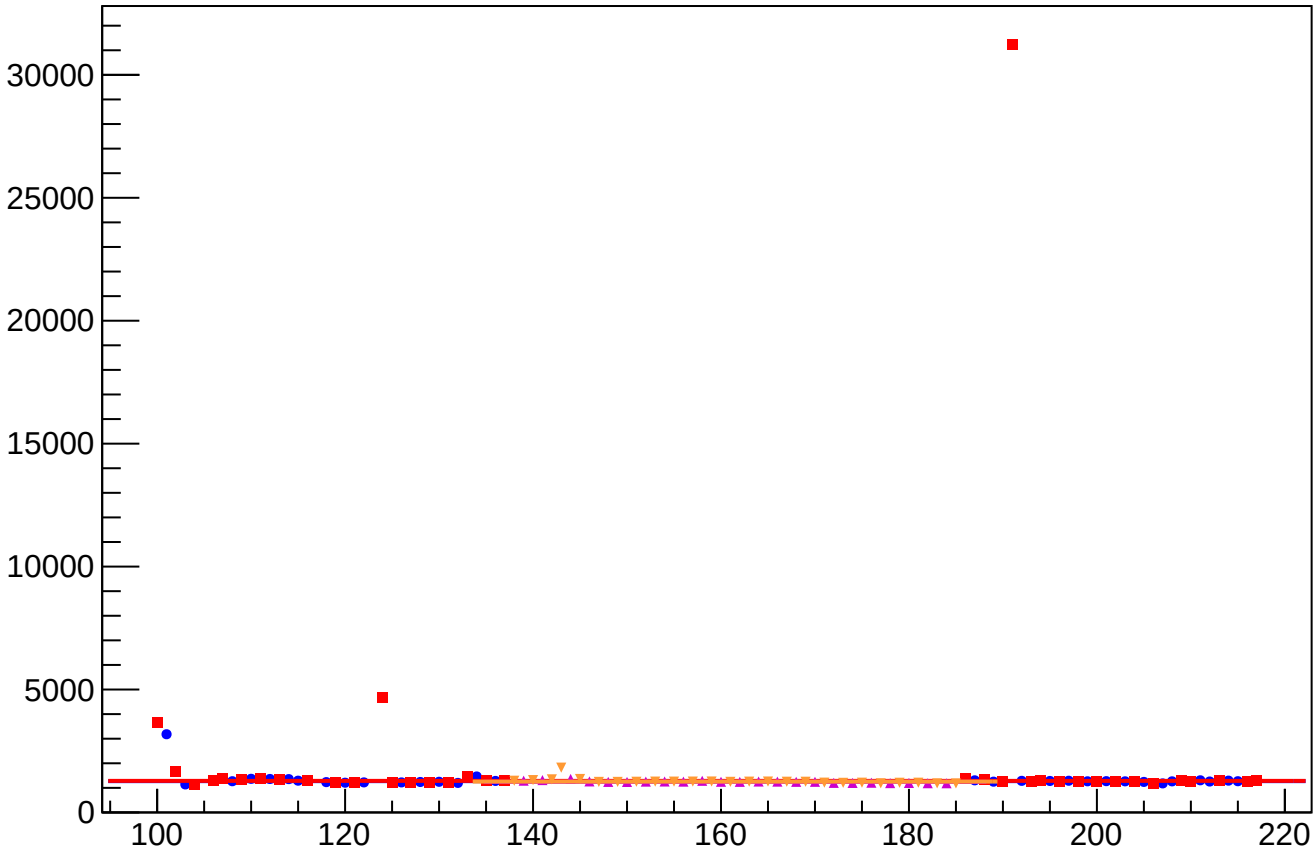
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -157.559+/-204.598 χ^2/NDF: 49.3/66

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -238.693+/-202.472 χ^2/NDF:62.9/60

All: -269.601+/-144.466 χ^2/NDF: 113.3/114



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

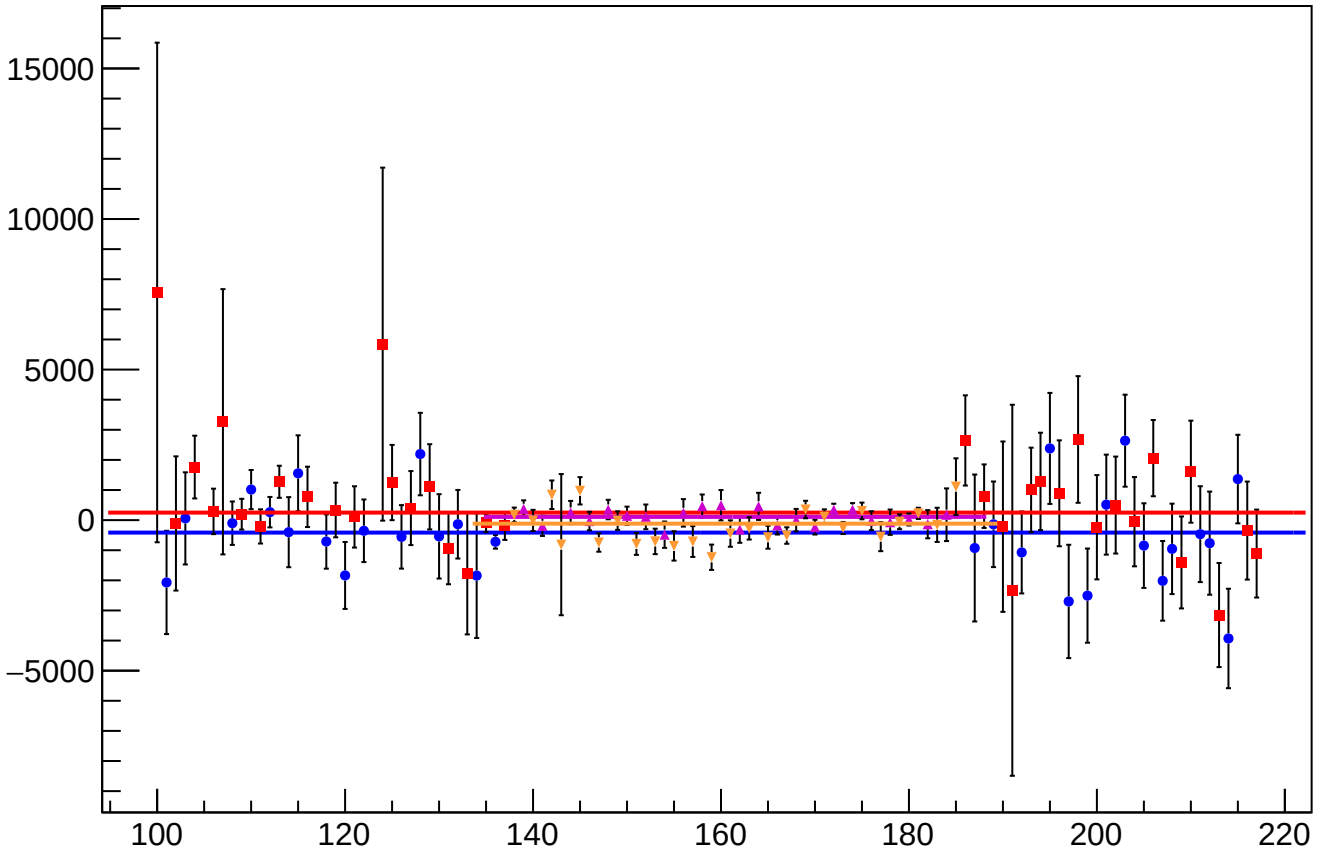
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.902+/-0.145 χ^2/NDF: 1043847.2/66

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.850+/-0.143 χ^2/NDF:721460.8/60

All: 1264.920+/-0.102 χ^2/NDF: 1306463.8/11



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: 249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

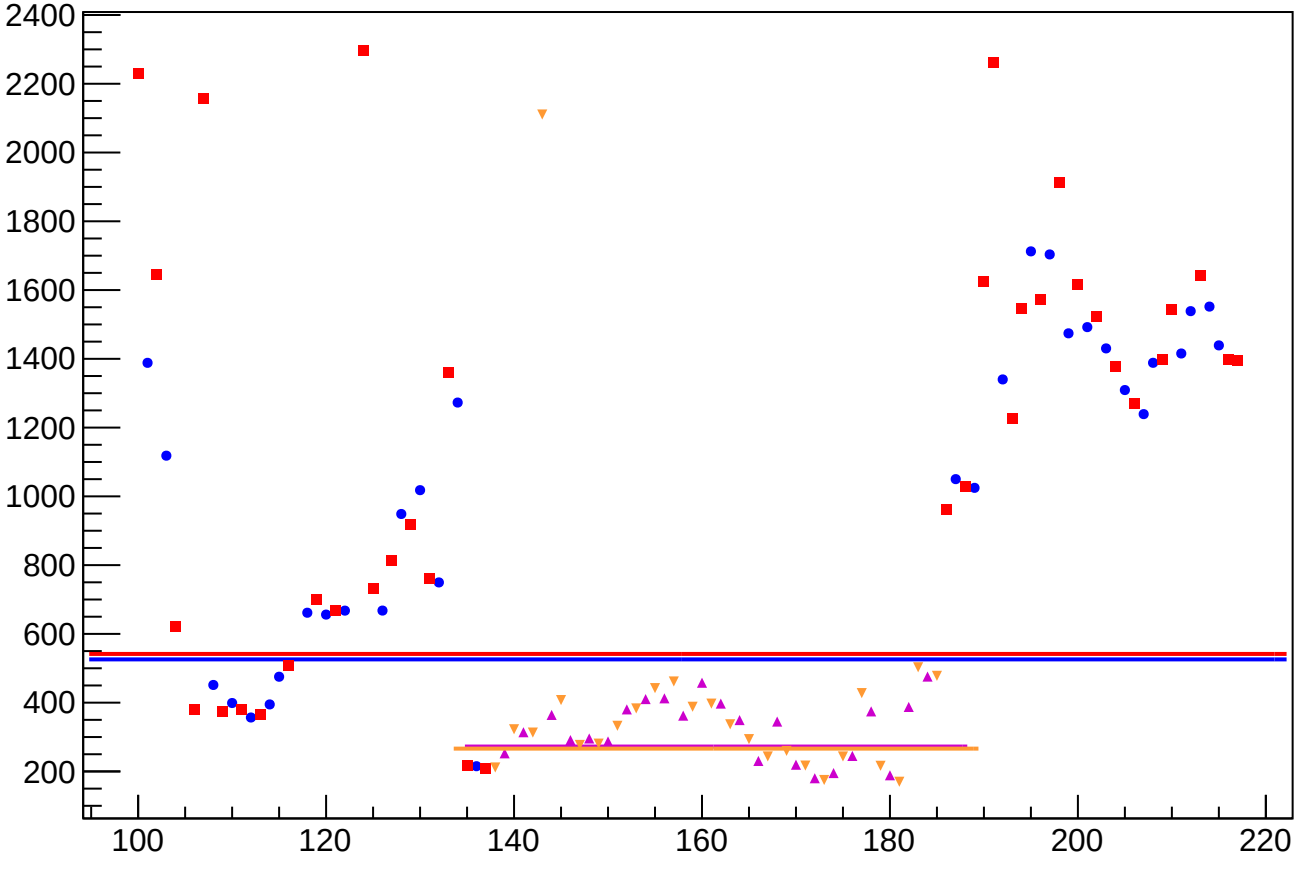
Right: -81.623+/-109.797 χ^2/NDF: 73.2/66

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -62.154+/-59.998 χ^2/NDF:81.4/60

All: -19.330+/-42.956 χ^2/NDF: 141.6/114

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: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

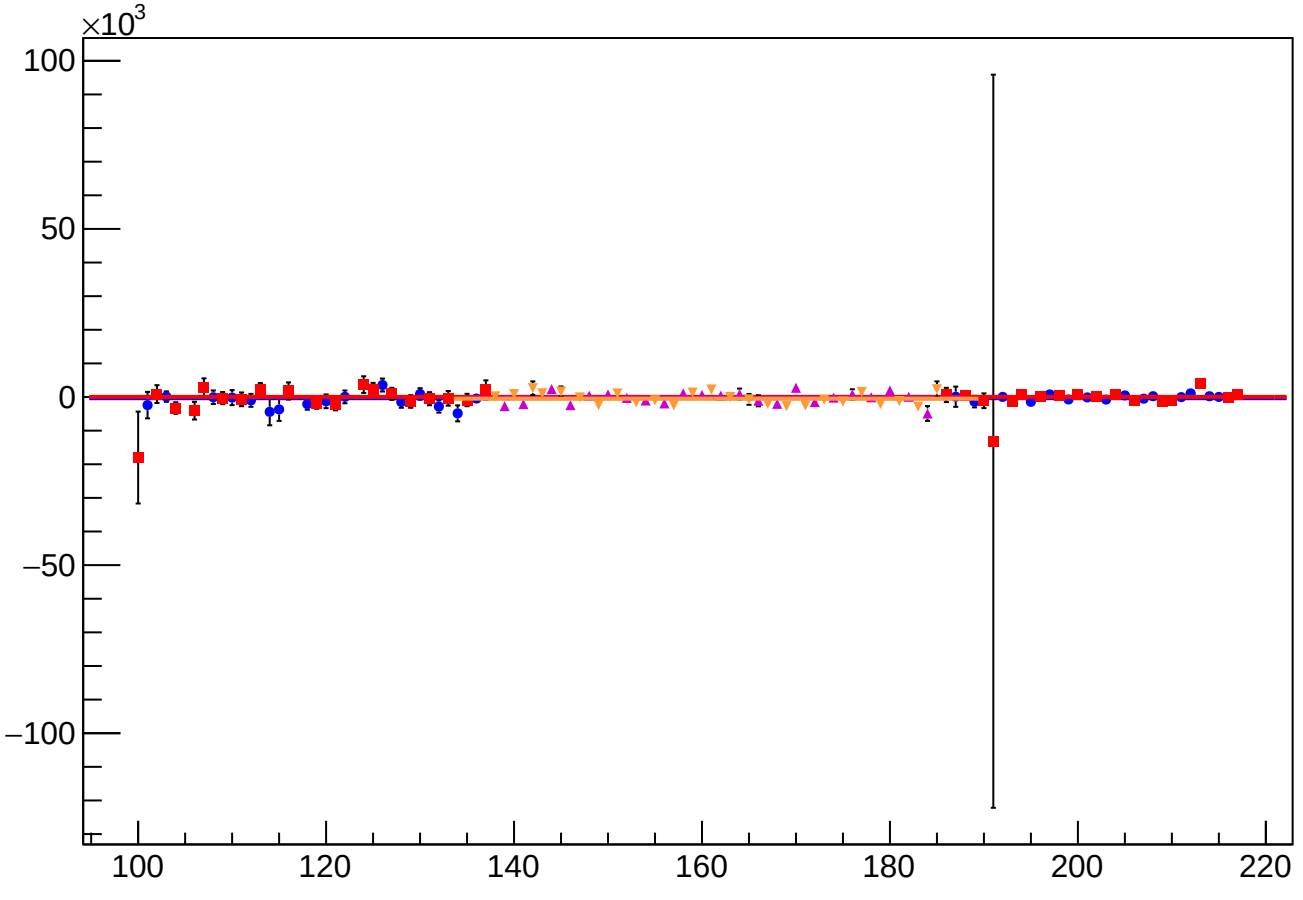
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 533.784+/-0.078 χ^2/NDF: 31125921.0/66

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 307.515+/-0.042 χ^2/NDF:25833975.6/60

All: 309.751+/-0.030 χ^2/NDF: 48483612.3/11



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: 39.237+/-286.290 χ^2/NDF: 32.0/35

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

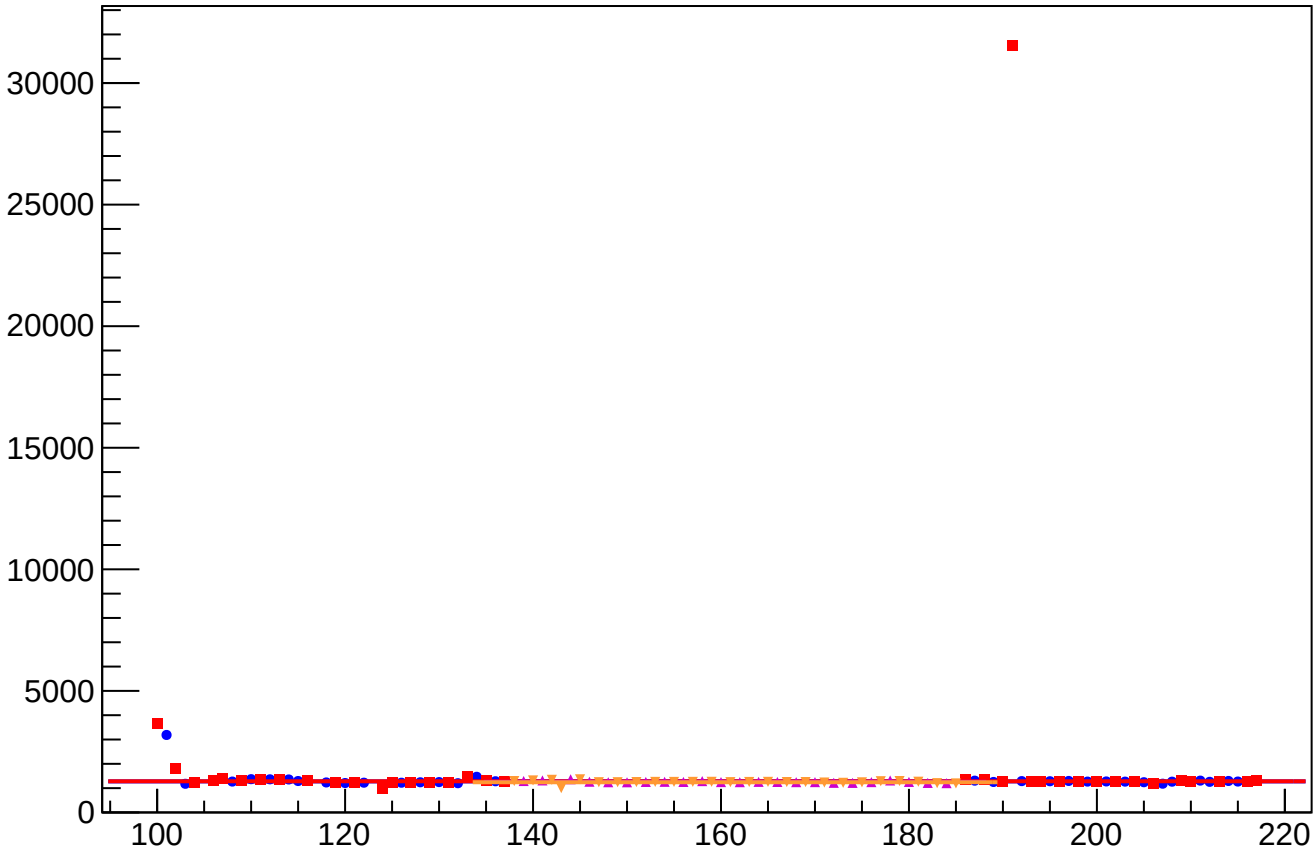
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -152.157+/-204.702 χ^2/NDF: 51.1/66

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -230.428+/-201.168 χ^2/NDF:68.0/60

All: -262.897+/-144.463 χ^2/NDF: 117.0/114



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1282.328+/-0.202 χ^2/NDF: 388682.7/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

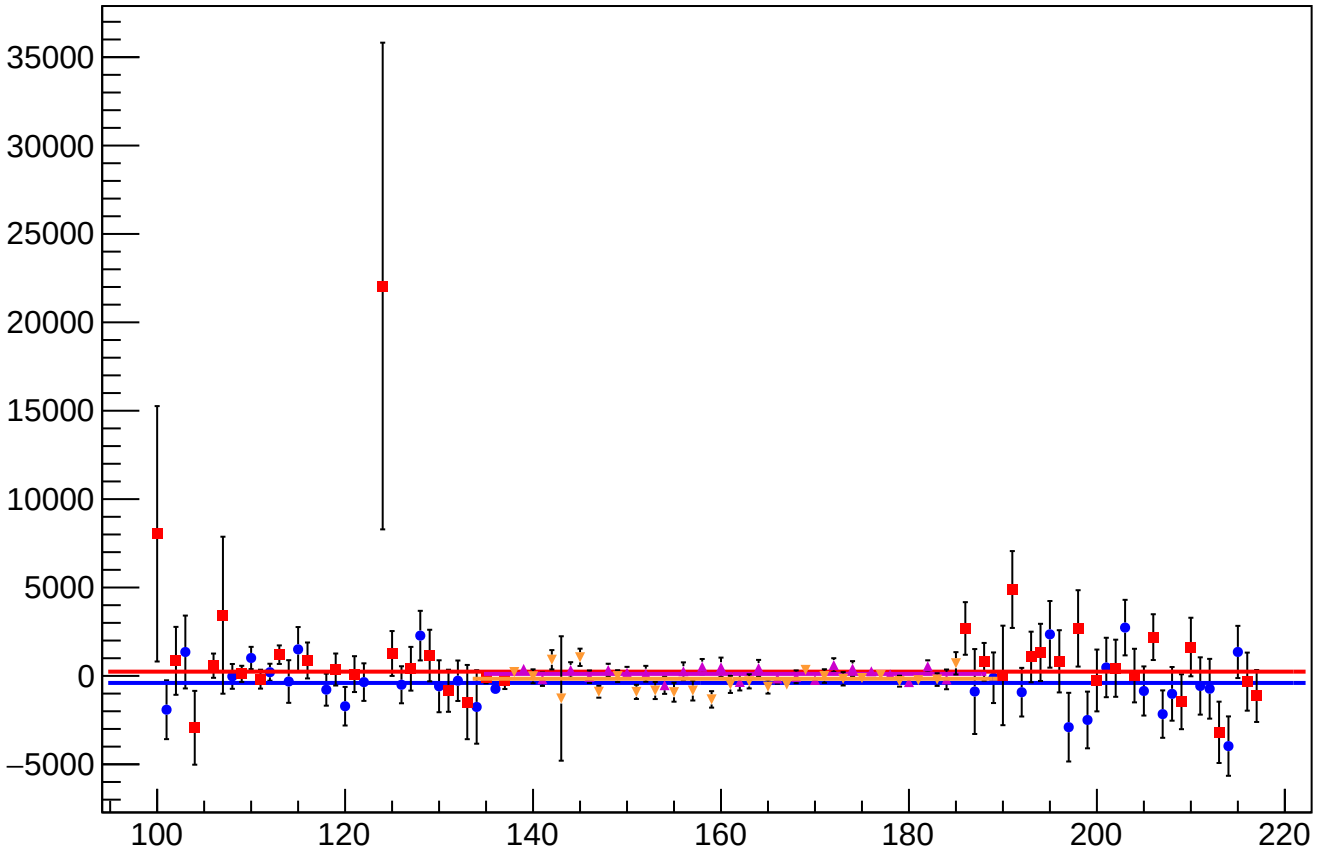
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1279.628+/-0.145 χ^2/NDF: 915816.1/66

In: 1268.492+/-0.147 χ^2/NDF:557941.2/53

Out: 1262.185+/-0.142 χ^2/NDF:538262.3/60

All: 1265.240+/-0.102 χ^2/NDF: 1097155.8/11



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: 240.820+/-155.221 χ^2/NDF: 35.0/35

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

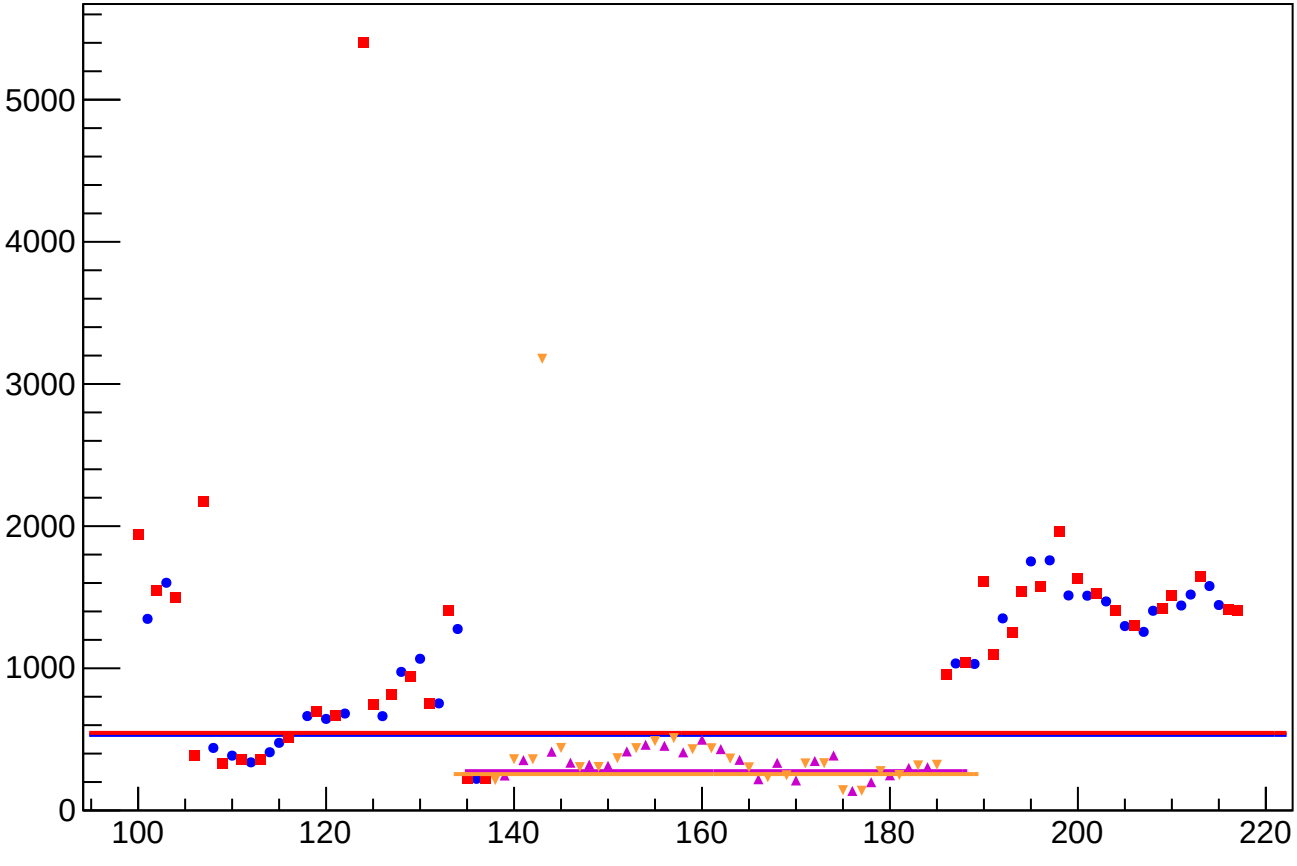
Right: -74.694+/-110.395 χ^2/NDF: 79.8/66

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -102.348+/-59.273 χ^2/NDF:84.5/60

All: -39.648+/-43.185 χ^2/NDF: 150.4/114

asym_atl_avg_atr_avg_dd_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: 545.650+/-0.110 χ^2/NDF: 16355148.3/35

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

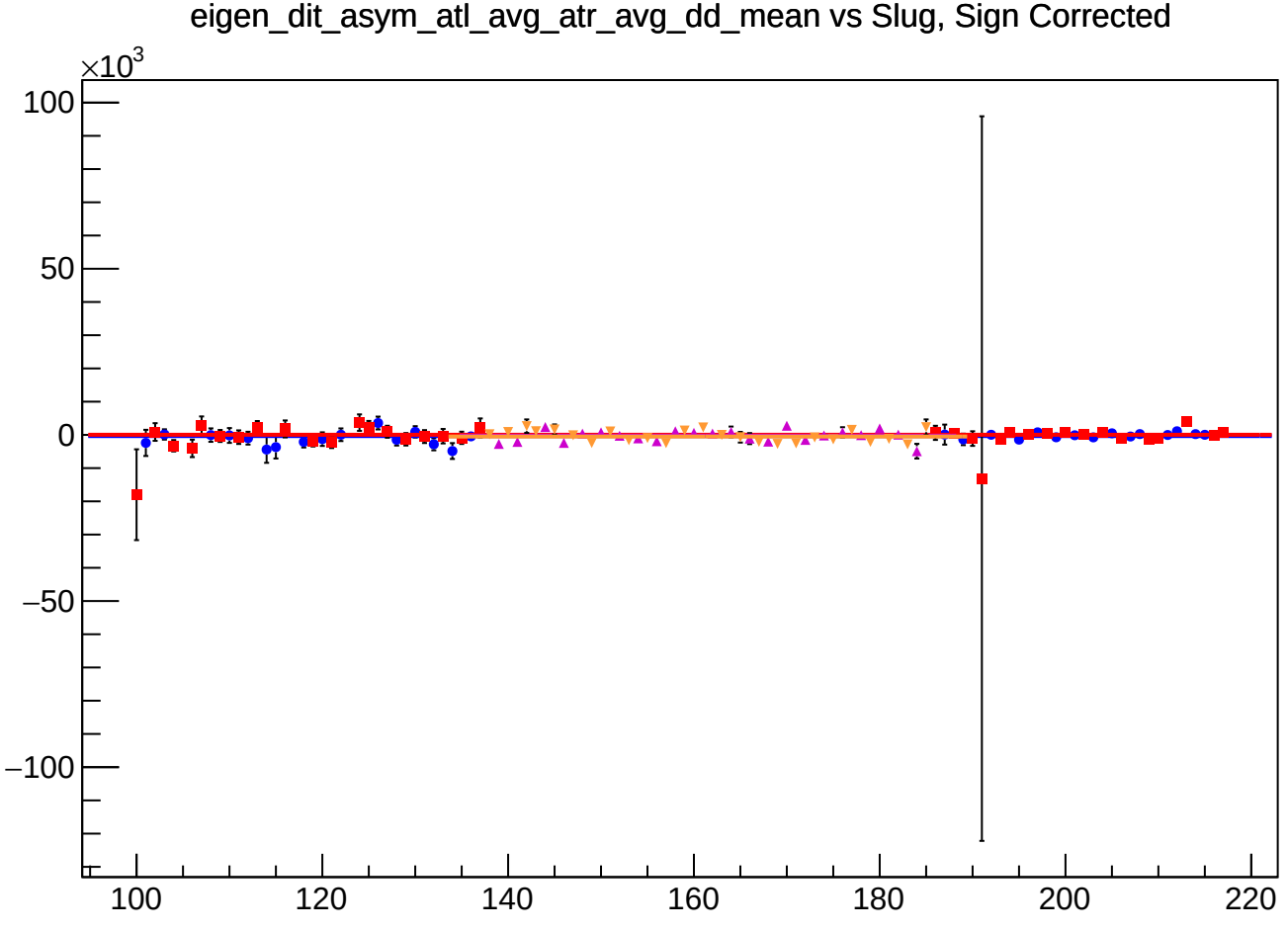
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 538.710+/-0.078 χ^2/NDF: 31770839.9/66

In: 317.452+/-0.045 χ^2/NDF:23869134.2/53

Out: 298.038+/-0.042 χ^2/NDF:28687387.3/60

All: 307.146+/-0.031 χ^2/NDF: 52657179.7/11



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: 39.236+/-286.290 χ^2/NDF: 32.0/35

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

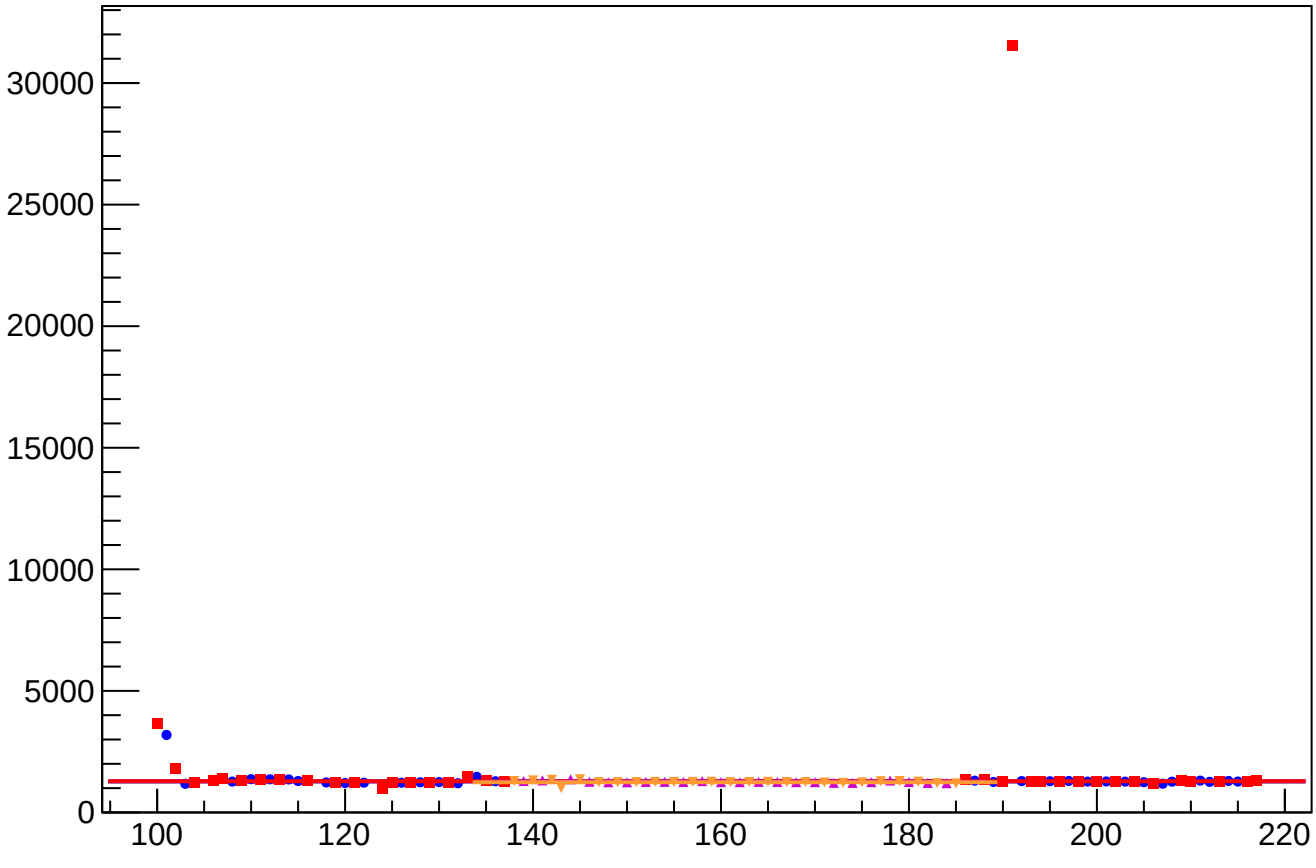
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -152.157+/-204.702 χ^2/NDF: 51.1/66

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -230.428+/-201.168 χ^2/NDF:68.0/60

All: -262.897+/-144.463 χ^2/NDF: 117.0/114



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1282.327+/-0.202 χ^2/NDF: 388683.0/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

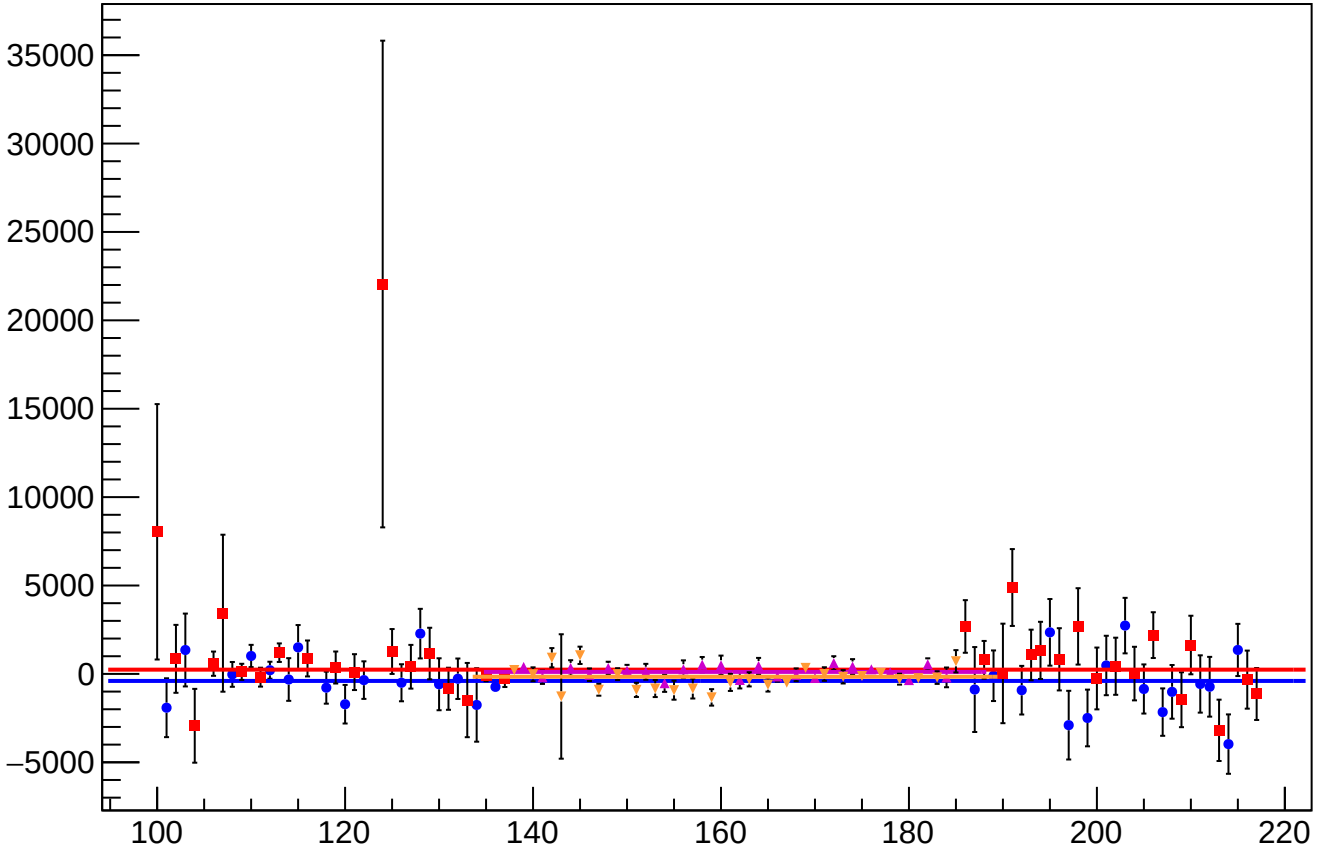
Right: 1279.628+/-0.145 χ^2/NDF: 915816.4/66

In: 1268.492+/-0.147 χ^2/NDF:557941.3/53

Out: 1262.185+/-0.142 χ^2/NDF:538261.8/60

All: 1265.240+/-0.102 χ^2/NDF: 1097155.3/11

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: 240.827+/-155.223 χ^2/NDF: 35.0/35

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

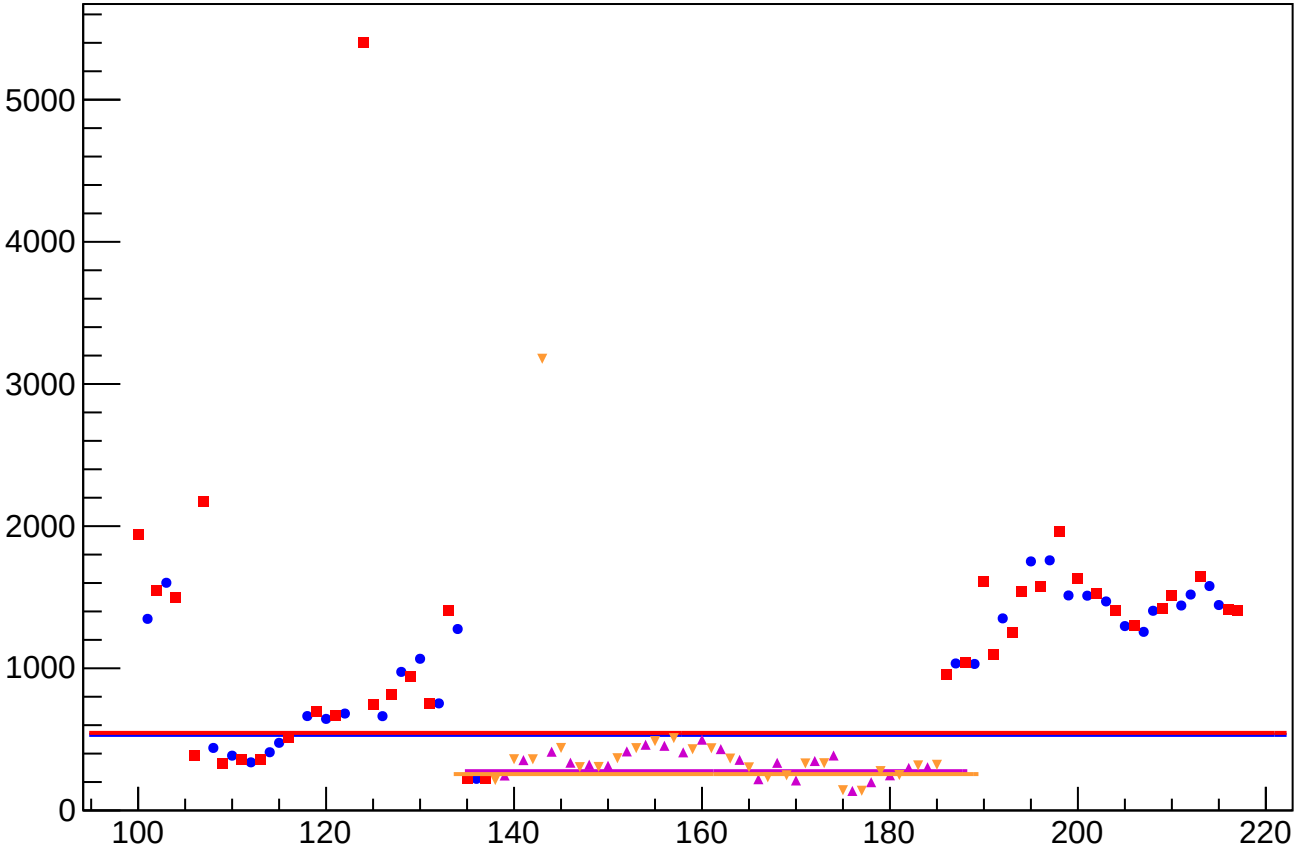
Right: -74.690+/-110.396 χ^2/NDF: 79.8/66

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -102.350+/-59.273 χ^2/NDF:84.5/60

All: -39.649+/-43.186 χ^2/NDF: 150.4/114

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: 545.661+/-0.110 χ^2/NDF: 16354804.0/35

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

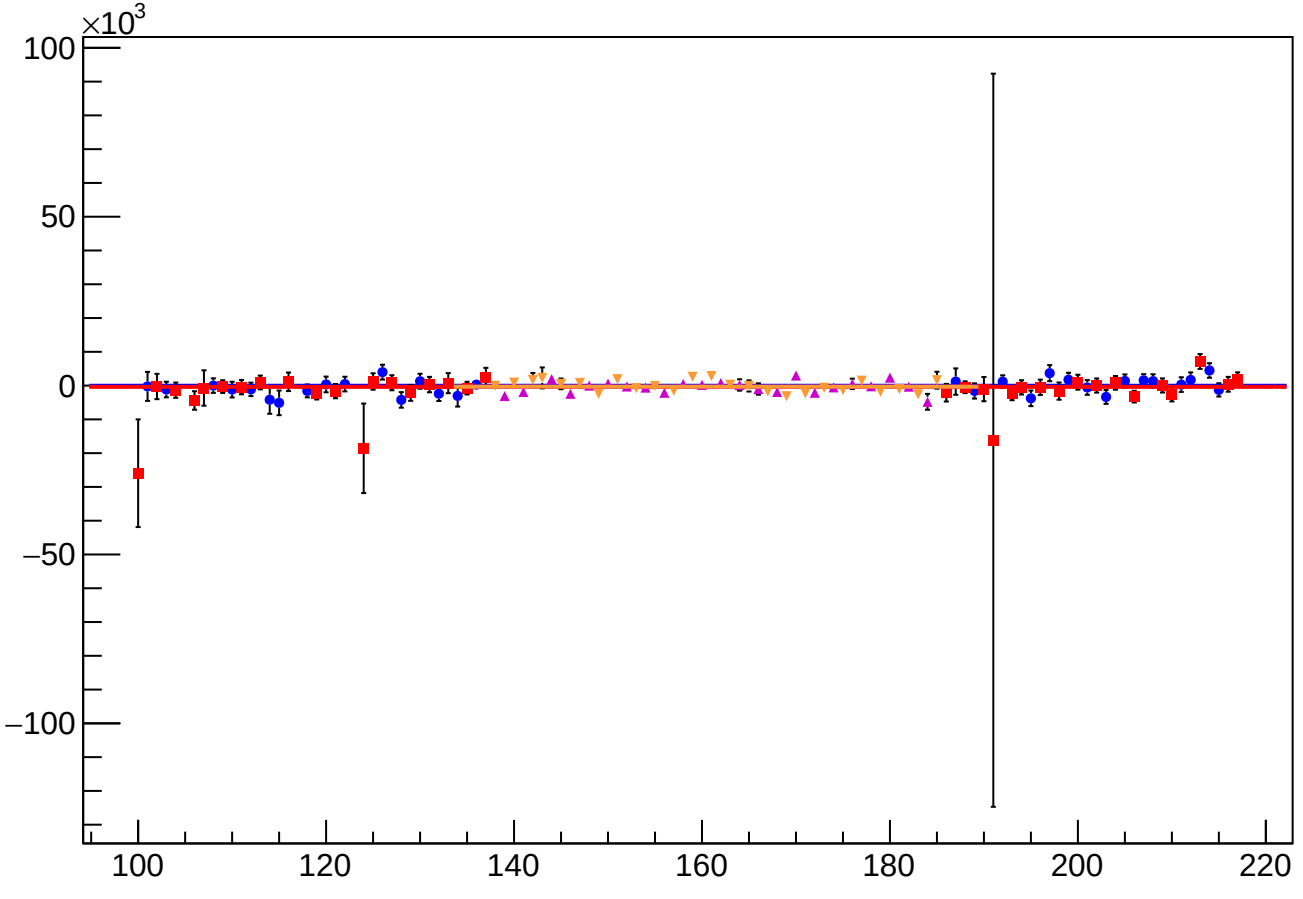
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 538.722+/-0.078 χ^2/NDF: 31770045.0/66

In: 317.453+/-0.045 χ^2/NDF:23868971.0/53

Out: 298.040+/-0.042 χ^2/NDF:28687184.0/60

All: 307.148+/-0.031 χ^2/NDF: 52656807.6/11



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: -376.597+/-389.381 χ^2/NDF: 30.7/35

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

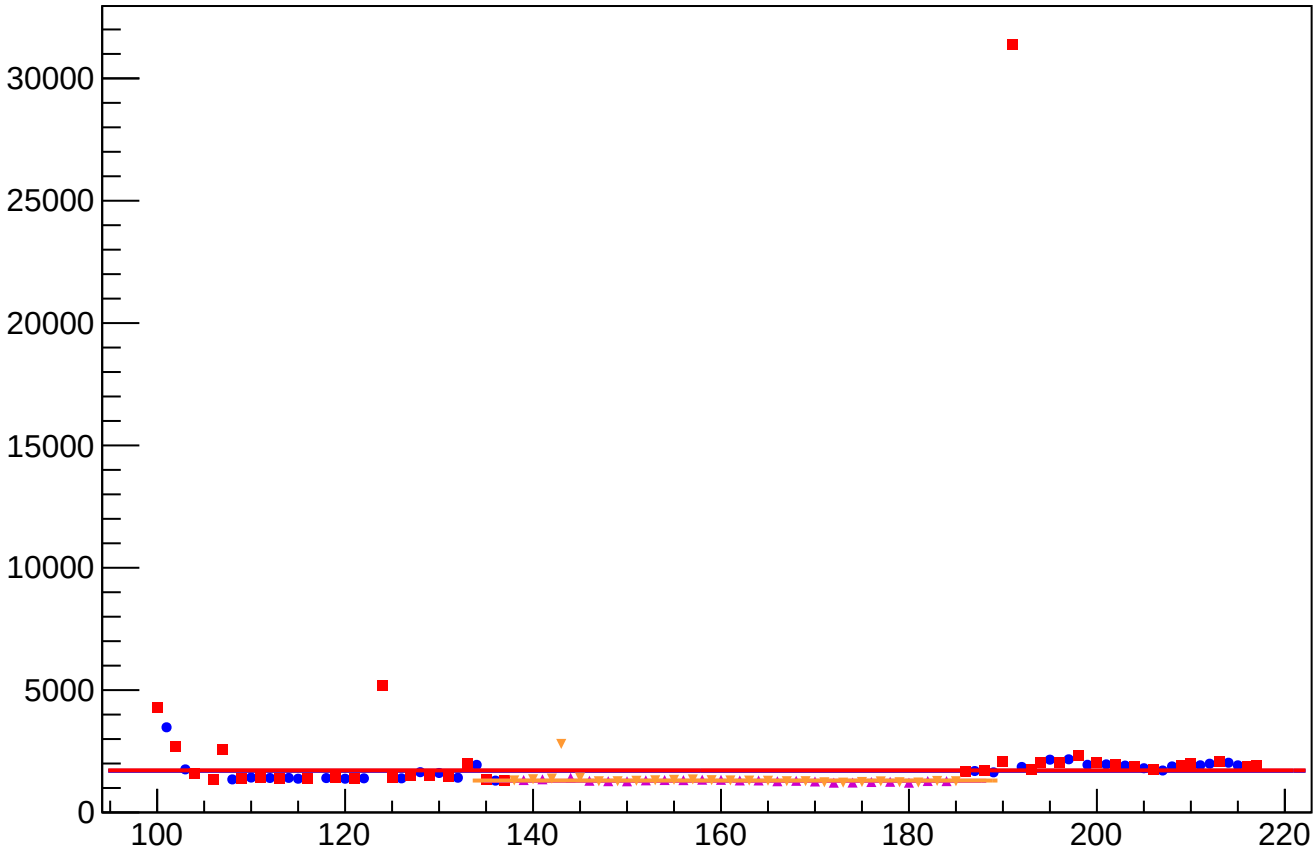
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -213.734+/-277.099 χ^2/NDF: 61.3/66

In: -241.950+/-239.735 χ^2/NDF:60.3/53

Out: -340.768+/-236.784 χ^2/NDF:62.3/60

All: -291.970+/-168.465 χ^2/NDF: 122.6/114



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: 1720.339+/-0.275 χ^2/NDF: 1537129.1/35

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

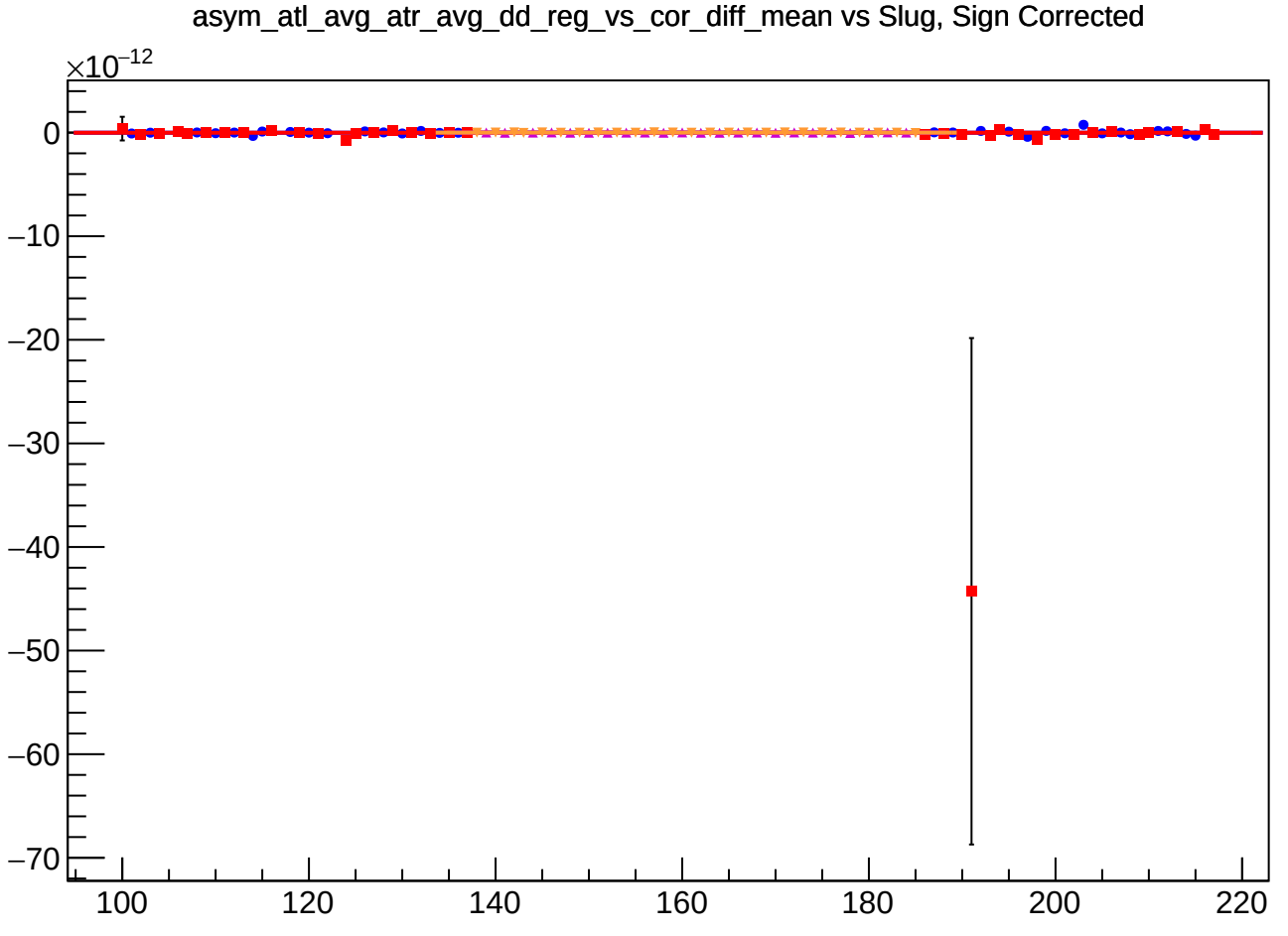
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1710.897+/-0.196 χ^2/NDF: 2819483.3/66

In: 1443.254+/-0.170 χ^2/NDF:2684952.3/53

Out: 1458.057+/-0.167 χ^2/NDF:3496649.6/60

All: 1450.747+/-0.119 χ^2/NDF: 6185462.2/11



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: 43.7/35

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

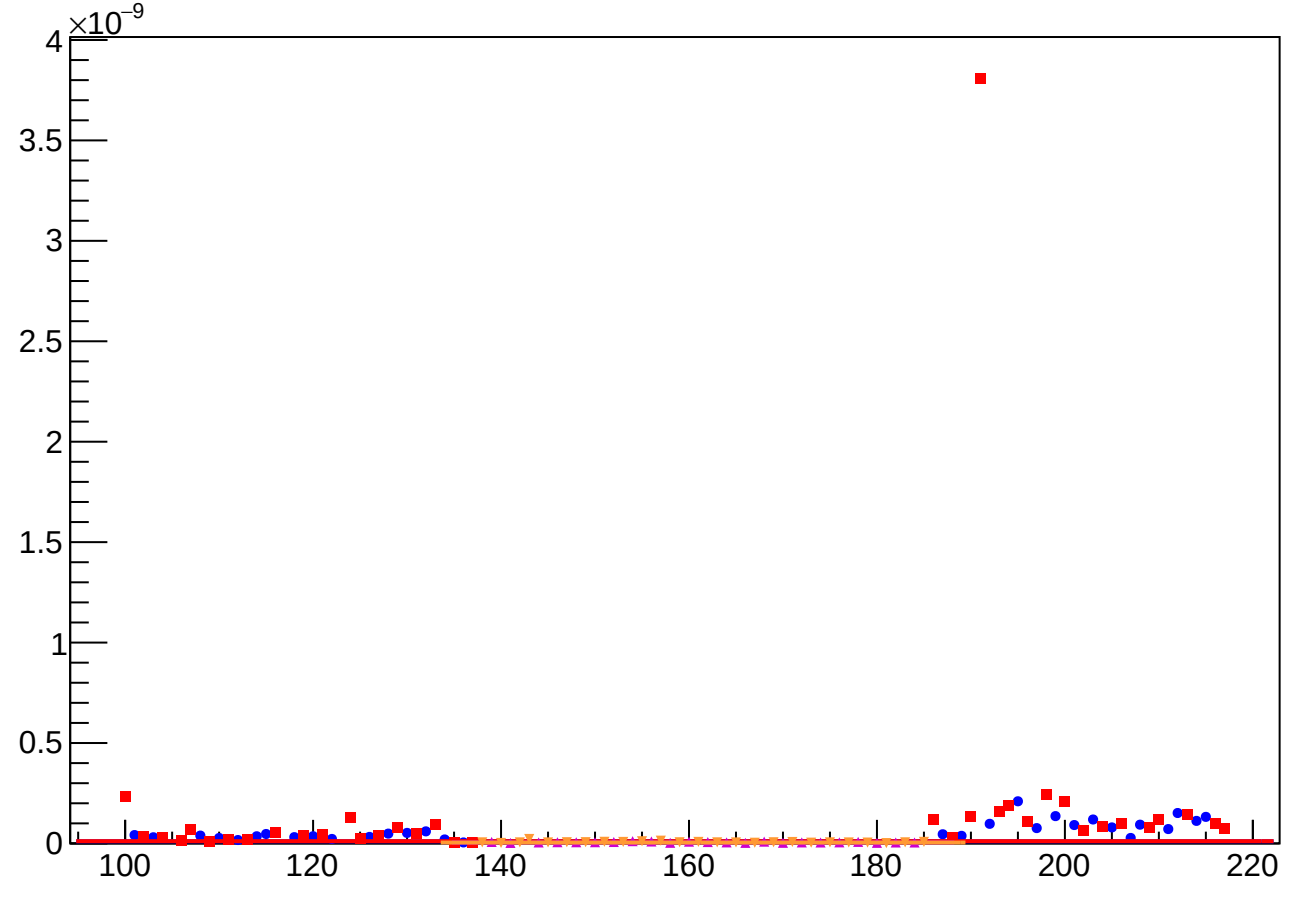
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 77.9/66

In: -0.000+/-0.000 χ^2/NDF:65.8/53

Out: -0.000+/-0.000 χ^2/NDF:70.9/60

All: -0.000+/-0.000 χ^2/NDF: 137.0/114



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: 12261856.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

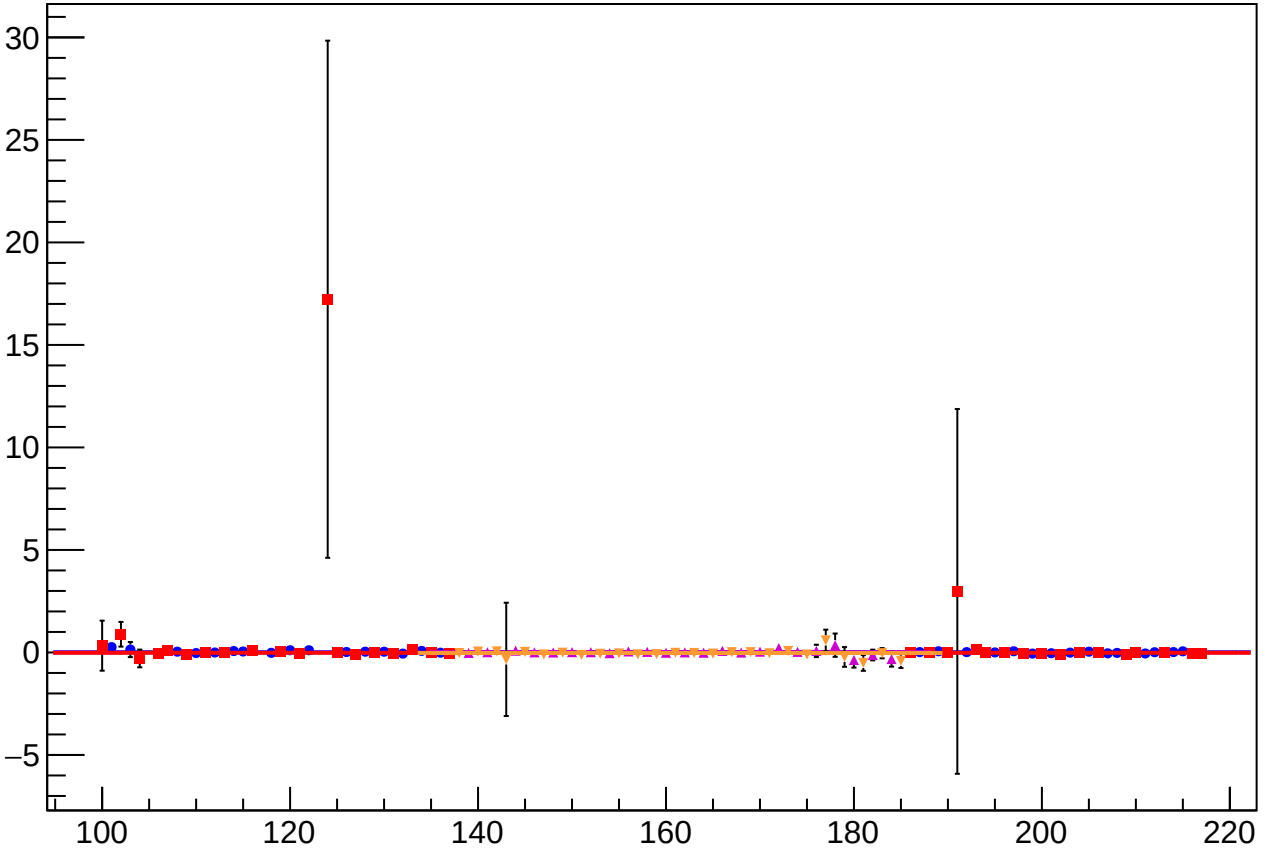
Right: 0.000+/-0.000 χ^2/NDF: 22491704.5/66

In: 0.000+/-0.000 χ^2/NDF:13293983.0/53

Out: 0.000+/-0.000 χ^2/NDF:16430213.8/60

All: 0.000+/-0.000 χ^2/NDF: 29753204.9/114

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

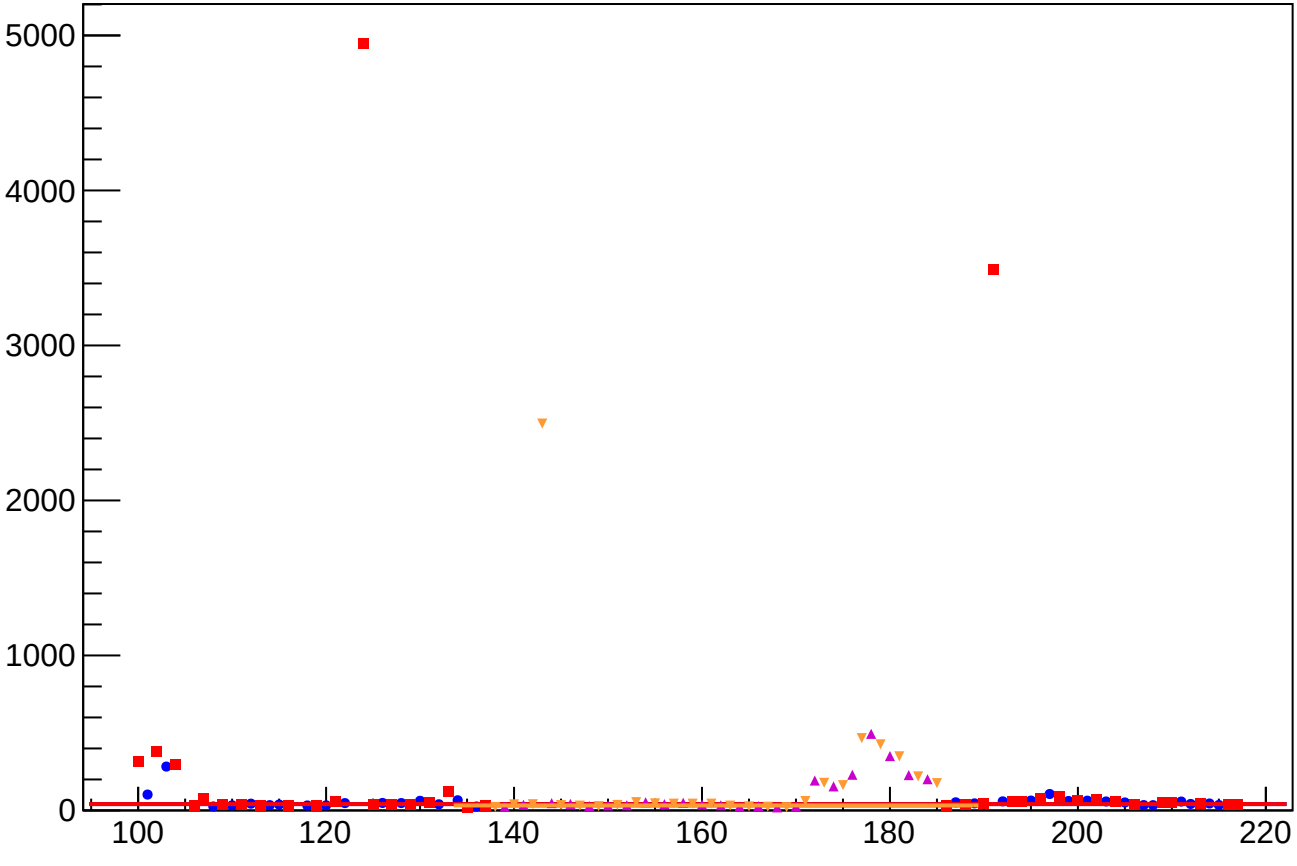
Right: -0.003+/-0.007 χ^2/NDF: 48.4/66

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.2/114

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: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

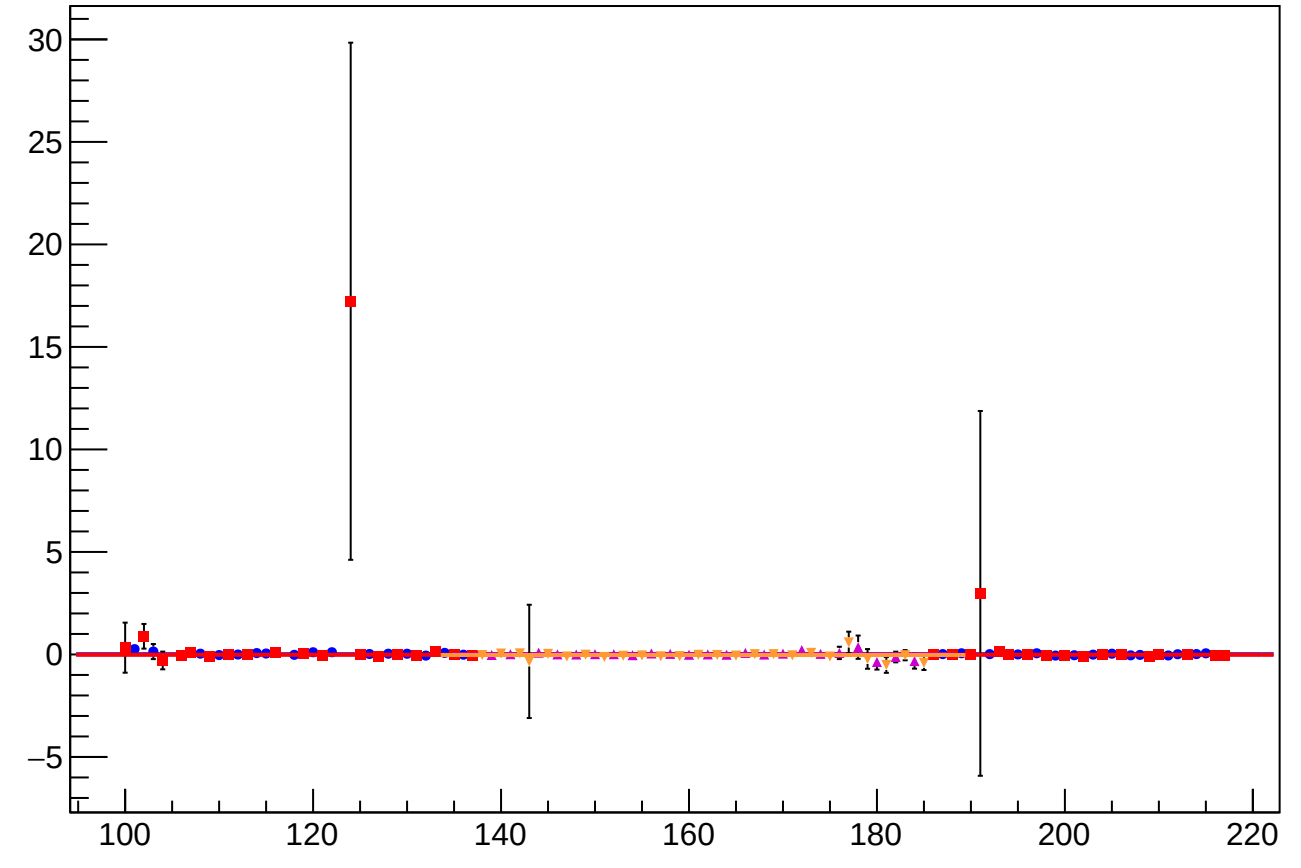
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.127+/-0.005 χ^2/NDF: 9853710.0/66

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.410+/-0.005 χ^2/NDF:17133905.3/60

All: 36.451+/-0.004 χ^2/NDF: 31117885.0/114



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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

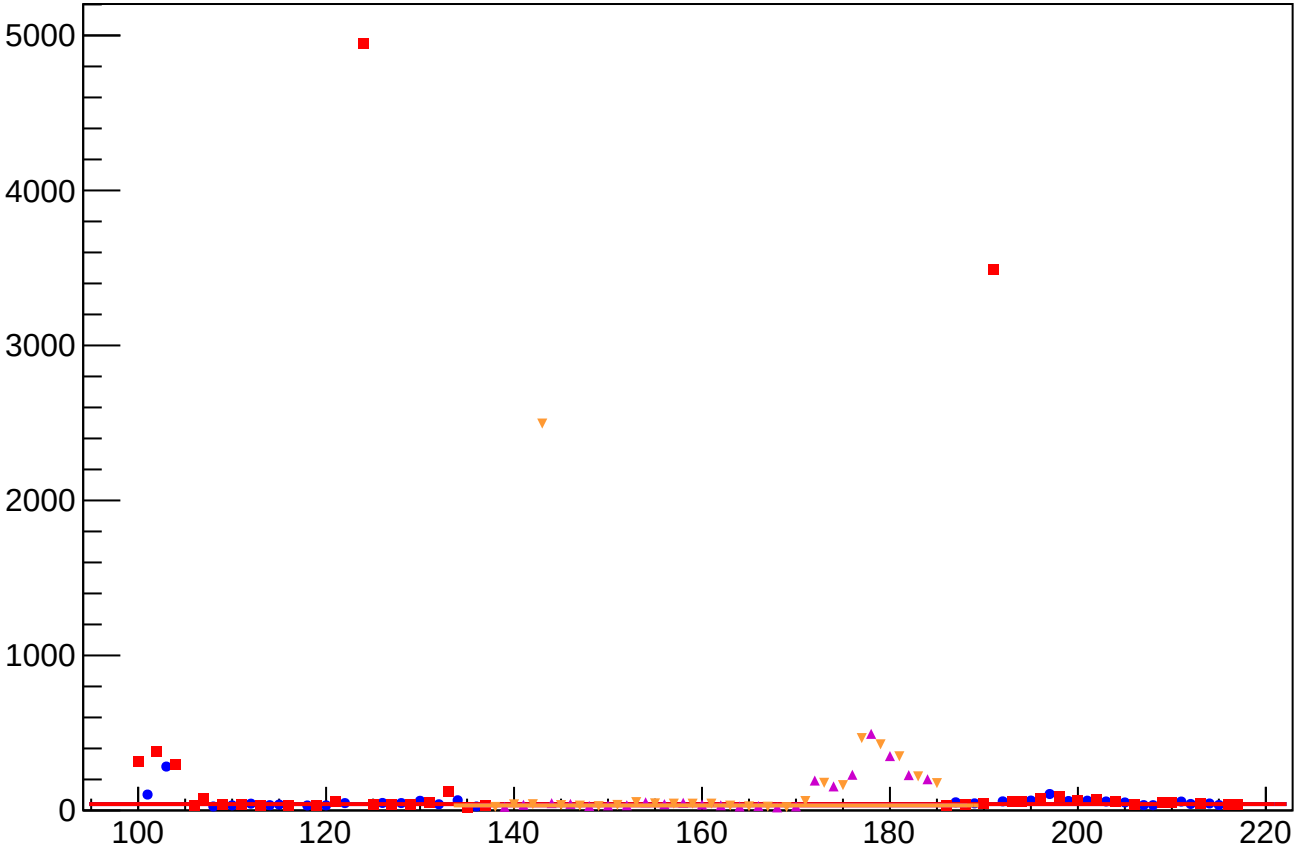
Right: -0.003+/-0.007 χ^2/NDF: 48.4/66

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.2/114

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: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

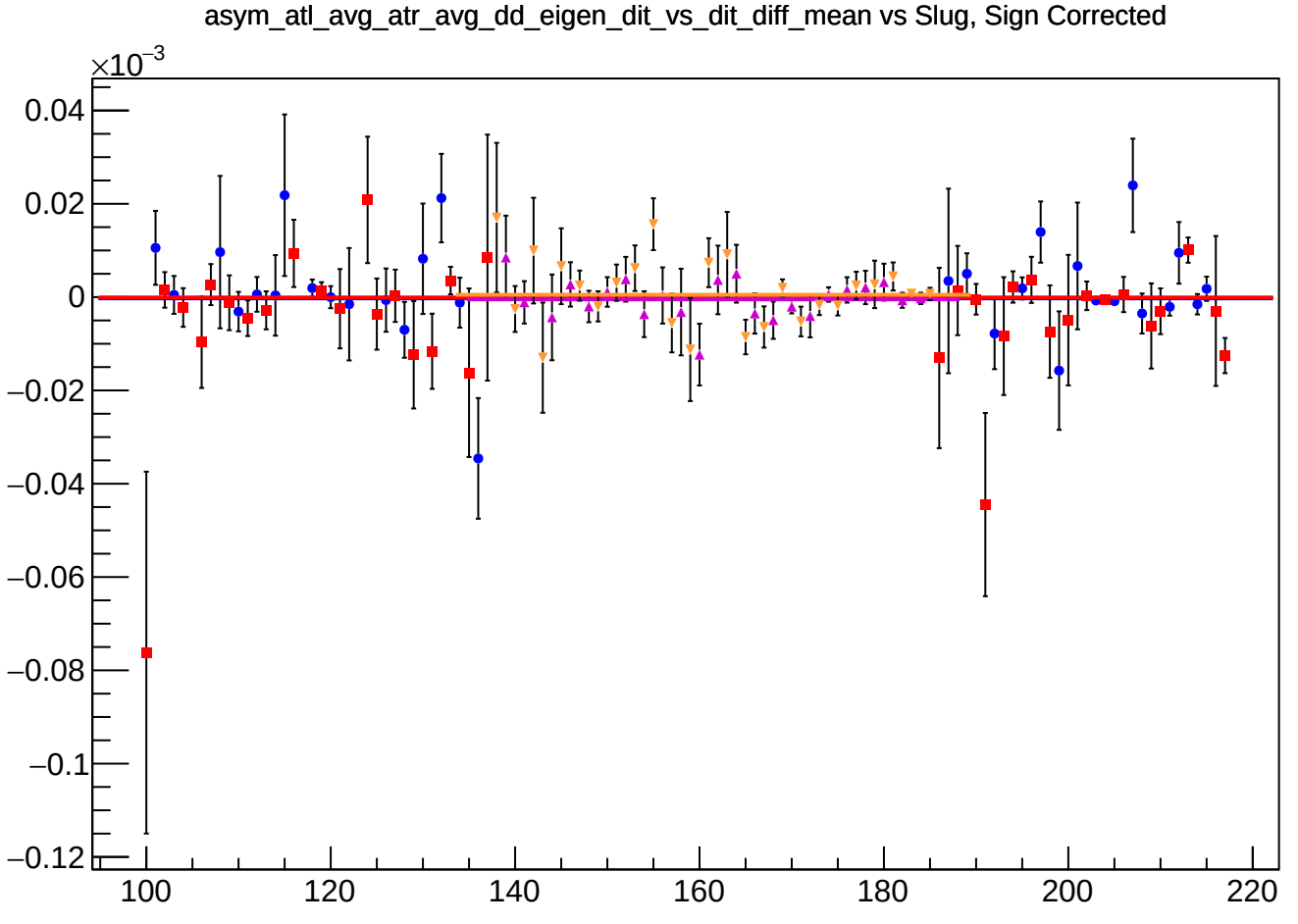
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.127+/-0.005 χ^2/NDF: 9853710.0/66

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.410+/-0.005 χ^2/NDF:17133905.3/60

All: 36.451+/-0.004 χ^2/NDF: 31117885.0/114



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: 52.0/35

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

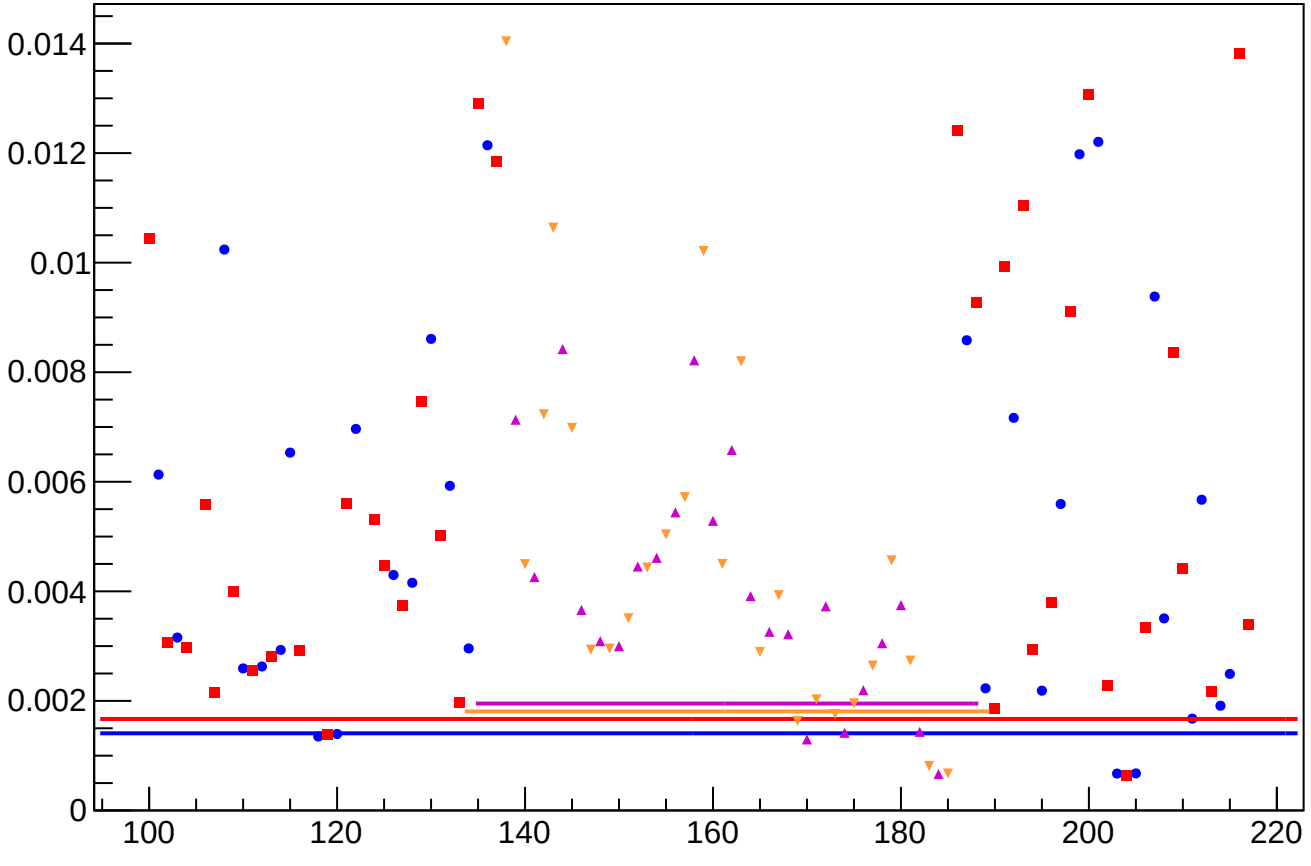
Right: -0.000+/-0.000 χ^2/NDF: 92.9/66

In: -0.000+/-0.000 χ^2/NDF:54.6/53

Out: 0.000+/-0.000 χ^2/NDF:88.3/60

All: -0.000+/-0.000 χ^2/NDF: 144.0/114

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: 18856042.8/35

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

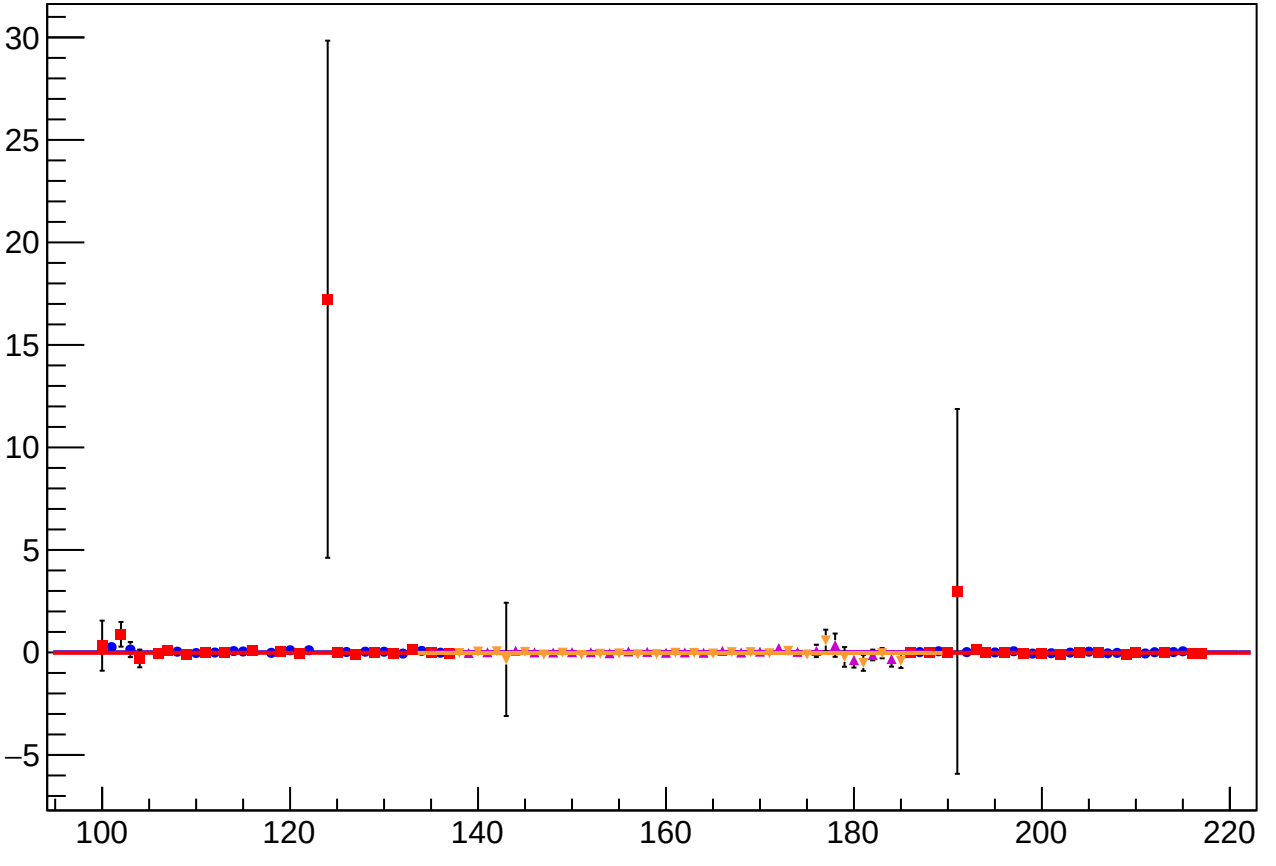
Right: 0.002+/-0.000 χ^2/NDF: 36423346.1/66

In: 0.002+/-0.000 χ^2/NDF:29815586.4/53

Out: 0.002+/-0.000 χ^2/NDF:33861050.2/60

All: 0.002+/-0.000 χ^2/NDF: 63771833.6/114

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

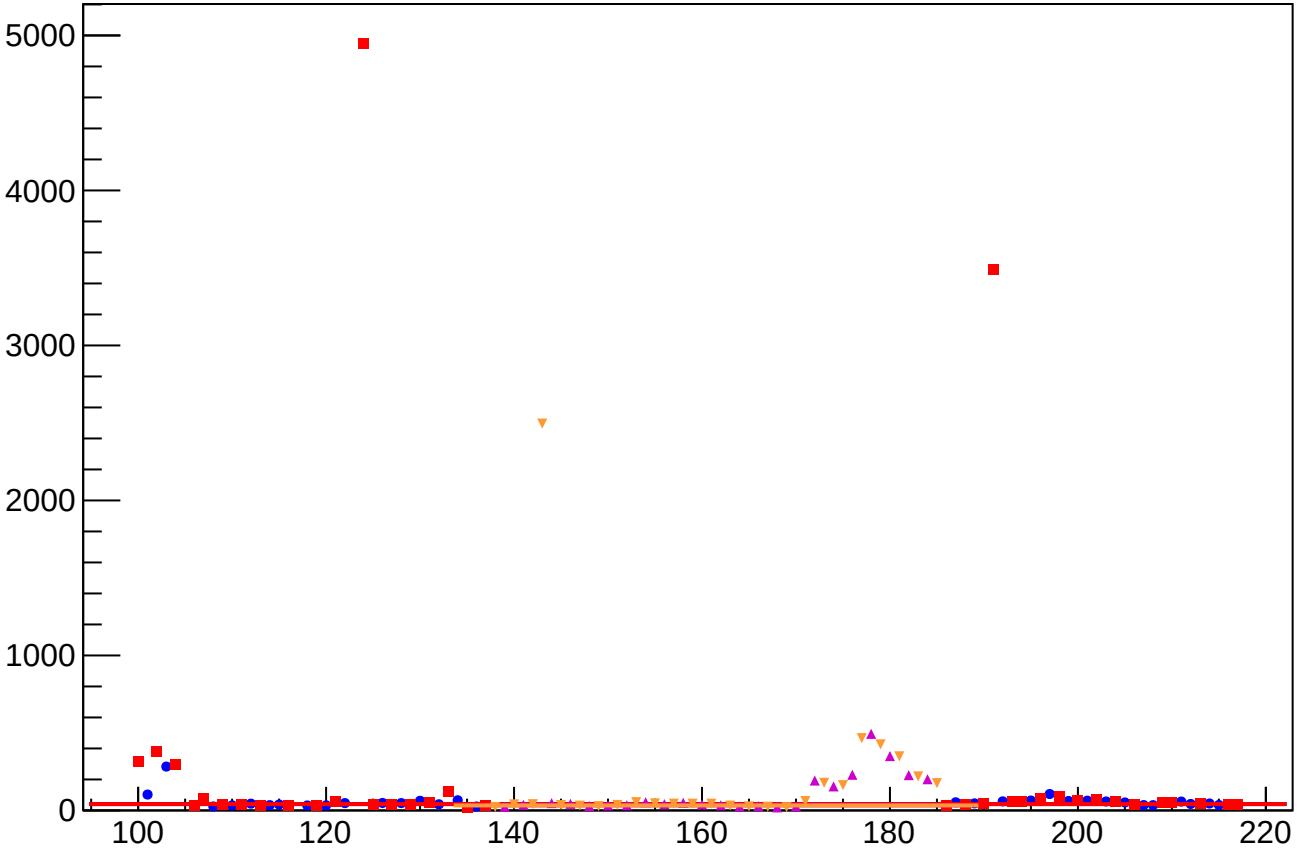
Right: -0.003+/-0.007 χ^2/NDF: 48.4/66

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.2/114

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: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

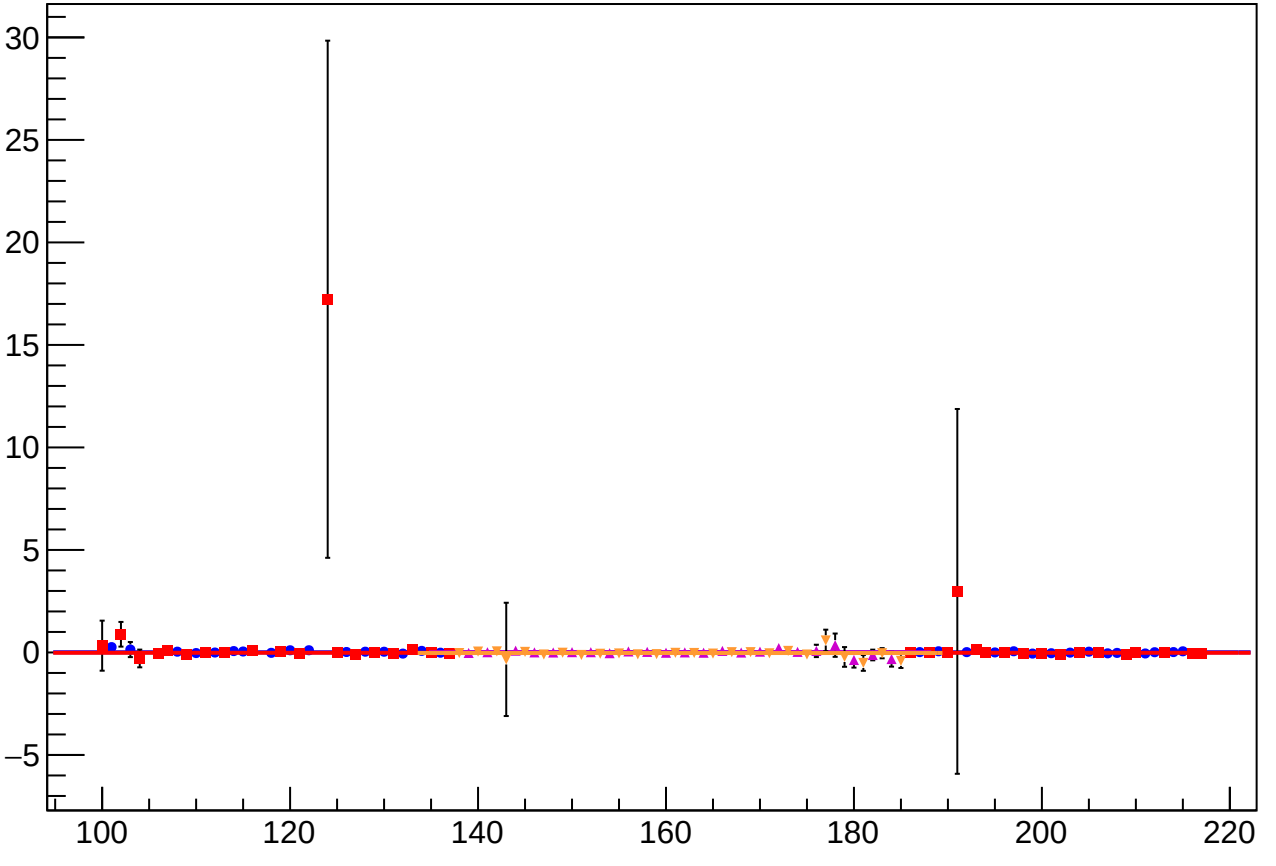
Right: 41.127+/-0.005 χ^2/NDF: 9853169.5/66

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.410+/-0.005 χ^2/NDF:17134000.2/60

All: 36.451+/-0.004 χ^2/NDF: 31118515.3/114

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

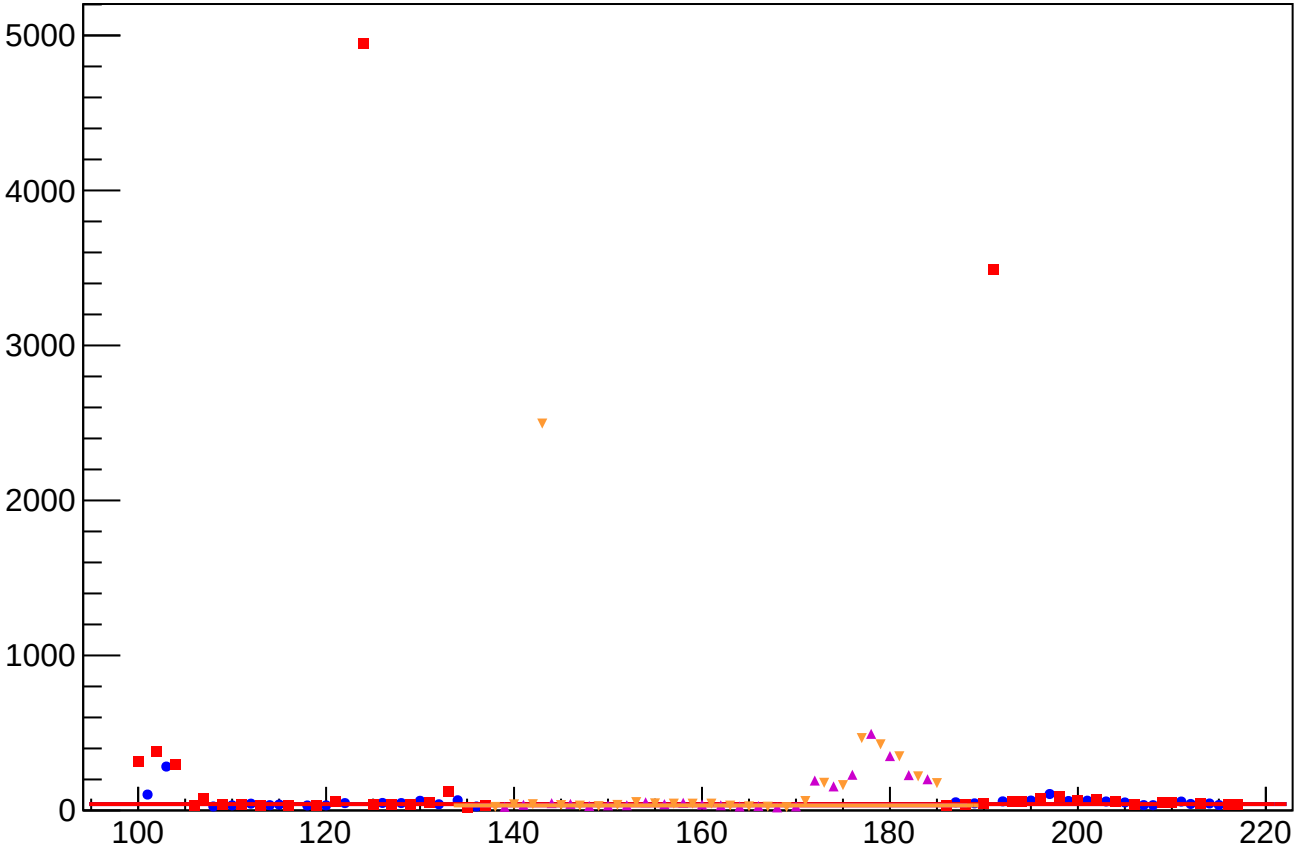
Right: -0.003+/-0.007 χ^2/NDF: 48.4/66

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.2/114

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: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

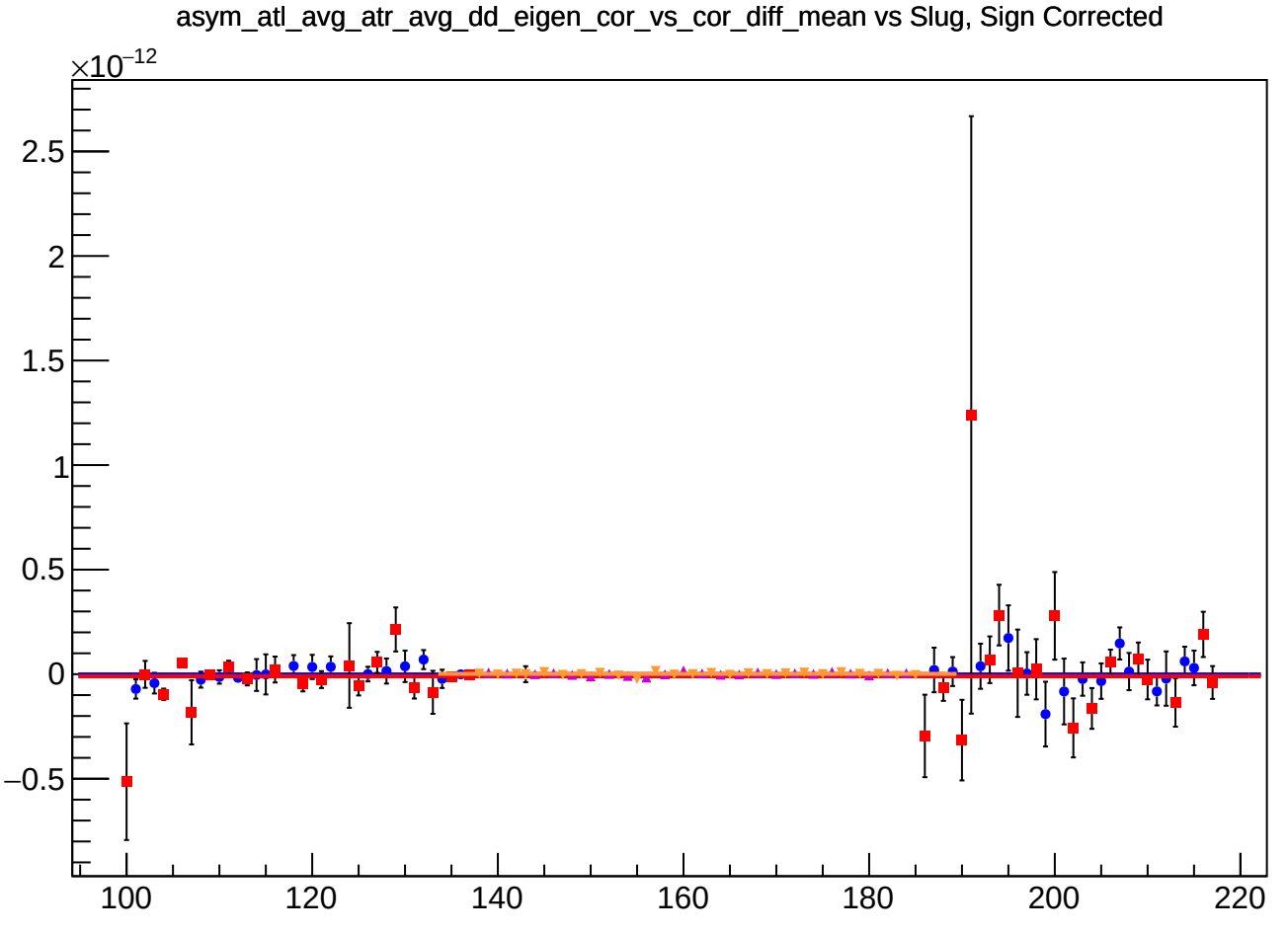
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.127+/-0.005 χ^2/NDF: 9853169.5/66

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.410+/-0.005 χ^2/NDF:17134000.2/60

All: 36.451+/-0.004 χ^2/NDF: 31118515.3/114



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: 65.0/35

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

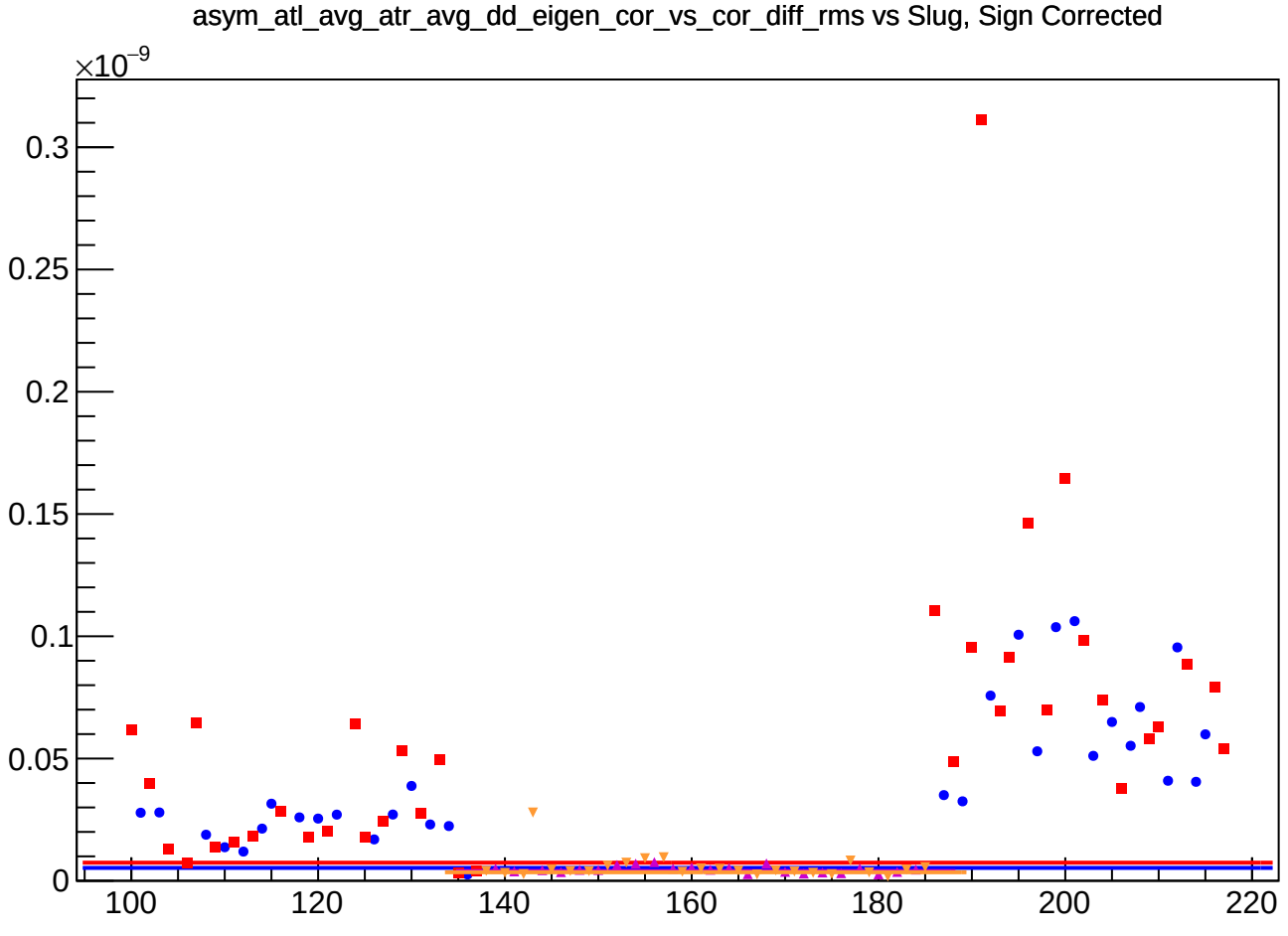
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

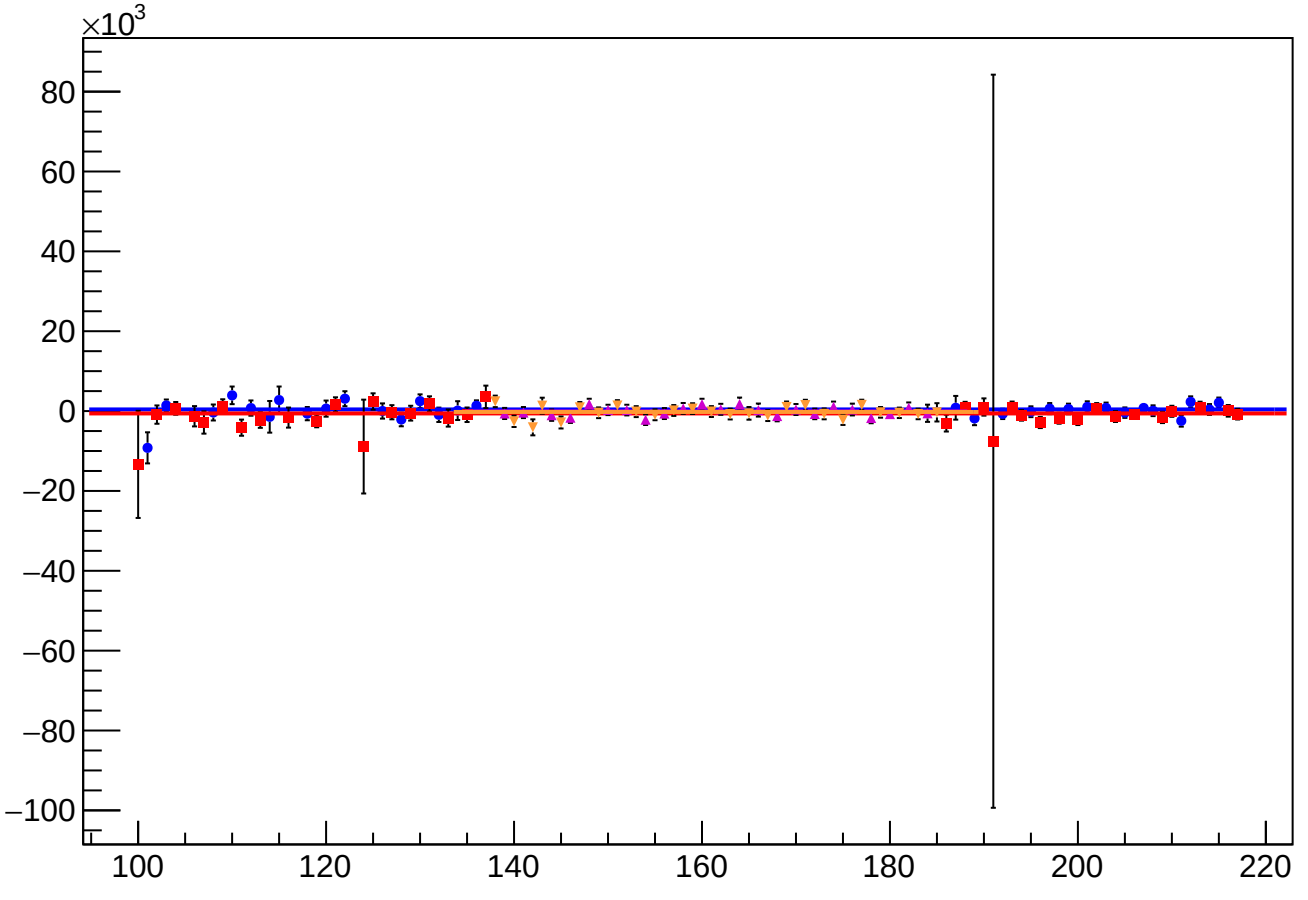
Right: -0.000+/-0.000 χ^2/NDF: 86.2/66

In: 0.000+/-0.000 χ^2/NDF:47.3/53

Out: 0.000+/-0.000 χ^2/NDF:90.7/60

All: 0.000+/-0.000 χ^2/NDF: 138.1/114


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 15898013.8/30
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 17002274.1/35
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 33222097.0/66
In: 0.000+/-0.000 χ²/NDF:18237421.7/53
Out: 0.000+/-0.000 χ²/NDF:23390379.9/60
All: 0.000+/-0.000 χ²/NDF: 41752539.1/114



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: -592.089+/-283.572 χ^2/NDF: 29.7/35

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

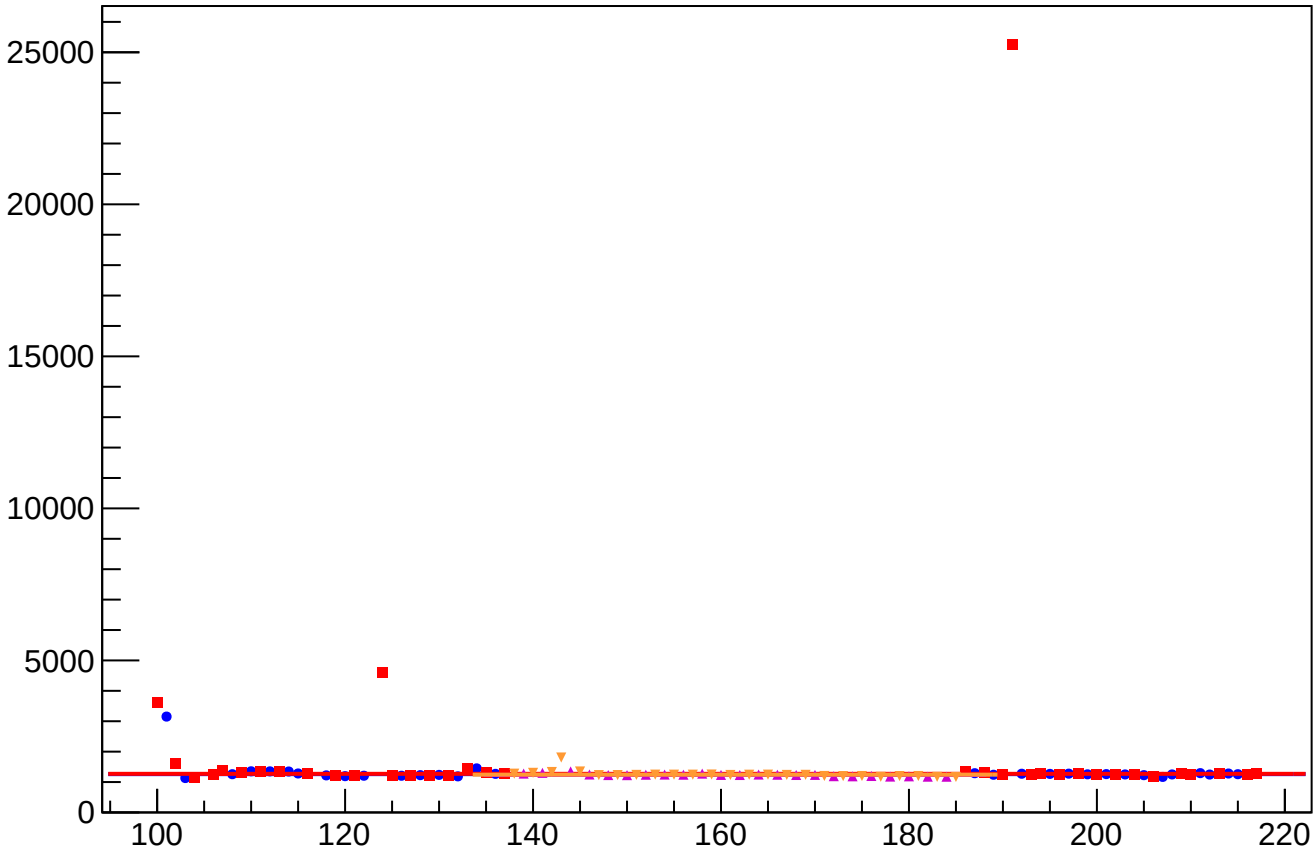
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -99.681+/-202.393 χ^2/NDF: 64.1/66

In: 158.955+/-204.061 χ^2/NDF:44.4/53

Out: -406.066+/-200.333 χ^2/NDF:54.5/60

All: -128.764+/-142.957 χ^2/NDF: 102.8/114



Right In: 1259.920+/-0.204 χ^2/NDF: 535655.7/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.301+/-0.201 χ^2/NDF: 487261.4/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

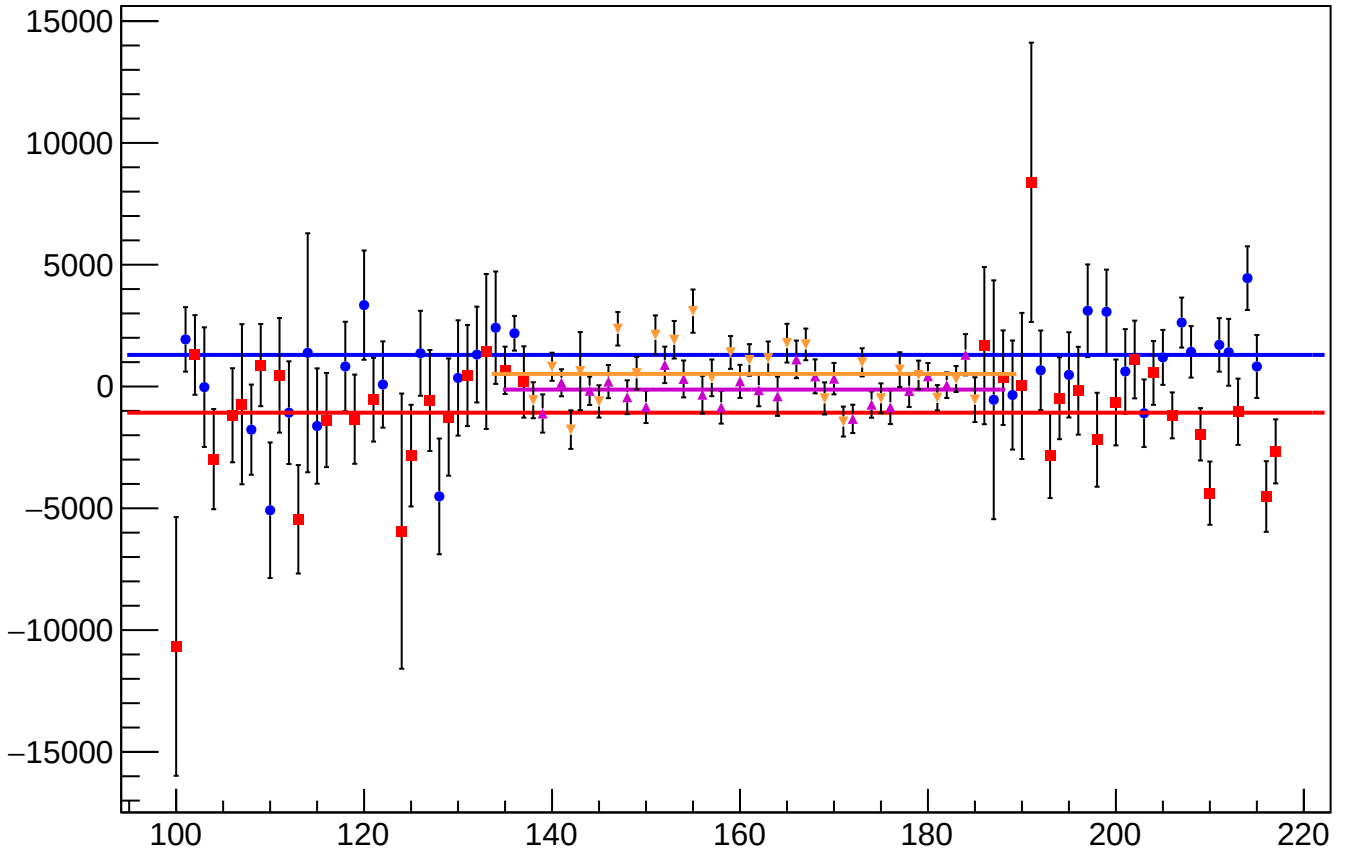
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1265.208+/-0.143 χ^2/NDF: 1024231.9/66

In: 1246.803+/-0.144 χ^2/NDF:583159.8/53

Out: 1256.538+/-0.142 χ^2/NDF:699966.0/60

All: 1251.760+/-0.101 χ^2/NDF: 1285443.7/11



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: -1075.028+/-283.955 χ^2/NDF: 42.2/35

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

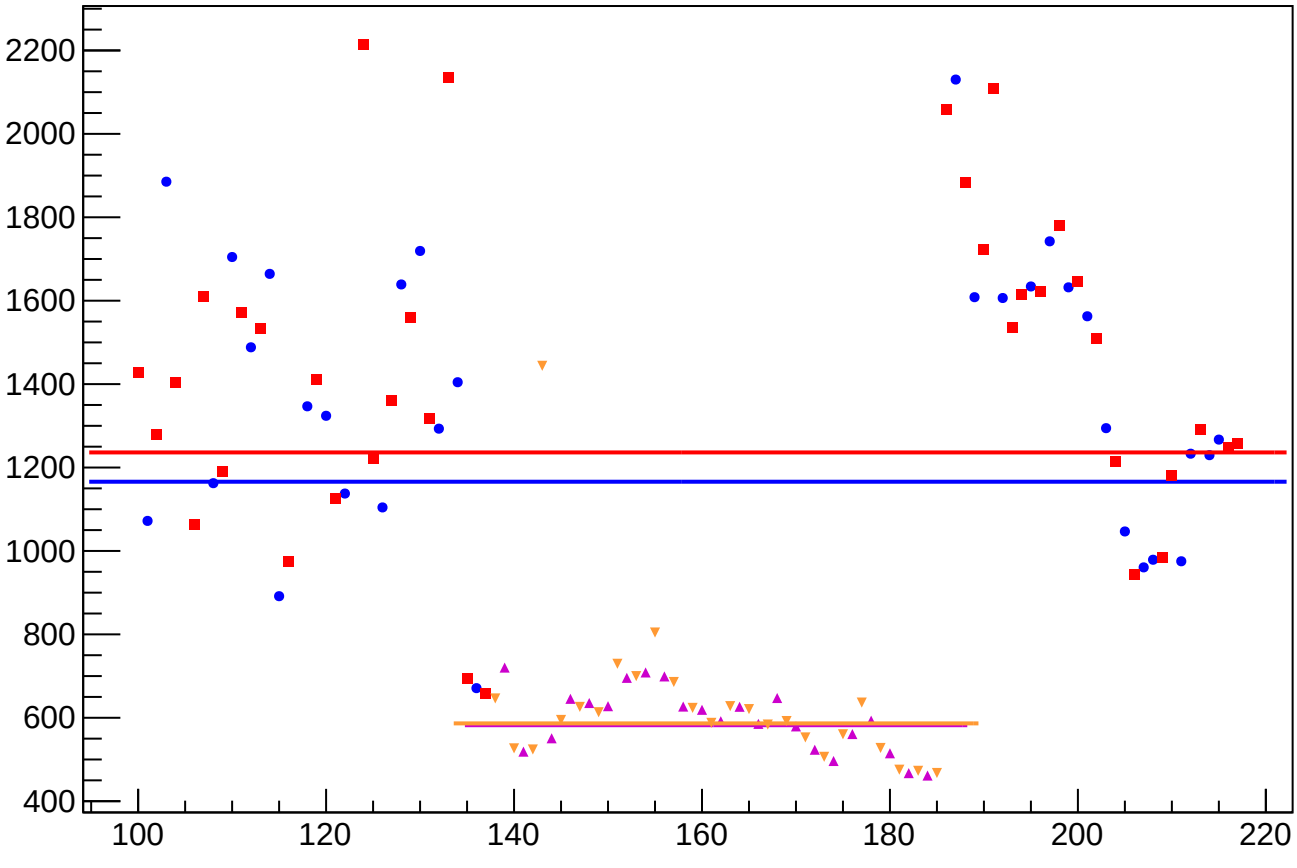
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 143.653+/-198.029 χ^2/NDF: 112.6/66

In: 155.334+/-122.933 χ^2/NDF:77.4/53

Out: 220.676+/-122.471 χ^2/NDF:134.8/60

All: 188.128+/-86.763 χ^2/NDF: 212.4/114



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: 1236.212+/-0.201 χ^2/NDF: 2738450.0/35

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

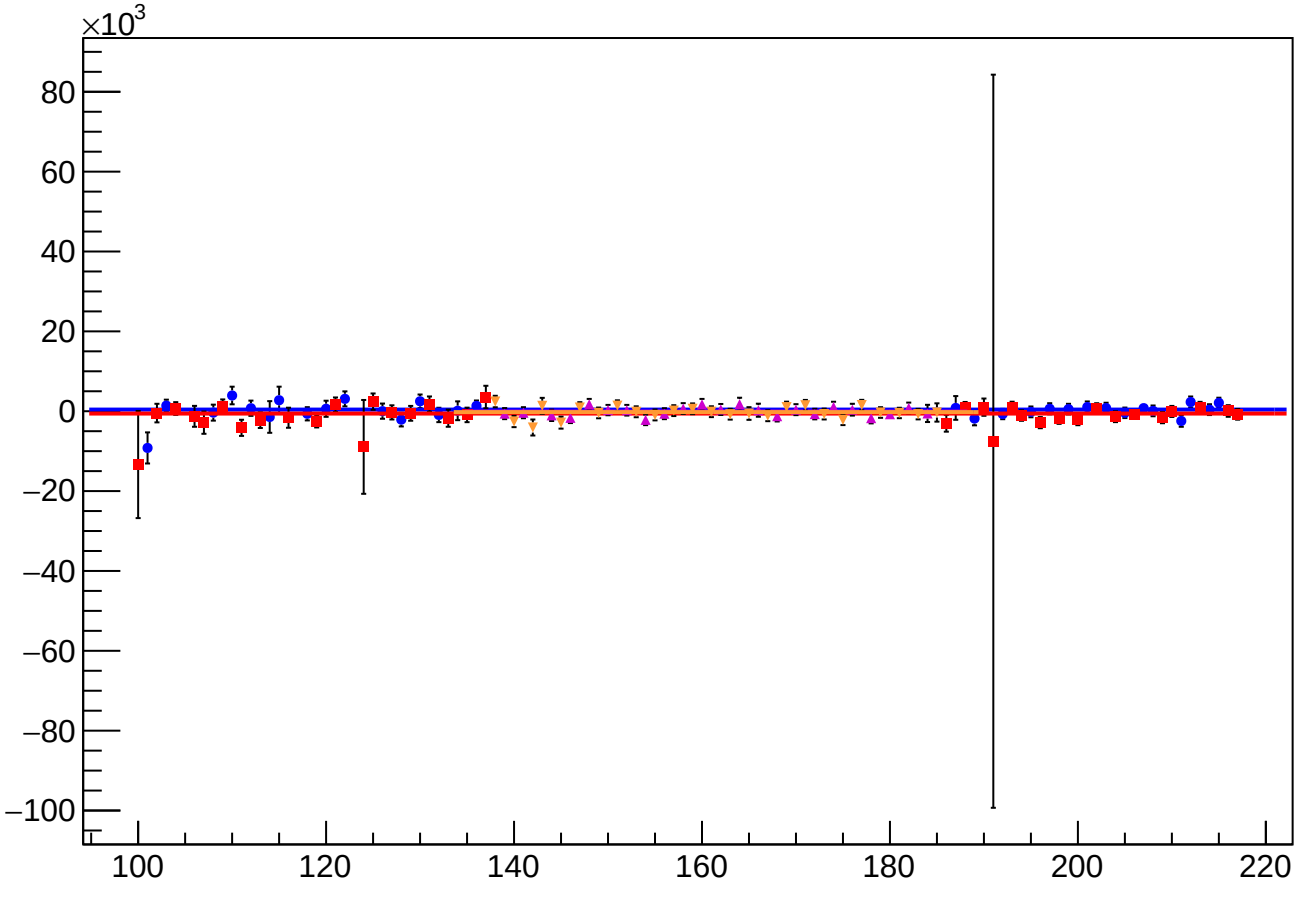
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1200.135+/-0.140 χ^2/NDF: 5508797.7/66

In: 697.744+/-0.087 χ^2/NDF:10427132.1/53

Out: 707.409+/-0.087 χ^2/NDF:12462734.1/60

All: 702.594+/-0.061 χ^2/NDF: 22896070.3/11



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: -585.051+/-283.740 χ^2/NDF: 29.7/35

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

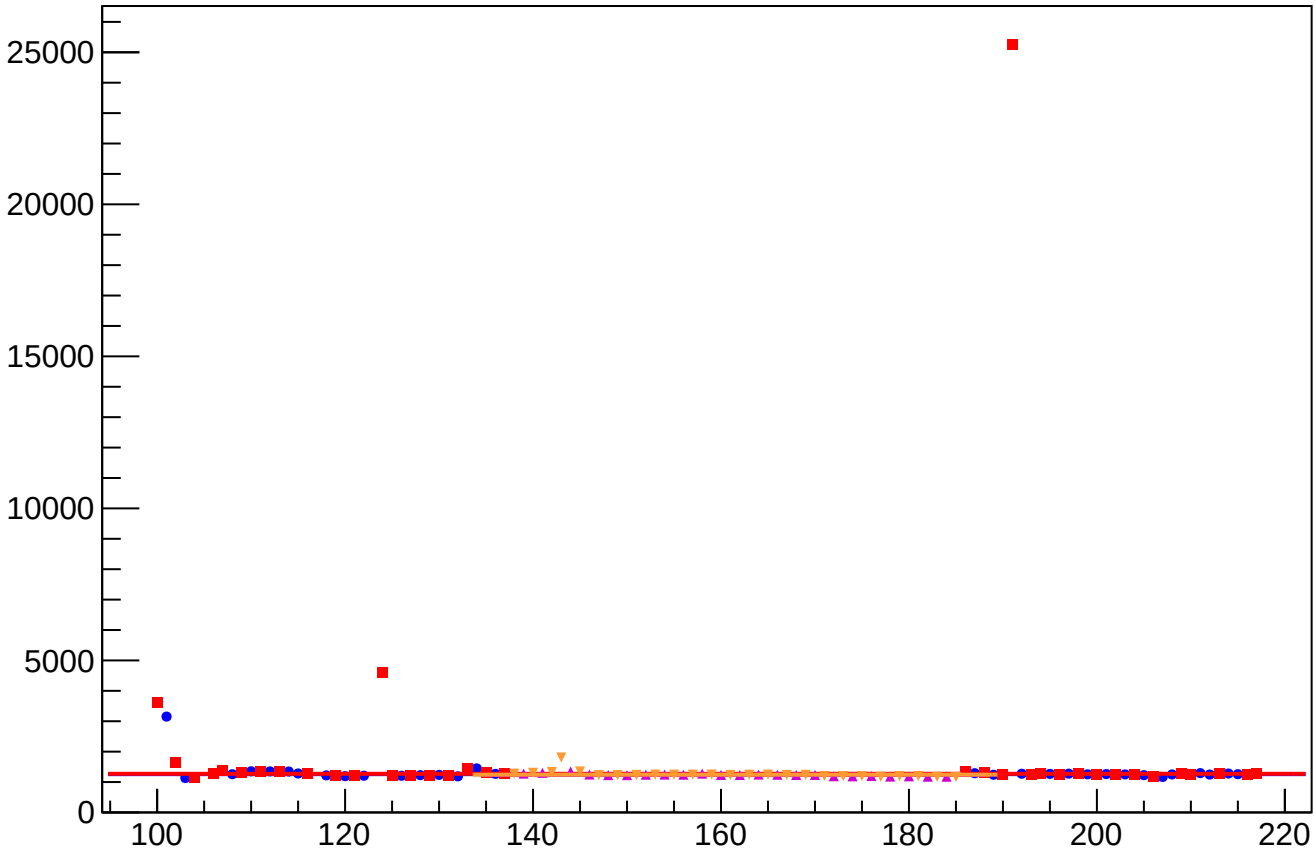
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -95.712+/-202.453 χ^2/NDF: 64.0/66

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -402.463+/-200.392 χ^2/NDF:54.5/60

All: -126.819+/-142.978 χ^2/NDF: 102.7/114



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

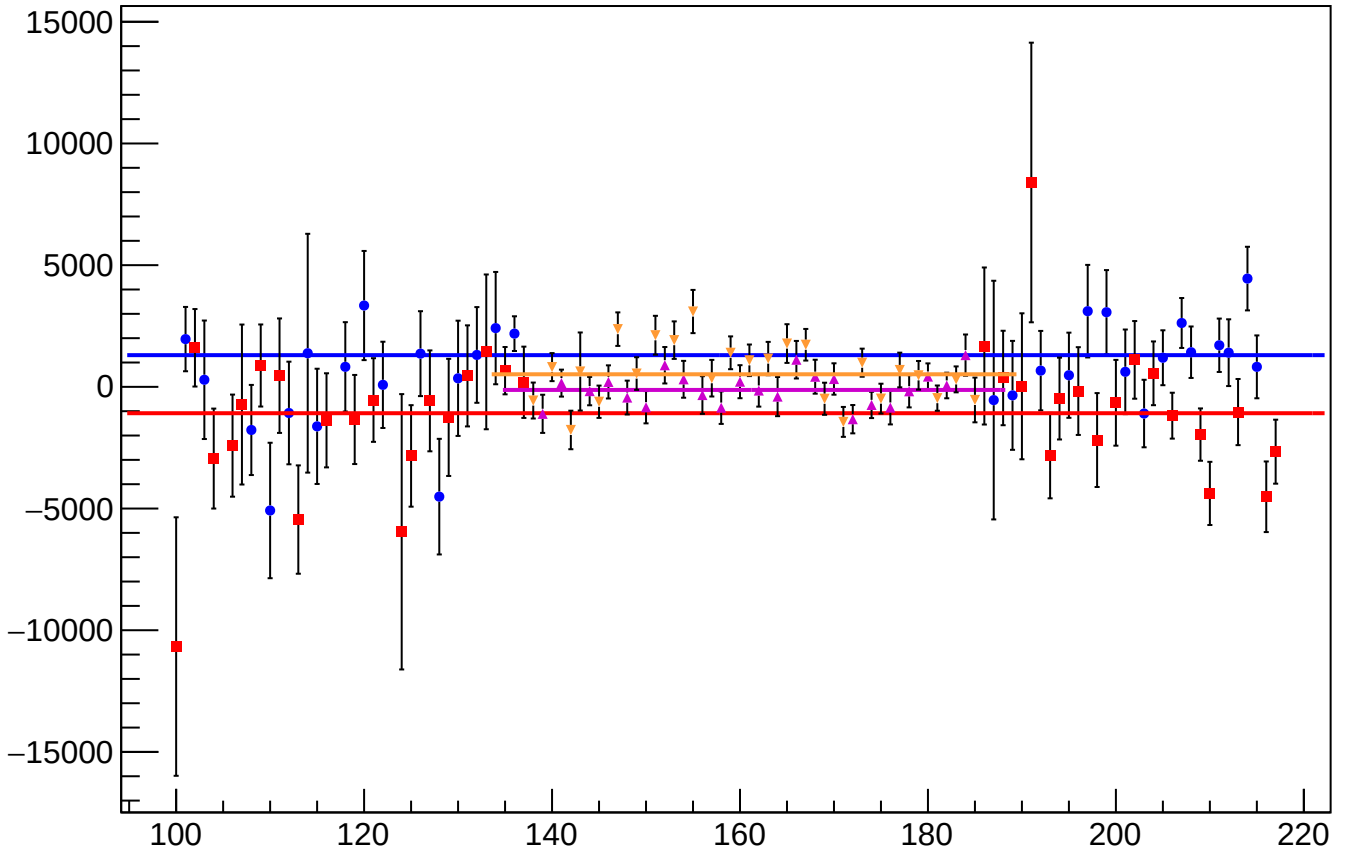
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.603+/-0.143 χ^2/NDF: 1031596.7/66

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.919+/-0.142 χ^2/NDF:707661.5/60

All: 1251.953+/-0.101 χ^2/NDF: 1293325.0/11



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: -1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

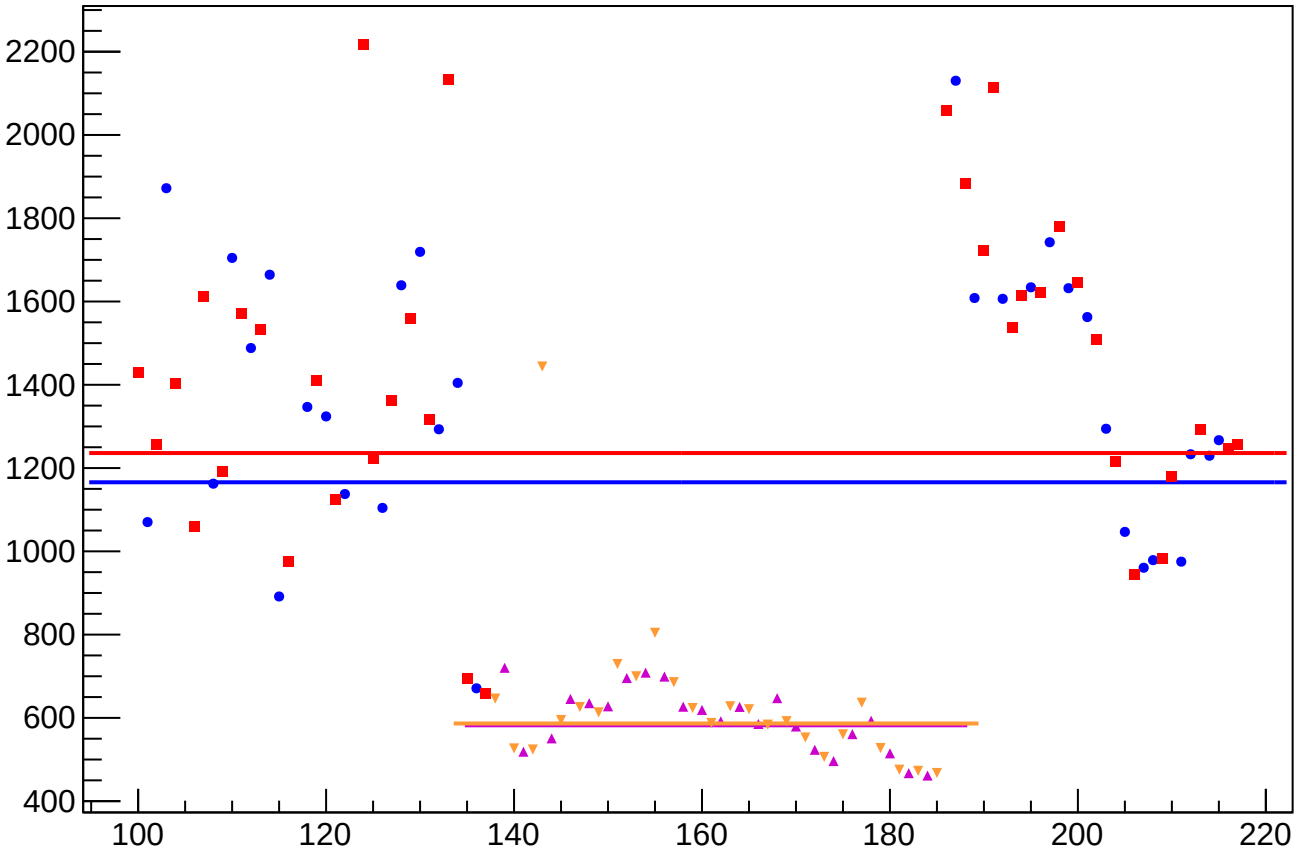
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 143.514+/-198.089 χ^2/NDF: 114.0/66

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 219.573+/-122.490 χ^2/NDF:136.2/60

All: 188.120+/-86.768 χ^2/NDF: 213.8/114



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: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

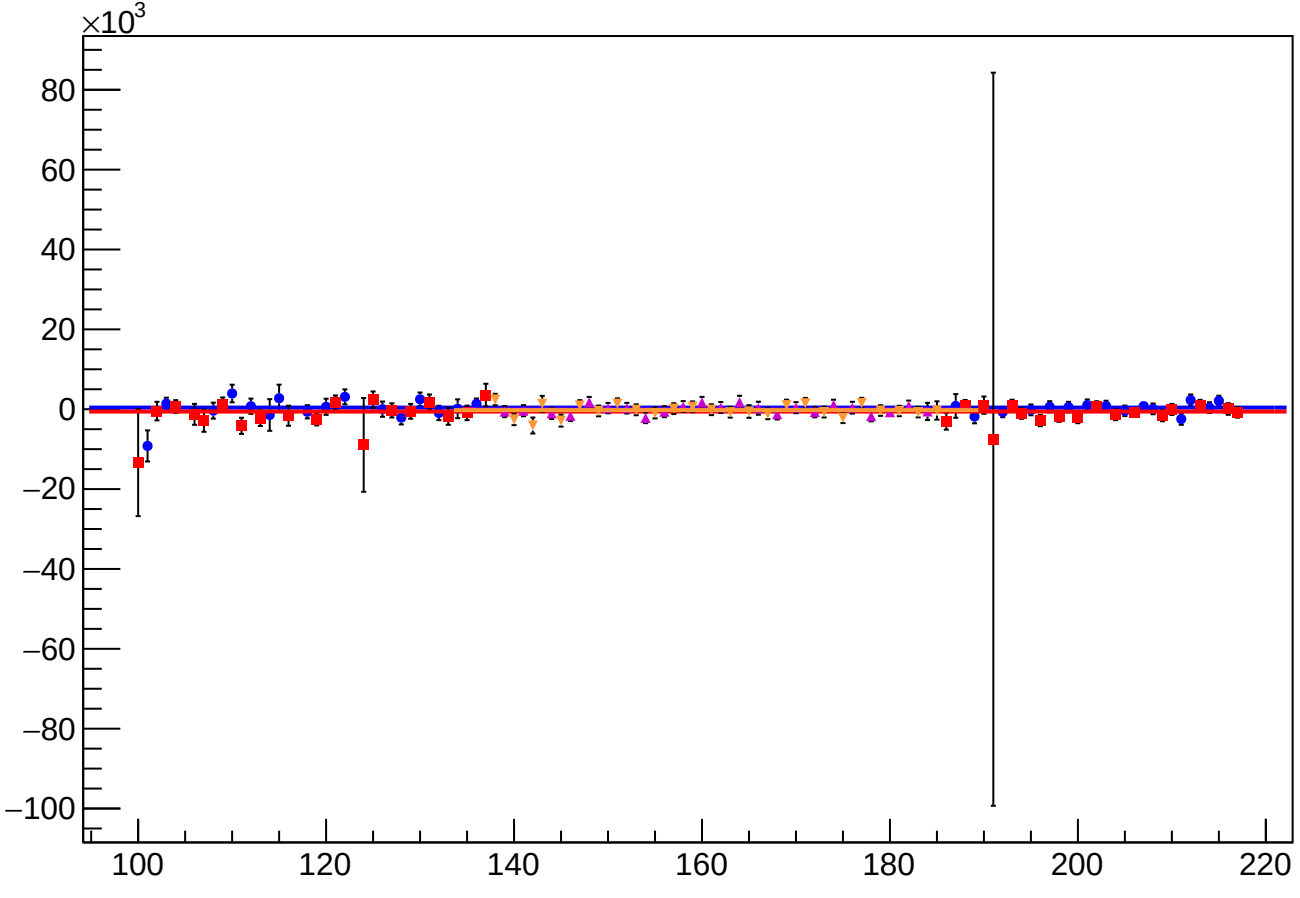
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1199.976+/-0.140 χ^2/NDF: 5503007.0/66

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 707.229+/-0.087 χ^2/NDF:12445040.2/60

All: 702.507+/-0.061 χ^2/NDF: 22874401.1/11



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: -585.051+/-283.740 χ^2/NDF: 29.7/35

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

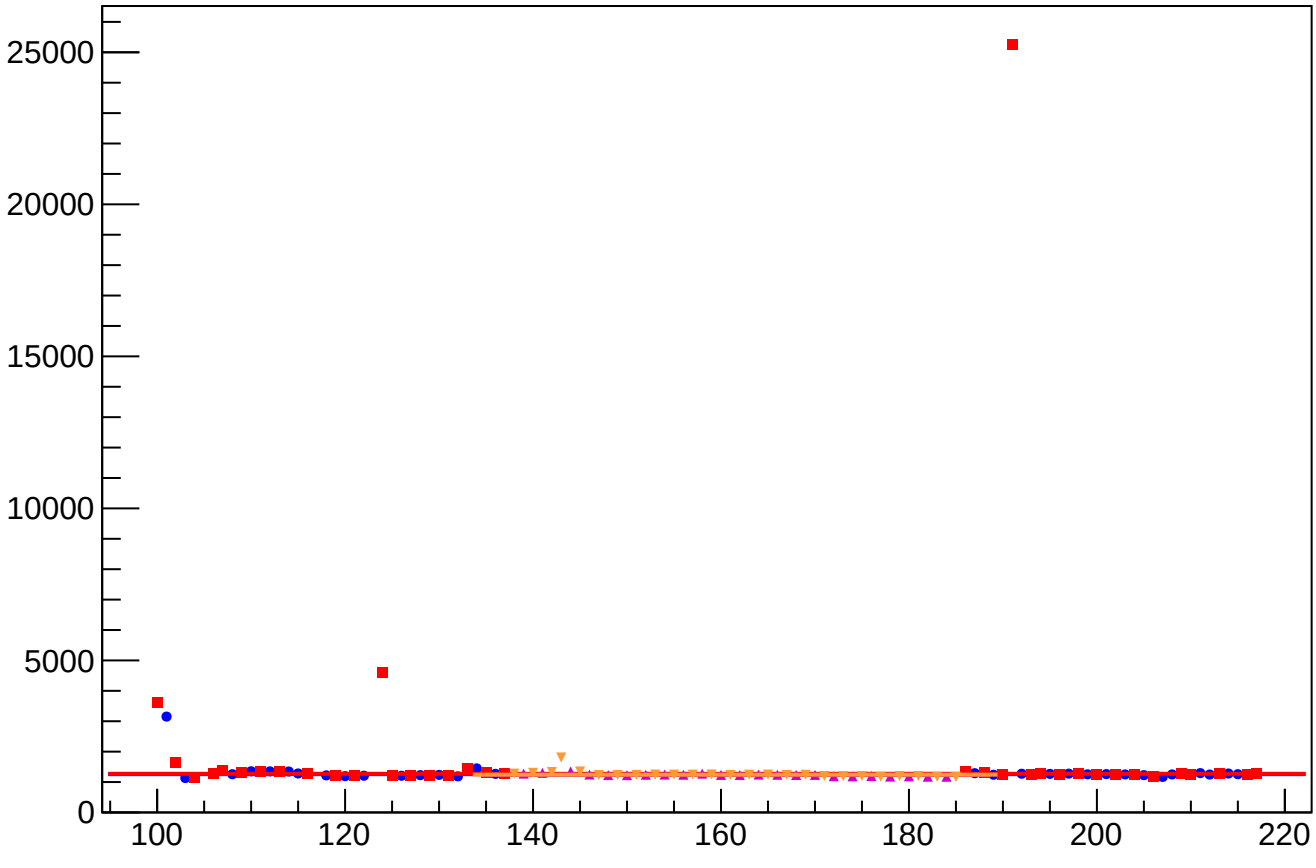
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -95.712+/-202.453 χ^2/NDF: 64.0/66

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -402.463+/-200.392 χ^2/NDF:54.5/60

All: -126.819+/-142.978 χ^2/NDF: 102.7/114



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

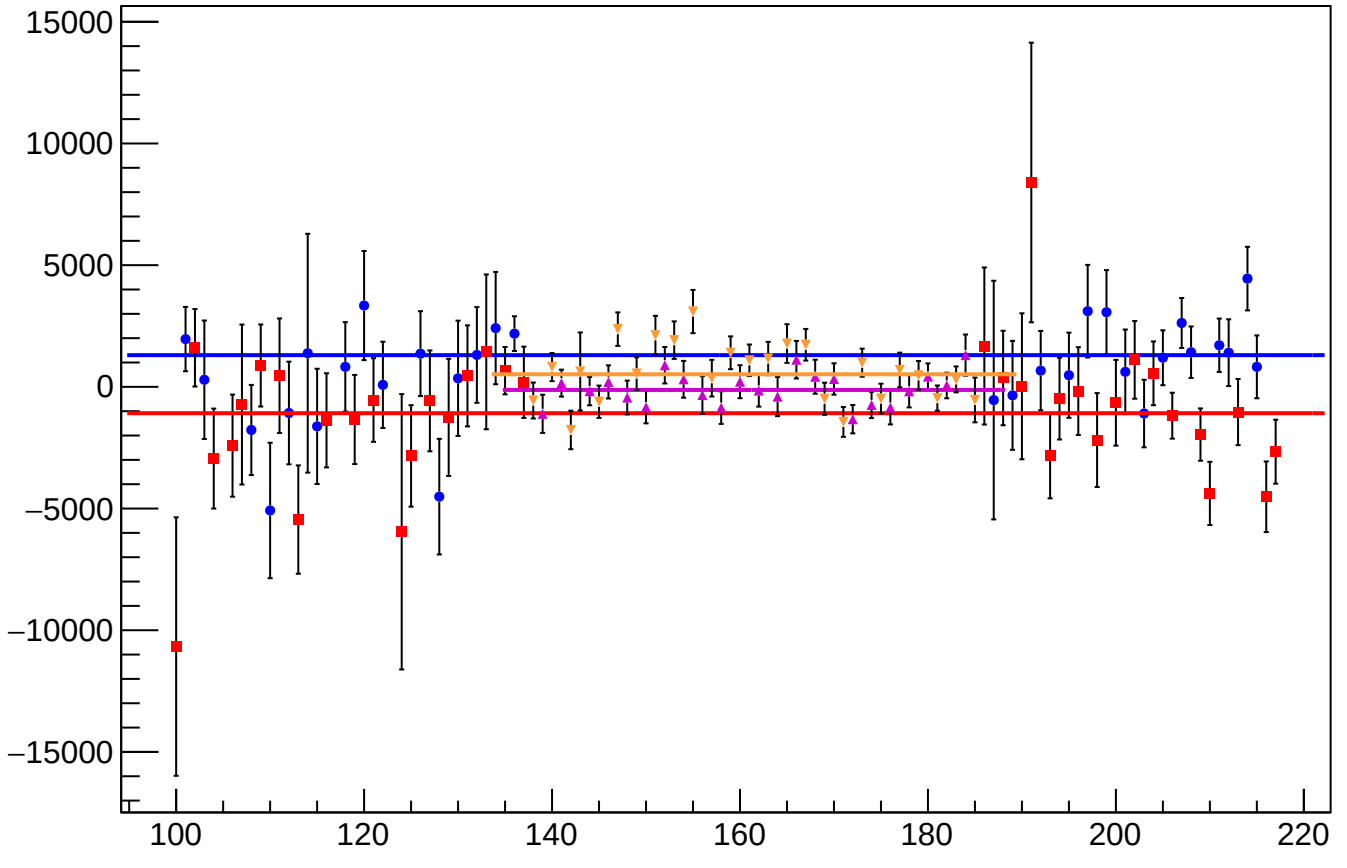
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.603+/-0.143 χ^2/NDF: 1031596.7/66

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.919+/-0.142 χ^2/NDF:707661.5/60

All: 1251.953+/-0.101 χ^2/NDF: 1293325.0/11



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: -1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

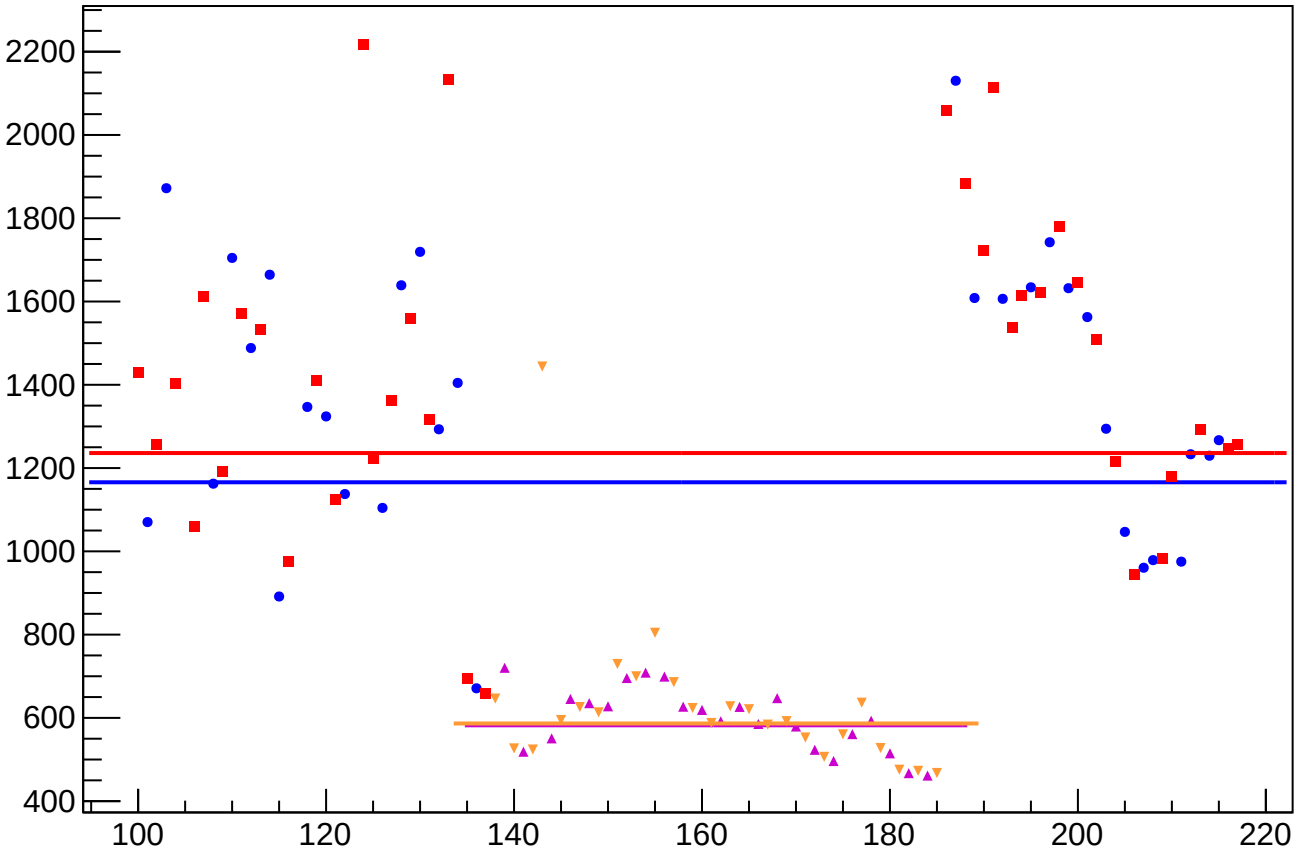
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 143.514+/-198.089 χ^2/NDF: 114.0/66

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 219.573+/-122.490 χ^2/NDF:136.2/60

All: 188.120+/-86.768 χ^2/NDF: 213.8/114



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: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

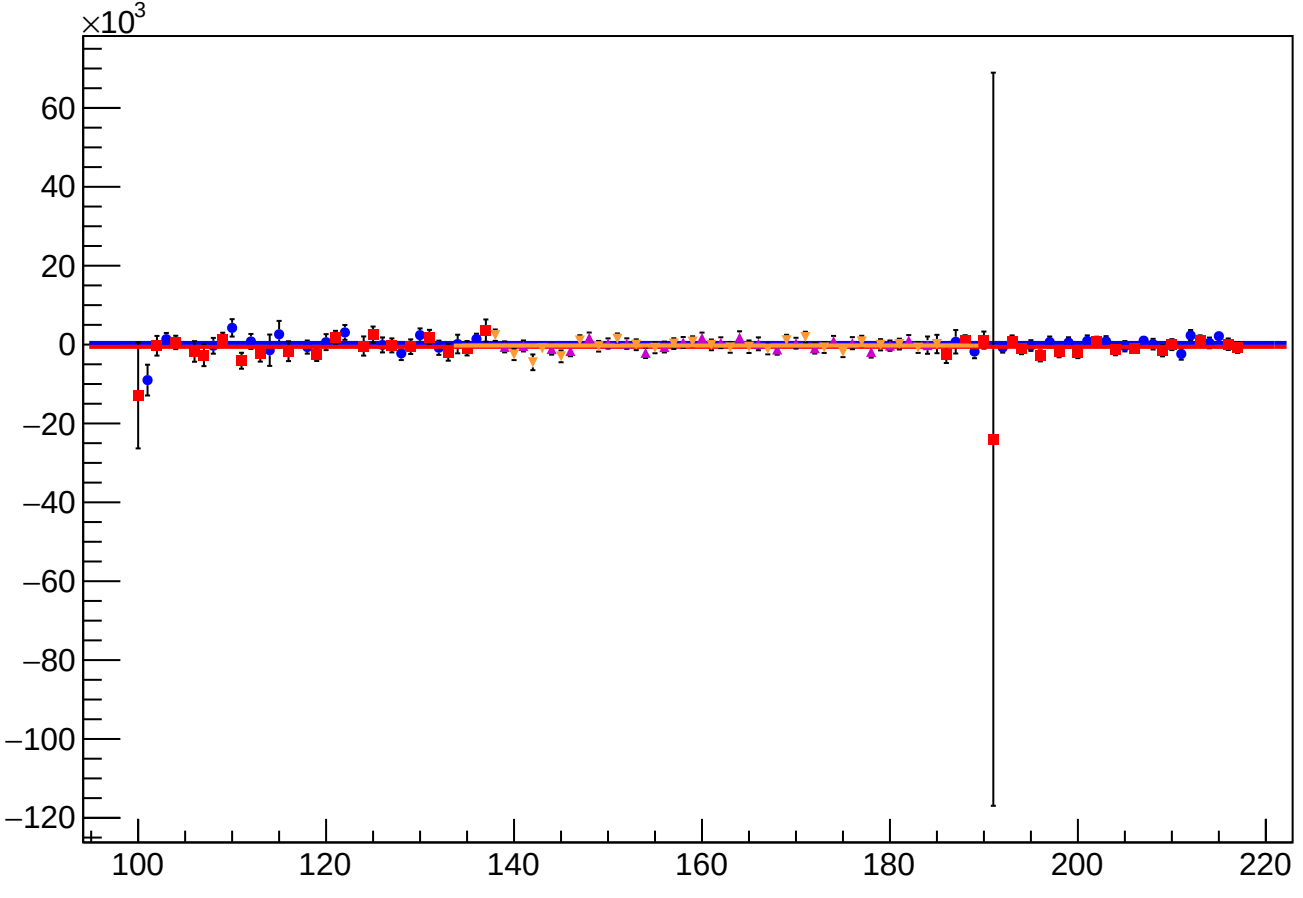
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1199.976+/-0.140 χ^2/NDF: 5503007.0/66

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 707.229+/-0.087 χ^2/NDF:12445040.2/60

All: 702.507+/-0.061 χ^2/NDF: 22874401.1/11



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: -582.664+/-283.147 χ^2/NDF: 29.2/35

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

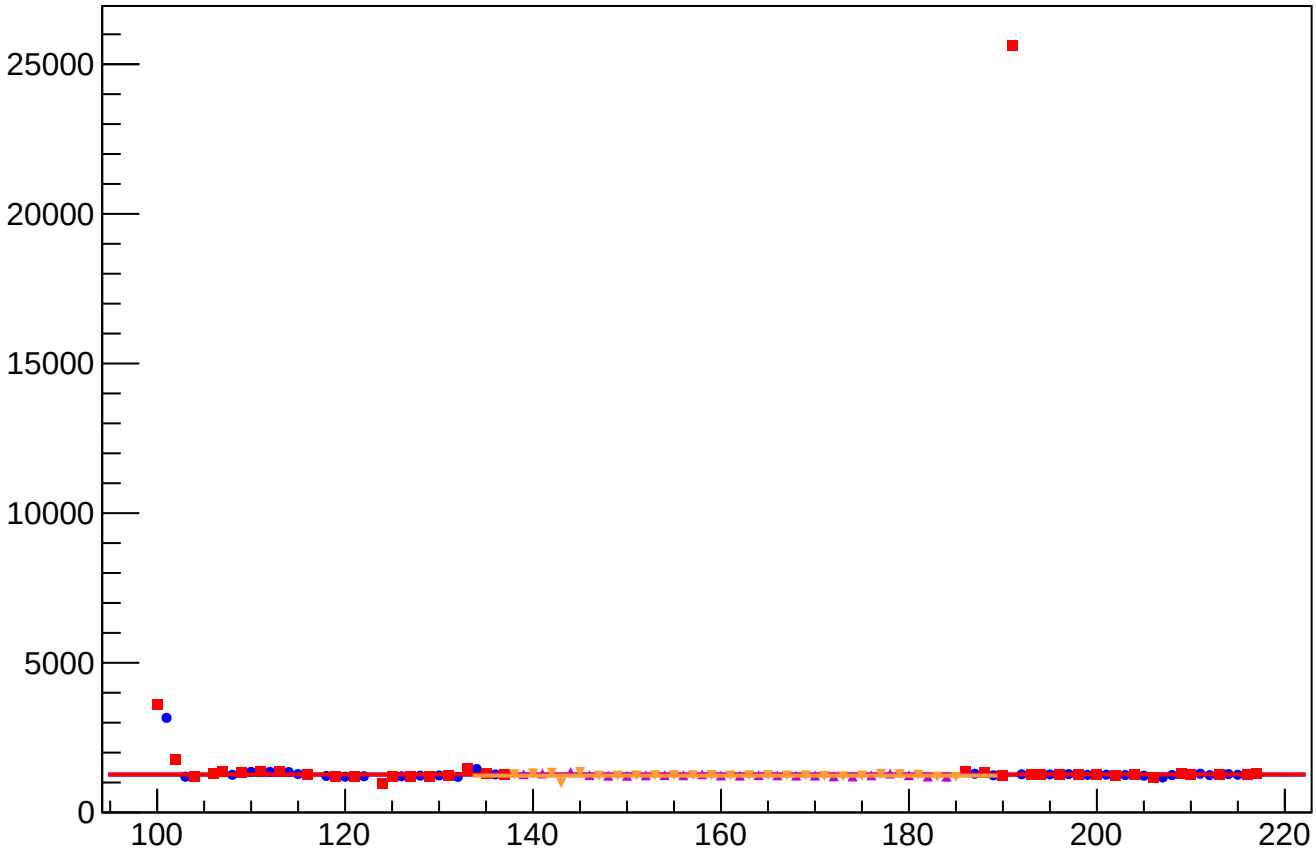
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -92.911+/-202.531 χ^2/NDF: 63.5/66

In: 174.047+/-205.508 χ^2/NDF:43.6/53

Out: -414.856+/-199.065 χ^2/NDF:54.0/60

All: -129.780+/-142.984 χ^2/NDF: 101.8/114



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: 1269.837+/-0.200 χ^2/NDF: 385678.4/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

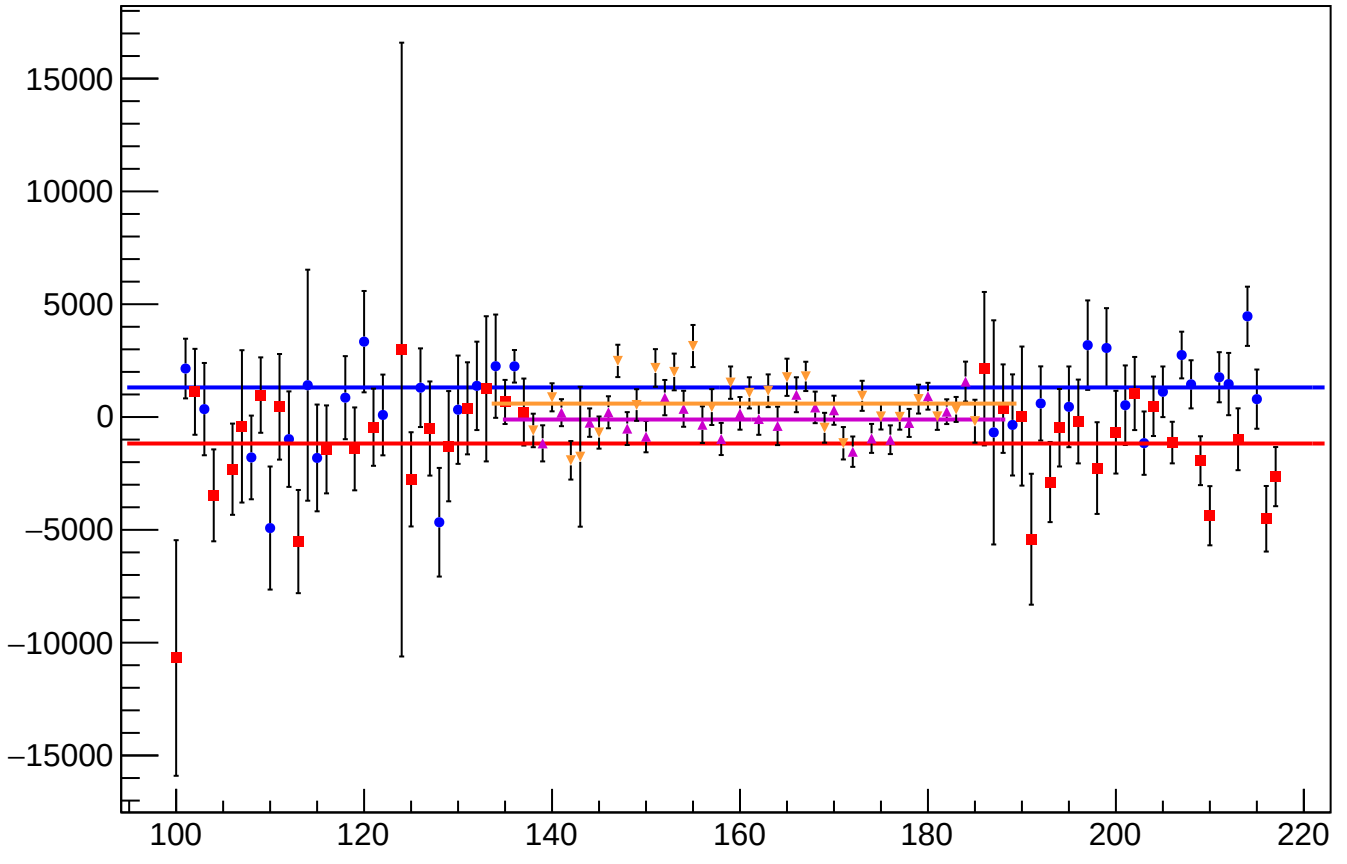
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.894+/-0.143 χ^2/NDF: 911591.6/66

In: 1255.843+/-0.145 χ^2/NDF:555851.6/53

Out: 1249.684+/-0.141 χ^2/NDF:547321.8/60

All: 1252.665+/-0.101 χ^2/NDF: 1104100.3/11



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: -1173.960+/-286.304 χ^2/NDF: 40.7/35

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

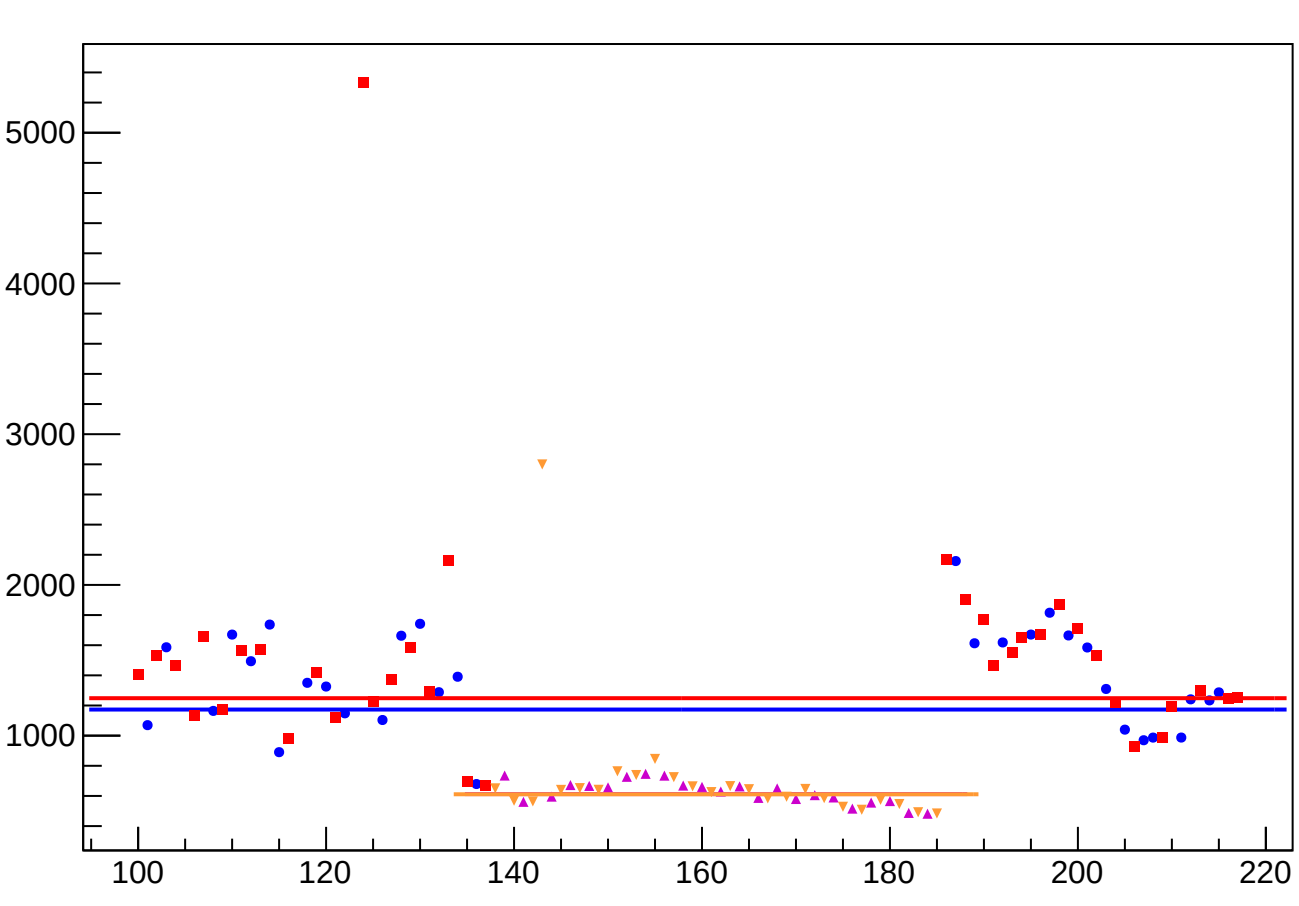
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 106.283+/-199.358 χ^2/NDF: 115.0/66

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 245.245+/-127.307 χ^2/NDF:128.7/60

All: 218.589+/-90.265 χ^2/NDF: 210.6/114



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: 1248.483+/-0.202 χ^2/NDF: 3030929.2/35

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

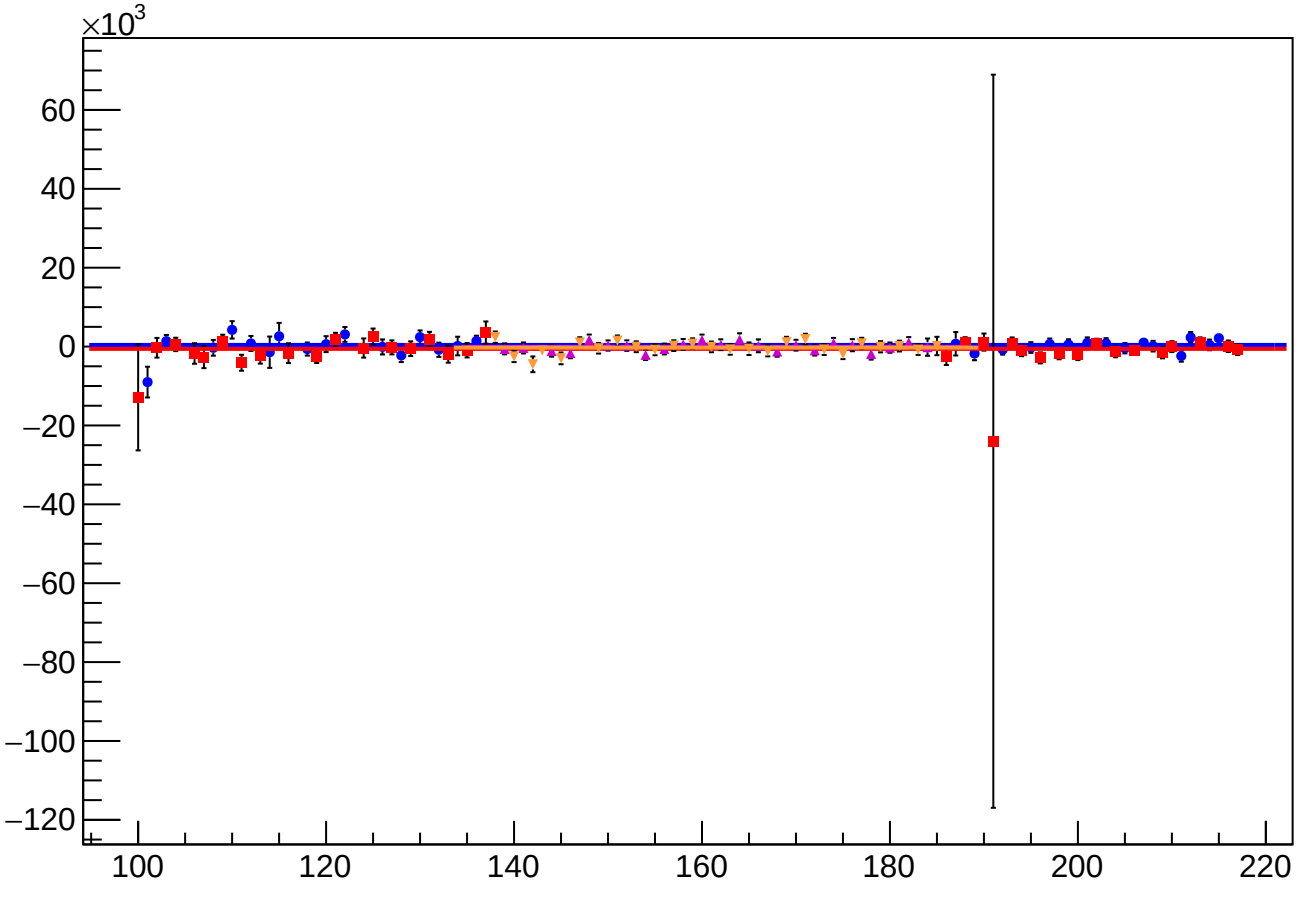
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1209.702+/-0.141 χ^2/NDF: 5748180.3/66

In: 731.499+/-0.091 χ^2/NDF:9575994.7/53

Out: 737.111+/-0.090 χ^2/NDF:12603065.7/60

All: 734.321+/-0.064 χ^2/NDF: 22180992.9/1



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: -582.662+/-283.147 χ^2/NDF: 29.2/35

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

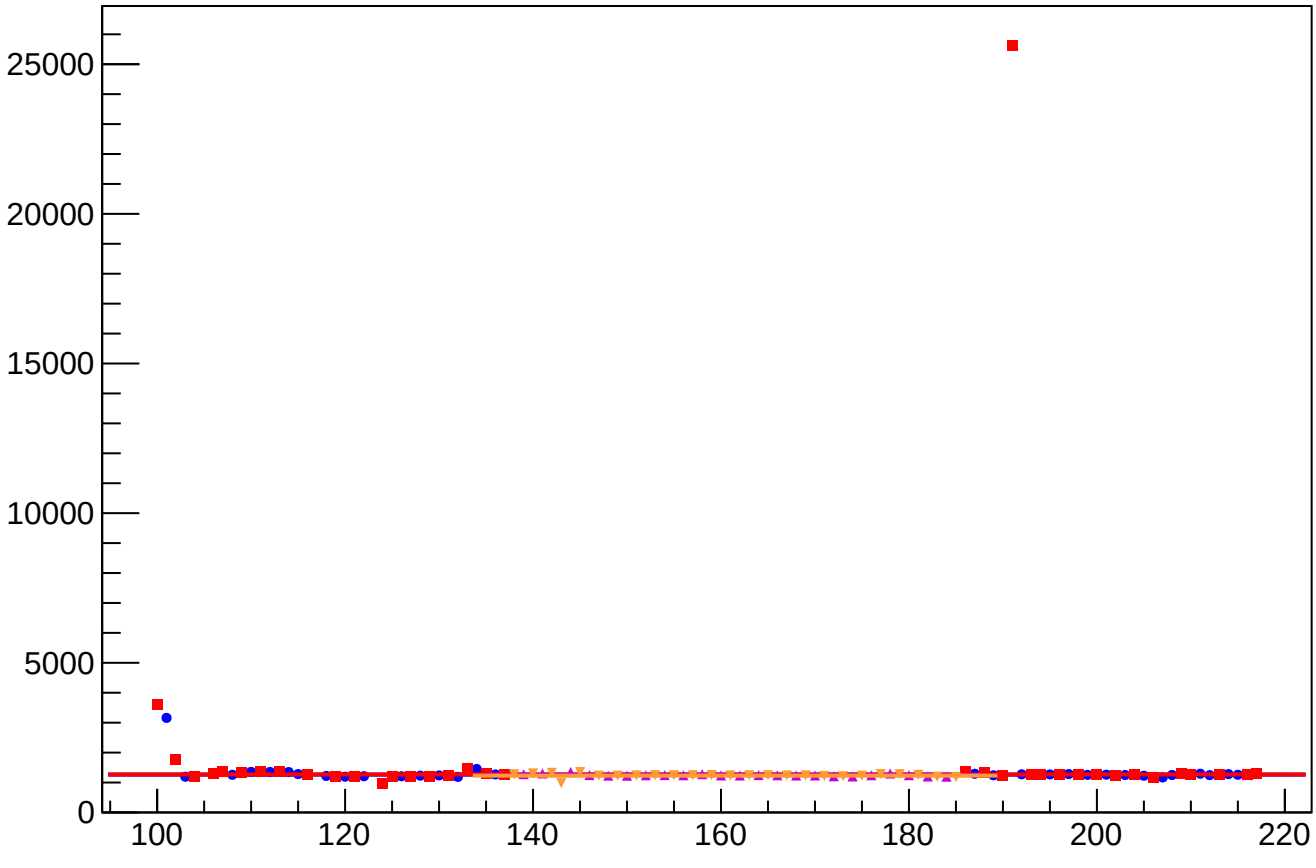
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -92.912+/-202.531 χ^2/NDF: 63.5/66

In: 174.046+/-205.508 χ^2/NDF:43.6/53

Out: -414.856+/-199.065 χ^2/NDF:54.0/60

All: -129.781+/-142.984 χ^2/NDF: 101.8/114



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: 1269.837+/-0.200 χ^2/NDF: 385678.2/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

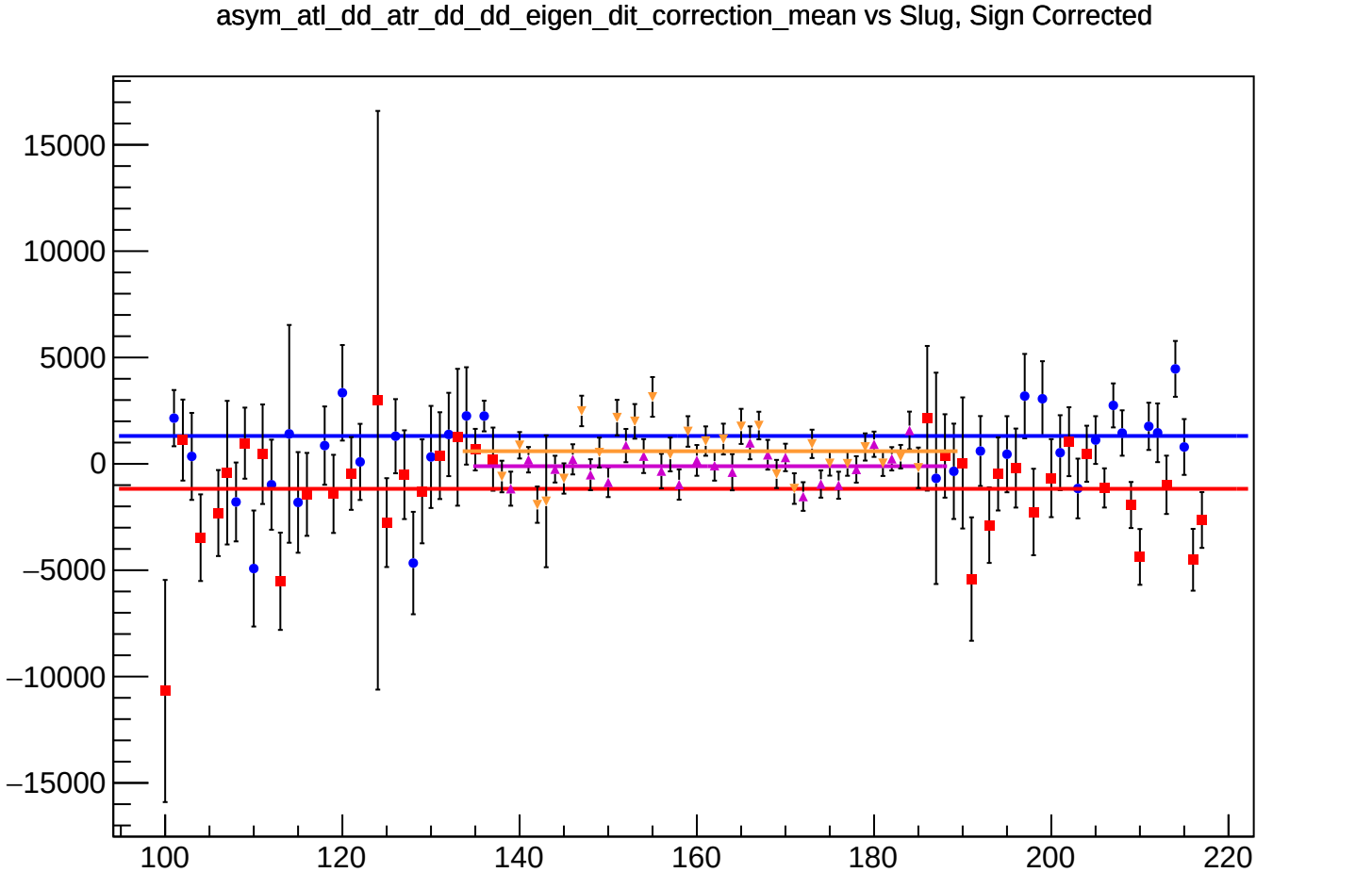
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1266.894+/-0.143 χ^2/NDF: 911591.5/66

In: 1255.843+/-0.145 χ^2/NDF:555851.7/53

Out: 1249.684+/-0.141 χ^2/NDF:547320.7/60

All: 1252.665+/-0.101 χ^2/NDF: 1104099.2/11



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: -1173.961+/-286.305 χ^2/NDF: 40.7/35

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

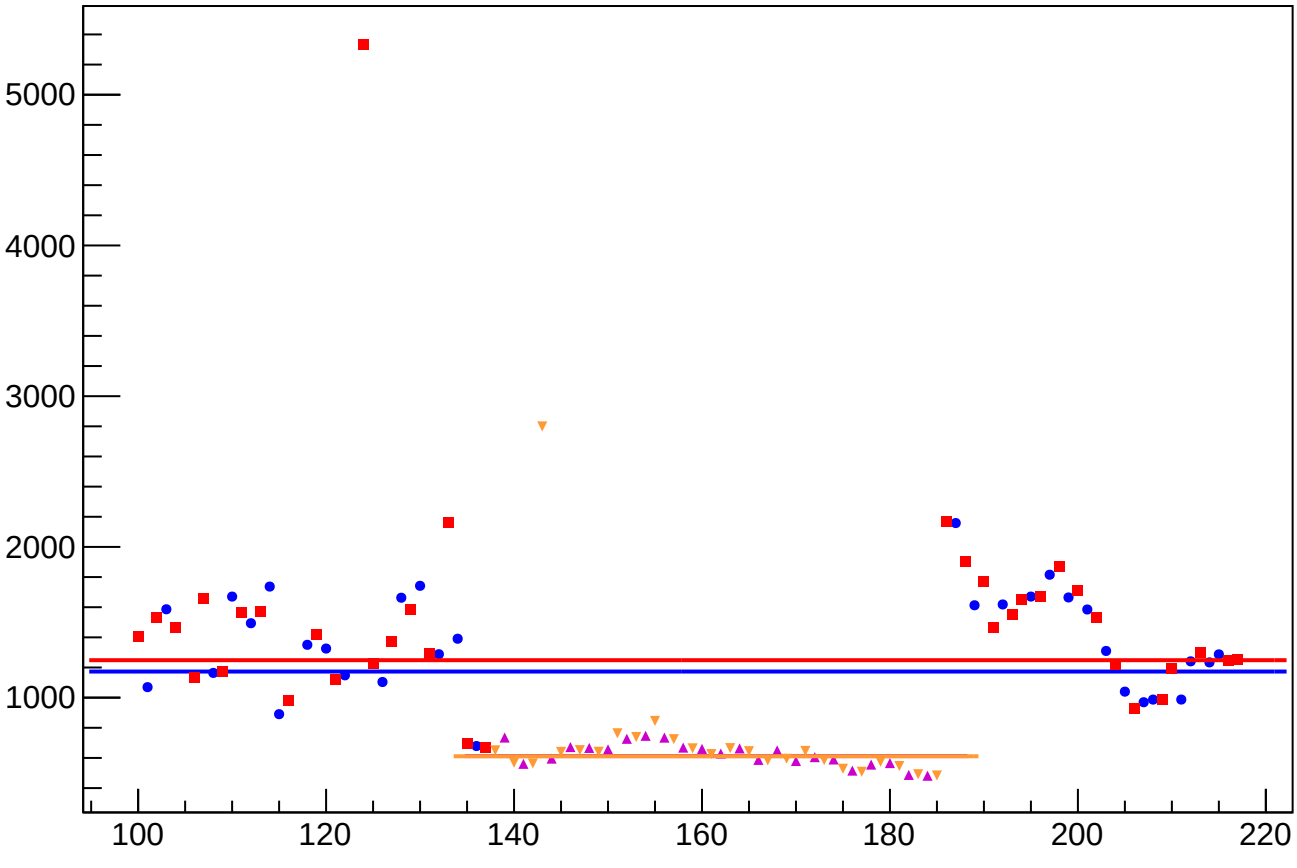
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 106.283+/-199.359 χ^2/NDF: 115.0/66

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 245.246+/-127.307 χ^2/NDF:128.7/60

All: 218.590+/-90.265 χ^2/NDF: 210.6/114



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: 1248.486+/-0.202 χ^2/NDF: 3030872.4/35

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

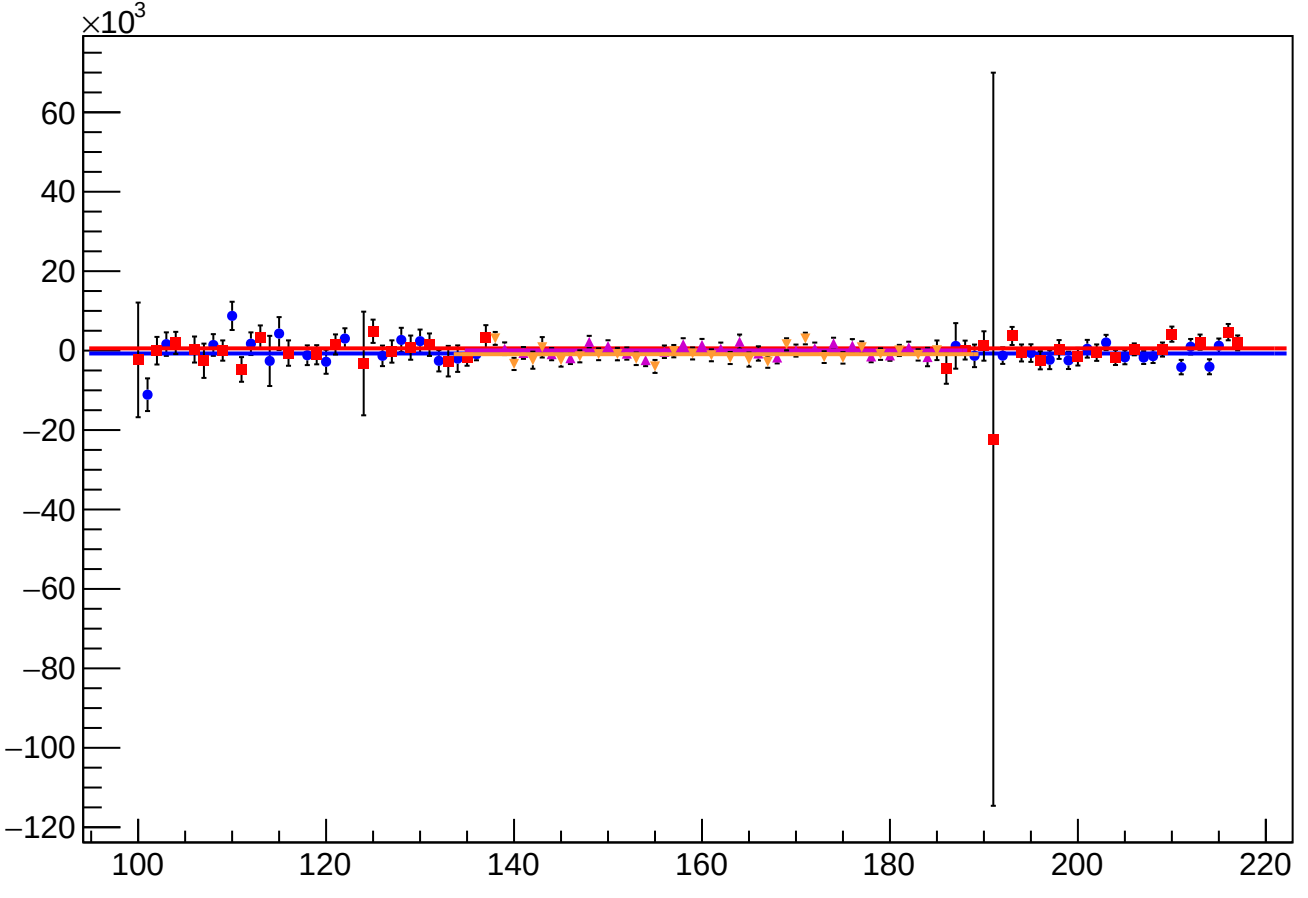
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1209.704+/-0.141 χ^2/NDF: 5748066.8/66

In: 731.499+/-0.091 χ^2/NDF:9575977.9/53

Out: 737.111+/-0.090 χ^2/NDF:12603064.4/60

All: 734.320+/-0.064 χ^2/NDF: 22180975.1/11



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: 563.449+/-419.443 χ^2/NDF: 27.6/35

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

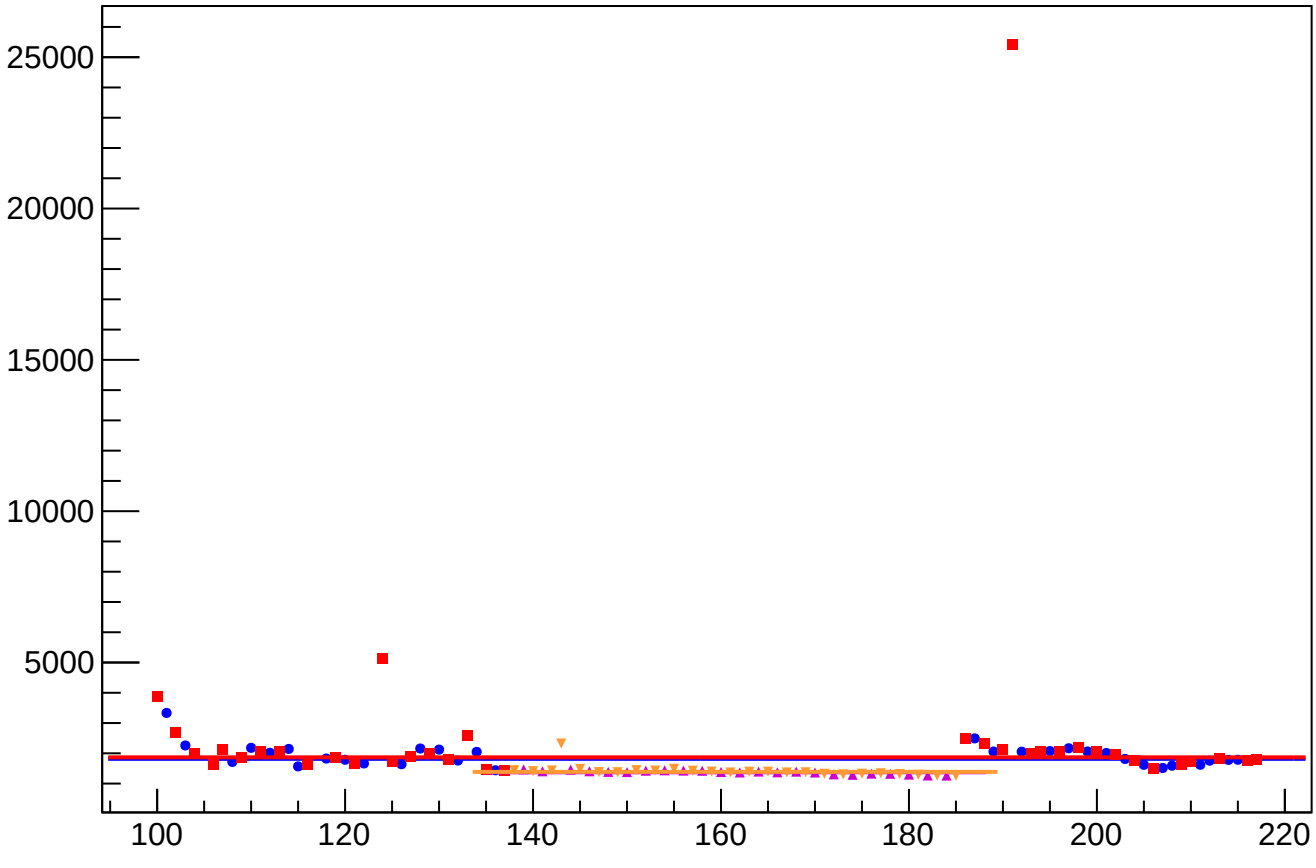
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -79.333+/-296.520 χ^2/NDF: 68.1/66

In: -236.201+/-254.835 χ^2/NDF:55.8/53

Out: -369.095+/-252.618 χ^2/NDF:65.2/60

All: -303.228+/-179.407 χ^2/NDF: 121.1/114



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: 1866.677+/-0.297 χ^2/NDF: 1059515.3/35

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

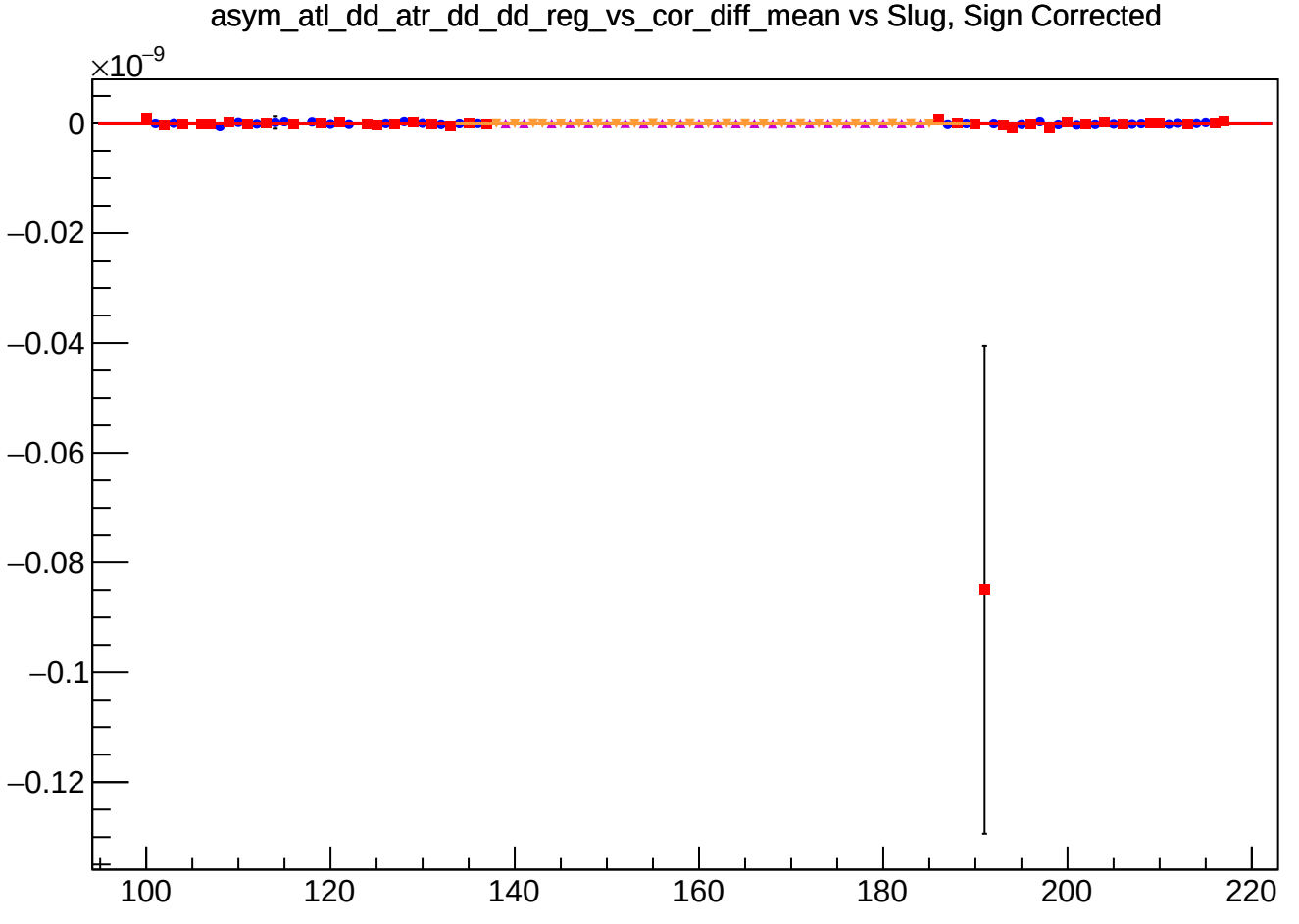
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1842.067+/-0.210 χ^2/NDF: 1966884.1/66

In: 1537.362+/-0.180 χ^2/NDF:2374136.6/53

Out: 1560.896+/-0.179 χ^2/NDF:3067281.6/60

All: 1549.232+/-0.127 χ^2/NDF: 5450021.0/11



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: 56.8/35

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

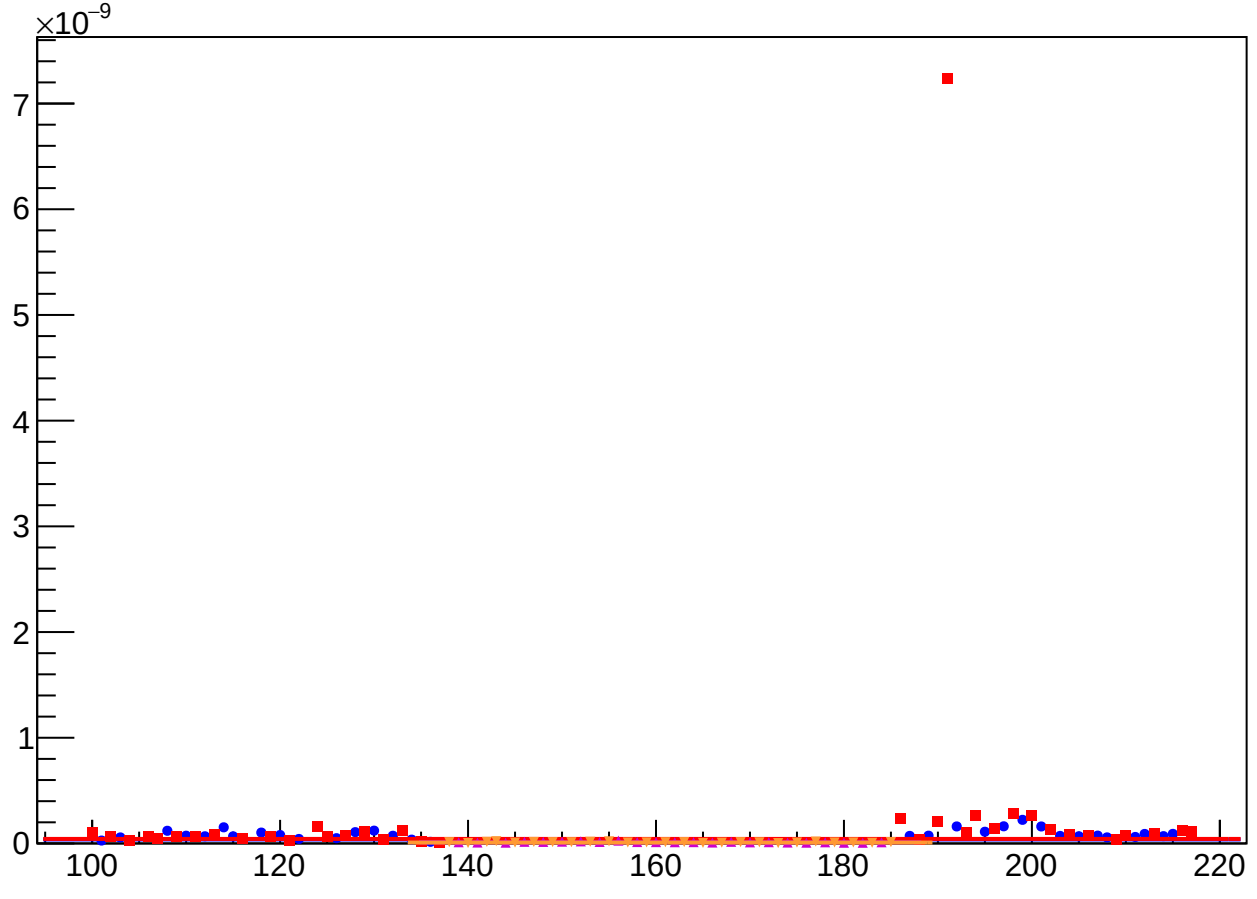
Right: 0.000+/-0.000 χ^2/NDF: 84.4/66

In: 0.000+/-0.000 χ^2/NDF:40.8/53

Out: 0.000+/-0.000 χ^2/NDF:81.9/60

All: 0.000+/-0.000 χ^2/NDF: 122.8/114

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: 7667075.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

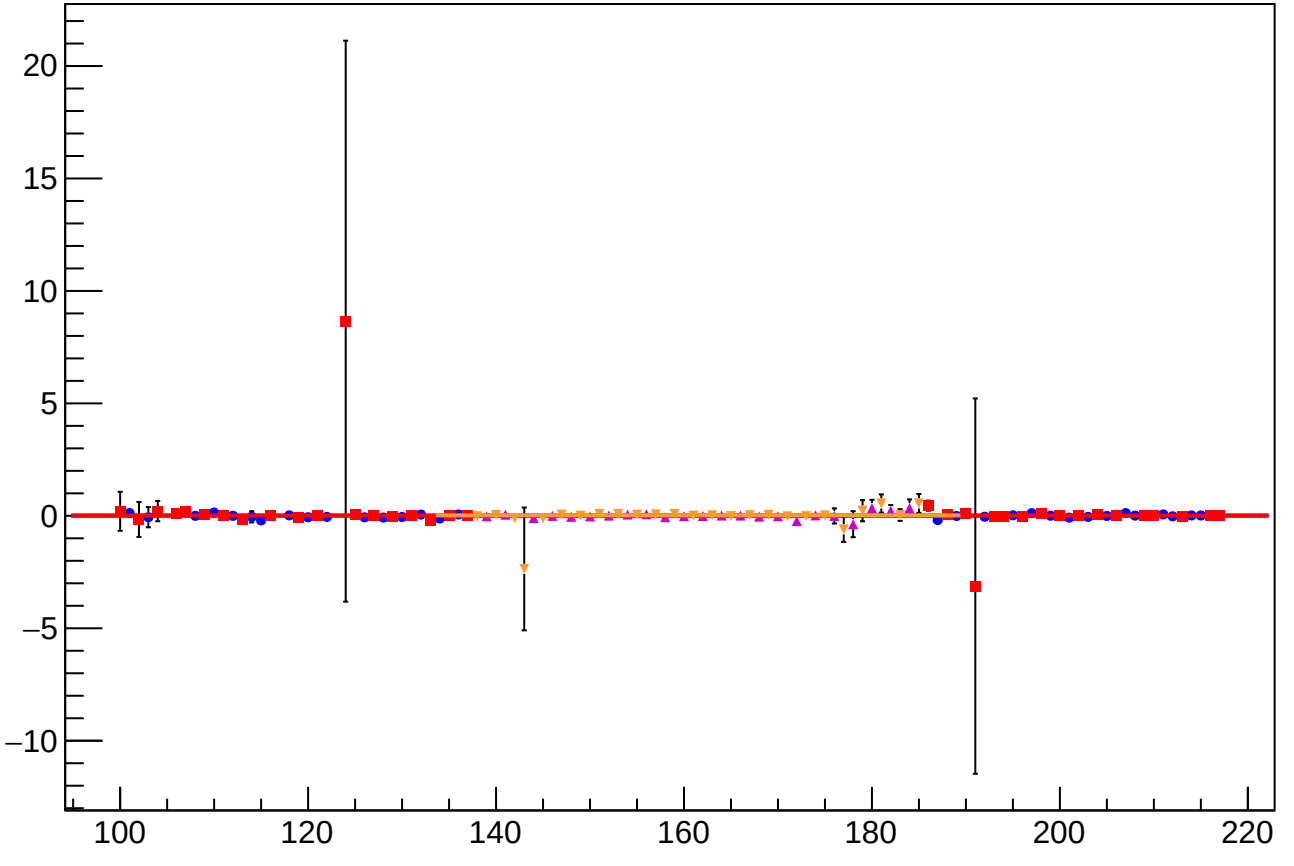
Right: 0.000+/-0.000 χ^2/NDF: 14757321.3/66

In: 0.000+/-0.000 χ^2/NDF:13189312.6/53

Out: 0.000+/-0.000 χ^2/NDF:16208627.6/60

All: 0.000+/-0.000 χ^2/NDF: 29734052.0/114

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

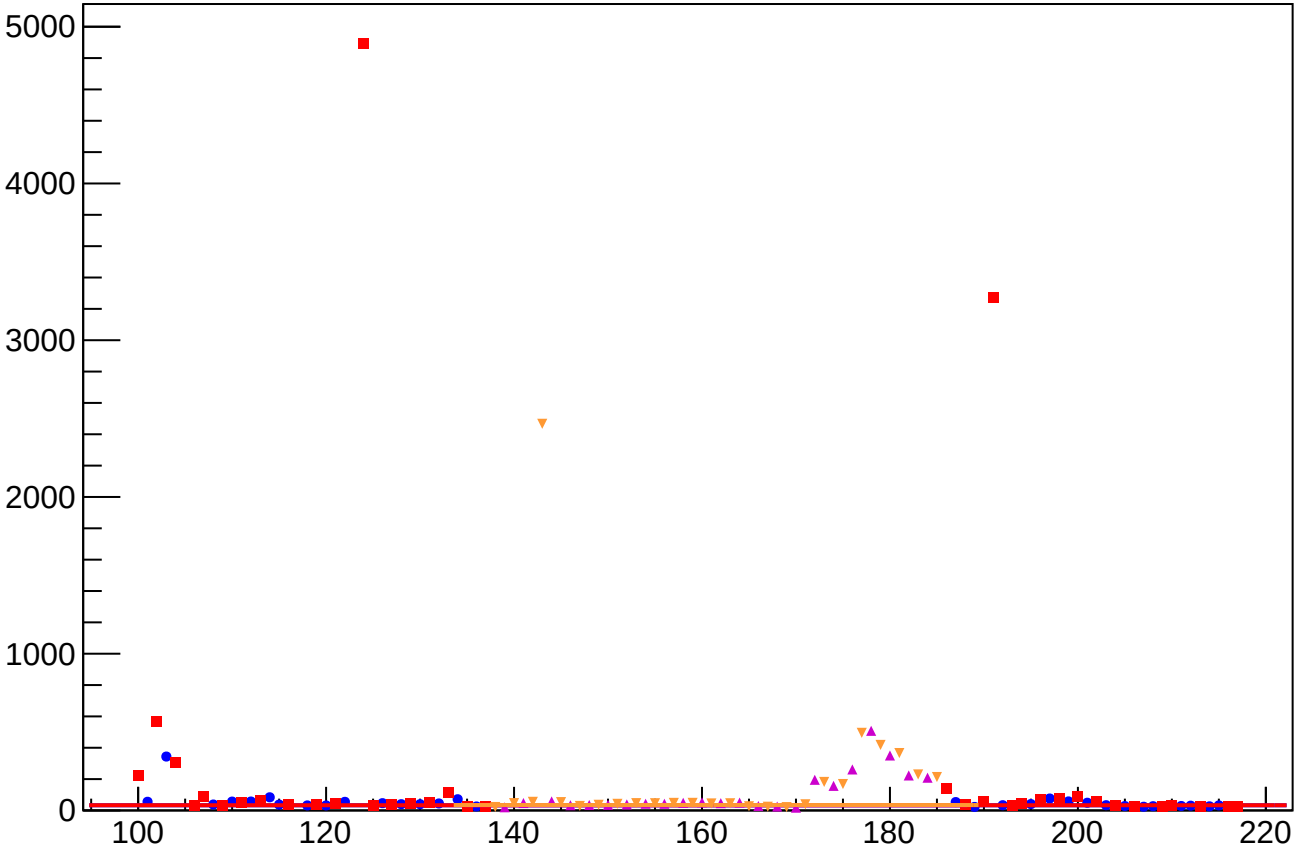
Right: 0.011+/-0.006 χ^2/NDF: 69.5/66

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.009+/-0.005 χ^2/NDF: 112.8/114

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: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

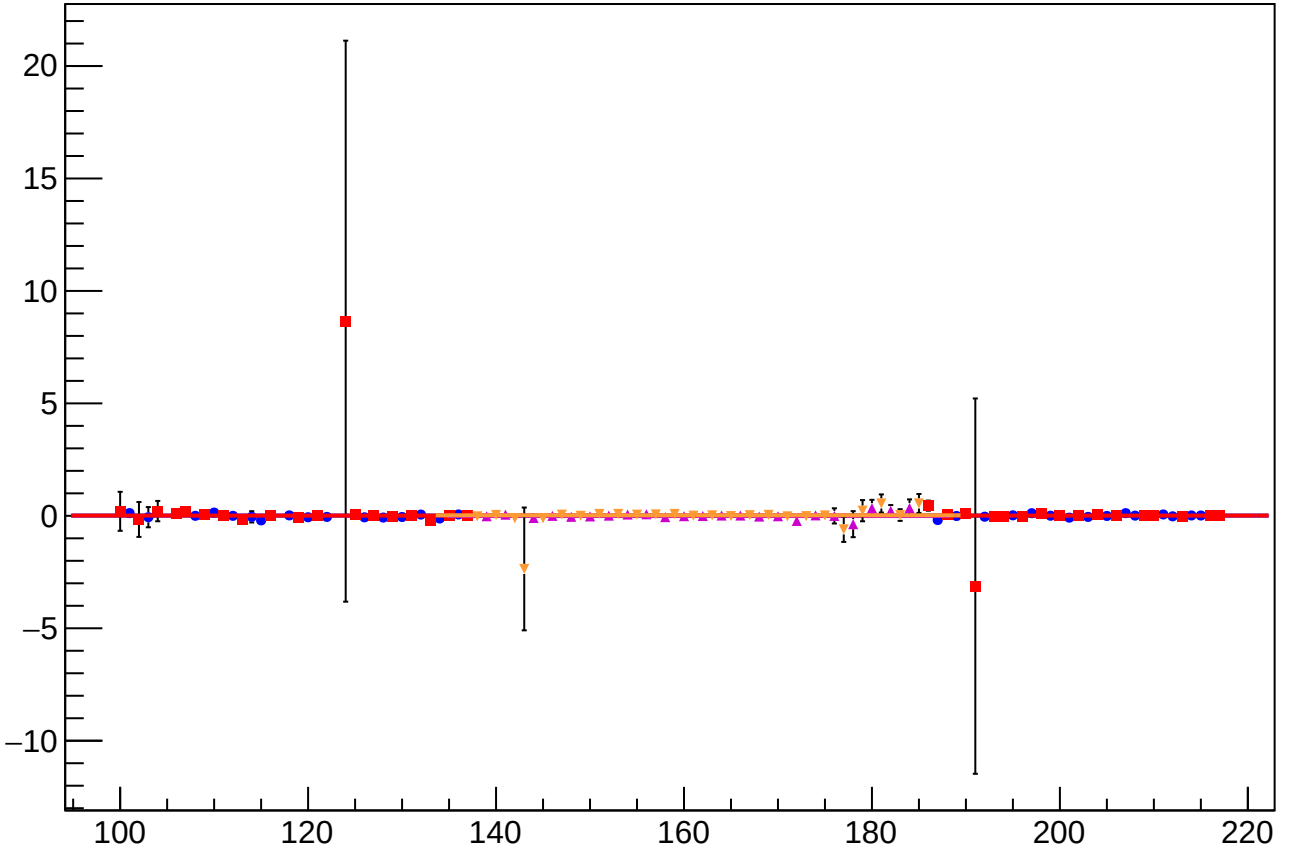
Right: 33.101+/-0.004 χ^2/NDF: 10529526.4/66

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 33.850+/-0.005 χ^2/NDF:18216880.4/60

All: 33.526+/-0.003 χ^2/NDF: 32032214.1/114

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: 0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

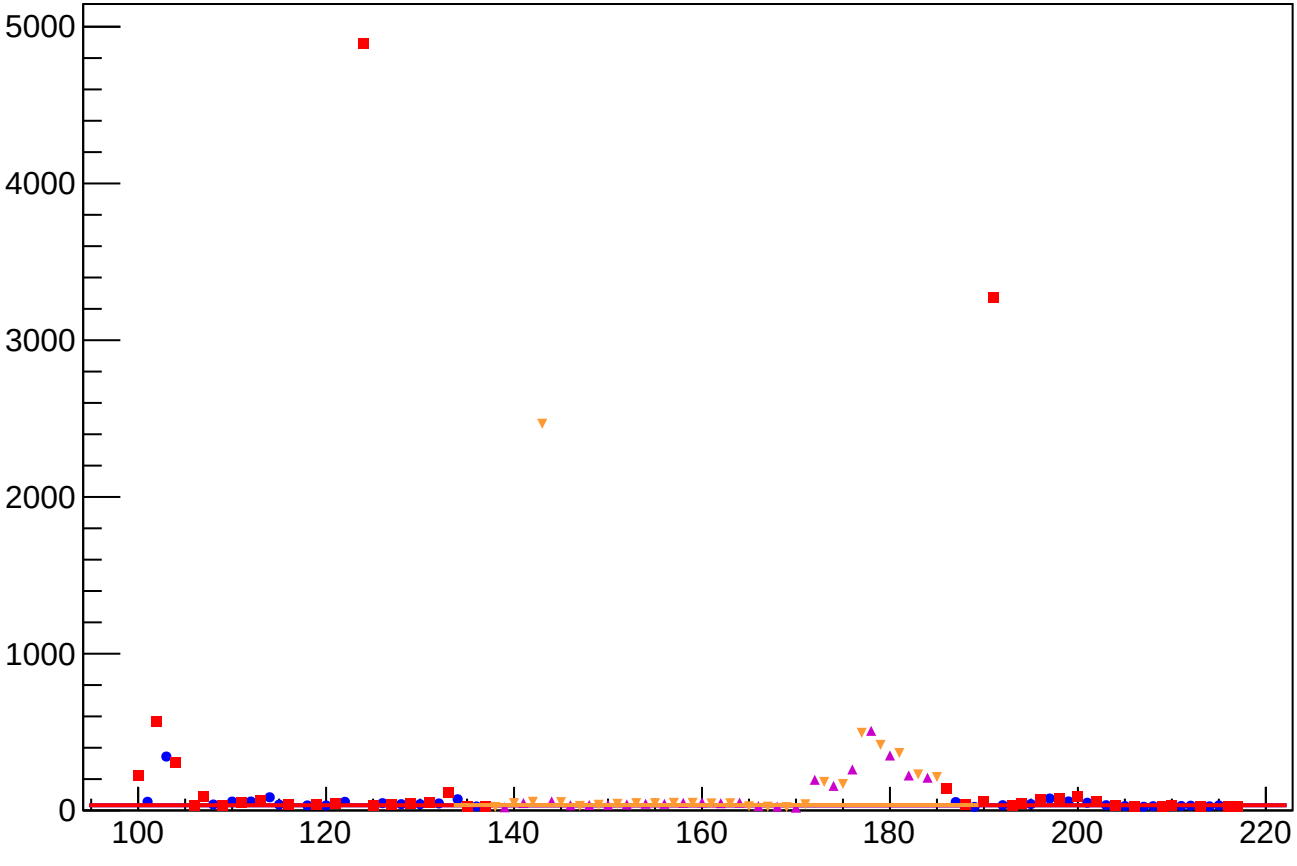
Right: 0.011+/-0.006 χ^2/NDF: 69.5/66

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.009+/-0.005 χ^2/NDF: 112.8/114

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: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

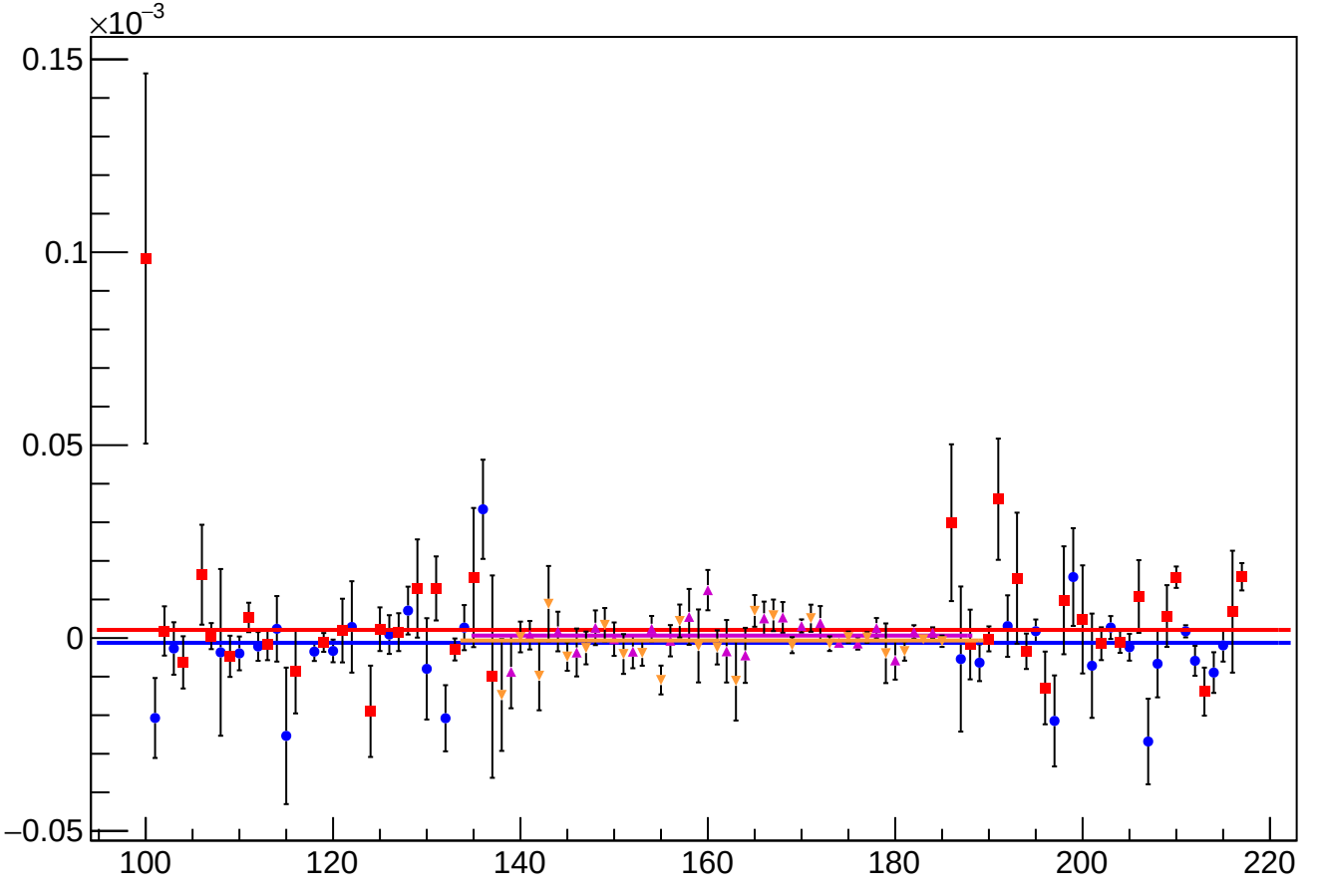
Right: 33.101+/-0.004 χ^2/NDF: 10529526.4/66

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 33.850+/-0.005 χ^2/NDF:18216880.4/60

All: 33.526+/-0.003 χ^2/NDF: 32032214.1/114

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 45.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 83.9/35

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

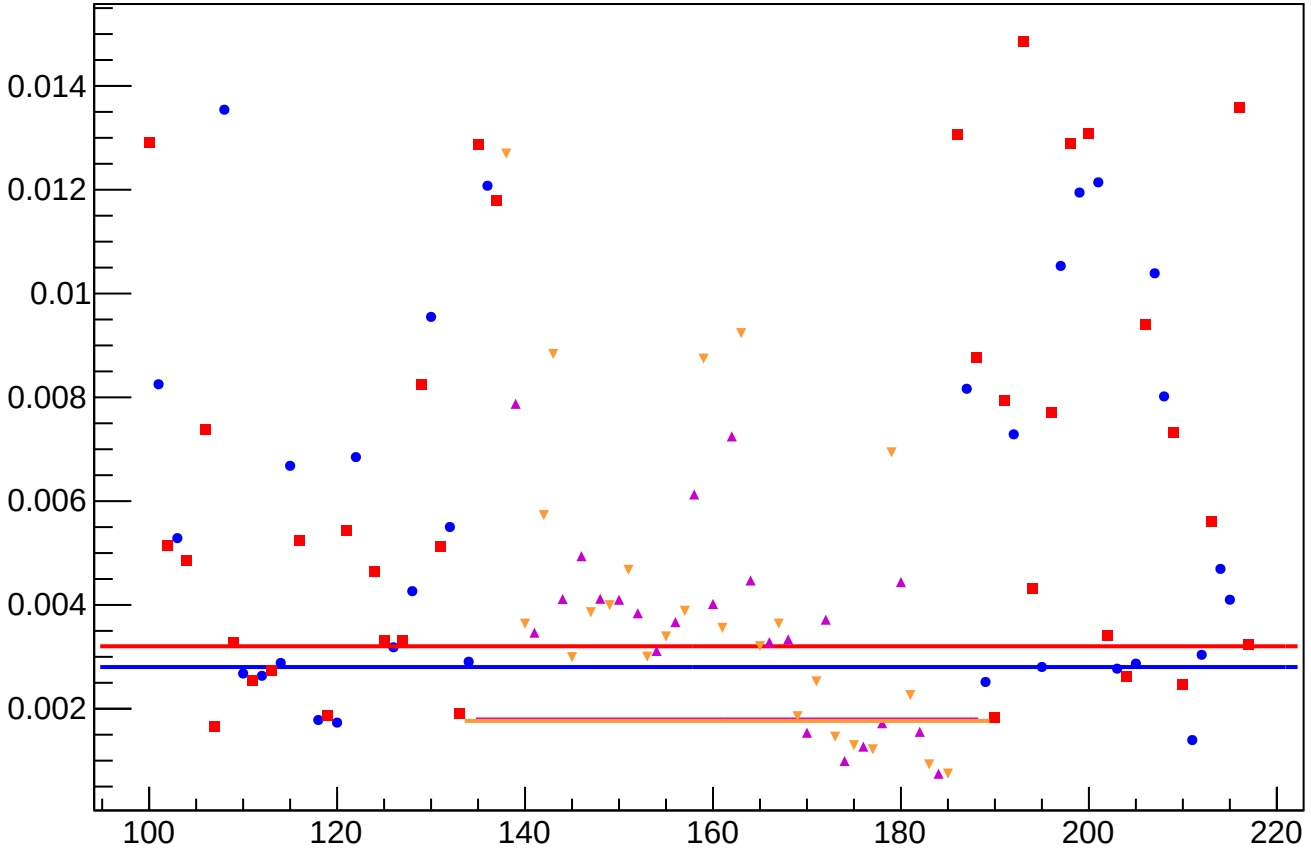
Right: 0.000+/-0.000 χ^2/NDF: 137.0/66

In: 0.000+/-0.000 χ^2/NDF:70.7/53

Out: 0.000+/-0.000 χ^2/NDF:119.8/60

All: 0.000+/-0.000 χ^2/NDF: 190.5/114

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: 11597710.9/35

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

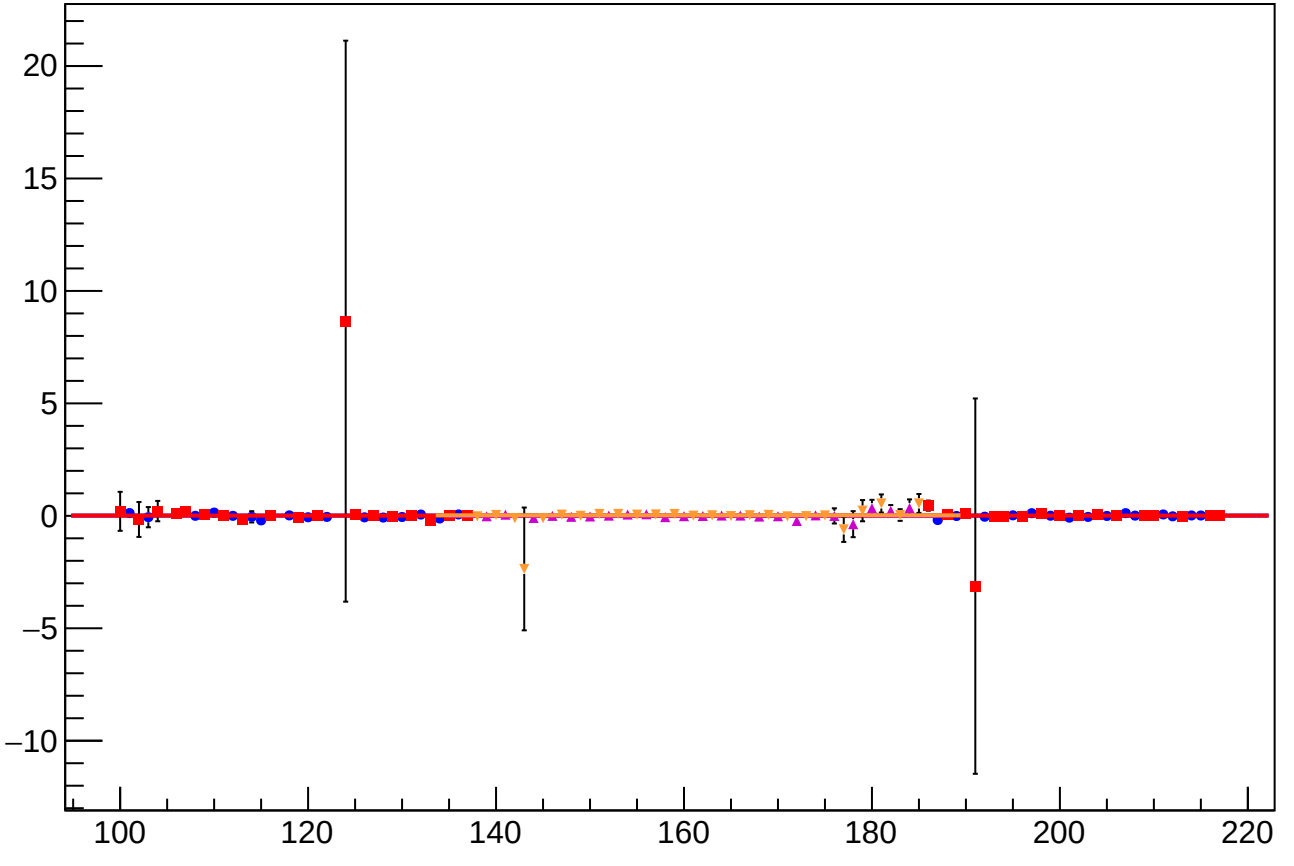
Right: 0.003+/-0.000 χ^2/NDF: 23355308.2/66

In: 0.002+/-0.000 χ^2/NDF:24463265.0/53

Out: 0.002+/-0.000 χ^2/NDF:28658476.9/60

All: 0.002+/-0.000 χ^2/NDF: 53126894.1/114

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: 0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

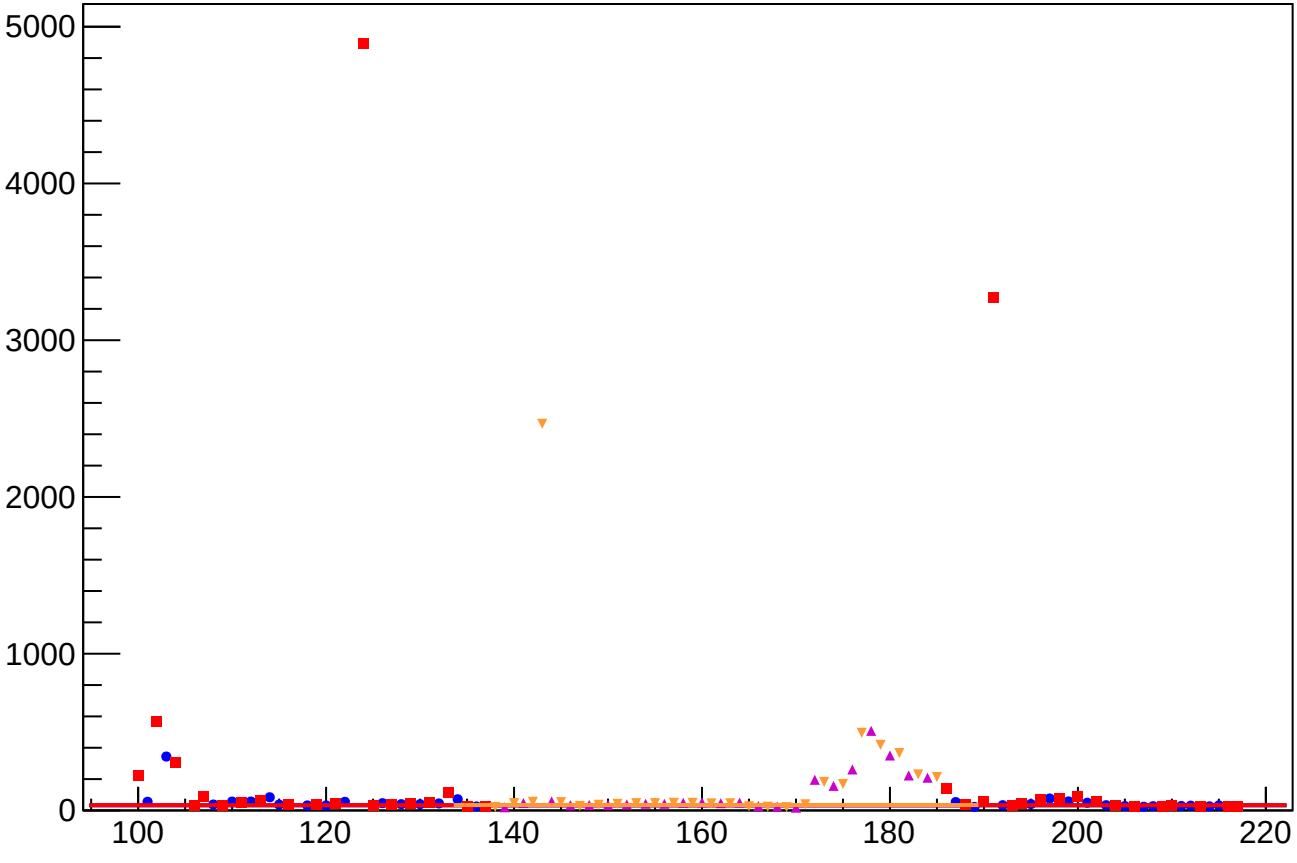
Right: 0.011+/-0.006 χ^2/NDF: 69.5/66

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.009+/-0.005 χ^2/NDF: 112.8/114

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: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

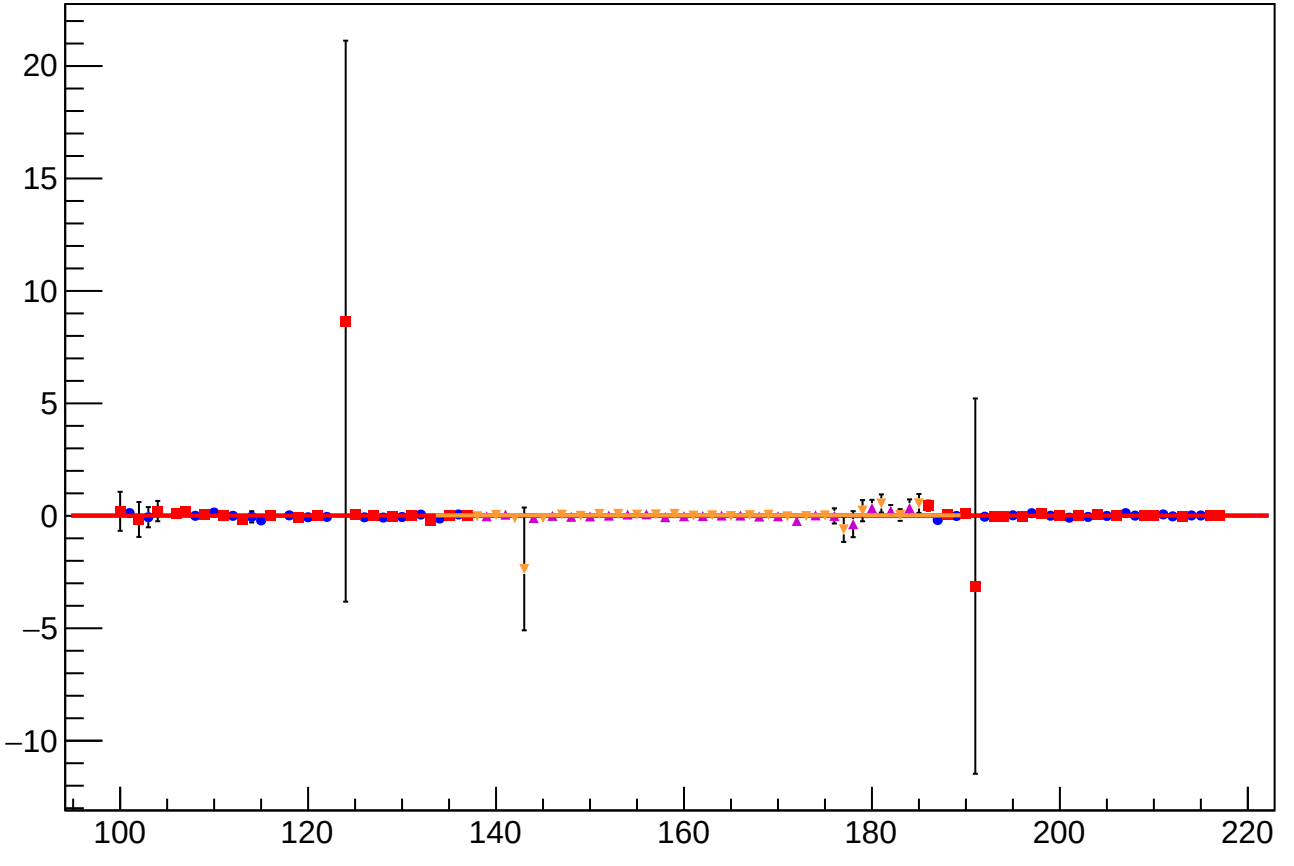
Right: 33.102+/-0.004 χ^2/NDF: 10528156.4/66

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 33.850+/-0.005 χ^2/NDF:18216834.2/60

All: 33.527+/-0.003 χ^2/NDF: 32029587.7/114

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: 0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

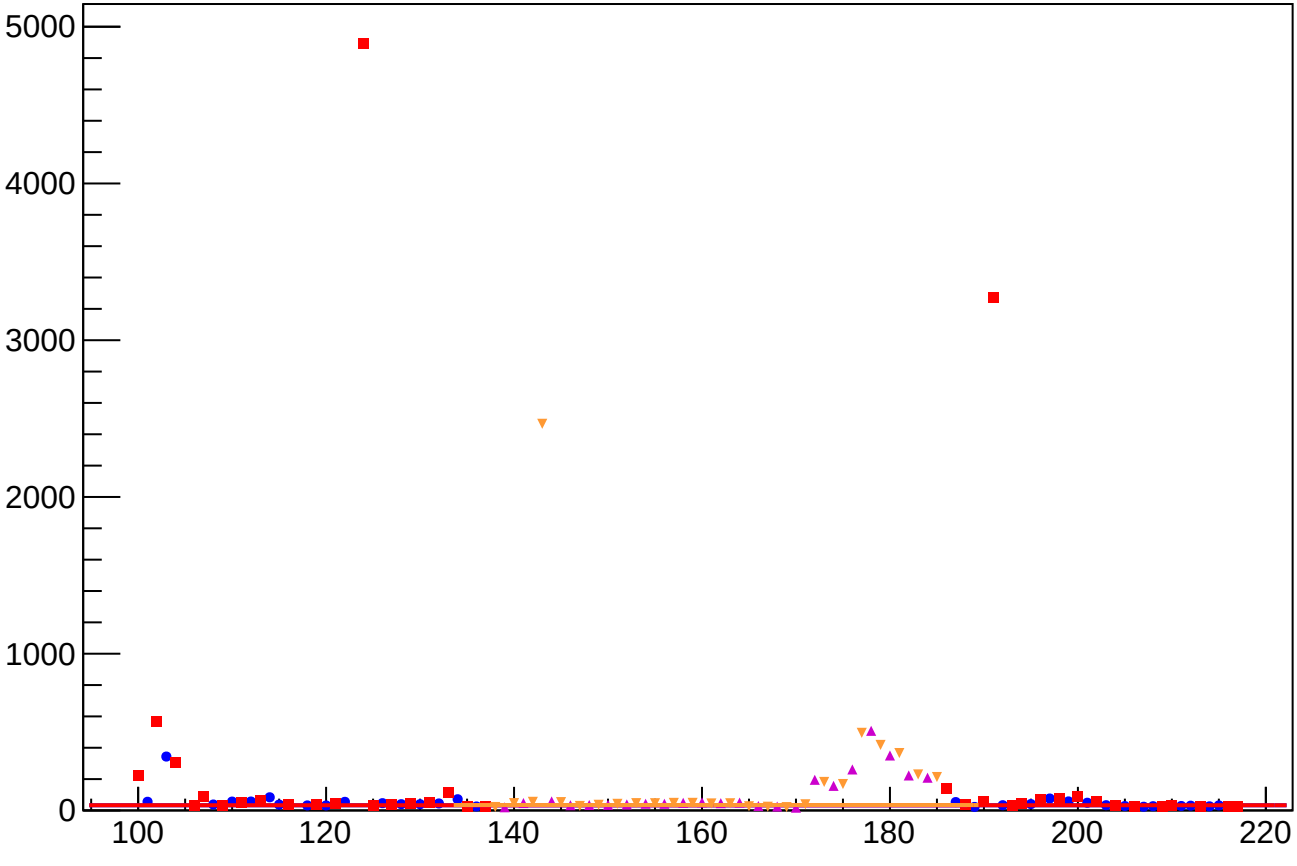
Right: 0.011+/-0.006 χ^2/NDF: 69.5/66

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.009+/-0.005 χ^2/NDF: 112.8/114

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: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

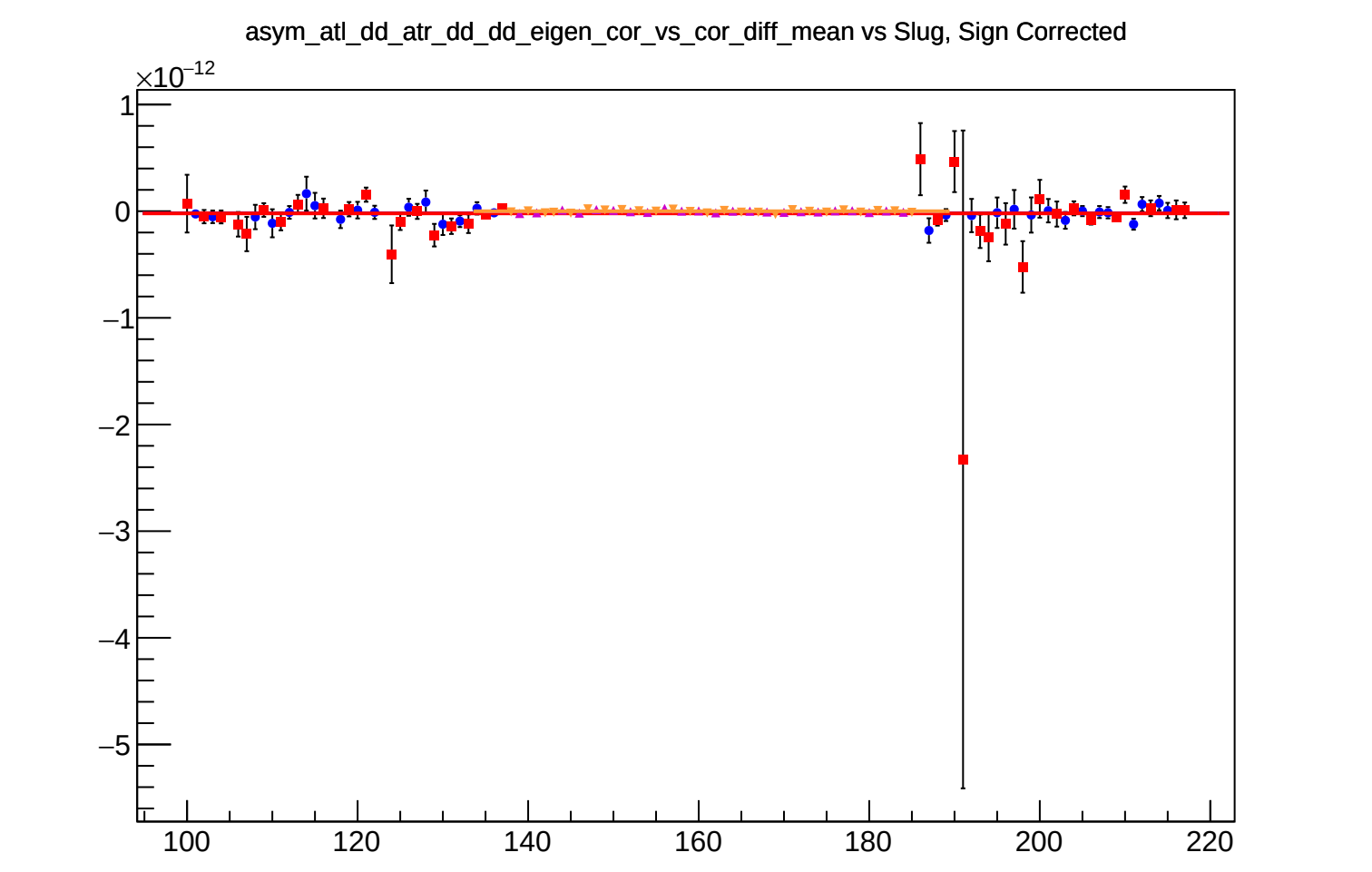
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 33.102+/-0.004 χ^2/NDF: 10528156.4/66

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 33.850+/-0.005 χ^2/NDF:18216834.2/60

All: 33.527+/-0.003 χ^2/NDF: 32029587.7/114



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: 50.9/35

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

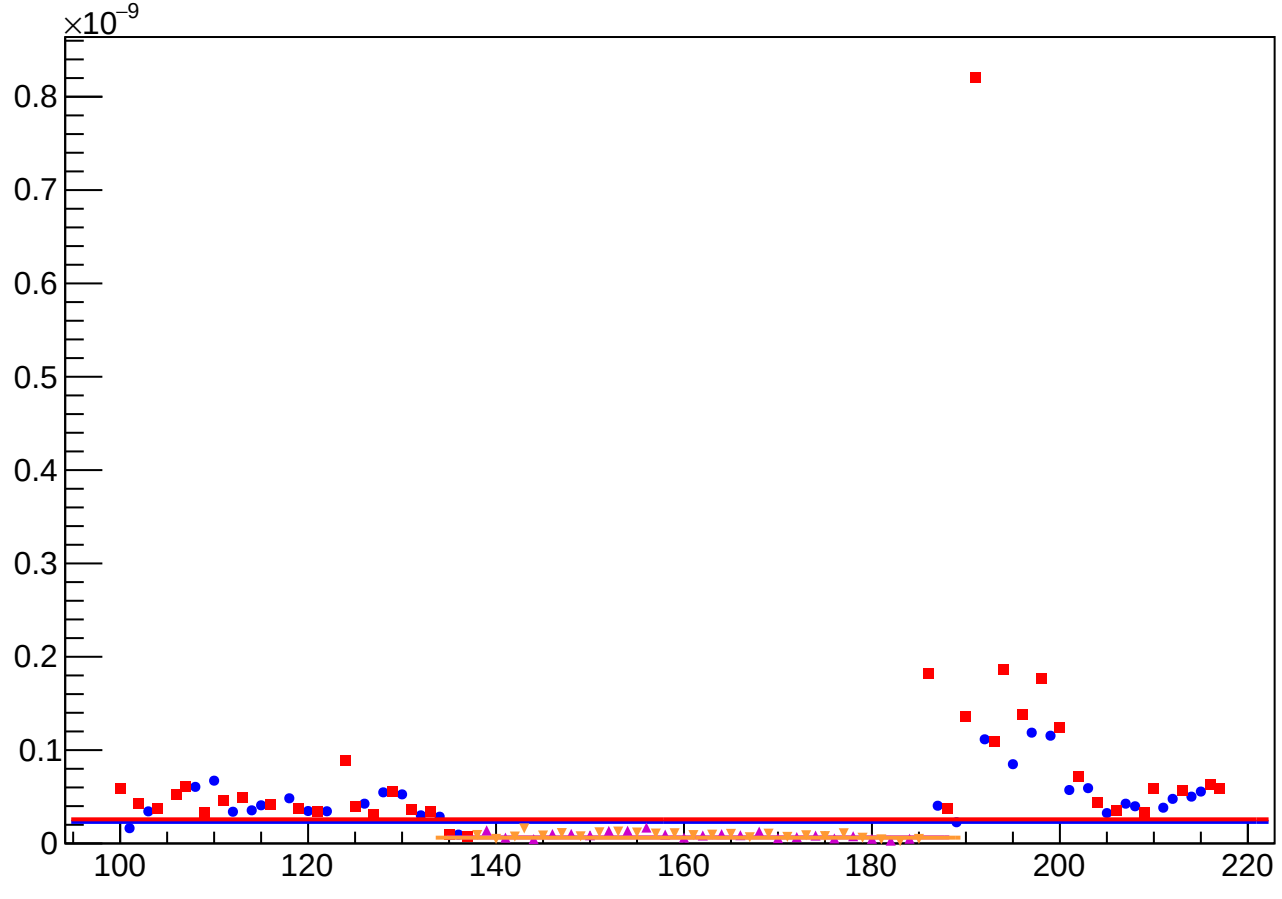
Right: -0.000+/-0.000 χ^2/NDF: 70.0/66

In: -0.000+/-0.000 χ^2/NDF:42.6/53

Out: -0.000+/-0.000 χ^2/NDF:81.2/60

All: -0.000+/-0.000 χ^2/NDF: 124.3/114

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8535778.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11271684.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

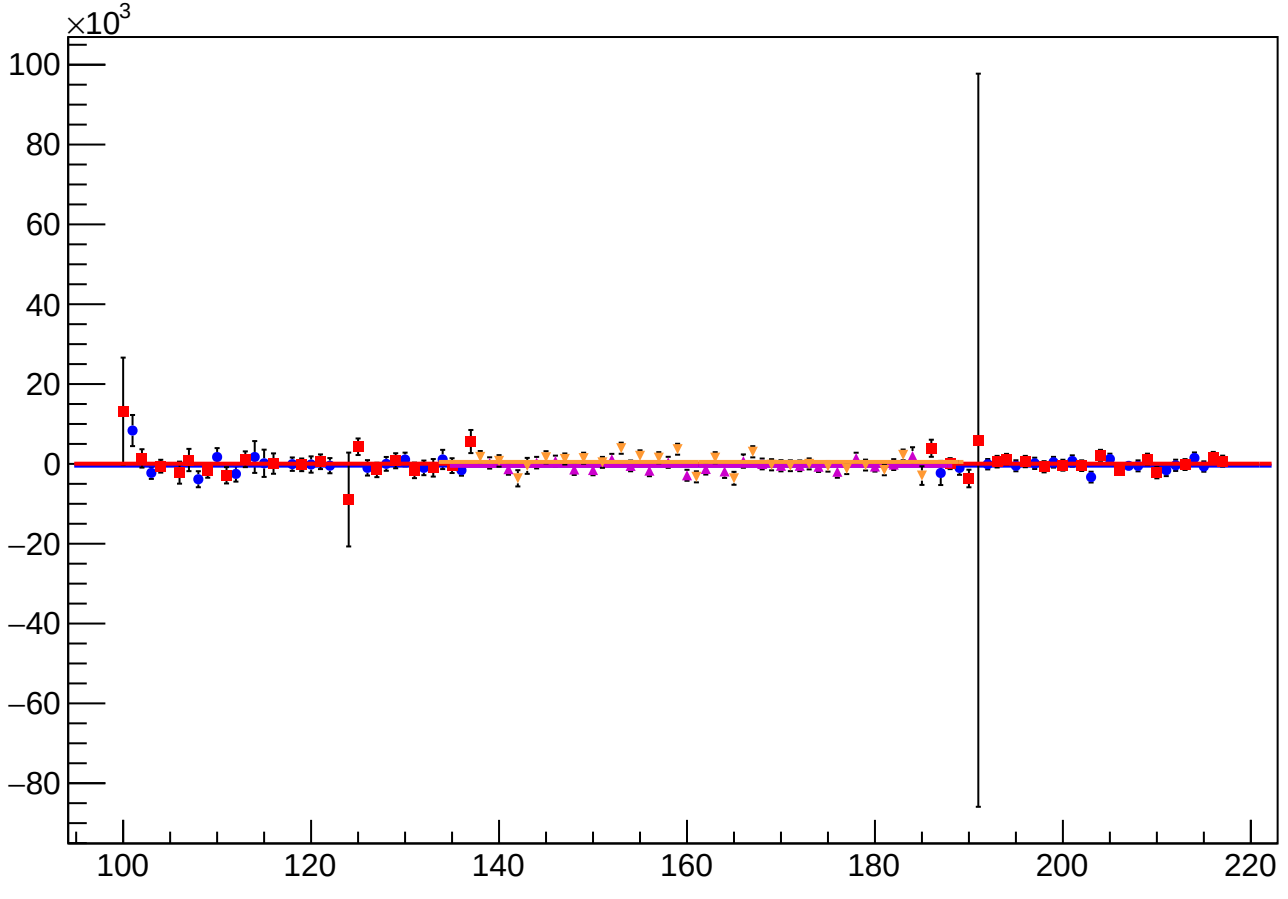
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 19896871.9/66

In: 0.000+/-0.000 χ^2/NDF:19371915.8/53

Out: 0.000+/-0.000 χ^2/NDF:24323928.8/60

All: 0.000+/-0.000 χ^2/NDF: 43731684.8/114



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: 49.443+/-288.010 χ^2/NDF: 32.5/35

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

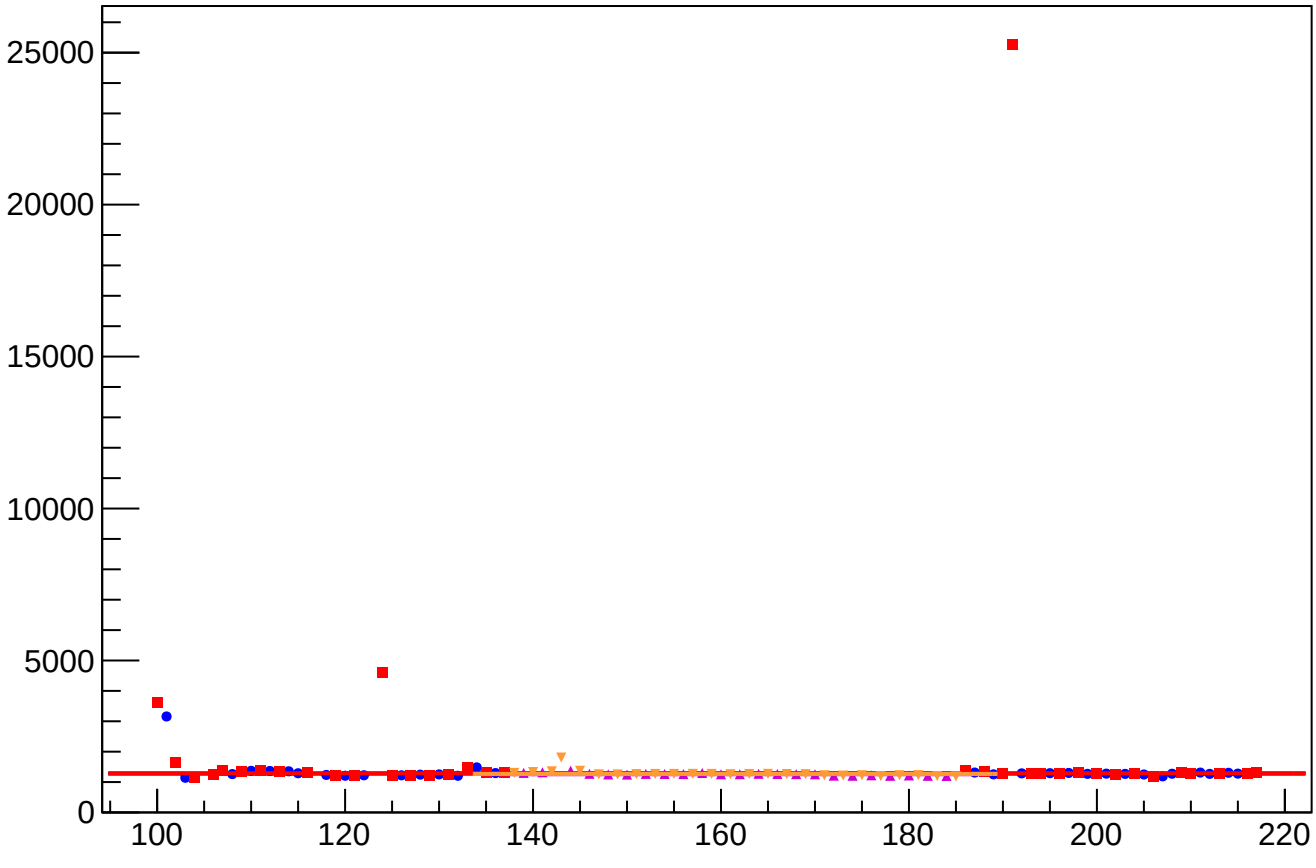
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -190.187+/-205.477 χ^2/NDF: 58.3/66

In: -462.664+/-207.538 χ^2/NDF:38.9/53

Out: 270.380+/-203.825 χ^2/NDF:80.5/60

All: -89.526+/-145.421 χ^2/NDF: 125.8/114



Right In: 1278.671+/-0.207 χ^2/NDF: 530240.2/30

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

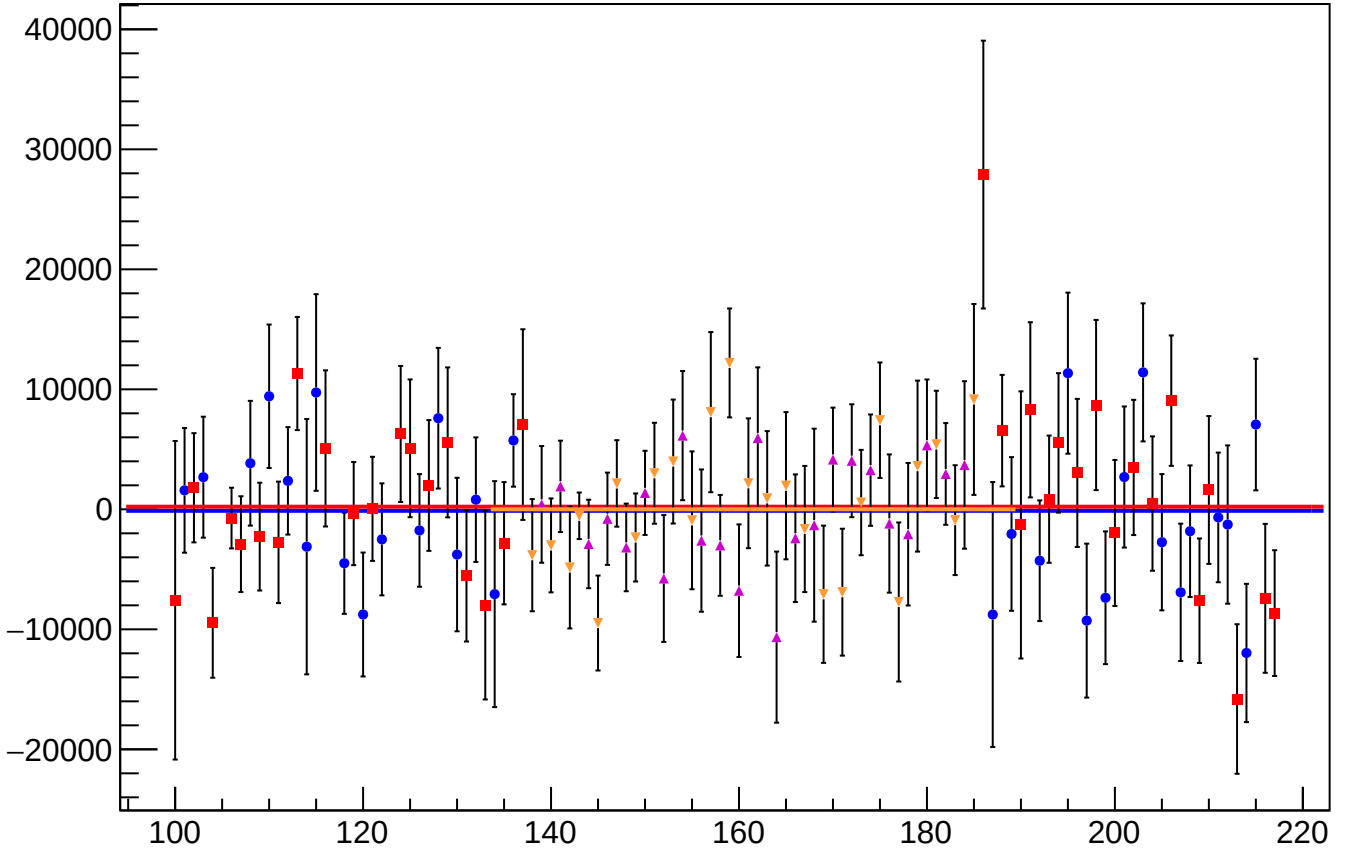
Right: 1284.007+/-0.145 χ^2/NDF: 1014865.1/66

In: 1268.130+/-0.147 χ^2/NDF:572234.4/53

Out: 1278.086+/-0.144 χ^2/NDF:676795.6/60

All: 1273.200+/-0.103 χ^2/NDF: 1251373.5/11

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: 219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

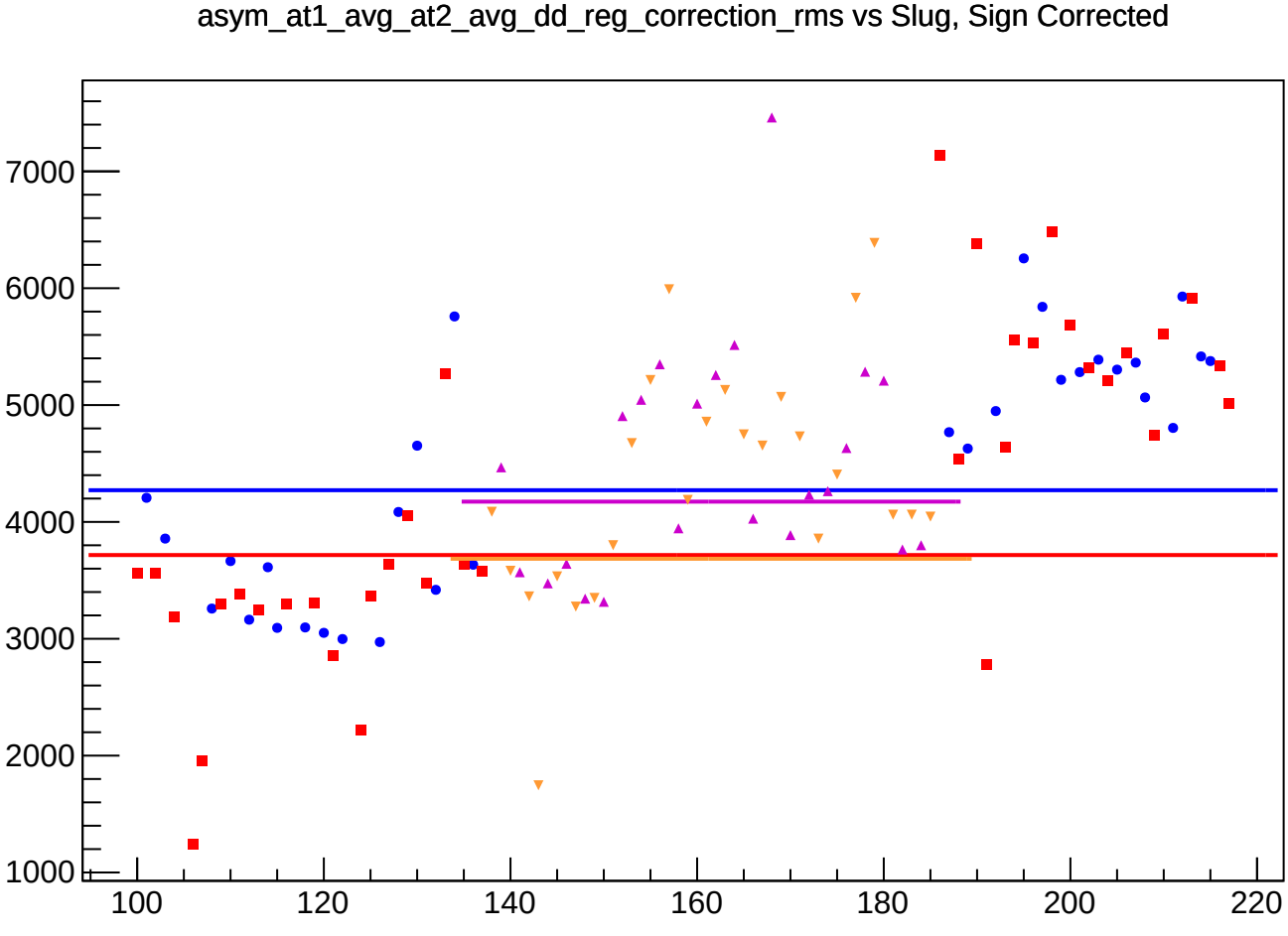
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 69.523+/-663.137 χ^2/NDF: 81.3/66

In: -45.196+/-706.269 χ^2/NDF:48.7/53

Out: 109.686+/-626.086 χ^2/NDF:75.7/60

All: 41.532+/-468.505 χ^2/NDF: 124.4/114



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: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

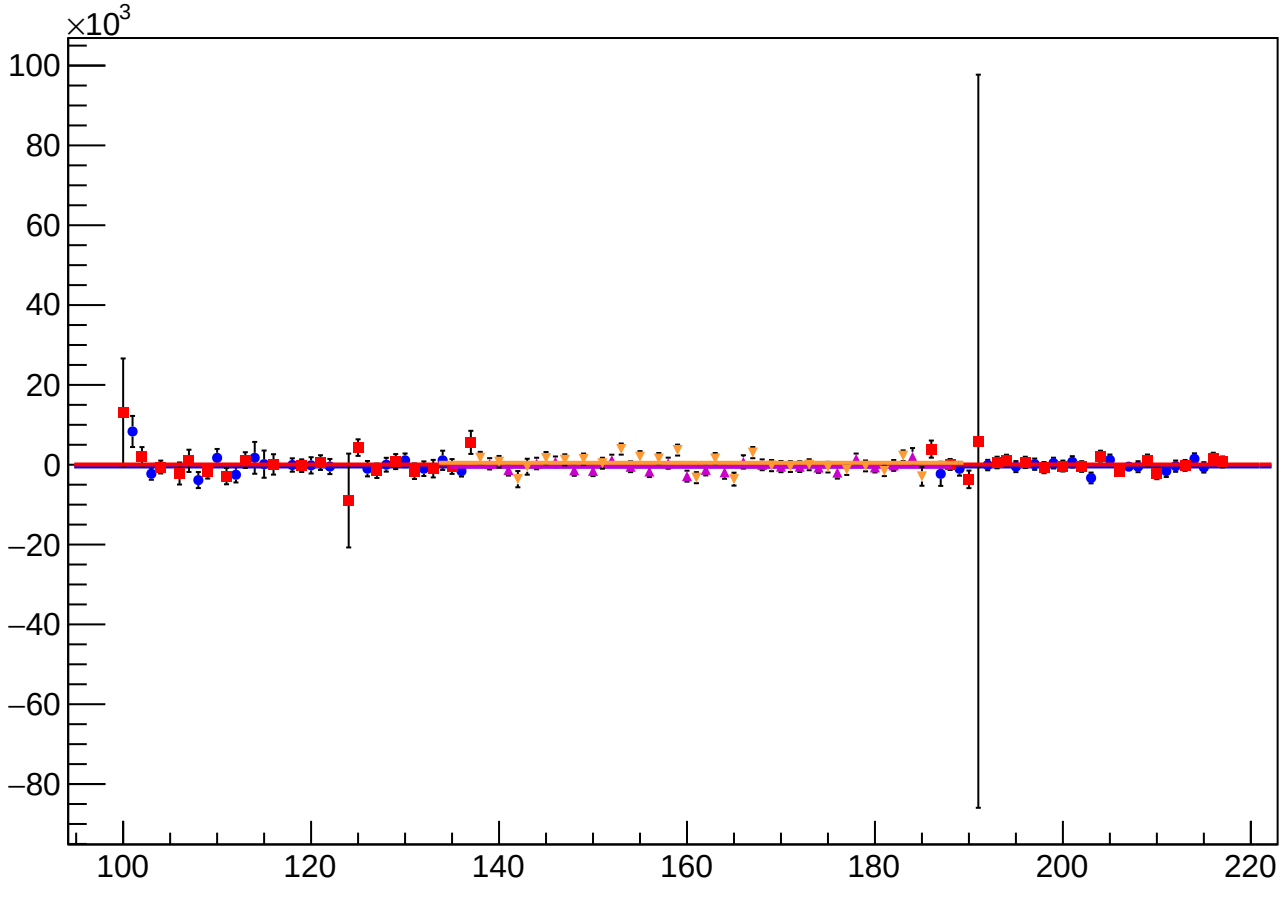
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3959.376+/-0.469 χ^2/NDF: 7734764.4/66

In: 4222.153+/-0.499 χ^2/NDF:3323855.6/53

Out: 3700.647+/-0.443 χ^2/NDF:9045633.0/60

All: 3930.129+/-0.331 χ^2/NDF: 12980106.0/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

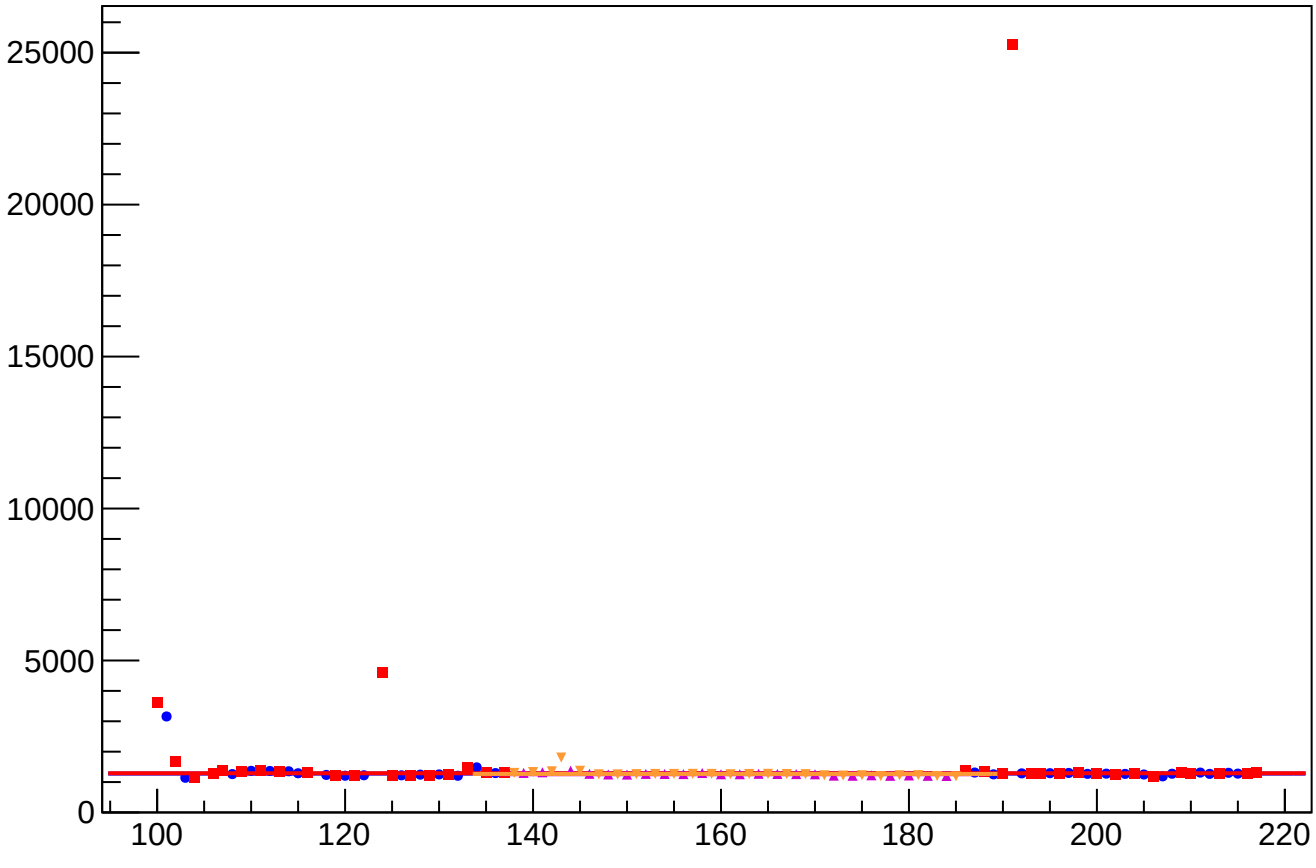
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -185.134+/-205.502 χ^2/NDF: 58.8/66

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -86.955+/-145.430 χ^2/NDF: 126.2/114



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

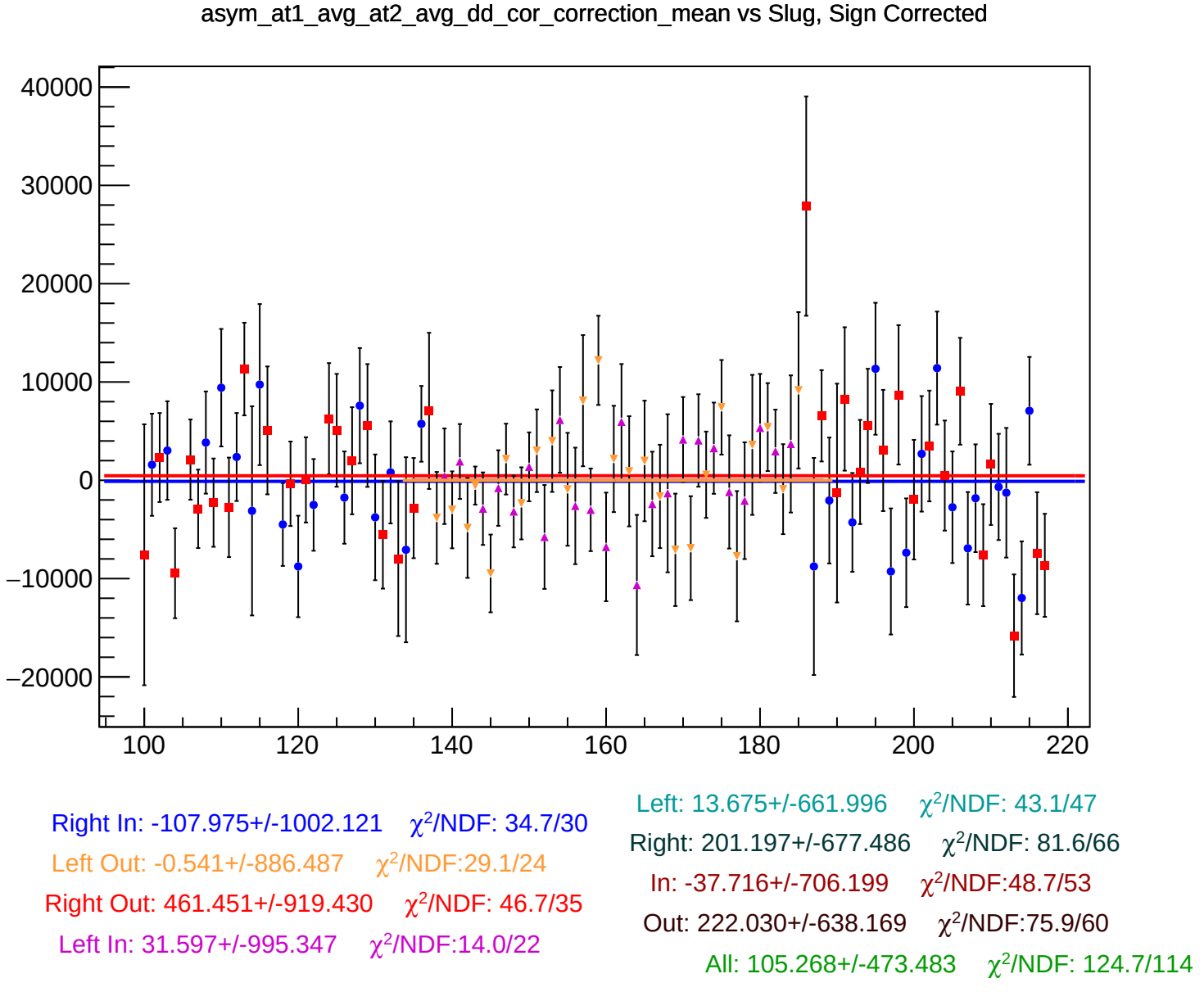
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1284.361+/-0.145 χ^2/NDF: 1021923.6/66

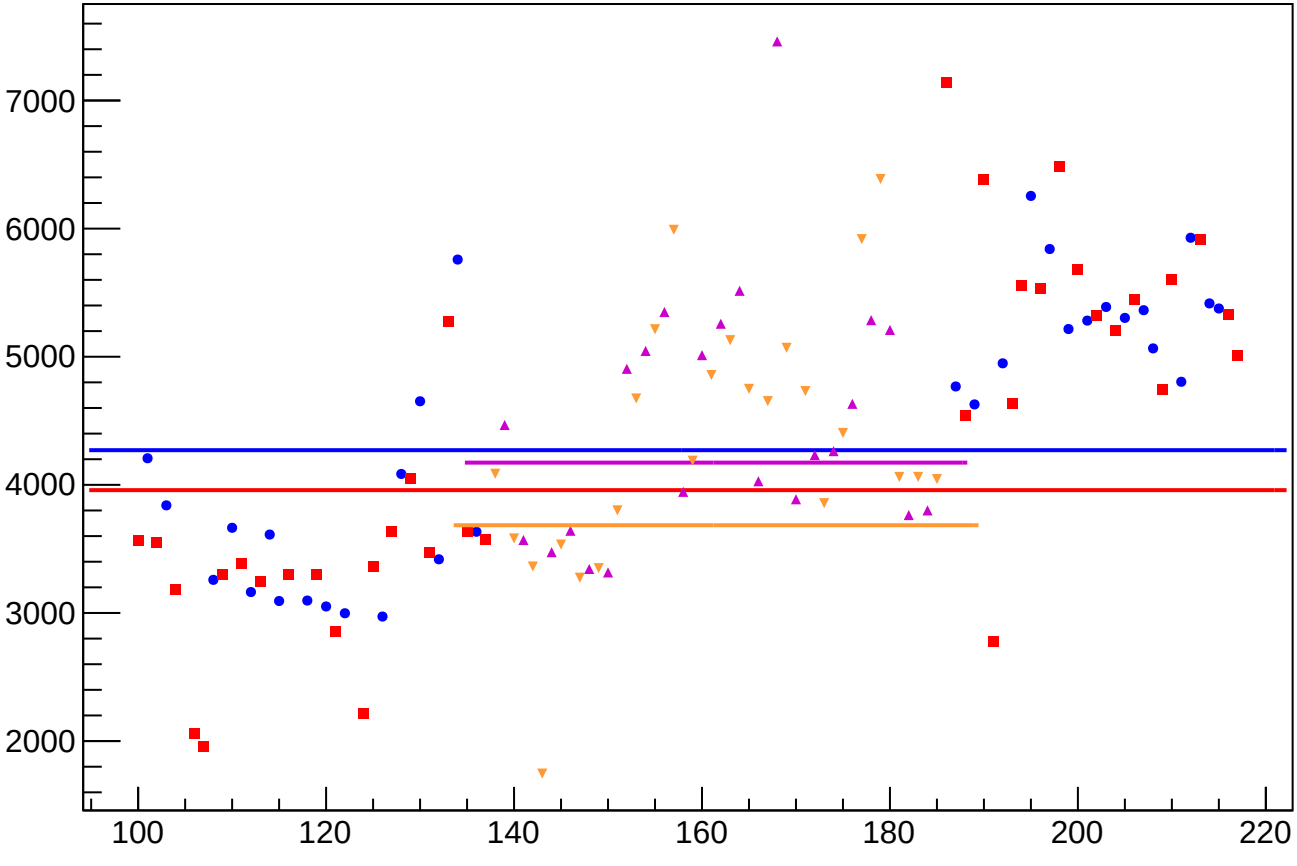
In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11


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: 461.451+/-919.430 χ²/NDF: 46.7/35
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 201.197+/-677.486 χ²/NDF: 81.6/66
In: -37.716+/-706.199 χ²/NDF:48.7/53
Out: 222.030+/-638.169 χ²/NDF:75.9/60
All: 105.268+/-473.483 χ²/NDF: 124.7/114

asym_at1_avg_at2_avg_dd_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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

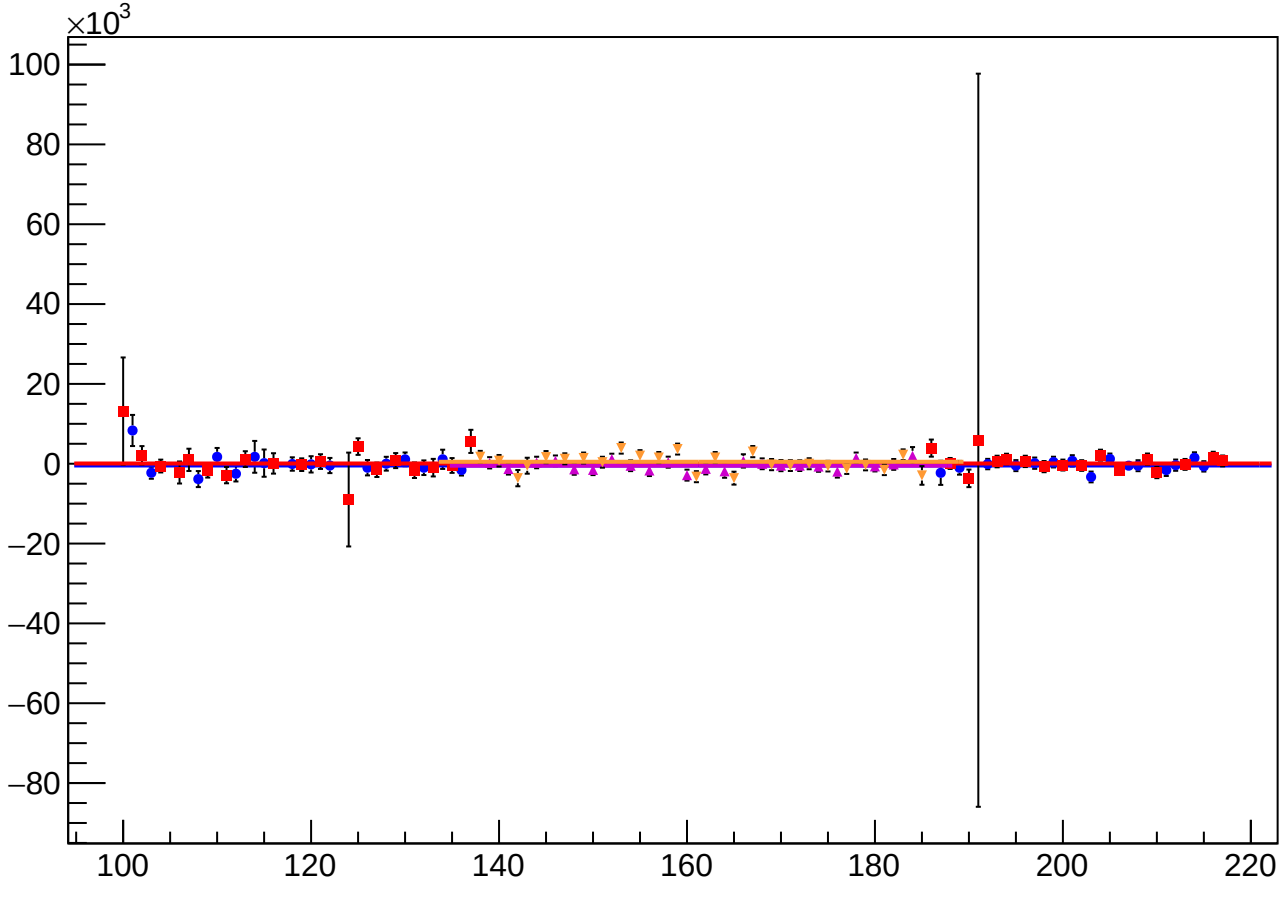
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4101.223+/-0.479 χ^2/NDF: 5772846.2/66

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

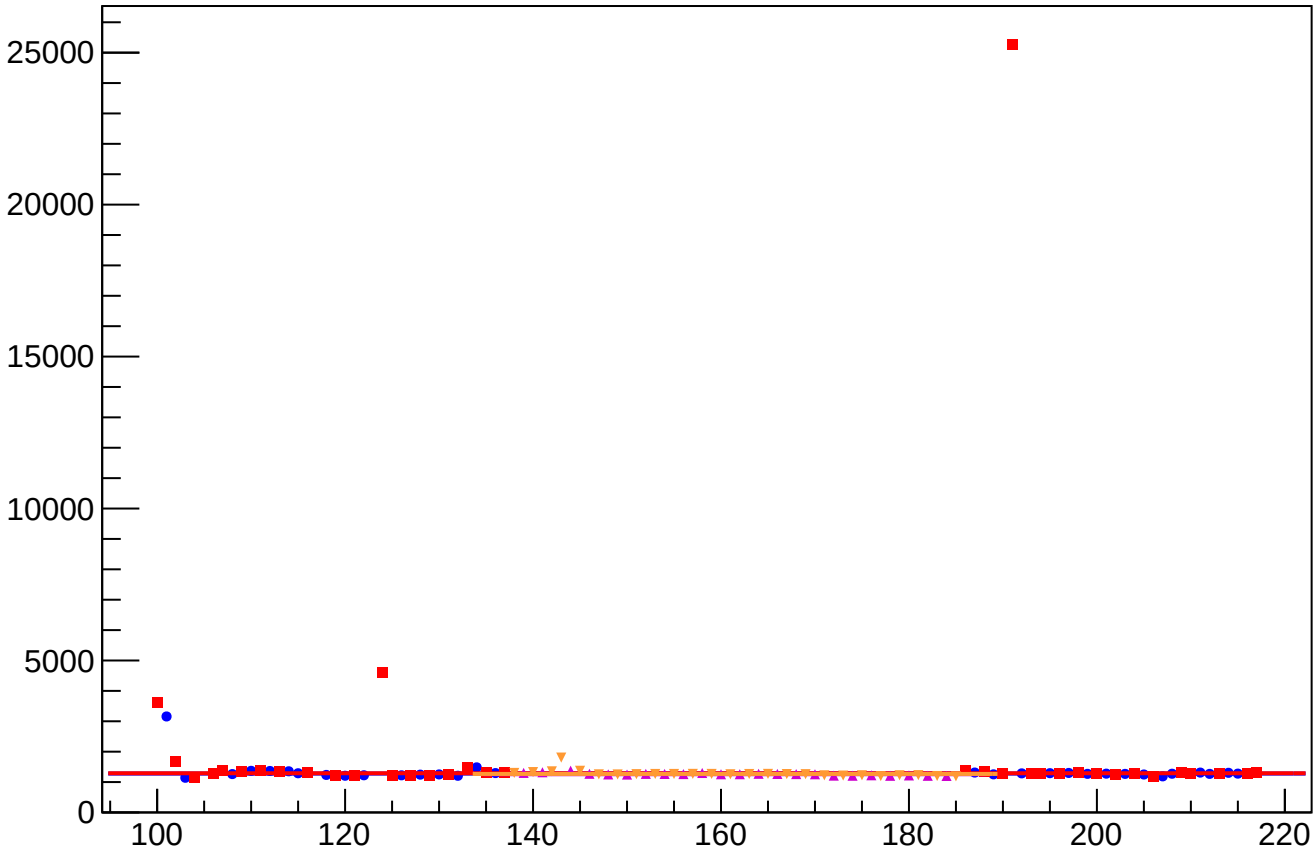
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -185.134+/-205.502 χ^2/NDF: 58.8/66

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -86.955+/-145.430 χ^2/NDF: 126.2/114



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

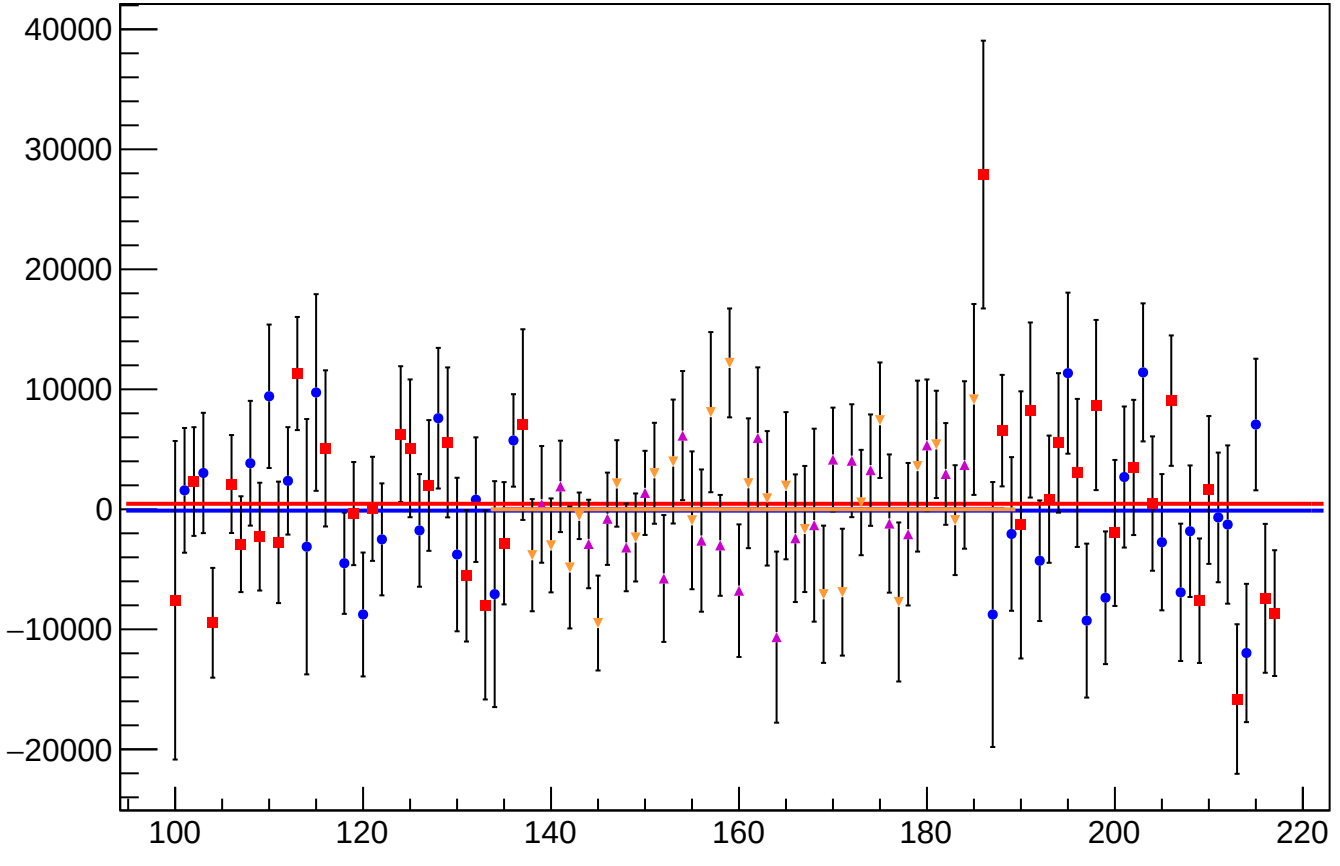
Right: 1284.361+/-0.145 χ^2/NDF: 1021923.6/66

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11

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: 461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

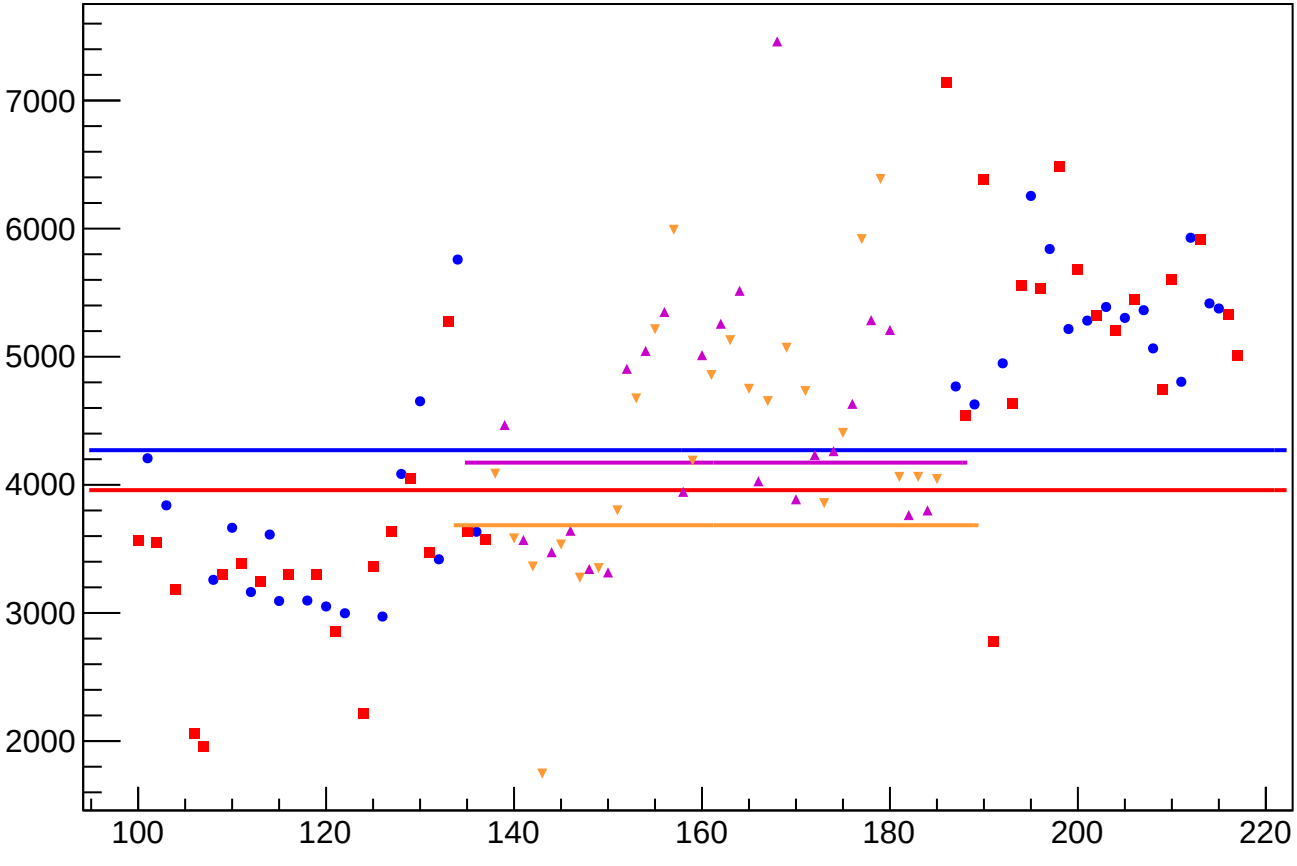
Right: 201.197+/-677.486 χ^2/NDF: 81.6/66

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 222.030+/-638.169 χ^2/NDF:75.9/60

All: 105.268+/-473.483 χ^2/NDF: 124.7/114

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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

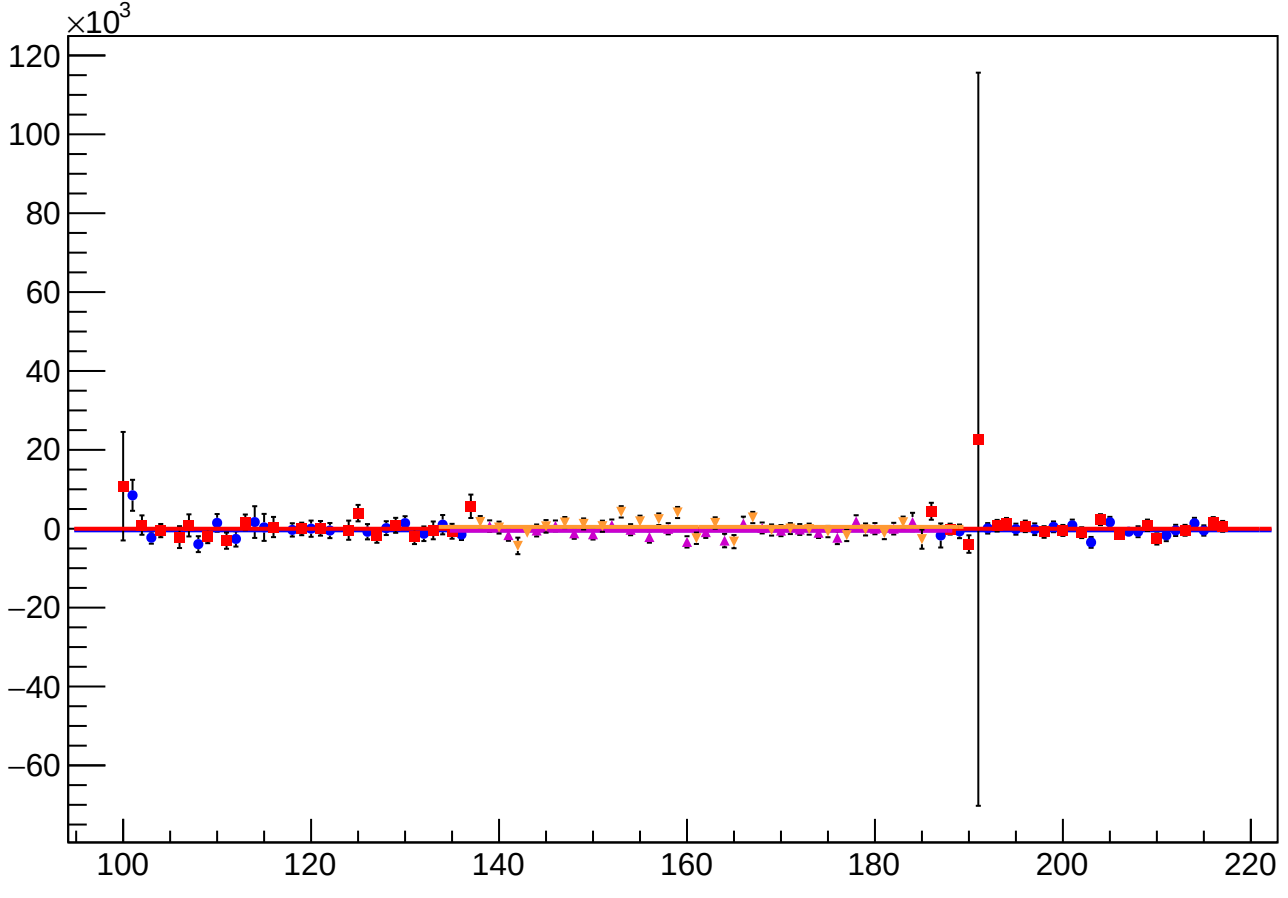
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4101.223+/-0.479 χ^2/NDF: 5772846.2/66

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1



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: -2.606+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

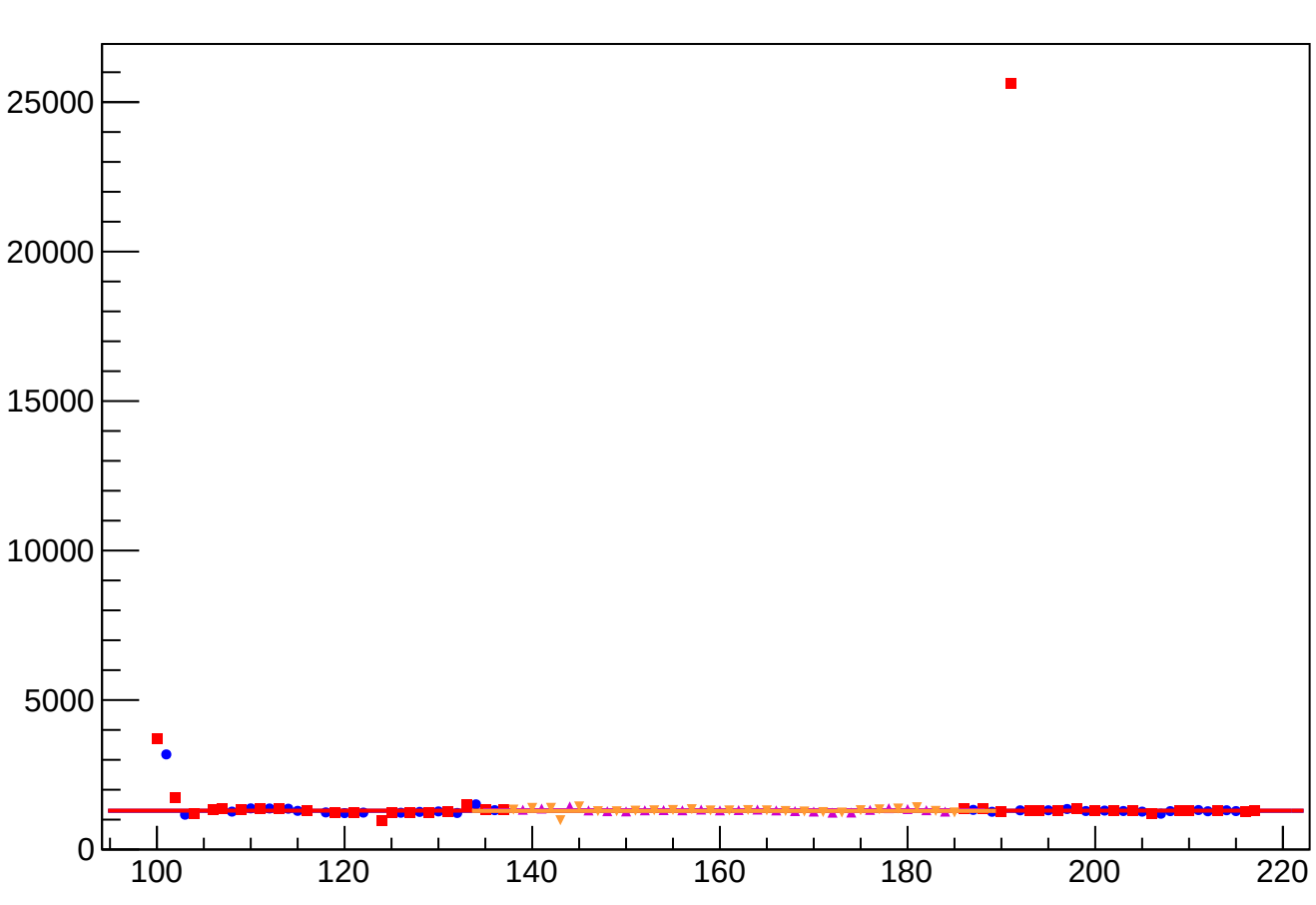
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -198.366+/-207.546 χ^2/NDF: 60.6/66

In: -451.795+/-213.463 χ^2/NDF:43.1/53

Out: 229.383+/-206.616 χ^2/NDF:79.4/60

All: -100.106+/-148.461 χ^2/NDF: 127.8/114



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.2/30

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

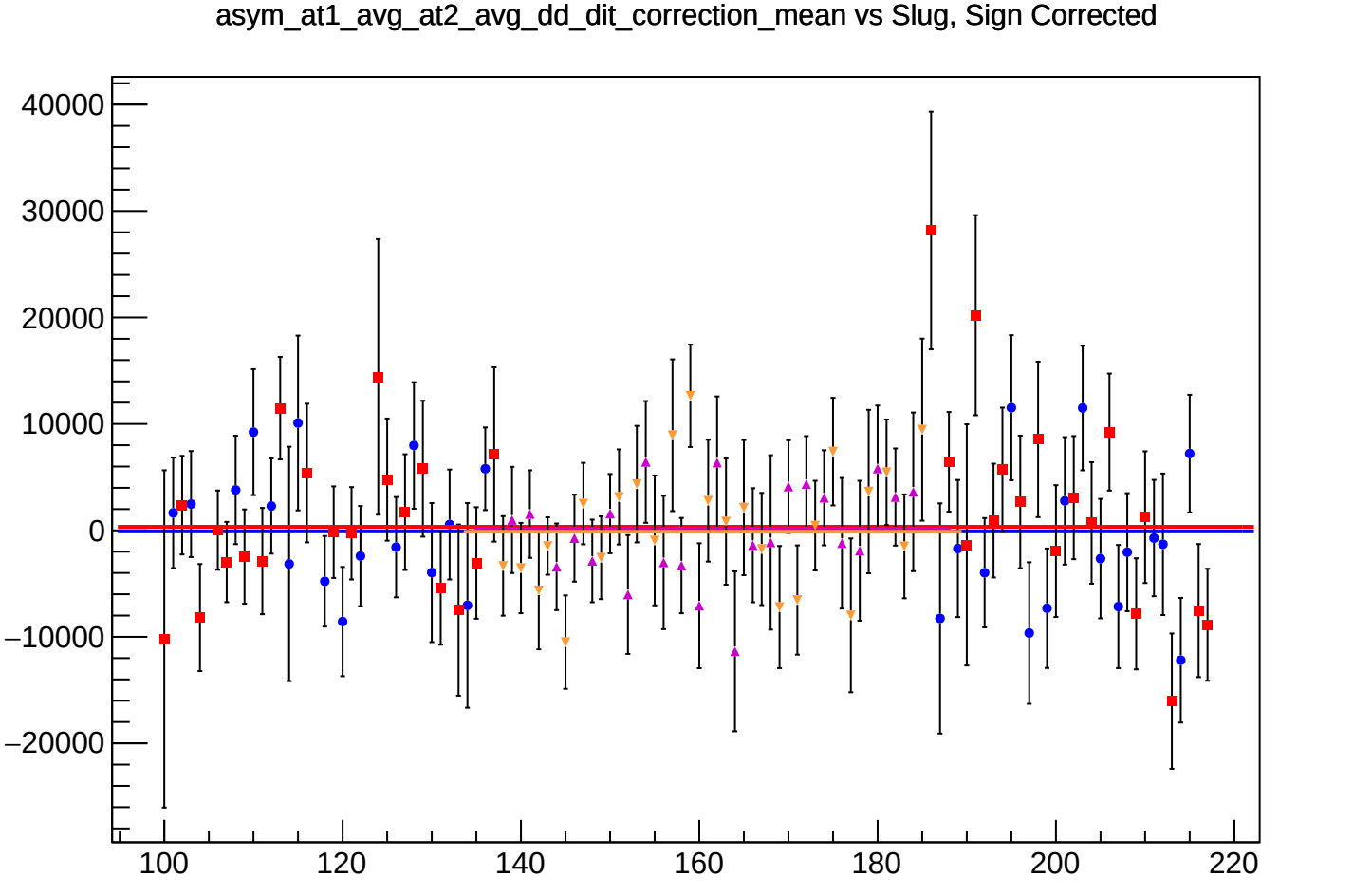
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1297.679+/-0.147 χ^2/NDF: 909567.5/66

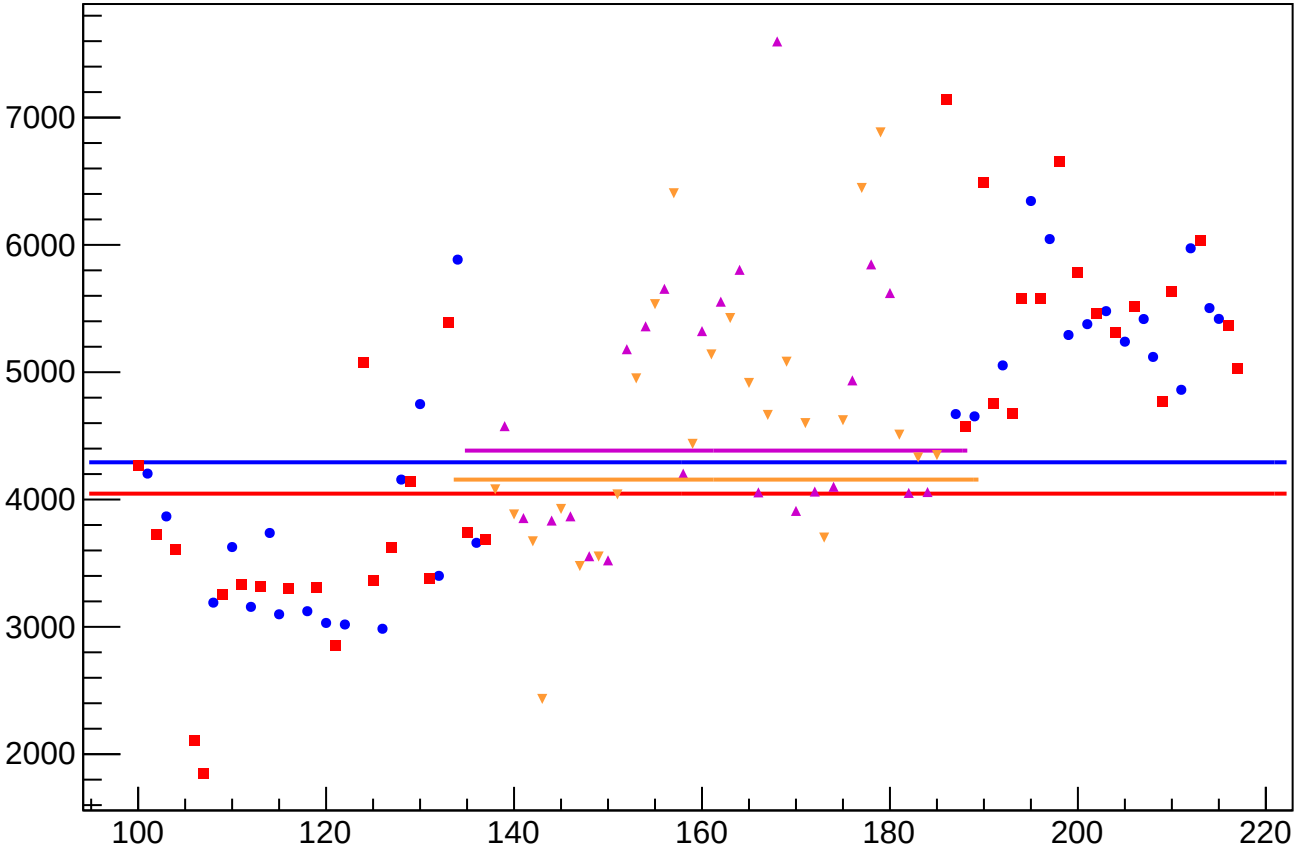
In: 1304.080+/-0.151 χ^2/NDF:577298.1/53

Out: 1295.886+/-0.146 χ^2/NDF:610720.7/60

All: 1299.849+/-0.105 χ^2/NDF: 1189540.9/11


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
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: 334.966+/-934.371 χ²/NDF: 48.3/35
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 138.768+/-685.380 χ²/NDF: 83.0/66
In: 30.350+/-725.812 χ²/NDF:48.4/53
Out: 114.205+/-675.344 χ²/NDF:77.0/60
All: 75.294+/-494.420 χ²/NDF: 125.4/114

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4292.473+/-0.713 χ^2/NDF: 2142067.4/30

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

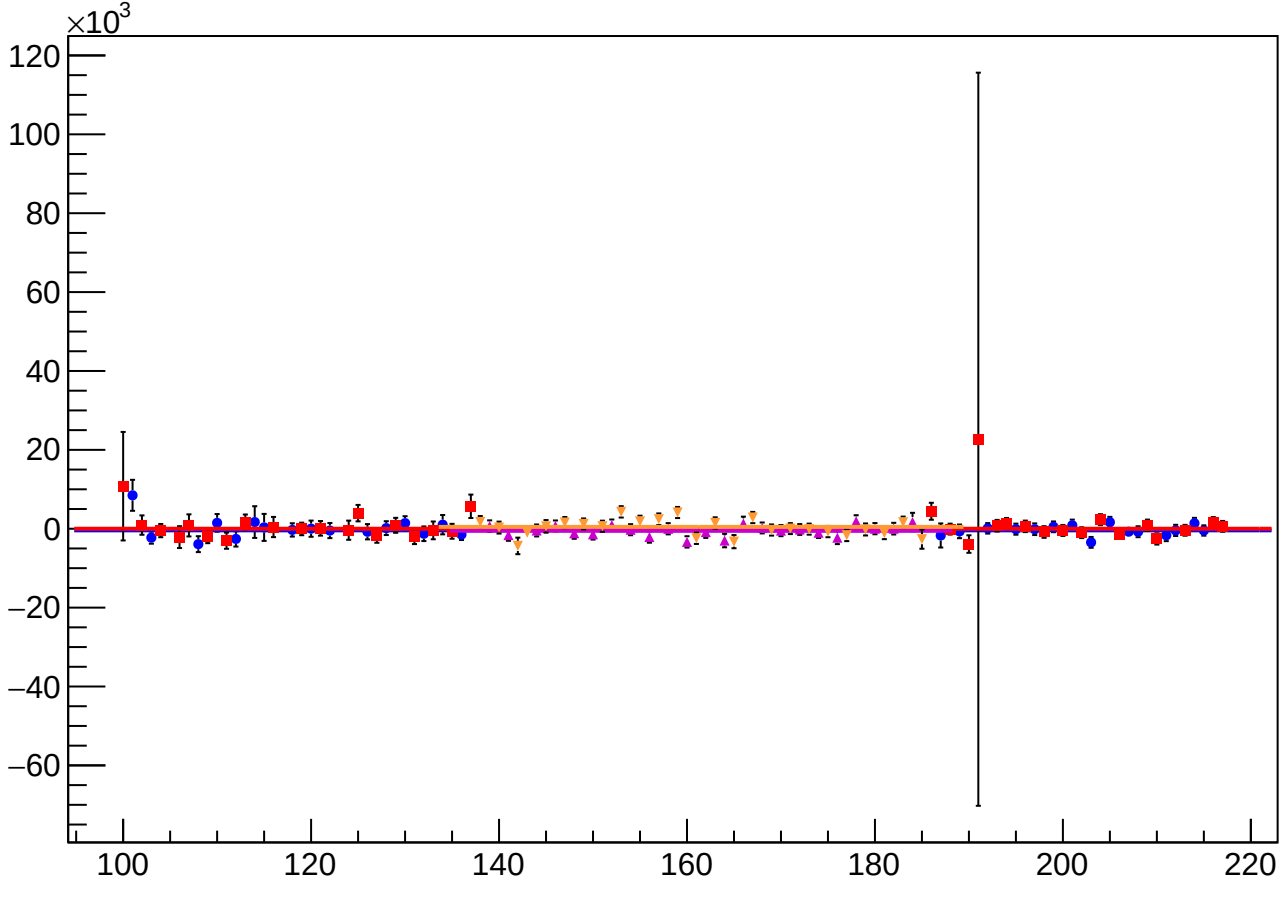
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4159.993+/-0.485 χ^2/NDF: 5859662.4/66

In: 4336.739+/-0.513 χ^2/NDF:3405534.8/53

Out: 4098.944+/-0.478 χ^2/NDF:5747522.7/60

All: 4209.287+/-0.350 χ^2/NDF: 9268119.3/11



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: -2.608+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

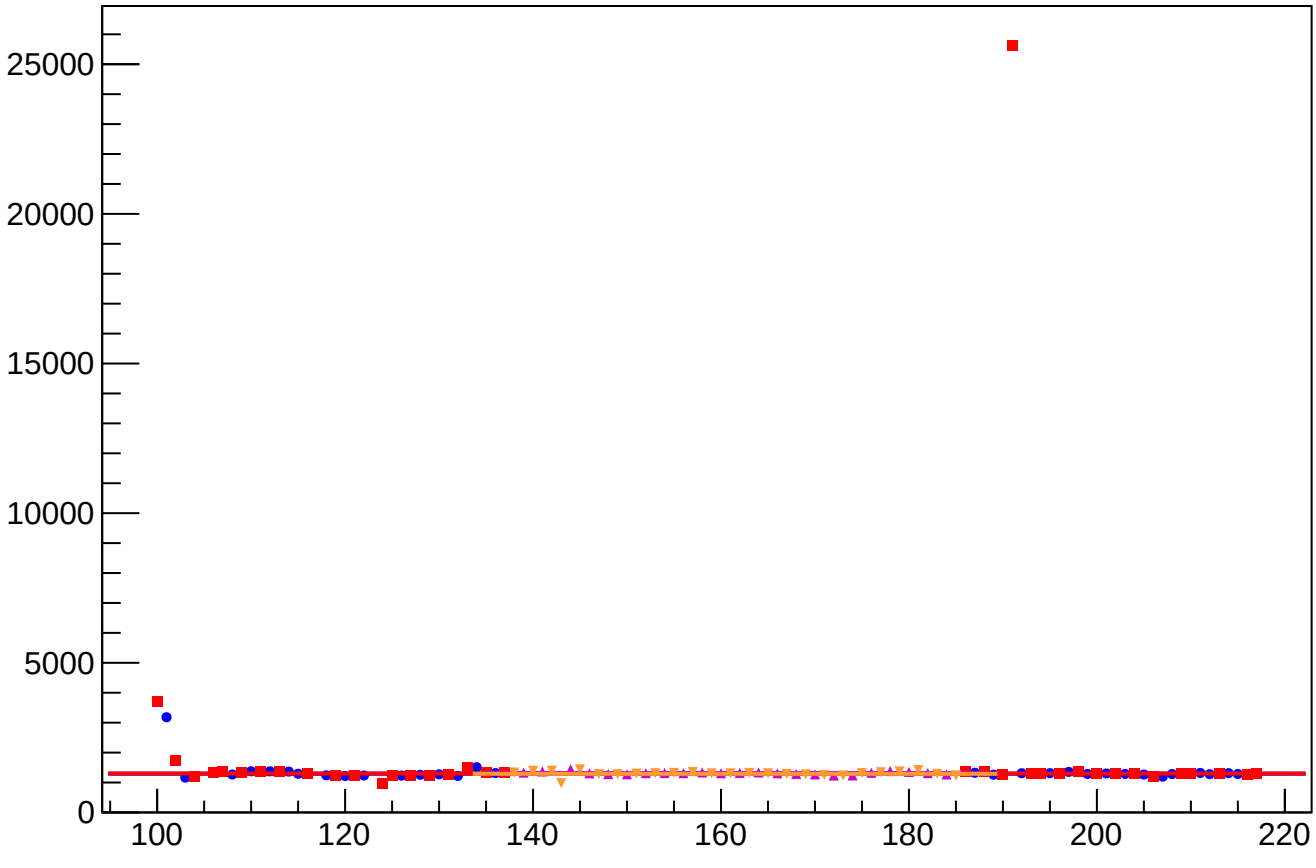
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -198.367+/-207.546 χ^2/NDF: 60.6/66

In: -451.794+/-213.463 χ^2/NDF:43.1/53

Out: 229.384+/-206.616 χ^2/NDF:79.4/60

All: -100.106+/-148.461 χ^2/NDF: 127.8/114



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.3/30

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

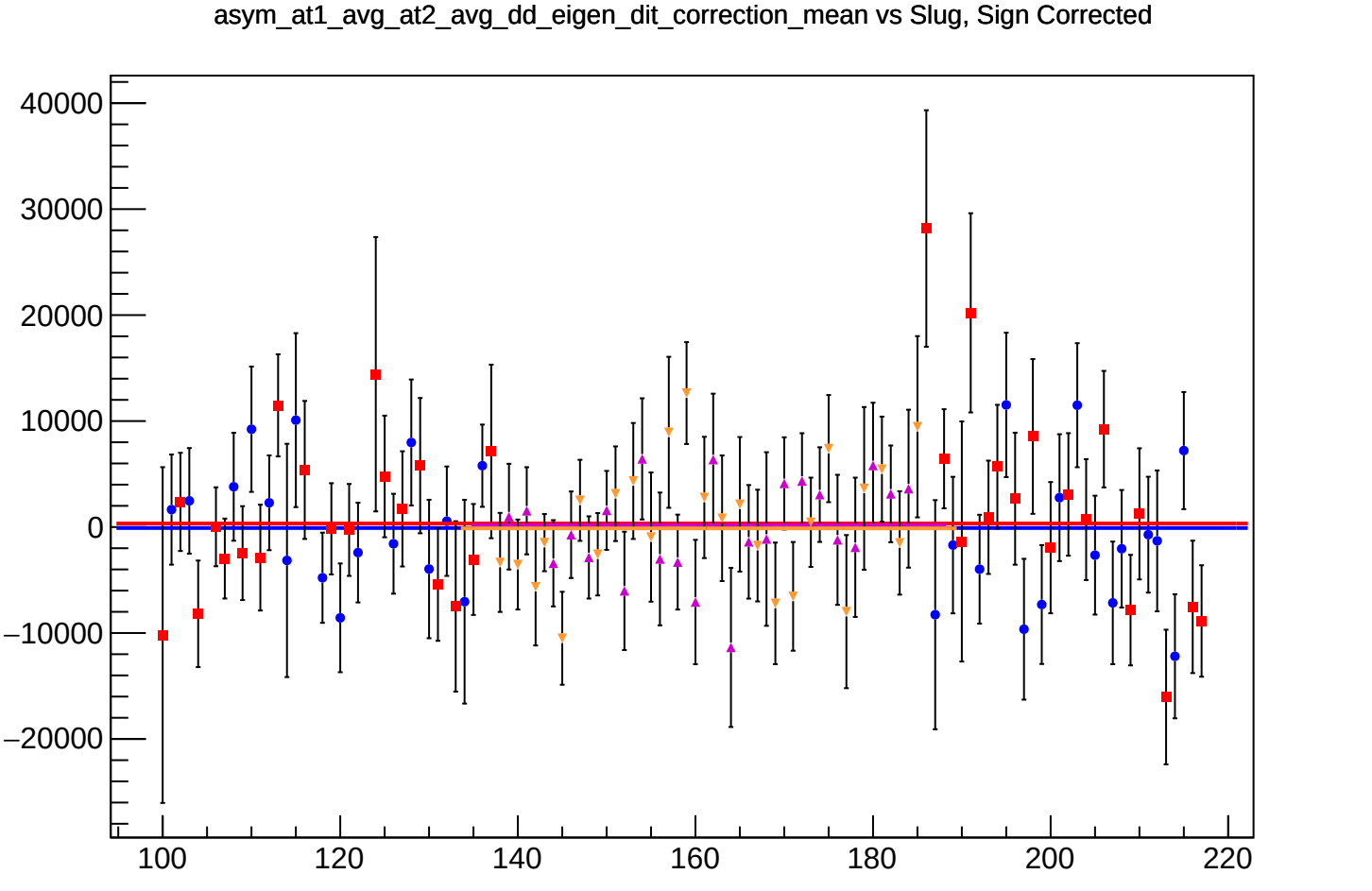
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.679+/-0.147 χ^2/NDF: 909567.7/66

In: 1304.081+/-0.151 χ^2/NDF:577300.9/53

Out: 1295.886+/-0.146 χ^2/NDF:610723.1/60

All: 1299.850+/-0.105 χ^2/NDF: 1189546.0/11



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: 334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

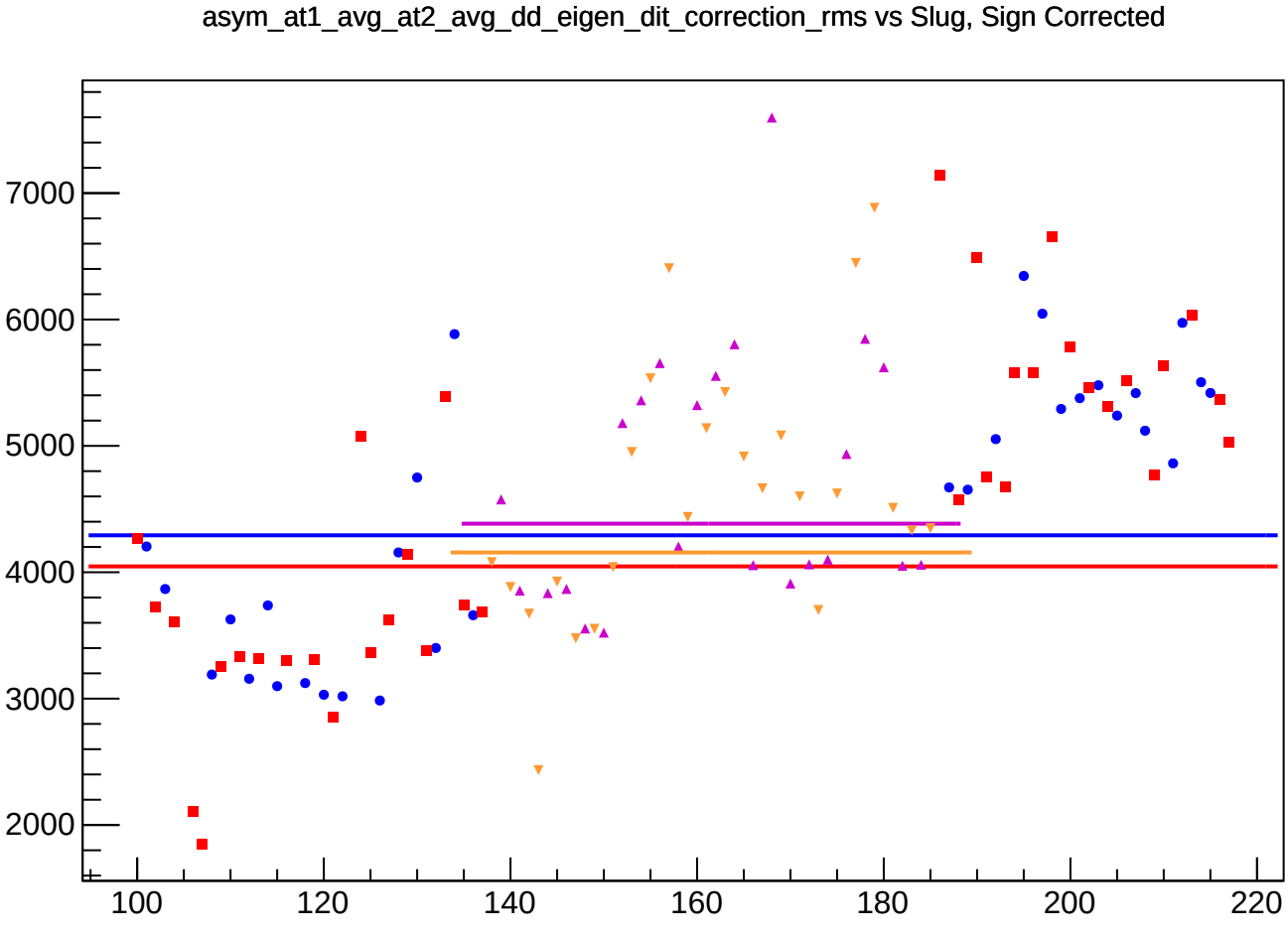
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 138.764+/-685.379 χ^2/NDF: 83.0/66

In: 30.348+/-725.813 χ^2/NDF:48.4/53

Out: 114.204+/-675.344 χ^2/NDF:77.0/60

All: 75.293+/-494.420 χ^2/NDF: 125.4/114



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: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

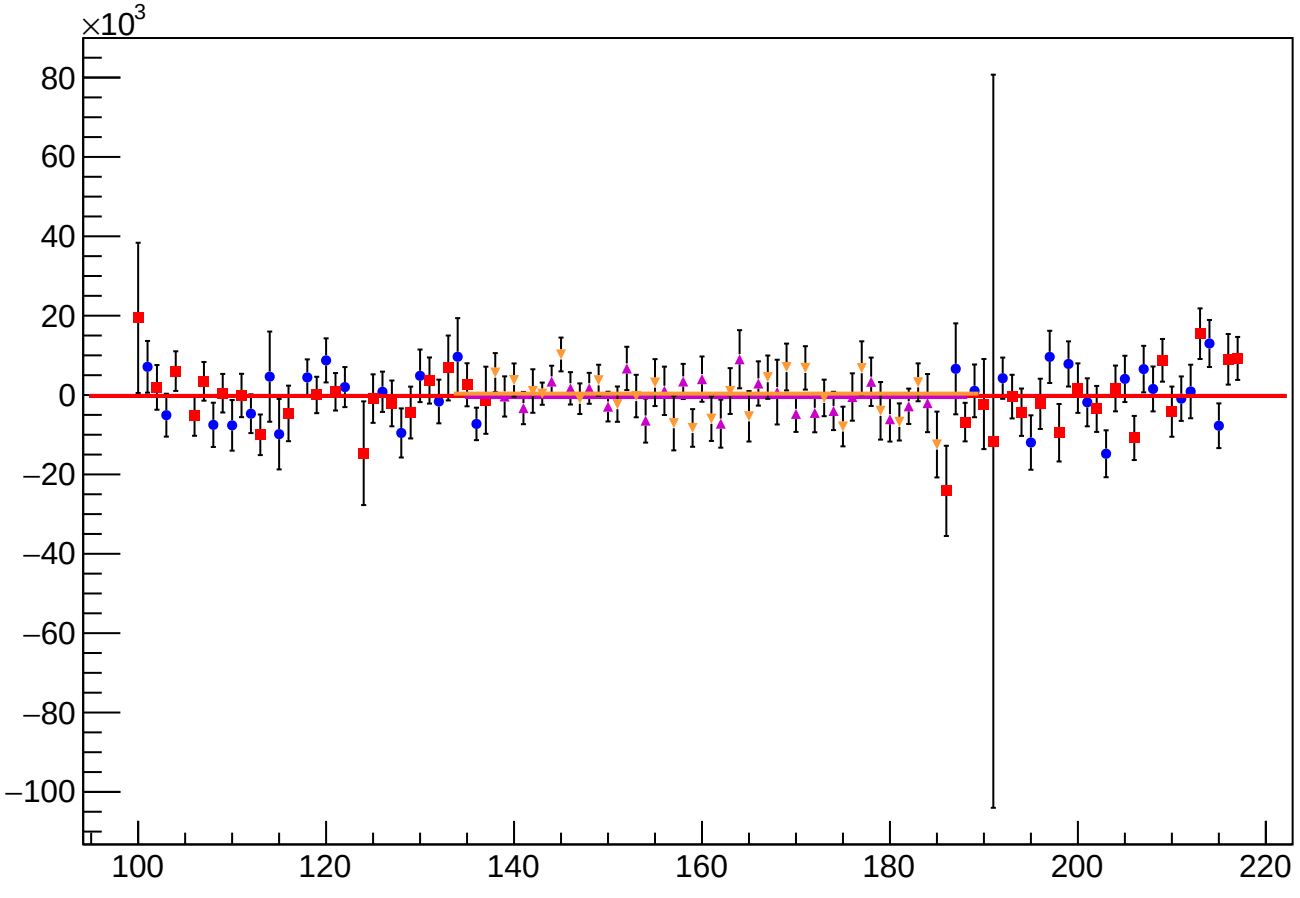
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4159.988+/-0.485 χ^2/NDF: 5859737.9/66

In: 4336.740+/-0.513 χ^2/NDF:3405579.4/53

Out: 4098.944+/-0.478 χ^2/NDF:5747565.0/60

All: 4209.288+/-0.350 χ^2/NDF: 9268206.7/11



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: -228.319+/-1008.085 χ^2/NDF: 38.7/35

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

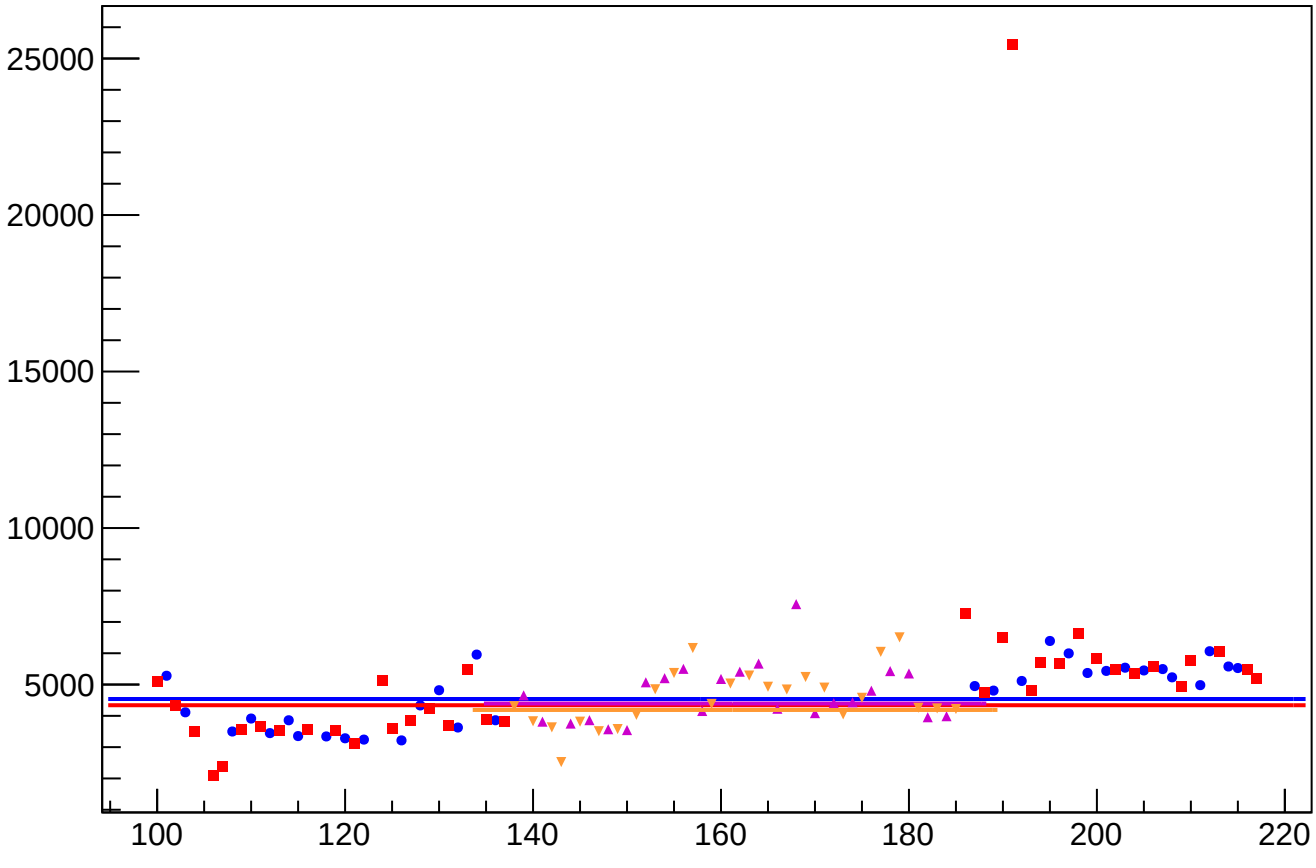
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -224.838+/-730.504 χ^2/NDF: 80.0/66

In: -361.271+/-744.084 χ^2/NDF:55.3/53

Out: 75.492+/-702.632 χ^2/NDF:66.5/60

All: -130.386+/-510.862 χ^2/NDF: 122.0/114



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: 4339.144+/-0.707 χ^2/NDF: 2890722.2/35

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

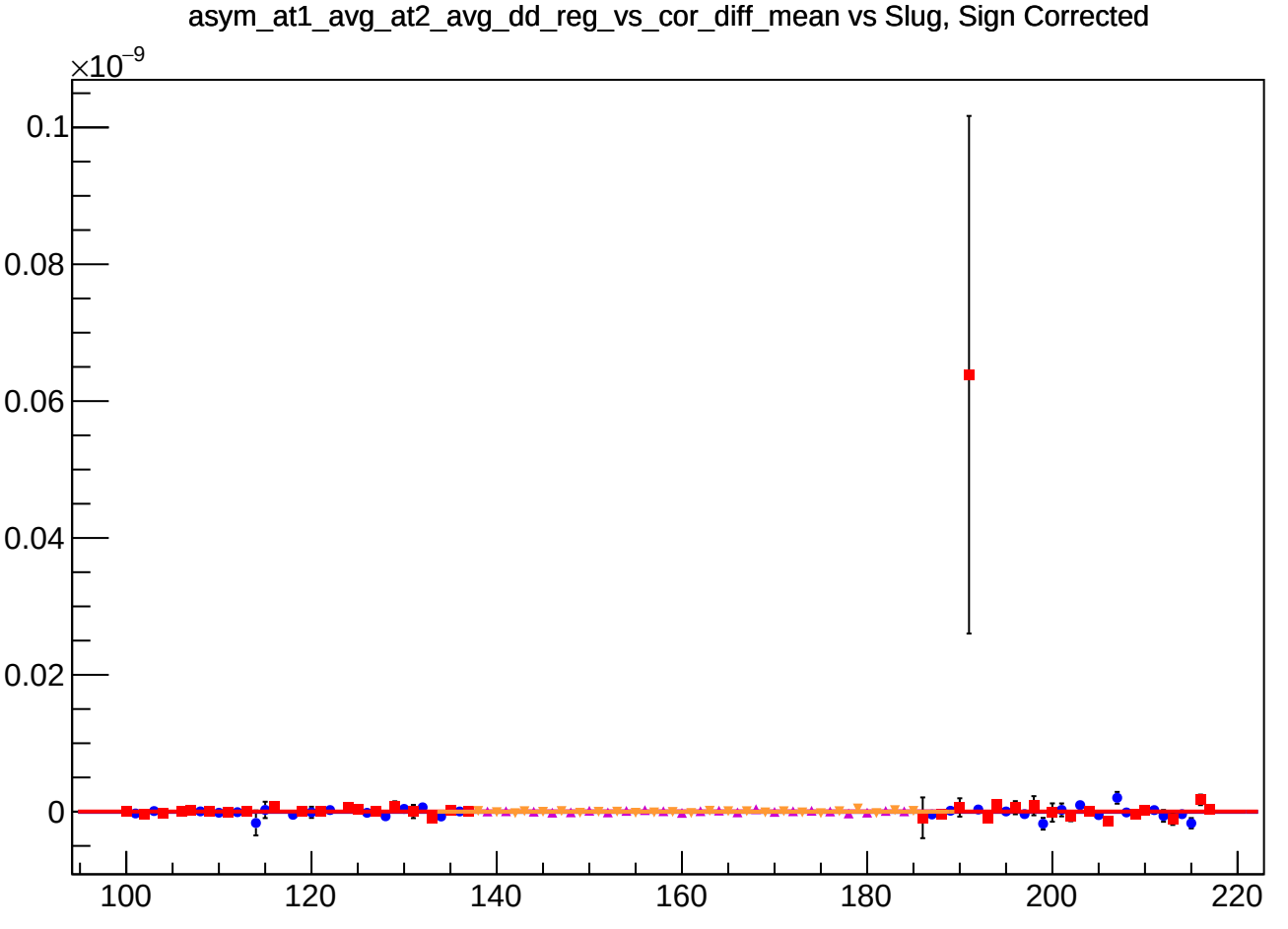
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4432.869+/-0.514 χ^2/NDF: 4652136.3/66

In: 4465.187+/-0.526 χ^2/NDF:2831196.7/53

Out: 4261.943+/-0.495 χ^2/NDF:4710419.7/60

All: 4357.358+/-0.361 χ^2/NDF: 7620782.8/11



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: 40.5/35

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

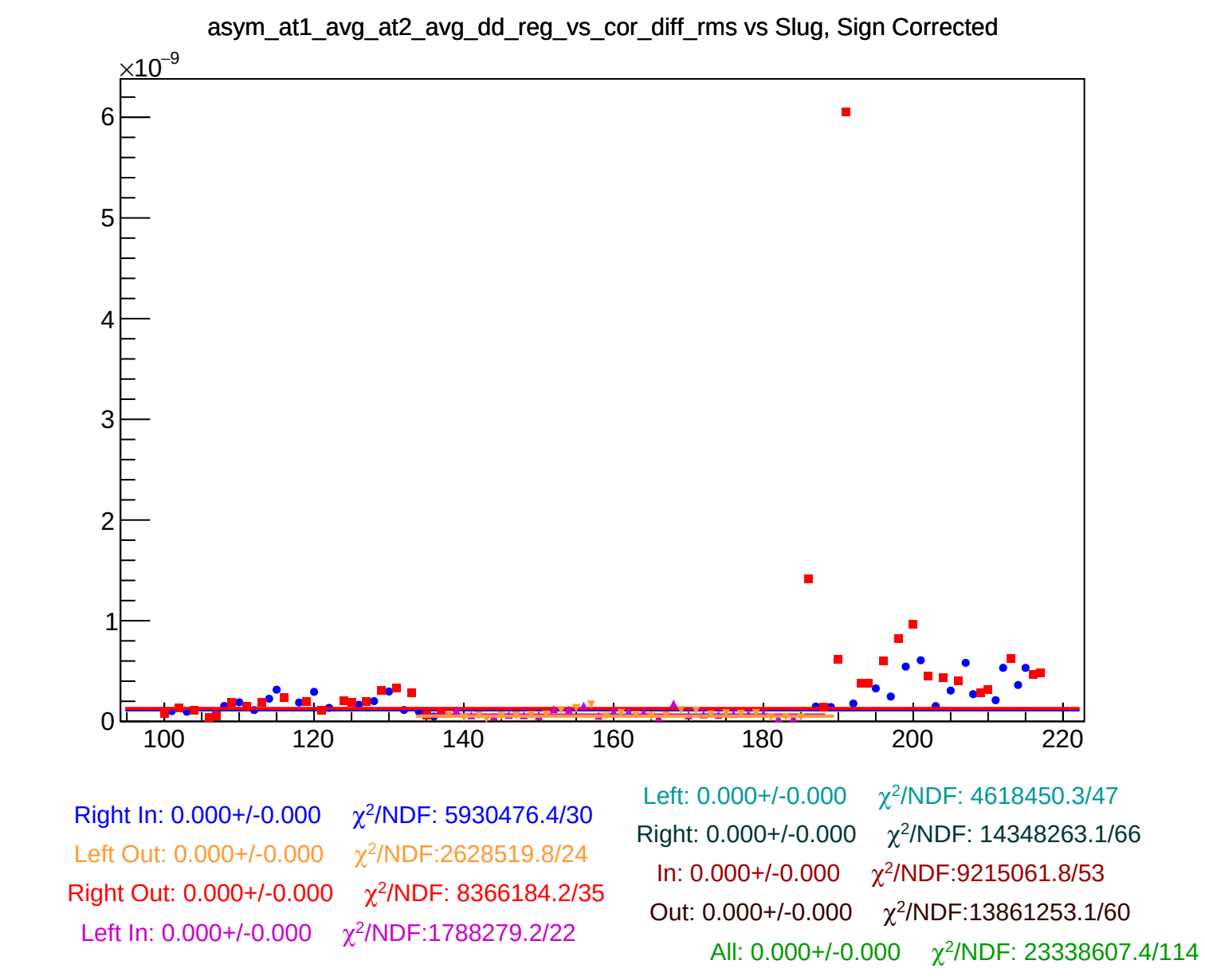
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 81.4/66

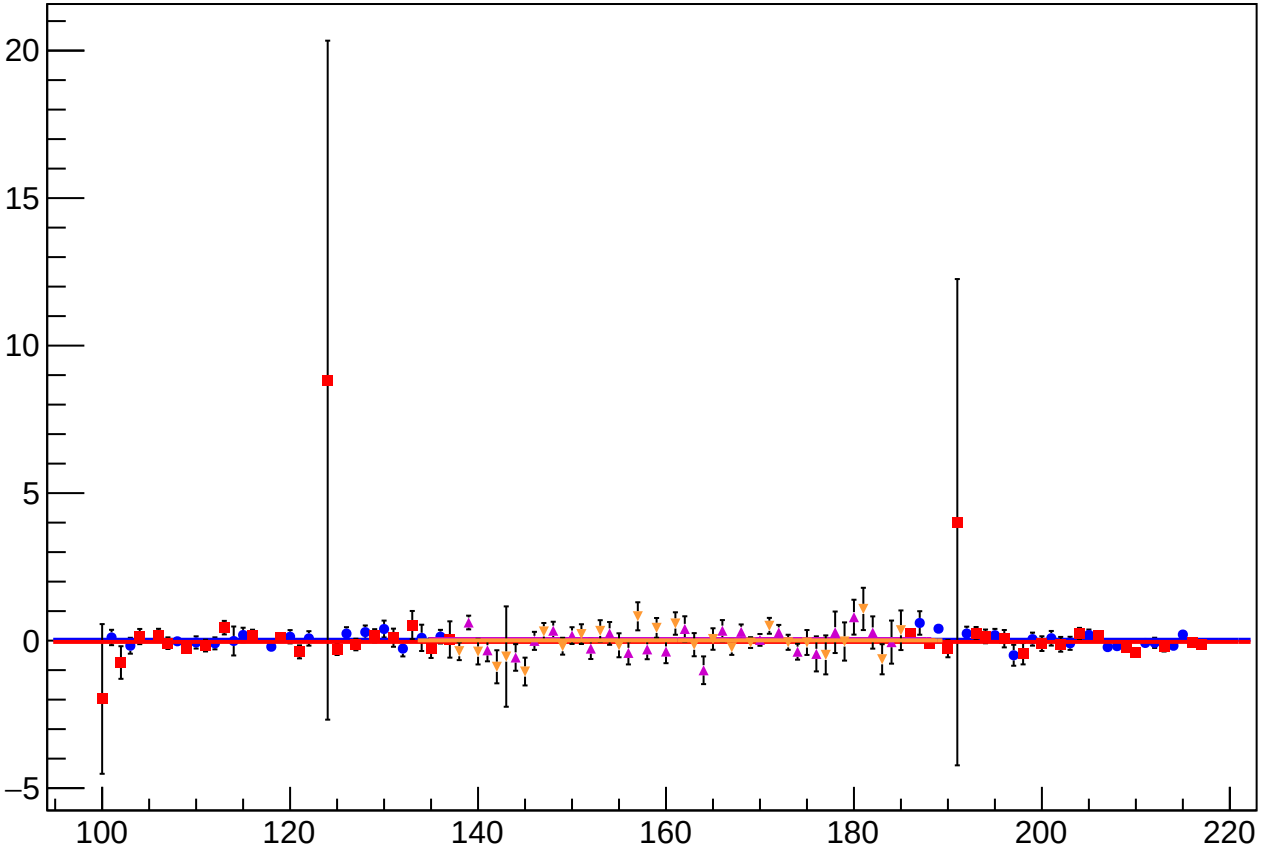
In: 0.000+/-0.000 χ^2/NDF:58.2/53

Out: -0.000+/-0.000 χ^2/NDF:71.1/60

All: 0.000+/-0.000 χ^2/NDF: 129.5/114


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0
1
2
3
4
5
6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5930476.4/30
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8366184.2/35
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: 14348263.1/66
In: 0.000+/-0.000 χ²/NDF:9215061.8/53
Out: 0.000+/-0.000 χ²/NDF:13861253.1/60
All: 0.000+/-0.000 χ²/NDF: 23338607.4/114

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

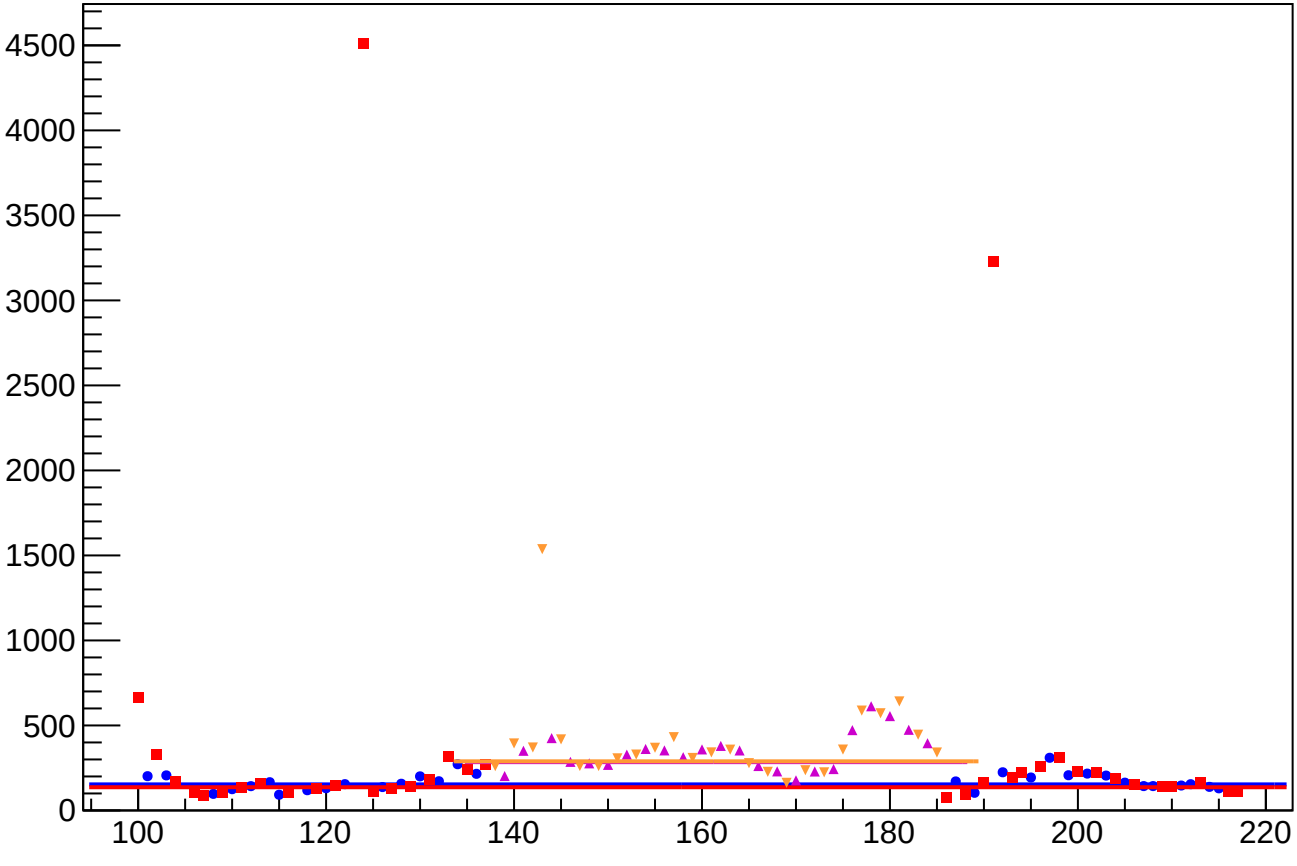
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

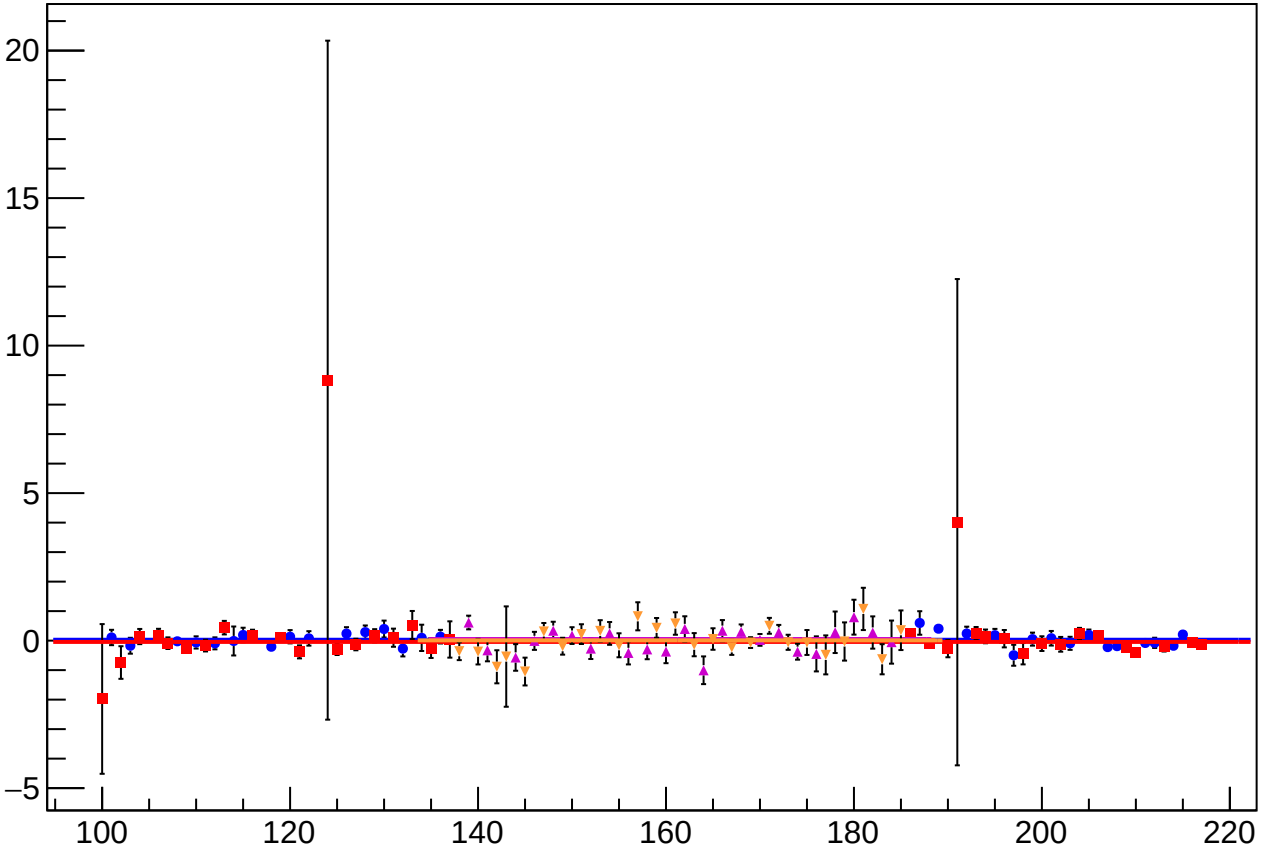
Right: 144.057+/-0.017 χ^2/NDF: 7469460.3/66

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

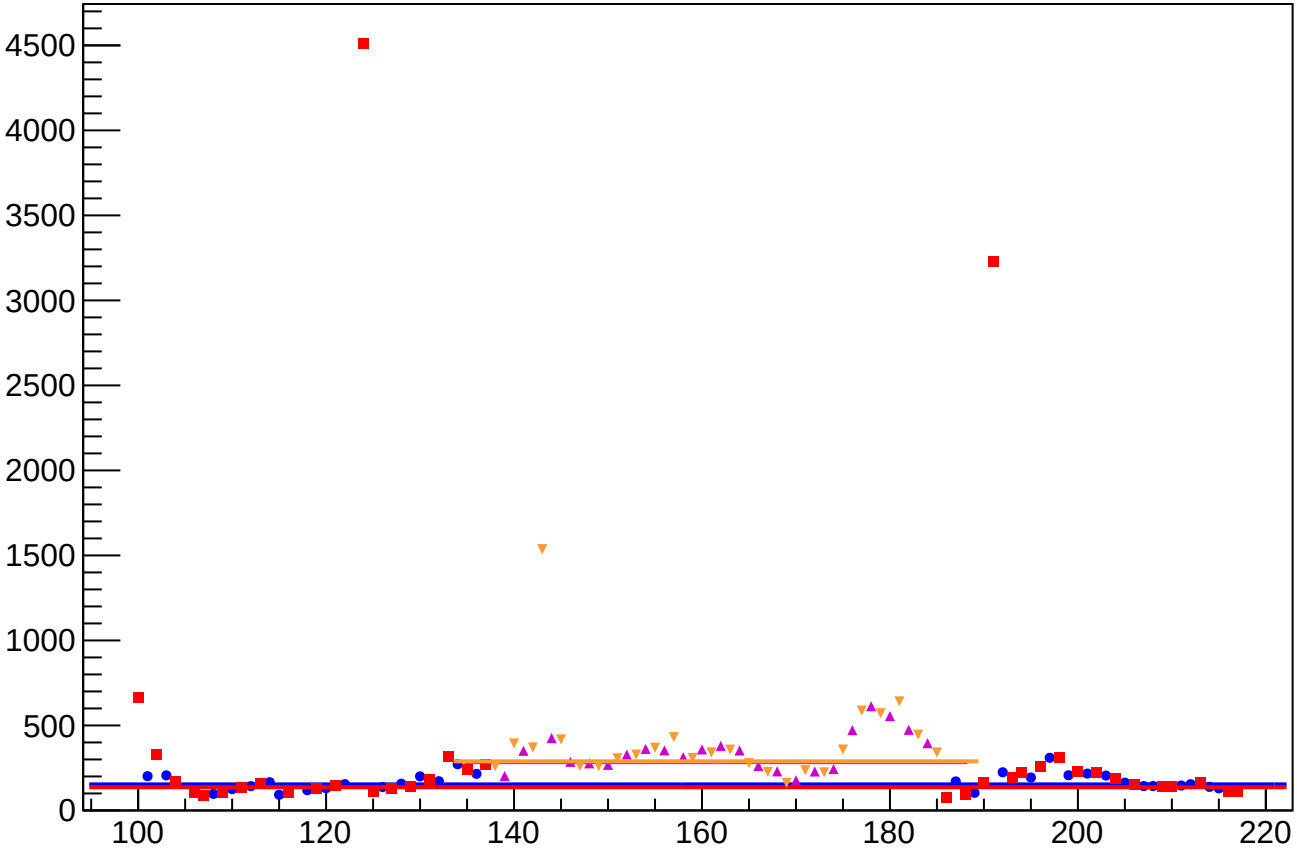
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

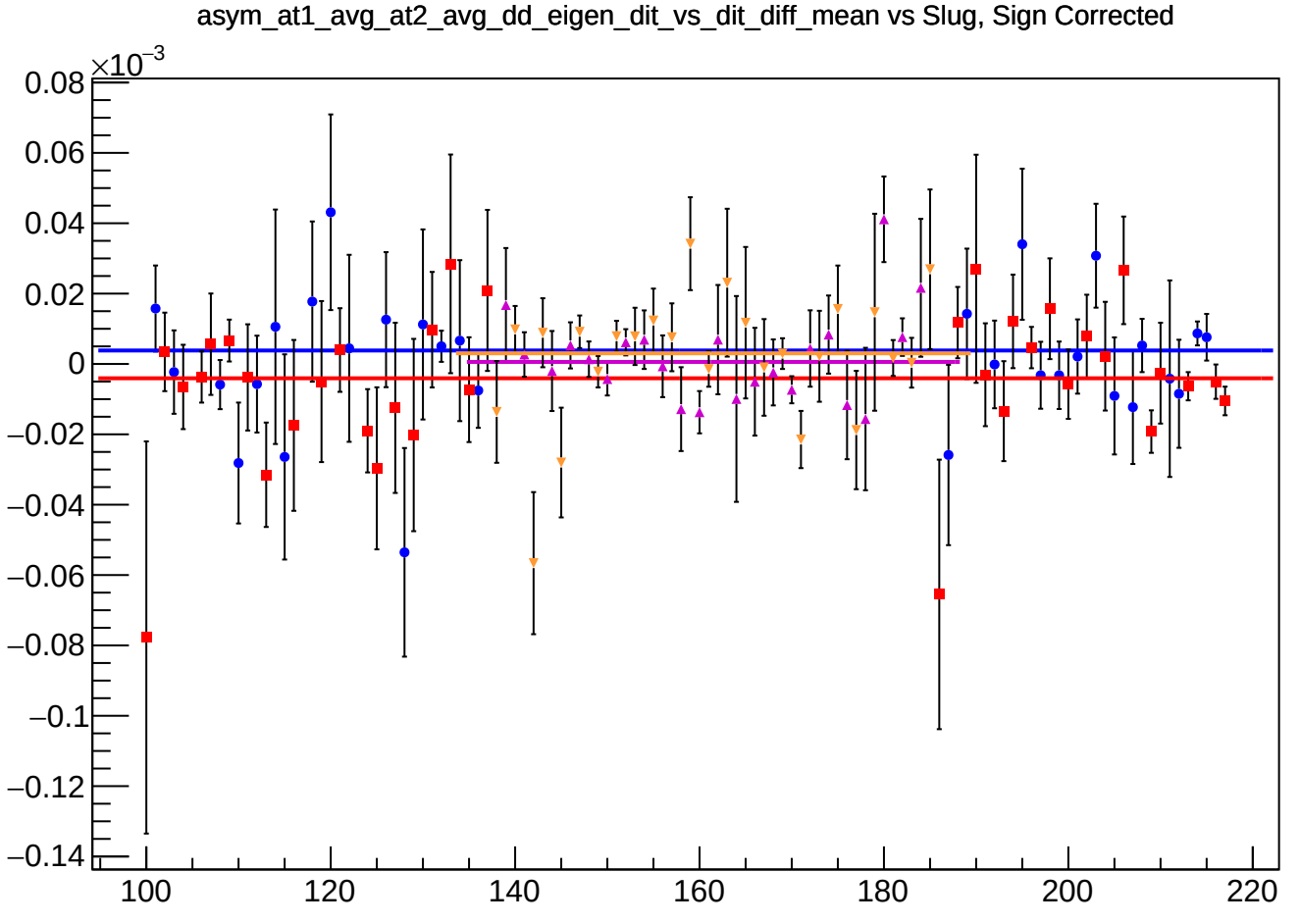
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 144.057+/-0.017 χ^2/NDF: 7469460.3/66

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11



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: 42.8/35

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

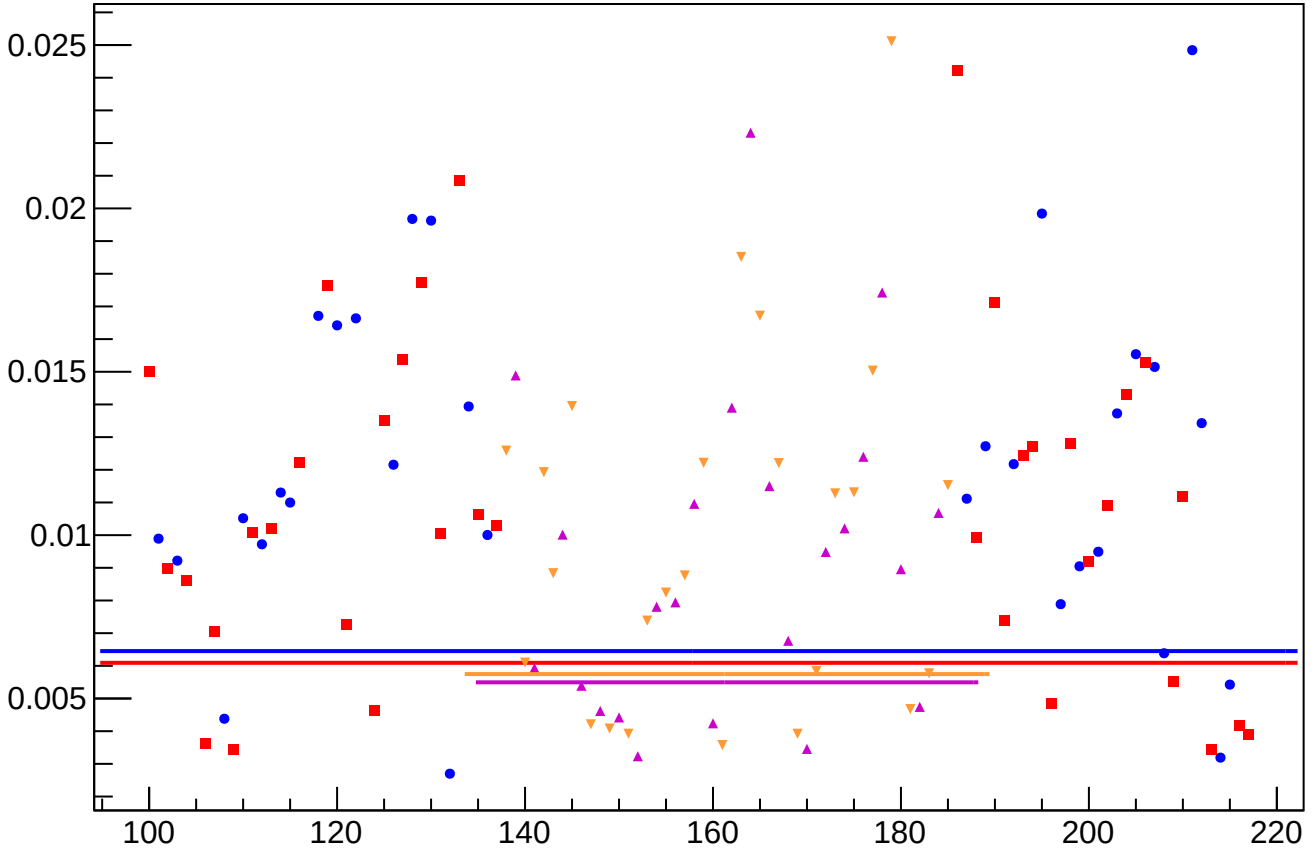
Right: -0.000+/-0.000 χ^2/NDF: 82.3/66

In: 0.000+/-0.000 χ^2/NDF:63.8/53

Out: -0.000+/-0.000 χ^2/NDF:95.4/60

All: 0.000+/-0.000 χ^2/NDF: 161.3/114

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: 9846323.4/35

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

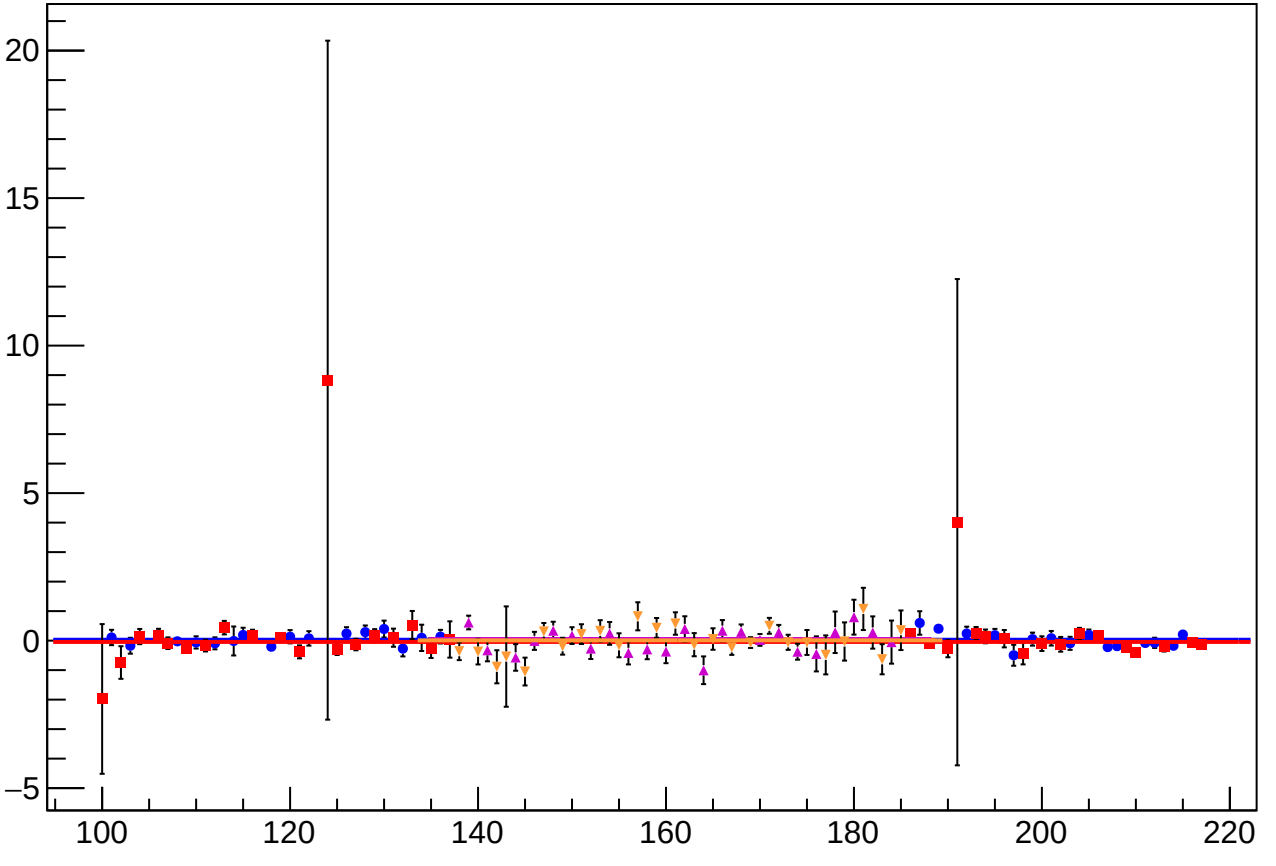
Right: 0.006+/-0.000 χ^2/NDF: 21210887.8/66

In: 0.006+/-0.000 χ^2/NDF:18585008.7/53

Out: 0.006+/-0.000 χ^2/NDF:18023890.7/60

All: 0.006+/-0.000 χ^2/NDF: 36609293.3/114

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

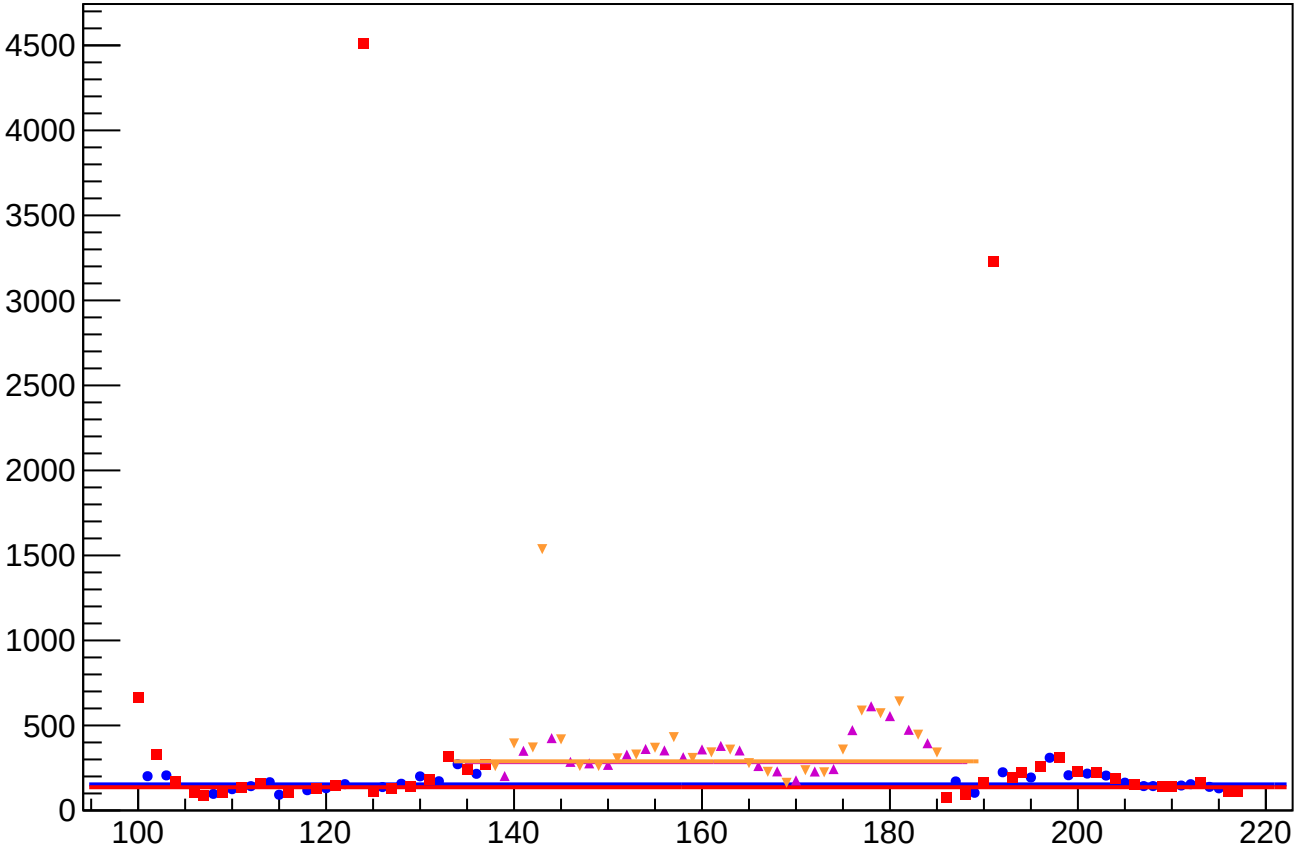
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

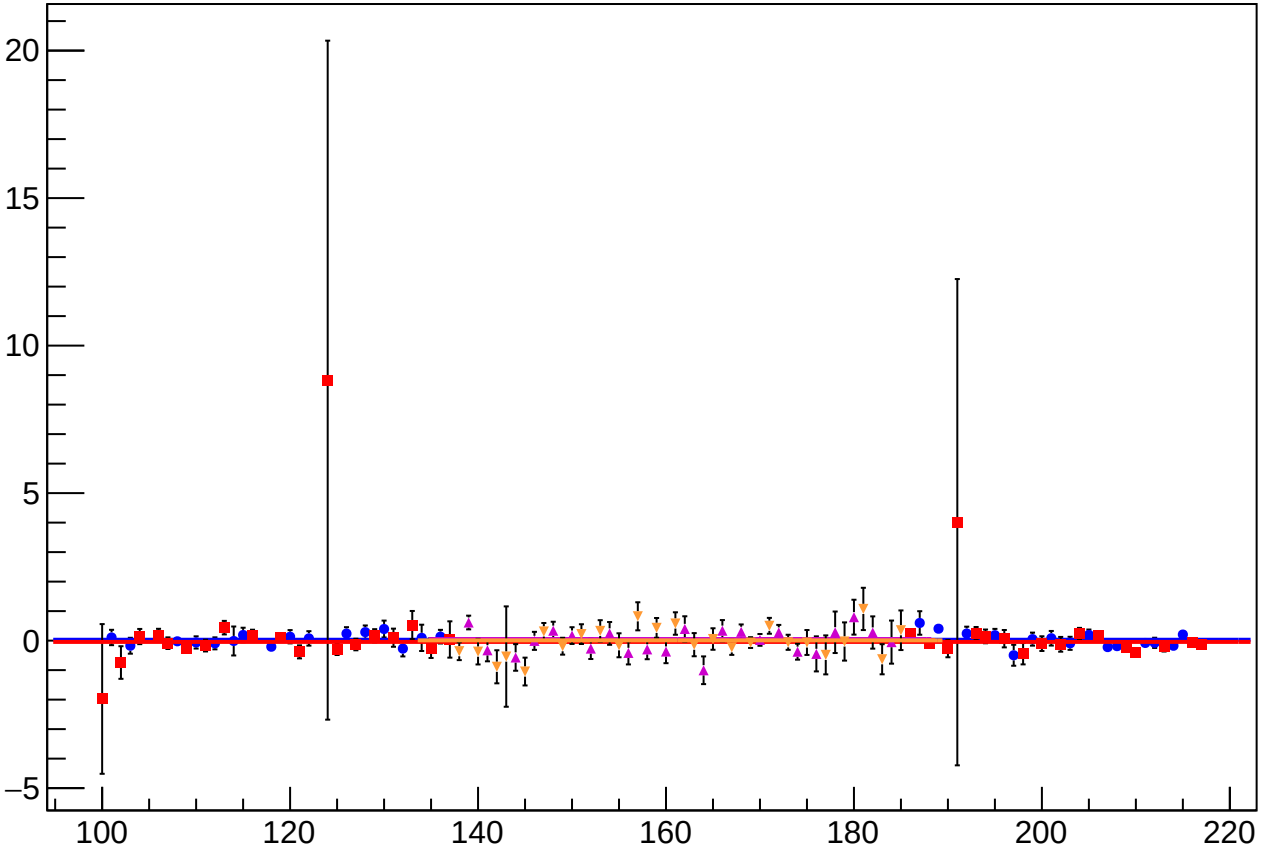
Right: 144.058+/-0.017 χ^2/NDF: 7469255.8/66

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/11

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

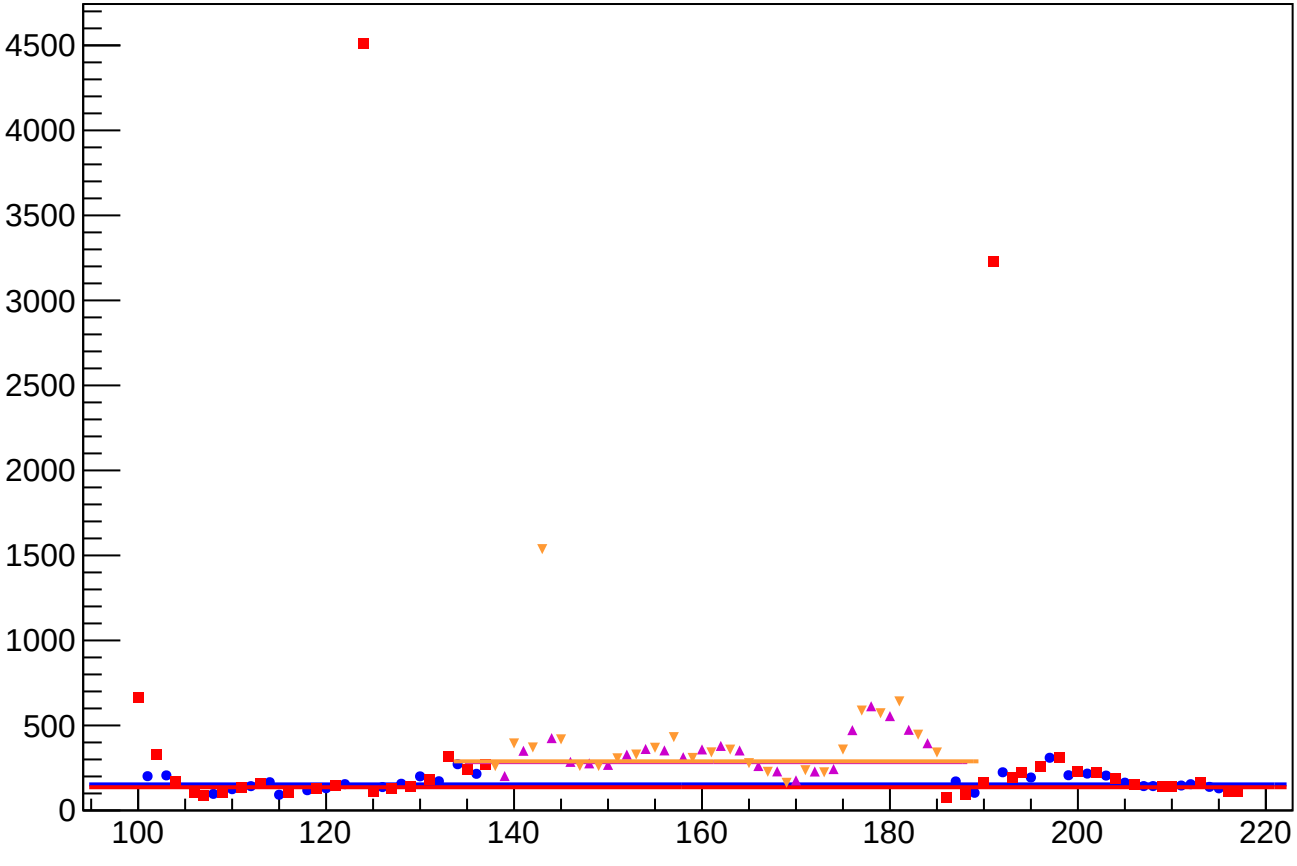
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

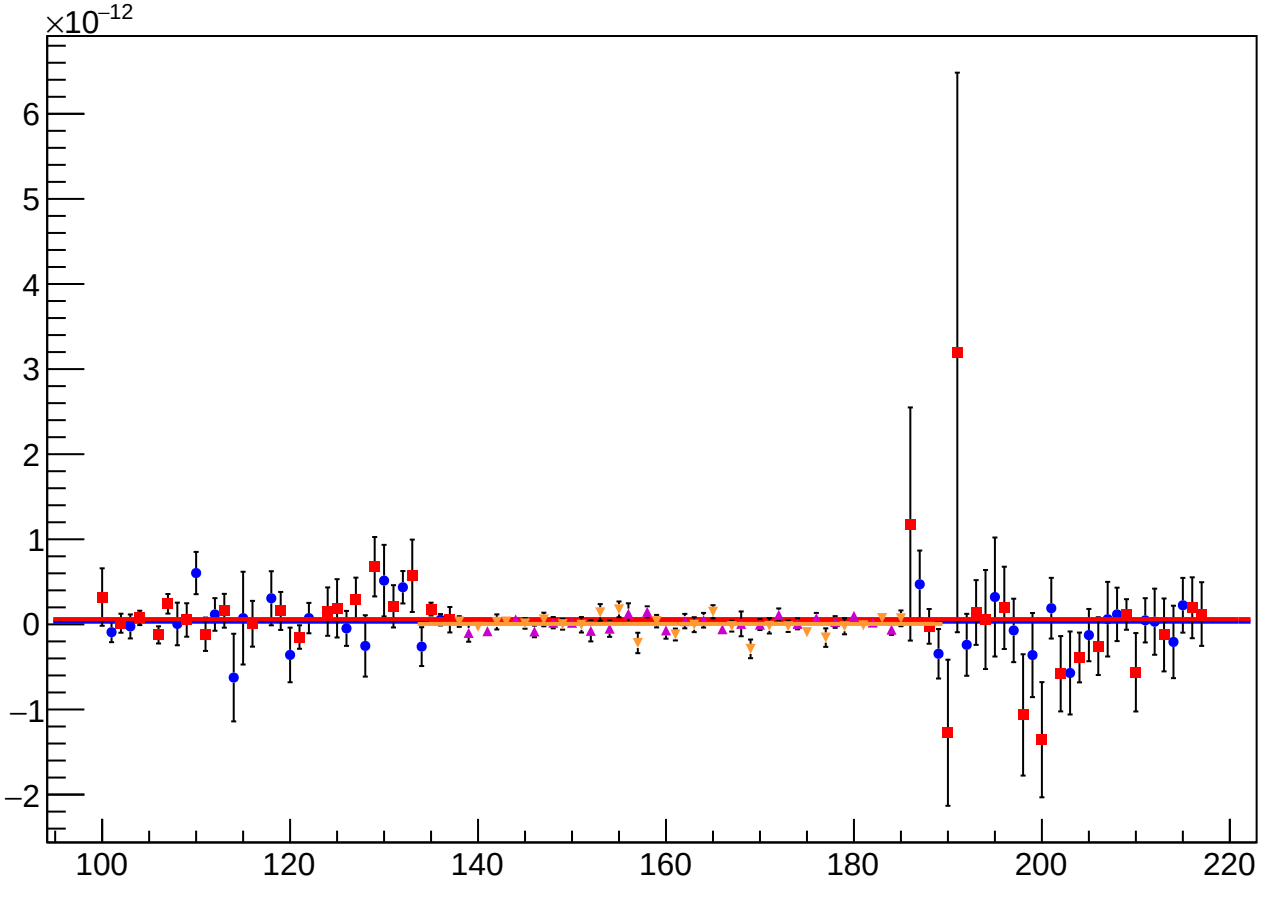
Right: 144.058+/-0.017 χ^2/NDF: 7469255.8/66

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/11

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: 37.5/35

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

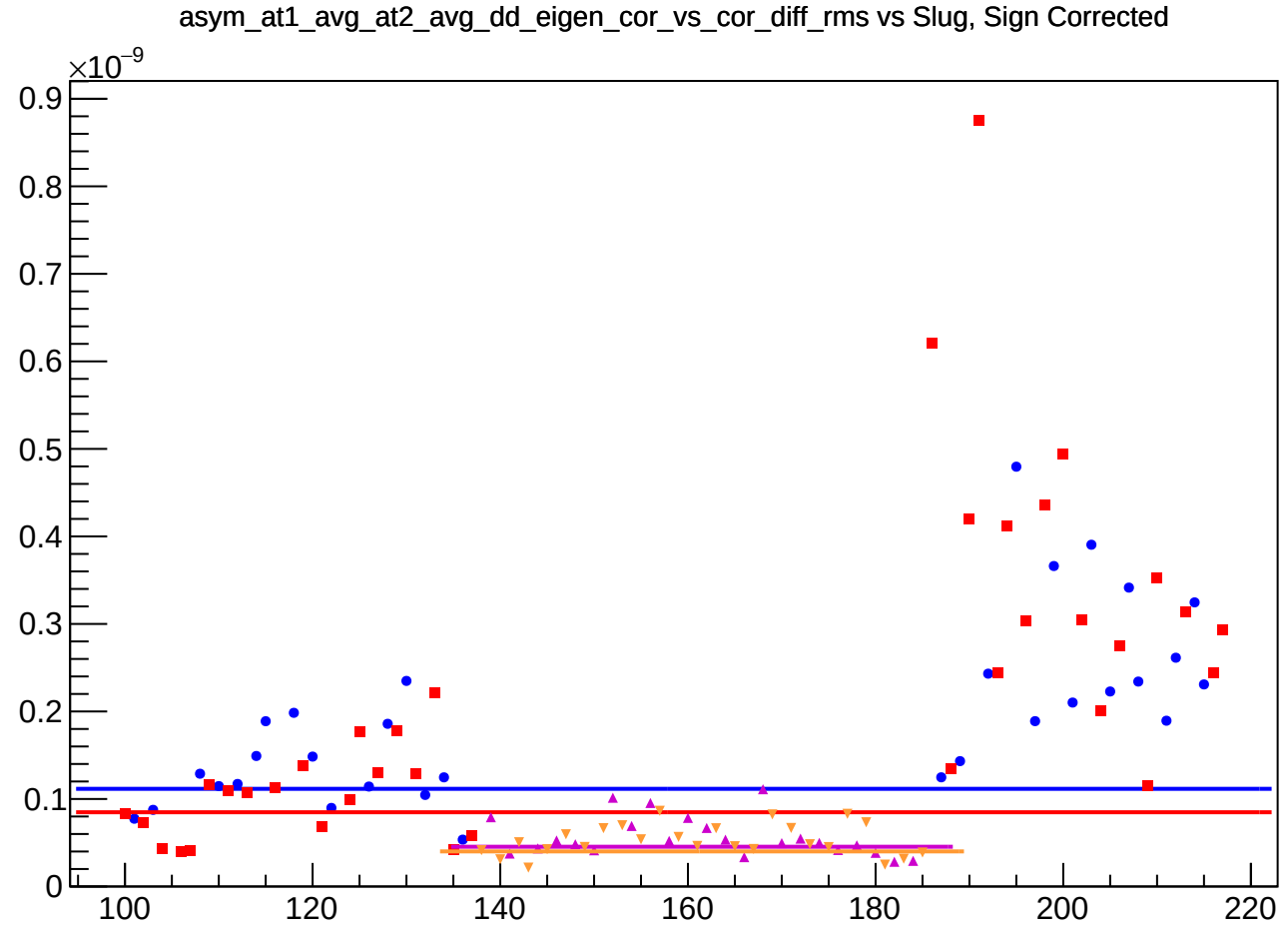
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 64.0/66

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:74.4/60

All: 0.000+/-0.000 χ^2/NDF: 123.9/114



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: 10027189.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

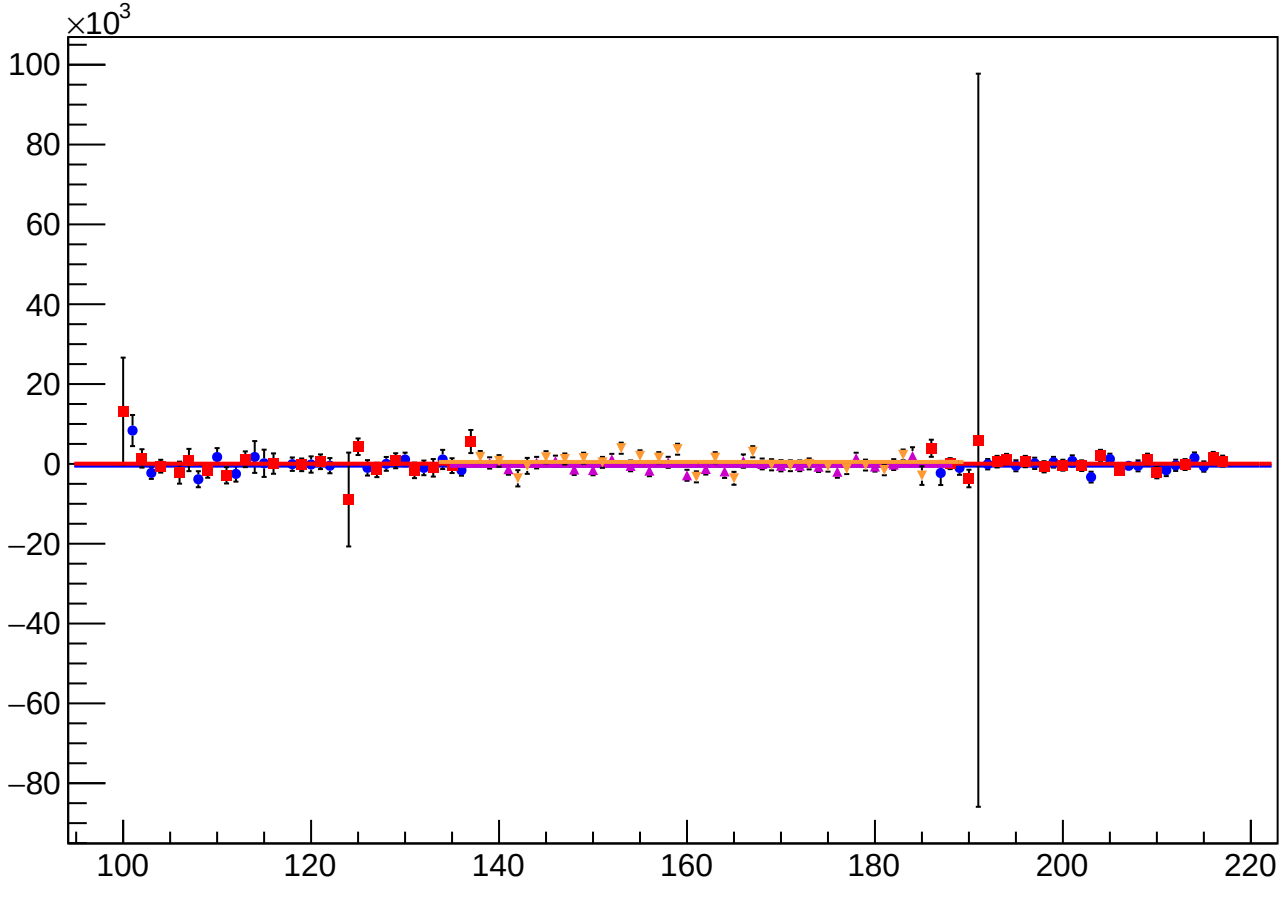
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17491396.2/66

In: 0.000+/-0.000 χ^2/NDF:14838485.8/53

Out: 0.000+/-0.000 χ^2/NDF:17053044.0/60

All: 0.000+/-0.000 χ^2/NDF: 32203623.8/114



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: 49.443+/-288.010 χ^2/NDF: 32.5/35

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

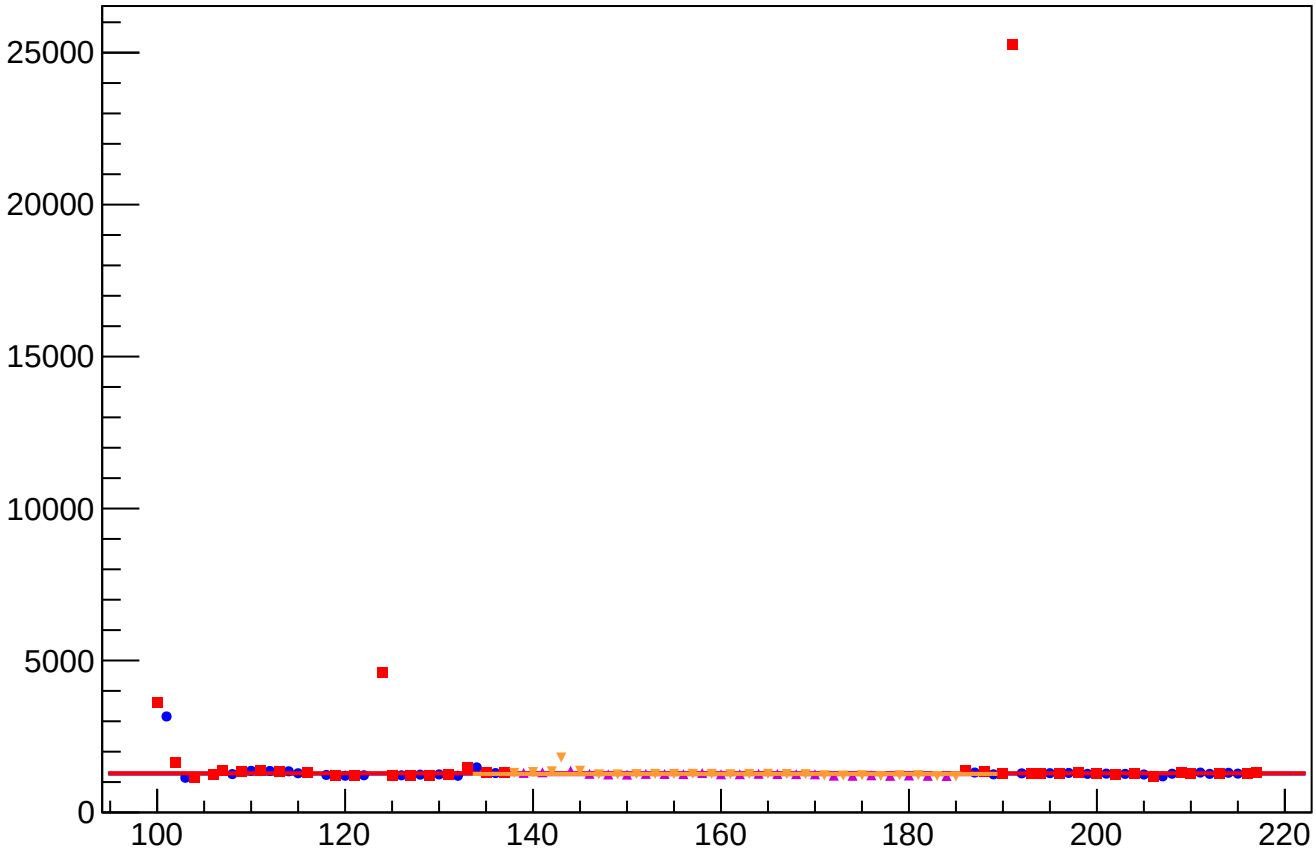
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -190.187+/-205.477 χ^2/NDF: 58.3/66

In: -462.664+/-207.538 χ^2/NDF:38.9/53

Out: 270.380+/-203.825 χ^2/NDF:80.5/60

All: -89.526+/-145.421 χ^2/NDF: 125.8/114



Right In: 1278.671+/-0.207 χ^2/NDF: 530240.2/30

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

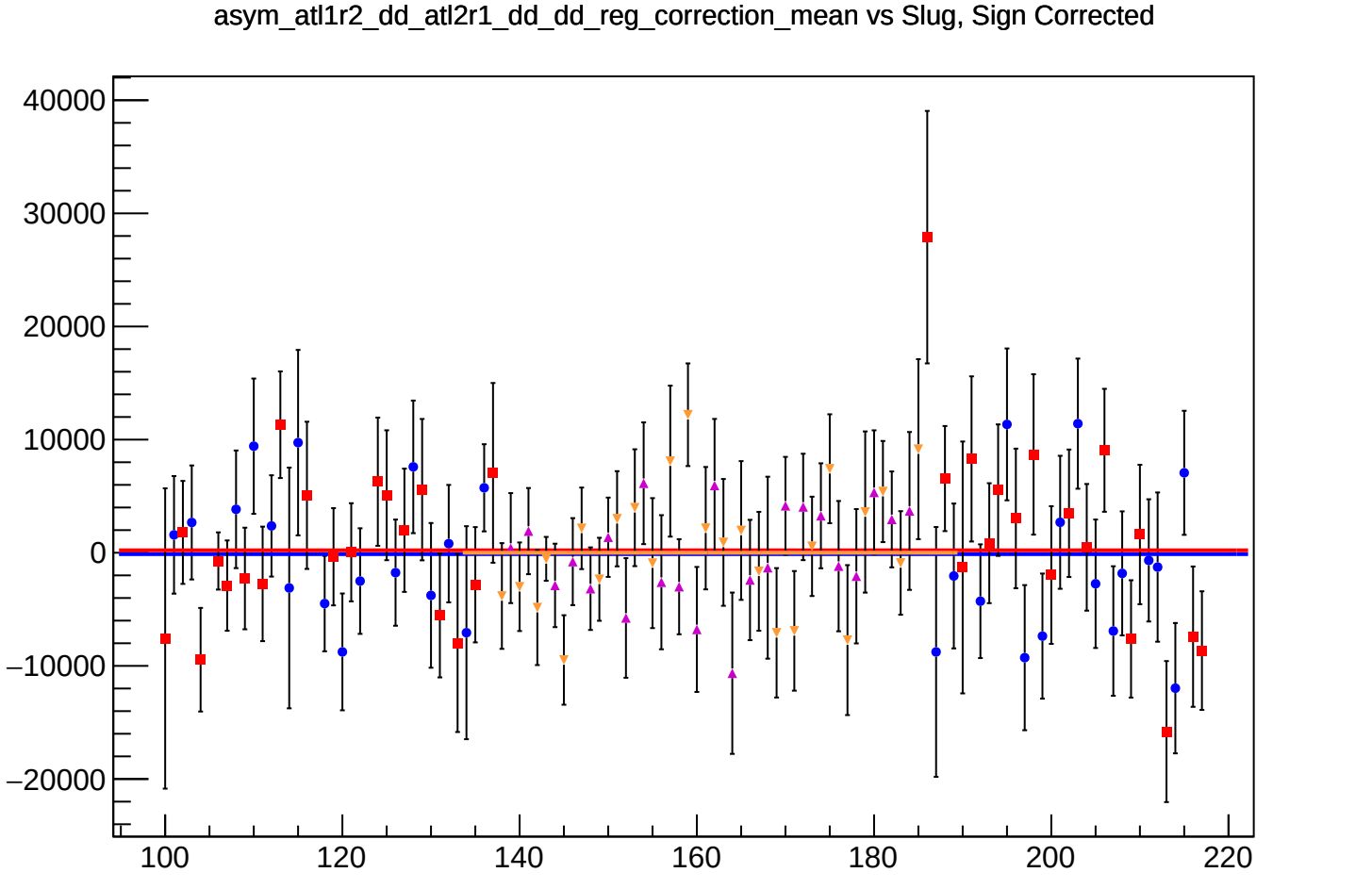
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

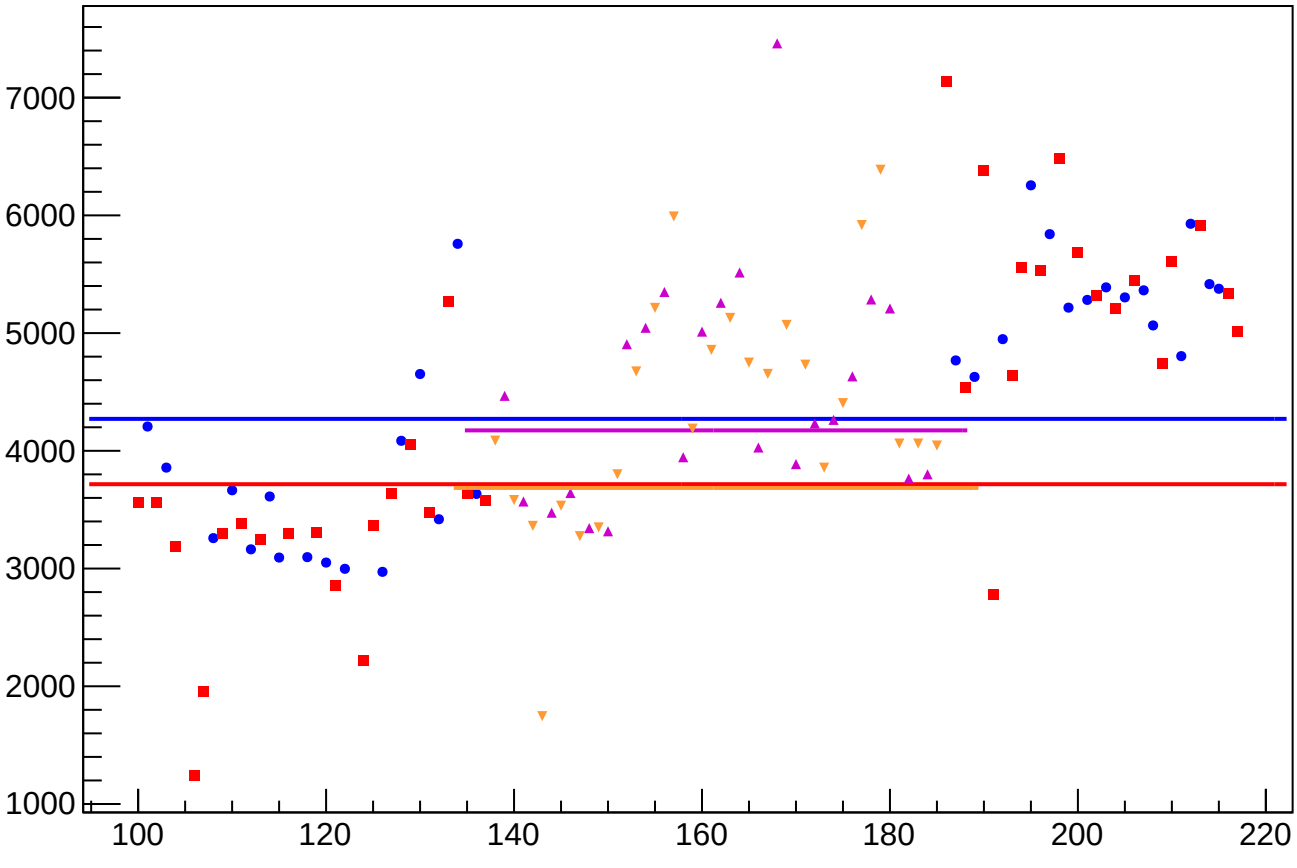
Right: 1284.007+/-0.145 χ^2/NDF: 1014865.1/66

In: 1268.130+/-0.147 χ^2/NDF:572234.4/53

Out: 1278.086+/-0.144 χ^2/NDF:676795.6/60

All: 1273.200+/-0.103 χ^2/NDF: 1251373.5/11


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -123.063+/-1002.318 χ²/NDF: 34.6/30
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 219.445+/-884.354 χ²/NDF: 46.6/35
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 69.523+/-663.137 χ²/NDF: 81.3/66
In: -45.196+/-706.269 χ²/NDF:48.7/53
Out: 109.686+/-626.086 χ²/NDF:75.7/60
All: 41.532+/-468.505 χ²/NDF: 124.4/114



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: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

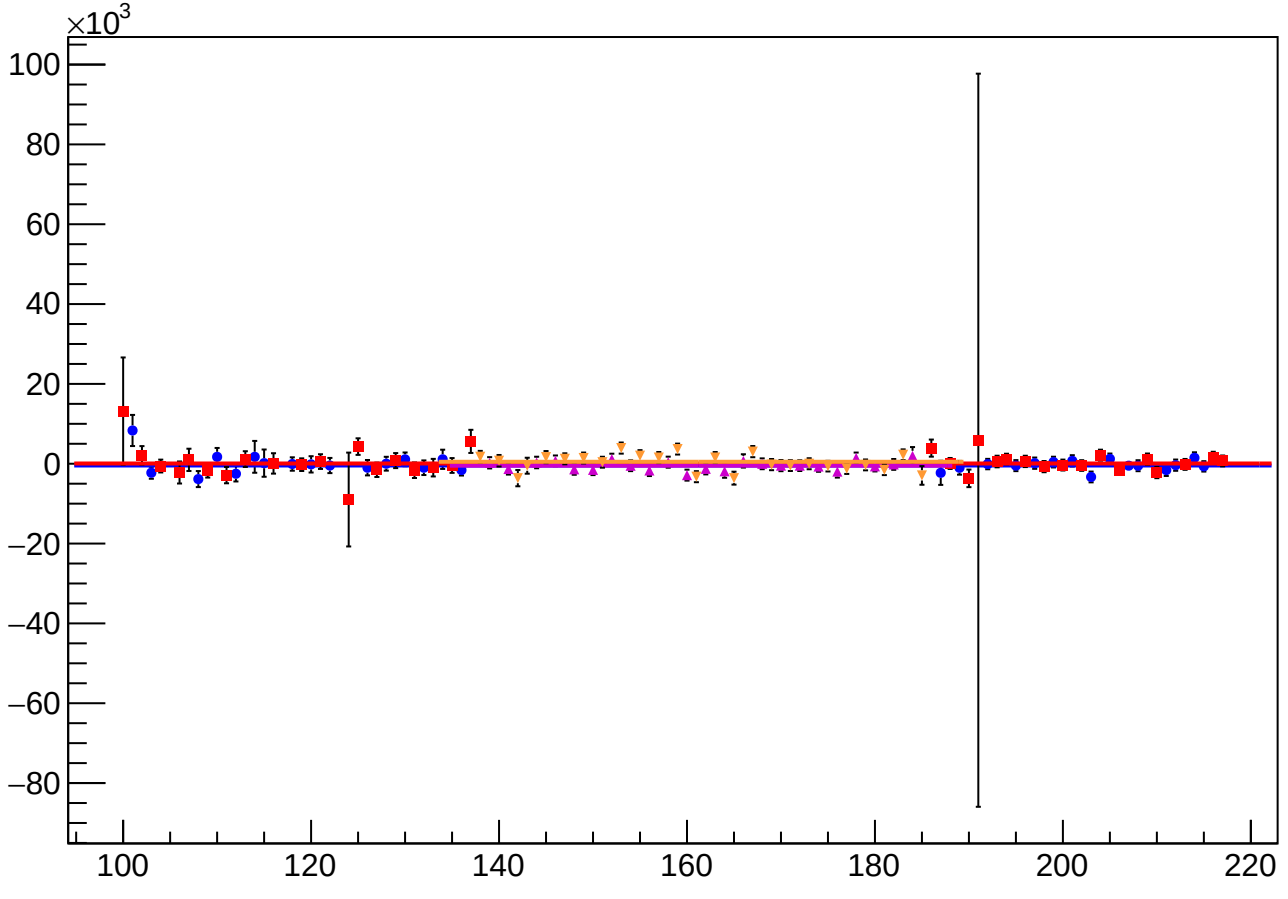
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3959.376+/-0.469 χ^2/NDF: 7734764.4/66

In: 4222.153+/-0.499 χ^2/NDF:3323855.6/53

Out: 3700.647+/-0.443 χ^2/NDF:9045633.0/60

All: 3930.129+/-0.331 χ^2/NDF: 12980106.0/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

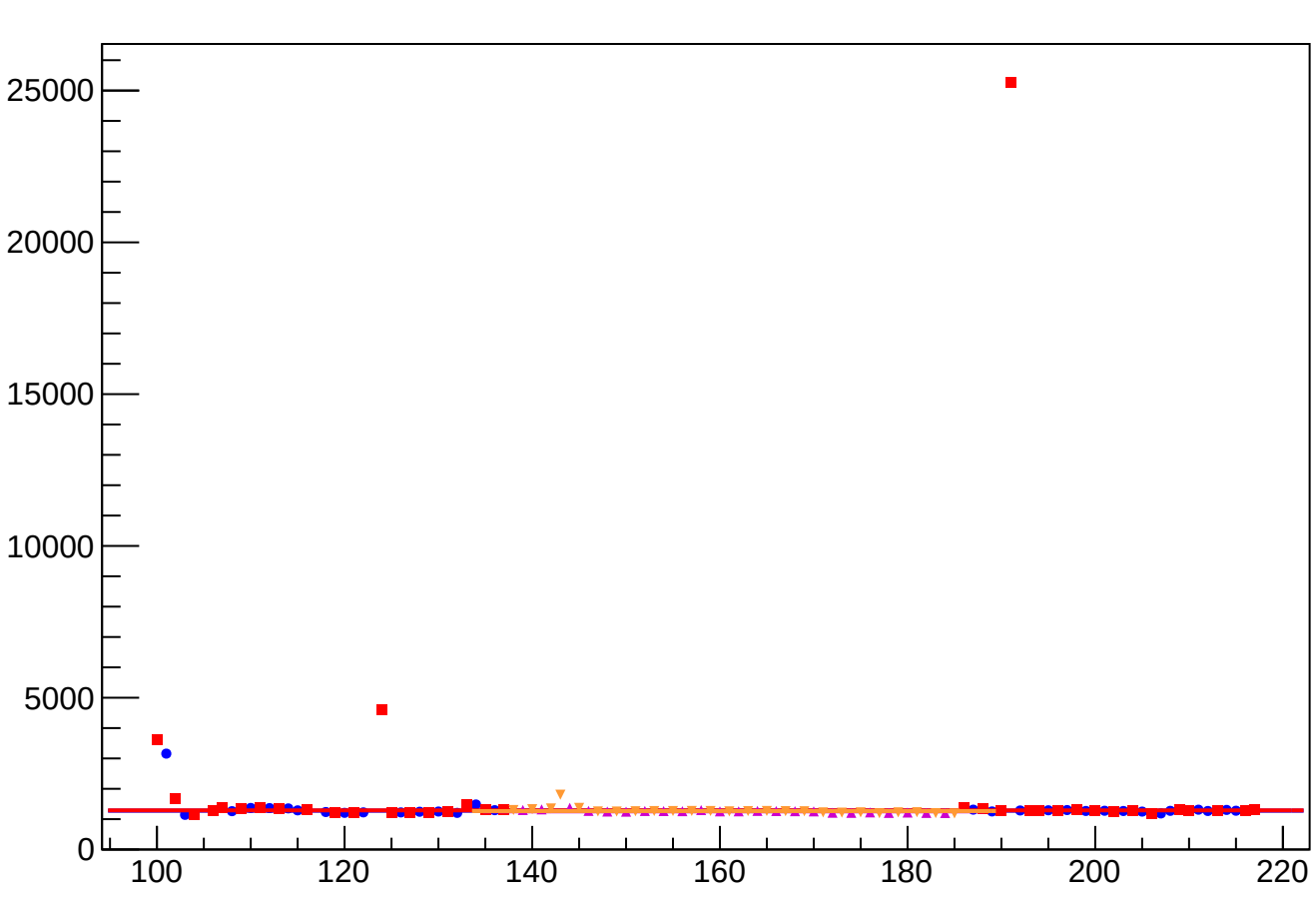
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -185.134+/-205.502 χ^2/NDF: 58.8/66

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -86.955+/-145.430 χ^2/NDF: 126.2/114



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

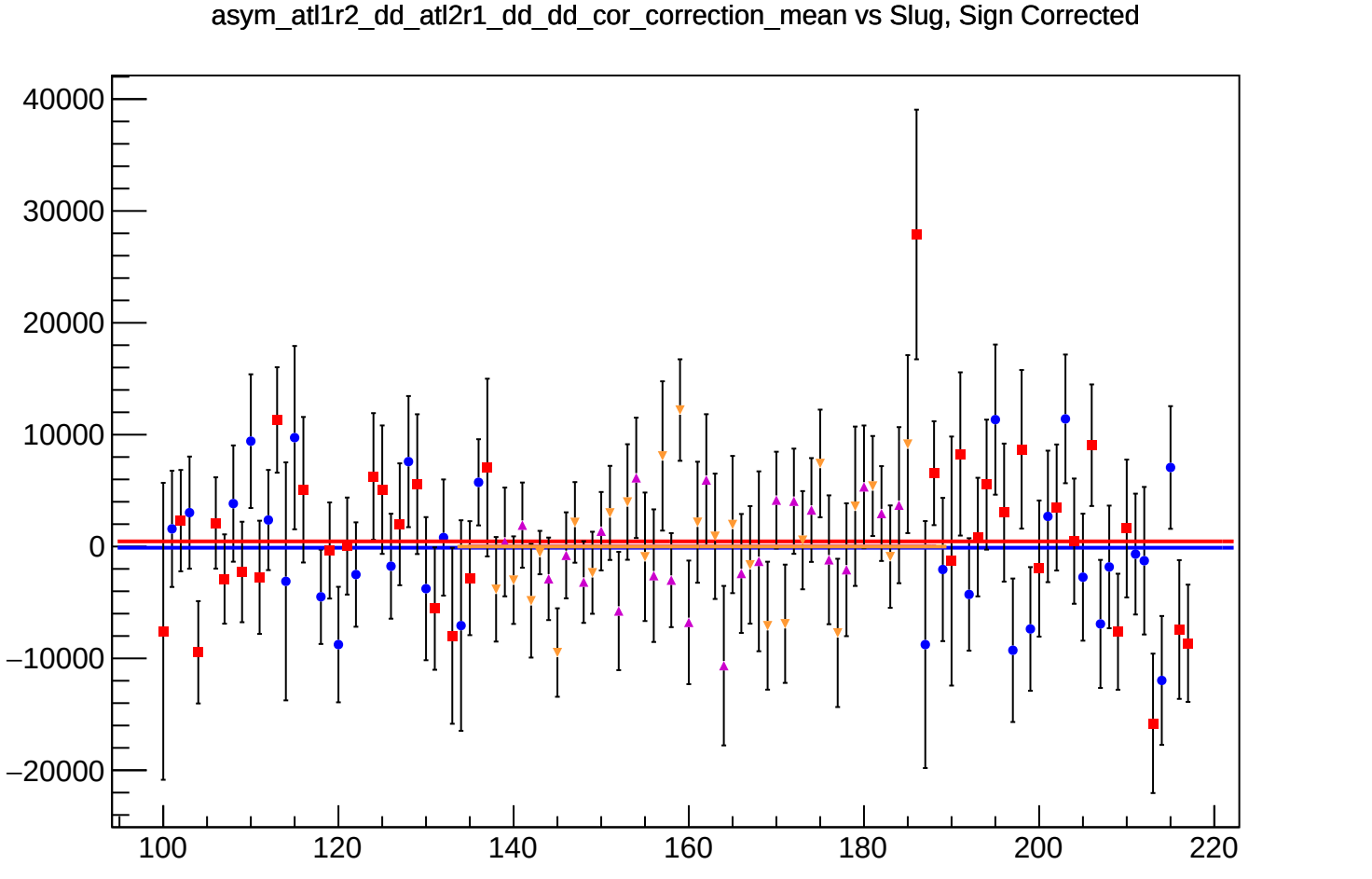
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1284.361+/-0.145 χ^2/NDF: 1021923.6/66

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11



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: 461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

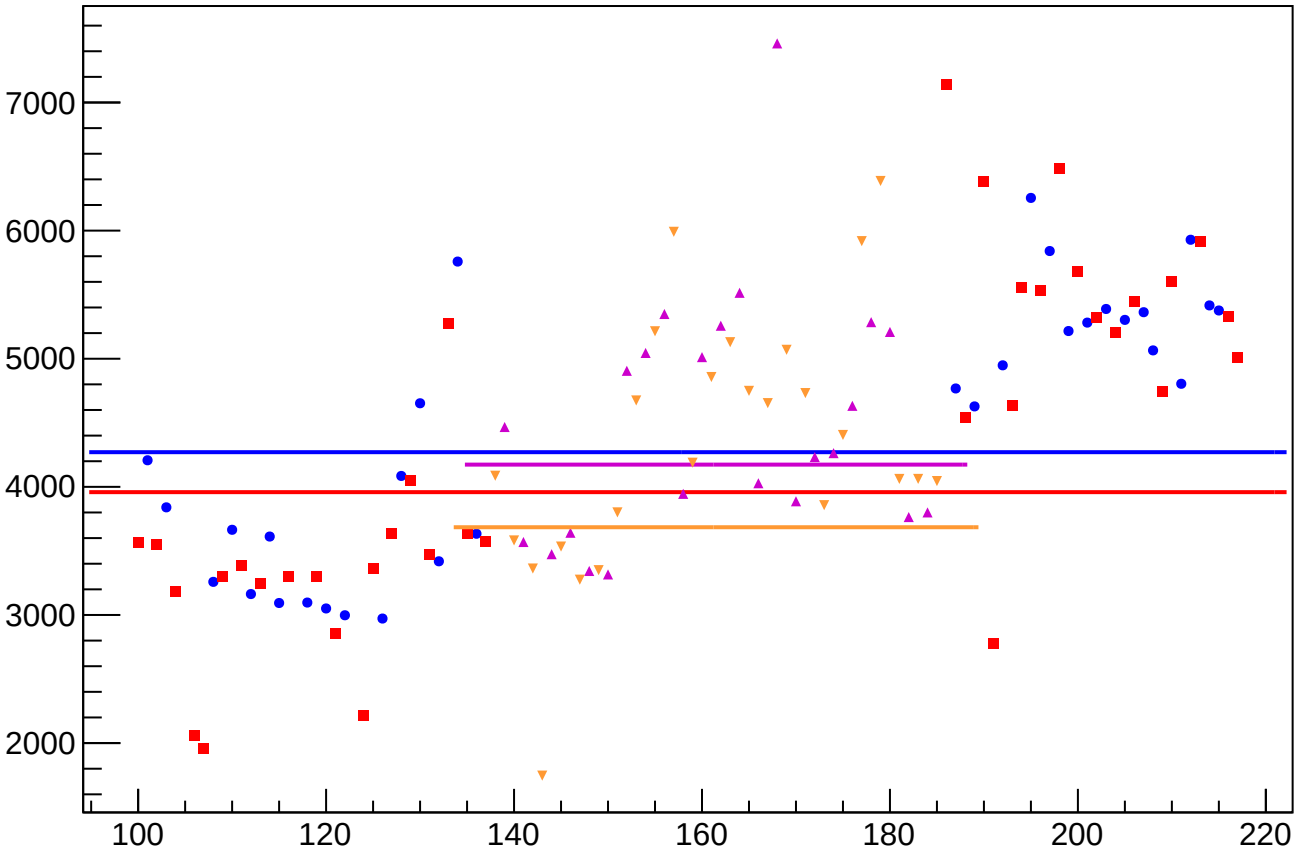
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 201.197+/-677.486 χ^2/NDF: 81.6/66

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 222.030+/-638.169 χ^2/NDF:75.9/60

All: 105.268+/-473.483 χ^2/NDF: 124.7/114



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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

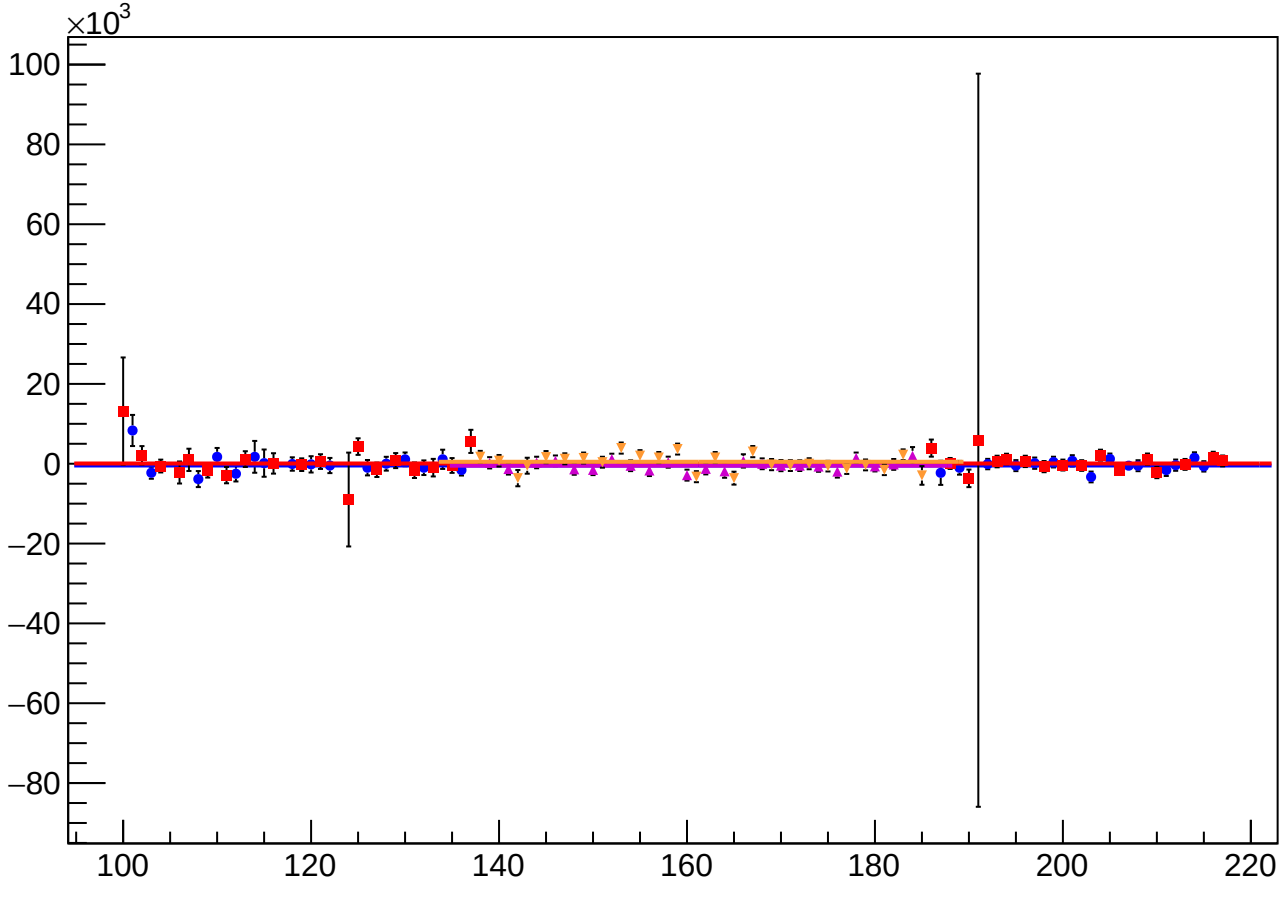
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4101.223+/-0.479 χ^2/NDF: 5772846.2/66

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1



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: 59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

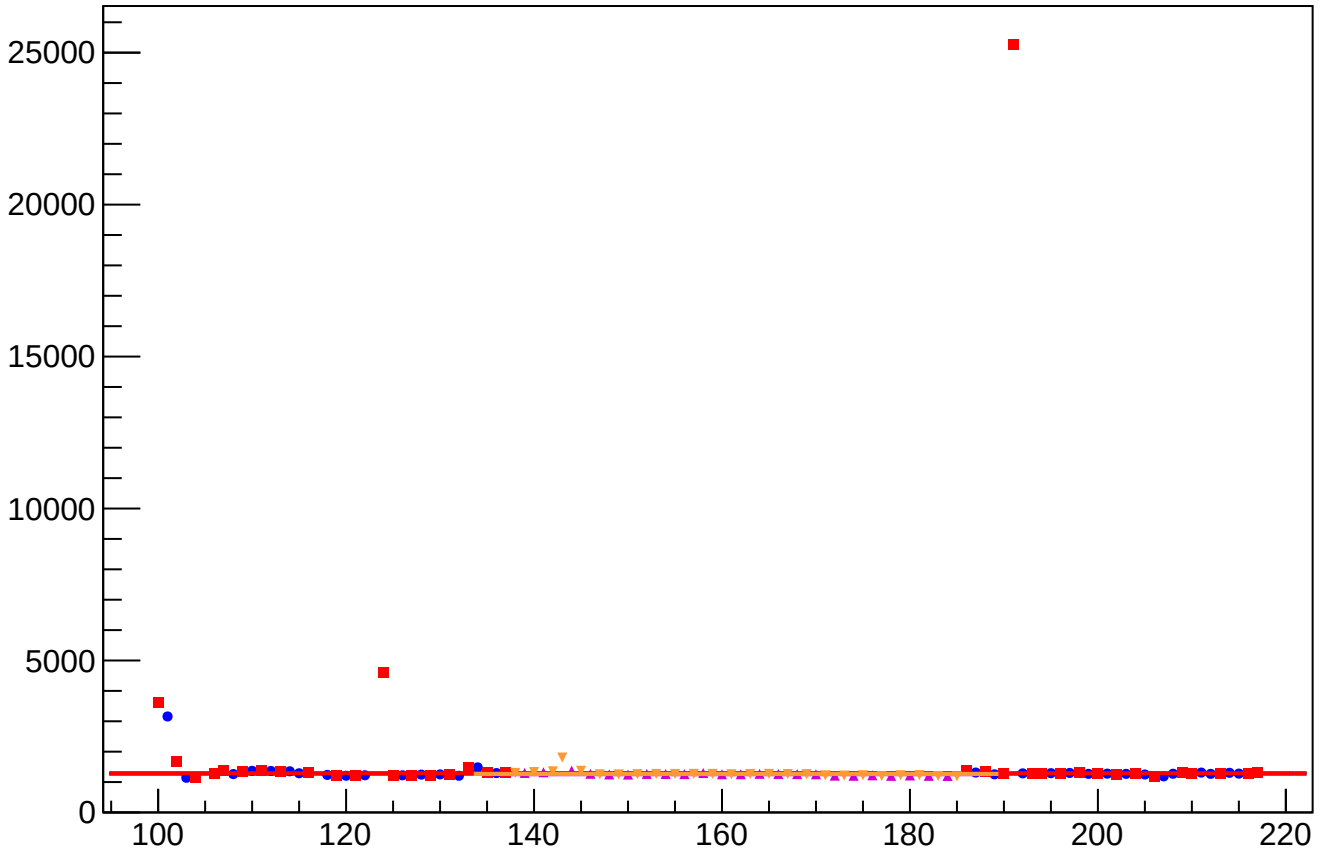
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -185.134+/-205.502 χ^2/NDF: 58.8/66

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 275.523+/-203.849 χ^2/NDF:80.9/60

All: -86.955+/-145.430 χ^2/NDF: 126.2/114



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: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

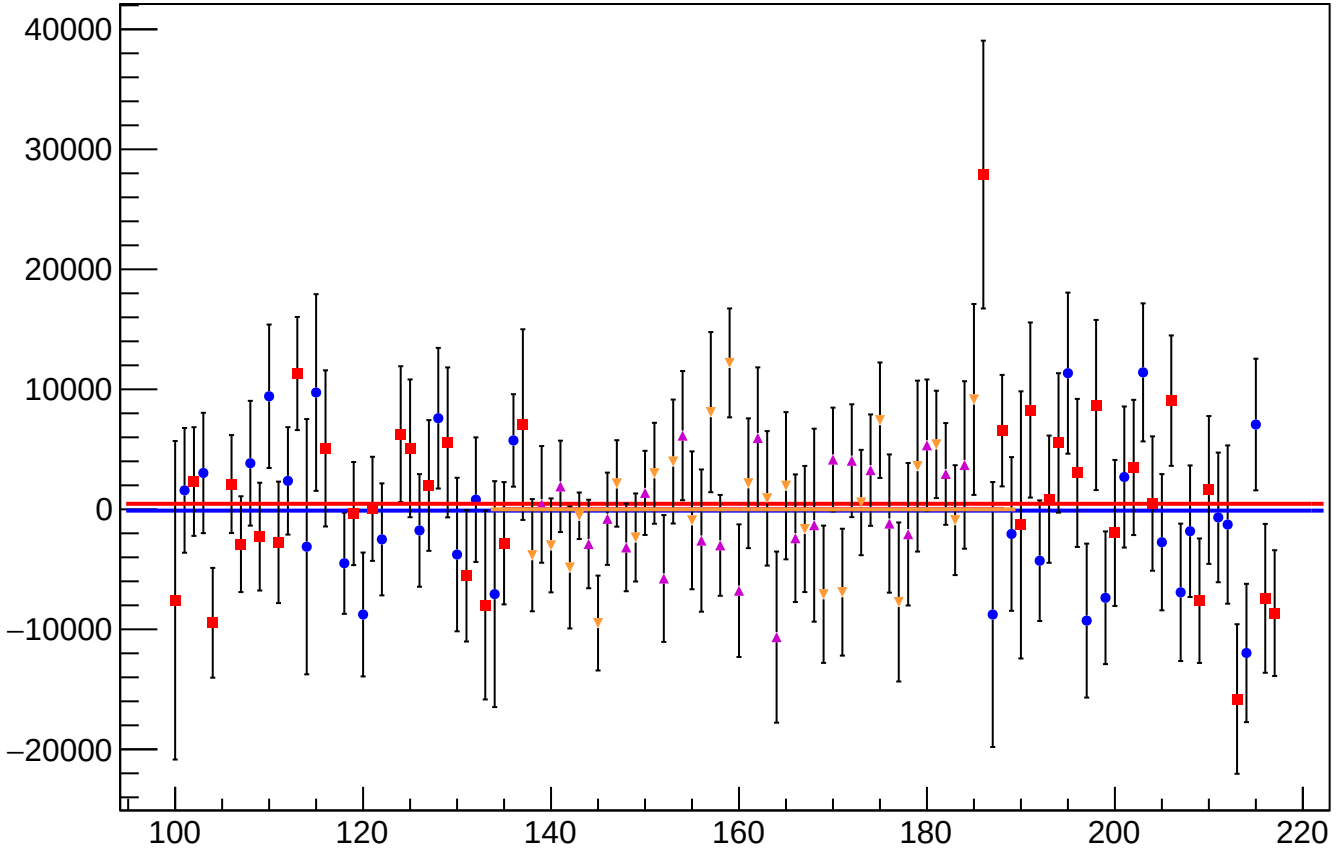
Right: 1284.361+/-0.145 χ^2/NDF: 1021923.6/66

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1278.430+/-0.144 χ^2/NDF:684050.3/60

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11

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: 461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

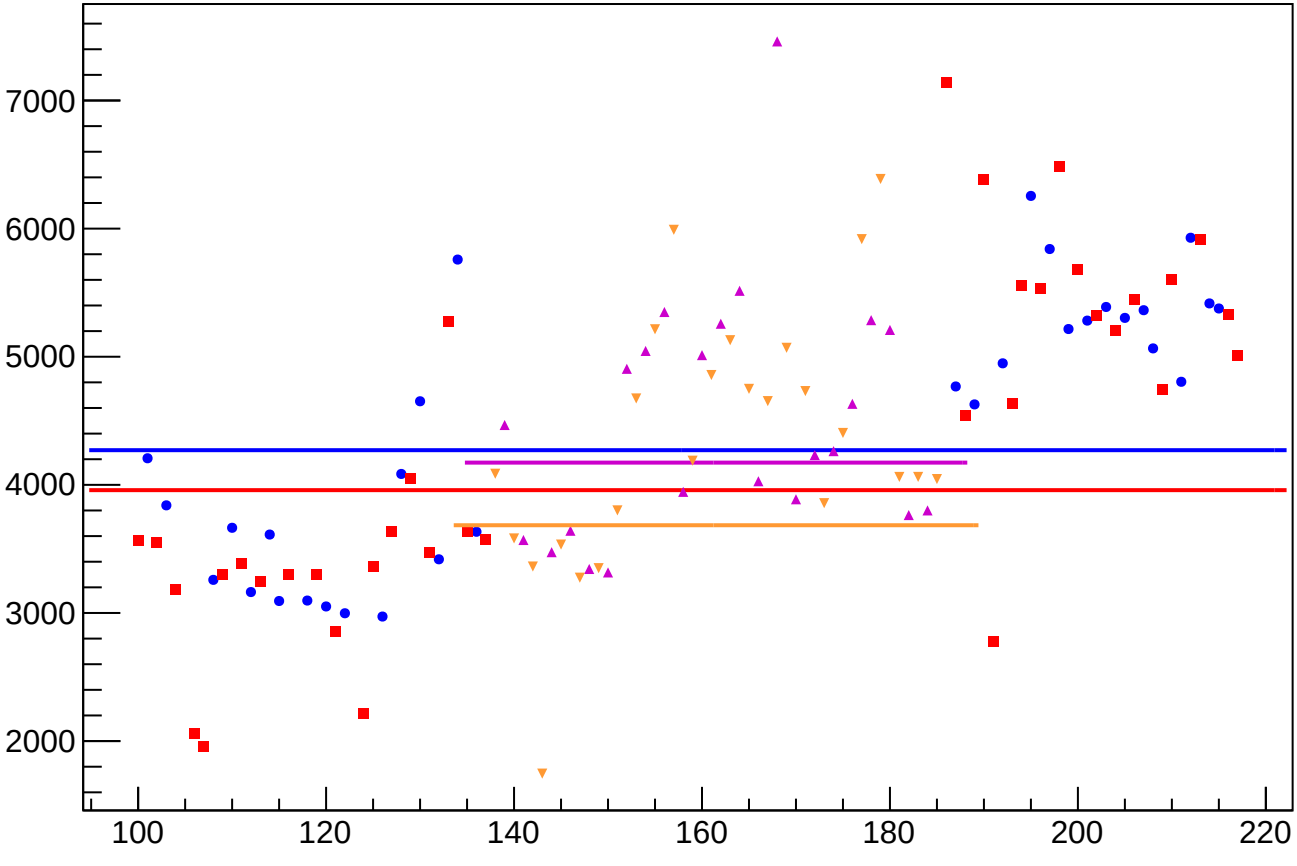
Right: 201.197+/-677.486 χ^2/NDF: 81.6/66

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 222.030+/-638.169 χ^2/NDF:75.9/60

All: 105.268+/-473.483 χ^2/NDF: 124.7/114

asym_atl1r2_dd_atl2r1_dd_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: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

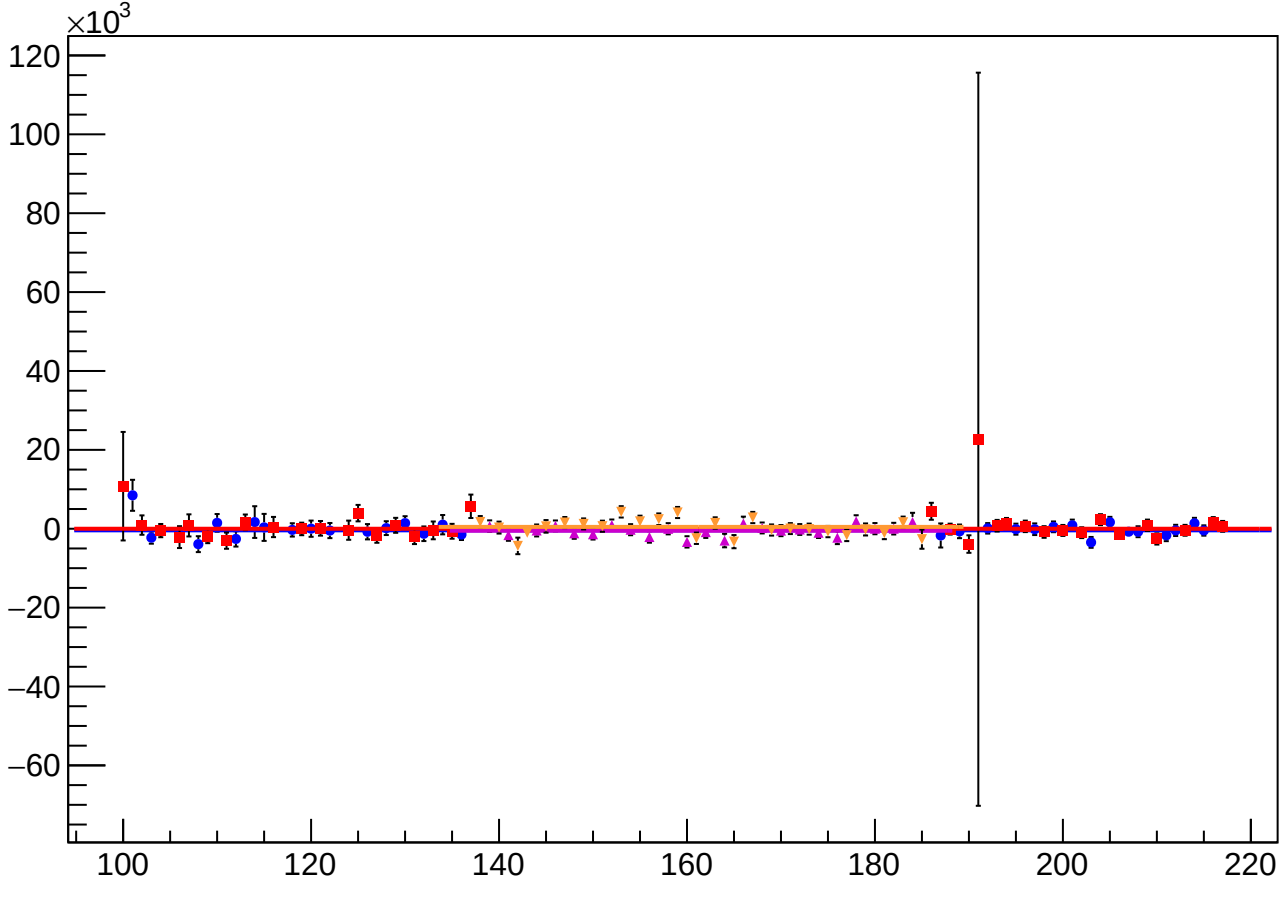
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4101.223+/-0.479 χ^2/NDF: 5772846.2/66

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3816.706+/-0.451 χ^2/NDF:7412674.7/60

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1



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: -2.606+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

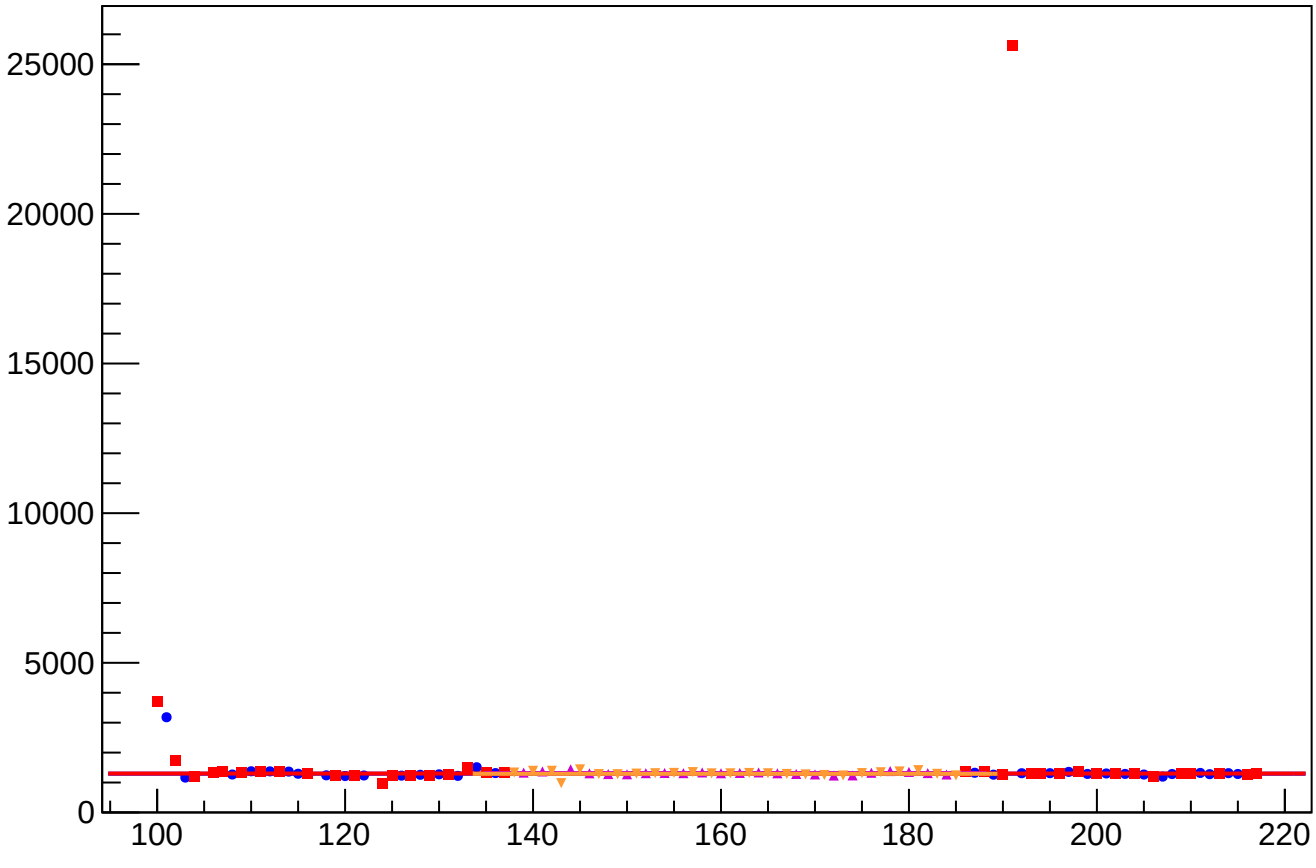
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -198.366+/-207.546 χ^2/NDF: 60.6/66

In: -451.795+/-213.463 χ^2/NDF:43.1/53

Out: 229.383+/-206.616 χ^2/NDF:79.4/60

All: -100.106+/-148.461 χ^2/NDF: 127.8/114



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.2/30

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

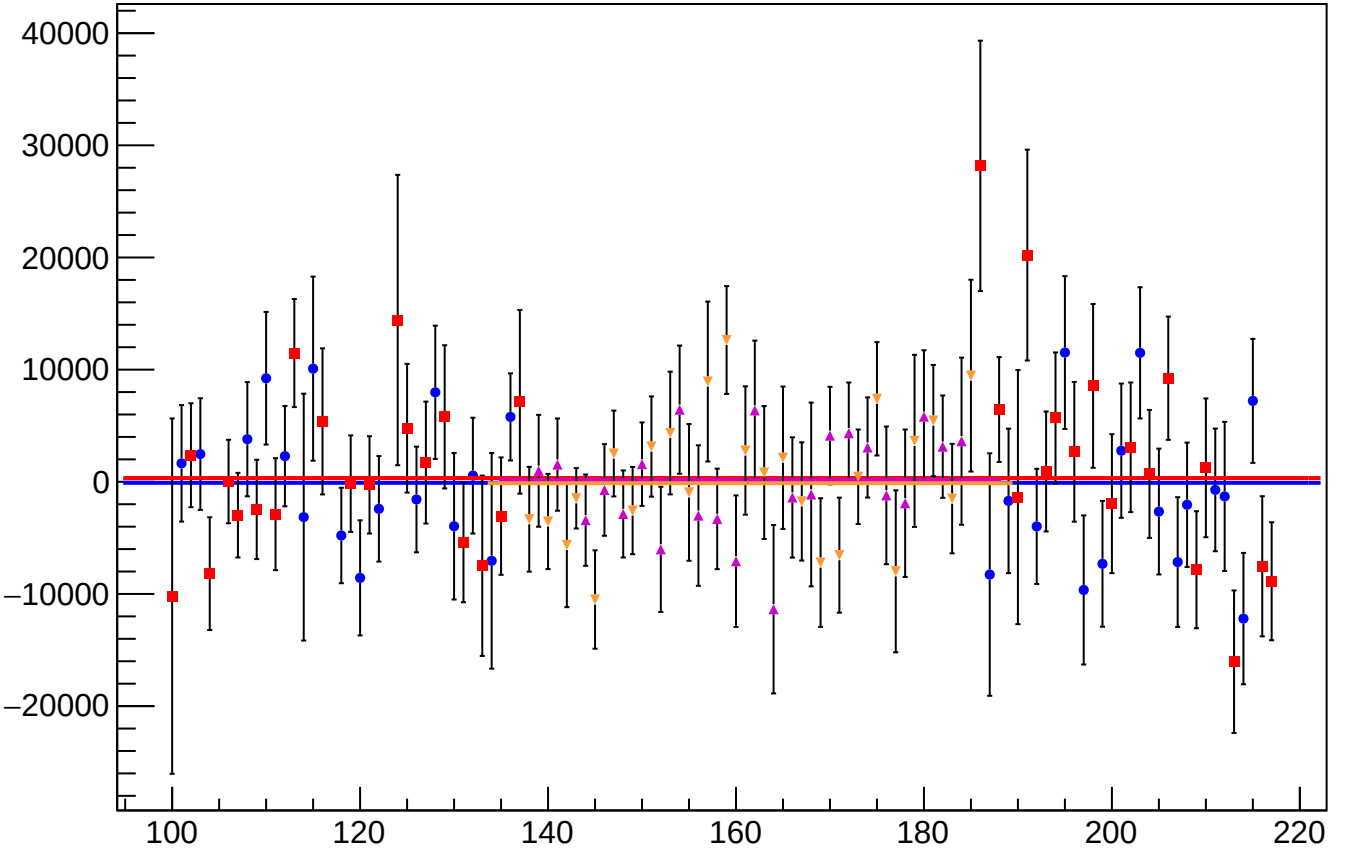
Right: 1297.679+/-0.147 χ^2/NDF: 909567.5/66

In: 1304.080+/-0.151 χ^2/NDF:577298.1/53

Out: 1295.886+/-0.146 χ^2/NDF:610720.7/60

All: 1299.849+/-0.105 χ^2/NDF: 1189540.9/11

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: 334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

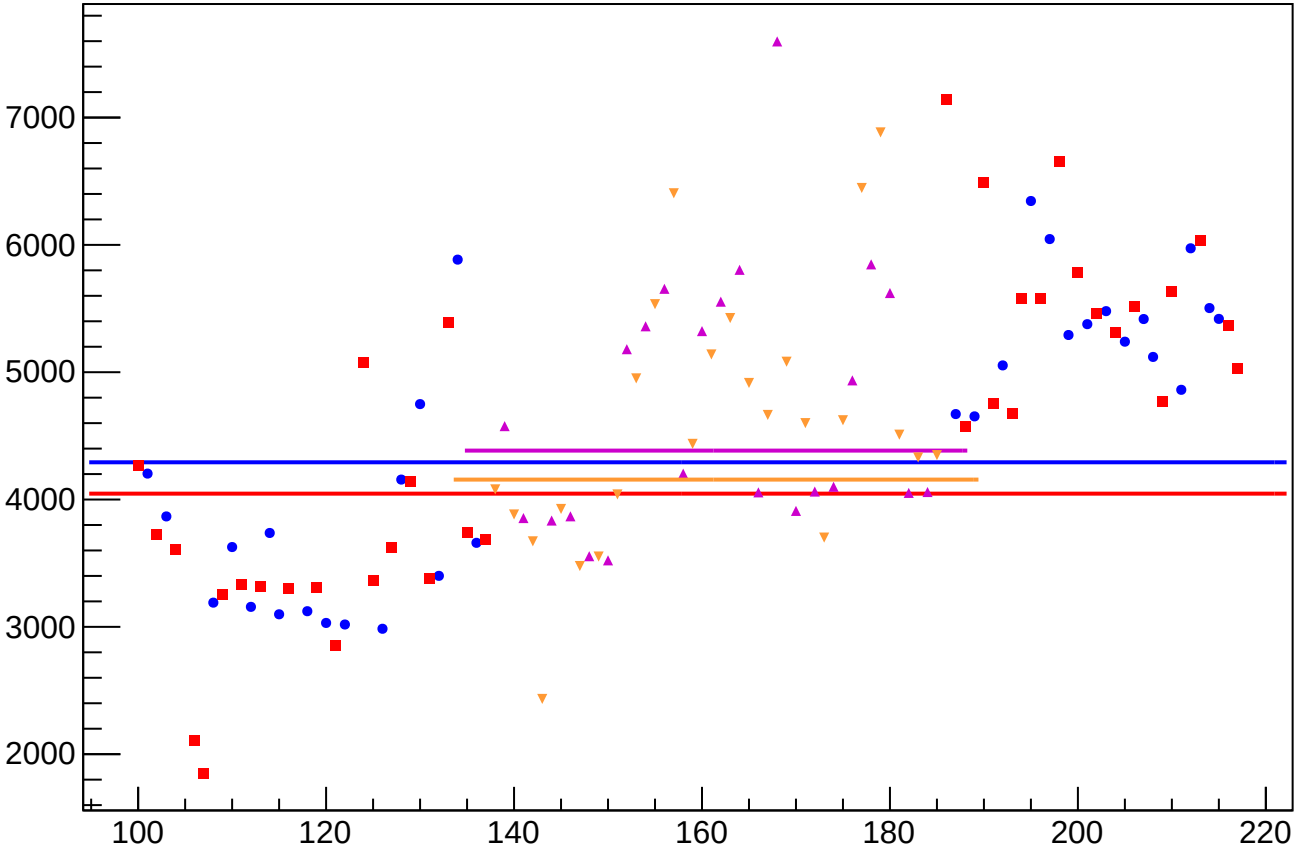
Right: 138.768+/-685.380 χ^2/NDF: 83.0/66

In: 30.350+/-725.812 χ^2/NDF:48.4/53

Out: 114.205+/-675.344 χ^2/NDF:77.0/60

All: 75.294+/-494.420 χ^2/NDF: 125.4/114

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4292.473+/-0.713 χ^2/NDF: 2142067.4/30

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

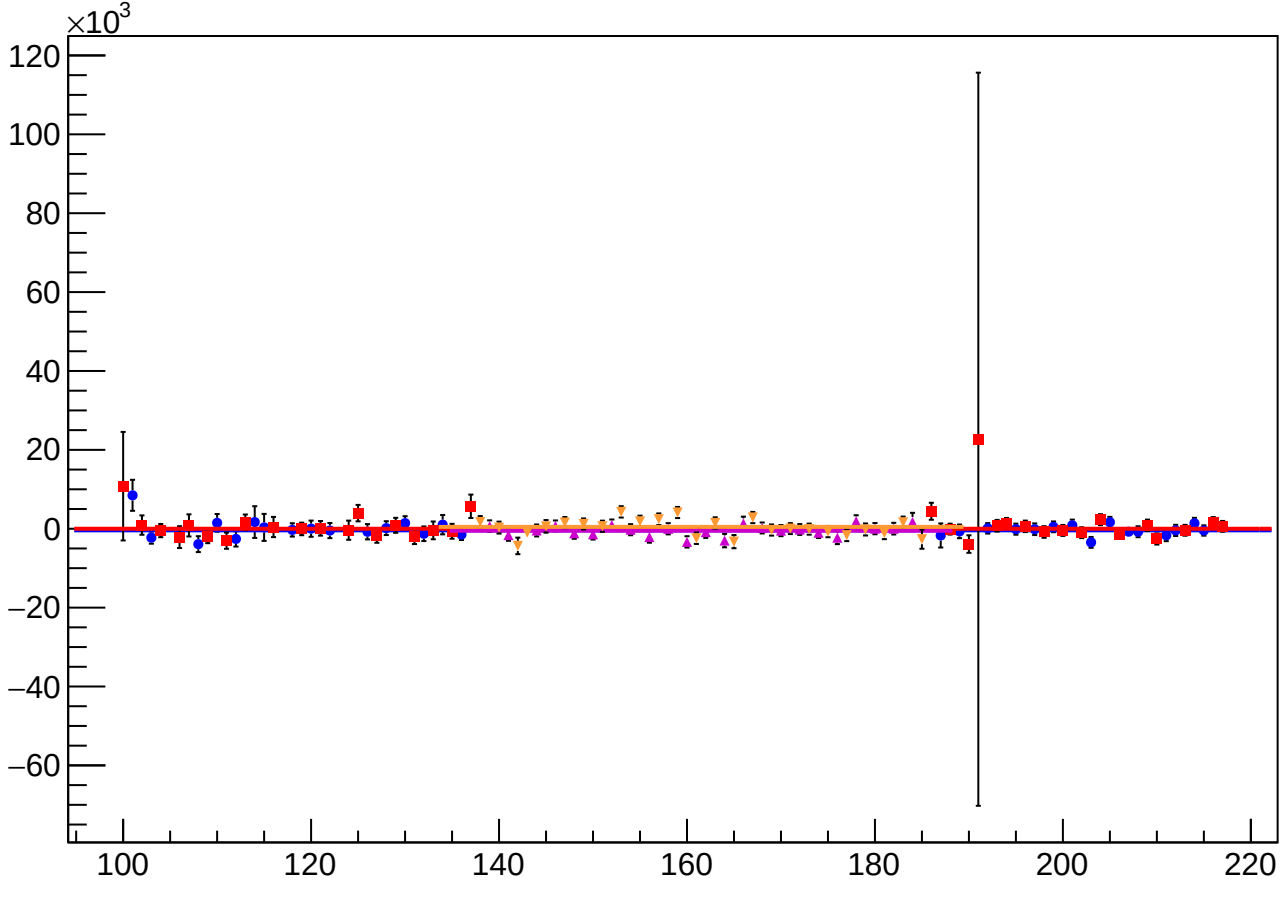
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4159.993+/-0.485 χ^2/NDF: 5859662.4/66

In: 4336.739+/-0.513 χ^2/NDF:3405534.8/53

Out: 4098.944+/-0.478 χ^2/NDF:5747522.7/60

All: 4209.287+/-0.350 χ^2/NDF: 9268119.3/11



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: -2.608+/-290.184 χ^2/NDF: 34.0/35

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

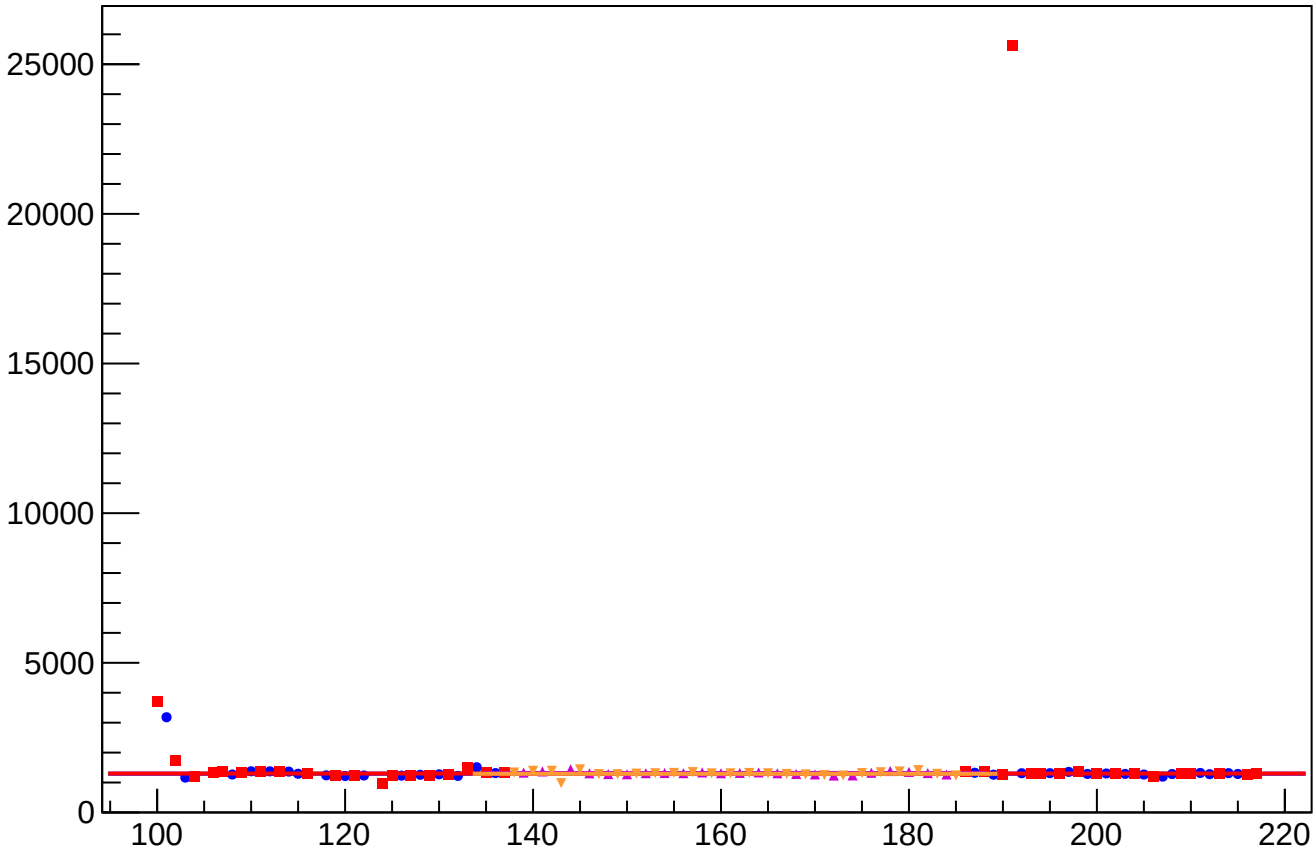
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -198.367+/-207.546 χ^2/NDF: 60.6/66

In: -451.794+/-213.463 χ^2/NDF:43.1/53

Out: 229.384+/-206.616 χ^2/NDF:79.4/60

All: -100.106+/-148.461 χ^2/NDF: 127.8/114



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.3/30

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

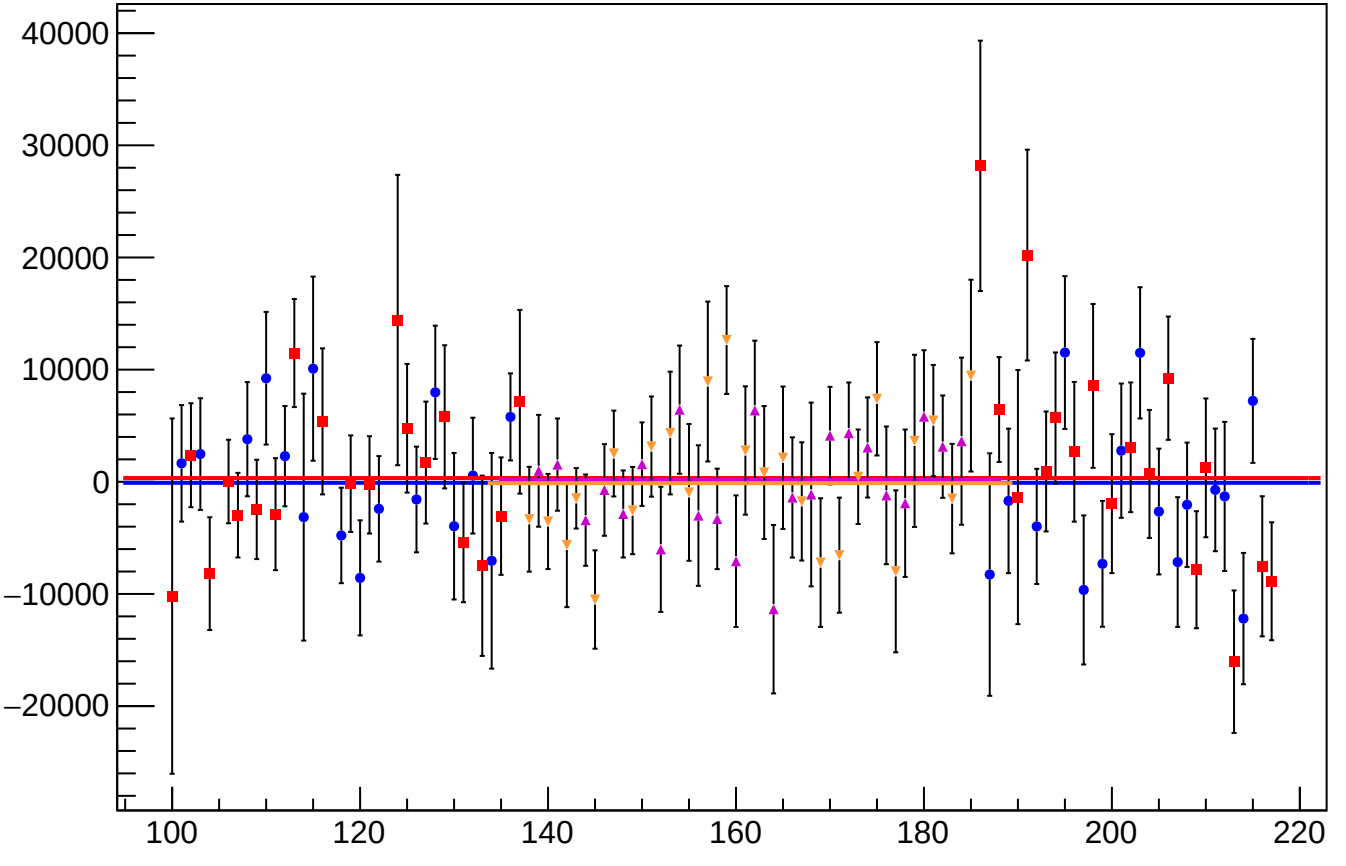
Right: 1297.679+/-0.147 χ^2/NDF: 909567.7/66

In: 1304.081+/-0.151 χ^2/NDF:577300.9/53

Out: 1295.886+/-0.146 χ^2/NDF:610723.1/60

All: 1299.850+/-0.105 χ^2/NDF: 1189546.0/11

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: 334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

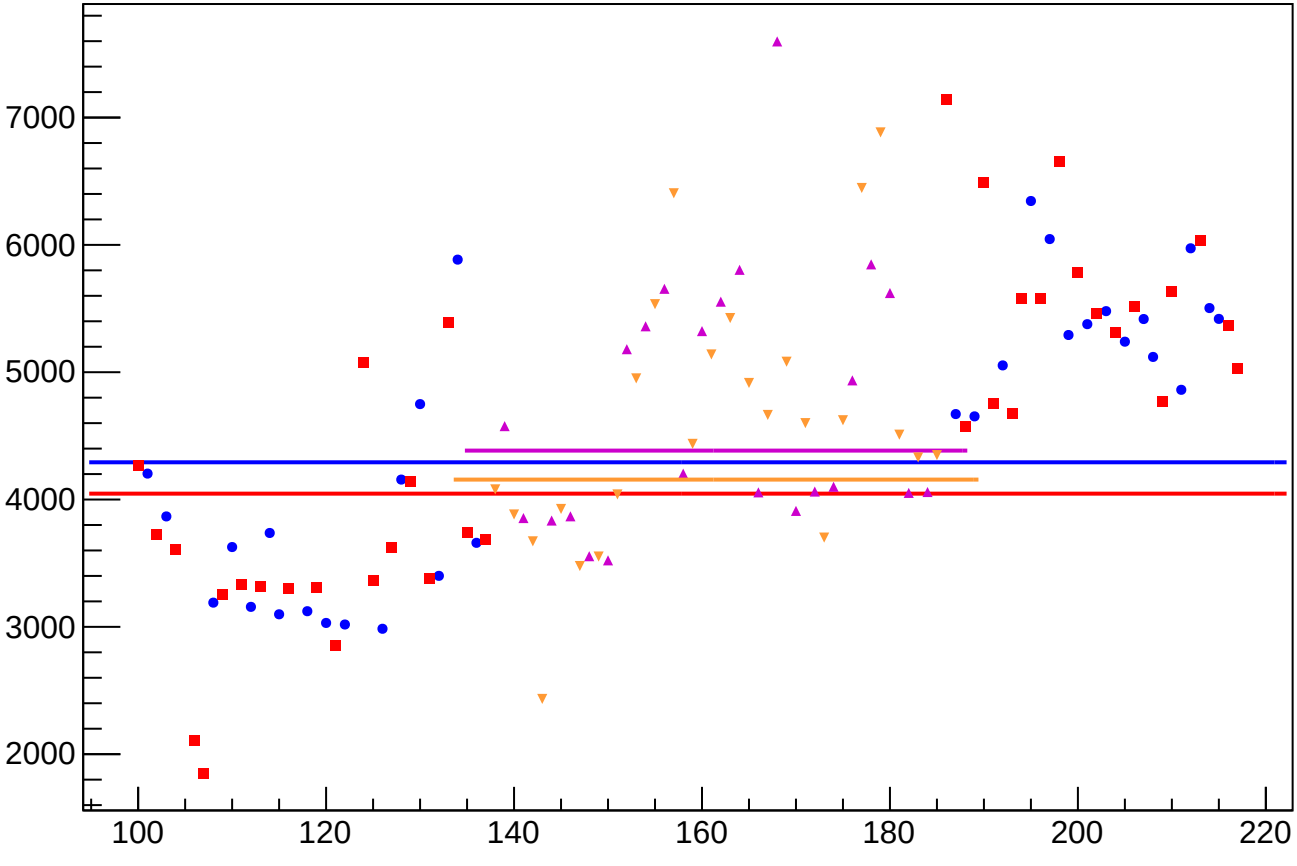
Right: 138.764+/-685.379 χ^2/NDF: 83.0/66

In: 30.348+/-725.813 χ^2/NDF:48.4/53

Out: 114.204+/-675.344 χ^2/NDF:77.0/60

All: 75.293+/-494.420 χ^2/NDF: 125.4/114

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: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

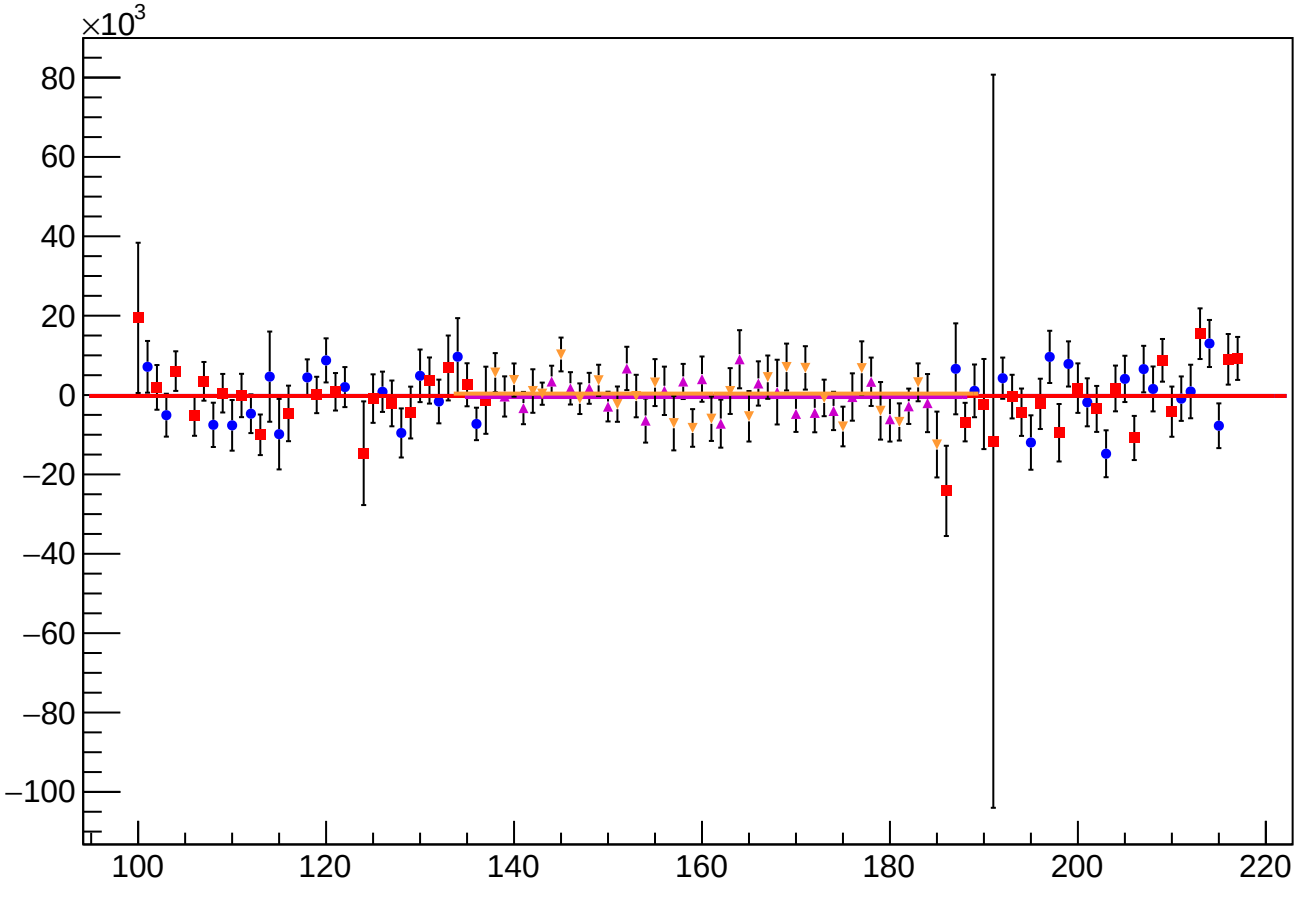
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4159.988+/-0.485 χ^2/NDF: 5859737.9/66

In: 4336.740+/-0.513 χ^2/NDF:3405579.4/53

Out: 4098.944+/-0.478 χ^2/NDF:5747565.0/60

All: 4209.288+/-0.350 χ^2/NDF: 9268206.7/11



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: -228.319+/-1008.085 χ^2/NDF: 38.7/35

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

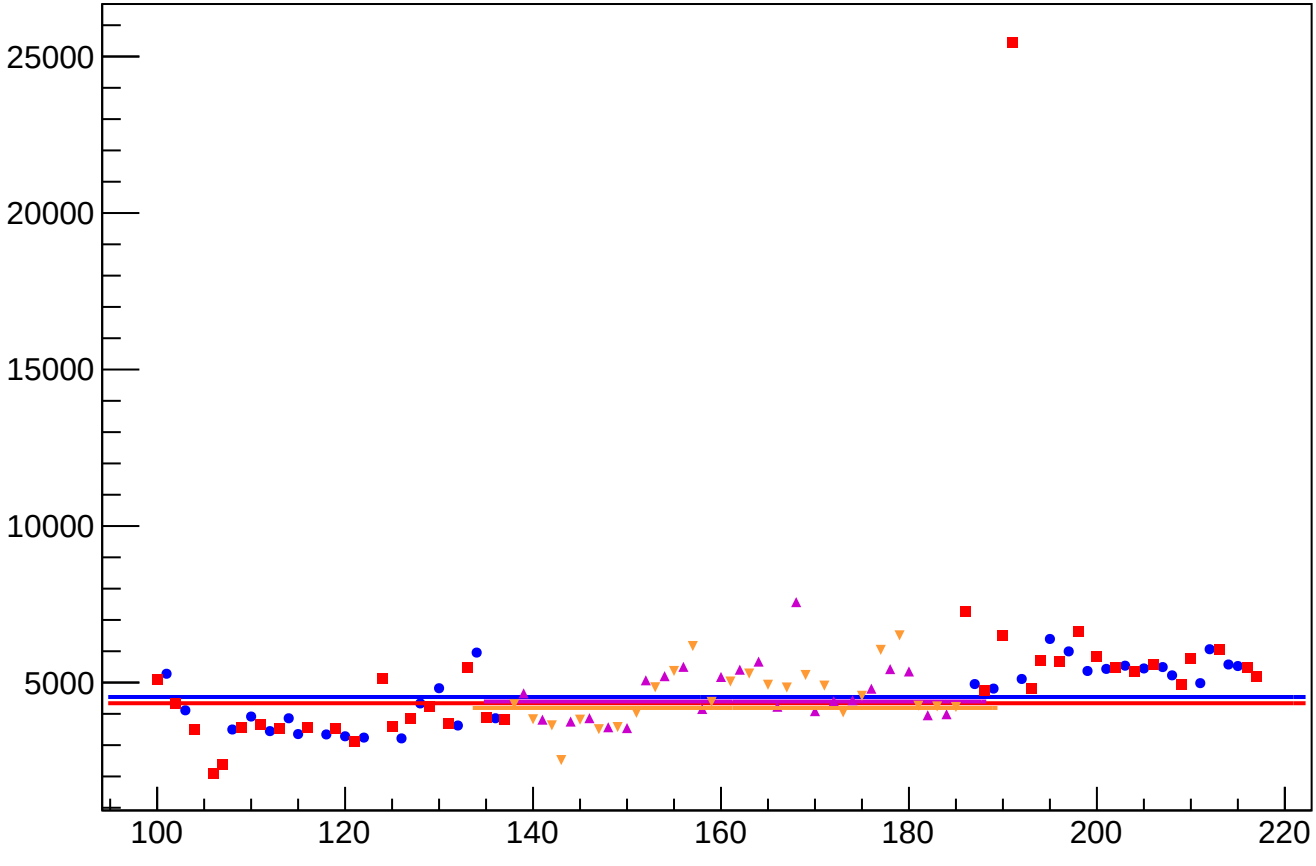
Right: -224.838+/-730.504 χ^2/NDF: 80.0/66

In: -361.271+/-744.084 χ^2/NDF:55.3/53

Out: 75.492+/-702.632 χ^2/NDF:66.5/60

All: -130.386+/-510.862 χ^2/NDF: 122.0/114

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



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: 4339.144+/-0.707 χ^2/NDF: 2890722.2/35

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

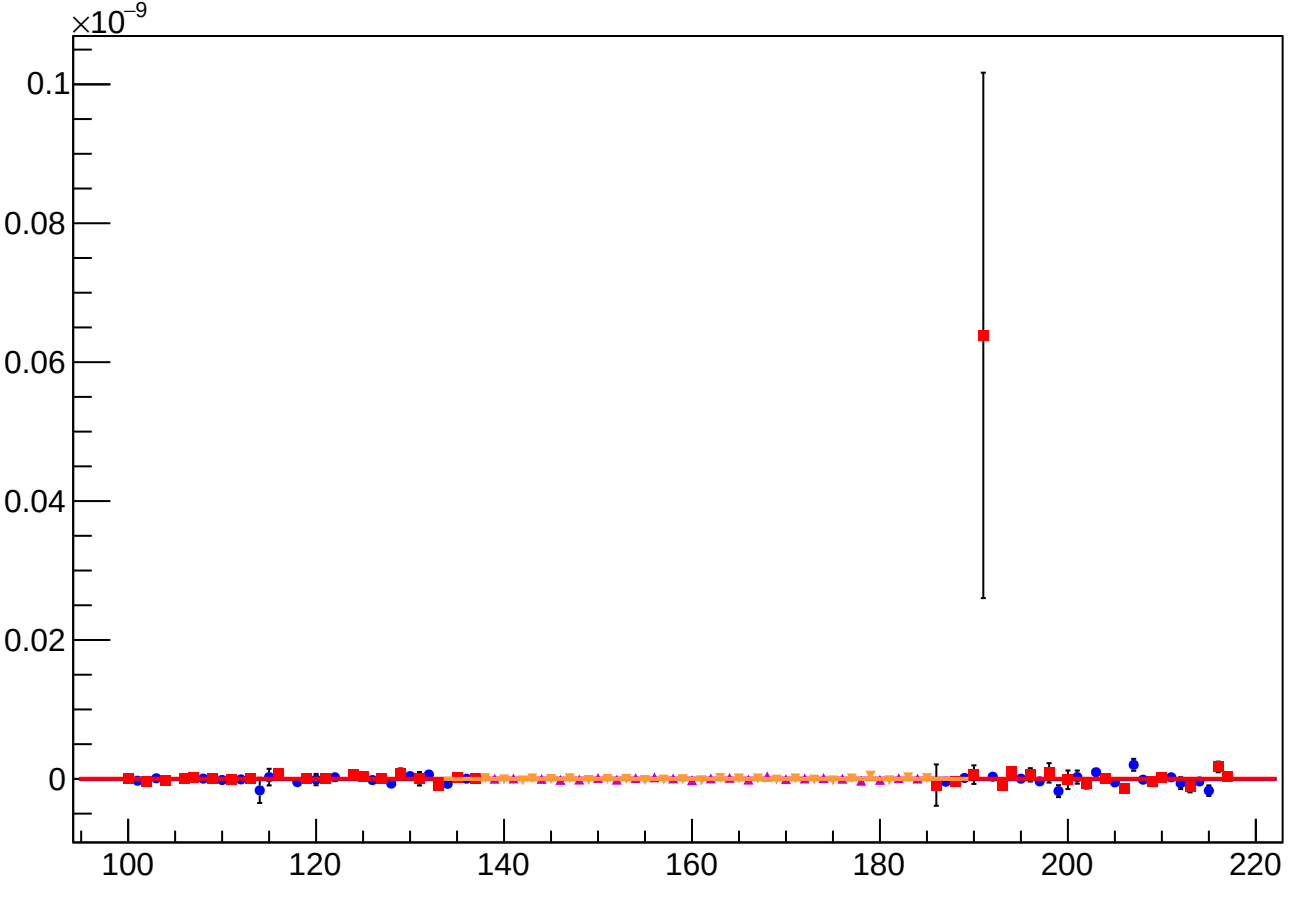
Right: 4432.869+/-0.514 χ^2/NDF: 4652136.3/66

In: 4465.187+/-0.526 χ^2/NDF:2831196.7/53

Out: 4261.943+/-0.495 χ^2/NDF:4710419.7/60

All: 4357.358+/-0.361 χ^2/NDF: 7620782.8/11

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: 40.5/35

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

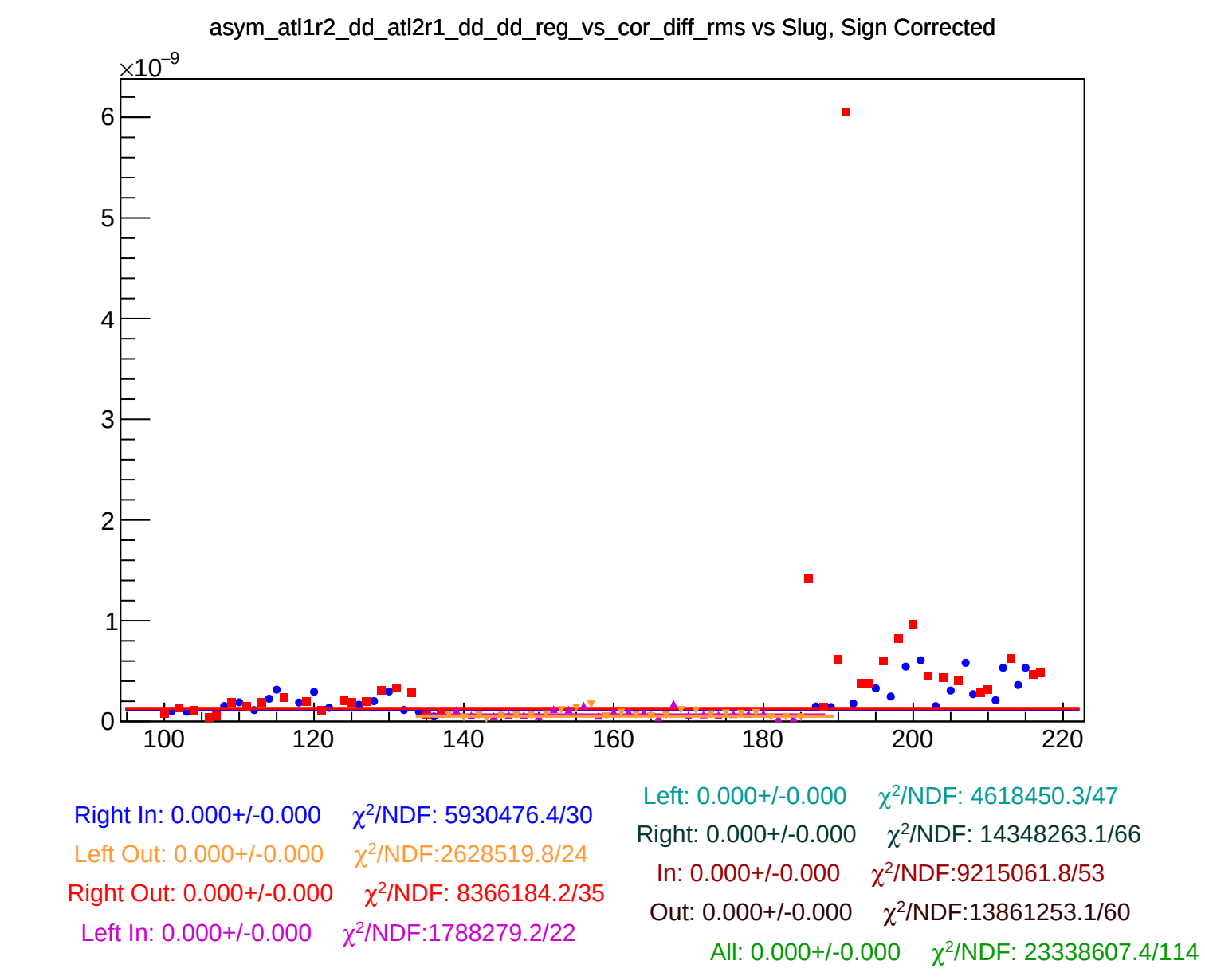
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 81.4/66

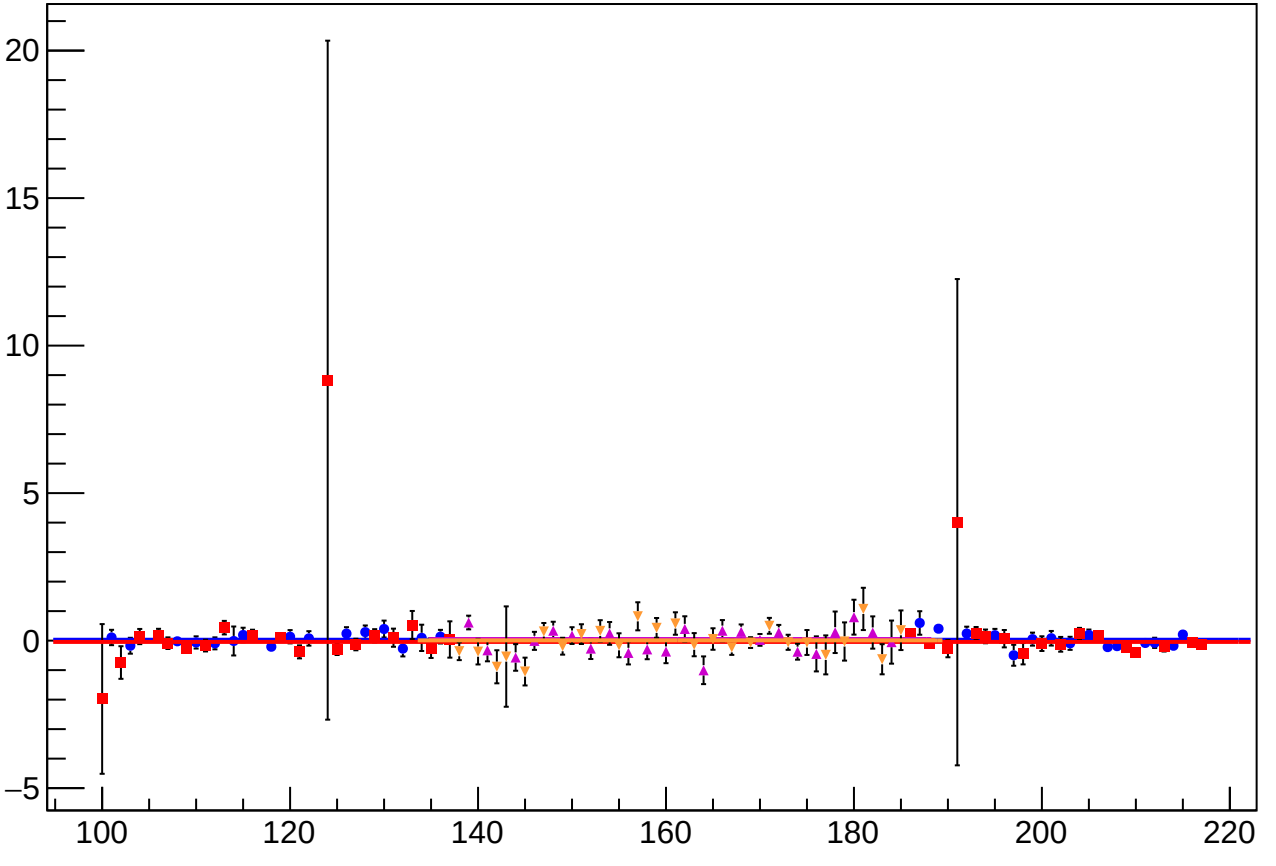
In: 0.000+/-0.000 χ^2/NDF:58.2/53

Out: -0.000+/-0.000 χ^2/NDF:71.1/60

All: 0.000+/-0.000 χ^2/NDF: 129.5/114


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5930476.4/30
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8366184.2/35
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: 14348263.1/66
In: 0.000+/-0.000 χ²/NDF:9215061.8/53
Out: 0.000+/-0.000 χ²/NDF:13861253.1/60
All: 0.000+/-0.000 χ²/NDF: 23338607.4/114

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

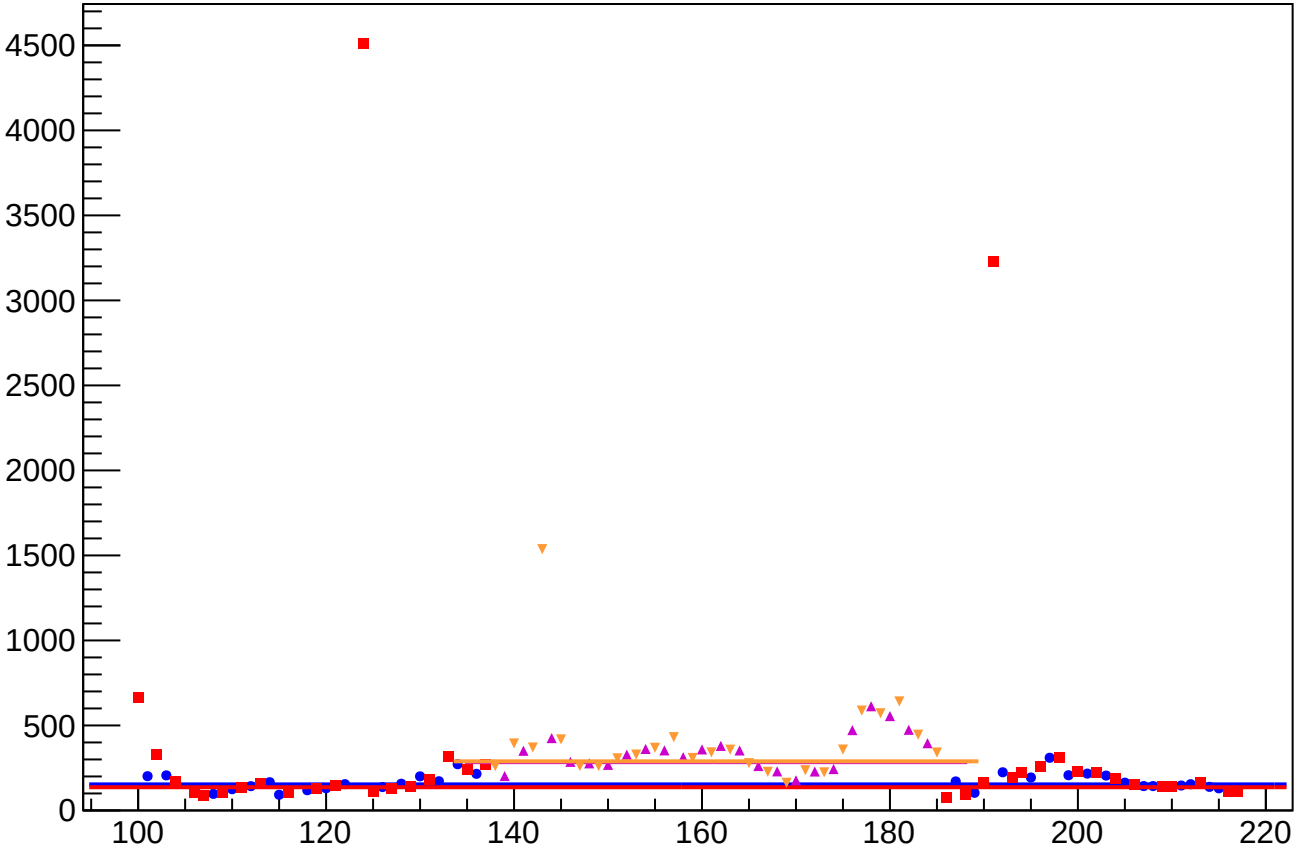
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

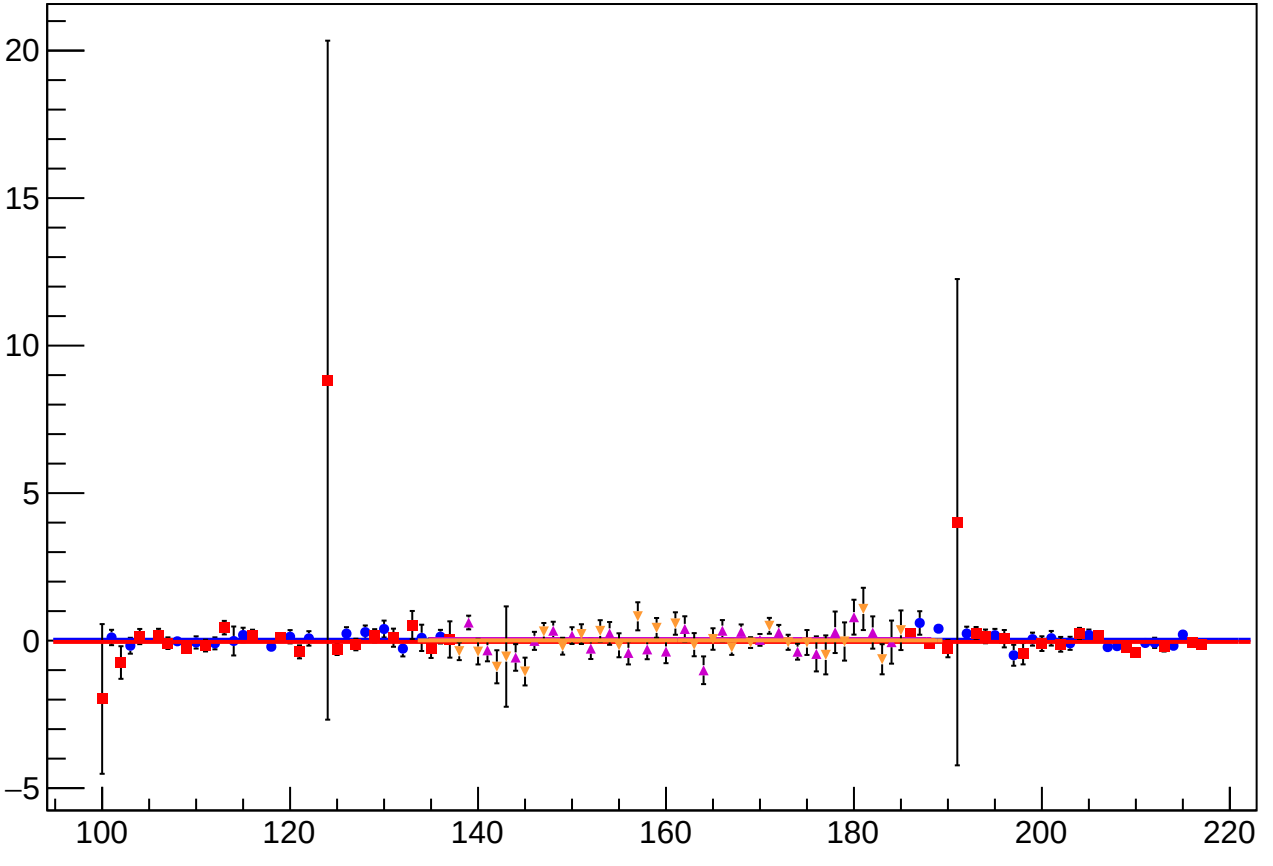
Right: 144.057+/-0.017 χ^2/NDF: 7469460.3/66

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

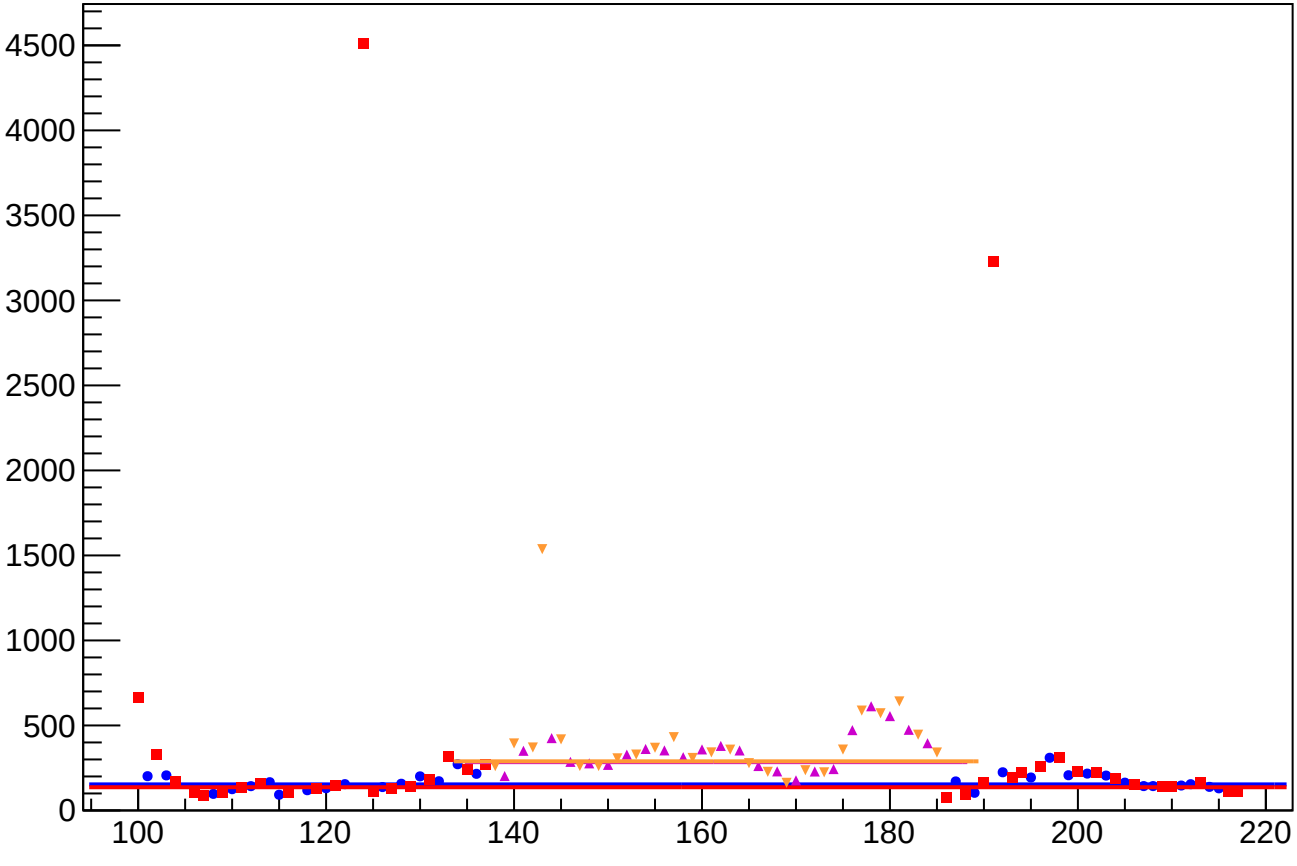
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

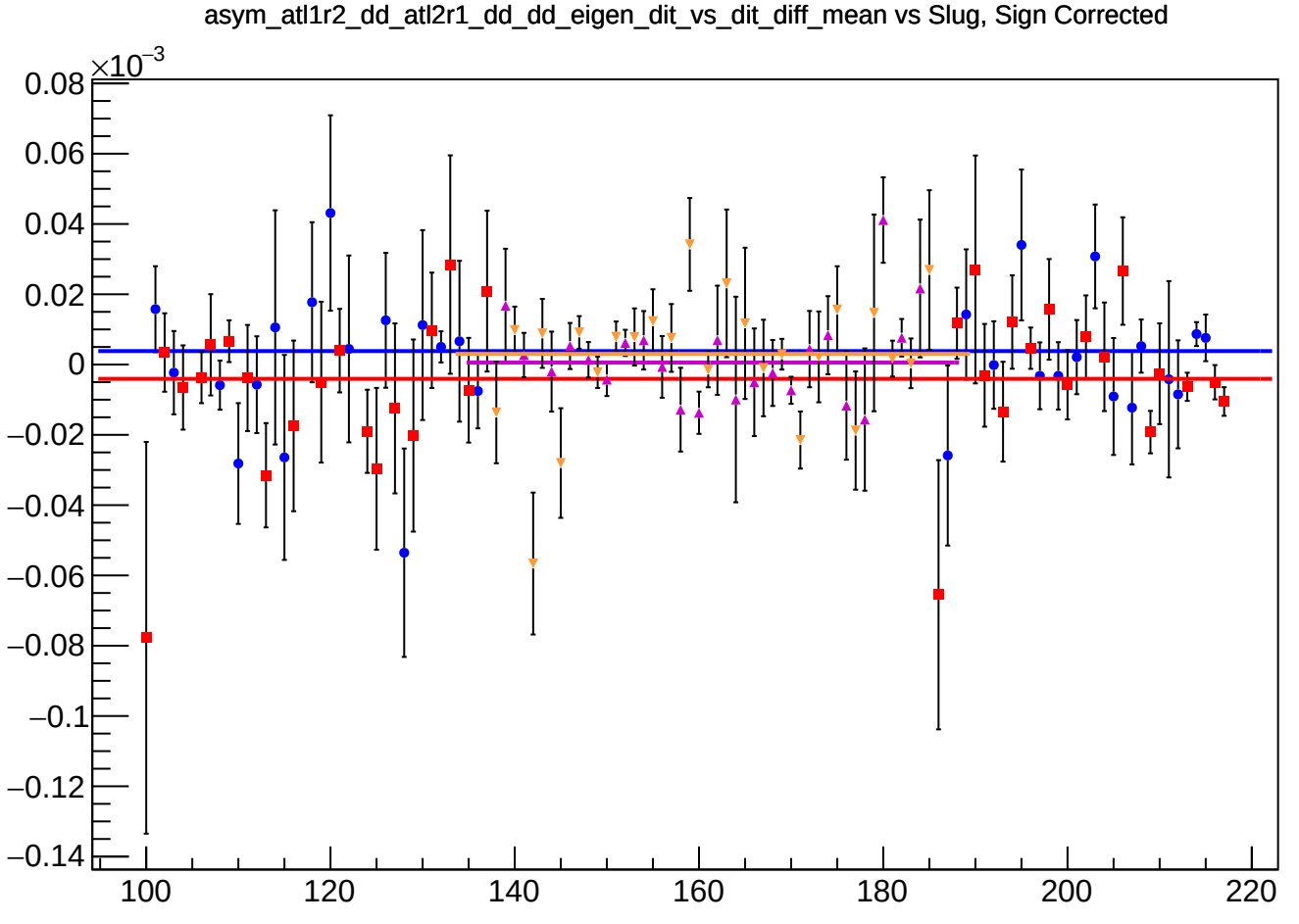
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 144.057+/-0.017 χ^2/NDF: 7469460.3/66

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 163.827+/-0.021 χ^2/NDF:17097934.1/60

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11



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: 42.8/35

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

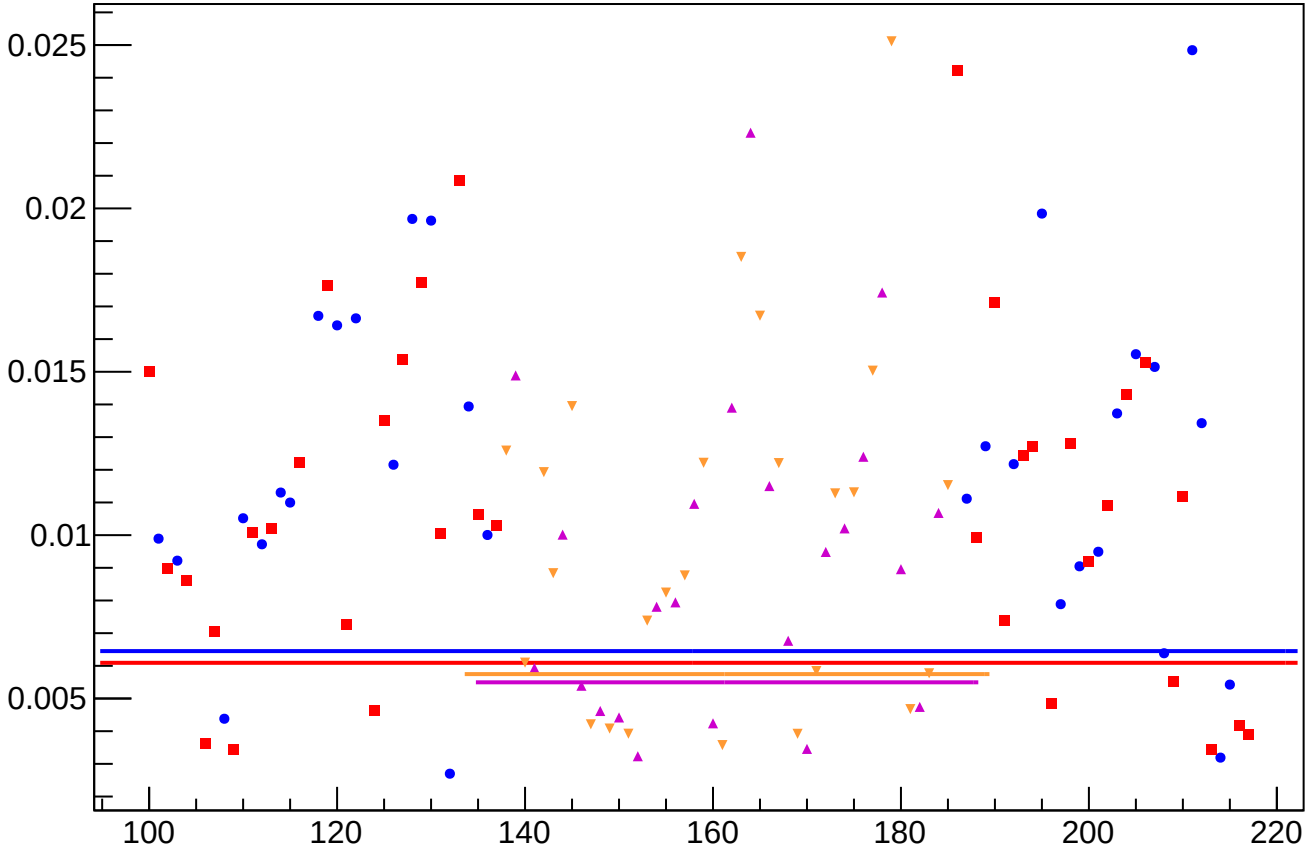
Right: -0.000+/-0.000 χ^2/NDF: 82.3/66

In: 0.000+/-0.000 χ^2/NDF:63.8/53

Out: -0.000+/-0.000 χ^2/NDF:95.4/60

All: 0.000+/-0.000 χ^2/NDF: 161.3/114

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: 9846323.4/35

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

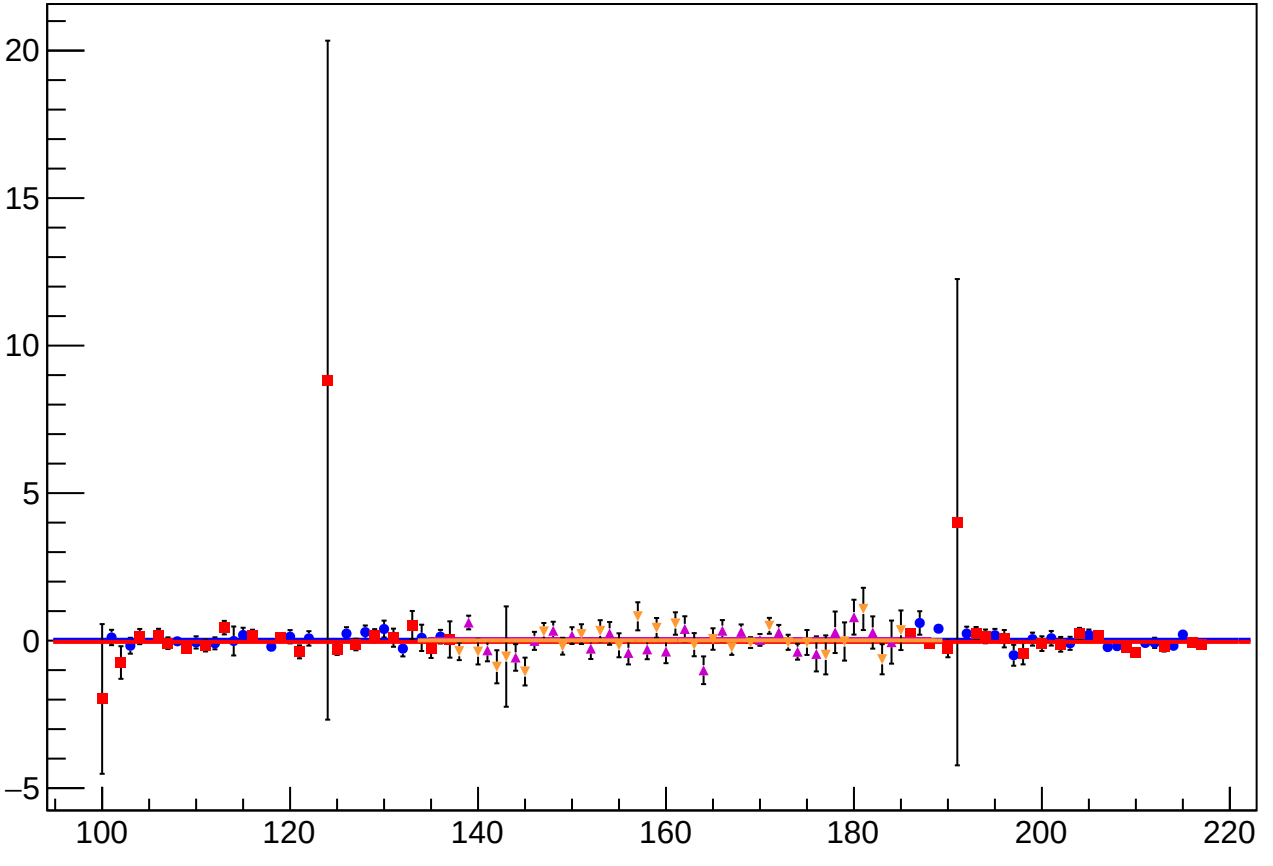
Right: 0.006+/-0.000 χ^2/NDF: 21210887.8/66

In: 0.006+/-0.000 χ^2/NDF:18585008.7/53

Out: 0.006+/-0.000 χ^2/NDF:18023890.7/60

All: 0.006+/-0.000 χ^2/NDF: 36609293.3/114

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

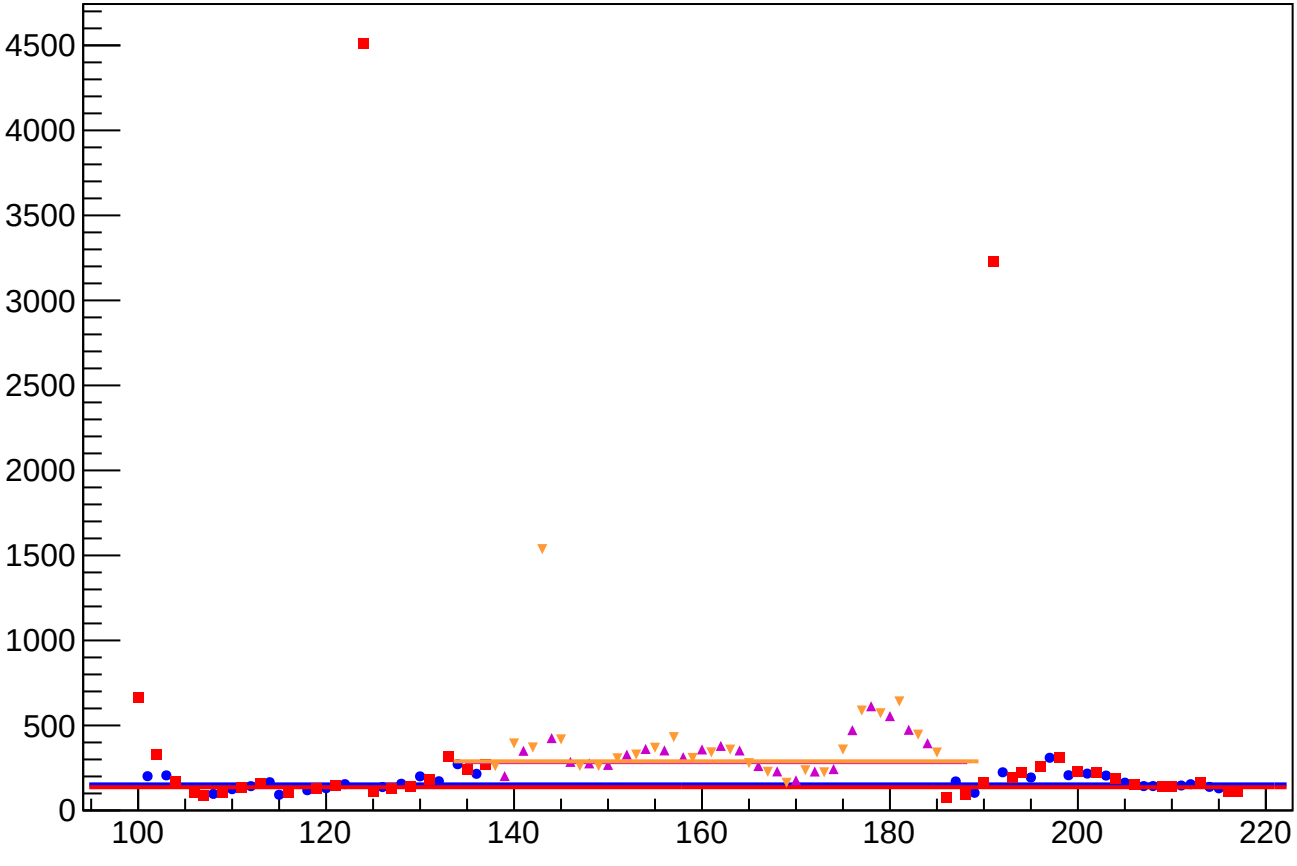
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

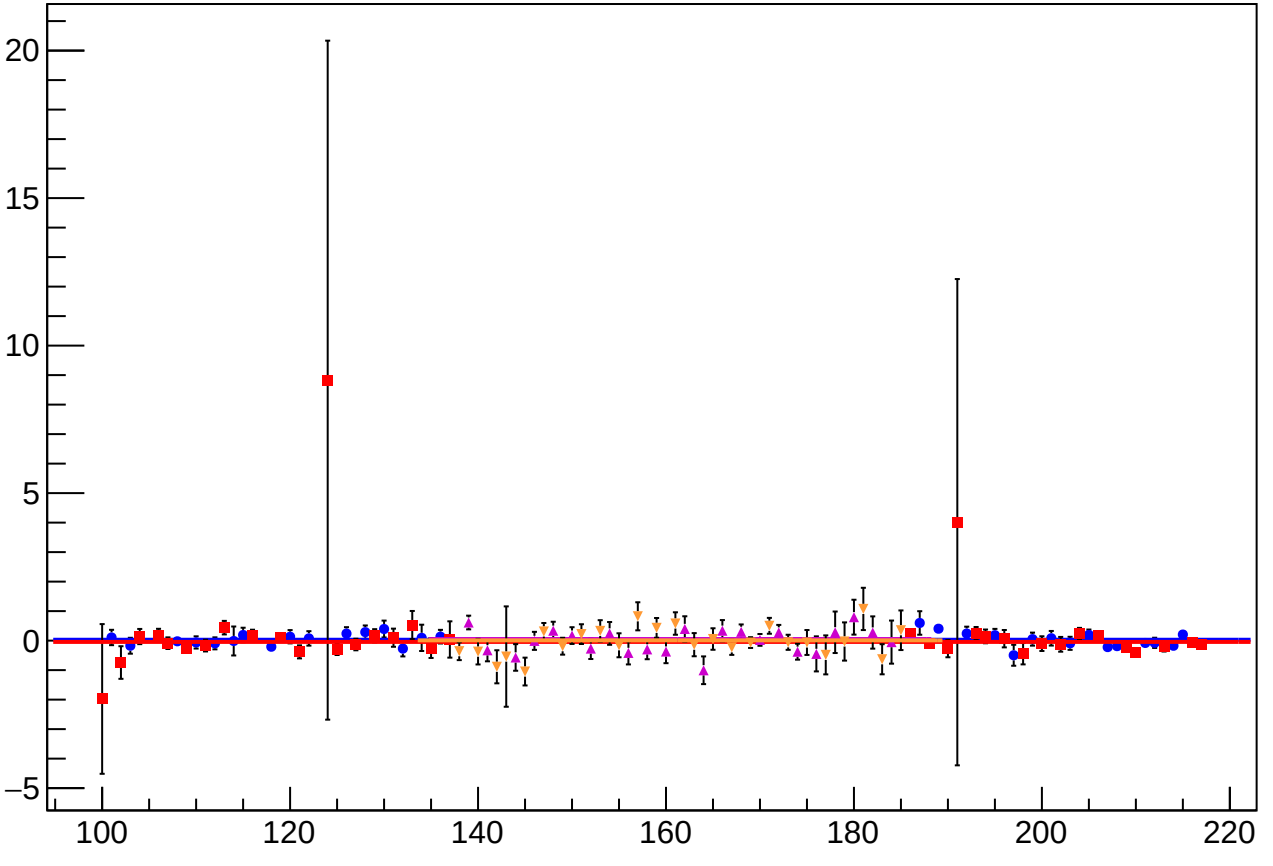
Right: 144.058+/-0.017 χ^2/NDF: 7469255.8/66

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/1

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: -0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

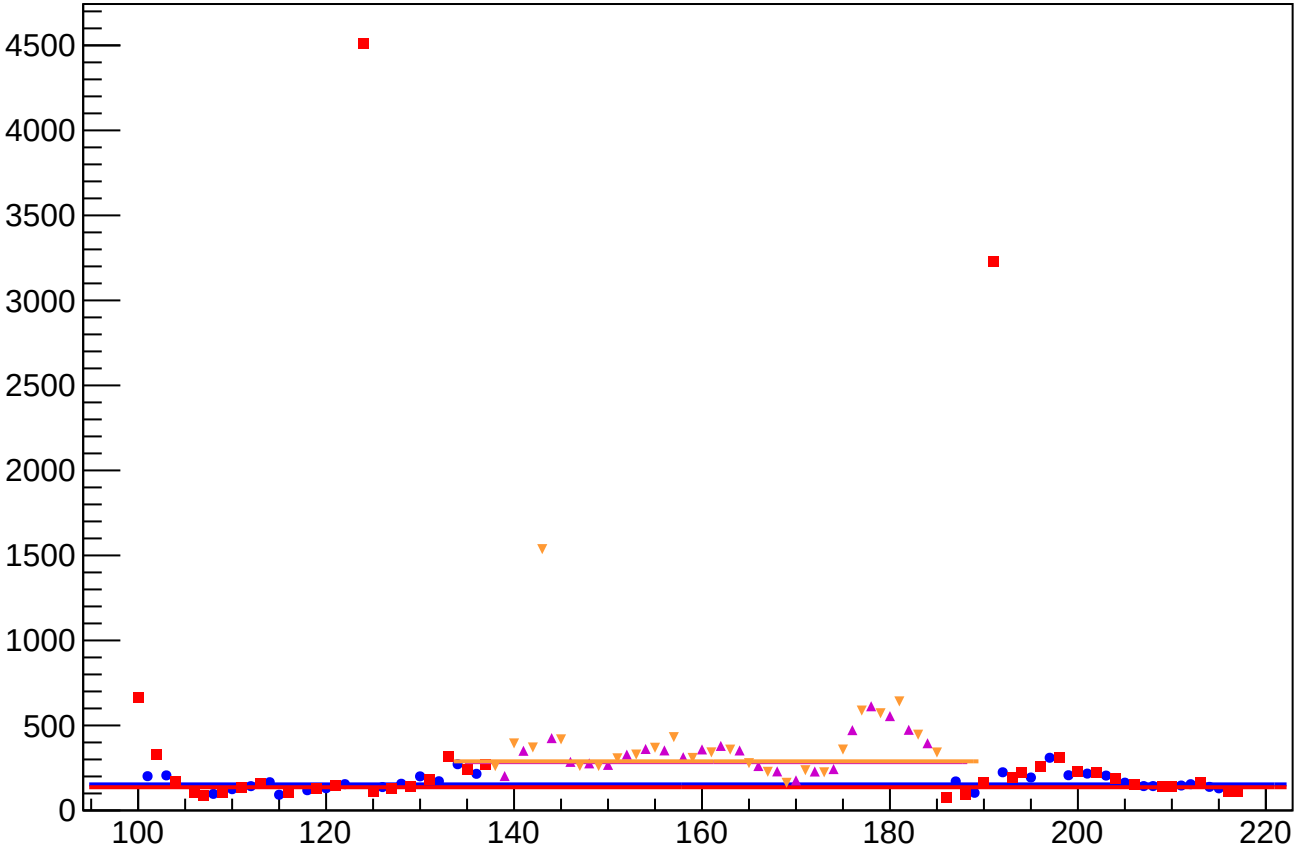
Right: -0.011+/-0.025 χ^2/NDF: 74.6/66

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.034+/-0.030 χ^2/NDF:70.6/60

All: -0.003+/-0.022 χ^2/NDF: 132.1/114

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: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

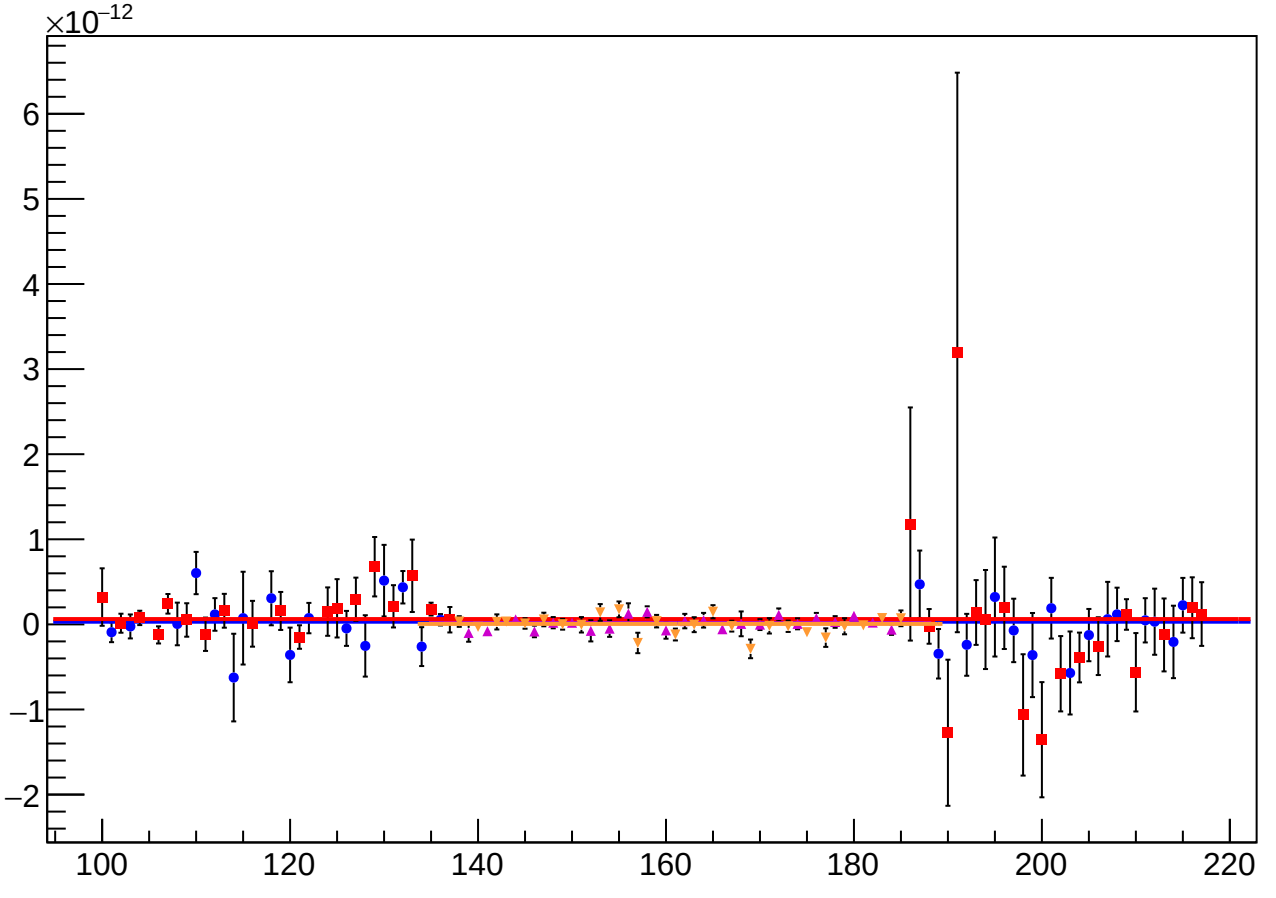
Right: 144.058+/-0.017 χ^2/NDF: 7469255.8/66

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 163.829+/-0.021 χ^2/NDF:17097764.6/60

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/11

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: 37.5/35

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

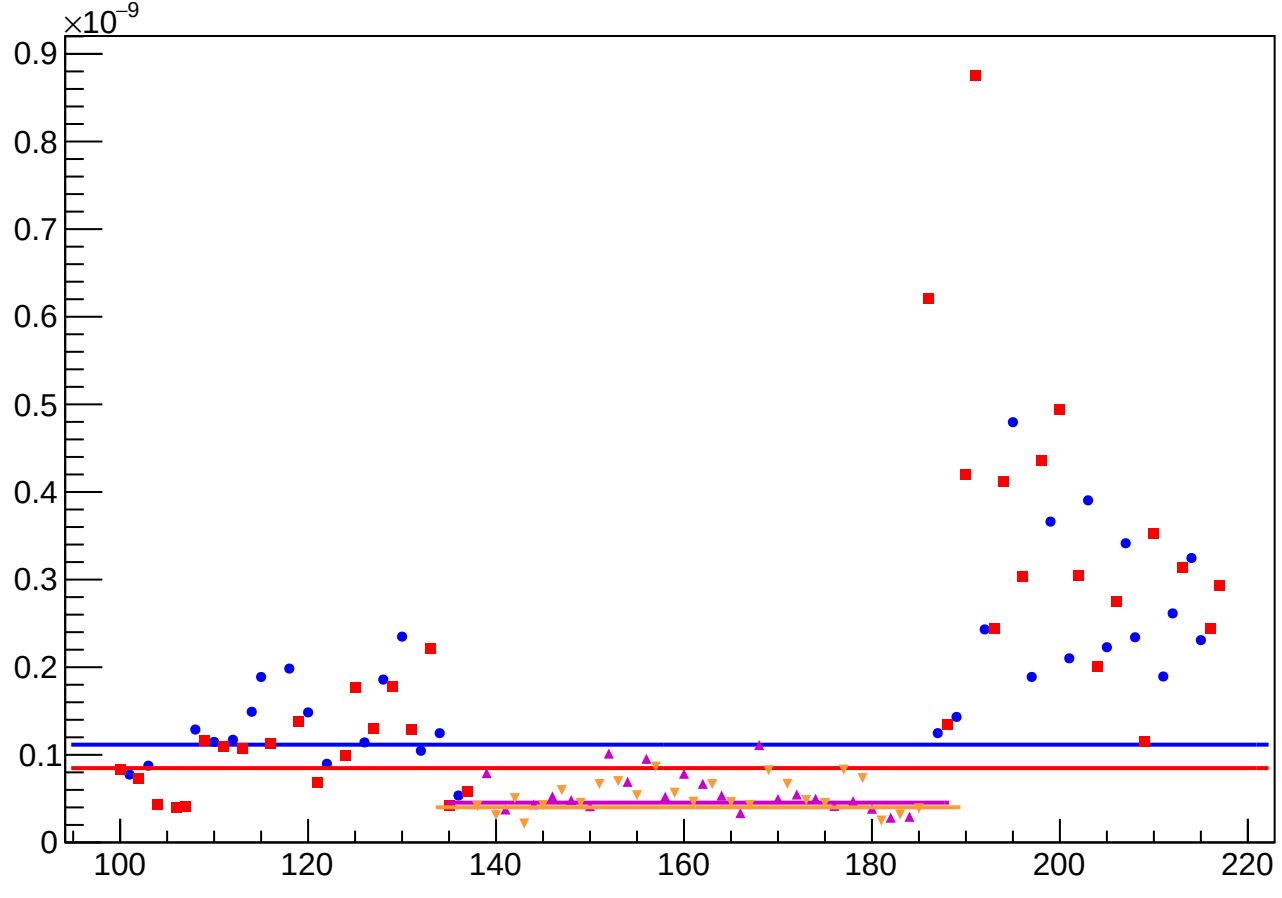
Right: 0.000+/-0.000 χ^2/NDF: 64.0/66

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:74.4/60

All: 0.000+/-0.000 χ^2/NDF: 123.9/114

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: 10027189.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

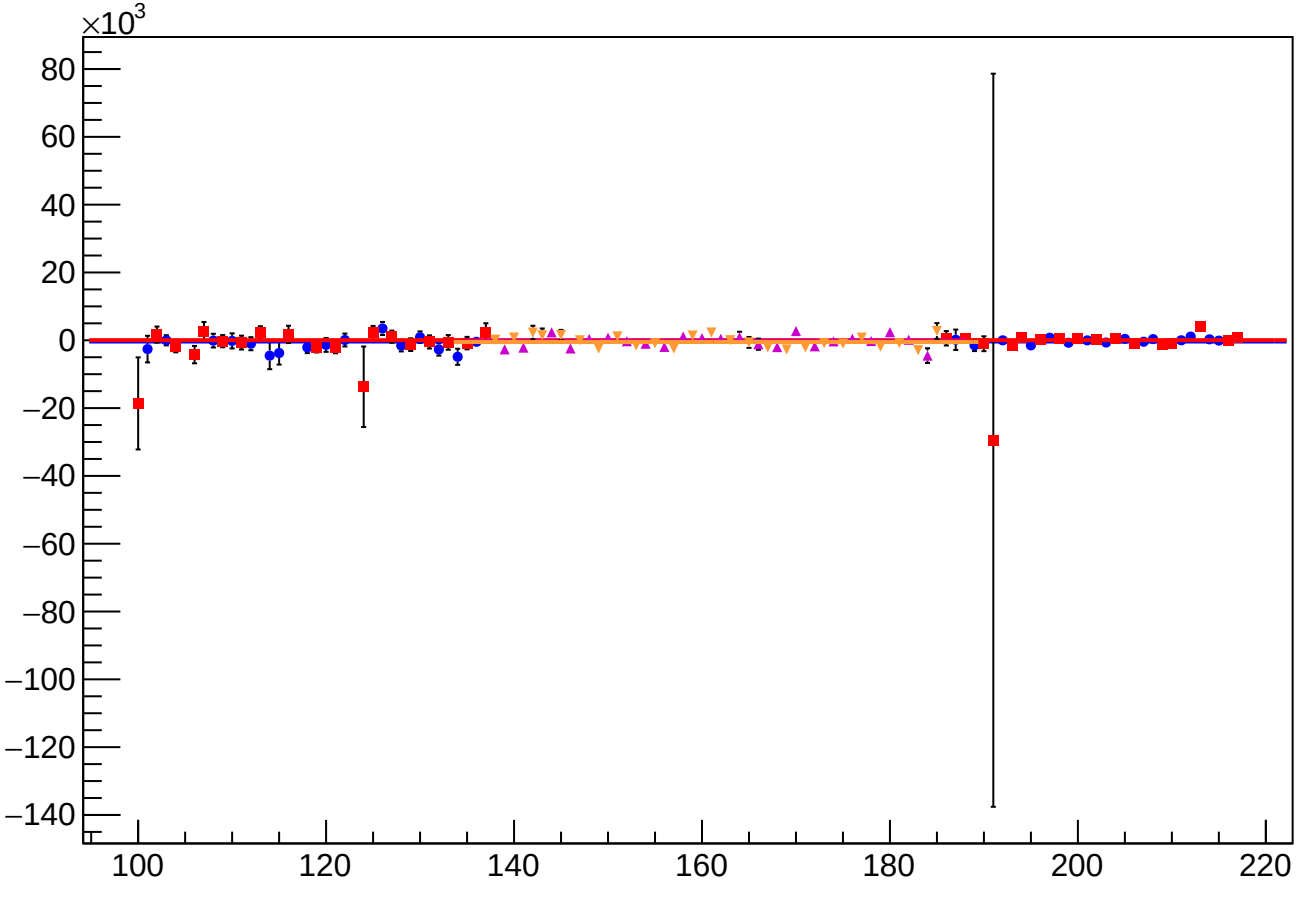
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17491396.2/66

In: 0.000+/-0.000 χ^2/NDF:14838485.8/53

Out: 0.000+/-0.000 χ^2/NDF:17053044.0/60

All: 0.000+/-0.000 χ^2/NDF: 32203623.8/114



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: 37.386+/-286.628 χ^2/NDF: 30.1/35

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

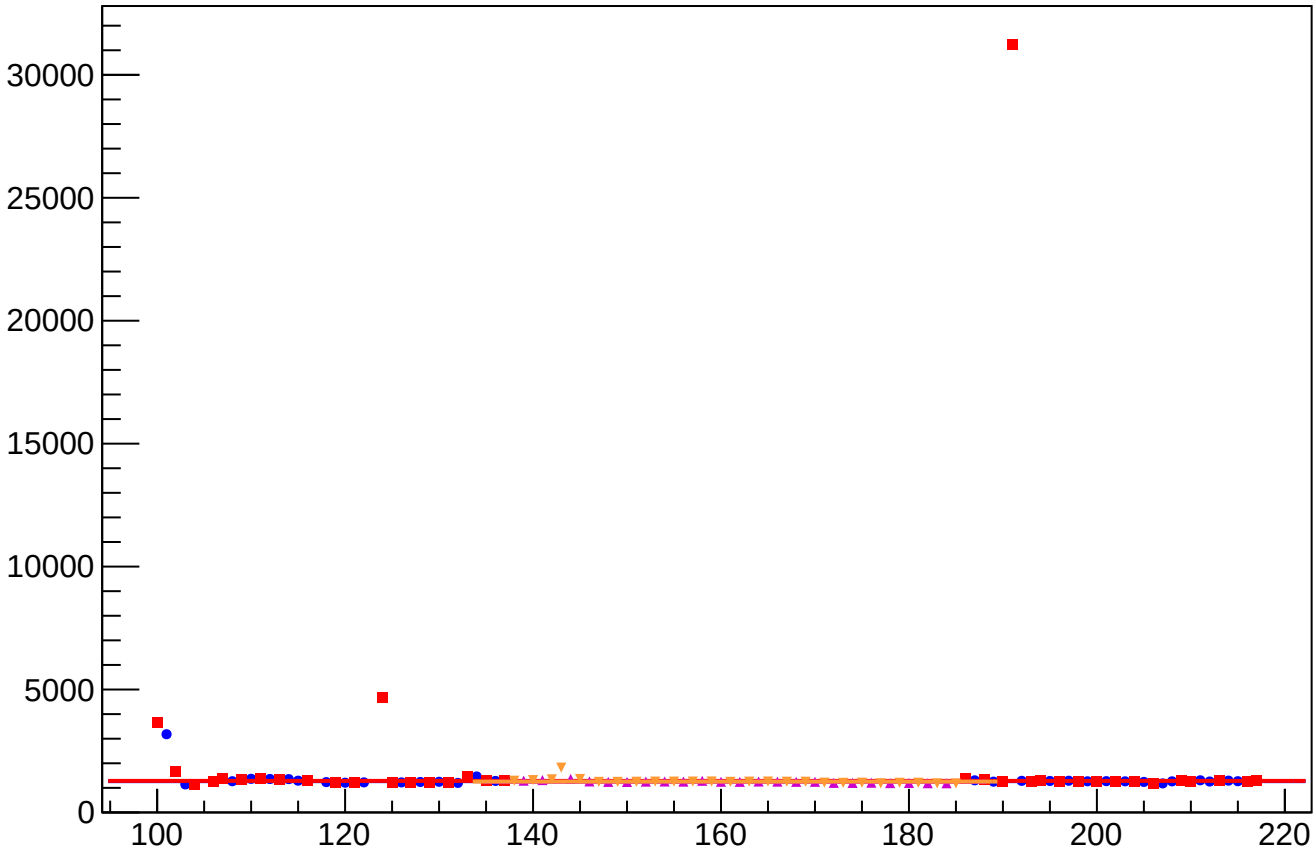
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -158.154+/-204.559 χ^2/NDF: 49.2/66

In: -301.733+/-206.189 χ^2/NDF:50.4/53

Out: -239.208+/-202.435 χ^2/NDF:62.8/60

All: -269.896+/-144.452 χ^2/NDF: 113.2/114



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: 1283.769+/-0.203 χ^2/NDF: 508275.4/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

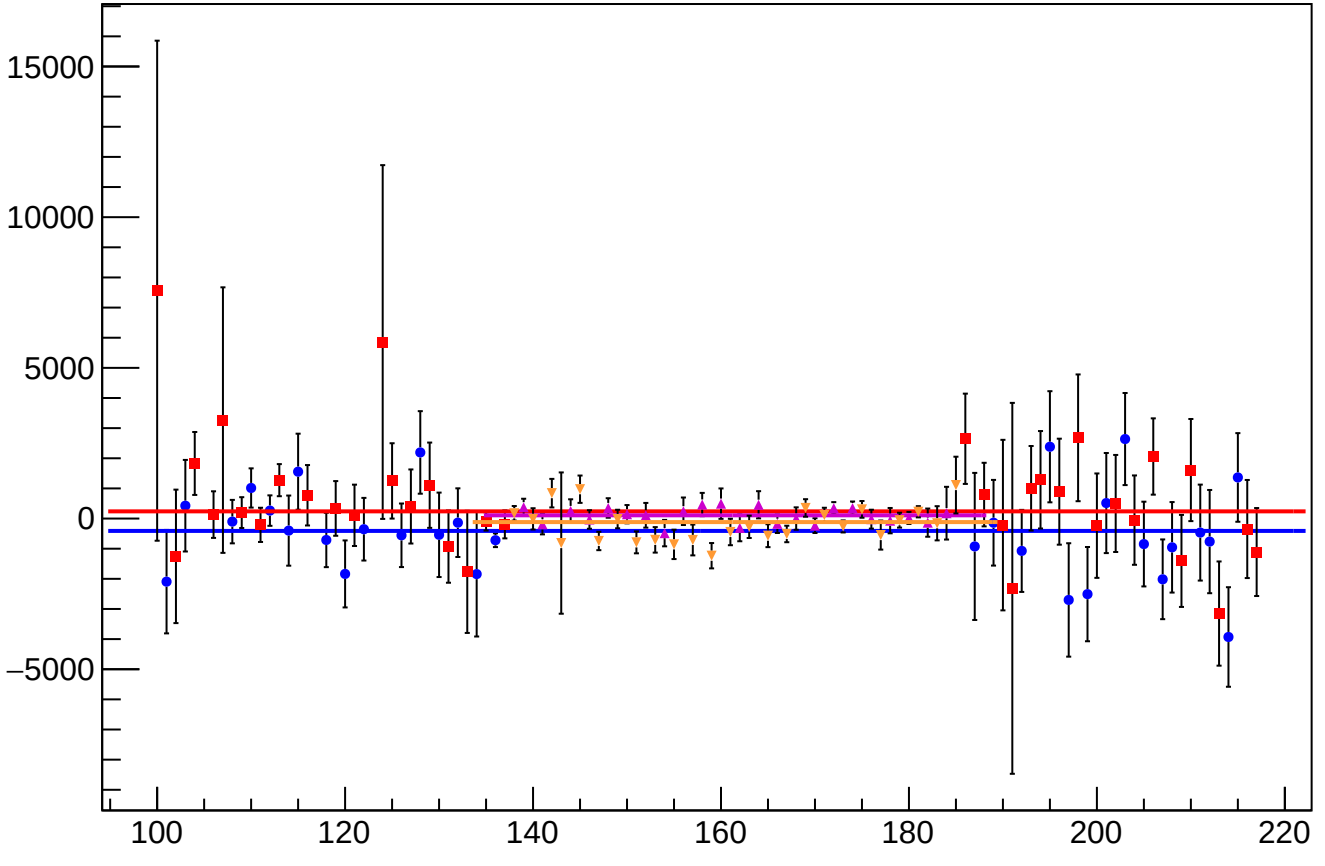
Right: 1278.652+/-0.145 χ^2/NDF: 1043740.4/66

In: 1259.807+/-0.146 χ^2/NDF:582586.3/53

Out: 1269.608+/-0.143 χ^2/NDF:721140.5/60

All: 1264.797+/-0.102 χ^2/NDF: 1306027.7/11

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: 238.735+/-155.290 χ^2/NDF: 28.8/35

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

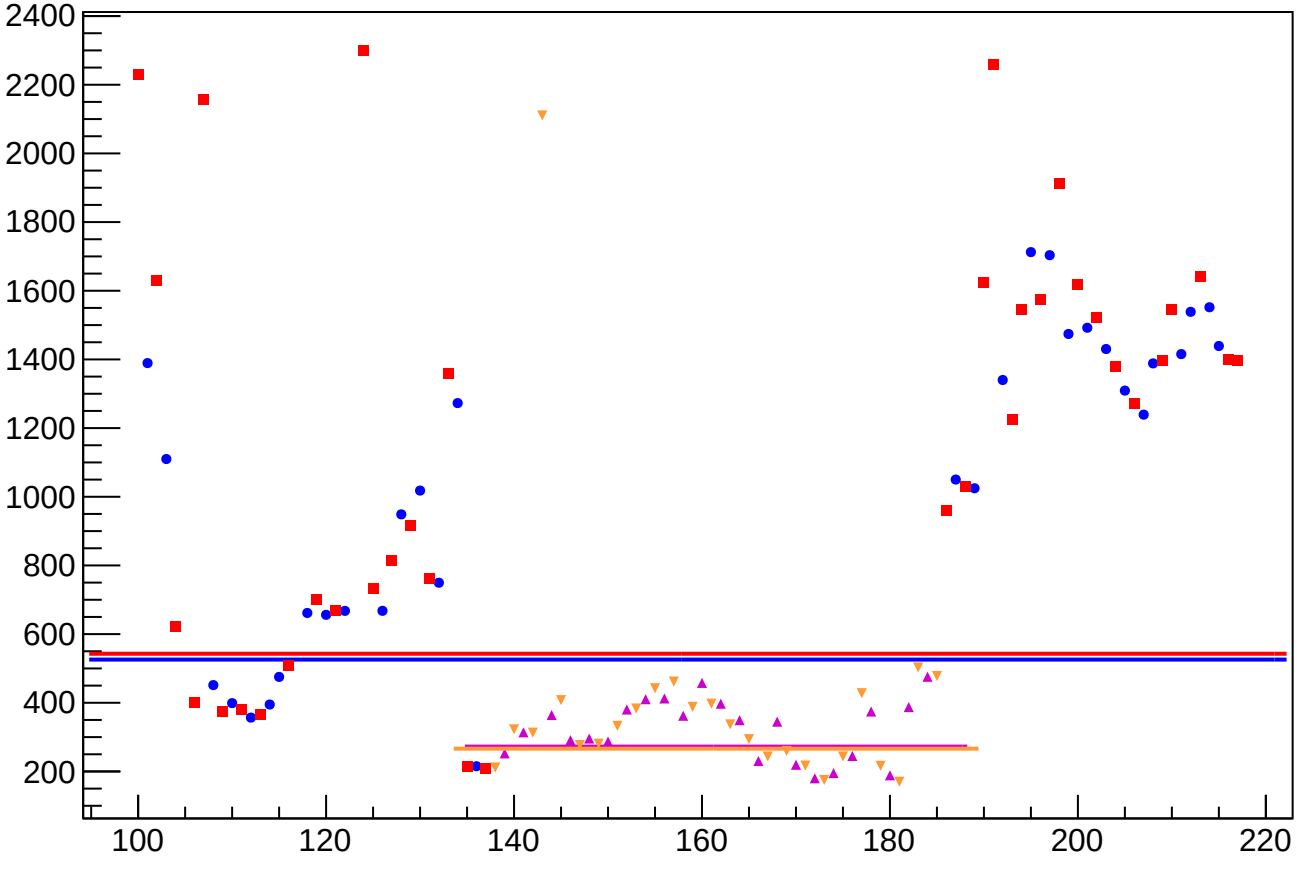
Right: -85.567+/-109.845 χ^2/NDF: 73.7/66

In: 26.196+/-61.526 χ^2/NDF:59.2/53

Out: -63.908+/-60.006 χ^2/NDF:81.8/60

All: -19.983+/-42.958 χ^2/NDF: 142.1/114

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: 542.813+/-0.110 χ^2/NDF: 15813748.1/35

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

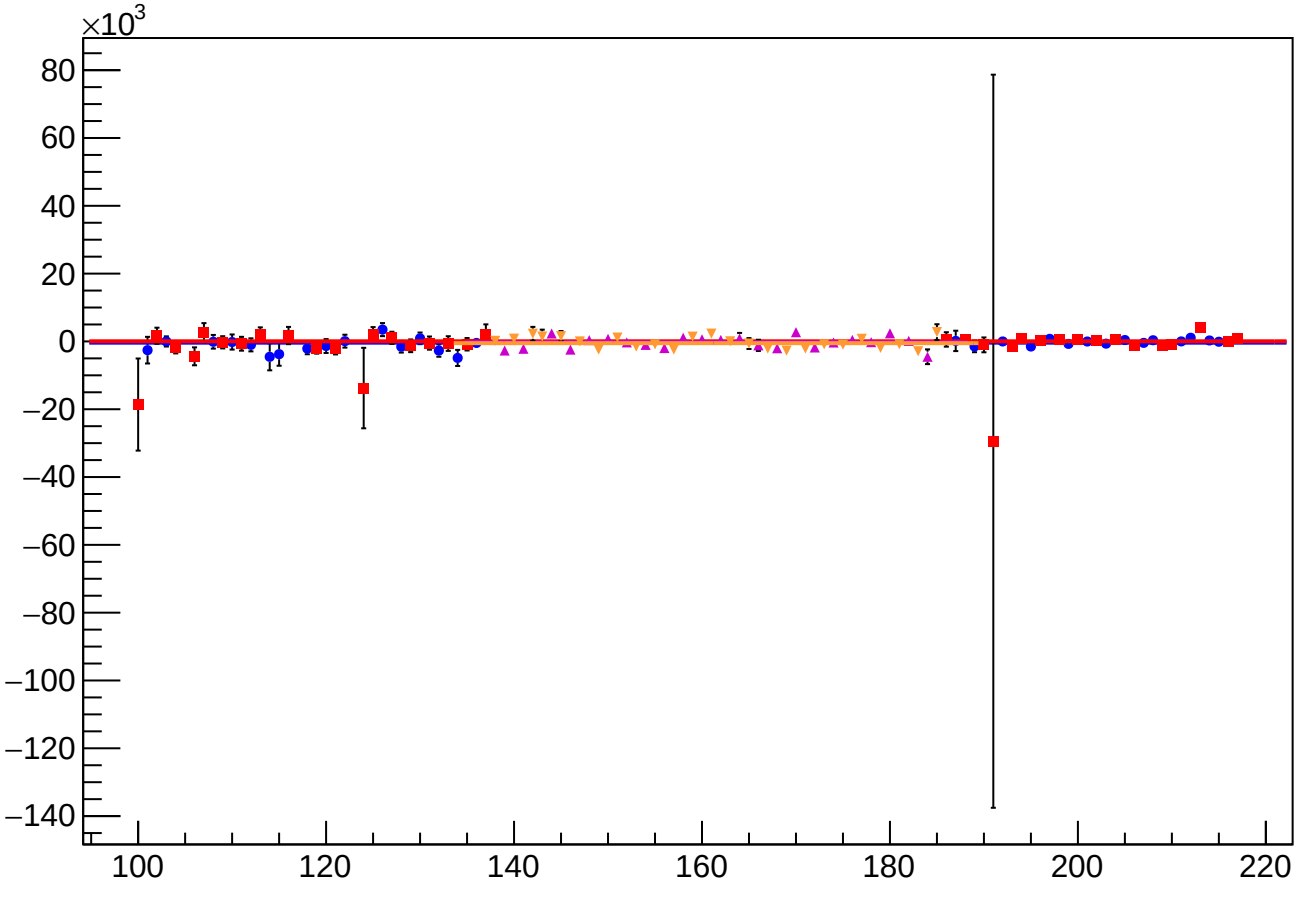
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 534.315+/-0.078 χ^2/NDF: 31093837.4/66

In: 312.095+/-0.044 χ^2/NDF:22641549.1/53

Out: 307.605+/-0.042 χ^2/NDF:25837482.8/60

All: 309.793+/-0.030 χ^2/NDF: 48484491.3/11



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: 38.571+/-286.735 χ^2/NDF: 30.1/35

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

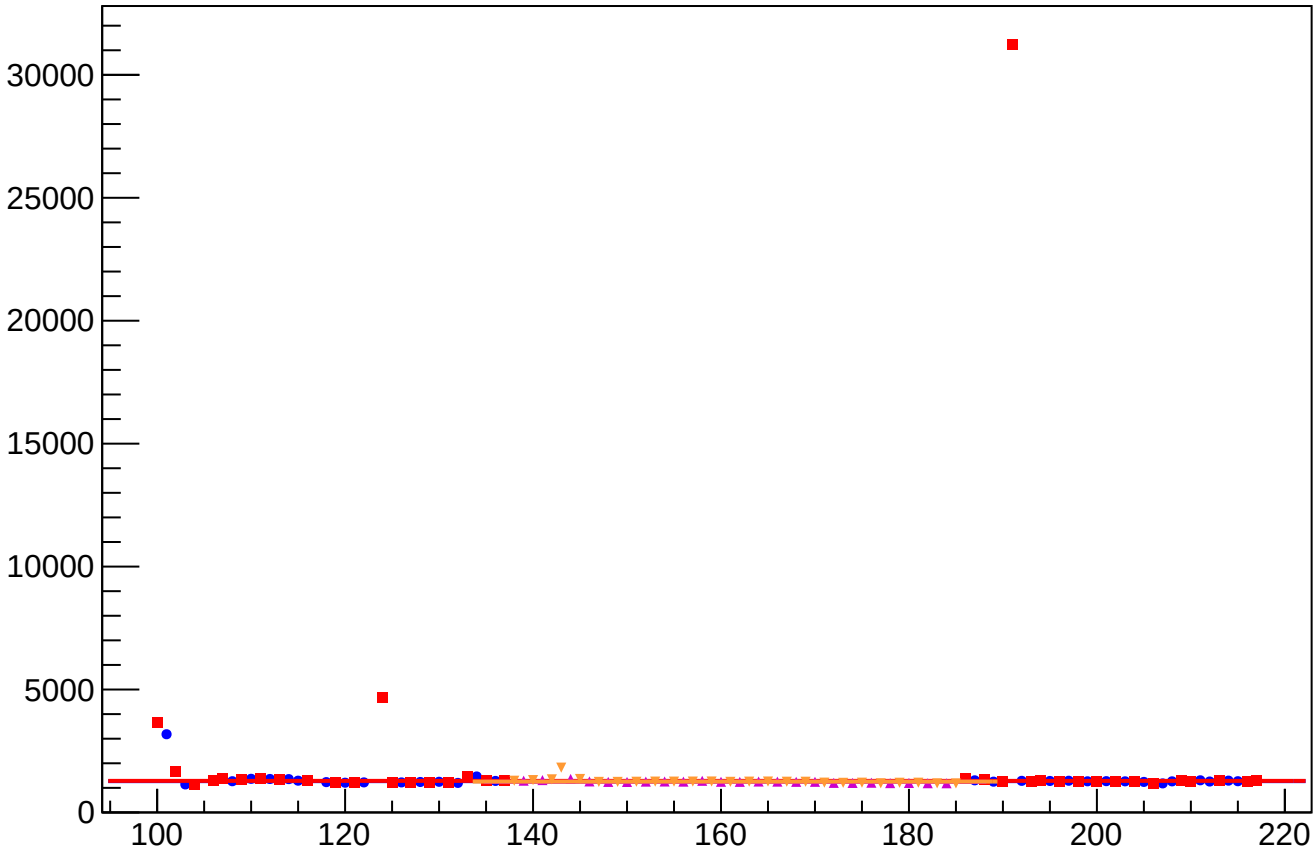
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -157.559+/-204.598 χ^2/NDF: 49.3/66

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -238.693+/-202.472 χ^2/NDF:62.9/60

All: -269.601+/-144.466 χ^2/NDF: 113.3/114



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

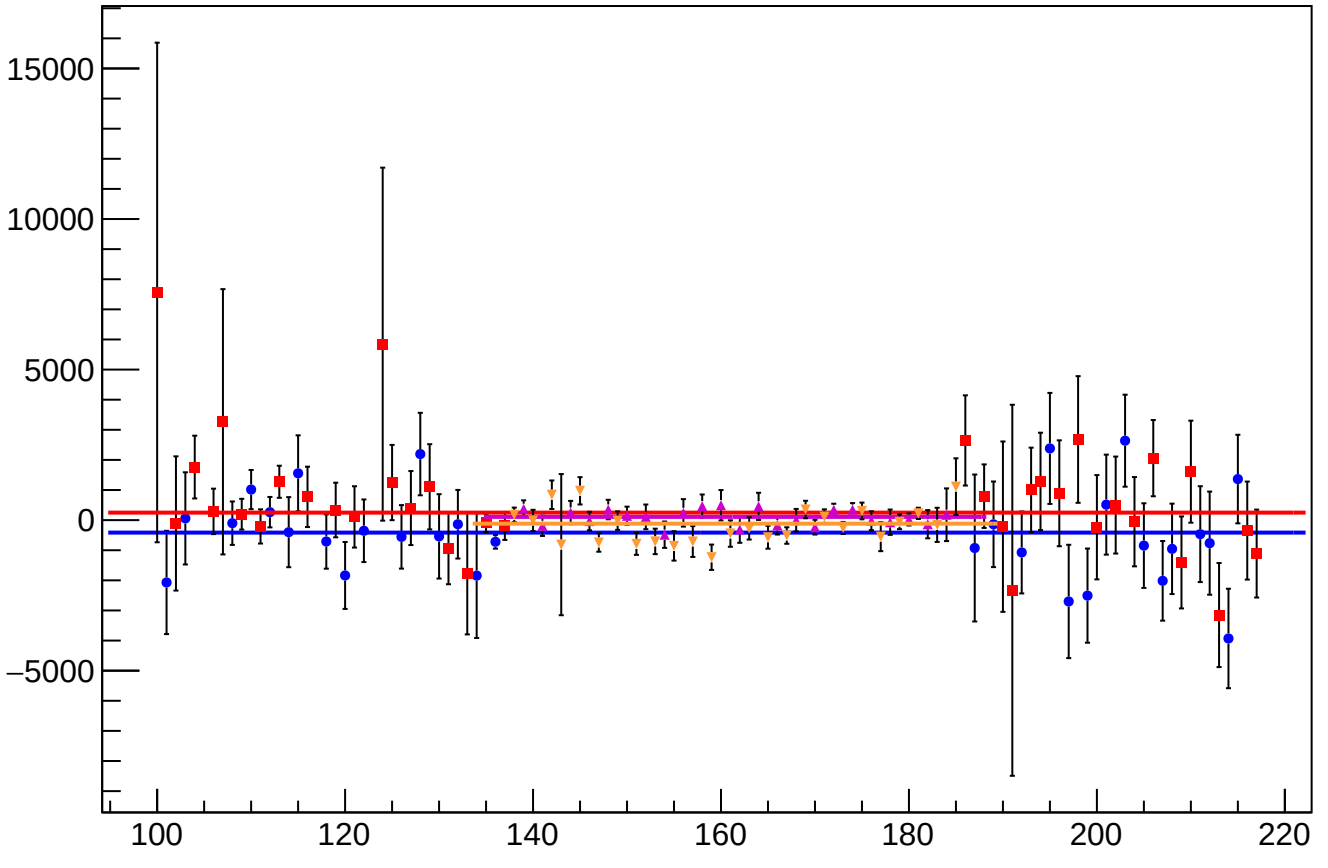
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.902+/-0.145 χ^2/NDF: 1043847.2/66

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.850+/-0.143 χ^2/NDF:721460.8/60

All: 1264.920+/-0.102 χ^2/NDF: 1306463.8/11



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: 249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

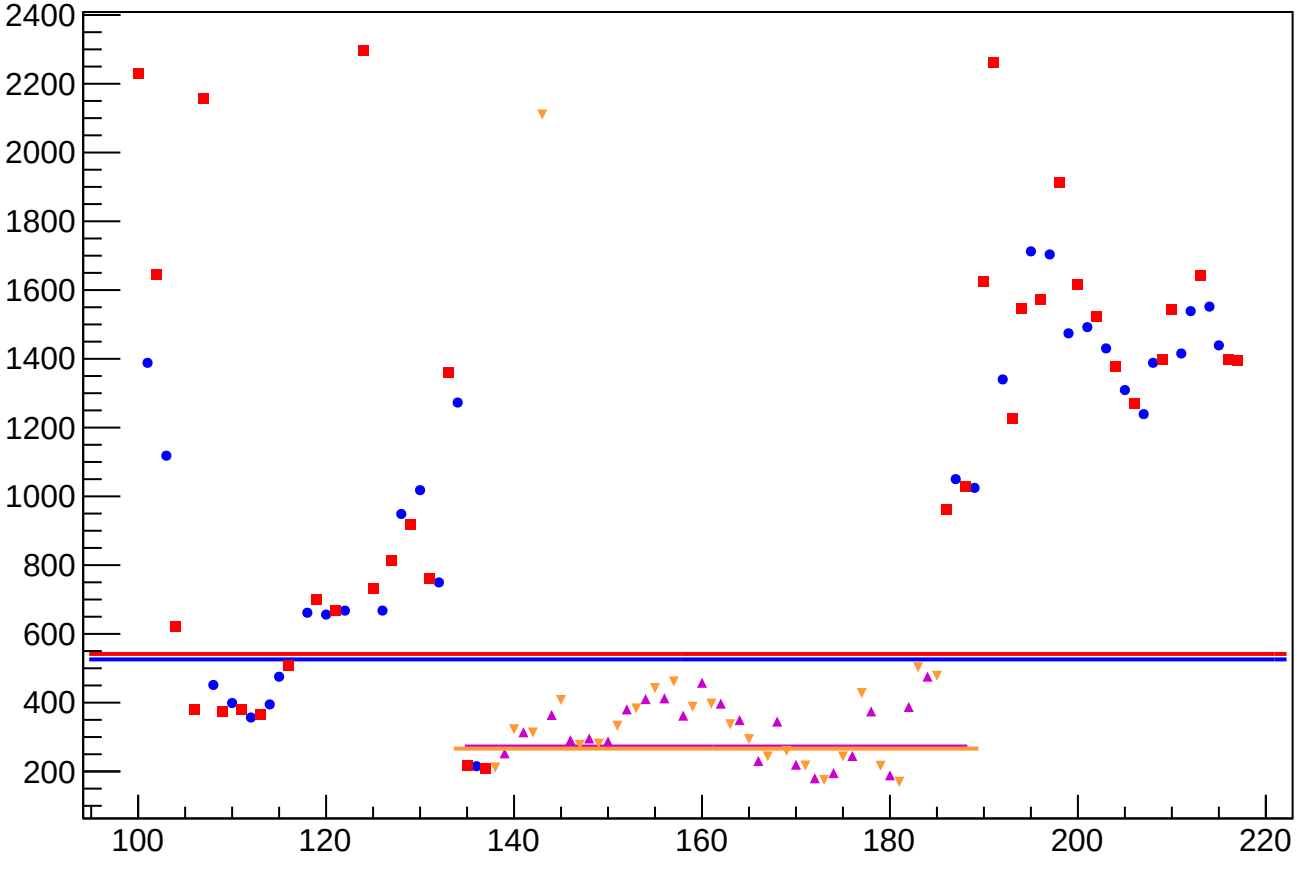
Right: -81.623+/-109.797 χ^2/NDF: 73.2/66

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -62.154+/-59.998 χ^2/NDF:81.4/60

All: -19.330+/-42.956 χ^2/NDF: 141.6/114

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 525.826+/-0.110 χ^2/NDF: 15271071.4/30

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

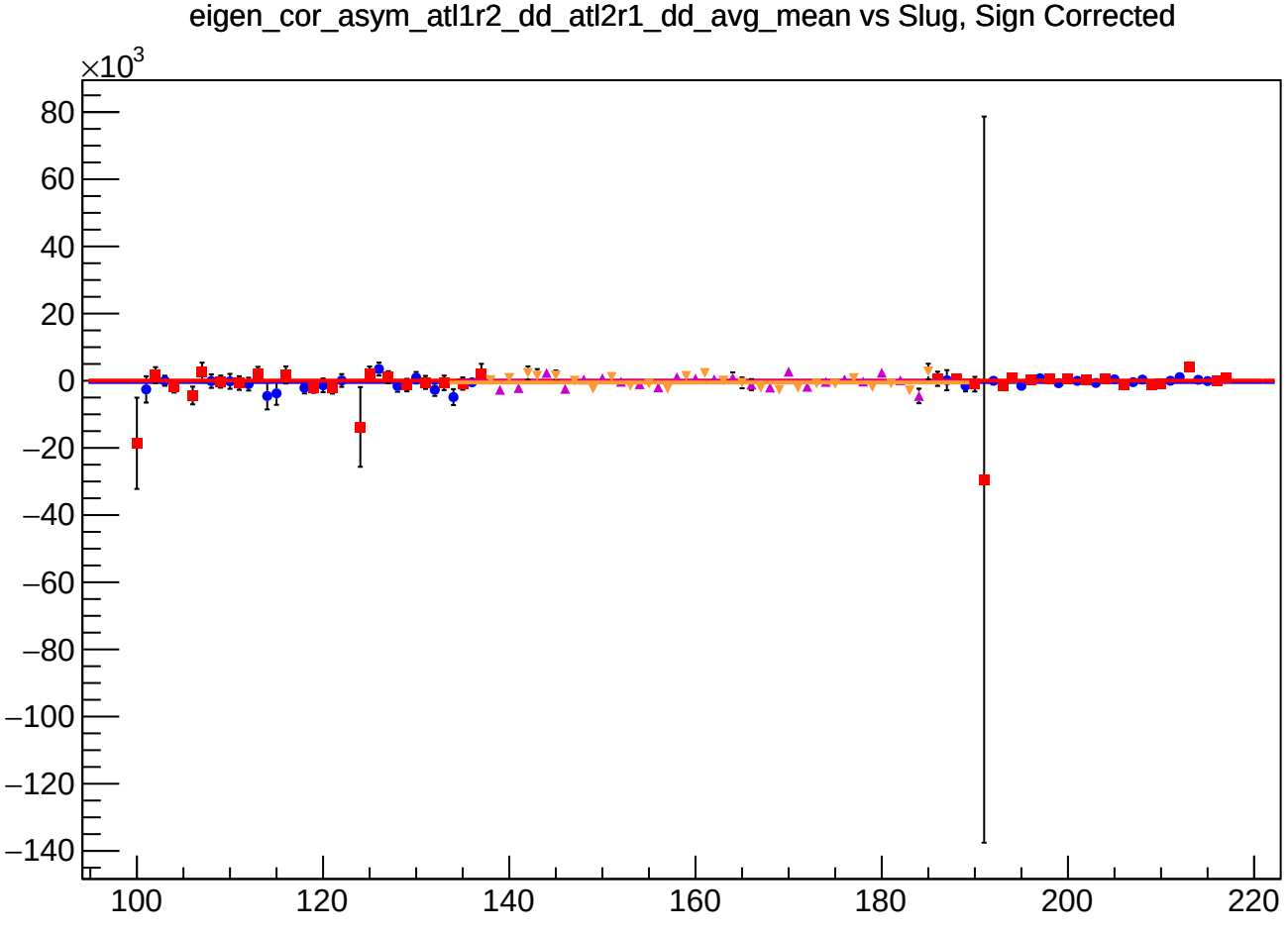
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 533.784+/-0.078 χ^2/NDF: 31125921.0/66

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 307.515+/-0.042 χ^2/NDF:25833975.6/60

All: 309.751+/-0.030 χ^2/NDF: 48483612.3/11



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: 38.571+/-286.735 χ^2/NDF: 30.1/35

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

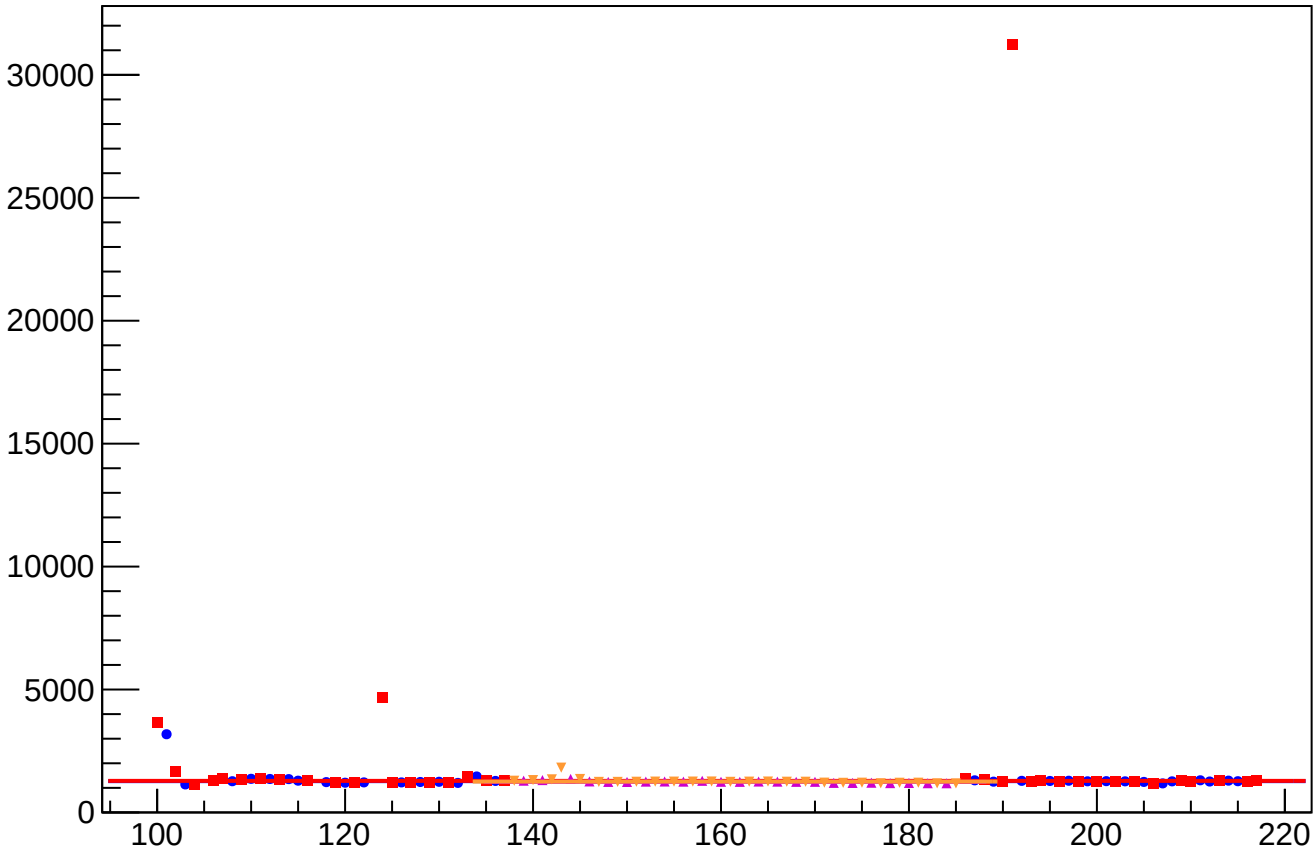
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -157.559+/-204.598 χ^2/NDF: 49.3/66

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -238.693+/-202.472 χ^2/NDF:62.9/60

All: -269.601+/-144.466 χ^2/NDF: 113.3/114



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

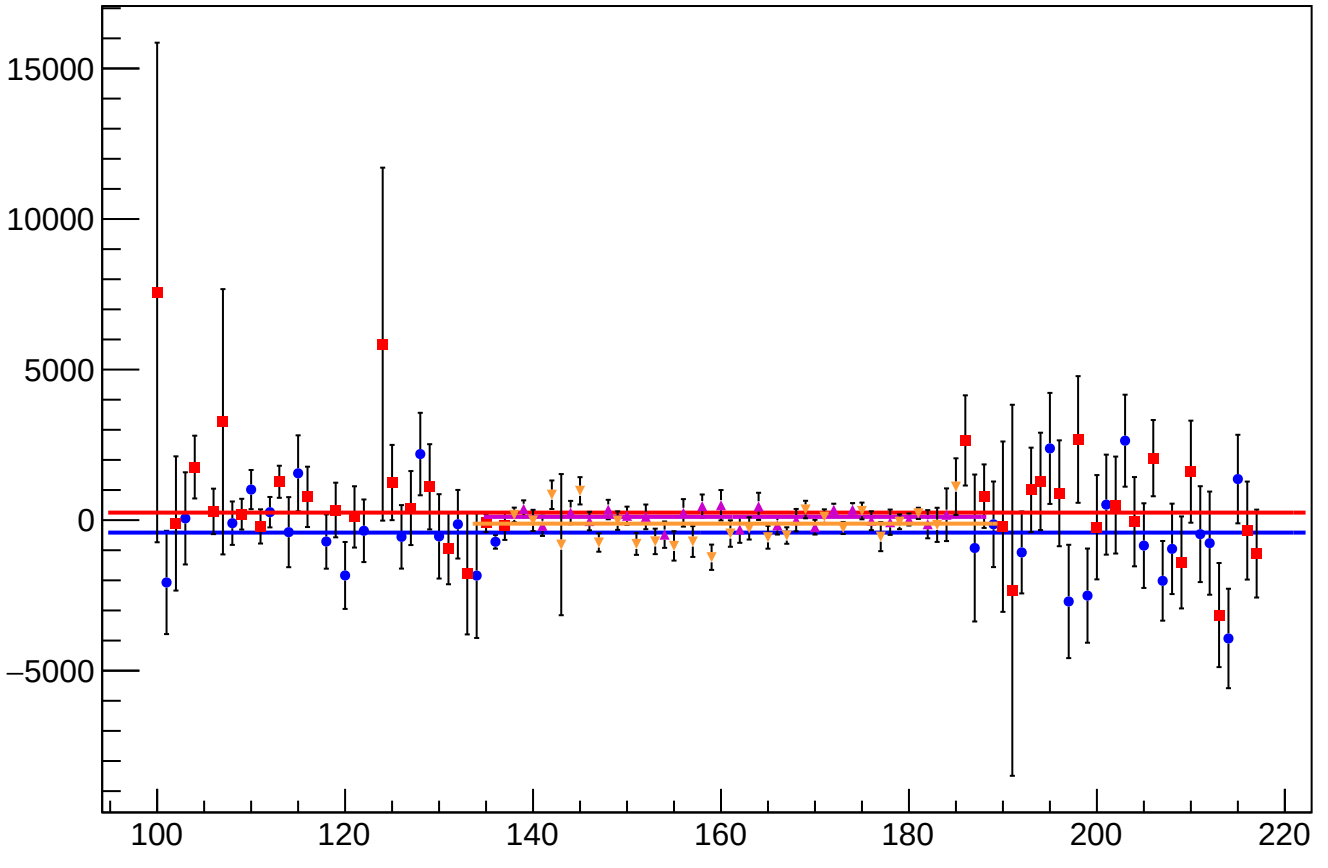
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.902+/-0.145 χ^2/NDF: 1043847.2/66

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.850+/-0.143 χ^2/NDF:721460.8/60

All: 1264.920+/-0.102 χ^2/NDF: 1306463.8/11



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: 249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

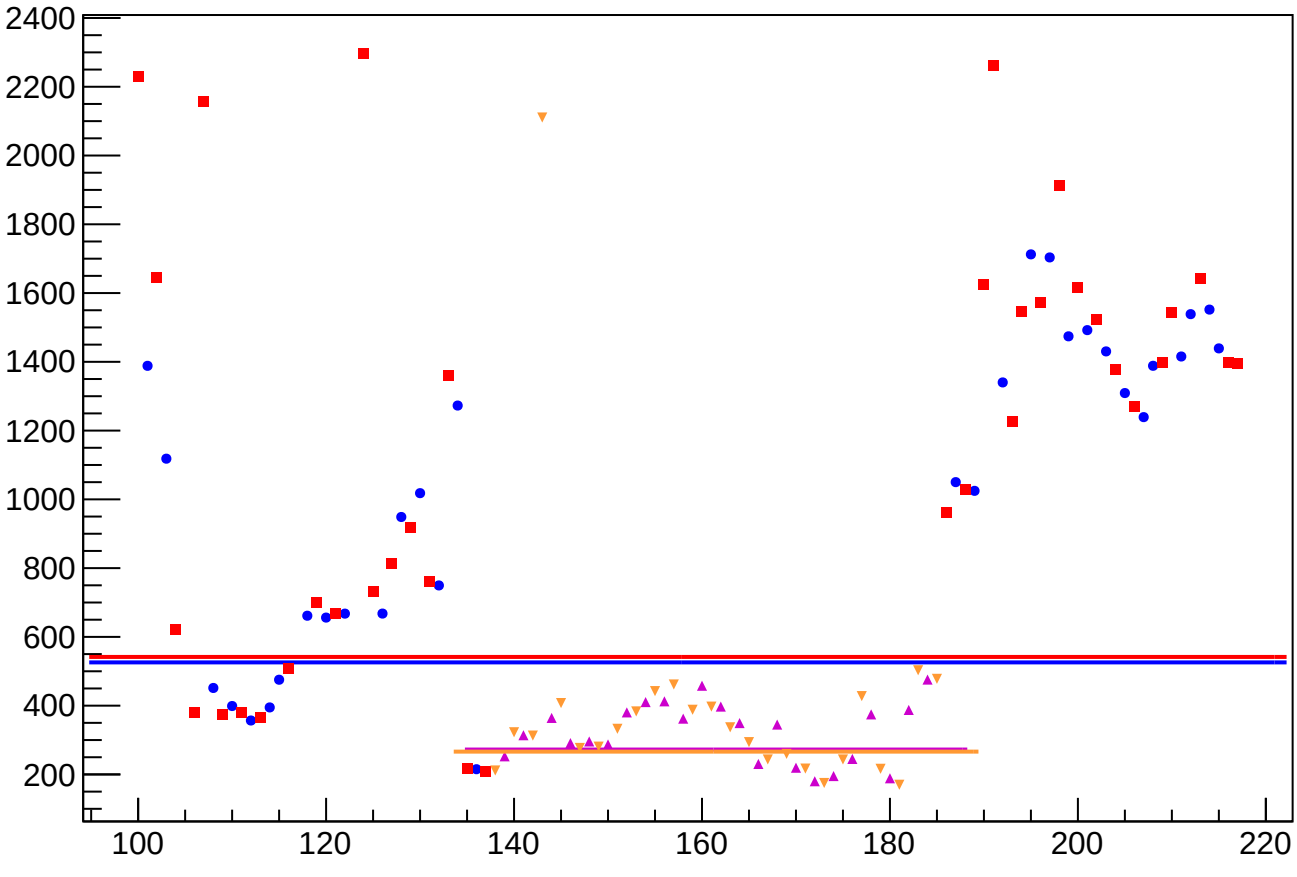
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -81.623+/-109.797 χ^2/NDF: 73.2/66

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -62.154+/-59.998 χ^2/NDF:81.4/60

All: -19.330+/-42.956 χ^2/NDF: 141.6/114



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: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

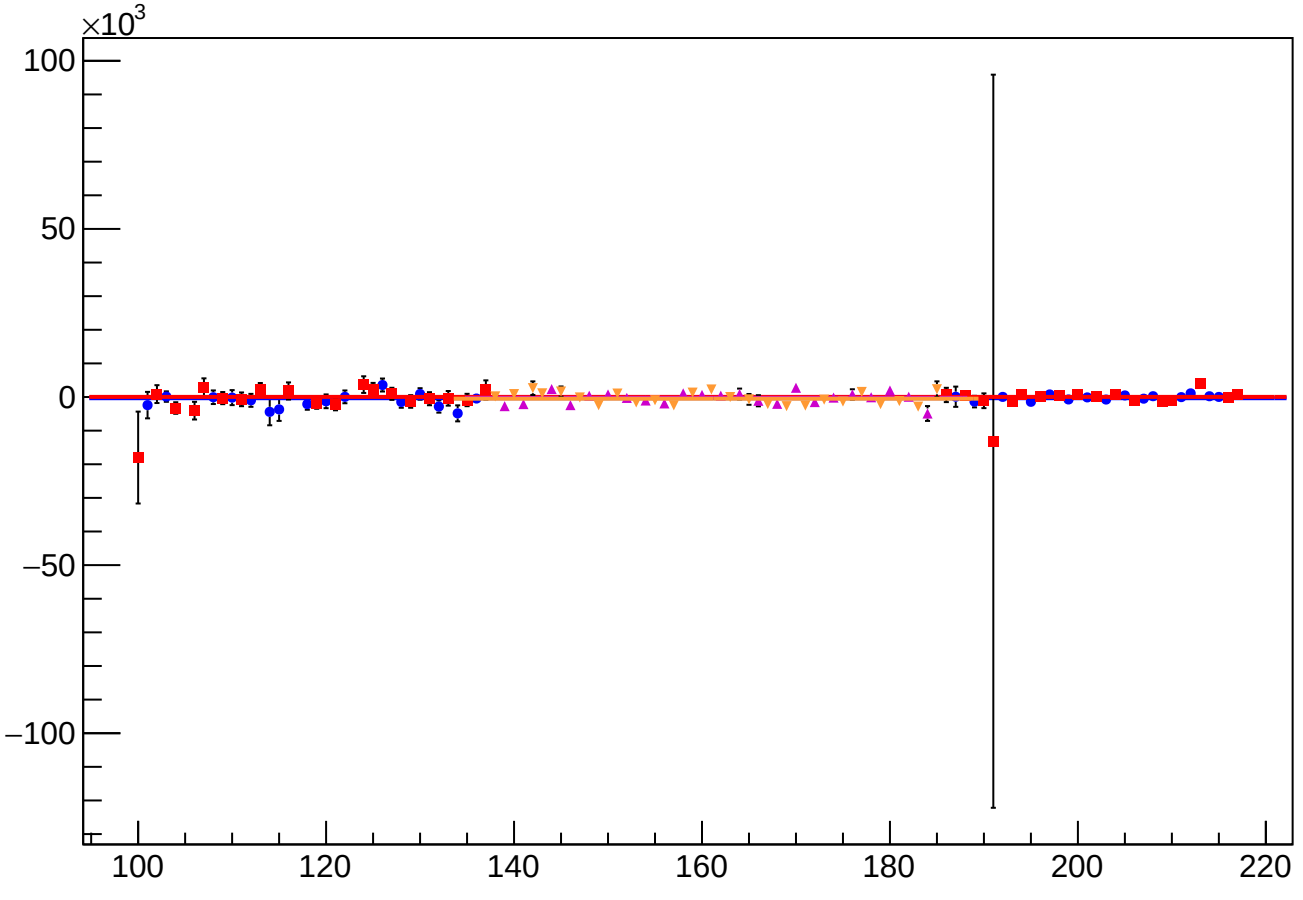
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 533.784+/-0.078 χ^2/NDF: 31125921.0/66

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 307.515+/-0.042 χ^2/NDF:25833975.6/60

All: 309.751+/-0.030 χ^2/NDF: 48483612.3/1



Right In: -352.361+/-292.805 χ^2/NDF: 18.2/30

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 39.237+/-286.290 χ^2/NDF: 32.0/35

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

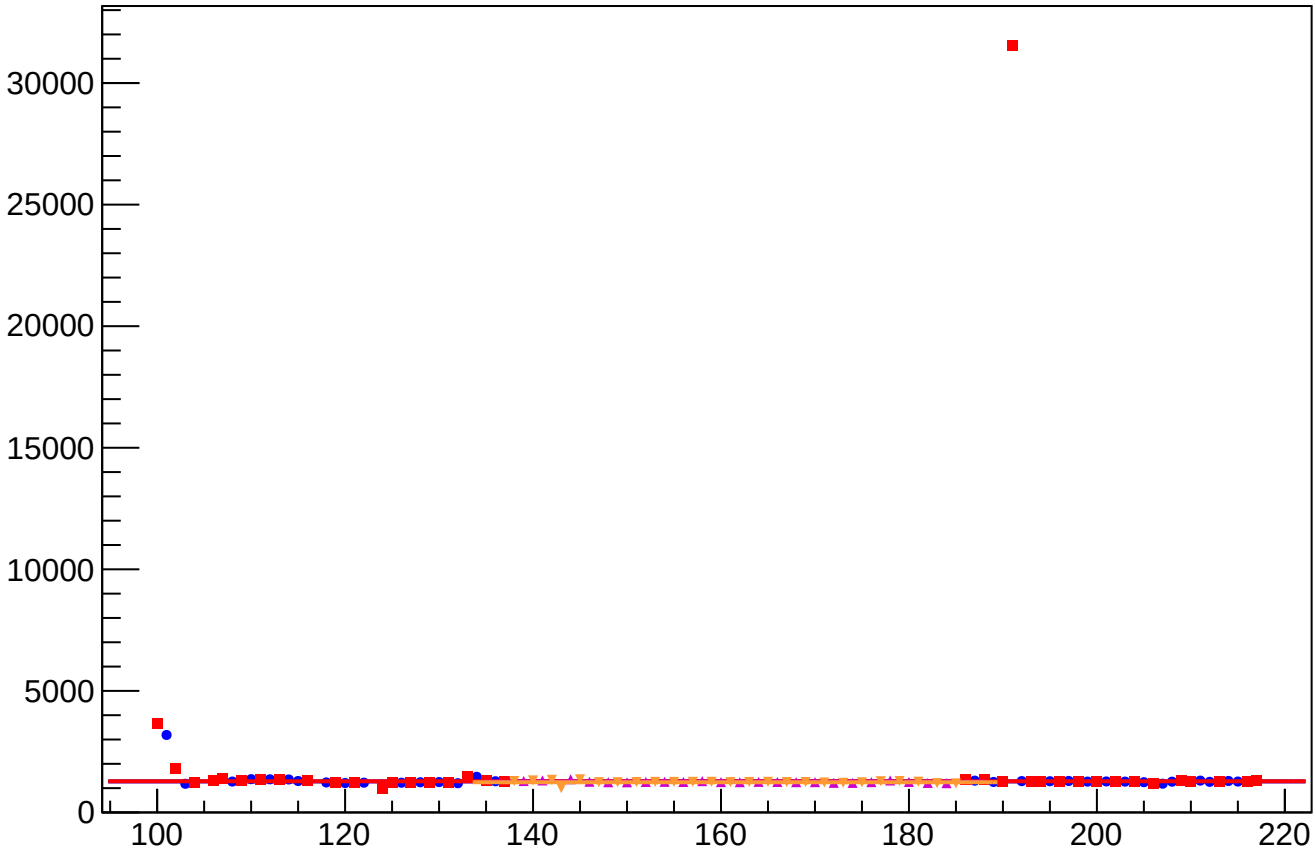
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -152.157+/-204.702 χ^2/NDF: 51.1/66

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -230.428+/-201.168 χ^2/NDF:68.0/60

All: -262.897+/-144.463 χ^2/NDF: 117.0/114



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1282.328+/-0.202 χ^2/NDF: 388682.7/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

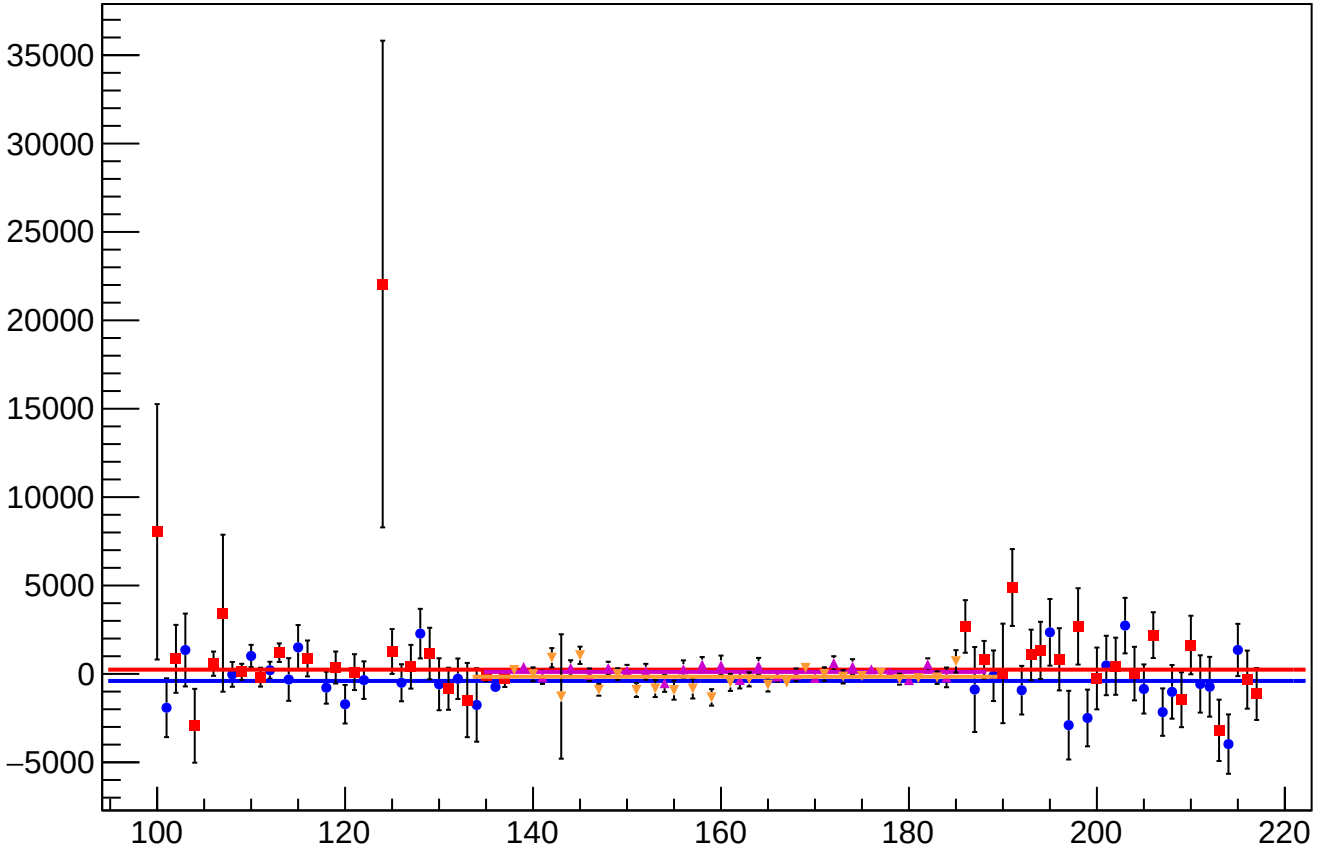
Right: 1279.628+/-0.145 χ^2/NDF: 915816.1/66

In: 1268.492+/-0.147 χ^2/NDF:557941.2/53

Out: 1262.185+/-0.142 χ^2/NDF:538262.3/60

All: 1265.240+/-0.102 χ^2/NDF: 1097155.8/11

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: 240.820+/-155.221 χ^2/NDF: 35.0/35

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

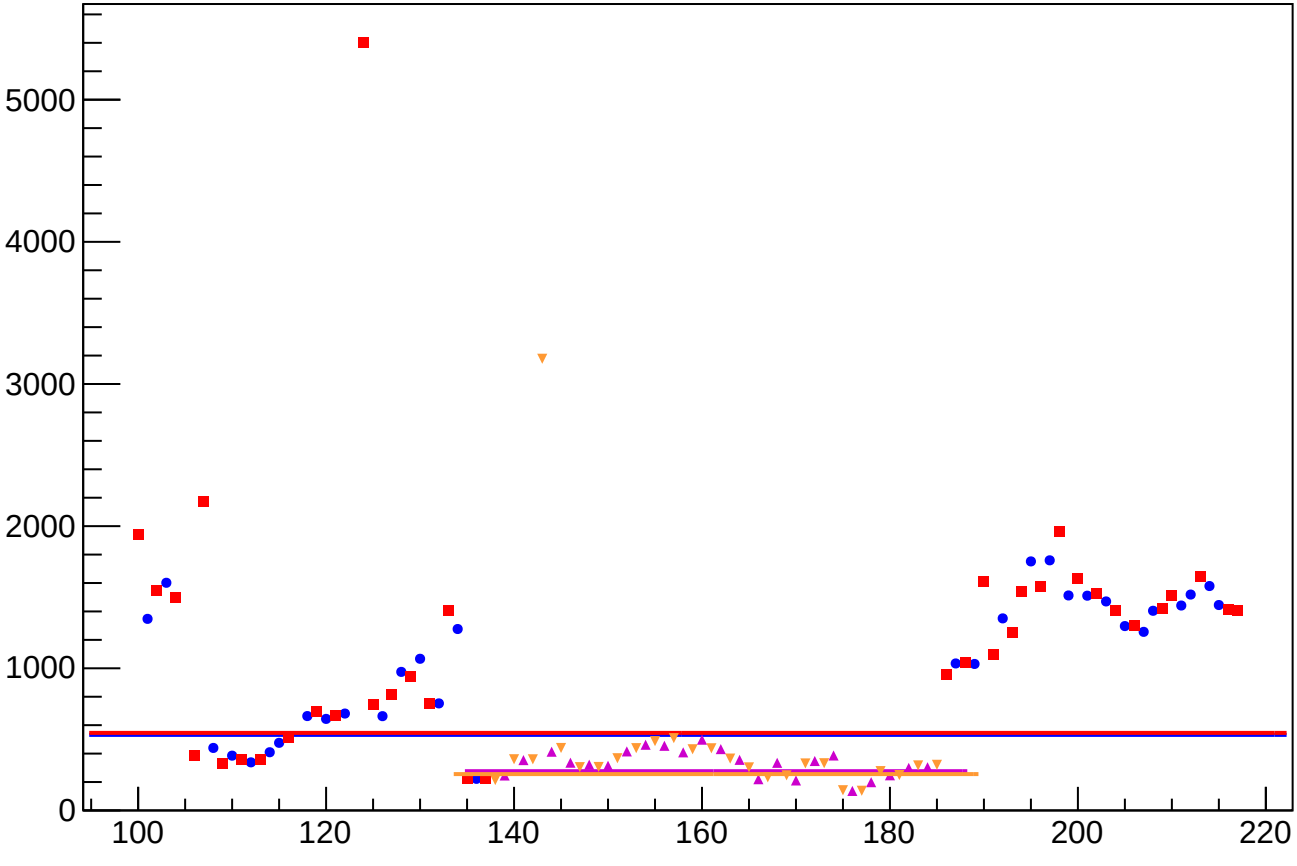
Right: -74.694+/-110.395 χ^2/NDF: 79.8/66

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -102.348+/-59.273 χ^2/NDF:84.5/60

All: -39.648+/-43.185 χ^2/NDF: 150.4/114

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: 545.650+/-0.110 χ^2/NDF: 16355148.3/35

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

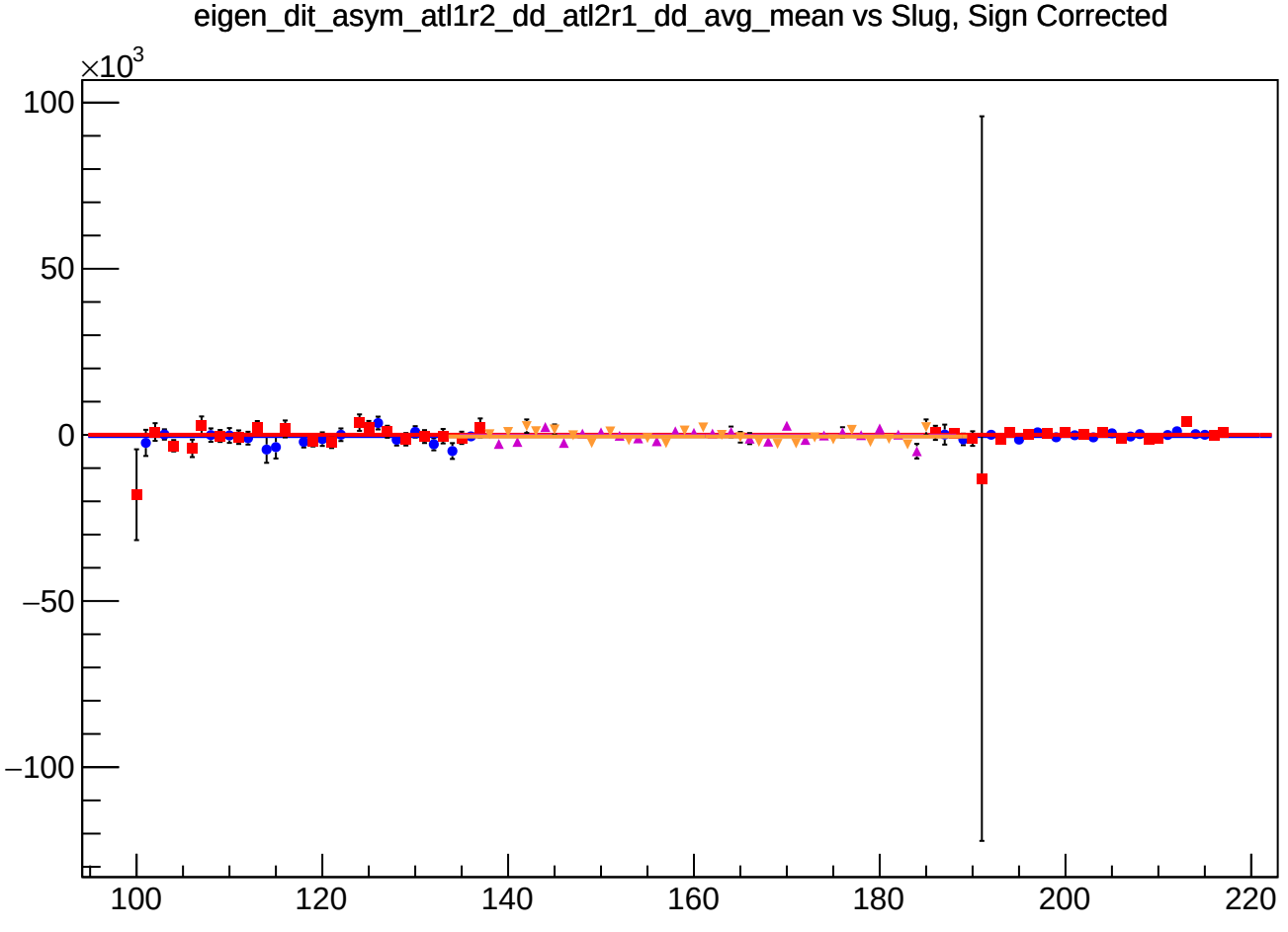
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 538.710+/-0.078 χ^2/NDF: 31770839.9/66

In: 317.452+/-0.045 χ^2/NDF:23869134.2/53

Out: 298.038+/-0.042 χ^2/NDF:28687387.3/60

All: 307.146+/-0.031 χ^2/NDF: 52657179.7/11



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: 39.236+/-286.290 χ^2/NDF: 32.0/35

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

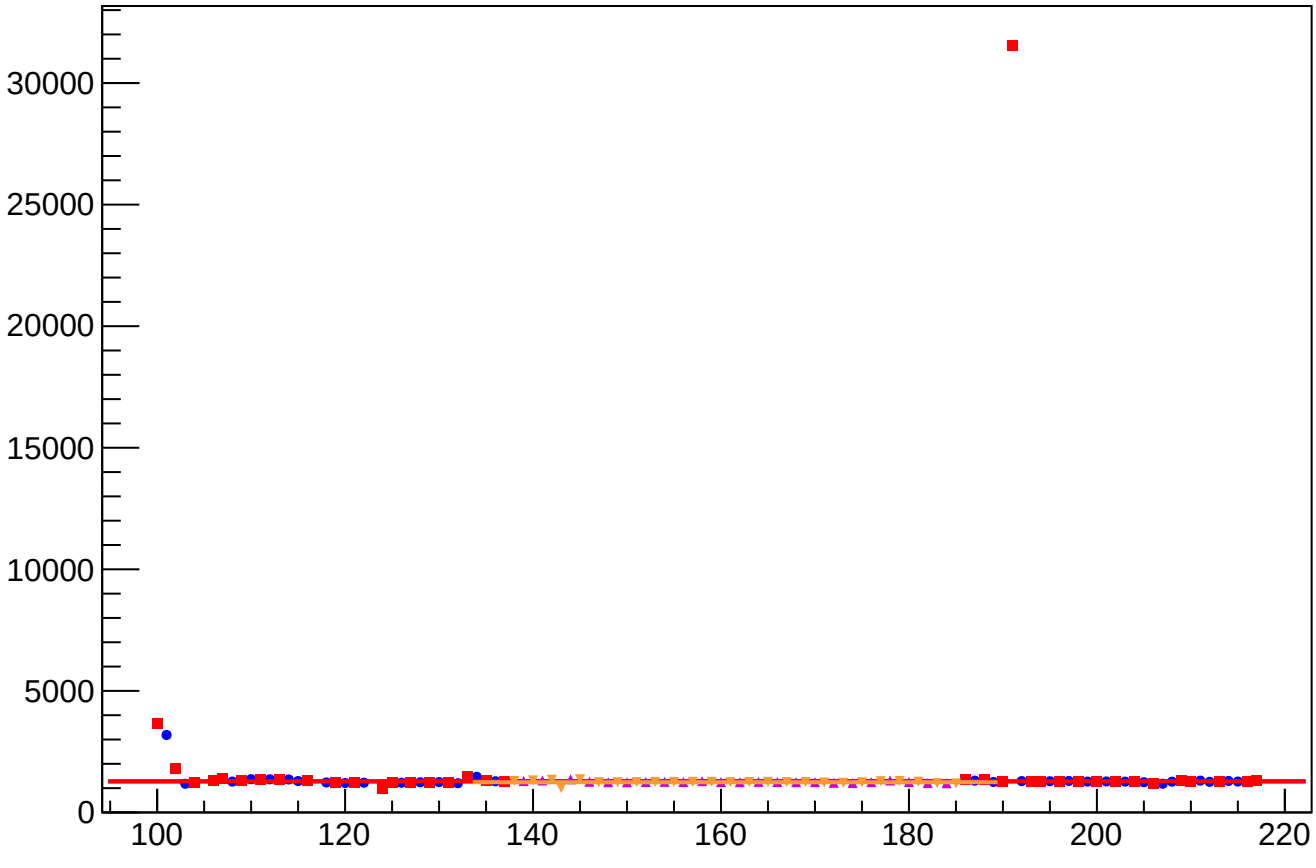
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -152.157+/-204.702 χ^2/NDF: 51.1/66

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -230.428+/-201.168 χ^2/NDF:68.0/60

All: -262.897+/-144.463 χ^2/NDF: 117.0/114



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1282.327+/-0.202 χ^2/NDF: 388683.0/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

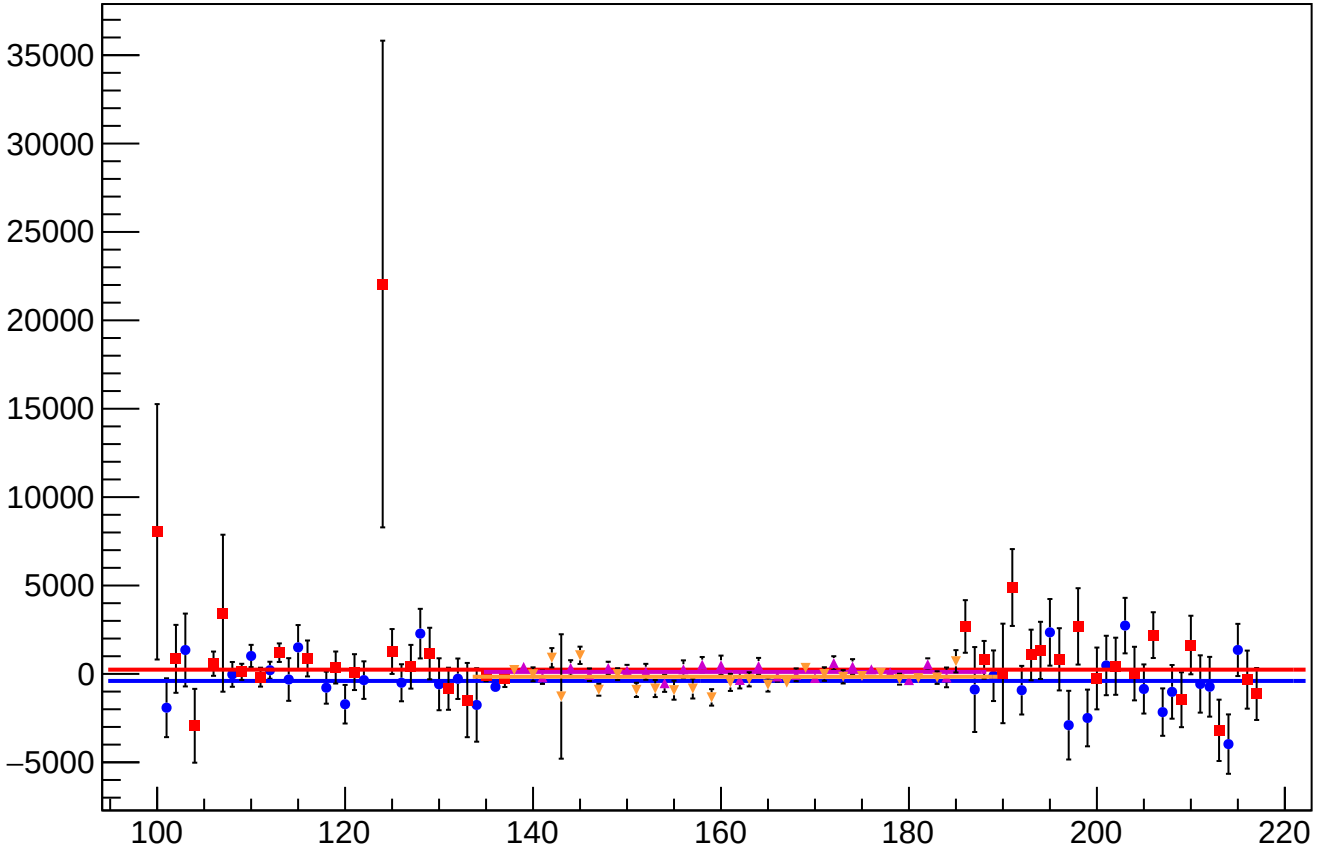
Right: 1279.628+/-0.145 χ^2/NDF: 915816.4/66

In: 1268.492+/-0.147 χ^2/NDF:557941.3/53

Out: 1262.185+/-0.142 χ^2/NDF:538261.8/60

All: 1265.240+/-0.102 χ^2/NDF: 1097155.3/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -397.643+/-157.041 χ^2/NDF: 36.4/30

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 240.827+/-155.223 χ^2/NDF: 35.0/35

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

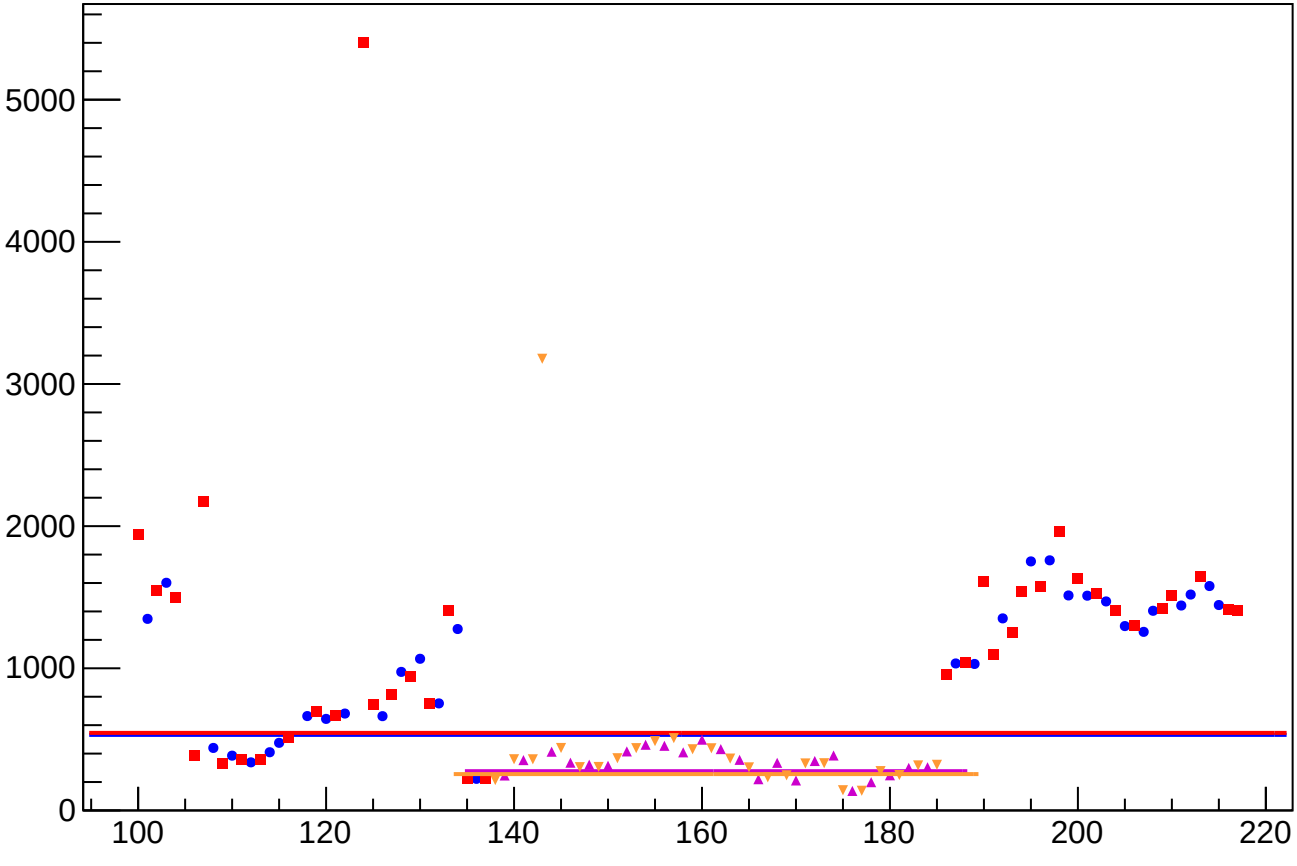
Right: -74.690+/-110.396 χ^2/NDF: 79.8/66

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -102.350+/-59.273 χ^2/NDF:84.5/60

All: -39.649+/-43.186 χ^2/NDF: 150.4/114

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: 545.661+/-0.110 χ^2/NDF: 16354804.0/35

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

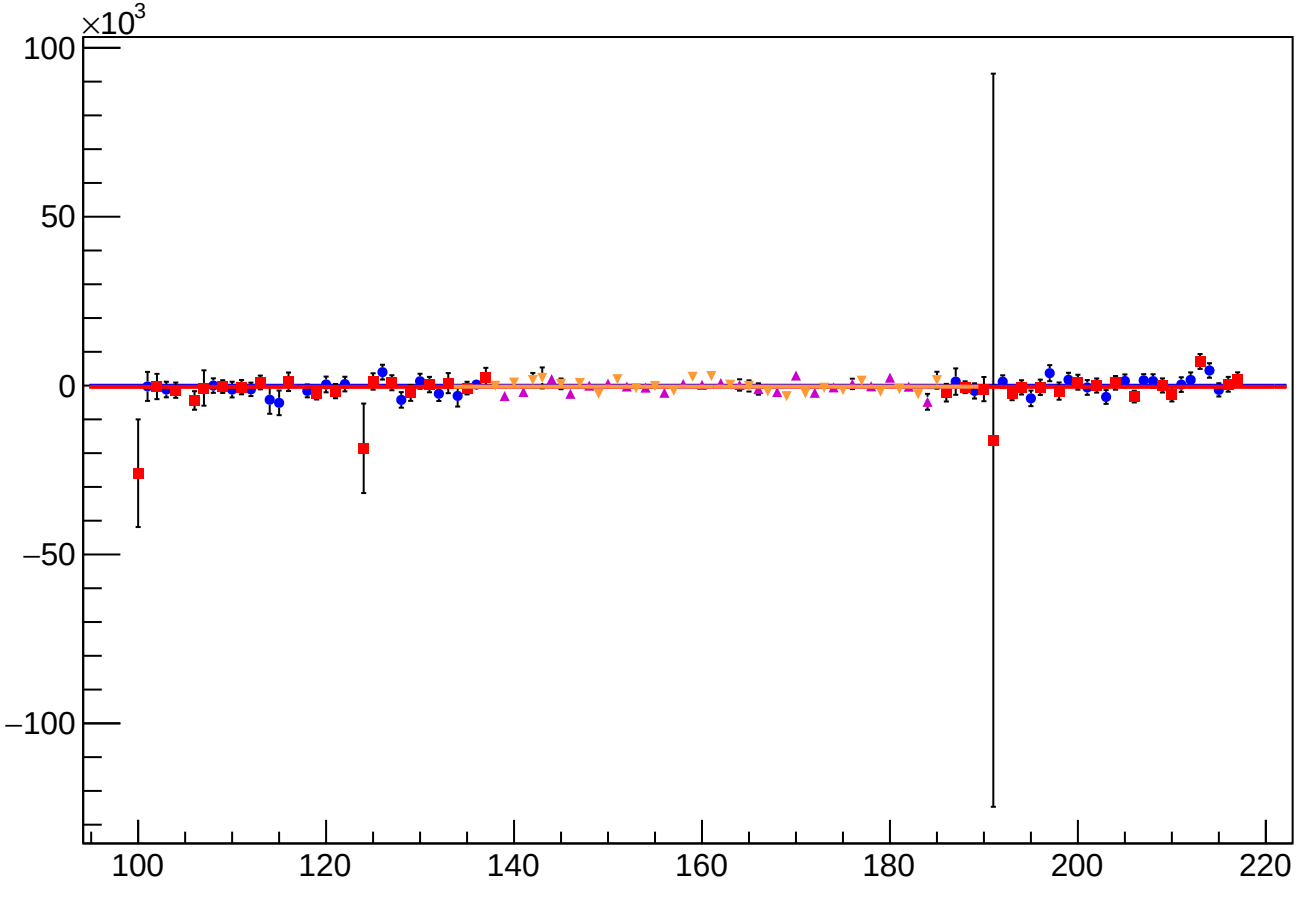
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 538.722+/-0.078 χ^2/NDF: 31770045.0/66

In: 317.453+/-0.045 χ^2/NDF:23868971.0/53

Out: 298.040+/-0.042 χ^2/NDF:28687184.0/60

All: 307.148+/-0.031 χ^2/NDF: 52656807.6/11



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: -376.597+/-389.381 χ^2/NDF: 30.7/35

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

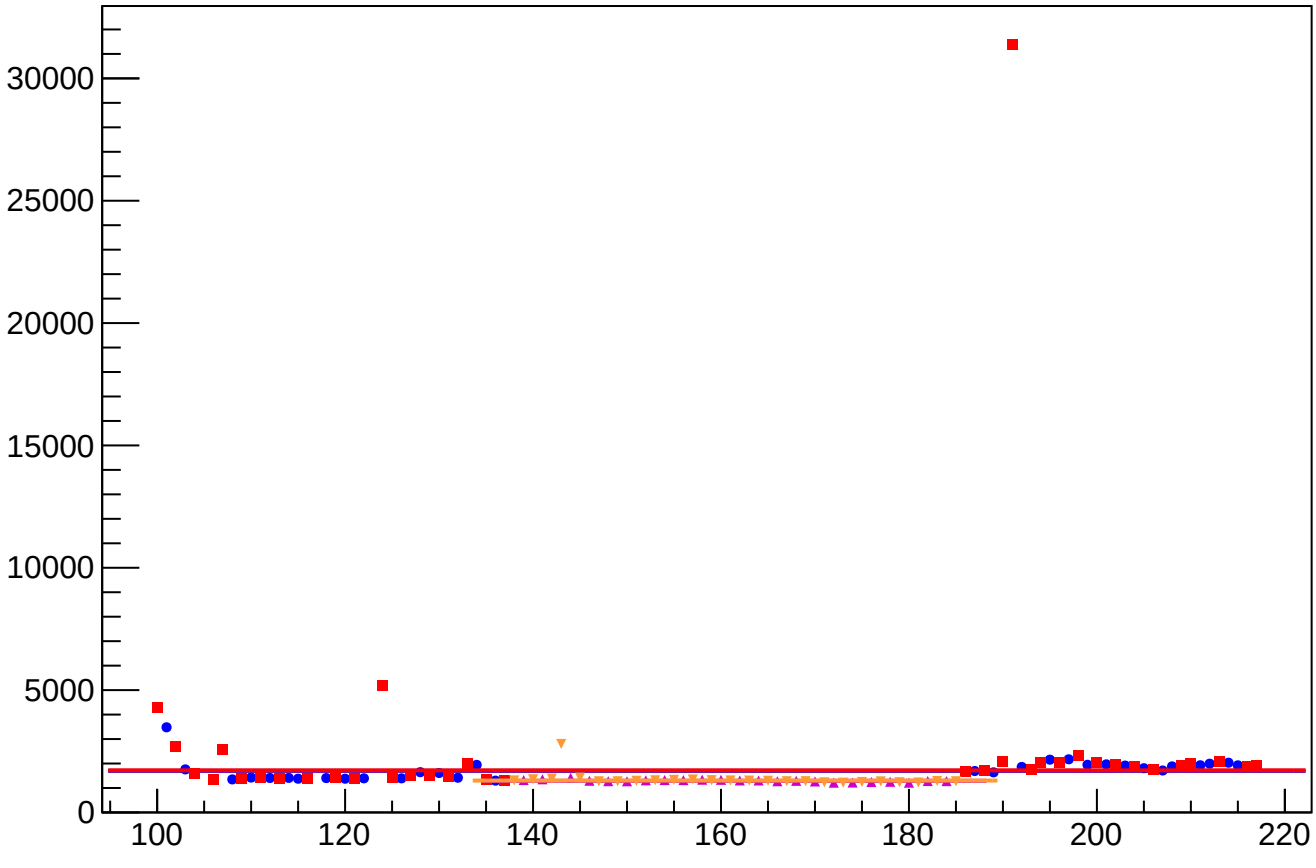
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -213.734+/-277.099 χ^2/NDF: 61.3/66

In: -241.950+/-239.735 χ^2/NDF:60.3/53

Out: -340.768+/-236.784 χ^2/NDF:62.3/60

All: -291.970+/-168.465 χ^2/NDF: 122.6/114



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: 1720.339+/-0.275 χ^2/NDF: 1537129.1/35

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

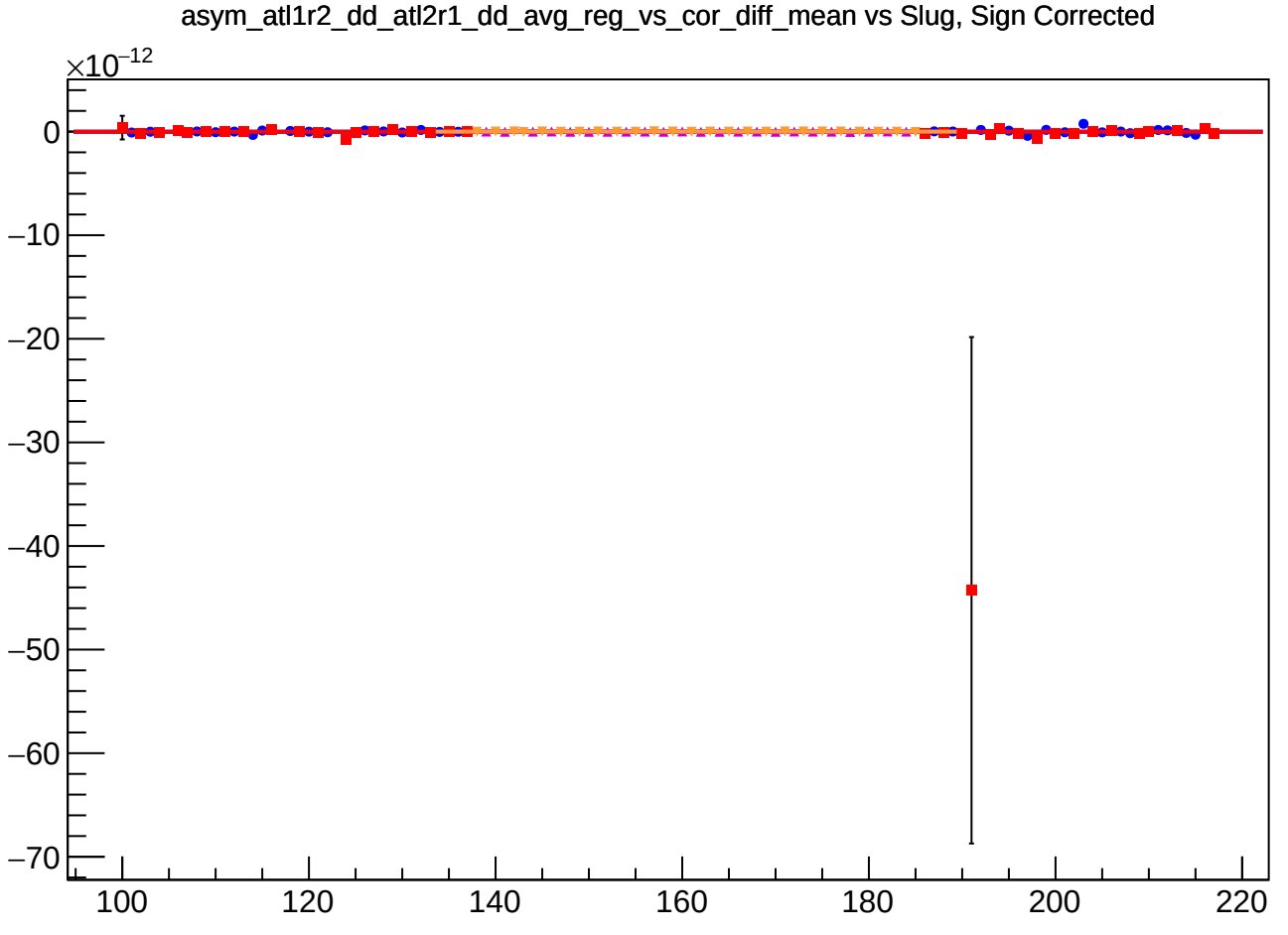
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1710.897+/-0.196 χ^2/NDF: 2819483.3/66

In: 1443.254+/-0.170 χ^2/NDF:2684952.3/53

Out: 1458.057+/-0.167 χ^2/NDF:3496649.6/60

All: 1450.747+/-0.119 χ^2/NDF: 6185462.2/11



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: 43.7/35

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

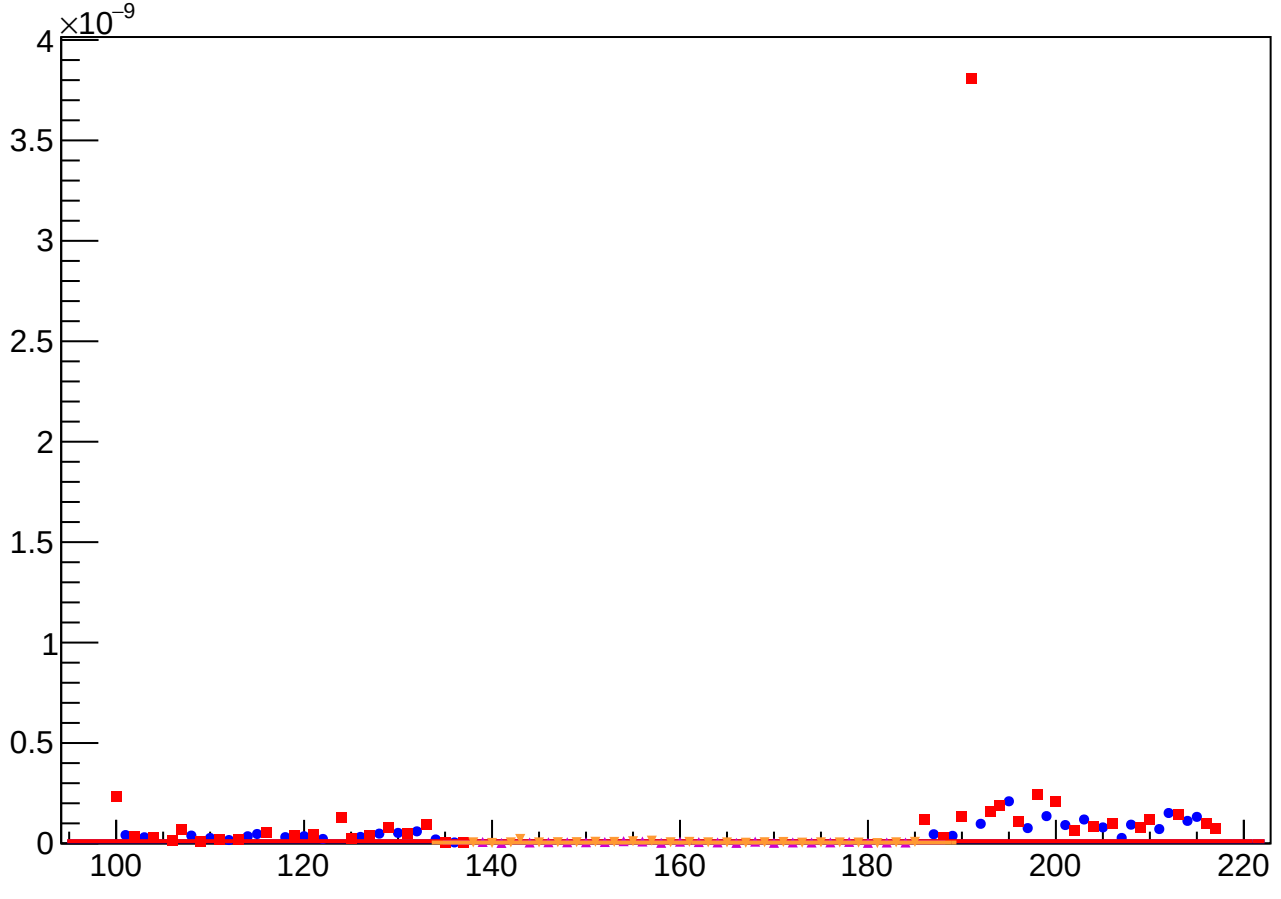
Right: -0.000+/-0.000 χ^2/NDF: 77.9/66

In: -0.000+/-0.000 χ^2/NDF:65.8/53

Out: -0.000+/-0.000 χ^2/NDF:70.9/60

All: -0.000+/-0.000 χ^2/NDF: 137.0/114

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: 12261856.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

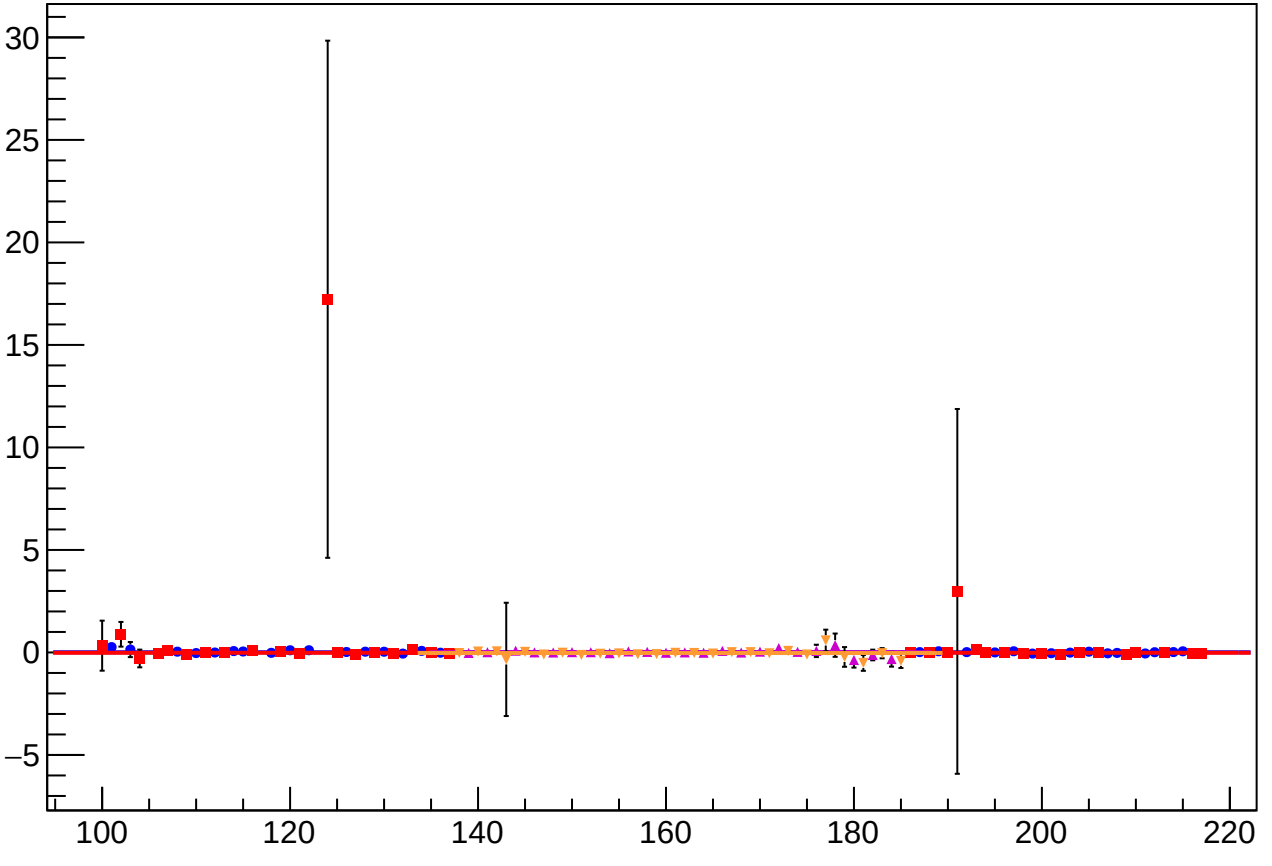
Right: 0.000+/-0.000 χ^2/NDF: 22491704.5/66

In: 0.000+/-0.000 χ^2/NDF:13293983.0/53

Out: 0.000+/-0.000 χ^2/NDF:16430213.8/60

All: 0.000+/-0.000 χ^2/NDF: 29753204.9/114

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

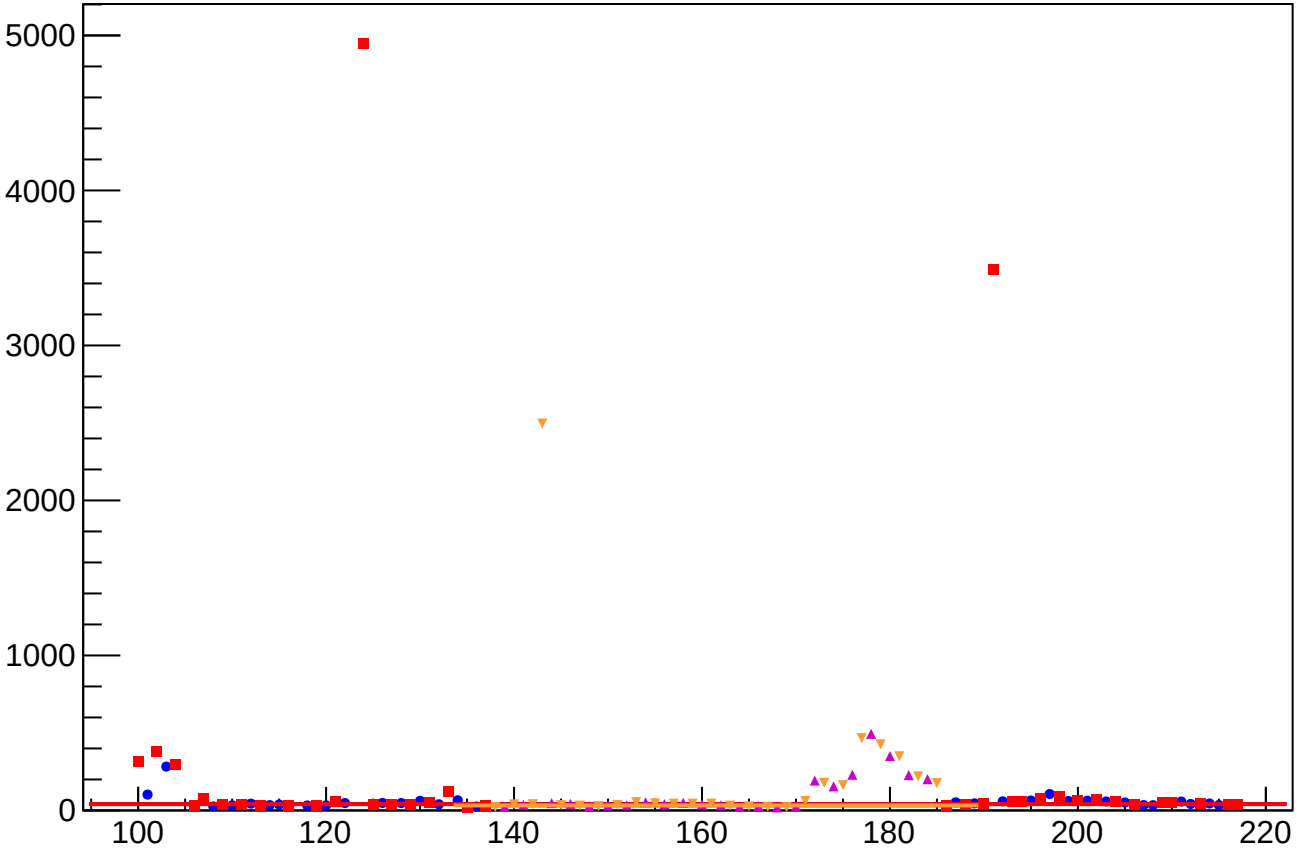
Right: -0.003+/-0.007 χ^2/NDF: 48.4/66

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.2/114

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: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

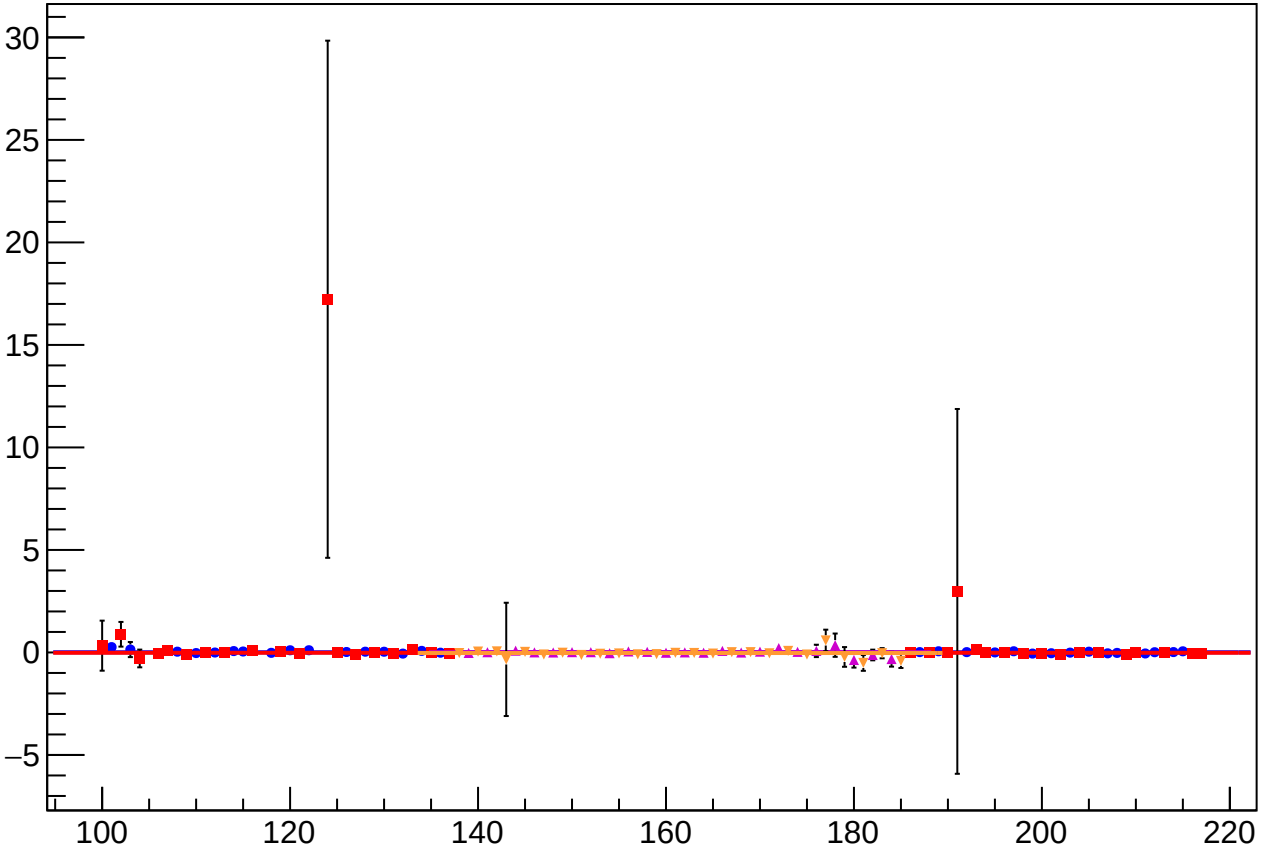
Right: 41.127+/-0.005 χ^2/NDF: 9853710.0/66

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.410+/-0.005 χ^2/NDF:17133905.3/60

All: 36.451+/-0.004 χ^2/NDF: 31117885.0/114

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

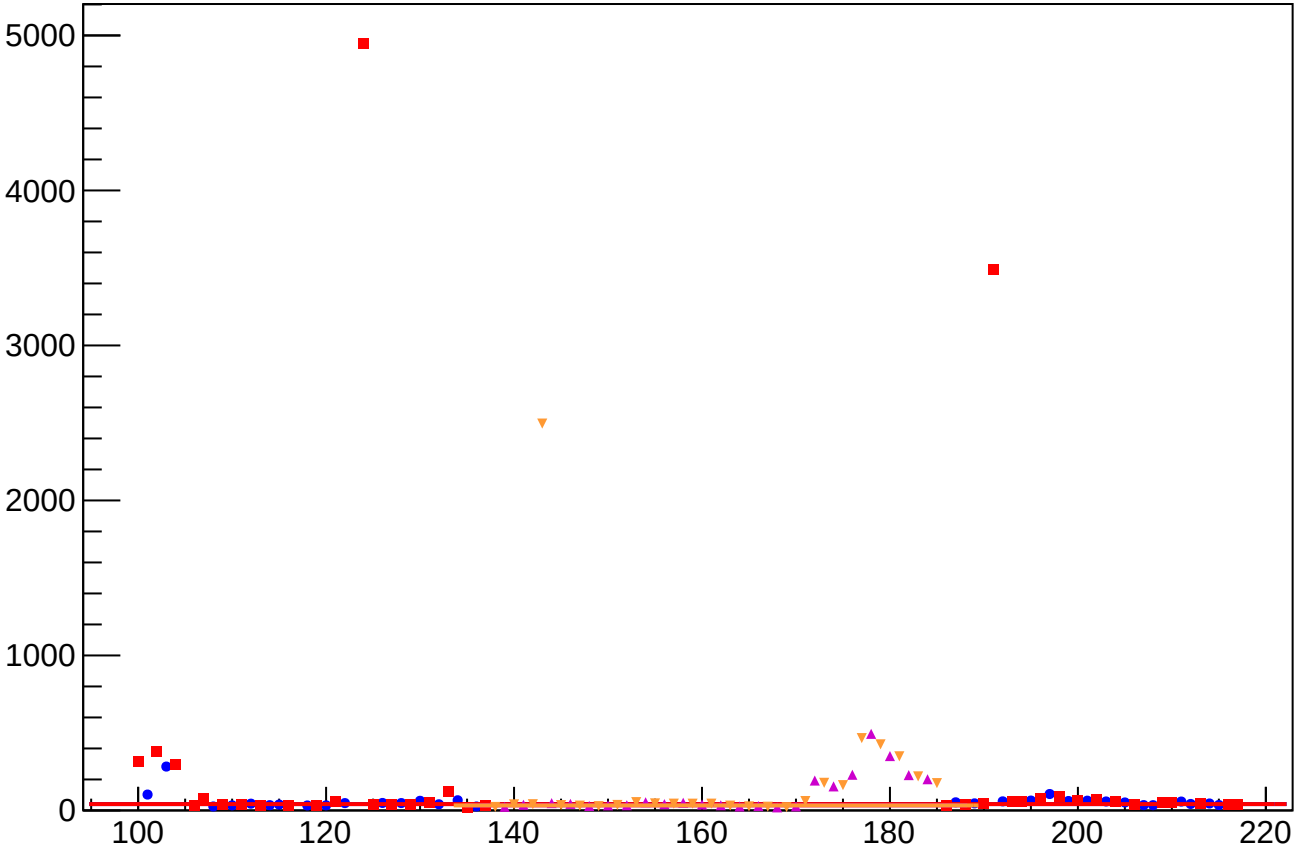
Right: -0.003+/-0.007 χ^2/NDF: 48.4/66

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.2/114

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: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

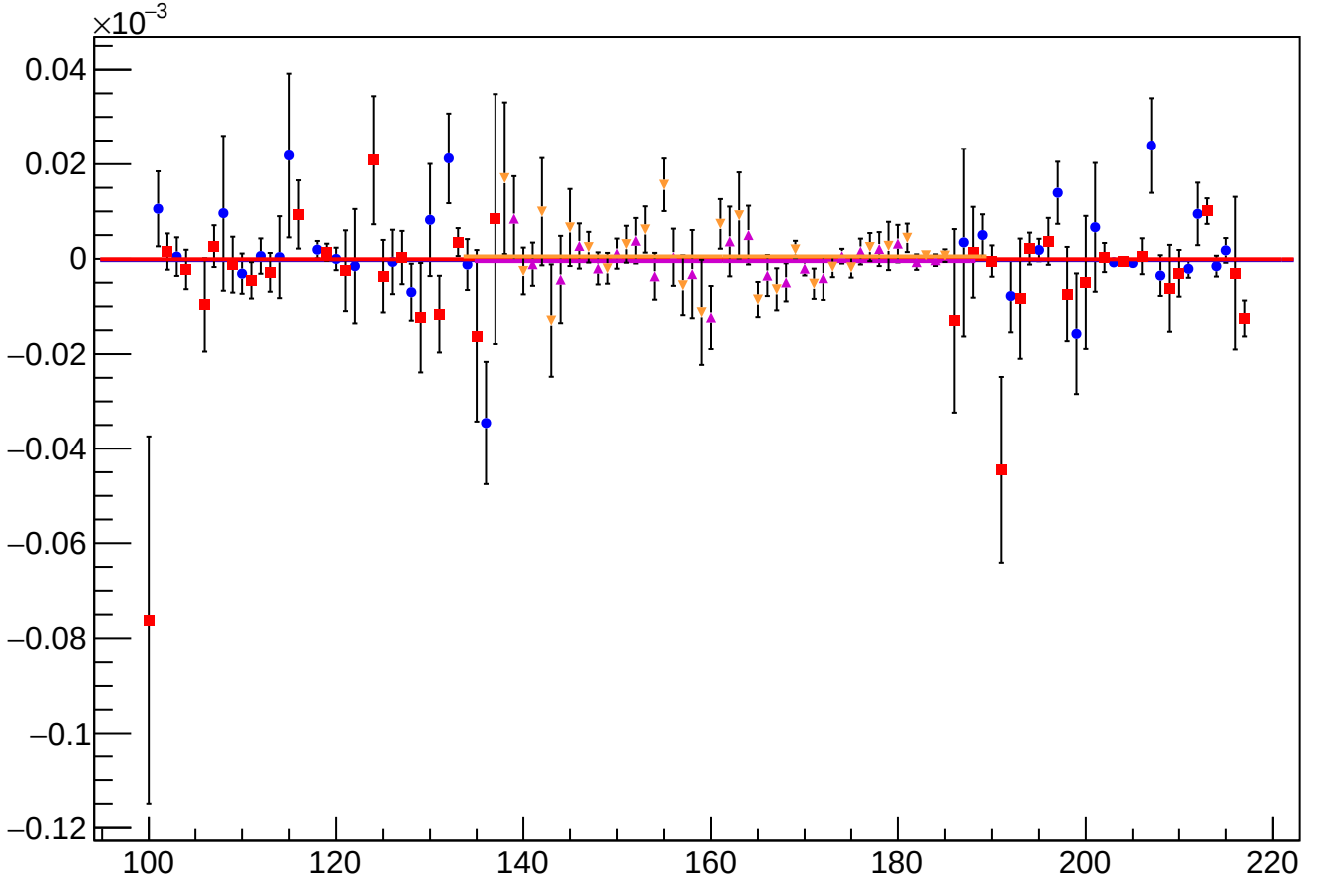
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.127+/-0.005 χ^2/NDF: 9853710.0/66

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.410+/-0.005 χ^2/NDF:17133905.3/60

All: 36.451+/-0.004 χ^2/NDF: 31117885.0/114



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: 52.0/35

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

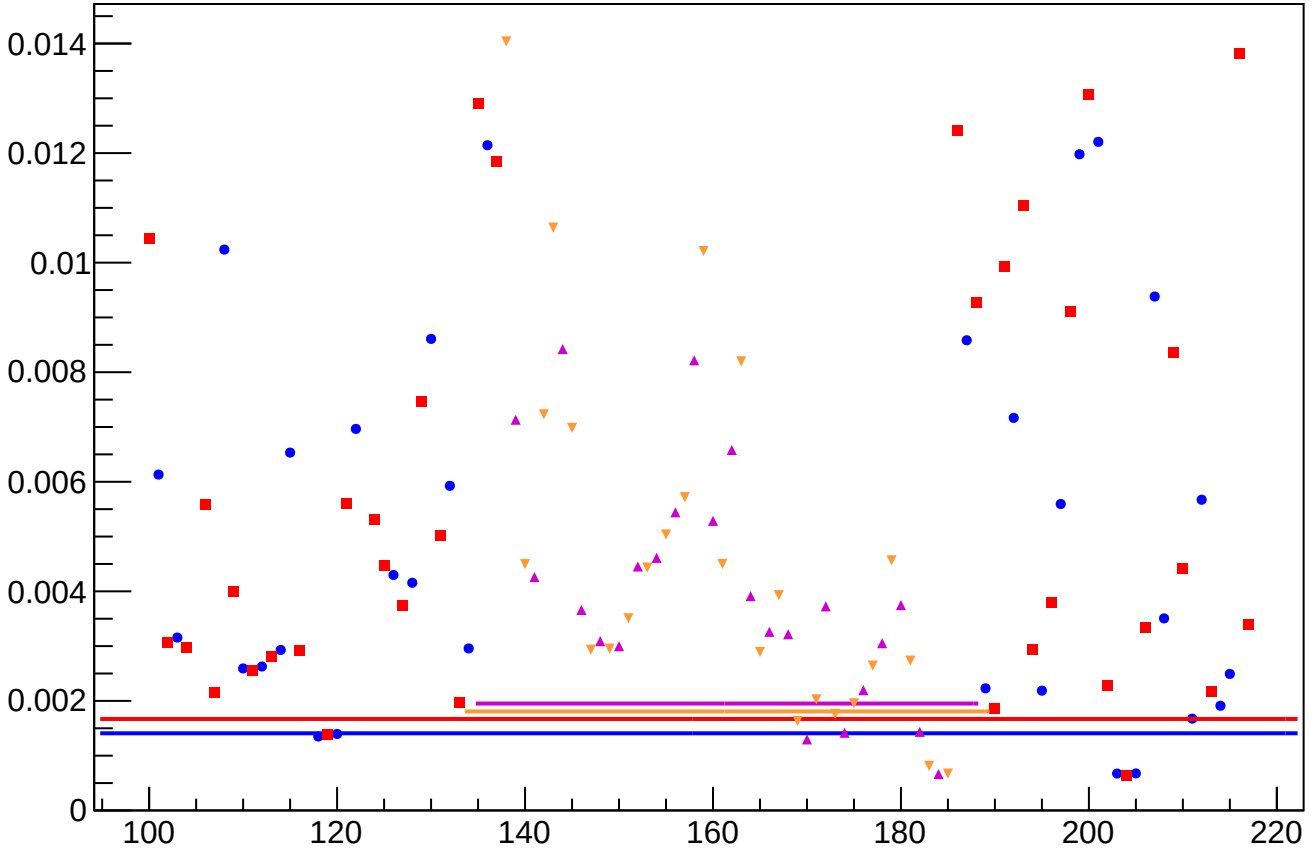
Right: -0.000+/-0.000 χ^2/NDF: 92.9/66

In: -0.000+/-0.000 χ^2/NDF:54.6/53

Out: 0.000+/-0.000 χ^2/NDF:88.3/60

All: -0.000+/-0.000 χ^2/NDF: 144.0/114

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: 18856042.8/35

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

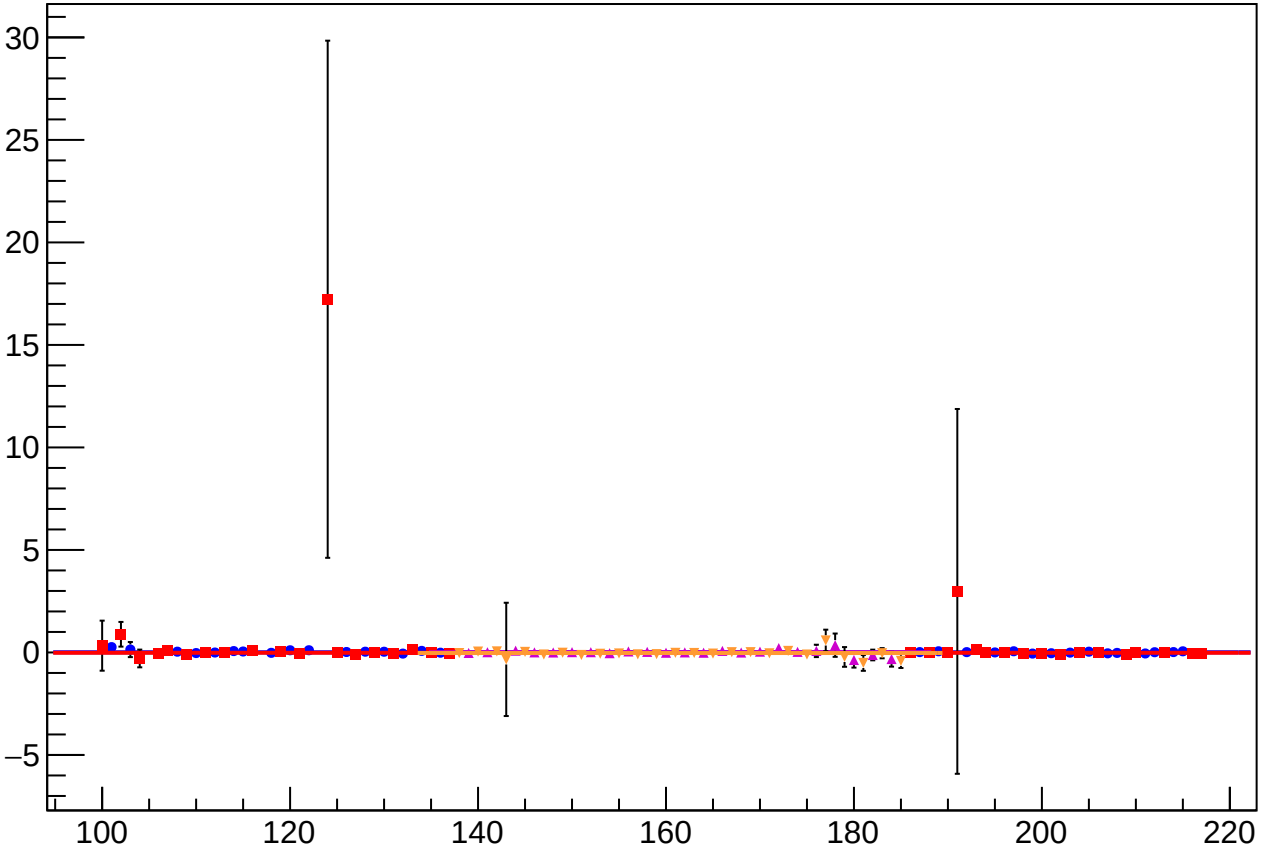
Right: 0.002+/-0.000 χ^2/NDF: 36423346.1/66

In: 0.002+/-0.000 χ^2/NDF:29815586.4/53

Out: 0.002+/-0.000 χ^2/NDF:33861050.2/60

All: 0.002+/-0.000 χ^2/NDF: 63771833.6/114

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

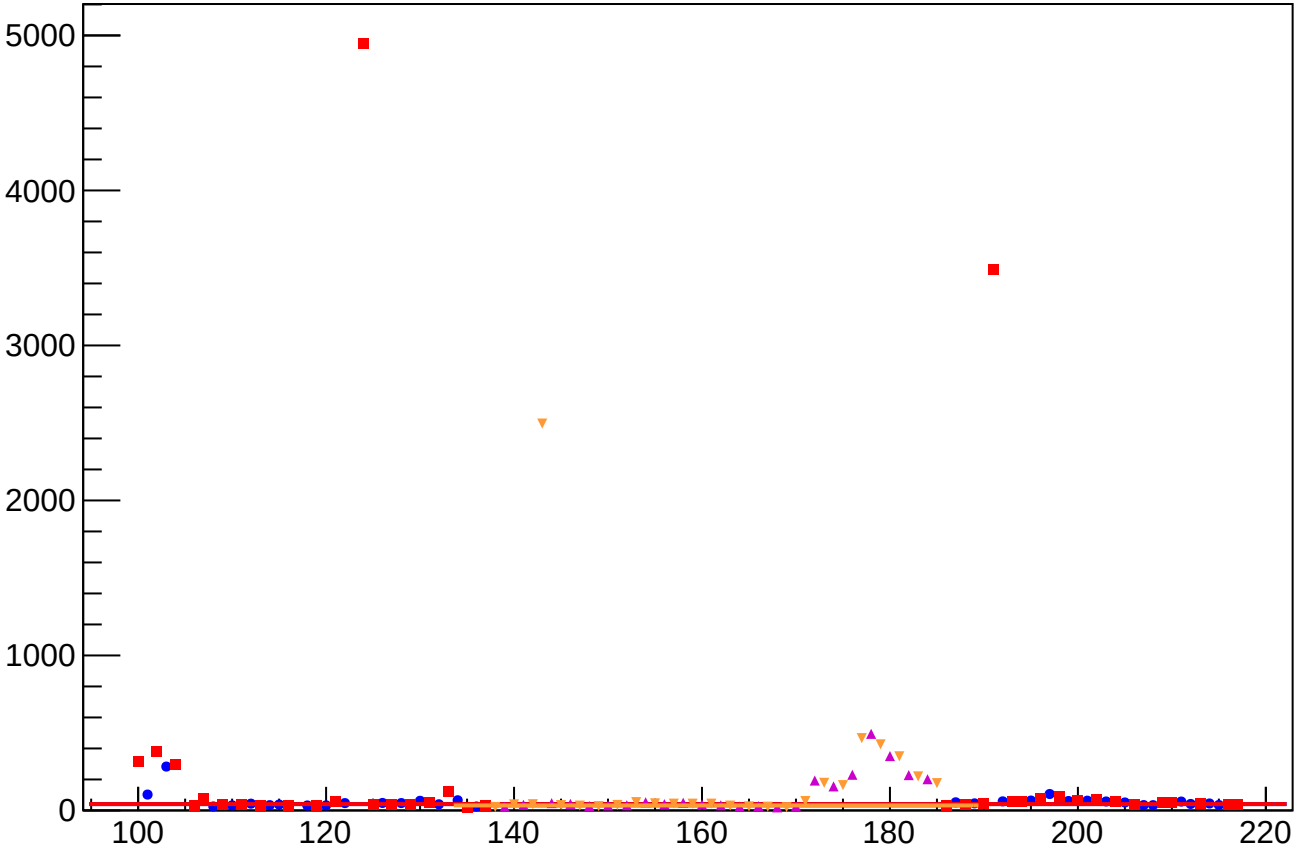
Right: -0.003+/-0.007 χ^2/NDF: 48.4/66

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.2/114

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: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

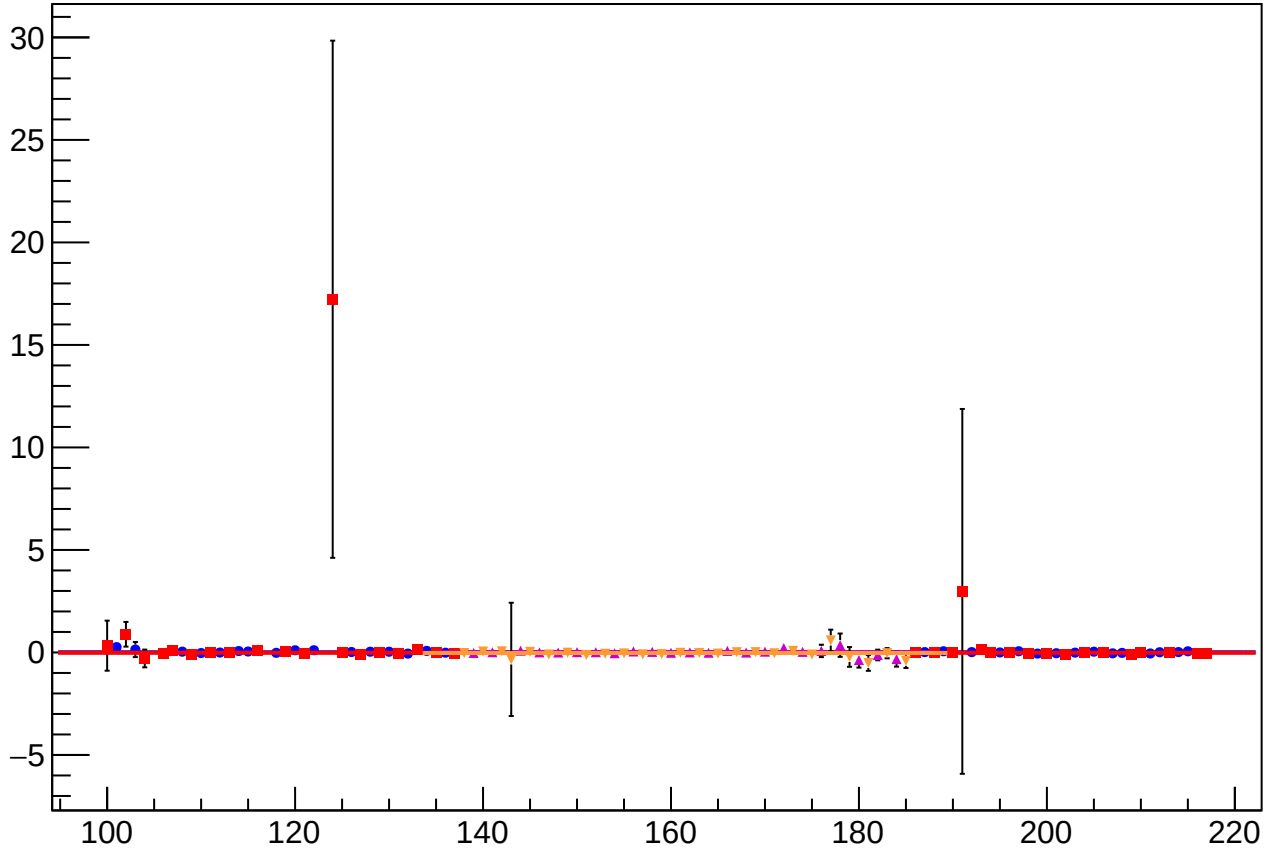
Right: 41.127+/-0.005 χ^2/NDF: 9853169.5/66

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.410+/-0.005 χ^2/NDF:17134000.2/60

All: 36.451+/-0.004 χ^2/NDF: 31118515.3/114

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: -0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

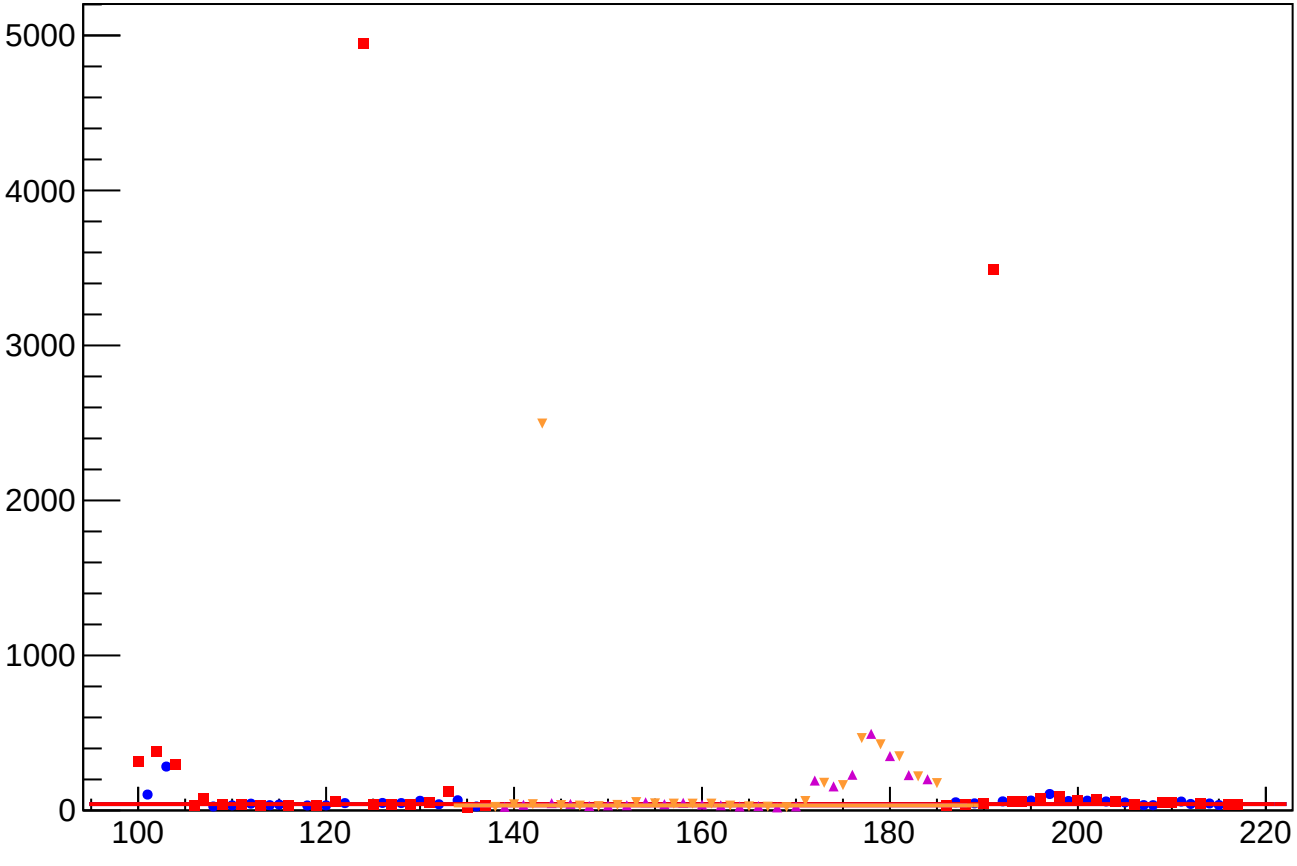
Right: -0.003+/-0.007 χ^2/NDF: 48.4/66

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/60

All: -0.006+/-0.005 χ^2/NDF: 98.2/114

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: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

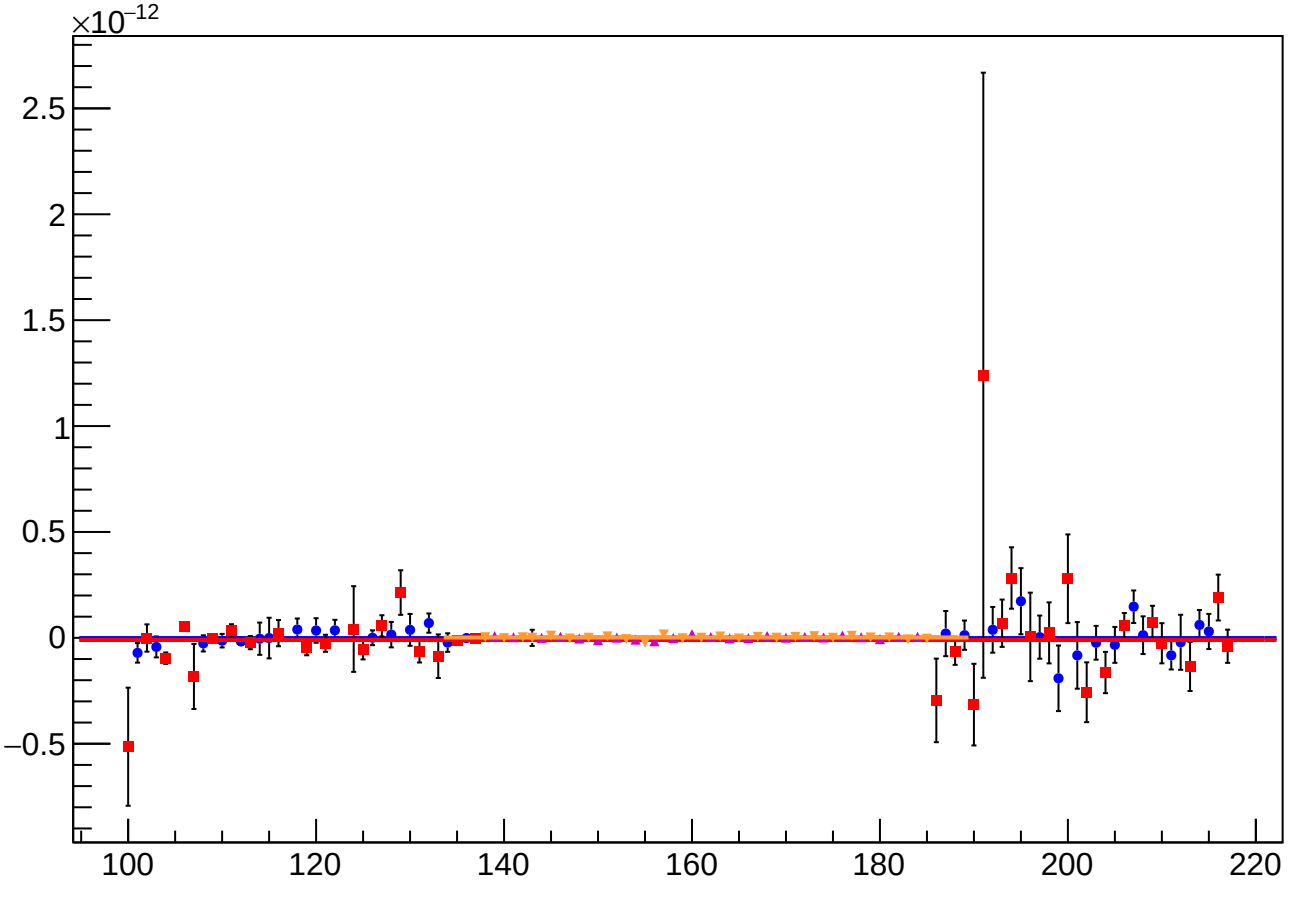
Right: 41.127+/-0.005 χ^2/NDF: 9853169.5/66

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.410+/-0.005 χ^2/NDF:17134000.2/60

All: 36.451+/-0.004 χ^2/NDF: 31118515.3/114

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 65.0/35

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

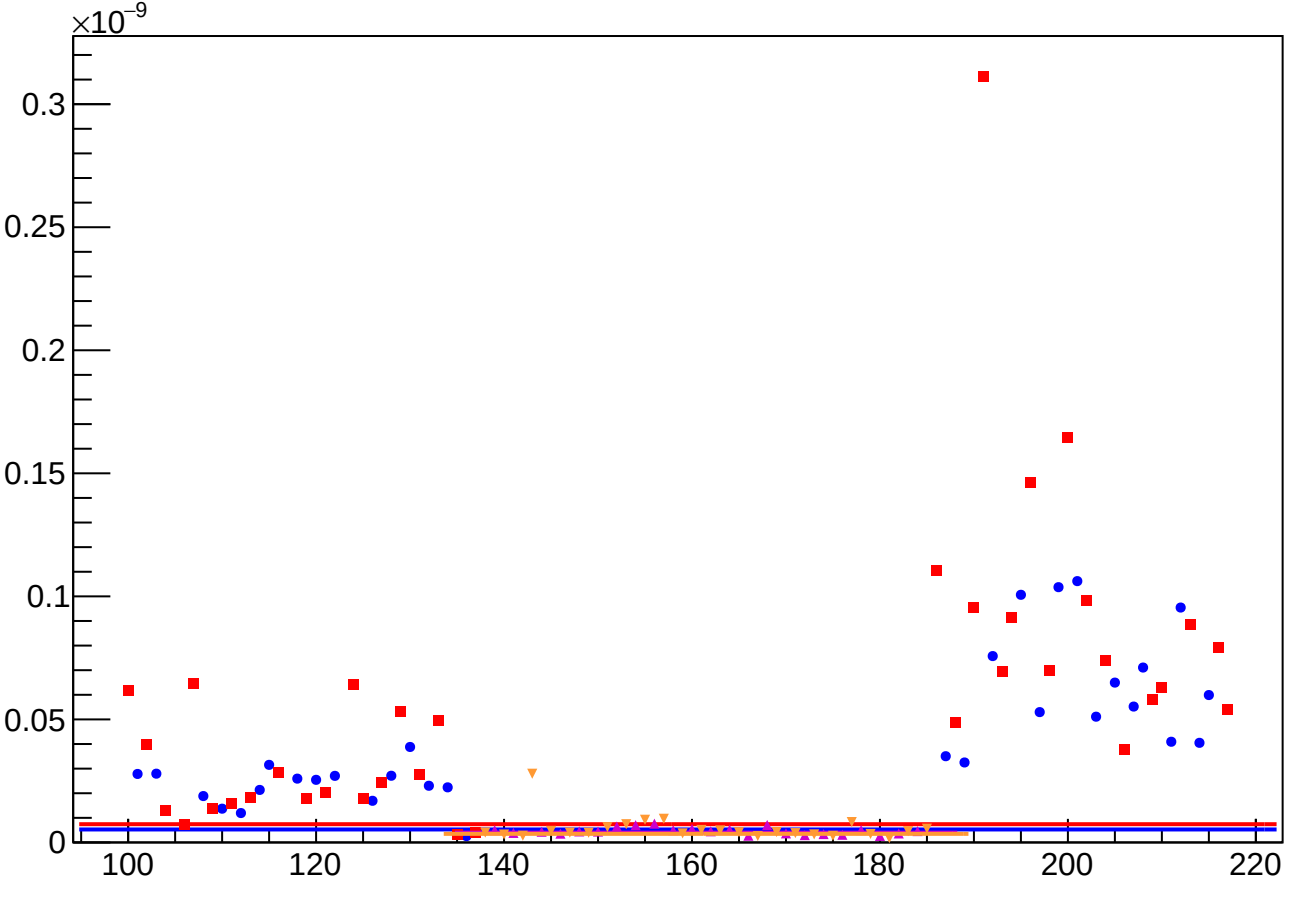
Right: -0.000+/-0.000 χ^2/NDF: 86.2/66

In: 0.000+/-0.000 χ^2/NDF:47.3/53

Out: 0.000+/-0.000 χ^2/NDF:90.7/60

All: 0.000+/-0.000 χ^2/NDF: 138.1/114

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: 17002274.1/35

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

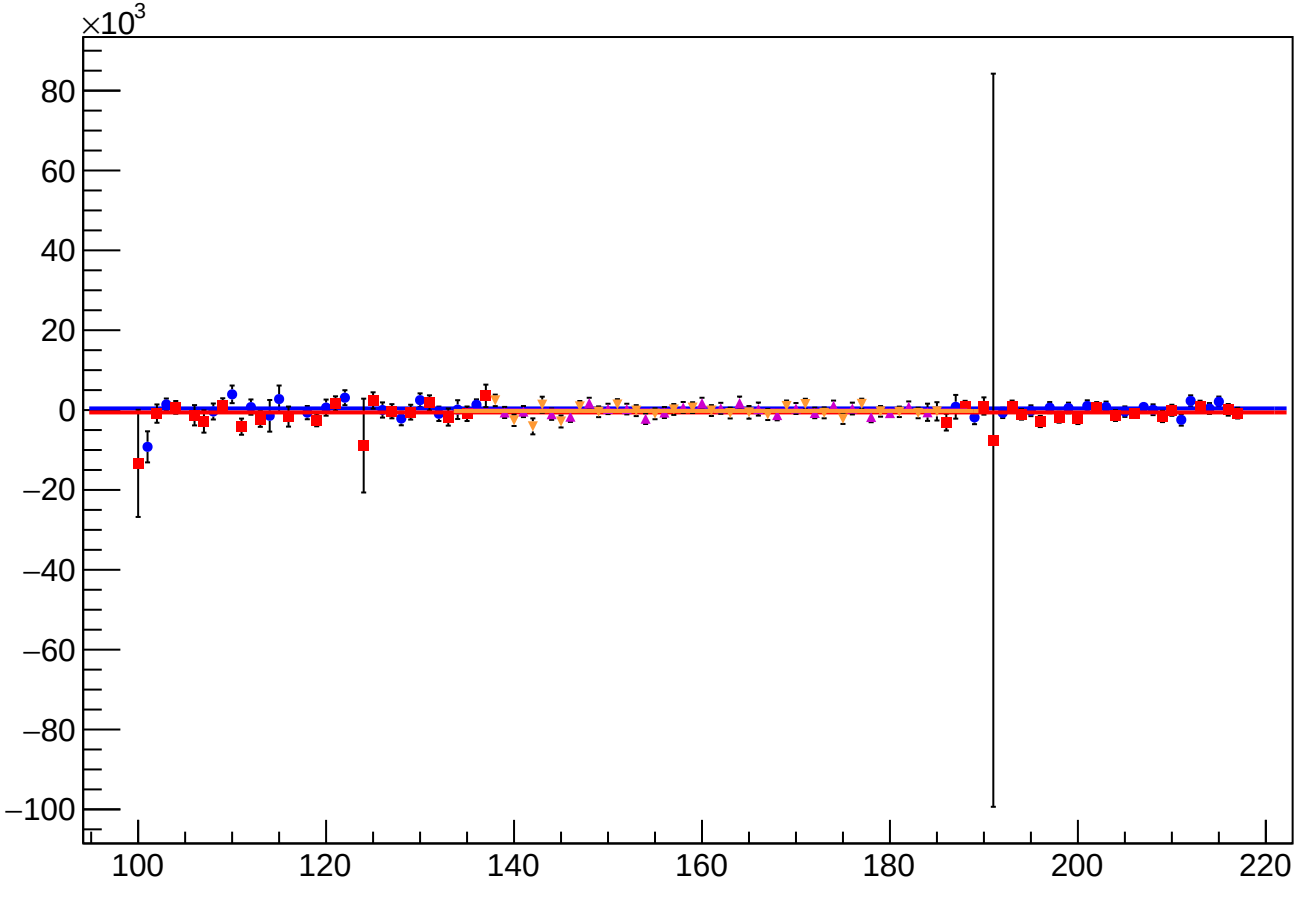
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 33222097.0/66

In: 0.000+/-0.000 χ^2/NDF:18237421.7/53

Out: 0.000+/-0.000 χ^2/NDF:23390379.9/60

All: 0.000+/-0.000 χ^2/NDF: 41752539.1/114



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: -592.089+/-283.572 χ^2/NDF: 29.7/35

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

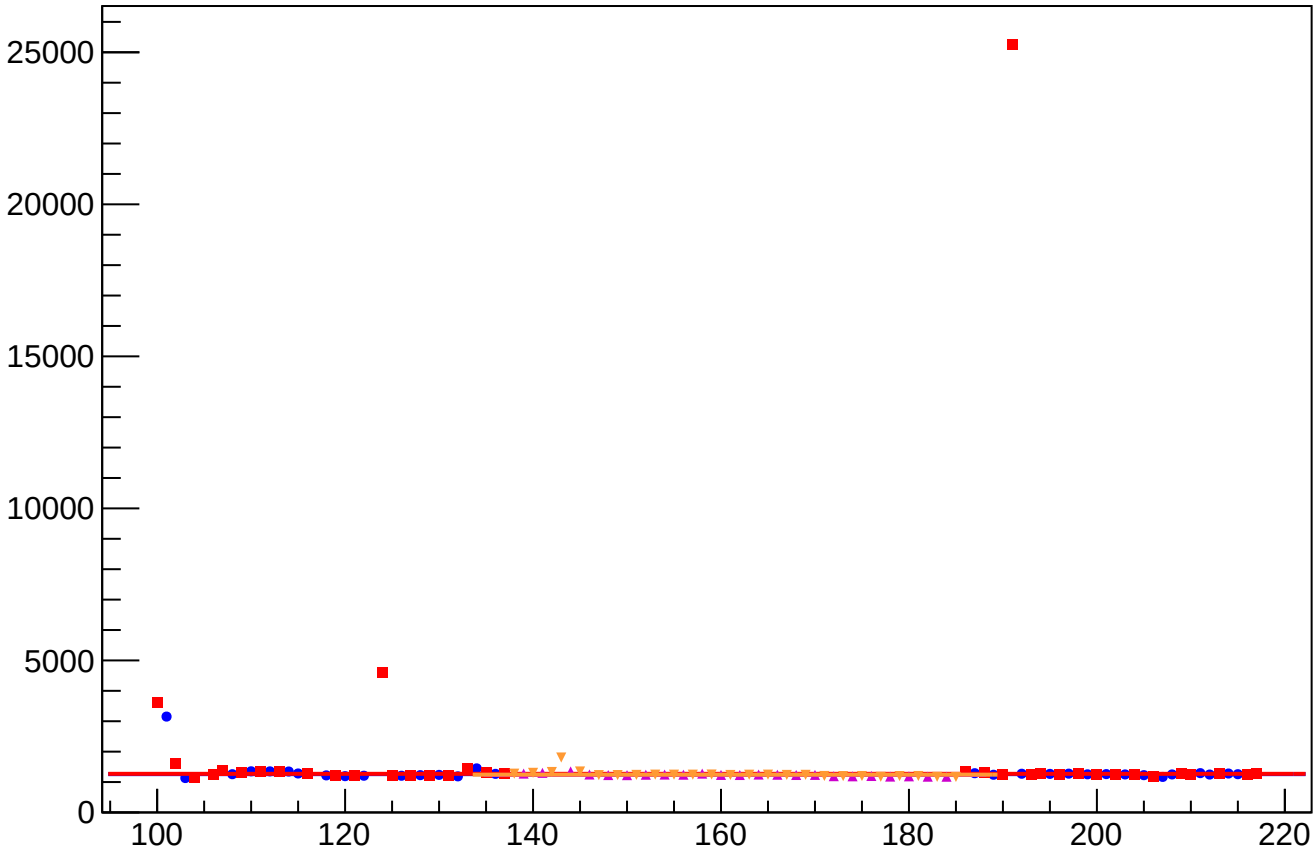
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -99.681+/-202.393 χ^2/NDF: 64.1/66

In: 158.955+/-204.061 χ^2/NDF:44.4/53

Out: -406.066+/-200.333 χ^2/NDF:54.5/60

All: -128.764+/-142.957 χ^2/NDF: 102.8/114



Right In: 1259.920+/-0.204 χ^2/NDF: 535655.7/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.301+/-0.201 χ^2/NDF: 487261.4/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

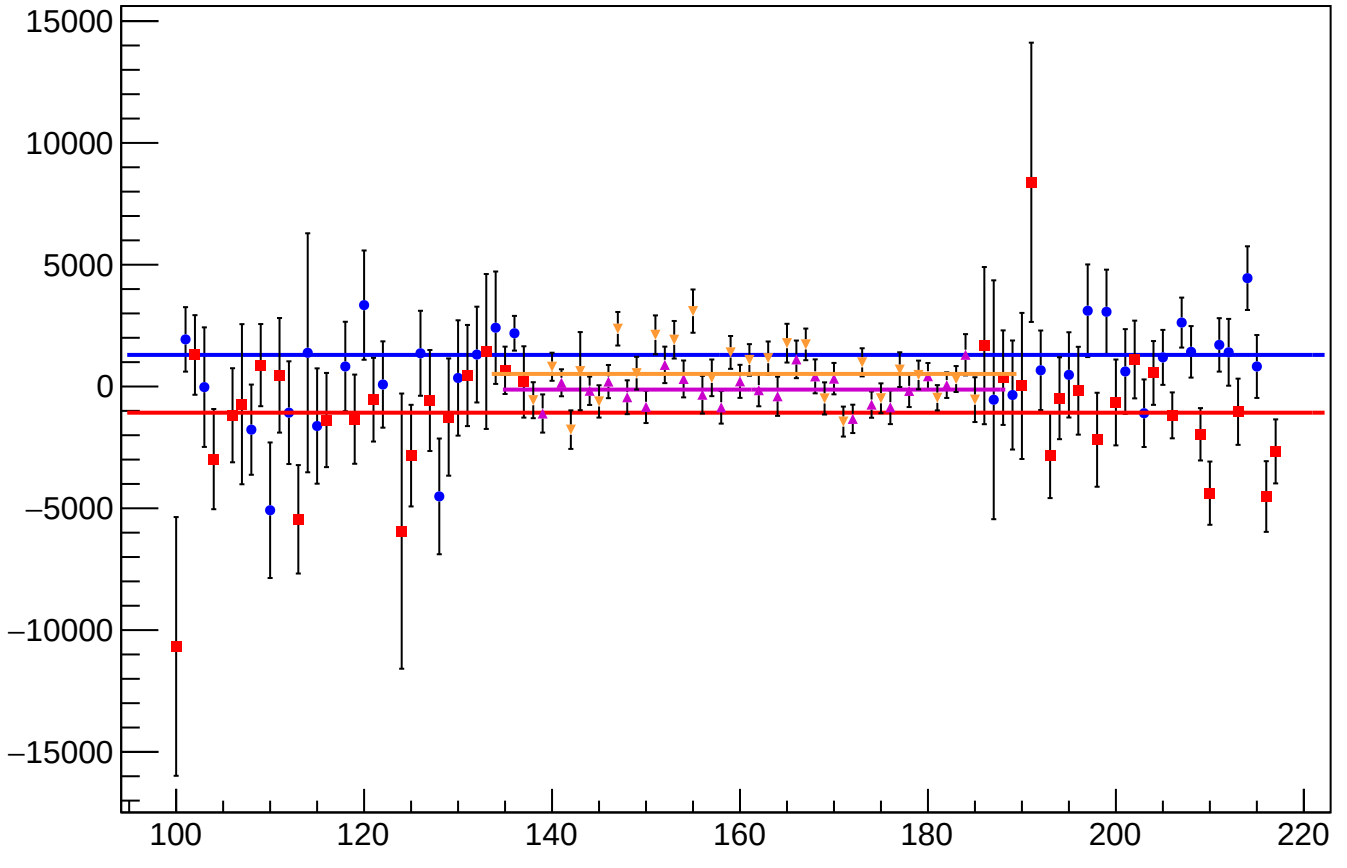
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1265.208+/-0.143 χ^2/NDF: 1024231.9/66

In: 1246.803+/-0.144 χ^2/NDF:583159.8/53

Out: 1256.538+/-0.142 χ^2/NDF:699966.0/60

All: 1251.760+/-0.101 χ^2/NDF: 1285443.7/11



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: -1075.028+/-283.955 χ^2/NDF: 42.2/35

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

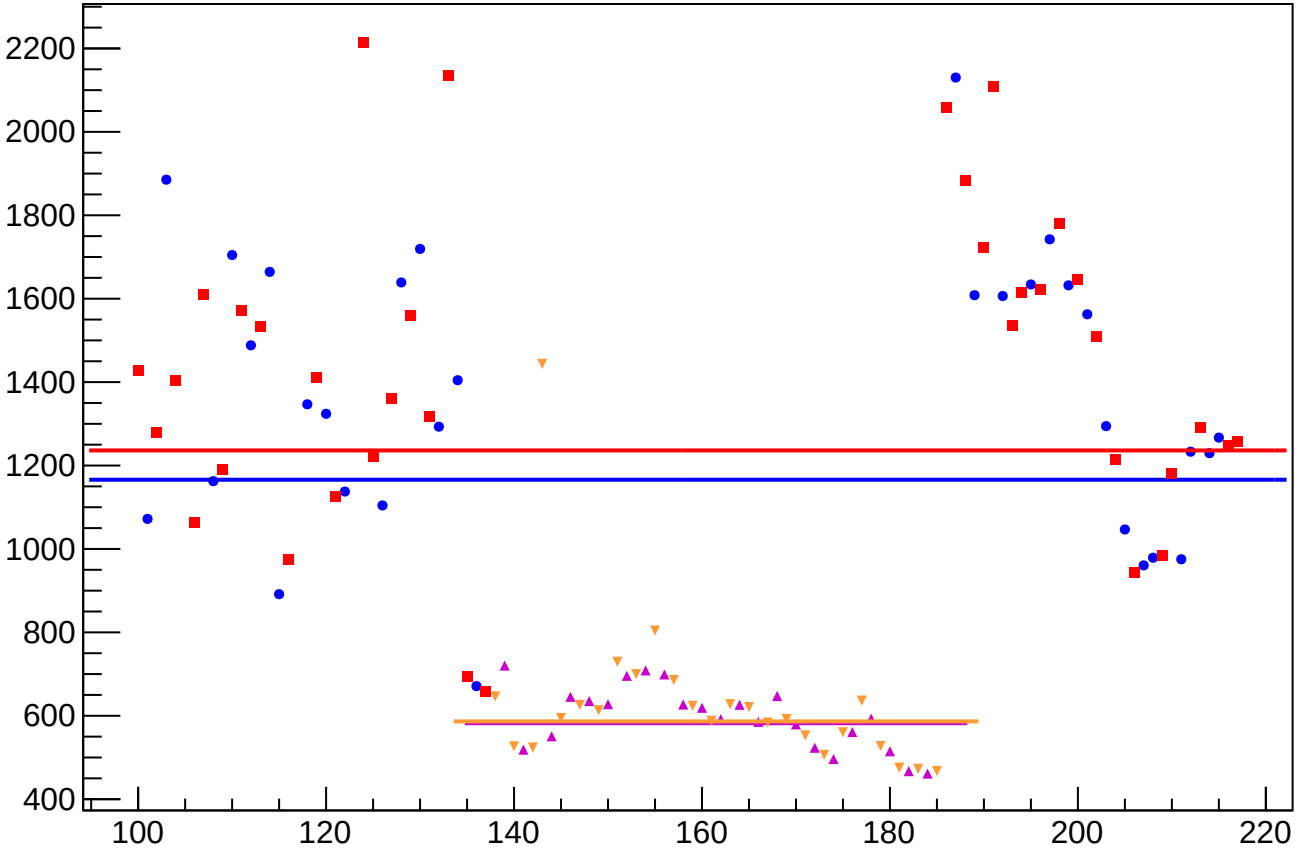
Right: 143.653+/-198.029 χ^2/NDF: 112.6/66

In: 155.334+/-122.933 χ^2/NDF:77.4/53

Out: 220.676+/-122.471 χ^2/NDF:134.8/60

All: 188.128+/-86.763 χ^2/NDF: 212.4/114

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1236.212+/-0.201 χ^2/NDF: 2738450.0/35

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

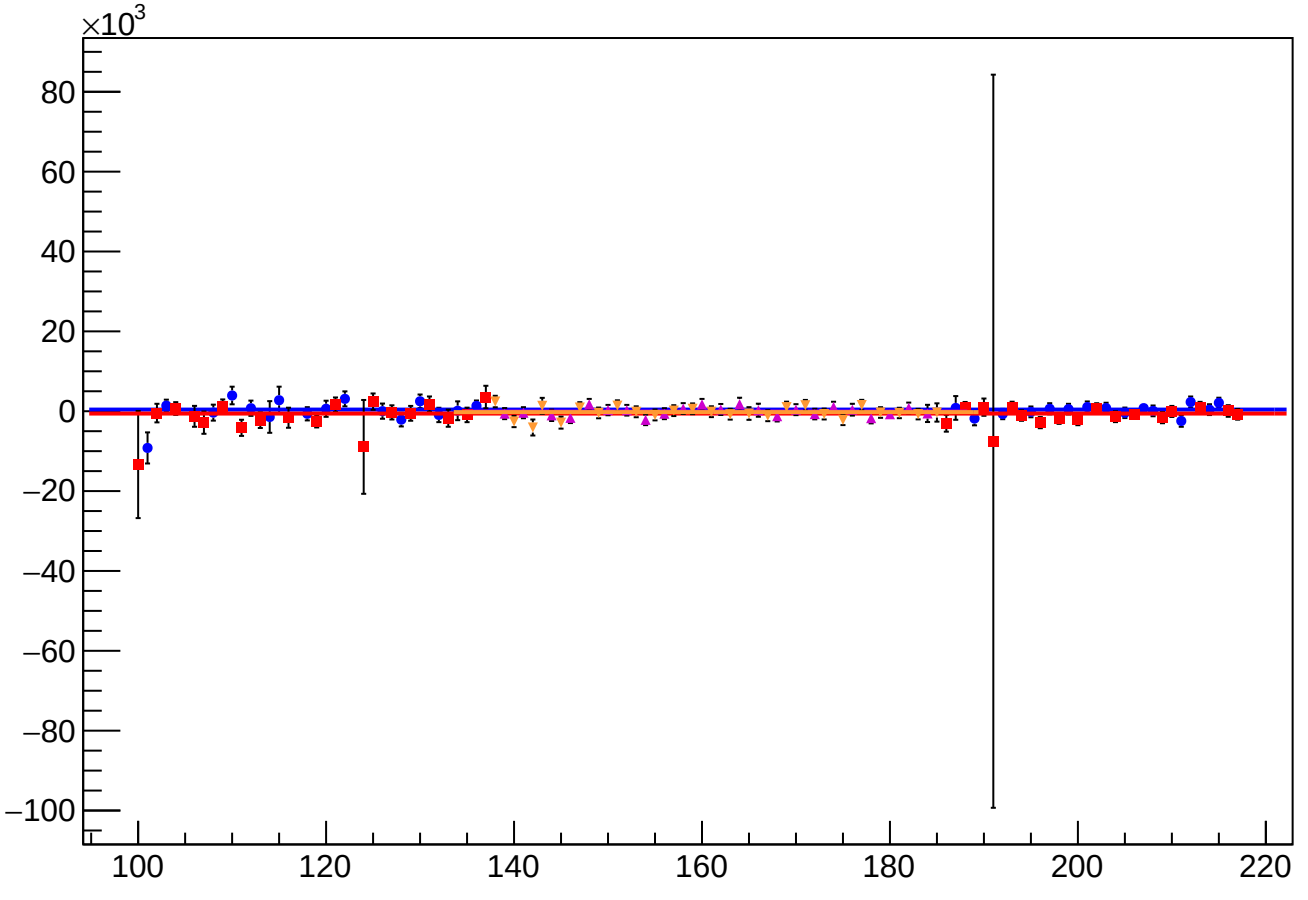
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1200.135+/-0.140 χ^2/NDF: 5508797.7/66

In: 697.744+/-0.087 χ^2/NDF:10427132.1/53

Out: 707.409+/-0.087 χ^2/NDF:12462734.1/60

All: 702.594+/-0.061 χ^2/NDF: 22896070.3/11



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: -585.051+/-283.740 χ^2/NDF: 29.7/35

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

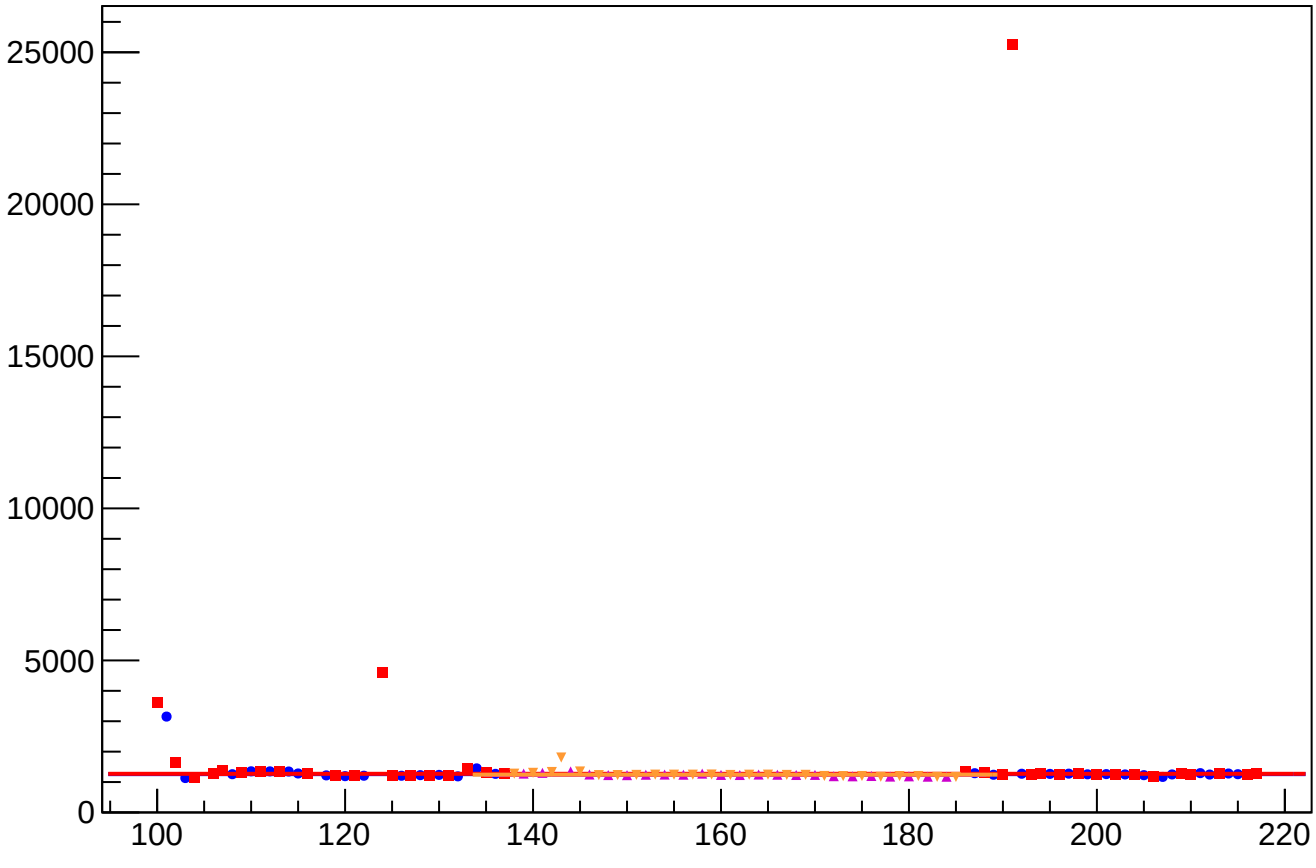
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -95.712+/-202.453 χ^2/NDF: 64.0/66

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -402.463+/-200.392 χ^2/NDF:54.5/60

All: -126.819+/-142.978 χ^2/NDF: 102.7/114



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

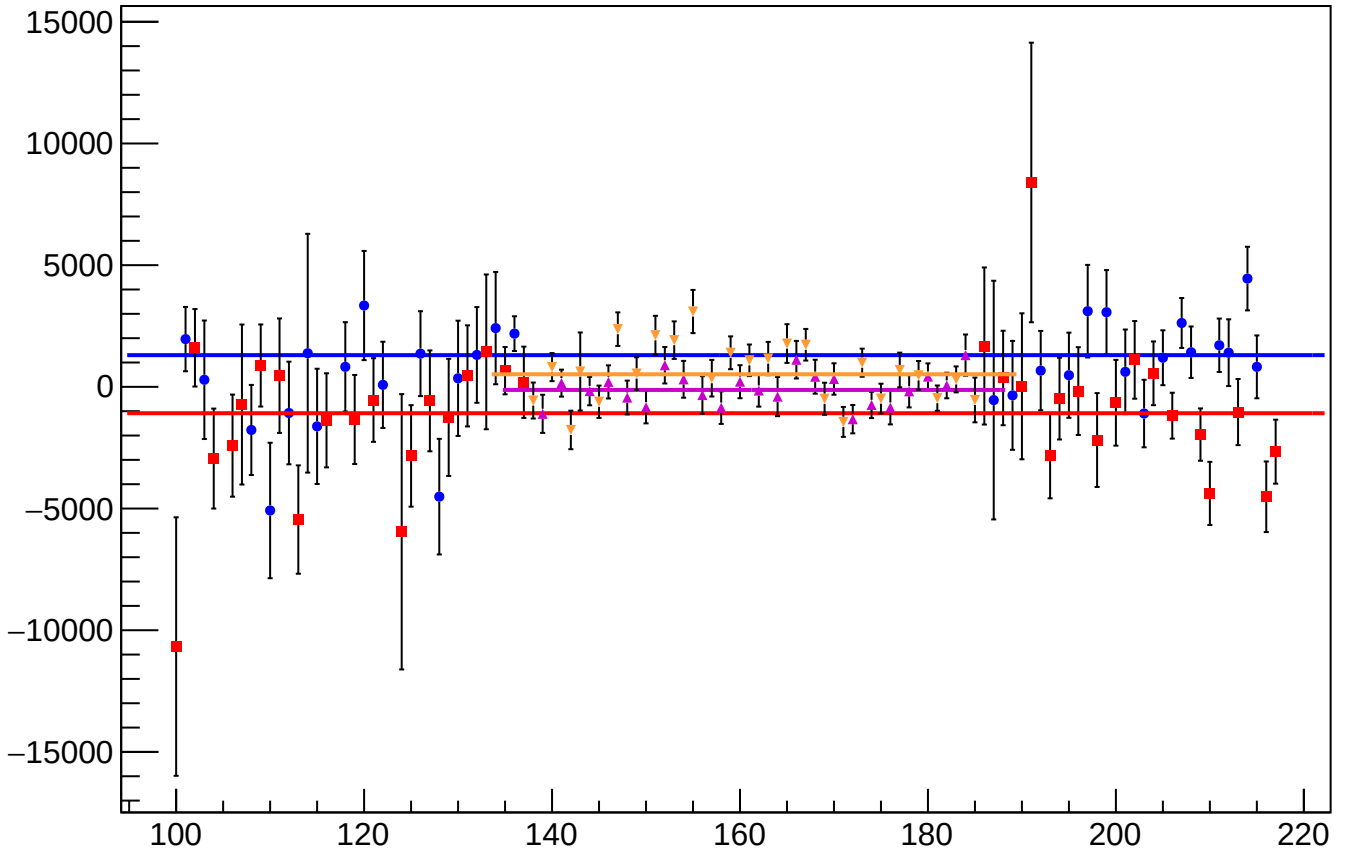
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.603+/-0.143 χ^2/NDF: 1031596.7/66

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.919+/-0.142 χ^2/NDF:707661.5/60

All: 1251.953+/-0.101 χ^2/NDF: 1293325.0/11



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: -1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

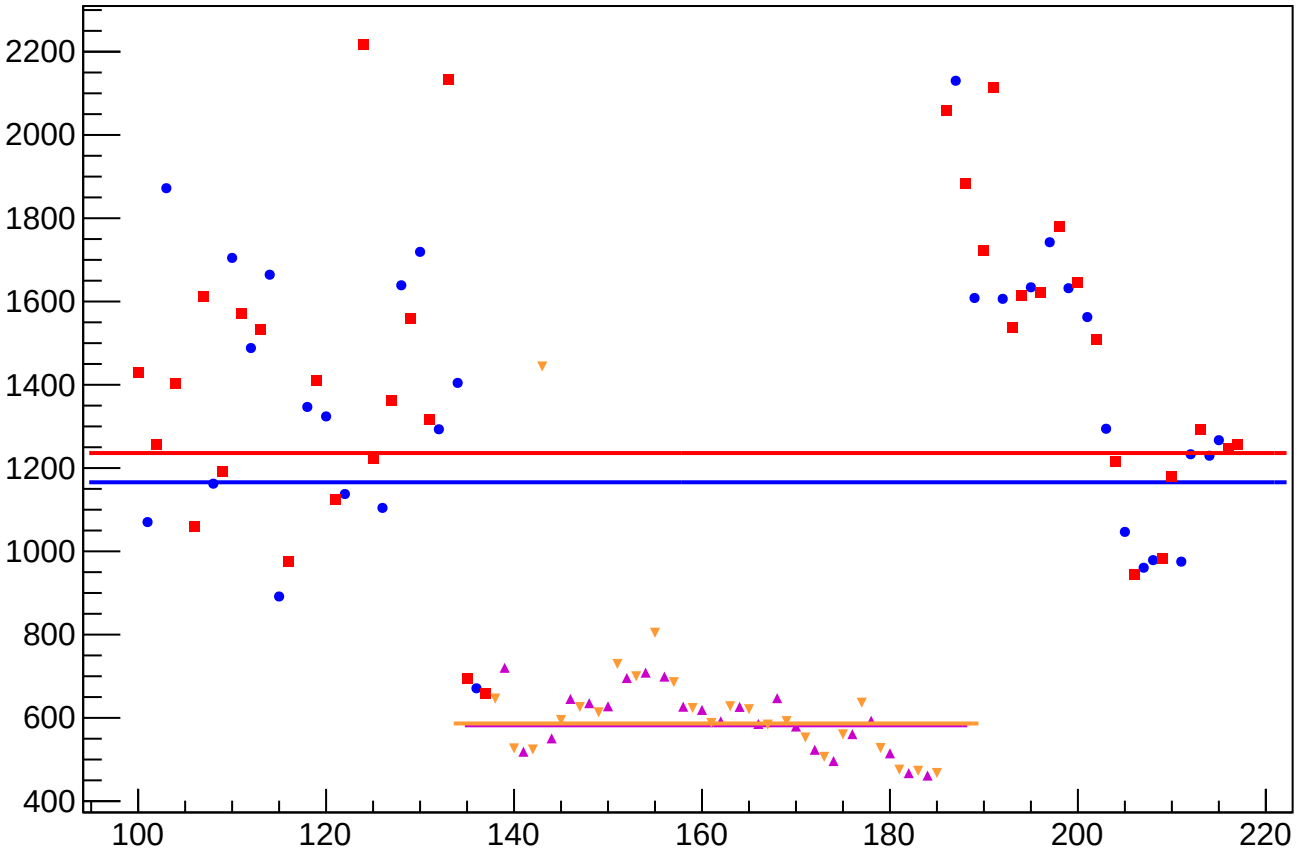
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 143.514+/-198.089 χ^2/NDF: 114.0/66

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 219.573+/-122.490 χ^2/NDF:136.2/60

All: 188.120+/-86.768 χ^2/NDF: 213.8/114



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: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

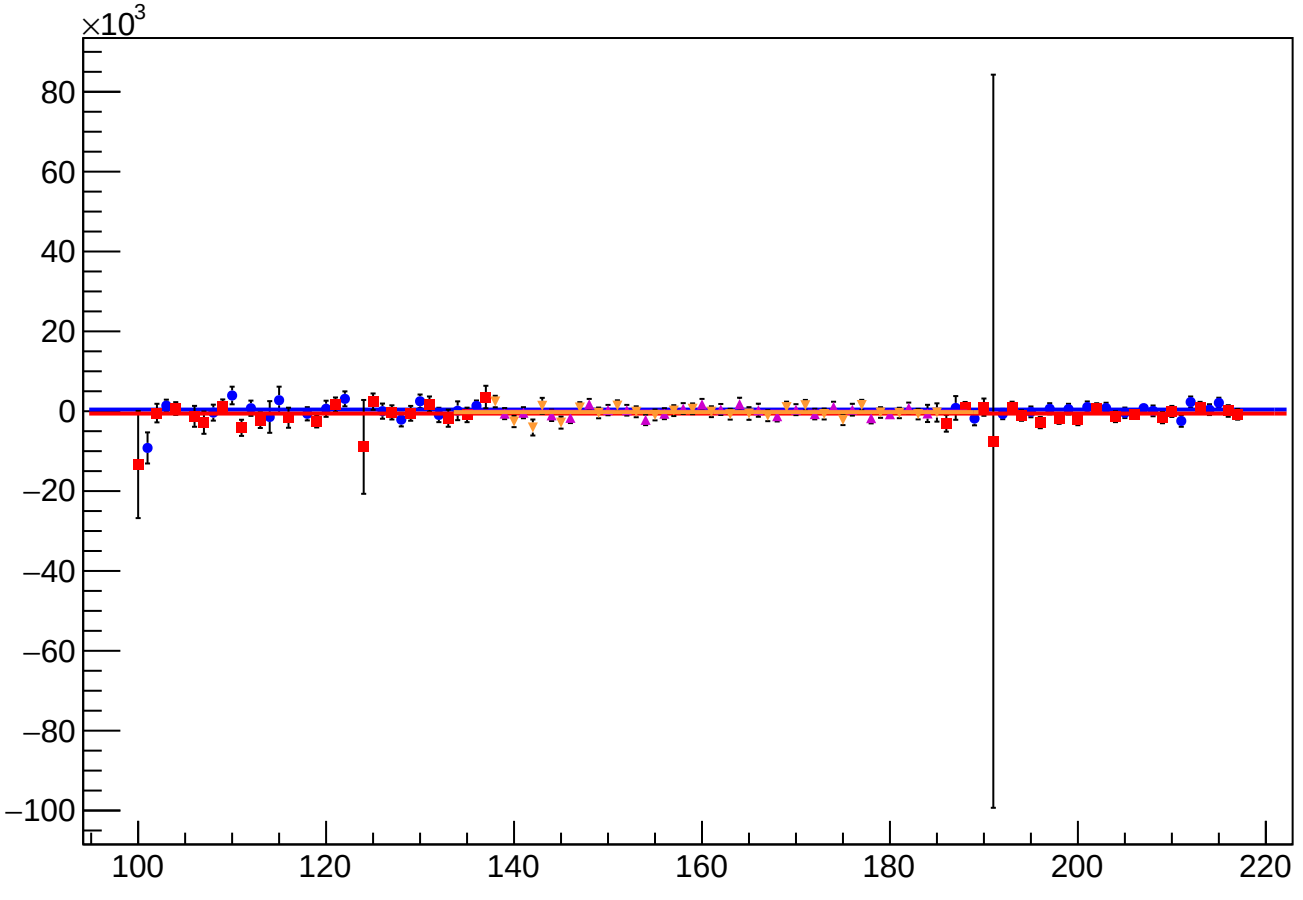
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1199.976+/-0.140 χ^2/NDF: 5503007.0/66

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 707.229+/-0.087 χ^2/NDF:12445040.2/60

All: 702.507+/-0.061 χ^2/NDF: 22874401.1/11



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: -585.051+/-283.740 χ^2/NDF: 29.7/35

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

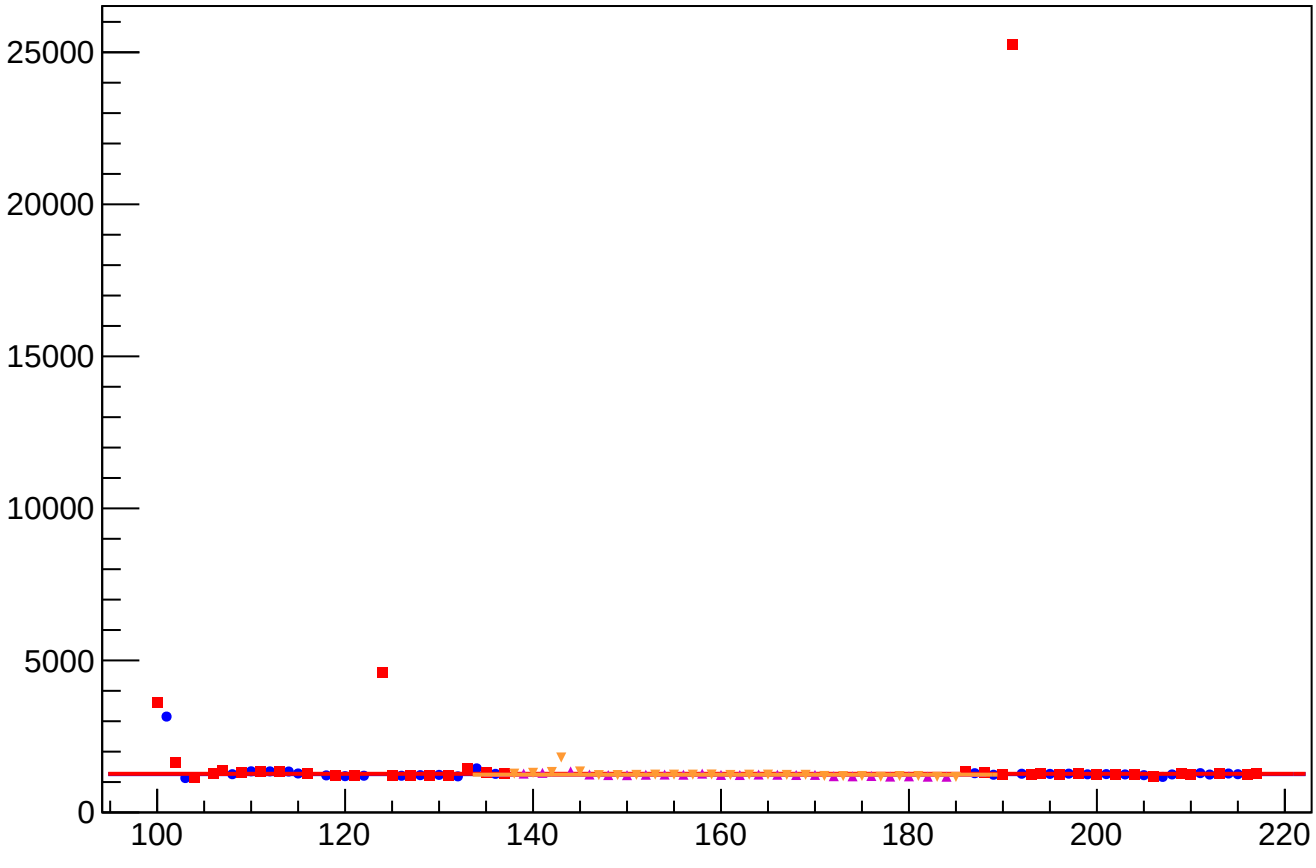
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -95.712+/-202.453 χ^2/NDF: 64.0/66

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -402.463+/-200.392 χ^2/NDF:54.5/60

All: -126.819+/-142.978 χ^2/NDF: 102.7/114



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

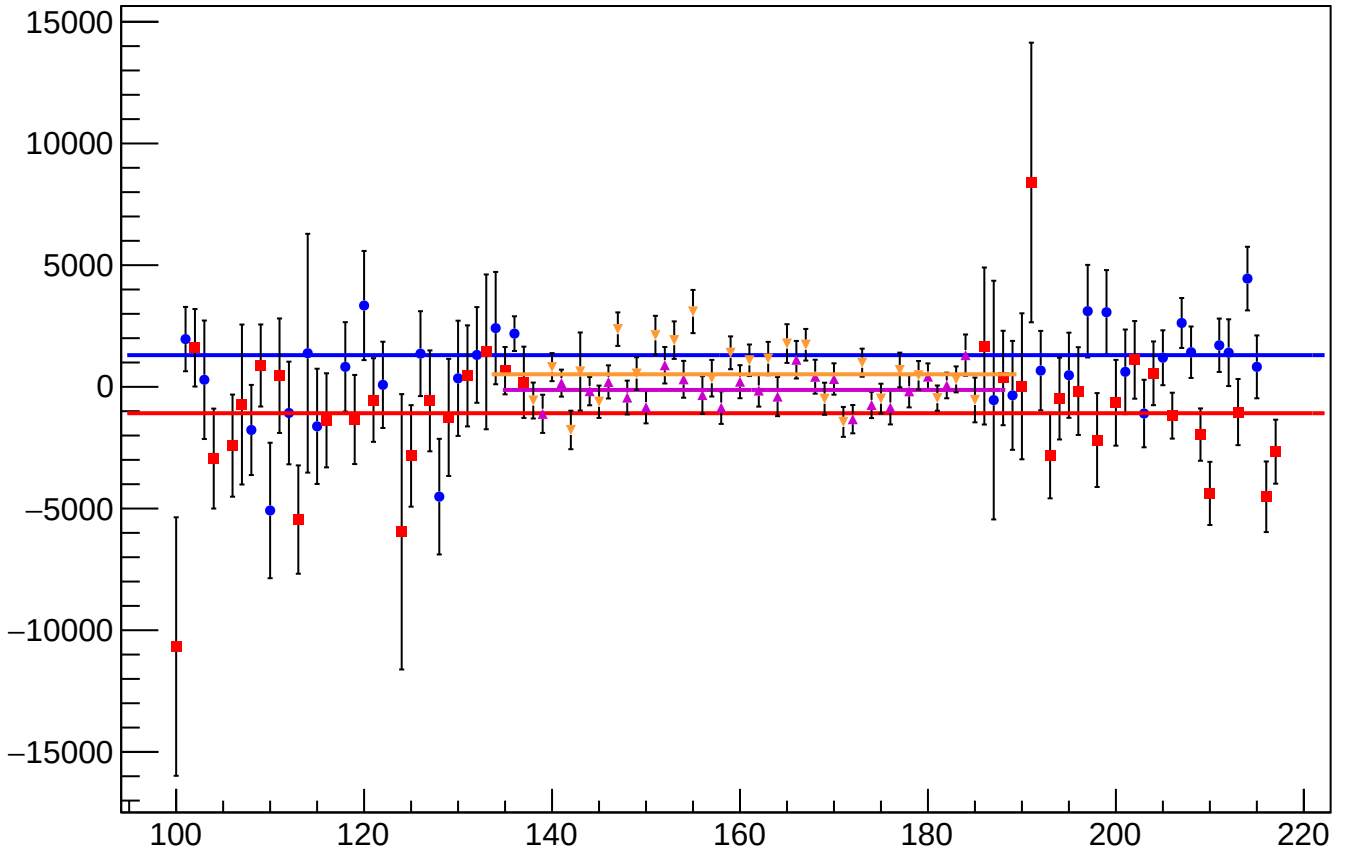
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.603+/-0.143 χ^2/NDF: 1031596.7/66

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.919+/-0.142 χ^2/NDF:707661.5/60

All: 1251.953+/-0.101 χ^2/NDF: 1293325.0/11



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: -1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

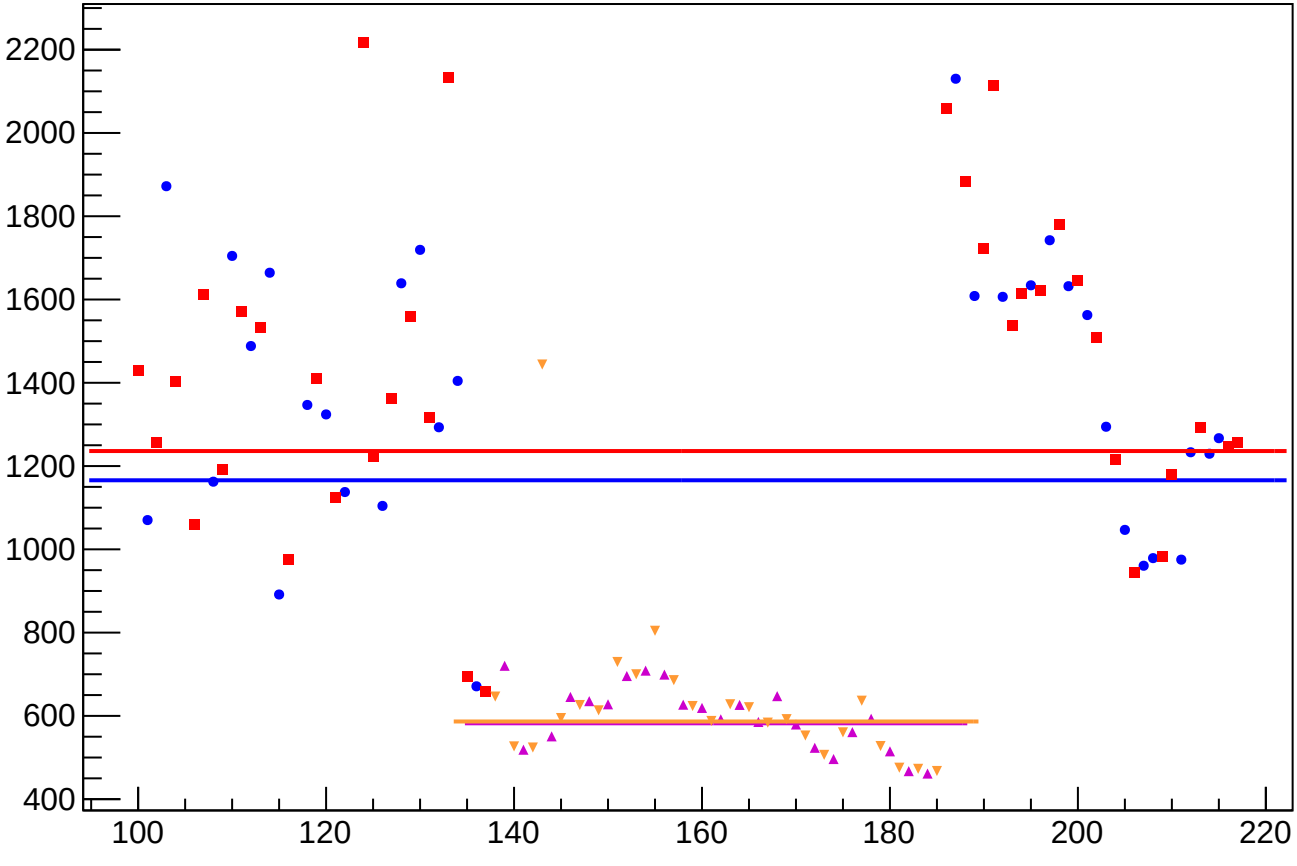
Right: 143.514+/-198.089 χ^2/NDF: 114.0/66

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 219.573+/-122.490 χ^2/NDF:136.2/60

All: 188.120+/-86.768 χ^2/NDF: 213.8/114

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: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

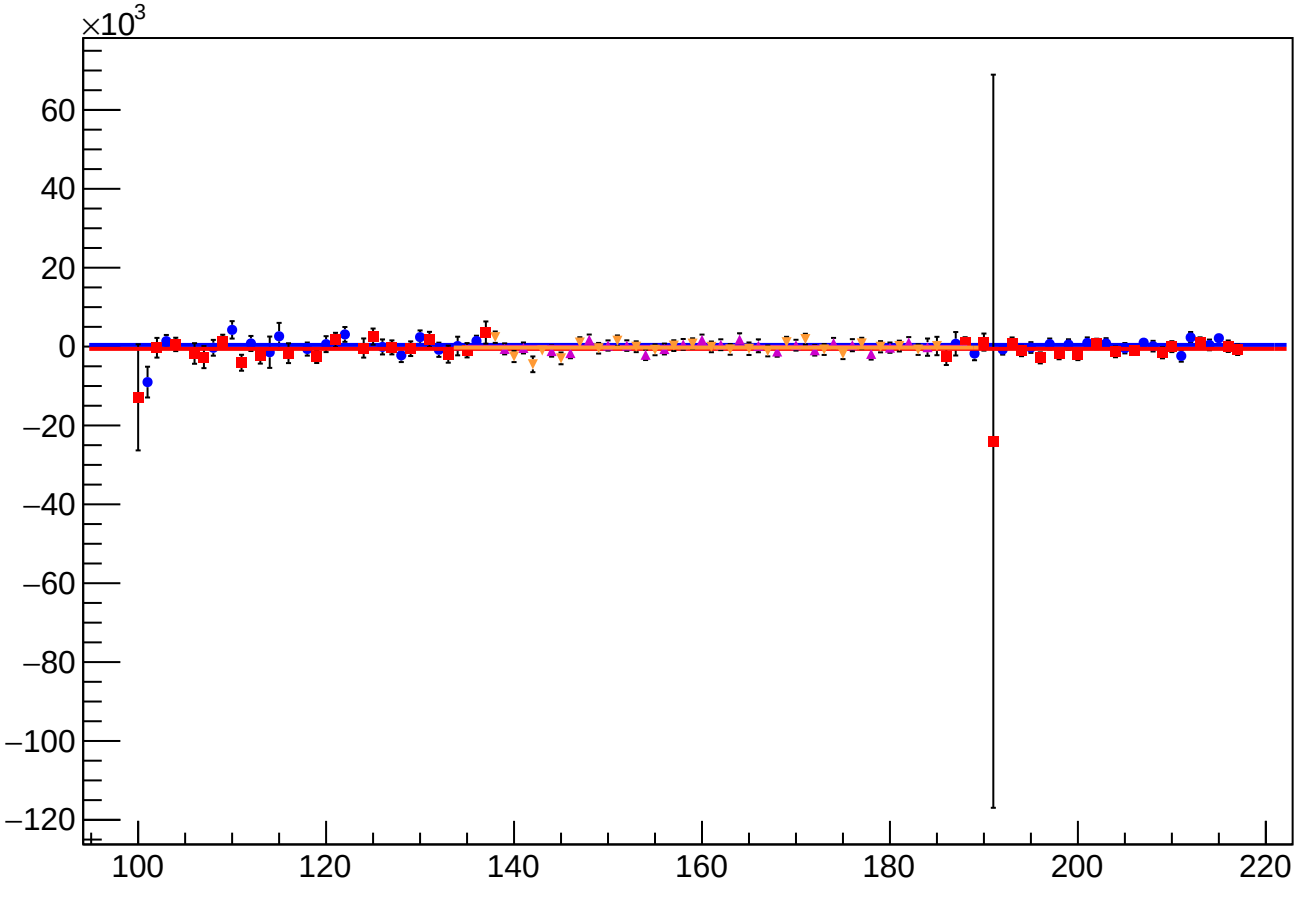
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1199.976+/-0.140 χ^2/NDF: 5503007.0/66

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 707.229+/-0.087 χ^2/NDF:12445040.2/60

All: 702.507+/-0.061 χ^2/NDF: 22874401.1/11



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: -582.664+/-283.147 χ^2/NDF: 29.2/35

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

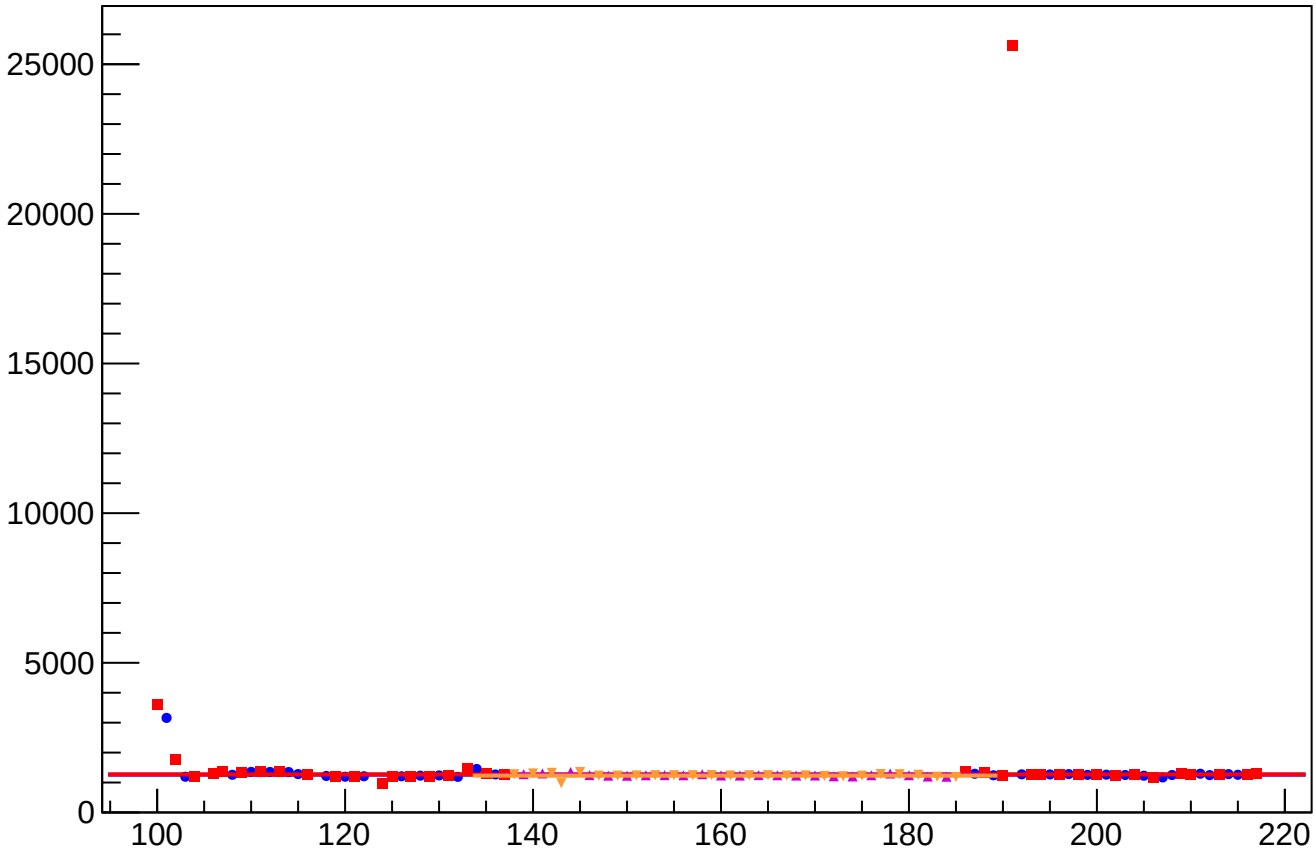
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -92.911+/-202.531 χ^2/NDF: 63.5/66

In: 174.047+/-205.508 χ^2/NDF:43.6/53

Out: -414.856+/-199.065 χ^2/NDF:54.0/60

All: -129.780+/-142.984 χ^2/NDF: 101.8/114



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: 1269.837+/-0.200 χ^2/NDF: 385678.4/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

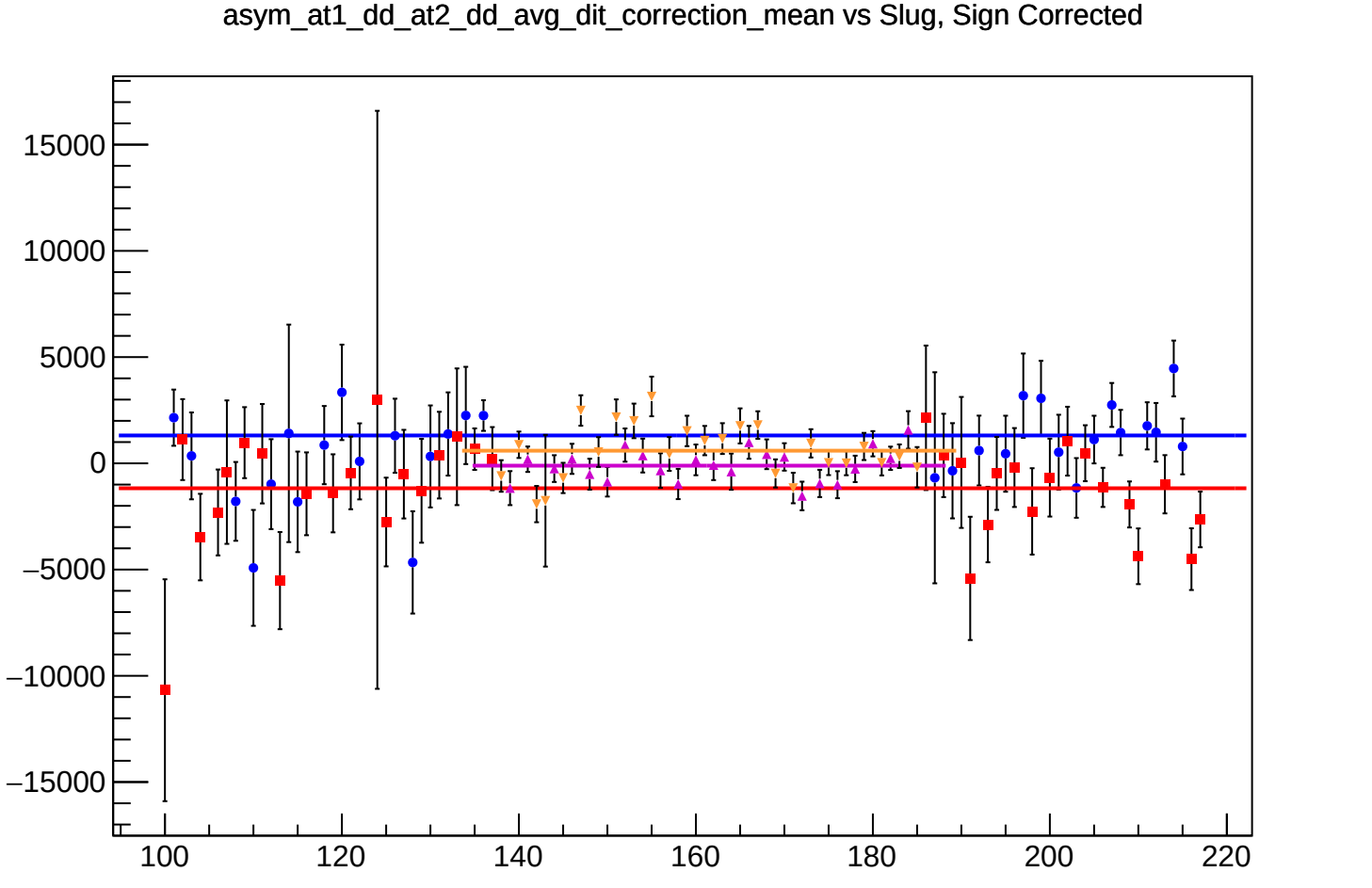
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.894+/-0.143 χ^2/NDF: 911591.6/66

In: 1255.843+/-0.145 χ^2/NDF:555851.6/53

Out: 1249.684+/-0.141 χ^2/NDF:547321.8/60

All: 1252.665+/-0.101 χ^2/NDF: 1104100.3/11



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: -1173.960+/-286.304 χ^2/NDF: 40.7/35

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

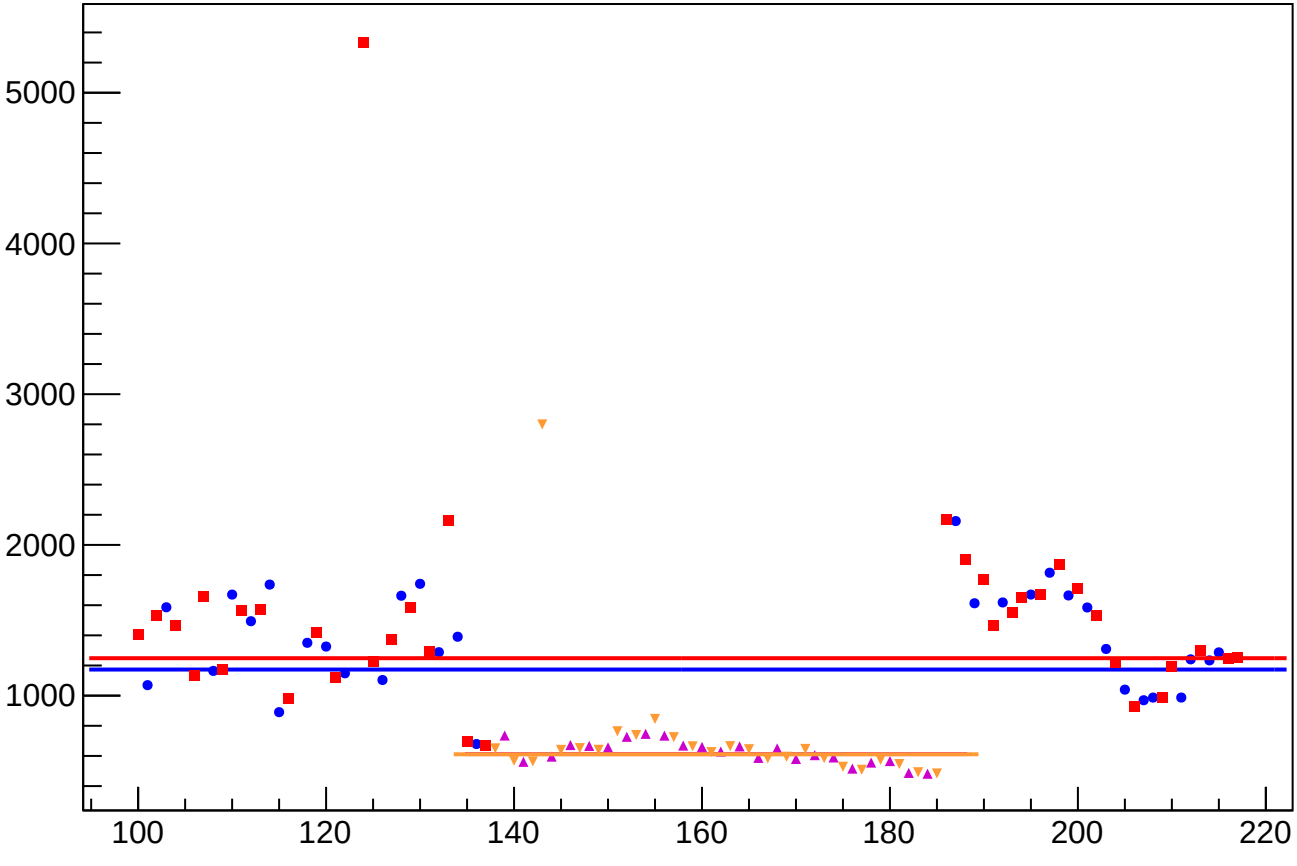
Right: 106.283+/-199.358 χ^2/NDF: 115.0/66

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 245.245+/-127.307 χ^2/NDF:128.7/60

All: 218.589+/-90.265 χ^2/NDF: 210.6/114

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



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: 1248.483+/-0.202 χ^2/NDF: 3030929.2/35

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

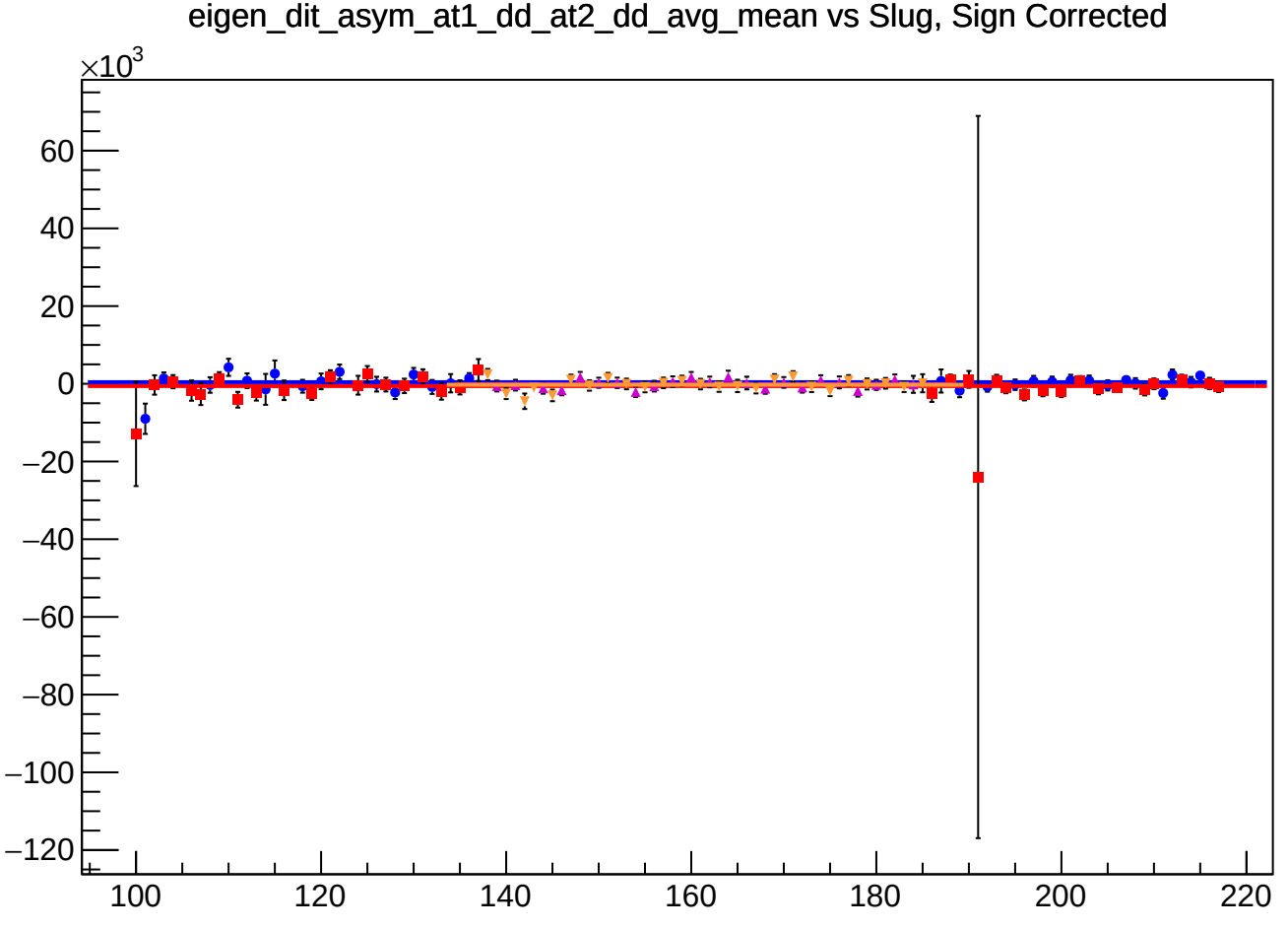
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1209.702+/-0.141 χ^2/NDF: 5748180.3/66

In: 731.499+/-0.091 χ^2/NDF:9575994.7/53

Out: 737.111+/-0.090 χ^2/NDF:12603065.7/60

All: 734.321+/-0.064 χ^2/NDF: 22180992.9/1



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: -582.662+/-283.147 χ^2/NDF: 29.2/35

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

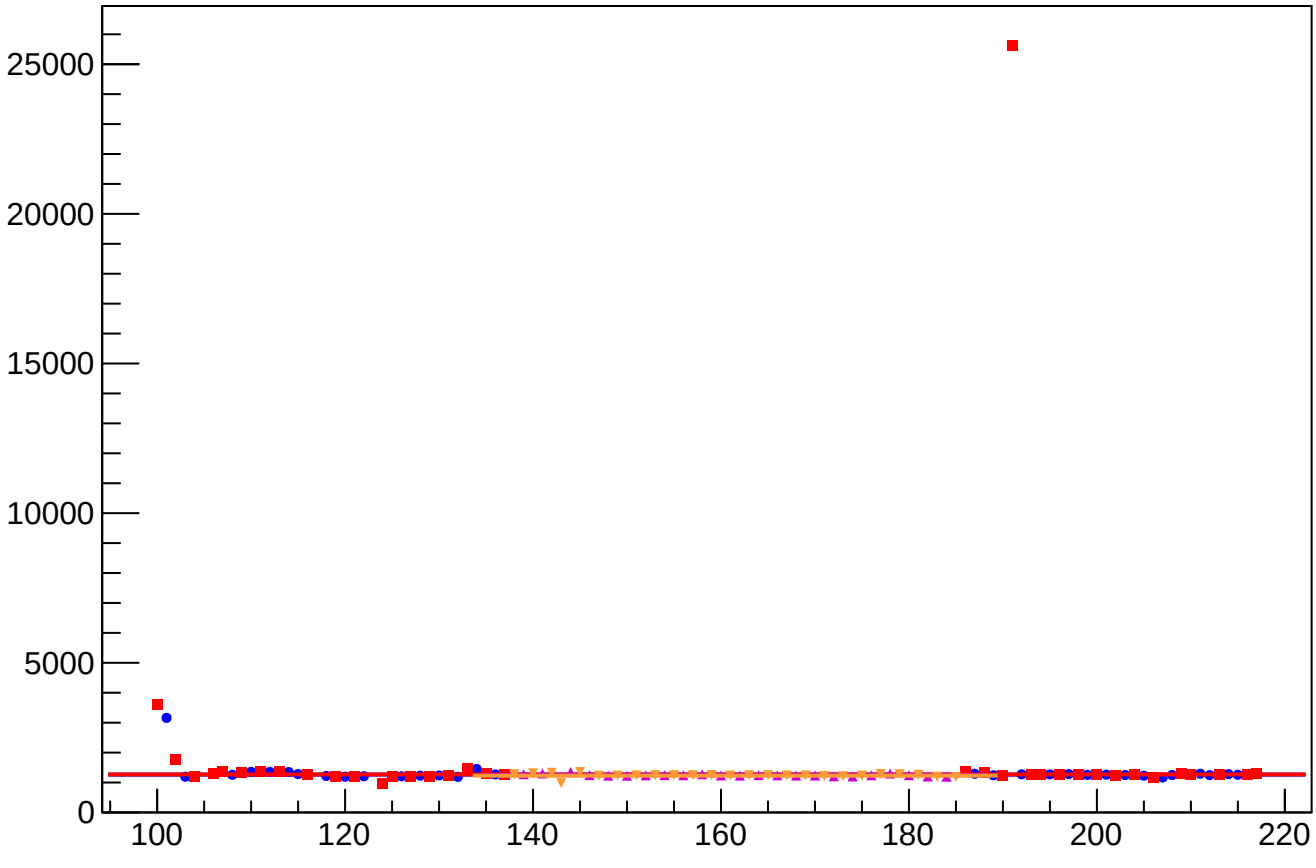
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -92.912+/-202.531 χ^2/NDF: 63.5/66

In: 174.046+/-205.508 χ^2/NDF:43.6/53

Out: -414.856+/-199.065 χ^2/NDF:54.0/60

All: -129.781+/-142.984 χ^2/NDF: 101.8/114



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: 1269.837+/-0.200 χ^2/NDF: 385678.2/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

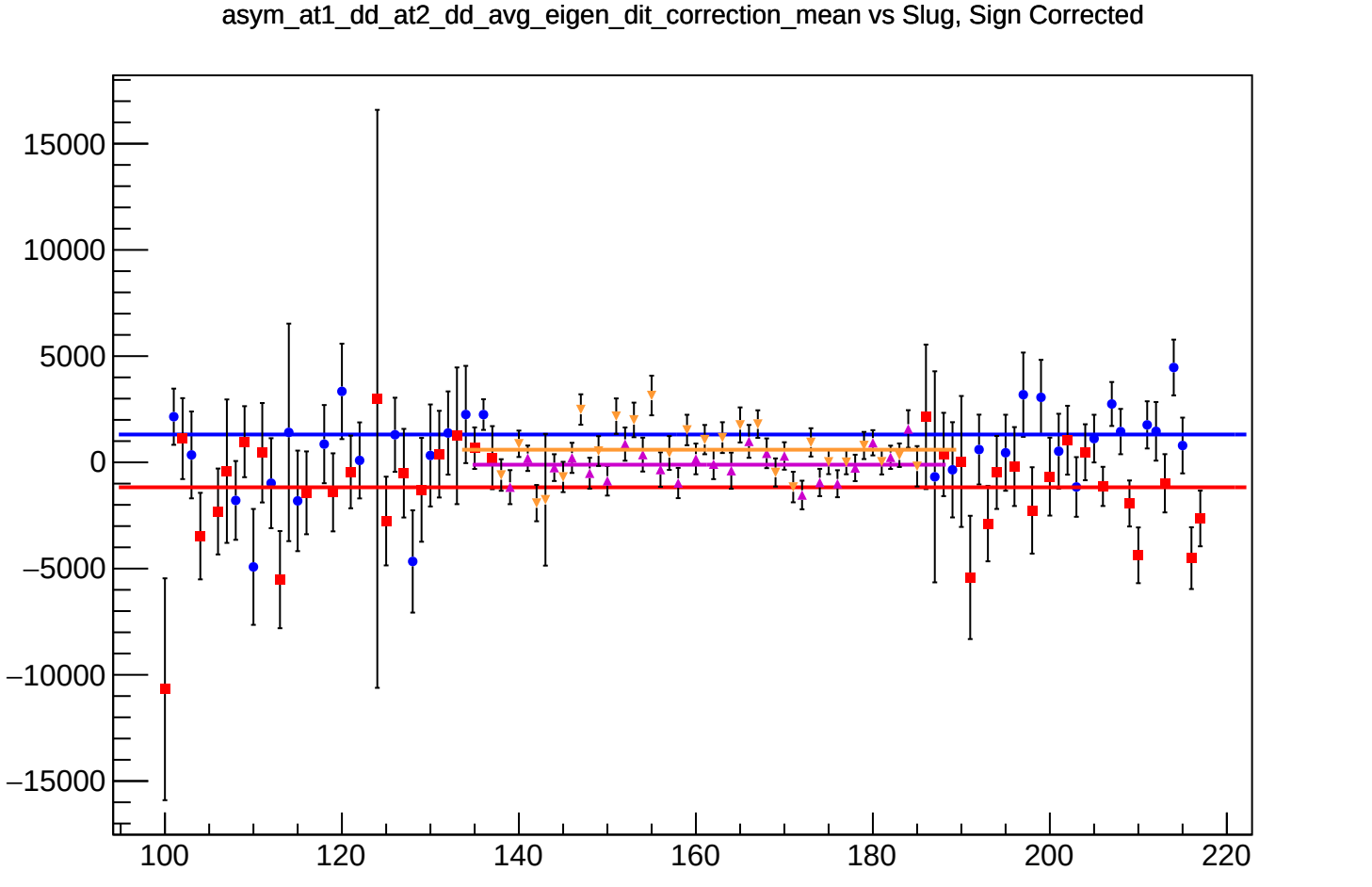
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1266.894+/-0.143 χ^2/NDF: 911591.5/66

In: 1255.843+/-0.145 χ^2/NDF:555851.7/53

Out: 1249.684+/-0.141 χ^2/NDF:547320.7/60

All: 1252.665+/-0.101 χ^2/NDF: 1104099.2/11



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: -1173.961+/-286.305 χ^2/NDF: 40.7/35

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

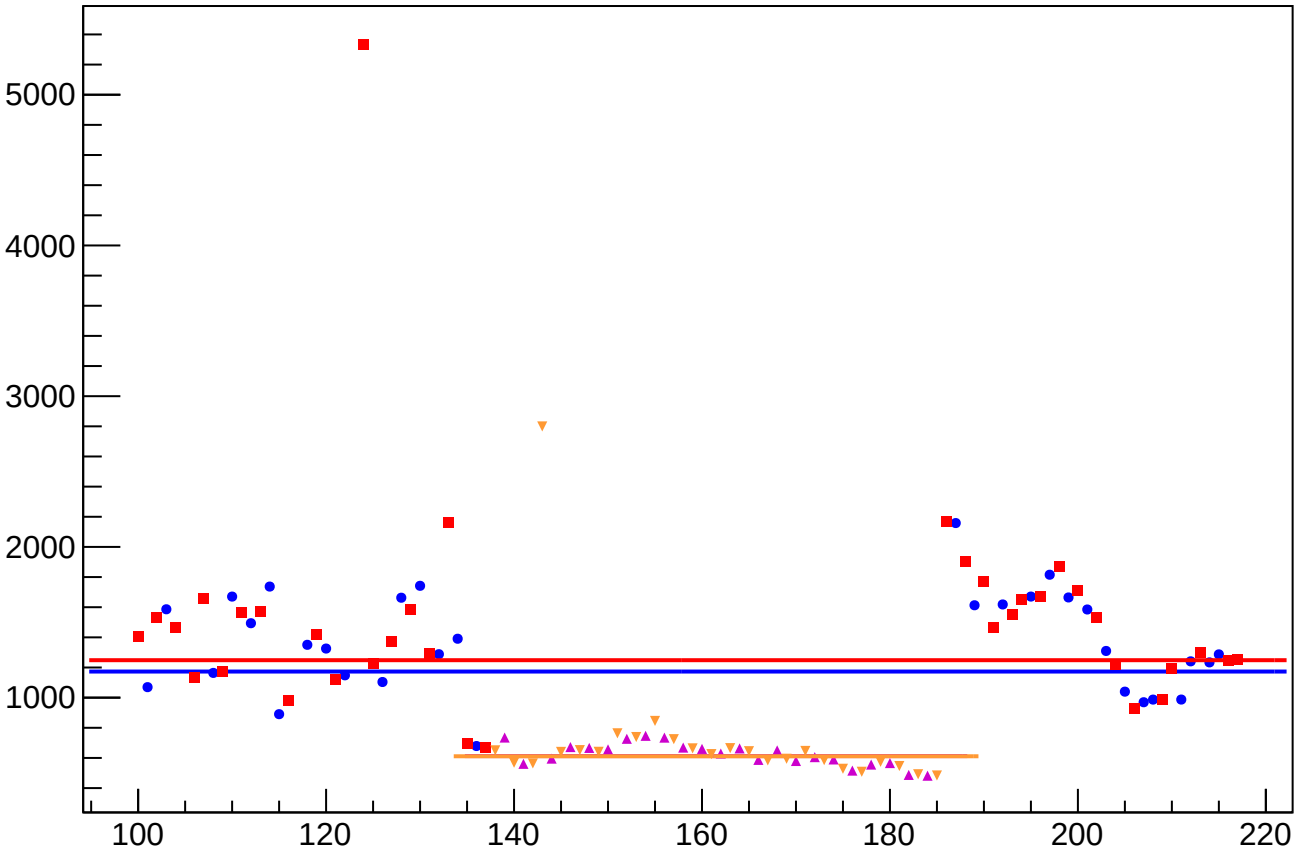
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 106.283+/-199.359 χ^2/NDF: 115.0/66

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 245.246+/-127.307 χ^2/NDF:128.7/60

All: 218.590+/-90.265 χ^2/NDF: 210.6/114



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: 1248.486+/-0.202 χ^2/NDF: 3030872.4/35

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

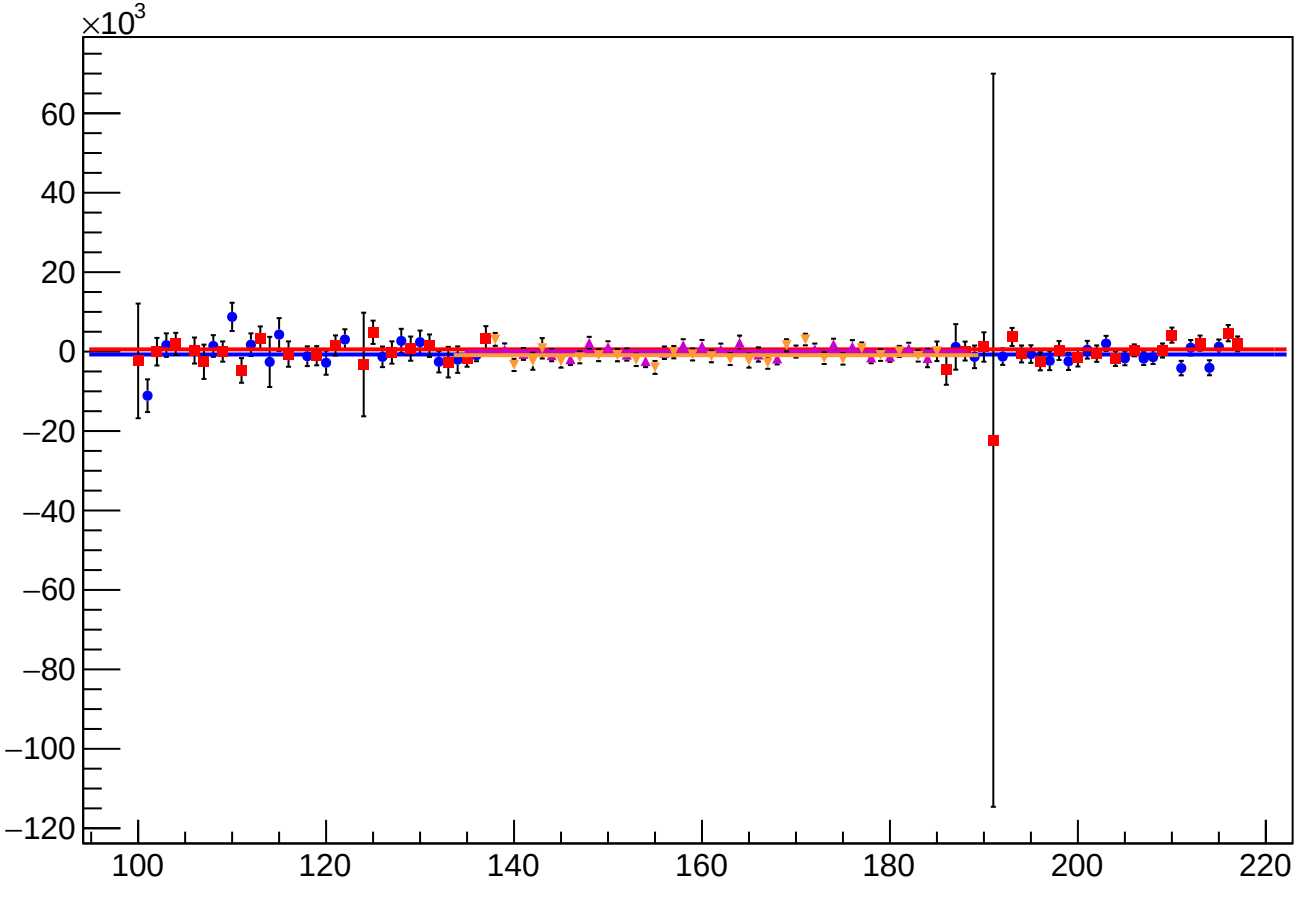
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1209.704+/-0.141 χ^2/NDF: 5748066.8/66

In: 731.499+/-0.091 χ^2/NDF:9575977.9/53

Out: 737.111+/-0.090 χ^2/NDF:12603064.4/60

All: 734.320+/-0.064 χ^2/NDF: 22180975.1/11



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: 563.449+/-419.443 χ^2/NDF: 27.6/35

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

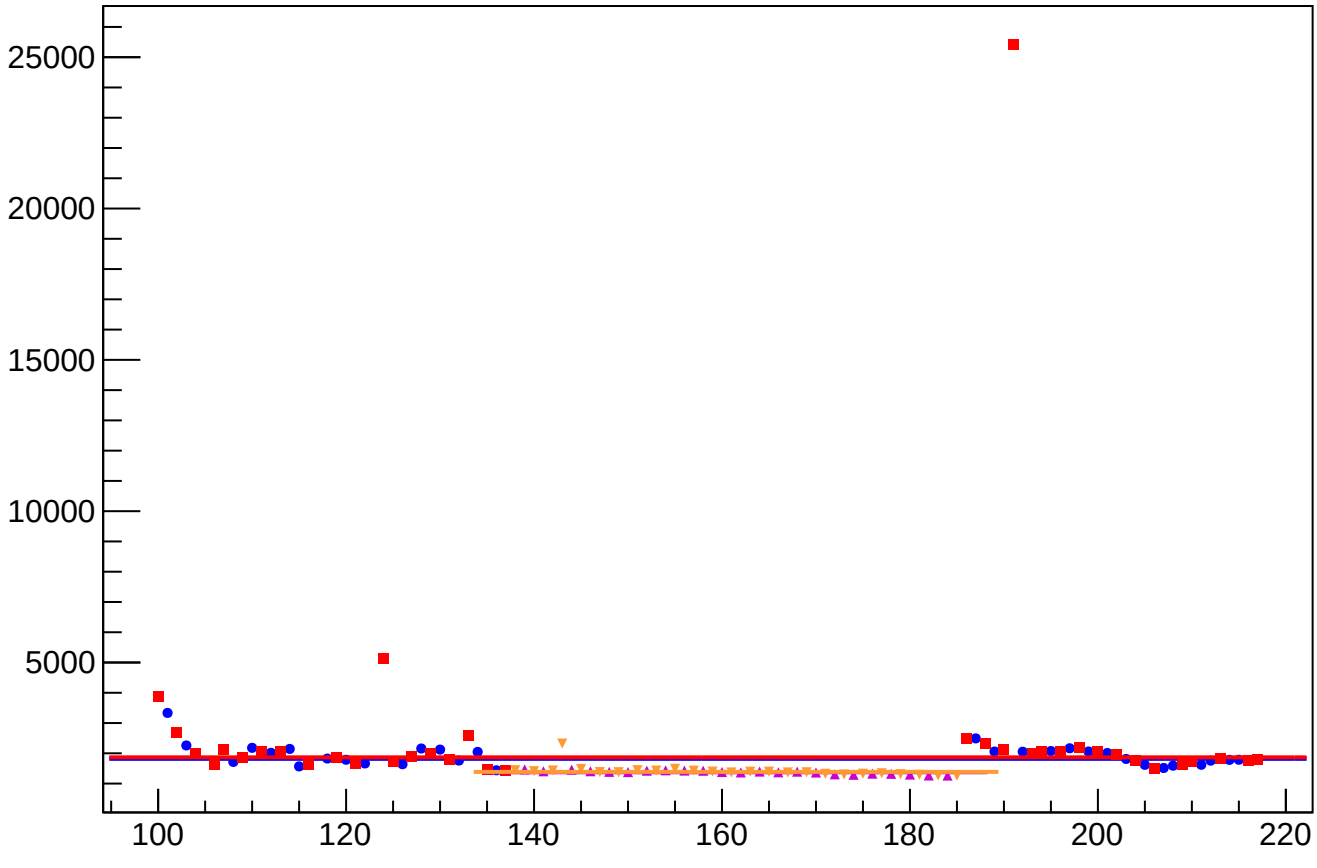
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -79.333+/-296.520 χ^2/NDF: 68.1/66

In: -236.201+/-254.835 χ^2/NDF:55.8/53

Out: -369.095+/-252.618 χ^2/NDF:65.2/60

All: -303.228+/-179.407 χ^2/NDF: 121.1/114



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: 1866.677+/-0.297 χ^2/NDF: 1059515.3/35

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

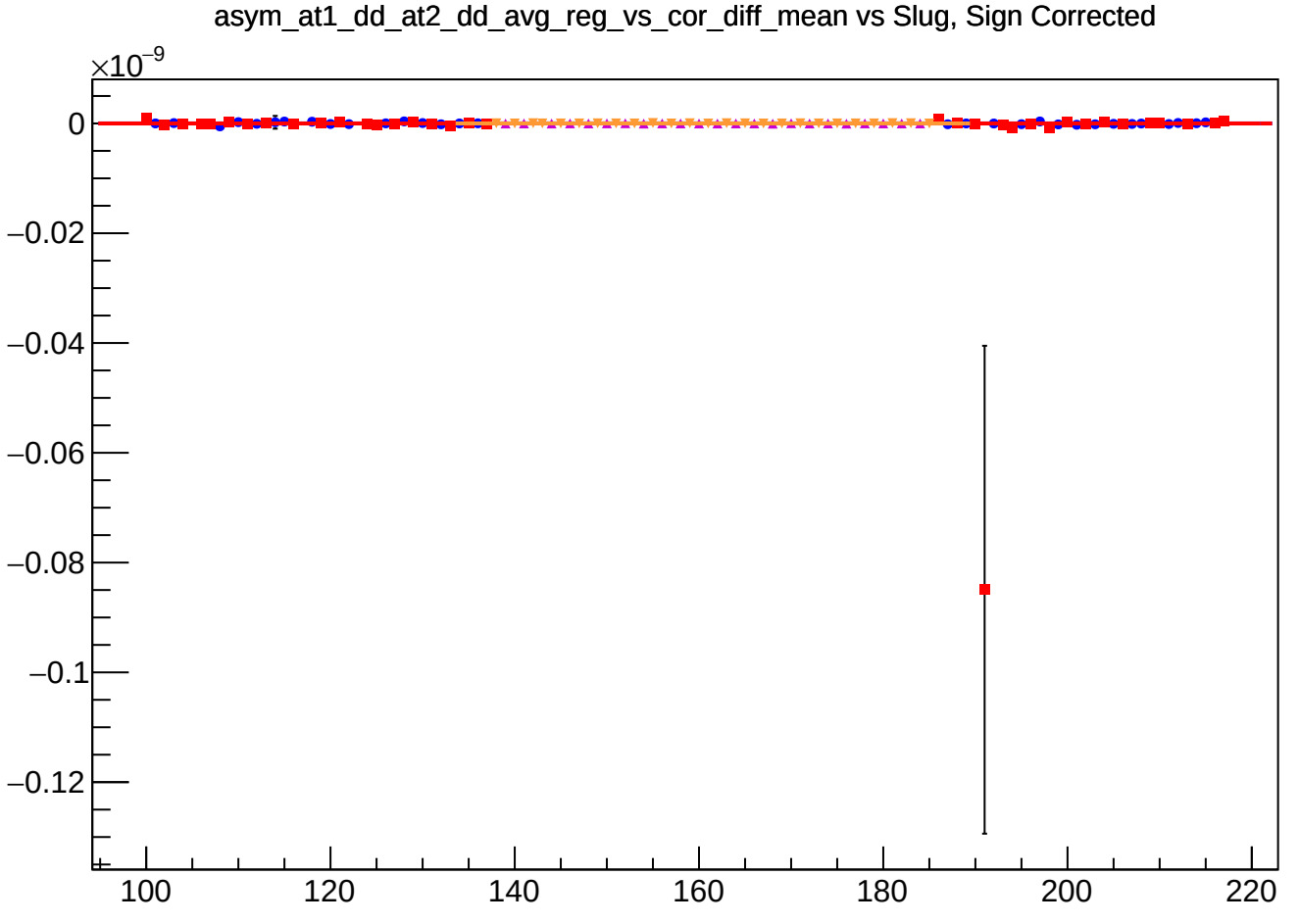
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1842.067+/-0.210 χ^2/NDF: 1966884.1/66

In: 1537.362+/-0.180 χ^2/NDF:2374136.6/53

Out: 1560.896+/-0.179 χ^2/NDF:3067281.6/60

All: 1549.232+/-0.127 χ^2/NDF: 5450021.0/11



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: 56.8/35

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

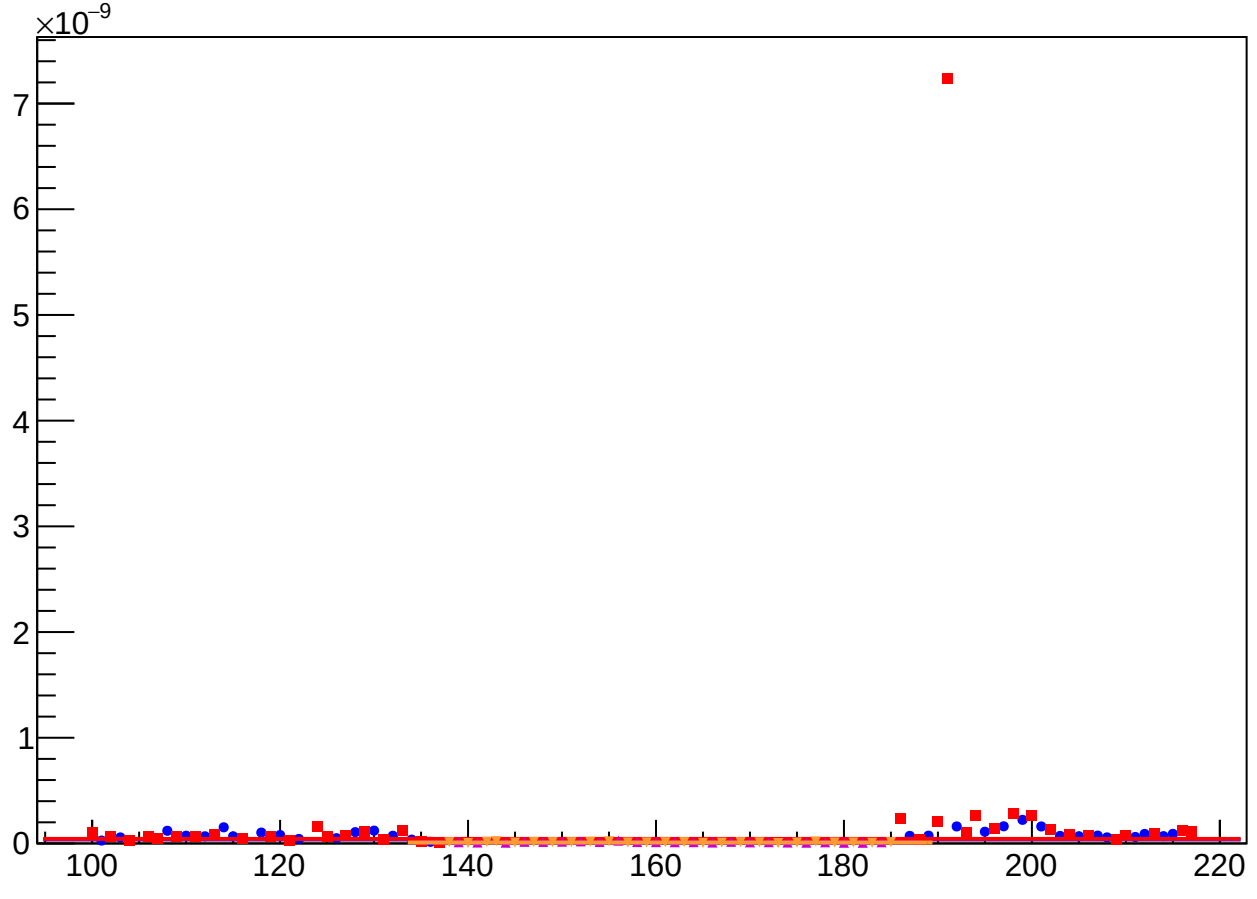
Right: 0.000+/-0.000 χ^2/NDF: 84.4/66

In: 0.000+/-0.000 χ^2/NDF:40.8/53

Out: 0.000+/-0.000 χ^2/NDF:81.9/60

All: 0.000+/-0.000 χ^2/NDF: 122.8/114

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: 7667075.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

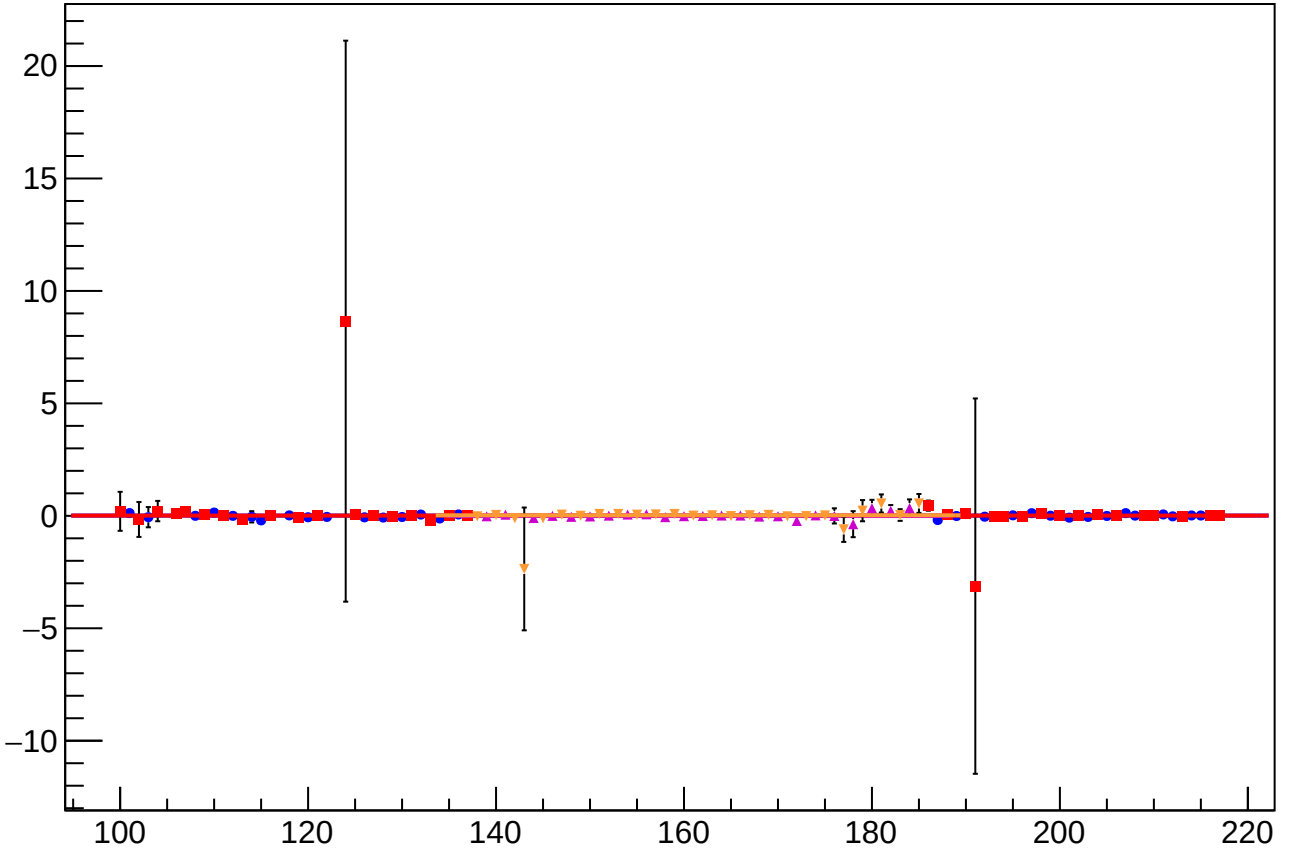
Right: 0.000+/-0.000 χ^2/NDF: 14757321.3/66

In: 0.000+/-0.000 χ^2/NDF:13189312.6/53

Out: 0.000+/-0.000 χ^2/NDF:16208627.6/60

All: 0.000+/-0.000 χ^2/NDF: 29734052.0/114

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

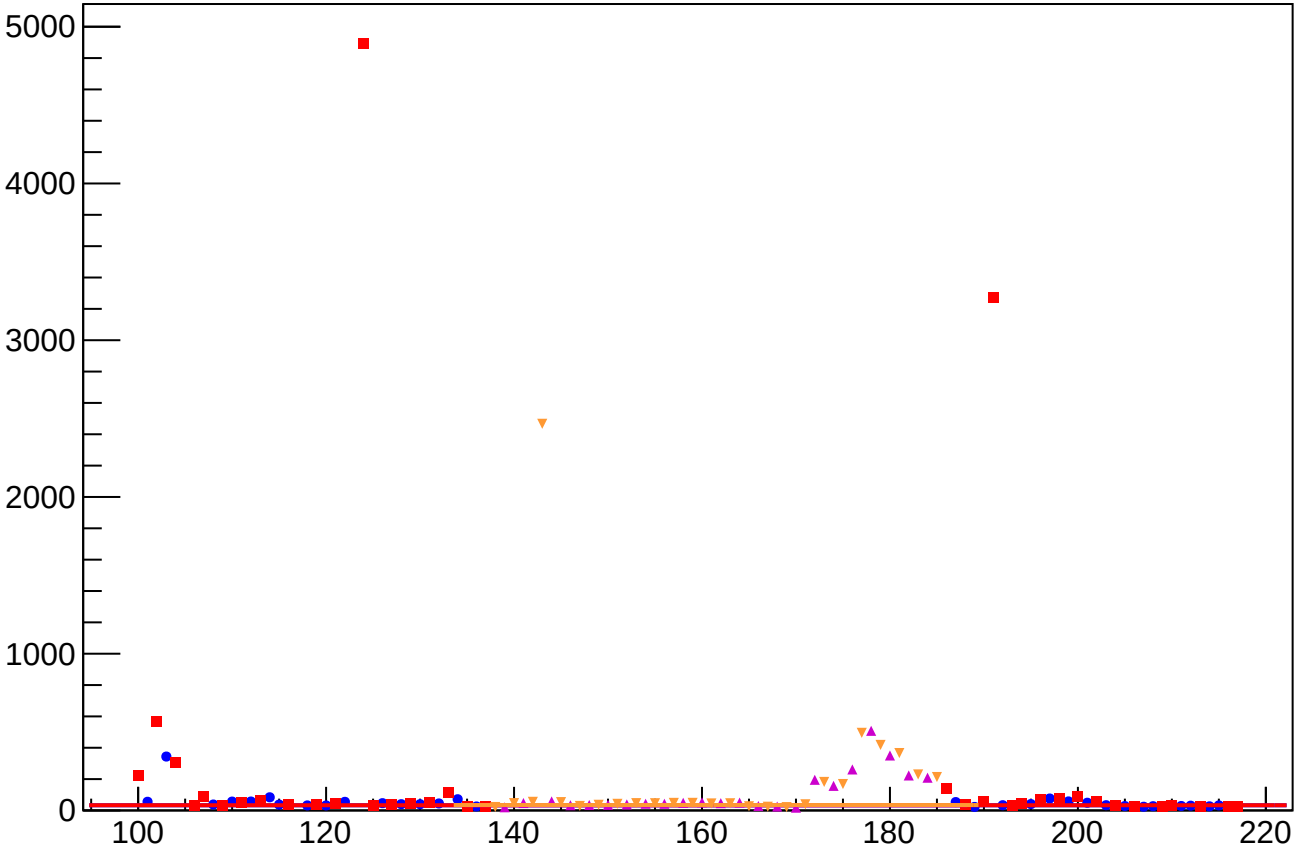
Right: 0.011+/-0.006 χ^2/NDF: 69.5/66

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.009+/-0.005 χ^2/NDF: 112.8/114

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: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

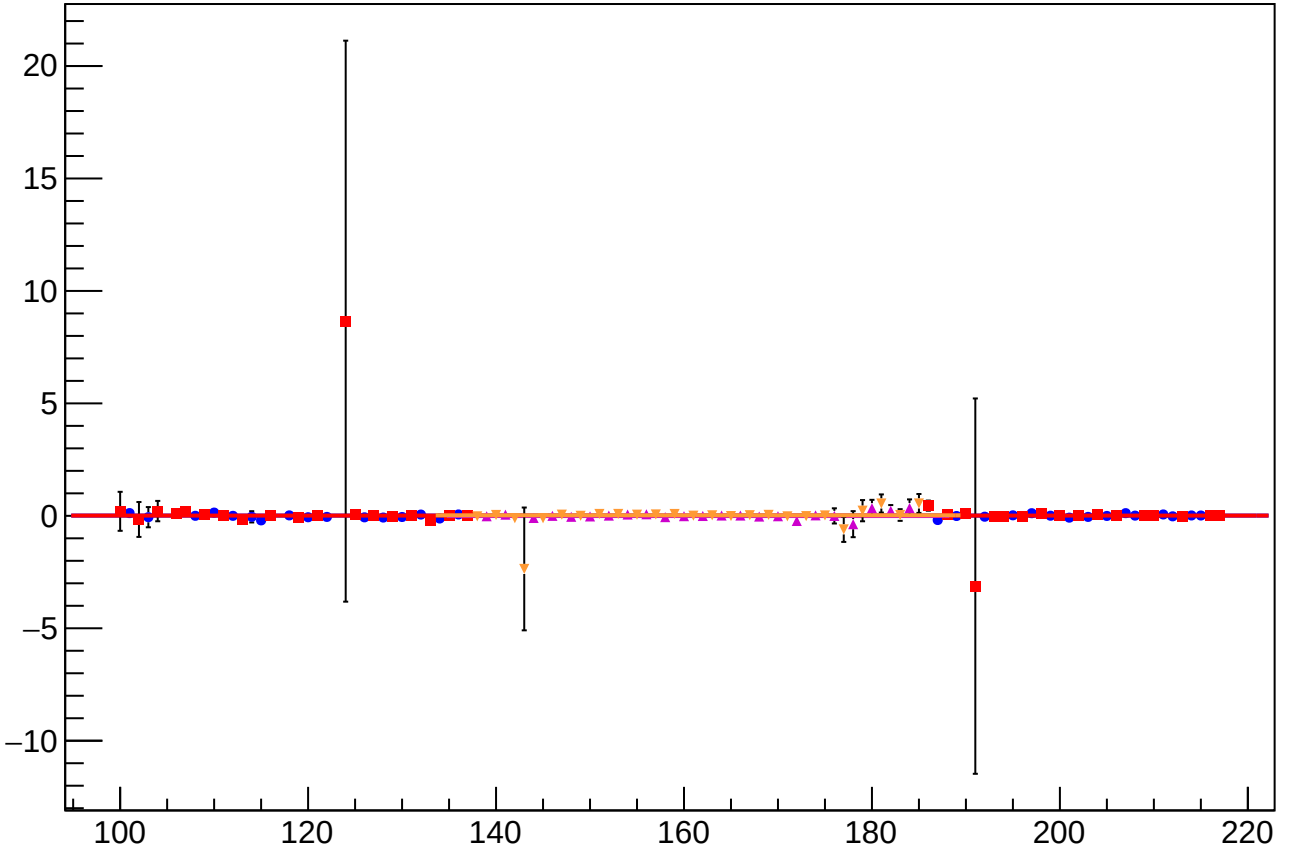
Right: 33.101+/-0.004 χ^2/NDF: 10529526.4/66

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 33.850+/-0.005 χ^2/NDF:18216880.4/60

All: 33.526+/-0.003 χ^2/NDF: 32032214.1/114

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: 0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

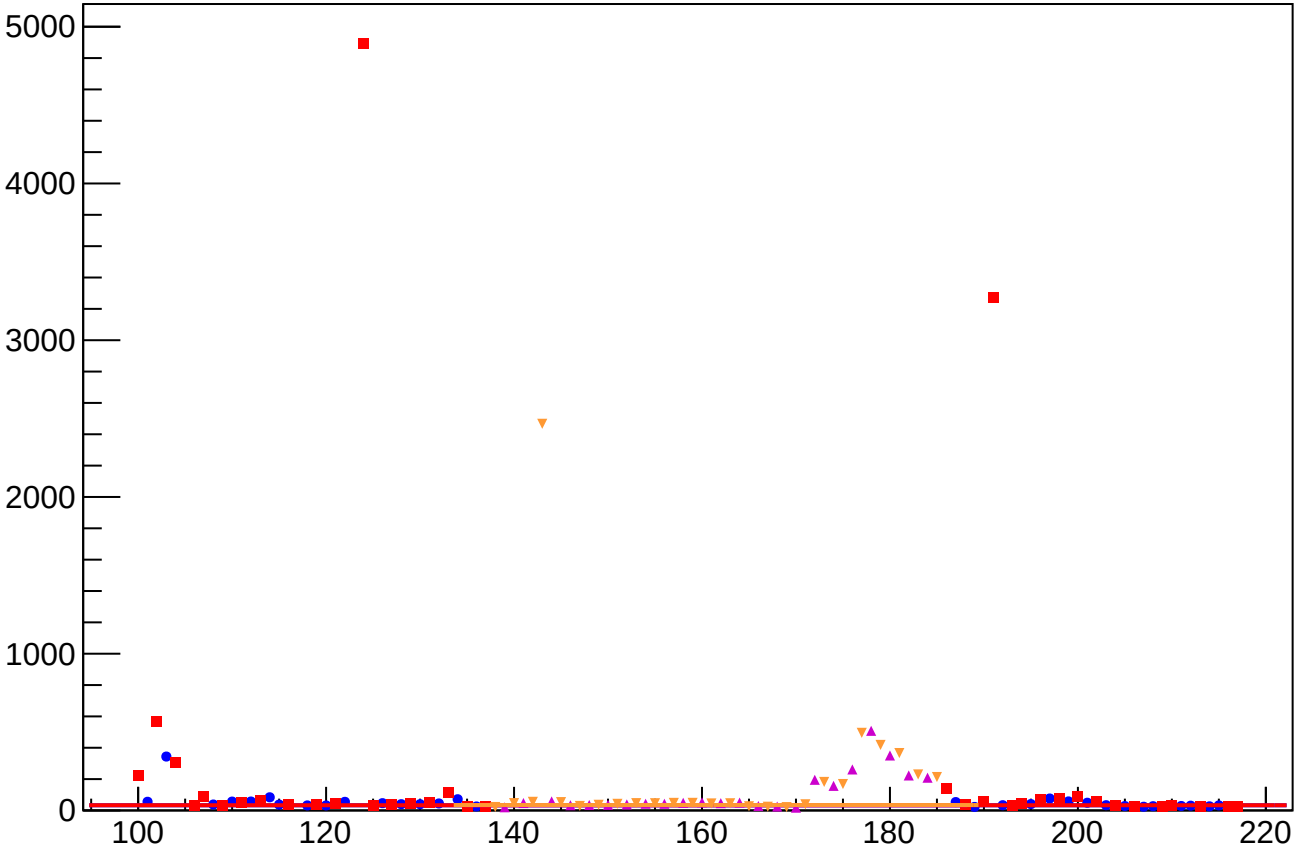
Right: 0.011+/-0.006 χ^2/NDF: 69.5/66

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.009+/-0.005 χ^2/NDF: 112.8/114

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: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

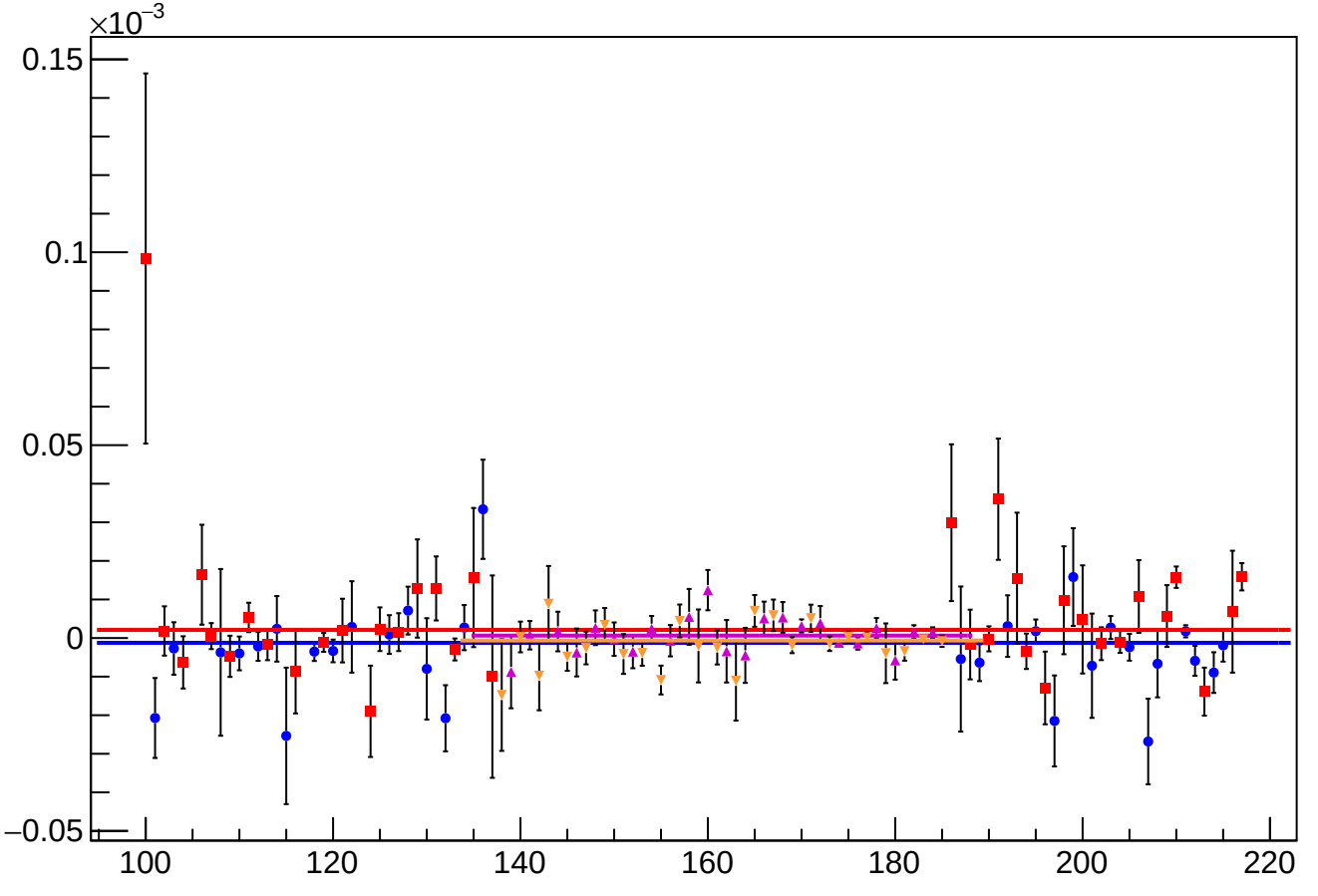
Right: 33.101+/-0.004 χ^2/NDF: 10529526.4/66

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 33.850+/-0.005 χ^2/NDF:18216880.4/60

All: 33.526+/-0.003 χ^2/NDF: 32032214.1/114

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 45.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 83.9/35

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

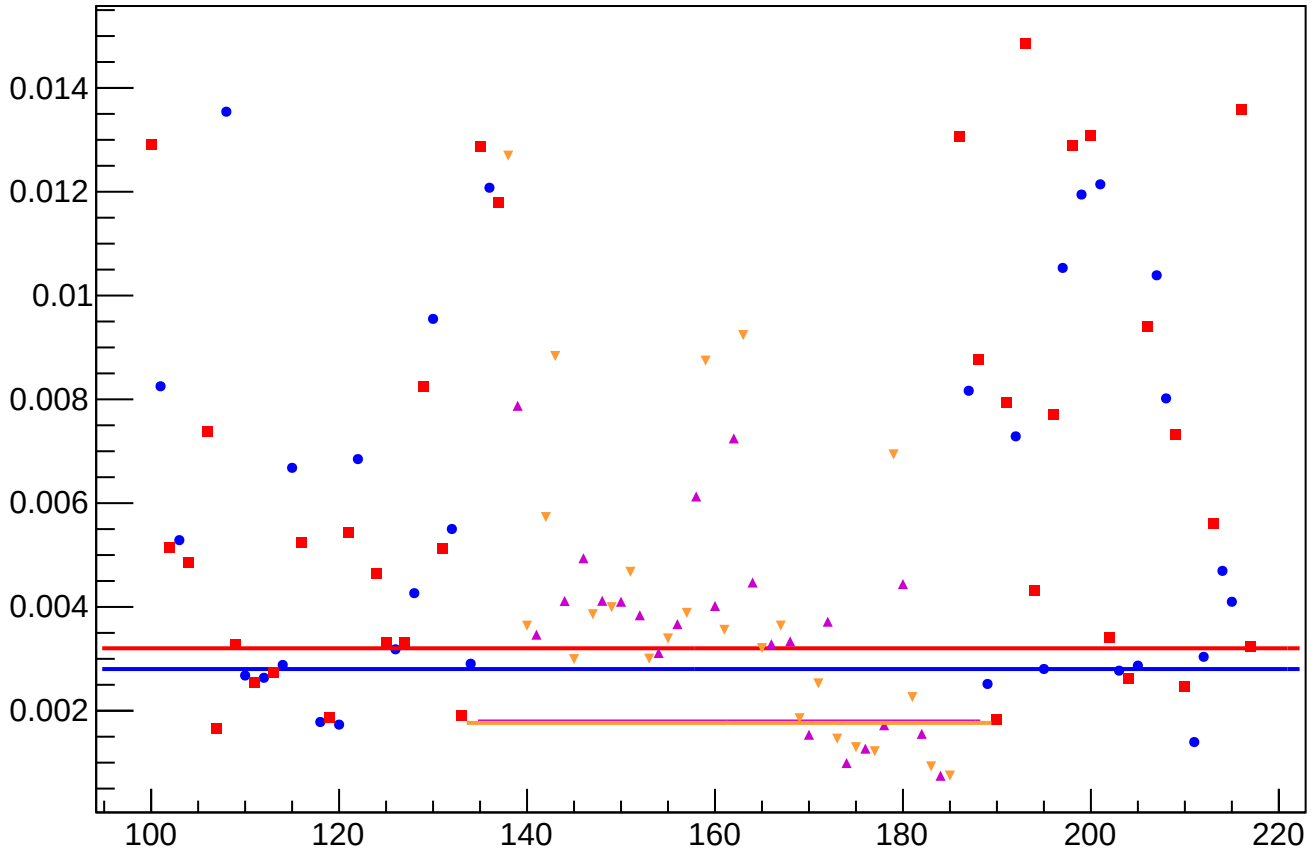
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: 0.000+/-0.000 χ^2/NDF: 137.0/66

In: 0.000+/-0.000 χ^2/NDF:70.7/53

Out: 0.000+/-0.000 χ^2/NDF:119.8/60

All: 0.000+/-0.000 χ^2/NDF: 190.5/114



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: 11597710.9/35

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

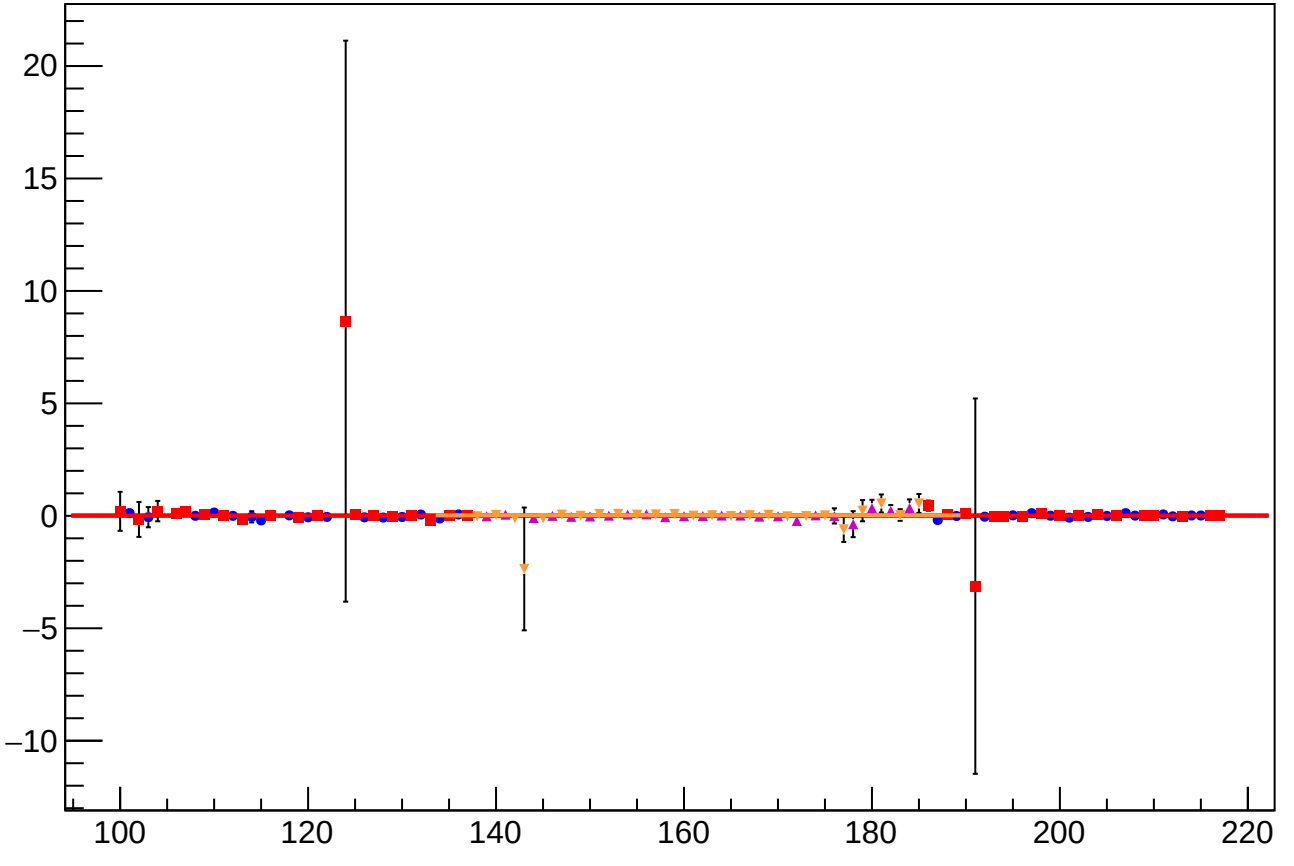
Right: 0.003+/-0.000 χ^2/NDF: 23355308.2/66

In: 0.002+/-0.000 χ^2/NDF:24463265.0/53

Out: 0.002+/-0.000 χ^2/NDF:28658476.9/60

All: 0.002+/-0.000 χ^2/NDF: 53126894.1/114

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: 0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

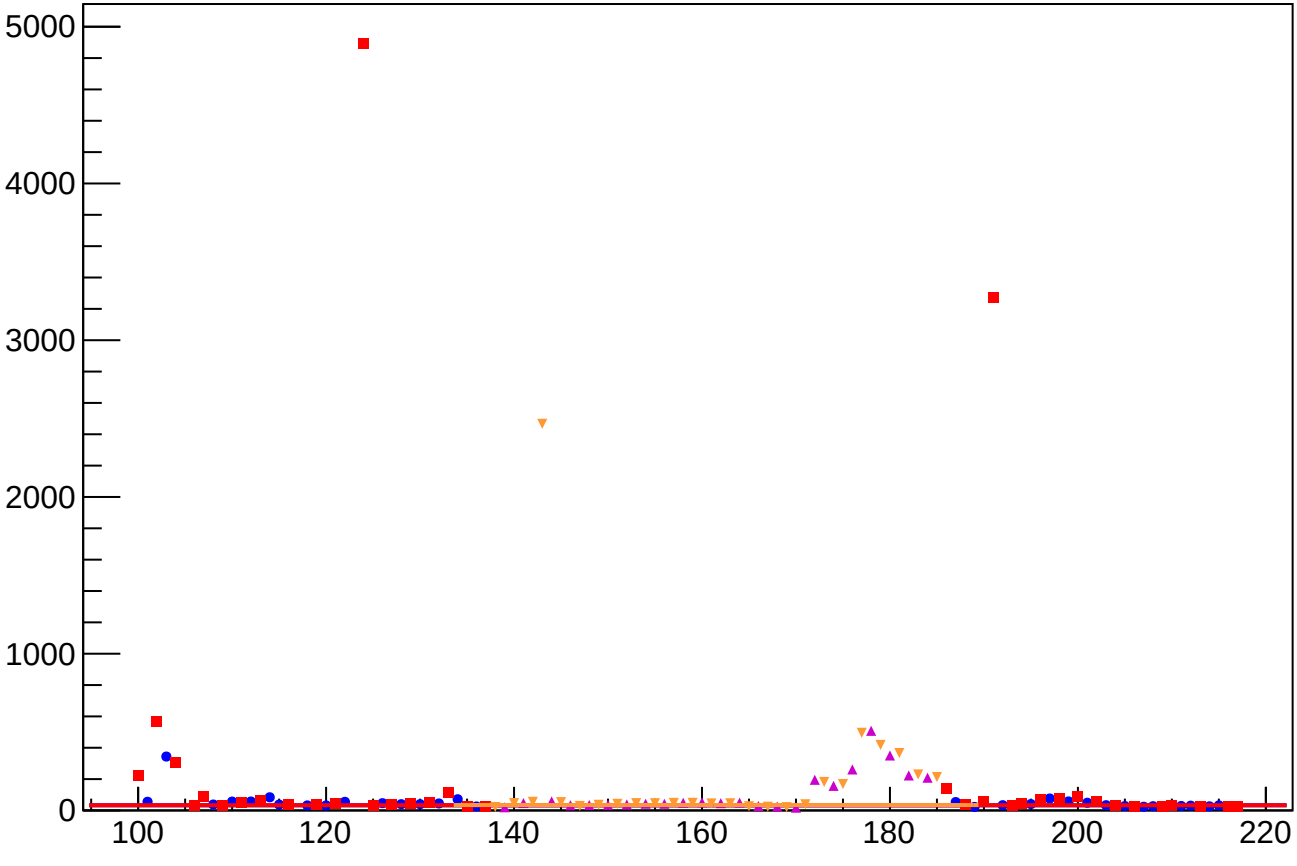
Right: 0.011+/-0.006 χ^2/NDF: 69.5/66

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.009+/-0.005 χ^2/NDF: 112.8/114

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: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

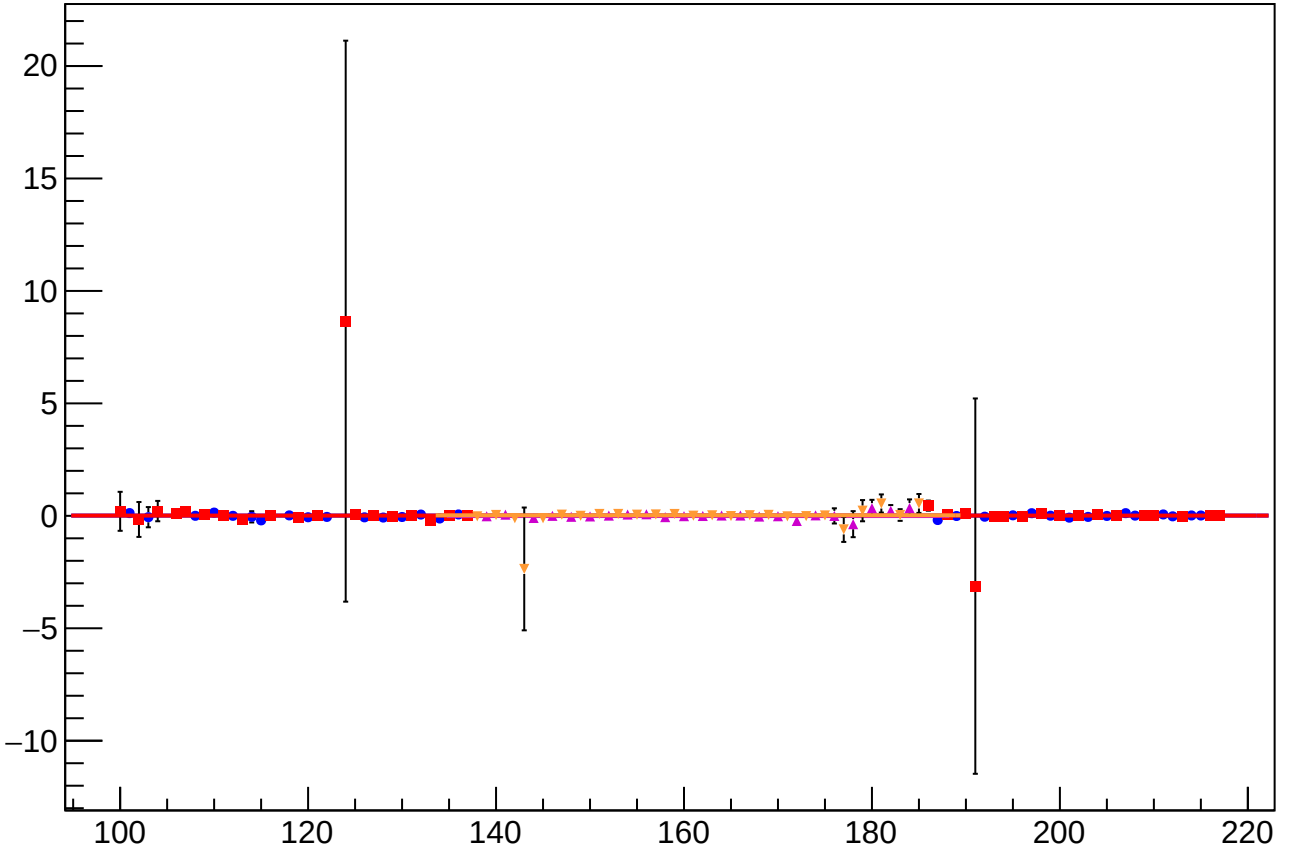
Right: 33.102+/-0.004 χ^2/NDF: 10528156.4/66

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 33.850+/-0.005 χ^2/NDF:18216834.2/60

All: 33.527+/-0.003 χ^2/NDF: 32029587.7/114

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: 0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

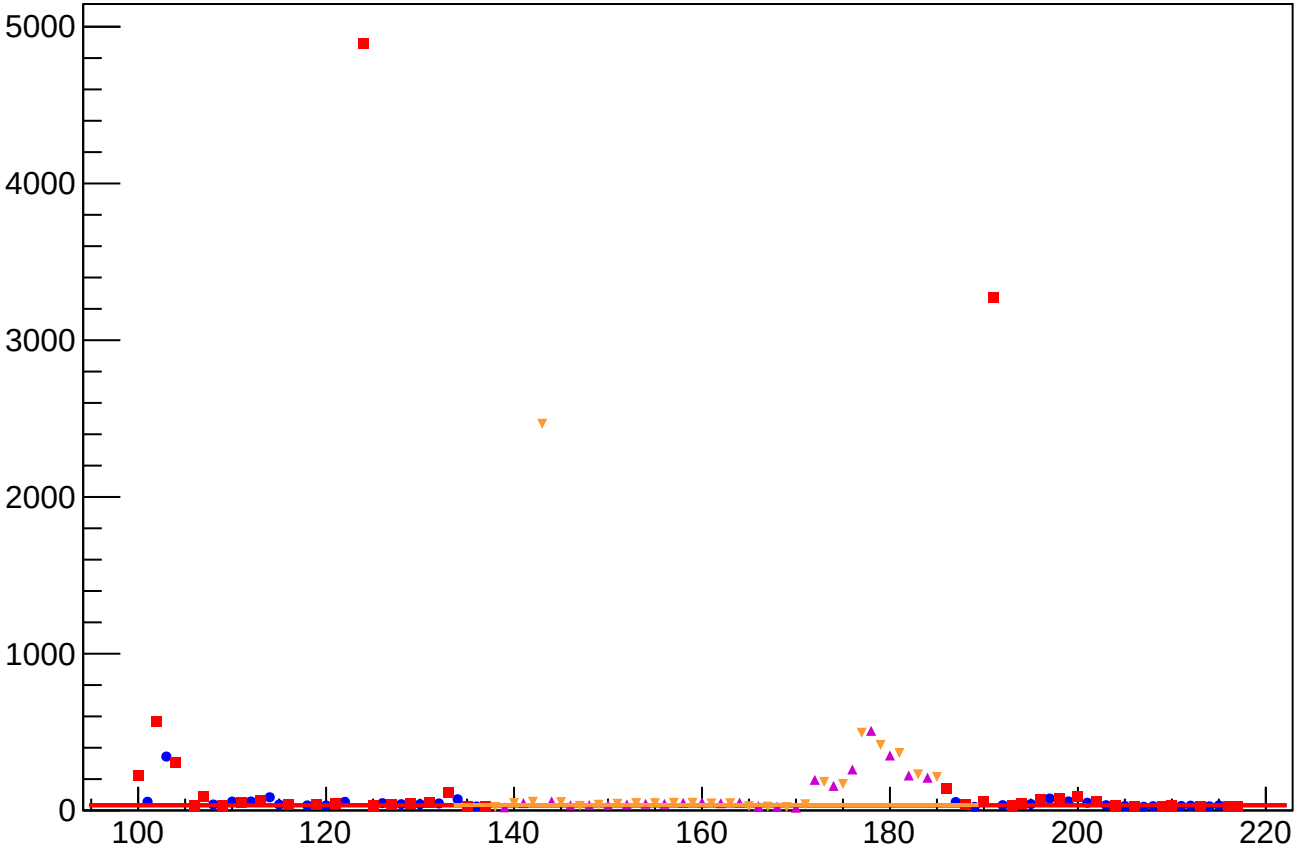
Right: 0.011+/-0.006 χ^2/NDF: 69.5/66

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.016+/-0.007 χ^2/NDF:48.2/60

All: 0.009+/-0.005 χ^2/NDF: 112.8/114

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: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

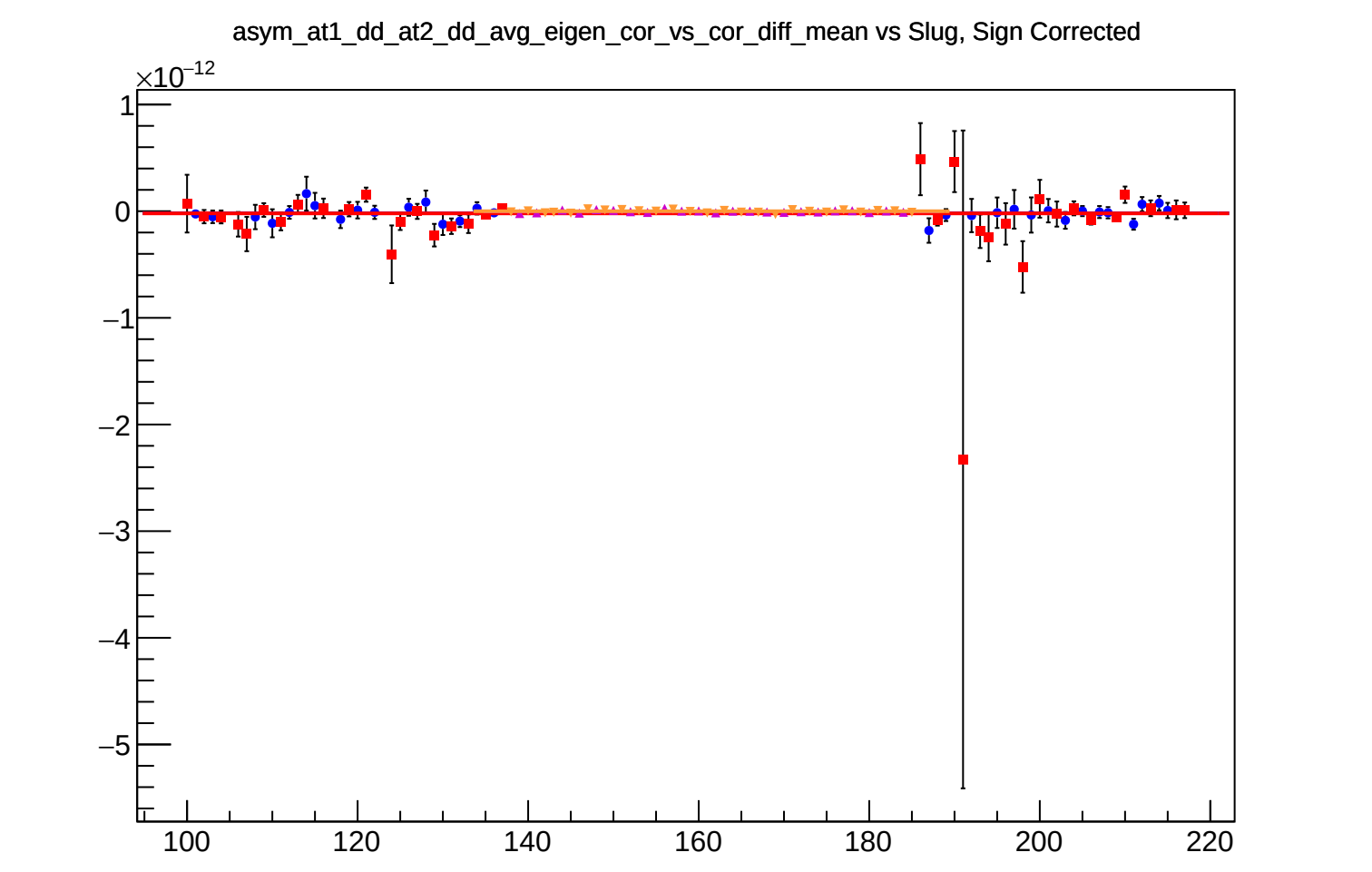
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 33.102+/-0.004 χ^2/NDF: 10528156.4/66

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 33.850+/-0.005 χ^2/NDF:18216834.2/60

All: 33.527+/-0.003 χ^2/NDF: 32029587.7/114



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: 50.9/35

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

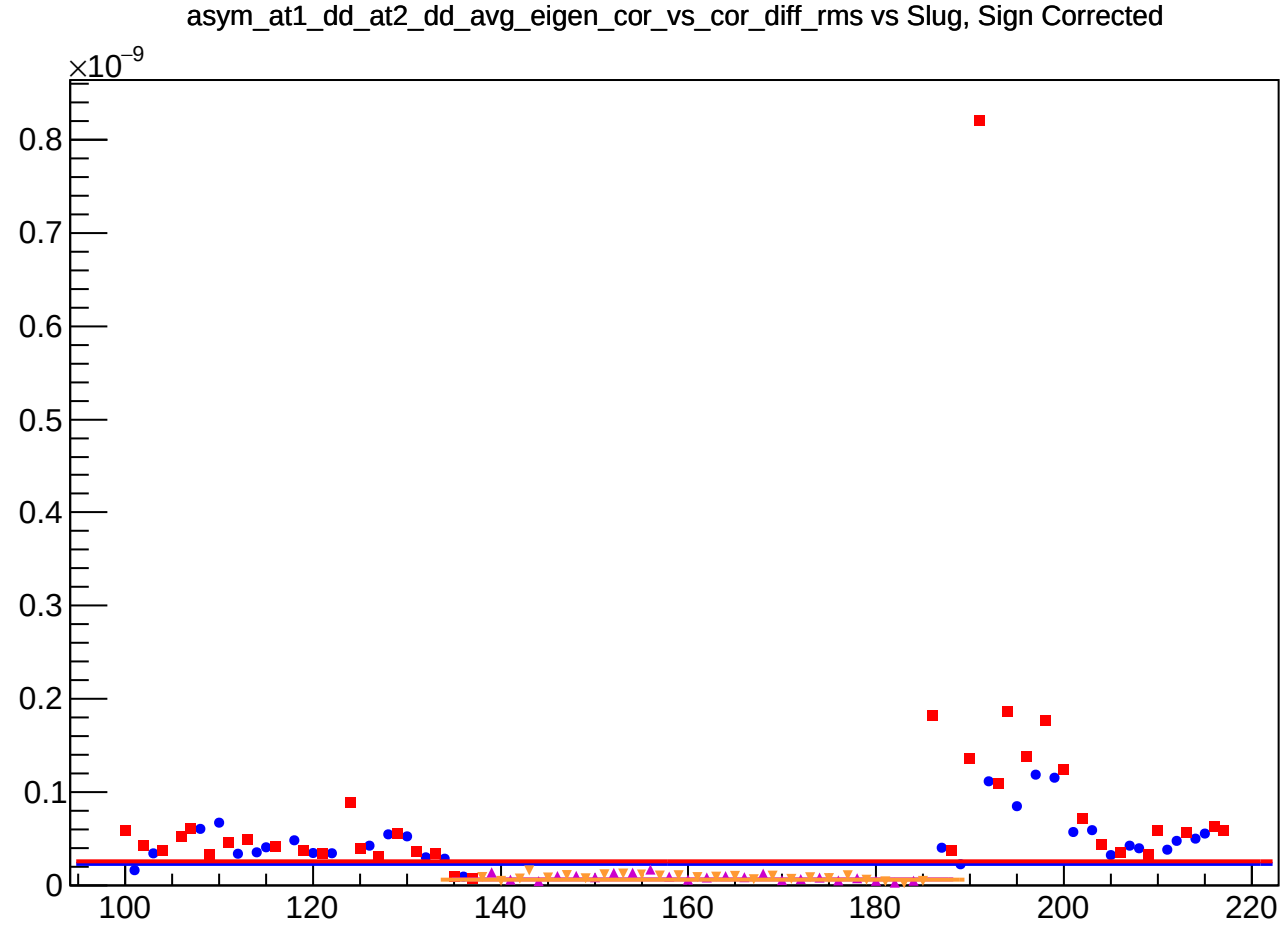
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

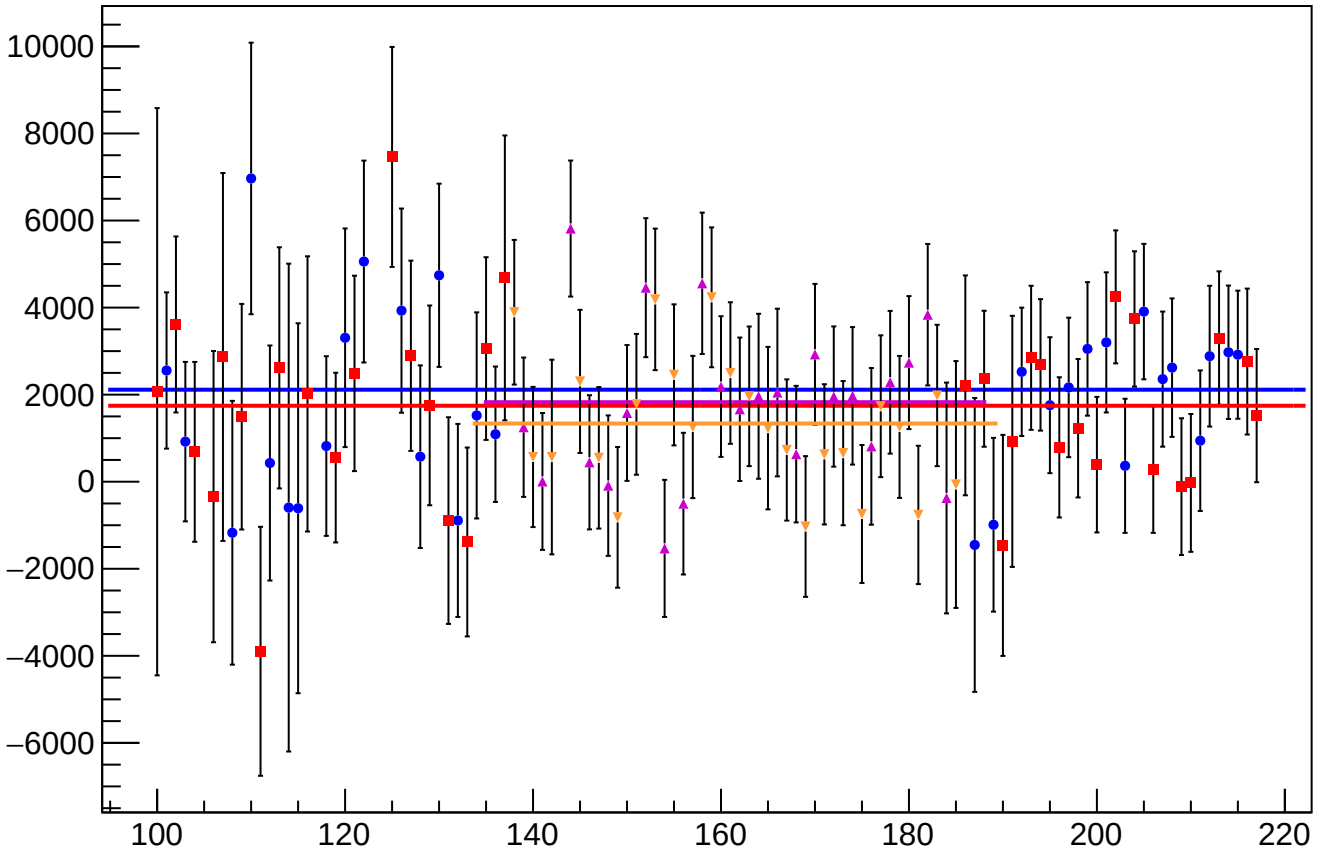
Right: -0.000+/-0.000 χ^2/NDF: 70.0/66

In: -0.000+/-0.000 χ^2/NDF:42.6/53

Out: -0.000+/-0.000 χ^2/NDF:81.2/60

All: -0.000+/-0.000 χ^2/NDF: 124.3/114


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8535778.2/30
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 11271684.6/35
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
Left: 0.000+/-0.000 χ²/NDF: 9096603.9/47
Right: 0.000+/-0.000 χ²/NDF: 19896871.9/66
In: 0.000+/-0.000 χ²/NDF:19371915.8/53
Out: 0.000+/-0.000 χ²/NDF:24323928.8/60
All: 0.000+/-0.000 χ²/NDF: 43731684.8/114



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: 1744.908+/-332.499 χ^2/NDF: 29.3/34

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

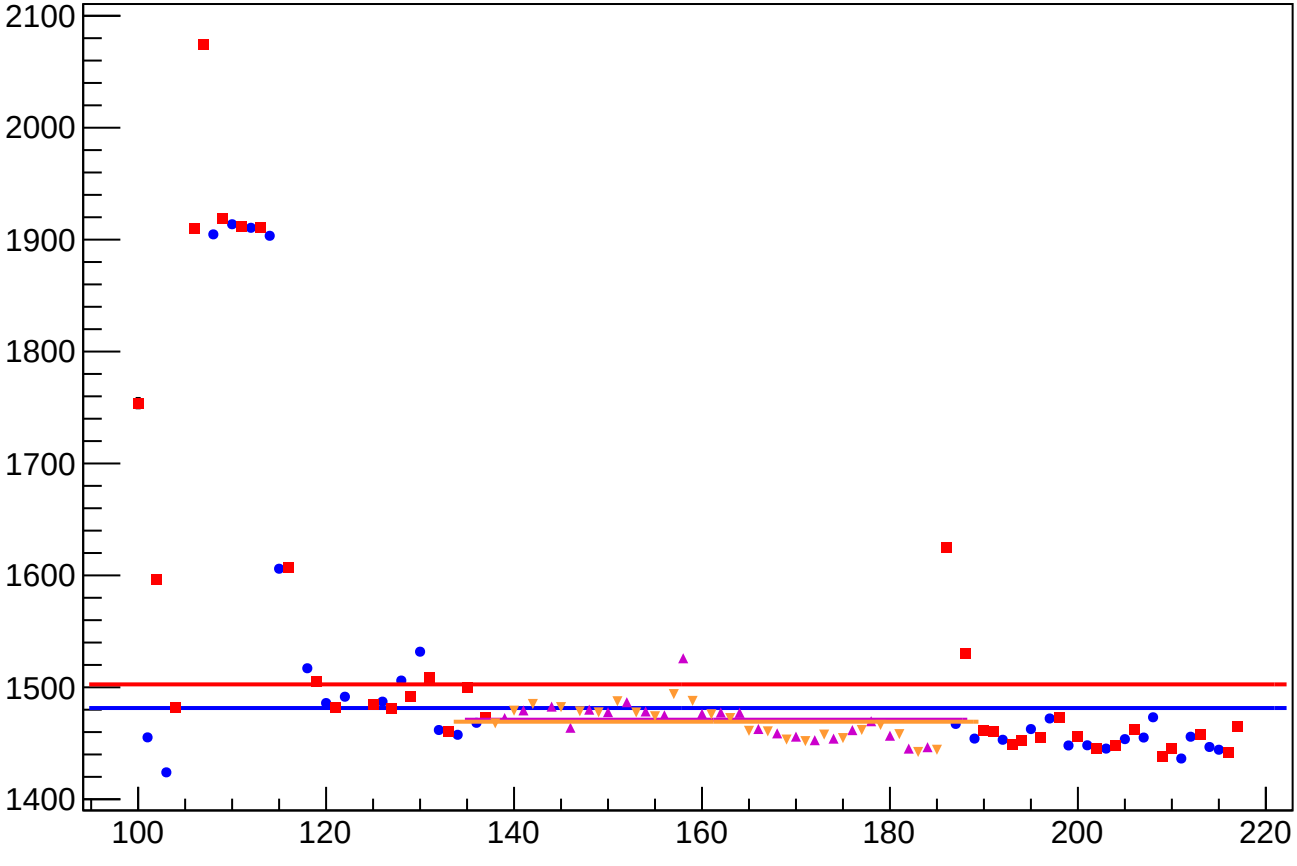
Right: 1926.387+/-236.973 χ^2/NDF: 50.9/65

In: 1972.546+/-240.854 χ^2/NDF:47.8/53

Out: 1546.113+/-238.065 χ^2/NDF:49.2/58

All: 1756.847+/-169.315 χ^2/NDF: 98.6/112

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: 1502.624+/-0.235 χ^2/NDF: 246614.6/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

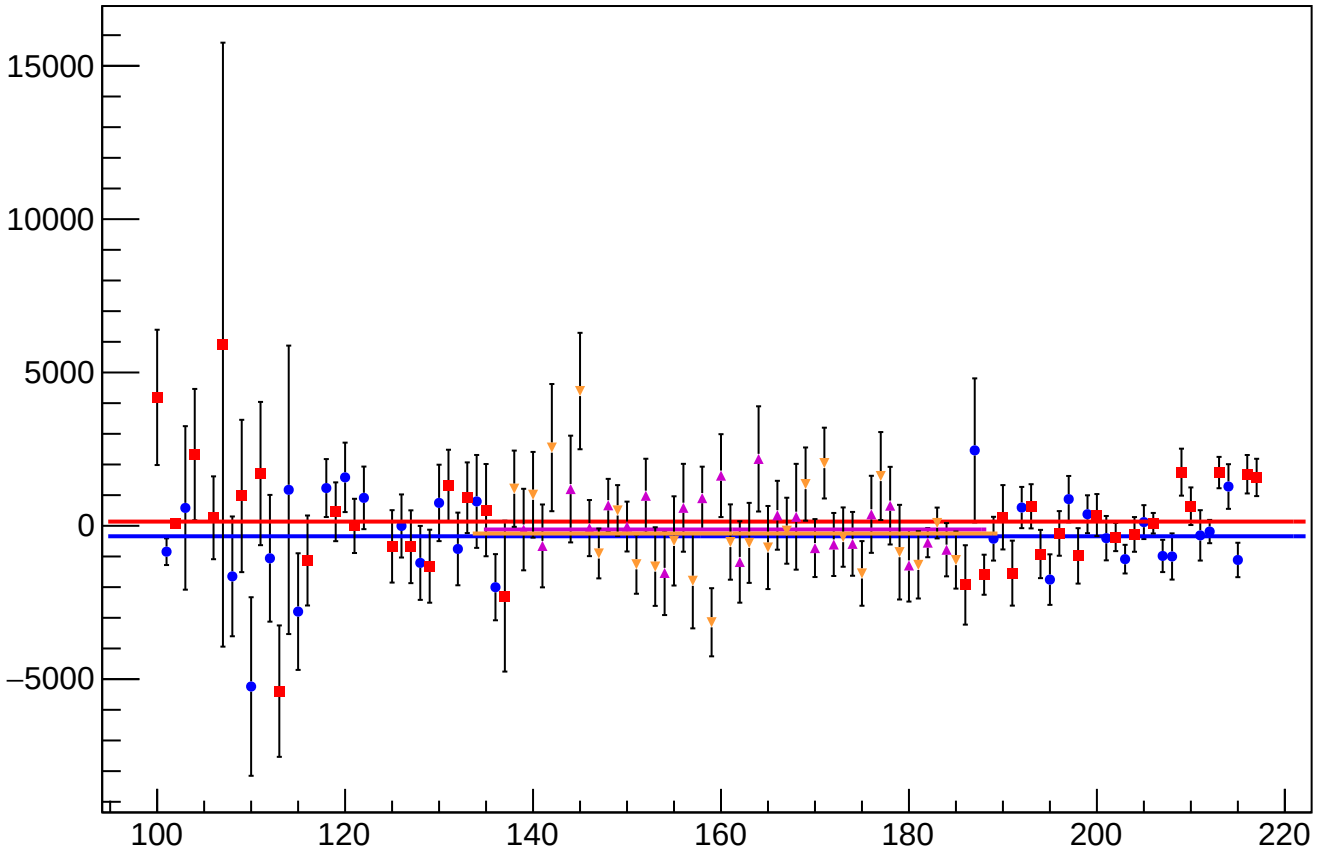
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1492.225+/-0.168 χ^2/NDF: 406622.1/65

In: 1476.359+/-0.170 χ^2/NDF:161612.7/53

Out: 1486.367+/-0.168 χ^2/NDF:259580.4/58

All: 1481.421+/-0.120 χ^2/NDF: 422939.8/112



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: 137.925+/-97.550 χ^2/NDF: 62.8/34

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

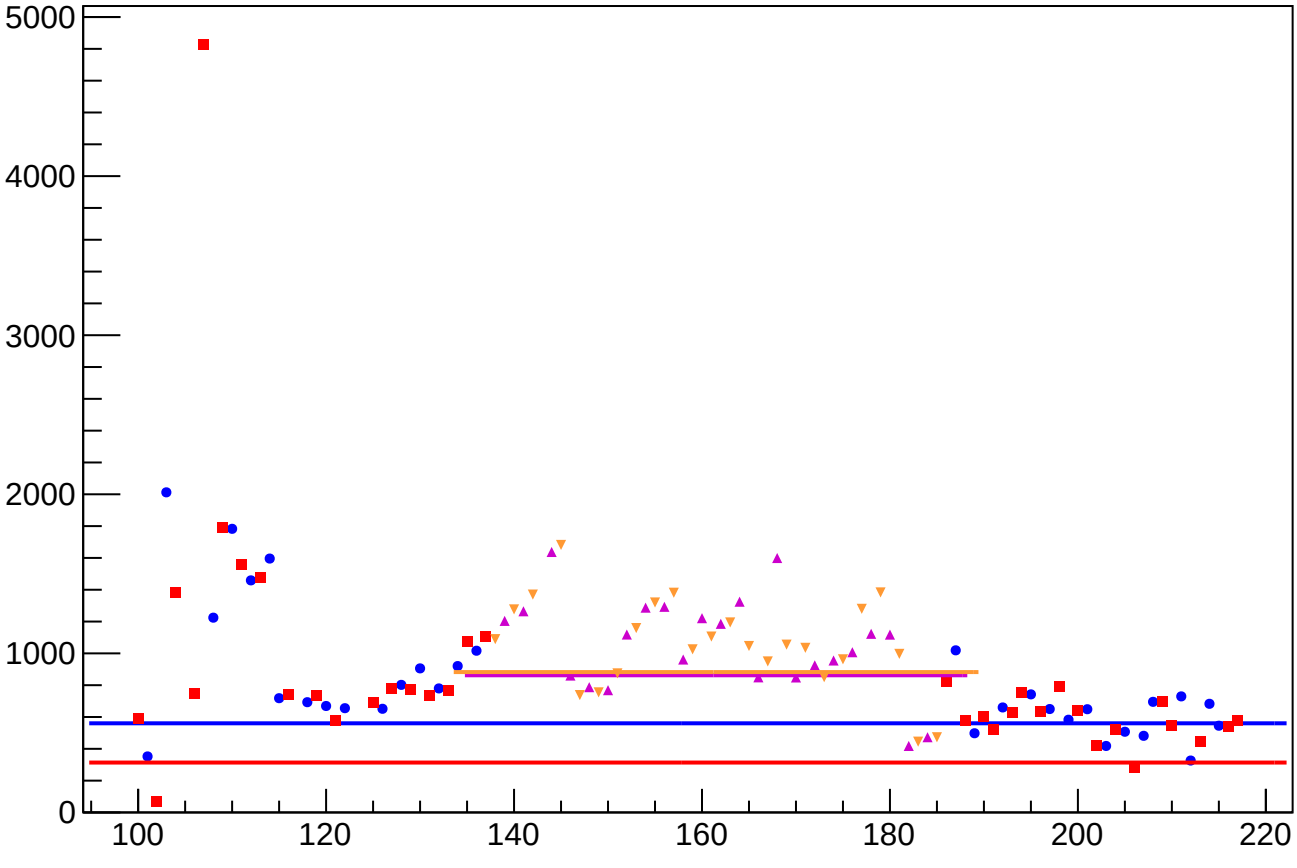
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -21.276+/-79.706 χ^2/NDF: 111.8/65

In: -276.735+/-116.439 χ^2/NDF:54.6/53

Out: 73.122+/-89.067 χ^2/NDF:98.1/58

All: -56.021+/-70.743 χ^2/NDF: 158.4/112



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: 313.684+/-0.069 χ^2/NDF: 17371207.5/34

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

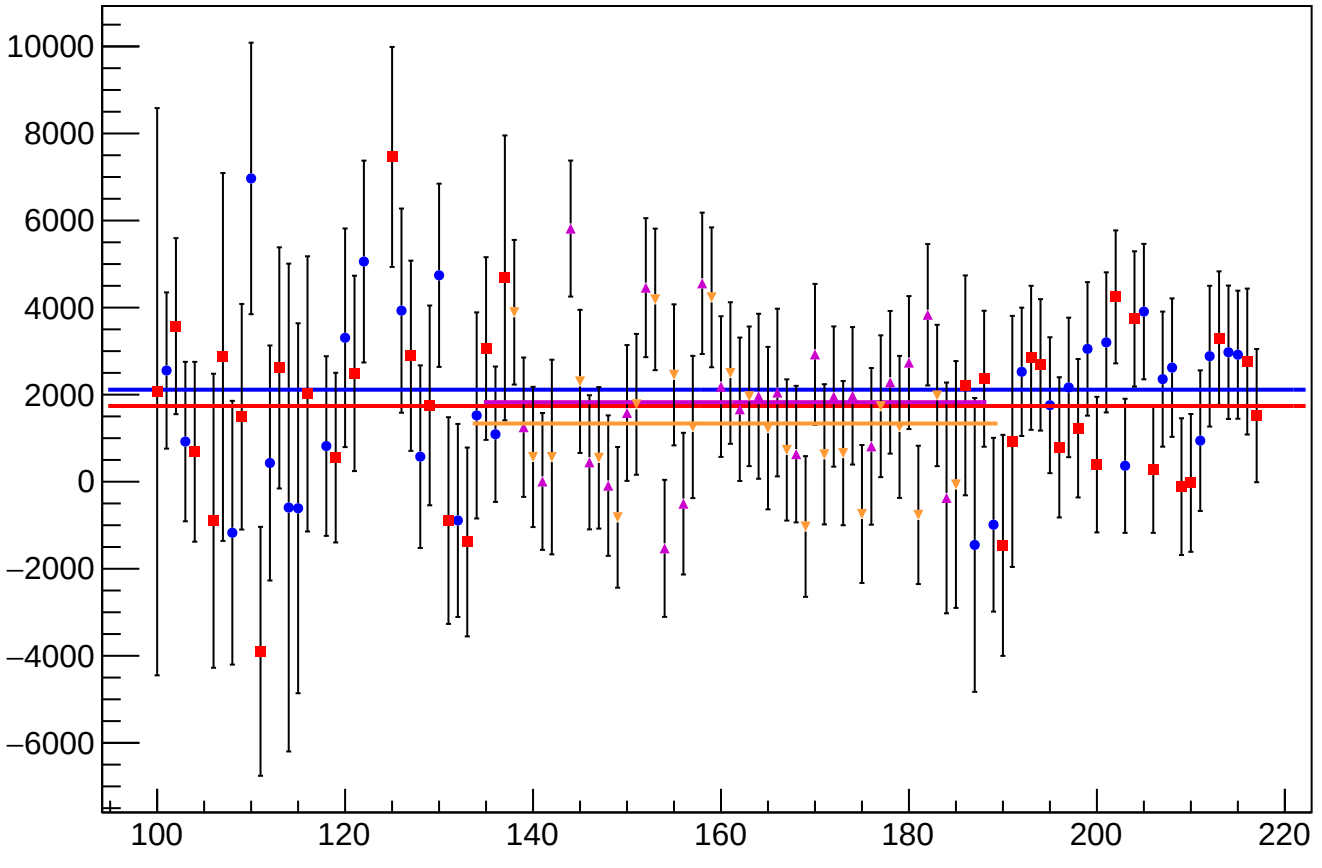
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 395.695+/-0.056 χ^2/NDF: 26121174.0/65

In: 648.164+/-0.082 χ^2/NDF:11638207.9/53

Out: 408.300+/-0.063 χ^2/NDF:32582474.1/58

All: 496.841+/-0.050 χ^2/NDF: 49574992.3/11



Right In: 2113.800+/-337.826 χ^2/NDF: 21.0/30

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1738.872+/-332.532 χ^2/NDF: 29.5/34

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

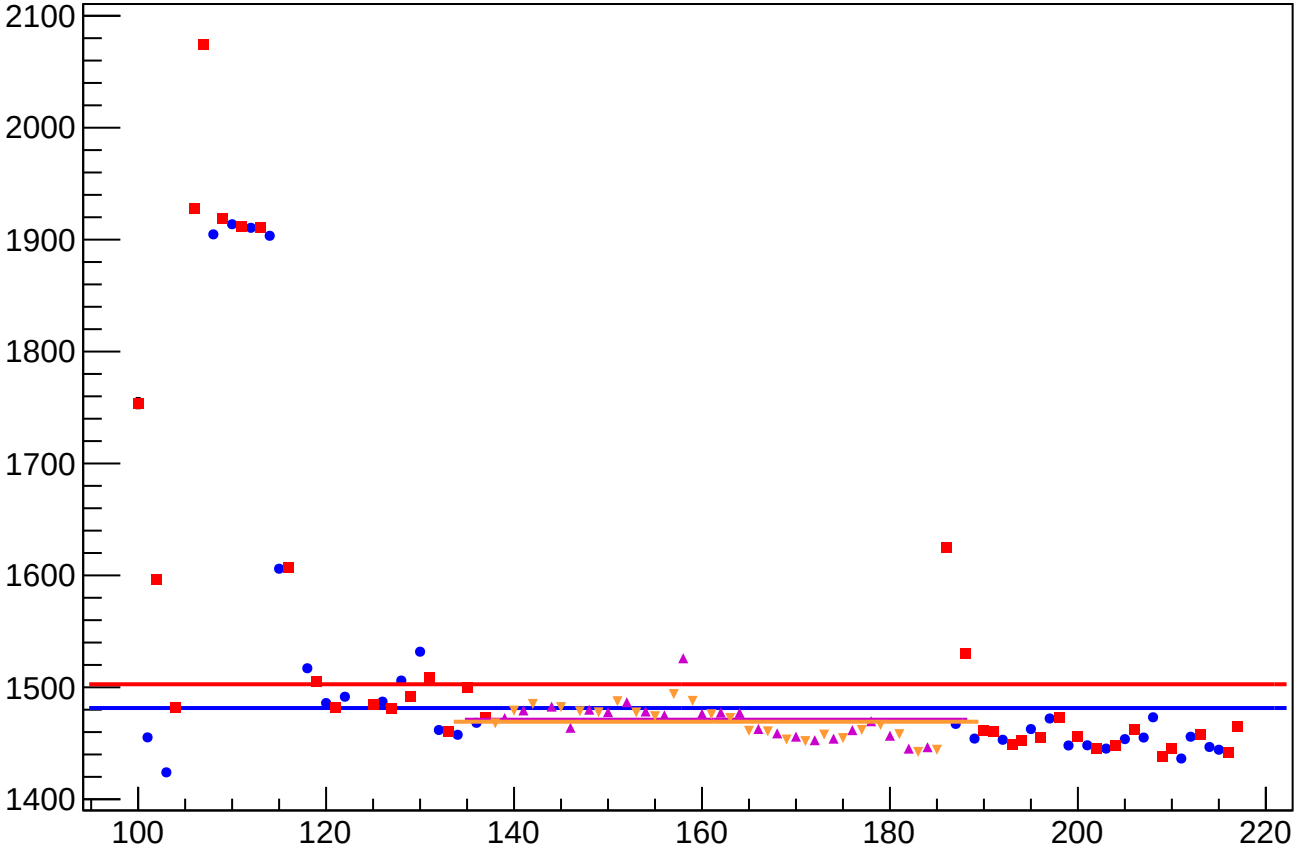
Right: 1923.375+/-236.985 χ^2/NDF: 51.1/65

In: 1972.606+/-240.854 χ^2/NDF:47.8/53

Out: 1543.004+/-238.077 χ^2/NDF:49.4/58

All: 1755.314+/-169.319 χ^2/NDF: 98.8/112

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: 1502.730+/-0.235 χ^2/NDF: 248744.0/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

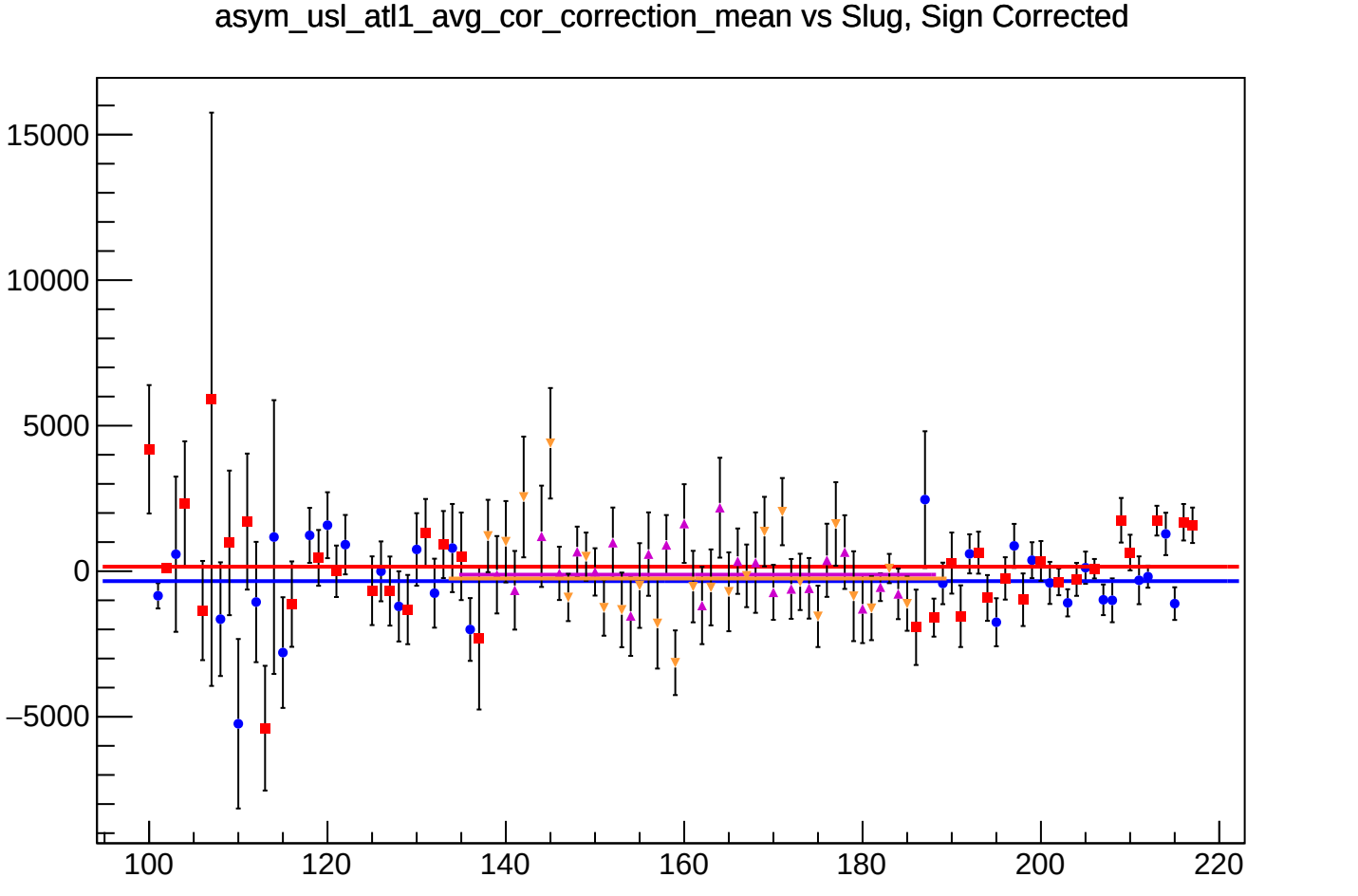
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

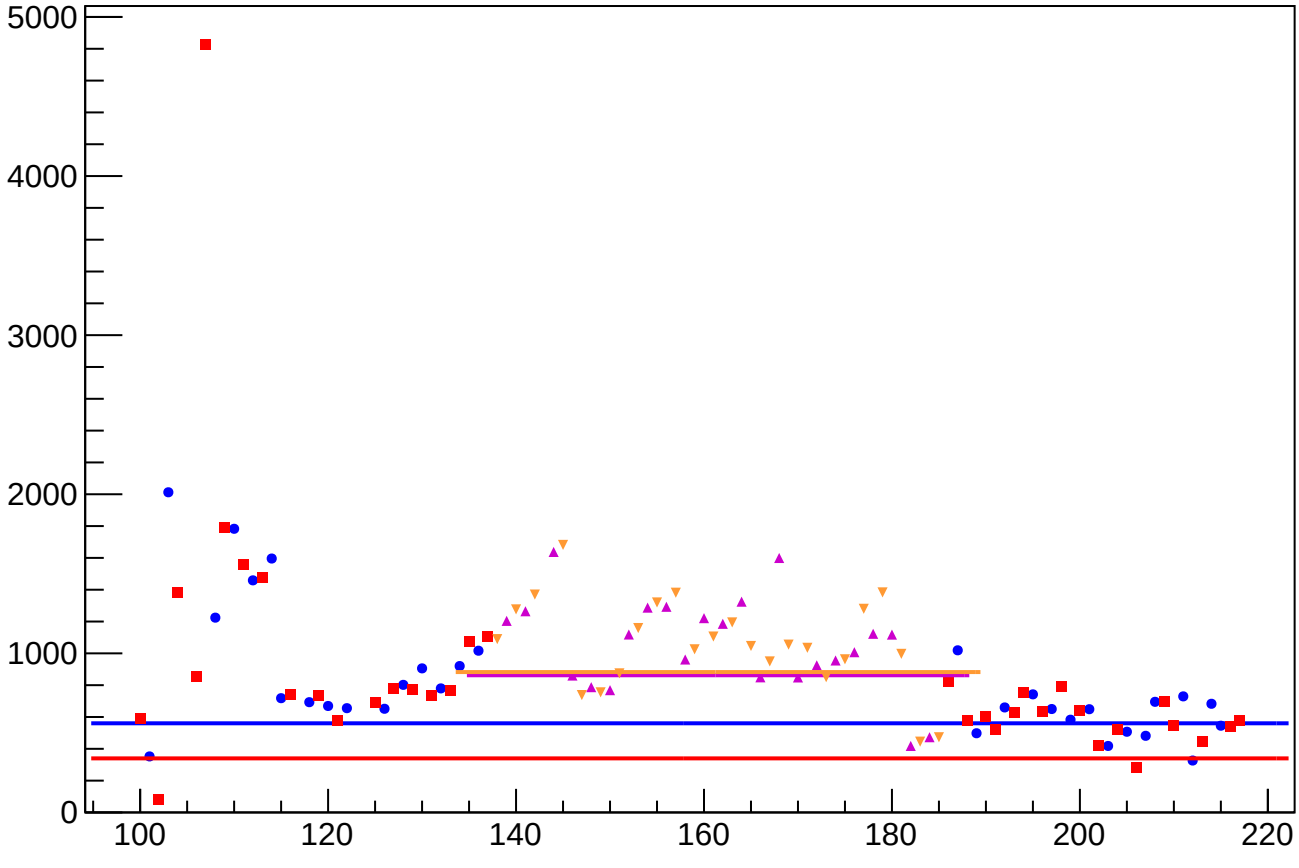
Right: 1492.278+/-0.168 χ^2/NDF: 408791.1/65

In: 1476.359+/-0.170 χ^2/NDF:161612.6/53

Out: 1486.420+/-0.168 χ^2/NDF:261771.2/58

All: 1481.448+/-0.120 χ^2/NDF: 425149.0/112


asym_usl_atl1_avg_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: 154.287+/-101.973 χ²/NDF: 63.3/34
Left In: -119.845+/-215.975 χ²/NDF:12.8/22
Left: -184.992+/-153.556 χ²/NDF: 45.7/46
Right: -20.249+/-82.064 χ²/NDF: 112.6/65
In: -276.758+/-116.437 χ²/NDF:54.6/53
Out: 81.624+/-92.395 χ²/NDF:98.8/58
All: -56.848+/-72.377 χ²/NDF: 159.2/112



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: 339.878+/-0.072 χ^2/NDF: 15770850.6/34

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

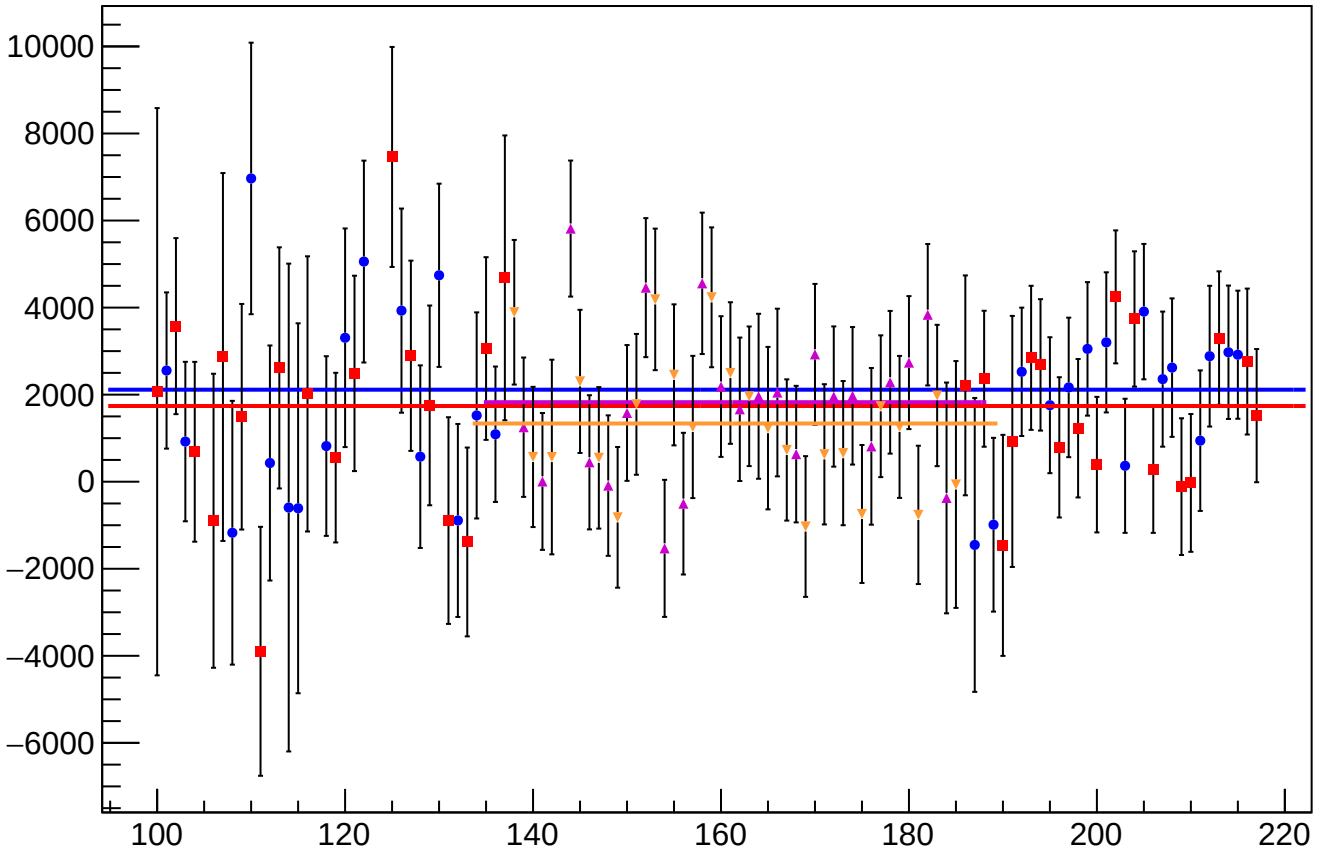
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 417.581+/-0.058 χ^2/NDF: 23564307.2/65

In: 648.150+/-0.082 χ^2/NDF:11639123.1/53

Out: 437.008+/-0.065 χ^2/NDF:29808016.8/58

All: 518.589+/-0.051 χ^2/NDF: 45482632.2/11



Right In: 2113.800+/-337.826 χ^2/NDF: 21.0/30

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1738.872+/-332.532 χ^2/NDF: 29.5/34

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

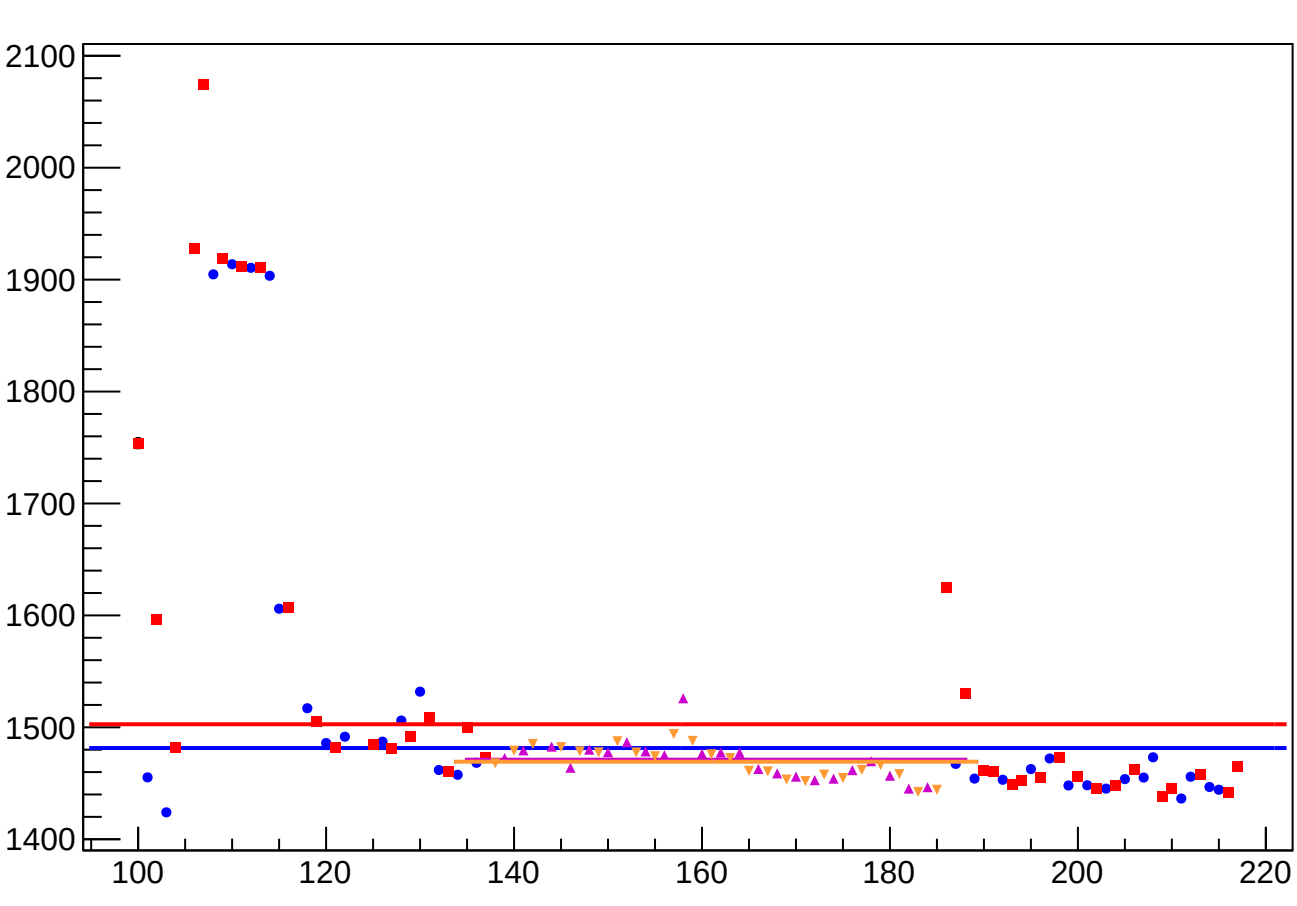
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1923.375+/-236.985 χ^2/NDF: 51.1/65

In: 1972.606+/-240.854 χ^2/NDF:47.8/53

Out: 1543.004+/-238.077 χ^2/NDF:49.4/58

All: 1755.314+/-169.319 χ^2/NDF: 98.8/112



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: 1502.730+/-0.235 χ^2/NDF: 248744.0/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

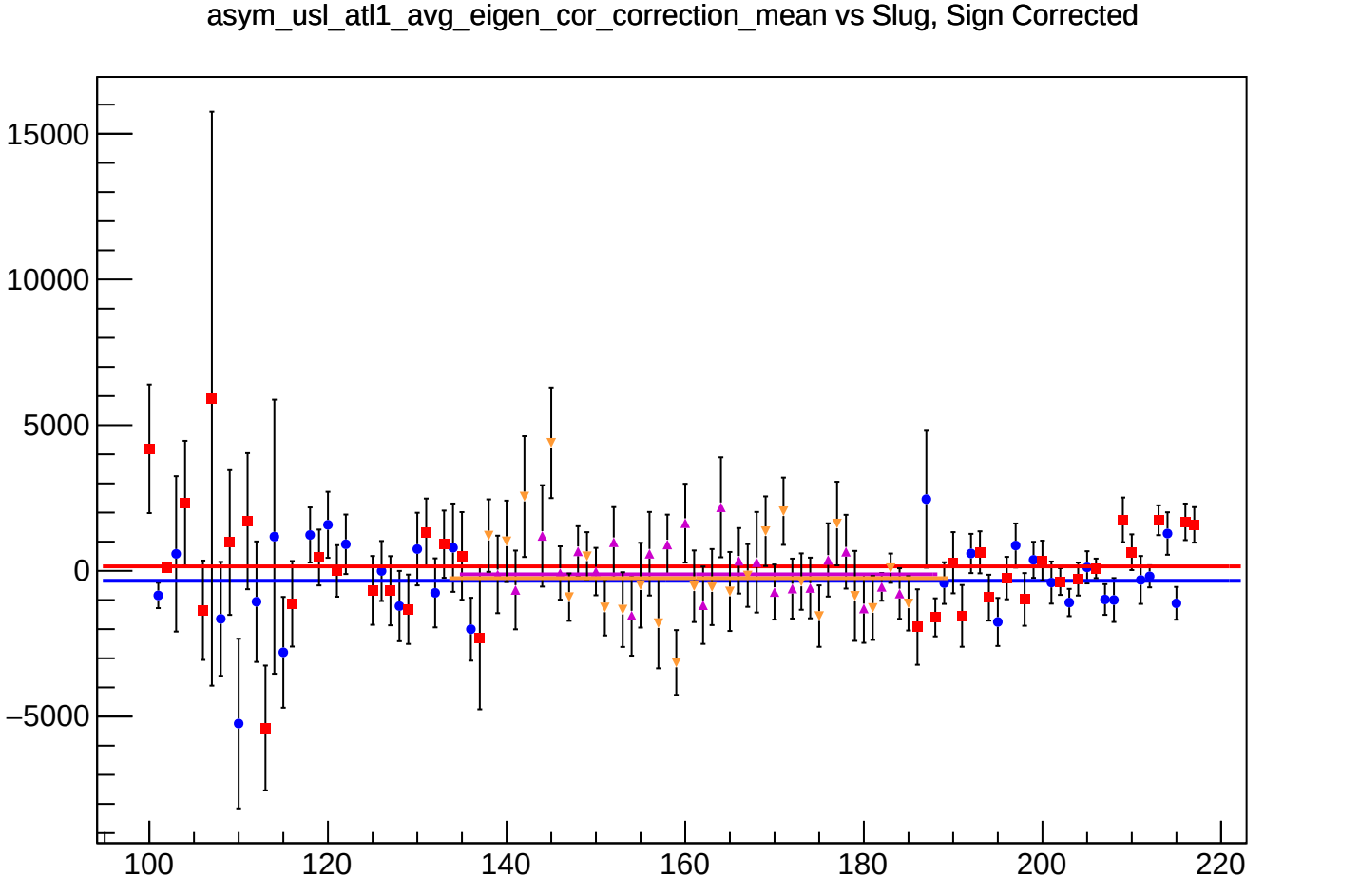
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1492.278+/-0.168 χ^2/NDF: 408791.1/65

In: 1476.359+/-0.170 χ^2/NDF:161612.6/53

Out: 1486.420+/-0.168 χ^2/NDF:261771.2/58

All: 1481.448+/-0.120 χ^2/NDF: 425149.0/112



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: 154.287+/-101.973 χ^2/NDF: 63.3/34

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

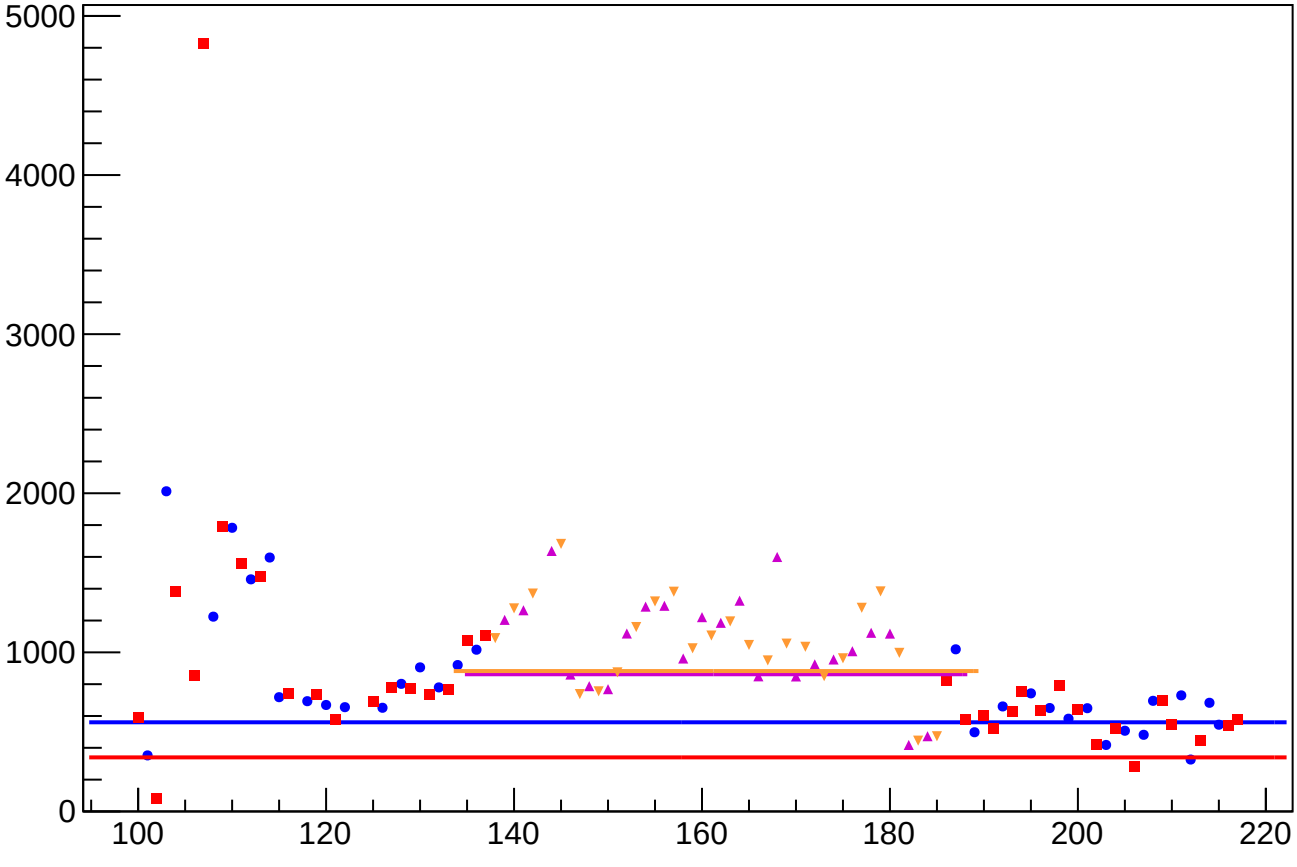
Right: -20.249+/-82.064 χ^2/NDF: 112.6/65

In: -276.758+/-116.437 χ^2/NDF:54.6/53

Out: 81.624+/-92.395 χ^2/NDF:98.8/58

All: -56.848+/-72.377 χ^2/NDF: 159.2/112

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: 339.878+/-0.072 χ^2/NDF: 15770850.6/34

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

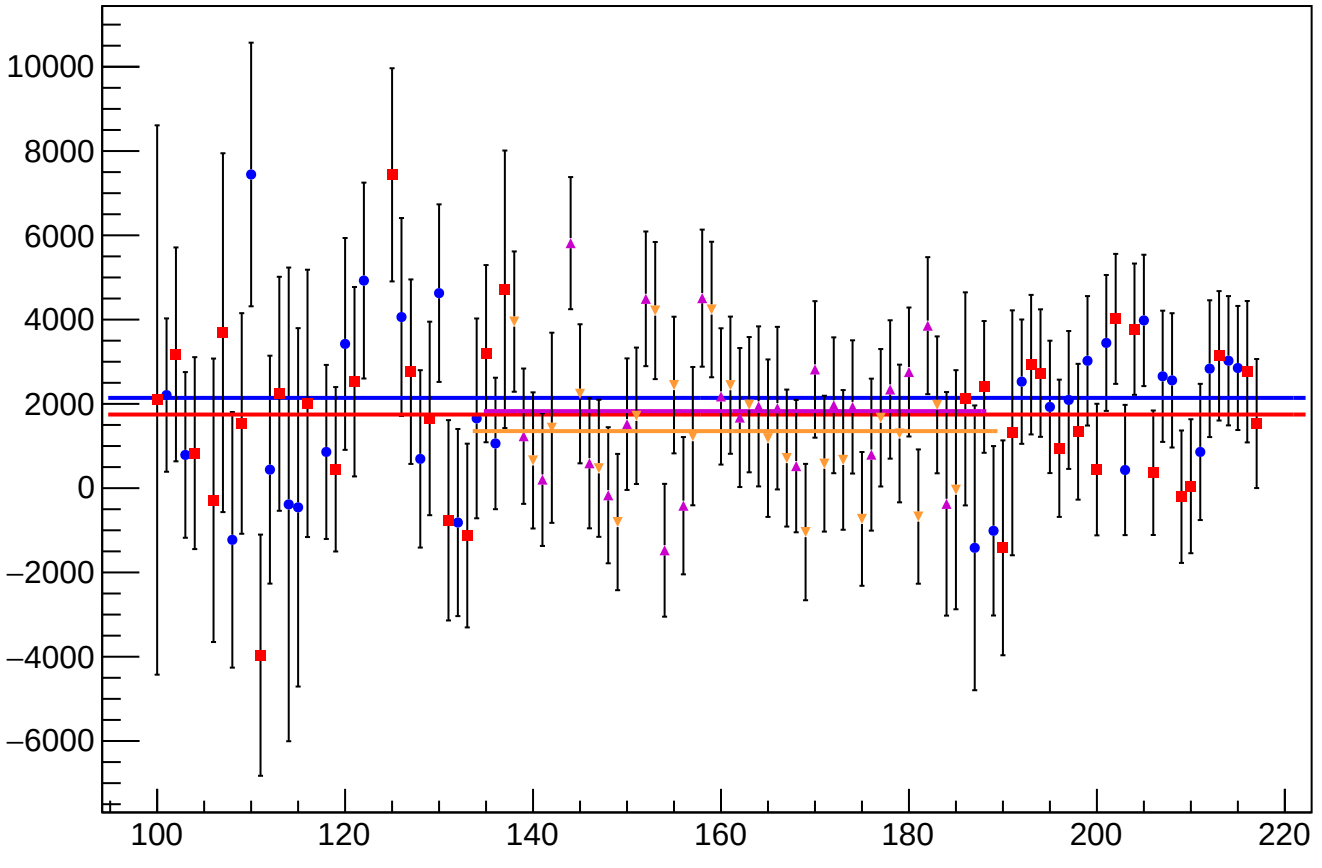
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 417.581+/-0.058 χ^2/NDF: 23564307.2/65

In: 648.150+/-0.082 χ^2/NDF:11639123.1/53

Out: 437.008+/-0.065 χ^2/NDF:29808016.8/58

All: 518.589+/-0.051 χ^2/NDF: 45482632.2/11



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: 1747.221+/-336.290 χ^2/NDF: 27.4/34

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

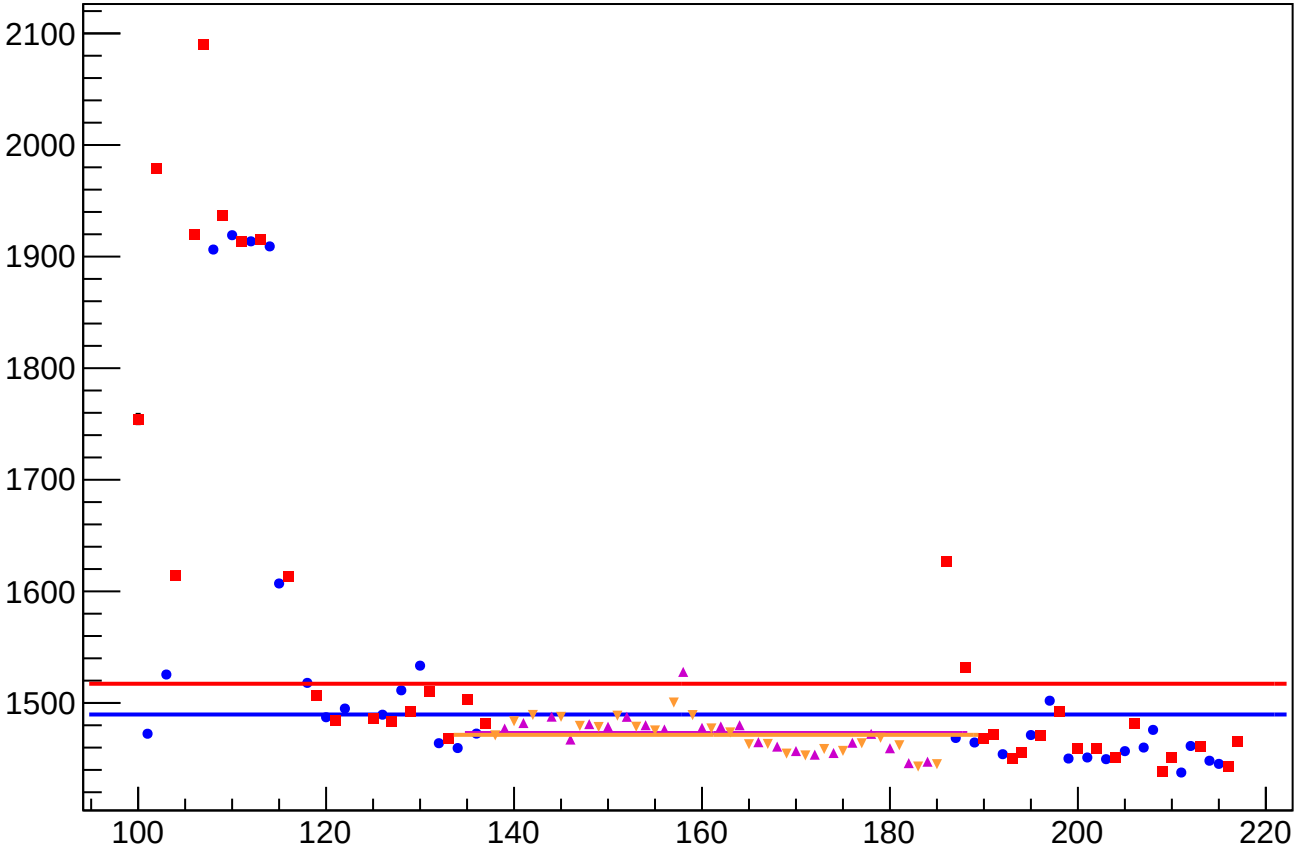
Right: 1942.696+/-239.003 χ^2/NDF: 49.3/65

In: 1987.161+/-241.708 χ^2/NDF:47.5/53

Out: 1553.519+/-239.638 χ^2/NDF:47.0/58

All: 1768.475+/-170.177 χ^2/NDF: 96.1/112

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: 1517.212+/-0.238 χ^2/NDF: 314555.5/34

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

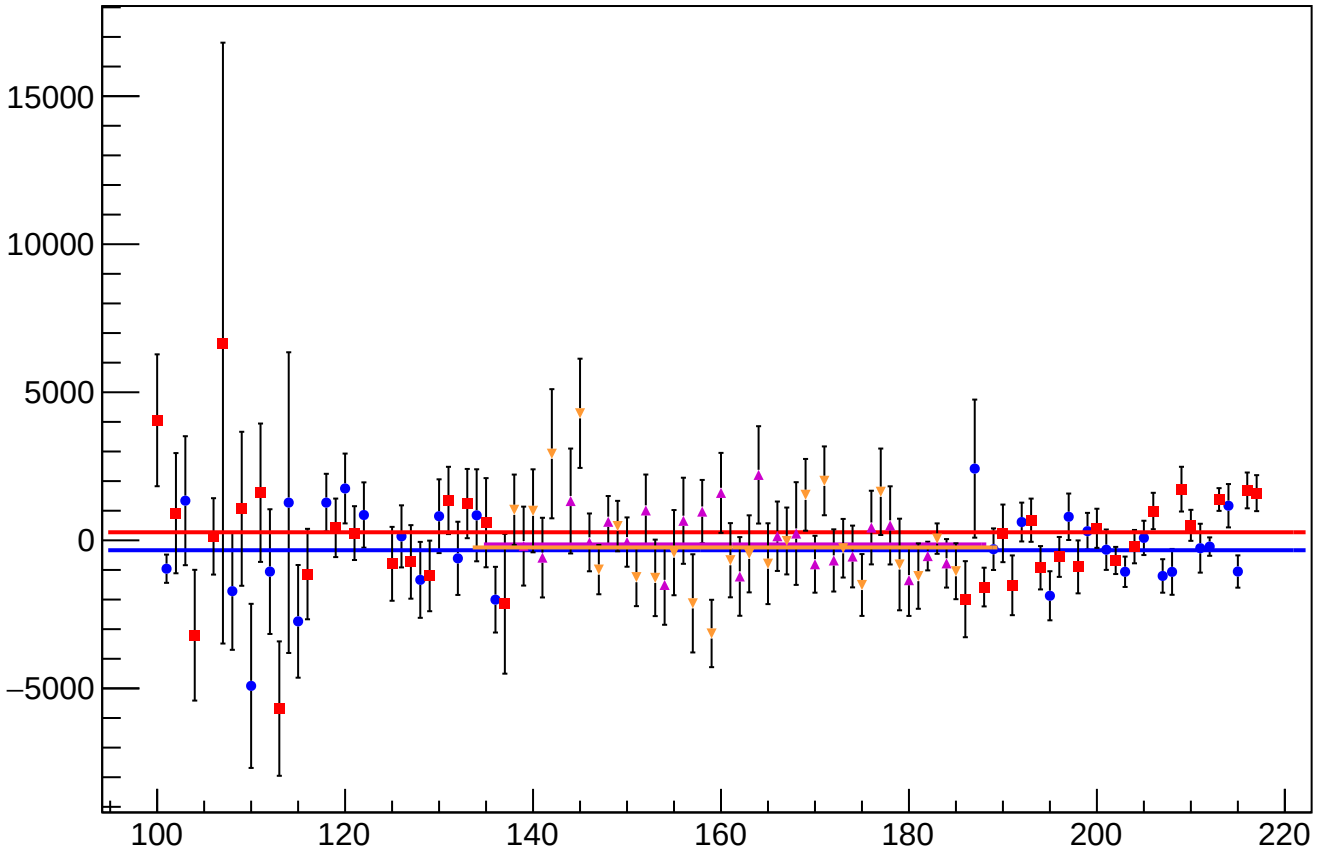
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1503.579+/-0.169 χ^2/NDF: 475072.1/65

In: 1481.459+/-0.171 χ^2/NDF:160987.7/53

Out: 1494.681+/-0.169 χ^2/NDF:336232.4/58

All: 1488.127+/-0.120 χ^2/NDF: 500238.4/112



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: 272.457+/-139.693 χ^2/NDF: 69.0/34

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

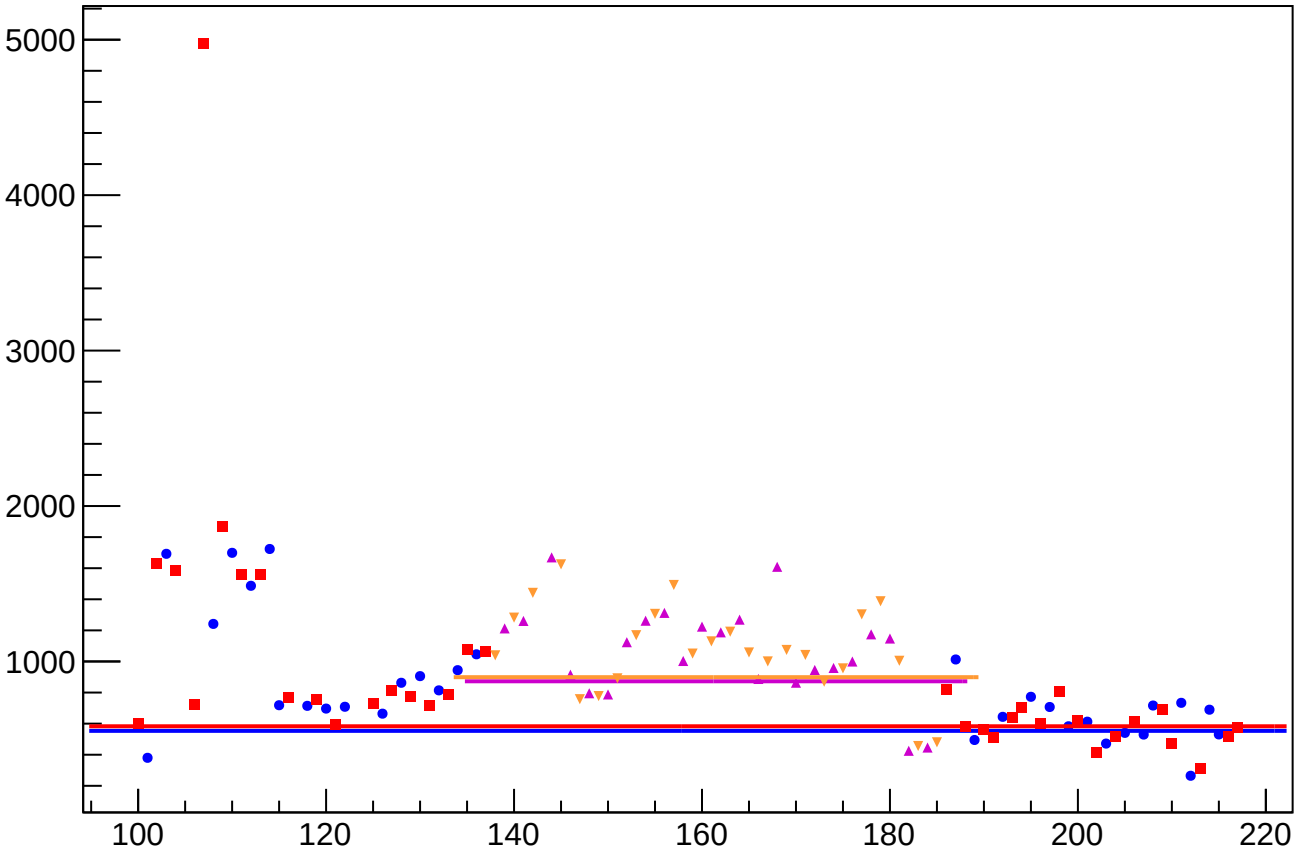
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -36.580+/-97.852 χ^2/NDF: 119.5/65

In: -278.948+/-116.135 χ^2/NDF:54.5/53

Out: 126.826+/-118.201 χ^2/NDF:105.3/58

All: -79.639+/-82.841 χ^2/NDF: 165.8/112



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: 583.039+/-0.099 χ^2/NDF: 4874306.9/34

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

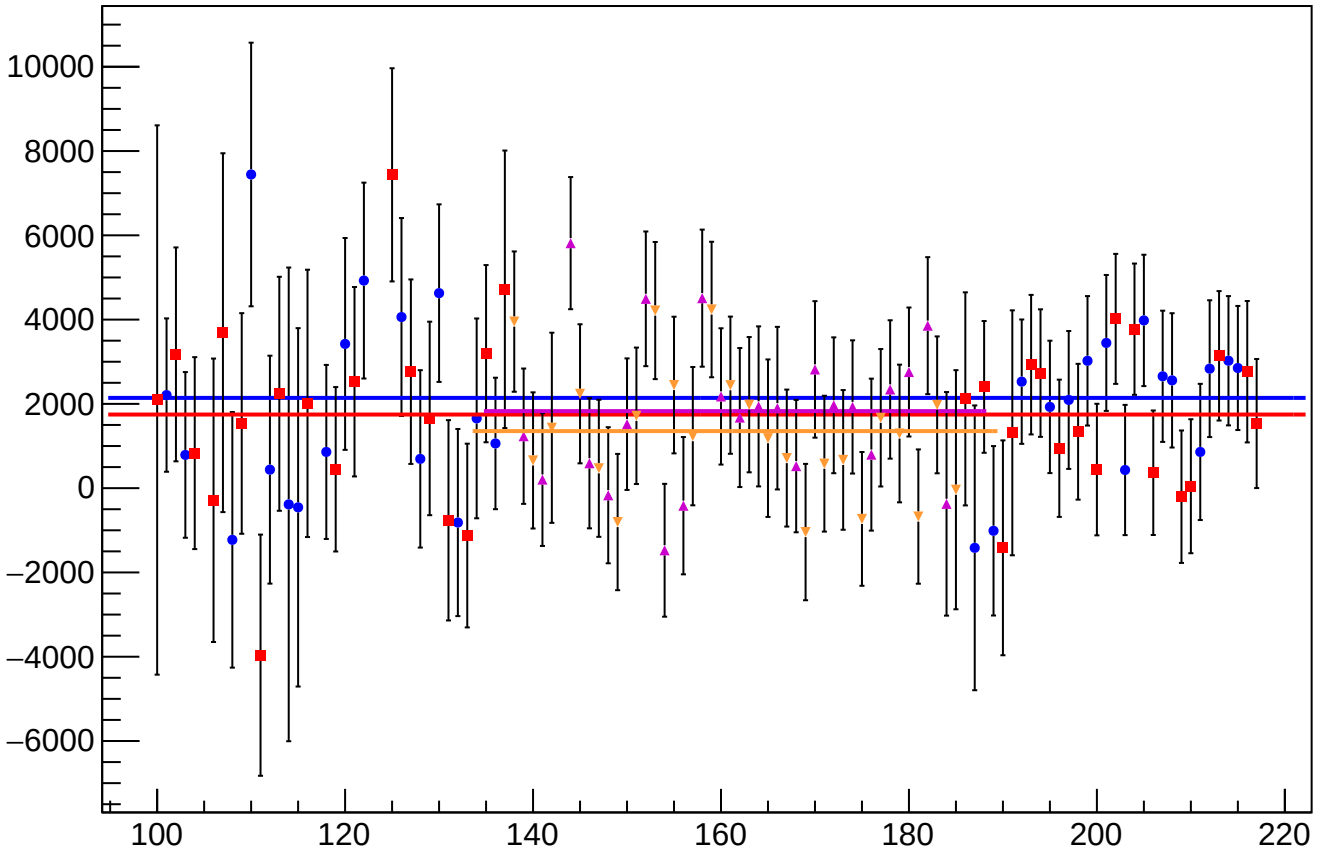
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 568.038+/-0.069 χ^2/NDF: 10264731.3/65

In: 643.690+/-0.082 χ^2/NDF:12837491.7/53

Out: 672.739+/-0.084 χ^2/NDF:11569199.0/58

All: 657.959+/-0.059 χ^2/NDF: 24468152.3/11



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: 1747.220+/-336.290 χ^2/NDF: 27.4/34

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

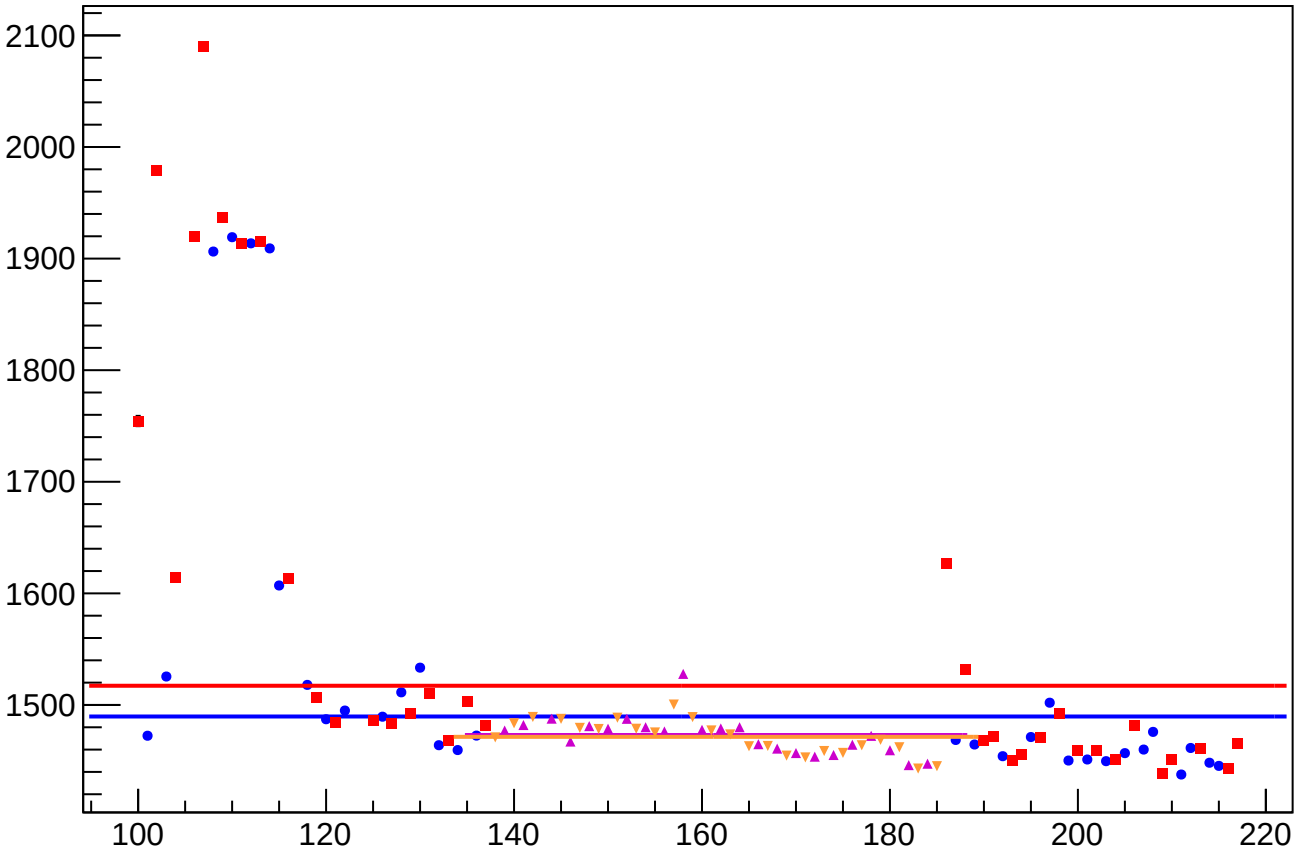
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1942.695+/-239.003 χ^2/NDF: 49.3/65

In: 1987.160+/-241.708 χ^2/NDF:47.5/53

Out: 1553.518+/-239.638 χ^2/NDF:47.0/58

All: 1768.474+/-170.177 χ^2/NDF: 96.1/112



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: 1517.212+/-0.238 χ^2/NDF: 314555.0/34

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

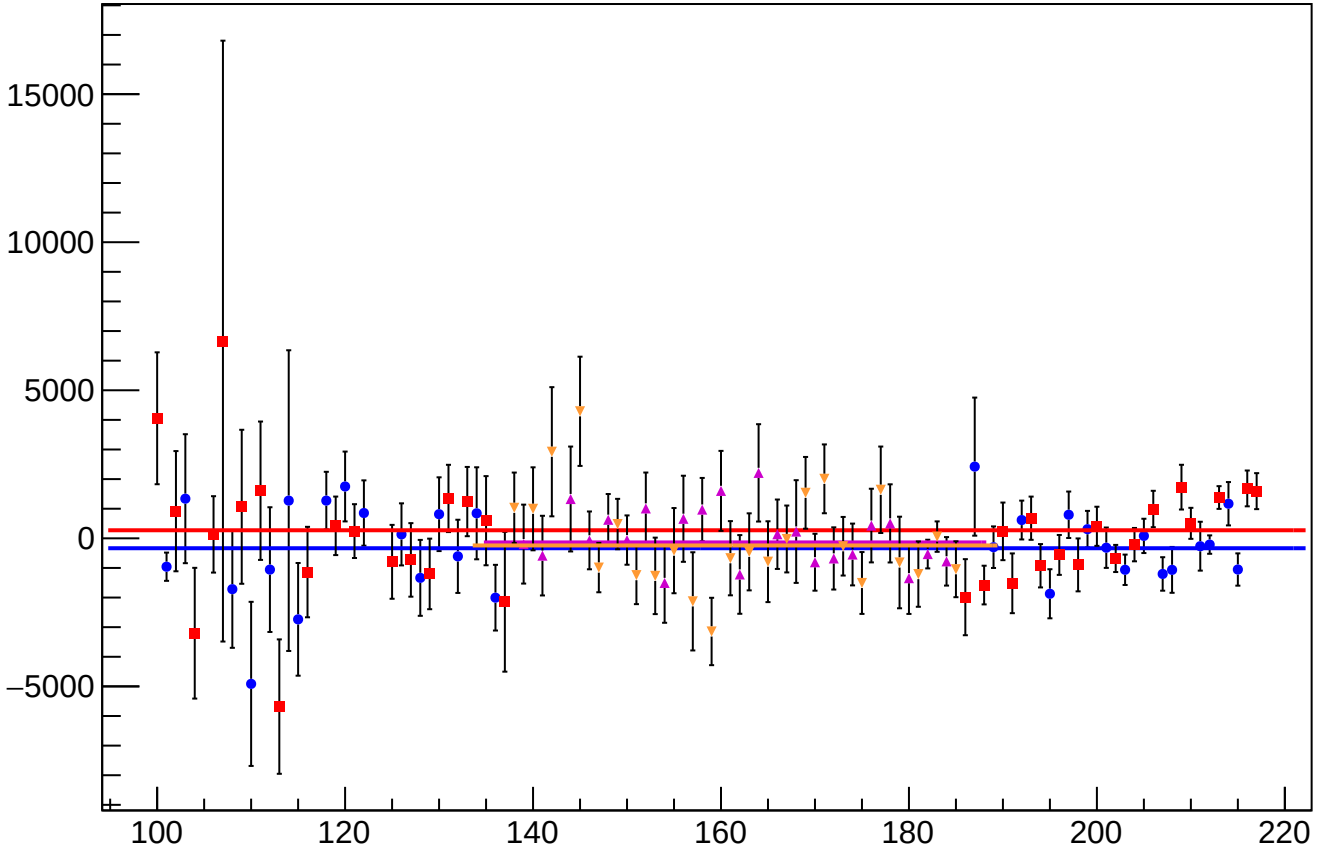
Right: 1503.579+/-0.169 χ^2/NDF: 475071.5/65

In: 1481.459+/-0.171 χ^2/NDF:160987.6/53

Out: 1494.681+/-0.169 χ^2/NDF:336231.8/58

All: 1488.127+/-0.120 χ^2/NDF: 500237.7/112

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -334.294+/-137.110 χ^2/NDF: 40.9/30

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 272.457+/-139.693 χ^2/NDF: 69.0/34

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

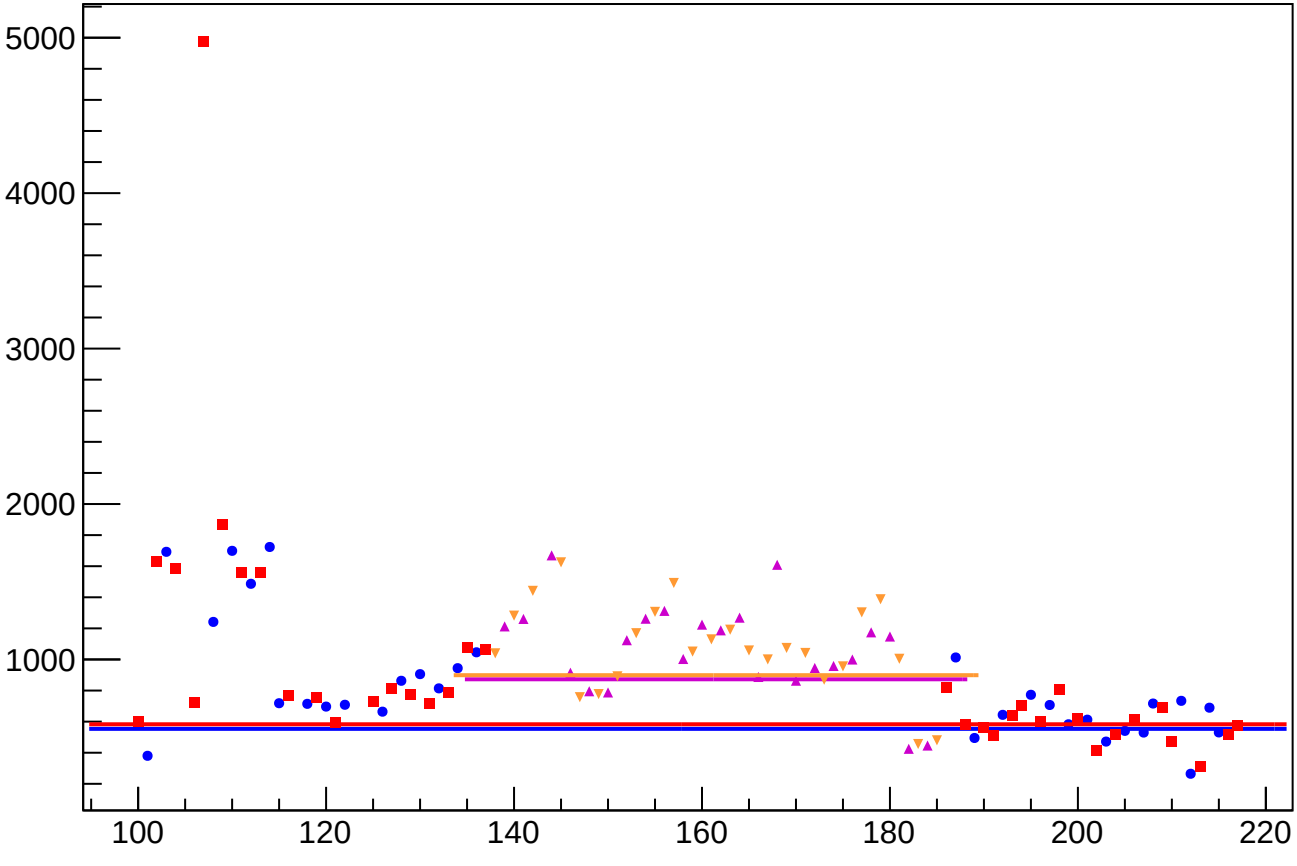
Right: -36.580+/-97.852 χ^2/NDF: 119.5/65

In: -278.949+/-116.135 χ^2/NDF:54.5/53

Out: 126.826+/-118.201 χ^2/NDF:105.3/58

All: -79.639+/-82.841 χ^2/NDF: 165.8/112

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: 583.039+/-0.099 χ^2/NDF: 4874303.9/34

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

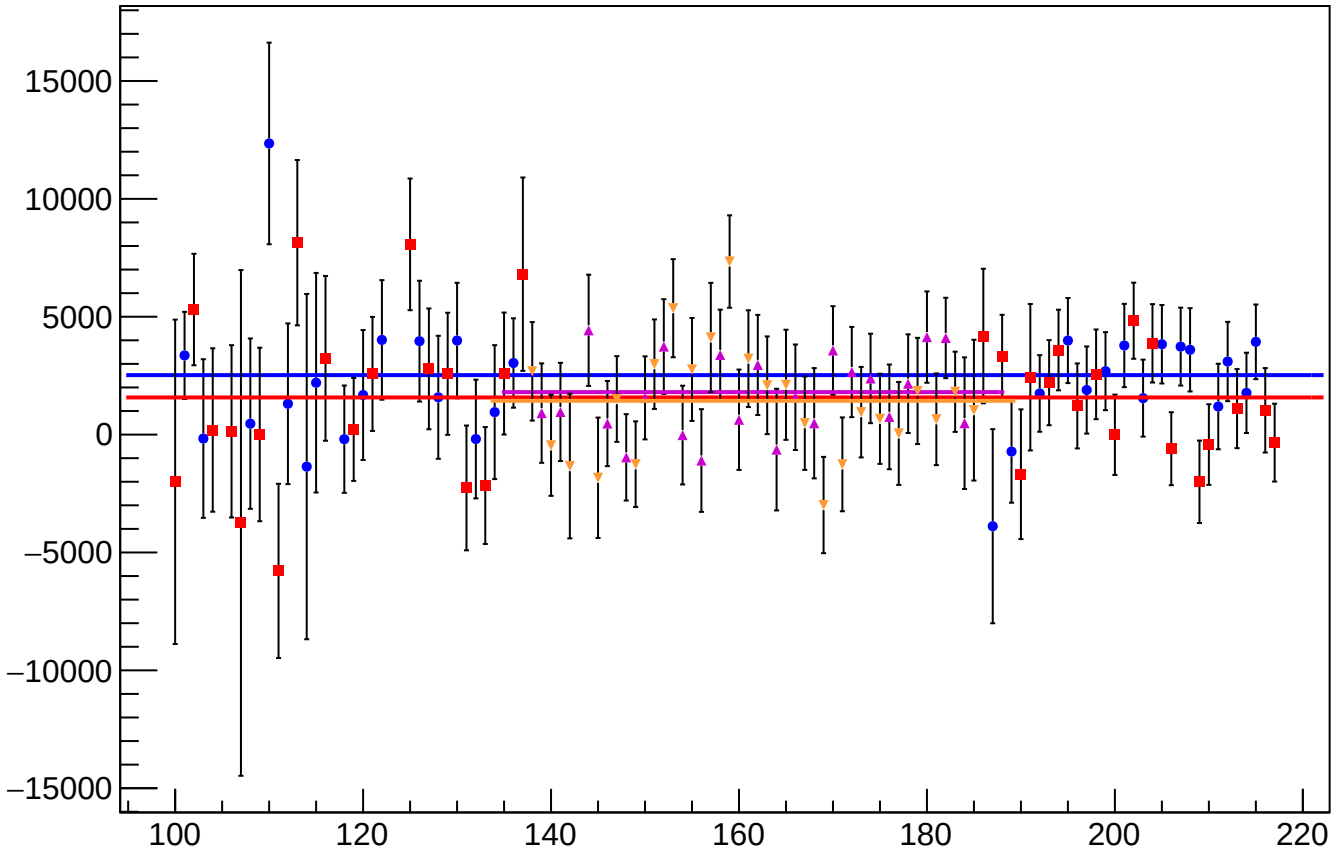
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 568.038+/-0.069 χ^2/NDF: 10264724.8/65

In: 643.691+/-0.082 χ^2/NDF:12837503.2/53

Out: 672.740+/-0.084 χ^2/NDF:11569208.9/58

All: 657.959+/-0.059 χ^2/NDF: 24468174.3/11



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: 1576.302+/-374.700 χ^2/NDF: 44.6/34

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

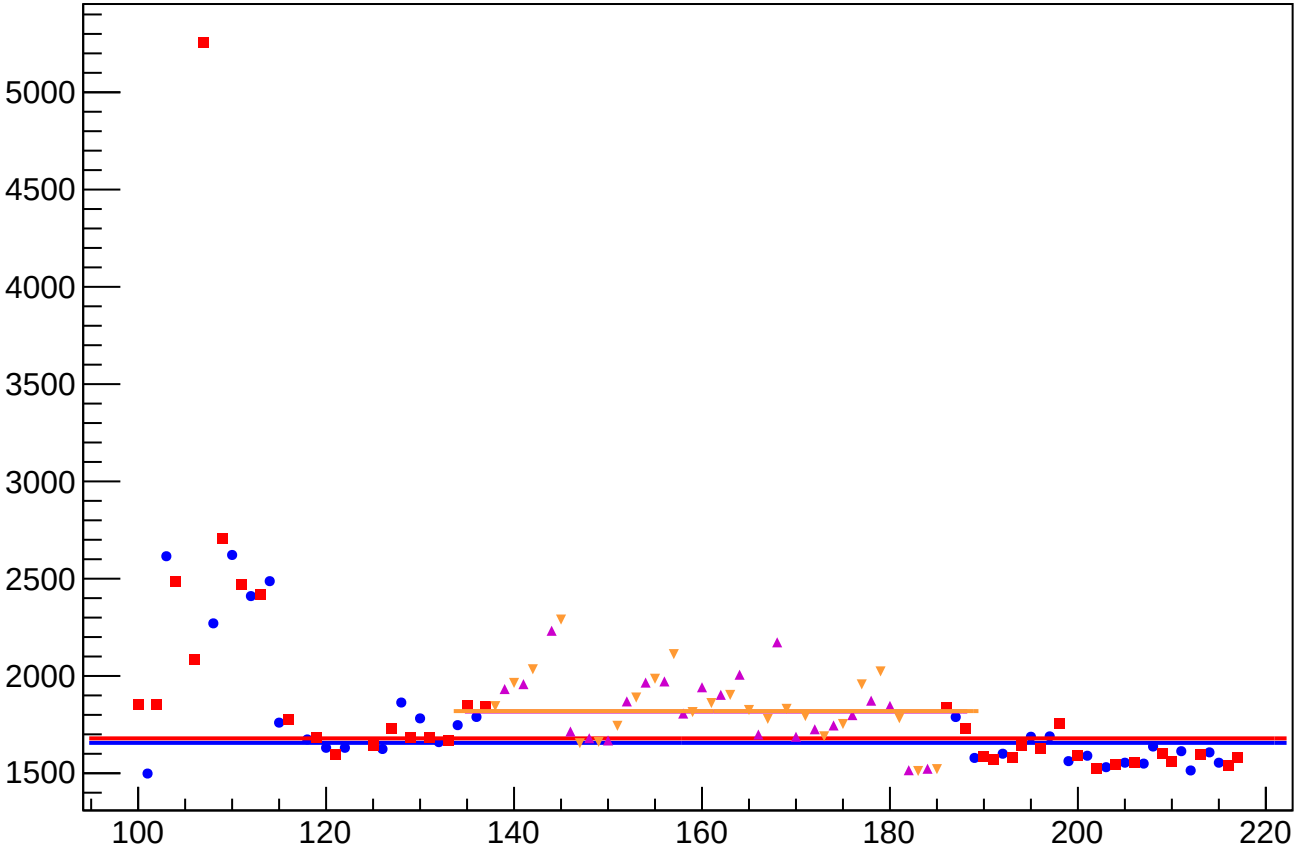
Right: 2043.404+/-266.775 χ^2/NDF: 68.6/65

In: 2204.124+/-283.678 χ^2/NDF:37.7/53

Out: 1513.678+/-280.908 χ^2/NDF:74.1/58

All: 1855.514+/-199.604 χ^2/NDF: 114.8/112

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1656.167+/-0.269 χ^2/NDF: 562965.2/30

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1679.234+/-0.265 χ^2/NDF: 831770.2/34

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

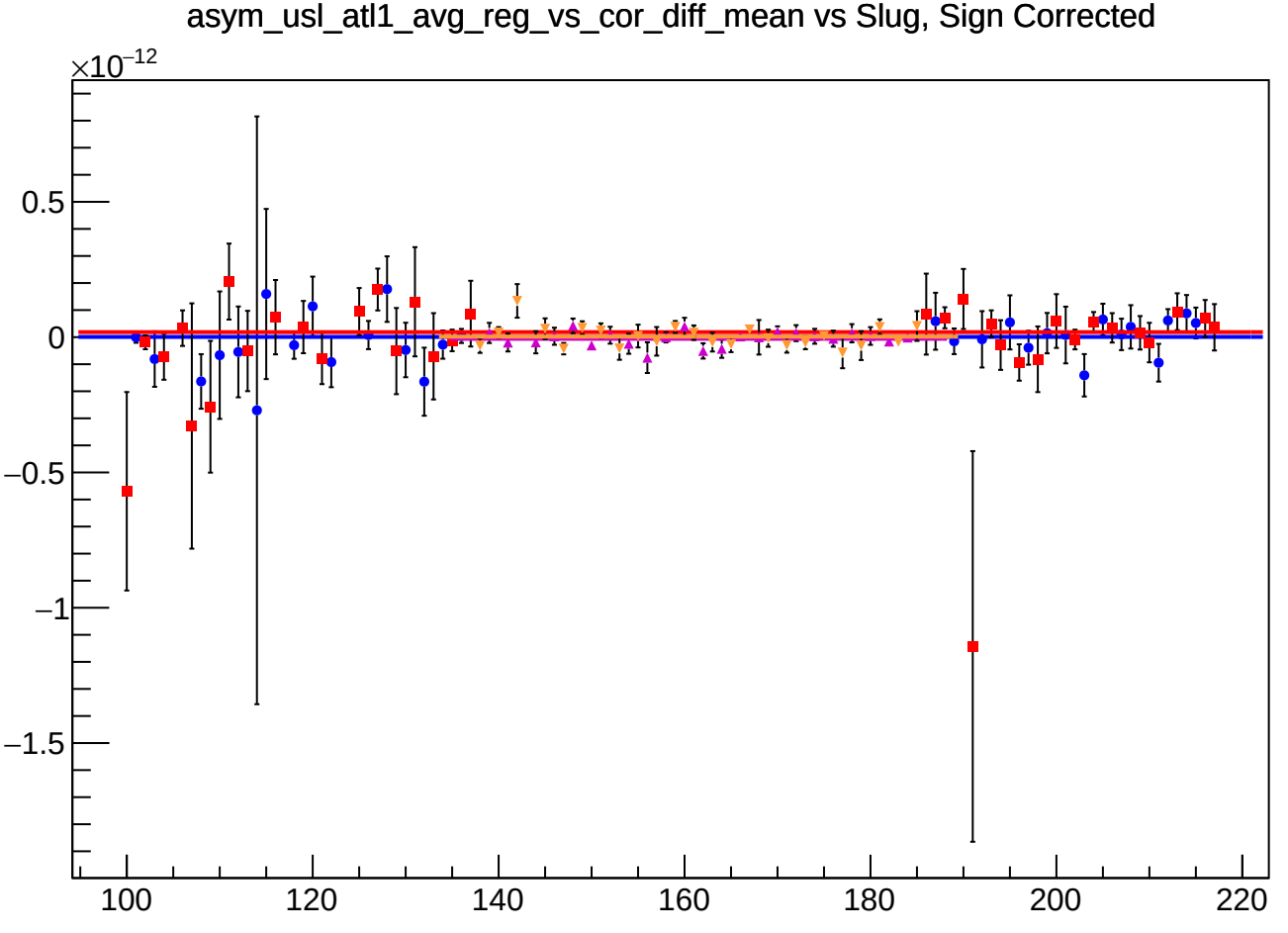
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1667.860+/-0.189 χ^2/NDF: 1398472.8/65

In: 1727.388+/-0.201 χ^2/NDF:1028937.0/53

Out: 1740.630+/-0.199 χ^2/NDF:1249388.1/58

All: 1734.074+/-0.141 χ^2/NDF: 2280525.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/34

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

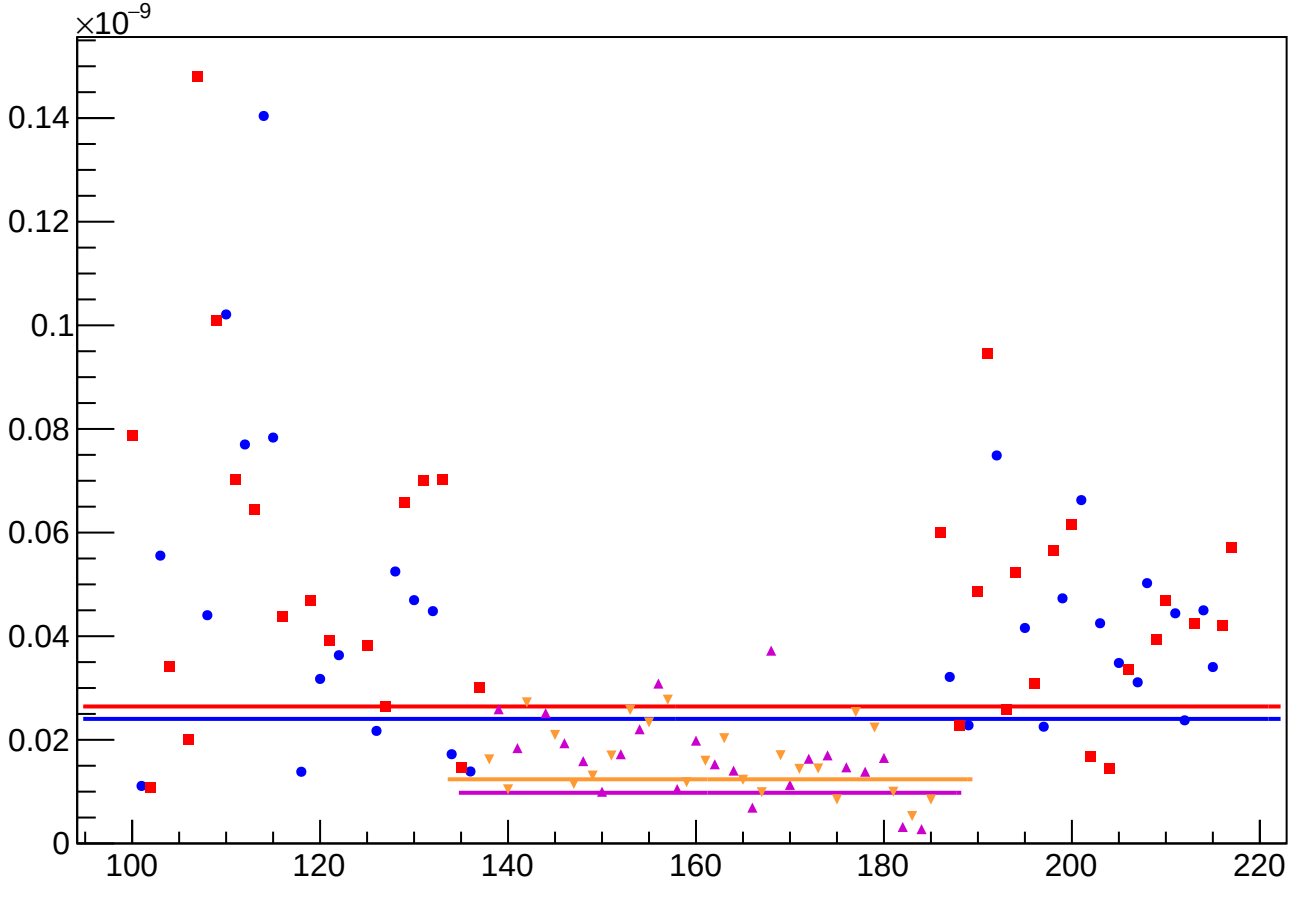
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 55.9/65

In: -0.000+/-0.000 χ^2/NDF:41.3/53

Out: 0.000+/-0.000 χ^2/NDF:62.8/58

All: -0.000+/-0.000 χ^2/NDF: 106.4/112



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: 4090186.3/34

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

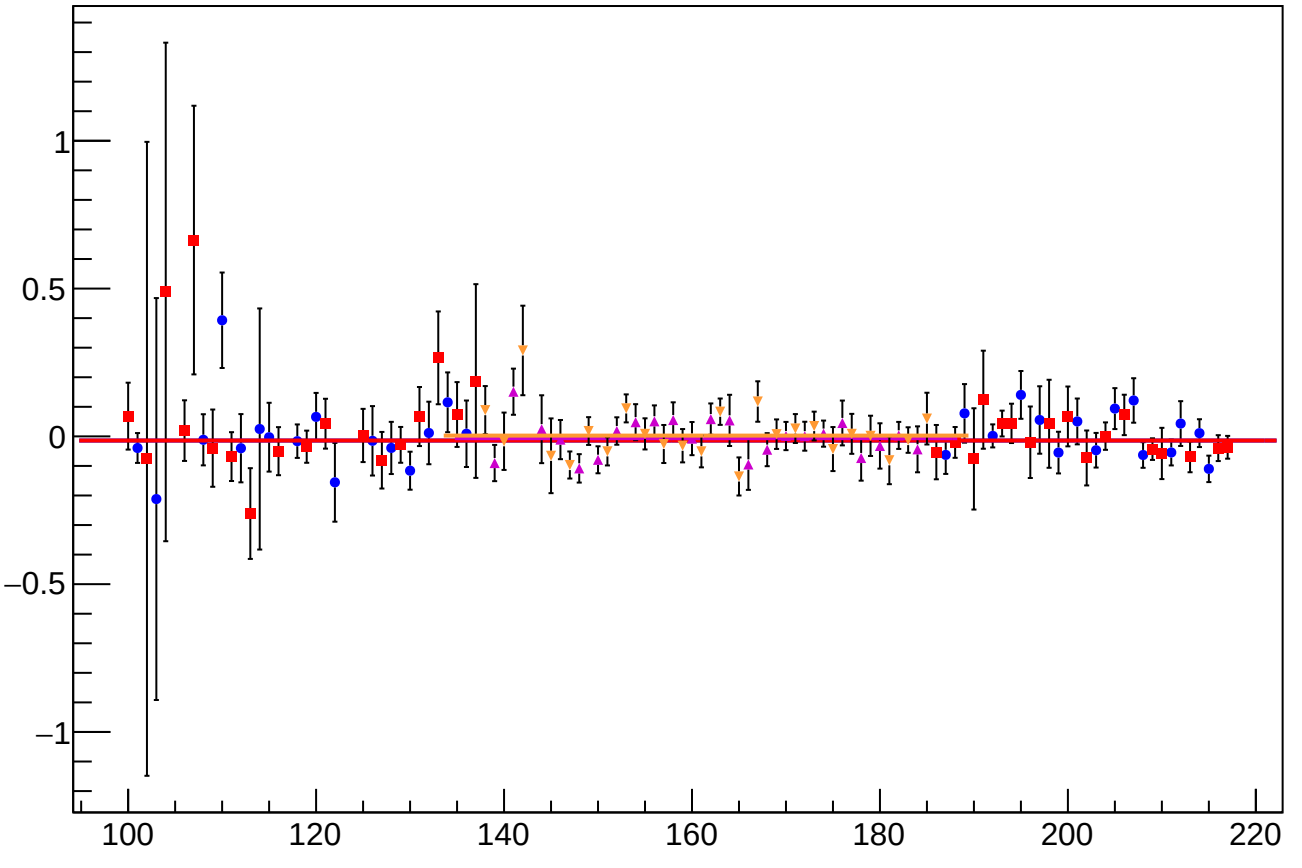
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 8403336.4/65

In: 0.000+/-0.000 χ^2/NDF:11903413.7/53

Out: 0.000+/-0.000 χ^2/NDF:8558999.5/58

All: 0.000+/-0.000 χ^2/NDF: 20844853.6/112



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: -0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

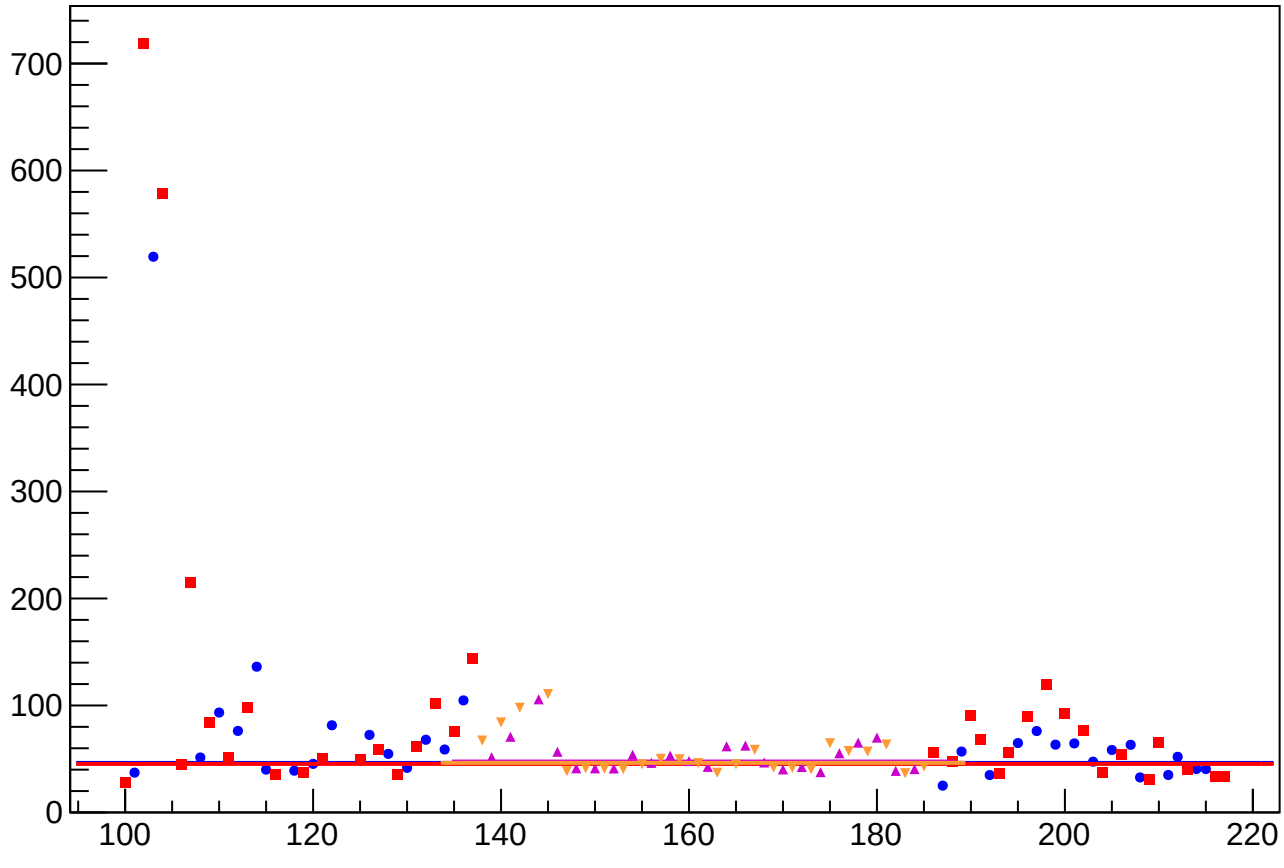
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.014+/-0.009 χ^2/NDF: 55.0/65

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.005+/-0.009 χ^2/NDF:52.5/58

All: -0.008+/-0.006 χ^2/NDF: 107.8/112



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: 45.370+/-0.009 χ^2/NDF: 5797766.4/34

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

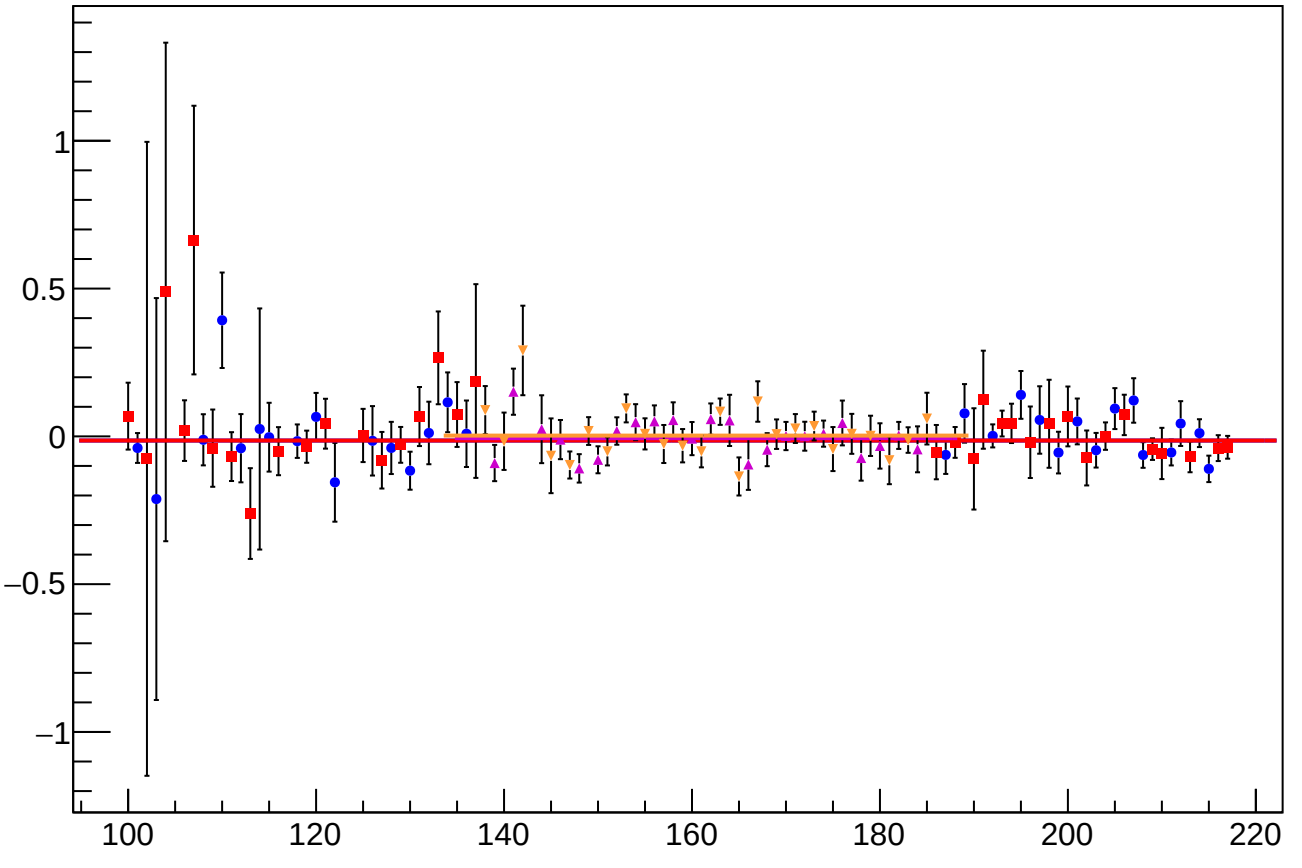
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 45.823+/-0.006 χ^2/NDF: 9648977.1/65

In: 46.950+/-0.006 χ^2/NDF:5432912.7/53

Out: 45.880+/-0.006 χ^2/NDF:7772092.9/58

All: 46.407+/-0.004 χ^2/NDF: 13220335.2/112



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: -0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

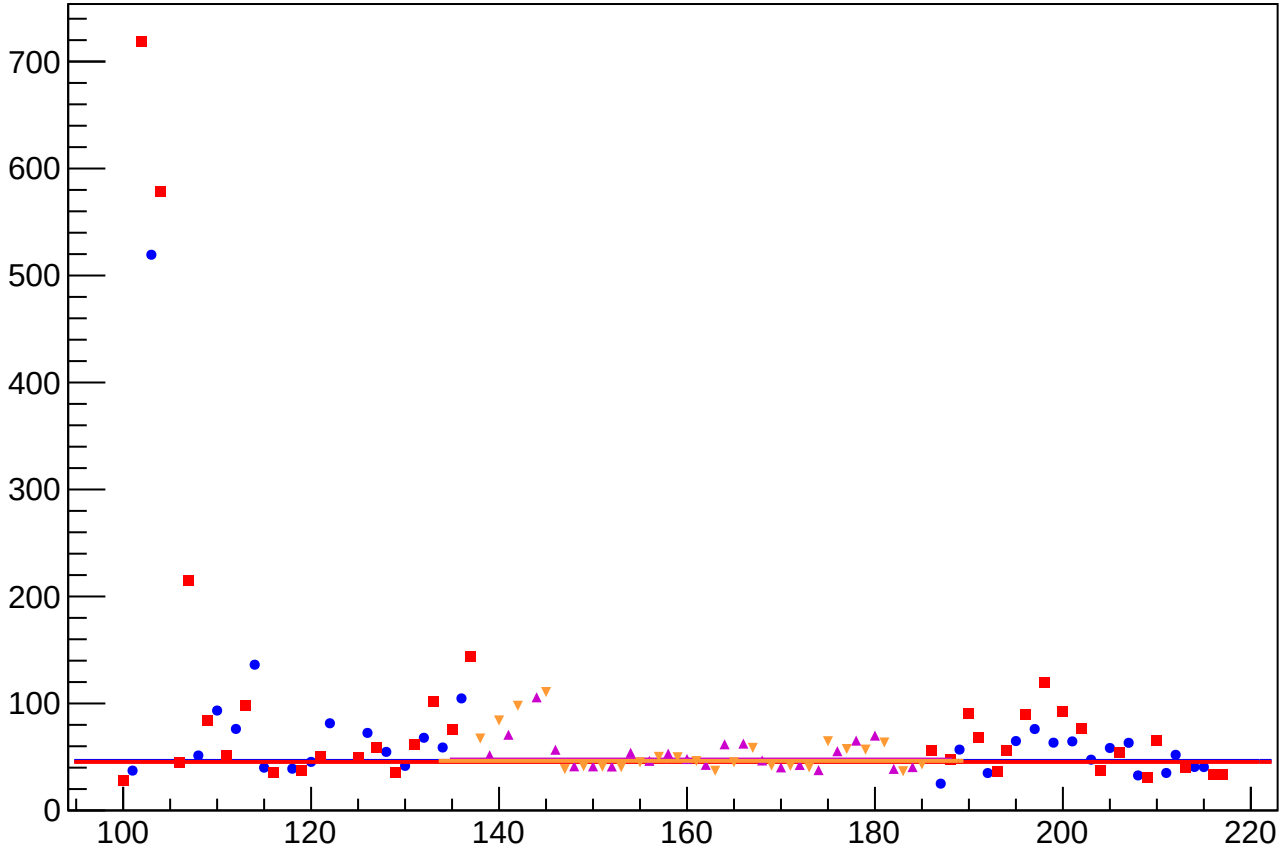
Right: -0.014+/-0.009 χ^2/NDF: 55.0/65

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.005+/-0.009 χ^2/NDF:52.5/58

All: -0.008+/-0.006 χ^2/NDF: 107.8/112

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.287+/-0.009 χ^2/NDF: 3845772.4/30

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 45.370+/-0.009 χ^2/NDF: 5797766.4/34

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

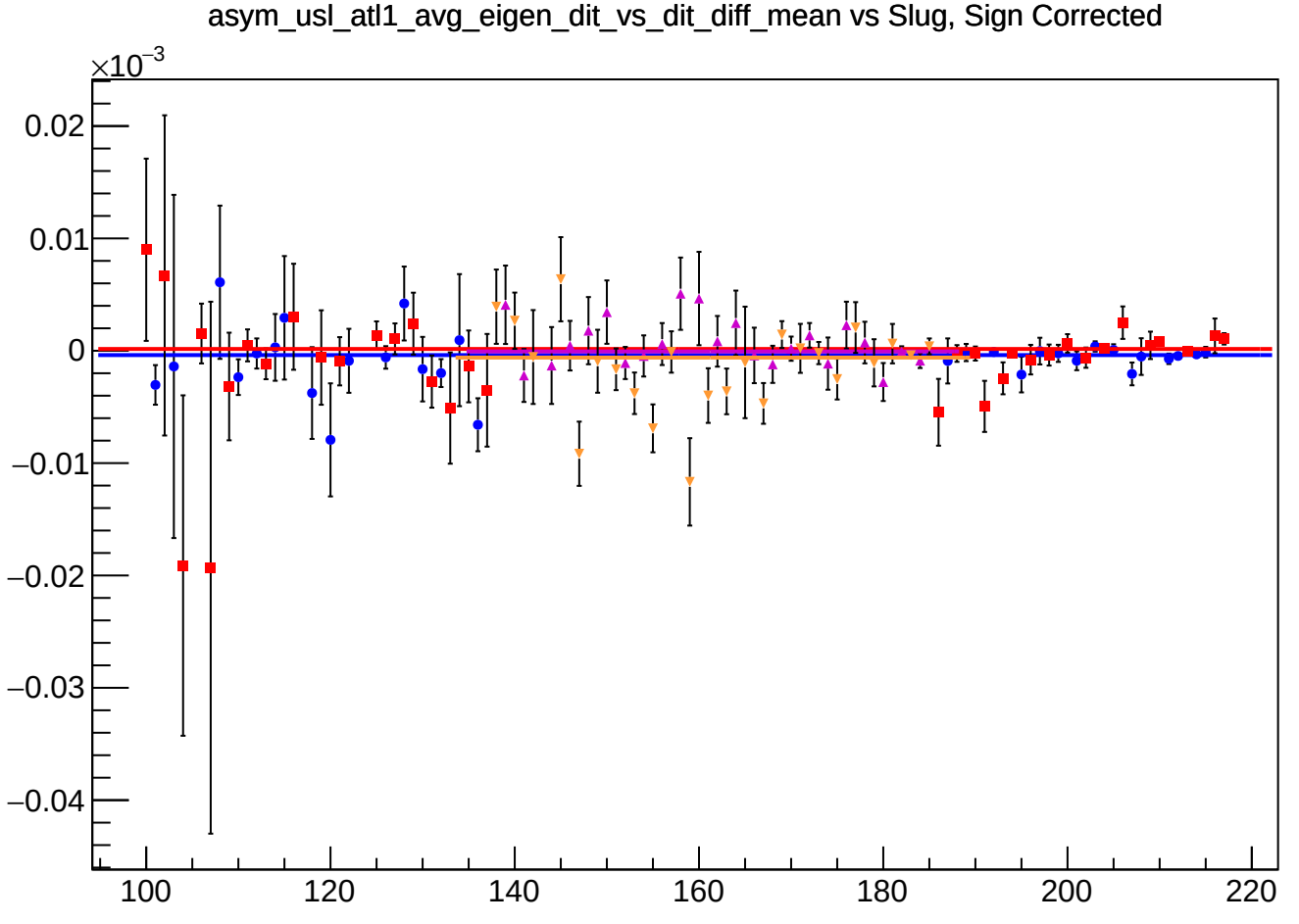
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 45.823+/-0.006 χ^2/NDF: 9648977.1/65

In: 46.950+/-0.006 χ^2/NDF:5432912.7/53

Out: 45.880+/-0.006 χ^2/NDF:7772092.9/58

All: 46.407+/-0.004 χ^2/NDF: 13220335.2/112



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: 39.8/34

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

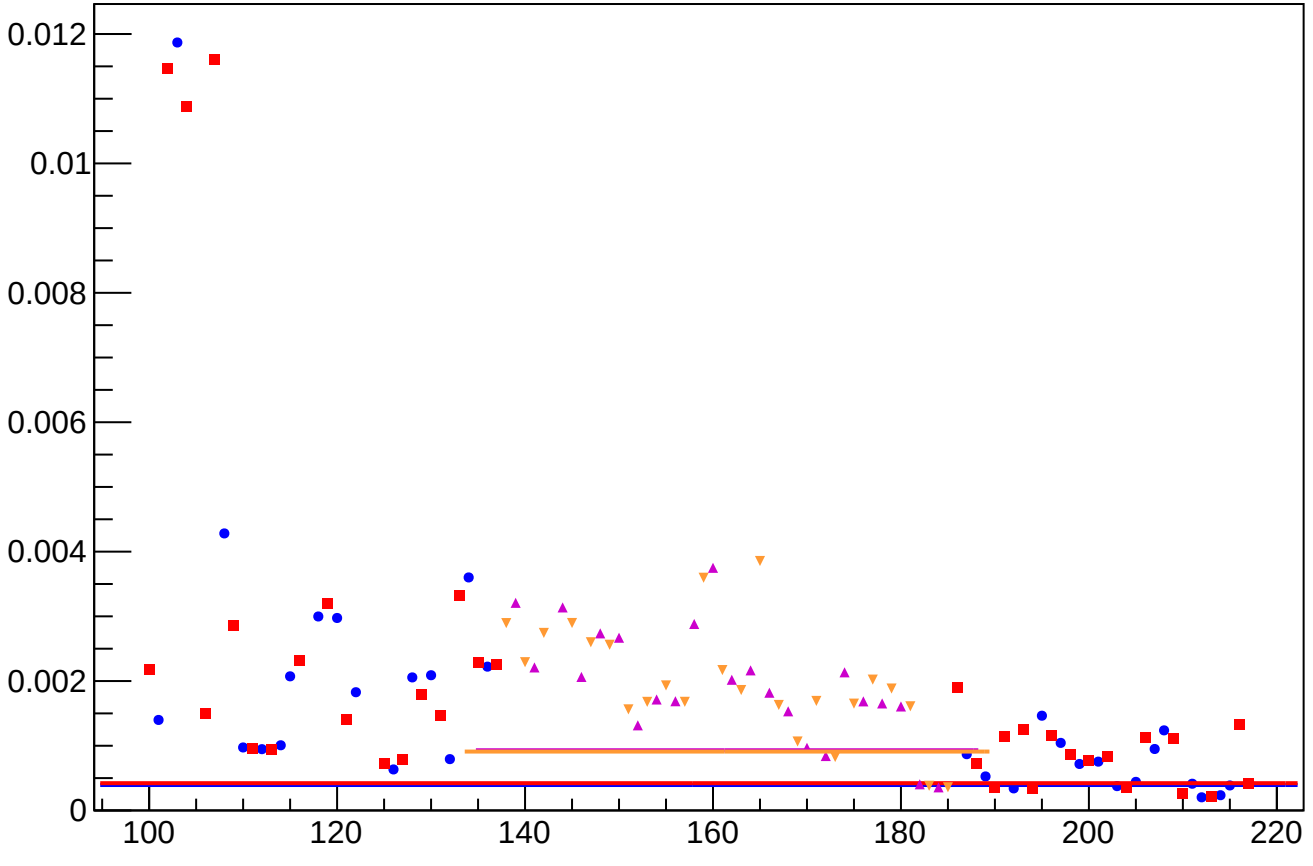
Right: -0.000+/-0.000 χ^2/NDF: 77.9/65

In: -0.000+/-0.000 χ^2/NDF:47.6/53

Out: 0.000+/-0.000 χ^2/NDF:100.1/58

All: -0.000+/-0.000 χ^2/NDF: 152.6/112

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14181898.8/30

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16239849.6/34

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

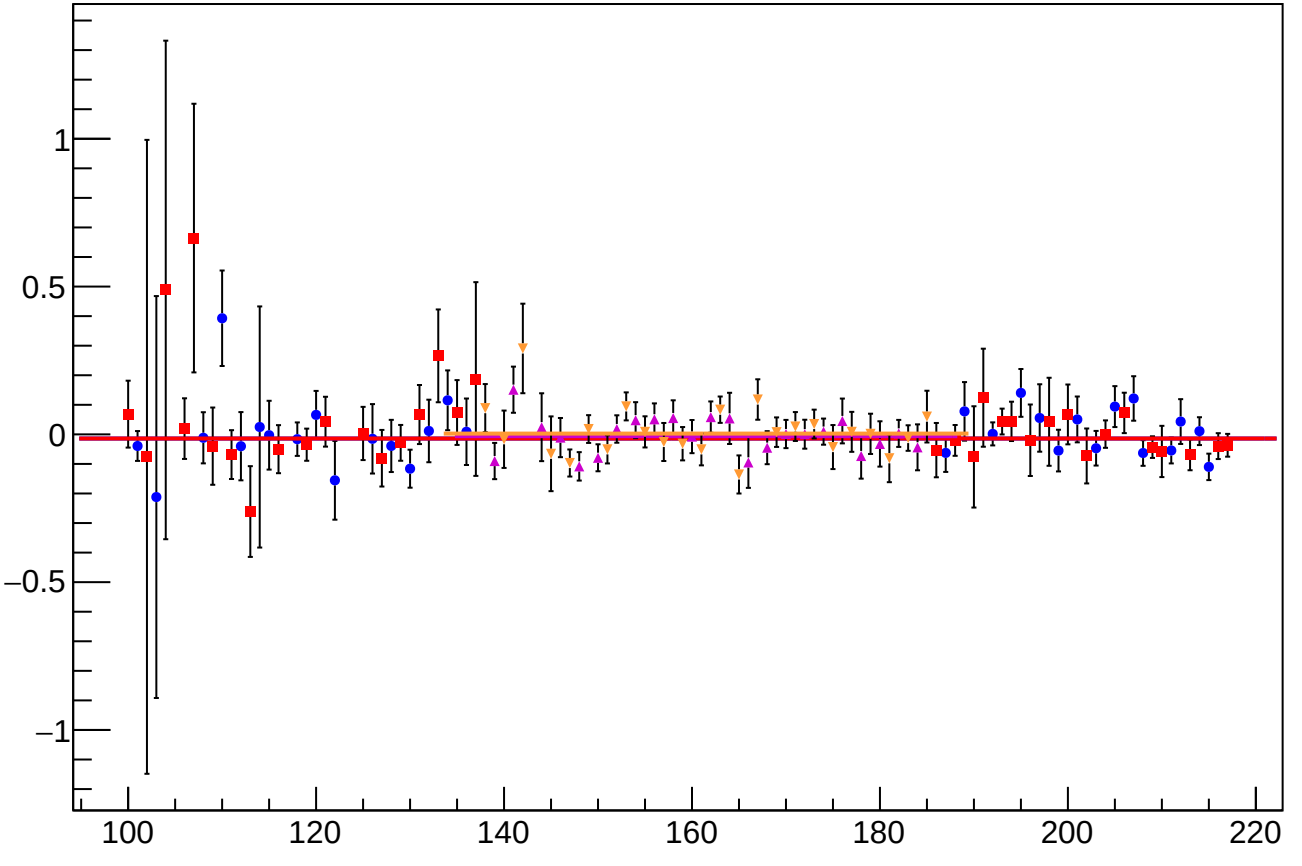
Right: 0.000+/-0.000 χ^2/NDF: 30473885.9/65

In: 0.000+/-0.000 χ^2/NDF:34014489.6/53

Out: 0.001+/-0.000 χ^2/NDF:35482469.0/58

All: 0.000+/-0.000 χ^2/NDF: 69566385.0/112

asym_usl_atl1_avg_eigen_dit_vs_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: -0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

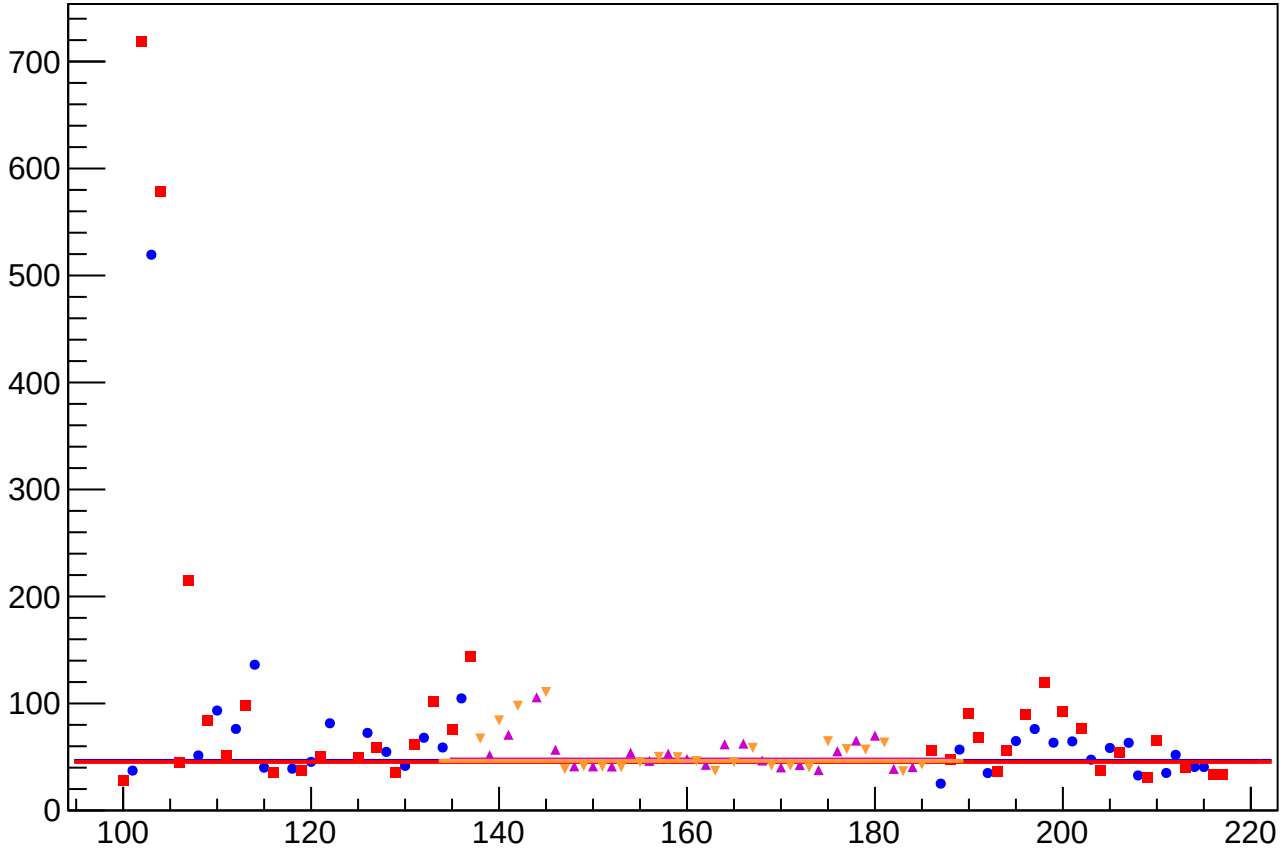
Right: -0.014+/-0.009 χ^2/NDF: 55.0/65

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.005+/-0.009 χ^2/NDF:52.5/58

All: -0.008+/-0.006 χ^2/NDF: 107.8/112

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: 45.370+/-0.009 χ^2/NDF: 5797769.2/34

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

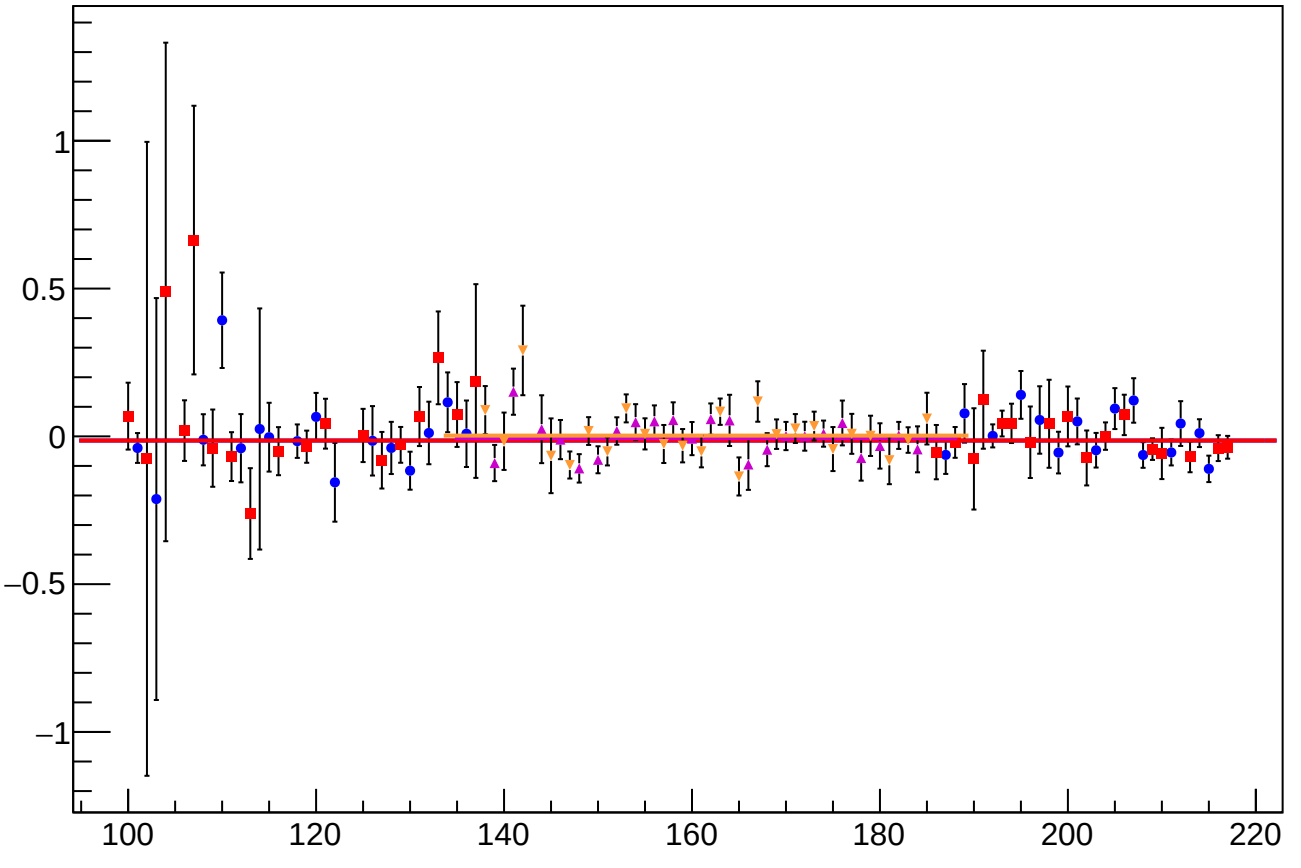
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 45.823+/-0.006 χ^2/NDF: 9649000.6/65

In: 46.950+/-0.006 χ^2/NDF:5432941.0/53

Out: 45.880+/-0.006 χ^2/NDF:7772089.1/58

All: 46.407+/-0.004 χ^2/NDF: 13220361.3/112



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: -0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

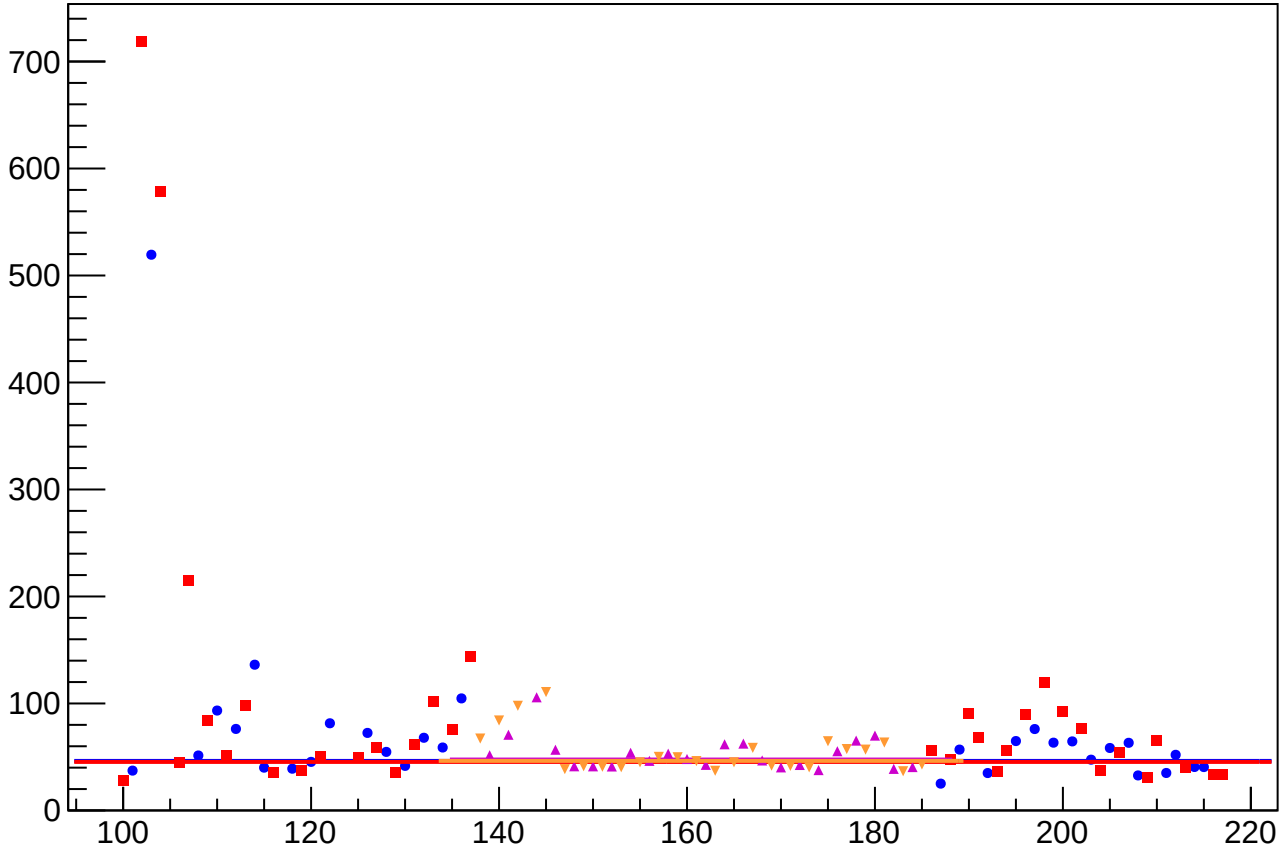
Right: -0.014+/-0.009 χ^2/NDF: 55.0/65

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.005+/-0.009 χ^2/NDF:52.5/58

All: -0.008+/-0.006 χ^2/NDF: 107.8/112

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: 45.370+/-0.009 χ^2/NDF: 5797769.2/34

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

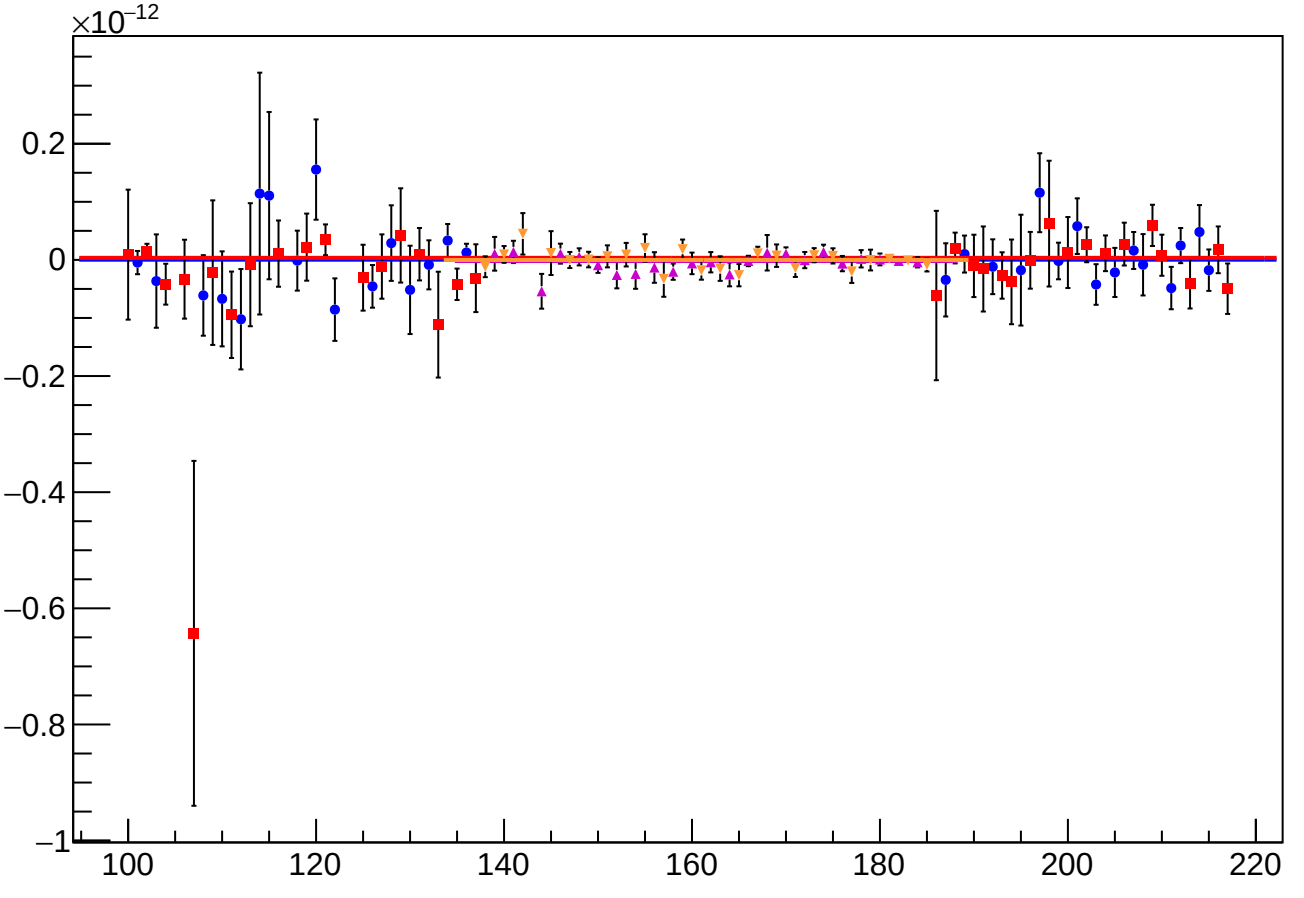
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 45.823+/-0.006 χ^2/NDF: 9649000.6/65

In: 46.950+/-0.006 χ^2/NDF:5432941.0/53

Out: 45.880+/-0.006 χ^2/NDF:7772089.1/58

All: 46.407+/-0.004 χ^2/NDF: 13220361.3/112



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: 24.4/34

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

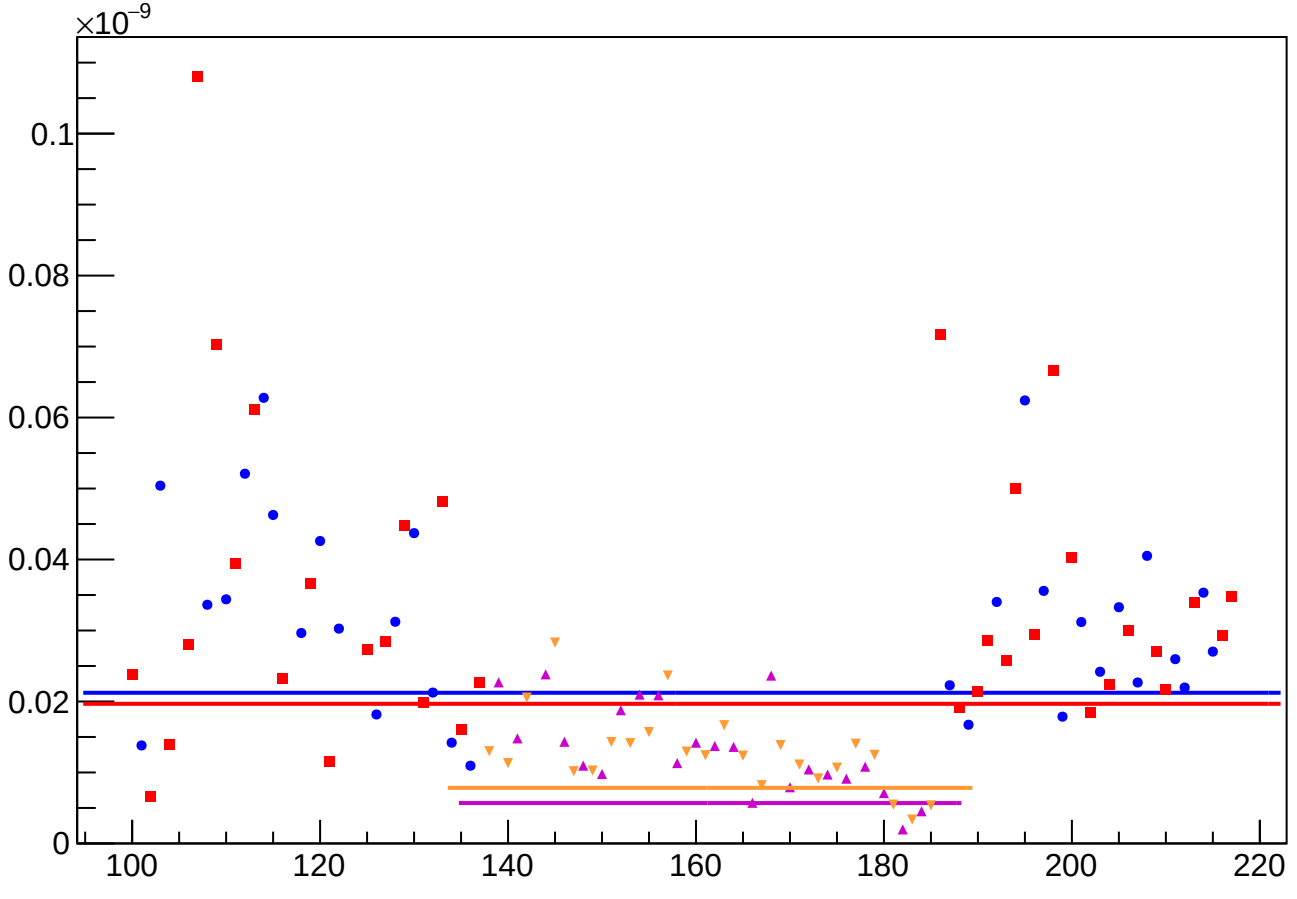
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 49.2/65

In: -0.000+/-0.000 χ^2/NDF:38.1/53

Out: 0.000+/-0.000 χ^2/NDF:38.5/58

All: -0.000+/-0.000 χ^2/NDF: 77.1/112



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: 6153010.2/34

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

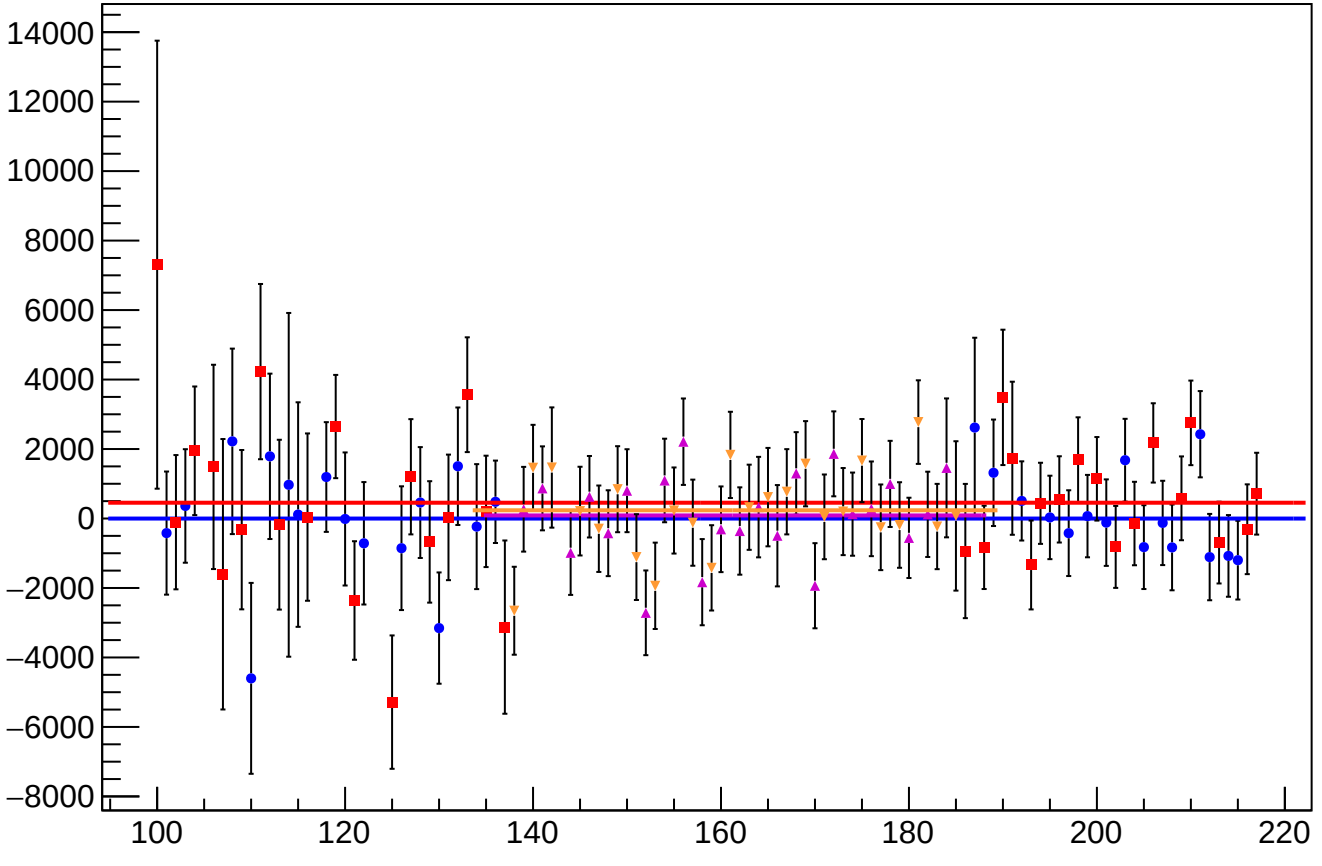
Right: 0.000+/-0.000 χ^2/NDF: 10236668.6/65

In: 0.000+/-0.000 χ^2/NDF:24331526.5/53

Out: 0.000+/-0.000 χ^2/NDF:18022175.2/58

All: 0.000+/-0.000 χ^2/NDF: 43445657.6/112

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: 454.271+/-259.917 χ^2/NDF: 41.2/34

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

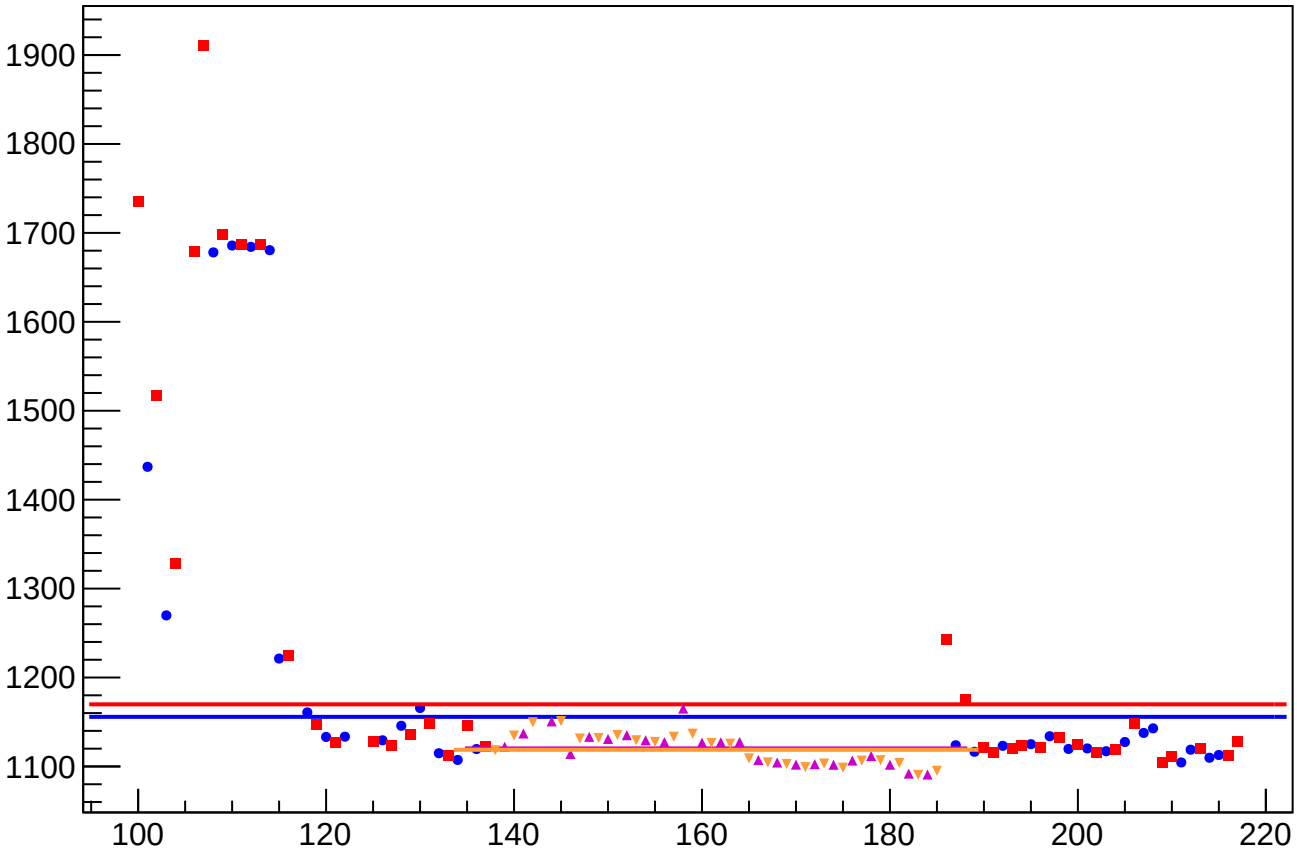
Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

Right: 230.229+/-185.309 χ^2/NDF: 64.4/65

In: 43.956+/-185.916 χ^2/NDF:42.6/53

Out: 345.332+/-183.701 χ^2/NDF:64.3/58

All: 196.450+/-130.673 χ^2/NDF: 108.2/112



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: 1169.856+/-0.184 χ^2/NDF: 564693.3/34

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

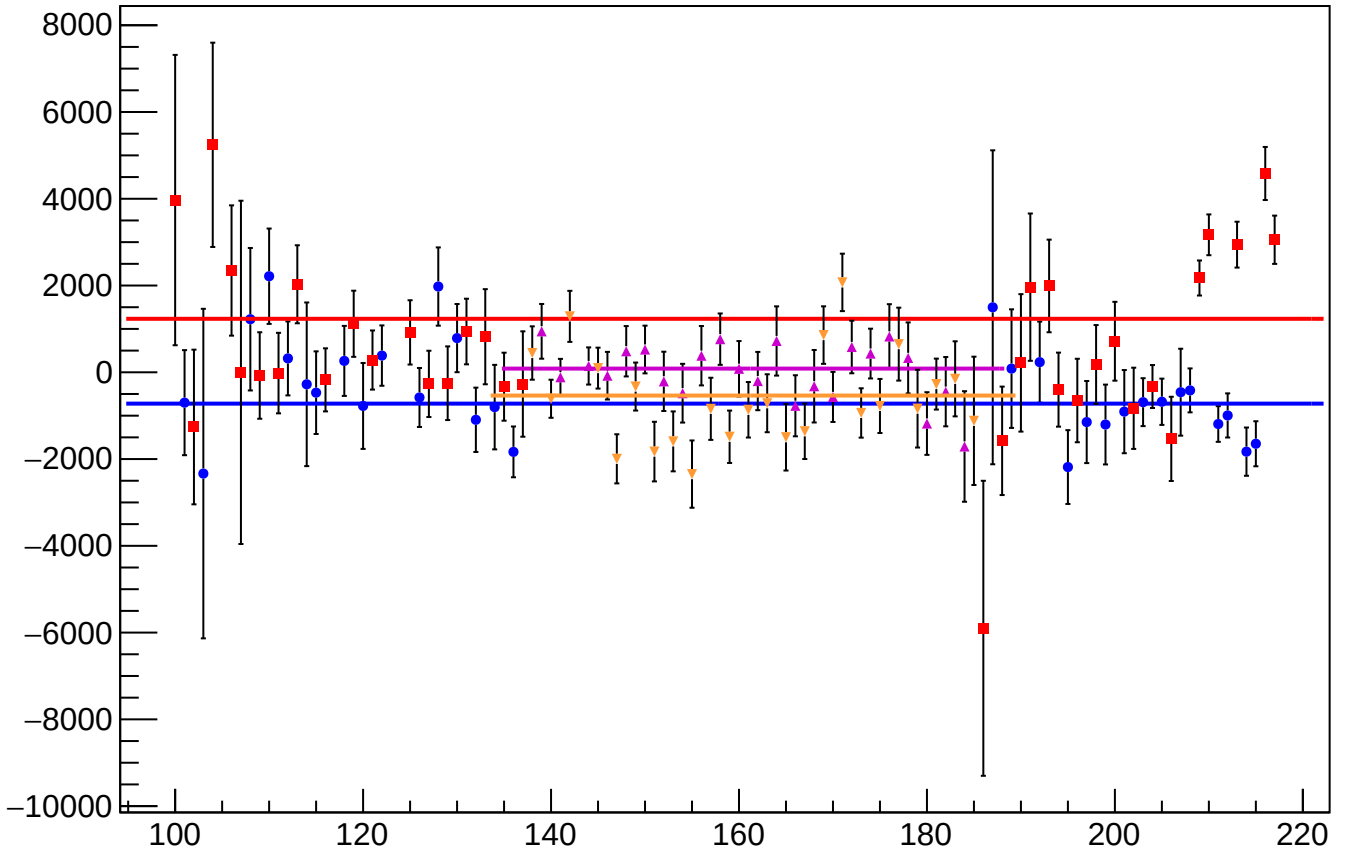
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1162.937+/-0.131 χ^2/NDF: 929932.1/65

In: 1137.866+/-0.131 χ^2/NDF:390039.4/53

Out: 1144.270+/-0.130 χ^2/NDF:611621.8/58

All: 1141.107+/-0.092 χ^2/NDF: 1002861.9/11



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: 1233.164+/-136.425 χ^2/NDF: 145.4/34

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

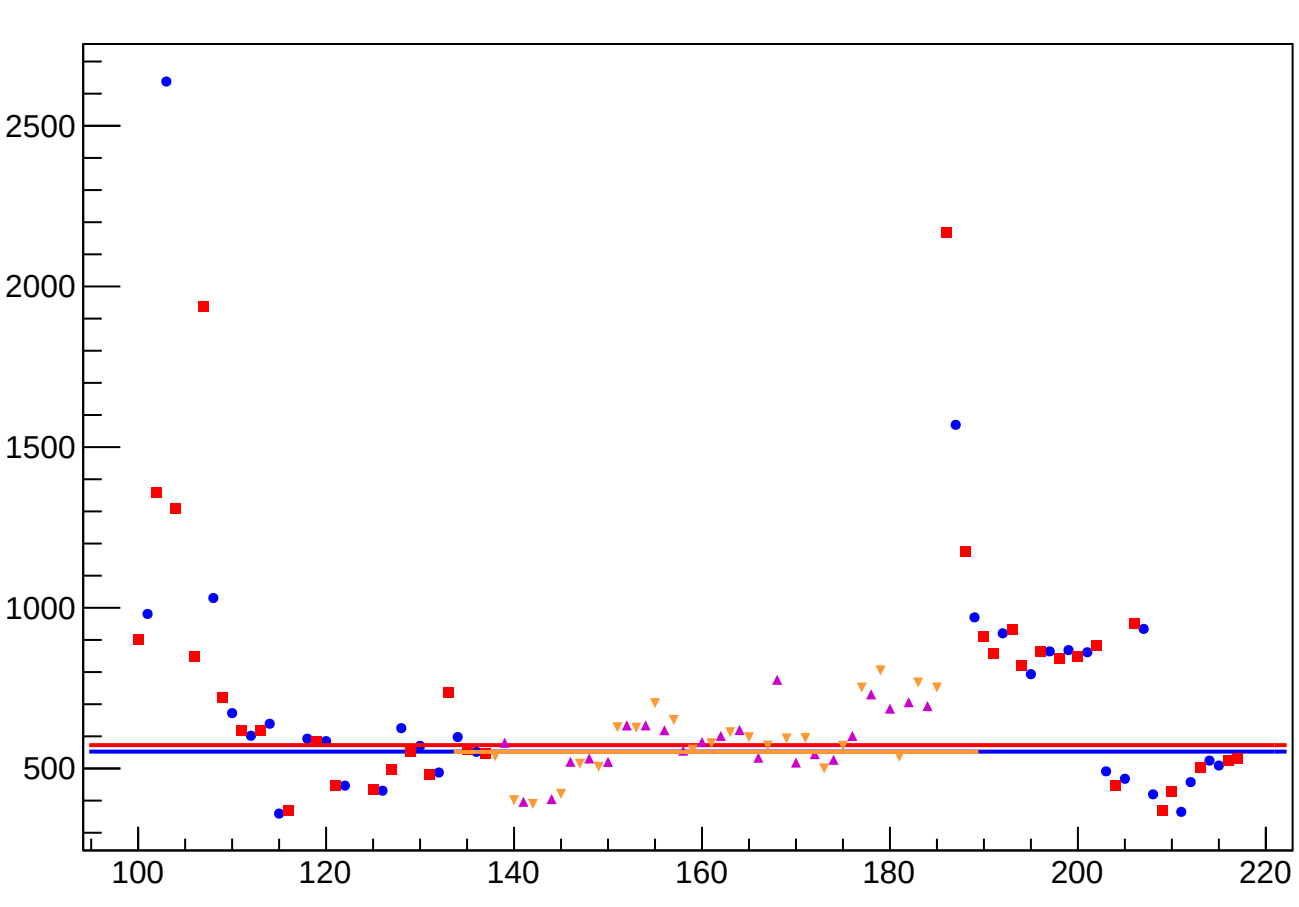
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 243.353+/-95.868 χ^2/NDF: 294.7/65

In: -307.016+/-93.915 χ^2/NDF:81.0/53

Out: 310.372+/-94.358 χ^2/NDF:294.6/58

All: 0.228+/-66.564 χ^2/NDF: 397.1/112



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: 572.624+/-0.096 χ^2/NDF: 4758345.6/34

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

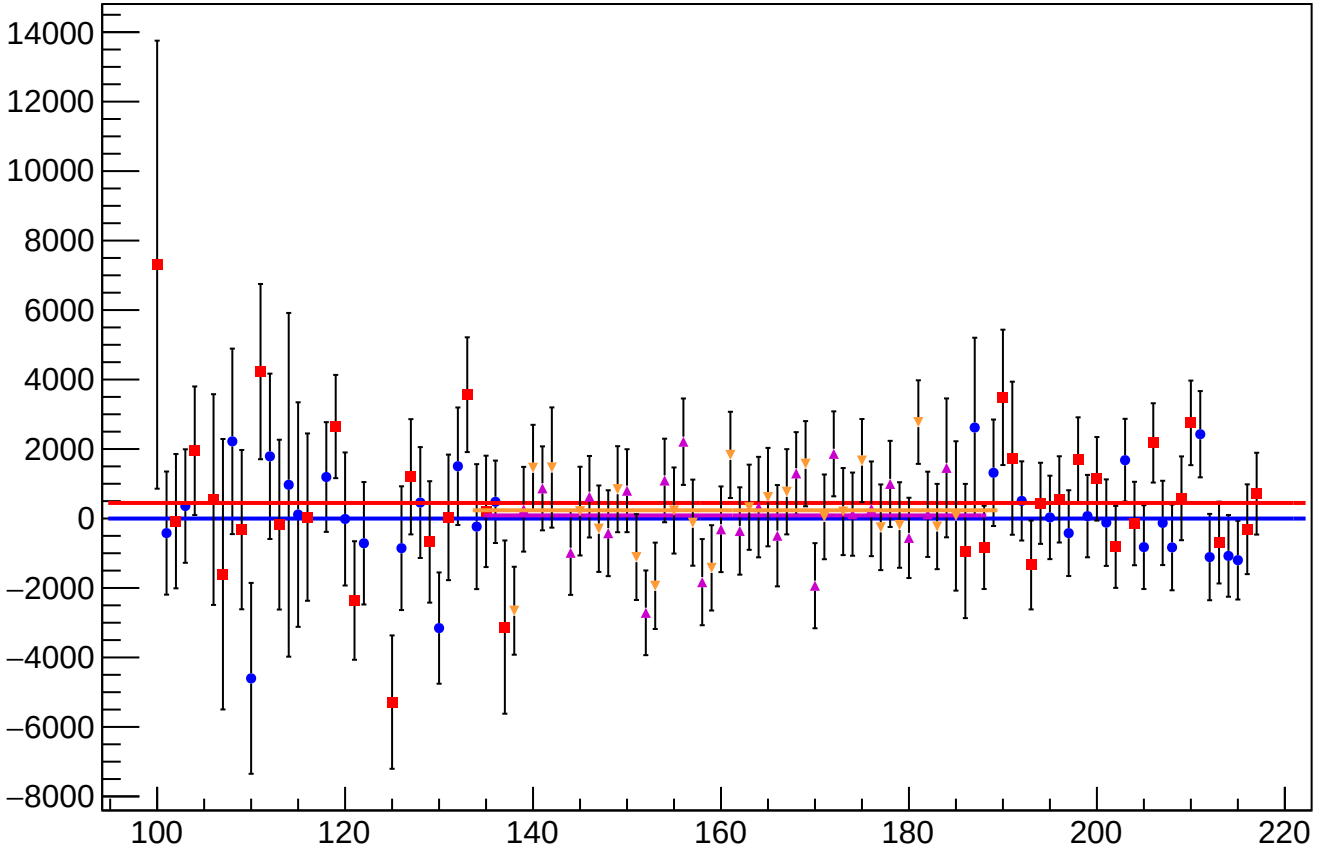
Right: 562.426+/-0.068 χ^2/NDF: 8555786.4/65

In: 551.891+/-0.066 χ^2/NDF:4837202.4/53

Out: 561.574+/-0.067 χ^2/NDF:6010116.4/58

All: 556.709+/-0.047 χ^2/NDF: 10857899.1/11

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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: 447.419+/-259.979 χ^2/NDF: 41.1/34

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

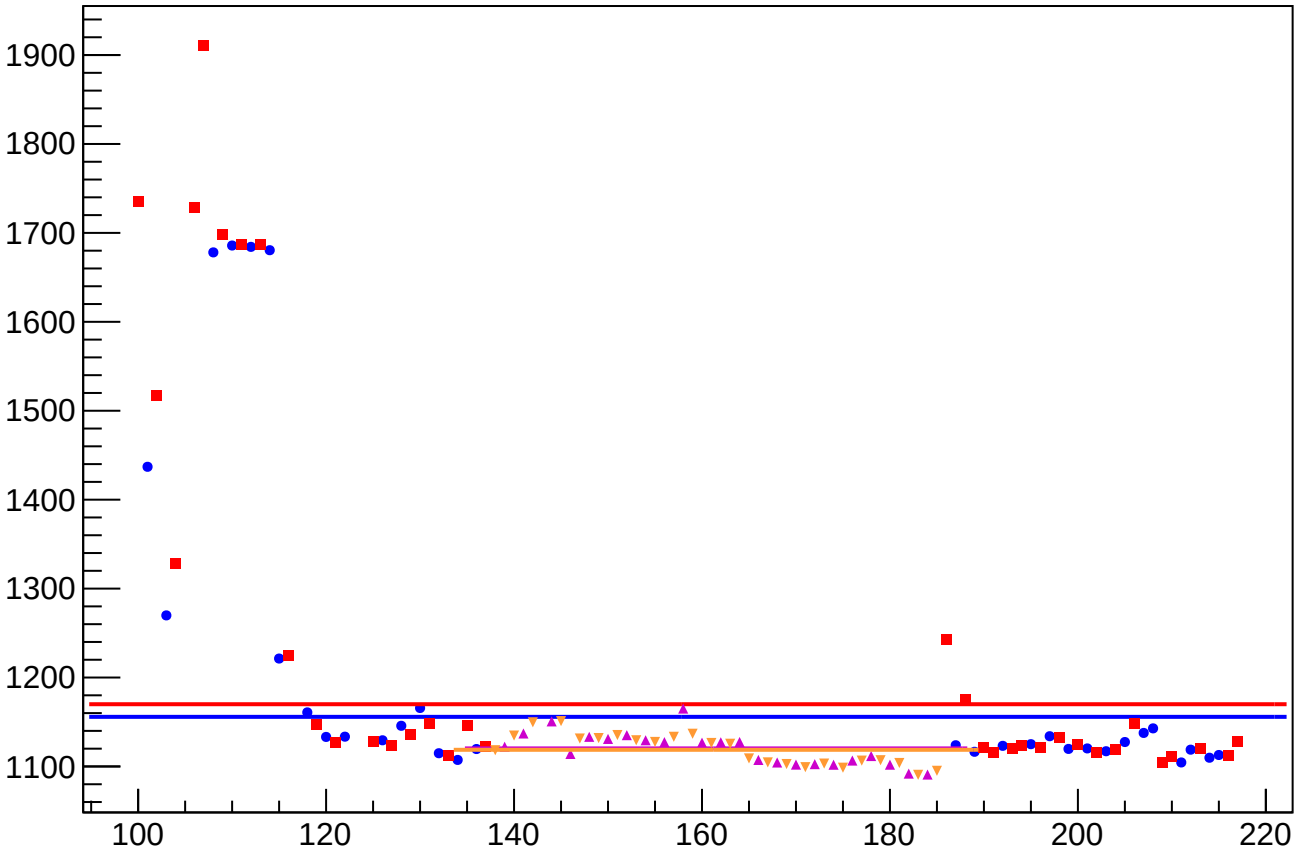
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 226.628+/-185.331 χ^2/NDF: 64.2/65

In: 43.885+/-185.916 χ^2/NDF:42.6/53

Out: 341.905+/-183.723 χ^2/NDF:64.1/58

All: 194.663+/-130.680 χ^2/NDF: 108.1/112



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: 1169.985+/-0.184 χ^2/NDF: 572702.4/34

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

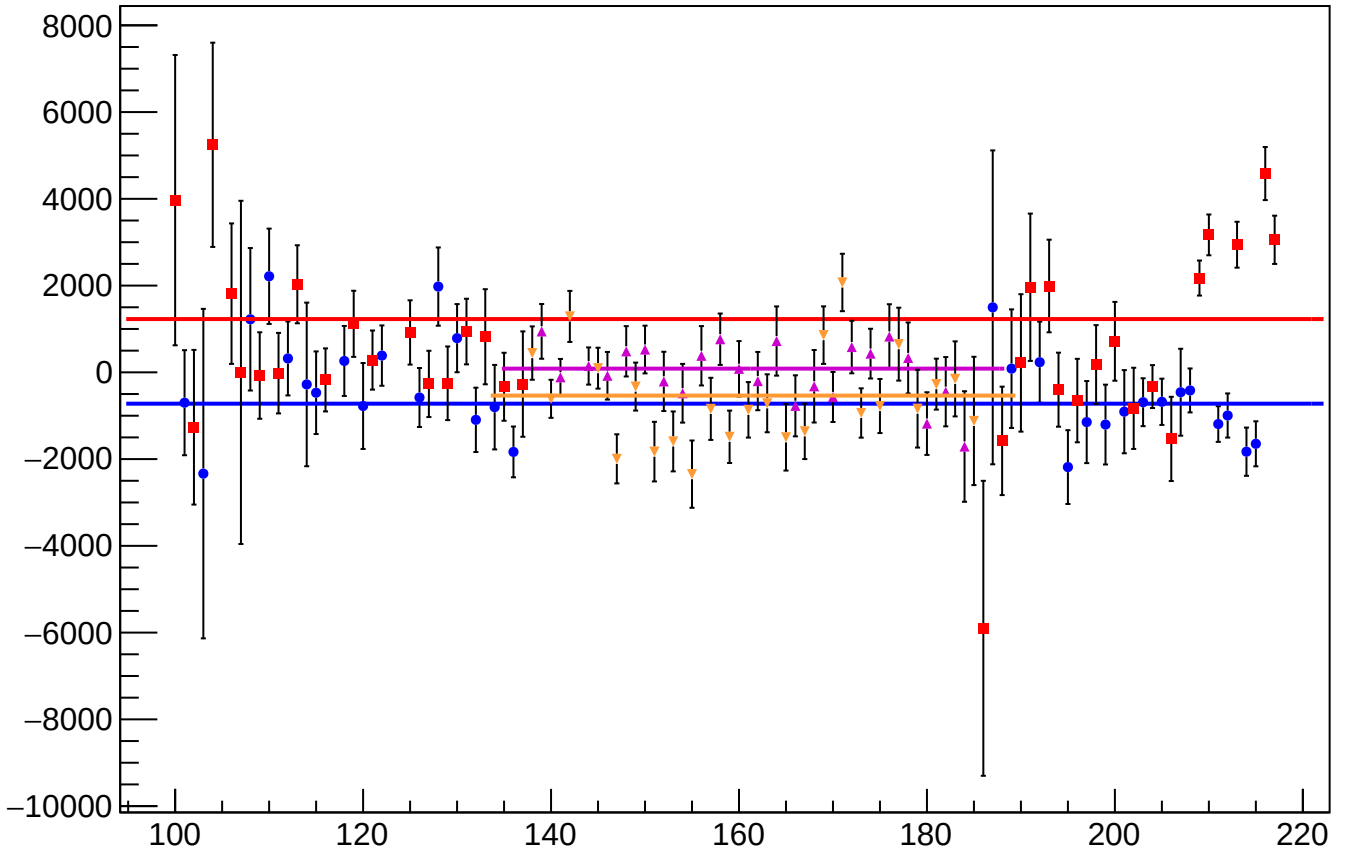
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1163.001+/-0.131 χ^2/NDF: 937993.6/65

In: 1137.866+/-0.131 χ^2/NDF:390039.5/53

Out: 1144.328+/-0.130 χ^2/NDF:619816.9/58

All: 1141.136+/-0.092 χ^2/NDF: 1011078.9/11



Right In: -722.266+/-134.747 χ^2/NDF: 45.4/30

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 1228.068+/-136.503 χ^2/NDF: 144.9/34

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

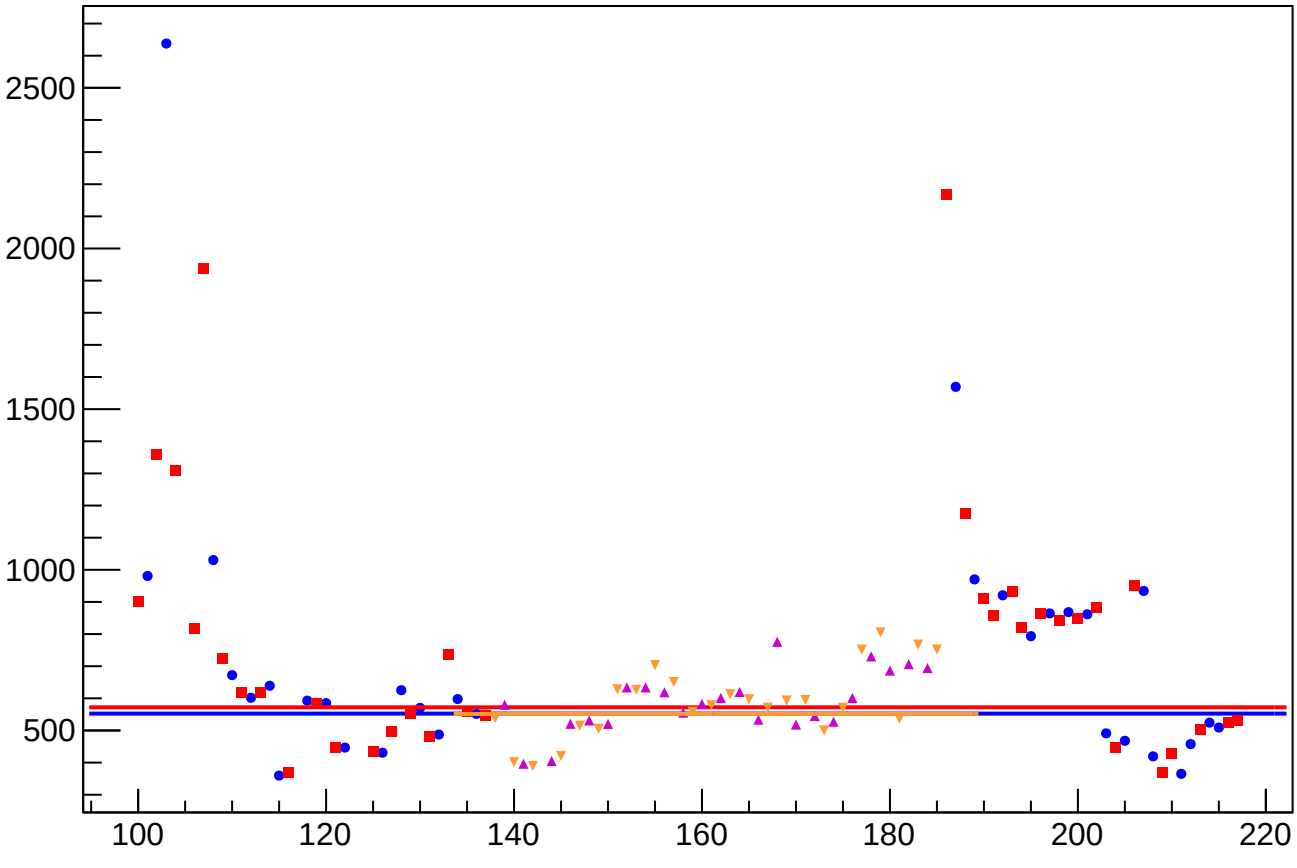
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 240.273+/-95.895 χ^2/NDF: 293.7/65

In: -307.023+/-93.915 χ^2/NDF:81.0/53

Out: 307.413+/-94.383 χ^2/NDF:293.7/58

All: -1.333+/-66.573 χ^2/NDF: 395.9/112



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: 572.080+/-0.097 χ^2/NDF: 4737010.7/34

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

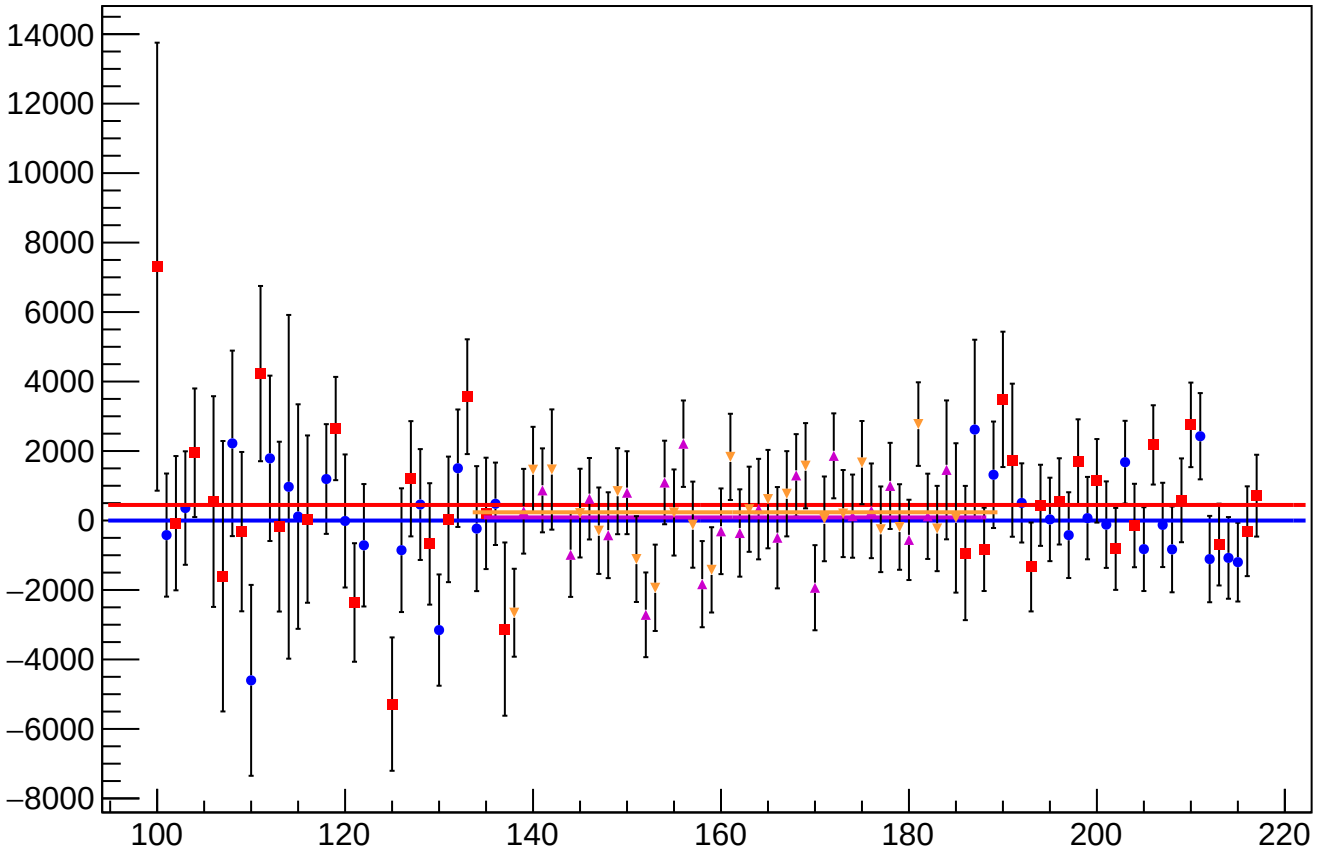
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 562.151+/-0.068 χ^2/NDF: 8533256.3/65

In: 551.889+/-0.066 χ^2/NDF:4837155.6/53

Out: 561.308+/-0.067 χ^2/NDF:5987510.3/58

All: 556.575+/-0.047 χ^2/NDF: 10834673.5/11



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: 447.419+/-259.979 χ^2/NDF: 41.1/34

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

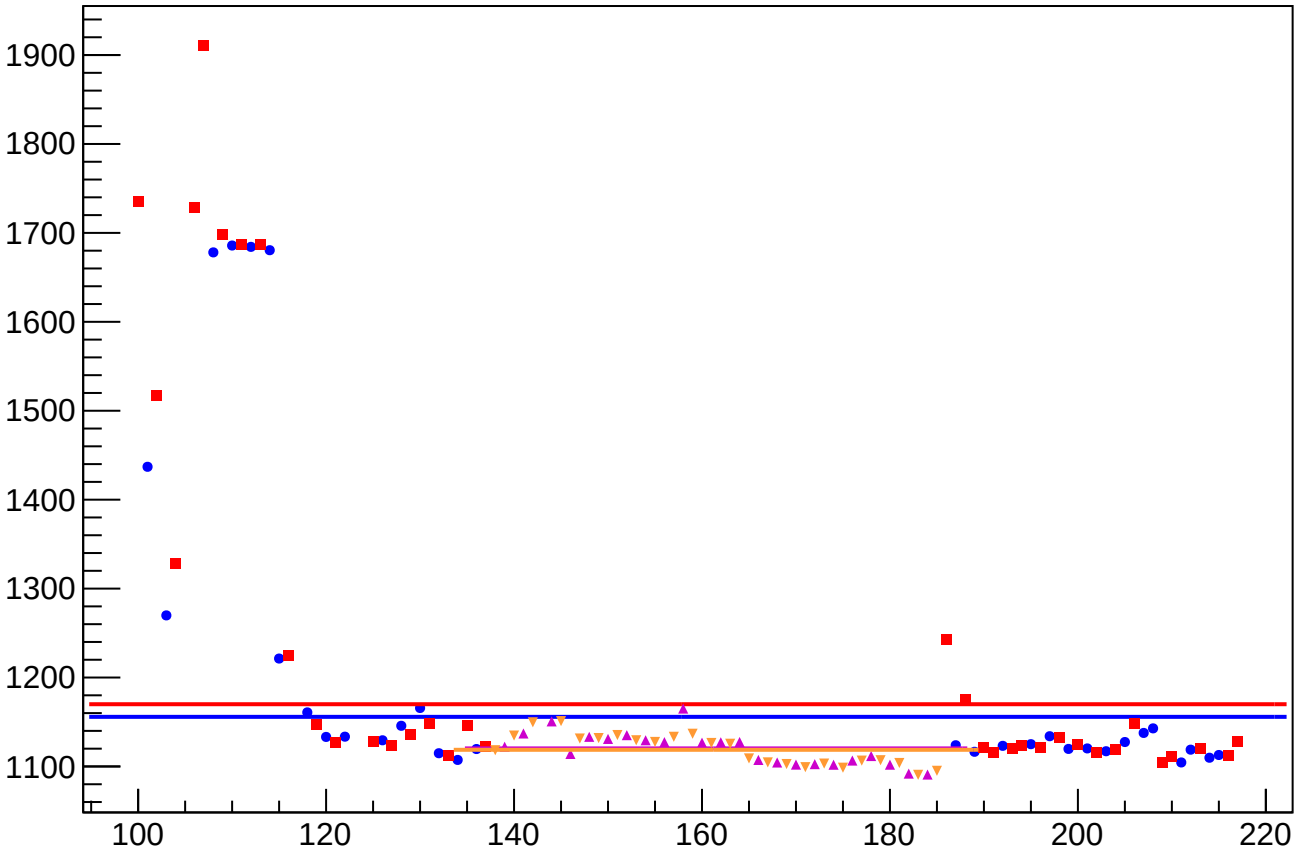
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 226.628+/-185.331 χ^2/NDF: 64.2/65

In: 43.885+/-185.916 χ^2/NDF:42.6/53

Out: 341.905+/-183.723 χ^2/NDF:64.1/58

All: 194.663+/-130.680 χ^2/NDF: 108.1/112



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: 1169.985+/-0.184 χ^2/NDF: 572702.4/34

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

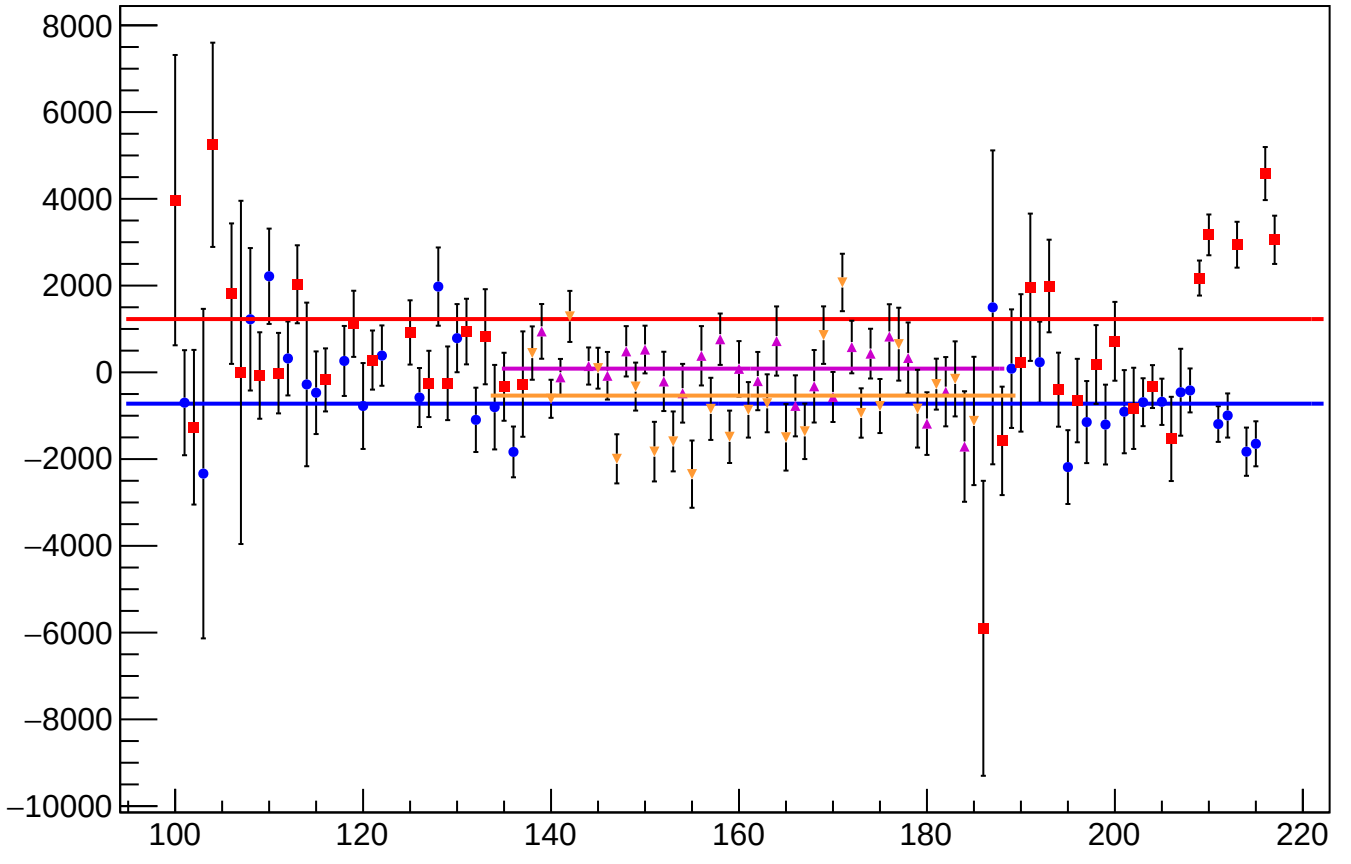
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1163.001+/-0.131 χ^2/NDF: 937993.6/65

In: 1137.866+/-0.131 χ^2/NDF:390039.5/53

Out: 1144.328+/-0.130 χ^2/NDF:619816.9/58

All: 1141.136+/-0.092 χ^2/NDF: 1011078.9/11



Right In: -722.266+/-134.747 χ^2/NDF: 45.4/30

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 1228.068+/-136.503 χ^2/NDF: 144.9/34

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

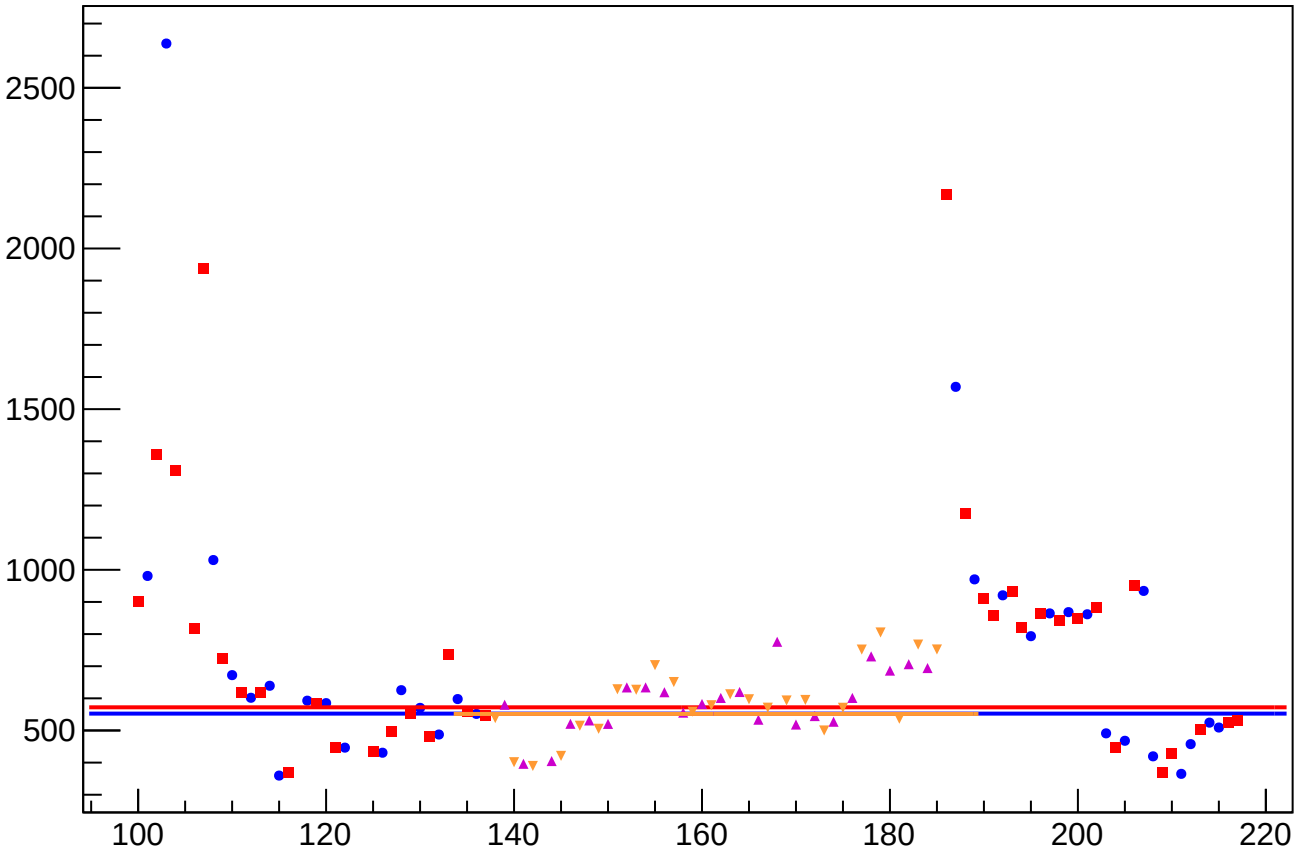
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 240.273+/-95.895 χ^2/NDF: 293.7/65

In: -307.023+/-93.915 χ^2/NDF:81.0/53

Out: 307.413+/-94.383 χ^2/NDF:293.7/58

All: -1.333+/-66.573 χ^2/NDF: 395.9/112



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: 572.080+/-0.097 χ^2/NDF: 4737010.7/34

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

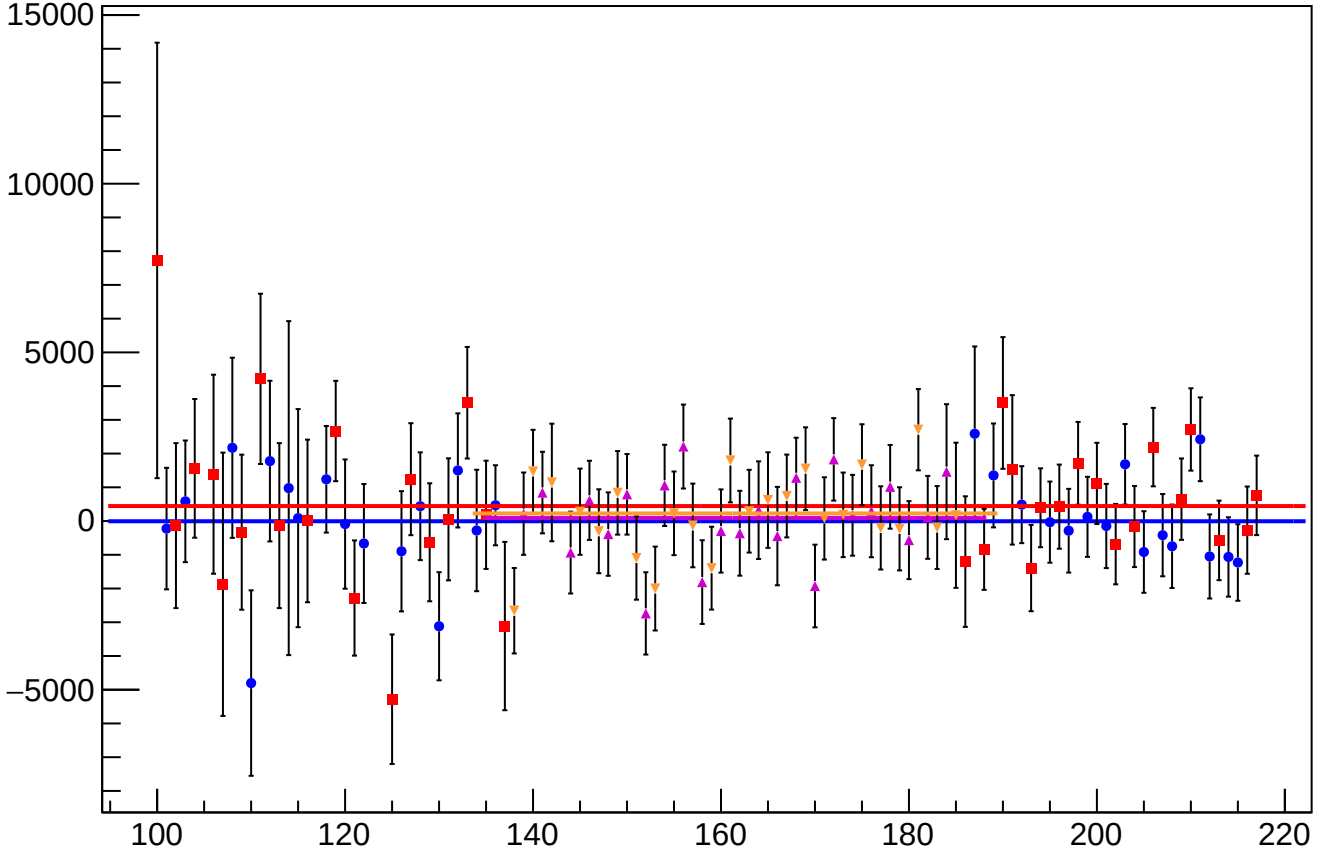
Right: 562.151+/-0.068 χ^2/NDF: 8533256.3/65

In: 551.889+/-0.066 χ^2/NDF:4837155.6/53

Out: 561.308+/-0.067 χ^2/NDF:5987510.3/58

All: 556.575+/-0.047 χ^2/NDF: 10834673.5/1

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -5.850+/-265.394 χ^2/NDF: 21.9/30

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 444.114+/-261.962 χ^2/NDF: 40.4/34

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

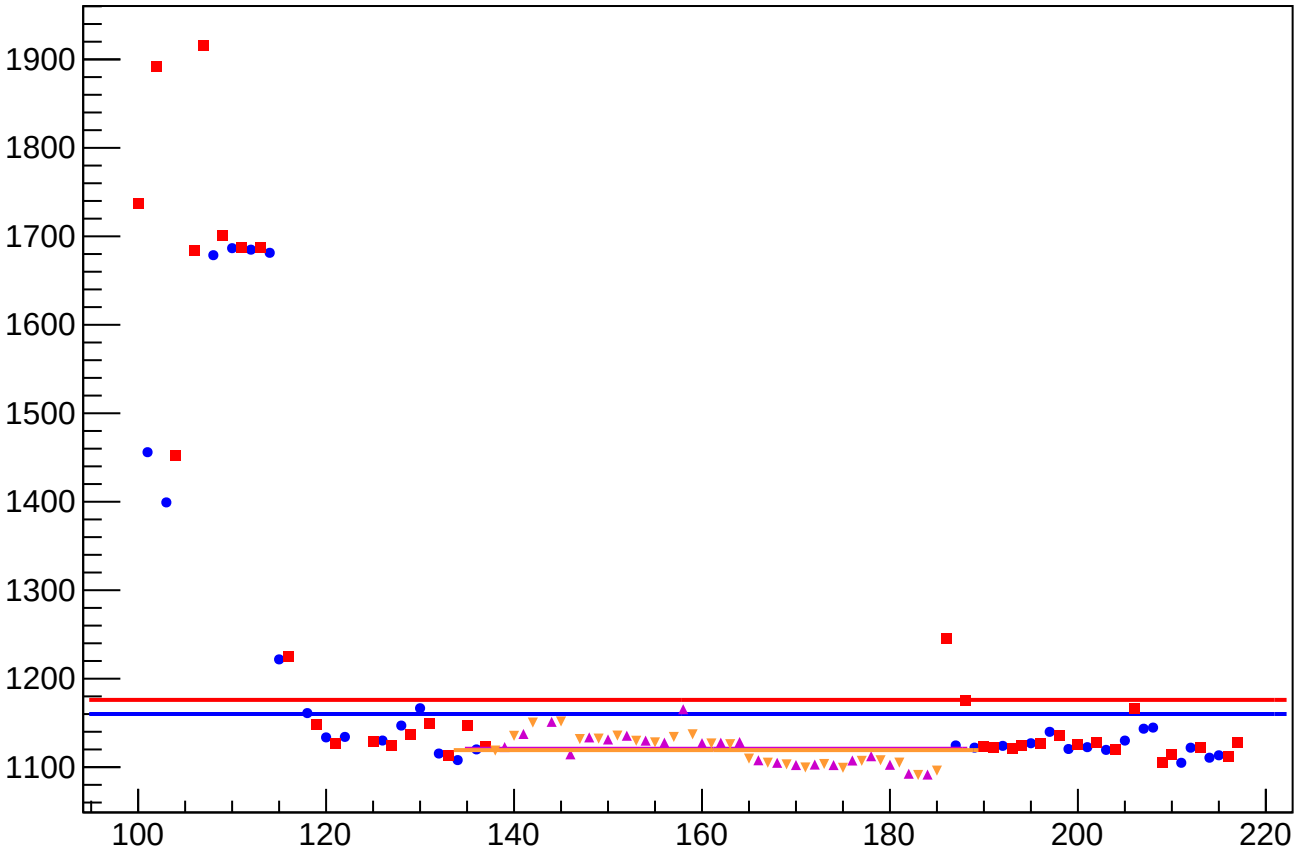
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 222.060+/-186.436 χ^2/NDF: 63.7/65

In: 42.276+/-186.348 χ^2/NDF:42.5/53

Out: 333.996+/-184.476 χ^2/NDF:62.9/58

All: 189.609+/-131.101 χ^2/NDF: 106.6/112



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: 1176.024+/-0.185 χ^2/NDF: 694213.7/34

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

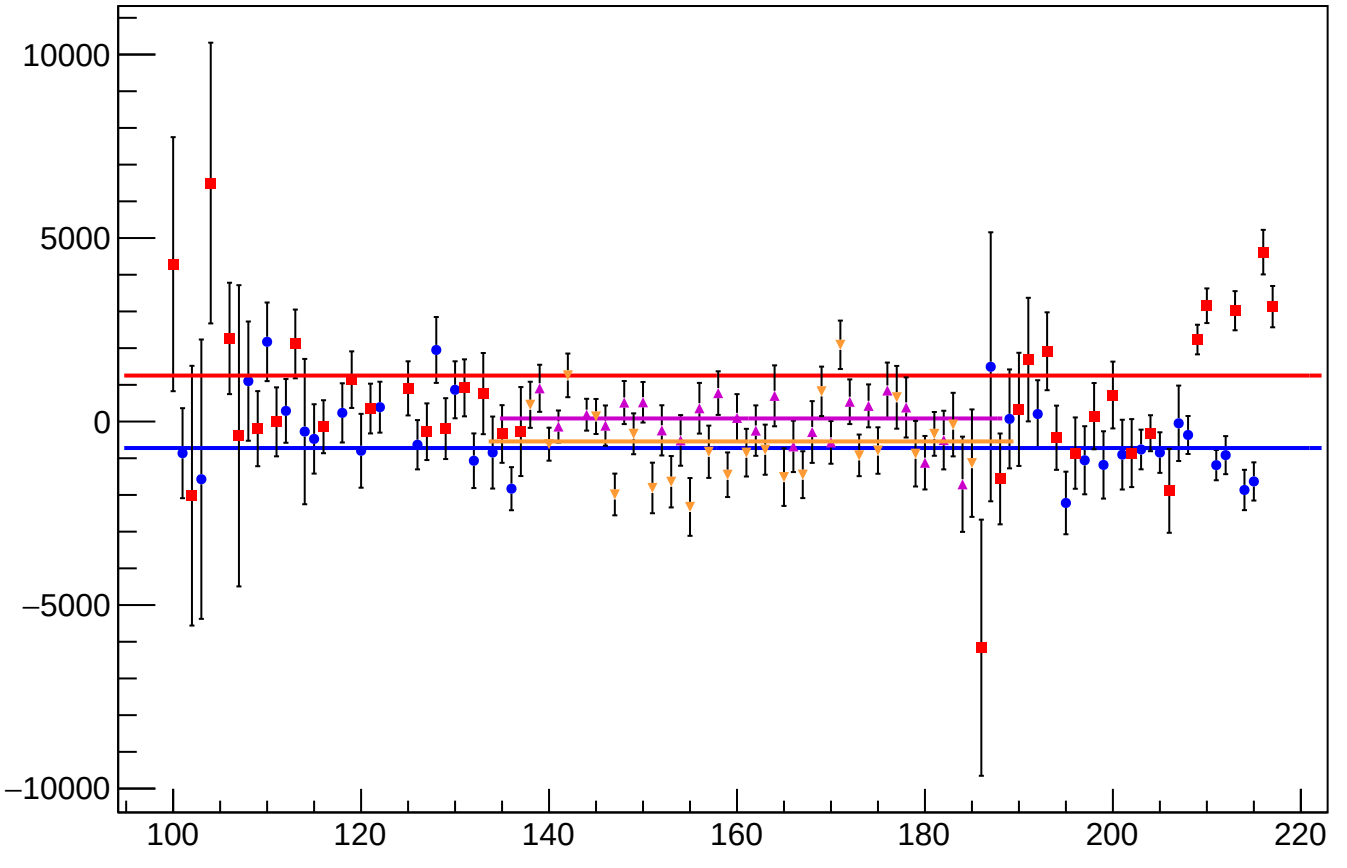
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1168.155+/-0.132 χ^2/NDF: 1089470.9/65

In: 1140.166+/-0.132 χ^2/NDF:423237.8/53

Out: 1147.409+/-0.130 χ^2/NDF:749697.5/58

All: 1143.824+/-0.093 χ^2/NDF: 1174461.3/11



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: 1253.155+/-137.662 χ^2/NDF: 146.3/34

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

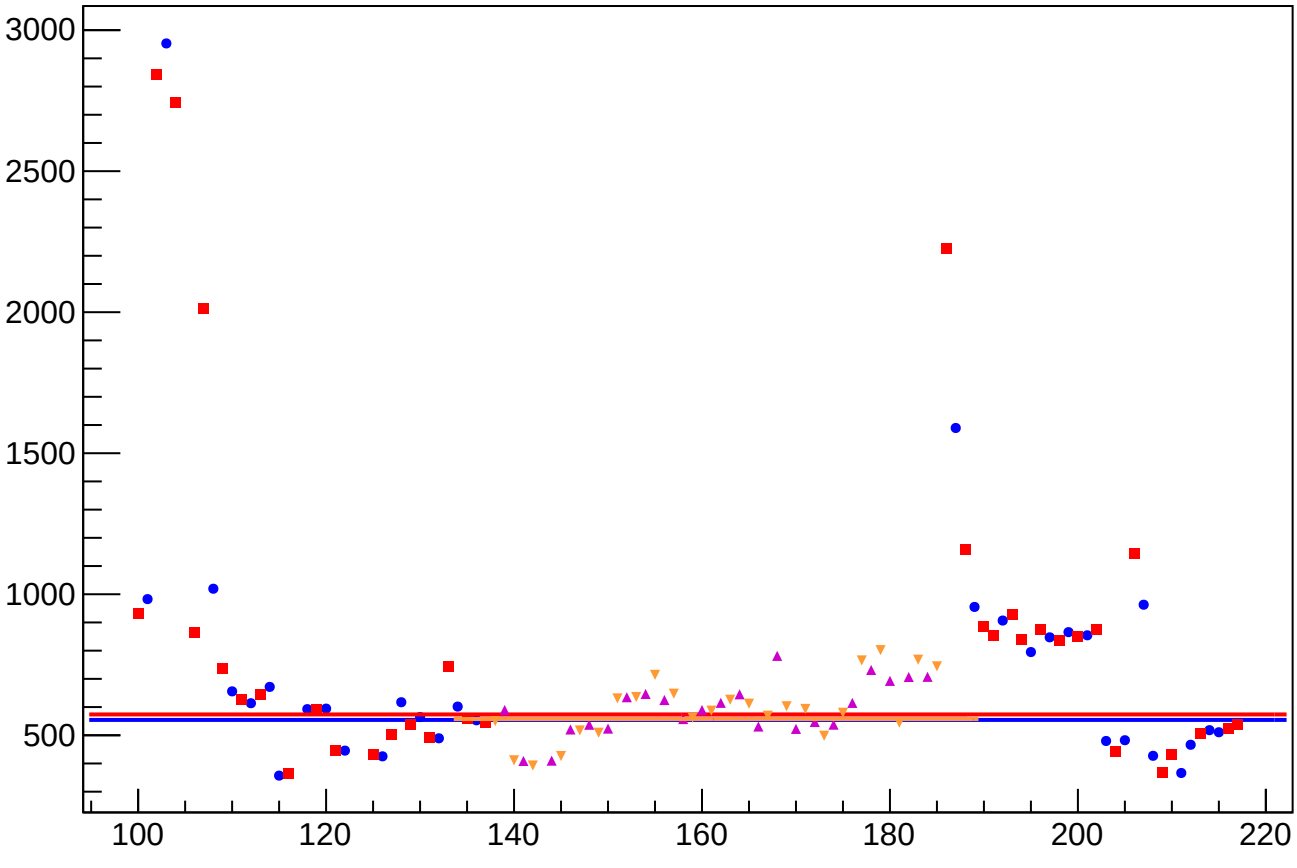
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 247.194+/-96.425 χ^2/NDF: 297.1/65

In: -311.117+/-94.617 χ^2/NDF:80.5/53

Out: 318.196+/-95.281 χ^2/NDF:295.7/58

All: 1.338+/-67.138 χ^2/NDF: 398.1/112



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: 573.834+/-0.097 χ^2/NDF: 5869559.7/34

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

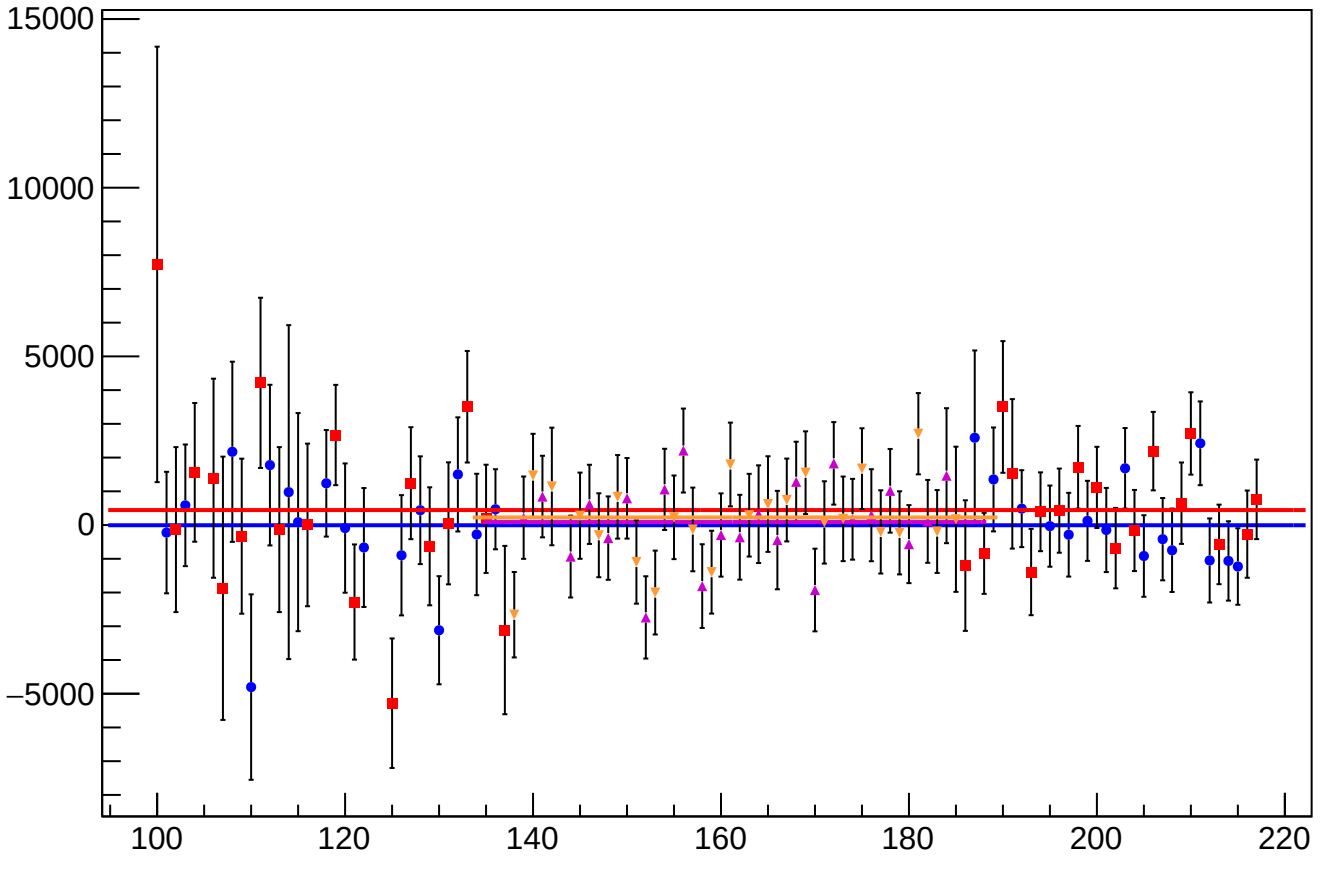
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 563.953+/-0.068 χ^2/NDF: 9798079.9/65

In: 556.452+/-0.067 χ^2/NDF:4936980.4/53

Out: 565.373+/-0.067 χ^2/NDF:7077334.3/58

All: 560.881+/-0.047 χ^2/NDF: 12023141.3/11



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: 444.113+/-261.962 χ^2/NDF: 40.4/34

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

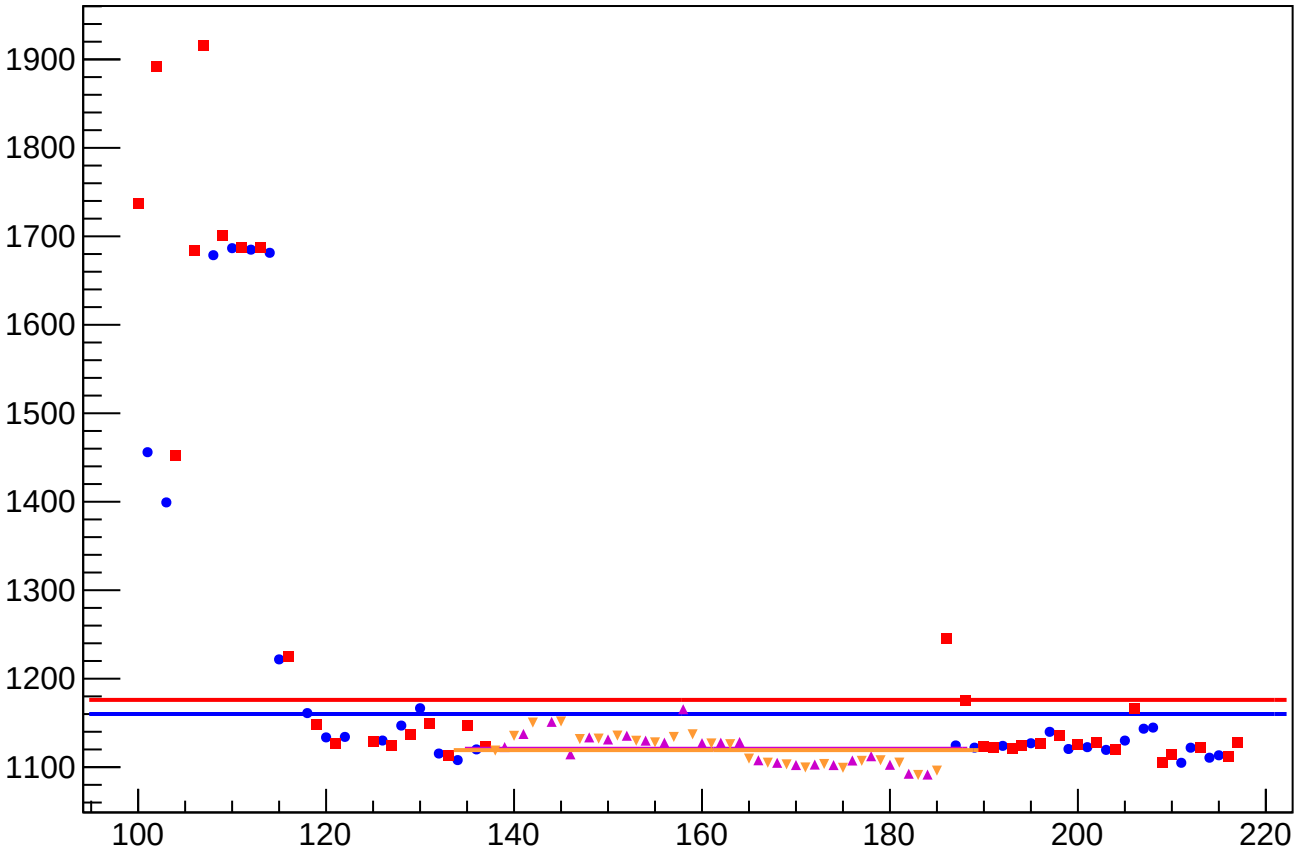
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 222.061+/-186.436 χ^2/NDF: 63.7/65

In: 42.277+/-186.348 χ^2/NDF:42.5/53

Out: 333.994+/-184.476 χ^2/NDF:62.9/58

All: 189.608+/-131.101 χ^2/NDF: 106.6/112



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: 1176.024+/-0.185 χ^2/NDF: 694213.0/34

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

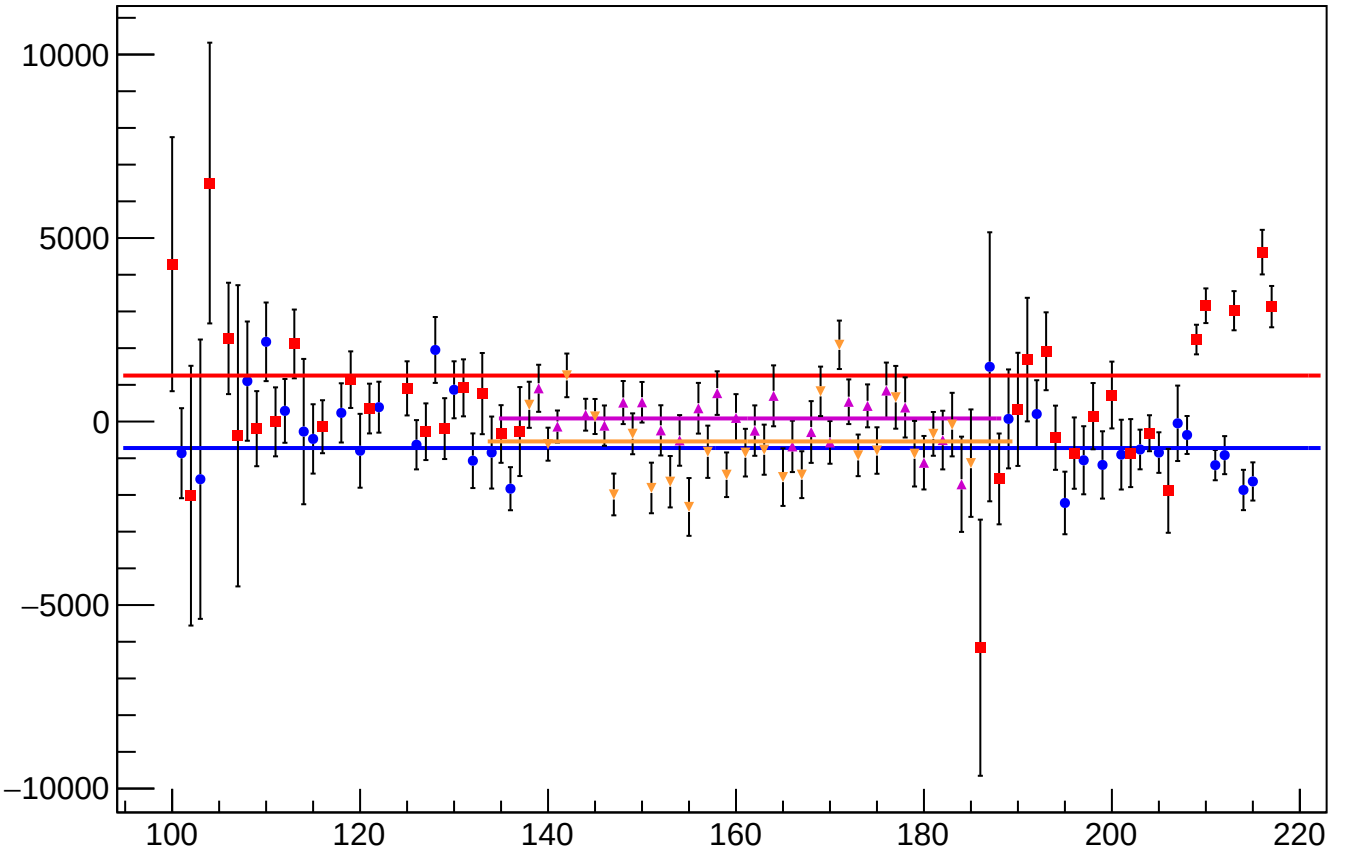
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1168.155+/-0.132 χ^2/NDF: 1089469.6/65

In: 1140.166+/-0.132 χ^2/NDF:423237.3/53

Out: 1147.409+/-0.130 χ^2/NDF:749696.8/58

All: 1143.824+/-0.093 χ^2/NDF: 1174460.1/11



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: 1253.156+/-137.662 χ^2/NDF: 146.3/34

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

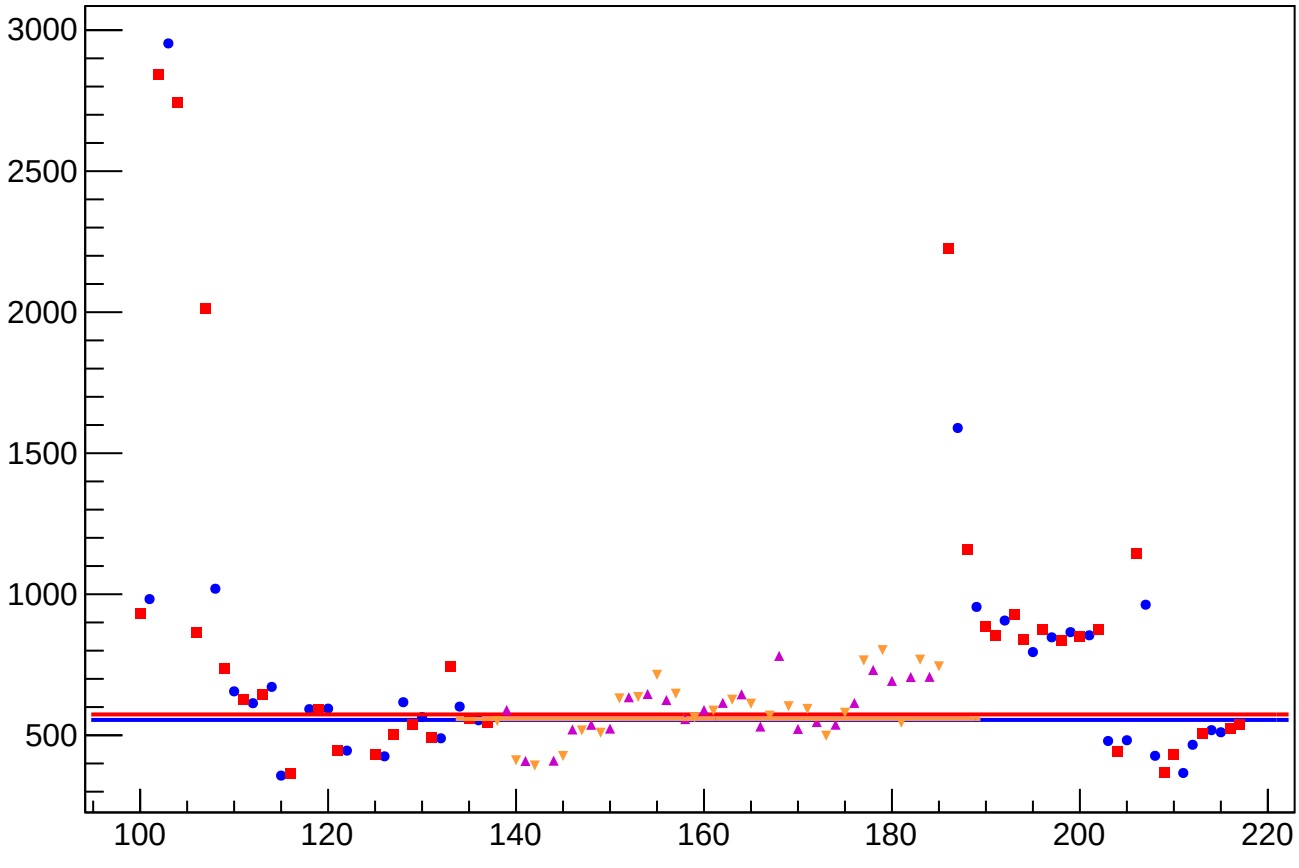
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 247.194+/-96.425 χ^2/NDF: 297.1/65

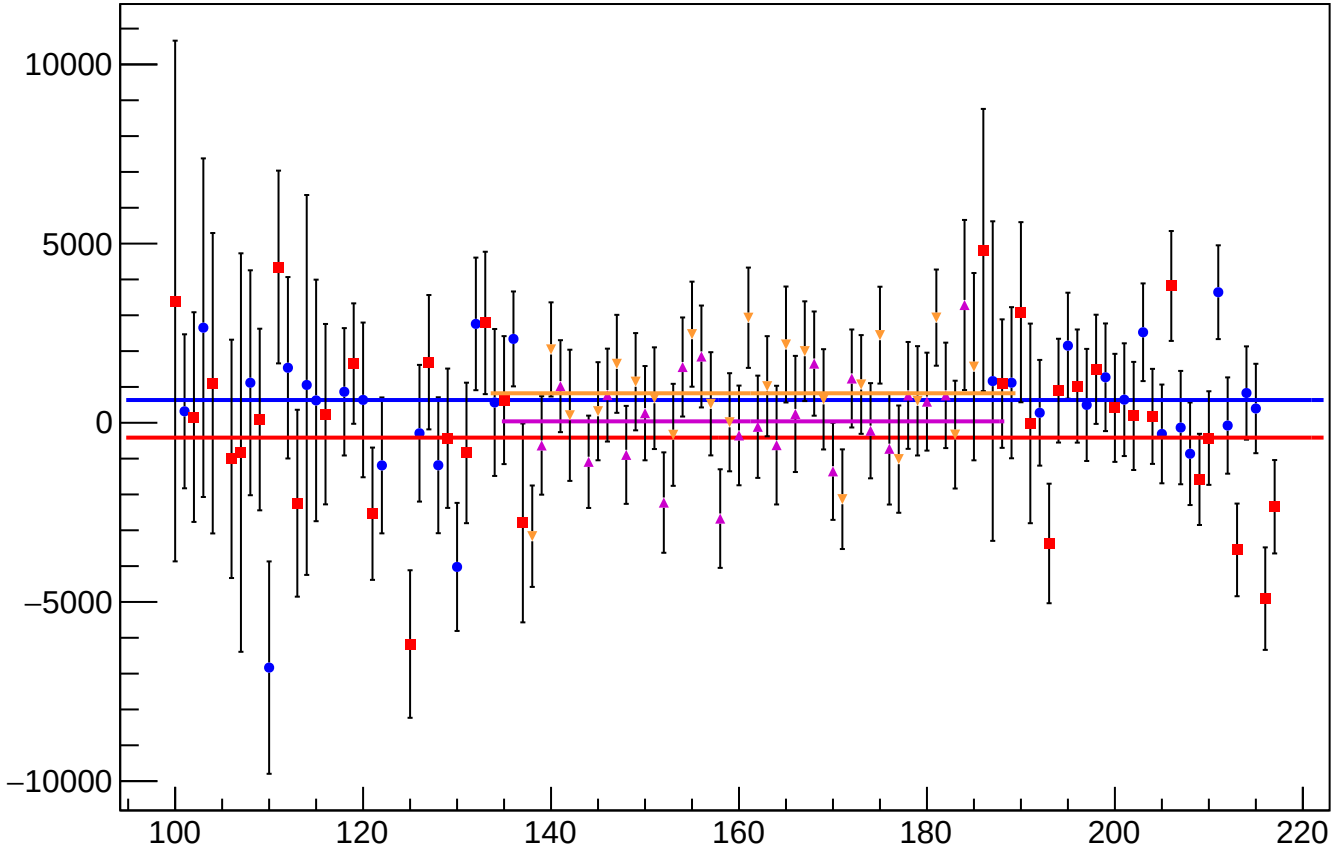
In: -311.117+/-94.617 χ^2/NDF:80.5/53

Out: 318.197+/-95.281 χ^2/NDF:295.7/58

All: 1.338+/-67.138 χ^2/NDF: 398.1/112


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 554.436+/-0.096 χ²/NDF: 3908294.7/30
Left Out: 557.591+/-0.093 χ²/NDF:1193291.2/23
Right Out: 573.834+/-0.097 χ²/NDF: 5869568.1/34
Left In: 558.392+/-0.094 χ²/NDF:1027828.9/22
Left: 557.990+/-0.066 χ²/NDF: 2221156.8/46
Right: 563.953+/-0.068 χ²/NDF: 9798091.2/65
In: 556.452+/-0.067 χ²/NDF:4936997.7/53
Out: 565.372+/-0.067 χ²/NDF:7077364.3/58
All: 560.881+/-0.047 χ²/NDF: 12023188.5/11

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: -414.223+/-310.258 χ^2/NDF: 57.7/34

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

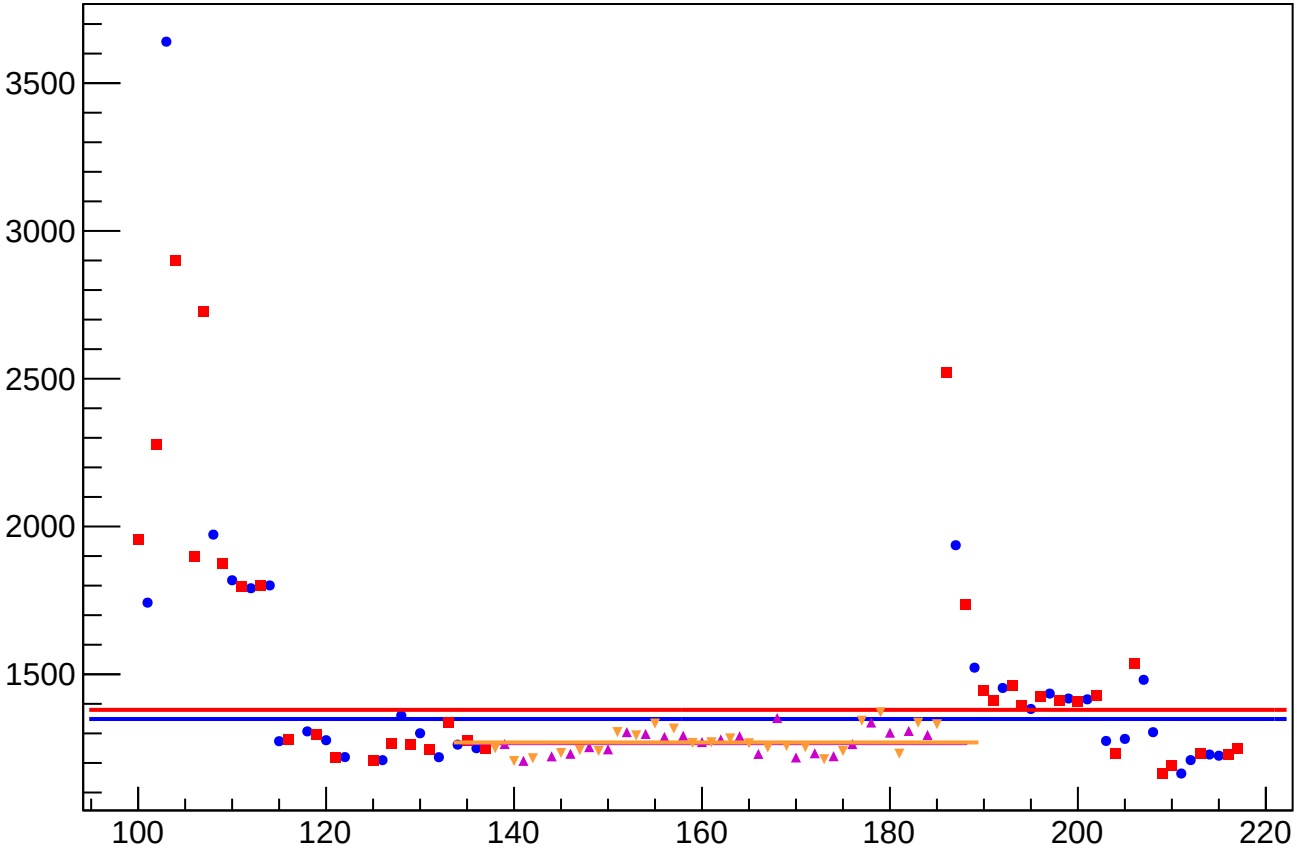
Right: 108.213+/-219.831 χ^2/NDF: 92.7/65

In: 322.113+/-214.583 χ^2/NDF:49.1/53

Out: 236.070+/-213.724 χ^2/NDF:92.3/58

All: 278.919+/-151.429 χ^2/NDF: 141.4/112

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: 1379.662+/-0.219 χ^2/NDF: 1350805.2/34

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

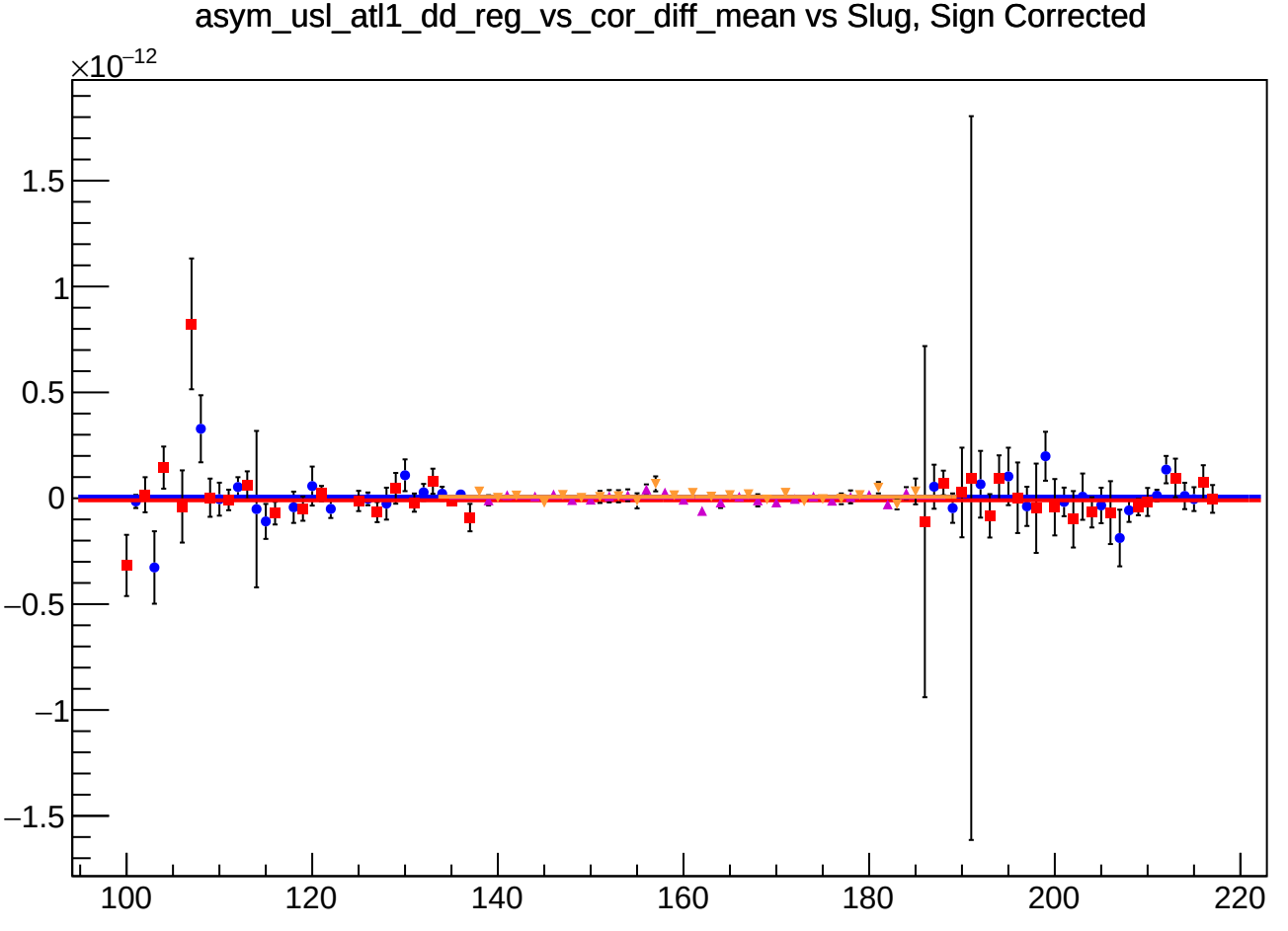
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1364.228+/-0.155 χ^2/NDF: 2351528.5/65

In: 1305.785+/-0.152 χ^2/NDF:1097451.5/53

Out: 1321.744+/-0.151 χ^2/NDF:1526484.0/58

All: 1313.796+/-0.107 χ^2/NDF: 2629489.1/11



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: 32.1/34

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

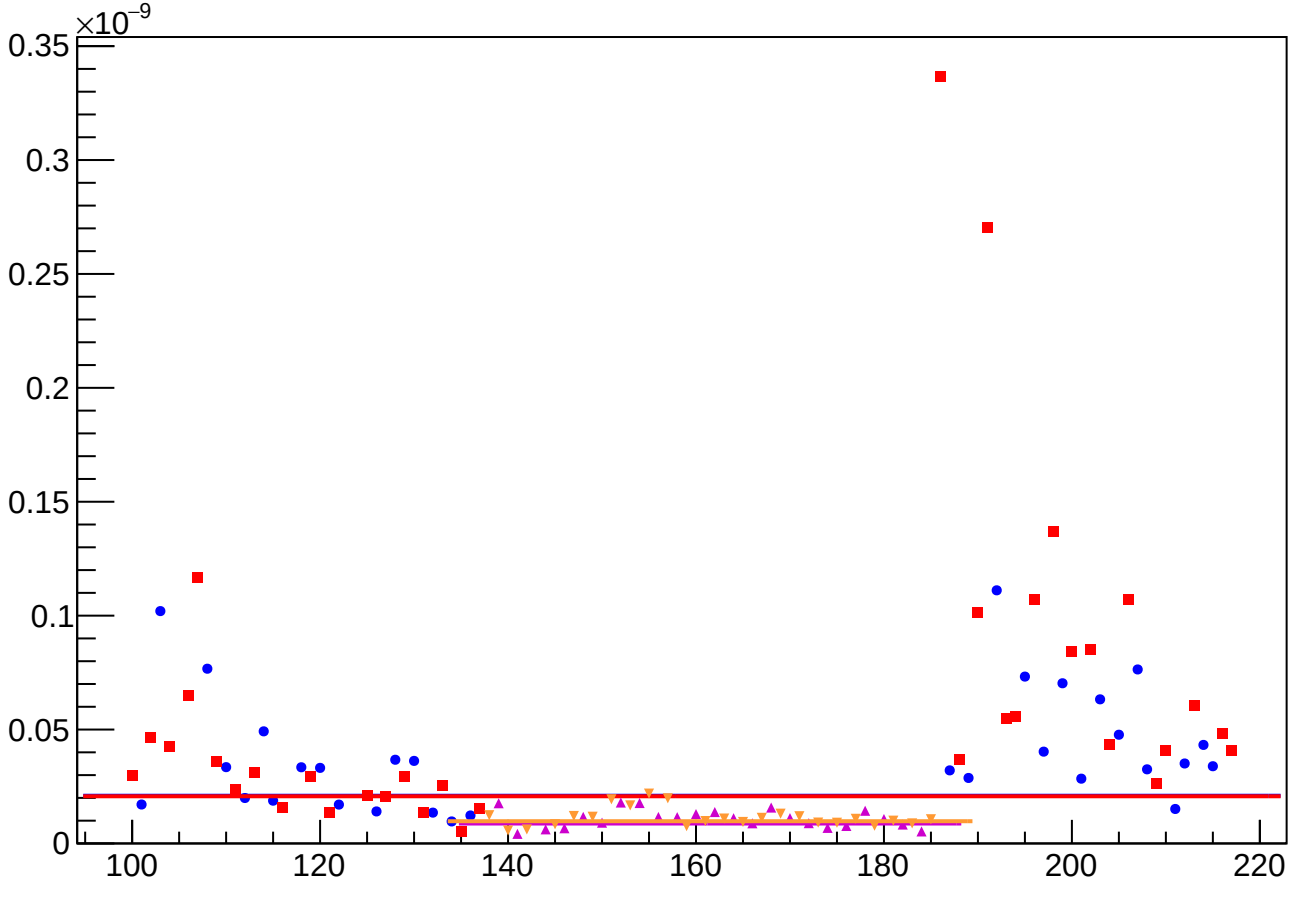
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 63.0/65

In: 0.000+/-0.000 χ^2/NDF:52.4/53

Out: 0.000+/-0.000 χ^2/NDF:54.5/58

All: 0.000+/-0.000 χ^2/NDF: 106.9/112



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: 8172014.0/34

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

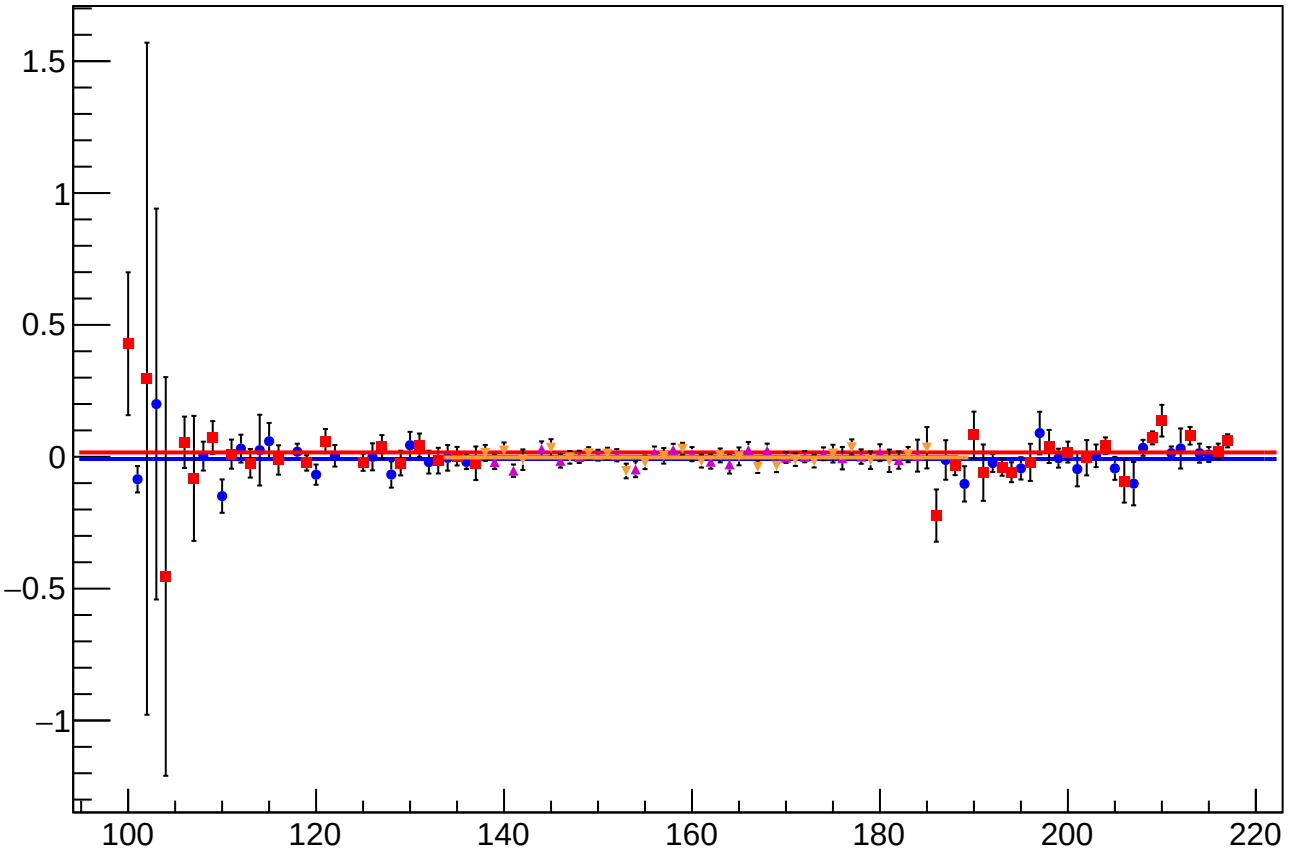
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 13024067.5/65

In: 0.000+/-0.000 χ^2/NDF:9846790.0/53

Out: 0.000+/-0.000 χ^2/NDF:11833901.4/58

All: 0.000+/-0.000 χ^2/NDF: 21748245.1/112



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: 0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

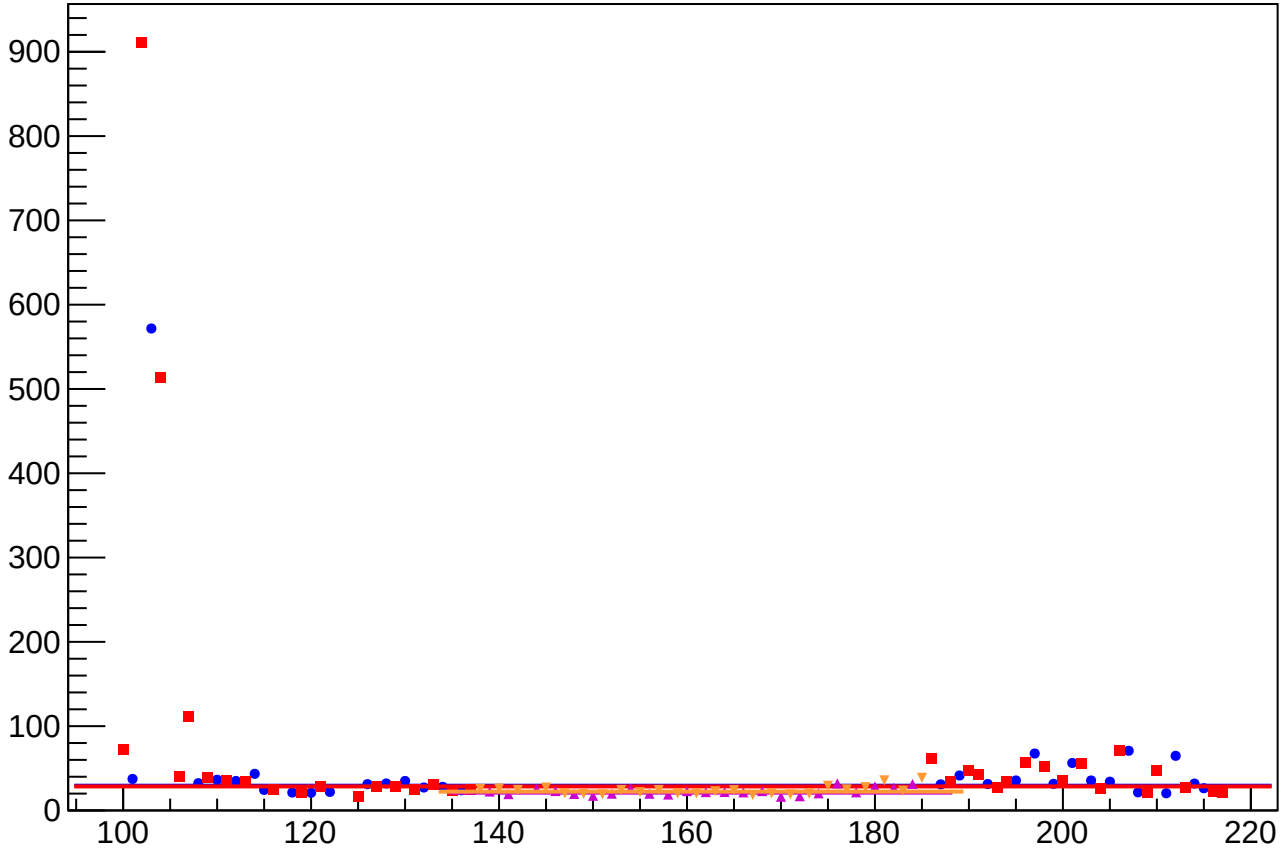
Right: 0.004+/-0.005 χ^2/NDF: 76.4/65

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.004+/-0.005 χ^2/NDF:66.0/58

All: 0.000+/-0.003 χ^2/NDF: 108.6/112

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.368+/-0.005 χ^2/NDF: 3973925.2/30

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 28.515+/-0.005 χ^2/NDF: 5333560.0/34

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

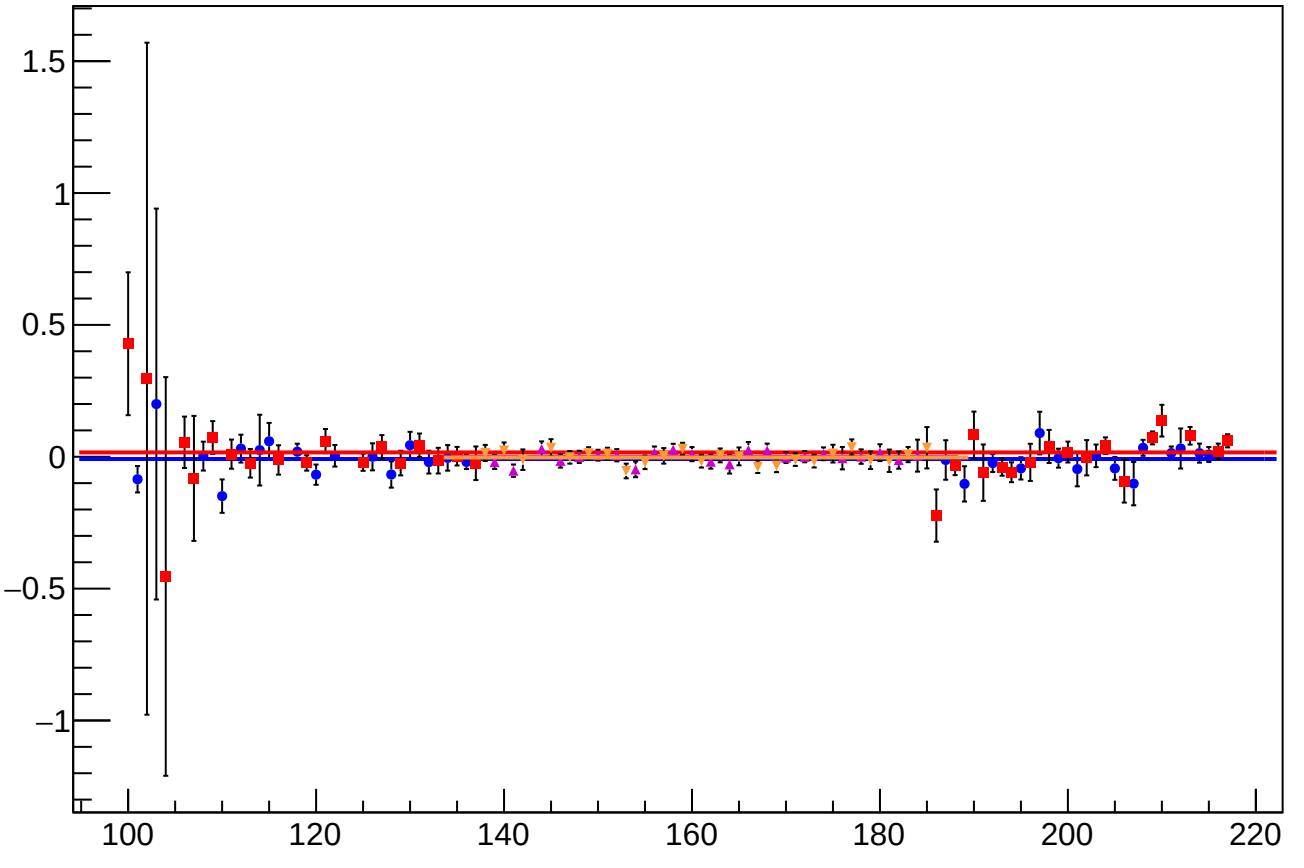
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.927+/-0.004 χ^2/NDF: 9319950.0/65

In: 23.835+/-0.003 χ^2/NDF:6307842.7/53

Out: 24.598+/-0.003 χ^2/NDF:7004664.6/58

All: 24.211+/-0.002 χ^2/NDF: 13341168.6/112



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: 0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

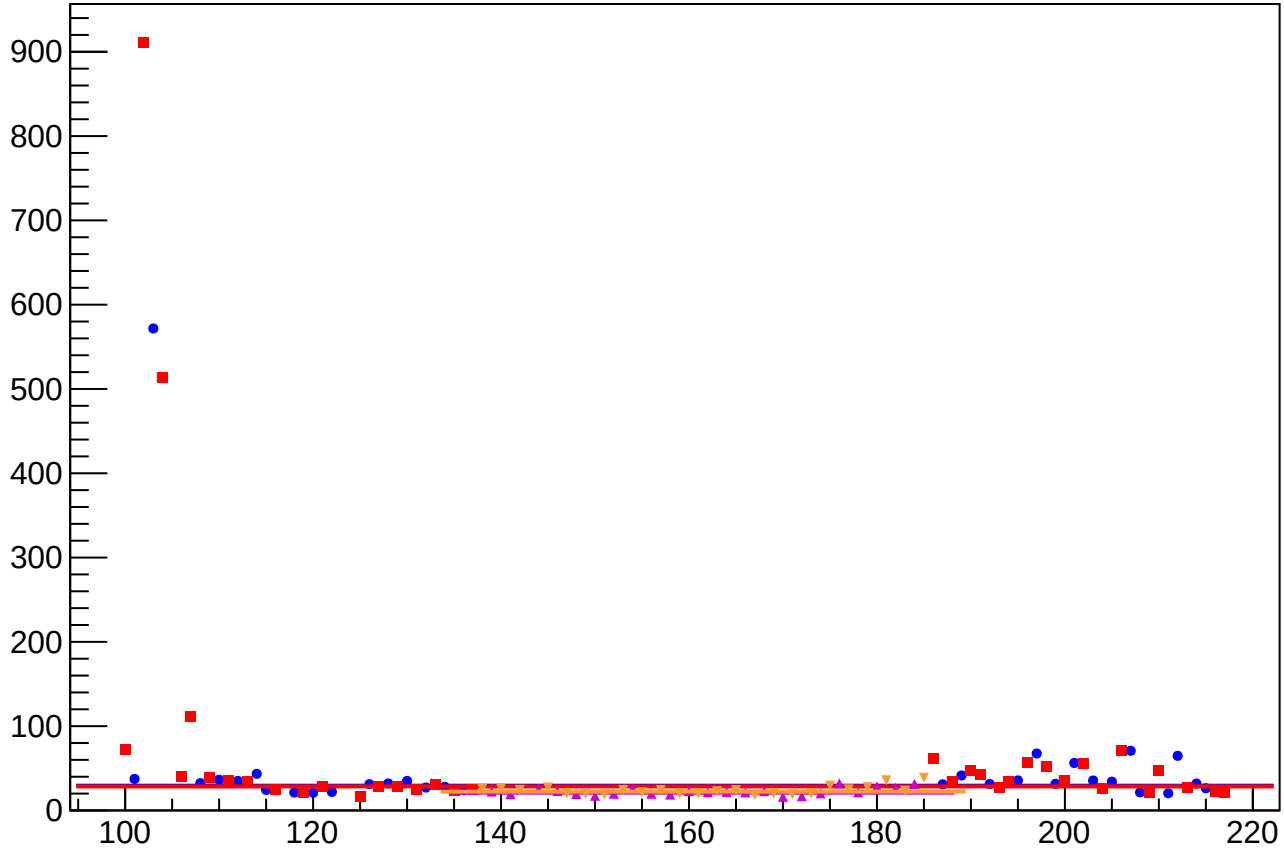
Right: 0.004+/-0.005 χ^2/NDF: 76.4/65

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.004+/-0.005 χ^2/NDF:66.0/58

All: 0.000+/-0.003 χ^2/NDF: 108.6/112

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: 28.515+/-0.005 χ^2/NDF: 5333560.0/34

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

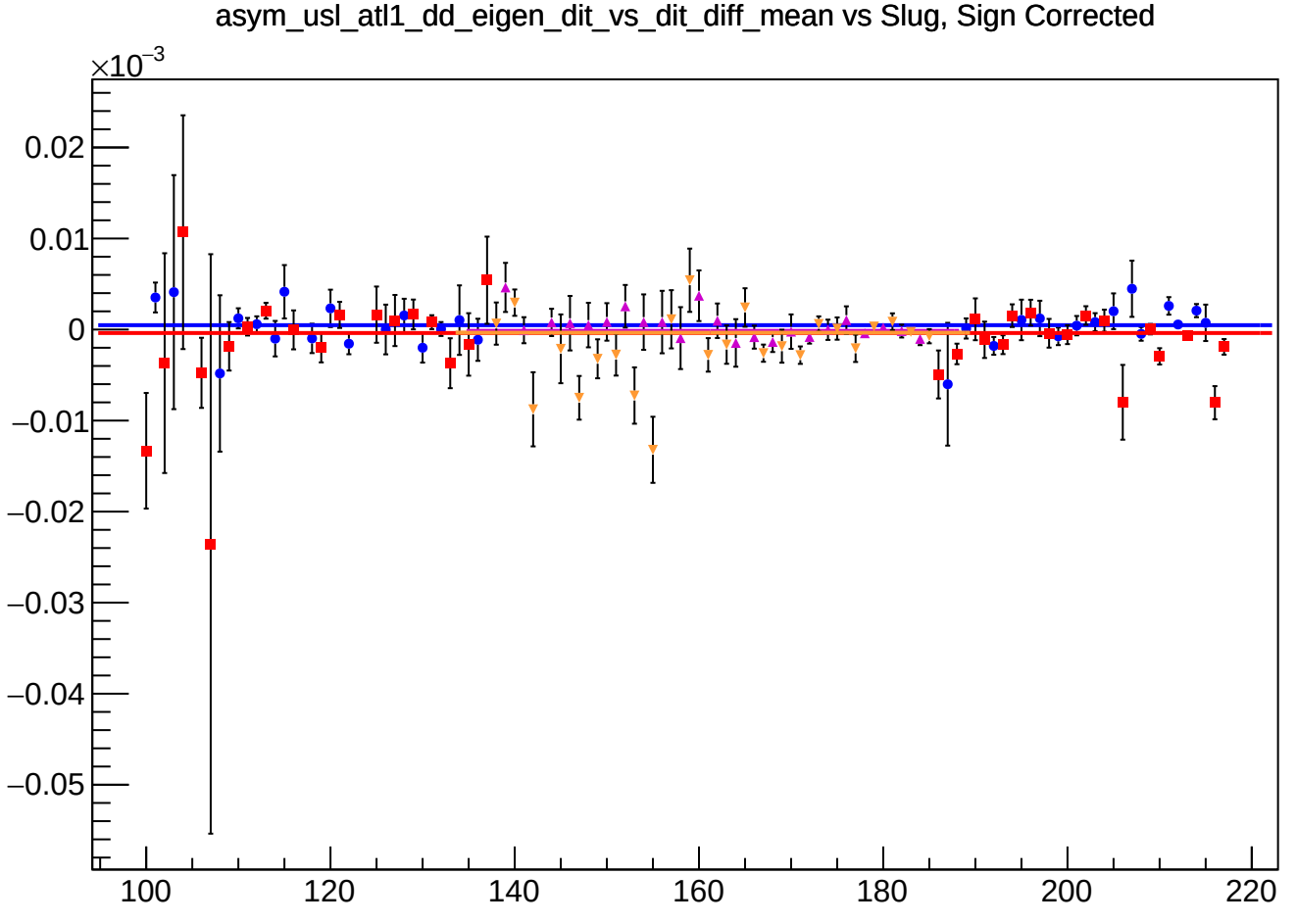
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.927+/-0.004 χ^2/NDF: 9319950.0/65

In: 23.835+/-0.003 χ^2/NDF:6307842.7/53

Out: 24.598+/-0.003 χ^2/NDF:7004664.6/58

All: 24.211+/-0.002 χ^2/NDF: 13341168.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 36.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 78.2/34

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

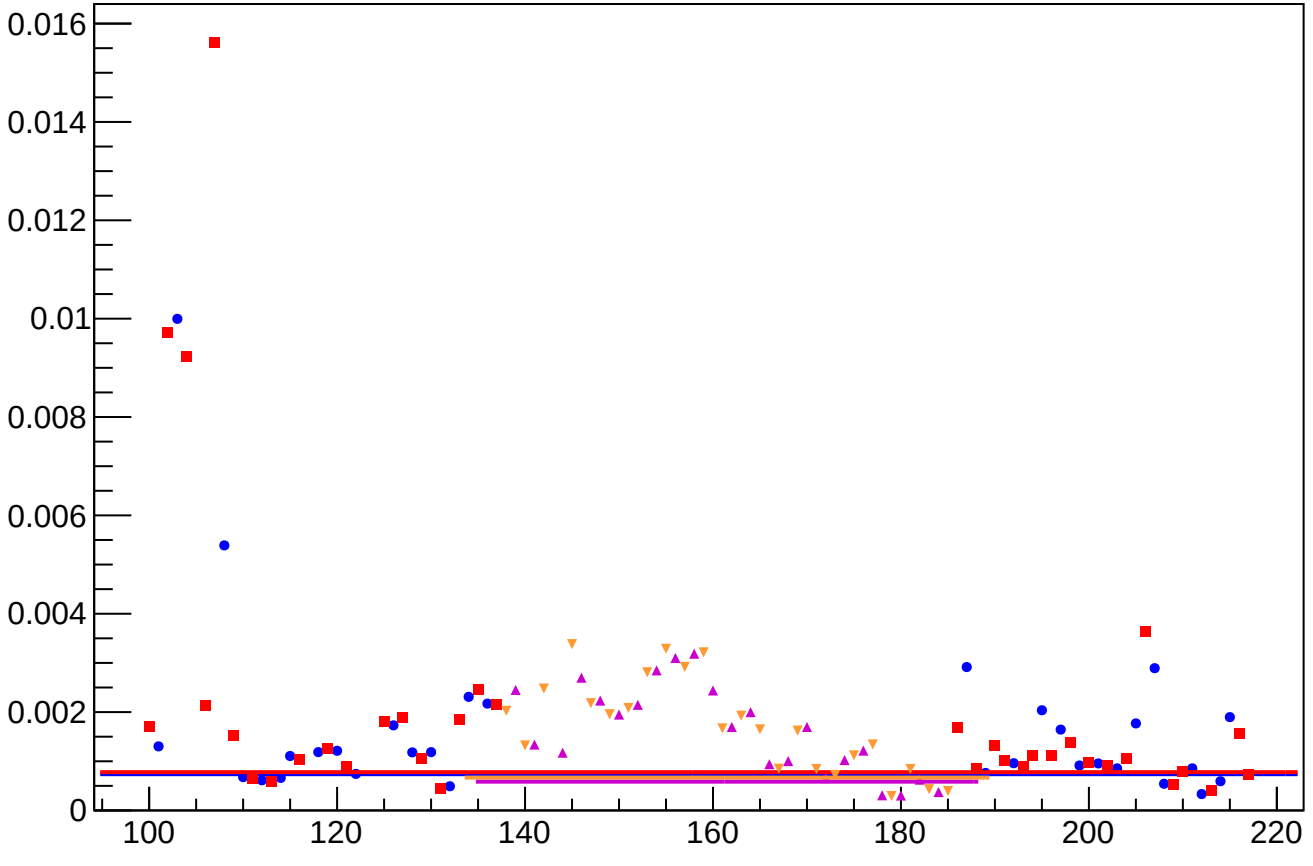
Right: 0.000+/-0.000 χ^2/NDF: 123.6/65

In: 0.000+/-0.000 χ^2/NDF:56.0/53

Out: -0.000+/-0.000 χ^2/NDF:146.3/58

All: -0.000+/-0.000 χ^2/NDF: 208.5/112

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: 9189087.7/34

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

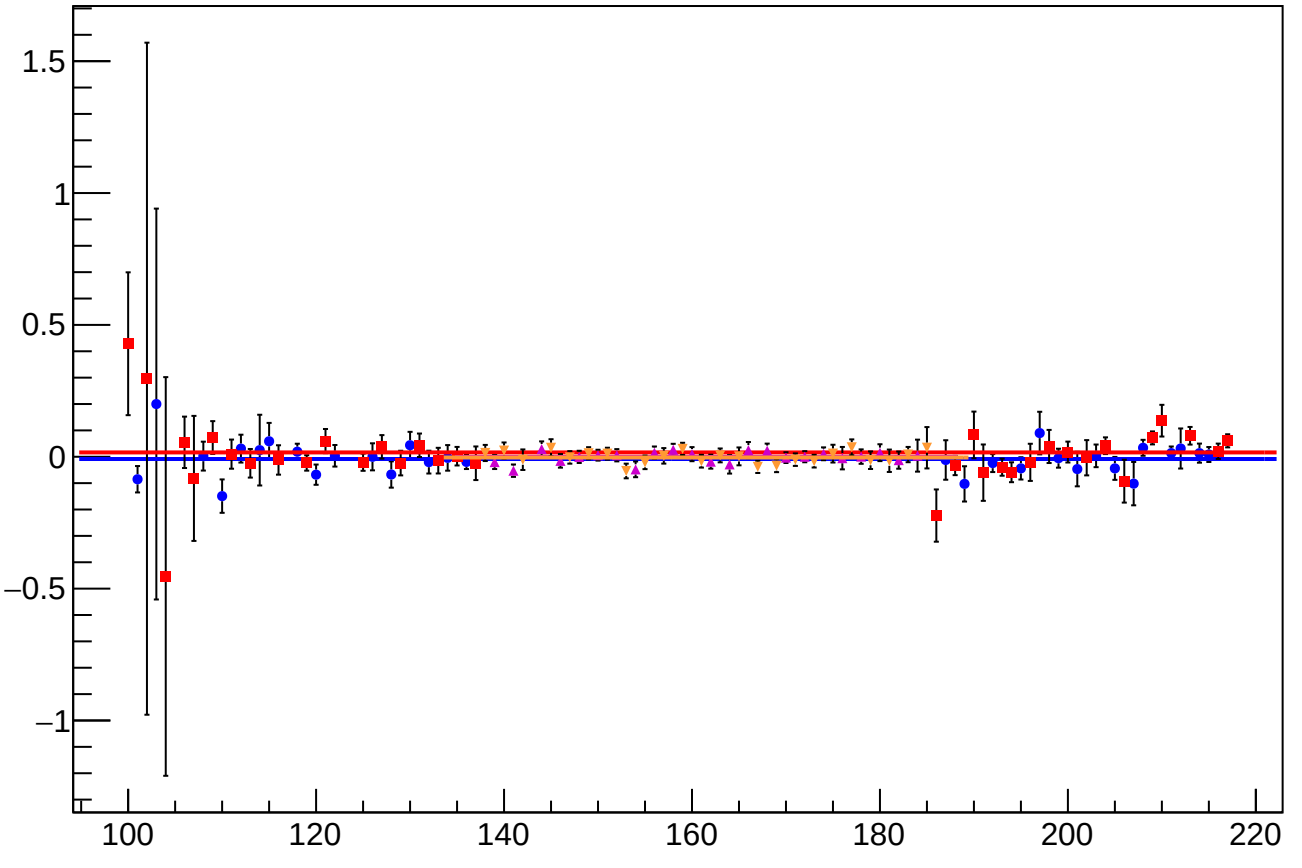
Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

Right: 0.001+/-0.000 χ^2/NDF: 19287816.3/65

In: 0.001+/-0.000 χ^2/NDF:26317405.5/53

Out: 0.001+/-0.000 χ^2/NDF:24848500.0/58

All: 0.001+/-0.000 χ^2/NDF: 51390601.6/112



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: 0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

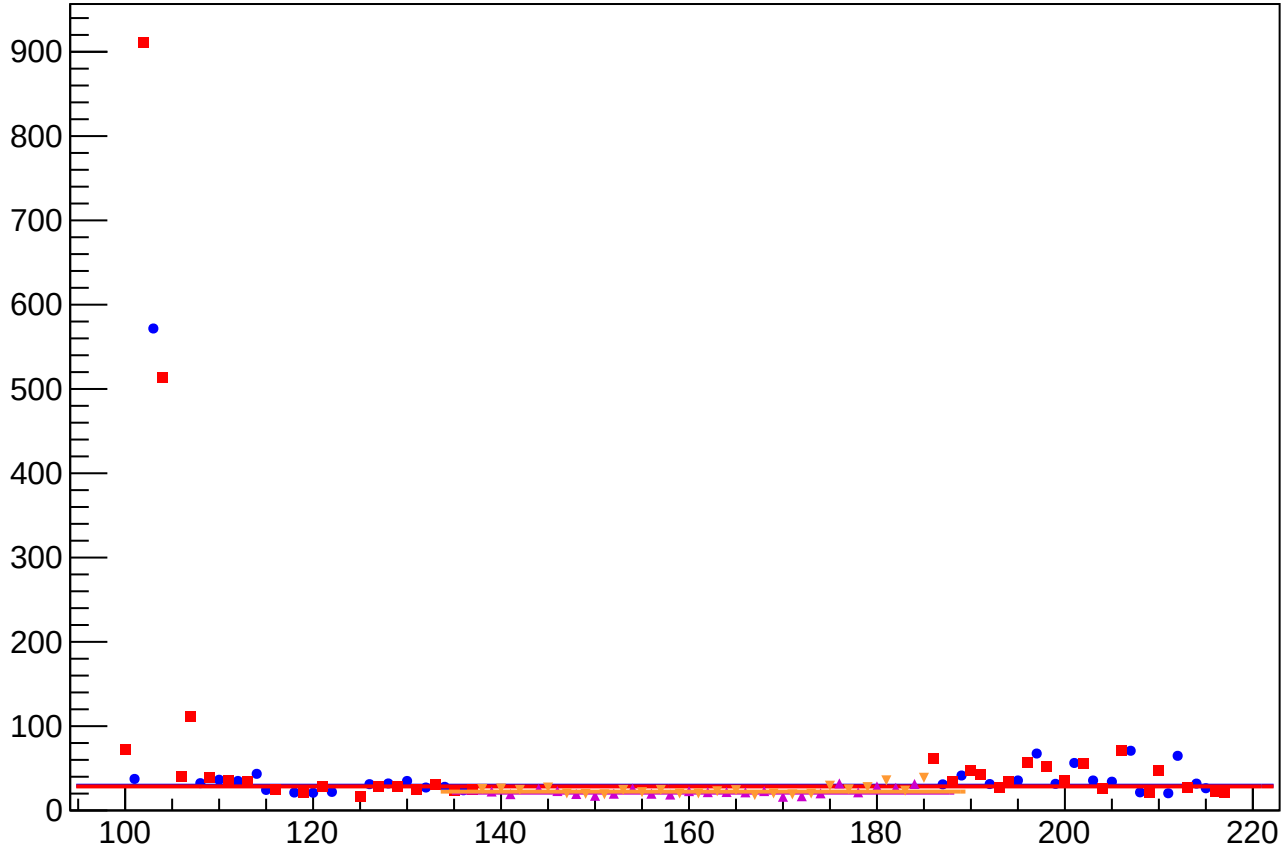
Right: 0.004+/-0.005 χ^2/NDF: 76.4/65

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.004+/-0.005 χ^2/NDF:66.0/58

All: 0.000+/-0.003 χ^2/NDF: 108.6/112

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: 28.515+/-0.005 χ^2/NDF: 5333650.6/34

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

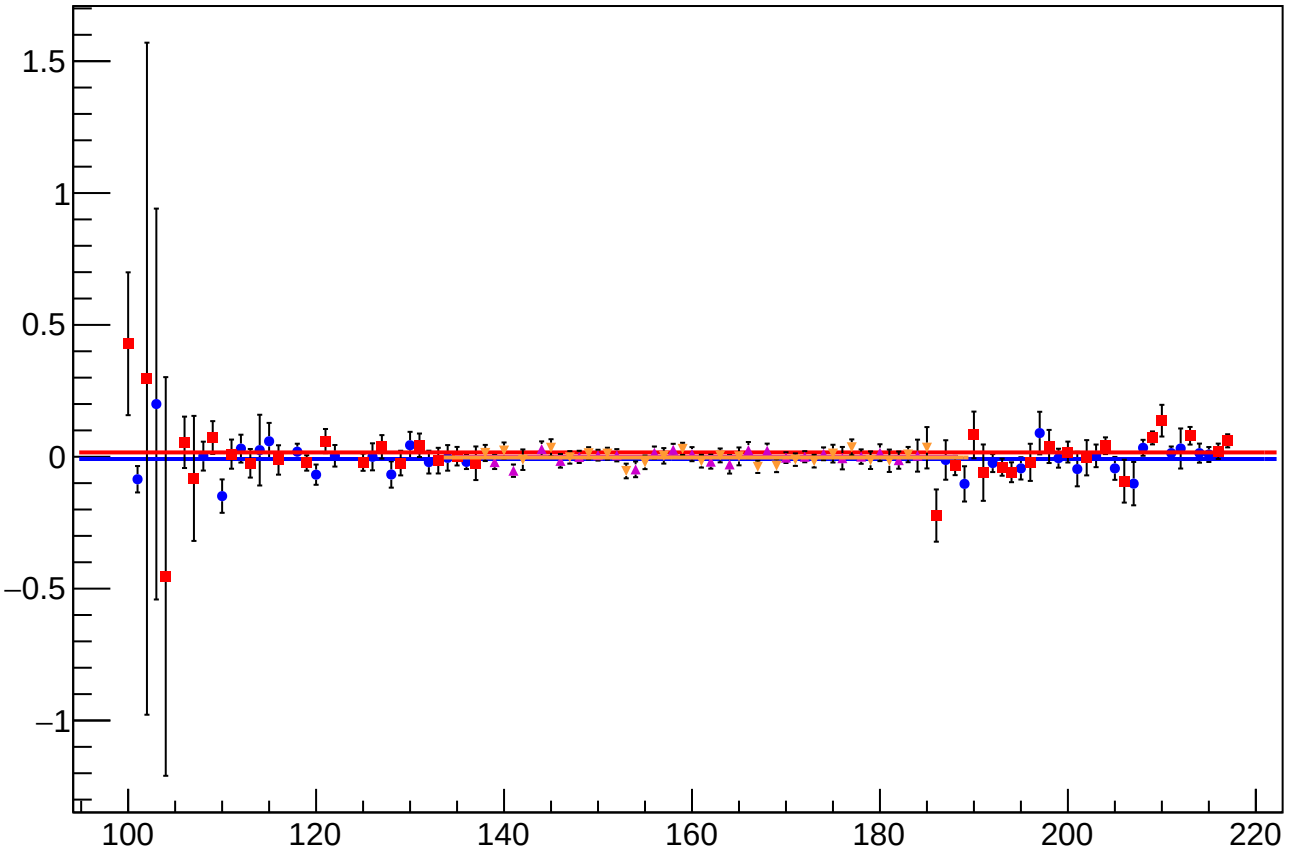
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.927+/-0.004 χ^2/NDF: 9320096.6/65

In: 23.835+/-0.003 χ^2/NDF:6307931.2/53

Out: 24.598+/-0.003 χ^2/NDF:7004732.2/58

All: 24.211+/-0.002 χ^2/NDF: 13341322.3/112



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: 0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

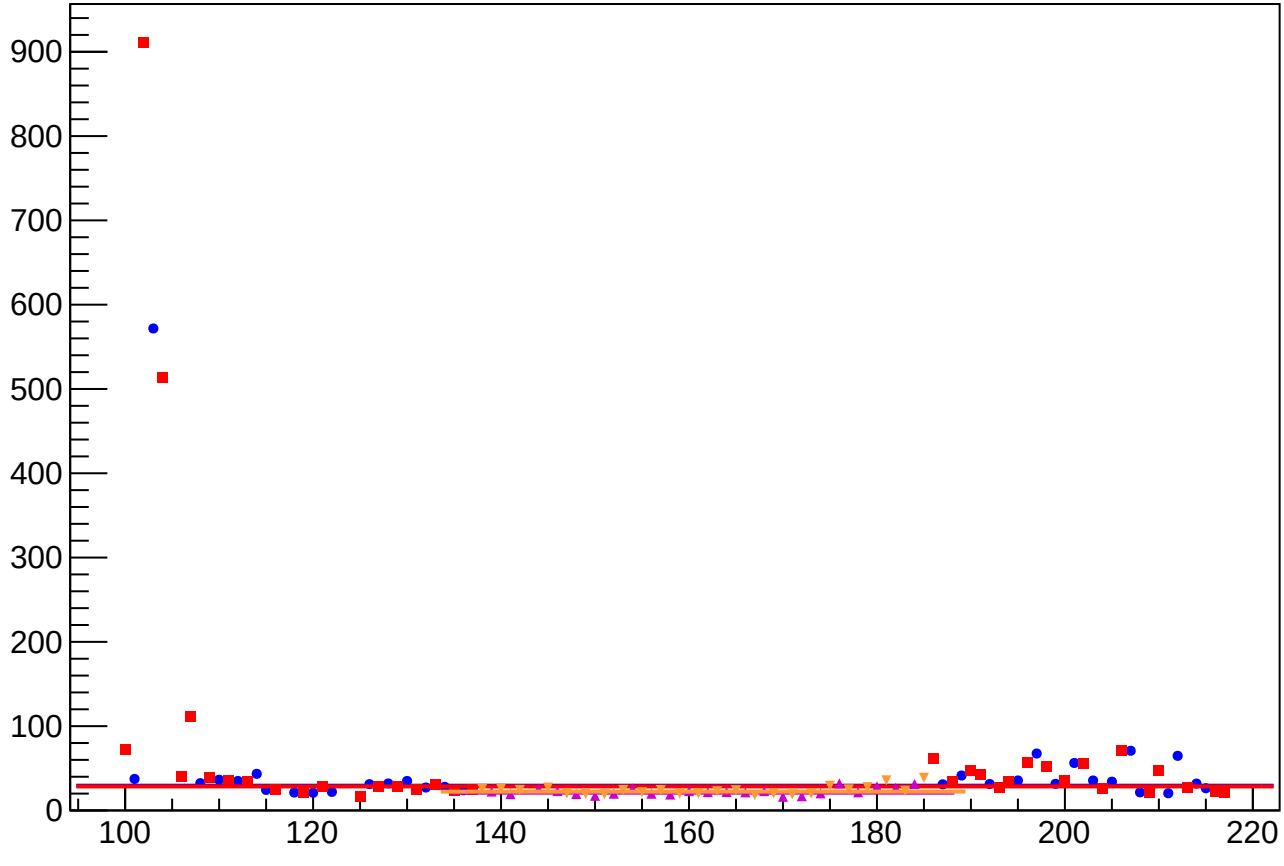
Right: 0.004+/-0.005 χ^2/NDF: 76.4/65

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.004+/-0.005 χ^2/NDF:66.0/58

All: 0.000+/-0.003 χ^2/NDF: 108.6/112

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: 28.515+/-0.005 χ^2/NDF: 5333650.6/34

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

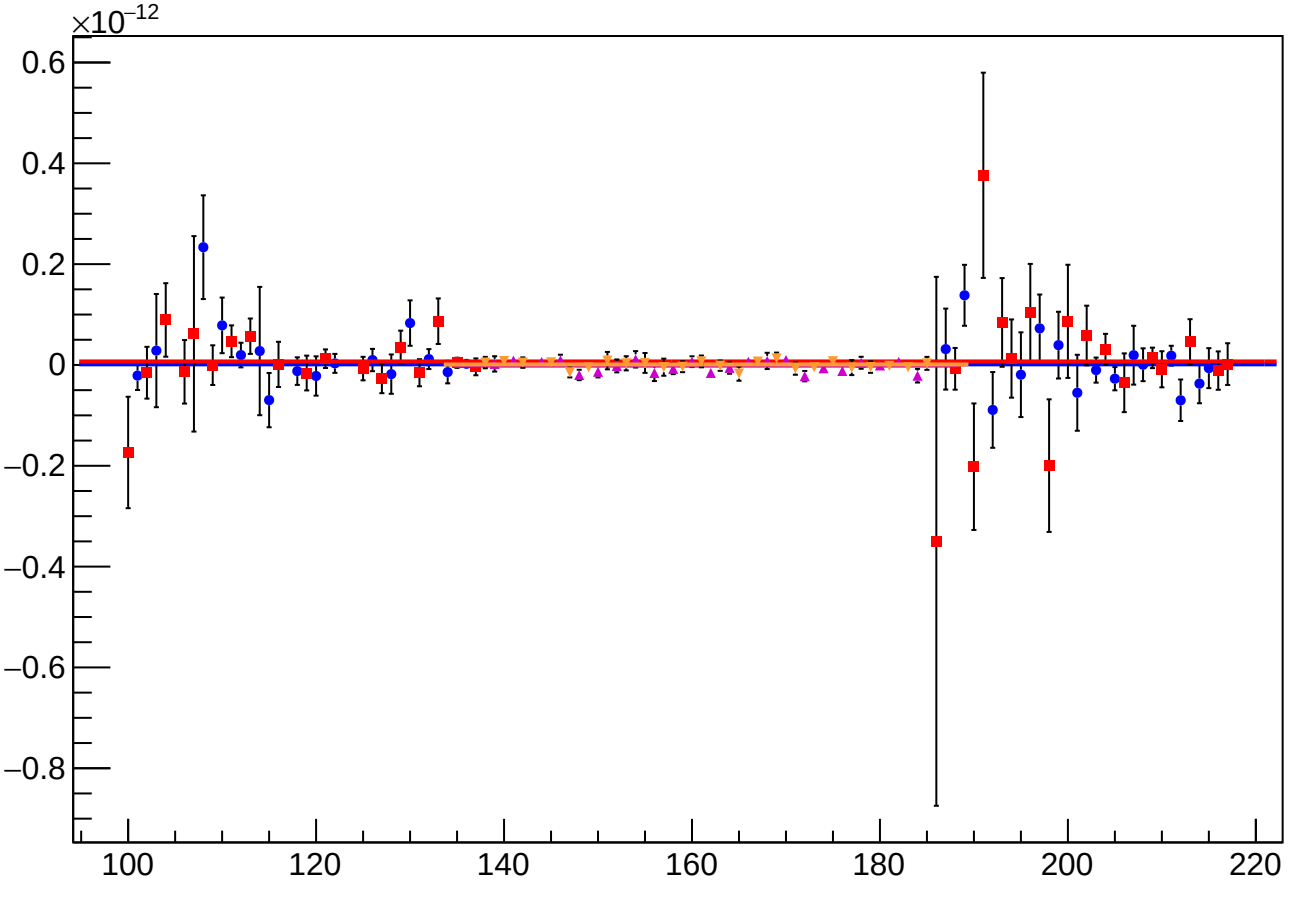
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.927+/-0.004 χ^2/NDF: 9320096.6/65

In: 23.835+/-0.003 χ^2/NDF:6307931.2/53

Out: 24.598+/-0.003 χ^2/NDF:7004732.2/58

All: 24.211+/-0.002 χ^2/NDF: 13341322.3/112



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: 29.9/34

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

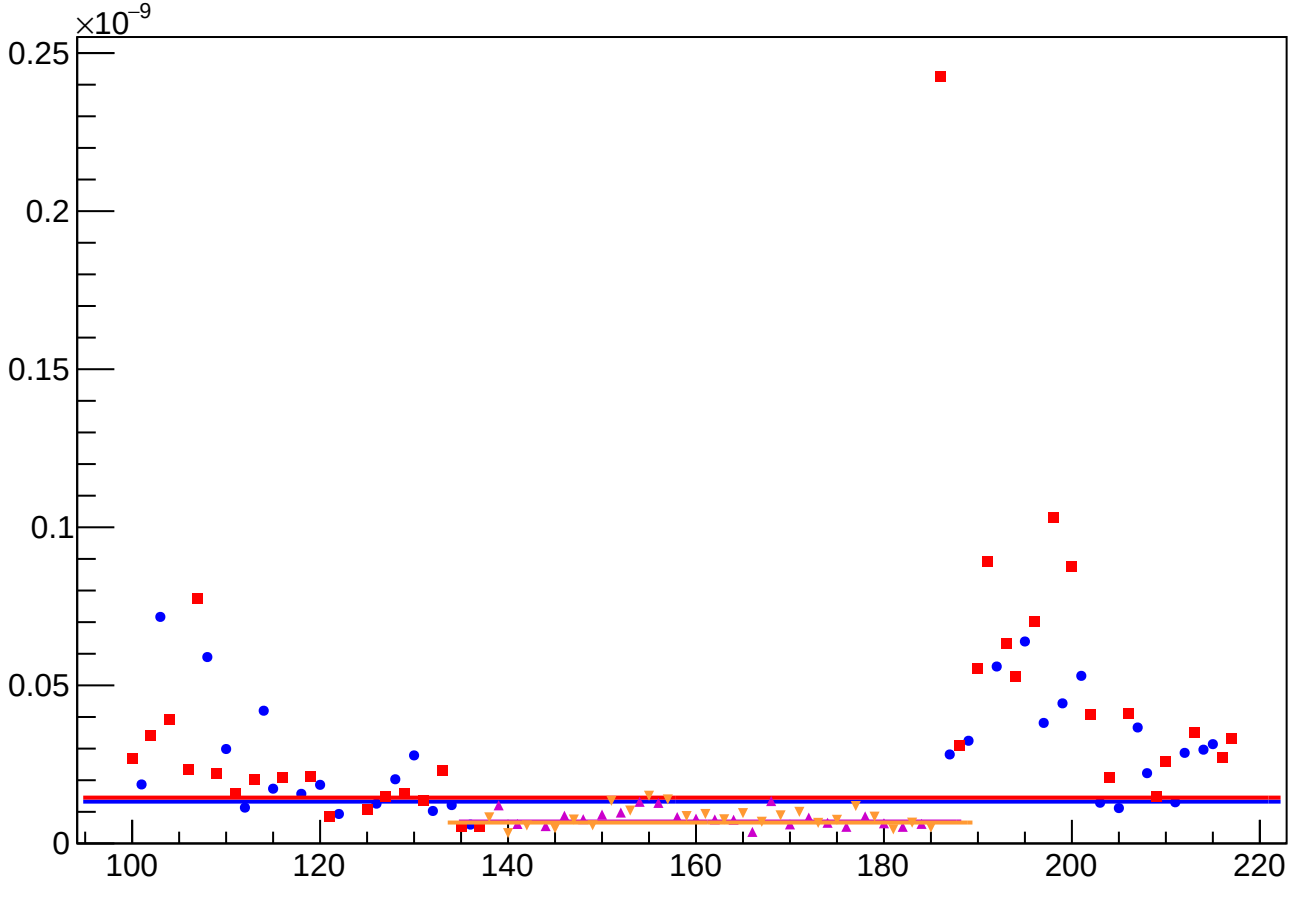
Right: 0.000+/-0.000 χ^2/NDF: 61.1/65

In: -0.000+/-0.000 χ^2/NDF:56.5/53

Out: 0.000+/-0.000 χ^2/NDF:42.6/58

All: 0.000+/-0.000 χ^2/NDF: 100.1/112

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7725936.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10459921.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

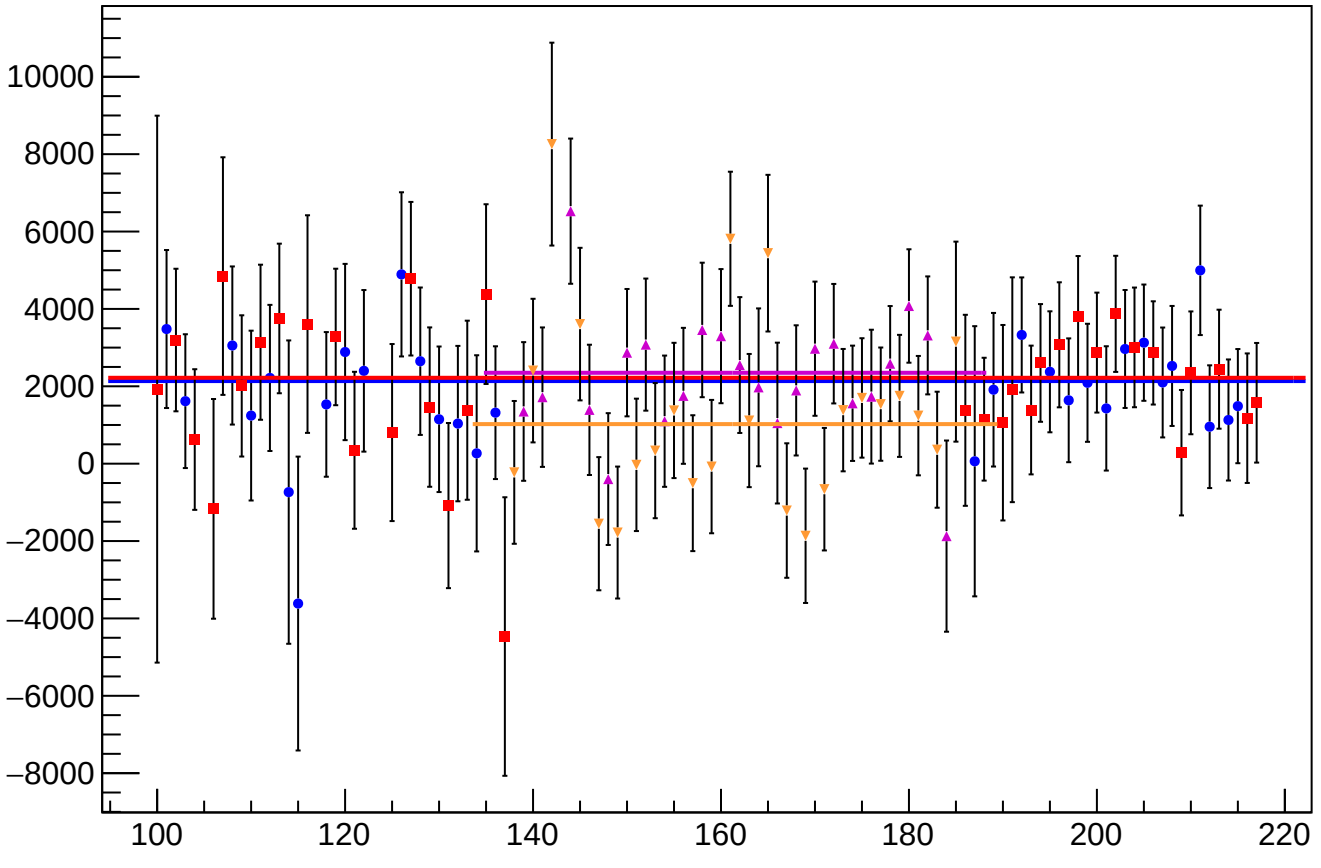
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 18246537.5/65

In: 0.000+/-0.000 χ^2/NDF:12809139.1/53

Out: 0.000+/-0.000 χ^2/NDF:17730804.5/58

All: 0.000+/-0.000 χ^2/NDF: 30563931.4/112



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: 2219.860+/-317.271 χ^2/NDF: 20.8/34

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

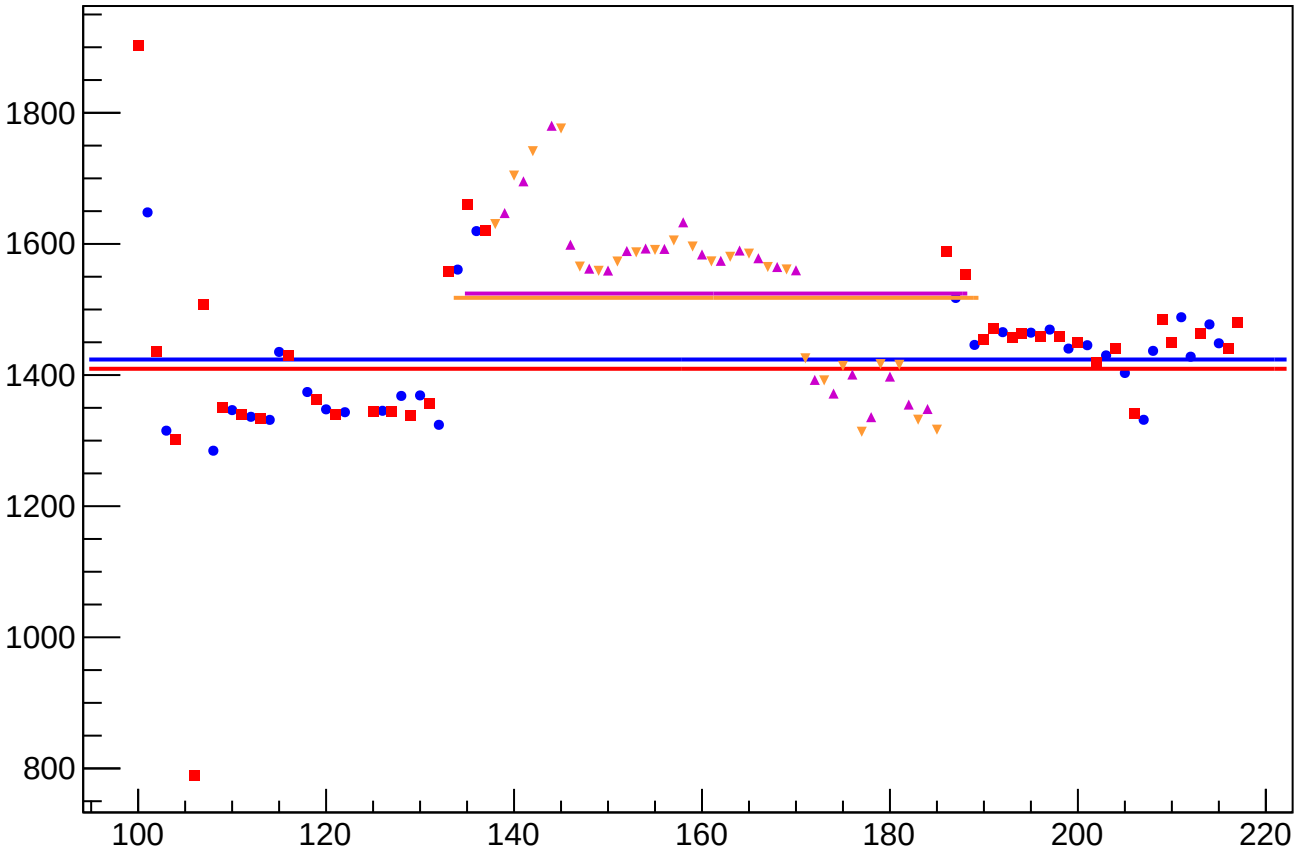
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2178.355+/-226.959 χ^2/NDF: 34.1/65

In: 2231.902+/-240.267 χ^2/NDF:29.4/53

Out: 1685.640+/-236.105 χ^2/NDF:63.6/58

All: 1953.998+/-168.404 χ^2/NDF: 95.7/112



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: 1409.565+/-0.222 χ^2/NDF: 414818.6/34

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

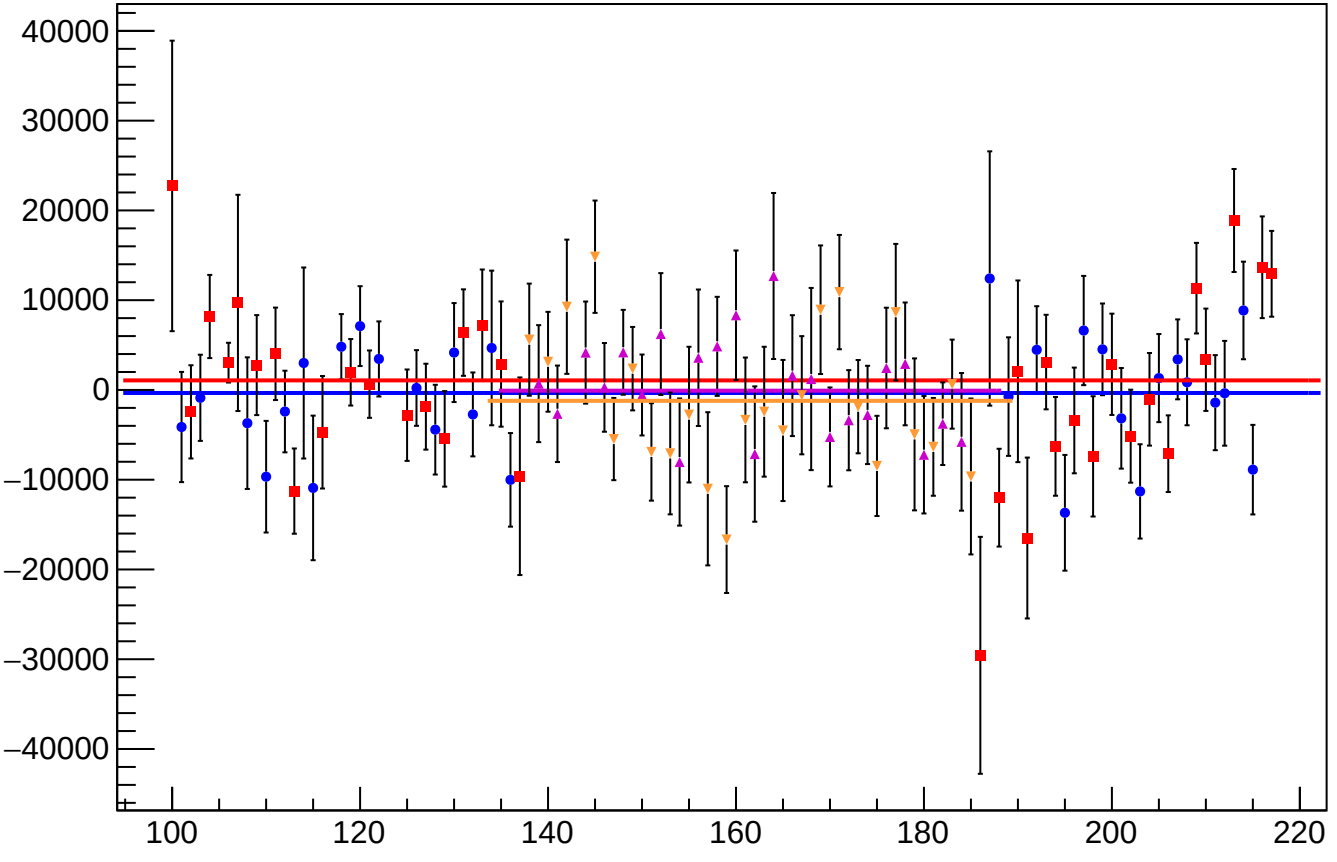
Right: 1416.399+/-0.159 χ^2/NDF: 537209.2/65

In: 1469.276+/-0.170 χ^2/NDF:431574.9/53

Out: 1457.221+/-0.166 χ^2/NDF:753782.3/58

All: 1463.103+/-0.119 χ^2/NDF: 1187935.6/11

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



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: 1064.302+/-871.812 χ^2/NDF: 69.2/34

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

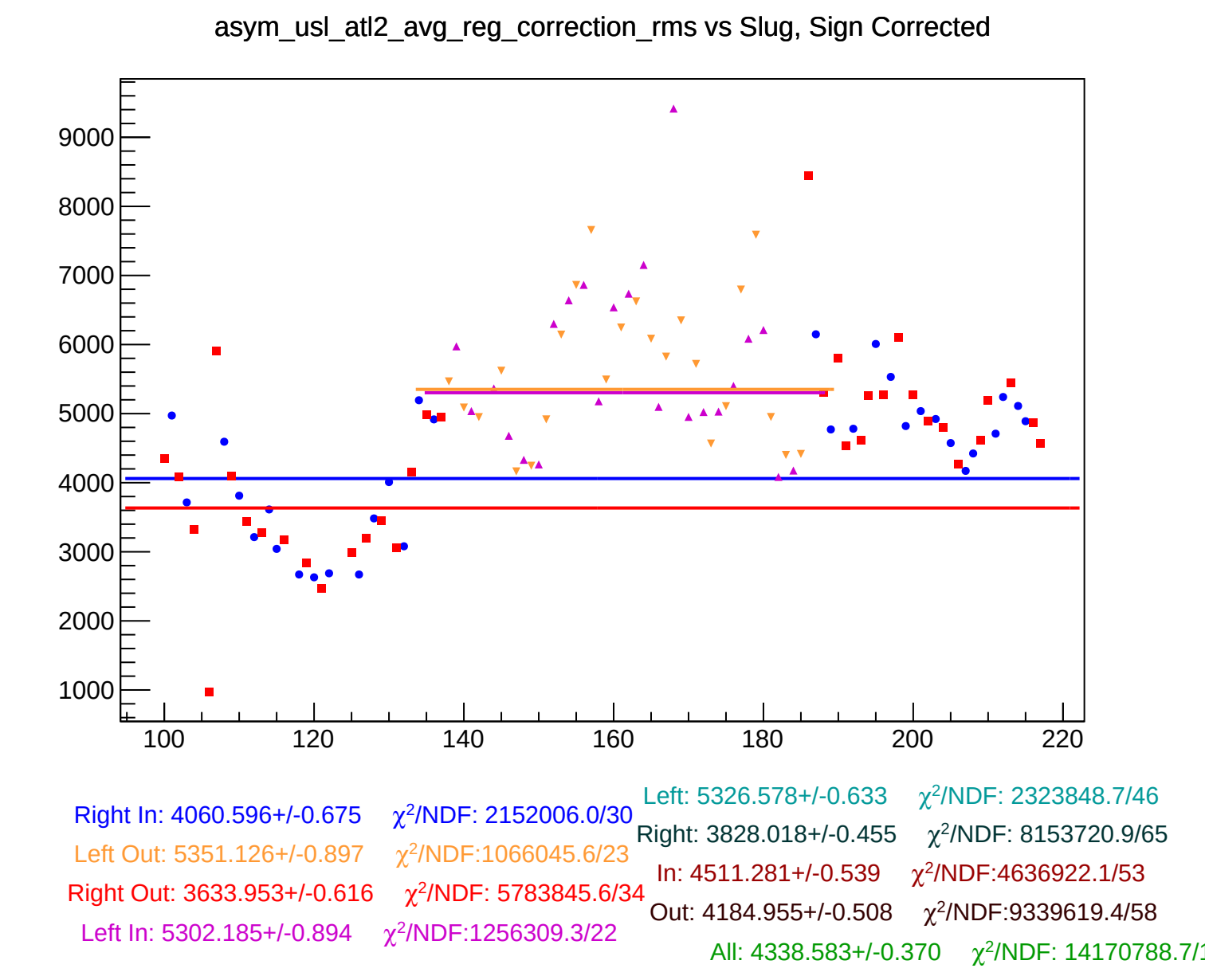
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

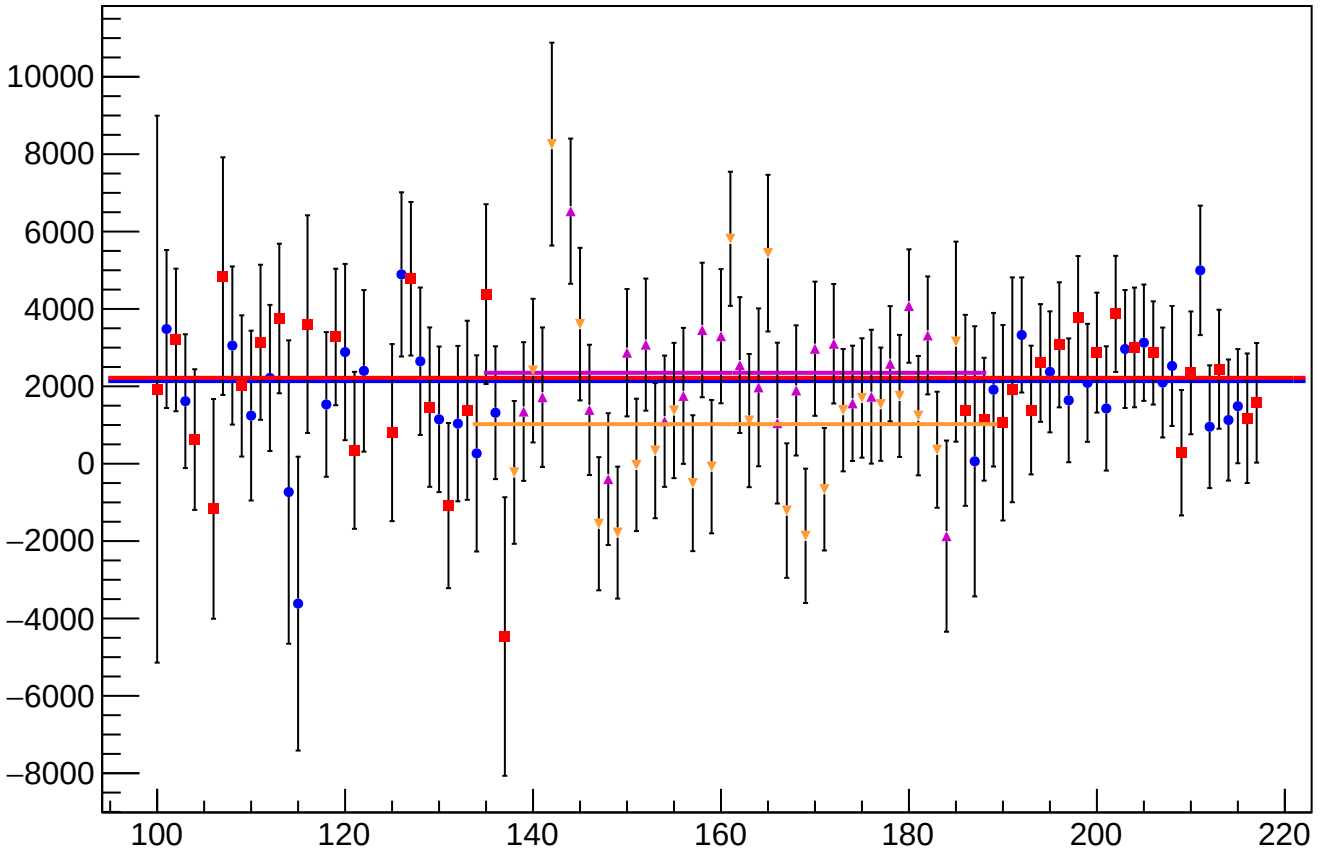
Right: 426.811+/-643.688 χ^2/NDF: 105.9/65

In: -244.118+/-761.740 χ^2/NDF:48.8/53

Out: 333.922+/-718.451 χ^2/NDF:104.6/58

All: 61.793+/-522.656 χ^2/NDF: 153.7/112


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 4060.596+/-0.675 χ²/NDF: 2152006.0/30
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3633.953+/-0.616 χ²/NDF: 5783845.6/34
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3828.018+/-0.455 χ²/NDF: 8153720.9/65
In: 4511.281+/-0.539 χ²/NDF:4636922.1/53
Out: 4184.955+/-0.508 χ²/NDF:9339619.4/58
All: 4338.583+/-0.370 χ²/NDF: 14170788.7/1



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: 2219.914+/-317.272 χ^2/NDF: 20.8/34

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

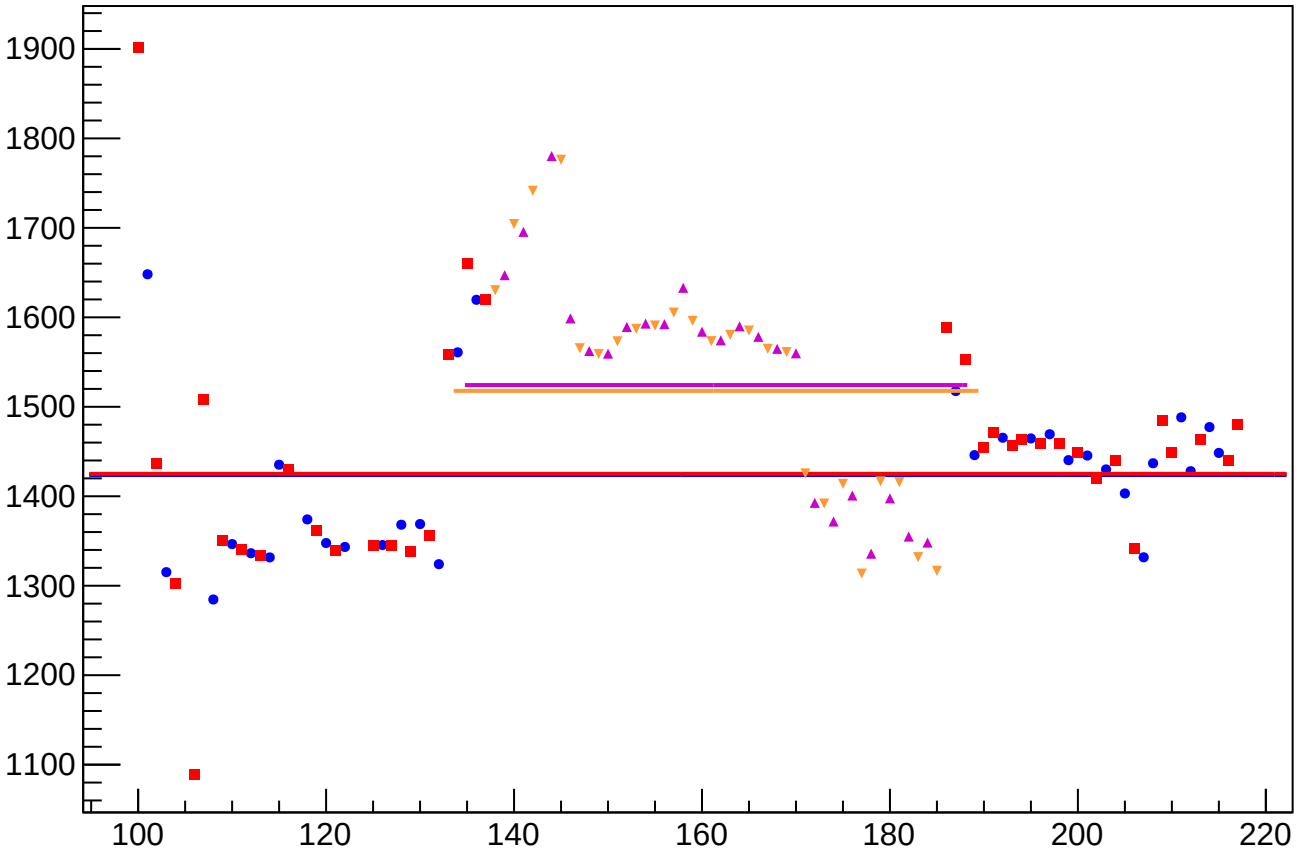
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2178.367+/-226.959 χ^2/NDF: 34.1/65

In: 2231.883+/-240.267 χ^2/NDF:29.4/53

Out: 1685.682+/-236.106 χ^2/NDF:63.6/58

All: 1954.011+/-168.404 χ^2/NDF: 95.7/112



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: 1425.069+/-0.223 χ^2/NDF: 174189.3/34

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

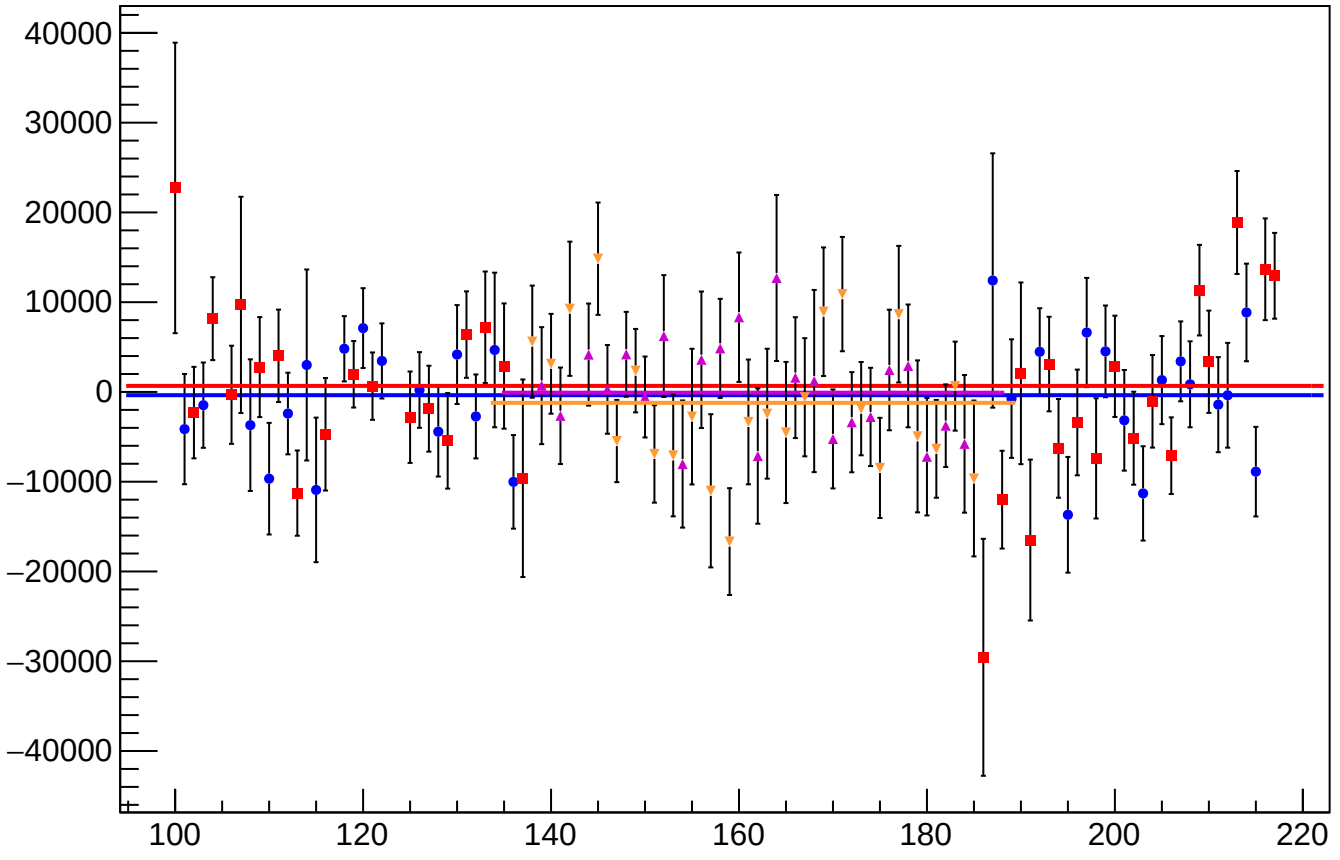
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1424.422+/-0.160 χ^2/NDF: 294625.9/65

In: 1469.276+/-0.170 χ^2/NDF:431575.0/53

Out: 1466.223+/-0.166 χ^2/NDF:484748.5/58

All: 1467.718+/-0.119 χ^2/NDF: 916488.3/112



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: 674.212+/-933.761 χ^2/NDF: 68.3/34

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

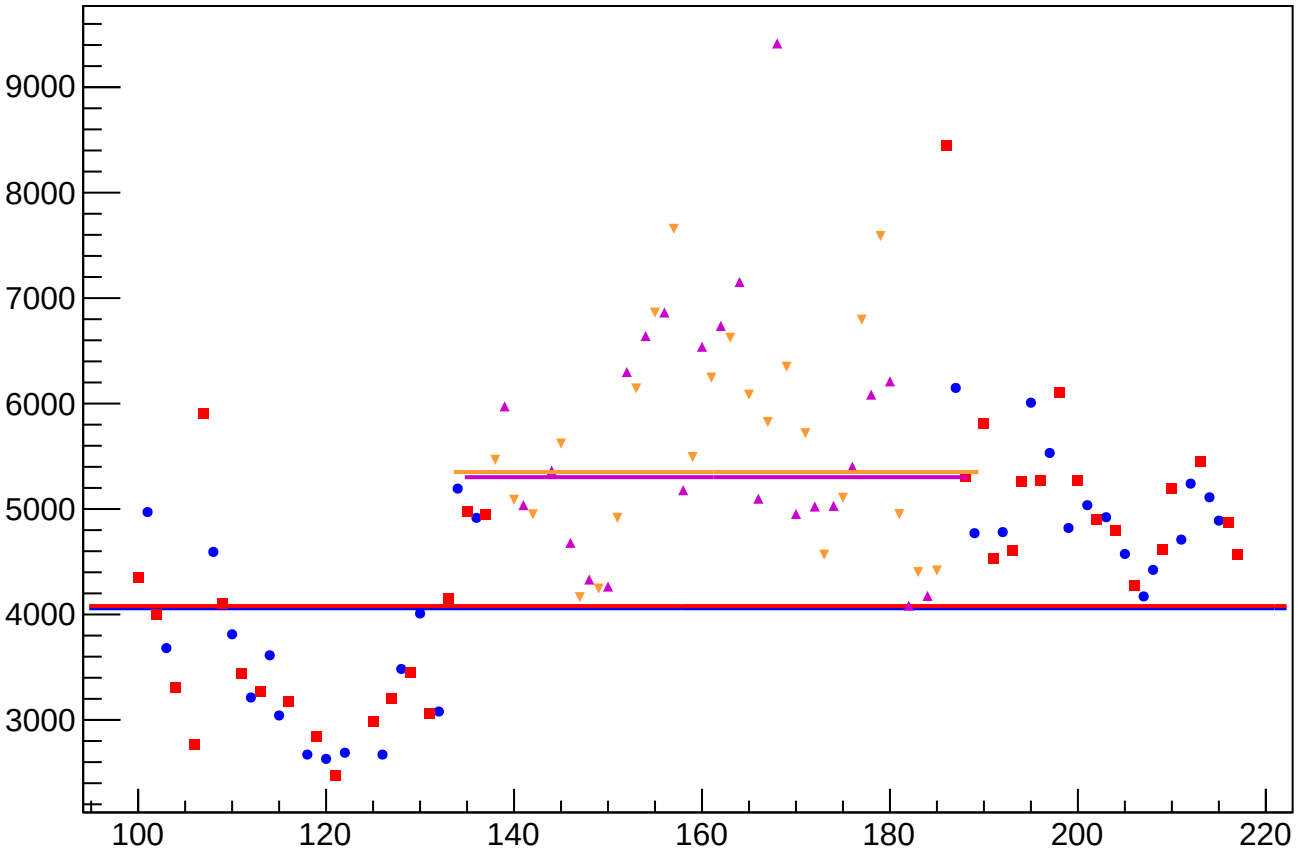
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: 167.239+/-667.314 χ^2/NDF: 104.5/65

In: -259.917+/-761.539 χ^2/NDF:48.8/53

Out: 11.247+/-751.953 χ^2/NDF:103.0/58

All: -122.617+/-535.068 χ^2/NDF: 151.8/112



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: 4080.000+/-0.660 χ^2/NDF: 2476505.6/34

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

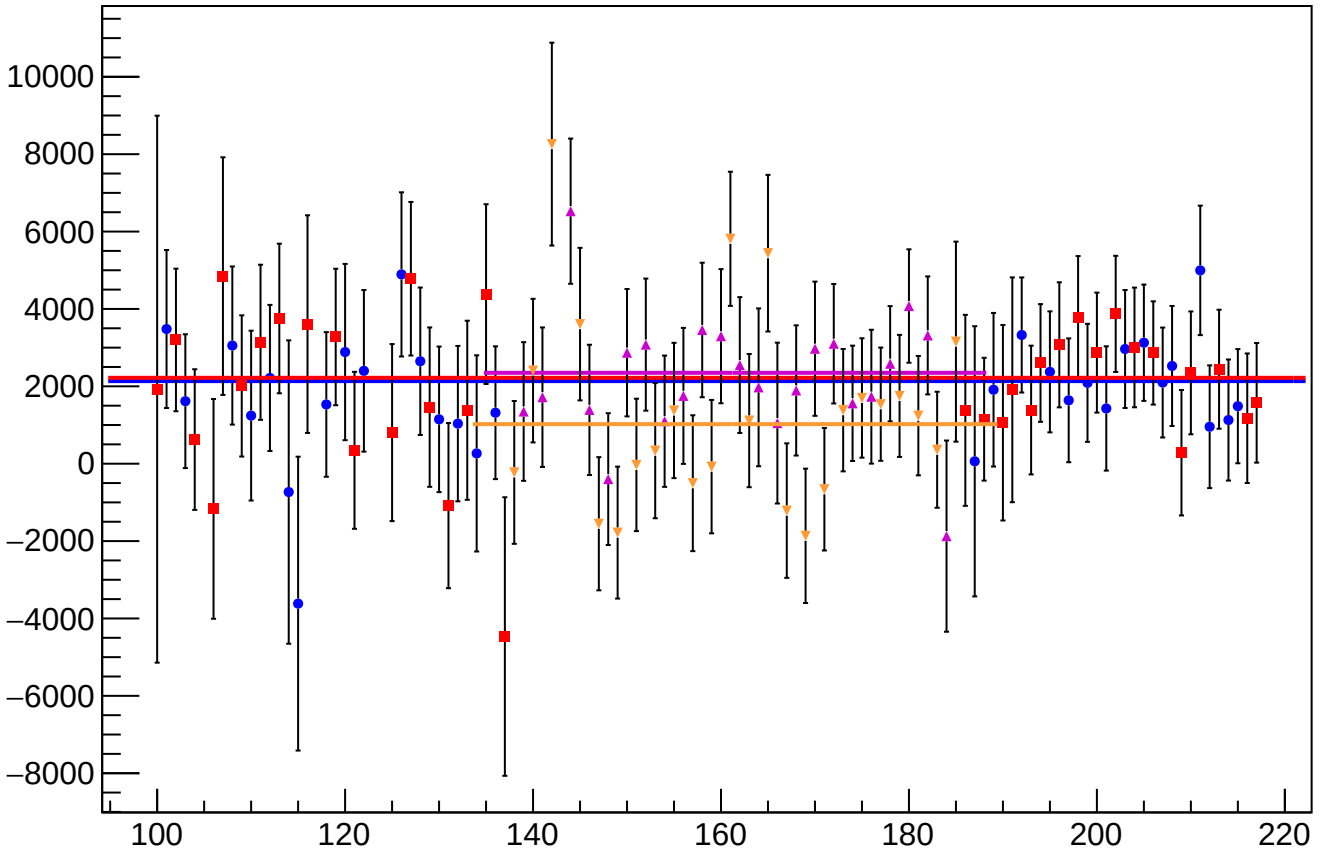
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4069.698+/-0.472 χ^2/NDF: 4631285.2/65

In: 4509.989+/-0.538 χ^2/NDF:4642840.7/53

Out: 4526.803+/-0.532 χ^2/NDF:4845308.5/58

All: 4518.502+/-0.378 χ^2/NDF: 9488642.9/11



Right In: 2134.825+/-324.799 χ^2/NDF: 13.3/30

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2219.914+/-317.272 χ^2/NDF: 20.8/34

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

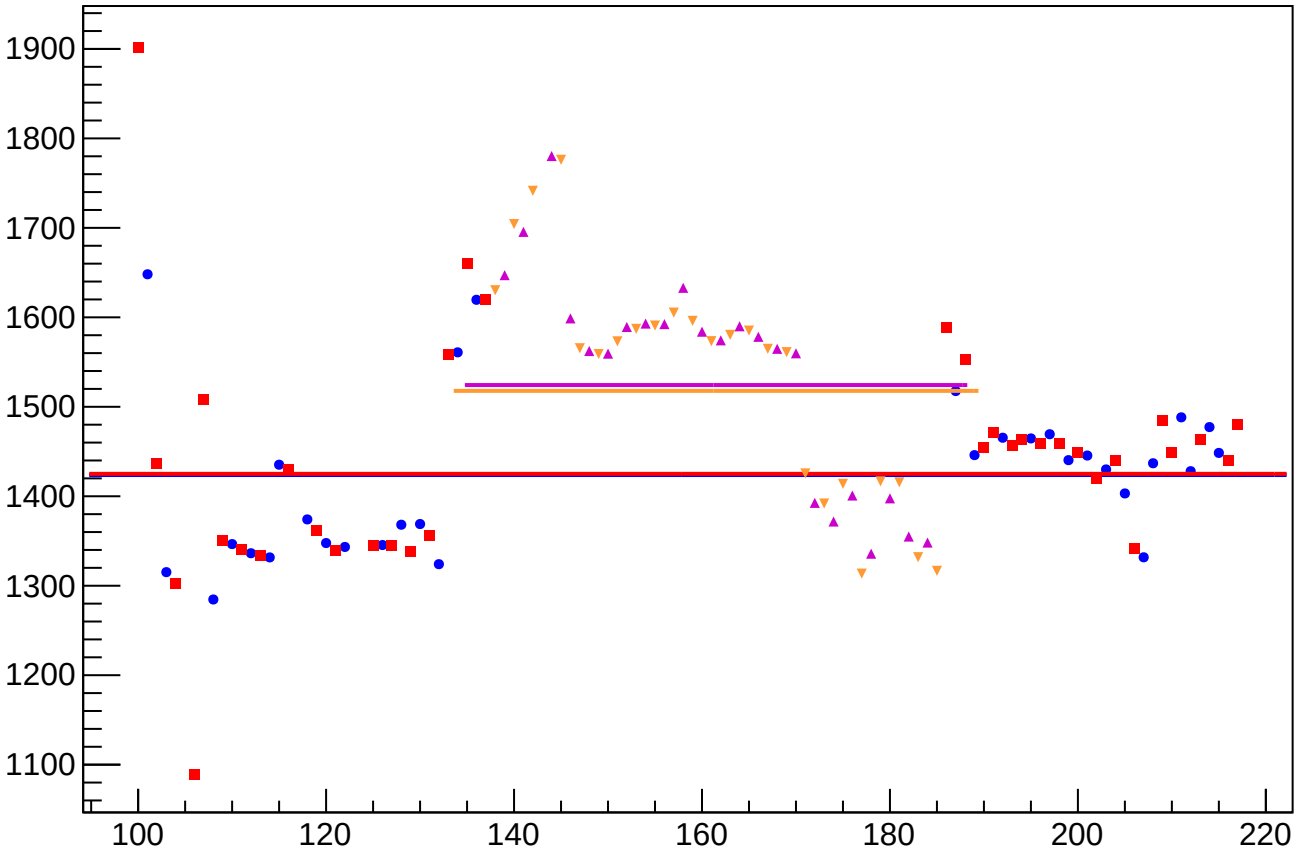
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2178.367+/-226.959 χ^2/NDF: 34.1/65

In: 2231.883+/-240.267 χ^2/NDF:29.4/53

Out: 1685.682+/-236.106 χ^2/NDF:63.6/58

All: 1954.011+/-168.404 χ^2/NDF: 95.7/112



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: 1425.069+/-0.223 χ^2/NDF: 174189.3/34

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

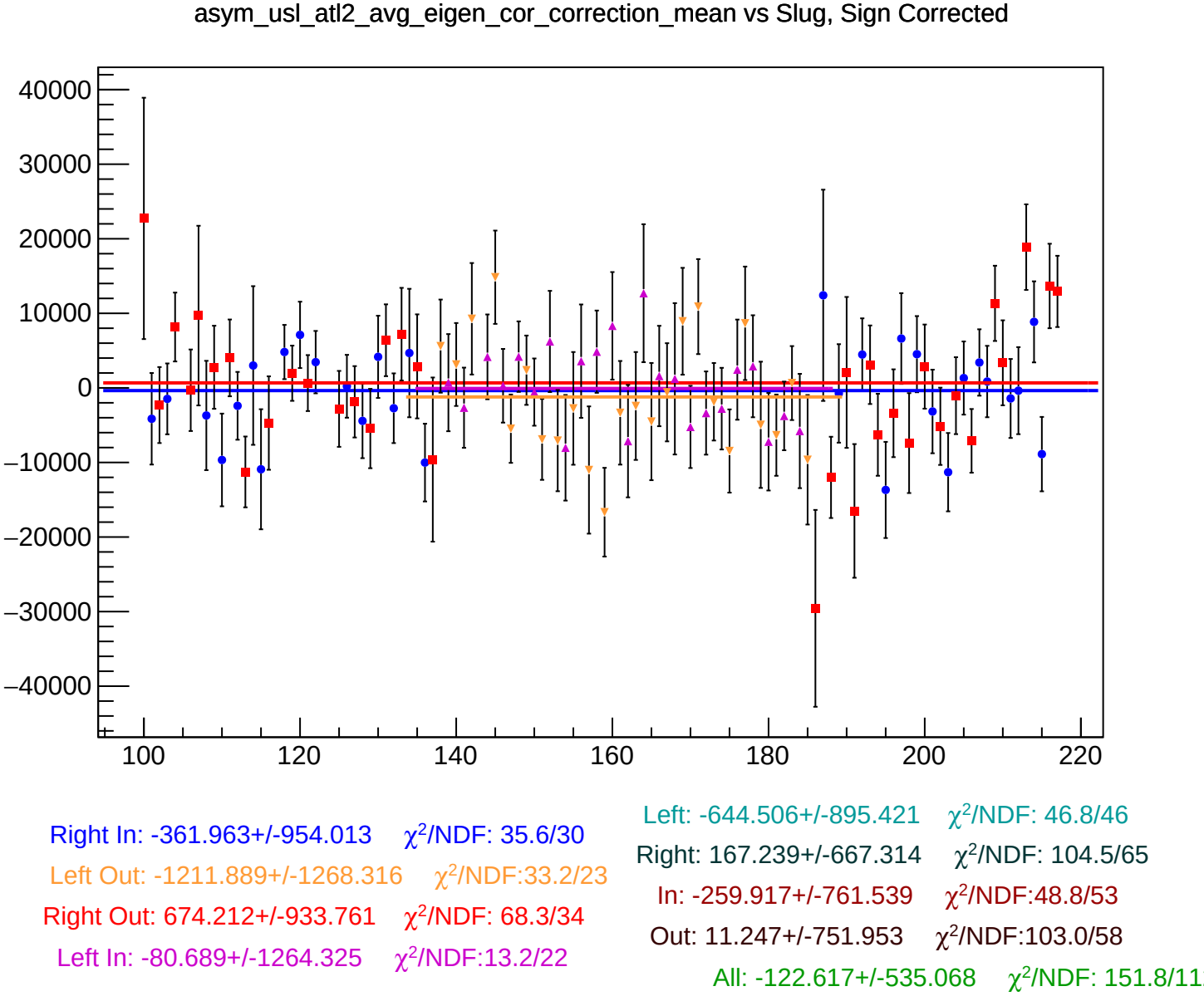
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

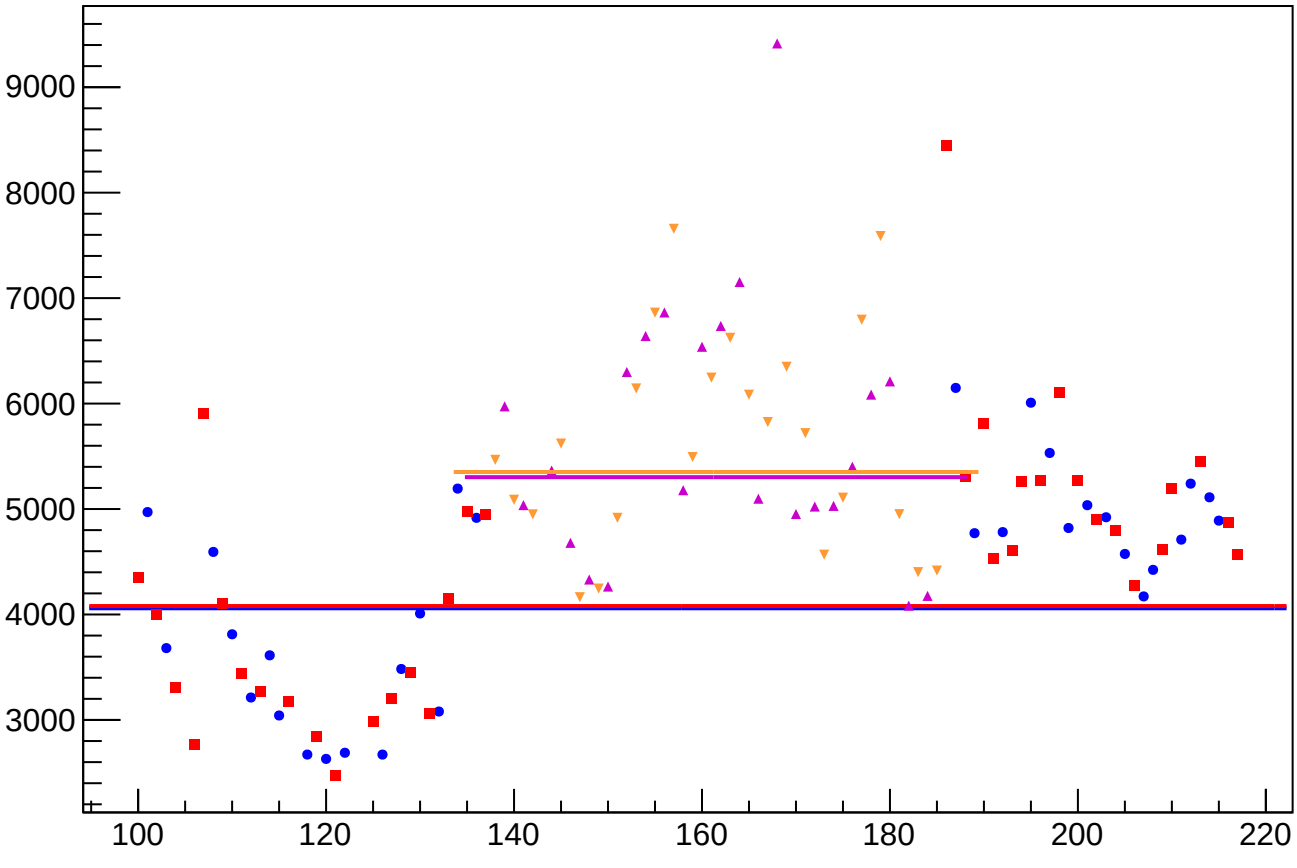
Right: 1424.422+/-0.160 χ^2/NDF: 294625.9/65

In: 1469.276+/-0.170 χ^2/NDF:431575.0/53

Out: 1466.223+/-0.166 χ^2/NDF:484748.5/58

All: 1467.718+/-0.119 χ^2/NDF: 916488.3/112


asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -361.963+/-954.013 χ²/NDF: 35.6/30
Left Out: -1211.889+/-1268.316 χ²/NDF:33.2/23
Right Out: 674.212+/-933.761 χ²/NDF: 68.3/34
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: 167.239+/-667.314 χ²/NDF: 104.5/65
In: -259.917+/-761.539 χ²/NDF:48.8/53
Out: 11.247+/-751.953 χ²/NDF:103.0/58
All: -122.617+/-535.068 χ²/NDF: 151.8/112



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: 4080.000+/-0.660 χ^2/NDF: 2476505.6/34

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

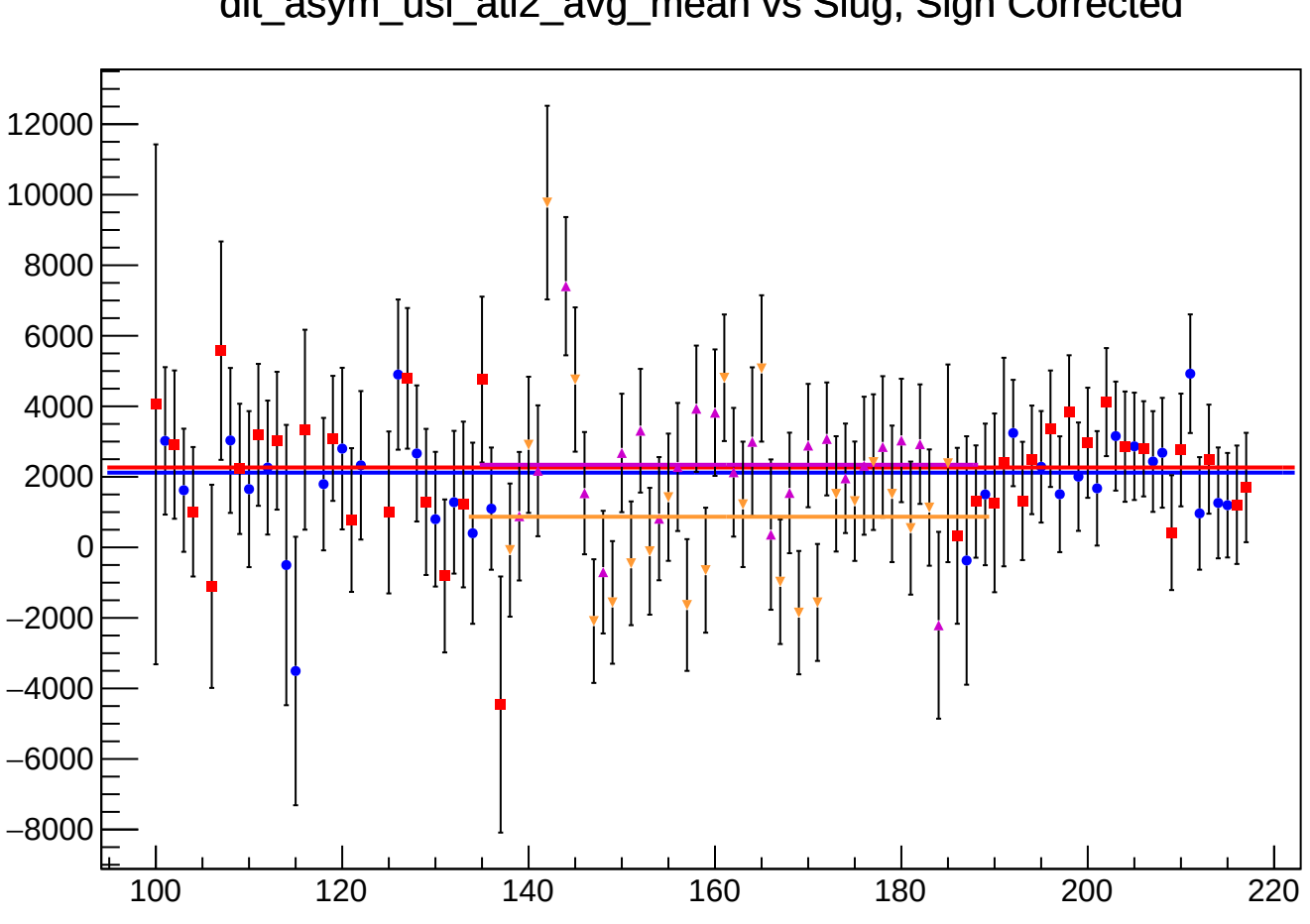
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4069.698+/-0.472 χ^2/NDF: 4631285.2/65

In: 4509.989+/-0.538 χ^2/NDF:4642840.7/53

Out: 4526.803+/-0.532 χ^2/NDF:4845308.5/58

All: 4518.502+/-0.378 χ^2/NDF: 9488642.9/11



Right In: 2118.989+/-327.910 χ^2/NDF: 12.7/30

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2265.948+/-321.269 χ^2/NDF: 20.1/34

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

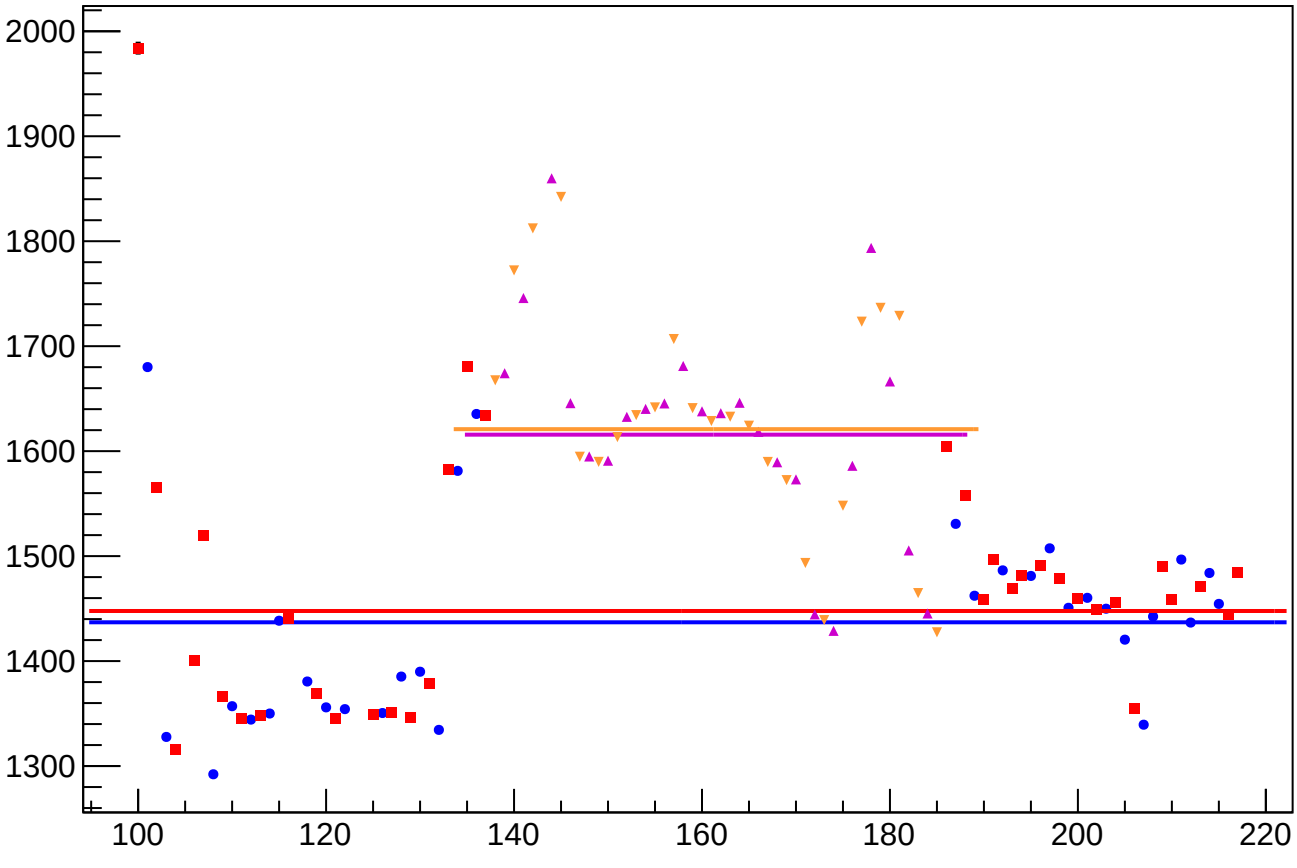
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2193.972+/-229.483 χ^2/NDF: 32.9/65

In: 2214.847+/-247.729 χ^2/NDF:31.0/53

Out: 1678.341+/-244.574 χ^2/NDF:67.8/58

All: 1943.155+/-174.045 χ^2/NDF: 101.1/112



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: 1447.720+/-0.227 χ^2/NDF: 133059.6/34

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

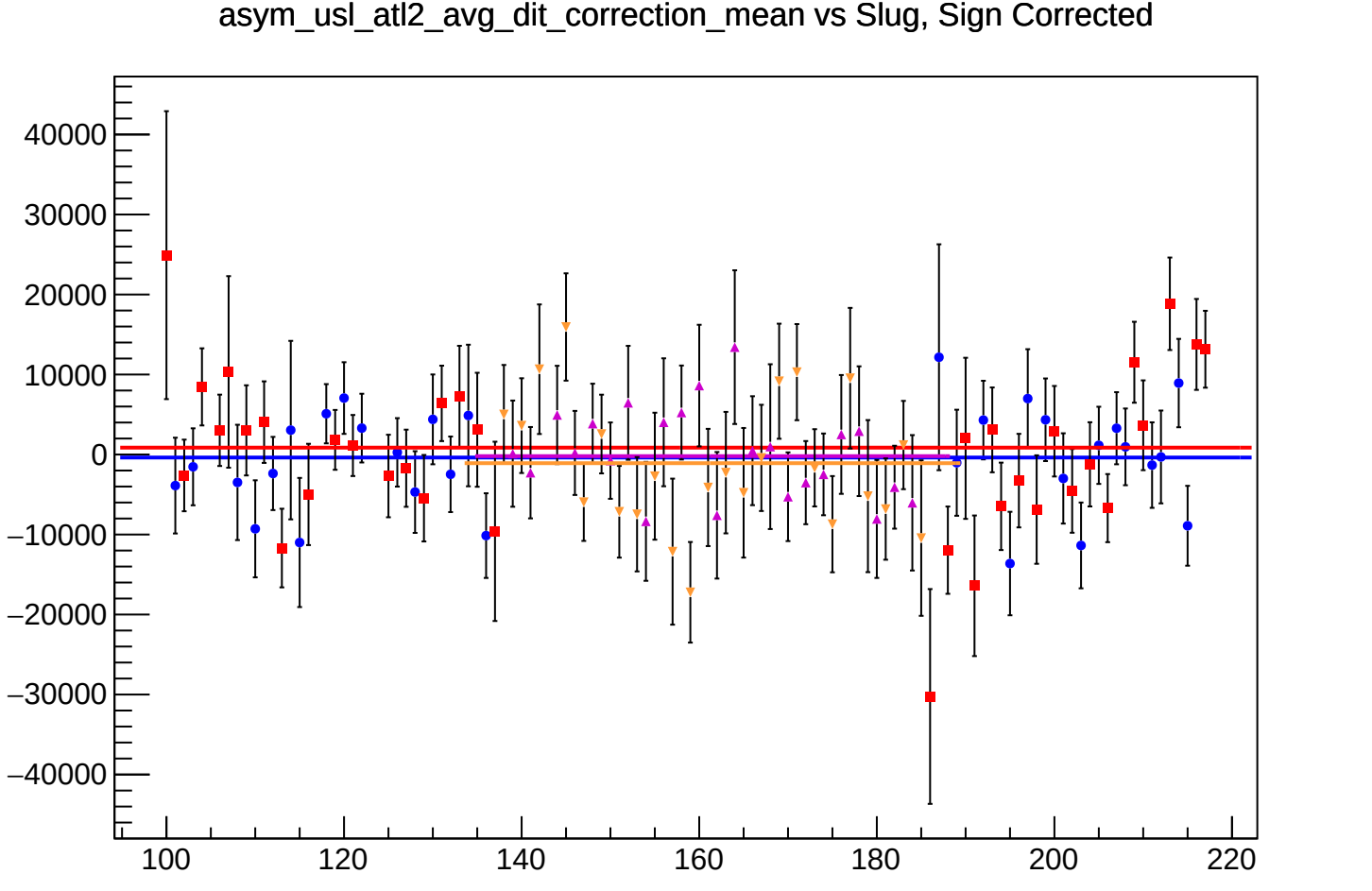
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1442.451+/-0.162 χ^2/NDF: 262338.2/65

In: 1513.680+/-0.175 χ^2/NDF:520436.9/53

Out: 1520.471+/-0.173 χ^2/NDF:519725.1/58

All: 1517.121+/-0.123 χ^2/NDF: 1040923.5/11



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: 862.121+/-929.137 χ^2/NDF: 68.3/34

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

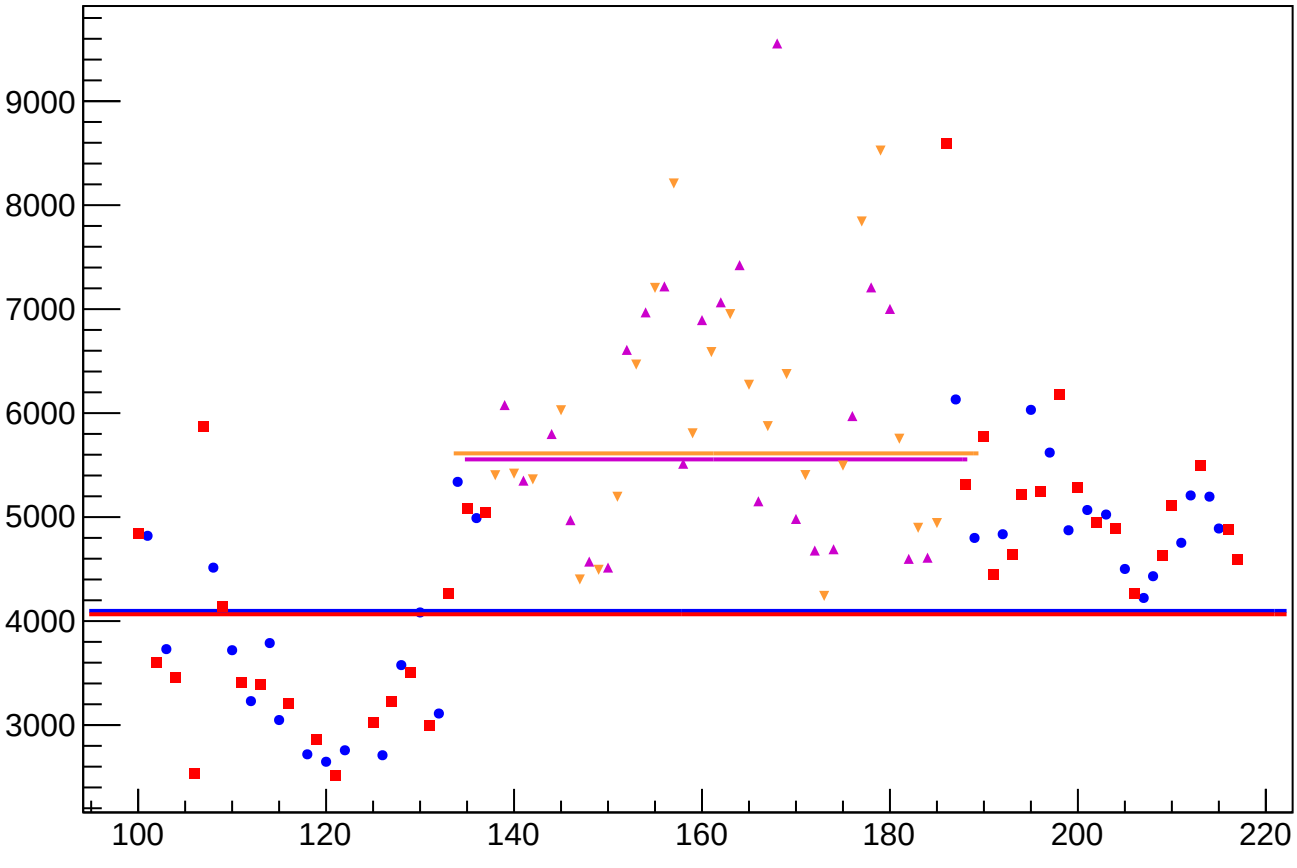
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: 265.045+/-668.360 χ^2/NDF: 104.2/65

In: -315.353+/-778.770 χ^2/NDF:47.9/53

Out: 225.968+/-762.130 χ^2/NDF:102.7/58

All: -38.848+/-544.695 χ^2/NDF: 150.9/112



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: 4065.521+/-0.657 χ^2/NDF: 2573550.0/34

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

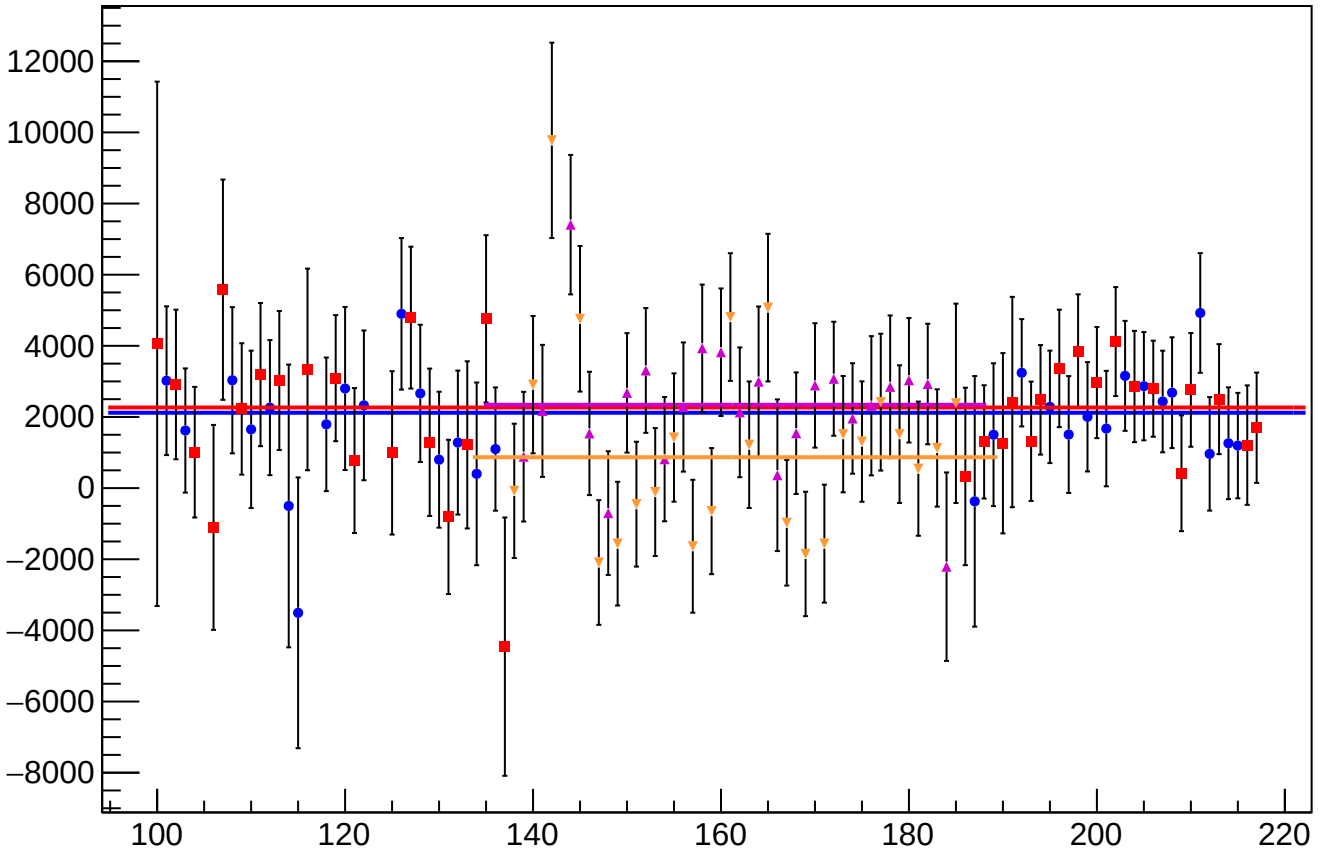
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 4081.076+/-0.473 χ^2/NDF: 4666050.0/65

In: 4600.247+/-0.551 χ^2/NDF:5006277.5/53

Out: 4571.737+/-0.539 χ^2/NDF:5576163.6/58

All: 4585.684+/-0.385 χ^2/NDF: 10583810.2/1



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: 2265.946+/-321.269 χ^2/NDF: 20.1/34

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

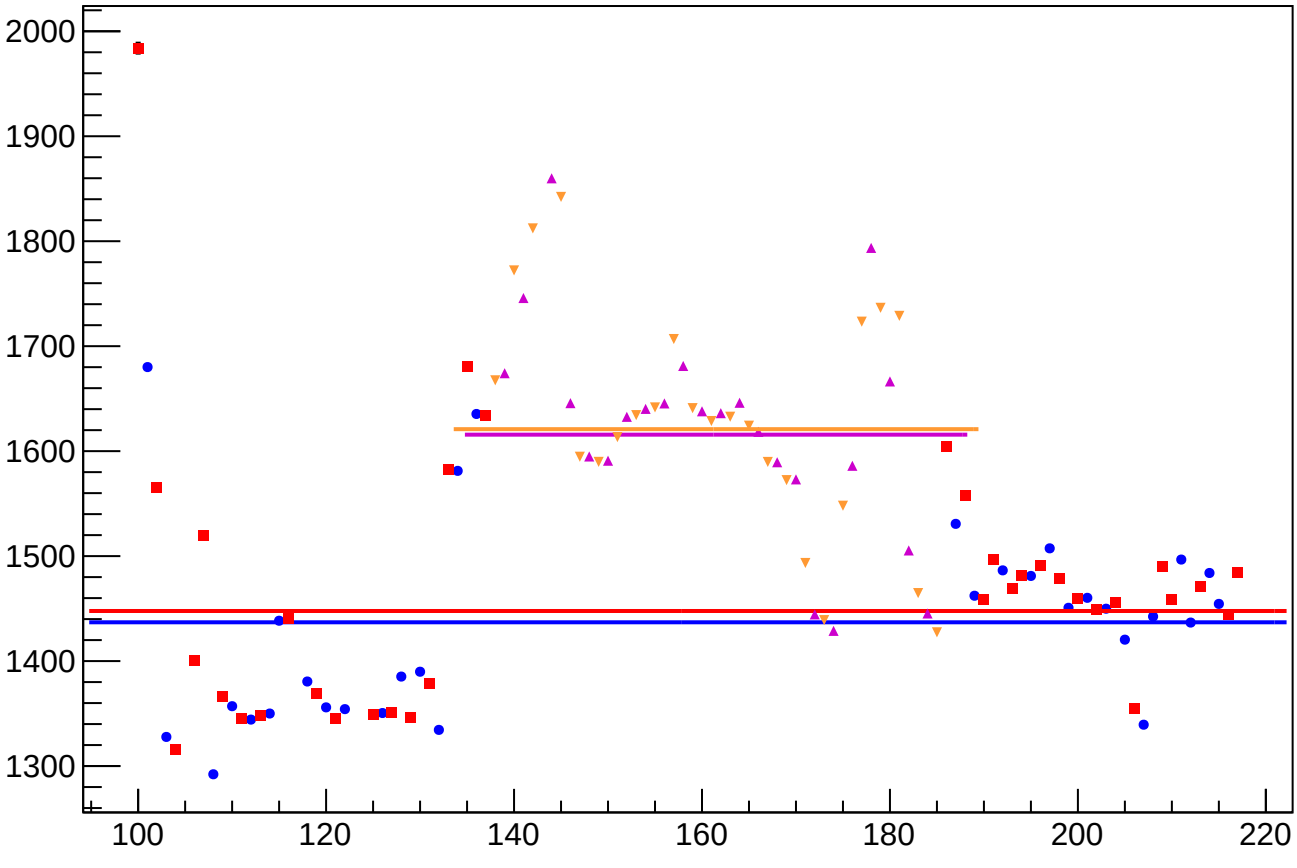
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2193.971+/-229.483 χ^2/NDF: 32.9/65

In: 2214.847+/-247.729 χ^2/NDF:31.0/53

Out: 1678.337+/-244.574 χ^2/NDF:67.8/58

All: 1943.154+/-174.045 χ^2/NDF: 101.1/112



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: 1447.720+/-0.227 χ^2/NDF: 133059.9/34

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

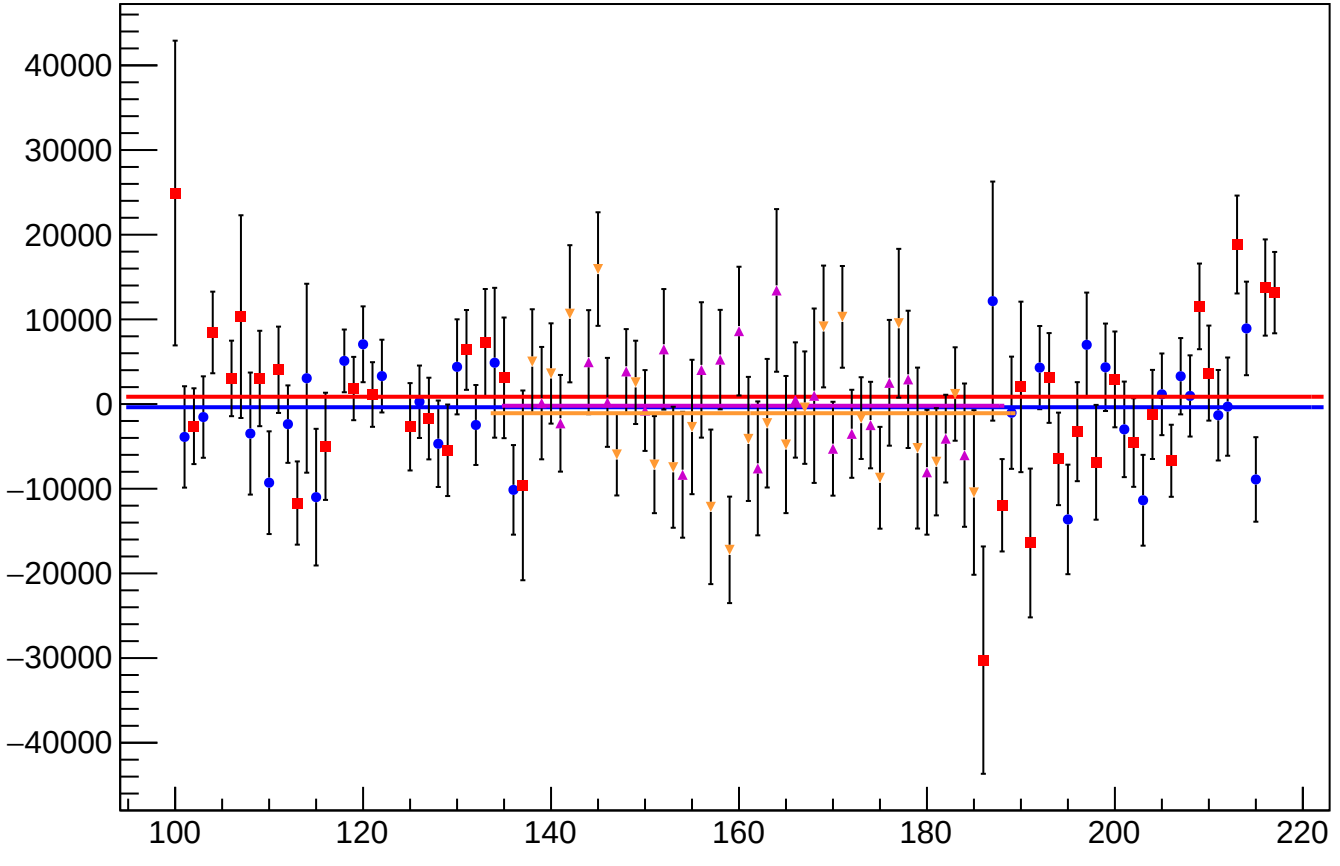
Right: 1442.451+/-0.162 χ^2/NDF: 262338.4/65

In: 1513.681+/-0.175 χ^2/NDF:520444.8/53

Out: 1520.471+/-0.173 χ^2/NDF:519733.7/58

All: 1517.122+/-0.123 χ^2/NDF: 1040939.9/11

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: 862.124+/-929.136 χ^2/NDF: 68.3/34

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

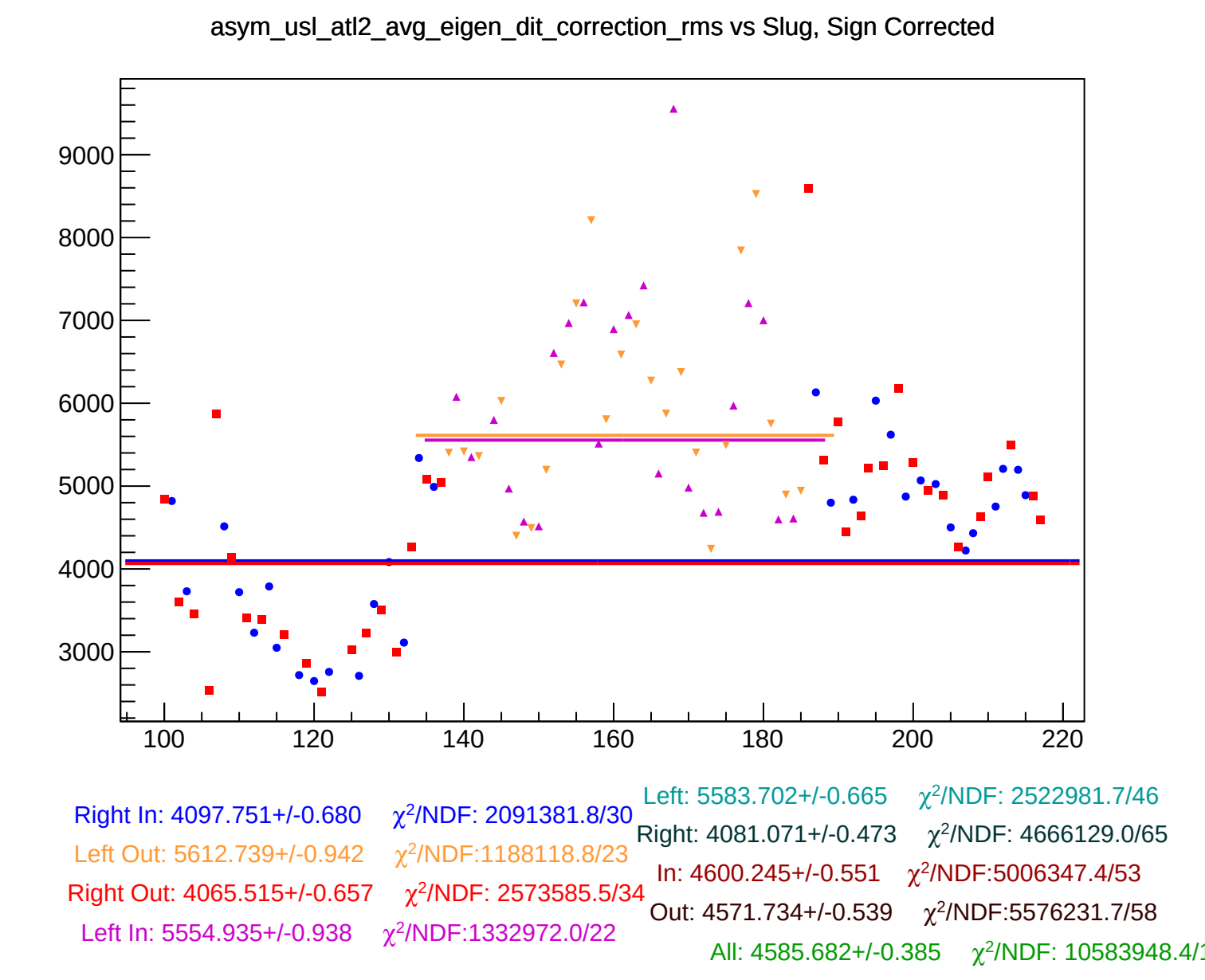
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: 265.049+/-668.359 χ^2/NDF: 104.2/65

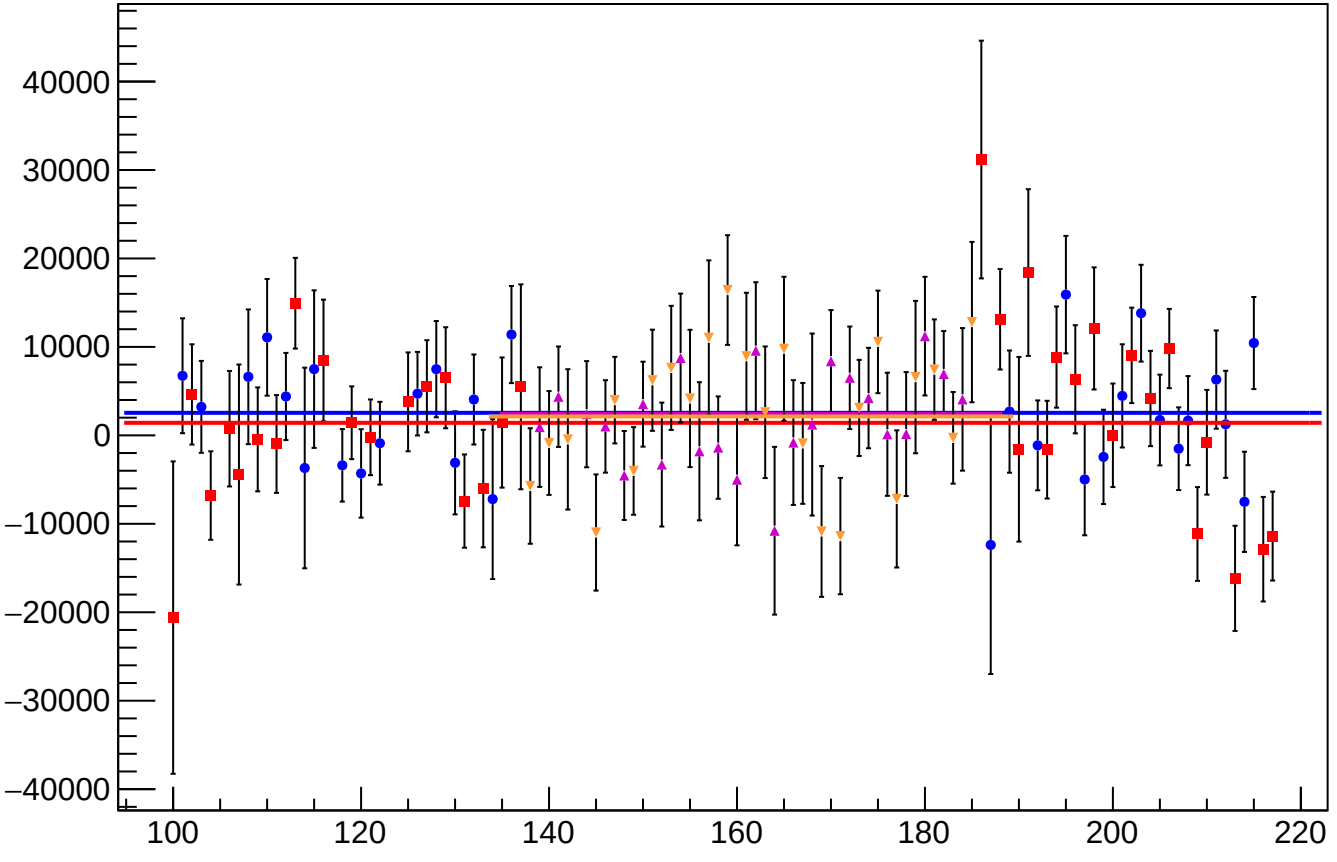
In: -315.350+/-778.770 χ^2/NDF:47.9/53

Out: 225.970+/-762.130 χ^2/NDF:102.7/58

All: -38.845+/-544.695 χ^2/NDF: 150.9/112


asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
220
Right In: 4097.751+/-0.680 χ²/NDF: 2091381.8/30
Left Out: 5612.739+/-0.942 χ²/NDF:1188118.8/23
Right Out: 4065.515+/-0.657 χ²/NDF: 2573585.5/34
Left In: 5554.935+/-0.938 χ²/NDF:1332972.0/22
Left: 5583.702+/-0.665 χ²/NDF: 2522981.7/46
Right: 4081.071+/-0.473 χ²/NDF: 4666129.0/65
In: 4600.245+/-0.551 χ²/NDF:5006347.4/53
Out: 4571.734+/-0.539 χ²/NDF:5576231.7/58
All: 4585.682+/-0.385 χ²/NDF: 10583948.4/1

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



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: 1420.020+/-1000.236 χ^2/NDF: 69.2/34

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

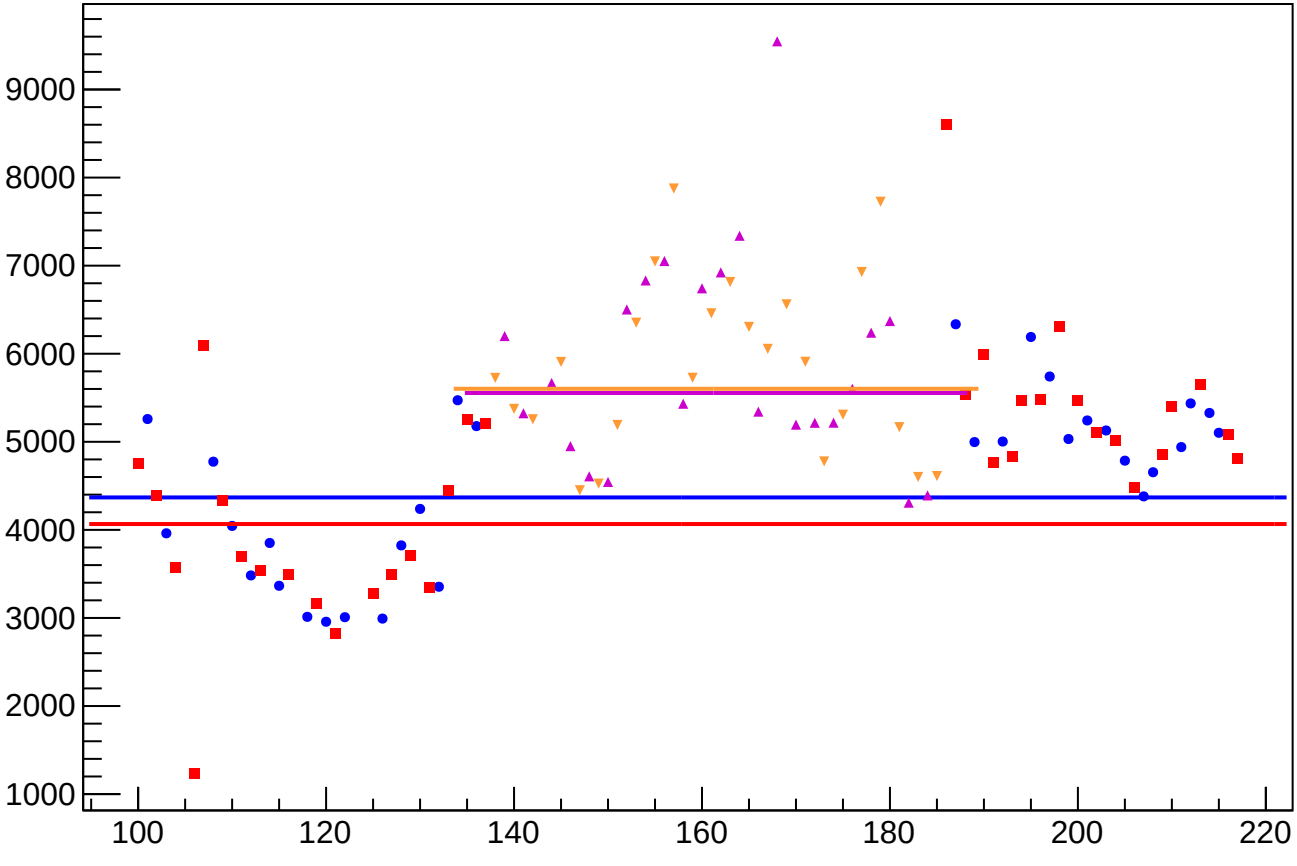
Right: 1972.407+/-714.210 χ^2/NDF: 102.4/65

In: 2502.573+/-807.431 χ^2/NDF:45.4/53

Out: 1680.854+/-798.175 χ^2/NDF:100.1/58

All: 2086.976+/-567.639 χ^2/NDF: 146.0/112

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: 4066.246+/-0.674 χ^2/NDF: 4147205.5/34

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

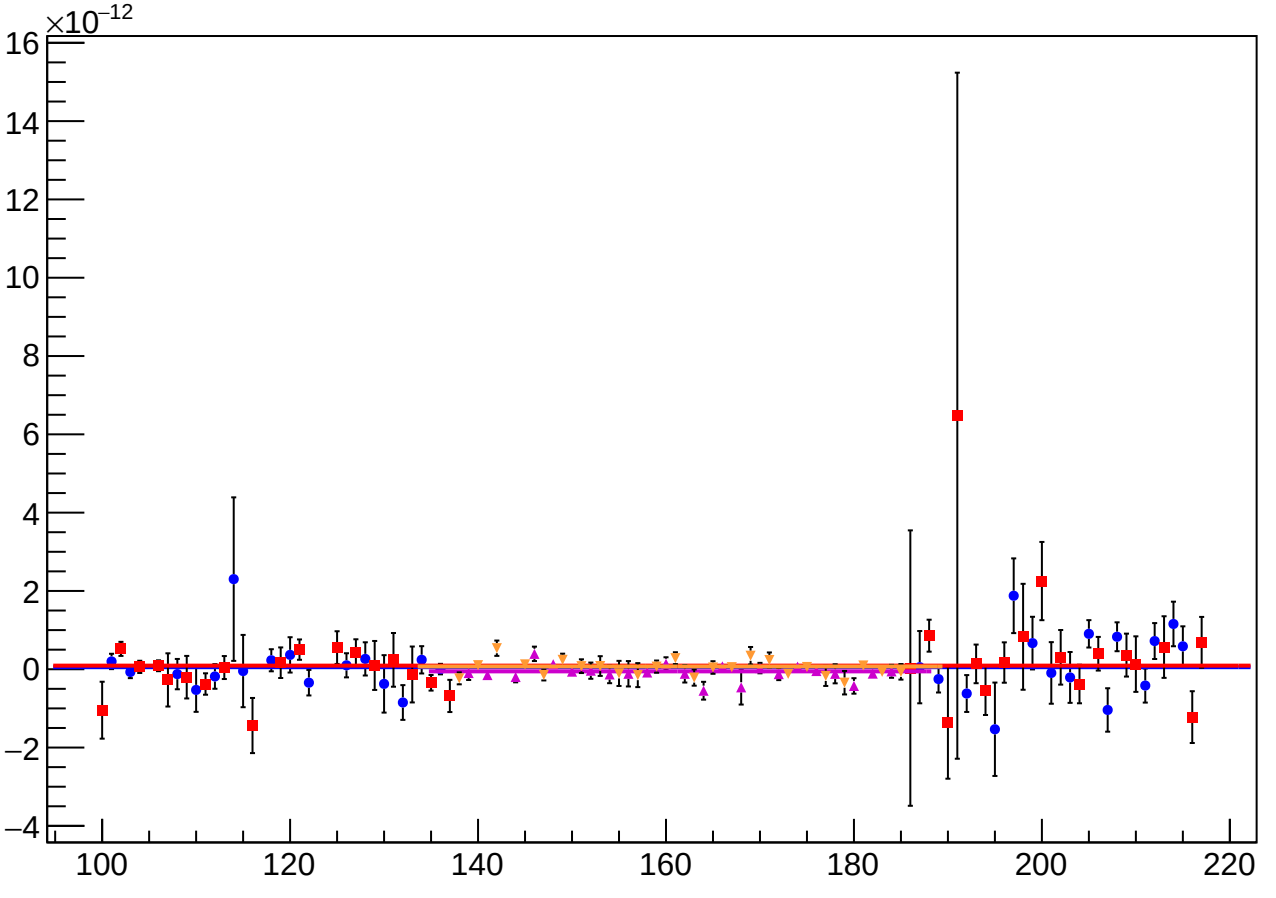
Right: 4207.151+/-0.493 χ^2/NDF: 5929962.4/65

In: 4811.337+/-0.571 χ^2/NDF:3810354.3/53

Out: 4590.599+/-0.547 χ^2/NDF:6859537.2/58

All: 4696.275+/-0.395 χ^2/NDF: 10747808.0/

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: 47.6/34

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

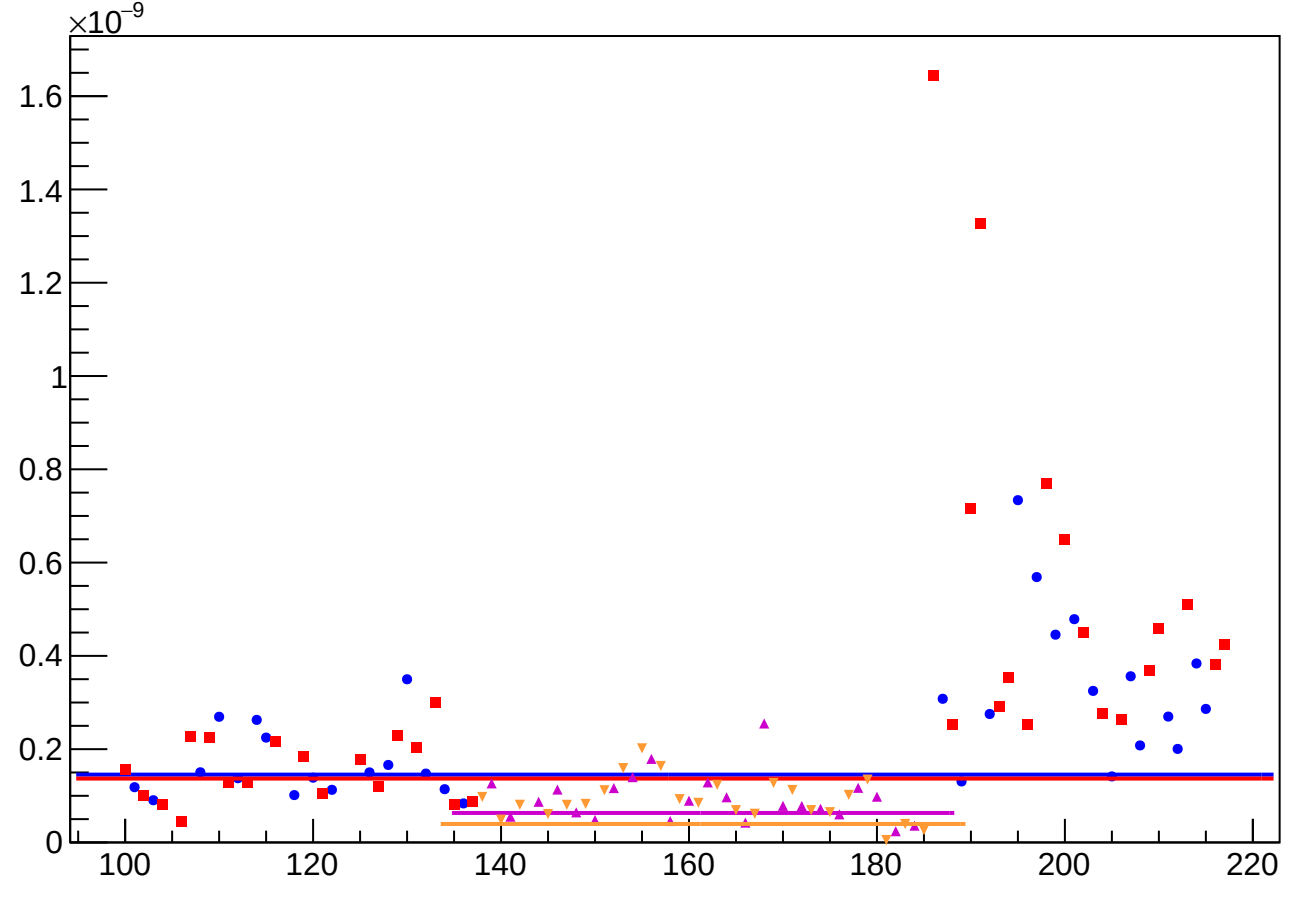
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 91.2/65

In: -0.000+/-0.000 χ^2/NDF:71.2/53

Out: 0.000+/-0.000 χ^2/NDF:76.0/58

All: 0.000+/-0.000 χ^2/NDF: 158.2/112



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: 6771920.0/34

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

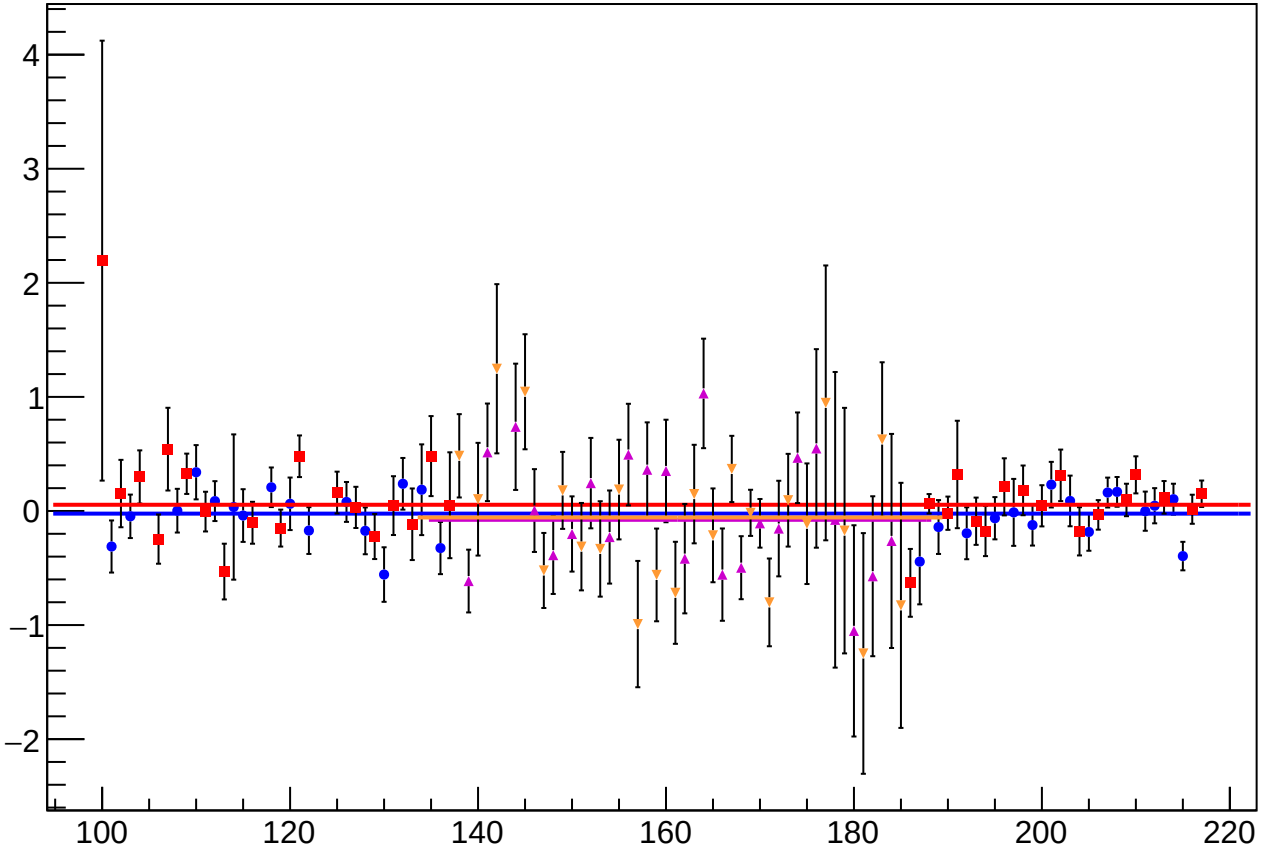
Right: 0.000+/-0.000 χ^2/NDF: 10914034.9/65

In: 0.000+/-0.000 χ^2/NDF:9957453.5/53

Out: 0.000+/-0.000 χ^2/NDF:18297224.5/58

All: 0.000+/-0.000 χ^2/NDF: 29510021.9/112

asym_usl_atl2_avg_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: 0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

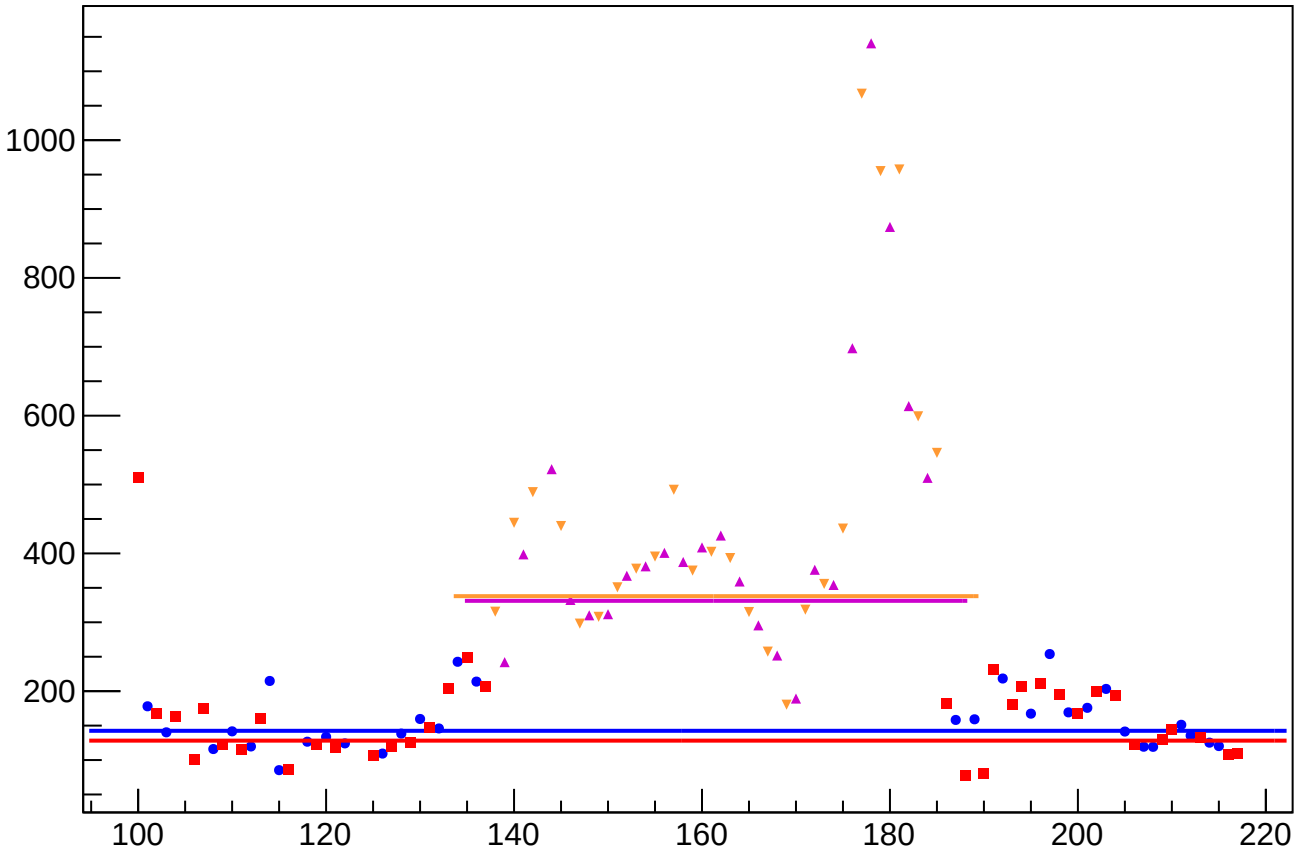
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.020+/-0.023 χ^2/NDF: 79.4/65

In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.042+/-0.029 χ^2/NDF:73.1/58

All: 0.008+/-0.021 χ^2/NDF: 138.7/112



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: 128.180+/-0.022 χ^2/NDF: 3338514.0/34

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

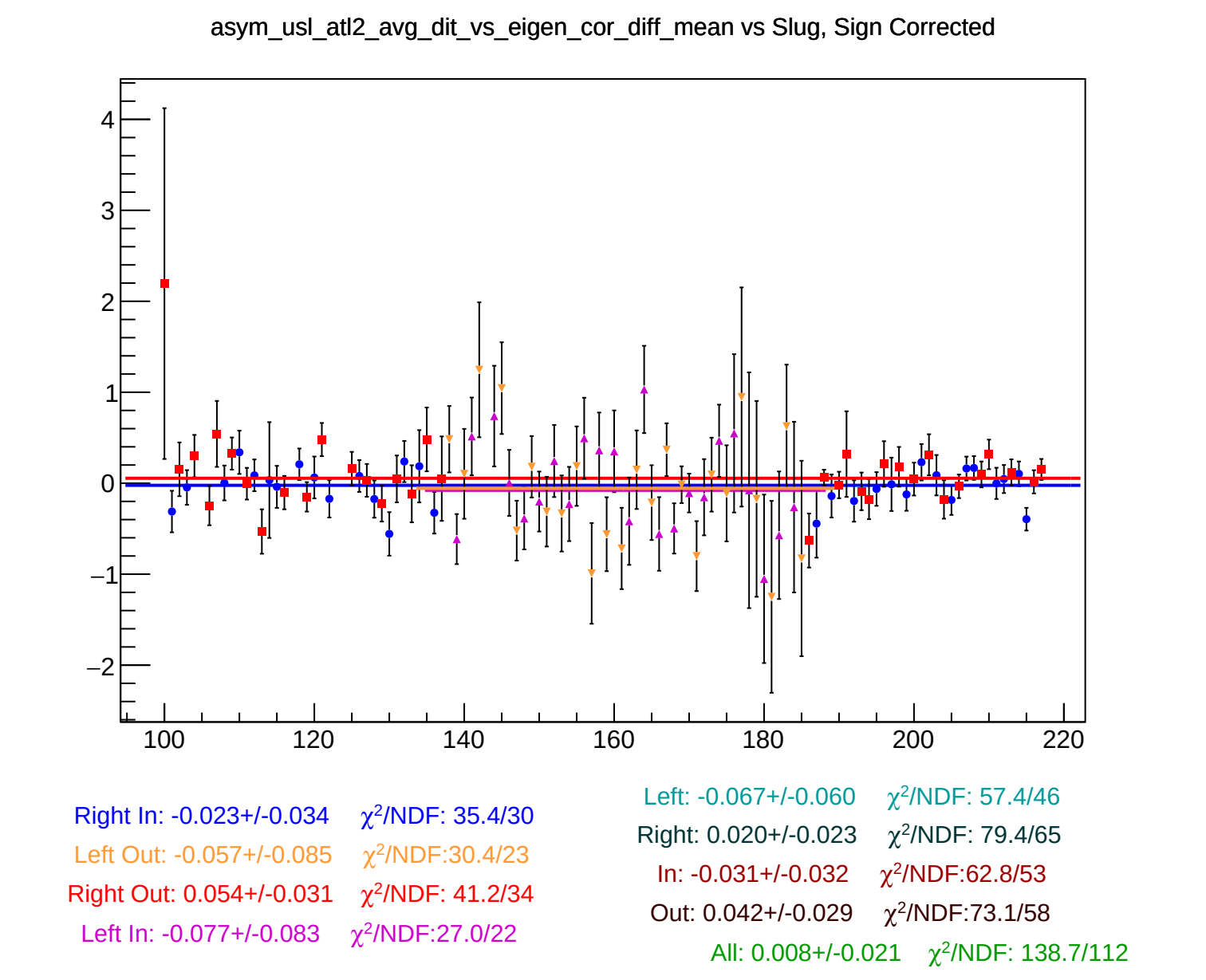
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

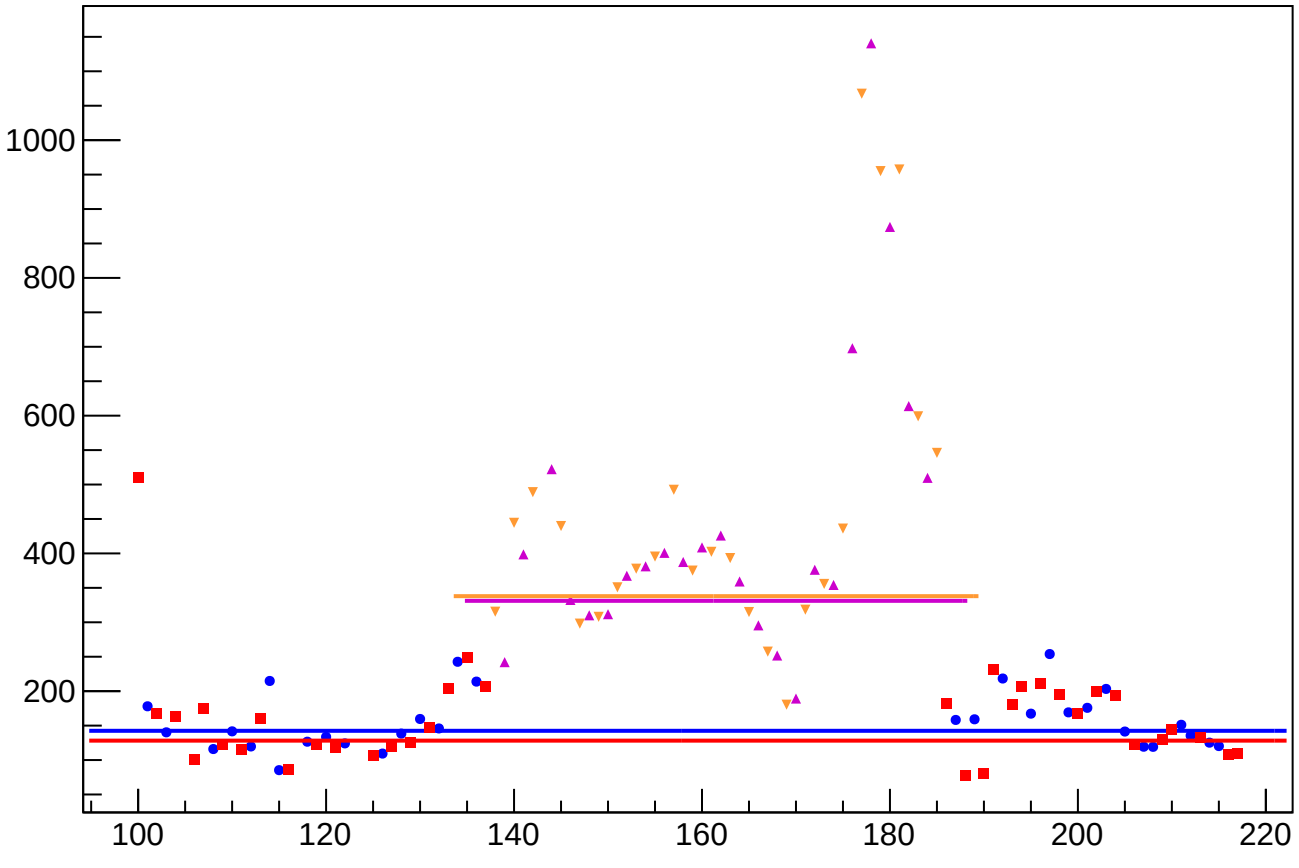
Right: 134.564+/-0.016 χ^2/NDF: 5280434.5/65

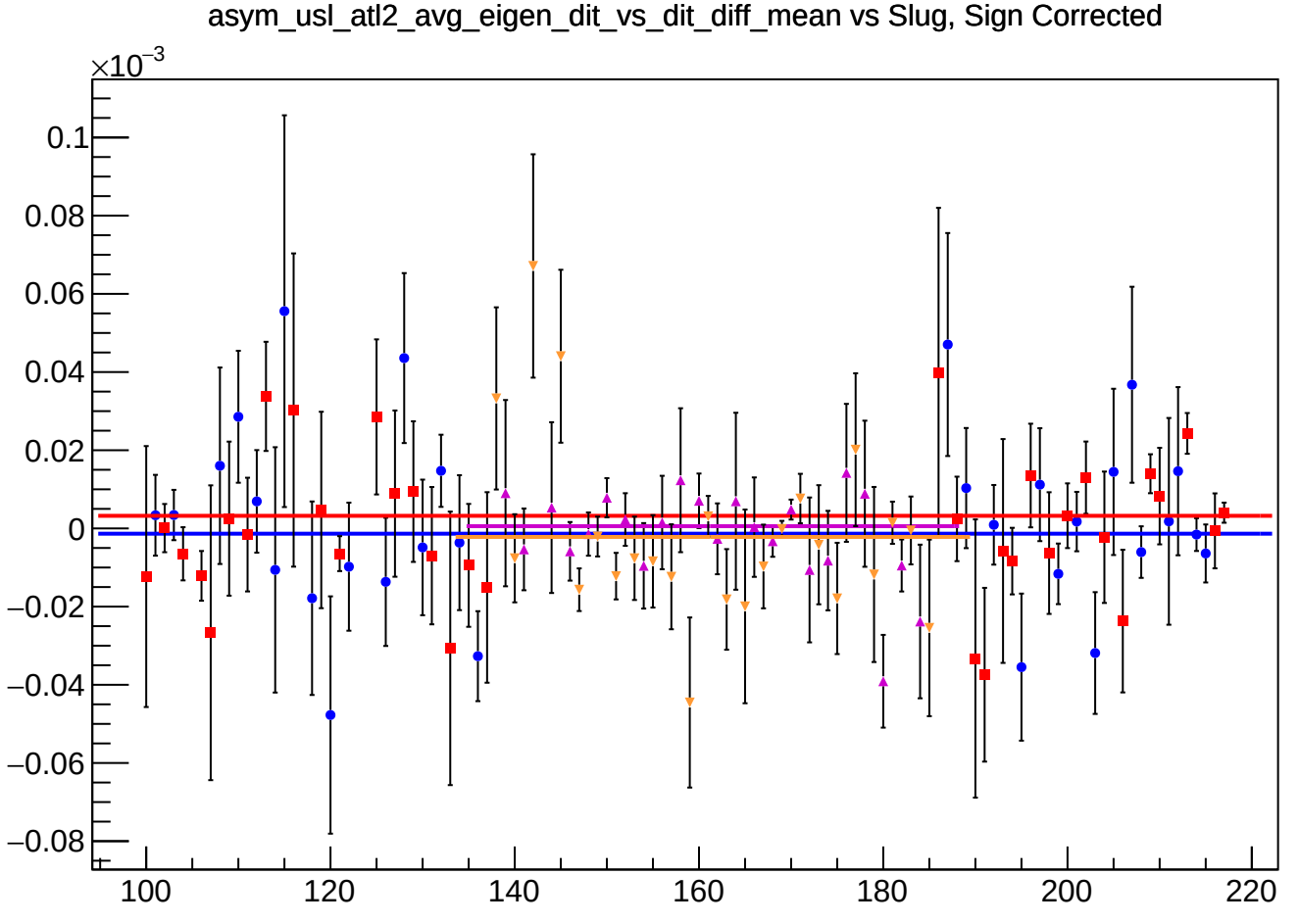
In: 169.735+/-0.022 χ^2/NDF:14613986.3/53

Out: 152.387+/-0.021 χ^2/NDF:18513790.8/58

All: 160.295+/-0.015 χ^2/NDF: 33453338.9/1


asym_usl_atl2_avg_dit_vs_eigen_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: 0.054+/-0.031 χ²/NDF: 41.2/34
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.020+/-0.023 χ²/NDF: 79.4/65
In: -0.031+/-0.032 χ²/NDF:62.8/53
Out: 0.042+/-0.029 χ²/NDF:73.1/58
All: 0.008+/-0.021 χ²/NDF: 138.7/112


asym_usl_atl2_avg_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: 1750755.1/30
Left Out: 337.937+/-0.060 χ²/NDF:4517129.8/23
Right Out: 128.180+/-0.022 χ²/NDF: 3338514.0/34
Left In: 331.158+/-0.059 χ²/NDF:4106959.8/22
Left: 334.465+/-0.042 χ²/NDF: 8630534.0/46
Right: 134.564+/-0.016 χ²/NDF: 5280434.5/65
In: 169.735+/-0.022 χ²/NDF:14613986.3/53
Out: 152.387+/-0.021 χ²/NDF:18513790.8/58
All: 160.295+/-0.015 χ²/NDF: 33453338.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 56.3/34

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

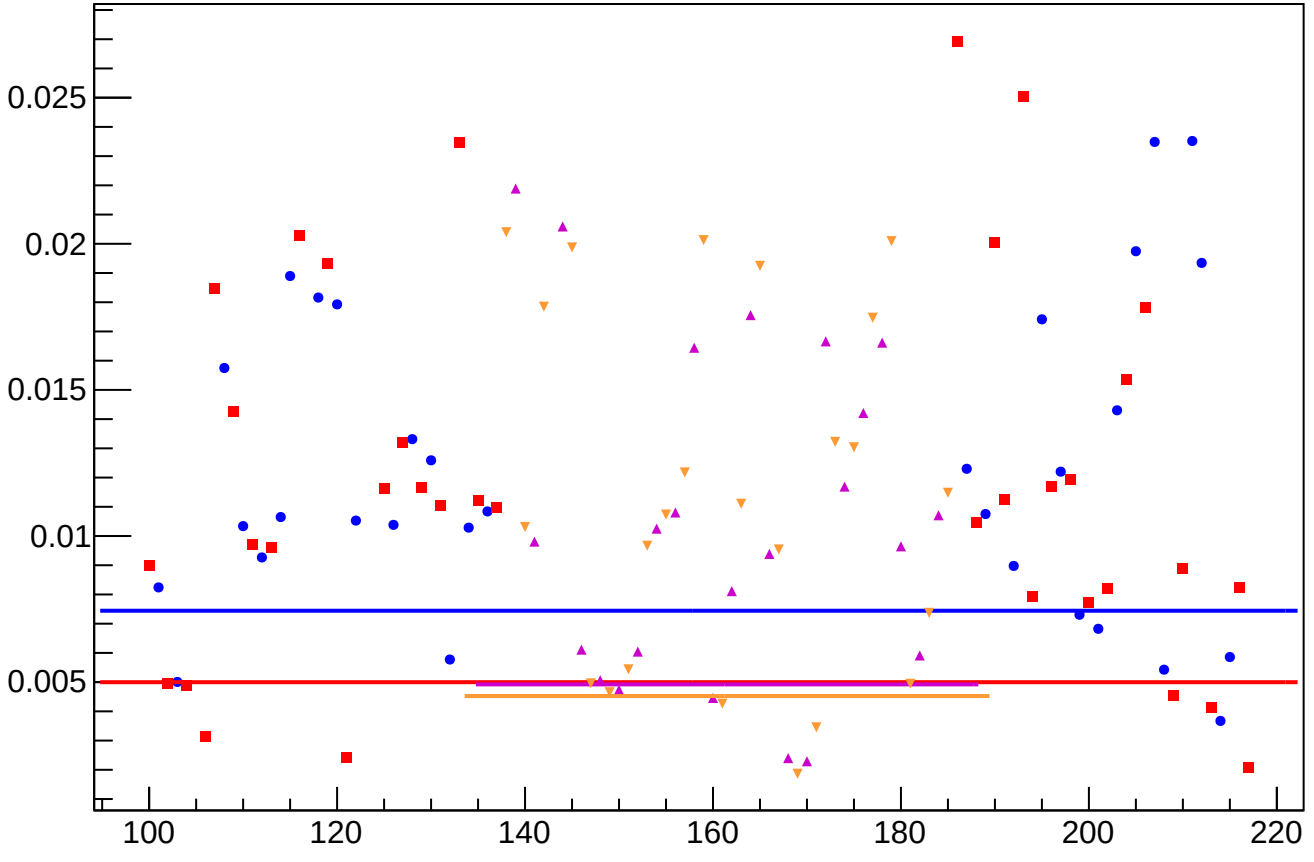
Right: 0.000+/-0.000 χ^2/NDF: 102.0/65

In: -0.000+/-0.000 χ^2/NDF:69.1/53

Out: 0.000+/-0.000 χ^2/NDF:101.3/58

All: 0.000+/-0.000 χ^2/NDF: 170.5/112

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 8216117.9/30

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.005+/-0.000 χ^2/NDF: 13928246.1/34

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

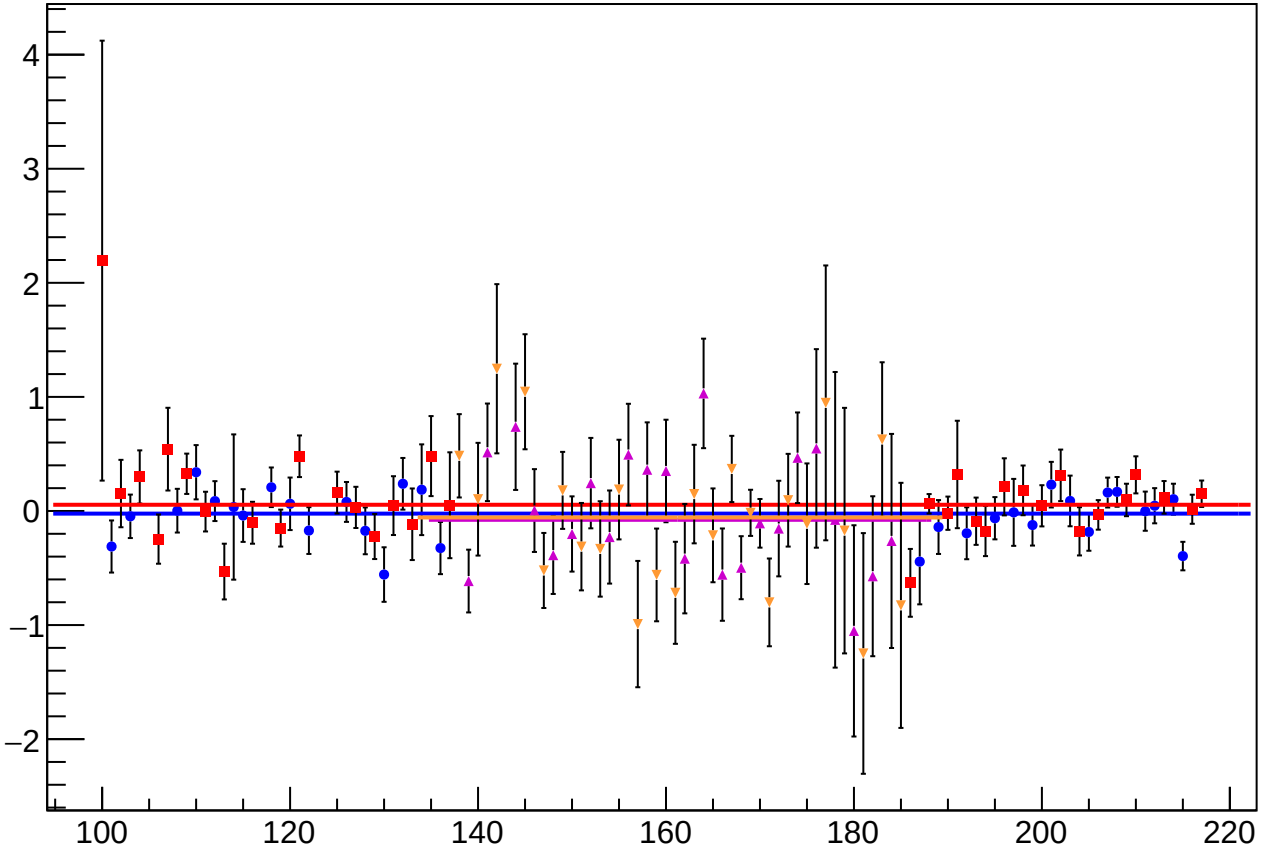
Right: 0.006+/-0.000 χ^2/NDF: 24099947.4/65

In: 0.006+/-0.000 χ^2/NDF:21884602.0/53

Out: 0.005+/-0.000 χ^2/NDF:28278263.1/58

All: 0.005+/-0.000 χ^2/NDF: 51103576.1/112

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: 0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

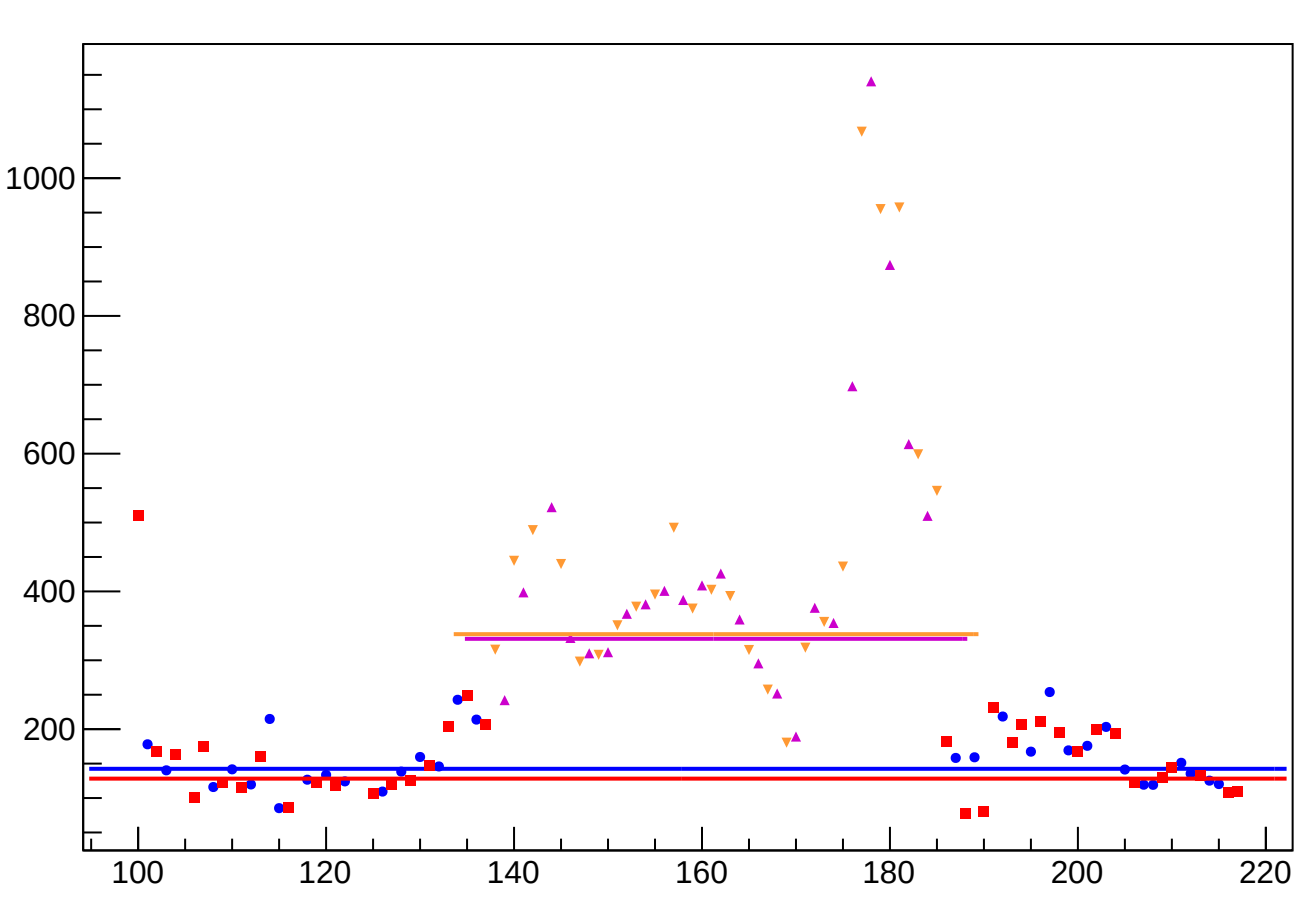
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.020+/-0.023 χ^2/NDF: 79.4/65

In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.042+/-0.029 χ^2/NDF:73.1/58

All: 0.008+/-0.021 χ^2/NDF: 138.7/112



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: 128.179+/-0.022 χ^2/NDF: 3338662.2/34

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

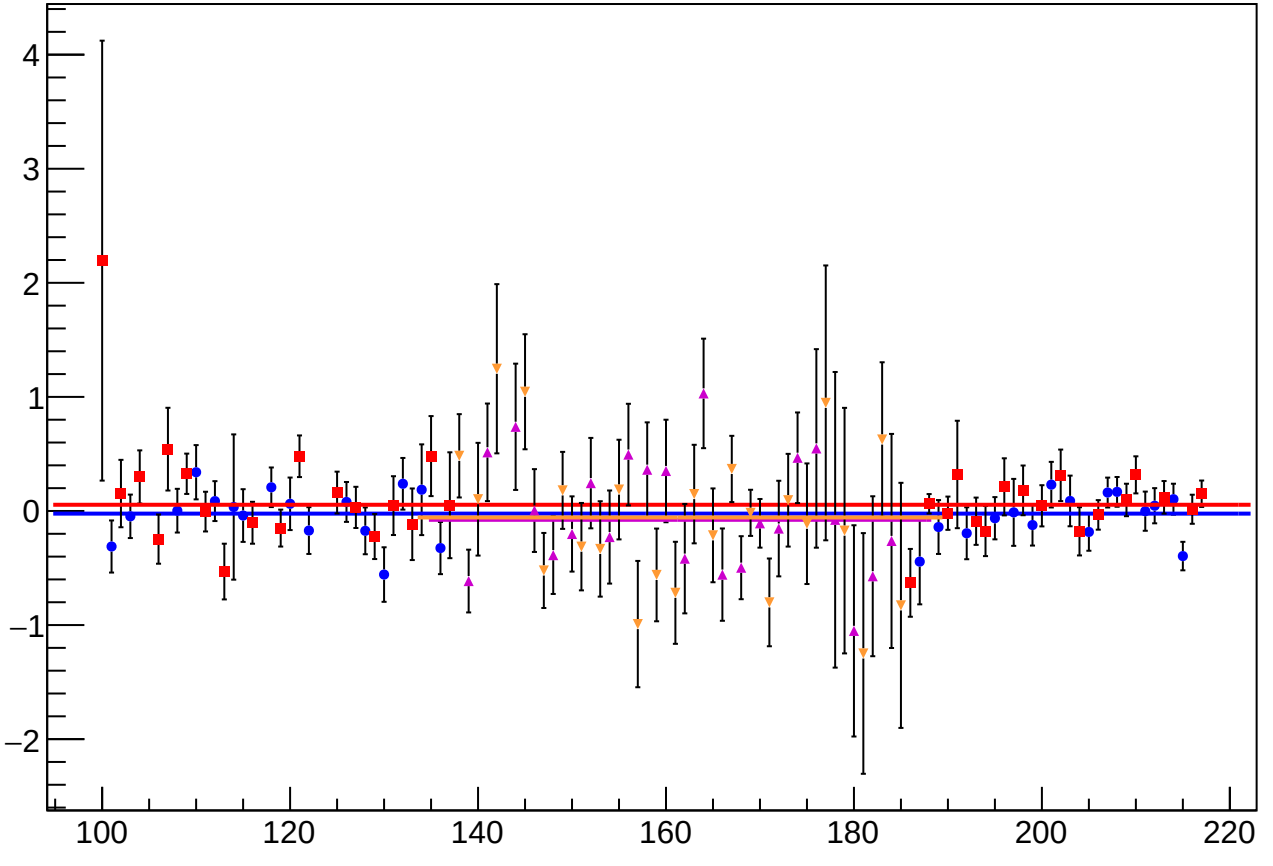
Right: 134.563+/-0.016 χ^2/NDF: 5280626.2/65

In: 169.736+/-0.022 χ^2/NDF:14614120.7/53

Out: 152.385+/-0.021 χ^2/NDF:18514228.8/58

All: 160.294+/-0.015 χ^2/NDF: 33453971.7/1

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: 0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

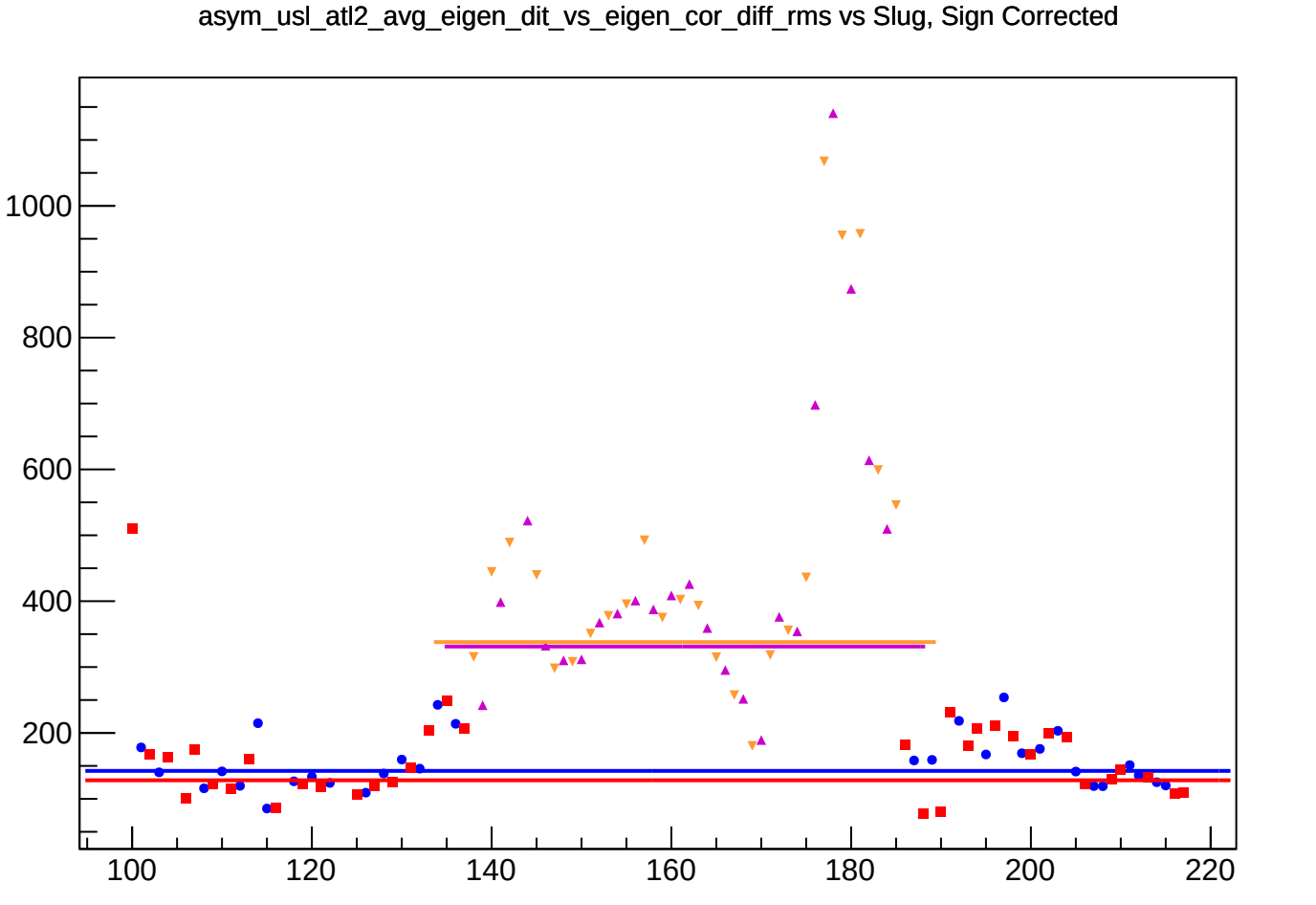
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

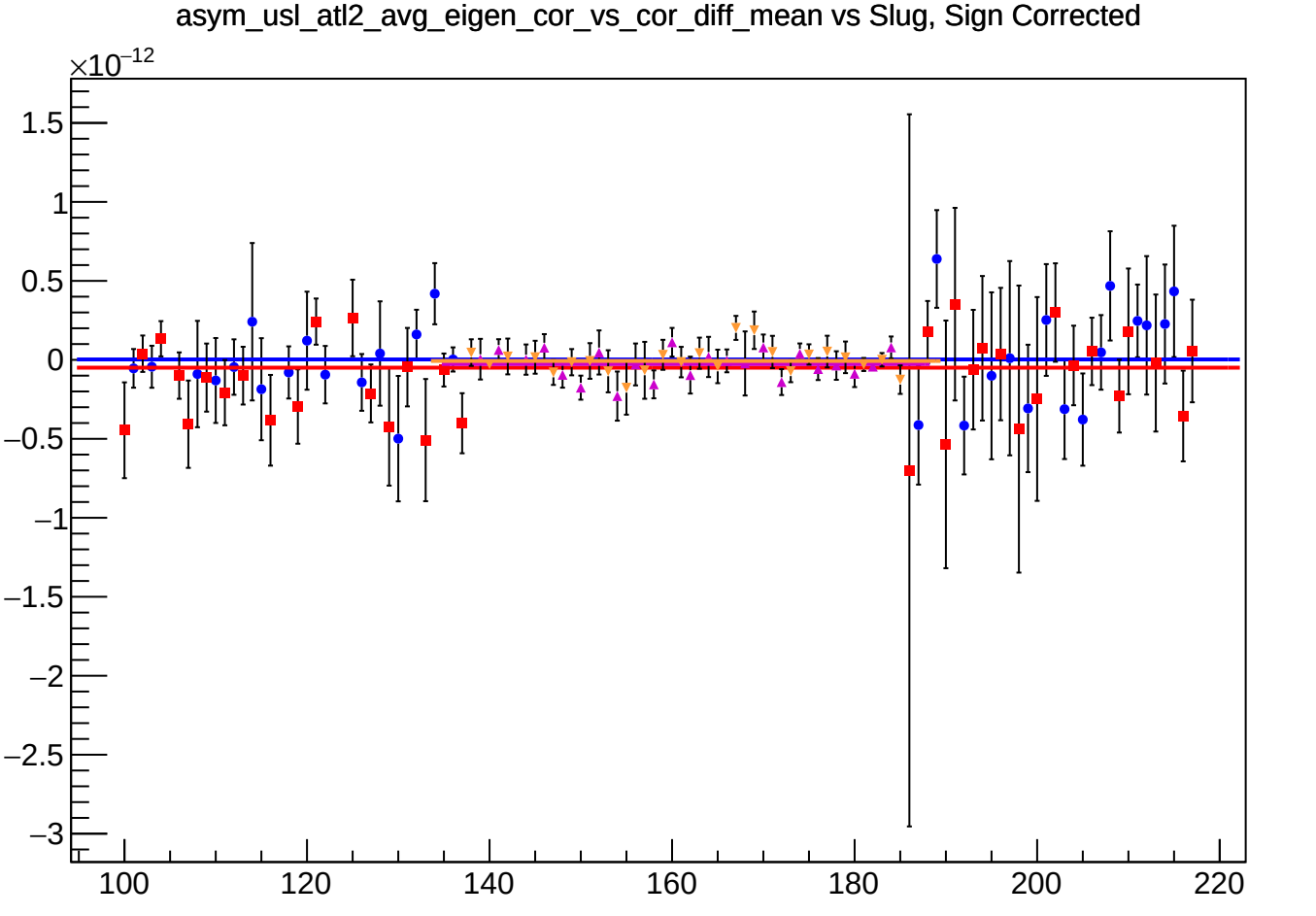
Right: 0.020+/-0.023 χ^2/NDF: 79.4/65

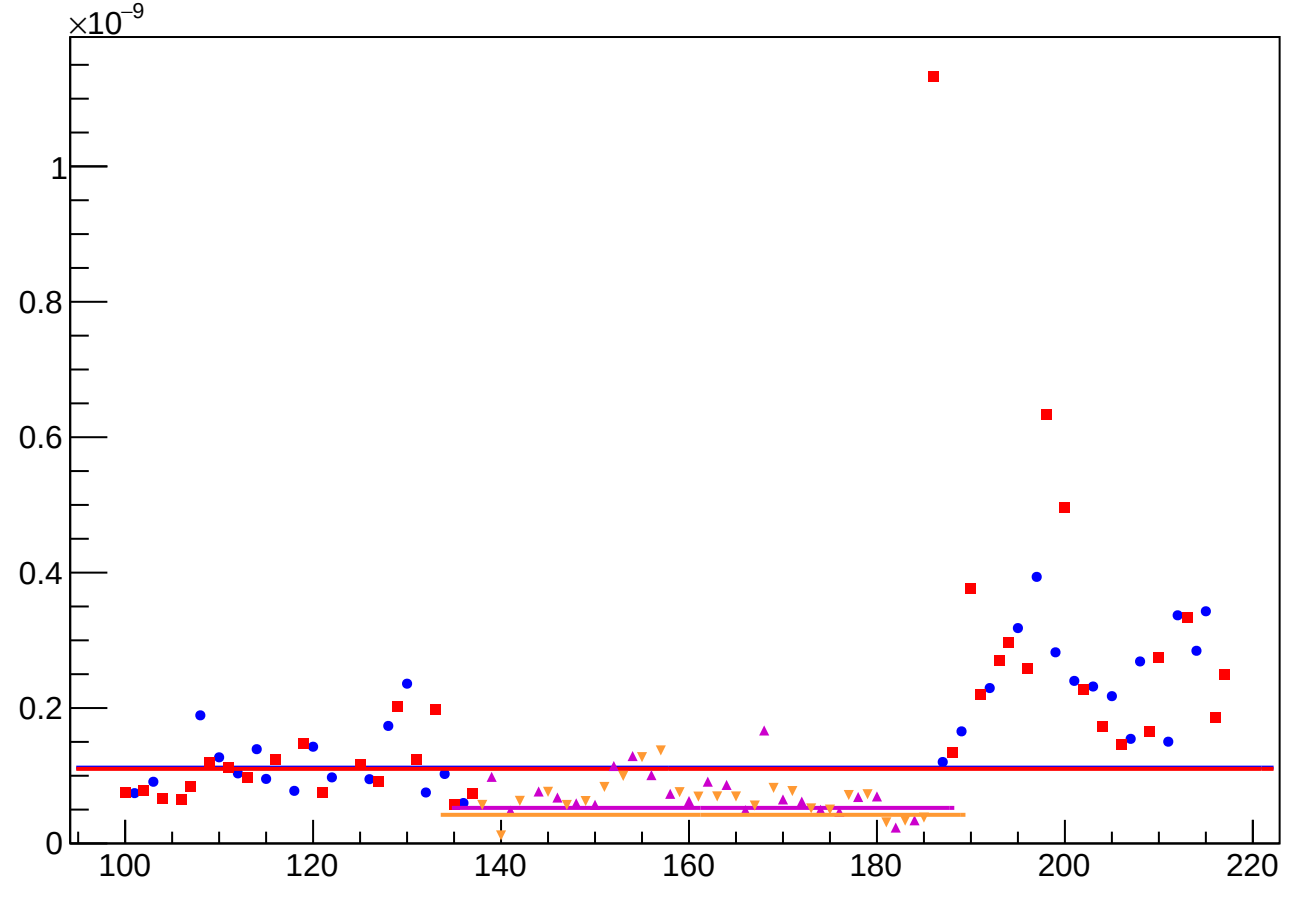
In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.042+/-0.029 χ^2/NDF:73.1/58

All: 0.008+/-0.021 χ^2/NDF: 138.7/112


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: 128.179+/-0.022 χ²/NDF: 3338662.2/34
Left In: 331.161+/-0.059 χ²/NDF:4106963.1/22
Left: 334.468+/-0.042 χ²/NDF: 8630607.3/46
Right: 134.563+/-0.016 χ²/NDF: 5280626.2/65
In: 169.736+/-0.022 χ²/NDF:14614120.7/53
Out: 152.385+/-0.021 χ²/NDF:18514228.8/58
All: 160.294+/-0.015 χ²/NDF: 33453971.7/11


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: 28.6/34
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: 55.1/65
In: -0.000+/-0.000 χ²/NDF:48.9/53
Out: -0.000+/-0.000 χ²/NDF:47.8/58
All: -0.000+/-0.000 χ²/NDF: 97.0/112



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: 6717268.5/34

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

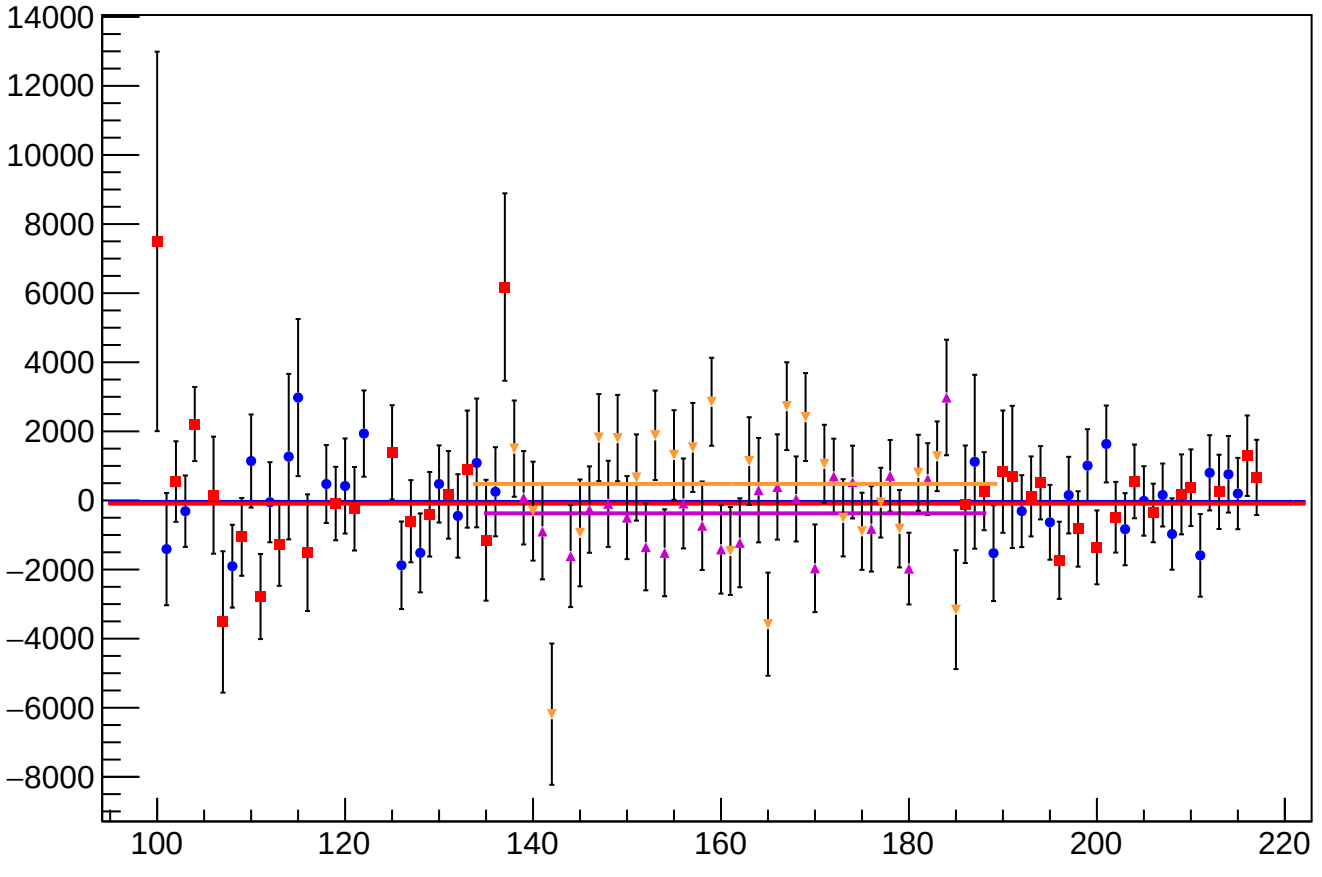
Right: 0.000+/-0.000 χ^2/NDF: 12872948.1/65

In: 0.000+/-0.000 χ^2/NDF:15175276.2/53

Out: 0.000+/-0.000 χ^2/NDF:19215091.3/58

All: 0.000+/-0.000 χ^2/NDF: 34937475.5/112

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: -91.590+/-209.787 χ^2/NDF: 32.2/34

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

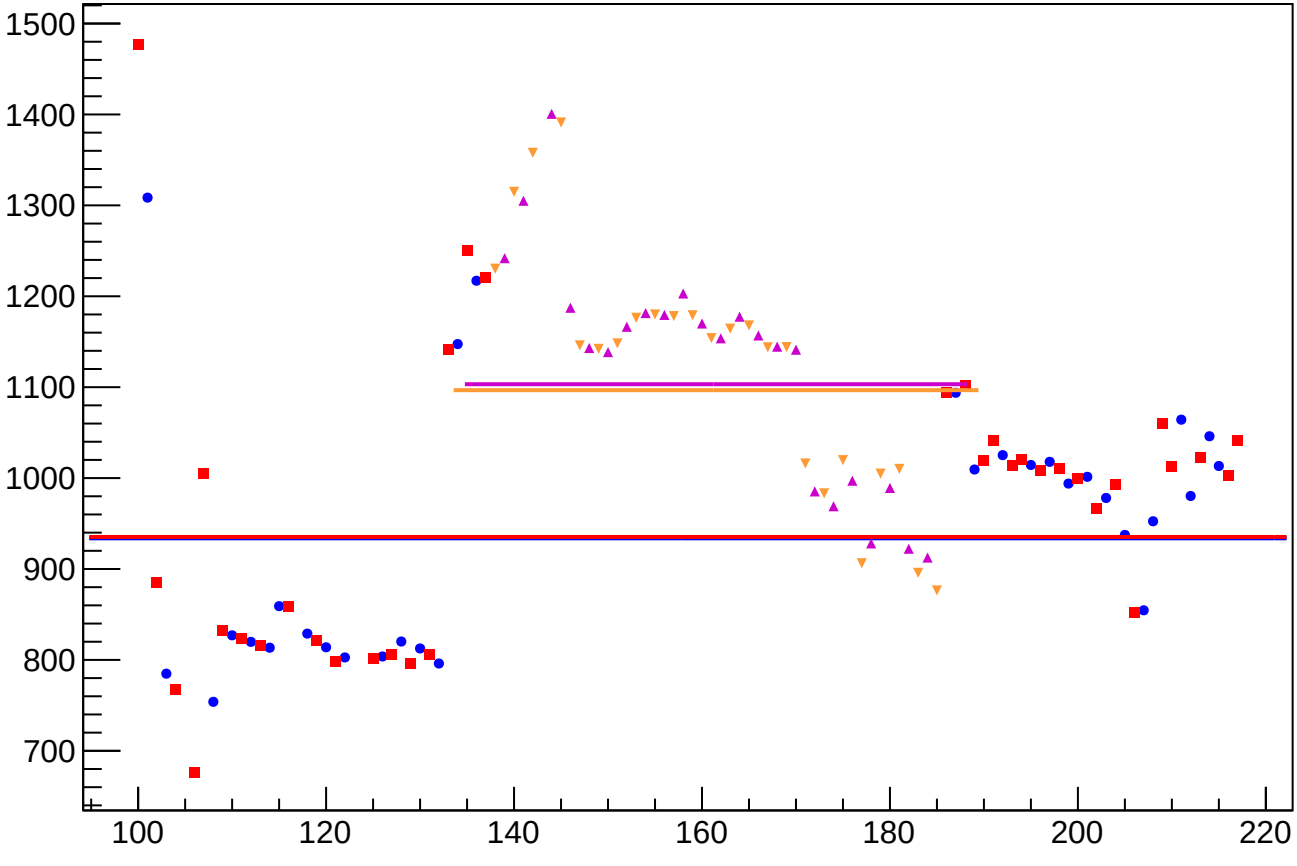
Right: -67.762+/-150.013 χ^2/NDF: 54.8/65

In: -177.003+/-165.325 χ^2/NDF:39.7/53

Out: 137.516+/-162.347 χ^2/NDF:80.3/58

All: -16.885+/-115.835 χ^2/NDF: 121.8/112

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: 935.241+/-0.148 χ^2/NDF: 684398.6/34

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

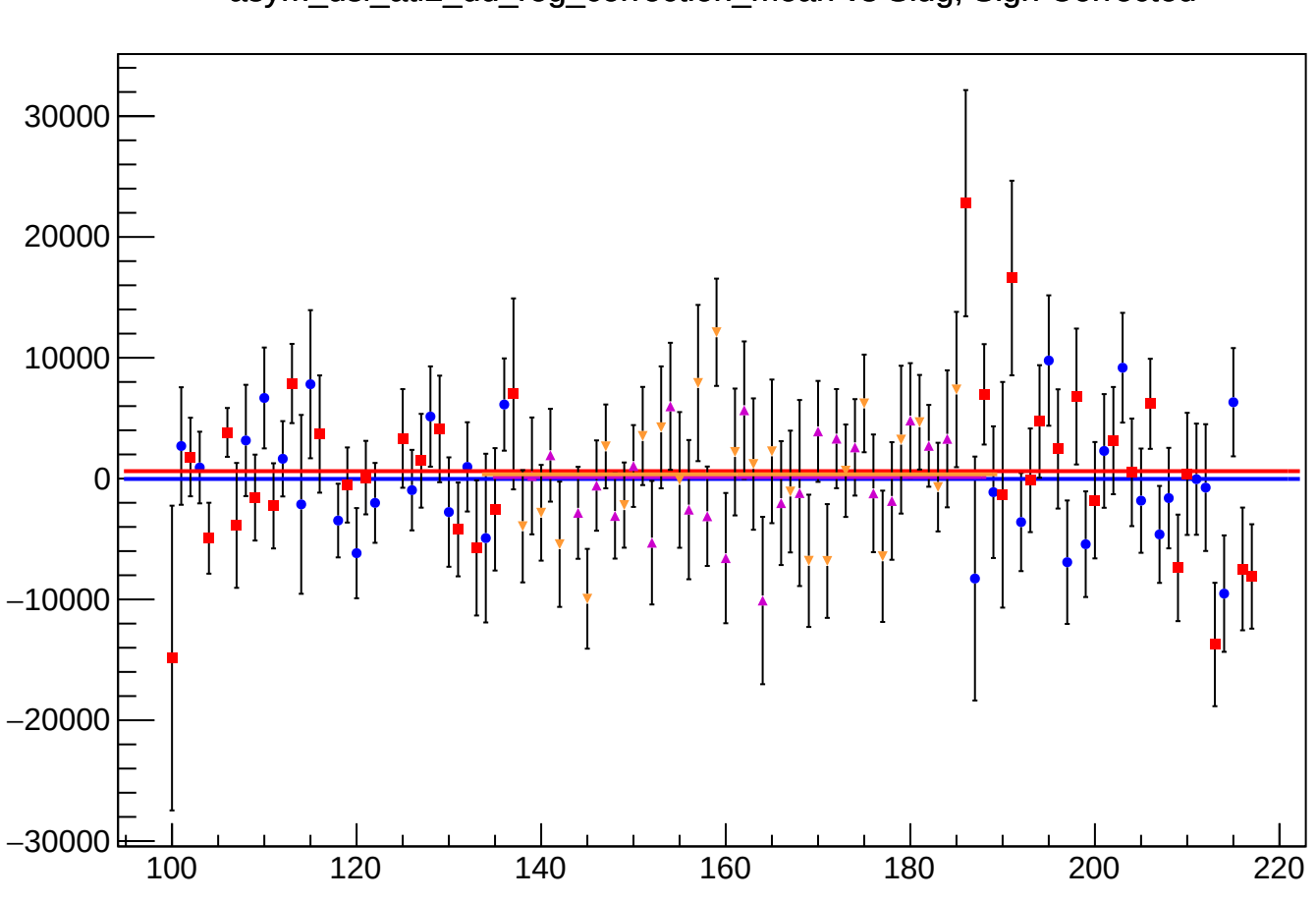
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 934.518+/-0.106 χ^2/NDF: 1329614.1/65

In: 1002.661+/-0.117 χ^2/NDF:1600043.3/53

Out: 999.600+/-0.114 χ^2/NDF:1642202.2/58

All: 1001.098+/-0.082 χ^2/NDF: 3242595.7/11



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: 616.423+/-699.543 χ^2/NDF: 54.7/34

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

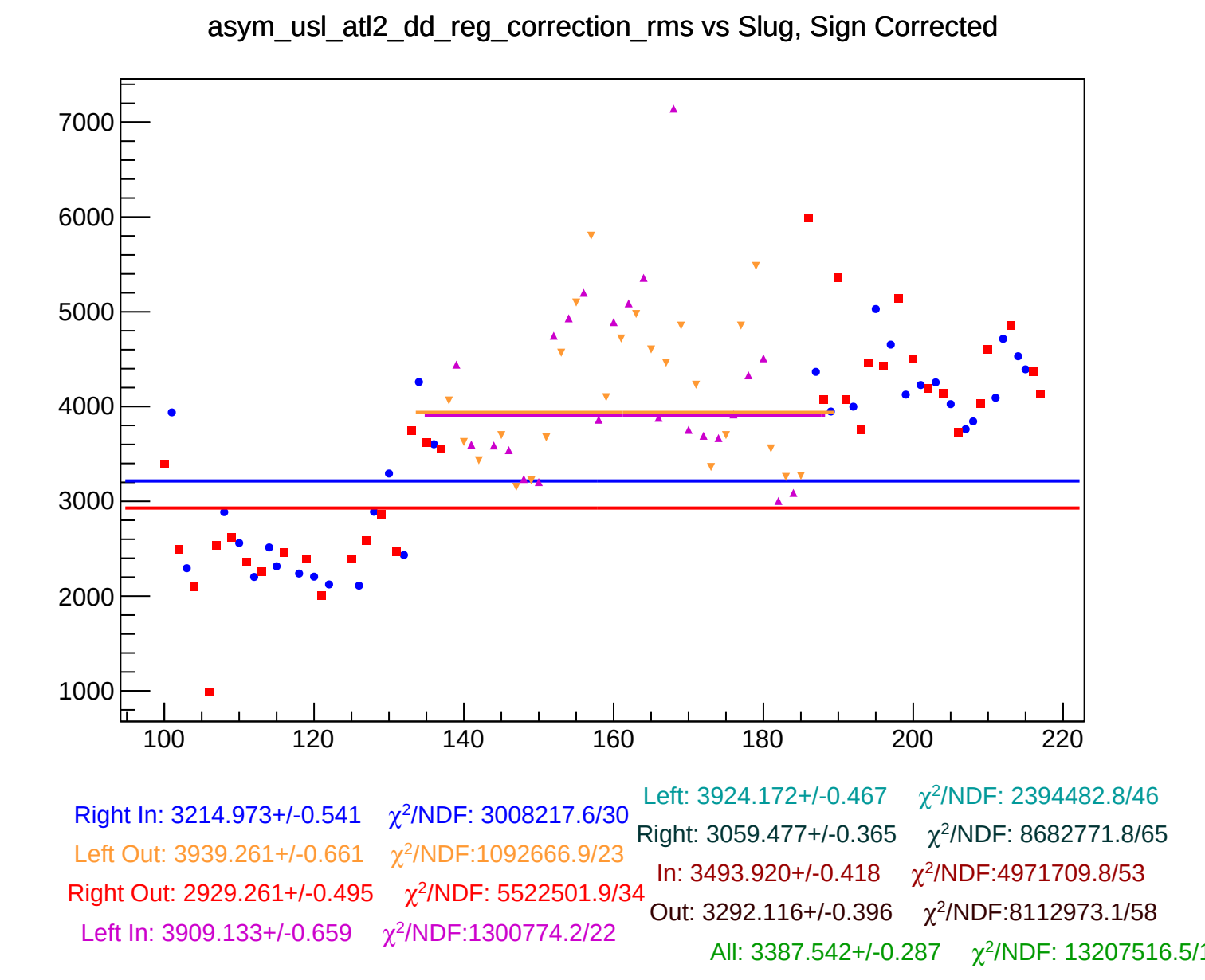
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

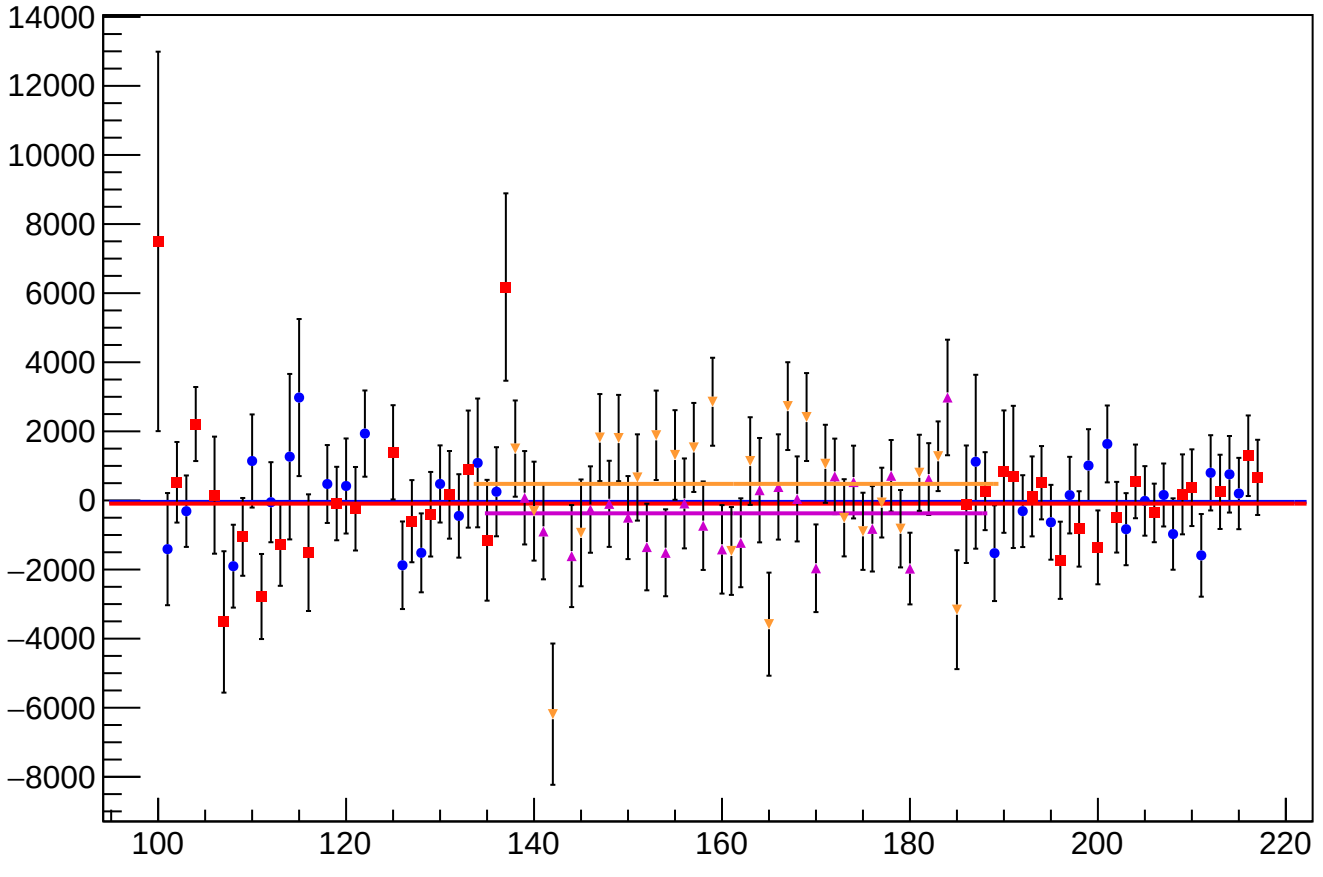
Right: 322.459+/-516.071 χ^2/NDF: 90.1/65

In: 33.822+/-591.218 χ^2/NDF:48.8/53

Out: 523.484+/-559.957 χ^2/NDF:85.0/58

All: 291.940+/-406.552 χ^2/NDF: 134.1/112


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 3214.973+/-0.541 χ²/NDF: 3008217.6/30
Left Out: 3939.261+/-0.661 χ²/NDF:1092666.9/23
Right Out: 2929.261+/-0.495 χ²/NDF: 5522501.9/34
Left In: 3909.133+/-0.659 χ²/NDF:1300774.2/22
Left: 3924.172+/-0.467 χ²/NDF: 2394482.8/46
Right: 3059.477+/-0.365 χ²/NDF: 8682771.8/65
In: 3493.920+/-0.418 χ²/NDF:4971709.8/53
Out: 3292.116+/-0.396 χ²/NDF:8112973.1/58
All: 3387.542+/-0.287 χ²/NDF: 13207516.5/1



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: -92.294+/-209.789 χ^2/NDF: 32.1/34

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

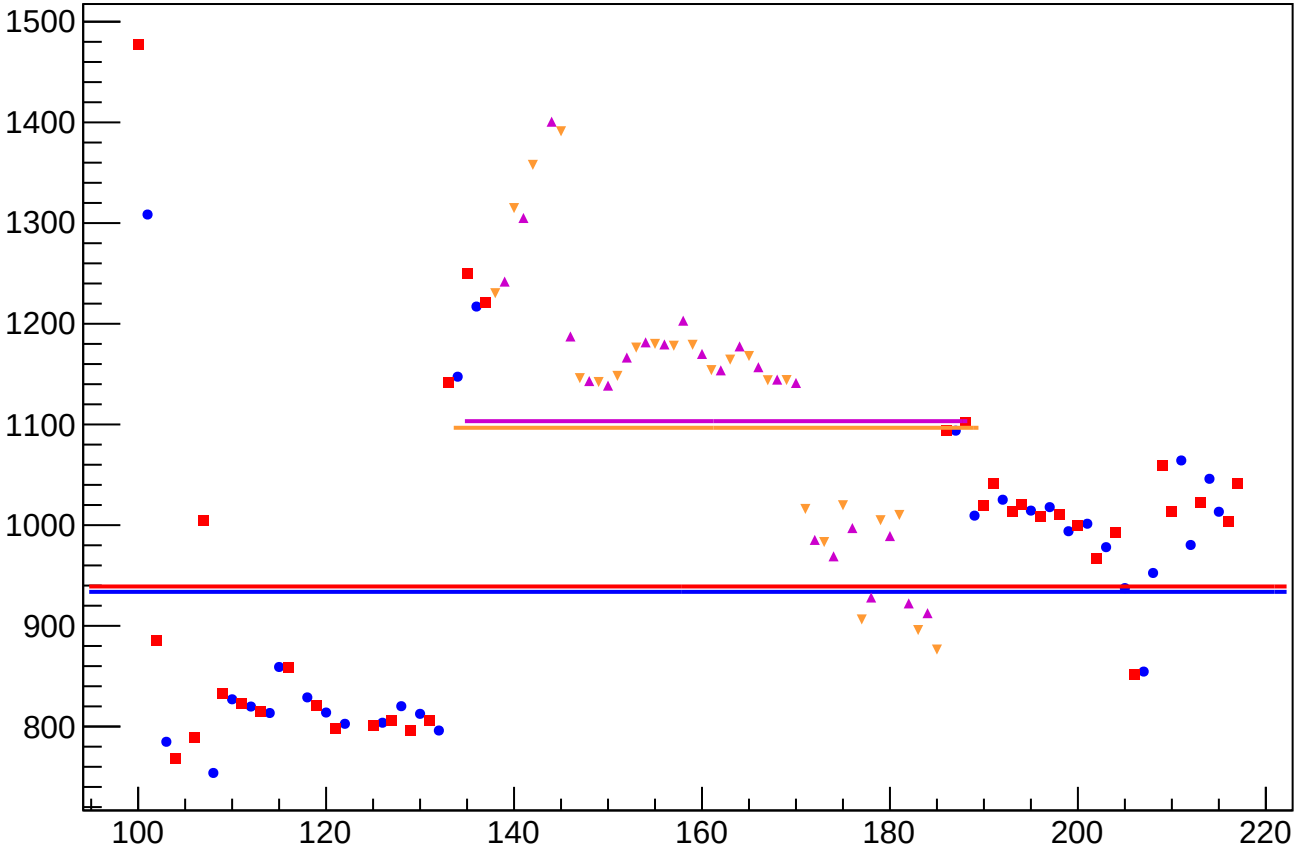
Right: -68.122+/-150.013 χ^2/NDF: 54.8/65

In: -176.993+/-165.325 χ^2/NDF:39.7/53

Out: 137.107+/-162.348 χ^2/NDF:80.3/58

All: -17.089+/-115.835 χ^2/NDF: 121.8/112

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 933.754+/-0.152 χ^2/NDF: 645166.0/30

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 939.098+/-0.148 χ^2/NDF: 623186.5/34

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

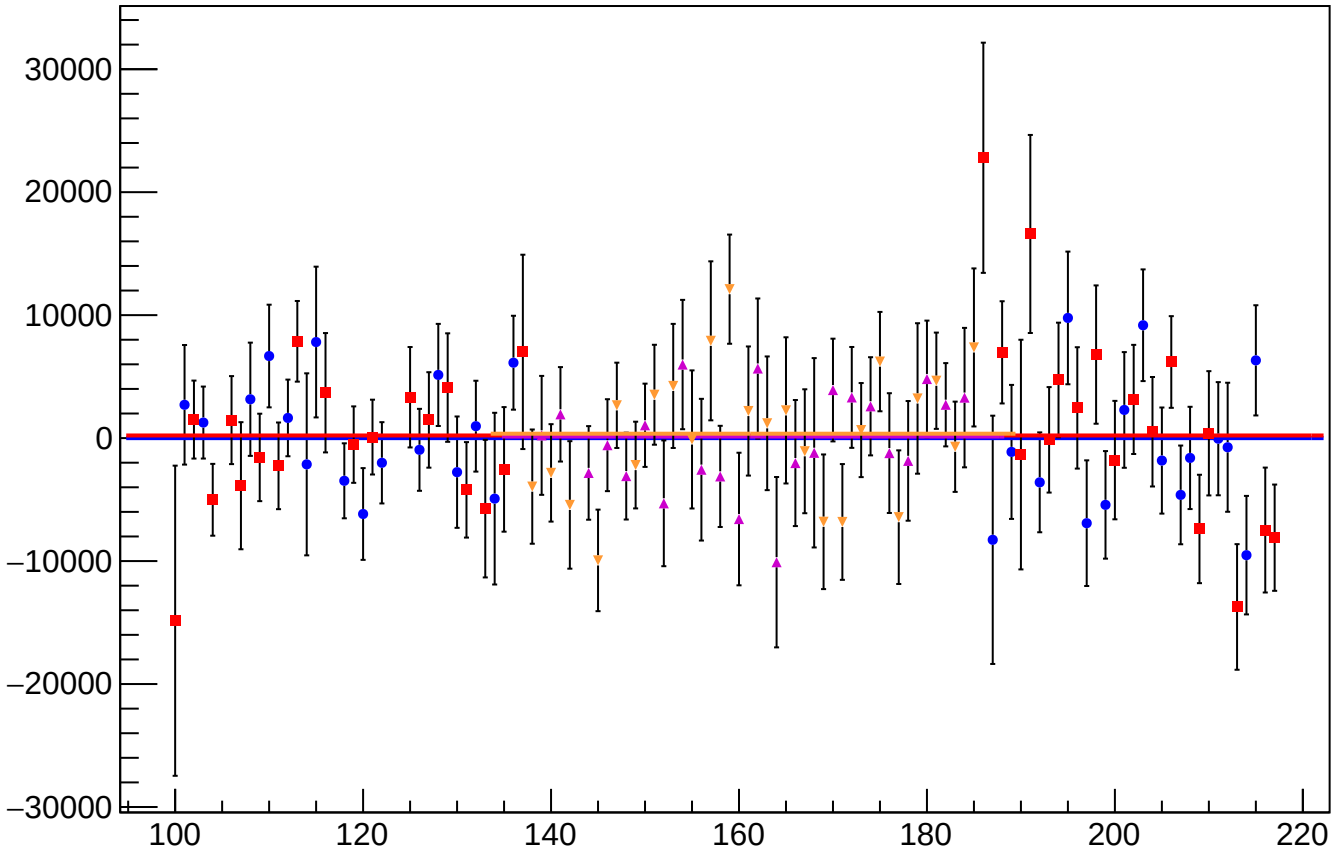
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 936.493+/-0.106 χ^2/NDF: 1268988.1/65

In: 1002.661+/-0.117 χ^2/NDF:1600043.3/53

Out: 1002.156+/-0.115 χ^2/NDF:1557324.3/58

All: 1002.404+/-0.082 χ^2/NDF: 3157377.1/11



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: 214.171+/-728.752 χ^2/NDF: 52.0/34

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

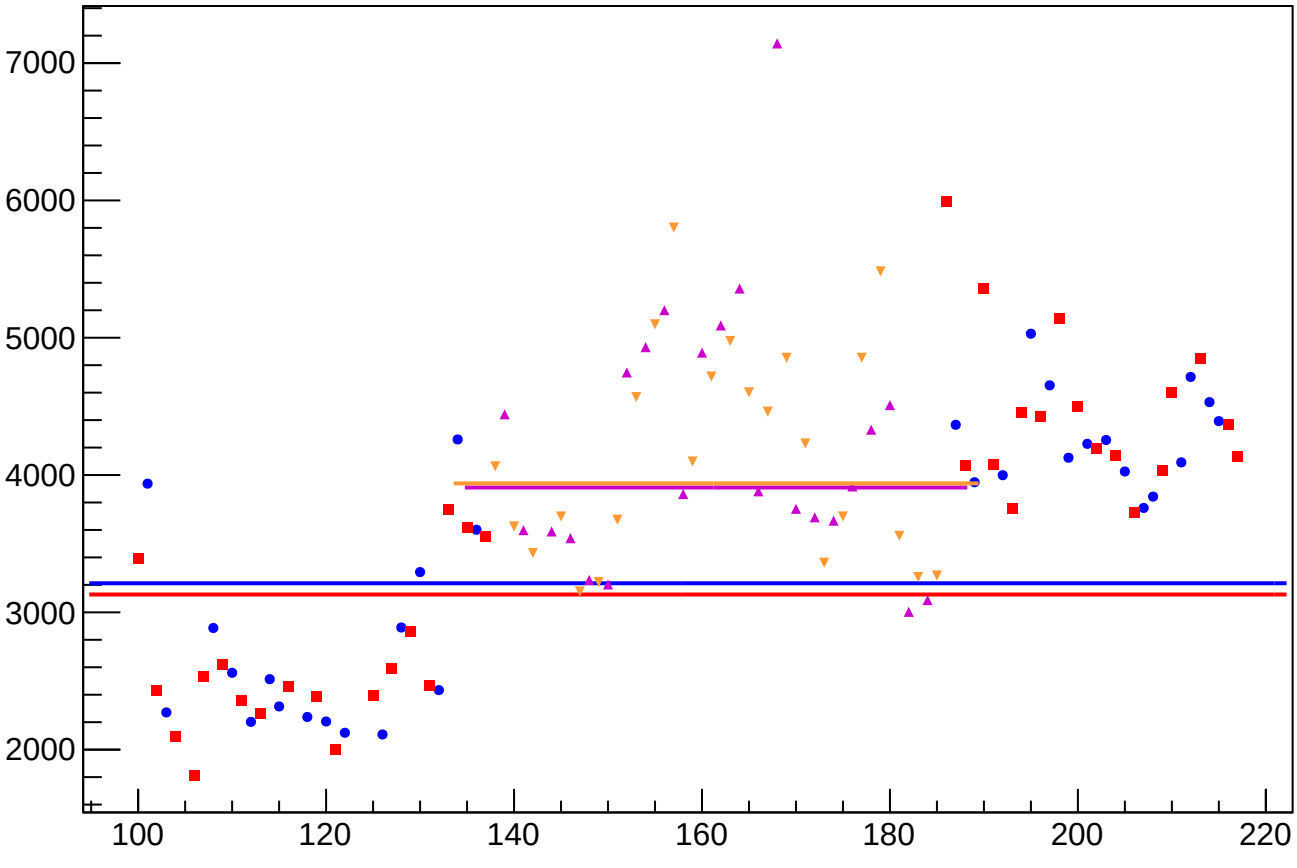
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 110.693+/-527.247 χ^2/NDF: 87.1/65

In: 49.060+/-590.903 χ^2/NDF:48.8/53

Out: 268.479+/-574.605 χ^2/NDF:82.3/58

All: 161.837+/-411.949 χ^2/NDF: 131.2/112



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: 3129.854+/-0.515 χ^2/NDF: 3738841.5/34

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

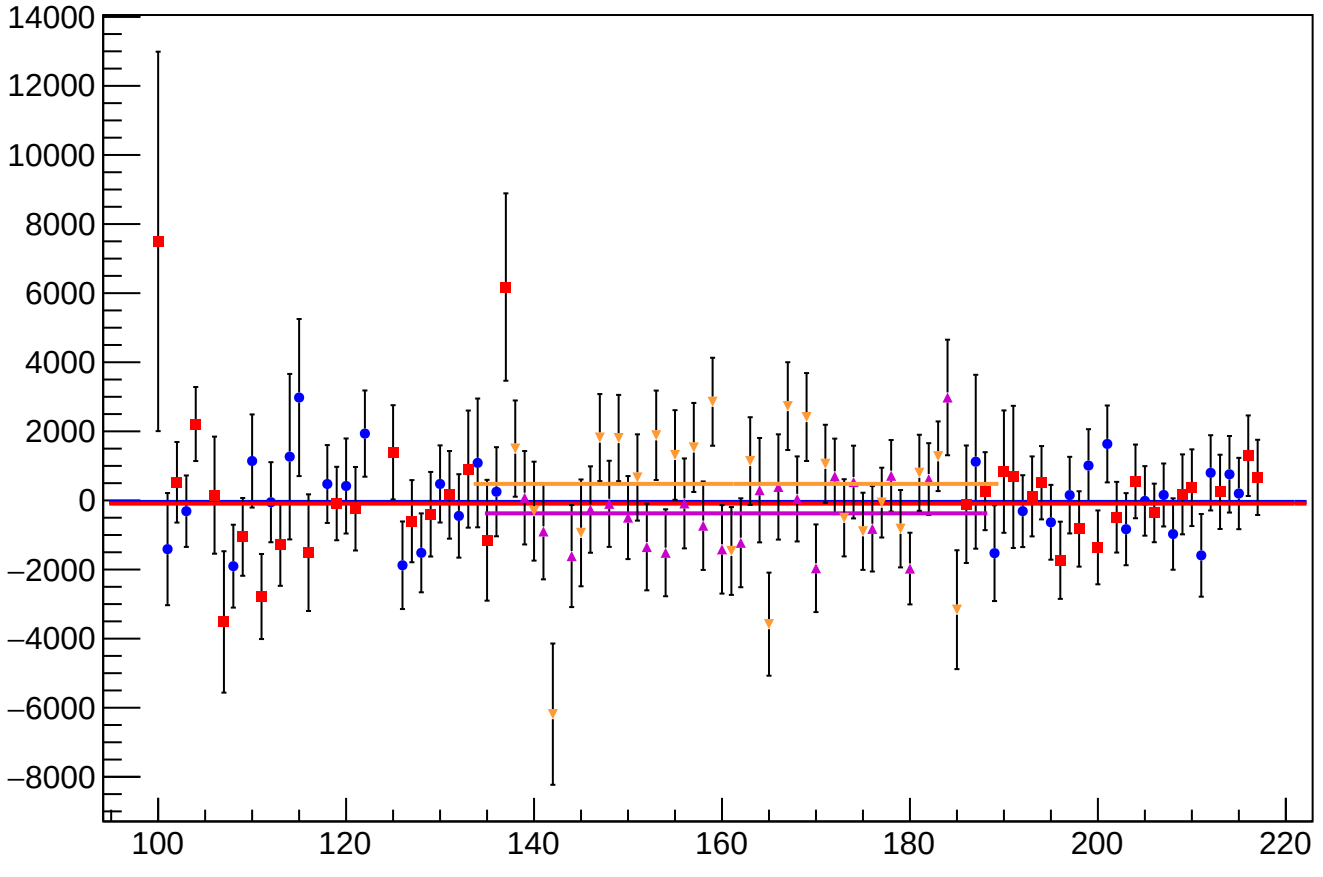
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3168.887+/-0.373 χ^2/NDF: 6774148.9/65

In: 3491.699+/-0.418 χ^2/NDF:4993382.7/53

Out: 3436.057+/-0.406 χ^2/NDF:5764857.5/58

All: 3463.100+/-0.291 χ^2/NDF: 10767355.1/1



Right In: -42.829+/-214.594 χ^2/NDF: 22.7/30

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -92.294+/-209.789 χ^2/NDF: 32.1/34

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

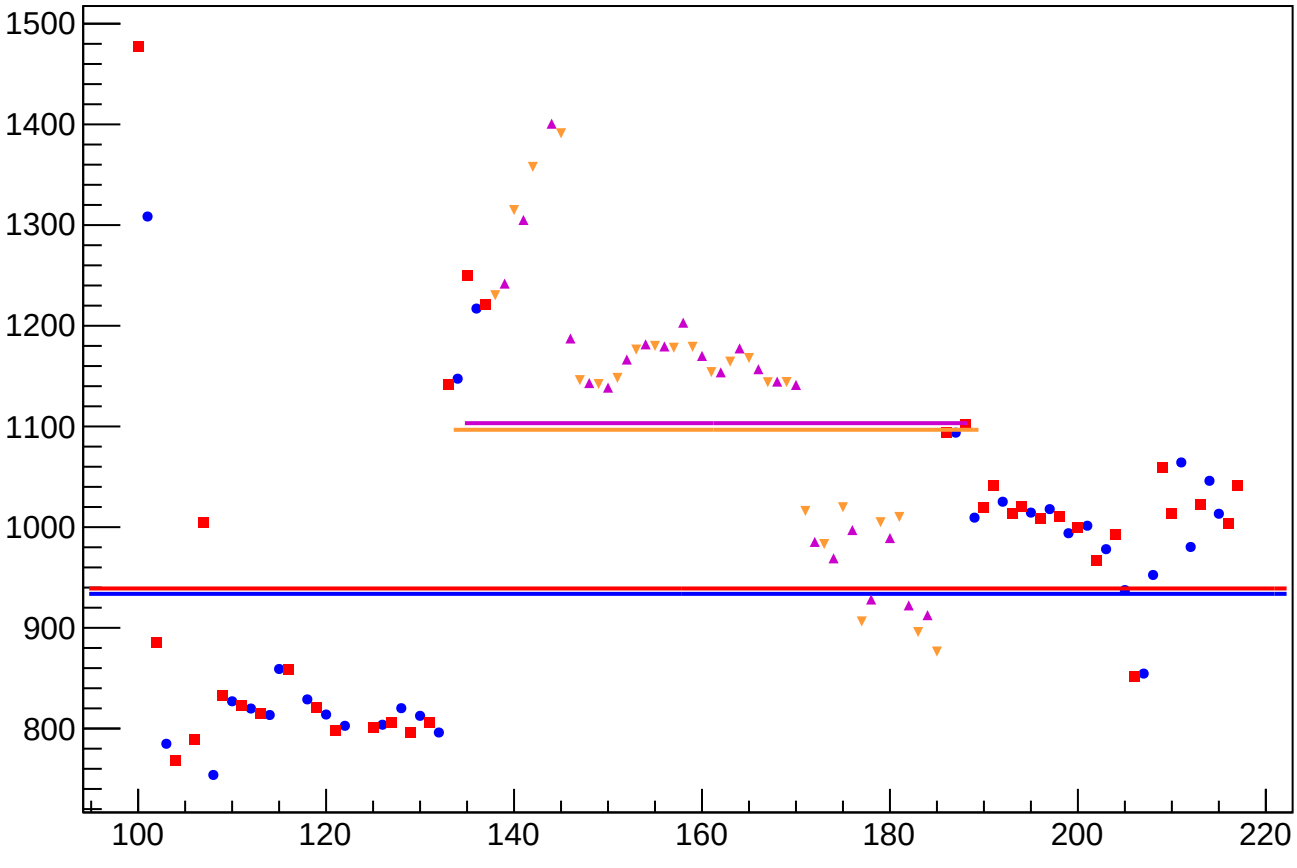
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -68.122+/-150.013 χ^2/NDF: 54.8/65

In: -176.993+/-165.325 χ^2/NDF:39.7/53

Out: 137.107+/-162.348 χ^2/NDF:80.3/58

All: -17.089+/-115.835 χ^2/NDF: 121.8/112



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: 939.098+/-0.148 χ^2/NDF: 623186.5/34

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

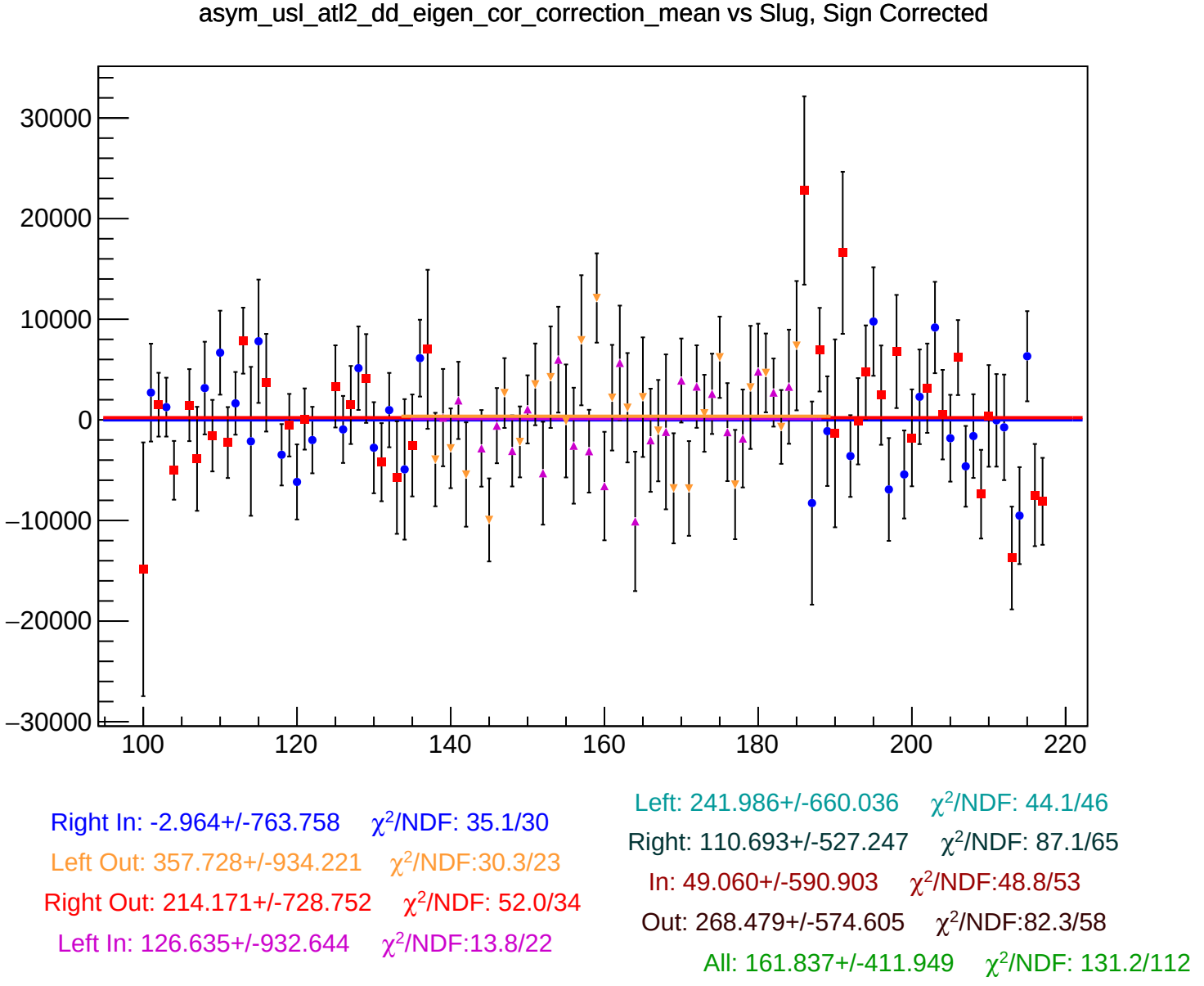
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

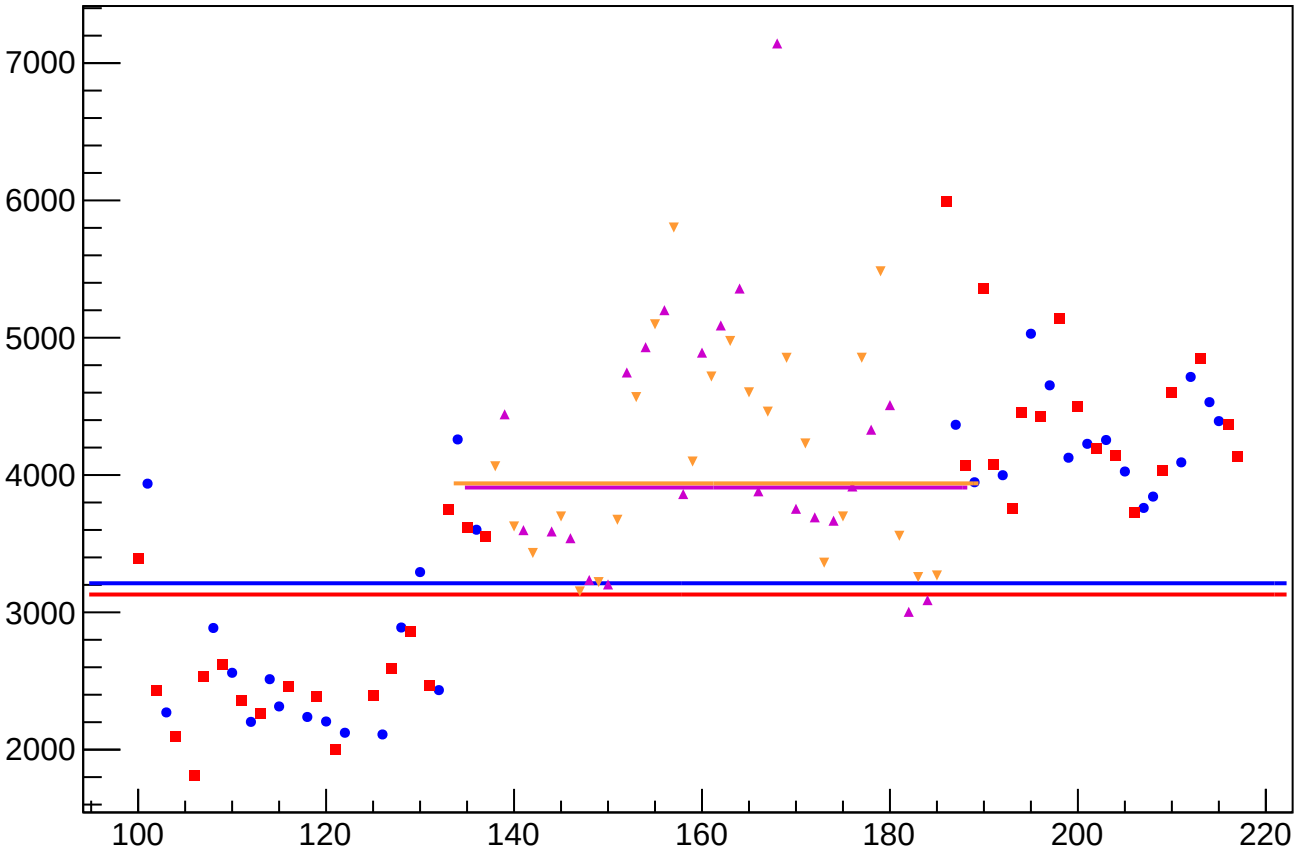
Right: 936.493+/-0.106 χ^2/NDF: 1268988.1/65

In: 1002.661+/-0.117 χ^2/NDF:1600043.3/53

Out: 1002.156+/-0.115 χ^2/NDF:1557324.3/58

All: 1002.404+/-0.082 χ^2/NDF: 3157377.1/11


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: -2.964+/-763.758 χ²/NDF: 35.1/30
Left Out: 357.728+/-934.221 χ²/NDF:30.3/23
Right Out: 214.171+/-728.752 χ²/NDF: 52.0/34
Left In: 126.635+/-932.644 χ²/NDF:13.8/22
Left: 241.986+/-660.036 χ²/NDF: 44.1/46
Right: 110.693+/-527.247 χ²/NDF: 87.1/65
In: 49.060+/-590.903 χ²/NDF:48.8/53
Out: 268.479+/-574.605 χ²/NDF:82.3/58
All: 161.837+/-411.949 χ²/NDF: 131.2/112


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
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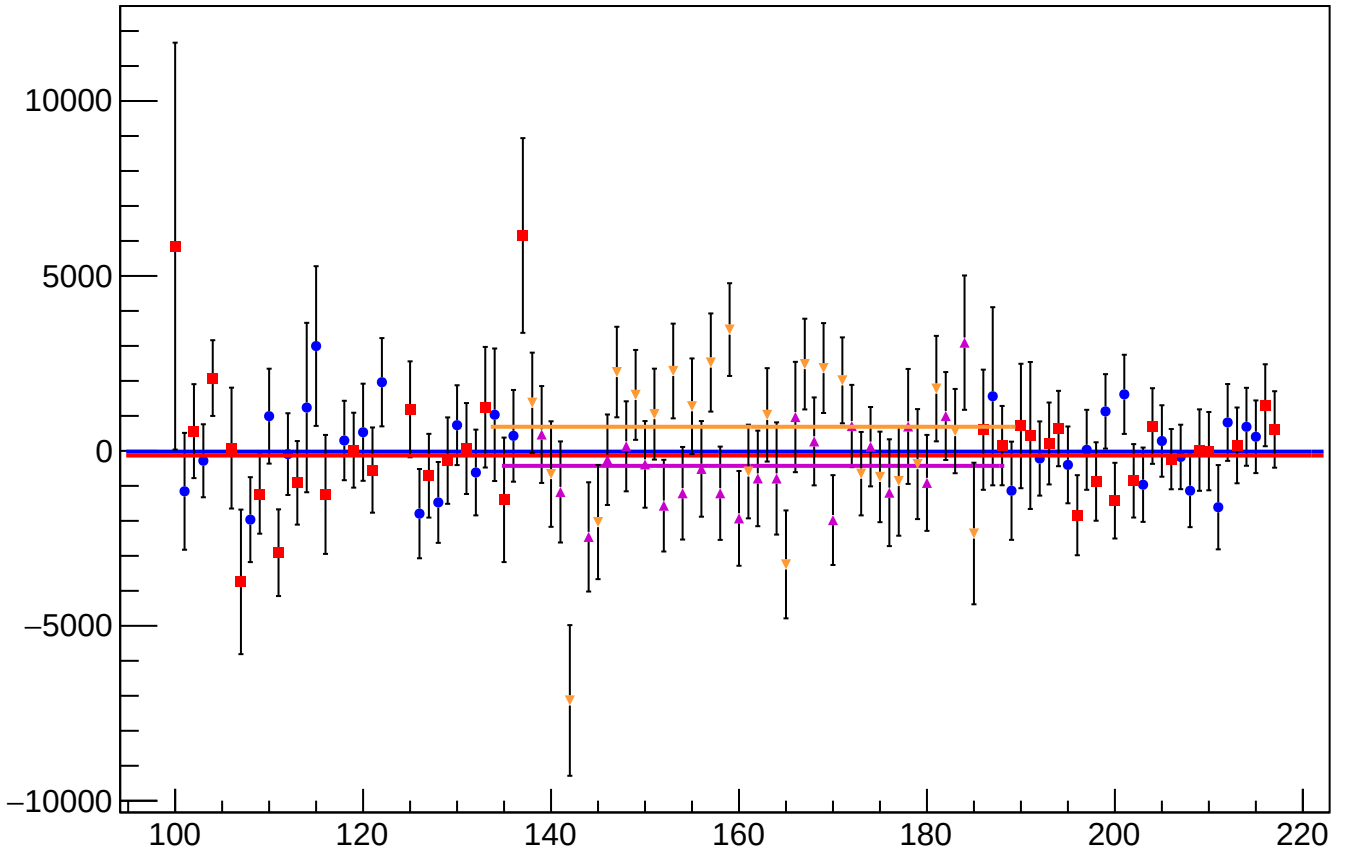
3000
2000
100
120
140
160
180
200
220
Right In: 3211.761+/-0.540 χ²/NDF: 3023267.5/30
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 3129.854+/-0.515 χ²/NDF: 3738841.5/34
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 3168.887+/-0.373 χ²/NDF: 6774148.9/65
In: 3491.699+/-0.418 χ²/NDF:4993382.7/53
Out: 3436.057+/-0.406 χ²/NDF:5764857.5/58
All: 3463.100+/-0.291 χ²/NDF: 10767355.1/1



Right In: -21.483+/-217.251 χ^2/NDF: 22.4/30

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -133.740+/-213.078 χ^2/NDF: 31.4/34

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

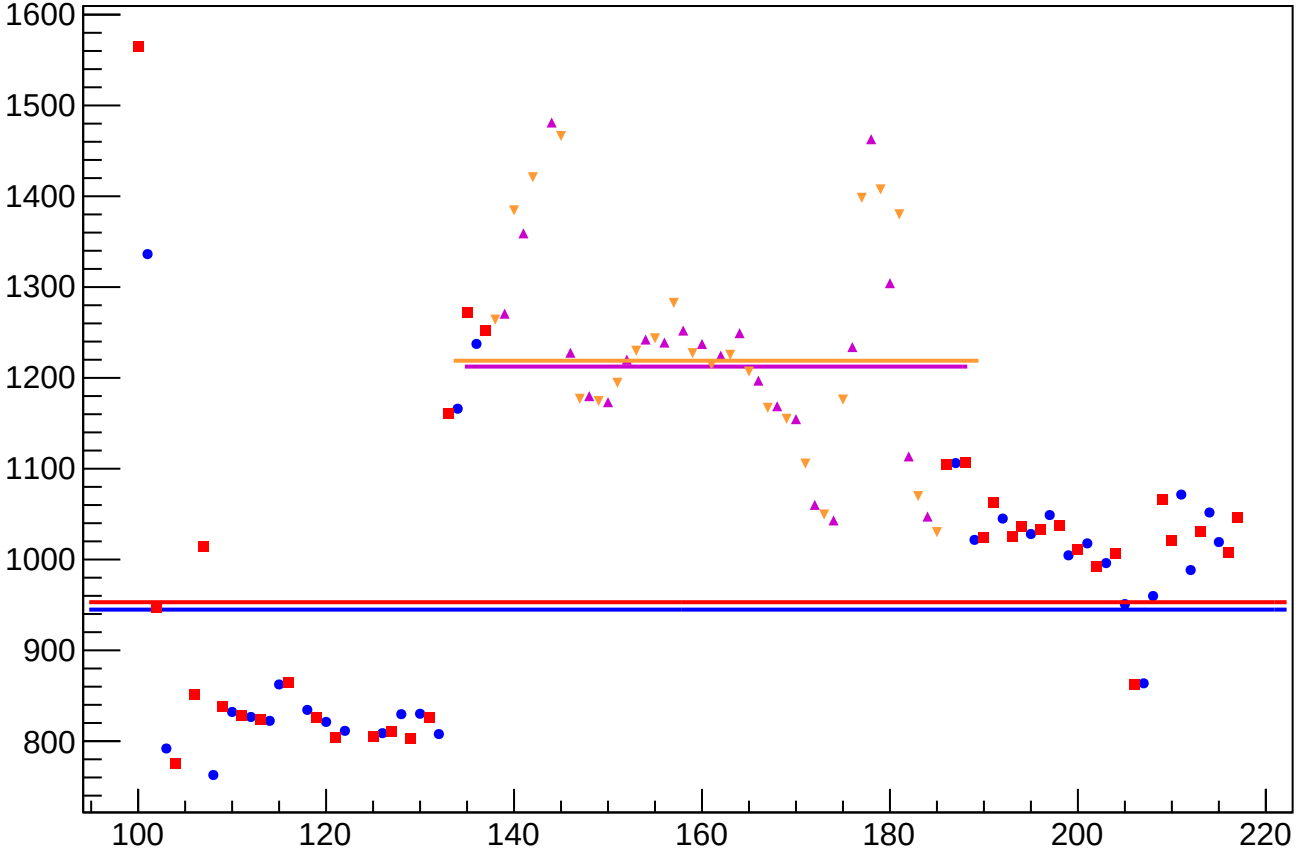
Right: -78.700+/-152.123 χ^2/NDF: 53.9/65

In: -171.315+/-172.639 χ^2/NDF:38.3/53

Out: 162.099+/-170.524 χ^2/NDF:82.5/58

All: -2.553+/-121.319 χ^2/NDF: 122.7/112

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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: 953.008+/-0.151 χ^2/NDF: 621532.4/34

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

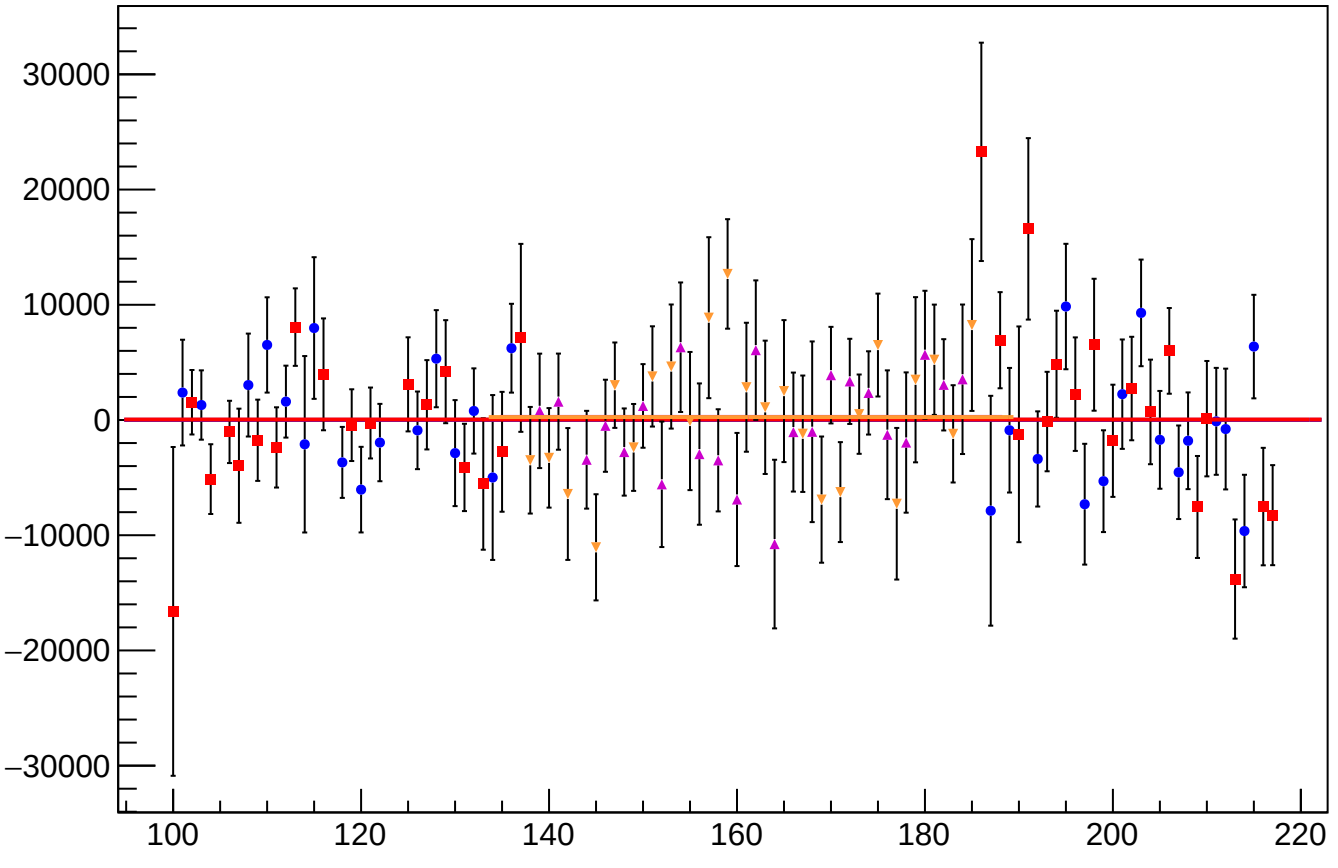
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 949.005+/-0.108 χ^2/NDF: 1284138.0/65

In: 1043.461+/-0.122 χ^2/NDF:2039822.9/53

Out: 1048.565+/-0.121 χ^2/NDF:2035703.9/58

All: 1046.045+/-0.086 χ^2/NDF: 4076412.2/11



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: 38.253+/-715.909 χ^2/NDF: 52.0/34

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

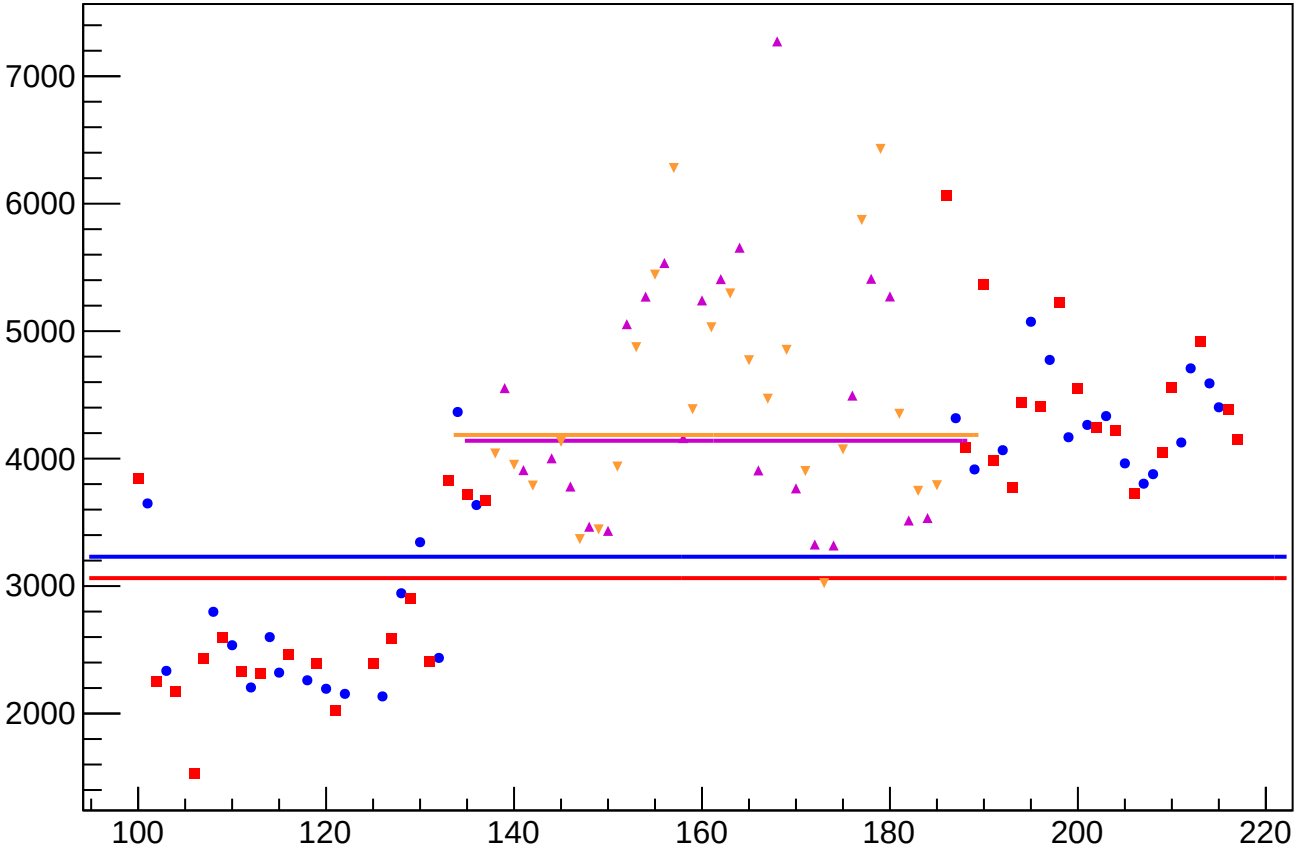
Right: 25.294+/-523.808 χ^2/NDF: 86.8/65

In: 106.552+/-607.046 χ^2/NDF:48.3/53

Out: 111.423+/-581.151 χ^2/NDF:81.7/58

All: 109.093+/-419.792 χ^2/NDF: 130.0/112

asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3230.234+/-0.543 χ^2/NDF: 2999267.3/30

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 3062.401+/-0.506 χ^2/NDF: 4273055.0/34

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

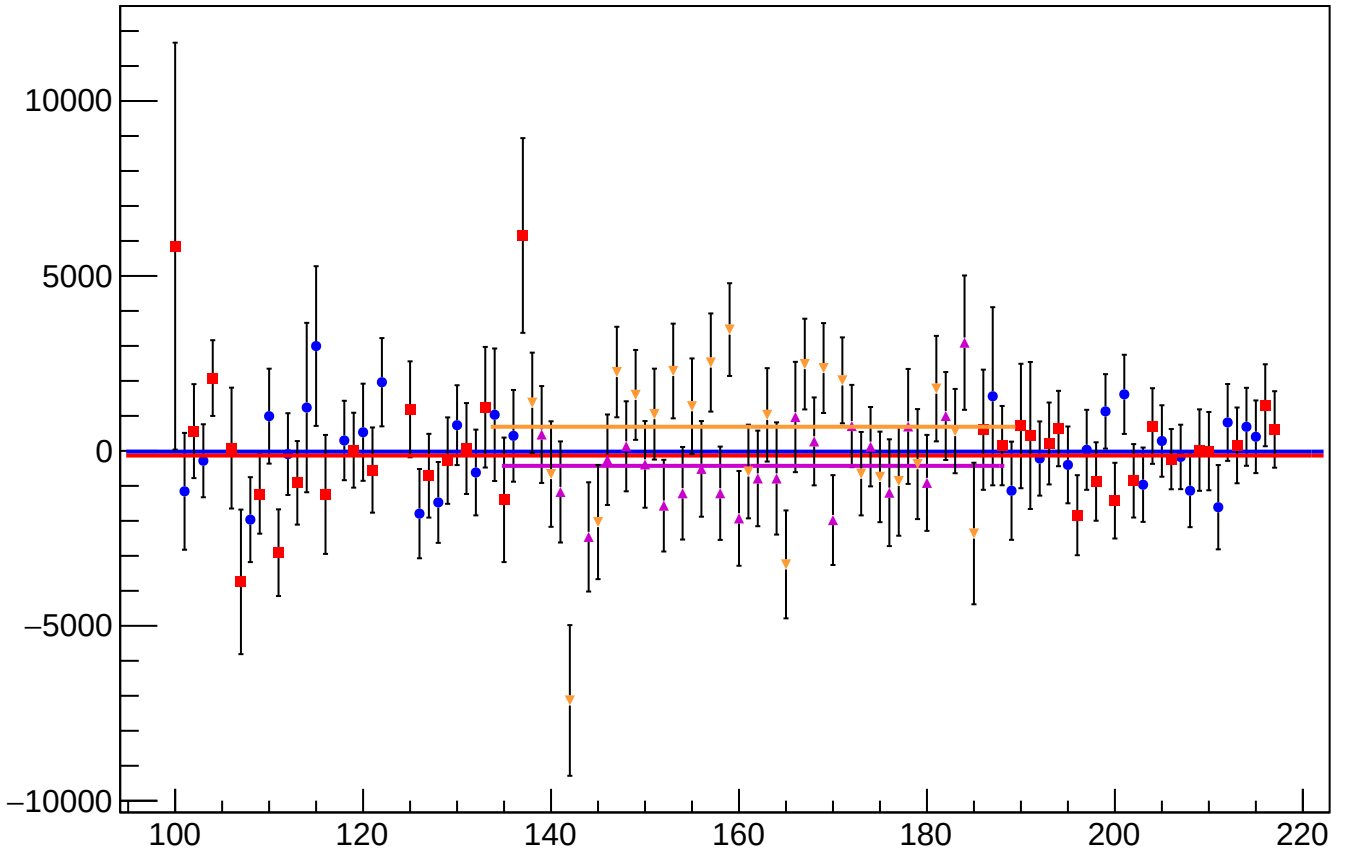
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 3140.387+/-0.370 χ^2/NDF: 7323396.5/65

In: 3572.256+/-0.429 χ^2/NDF:5503173.4/53

Out: 3445.472+/-0.411 χ^2/NDF:7223381.8/58

All: 3506.102+/-0.297 χ^2/NDF: 12772075.6/1



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: -133.740+/-213.078 χ^2/NDF: 31.4/34

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

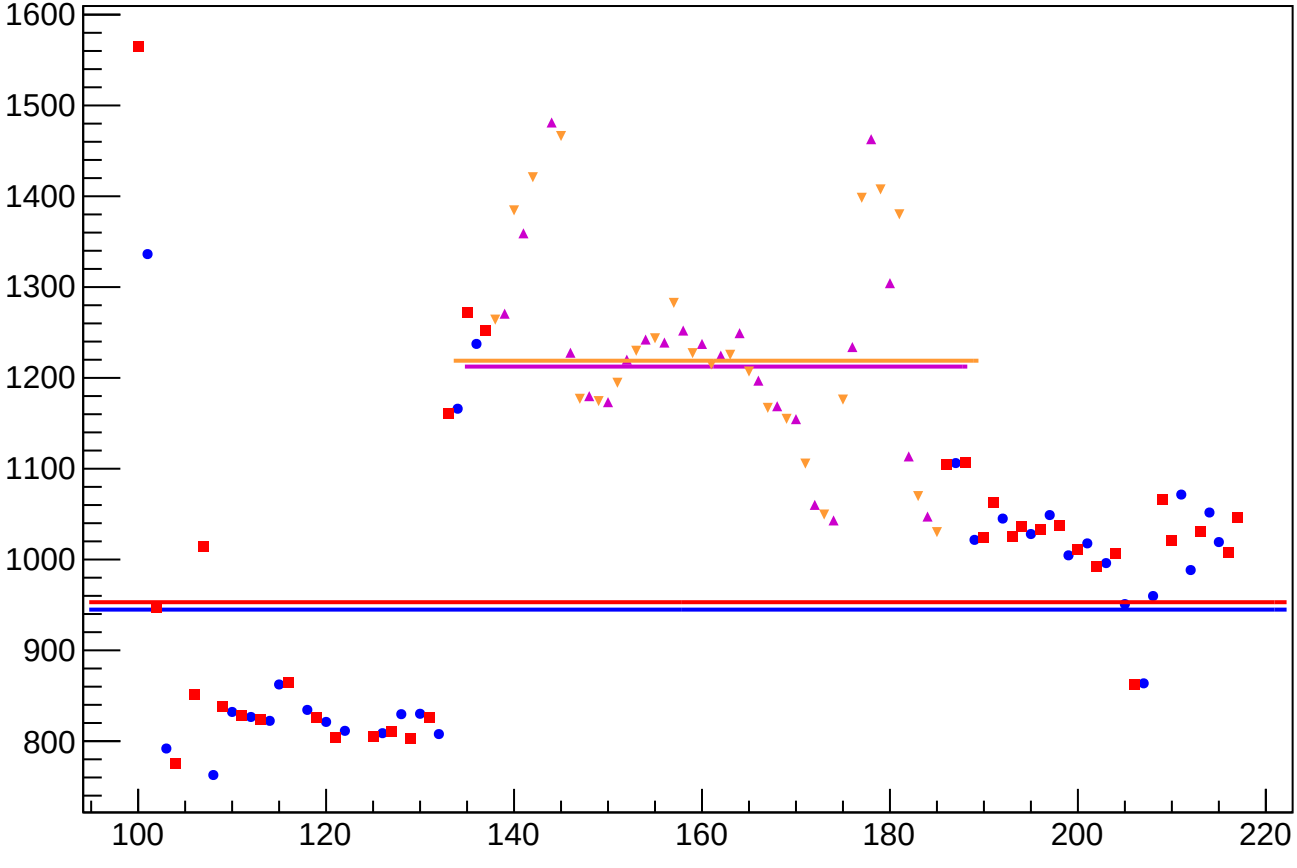
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -78.701+/-152.123 χ^2/NDF: 53.9/65

In: -171.315+/-172.639 χ^2/NDF:38.3/53

Out: 162.099+/-170.524 χ^2/NDF:82.5/58

All: -2.553+/-121.319 χ^2/NDF: 122.7/112



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: 953.008+/-0.151 χ^2/NDF: 621532.7/34

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

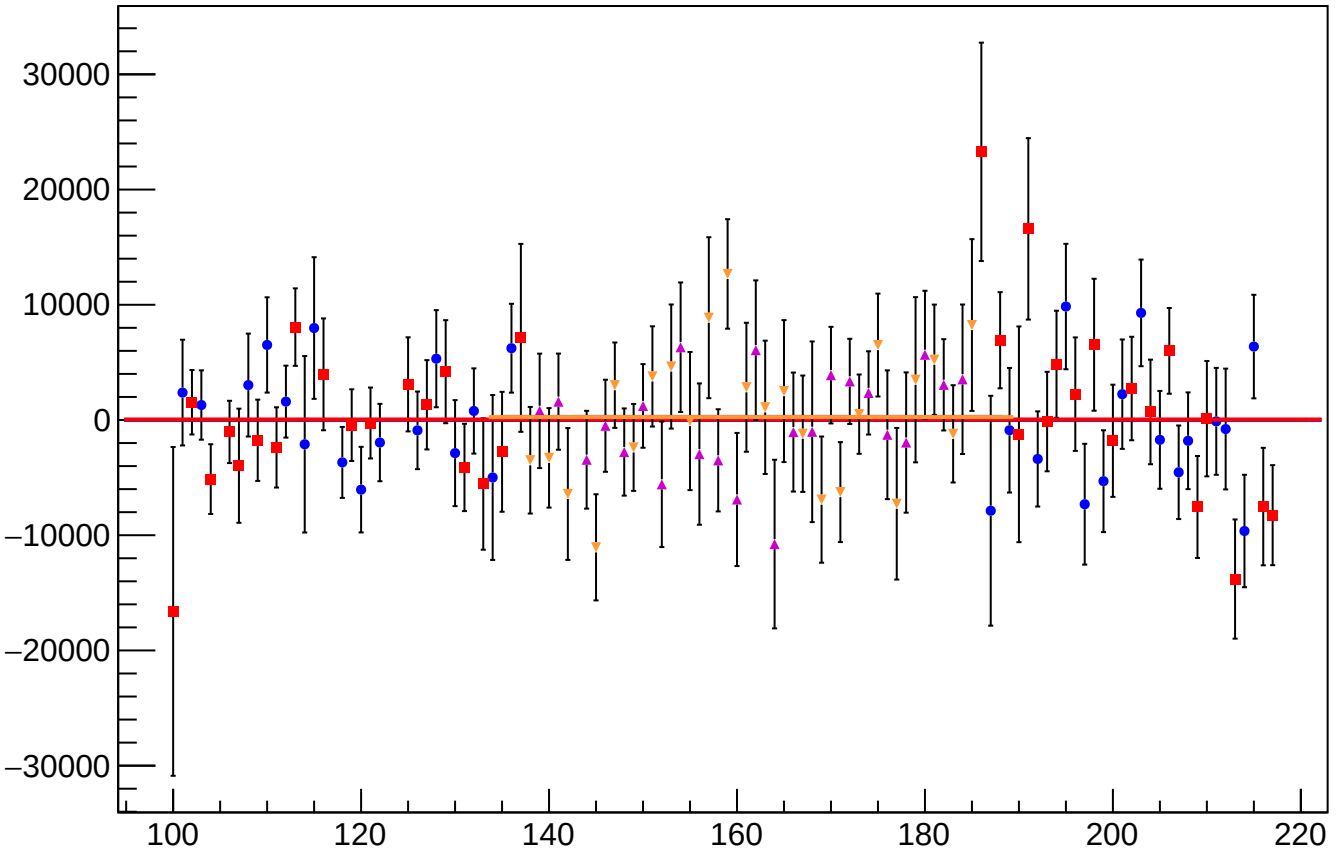
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 949.005+/-0.108 χ^2/NDF: 1284138.0/65

In: 1043.461+/-0.122 χ^2/NDF:2039839.0/53

Out: 1048.566+/-0.121 χ^2/NDF:2035722.2/58

All: 1046.045+/-0.086 χ^2/NDF: 4076446.6/11



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: 38.250+/-715.908 χ^2/NDF: 52.0/34

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

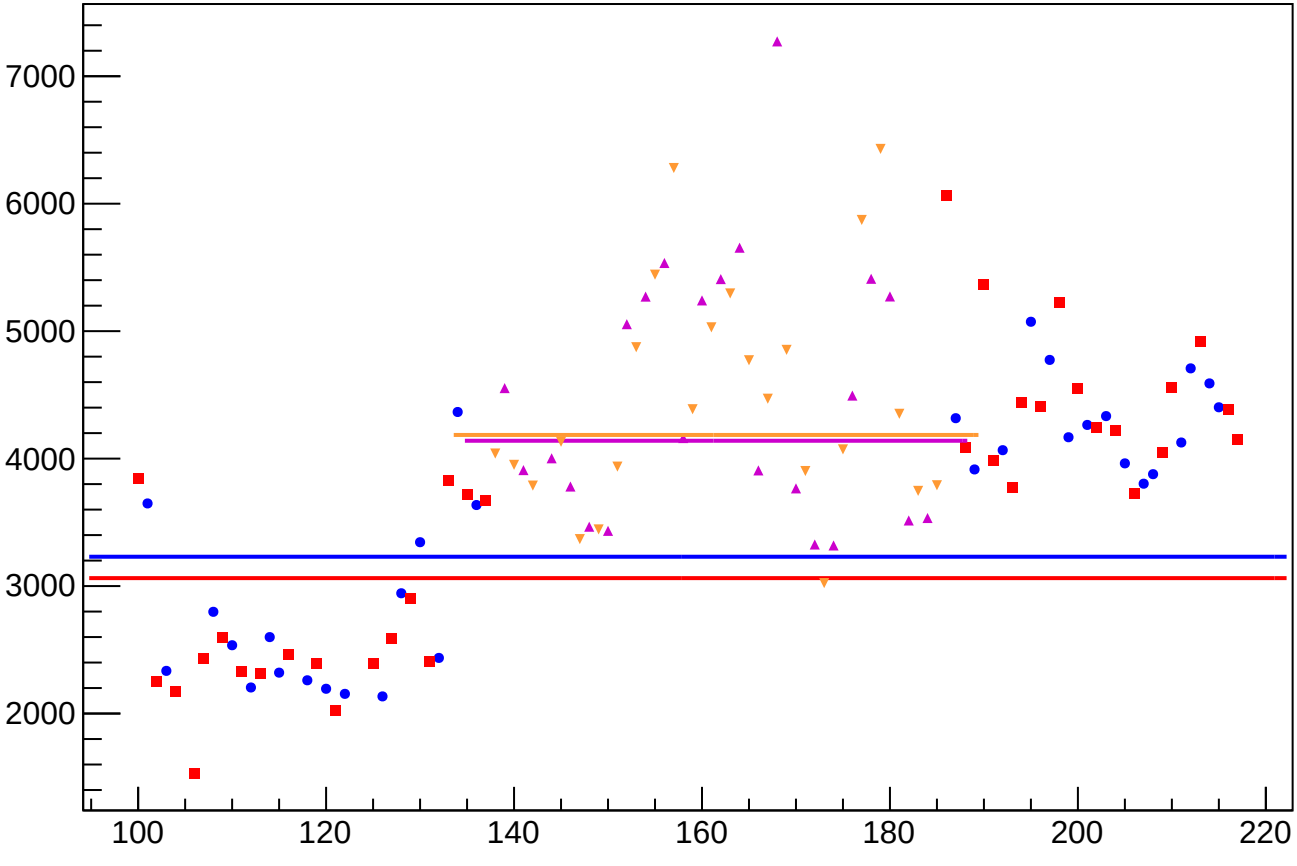
Right: 25.291+/-523.807 χ^2/NDF: 86.8/65

In: 106.551+/-607.046 χ^2/NDF:48.3/53

Out: 111.421+/-581.150 χ^2/NDF:81.7/58

All: 109.092+/-419.792 χ^2/NDF: 130.0/112

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3230.228+/-0.543 χ^2/NDF: 2999323.6/30

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 3062.396+/-0.506 χ^2/NDF: 4273100.9/34

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

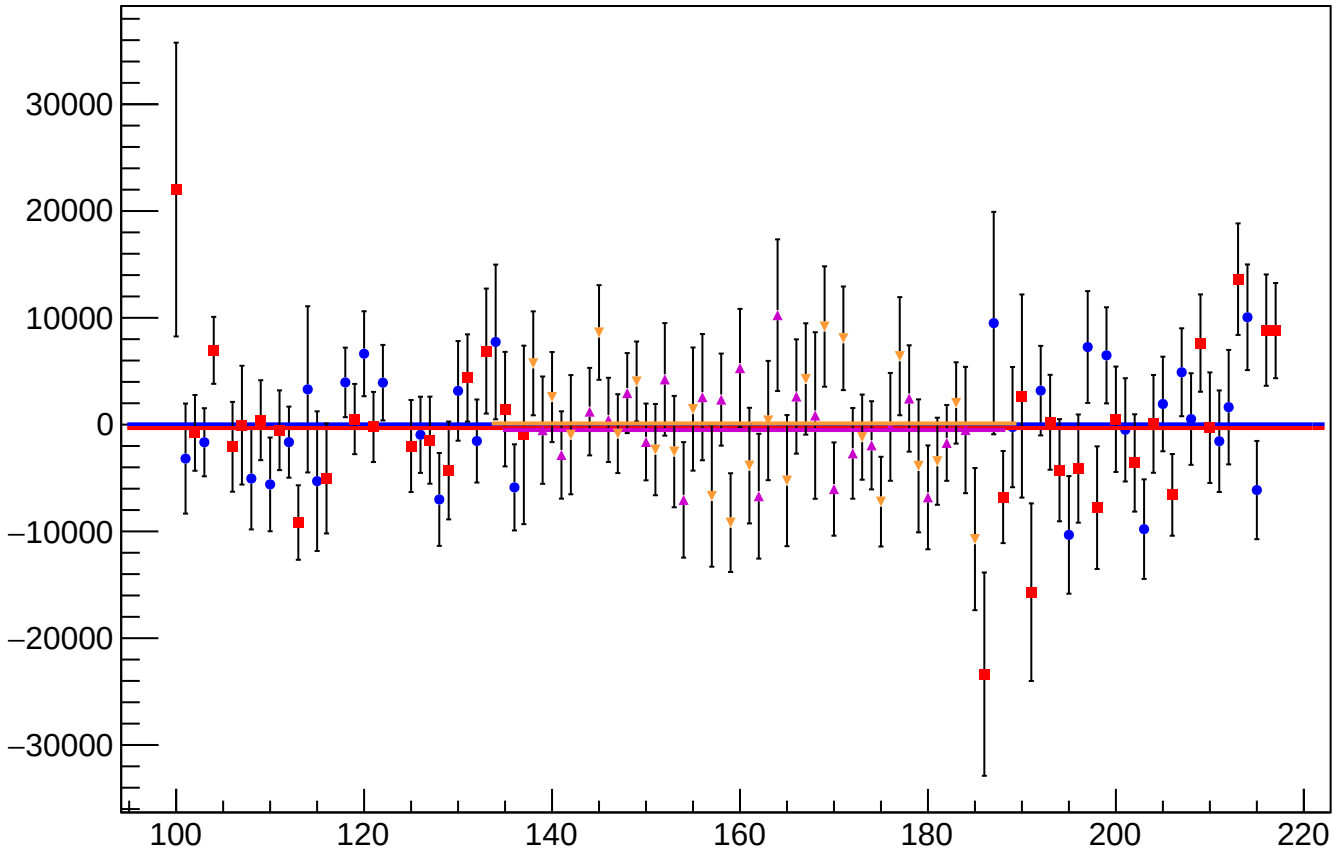
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 3140.381+/-0.370 χ^2/NDF: 7323499.1/65

In: 3572.254+/-0.429 χ^2/NDF:5503258.1/53

Out: 3445.469+/-0.411 χ^2/NDF:7223465.0/58

All: 3506.100+/-0.297 χ^2/NDF: 12772244.1/



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: -324.190+/-768.725 χ^2/NDF: 54.8/34

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

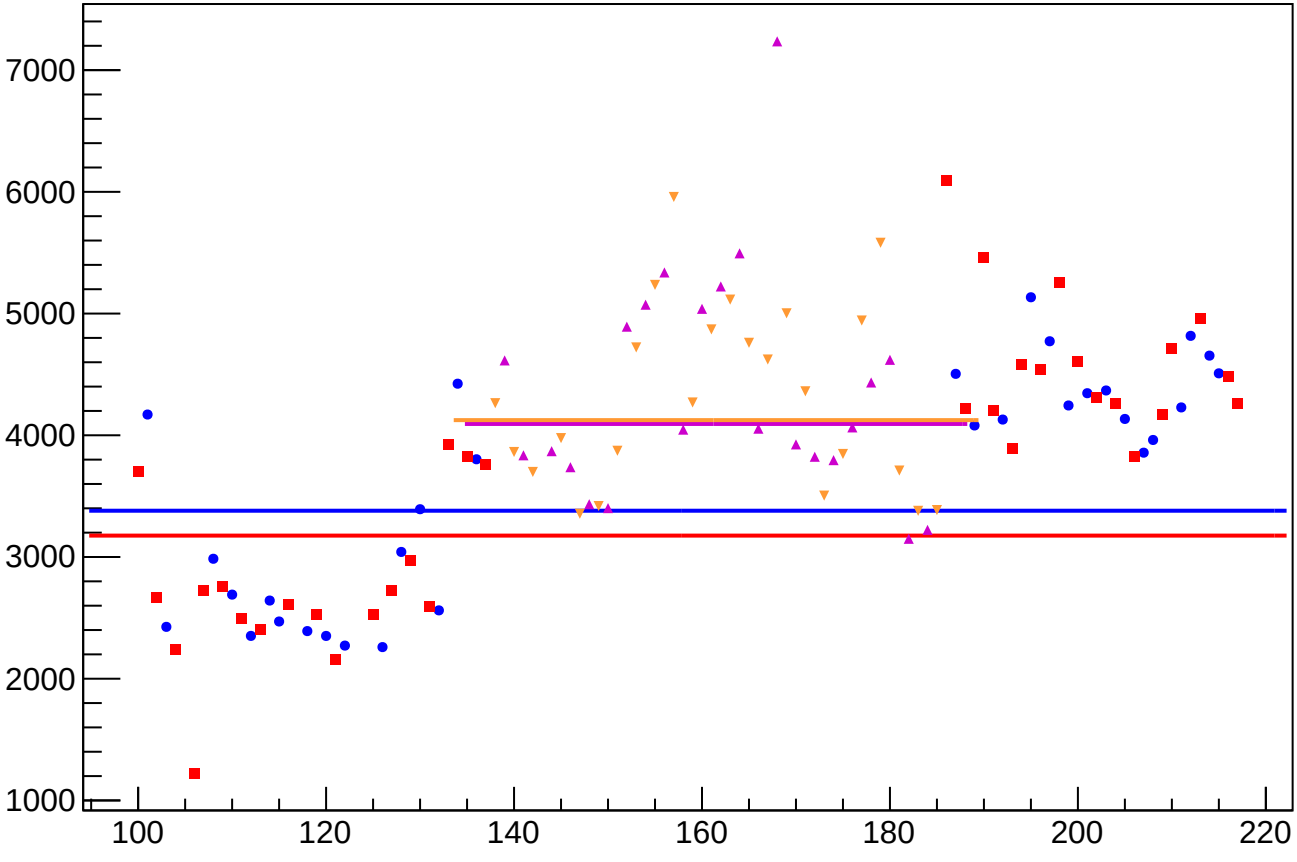
Right: -157.398+/-554.443 χ^2/NDF: 92.5/65

In: -191.159+/-618.449 χ^2/NDF:51.3/53

Out: -158.271+/-603.805 χ^2/NDF:83.0/58

All: -174.321+/-432.039 χ^2/NDF: 134.2/112

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: 3175.795+/-0.528 χ^2/NDF: 4399333.3/34

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

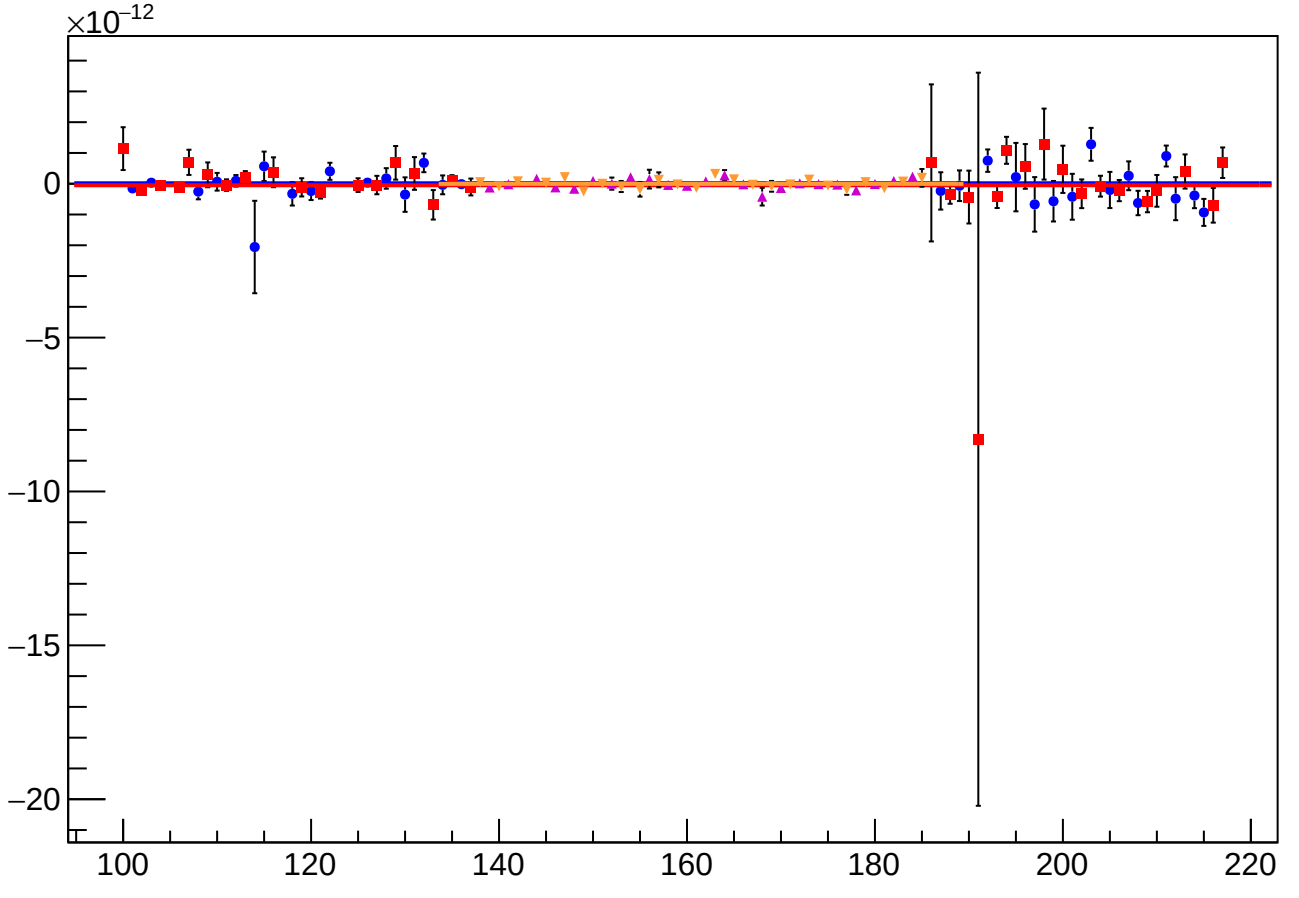
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3270.937+/-0.386 χ^2/NDF: 7170356.0/65

In: 3667.514+/-0.437 χ^2/NDF:4503452.3/53

Out: 3526.350+/-0.419 χ^2/NDF:6561632.6/58

All: 3593.973+/-0.303 χ^2/NDF: 11119369.7/1



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: 36.3/34

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

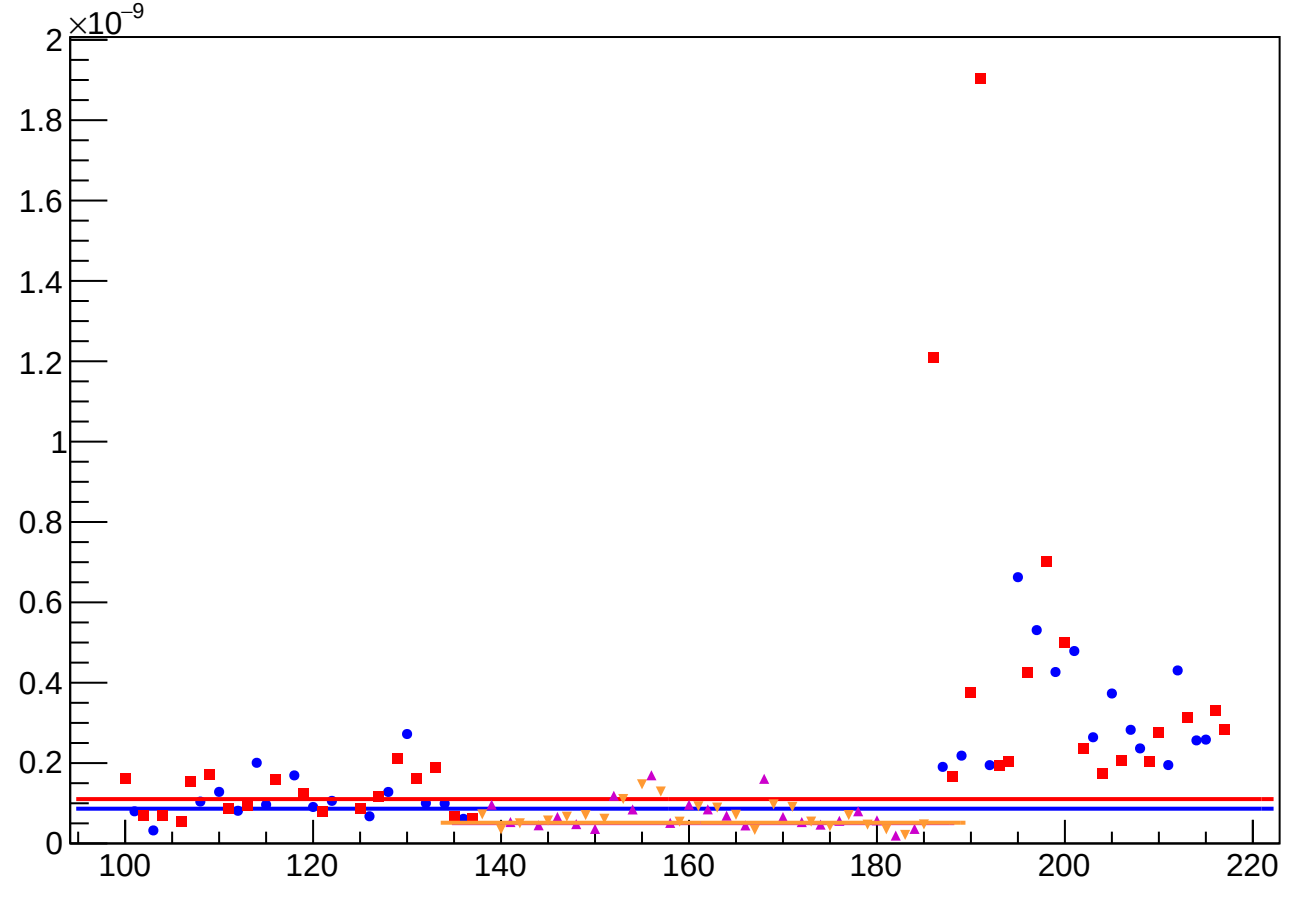
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 80.3/65

In: 0.000+/-0.000 χ^2/NDF:68.7/53

Out: -0.000+/-0.000 χ^2/NDF:61.2/58

All: 0.000+/-0.000 χ^2/NDF: 131.0/112



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: 5036893.1/34

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

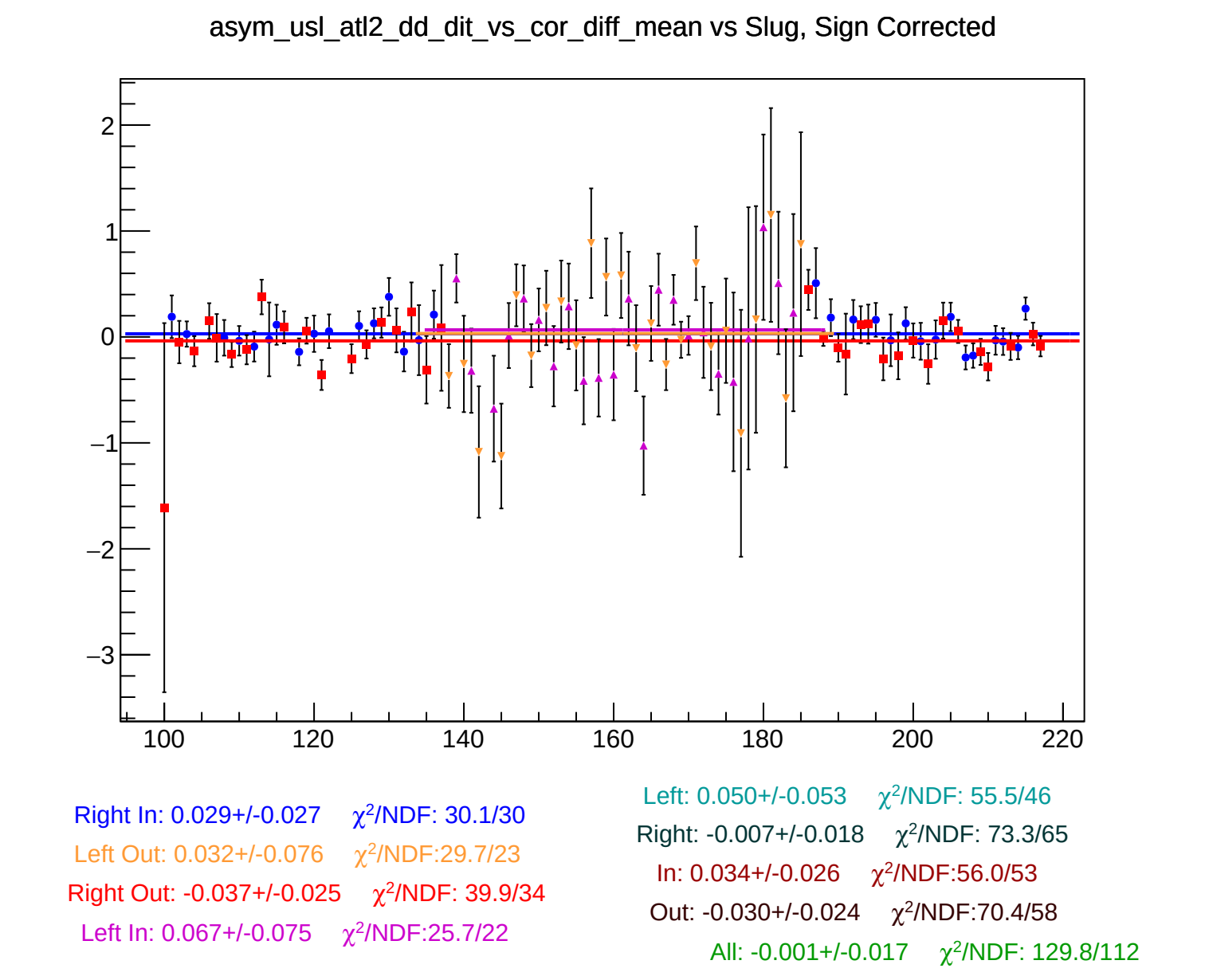
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

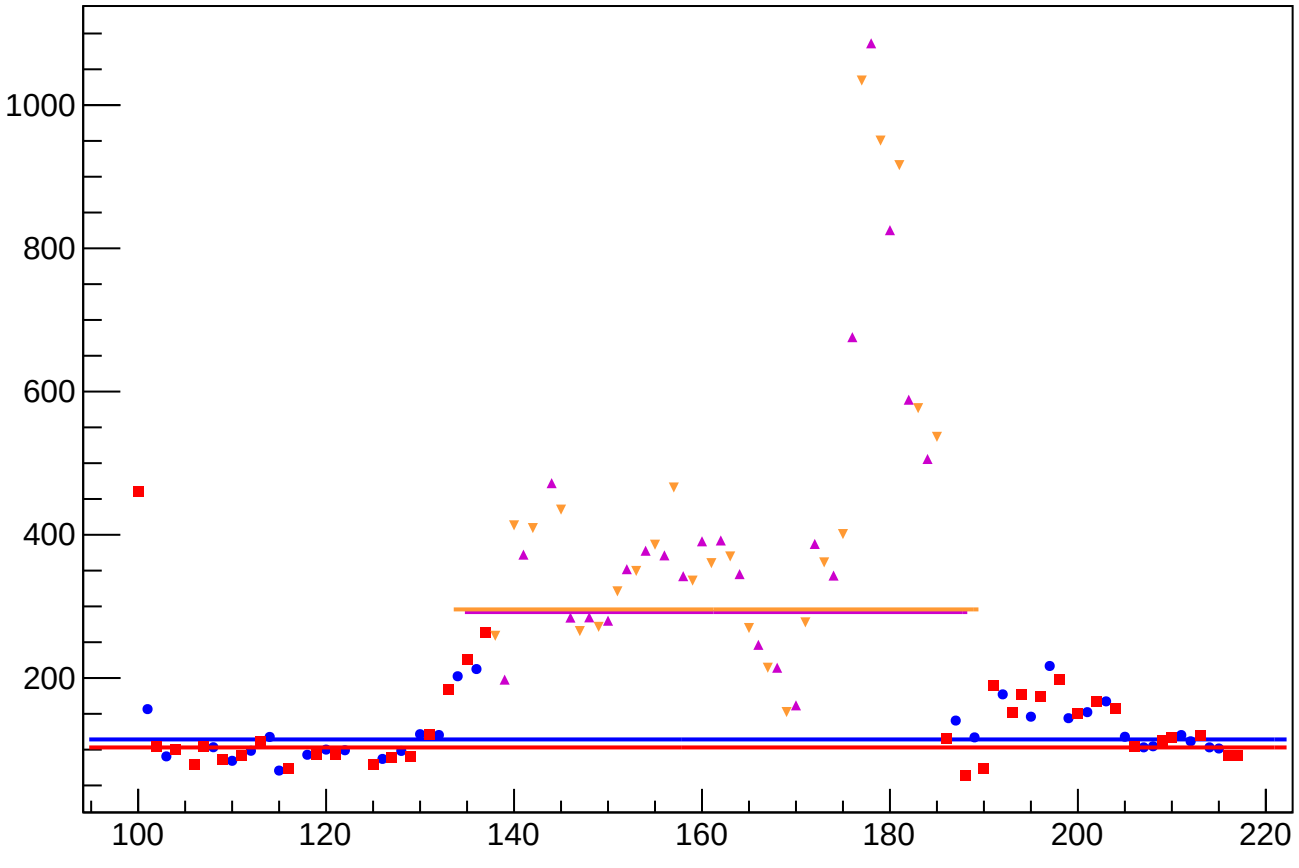
Right: 0.000+/-0.000 χ^2/NDF: 12190810.0/65

In: 0.000+/-0.000 χ^2/NDF:10470694.8/53

Out: 0.000+/-0.000 χ^2/NDF:9739178.9/58

All: 0.000+/-0.000 χ^2/NDF: 20240599.6/112


asym_usl_atl2_dd_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+/-0.027 χ²/NDF: 30.1/30
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.037+/-0.025 χ²/NDF: 39.9/34
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: -0.007+/-0.018 χ²/NDF: 73.3/65
In: 0.034+/-0.026 χ²/NDF:56.0/53
Out: -0.030+/-0.024 χ²/NDF:70.4/58
All: -0.001+/-0.017 χ²/NDF: 129.8/112



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: 103.060+/-0.017 χ^2/NDF: 3689131.9/34

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

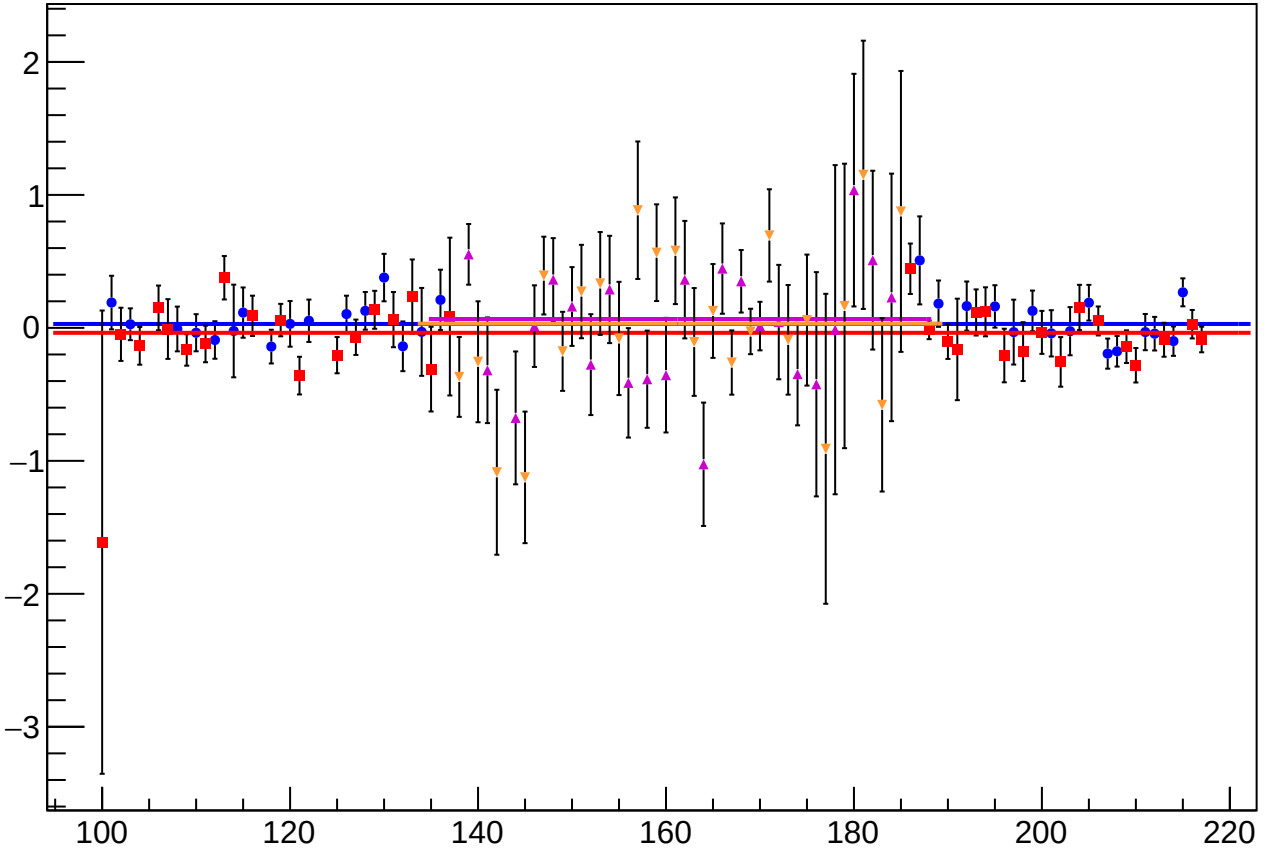
Right: 108.070+/-0.013 χ^2/NDF: 6094053.2/65

In: 135.421+/-0.018 χ^2/NDF:17259334.5/53

Out: 121.511+/-0.017 χ^2/NDF:20820147.9/58

All: 127.829+/-0.012 χ^2/NDF: 38397265.4/1

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.027 χ^2/NDF: 30.1/30

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

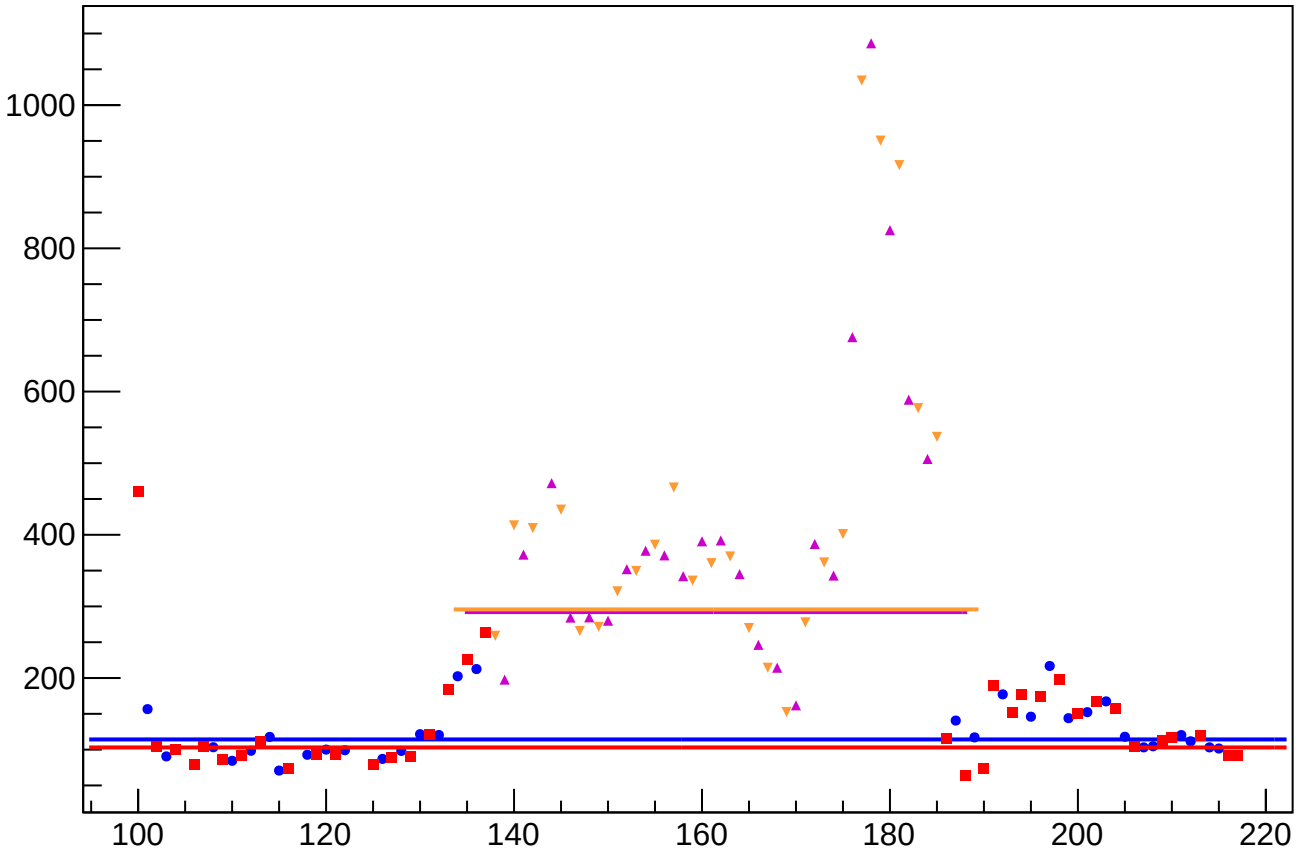
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.007+/-0.018 χ^2/NDF: 73.3/65

In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.030+/-0.024 χ^2/NDF:70.4/58

All: -0.001+/-0.017 χ^2/NDF: 129.8/112



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: 103.060+/-0.017 χ^2/NDF: 3689131.9/34

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

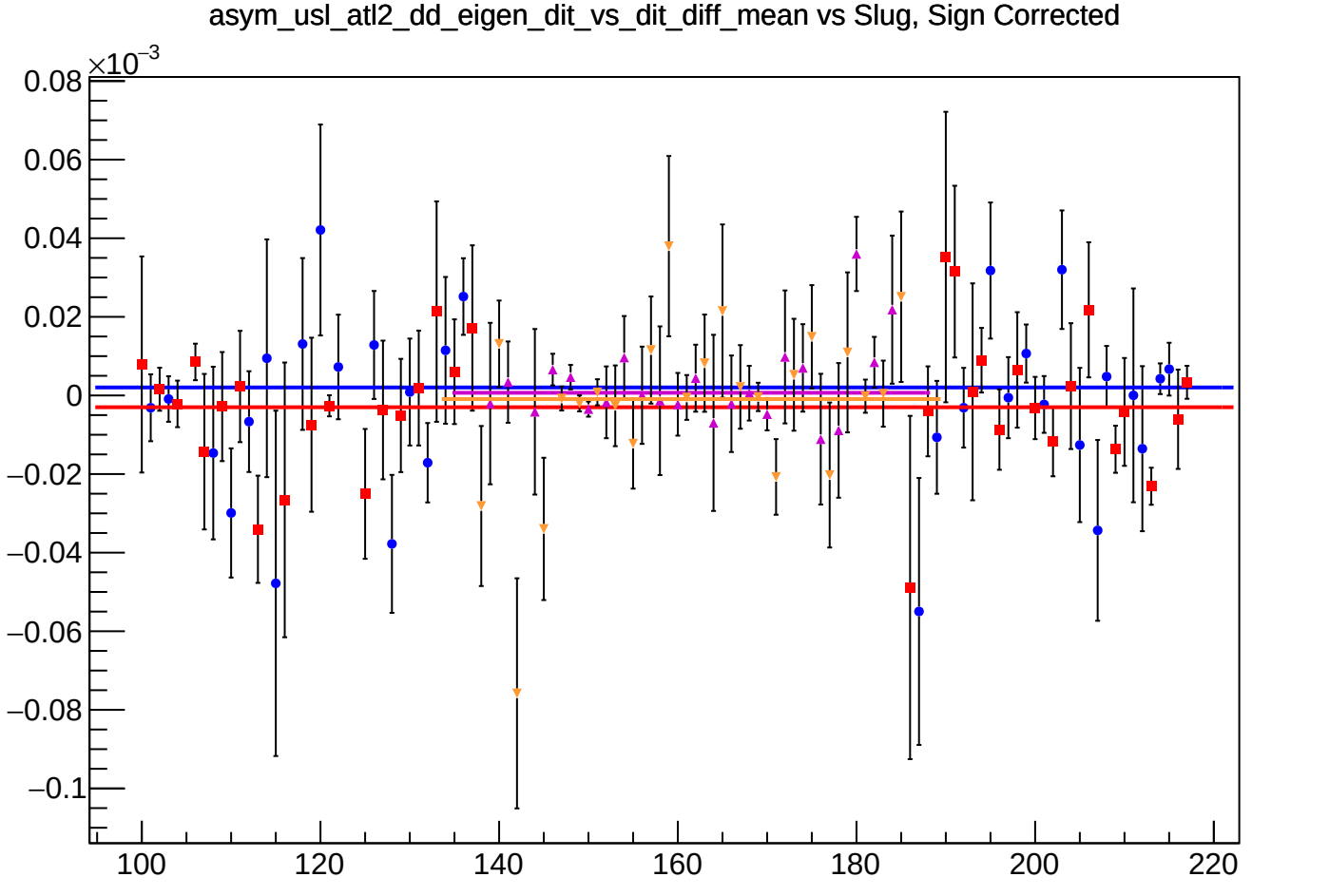
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 108.070+/-0.013 χ^2/NDF: 6094053.2/65

In: 135.421+/-0.018 χ^2/NDF:17259334.5/53

Out: 121.511+/-0.017 χ^2/NDF:20820147.9/58

All: 127.829+/-0.012 χ^2/NDF: 38397265.4/1



Right In: 0.000+/-0.000 χ^2/NDF: 41.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 51.7/34

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

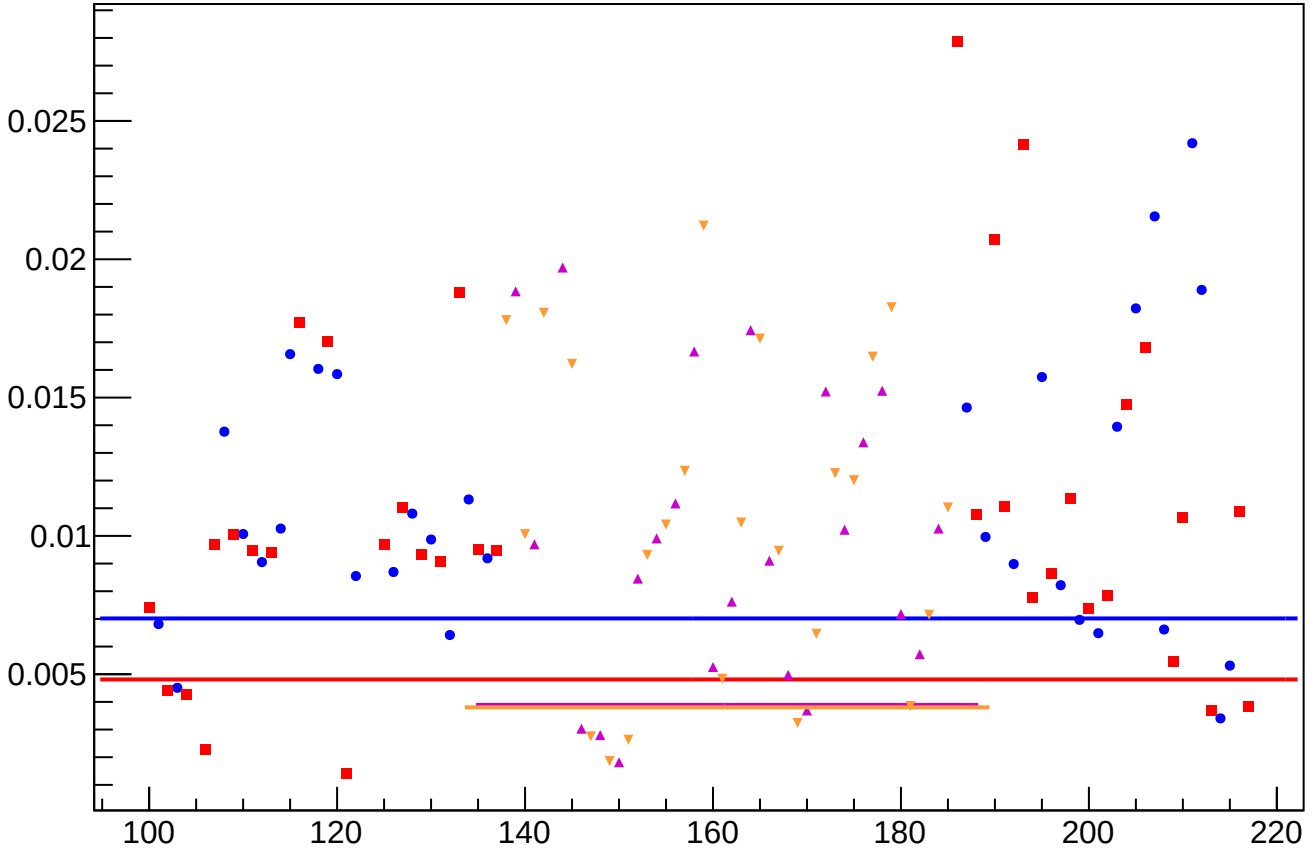
Right: -0.000+/-0.000 χ^2/NDF: 98.1/65

In: 0.000+/-0.000 χ^2/NDF:71.9/53

Out: -0.000+/-0.000 χ^2/NDF:82.0/58

All: -0.000+/-0.000 χ^2/NDF: 158.4/112

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 14051841.7/34

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

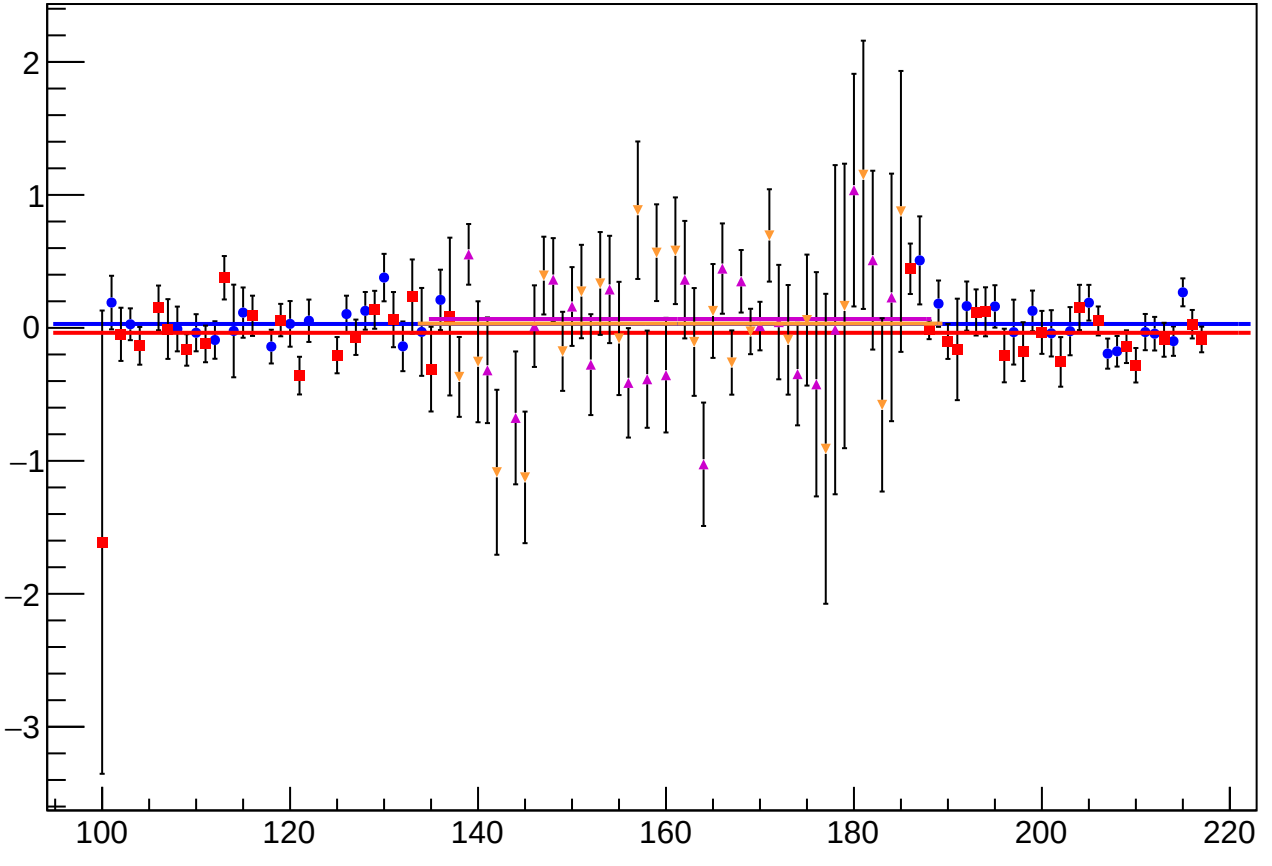
Right: 0.006+/-0.000 χ^2/NDF: 23605619.3/65

In: 0.005+/-0.000 χ^2/NDF:25178743.1/53

Out: 0.004+/-0.000 χ^2/NDF:29280965.7/58

All: 0.004+/-0.000 χ^2/NDF: 54856786.3/112

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.027 χ^2/NDF: 30.1/30

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

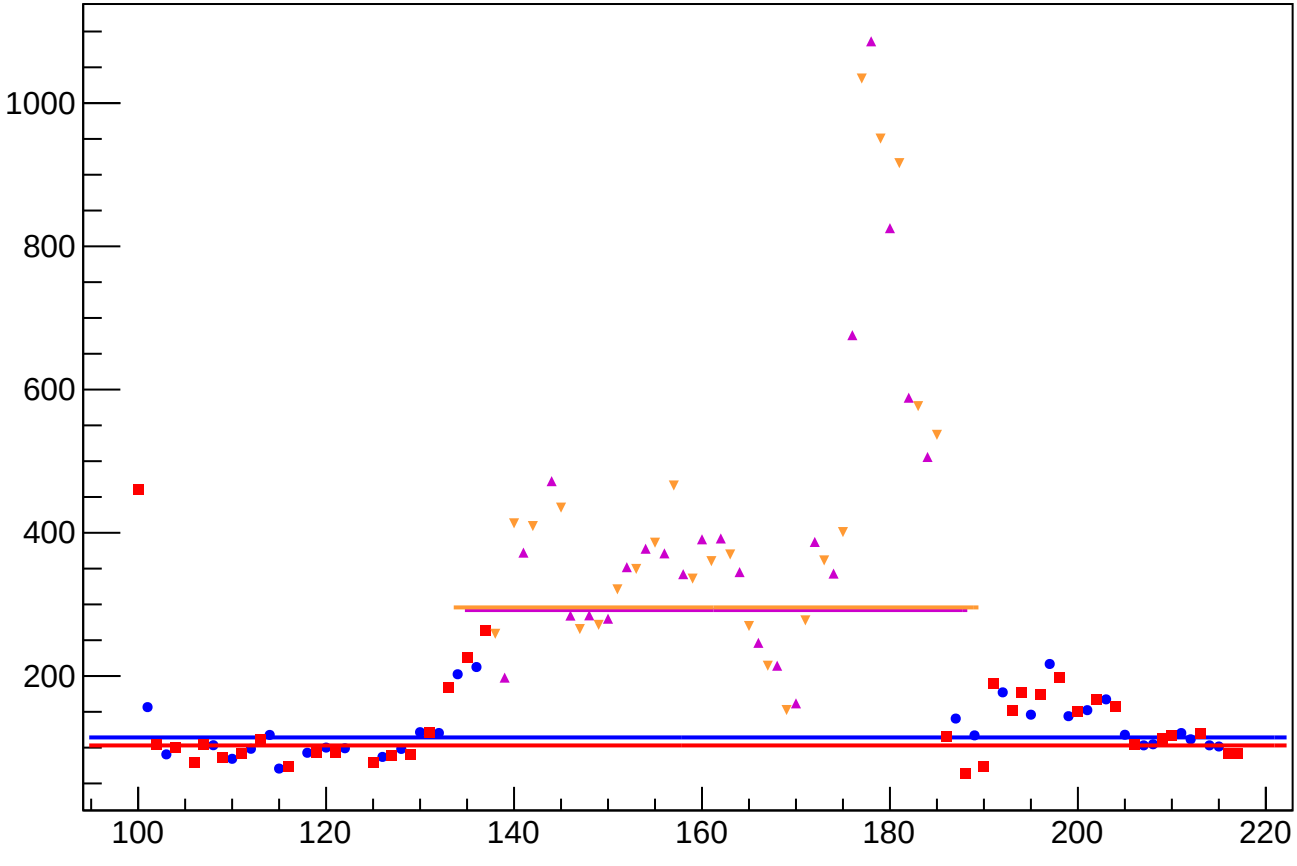
Right: -0.007+/-0.018 χ^2/NDF: 73.3/65

In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.030+/-0.024 χ^2/NDF:70.4/58

All: -0.001+/-0.017 χ^2/NDF: 129.8/112

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.250+/-0.019 χ^2/NDF: 2221589.8/30

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 103.059+/-0.017 χ^2/NDF: 3689305.5/34

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

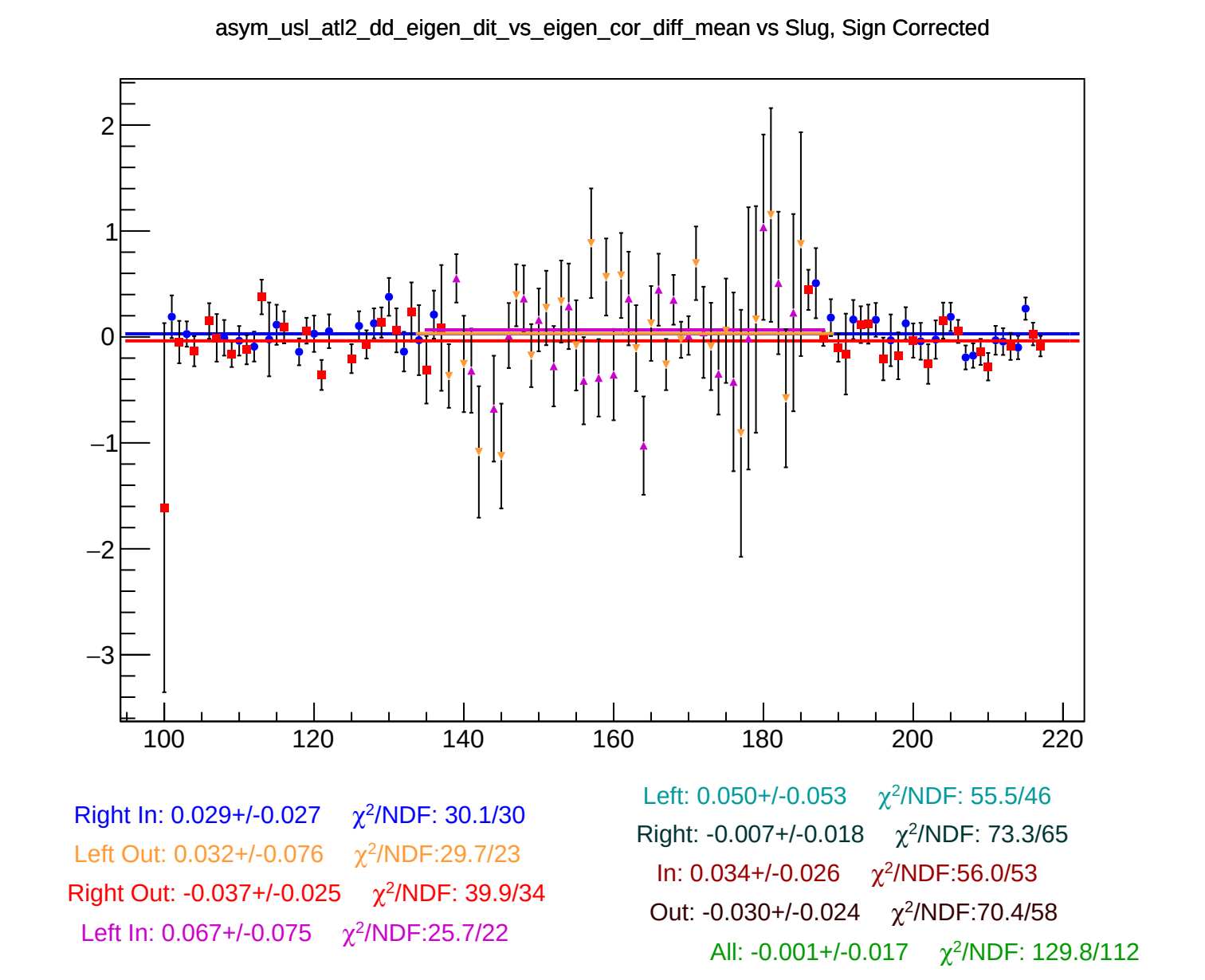
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 108.069+/-0.013 χ^2/NDF: 6094251.5/65

In: 135.421+/-0.018 χ^2/NDF:17259413.5/53

Out: 121.510+/-0.017 χ^2/NDF:20820617.0/58

All: 127.828+/-0.012 χ^2/NDF: 38397894.3/11


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
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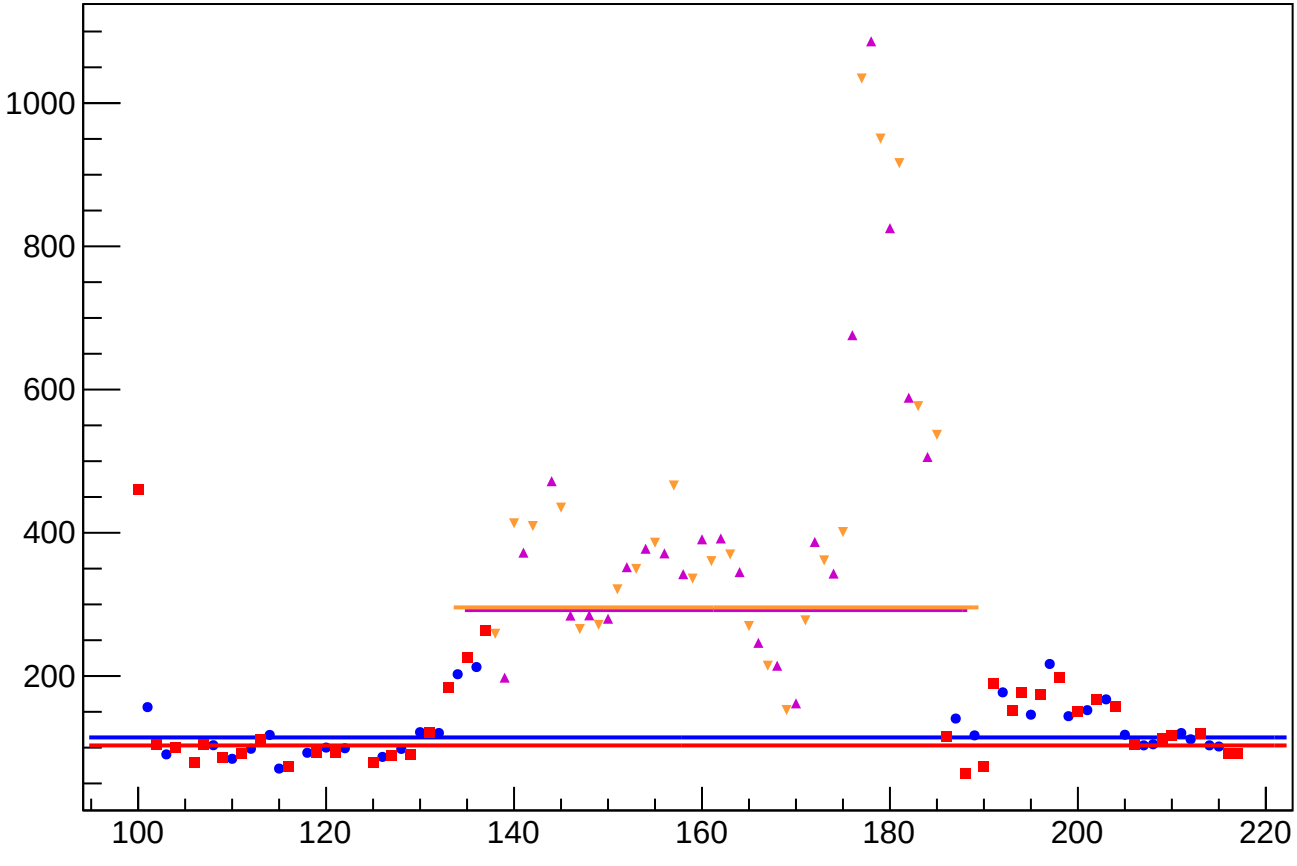
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.029+/-0.027 χ²/NDF: 30.1/30
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.037+/-0.025 χ²/NDF: 39.9/34
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: -0.007+/-0.018 χ²/NDF: 73.3/65
In: 0.034+/-0.026 χ²/NDF:56.0/53
Out: -0.030+/-0.024 χ²/NDF:70.4/58
All: -0.001+/-0.017 χ²/NDF: 129.8/112

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.250+/-0.019 χ^2/NDF: 2221589.8/30

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 103.059+/-0.017 χ^2/NDF: 3689305.5/34

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

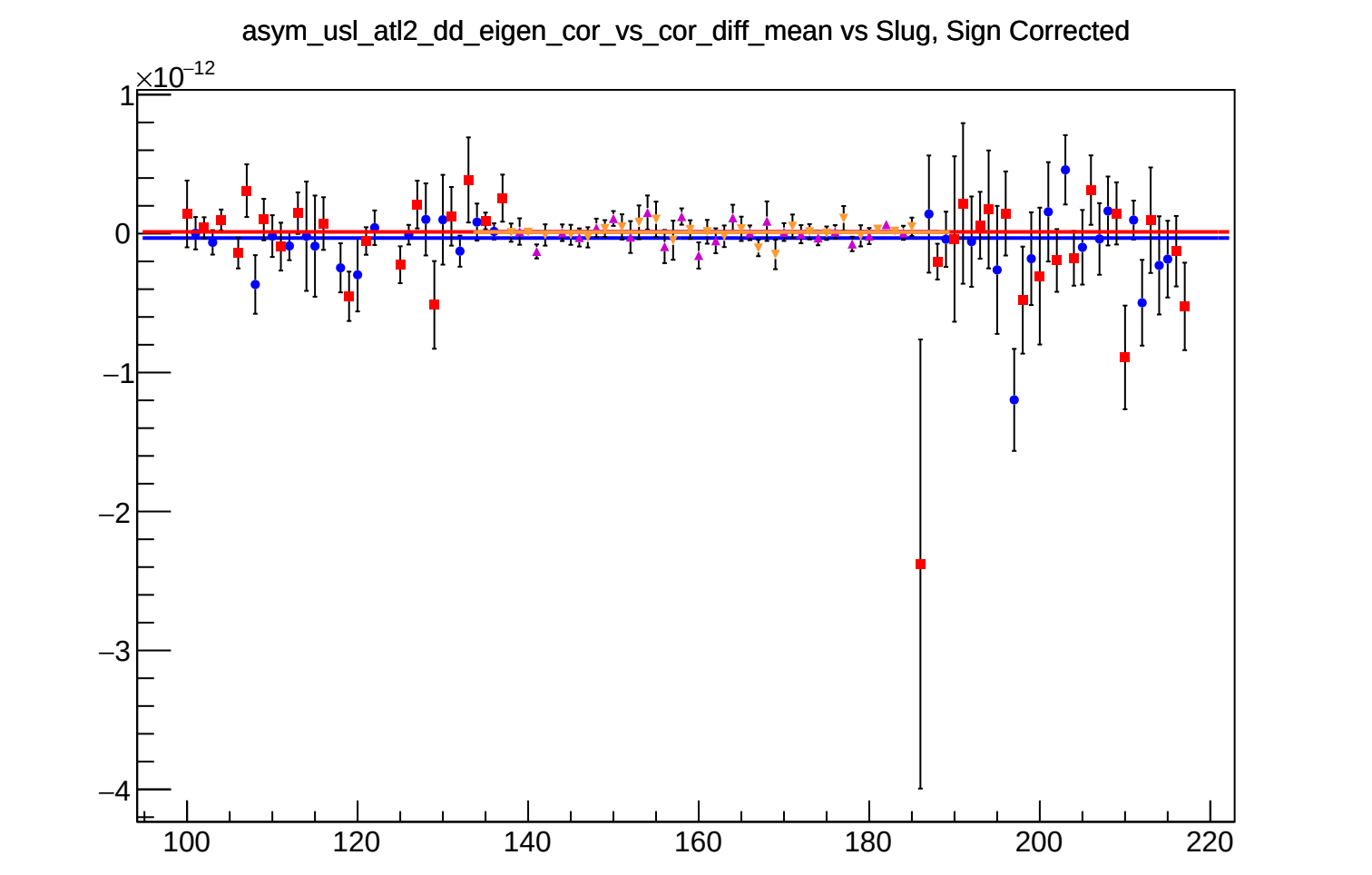
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 108.069+/-0.013 χ^2/NDF: 6094251.5/65

In: 135.421+/-0.018 χ^2/NDF:17259413.5/53

Out: 121.510+/-0.017 χ^2/NDF:20820617.0/58

All: 127.828+/-0.012 χ^2/NDF: 38397894.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 48.0/34

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

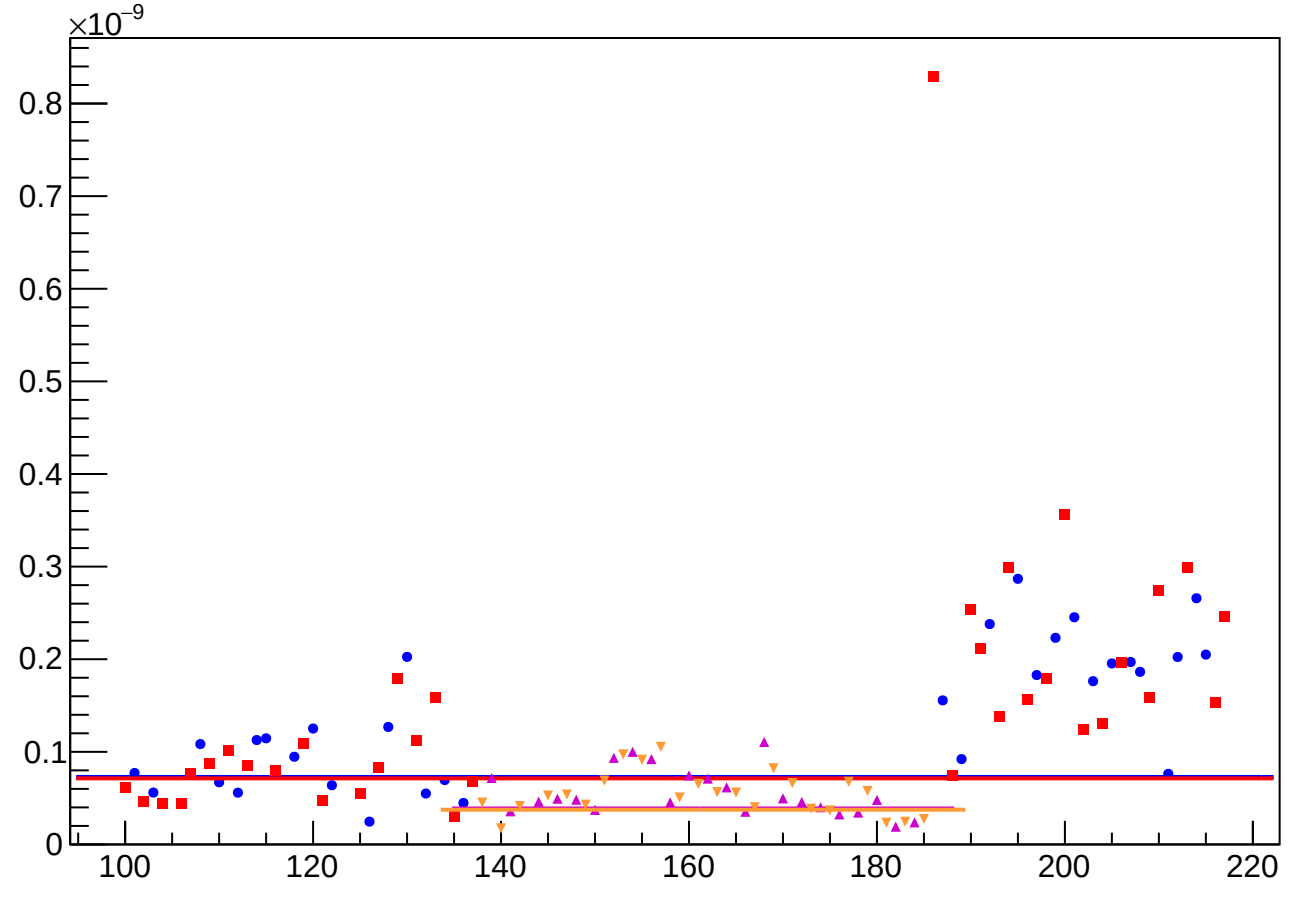
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 77.2/65

In: 0.000+/-0.000 χ^2/NDF:61.2/53

Out: 0.000+/-0.000 χ^2/NDF:58.6/58

All: 0.000+/-0.000 χ^2/NDF: 119.9/112



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: 8064695.4/34

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

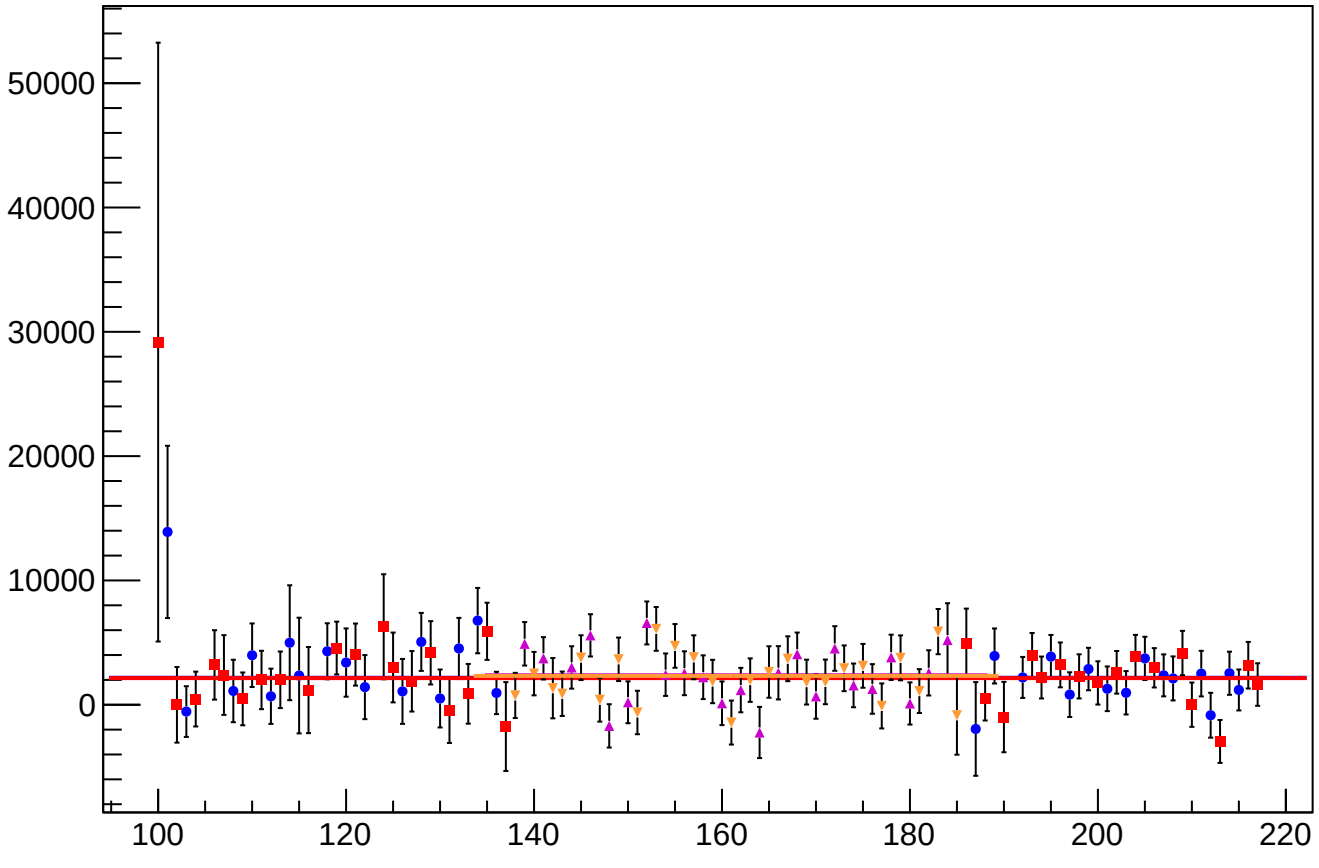
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 15422200.1/65

In: 0.000+/-0.000 χ^2/NDF:14554465.8/53

Out: 0.000+/-0.000 χ^2/NDF:15790373.8/58

All: 0.000+/-0.000 χ^2/NDF: 30356885.7/112



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: 2143.261+/-364.349 χ^2/NDF: 29.5/34

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

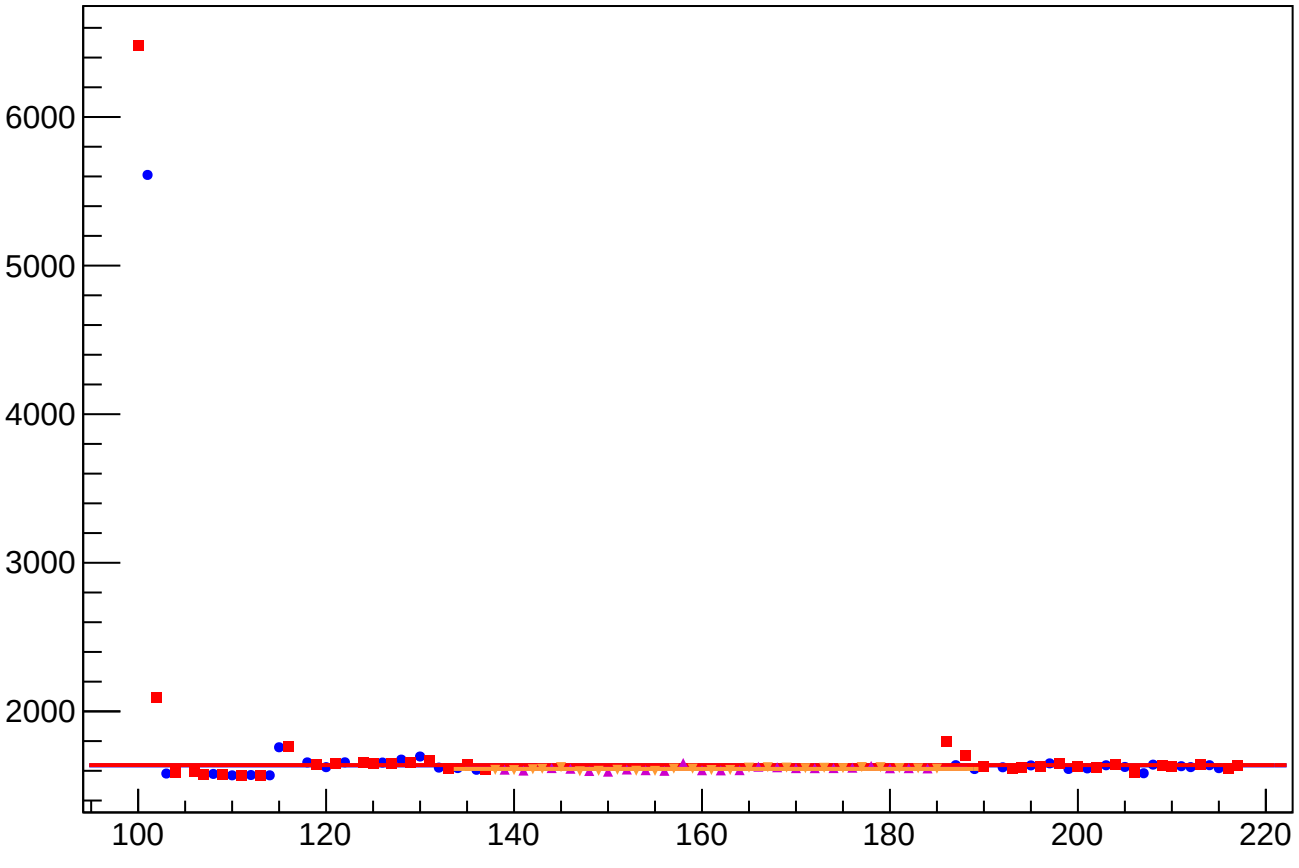
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2155.854+/-261.561 χ^2/NDF: 51.8/65

In: 2269.648+/-266.054 χ^2/NDF:56.2/53

Out: 2231.689+/-258.321 χ^2/NDF:57.1/59

All: 2250.109+/-185.334 χ^2/NDF: 113.3/113



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: 1638.539+/-0.258 χ^2/NDF: 149178.5/34

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

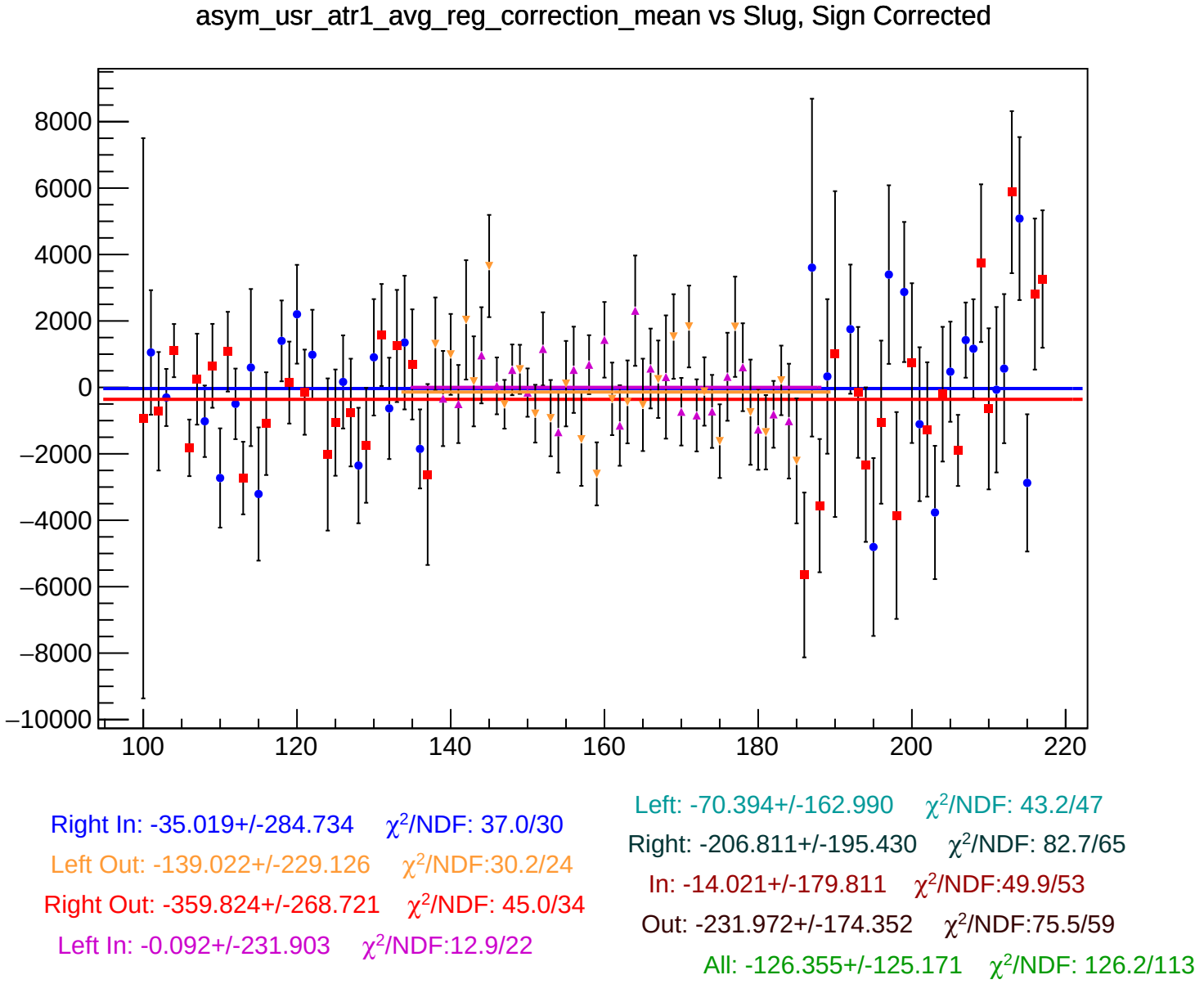
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

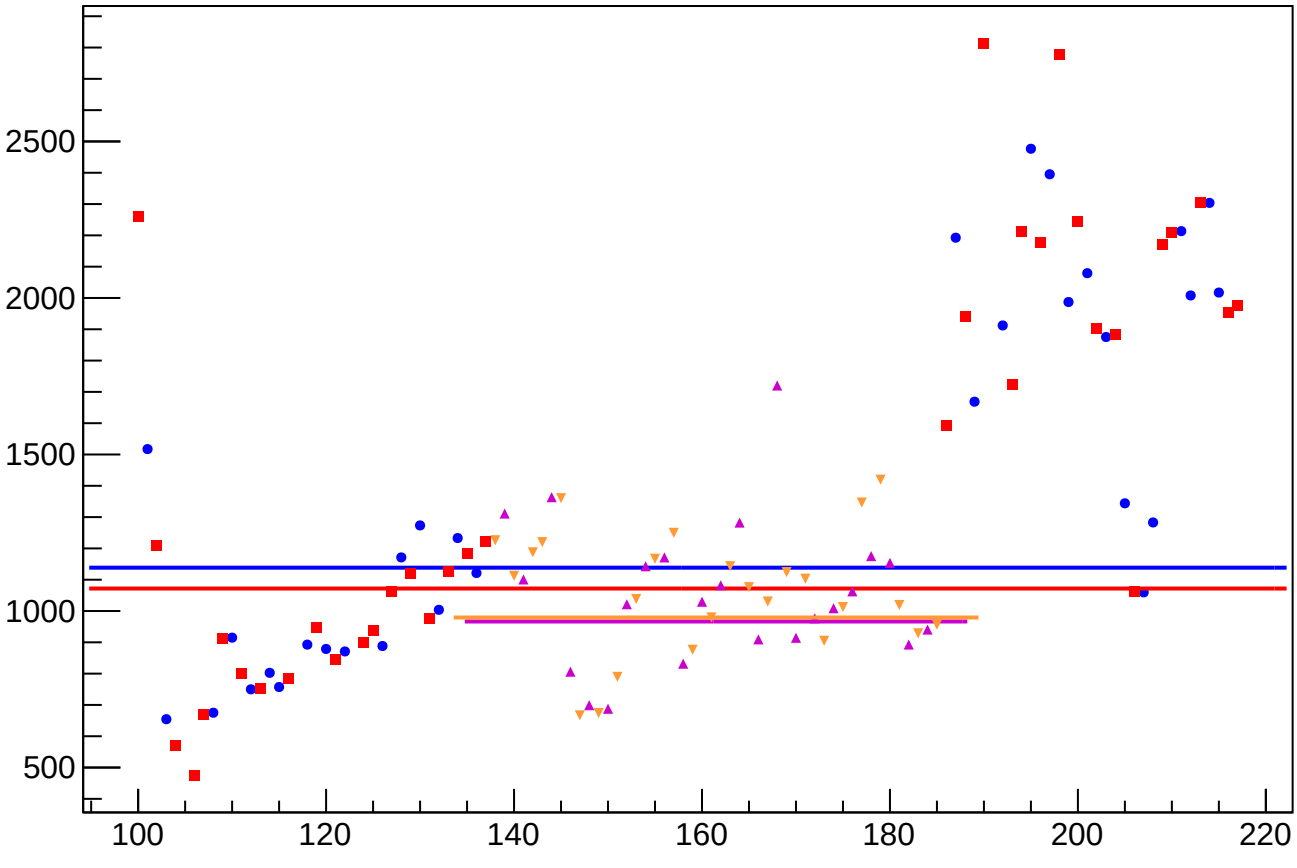
Right: 1637.493+/-0.185 χ^2/NDF: 821026.2/65

In: 1625.119+/-0.188 χ^2/NDF:677772.1/53

Out: 1625.642+/-0.183 χ^2/NDF:155389.5/59

All: 1625.389+/-0.131 χ^2/NDF: 833165.6/113


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: -359.824+/-268.721 χ²/NDF: 45.0/34
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -206.811+/-195.430 χ²/NDF: 82.7/65
In: -14.021+/-179.811 χ²/NDF:49.9/53
Out: -231.972+/-174.352 χ²/NDF:75.5/59
All: -126.355+/-125.171 χ²/NDF: 126.2/113



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: 1071.854+/-0.190 χ^2/NDF: 8116437.0/34

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

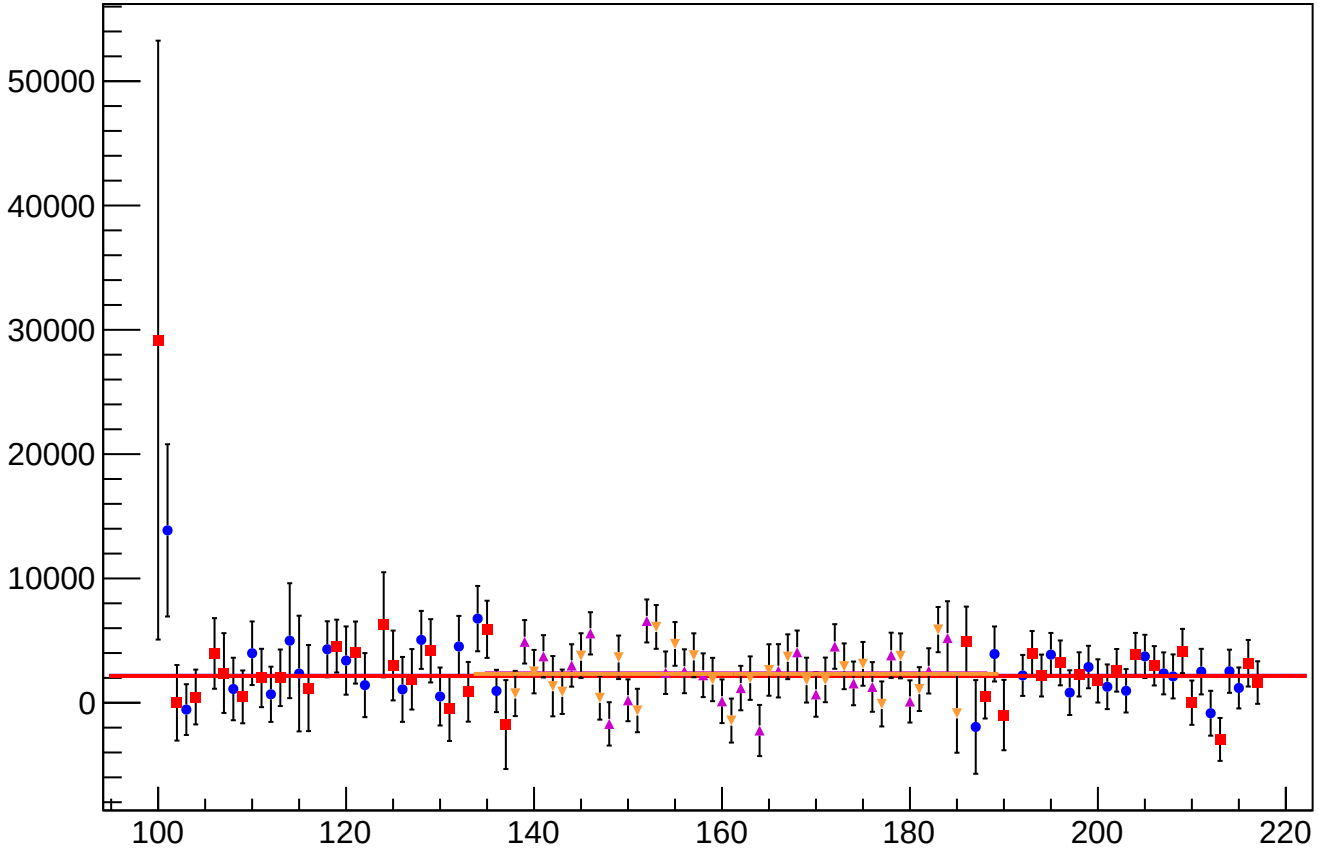
Right: 1103.222+/-0.138 χ^2/NDF: 13919285.2/65

In: 1035.085+/-0.127 χ^2/NDF:7785919.4/53

Out: 1018.259+/-0.123 χ^2/NDF:9884455.1/59

All: 1026.413+/-0.089 χ^2/NDF: 17679401.3/1

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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: 2155.323+/-364.456 χ^2/NDF: 29.8/34

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

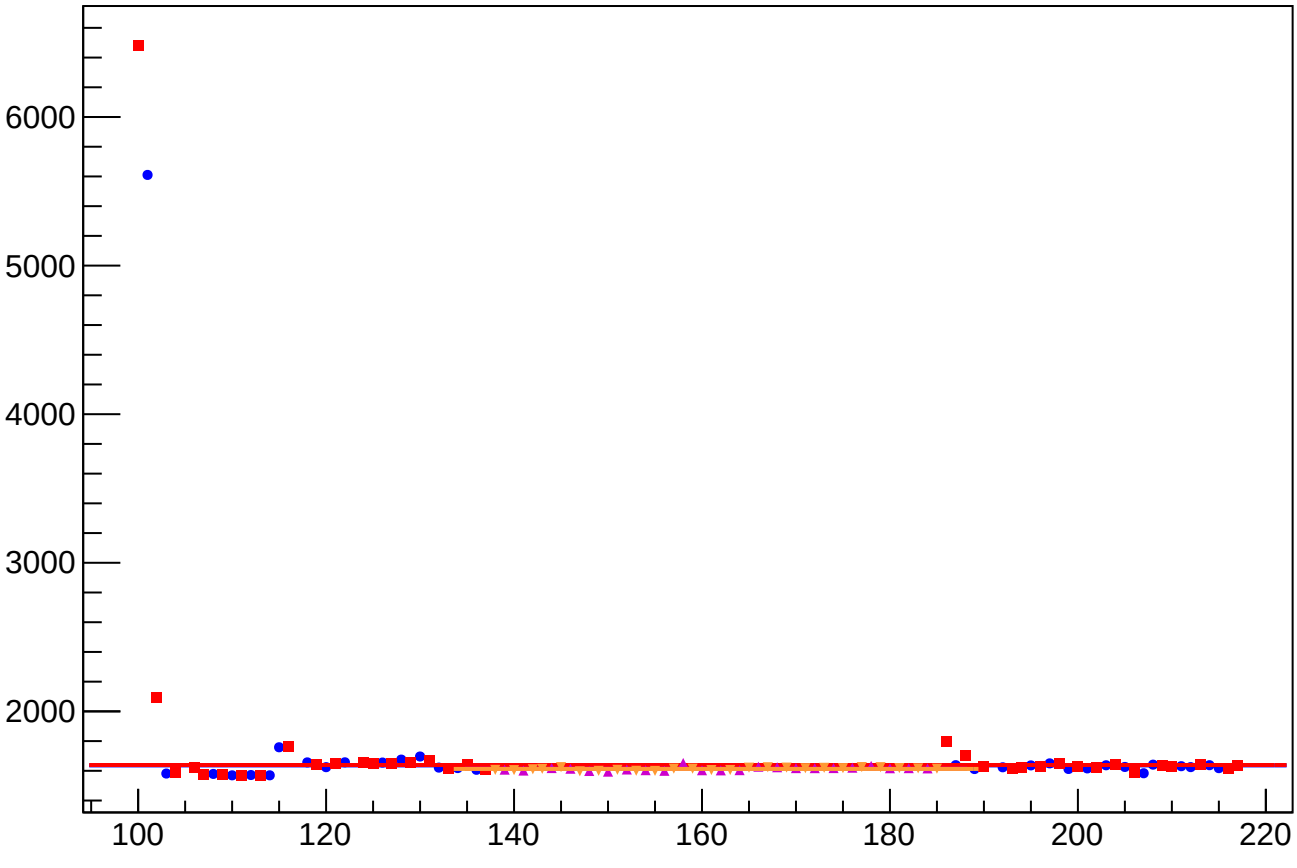
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2161.963+/-261.601 χ^2/NDF: 52.0/65

In: 2269.571+/-266.054 χ^2/NDF:56.2/53

Out: 2237.755+/-258.359 χ^2/NDF:57.4/59

All: 2253.196+/-185.348 χ^2/NDF: 113.5/113



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: 1639.002+/-0.258 χ^2/NDF: 148738.0/34

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

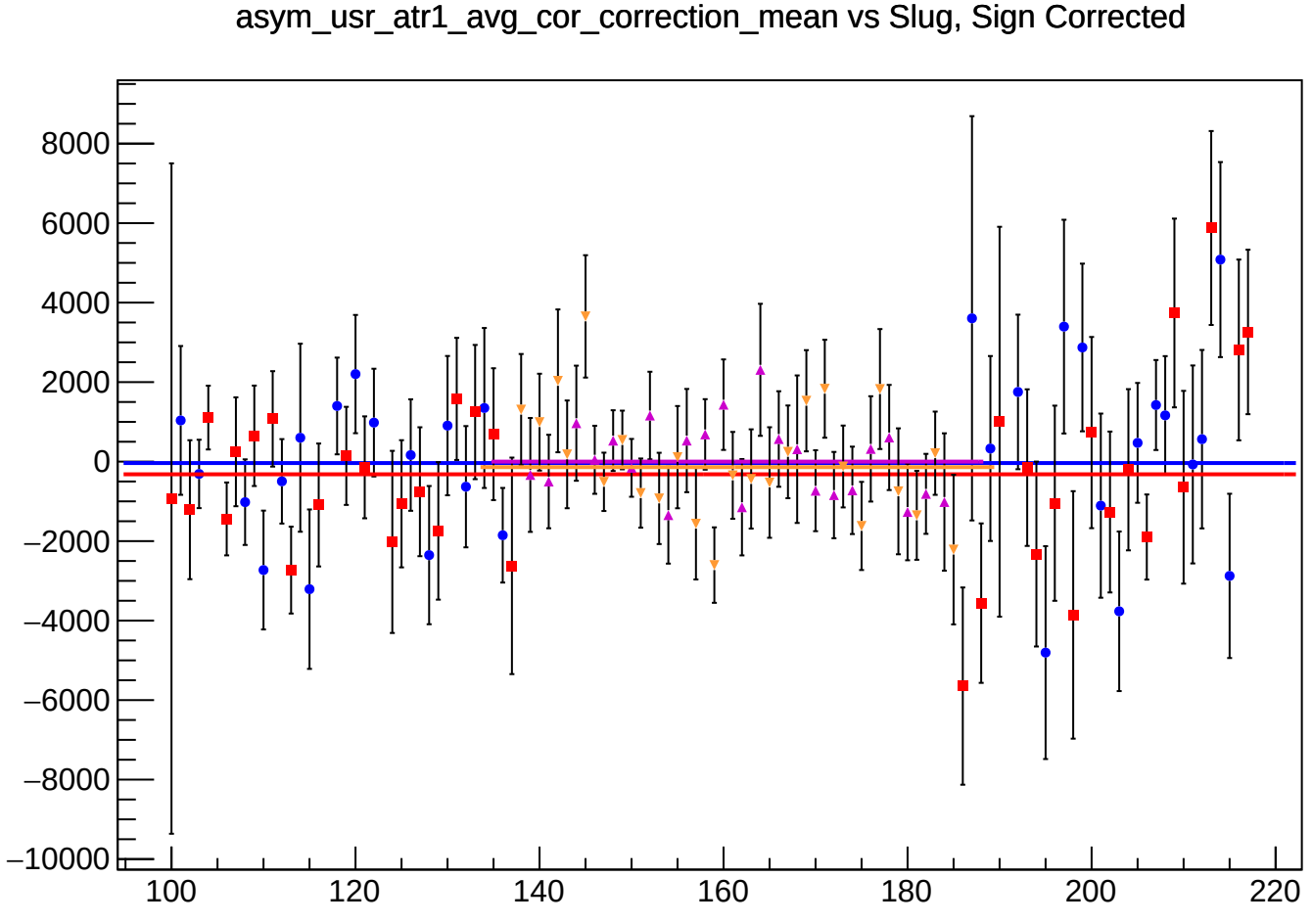
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.731+/-0.185 χ^2/NDF: 820601.4/65

In: 1625.119+/-0.188 χ^2/NDF:677771.7/53

Out: 1625.871+/-0.183 χ^2/NDF:155128.9/59

All: 1625.506+/-0.131 χ^2/NDF: 832908.8/113



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: -319.107+/-270.470 χ^2/NDF: 43.6/34

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

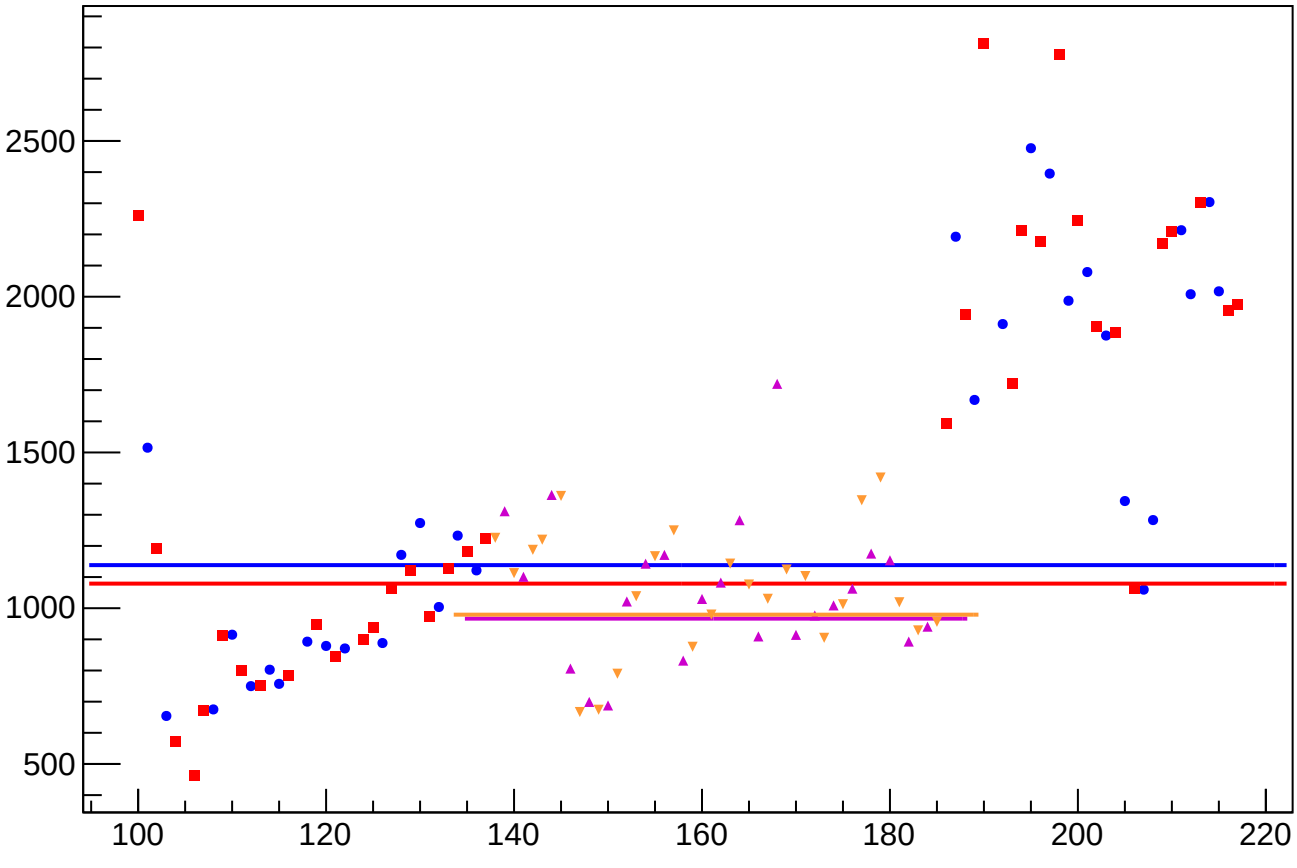
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -184.795+/-196.092 χ^2/NDF: 81.1/65

In: -14.387+/-179.805 χ^2/NDF:49.9/53

Out: -214.293+/-174.826 χ^2/NDF:74.0/59

All: -117.146+/-125.344 χ^2/NDF: 124.5/113



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: 1078.955+/-0.191 χ^2/NDF: 8007258.1/34

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

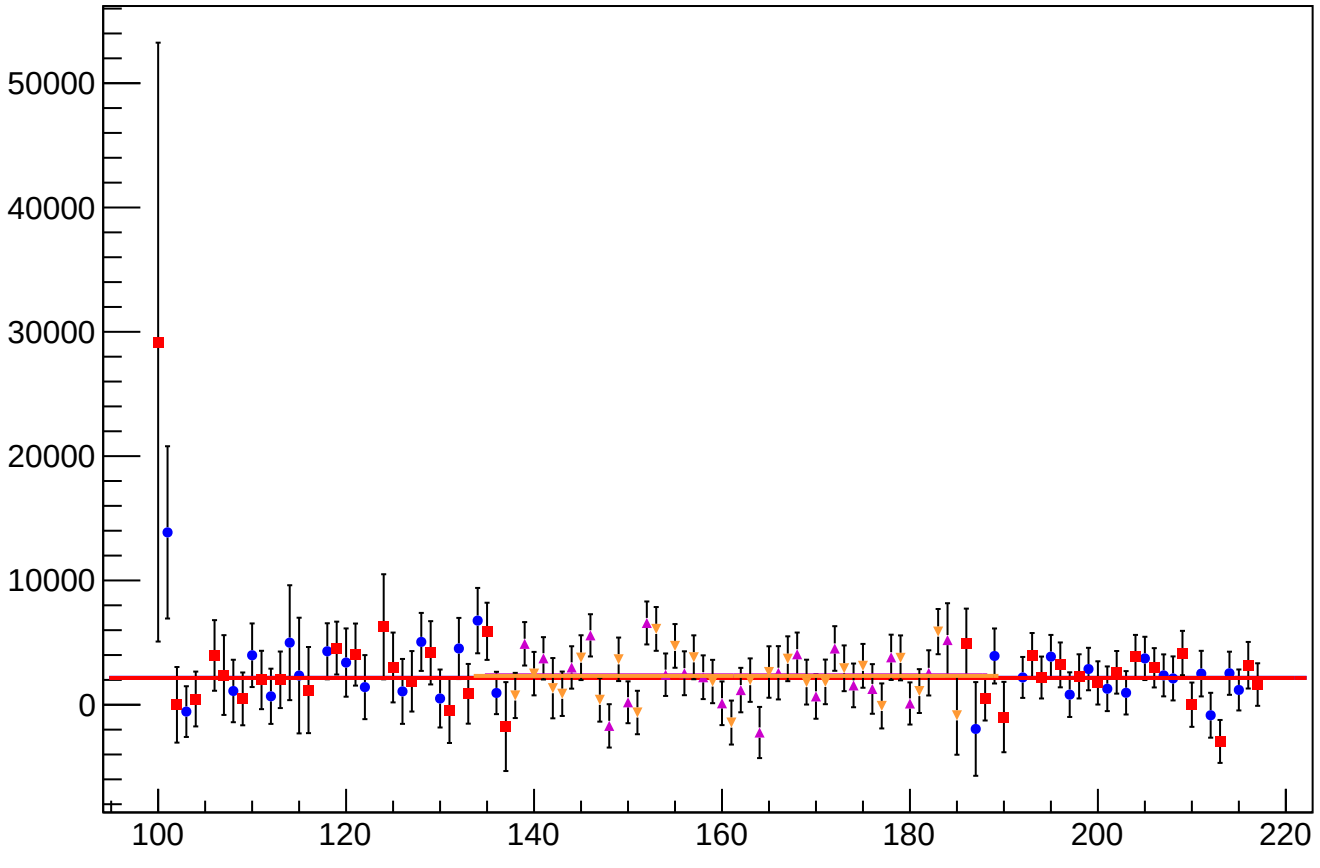
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1107.119+/-0.139 χ^2/NDF: 13798867.6/65

In: 1035.051+/-0.127 χ^2/NDF:7786219.0/53

Out: 1020.930+/-0.124 χ^2/NDF:9796100.4/59

All: 1027.792+/-0.089 χ^2/NDF: 17588660.6/1



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: 2155.323+/-364.456 χ^2/NDF: 29.8/34

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

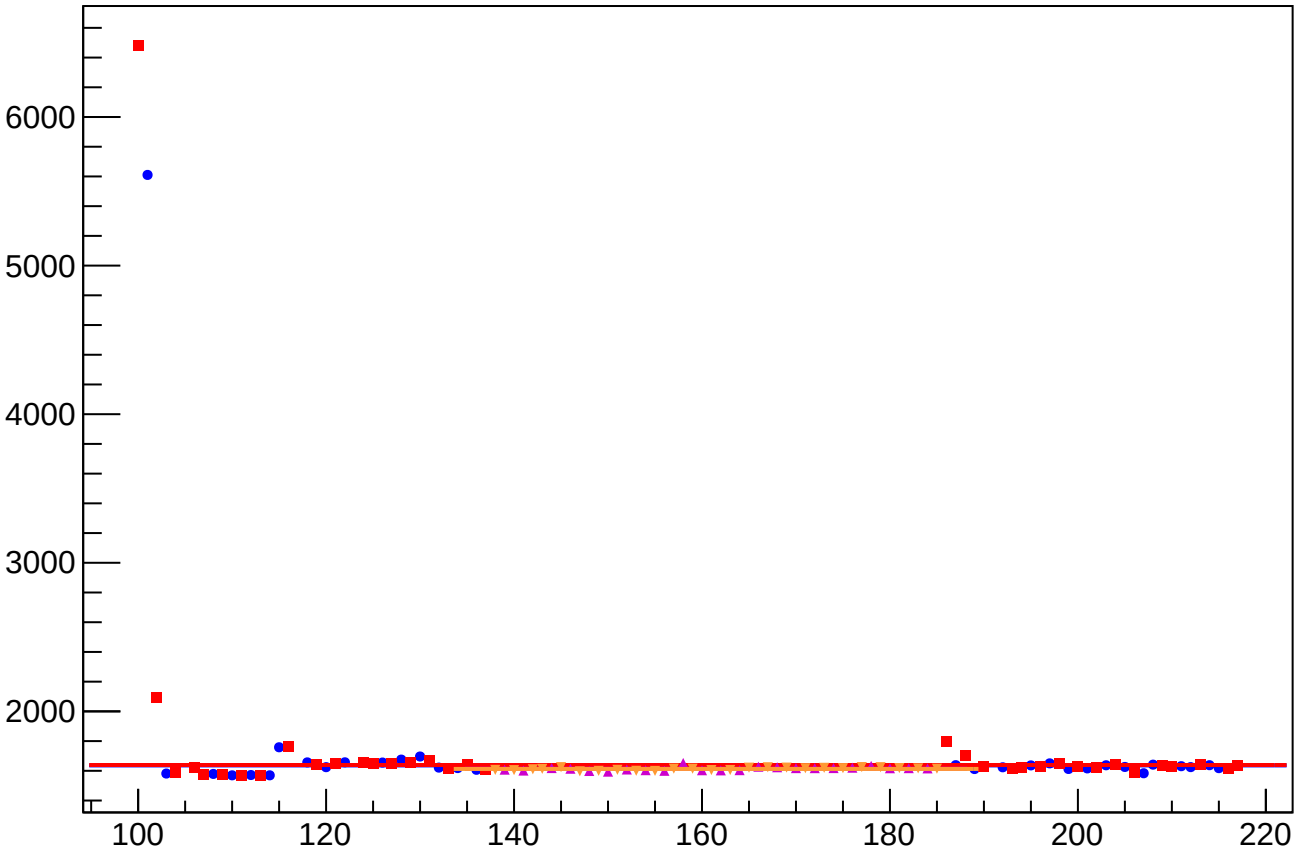
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2161.963+/-261.601 χ^2/NDF: 52.0/65

In: 2269.571+/-266.054 χ^2/NDF:56.2/53

Out: 2237.755+/-258.359 χ^2/NDF:57.4/59

All: 2253.196+/-185.348 χ^2/NDF: 113.5/113



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: 1639.002+/-0.258 χ^2/NDF: 148738.0/34

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

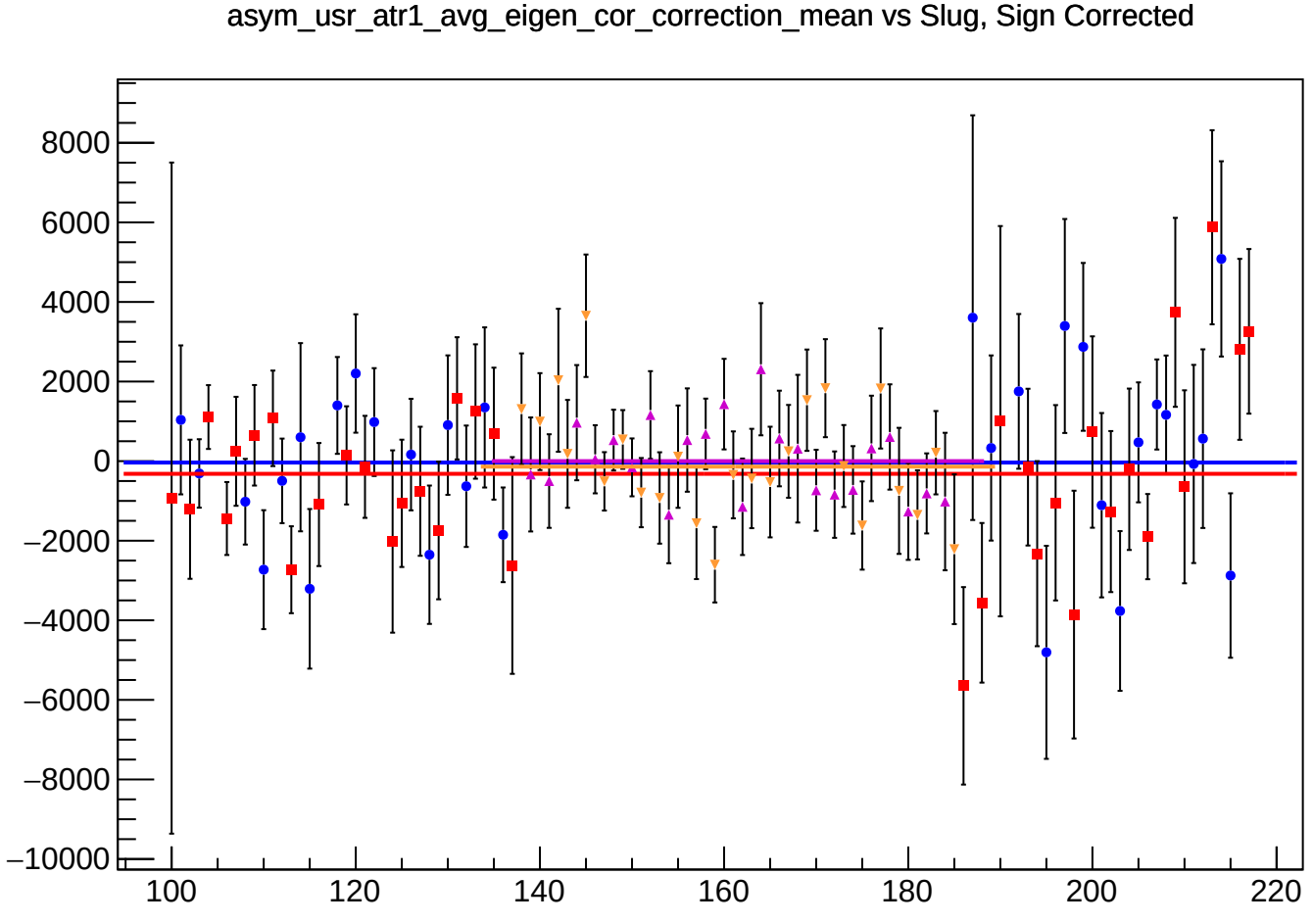
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.731+/-0.185 χ^2/NDF: 820601.4/65

In: 1625.119+/-0.188 χ^2/NDF:677771.7/53

Out: 1625.871+/-0.183 χ^2/NDF:155128.9/59

All: 1625.506+/-0.131 χ^2/NDF: 832908.8/113



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: -319.107+/-270.470 χ^2/NDF: 43.6/34

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

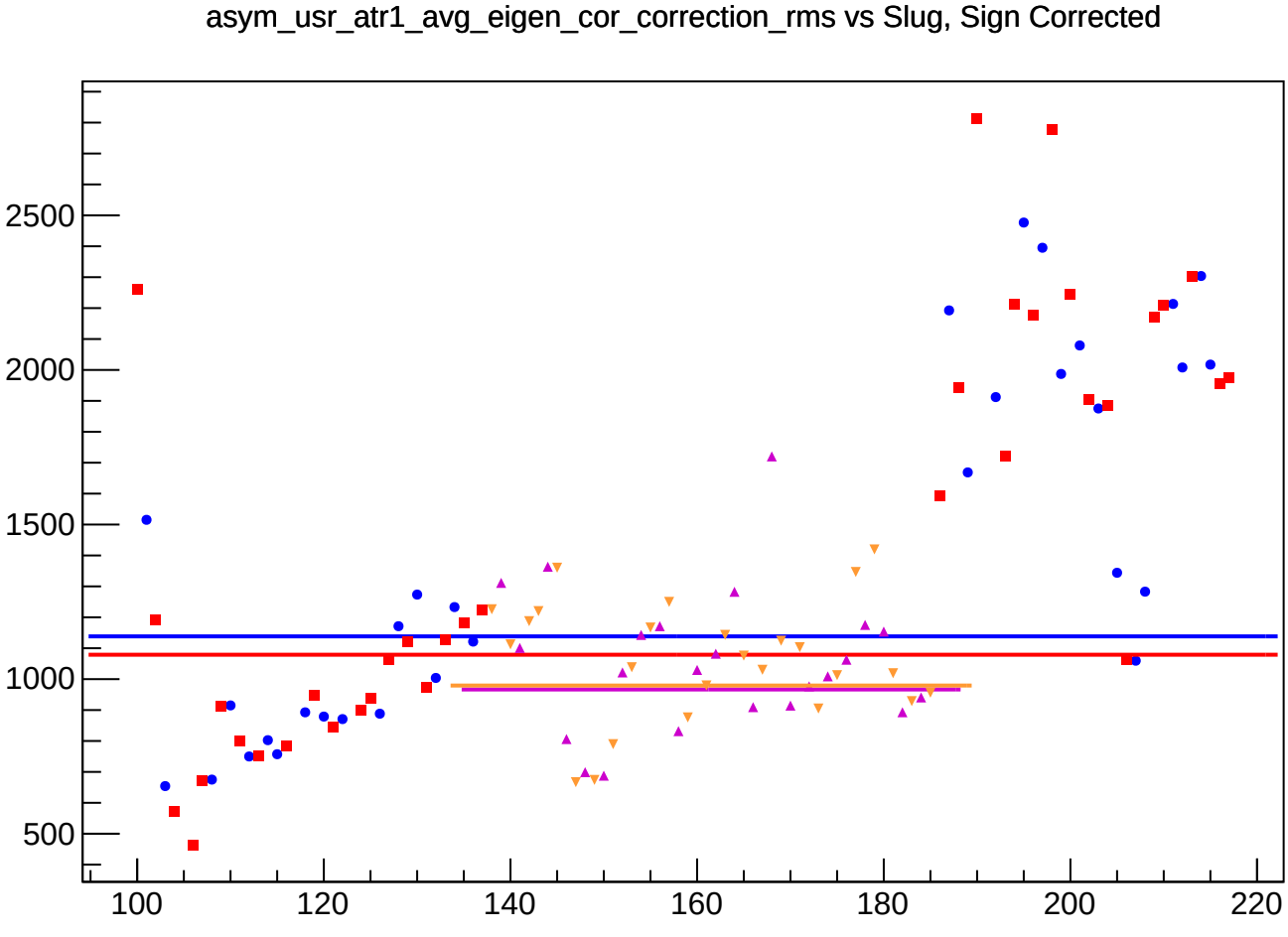
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -184.795+/-196.092 χ^2/NDF: 81.1/65

In: -14.387+/-179.805 χ^2/NDF:49.9/53

Out: -214.293+/-174.826 χ^2/NDF:74.0/59

All: -117.146+/-125.344 χ^2/NDF: 124.5/113



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: 1078.955+/-0.191 χ^2/NDF: 8007258.1/34

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

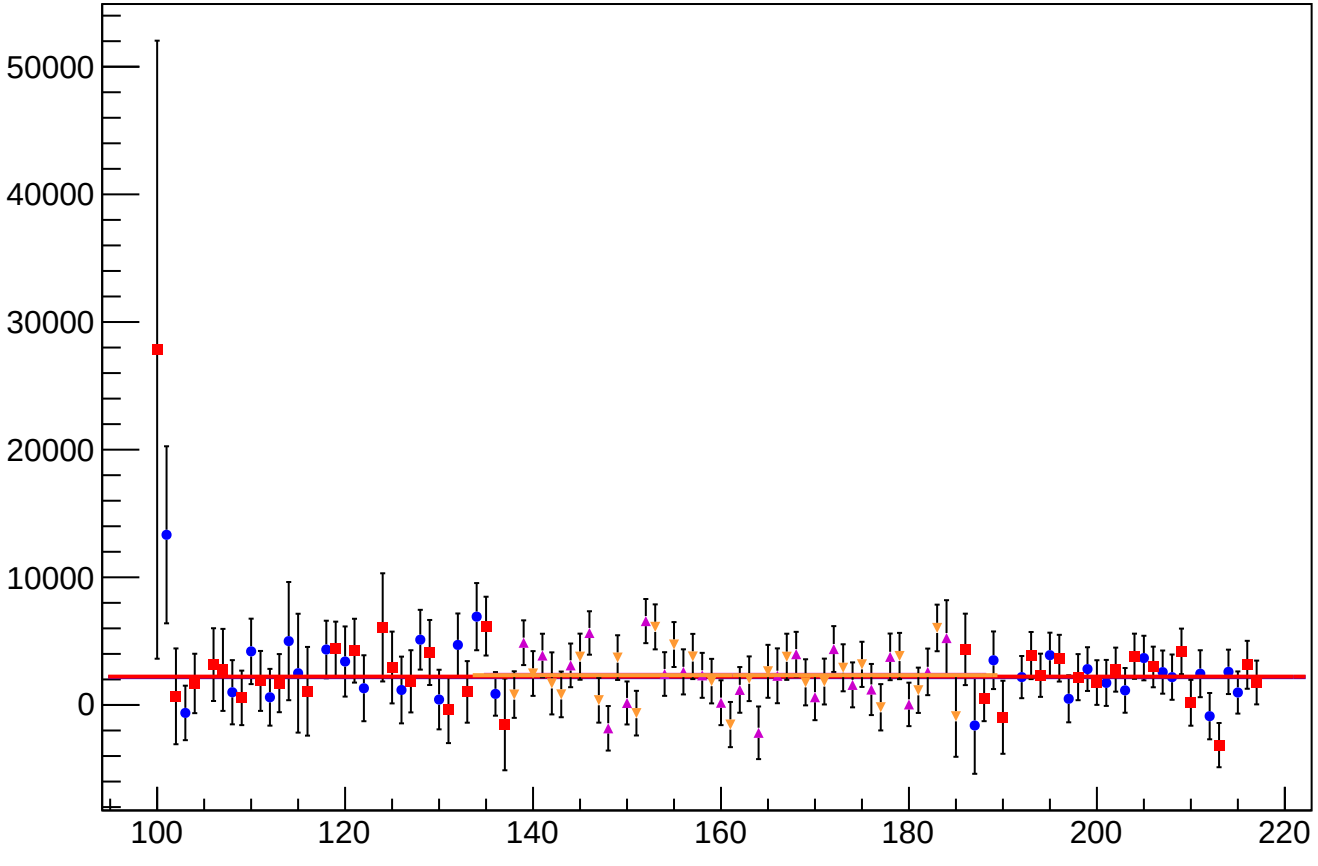
Right: 1107.119+/-0.139 χ^2/NDF: 13798867.6/65

In: 1035.051+/-0.127 χ^2/NDF:7786219.0/53

Out: 1020.930+/-0.124 χ^2/NDF:9796100.4/59

All: 1027.792+/-0.089 χ^2/NDF: 17588660.6/1

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2179.778+/-377.805 χ^2/NDF: 22.4/30

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2219.395+/-367.398 χ^2/NDF: 28.6/34

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

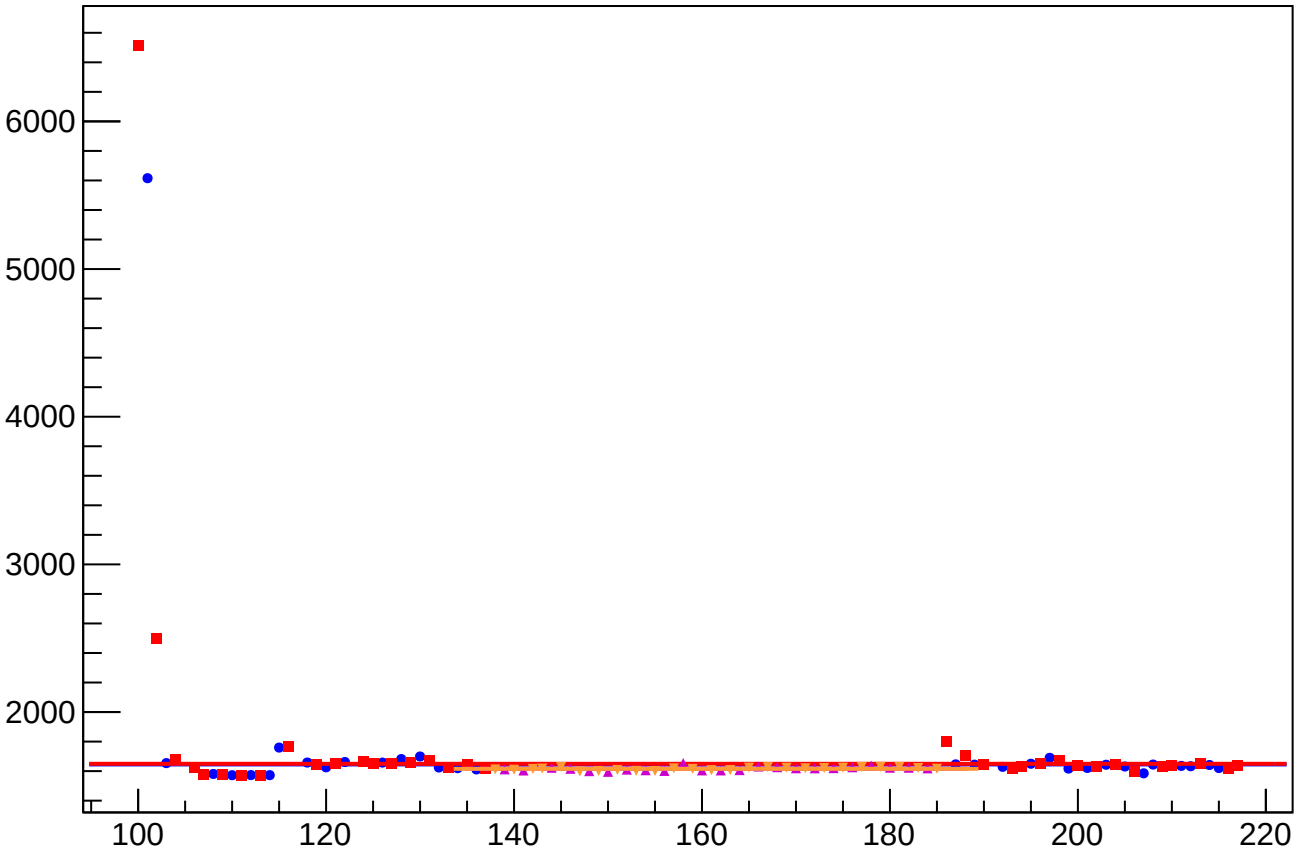
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2200.140+/-263.392 χ^2/NDF: 51.0/65

In: 2270.130+/-267.005 χ^2/NDF:56.5/53

Out: 2277.182+/-259.646 χ^2/NDF:56.9/59

All: 2273.754+/-186.145 χ^2/NDF: 113.4/113



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: 1649.494+/-0.260 χ^2/NDF: 206337.1/34

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

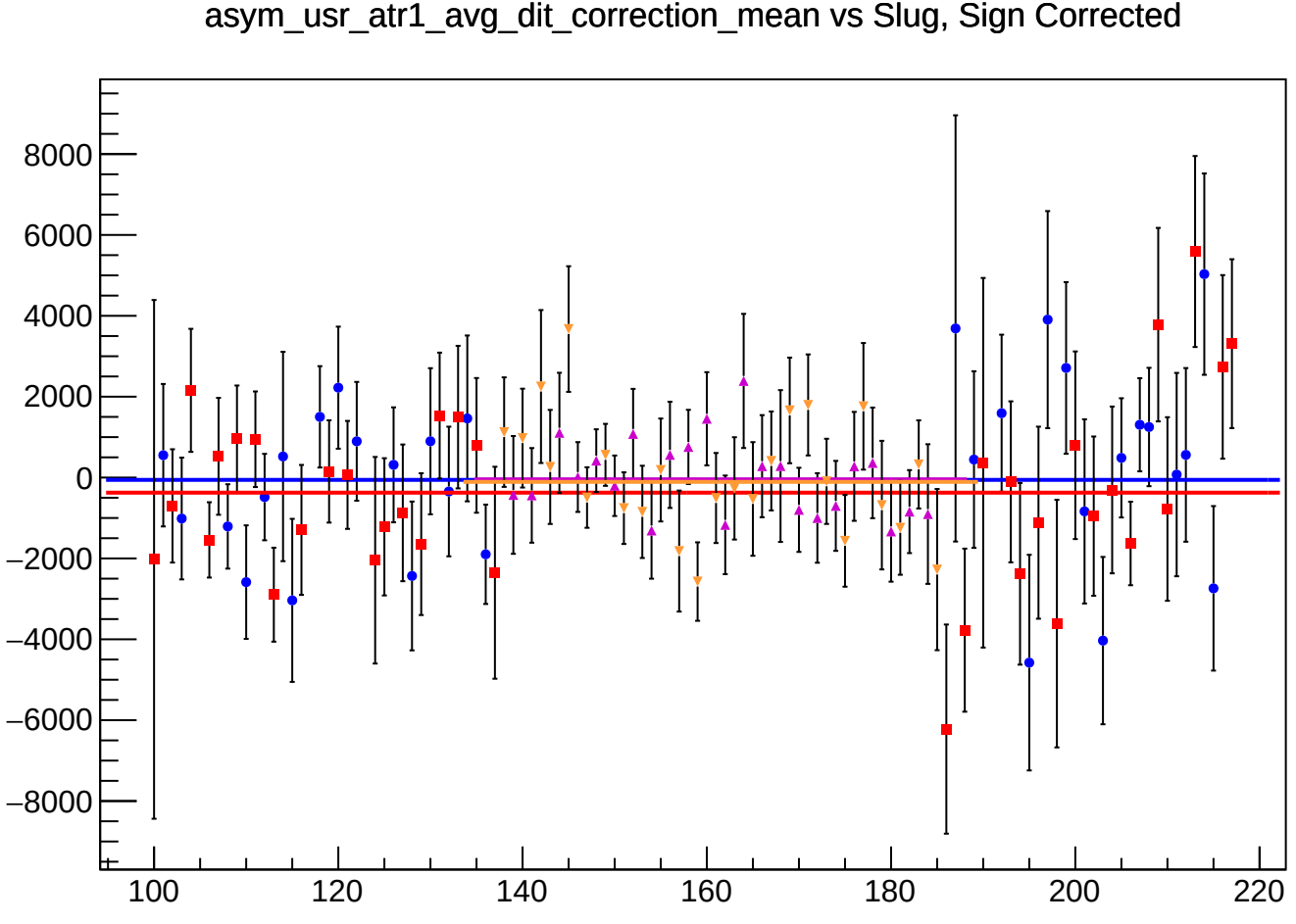
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1647.487+/-0.186 χ^2/NDF: 877129.2/65

In: 1630.847+/-0.189 χ^2/NDF:679126.9/53

Out: 1632.545+/-0.184 χ^2/NDF:216287.8/59

All: 1631.720+/-0.132 χ^2/NDF: 895456.2/113



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: -373.560+/-284.149 χ^2/NDF: 43.7/34

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

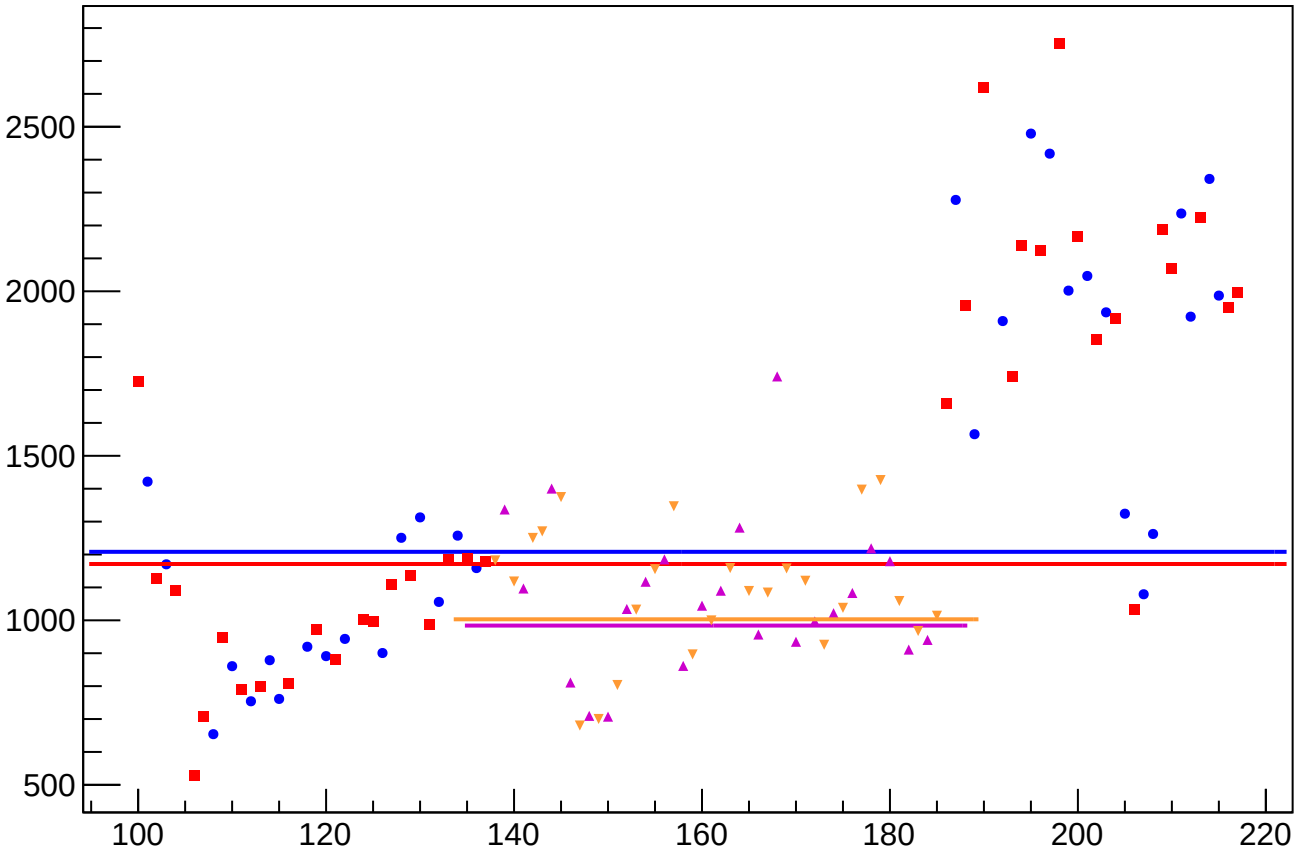
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -222.777+/-205.546 χ^2/NDF: 80.9/65

In: -49.404+/-184.808 χ^2/NDF:49.4/53

Out: -214.494+/-180.774 χ^2/NDF:73.2/59

All: -133.771+/-129.229 χ^2/NDF: 123.1/113



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: 1171.193+/-0.201 χ^2/NDF: 6454866.0/34

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

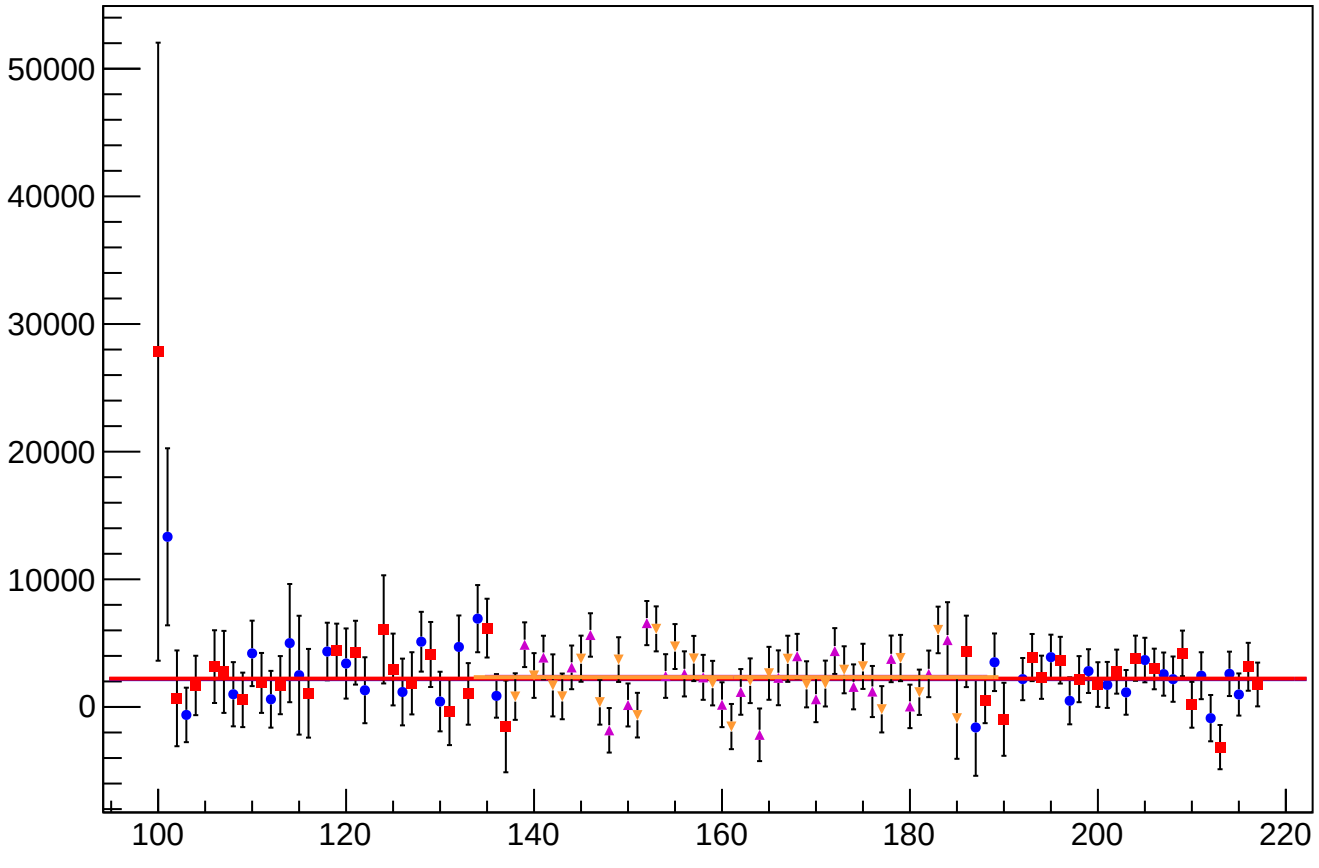
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1188.836+/-0.145 χ^2/NDF: 11423640.2/65

In: 1070.437+/-0.131 χ^2/NDF:7209039.5/53

Out: 1071.135+/-0.128 χ^2/NDF:8469898.0/59

All: 1070.794+/-0.091 χ^2/NDF: 15678952.0/1



Right In: 2179.779+/-377.805 χ^2/NDF: 22.4/30

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2219.395+/-367.398 χ^2/NDF: 28.6/34

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

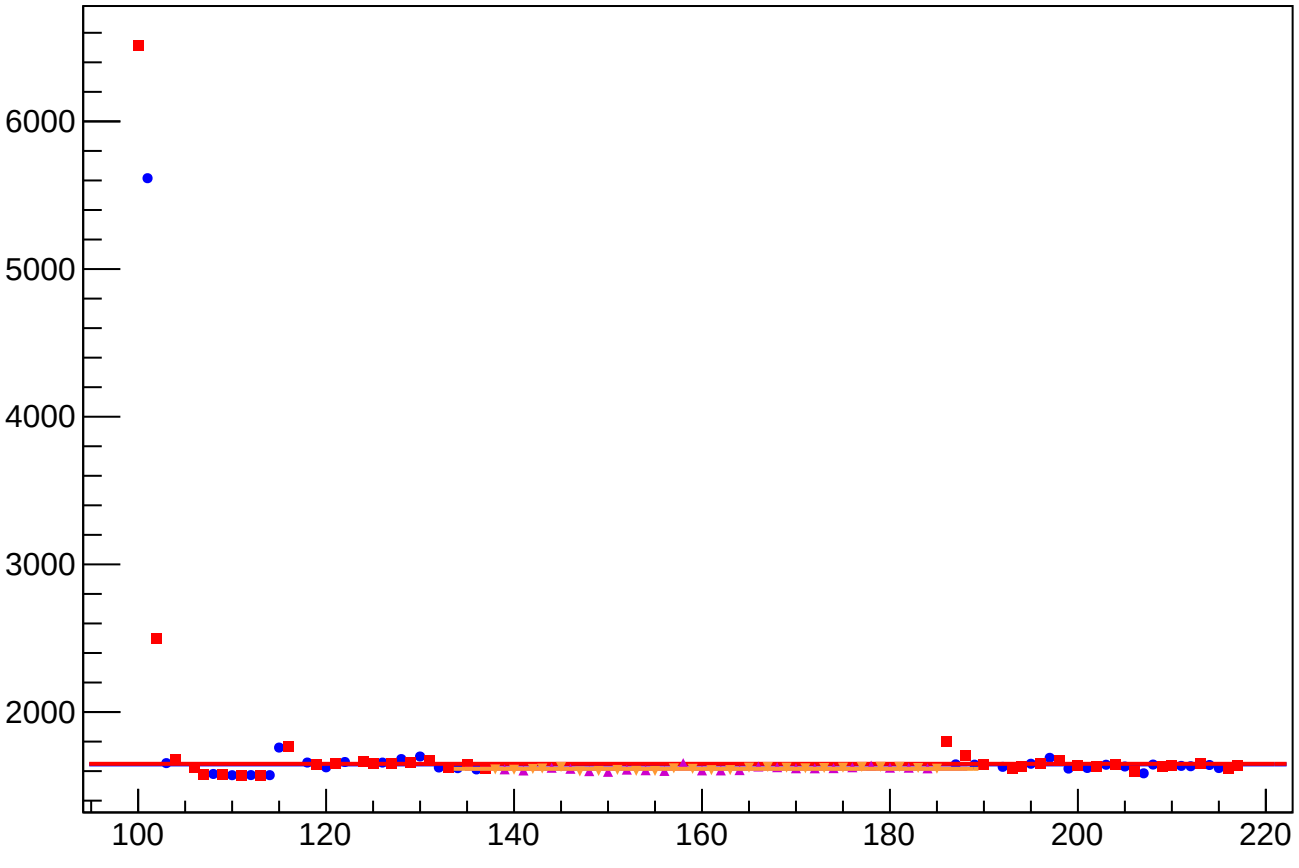
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2200.140+/-263.392 χ^2/NDF: 51.0/65

In: 2270.130+/-267.005 χ^2/NDF:56.5/53

Out: 2277.181+/-259.646 χ^2/NDF:56.9/59

All: 2273.754+/-186.145 χ^2/NDF: 113.4/113



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: 1649.494+/-0.260 χ^2/NDF: 206337.0/34

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

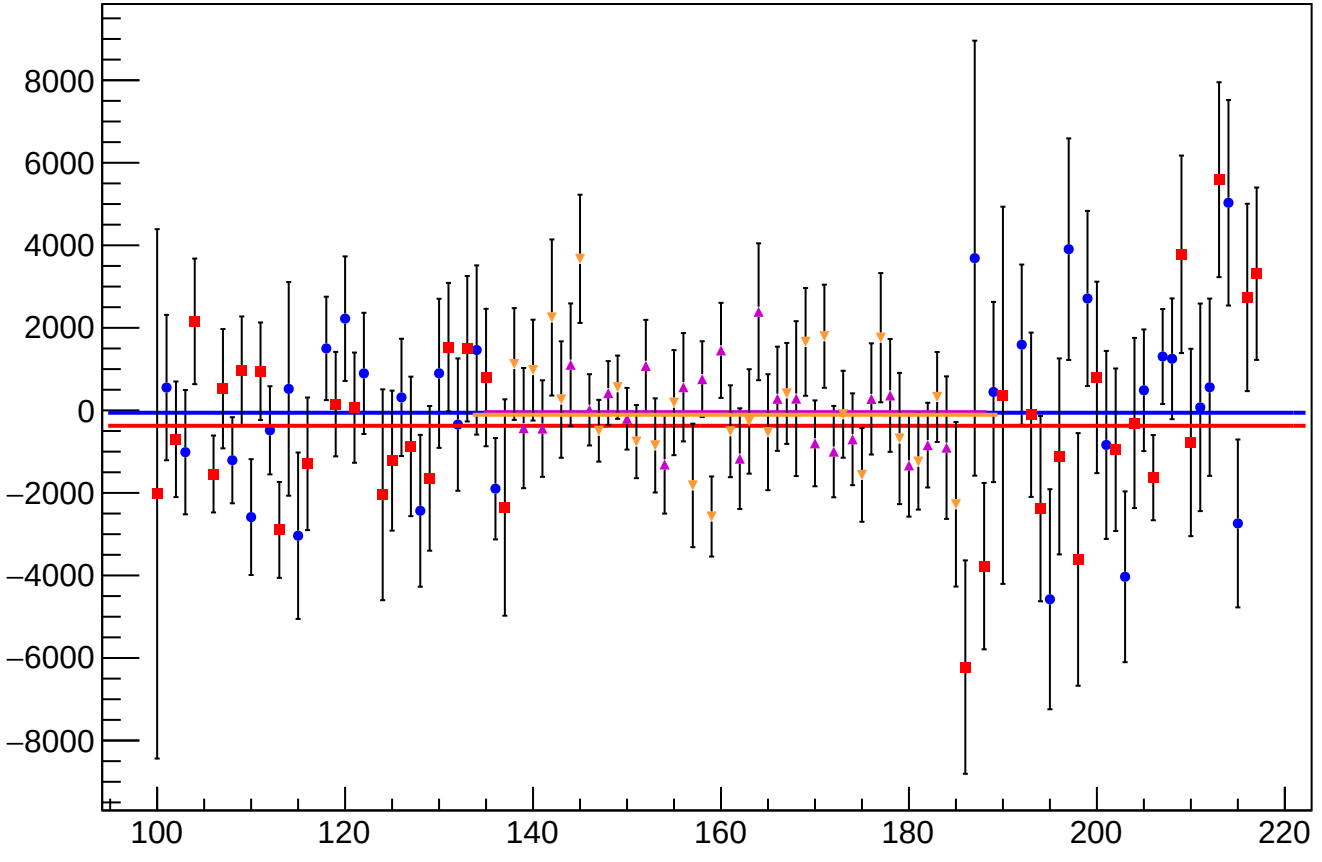
Right: 1647.487+/-0.186 χ^2/NDF: 877129.1/65

In: 1630.847+/-0.189 χ^2/NDF:679126.9/53

Out: 1632.545+/-0.184 χ^2/NDF:216287.6/59

All: 1631.720+/-0.132 χ^2/NDF: 895456.0/113

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: -373.558+/-284.149 χ^2/NDF: 43.7/34

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

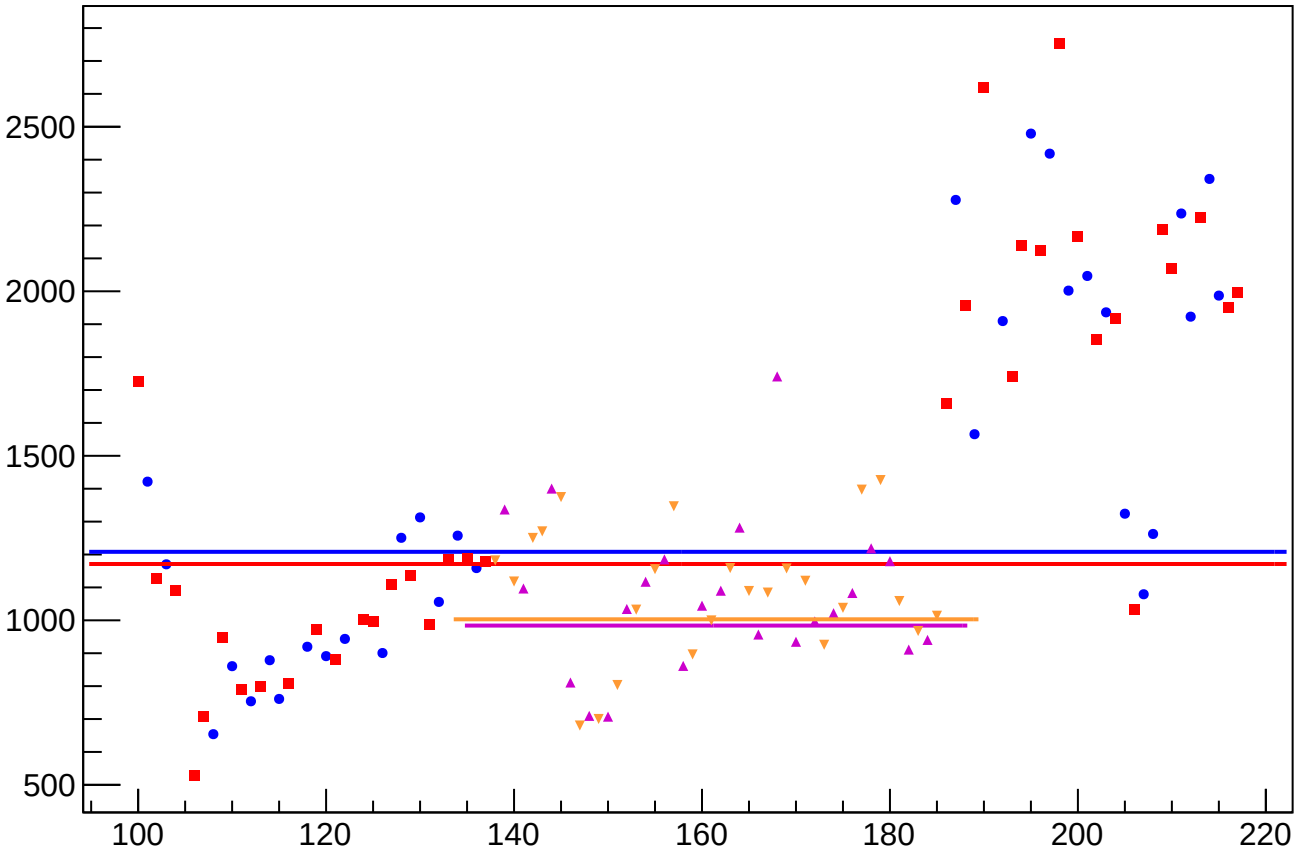
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -222.777+/-205.545 χ^2/NDF: 80.9/65

In: -49.404+/-184.808 χ^2/NDF:49.4/53

Out: -214.495+/-180.774 χ^2/NDF:73.2/59

All: -133.771+/-129.229 χ^2/NDF: 123.1/113



Right In: 1208.198+/-0.211 χ^2/NDF: 4952657.9/30

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1171.190+/-0.201 χ^2/NDF: 6454909.4/34

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

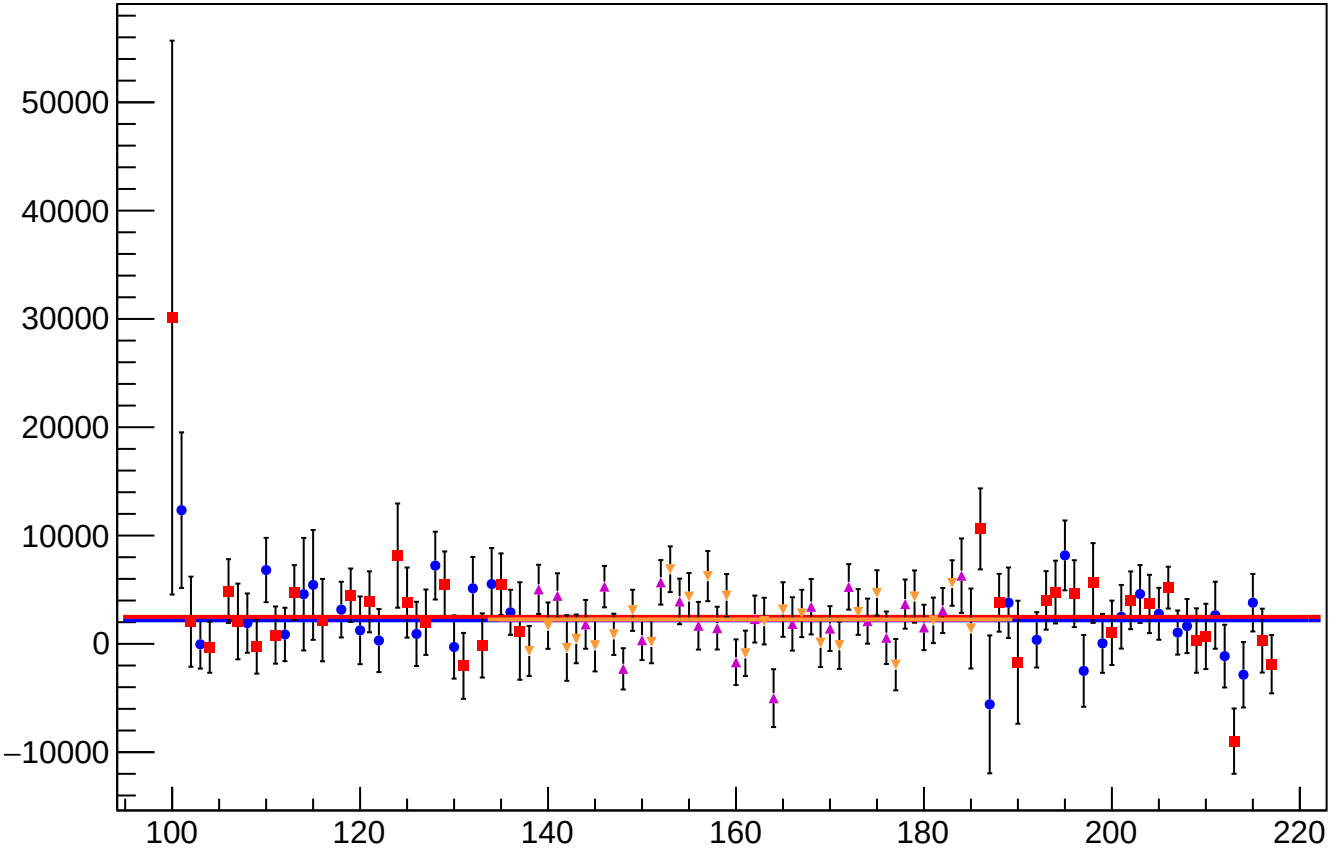
Right: 1188.833+/-0.145 χ^2/NDF: 11423740.1/65

In: 1070.438+/-0.131 χ^2/NDF:7209067.1/53

Out: 1071.135+/-0.128 χ^2/NDF:8469920.2/59

All: 1070.794+/-0.091 χ^2/NDF: 15679001.9/1

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: 2494.432+/-504.562 χ^2/NDF: 42.2/34

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

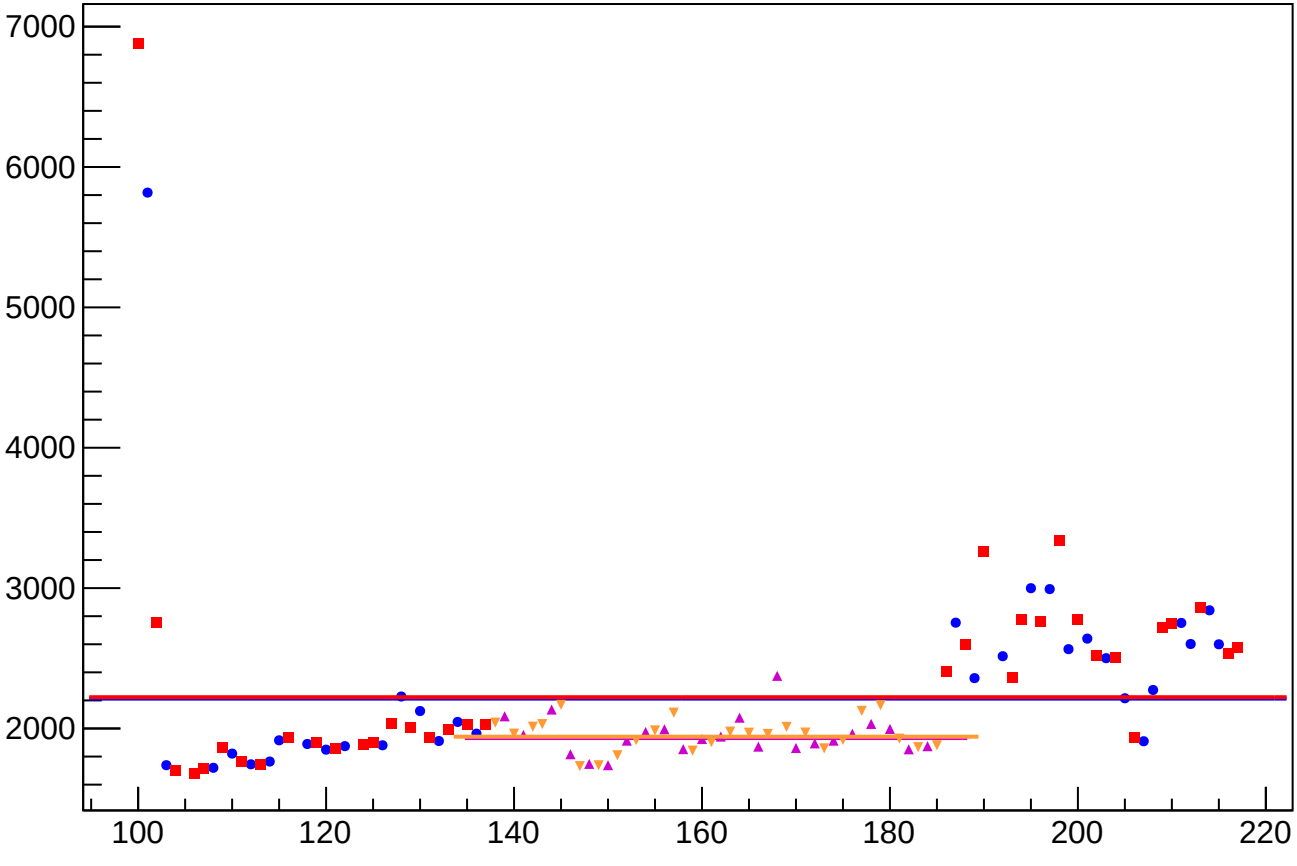
Right: 2338.136+/-360.830 χ^2/NDF: 69.1/65

In: 2199.917+/-340.186 χ^2/NDF:58.2/53

Out: 2357.535+/-332.563 χ^2/NDF:70.6/59

All: 2280.511+/-237.807 χ^2/NDF: 129.0/113

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: 2222.814+/-0.357 χ^2/NDF: 1511880.2/34

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

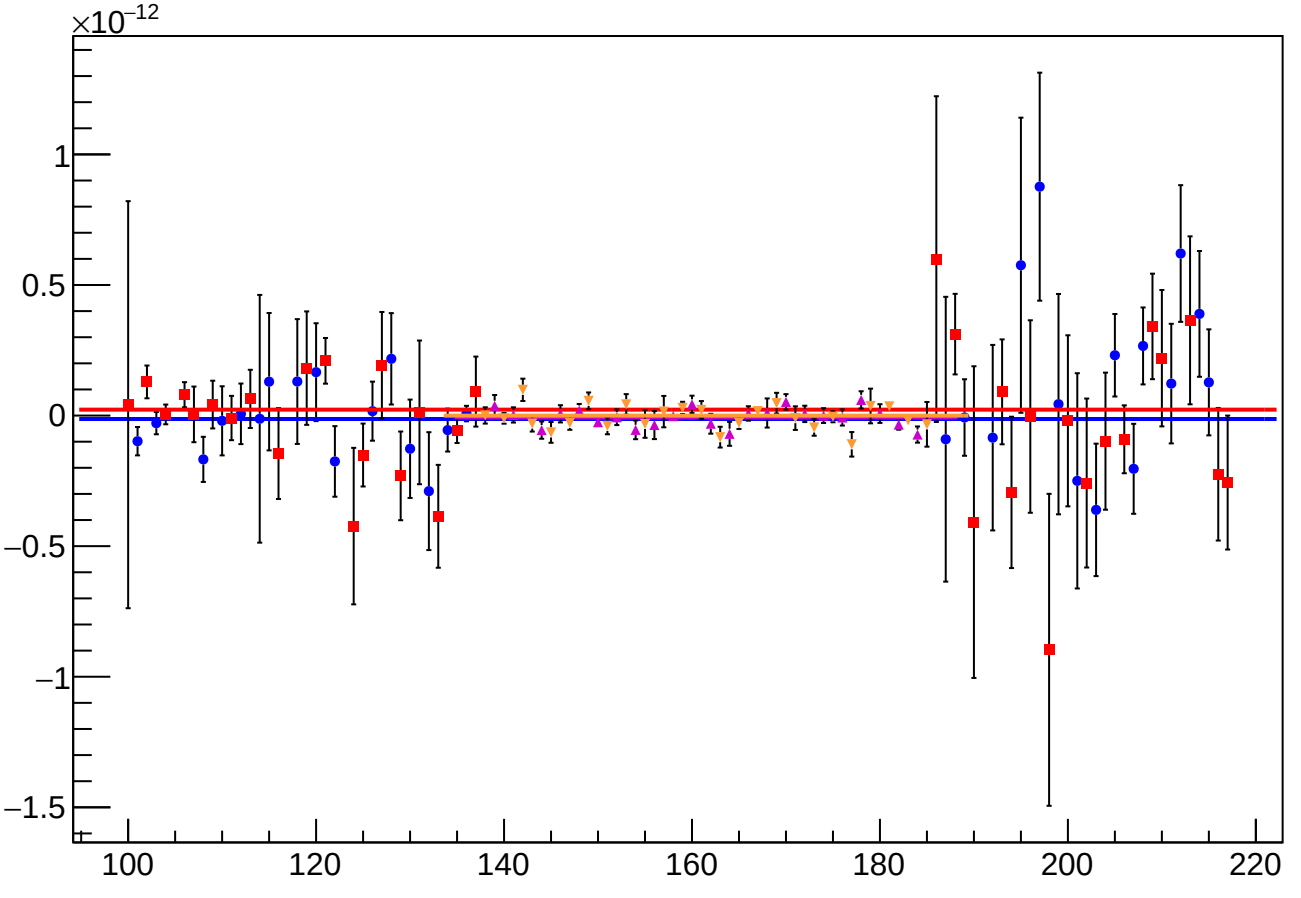
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2217.991+/-0.255 χ^2/NDF: 3114476.2/65

In: 2053.901+/-0.241 χ^2/NDF:2097671.1/53

Out: 2063.758+/-0.235 χ^2/NDF:2002301.1/59

All: 2058.941+/-0.168 χ^2/NDF: 4100830.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 42.1/34

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

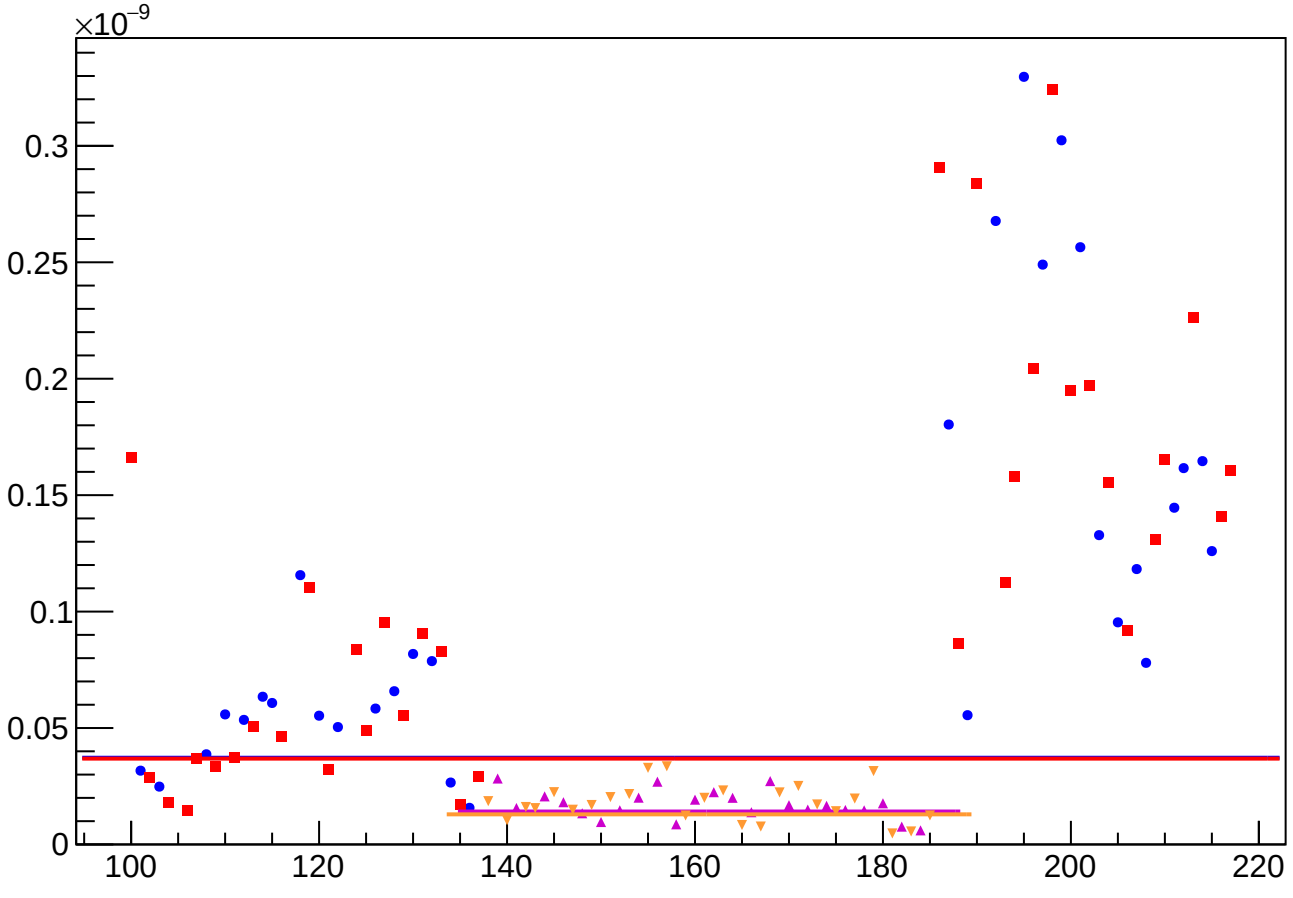
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 81.5/65

In: -0.000+/-0.000 χ^2/NDF:65.1/53

Out: 0.000+/-0.000 χ^2/NDF:83.8/59

All: -0.000+/-0.000 χ^2/NDF: 150.2/113



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: 8595956.0/34

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

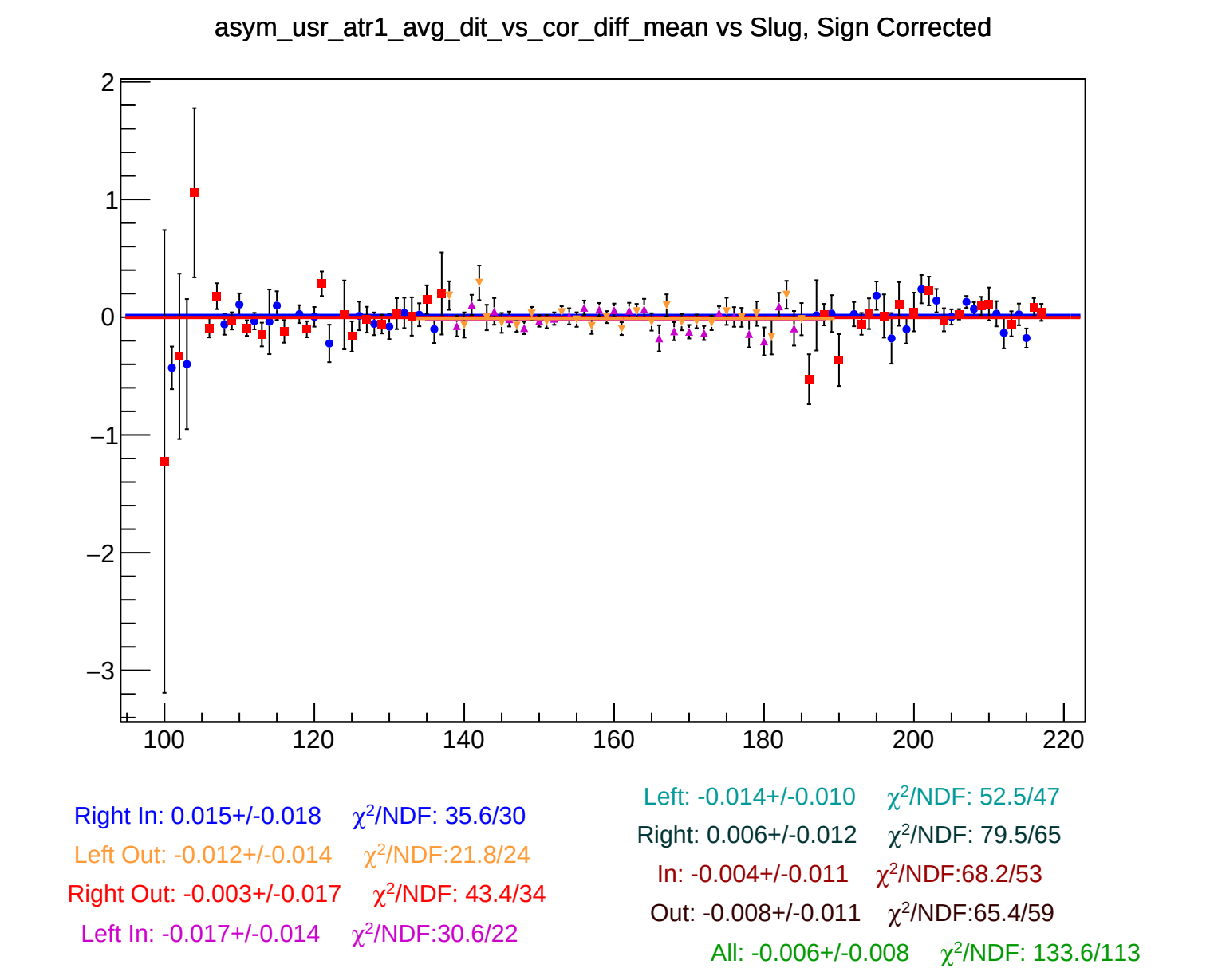
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

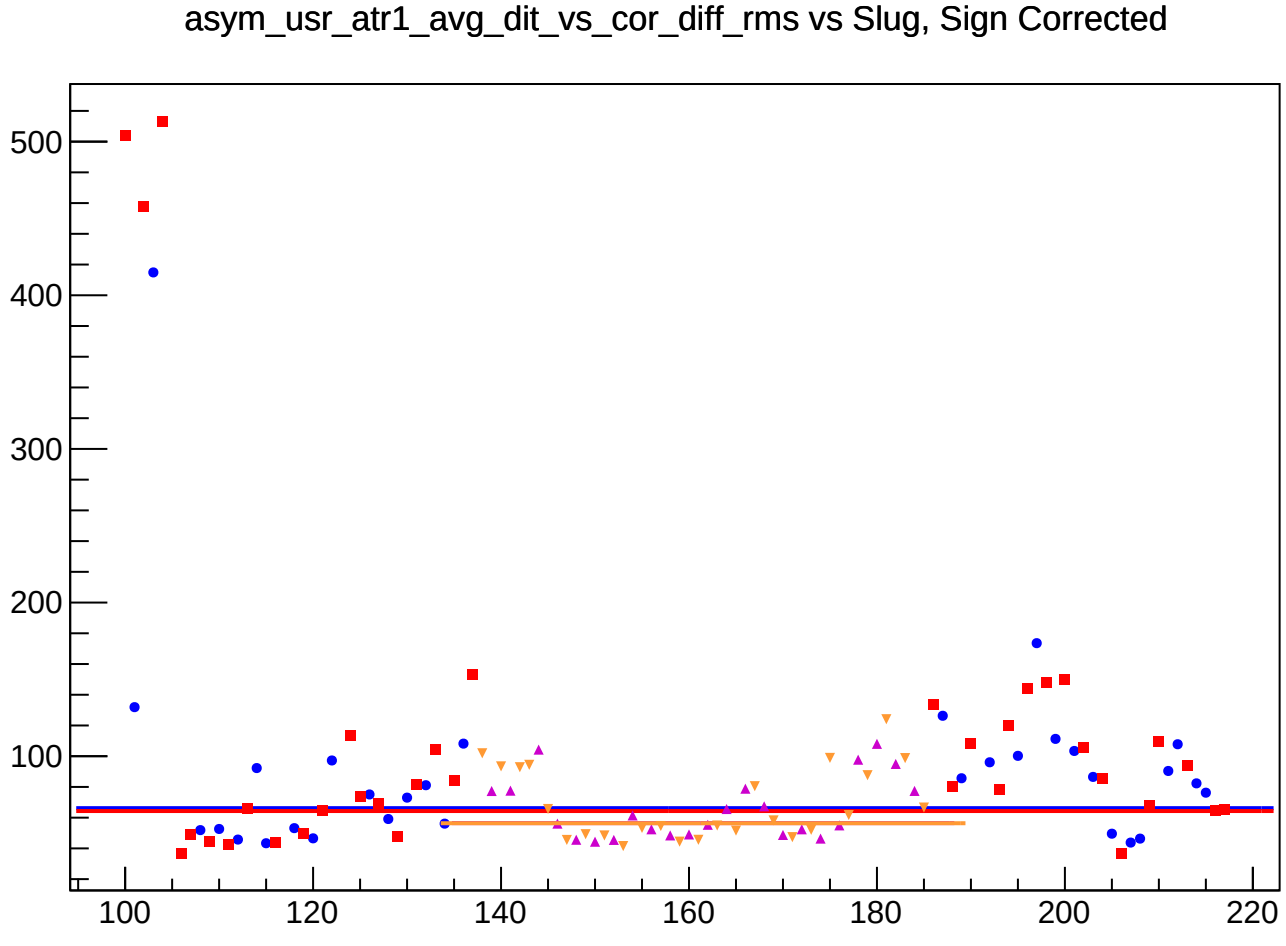
Right: 0.000+/-0.000 χ^2/NDF: 16889662.6/65

In: 0.000+/-0.000 χ^2/NDF:12704224.2/53

Out: 0.000+/-0.000 χ^2/NDF:14492230.4/59

All: 0.000+/-0.000 χ^2/NDF: 27265732.4/113


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: -0.003+/-0.017 χ²/NDF: 43.4/34
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.006+/-0.012 χ²/NDF: 79.5/65
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.008+/-0.011 χ²/NDF:65.4/59
All: -0.006+/-0.008 χ²/NDF: 133.6/113



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: 64.317+/-0.012 χ^2/NDF: 6405114.0/34

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

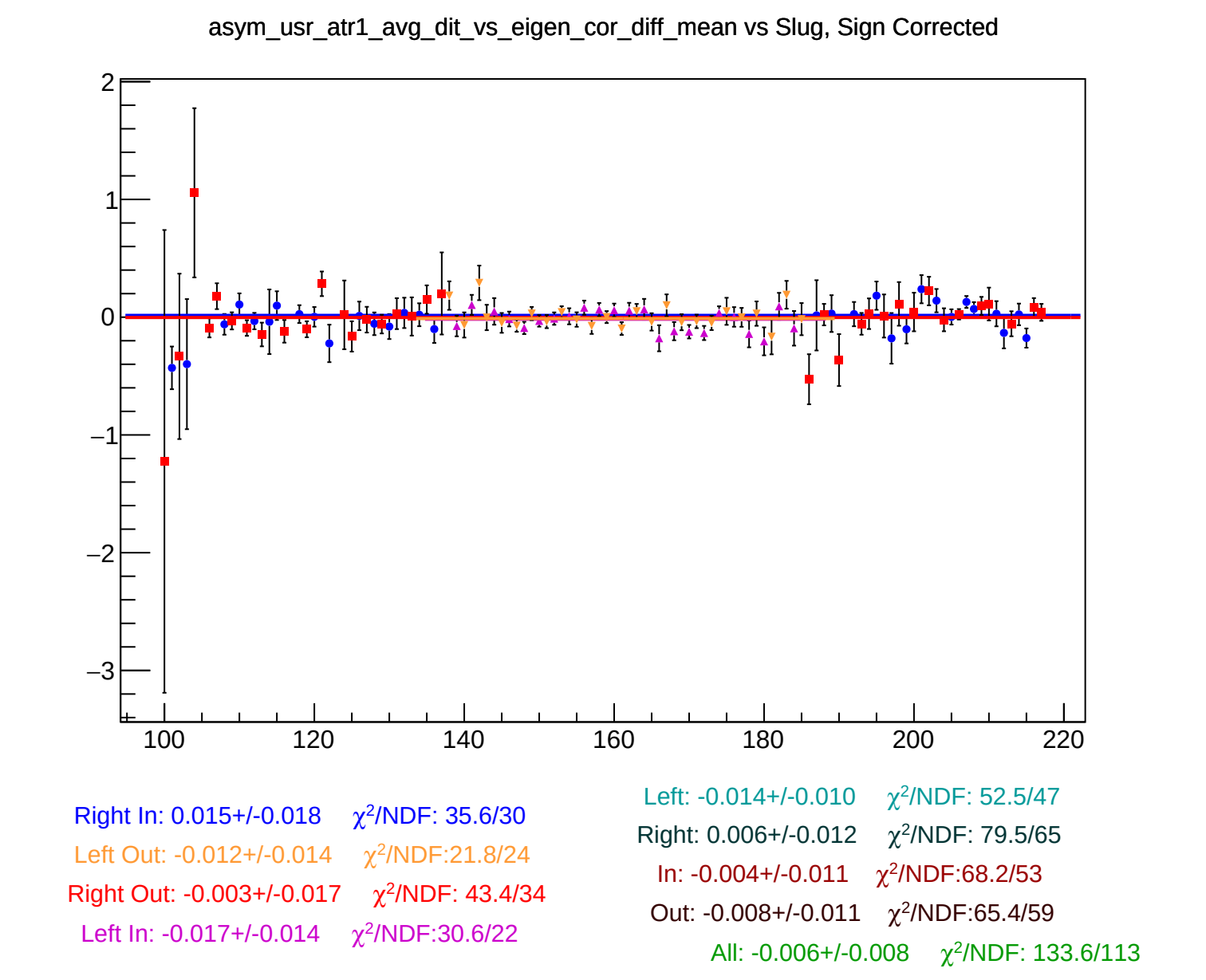
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.227+/-0.009 χ^2/NDF: 11055692.2/65

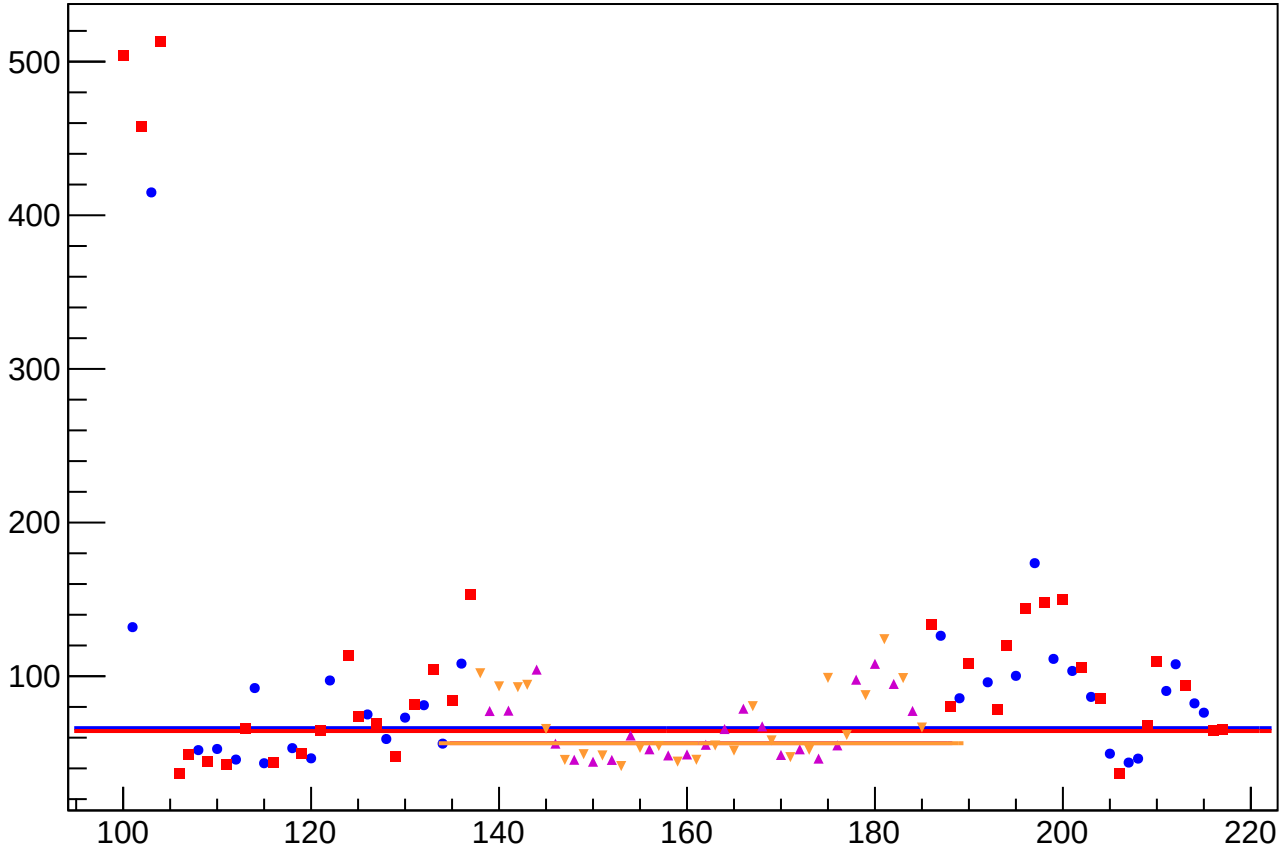
In: 60.397+/-0.008 χ^2/NDF:7143195.4/53

Out: 59.647+/-0.008 χ^2/NDF:9456191.3/59

All: 60.016+/-0.006 χ^2/NDF: 16603969.4/113


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: -0.003+/-0.017 χ²/NDF: 43.4/34
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.006+/-0.012 χ²/NDF: 79.5/65
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.008+/-0.011 χ²/NDF:65.4/59
All: -0.006+/-0.008 χ²/NDF: 133.6/113

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: 64.317+/-0.012 χ^2/NDF: 6405114.0/34

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

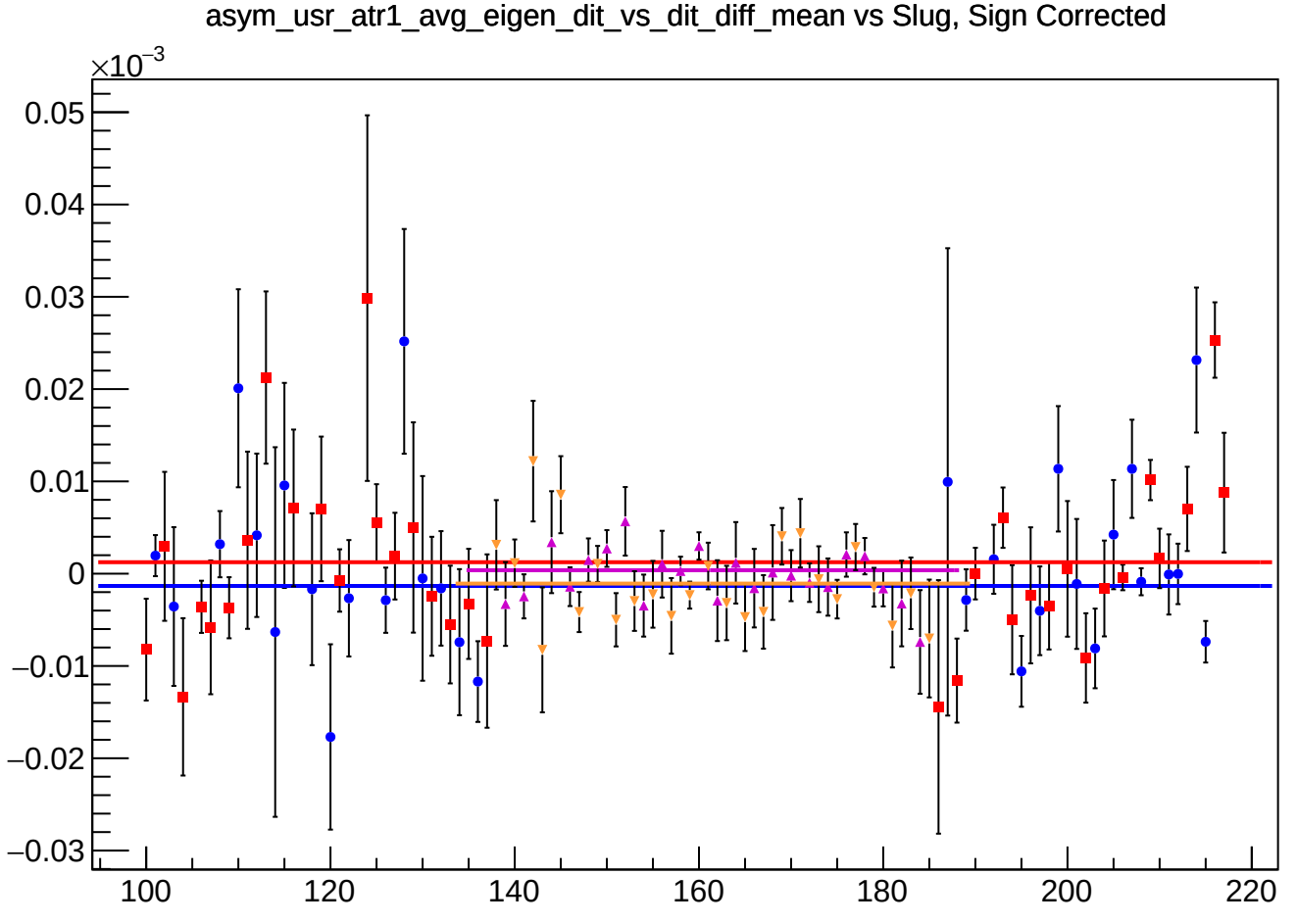
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.227+/-0.009 χ^2/NDF: 11055692.2/65

In: 60.397+/-0.008 χ^2/NDF:7143195.4/53

Out: 59.647+/-0.008 χ^2/NDF:9456191.3/59

All: 60.016+/-0.006 χ^2/NDF: 16603969.4/113



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: 98.7/34

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

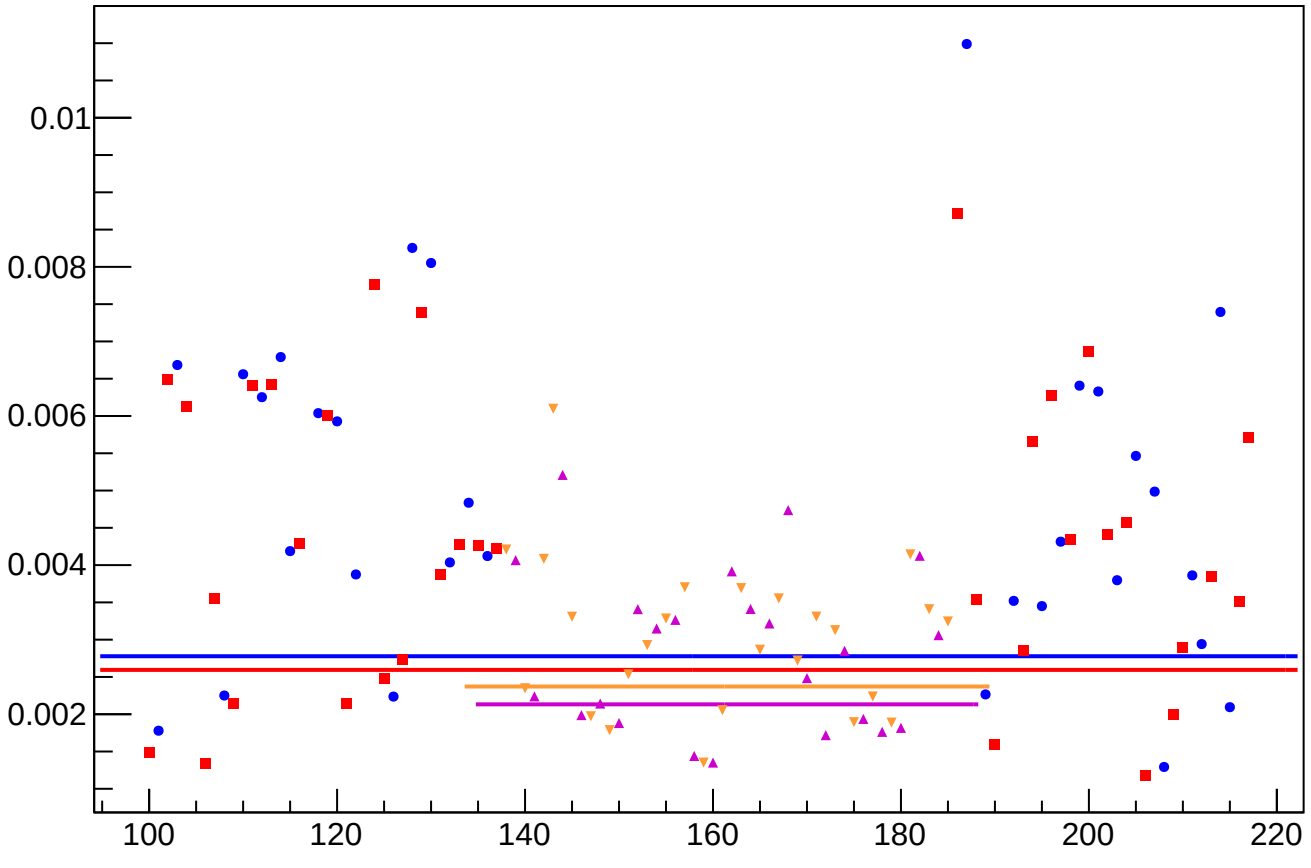
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: 0.000+/-0.000 χ^2/NDF: 165.1/65

In: -0.000+/-0.000 χ^2/NDF:80.9/53

Out: -0.000+/-0.000 χ^2/NDF:136.8/59

All: -0.000+/-0.000 χ^2/NDF: 217.8/113



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: 9710488.6/34

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

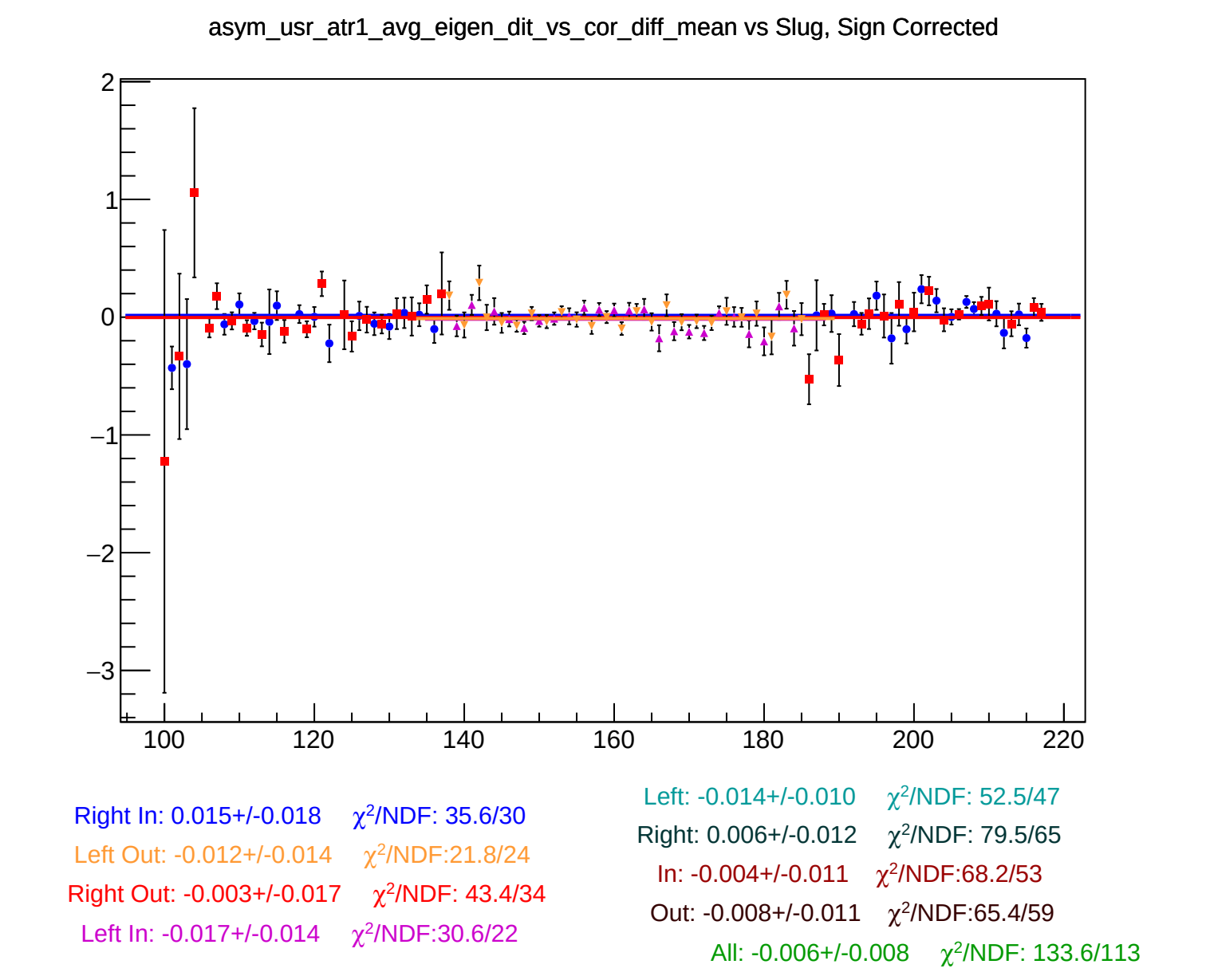
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 18797485.1/65

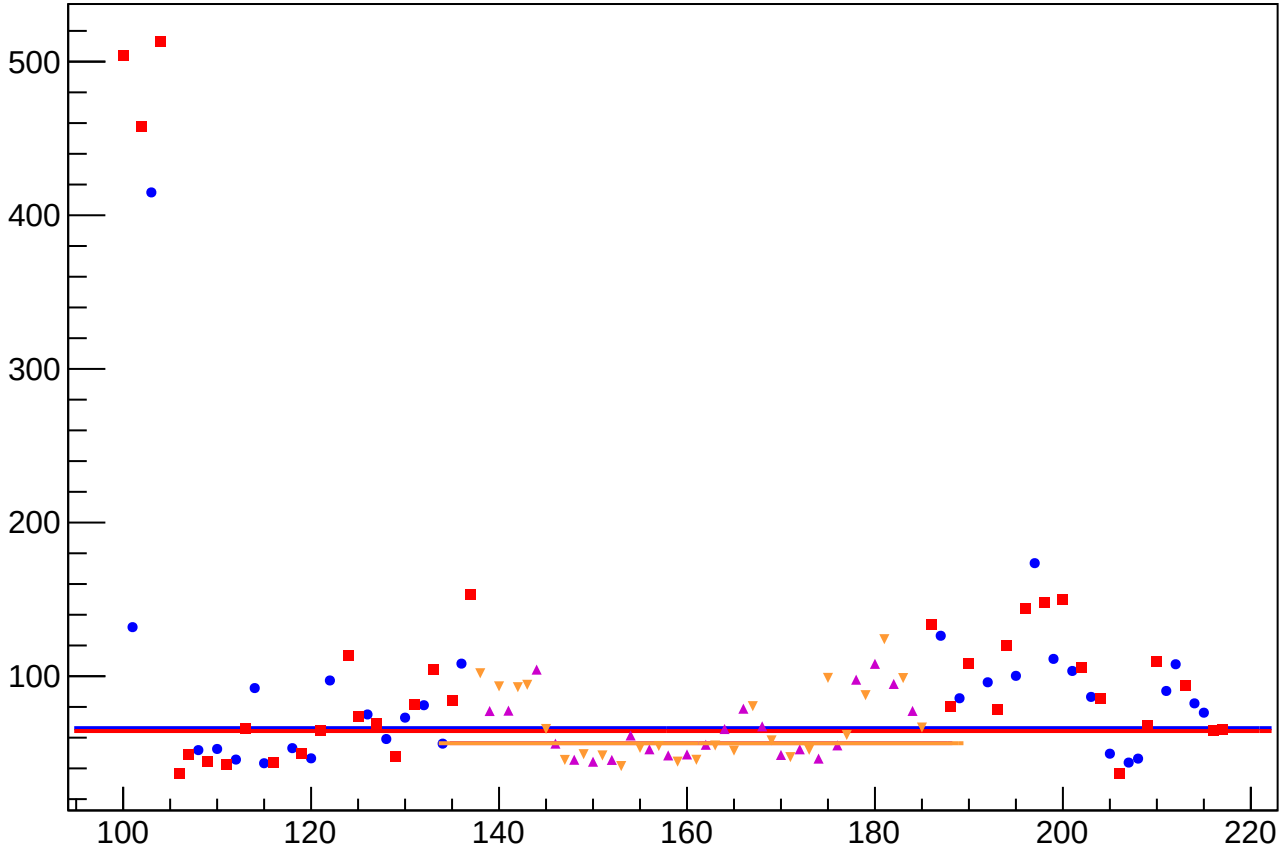
In: 0.002+/-0.000 χ^2/NDF:14538854.7/53

Out: 0.002+/-0.000 χ^2/NDF:13992485.1/59

All: 0.002+/-0.000 χ^2/NDF: 28591270.9/113


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: -0.003+/-0.017 χ²/NDF: 43.4/34
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.006+/-0.012 χ²/NDF: 79.5/65
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.008+/-0.011 χ²/NDF:65.4/59
All: -0.006+/-0.008 χ²/NDF: 133.6/113

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: 64.317+/-0.012 χ^2/NDF: 6405159.4/34

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

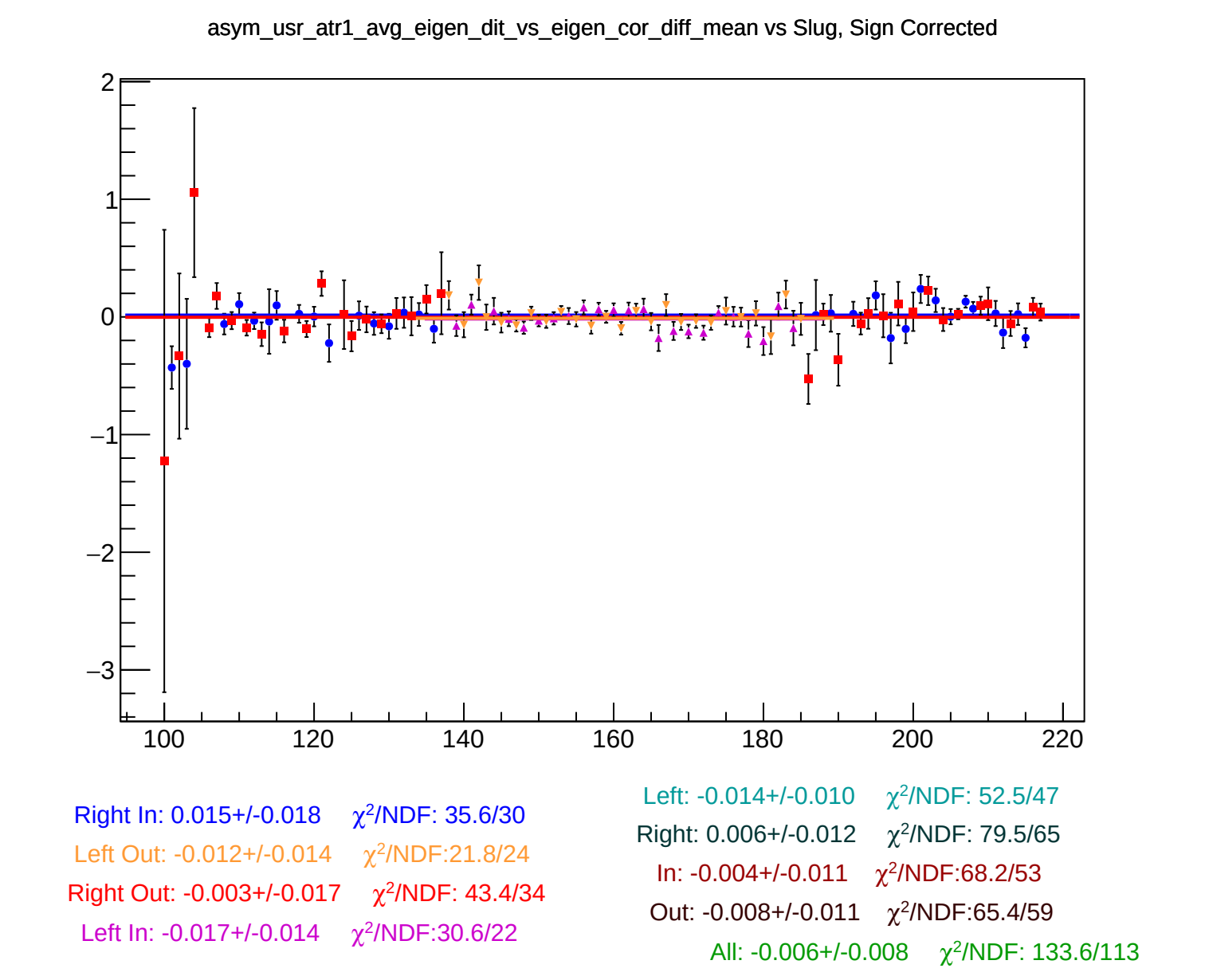
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.227+/-0.009 χ^2/NDF: 11055704.1/65

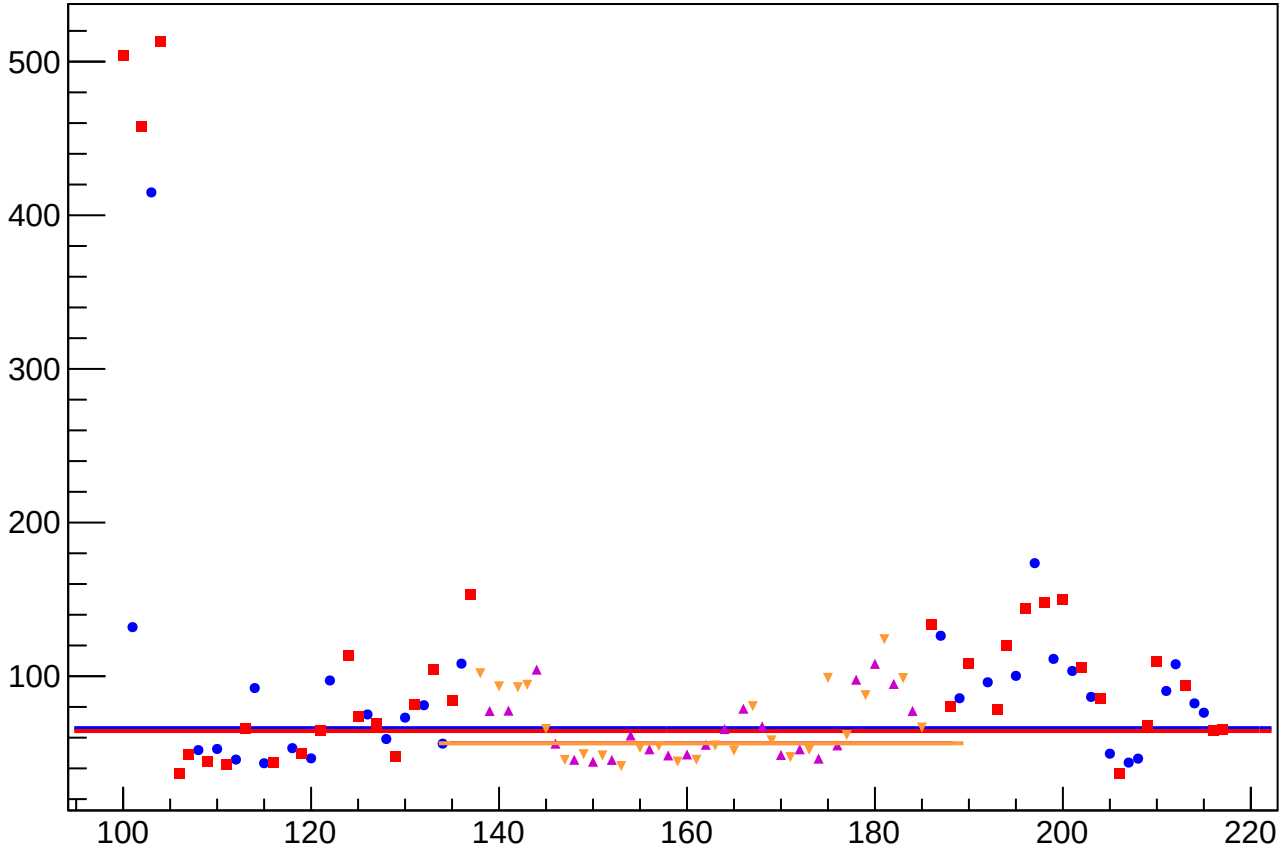
In: 60.397+/-0.008 χ^2/NDF:7143112.7/53

Out: 59.647+/-0.008 χ^2/NDF:9456267.6/59

All: 60.016+/-0.006 χ^2/NDF: 16603963.4/113


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.015+/-0.018 χ²/NDF: 35.6/30
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.003+/-0.017 χ²/NDF: 43.4/34
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.006+/-0.012 χ²/NDF: 79.5/65
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.008+/-0.011 χ²/NDF:65.4/59
All: -0.006+/-0.008 χ²/NDF: 133.6/113

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: 64.317+/-0.012 χ^2/NDF: 6405159.4/34

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

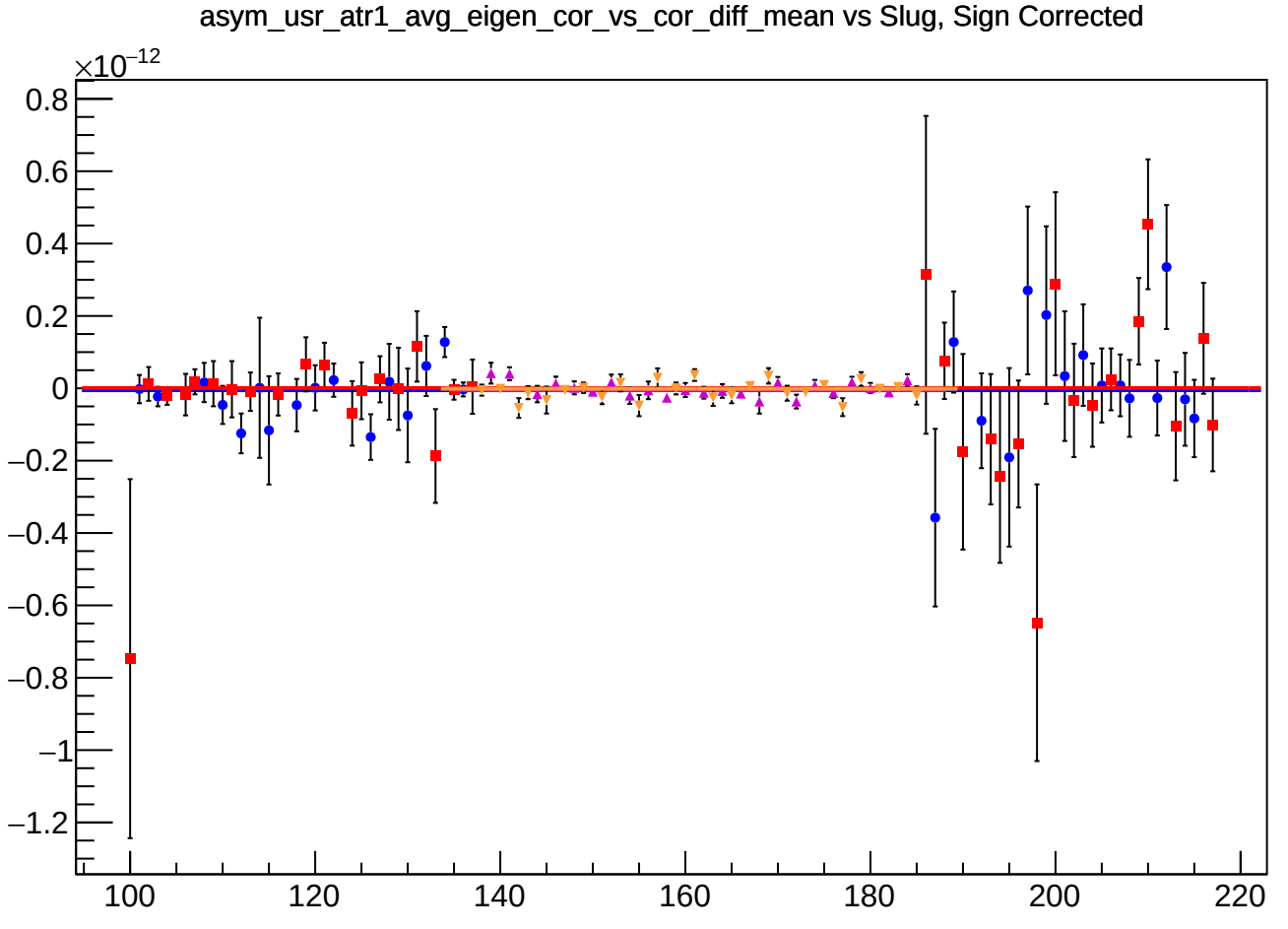
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.227+/-0.009 χ^2/NDF: 11055704.1/65

In: 60.397+/-0.008 χ^2/NDF:7143112.7/53

Out: 59.647+/-0.008 χ^2/NDF:9456267.6/59

All: 60.016+/-0.006 χ^2/NDF: 16603963.4/113



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: 28.7/34

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

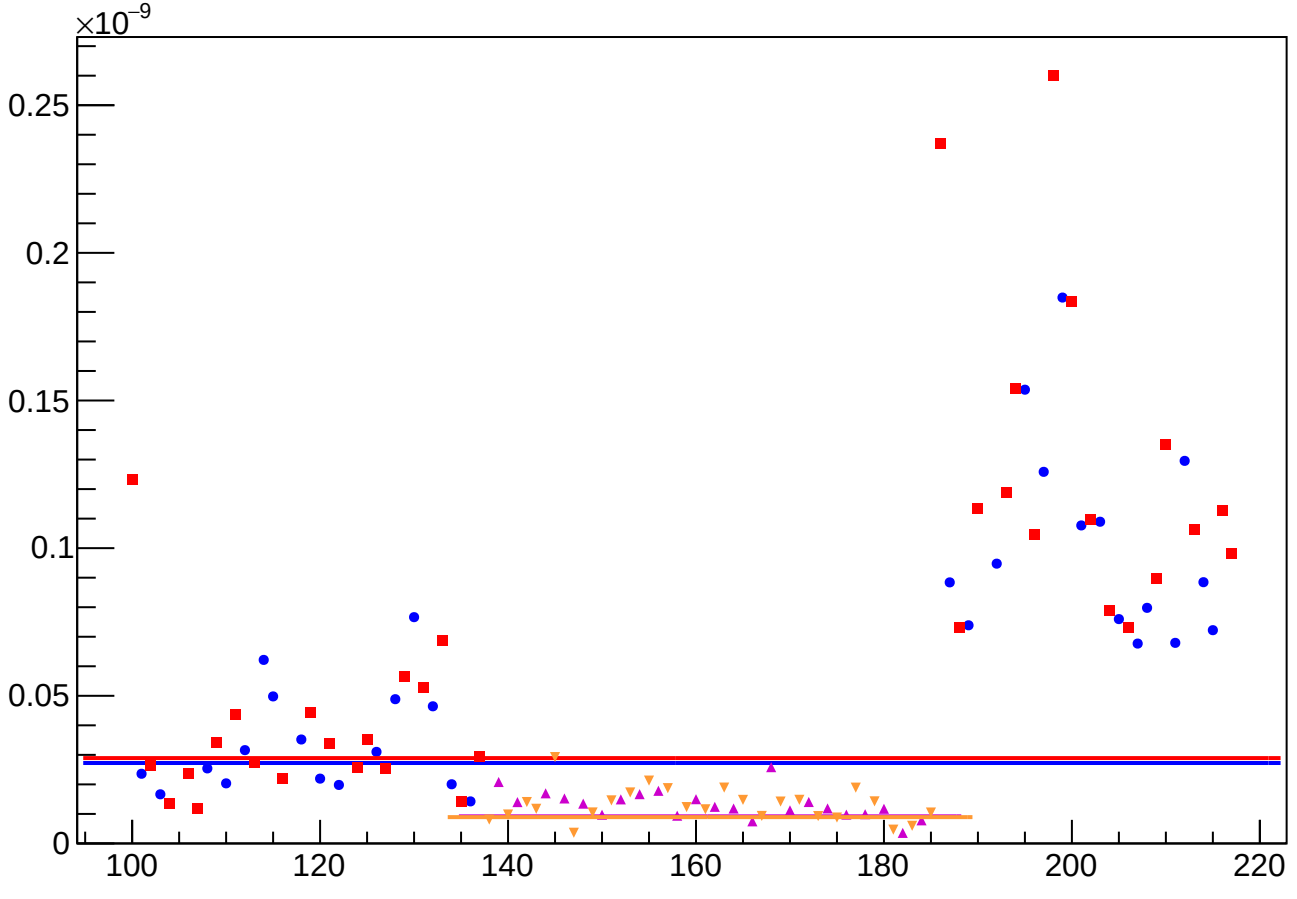
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 62.7/65

In: -0.000+/-0.000 χ^2/NDF:62.2/53

Out: -0.000+/-0.000 χ^2/NDF:58.4/59

All: -0.000+/-0.000 χ^2/NDF: 121.5/113



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: 10877394.6/34

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

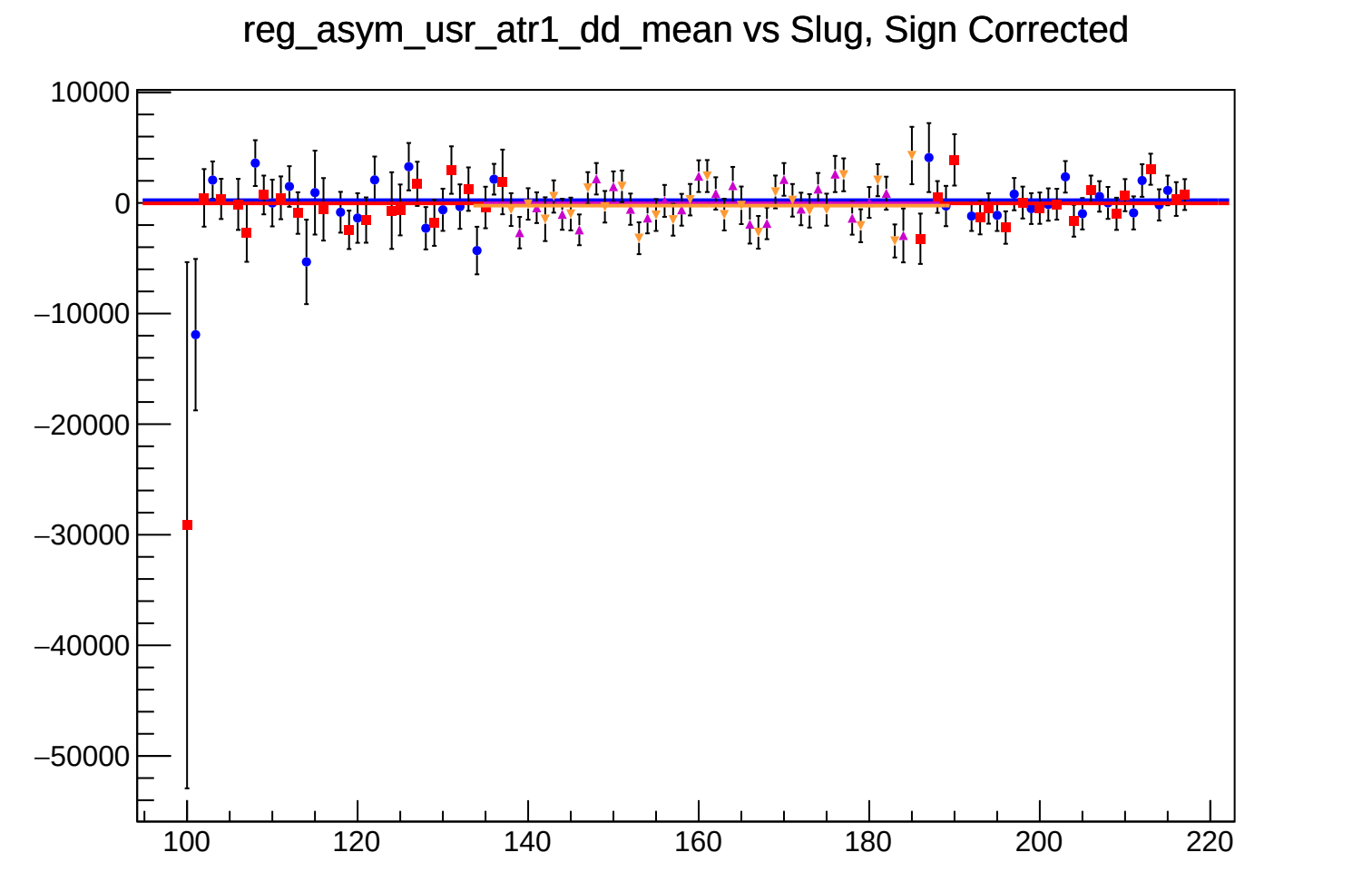
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 19823789.0/65

In: 0.000+/-0.000 χ^2/NDF:19270468.1/53

Out: 0.000+/-0.000 χ^2/NDF:21762045.0/59

All: 0.000+/-0.000 χ^2/NDF: 41046929.3/113



Right In: 250.933+/-307.237 χ^2/NDF: 31.4/30

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -37.536+/-298.155 χ^2/NDF: 26.2/34

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

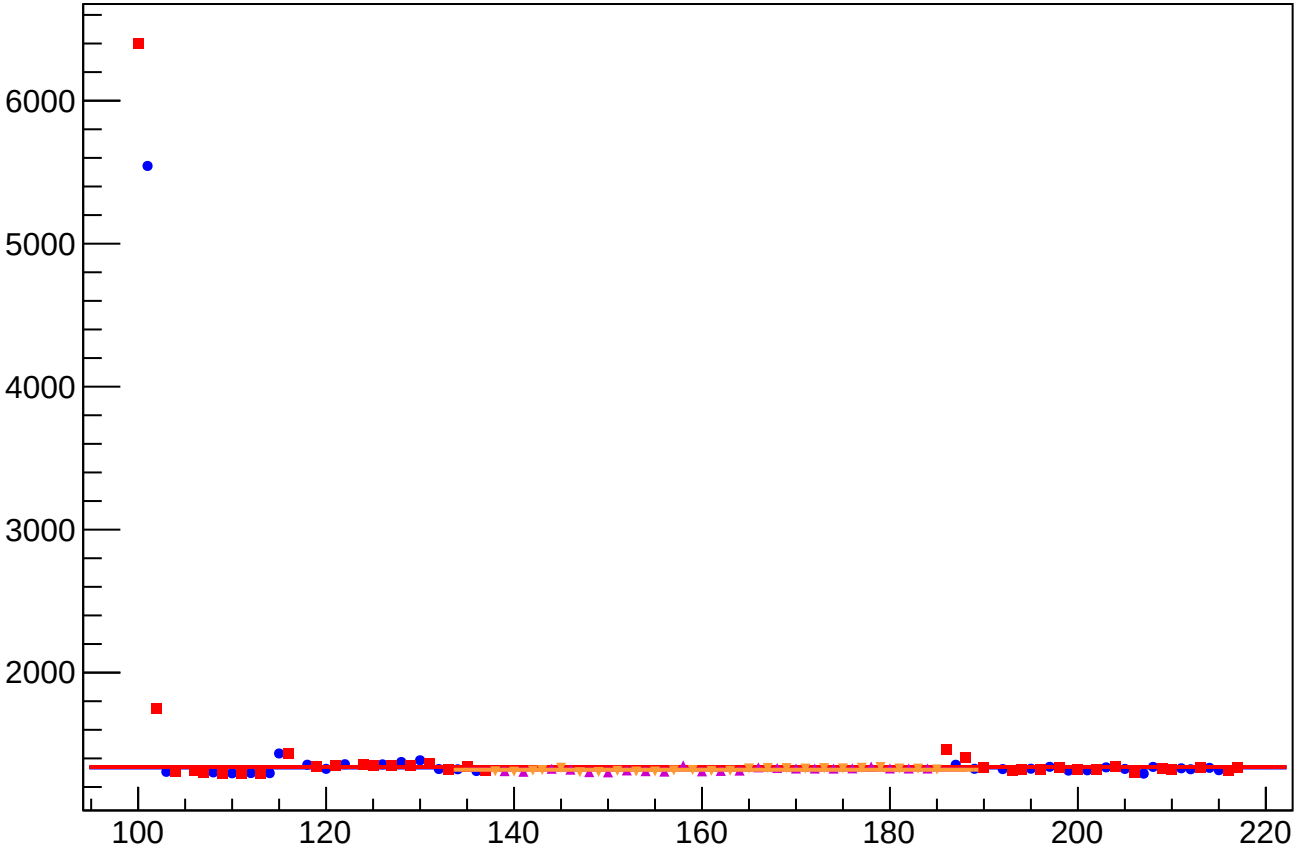
Right: 102.371+/-213.966 χ^2/NDF: 58.0/65

In: 106.557+/-217.737 χ^2/NDF:58.9/53

Out: -138.575+/-211.479 χ^2/NDF:58.1/59

All: -19.582+/-151.703 χ^2/NDF: 117.7/113

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: 1339.863+/-0.211 χ^2/NDF: 162610.0/34

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

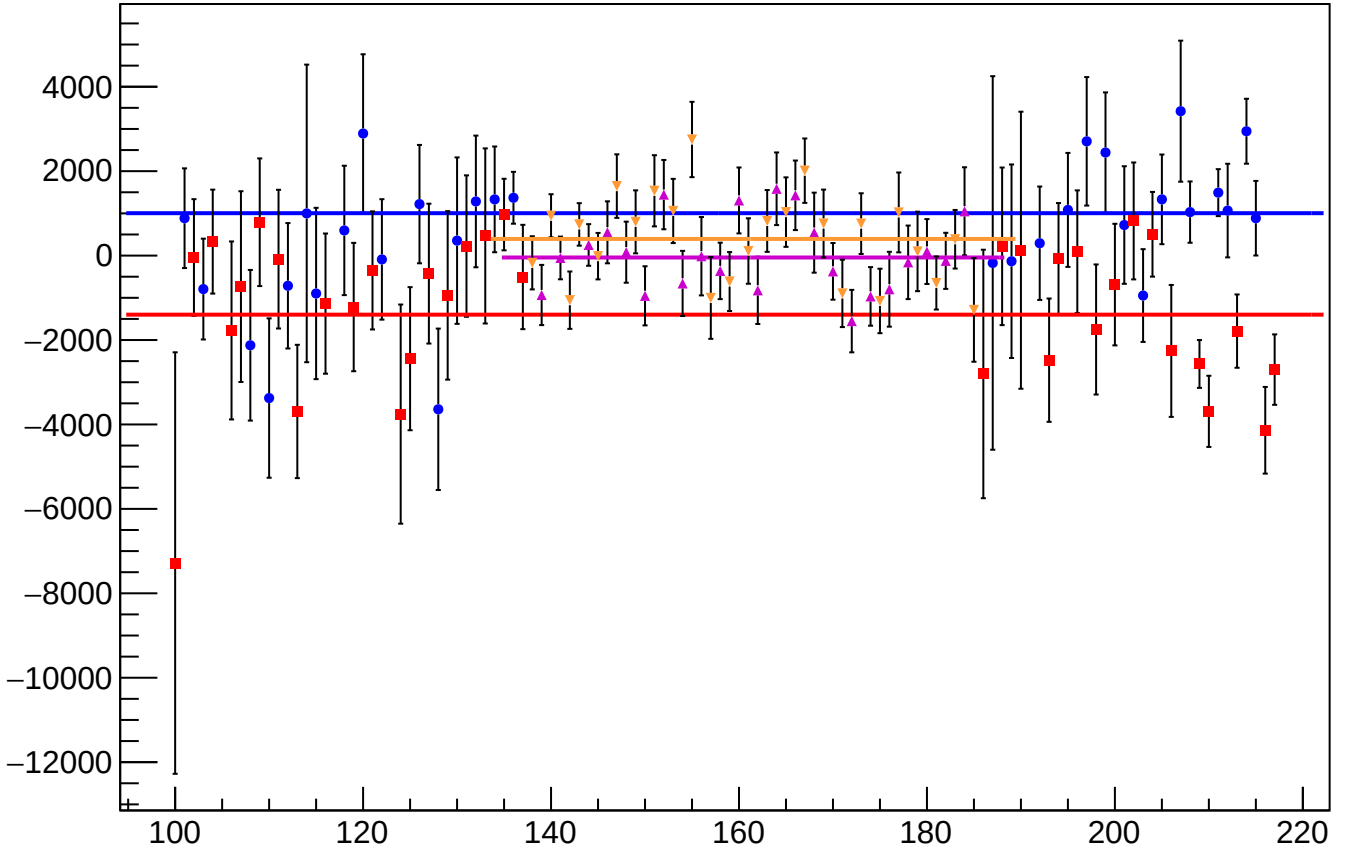
Right: 1338.197+/-0.151 χ^2/NDF: 929819.1/65

In: 1329.138+/-0.154 χ^2/NDF:772895.2/53

Out: 1330.361+/-0.150 χ^2/NDF:169300.4/59

All: 1329.767+/-0.107 χ^2/NDF: 942228.1/113

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



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: -1399.266+/-218.324 χ^2/NDF: 53.5/34

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

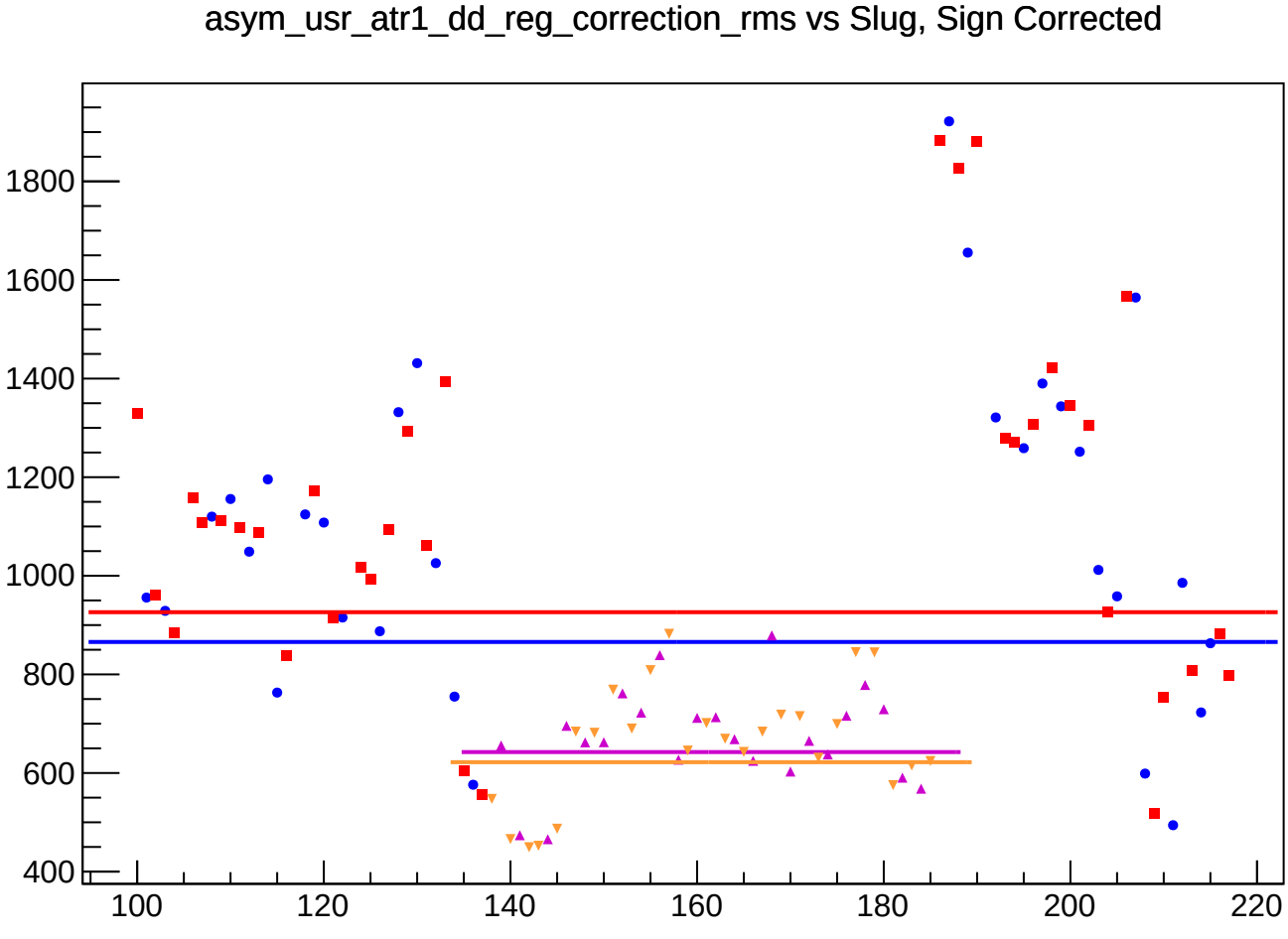
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -155.164+/-151.649 χ^2/NDF: 152.8/65

In: 315.247+/-123.469 χ^2/NDF:80.4/53

Out: -152.203+/-120.534 χ^2/NDF:142.3/59

All: 75.900+/-86.249 χ^2/NDF: 230.0/113



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: 926.181+/-0.154 χ^2/NDF: 4169426.6/34

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

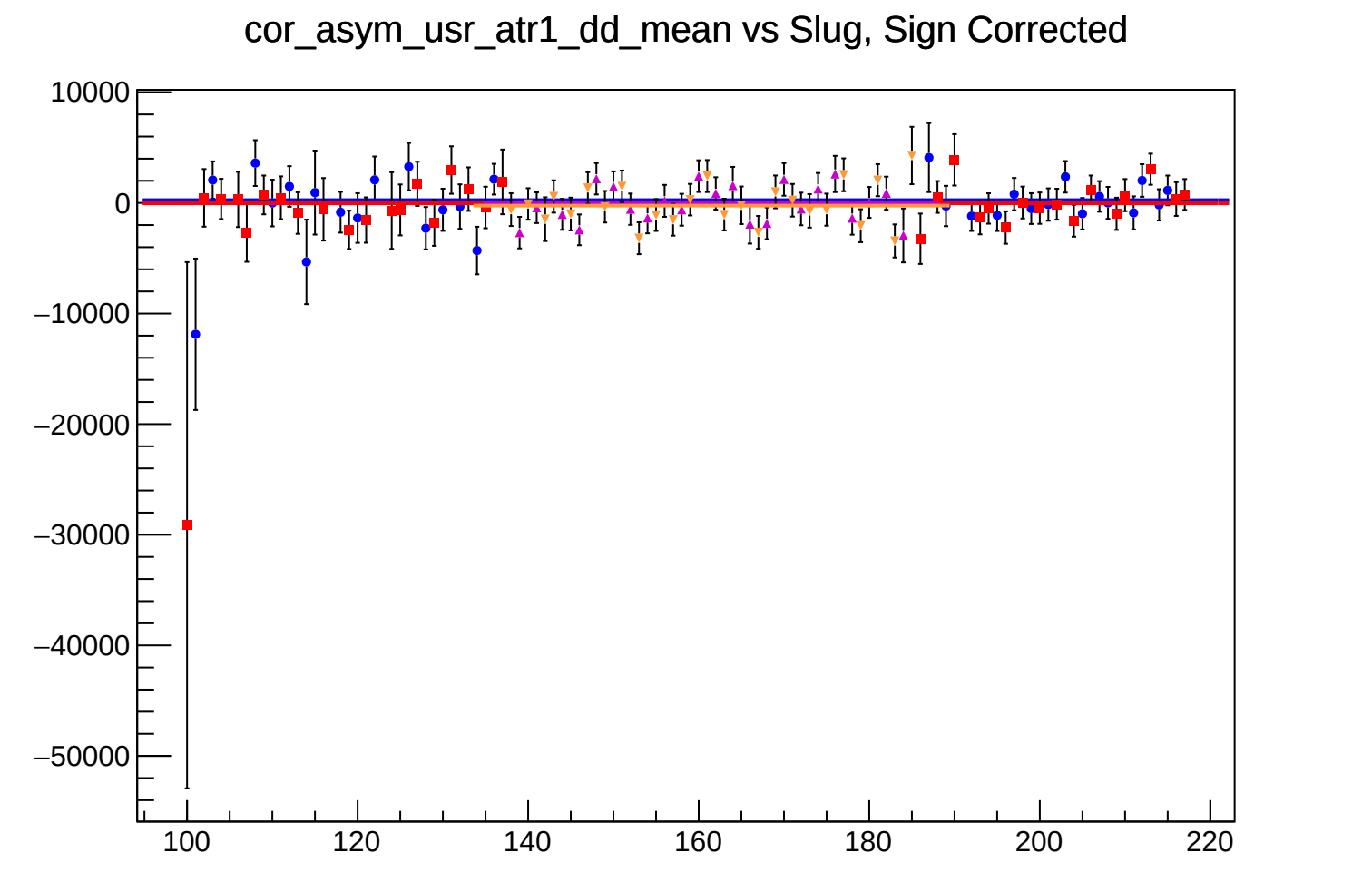
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 894.929+/-0.107 χ^2/NDF: 8288316.8/65

In: 719.083+/-0.087 χ^2/NDF:6440647.1/53

Out: 714.679+/-0.085 χ^2/NDF:8252768.1/59

All: 716.828+/-0.061 χ^2/NDF: 14694717.6/11



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: -31.075+/-298.514 χ^2/NDF: 26.2/34

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

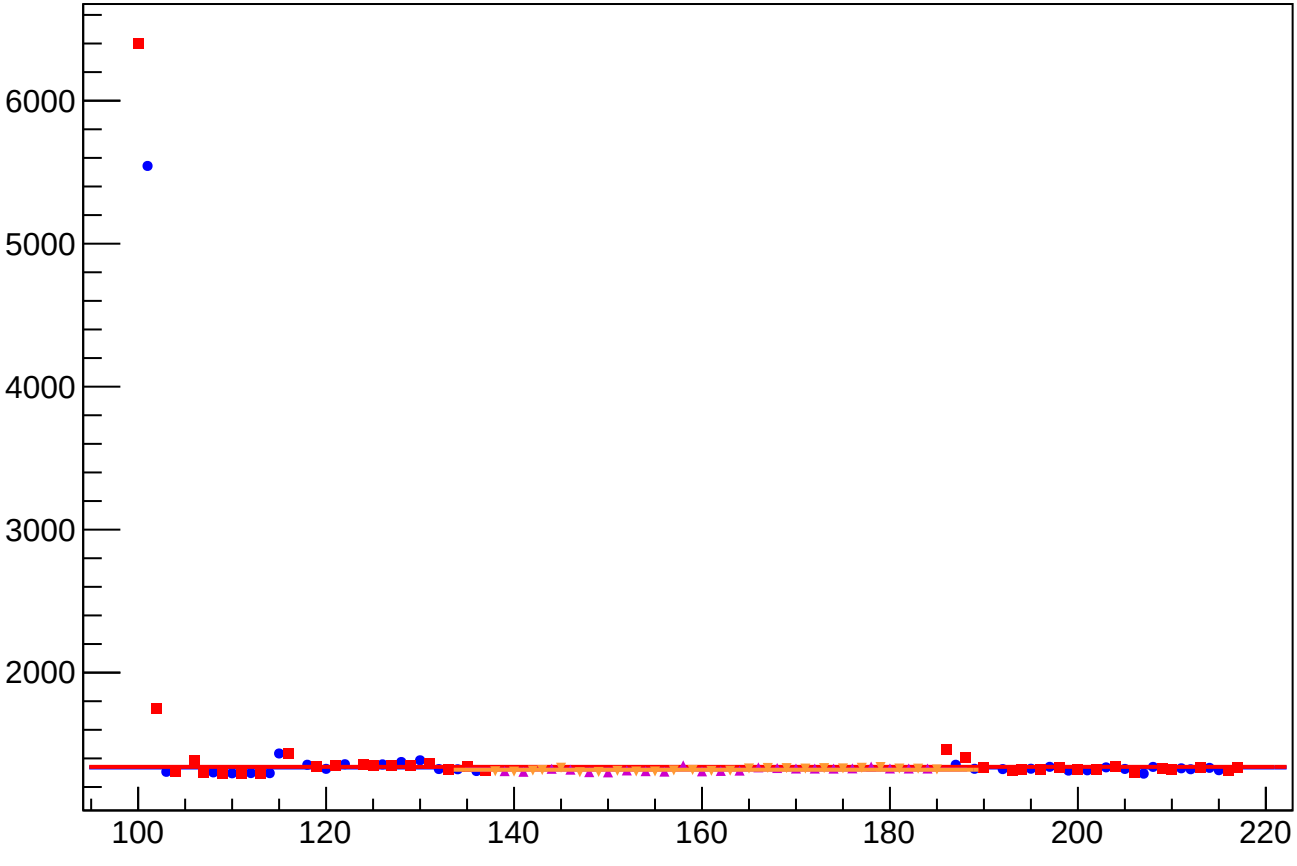
Right: 105.920+/-214.099 χ^2/NDF: 58.0/65

In: 106.576+/-217.737 χ^2/NDF:58.9/53

Out: -135.452+/-211.607 χ^2/NDF:58.2/59

All: -17.893+/-151.750 χ^2/NDF: 117.7/113

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: 1340.937+/-0.211 χ^2/NDF: 163165.4/34

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

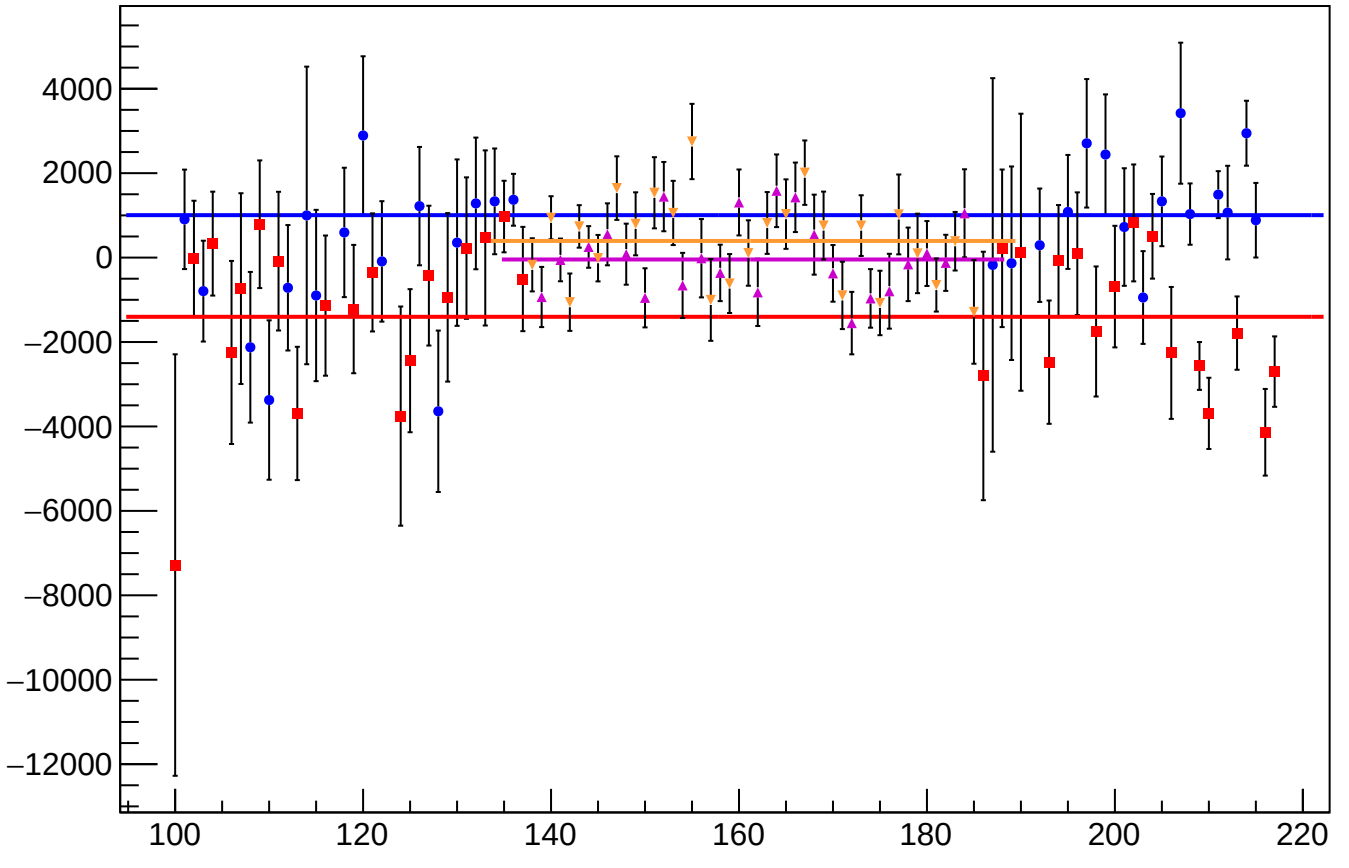
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.747+/-0.151 χ^2/NDF: 930466.4/65

In: 1329.138+/-0.154 χ^2/NDF:772894.2/53

Out: 1330.889+/-0.150 χ^2/NDF:170322.6/59

All: 1330.038+/-0.107 χ^2/NDF: 943283.3/113



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: -1402.486+/-218.325 χ^2/NDF: 53.7/34

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

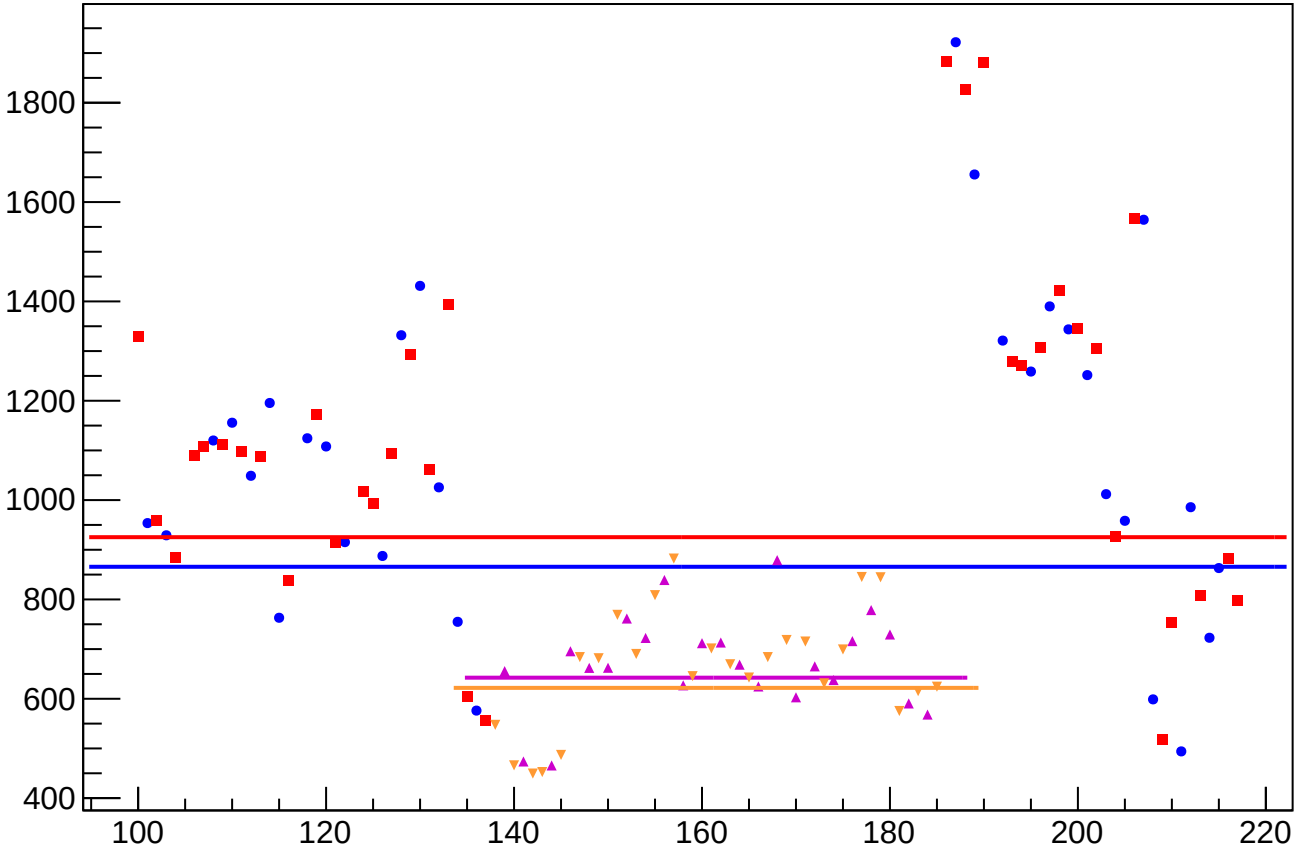
Right: -156.301+/-151.644 χ^2/NDF: 153.2/65

In: 315.502+/-123.465 χ^2/NDF:80.4/53

Out: -153.200+/-120.534 χ^2/NDF:142.7/59

All: 75.520+/-86.248 χ^2/NDF: 230.5/113

asym_usr_atr1_dd_cor_correction_rms vs Slug, Sign Corrected



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: 925.338+/-0.154 χ^2/NDF: 4156743.9/34

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

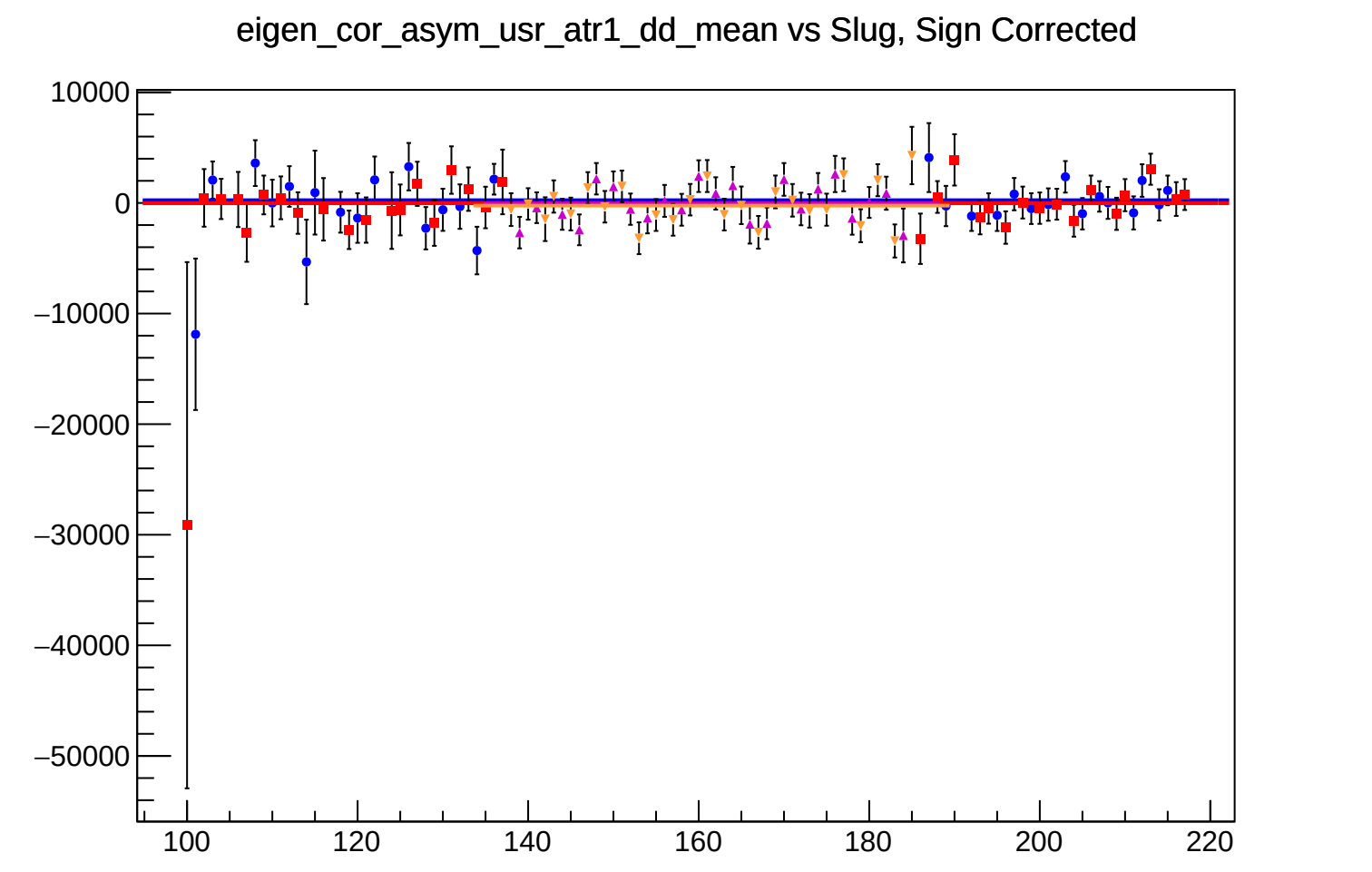
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 894.492+/-0.107 χ^2/NDF: 8273225.5/65

In: 719.067+/-0.087 χ^2/NDF:6439818.8/53

Out: 714.422+/-0.085 χ^2/NDF:8225031.7/59

All: 716.689+/-0.061 χ^2/NDF: 14666300.0/11



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: -31.075+/-298.514 χ^2/NDF: 26.2/34

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

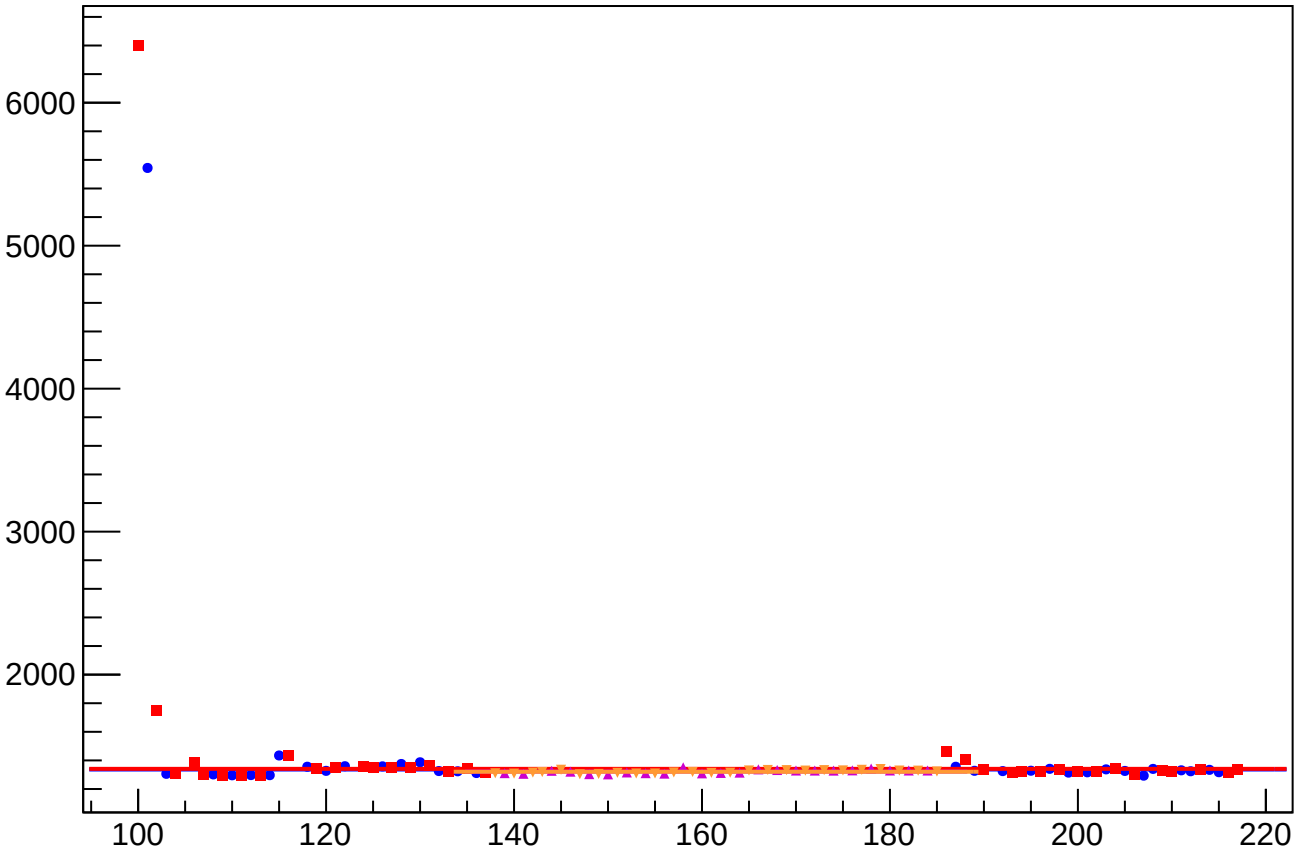
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 105.920+/-214.099 χ^2/NDF: 58.0/65

In: 106.576+/-217.737 χ^2/NDF:58.9/53

Out: -135.452+/-211.607 χ^2/NDF:58.2/59

All: -17.893+/-151.750 χ^2/NDF: 117.7/113



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: 1340.937+/-0.211 χ^2/NDF: 163165.4/34

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

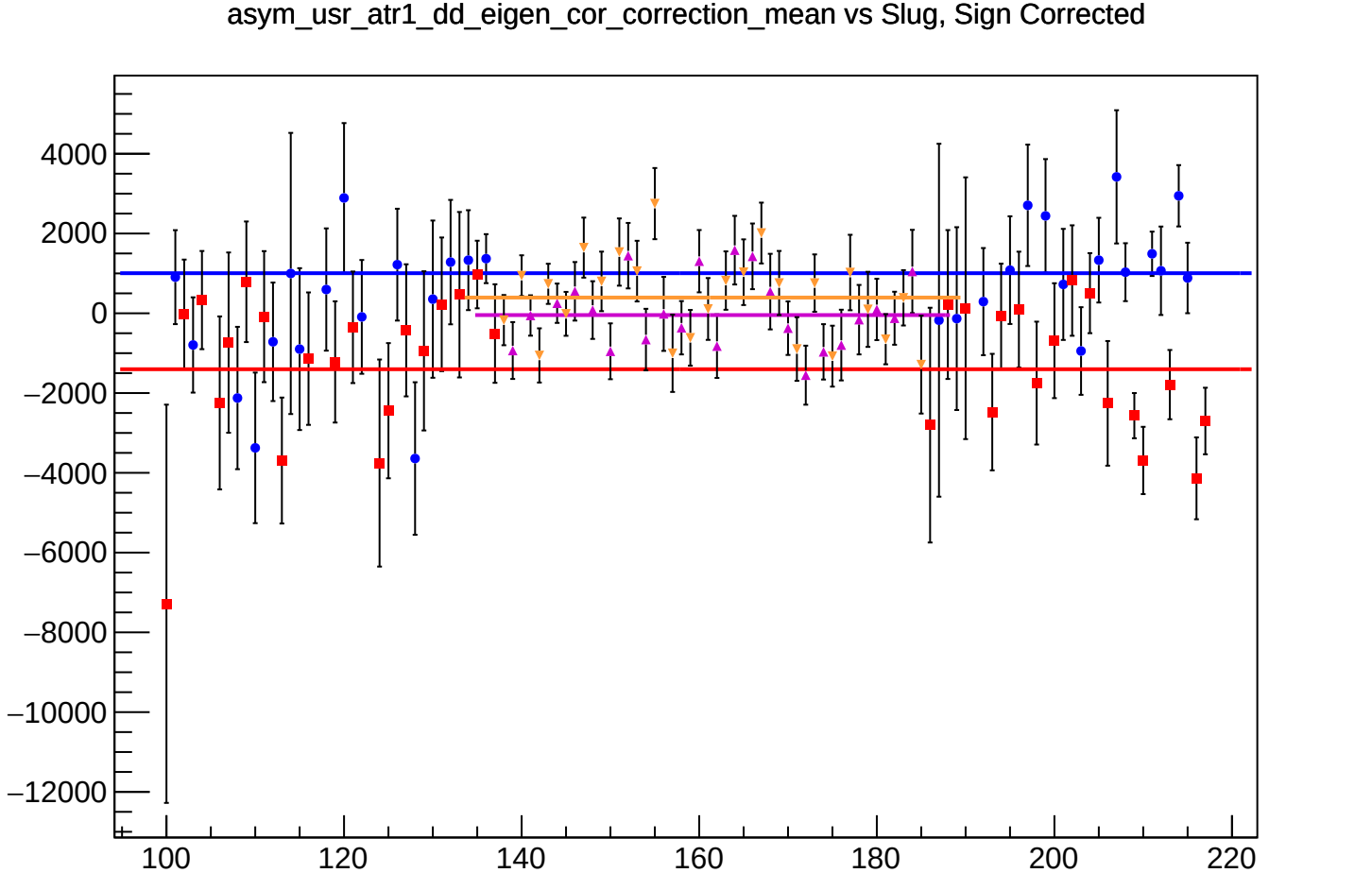
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.747+/-0.151 χ^2/NDF: 930466.4/65

In: 1329.138+/-0.154 χ^2/NDF:772894.2/53

Out: 1330.889+/-0.150 χ^2/NDF:170322.6/59

All: 1330.038+/-0.107 χ^2/NDF: 943283.3/113



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: -1402.486+/-218.325 χ^2/NDF: 53.7/34

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

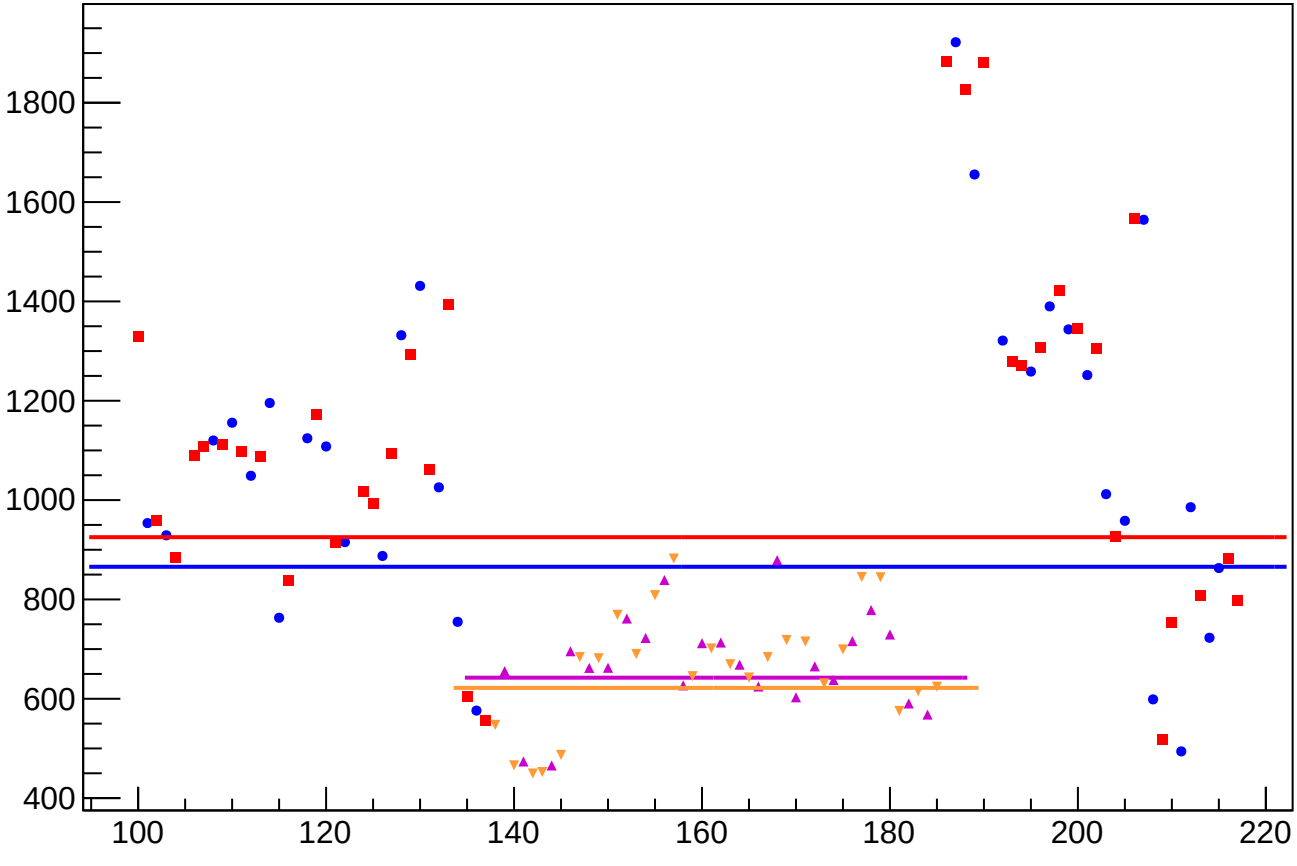
Right: -156.301+/-151.644 χ^2/NDF: 153.2/65

In: 315.502+/-123.465 χ^2/NDF:80.4/53

Out: -153.200+/-120.534 χ^2/NDF:142.7/59

All: 75.520+/-86.248 χ^2/NDF: 230.5/113

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 925.338+/-0.154 χ^2/NDF: 4156743.9/34

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

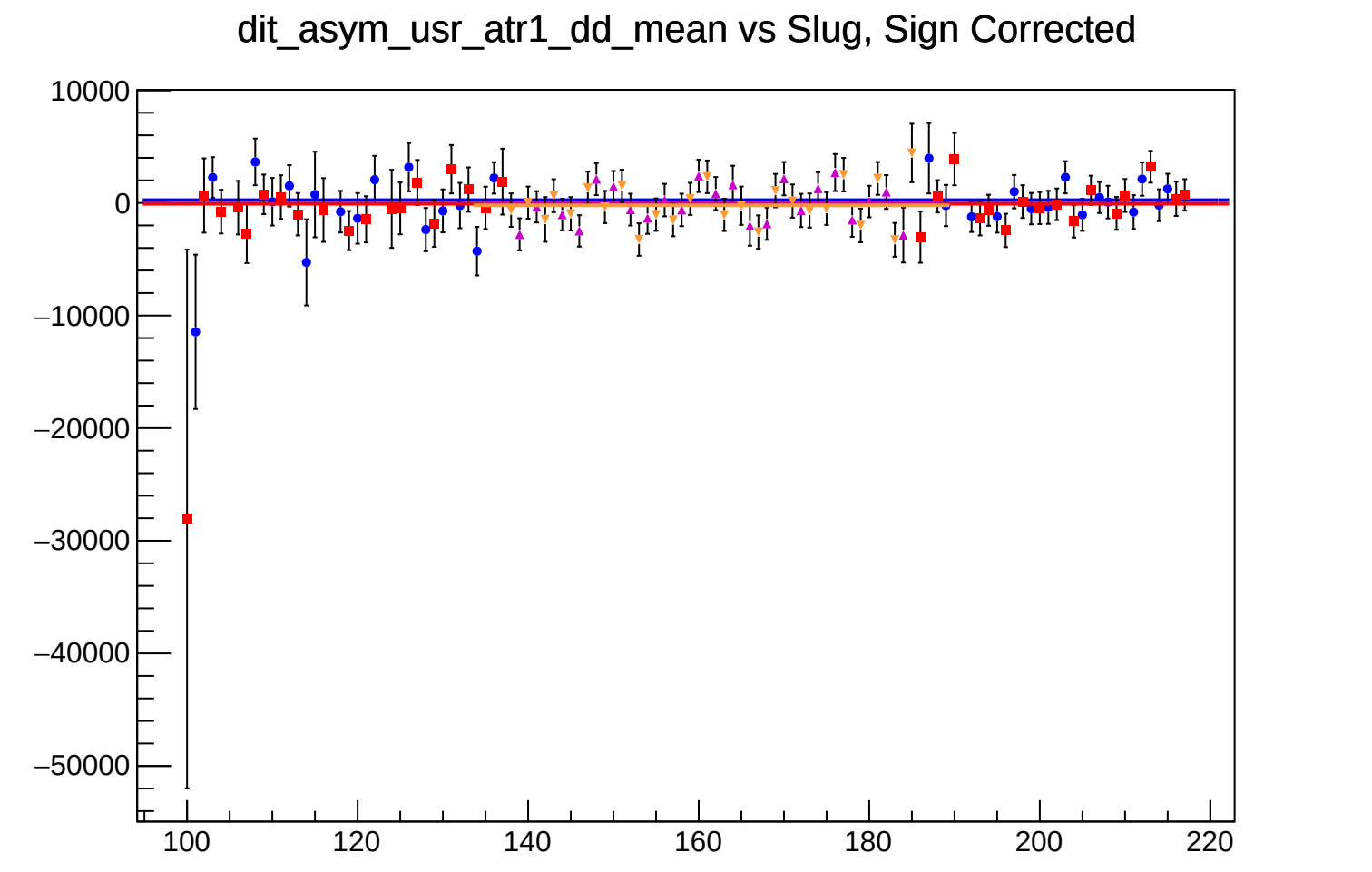
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 894.492+/-0.107 χ^2/NDF: 8273225.5/65

In: 719.067+/-0.087 χ^2/NDF:6439818.8/53

Out: 714.422+/-0.085 χ^2/NDF:8225031.7/59

All: 716.689+/-0.061 χ^2/NDF: 14666300.0/11



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: -76.320+/-300.273 χ^2/NDF: 26.8/34

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

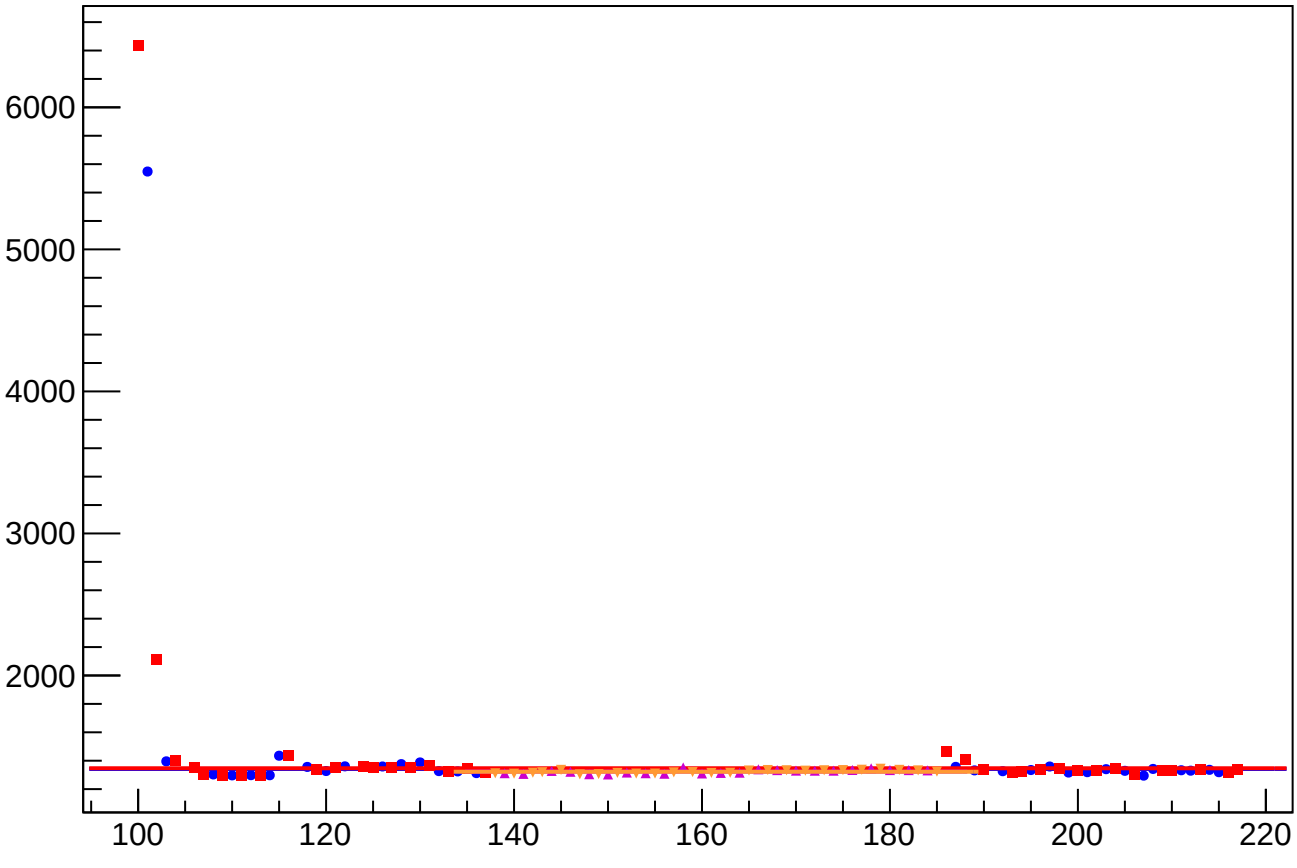
Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

Right: 79.729+/-215.175 χ^2/NDF: 59.0/65

In: 97.334+/-218.315 χ^2/NDF:59.9/53

Out: -145.652+/-212.363 χ^2/NDF:58.2/59

All: -27.517+/-152.224 χ^2/NDF: 118.7/113



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: 1346.766+/-0.212 χ^2/NDF: 221467.9/34

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

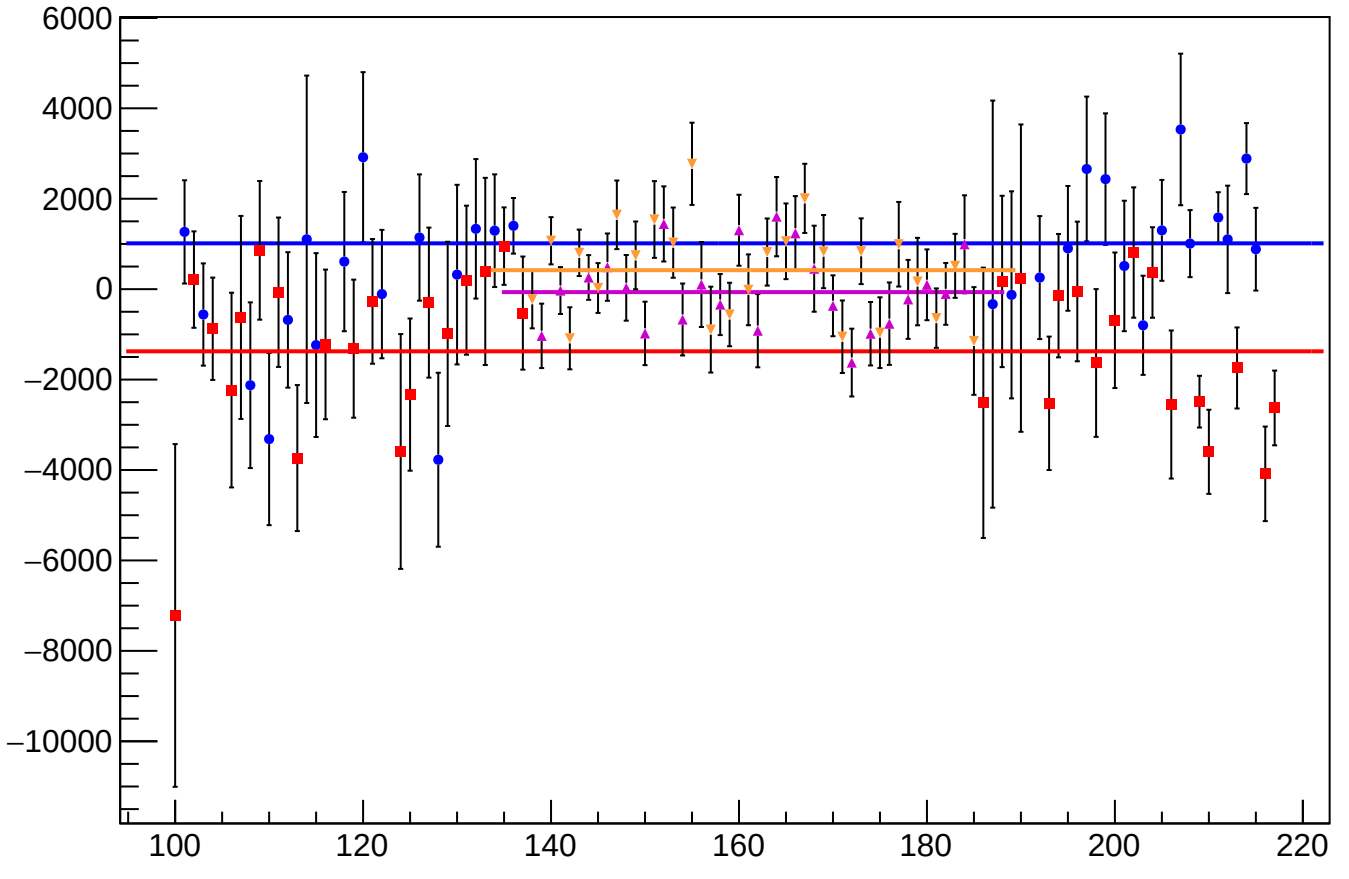
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1344.391+/-0.152 χ^2/NDF: 989829.6/65

In: 1332.626+/-0.154 χ^2/NDF:775569.9/53

Out: 1334.572+/-0.150 χ^2/NDF:230998.9/59

All: 1333.626+/-0.108 χ^2/NDF: 1006650.4/11



Right In: 1013.475+/-213.132 χ^2/NDF: 35.7/30

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -1374.727+/-219.558 χ^2/NDF: 49.5/34

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

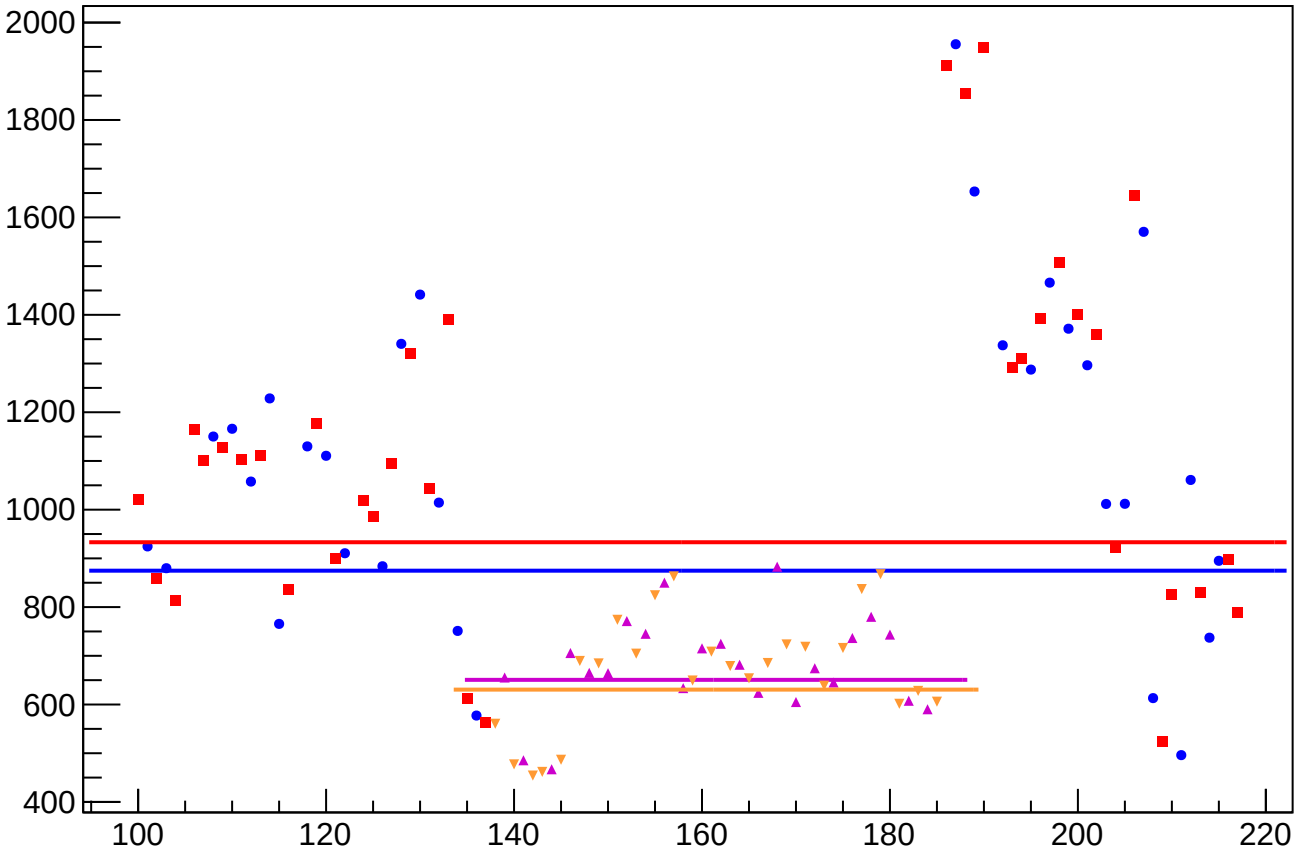
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -145.168+/-152.928 χ^2/NDF: 146.2/65

In: 305.367+/-124.944 χ^2/NDF:79.6/53

Out: -132.628+/-121.826 χ^2/NDF:137.3/59

All: 80.835+/-87.225 χ^2/NDF: 223.2/113



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: 933.143+/-0.155 χ^2/NDF: 4314288.5/34

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

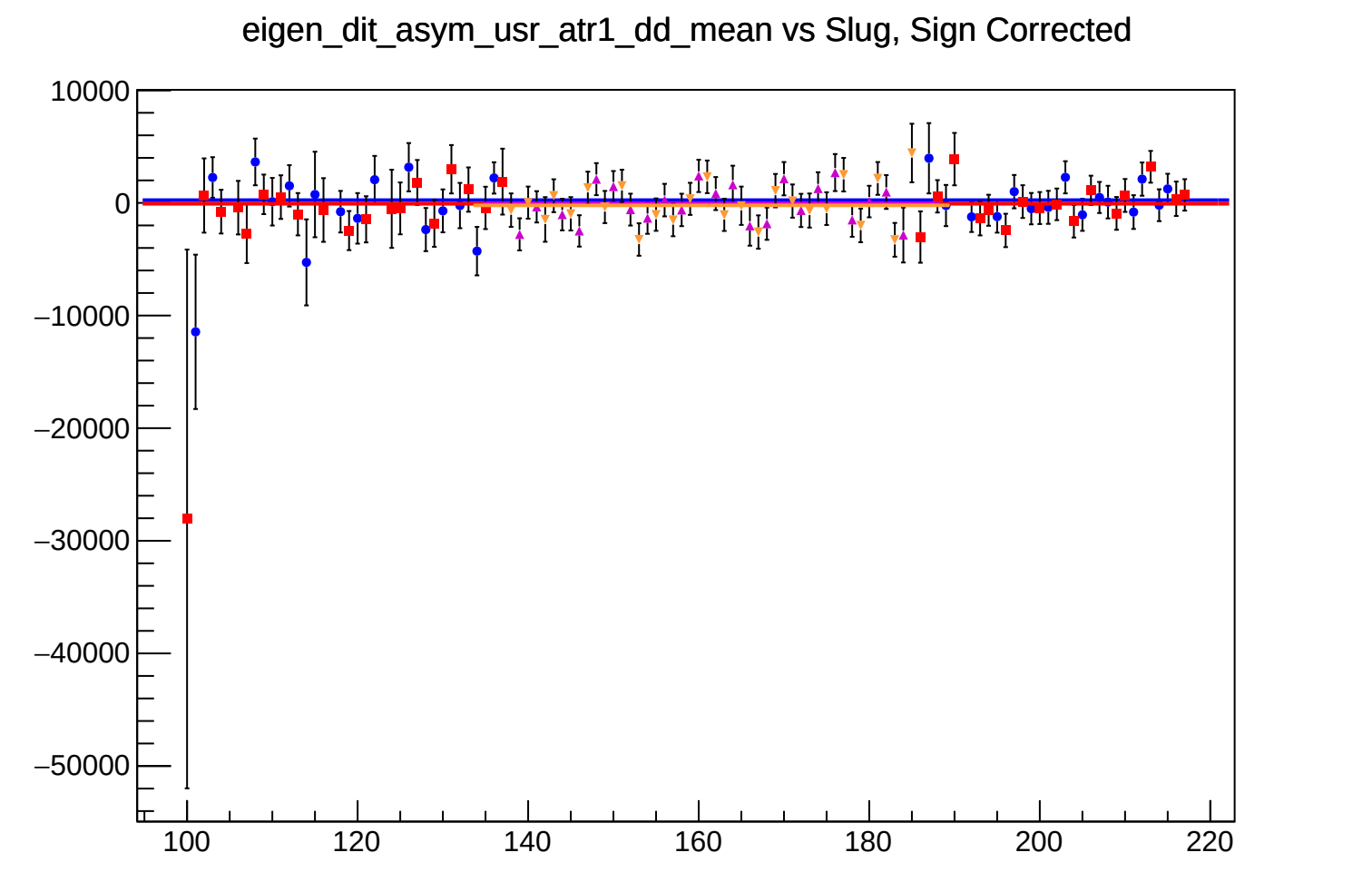
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 903.081+/-0.108 χ^2/NDF: 8527319.1/65

In: 727.657+/-0.088 χ^2/NDF:6513742.1/53

Out: 723.741+/-0.086 χ^2/NDF:8271412.3/59

All: 725.650+/-0.062 χ^2/NDF: 14786161.7/1



Right In: 244.449+/-308.502 χ^2/NDF: 31.6/30

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -76.318+/-300.273 χ^2/NDF: 26.8/34

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

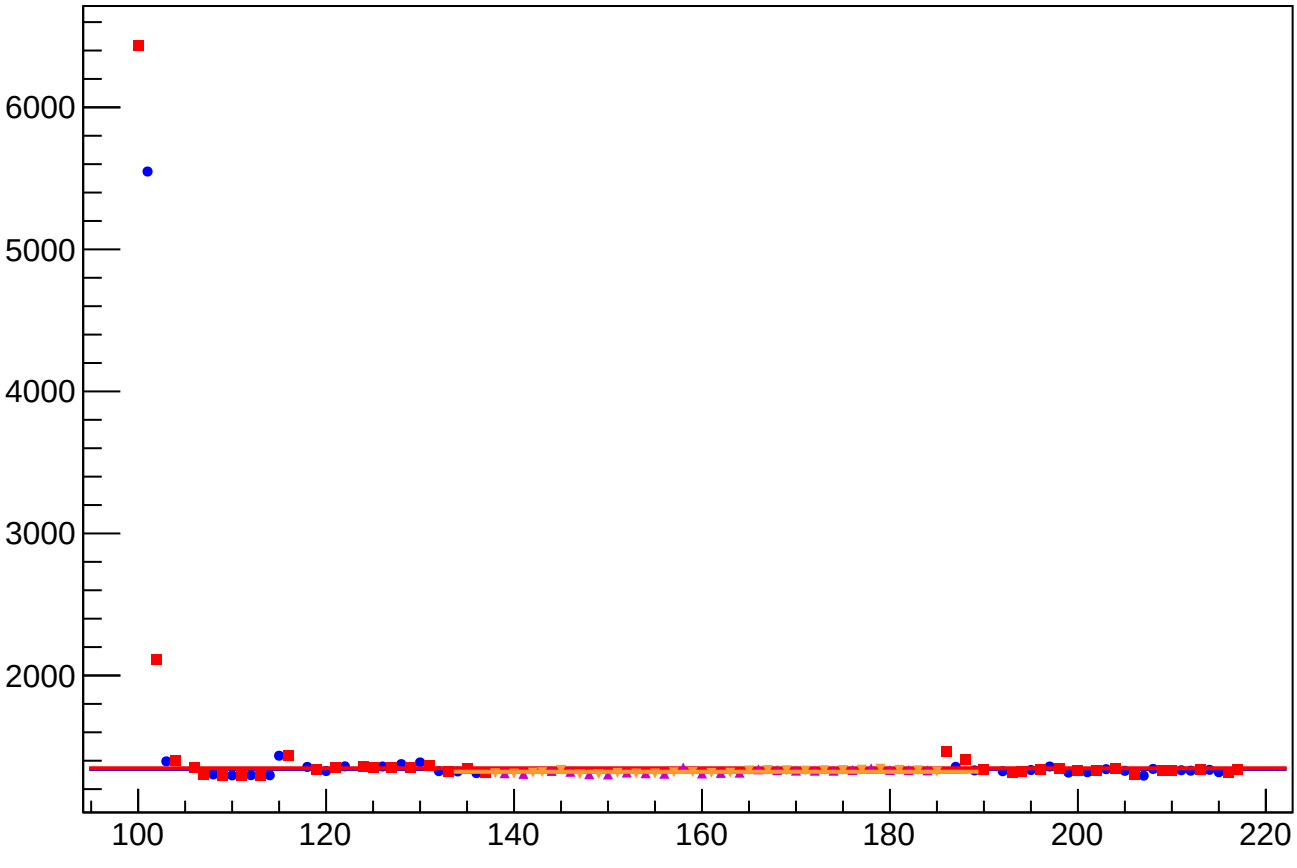
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 79.731+/-215.175 χ^2/NDF: 59.0/65

In: 97.334+/-218.315 χ^2/NDF:59.9/53

Out: -145.652+/-212.363 χ^2/NDF:58.2/59

All: -27.517+/-152.224 χ^2/NDF: 118.7/113



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: 1346.766+/-0.212 χ^2/NDF: 221467.8/34

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

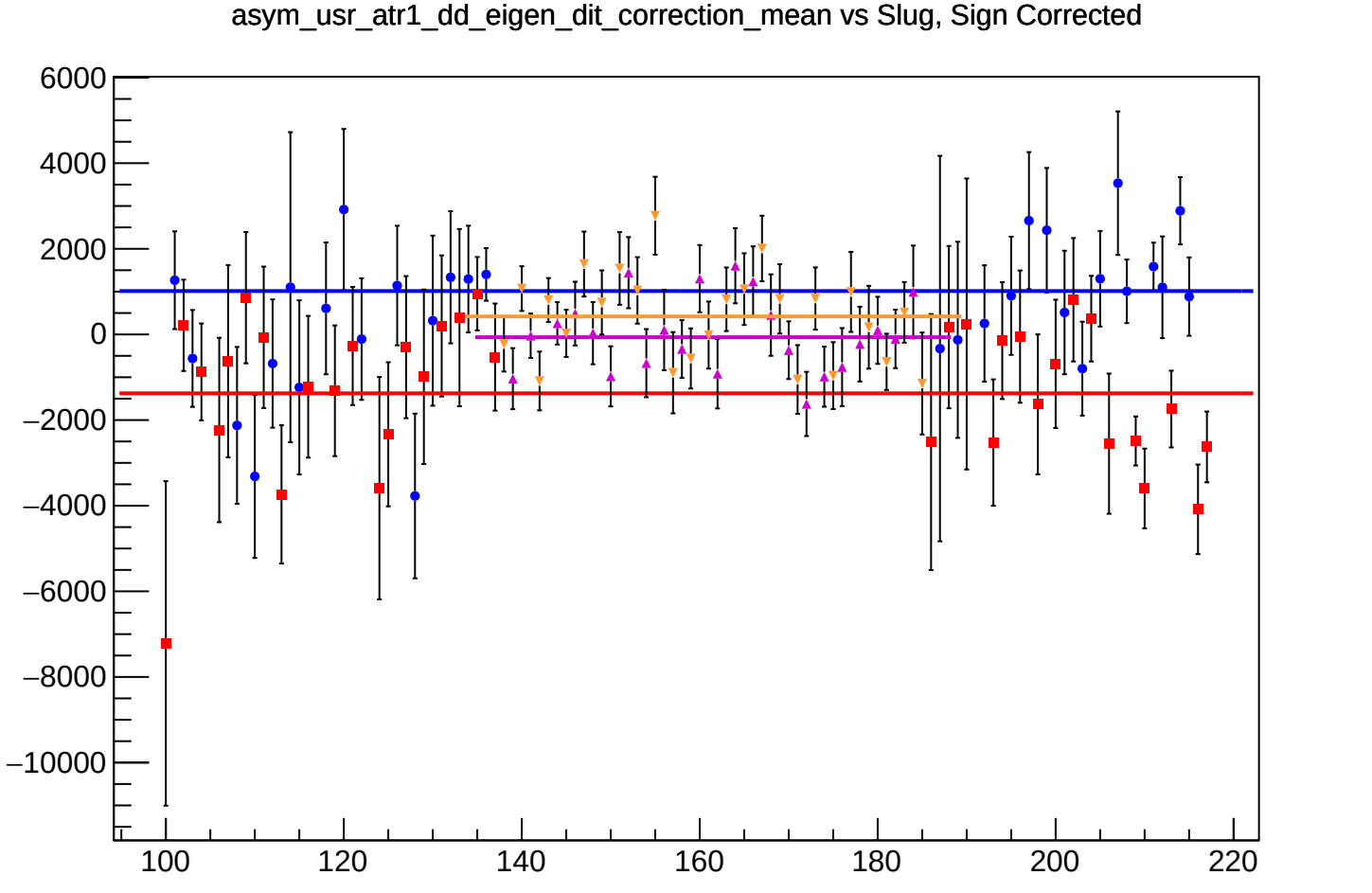
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1344.391+/-0.152 χ^2/NDF: 989829.4/65

In: 1332.626+/-0.154 χ^2/NDF:775569.9/53

Out: 1334.572+/-0.150 χ^2/NDF:230998.8/59

All: 1333.626+/-0.108 χ^2/NDF: 1006650.2/11



Right In: 1013.472+/-213.132 χ^2/NDF: 35.7/30

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -1374.726+/-219.557 χ^2/NDF: 49.5/34

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

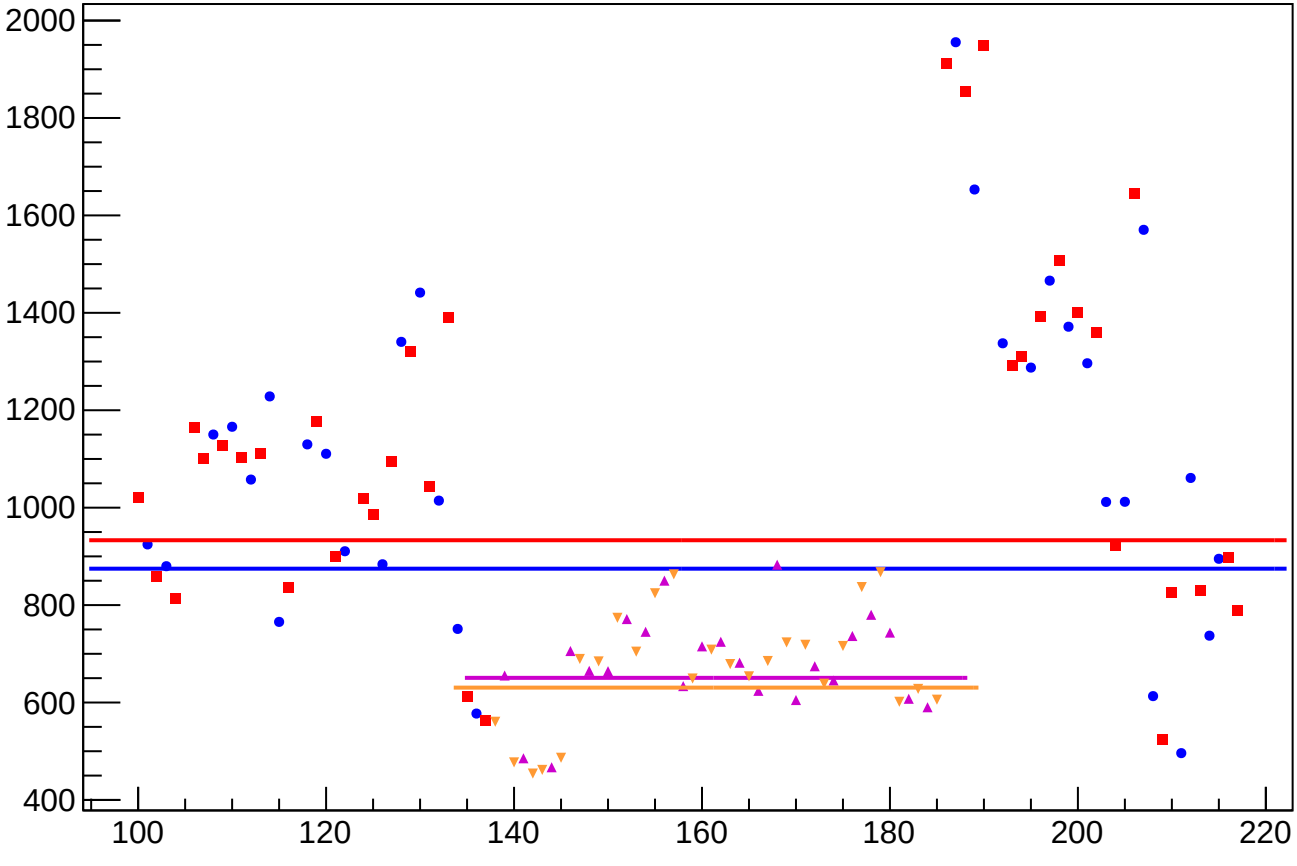
Right: -145.171+/-152.928 χ^2/NDF: 146.2/65

In: 305.368+/-124.944 χ^2/NDF:79.6/53

Out: -132.630+/-121.826 χ^2/NDF:137.3/59

All: 80.834+/-87.225 χ^2/NDF: 223.2/113

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 874.753+/-0.151 χ^2/NDF: 4140197.6/30

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 933.141+/-0.155 χ^2/NDF: 4314315.1/34

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

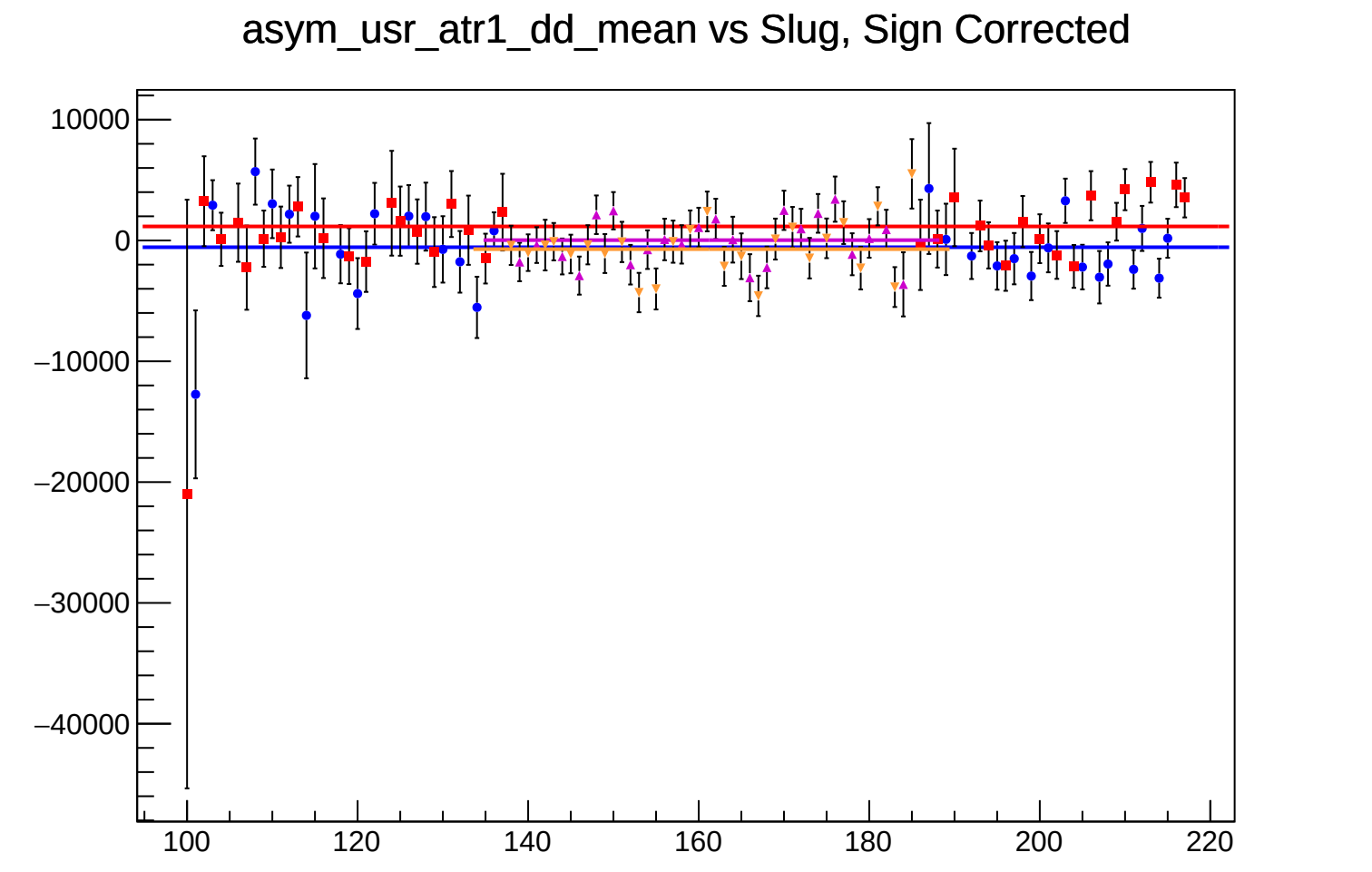
Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

Right: 903.080+/-0.108 χ^2/NDF: 8527335.6/65

In: 727.658+/-0.088 χ^2/NDF:6513723.9/53

Out: 723.741+/-0.086 χ^2/NDF:8271416.4/59

All: 725.650+/-0.062 χ^2/NDF: 14786148.1/1



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: 1160.987+/-391.169 χ^2/NDF: 32.9/34

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

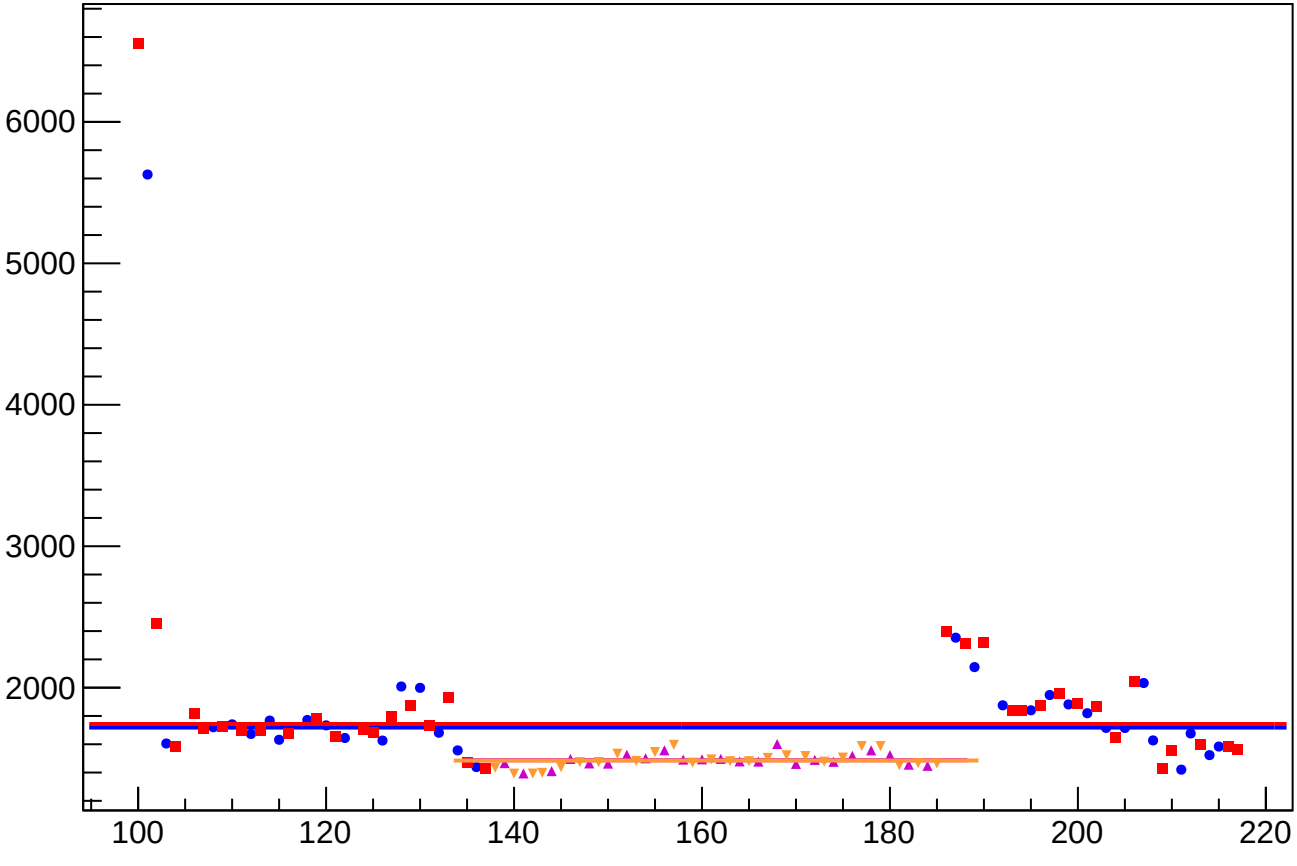
Right: 313.864+/-278.736 χ^2/NDF: 82.8/65

In: -227.058+/-261.525 χ^2/NDF:69.5/53

Out: 83.891+/-255.567 χ^2/NDF:83.9/59

All: -68.001+/-182.783 χ^2/NDF: 154.2/113

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: 1743.191+/-0.277 χ^2/NDF: 720621.6/34

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

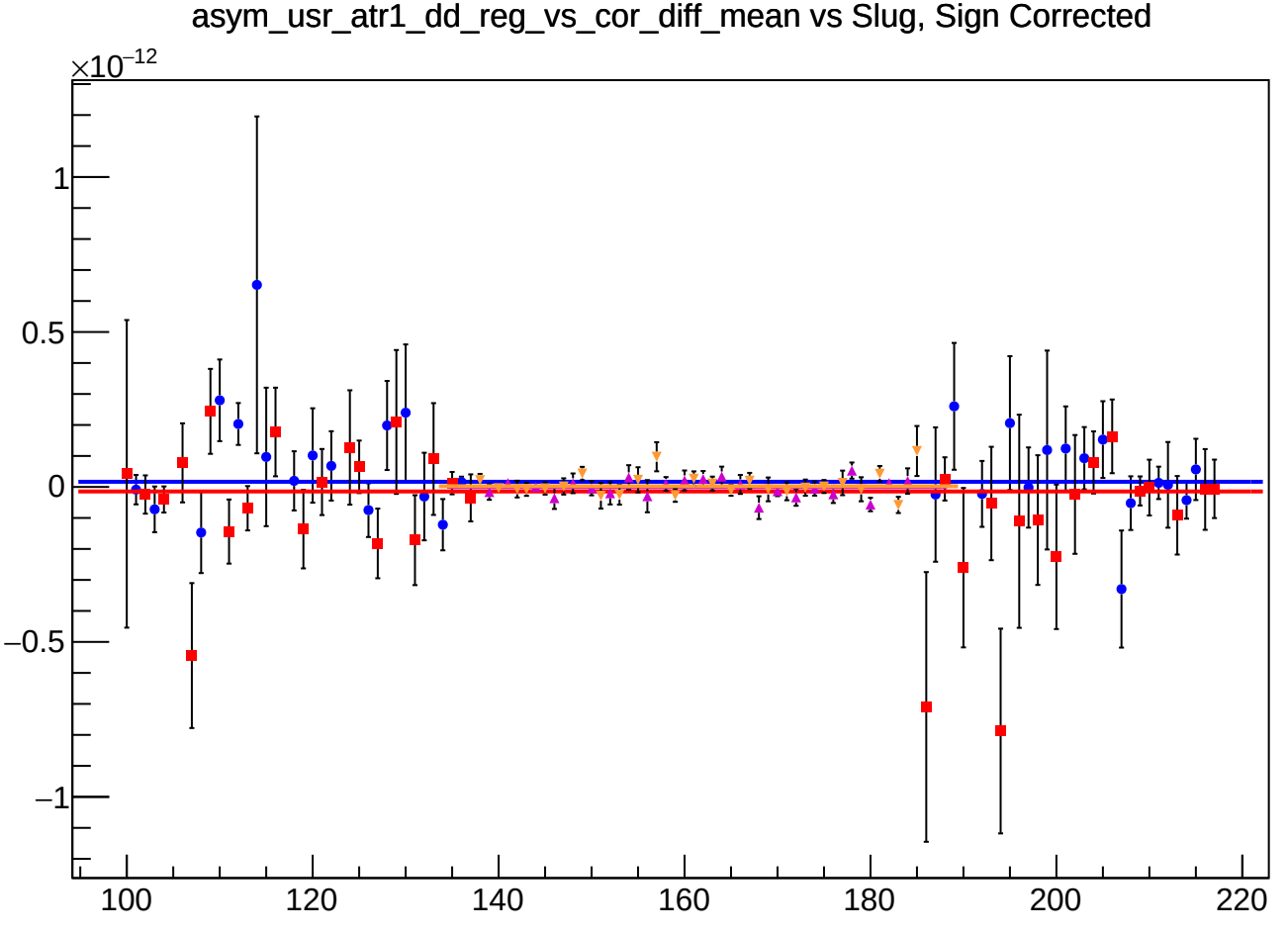
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1730.826+/-0.197 χ^2/NDF: 1781867.1/65

In: 1587.193+/-0.185 χ^2/NDF:1475019.2/53

Out: 1595.188+/-0.181 χ^2/NDF:1271081.0/59

All: 1591.283+/-0.129 χ^2/NDF: 2747056.3/11



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: 35.3/34

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

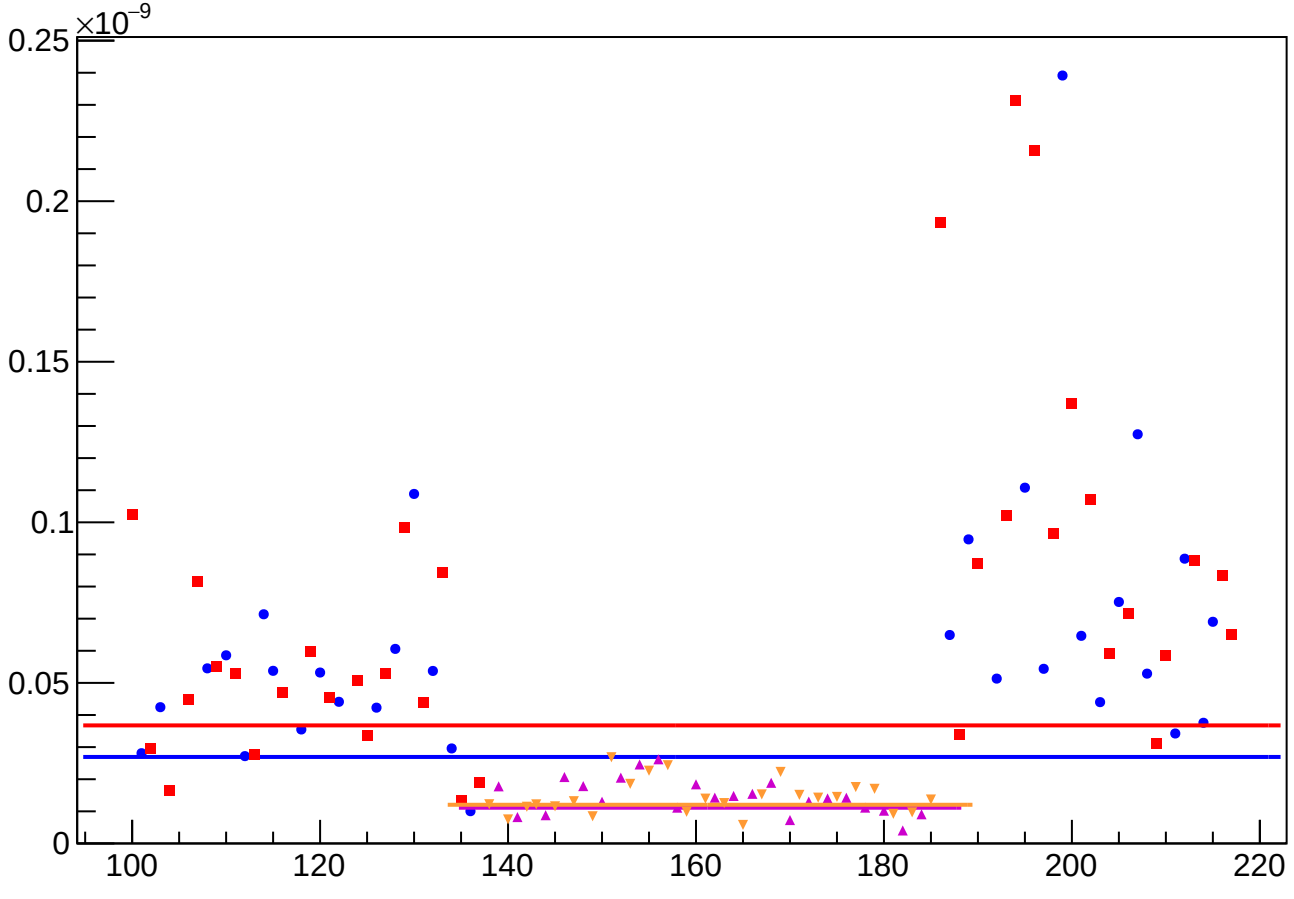
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 71.3/65

In: 0.000+/-0.000 χ^2/NDF:60.1/53

Out: 0.000+/-0.000 χ^2/NDF:61.7/59

All: 0.000+/-0.000 χ^2/NDF: 121.9/113



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: 5938858.8/34

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

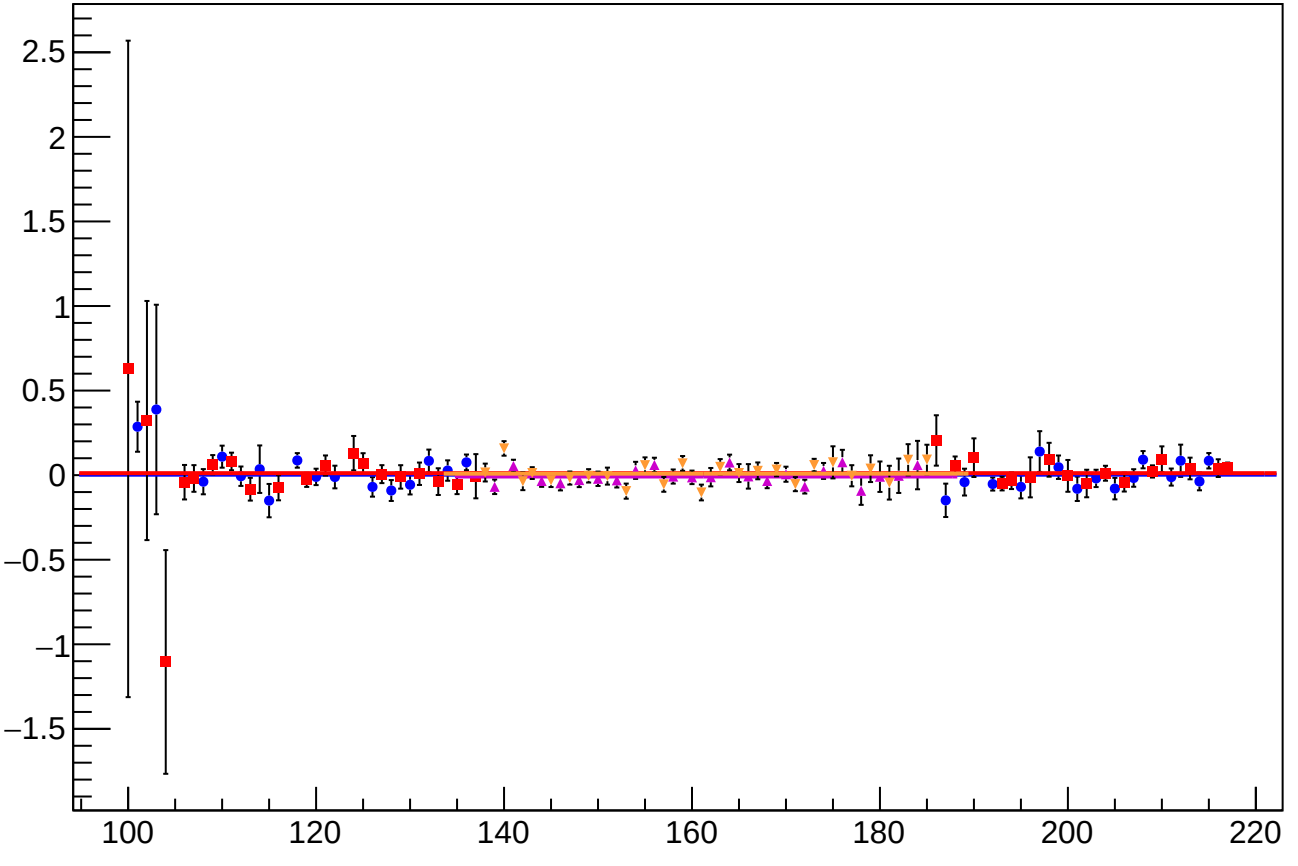
Right: 0.000+/-0.000 χ^2/NDF: 13012816.9/65

In: 0.000+/-0.000 χ^2/NDF:11531568.6/53

Out: 0.000+/-0.000 χ^2/NDF:11970569.2/59

All: 0.000+/-0.000 χ^2/NDF: 23563259.6/113

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: 0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

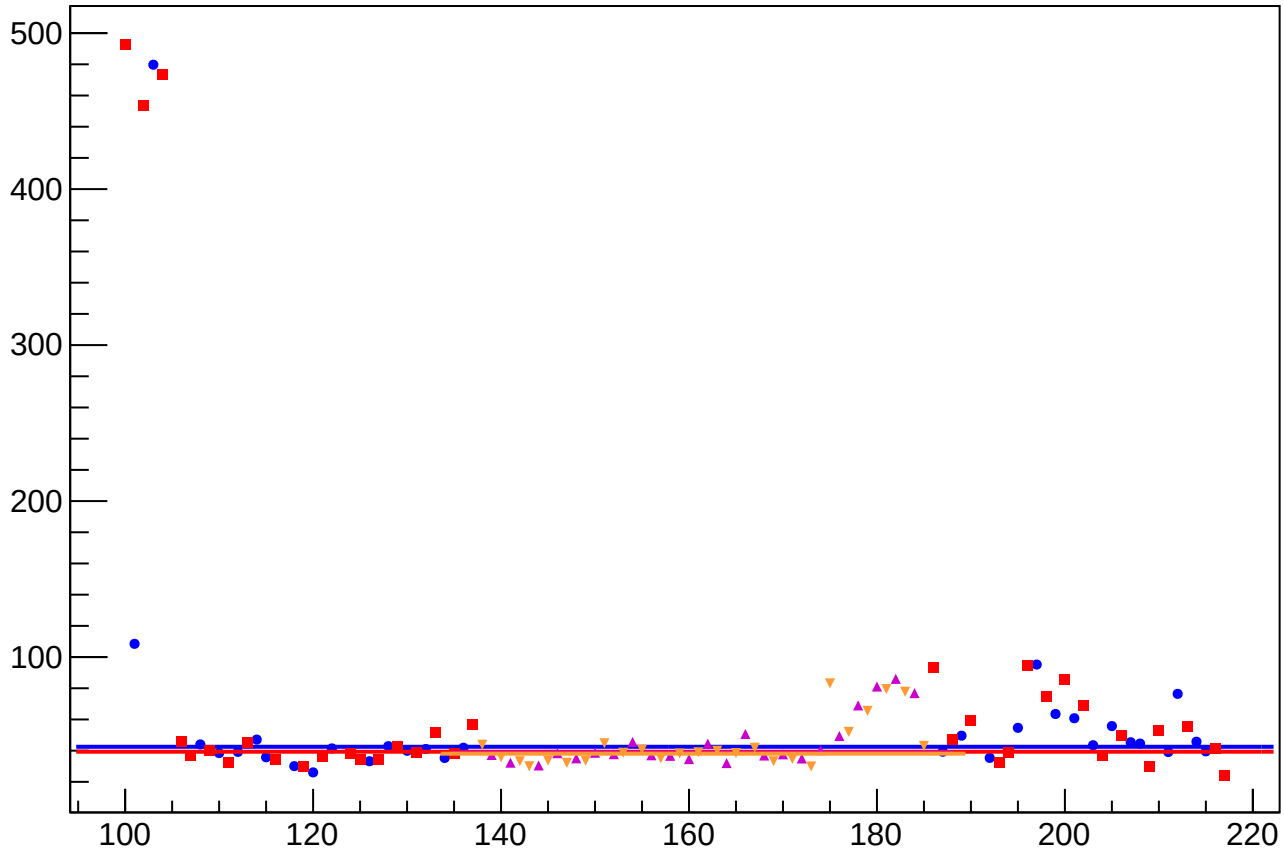
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.008+/-0.008 χ^2/NDF: 67.7/65

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.010+/-0.007 χ^2/NDF:64.9/59

All: 0.004+/-0.005 χ^2/NDF: 127.1/113



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: 39.329+/-0.007 χ^2/NDF: 4715732.6/34

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

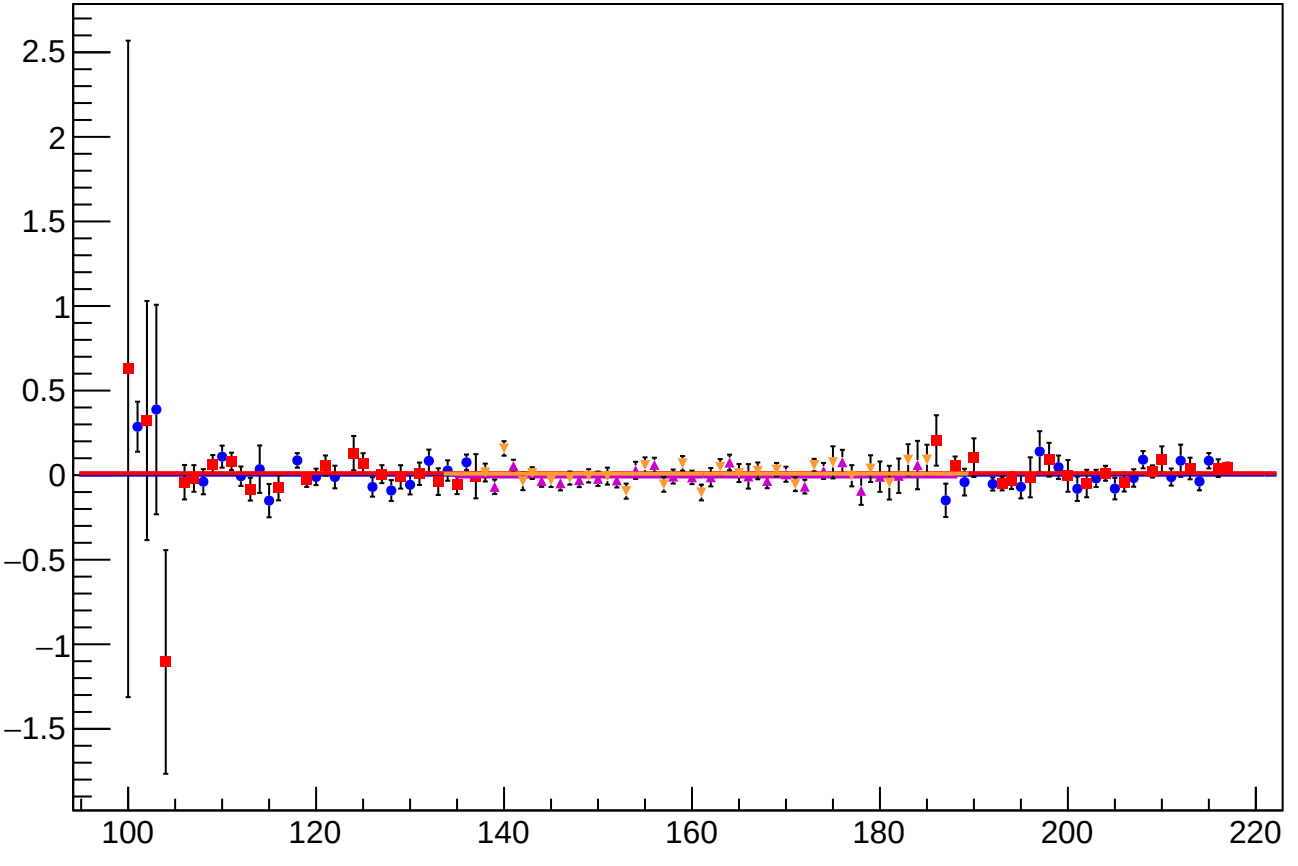
Right: 40.824+/-0.005 χ^2/NDF: 7926272.0/65

In: 40.363+/-0.005 χ^2/NDF:4986992.6/53

Out: 38.645+/-0.005 χ^2/NDF:6698767.4/59

All: 39.466+/-0.004 χ^2/NDF: 11742614.0/113

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: 0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

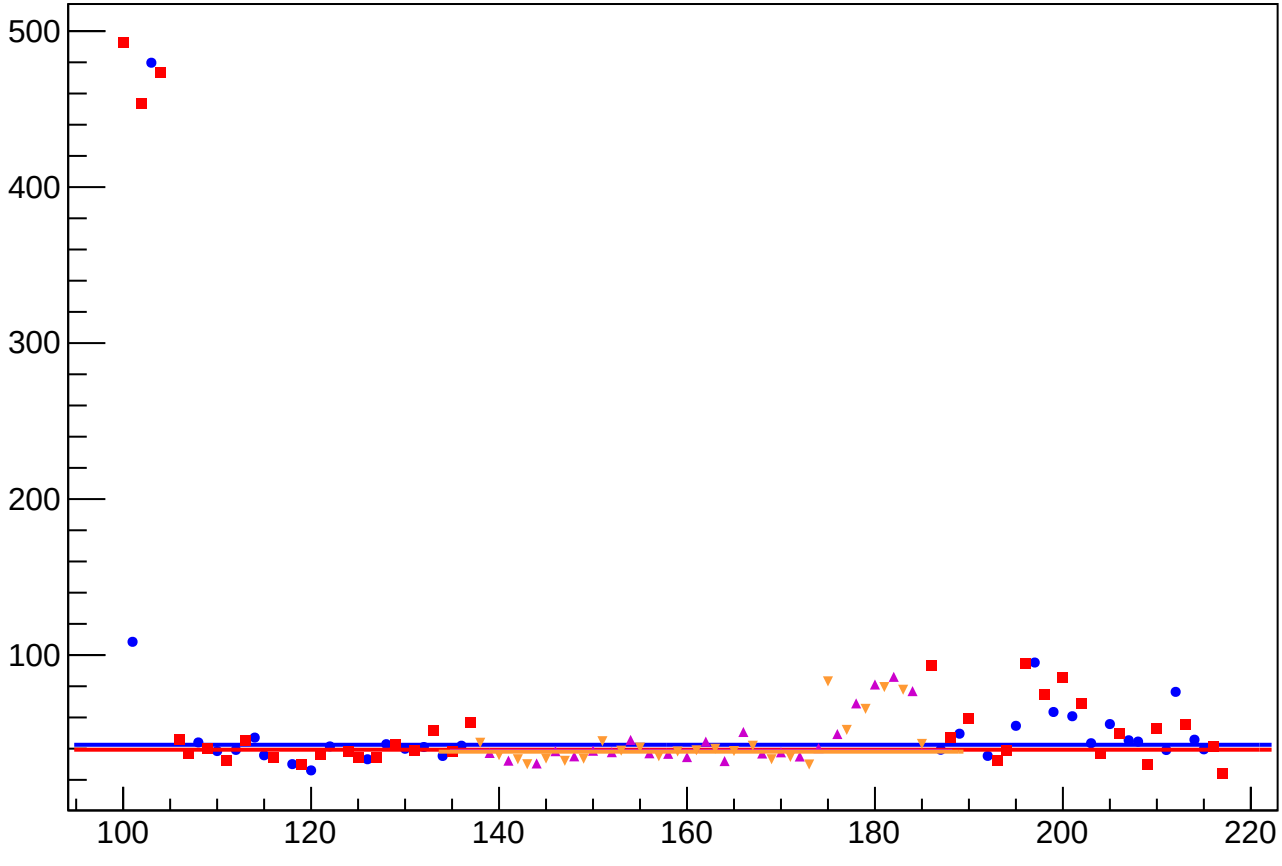
Right: 0.008+/-0.008 χ^2/NDF: 67.7/65

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.010+/-0.007 χ^2/NDF:64.9/59

All: 0.004+/-0.005 χ^2/NDF: 127.1/113

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: 39.329+/-0.007 χ^2/NDF: 4715732.6/34

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

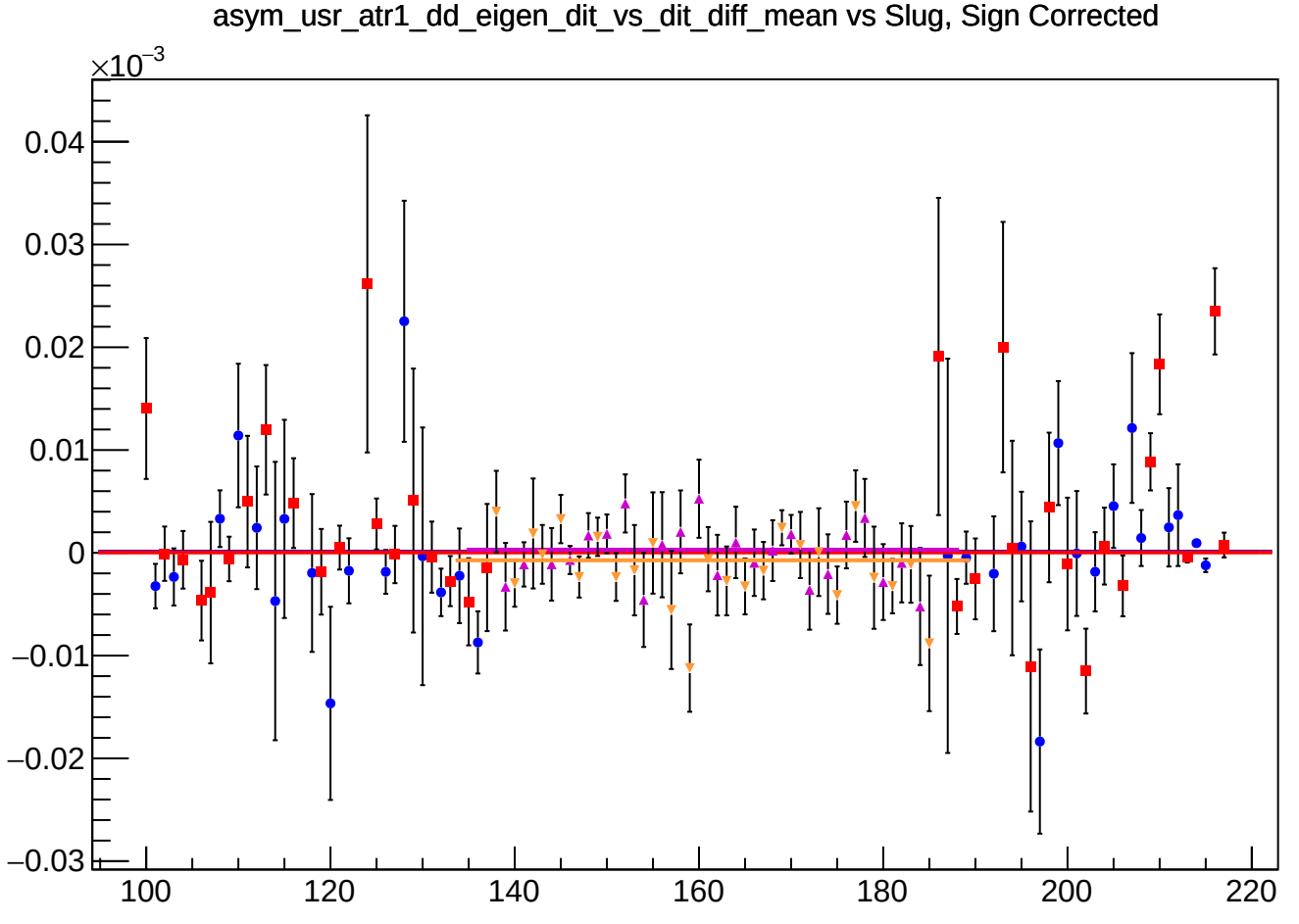
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.824+/-0.005 χ^2/NDF: 7926272.0/65

In: 40.363+/-0.005 χ^2/NDF:4986992.6/53

Out: 38.645+/-0.005 χ^2/NDF:6698767.4/59

All: 39.466+/-0.004 χ^2/NDF: 11742614.0/113



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: 93.9/34

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

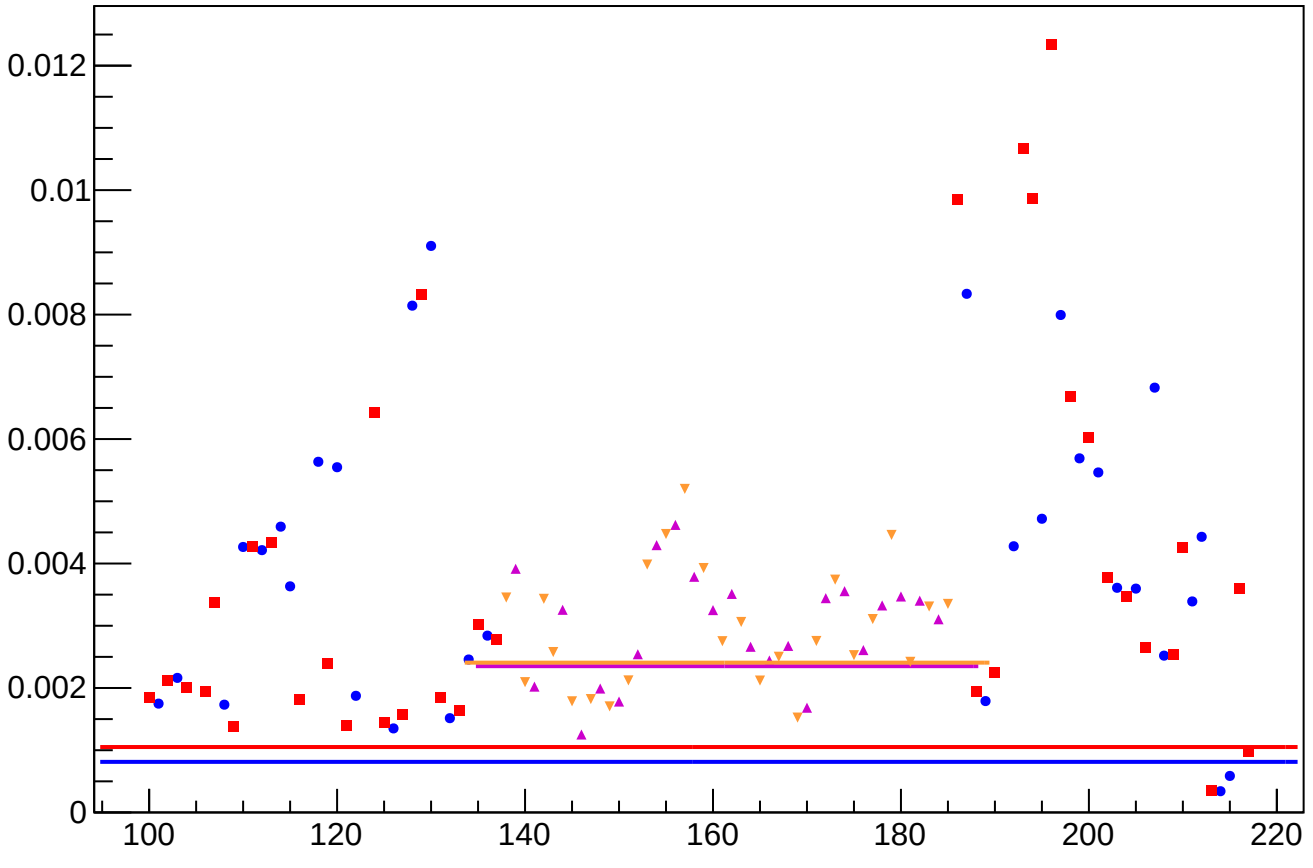
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: 0.000+/-0.000 χ^2/NDF: 141.7/65

In: 0.000+/-0.000 χ^2/NDF:61.6/53

Out: -0.000+/-0.000 χ^2/NDF:121.6/59

All: 0.000+/-0.000 χ^2/NDF: 183.9/113



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: 20138742.7/34

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

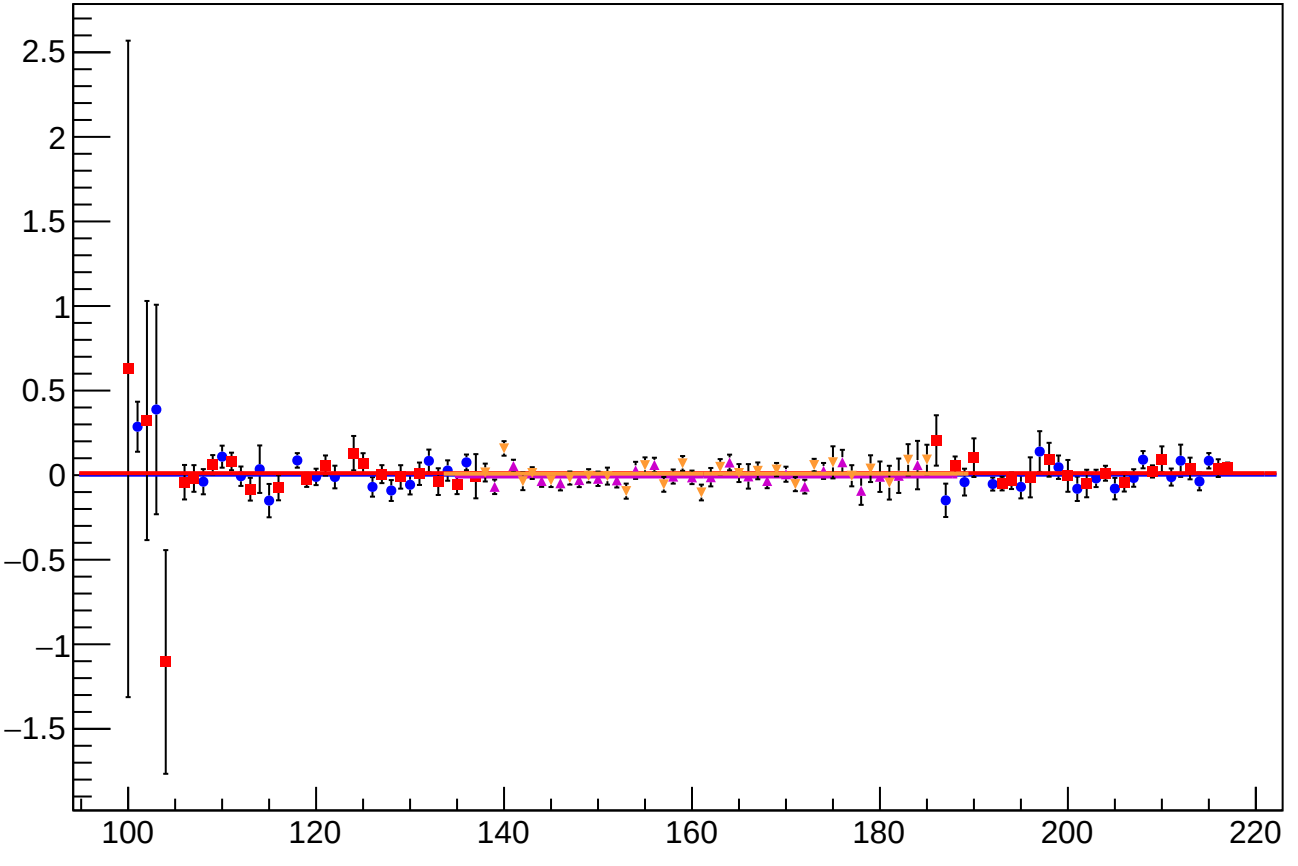
Right: 0.001+/-0.000 χ^2/NDF: 43086448.2/65

In: 0.001+/-0.000 χ^2/NDF:37408337.5/53

Out: 0.001+/-0.000 χ^2/NDF:31509577.0/59

All: 0.001+/-0.000 χ^2/NDF: 69938121.2/113

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.011 χ^2/NDF: 41.1/30

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

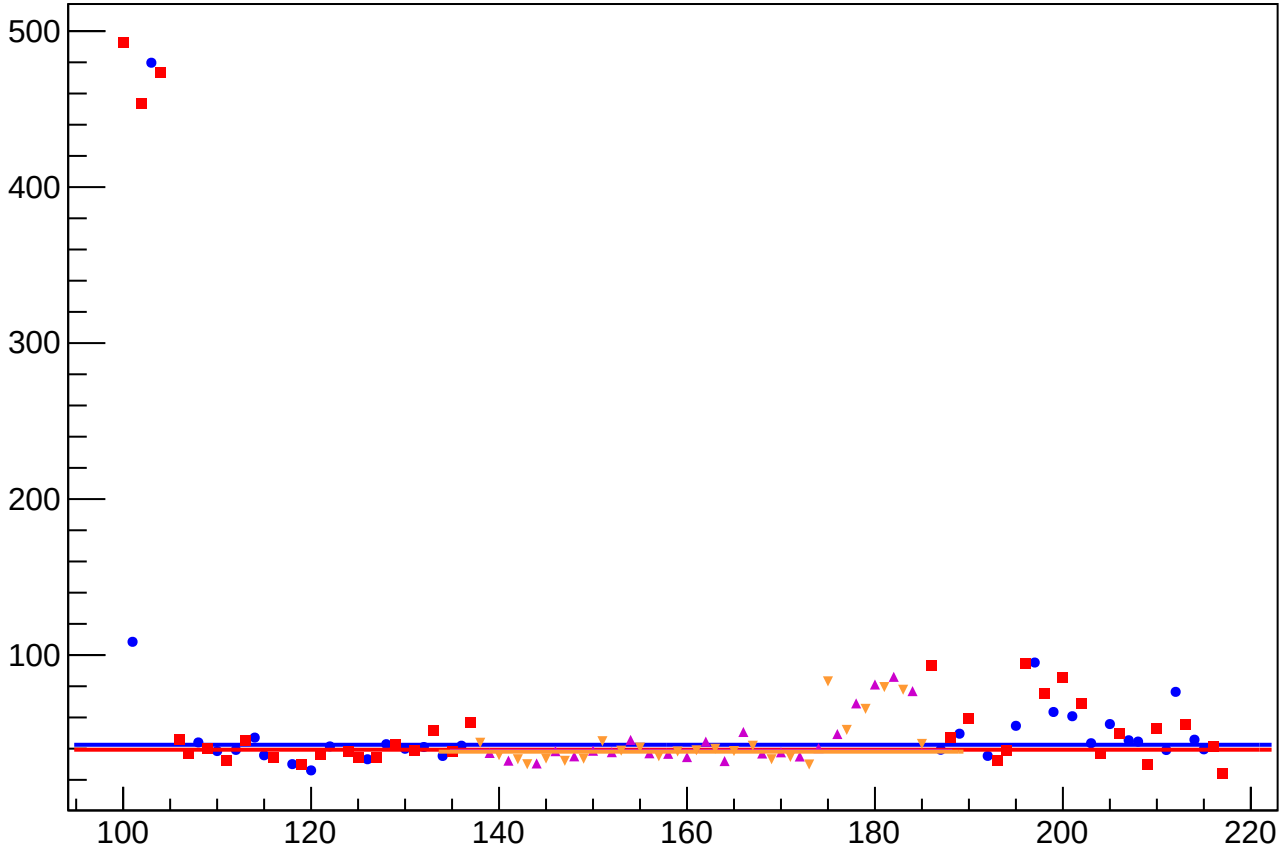
Right: 0.008+/-0.008 χ^2/NDF: 67.7/65

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.010+/-0.007 χ^2/NDF:64.9/59

All: 0.004+/-0.005 χ^2/NDF: 127.1/113

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: 39.326+/-0.007 χ^2/NDF: 4716253.1/34

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

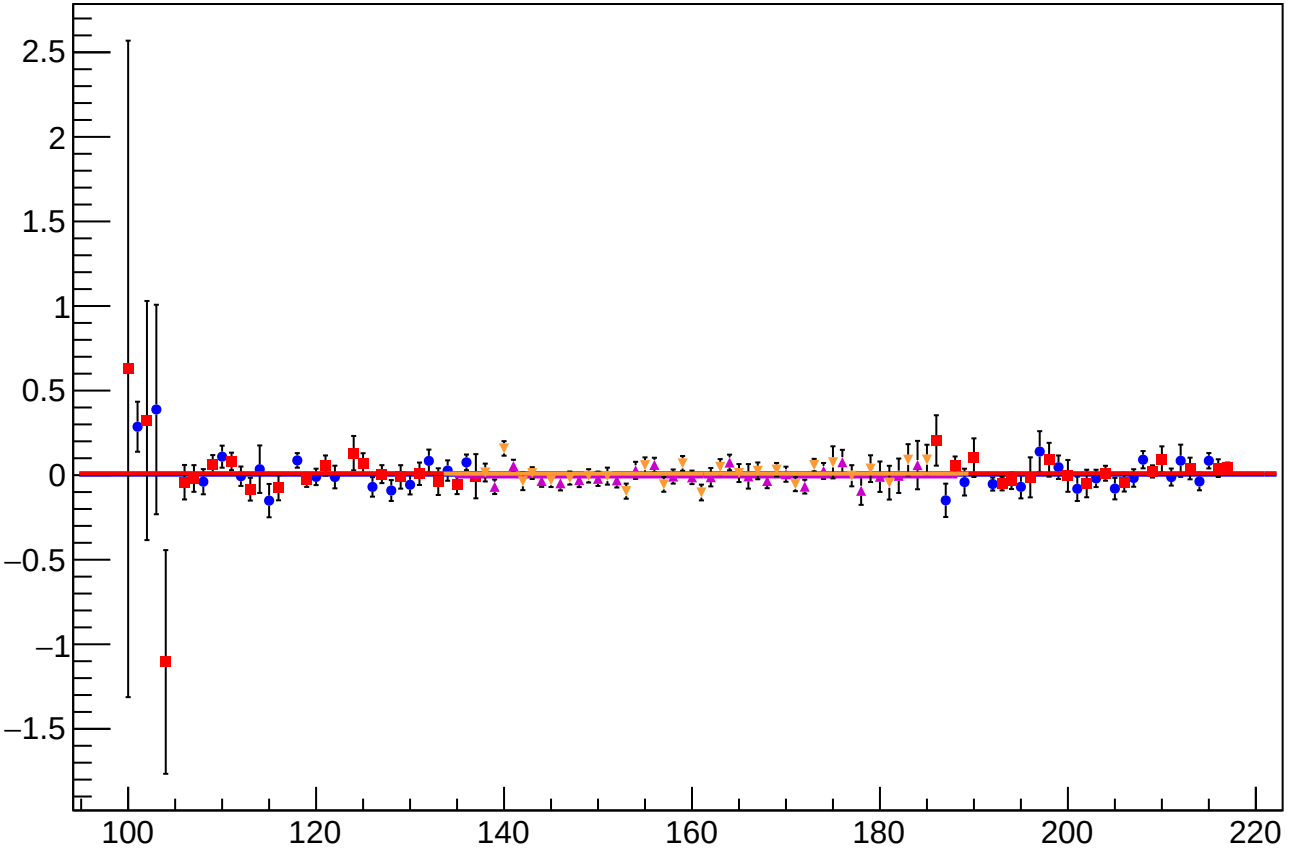
Right: 40.822+/-0.005 χ^2/NDF: 7927142.6/65

In: 40.363+/-0.005 χ^2/NDF:4987243.8/53

Out: 38.644+/-0.005 χ^2/NDF:6699221.6/59

All: 39.465+/-0.004 χ^2/NDF: 11743377.7/113

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: 0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

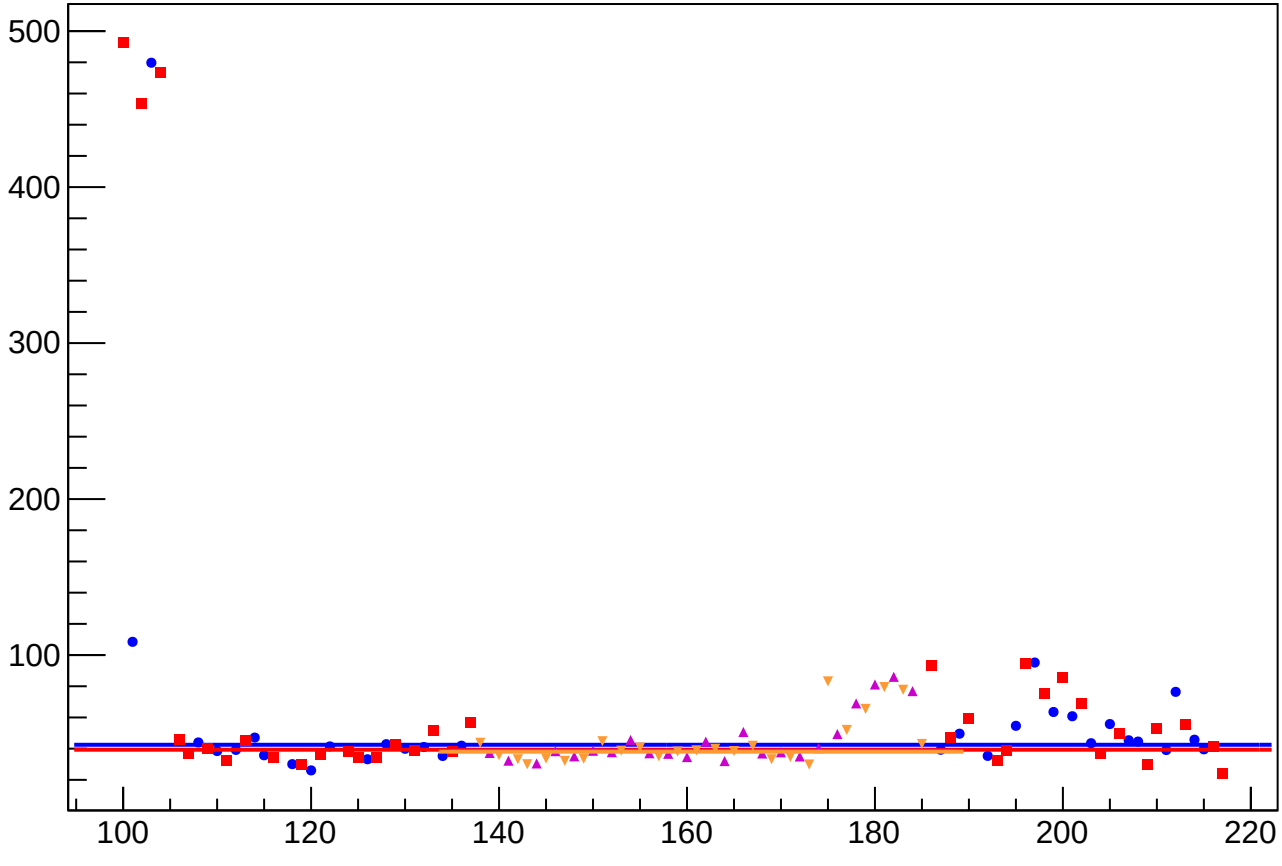
Right: 0.008+/-0.008 χ^2/NDF: 67.7/65

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.010+/-0.007 χ^2/NDF:64.9/59

All: 0.004+/-0.005 χ^2/NDF: 127.1/113

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: 39.326+/-0.007 χ^2/NDF: 4716253.1/34

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

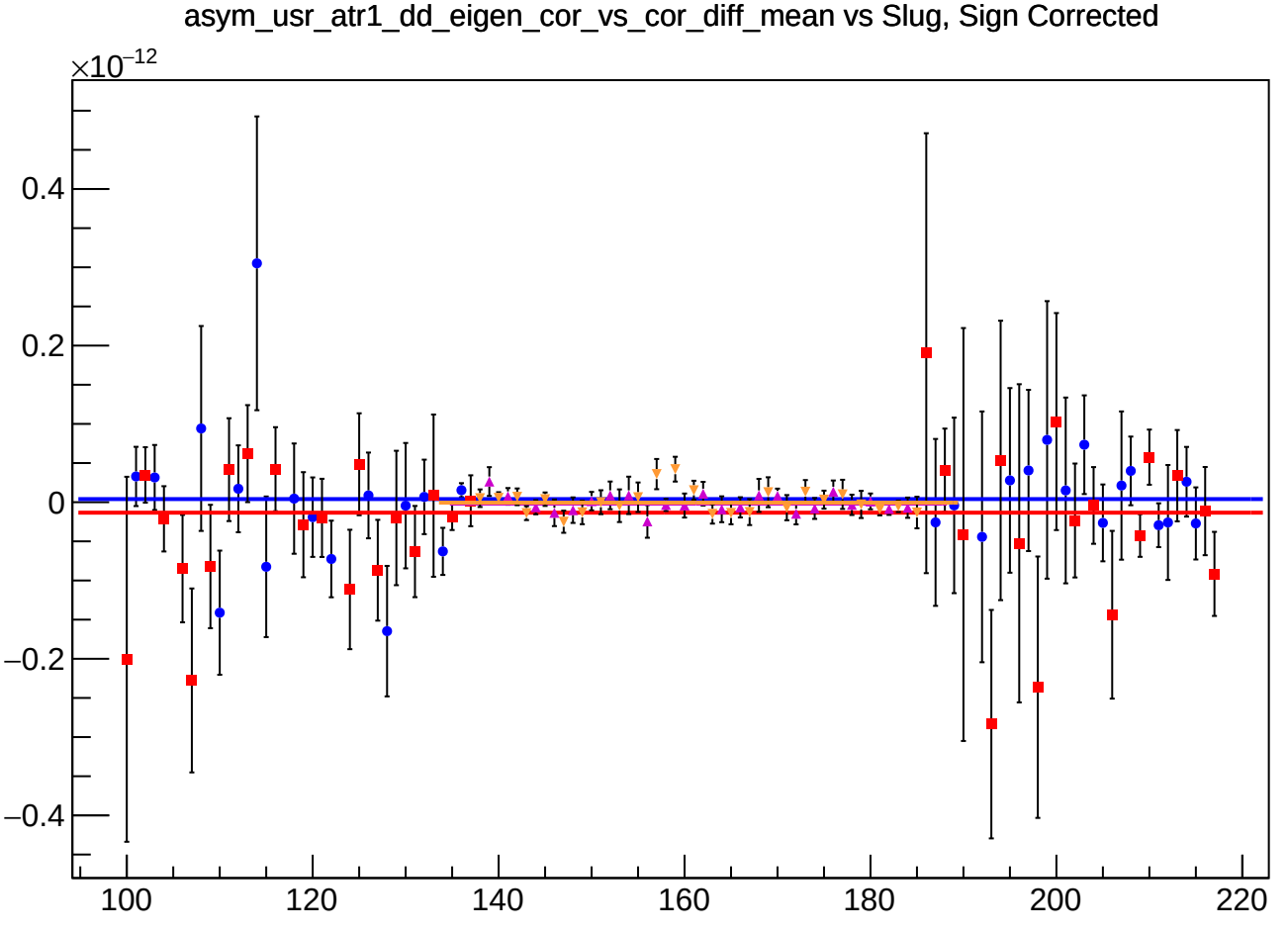
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 40.822+/-0.005 χ^2/NDF: 7927142.6/65

In: 40.363+/-0.005 χ^2/NDF:4987243.8/53

Out: 38.644+/-0.005 χ^2/NDF:6699221.6/59

All: 39.465+/-0.004 χ^2/NDF: 11743377.7/113



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: 33.2/34

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

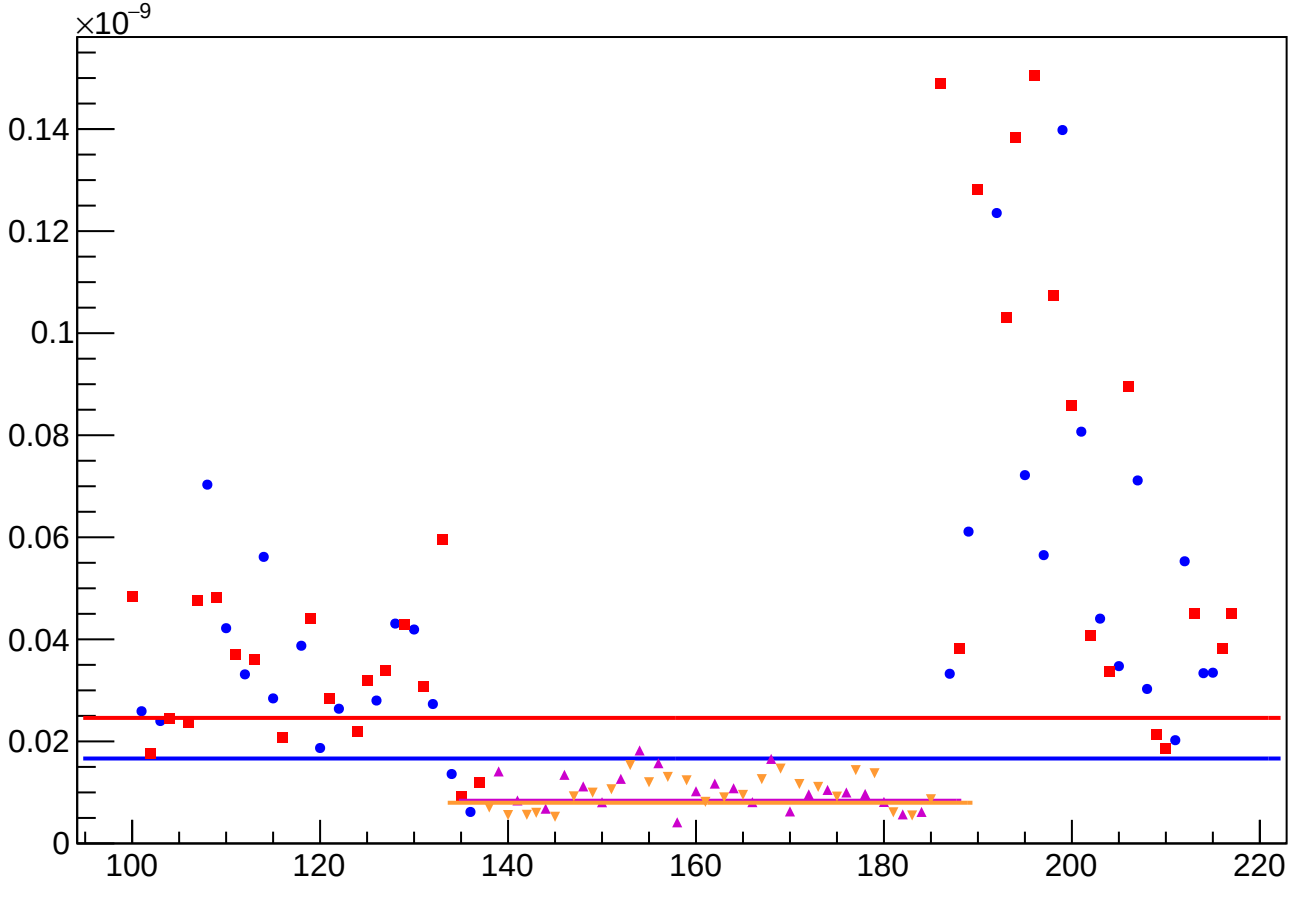
Right: -0.000+/-0.000 χ^2/NDF: 62.5/65

In: -0.000+/-0.000 χ^2/NDF:39.1/53

Out: -0.000+/-0.000 χ^2/NDF:62.1/59

All: -0.000+/-0.000 χ^2/NDF: 101.2/113

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 8577758.3/34

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

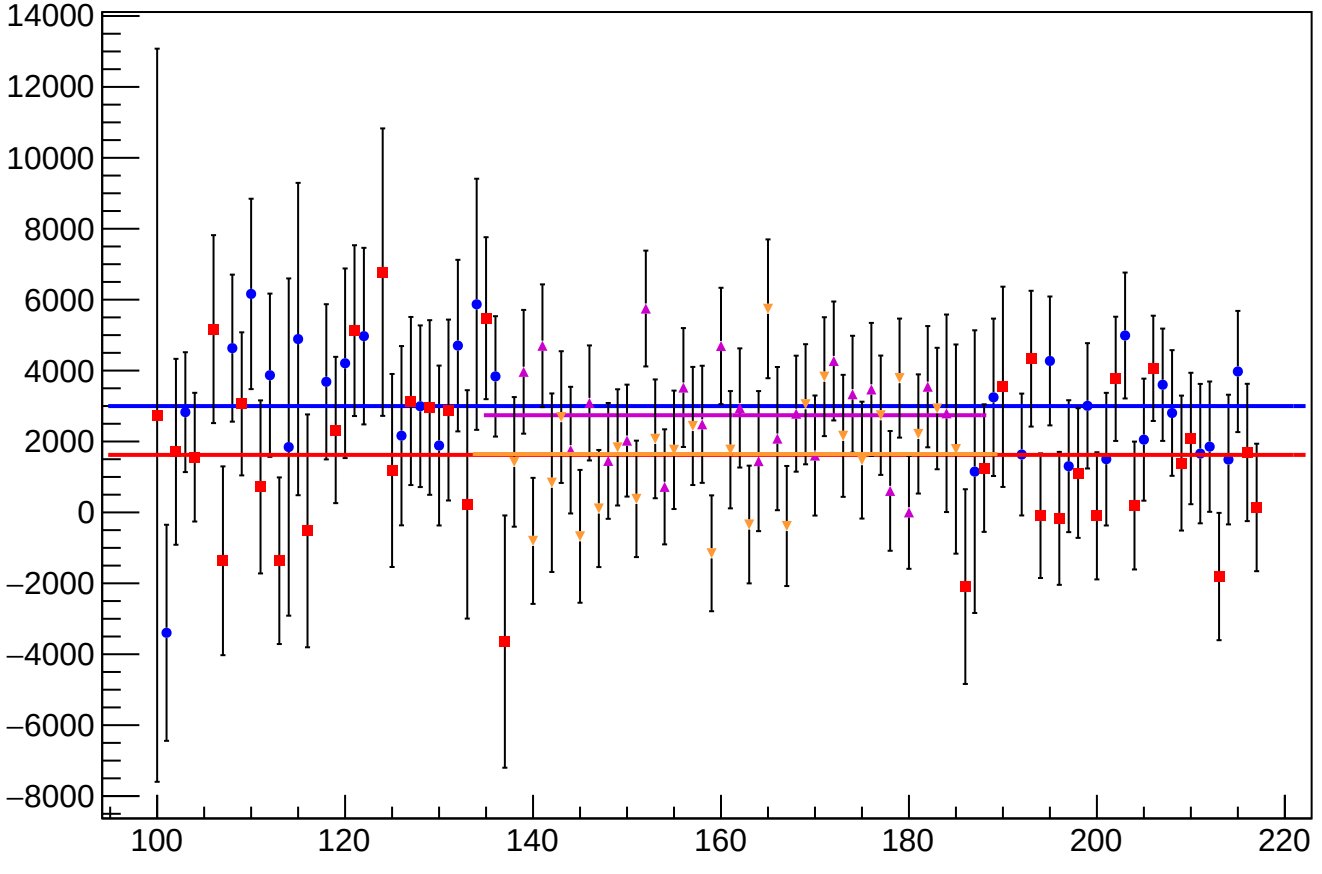
Right: 0.000+/-0.000 χ^2/NDF: 20434670.0/65

In: 0.000+/-0.000 χ^2/NDF:16192434.9/53

Out: 0.000+/-0.000 χ^2/NDF:18249124.0/59

All: 0.000+/-0.000 χ^2/NDF: 34452132.2/113

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 2998.616+/-374.306 χ^2/NDF: 15.9/30

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1622.313+/-365.257 χ^2/NDF: 32.3/34

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

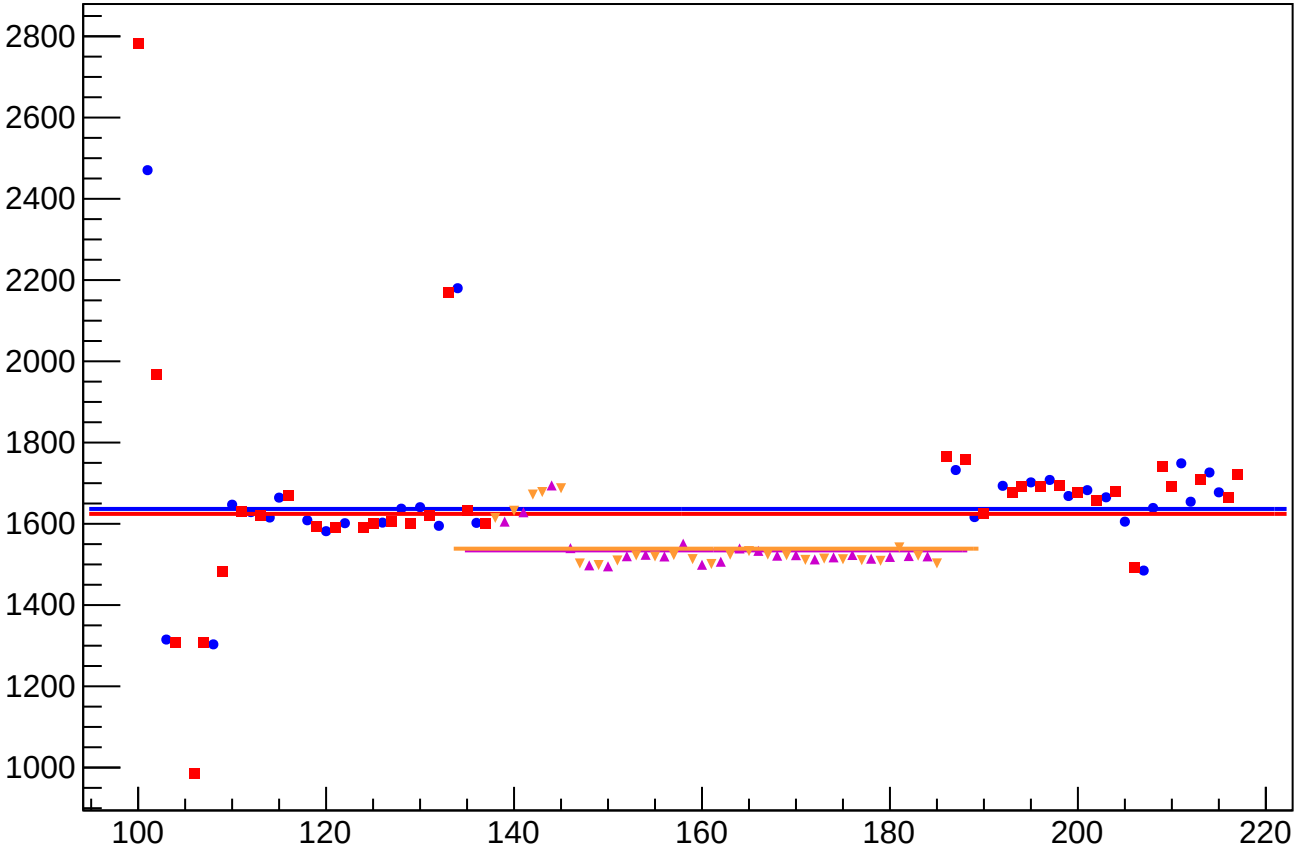
Right: 2293.626+/-261.416 χ^2/NDF: 55.1/65

In: 2864.199+/-258.890 χ^2/NDF:32.6/53

Out: 1634.879+/-252.618 χ^2/NDF:53.3/59

All: 2234.469+/-180.804 χ^2/NDF: 97.4/113

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1636.630+/-0.265 χ^2/NDF: 367597.9/30

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1624.448+/-0.257 χ^2/NDF: 481653.9/34

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

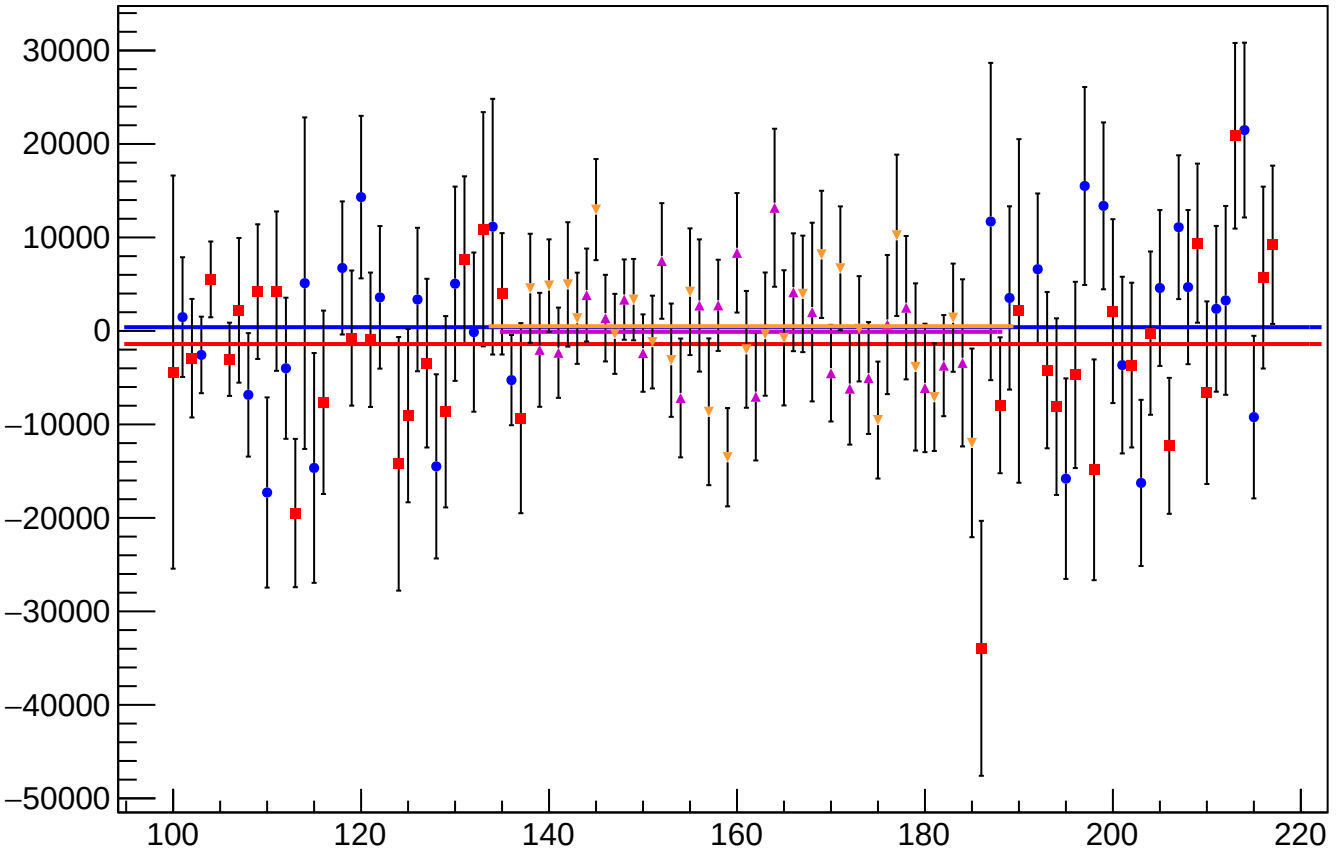
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1630.350+/-0.184 χ^2/NDF: 850344.0/65

In: 1583.417+/-0.183 χ^2/NDF:476211.6/53

Out: 1580.054+/-0.178 χ^2/NDF:586456.3/59

All: 1581.689+/-0.128 χ^2/NDF: 1062841.3/11



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: -1401.112+/-1356.967 χ^2/NDF: 35.5/34

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

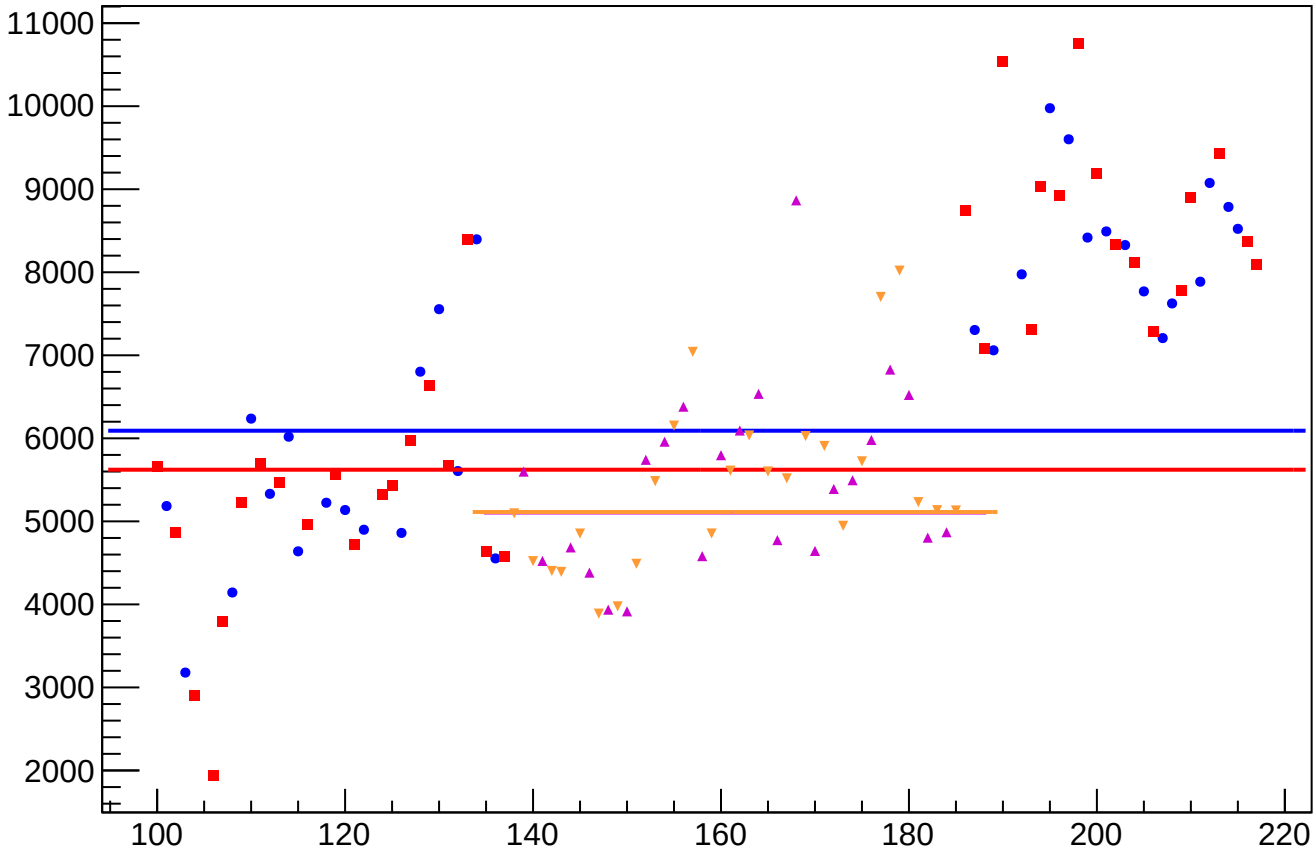
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -565.887+/-994.002 χ^2/NDF: 71.3/65

In: 106.799+/-935.127 χ^2/NDF:50.0/53

Out: -322.164+/-893.551 χ^2/NDF:63.4/59

All: -117.430+/-646.034 χ^2/NDF: 113.5/113



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: 5621.902+/-0.960 χ^2/NDF: 6012026.0/34

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

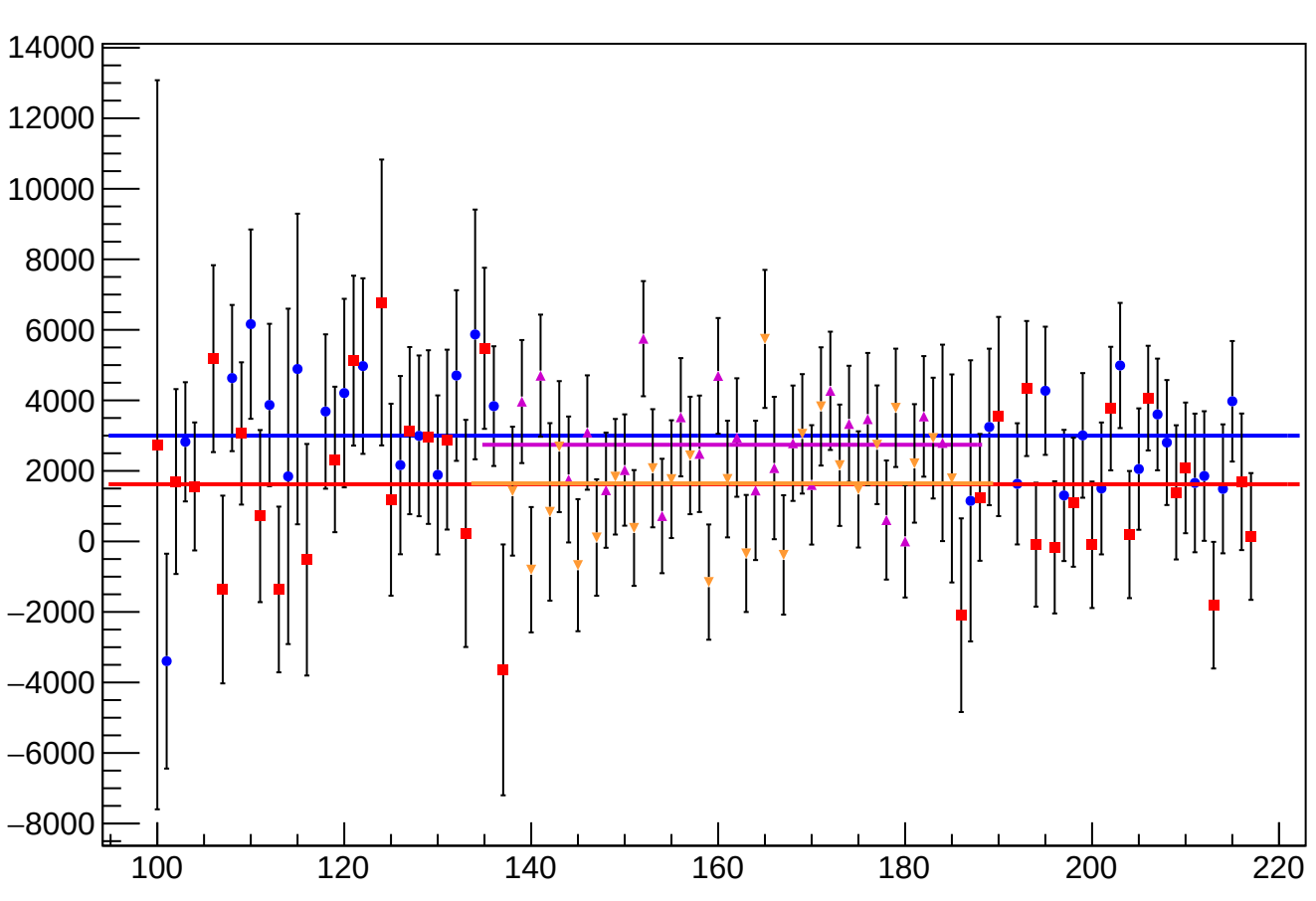
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5839.588+/-0.703 χ^2/NDF: 9651770.7/65

In: 5510.487+/-0.661 χ^2/NDF:5317420.6/53

Out: 5333.639+/-0.632 χ^2/NDF:7330386.8/59

All: 5418.044+/-0.457 χ^2/NDF: 12685197.9/1



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: 1622.340+/-365.258 χ^2/NDF: 32.3/34

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

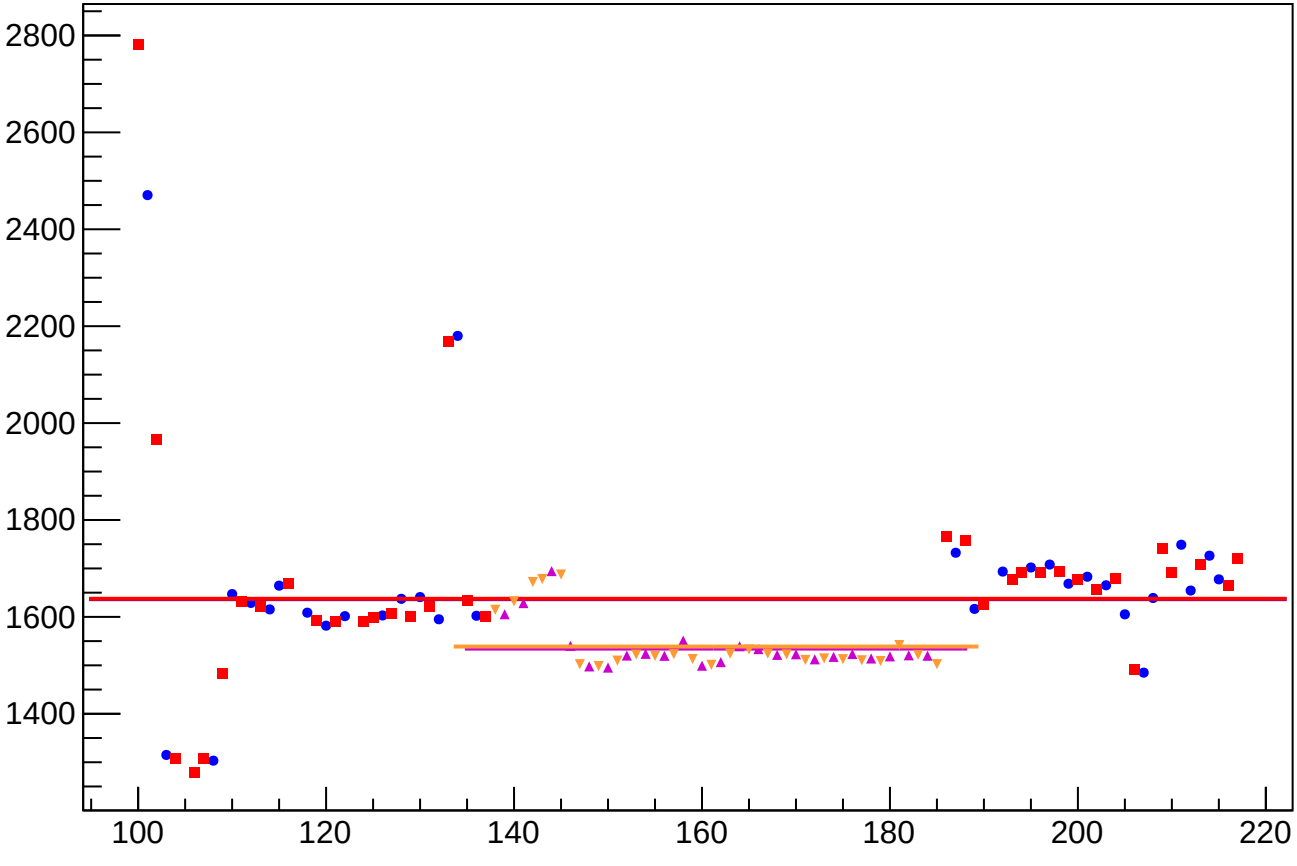
Right: 2293.587+/-261.417 χ^2/NDF: 55.1/65

In: 2864.094+/-258.890 χ^2/NDF:32.6/53

Out: 1634.836+/-252.618 χ^2/NDF:53.3/59

All: 2234.396+/-180.805 χ^2/NDF: 97.4/113

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: 1637.325+/-0.258 χ^2/NDF: 322131.9/34

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

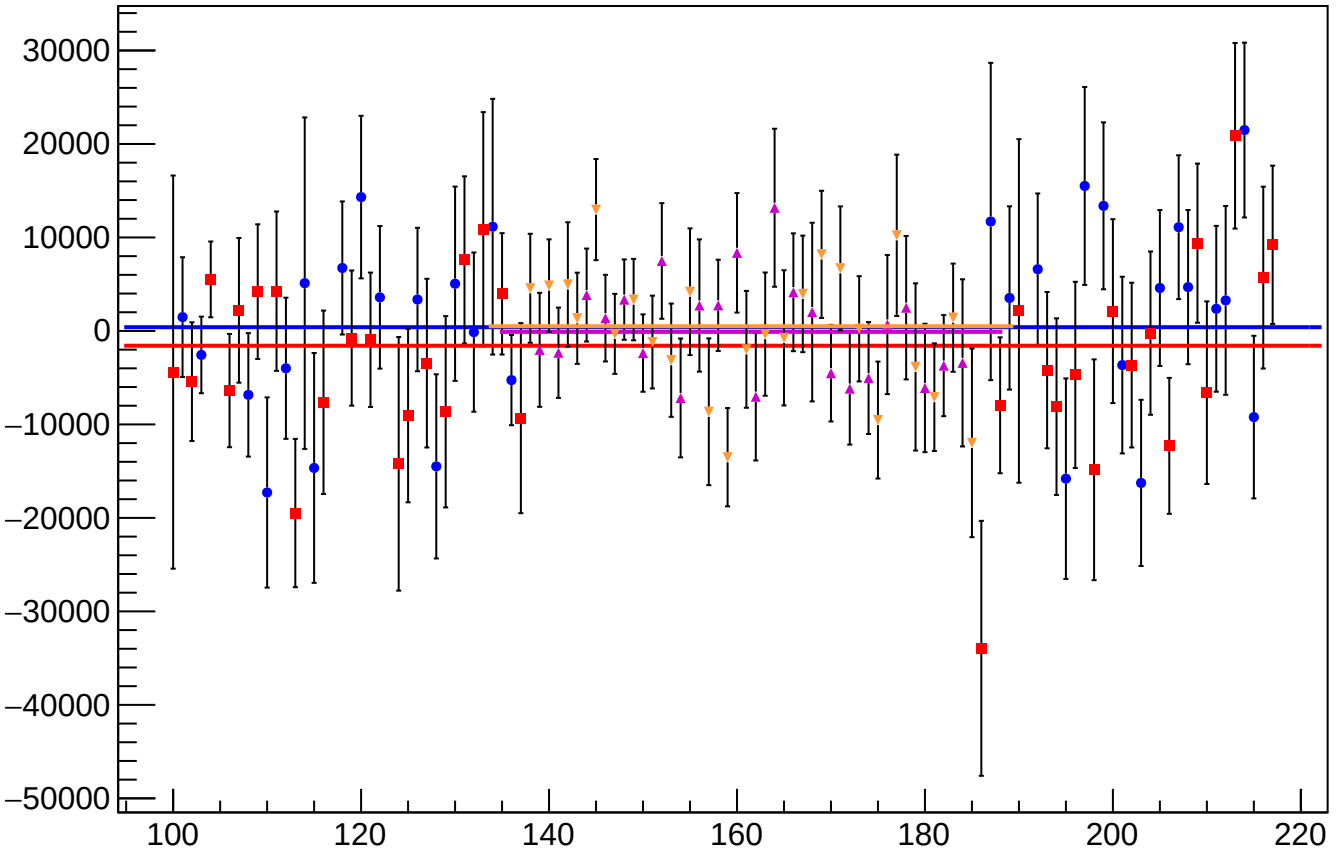
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1636.987+/-0.185 χ^2/NDF: 689732.4/65

In: 1583.417+/-0.183 χ^2/NDF:476210.8/53

Out: 1586.008+/-0.178 χ^2/NDF:445207.7/59

All: 1584.745+/-0.128 χ^2/NDF: 921521.2/113



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: -1582.063+/-1407.102 χ^2/NDF: 36.3/34

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

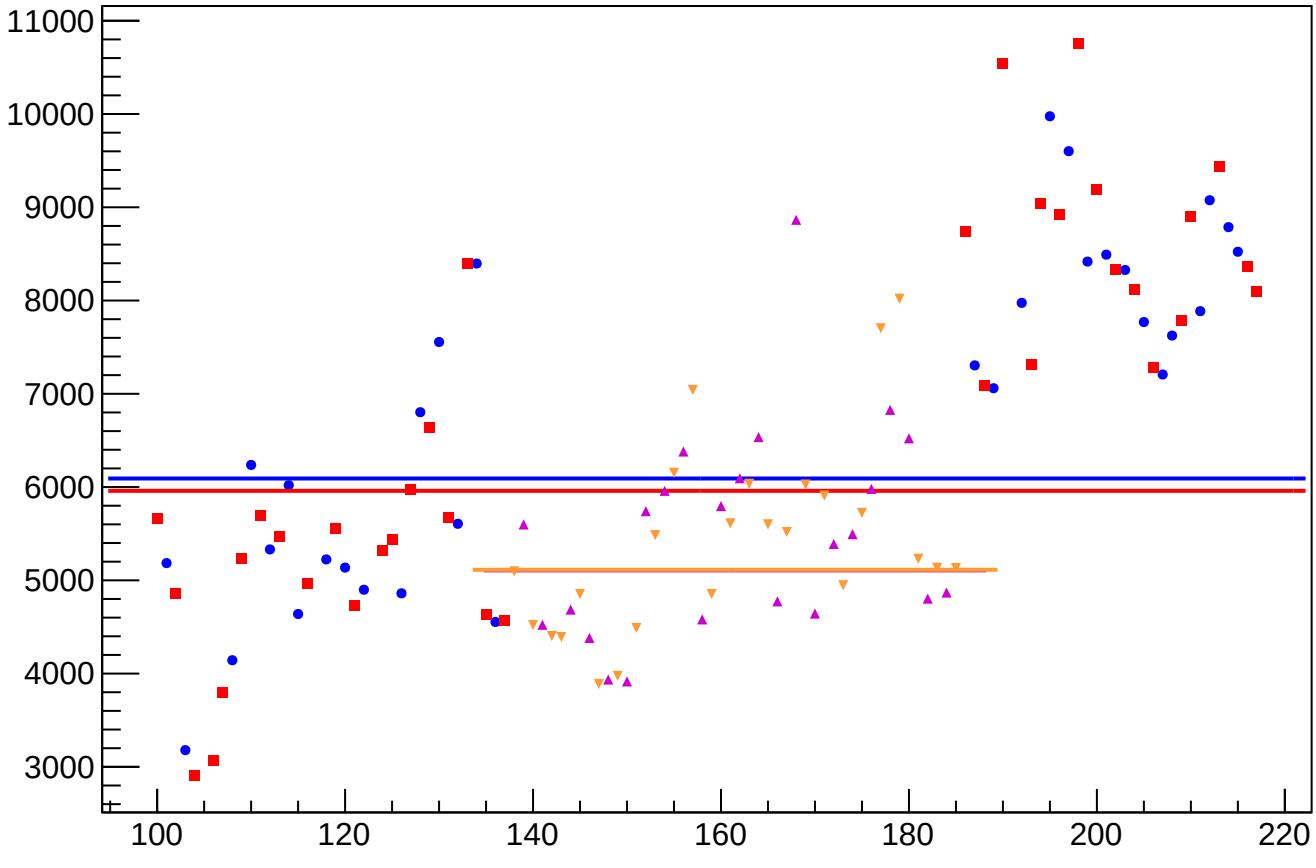
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -627.151+/-1013.216 χ^2/NDF: 72.3/65

In: 106.766+/-935.132 χ^2/NDF:50.0/53

Out: -363.646+/-907.426 χ^2/NDF:64.4/59

All: -135.512+/-651.222 χ^2/NDF: 114.5/113



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: 5959.473+/-0.995 χ^2/NDF: 4484126.3/34

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

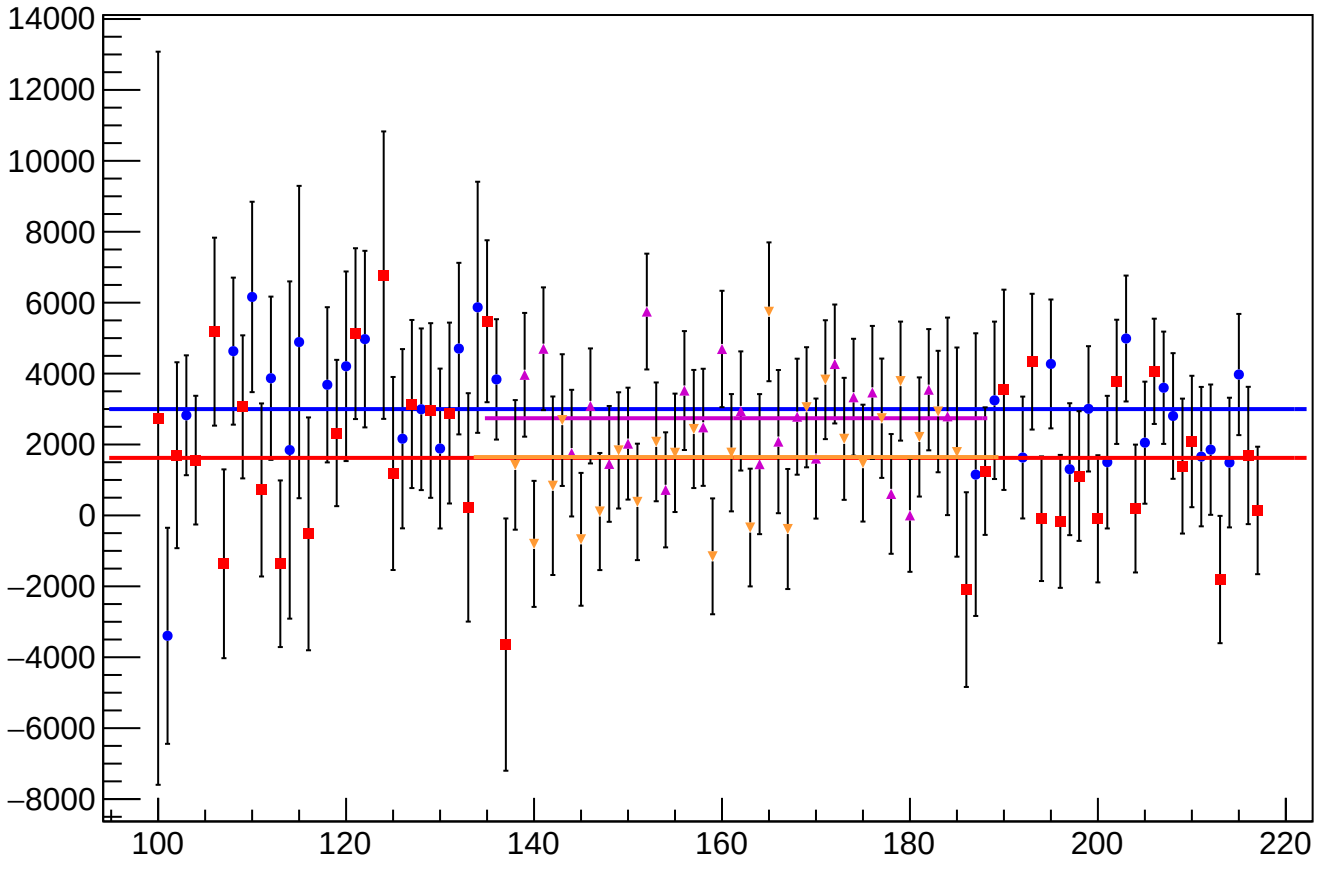
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 6023.168+/-0.716 χ^2/NDF: 8020874.4/65

In: 5510.528+/-0.661 χ^2/NDF:5317101.0/53

Out: 5465.003+/-0.642 χ^2/NDF:6065973.6/59

All: 5487.081+/-0.460 χ^2/NDF: 11385515.9/1



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: 1622.340+/-365.258 χ^2/NDF: 32.3/34

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

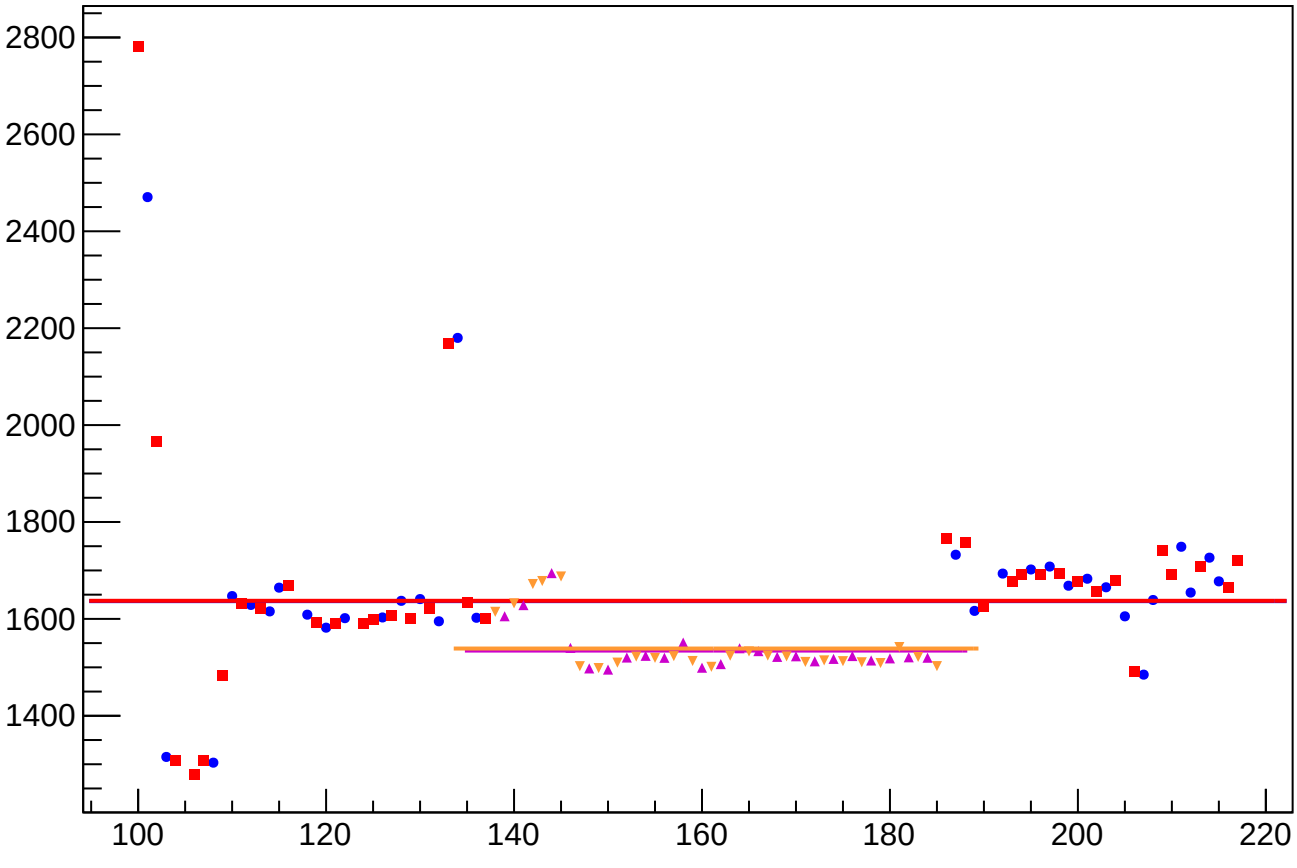
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2293.587+/-261.417 χ^2/NDF: 55.1/65

In: 2864.094+/-258.890 χ^2/NDF:32.6/53

Out: 1634.836+/-252.618 χ^2/NDF:53.3/59

All: 2234.396+/-180.805 χ^2/NDF: 97.4/113



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: 1637.325+/-0.258 χ^2/NDF: 322131.9/34

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

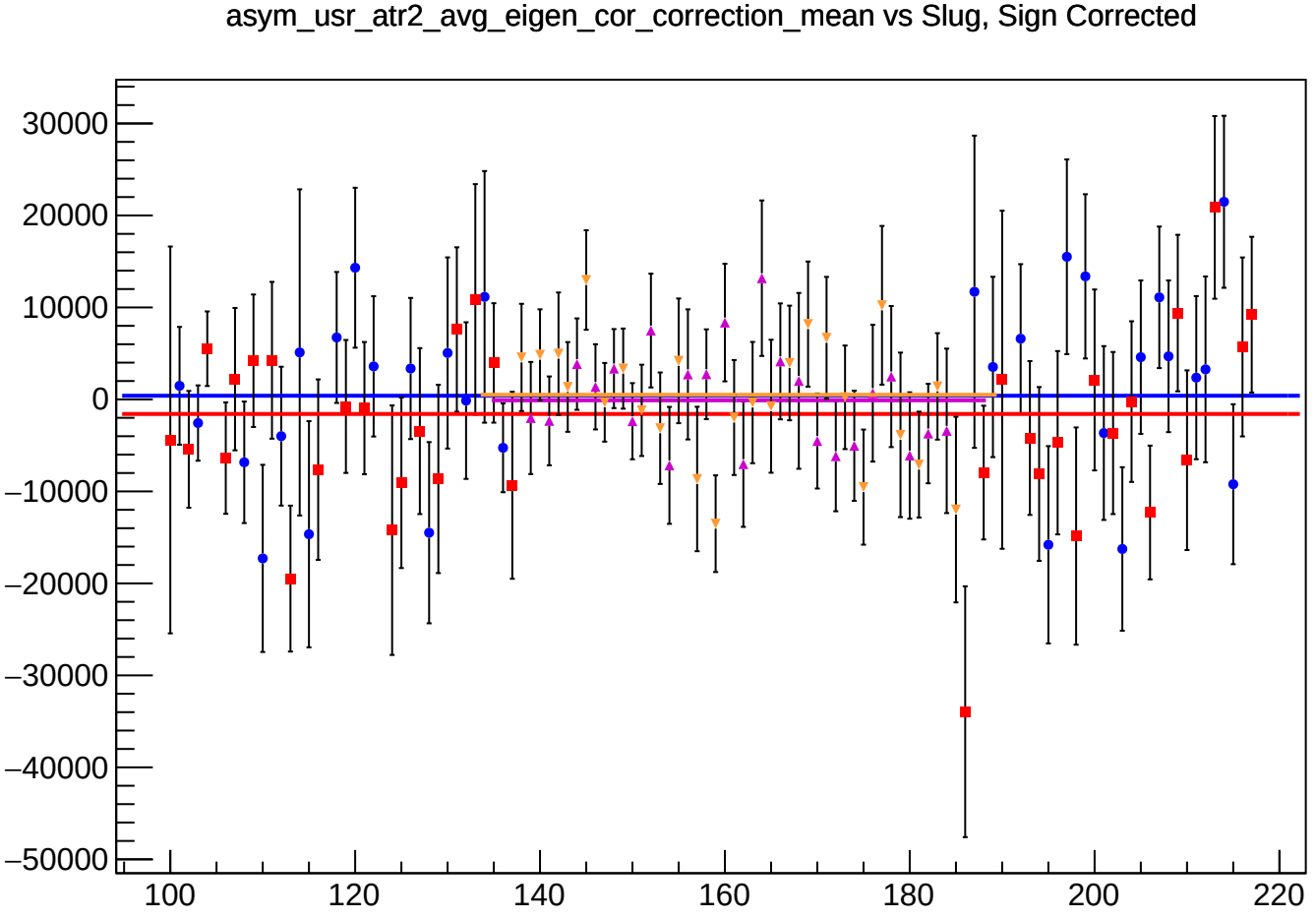
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1636.987+/-0.185 χ^2/NDF: 689732.4/65

In: 1583.417+/-0.183 χ^2/NDF:476210.8/53

Out: 1586.008+/-0.178 χ^2/NDF:445207.7/59

All: 1584.745+/-0.128 χ^2/NDF: 921521.2/113



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: -1582.063+/-1407.102 χ^2/NDF: 36.3/34

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

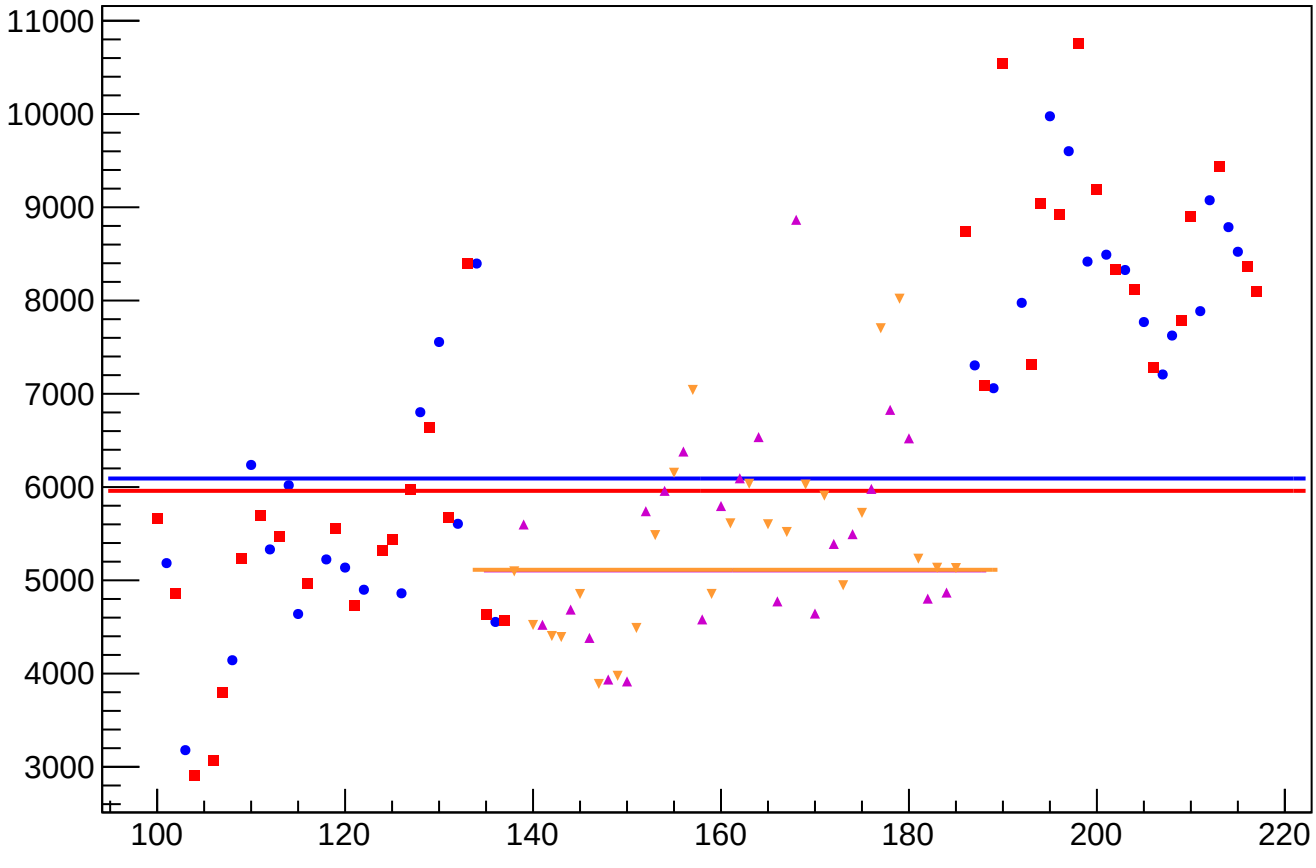
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -627.151+/-1013.216 χ^2/NDF: 72.3/65

In: 106.766+/-935.132 χ^2/NDF:50.0/53

Out: -363.646+/-907.426 χ^2/NDF:64.4/59

All: -135.512+/-651.222 χ^2/NDF: 114.5/113



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: 5959.473+/-0.995 χ^2/NDF: 4484126.3/34

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

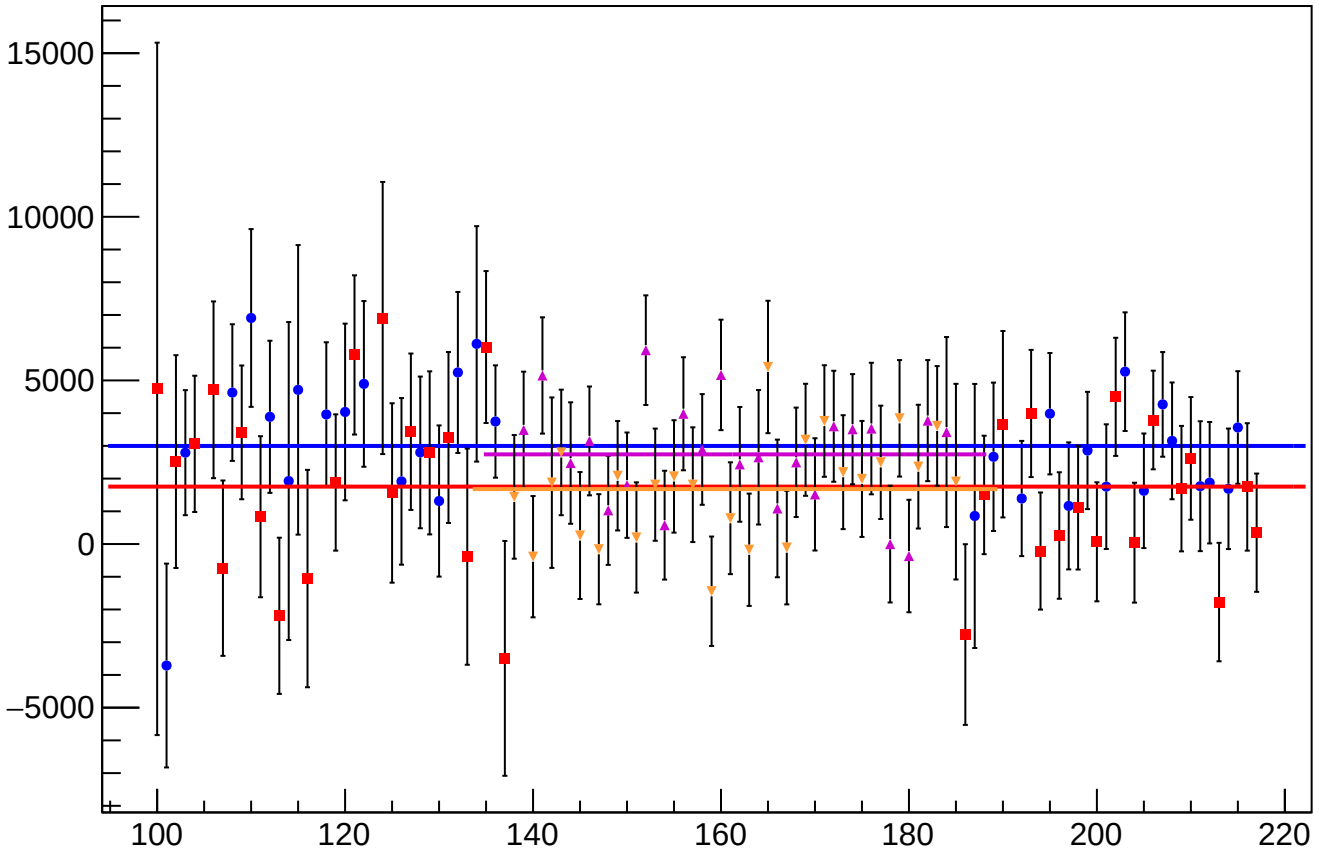
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 6023.168+/-0.716 χ^2/NDF: 8020874.4/65

In: 5510.528+/-0.661 χ^2/NDF:5317101.0/53

Out: 5465.003+/-0.642 χ^2/NDF:6065973.6/59

All: 5487.081+/-0.460 χ^2/NDF: 11385515.9/1



Right In: 2997.682+/-381.695 χ^2/NDF: 18.0/30

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1754.955+/-373.379 χ^2/NDF: 34.9/34

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

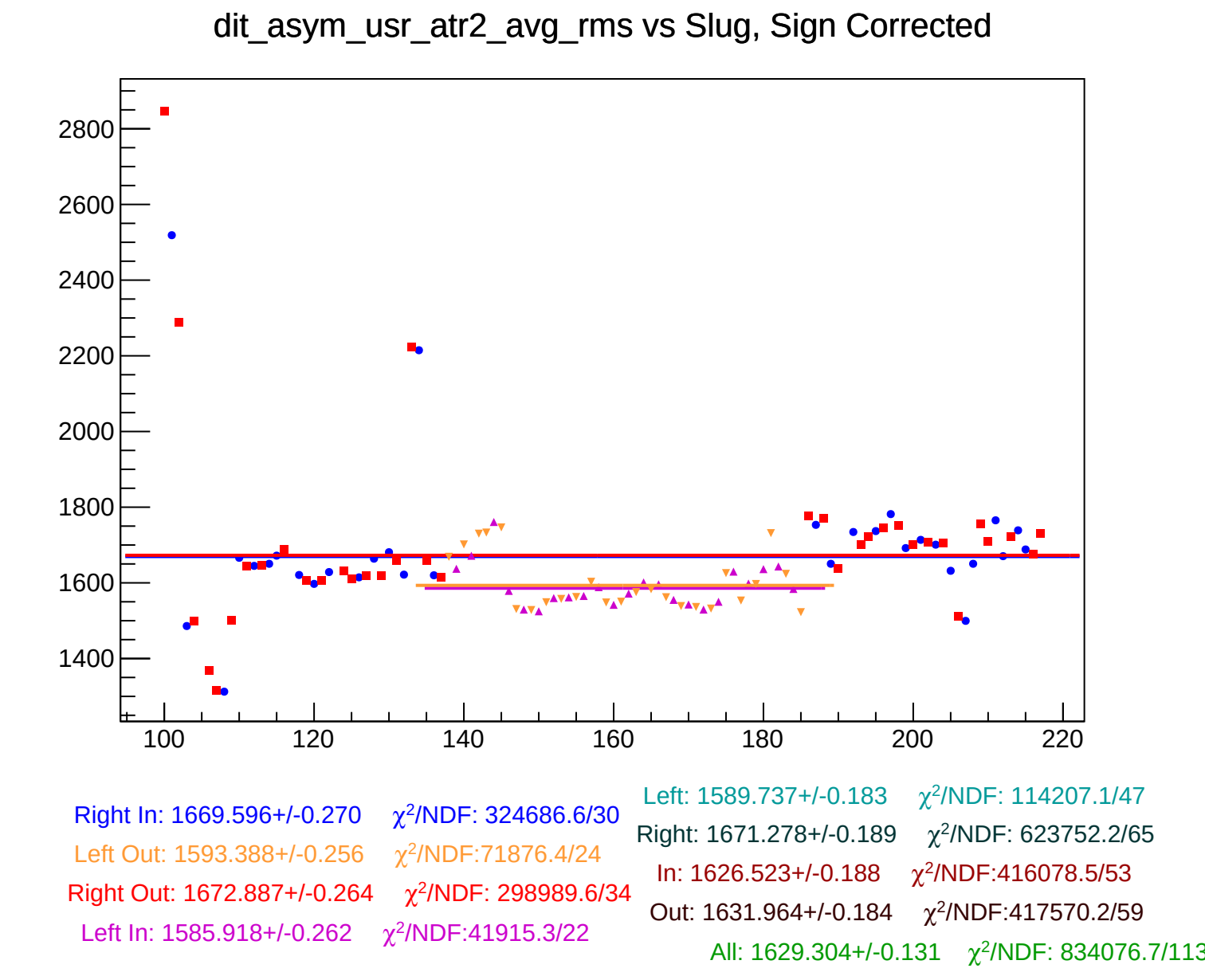
Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

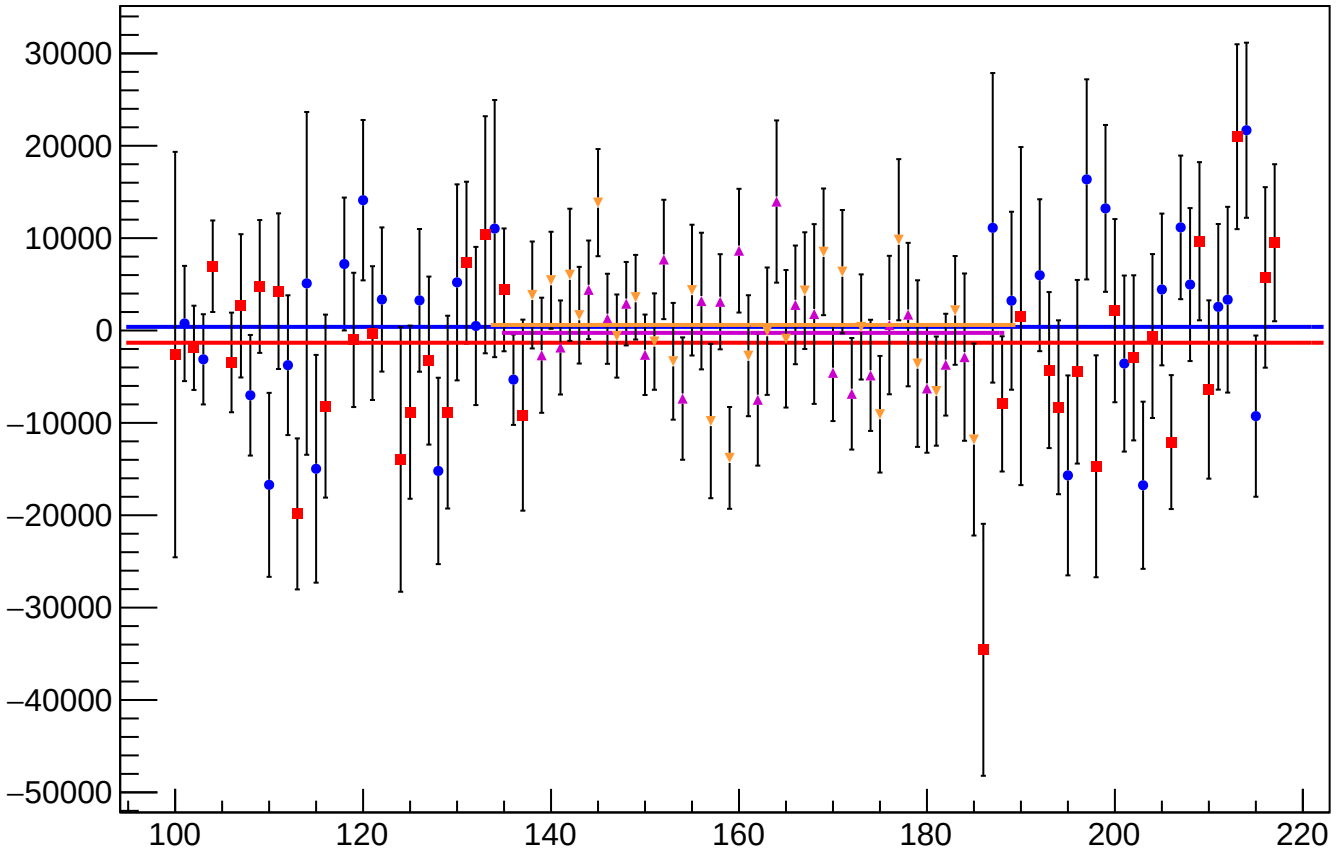
Right: 2362.633+/-266.911 χ^2/NDF: 58.4/65

In: 2865.386+/-265.891 χ^2/NDF:37.4/53

Out: 1715.927+/-260.047 χ^2/NDF:53.9/59

All: 2277.885+/-185.913 χ^2/NDF: 100.9/113


dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
120
140
160
180
200
220
Right In: 1669.596+/-0.270 χ²/NDF: 324686.6/30
Left Out: 1593.388+/-0.256 χ²/NDF:71876.4/24
Right Out: 1672.887+/-0.264 χ²/NDF: 298989.6/34
Left In: 1585.918+/-0.262 χ²/NDF:41915.3/22
Left: 1589.737+/-0.183 χ²/NDF: 114207.1/47
Right: 1671.278+/-0.189 χ²/NDF: 623752.2/65
In: 1626.523+/-0.188 χ²/NDF:416078.5/53
Out: 1631.964+/-0.184 χ²/NDF:417570.2/59
All: 1629.304+/-0.131 χ²/NDF: 834076.7/113



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: -1324.421+/-1400.944 χ^2/NDF: 35.3/34

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

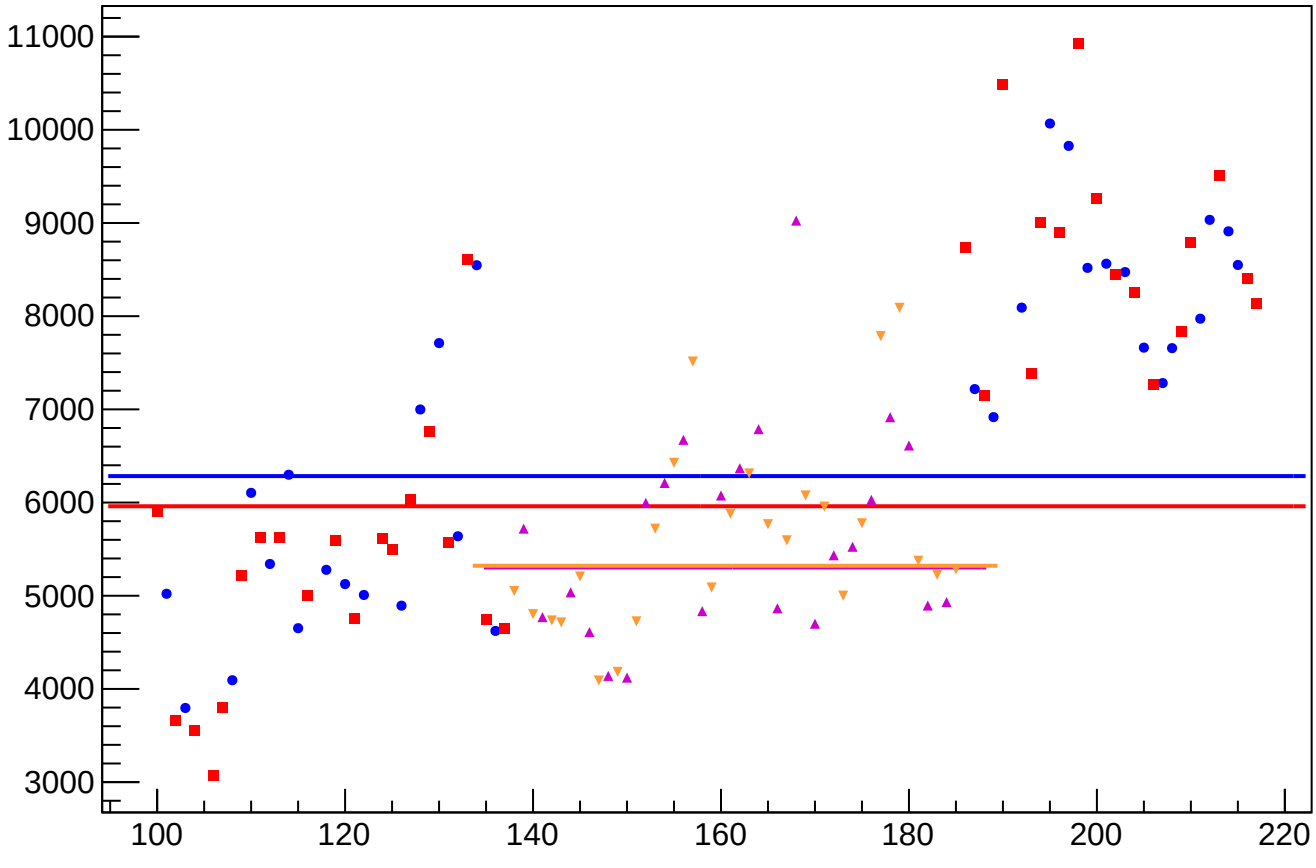
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -521.709+/-1022.351 χ^2/NDF: 70.9/65

In: 14.092+/-964.701 χ^2/NDF:49.6/53

Out: -239.407+/-925.811 χ^2/NDF:62.4/59

All: -117.870+/-667.973 χ^2/NDF: 112.1/113



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: 5960.344+/-0.991 χ^2/NDF: 4410106.9/34

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

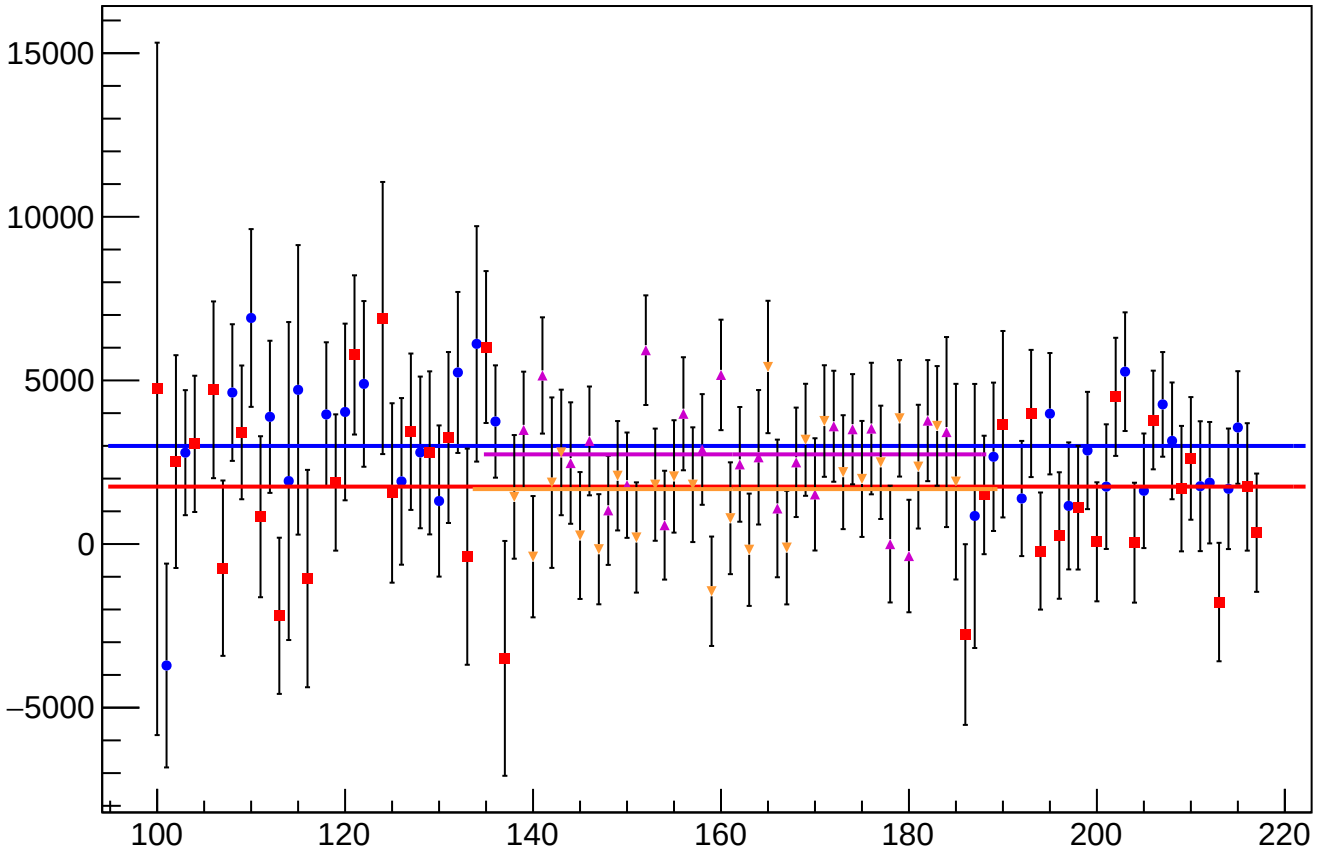
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 6111.578+/-0.723 χ^2/NDF: 7463071.5/65

In: 5711.170+/-0.682 χ^2/NDF:4658025.4/53

Out: 5600.752+/-0.655 χ^2/NDF:5681044.2/59

All: 5653.691+/-0.472 χ^2/NDF: 10352709.1/1



Right In: 2997.679+/-381.695 χ^2/NDF: 18.0/30

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1754.959+/-373.379 χ^2/NDF: 34.9/34

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

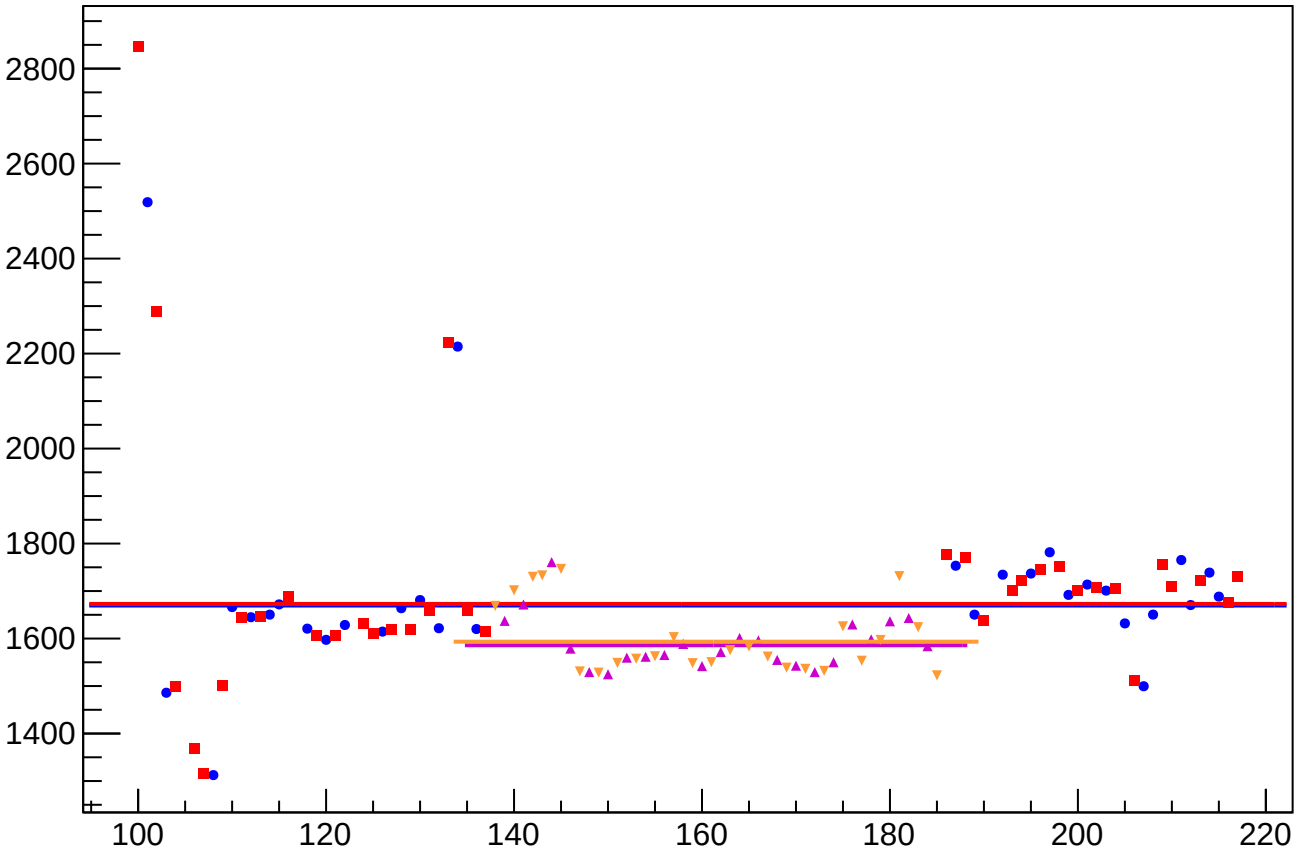
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2362.633+/-266.910 χ^2/NDF: 58.4/65

In: 2865.384+/-265.891 χ^2/NDF:37.4/53

Out: 1715.926+/-260.047 χ^2/NDF:53.9/59

All: 2277.884+/-185.913 χ^2/NDF: 100.9/113



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: 1672.887+/-0.264 χ^2/NDF: 298989.6/34

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

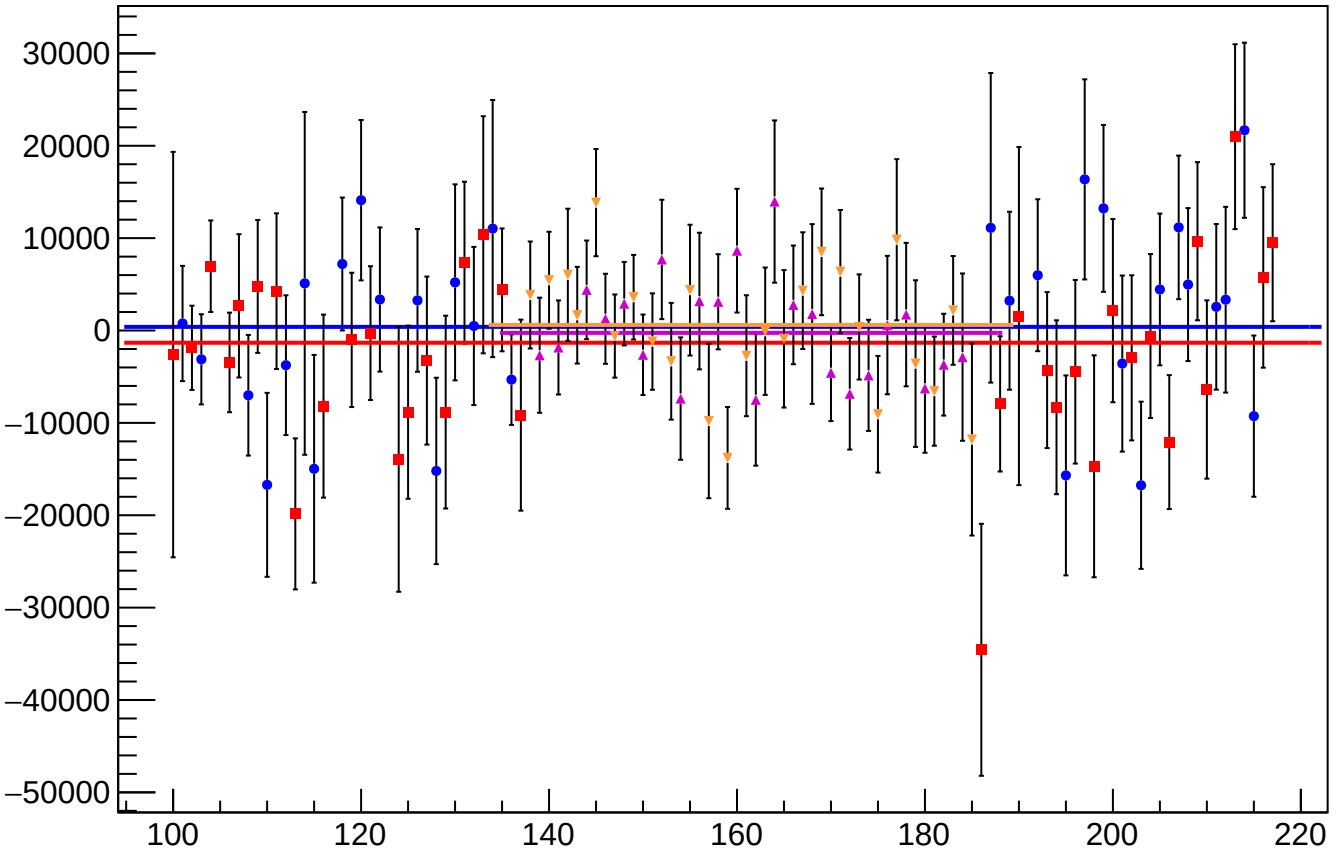
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1671.278+/-0.189 χ^2/NDF: 623752.6/65

In: 1626.524+/-0.188 χ^2/NDF:416077.2/53

Out: 1631.964+/-0.184 χ^2/NDF:417568.9/59

All: 1629.305+/-0.131 χ^2/NDF: 834074.1/113



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: -1324.418+/-1400.943 χ^2/NDF: 35.3/34

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

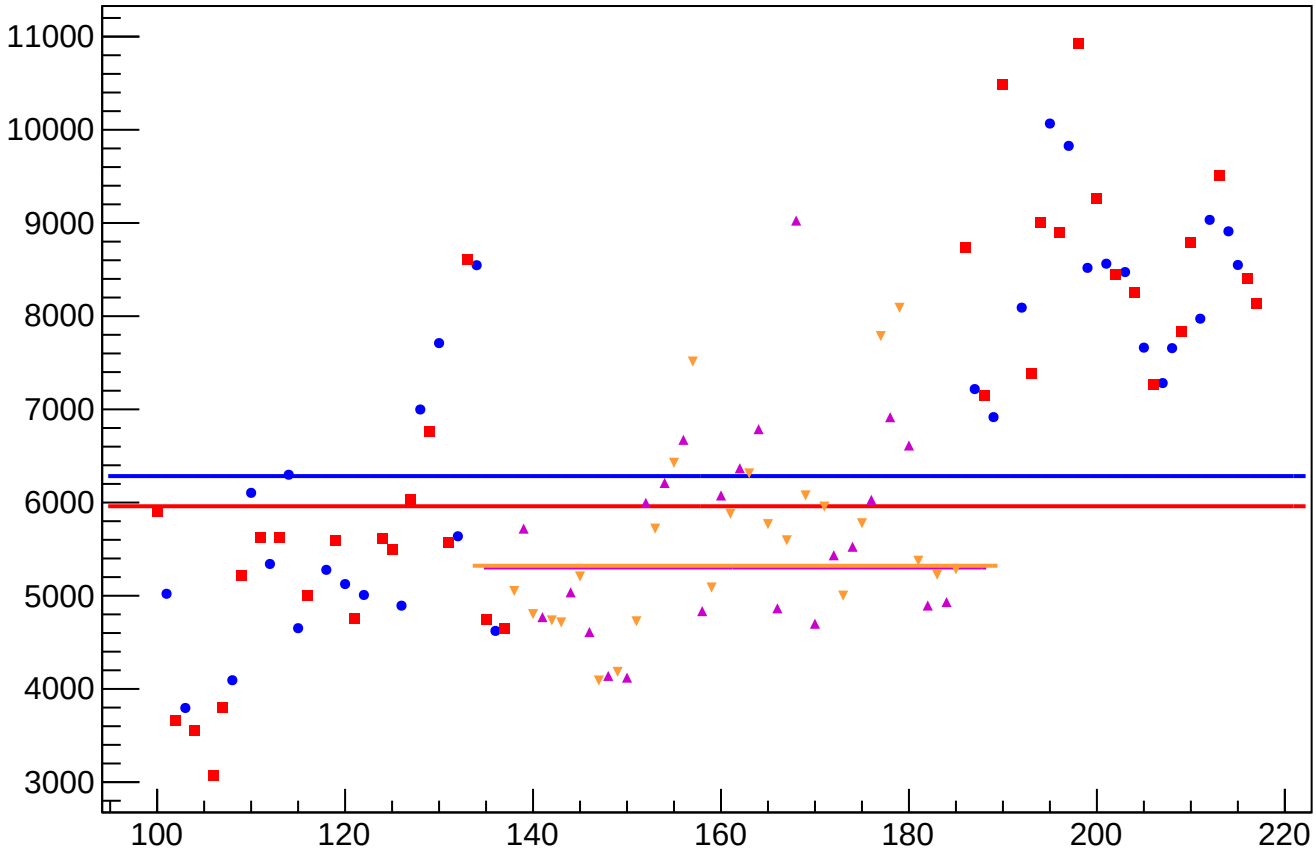
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -521.706+/-1022.350 χ^2/NDF: 70.9/65

In: 14.094+/-964.702 χ^2/NDF:49.6/53

Out: -239.410+/-925.811 χ^2/NDF:62.4/59

All: -117.871+/-667.973 χ^2/NDF: 112.1/113



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: 5960.339+/-0.991 χ^2/NDF: 4410127.7/34

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

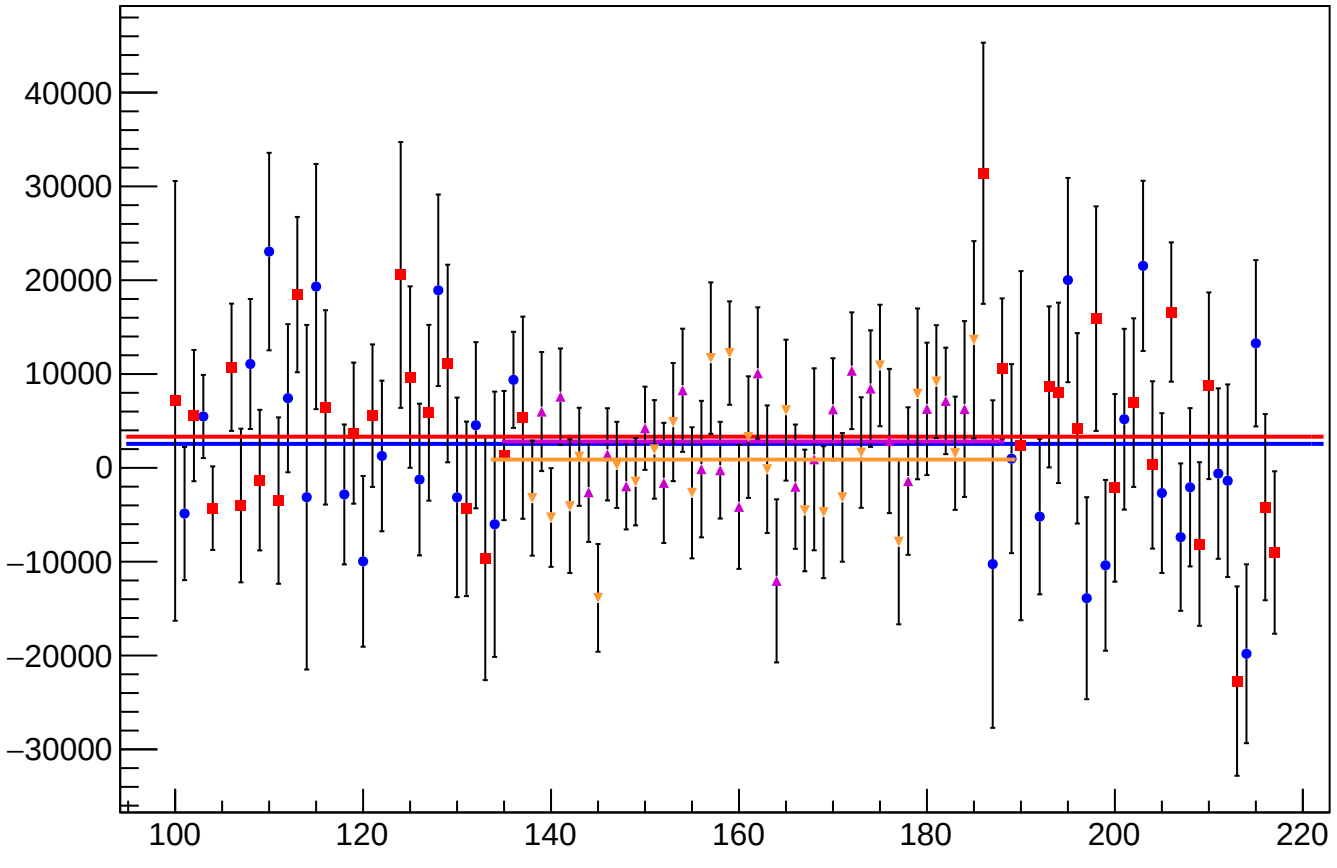
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 6111.573+/-0.723 χ^2/NDF: 7463110.7/65

In: 5711.175+/-0.682 χ^2/NDF:4658034.0/53

Out: 5600.756+/-0.655 χ^2/NDF:5681056.3/59

All: 5653.695+/-0.472 χ^2/NDF: 10352730.0/1



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: 3323.656+/-1476.572 χ^2/NDF: 35.7/34

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

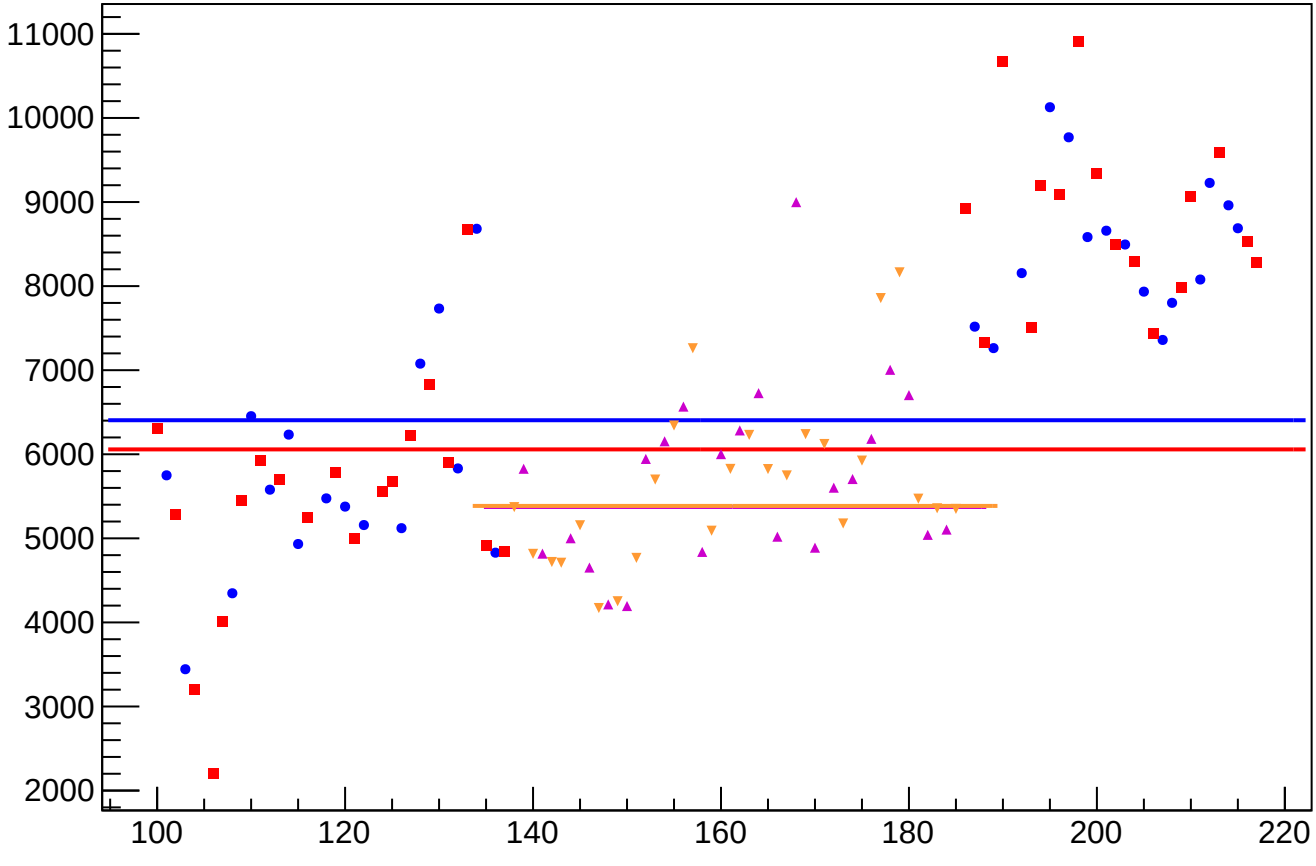
Right: 2953.370+/-1060.866 χ^2/NDF: 74.8/65

In: 2706.660+/-979.221 χ^2/NDF:53.7/53

Out: 1900.027+/-952.485 χ^2/NDF:62.9/59

All: 2292.182+/-682.765 χ^2/NDF: 117.0/113

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: 6057.862+/-1.019 χ^2/NDF: 4932217.9/34

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

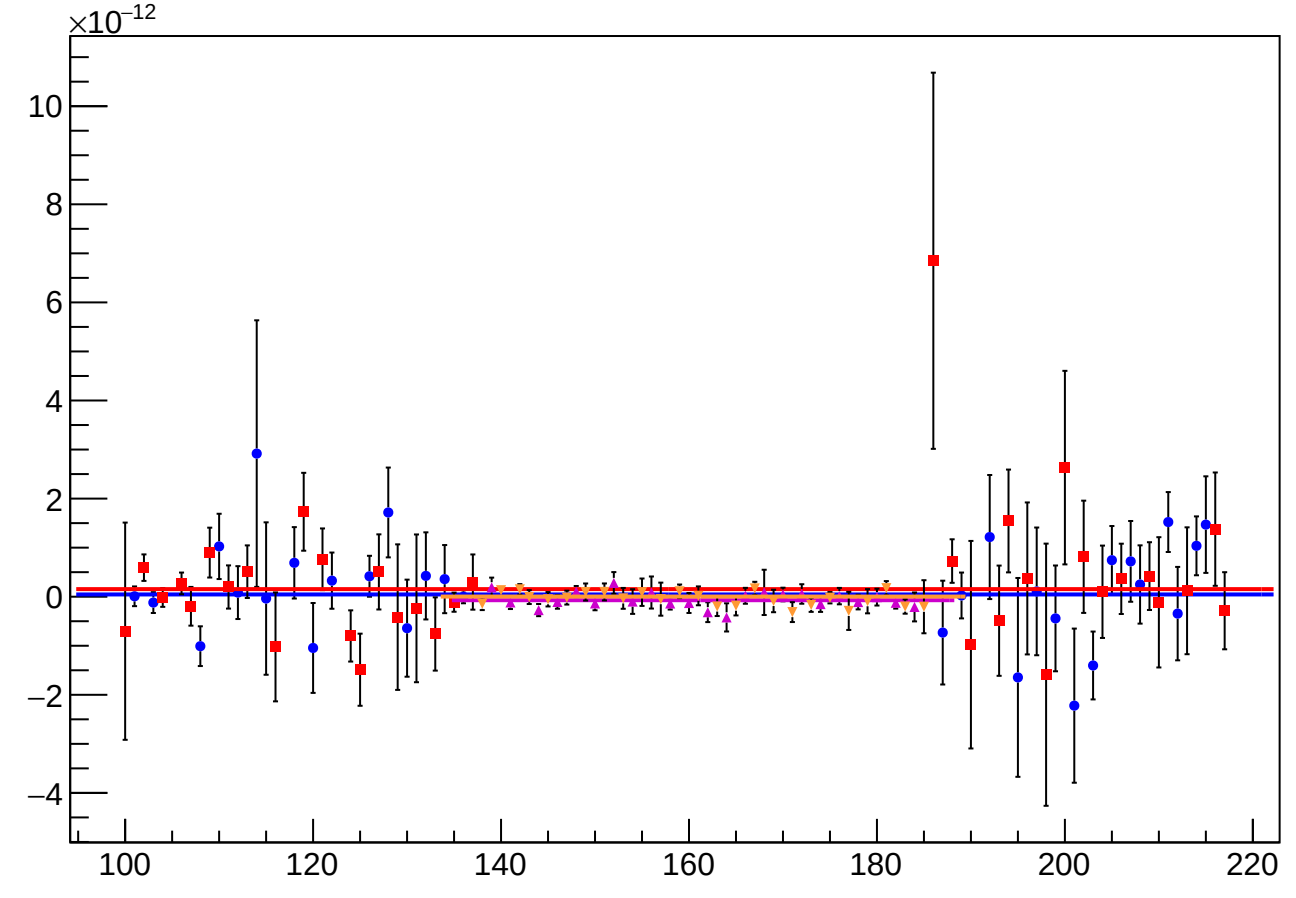
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

Right: 6221.487+/-0.741 χ^2/NDF: 8081928.1/65

In: 5798.229+/-0.692 χ^2/NDF:4705004.3/53

Out: 5673.361+/-0.667 χ^2/NDF:6168251.2/59

All: 5733.425+/-0.480 χ^2/NDF: 10890133.5/1



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/34

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

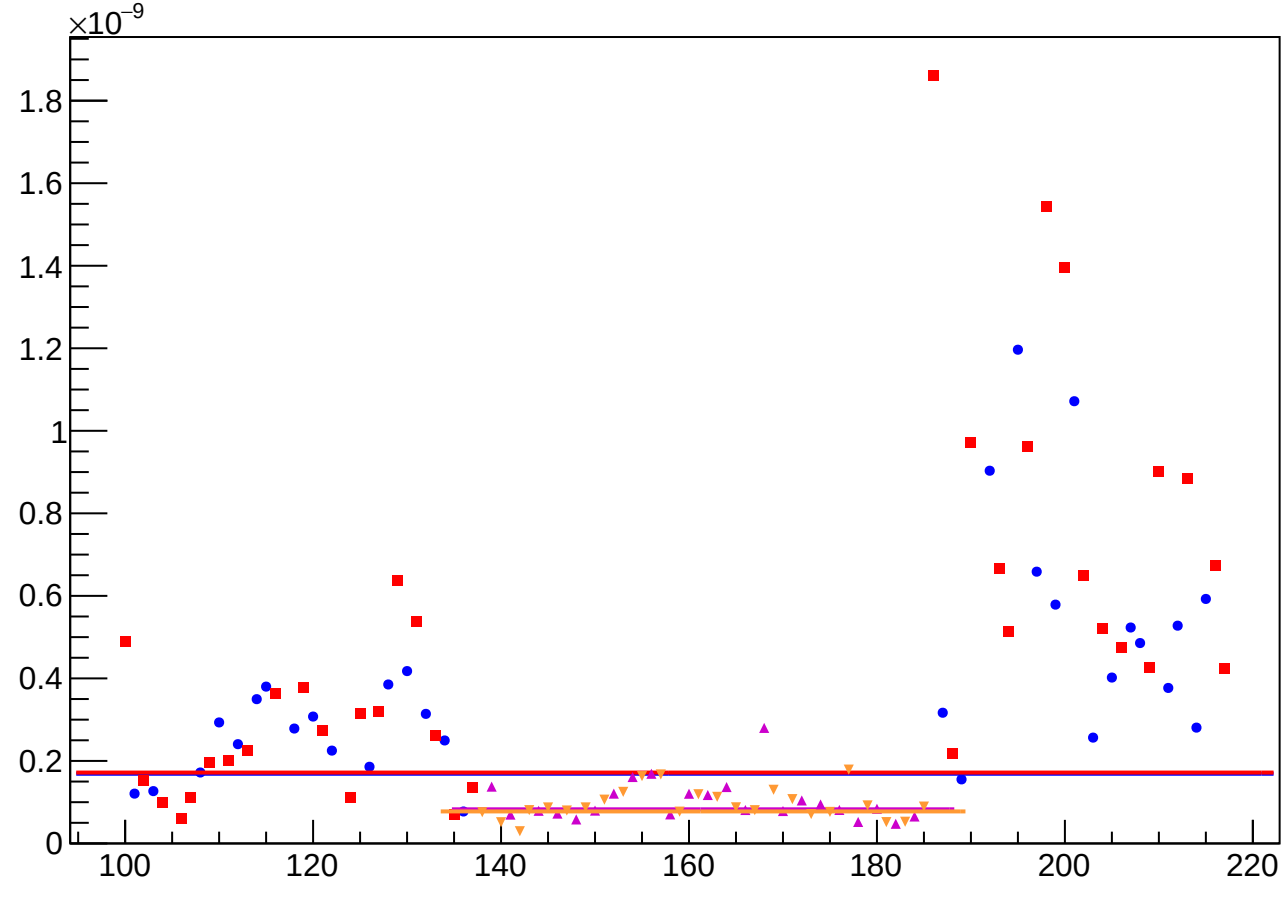
Left: -0.000+/-0.000 χ^2/NDF: 36.7/47

Right: 0.000+/-0.000 χ^2/NDF: 77.1/65

In: -0.000+/-0.000 χ^2/NDF:57.3/53

Out: 0.000+/-0.000 χ^2/NDF:57.8/59

All: -0.000+/-0.000 χ^2/NDF: 118.0/113



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: 8387558.9/34

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

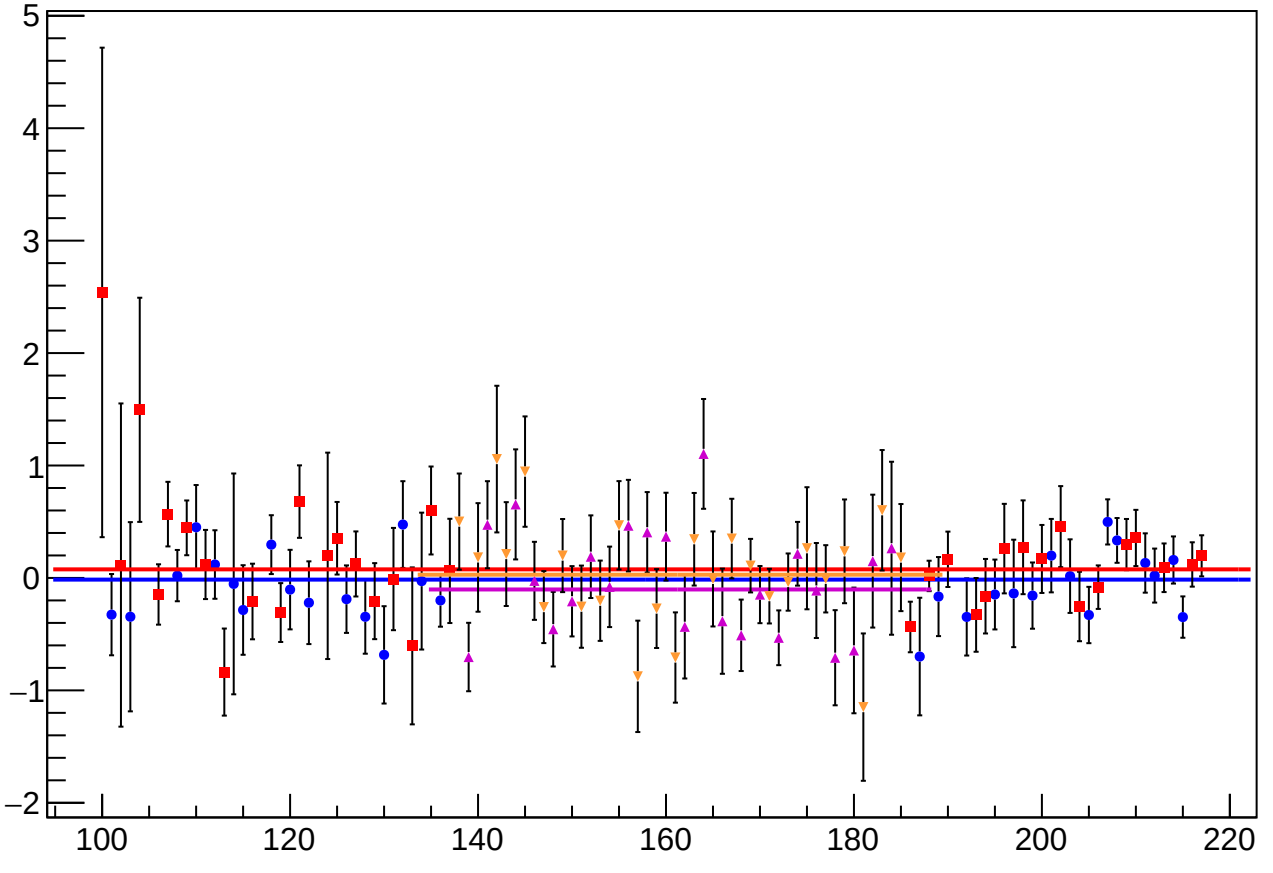
Right: 0.000+/-0.000 χ^2/NDF: 14477361.8/65

In: 0.000+/-0.000 χ^2/NDF:9605923.8/53

Out: 0.000+/-0.000 χ^2/NDF:12232408.6/59

All: 0.000+/-0.000 χ^2/NDF: 21885715.7/113

asym_usr_atr2_avg_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: 0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

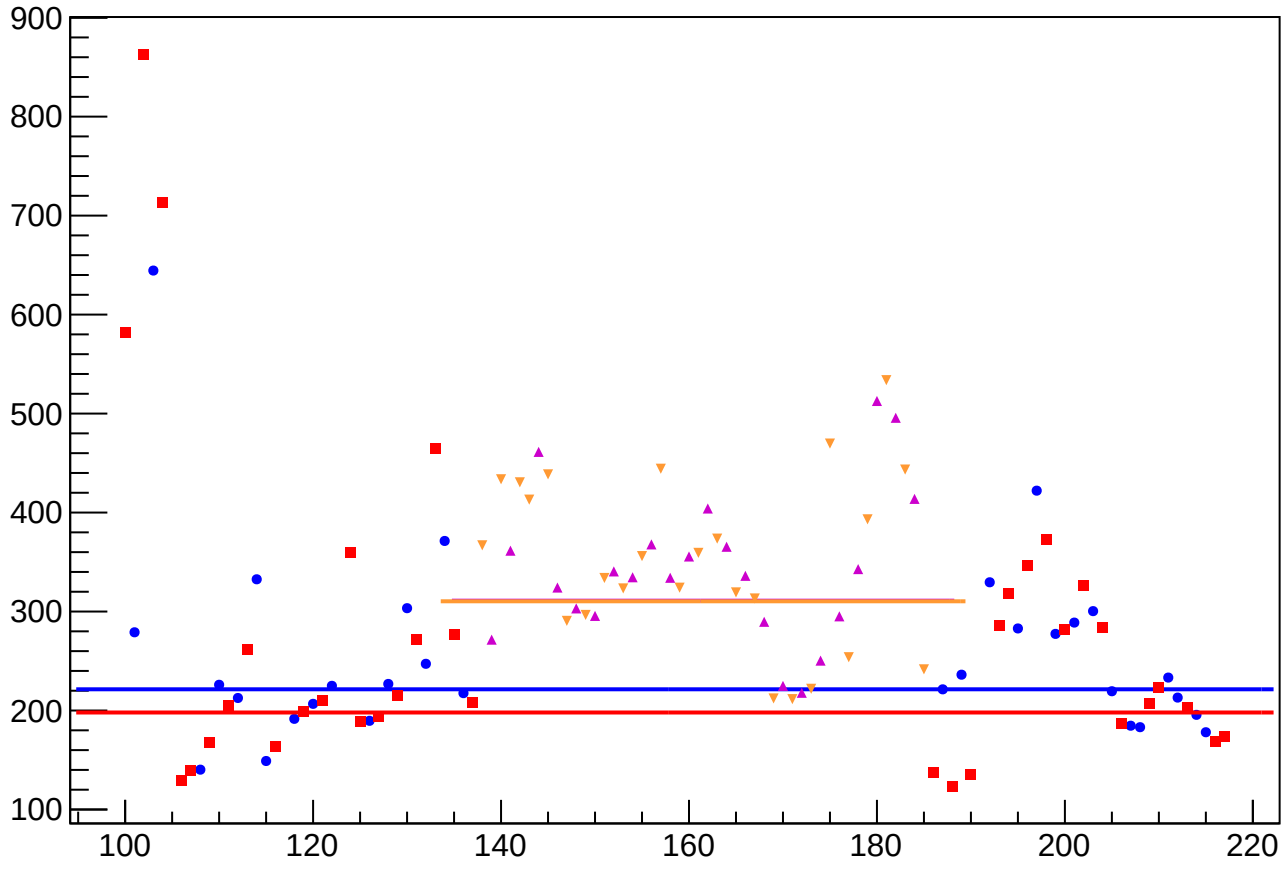
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.035+/-0.036 χ^2/NDF: 70.9/65

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.062+/-0.040 χ^2/NDF:64.8/59

All: 0.014+/-0.030 χ^2/NDF: 131.2/113



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: 198.007+/-0.034 χ^2/NDF: 4448548.8/34

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

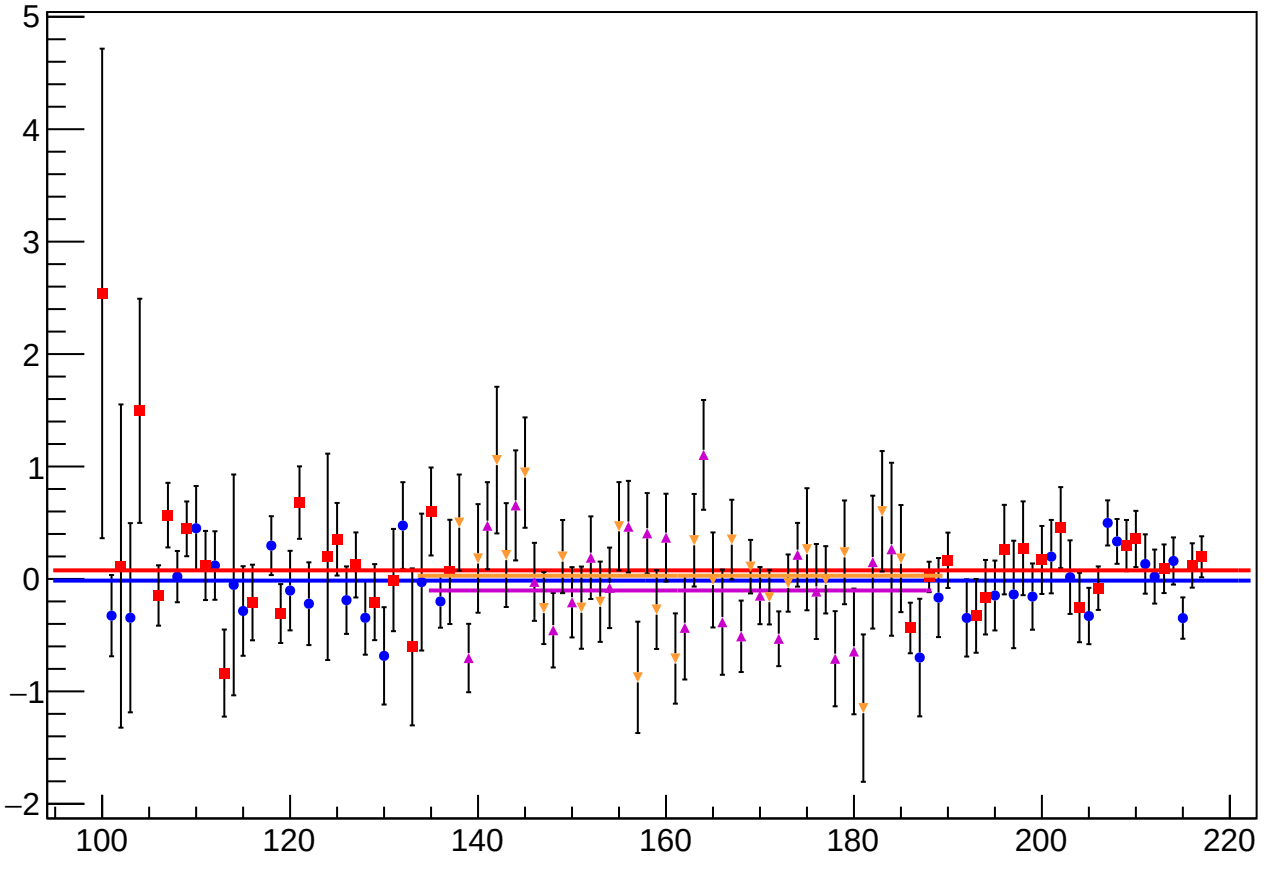
Right: 208.507+/-0.025 χ^2/NDF: 7016197.6/65

In: 250.825+/-0.031 χ^2/NDF:5805906.4/53

Out: 230.865+/-0.029 χ^2/NDF:10015569.6/59

All: 240.062+/-0.021 χ^2/NDF: 16046626.5/11

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: 0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

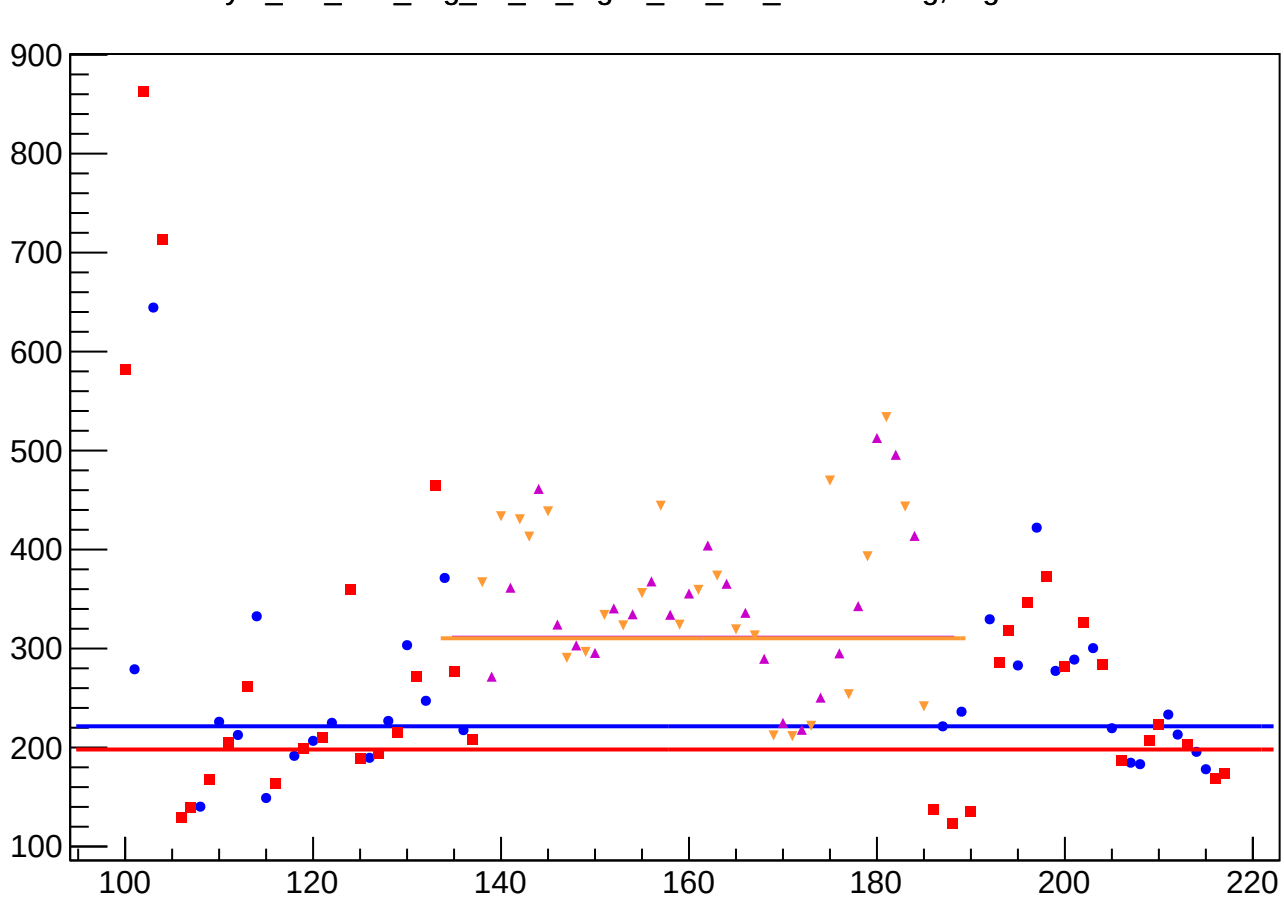
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.035+/-0.036 χ^2/NDF: 70.9/65

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.062+/-0.040 χ^2/NDF:64.8/59

All: 0.014+/-0.030 χ^2/NDF: 131.2/113



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: 198.007+/-0.034 χ^2/NDF: 4448548.8/34

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

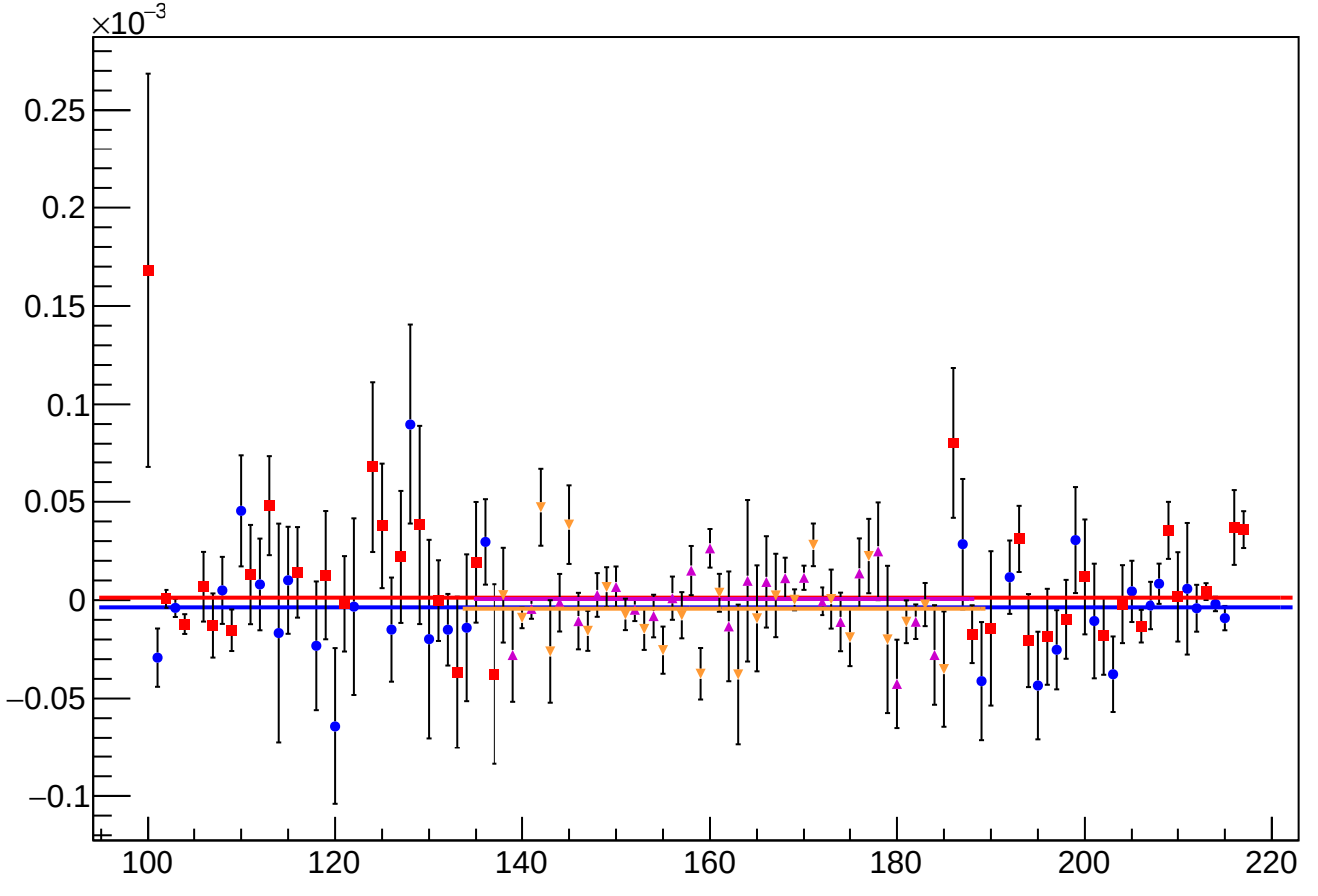
Right: 208.507+/-0.025 χ^2/NDF: 7016197.6/65

In: 250.825+/-0.031 χ^2/NDF:5805906.4/53

Out: 230.865+/-0.029 χ^2/NDF:10015569.6/59

All: 240.062+/-0.021 χ^2/NDF: 16046626.5/11

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 62.4/34

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

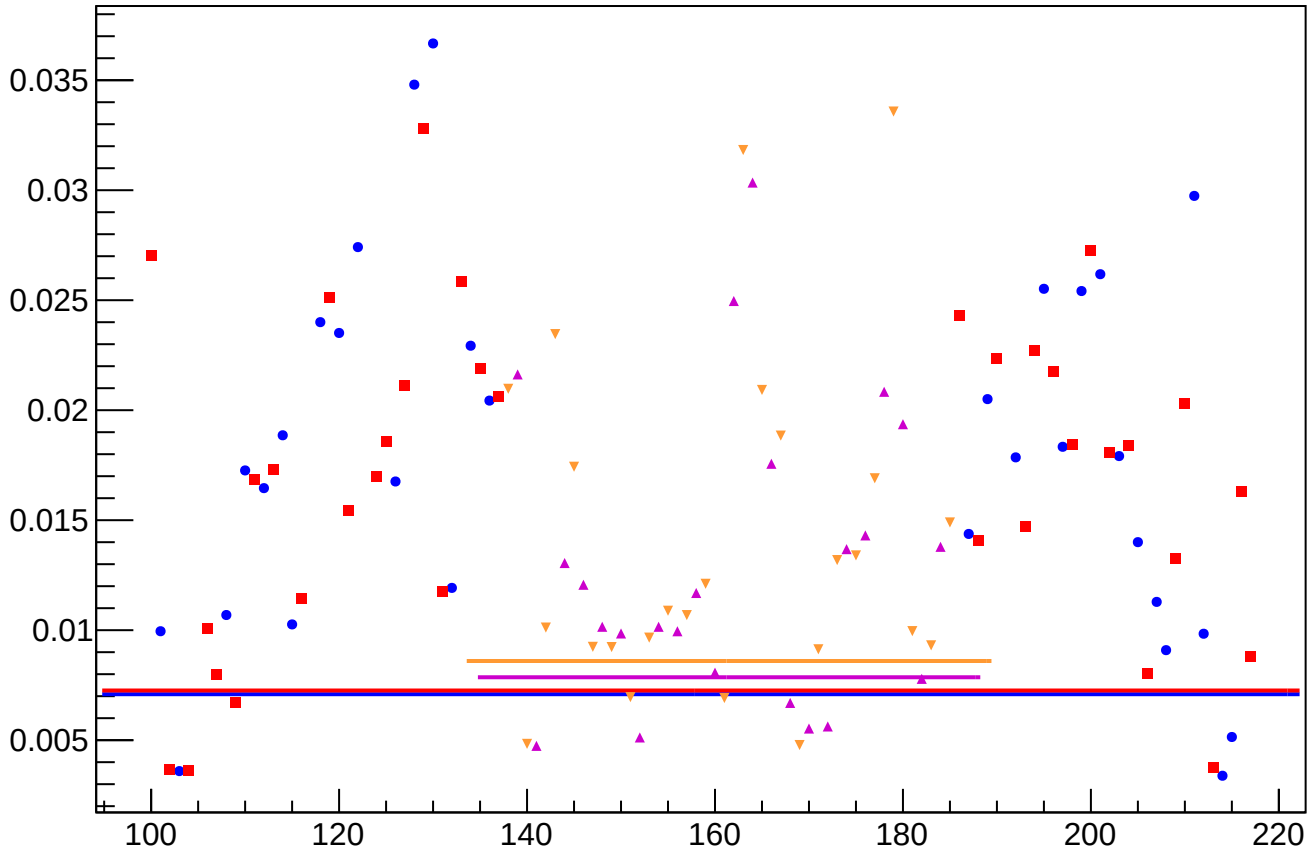
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 95.0/65

In: -0.000+/-0.000 χ^2/NDF:58.4/53

Out: -0.000+/-0.000 χ^2/NDF:108.1/59

All: -0.000+/-0.000 χ^2/NDF: 166.5/113



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: 15071711.2/34

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

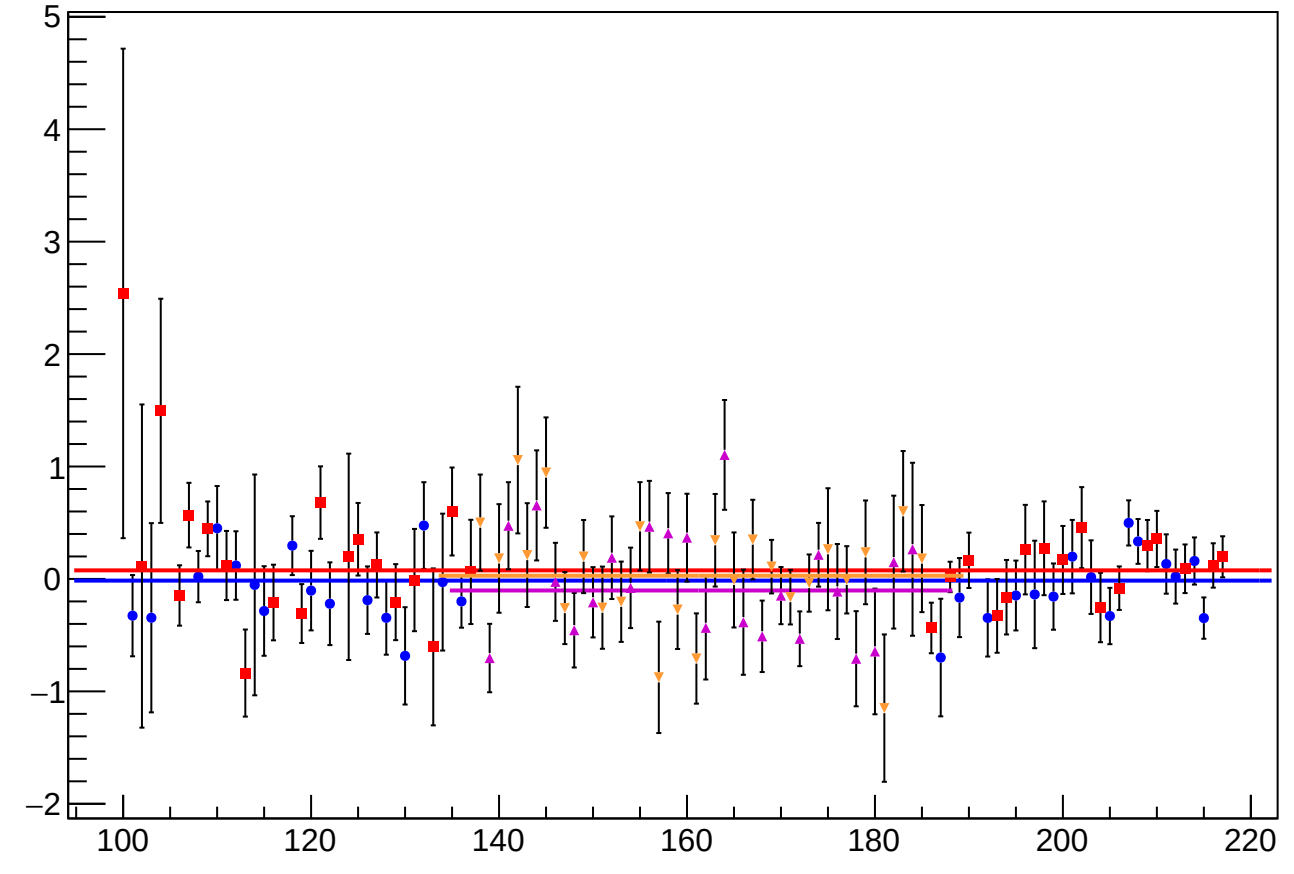
Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

Right: 0.007+/-0.000 χ^2/NDF: 30262370.7/65

In: 0.007+/-0.000 χ^2/NDF:22091480.5/53

Out: 0.008+/-0.000 χ^2/NDF:23108749.0/59

All: 0.008+/-0.000 χ^2/NDF: 45268298.1/113



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: 0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

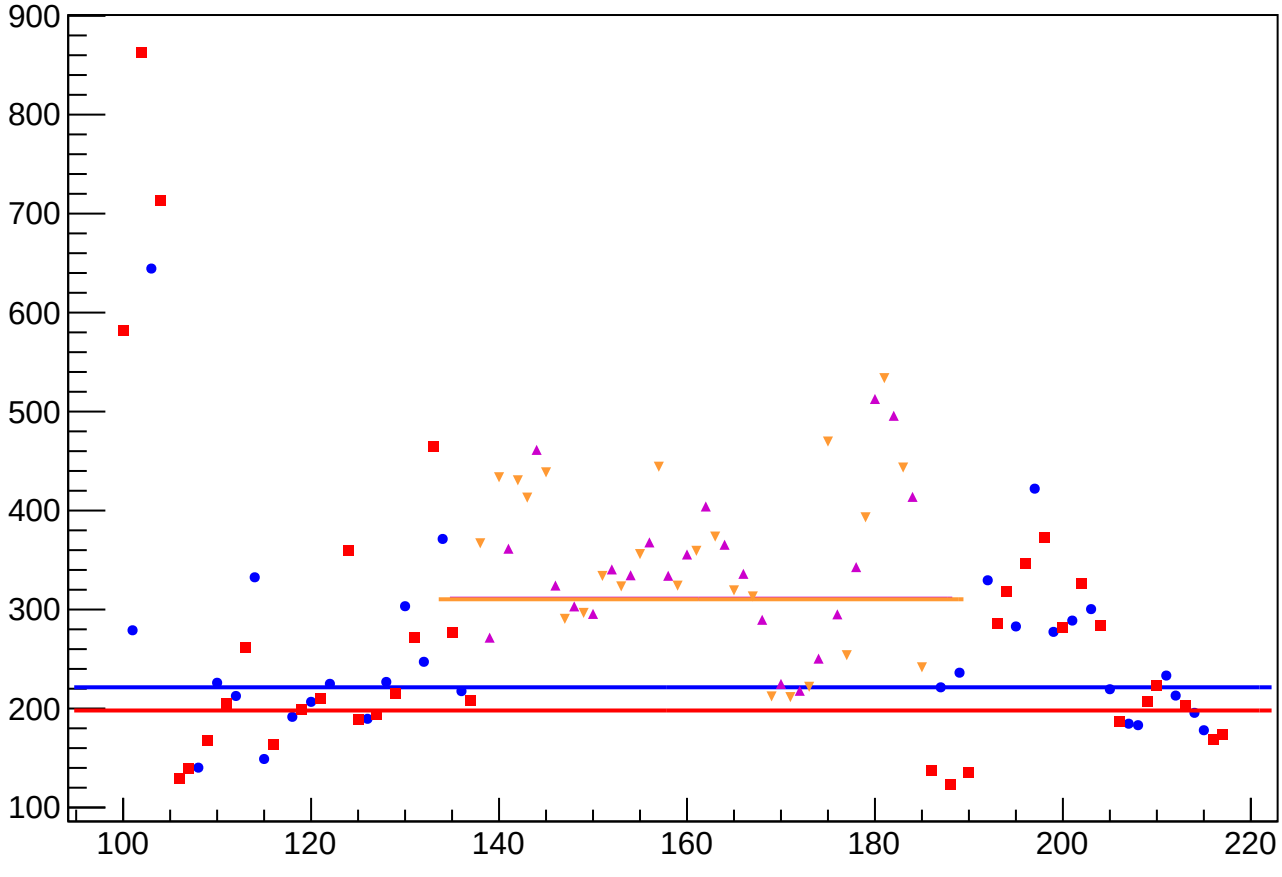
Right: 0.035+/-0.036 χ^2/NDF: 70.9/65

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.062+/-0.040 χ^2/NDF:64.8/59

All: 0.014+/-0.030 χ^2/NDF: 131.2/113

asym_usr_atr2_avg_eigen_dit_vs_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: 198.005+/-0.034 χ^2/NDF: 4448682.0/34

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

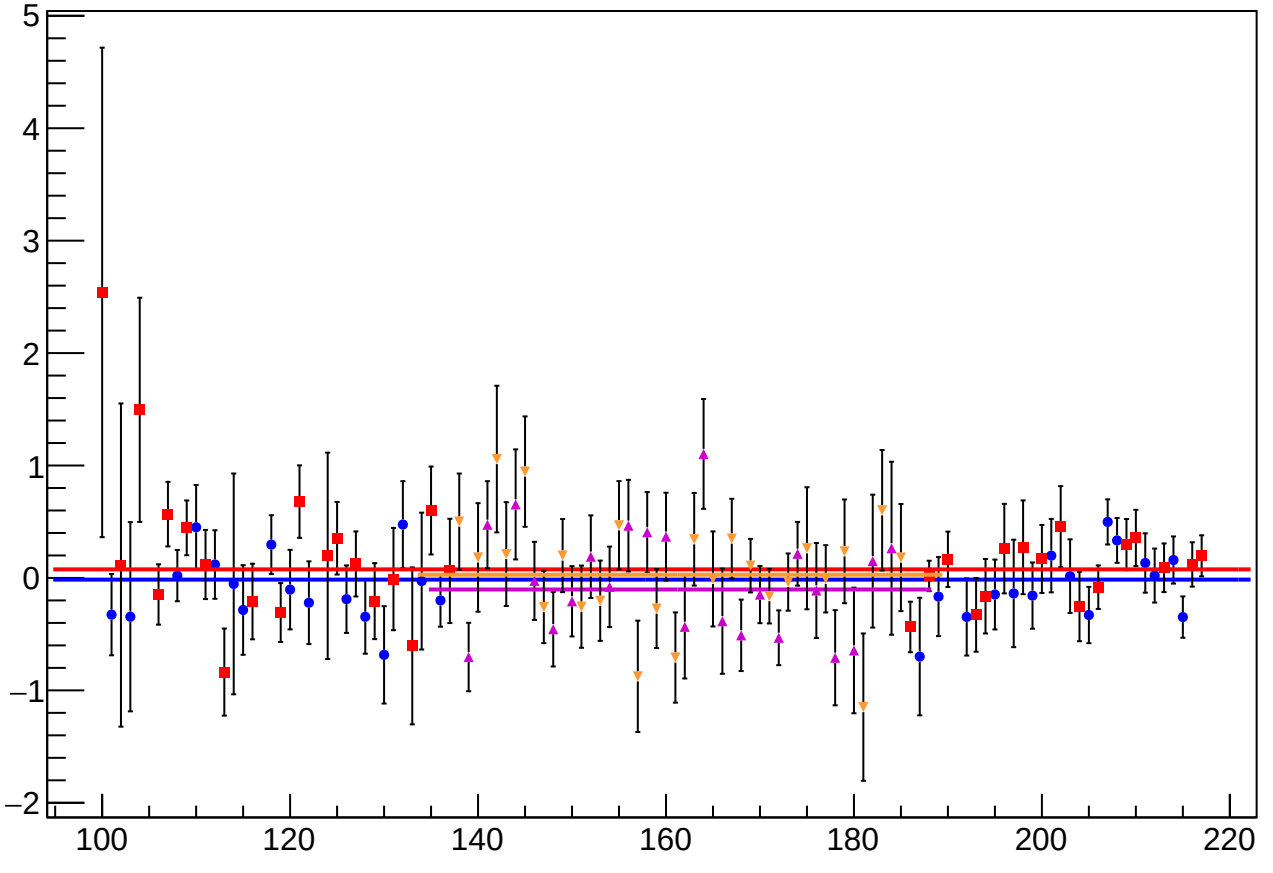
Right: 208.505+/-0.025 χ^2/NDF: 7016361.0/65

In: 250.825+/-0.031 χ^2/NDF:5806073.5/53

Out: 230.864+/-0.029 χ^2/NDF:10016024.9/59

All: 240.061+/-0.021 χ^2/NDF: 16047283.6/11

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: 0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

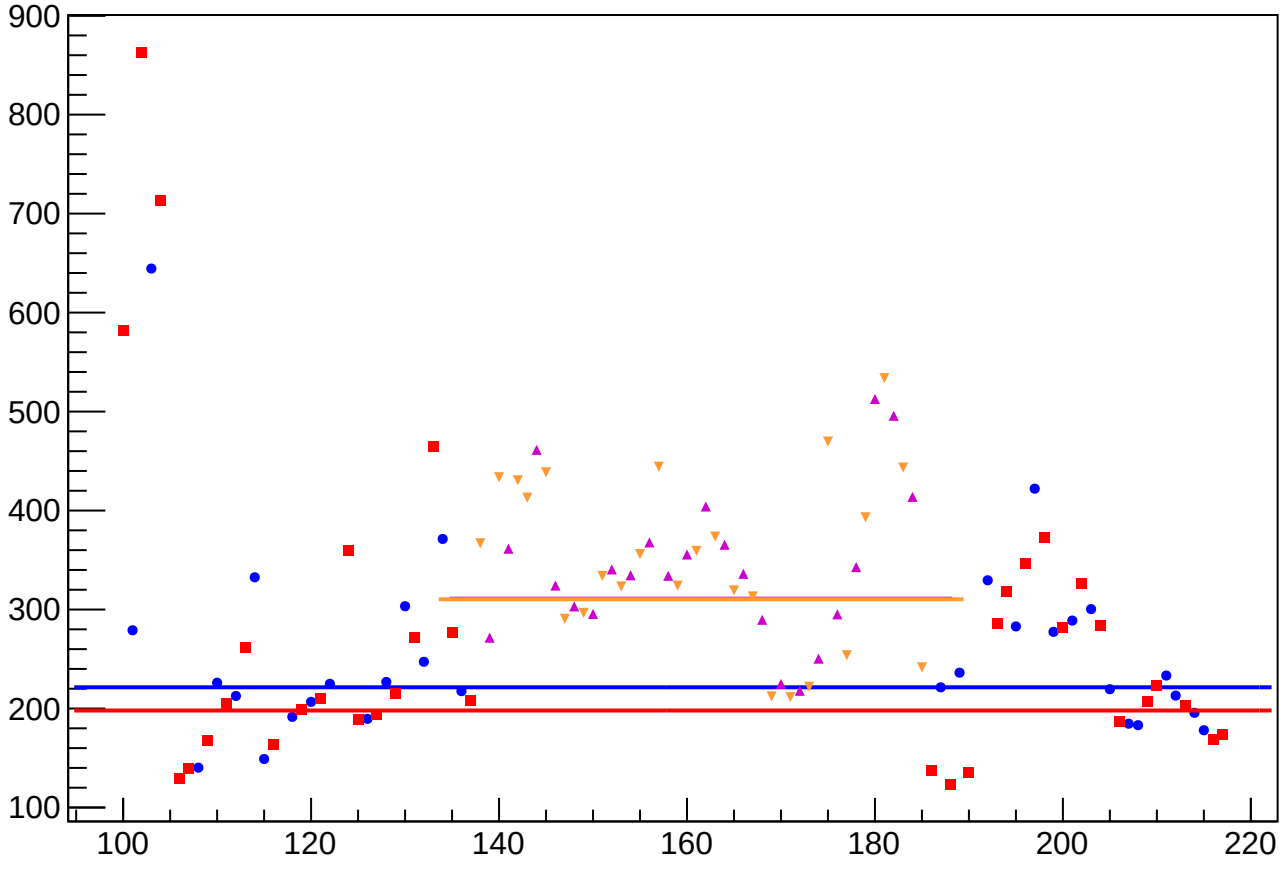
Right: 0.035+/-0.036 χ^2/NDF: 70.9/65

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.062+/-0.040 χ^2/NDF:64.8/59

All: 0.014+/-0.030 χ^2/NDF: 131.2/113

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: 198.005+/-0.034 χ^2/NDF: 4448682.0/34

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

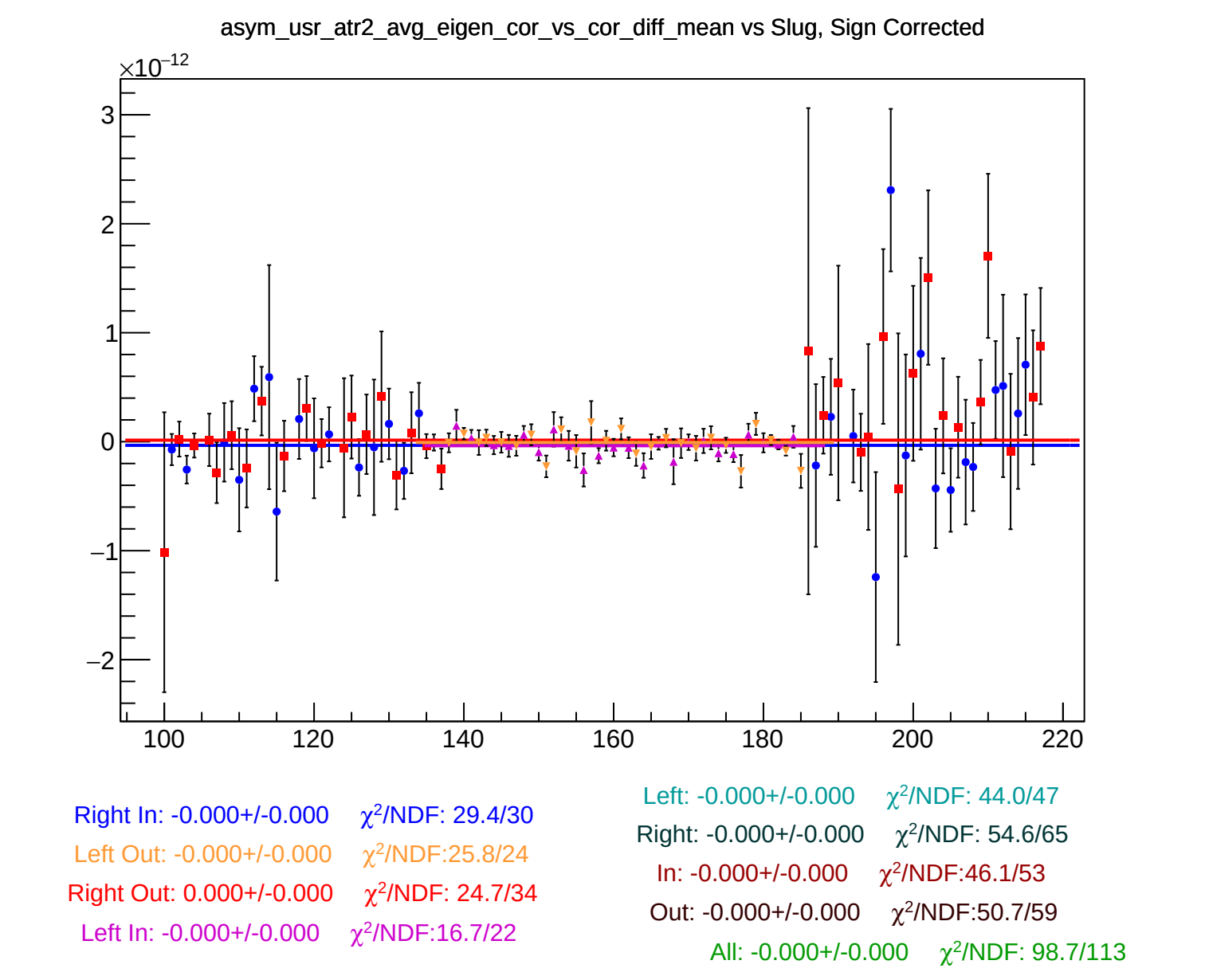
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

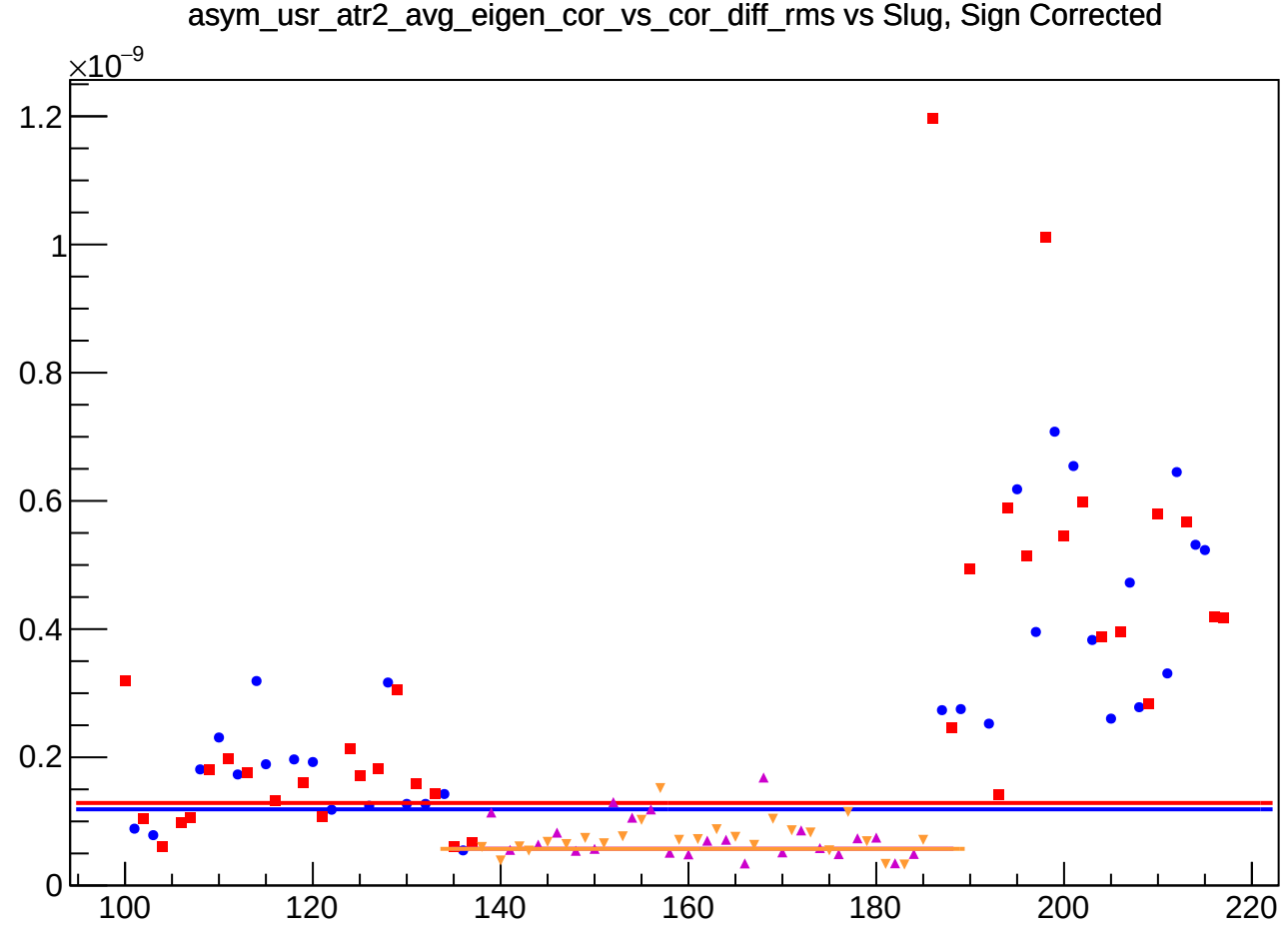
Right: 208.505+/-0.025 χ^2/NDF: 7016361.0/65

In: 250.825+/-0.031 χ^2/NDF:5806073.5/53

Out: 230.864+/-0.029 χ^2/NDF:10016024.9/59

All: 240.061+/-0.021 χ^2/NDF: 16047283.6/11


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: 24.7/34
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: 54.6/65
In: -0.000+/-0.000 χ²/NDF:46.1/53
Out: -0.000+/-0.000 χ²/NDF:50.7/59
All: -0.000+/-0.000 χ²/NDF: 98.7/113



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: 10302960.6/34

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

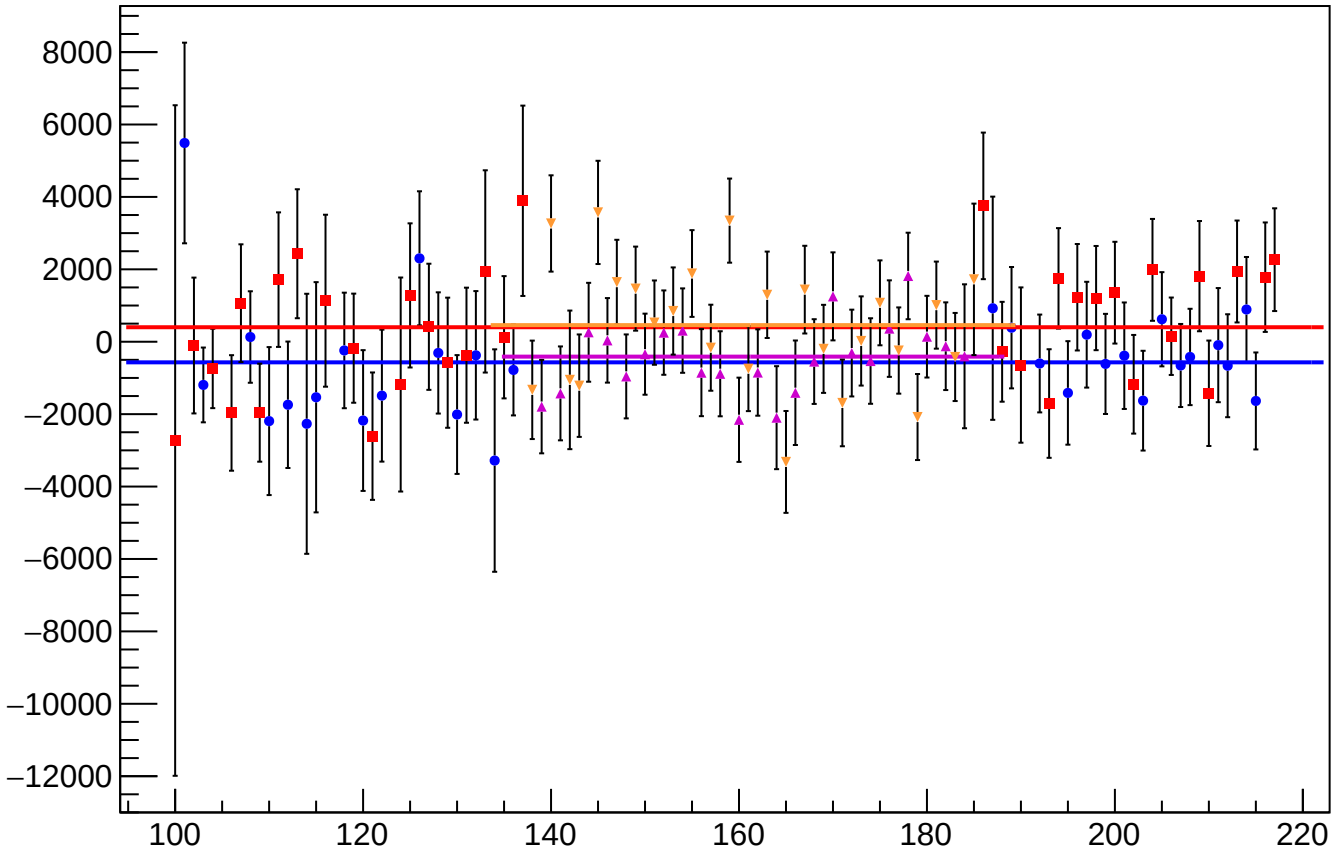
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 20179235.9/65

In: 0.000+/-0.000 χ^2/NDF:16108239.7/53

Out: 0.000+/-0.000 χ^2/NDF:17452050.7/59

All: 0.000+/-0.000 χ^2/NDF: 33560448.3/113



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: 400.473+/-271.452 χ^2/NDF: 30.8/34

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

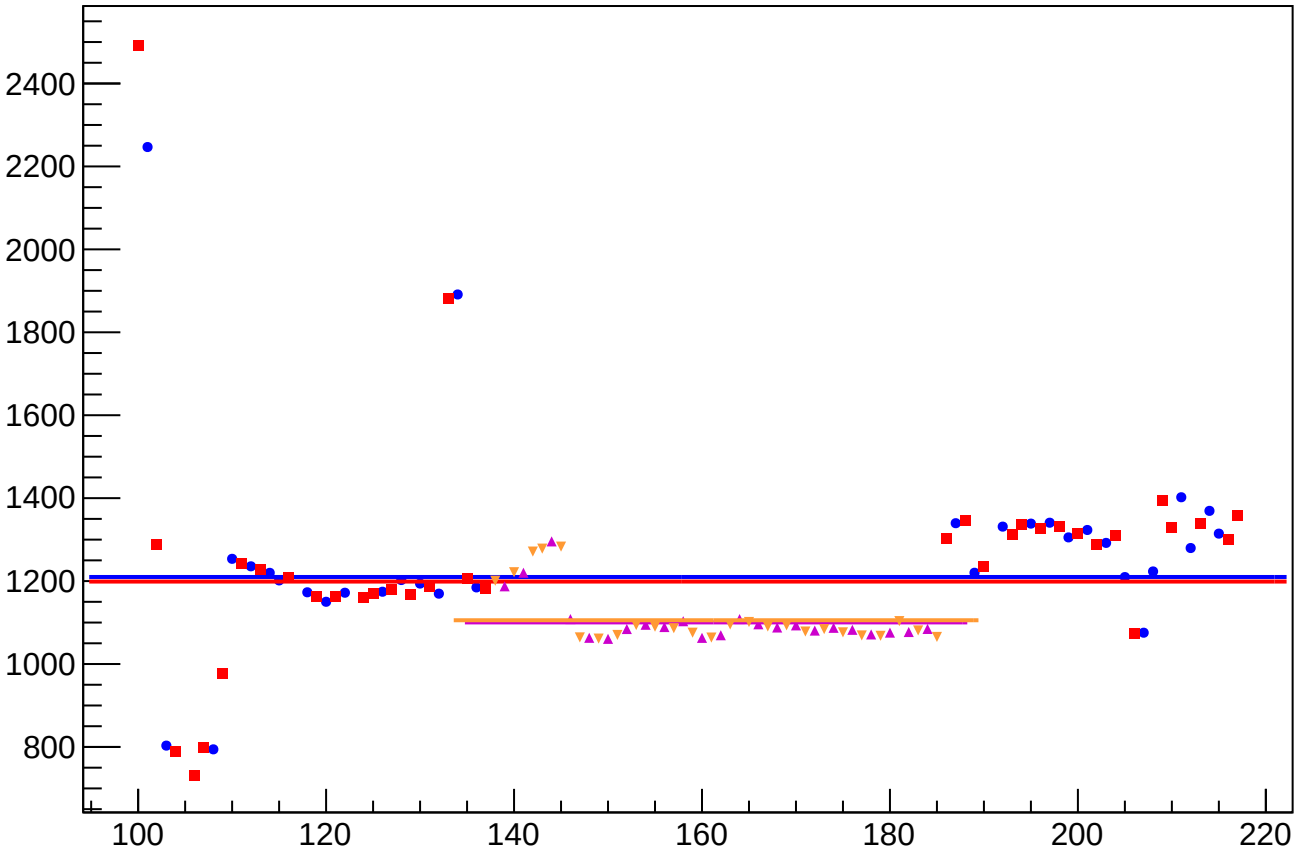
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -70.198+/-194.733 χ^2/NDF: 53.2/65

In: -483.694+/-189.265 χ^2/NDF:30.1/53

Out: 431.845+/-184.503 χ^2/NDF:72.9/59

All: -14.261+/-132.115 χ^2/NDF: 114.9/113



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: 1198.865+/-0.191 χ^2/NDF: 1092772.3/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

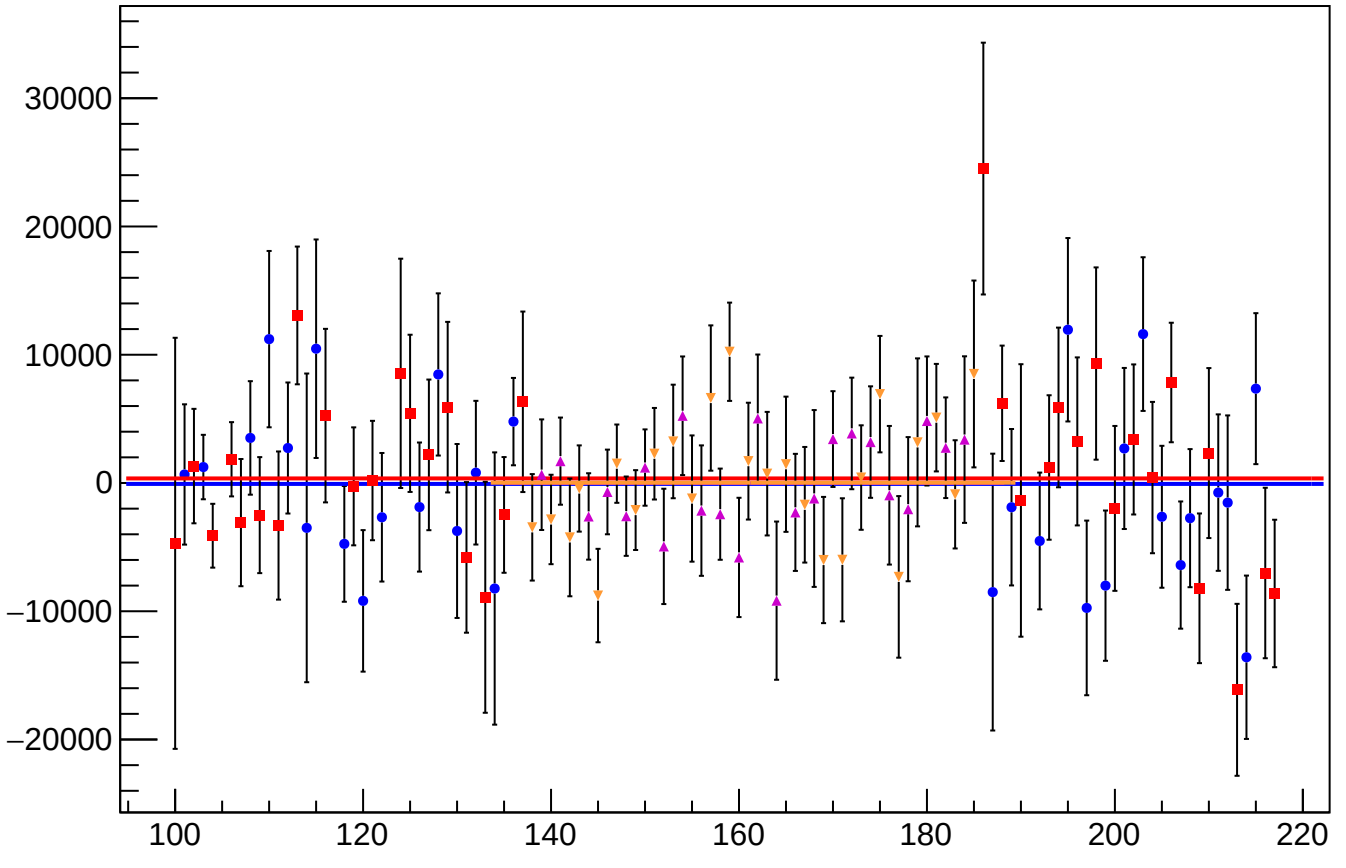
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1204.210+/-0.137 χ^2/NDF: 2186511.4/65

In: 1150.588+/-0.134 χ^2/NDF:1338782.8/53

Out: 1148.827+/-0.130 χ^2/NDF:1342380.9/59

All: 1149.684+/-0.093 χ^2/NDF: 2681252.5/11



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: 355.394+/-902.201 χ^2/NDF: 41.8/34

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

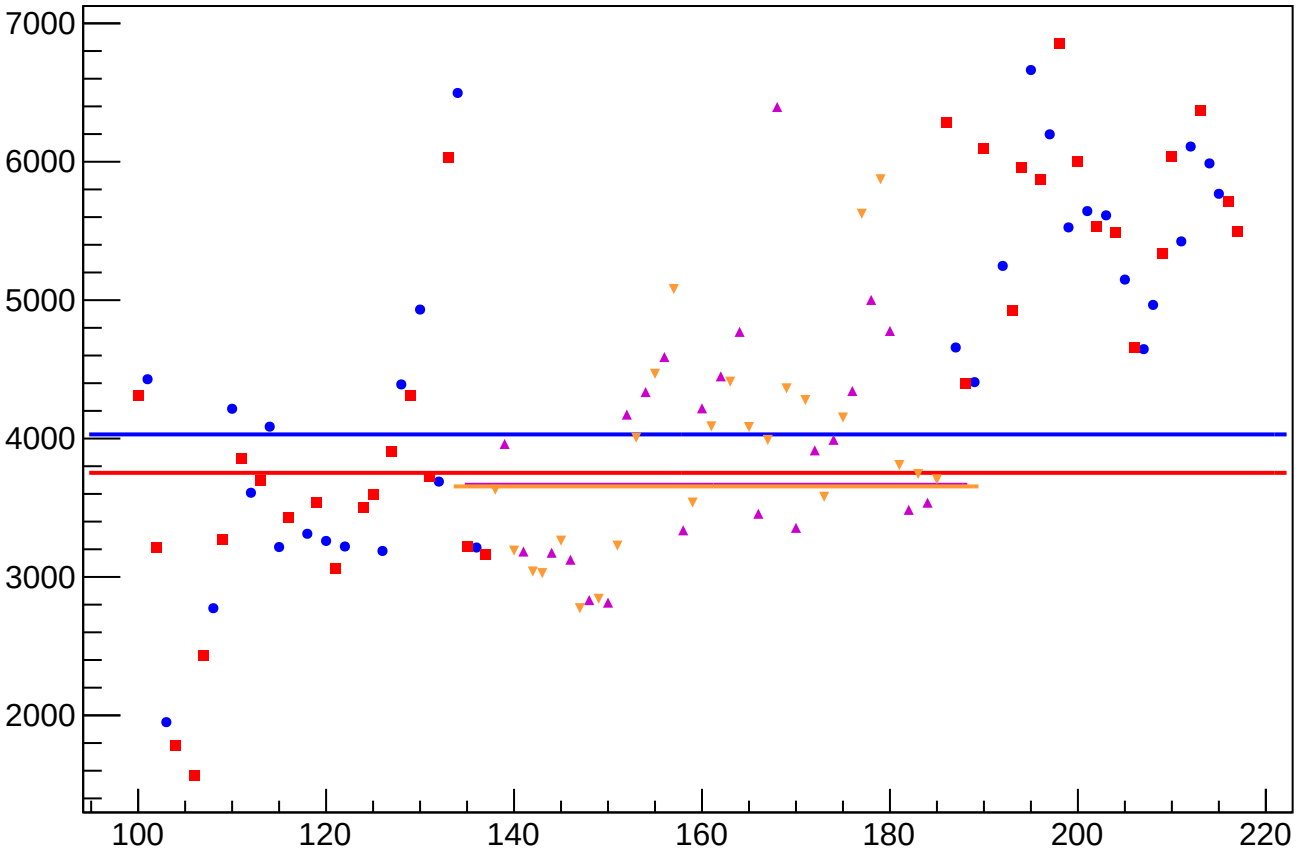
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 157.152+/-660.739 χ^2/NDF: 76.8/65

In: -28.897+/-649.932 χ^2/NDF:48.9/53

Out: 179.577+/-618.828 χ^2/NDF:70.4/59

All: 80.448+/-448.170 χ^2/NDF: 119.3/113



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: 3752.331+/-0.638 χ^2/NDF: 5722138.8/34

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

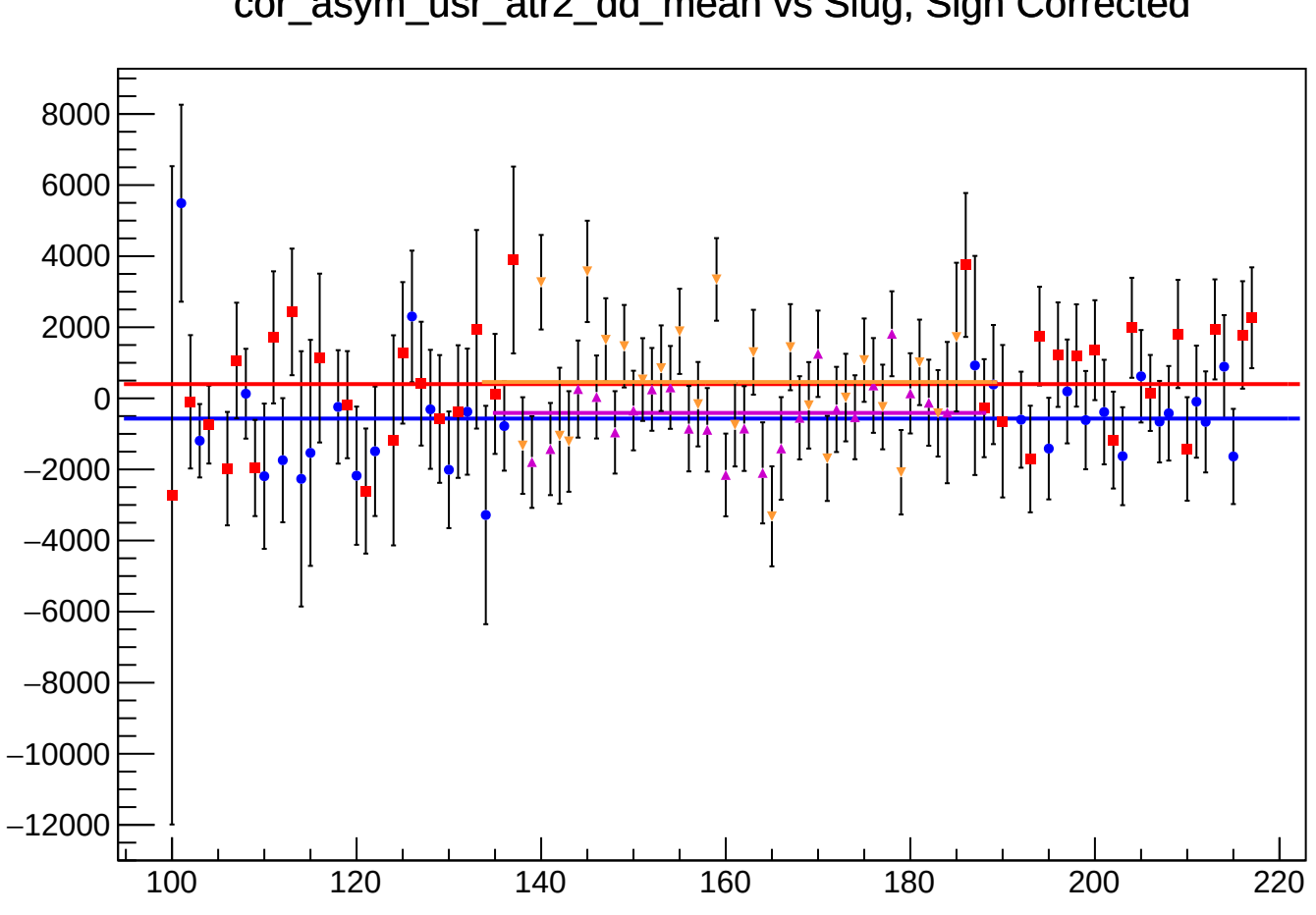
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3881.035+/-0.467 χ^2/NDF: 9677741.6/65

In: 3829.321+/-0.460 χ^2/NDF:5366536.3/53

Out: 3700.367+/-0.438 χ^2/NDF:7046430.3/59

All: 3761.684+/-0.317 χ^2/NDF: 12454263.2/1



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: 400.346+/-271.453 χ^2/NDF: 30.8/34

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

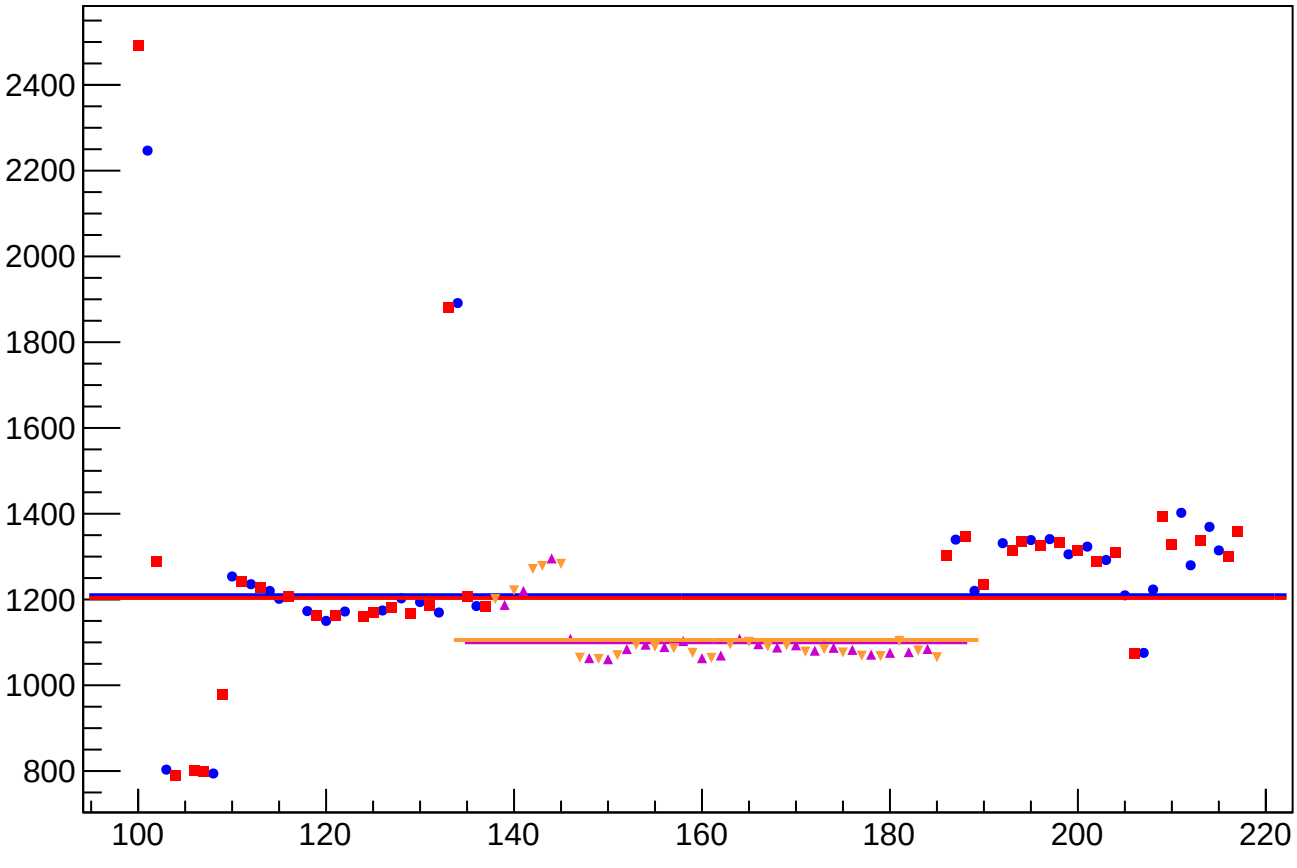
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -70.276+/-194.733 χ^2/NDF: 53.2/65

In: -483.650+/-189.265 χ^2/NDF:30.1/53

Out: 431.819+/-184.503 χ^2/NDF:72.9/59

All: -14.254+/-132.115 χ^2/NDF: 115.0/113



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: 1203.609+/-0.192 χ^2/NDF: 1008882.6/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

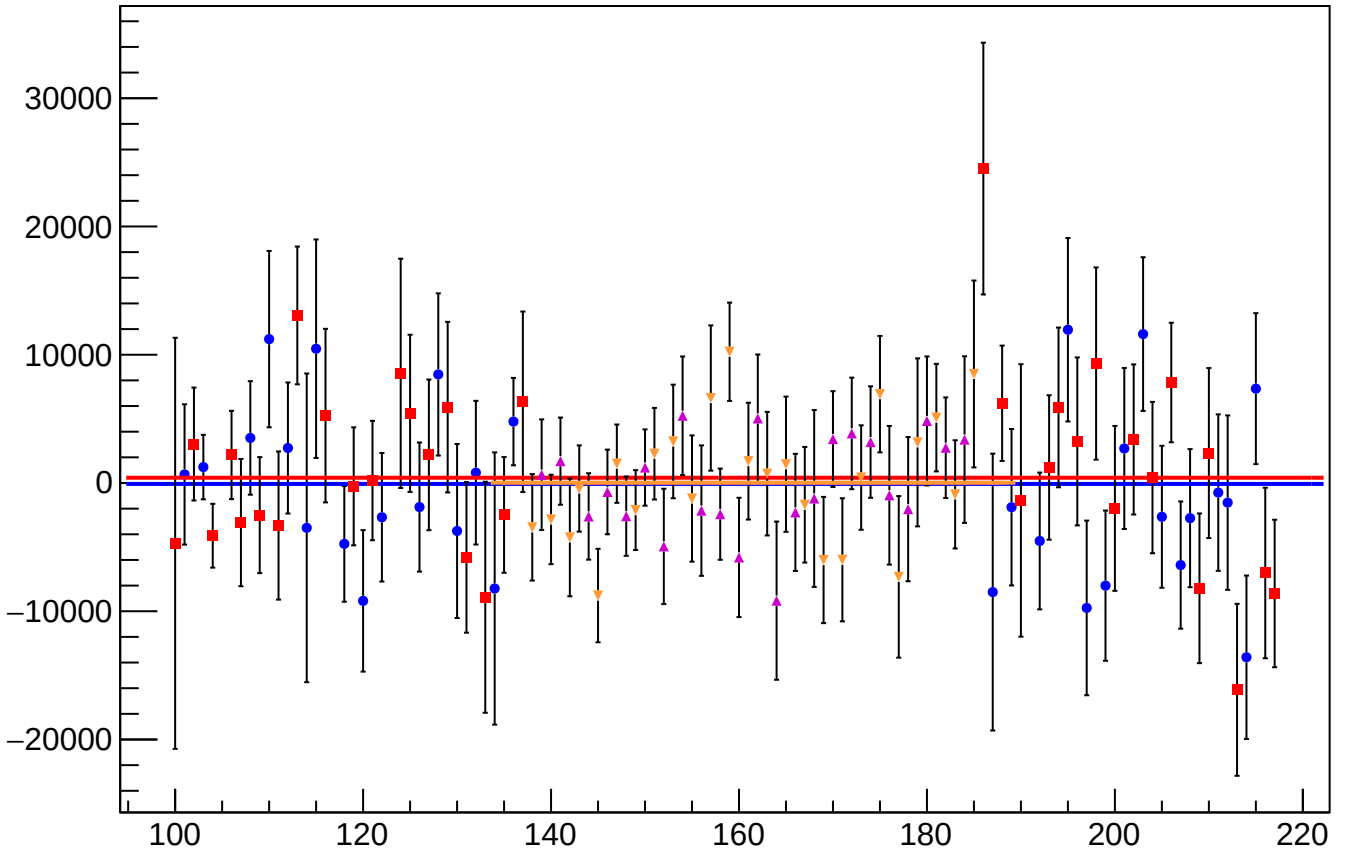
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1206.670+/-0.138 χ^2/NDF: 2101526.3/65

In: 1150.588+/-0.134 χ^2/NDF:1338778.8/53

Out: 1150.892+/-0.130 χ^2/NDF:1271380.7/59

All: 1150.744+/-0.093 χ^2/NDF: 2610162.2/11



Right In: -72.580+/-970.395 χ^2/NDF: 34.8/30

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 410.693+/-914.810 χ^2/NDF: 42.2/34

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

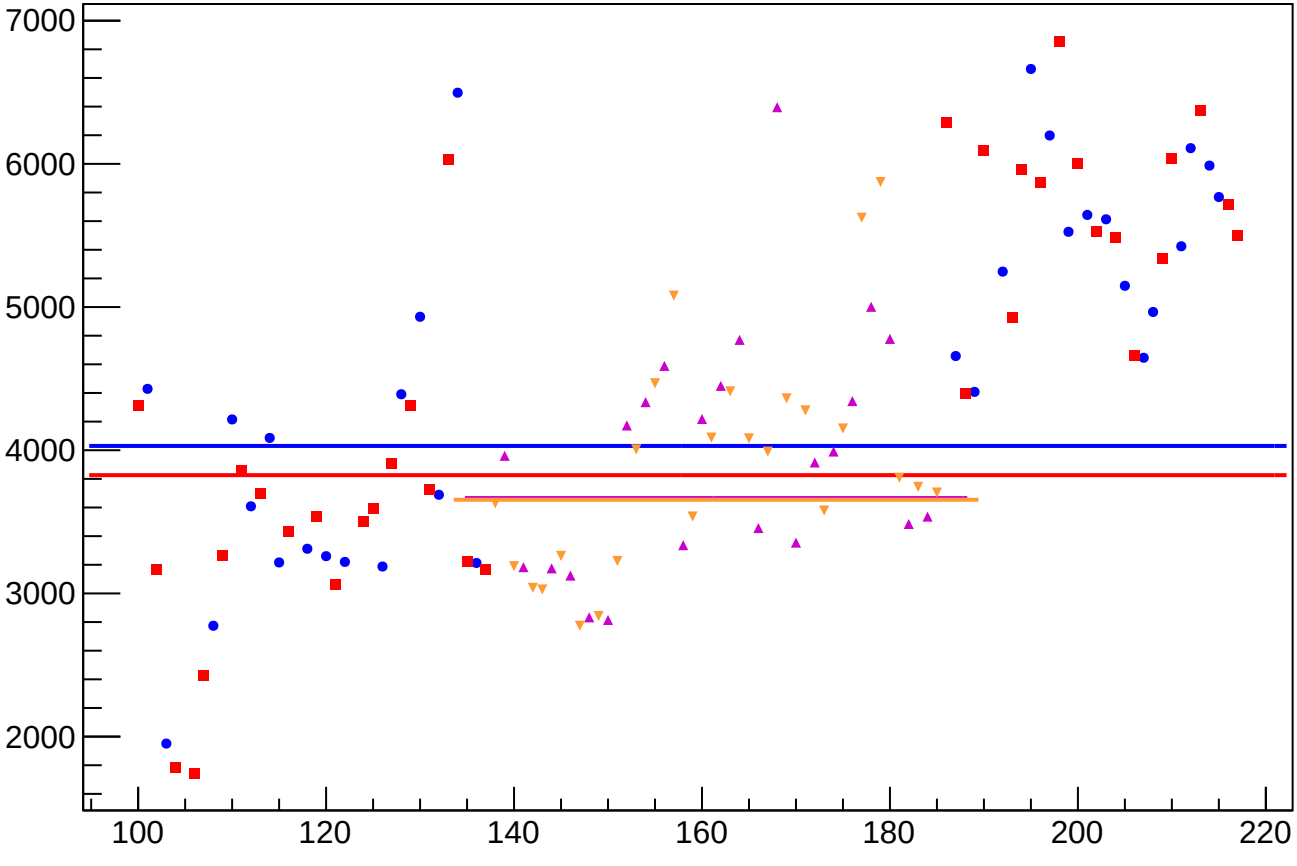
Right: 183.293+/-665.652 χ^2/NDF: 77.1/65

In: -29.047+/-649.939 χ^2/NDF:48.9/53

Out: 202.915+/-622.852 χ^2/NDF:70.7/59

All: 91.868+/-449.694 χ^2/NDF: 119.6/113

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: 3826.045+/-0.647 χ^2/NDF: 5255652.0/34

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

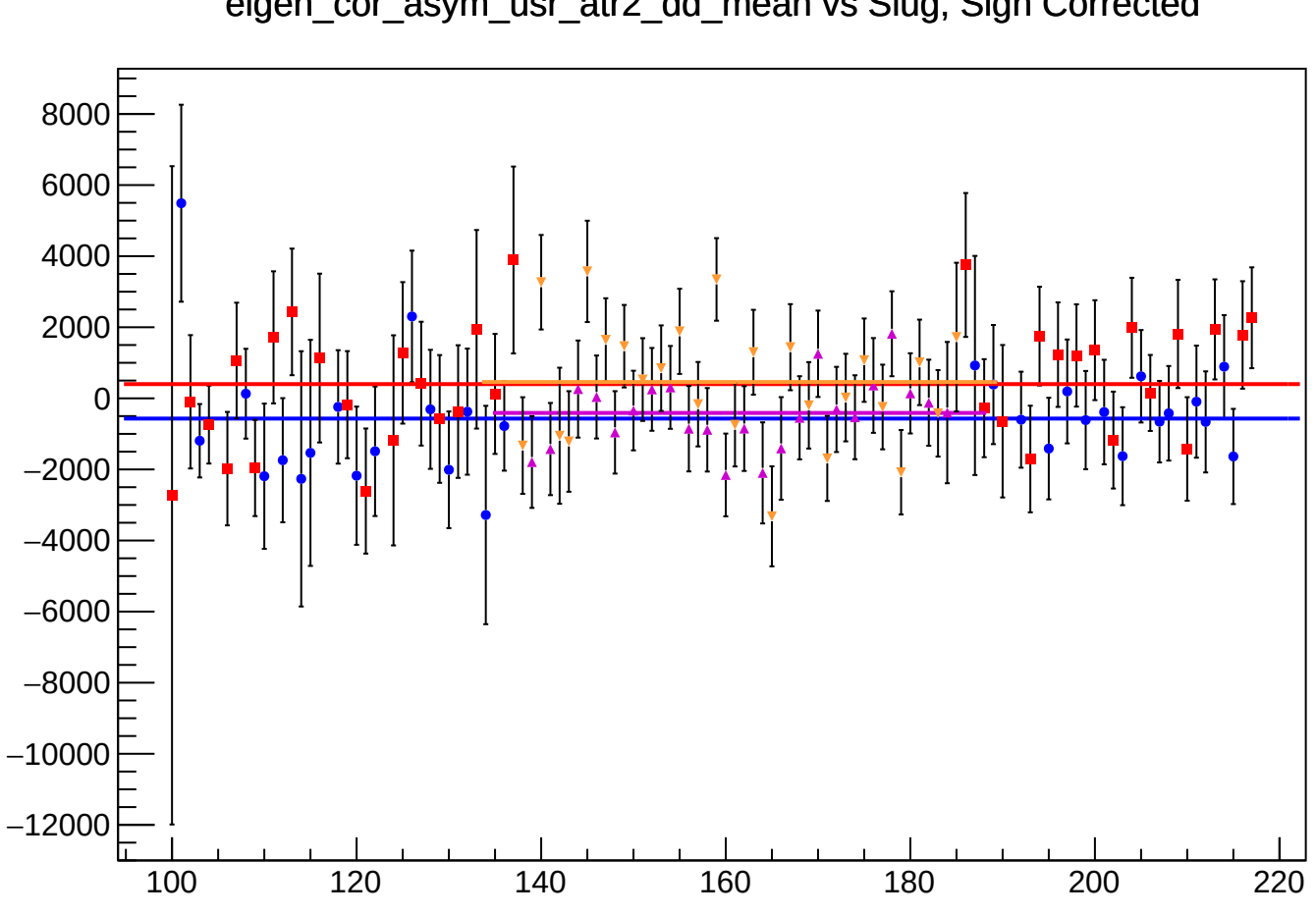
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3922.051+/-0.471 χ^2/NDF: 9169344.3/65

In: 3829.385+/-0.460 χ^2/NDF:5365731.9/53

Out: 3733.858+/-0.440 χ^2/NDF:6605282.0/59

All: 3779.589+/-0.318 χ^2/NDF: 11993535.3/1



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: 400.346+/-271.453 χ^2/NDF: 30.8/34

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

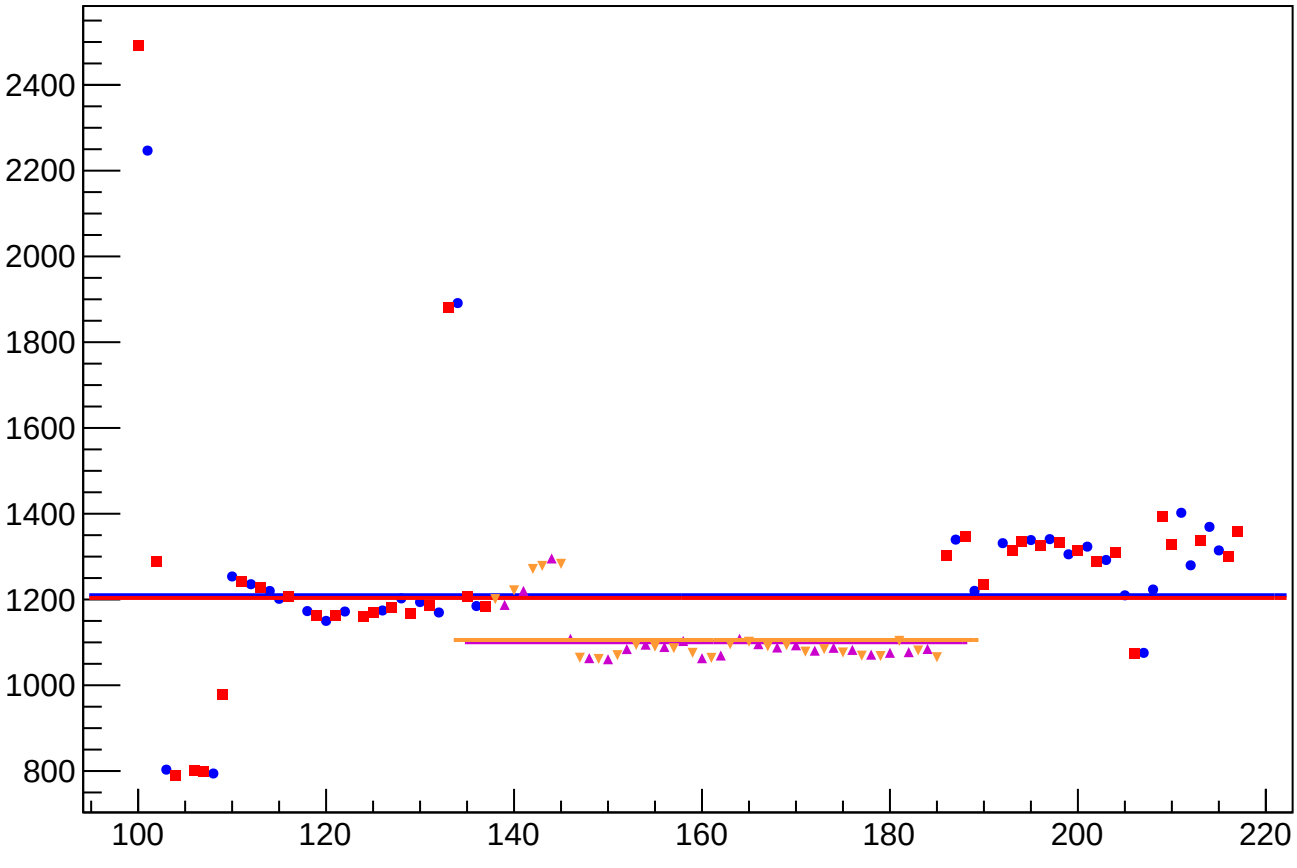
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -70.276+/-194.733 χ^2/NDF: 53.2/65

In: -483.650+/-189.265 χ^2/NDF:30.1/53

Out: 431.819+/-184.503 χ^2/NDF:72.9/59

All: -14.254+/-132.115 χ^2/NDF: 115.0/113



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: 1203.609+/-0.192 χ^2/NDF: 1008882.6/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

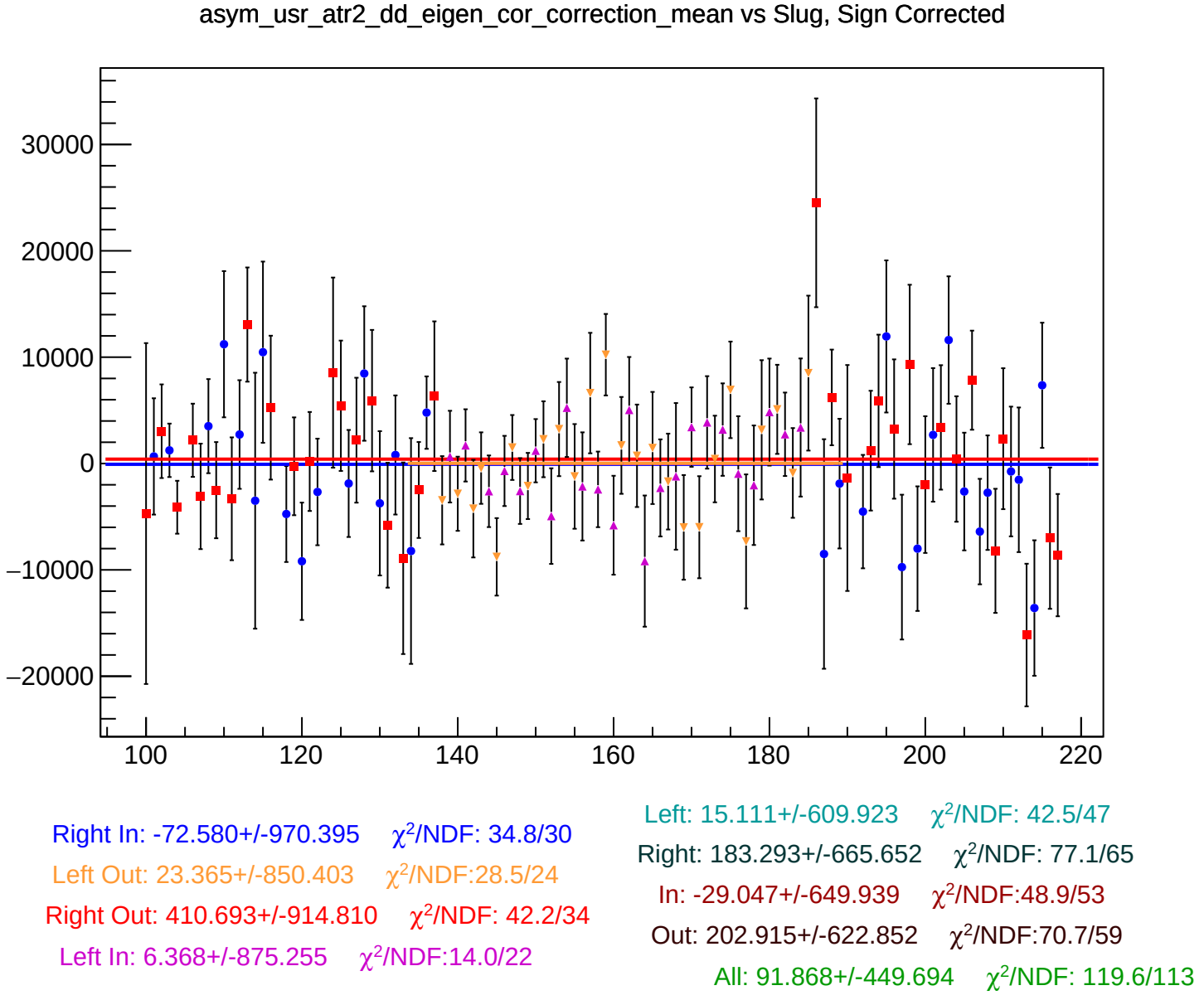
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1206.670+/-0.138 χ^2/NDF: 2101526.3/65

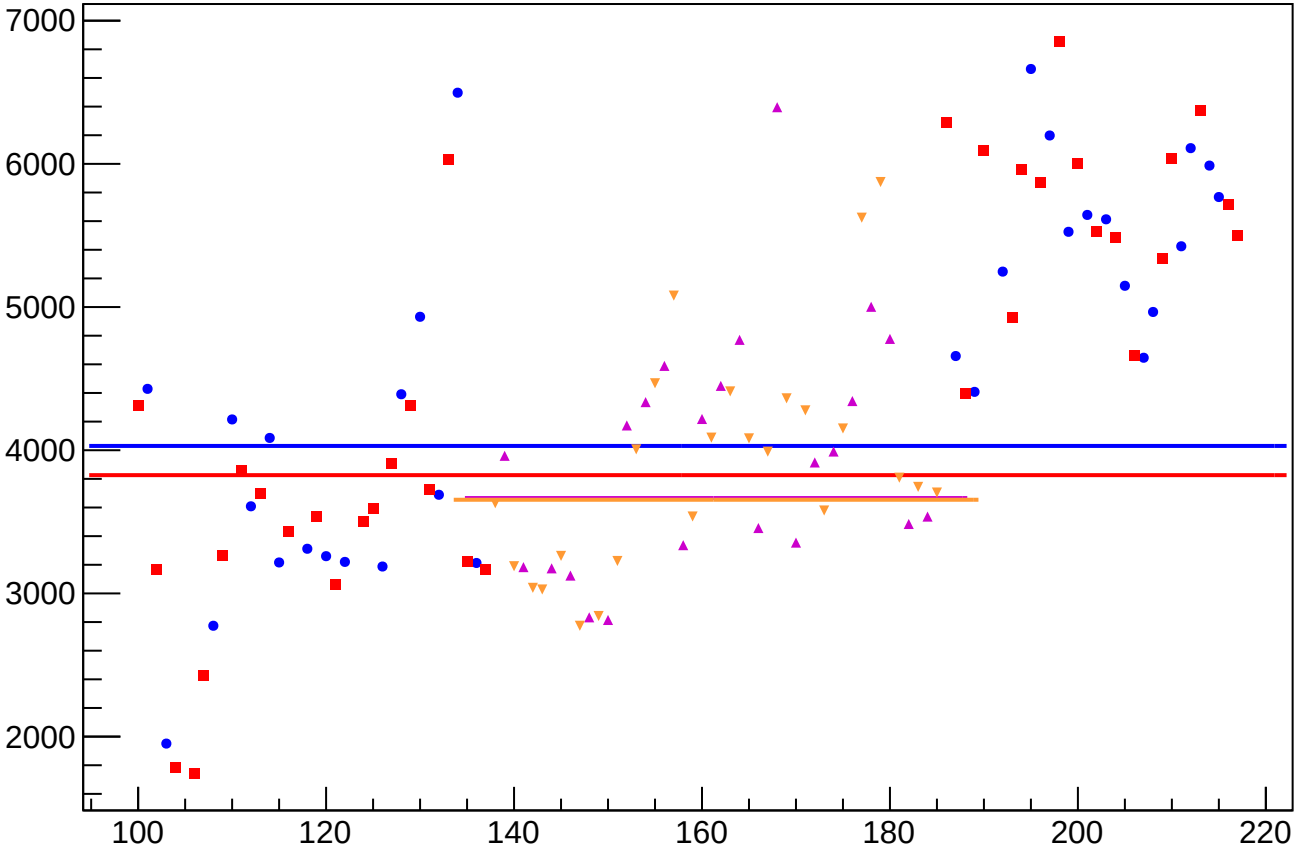
In: 1150.588+/-0.134 χ^2/NDF:1338778.8/53

Out: 1150.892+/-0.130 χ^2/NDF:1271380.7/59

All: 1150.744+/-0.093 χ^2/NDF: 2610162.2/11


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: 410.693+/-914.810 χ²/NDF: 42.2/34
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 183.293+/-665.652 χ²/NDF: 77.1/65
In: -29.047+/-649.939 χ²/NDF:48.9/53
Out: 202.915+/-622.852 χ²/NDF:70.7/59
All: 91.868+/-449.694 χ²/NDF: 119.6/113

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: 3826.045+/-0.647 χ^2/NDF: 5255652.0/34

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

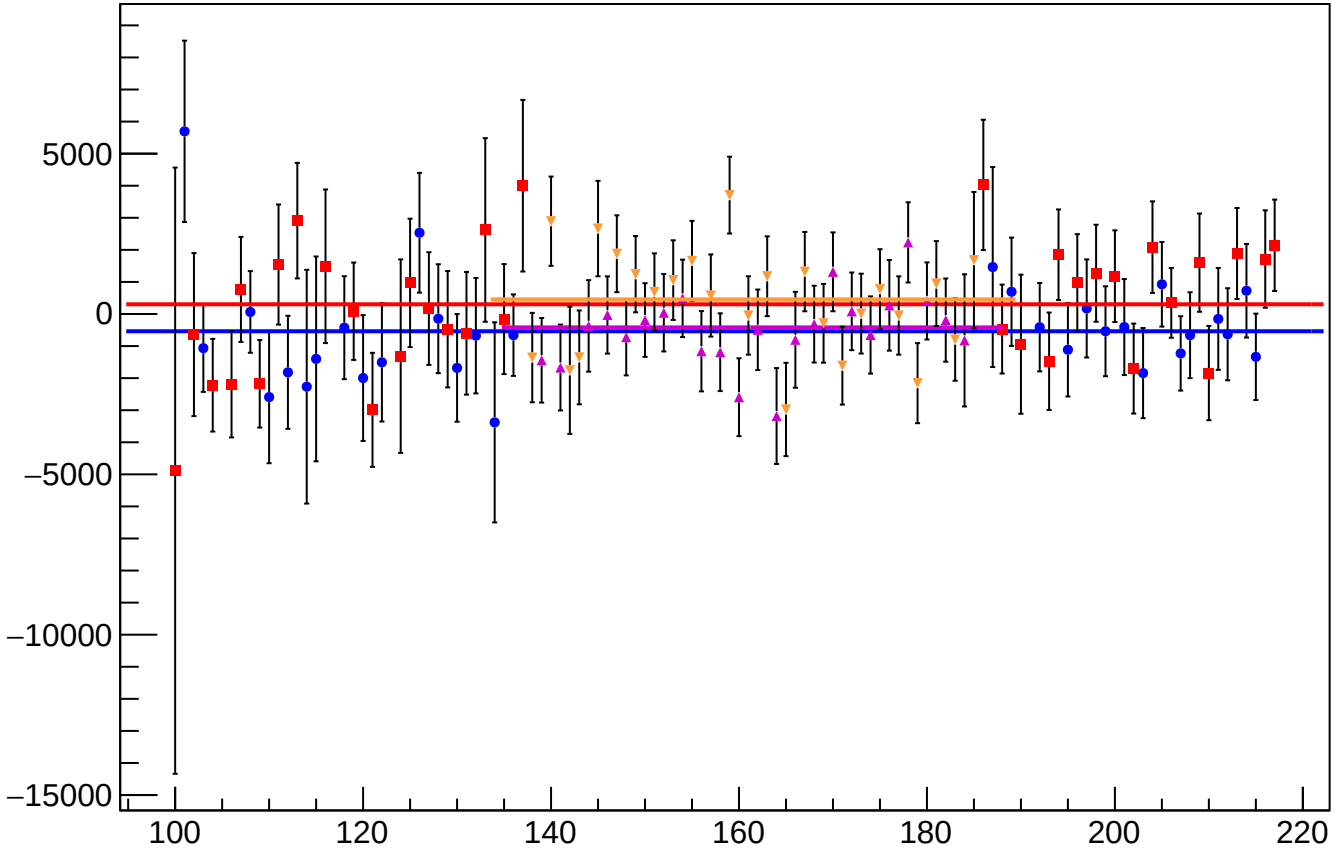
Right: 3922.051+/-0.471 χ^2/NDF: 9169344.3/65

In: 3829.385+/-0.460 χ^2/NDF:5365731.9/53

Out: 3733.858+/-0.440 χ^2/NDF:6605282.0/59

All: 3779.589+/-0.318 χ^2/NDF: 11993535.3/1

dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



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: 303.390+/-280.237 χ^2/NDF: 36.6/34

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

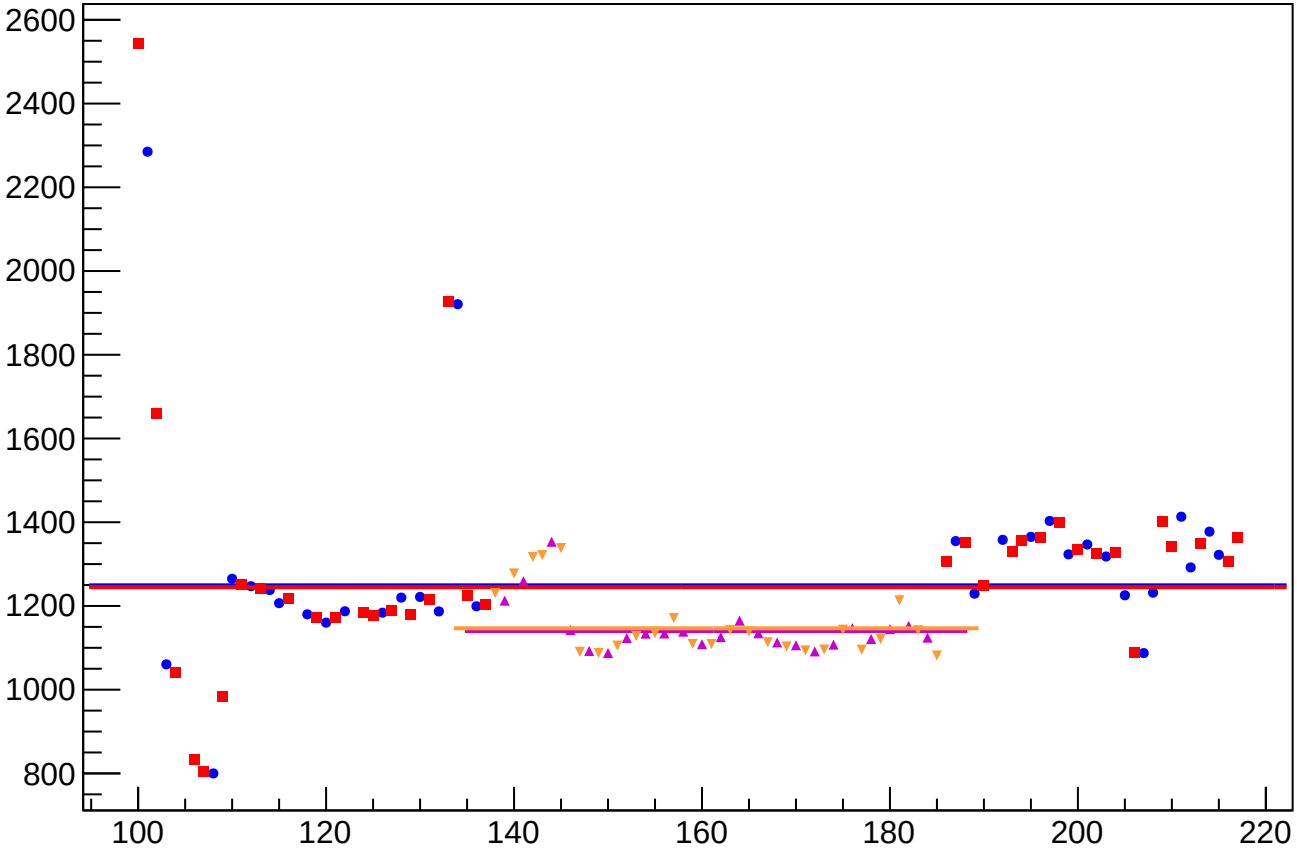
Right: -106.510+/-200.711 χ^2/NDF: 57.9/65

In: -473.137+/-195.512 χ^2/NDF:34.3/53

Out: 384.956+/-190.996 χ^2/NDF:72.9/59

All: -34.067+/-136.623 χ^2/NDF: 117.1/113

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: 1244.729+/-0.198 χ^2/NDF: 790757.6/34

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

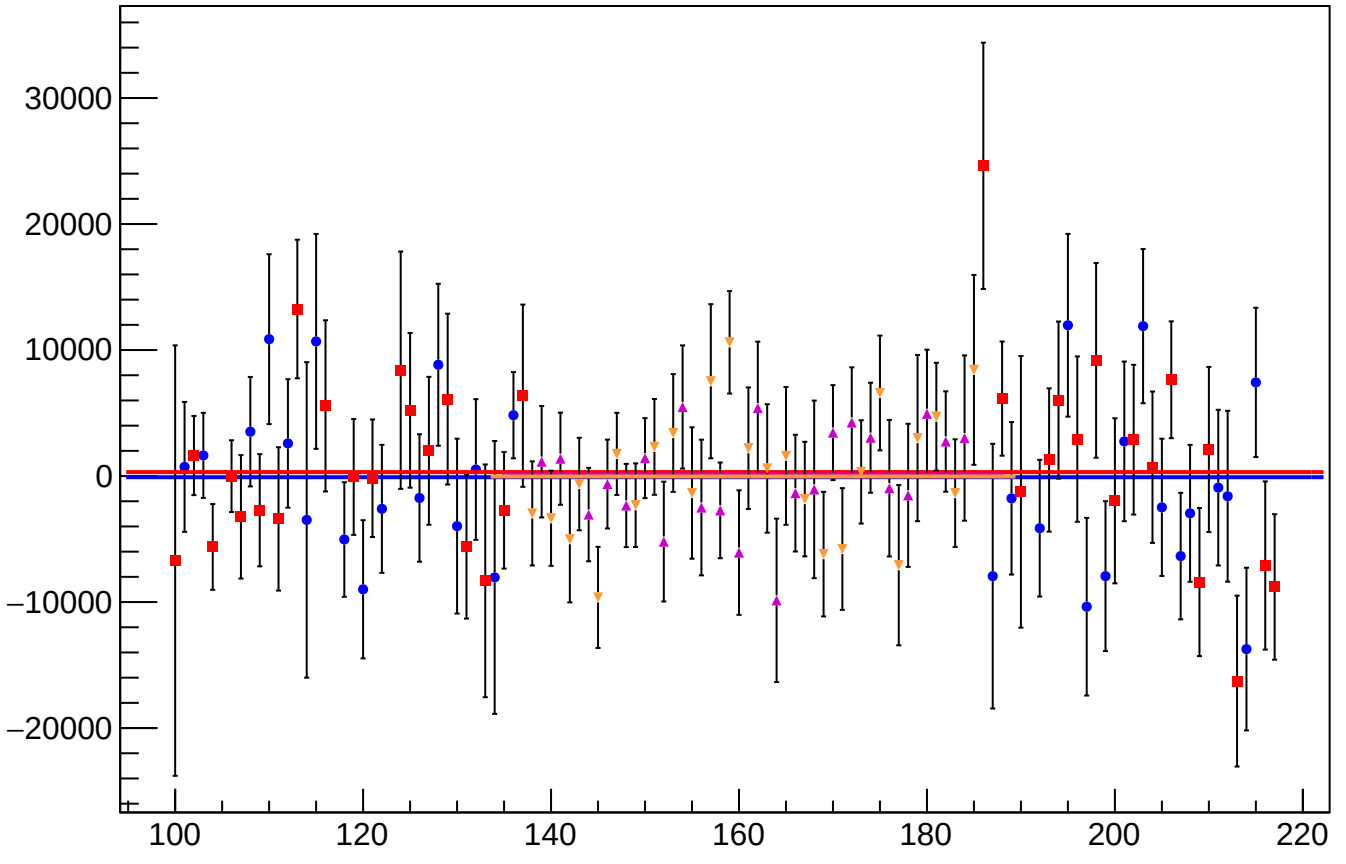
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1246.937+/-0.142 χ^2/NDF: 1610346.4/65

In: 1190.584+/-0.138 χ^2/NDF:1058861.5/53

Out: 1192.199+/-0.135 χ^2/NDF:1063080.7/59

All: 1191.410+/-0.097 χ^2/NDF: 2122012.0/11



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: 315.536+/-913.322 χ^2/NDF: 41.2/34

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

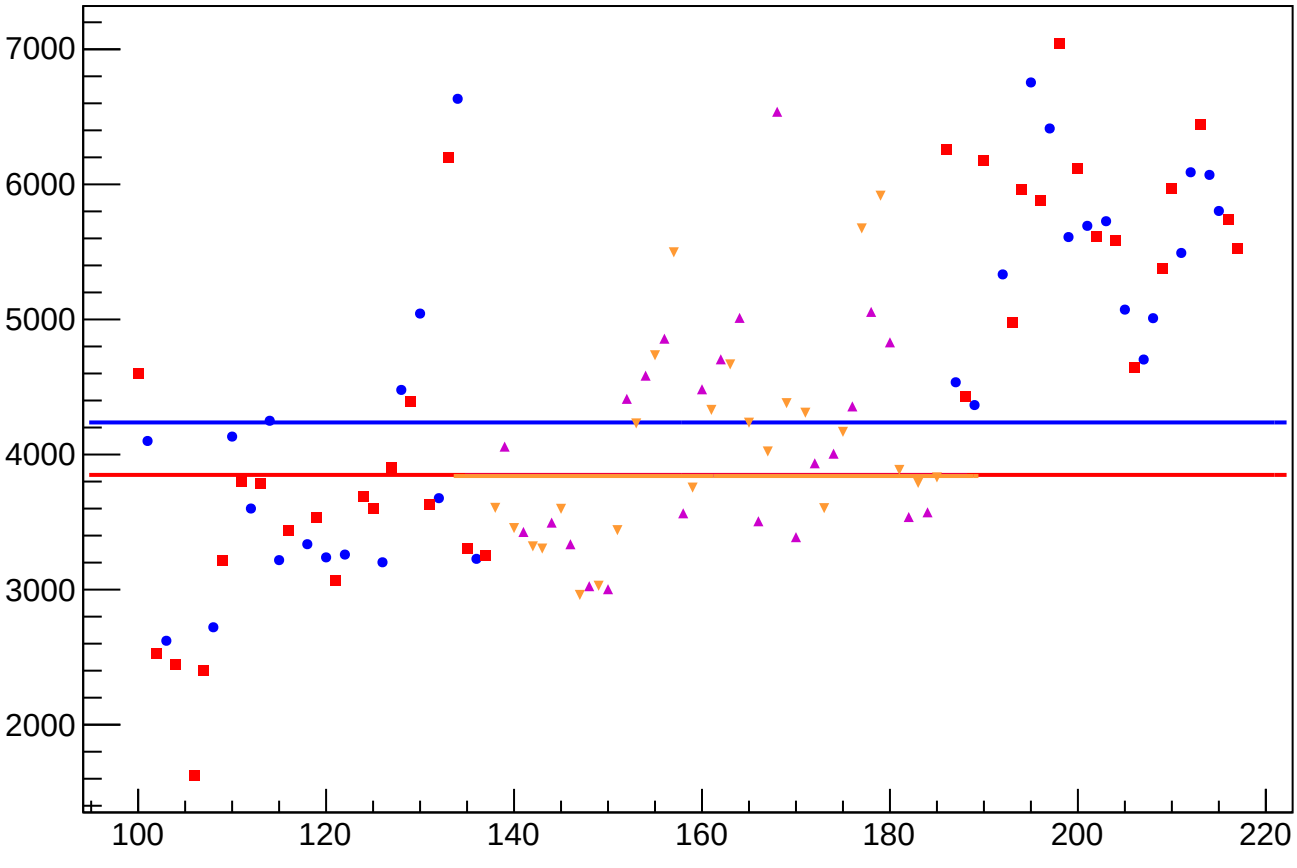
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 131.597+/-676.437 χ^2/NDF: 76.0/65

In: 24.639+/-677.407 χ^2/NDF:48.4/53

Out: 136.748+/-637.914 χ^2/NDF:69.1/59

All: 84.056+/-464.407 χ^2/NDF: 117.5/113



Right In: 4237.566+/-0.712 χ^2/NDF: 2872629.1/30

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3849.214+/-0.646 χ^2/NDF: 5098570.4/34

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

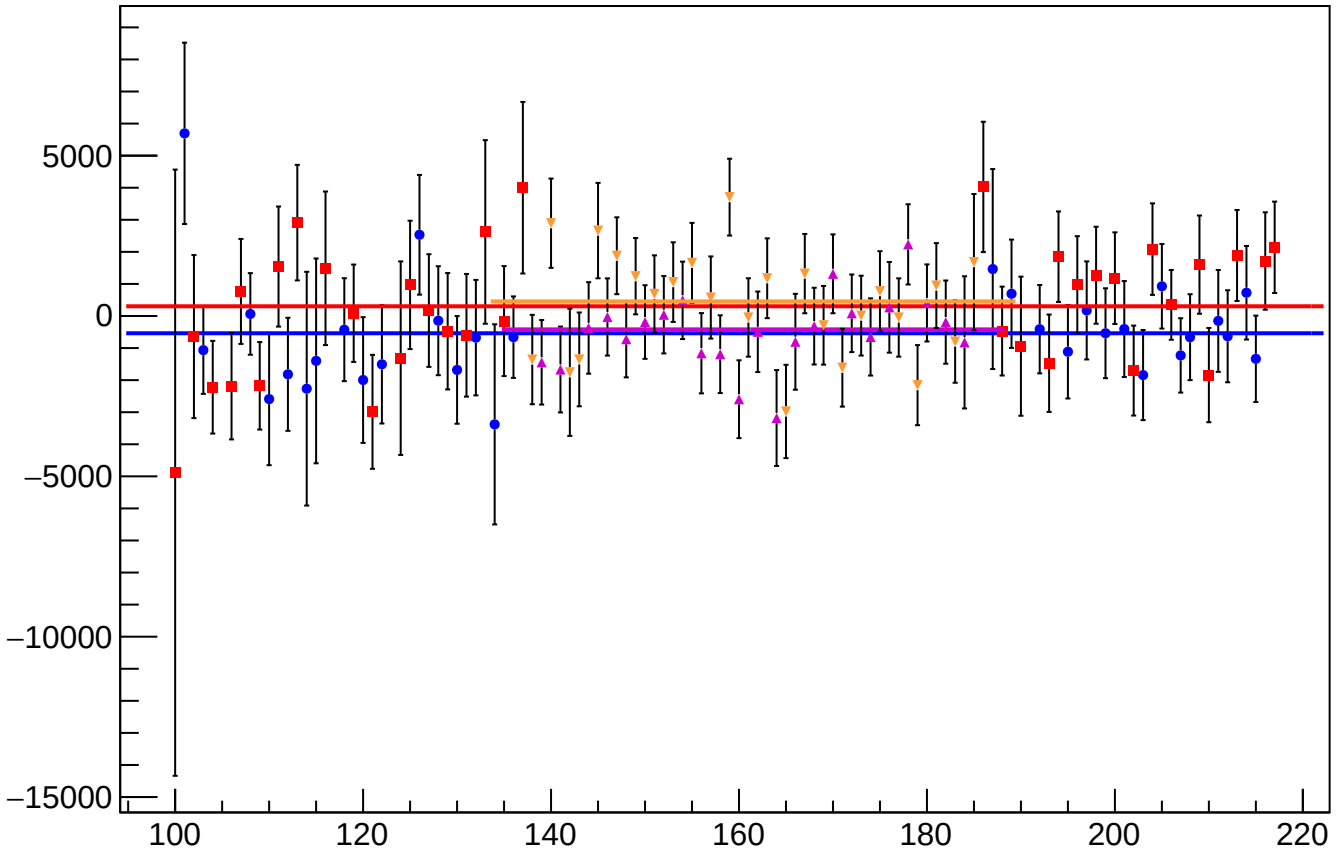
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 4024.541+/-0.478 χ^2/NDF: 8134450.5/65

In: 4021.823+/-0.479 χ^2/NDF:4236526.5/53

Out: 3844.920+/-0.451 χ^2/NDF:6217323.3/59

All: 3928.065+/-0.328 χ^2/NDF: 10526139.2/1



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: 303.388+/-280.237 χ^2/NDF: 36.6/34

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

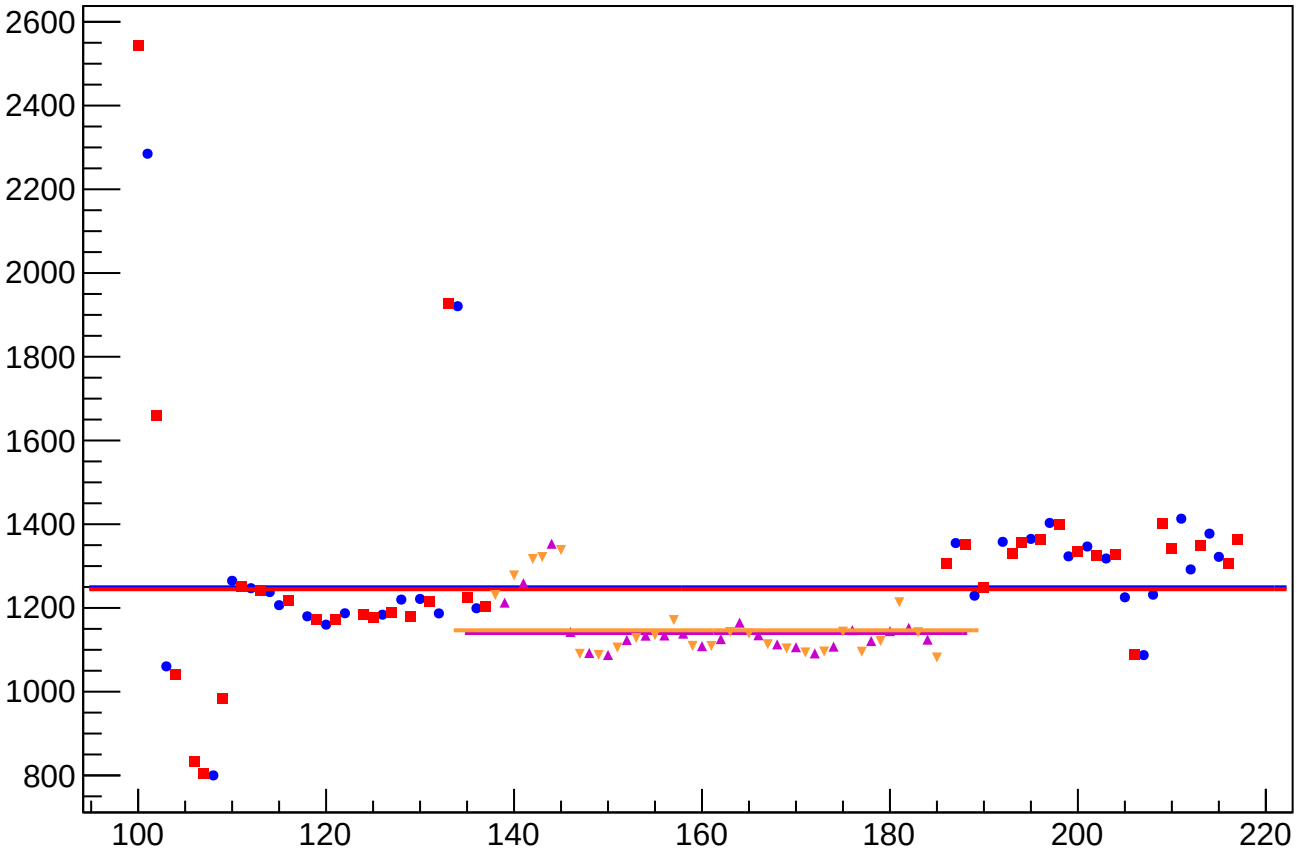
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -106.509+/-200.711 χ^2/NDF: 57.9/65

In: -473.134+/-195.512 χ^2/NDF:34.3/53

Out: 384.957+/-190.996 χ^2/NDF:72.9/59

All: -34.065+/-136.623 χ^2/NDF: 117.1/113



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: 1244.729+/-0.198 χ^2/NDF: 790757.0/34

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

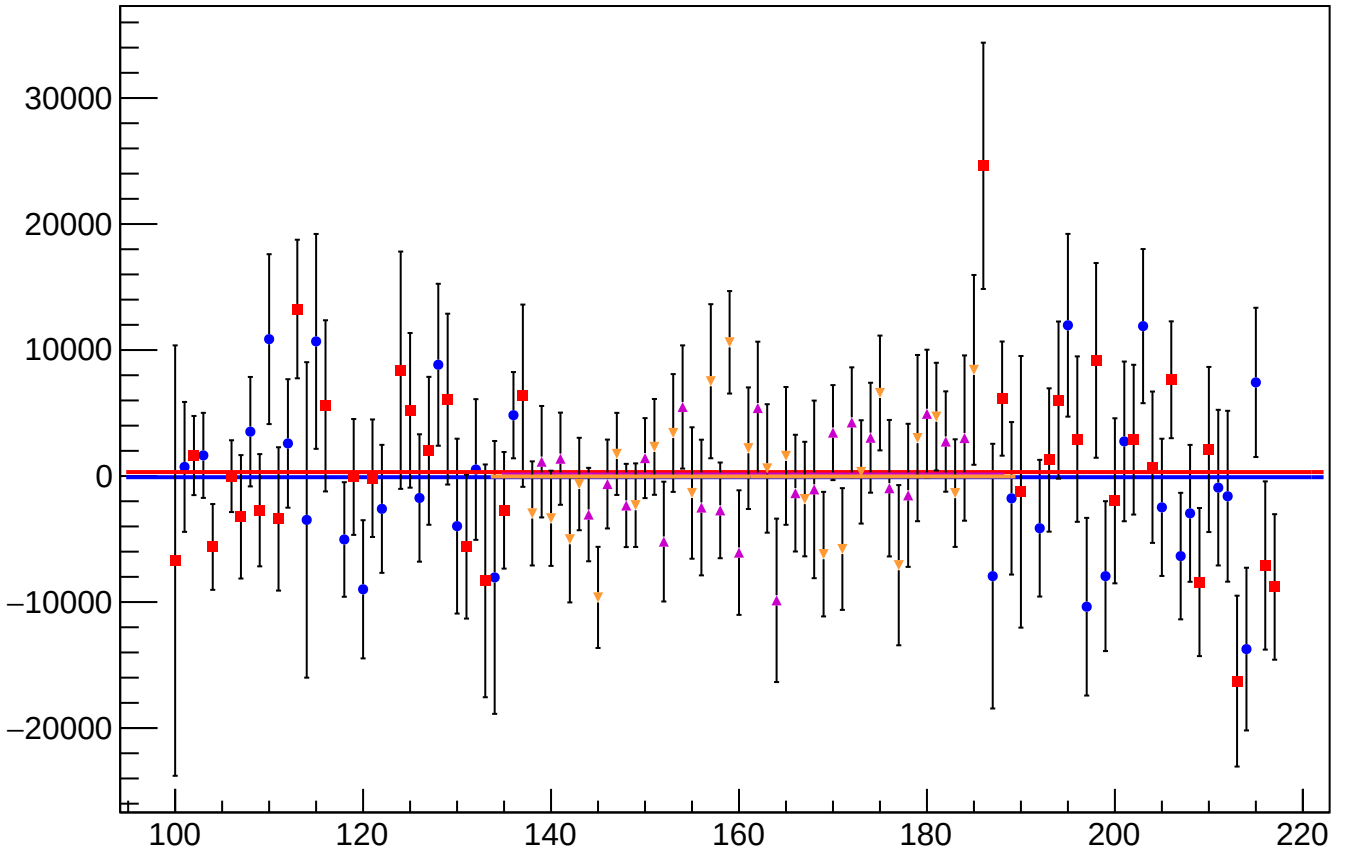
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1246.937+/-0.142 χ^2/NDF: 1610346.7/65

In: 1190.584+/-0.138 χ^2/NDF:1058859.9/53

Out: 1192.199+/-0.135 χ^2/NDF:1063078.8/59

All: 1191.411+/-0.097 χ^2/NDF: 2122008.5/11



Right In: -91.902+/-1006.737 χ^2/NDF: 34.6/30

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 315.531+/-913.322 χ^2/NDF: 41.2/34

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

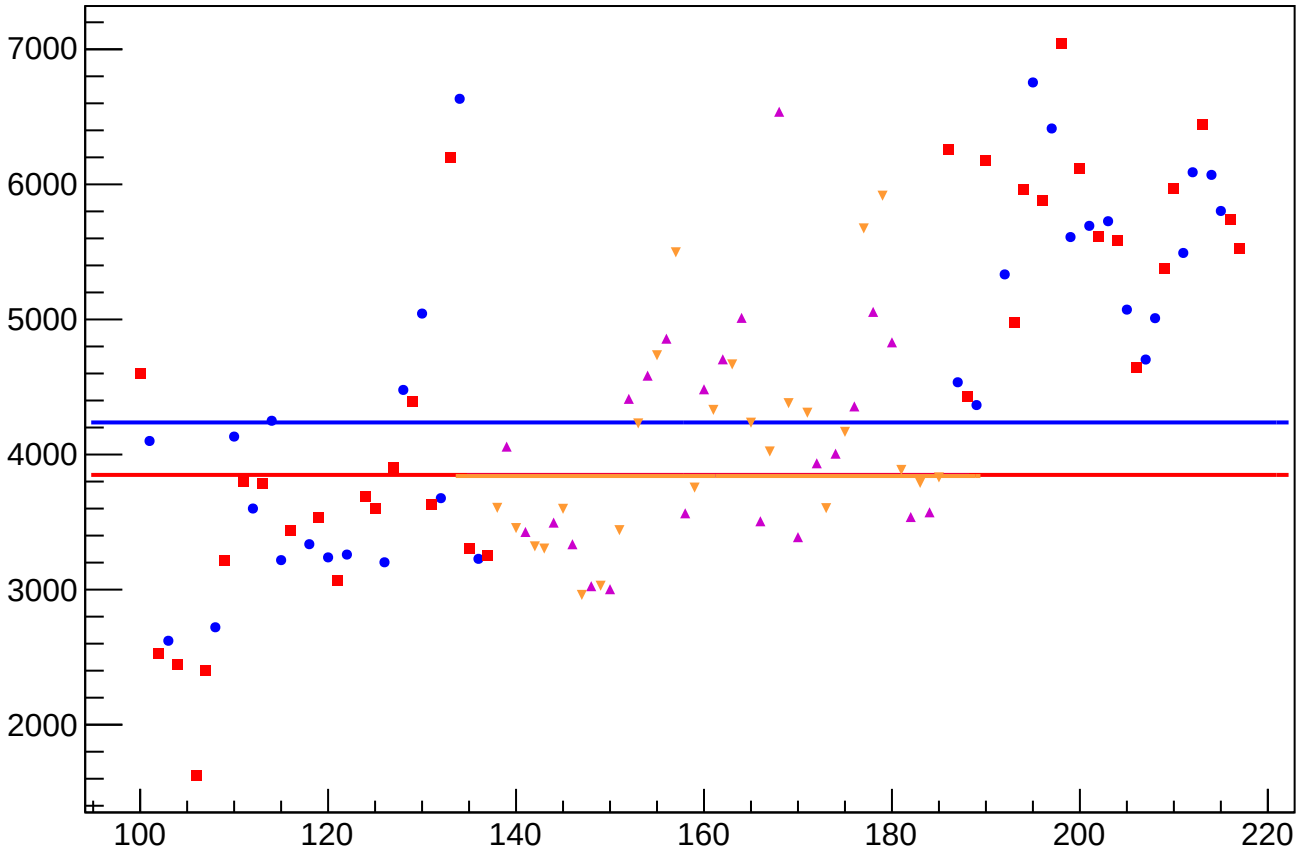
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 131.590+/-676.436 χ^2/NDF: 76.0/65

In: 24.636+/-677.407 χ^2/NDF:48.4/53

Out: 136.746+/-637.914 χ^2/NDF:69.1/59

All: 84.054+/-464.408 χ^2/NDF: 117.5/113



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: 3849.210+/-0.646 χ^2/NDF: 5098601.5/34

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

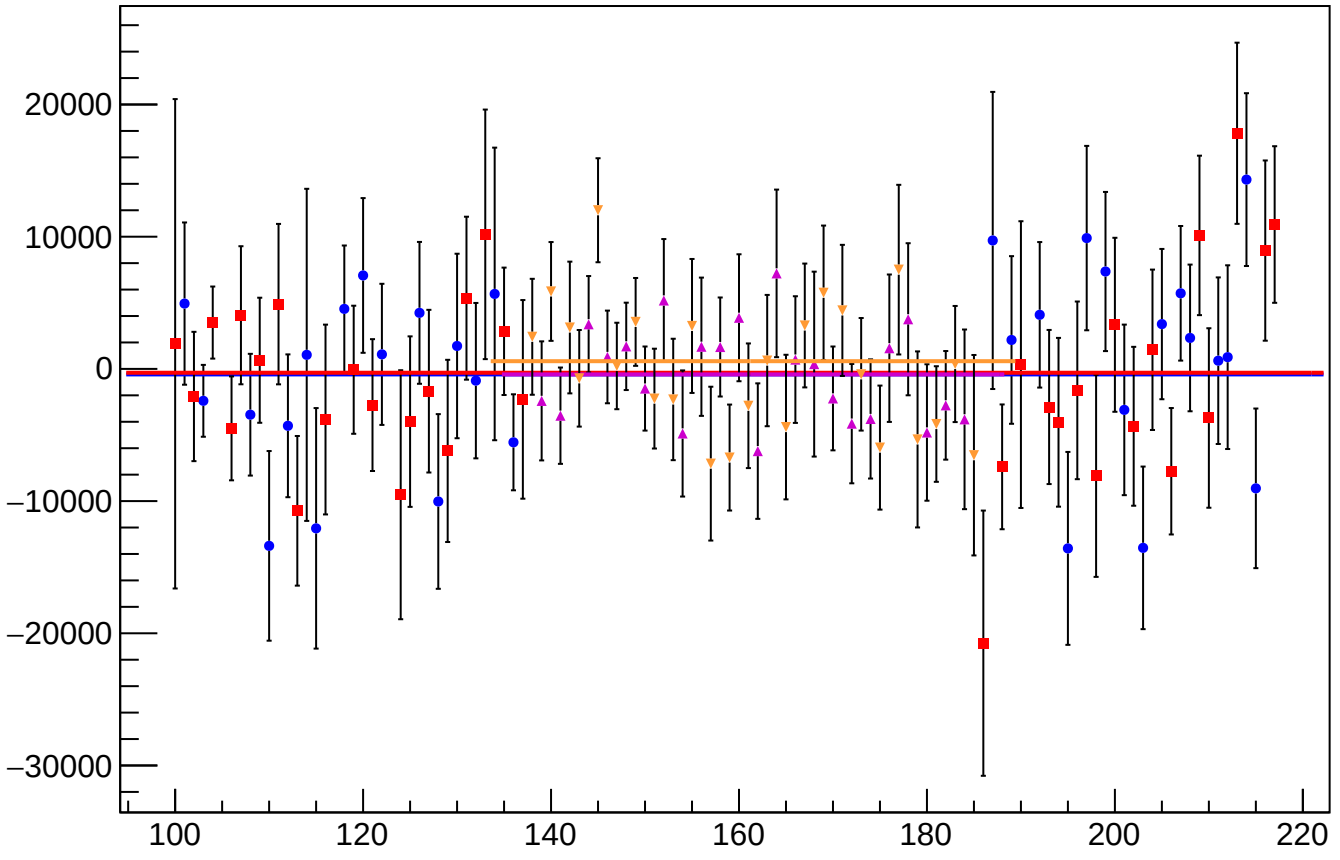
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 4024.538+/-0.478 χ^2/NDF: 8134499.3/65

In: 4021.825+/-0.479 χ^2/NDF:4236540.1/53

Out: 3844.921+/-0.451 χ^2/NDF:6217355.9/59

All: 3928.066+/-0.328 χ^2/NDF: 10526186.5/1



Right In: -417.997+/-1019.512 χ^2/NDF: 38.1/30

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -291.071+/-968.611 χ^2/NDF: 40.2/34

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

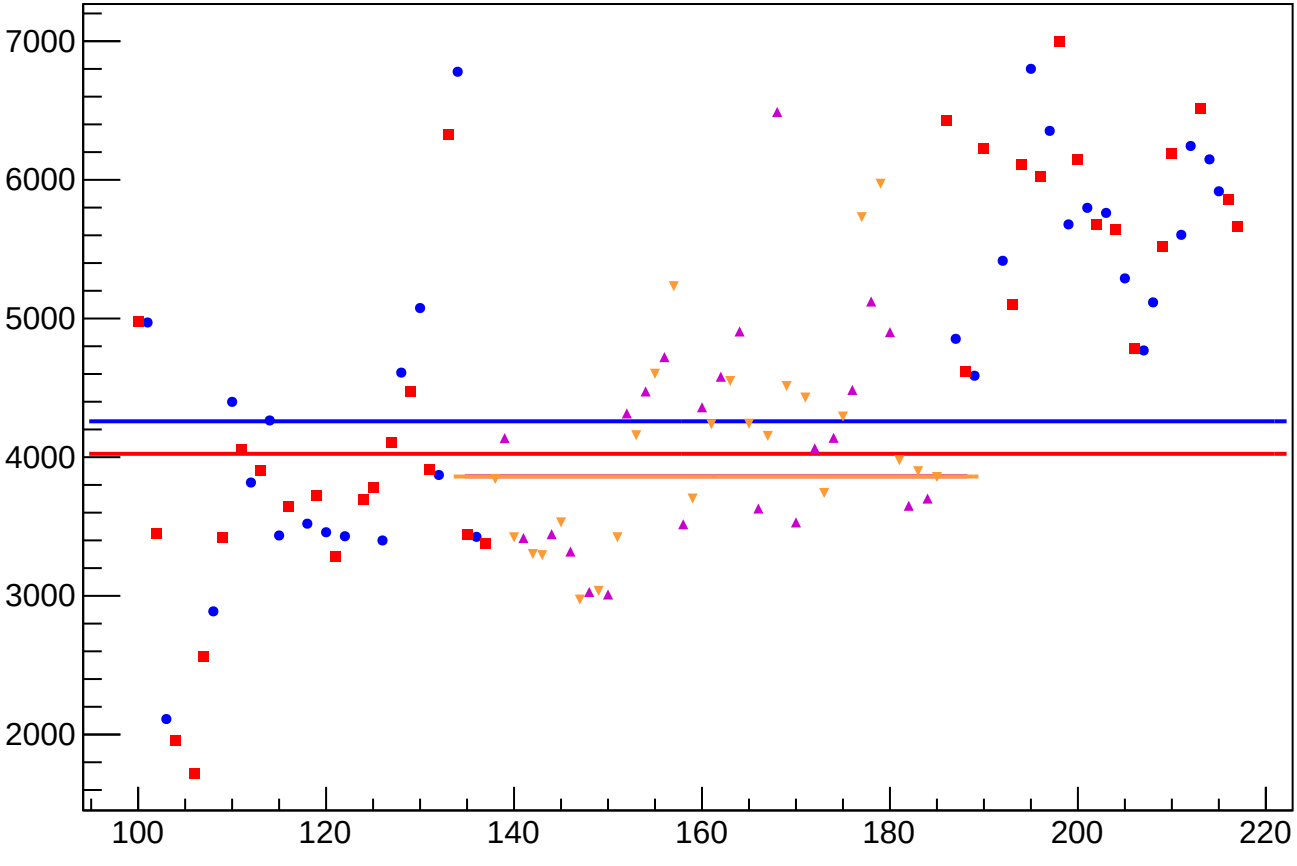
Right: -351.287+/-702.217 χ^2/NDF: 78.3/65

In: -417.338+/-682.610 χ^2/NDF:50.5/53

Out: 180.634+/-657.306 χ^2/NDF:68.1/59

All: -107.063+/-473.479 χ^2/NDF: 119.0/113

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: 4024.395+/-0.678 χ^2/NDF: 4971913.3/34

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

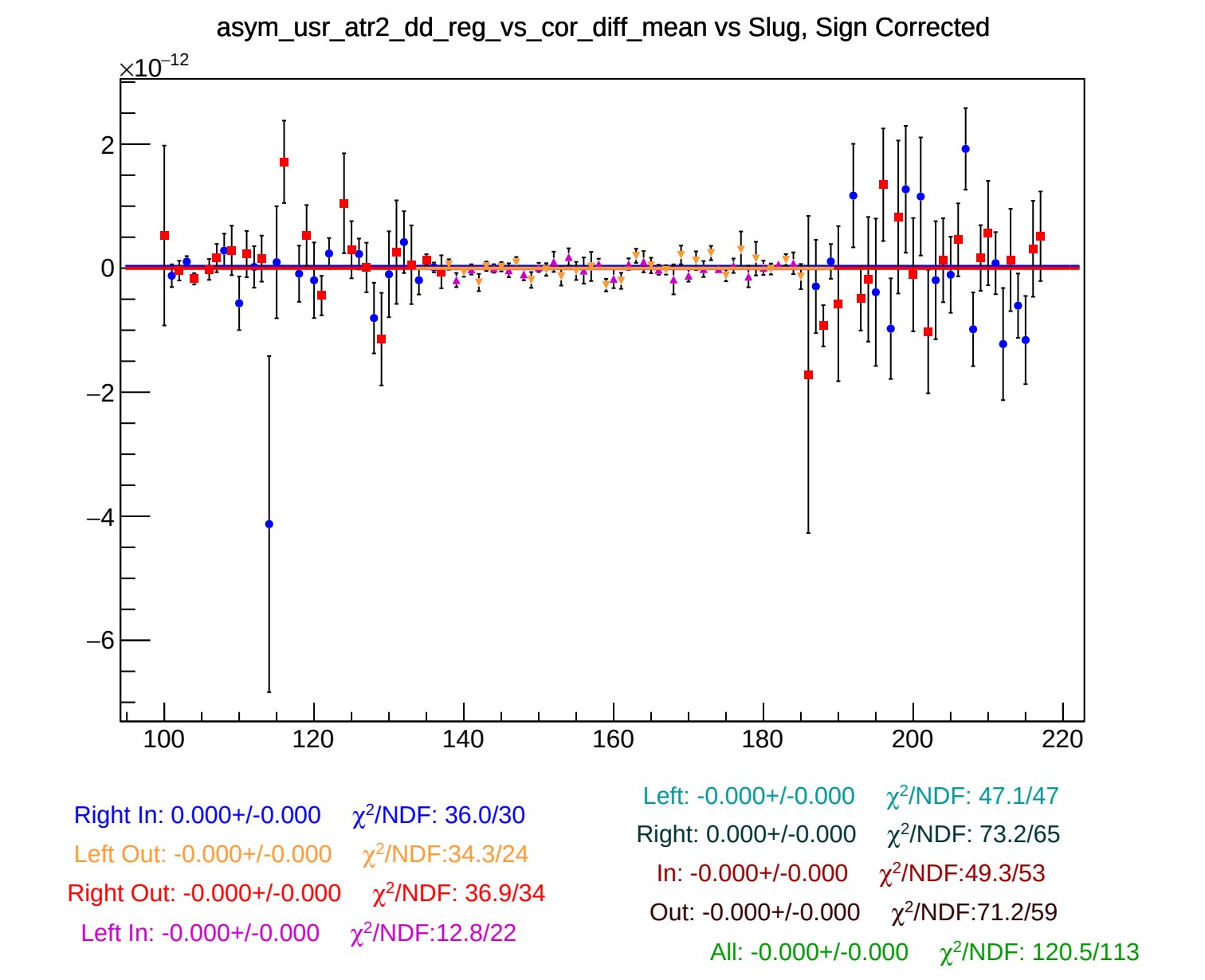
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

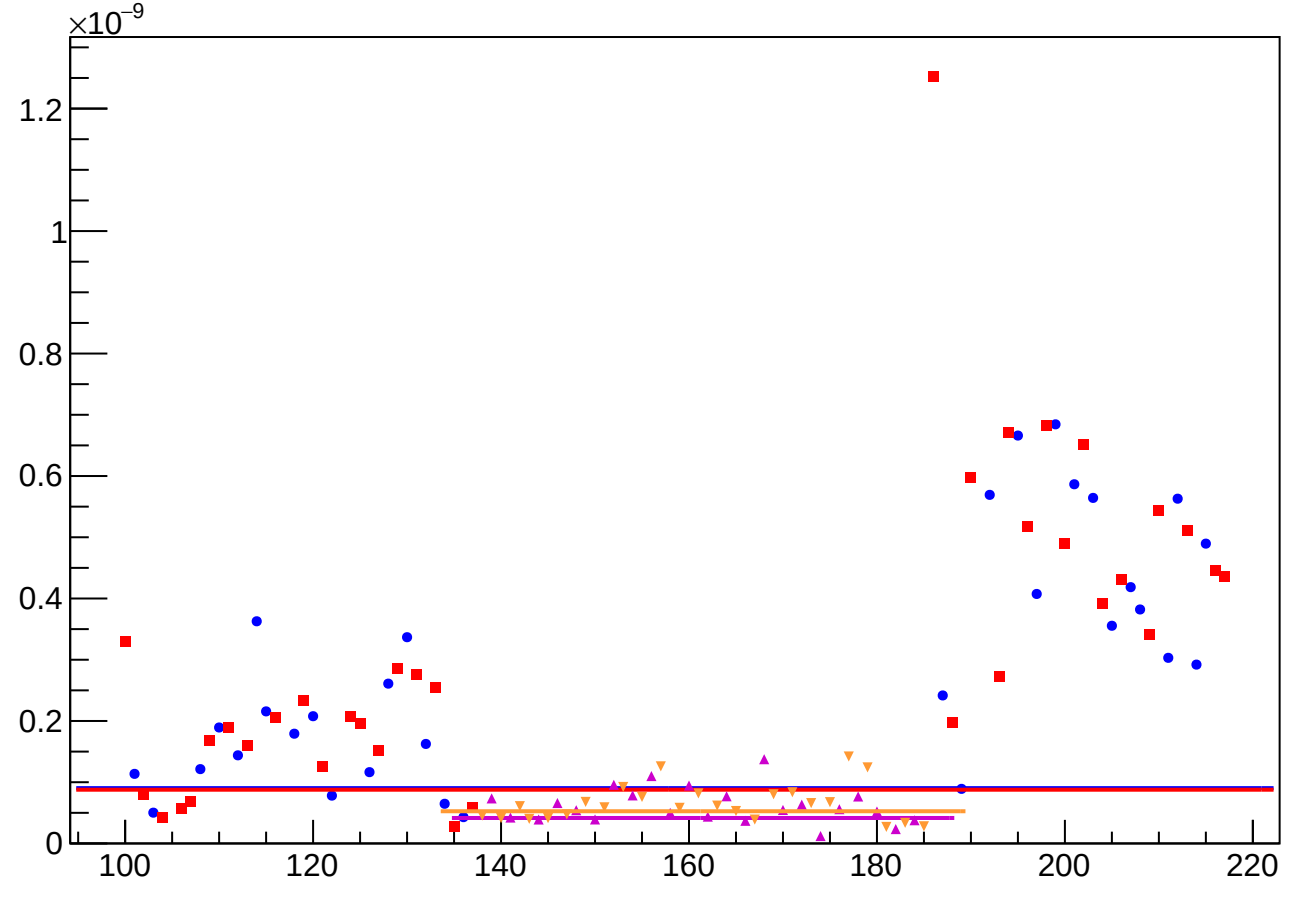
Right: 4134.342+/-0.494 χ^2/NDF: 8519032.6/65

In: 4040.055+/-0.483 χ^2/NDF:4800020.2/53

Out: 3936.861+/-0.463 χ^2/NDF:6100439.1/59

All: 3986.256+/-0.334 χ^2/NDF: 10924288.5/1


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: 36.9/34
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: 73.2/65
In: -0.000+/-0.000 χ²/NDF:49.3/53
Out: -0.000+/-0.000 χ²/NDF:71.2/59
All: -0.000+/-0.000 χ²/NDF: 120.5/113



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: 10111546.9/34

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

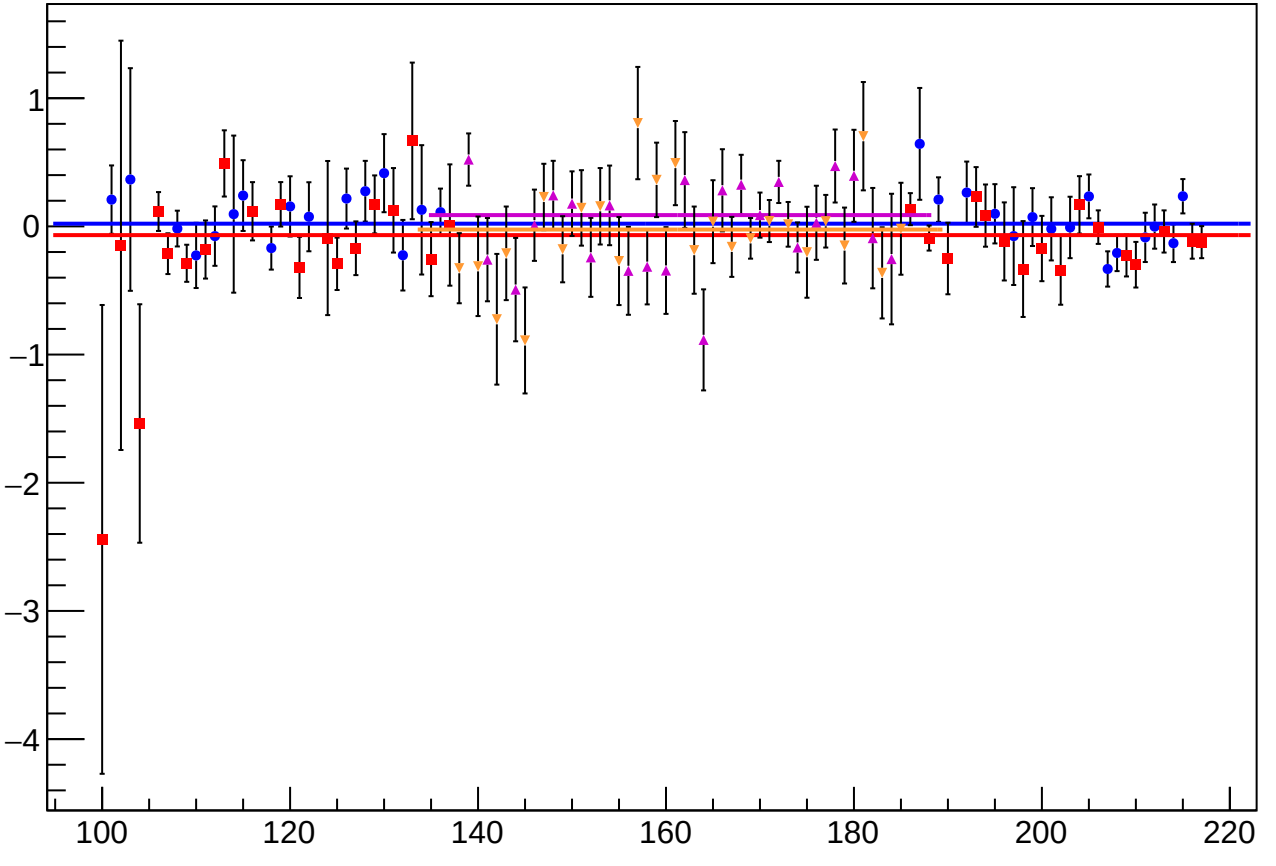
Right: 0.000+/-0.000 χ^2/NDF: 18632292.5/65

In: 0.000+/-0.000 χ^2/NDF:13310653.9/53

Out: 0.000+/-0.000 χ^2/NDF:12631219.2/59

All: 0.000+/-0.000 χ^2/NDF: 26209886.4/113

asym_usr_atr2_dd_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: -0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

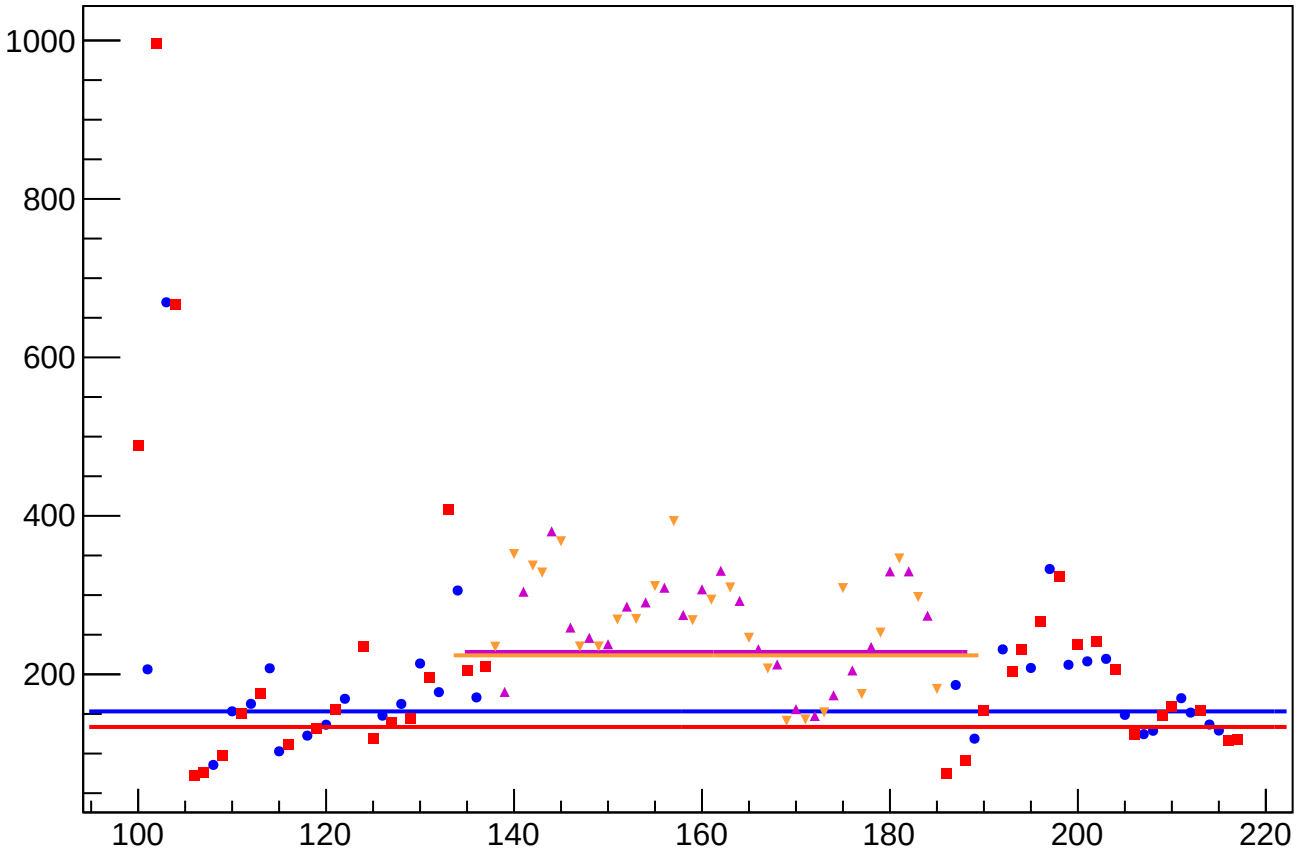
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.029+/-0.025 χ^2/NDF: 64.5/65

In: 0.041+/-0.031 χ^2/NDF:58.9/53

Out: -0.056+/-0.028 χ^2/NDF:58.0/59

All: -0.012+/-0.021 χ^2/NDF: 122.2/113



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: 133.558+/-0.024 χ^2/NDF: 6131160.1/34

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

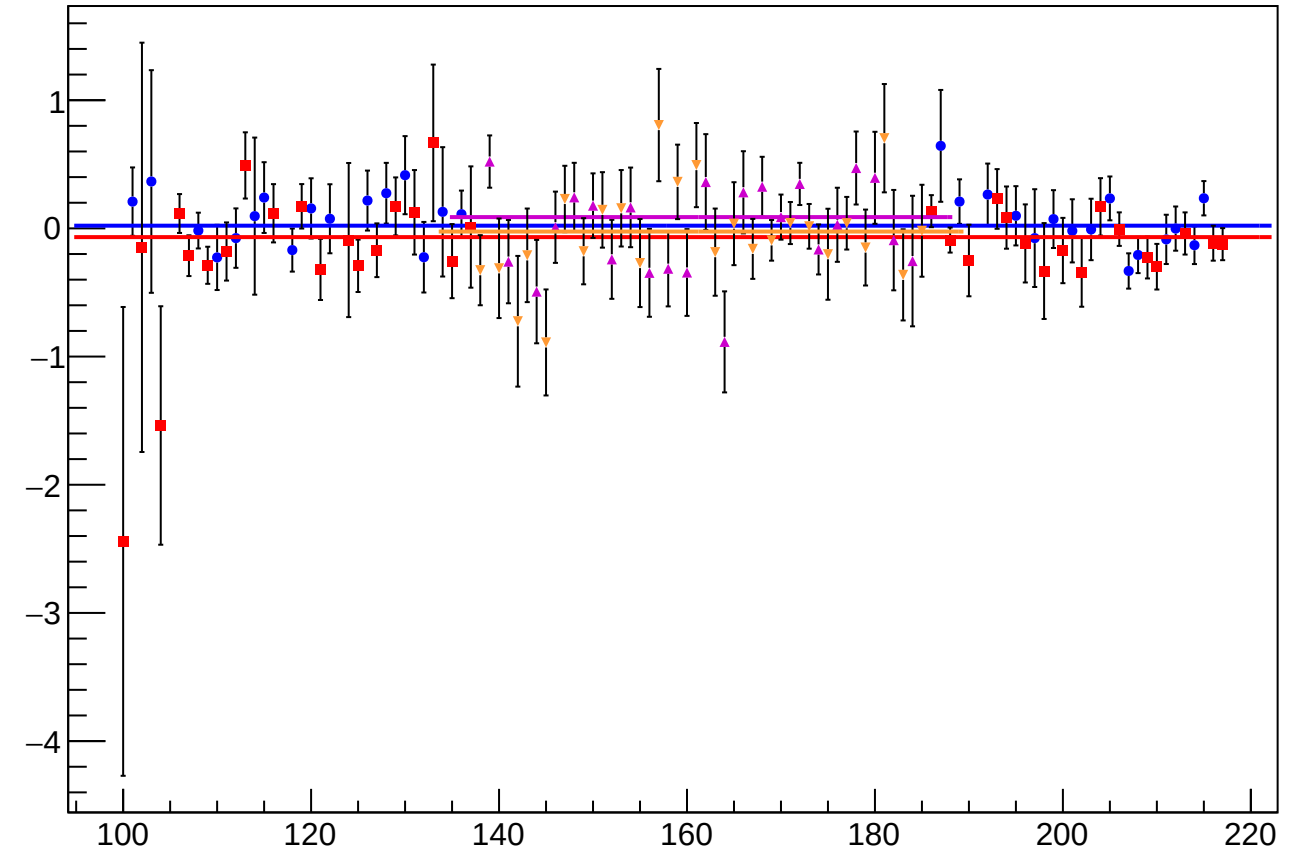
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 142.231+/-0.018 χ^2/NDF: 9693156.8/65

In: 176.043+/-0.022 χ^2/NDF:8180368.3/53

Out: 158.077+/-0.020 χ^2/NDF:13563774.6/59

All: 166.212+/-0.015 χ^2/NDF: 22105580.1/11



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: -0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

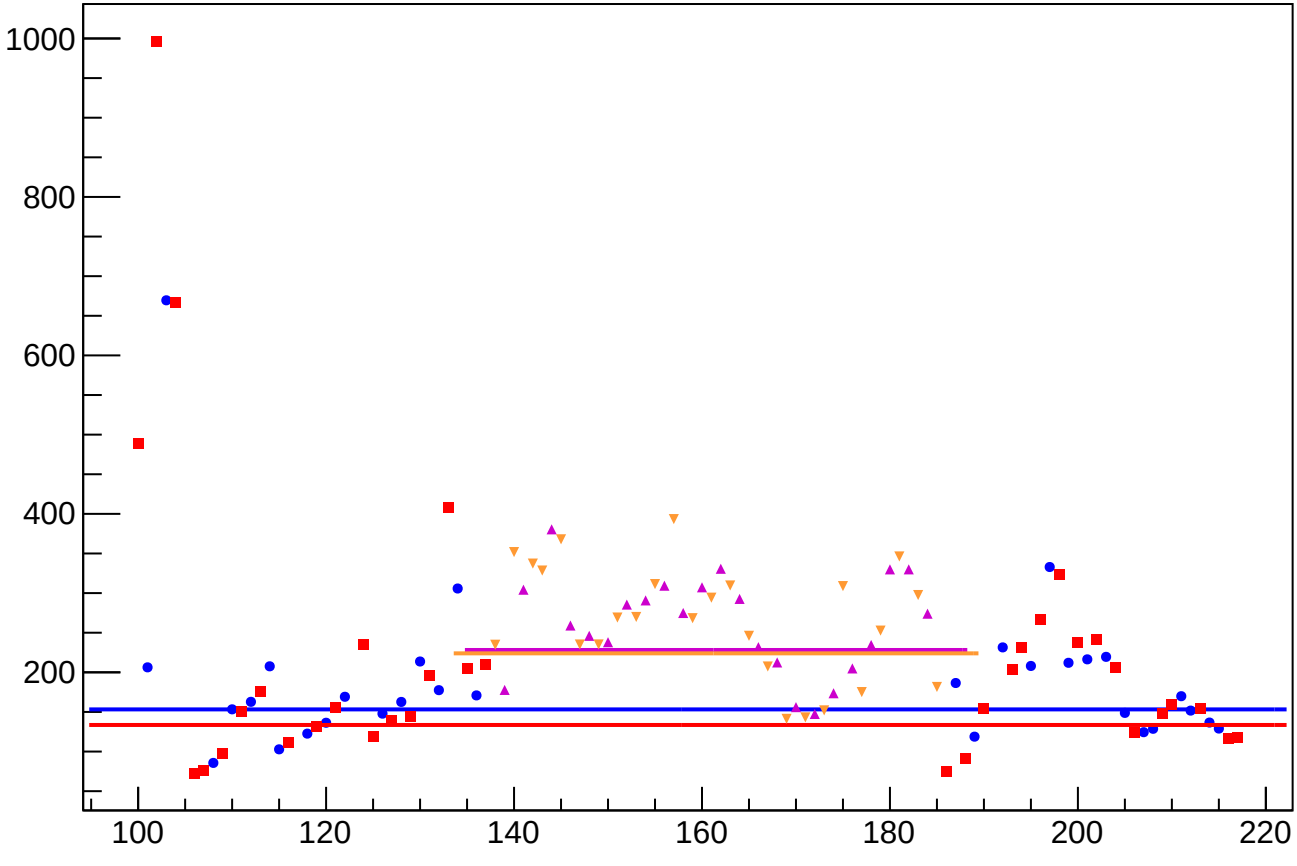
Right: -0.029+/-0.025 χ^2/NDF: 64.5/65

In: 0.041+/-0.031 χ^2/NDF:58.9/53

Out: -0.056+/-0.028 χ^2/NDF:58.0/59

All: -0.012+/-0.021 χ^2/NDF: 122.2/113

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 133.558+/-0.024 χ^2/NDF: 6131160.1/34

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

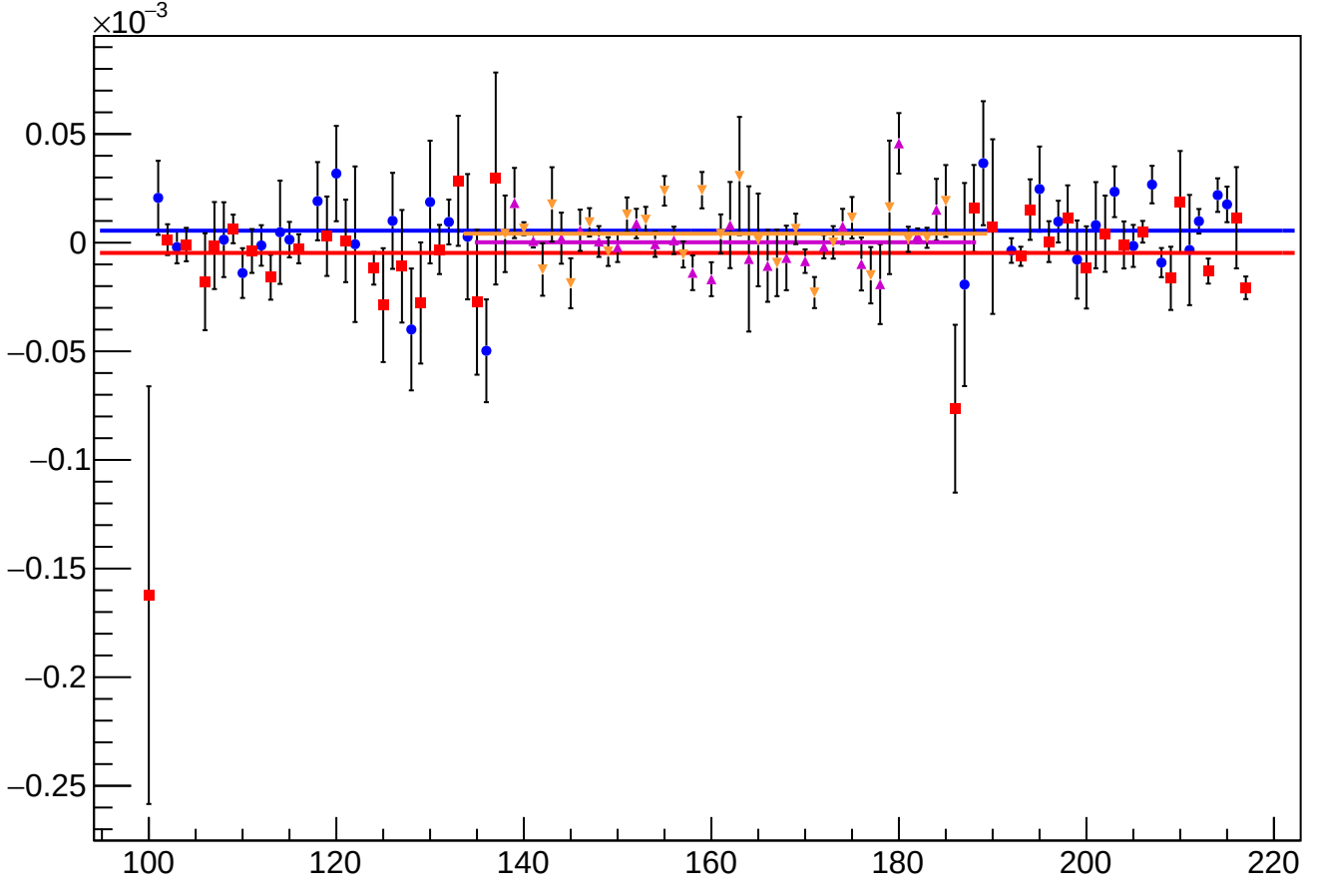
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 142.231+/-0.018 χ^2/NDF: 9693156.8/65

In: 176.043+/-0.022 χ^2/NDF:8180368.3/53

Out: 158.077+/-0.020 χ^2/NDF:13563774.6/59

All: 166.212+/-0.015 χ^2/NDF: 22105580.1/11



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: 39.3/34

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

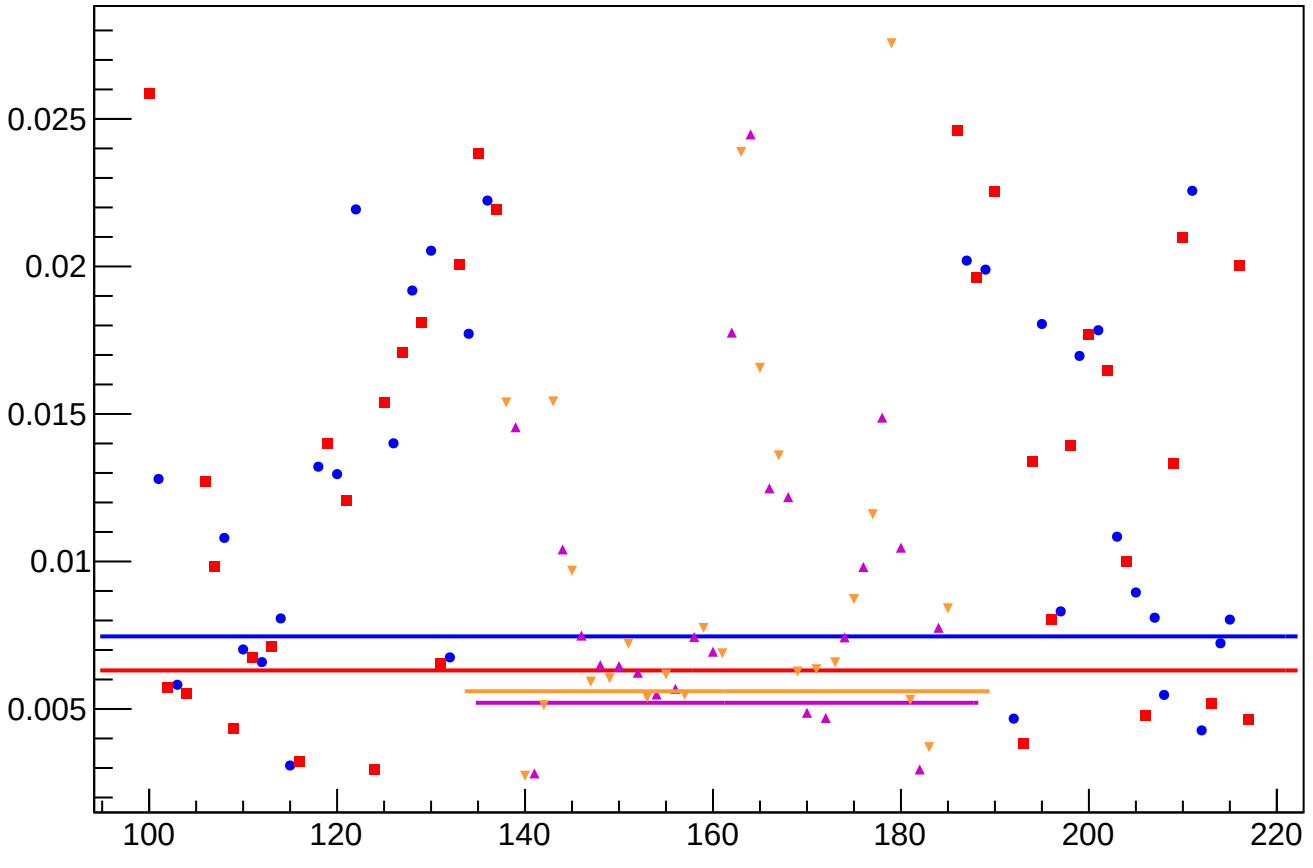
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 97.7/65

In: 0.000+/-0.000 χ^2/NDF:77.8/53

Out: 0.000+/-0.000 χ^2/NDF:103.8/59

All: 0.000+/-0.000 χ^2/NDF: 182.7/113



Right In: 0.007+/-0.000 χ^2/NDF: 8089514.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 11446663.9/34

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

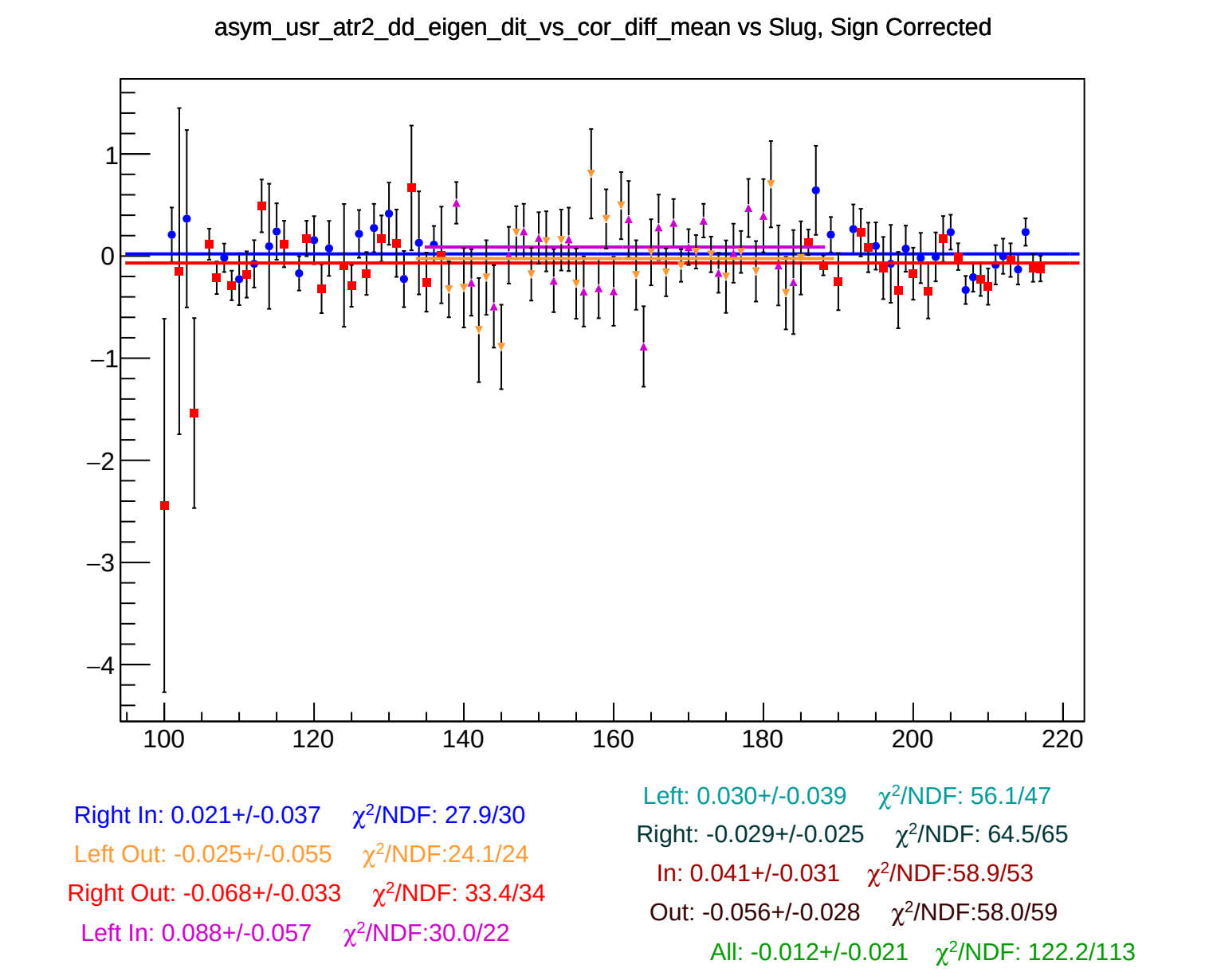
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

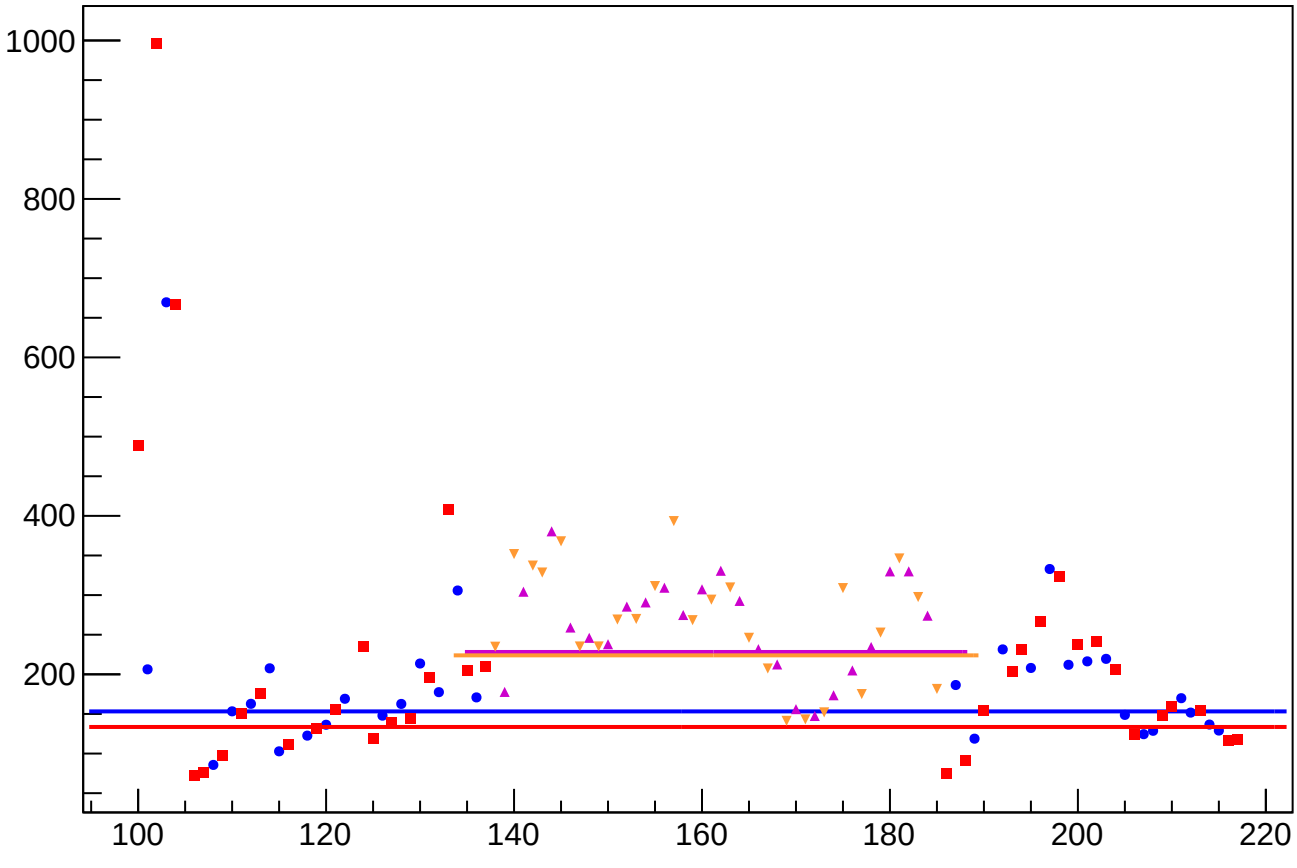
Right: 0.007+/-0.000 χ^2/NDF: 19927175.5/65

In: 0.006+/-0.000 χ^2/NDF:17237342.4/53

Out: 0.006+/-0.000 χ^2/NDF:19415064.1/59

All: 0.006+/-0.000 χ^2/NDF: 36656811.7/113


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: 0.021+/-0.037 χ²/NDF: 27.9/30
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.068+/-0.033 χ²/NDF: 33.4/34
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.029+/-0.025 χ²/NDF: 64.5/65
In: 0.041+/-0.031 χ²/NDF:58.9/53
Out: -0.056+/-0.028 χ²/NDF:58.0/59
All: -0.012+/-0.021 χ²/NDF: 122.2/113



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: 133.562+/-0.024 χ^2/NDF: 6130632.6/34

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

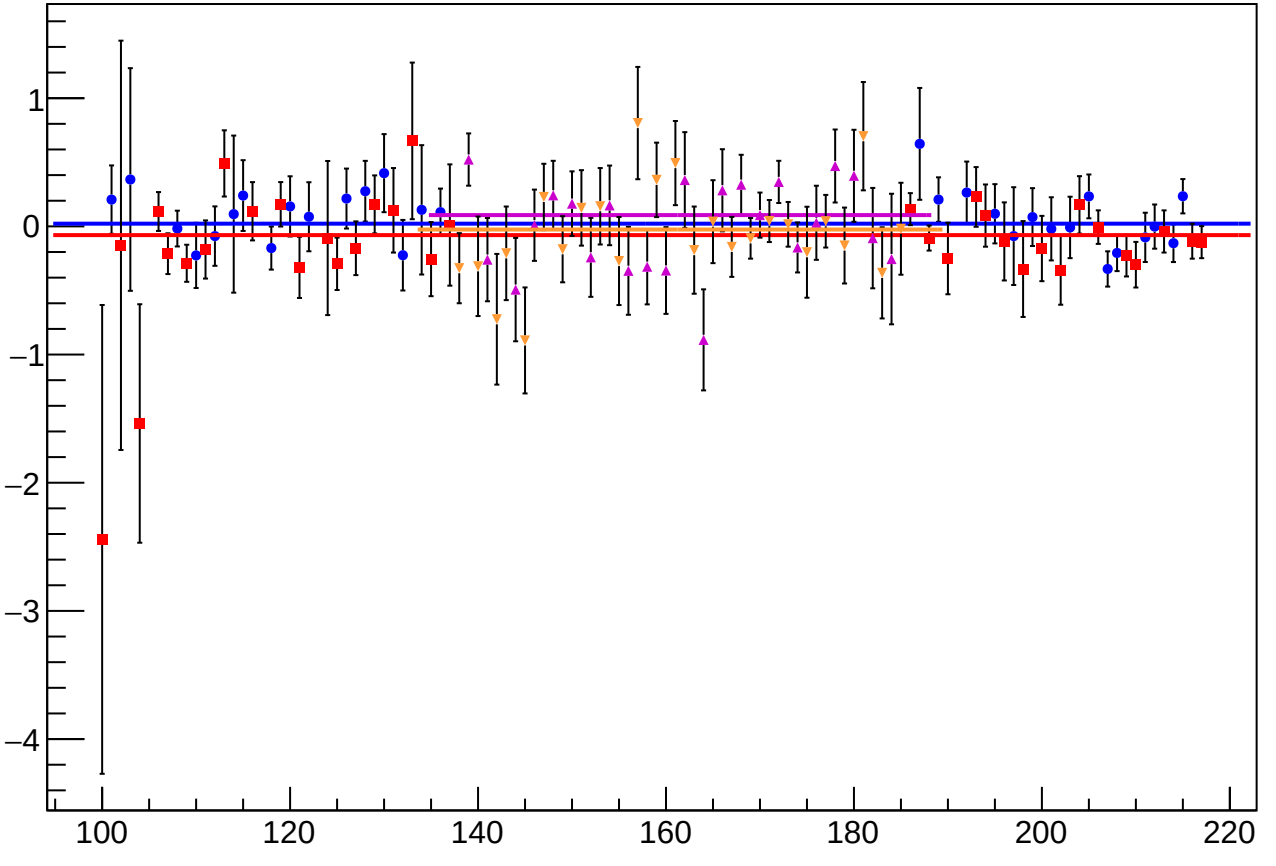
Right: 142.233+/-0.018 χ^2/NDF: 9692629.5/65

In: 176.042+/-0.022 χ^2/NDF:8180808.1/53

Out: 158.080+/-0.020 χ^2/NDF:13563102.5/59

All: 166.213+/-0.015 χ^2/NDF: 22105162.5/1

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.037 χ^2/NDF: 27.9/30

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

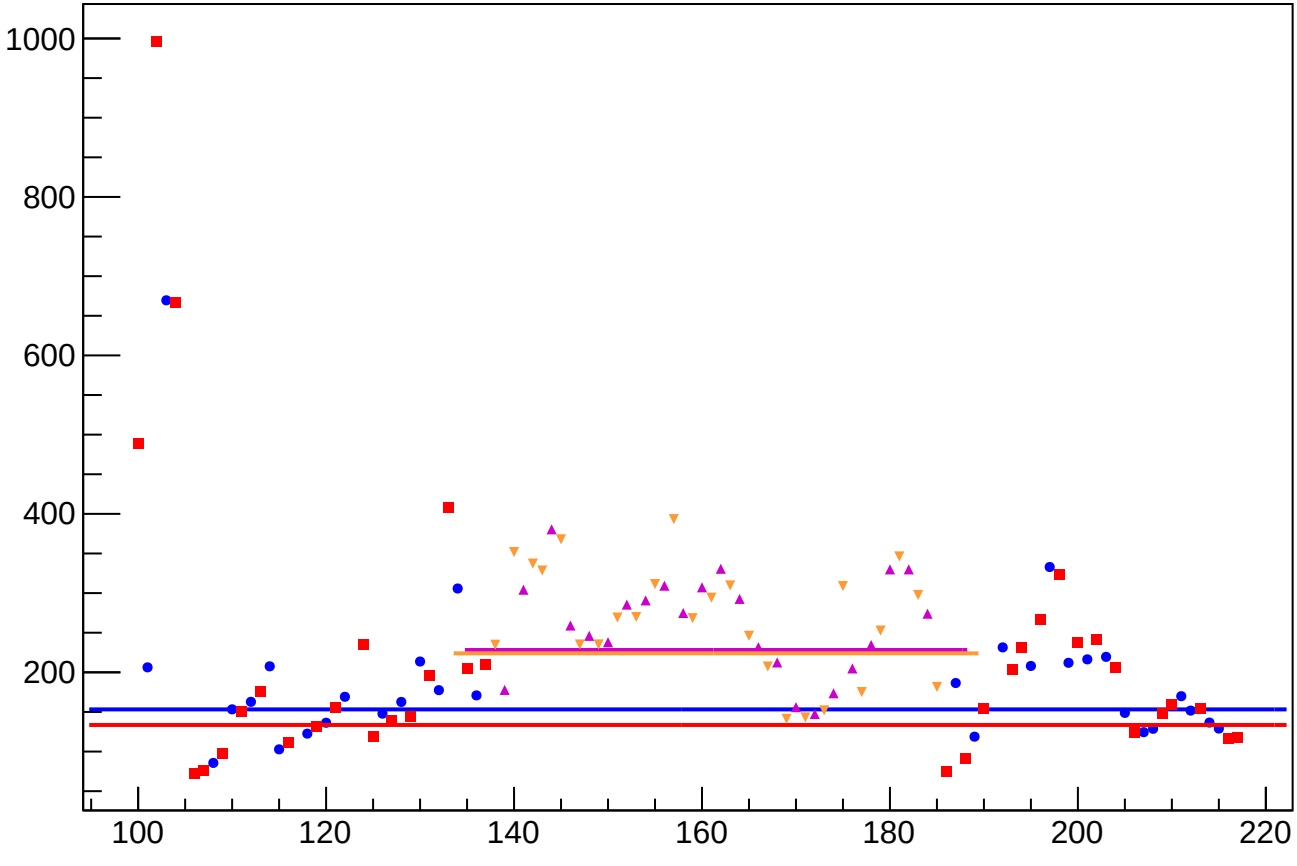
Right: -0.029+/-0.025 χ^2/NDF: 64.5/65

In: 0.041+/-0.031 χ^2/NDF:58.9/53

Out: -0.056+/-0.028 χ^2/NDF:58.0/59

All: -0.012+/-0.021 χ^2/NDF: 122.2/113

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: 133.562+/-0.024 χ^2/NDF: 6130632.6/34

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

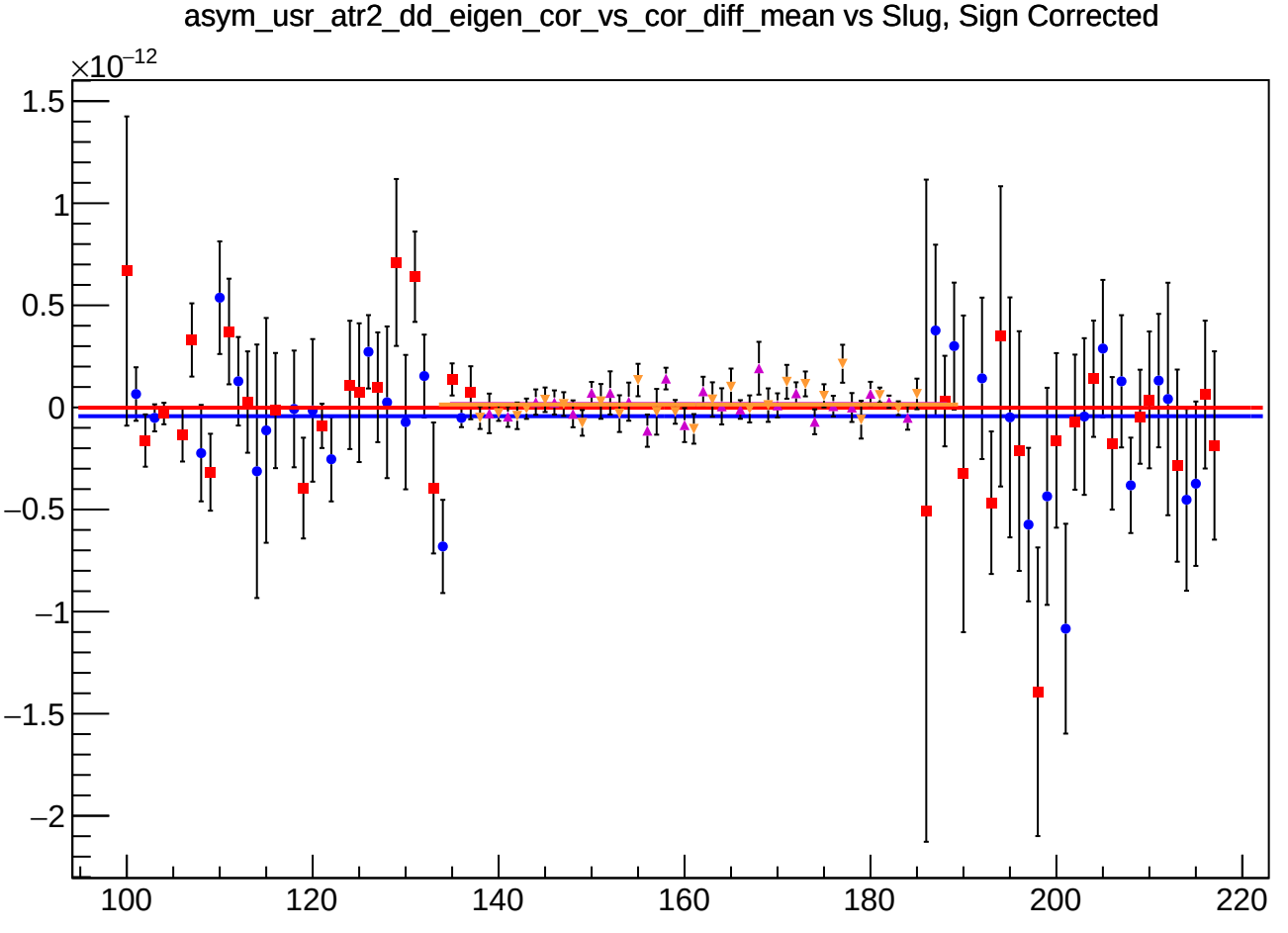
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 142.233+/-0.018 χ^2/NDF: 9692629.5/65

In: 176.042+/-0.022 χ^2/NDF:8180808.1/53

Out: 158.080+/-0.020 χ^2/NDF:13563102.5/59

All: 166.213+/-0.015 χ^2/NDF: 22105162.5/1



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.5/34

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

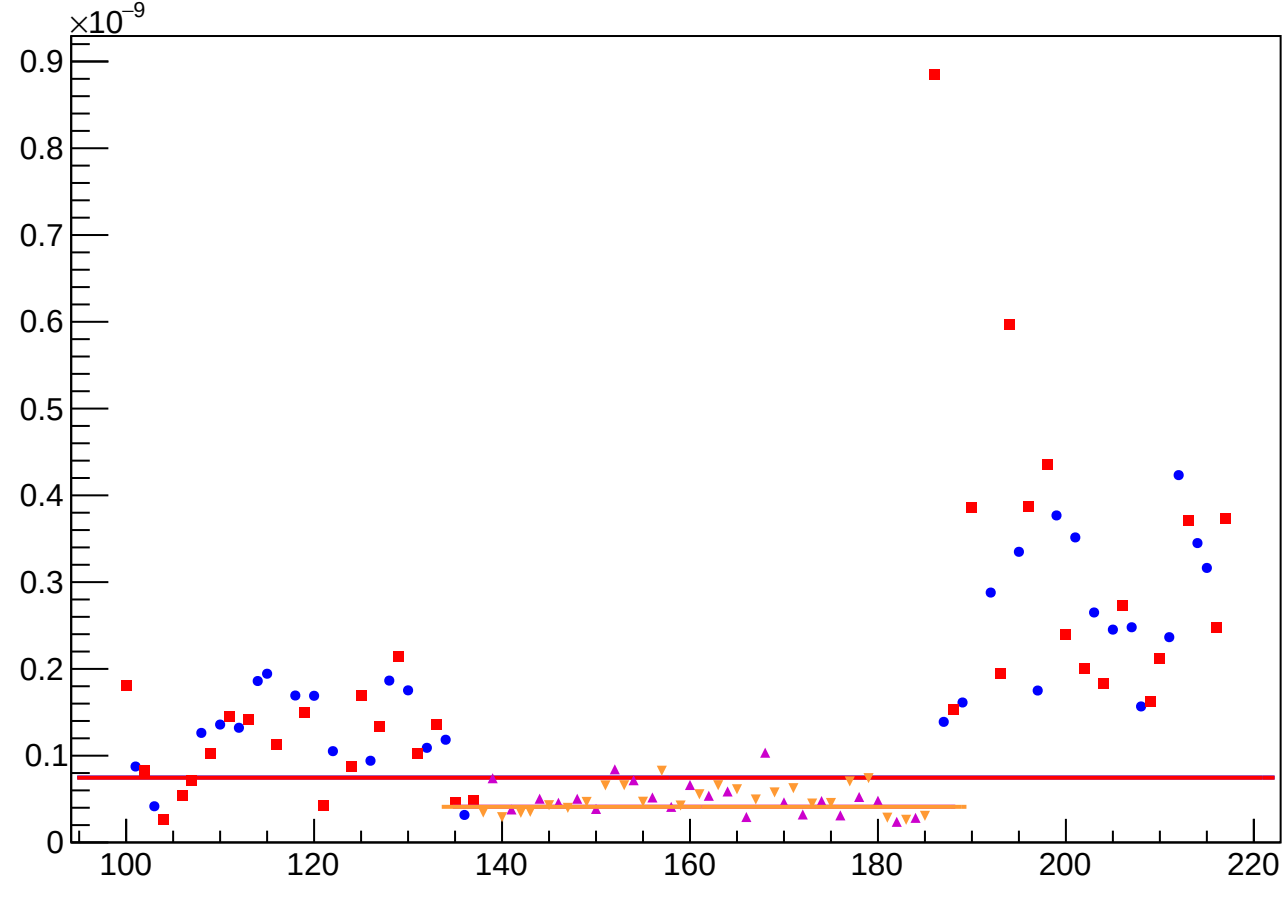
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

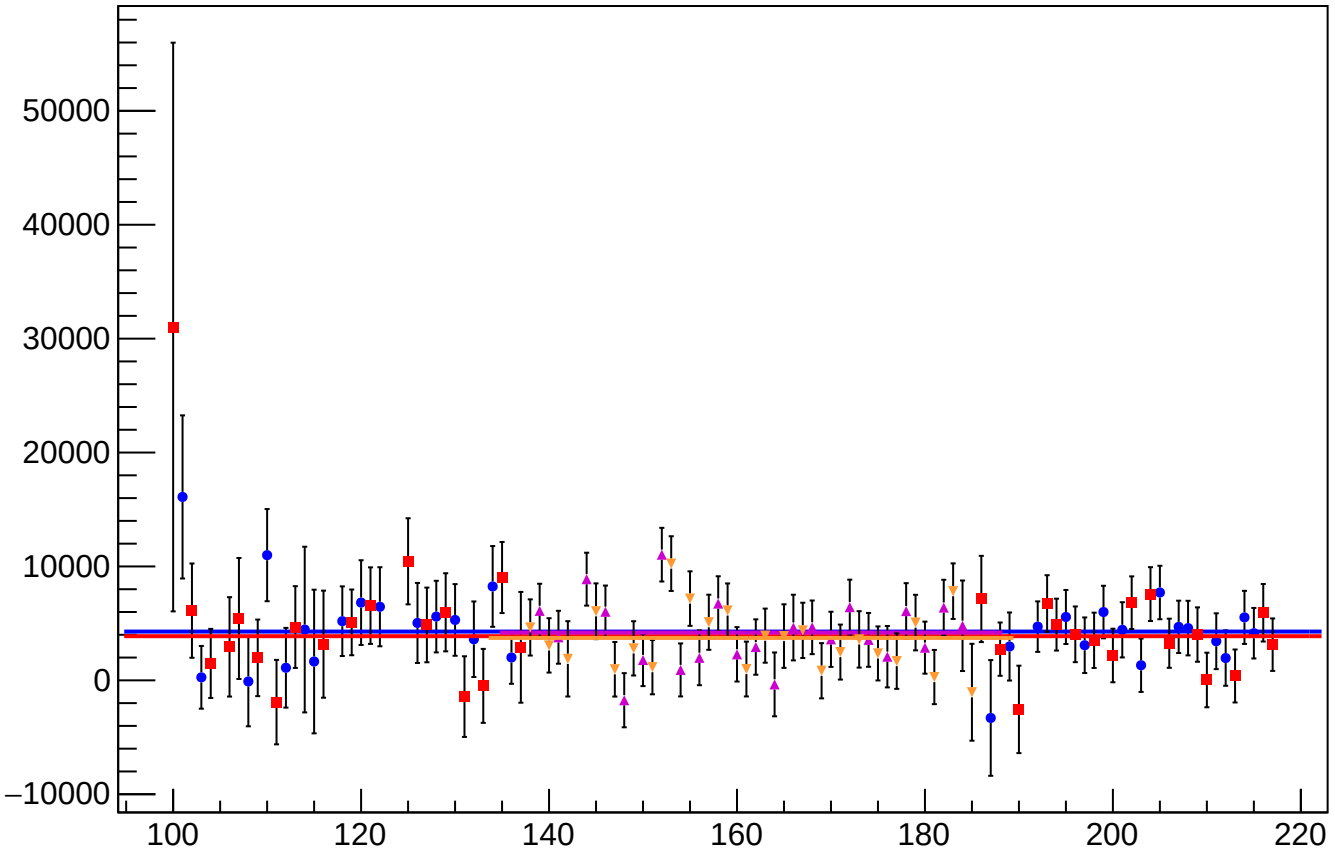
Right: -0.000+/-0.000 χ^2/NDF: 74.2/65

In: 0.000+/-0.000 χ^2/NDF:58.8/53

Out: 0.000+/-0.000 χ^2/NDF:65.1/59

All: 0.000+/-0.000 χ^2/NDF: 123.9/113


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: 11168506.9/34
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: 21981748.6/65
In: 0.000+/-0.000 χ²/NDF:15751911.8/53
Out: 0.000+/-0.000 χ²/NDF:15938289.9/59
All: 0.000+/-0.000 χ²/NDF: 31690854.4/113



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: 3876.911+/-501.767 χ^2/NDF: 31.8/33

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

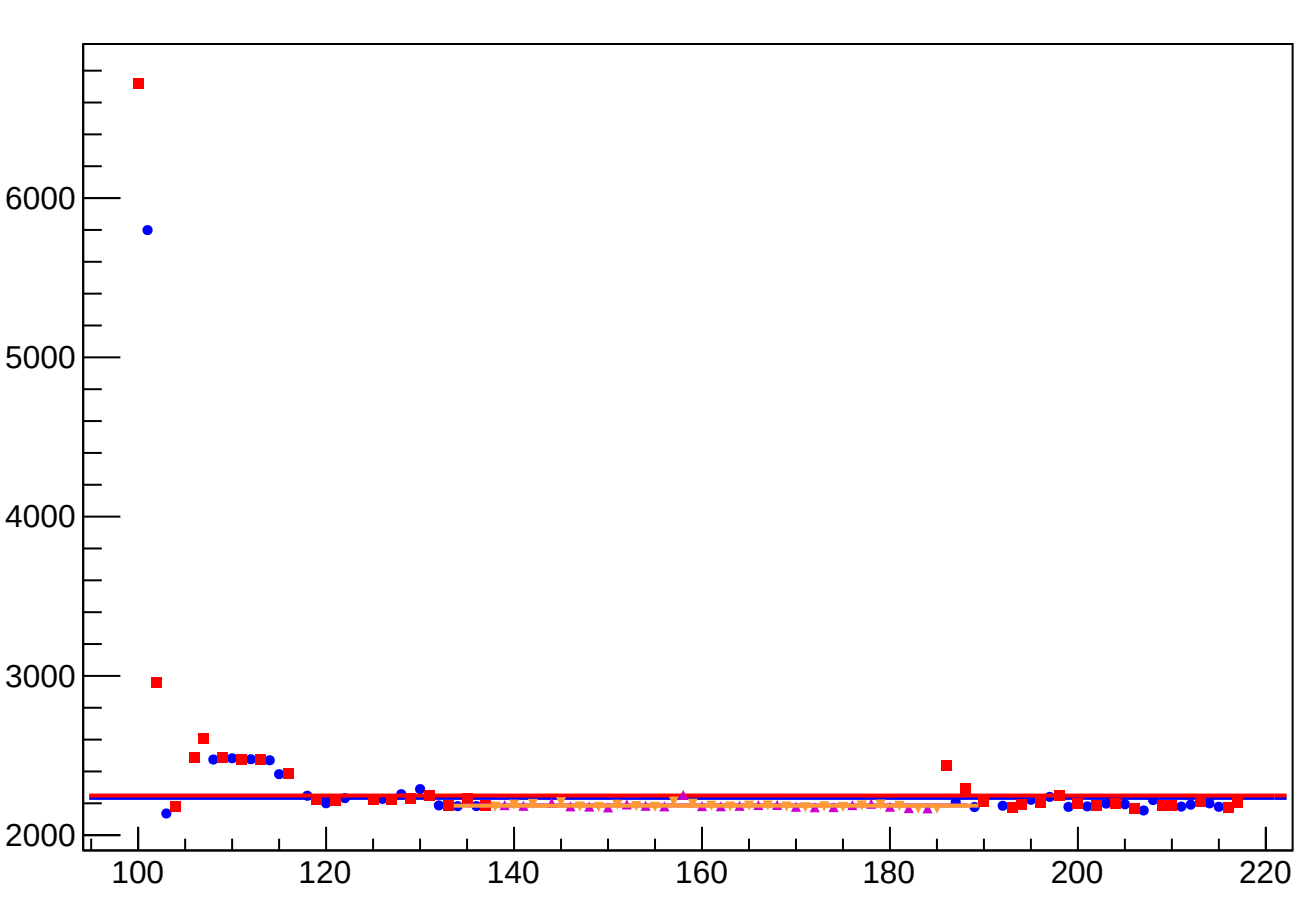
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4075.150+/-358.395 χ^2/NDF: 54.1/64

In: 4238.658+/-361.565 χ^2/NDF:54.1/53

Out: 3801.018+/-356.693 χ^2/NDF:57.3/57

All: 4016.869+/-253.925 χ^2/NDF: 112.2/111



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: 2248.692+/-0.355 χ^2/NDF: 189832.5/33

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

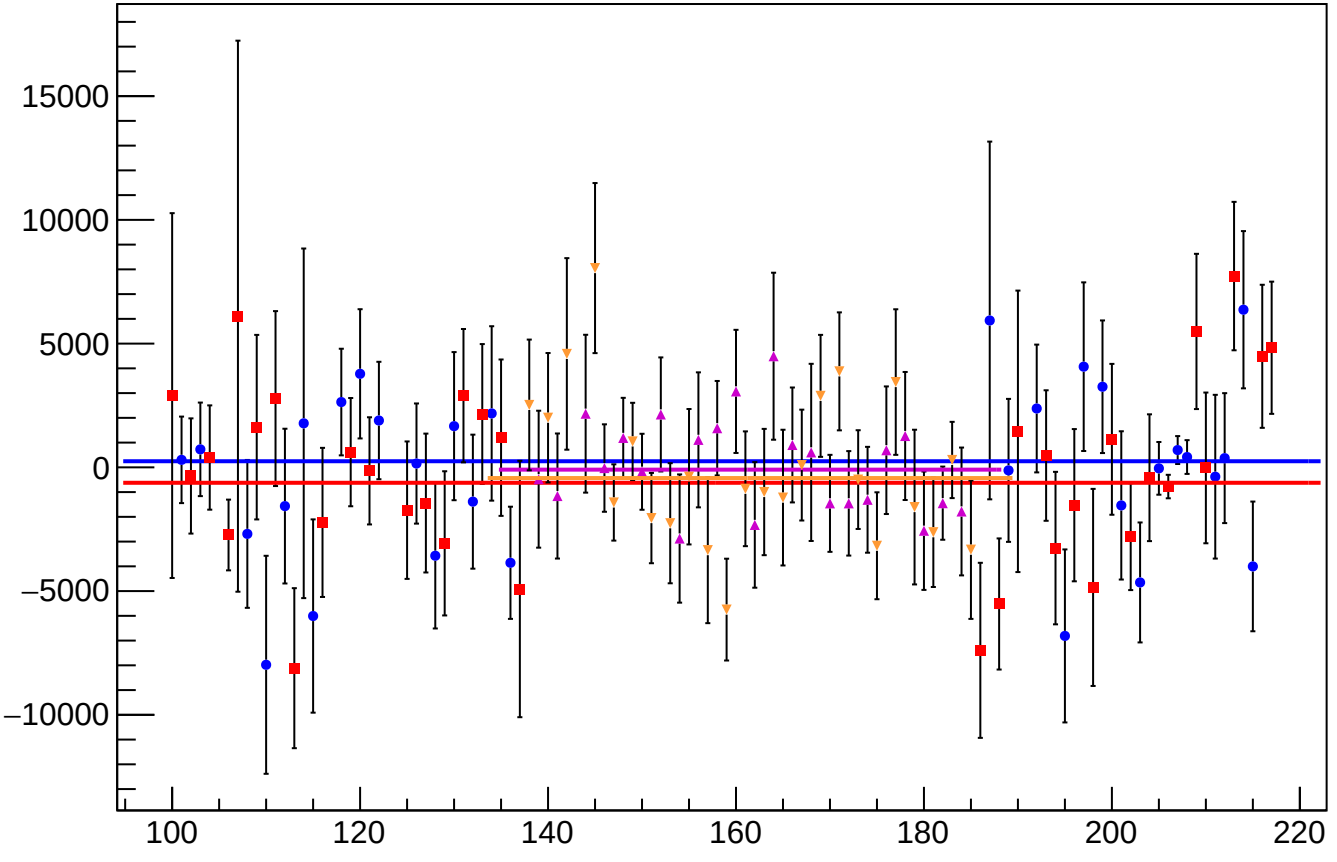
Right: 2241.568+/-0.253 χ^2/NDF: 730260.4/64

In: 2210.377+/-0.256 χ^2/NDF:550263.3/53

Out: 2217.252+/-0.252 χ^2/NDF:206521.5/57

All: 2213.861+/-0.180 χ^2/NDF: 757151.2/111

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: -623.675+/-339.983 χ^2/NDF: 44.7/33

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

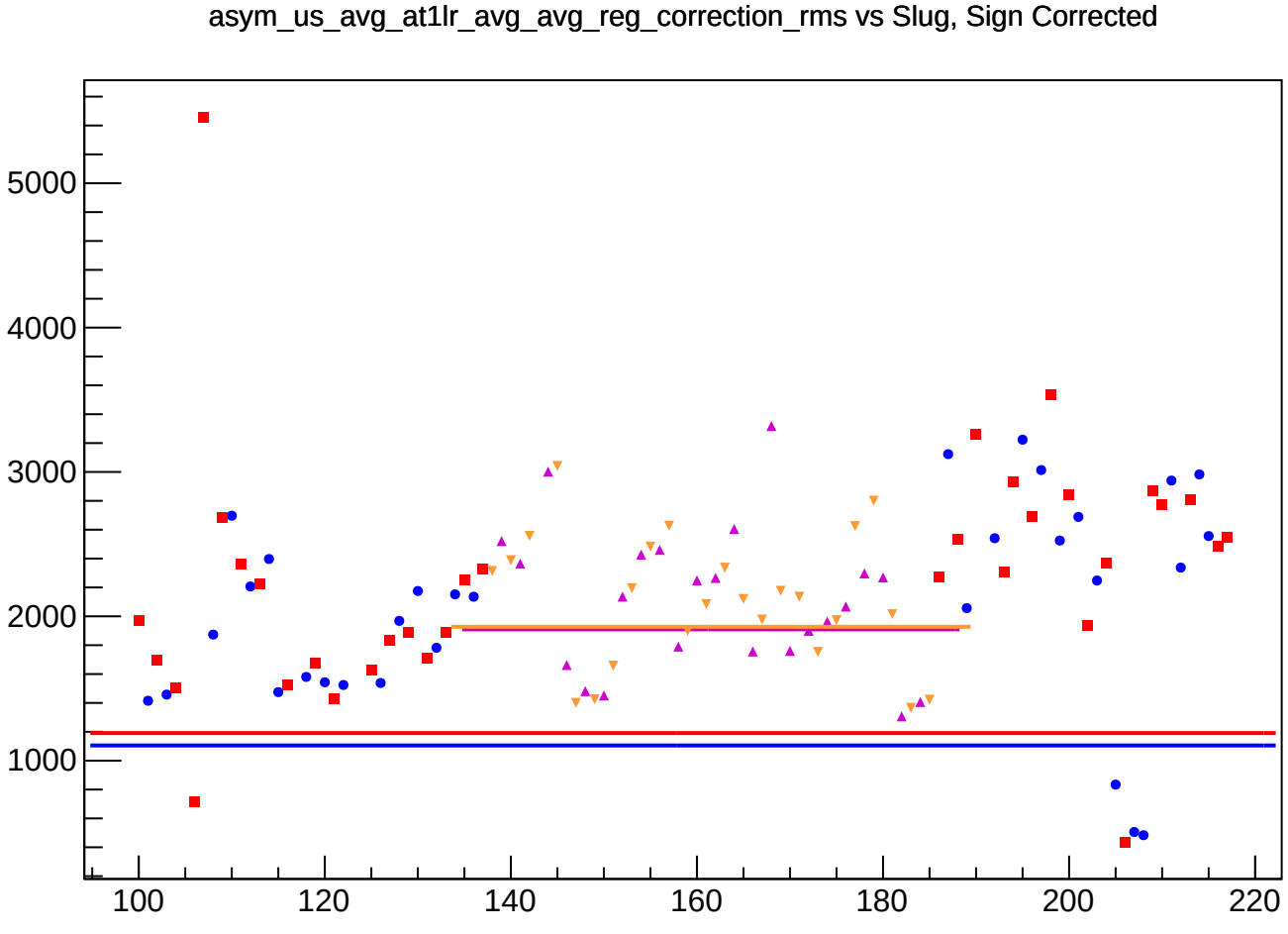
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

Right: -160.318+/-232.533 χ^2/NDF: 84.5/64

In: 137.012+/-262.119 χ^2/NDF:49.5/53

Out: -556.513+/-273.909 χ^2/NDF:76.1/57

All: -194.503+/-189.377 χ^2/NDF: 128.9/111



Right In: 1105.292+/-0.225 χ^2/NDF: 12616914.3/30

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1191.155+/-0.240 χ^2/NDF: 14473601.4/33

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

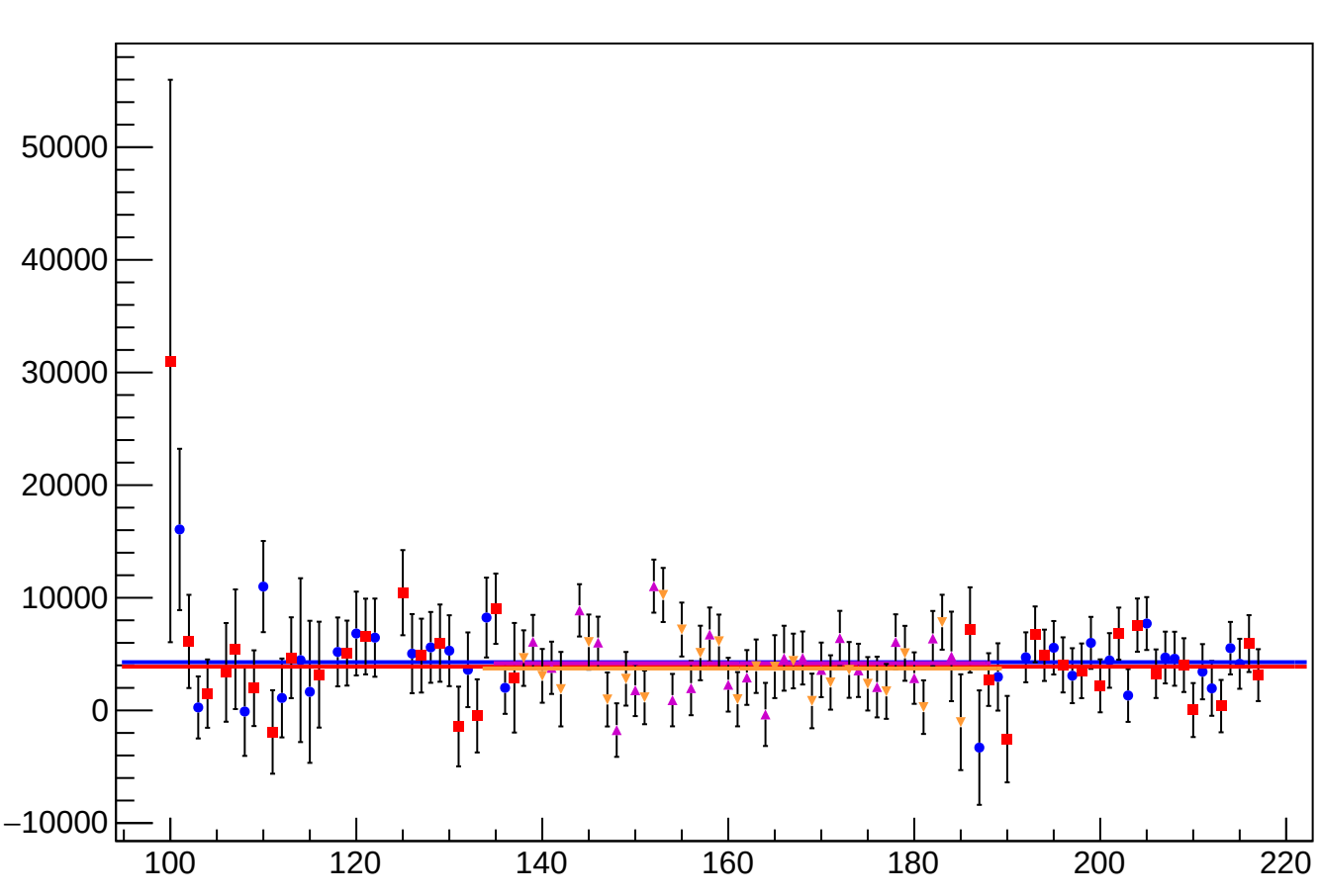
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1145.459+/-0.164 χ^2/NDF: 27158405.5/64

In: 1365.696+/-0.185 χ^2/NDF:18682181.9/53

Out: 1449.609+/-0.194 χ^2/NDF:19565621.9/57

All: 1405.808+/-0.134 χ^2/NDF: 38345784.9/



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: 3882.928+/-501.796 χ^2/NDF: 31.8/33

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

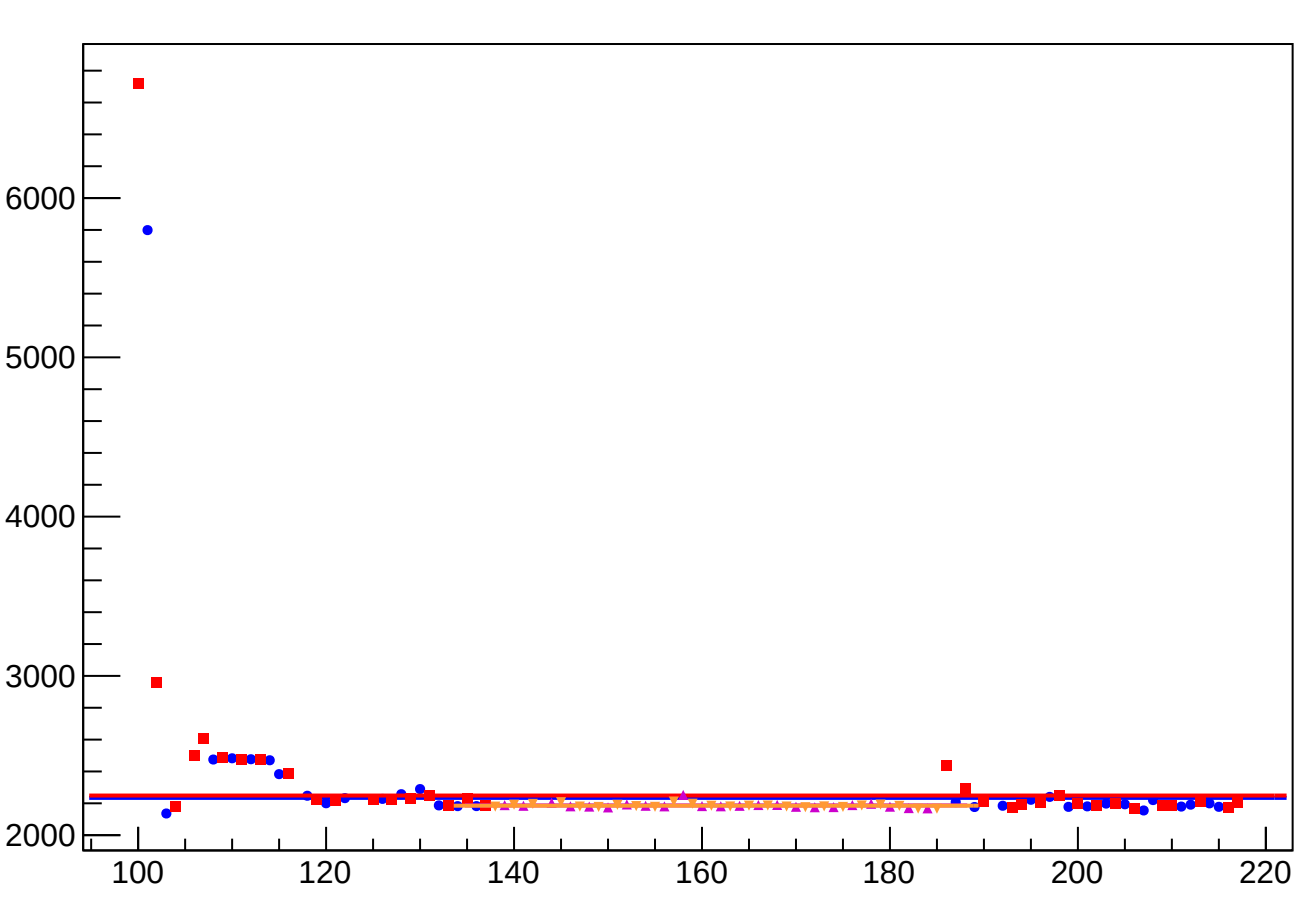
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4078.122+/-358.405 χ^2/NDF: 54.1/64

In: 4238.606+/-361.565 χ^2/NDF:54.1/53

Out: 3804.027+/-356.703 χ^2/NDF:57.3/57

All: 4018.375+/-253.928 χ^2/NDF: 112.1/111



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: 2248.805+/-0.355 χ^2/NDF: 190331.3/33

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

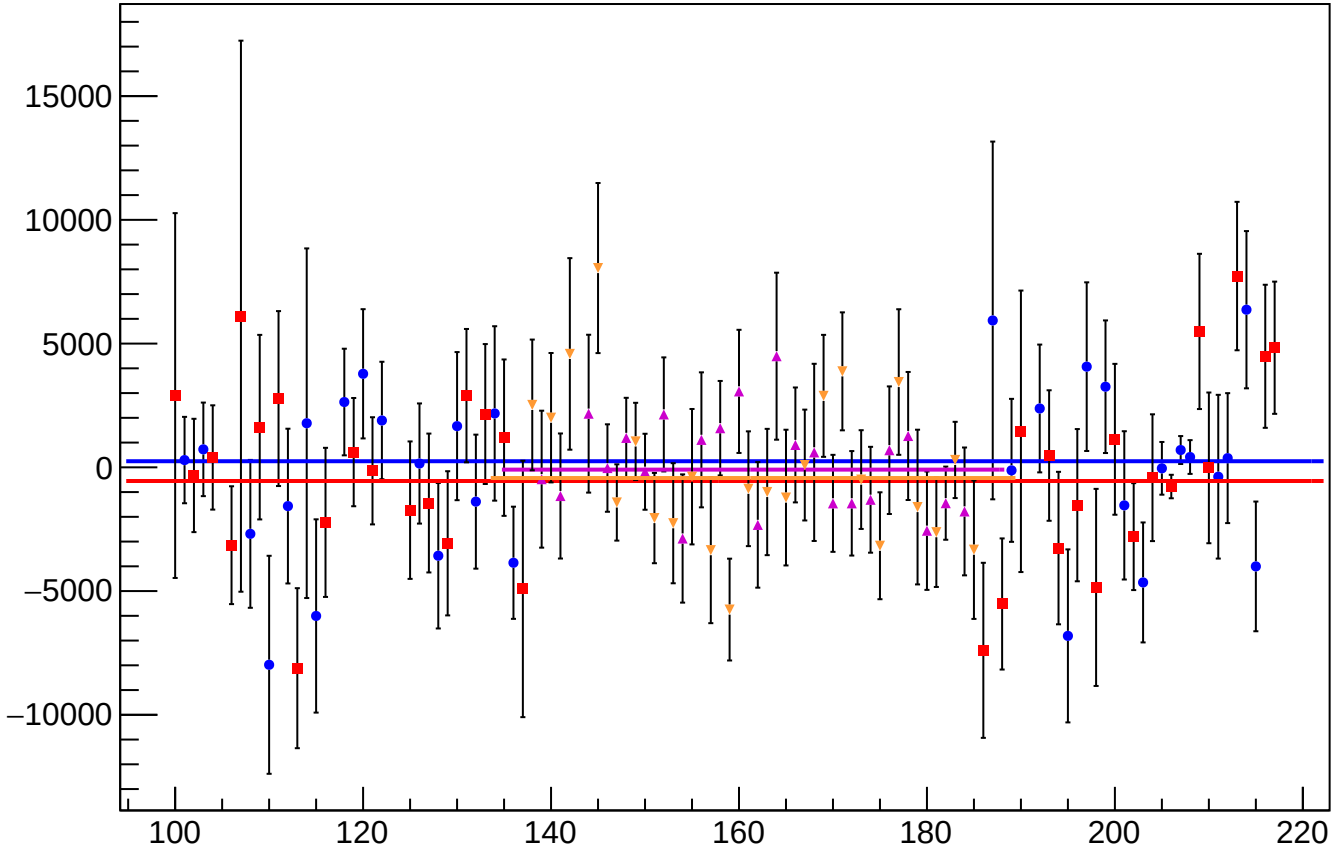
Right: 2241.626+/-0.253 χ^2/NDF: 730772.5/64

In: 2210.377+/-0.256 χ^2/NDF:550263.7/53

Out: 2217.307+/-0.252 χ^2/NDF:207076.0/57

All: 2213.889+/-0.180 χ^2/NDF: 757712.1/111

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: -552.445+/-346.174 χ^2/NDF: 43.6/33

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

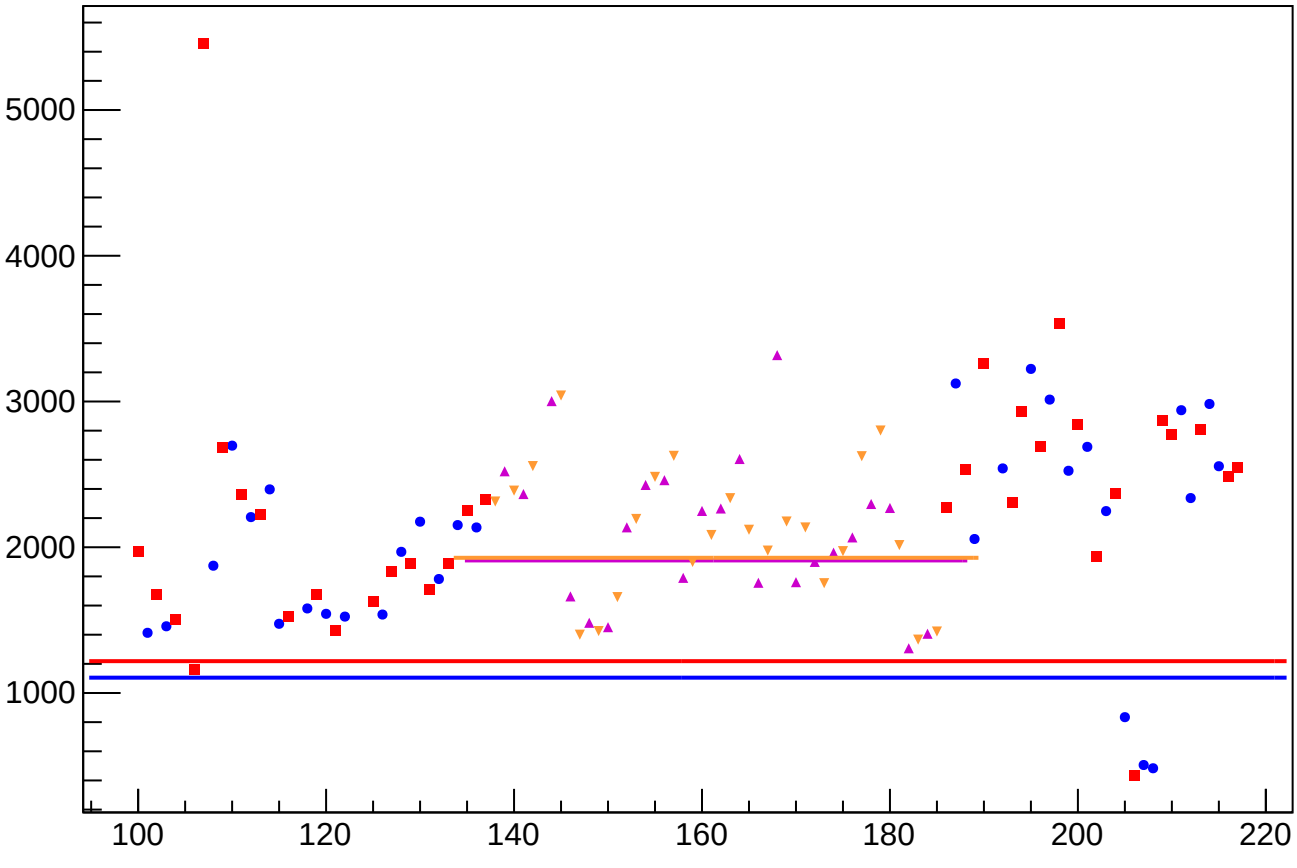
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -119.893+/-234.478 χ^2/NDF: 82.8/64

In: 136.917+/-262.108 χ^2/NDF:49.5/53

Out: -509.298+/-277.116 χ^2/NDF:74.9/57

All: -168.219+/-190.423 χ^2/NDF: 127.3/111



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: 1218.512+/-0.245 χ^2/NDF: 14235531.9/33

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

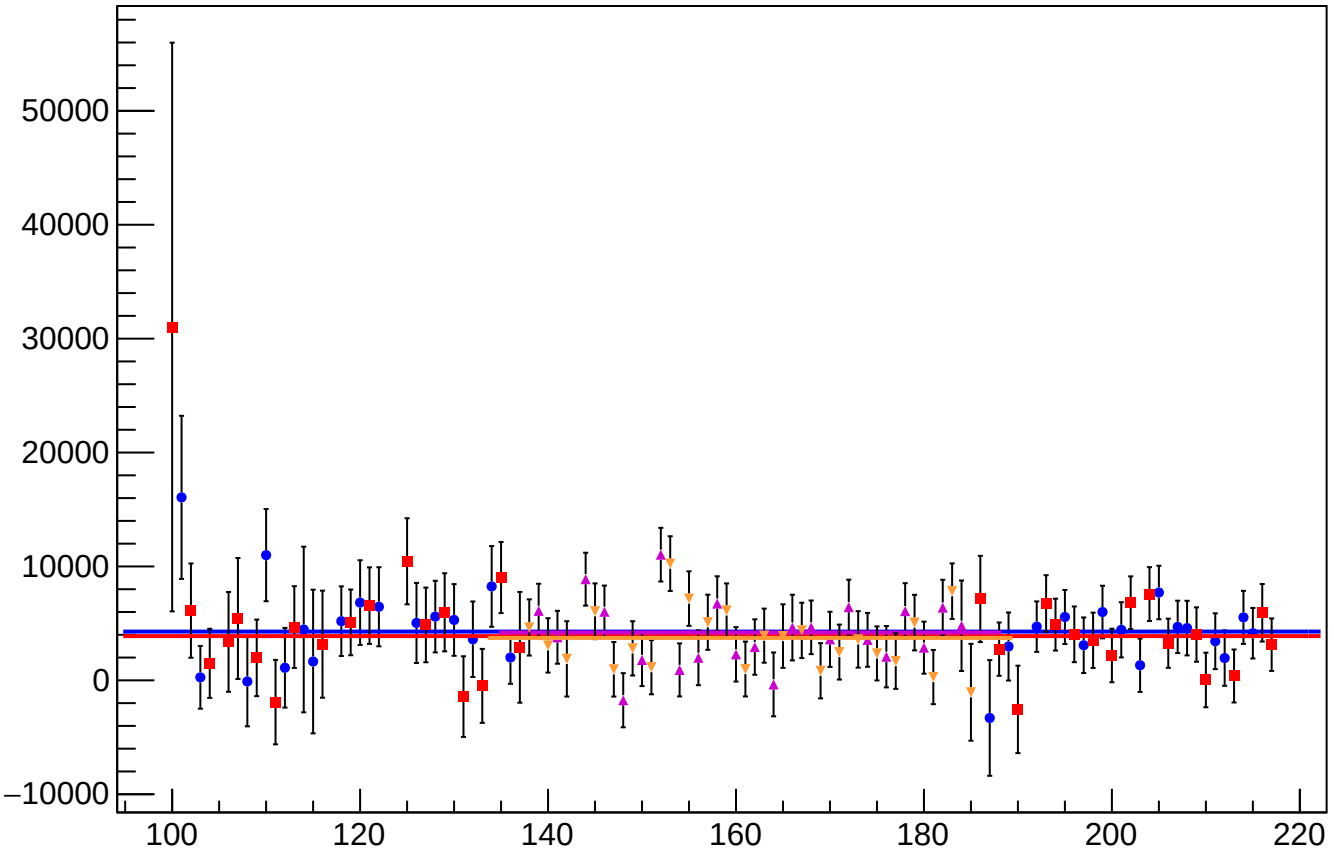
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1157.202+/-0.166 χ^2/NDF: 26968283.9/64

In: 1365.631+/-0.185 χ^2/NDF:18682991.1/53

Out: 1473.227+/-0.196 χ^2/NDF:19048550.6/57

All: 1416.436+/-0.135 χ^2/NDF: 37890682.5/1



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: 3882.928+/-501.796 χ^2/NDF: 31.8/33

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

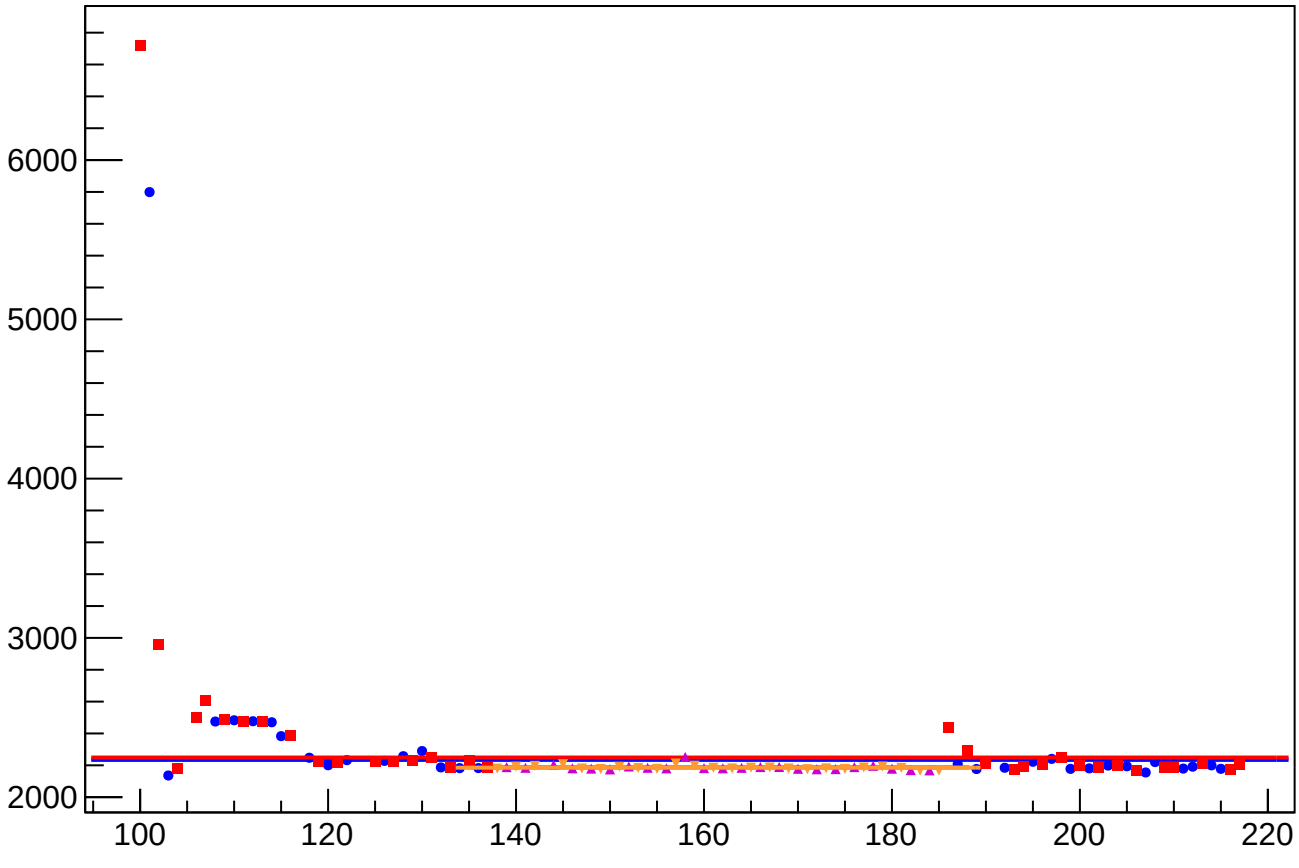
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4078.122+/-358.405 χ^2/NDF: 54.1/64

In: 4238.606+/-361.565 χ^2/NDF:54.1/53

Out: 3804.027+/-356.703 χ^2/NDF:57.3/57

All: 4018.375+/-253.928 χ^2/NDF: 112.1/111



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: 2248.805+/-0.355 χ^2/NDF: 190331.3/33

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

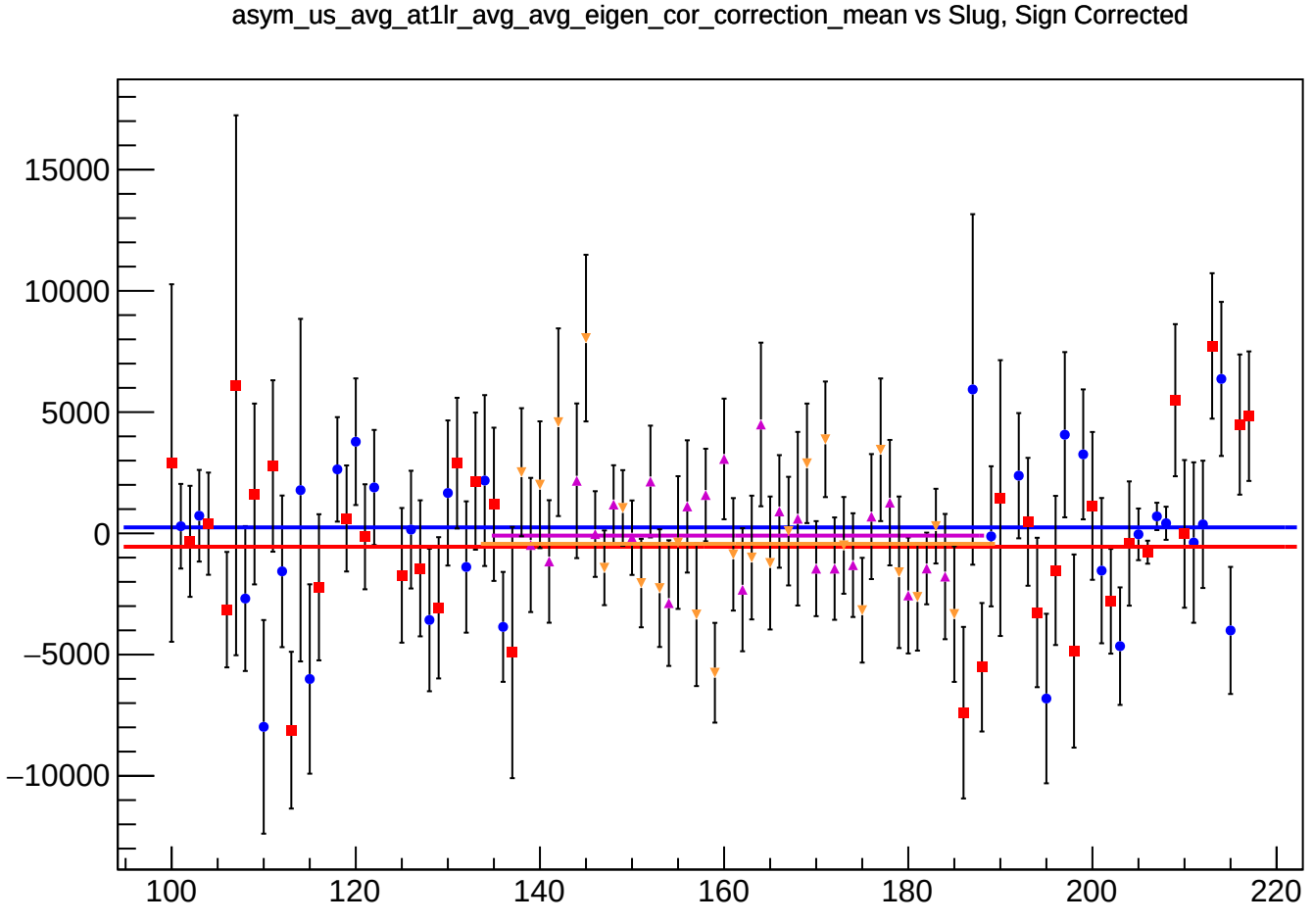
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2241.626+/-0.253 χ^2/NDF: 730772.5/64

In: 2210.377+/-0.256 χ^2/NDF:550263.7/53

Out: 2217.307+/-0.252 χ^2/NDF:207076.0/57

All: 2213.889+/-0.180 χ^2/NDF: 757712.1/111



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: -552.445+/-346.174 χ^2/NDF: 43.6/33

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

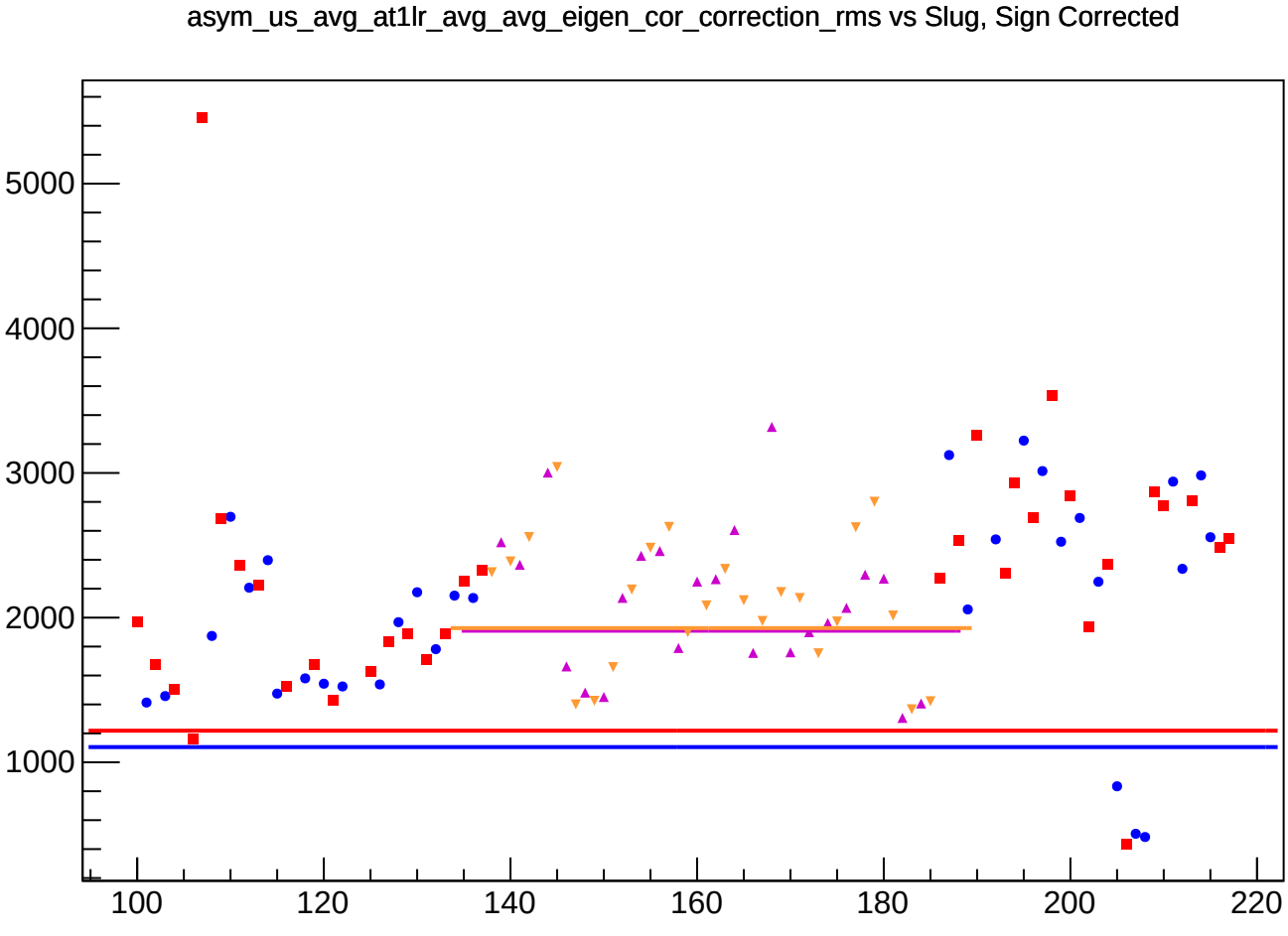
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

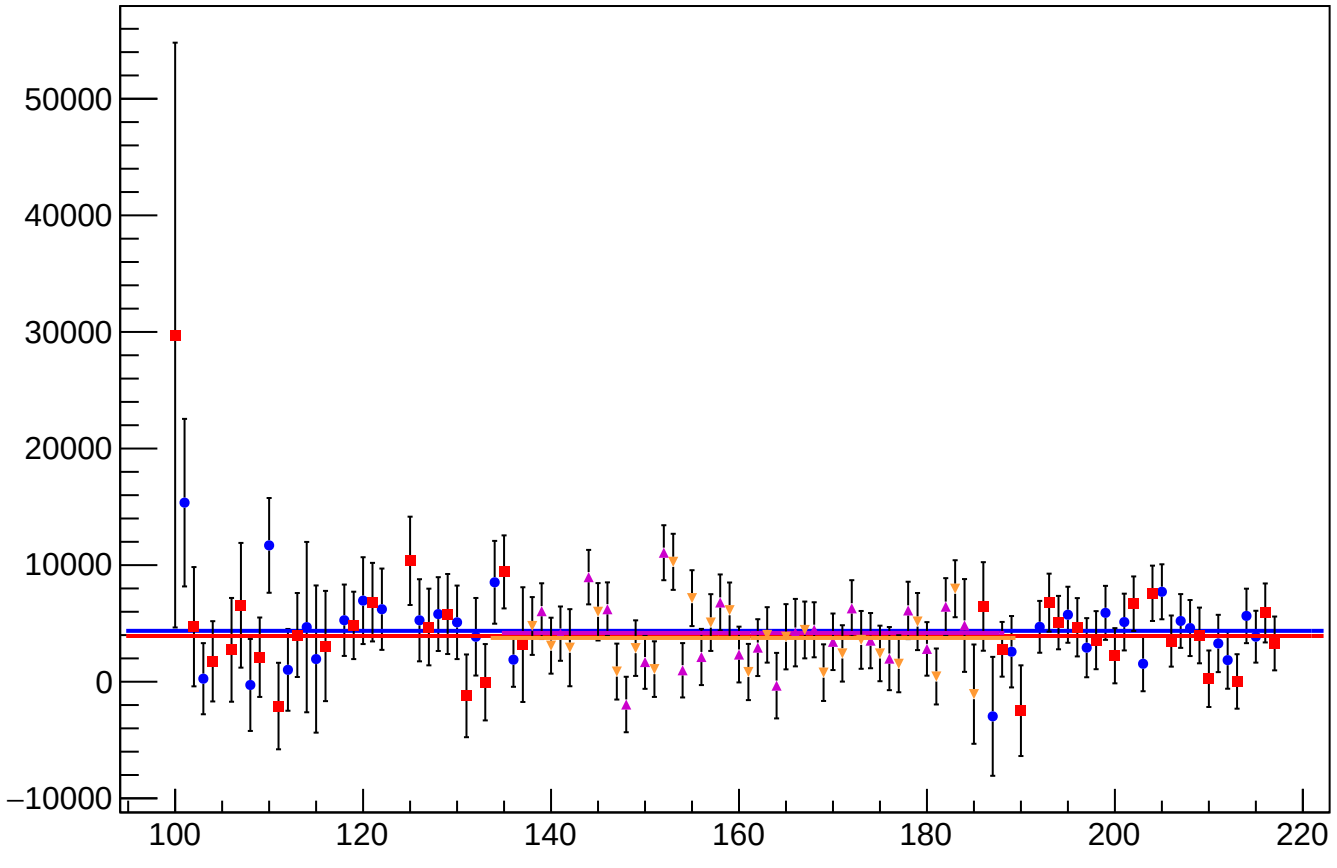
Right: -119.893+/-234.478 χ^2/NDF: 82.8/64

In: 136.917+/-262.108 χ^2/NDF:49.5/53

Out: -509.298+/-277.116 χ^2/NDF:74.9/57

All: -168.219+/-190.423 χ^2/NDF: 127.3/111


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1105.228+/-0.225 χ²/NDF: 12616836.0/30
Left Out: 1927.659+/-0.327 χ²/NDF:1798407.2/23
Right Out: 1218.512+/-0.245 χ²/NDF: 14235531.9/33
Left In: 1909.618+/-0.326 χ²/NDF:1942286.8/22
Left: 1918.605+/-0.231 χ²/NDF: 3742222.0/46
Right: 1157.202+/-0.166 χ²/NDF: 26968283.9/64
In: 1365.631+/-0.185 χ²/NDF:18682991.1/53
Out: 1473.227+/-0.196 χ²/NDF:19048550.6/57
All: 1416.436+/-0.135 χ²/NDF: 37890682.5/1



Right In: 4364.196+/-516.847 χ^2/NDF: 22.4/30

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 3923.323+/-508.260 χ^2/NDF: 30.7/33

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

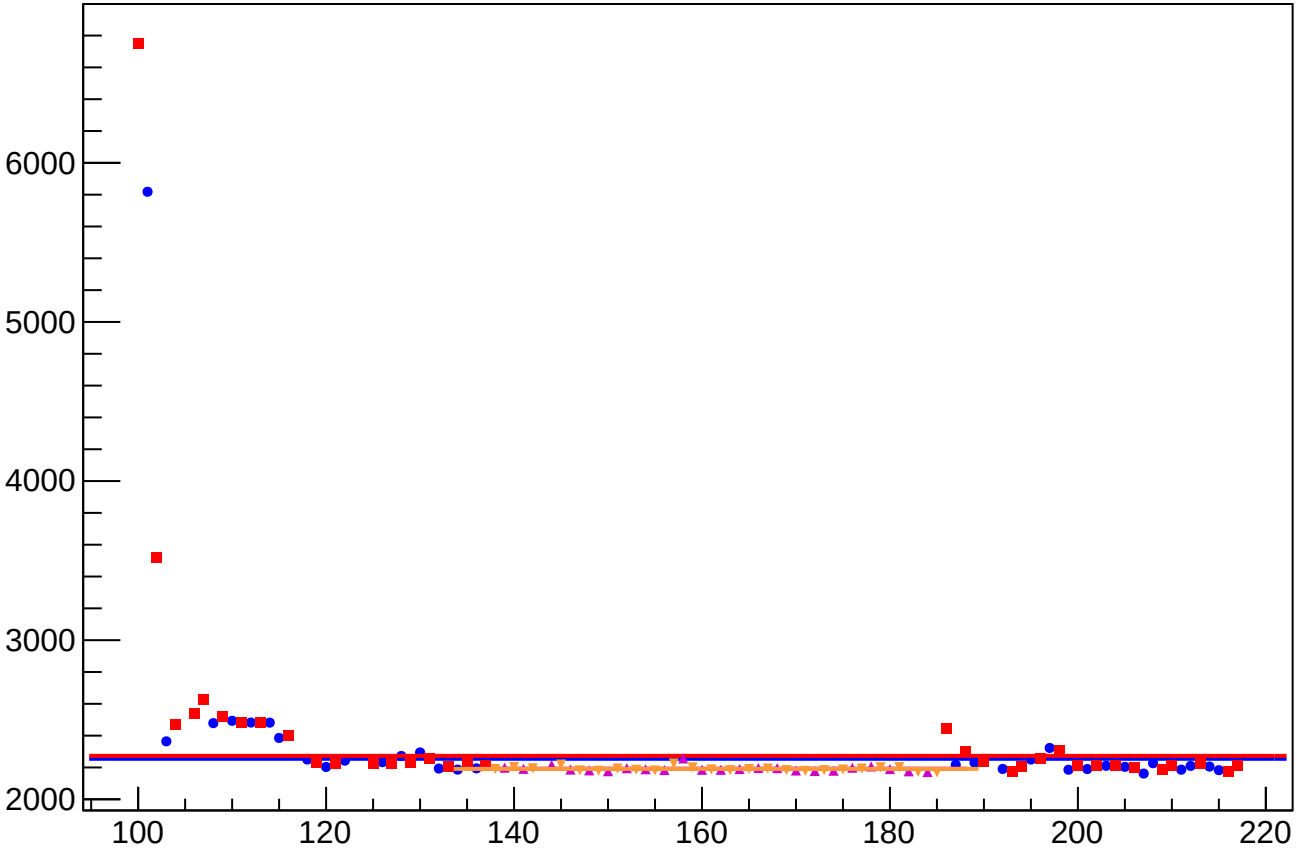
Right: 4140.066+/-362.392 χ^2/NDF: 53.4/64

In: 4273.333+/-363.691 χ^2/NDF:55.1/53

Out: 3838.745+/-359.503 χ^2/NDF:56.4/57

All: 4053.522+/-255.675 χ^2/NDF: 112.2/111

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



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: 2273.010+/-0.359 χ^2/NDF: 258781.1/33

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

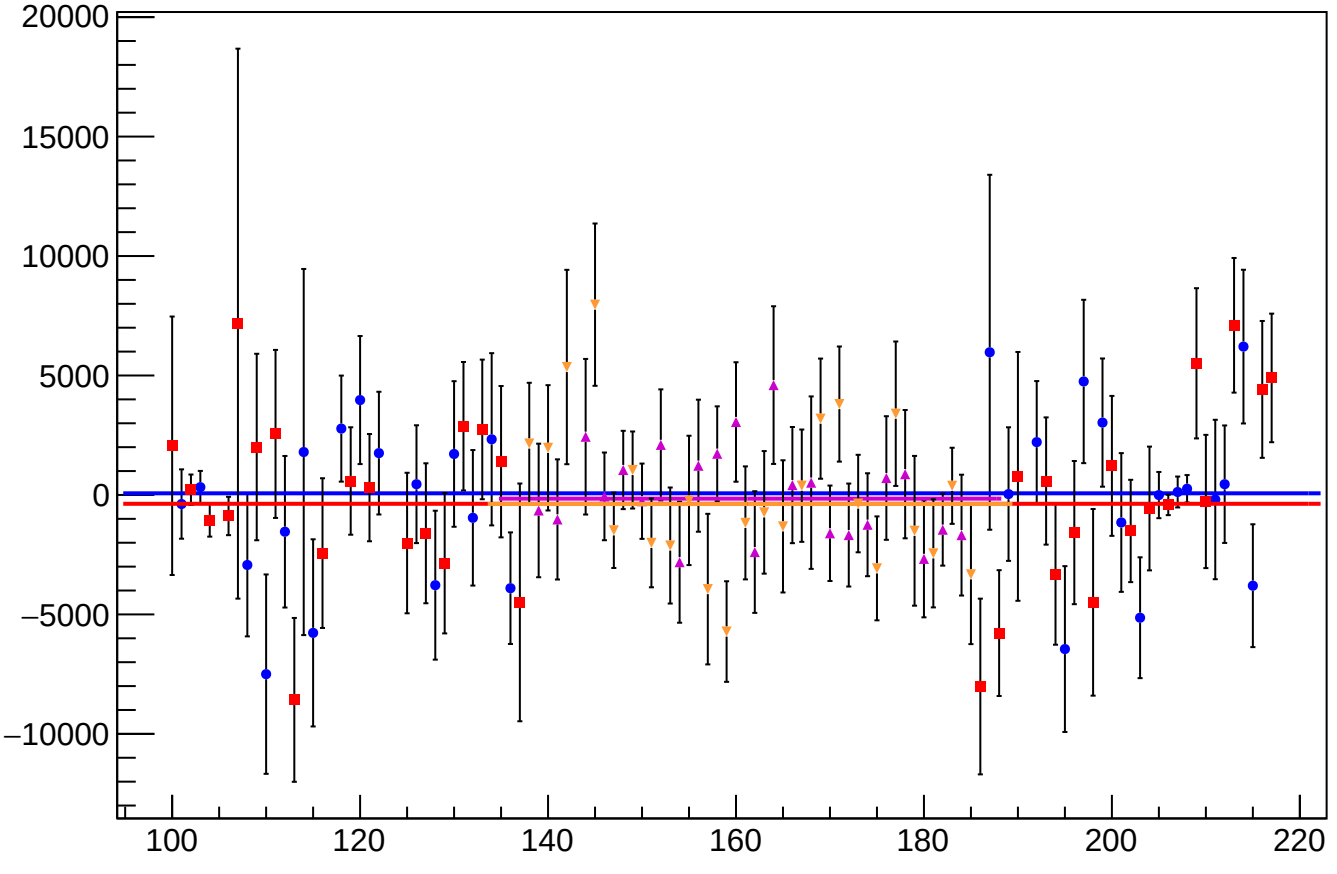
Right: 2263.930+/-0.256 χ^2/NDF: 799651.8/64

In: 2223.068+/-0.257 χ^2/NDF:556542.3/53

Out: 2232.103+/-0.254 χ^2/NDF:285936.7/57

All: 2227.638+/-0.181 χ^2/NDF: 843103.3/111

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 68.687+/-287.048 χ^2/NDF: 34.8/30

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -370.020+/-259.359 χ^2/NDF: 43.9/33

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

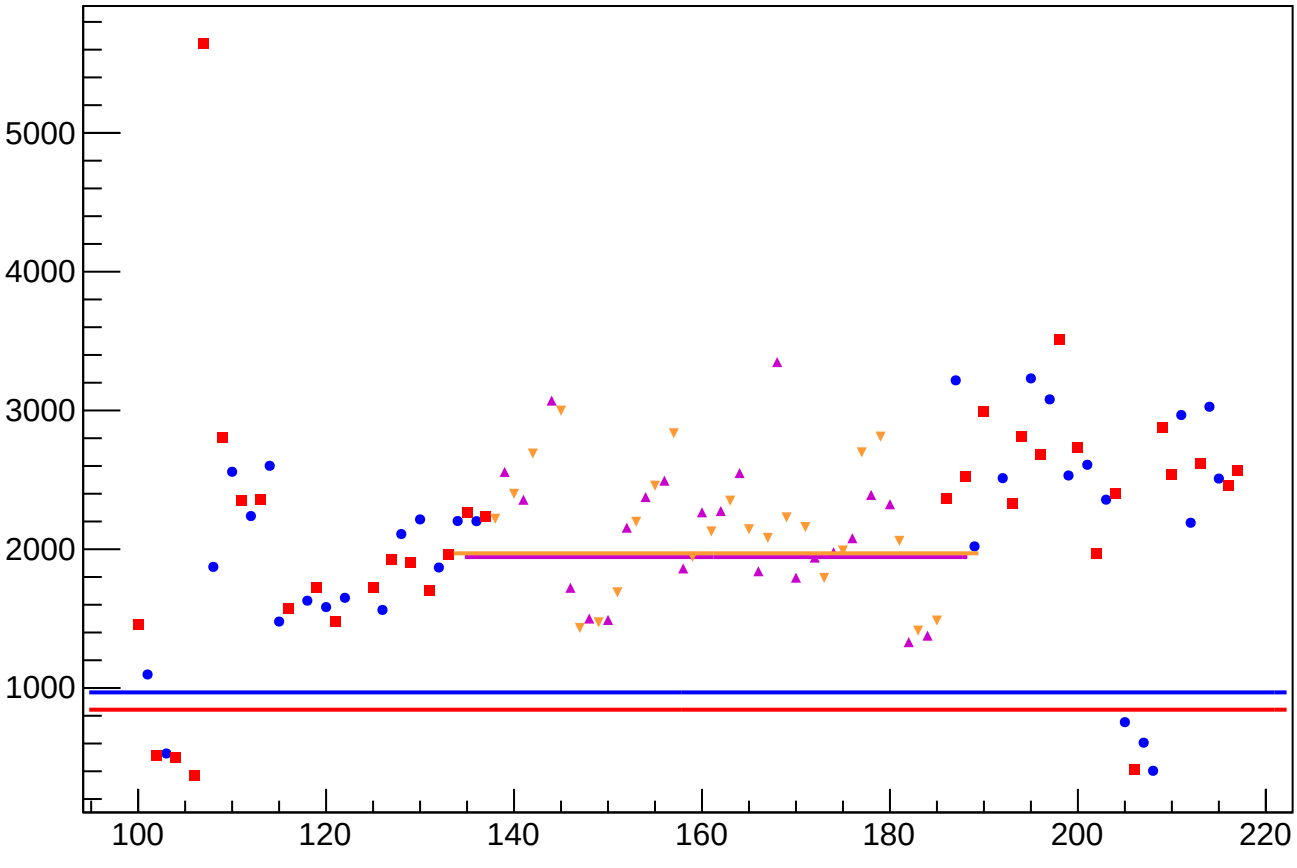
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -172.841+/-192.441 χ^2/NDF: 80.0/64

In: 7.673+/-244.689 χ^2/NDF:47.8/53

Out: -372.452+/-227.245 χ^2/NDF:74.7/57

All: -196.420+/-166.512 χ^2/NDF: 123.7/111



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: 843.790+/-0.183 χ^2/NDF: 18387188.1/33

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

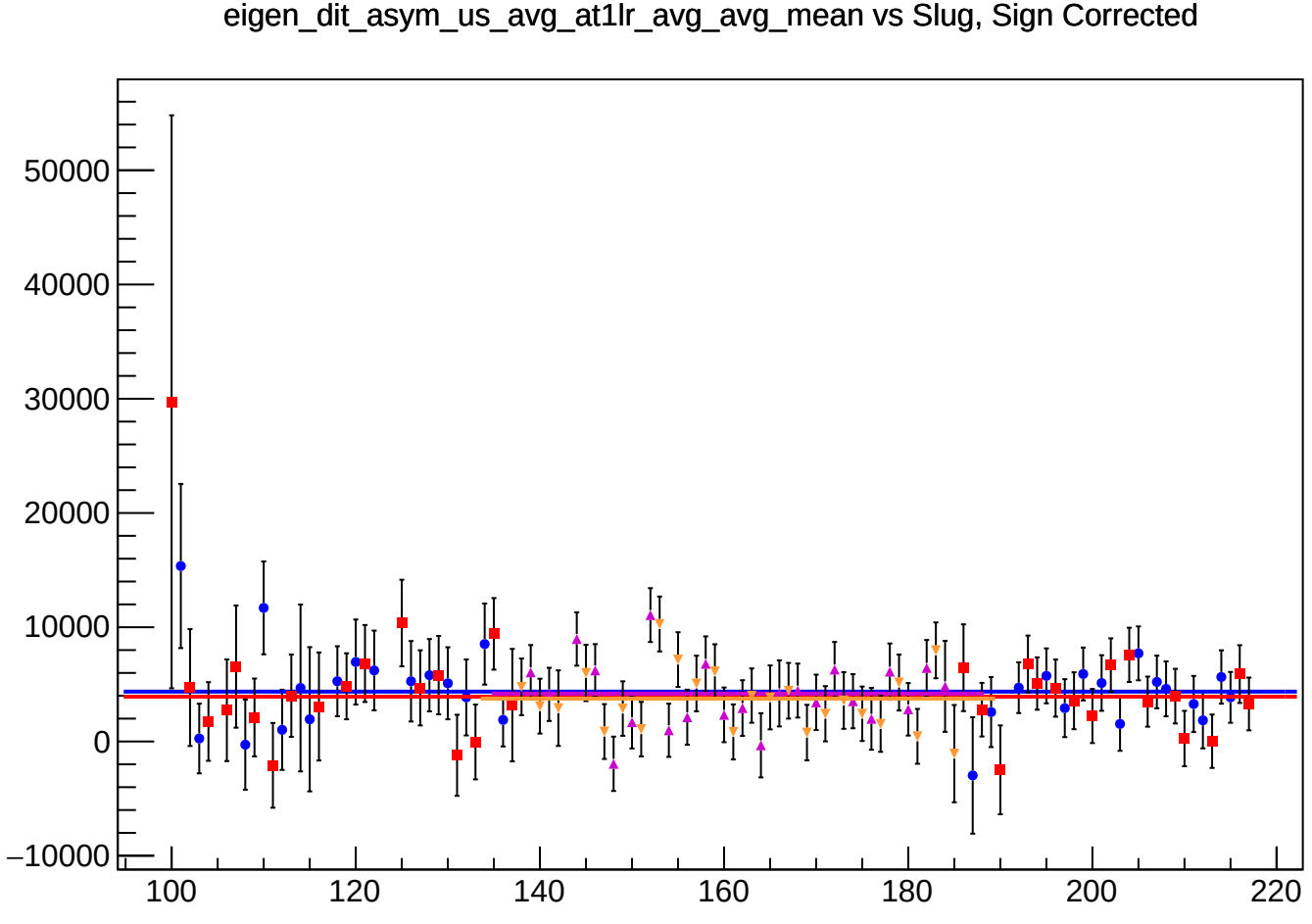
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 899.803+/-0.136 χ^2/NDF: 32657970.2/64

In: 1235.000+/-0.173 χ^2/NDF:22256570.0/53

Out: 1105.568+/-0.161 χ^2/NDF:28854536.8/57

All: 1165.507+/-0.118 χ^2/NDF: 51411568.3/1



Right In: 4364.195+/-516.847 χ^2/NDF: 22.4/30

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 3923.322+/-508.260 χ^2/NDF: 30.7/33

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

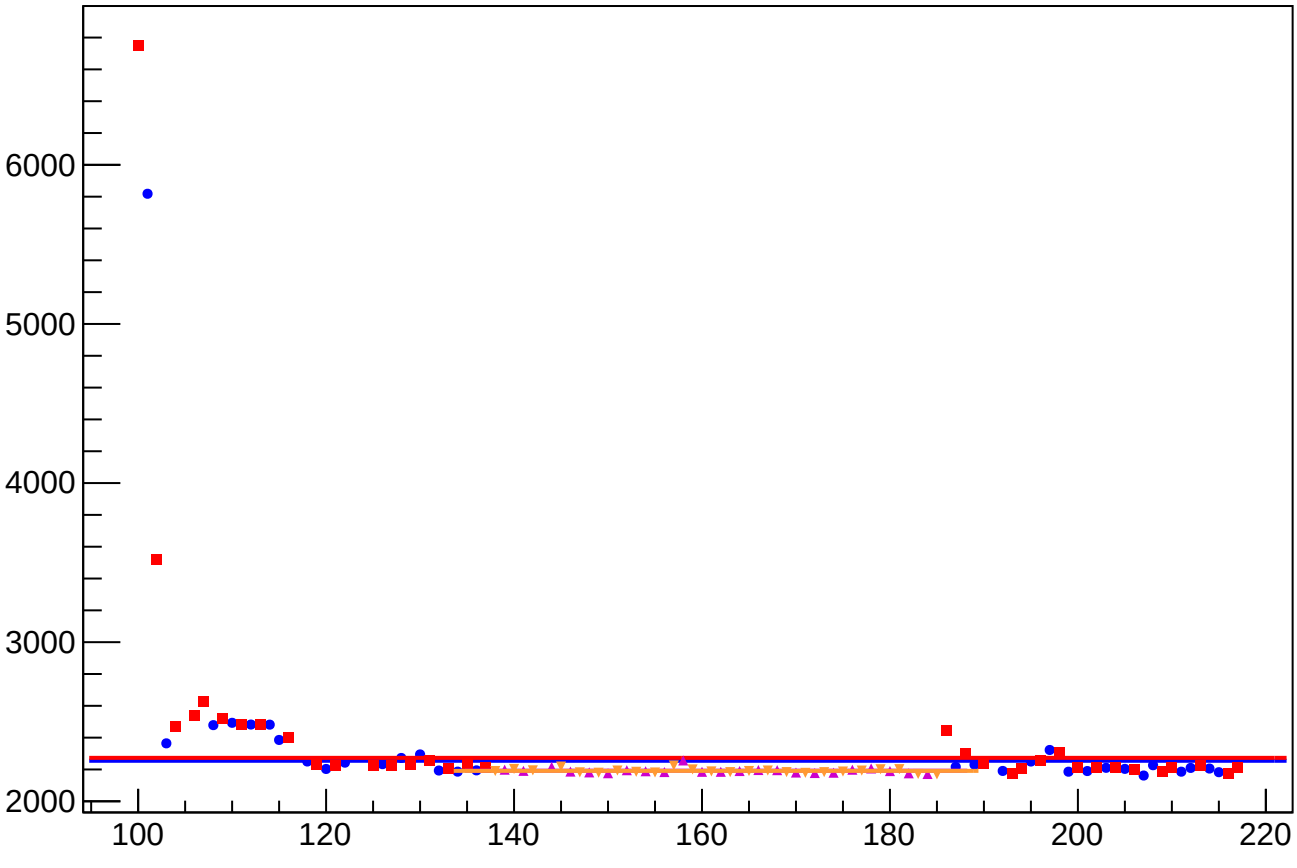
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4140.065+/-362.392 χ^2/NDF: 53.4/64

In: 4273.333+/-363.691 χ^2/NDF:55.1/53

Out: 3838.744+/-359.503 χ^2/NDF:56.4/57

All: 4053.522+/-255.675 χ^2/NDF: 112.2/111



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: 2273.010+/-0.359 χ^2/NDF: 258779.8/33

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

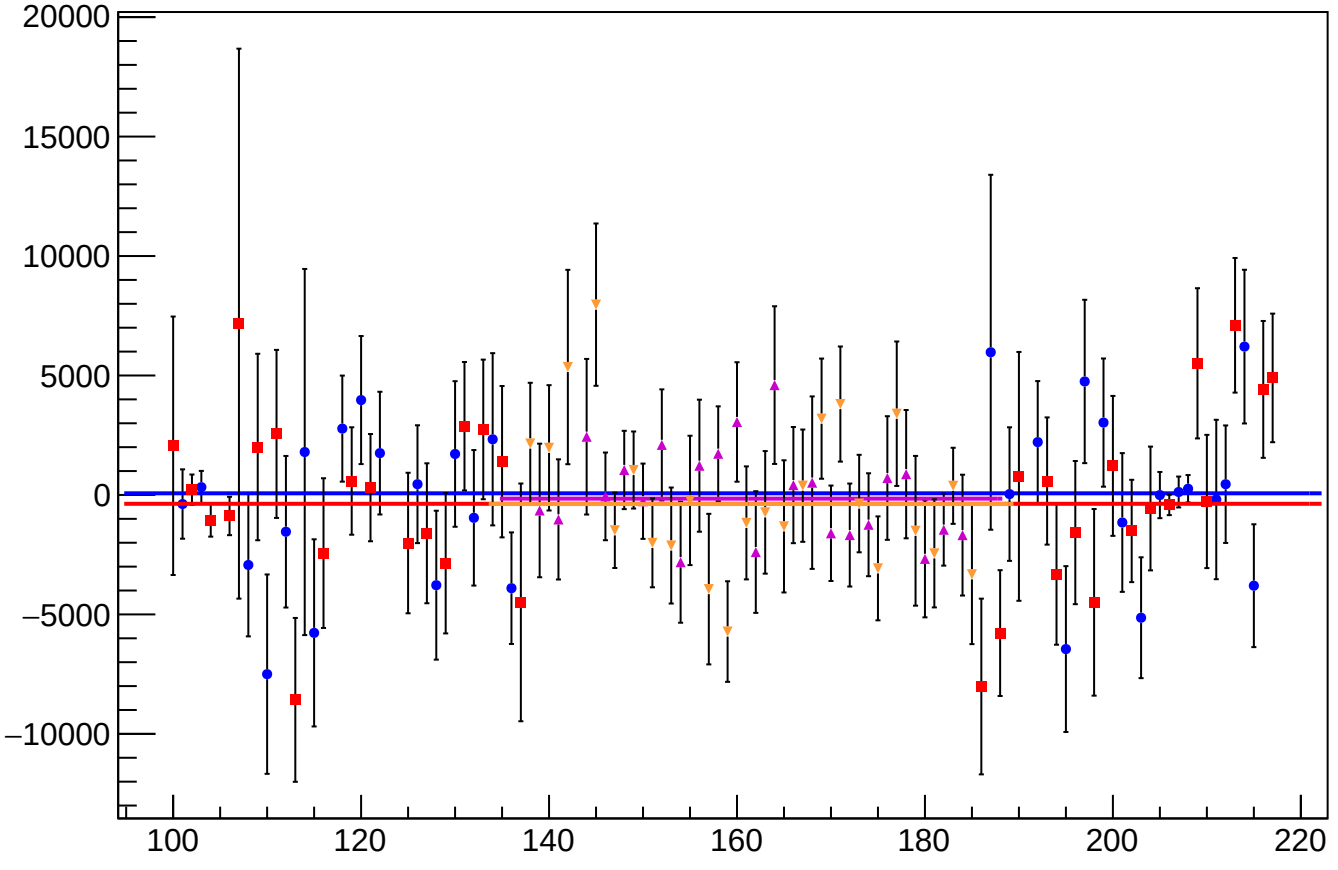
Right: 2263.929+/-0.256 χ^2/NDF: 799650.3/64

In: 2223.068+/-0.257 χ^2/NDF:556542.0/53

Out: 2232.103+/-0.254 χ^2/NDF:285935.3/57

All: 2227.638+/-0.181 χ^2/NDF: 843101.6/111

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: -370.016+/-259.360 χ^2/NDF: 43.9/33

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

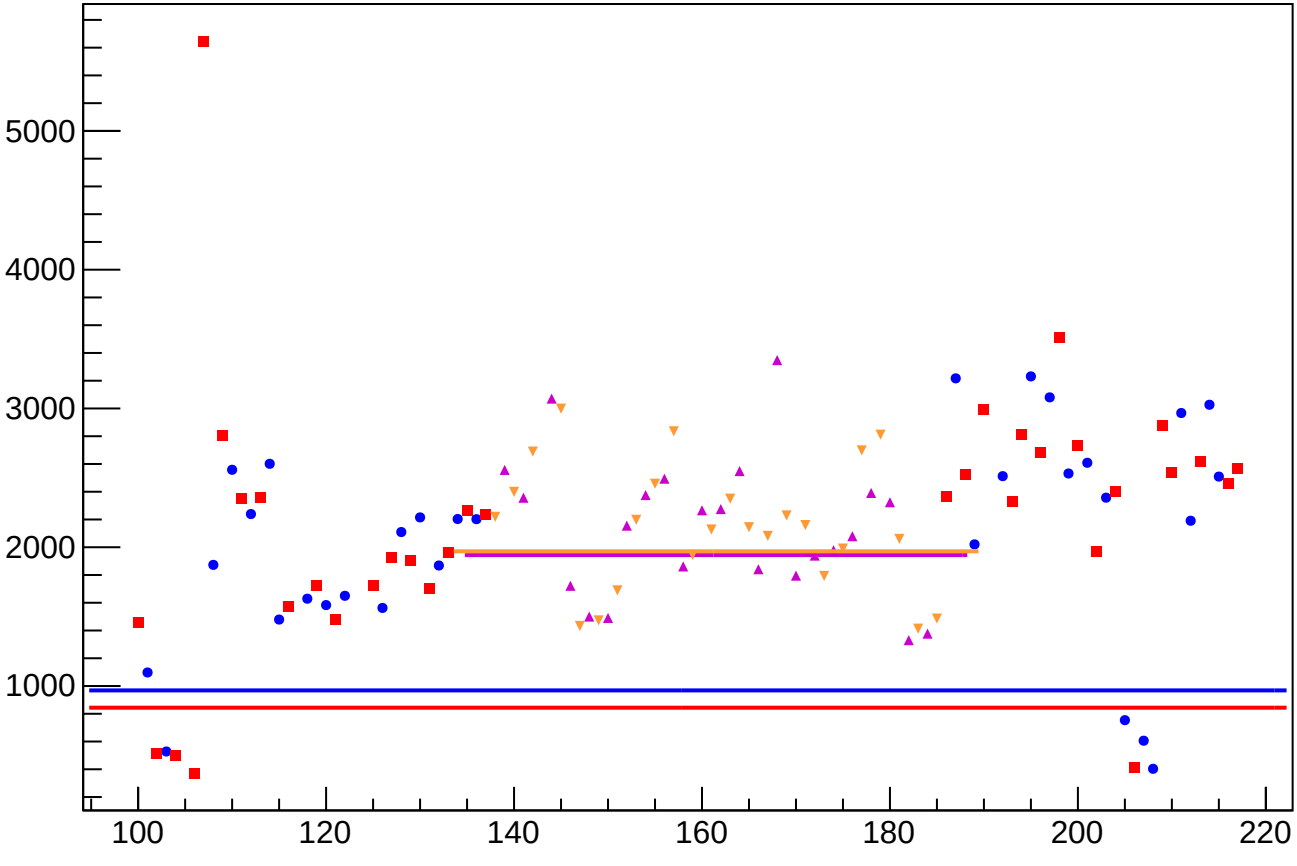
Right: -172.840+/-192.441 χ^2/NDF: 80.0/64

In: 7.671+/-244.689 χ^2/NDF:47.8/53

Out: -372.450+/-227.246 χ^2/NDF:74.7/57

All: -196.420+/-166.513 χ^2/NDF: 123.7/111

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: 843.795+/-0.183 χ^2/NDF: 18387106.6/33

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

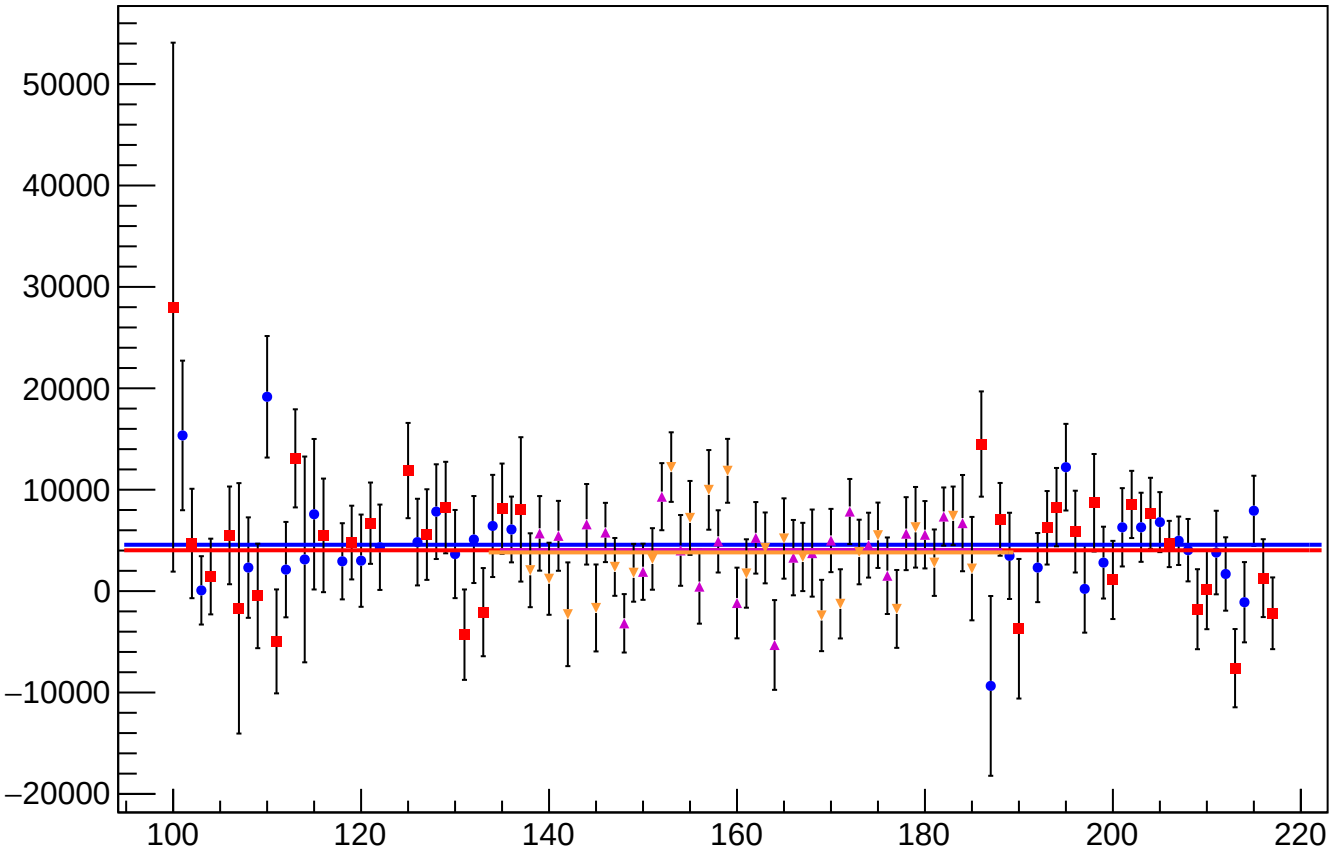
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 899.806+/-0.136 χ^2/NDF: 32657891.5/64

In: 1235.001+/-0.173 χ^2/NDF:22256618.6/53

Out: 1105.574+/-0.161 χ^2/NDF:28854392.6/57

All: 1165.510+/-0.118 χ^2/NDF: 51411447.3/1



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: 4026.413+/-720.837 χ^2/NDF: 48.2/33

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

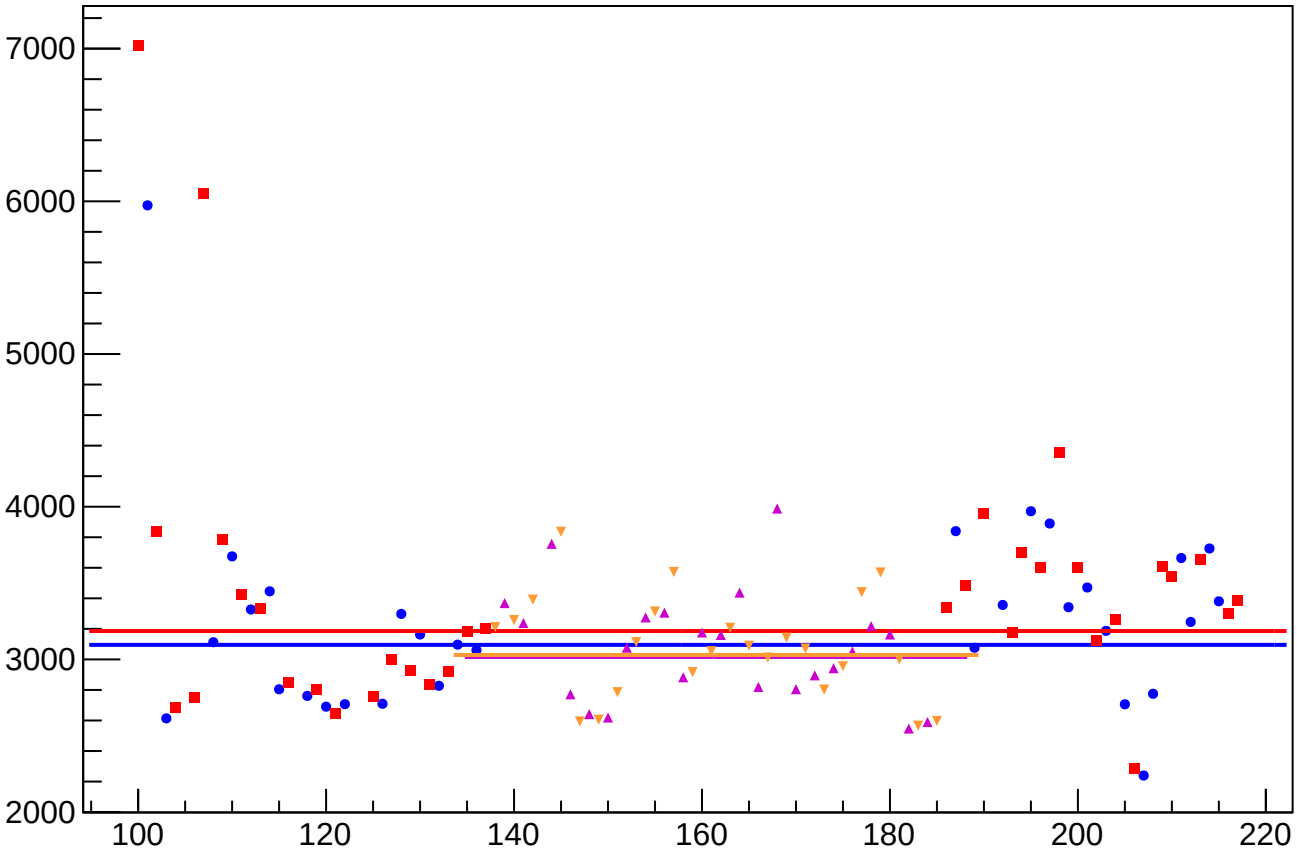
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4300.000+/-508.708 χ^2/NDF: 72.4/64

In: 4303.808+/-504.702 χ^2/NDF:46.7/53

Out: 3920.297+/-505.222 χ^2/NDF:79.1/57

All: 4112.250+/-357.062 χ^2/NDF: 126.1/111



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: 3185.900+/-0.510 χ^2/NDF: 1006241.3/33

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

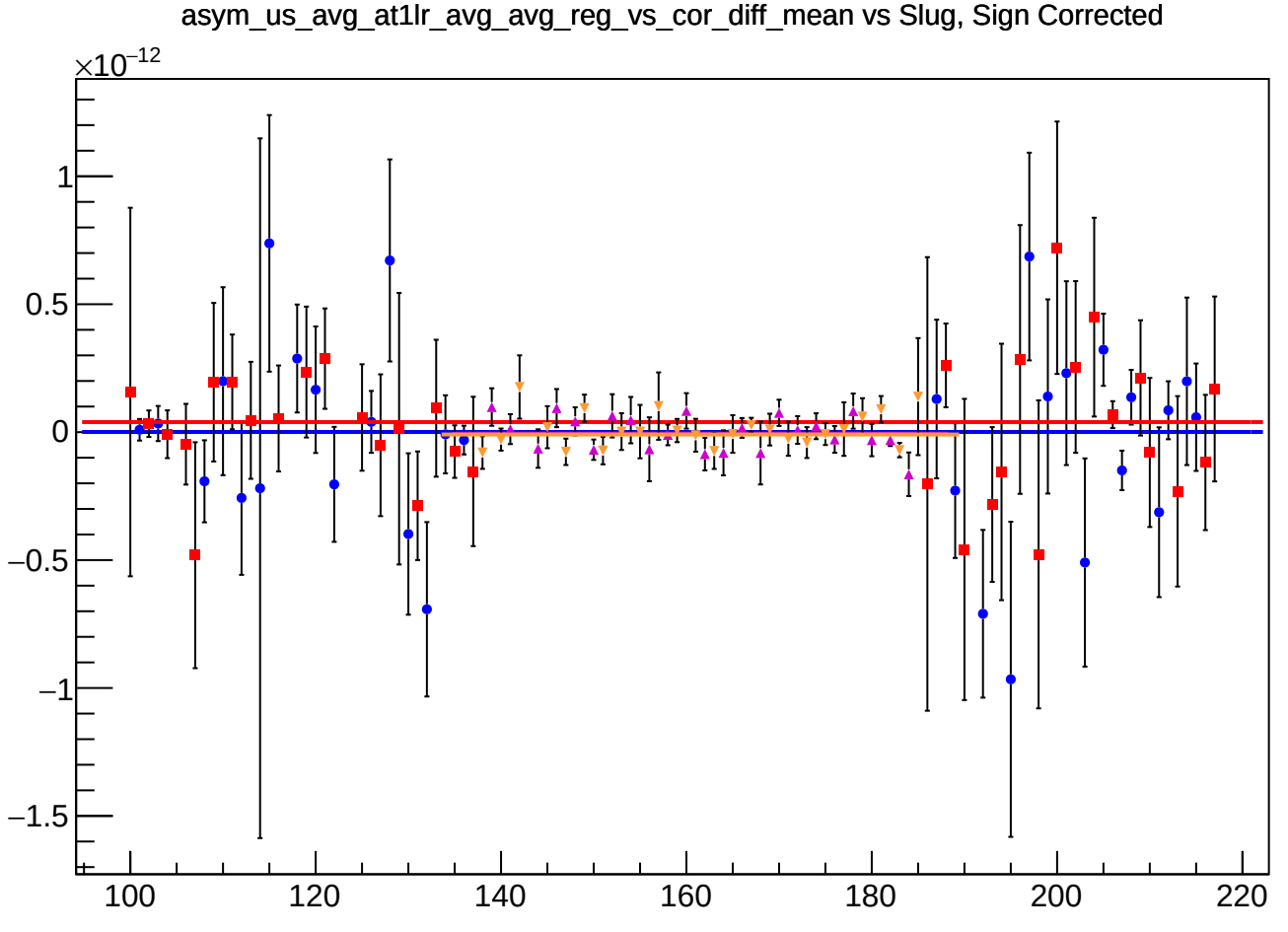
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3140.388+/-0.360 χ^2/NDF: 2100600.8/64

In: 3055.274+/-0.357 χ^2/NDF:1530616.4/53

Out: 3106.066+/-0.357 χ^2/NDF:1451570.5/57

All: 3080.644+/-0.252 χ^2/NDF: 2992304.5/11



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: 19.8/33

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

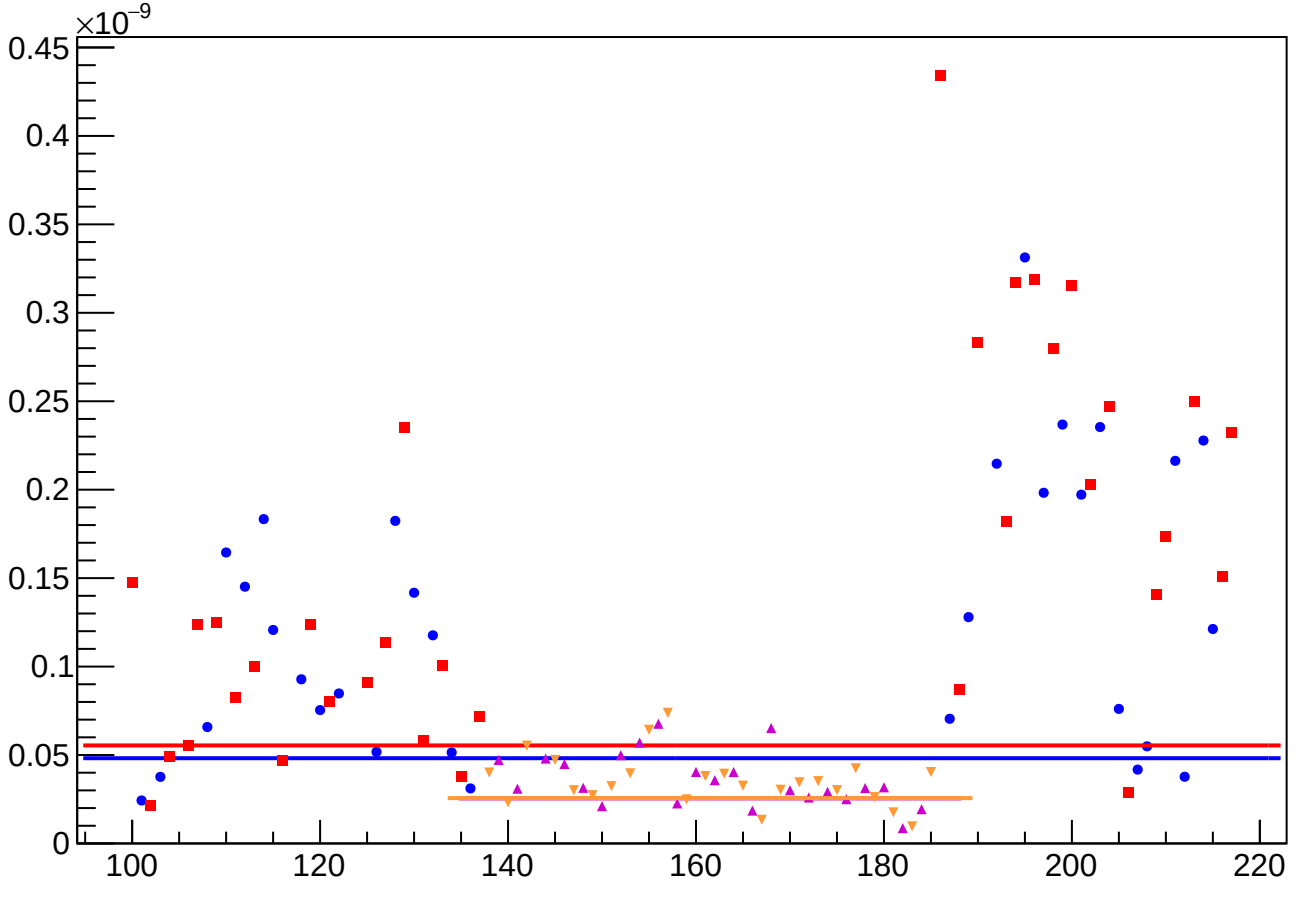
Right: 0.000+/-0.000 χ^2/NDF: 63.6/64

In: -0.000+/-0.000 χ^2/NDF:66.0/53

Out: -0.000+/-0.000 χ^2/NDF:46.7/57

All: -0.000+/-0.000 χ^2/NDF: 112.7/111

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: 8099815.3/33

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

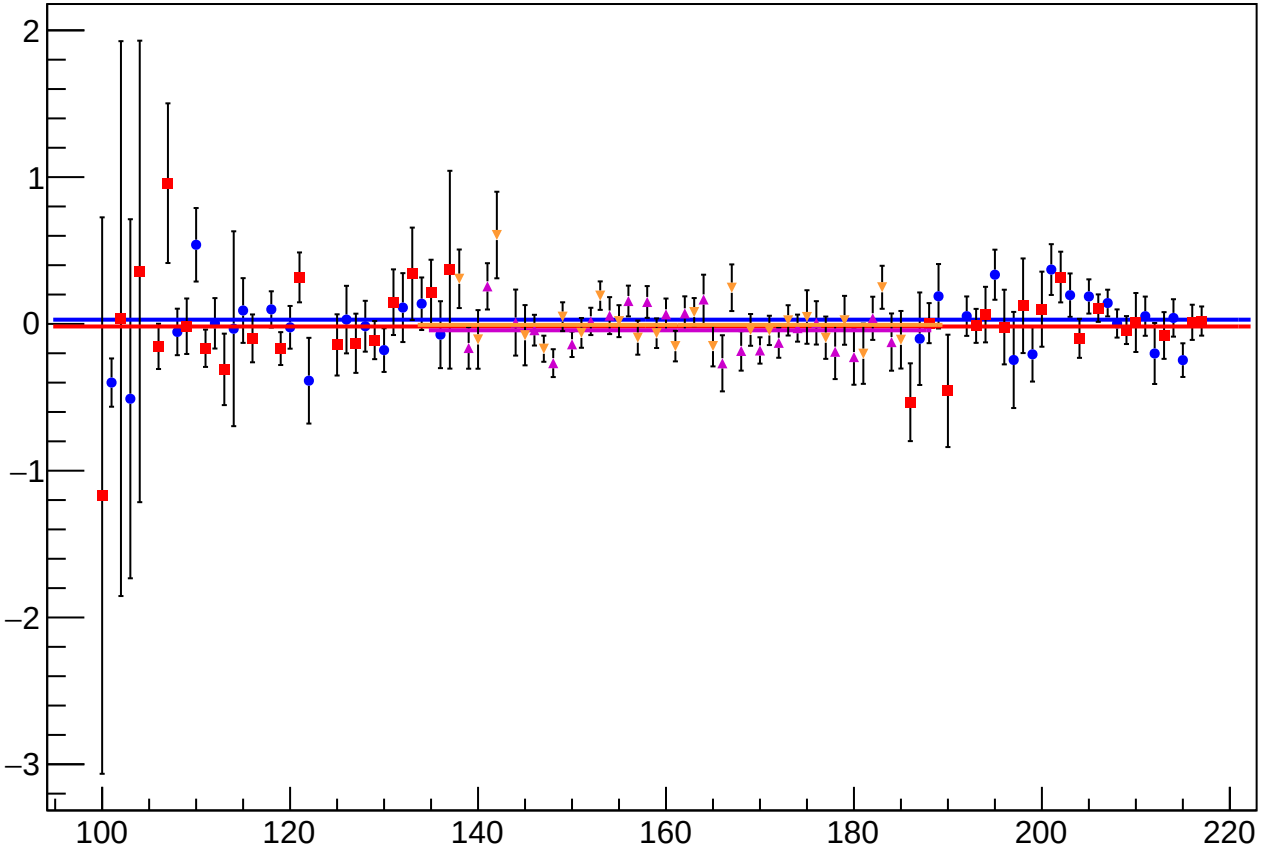
Right: 0.000+/-0.000 χ^2/NDF: 14350724.6/64

In: 0.000+/-0.000 χ^2/NDF:10520625.6/53

Out: 0.000+/-0.000 χ^2/NDF:12581662.2/57

All: 0.000+/-0.000 χ^2/NDF: 23102650.4/111

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: -0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

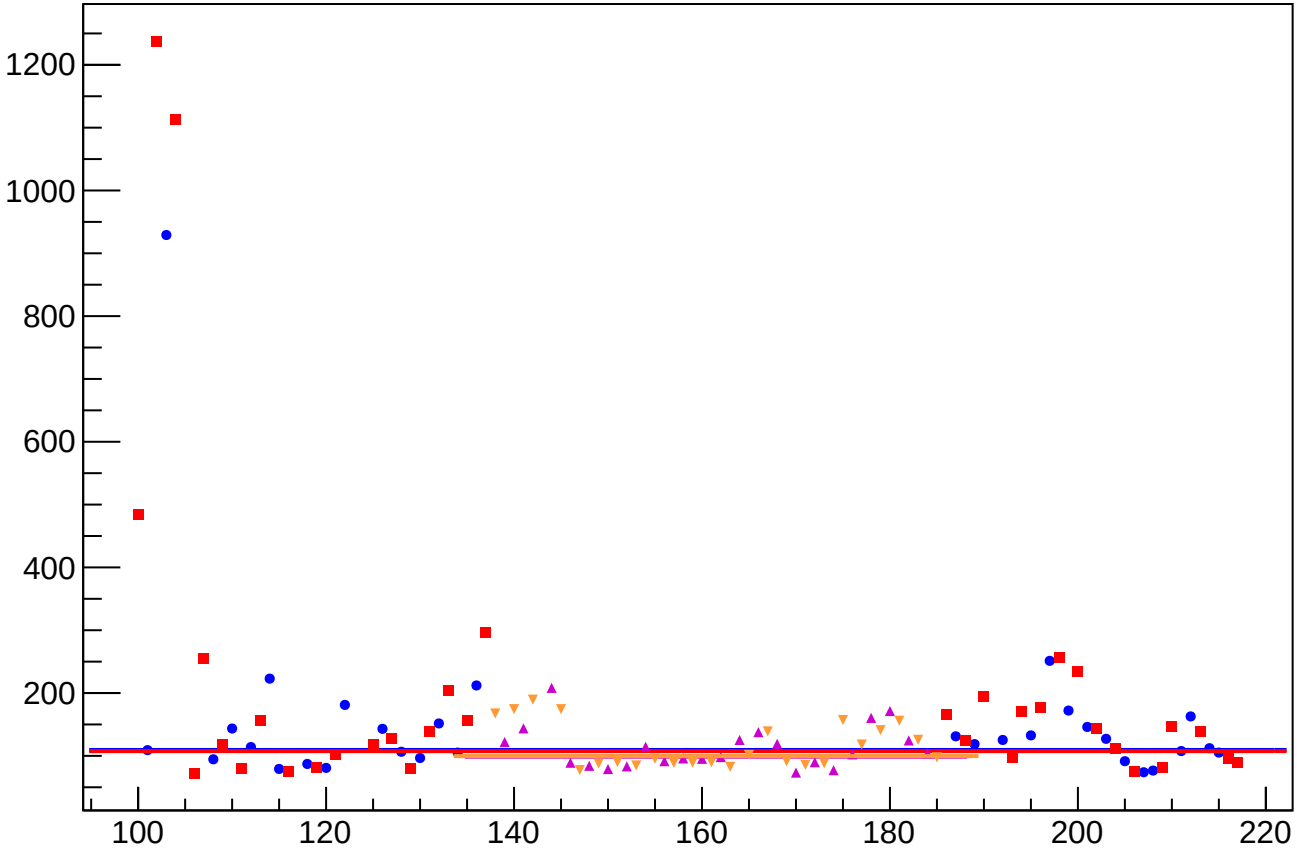
Right: 0.005+/-0.020 χ^2/NDF: 69.7/64

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.011+/-0.019 χ^2/NDF:57.5/57

All: -0.012+/-0.013 χ^2/NDF: 130.0/111

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.390+/-0.020 χ^2/NDF: 3363359.0/30

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.550+/-0.020 χ^2/NDF: 5089565.0/33

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

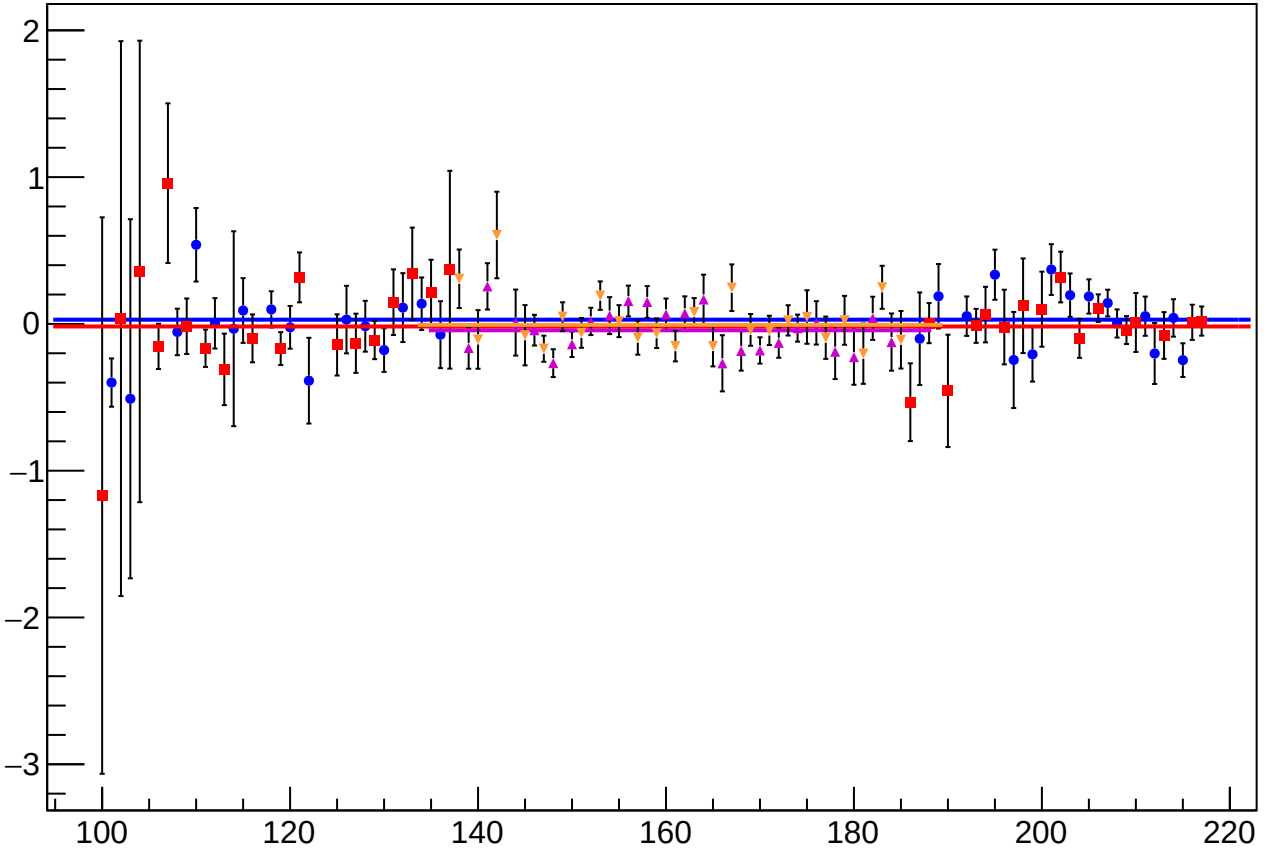
Right: 108.457+/-0.014 χ^2/NDF: 8457038.6/64

In: 103.273+/-0.013 χ^2/NDF:5523920.2/53

Out: 103.103+/-0.013 χ^2/NDF:7247781.2/57

All: 103.188+/-0.009 χ^2/NDF: 12771782.9/1

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: -0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

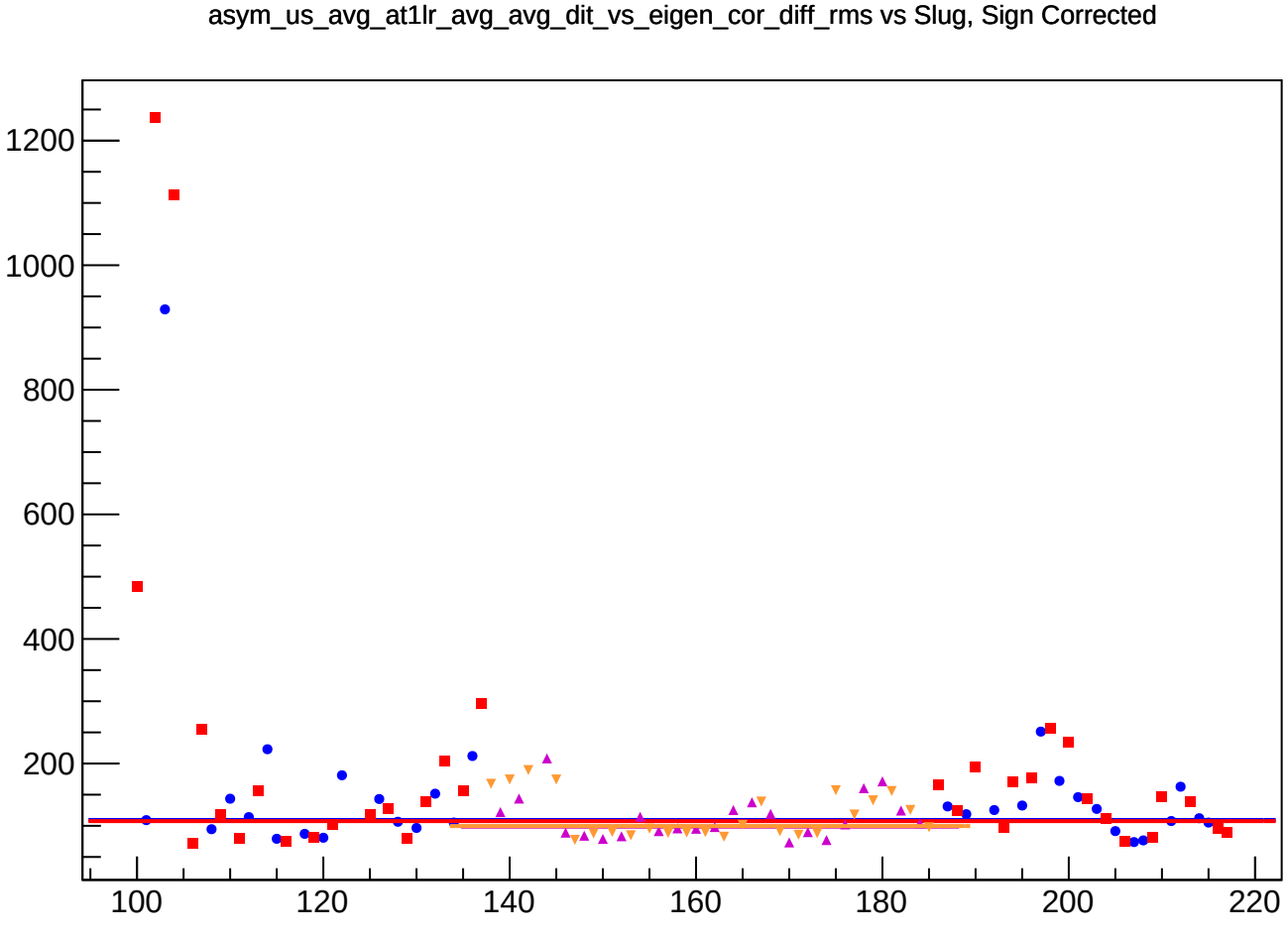
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.005+/-0.020 χ^2/NDF: 69.7/64

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.011+/-0.019 χ^2/NDF:57.5/57

All: -0.012+/-0.013 χ^2/NDF: 130.0/111



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: 107.550+/-0.020 χ^2/NDF: 5089565.0/33

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

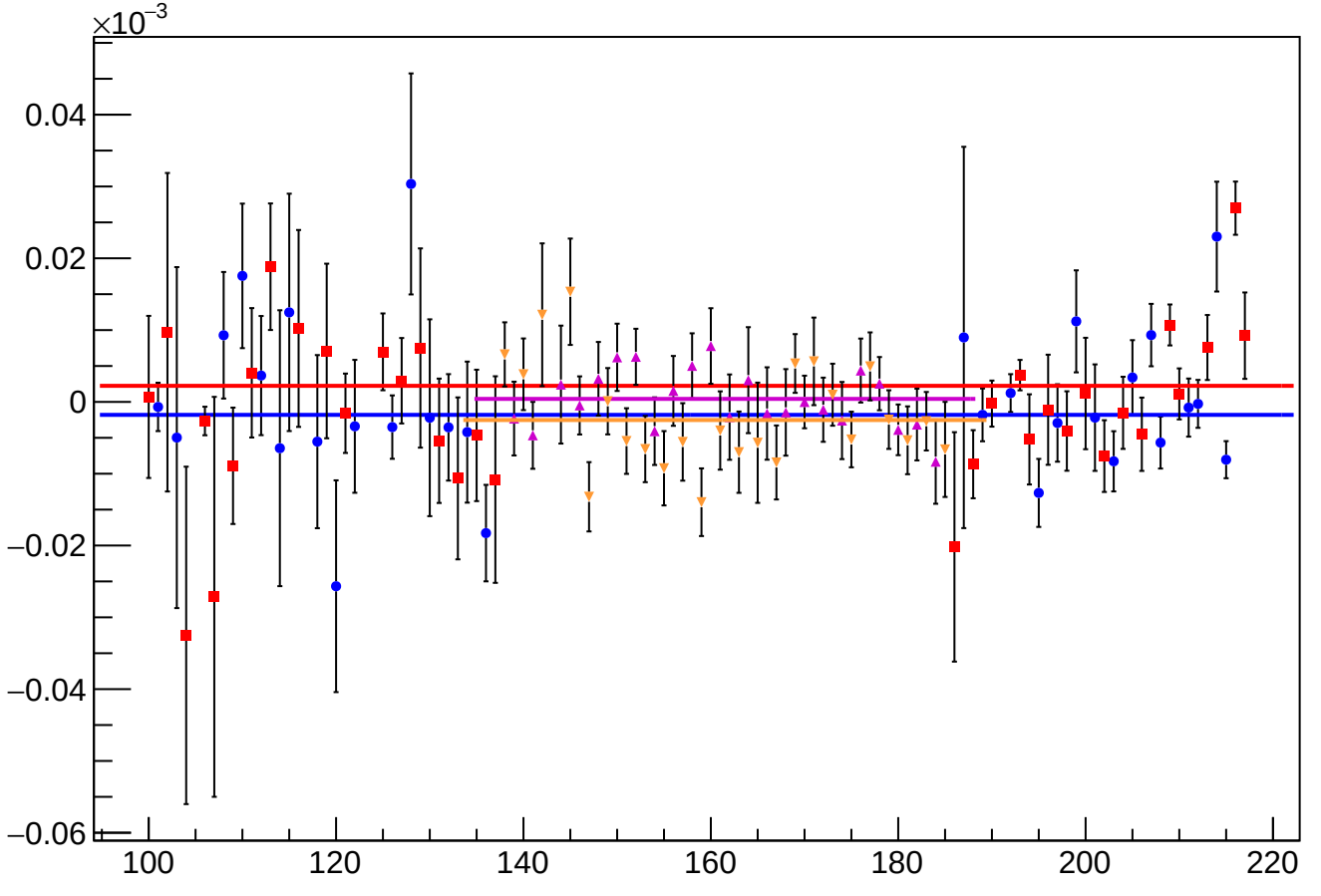
Right: 108.457+/-0.014 χ^2/NDF: 8457038.6/64

In: 103.273+/-0.013 χ^2/NDF:5523920.2/53

Out: 103.103+/-0.013 χ^2/NDF:7247781.2/57

All: 103.188+/-0.009 χ^2/NDF: 12771782.9/1

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 57.9/30

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 94.0/33

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

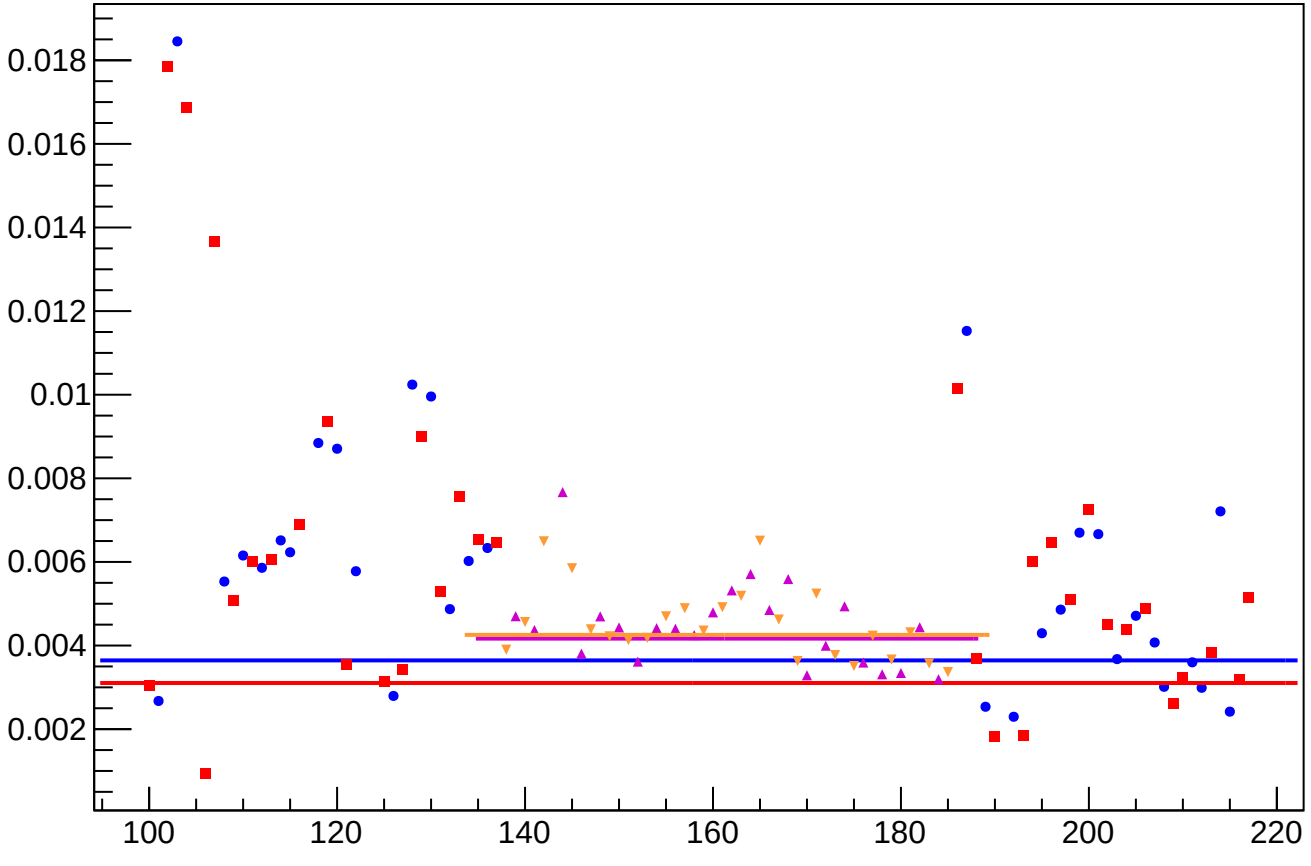
Right: 0.000+/-0.000 χ^2/NDF: 162.2/64

In: -0.000+/-0.000 χ^2/NDF:76.5/53

Out: 0.000+/-0.000 χ^2/NDF:147.2/57

All: -0.000+/-0.000 χ^2/NDF: 224.9/111

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 6317632.1/30

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10640056.9/33

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

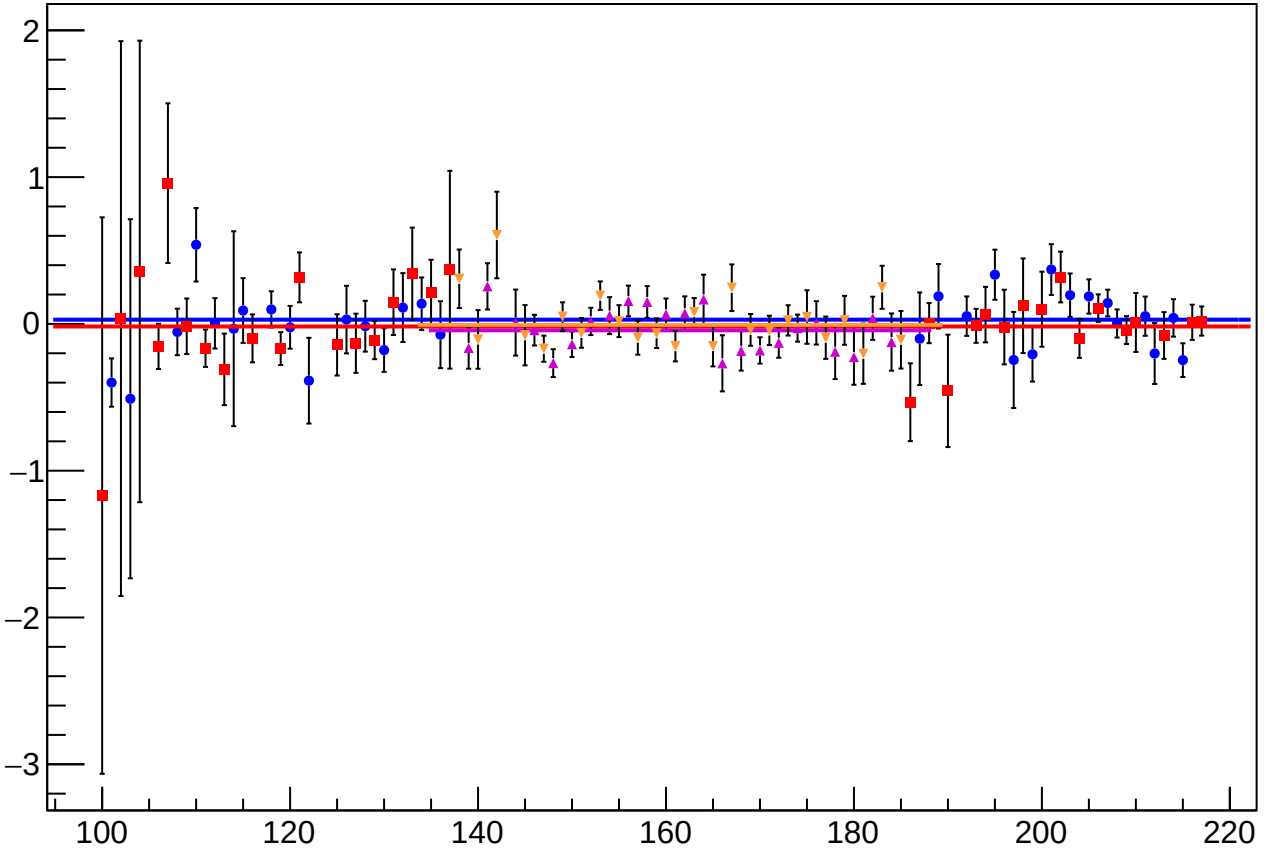
Right: 0.003+/-0.000 χ^2/NDF: 17324354.6/64

In: 0.004+/-0.000 χ^2/NDF:7886790.1/53

Out: 0.004+/-0.000 χ^2/NDF:12992089.8/57

All: 0.004+/-0.000 χ^2/NDF: 21094757.2/111

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.029 χ^2/NDF: 38.6/30

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

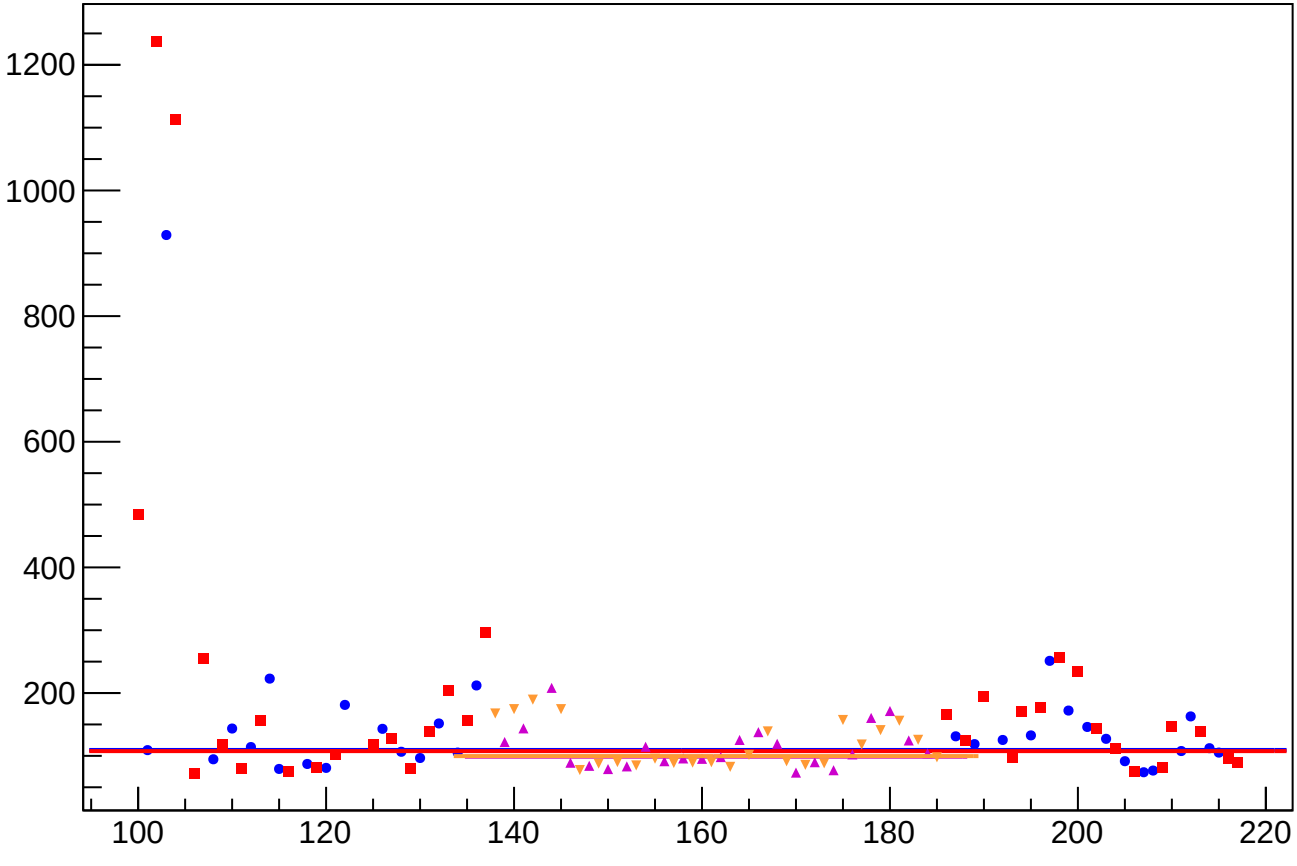
Right: 0.005+/-0.020 χ^2/NDF: 69.7/64

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.011+/-0.019 χ^2/NDF:57.5/57

All: -0.012+/-0.013 χ^2/NDF: 130.0/111

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: 107.550+/-0.020 χ^2/NDF: 5089543.4/33

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

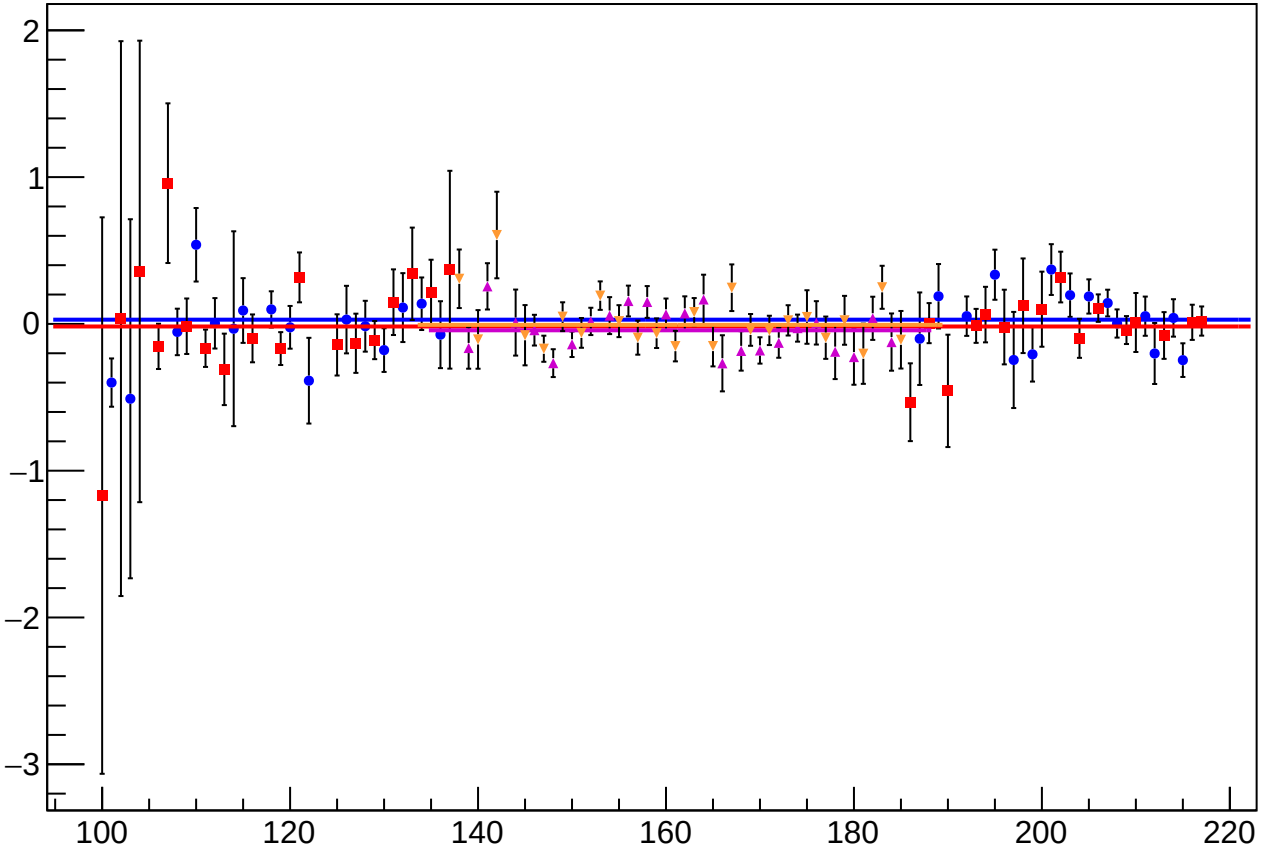
Right: 108.457+/-0.014 χ^2/NDF: 8456943.3/64

In: 103.274+/-0.013 χ^2/NDF:5523800.5/53

Out: 103.103+/-0.013 χ^2/NDF:7247703.2/57

All: 103.188+/-0.009 χ^2/NDF: 12771585.2/11

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: -0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

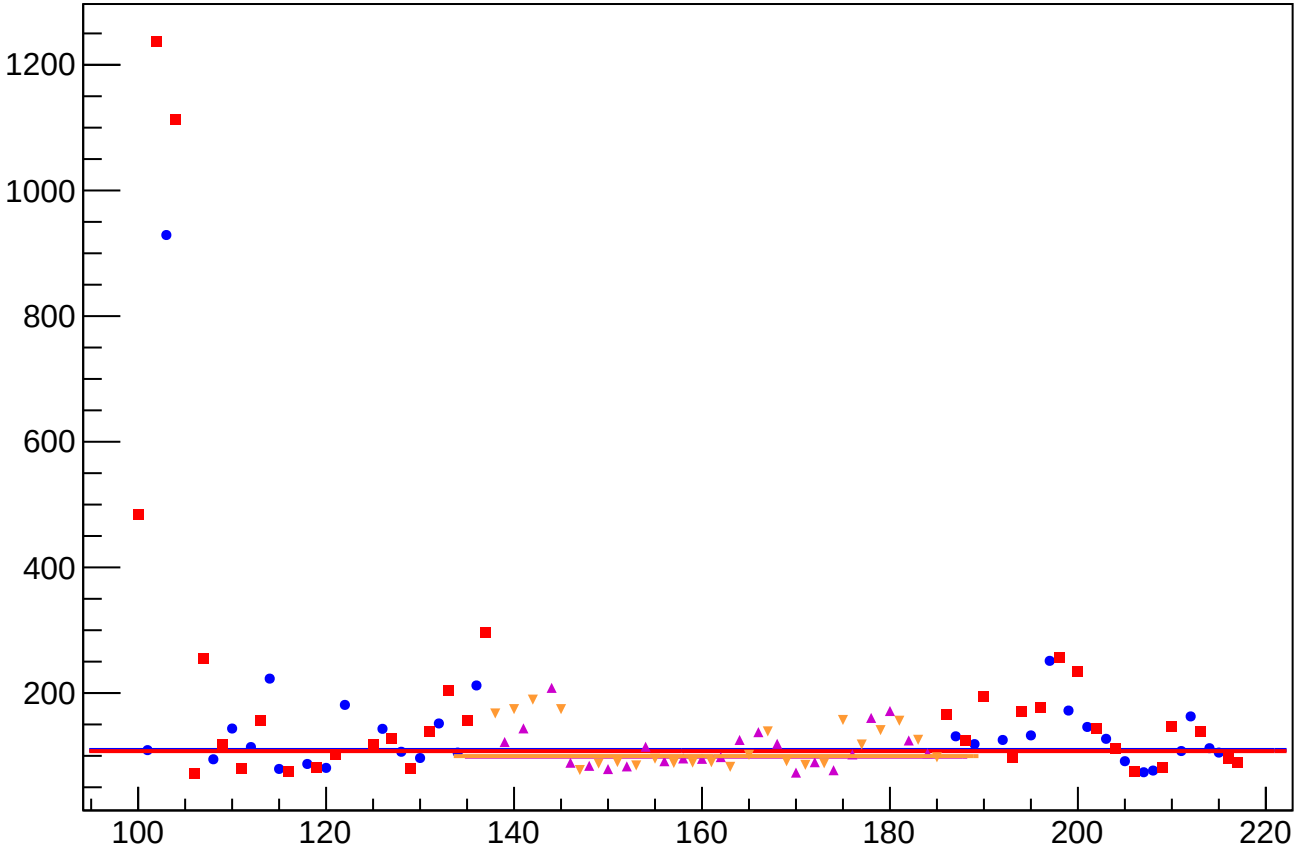
Right: 0.005+/-0.020 χ^2/NDF: 69.7/64

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.011+/-0.019 χ^2/NDF:57.5/57

All: -0.012+/-0.013 χ^2/NDF: 130.0/111

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: 107.550+/-0.020 χ^2/NDF: 5089543.4/33

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

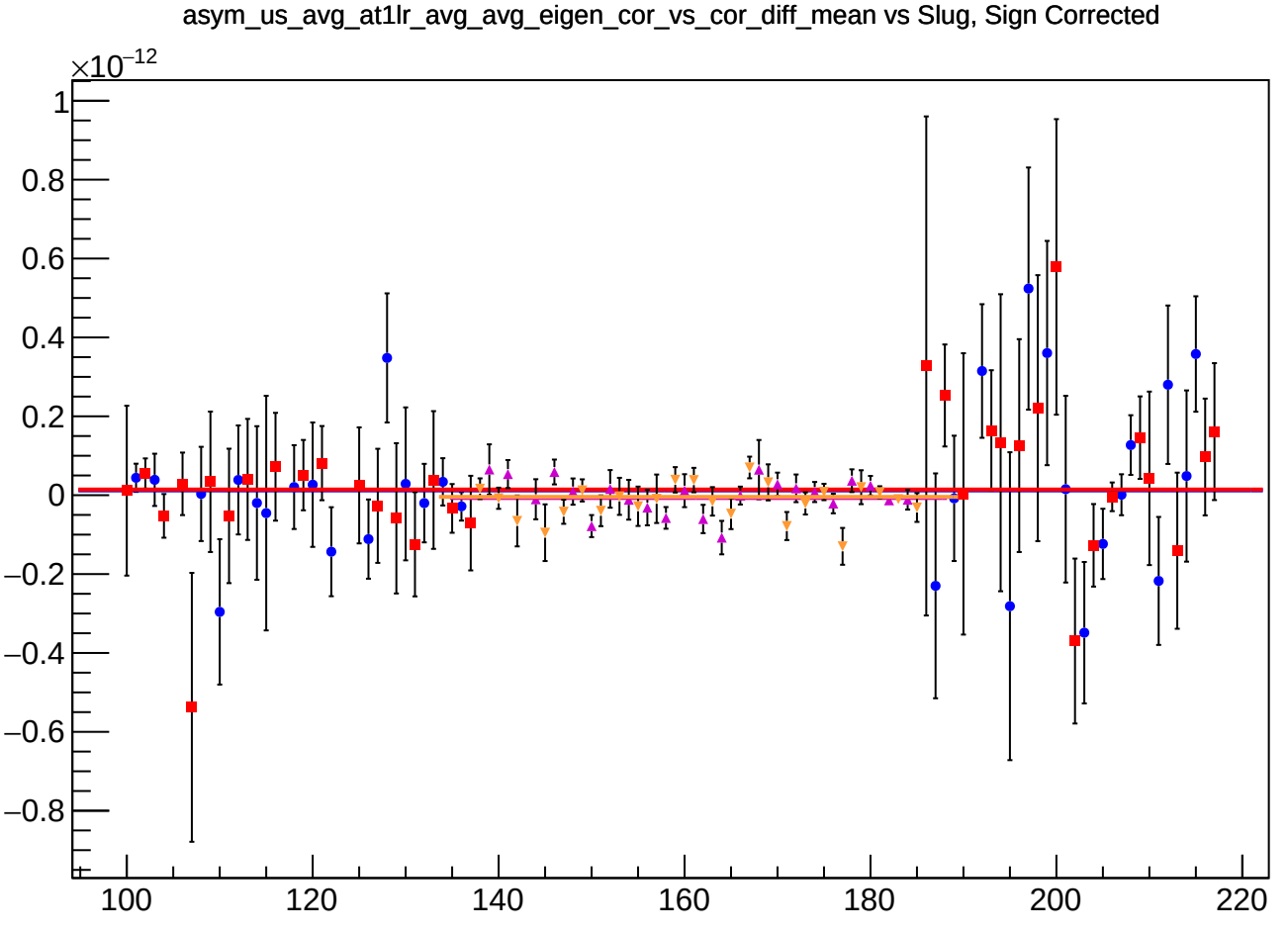
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

Right: 108.457+/-0.014 χ^2/NDF: 8456943.3/64

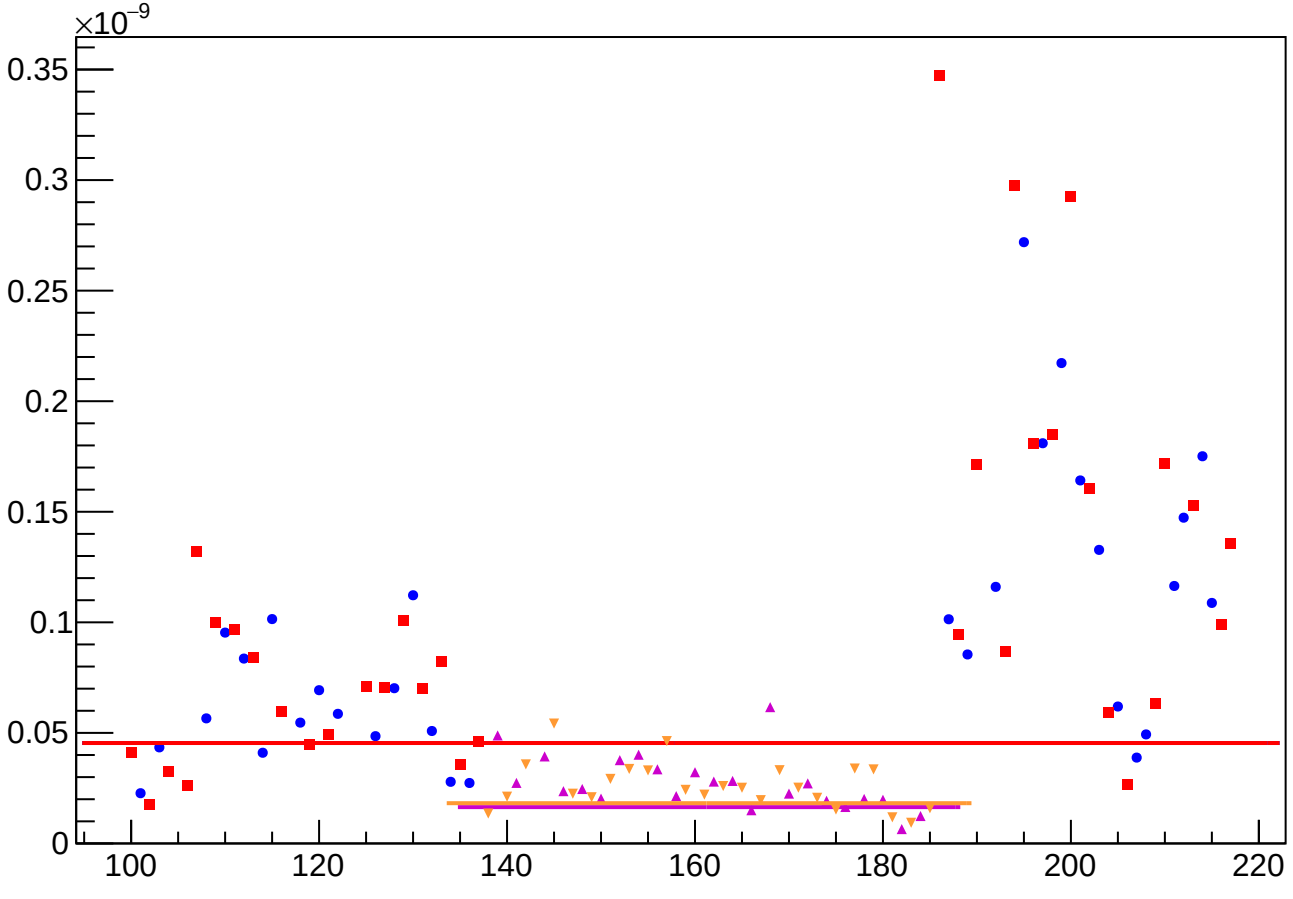
In: 103.274+/-0.013 χ^2/NDF:5523800.5/53

Out: 103.103+/-0.013 χ^2/NDF:7247703.2/57

All: 103.188+/-0.009 χ^2/NDF: 12771585.2/1


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 39.9/30
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.0/33
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: 64.9/64
In: -0.000+/-0.000 χ²/NDF:76.3/53
Out: -0.000+/-0.000 χ²/NDF:59.0/57
All: -0.000+/-0.000 χ²/NDF: 135.4/111

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: 9452341.8/33

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

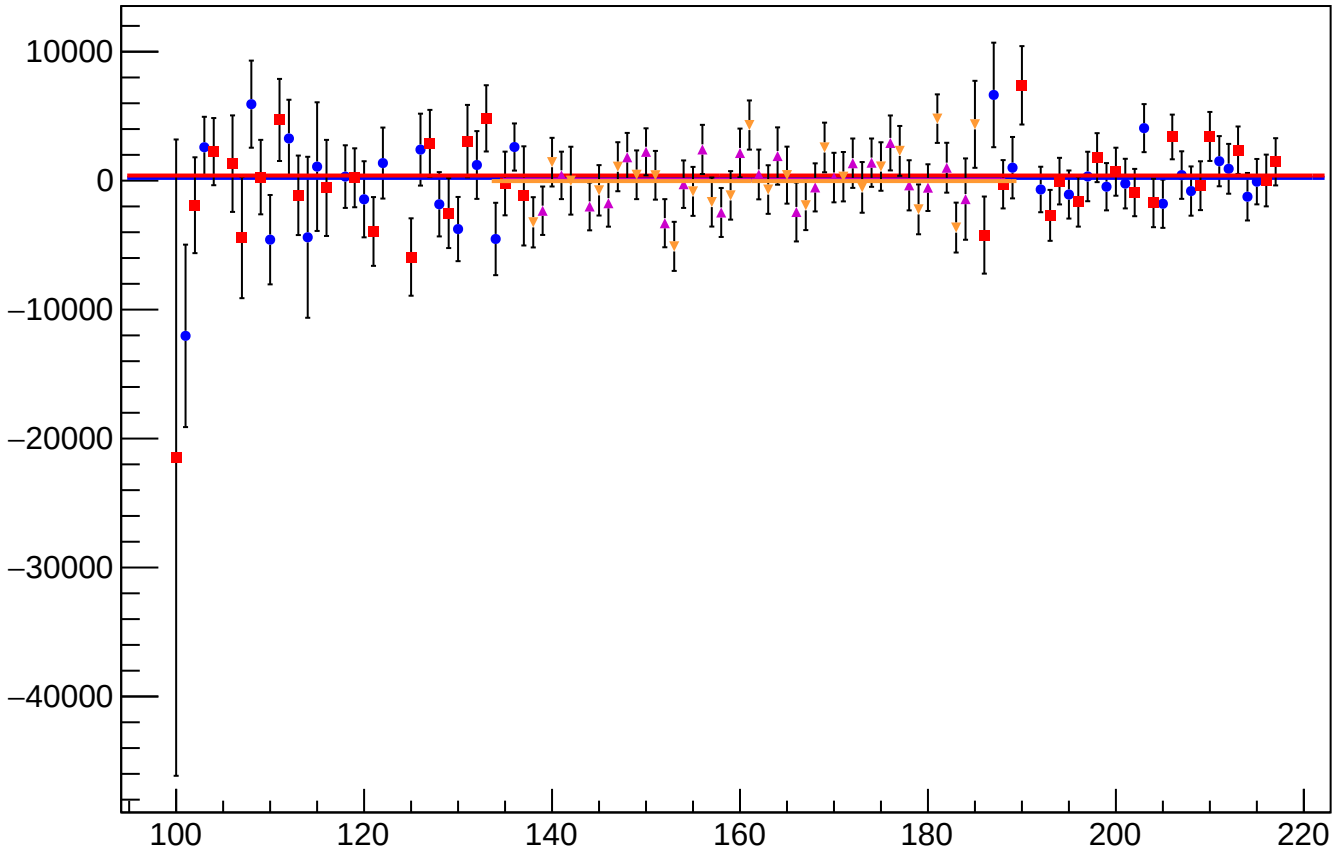
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 17119631.6/64

In: 0.000+/-0.000 χ^2/NDF:20269408.0/53

Out: 0.000+/-0.000 χ^2/NDF:18253748.4/57

All: 0.000+/-0.000 χ^2/NDF: 38627046.1/111



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: 397.130+/-402.139 χ^2/NDF: 39.2/33

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

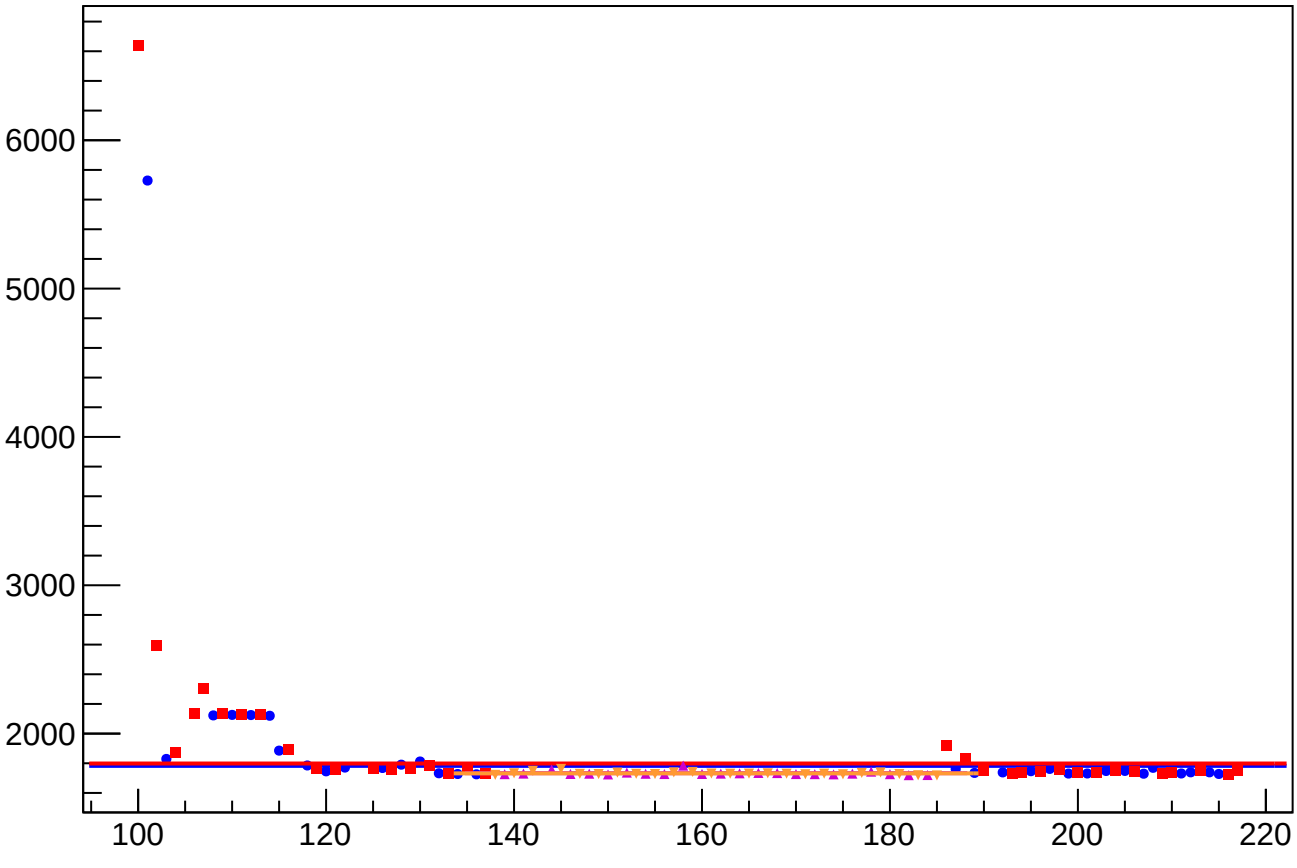
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 306.897+/-286.931 χ^2/NDF: 69.2/64

In: 132.107+/-287.858 χ^2/NDF:49.4/53

Out: 181.075+/-284.296 χ^2/NDF:75.1/57

All: 156.896+/-202.275 χ^2/NDF: 124.6/111



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: 1798.366+/-0.284 χ^2/NDF: 316992.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

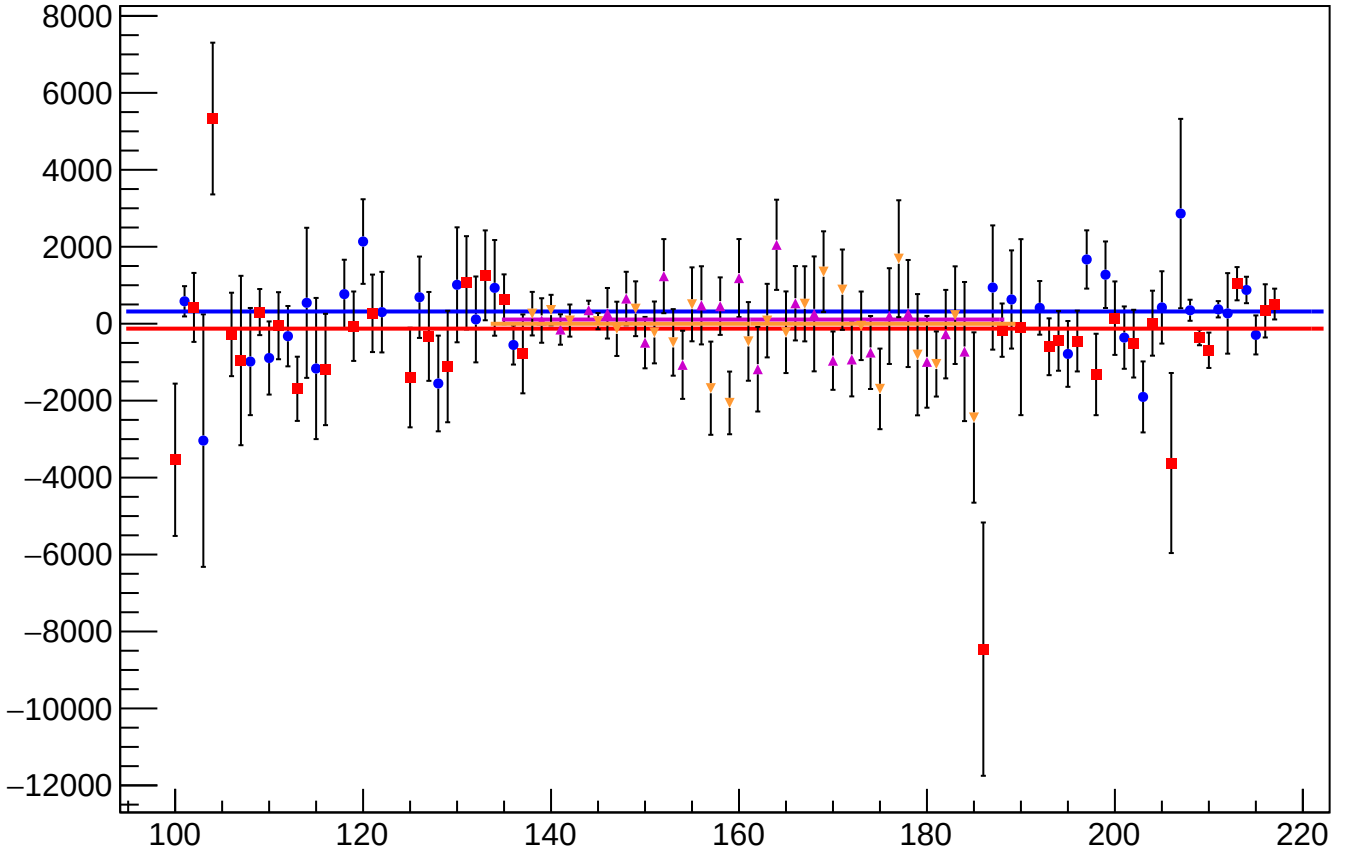
Right: 1790.637+/-0.203 χ^2/NDF: 1032971.0/64

In: 1757.676+/-0.204 χ^2/NDF:731371.5/53

Out: 1765.162+/-0.201 χ^2/NDF:345189.0/57

All: 1761.466+/-0.143 χ^2/NDF: 1077245.2/11

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 317.551+/-111.135 χ^2/NDF: 32.2/30

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -128.371+/-117.048 χ^2/NDF: 45.6/33

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

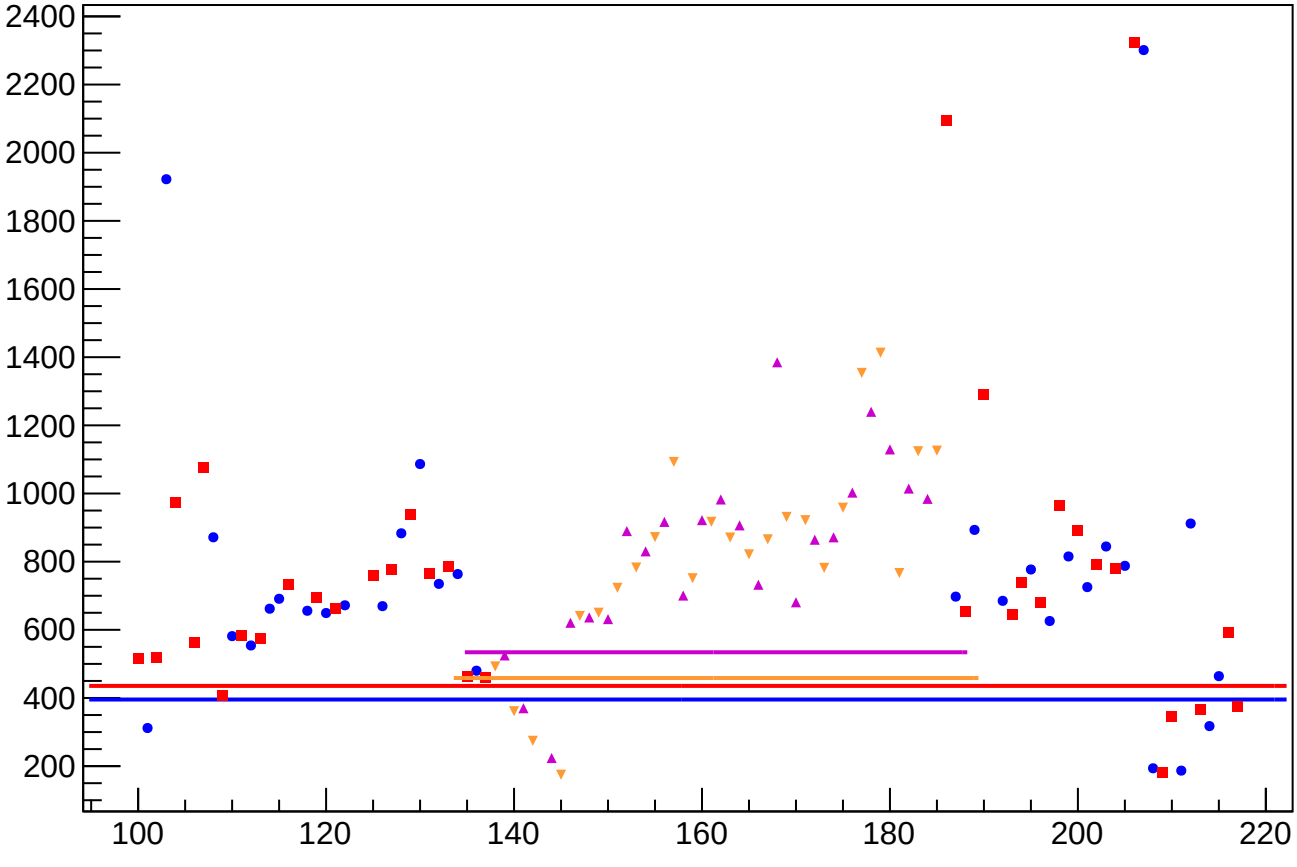
Right: 106.137+/-80.594 χ^2/NDF: 85.4/64

In: 239.005+/-87.823 χ^2/NDF:50.5/53

Out: -71.999+/-87.000 χ^2/NDF:66.4/57

All: 82.039+/-61.807 χ^2/NDF: 123.2/111

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: 435.470+/-0.083 χ^2/NDF: 9696730.1/33

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

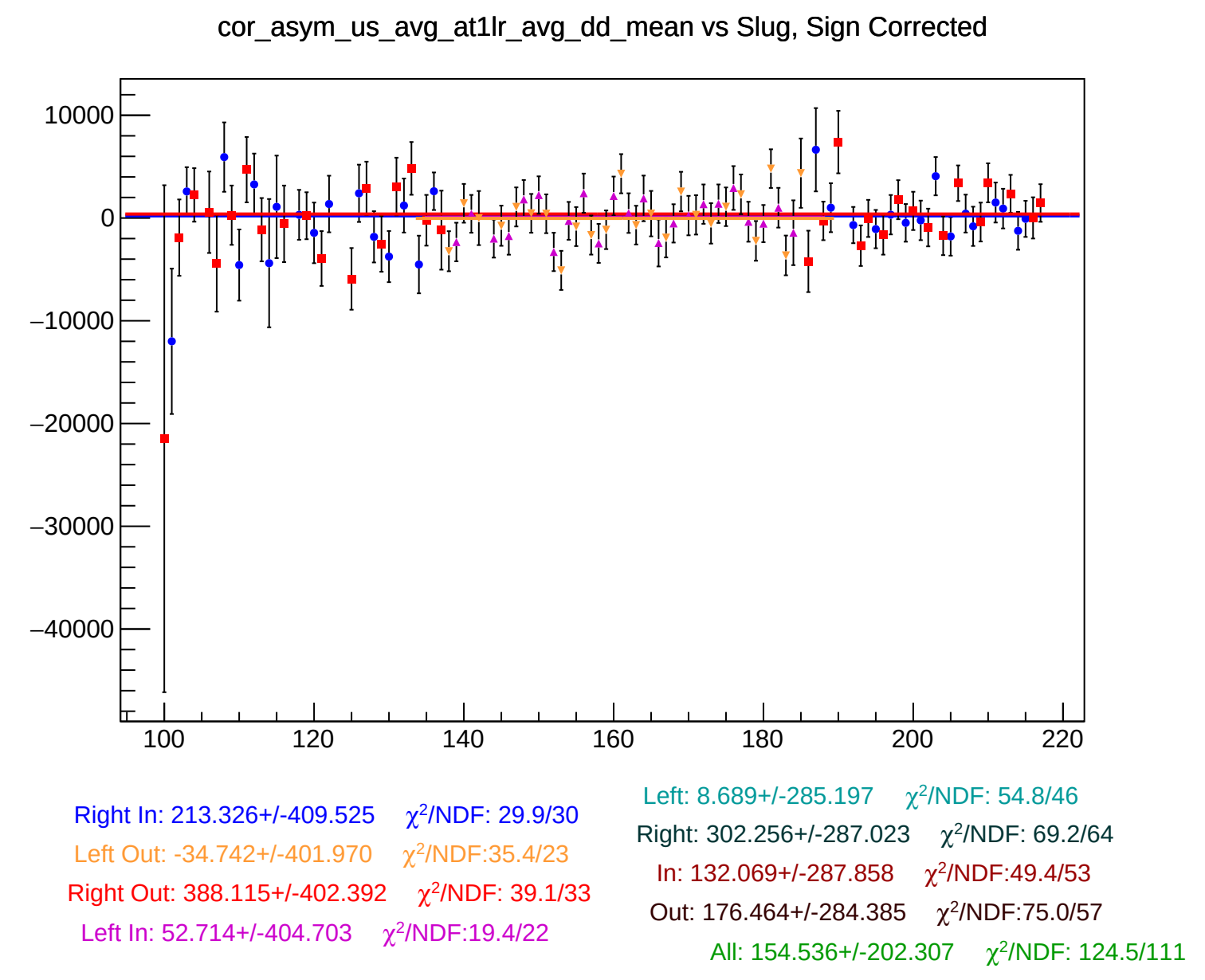
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

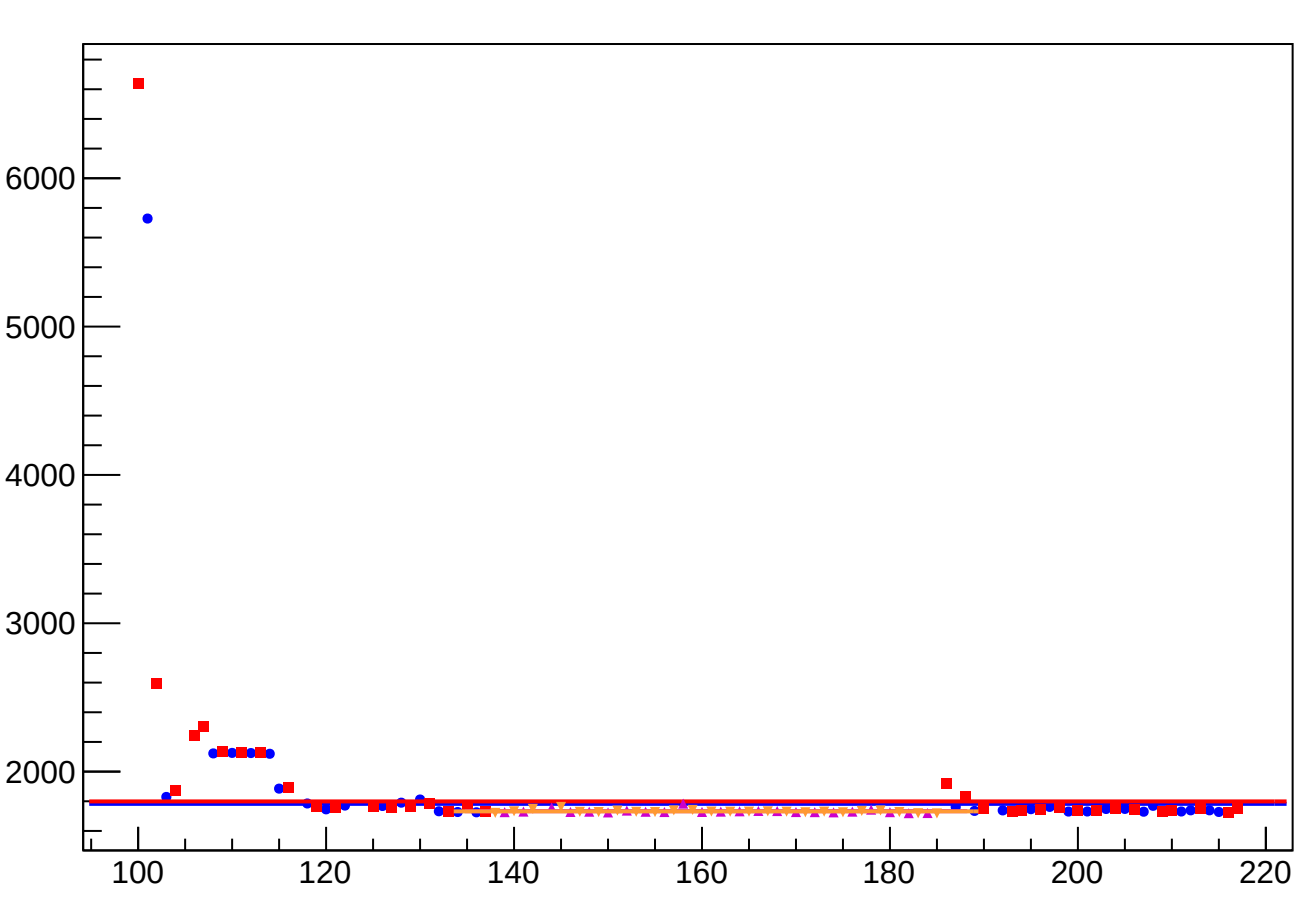
Right: 414.451+/-0.057 χ^2/NDF: 20298045.0/64

In: 447.571+/-0.062 χ^2/NDF:20091095.6/53

Out: 445.812+/-0.062 χ^2/NDF:21158351.3/57

All: 446.683+/-0.044 χ^2/NDF: 41249851.9/11


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: 388.115+/-402.392 χ²/NDF: 39.1/33
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 302.256+/-287.023 χ²/NDF: 69.2/64
In: 132.069+/-287.858 χ²/NDF:49.4/53
Out: 176.464+/-284.385 χ²/NDF:75.0/57
All: 154.536+/-202.307 χ²/NDF: 124.5/111



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: 1799.023+/-0.285 χ^2/NDF: 325657.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

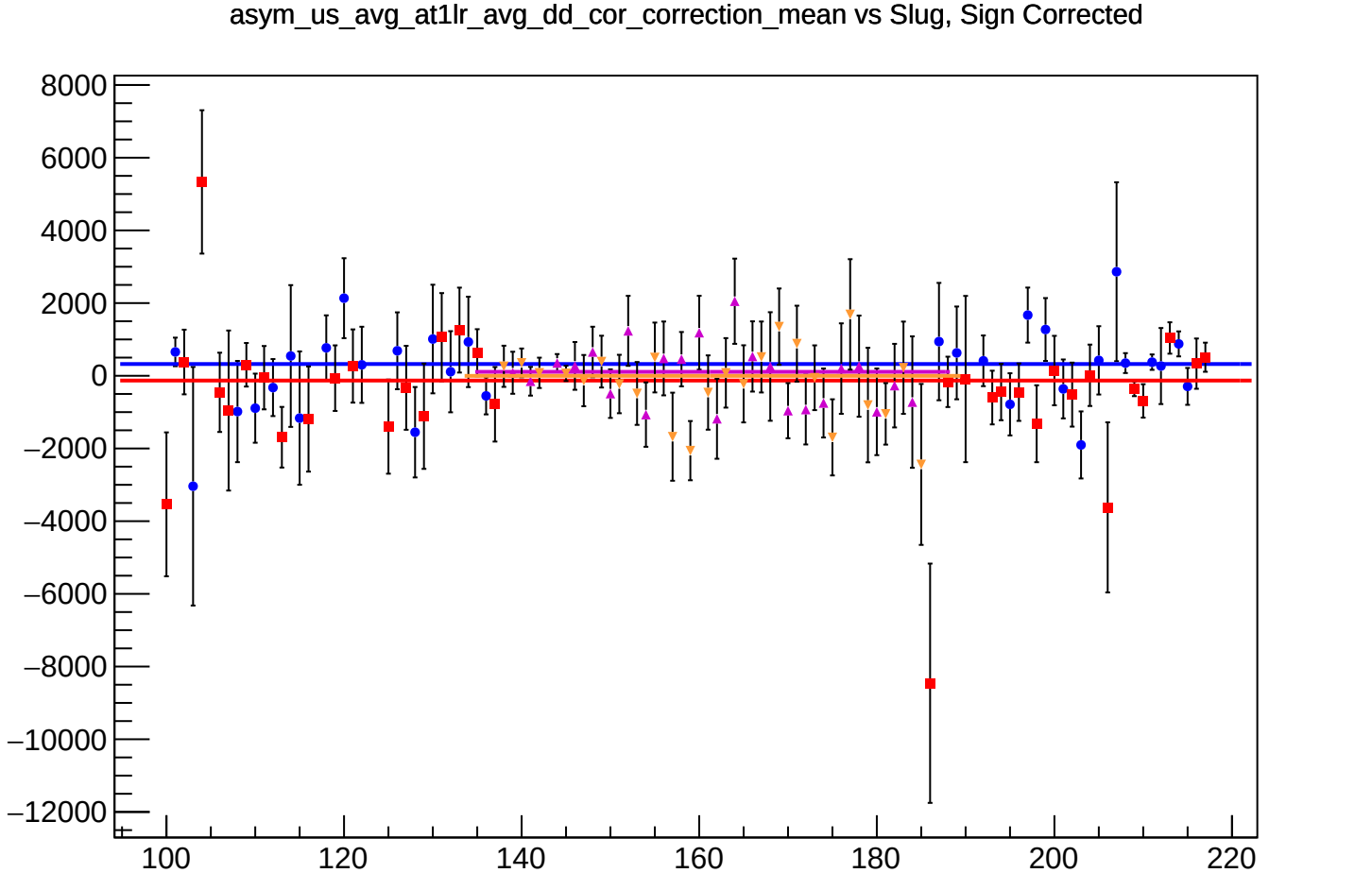
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1790.966+/-0.203 χ^2/NDF: 1041763.0/64

In: 1757.676+/-0.204 χ^2/NDF:731371.4/53

Out: 1765.469+/-0.201 χ^2/NDF:354378.7/57

All: 1761.620+/-0.143 χ^2/NDF: 1086491.9/11



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: -131.086+/-117.039 χ^2/NDF: 45.6/33

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

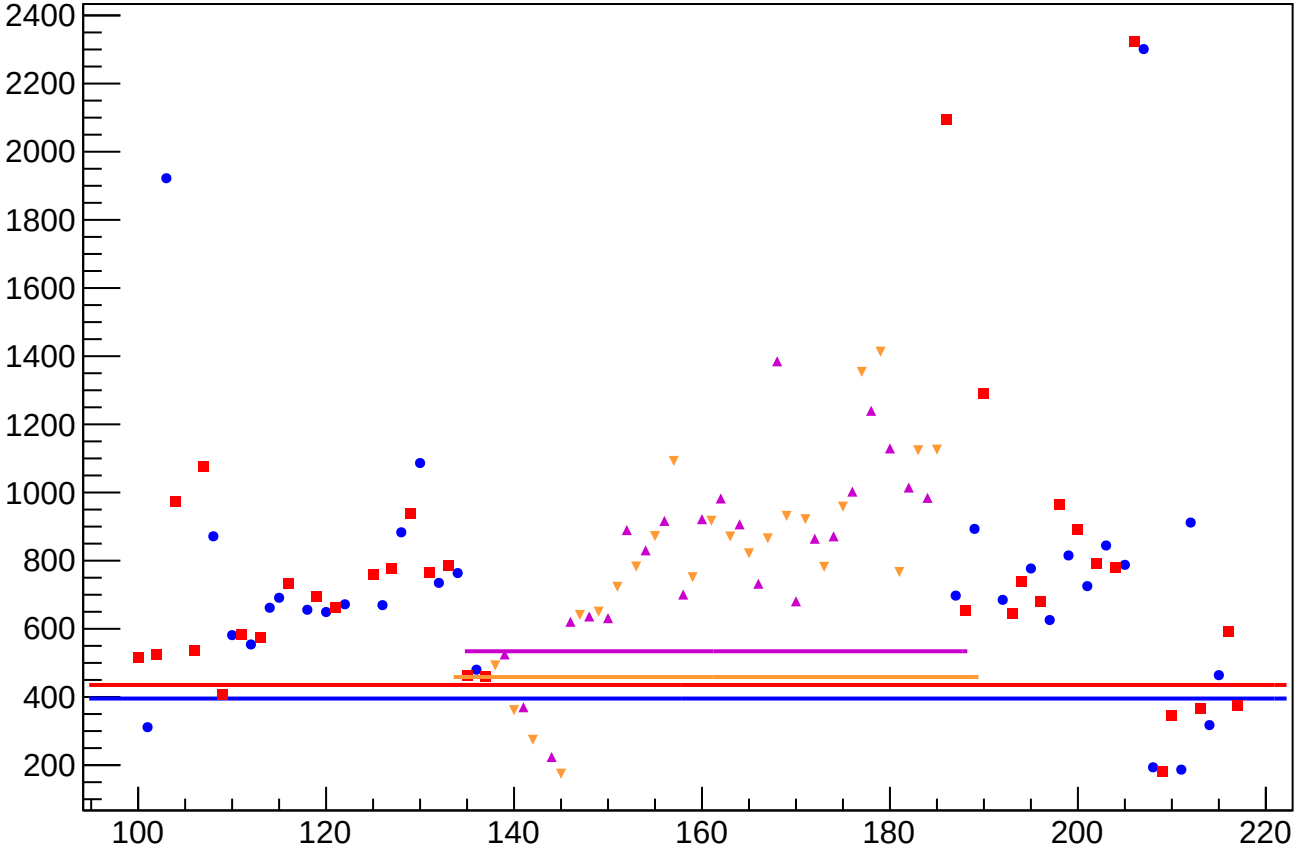
Right: 107.997+/-80.585 χ^2/NDF: 86.0/64

In: 242.732+/-87.816 χ^2/NDF:50.9/53

Out: -73.560+/-86.997 χ^2/NDF:66.4/57

All: 83.104+/-61.804 χ^2/NDF: 123.9/111

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: 435.265+/-0.083 χ^2/NDF: 9690034.1/33

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

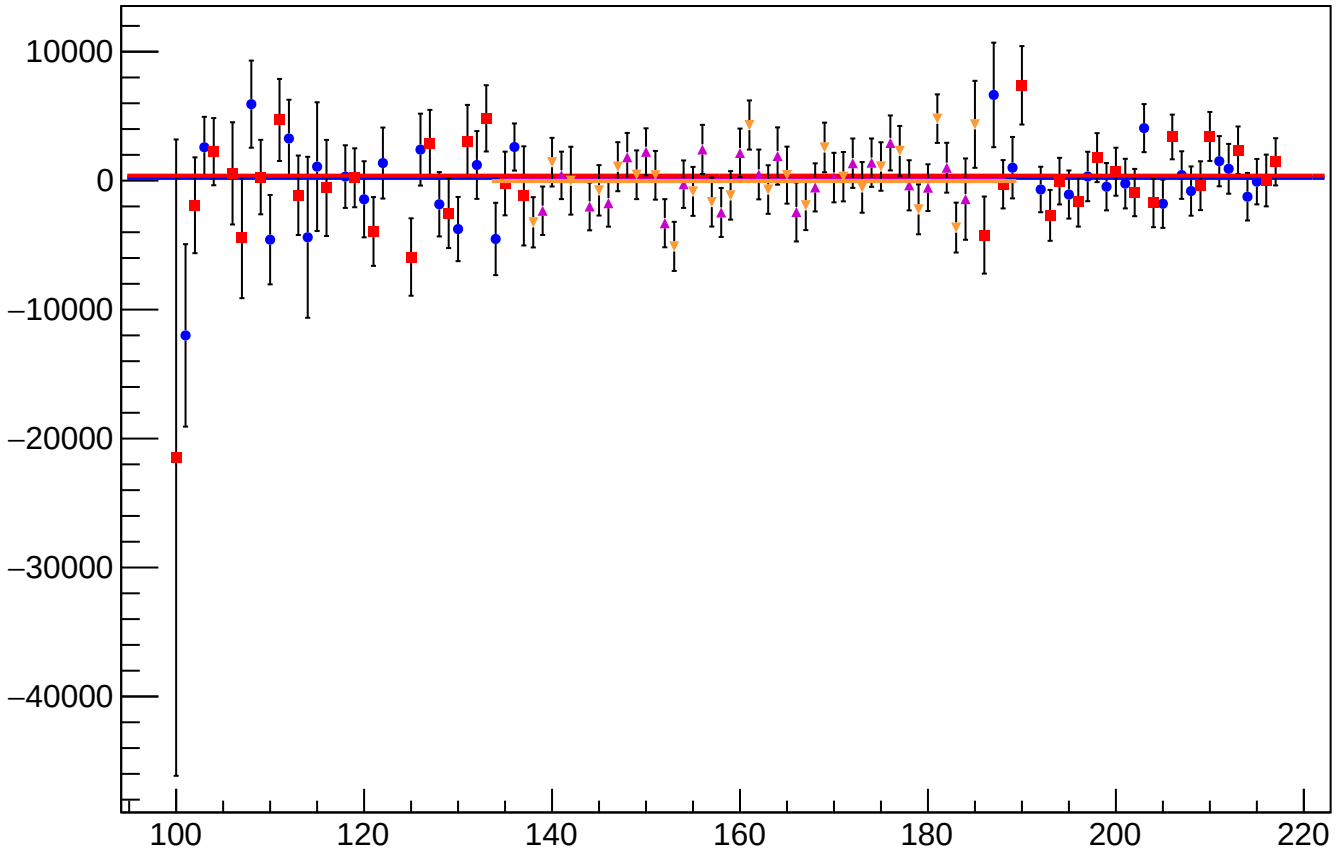
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 414.312+/-0.057 χ^2/NDF: 20292892.4/64

In: 447.517+/-0.062 χ^2/NDF:20094459.6/53

Out: 445.702+/-0.062 χ^2/NDF:21151895.1/57

All: 446.601+/-0.044 χ^2/NDF: 41246785.9/11



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: 388.115+/-402.392 χ^2/NDF: 39.1/33

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

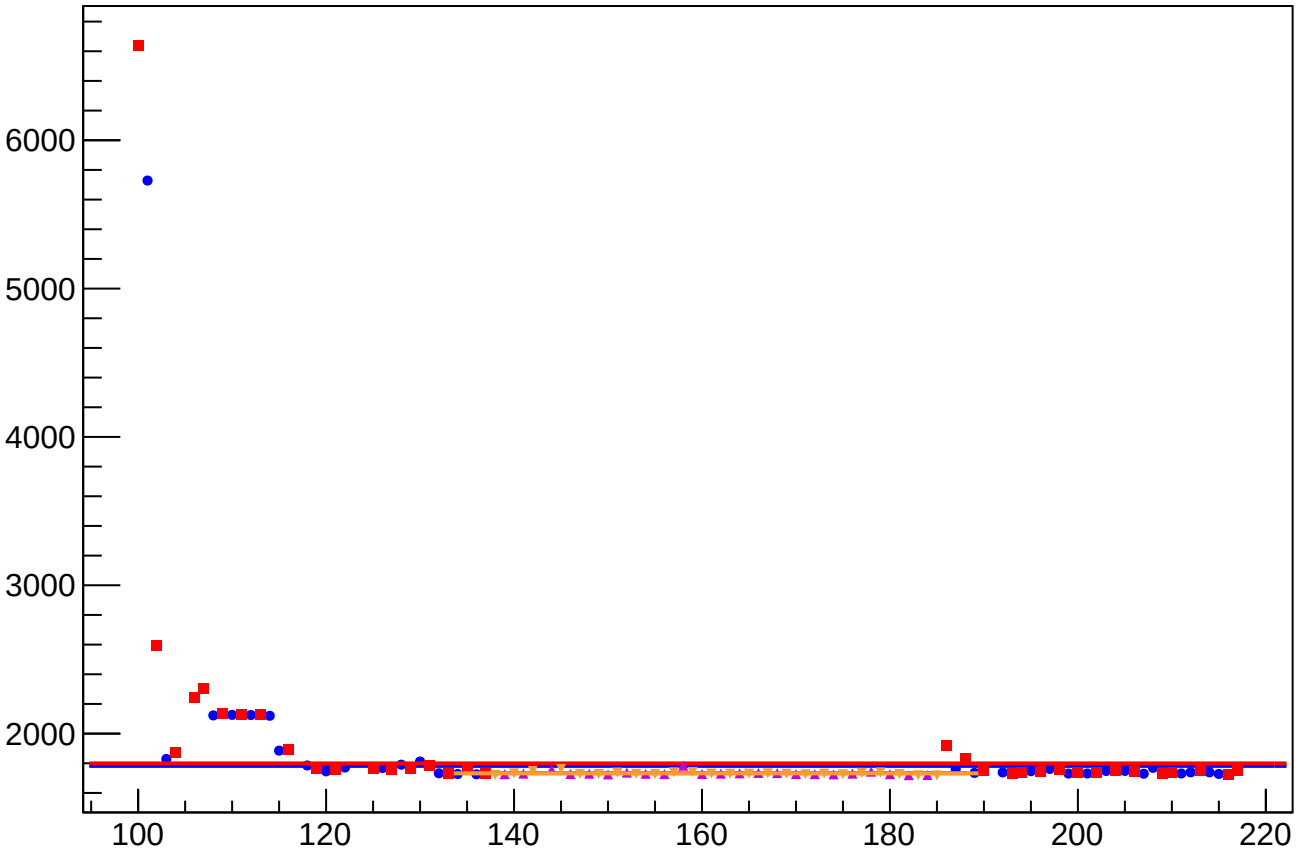
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 302.256+/-287.023 χ^2/NDF: 69.2/64

In: 132.069+/-287.858 χ^2/NDF:49.4/53

Out: 176.464+/-284.385 χ^2/NDF:75.0/57

All: 154.536+/-202.307 χ^2/NDF: 124.5/111



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: 1799.023+/-0.285 χ^2/NDF: 325657.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

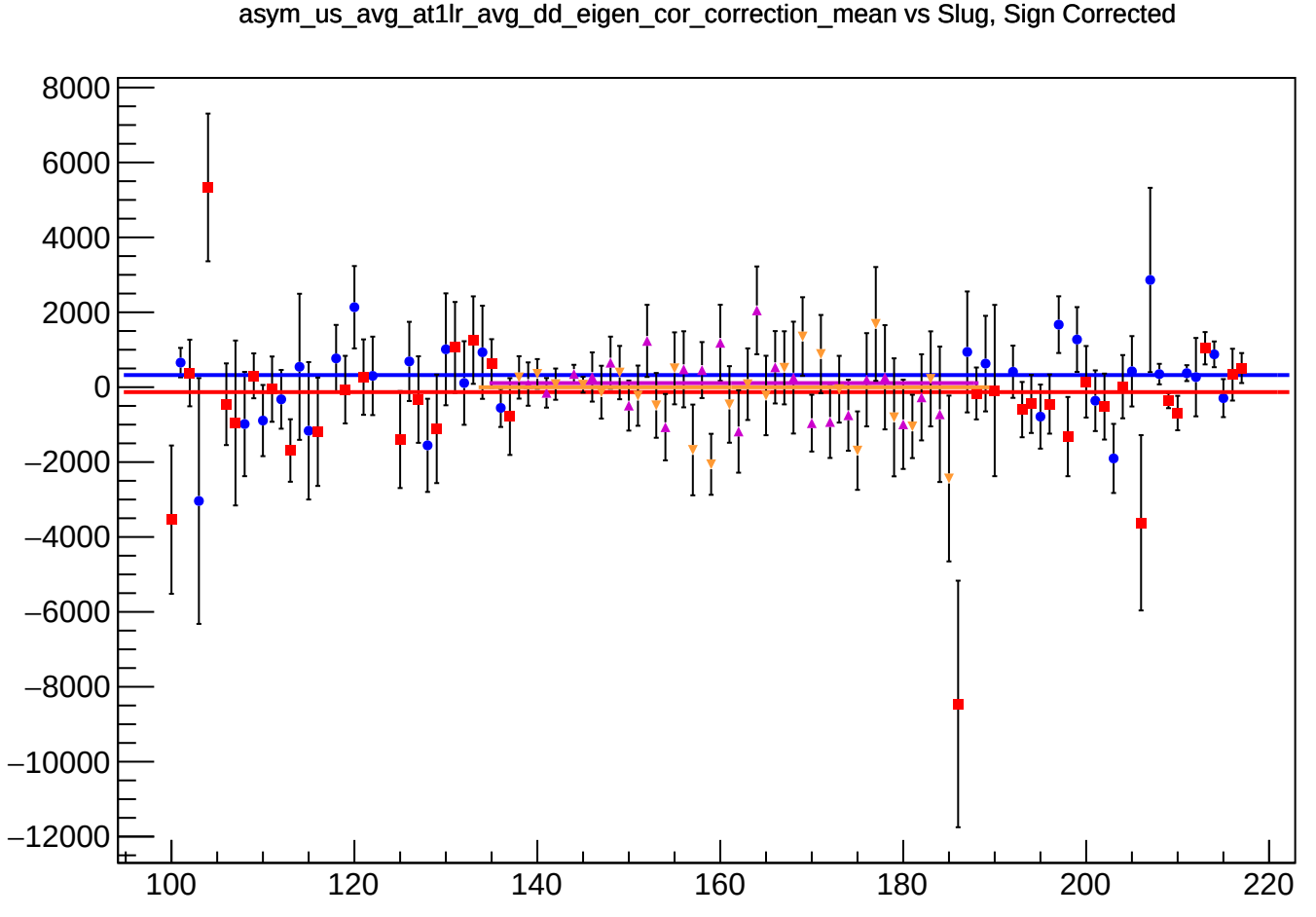
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1790.966+/-0.203 χ^2/NDF: 1041763.0/64

In: 1757.676+/-0.204 χ^2/NDF:731371.4/53

Out: 1765.469+/-0.201 χ^2/NDF:354378.7/57

All: 1761.620+/-0.143 χ^2/NDF: 1086491.9/11



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: -131.086+/-117.039 χ^2/NDF: 45.6/33

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

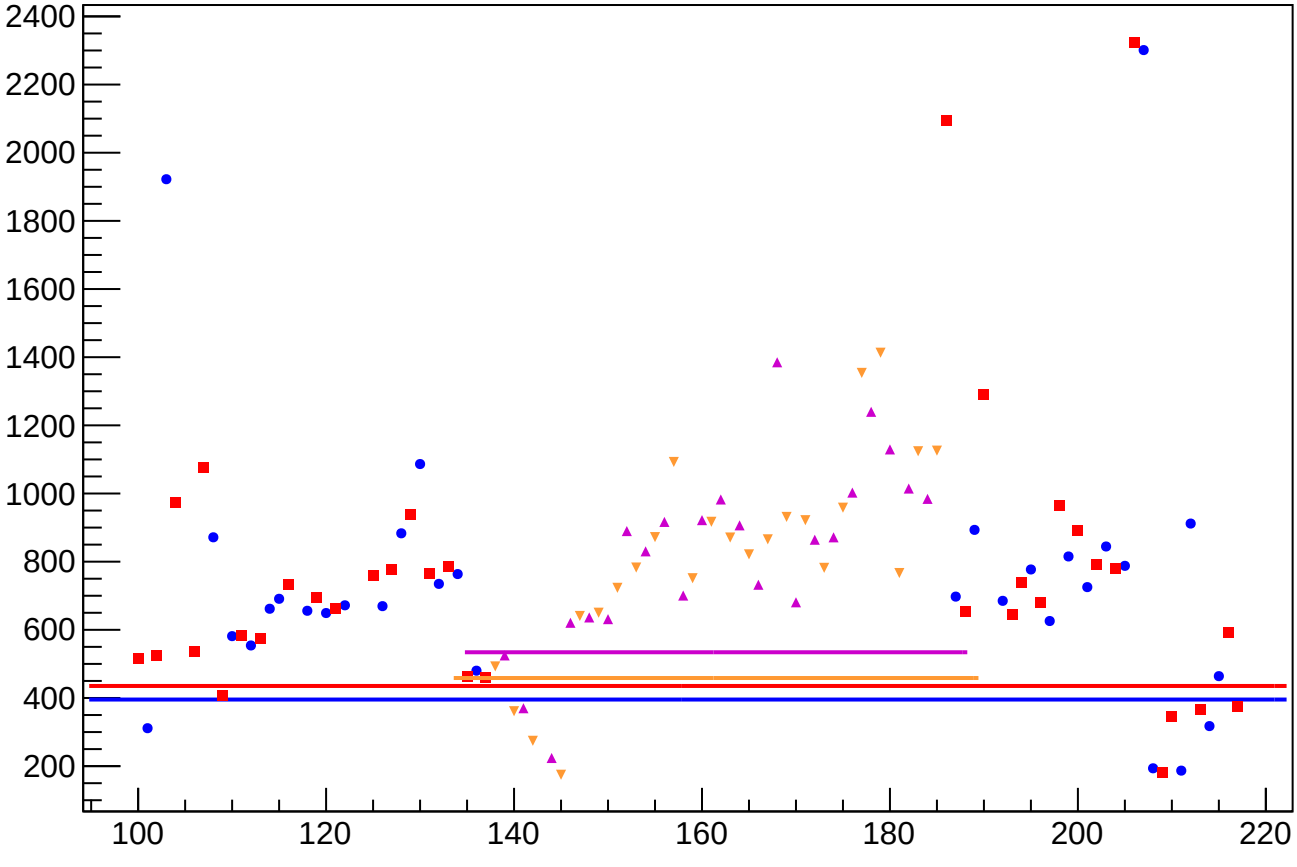
Right: 107.997+/-80.585 χ^2/NDF: 86.0/64

In: 242.732+/-87.816 χ^2/NDF:50.9/53

Out: -73.560+/-86.997 χ^2/NDF:66.4/57

All: 83.104+/-61.804 χ^2/NDF: 123.9/111

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: 435.265+/-0.083 χ^2/NDF: 9690034.1/33

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

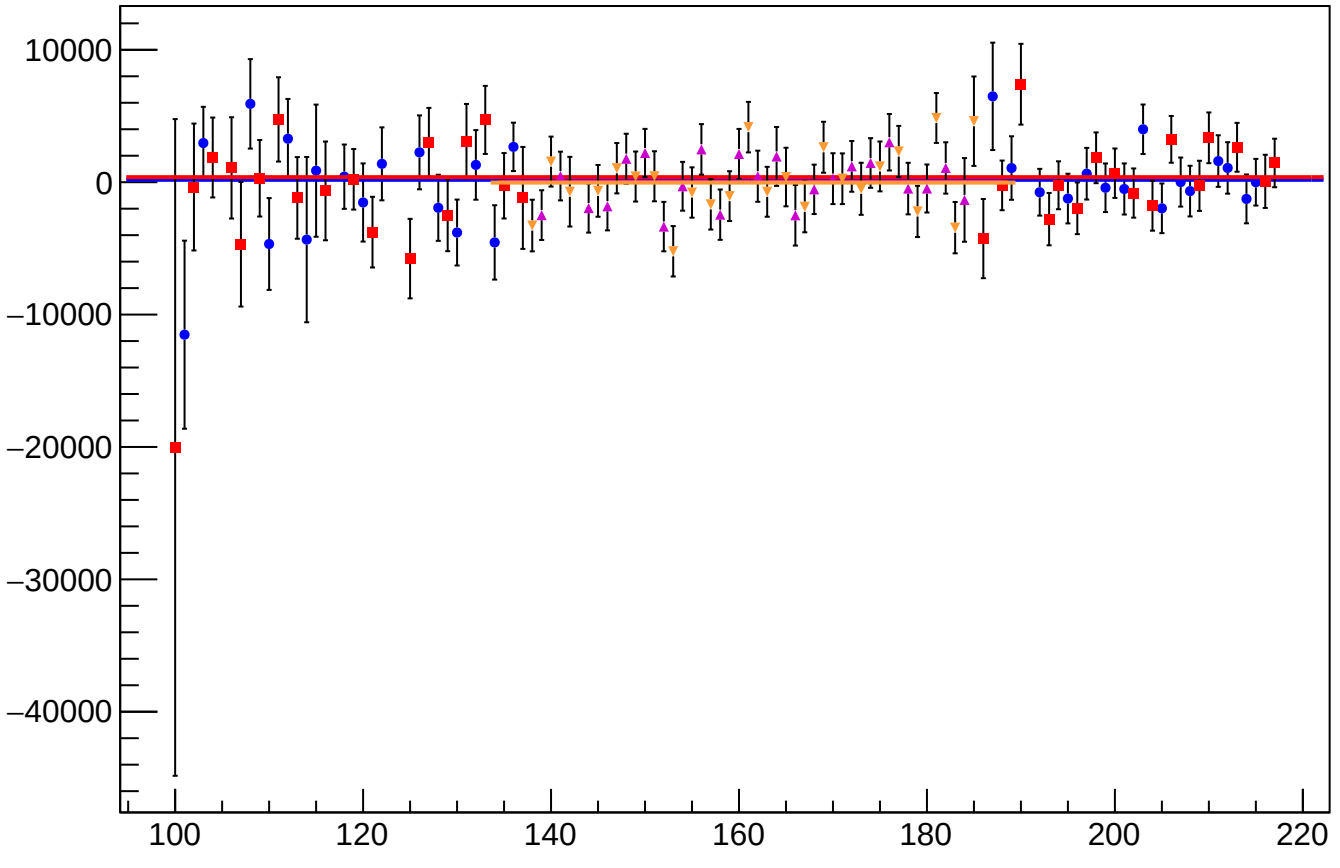
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 414.312+/-0.057 χ^2/NDF: 20292892.4/64

In: 447.517+/-0.062 χ^2/NDF:20094459.6/53

Out: 445.702+/-0.062 χ^2/NDF:21151895.1/57

All: 446.601+/-0.044 χ^2/NDF: 41246785.9/11



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: 381.638+/-406.035 χ^2/NDF: 38.4/33

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

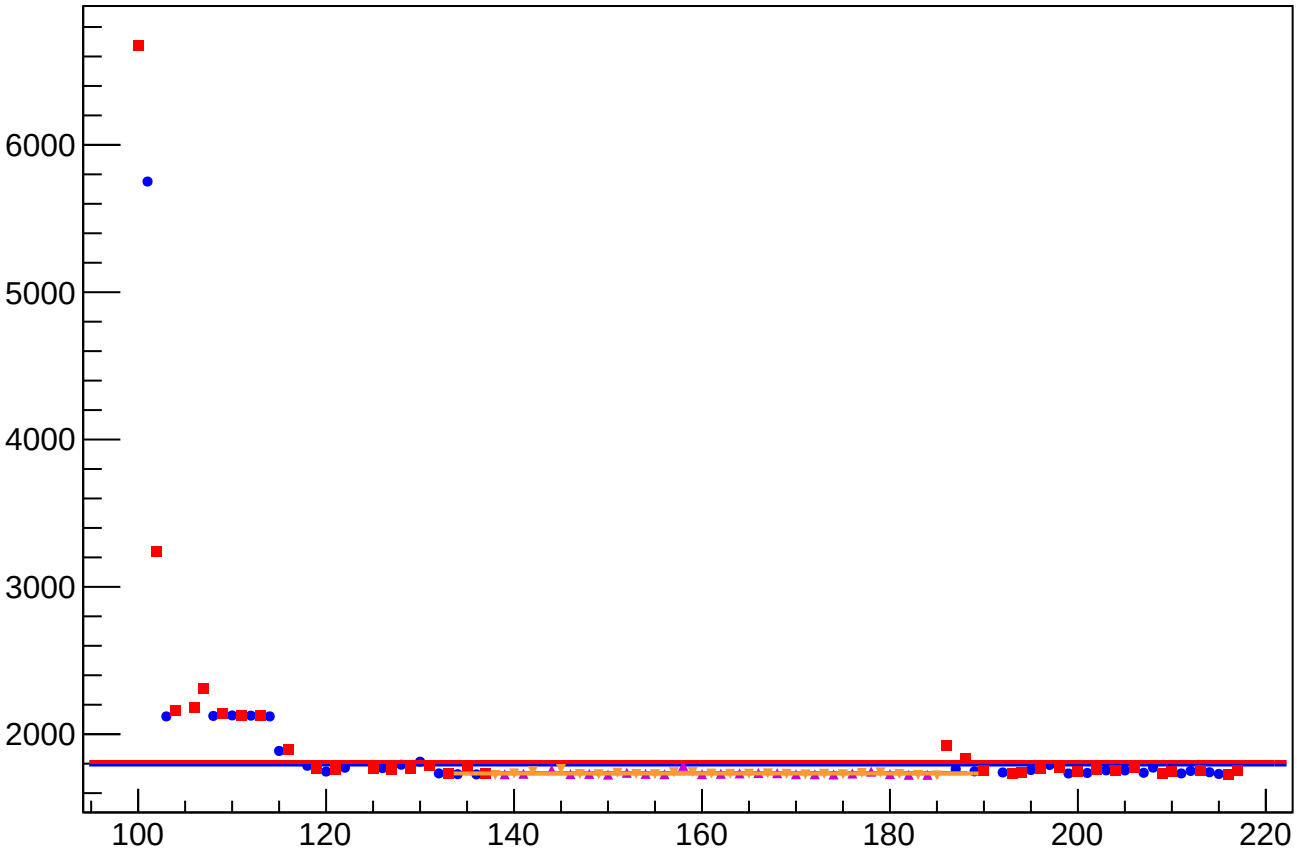
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 283.061+/-289.312 χ^2/NDF: 68.7/64

In: 110.695+/-288.955 χ^2/NDF:50.1/53

Out: 174.234+/-285.787 χ^2/NDF:74.4/57

All: 142.815+/-203.193 χ^2/NDF: 124.5/111



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: 1811.301+/-0.287 χ^2/NDF: 428247.2/33

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

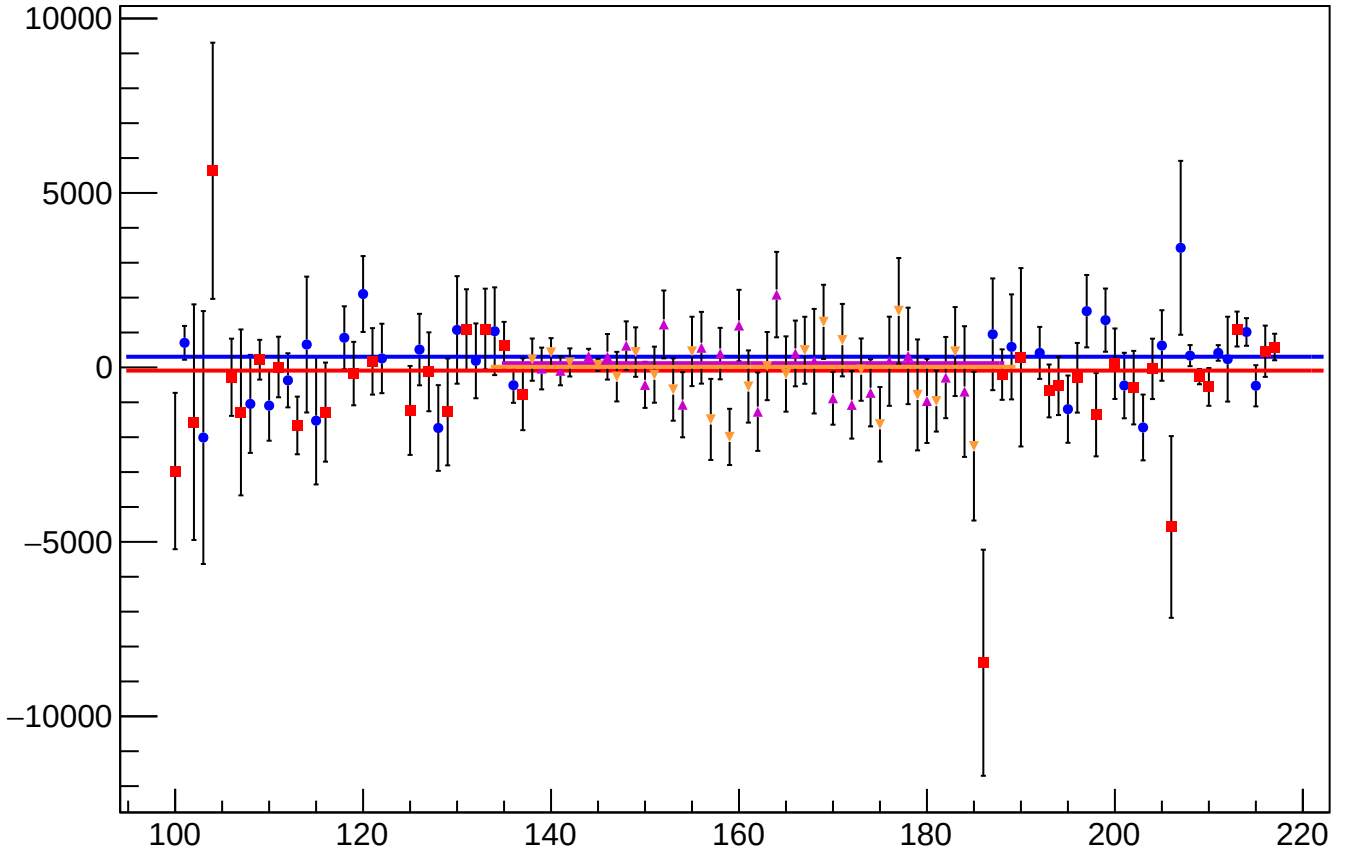
Right: 1802.862+/-0.205 χ^2/NDF: 1171623.1/64

In: 1763.956+/-0.204 χ^2/NDF:764883.4/53

Out: 1772.032+/-0.202 χ^2/NDF:466221.8/57

All: 1768.038+/-0.144 χ^2/NDF: 1231894.9/11

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: -91.277+/-125.065 χ^2/NDF: 37.1/33

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

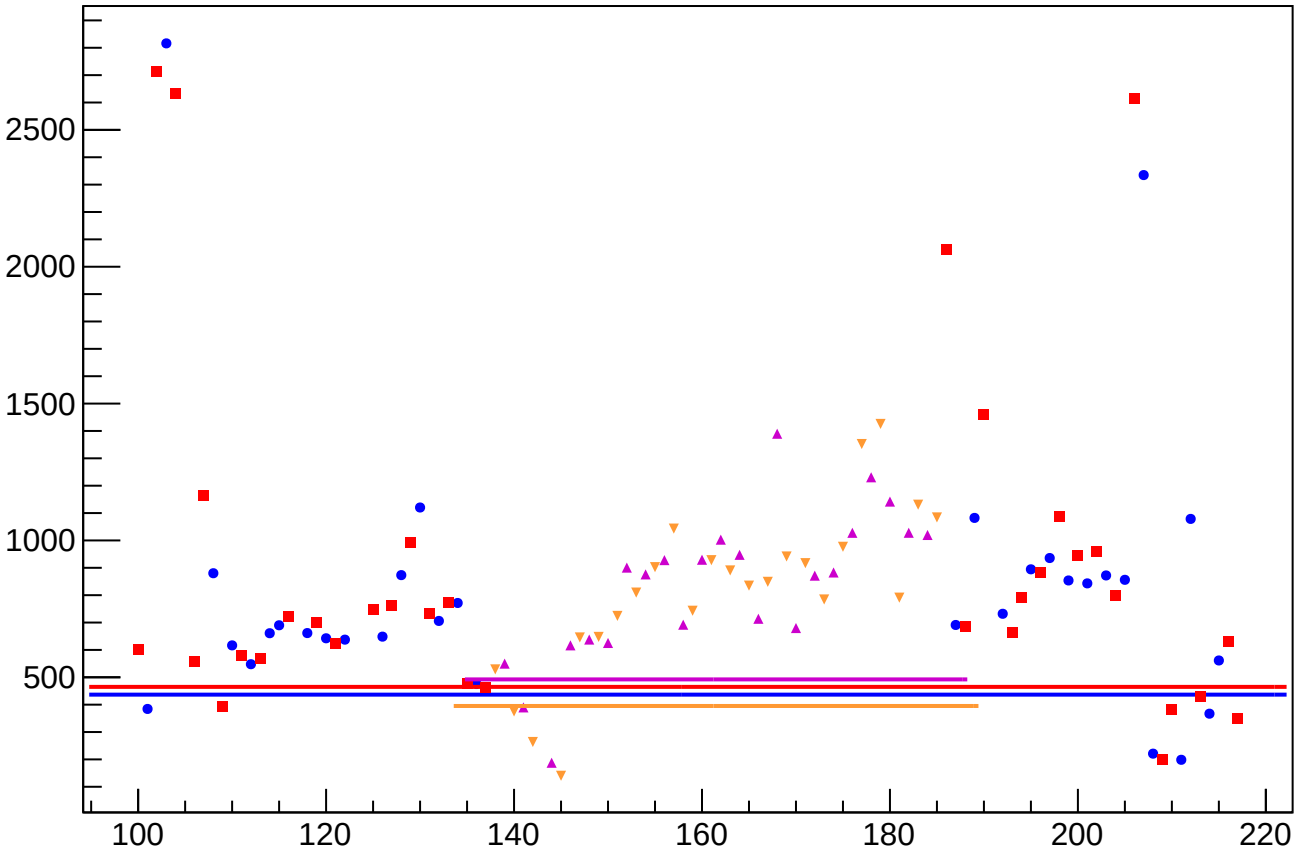
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: 114.354+/-86.834 χ^2/NDF: 75.3/64

In: 225.451+/-90.590 χ^2/NDF:50.5/53

Out: -34.063+/-86.336 χ^2/NDF:57.0/57

All: 89.458+/-62.499 χ^2/NDF: 111.7/111



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: 464.962+/-0.088 χ^2/NDF: 10978616.7/33

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

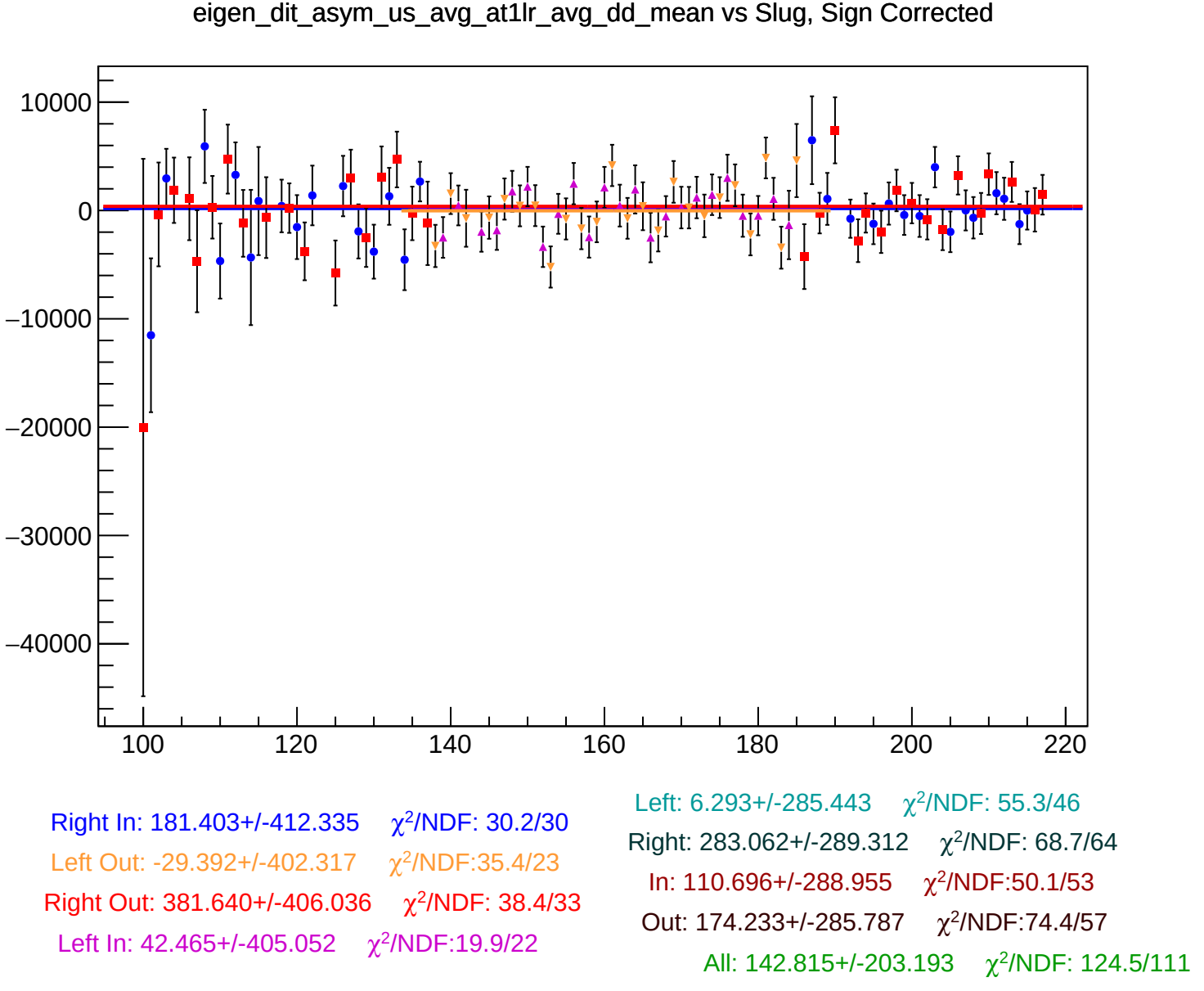
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

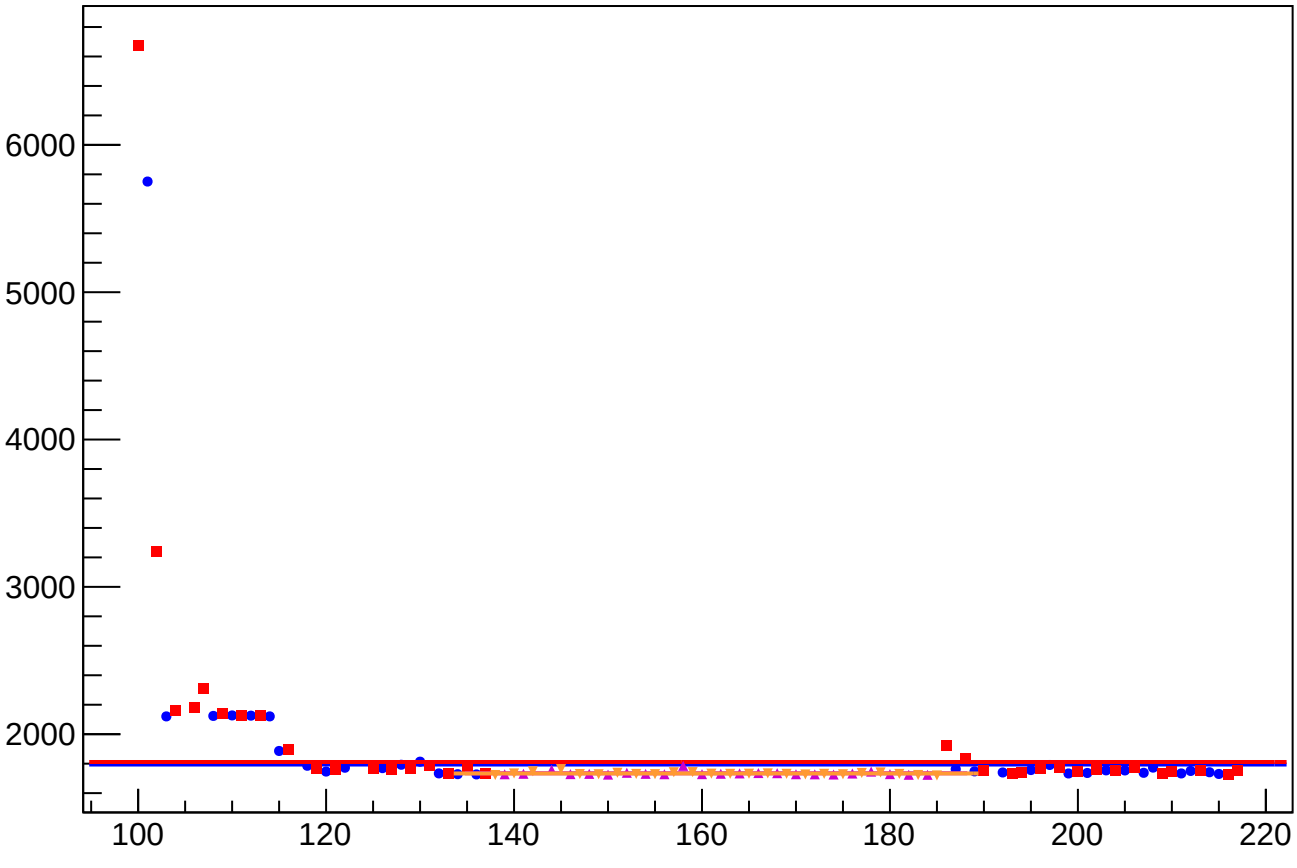
Right: 450.274+/-0.061 χ^2/NDF: 21941392.1/64

In: 460.900+/-0.064 χ^2/NDF:21514911.2/53

Out: 428.440+/-0.061 χ^2/NDF:25638879.9/57

All: 443.890+/-0.044 χ^2/NDF: 47288358.4/11


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 181.403+/-412.335 χ²/NDF: 30.2/30
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 381.640+/-406.036 χ²/NDF: 38.4/33
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 283.062+/-289.312 χ²/NDF: 68.7/64
In: 110.696+/-288.955 χ²/NDF:50.1/53
Out: 174.233+/-285.787 χ²/NDF:74.4/57
All: 142.815+/-203.193 χ²/NDF: 124.5/111



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: 1811.301+/-0.287 χ^2/NDF: 428246.3/33

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

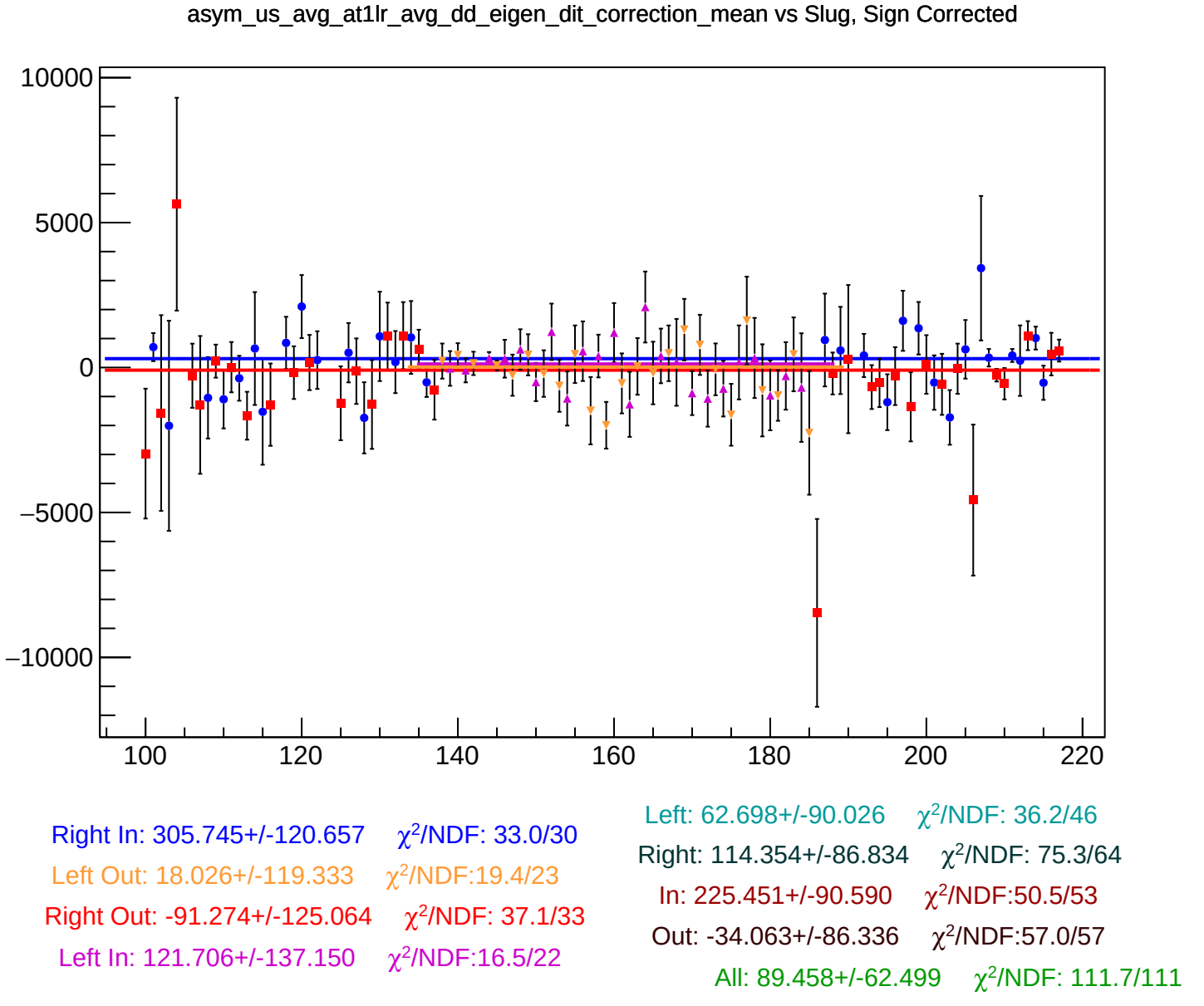
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1802.862+/-0.205 χ^2/NDF: 1171621.7/64

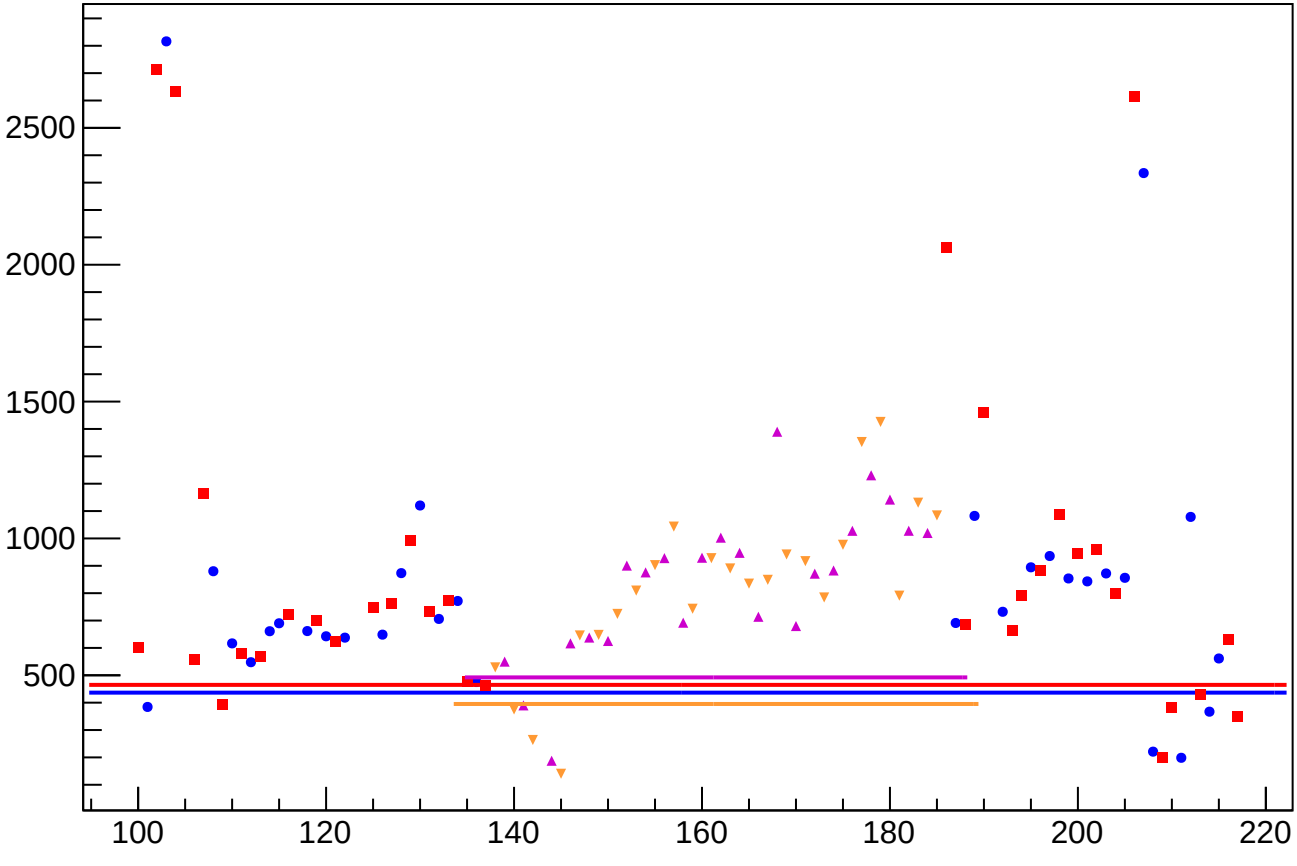
In: 1763.956+/-0.204 χ^2/NDF:764883.0/53

Out: 1772.032+/-0.202 χ^2/NDF:466220.9/57

All: 1768.038+/-0.144 χ^2/NDF: 1231893.6/11


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: -91.274+/-125.064 χ²/NDF: 37.1/33
Left In: 121.706+/-137.150 χ²/NDF:16.5/22
Left: 62.698+/-90.026 χ²/NDF: 36.2/46
Right: 114.354+/-86.834 χ²/NDF: 75.3/64
In: 225.451+/-90.590 χ²/NDF:50.5/53
Out: -34.063+/-86.336 χ²/NDF:57.0/57
All: 89.458+/-62.499 χ²/NDF: 111.7/111

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: 464.959+/-0.088 χ^2/NDF: 10978706.6/33

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

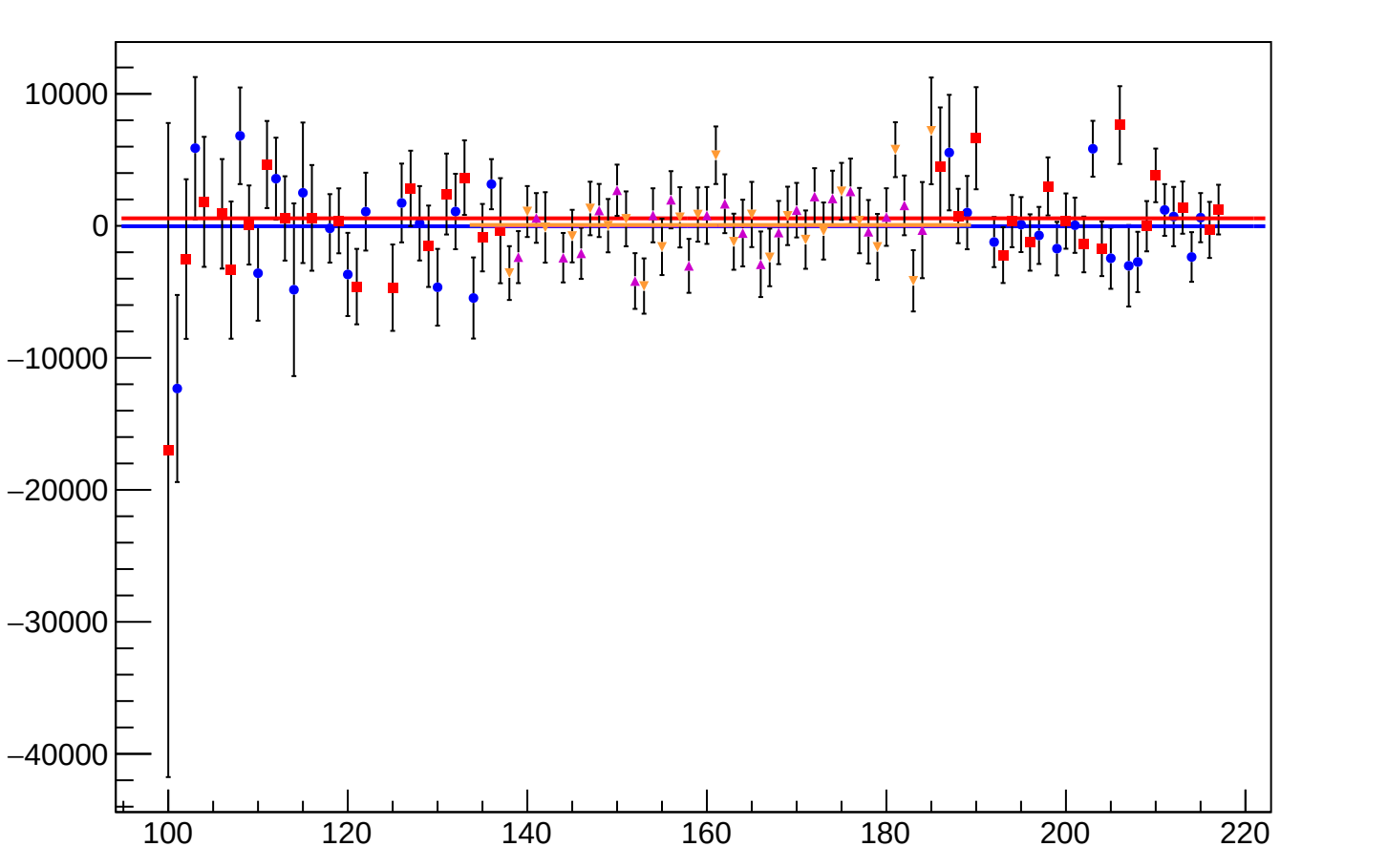
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 450.273+/-0.061 χ^2/NDF: 21941395.8/64

In: 460.901+/-0.064 χ^2/NDF:21514862.2/53

Out: 428.438+/-0.061 χ^2/NDF:25638984.7/57

All: 443.890+/-0.044 χ^2/NDF: 47288433.3/11



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: 569.705+/-450.800 χ^2/NDF: 29.8/33

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

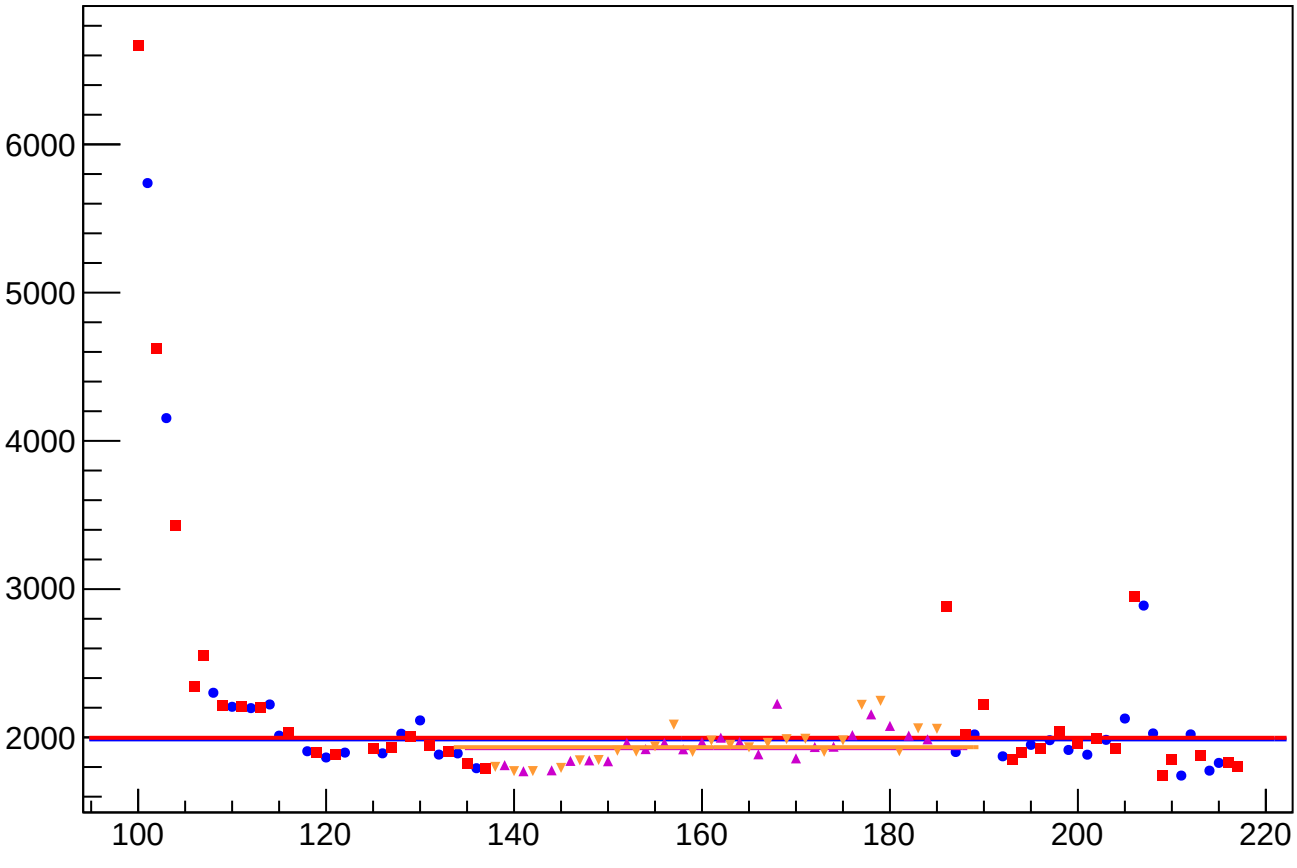
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 277.062+/-322.287 χ^2/NDF: 68.2/64

In: -1.048+/-322.271 χ^2/NDF:57.5/53

Out: 317.596+/-318.392 χ^2/NDF:64.0/57

All: 160.203+/-226.496 χ^2/NDF: 122.0/111



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: 1997.163+/-0.319 χ^2/NDF: 1110393.7/33

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

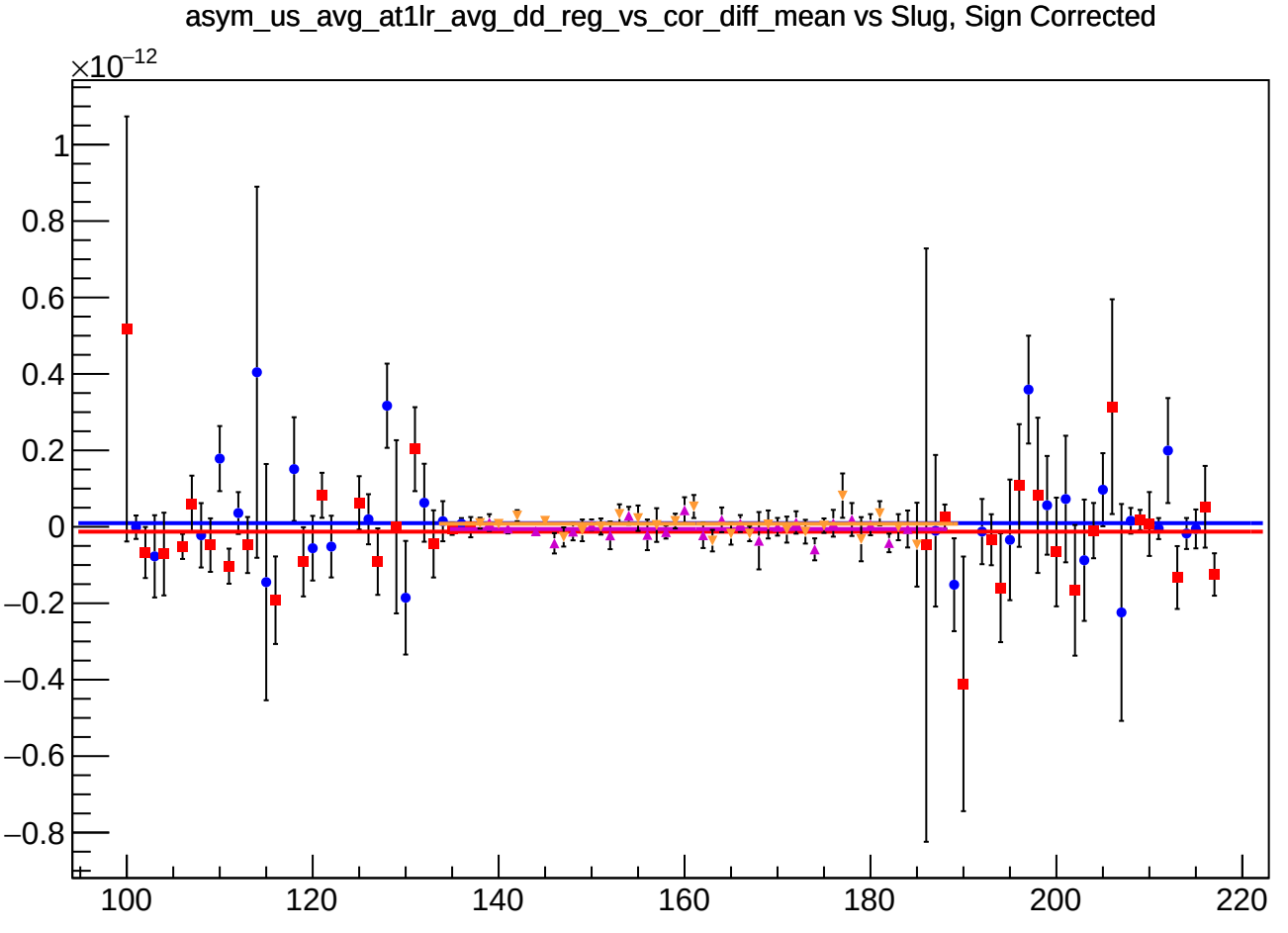
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

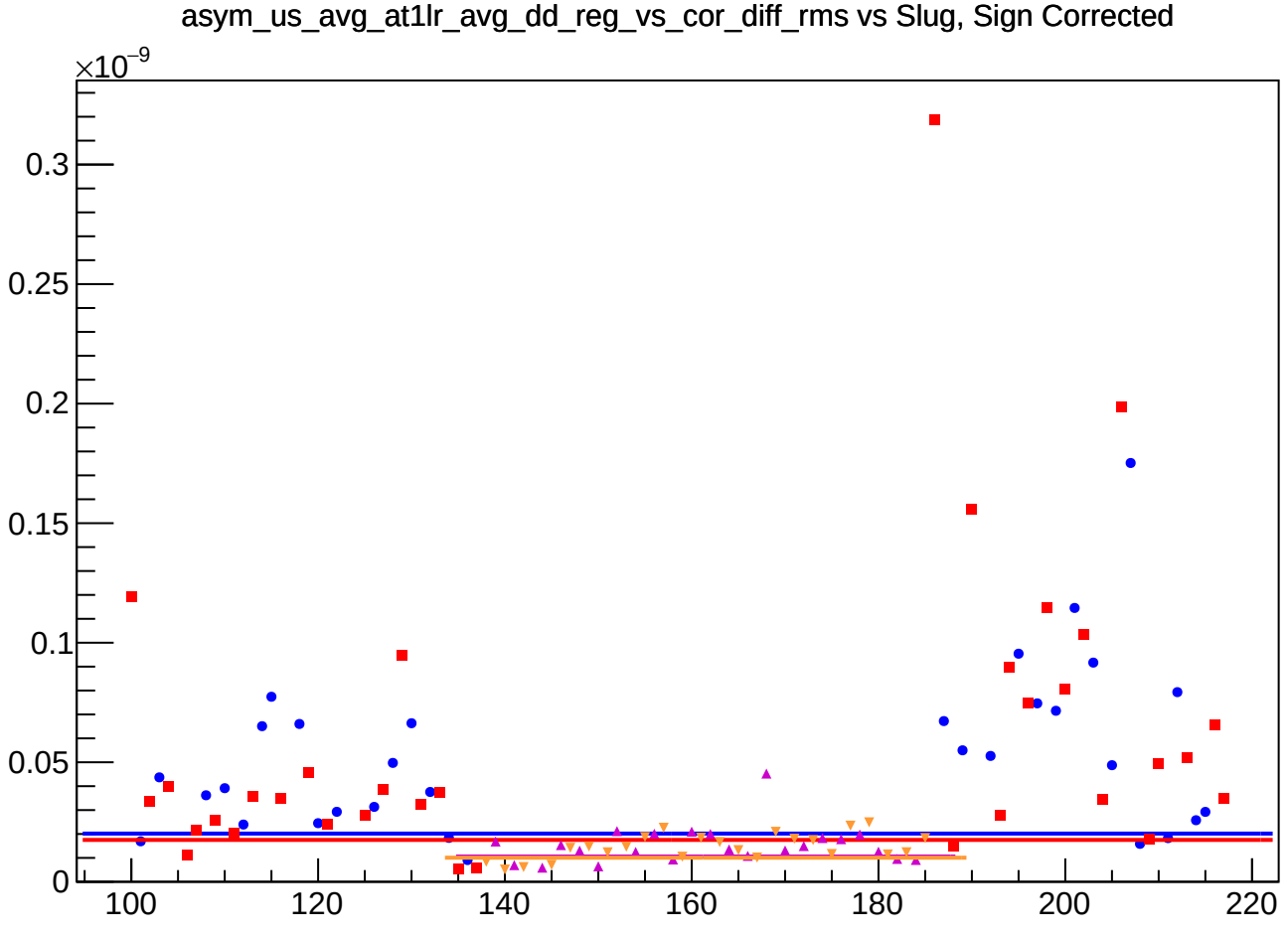
Right: 1991.911+/-0.228 χ^2/NDF: 2334529.8/64

In: 1956.111+/-0.228 χ^2/NDF:1356935.0/53

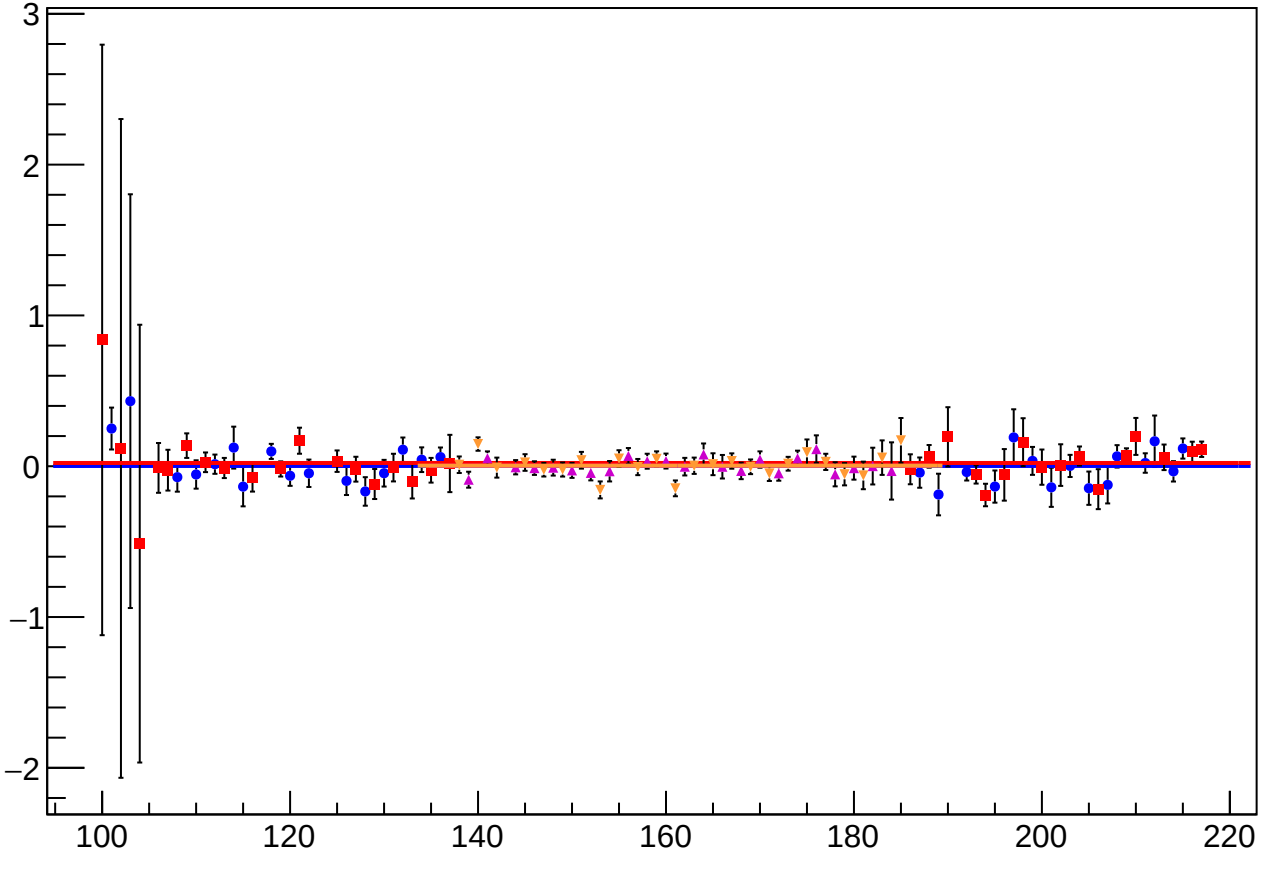
Out: 1965.410+/-0.225 χ^2/NDF:1258725.0/57

All: 1960.817+/-0.160 χ^2/NDF: 2616502.7/11


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: 35.9/33
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: 69.9/64
In: -0.000+/-0.000 χ²/NDF:49.9/53
Out: 0.000+/-0.000 χ²/NDF:57.6/57
All: 0.000+/-0.000 χ²/NDF: 109.0/111


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: 7896730.8/33
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: 14170824.0/64
In: 0.000+/-0.000 χ²/NDF:10452113.9/53
Out: 0.000+/-0.000 χ²/NDF:11286116.9/57
All: 0.000+/-0.000 χ²/NDF: 21785431.2/111

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: 0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

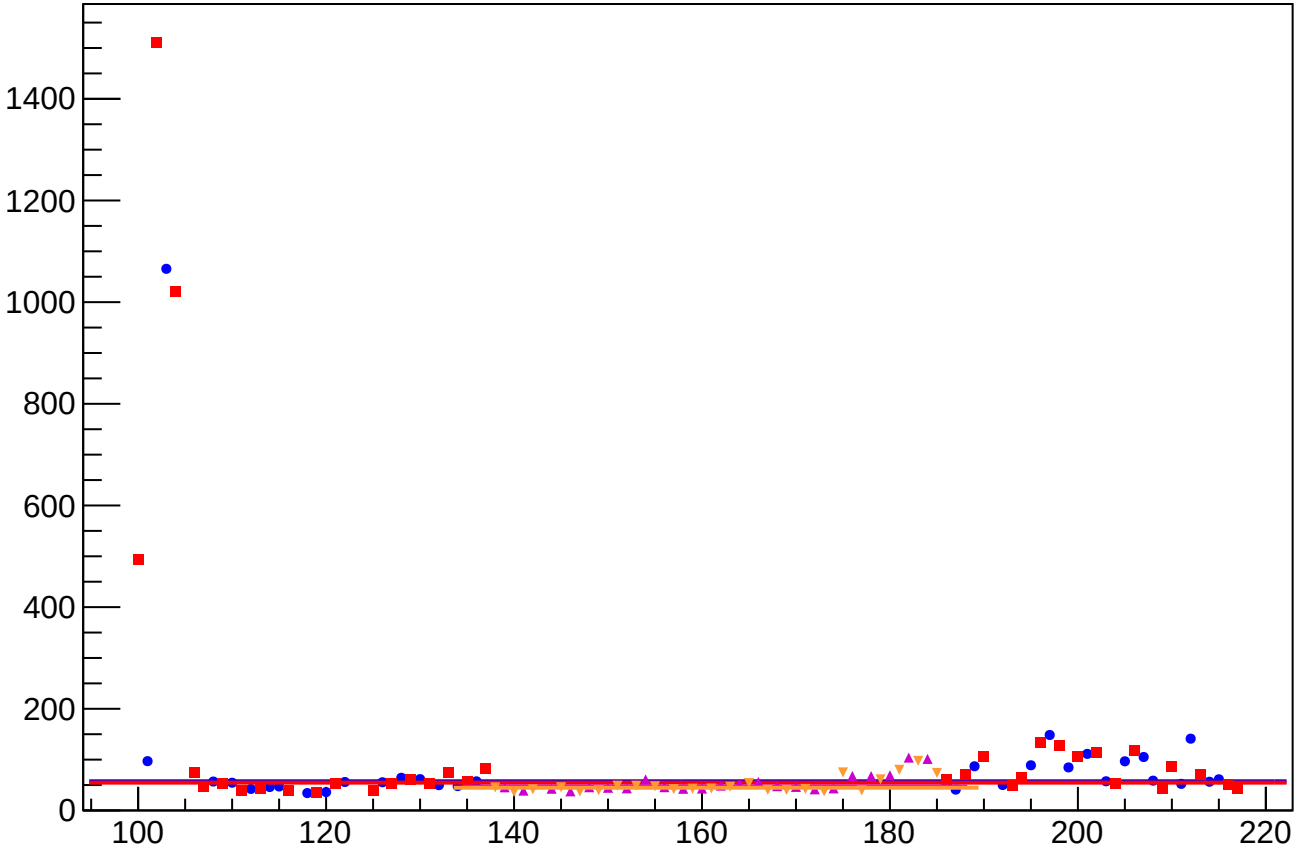
Right: 0.012+/-0.011 χ^2/NDF: 66.9/64

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.011+/-0.009 χ^2/NDF:68.9/57

All: 0.007+/-0.007 χ^2/NDF: 116.8/111

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.379+/-0.011 χ^2/NDF: 4479560.1/30

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 54.756+/-0.010 χ^2/NDF: 5390718.4/33

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

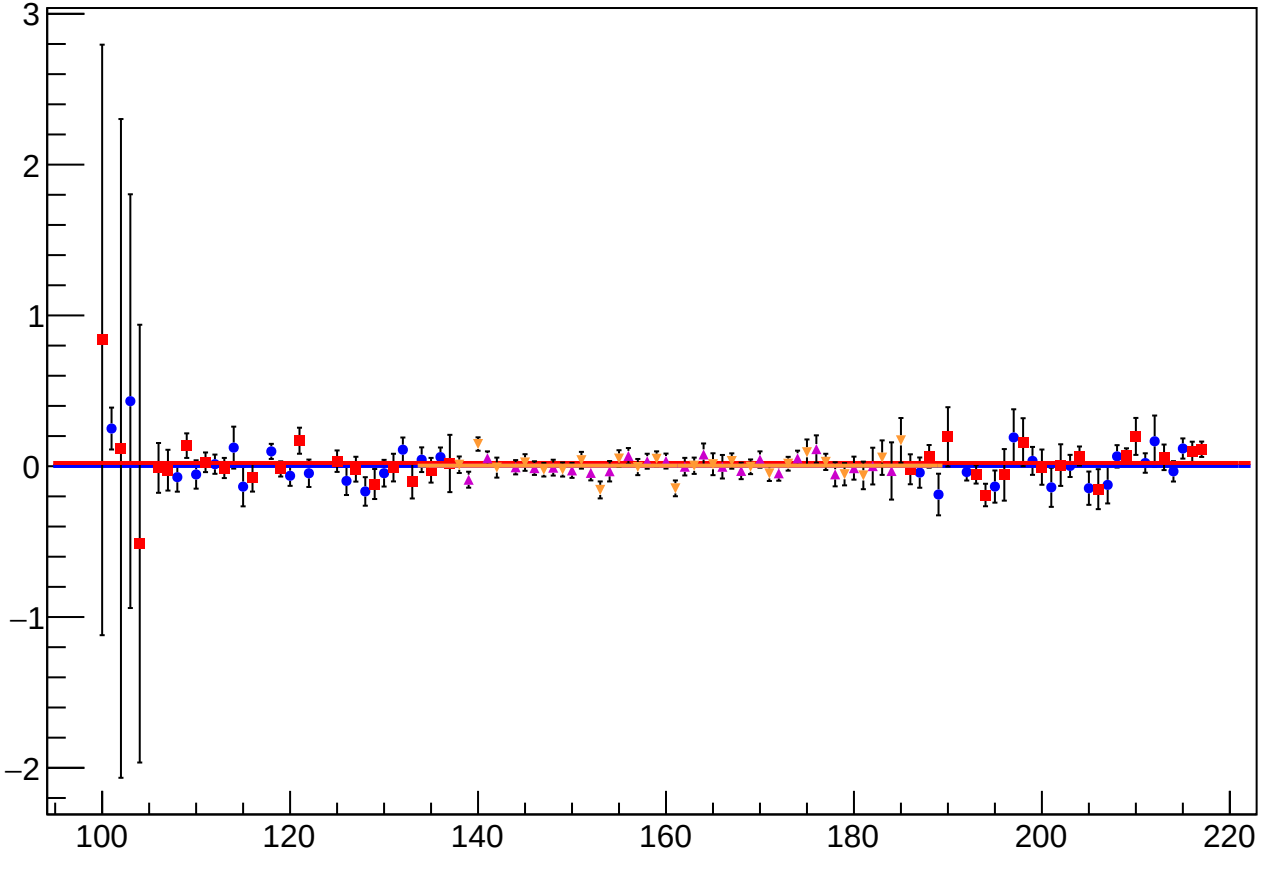
Right: 56.013+/-0.007 χ^2/NDF: 9900881.7/64

In: 50.947+/-0.007 χ^2/NDF:6430759.4/53

Out: 48.546+/-0.006 χ^2/NDF:7449510.9/57

All: 49.700+/-0.005 χ^2/NDF: 13947845.5/111

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: 0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

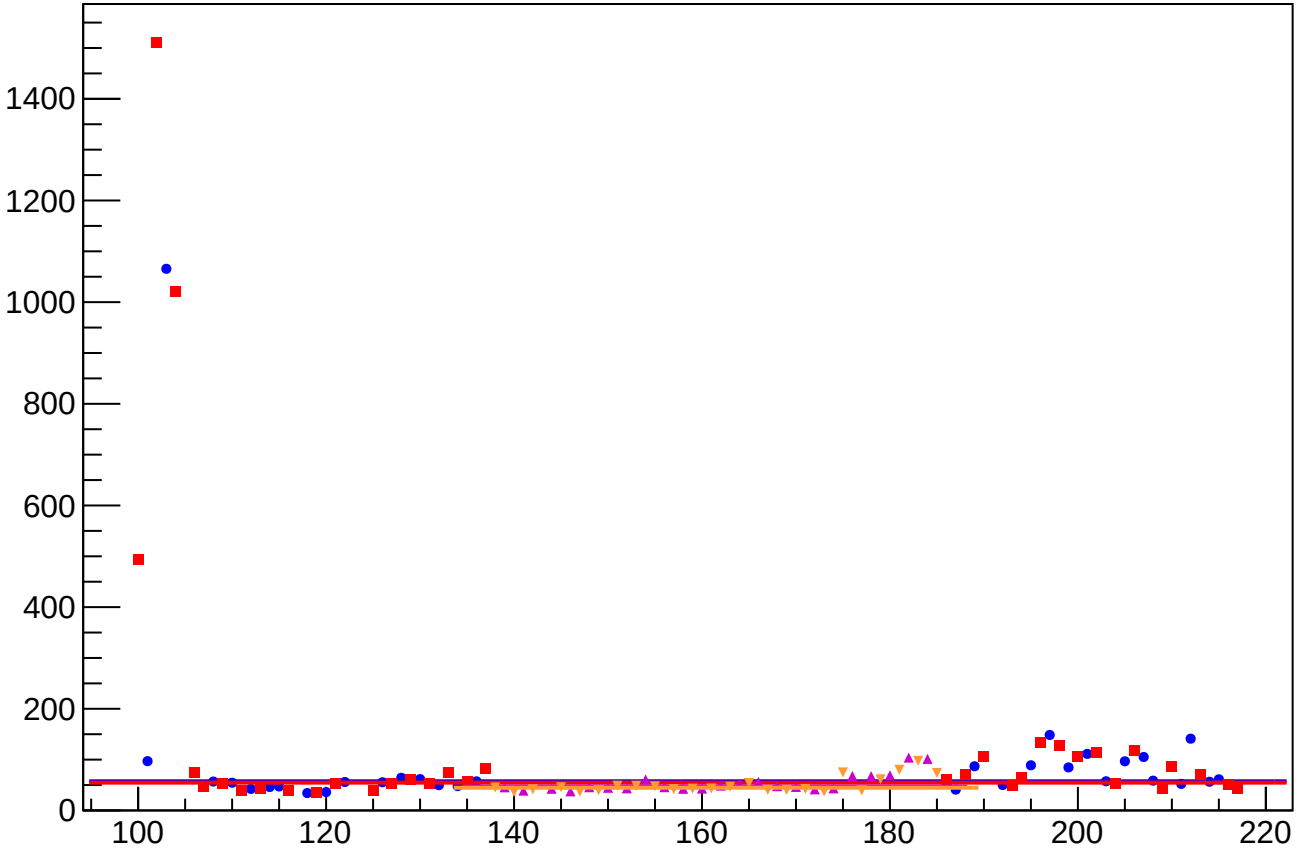
Right: 0.012+/-0.011 χ^2/NDF: 66.9/64

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.011+/-0.009 χ^2/NDF:68.9/57

All: 0.007+/-0.007 χ^2/NDF: 116.8/111

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: 54.756+/-0.010 χ^2/NDF: 5390718.4/33

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

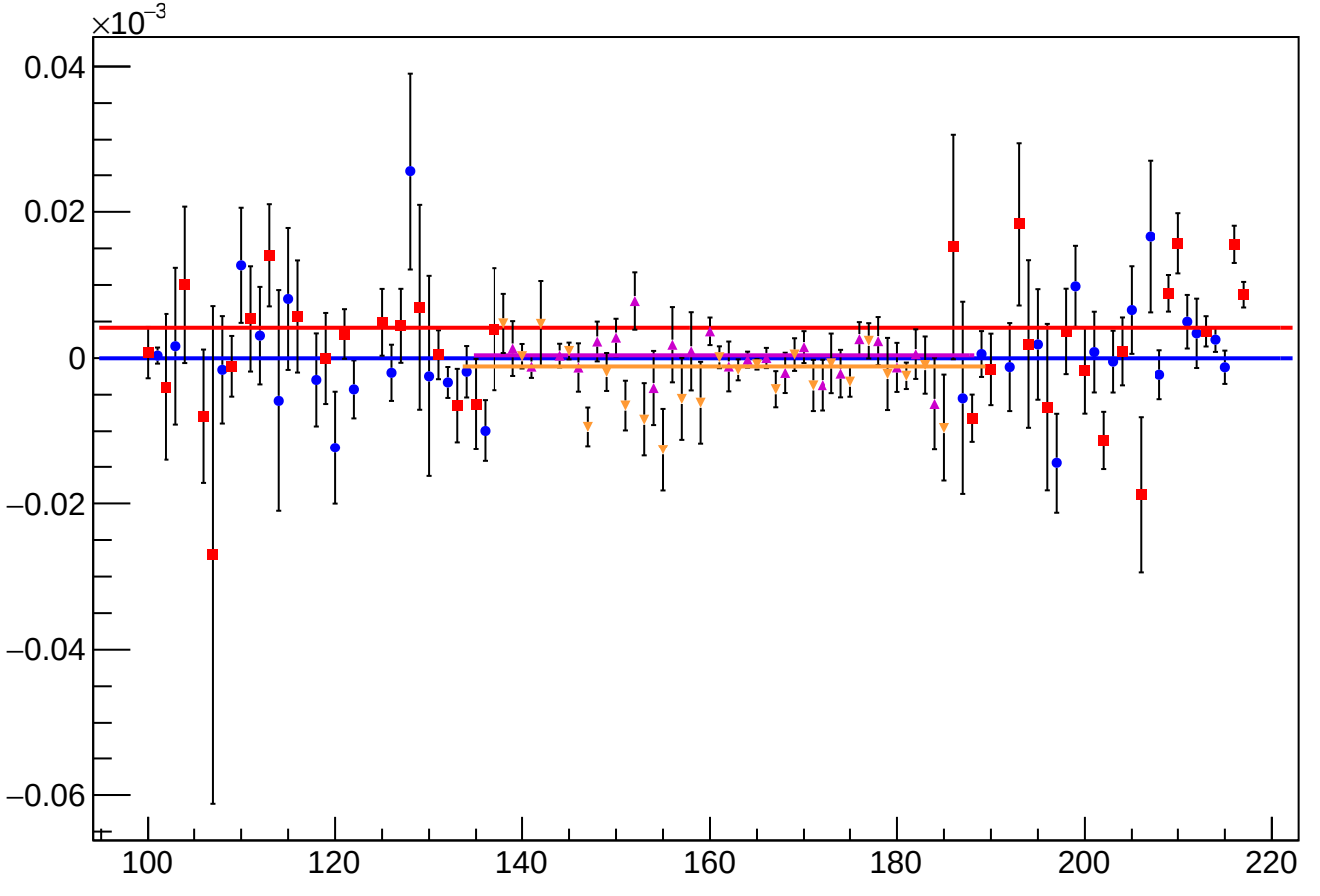
Right: 56.013+/-0.007 χ^2/NDF: 9900881.7/64

In: 50.947+/-0.007 χ^2/NDF:6430759.4/53

Out: 48.546+/-0.006 χ^2/NDF:7449510.9/57

All: 49.700+/-0.005 χ^2/NDF: 13947845.5/111

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 95.8/33

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

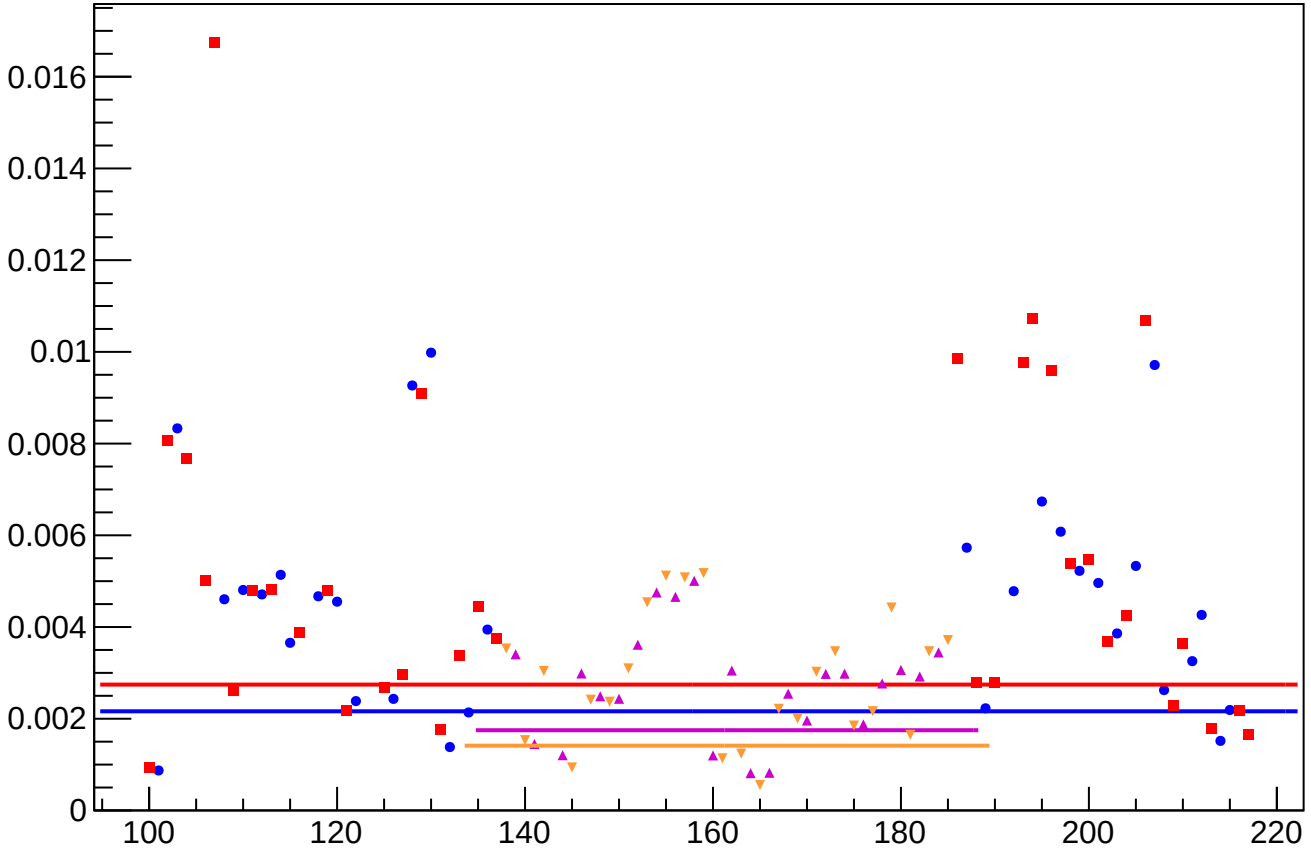
Right: 0.000+/-0.000 χ^2/NDF: 151.8/64

In: 0.000+/-0.000 χ^2/NDF:53.7/53

Out: 0.000+/-0.000 χ^2/NDF:171.5/57

All: 0.000+/-0.000 χ^2/NDF: 225.3/111

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: 10043237.2/33

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

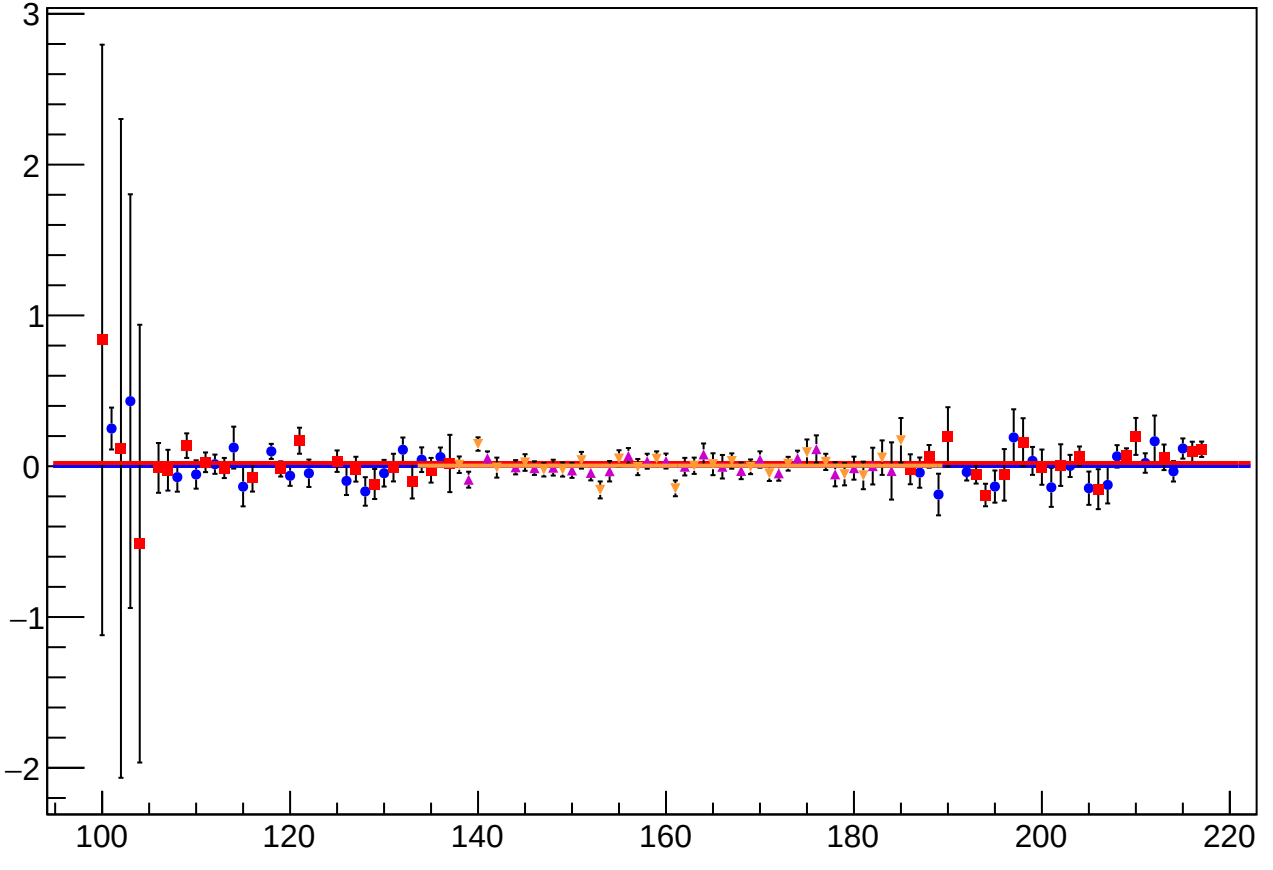
Right: 0.002+/-0.000 χ^2/NDF: 23305137.4/64

In: 0.002+/-0.000 χ^2/NDF:21305239.3/53

Out: 0.002+/-0.000 χ^2/NDF:26691605.4/57

All: 0.002+/-0.000 χ^2/NDF: 48216120.6/111

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: 0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

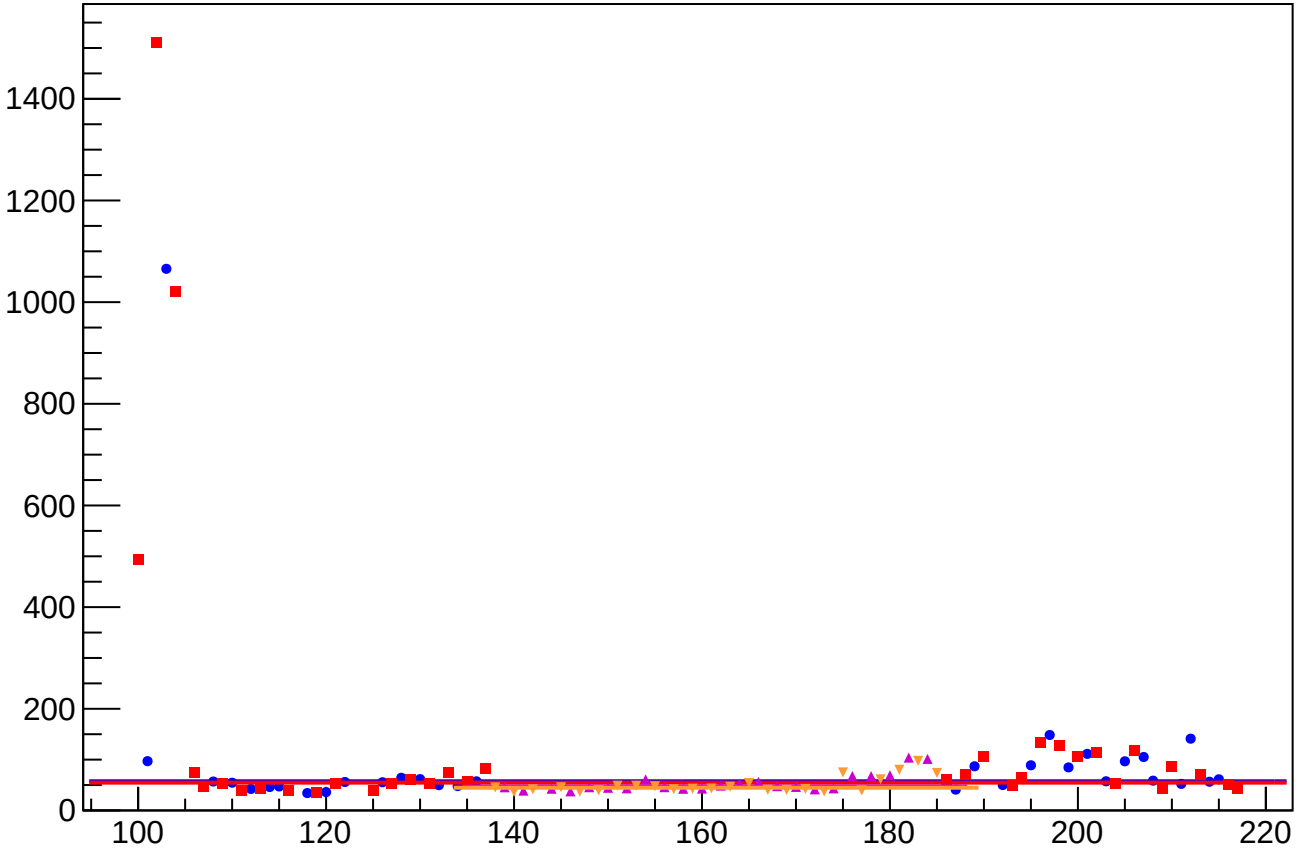
Right: 0.012+/-0.011 χ^2/NDF: 66.9/64

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.011+/-0.009 χ^2/NDF:68.9/57

All: 0.007+/-0.007 χ^2/NDF: 116.8/111

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: 54.755+/-0.010 χ^2/NDF: 5390904.5/33

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

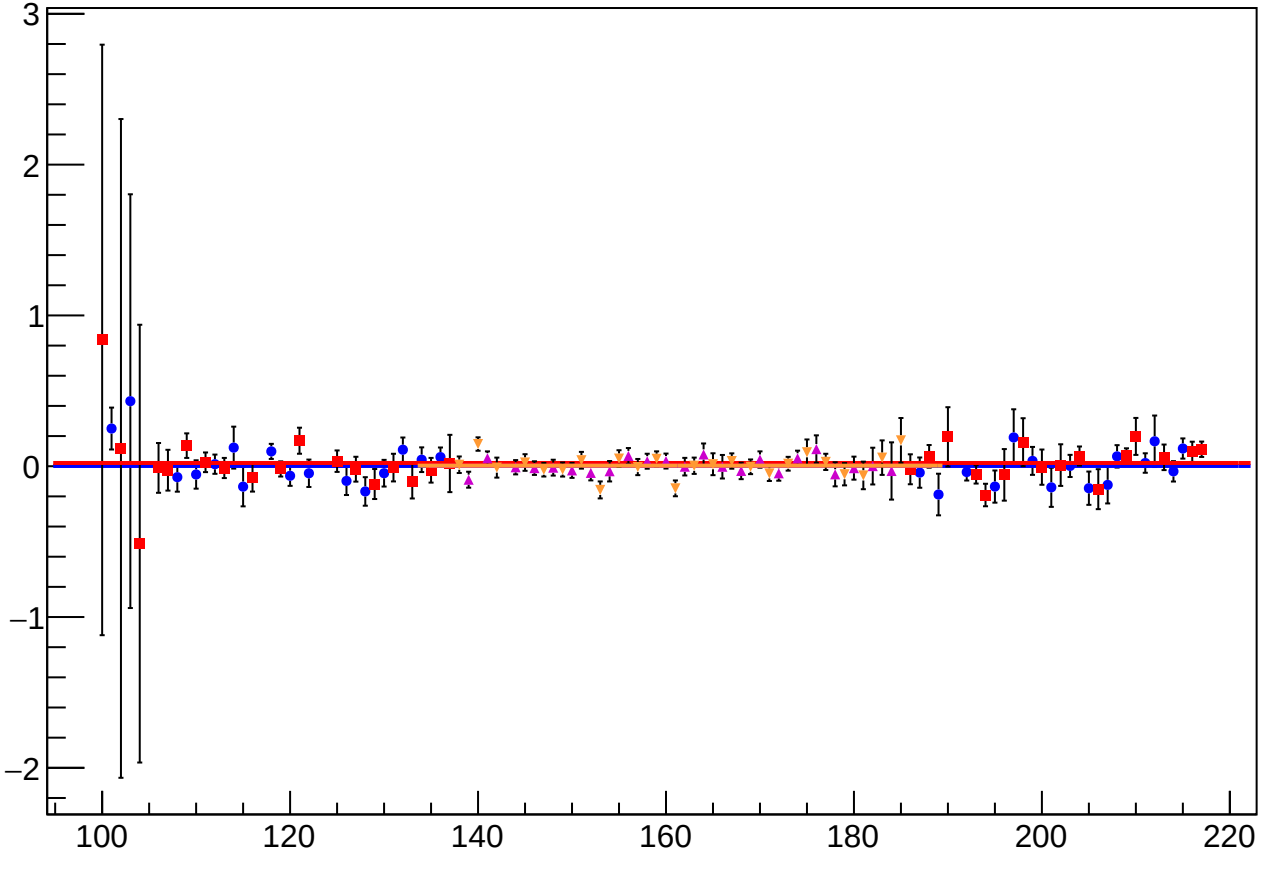
Right: 56.012+/-0.007 χ^2/NDF: 9901157.5/64

In: 50.947+/-0.007 χ^2/NDF:6430893.6/53

Out: 48.546+/-0.006 χ^2/NDF:7449585.0/57

All: 49.700+/-0.005 χ^2/NDF: 13948046.2/111

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: 0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

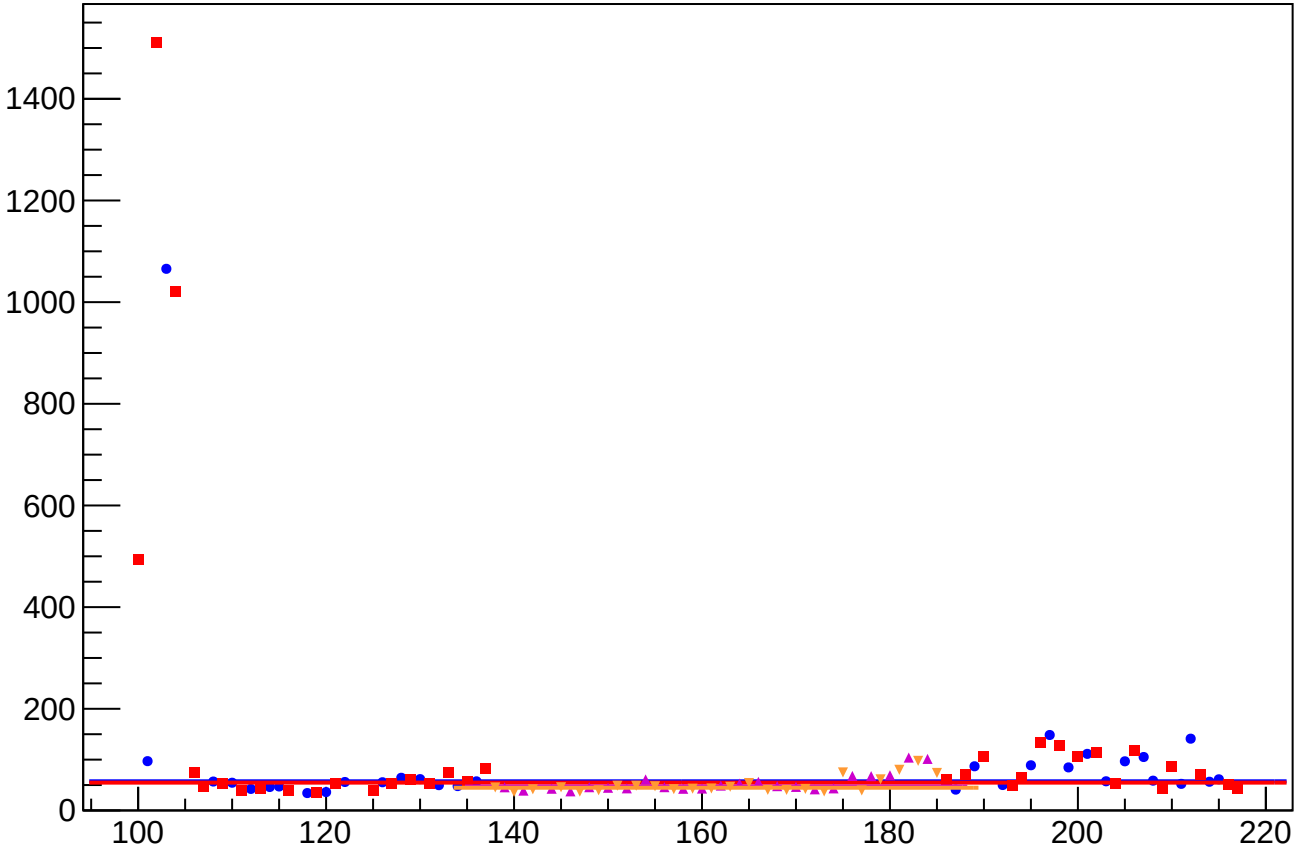
Right: 0.012+/-0.011 χ^2/NDF: 66.9/64

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.011+/-0.009 χ^2/NDF:68.9/57

All: 0.007+/-0.007 χ^2/NDF: 116.8/111

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: 54.755+/-0.010 χ^2/NDF: 5390904.5/33

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

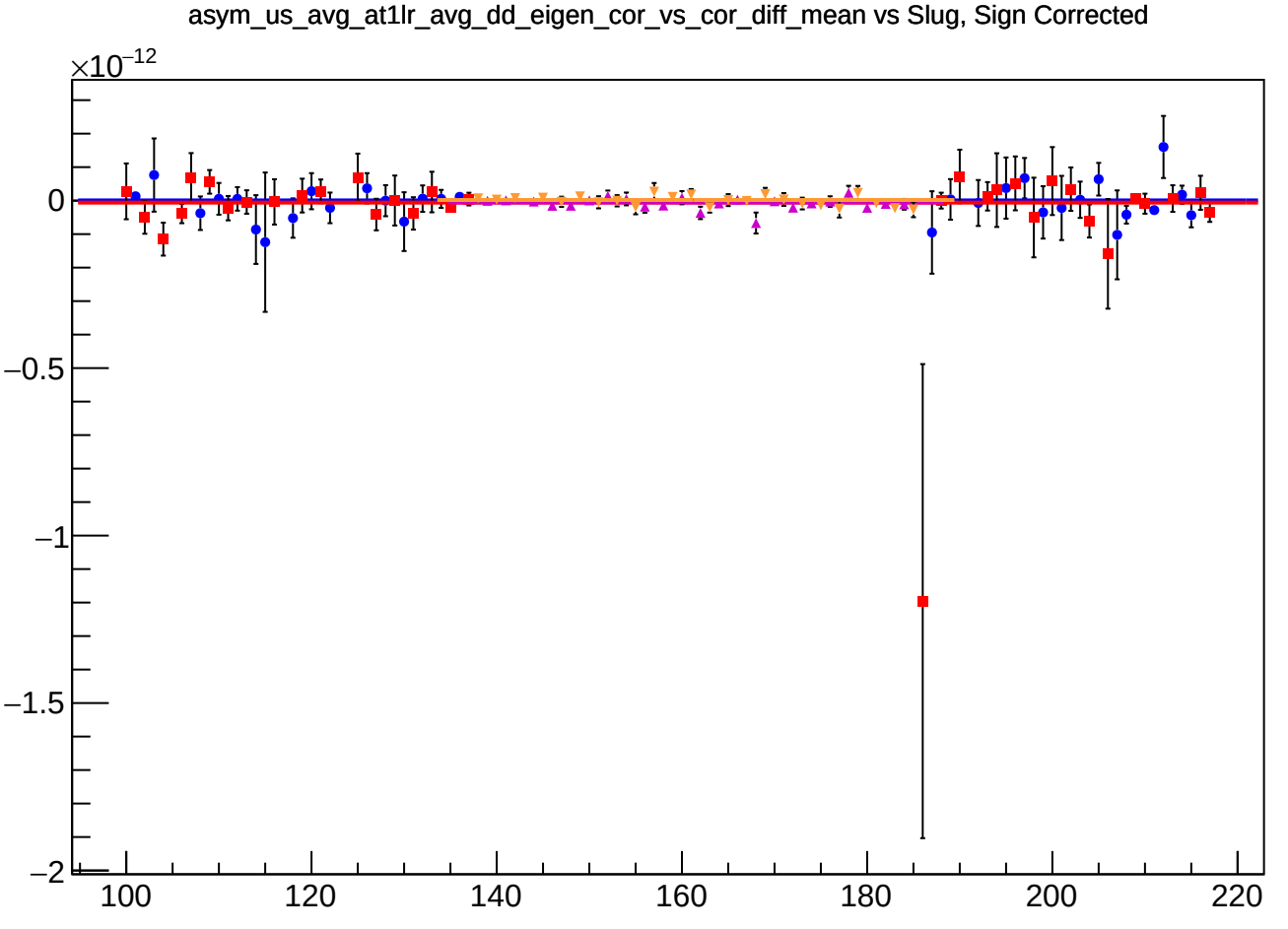
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 56.012+/-0.007 χ^2/NDF: 9901157.5/64

In: 50.947+/-0.007 χ^2/NDF:6430893.6/53

Out: 48.546+/-0.006 χ^2/NDF:7449585.0/57

All: 49.700+/-0.005 χ^2/NDF: 13948046.2/111



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: 27.0/33

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

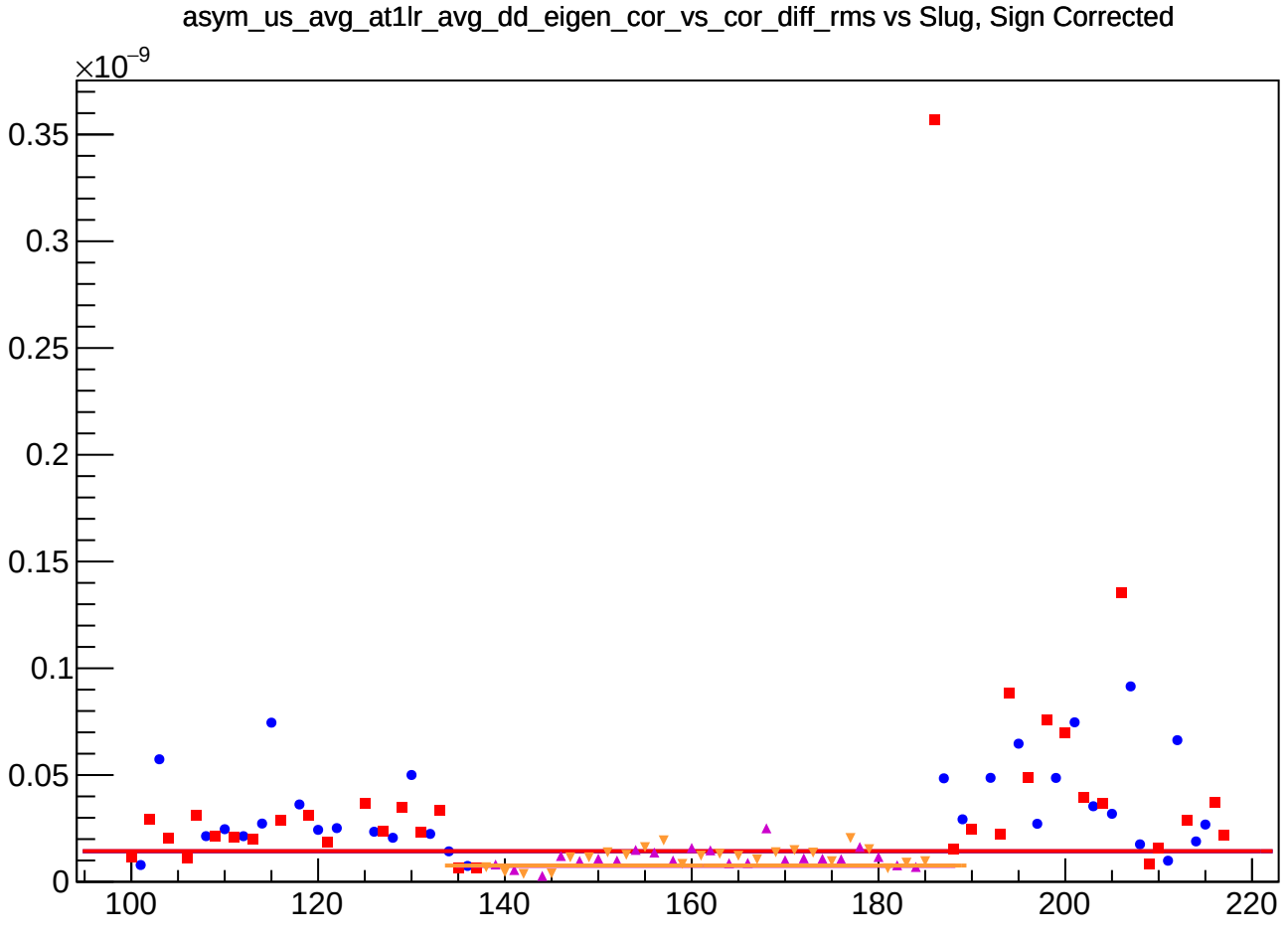
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

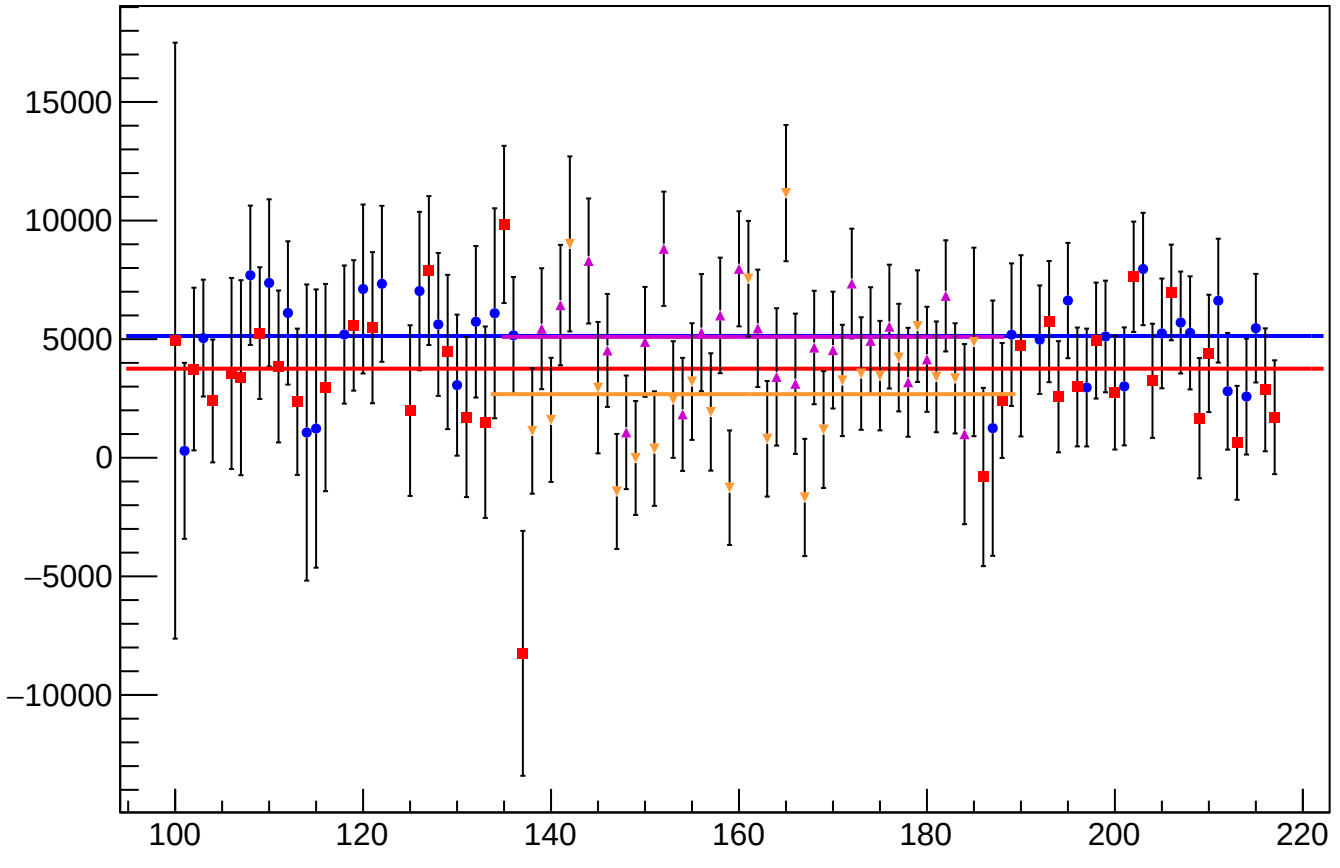
Right: -0.000+/-0.000 χ^2/NDF: 50.7/64

In: -0.000+/-0.000 χ^2/NDF:41.8/53

Out: 0.000+/-0.000 χ^2/NDF:49.2/57

All: -0.000+/-0.000 χ^2/NDF: 93.4/111


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8269984.8/30
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 9142239.6/33
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
Left: 0.000+/-0.000 χ²/NDF: 11550721.9/46
Right: 0.000+/-0.000 χ²/NDF: 17412578.1/64
In: 0.000+/-0.000 χ²/NDF:16843966.9/53
Out: 0.000+/-0.000 χ²/NDF:17268559.0/57
All: 0.000+/-0.000 χ²/NDF: 34118270.8/111



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: 3755.044+/-494.351 χ^2/NDF: 24.9/33

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

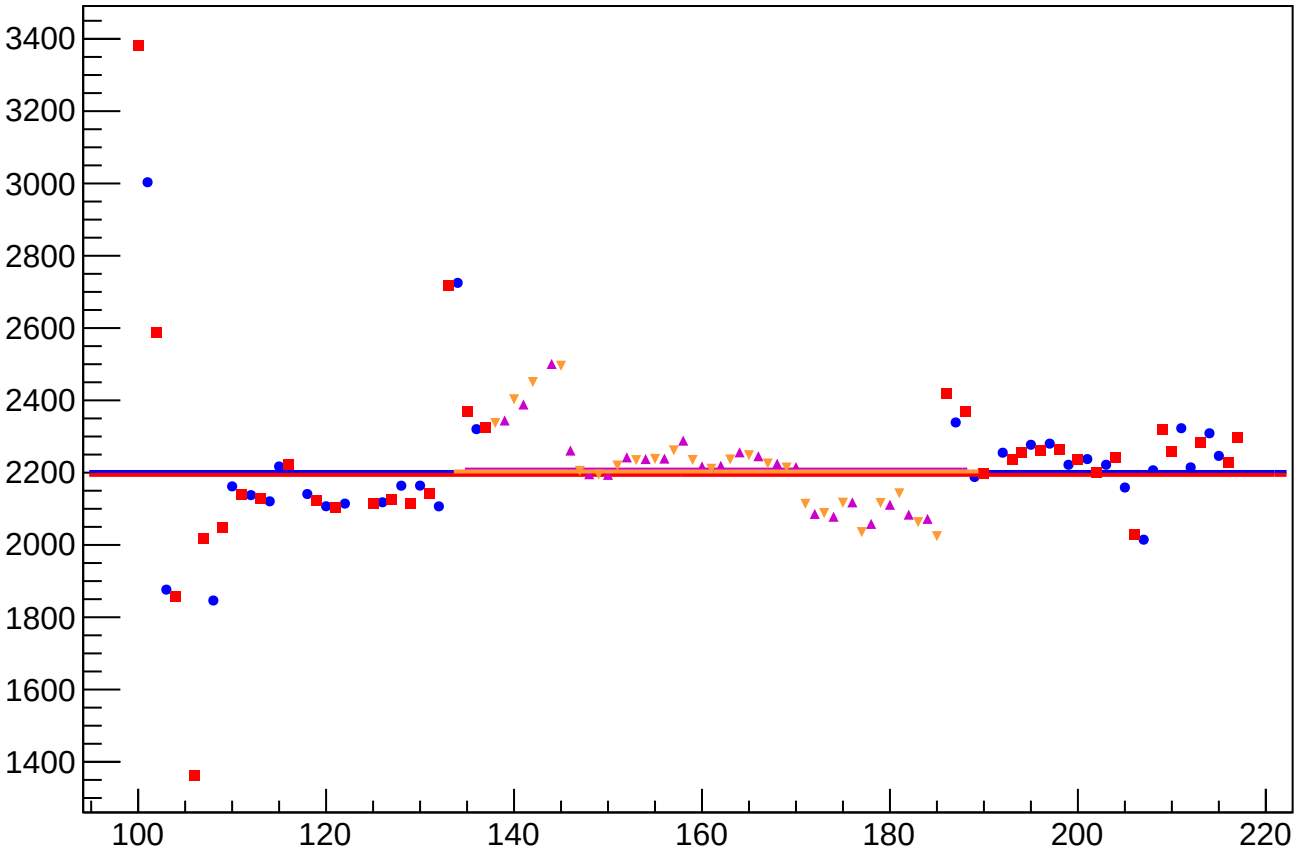
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4432.630+/-352.586 χ^2/NDF: 40.5/64

In: 5115.807+/-360.271 χ^2/NDF:26.7/53

Out: 3237.776+/-355.641 χ^2/NDF:58.0/57

All: 4164.646+/-253.097 χ^2/NDF: 98.4/111



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: 2193.936+/-0.347 χ^2/NDF: 340332.9/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

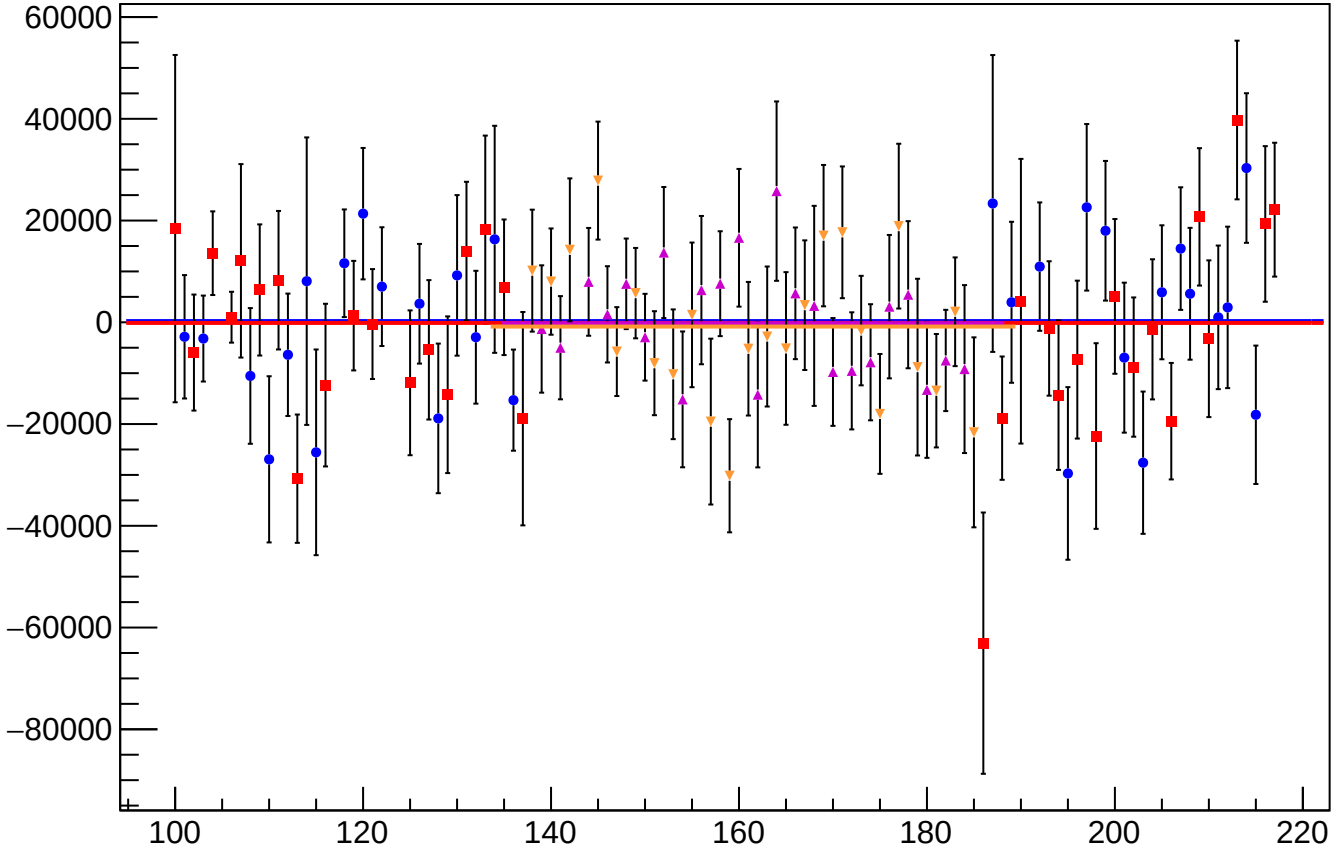
Right: 2197.810+/-0.249 χ^2/NDF: 571436.7/64

In: 2205.040+/-0.255 χ^2/NDF:312006.6/53

Out: 2198.424+/-0.251 χ^2/NDF:428889.2/57

All: 2201.679+/-0.179 χ^2/NDF: 741238.5/111

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 238.627+/-2438.031 χ^2/NDF: 35.0/30

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -120.591+/-2186.618 χ^2/NDF: 43.6/33

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

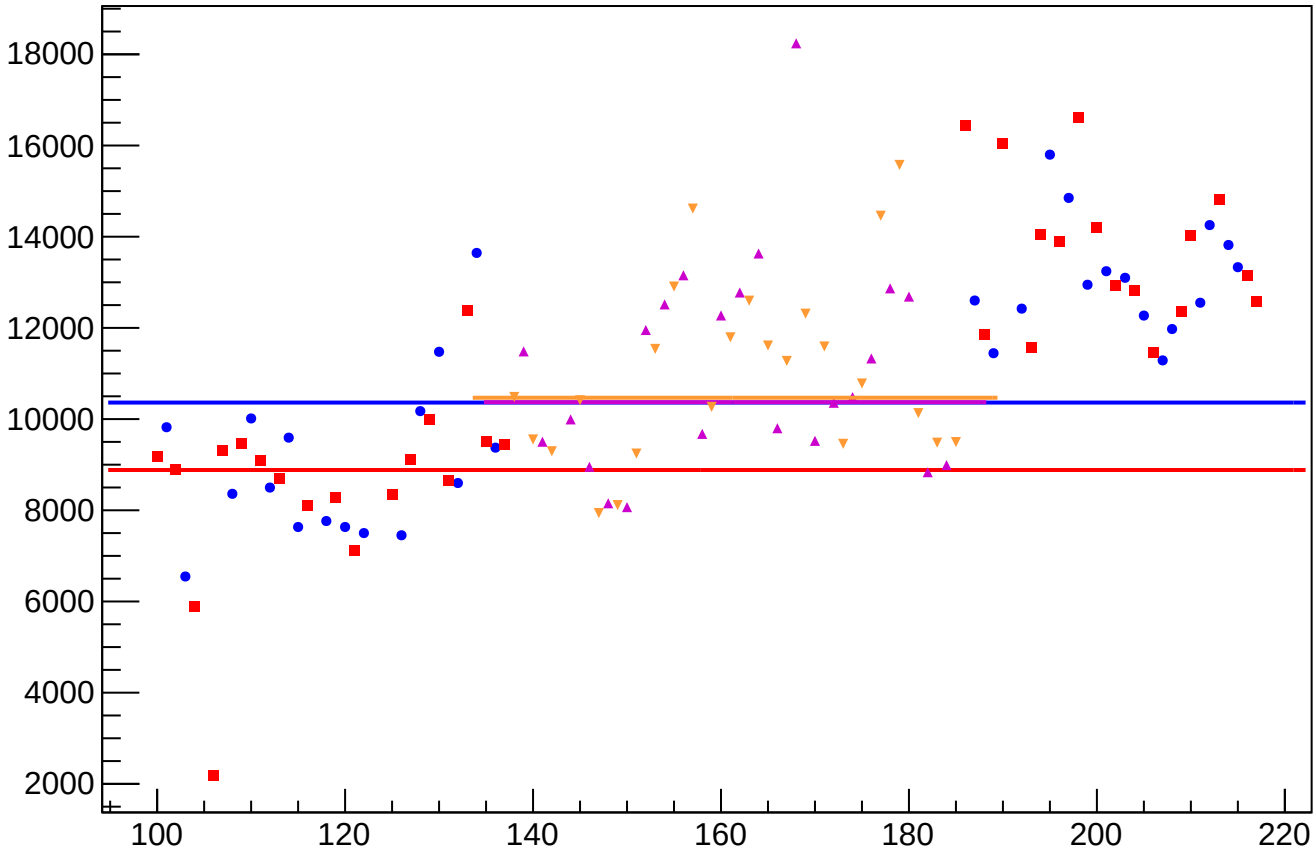
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

Right: 39.547+/-1627.825 χ^2/NDF: 78.6/64

In: 30.947+/-1735.564 χ^2/NDF:48.8/53

Out: -432.189+/-1640.564 χ^2/NDF:73.1/57

All: -213.643+/-1192.225 χ^2/NDF: 121.9/111



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: 8883.579+/-1.546 χ^2/NDF: 6986204.6/33

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

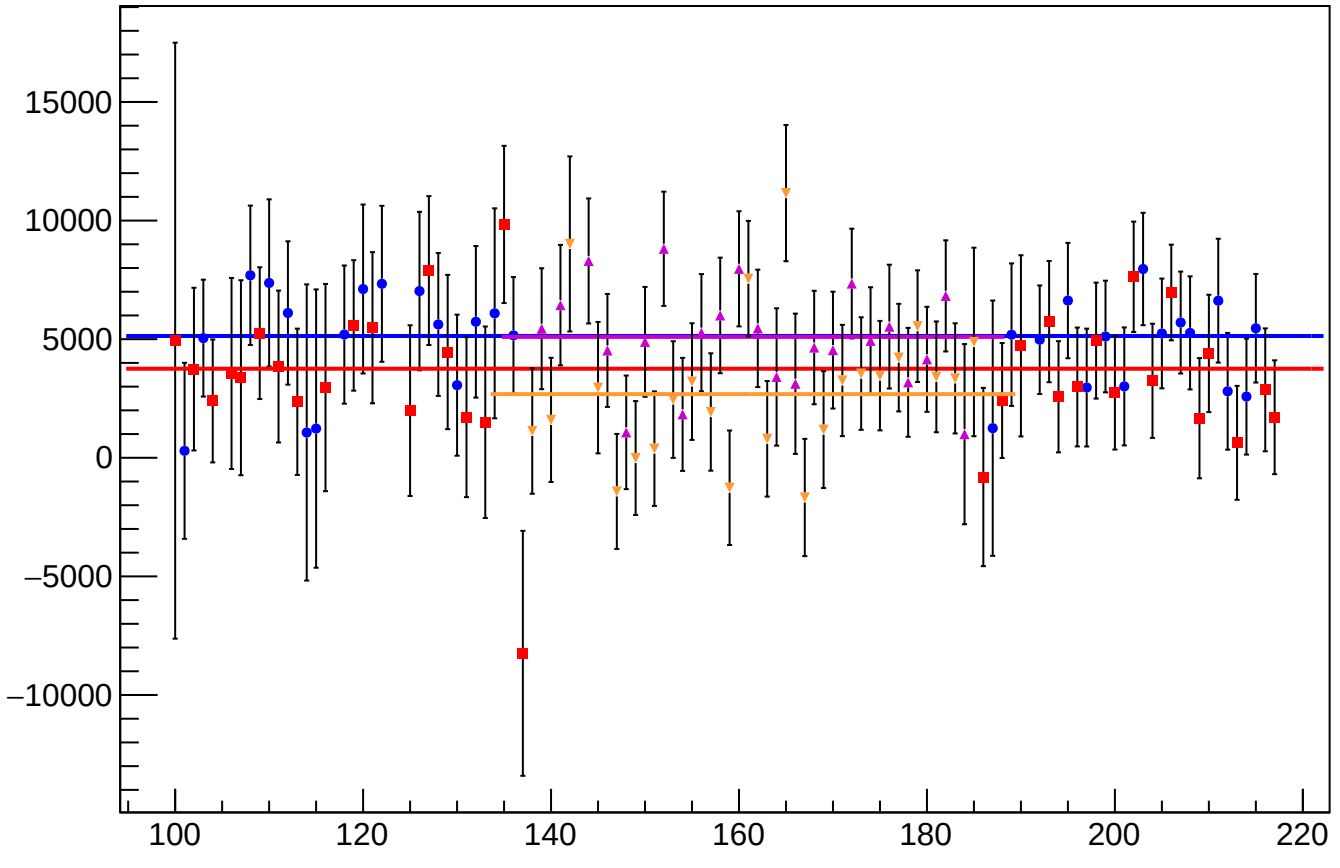
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9542.867+/-1.151 χ^2/NDF: 9613174.7/64

In: 10366.629+/-1.227 χ^2/NDF:3422893.4/53

Out: 9576.407+/-1.160 χ^2/NDF:8490834.1/57

All: 9949.300+/-0.843 χ^2/NDF: 12132693.8/1



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: 3754.963+/-494.351 χ^2/NDF: 24.9/33

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

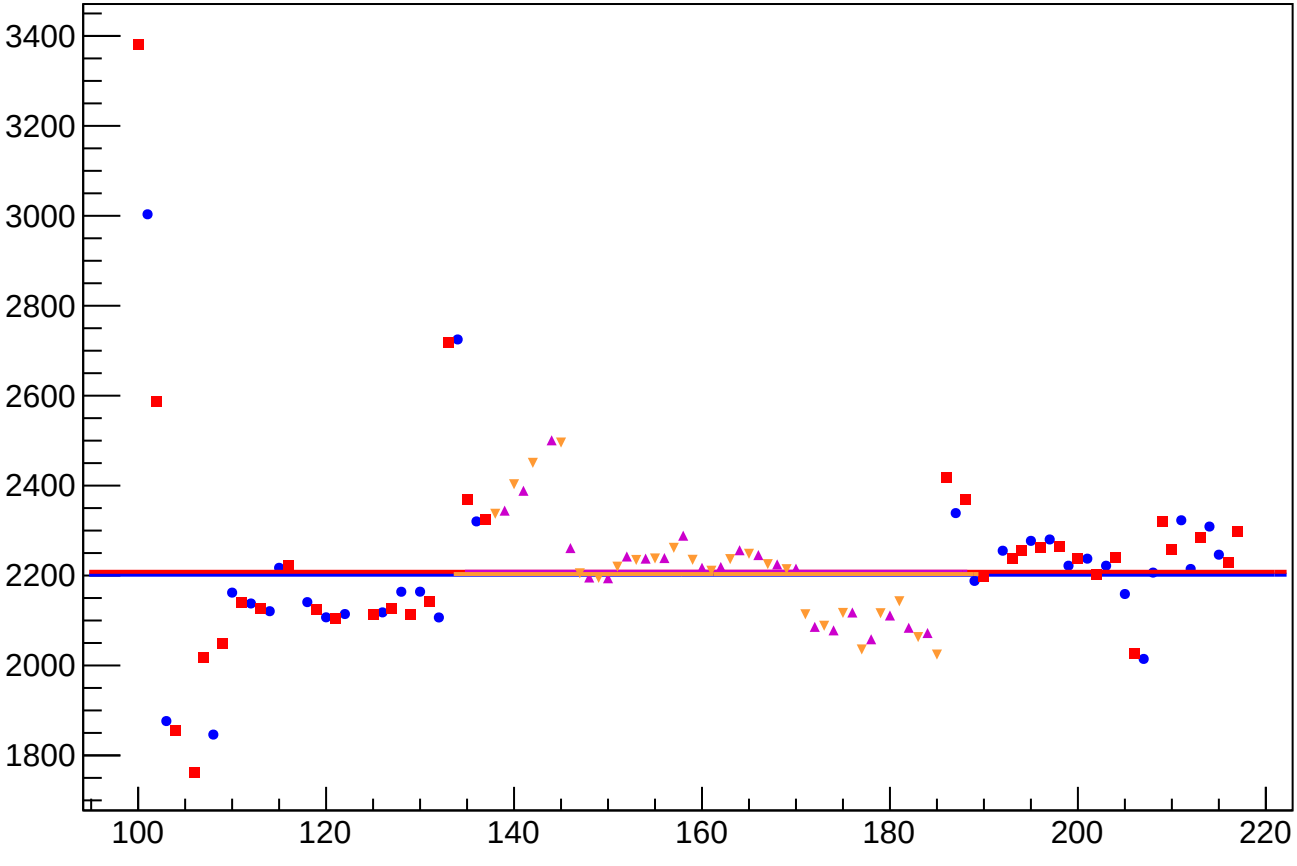
Right: 4432.599+/-352.586 χ^2/NDF: 40.4/64

In: 5115.771+/-360.271 χ^2/NDF:26.7/53

Out: 3237.696+/-355.641 χ^2/NDF:58.0/57

All: 4164.588+/-253.097 χ^2/NDF: 98.4/111

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



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: 2208.359+/-0.349 χ^2/NDF: 213757.3/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

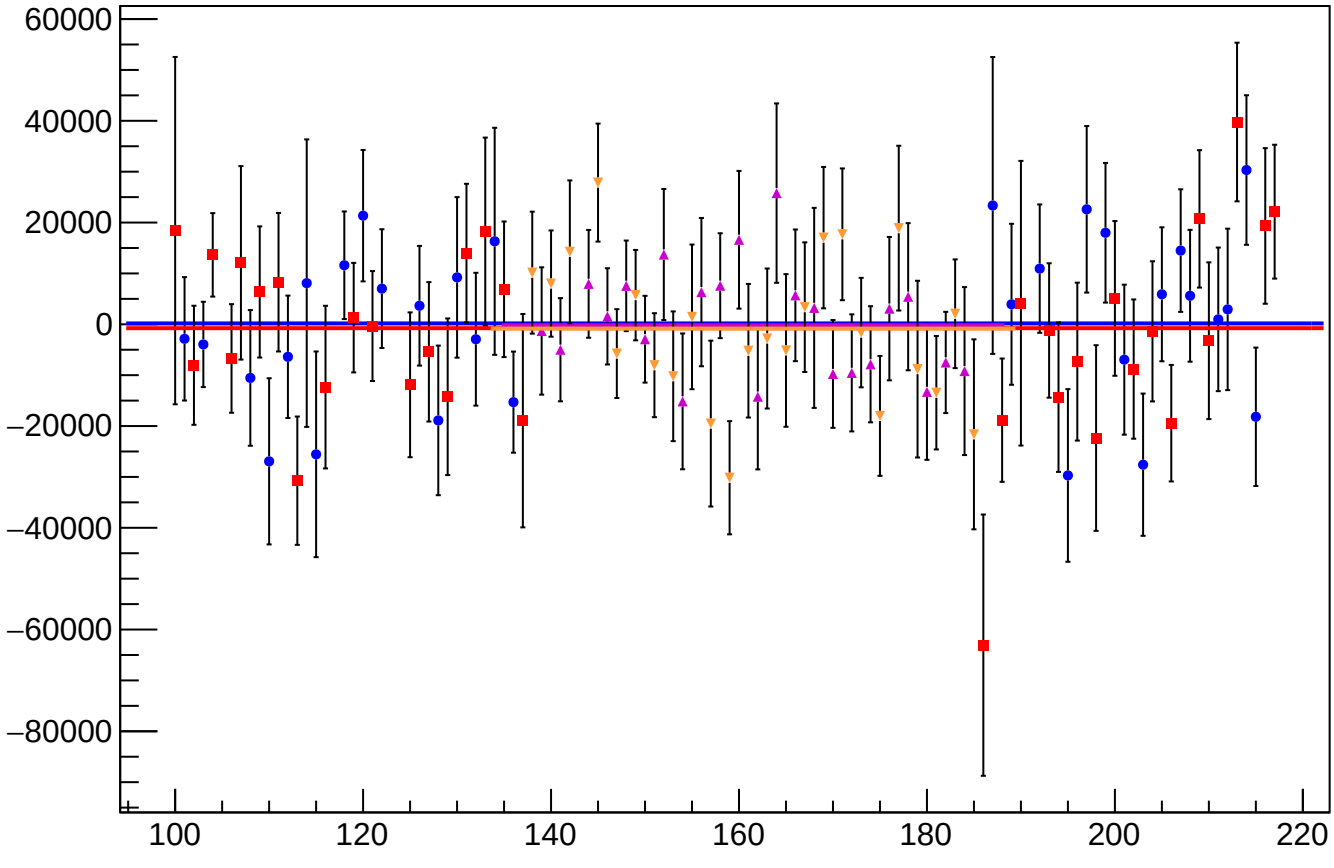
Right: 2205.177+/-0.249 χ^2/NDF: 444776.5/64

In: 2205.040+/-0.255 χ^2/NDF:312007.0/53

Out: 2205.921+/-0.251 χ^2/NDF:302067.0/57

All: 2205.487+/-0.179 χ^2/NDF: 614080.0/111

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: -762.308+/-2372.858 χ^2/NDF: 44.1/33

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

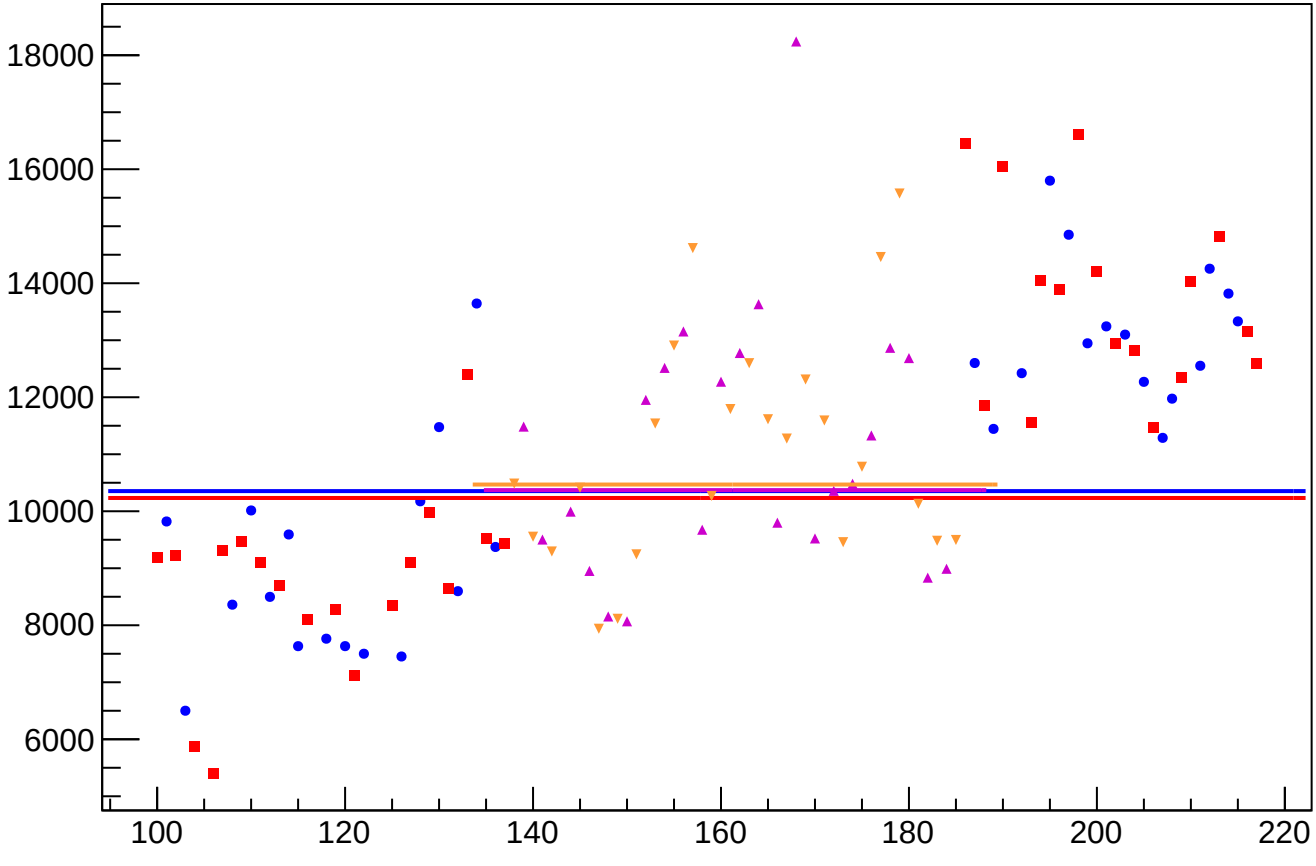
Right: -308.615+/-1699.908 χ^2/NDF: 79.3/64

In: -3.822+/-1735.000 χ^2/NDF:48.9/53

Out: -796.292+/-1714.975 χ^2/NDF:73.6/57

All: -404.657+/-1219.689 χ^2/NDF: 122.5/111

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 10353.579+/-1.723 χ^2/NDF: 2235691.1/30

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10232.932+/-1.678 χ^2/NDF: 2963166.2/33

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

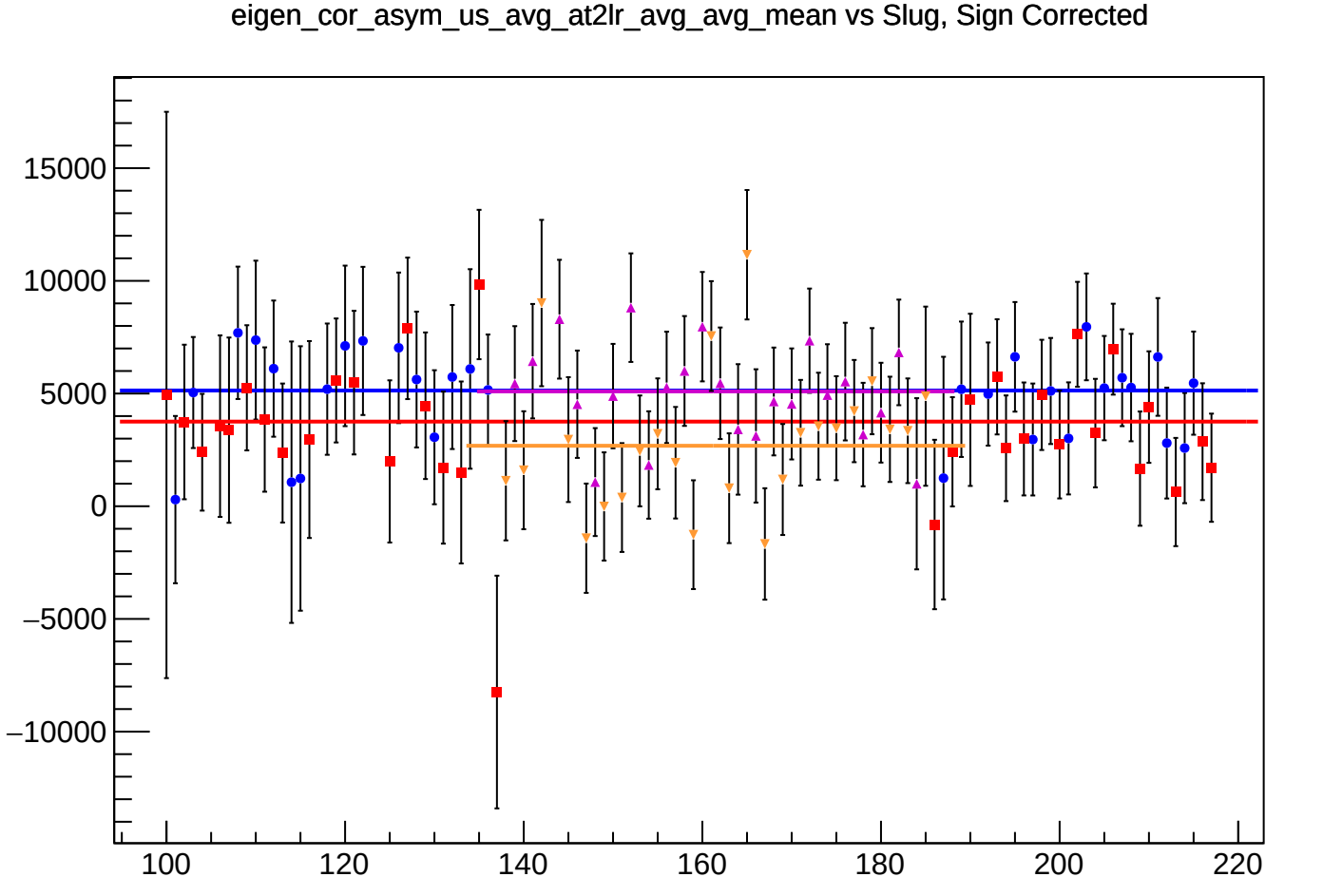
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10291.660+/-1.202 χ^2/NDF: 5201374.1/64

In: 10362.110+/-1.227 χ^2/NDF:3439504.6/53

Out: 10345.532+/-1.213 χ^2/NDF:4017853.8/57

All: 10353.725+/-0.862 χ^2/NDF: 7457450.8/1



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: 3754.963+/-494.351 χ^2/NDF: 24.9/33

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

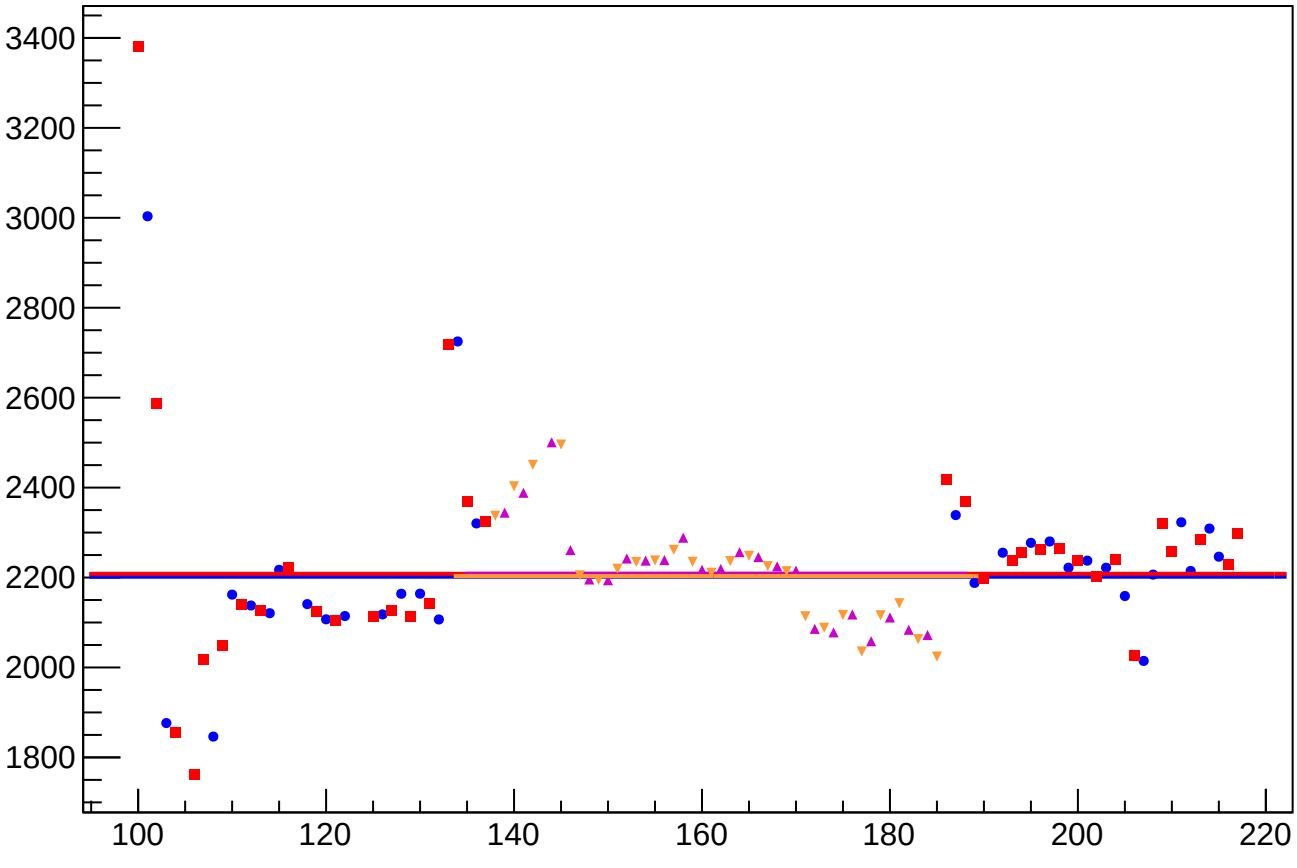
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4432.599+/-352.586 χ^2/NDF: 40.4/64

In: 5115.771+/-360.271 χ^2/NDF:26.7/53

Out: 3237.696+/-355.641 χ^2/NDF:58.0/57

All: 4164.588+/-253.097 χ^2/NDF: 98.4/111



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: 2208.359+/-0.349 χ^2/NDF: 213757.3/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

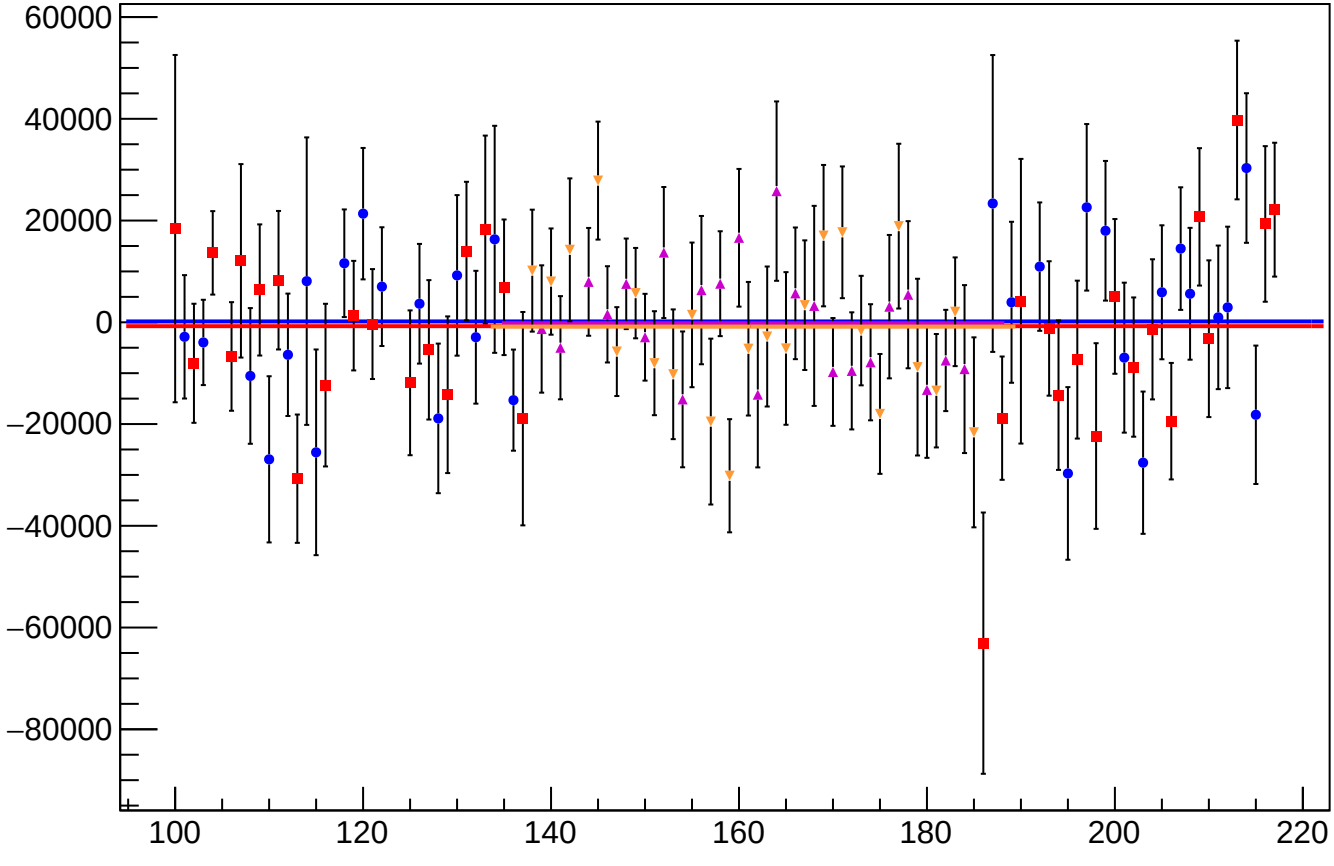
Right: 2205.177+/-0.249 χ^2/NDF: 444776.5/64

In: 2205.040+/-0.255 χ^2/NDF:312007.0/53

Out: 2205.921+/-0.251 χ^2/NDF:302067.0/57

All: 2205.487+/-0.179 χ^2/NDF: 614080.0/111

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: -762.308+/-2372.858 χ^2/NDF: 44.1/33

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

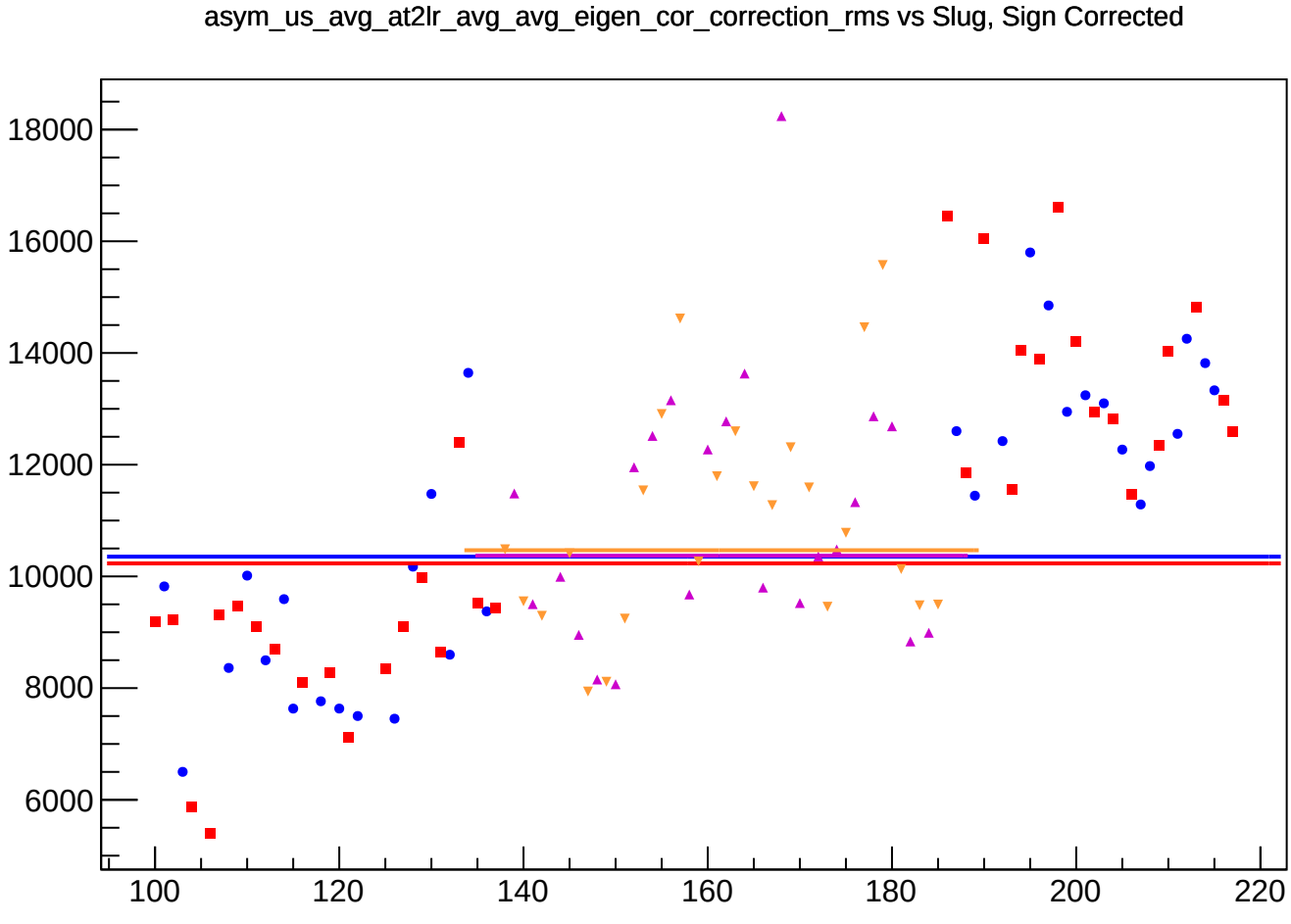
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

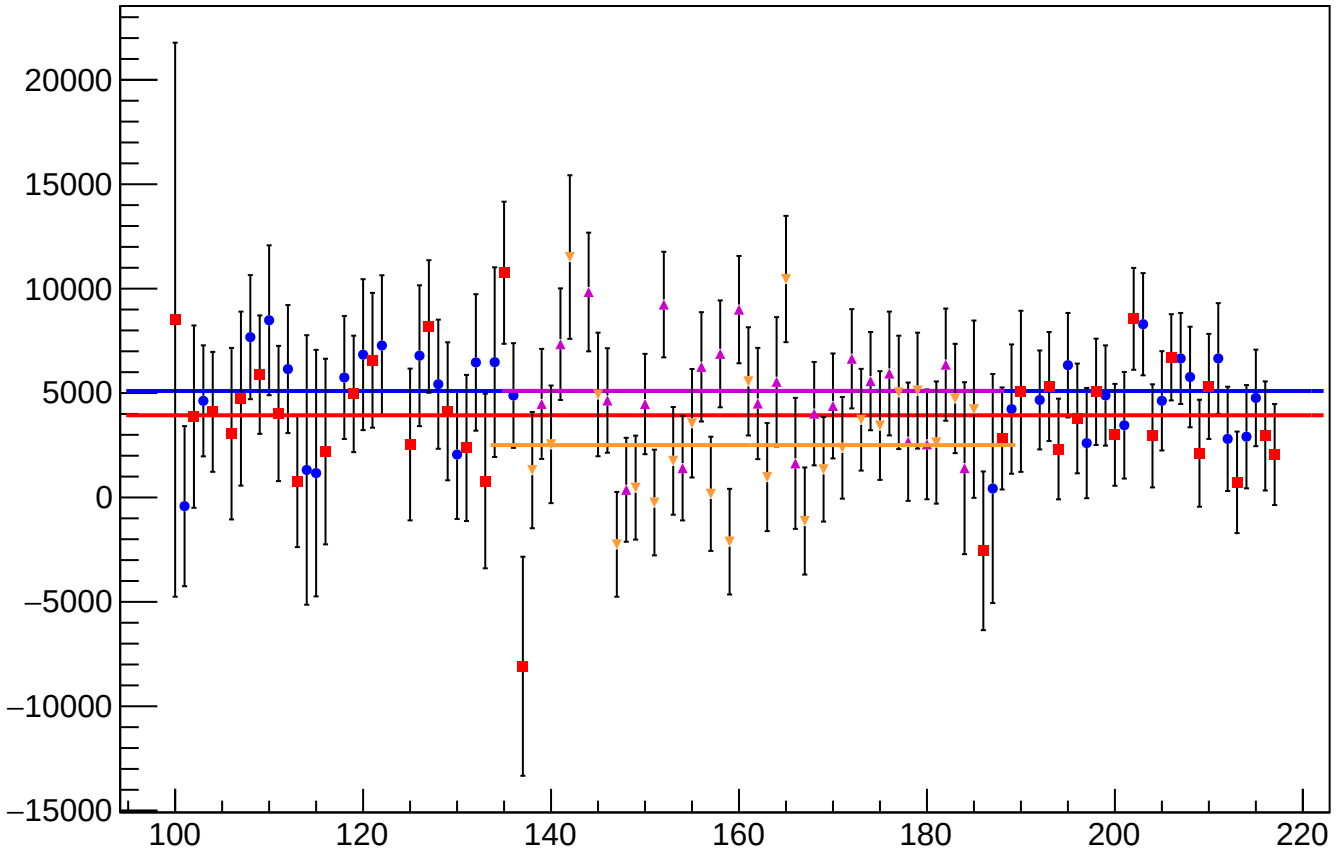
Right: -308.615+/-1699.908 χ^2/NDF: 79.3/64

In: -3.822+/-1735.000 χ^2/NDF:48.9/53

Out: -796.292+/-1714.975 χ^2/NDF:73.6/57

All: -404.657+/-1219.689 χ^2/NDF: 122.5/111


asym_us_avg_at2lr_avg_avg_eigen_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: 10232.932+/-1.678 χ²/NDF: 2963166.2/33
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 10291.660+/-1.202 χ²/NDF: 5201374.1/64
In: 10362.110+/-1.227 χ²/NDF:3439504.6/53
Out: 10345.532+/-1.213 χ²/NDF:4017853.8/57
All: 10353.725+/-0.862 χ²/NDF: 7457450.8/1



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: 3936.550+/-508.127 χ^2/NDF: 27.8/33

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

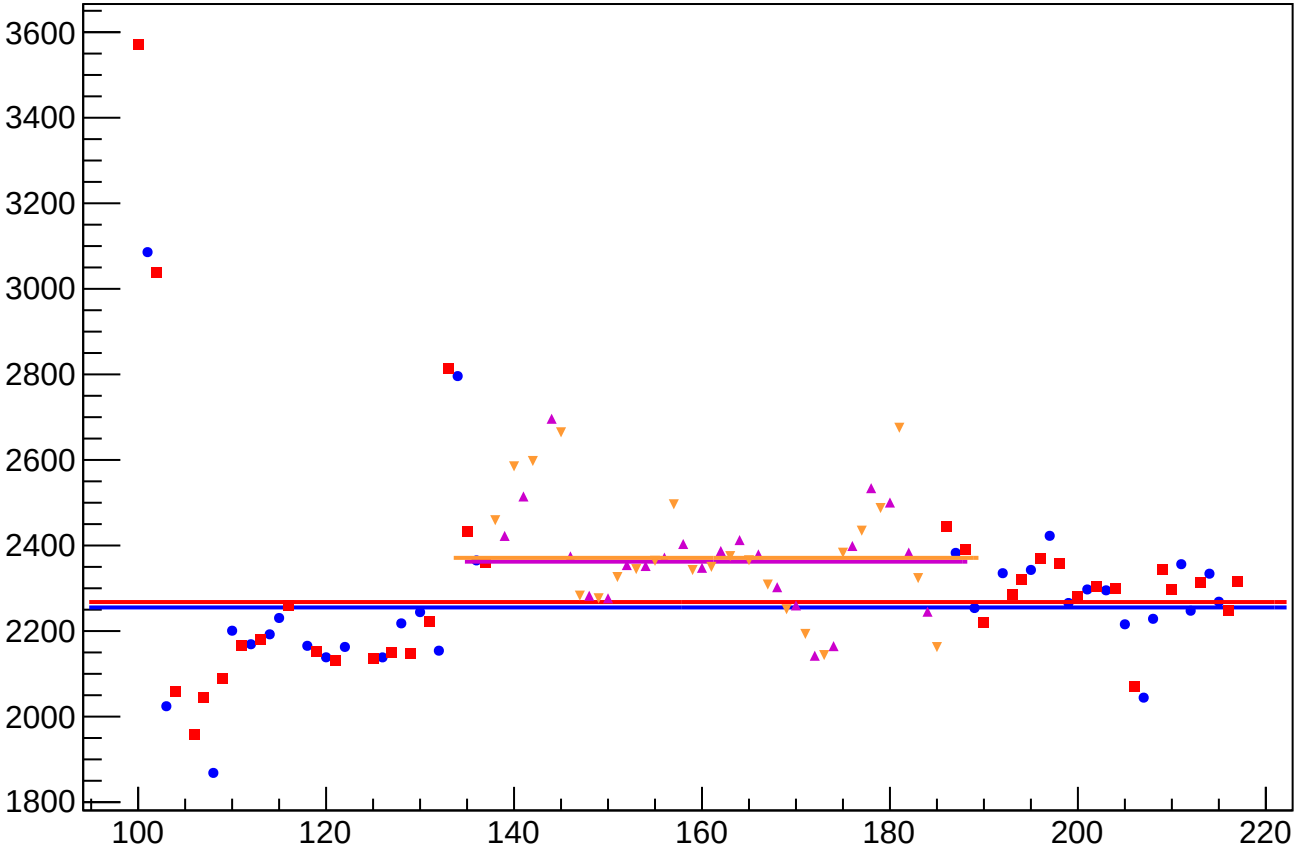
Right: 4509.680+/-361.832 χ^2/NDF: 43.9/64

In: 5100.994+/-376.890 χ^2/NDF:33.5/53

Out: 3281.229+/-373.726 χ^2/NDF:61.2/57

All: 4183.441+/-265.375 χ^2/NDF: 106.4/111

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



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: 2267.841+/-0.359 χ^2/NDF: 215183.3/33

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

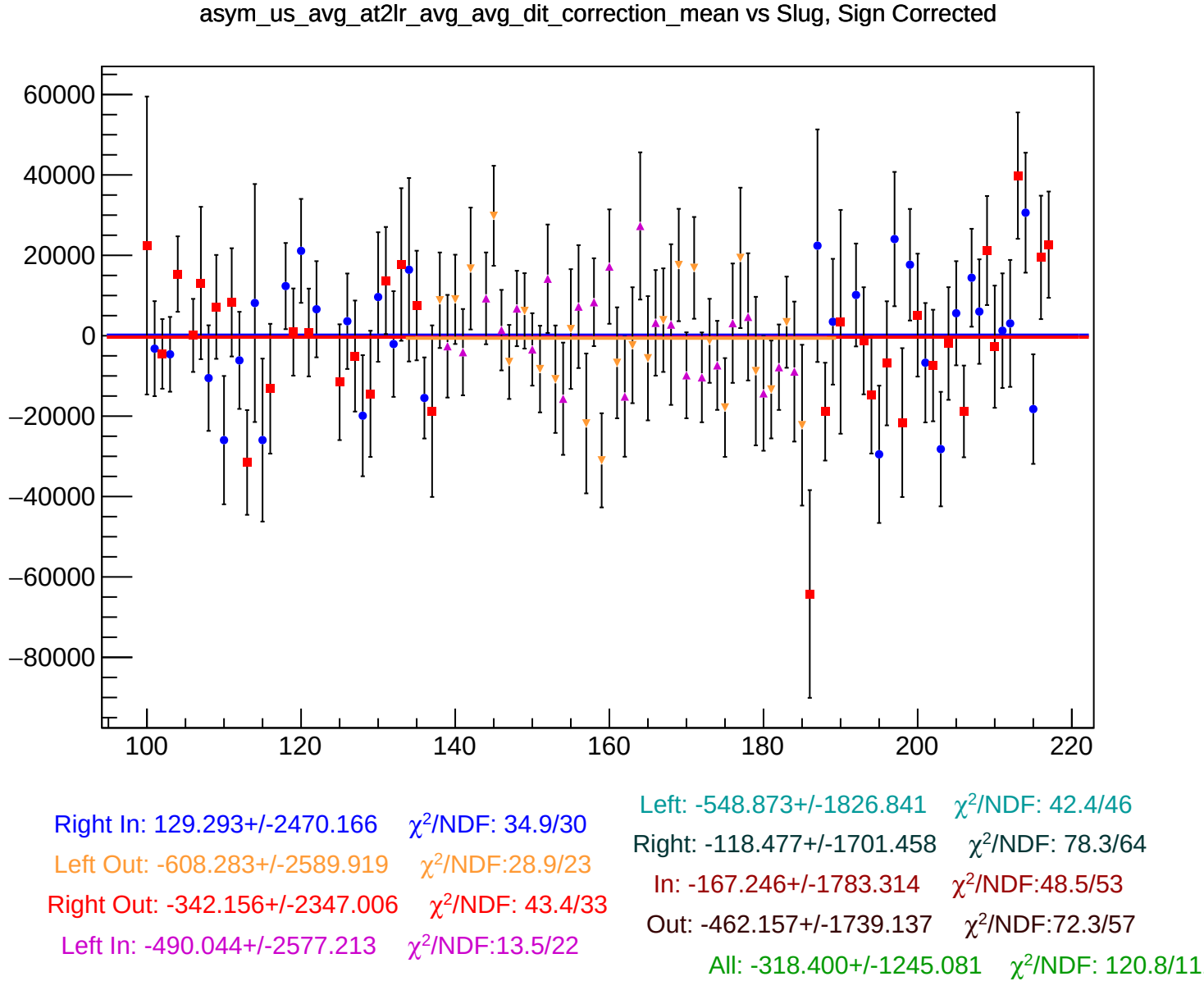
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

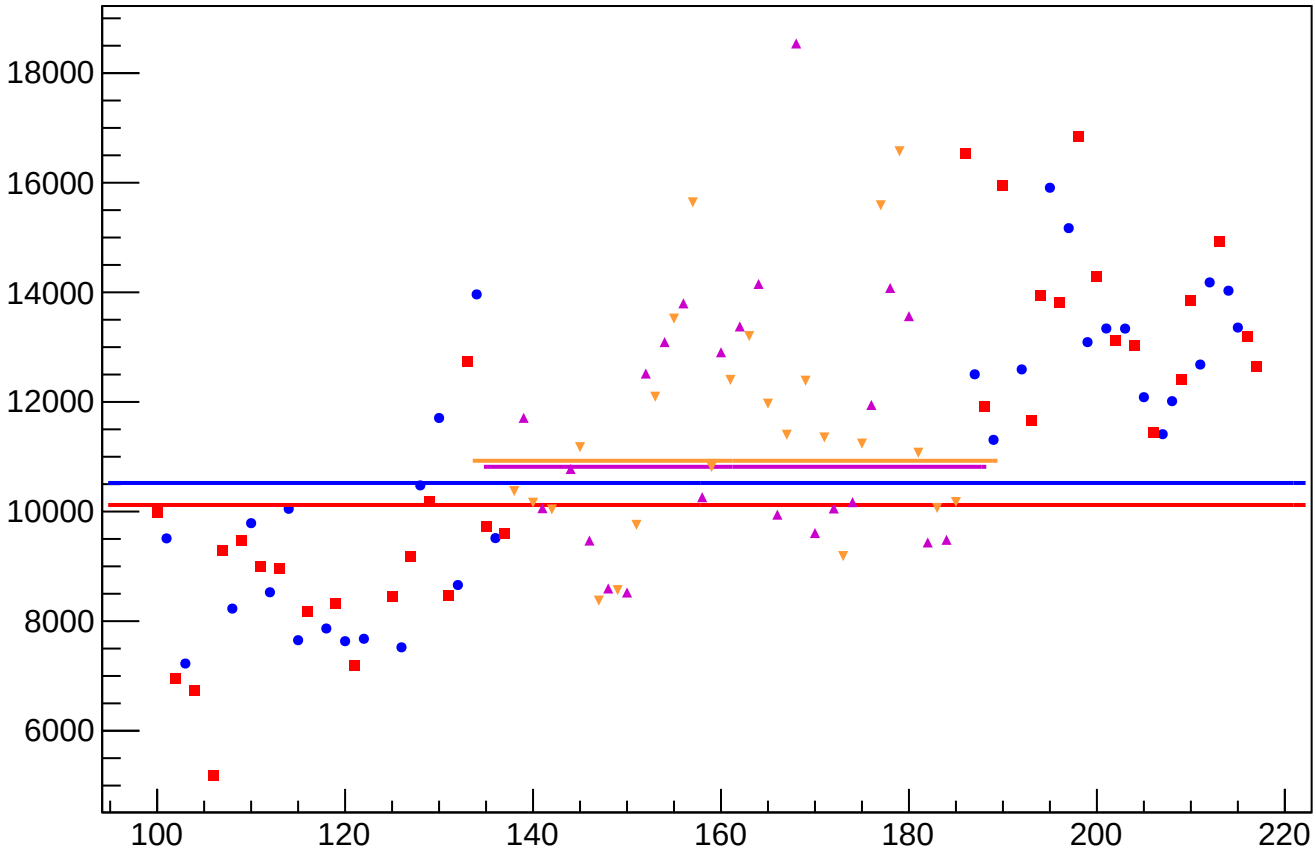
Right: 2261.613+/-0.256 χ^2/NDF: 442686.2/64

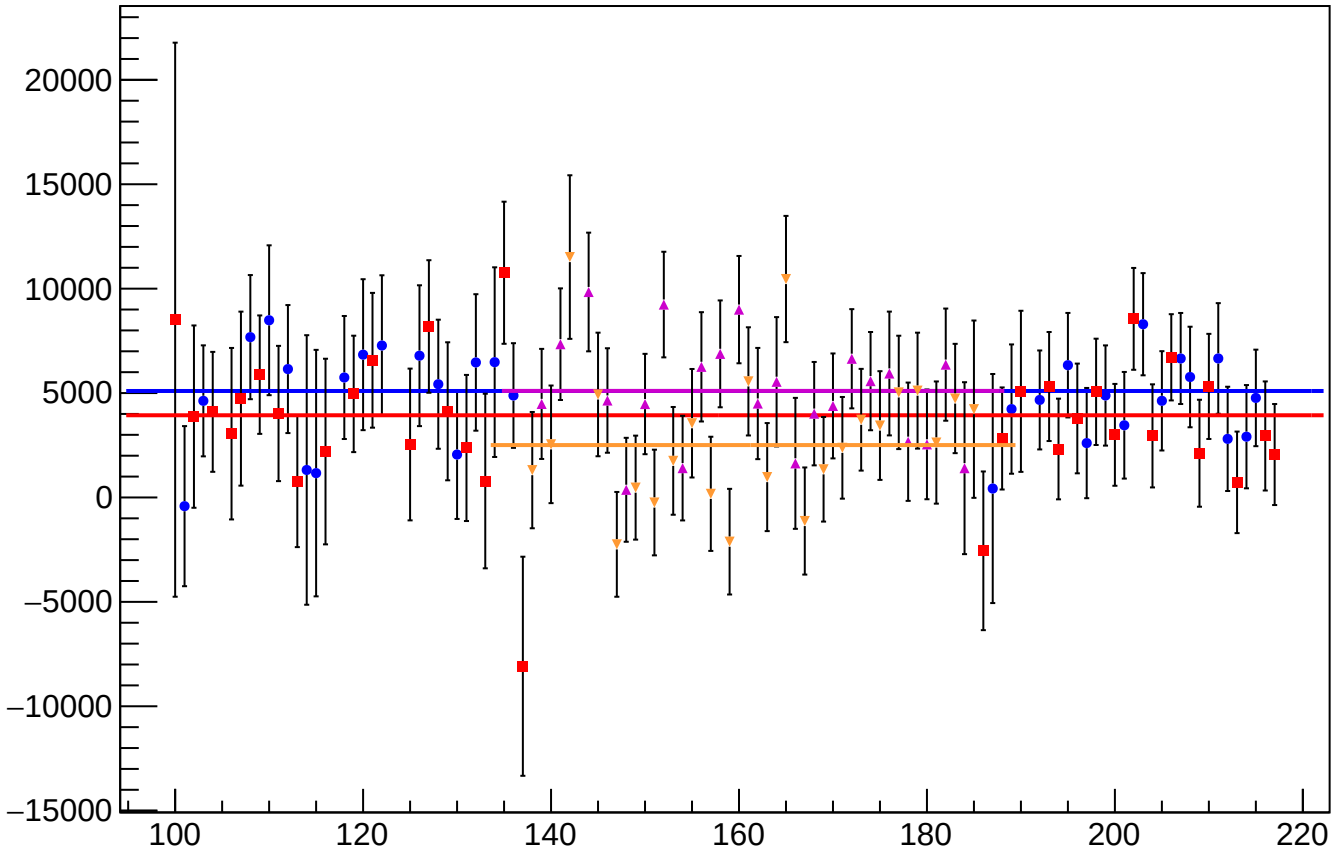
In: 2304.987+/-0.267 χ^2/NDF:358905.0/53

Out: 2315.247+/-0.264 χ^2/NDF:369428.6/57

All: 2310.160+/-0.188 χ^2/NDF: 729081.1/111


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 129.293+/-2470.166 χ²/NDF: 34.9/30
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -342.156+/-2347.006 χ²/NDF: 43.4/33
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: -118.477+/-1701.458 χ²/NDF: 78.3/64
In: -167.246+/-1783.314 χ²/NDF:48.5/53
Out: -462.157+/-1739.137 χ²/NDF:72.3/57
All: -318.400+/-1245.081 χ²/NDF: 120.8/111


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: 10119.789+/-1.660 χ²/NDF: 3160726.6/33
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 10310.423+/-1.203 χ²/NDF: 5249722.8/64
In: 10662.706+/-1.261 χ²/NDF:3271639.3/53
Out: 10483.710+/-1.230 χ²/NDF:4324697.7/57
All: 10570.964+/-0.880 χ²/NDF: 7606664.4/1



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: 3936.550+/-508.127 χ^2/NDF: 27.8/33

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

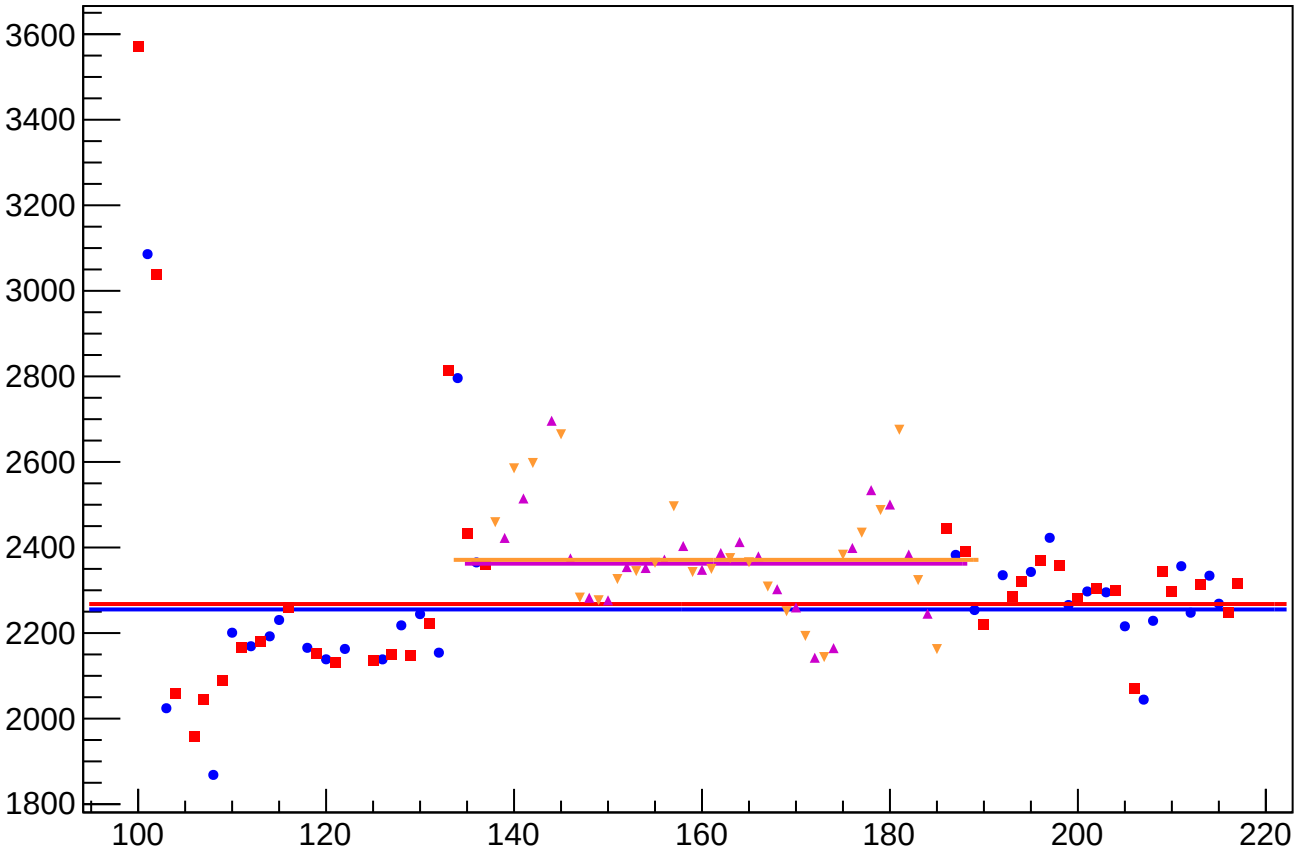
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4509.677+/-361.832 χ^2/NDF: 43.9/64

In: 5100.993+/-376.890 χ^2/NDF:33.5/53

Out: 3281.224+/-373.726 χ^2/NDF:61.2/57

All: 4183.438+/-265.376 χ^2/NDF: 106.4/111



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: 2267.840+/-0.359 χ^2/NDF: 215183.8/33

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

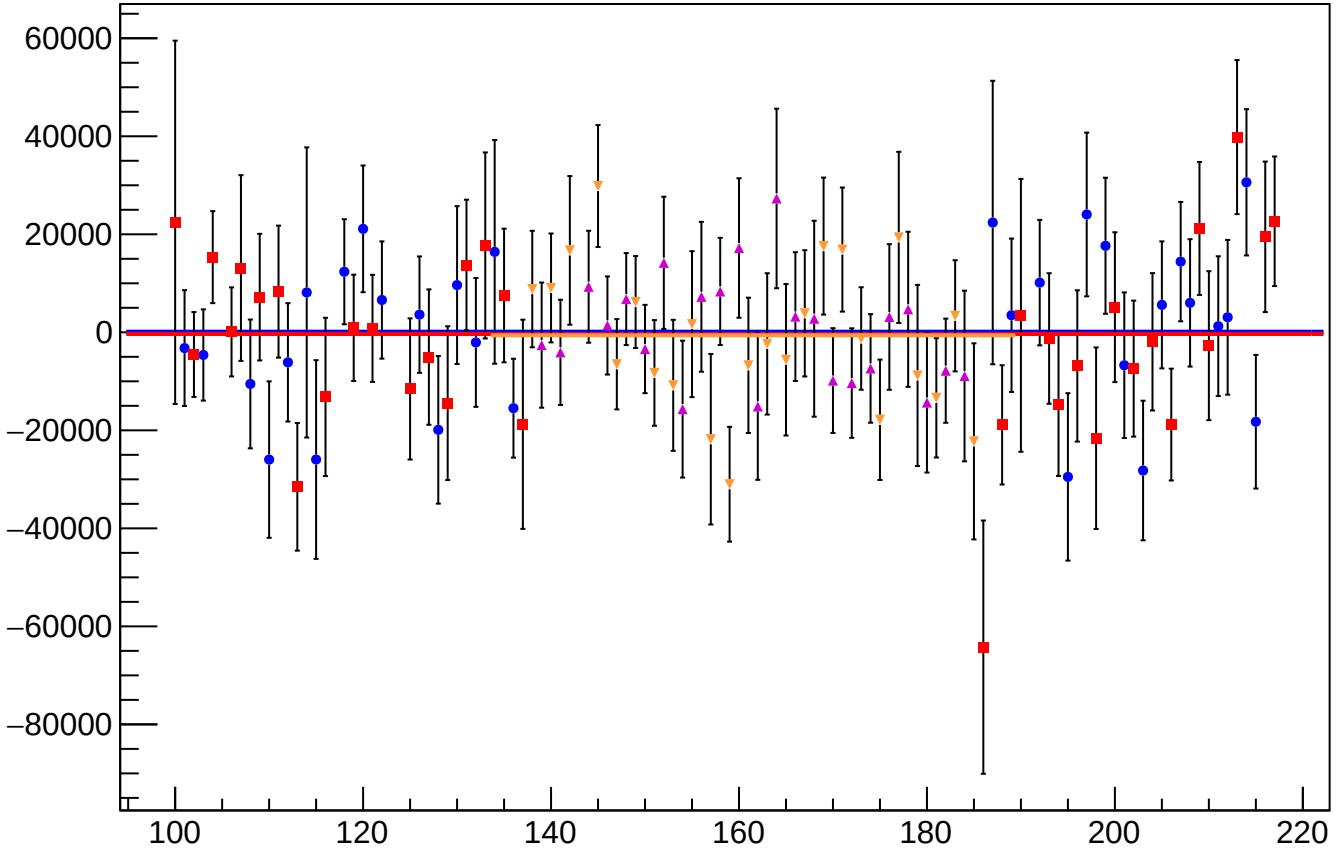
Right: 2261.613+/-0.256 χ^2/NDF: 442687.0/64

In: 2304.988+/-0.267 χ^2/NDF:358912.5/53

Out: 2315.248+/-0.264 χ^2/NDF:369435.9/57

All: 2310.162+/-0.188 χ^2/NDF: 729095.8/111

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: -342.148+/-2347.004 χ^2/NDF: 43.4/33

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

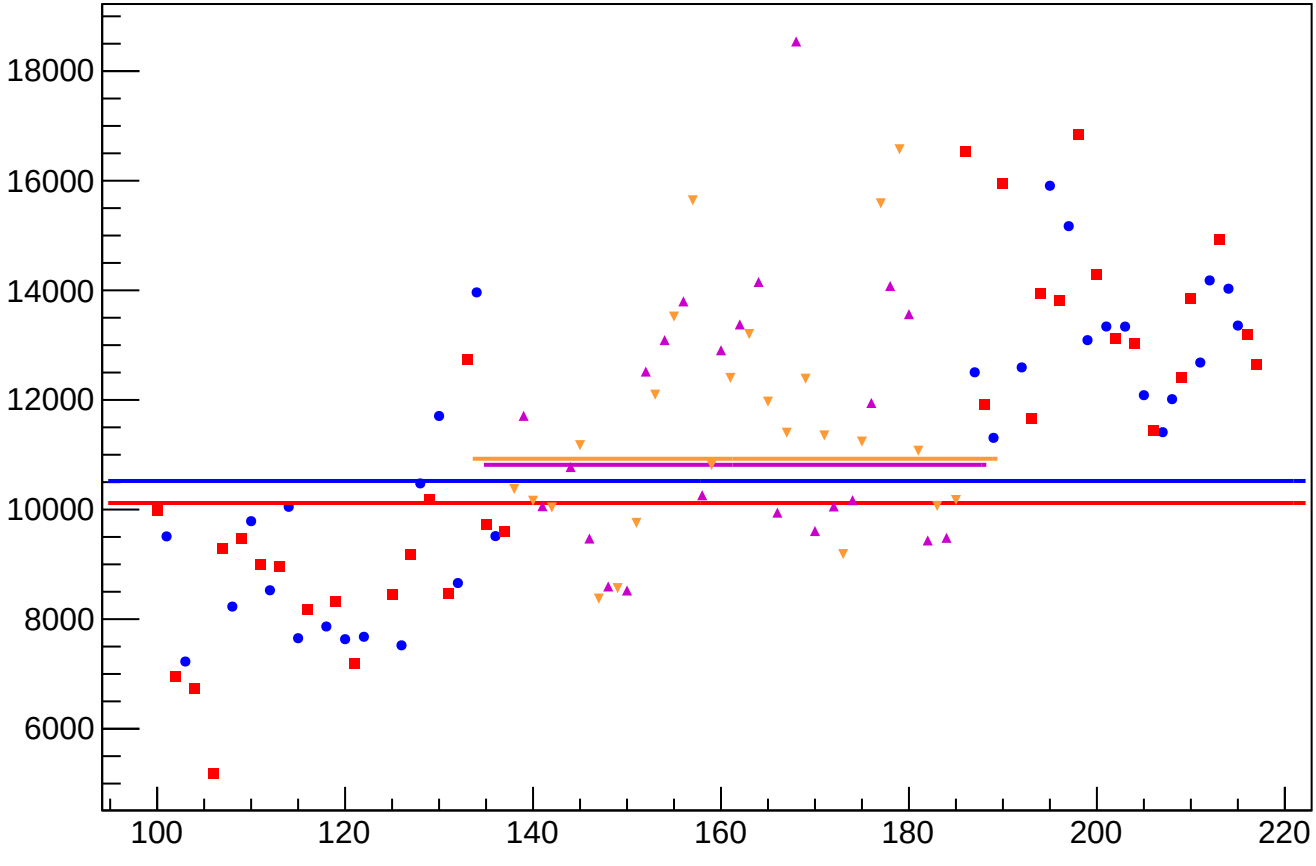
Right: -118.471+/-1701.457 χ^2/NDF: 78.3/64

In: -167.244+/-1783.315 χ^2/NDF:48.5/53

Out: -462.156+/-1739.138 χ^2/NDF:72.3/57

All: -318.398+/-1245.081 χ^2/NDF: 120.8/111

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 10521.578+/-1.747 χ^2/NDF: 2061219.0/30

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 10119.777+/-1.660 χ^2/NDF: 3160755.9/33

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

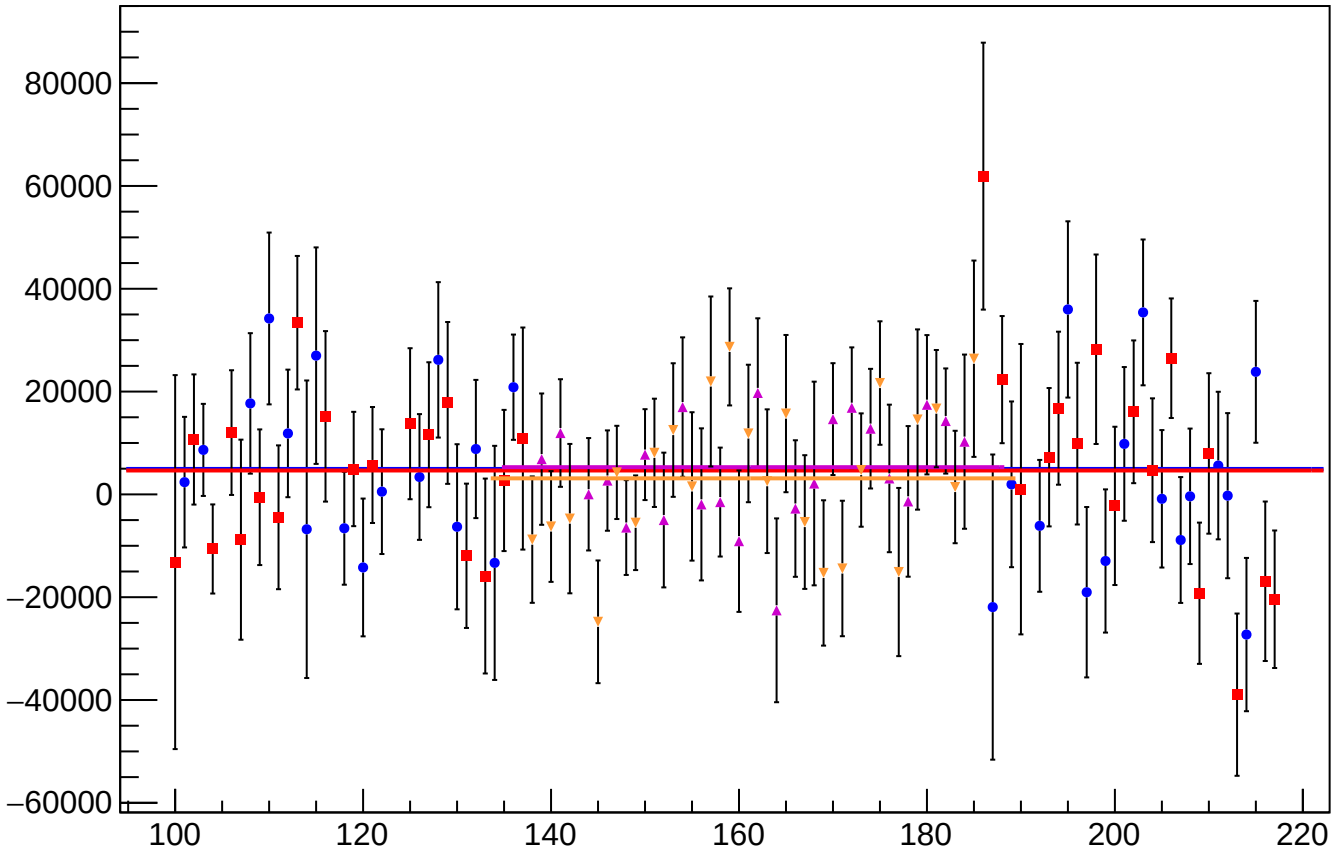
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 10310.412+/-1.203 χ^2/NDF: 5249785.8/64

In: 10662.709+/-1.261 χ^2/NDF:3271678.8/53

Out: 10483.710+/-1.230 χ^2/NDF:4324737.3/57

All: 10570.965+/-0.880 χ^2/NDF: 7606743.7/1



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: 4650.415+/-2450.890 χ^2/NDF: 44.2/33

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

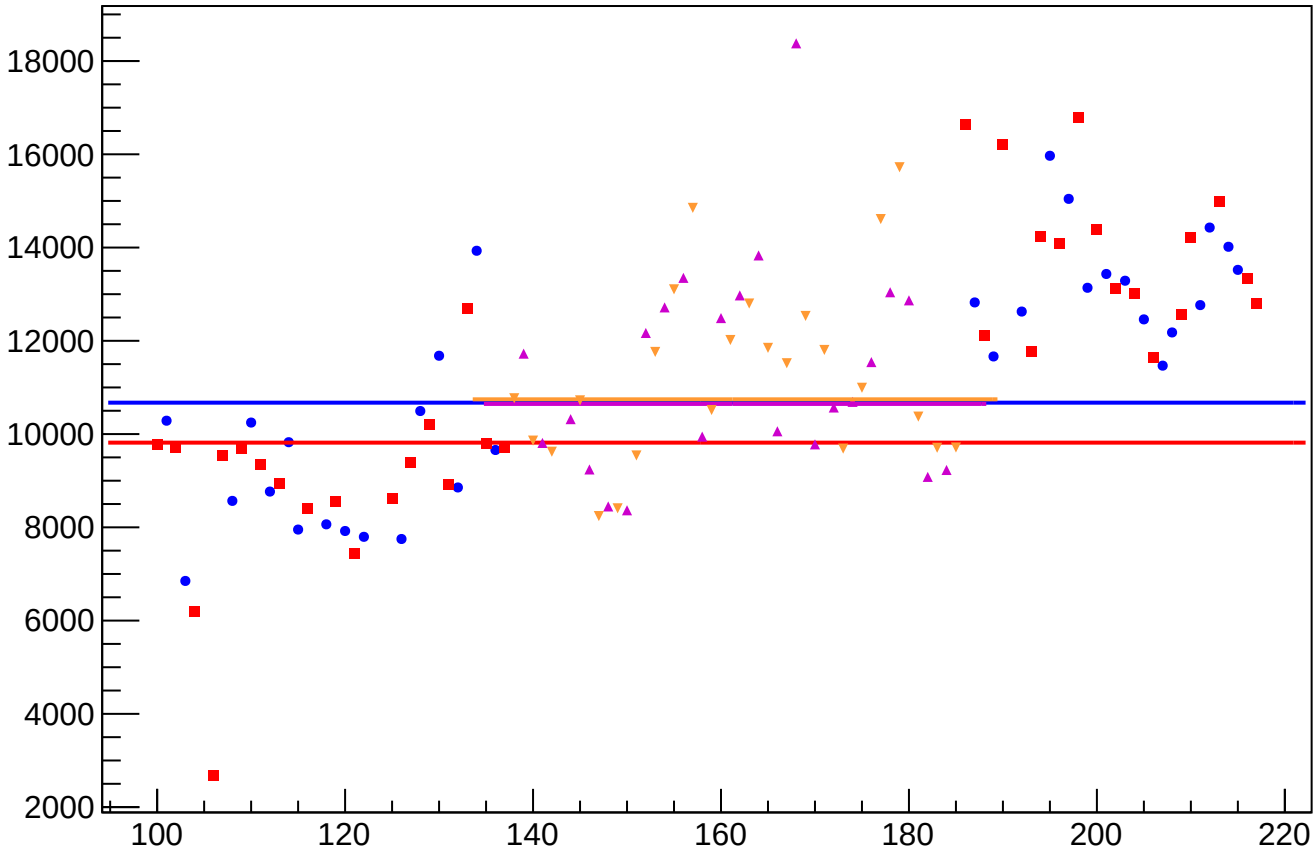
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 4796.526+/-1751.903 χ^2/NDF: 80.5/64

In: 5118.057+/-1781.165 χ^2/NDF:49.6/53

Out: 3912.978+/-1764.658 χ^2/NDF:71.8/57

All: 4509.908+/-1253.597 χ^2/NDF: 121.7/111



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: 9816.387+/-1.659 χ^2/NDF: 4874048.0/33

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

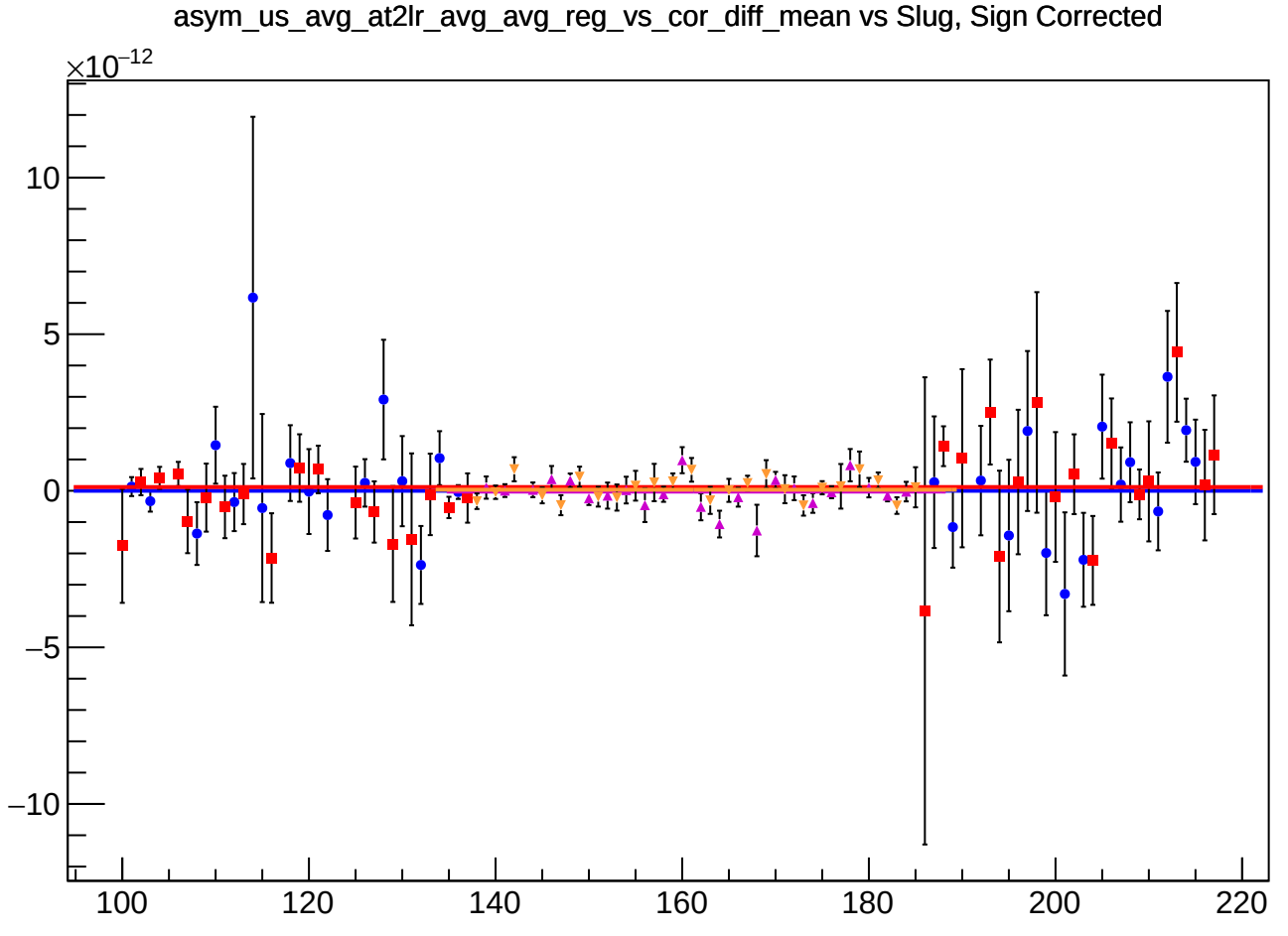
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 10216.860+/-1.211 χ^2/NDF: 7026379.6/64

In: 10660.208+/-1.259 χ^2/NDF:3141719.1/53

Out: 10243.443+/-1.219 χ^2/NDF:5982871.9/57

All: 10445.047+/-0.876 χ^2/NDF: 9181121.1/1



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: 30.1/33

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

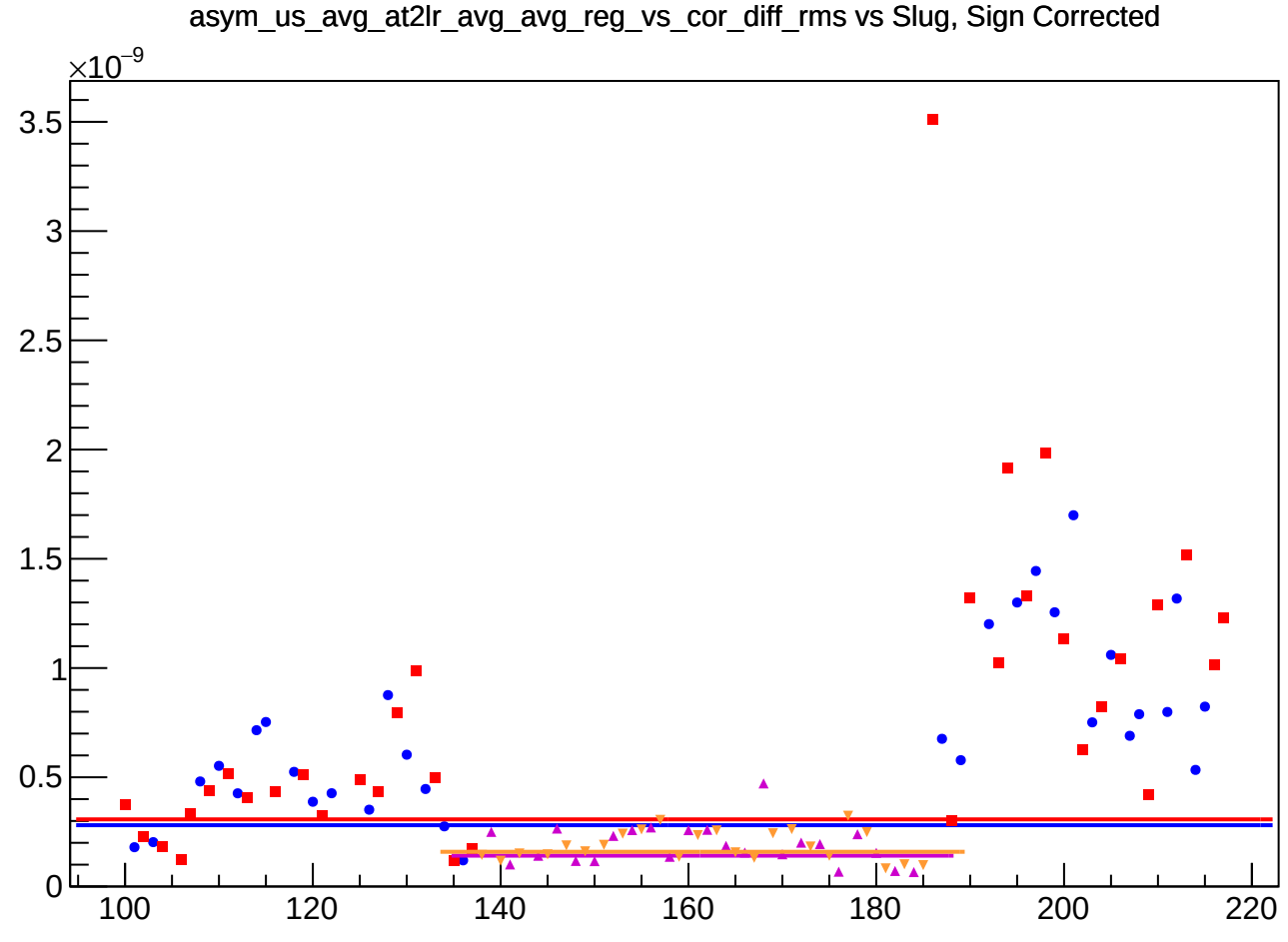
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 60.8/64

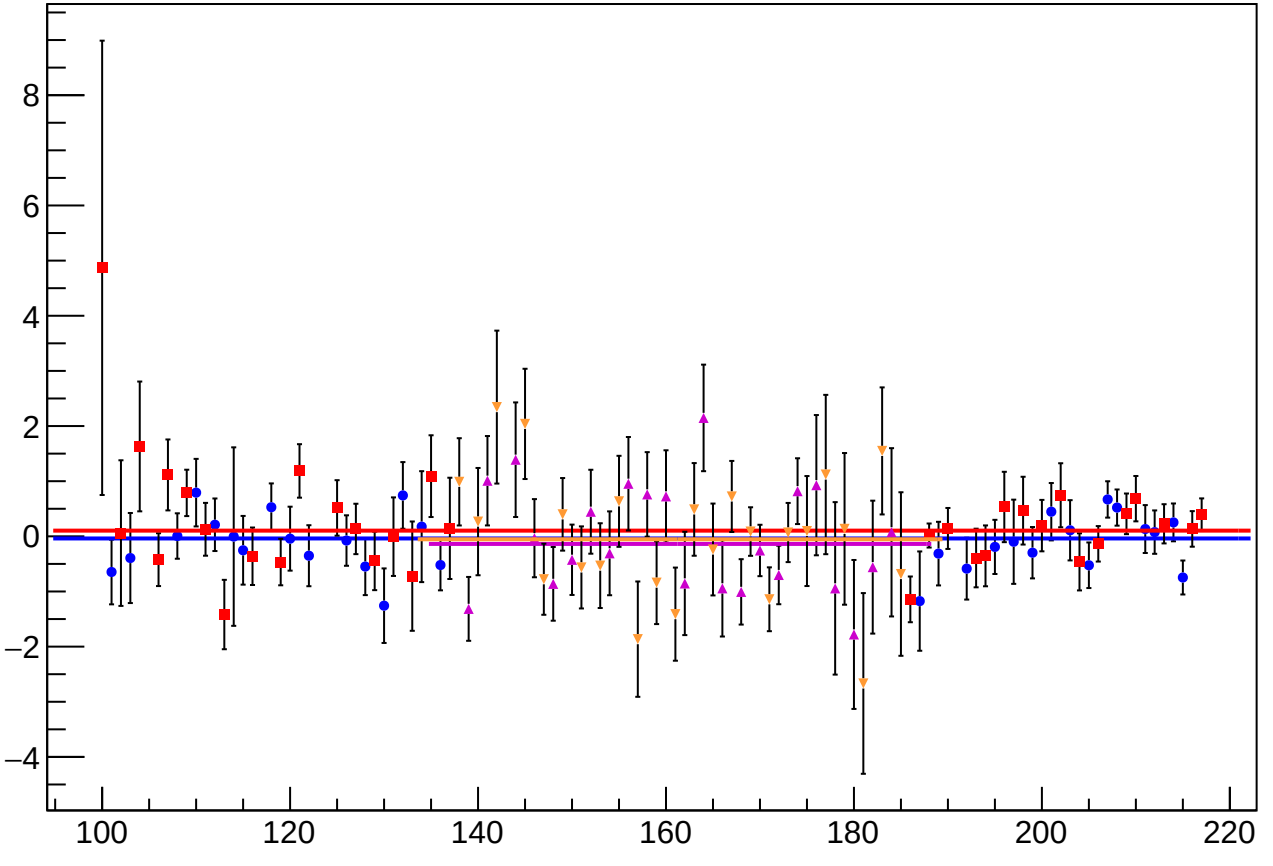
In: -0.000+/-0.000 χ^2/NDF:58.3/53

Out: 0.000+/-0.000 χ^2/NDF:56.6/57

All: 0.000+/-0.000 χ^2/NDF: 115.7/111


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
3.5
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7202183.8/30
Left Out: 0.000+/-0.000 χ²/NDF:1297018.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 7766491.8/33
Left In: 0.000+/-0.000 χ²/NDF:2396288.8/22
Left: 0.000+/-0.000 χ²/NDF: 3771928.7/46
Right: 0.000+/-0.000 χ²/NDF: 15005782.4/64
In: 0.000+/-0.000 χ²/NDF:11406745.9/53
Out: 0.000+/-0.000 χ²/NDF:10838697.9/57
All: 0.000+/-0.000 χ²/NDF: 22357994.0/111

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: 0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

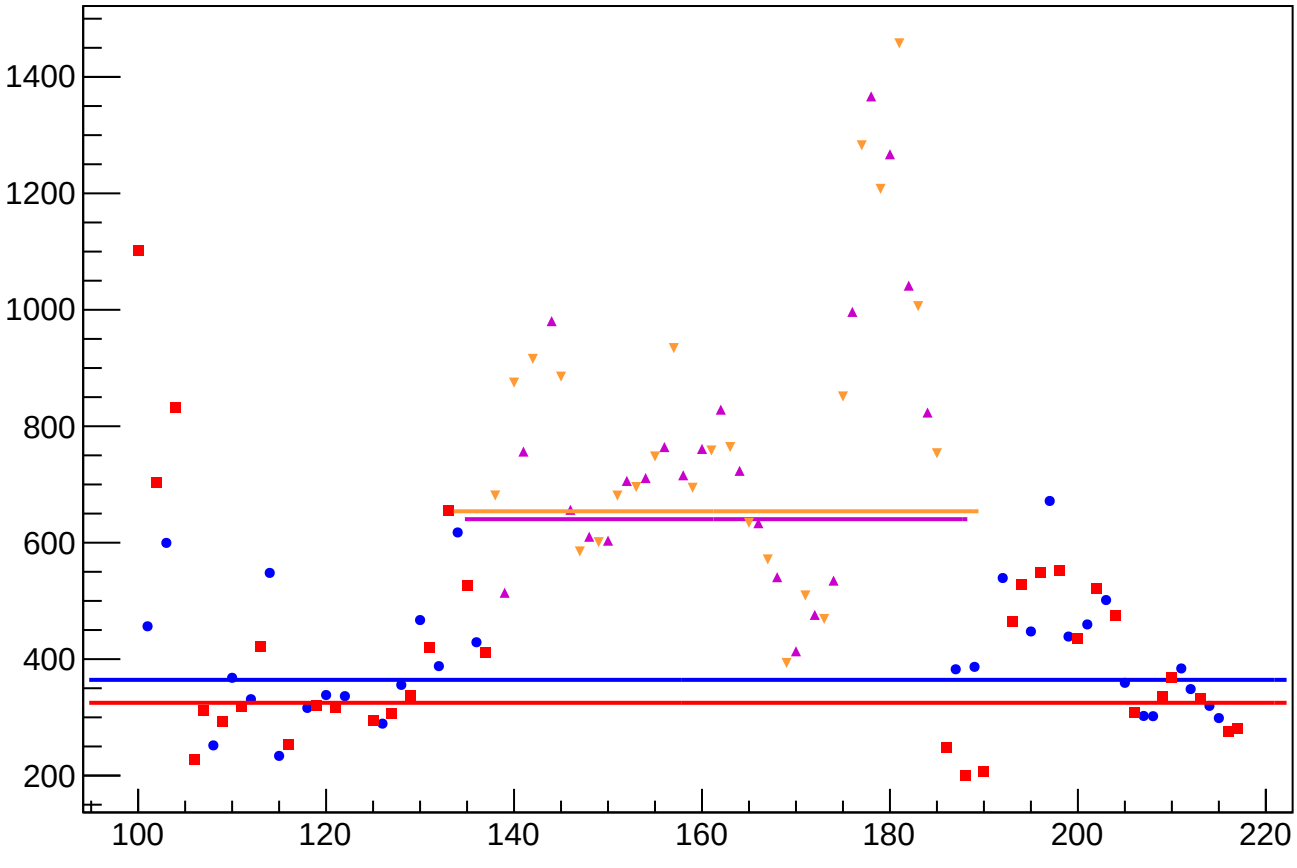
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.040+/-0.058 χ^2/NDF: 78.7/64

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.073+/-0.071 χ^2/NDF:76.3/57

All: 0.011+/-0.052 χ^2/NDF: 140.1/111



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: 325.001+/-0.056 χ^2/NDF: 3710809.8/33

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

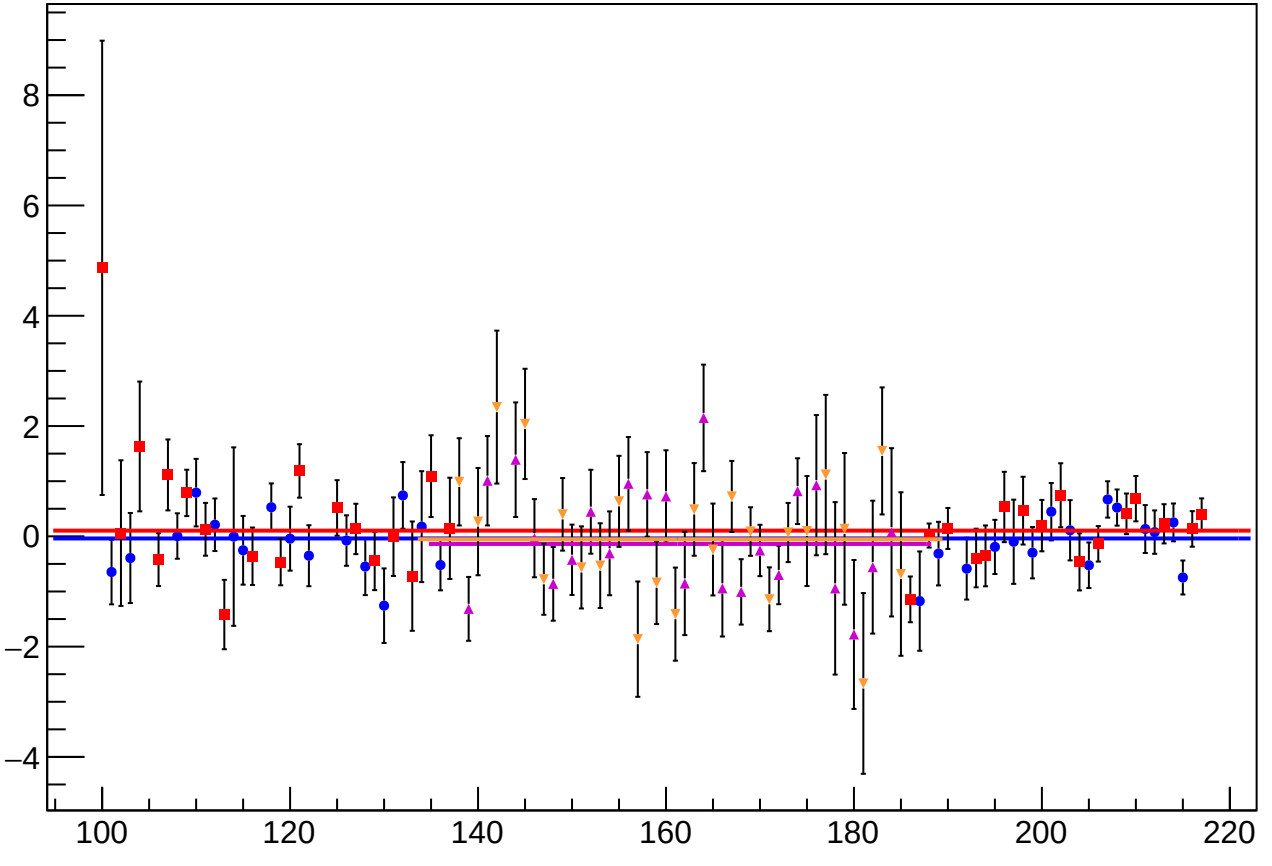
Right: 342.650+/-0.041 χ^2/NDF: 5826689.3/64

In: 429.046+/-0.054 χ^2/NDF:9219853.1/53

Out: 388.140+/-0.050 χ^2/NDF:13553548.4/57

All: 407.005+/-0.037 χ^2/NDF: 23082332.8/1

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: 0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

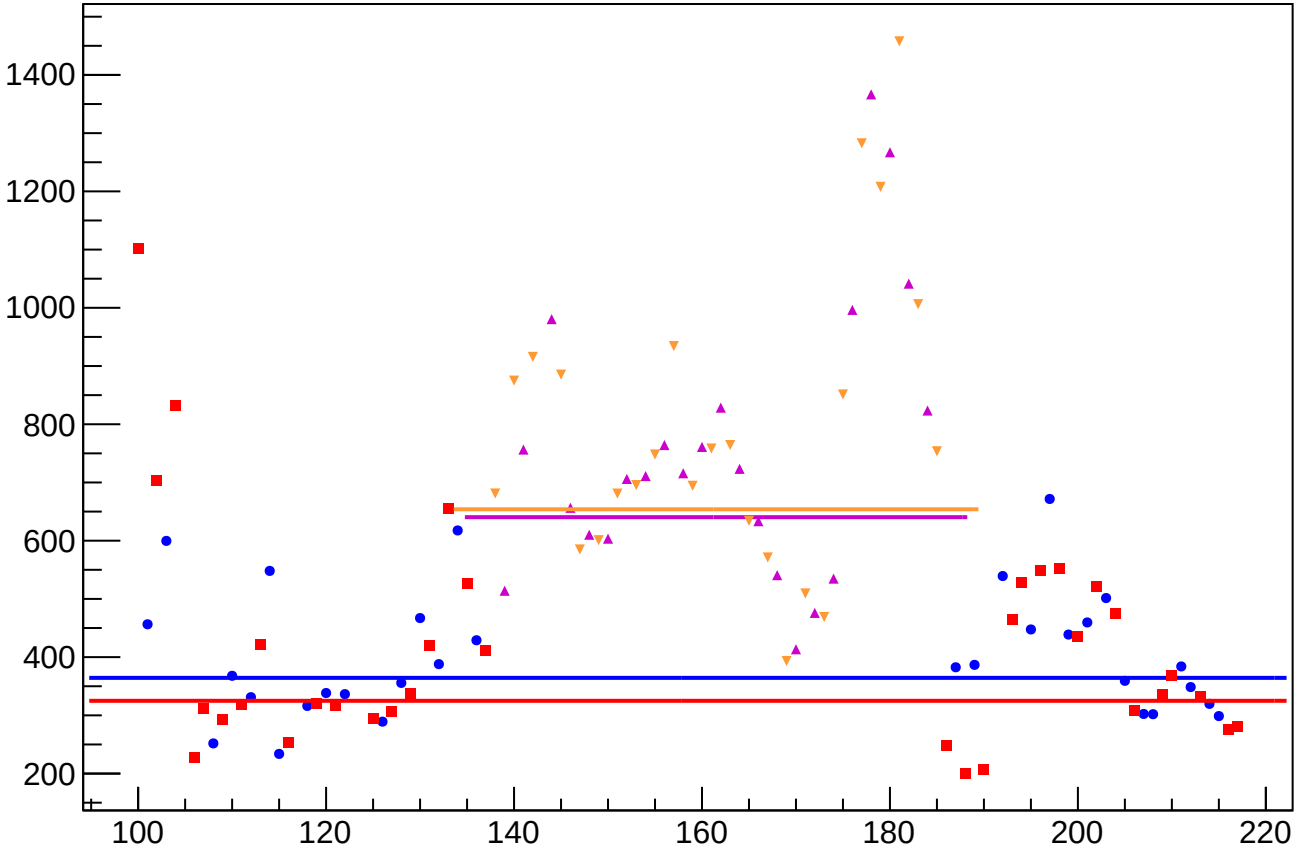
Right: 0.040+/-0.058 χ^2/NDF: 78.7/64

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.073+/-0.071 χ^2/NDF:76.3/57

All: 0.011+/-0.052 χ^2/NDF: 140.1/111

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: 325.001+/-0.056 χ^2/NDF: 3710809.8/33

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

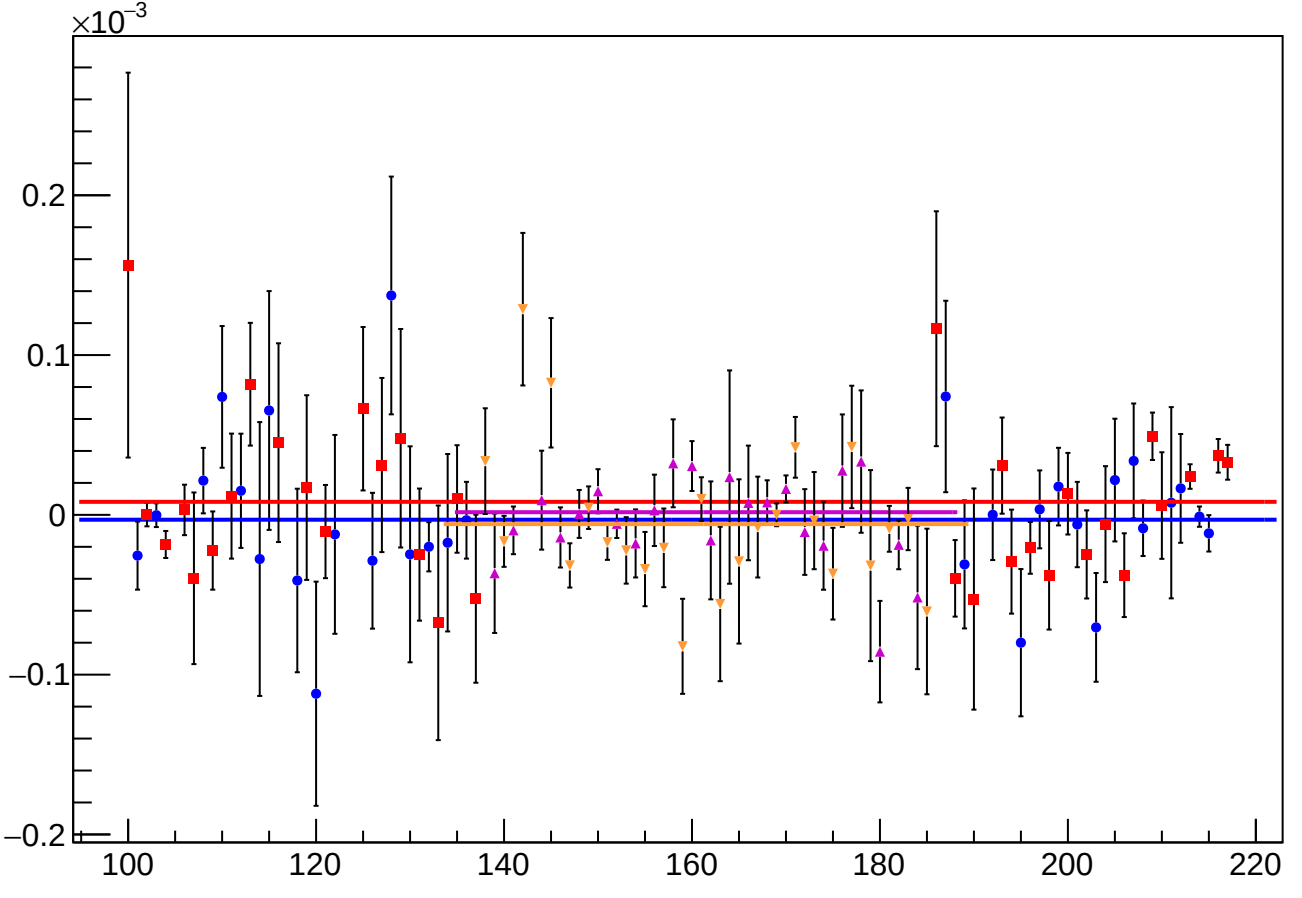
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 342.650+/-0.041 χ^2/NDF: 5826689.3/64

In: 429.046+/-0.054 χ^2/NDF:9219853.1/53

Out: 388.140+/-0.050 χ^2/NDF:13553548.4/57

All: 407.005+/-0.037 χ^2/NDF: 23082332.8/11



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: 67.5/33

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

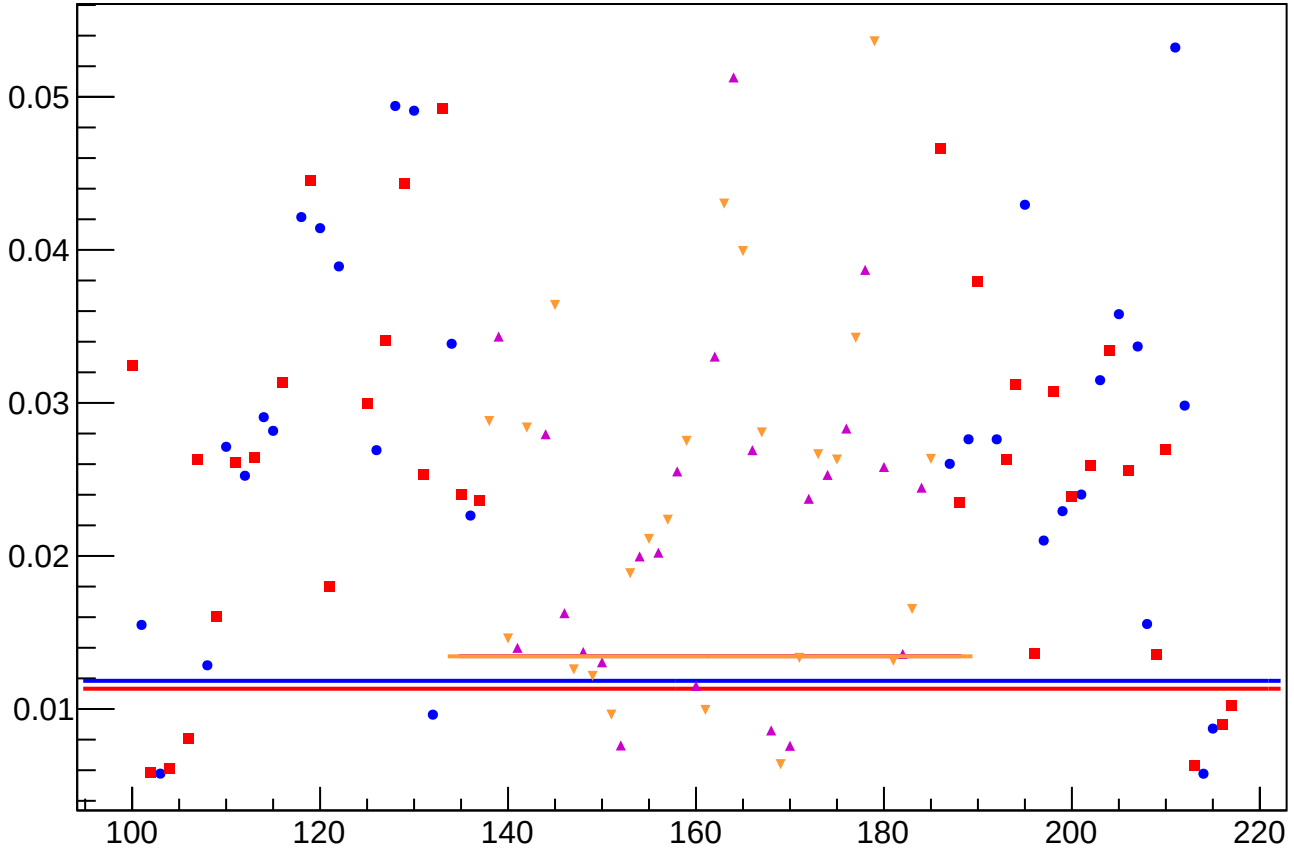
Right: 0.000+/-0.000 χ^2/NDF: 100.3/64

In: -0.000+/-0.000 χ^2/NDF:53.7/53

Out: 0.000+/-0.000 χ^2/NDF:118.3/57

All: 0.000+/-0.000 χ^2/NDF: 172.7/111

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: 13106362.7/33

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

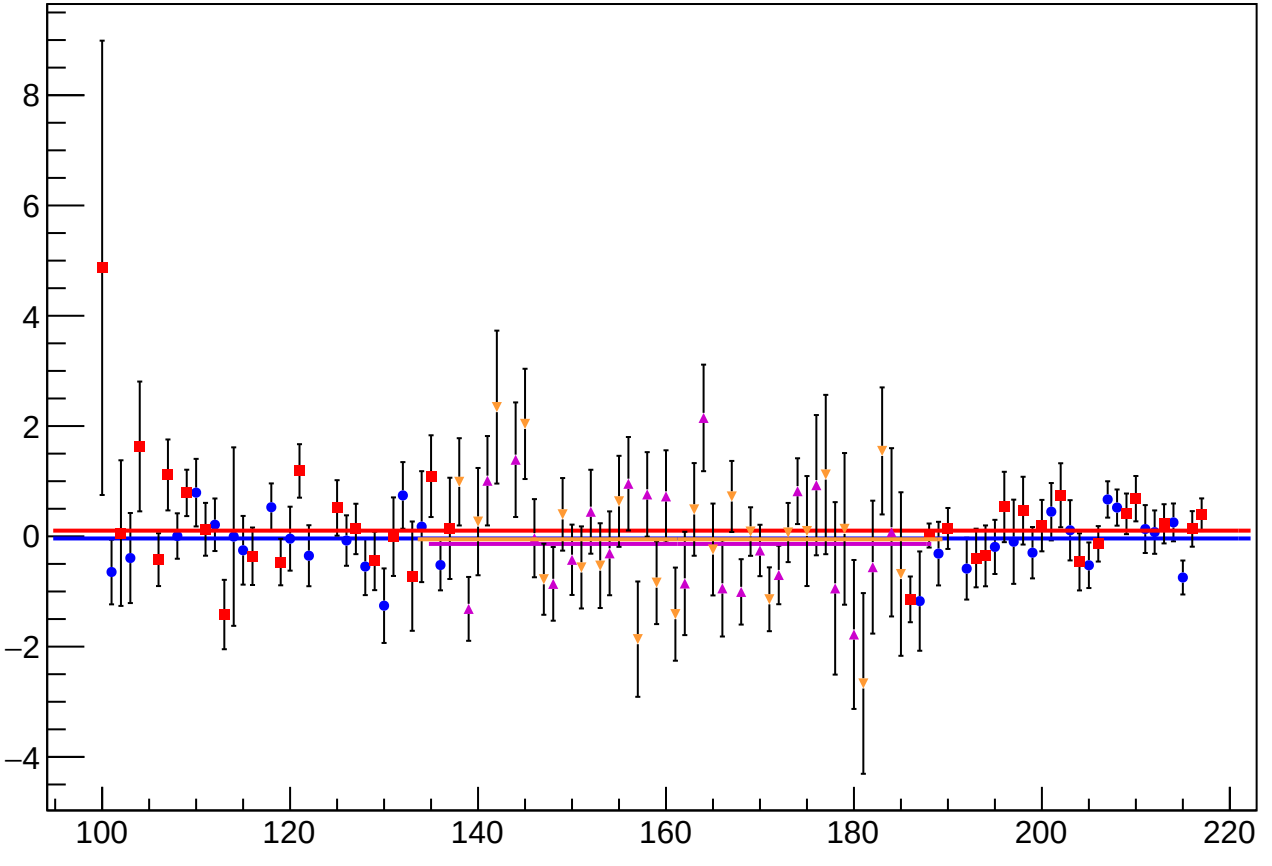
Right: 0.012+/-0.000 χ^2/NDF: 27483824.9/64

In: 0.013+/-0.000 χ^2/NDF:22098550.4/53

Out: 0.012+/-0.000 χ^2/NDF:22337110.5/57

All: 0.012+/-0.000 χ^2/NDF: 44459677.6/111

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: 0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

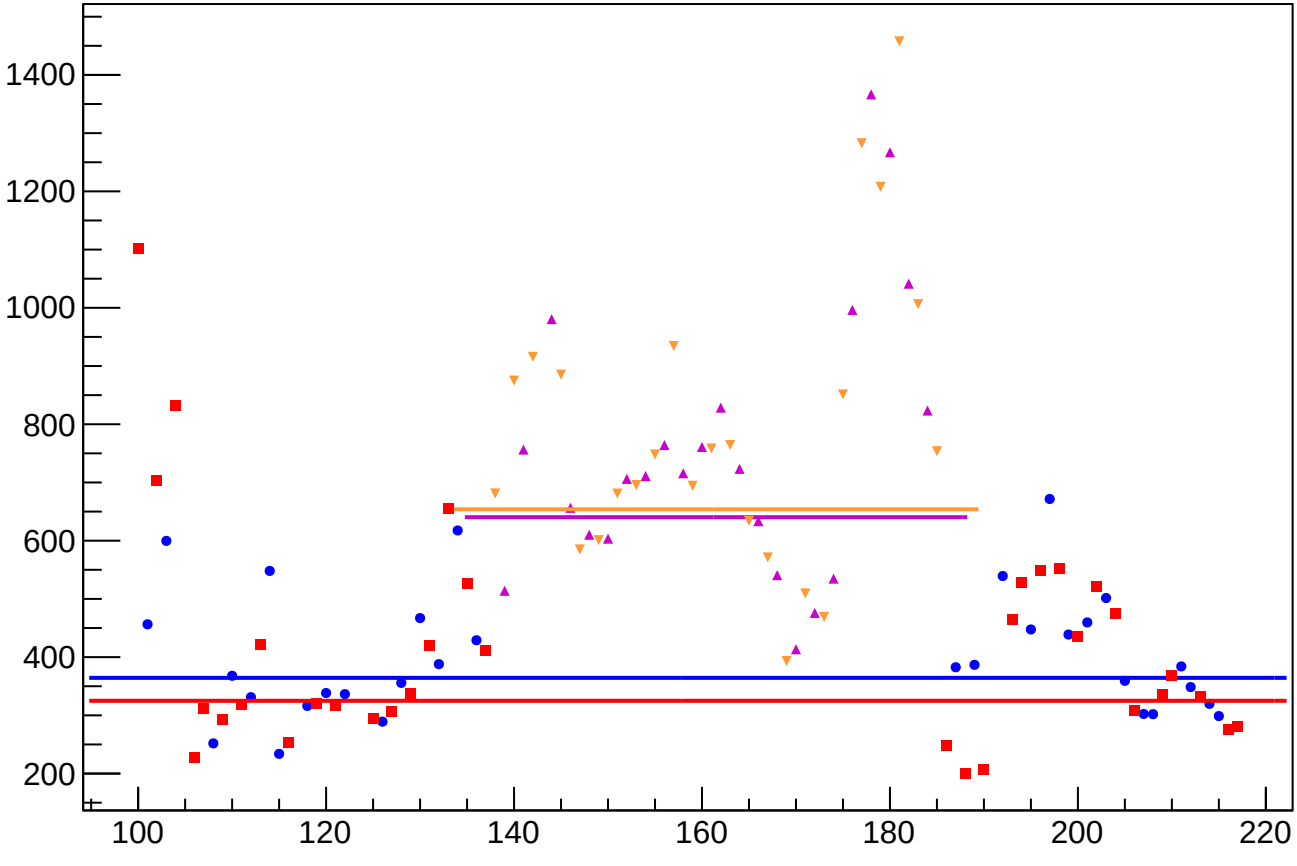
Right: 0.040+/-0.058 χ^2/NDF: 78.7/64

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.073+/-0.071 χ^2/NDF:76.3/57

All: 0.011+/-0.052 χ^2/NDF: 140.1/111

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: 324.997+/-0.056 χ^2/NDF: 3710998.2/33

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

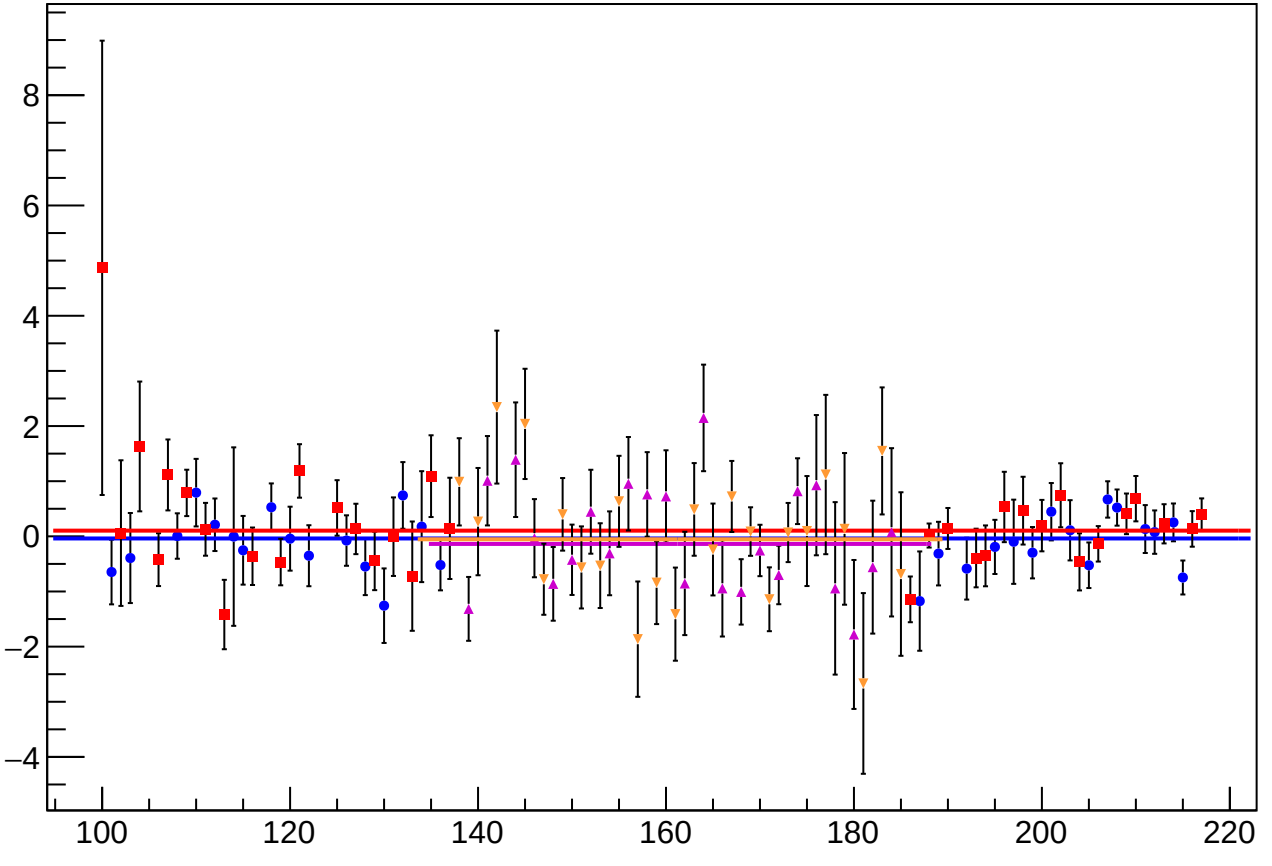
Right: 342.647+/-0.041 χ^2/NDF: 5826921.3/64

In: 429.046+/-0.054 χ^2/NDF:9220050.9/53

Out: 388.136+/-0.050 χ^2/NDF:13554134.0/57

All: 407.002+/-0.037 χ^2/NDF: 23083188.4/11

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: 0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

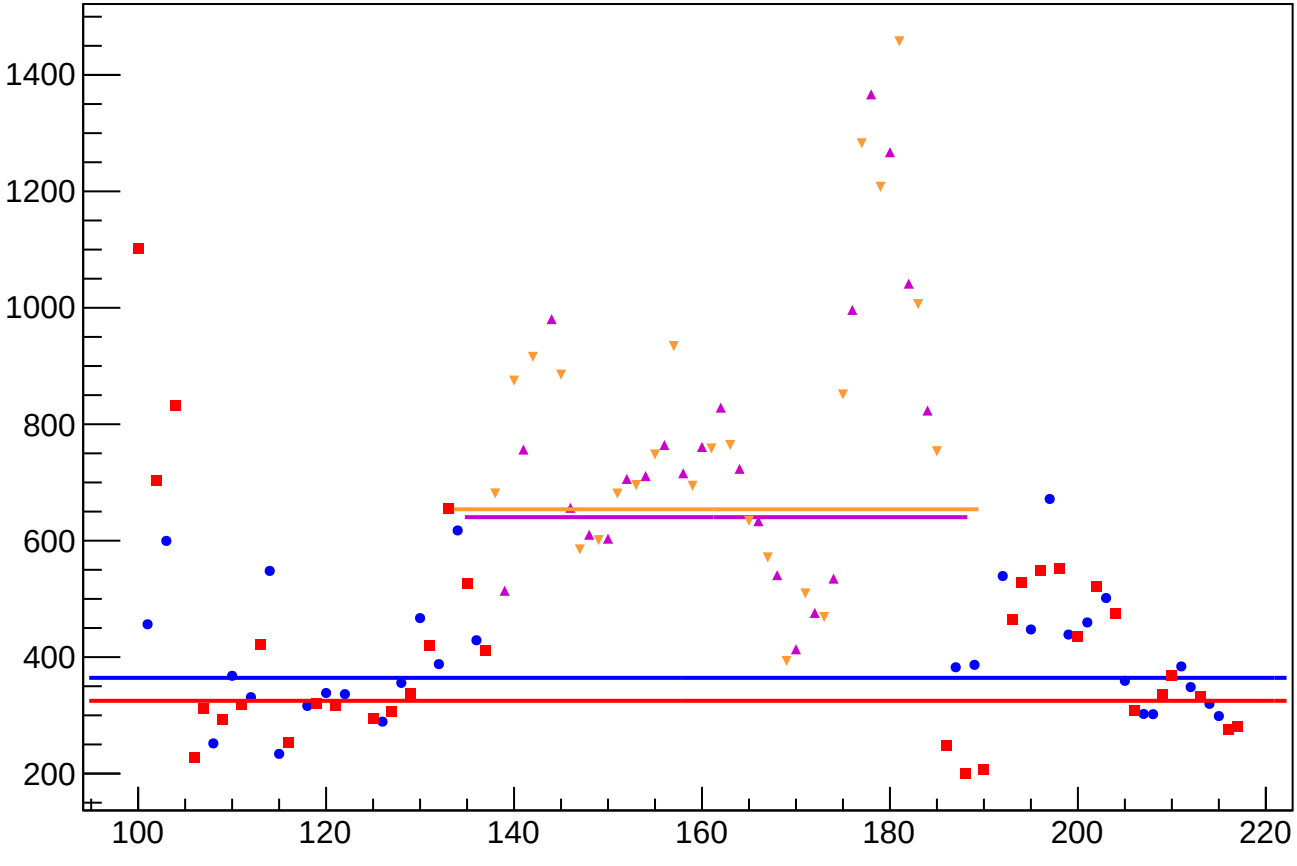
Right: 0.040+/-0.058 χ^2/NDF: 78.7/64

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.073+/-0.071 χ^2/NDF:76.3/57

All: 0.011+/-0.052 χ^2/NDF: 140.1/111

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: 324.997+/-0.056 χ^2/NDF: 3710998.2/33

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

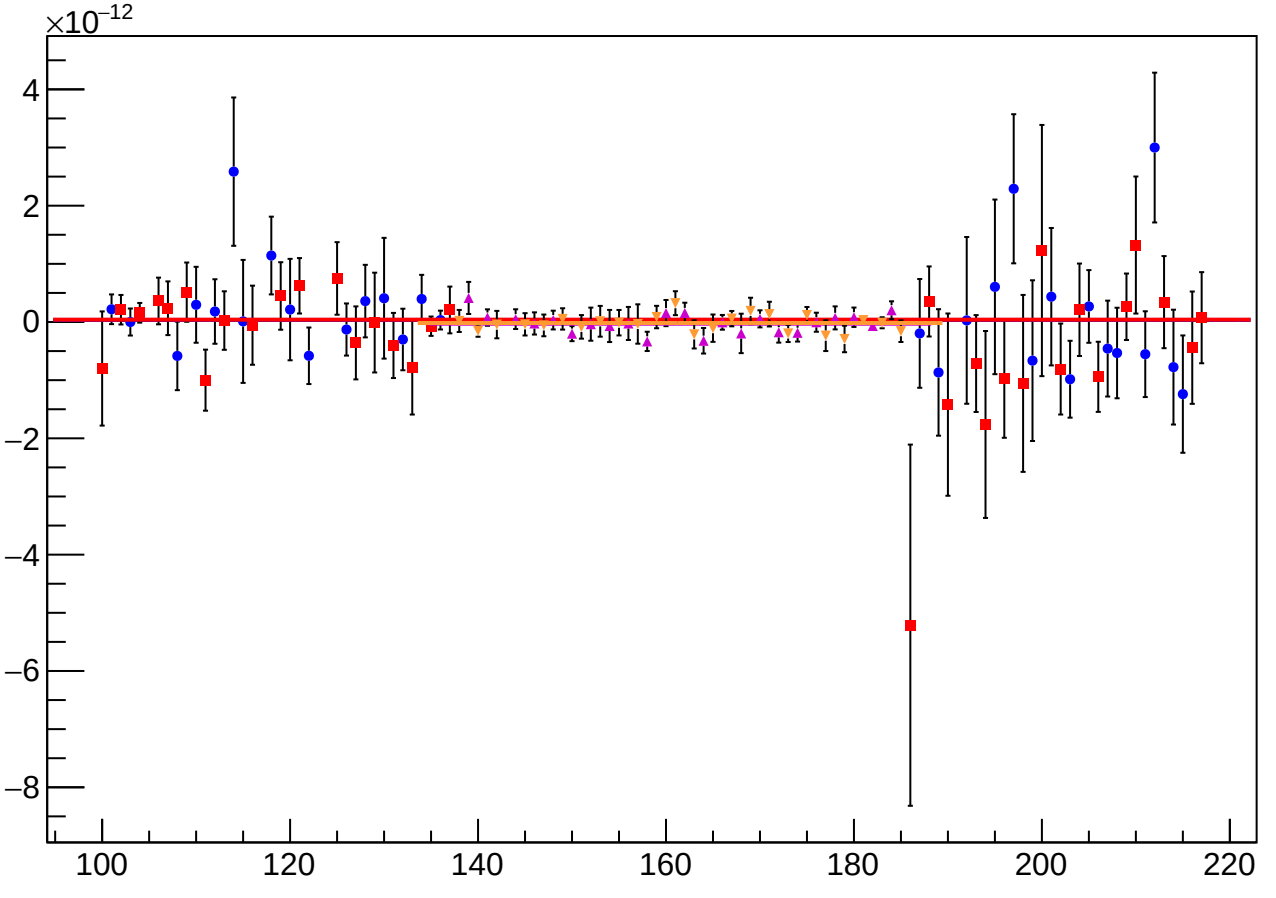
Right: 342.647+/-0.041 χ^2/NDF: 5826921.3/64

In: 429.046+/-0.054 χ^2/NDF:9220050.9/53

Out: 388.136+/-0.050 χ^2/NDF:13554134.0/57

All: 407.002+/-0.037 χ^2/NDF: 23083188.4/1

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: 26.8/33

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

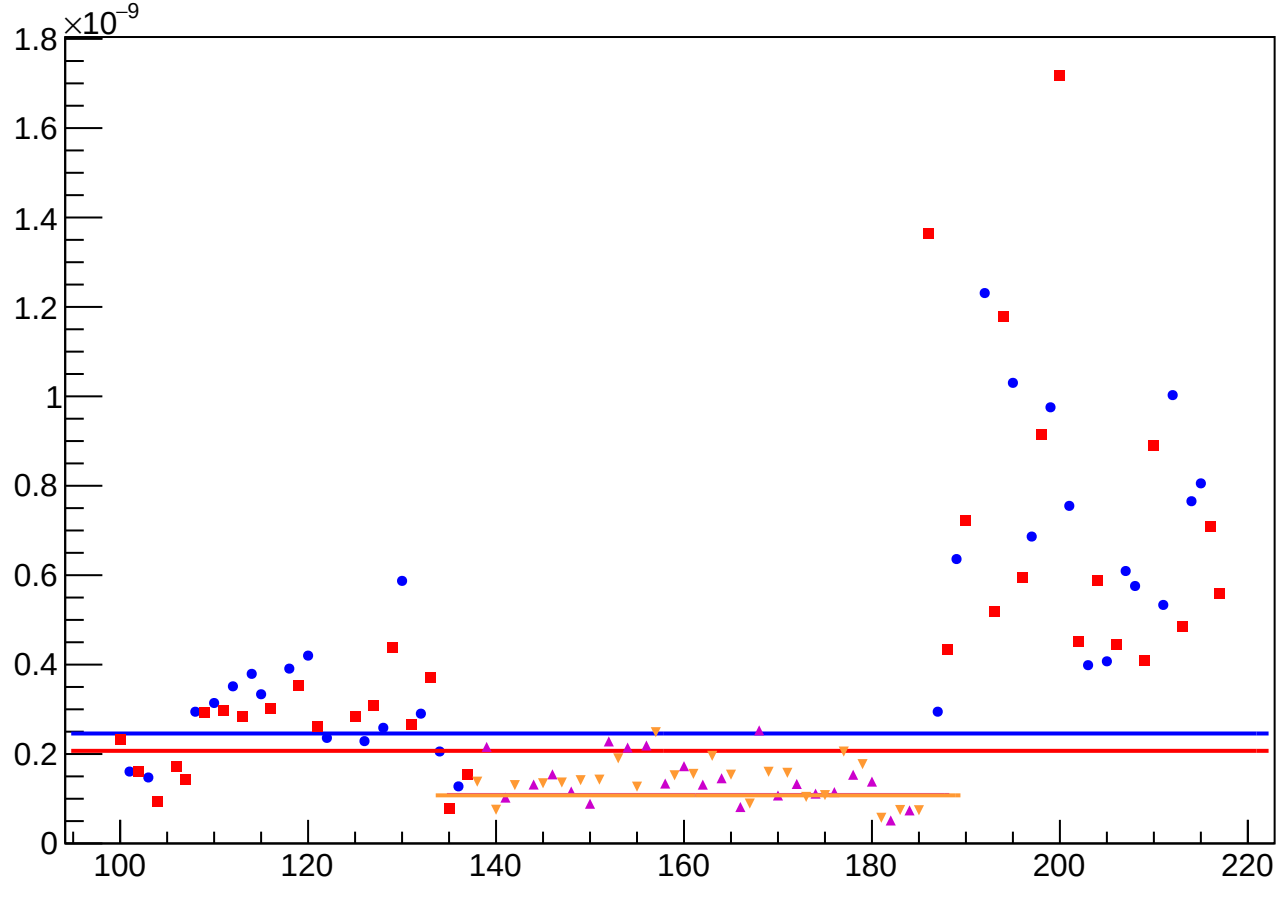
Right: 0.000+/-0.000 χ^2/NDF: 54.7/64

In: -0.000+/-0.000 χ^2/NDF:46.2/53

Out: -0.000+/-0.000 χ^2/NDF:40.3/57

All: -0.000+/-0.000 χ^2/NDF: 86.6/111

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: 9499508.7/33

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

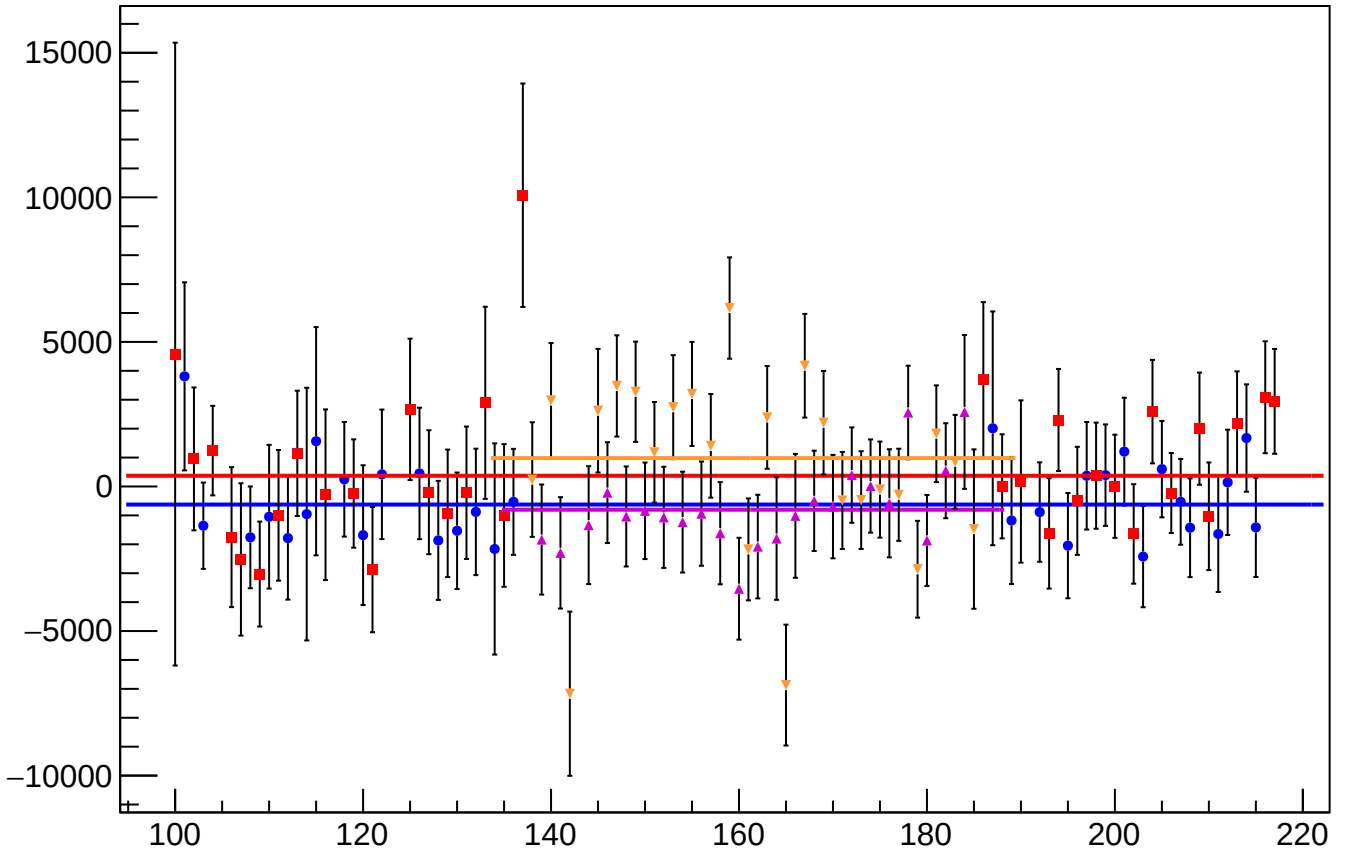
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 18000523.7/64

In: 0.000+/-0.000 χ^2/NDF:16310758.9/53

Out: 0.000+/-0.000 χ^2/NDF:15615914.1/57

All: 0.000+/-0.000 χ^2/NDF: 31934859.8/111



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: 370.498+/-353.457 χ^2/NDF: 30.9/33

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

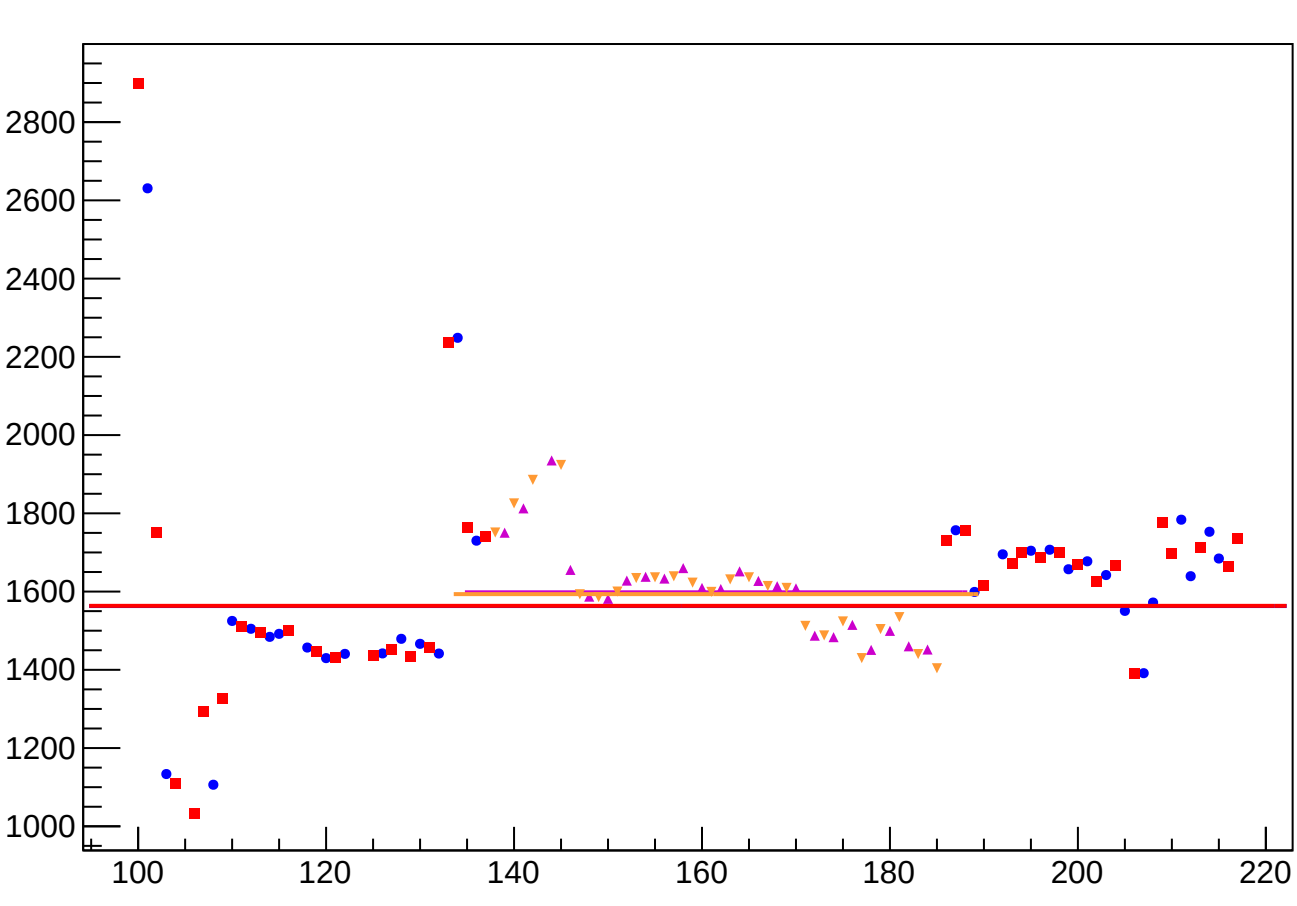
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -118.505+/-252.177 χ^2/NDF: 46.3/64

In: -711.253+/-259.349 χ^2/NDF:24.0/53

Out: 661.401+/-255.857 χ^2/NDF:87.9/57

All: -15.623+/-182.141 χ^2/NDF: 126.1/111



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: 1563.516+/-0.249 χ^2/NDF: 722762.2/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

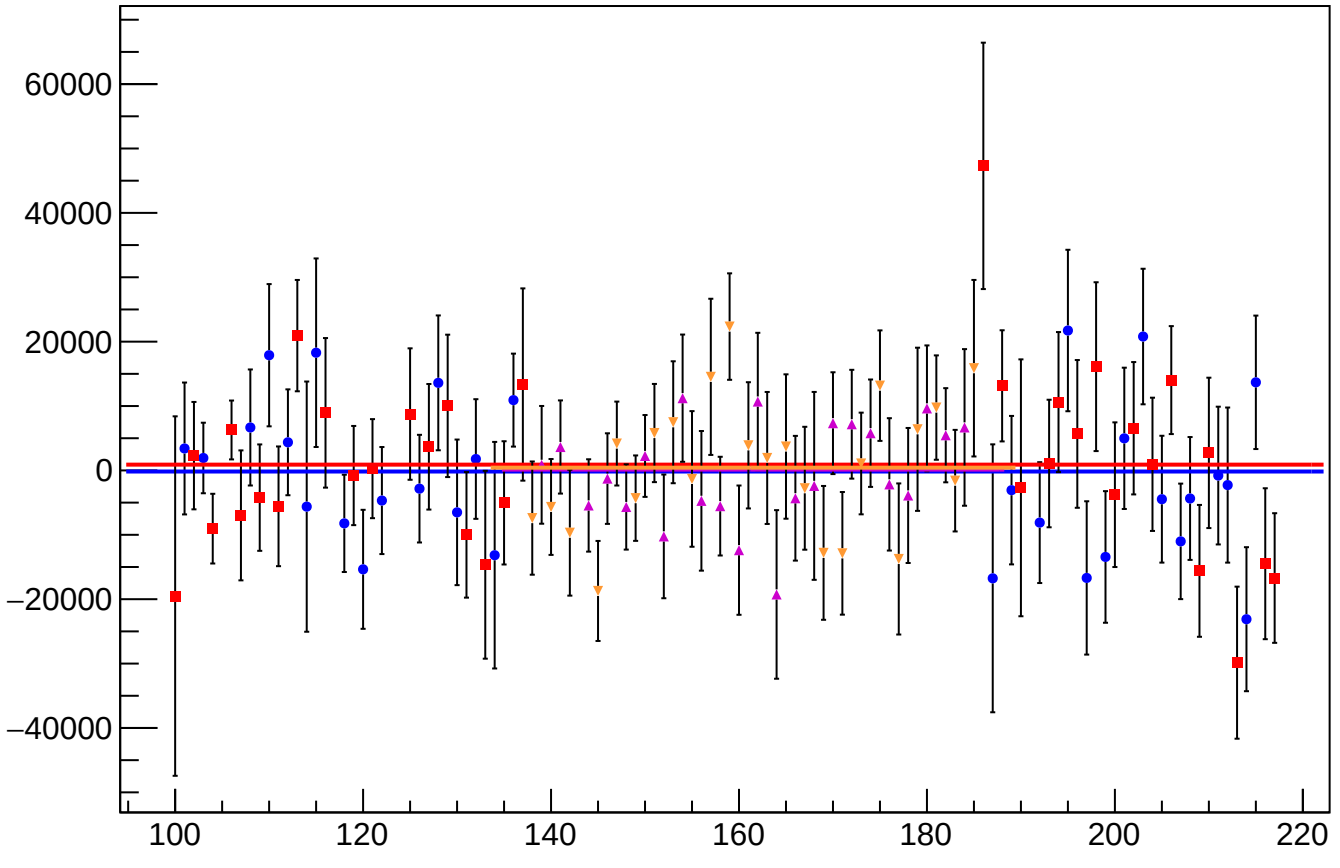
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1563.270+/-0.178 χ^2/NDF: 1510514.6/64

In: 1579.888+/-0.183 χ^2/NDF:966055.7/53

Out: 1577.734+/-0.181 χ^2/NDF:917238.9/57

All: 1578.795+/-0.129 χ^2/NDF: 1883364.6/11



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: 898.762+/-1622.201 χ^2/NDF: 44.9/33

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

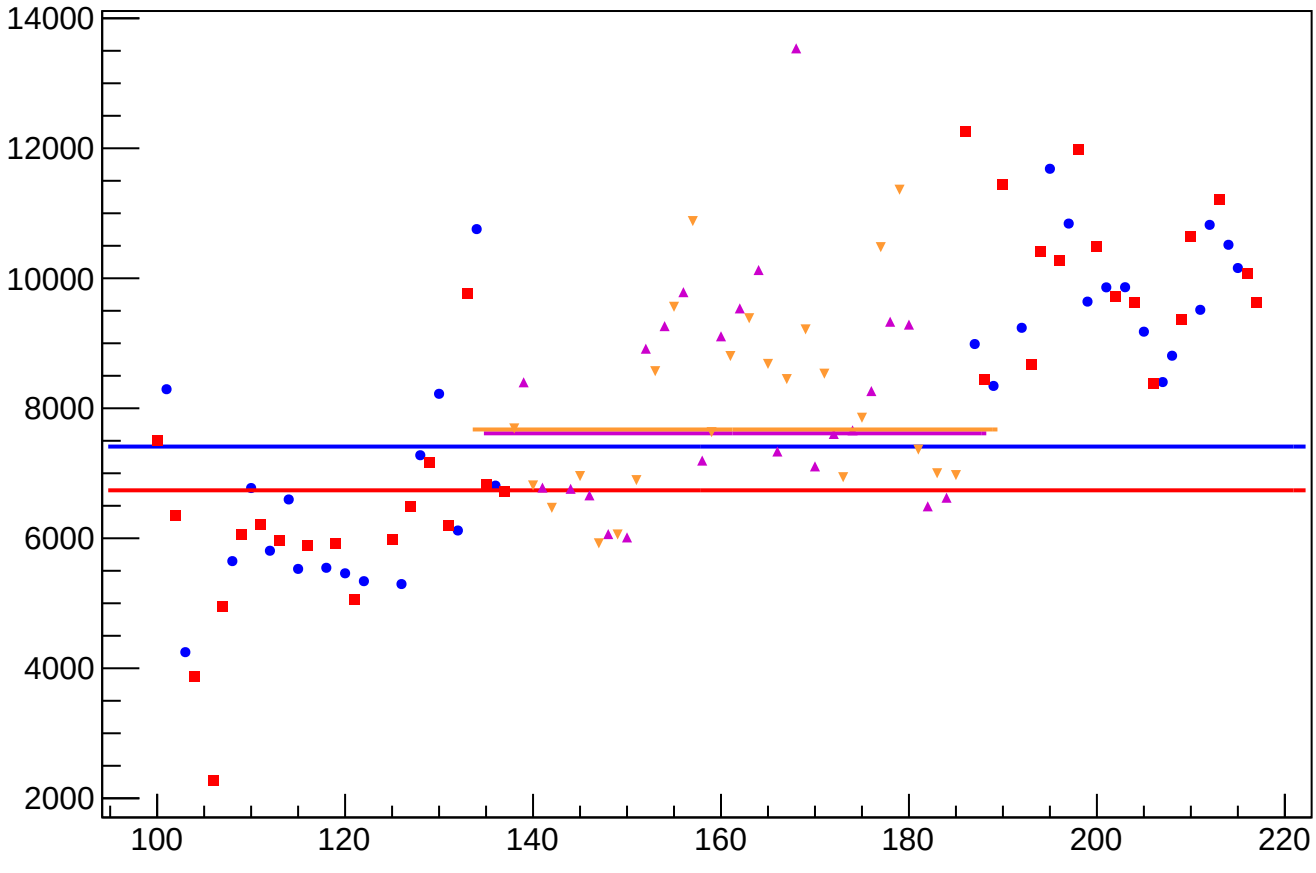
Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

Right: 408.422+/-1193.044 χ^2/NDF: 79.9/64

In: -25.909+/-1263.720 χ^2/NDF:48.7/53

Out: 689.753+/-1210.950 χ^2/NDF:74.3/57

All: 347.176+/-874.331 χ^2/NDF: 123.2/111



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: 6737.954+/-1.147 χ^2/NDF: 5572796.1/33

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

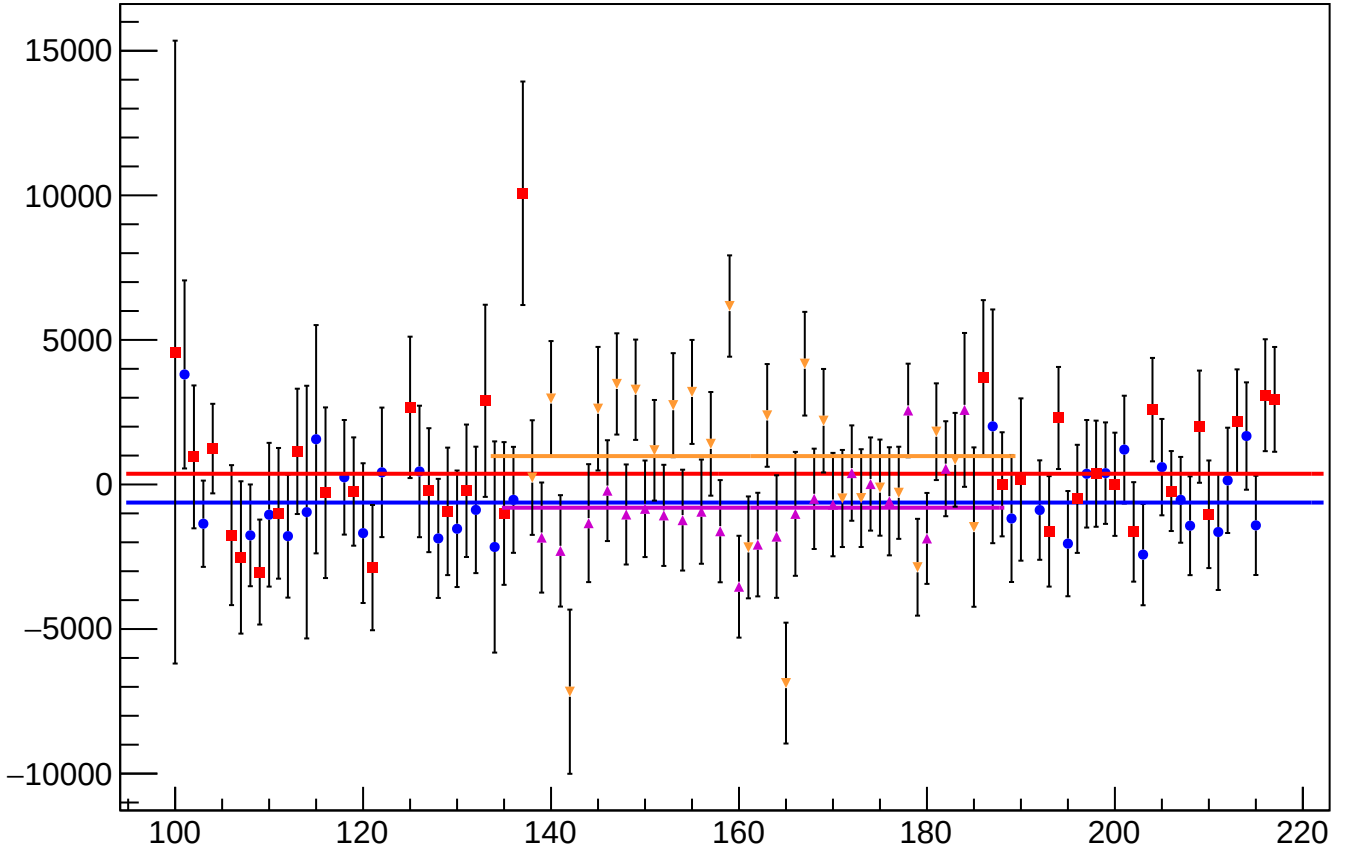
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 7046.993+/-0.844 χ^2/NDF: 8672778.7/64

In: 7509.937+/-0.894 χ^2/NDF:4179411.7/53

Out: 7152.424+/-0.856 χ^2/NDF:6944385.0/57

All: 7323.560+/-0.618 χ^2/NDF: 11207244.1/1



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: 370.538+/-353.457 χ^2/NDF: 30.9/33

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

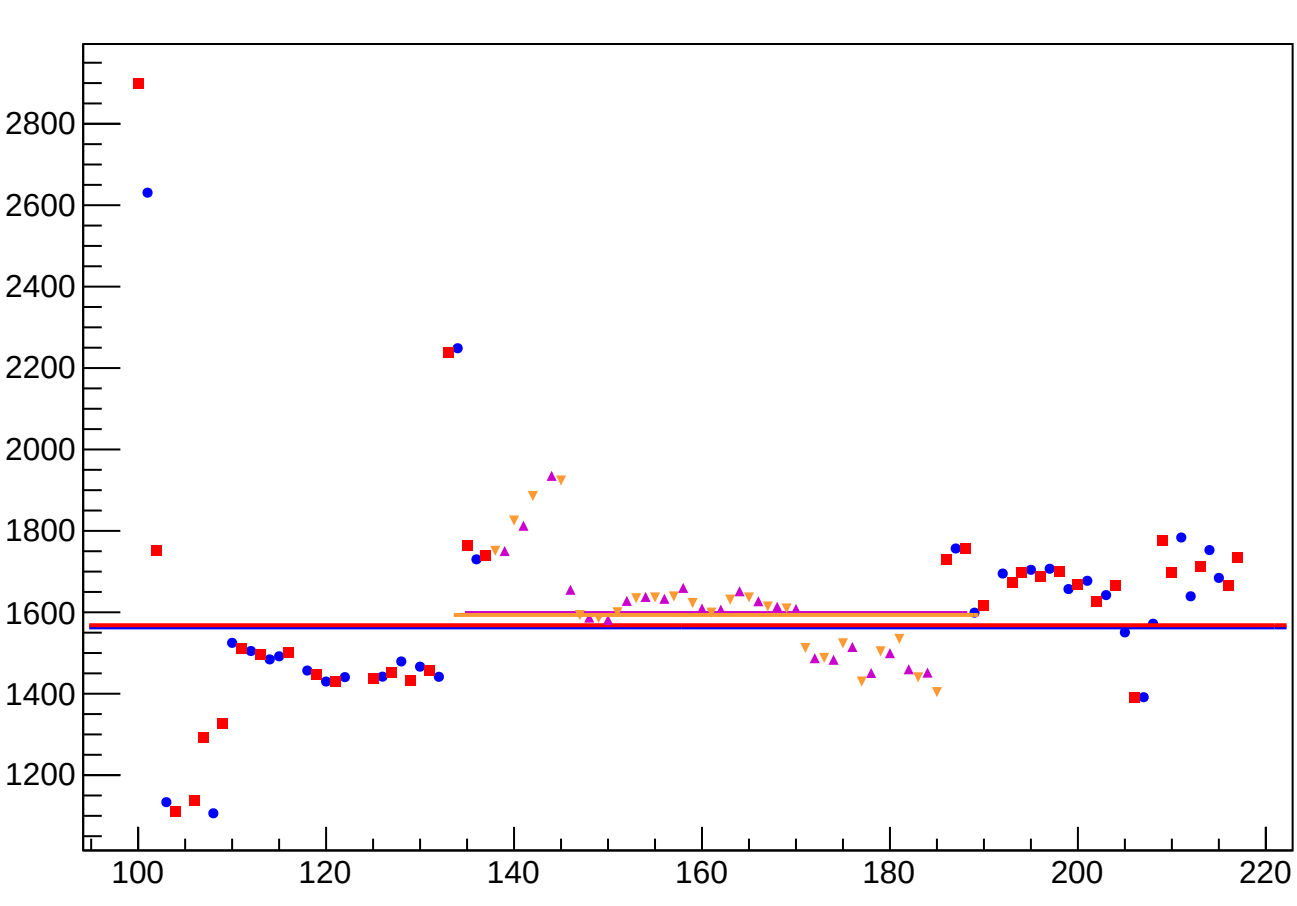
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -118.503+/-252.177 χ^2/NDF: 46.3/64

In: -711.213+/-259.349 χ^2/NDF:24.0/53

Out: 661.462+/-255.857 χ^2/NDF:87.9/57

All: -15.572+/-182.141 χ^2/NDF: 126.1/111



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: 1568.194+/-0.250 χ^2/NDF: 666207.7/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

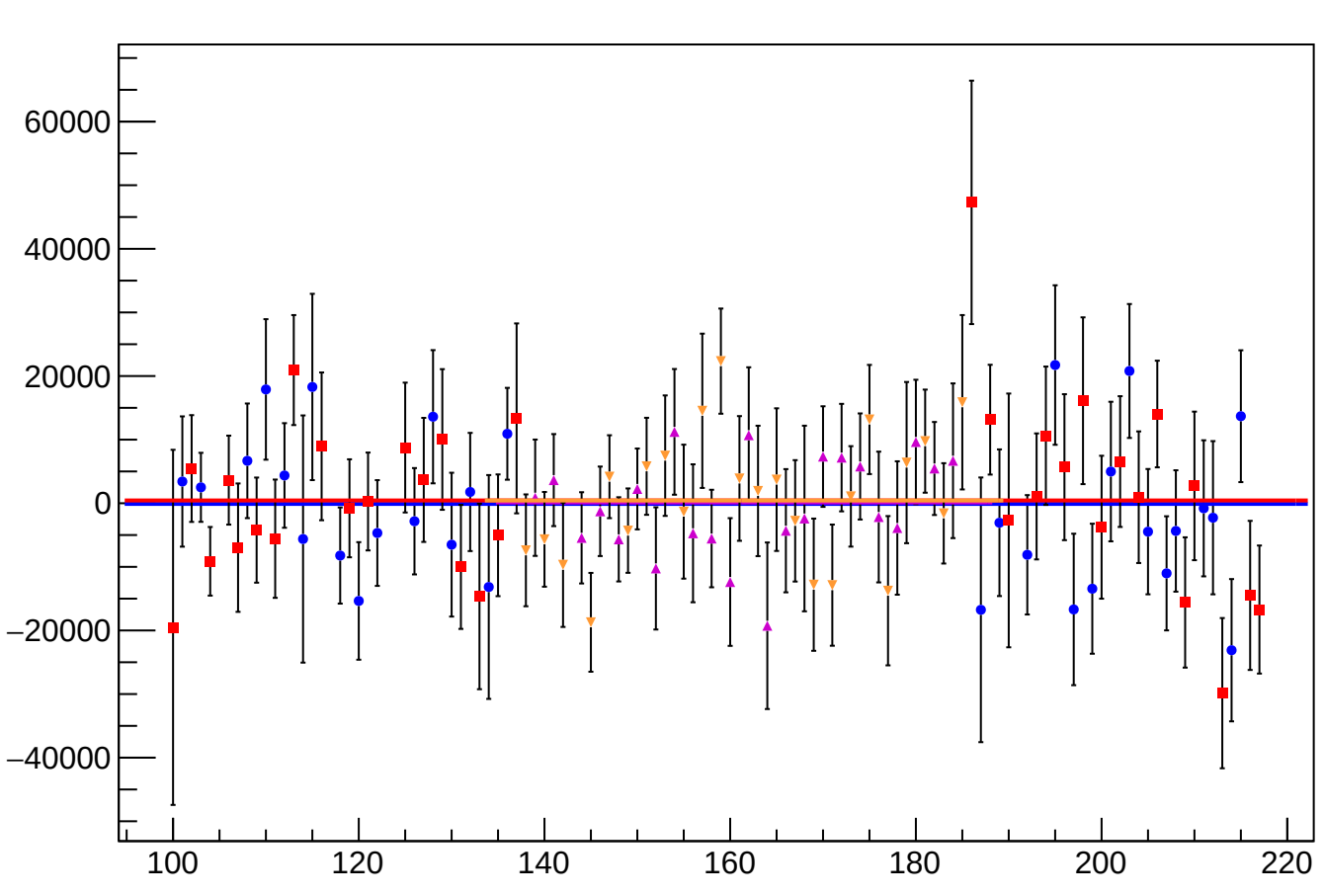
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1565.653+/-0.178 χ^2/NDF: 1454169.7/64

In: 1579.888+/-0.183 χ^2/NDF:966056.1/53

Out: 1580.219+/-0.181 χ^2/NDF:858698.7/57

All: 1580.056+/-0.129 χ^2/NDF: 1824756.5/11



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: 438.421+/-1683.927 χ^2/NDF: 43.9/33

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

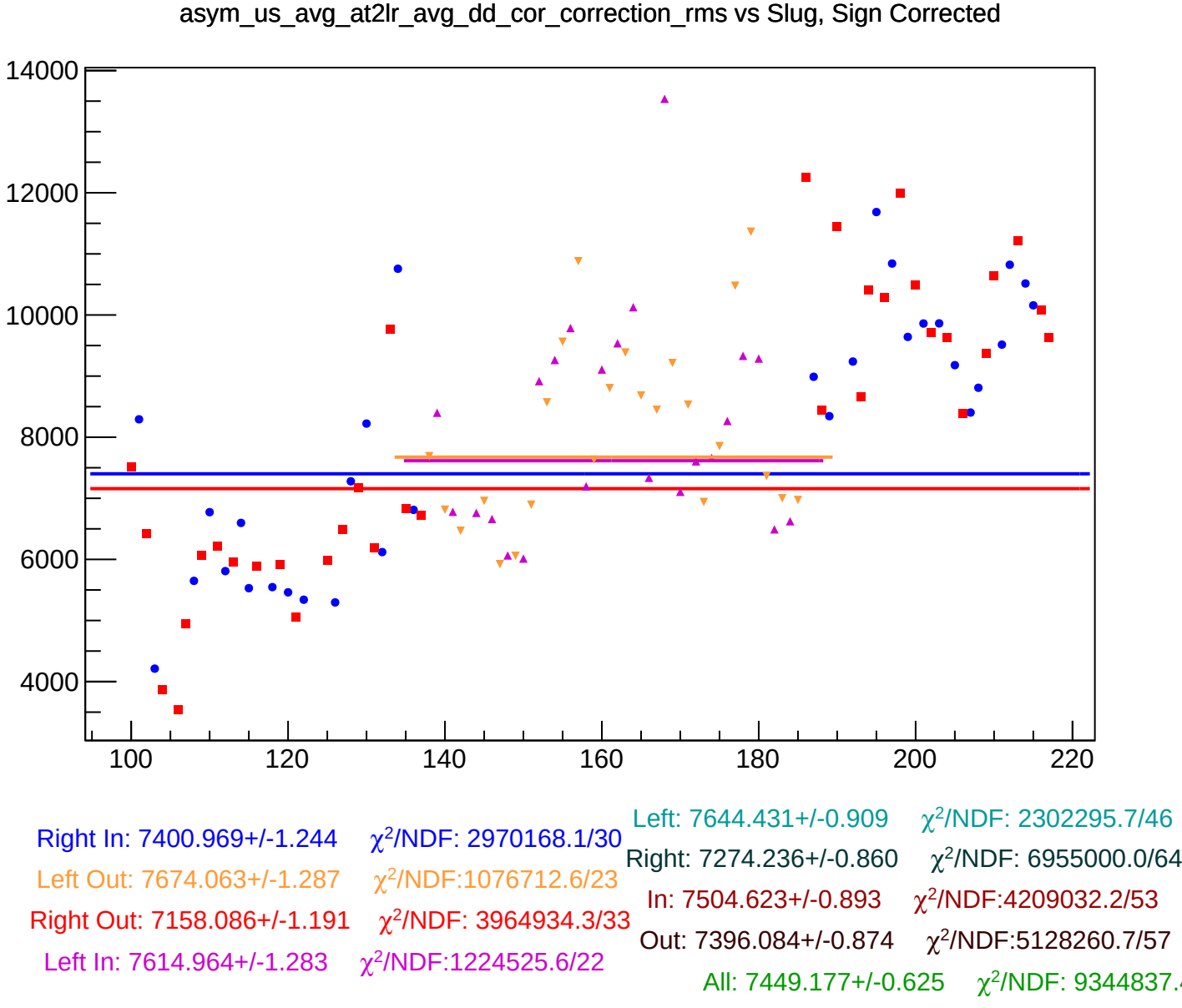
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

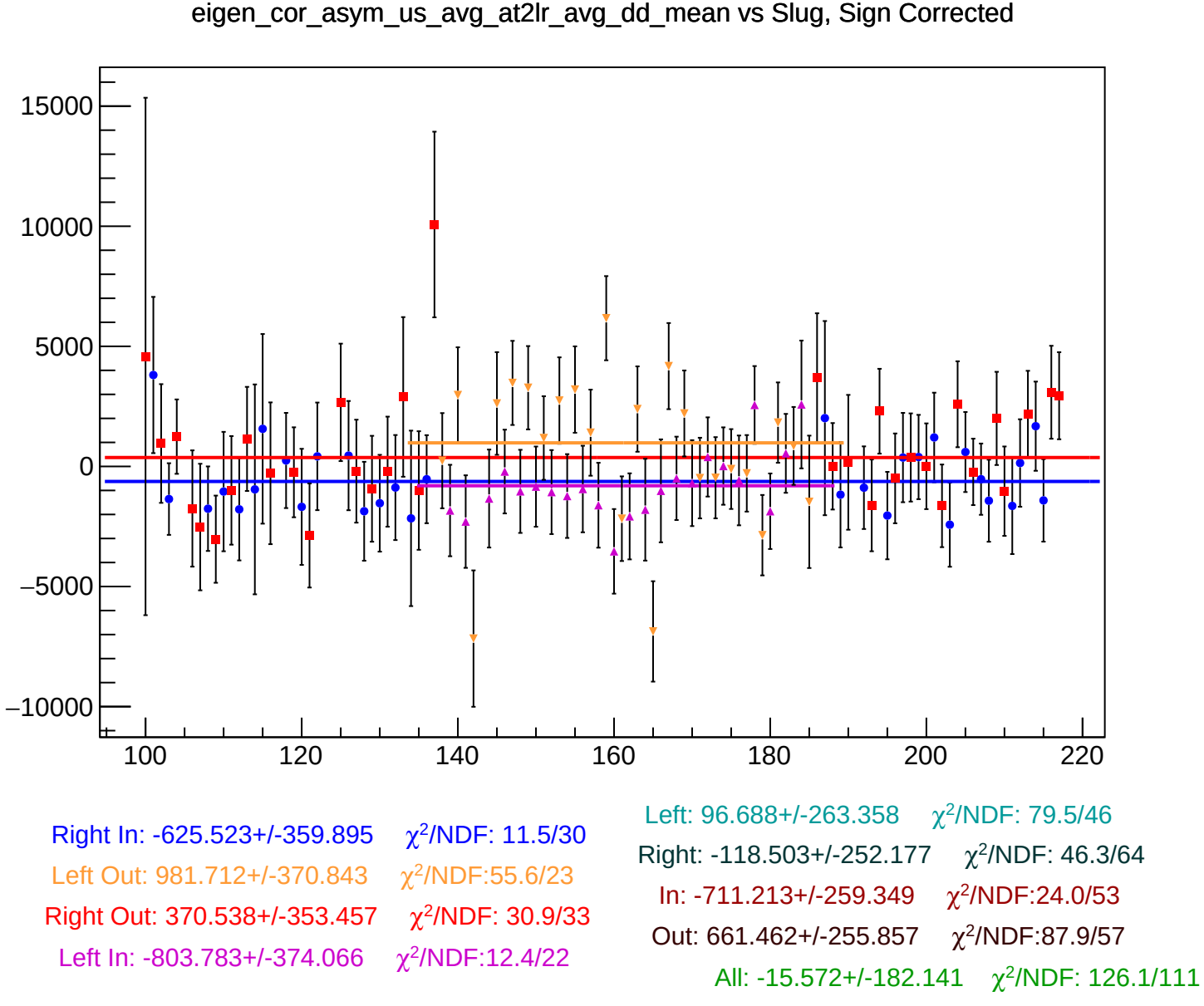
Right: 178.619+/-1216.381 χ^2/NDF: 78.9/64

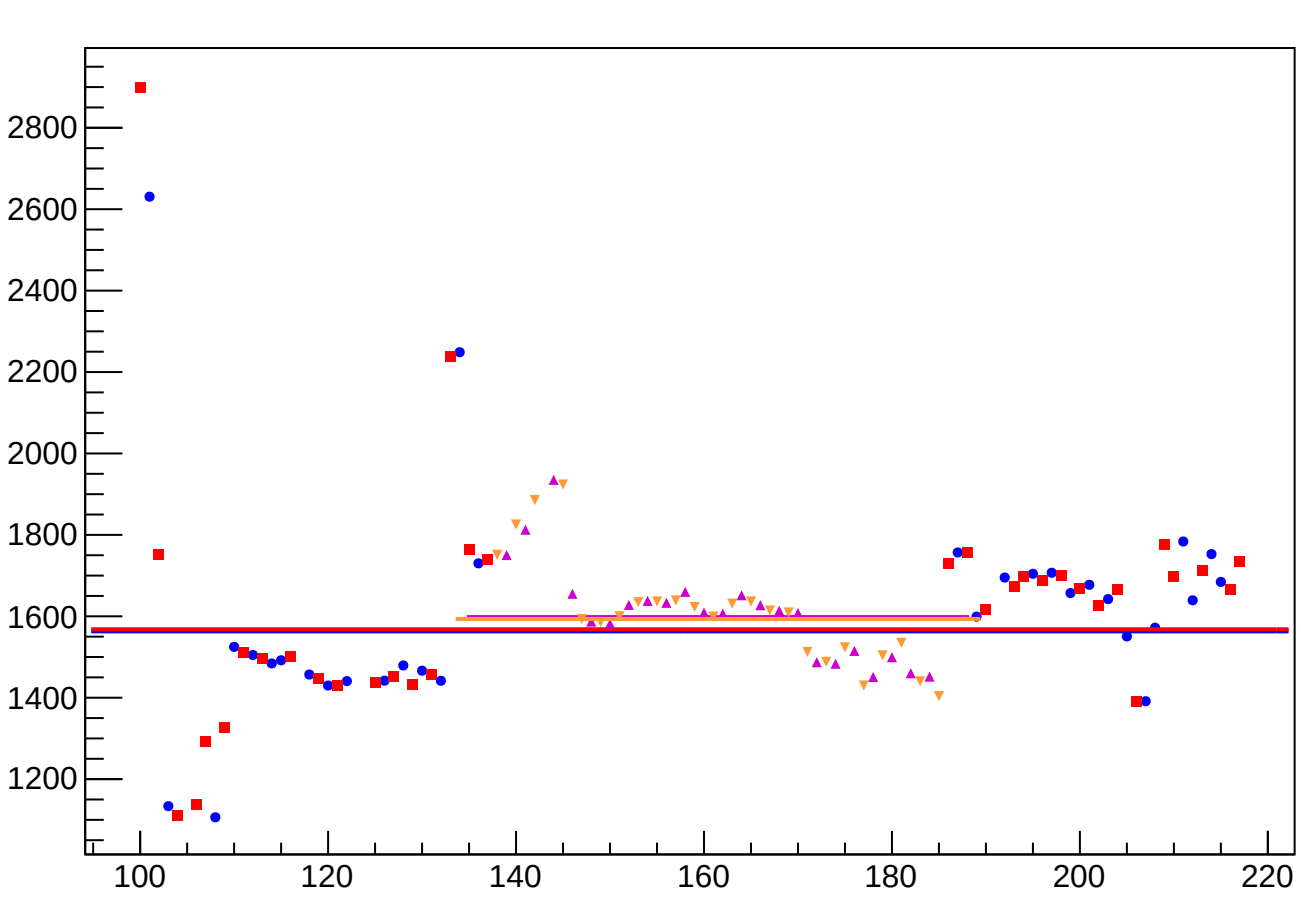
In: 7.147+/-1263.066 χ^2/NDF:48.8/53

Out: 433.016+/-1235.987 χ^2/NDF:73.3/57

All: 224.695+/-883.393 χ^2/NDF: 122.2/111


asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 7400.969+/-1.244 χ²/NDF: 2970168.1/30
Left Out: 7674.063+/-1.287 χ²/NDF:1076712.6/23
Right Out: 7158.086+/-1.191 χ²/NDF: 3964934.3/33
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
Left: 7644.431+/-0.909 χ²/NDF: 2302295.7/46
Right: 7274.236+/-0.860 χ²/NDF: 6955000.0/64
In: 7504.623+/-0.893 χ²/NDF:4209032.2/53
Out: 7396.084+/-0.874 χ²/NDF:5128260.7/57
All: 7449.177+/-0.625 χ²/NDF: 9344837.4/11


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: 370.538+/-353.457 χ²/NDF: 30.9/33
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -118.503+/-252.177 χ²/NDF: 46.3/64
In: -711.213+/-259.349 χ²/NDF:24.0/53
Out: 661.462+/-255.857 χ²/NDF:87.9/57
All: -15.572+/-182.141 χ²/NDF: 126.1/111



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: 1568.194+/-0.250 χ^2/NDF: 666207.7/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

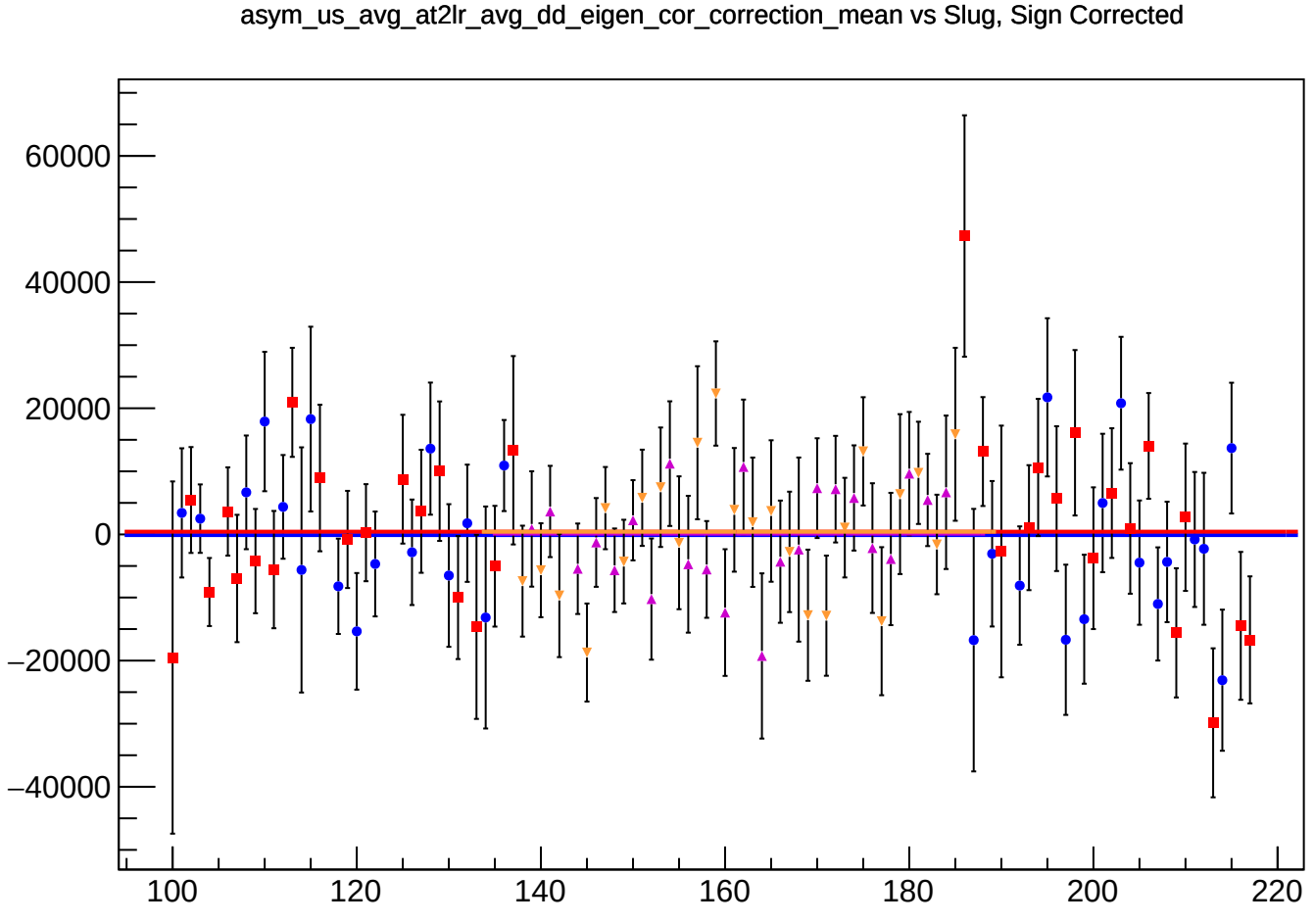
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1565.653+/-0.178 χ^2/NDF: 1454169.7/64

In: 1579.888+/-0.183 χ^2/NDF:966056.1/53

Out: 1580.219+/-0.181 χ^2/NDF:858698.7/57

All: 1580.056+/-0.129 χ^2/NDF: 1824756.5/11



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: 438.421+/-1683.927 χ^2/NDF: 43.9/33

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

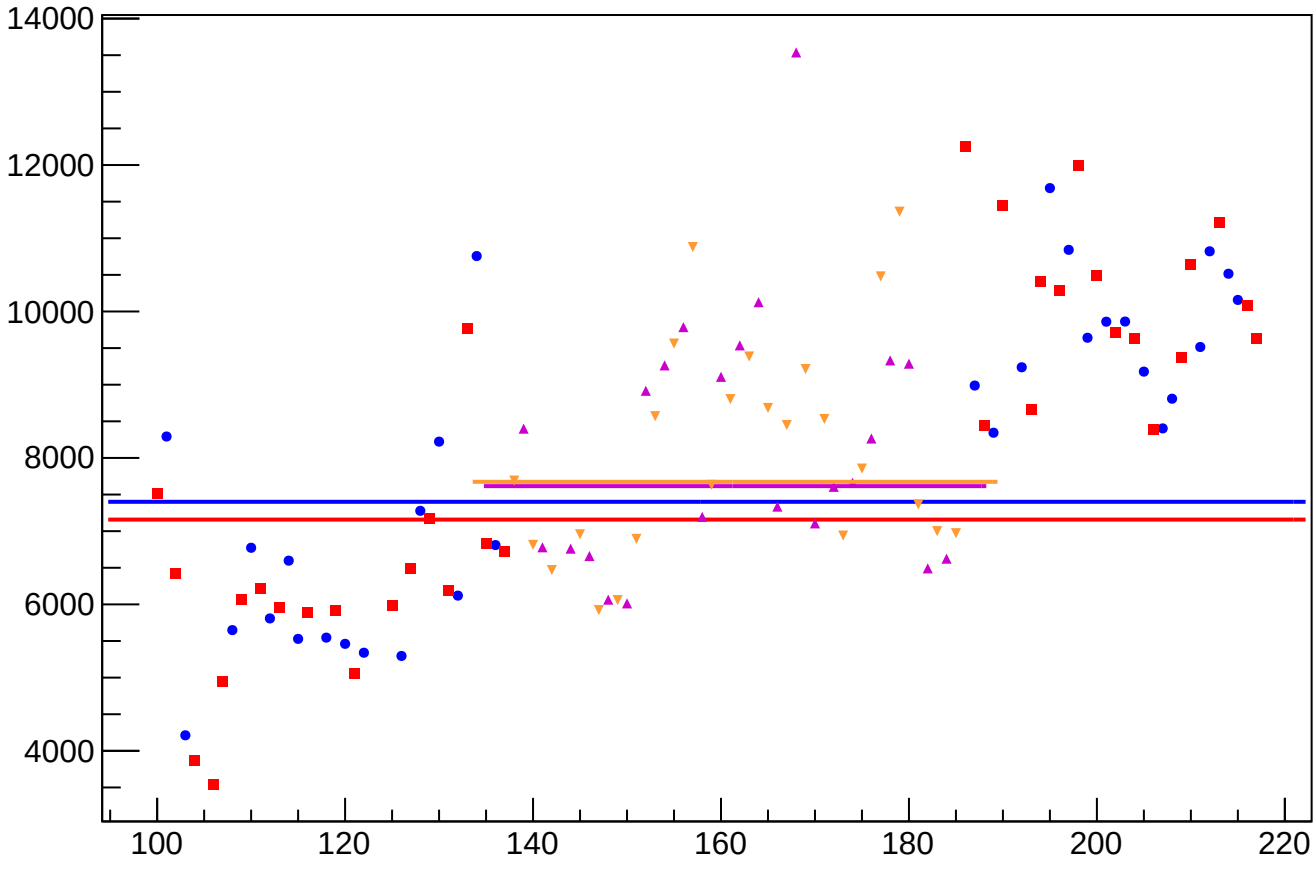
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 178.619+/-1216.381 χ^2/NDF: 78.9/64

In: 7.147+/-1263.066 χ^2/NDF:48.8/53

Out: 433.016+/-1235.987 χ^2/NDF:73.3/57

All: 224.695+/-883.393 χ^2/NDF: 122.2/111



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: 7158.086+/-1.191 χ^2/NDF: 3964934.3/33

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

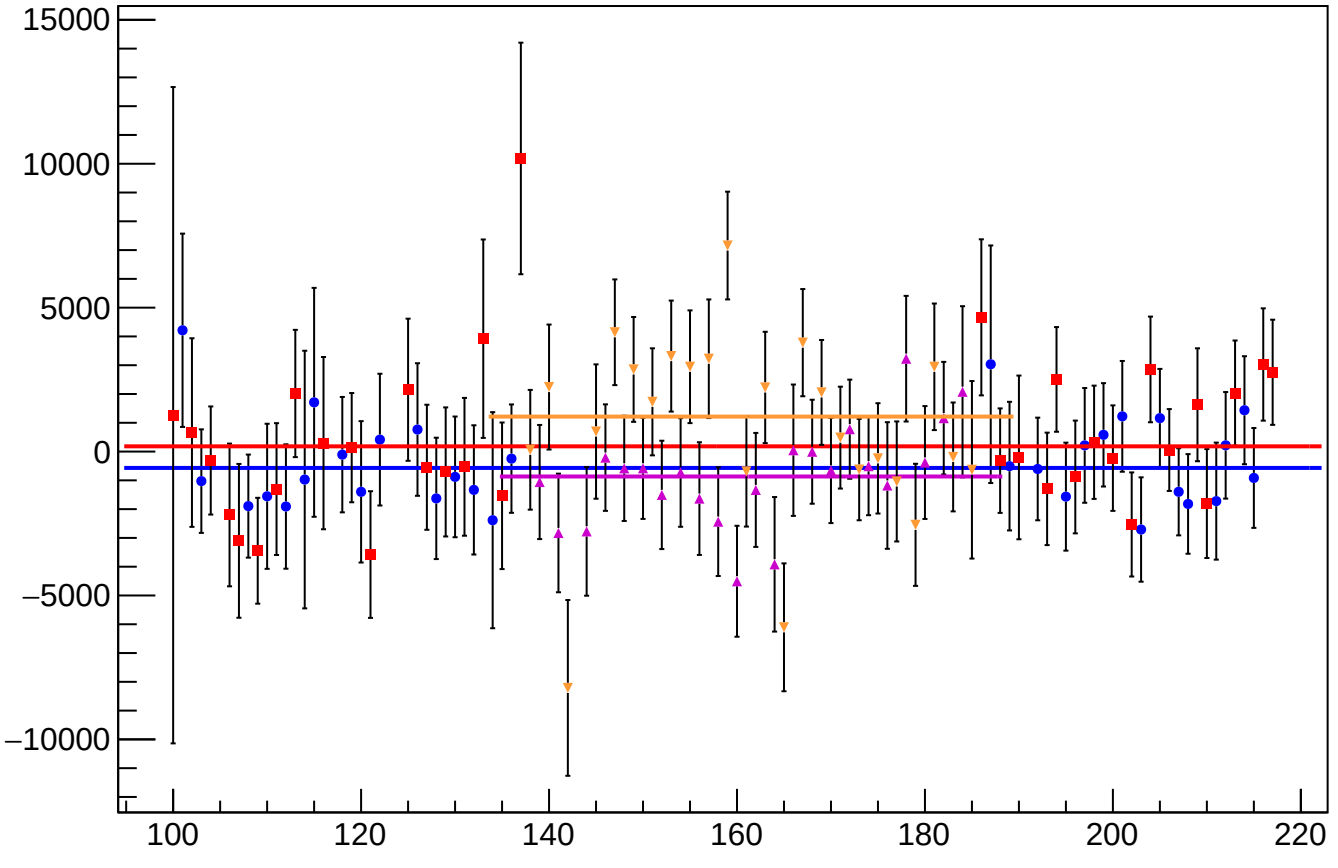
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 7274.236+/-0.860 χ^2/NDF: 6955000.0/64

In: 7504.623+/-0.893 χ^2/NDF:4209032.2/53

Out: 7396.084+/-0.874 χ^2/NDF:5128260.7/57

All: 7449.177+/-0.625 χ^2/NDF: 9344837.4/11



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: 181.813+/-365.971 χ^2/NDF: 35.8/33

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

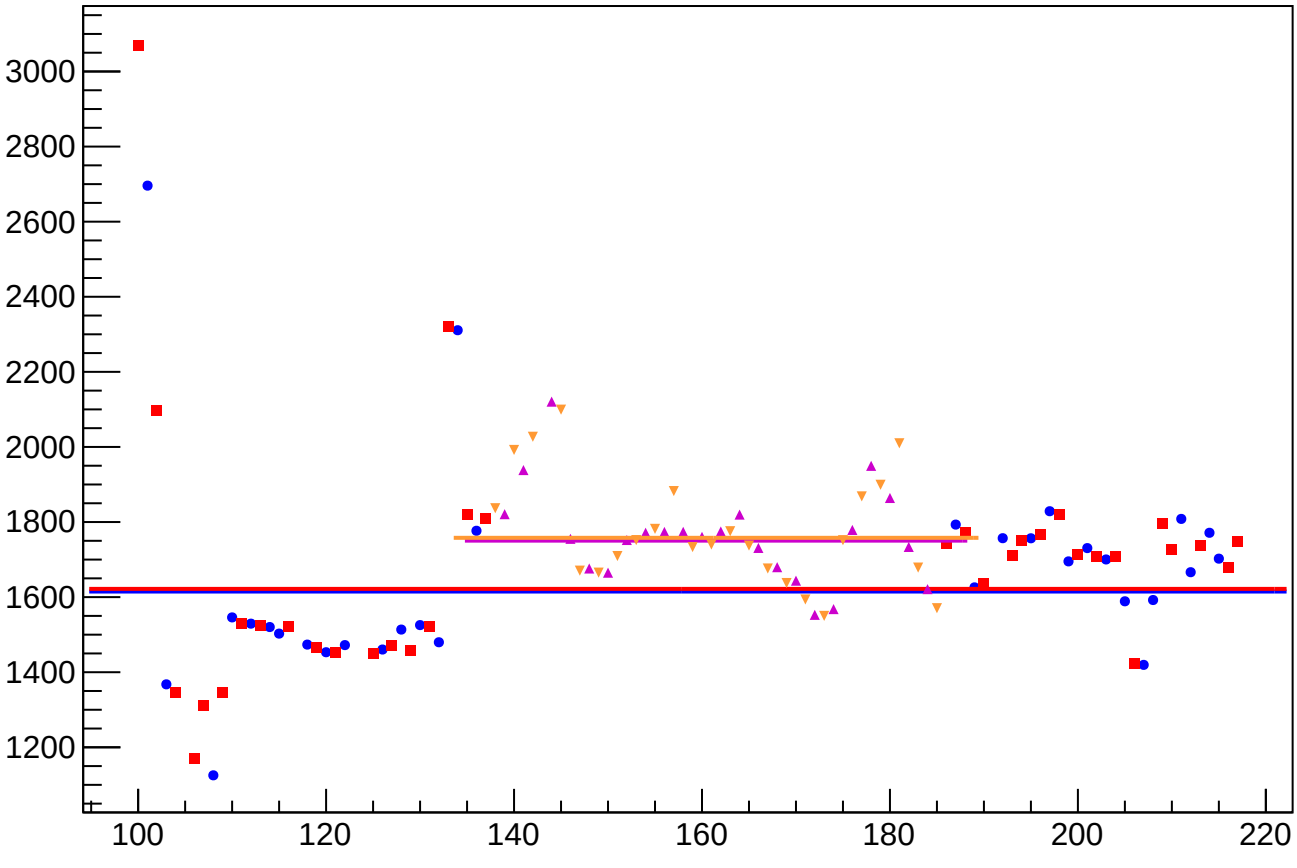
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -187.702+/-260.687 χ^2/NDF: 50.1/64

In: -702.490+/-275.278 χ^2/NDF:27.7/53

Out: 640.645+/-272.902 χ^2/NDF:87.8/57

All: -25.101+/-193.805 χ^2/NDF: 127.5/111



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: 1621.939+/-0.259 χ^2/NDF: 581002.3/33

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

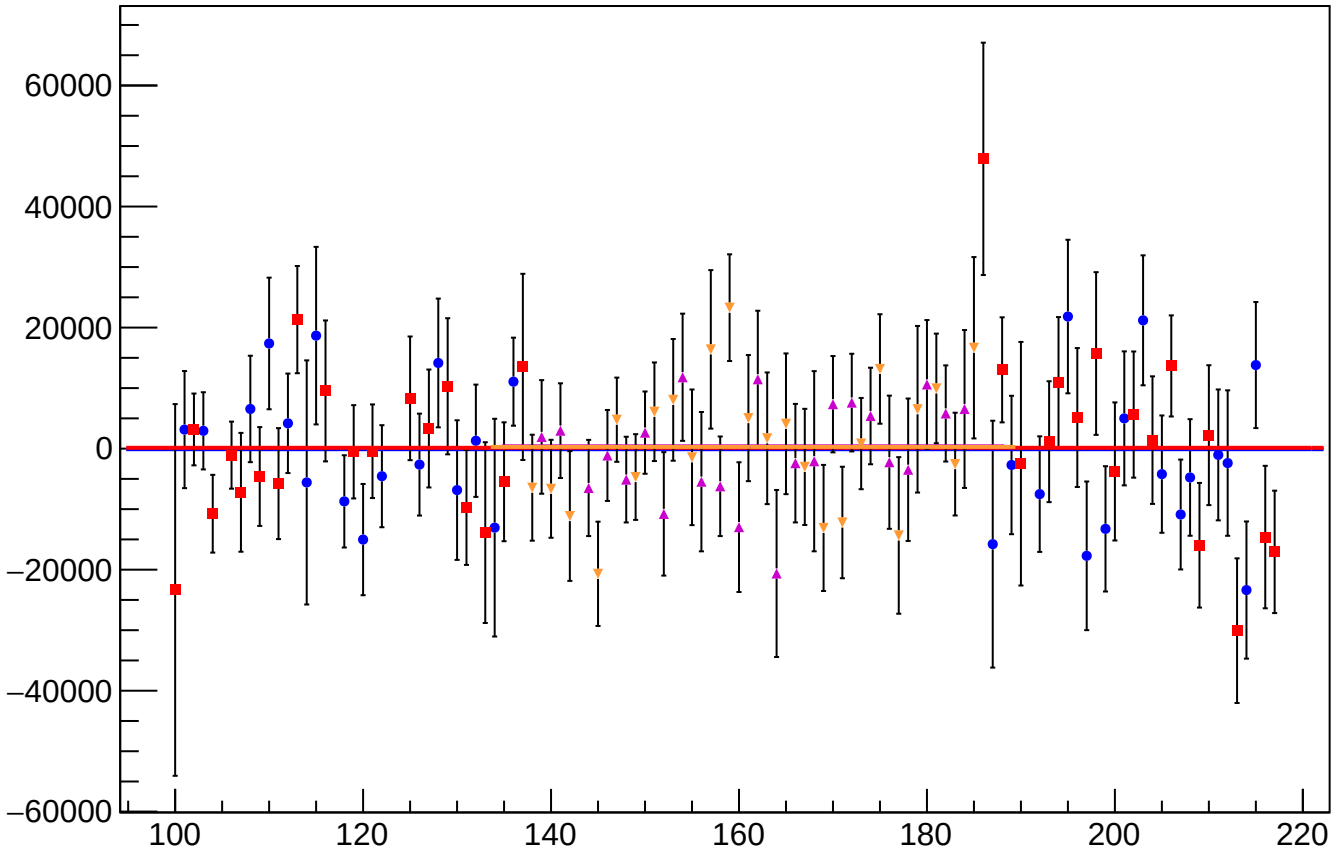
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1618.468+/-0.184 χ^2/NDF: 1256868.1/64

In: 1676.001+/-0.195 χ^2/NDF:967506.6/53

Out: 1682.319+/-0.193 χ^2/NDF:916960.1/57

All: 1679.188+/-0.137 χ^2/NDF: 1884998.0/11



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: 135.721+/-1651.448 χ^2/NDF: 43.4/33

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

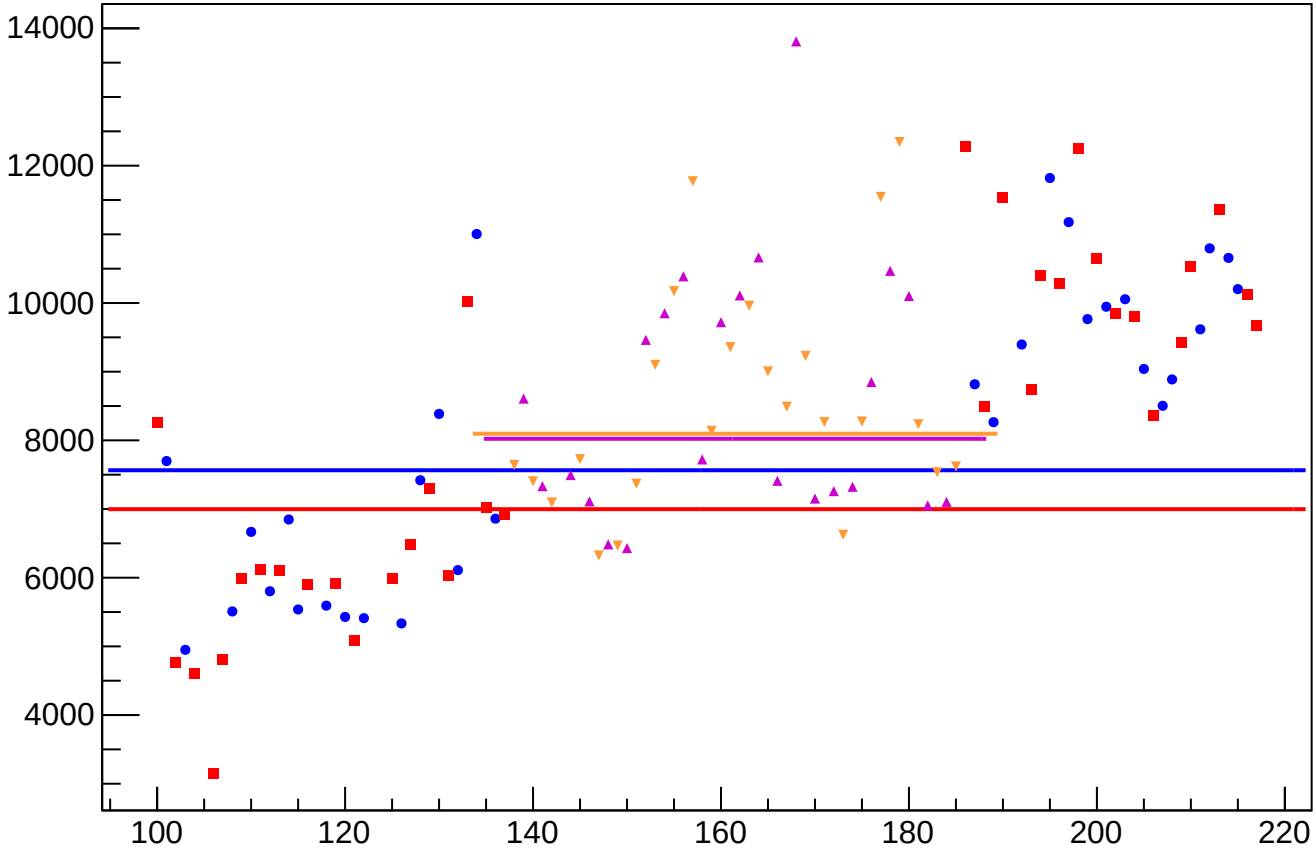
Right: 30.294+/-1213.993 χ^2/NDF: 78.1/64

In: 128.863+/-1307.112 χ^2/NDF:48.4/53

Out: 199.162+/-1252.061 χ^2/NDF:72.0/57

All: 165.524+/-904.176 χ^2/NDF: 120.4/111

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: 6997.935+/-1.168 χ^2/NDF: 4438528.3/33

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

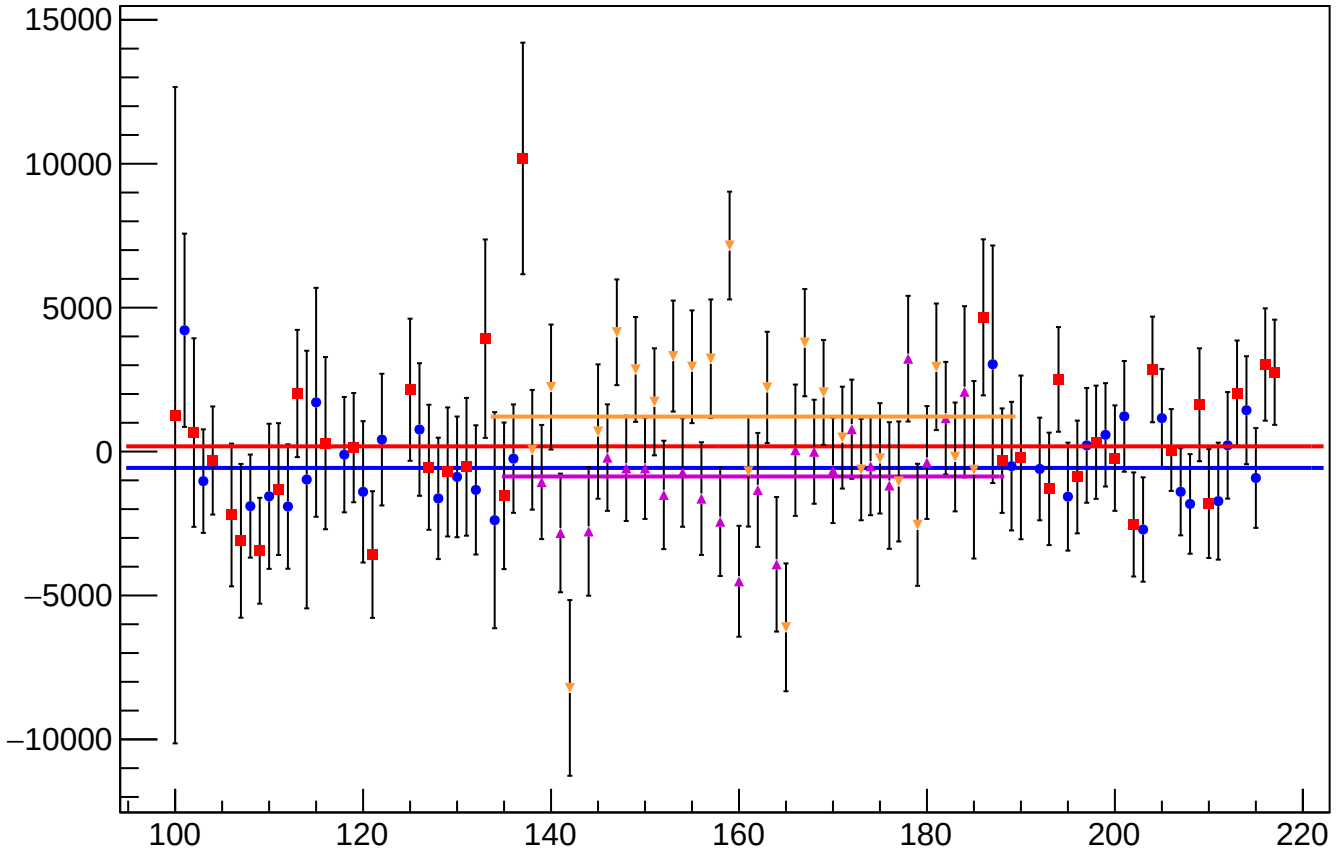
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 7258.446+/-0.858 χ^2/NDF: 7180088.9/64

In: 7778.696+/-0.924 χ^2/NDF:3919946.9/53

Out: 7465.175+/-0.885 χ^2/NDF:5902843.2/57

All: 7615.194+/-0.639 χ^2/NDF: 9882795.6/11



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: 181.811+/-365.971 χ^2/NDF: 35.8/33

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

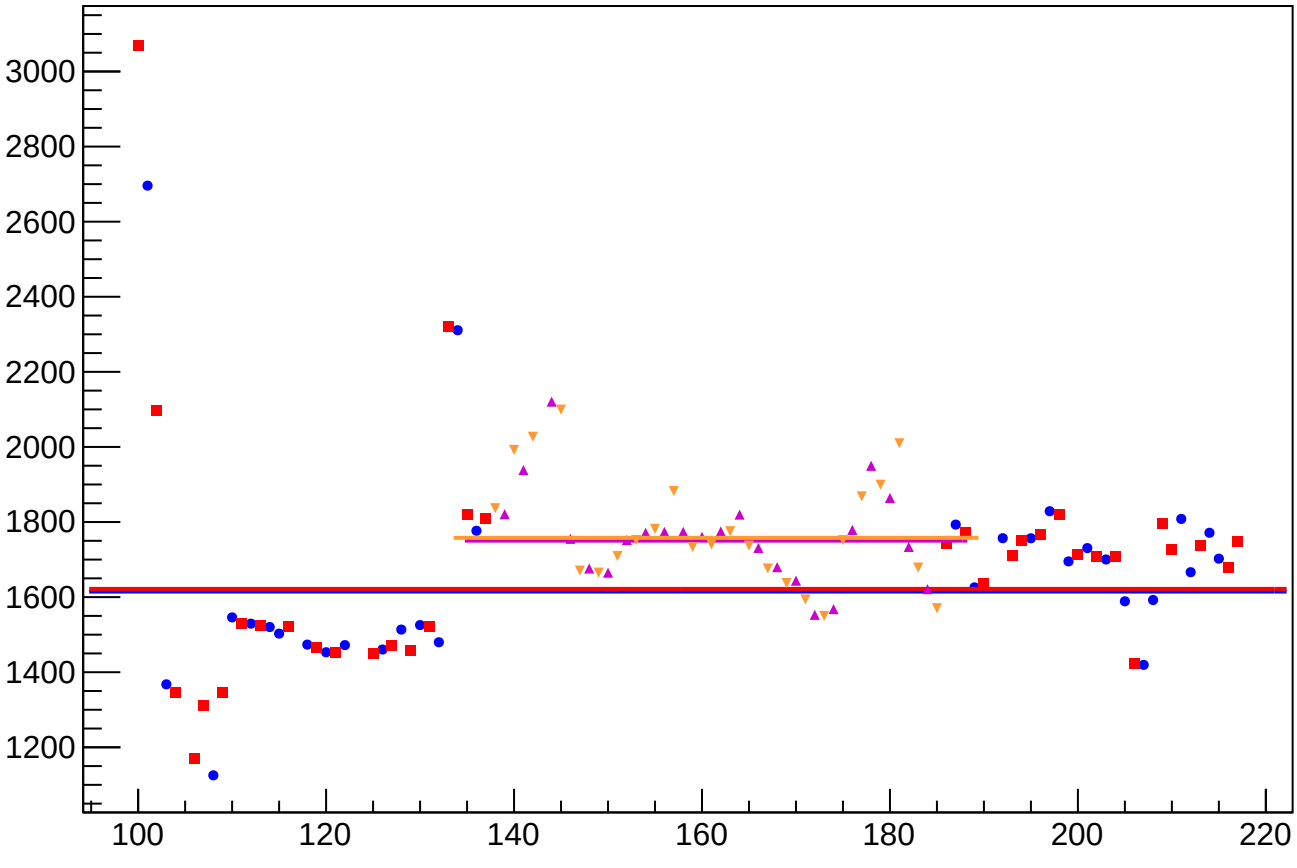
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -187.701+/-260.687 χ^2/NDF: 50.1/64

In: -702.488+/-275.278 χ^2/NDF:27.7/53

Out: 640.646+/-272.902 χ^2/NDF:87.8/57

All: -25.099+/-193.806 χ^2/NDF: 127.5/111



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: 1621.939+/-0.259 χ^2/NDF: 581003.3/33

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

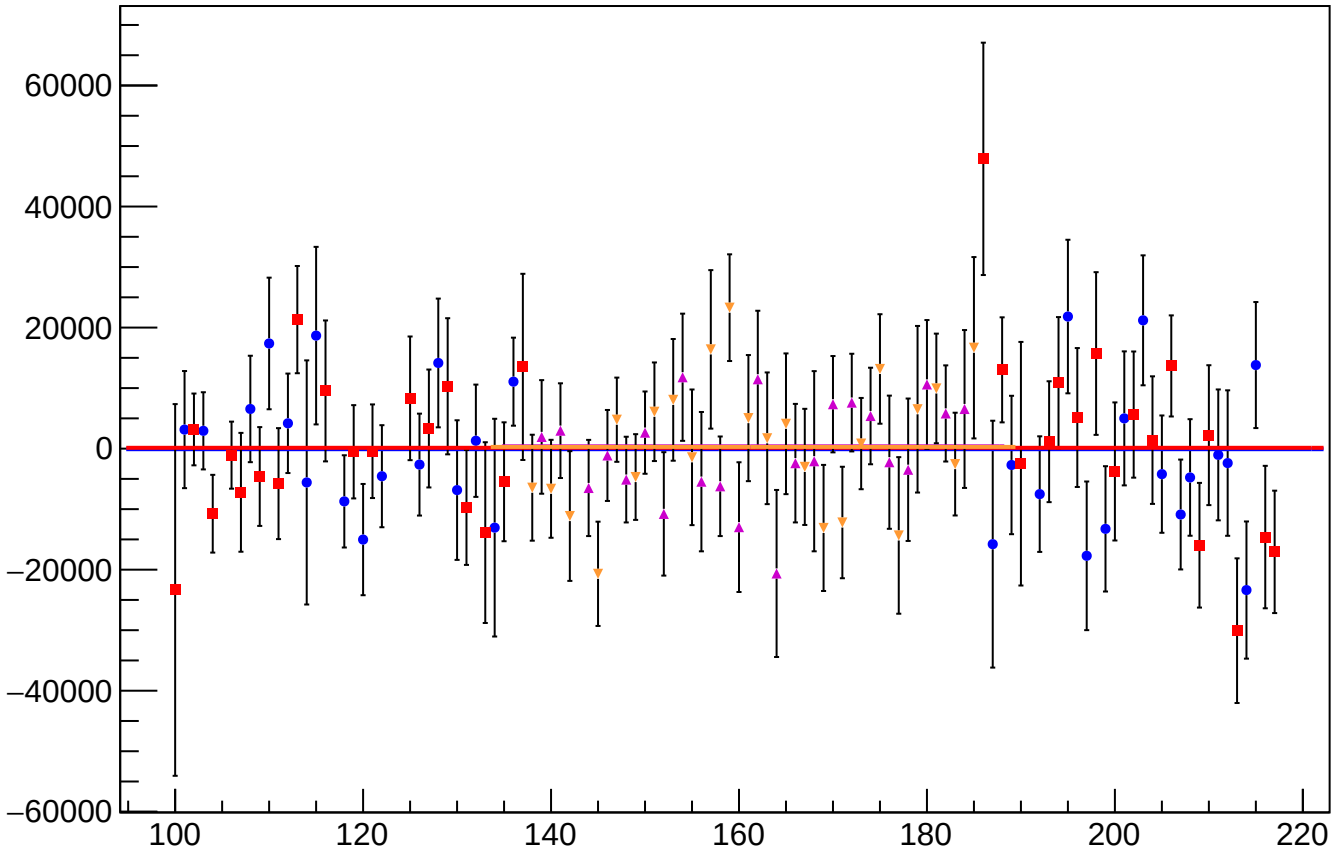
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1618.469+/-0.184 χ^2/NDF: 1256869.1/64

In: 1676.003+/-0.195 χ^2/NDF:967519.2/53

Out: 1682.320+/-0.193 χ^2/NDF:916973.9/57

All: 1679.189+/-0.137 χ^2/NDF: 1885024.3/11



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: 135.714+/-1651.447 χ^2/NDF: 43.4/33

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

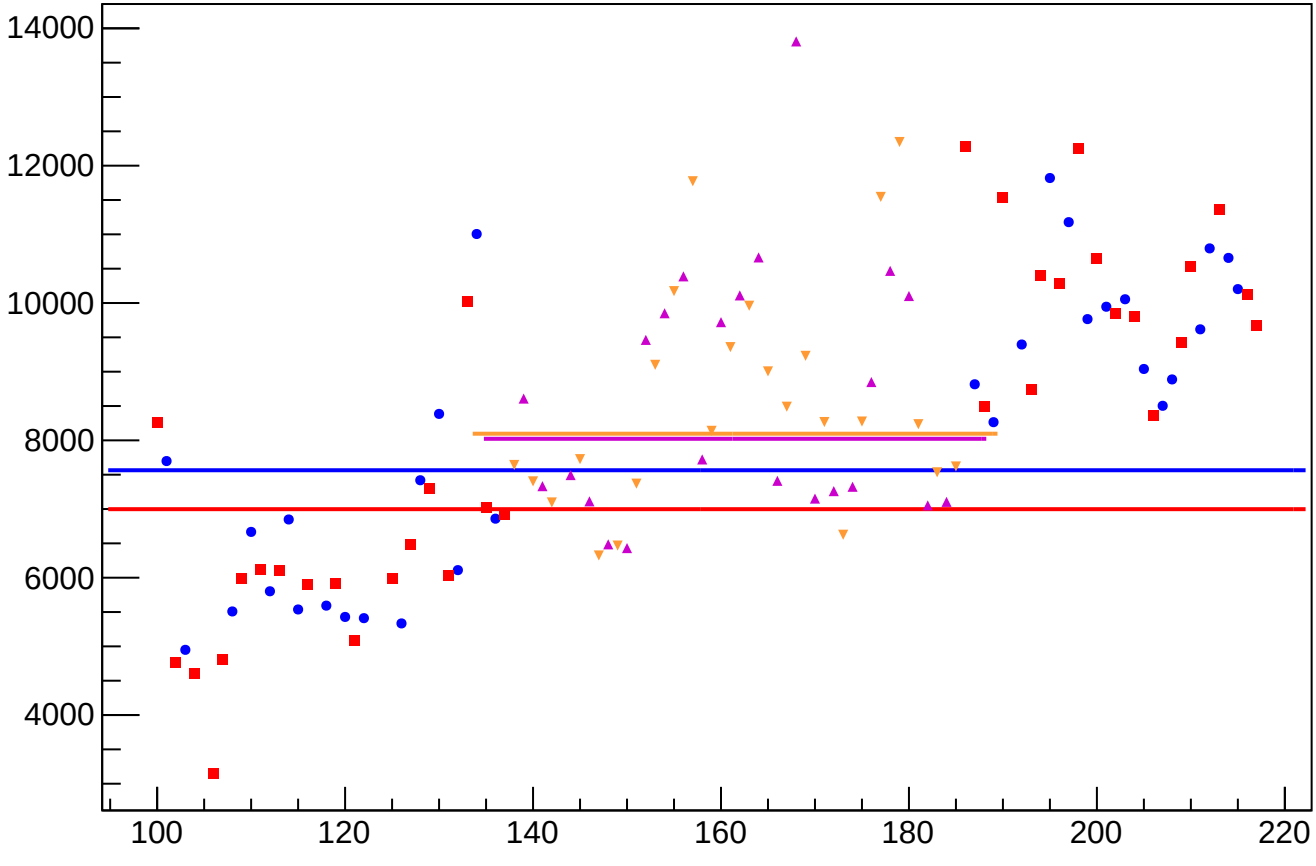
Right: 30.287+/-1213.992 χ^2/NDF: 78.1/64

In: 128.860+/-1307.113 χ^2/NDF:48.4/53

Out: 199.158+/-1252.061 χ^2/NDF:72.0/57

All: 165.521+/-904.177 χ^2/NDF: 120.4/111

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: 6997.926+/-1.168 χ^2/NDF: 4438562.8/33

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

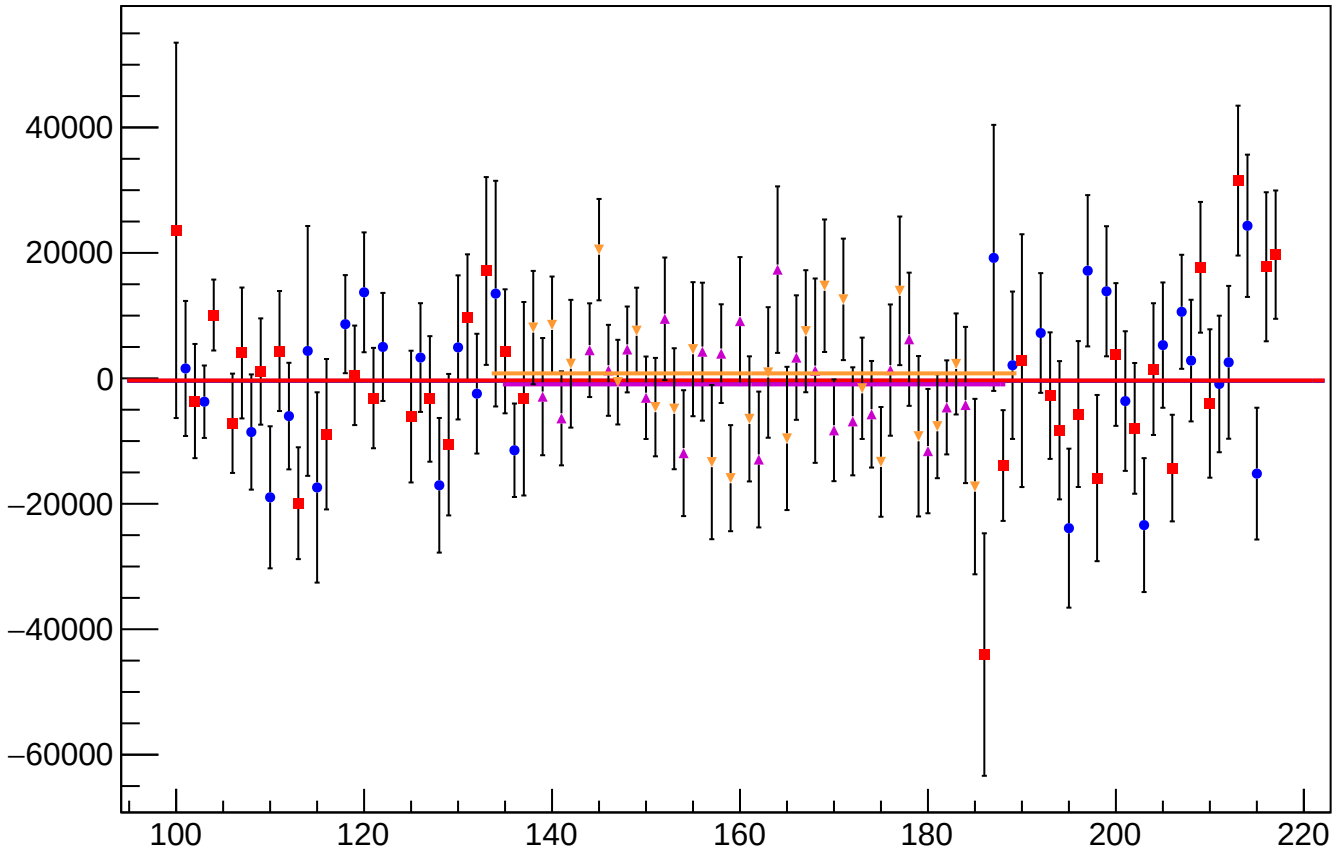
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 7258.438+/-0.858 χ^2/NDF: 7180159.8/64

In: 7778.697+/-0.924 χ^2/NDF:3919991.9/53

Out: 7465.174+/-0.885 χ^2/NDF:5902894.5/57

All: 7615.194+/-0.639 χ^2/NDF: 9882892.8/11



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: -342.025+/-1740.143 χ^2/NDF: 44.1/33

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

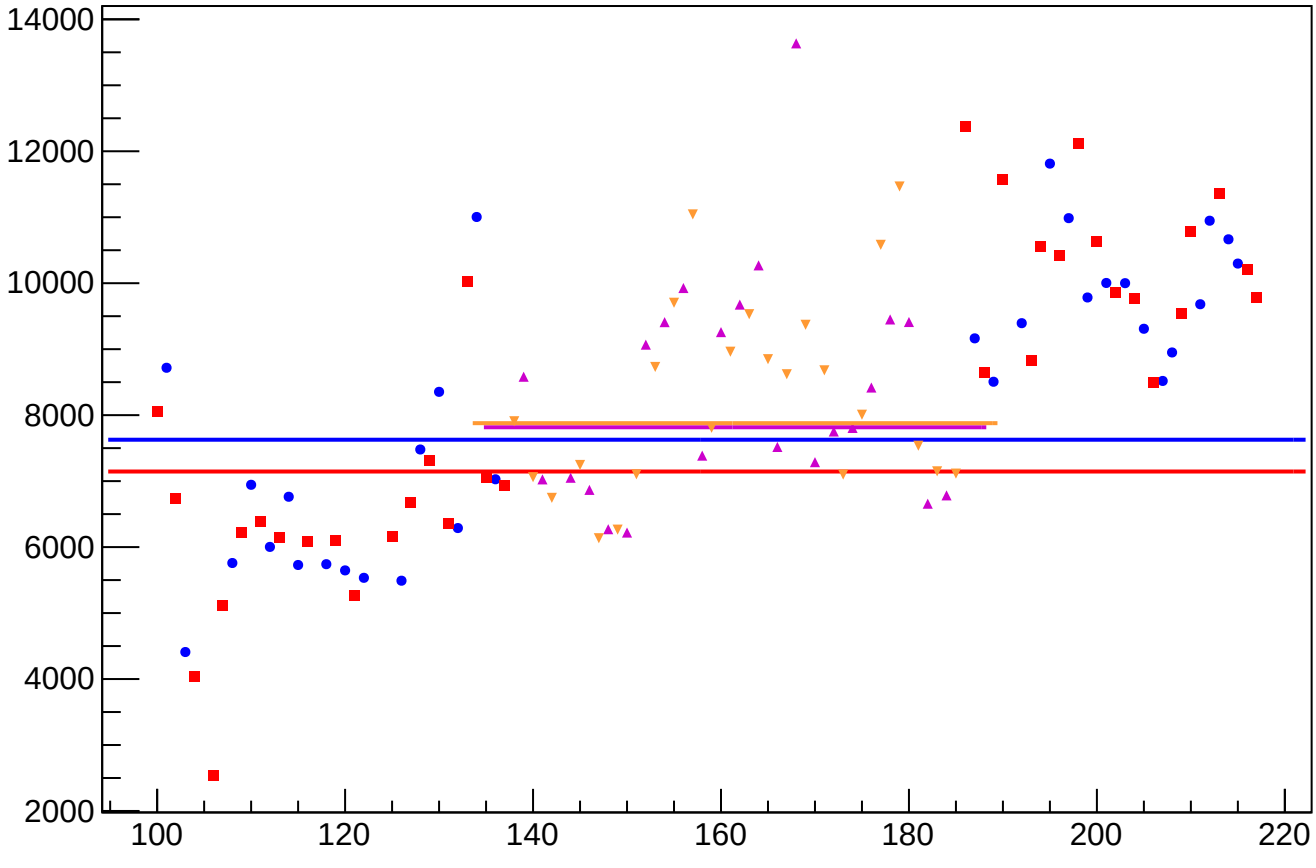
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -367.690+/-1253.790 χ^2/NDF: 81.7/64

In: -671.645+/-1296.440 χ^2/NDF:50.4/53

Out: 185.384+/-1272.354 χ^2/NDF:71.5/57

All: -235.095+/-908.086 χ^2/NDF: 122.1/111



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: 7145.595+/-1.203 χ^2/NDF: 4639591.0/33

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

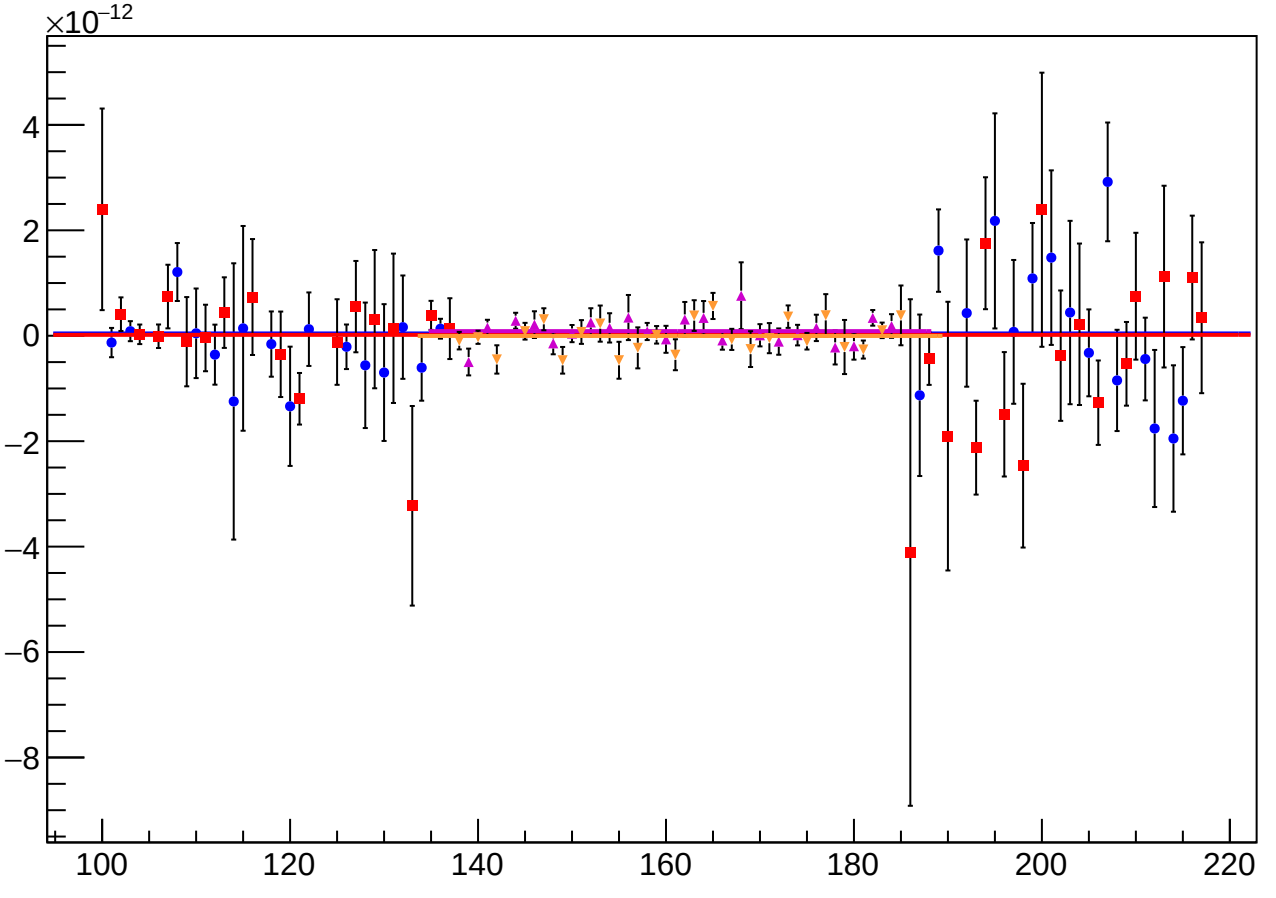
Right: 7371.906+/-0.876 χ^2/NDF: 7473718.2/64

In: 7719.316+/-0.917 χ^2/NDF:3901735.8/53

Out: 7478.434+/-0.889 χ^2/NDF:5798215.6/57

All: 7595.147+/-0.638 χ^2/NDF: 9735542.8/11

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: 36.7/33

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

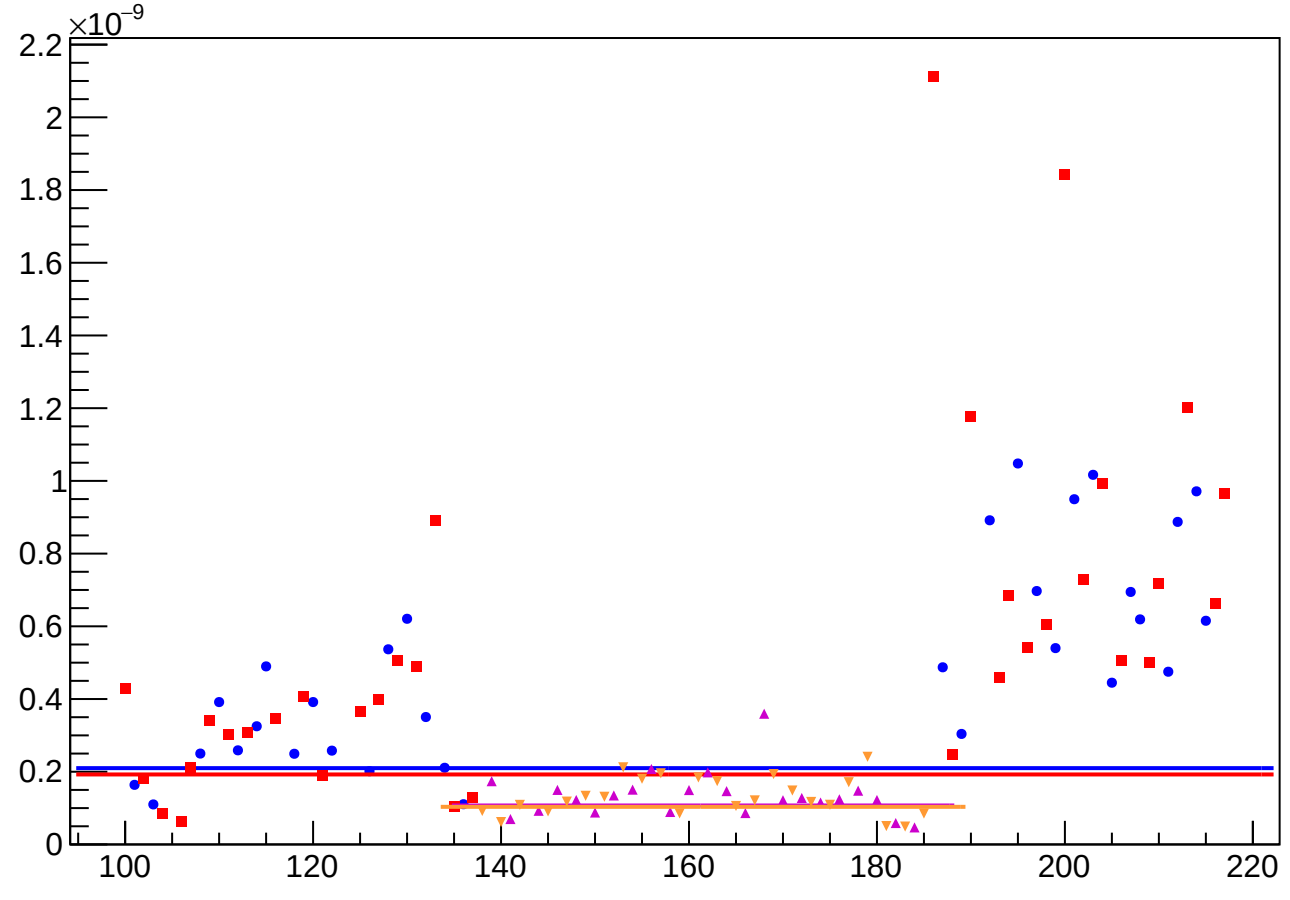
Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

Right: 0.000+/-0.000 χ^2/NDF: 66.9/64

In: 0.000+/-0.000 χ^2/NDF:49.7/53

Out: -0.000+/-0.000 χ^2/NDF:65.4/57

All: 0.000+/-0.000 χ^2/NDF: 117.0/111



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: 8417344.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

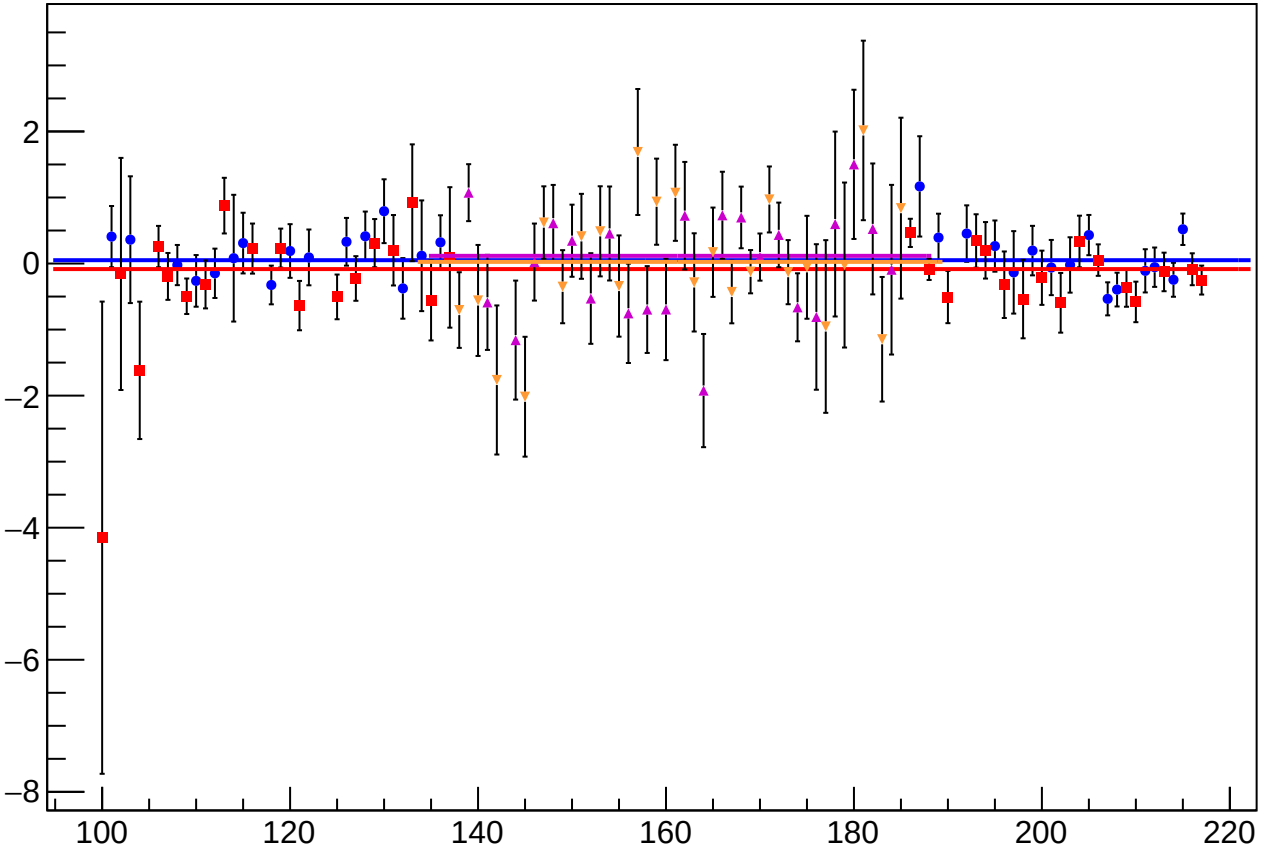
Right: 0.000+/-0.000 χ^2/NDF: 14883901.8/64

In: 0.000+/-0.000 χ^2/NDF:9854296.6/53

Out: 0.000+/-0.000 χ^2/NDF:11747761.9/57

All: 0.000+/-0.000 χ^2/NDF: 21625280.1/111

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: -0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

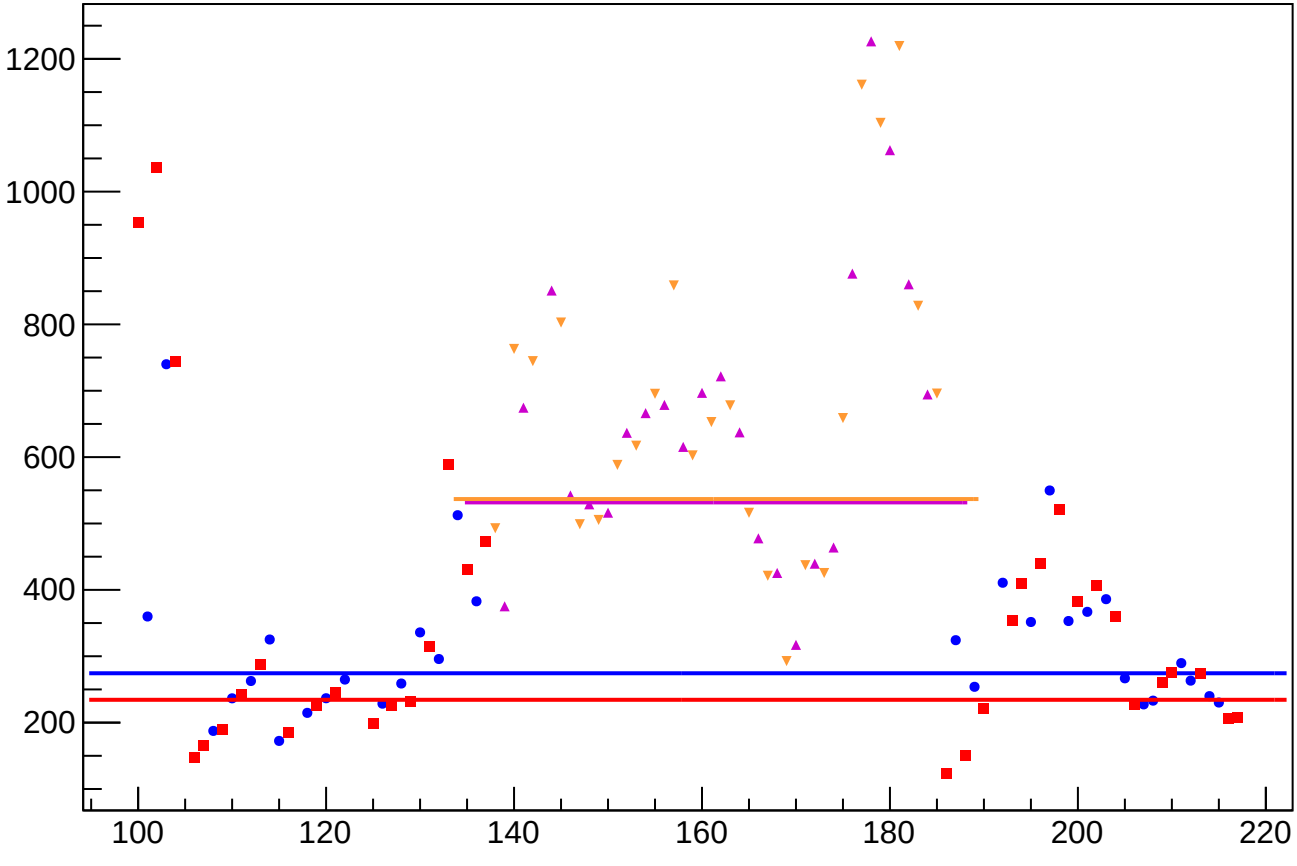
Right: -0.026+/-0.044 χ^2/NDF: 70.5/64

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.067+/-0.053 χ^2/NDF:68.6/57

All: -0.008+/-0.040 χ^2/NDF: 128.5/111

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: 234.381+/-0.041 χ^2/NDF: 5332246.4/33

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

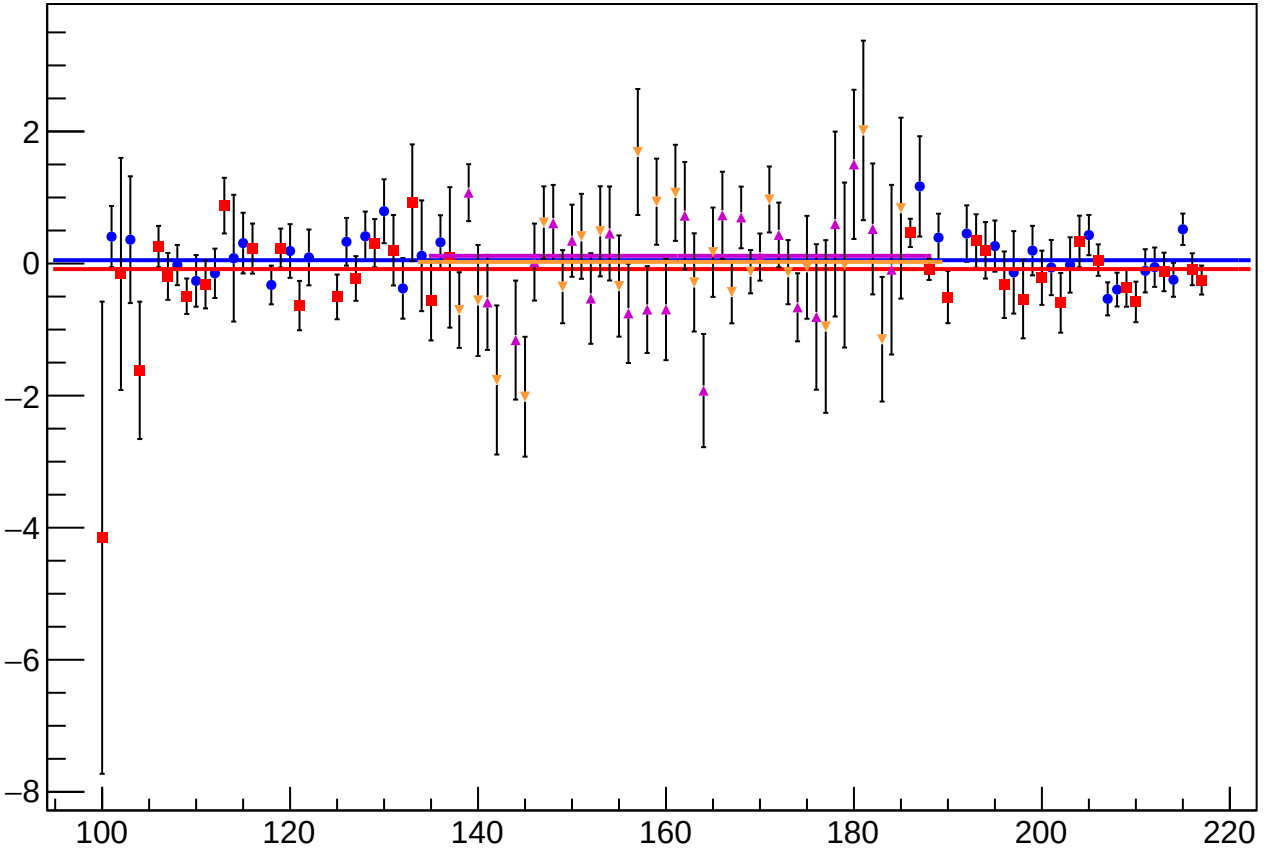
Right: 251.729+/-0.031 χ^2/NDF: 8297516.8/64

In: 325.735+/-0.042 χ^2/NDF:11977834.5/53

Out: 281.989+/-0.038 χ^2/NDF:17883744.5/57

All: 301.523+/-0.028 χ^2/NDF: 30466501.5/11

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: -0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

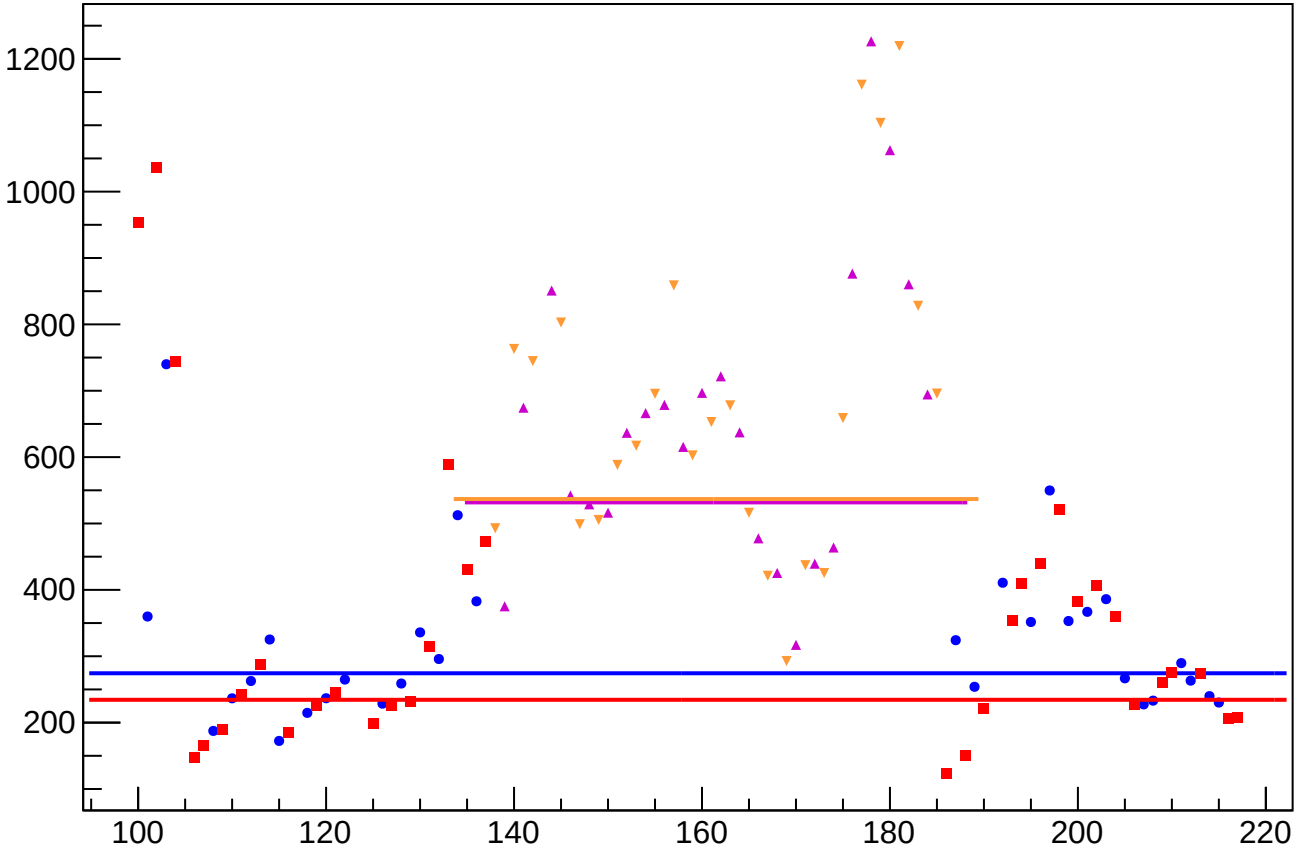
Right: -0.026+/-0.044 χ^2/NDF: 70.5/64

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.067+/-0.053 χ^2/NDF:68.6/57

All: -0.008+/-0.040 χ^2/NDF: 128.5/111

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: 234.381+/-0.041 χ^2/NDF: 5332246.4/33

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

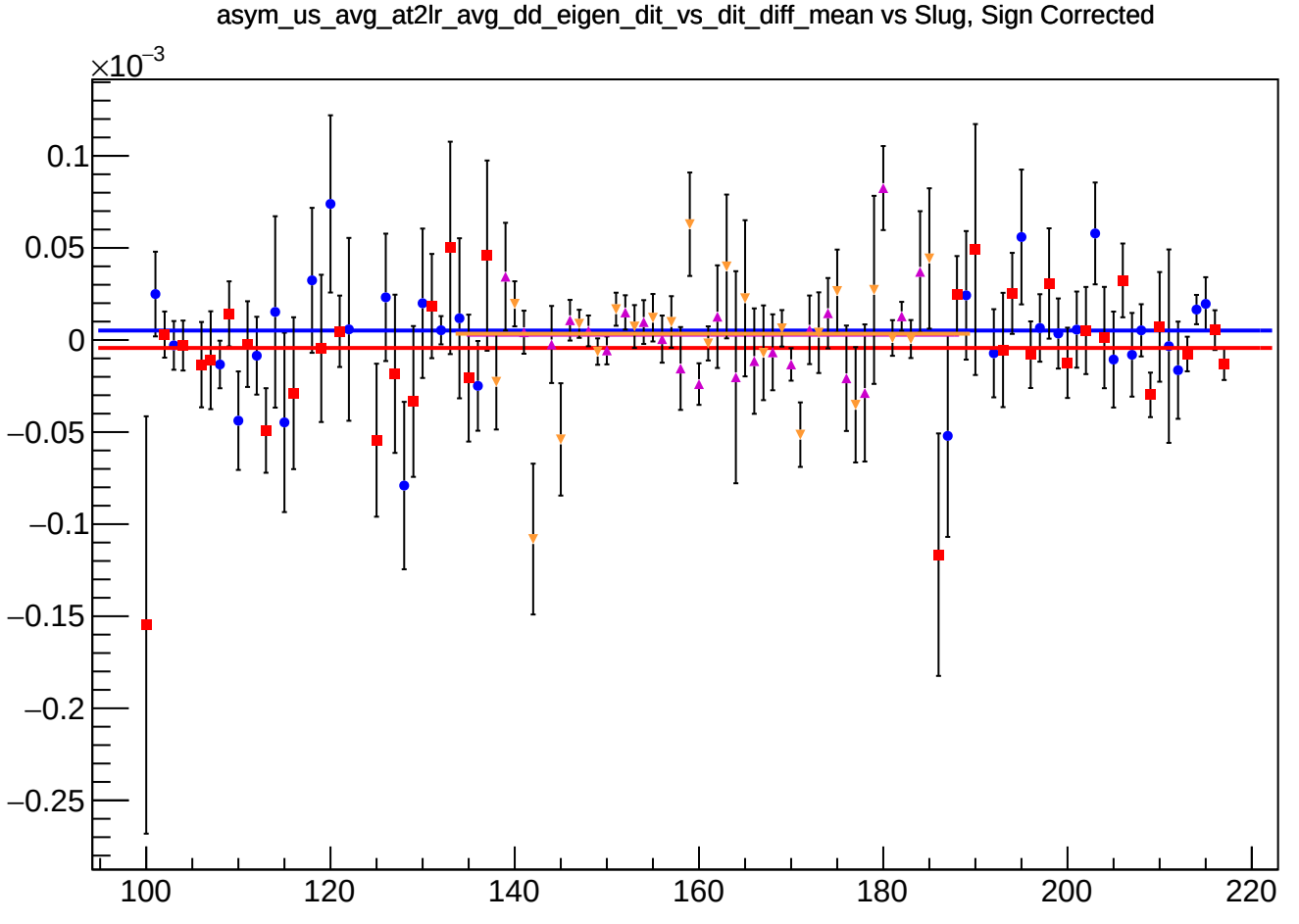
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 251.729+/-0.031 χ^2/NDF: 8297516.8/64

In: 325.735+/-0.042 χ^2/NDF:11977834.5/53

Out: 281.989+/-0.038 χ^2/NDF:17883744.5/57

All: 301.523+/-0.028 χ^2/NDF: 30466501.5/11



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: 31.5/33

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

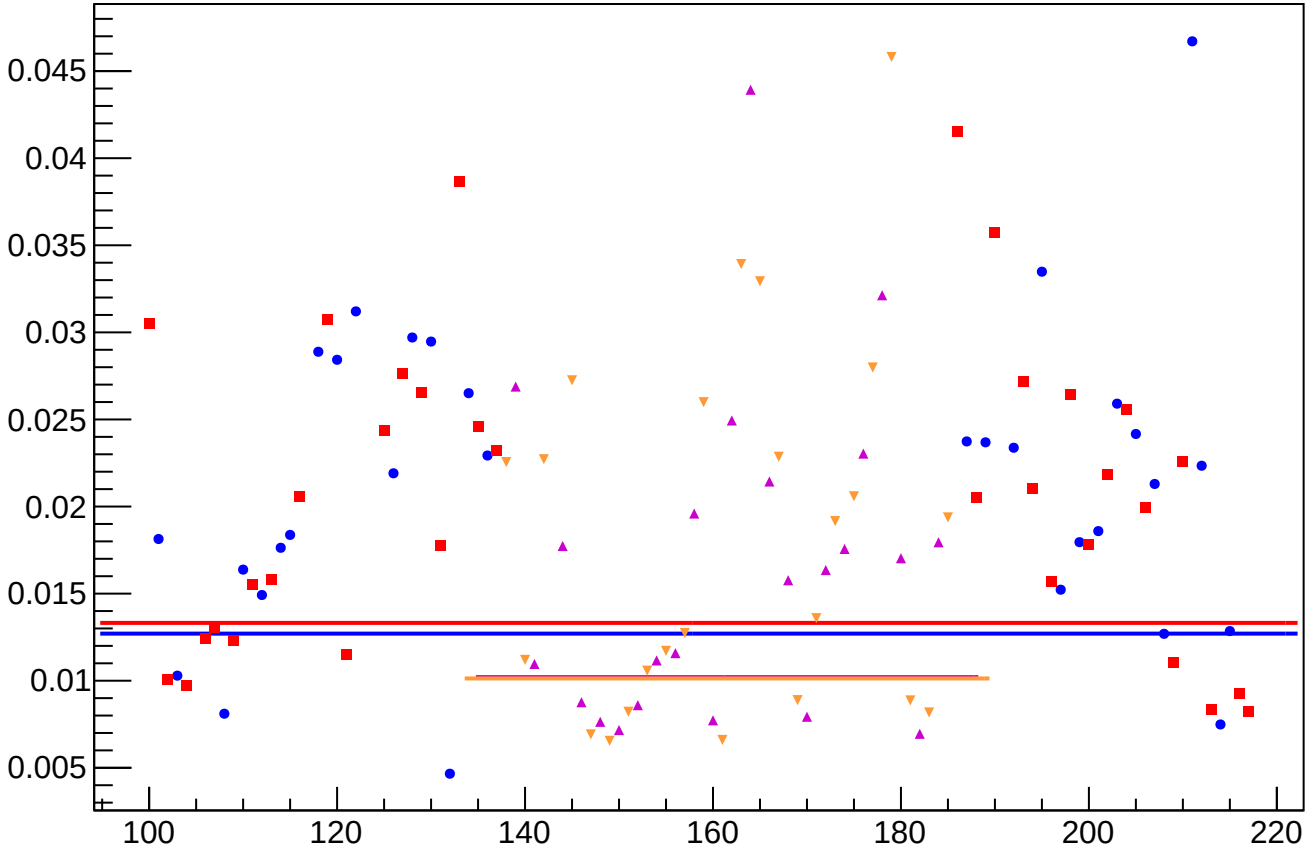
Right: 0.000+/-0.000 χ^2/NDF: 63.0/64

In: 0.000+/-0.000 χ^2/NDF:60.0/53

Out: 0.000+/-0.000 χ^2/NDF:73.8/57

All: 0.000+/-0.000 χ^2/NDF: 135.1/111

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: 0.013+/-0.000 χ^2/NDF: 6781374.6/33

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

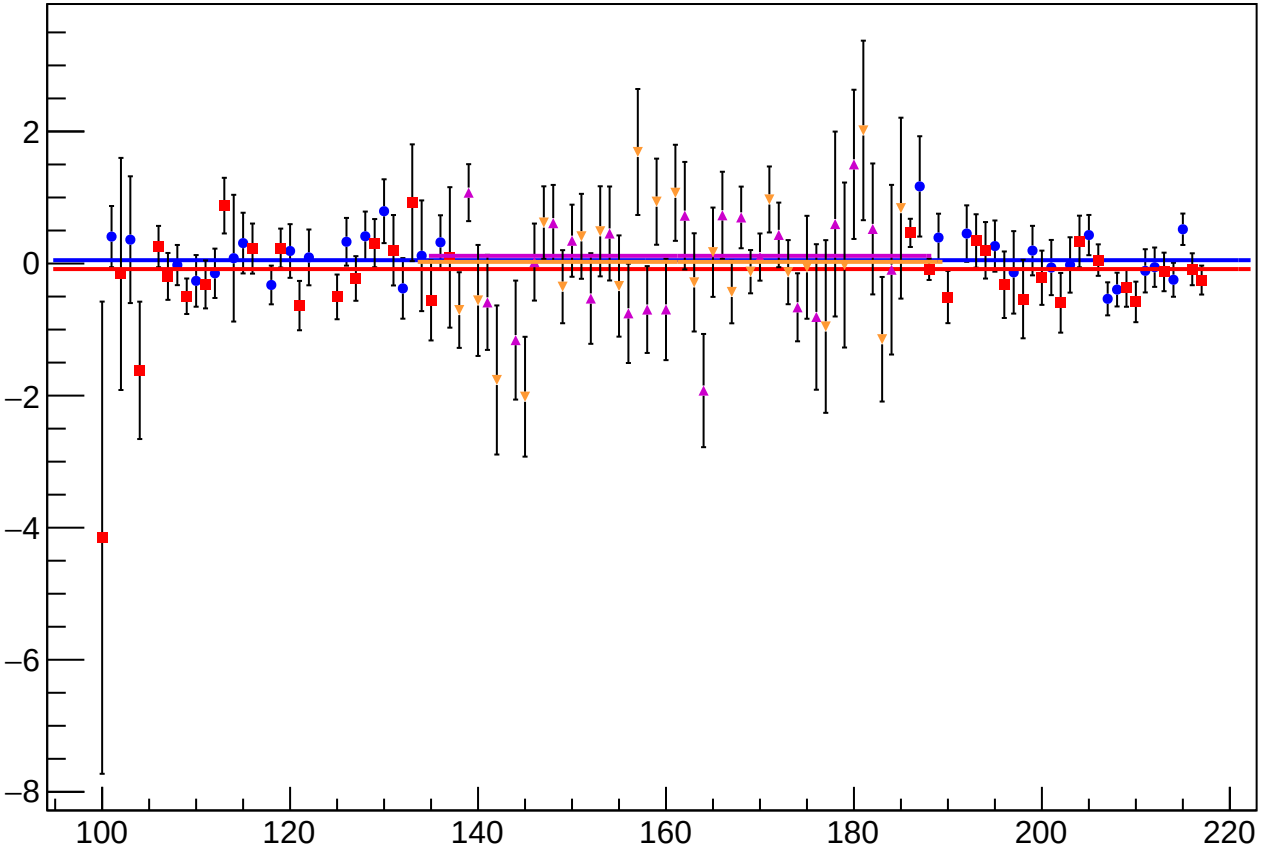
Right: 0.013+/-0.000 χ^2/NDF: 16459605.4/64

In: 0.011+/-0.000 χ^2/NDF:16358536.6/53

Out: 0.011+/-0.000 χ^2/NDF:15685746.8/57

All: 0.011+/-0.000 χ^2/NDF: 32055693.6/111

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: -0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

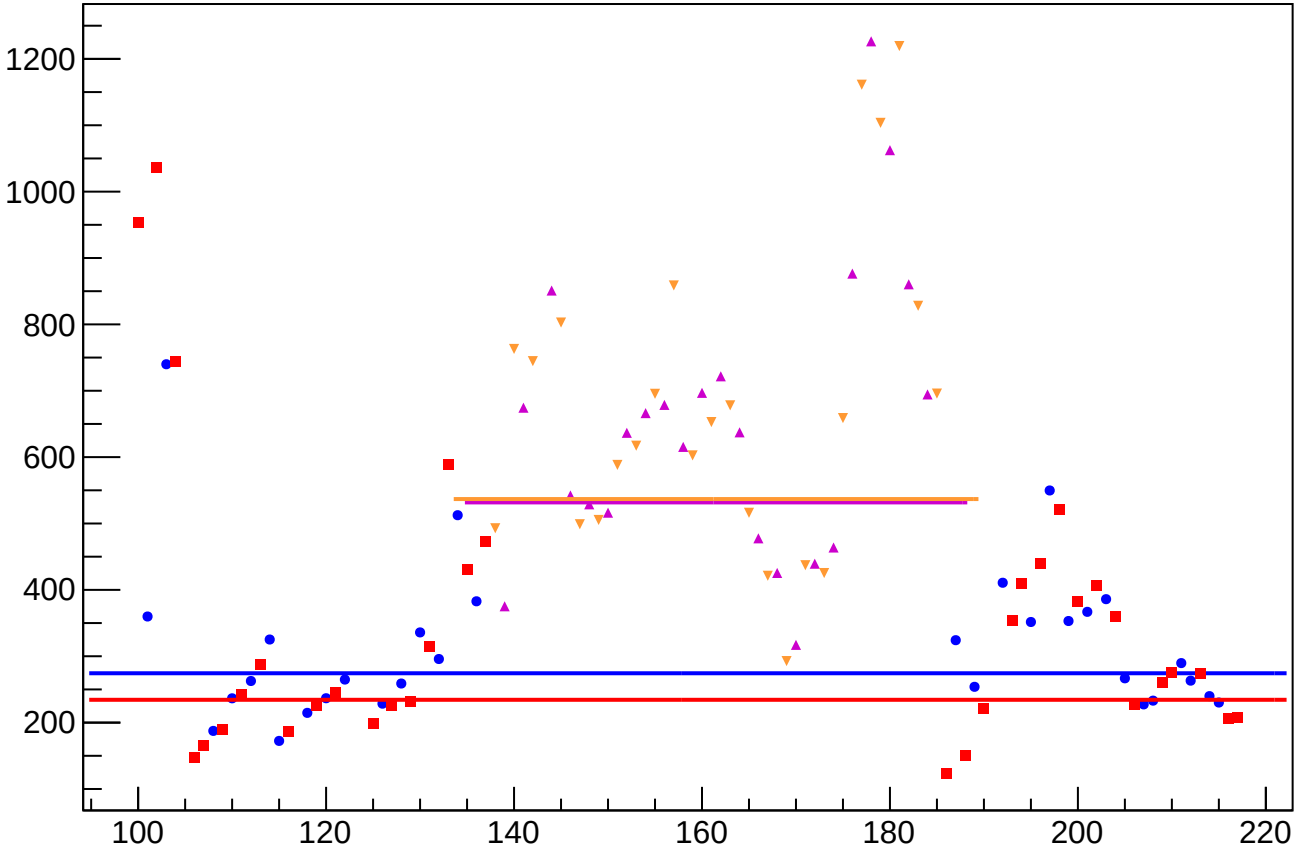
Right: -0.026+/-0.044 χ^2/NDF: 70.5/64

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.067+/-0.053 χ^2/NDF:68.6/57

All: -0.008+/-0.040 χ^2/NDF: 128.5/111

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: 234.379+/-0.041 χ^2/NDF: 5332368.7/33

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

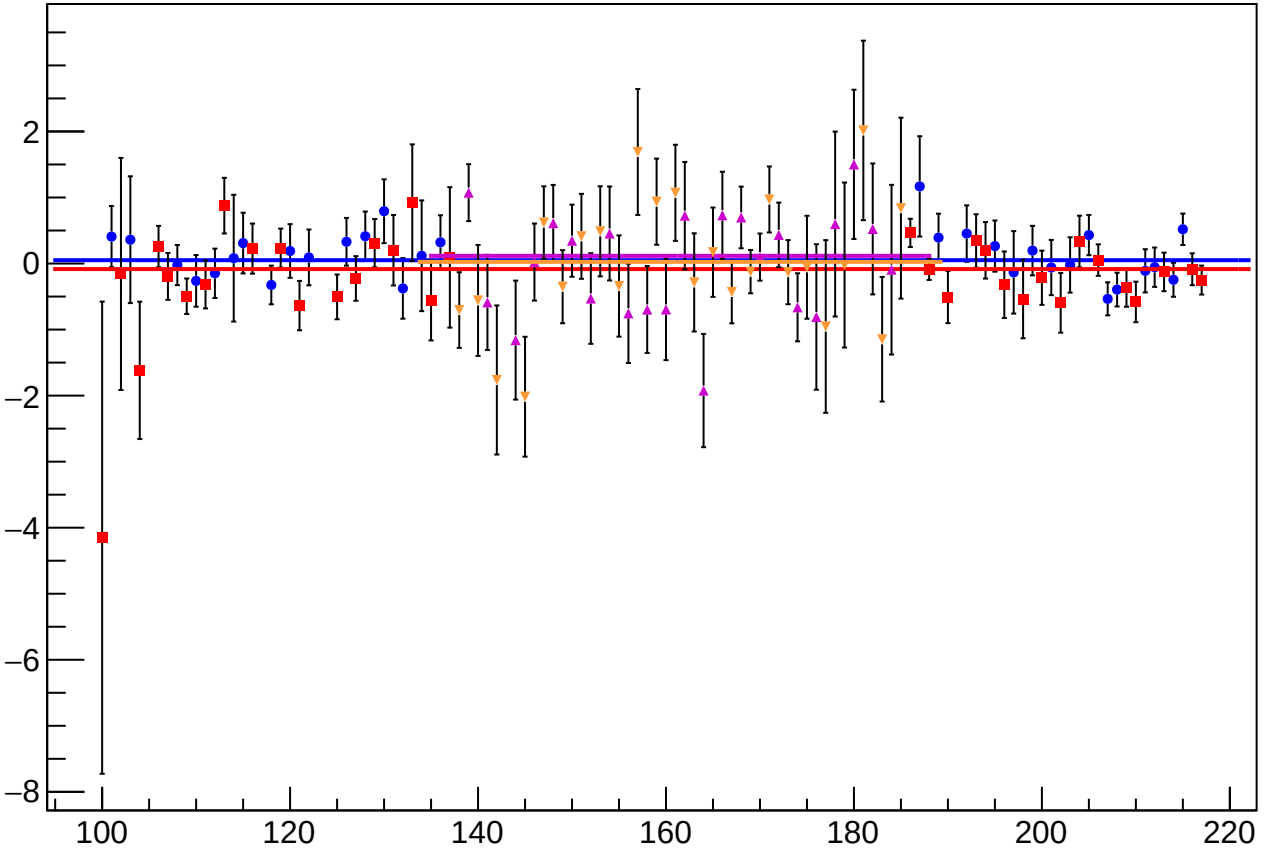
Right: 251.727+/-0.031 χ^2/NDF: 8297671.1/64

In: 325.733+/-0.042 χ^2/NDF:11978076.9/53

Out: 281.986+/-0.038 χ^2/NDF:17884157.7/57

All: 301.521+/-0.028 χ^2/NDF: 30467194.3/11

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: -0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

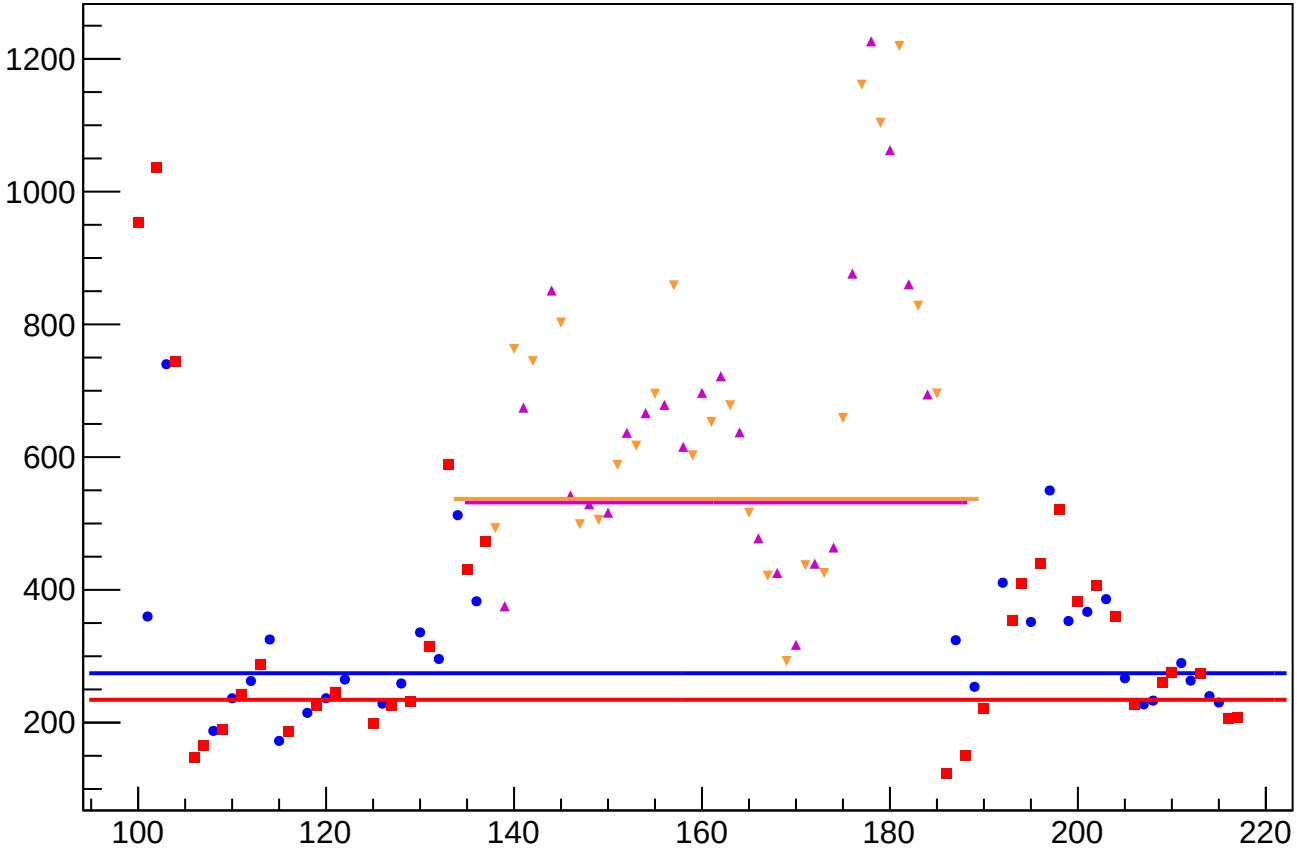
Right: -0.026+/-0.044 χ^2/NDF: 70.5/64

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.067+/-0.053 χ^2/NDF:68.6/57

All: -0.008+/-0.040 χ^2/NDF: 128.5/111

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: 234.379+/-0.041 χ^2/NDF: 5332368.7/33

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

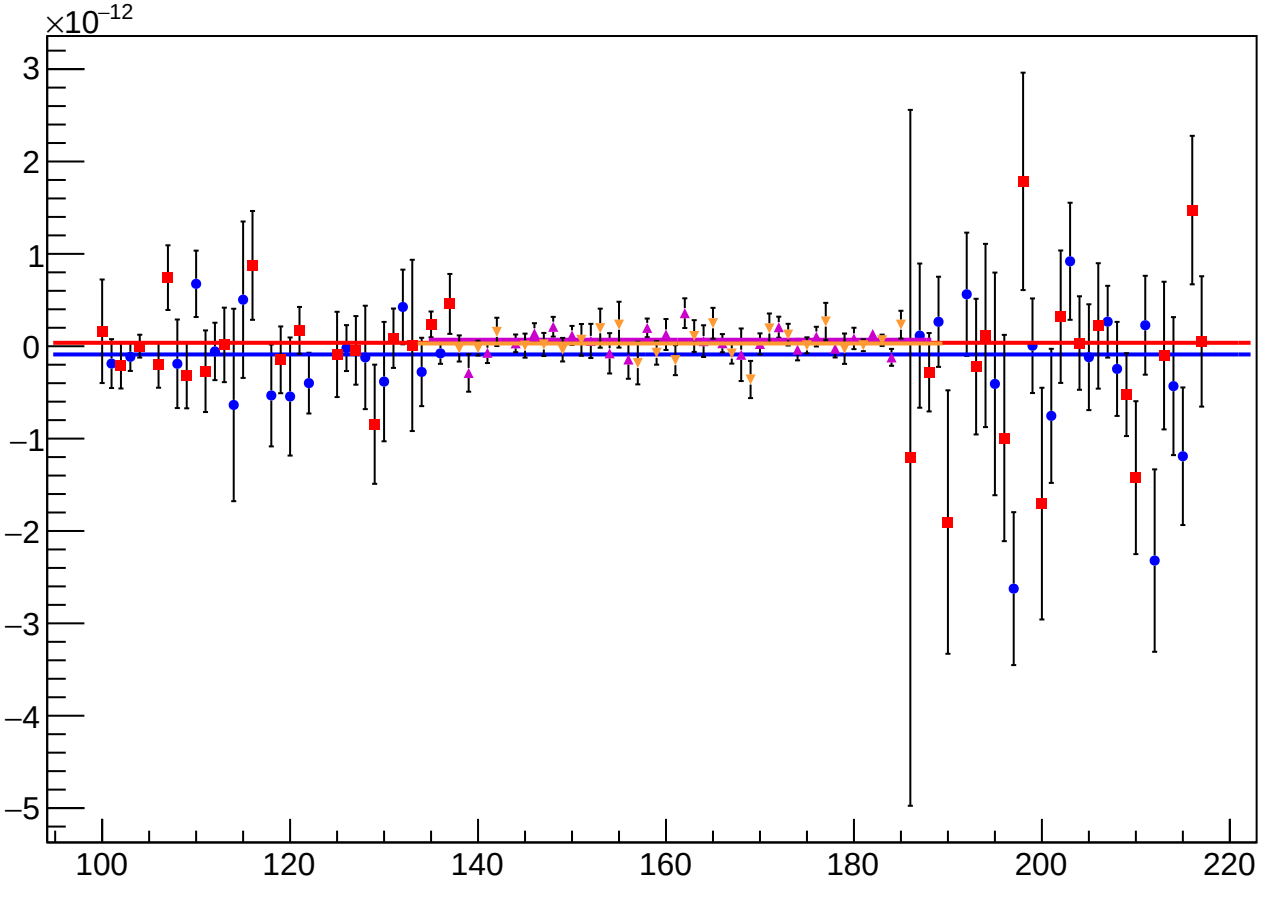
Right: 251.727+/-0.031 χ^2/NDF: 8297671.1/64

In: 325.733+/-0.042 χ^2/NDF:11978076.9/53

Out: 281.986+/-0.038 χ^2/NDF:17884157.7/57

All: 301.521+/-0.028 χ^2/NDF: 30467194.3/11

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/33

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

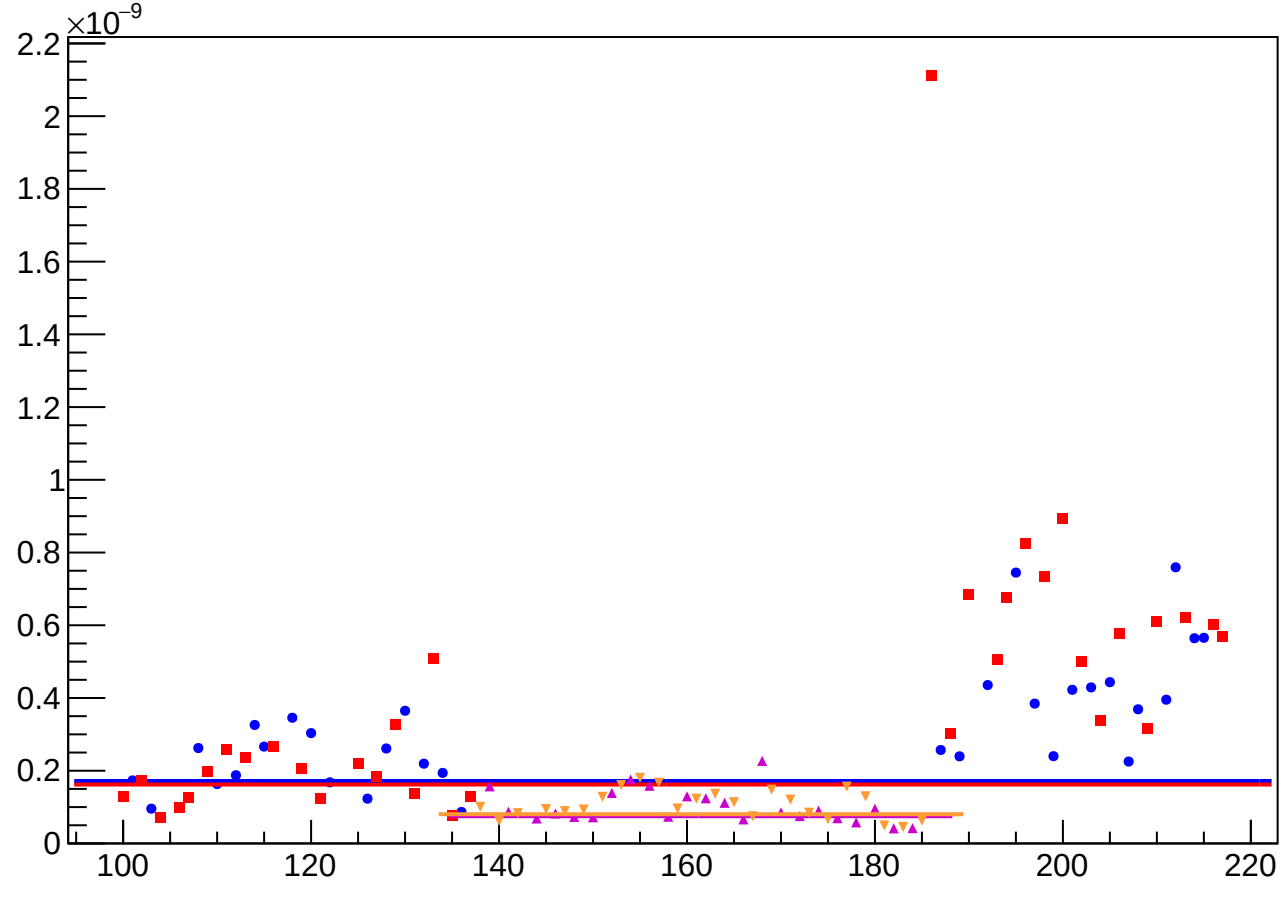
Right: -0.000+/-0.000 χ^2/NDF: 66.6/64

In: 0.000+/-0.000 χ^2/NDF:61.9/53

Out: 0.000+/-0.000 χ^2/NDF:49.4/57

All: 0.000+/-0.000 χ^2/NDF: 111.7/111

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: 10811516.1/33

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

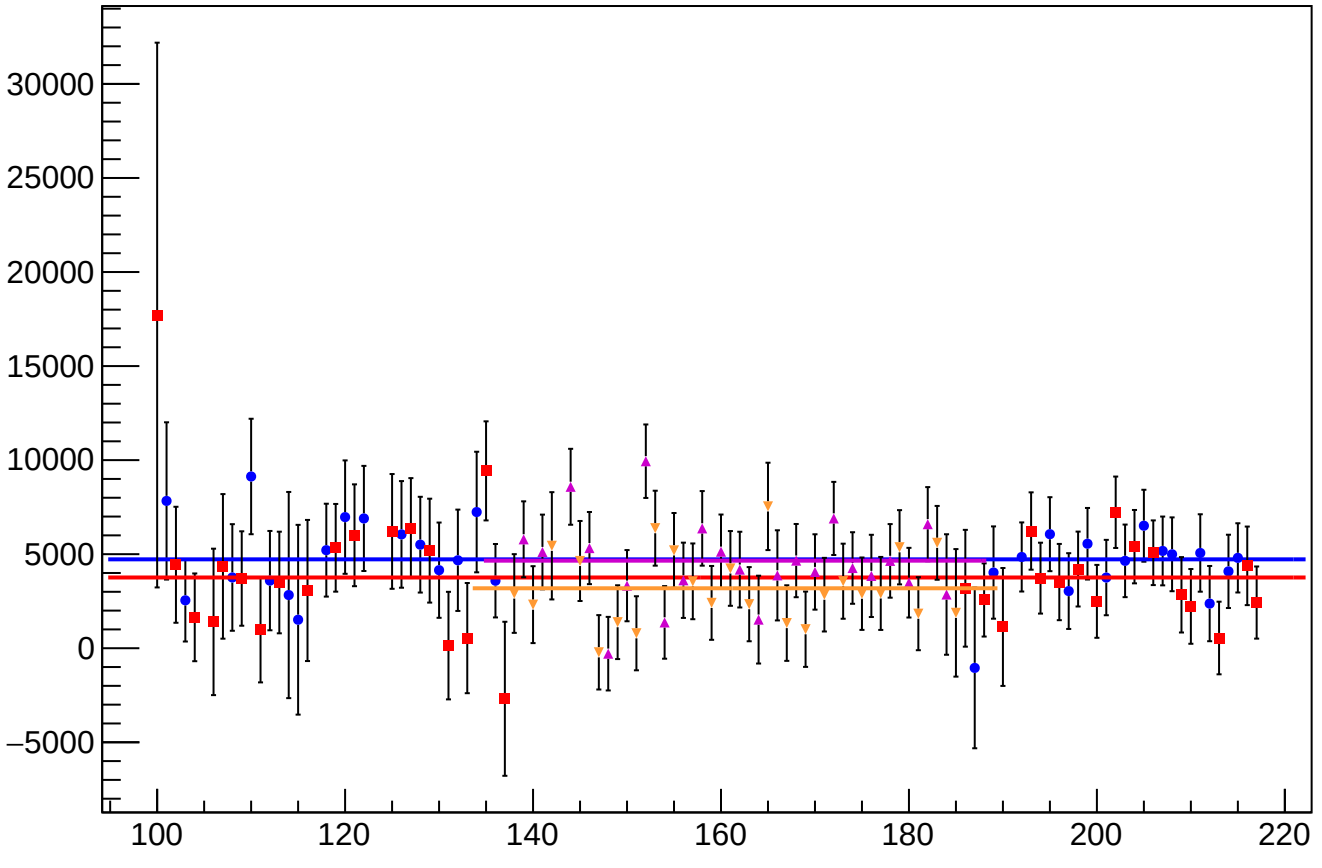
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 17755963.2/64

In: 0.000+/-0.000 χ^2/NDF:14719533.7/53

Out: 0.000+/-0.000 χ^2/NDF:17653647.5/57

All: 0.000+/-0.000 χ^2/NDF: 32431306.0/111



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: 3760.592+/-409.395 χ^2/NDF: 28.0/33

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

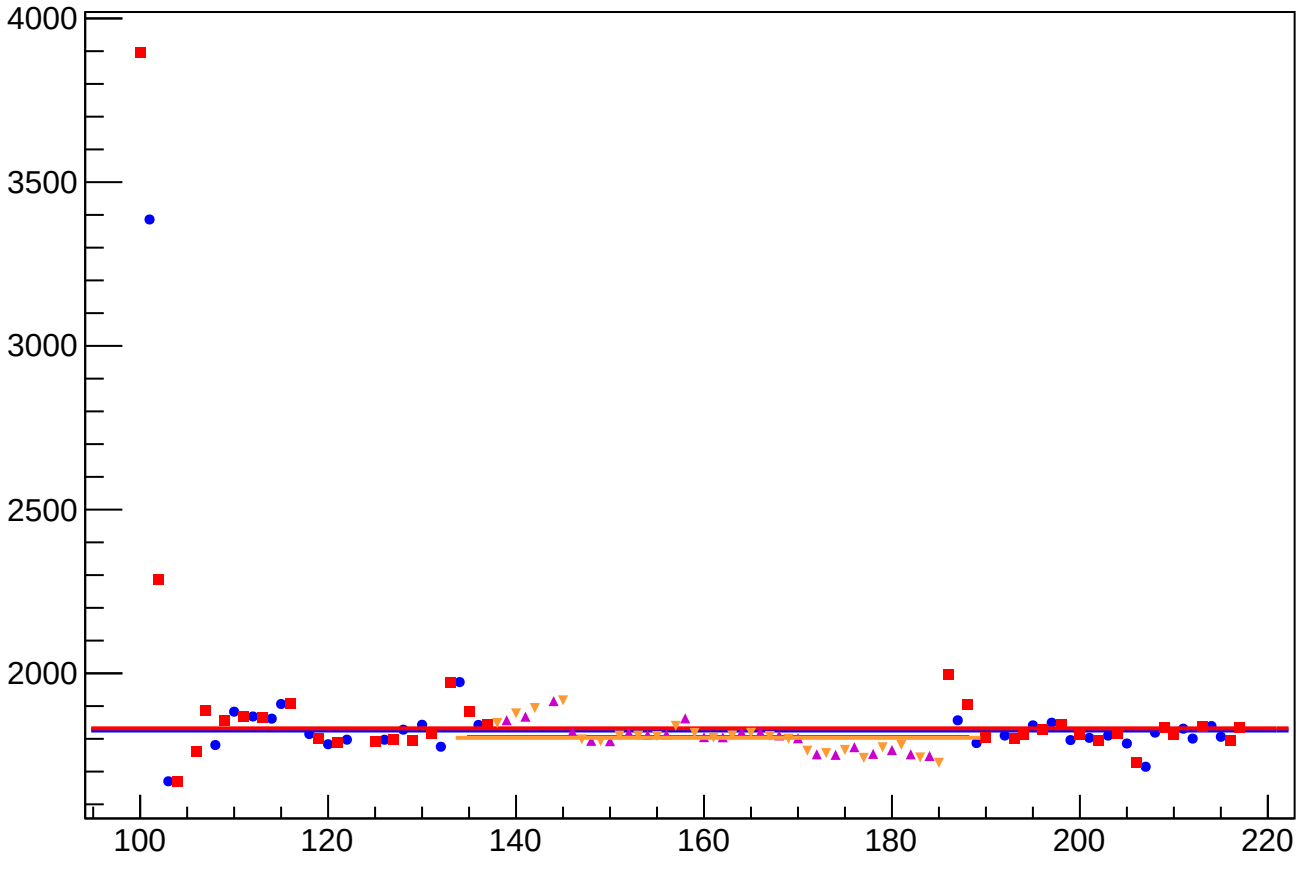
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4233.672+/-292.264 χ^2/NDF: 43.7/64

In: 4690.644+/-296.641 χ^2/NDF:40.6/53

Out: 3480.246+/-292.693 χ^2/NDF:48.8/57

All: 4077.337+/-208.347 χ^2/NDF: 97.9/111



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: 1832.012+/-0.289 χ^2/NDF: 122213.2/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

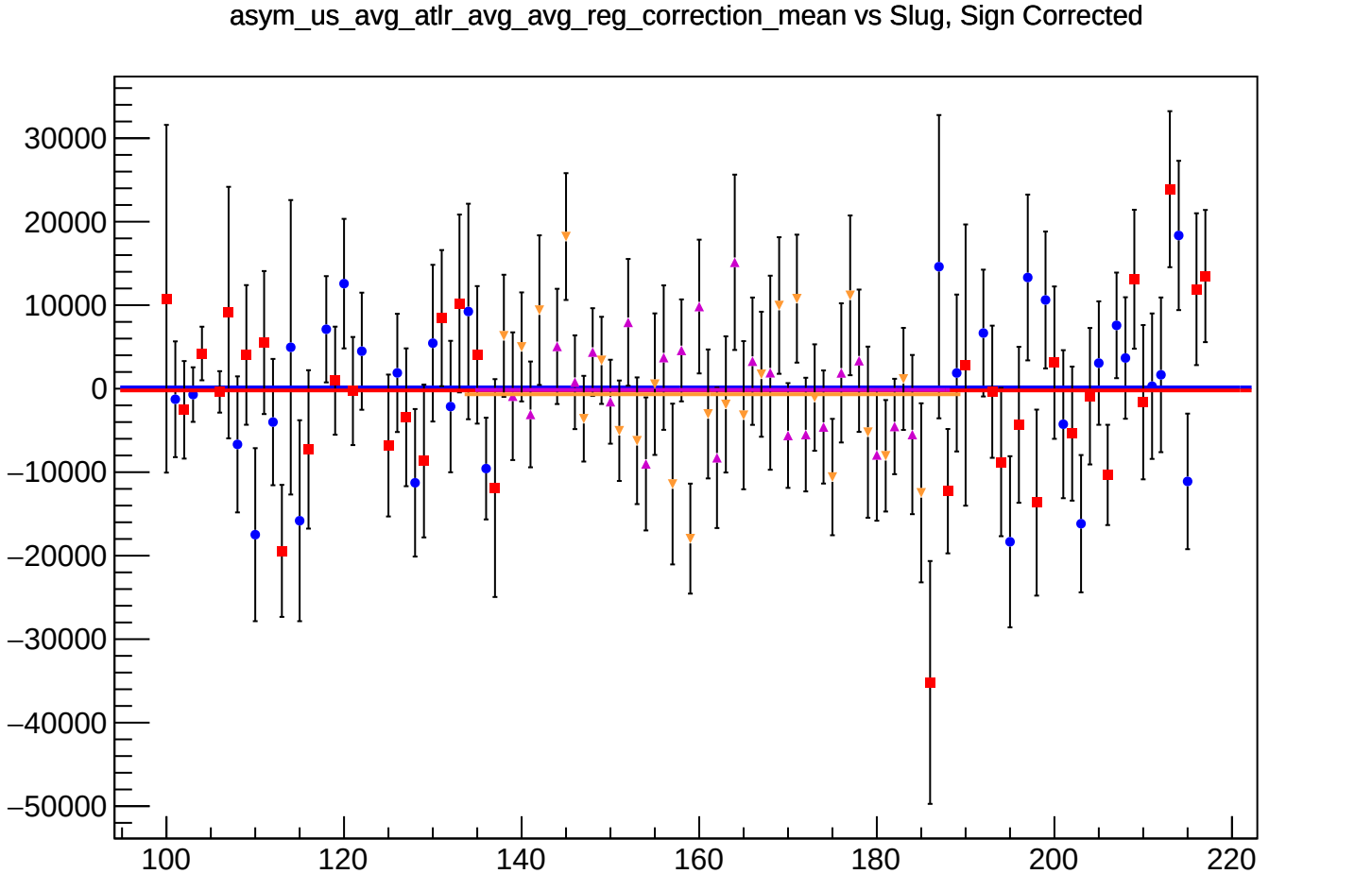
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1828.794+/-0.207 χ^2/NDF: 430394.8/64

In: 1815.604+/-0.210 χ^2/NDF:329490.1/53

Out: 1817.900+/-0.207 χ^2/NDF:147730.5/57

All: 1816.768+/-0.147 χ^2/NDF: 477281.5/111



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: -206.402+/-1200.723 χ^2/NDF: 43.1/33

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

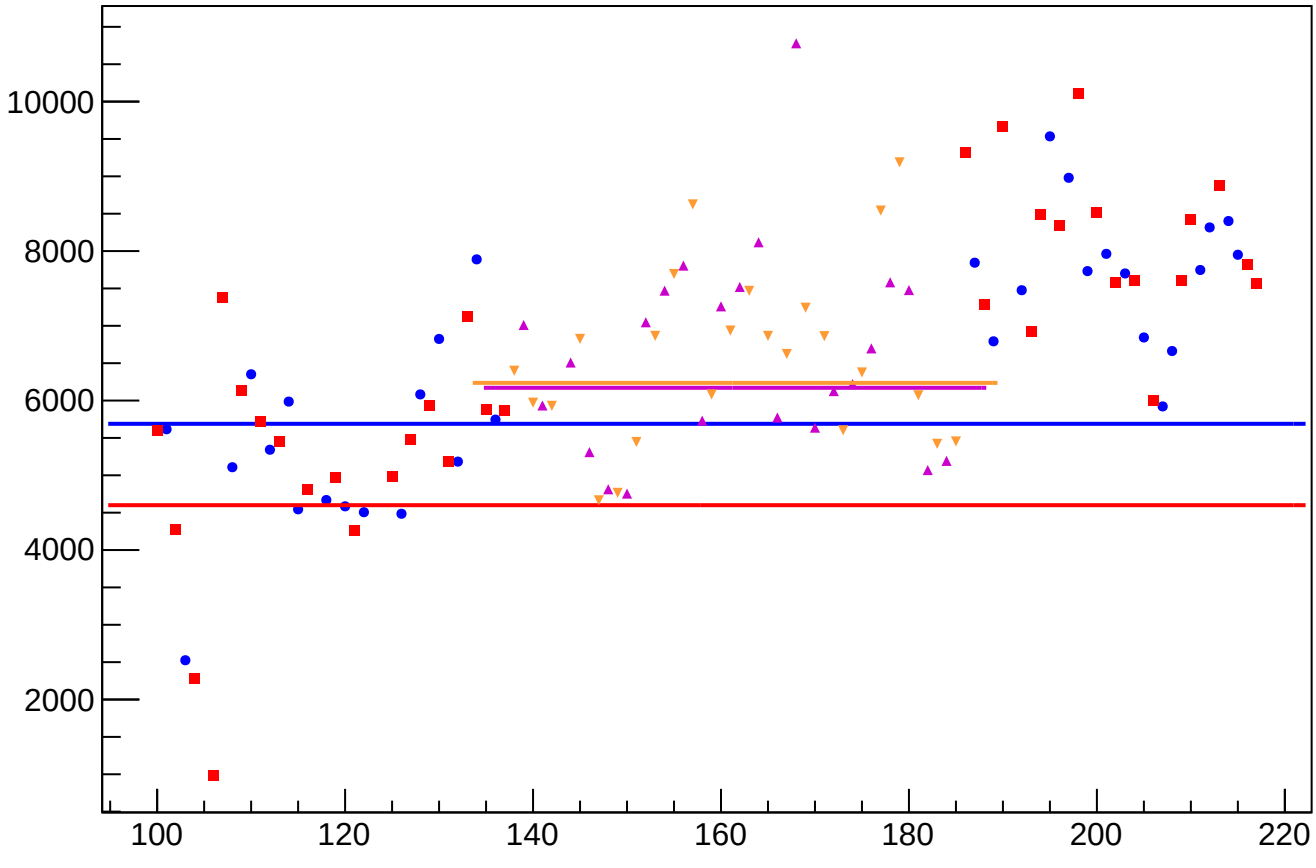
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

Right: -50.558+/-904.101 χ^2/NDF: 78.4/64

In: 15.182+/-1004.180 χ^2/NDF:48.9/53

Out: -389.507+/-932.145 χ^2/NDF:73.0/57

All: -202.197+/-683.174 χ^2/NDF: 121.9/111



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: 4600.210+/-0.849 χ^2/NDF: 10368256.4/33

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

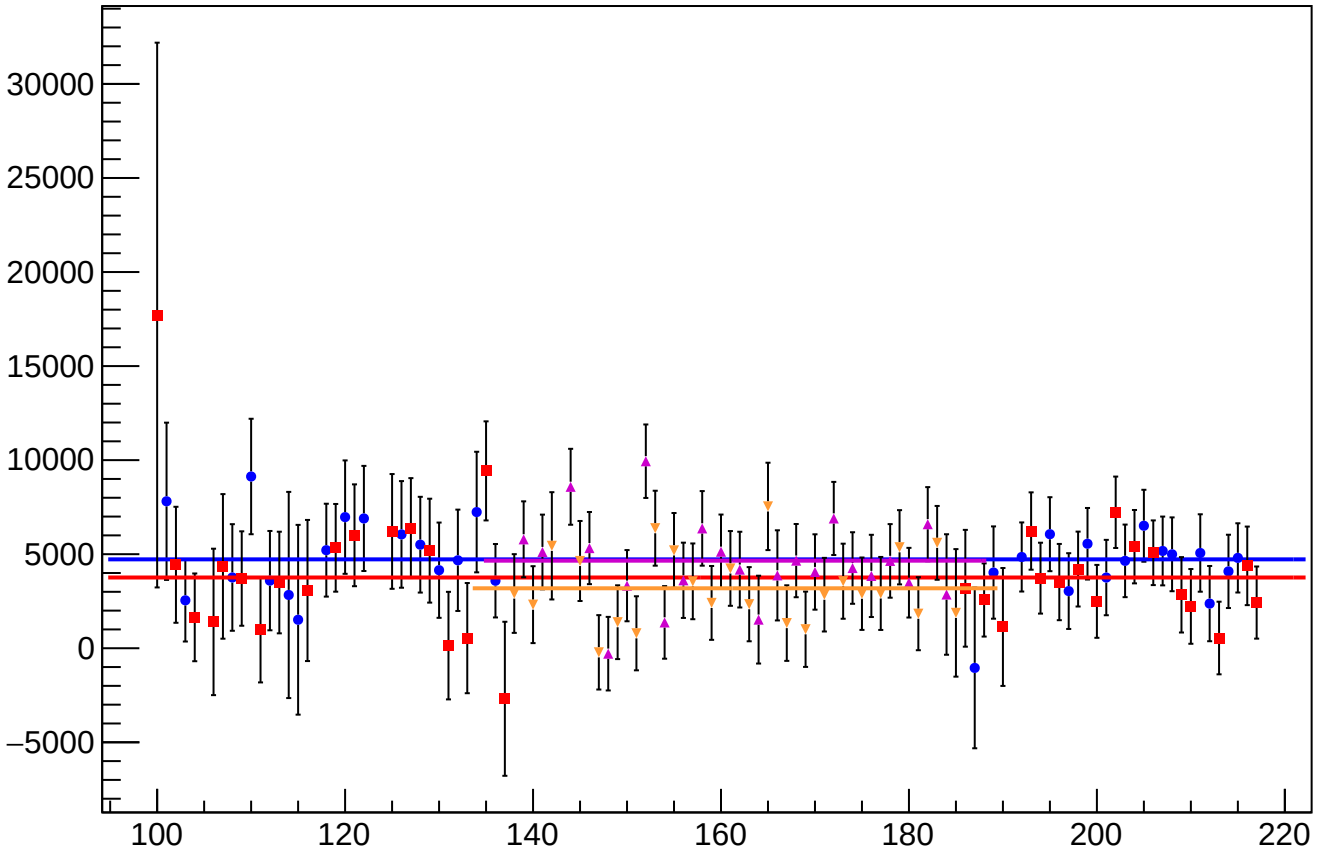
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 5071.690+/-0.639 χ^2/NDF: 15045406.4/64

In: 5913.388+/-0.710 χ^2/NDF:5317184.6/53

Out: 5250.407+/-0.659 χ^2/NDF:12911915.9/57

All: 5557.268+/-0.483 χ^2/NDF: 18697380.6/



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: 3760.522+/-409.395 χ^2/NDF: 28.0/33

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

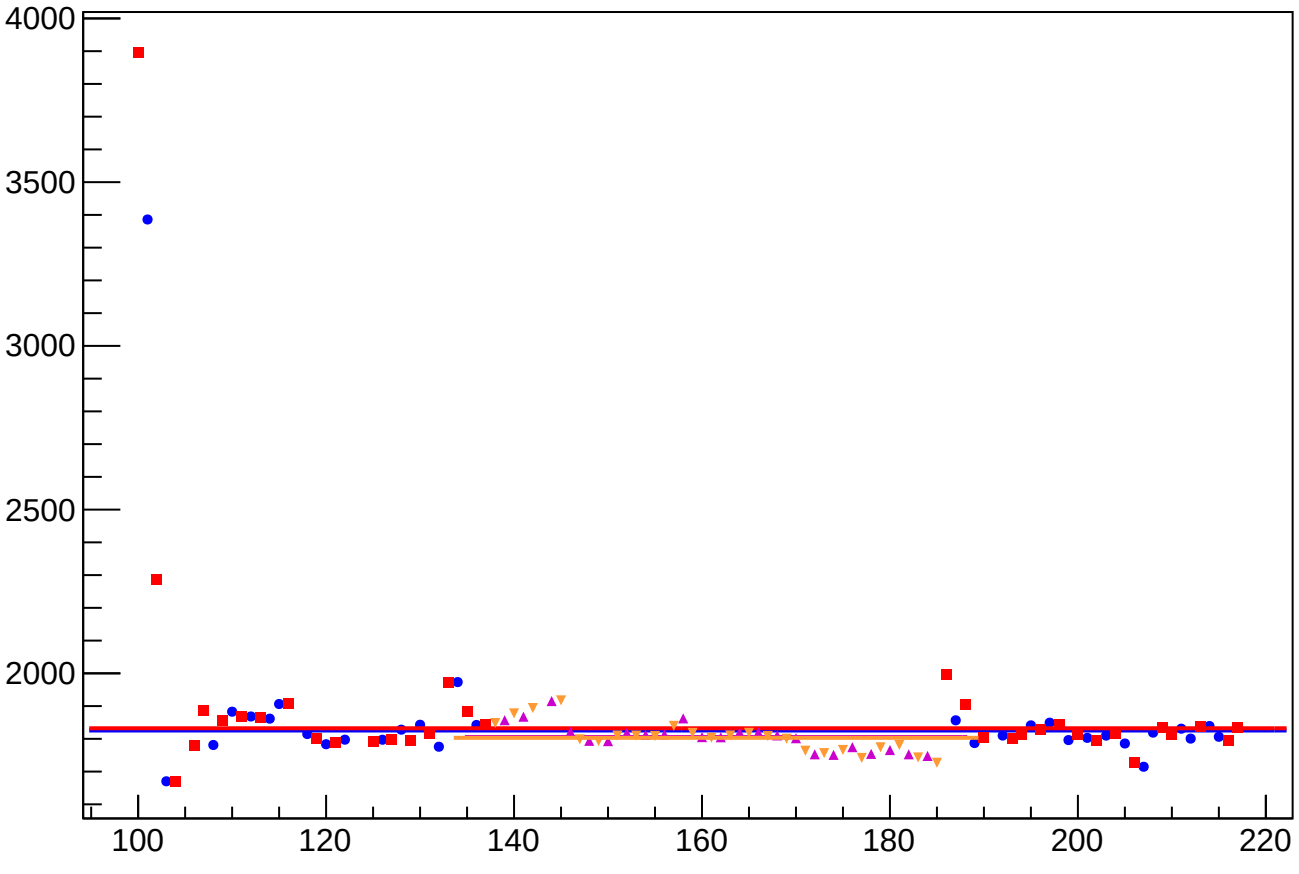
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4233.546+/-292.264 χ^2/NDF: 43.7/64

In: 4690.560+/-296.641 χ^2/NDF:40.6/53

Out: 3480.176+/-292.693 χ^2/NDF:48.8/57

All: 4077.260+/-208.347 χ^2/NDF: 97.9/111



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: 1832.252+/-0.289 χ^2/NDF: 121869.1/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

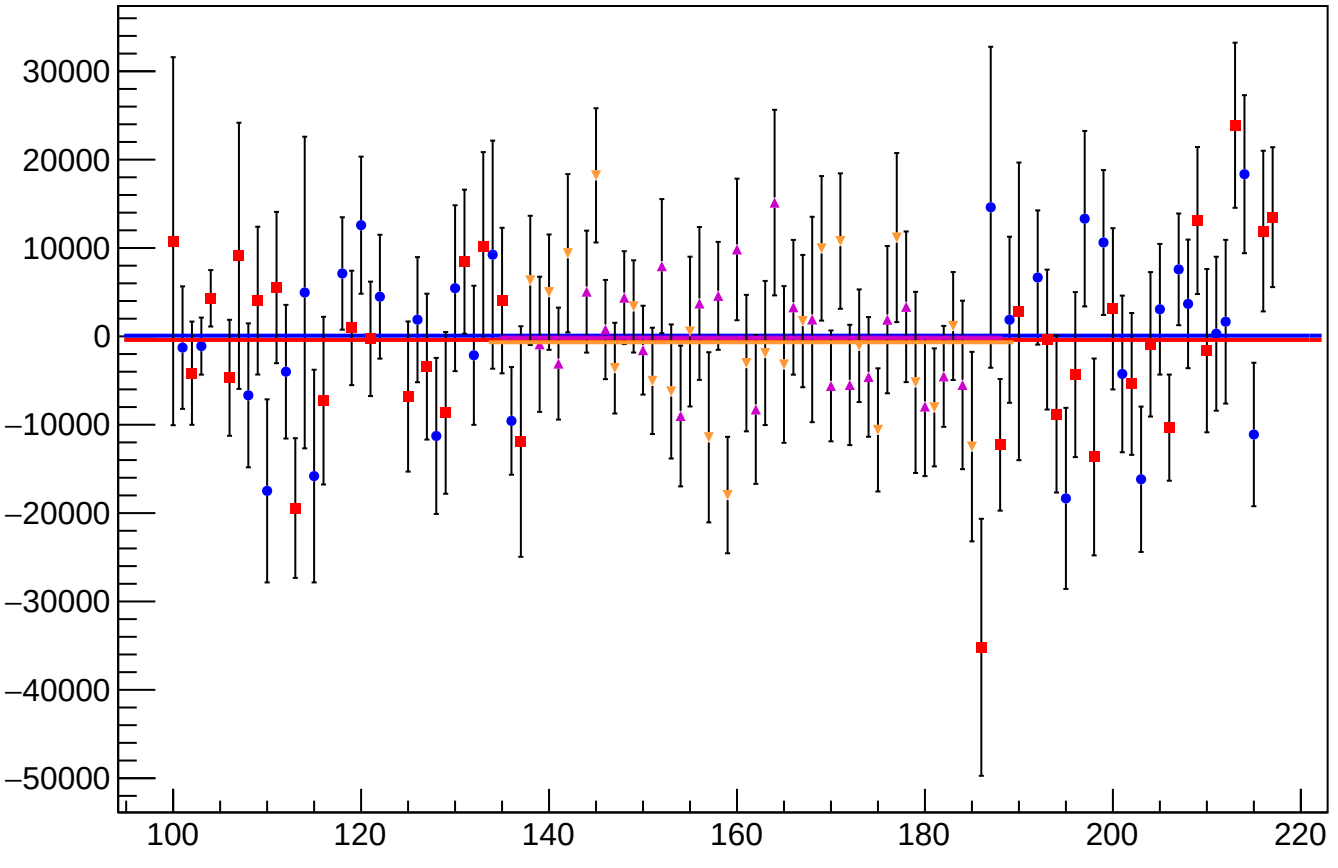
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1828.917+/-0.207 χ^2/NDF: 430071.4/64

In: 1815.604+/-0.210 χ^2/NDF:329492.0/53

Out: 1818.022+/-0.207 χ^2/NDF:147467.4/57

All: 1816.829+/-0.147 χ^2/NDF: 477026.7/111



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: -403.190+/-1341.844 χ^2/NDF: 44.0/33

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

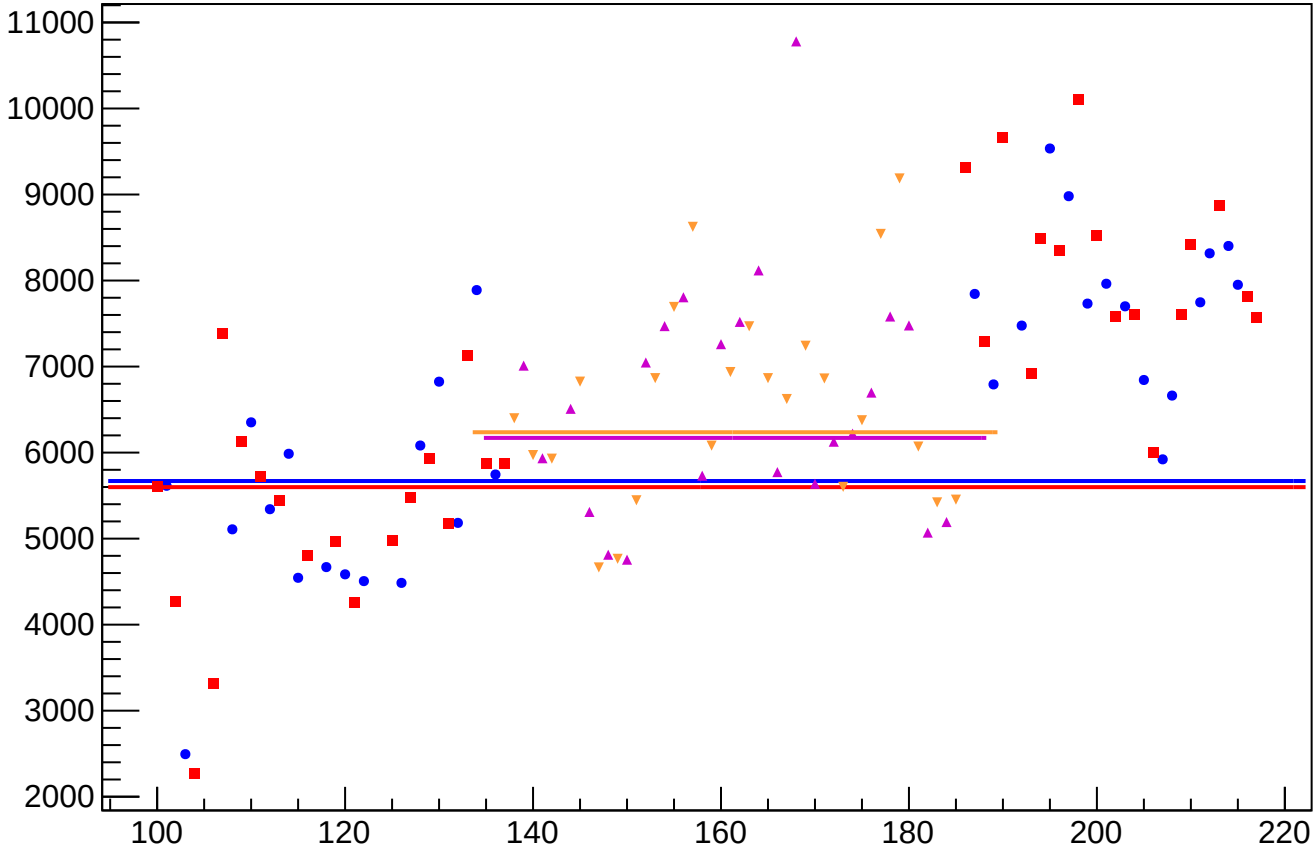
Right: -167.581+/-958.935 χ^2/NDF: 79.4/64

In: -24.686+/-1003.012 χ^2/NDF:48.9/53

Out: -522.427+/-993.726 χ^2/NDF:73.8/57

All: -275.871+/-705.931 χ^2/NDF: 122.8/111

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: 5598.538+/-0.949 χ^2/NDF: 5104456.7/33

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

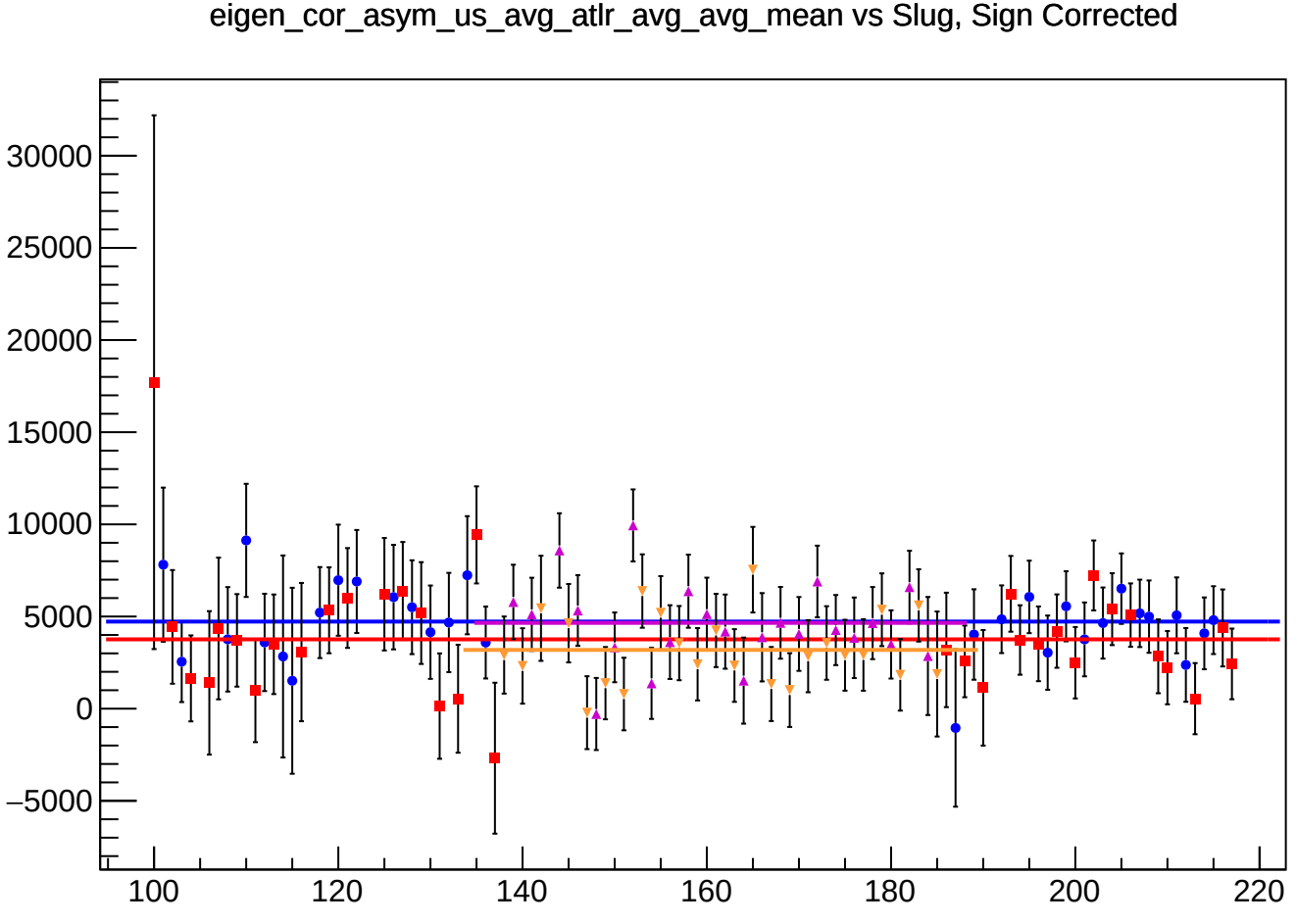
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5633.343+/-0.678 χ^2/NDF: 9155507.5/64

In: 5902.539+/-0.709 χ^2/NDF:5410048.5/53

Out: 5886.677+/-0.703 χ^2/NDF:6376349.8/57

All: 5894.534+/-0.499 χ^2/NDF: 11786650.7/1



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: 3760.522+/-409.395 χ^2/NDF: 28.0/33

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

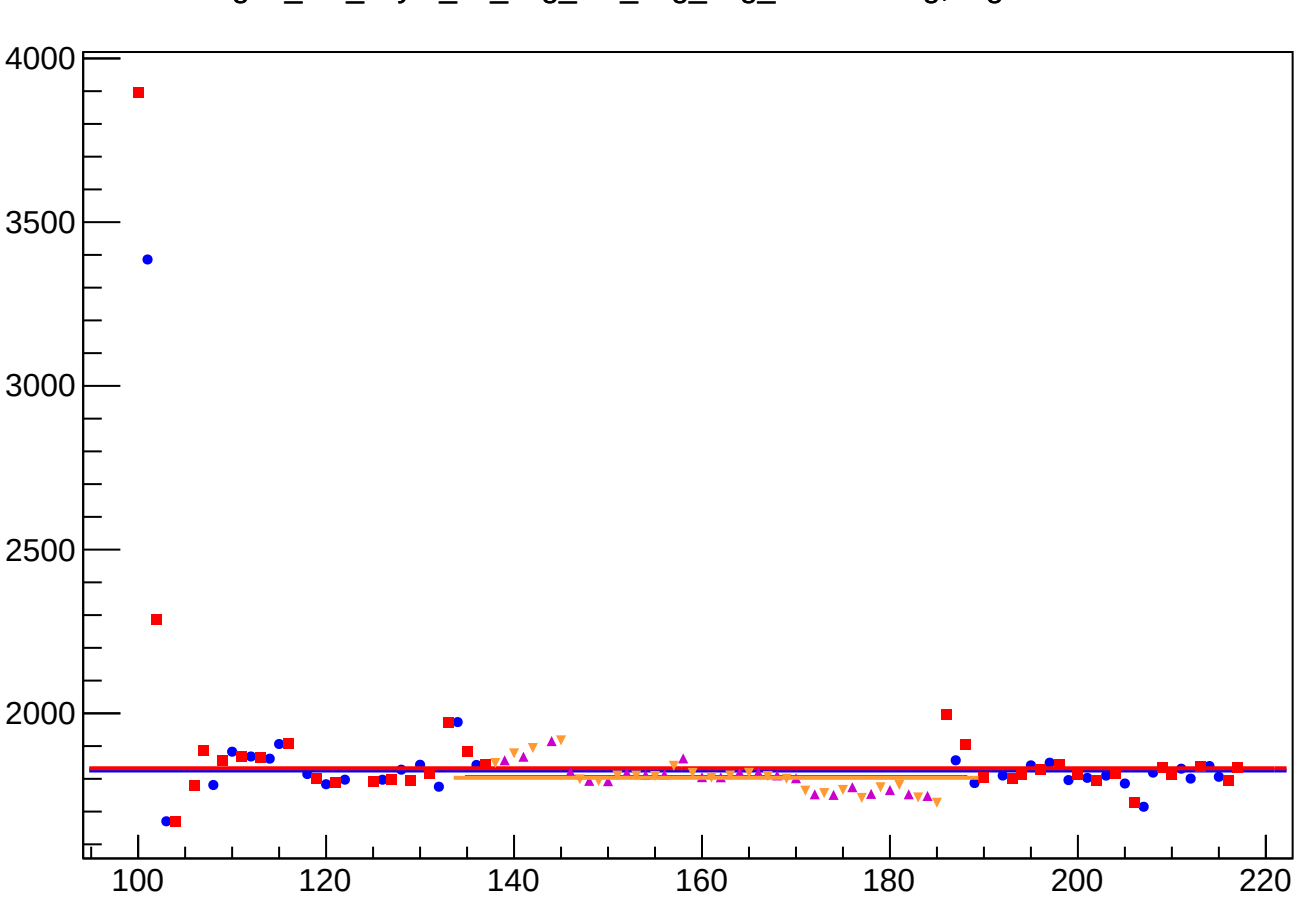
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4233.546+/-292.264 χ^2/NDF: 43.7/64

In: 4690.560+/-296.641 χ^2/NDF:40.6/53

Out: 3480.176+/-292.693 χ^2/NDF:48.8/57

All: 4077.260+/-208.347 χ^2/NDF: 97.9/111



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: 1832.252+/-0.289 χ^2/NDF: 121869.1/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

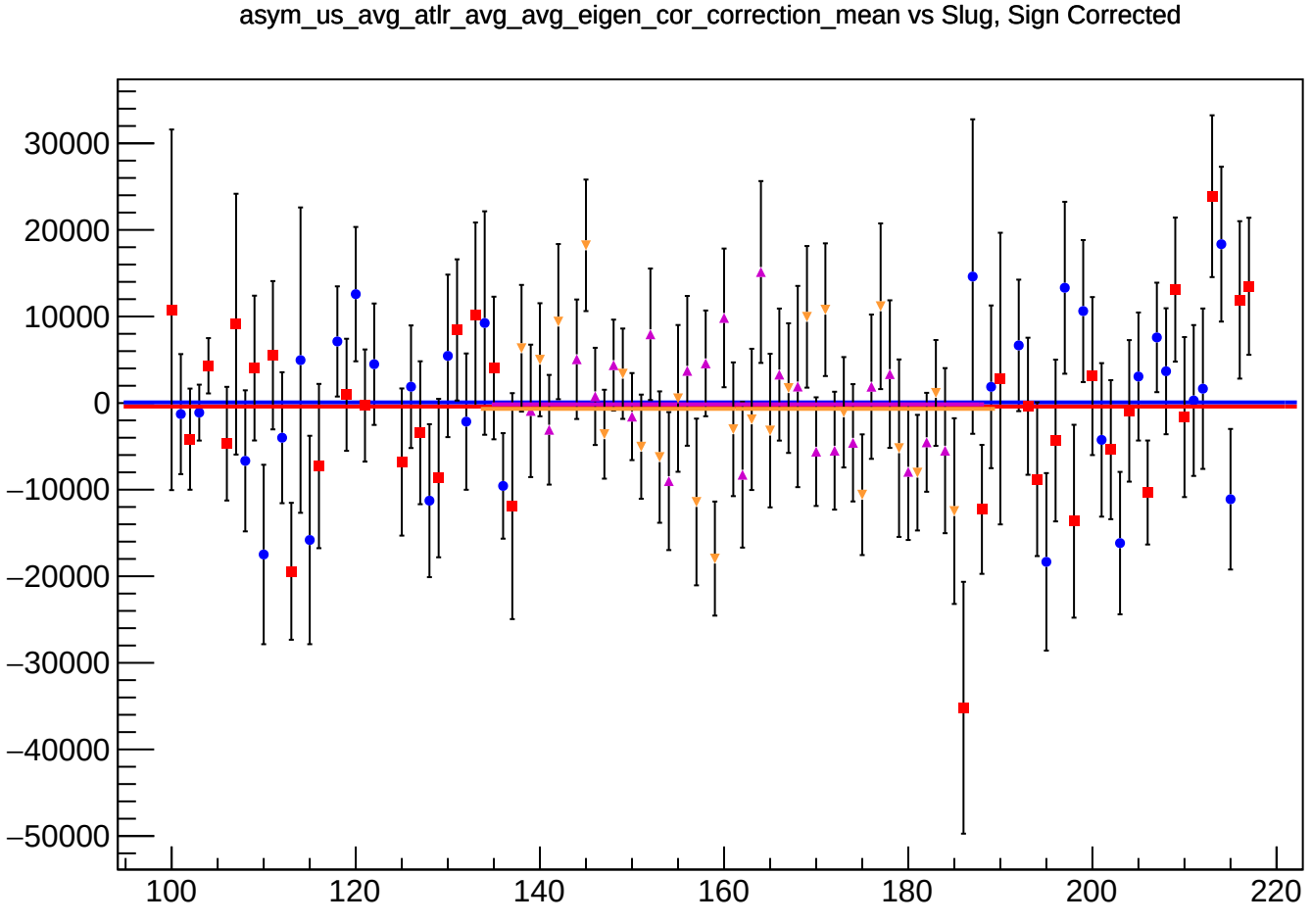
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1828.917+/-0.207 χ^2/NDF: 430071.4/64

In: 1815.604+/-0.210 χ^2/NDF:329492.0/53

Out: 1818.022+/-0.207 χ^2/NDF:147467.4/57

All: 1816.829+/-0.147 χ^2/NDF: 477026.7/111



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: -403.190+/-1341.844 χ^2/NDF: 44.0/33

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

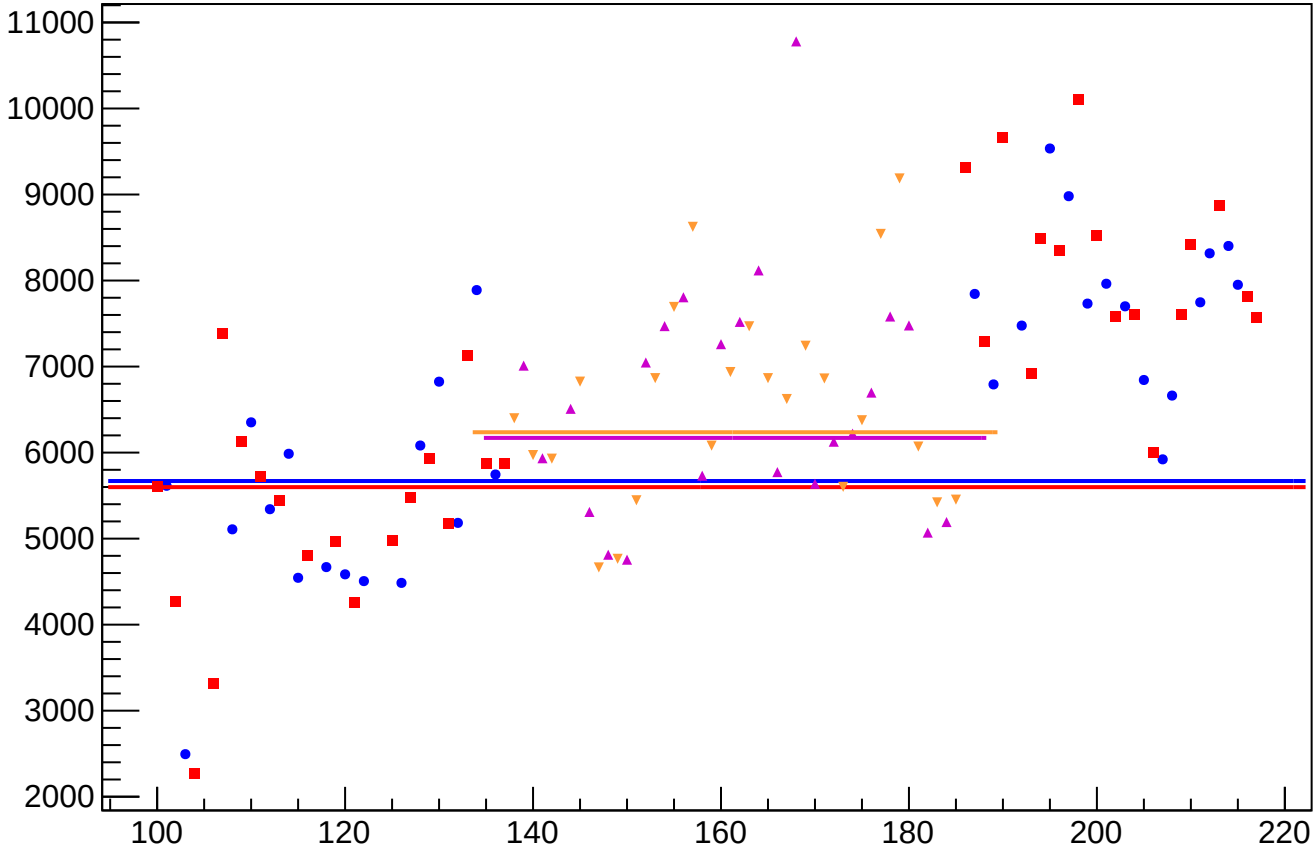
Right: -167.581+/-958.935 χ^2/NDF: 79.4/64

In: -24.686+/-1003.012 χ^2/NDF:48.9/53

Out: -522.427+/-993.726 χ^2/NDF:73.8/57

All: -275.871+/-705.931 χ^2/NDF: 122.8/111

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: 5598.538+/-0.949 χ^2/NDF: 5104456.7/33

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

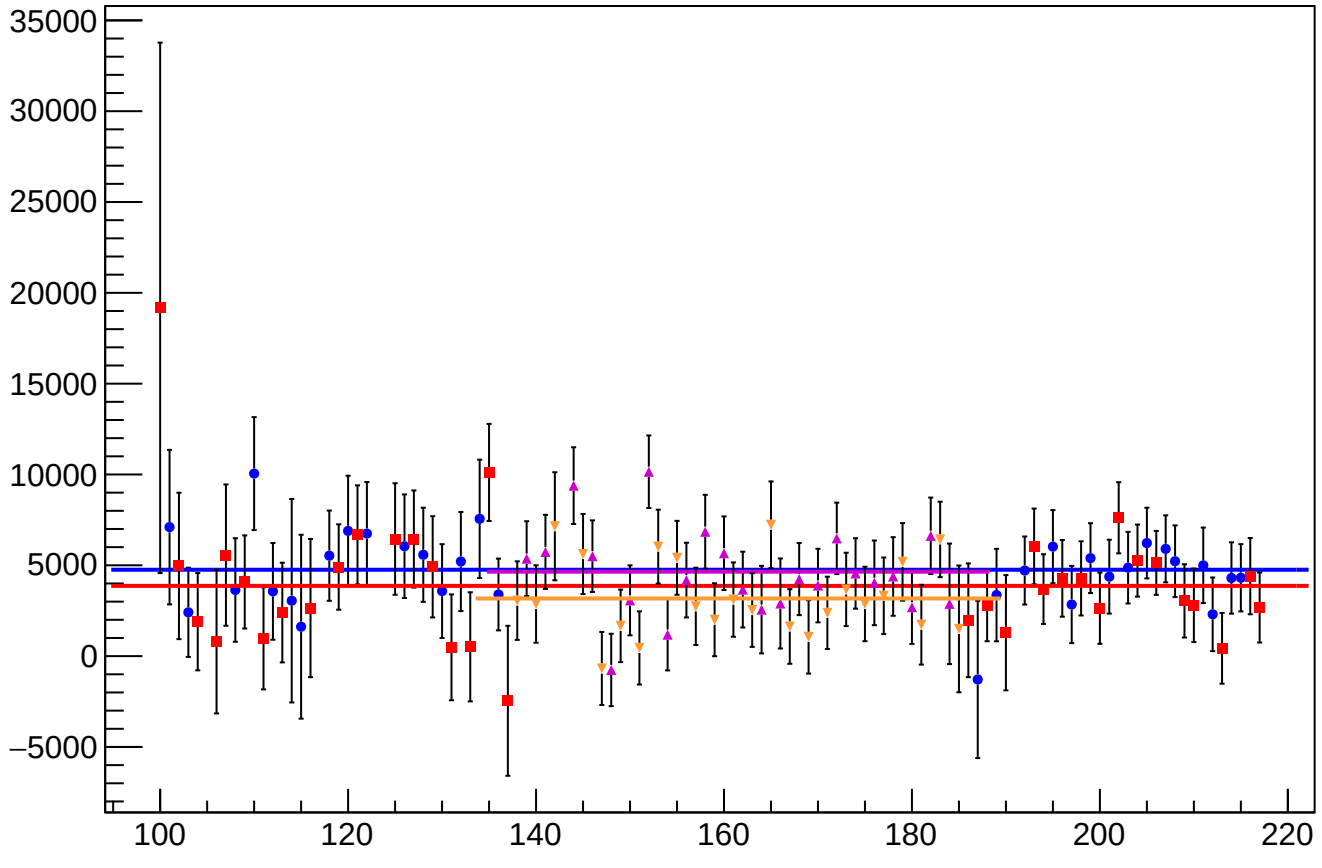
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5633.343+/-0.678 χ^2/NDF: 9155507.5/64

In: 5902.539+/-0.709 χ^2/NDF:5410048.5/53

Out: 5886.677+/-0.703 χ^2/NDF:6376349.8/57

All: 5894.534+/-0.499 χ^2/NDF: 11786650.7/1



Right In: 4756.269+/-425.133 χ^2/NDF: 14.0/30

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3867.024+/-418.427 χ^2/NDF: 29.0/33

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

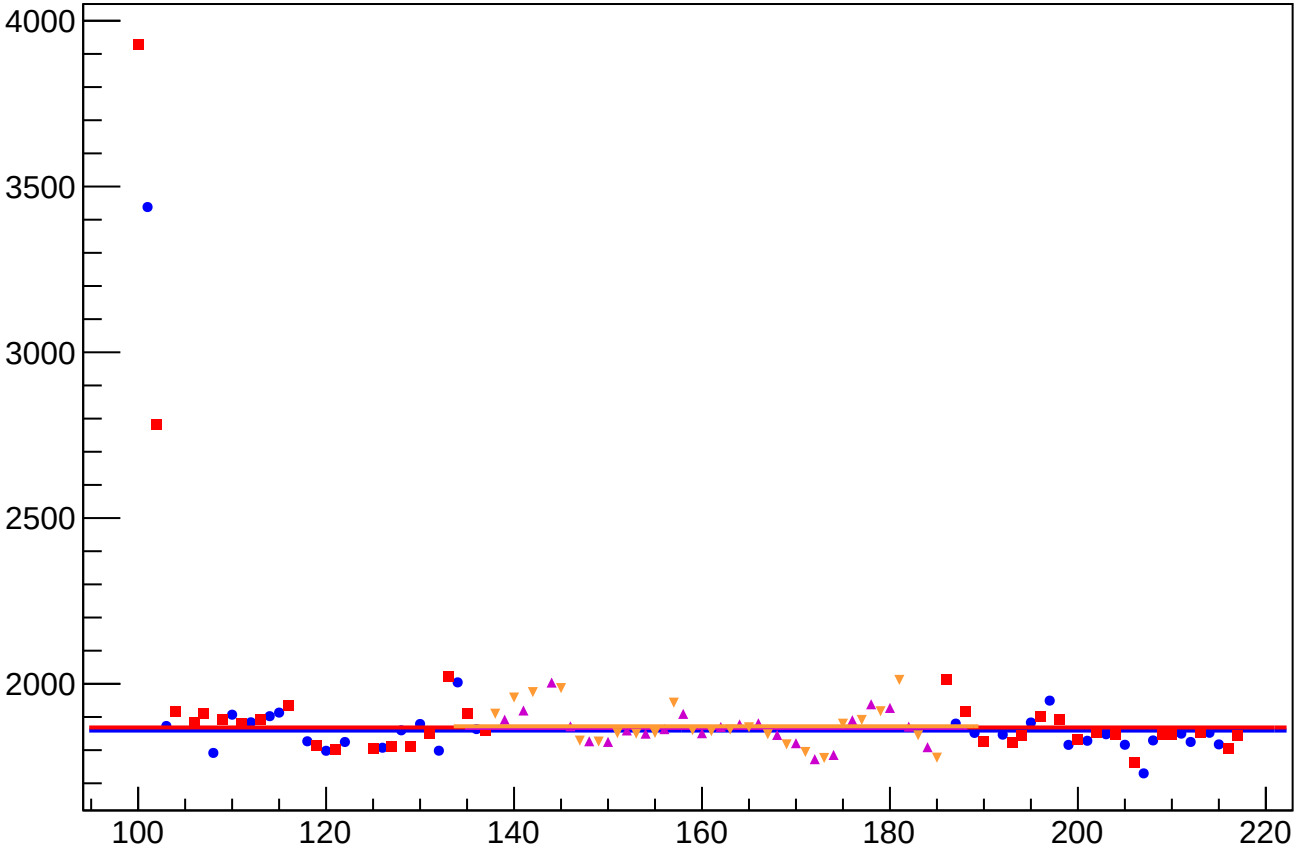
Right: 4304.578+/-298.216 χ^2/NDF: 45.2/64

In: 4704.724+/-304.451 χ^2/NDF:44.6/53

Out: 3534.082+/-301.500 χ^2/NDF:51.9/57

All: 4113.701+/-214.228 χ^2/NDF: 103.9/111

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



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: 1868.403+/-0.296 χ^2/NDF: 173629.1/33

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

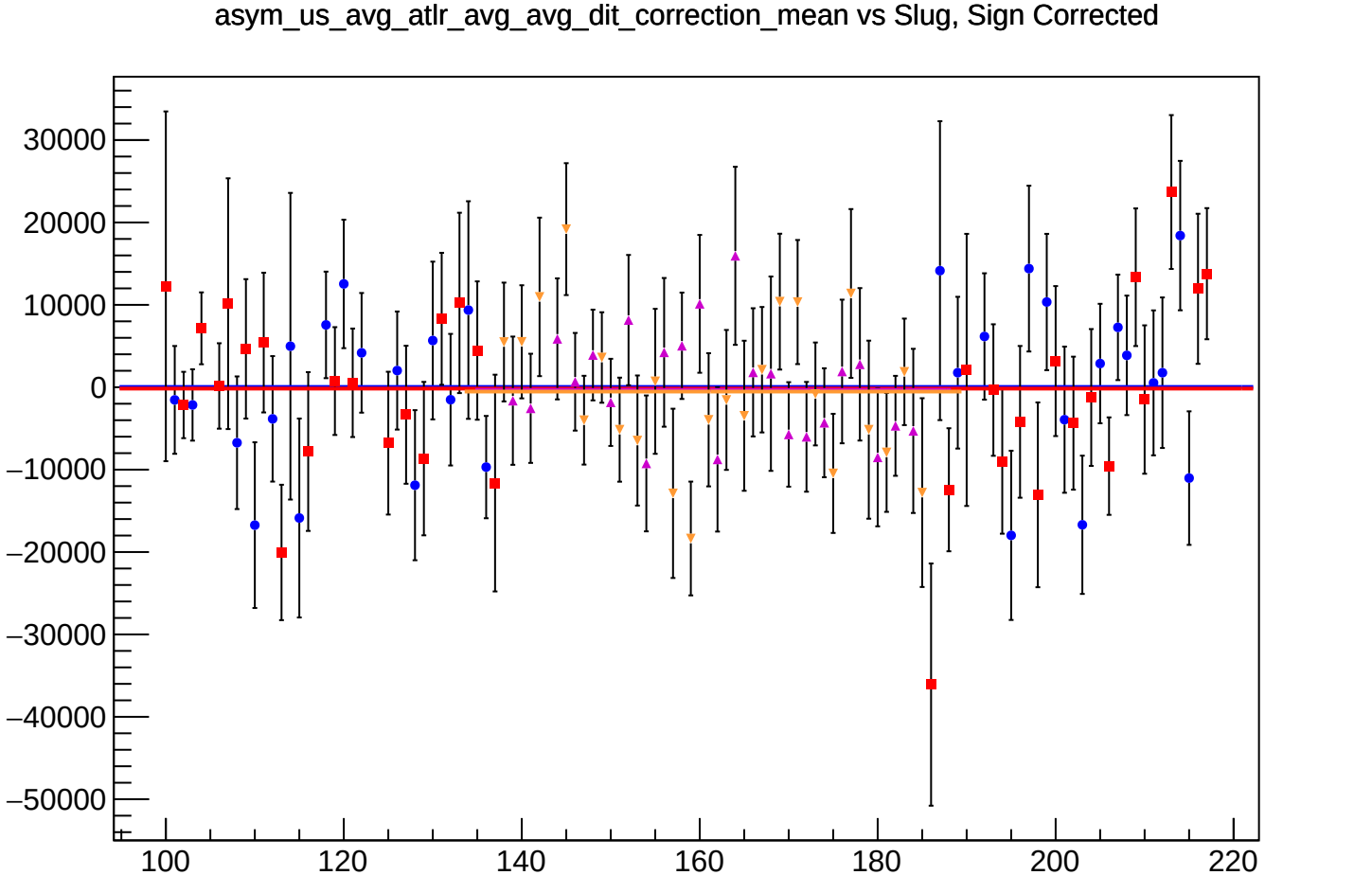
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1863.779+/-0.211 χ^2/NDF: 477632.6/64

In: 1862.937+/-0.215 χ^2/NDF:331104.8/53

Out: 1870.122+/-0.213 χ^2/NDF:210854.2/57

All: 1866.565+/-0.151 χ^2/NDF: 542521.6/111



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: -162.821+/-1345.835 χ^2/NDF: 44.0/33

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

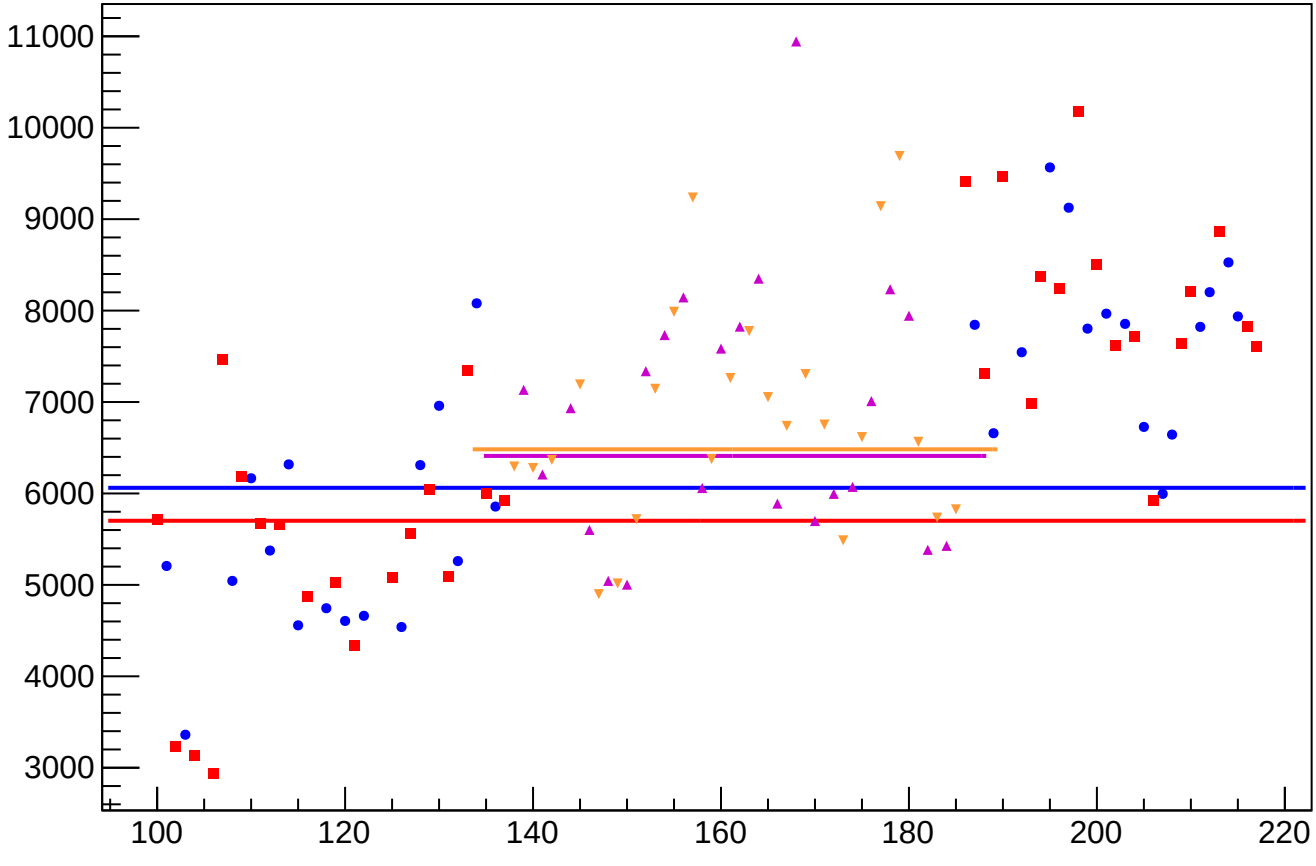
Right: -70.264+/-981.636 χ^2/NDF: 79.1/64

In: -133.552+/-1046.003 χ^2/NDF:48.5/53

Out: -317.968+/-1012.469 χ^2/NDF:73.2/57

All: -228.763+/-727.490 χ^2/NDF: 121.7/111

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 6061.650+/-1.015 χ^2/NDF: 2565378.7/30

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5701.398+/-0.952 χ^2/NDF: 4417750.4/33

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

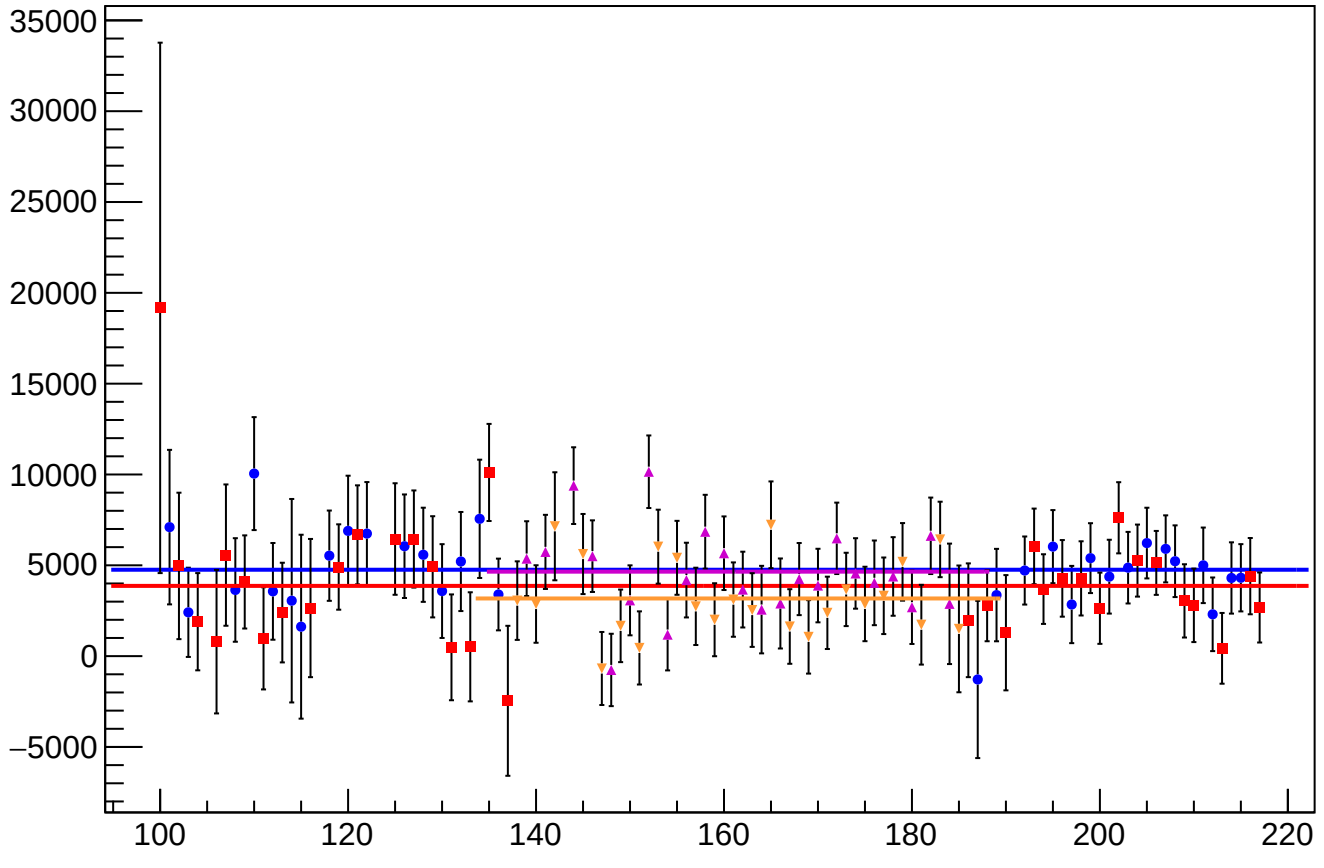
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5869.994+/-0.694 χ^2/NDF: 7050194.6/64

In: 6225.090+/-0.740 χ^2/NDF:3840577.6/53

Out: 6040.533+/-0.716 χ^2/NDF:5784922.2/57

All: 6129.806+/-0.514 χ^2/NDF: 9657645.0/11



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: 3867.023+/-418.427 χ^2/NDF: 29.0/33

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

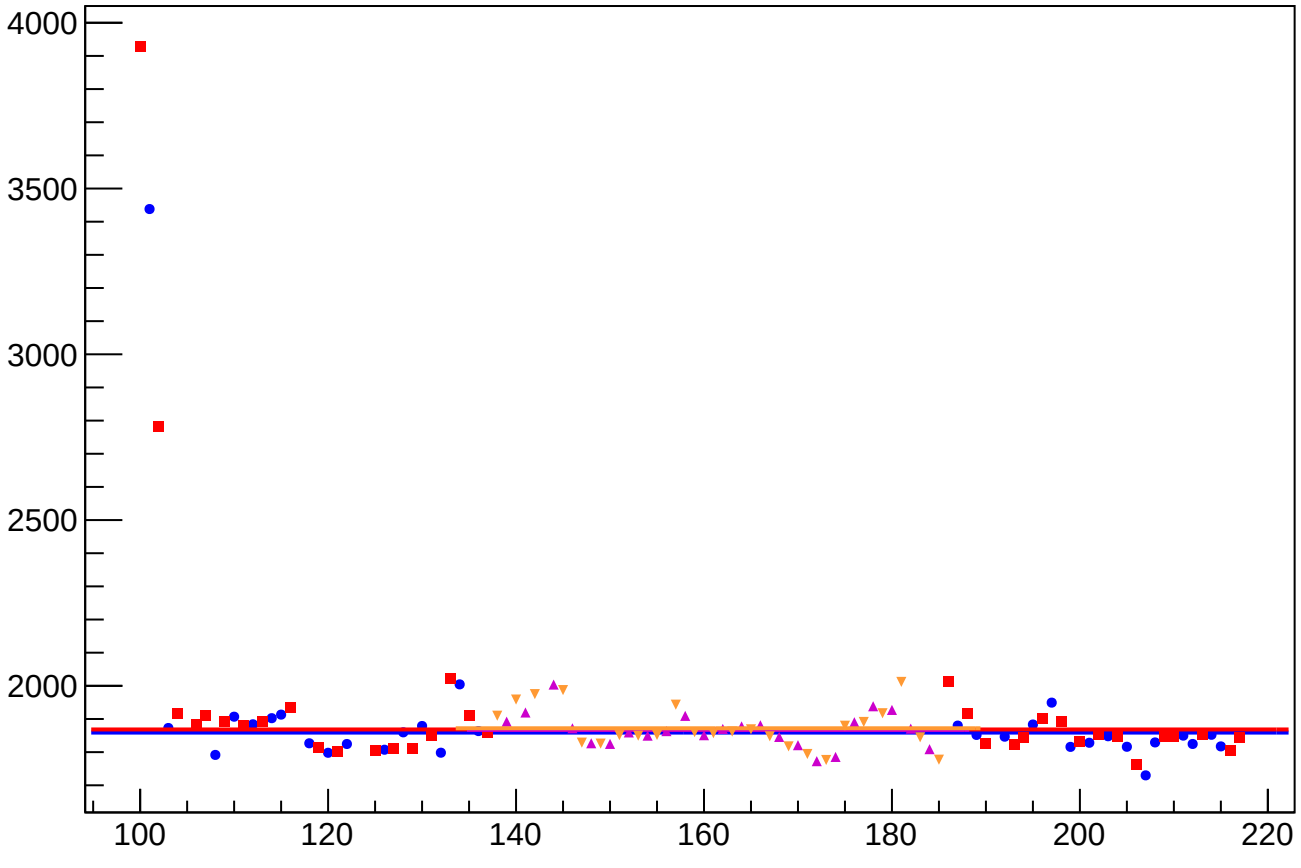
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4304.576+/-298.215 χ^2/NDF: 45.2/64

In: 4704.723+/-304.451 χ^2/NDF:44.6/53

Out: 3534.079+/-301.500 χ^2/NDF:51.9/57

All: 4113.699+/-214.229 χ^2/NDF: 103.9/111



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: 1868.403+/-0.296 χ^2/NDF: 173628.2/33

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

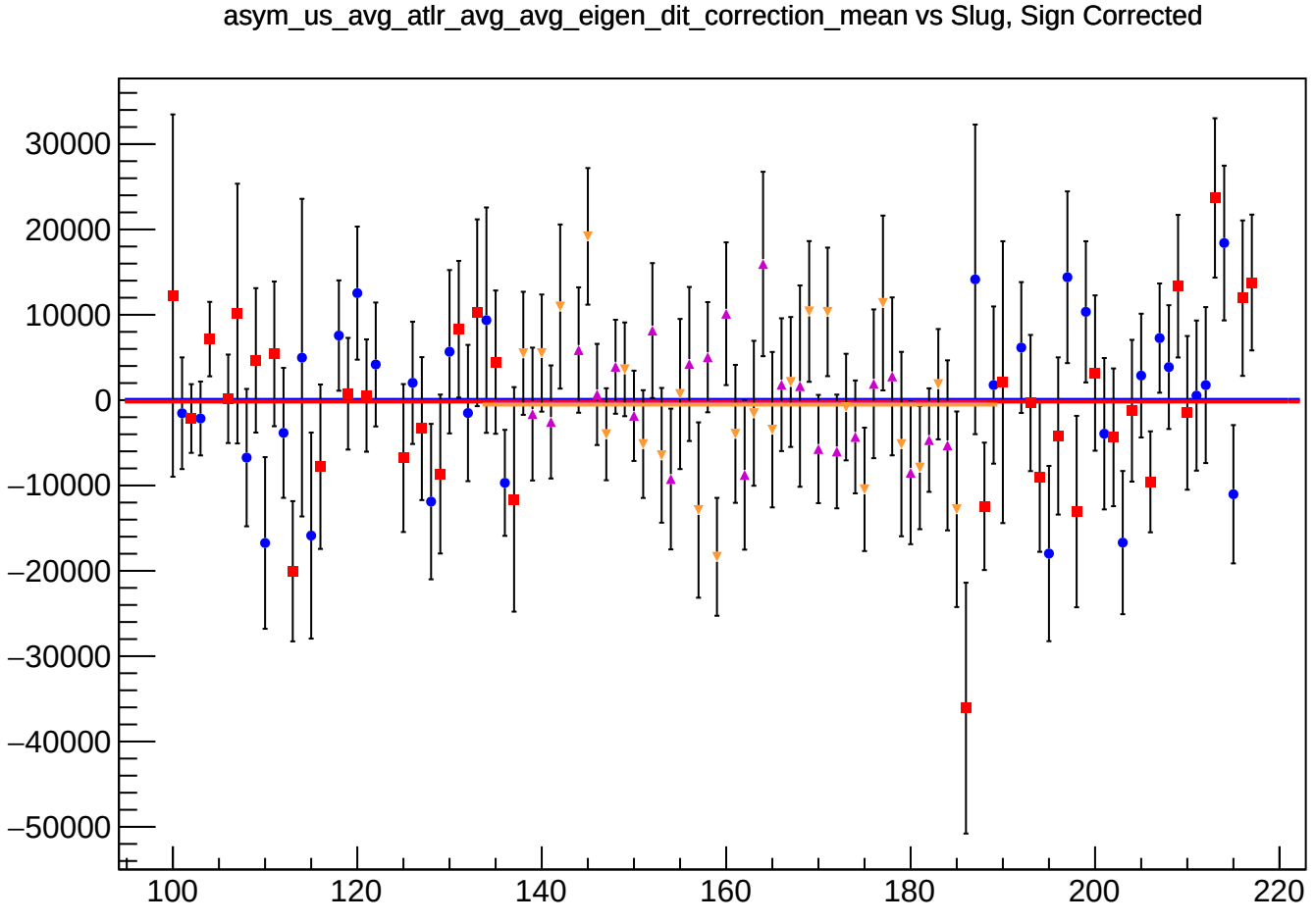
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1863.779+/-0.211 χ^2/NDF: 477631.7/64

In: 1862.937+/-0.215 χ^2/NDF:331106.2/53

Out: 1870.123+/-0.213 χ^2/NDF:210854.4/57

All: 1866.566+/-0.151 χ^2/NDF: 542523.1/111



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: -162.817+/-1345.834 χ^2/NDF: 44.0/33

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

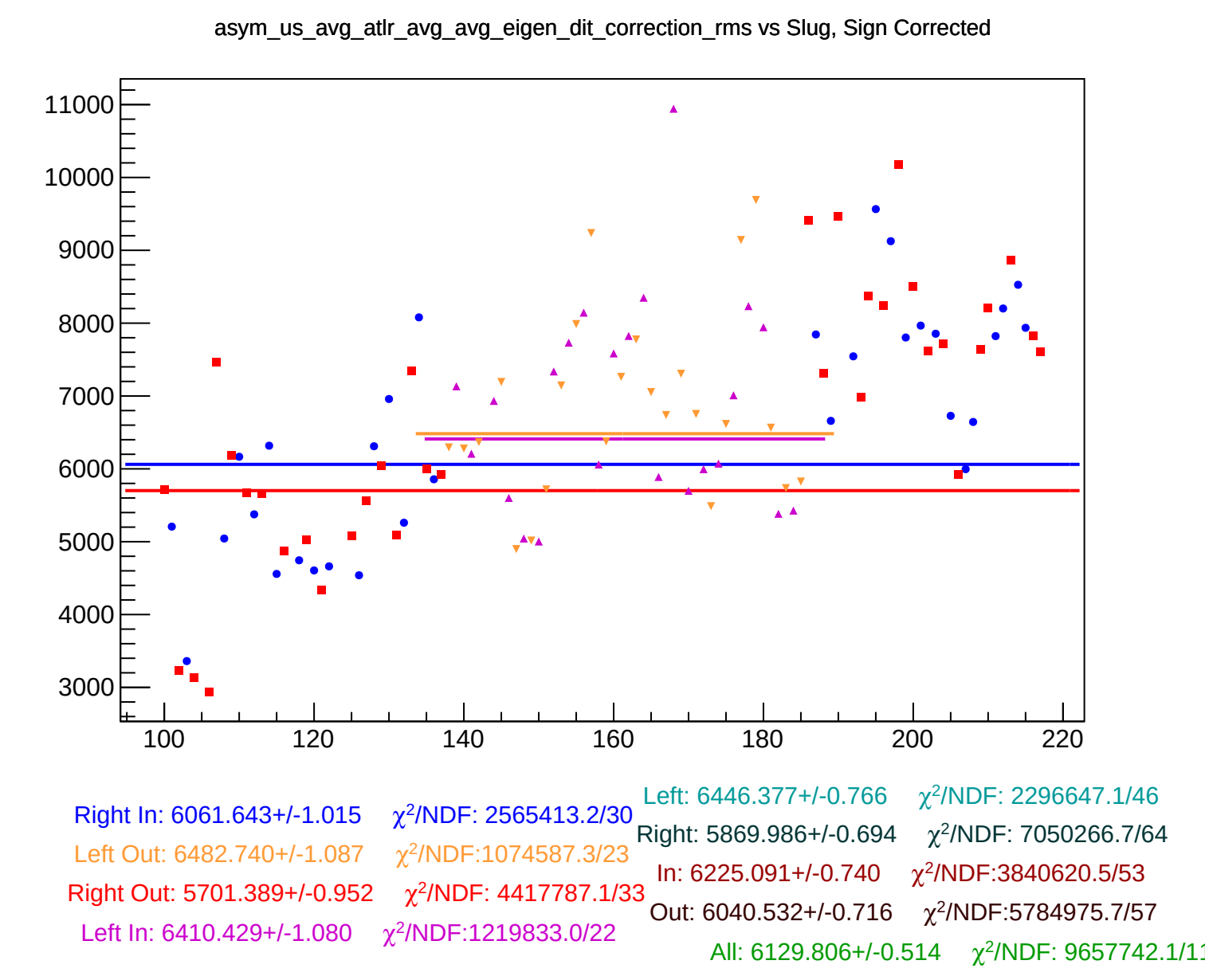
Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

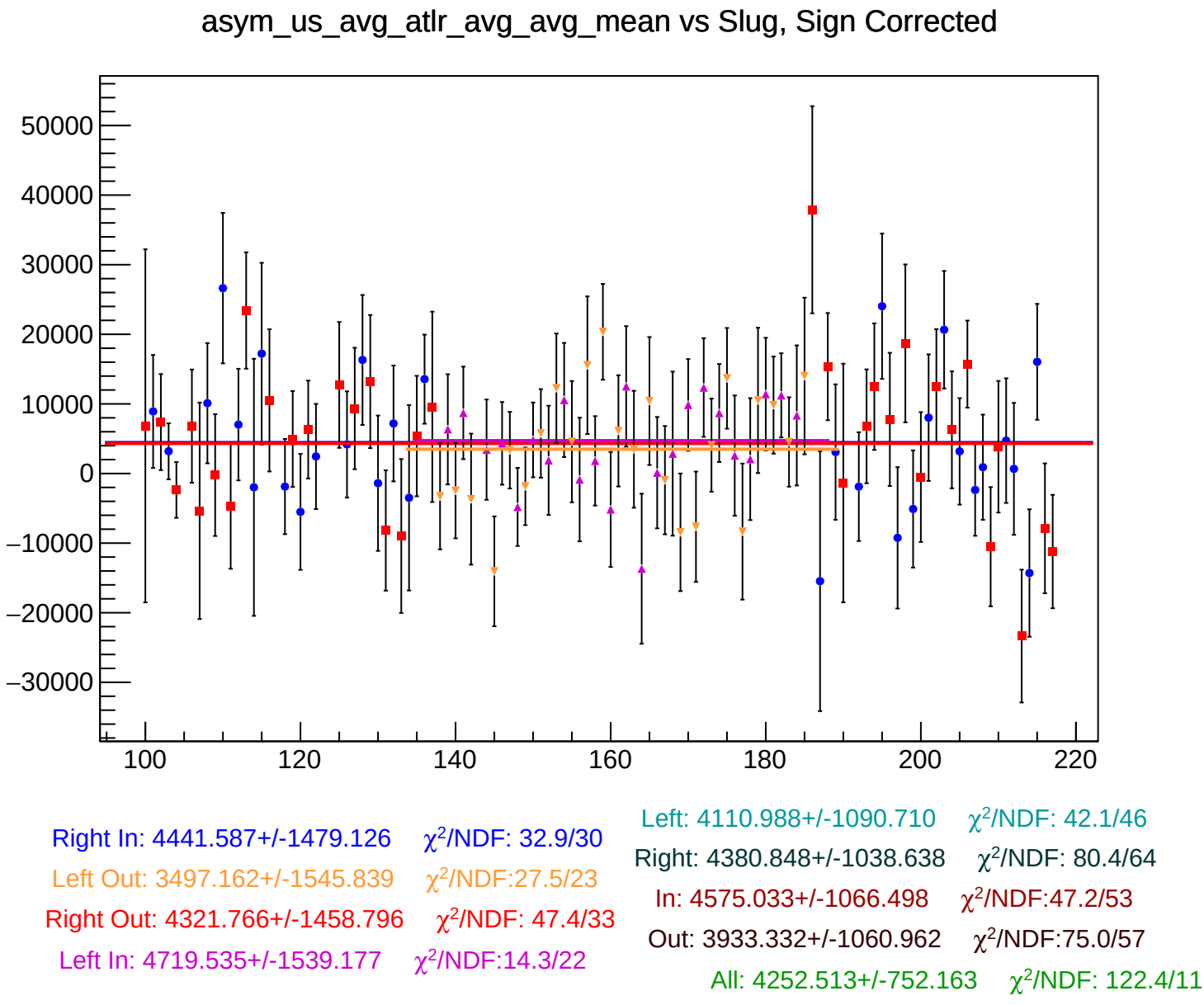
Right: -70.261+/-981.635 χ^2/NDF: 79.1/64

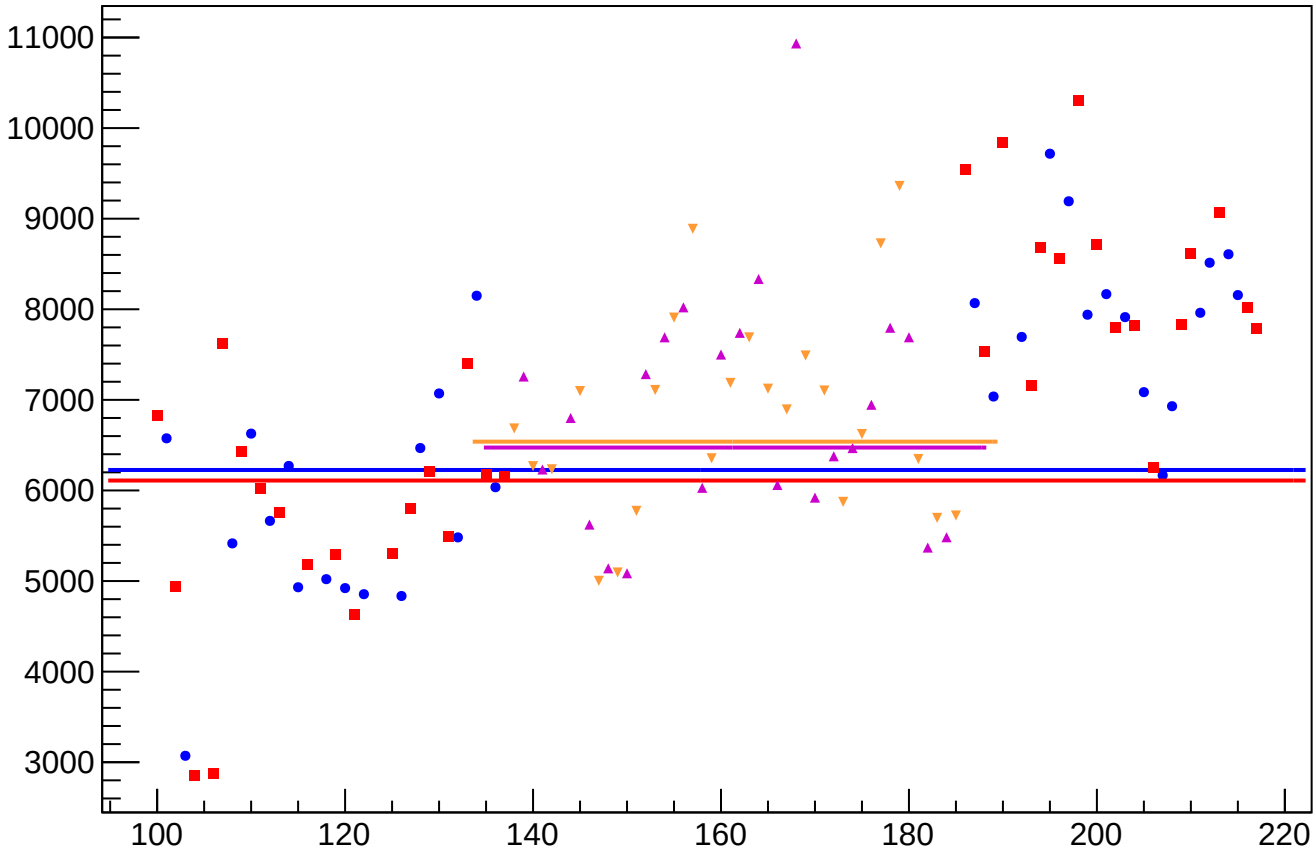
In: -133.552+/-1046.003 χ^2/NDF:48.5/53

Out: -317.968+/-1012.469 χ^2/NDF:73.2/57

All: -228.763+/-727.490 χ^2/NDF: 121.7/111


asym_us_avg_atlr_avg_avg_eigen_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: 6061.643+/-1.015 χ²/NDF: 2565413.2/30
Left Out: 6482.740+/-1.087 χ²/NDF:1074587.3/23
Right Out: 5701.389+/-0.952 χ²/NDF: 4417787.1/33
Left In: 6410.429+/-1.080 χ²/NDF:1219833.0/22
Left: 6446.377+/-0.766 χ²/NDF: 2296647.1/46
Right: 5869.986+/-0.694 χ²/NDF: 7050266.7/64
In: 6225.091+/-0.740 χ²/NDF:3840620.5/53
Out: 6040.532+/-0.716 χ²/NDF:5784975.7/57
All: 6129.806+/-0.514 χ²/NDF: 9657742.1/11


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 4441.587+/-1479.126 χ²/NDF: 32.9/30
Left Out: 3497.162+/-1545.839 χ²/NDF:27.5/23
Right Out: 4321.766+/-1458.796 χ²/NDF: 47.4/33
Left In: 4719.535+/-1539.177 χ²/NDF:14.3/22
Left: 4110.988+/-1090.710 χ²/NDF: 42.1/46
Right: 4380.848+/-1038.638 χ²/NDF: 80.4/64
In: 4575.033+/-1066.498 χ²/NDF:47.2/53
Out: 3933.332+/-1060.962 χ²/NDF:75.0/57
All: 4252.513+/-752.163 χ²/NDF: 122.4/111



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: 6109.487+/-1.019 χ^2/NDF: 3916269.7/33

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

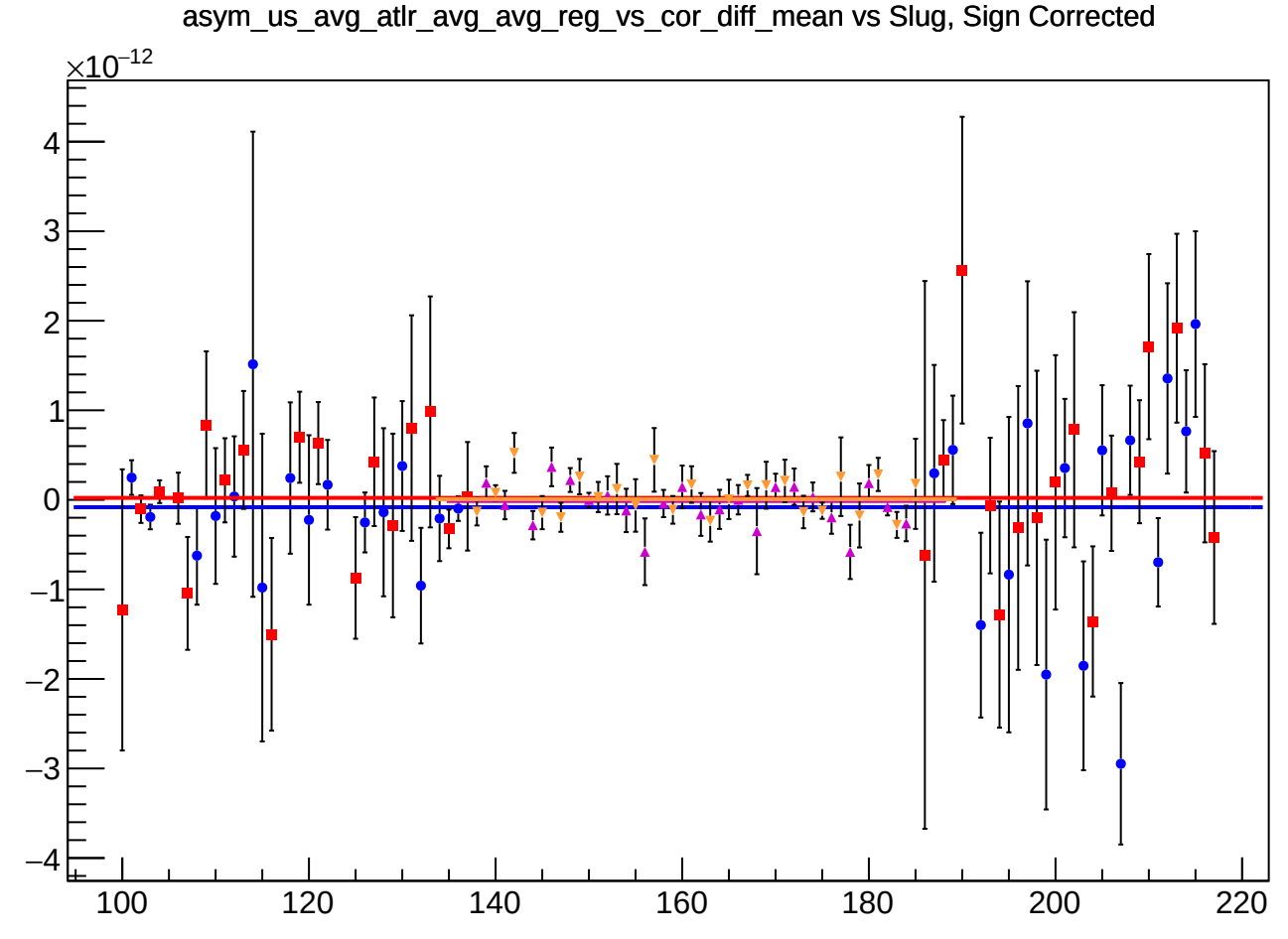
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 6166.253+/-0.730 χ^2/NDF: 6757756.5/64

In: 6344.823+/-0.754 χ^2/NDF:3933757.7/53

Out: 6309.143+/-0.746 χ^2/NDF:4919349.4/57

All: 6326.778+/-0.530 χ^2/NDF: 8854239.2/11



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: 31.5/33

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

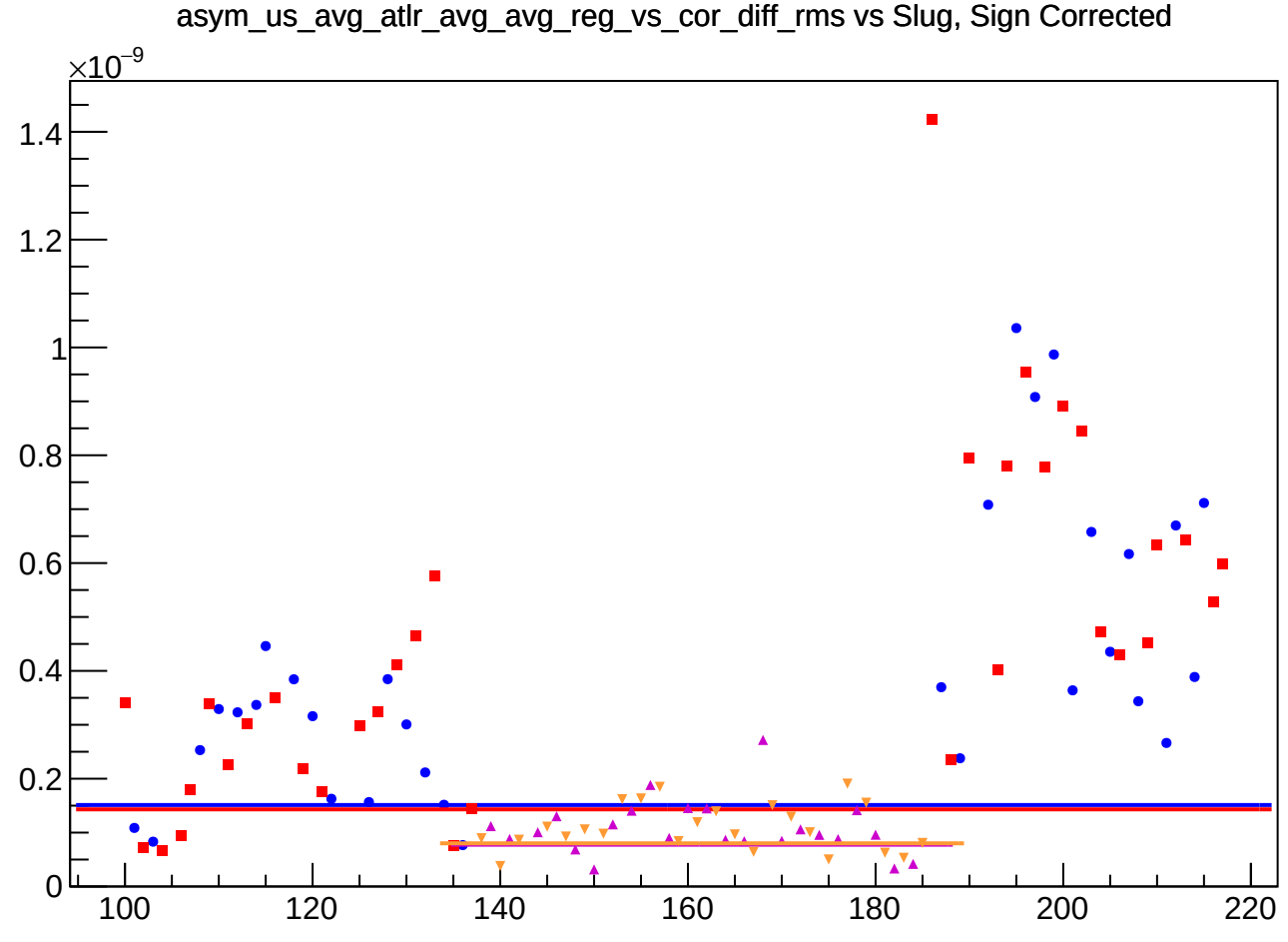
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 69.5/64

In: -0.000+/-0.000 χ^2/NDF:61.6/53

Out: 0.000+/-0.000 χ^2/NDF:58.7/57

All: -0.000+/-0.000 χ^2/NDF: 121.0/111



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: 8773852.9/33

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

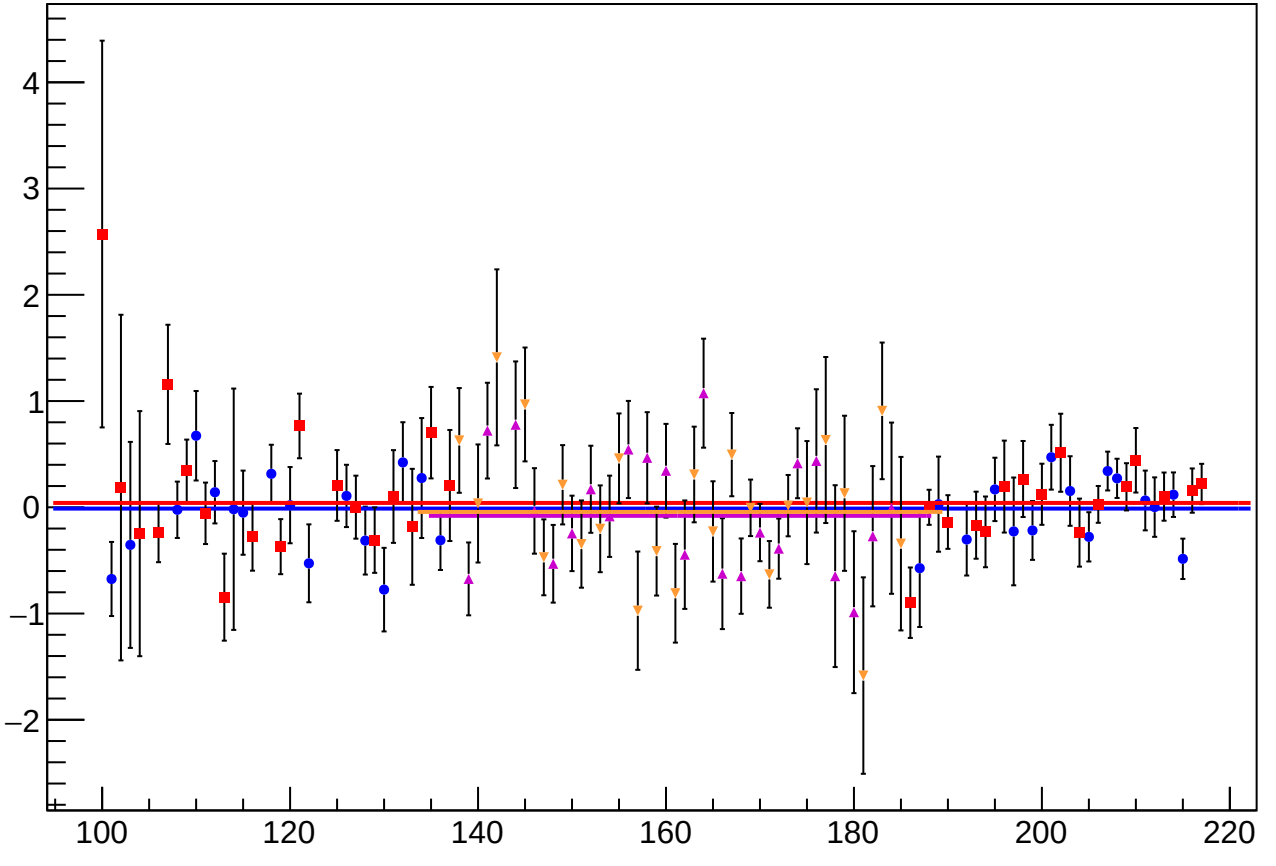
Right: 0.000+/-0.000 χ^2/NDF: 16016139.4/64

In: 0.000+/-0.000 χ^2/NDF:11532019.4/53

Out: 0.000+/-0.000 χ^2/NDF:12136921.4/57

All: 0.000+/-0.000 χ^2/NDF: 23669955.7/111

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: 0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

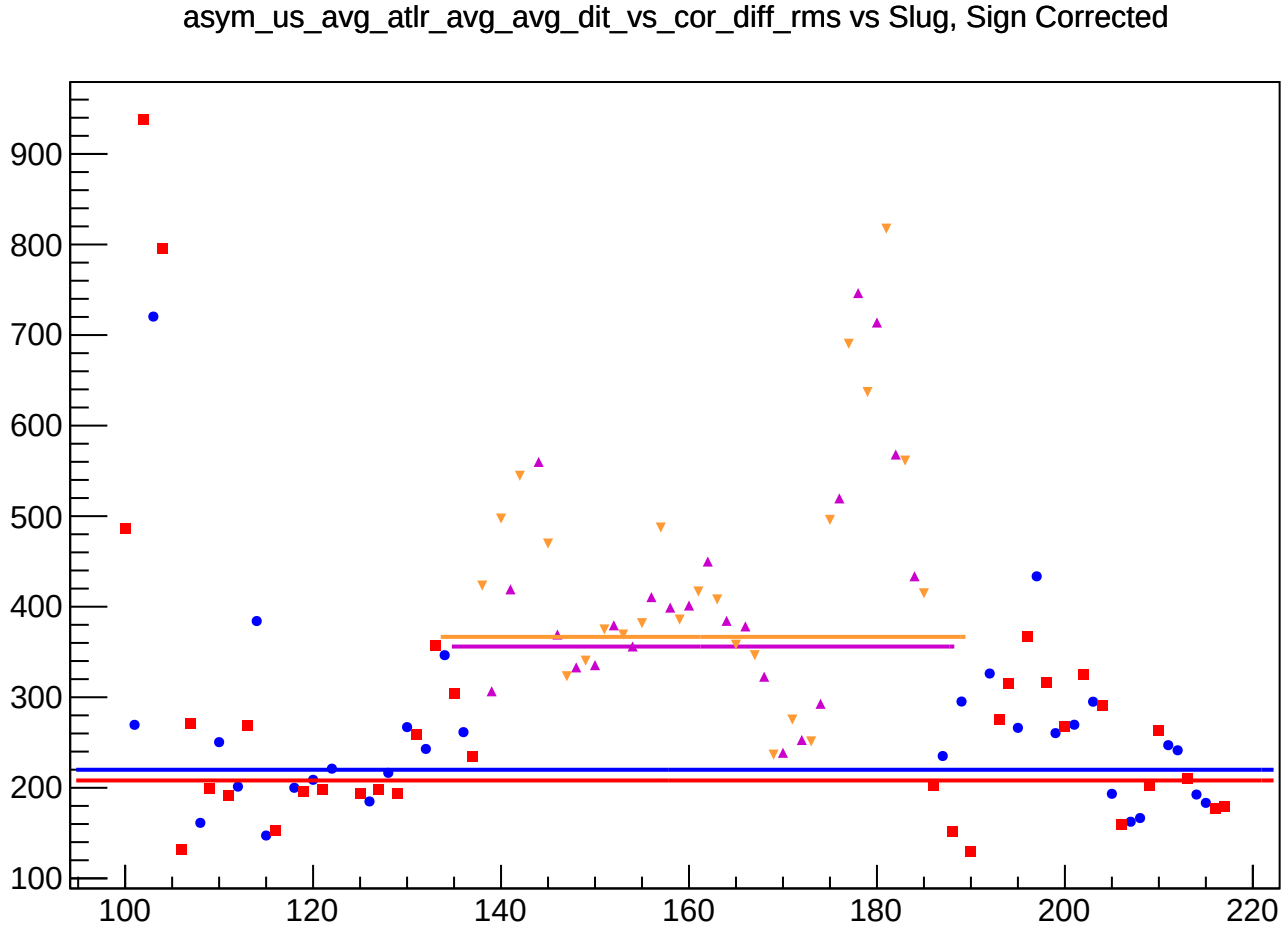
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: 0.016+/-0.037 χ^2/NDF: 80.2/64

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.021+/-0.044 χ^2/NDF:74.0/57

All: -0.004+/-0.032 χ^2/NDF: 142.8/111



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: 208.109+/-0.036 χ^2/NDF: 3467809.1/33

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

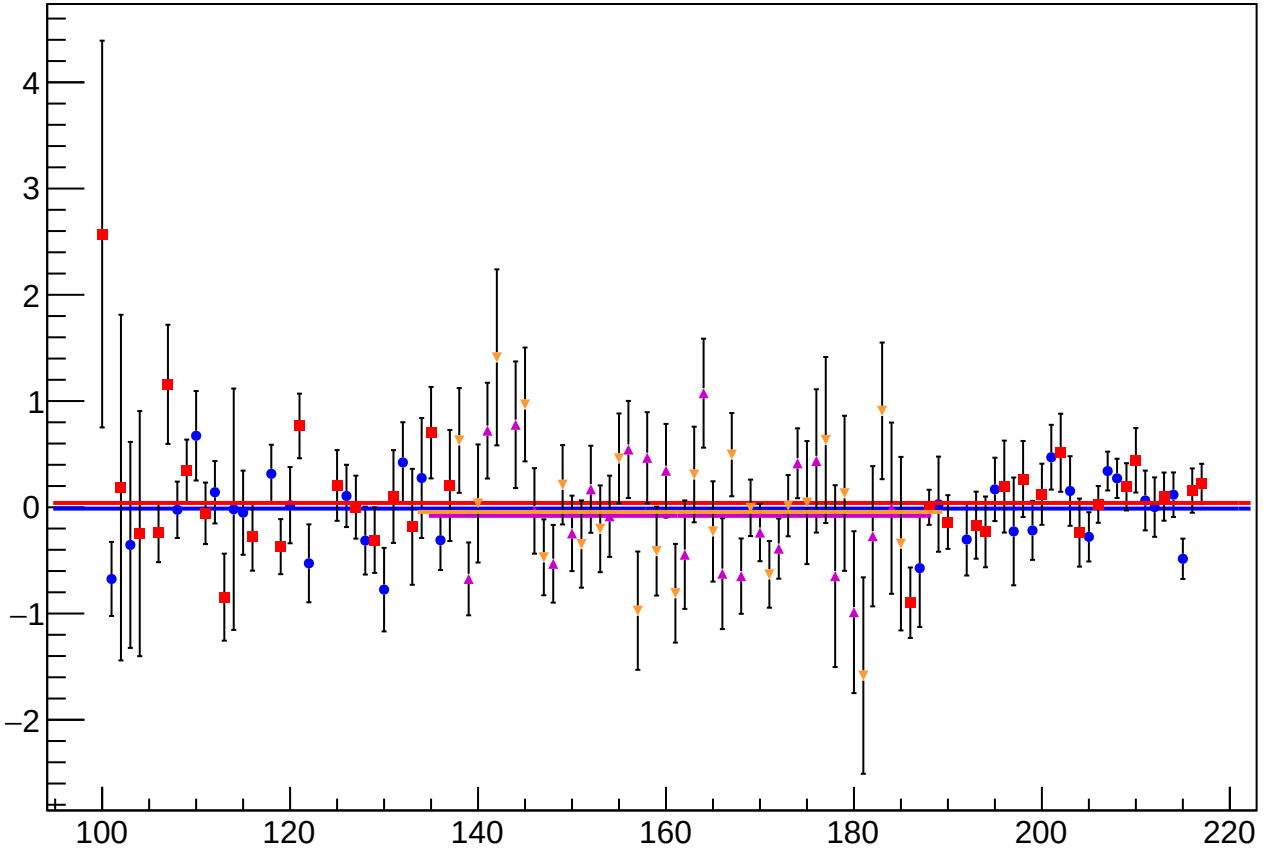
Right: 213.681+/-0.026 χ^2/NDF: 5927897.8/64

In: 257.034+/-0.032 χ^2/NDF:8325355.6/53

Out: 246.052+/-0.031 χ^2/NDF:10983681.5/57

All: 251.350+/-0.023 χ^2/NDF: 19368463.8/1

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: 0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

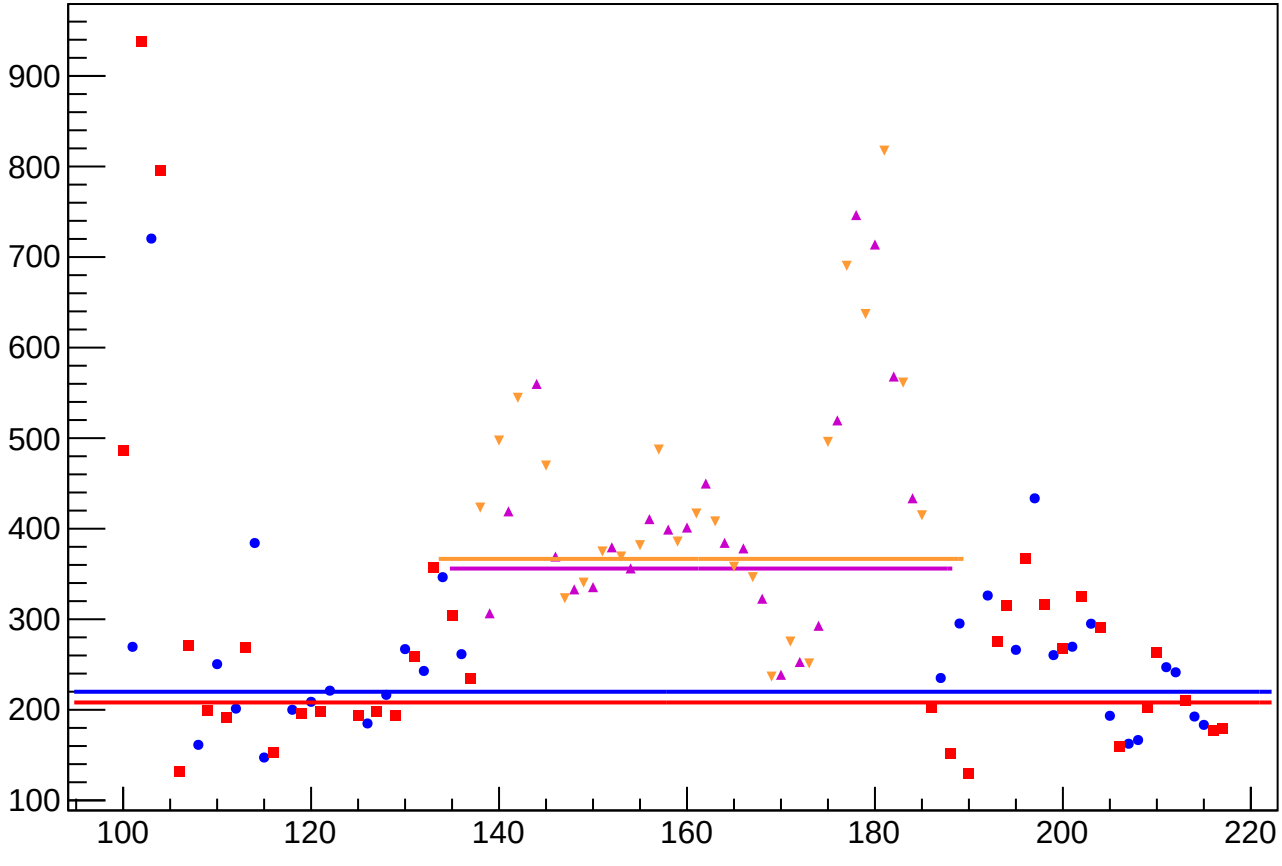
Right: 0.016+/-0.037 χ^2/NDF: 80.2/64

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.021+/-0.044 χ^2/NDF:74.0/57

All: -0.004+/-0.032 χ^2/NDF: 142.8/111

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: 208.109+/-0.036 χ^2/NDF: 3467809.1/33

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

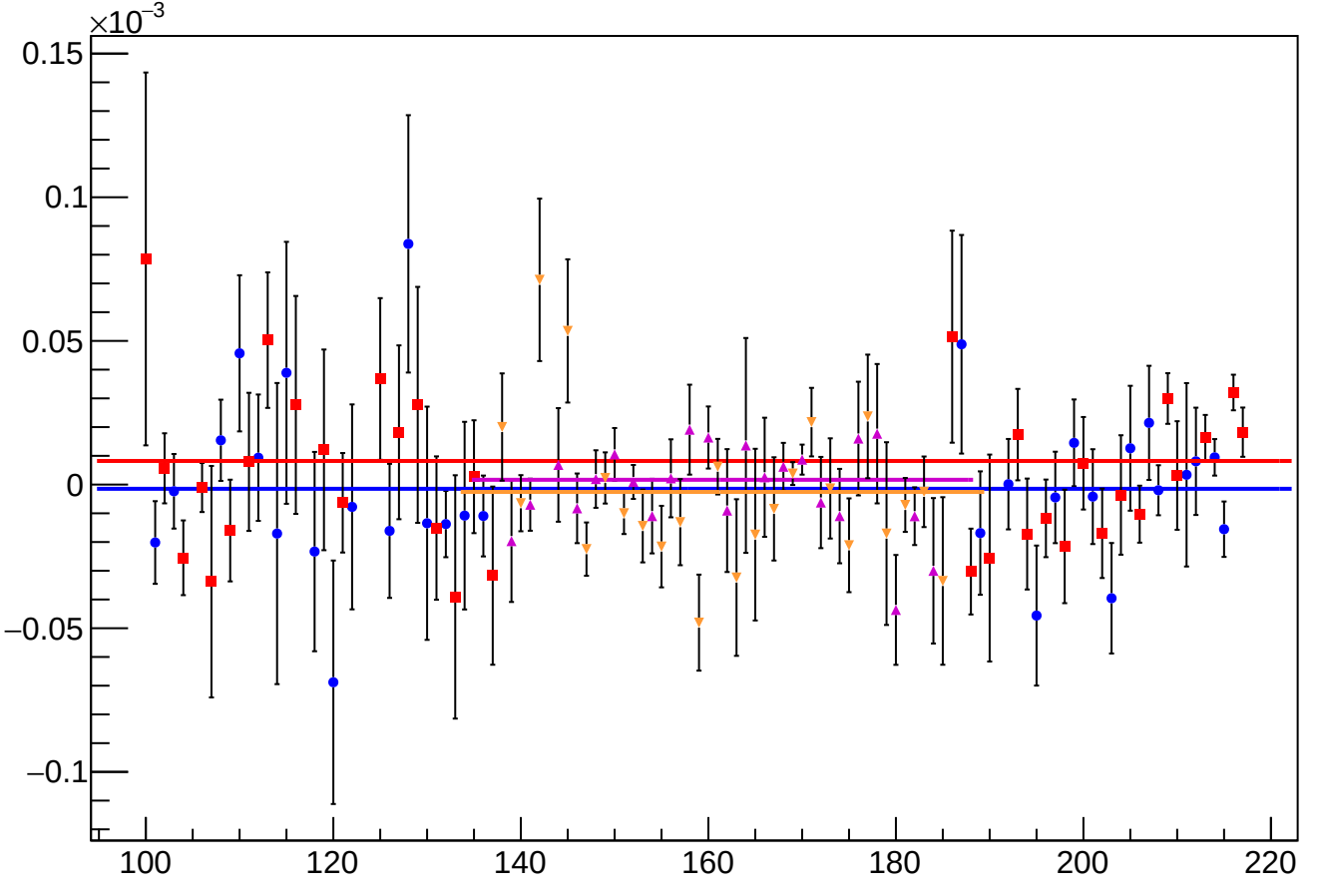
Right: 213.681+/-0.026 χ^2/NDF: 5927897.8/64

In: 257.034+/-0.032 χ^2/NDF:8325355.6/53

Out: 246.052+/-0.031 χ^2/NDF:10983681.5/57

All: 251.350+/-0.023 χ^2/NDF: 19368463.8/1

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 66.7/33

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

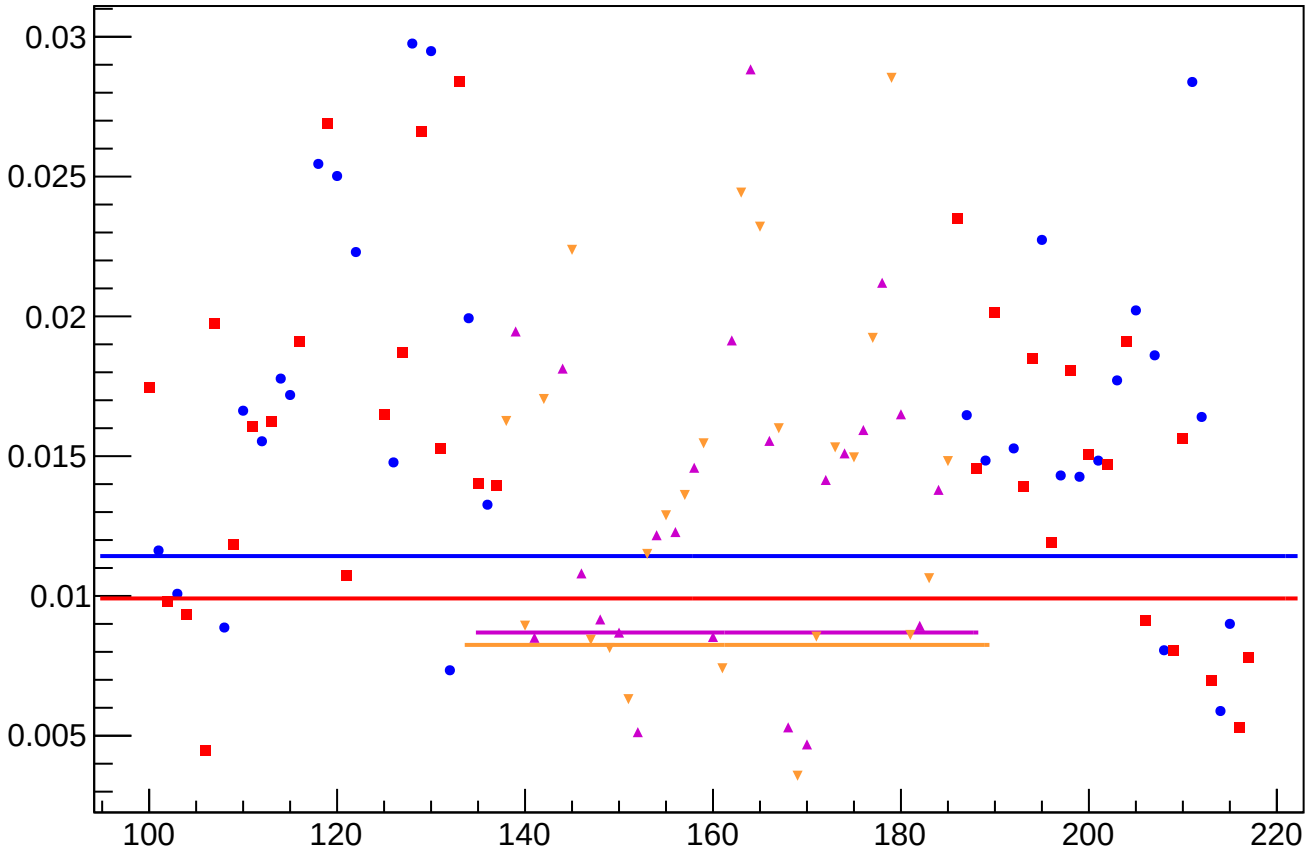
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: 0.000+/-0.000 χ^2/NDF: 106.9/64

In: 0.000+/-0.000 χ^2/NDF:55.2/53

Out: 0.000+/-0.000 χ^2/NDF:120.4/57

All: 0.000+/-0.000 χ^2/NDF: 176.2/111



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: 7175273.0/33

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

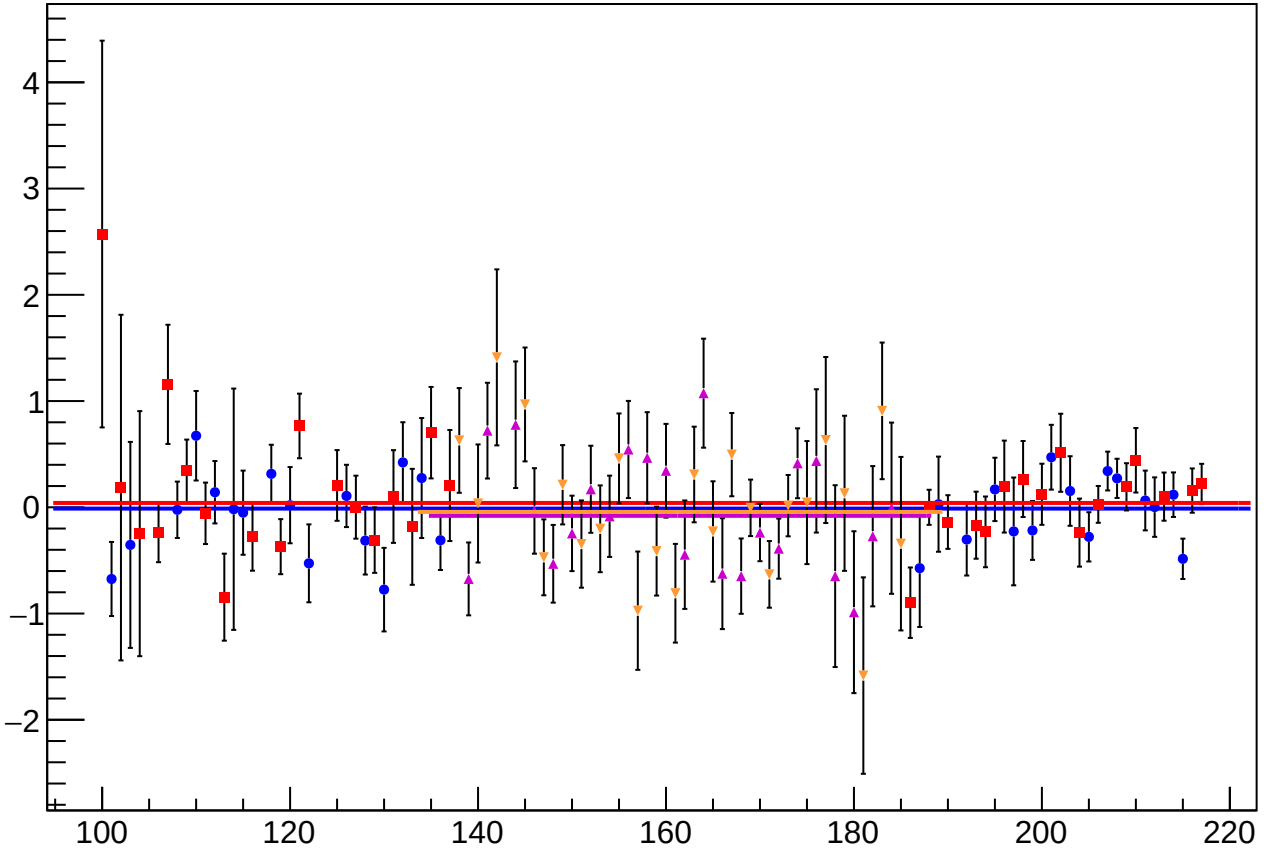
Right: 0.011+/-0.000 χ^2/NDF: 14008316.3/64

In: 0.010+/-0.000 χ^2/NDF:14468119.1/53

Out: 0.009+/-0.000 χ^2/NDF:16540132.8/57

All: 0.009+/-0.000 χ^2/NDF: 31205739.8/111

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: 0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

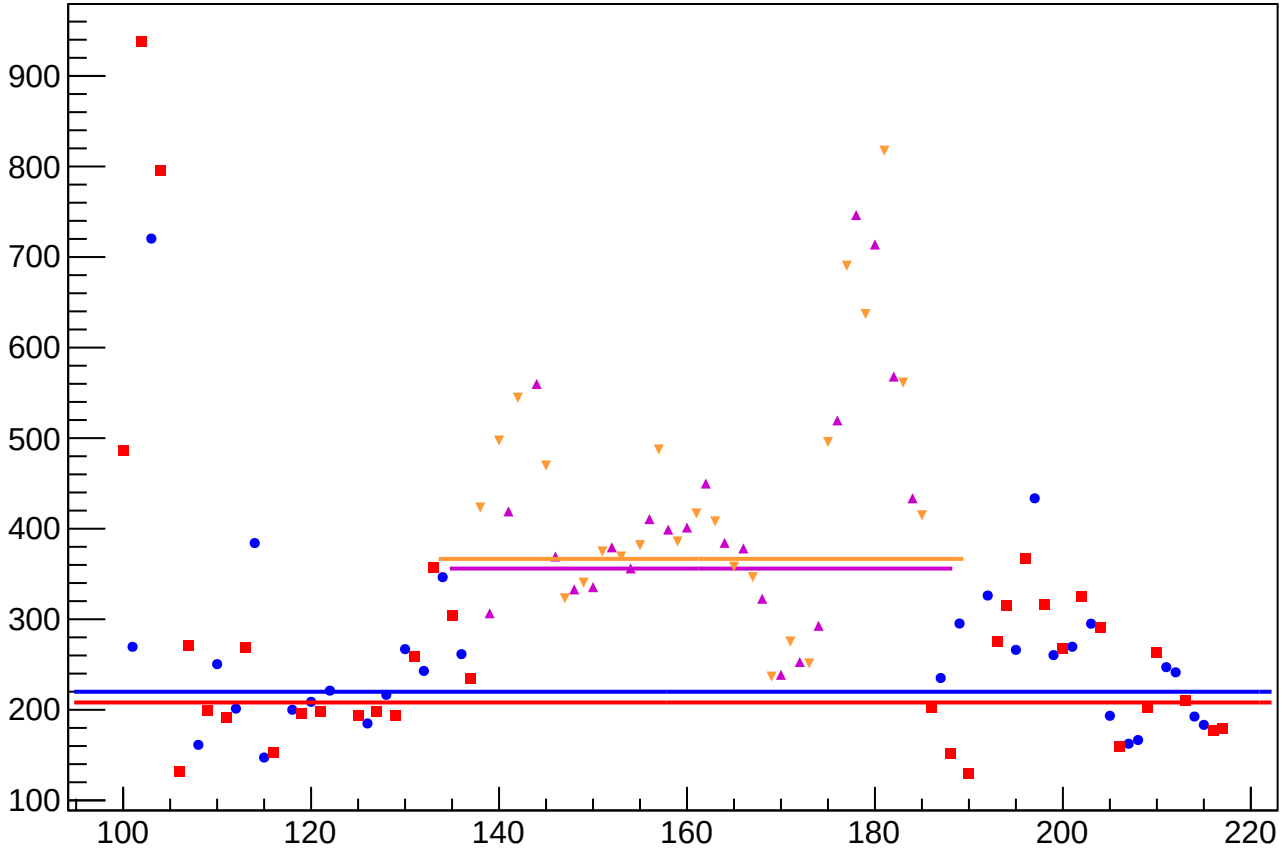
Right: 0.016+/-0.037 χ^2/NDF: 80.2/64

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.021+/-0.044 χ^2/NDF:74.0/57

All: -0.004+/-0.032 χ^2/NDF: 142.8/111

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: 208.106+/-0.036 χ^2/NDF: 3467864.6/33

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

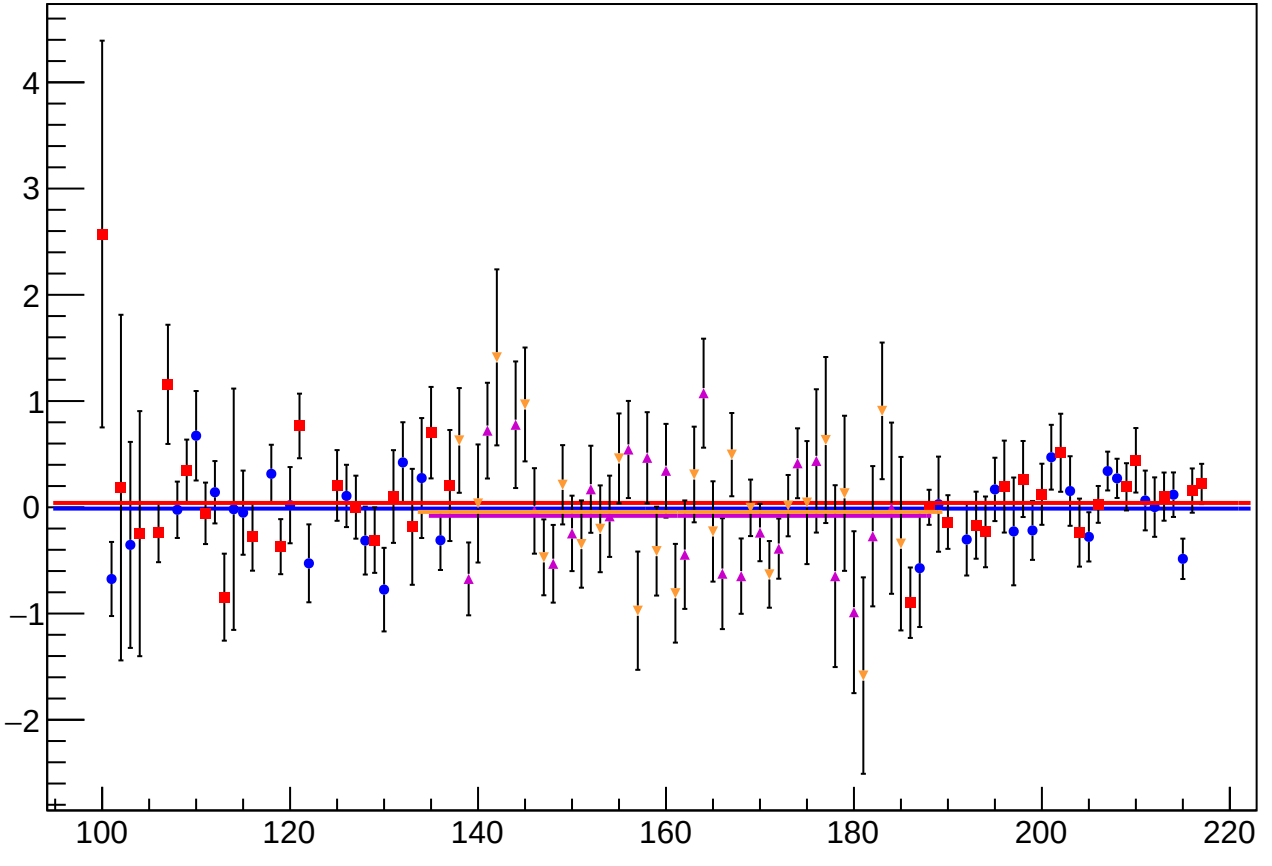
Right: 213.679+/-0.026 χ^2/NDF: 5927999.2/64

In: 257.033+/-0.032 χ^2/NDF:8325671.8/53

Out: 246.050+/-0.031 χ^2/NDF:10984107.8/57

All: 251.348+/-0.023 χ^2/NDF: 19369221.1/11

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: 0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

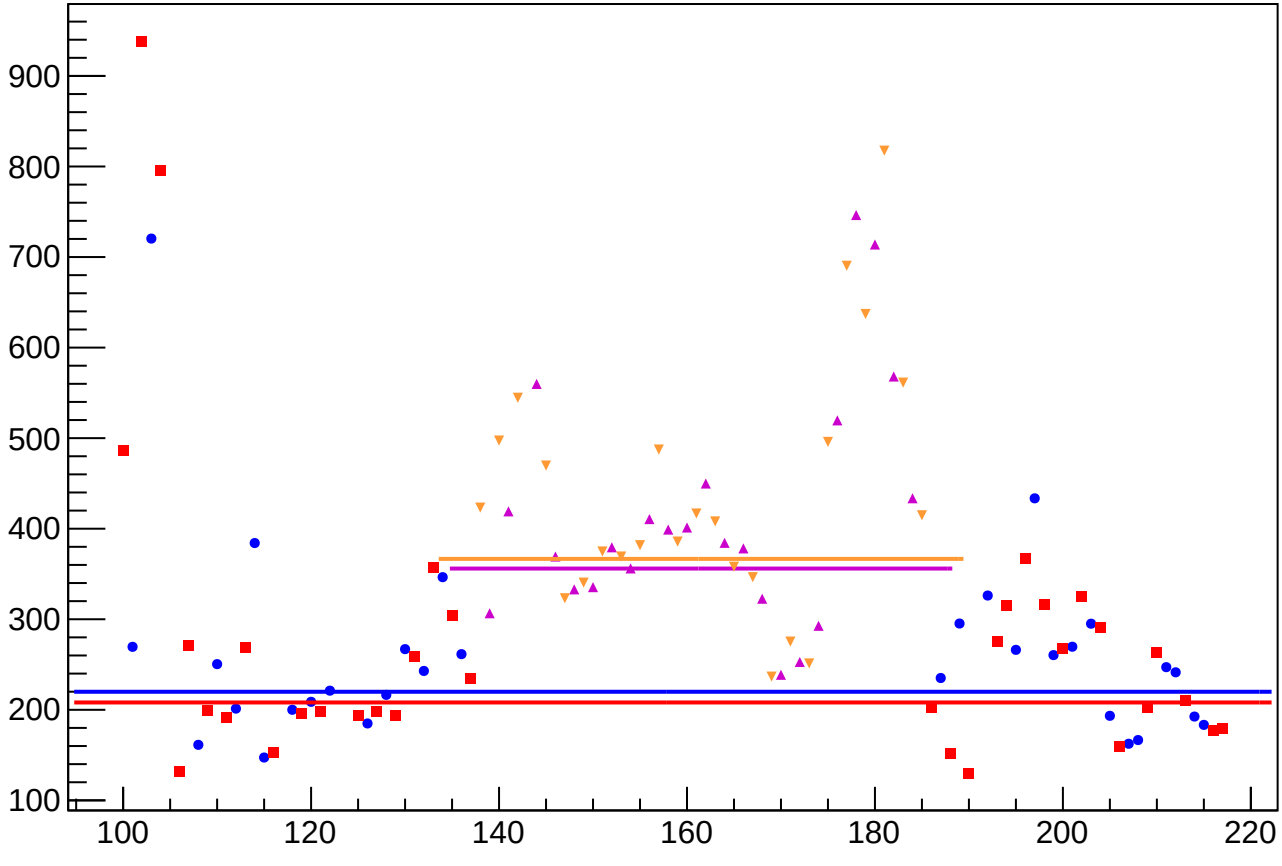
Right: 0.016+/-0.037 χ^2/NDF: 80.2/64

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.021+/-0.044 χ^2/NDF:74.0/57

All: -0.004+/-0.032 χ^2/NDF: 142.8/111

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: 208.106+/-0.036 χ^2/NDF: 3467864.6/33

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

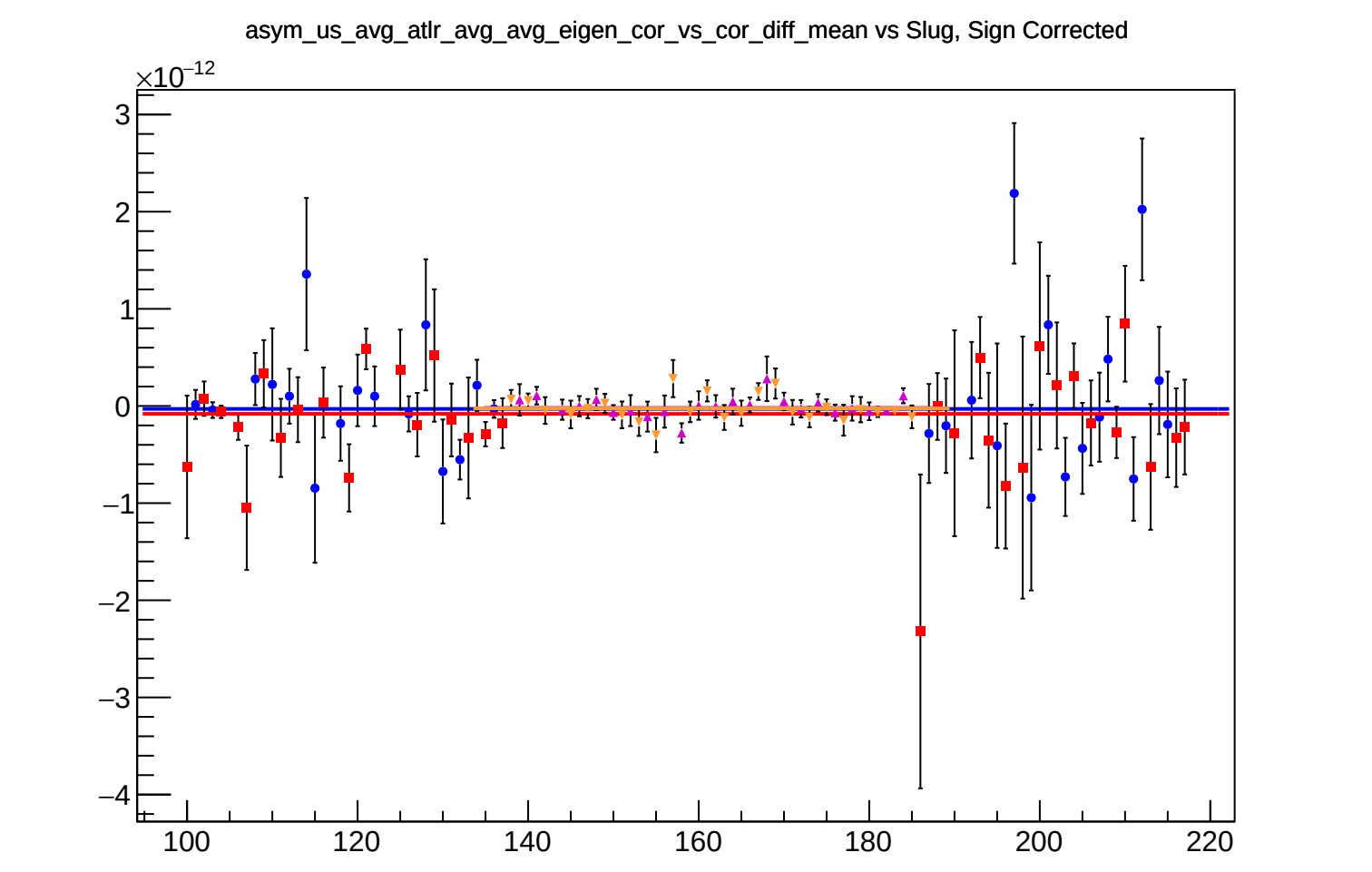
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 213.679+/-0.026 χ^2/NDF: 5927999.2/64

In: 257.033+/-0.032 χ^2/NDF:8325671.8/53

Out: 246.050+/-0.031 χ^2/NDF:10984107.8/57

All: 251.348+/-0.023 χ^2/NDF: 19369221.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 47.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/33

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

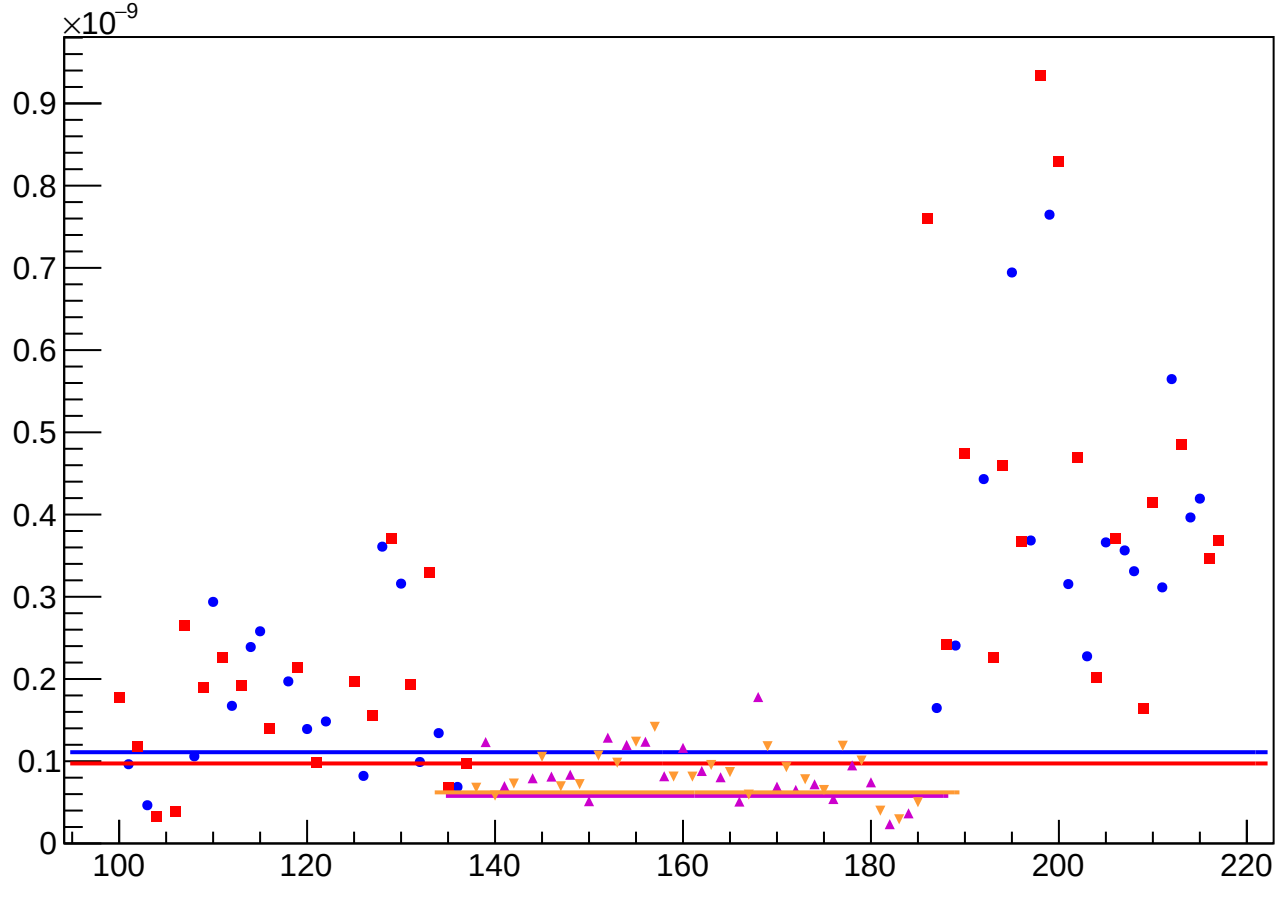
Right: -0.000+/-0.000 χ^2/NDF: 85.5/64

In: -0.000+/-0.000 χ^2/NDF:64.6/53

Out: -0.000+/-0.000 χ^2/NDF:60.9/57

All: -0.000+/-0.000 χ^2/NDF: 125.7/111

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10053002.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12320430.5/33

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

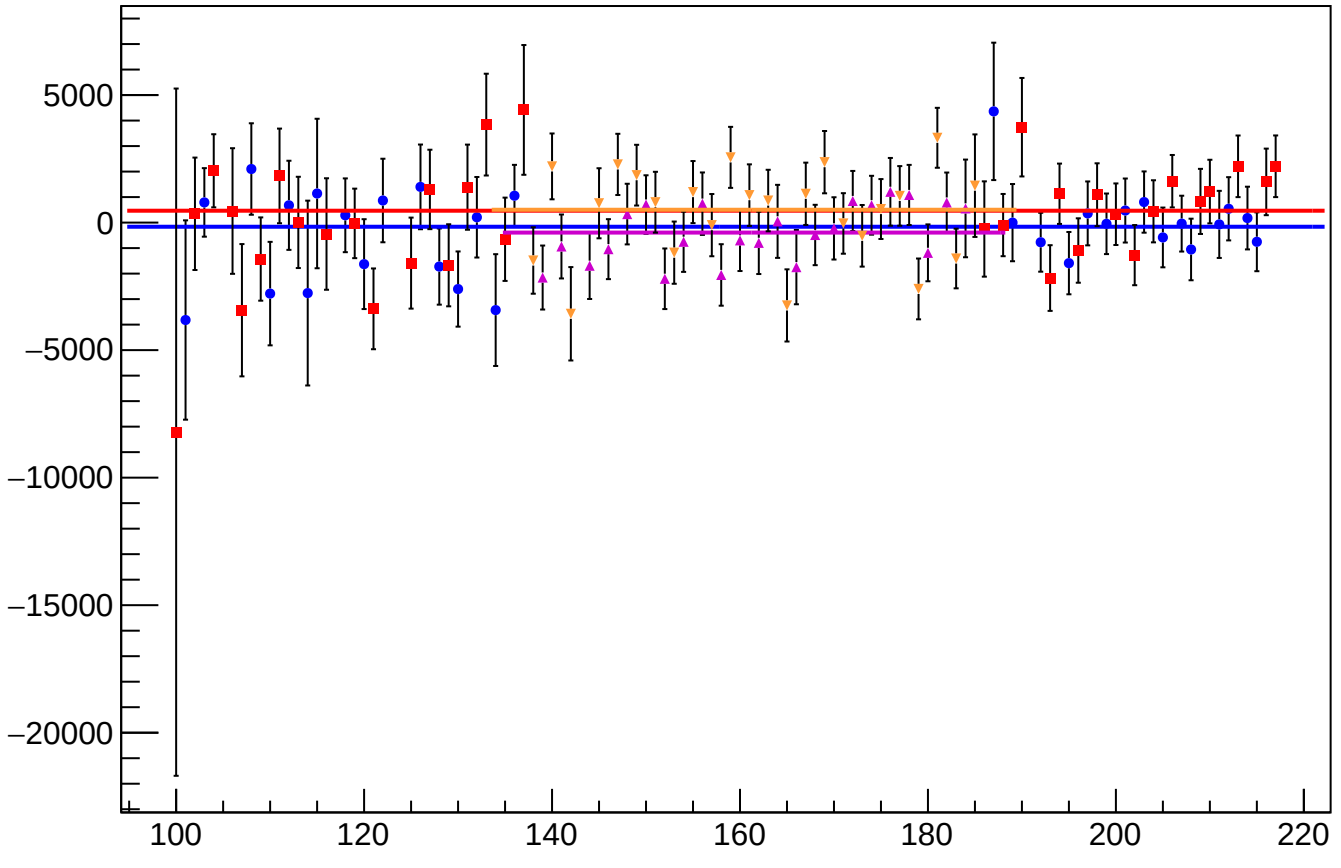
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 22474105.8/64

In: 0.000+/-0.000 χ^2/NDF:17995321.4/53

Out: 0.000+/-0.000 χ^2/NDF:17593834.2/57

All: 0.000+/-0.000 χ^2/NDF: 35613375.0/111



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: 465.592+/-254.334 χ^2/NDF: 39.8/33

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

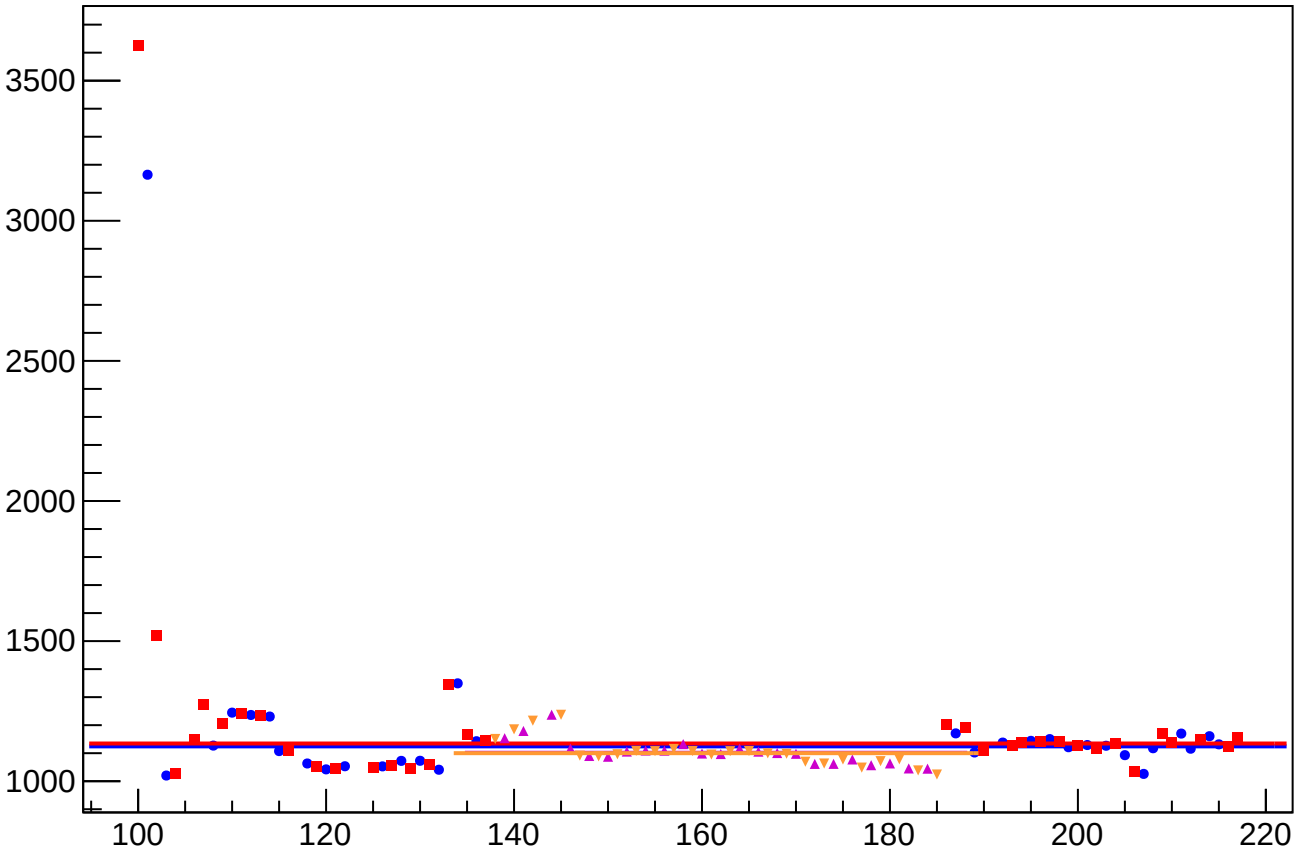
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 156.291+/-181.217 χ^2/NDF: 64.5/64

In: -277.573+/-182.311 χ^2/NDF:39.9/53

Out: 484.510+/-180.263 χ^2/NDF:84.4/57

All: 107.774+/-128.183 χ^2/NDF: 133.1/111



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: 1134.551+/-0.180 χ^2/NDF: 250221.0/33

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

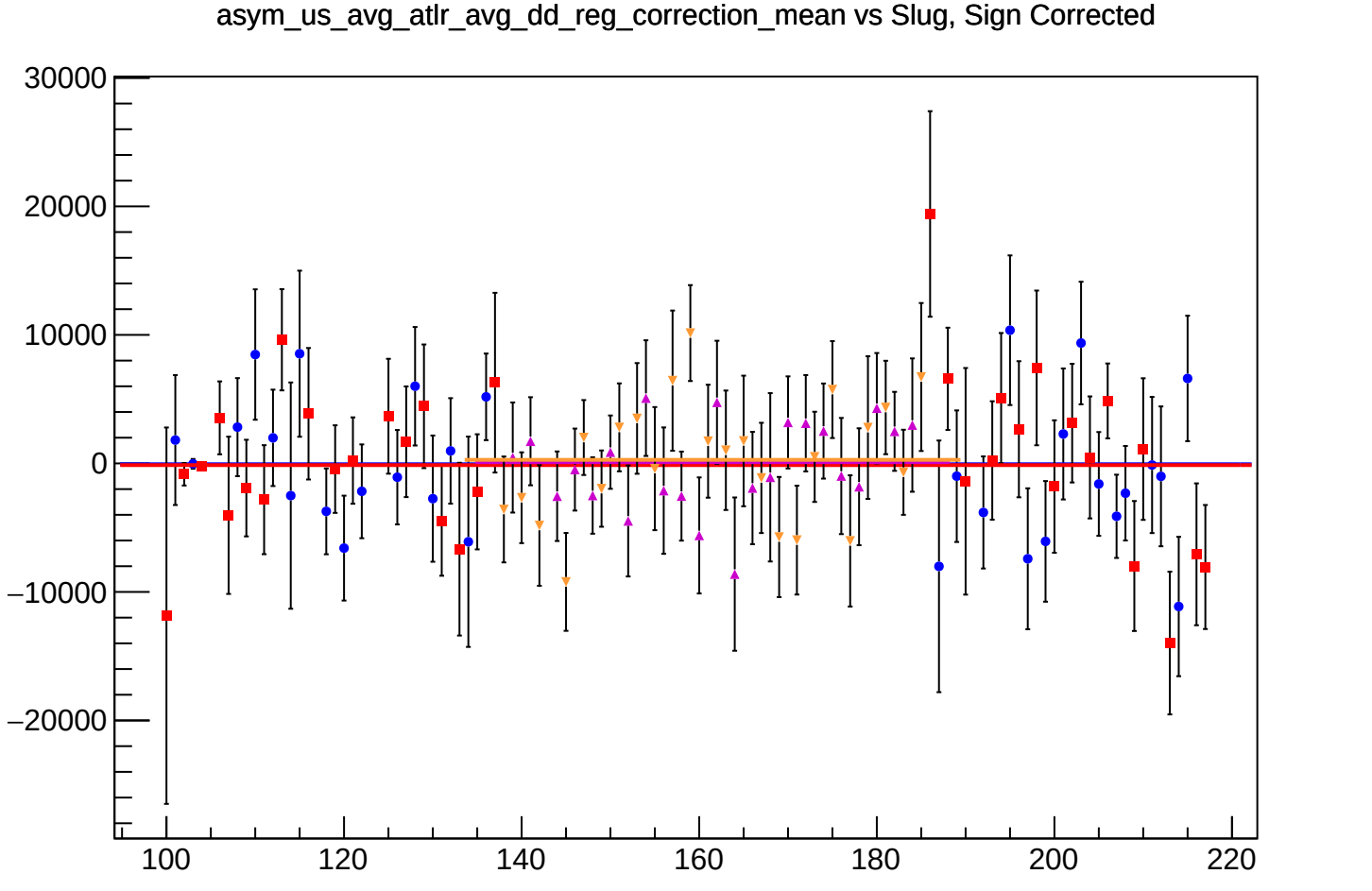
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1129.525+/-0.128 χ^2/NDF: 897988.3/64

In: 1112.894+/-0.129 χ^2/NDF:706148.1/53

Out: 1117.399+/-0.127 χ^2/NDF:327267.6/57

All: 1115.173+/-0.091 χ^2/NDF: 1034033.5/11



Right In: -63.681+/-343.287 χ^2/NDF: 35.3/30

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -132.528+/-311.887 χ^2/NDF: 44.0/33

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

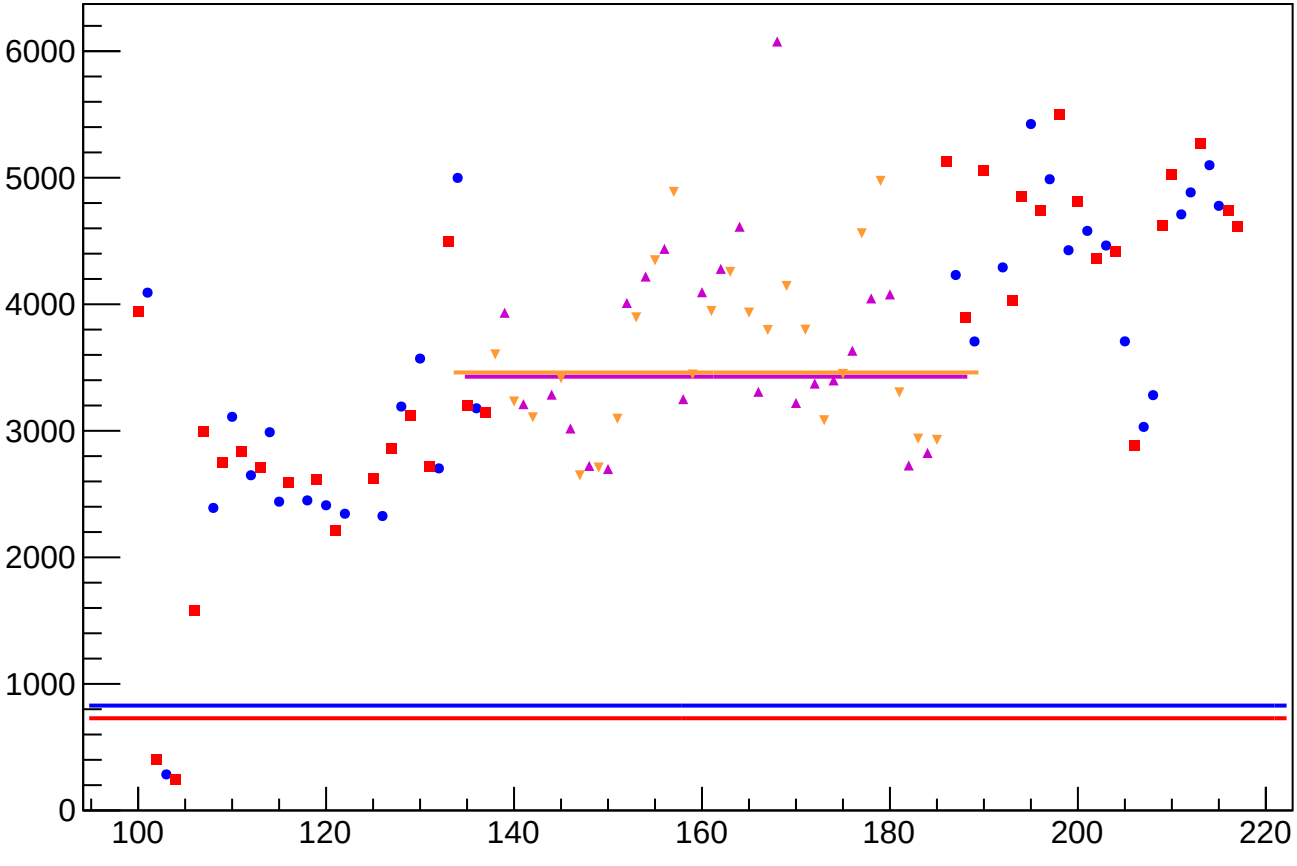
Right: -101.397+/-230.842 χ^2/NDF: 79.3/64

In: -39.920+/-316.497 χ^2/NDF:49.0/53

Out: -80.762+/-291.536 χ^2/NDF:74.1/57

All: -62.015+/-214.429 χ^2/NDF: 123.0/111

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 828.757+/-0.243 χ^2/NDF: 26469173.2/30

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 728.646+/-0.221 χ^2/NDF: 28384775.4/33

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

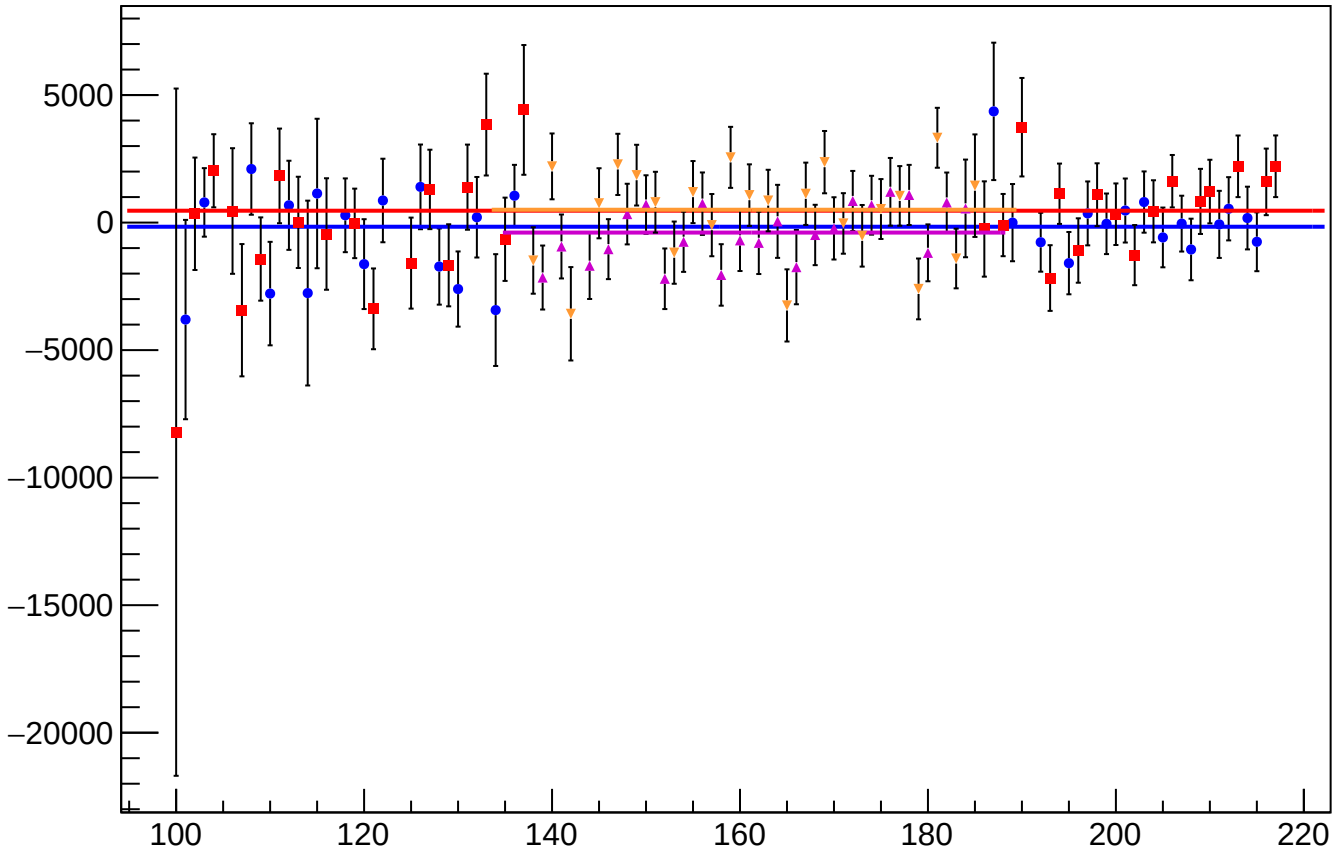
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 773.915+/-0.163 χ^2/NDF: 54947125.2/64

In: 1218.593+/-0.224 χ^2/NDF:44908042.9/53

Out: 1073.634+/-0.206 χ^2/NDF:48826233.6/57

All: 1140.172+/-0.152 χ^2/NDF: 93961245.8/1



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: 465.623+/-254.334 χ^2/NDF: 39.8/33

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

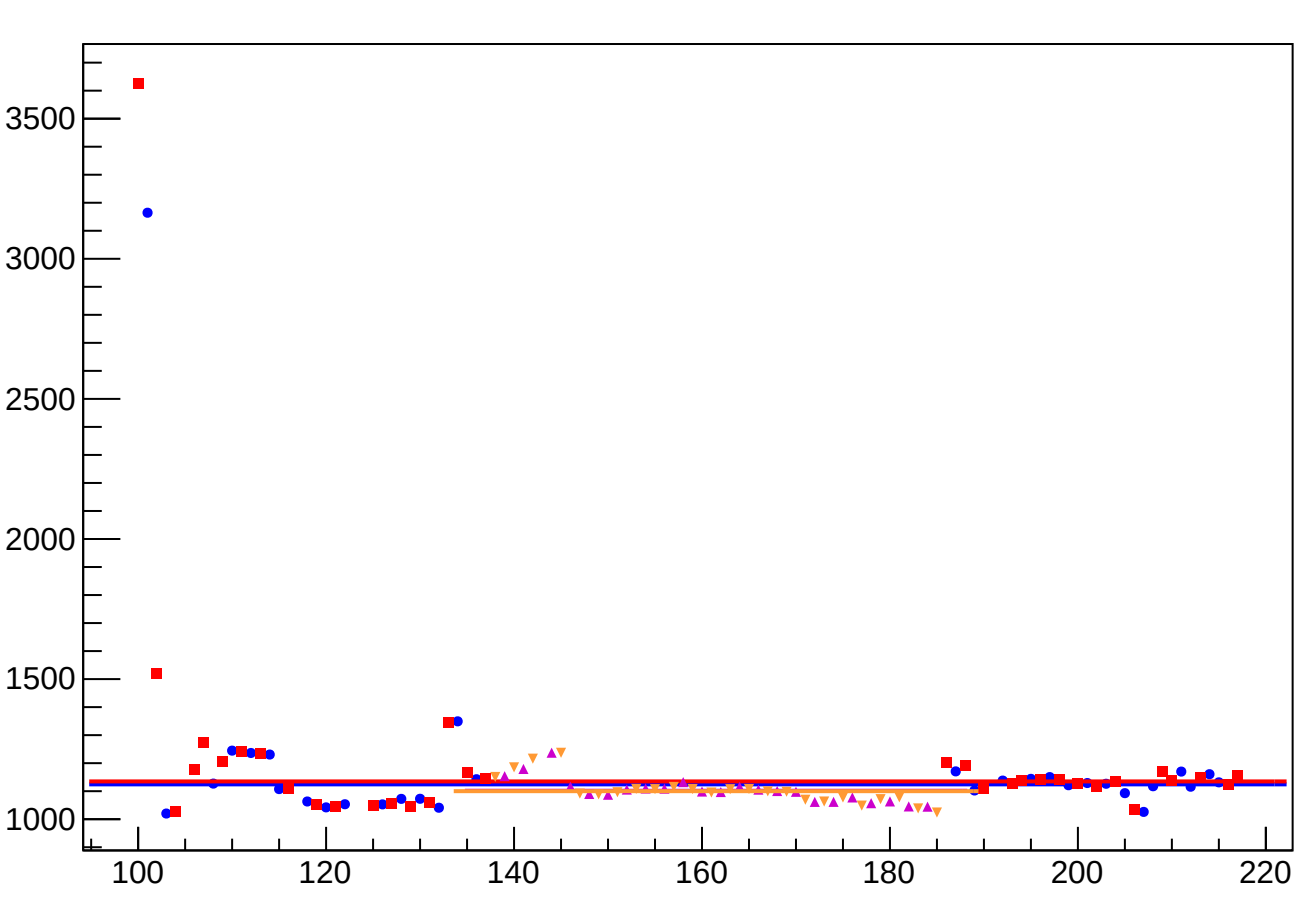
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 156.332+/-181.217 χ^2/NDF: 64.5/64

In: -277.541+/-182.311 χ^2/NDF:39.9/53

Out: 484.562+/-180.263 χ^2/NDF:84.4/57

All: 107.816+/-128.183 χ^2/NDF: 133.1/111



Right In: 1124.336+/-0.183 χ^2/NDF: 646179.0/30

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.883+/-0.180 χ^2/NDF: 250817.2/33

Left In: 1101.530+/-0.182 χ^2/NDF:52141.9/22

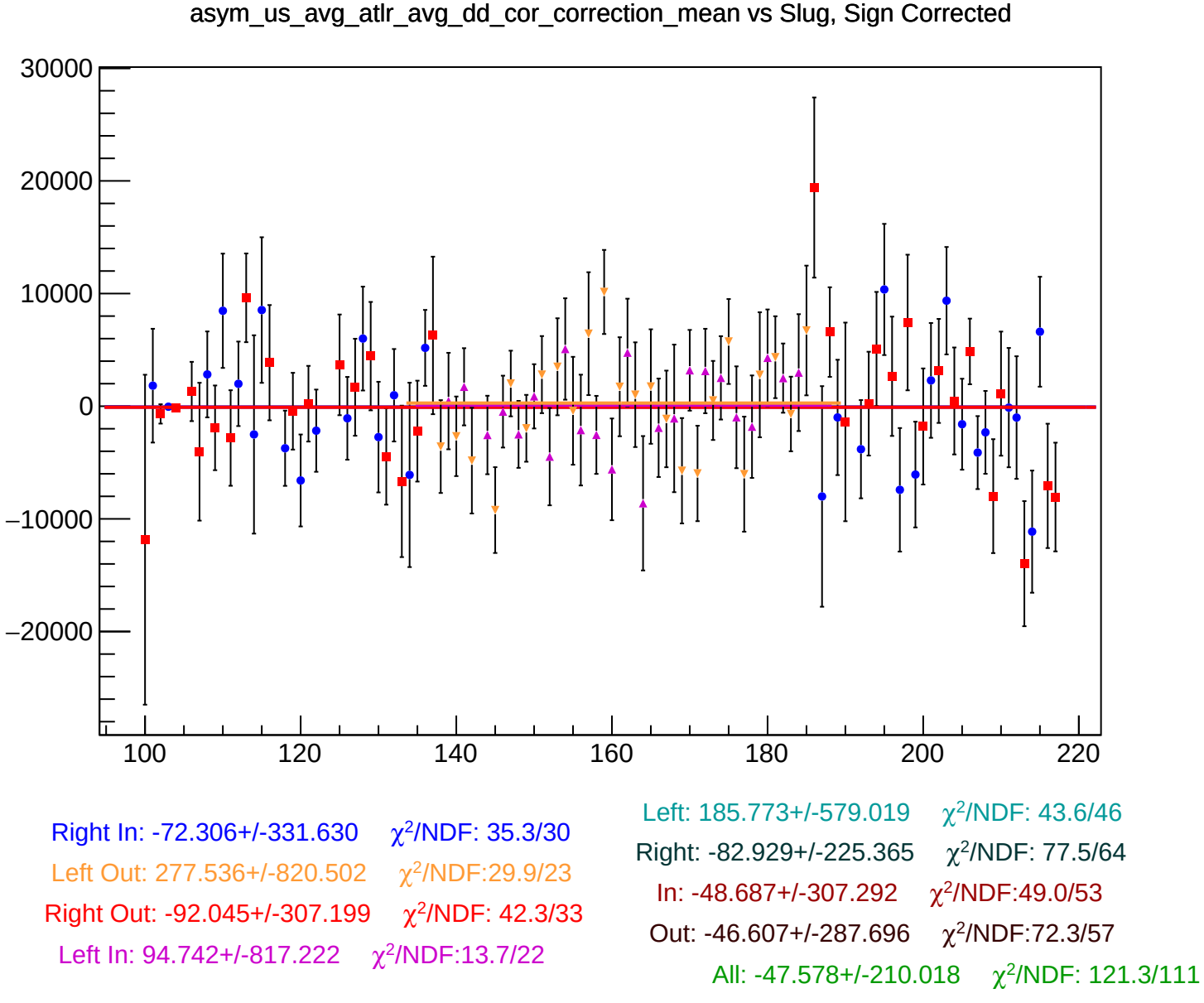
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

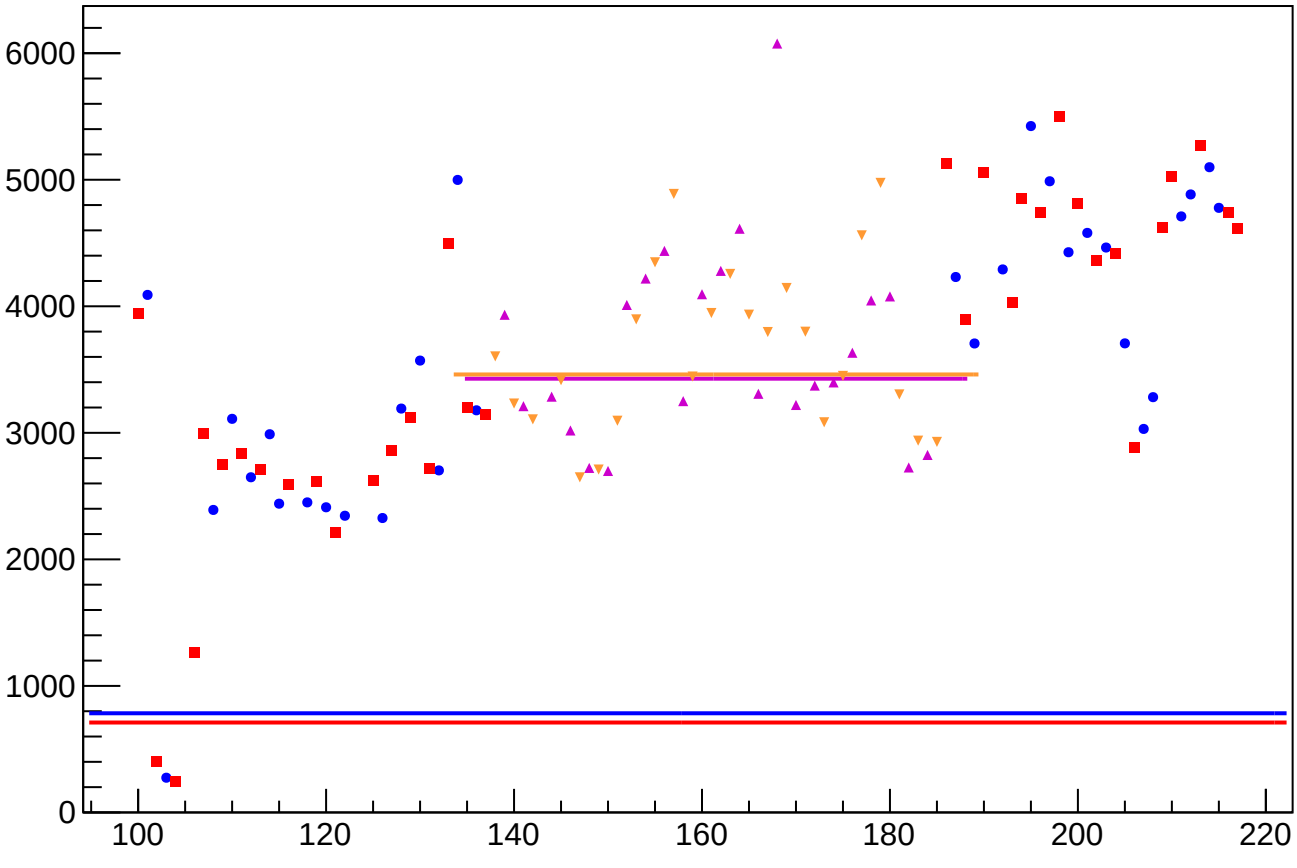
Right: 1129.692+/-0.128 χ^2/NDF: 898689.9/64

In: 1112.894+/-0.129 χ^2/NDF:706149.2/53

Out: 1117.558+/-0.127 χ^2/NDF:328209.9/57

All: 1115.253+/-0.091 χ^2/NDF: 1035021.2/11


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -72.306+/-331.630 χ²/NDF: 35.3/30
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -92.045+/-307.199 χ²/NDF: 42.3/33
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -82.929+/-225.365 χ²/NDF: 77.5/64
In: -48.687+/-307.292 χ²/NDF:49.0/53
Out: -46.607+/-287.696 χ²/NDF:72.3/57
All: -47.578+/-210.018 χ²/NDF: 121.3/111



Right In: 783.789+/-0.234 χ^2/NDF: 26964300.7/30

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 710.717+/-0.217 χ^2/NDF: 28453881.9/33

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

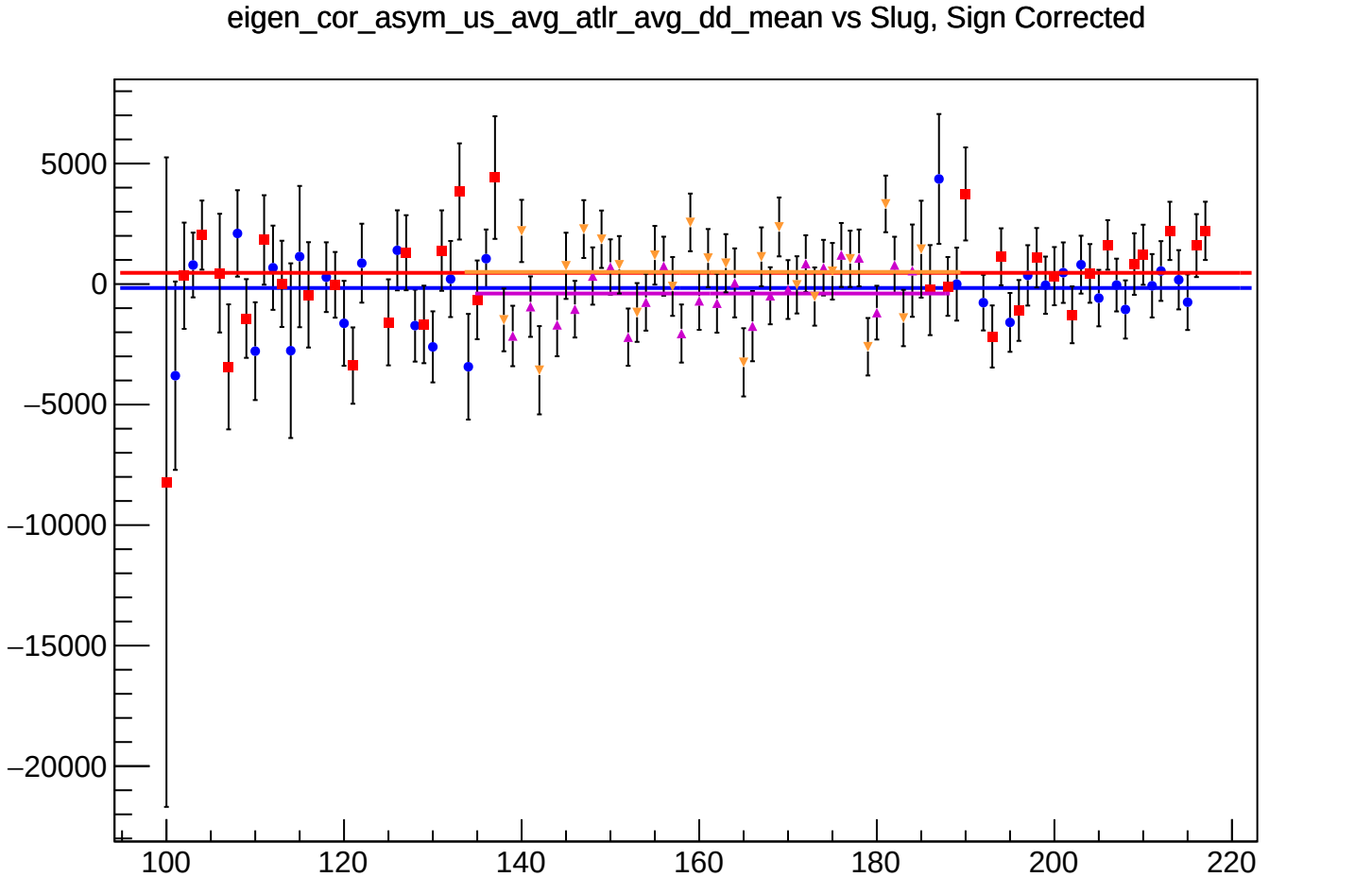
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 744.463+/-0.159 χ^2/NDF: 55470441.0/64

In: 1157.637+/-0.217 χ^2/NDF:46183322.4/53

Out: 1048.880+/-0.203 χ^2/NDF:49224793.8/57

All: 1099.681+/-0.149 χ^2/NDF: 95541619.0/1



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: 465.623+/-254.334 χ^2/NDF: 39.8/33

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

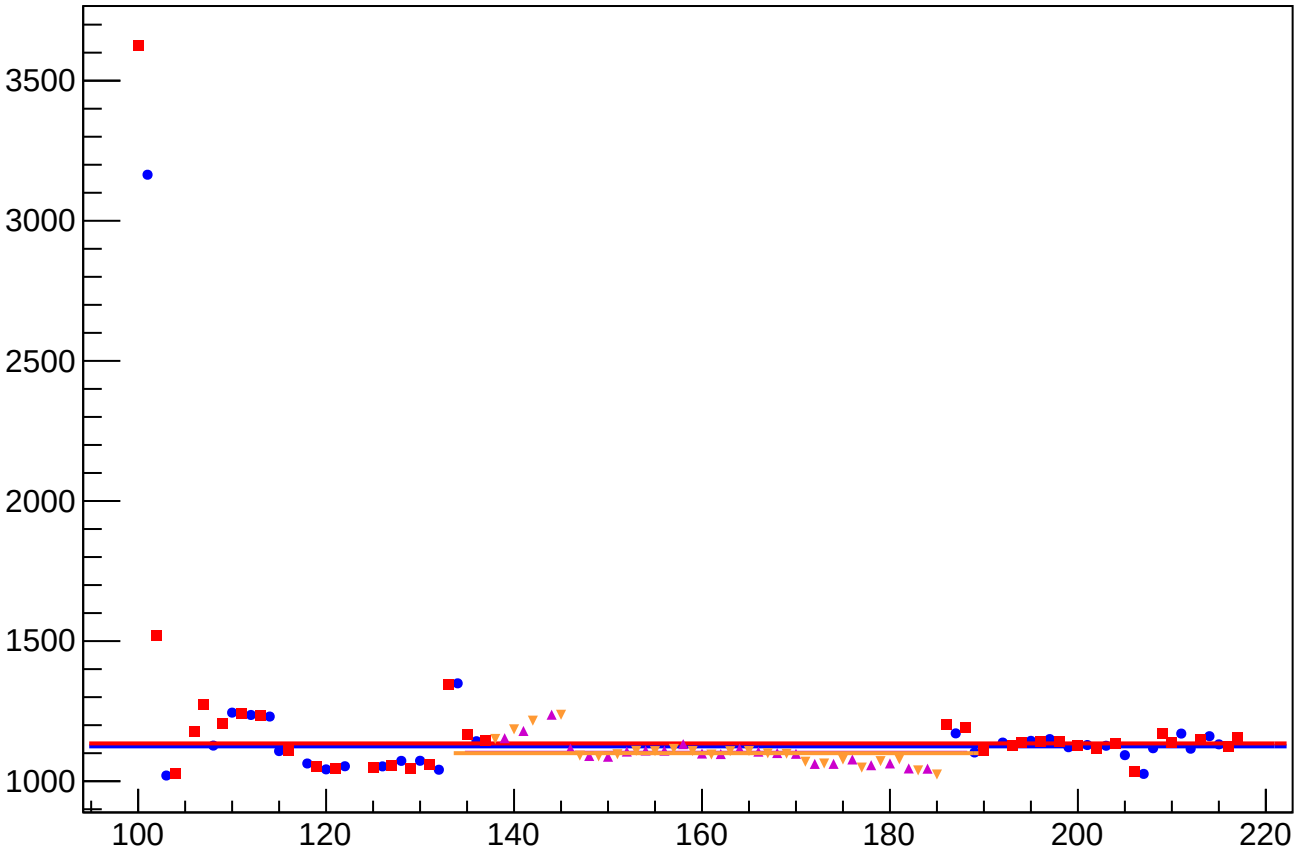
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 156.332+/-181.217 χ^2/NDF: 64.5/64

In: -277.541+/-182.311 χ^2/NDF:39.9/53

Out: 484.562+/-180.263 χ^2/NDF:84.4/57

All: 107.816+/-128.183 χ^2/NDF: 133.1/111



Right In: 1124.336+/-0.183 χ^2/NDF: 646179.0/30

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.883+/-0.180 χ^2/NDF: 250817.2/33

Left In: 1101.530+/-0.182 χ^2/NDF:52141.9/22

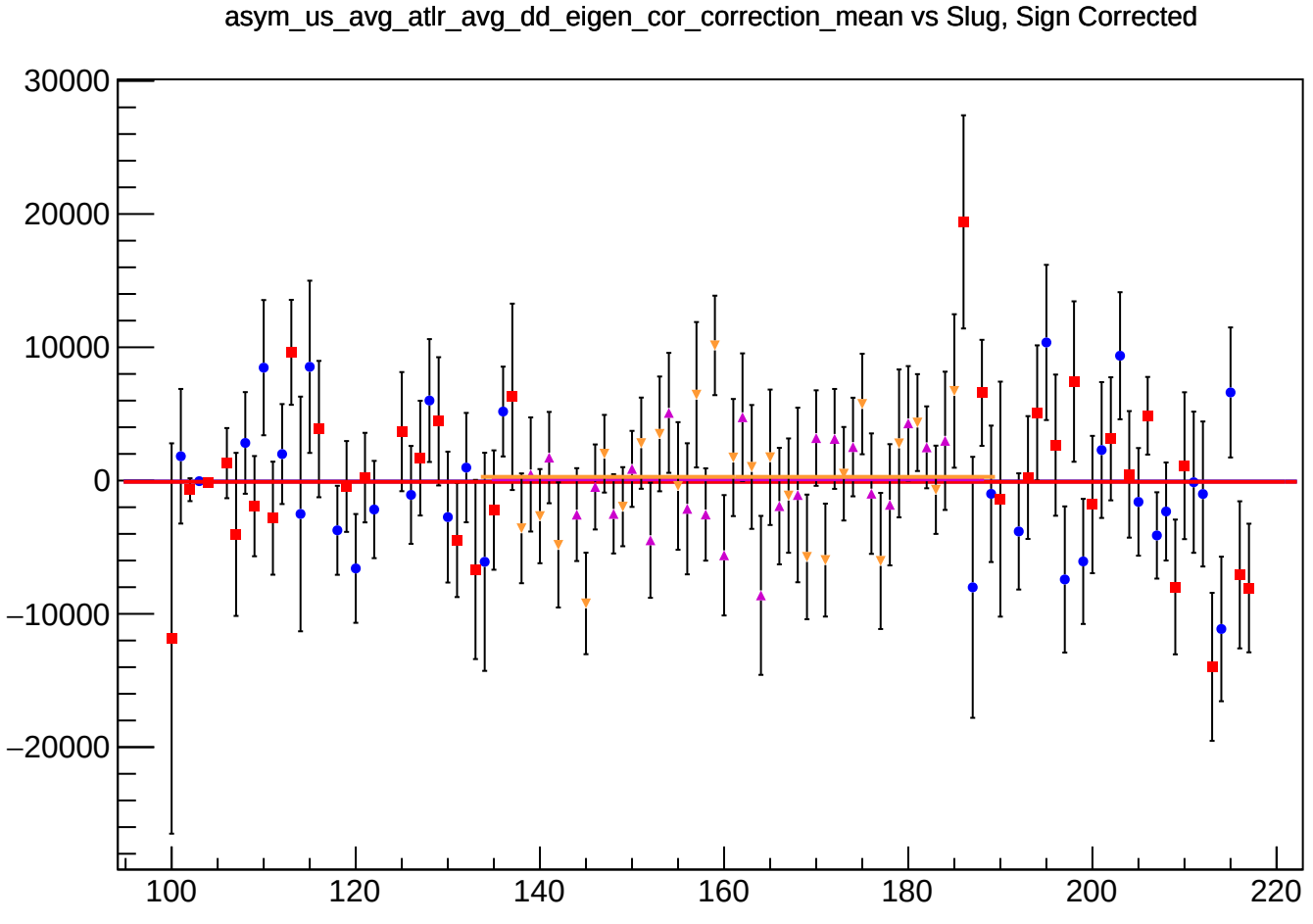
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1129.692+/-0.128 χ^2/NDF: 898689.9/64

In: 1112.894+/-0.129 χ^2/NDF:706149.2/53

Out: 1117.558+/-0.127 χ^2/NDF:328209.9/57

All: 1115.253+/-0.091 χ^2/NDF: 1035021.2/11



Right In: -72.306+/-331.630 χ^2/NDF: 35.3/30

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -92.045+/-307.199 χ^2/NDF: 42.3/33

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

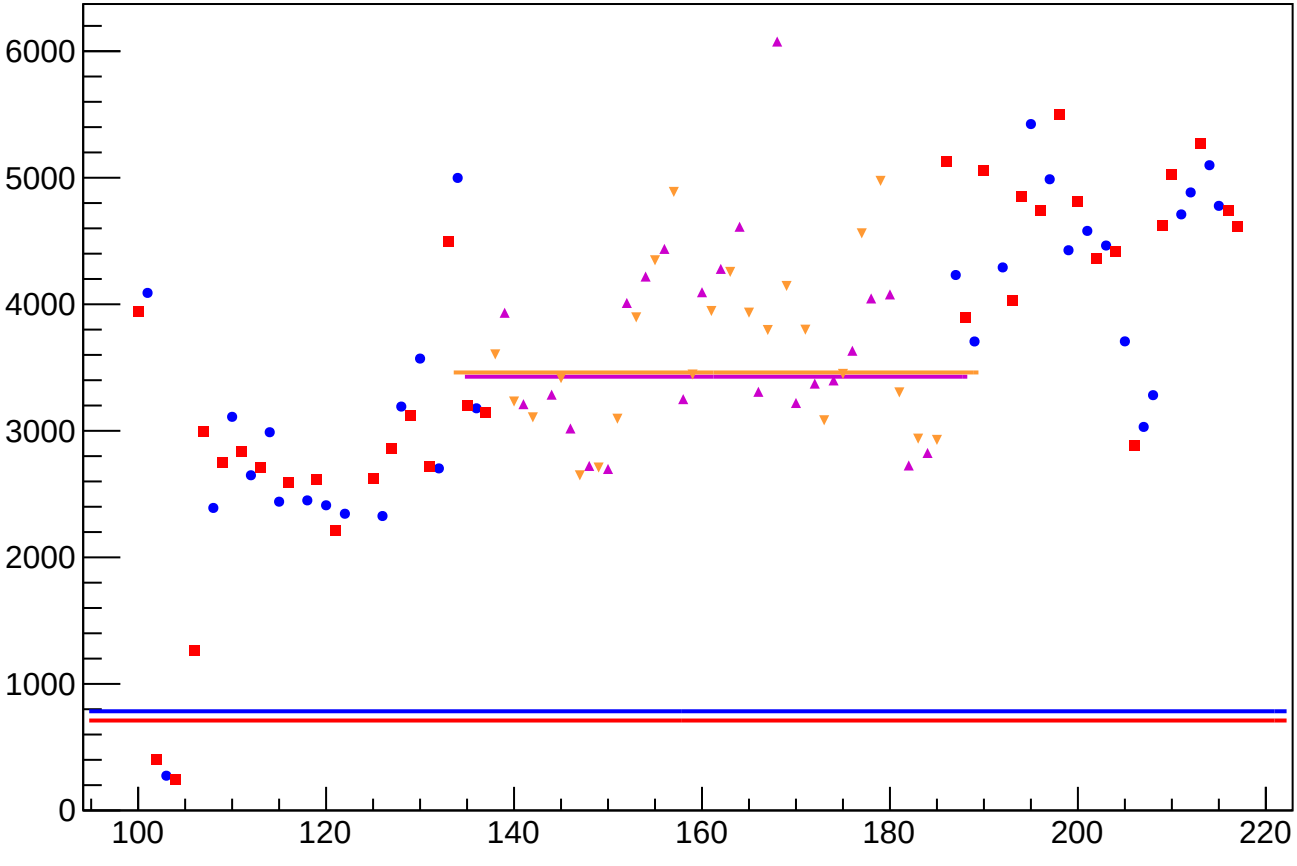
Right: -82.929+/-225.365 χ^2/NDF: 77.5/64

In: -48.687+/-307.292 χ^2/NDF:49.0/53

Out: -46.607+/-287.696 χ^2/NDF:72.3/57

All: -47.578+/-210.018 χ^2/NDF: 121.3/111

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 783.789+/-0.234 χ^2/NDF: 26964300.7/30

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 710.717+/-0.217 χ^2/NDF: 28453881.9/33

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

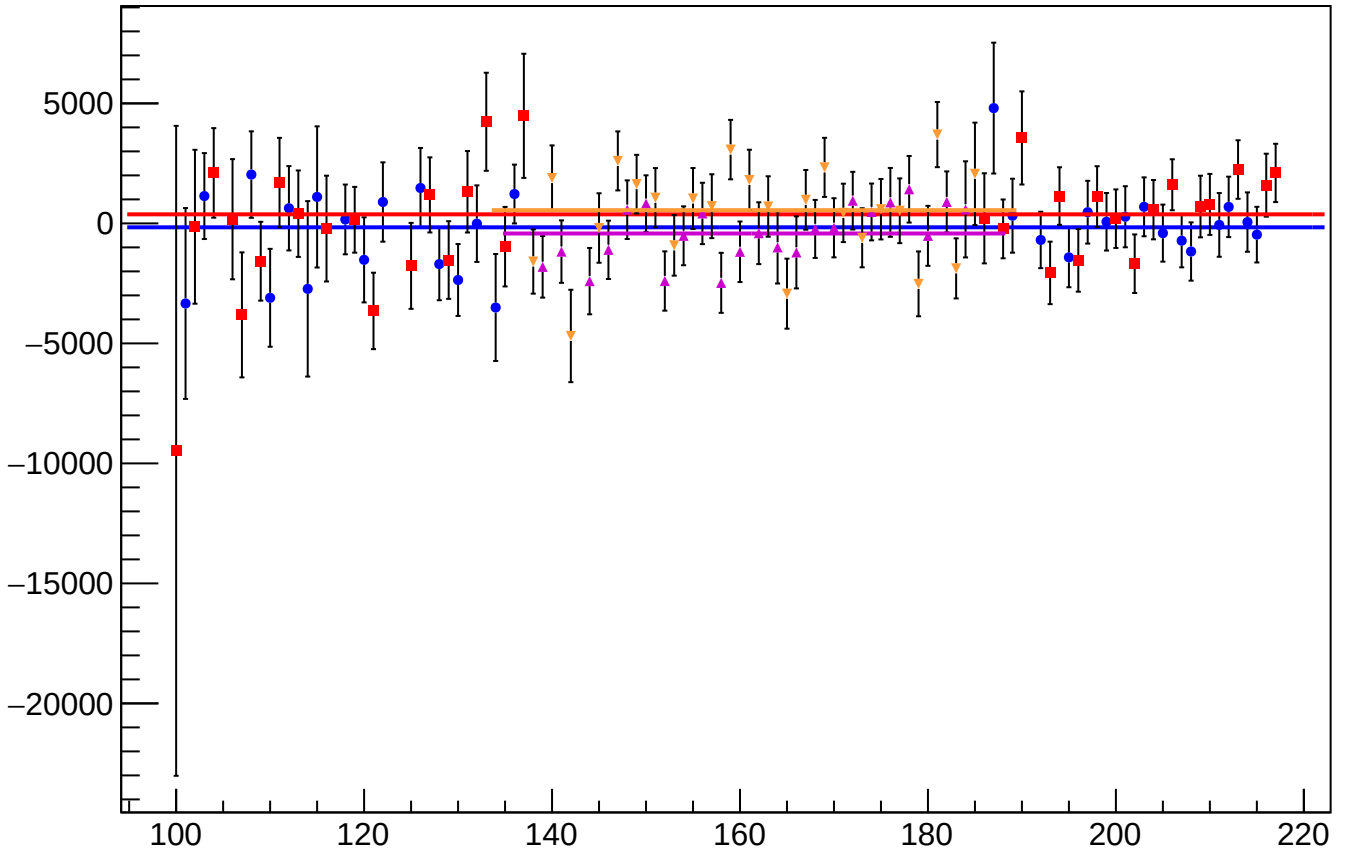
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 744.463+/-0.159 χ^2/NDF: 55470441.0/64

In: 1157.637+/-0.217 χ^2/NDF:46183322.4/53

Out: 1048.880+/-0.203 χ^2/NDF:49224793.8/57

All: 1099.681+/-0.149 χ^2/NDF: 95541619.0/1



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: 377.633+/-260.333 χ^2/NDF: 41.5/33

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

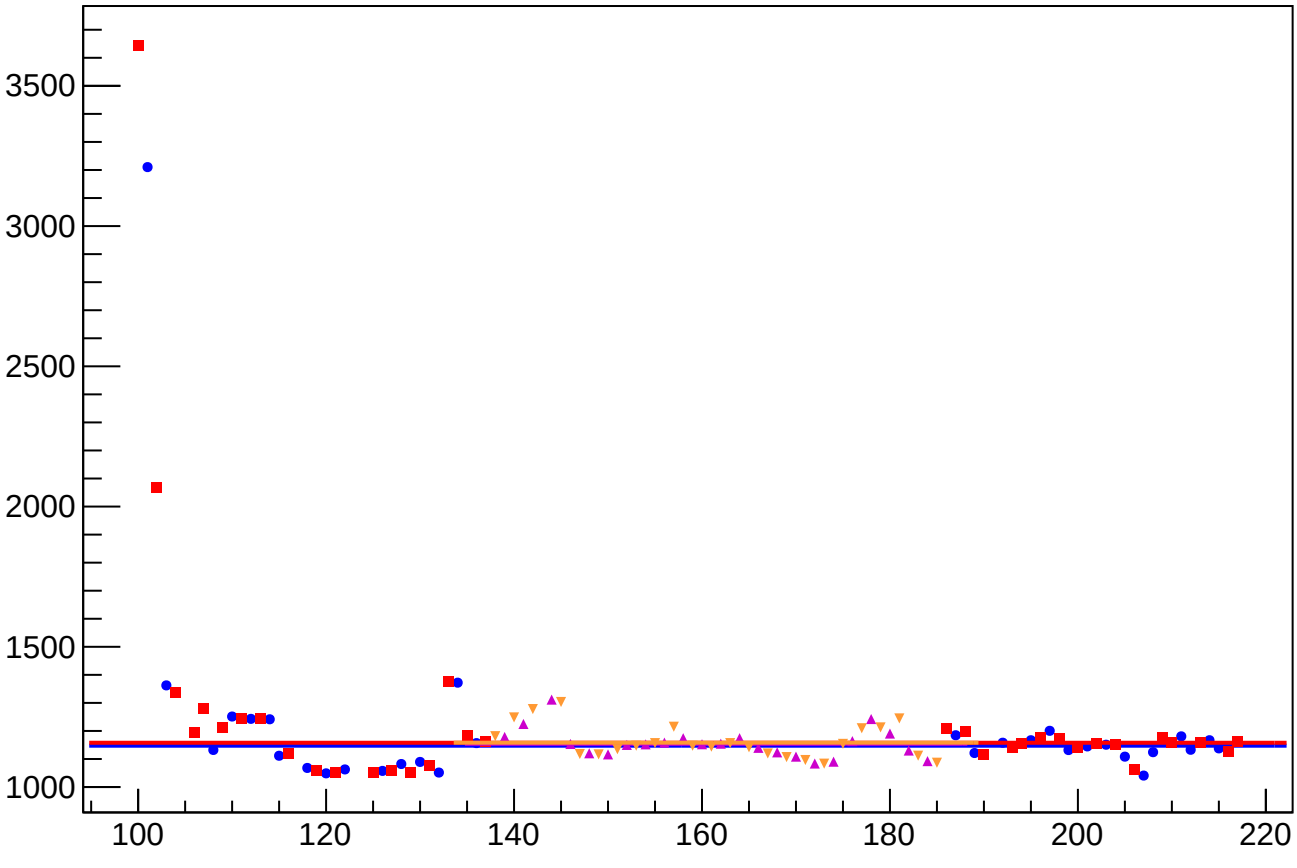
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: 110.641+/-185.252 χ^2/NDF: 65.1/64

In: -289.165+/-188.578 χ^2/NDF:39.8/53

Out: 461.248+/-187.141 χ^2/NDF:87.0/57

All: 88.912+/-132.834 χ^2/NDF: 134.8/111



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: 1157.904+/-0.184 χ^2/NDF: 357128.9/33

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

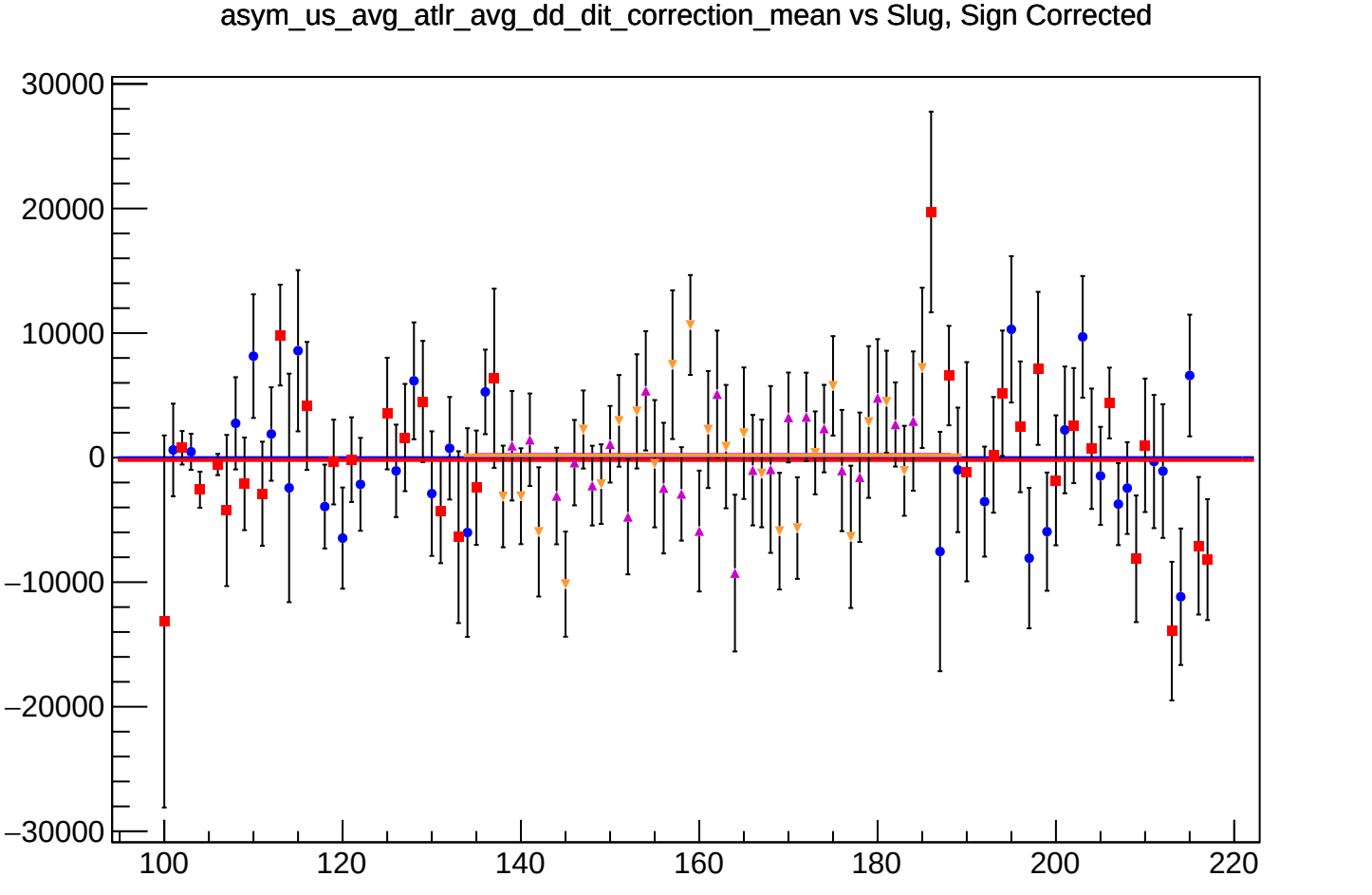
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1152.714+/-0.131 χ^2/NDF: 1025239.9/64

In: 1150.731+/-0.133 χ^2/NDF:733634.9/53

Out: 1158.036+/-0.132 χ^2/NDF:441241.7/57

All: 1154.411+/-0.094 χ^2/NDF: 1176388.7/11



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: -194.219+/-513.401 χ^2/NDF: 44.6/33

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

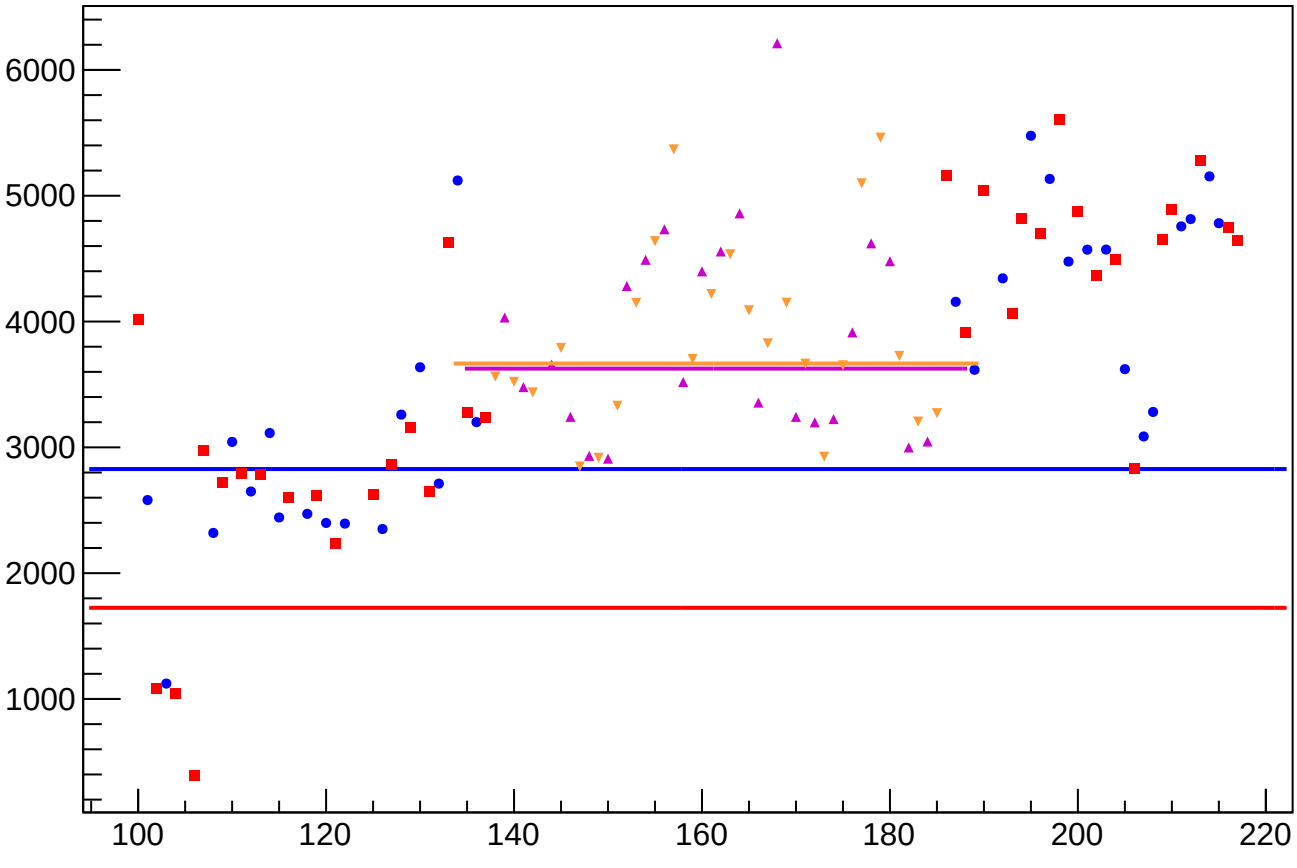
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

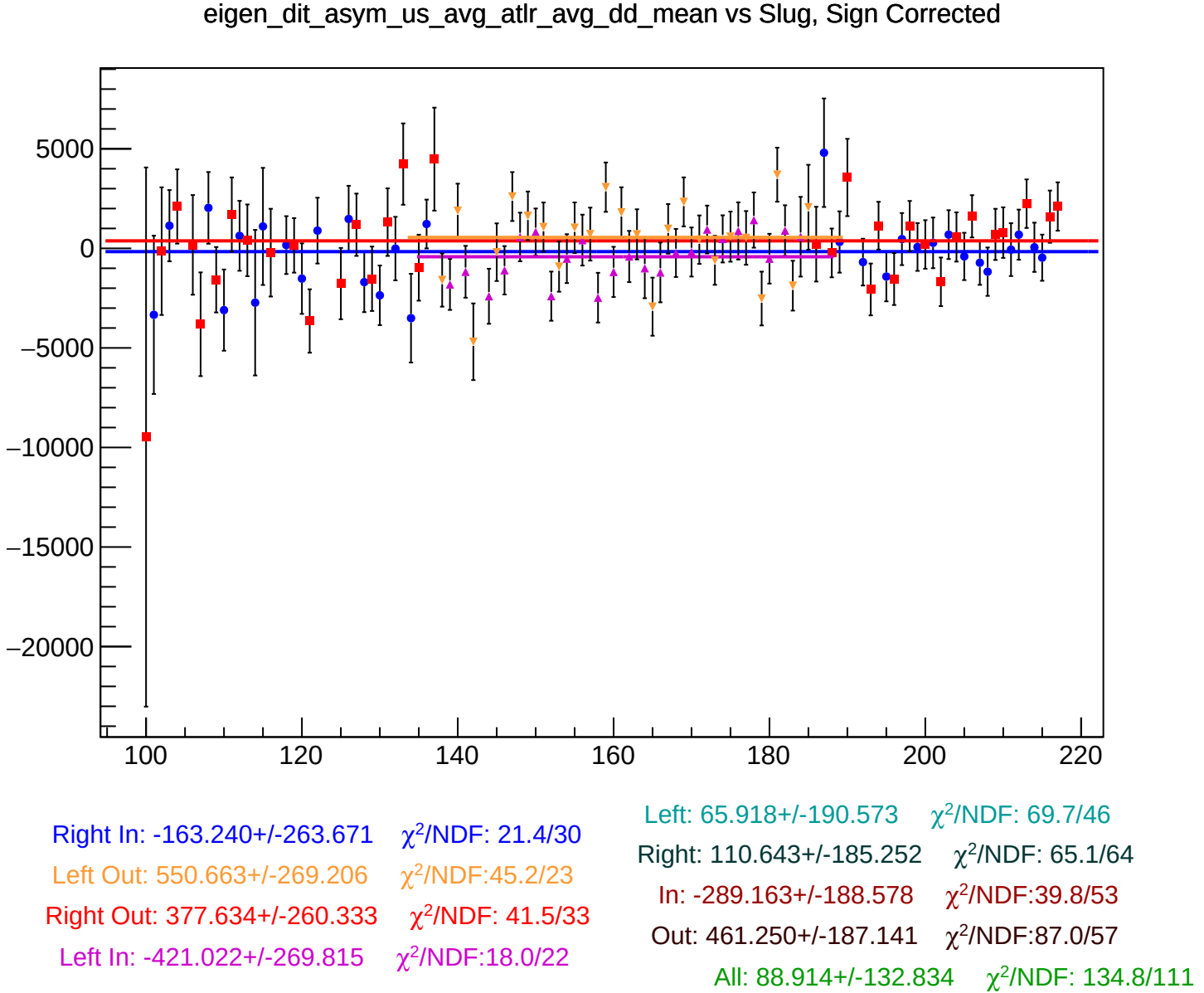
Right: -139.825+/-416.473 χ^2/NDF: 79.4/64

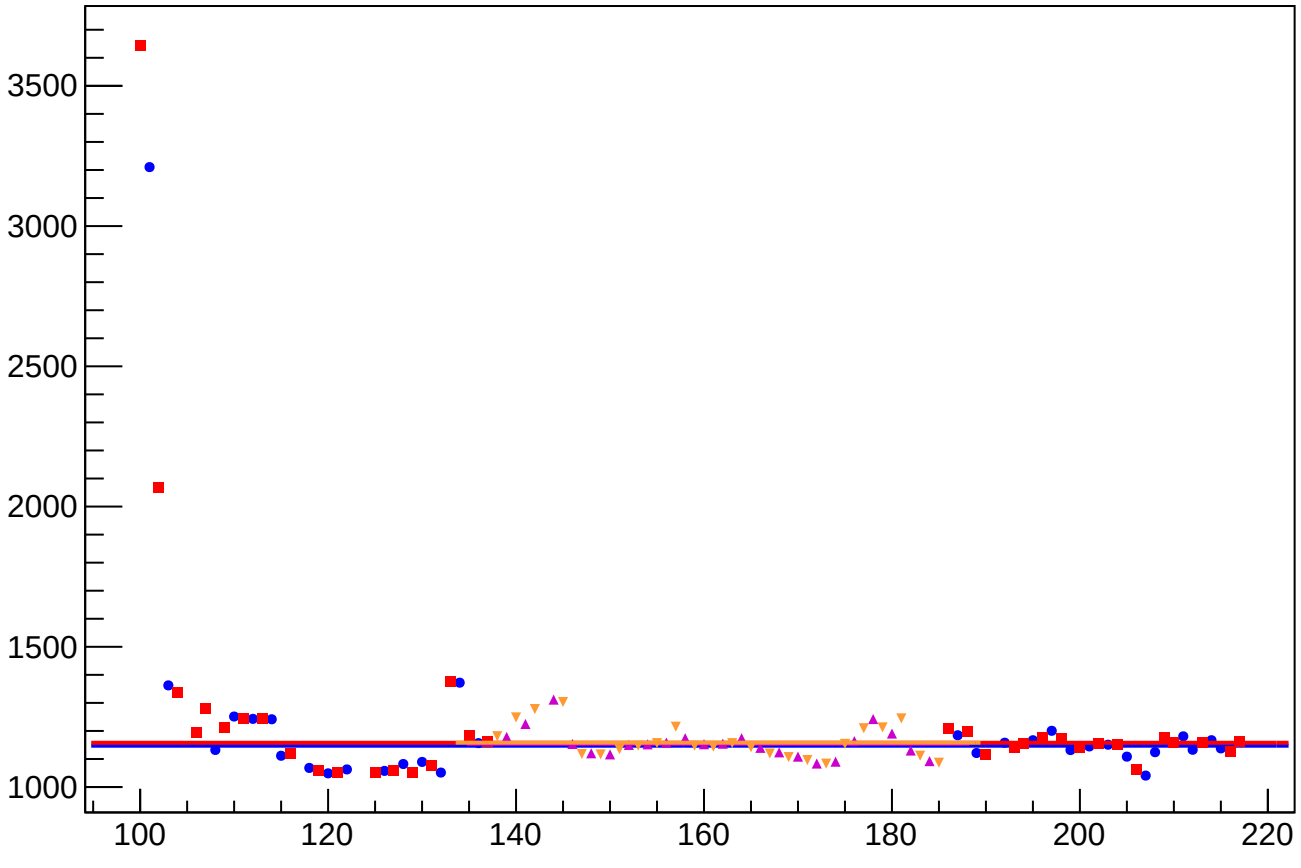
In: 68.520+/-549.763 χ^2/NDF:48.2/53

Out: -94.951+/-442.080 χ^2/NDF:74.0/57

All: -30.757+/-344.511 χ^2/NDF: 122.3/111


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: 1724.562+/-0.363 χ²/NDF: 17522776.1/33
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 2101.720+/-0.294 χ²/NDF: 27003579.6/64
In: 3150.210+/-0.389 χ²/NDF:8598045.0/53
Out: 2226.641+/-0.313 χ²/NDF:26016916.6/57
All: 2589.323+/-0.244 χ²/NDF: 38042828.8/1


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -163.240+/-263.671 χ²/NDF: 21.4/30
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 377.634+/-260.333 χ²/NDF: 41.5/33
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: 110.643+/-185.252 χ²/NDF: 65.1/64
In: -289.163+/-188.578 χ²/NDF:39.8/53
Out: 461.250+/-187.141 χ²/NDF:87.0/57
All: 88.914+/-132.834 χ²/NDF: 134.8/111



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: 1157.904+/-0.184 χ^2/NDF: 357128.7/33

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

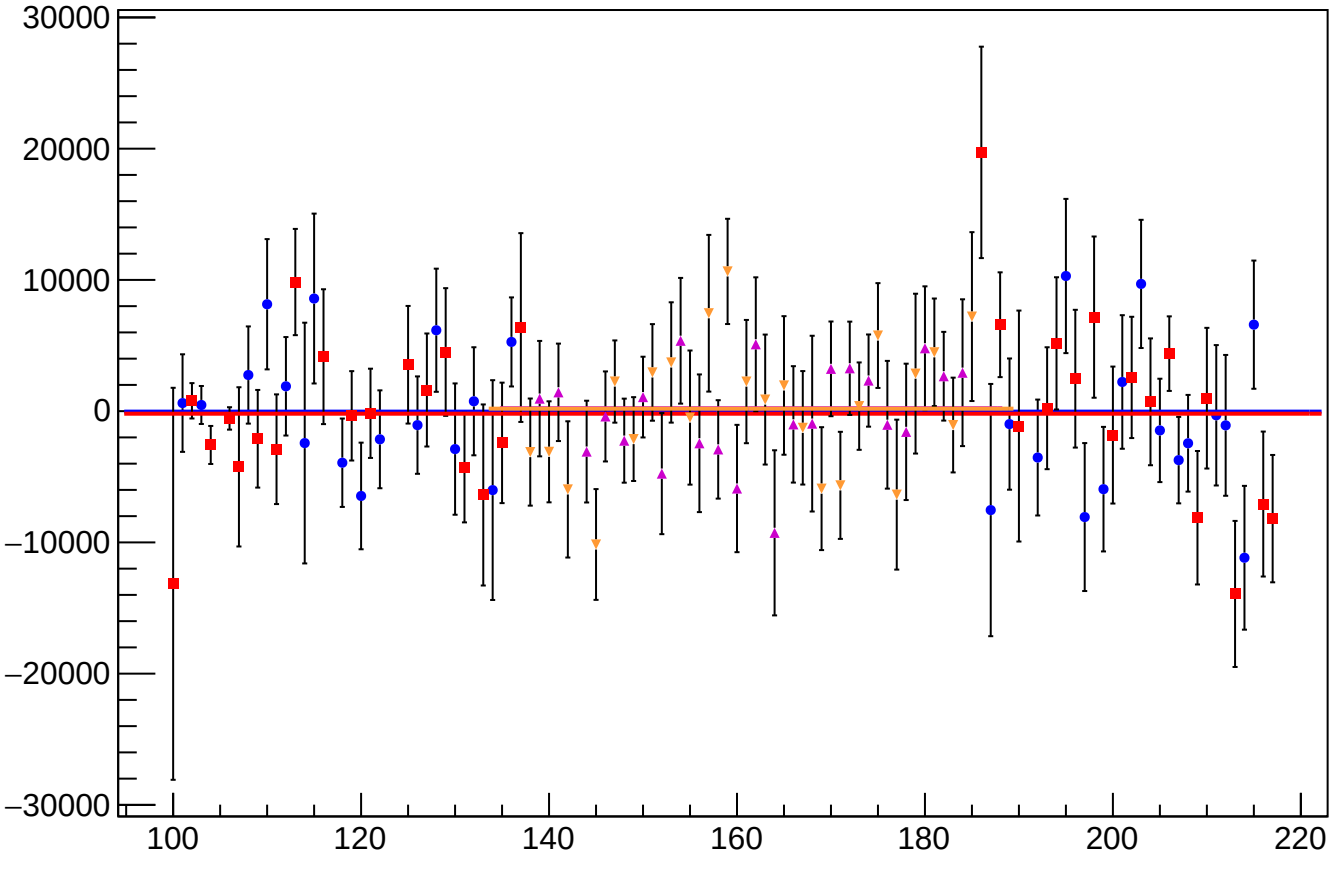
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1152.714+/-0.131 χ^2/NDF: 1025240.1/64

In: 1150.731+/-0.133 χ^2/NDF:733638.1/53

Out: 1158.036+/-0.132 χ^2/NDF:441244.0/57

All: 1154.412+/-0.094 χ^2/NDF: 1176394.2/11



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: -194.224+/-513.396 χ^2/NDF: 44.6/33

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

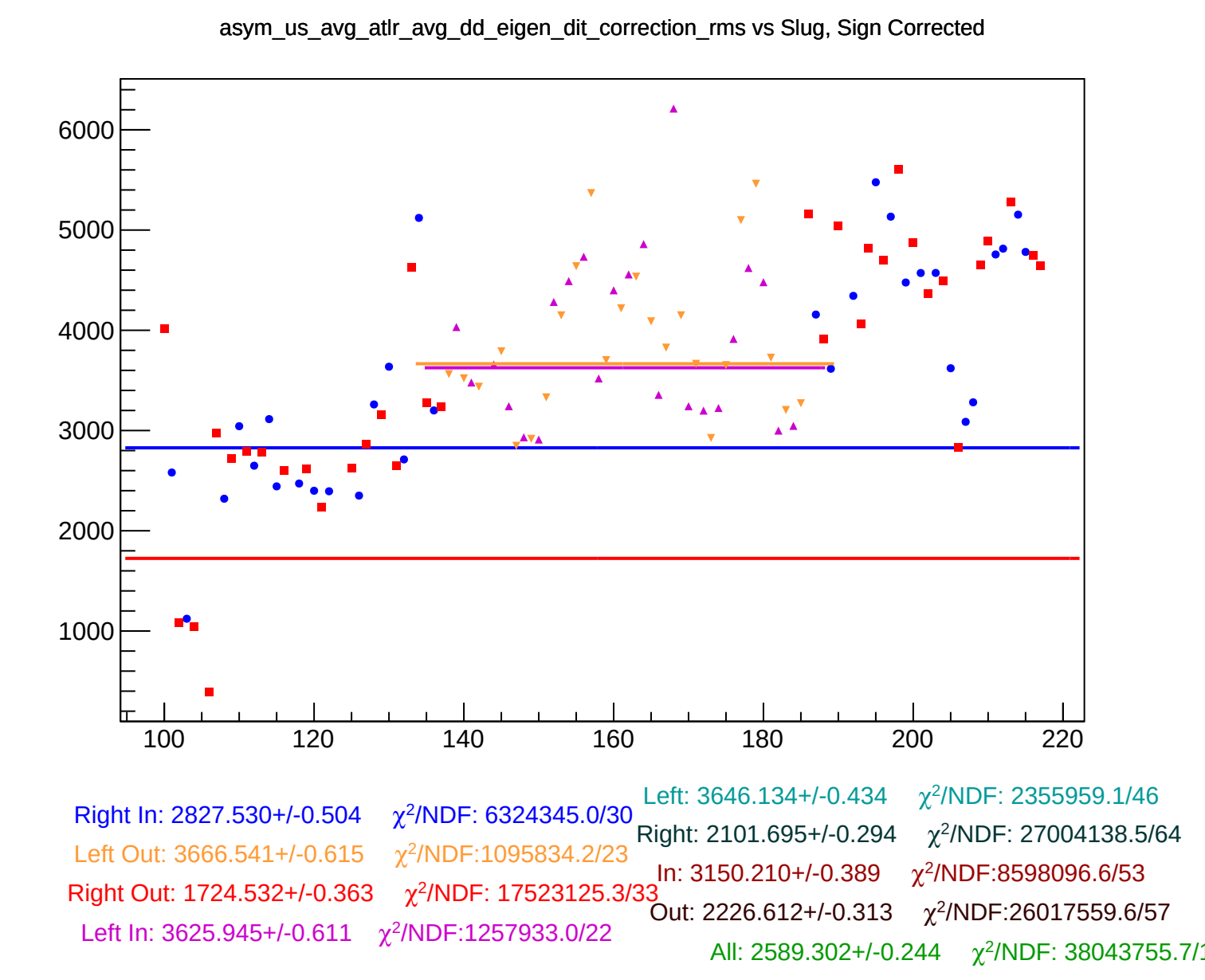
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

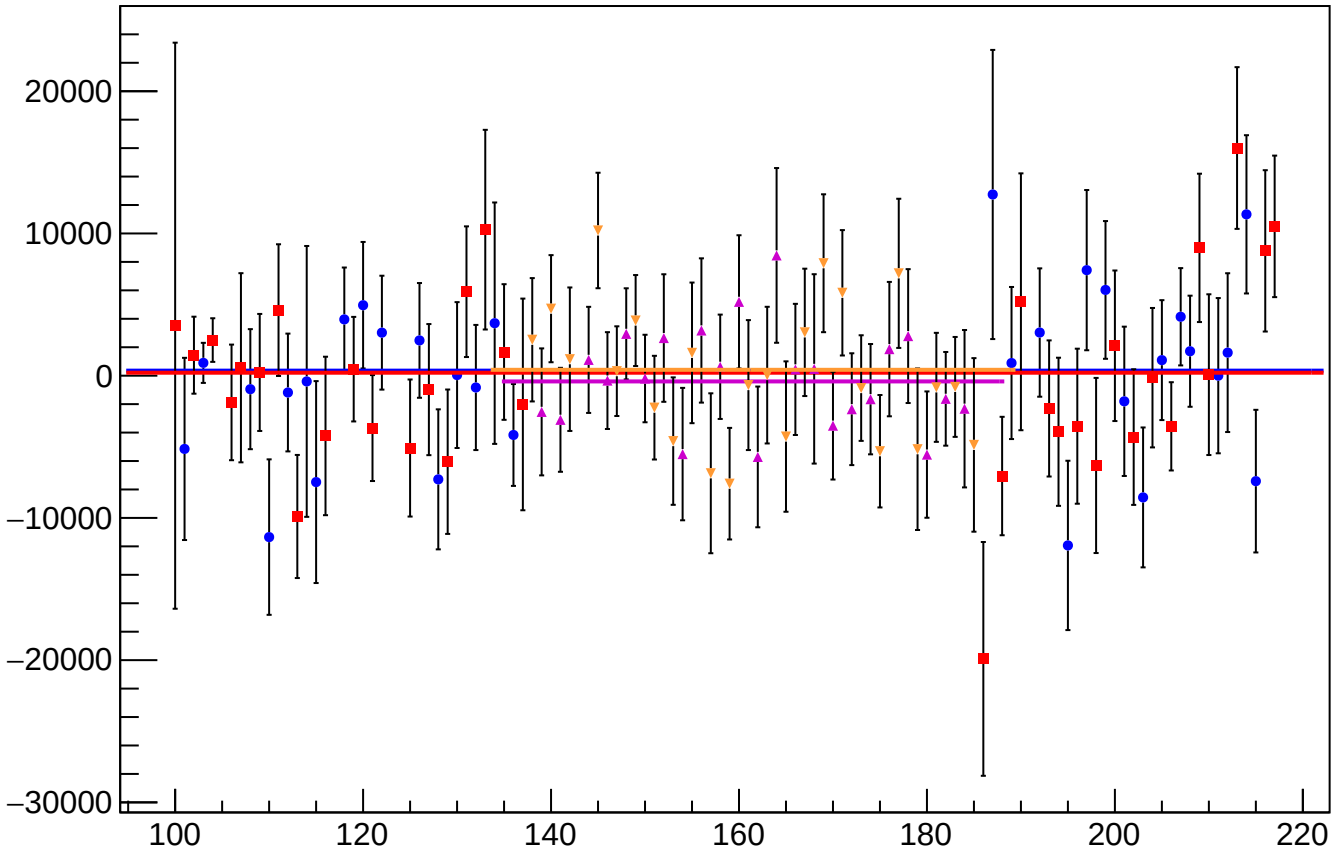
Right: -139.830+/-416.470 χ^2/NDF: 79.4/64

In: 68.519+/-549.763 χ^2/NDF:48.2/53

Out: -94.957+/-442.077 χ^2/NDF:74.0/57

All: -30.761+/-344.510 χ^2/NDF: 122.3/111


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: 1724.532+/-0.363 χ²/NDF: 17523125.3/33
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 2101.695+/-0.294 χ²/NDF: 27004138.5/64
In: 3150.210+/-0.389 χ²/NDF:8598096.6/53
Out: 2226.612+/-0.313 χ²/NDF:26017559.6/57
All: 2589.302+/-0.244 χ²/NDF: 38043755.7/



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: 209.479+/-732.330 χ^2/NDF: 48.9/33

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

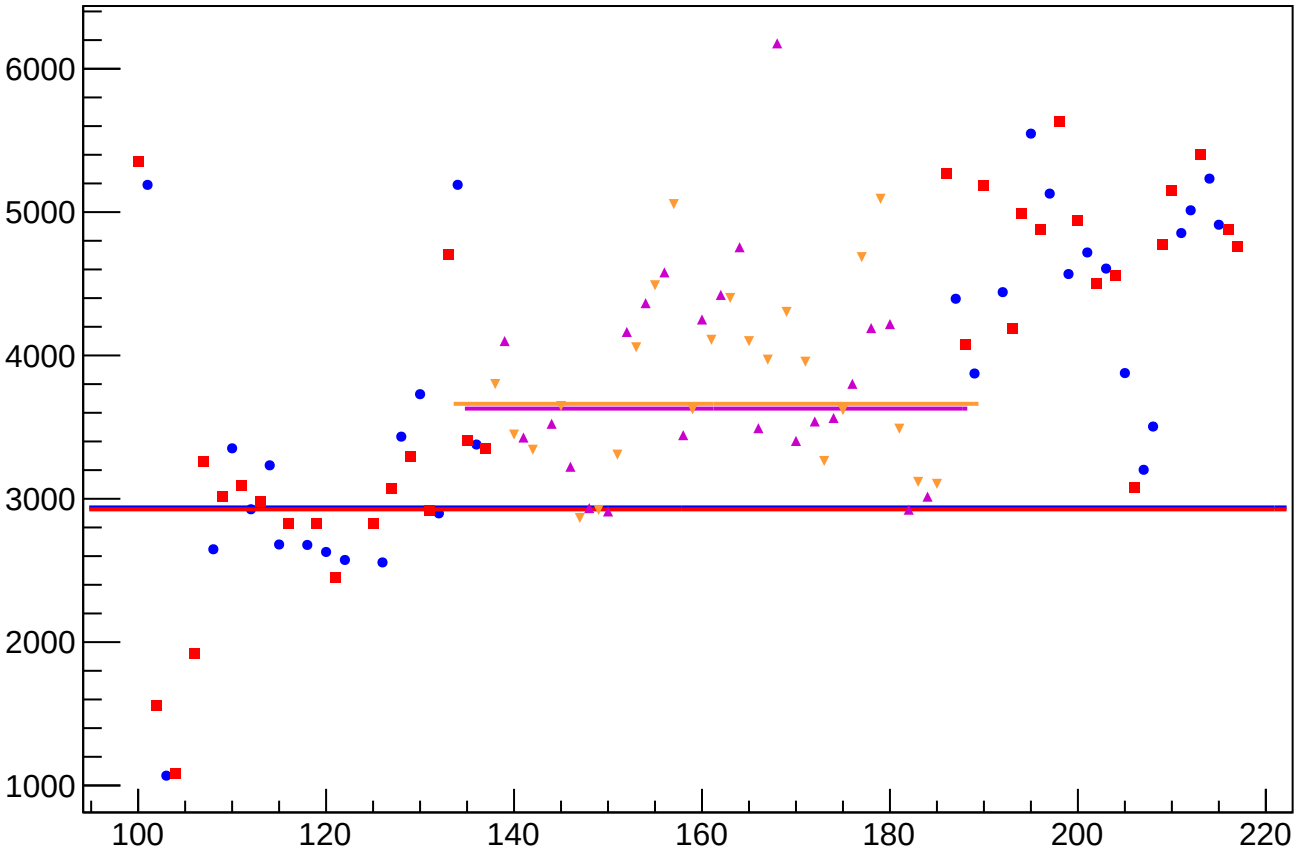
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 280.689+/-522.492 χ^2/NDF: 83.1/64

In: 30.237+/-564.074 χ^2/NDF:46.9/53

Out: 294.620+/-559.010 χ^2/NDF:76.1/57

All: 163.621+/-397.058 χ^2/NDF: 123.1/111



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: 2926.125+/-0.517 χ^2/NDF: 7498722.5/33

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

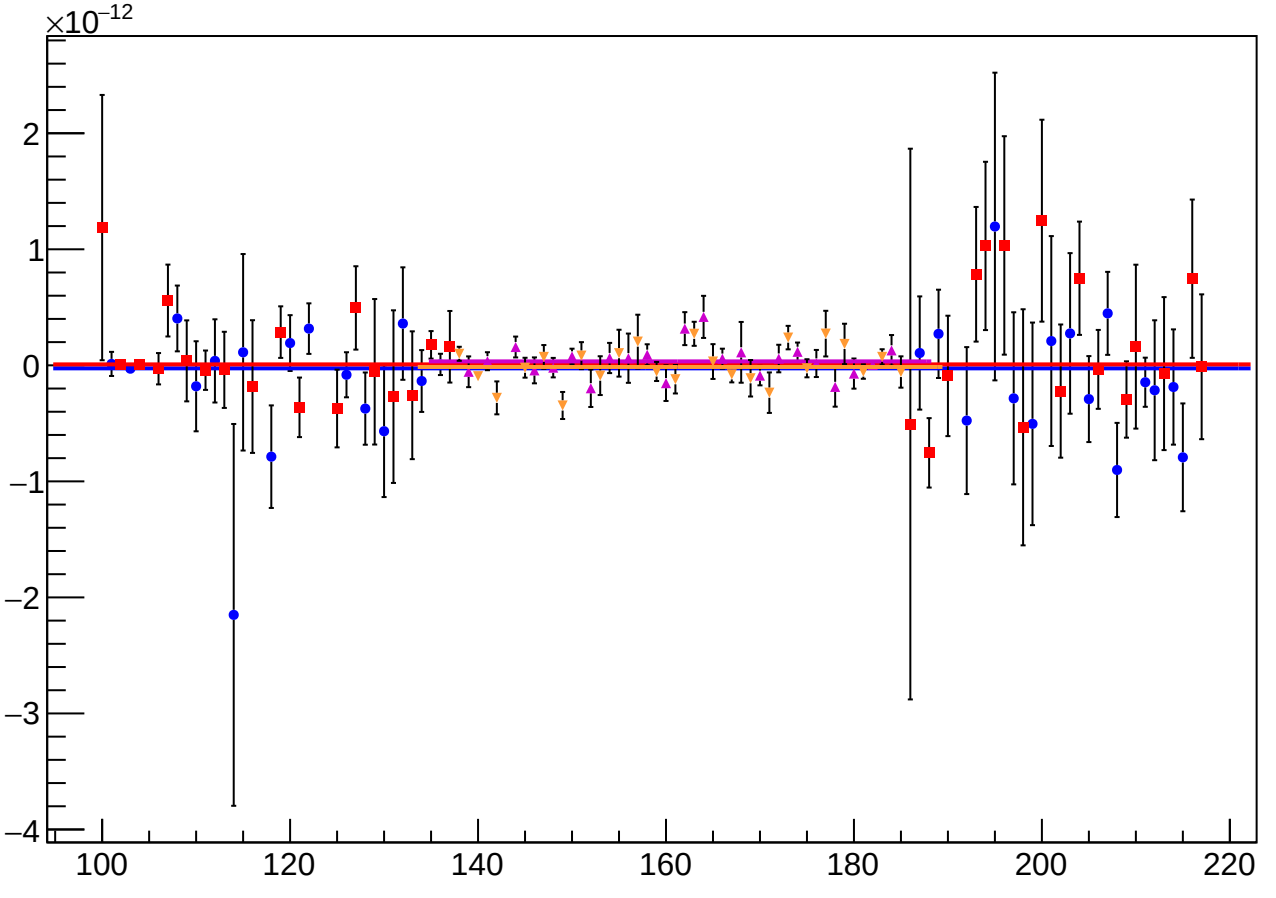
Right: 2932.795+/-0.369 χ^2/NDF: 14613157.0/64

In: 3234.663+/-0.399 χ^2/NDF:8900434.1/53

Out: 3232.928+/-0.395 χ^2/NDF:9237585.3/57

All: 3233.787+/-0.281 χ^2/NDF: 18138028.9/1

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/33

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

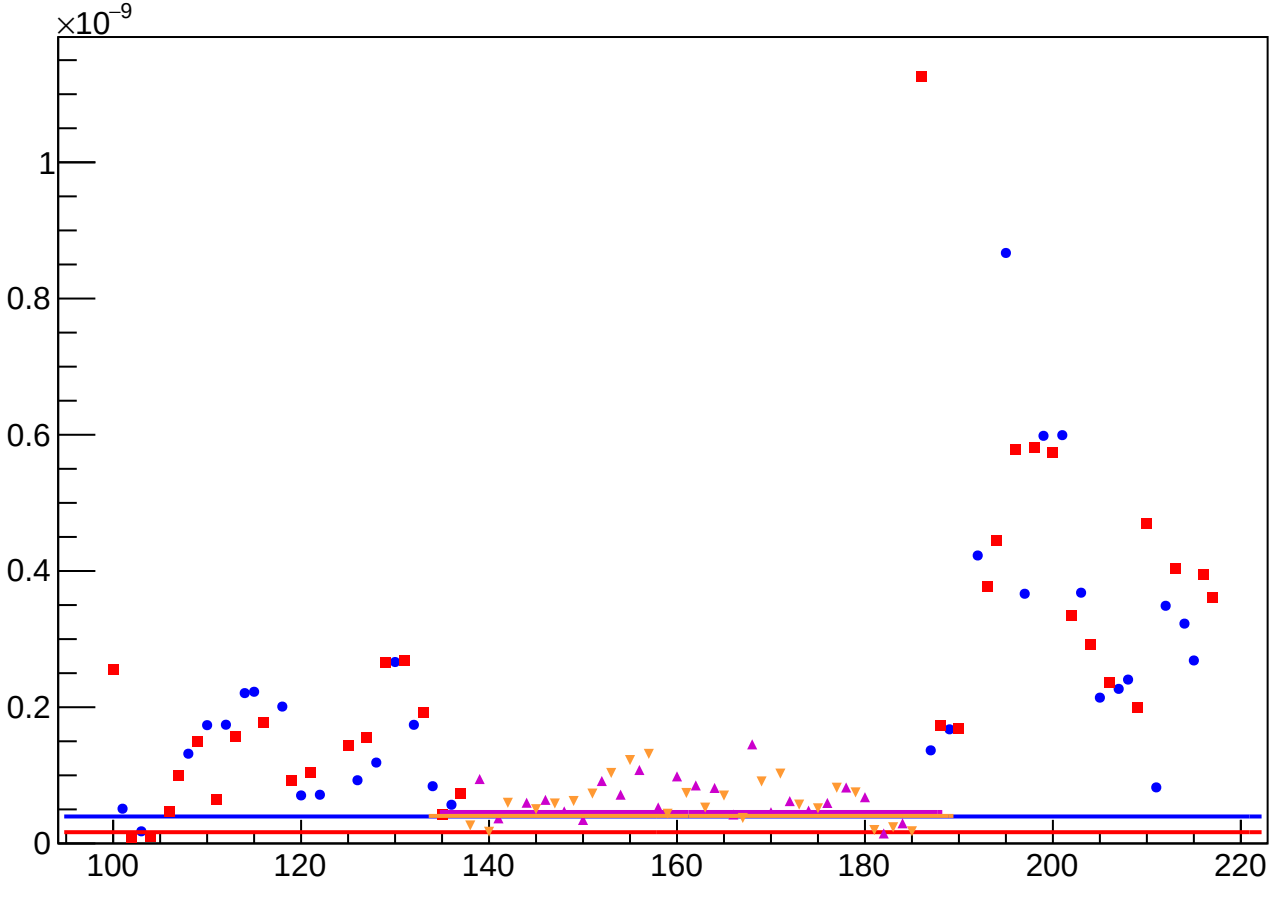
Right: -0.000+/-0.000 χ^2/NDF: 60.5/64

In: 0.000+/-0.000 χ^2/NDF:53.0/53

Out: -0.000+/-0.000 χ^2/NDF:78.6/57

All: 0.000+/-0.000 χ^2/NDF: 131.9/111

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: 13983225.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

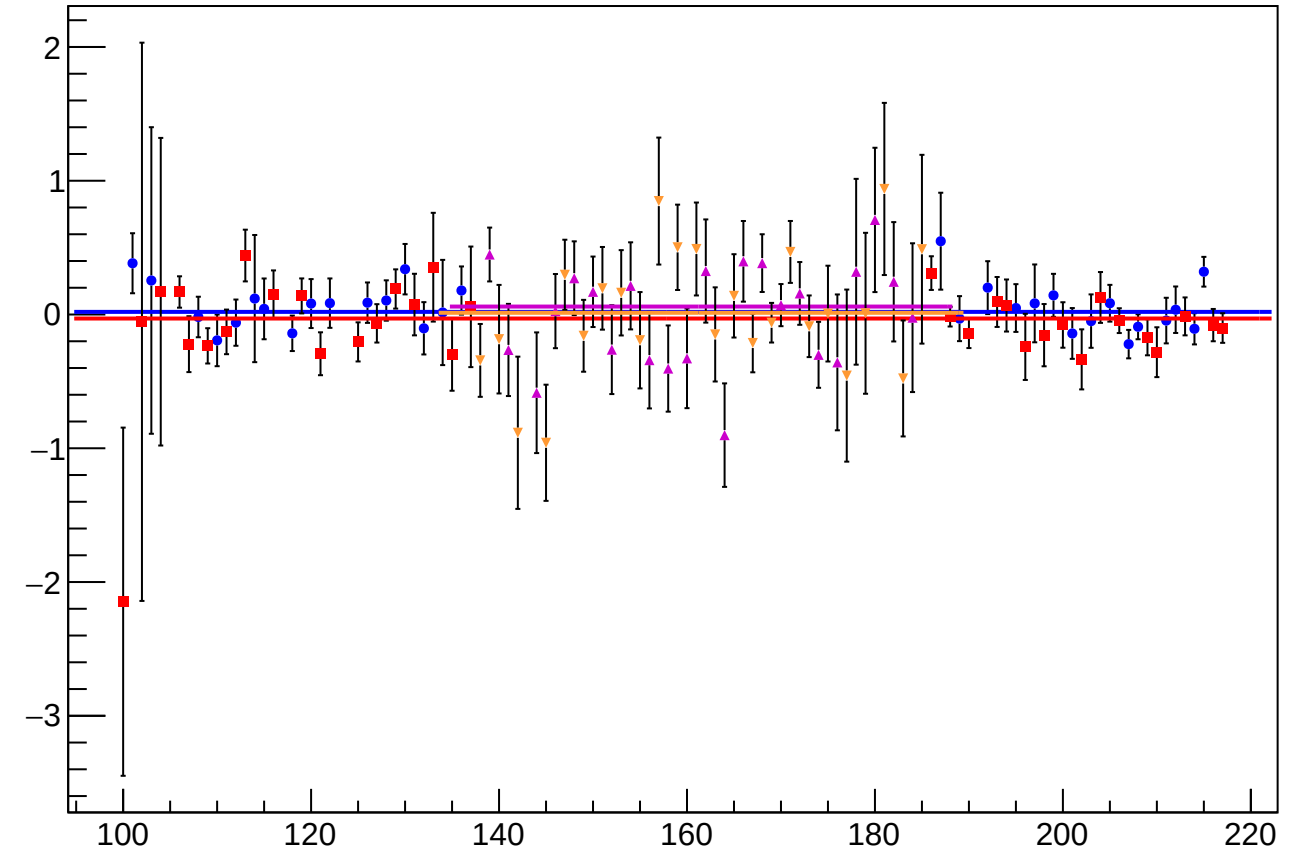
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 25952247.8/64

In: 0.000+/-0.000 χ^2/NDF:13739719.2/53

Out: 0.000+/-0.000 χ^2/NDF:19434446.2/57

All: 0.000+/-0.000 χ^2/NDF: 34841304.7/111



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: -0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

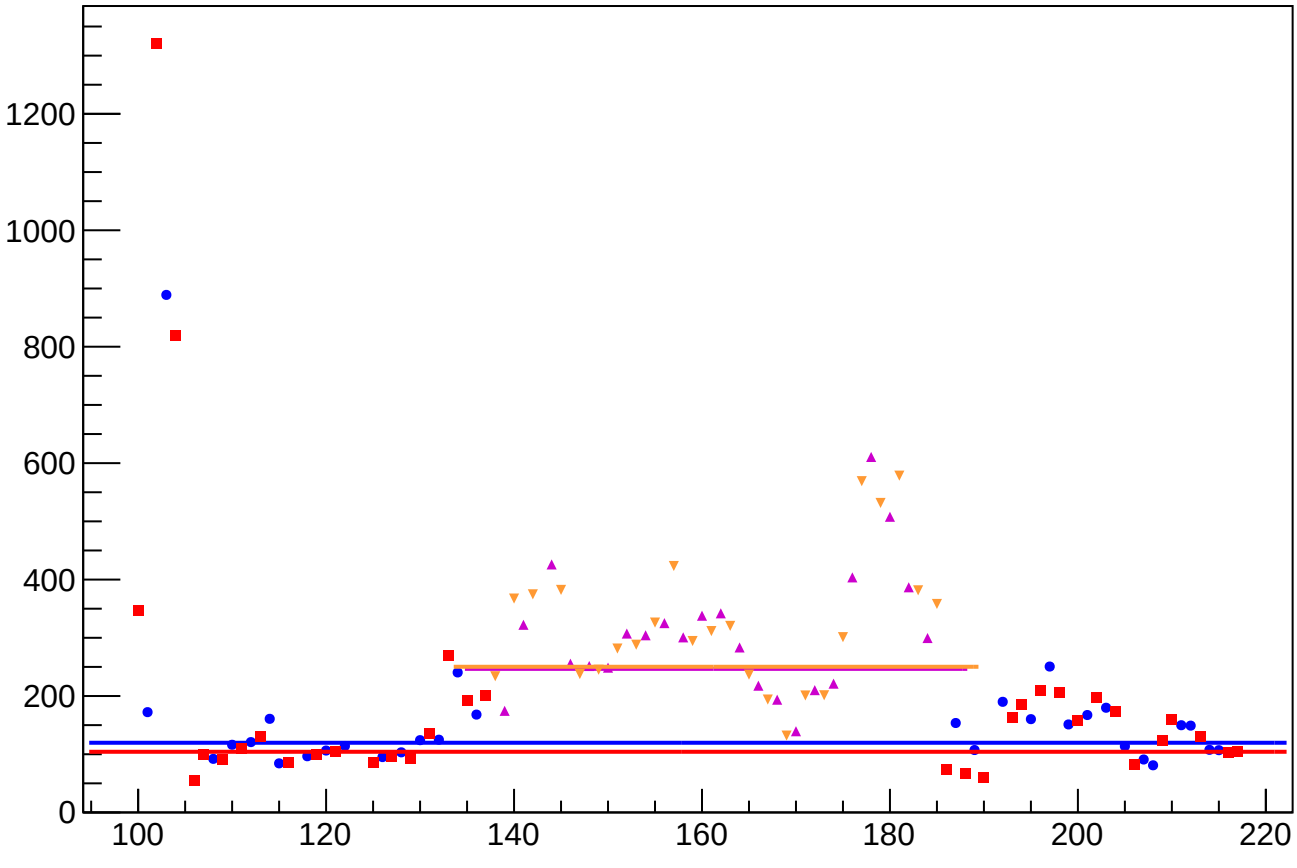
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.008+/-0.020 χ^2/NDF: 74.5/64

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.024+/-0.024 χ^2/NDF:72.2/57

All: -0.001+/-0.018 χ^2/NDF: 132.8/111



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: 104.227+/-0.019 χ^2/NDF: 6123765.9/33

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

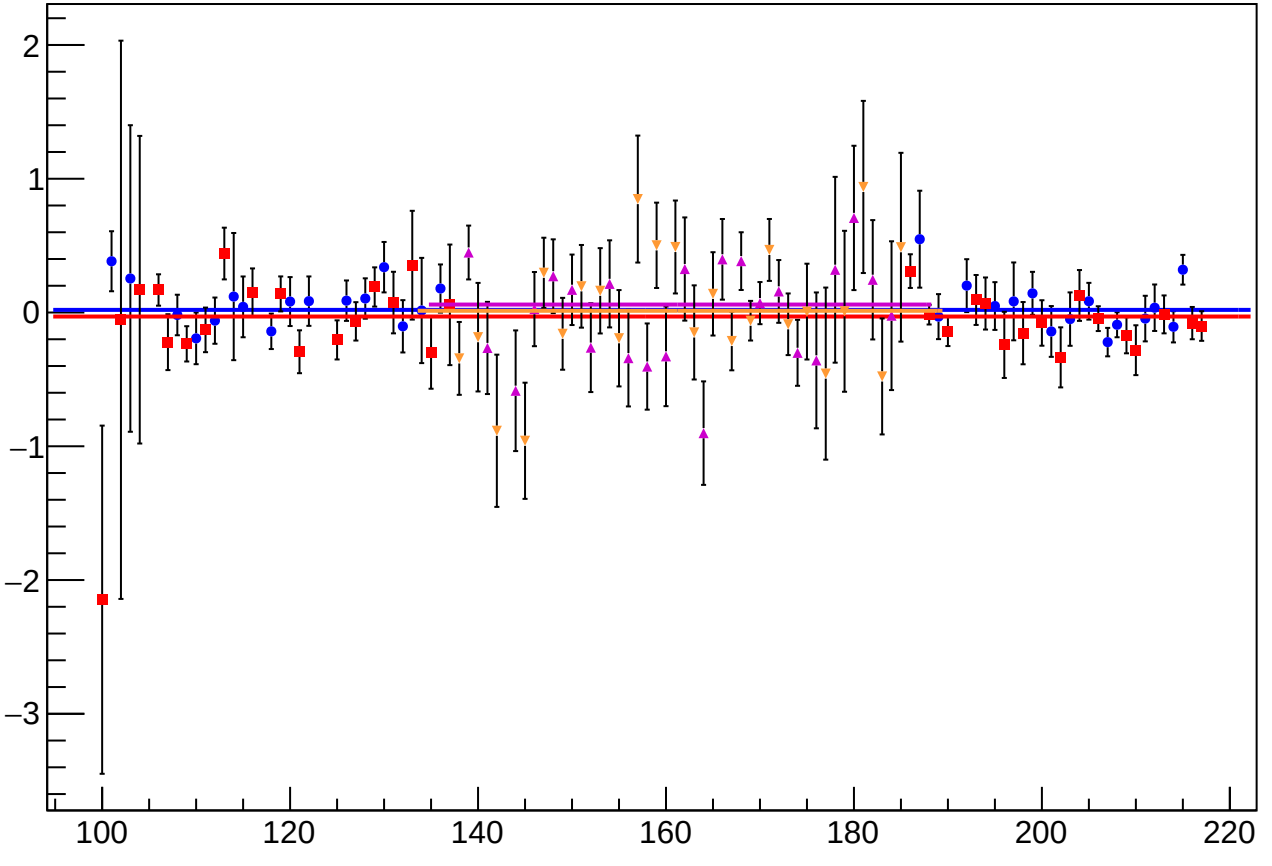
Right: 111.045+/-0.014 χ^2/NDF: 9889115.1/64

In: 143.551+/-0.019 χ^2/NDF:14039938.2/53

Out: 126.076+/-0.017 χ^2/NDF:19611111.6/57

All: 133.964+/-0.013 χ^2/NDF: 34115077.3/11

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: -0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

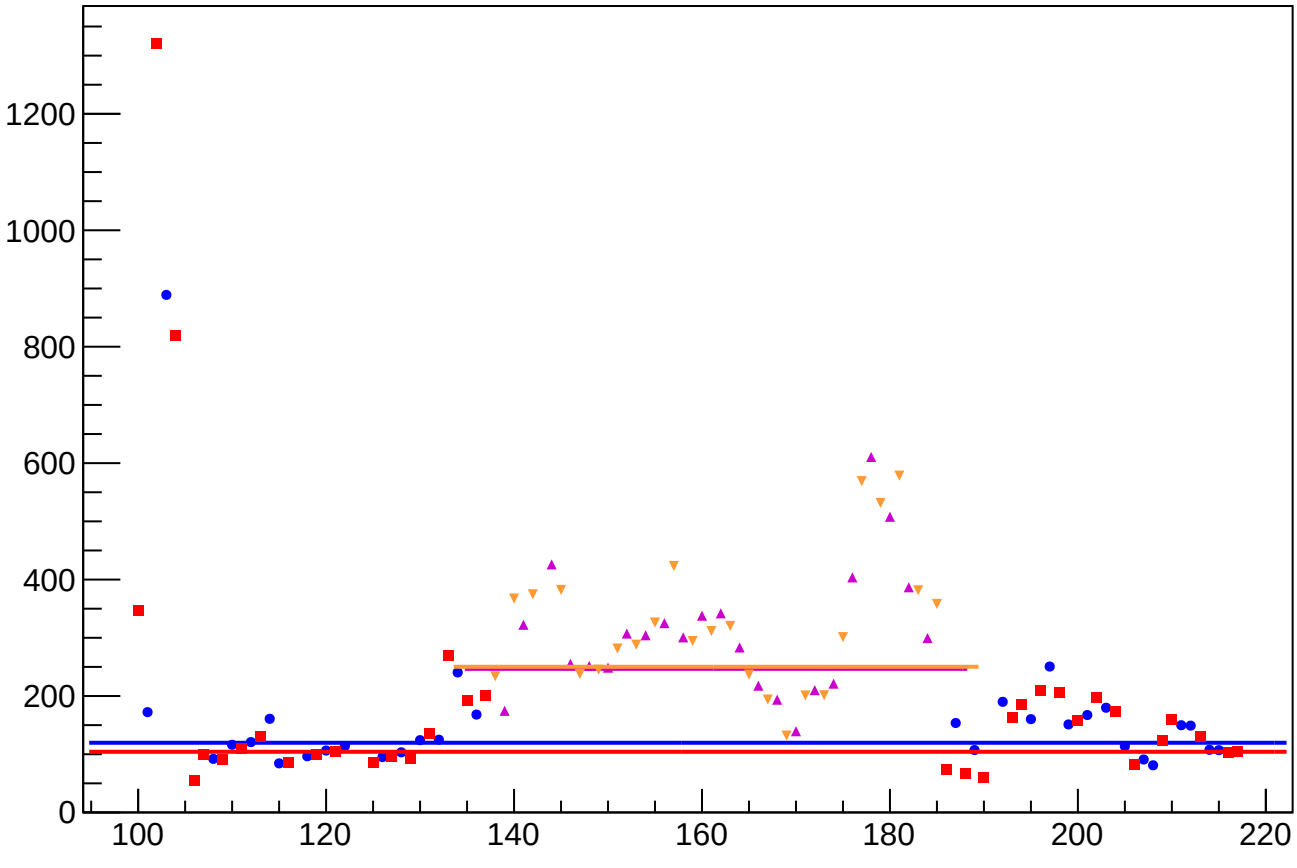
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.008+/-0.020 χ^2/NDF: 74.5/64

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.024+/-0.024 χ^2/NDF:72.2/57

All: -0.001+/-0.018 χ^2/NDF: 132.8/111



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: 104.227+/-0.019 χ^2/NDF: 6123765.9/33

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

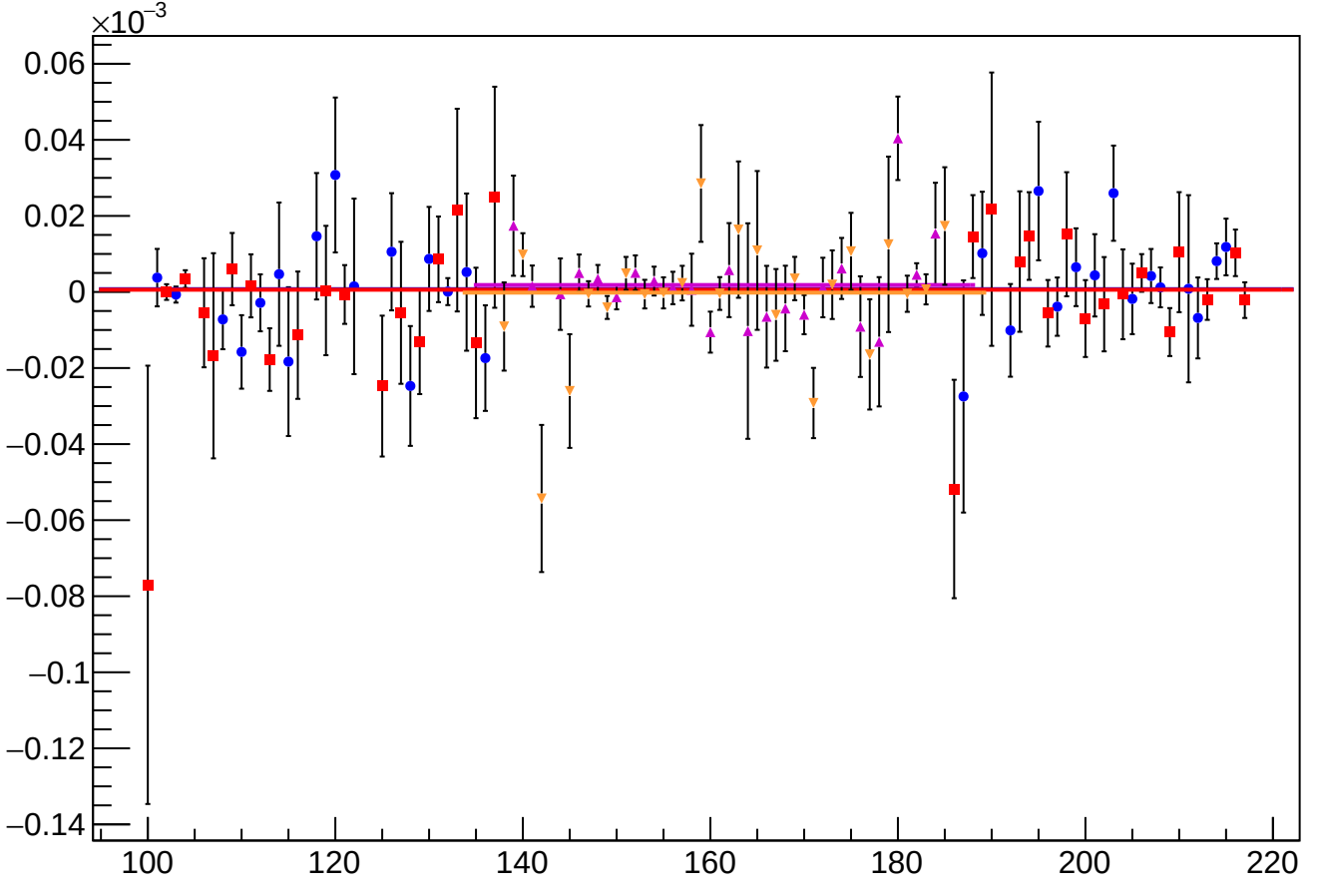
Right: 111.045+/-0.014 χ^2/NDF: 9889115.1/64

In: 143.551+/-0.019 χ^2/NDF:14039938.2/53

Out: 126.076+/-0.017 χ^2/NDF:19611111.6/57

All: 133.964+/-0.013 χ^2/NDF: 34115077.3/11

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/33

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

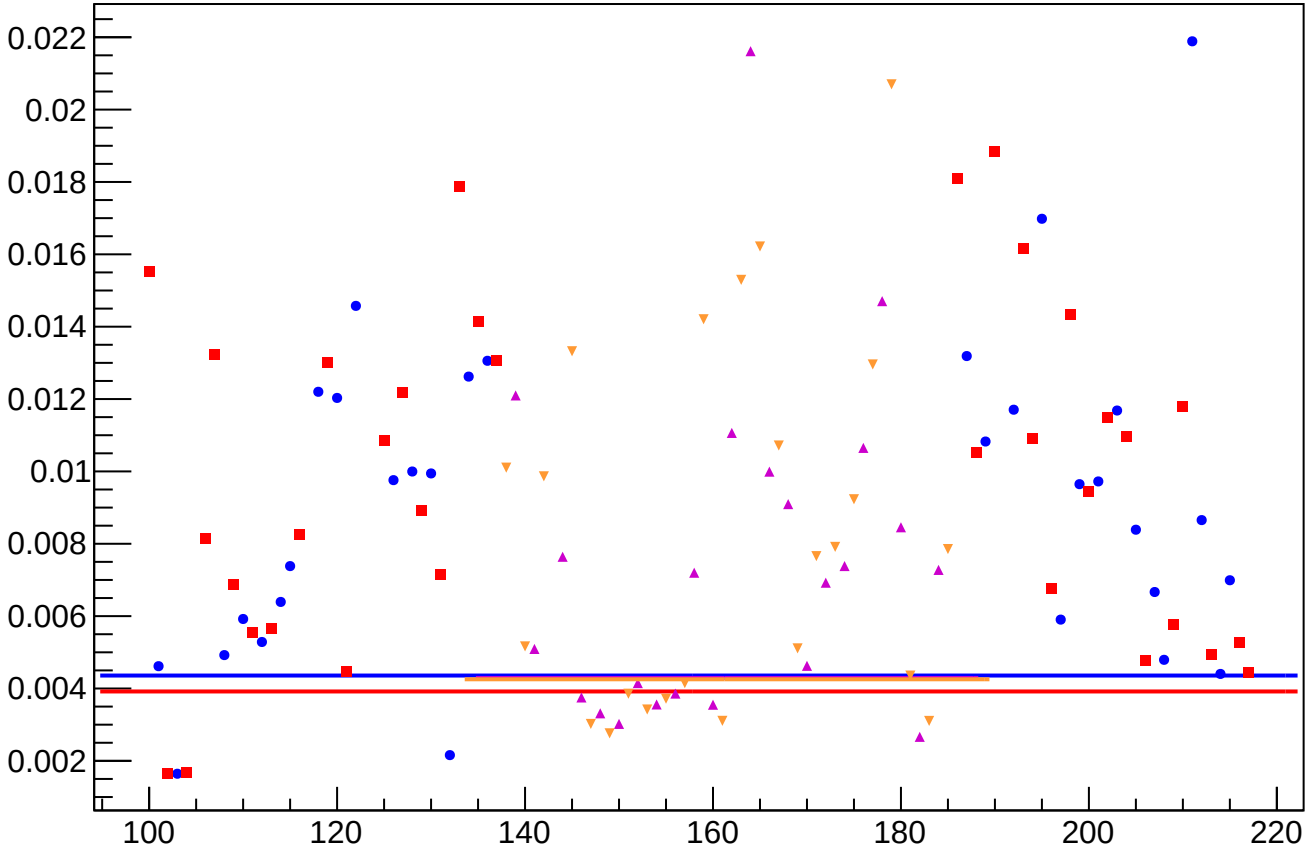
Right: 0.000+/-0.000 χ^2/NDF: 59.6/64

In: 0.000+/-0.000 χ^2/NDF:56.8/53

Out: 0.000+/-0.000 χ^2/NDF:68.8/57

All: 0.000+/-0.000 χ^2/NDF: 126.4/111

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 13454912.0/30

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 15365237.6/33

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

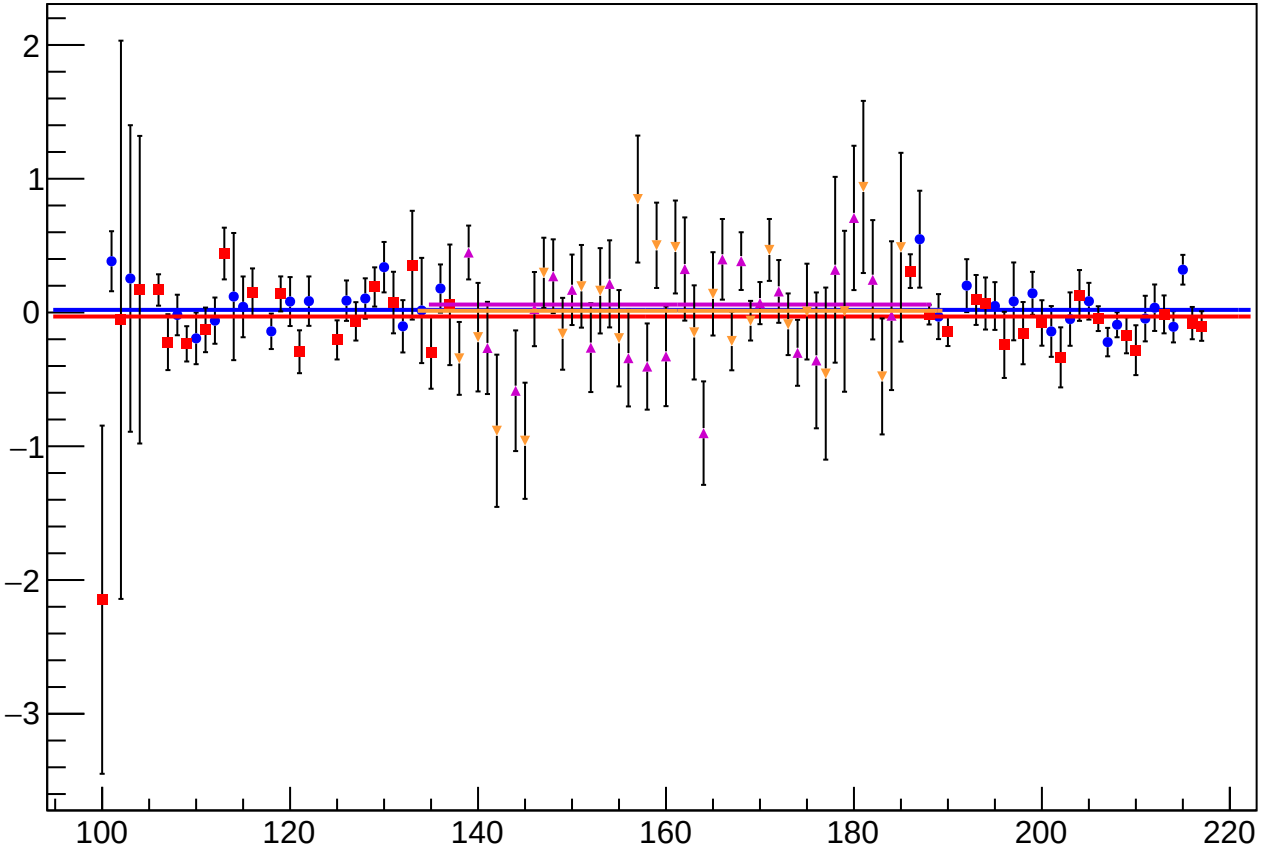
Right: 0.004+/-0.000 χ^2/NDF: 28949112.4/64

In: 0.004+/-0.000 χ^2/NDF:20056566.6/53

Out: 0.004+/-0.000 χ^2/NDF:23941675.3/57

All: 0.004+/-0.000 χ^2/NDF: 44076238.9/111

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: -0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

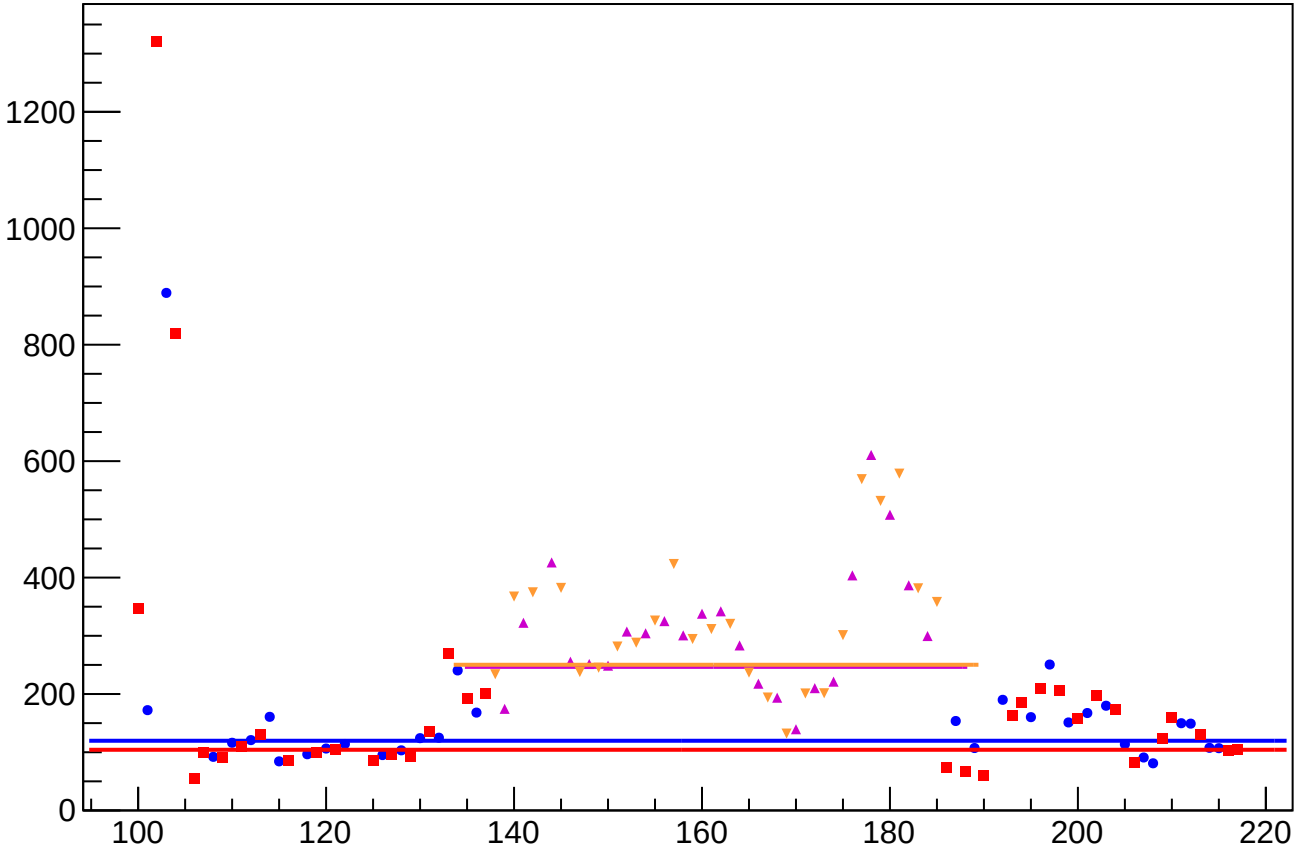
Right: -0.008+/-0.020 χ^2/NDF: 74.5/64

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.024+/-0.024 χ^2/NDF:72.2/57

All: -0.001+/-0.018 χ^2/NDF: 132.8/111

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.720+/-0.021 χ^2/NDF: 3462969.3/30

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 104.223+/-0.019 χ^2/NDF: 6124340.8/33

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

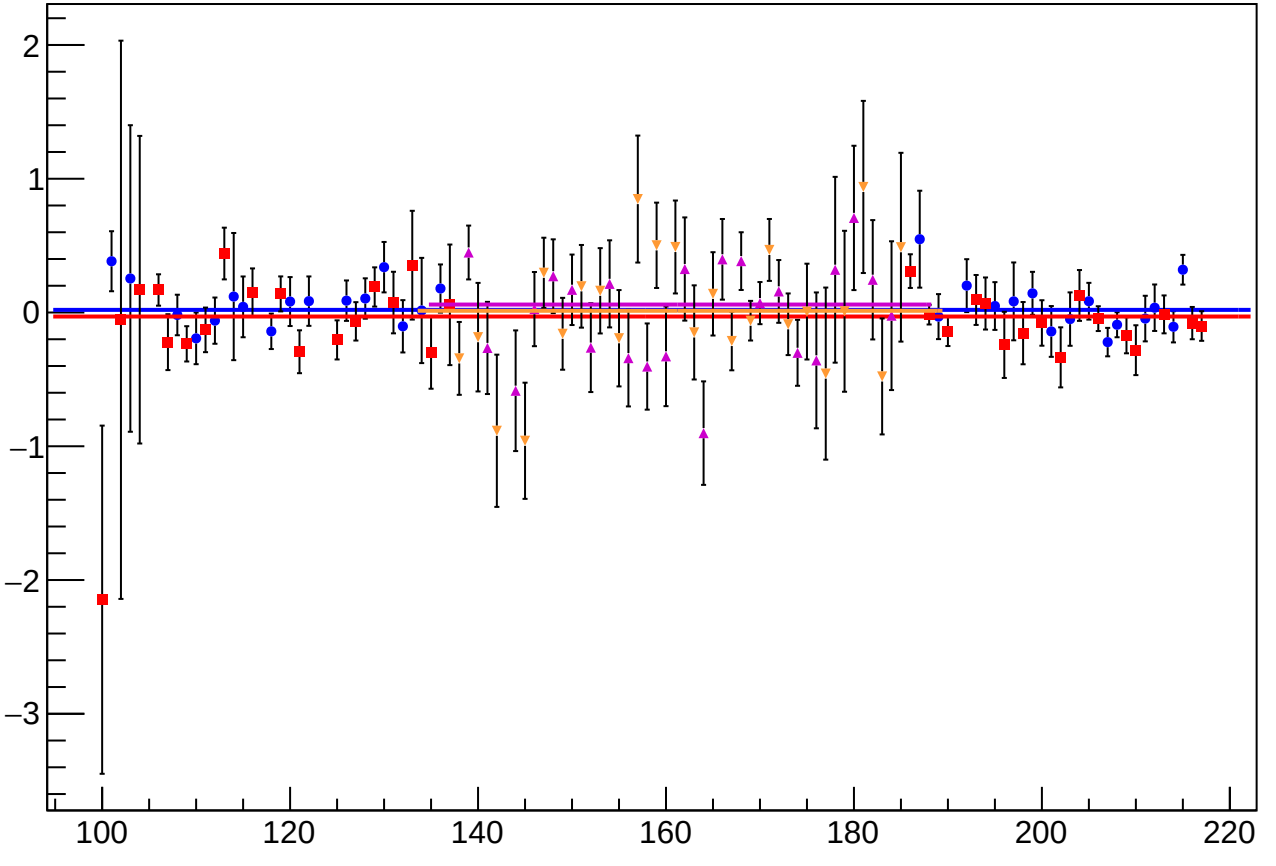
Right: 111.042+/-0.014 χ^2/NDF: 9889880.3/64

In: 143.549+/-0.019 χ^2/NDF:14040332.7/53

Out: 126.072+/-0.017 χ^2/NDF:19612357.7/57

All: 133.961+/-0.013 χ^2/NDF: 34116877.6/11

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: -0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

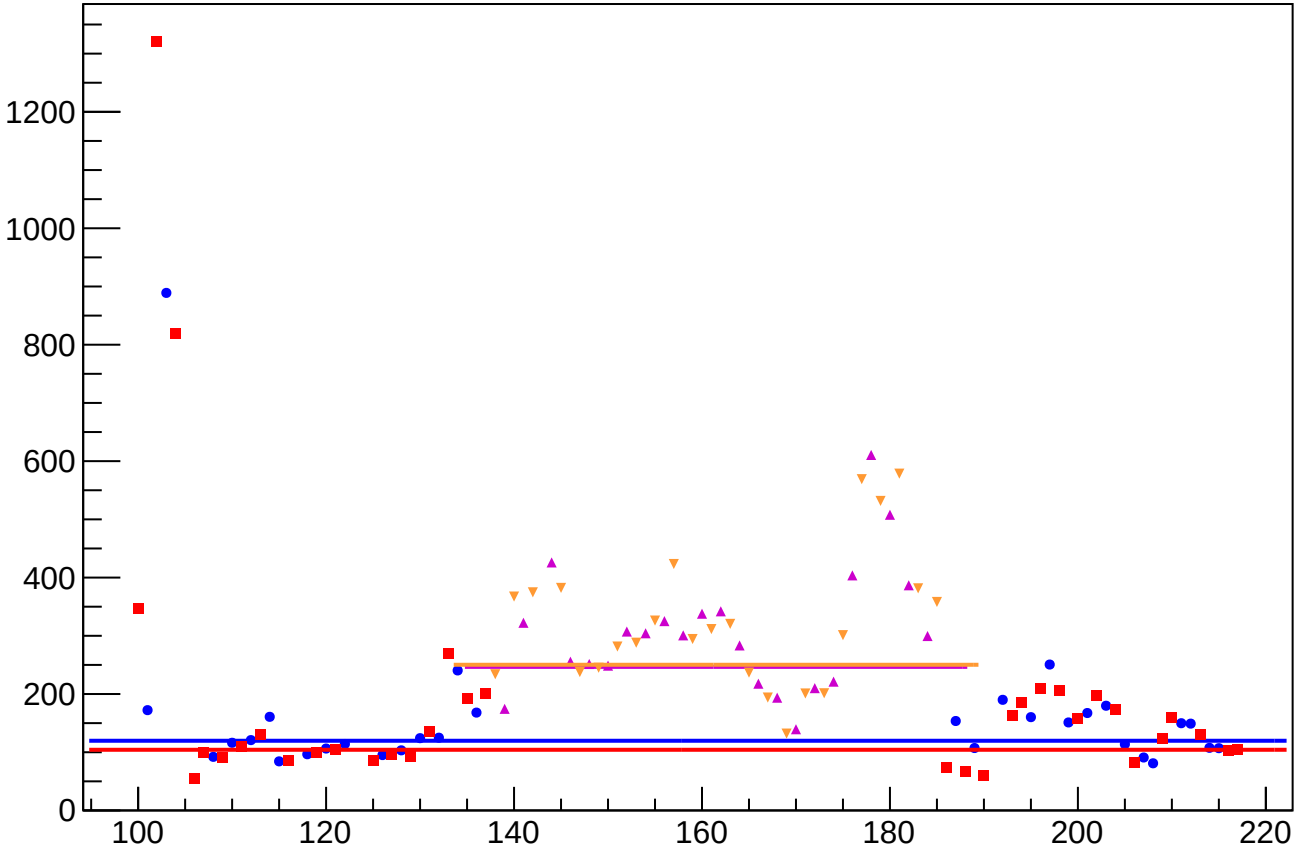
Right: -0.008+/-0.020 χ^2/NDF: 74.5/64

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.024+/-0.024 χ^2/NDF:72.2/57

All: -0.001+/-0.018 χ^2/NDF: 132.8/111

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.720+/-0.021 χ^2/NDF: 3462969.3/30

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 104.223+/-0.019 χ^2/NDF: 6124340.8/33

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

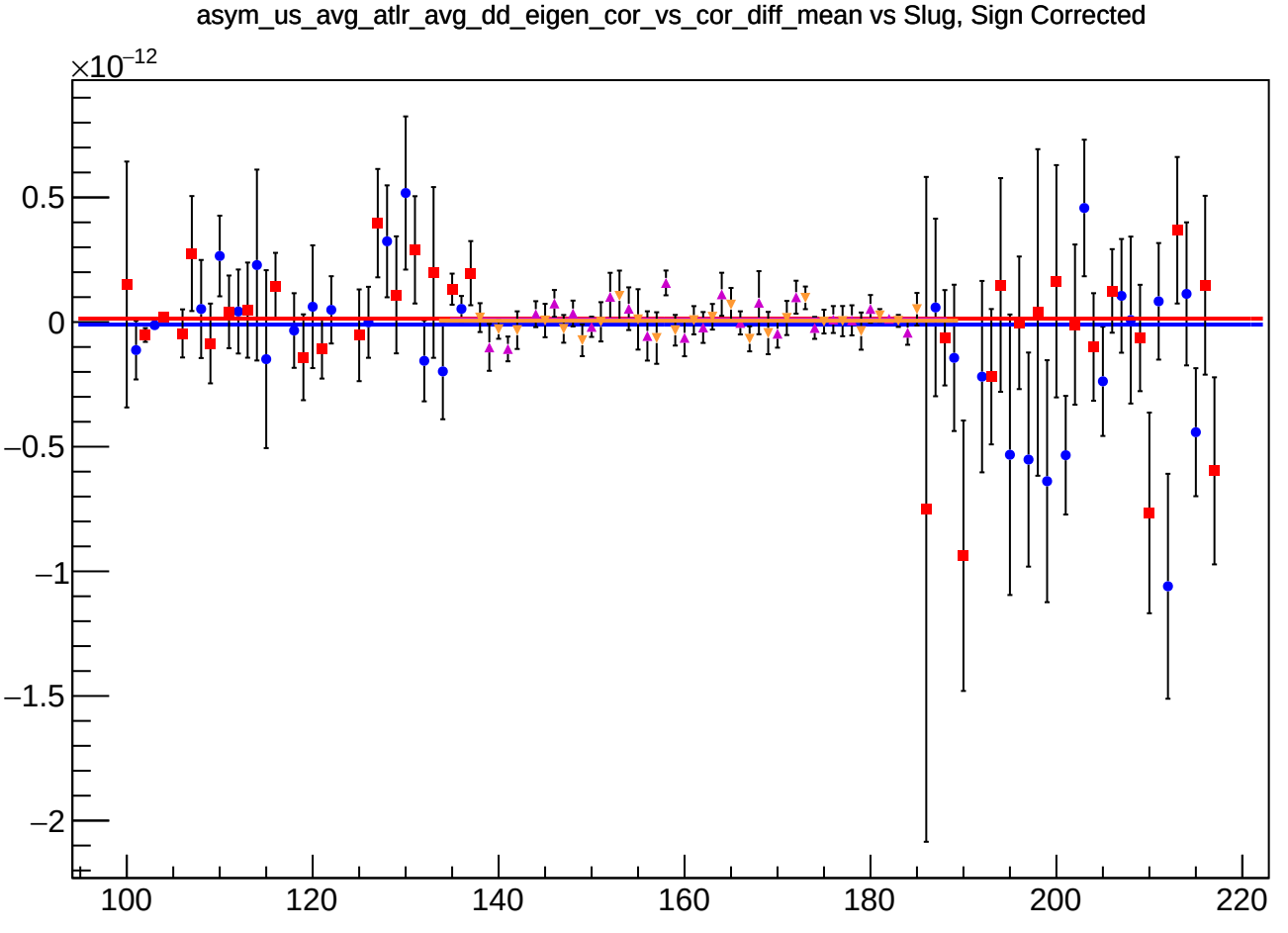
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 111.042+/-0.014 χ^2/NDF: 9889880.3/64

In: 143.549+/-0.019 χ^2/NDF:14040332.7/53

Out: 126.072+/-0.017 χ^2/NDF:19612357.7/57

All: 133.961+/-0.013 χ^2/NDF: 34116877.6/11



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: 35.3/33

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

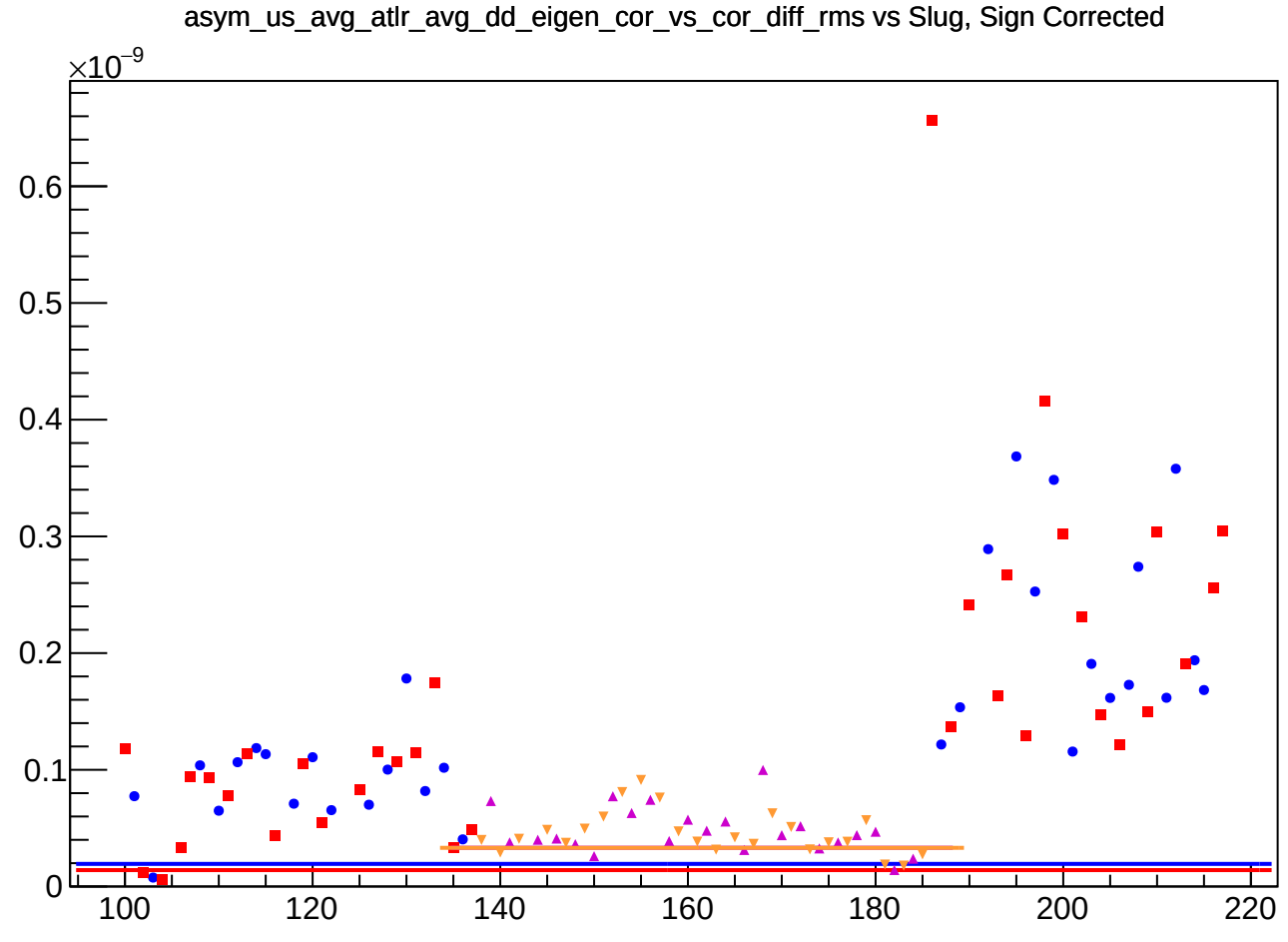
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

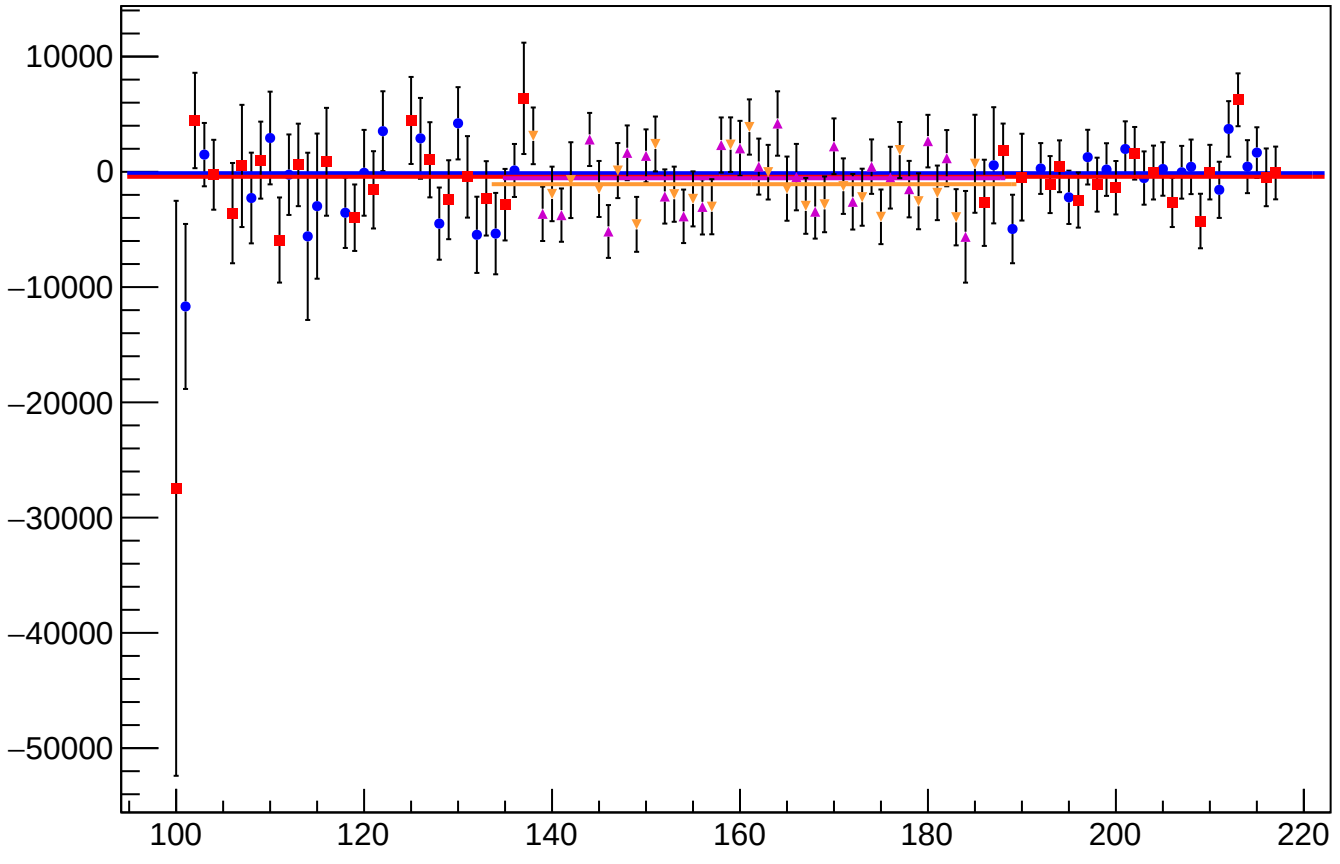
Right: 0.000+/-0.000 χ^2/NDF: 73.0/64

In: 0.000+/-0.000 χ^2/NDF:65.0/53

Out: 0.000+/-0.000 χ^2/NDF:49.4/57

All: 0.000+/-0.000 χ^2/NDF: 115.0/111


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 17293587.1/30
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 18061435.8/33
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9043794.9/46
Right: 0.000+/-0.000 χ²/NDF: 35583767.1/64
In: 0.000+/-0.000 χ²/NDF:23777120.2/53
Out: 0.000+/-0.000 χ²/NDF:25639776.6/57
All: 0.000+/-0.000 χ²/NDF: 49759705.1/111



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: -430.793+/-497.069 χ^2/NDF: 28.1/33

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

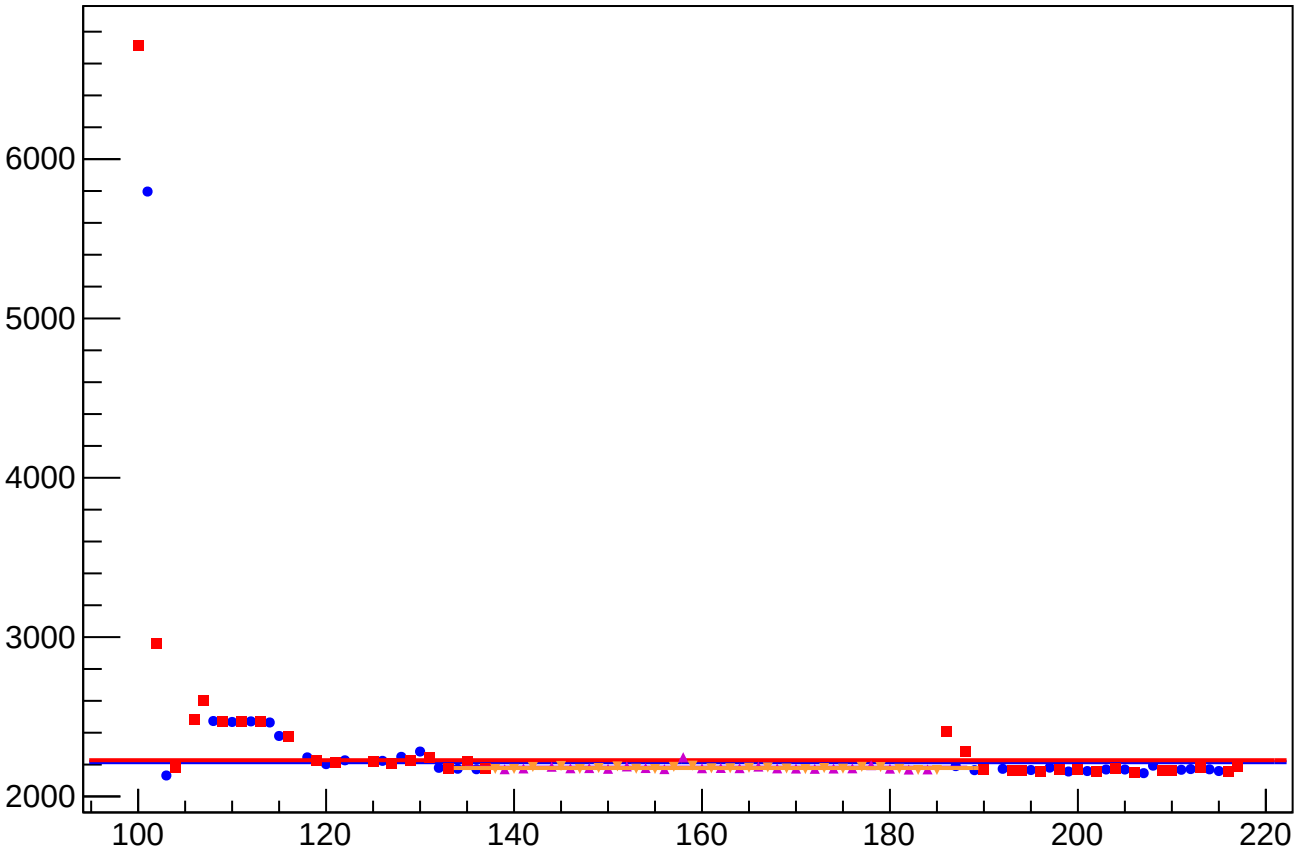
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -277.368+/-355.178 χ^2/NDF: 53.0/64

In: -336.529+/-359.529 χ^2/NDF:53.8/53

Out: -746.407+/-354.436 χ^2/NDF:50.4/57

All: -544.391+/-252.405 χ^2/NDF: 104.9/111



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: 2227.427+/-0.351 χ^2/NDF: 200423.5/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

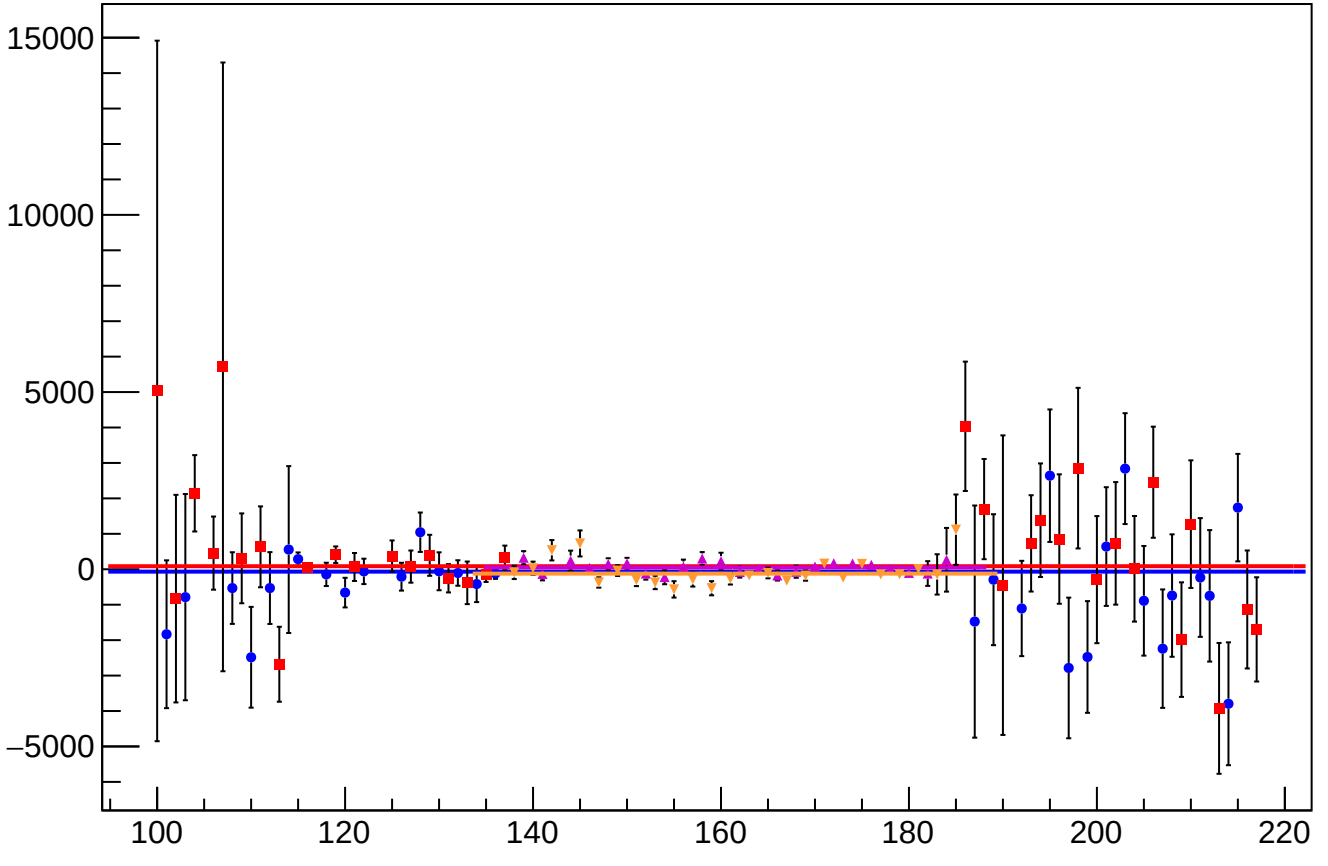
Right: 2221.280+/-0.251 χ^2/NDF: 749273.8/64

In: 2197.943+/-0.254 χ^2/NDF:554549.3/53

Out: 2203.251+/-0.251 χ^2/NDF:210437.6/57

All: 2200.635+/-0.178 χ^2/NDF: 765208.0/111

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: 86.048+/-80.863 χ^2/NDF: 37.5/33

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

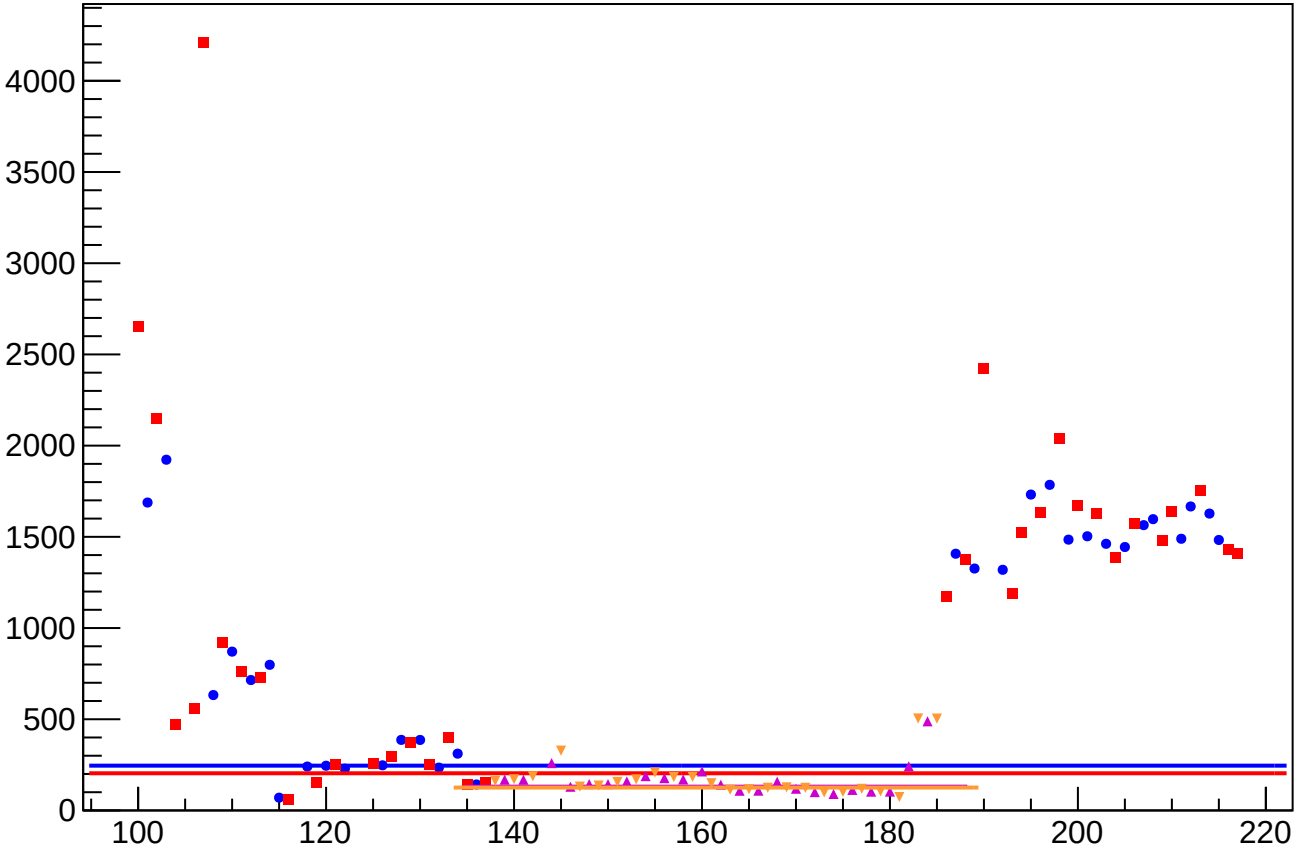
Right: 16.970+/-59.859 χ^2/NDF: 72.6/64

In: 36.516+/-30.567 χ^2/NDF:53.2/53

Out: -95.603+/-29.277 χ^2/NDF:87.1/57

All: -32.389+/-21.143 χ^2/NDF: 150.1/111

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 245.595+/-0.063 χ^2/NDF: 22575763.6/30

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 203.824+/-0.057 χ^2/NDF: 26131161.5/33

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

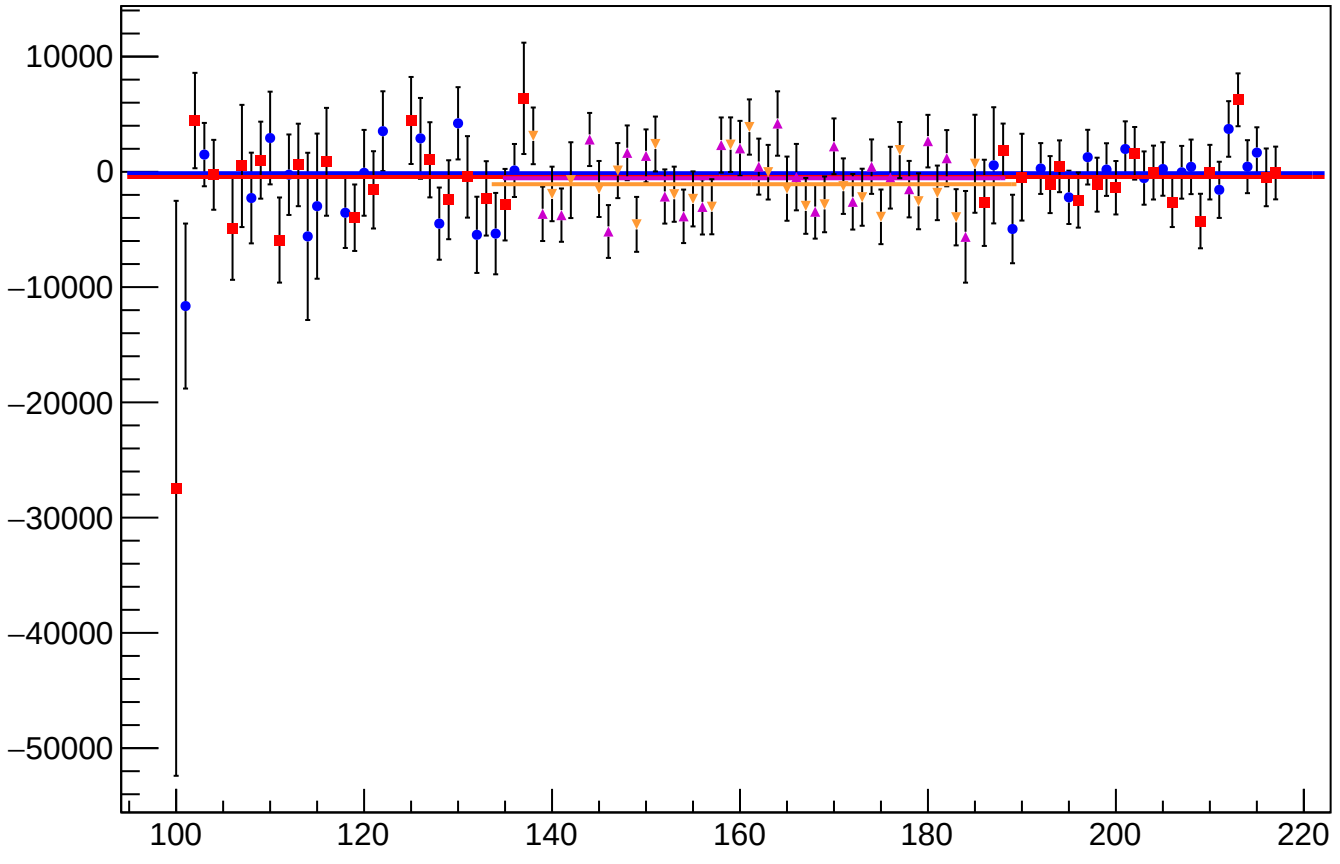
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 222.706+/-0.042 χ^2/NDF: 48948166.4/64

In: 144.010+/-0.022 χ^2/NDF:28207185.0/53

Out: 135.773+/-0.021 χ^2/NDF:31704055.6/57

All: 139.714+/-0.015 χ^2/NDF: 59987000.7/11



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: -446.056+/-497.203 χ^2/NDF: 28.6/33

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

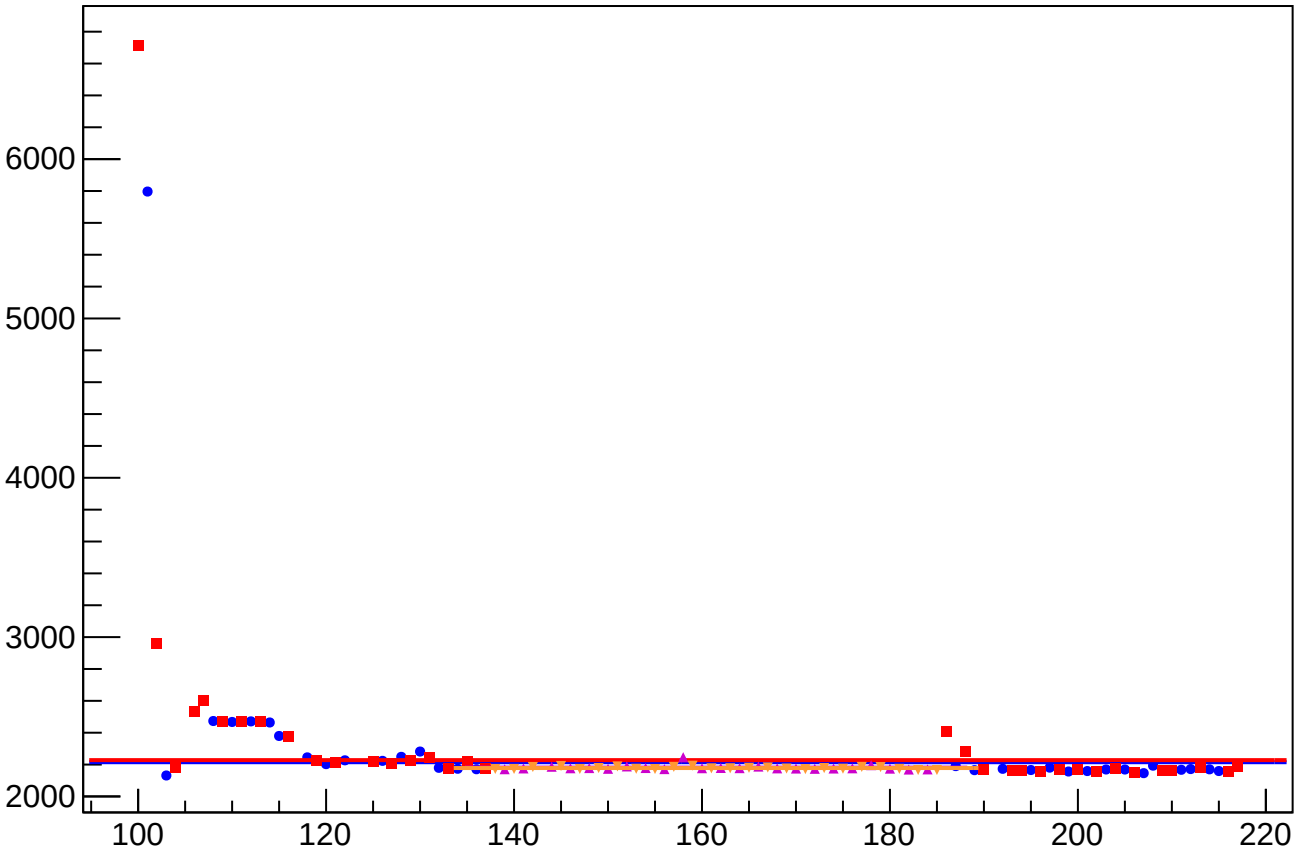
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -284.925+/-355.227 χ^2/NDF: 53.5/64

In: -336.346+/-359.529 χ^2/NDF:53.8/53

Out: -754.219+/-354.485 χ^2/NDF:50.9/57

All: -548.234+/-252.423 χ^2/NDF: 105.4/111



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: 2227.923+/-0.352 χ^2/NDF: 203027.3/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

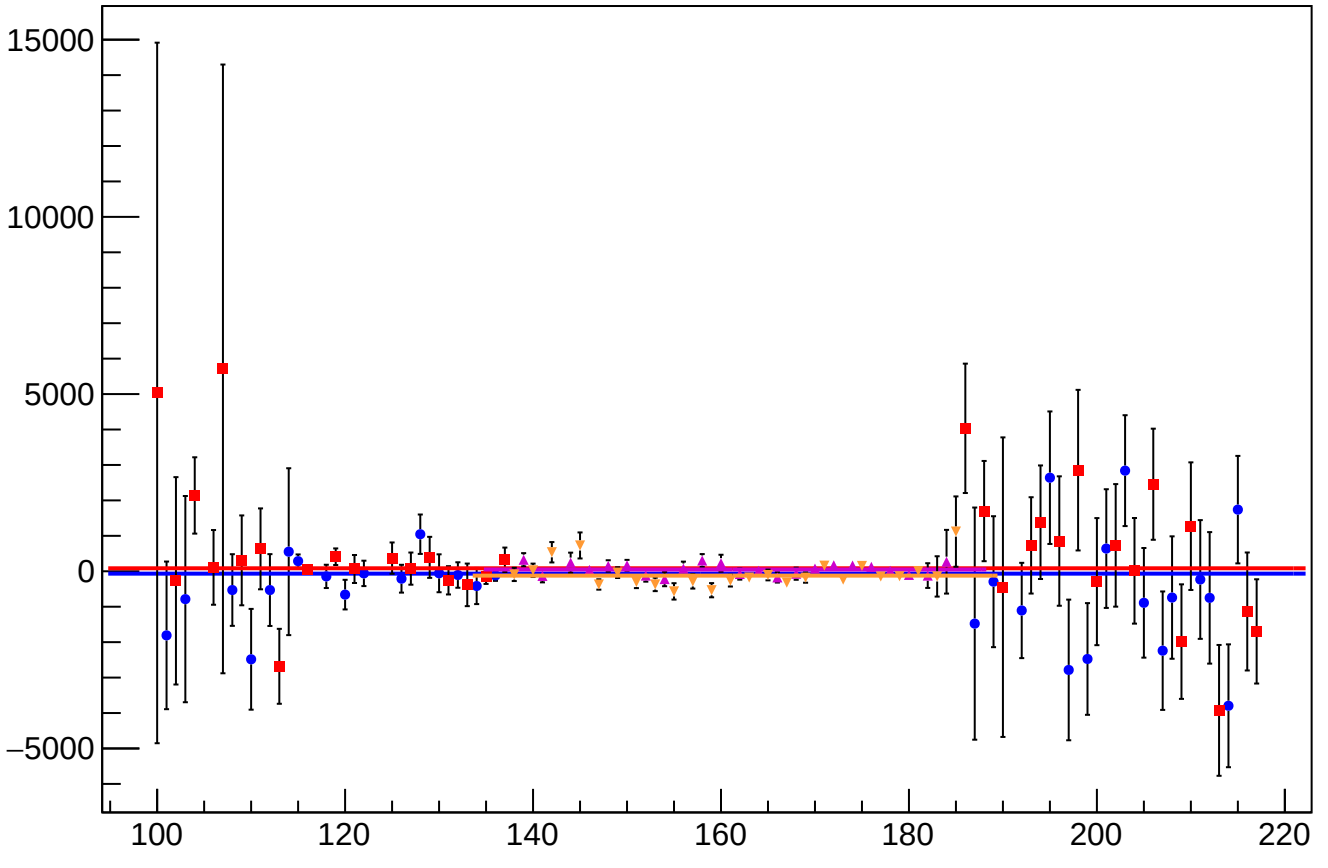
Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

Right: 2221.531+/-0.251 χ^2/NDF: 751928.1/64

In: 2197.943+/-0.254 χ^2/NDF:554549.6/53

Out: 2203.496+/-0.251 χ^2/NDF:213233.8/57

All: 2200.759+/-0.178 χ^2/NDF: 768025.4/111



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: 84.104+/-80.805 χ^2/NDF: 37.3/33

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

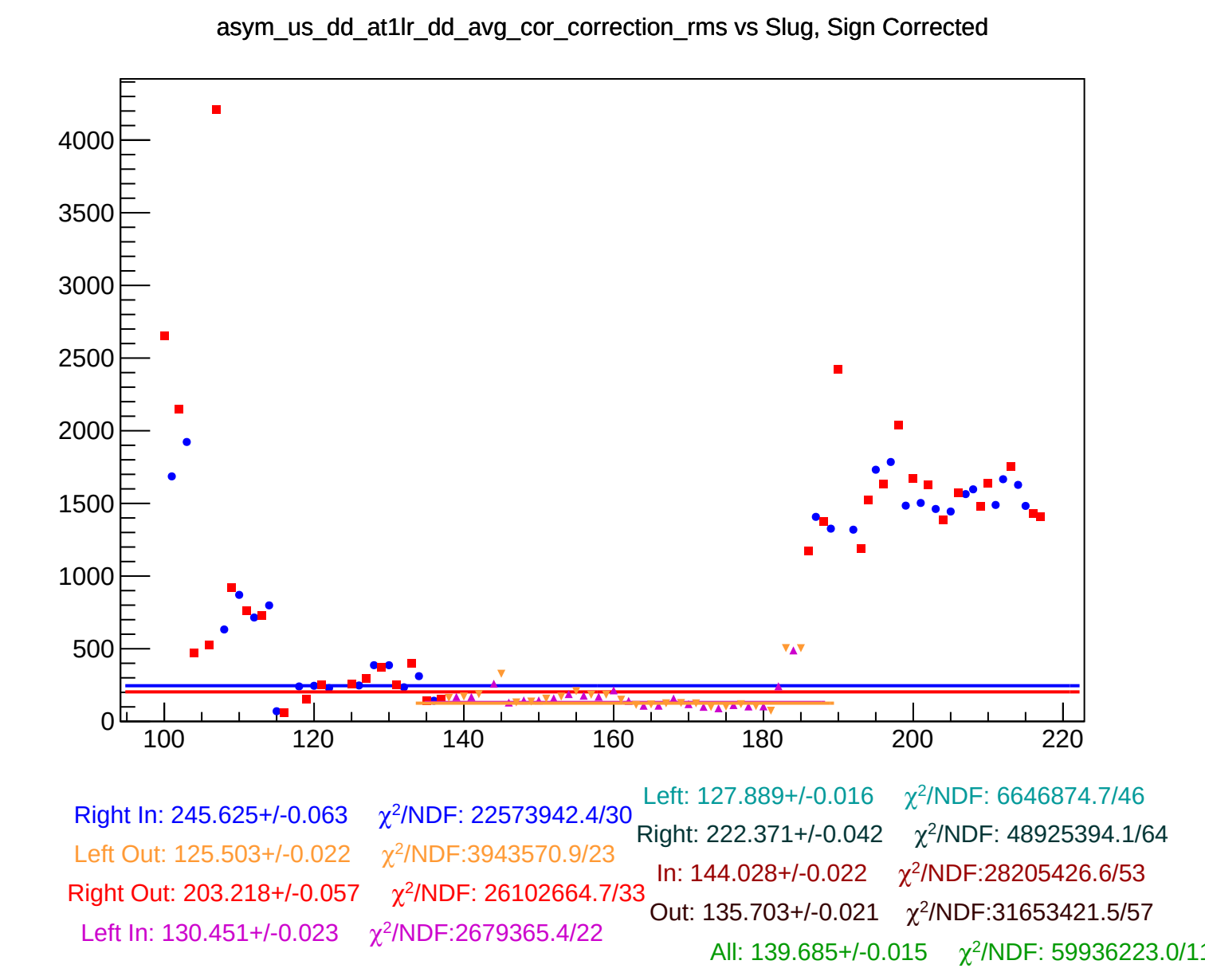
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

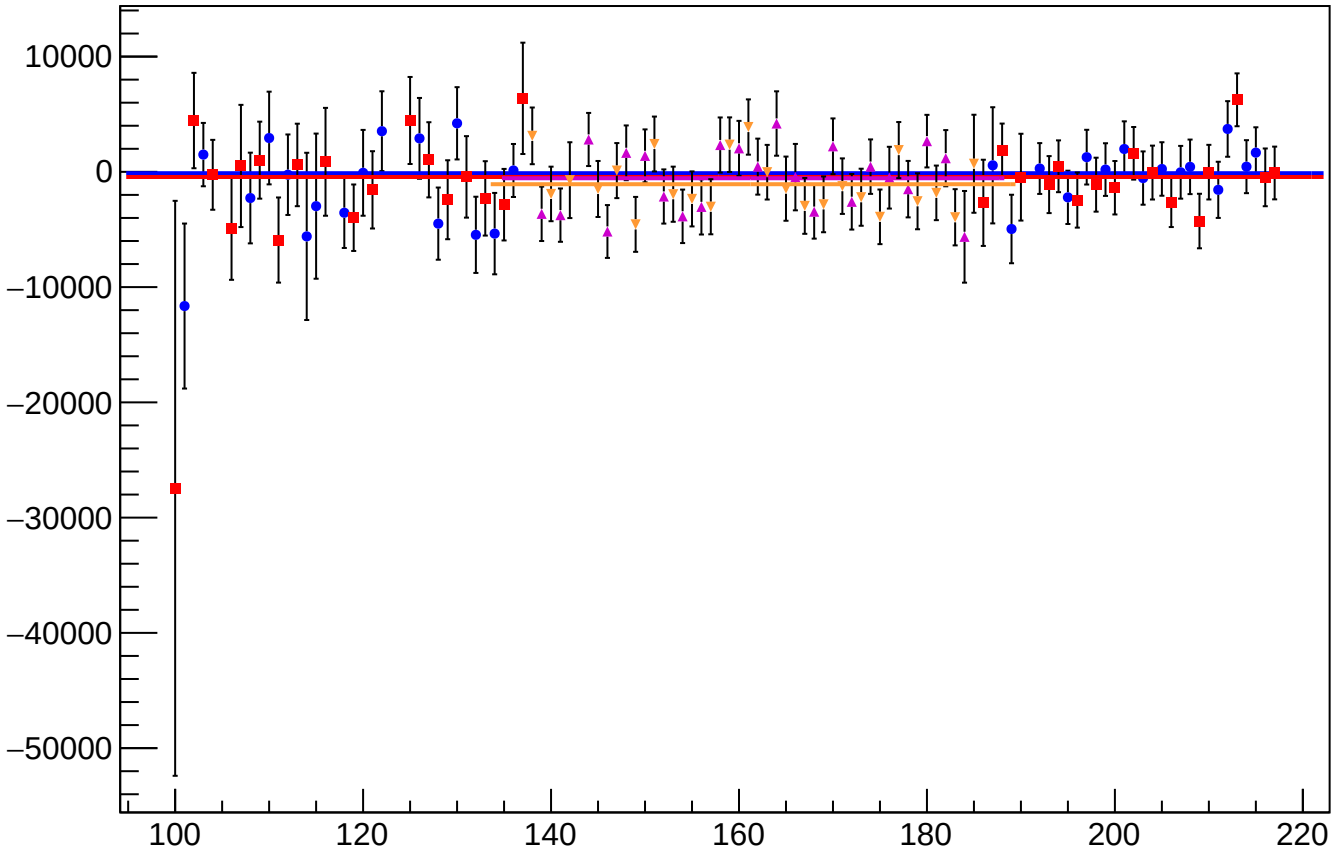
Right: 15.947+/-59.837 χ^2/NDF: 72.3/64

In: 36.416+/-30.570 χ^2/NDF:53.2/53

Out: -95.755+/-29.274 χ^2/NDF:86.8/57

All: -32.529+/-21.143 χ^2/NDF: 149.7/111


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 245.625+/-0.063 χ²/NDF: 22573942.4/30
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 203.218+/-0.057 χ²/NDF: 26102664.7/33
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
Left: 127.889+/-0.016 χ²/NDF: 6646874.7/46
Right: 222.371+/-0.042 χ²/NDF: 48925394.1/64
In: 144.028+/-0.022 χ²/NDF:28205426.6/53
Out: 135.703+/-0.021 χ²/NDF:31653421.5/57
All: 139.685+/-0.015 χ²/NDF: 59936223.0/11



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: -446.056+/-497.203 χ^2/NDF: 28.6/33

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

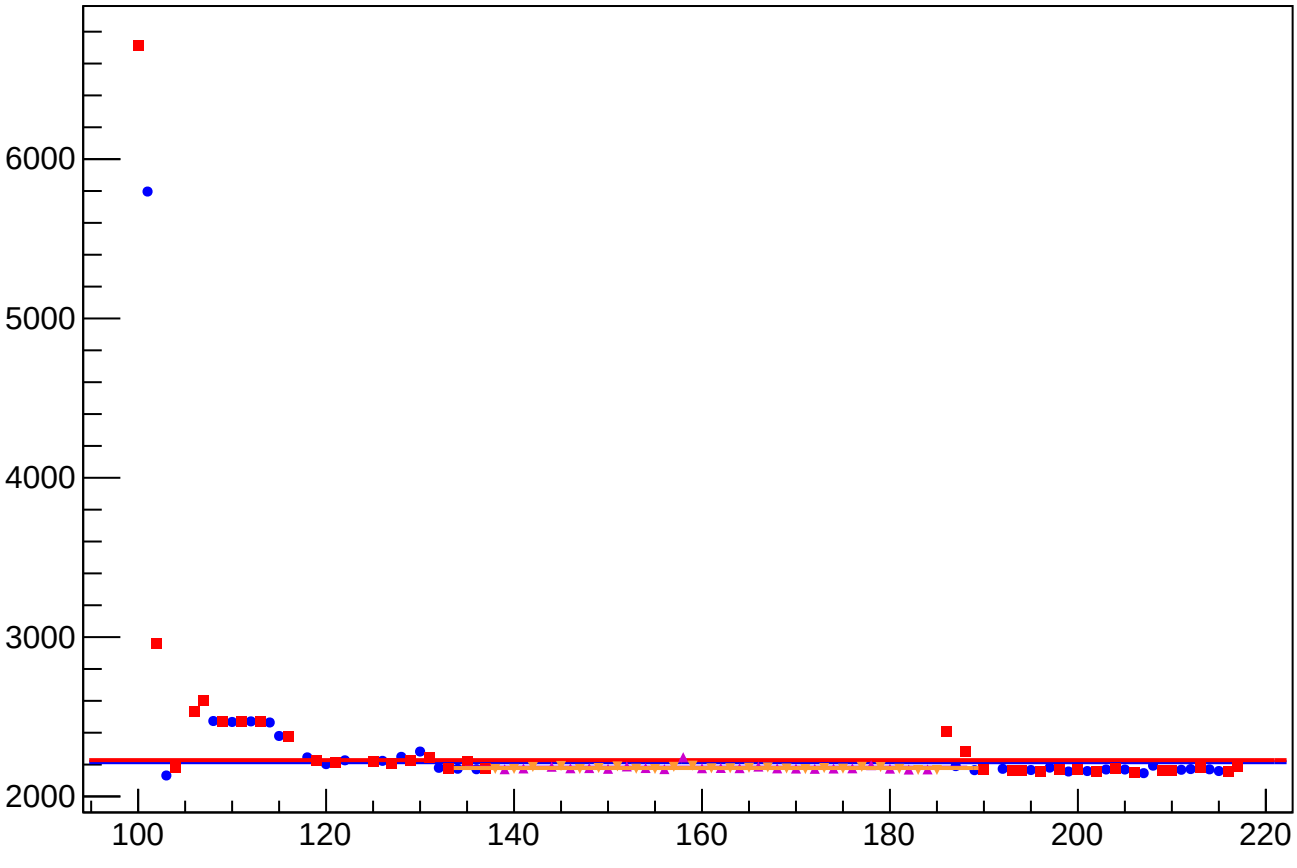
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -284.925+/-355.227 χ^2/NDF: 53.5/64

In: -336.346+/-359.529 χ^2/NDF:53.8/53

Out: -754.219+/-354.485 χ^2/NDF:50.9/57

All: -548.234+/-252.423 χ^2/NDF: 105.4/111



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: 2227.923+/-0.352 χ^2/NDF: 203027.3/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

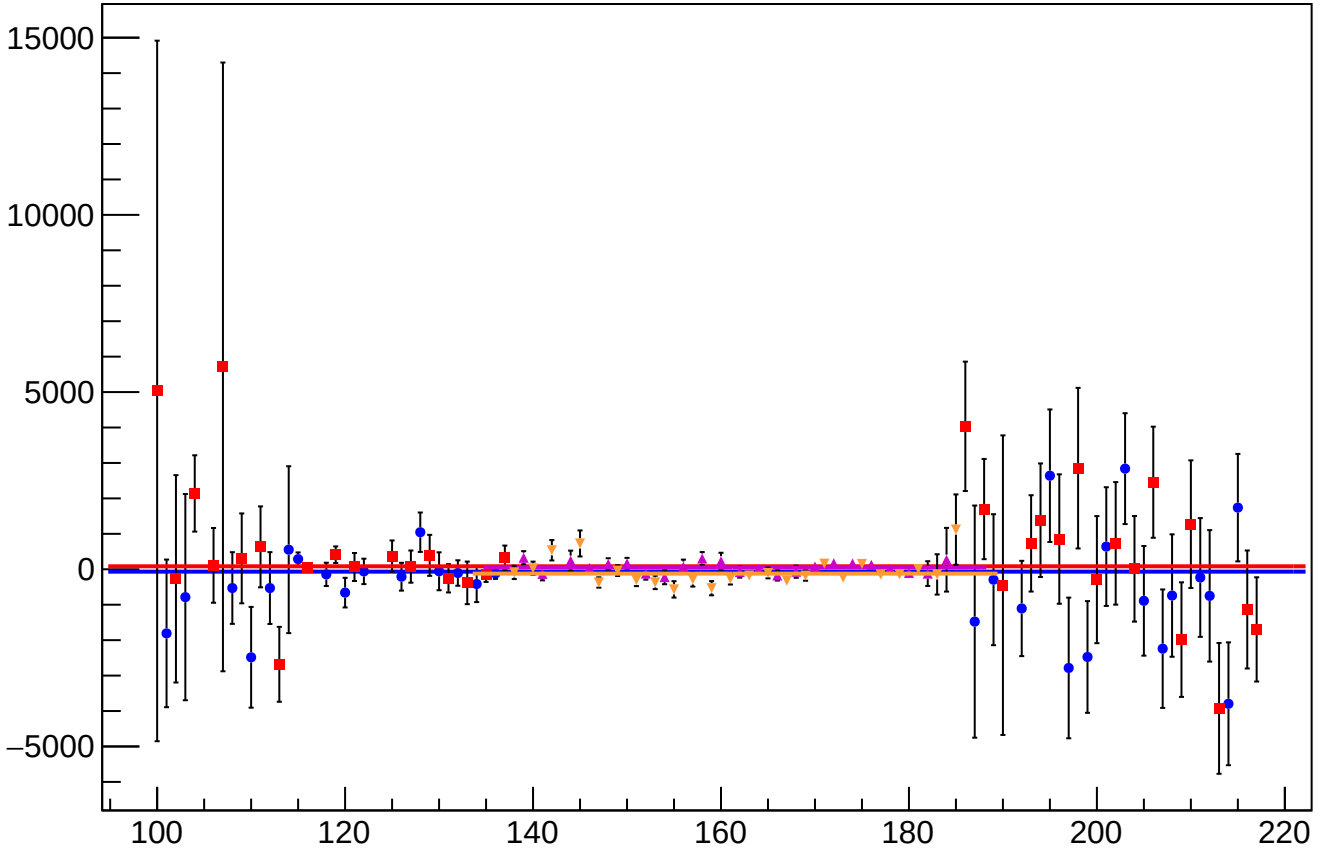
Right: 2221.531+/-0.251 χ^2/NDF: 751928.1/64

In: 2197.943+/-0.254 χ^2/NDF:554549.6/53

Out: 2203.496+/-0.251 χ^2/NDF:213233.8/57

All: 2200.759+/-0.178 χ^2/NDF: 768025.4/111

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: 84.104+/-80.805 χ^2/NDF: 37.3/33

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

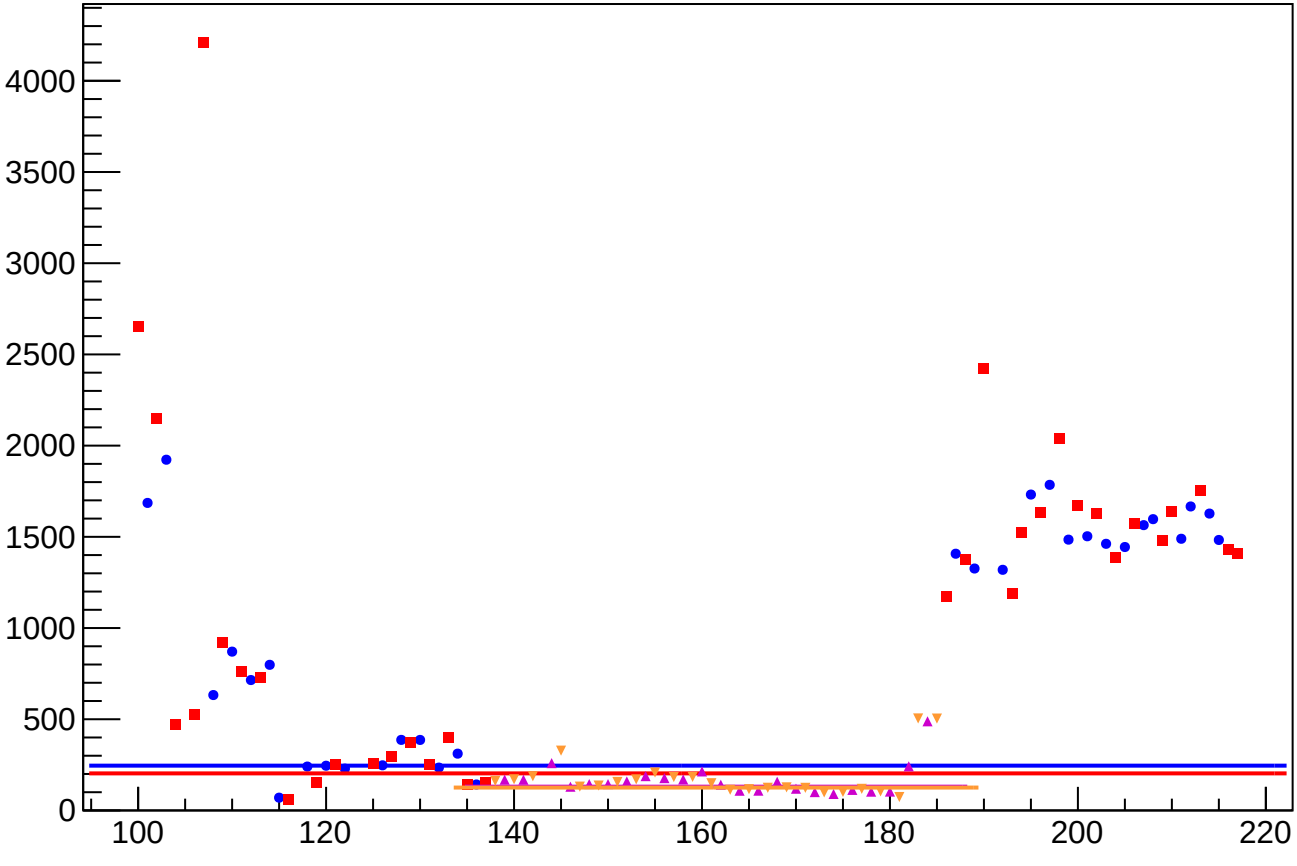
Right: 15.947+/-59.837 χ^2/NDF: 72.3/64

In: 36.416+/-30.570 χ^2/NDF:53.2/53

Out: -95.755+/-29.274 χ^2/NDF:86.8/57

All: -32.529+/-21.143 χ^2/NDF: 149.7/111

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: 203.218+/-0.057 χ^2/NDF: 26102664.7/33

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

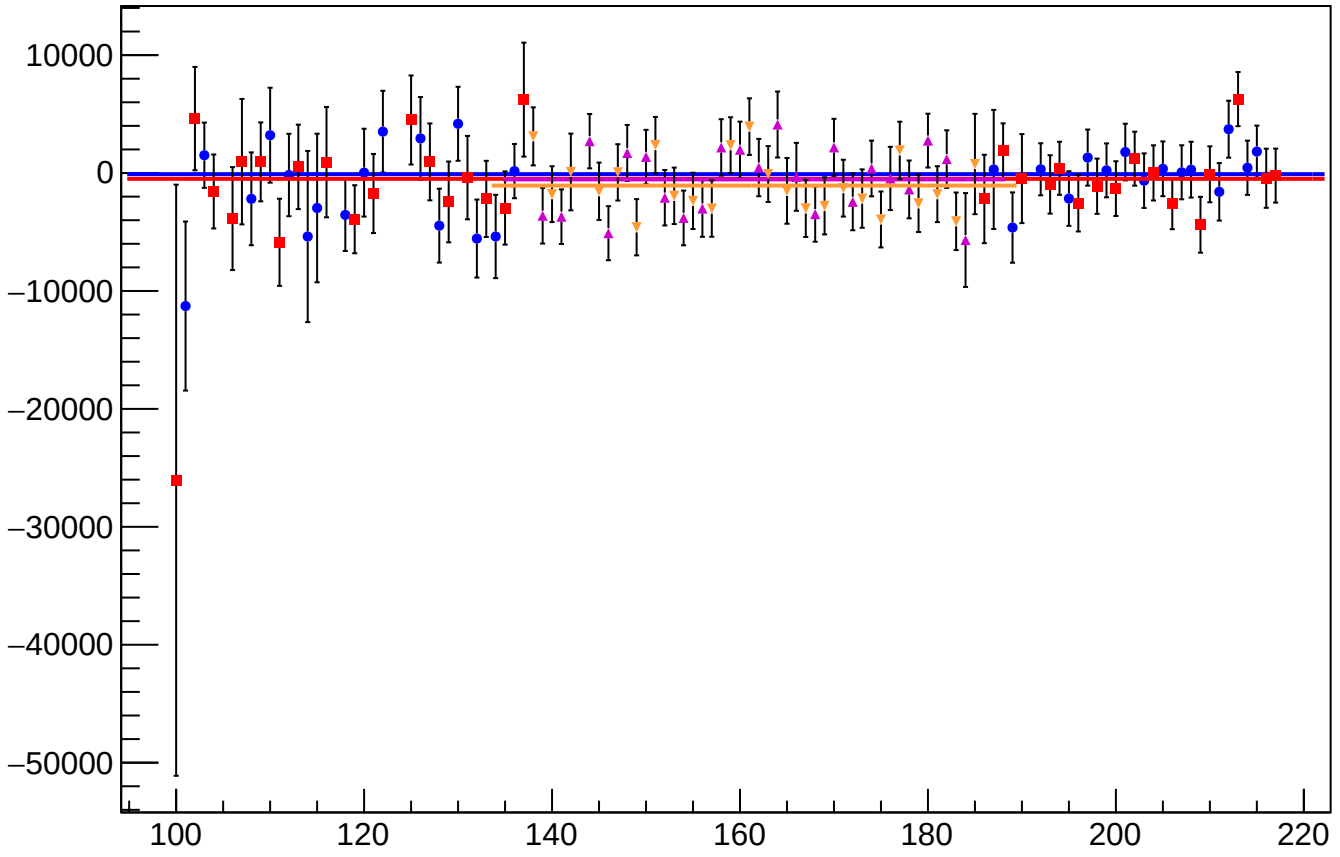
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 222.371+/-0.042 χ^2/NDF: 48925394.1/64

In: 144.028+/-0.022 χ^2/NDF:28205426.6/53

Out: 135.703+/-0.021 χ^2/NDF:31653421.5/57

All: 139.685+/-0.015 χ^2/NDF: 59936223.0/11



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: -491.057+/-498.414 χ^2/NDF: 27.7/33

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

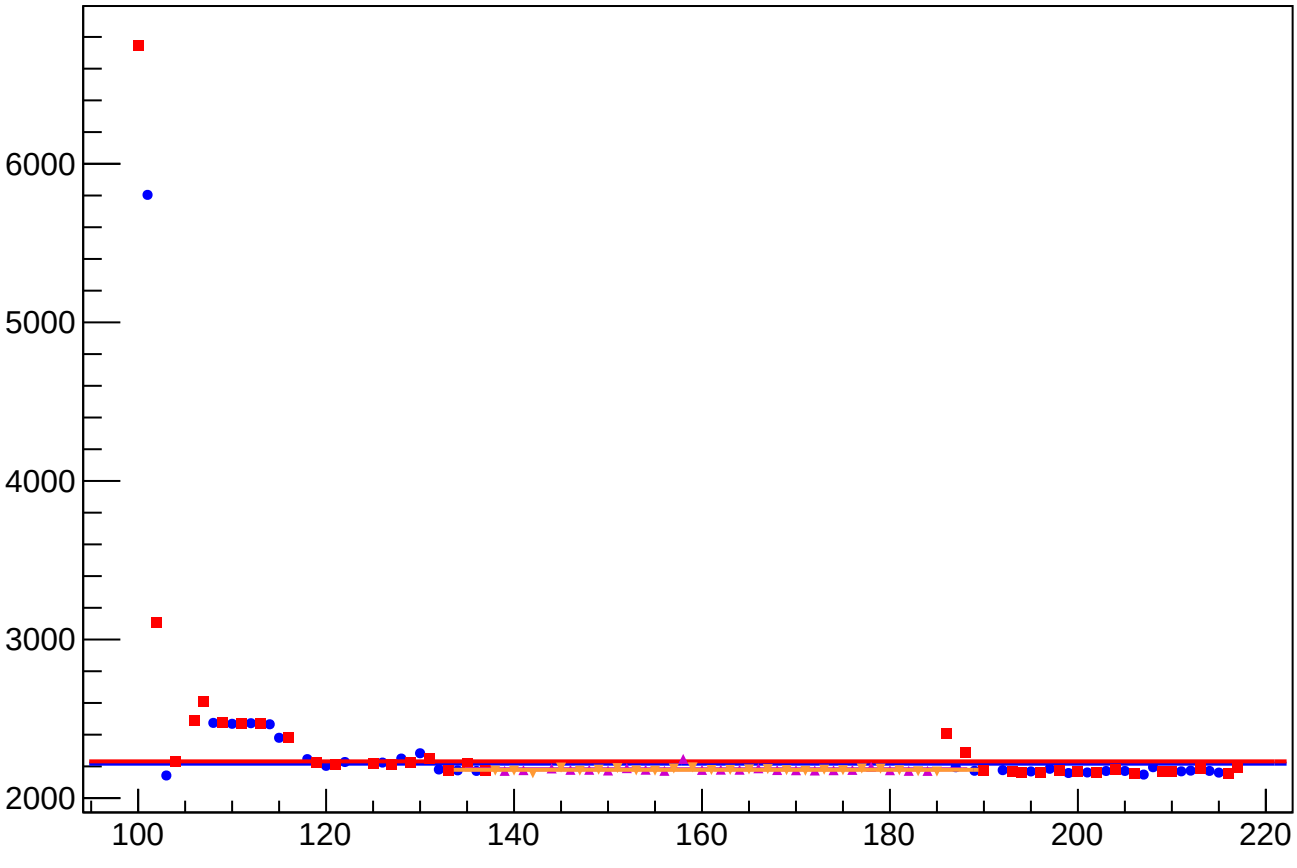
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -296.337+/-355.851 χ^2/NDF: 52.3/64

In: -318.533+/-359.797 χ^2/NDF:52.6/53

Out: -772.611+/-354.955 χ^2/NDF:50.3/57

All: -548.648+/-252.685 χ^2/NDF: 103.6/111



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: 2231.641+/-0.352 χ^2/NDF: 218984.4/33

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

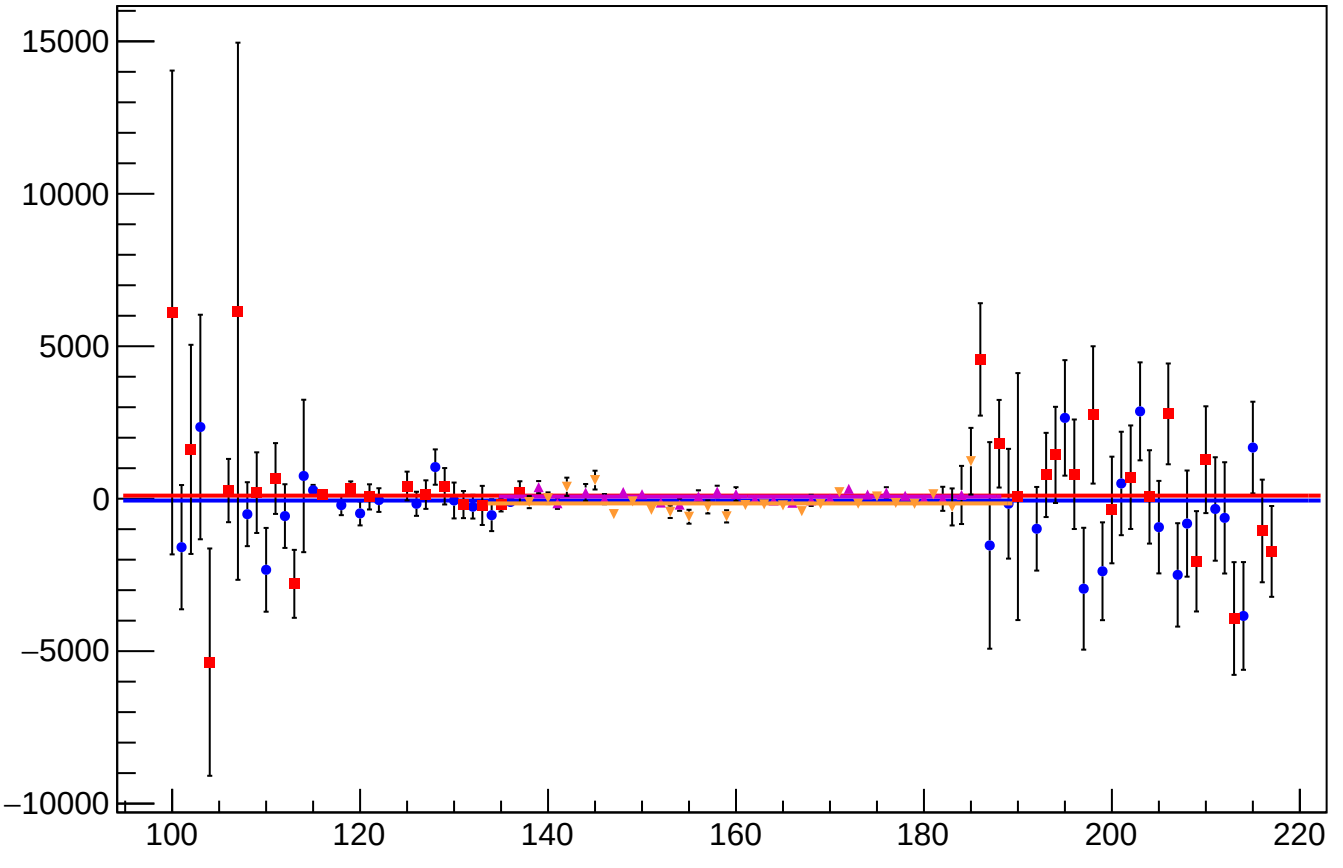
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2224.515+/-0.252 χ^2/NDF: 767493.4/64

In: 2199.535+/-0.254 χ^2/NDF:554304.8/53

Out: 2205.454+/-0.251 χ^2/NDF:230643.9/57

All: 2202.535+/-0.179 χ^2/NDF: 785223.0/111



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: 100.914+/-84.376 χ^2/NDF: 36.5/33

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

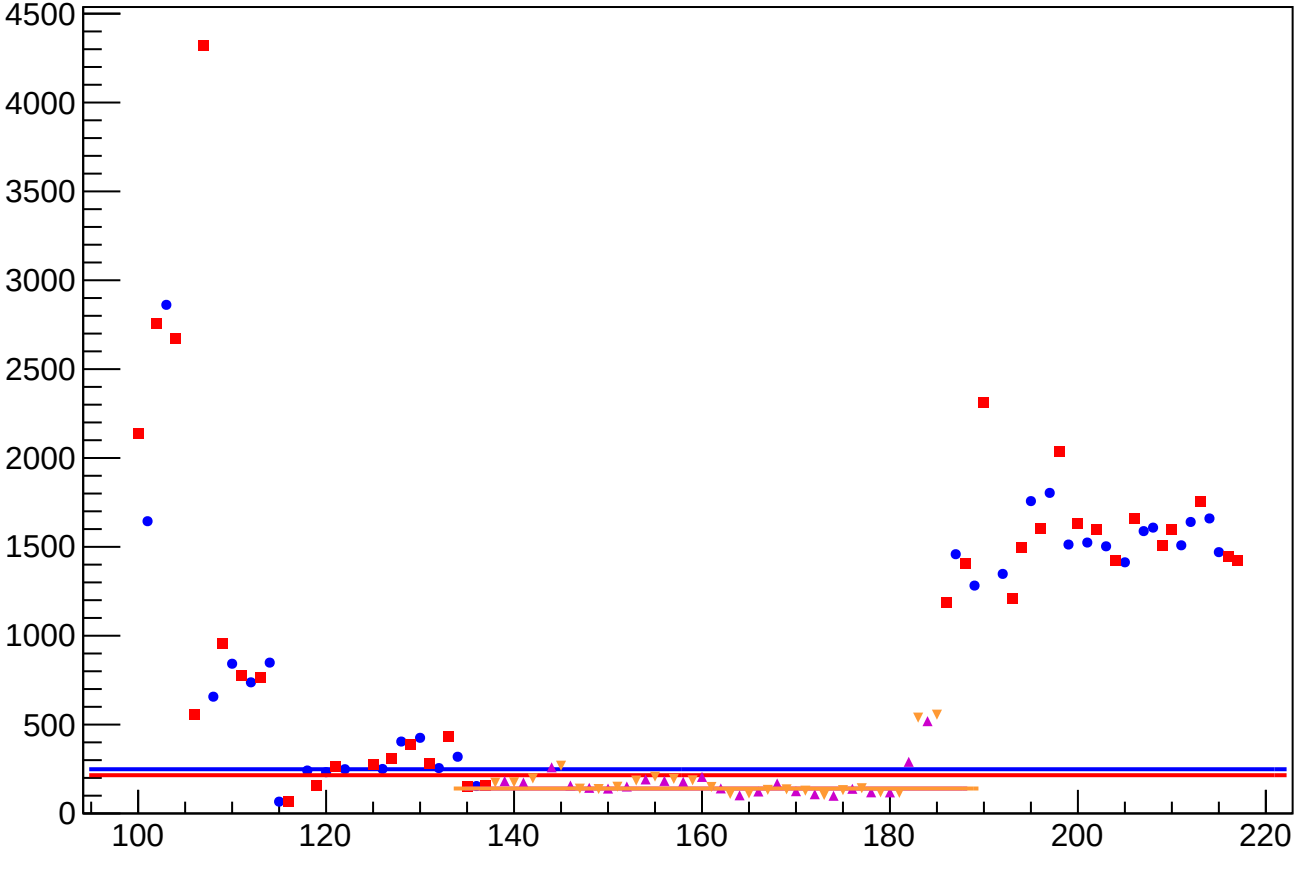
Right: 25.834+/-61.701 χ^2/NDF: 71.2/64

In: 53.804+/-31.994 χ^2/NDF:53.8/53

Out: -118.904+/-31.584 χ^2/NDF:91.7/57

All: -33.662+/-22.477 χ^2/NDF: 160.2/111

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: 215.186+/-0.060 χ^2/NDF: 26820232.8/33

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

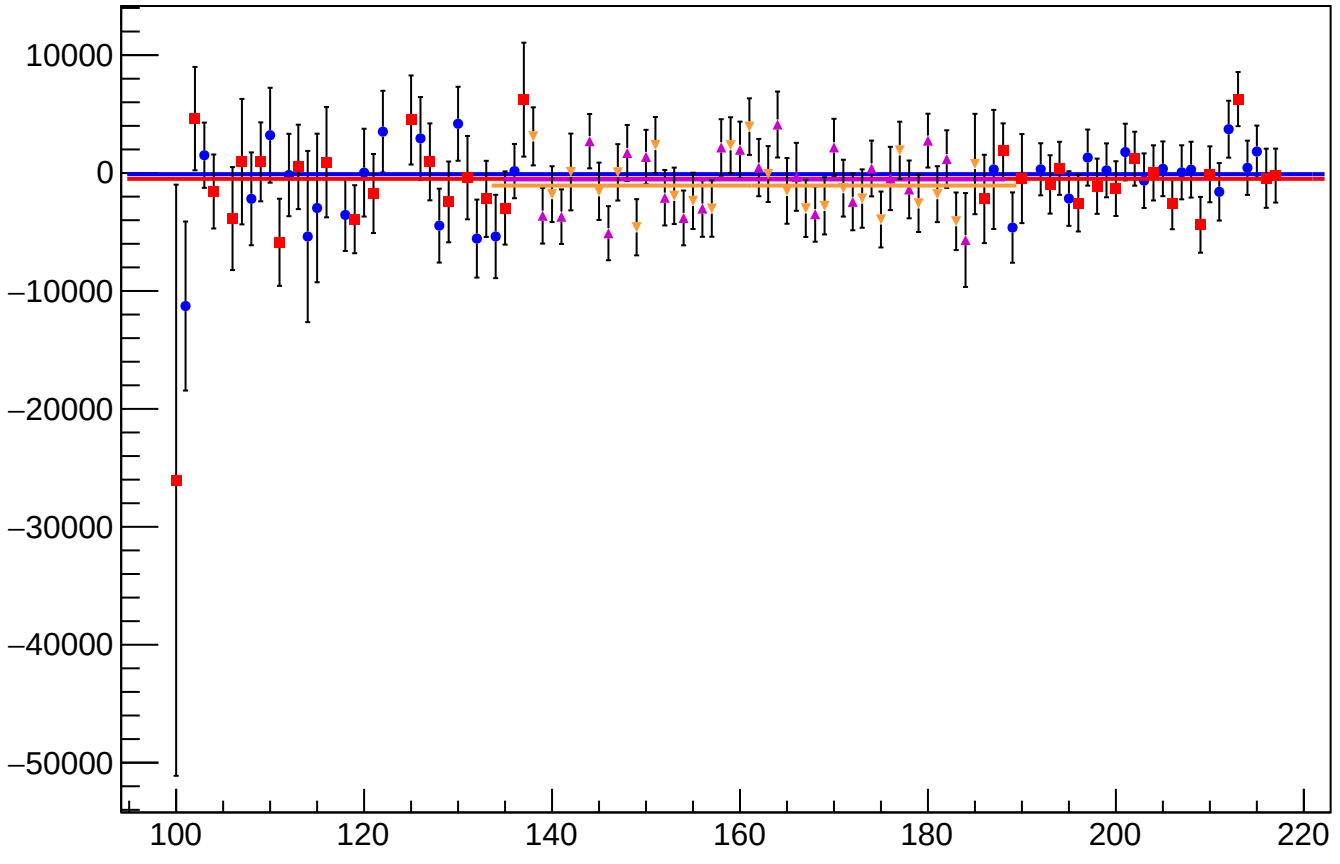
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 230.837+/-0.044 χ^2/NDF: 50086998.7/64

In: 153.594+/-0.023 χ^2/NDF:28064835.0/53

Out: 150.809+/-0.022 χ^2/NDF:30934504.0/57

All: 152.184+/-0.016 χ^2/NDF: 59007014.3/11



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: -491.058+/-498.414 χ^2/NDF: 27.7/33

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

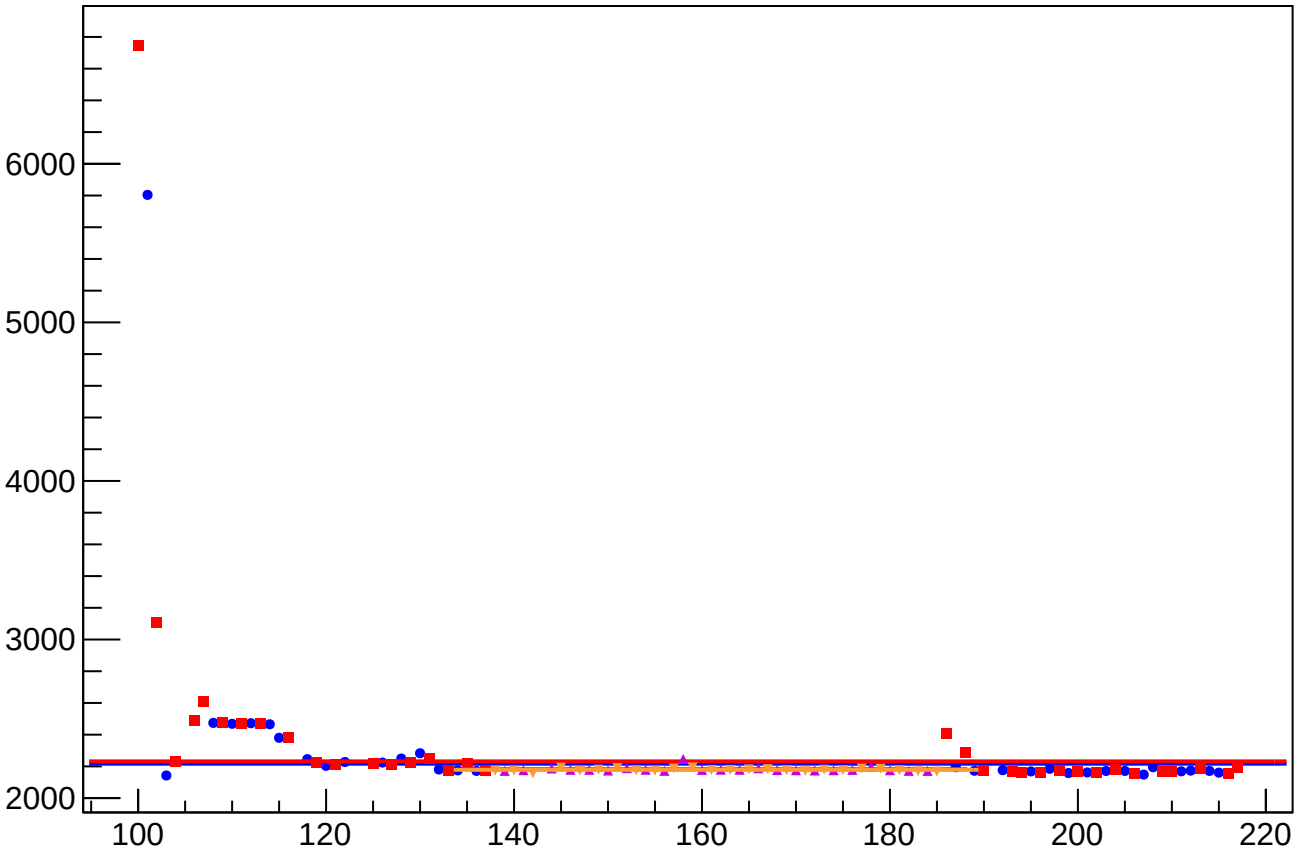
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -296.338+/-355.851 χ^2/NDF: 52.3/64

In: -318.534+/-359.797 χ^2/NDF:52.6/53

Out: -772.612+/-354.955 χ^2/NDF:50.3/57

All: -548.649+/-252.685 χ^2/NDF: 103.6/111



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: 2231.641+/-0.352 χ^2/NDF: 218984.3/33

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

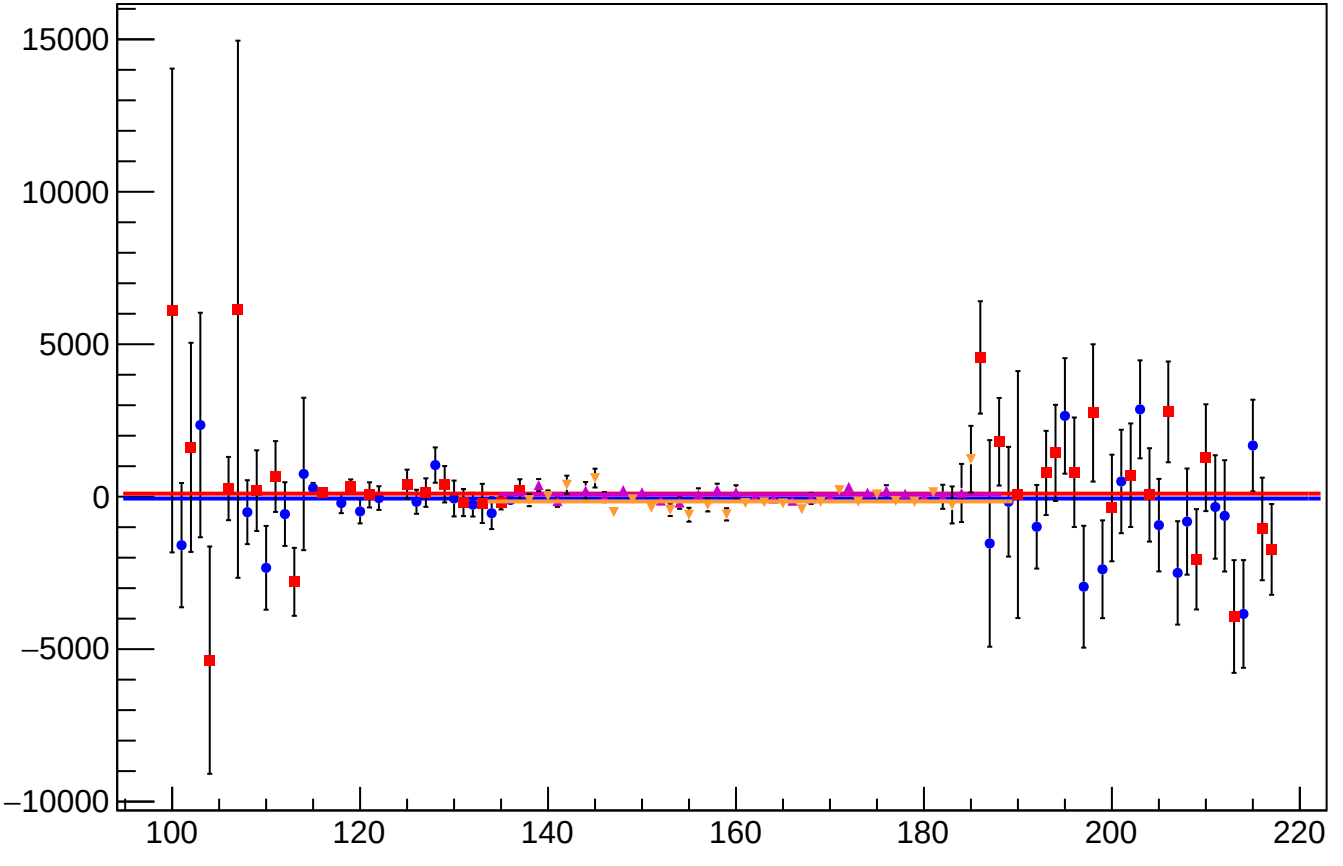
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2224.515+/-0.252 χ^2/NDF: 767493.3/64

In: 2199.535+/-0.254 χ^2/NDF:554304.8/53

Out: 2205.454+/-0.251 χ^2/NDF:230643.8/57

All: 2202.535+/-0.179 χ^2/NDF: 785222.9/111



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: 100.915+/-84.375 χ^2/NDF: 36.5/33

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

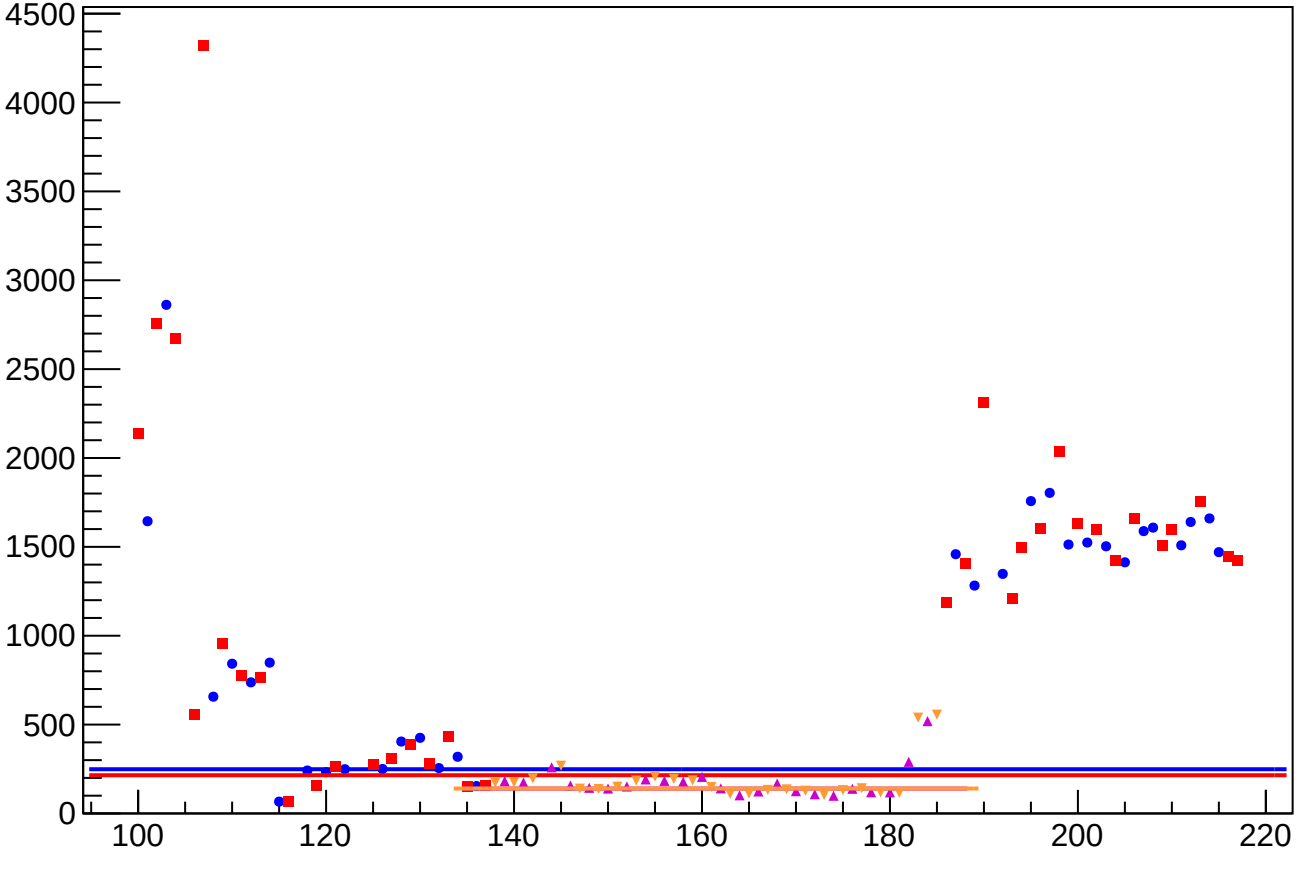
Right: 25.836+/-61.701 χ^2/NDF: 71.2/64

In: 53.804+/-31.994 χ^2/NDF:53.8/53

Out: -118.905+/-31.584 χ^2/NDF:91.7/57

All: -33.662+/-22.477 χ^2/NDF: 160.2/111

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: 215.183+/-0.060 χ^2/NDF: 26820378.7/33

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

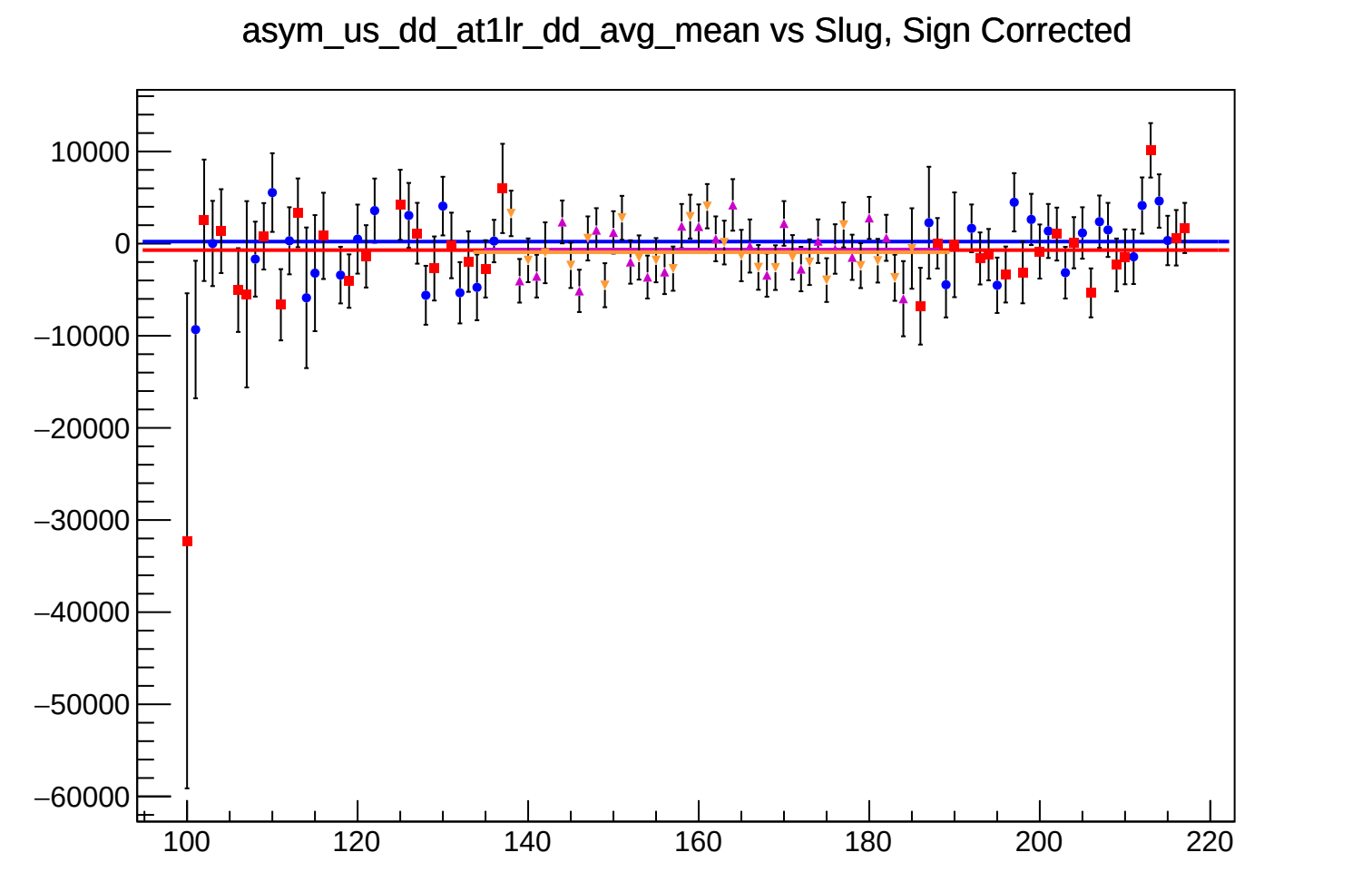
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 230.834+/-0.044 χ^2/NDF: 50087268.6/64

In: 153.594+/-0.023 χ^2/NDF:28064888.6/53

Out: 150.809+/-0.022 χ^2/NDF:30934536.6/57

All: 152.184+/-0.016 χ^2/NDF: 59007100.0/11



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: -705.150+/-583.711 χ^2/NDF: 34.9/33

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

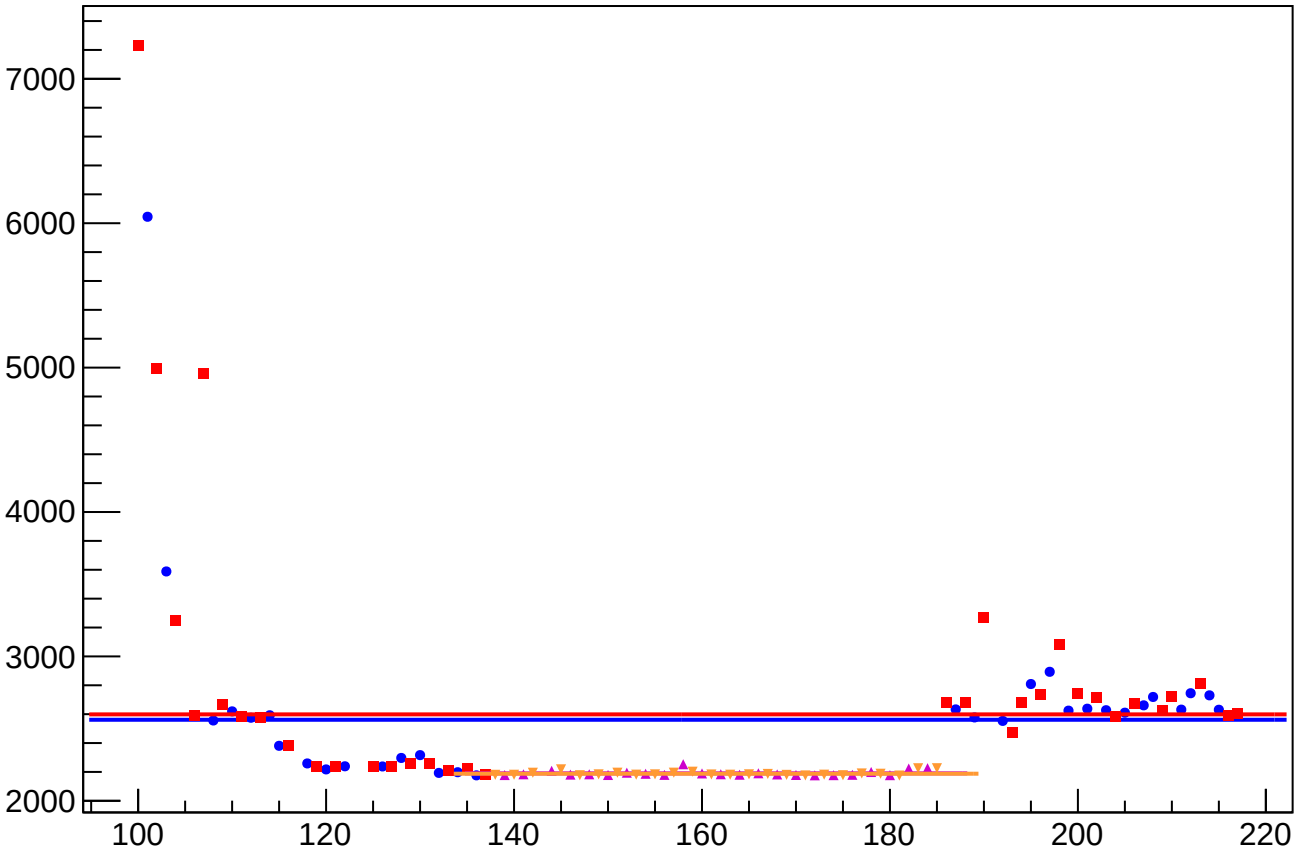
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -246.162+/-414.729 χ^2/NDF: 67.0/64

In: -271.457+/-386.246 χ^2/NDF:59.0/53

Out: -834.295+/-383.080 χ^2/NDF:57.4/57

All: -555.192+/-271.991 χ^2/NDF: 117.5/111



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: 2598.551+/-0.413 χ^2/NDF: 789745.8/33

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

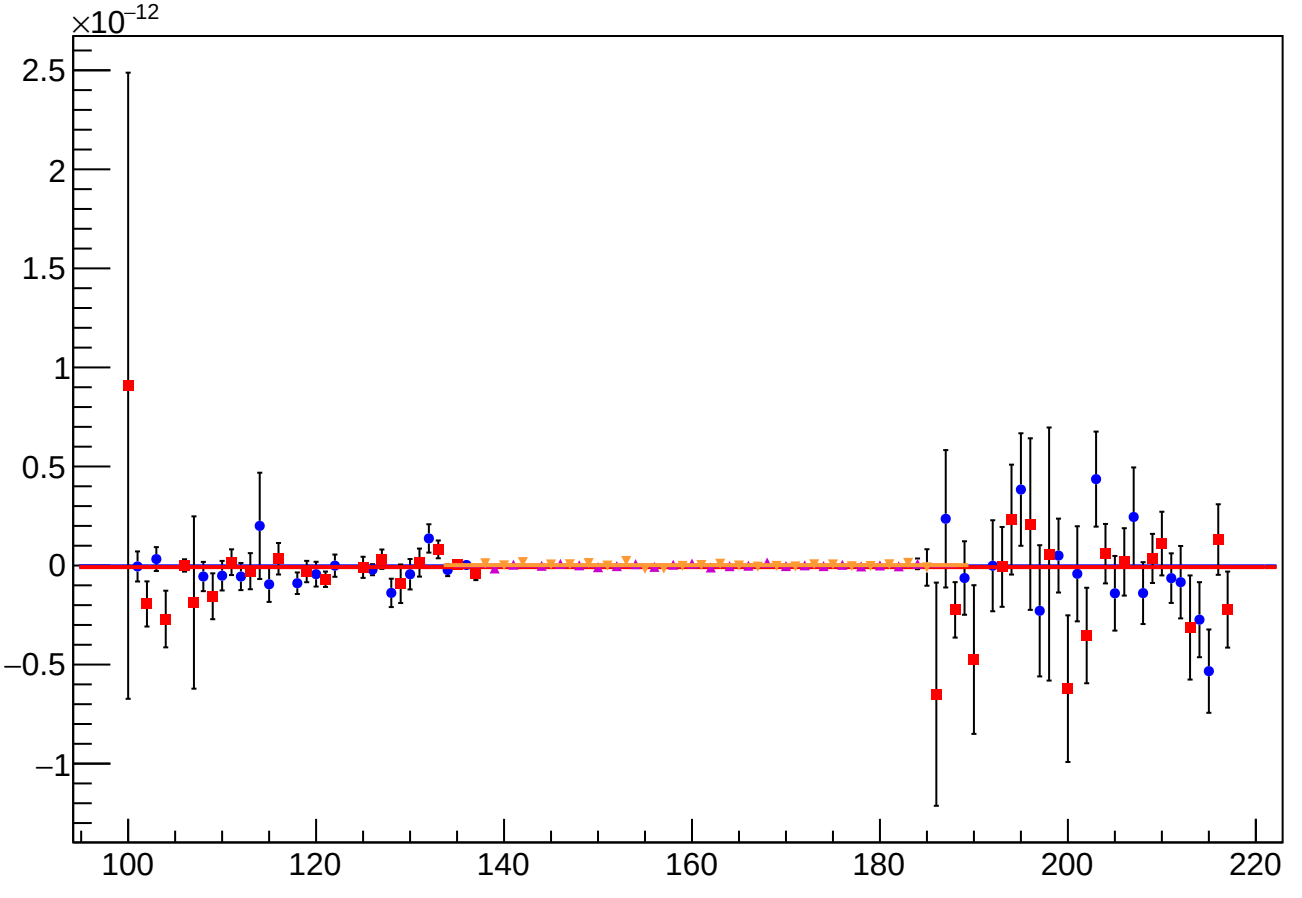
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2580.084+/-0.293 χ^2/NDF: 1591702.4/64

In: 2349.549+/-0.273 χ^2/NDF:1252825.8/53

Out: 2364.611+/-0.271 χ^2/NDF:1355385.1/57

All: 2357.142+/-0.192 χ^2/NDF: 2609744.1/11



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: 34.0/33

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

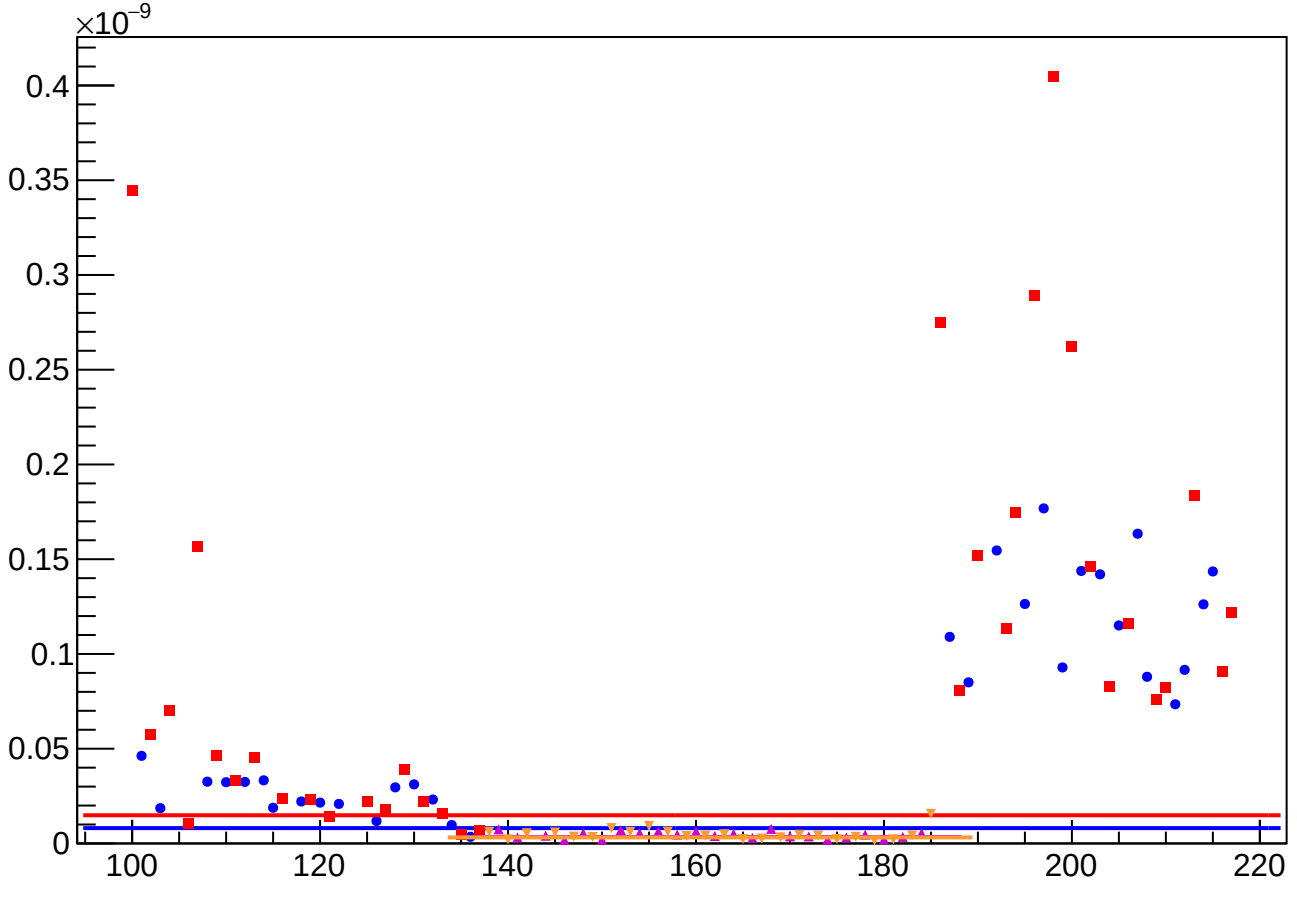
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 67.2/64

In: -0.000+/-0.000 χ^2/NDF:46.7/53

Out: 0.000+/-0.000 χ^2/NDF:54.5/57

All: 0.000+/-0.000 χ^2/NDF: 102.2/111



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: 12030566.6/33

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

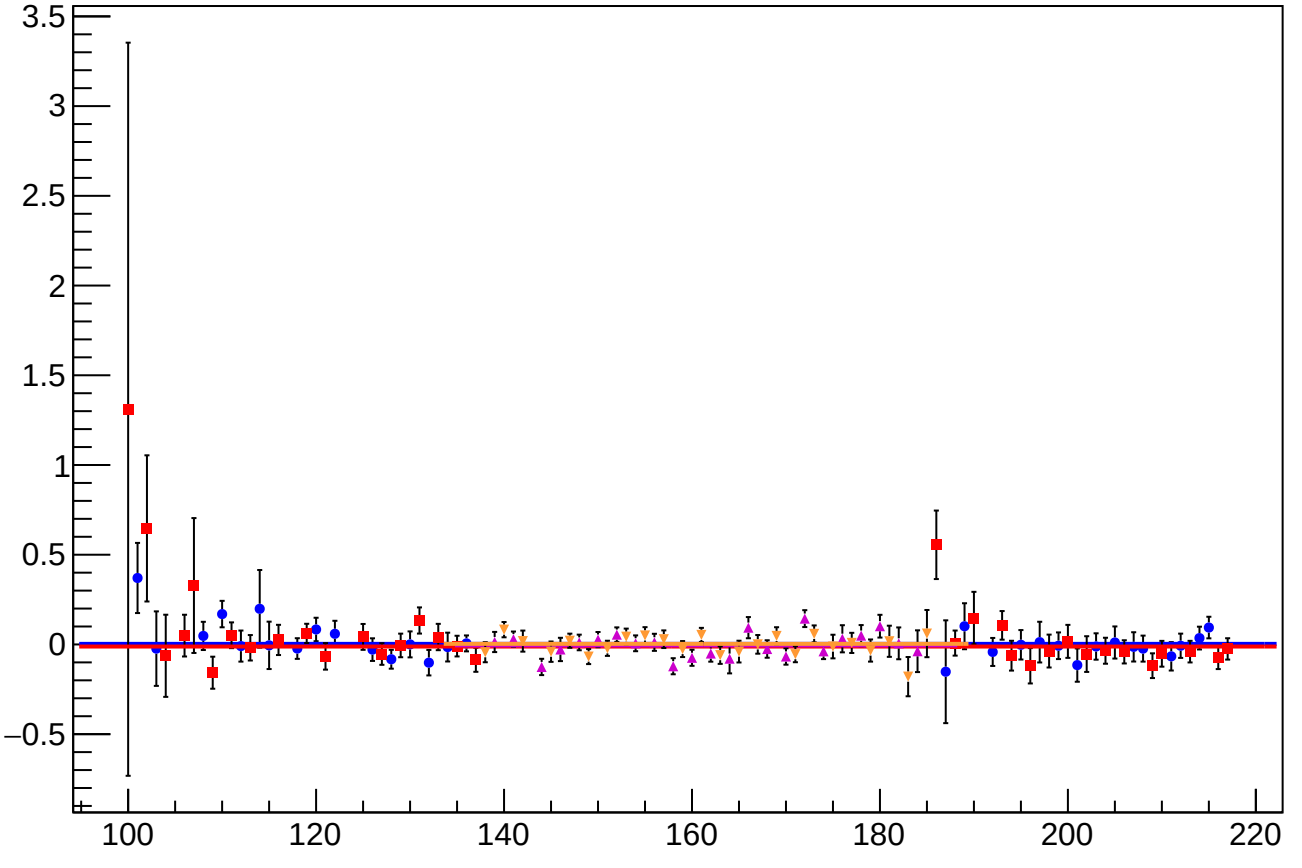
Right: 0.000+/-0.000 χ^2/NDF: 24077540.4/64

In: 0.000+/-0.000 χ^2/NDF:14111774.9/53

Out: 0.000+/-0.000 χ^2/NDF:16999112.6/57

All: 0.000+/-0.000 χ^2/NDF: 31134648.5/111

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: -0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

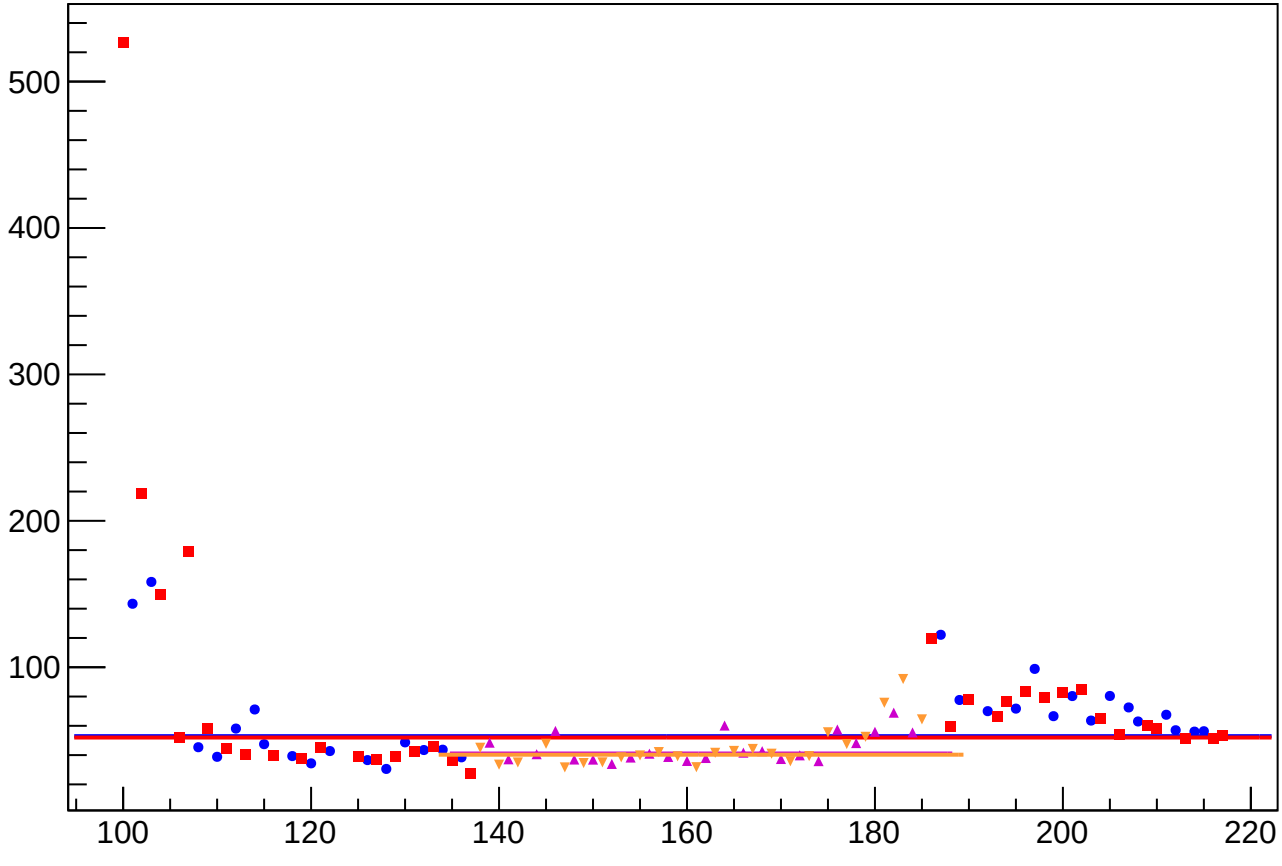
Right: -0.004+/-0.010 χ^2/NDF: 59.6/64

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.002+/-0.008 χ^2/NDF:58.0/57

All: -0.002+/-0.006 χ^2/NDF: 123.3/111

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: 52.003+/-0.009 χ^2/NDF: 3574155.8/33

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

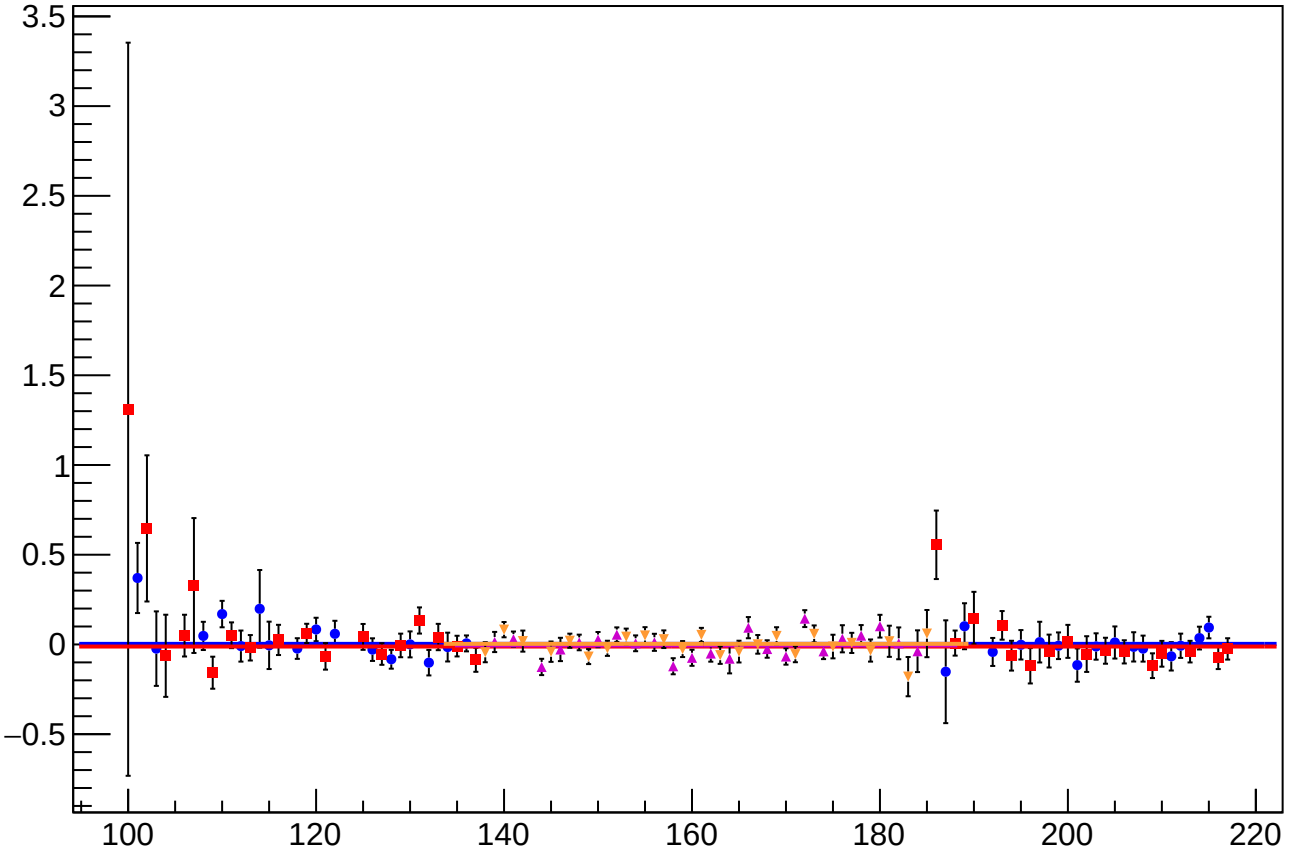
Right: 52.464+/-0.007 χ^2/NDF: 7162115.7/64

In: 45.498+/-0.006 χ^2/NDF:5449102.1/53

Out: 44.660+/-0.006 χ^2/NDF:6019093.5/57

All: 45.070+/-0.004 χ^2/NDF: 11478422.0/11

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: -0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

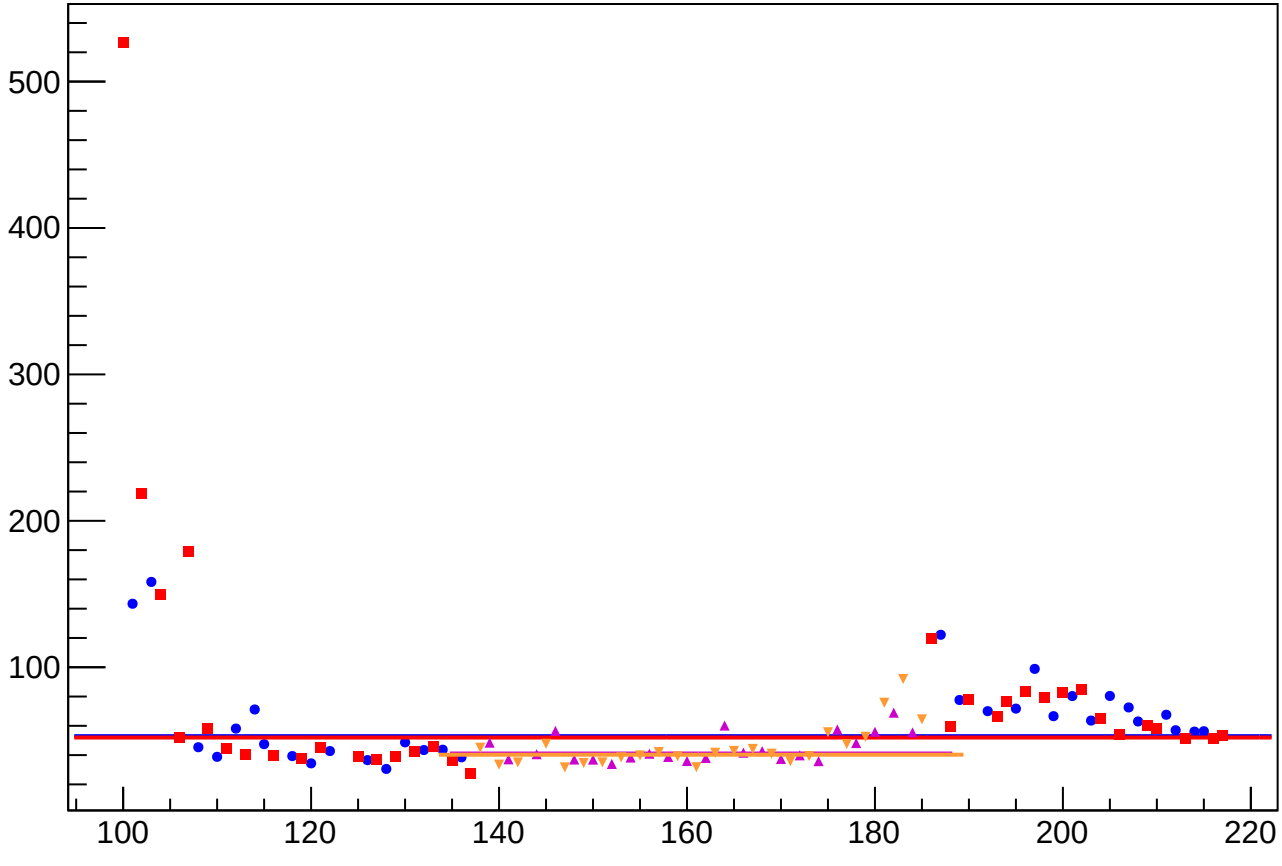
Right: -0.004+/-0.010 χ^2/NDF: 59.6/64

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.002+/-0.008 χ^2/NDF:58.0/57

All: -0.002+/-0.006 χ^2/NDF: 123.3/111

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: 52.003+/-0.009 χ^2/NDF: 3574155.8/33

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

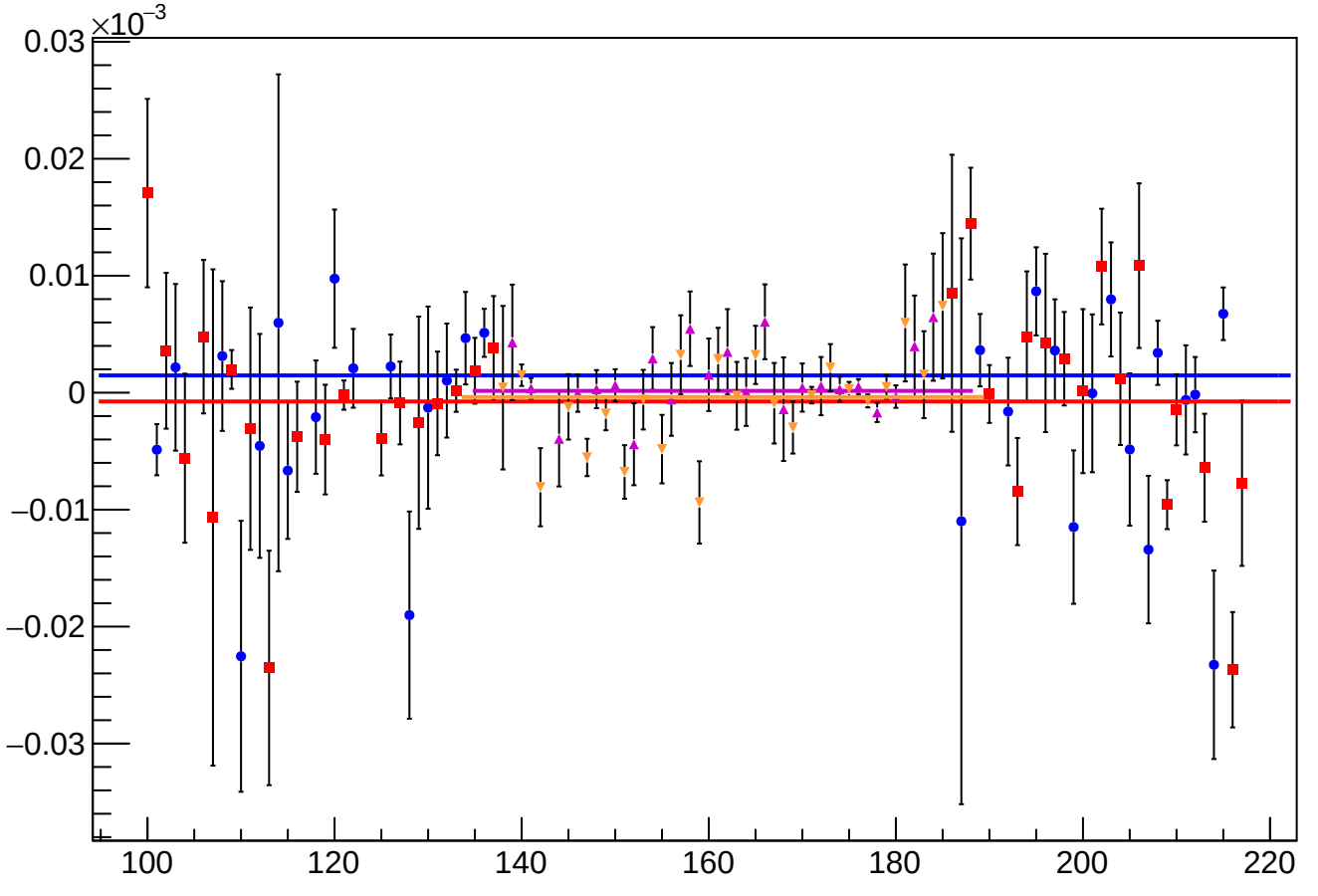
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 52.464+/-0.007 χ^2/NDF: 7162115.7/64

In: 45.498+/-0.006 χ^2/NDF:5449102.1/53

Out: 44.660+/-0.006 χ^2/NDF:6019093.5/57

All: 45.070+/-0.004 χ^2/NDF: 11478422.0/11



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: 85.0/33

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

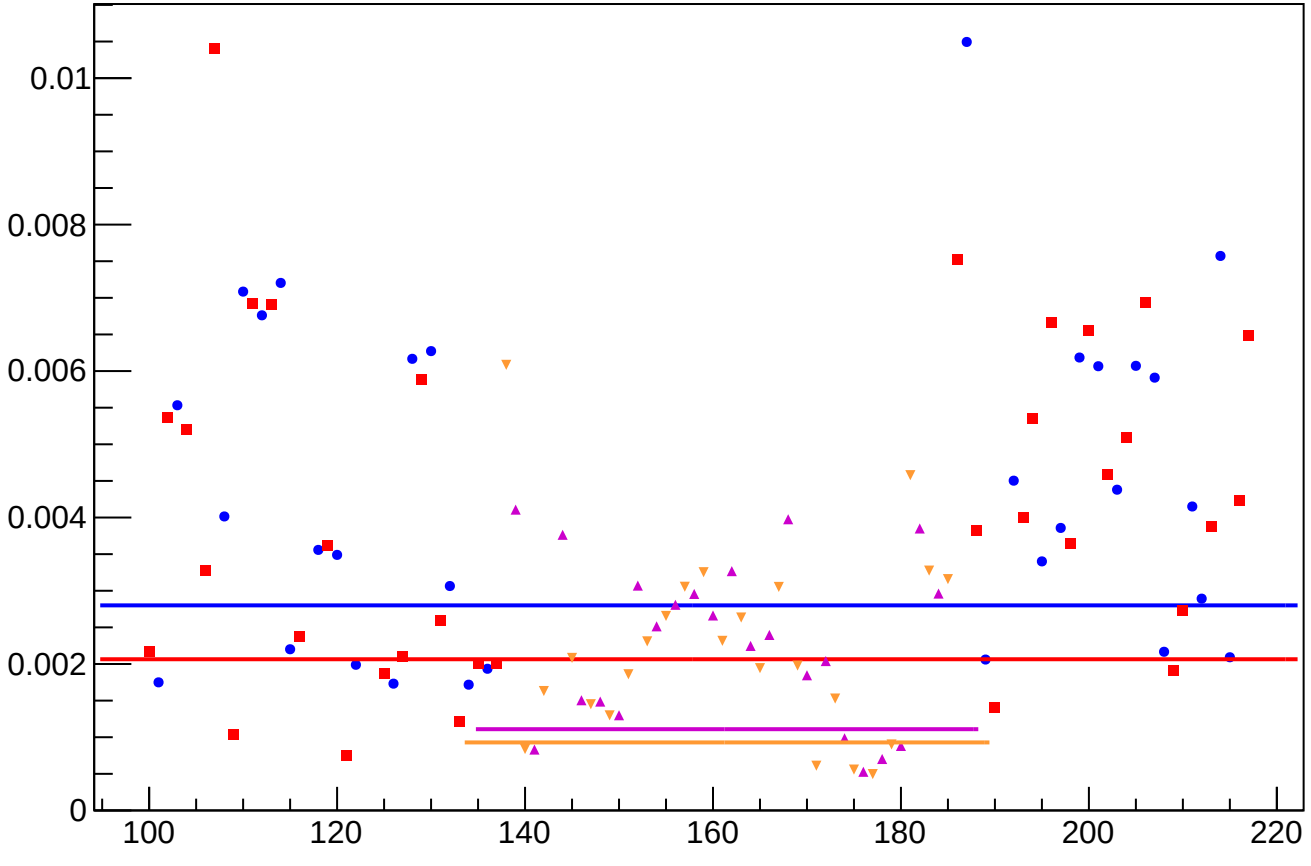
Right: 0.000+/-0.000 χ^2/NDF: 150.9/64

In: 0.000+/-0.000 χ^2/NDF:82.9/53

Out: -0.000+/-0.000 χ^2/NDF:136.6/57

All: -0.000+/-0.000 χ^2/NDF: 223.8/111

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: 13569456.6/33

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

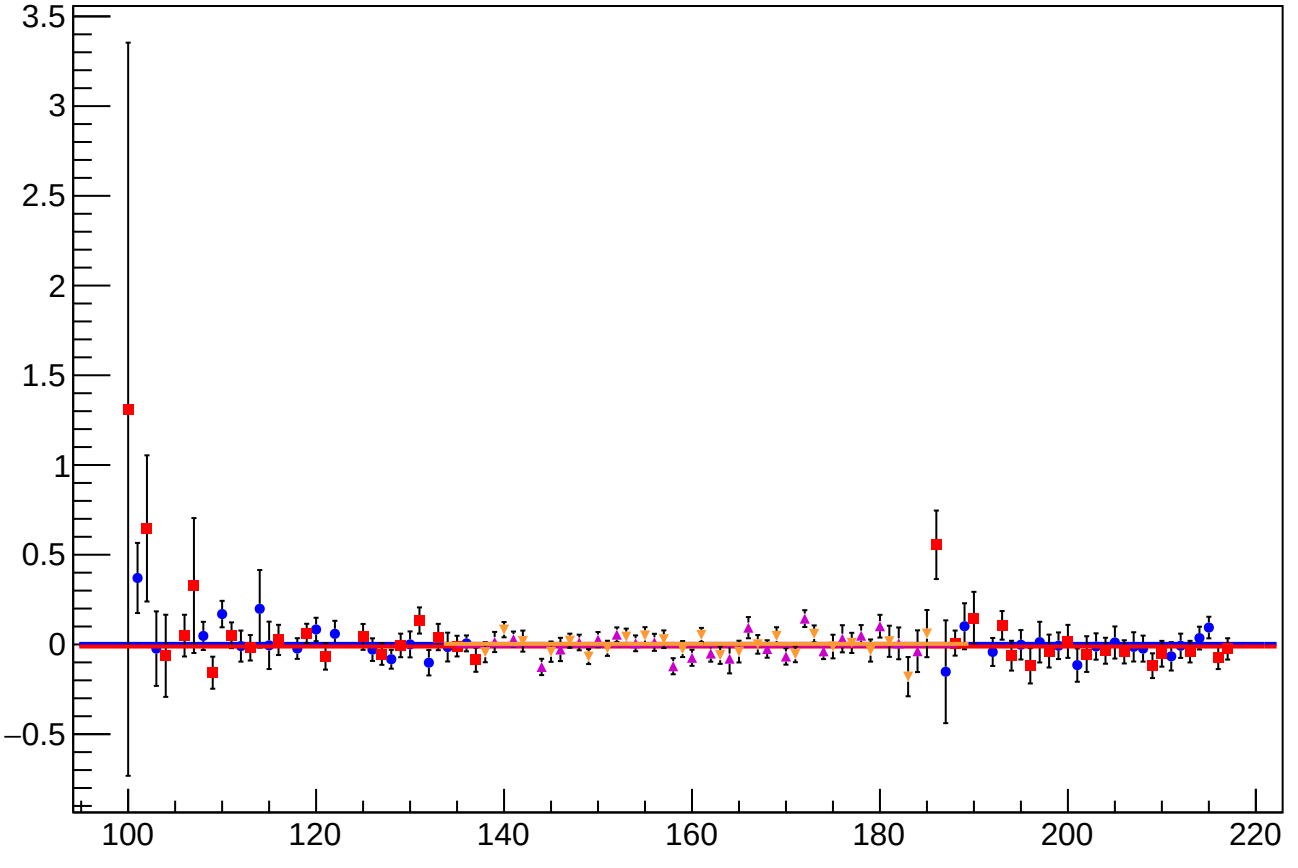
Right: 0.002+/-0.000 χ^2/NDF: 22099822.5/64

In: 0.001+/-0.000 χ^2/NDF:27201034.8/53

Out: 0.001+/-0.000 χ^2/NDF:32170670.0/57

All: 0.001+/-0.000 χ^2/NDF: 60178956.7/111

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: -0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

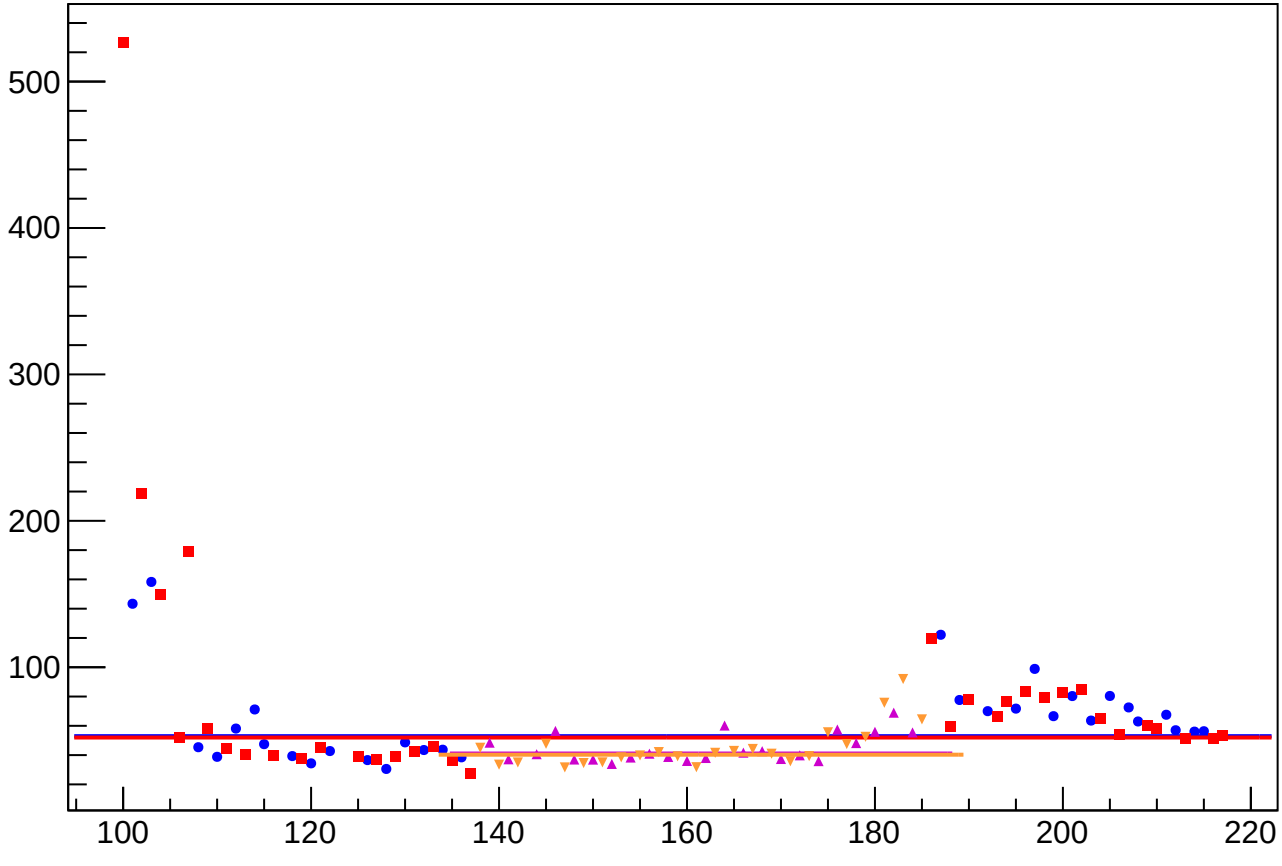
Right: -0.004+/-0.010 χ^2/NDF: 59.6/64

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.002+/-0.008 χ^2/NDF:58.0/57

All: -0.002+/-0.006 χ^2/NDF: 123.3/111

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: 52.004+/-0.009 χ^2/NDF: 3574116.9/33

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

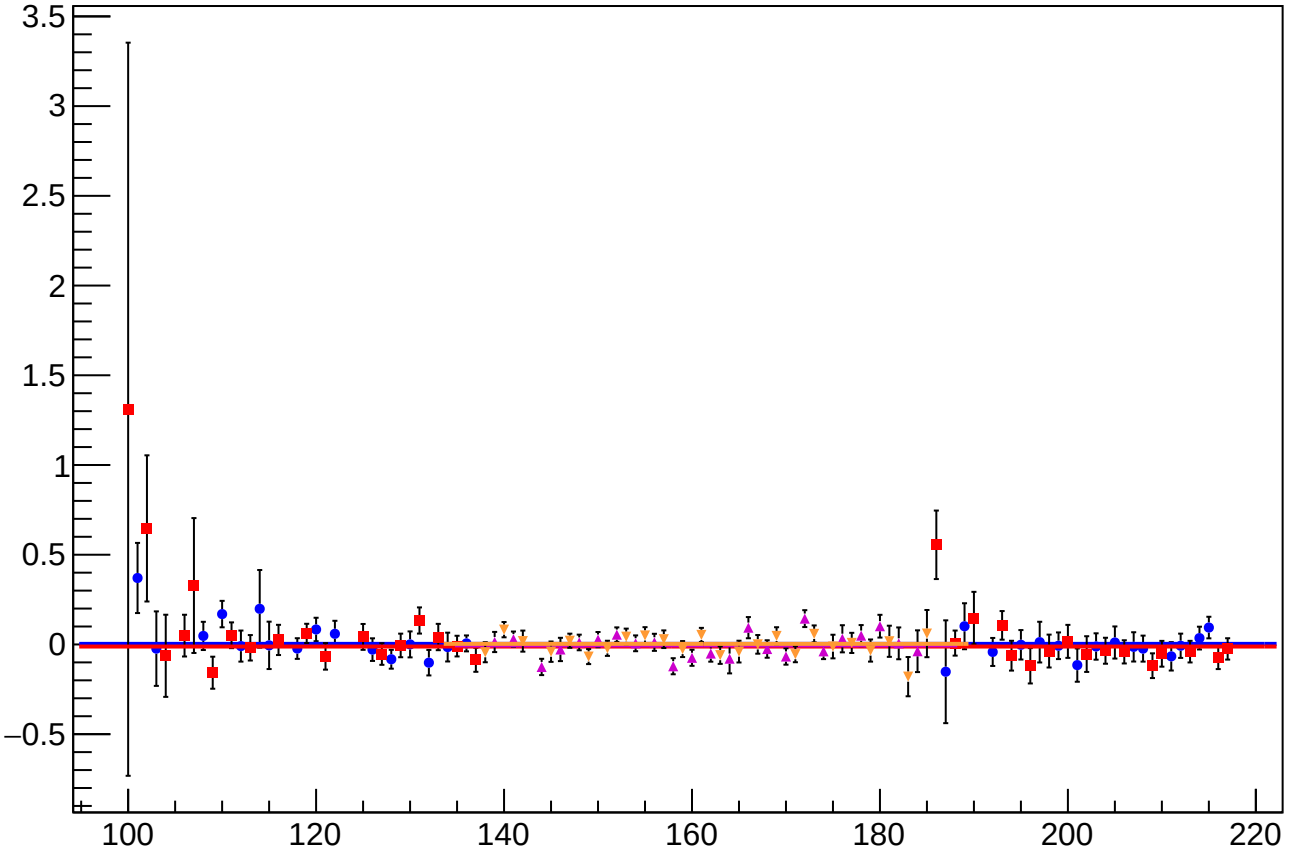
Right: 52.464+/-0.007 χ^2/NDF: 7162698.7/64

In: 45.497+/-0.006 χ^2/NDF:5449532.2/53

Out: 44.660+/-0.006 χ^2/NDF:6019105.5/57

All: 45.070+/-0.004 χ^2/NDF: 11478845.2/11

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: -0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

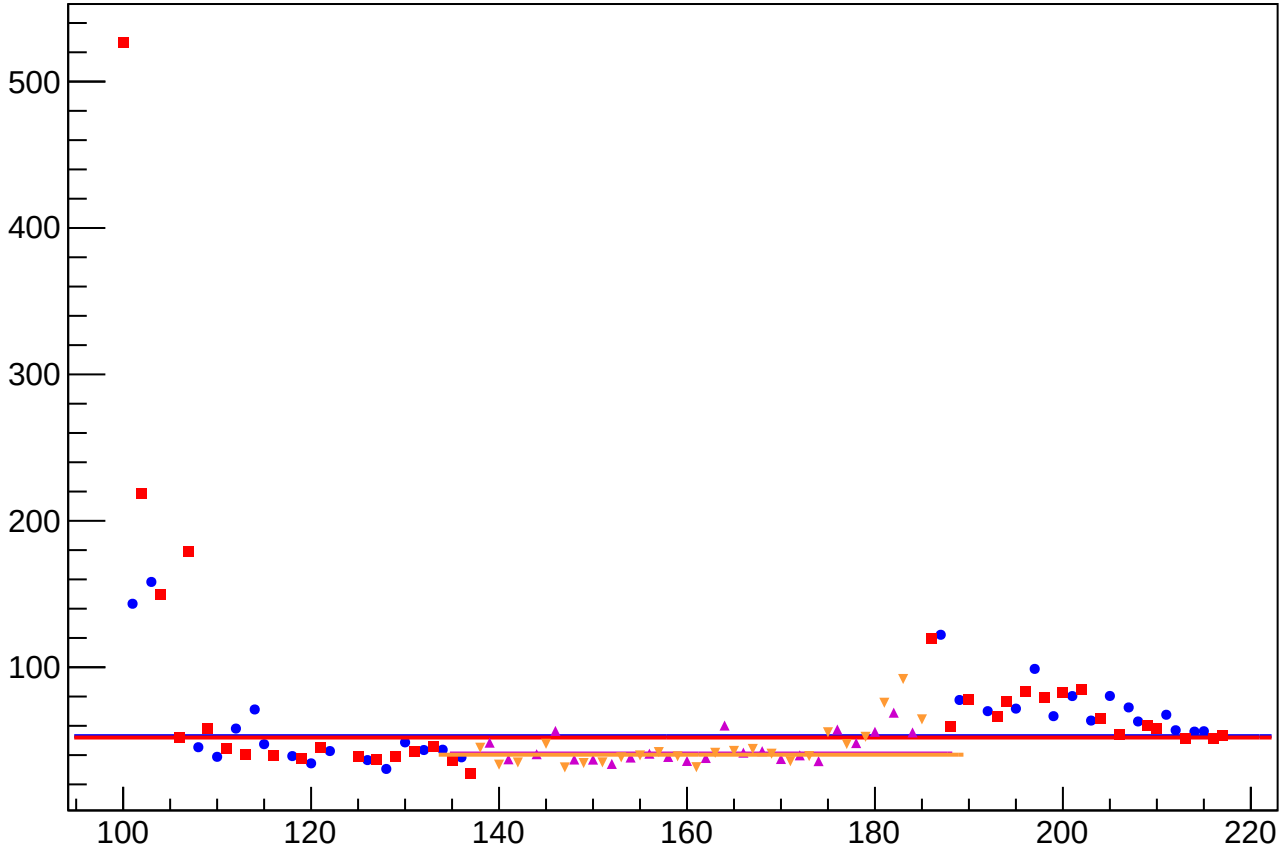
Right: -0.004+/-0.010 χ^2/NDF: 59.6/64

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.002+/-0.008 χ^2/NDF:58.0/57

All: -0.002+/-0.006 χ^2/NDF: 123.3/111

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: 52.004+/-0.009 χ^2/NDF: 3574116.9/33

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

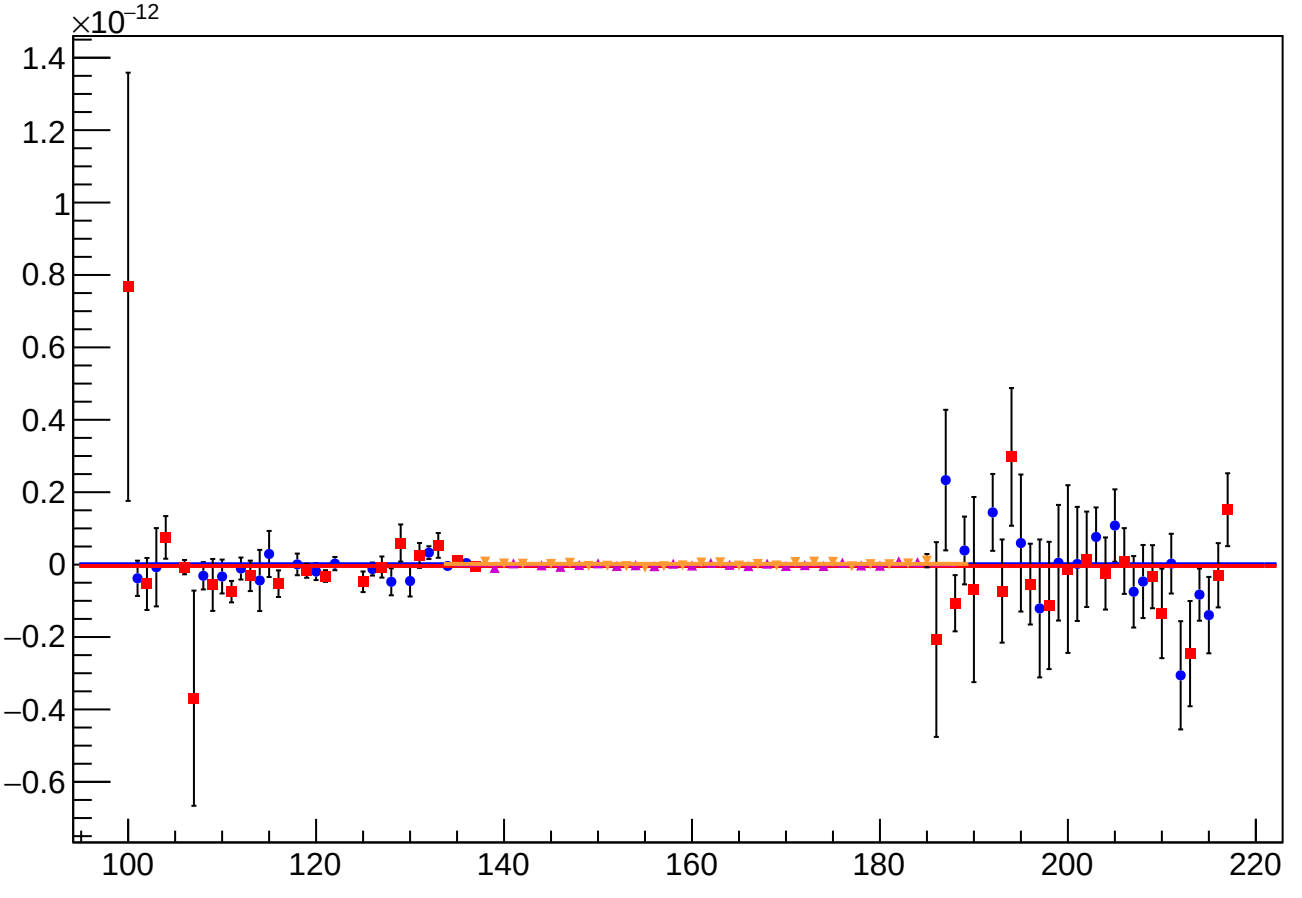
Right: 52.464+/-0.007 χ^2/NDF: 7162698.7/64

In: 45.497+/-0.006 χ^2/NDF:5449532.2/53

Out: 44.660+/-0.006 χ^2/NDF:6019105.5/57

All: 45.070+/-0.004 χ^2/NDF: 11478845.2/11

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: 41.1/33

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

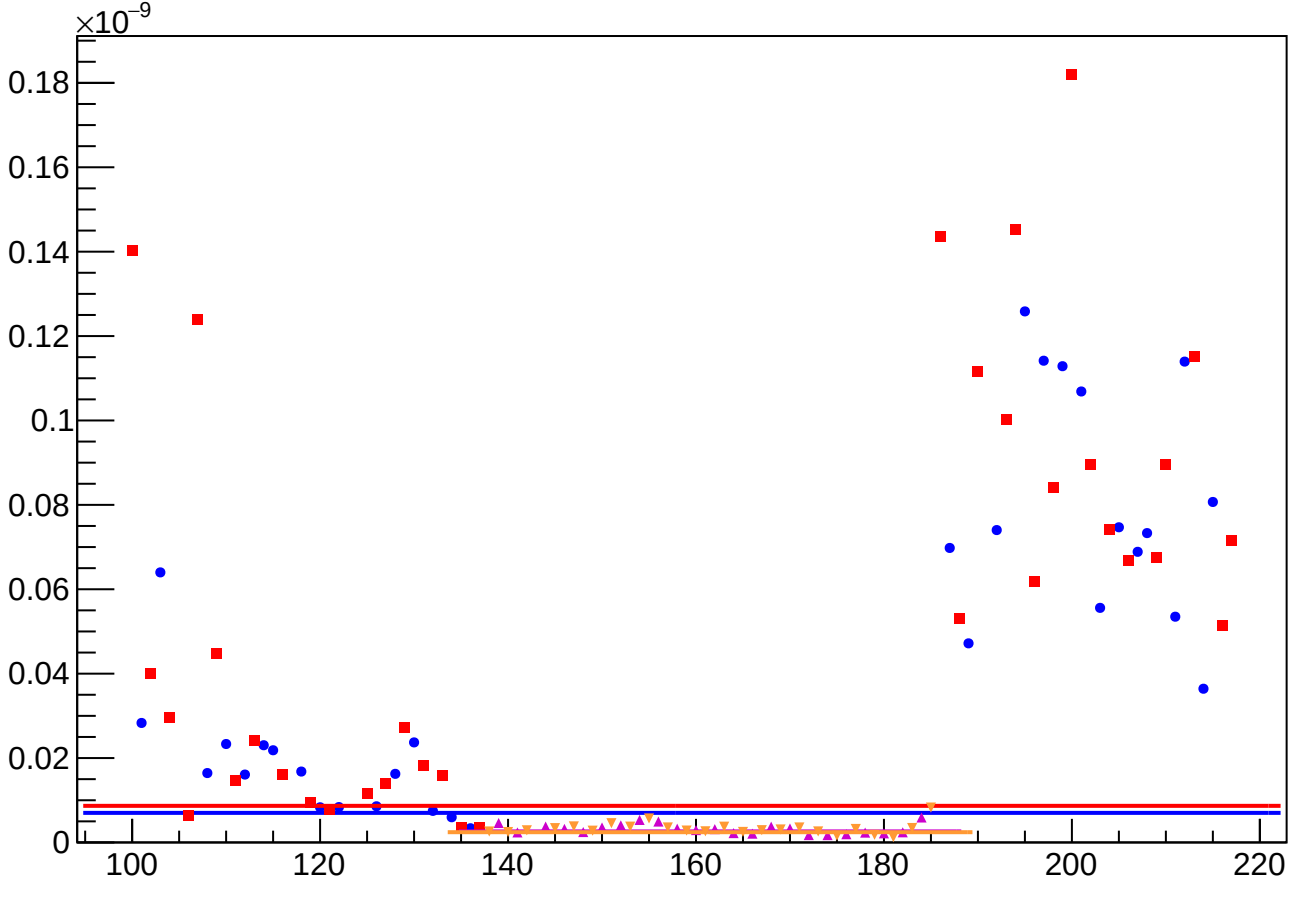
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

Right: -0.000+/-0.000 χ^2/NDF: 66.4/64

In: -0.000+/-0.000 χ^2/NDF:47.8/53

Out: 0.000+/-0.000 χ^2/NDF:67.8/57

All: 0.000+/-0.000 χ^2/NDF: 118.9/111



Right In: 0.000+/-0.000 χ^2/NDF: 14202304.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15871605.8/33

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

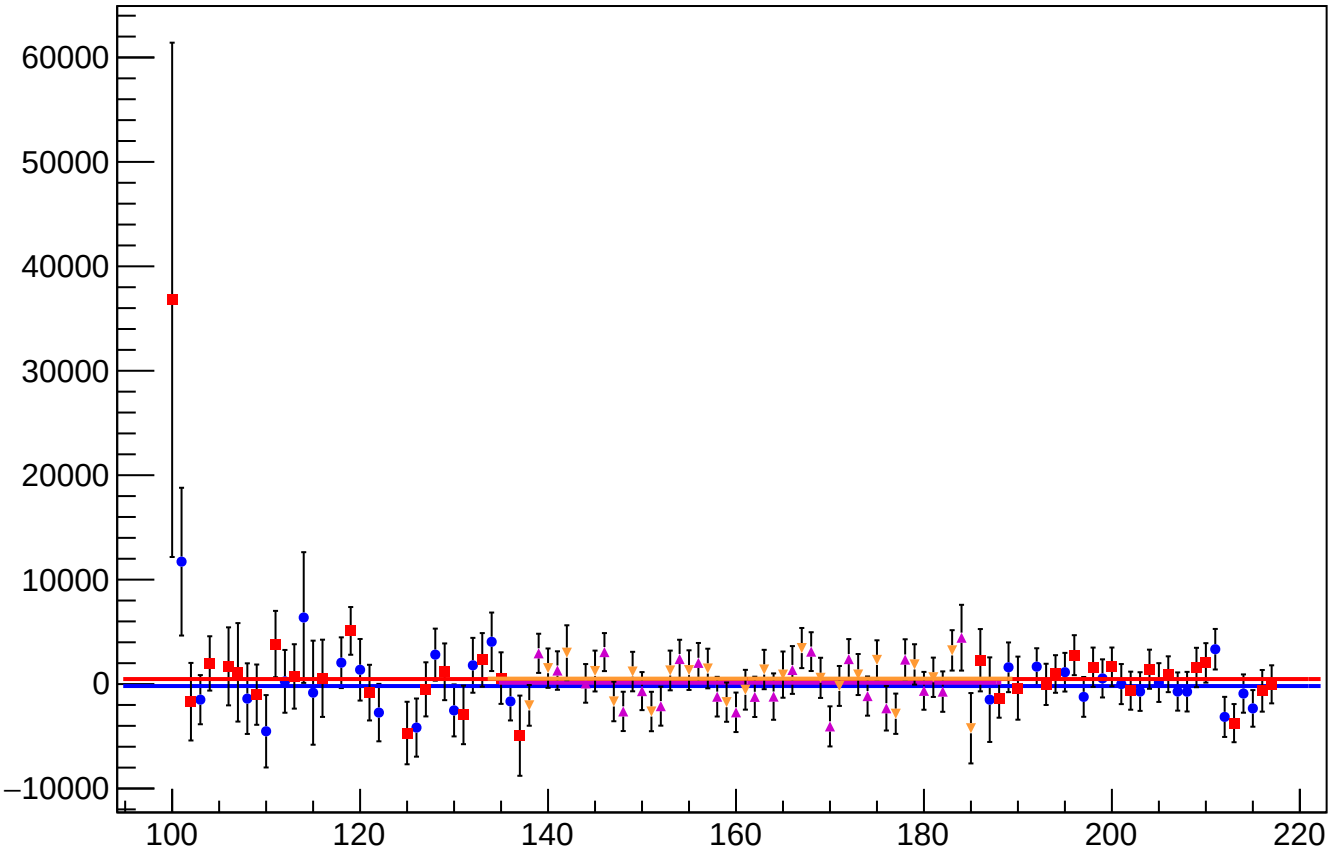
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 30224099.8/64

In: 0.000+/-0.000 χ^2/NDF:18591090.7/53

Out: 0.000+/-0.000 χ^2/NDF:22121864.1/57

All: 0.000+/-0.000 χ^2/NDF: 40779535.8/111



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: 480.868+/-400.516 χ^2/NDF: 27.0/33

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

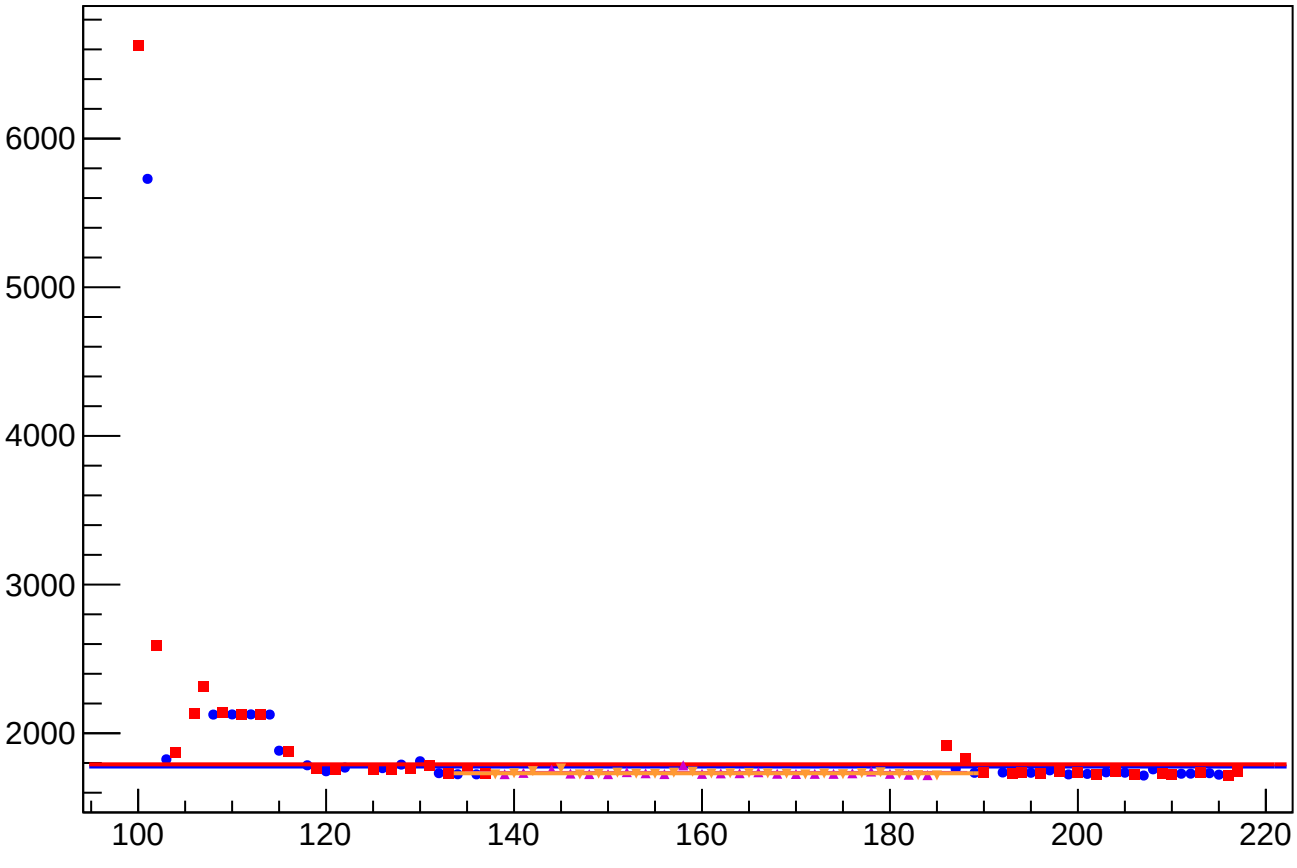
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 152.060+/-285.842 χ^2/NDF: 54.6/64

In: -30.285+/-287.326 χ^2/NDF:55.9/53

Out: 500.340+/-283.627 χ^2/NDF:47.8/57

All: 238.465+/-201.850 χ^2/NDF: 105.5/111



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: 1790.919+/-0.283 χ^2/NDF: 324490.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

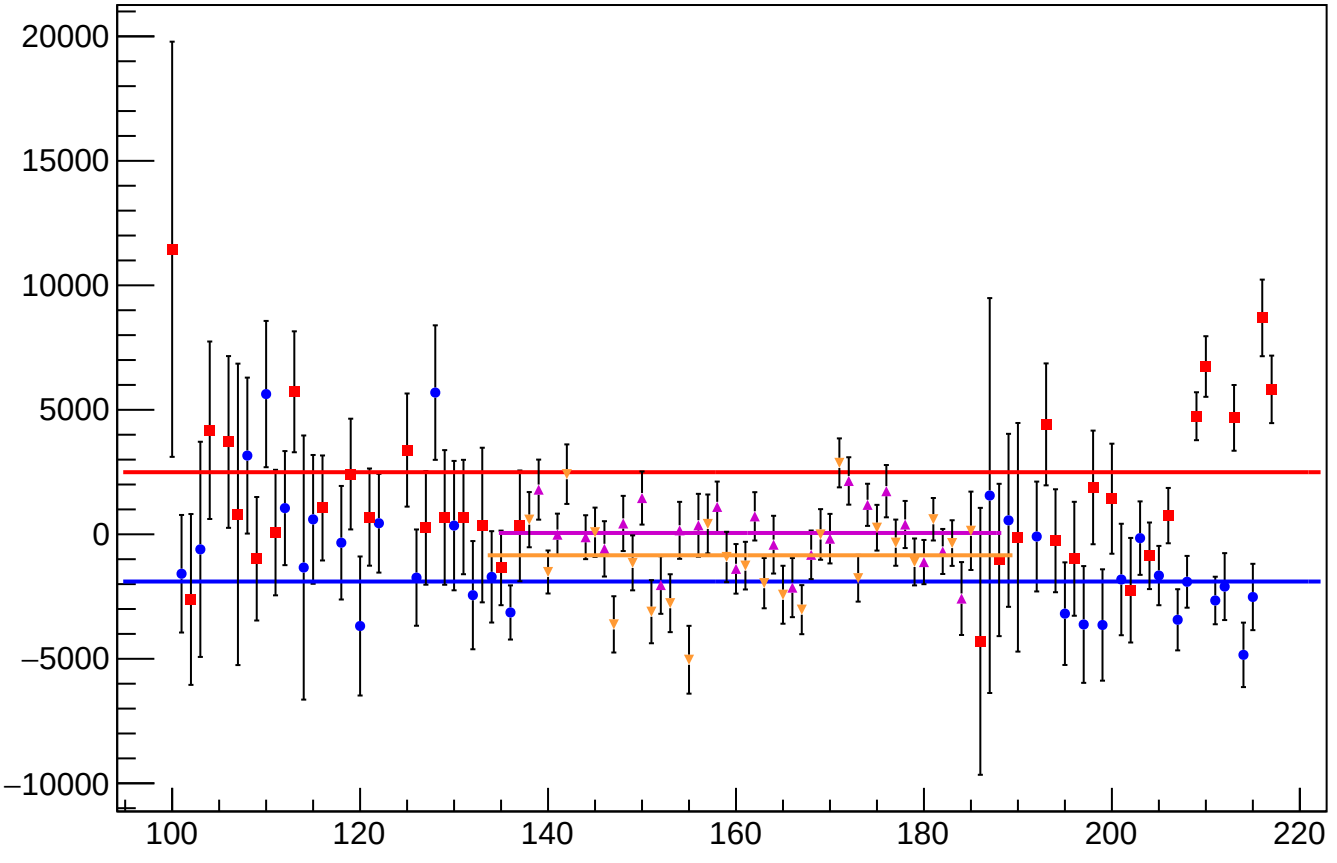
Right: 1783.681+/-0.202 χ^2/NDF: 1046905.3/64

In: 1754.405+/-0.203 χ^2/NDF:734603.6/53

Out: 1760.972+/-0.201 χ^2/NDF:347888.8/57

All: 1757.731+/-0.143 χ^2/NDF: 1083021.4/11

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: 2494.765+/-333.331 χ^2/NDF: 84.7/33

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

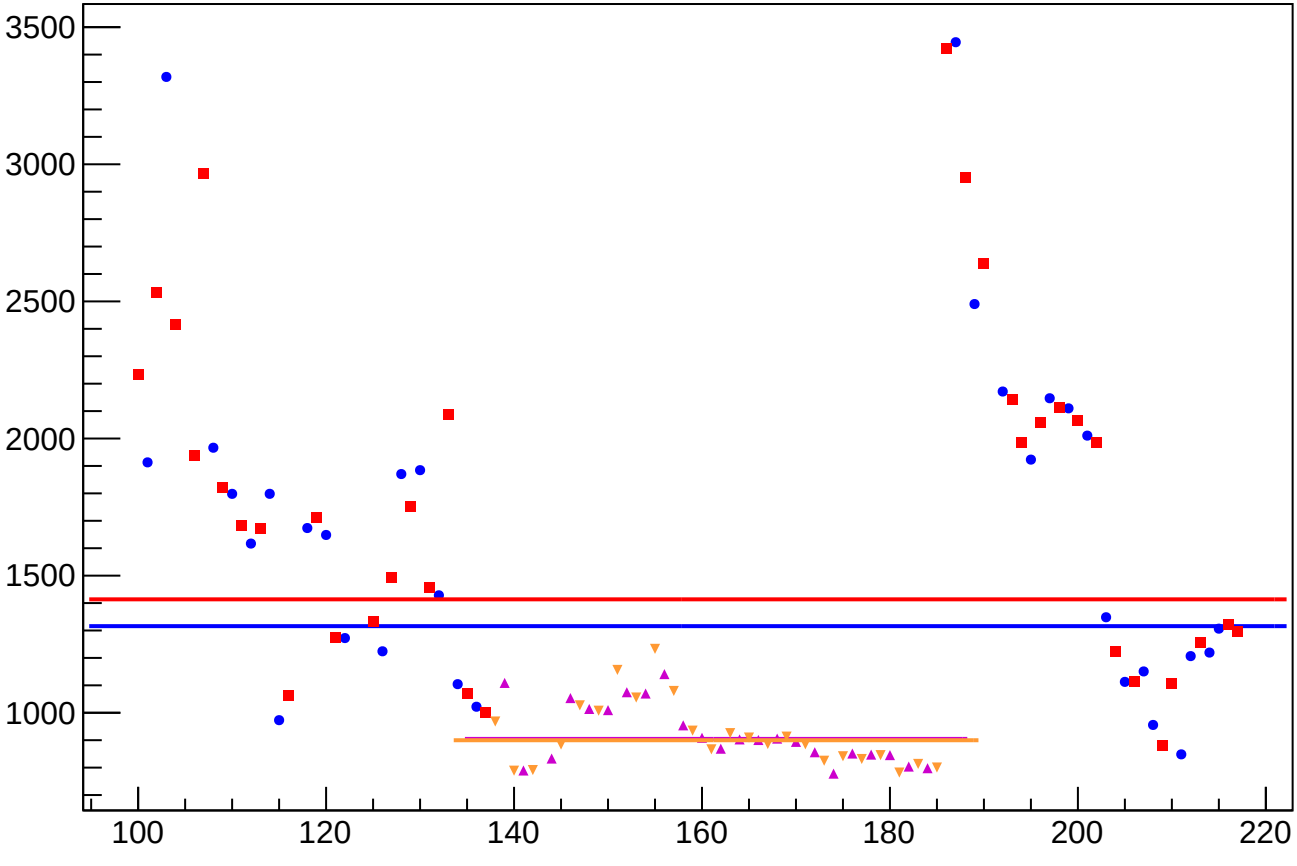
Right: 184.597+/-229.464 χ^2/NDF: 212.1/64

In: -554.260+/-176.665 χ^2/NDF:92.9/53

Out: 111.276+/-178.194 χ^2/NDF:218.9/57

All: -224.360+/-125.458 χ^2/NDF: 318.9/111

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: 1413.596+/-0.236 χ^2/NDF: 3976179.4/33

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

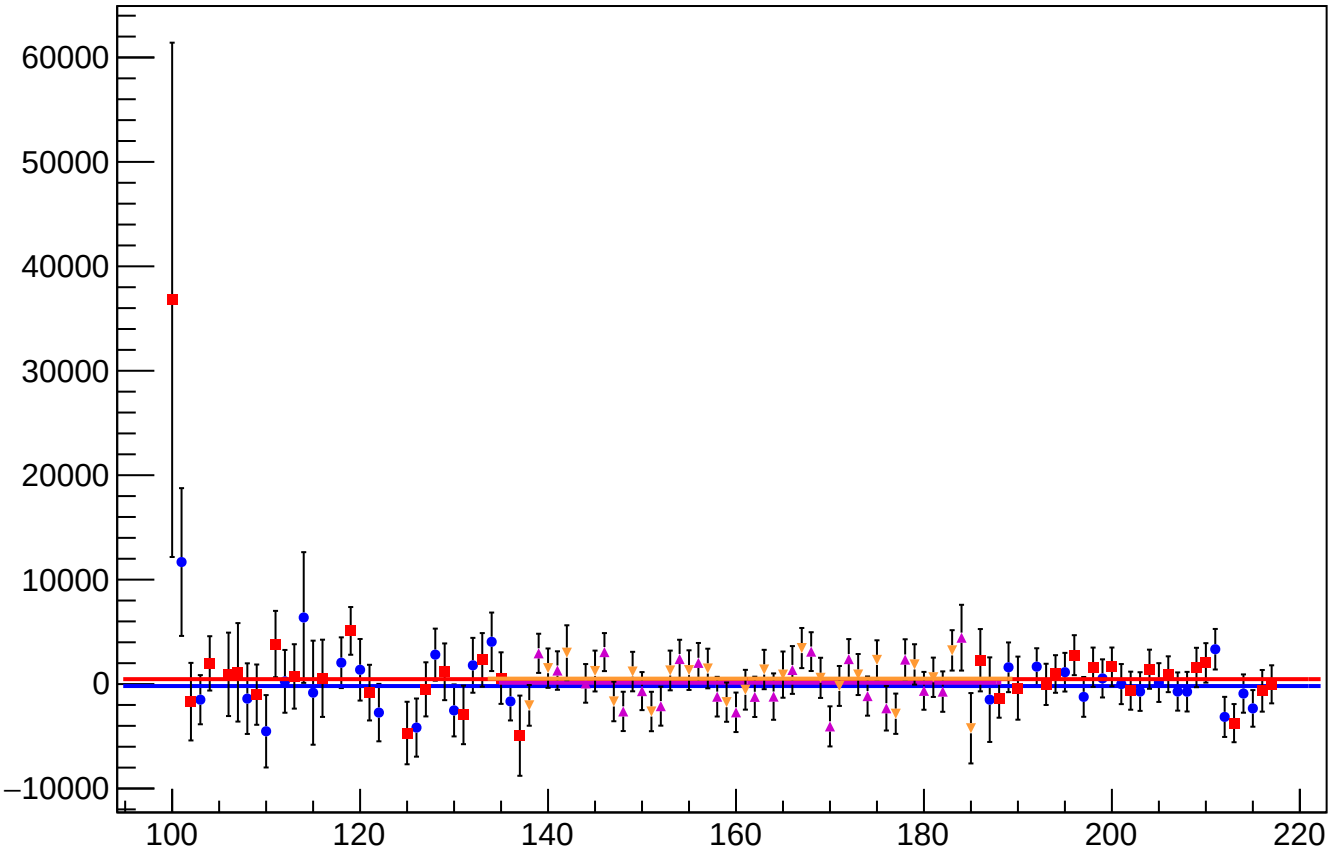
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1362.170+/-0.162 χ^2/NDF: 7674584.2/64

In: 1032.888+/-0.125 χ^2/NDF:6385315.8/53

Out: 1046.642+/-0.126 χ^2/NDF:7865187.1/57

All: 1039.706+/-0.089 χ^2/NDF: 14256511.7/1



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: 471.548+/-400.805 χ^2/NDF: 27.0/33

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

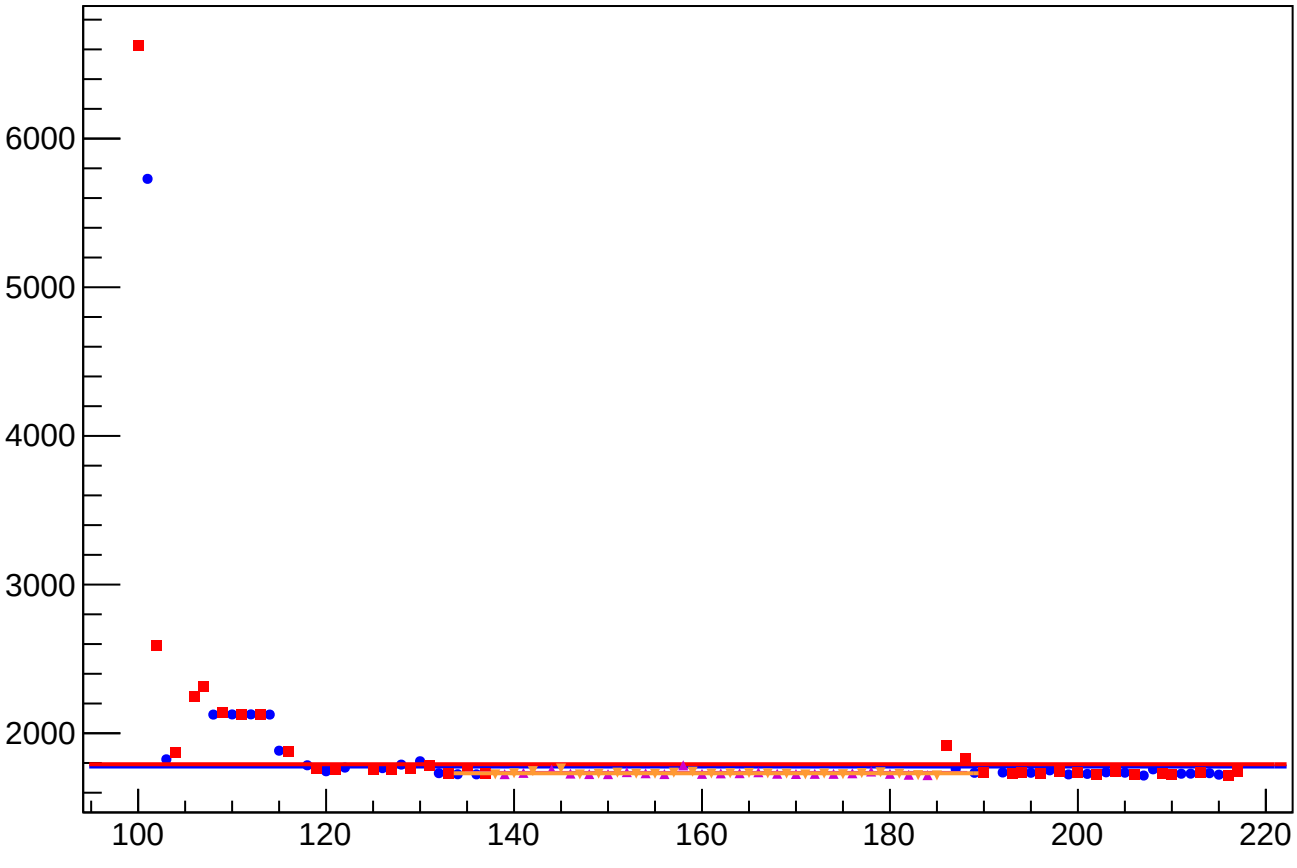
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 146.923+/-285.947 χ^2/NDF: 54.5/64

In: -30.408+/-287.326 χ^2/NDF:55.9/53

Out: 495.698+/-283.730 χ^2/NDF:47.7/57

All: 235.958+/-201.887 χ^2/NDF: 105.4/111



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: 1791.601+/-0.283 χ^2/NDF: 334089.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

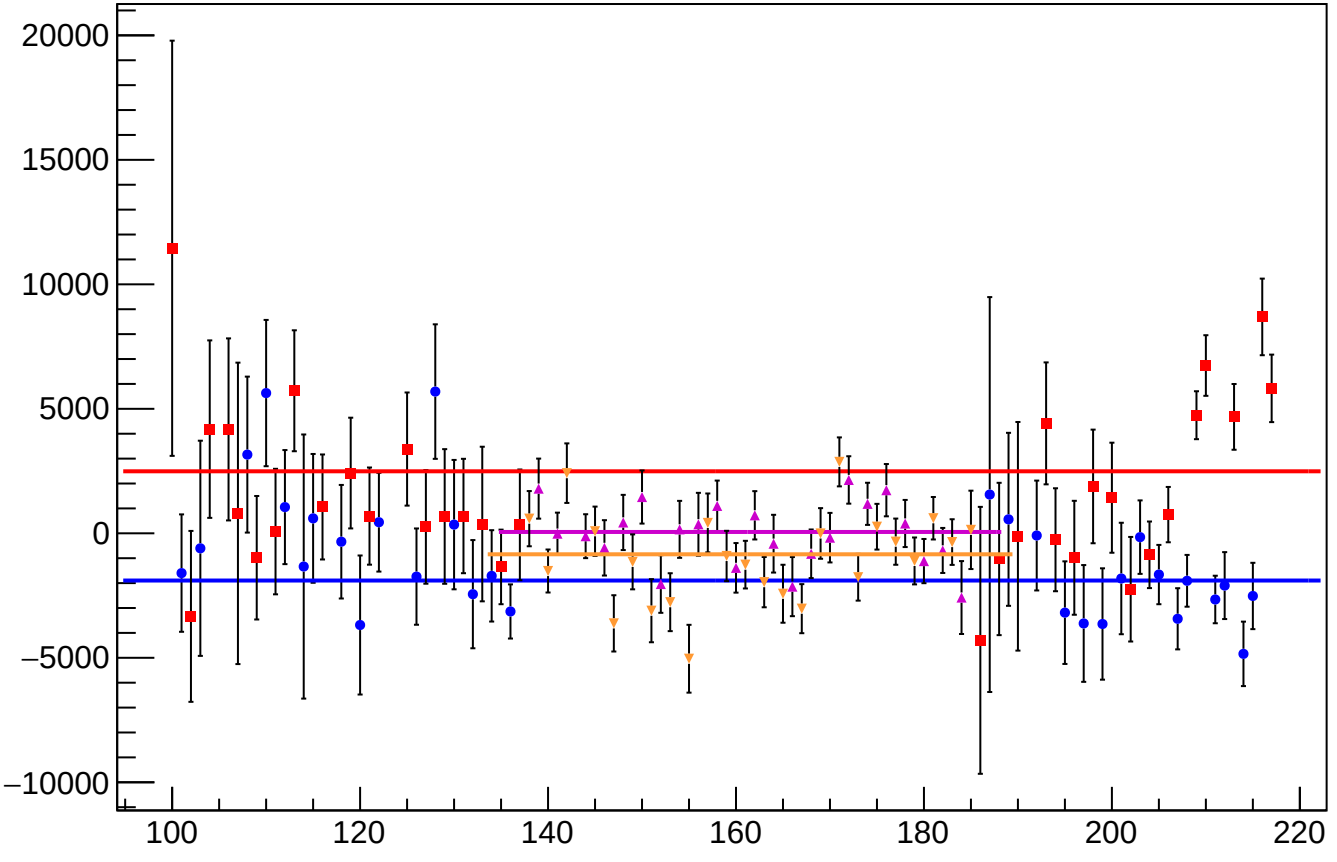
Right: 1784.023+/-0.202 χ^2/NDF: 1056629.1/64

In: 1754.405+/-0.203 χ^2/NDF:734603.4/53

Out: 1761.292+/-0.201 χ^2/NDF:357983.7/57

All: 1757.892+/-0.143 χ^2/NDF: 1093168.9/11

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: 2490.622+/-333.501 χ^2/NDF: 85.4/33

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

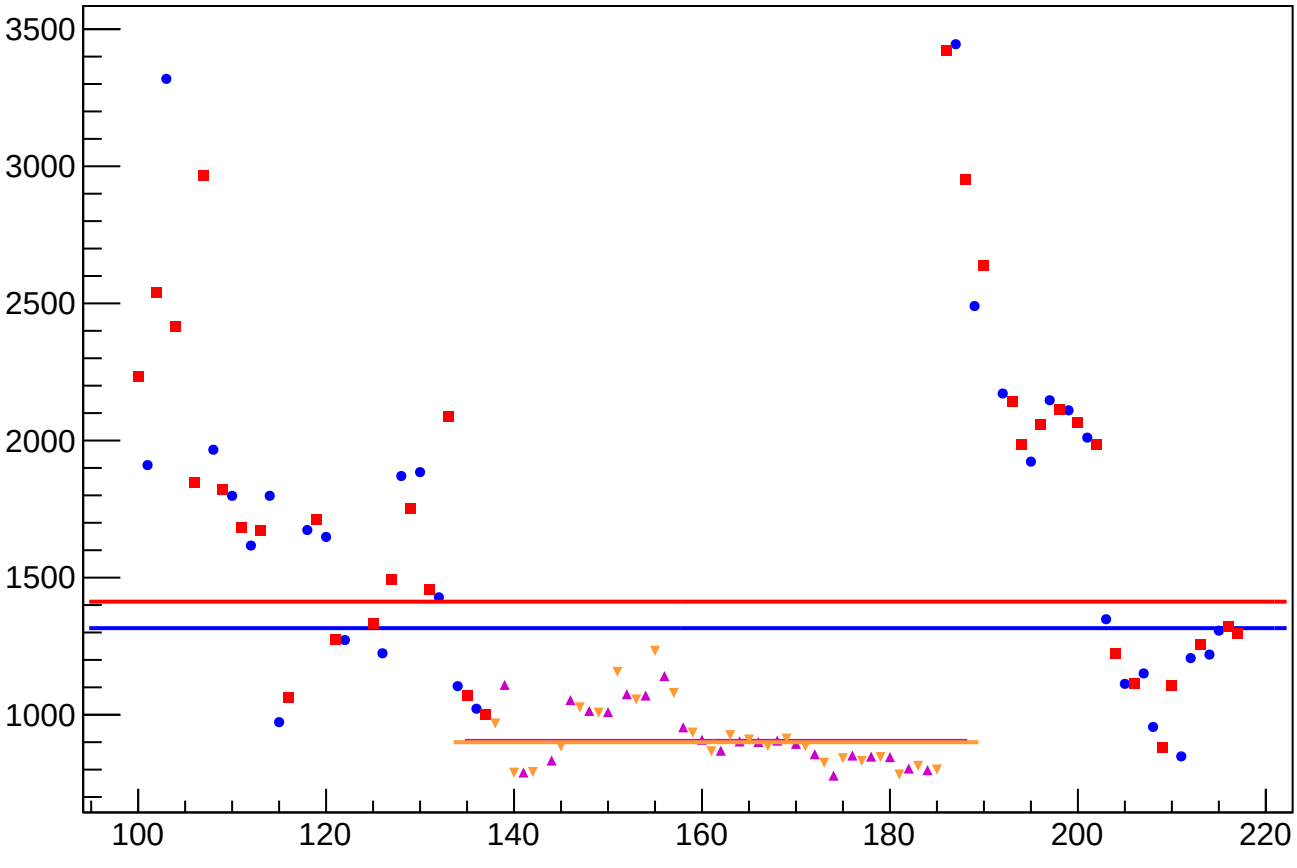
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 181.354+/-229.516 χ^2/NDF: 212.7/64

In: -554.327+/-176.663 χ^2/NDF:92.9/53

Out: 109.376+/-178.220 χ^2/NDF:219.5/57

All: -225.388+/-125.467 χ^2/NDF: 319.4/111



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: 1412.315+/-0.236 χ^2/NDF: 3959775.8/33

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

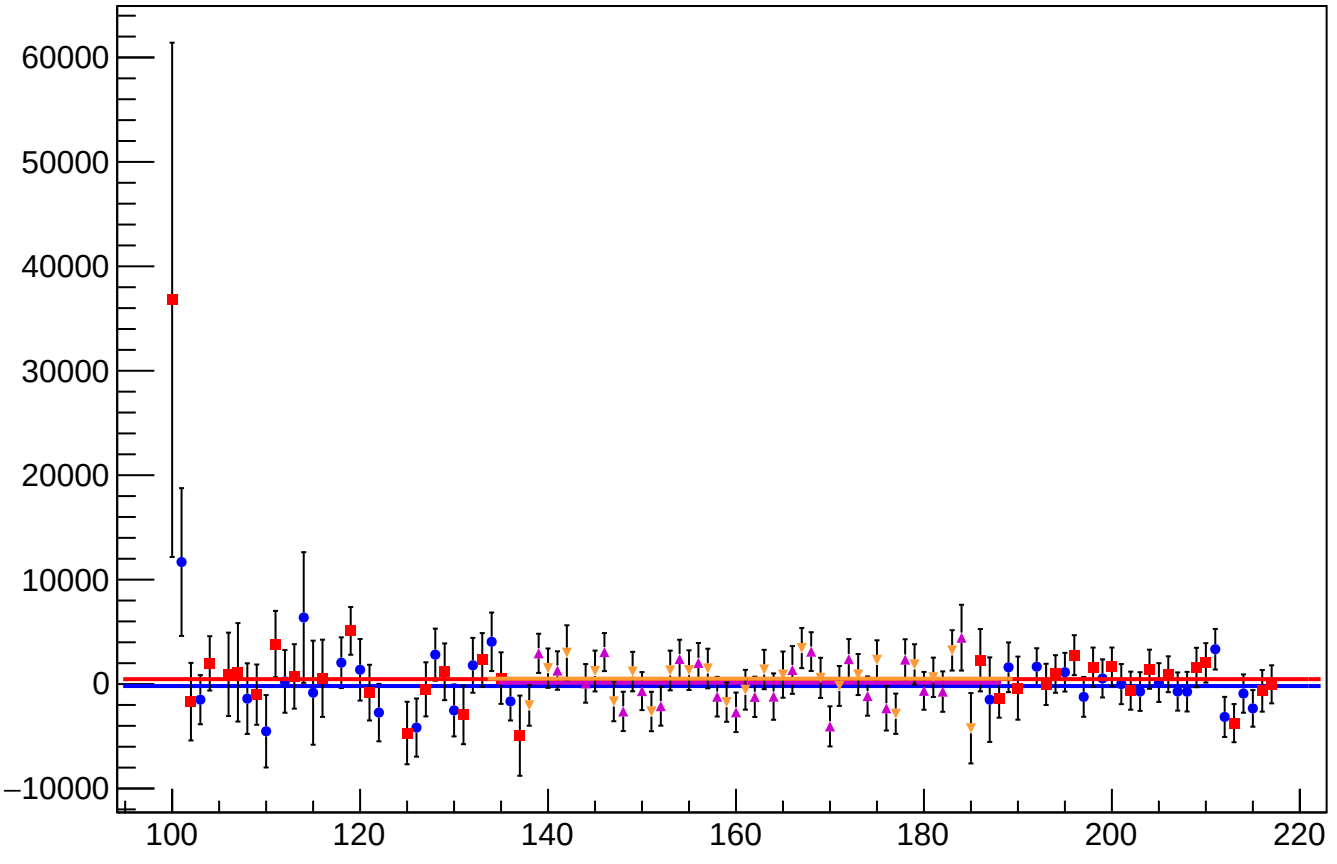
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1361.524+/-0.162 χ^2/NDF: 7655146.8/64

In: 1032.882+/-0.125 χ^2/NDF:6384501.1/53

Out: 1046.172+/-0.126 χ^2/NDF:7829330.1/57

All: 1039.469+/-0.089 χ^2/NDF: 14219440.1/1



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: 471.548+/-400.805 χ^2/NDF: 27.0/33

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

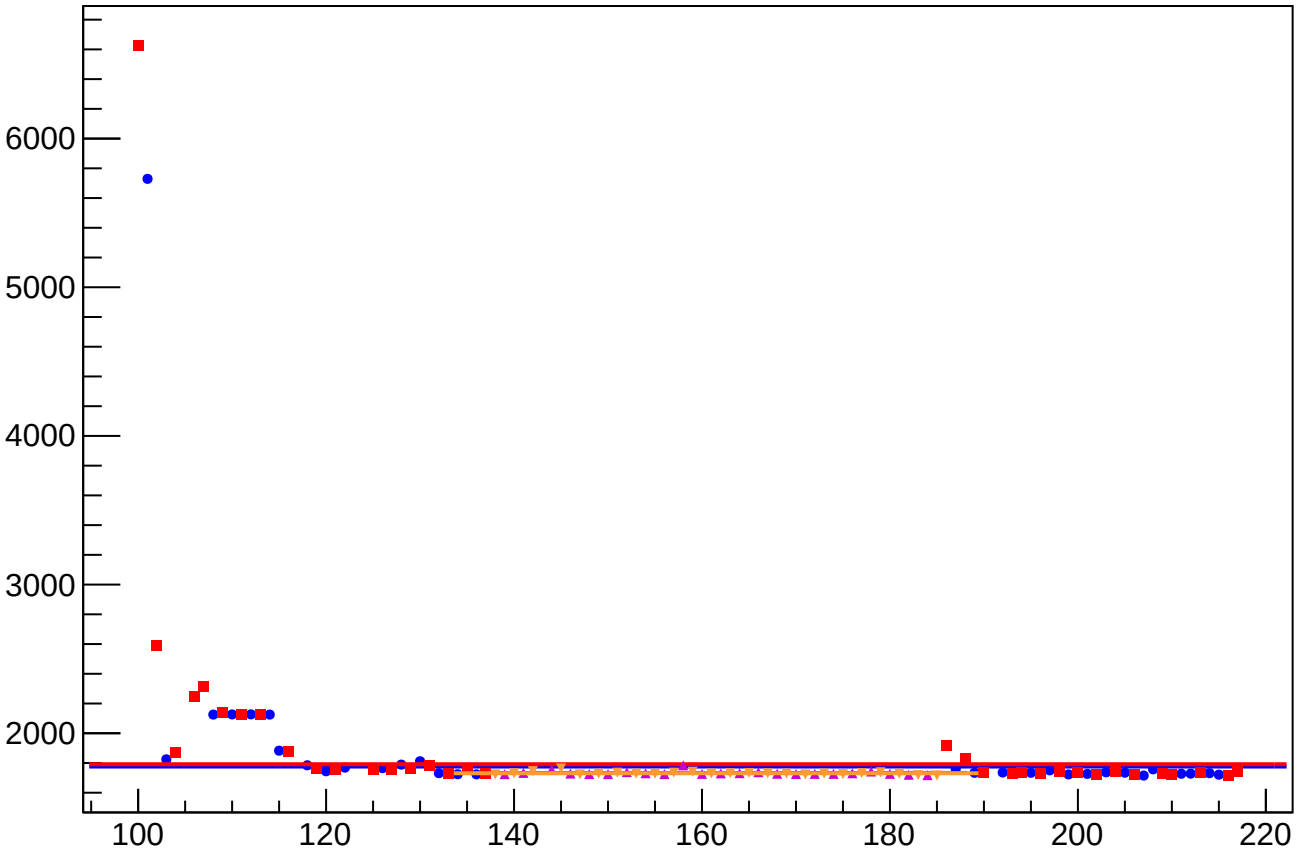
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 146.923+/-285.947 χ^2/NDF: 54.5/64

In: -30.408+/-287.326 χ^2/NDF:55.9/53

Out: 495.698+/-283.730 χ^2/NDF:47.7/57

All: 235.958+/-201.887 χ^2/NDF: 105.4/111



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: 1791.601+/-0.283 χ^2/NDF: 334089.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

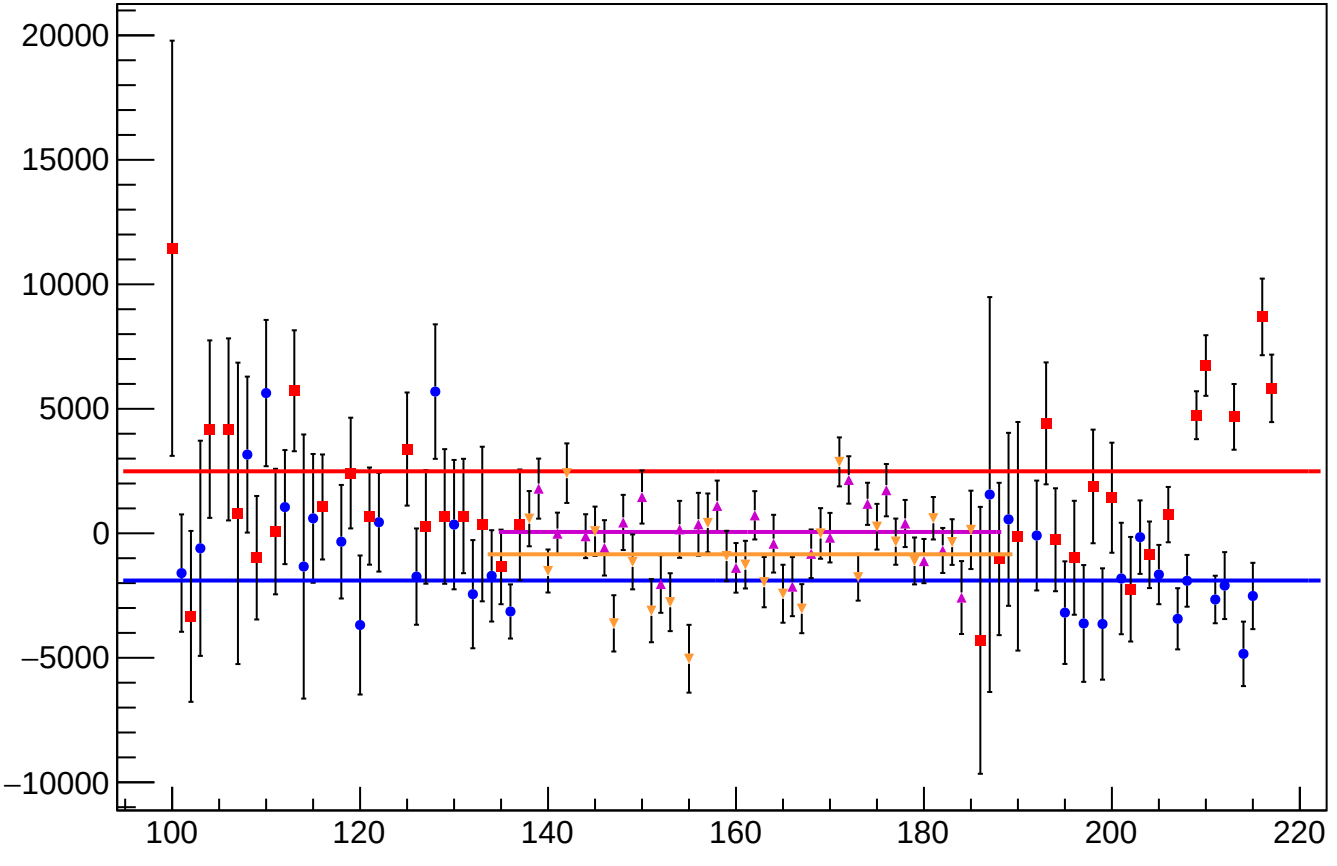
Right: 1784.023+/-0.202 χ^2/NDF: 1056629.1/64

In: 1754.405+/-0.203 χ^2/NDF:734603.4/53

Out: 1761.292+/-0.201 χ^2/NDF:357983.7/57

All: 1757.892+/-0.143 χ^2/NDF: 1093168.9/11

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: 2490.622+/-333.501 χ^2/NDF: 85.4/33

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

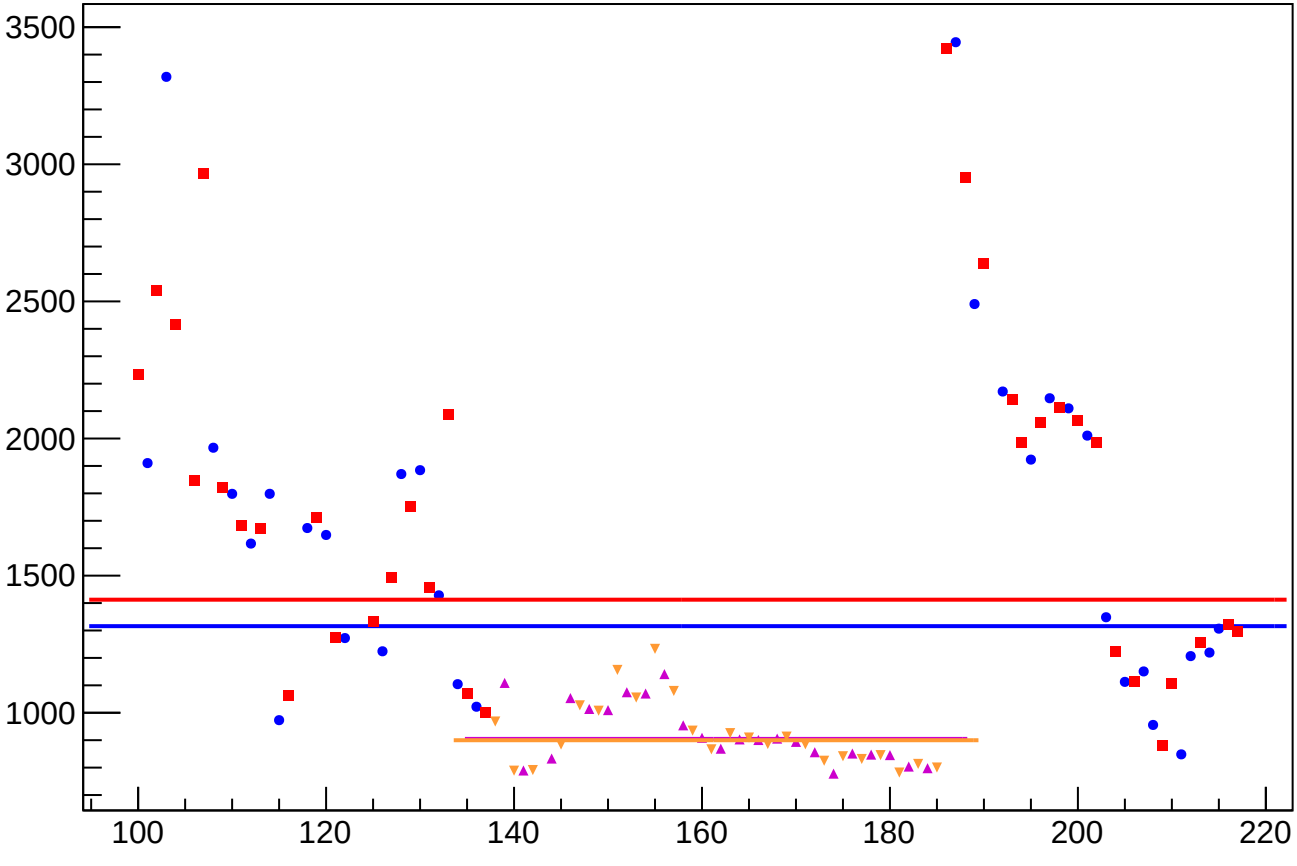
Right: 181.354+/-229.516 χ^2/NDF: 212.7/64

In: -554.327+/-176.663 χ^2/NDF:92.9/53

Out: 109.376+/-178.220 χ^2/NDF:219.5/57

All: -225.388+/-125.467 χ^2/NDF: 319.4/111

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: 1412.315+/-0.236 χ^2/NDF: 3959775.8/33

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

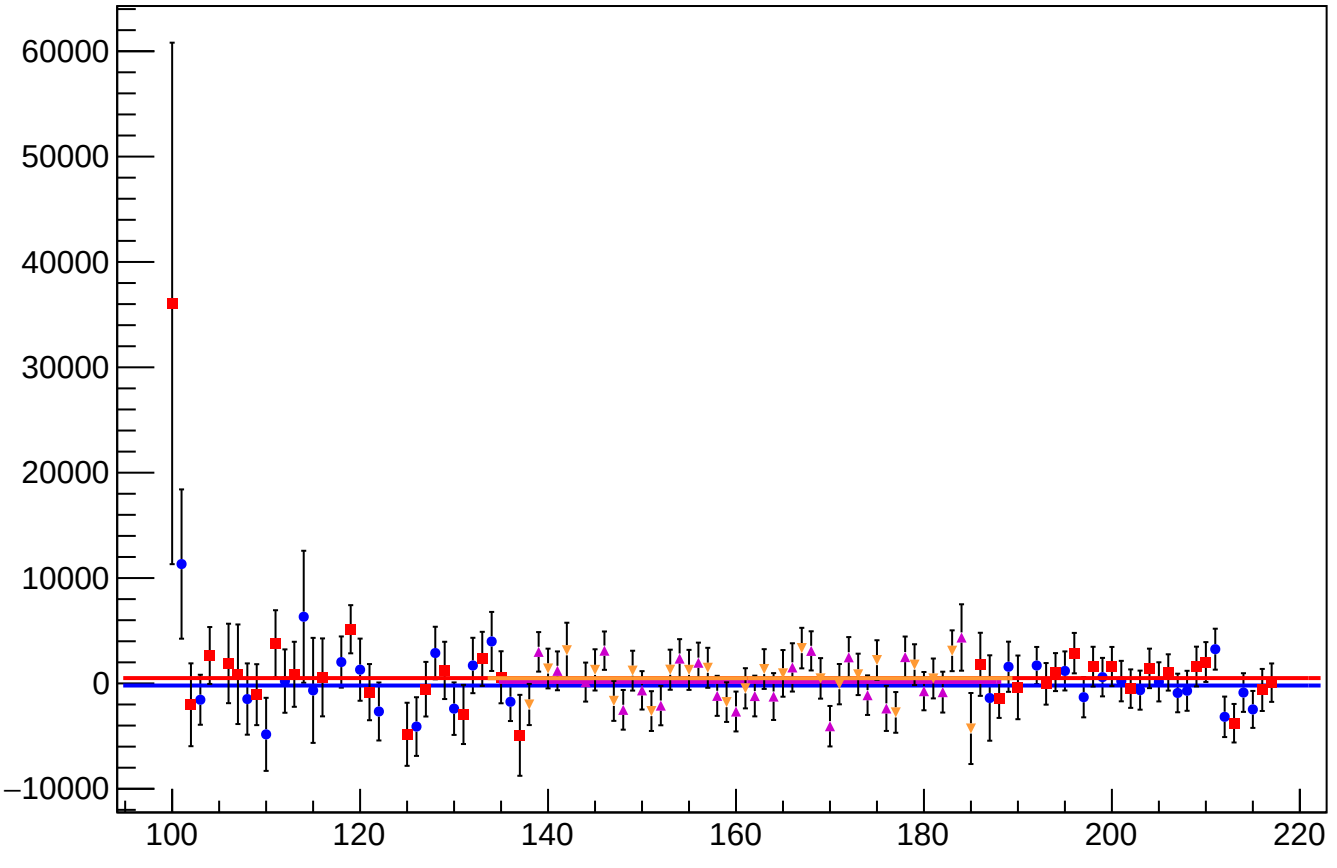
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1361.524+/-0.162 χ^2/NDF: 7655146.8/64

In: 1032.882+/-0.125 χ^2/NDF:6384501.1/53

Out: 1046.172+/-0.126 χ^2/NDF:7829330.1/57

All: 1039.469+/-0.089 χ^2/NDF: 14219440.1/1



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: 505.080+/-401.559 χ^2/NDF: 27.6/33

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

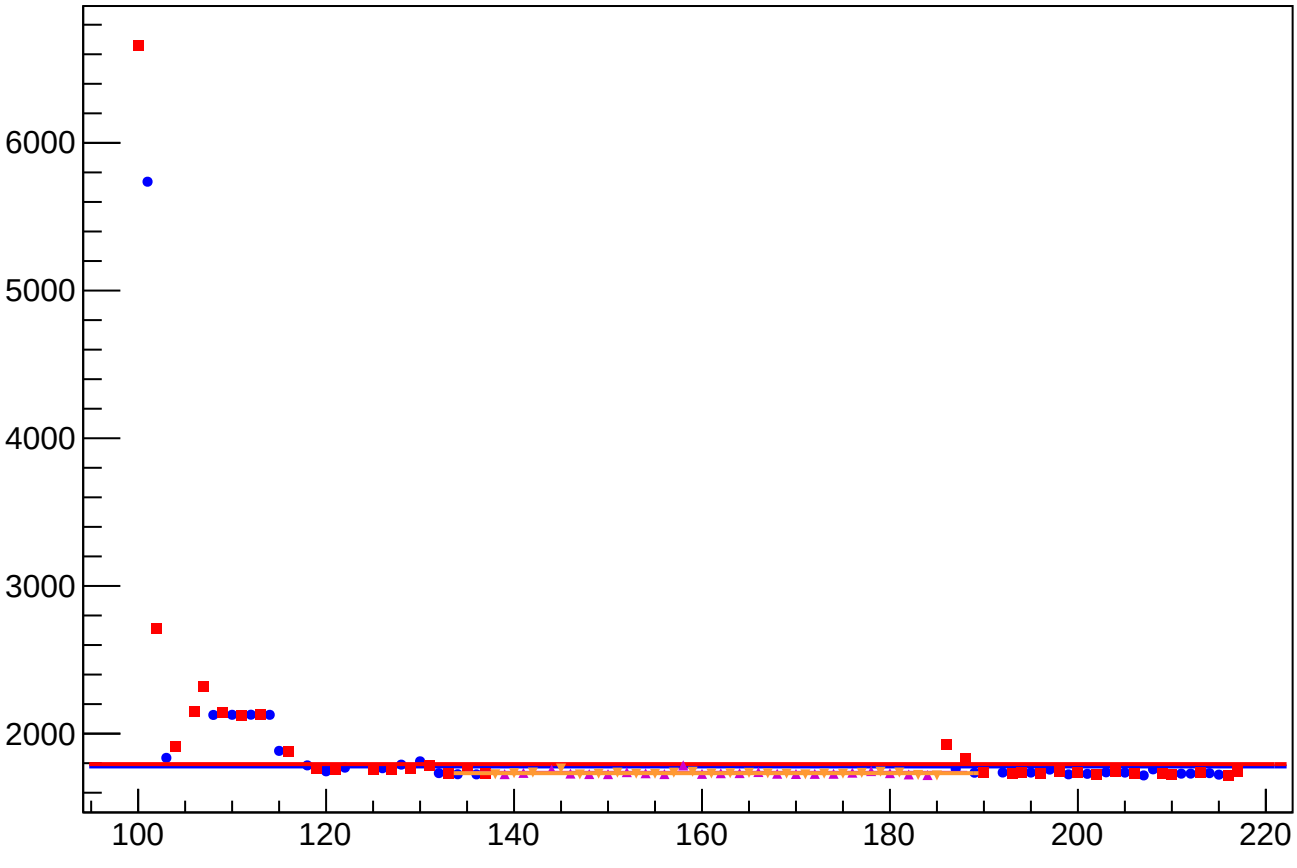
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 158.508+/-286.362 χ^2/NDF: 55.4/64

In: -30.032+/-287.600 χ^2/NDF:56.1/53

Out: 499.995+/-284.125 χ^2/NDF:47.7/57

All: 238.203+/-202.124 χ^2/NDF: 105.5/111



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: 1793.709+/-0.284 χ^2/NDF: 345040.3/33

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

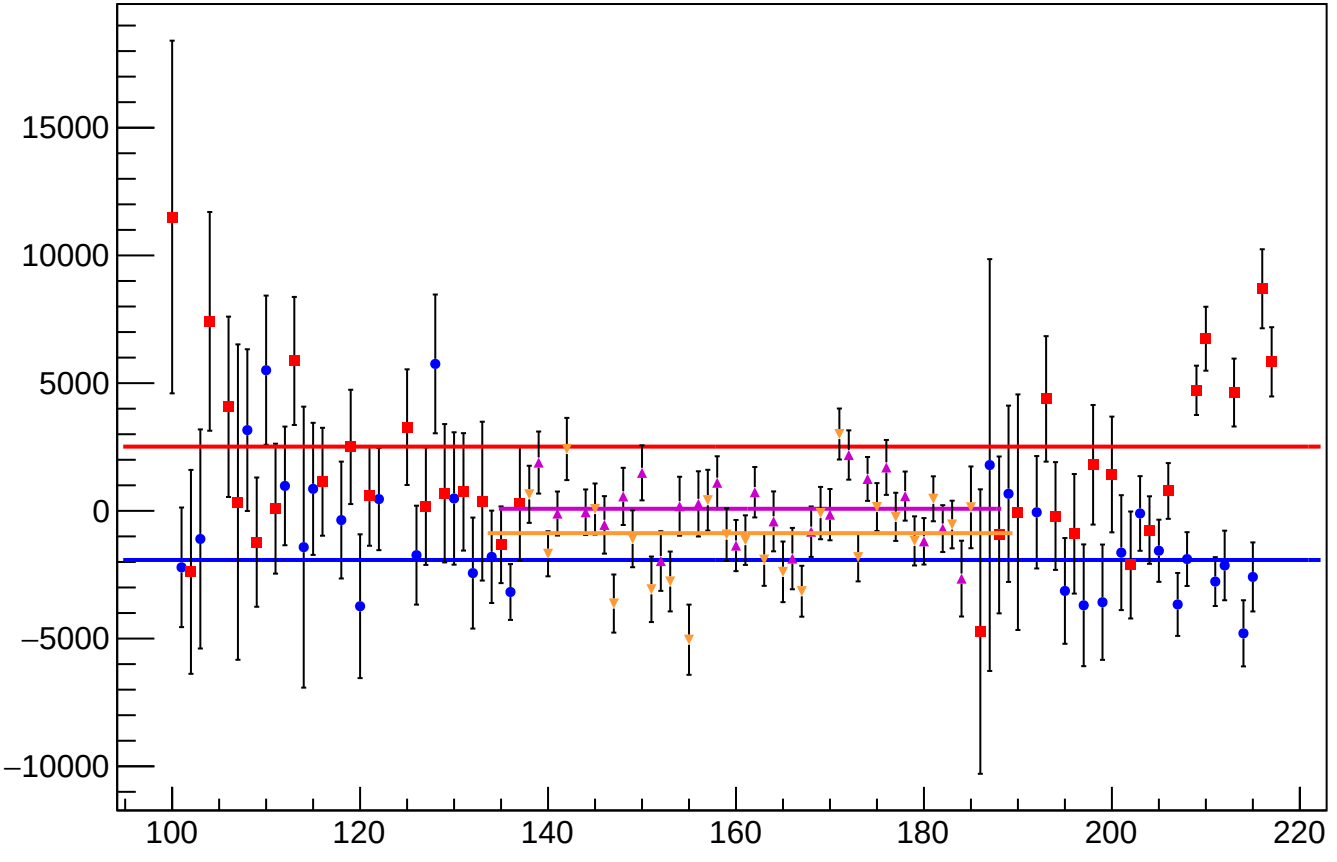
Right: 1785.910+/-0.202 χ^2/NDF: 1068158.5/64

In: 1756.018+/-0.203 χ^2/NDF:735116.9/53

Out: 1763.088+/-0.201 χ^2/NDF:369240.6/57

All: 1759.596+/-0.143 χ^2/NDF: 1104969.0/11

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: 2515.403+/-335.743 χ^2/NDF: 83.9/33

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

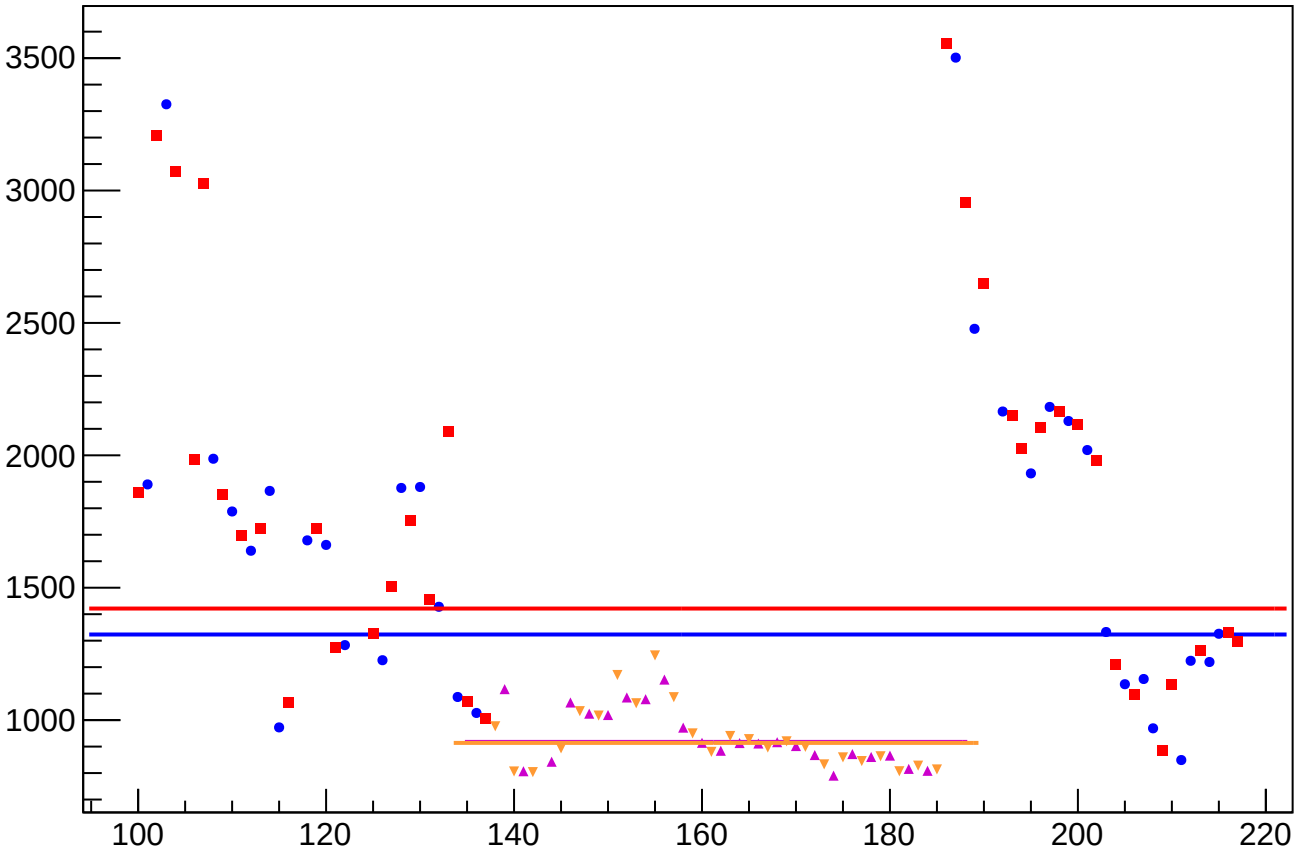
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 176.179+/-230.898 χ^2/NDF: 212.9/64

In: -550.852+/-178.639 χ^2/NDF:94.1/53

Out: 106.078+/-180.464 χ^2/NDF:218.3/57

All: -225.725+/-126.957 χ^2/NDF: 319.1/111



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: 1421.327+/-0.237 χ^2/NDF: 4398209.7/33

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

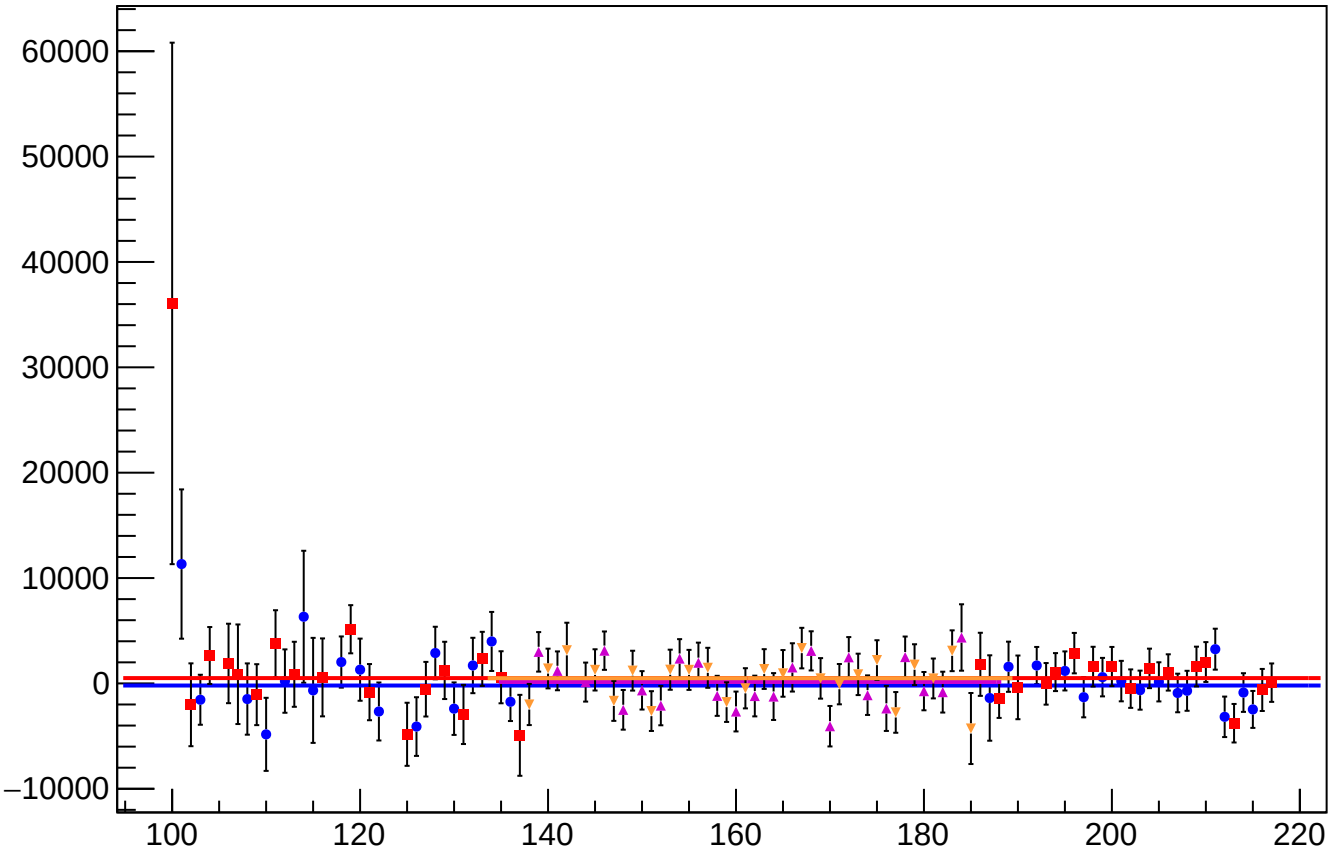
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1369.665+/-0.163 χ^2/NDF: 8086728.7/64

In: 1045.637+/-0.126 χ^2/NDF:6255978.4/53

Out: 1060.501+/-0.128 χ^2/NDF:8109598.2/57

All: 1052.994+/-0.090 χ^2/NDF: 14372430.3/1



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: 505.077+/-401.559 χ^2/NDF: 27.6/33

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

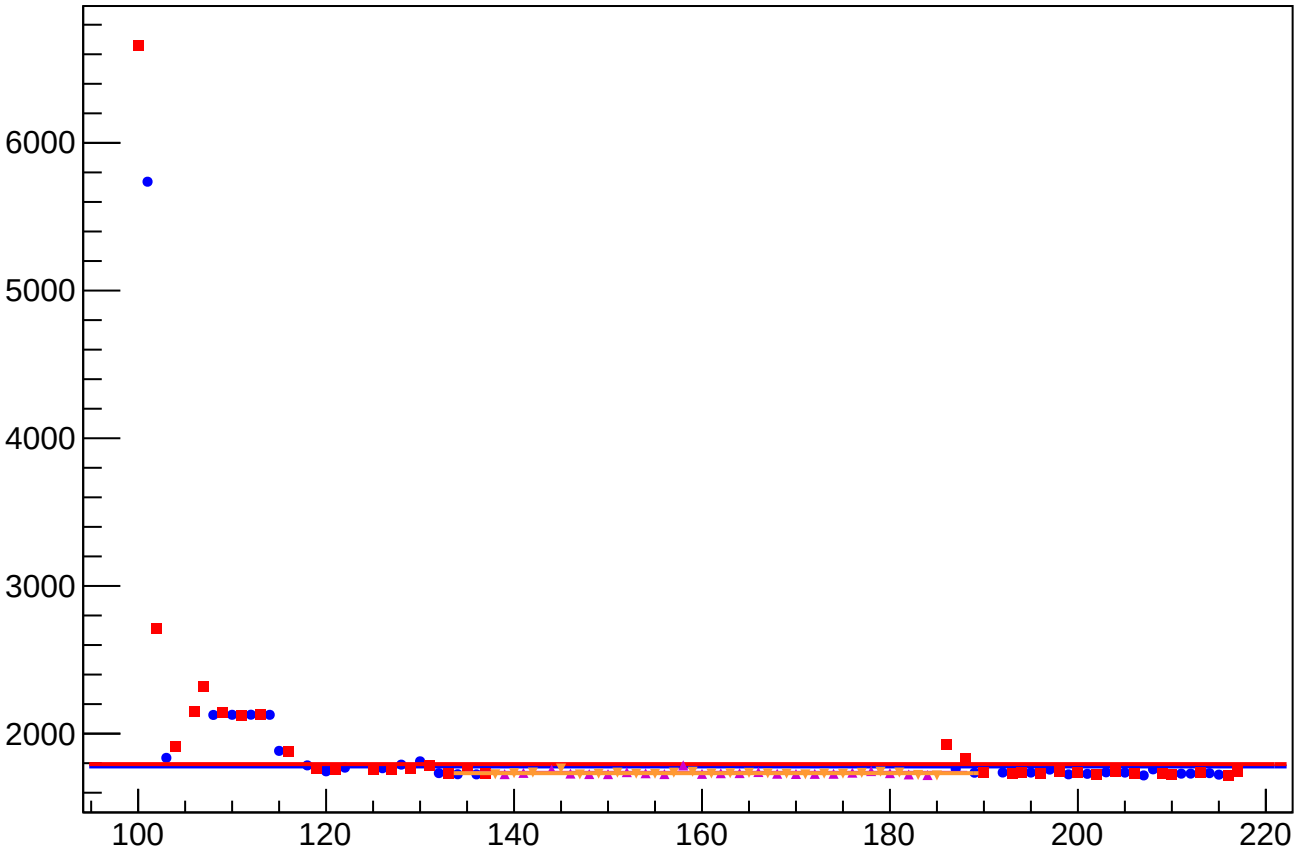
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 158.507+/-286.362 χ^2/NDF: 55.4/64

In: -30.031+/-287.600 χ^2/NDF:56.1/53

Out: 499.994+/-284.125 χ^2/NDF:47.7/57

All: 238.202+/-202.124 χ^2/NDF: 105.5/111



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: 1793.709+/-0.284 χ^2/NDF: 345040.0/33

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

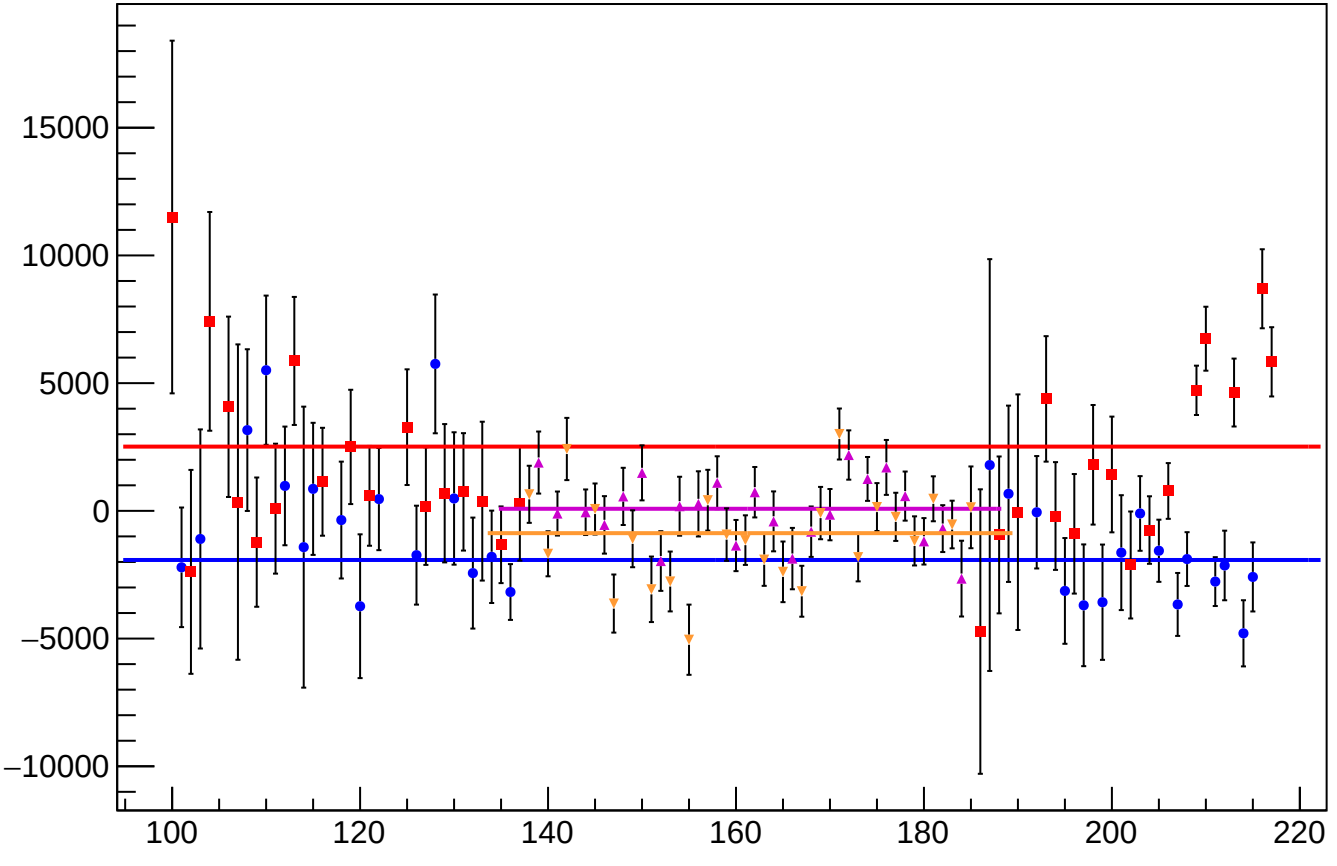
Right: 1785.910+/-0.202 χ^2/NDF: 1068158.2/64

In: 1756.018+/-0.203 χ^2/NDF:735116.9/53

Out: 1763.088+/-0.201 χ^2/NDF:369240.3/57

All: 1759.596+/-0.143 χ^2/NDF: 1104968.7/11

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1923.033+/-318.053 χ^2/NDF: 36.9/30

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 2515.404+/-335.742 χ^2/NDF: 83.9/33

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

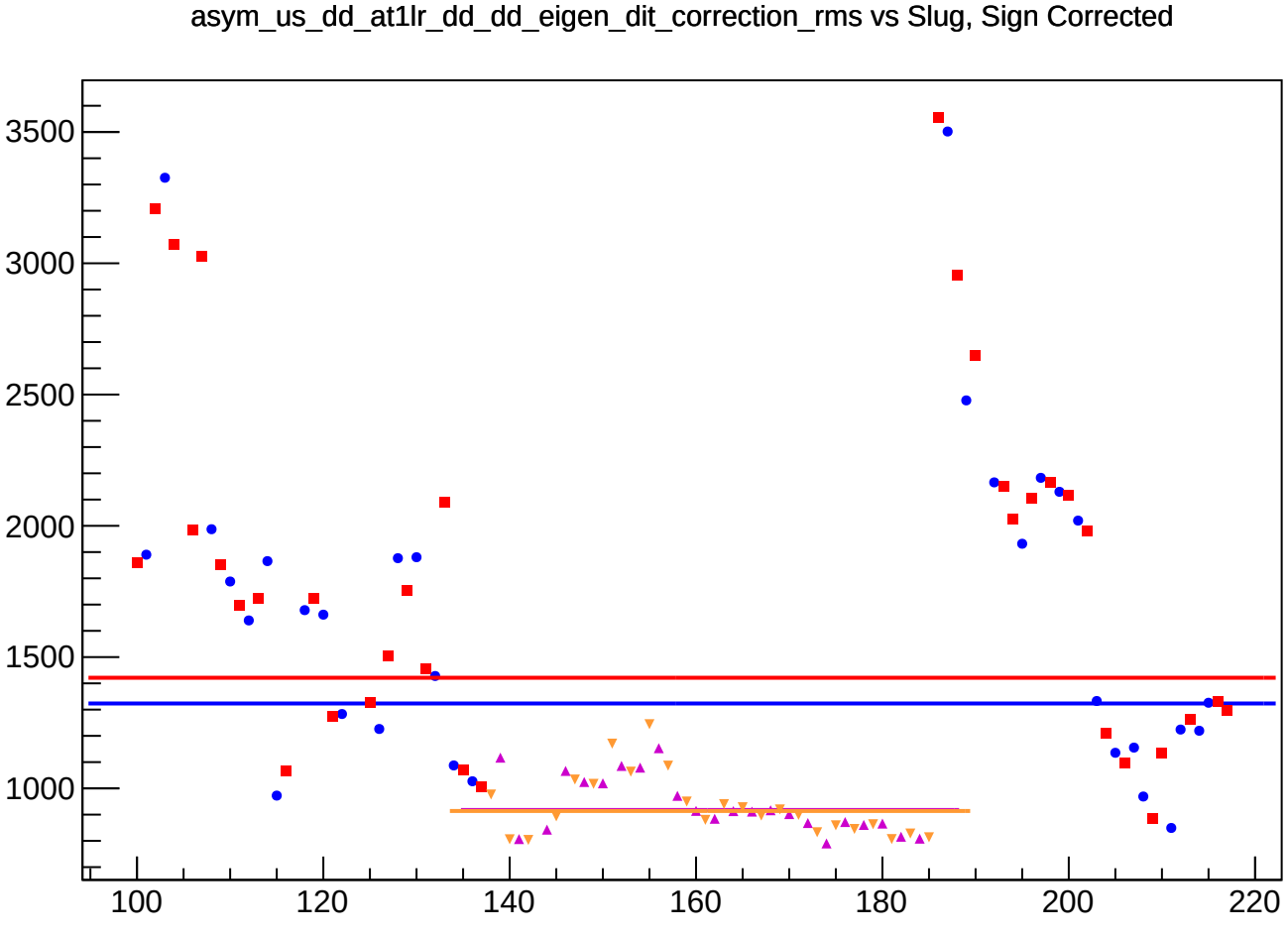
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 176.184+/-230.898 χ^2/NDF: 212.9/64

In: -550.852+/-178.639 χ^2/NDF:94.1/53

Out: 106.081+/-180.464 χ^2/NDF:218.3/57

All: -225.724+/-126.957 χ^2/NDF: 319.1/111



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: 1421.324+/-0.237 χ^2/NDF: 4398226.5/33

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

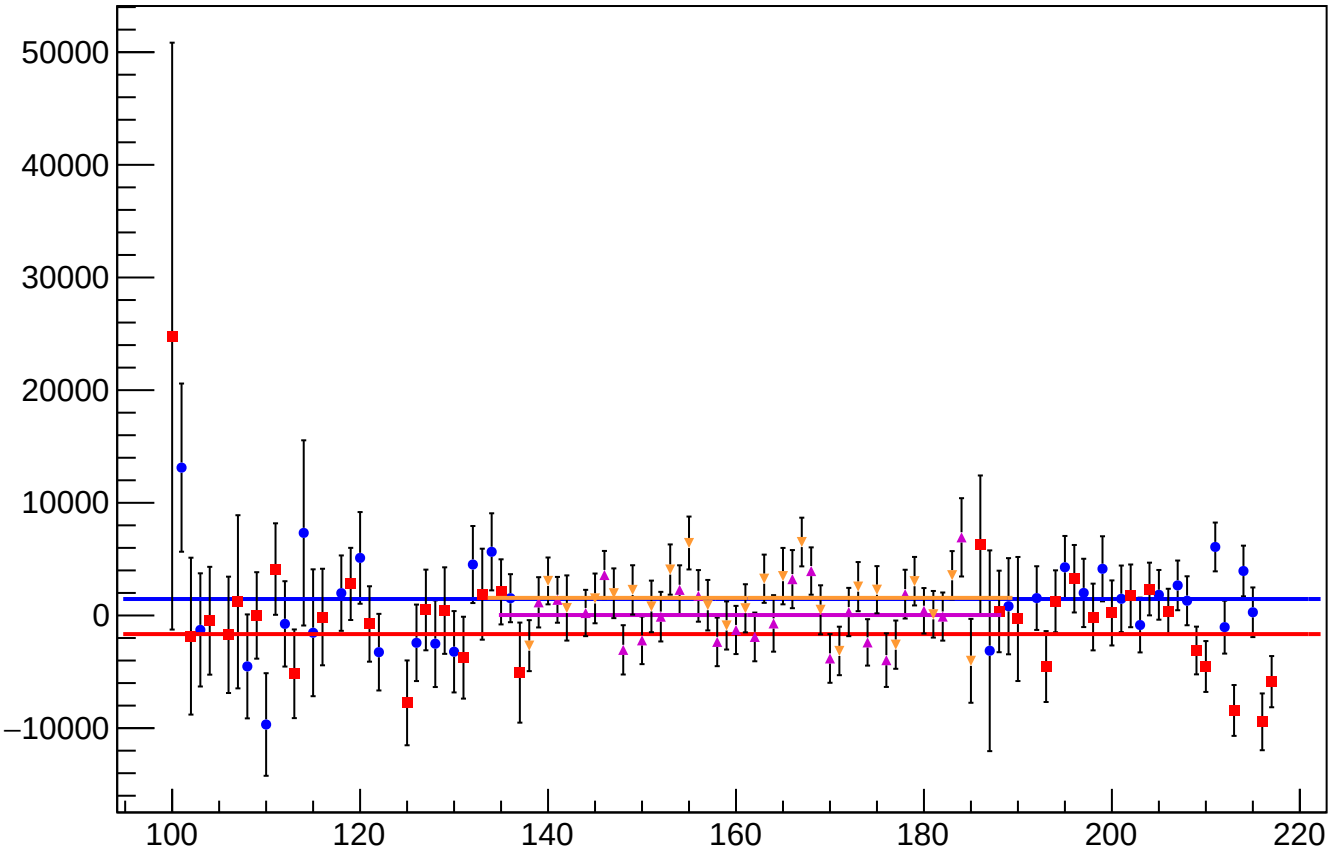
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1369.663+/-0.163 χ^2/NDF: 8086736.9/64

In: 1045.636+/-0.126 χ^2/NDF:6255980.6/53

Out: 1060.501+/-0.128 χ^2/NDF:8109601.4/57

All: 1052.993+/-0.090 χ^2/NDF: 14372435.6/



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: -1652.304+/-549.687 χ^2/NDF: 49.8/33

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

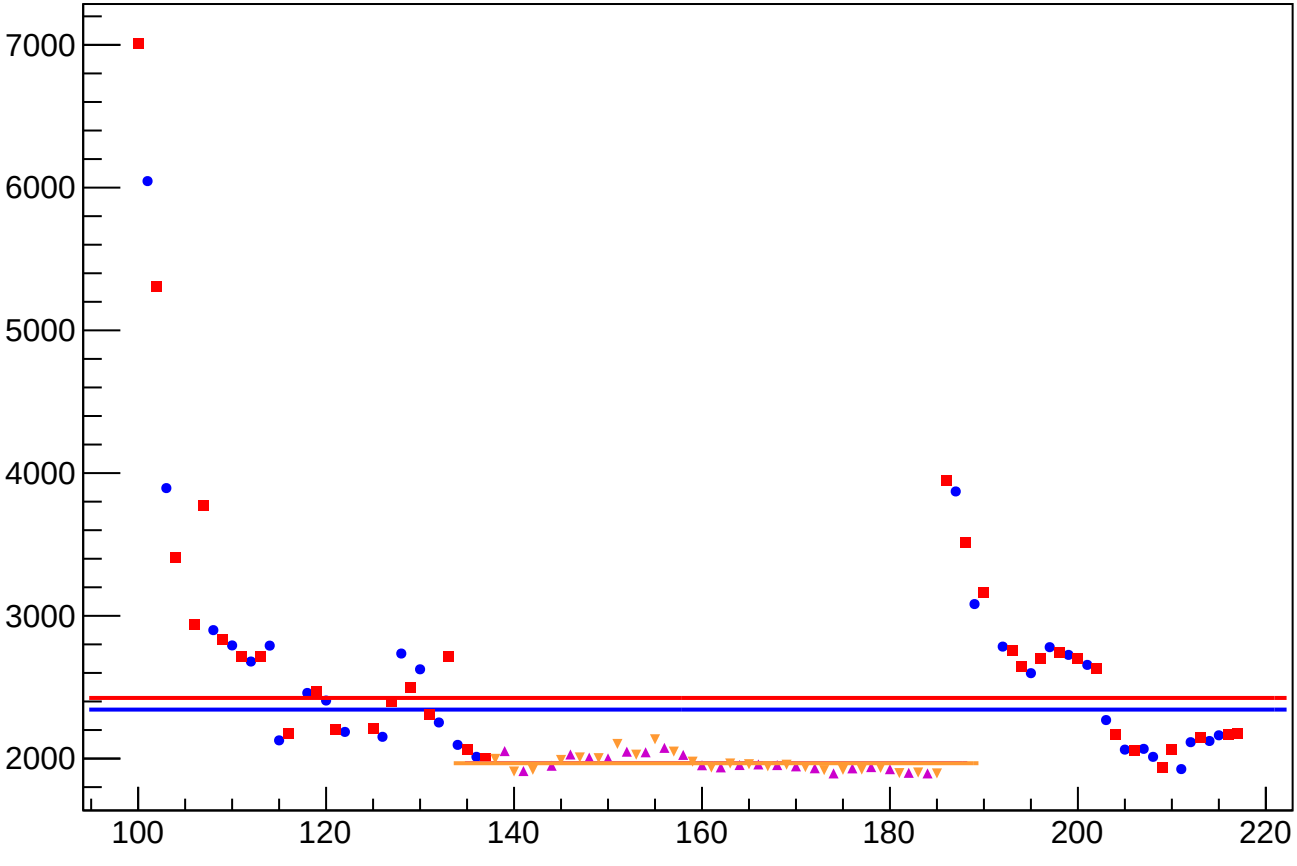
Right: -78.748+/-386.575 χ^2/NDF: 97.3/64

In: 632.604+/-351.163 χ^2/NDF:63.1/53

Out: 248.325+/-351.361 χ^2/NDF:101.3/57

All: 440.573+/-248.380 χ^2/NDF: 165.0/111

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: 2424.773+/-0.389 χ^2/NDF: 1462785.4/33

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

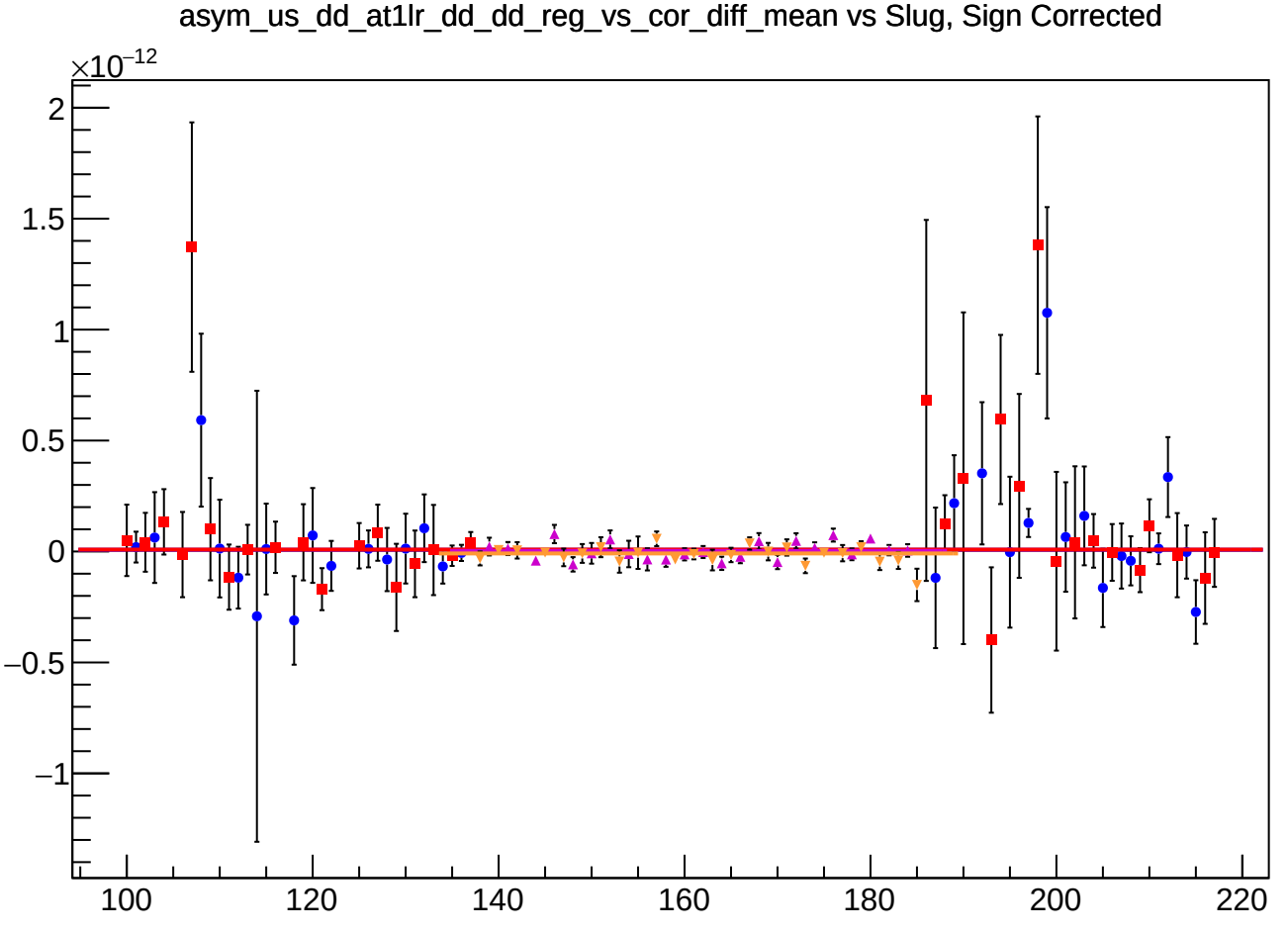
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2383.503+/-0.273 χ^2/NDF: 2868753.7/64

In: 2125.045+/-0.248 χ^2/NDF:1962012.9/53

Out: 2154.282+/-0.248 χ^2/NDF:2315859.6/57

All: 2139.655+/-0.176 χ^2/NDF: 4284800.6/11



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: 27.2/33

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

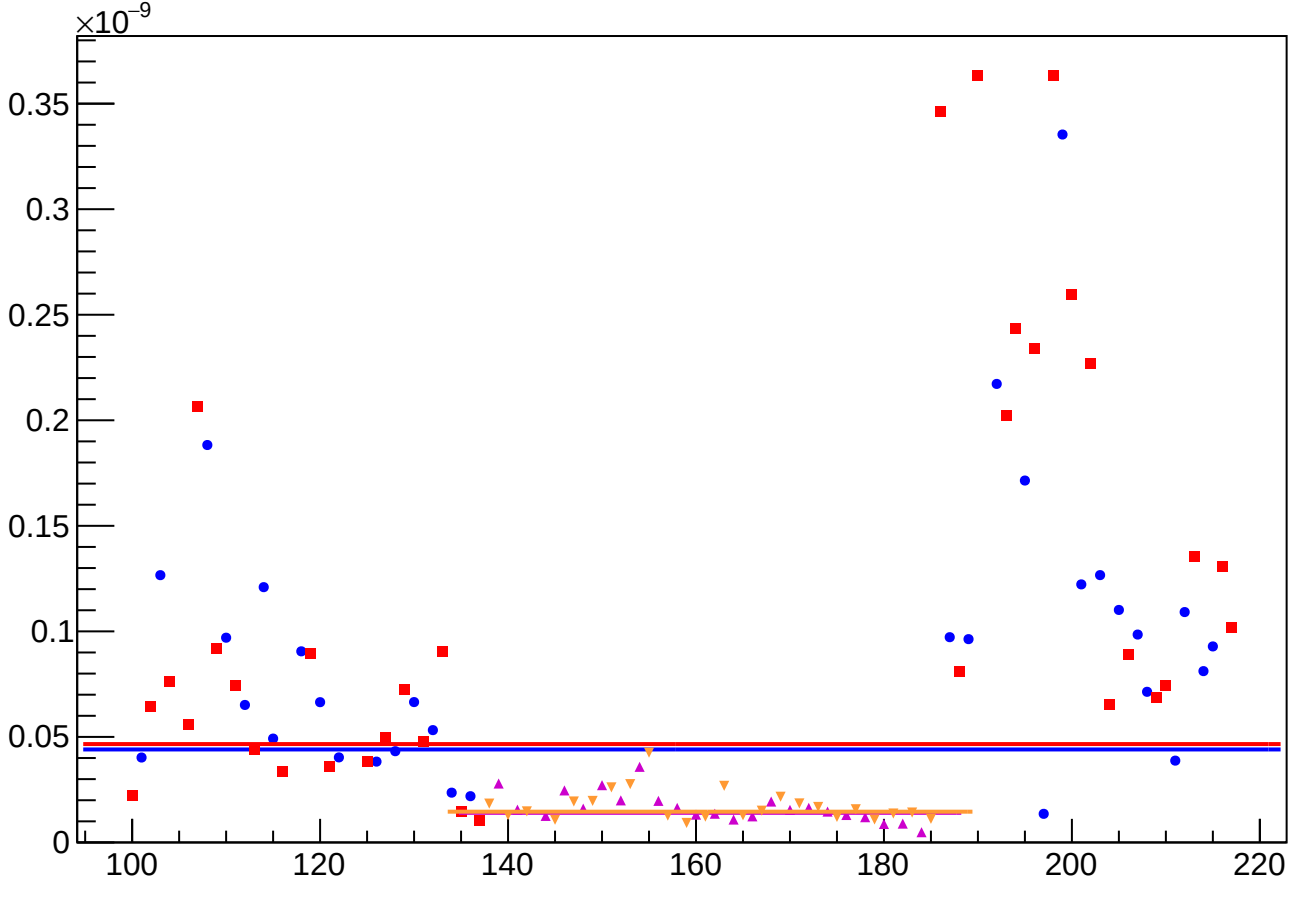
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 54.8/64

In: 0.000+/-0.000 χ^2/NDF:66.7/53

Out: -0.000+/-0.000 χ^2/NDF:48.5/57

All: -0.000+/-0.000 χ^2/NDF: 116.6/111



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: 8229267.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

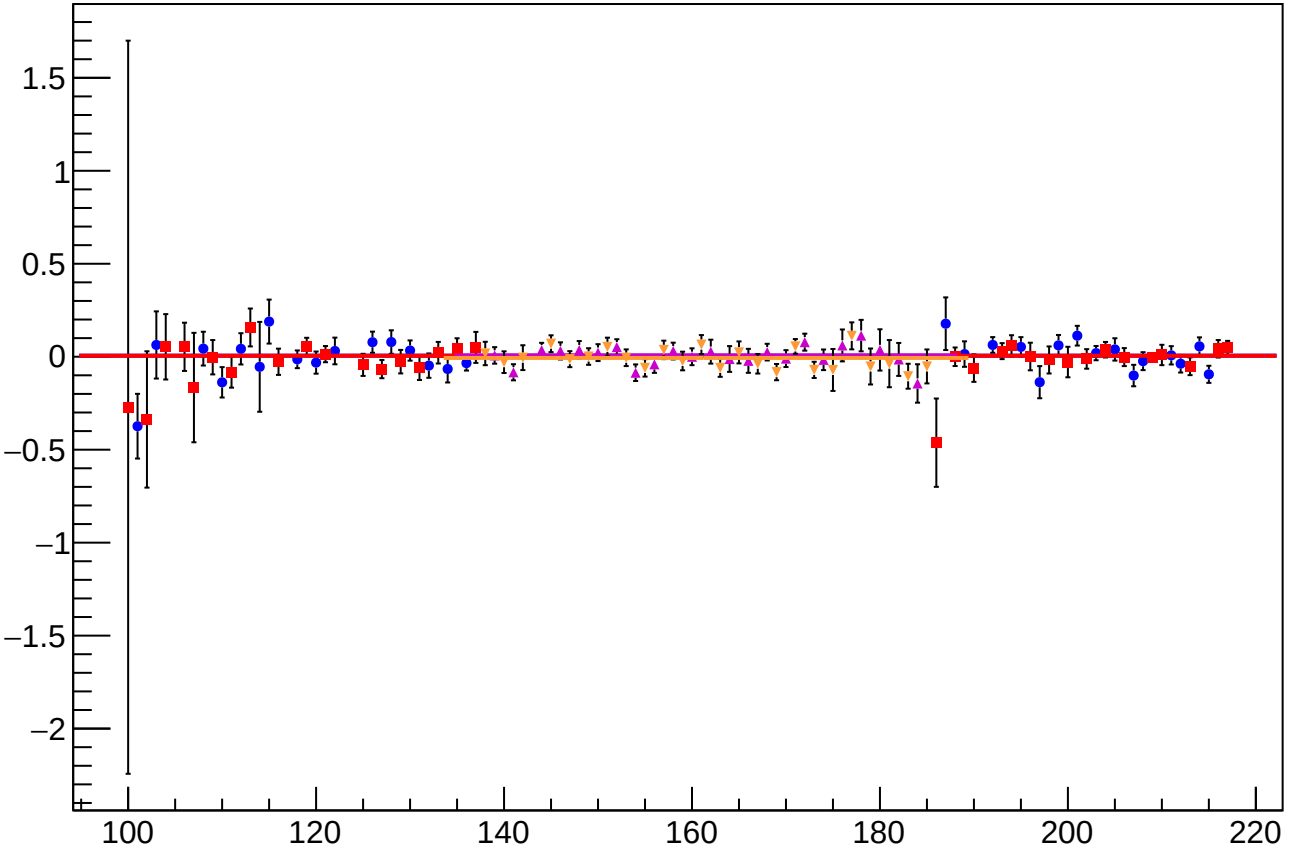
Right: 0.000+/-0.000 χ^2/NDF: 14196096.0/64

In: 0.000+/-0.000 χ^2/NDF:11511475.6/53

Out: 0.000+/-0.000 χ^2/NDF:13509634.3/57

All: 0.000+/-0.000 χ^2/NDF: 25027342.4/111

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: 0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

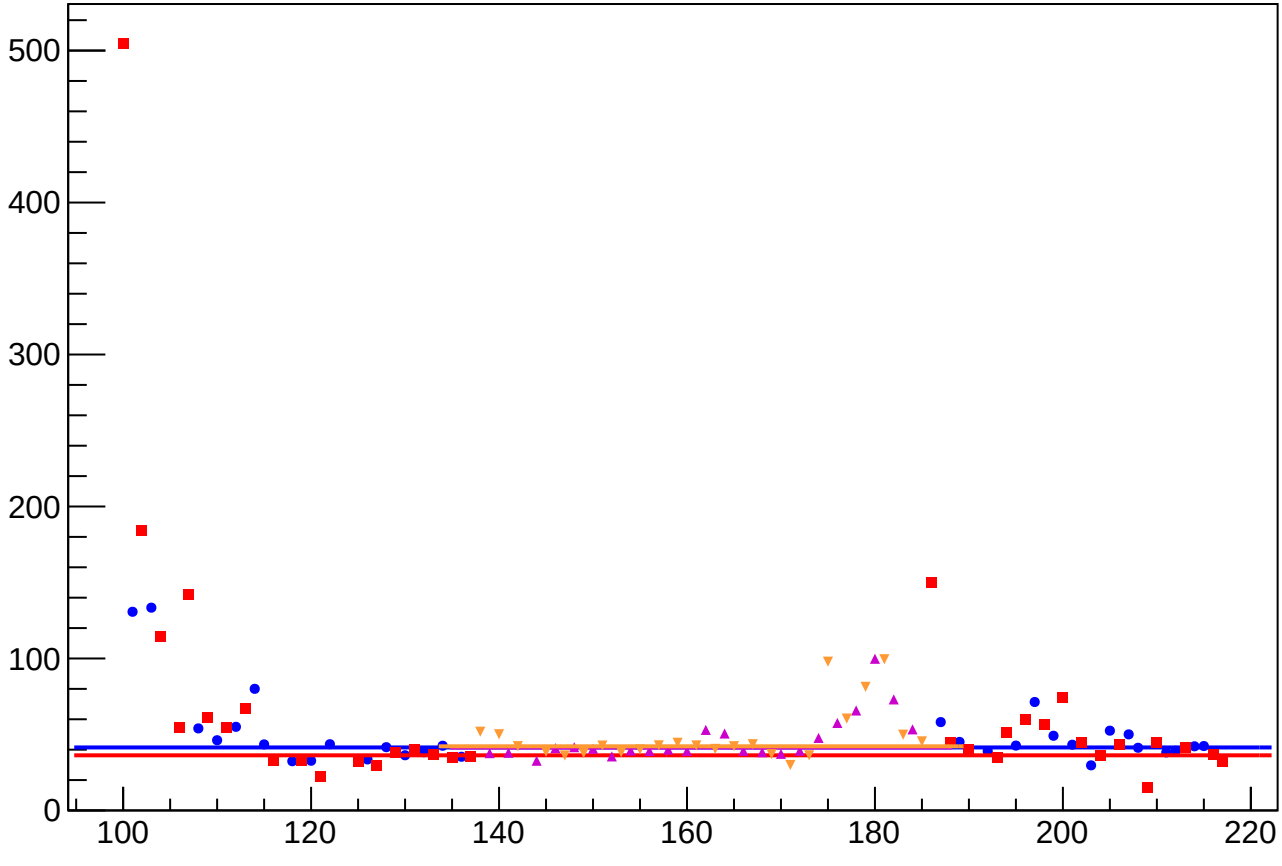
Right: 0.005+/-0.007 χ^2/NDF: 61.5/64

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.000+/-0.007 χ^2/NDF:45.9/57

All: 0.003+/-0.005 χ^2/NDF: 106.5/111

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: 36.282+/-0.007 χ^2/NDF: 4923434.1/33

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

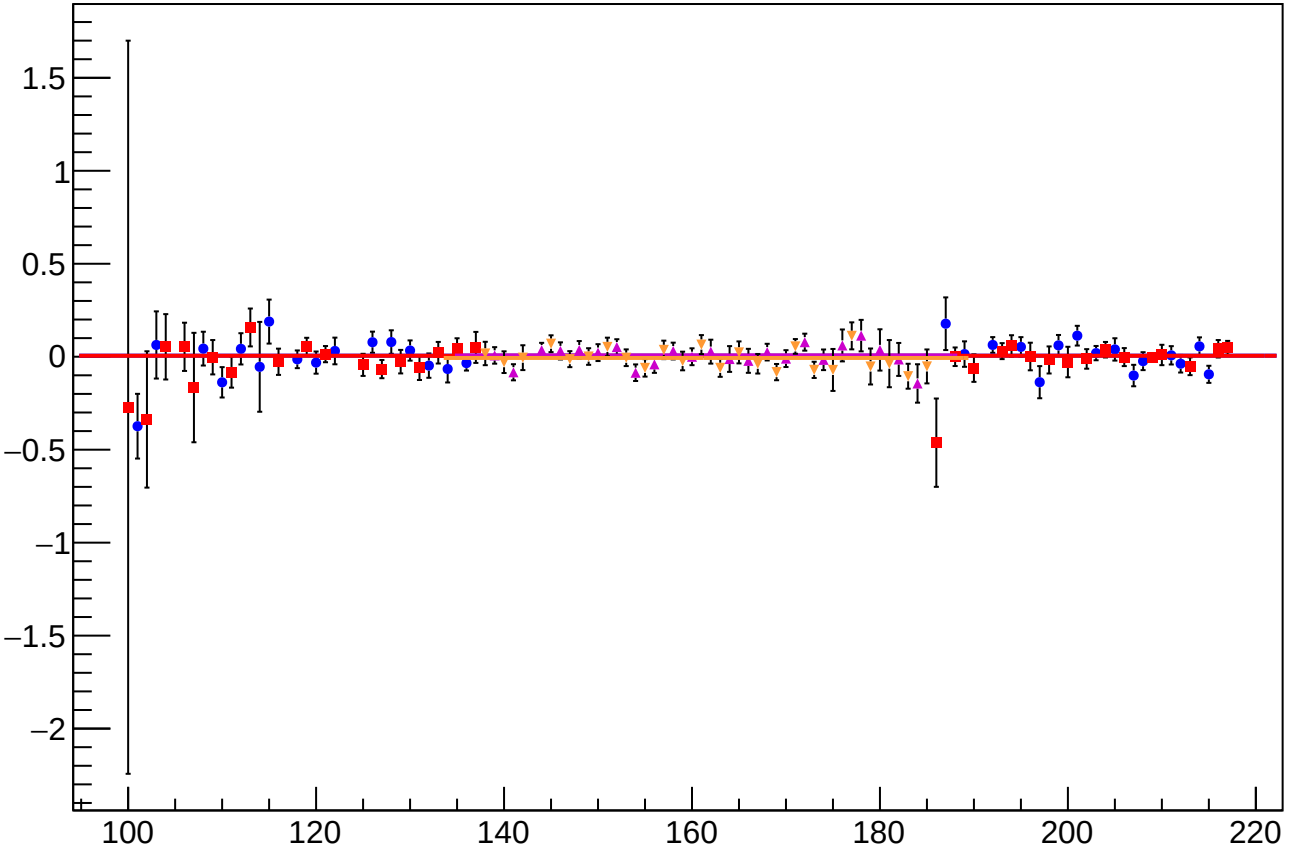
Right: 38.656+/-0.005 χ^2/NDF: 7233961.3/64

In: 41.440+/-0.005 χ^2/NDF:3465499.6/53

Out: 38.918+/-0.005 χ^2/NDF:7069768.1/57

All: 40.133+/-0.004 χ^2/NDF: 10650807.2/111

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: 0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

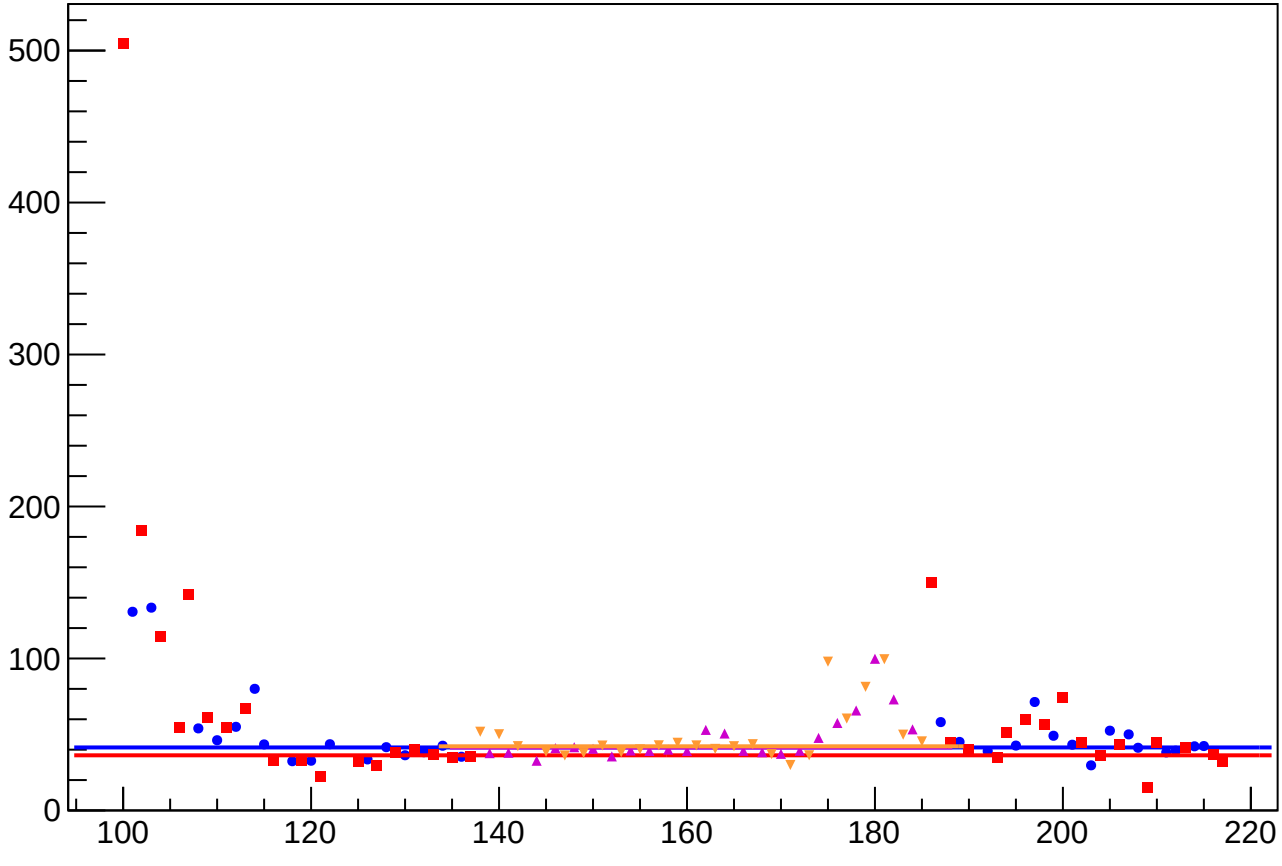
Right: 0.005+/-0.007 χ^2/NDF: 61.5/64

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.000+/-0.007 χ^2/NDF:45.9/57

All: 0.003+/-0.005 χ^2/NDF: 106.5/111

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: 36.282+/-0.007 χ^2/NDF: 4923434.1/33

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

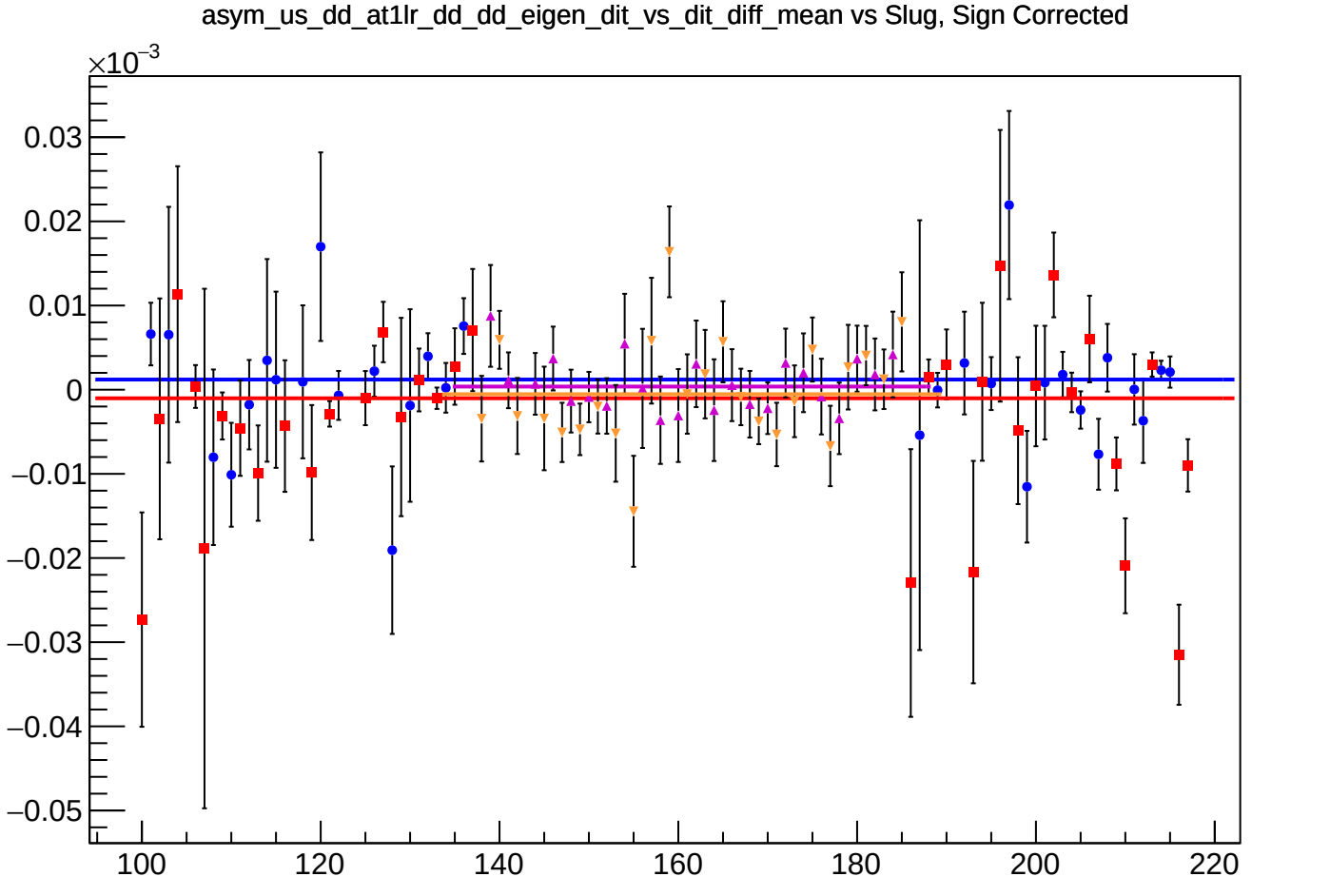
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.656+/-0.005 χ^2/NDF: 7233961.3/64

In: 41.440+/-0.005 χ^2/NDF:3465499.6/53

Out: 38.918+/-0.005 χ^2/NDF:7069768.1/57

All: 40.133+/-0.004 χ^2/NDF: 10650807.2/111



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: 96.7/33

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

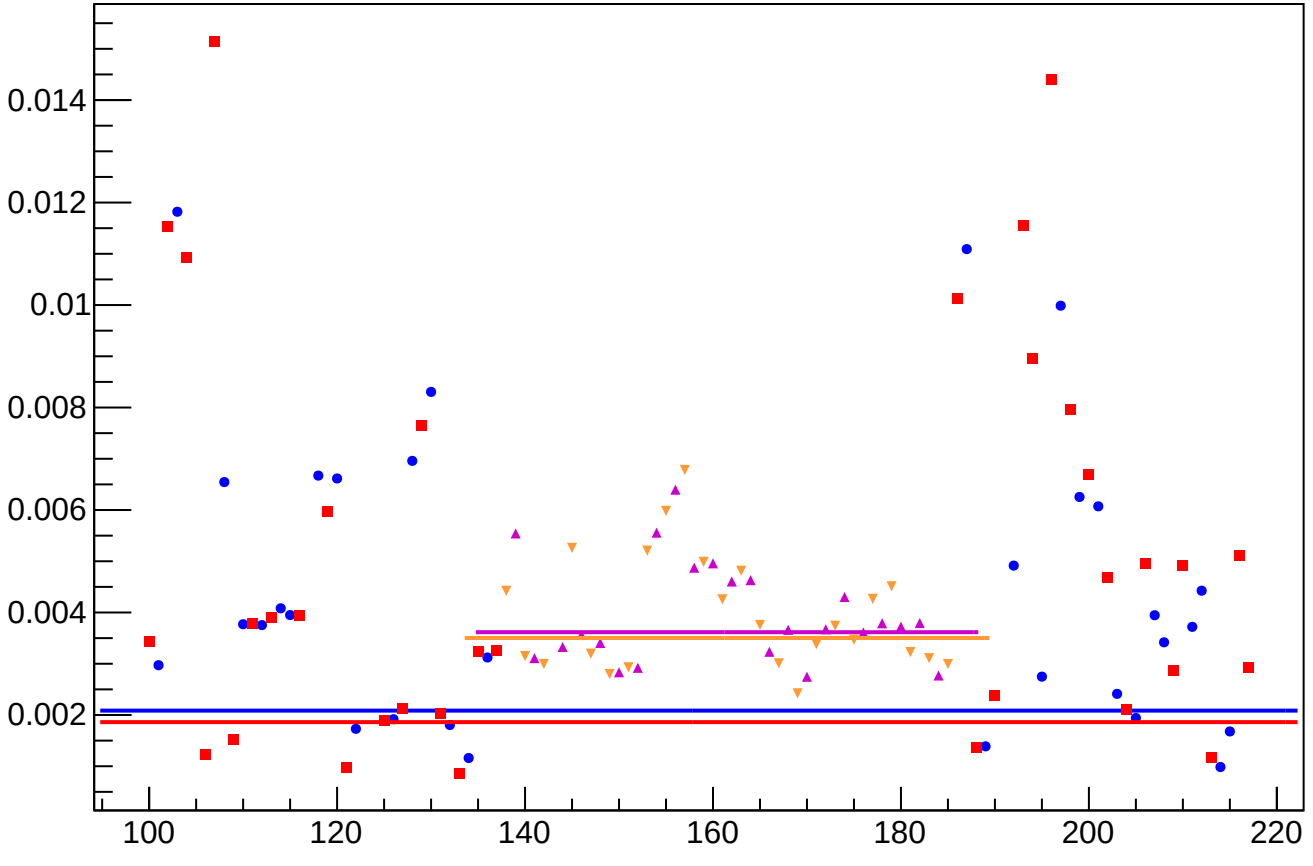
Right: 0.000+/-0.000 χ^2/NDF: 139.7/64

In: 0.000+/-0.000 χ^2/NDF:46.1/53

Out: -0.000+/-0.000 χ^2/NDF:133.7/57

All: -0.000+/-0.000 χ^2/NDF: 186.9/111

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: 15510899.3/33

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

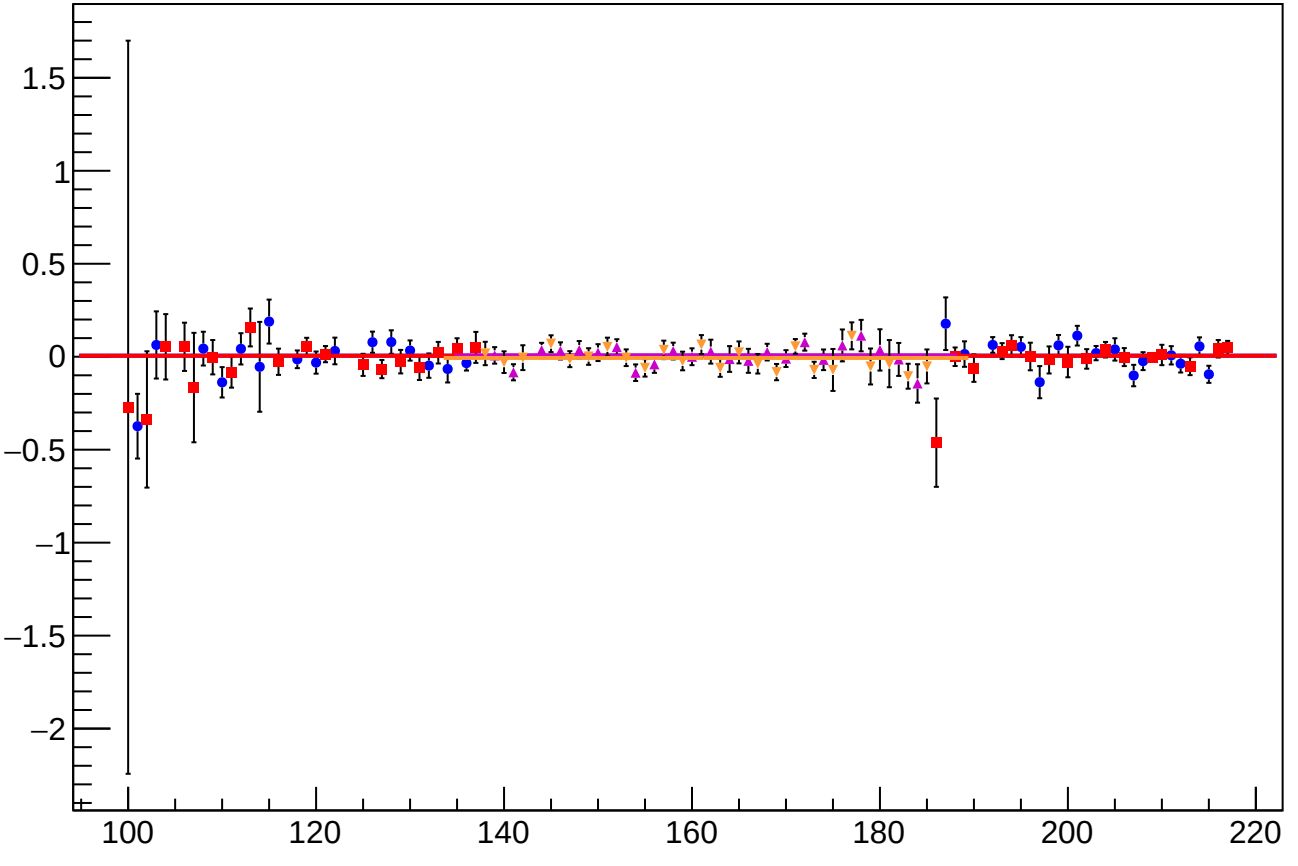
Right: 0.002+/-0.000 χ^2/NDF: 26662949.3/64

In: 0.003+/-0.000 χ^2/NDF:16871506.8/53

Out: 0.002+/-0.000 χ^2/NDF:22925525.3/57

All: 0.002+/-0.000 χ^2/NDF: 39972847.1/111

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: 0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

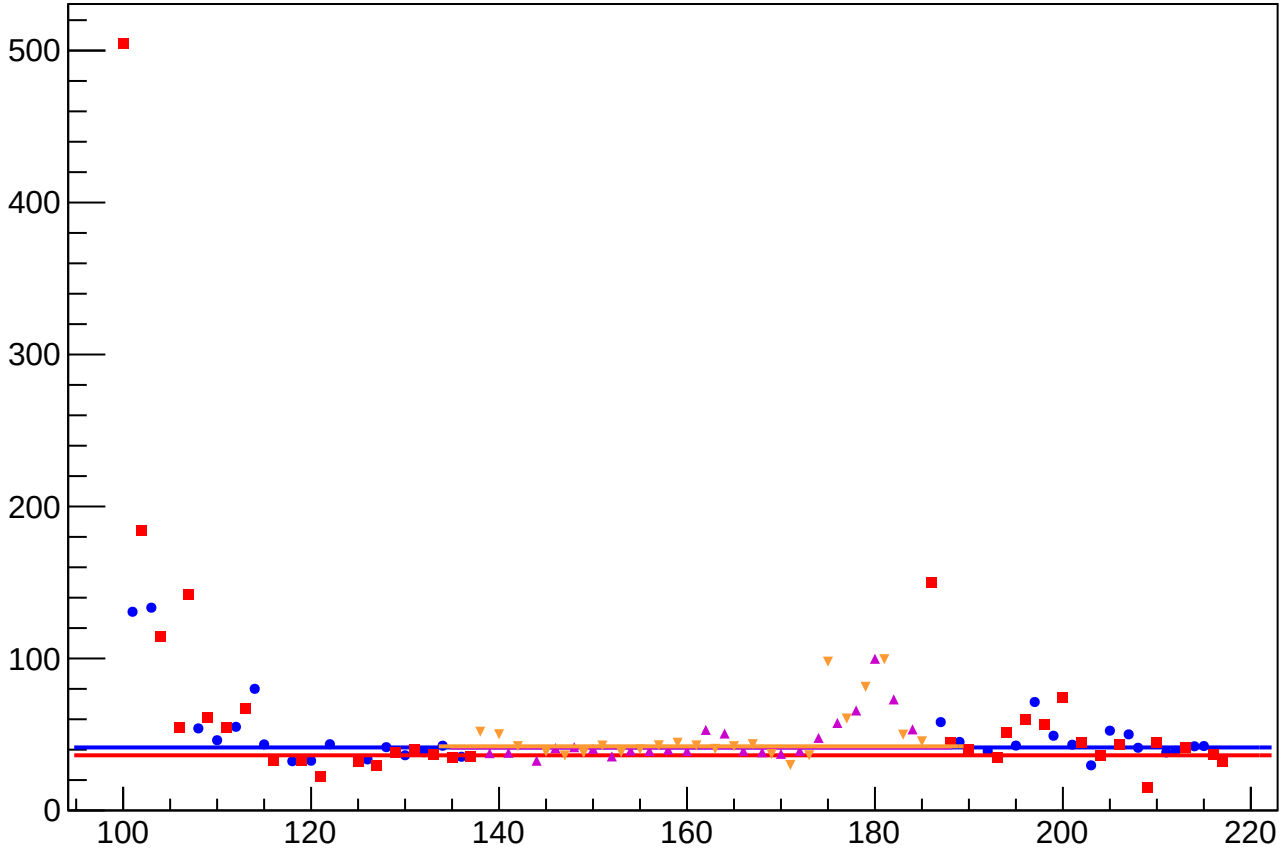
Right: 0.005+/-0.007 χ^2/NDF: 61.5/64

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.000+/-0.007 χ^2/NDF:45.9/57

All: 0.003+/-0.005 χ^2/NDF: 106.5/111

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: 36.286+/-0.007 χ^2/NDF: 4920955.8/33

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

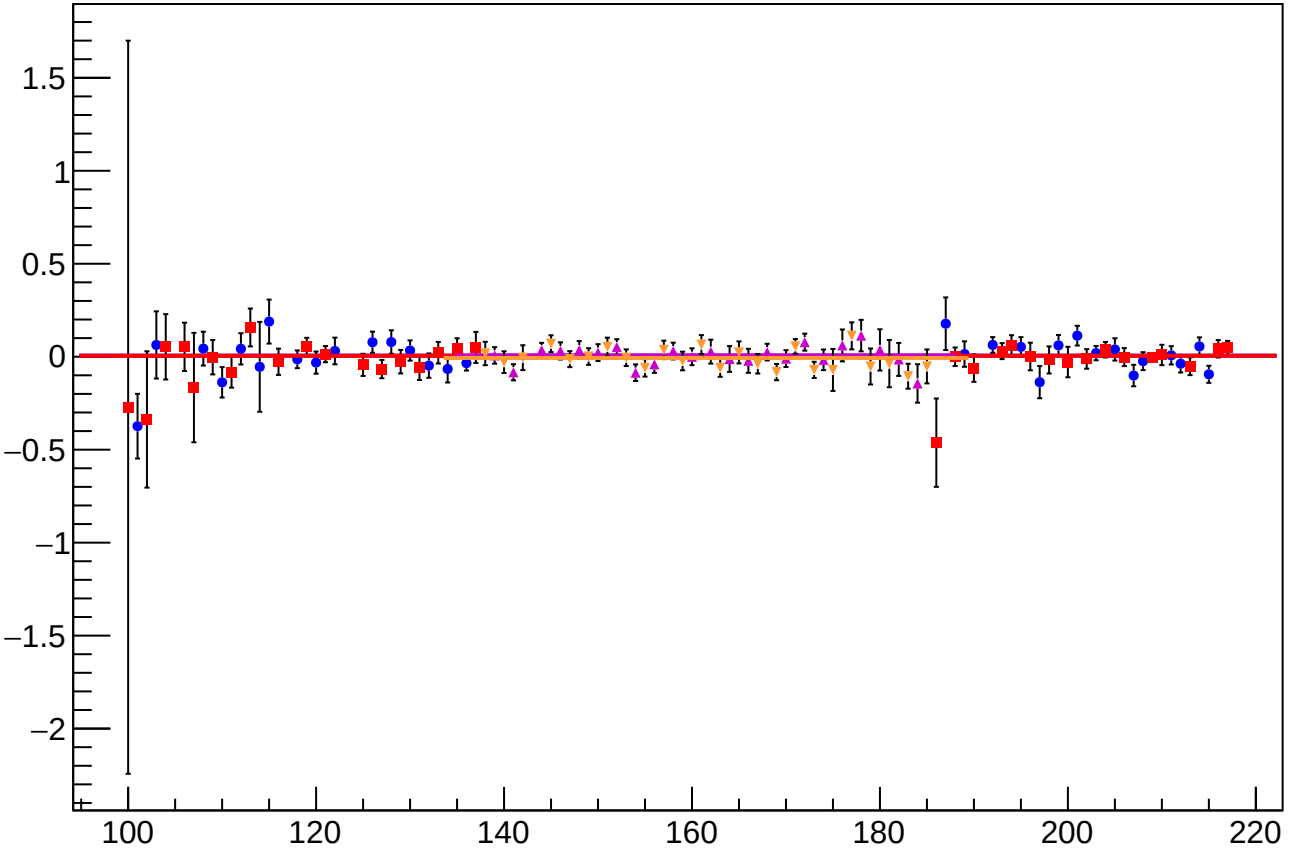
Right: 38.658+/-0.005 χ^2/NDF: 7231054.1/64

In: 41.440+/-0.005 χ^2/NDF:3465348.4/53

Out: 38.920+/-0.005 χ^2/NDF:7066860.1/57

All: 40.134+/-0.004 χ^2/NDF: 10647567.1/111

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: 0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

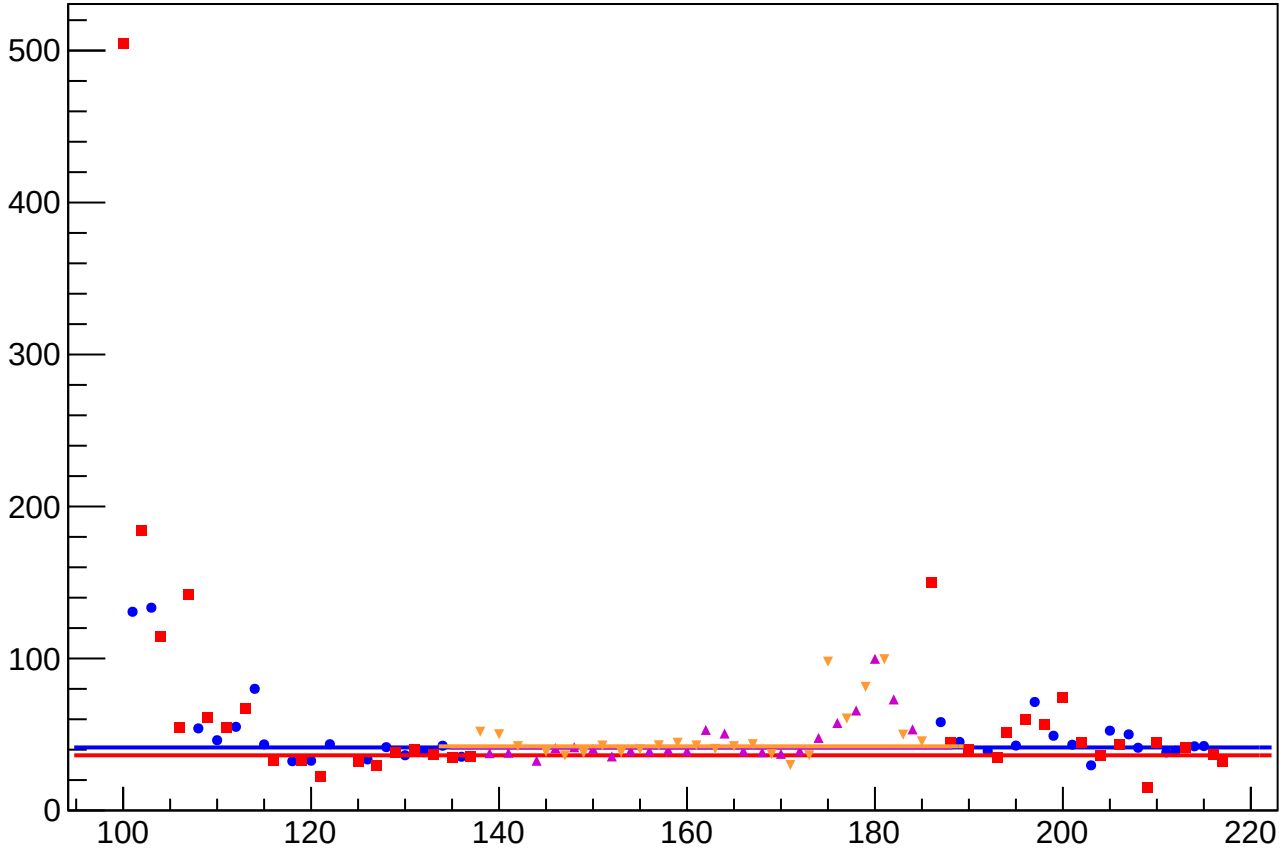
Right: 0.005+/-0.007 χ^2/NDF: 61.5/64

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.000+/-0.007 χ^2/NDF:45.9/57

All: 0.003+/-0.005 χ^2/NDF: 106.5/111

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: 36.286+/-0.007 χ^2/NDF: 4920955.8/33

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

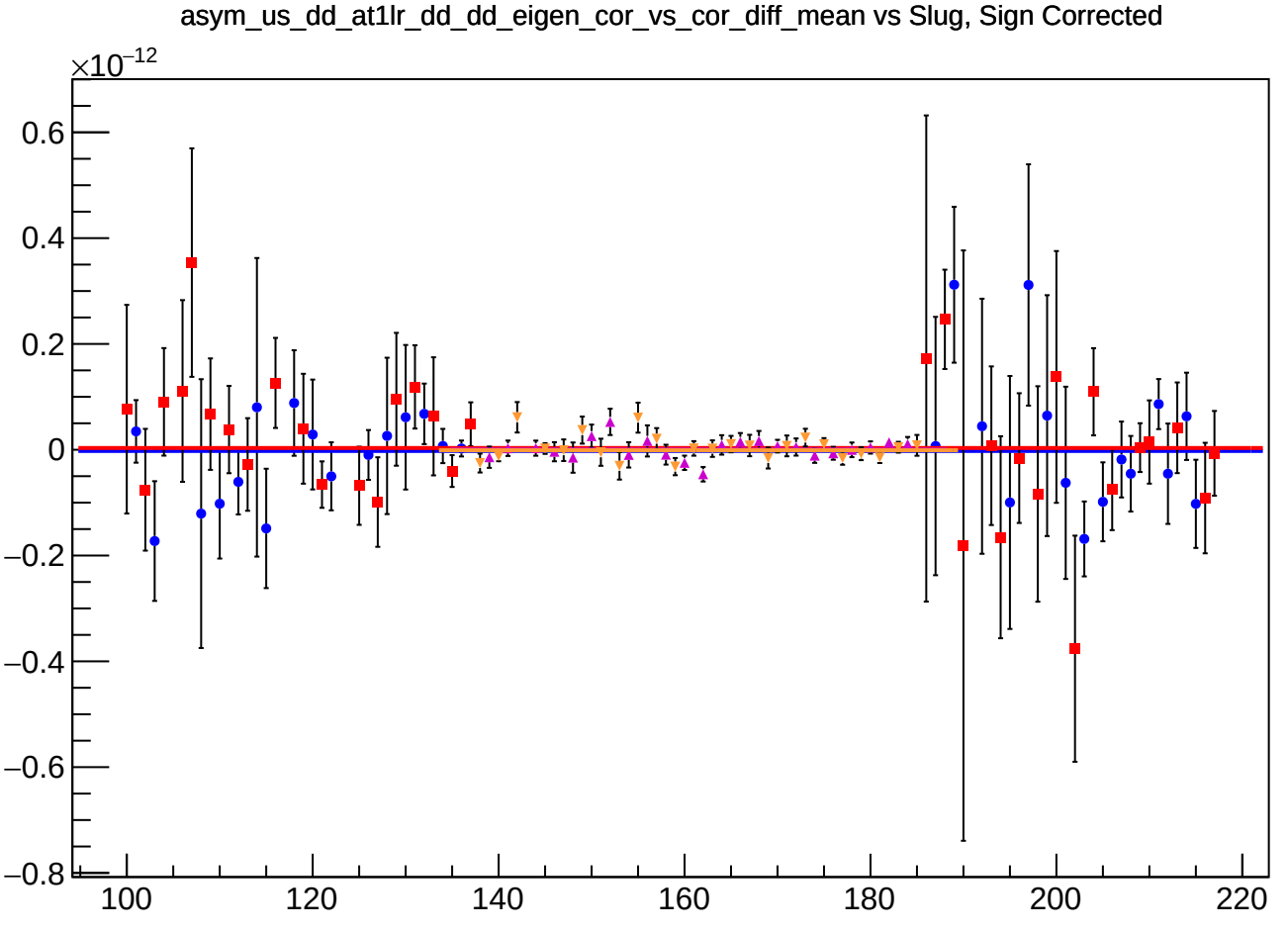
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.658+/-0.005 χ^2/NDF: 7231054.1/64

In: 41.440+/-0.005 χ^2/NDF:3465348.4/53

Out: 38.920+/-0.005 χ^2/NDF:7066860.1/57

All: 40.134+/-0.004 χ^2/NDF: 10647567.1/111



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: 33.6/33

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

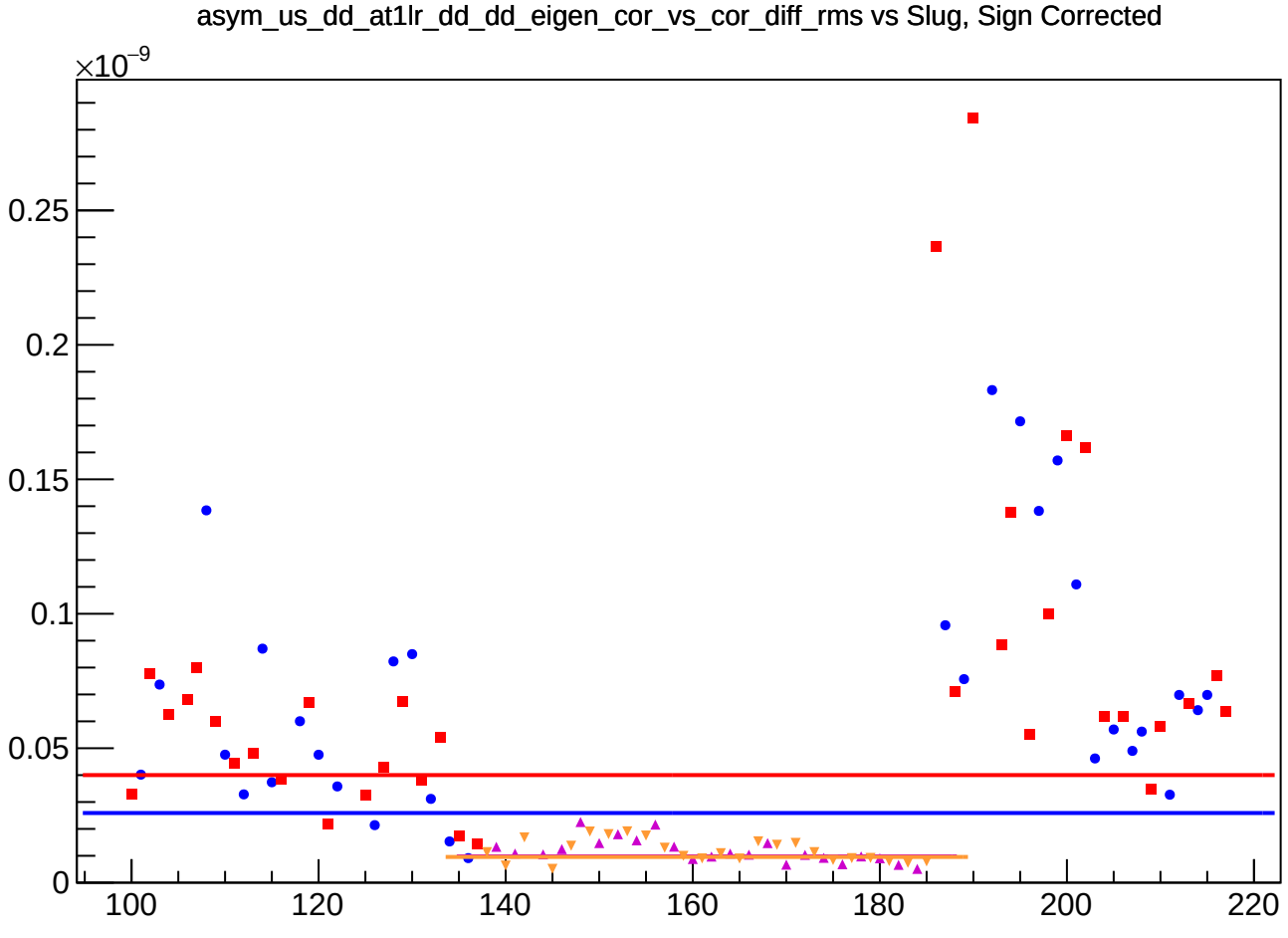
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: -0.000+/-0.000 χ^2/NDF: 63.8/64

In: 0.000+/-0.000 χ^2/NDF:58.5/53

Out: -0.000+/-0.000 χ^2/NDF:63.2/57

All: -0.000+/-0.000 χ^2/NDF: 121.8/111



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: 7243330.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

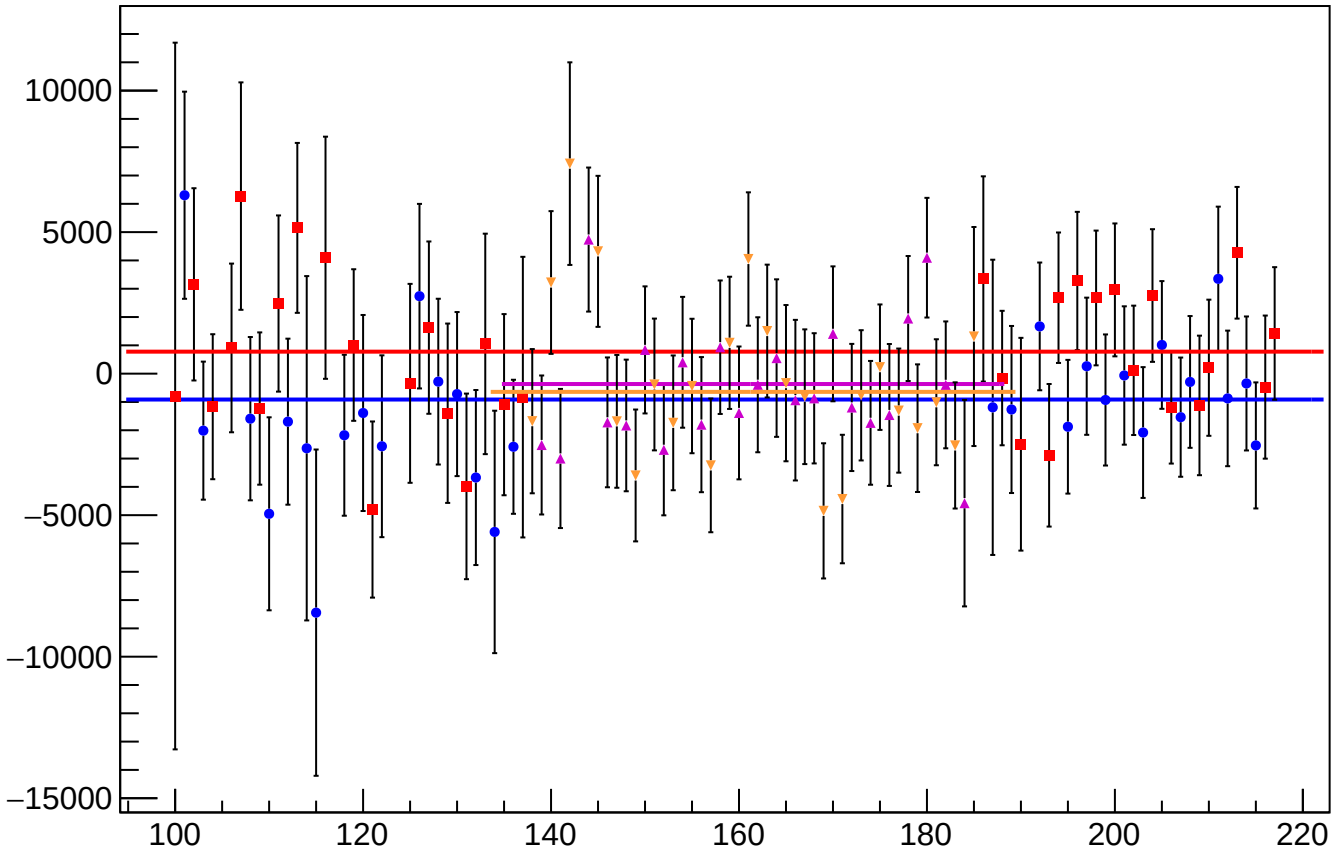
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 19553575.6/64

In: 0.000+/-0.000 χ^2/NDF:17600040.3/53

Out: 0.000+/-0.000 χ^2/NDF:19120803.7/57

All: 0.000+/-0.000 χ^2/NDF: 36723737.1/111



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: 777.117+/-479.889 χ^2/NDF: 24.8/33

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

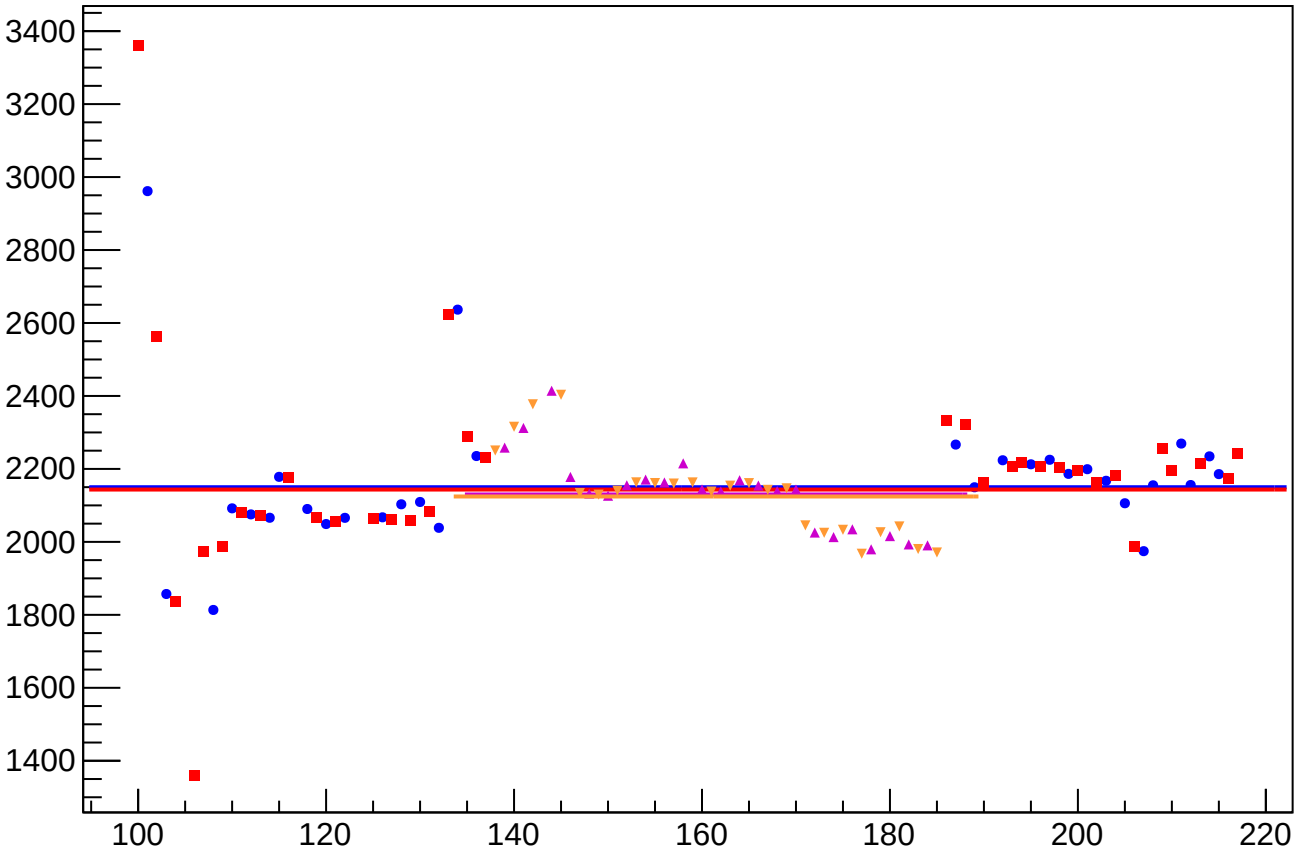
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -49.153+/-343.215 χ^2/NDF: 48.9/64

In: -644.335+/-349.624 χ^2/NDF:36.0/53

Out: 86.778+/-344.106 χ^2/NDF:56.1/57

All: -272.963+/-245.247 χ^2/NDF: 94.3/111



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: 2143.447+/-0.339 χ^2/NDF: 319337.8/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

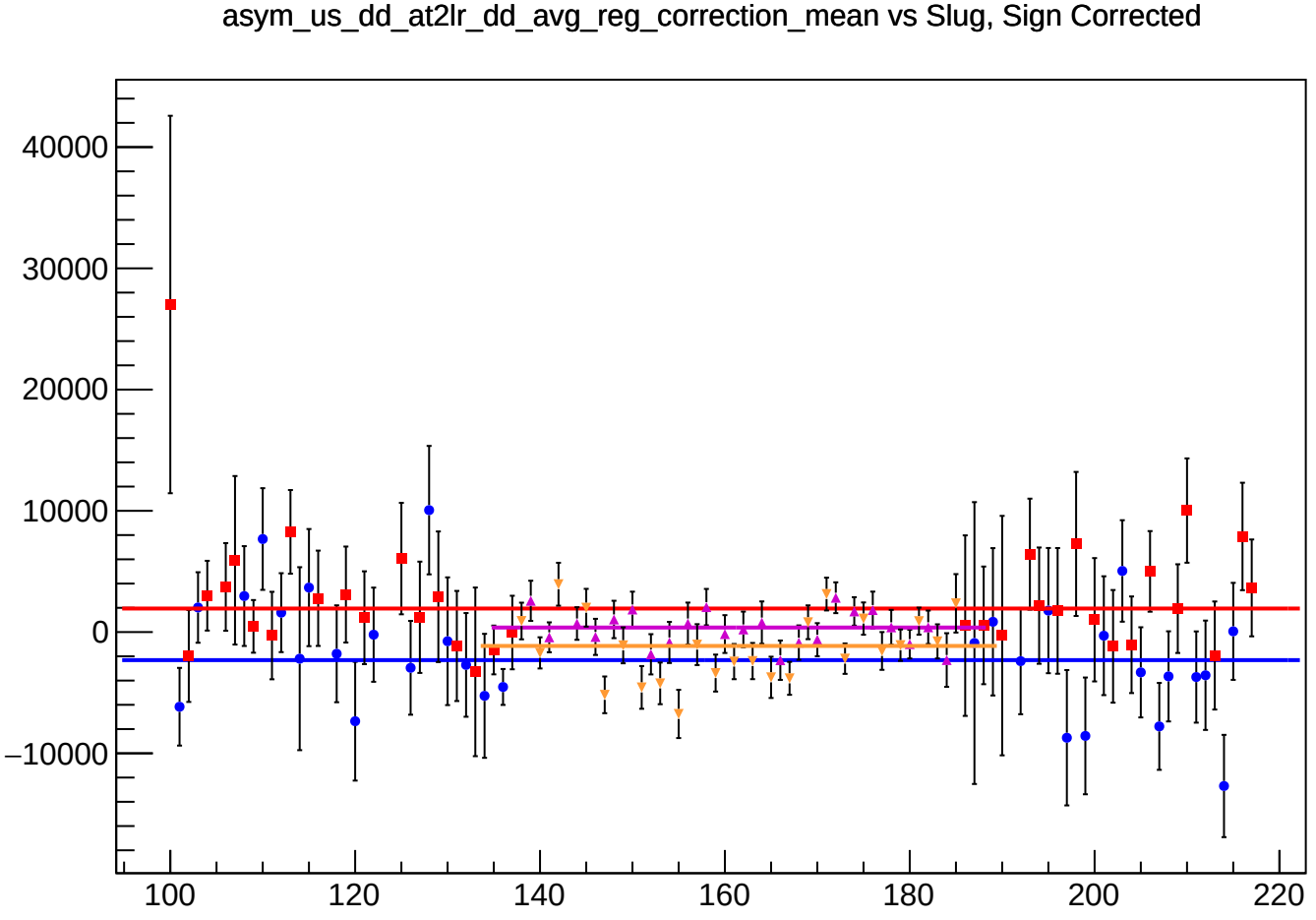
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

Right: 2146.564+/-0.243 χ^2/NDF: 543388.5/64

In: 2140.000+/-0.247 χ^2/NDF:310857.0/53

Out: 2134.211+/-0.243 χ^2/NDF:410046.6/57

All: 2137.060+/-0.173 χ^2/NDF: 721182.1/111



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: 1940.867+/-678.139 χ^2/NDF: 24.0/33

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

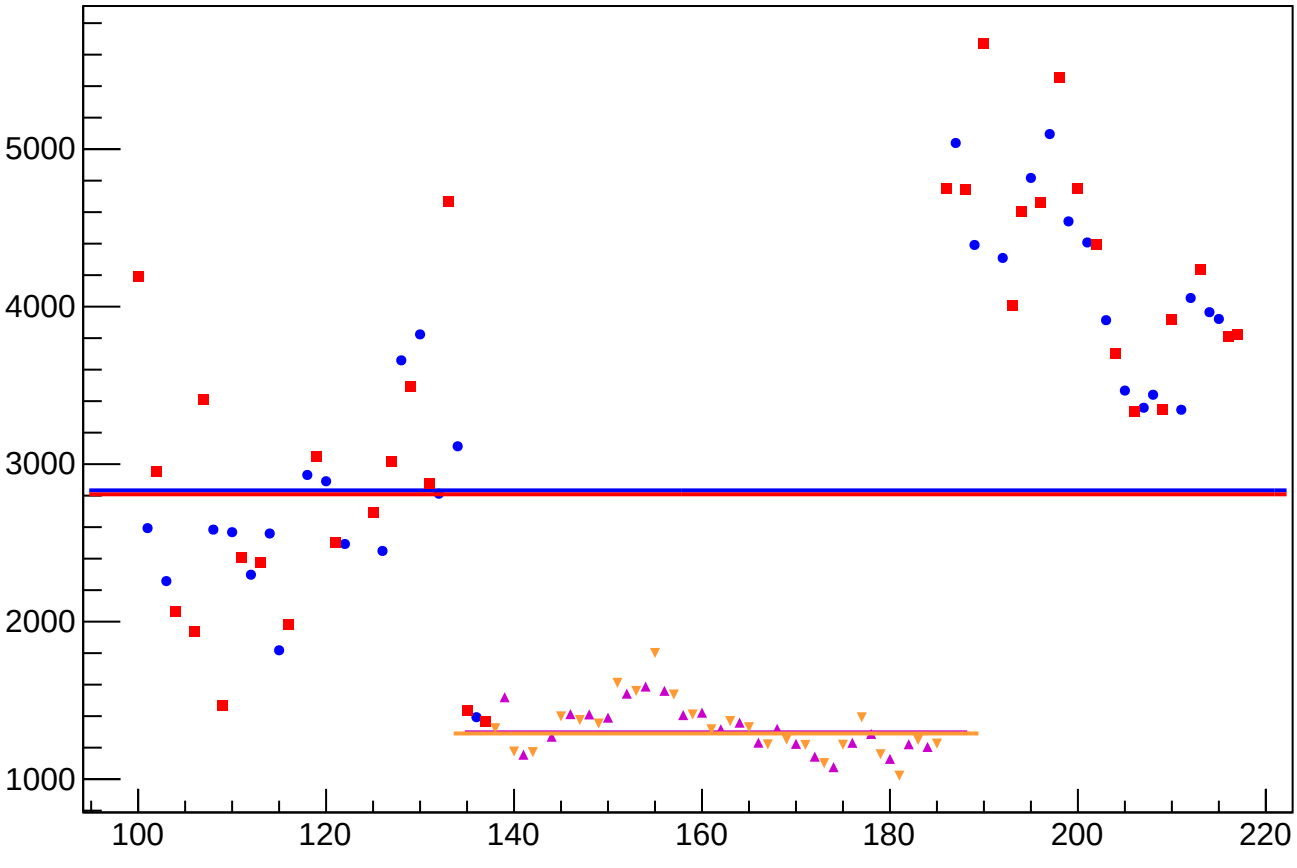
Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

Right: -150.890+/-483.470 χ^2/NDF: 83.2/64

In: -67.279+/-279.215 χ^2/NDF:72.8/53

Out: -632.754+/-276.252 χ^2/NDF:108.8/57

All: -353.033+/-196.379 χ^2/NDF: 183.7/111



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: 2808.493+/-0.480 χ^2/NDF: 5750026.5/33

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

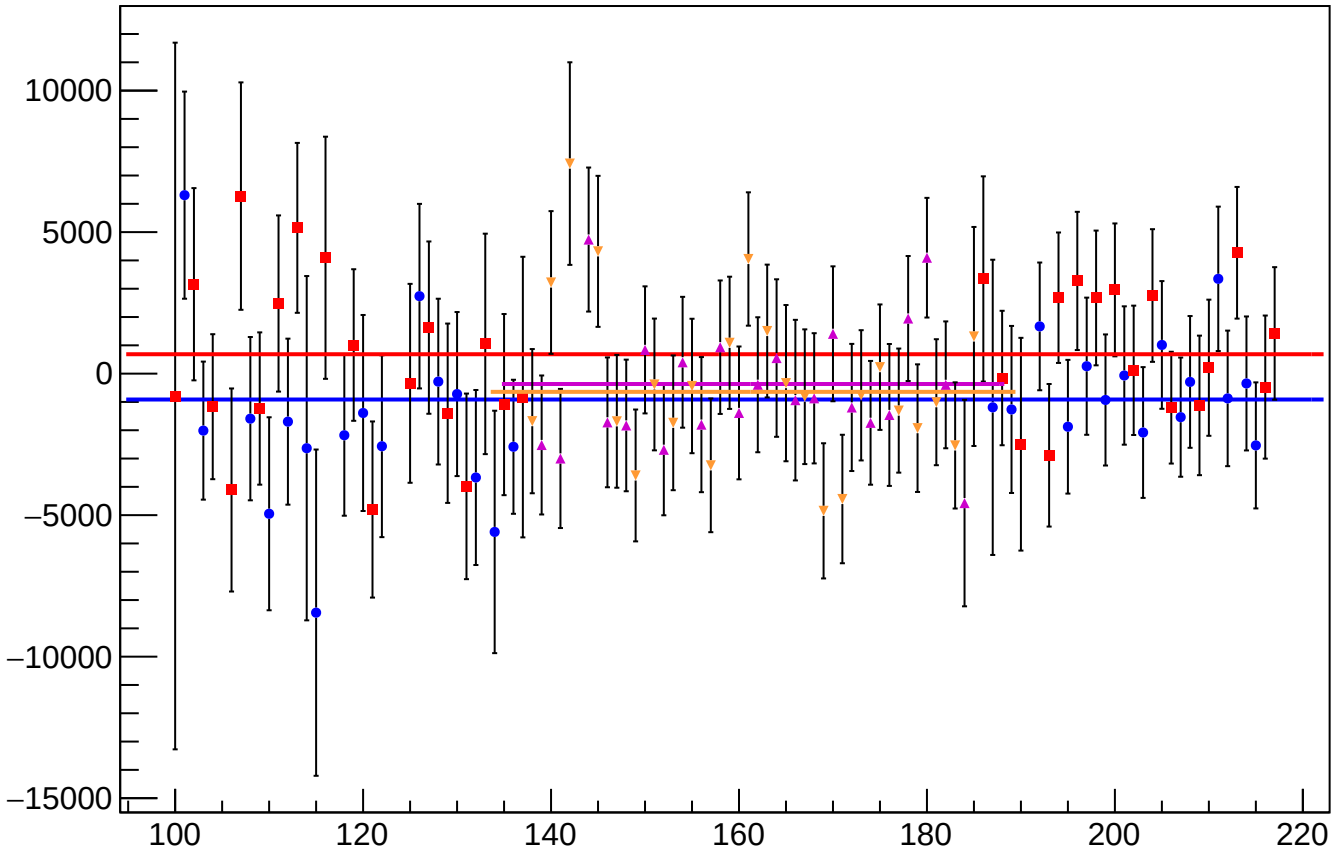
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2820.741+/-0.342 χ^2/NDF: 10330640.8/64

In: 1549.359+/-0.197 χ^2/NDF:13311165.6/53

Out: 1542.015+/-0.195 χ^2/NDF:14681597.0/57

All: 1545.648+/-0.139 χ^2/NDF: 27993461.7/1



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: 685.594+/-481.830 χ^2/NDF: 26.6/33

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

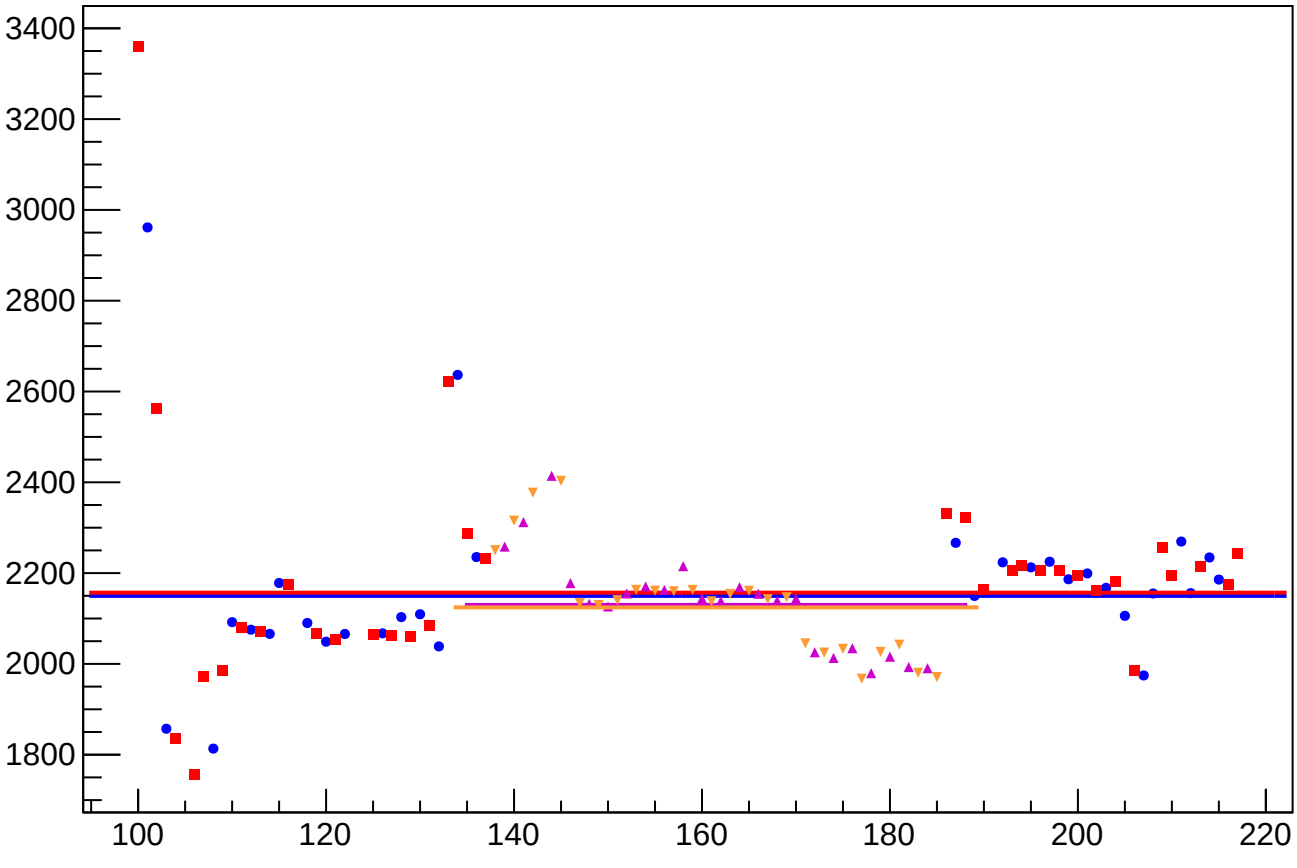
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -99.215+/-343.923 χ^2/NDF: 50.0/64

In: -644.302+/-349.624 χ^2/NDF:36.0/53

Out: 37.107+/-344.819 χ^2/NDF:57.4/57

All: -298.882+/-245.505 χ^2/NDF: 95.3/111



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: 2156.918+/-0.341 χ^2/NDF: 203165.7/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

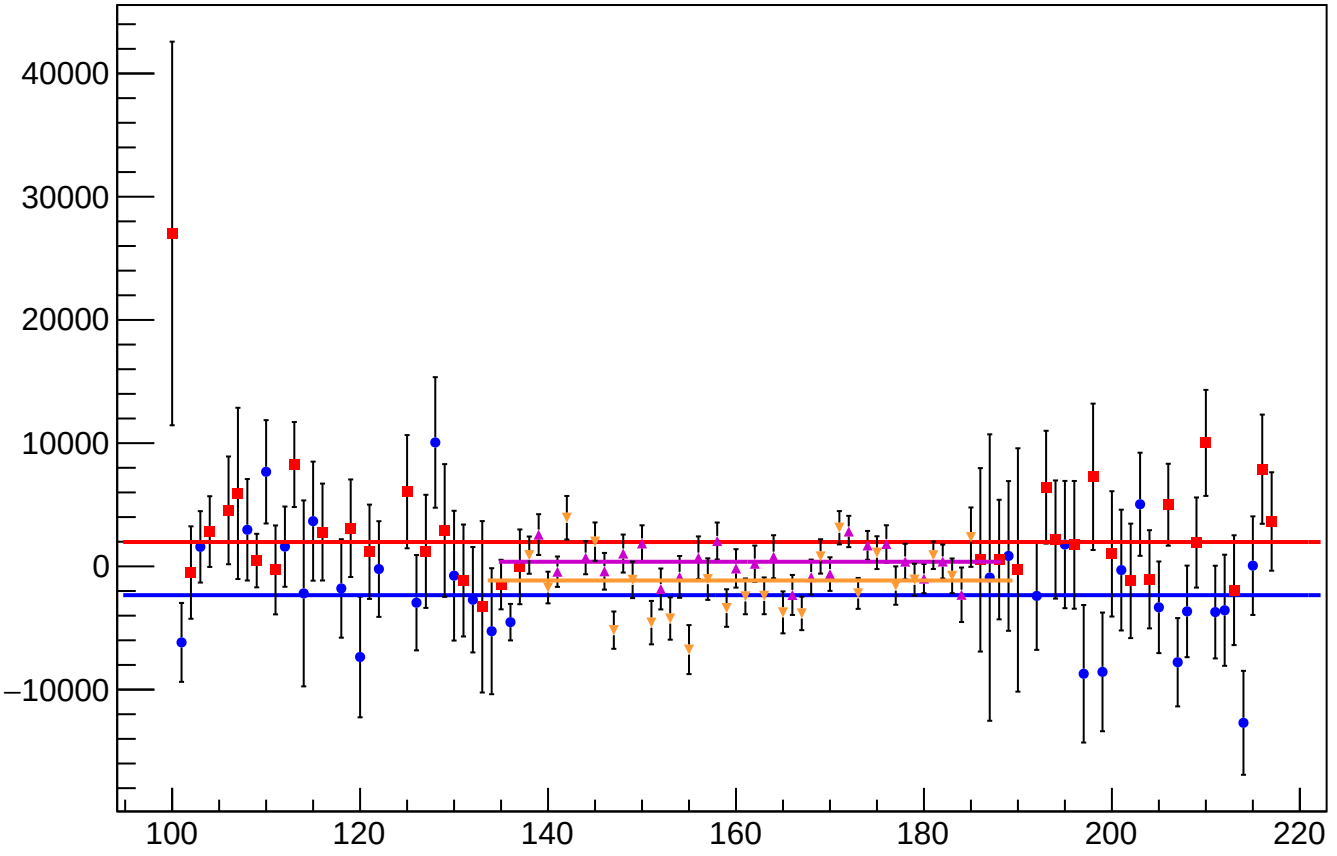
Right: 2153.440+/-0.243 χ^2/NDF: 427256.4/64

In: 2140.000+/-0.247 χ^2/NDF:310857.3/53

Out: 2141.072+/-0.244 χ^2/NDF:296783.7/57

All: 2140.544+/-0.174 χ^2/NDF: 607650.6/111

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2337.154+/-689.311 χ^2/NDF: 39.4/30

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1976.692+/-681.619 χ^2/NDF: 23.5/33

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

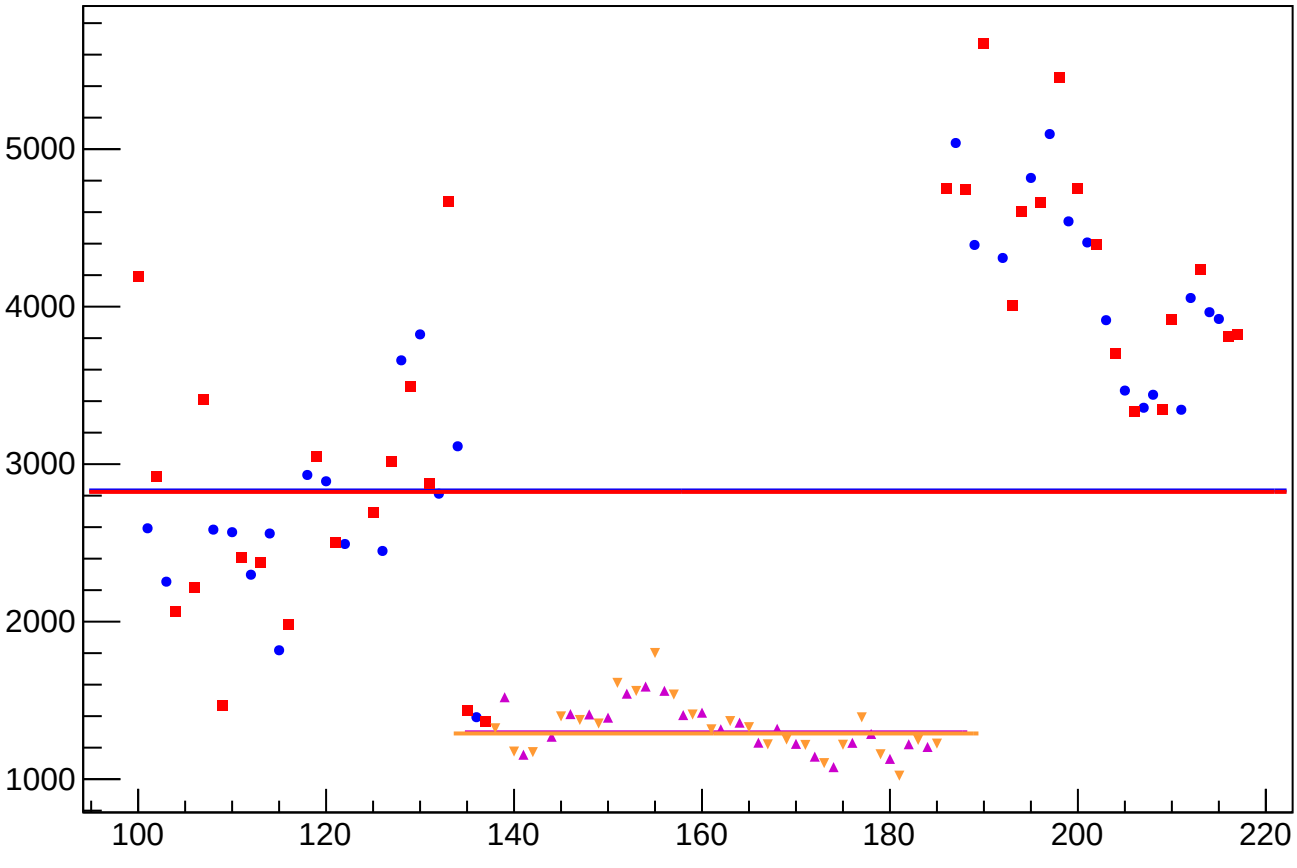
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -156.027+/-484.674 χ^2/NDF: 82.7/64

In: -71.488+/-279.206 χ^2/NDF:72.6/53

Out: -631.179+/-276.487 χ^2/NDF:108.5/57

All: -354.072+/-196.460 χ^2/NDF: 183.1/111



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: 2823.814+/-0.482 χ^2/NDF: 5670483.8/33

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

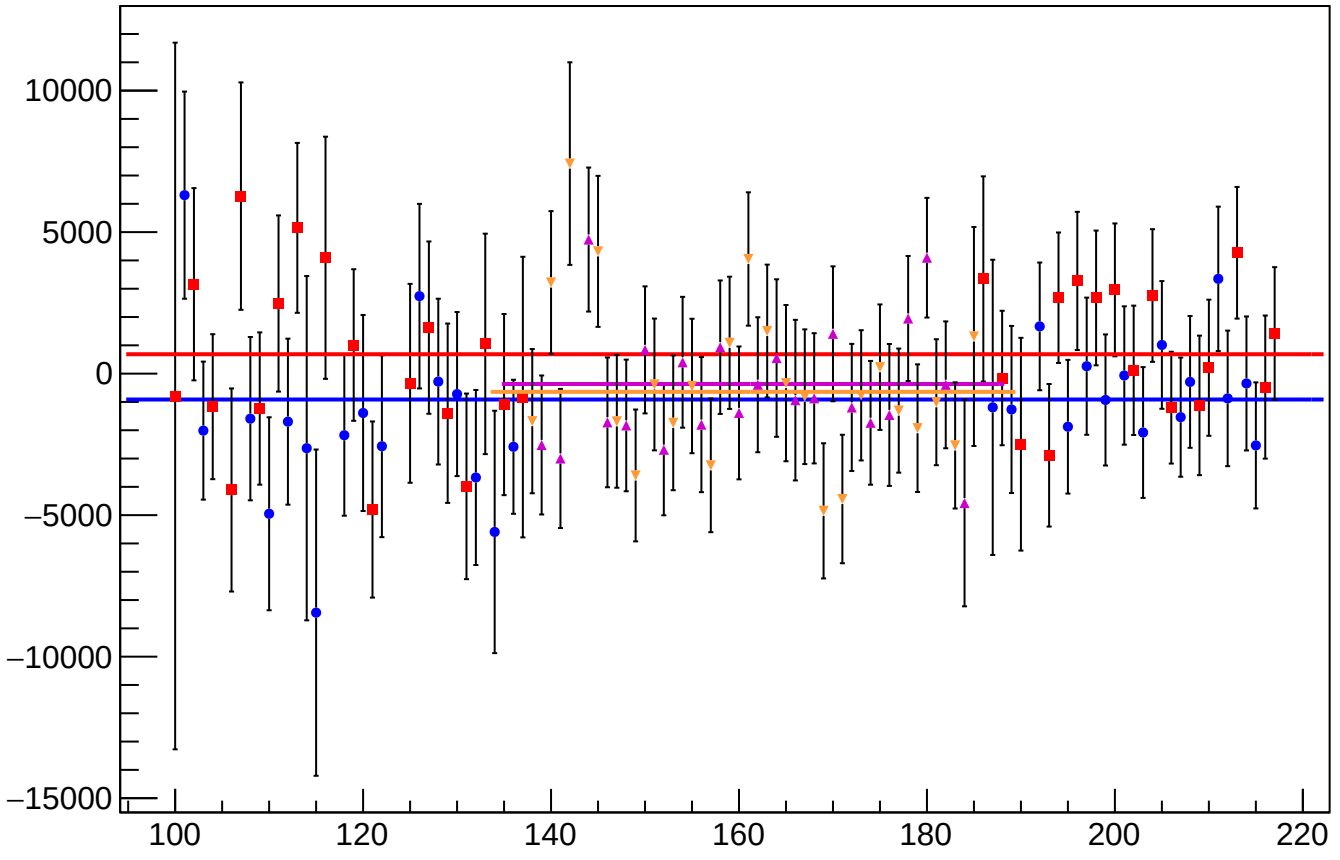
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2828.314+/-0.343 χ^2/NDF: 10251547.1/64

In: 1549.374+/-0.197 χ^2/NDF:13310488.3/53

Out: 1542.405+/-0.196 χ^2/NDF:14698865.0/57

All: 1545.855+/-0.139 χ^2/NDF: 28009982.6/



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: 685.594+/-481.830 χ^2/NDF: 26.6/33

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

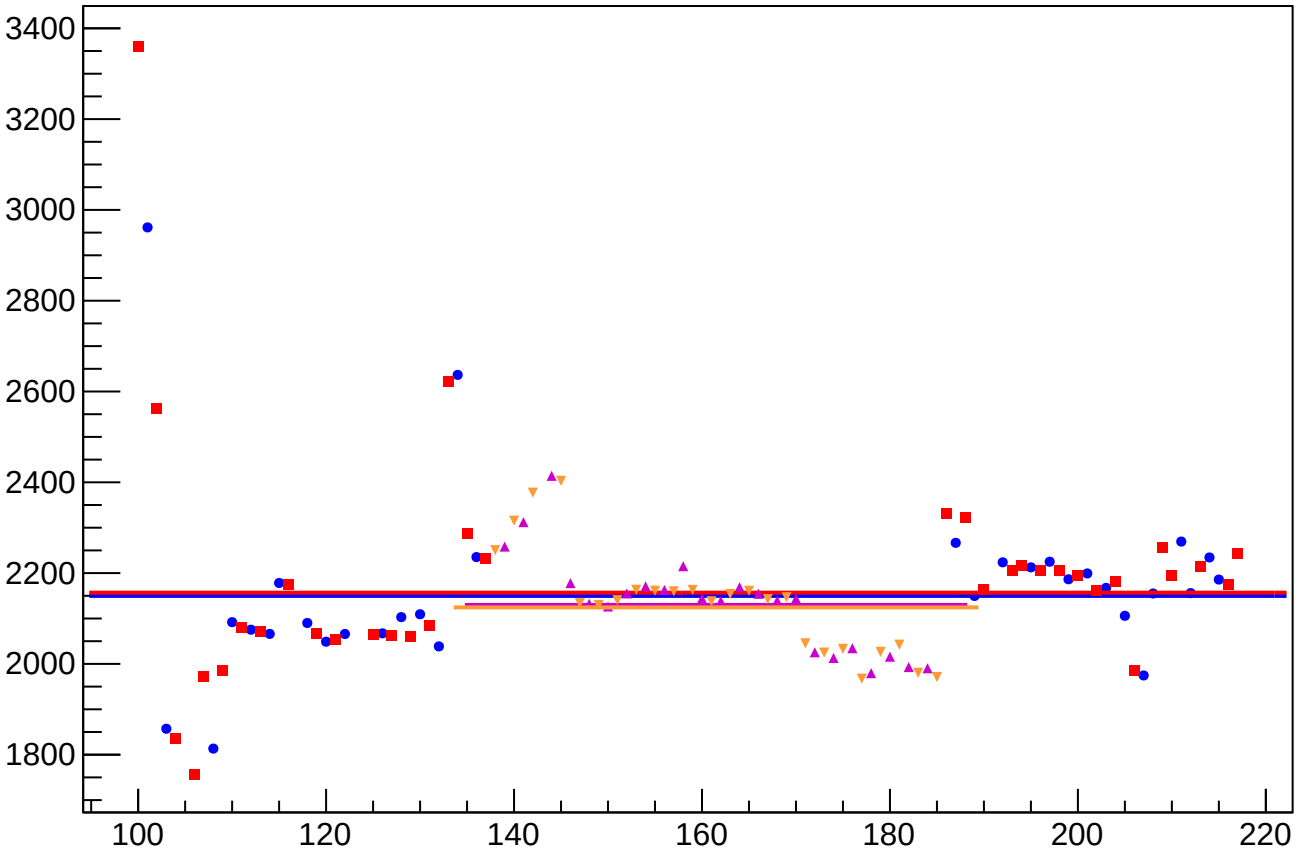
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -99.215+/-343.923 χ^2/NDF: 50.0/64

In: -644.302+/-349.624 χ^2/NDF:36.0/53

Out: 37.107+/-344.819 χ^2/NDF:57.4/57

All: -298.882+/-245.505 χ^2/NDF: 95.3/111



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: 2156.918+/-0.341 χ^2/NDF: 203165.7/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

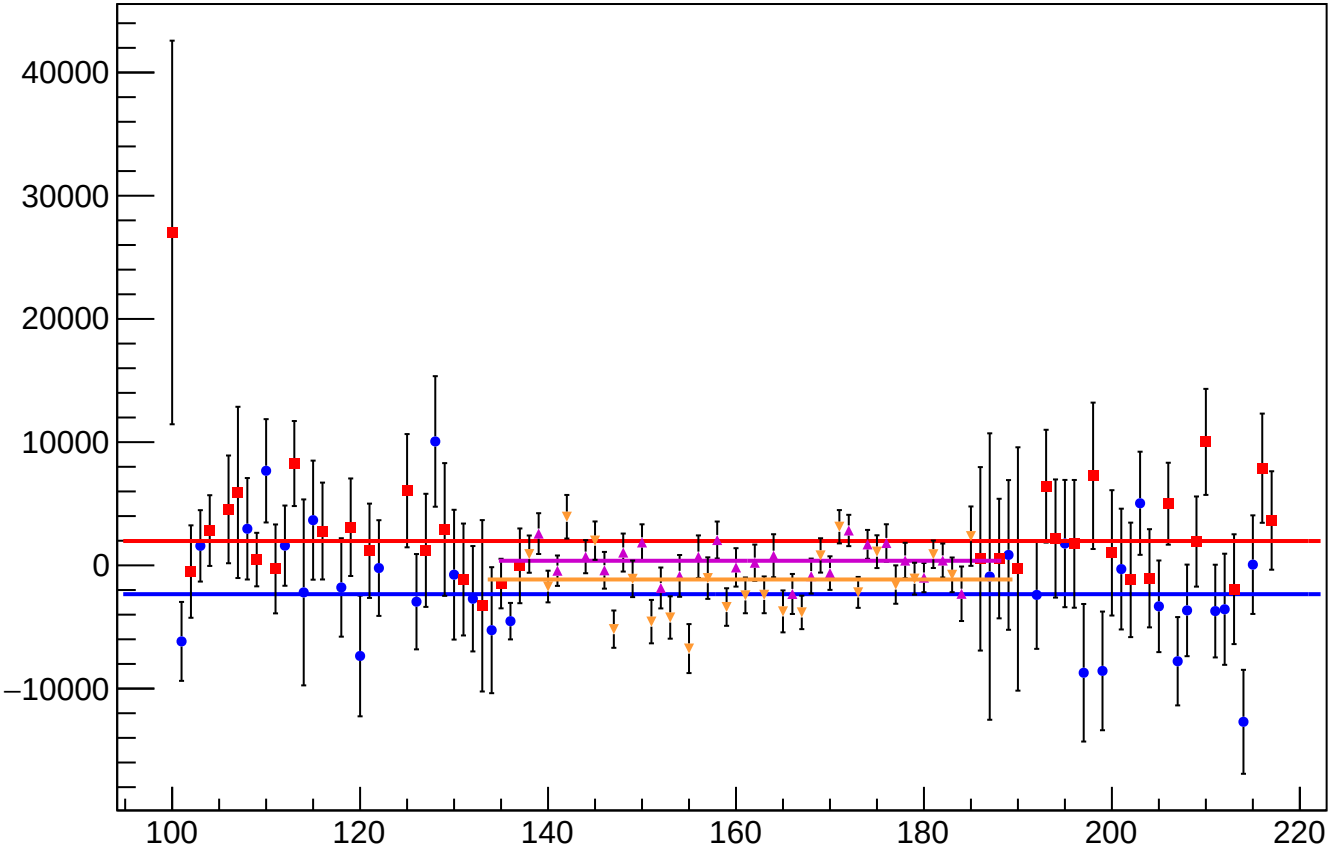
Right: 2153.440+/-0.243 χ^2/NDF: 427256.4/64

In: 2140.000+/-0.247 χ^2/NDF:310857.3/53

Out: 2141.072+/-0.244 χ^2/NDF:296783.7/57

All: 2140.544+/-0.174 χ^2/NDF: 607650.6/111

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2337.154+/-689.311 χ^2/NDF: 39.4/30

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1976.692+/-681.619 χ^2/NDF: 23.5/33

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

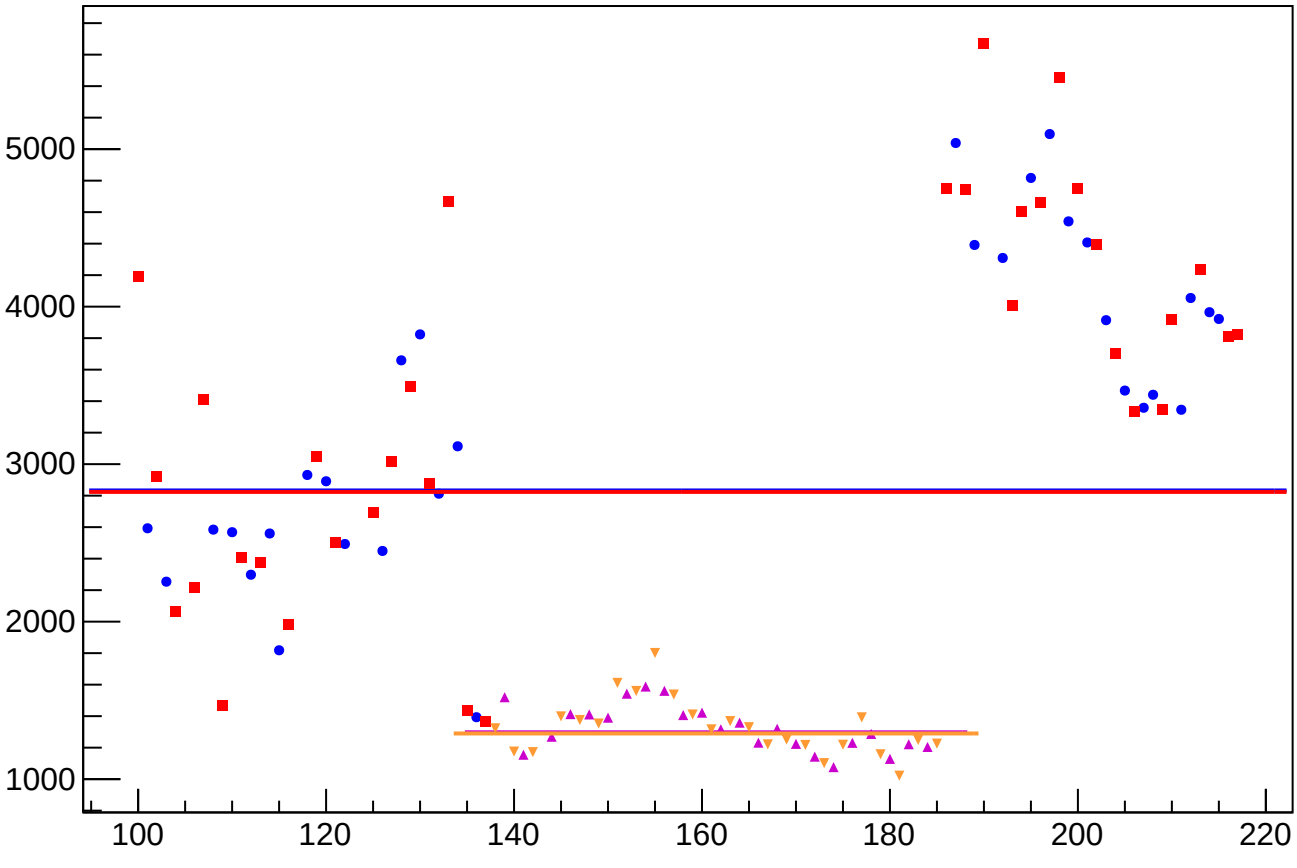
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -156.027+/-484.674 χ^2/NDF: 82.7/64

In: -71.488+/-279.206 χ^2/NDF:72.6/53

Out: -631.179+/-276.487 χ^2/NDF:108.5/57

All: -354.072+/-196.460 χ^2/NDF: 183.1/111



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: 2823.814+/-0.482 χ^2/NDF: 5670483.8/33

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

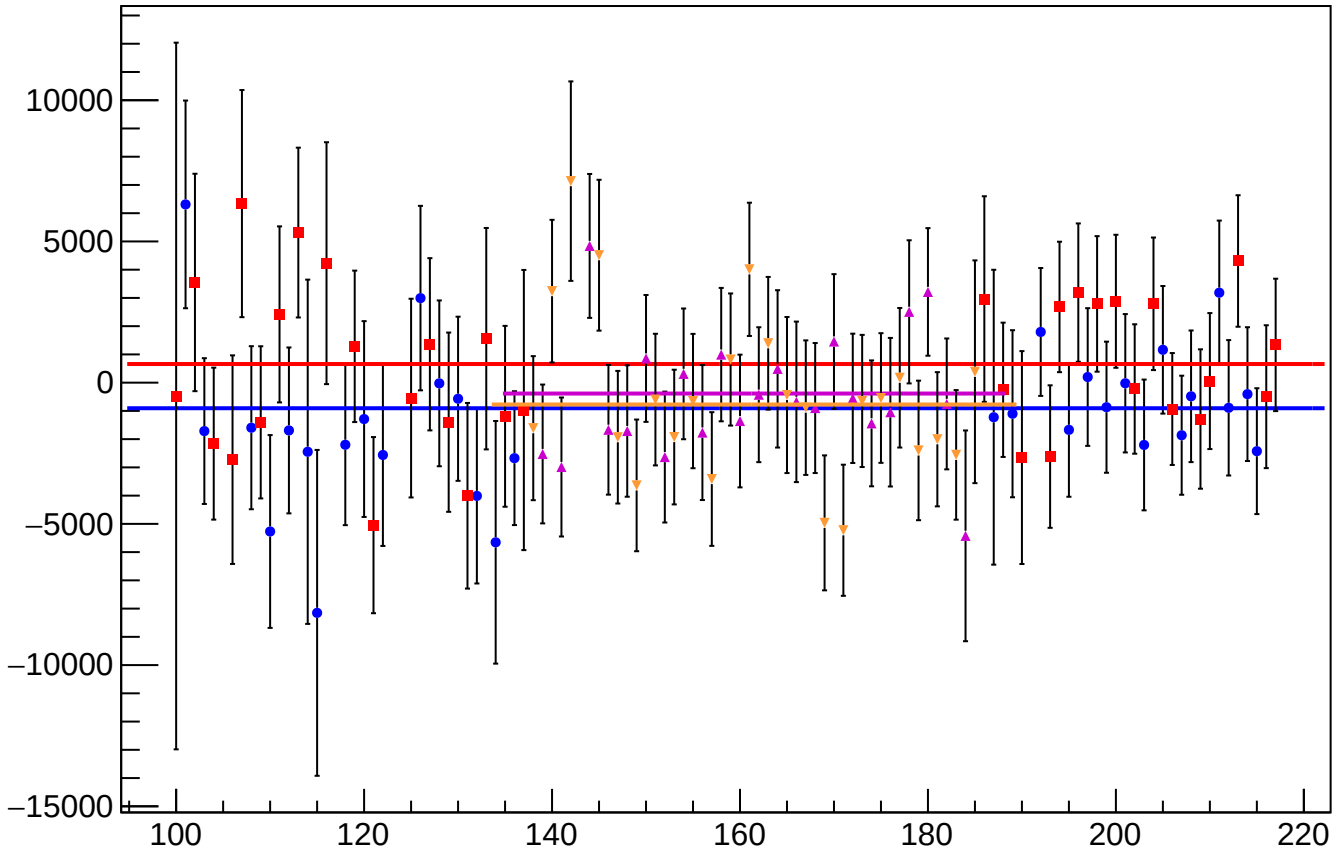
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2828.314+/-0.343 χ^2/NDF: 10251547.1/64

In: 1549.374+/-0.197 χ^2/NDF:13310488.3/53

Out: 1542.405+/-0.196 χ^2/NDF:14698865.0/57

All: 1545.855+/-0.139 χ^2/NDF: 28009982.6/



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: 659.762+/-484.887 χ^2/NDF: 26.6/33

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

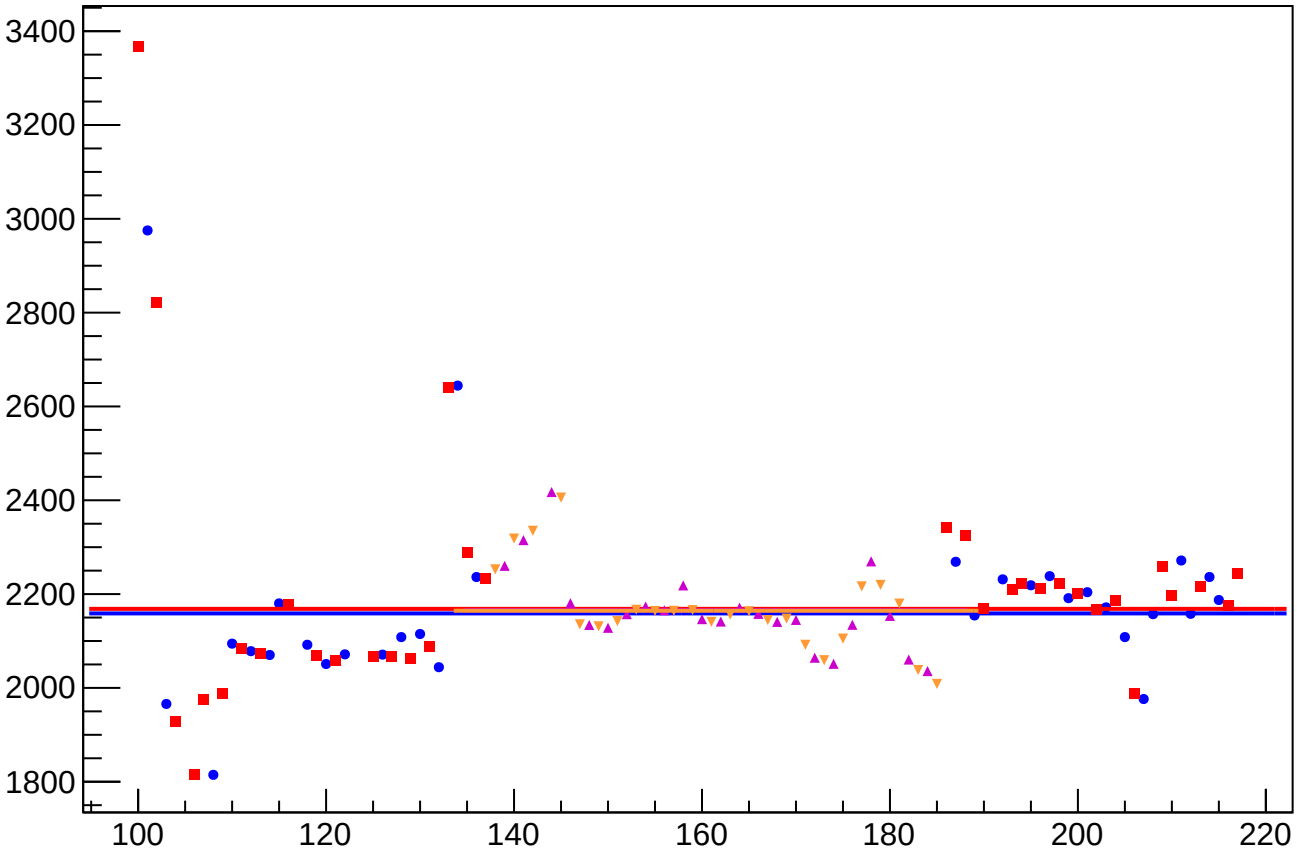
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -109.829+/-345.704 χ^2/NDF: 50.2/64

In: -652.136+/-353.132 χ^2/NDF:34.7/53

Out: -30.898+/-349.033 χ^2/NDF:59.3/57

All: -337.891+/-248.240 χ^2/NDF: 95.6/111



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: 2168.531+/-0.343 χ^2/NDF: 211189.9/33

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

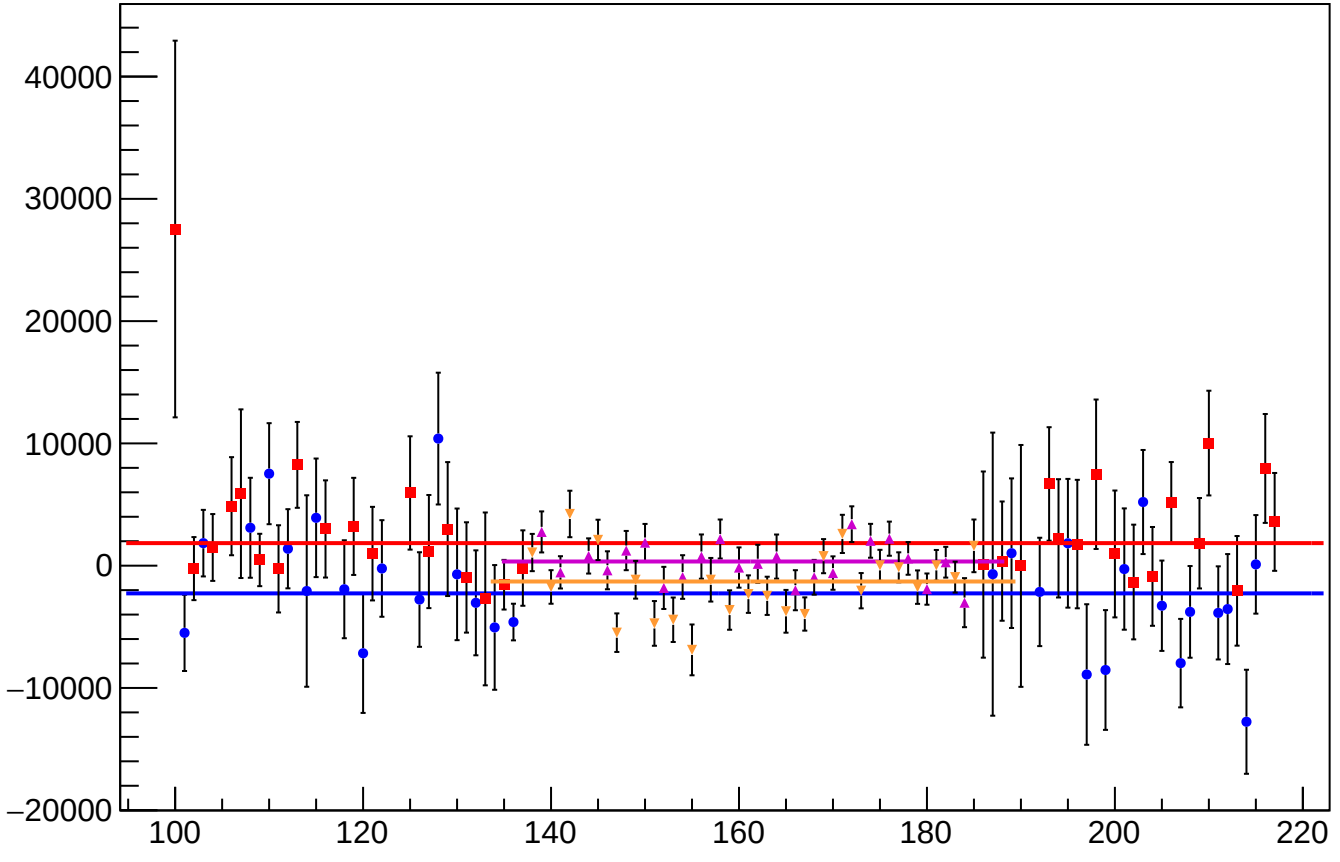
Right: 2163.751+/-0.244 χ^2/NDF: 419773.4/64

In: 2162.138+/-0.250 χ^2/NDF:260499.8/53

Out: 2166.604+/-0.247 χ^2/NDF:261931.7/57

All: 2164.397+/-0.176 χ^2/NDF: 522593.4/111

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2266.092+/-690.415 χ^2/NDF: 39.8/30

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1844.640+/-669.067 χ^2/NDF: 24.1/33

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

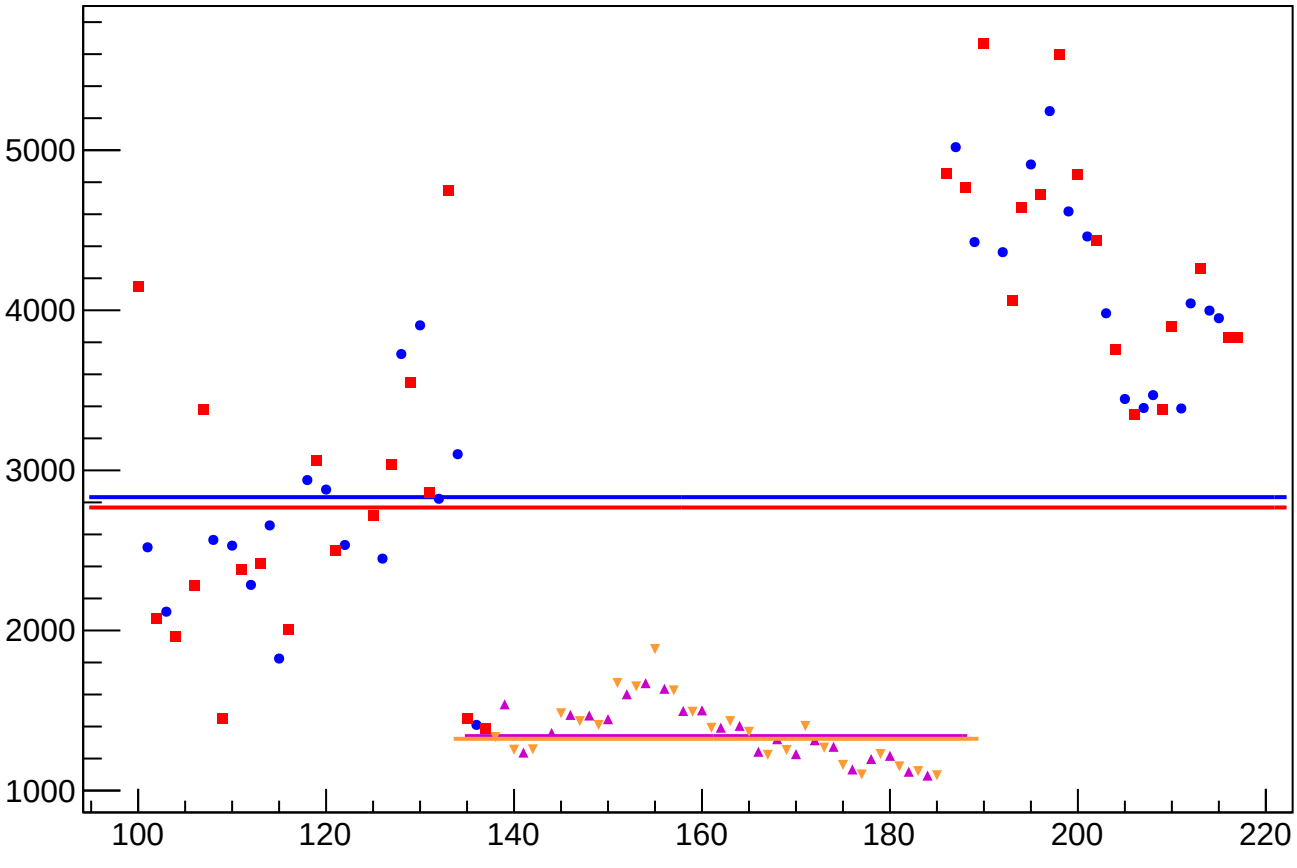
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -146.193+/-480.472 χ^2/NDF: 82.2/64

In: -109.315+/-287.007 χ^2/NDF:76.4/53

Out: -737.225+/-281.739 χ^2/NDF:100.9/57

All: -429.085+/-201.057 χ^2/NDF: 179.7/111



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: 2768.221+/-0.473 χ^2/NDF: 5968108.7/33

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

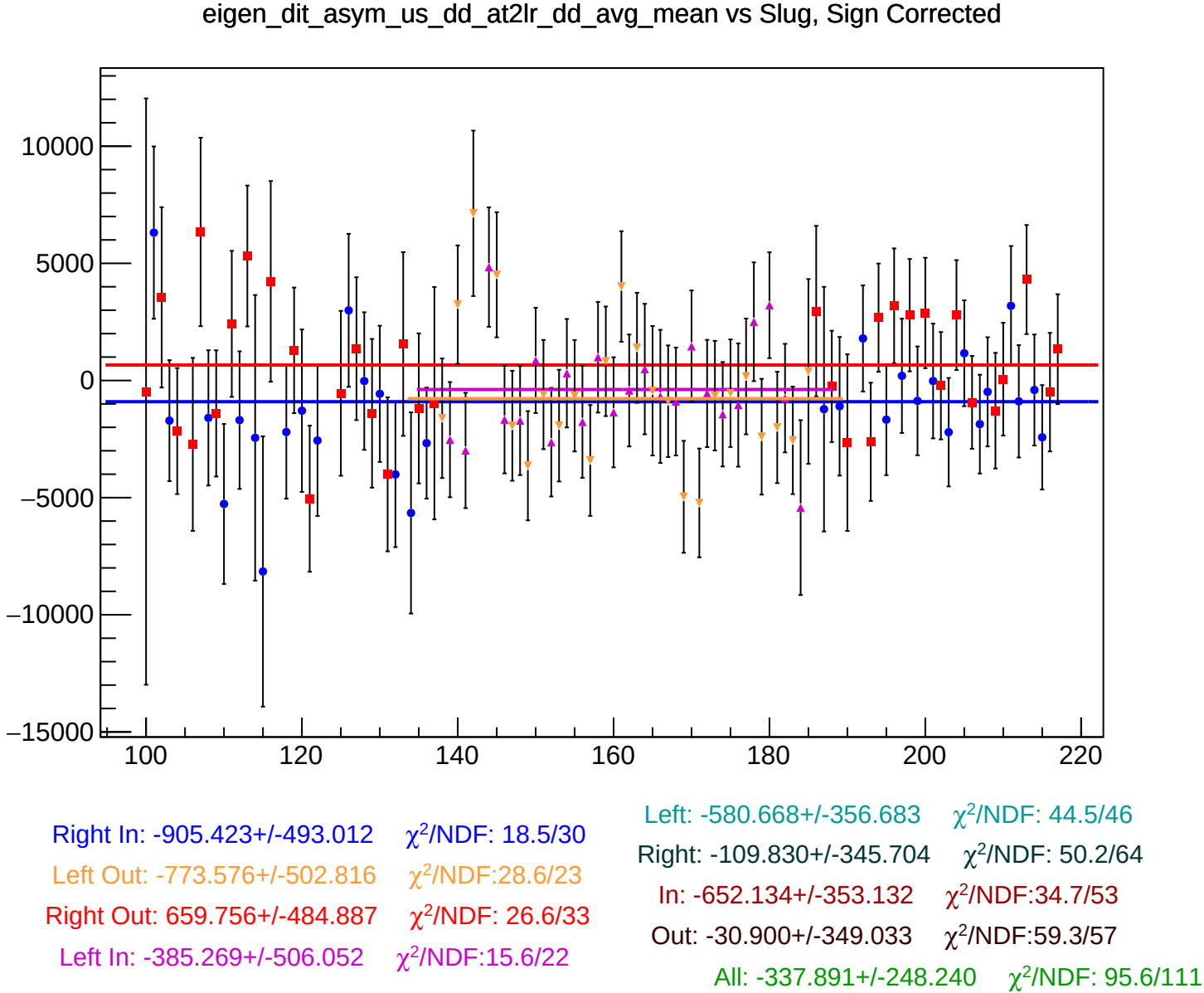
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

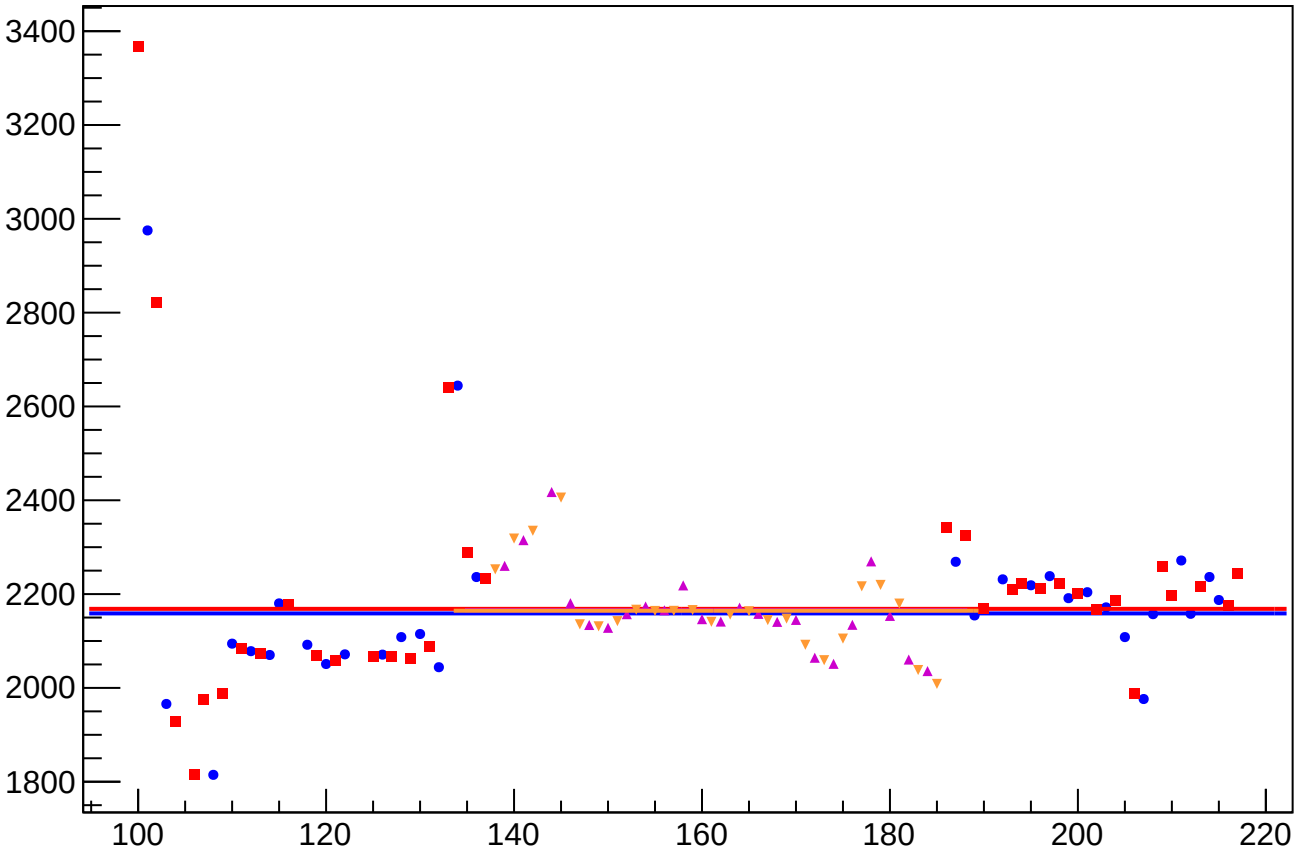
Right: 2799.483+/-0.340 χ^2/NDF: 10662593.3/64

In: 1598.034+/-0.203 χ^2/NDF:12912839.2/53

Out: 1579.596+/-0.199 χ^2/NDF:14304669.4/57

All: 1588.645+/-0.142 χ^2/NDF: 27221712.0/1


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: 659.756+/-484.887 χ²/NDF: 26.6/33
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -109.830+/-345.704 χ²/NDF: 50.2/64
In: -652.134+/-353.132 χ²/NDF:34.7/53
Out: -30.900+/-349.033 χ²/NDF:59.3/57
All: -337.891+/-248.240 χ²/NDF: 95.6/111



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: 2168.531+/-0.343 χ^2/NDF: 211189.8/33

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

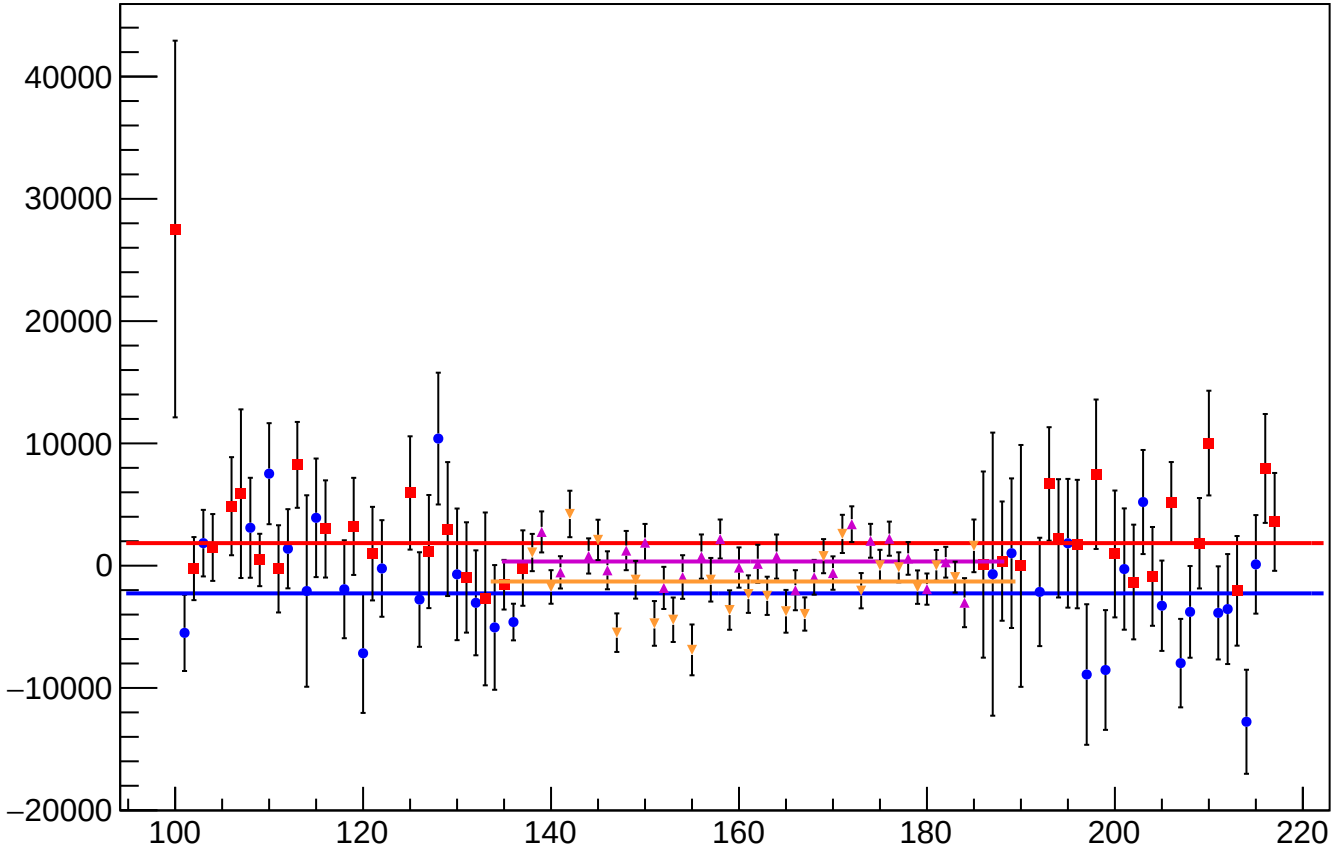
Right: 2163.751+/-0.244 χ^2/NDF: 419773.3/64

In: 2162.137+/-0.250 χ^2/NDF:260499.8/53

Out: 2166.604+/-0.247 χ^2/NDF:261931.7/57

All: 2164.397+/-0.176 χ^2/NDF: 522593.3/111

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: 1844.651+/-669.069 χ^2/NDF: 24.1/33

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

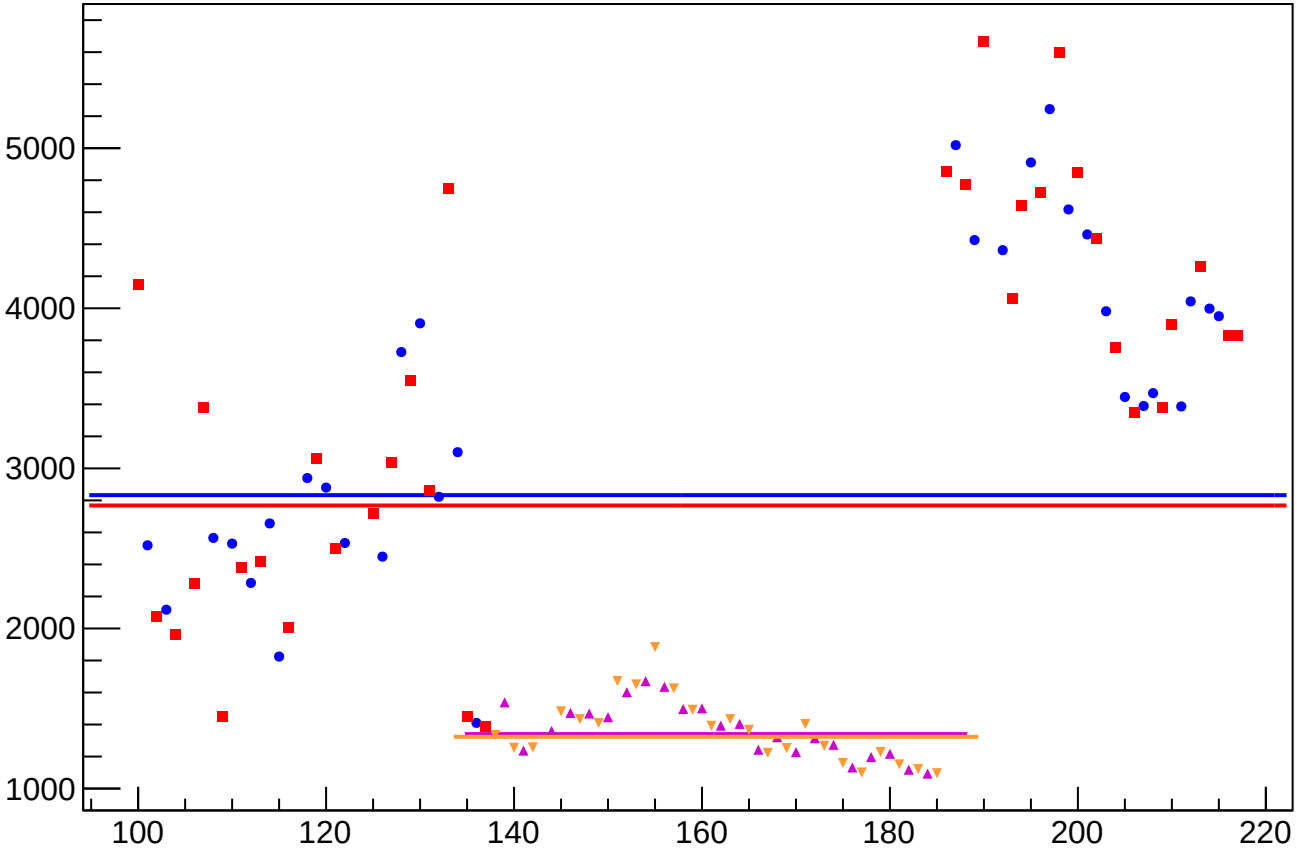
Right: -146.186+/-480.473 χ^2/NDF: 82.2/64

In: -109.314+/-287.007 χ^2/NDF:76.4/53

Out: -737.227+/-281.740 χ^2/NDF:100.9/57

All: -429.085+/-201.056 χ^2/NDF: 179.7/111

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: 2768.233+/-0.473 χ^2/NDF: 5968010.6/33

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

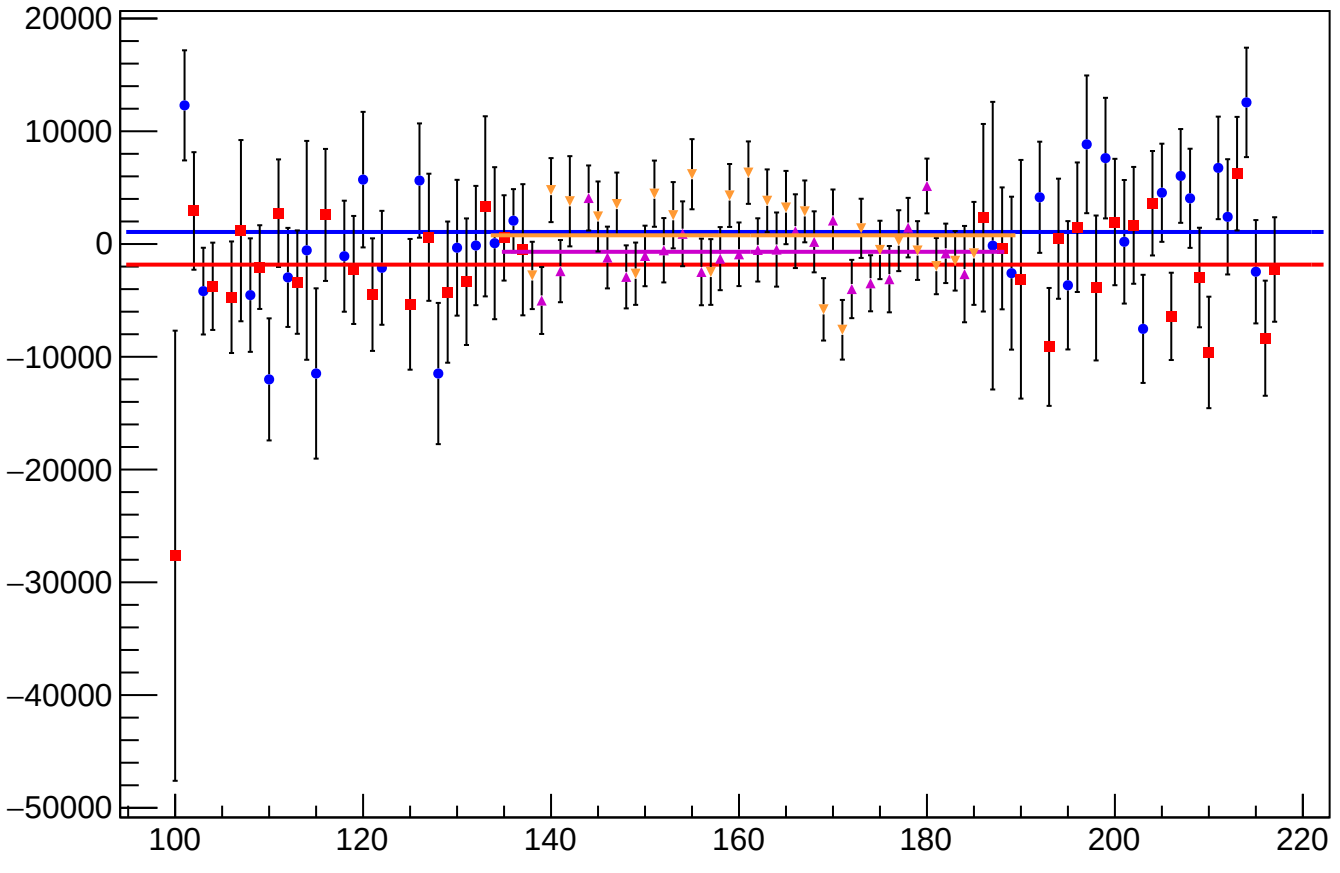
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2799.494+/-0.340 χ^2/NDF: 10662385.7/64

In: 1598.034+/-0.203 χ^2/NDF:12912837.6/53

Out: 1579.597+/-0.199 χ^2/NDF:14304663.3/57

All: 1588.645+/-0.142 χ^2/NDF: 27221703.6/



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: -1826.795+/-892.275 χ^2/NDF: 20.1/33

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

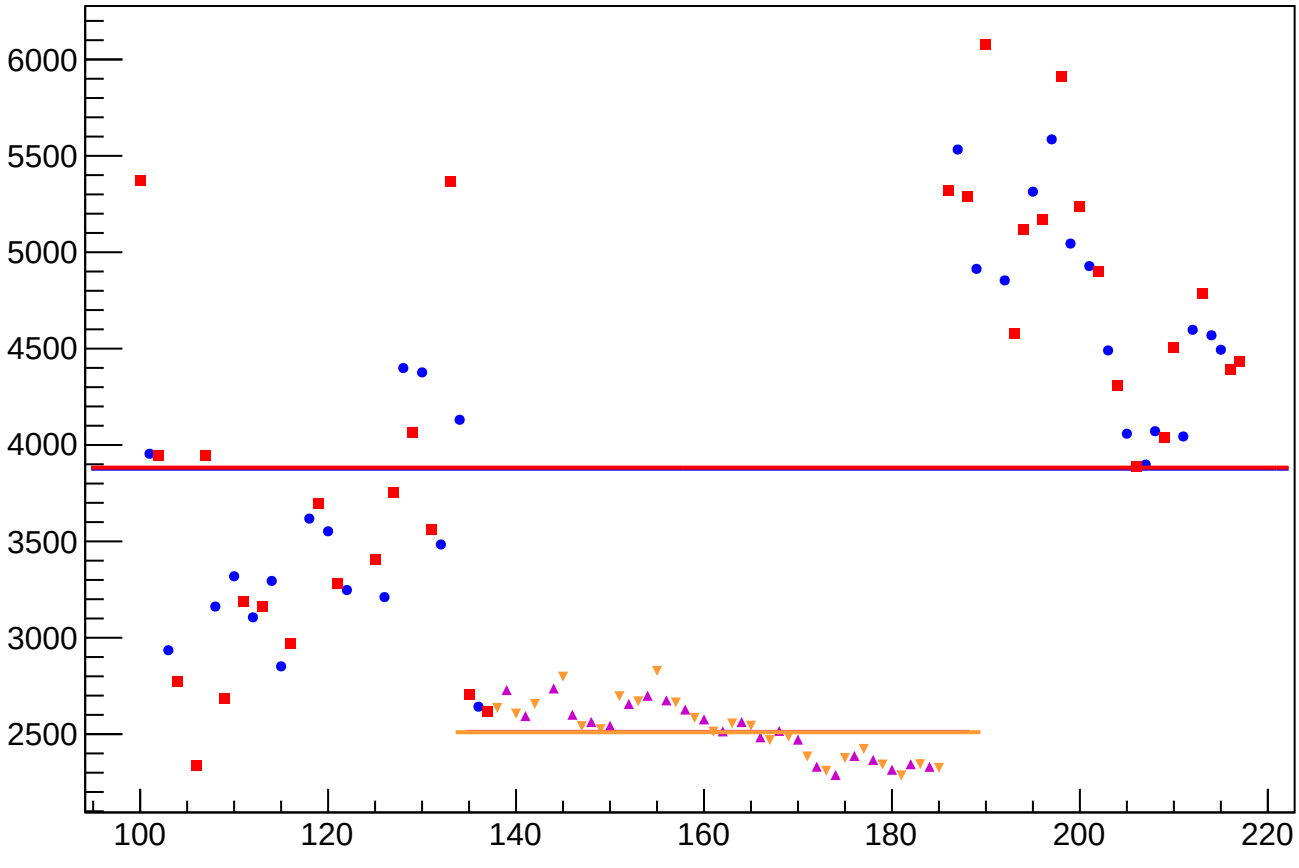
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -396.309+/-634.714 χ^2/NDF: 67.5/64

In: -166.998+/-492.418 χ^2/NDF:63.2/53

Out: -4.866+/-488.462 χ^2/NDF:65.4/57

All: -85.278+/-346.785 χ^2/NDF: 128.7/111



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: 3882.624+/-0.631 χ^2/NDF: 2213558.7/33

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

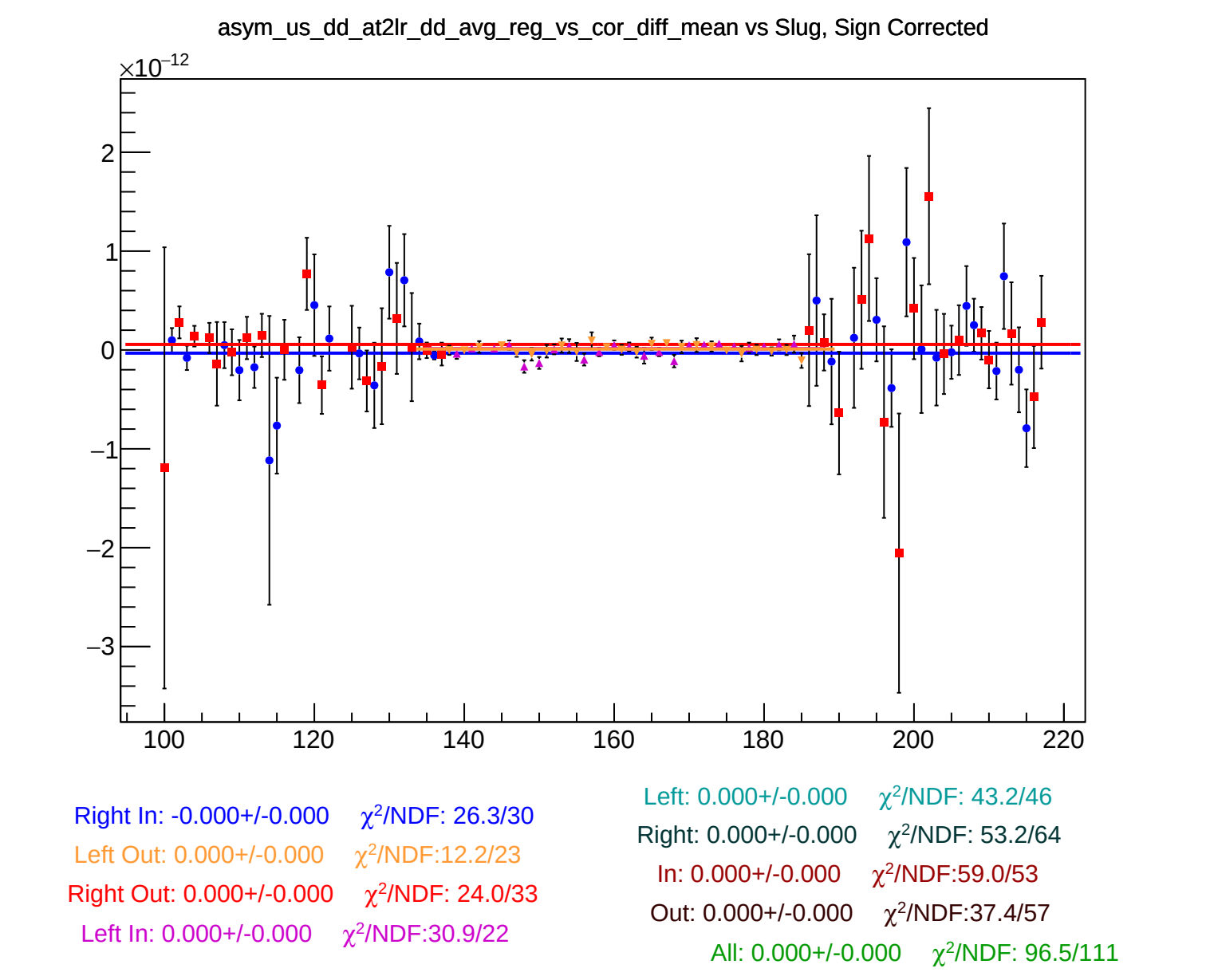
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

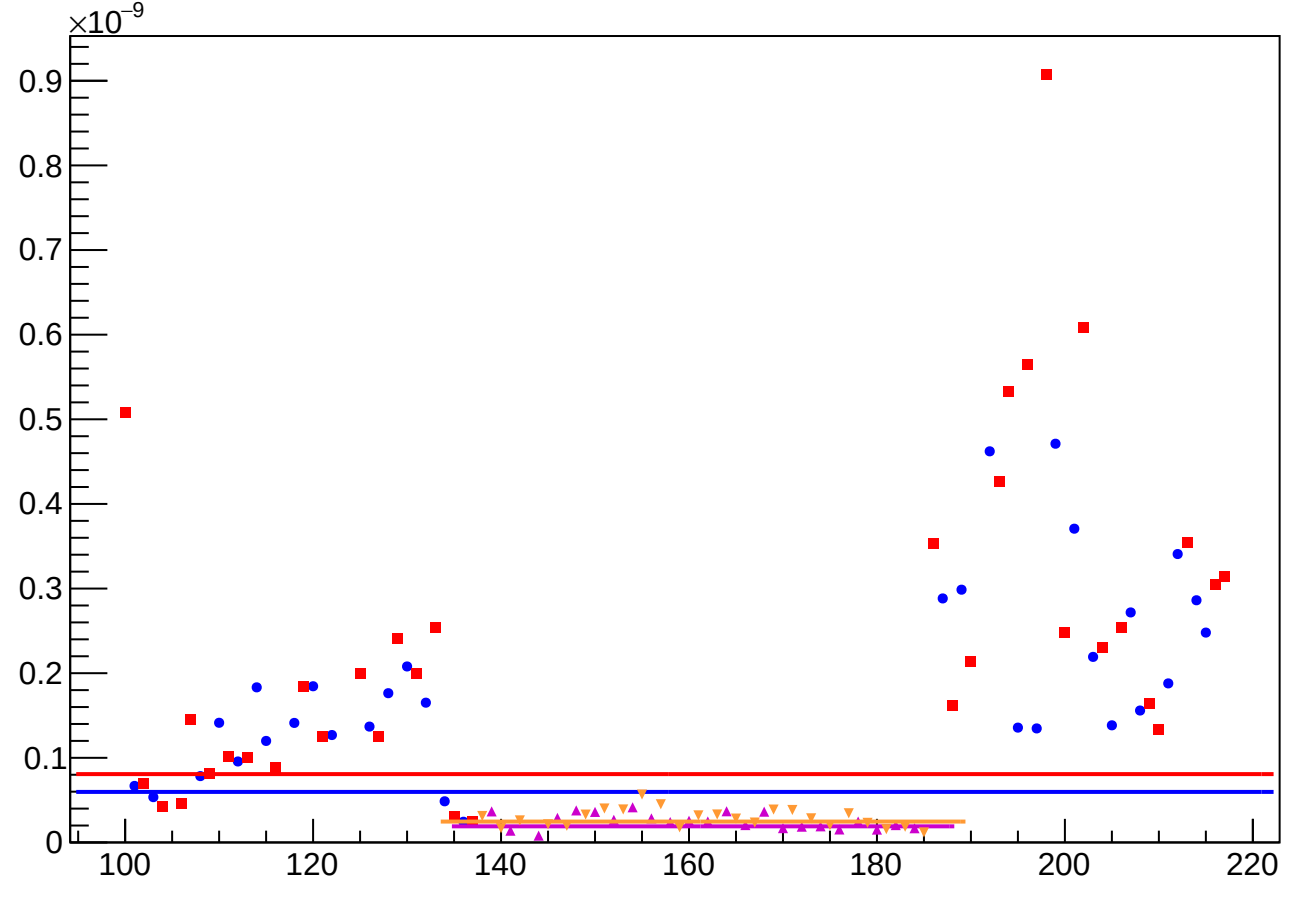
Right: 3879.887+/-0.449 χ^2/NDF: 3780319.6/64

In: 2917.601+/-0.348 χ^2/NDF:4893224.1/53

Out: 2921.407+/-0.345 χ^2/NDF:5656483.8/57

All: 2919.519+/-0.245 χ^2/NDF: 10549768.1/1


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: 24.0/33
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: 53.2/64
In: 0.000+/-0.000 χ²/NDF:59.0/53
Out: 0.000+/-0.000 χ²/NDF:37.4/57
All: 0.000+/-0.000 χ²/NDF: 96.5/111



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: 8787060.7/33

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

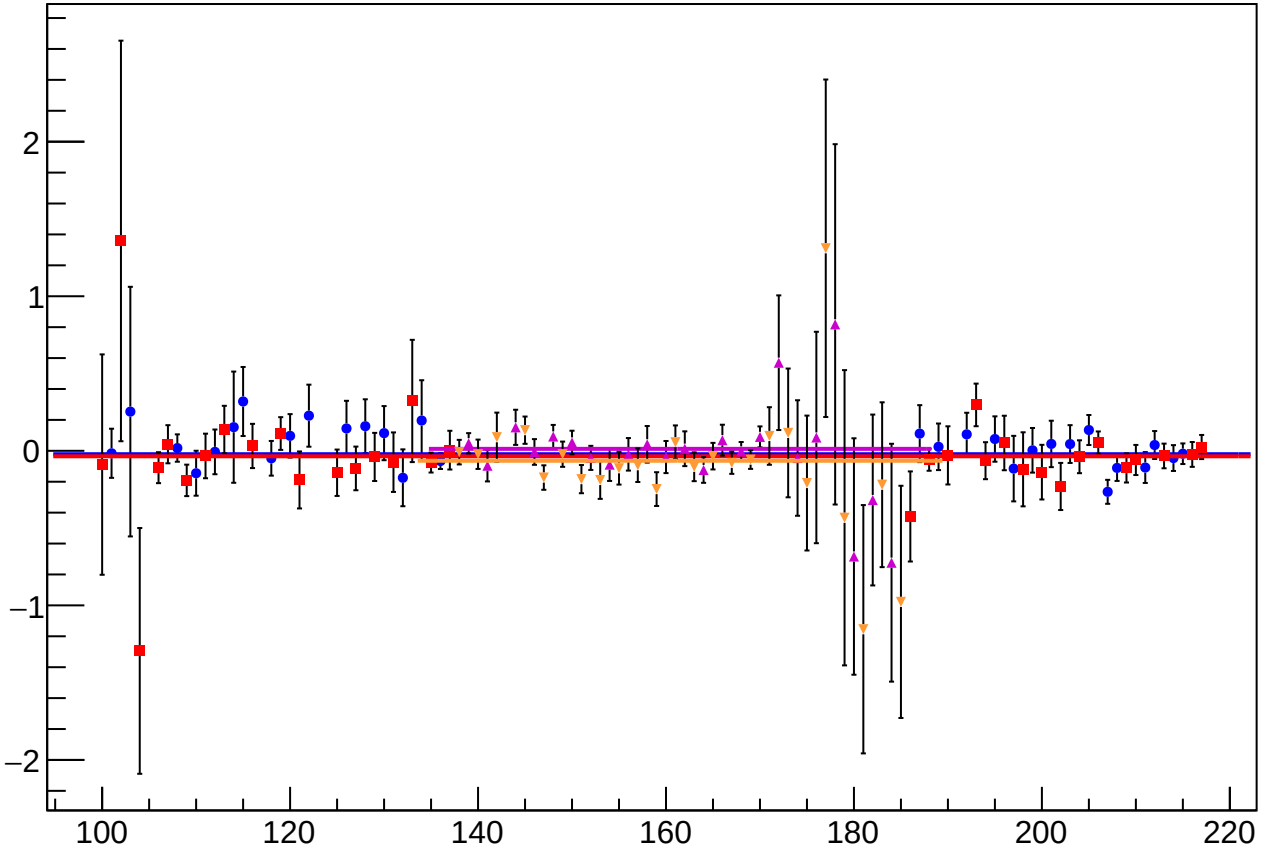
Right: 0.000+/-0.000 χ^2/NDF: 17213961.6/64

In: 0.000+/-0.000 χ^2/NDF:13187293.2/53

Out: 0.000+/-0.000 χ^2/NDF:13823735.2/57

All: 0.000+/-0.000 χ^2/NDF: 27496039.1/111

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: -0.035+/-0.020 χ^2/NDF: 26.1/33

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

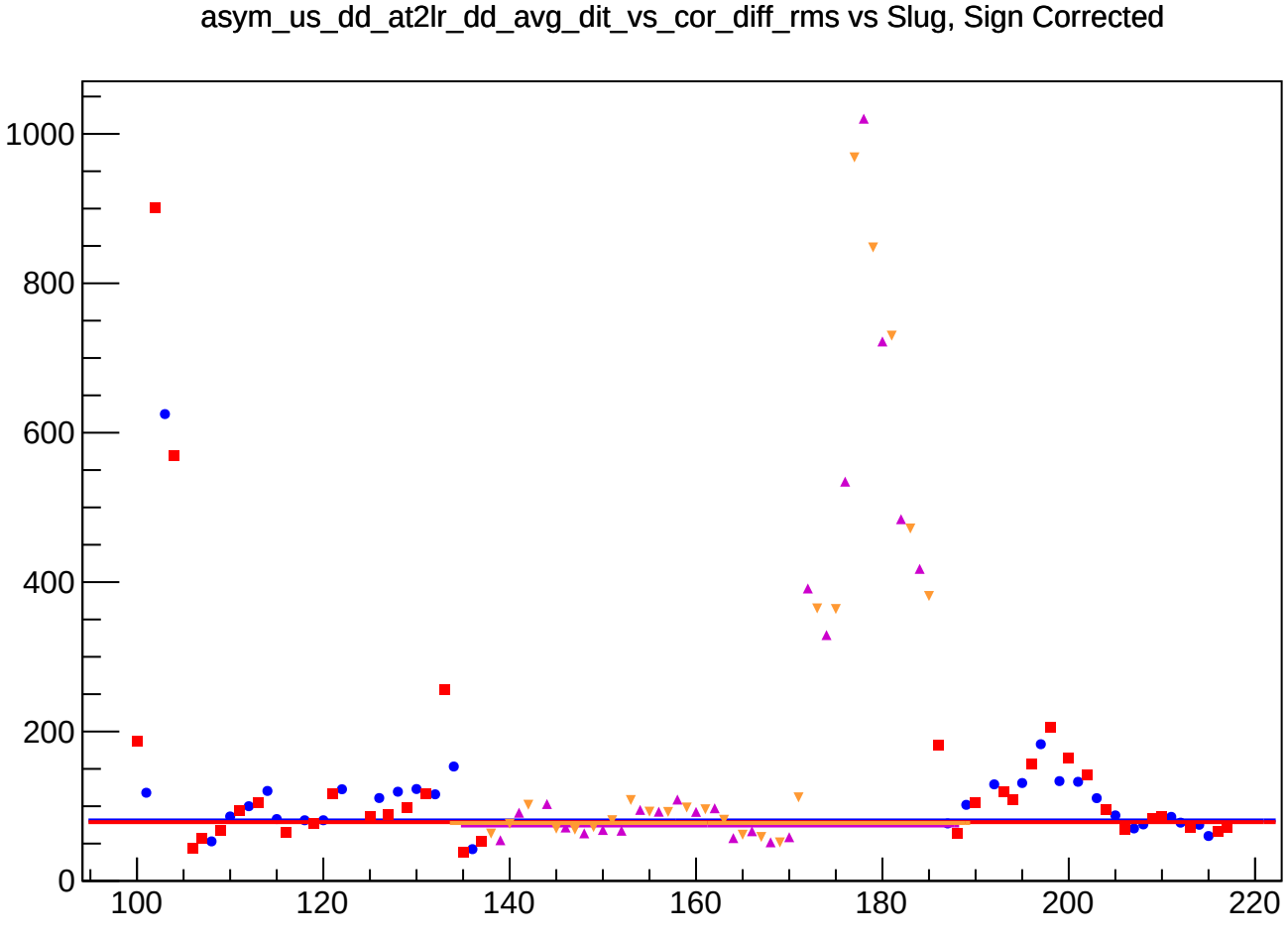
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.029+/-0.014 χ^2/NDF: 54.4/64

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.049+/-0.015 χ^2/NDF:49.4/57

All: -0.027+/-0.011 χ^2/NDF: 98.2/111



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: 78.715+/-0.014 χ^2/NDF: 6156469.0/33

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

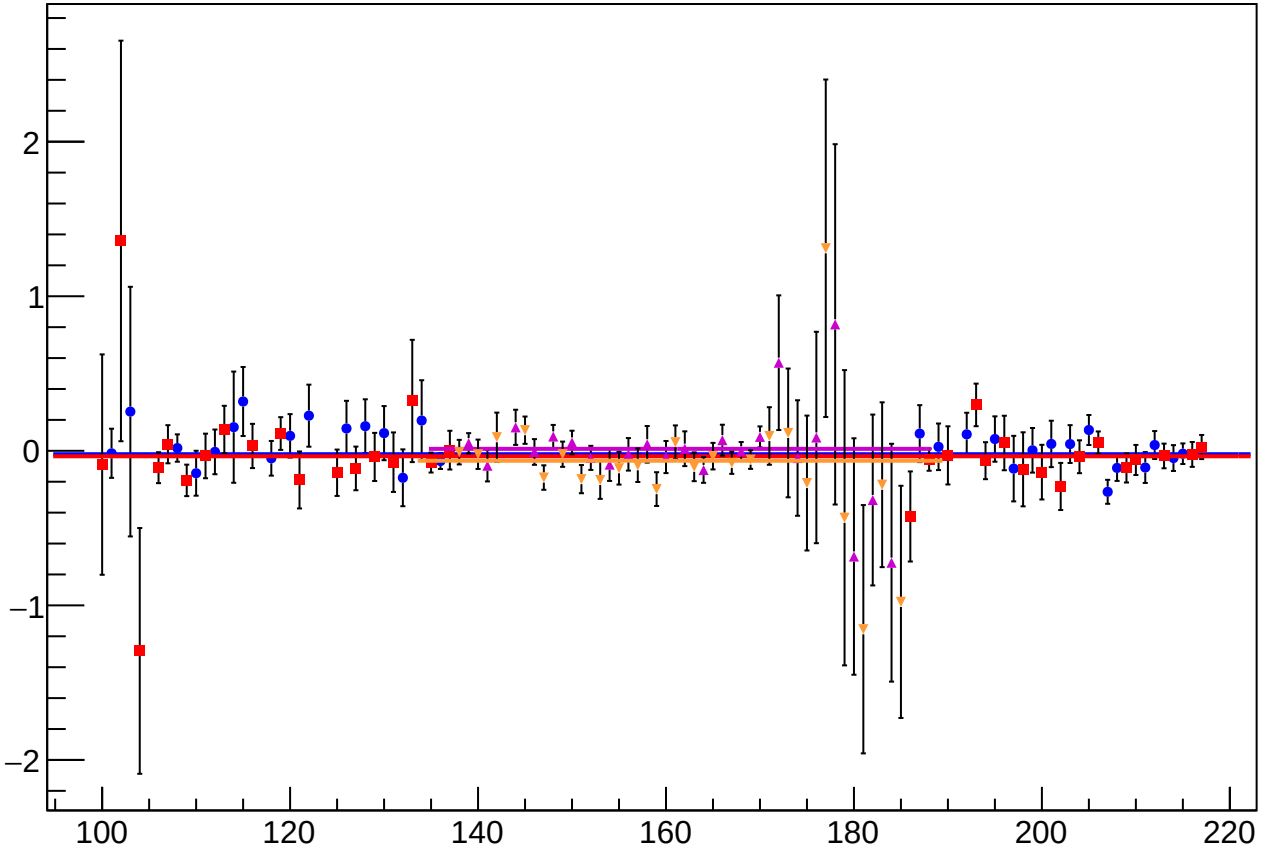
Right: 79.818+/-0.010 χ^2/NDF: 11003516.6/64

In: 77.659+/-0.010 χ^2/NDF:13453271.6/53

Out: 78.178+/-0.011 χ^2/NDF:14490783.4/57

All: 77.917+/-0.007 χ^2/NDF: 27945277.4/111

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: -0.035+/-0.020 χ^2/NDF: 26.1/33

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

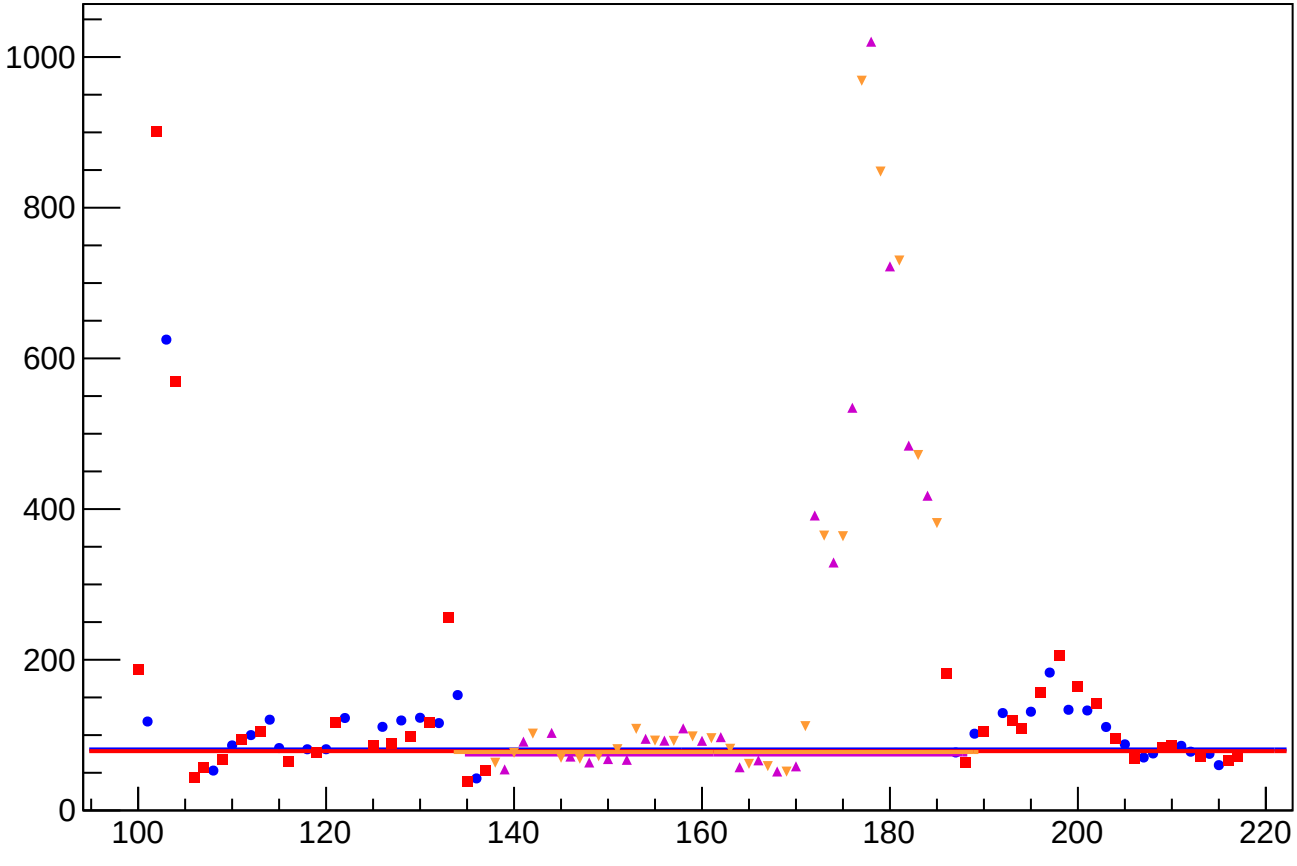
Right: -0.029+/-0.014 χ^2/NDF: 54.4/64

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.049+/-0.015 χ^2/NDF:49.4/57

All: -0.027+/-0.011 χ^2/NDF: 98.2/111

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: 78.715+/-0.014 χ^2/NDF: 6156469.0/33

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

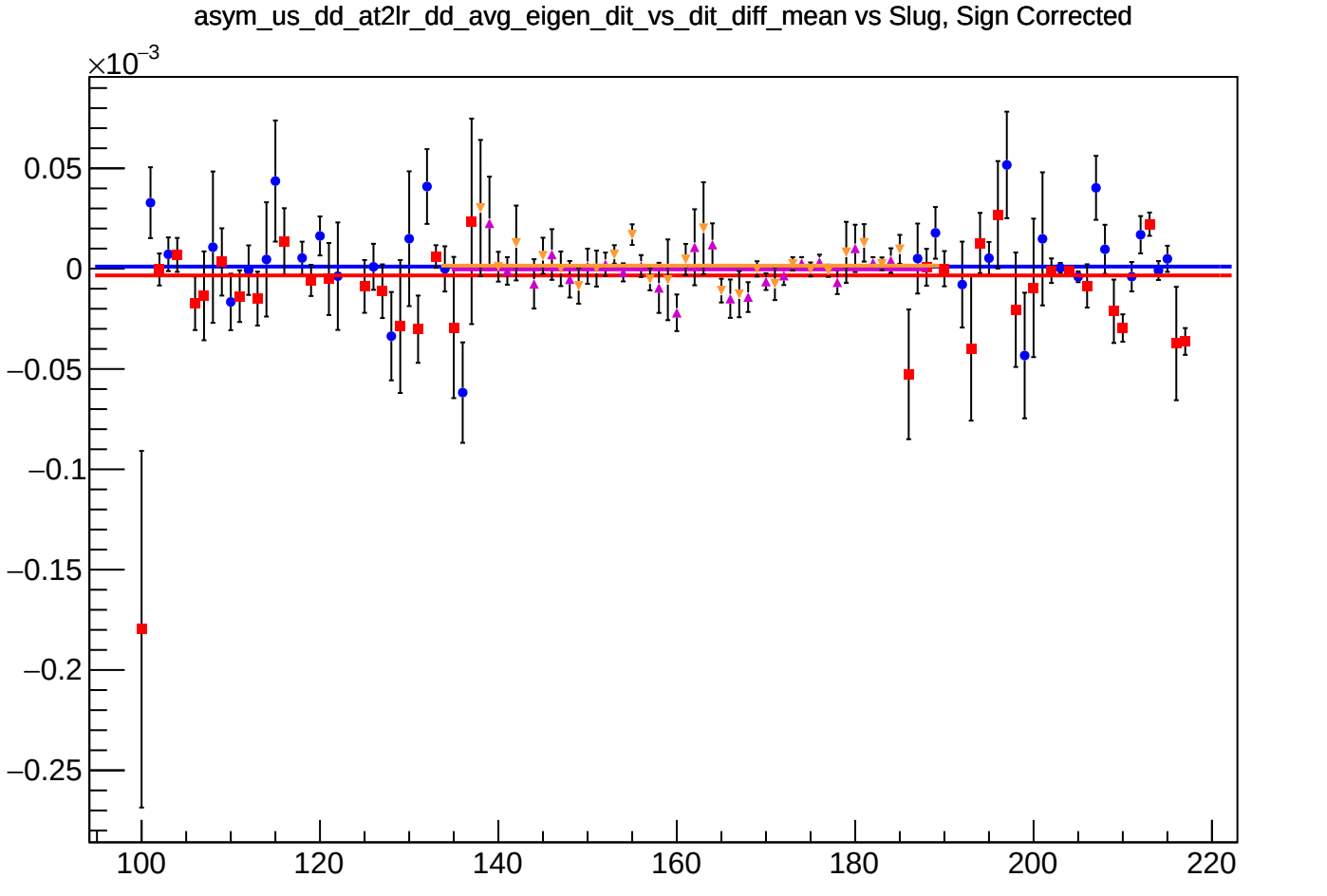
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 79.818+/-0.010 χ^2/NDF: 11003516.6/64

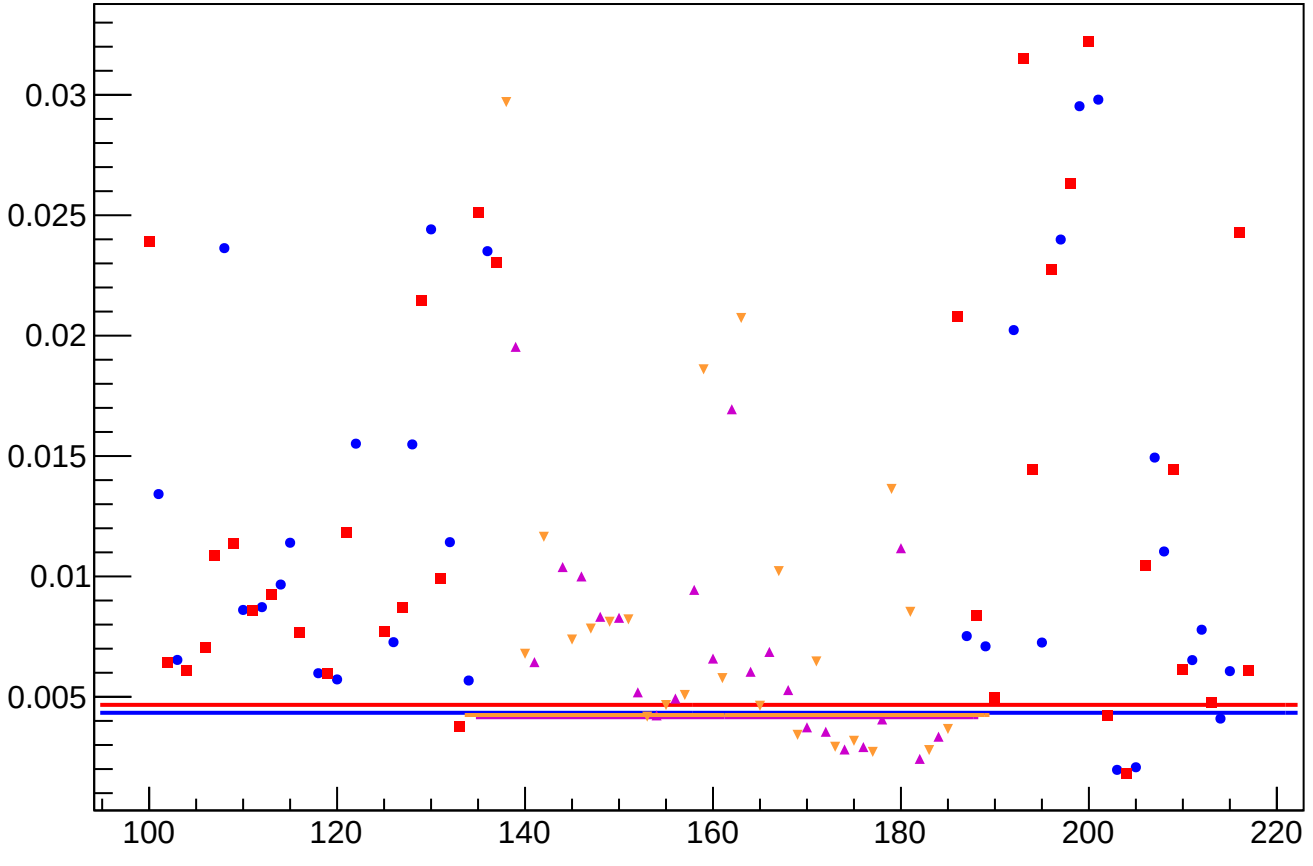
In: 77.659+/-0.010 χ^2/NDF:13453271.6/53

Out: 78.178+/-0.011 χ^2/NDF:14490783.4/57

All: 77.917+/-0.007 χ^2/NDF: 27945277.4/111


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 46.0/30
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 85.8/33
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 52.9/46
Right: -0.000+/-0.000 χ²/NDF: 136.8/64
In: 0.000+/-0.000 χ²/NDF:71.1/53
Out: -0.000+/-0.000 χ²/NDF:120.0/57
All: -0.000+/-0.000 χ²/NDF: 191.5/111

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: 15933422.7/33

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

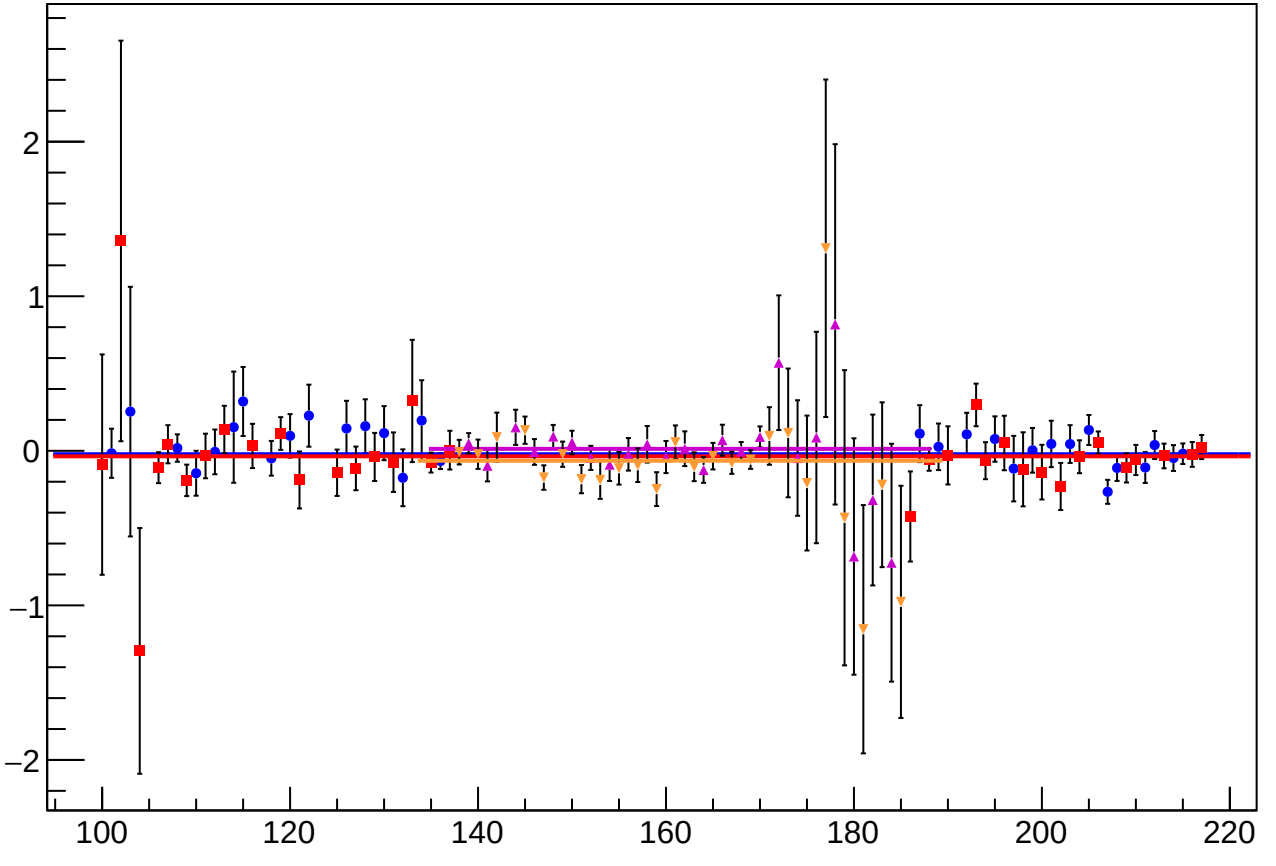
Right: 0.004+/-0.000 χ^2/NDF: 31538504.7/64

In: 0.004+/-0.000 χ^2/NDF:22456676.3/53

Out: 0.004+/-0.000 χ^2/NDF:24690584.6/57

All: 0.004+/-0.000 χ^2/NDF: 47188512.8/111

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: -0.036+/-0.020 χ^2/NDF: 26.1/33

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

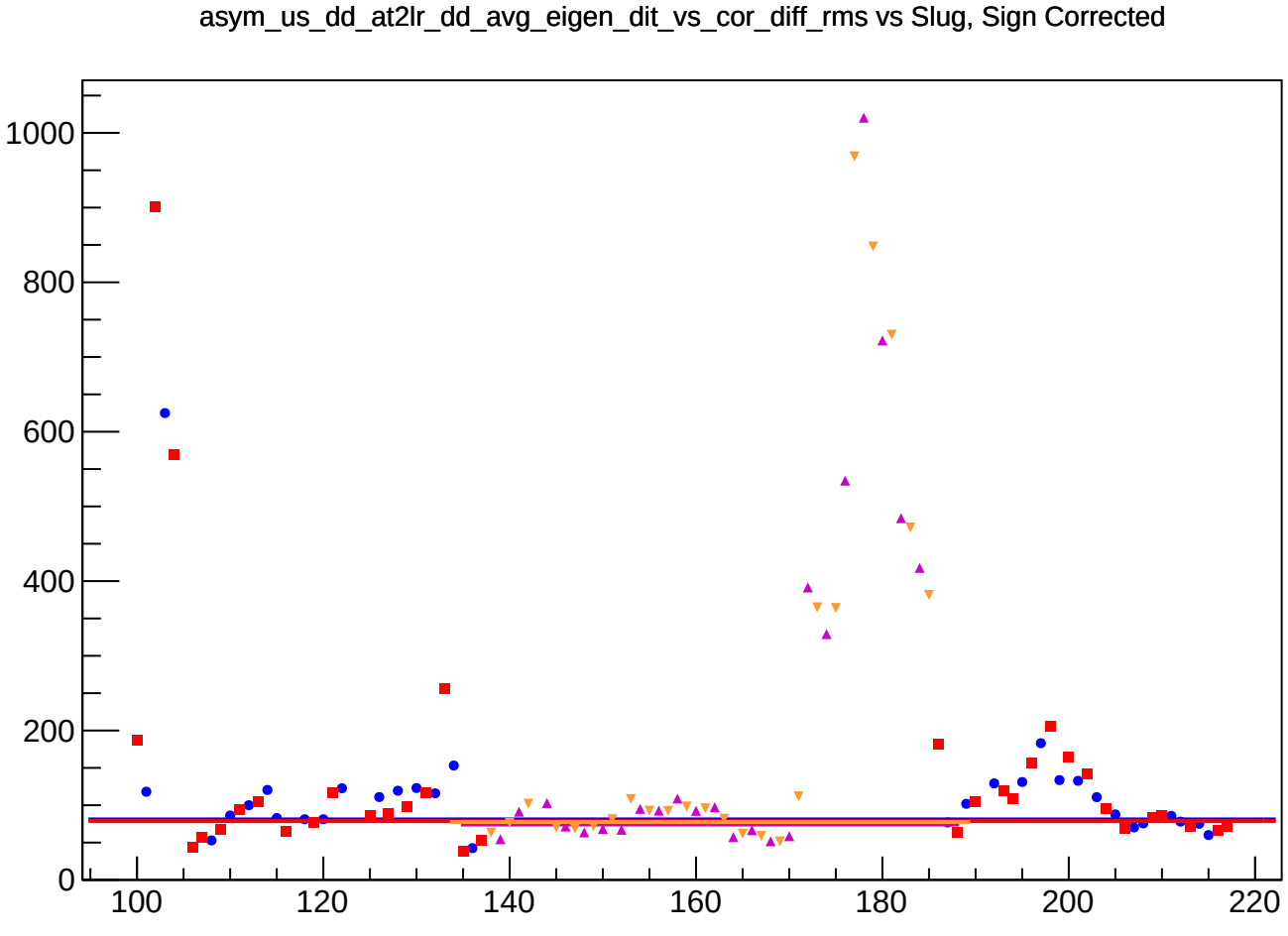
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.029+/-0.014 χ^2/NDF: 54.4/64

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.049+/-0.015 χ^2/NDF:49.4/57

All: -0.027+/-0.011 χ^2/NDF: 98.2/111



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: 78.711+/-0.014 χ^2/NDF: 6157919.1/33

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

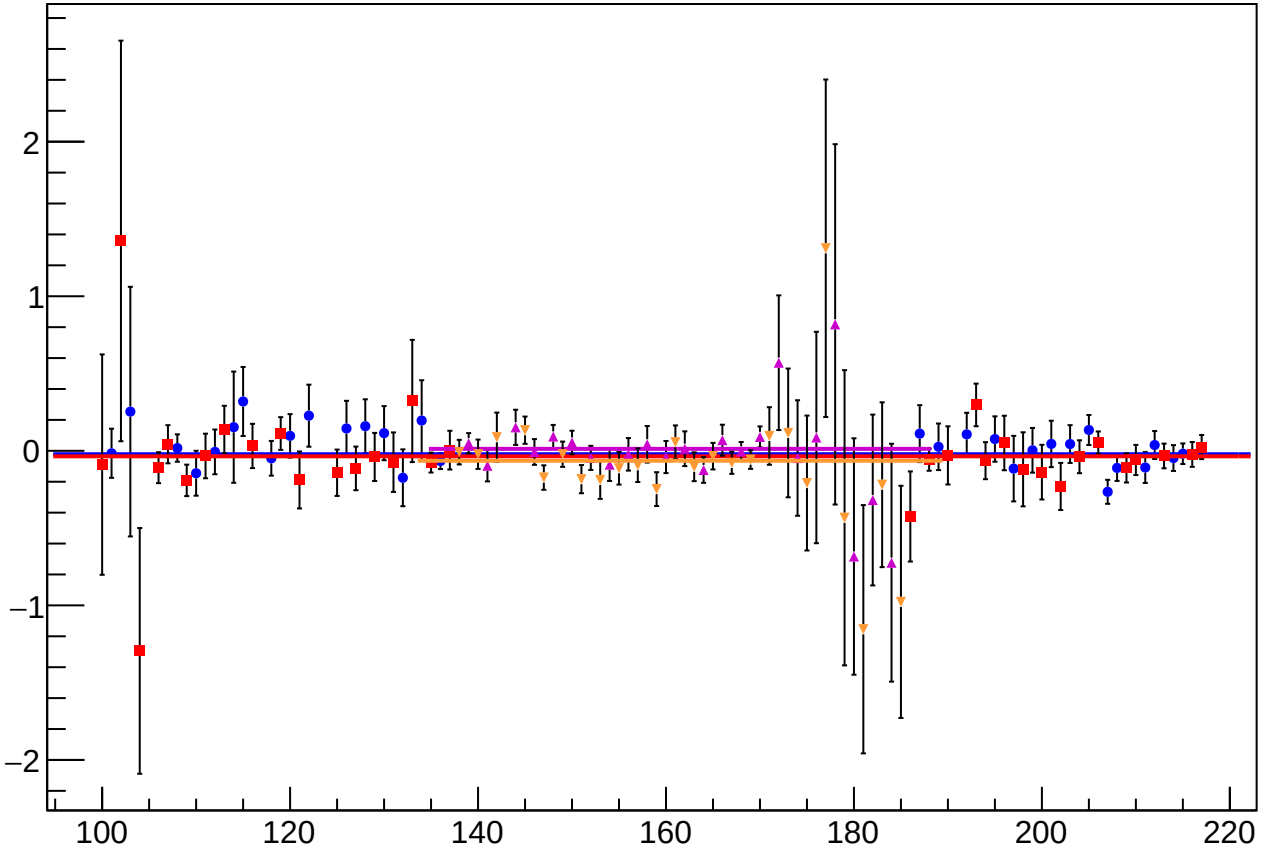
Right: 79.820+/-0.010 χ^2/NDF: 11002156.0/64

In: 77.665+/-0.010 χ^2/NDF:13450292.4/53

Out: 78.175+/-0.011 χ^2/NDF:14492124.0/57

All: 77.918+/-0.007 χ^2/NDF: 27943599.0/111

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: -0.036+/-0.020 χ^2/NDF: 26.1/33

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

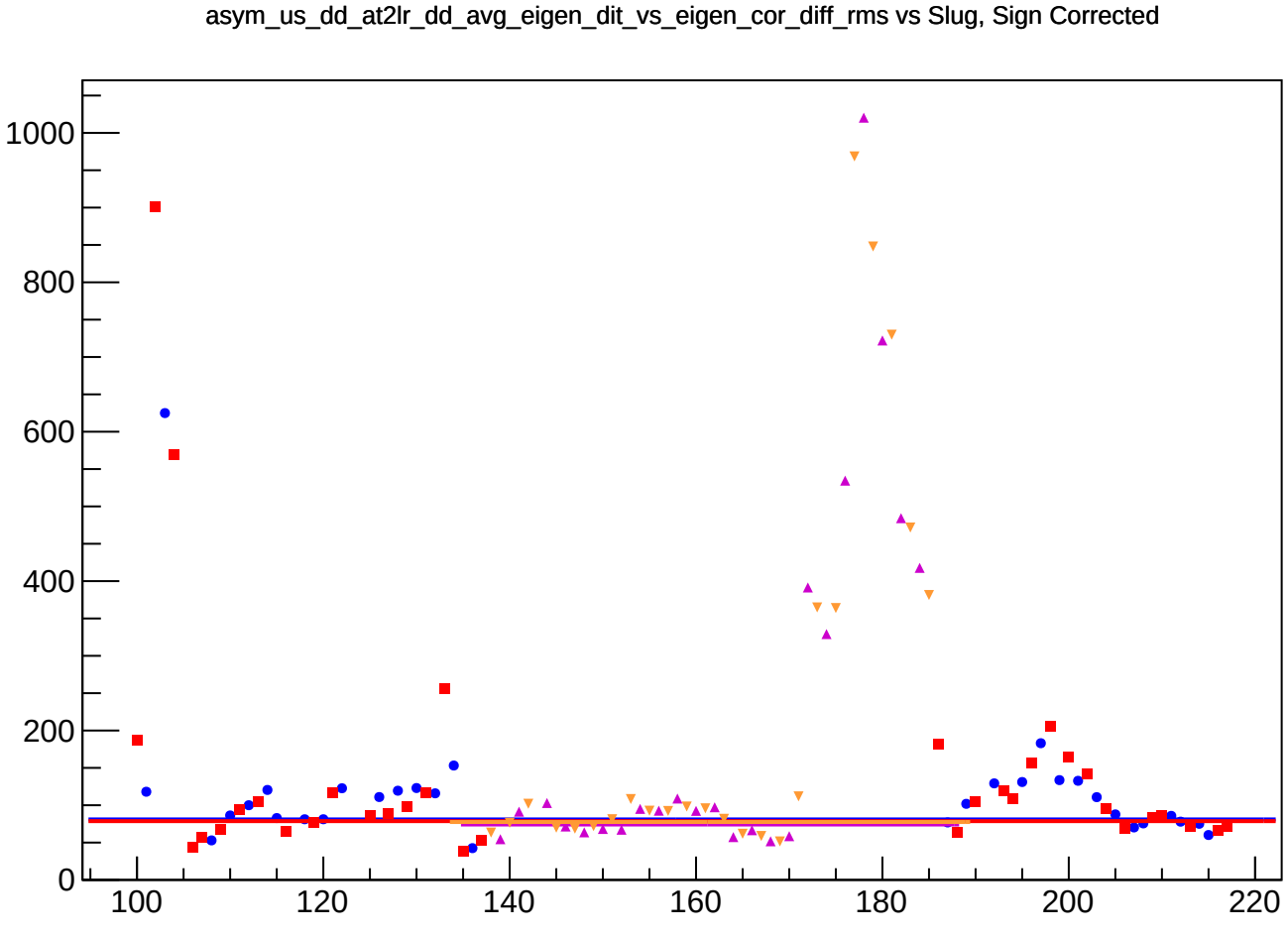
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.029+/-0.014 χ^2/NDF: 54.4/64

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.049+/-0.015 χ^2/NDF:49.4/57

All: -0.027+/-0.011 χ^2/NDF: 98.2/111



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: 78.711+/-0.014 χ^2/NDF: 6157919.1/33

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

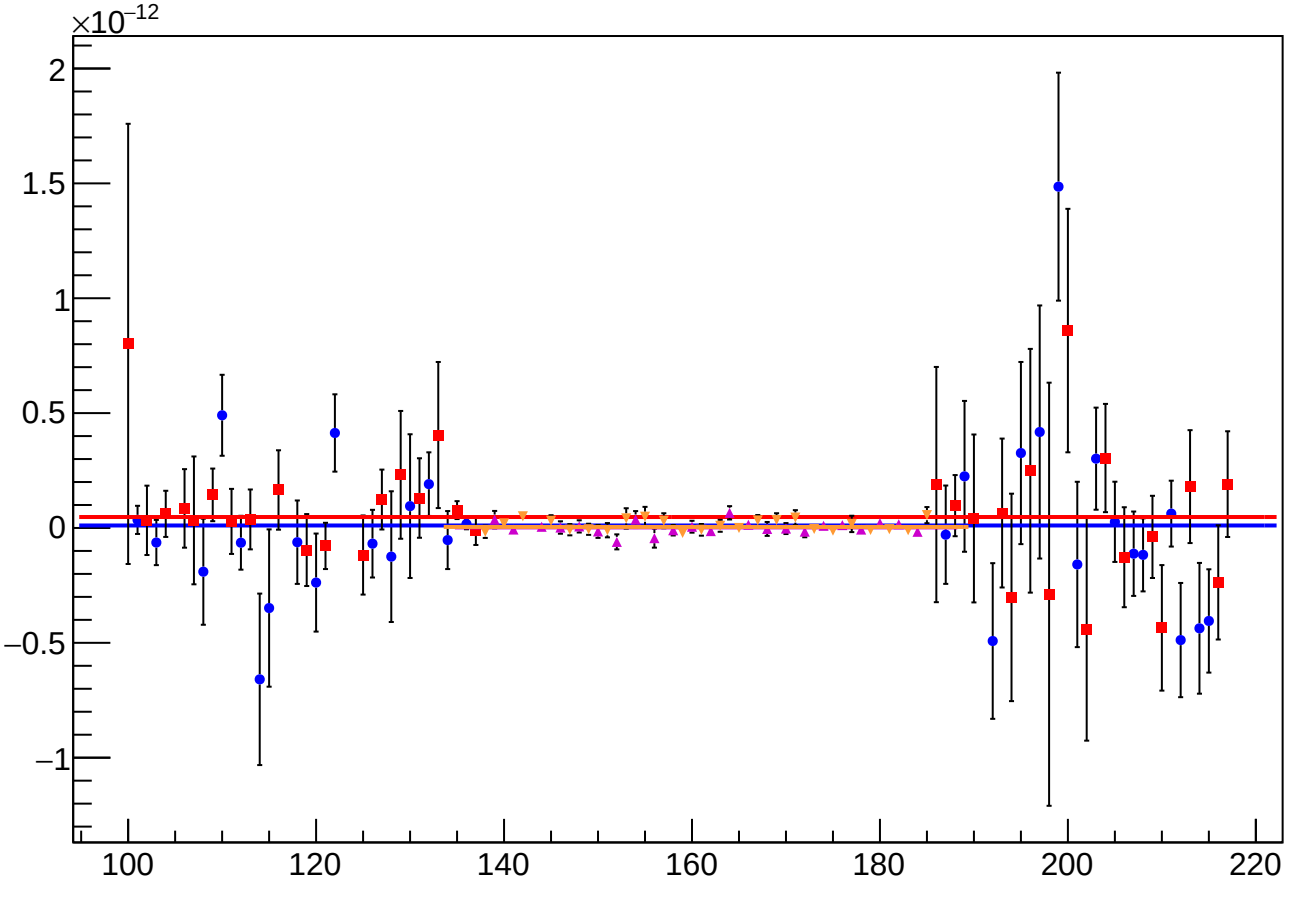
Right: 79.820+/-0.010 χ^2/NDF: 11002156.0/64

In: 77.665+/-0.010 χ^2/NDF:13450292.4/53

Out: 78.175+/-0.011 χ^2/NDF:14492124.0/57

All: 77.918+/-0.007 χ^2/NDF: 27943599.0/111

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: 20.7/33

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

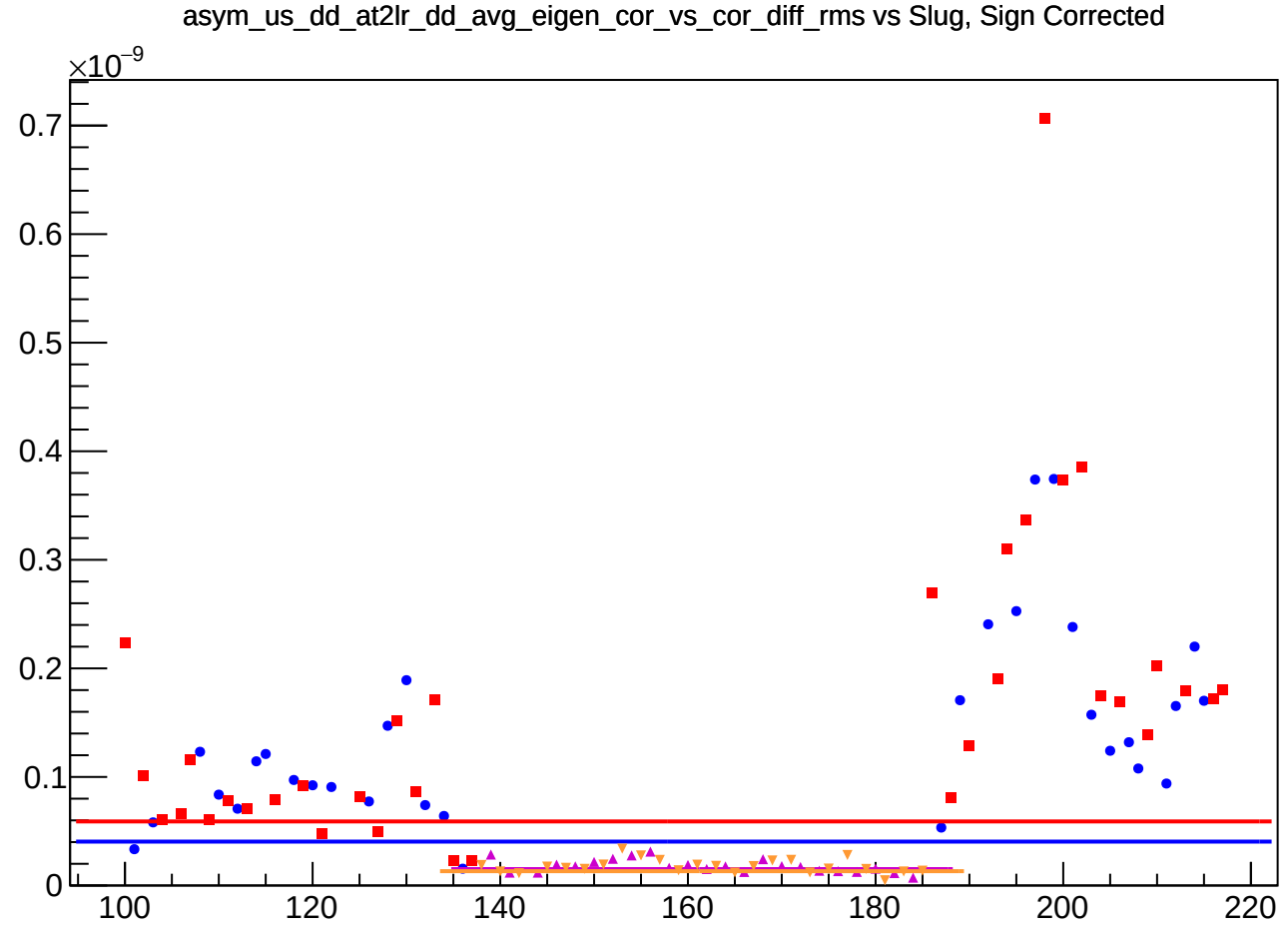
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

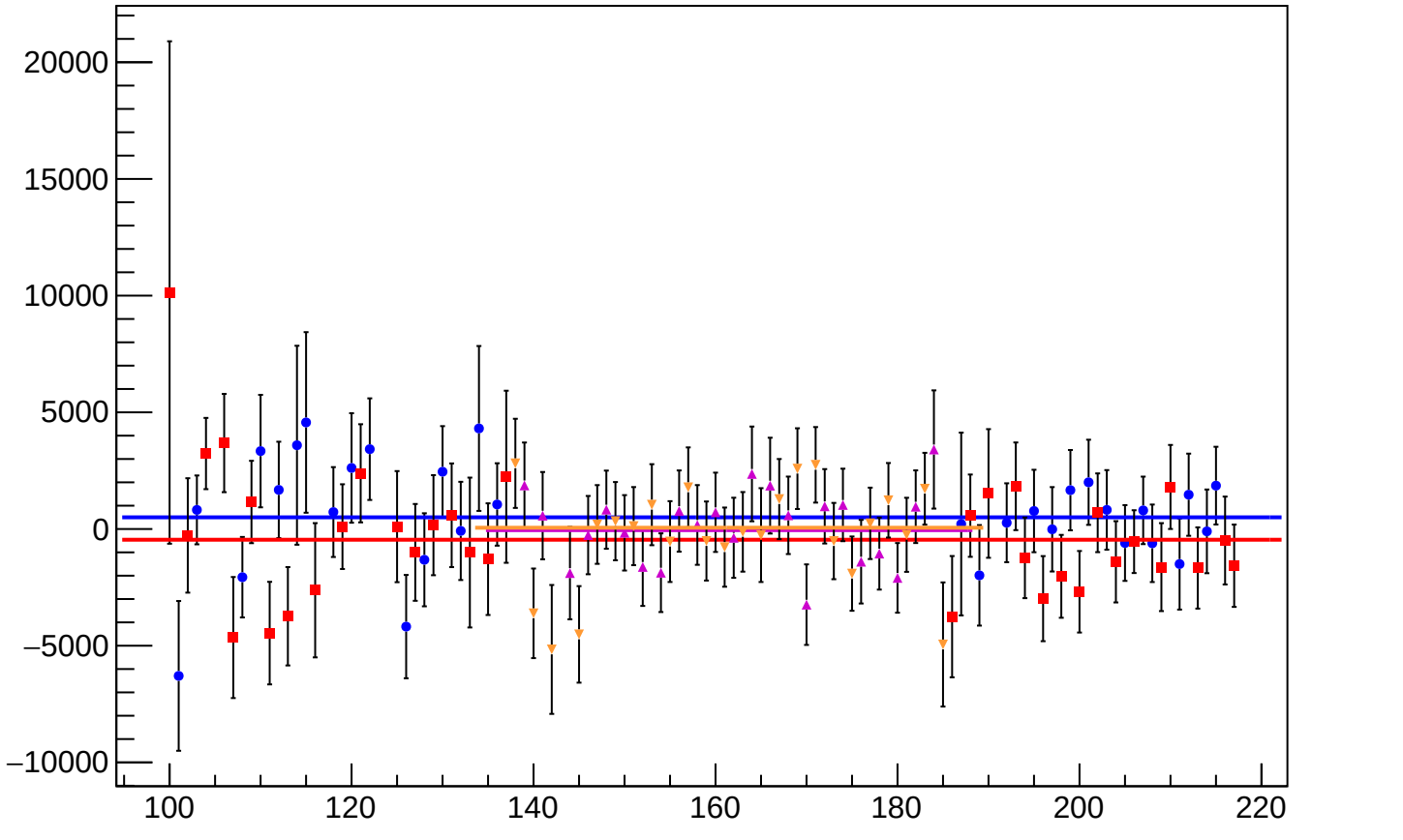
Right: 0.000+/-0.000 χ^2/NDF: 71.5/64

In: 0.000+/-0.000 χ^2/NDF:66.9/53

Out: 0.000+/-0.000 χ^2/NDF:45.7/57

All: 0.000+/-0.000 χ^2/NDF: 112.9/111


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: 11447966.8/33
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: 24868795.8/64
In: 0.000+/-0.000 χ²/NDF:18344811.2/53
Out: 0.000+/-0.000 χ²/NDF:23215127.6/57
All: 0.000+/-0.000 χ²/NDF: 41746880.2/111



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: -459.435+/-343.391 χ^2/NDF: 35.6/33

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

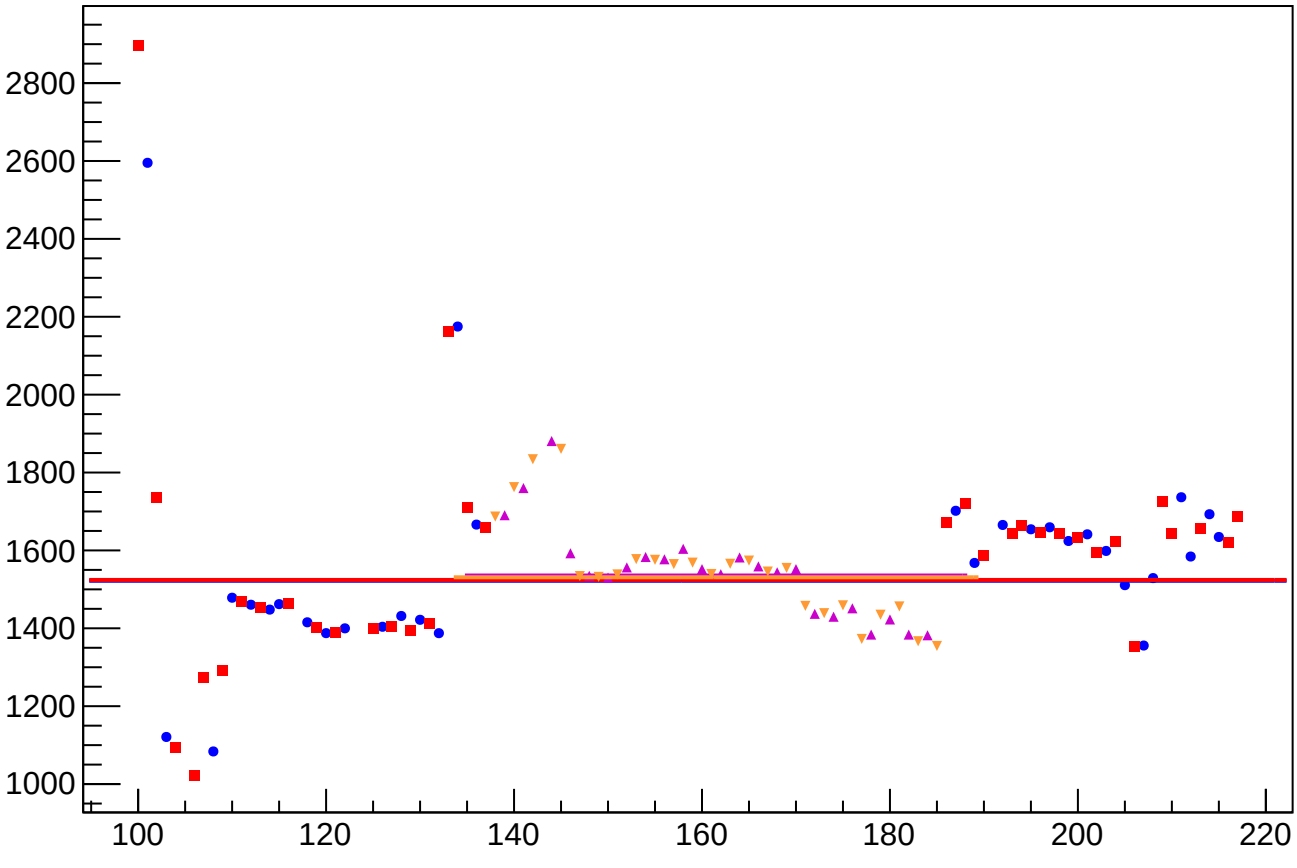
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 11.048+/-245.246 χ^2/NDF: 65.5/64

In: 233.423+/-250.927 χ^2/NDF:44.0/53

Out: -211.870+/-247.277 χ^2/NDF:65.1/57

All: 7.514+/-176.128 χ^2/NDF: 110.8/111



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: 1524.191+/-0.243 χ^2/NDF: 701038.0/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

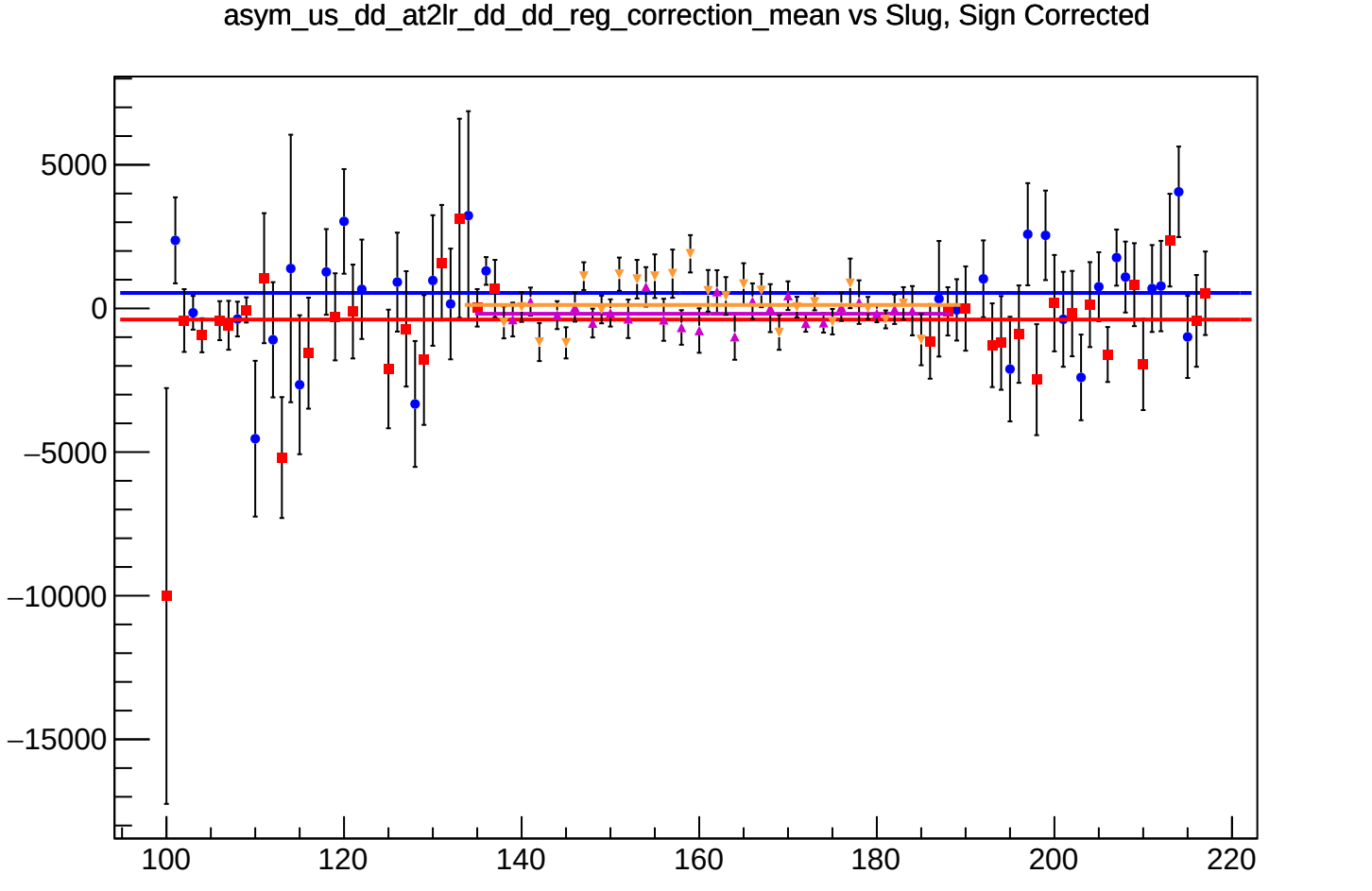
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1523.169+/-0.173 χ^2/NDF: 1471710.4/64

In: 1528.654+/-0.177 χ^2/NDF:964503.8/53

Out: 1527.458+/-0.175 χ^2/NDF:904953.6/57

All: 1528.047+/-0.125 χ^2/NDF: 1869480.5/11



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: -386.413+/-193.458 χ^2/NDF: 23.2/33

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

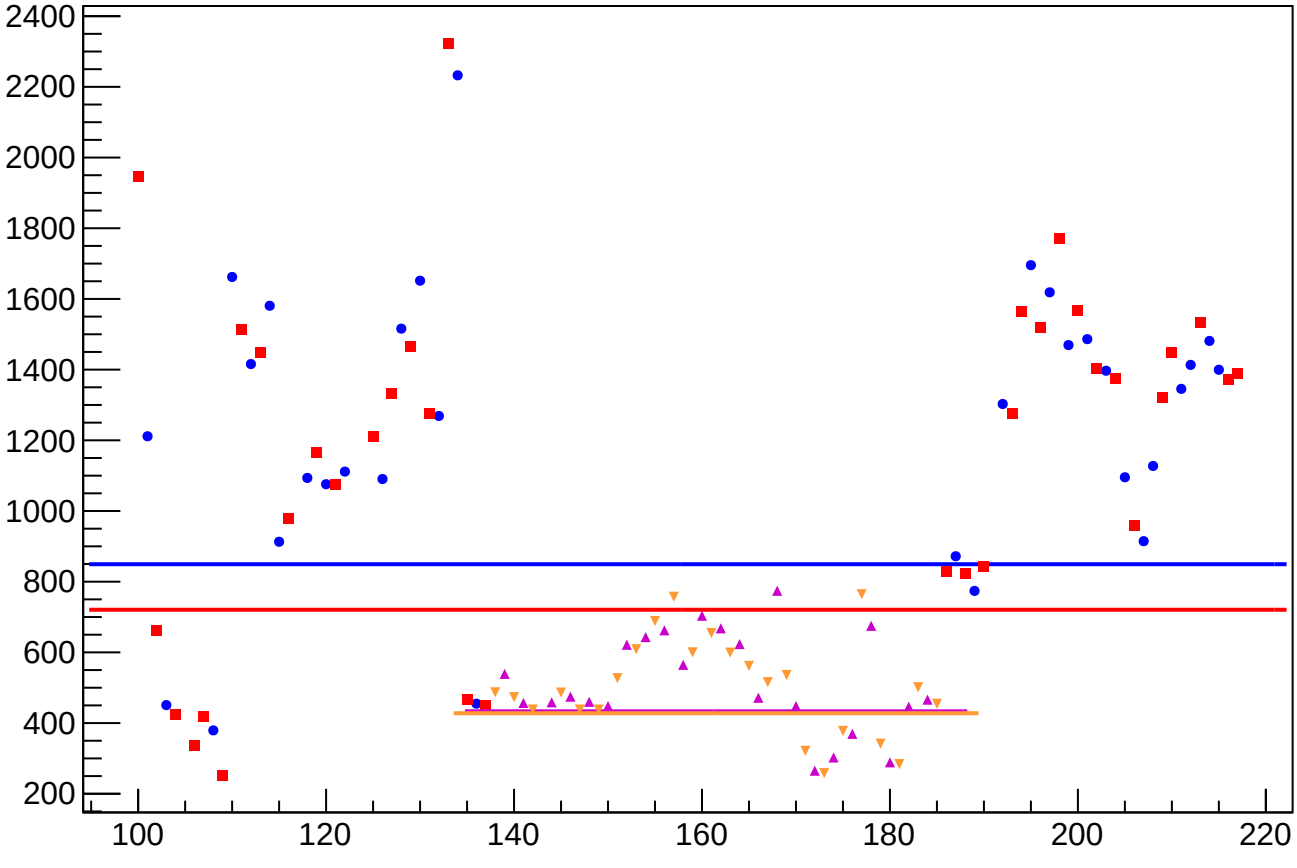
Right: 18.912+/-145.076 χ^2/NDF: 70.5/64

In: -47.168+/-96.146 χ^2/NDF:57.7/53

Out: 5.689+/-92.324 χ^2/NDF:72.2/57

All: -19.668+/-66.593 χ^2/NDF: 130.0/111

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: 720.635+/-0.137 χ^2/NDF: 11481056.2/33

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

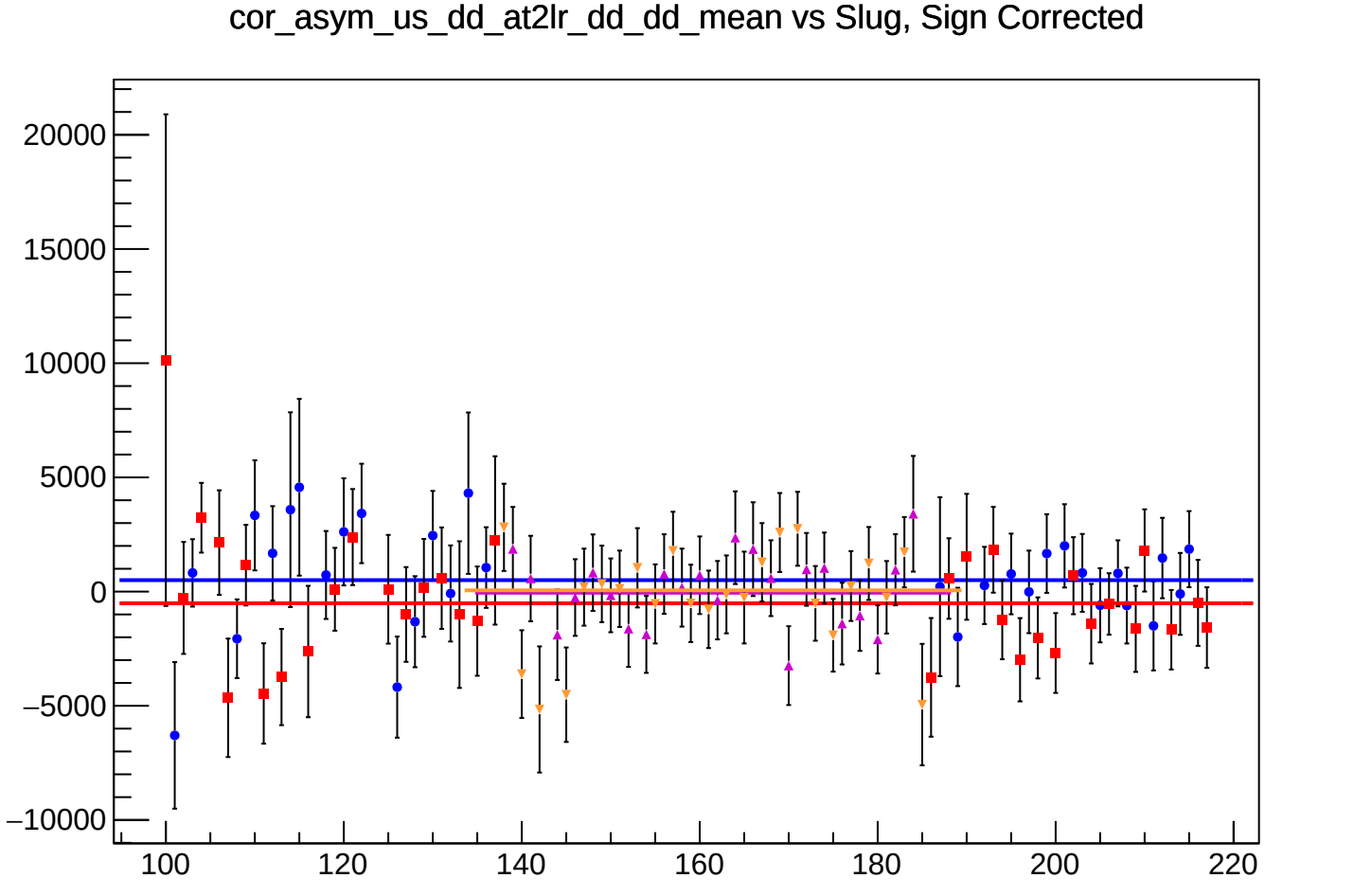
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

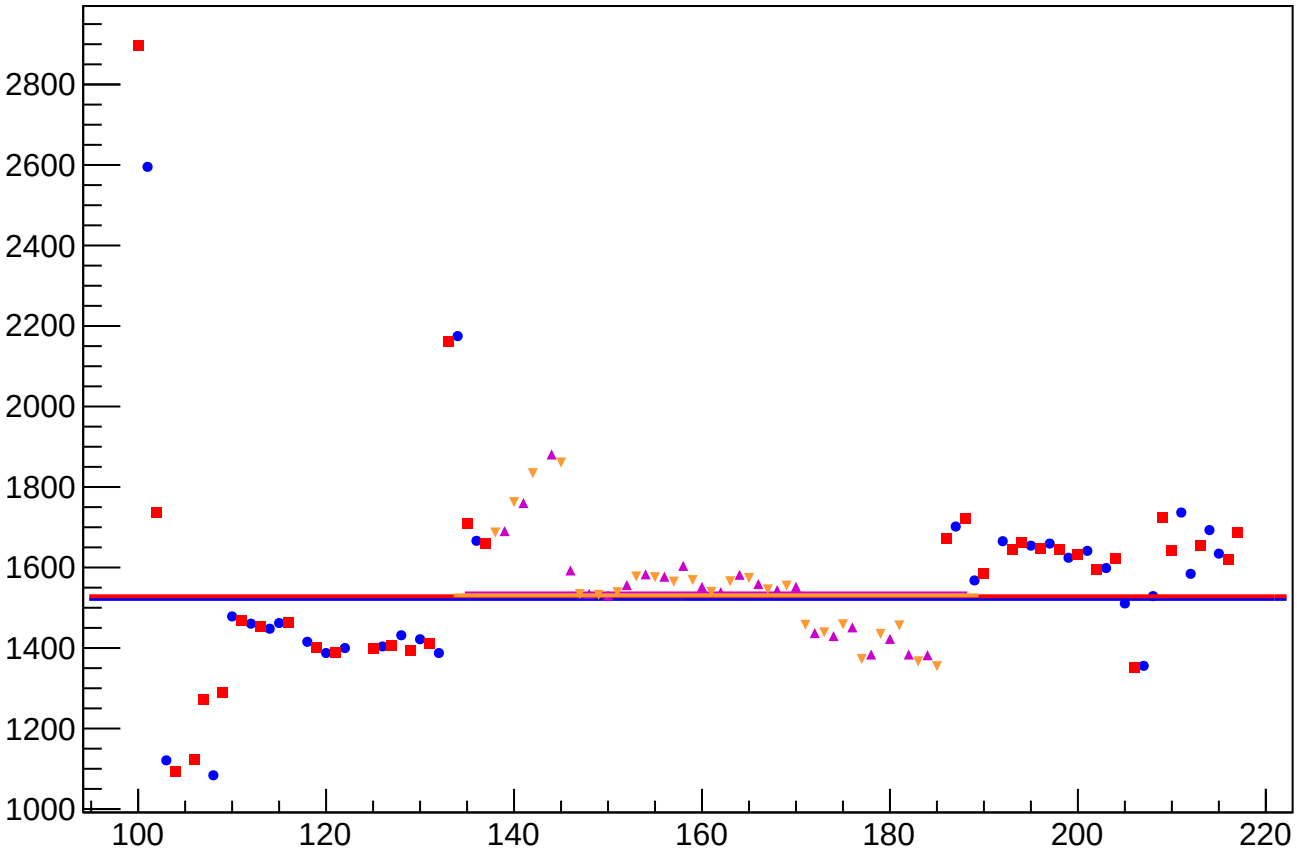
Right: 777.003+/-0.103 χ^2/NDF: 20040746.9/64

In: 513.274+/-0.068 χ^2/NDF:17237421.8/53

Out: 494.504+/-0.065 χ^2/NDF:18207703.9/57

All: 503.508+/-0.047 χ^2/NDF: 35484781.0/1


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 500.893+/-350.376 χ²/NDF: 26.1/30
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -511.389+/-344.100 χ²/NDF: 33.0/33
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: -14.395+/-245.504 χ²/NDF: 63.3/64
In: 233.399+/-250.927 χ²/NDF:44.0/53
Out: -238.245+/-247.541 χ²/NDF:62.8/57
All: -5.626+/-176.223 χ²/NDF: 108.6/111



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: 1528.503+/-0.243 χ^2/NDF: 648991.4/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

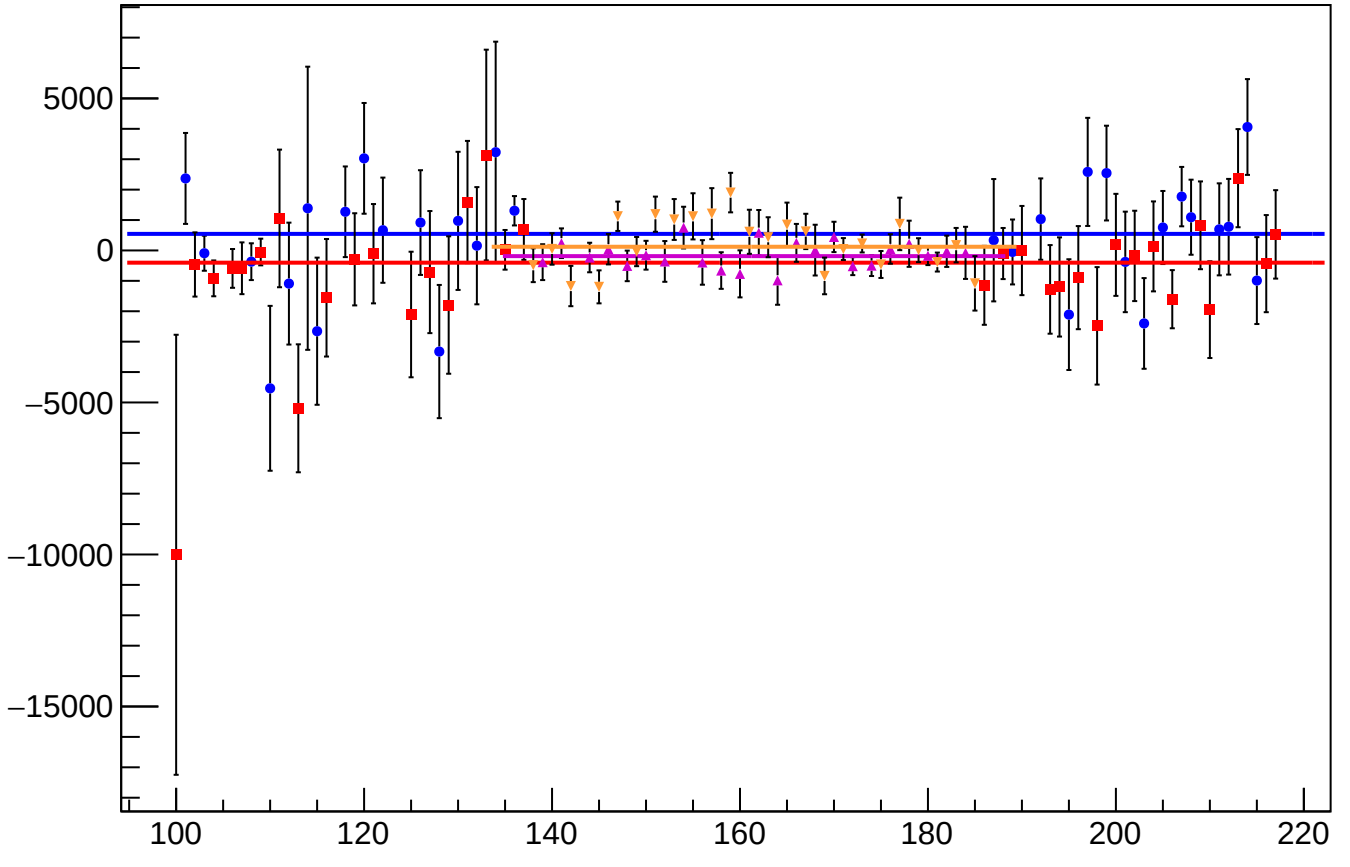
Right: 1525.361+/-0.174 χ^2/NDF: 1419967.5/64

In: 1528.654+/-0.177 χ^2/NDF:964504.2/53

Out: 1529.696+/-0.175 χ^2/NDF:852581.0/57

All: 1529.182+/-0.125 χ^2/NDF: 1817102.7/11

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



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: -402.387+/-192.096 χ^2/NDF: 23.3/33

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

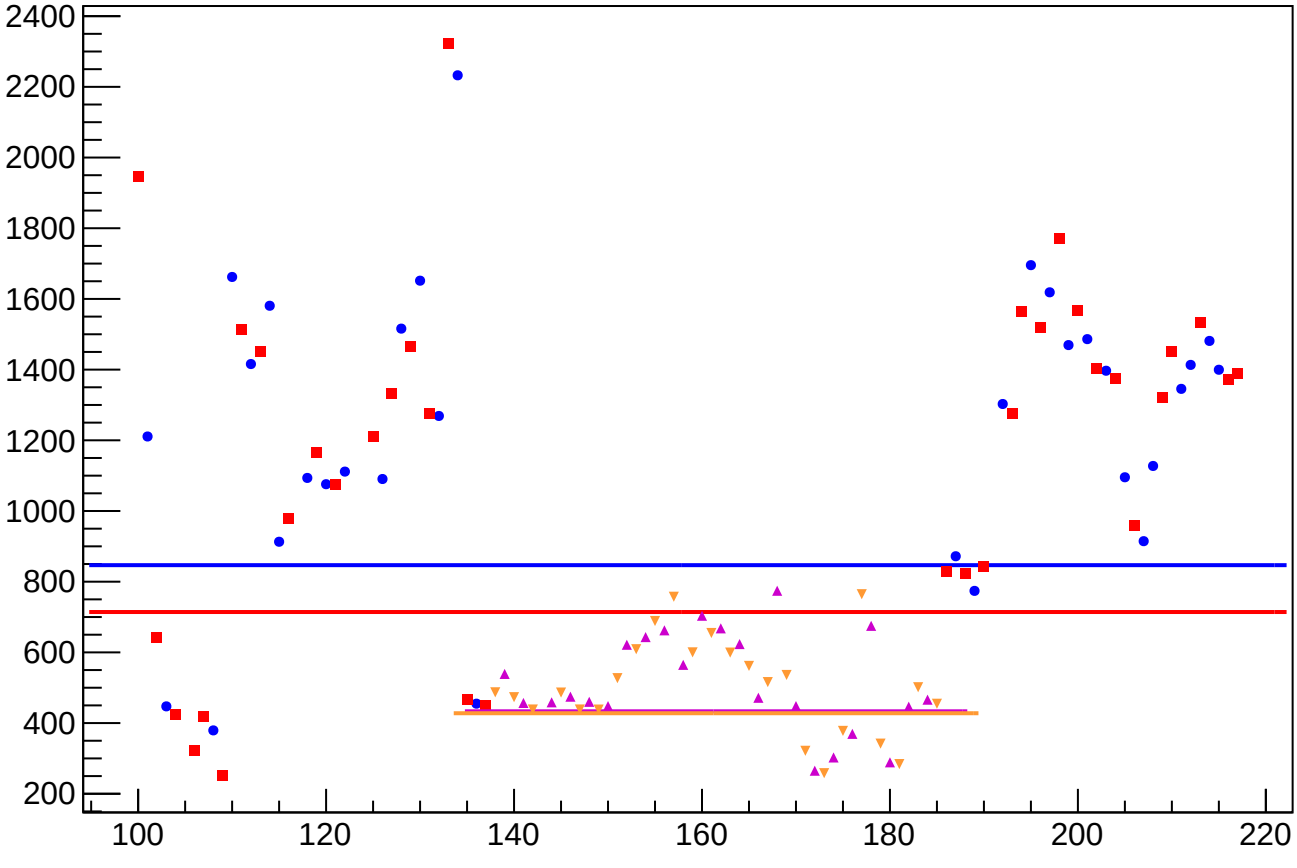
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: 10.057+/-144.328 χ^2/NDF: 70.9/64

In: -45.772+/-96.096 χ^2/NDF:57.7/53

Out: 0.742+/-92.175 χ^2/NDF:72.7/57

All: -21.547+/-66.521 χ^2/NDF: 130.5/111



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: 714.197+/-0.136 χ^2/NDF: 11624956.3/33

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

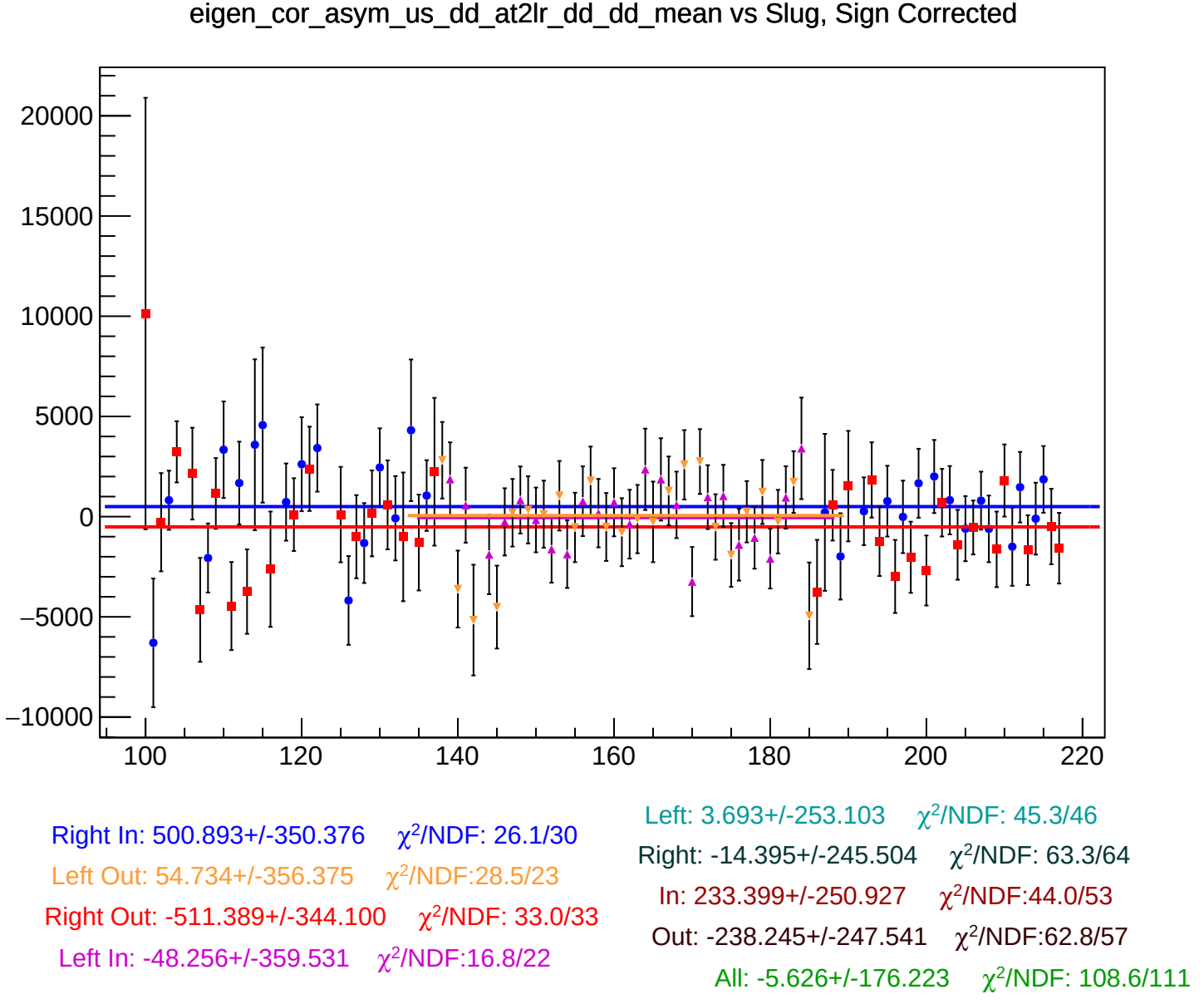
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

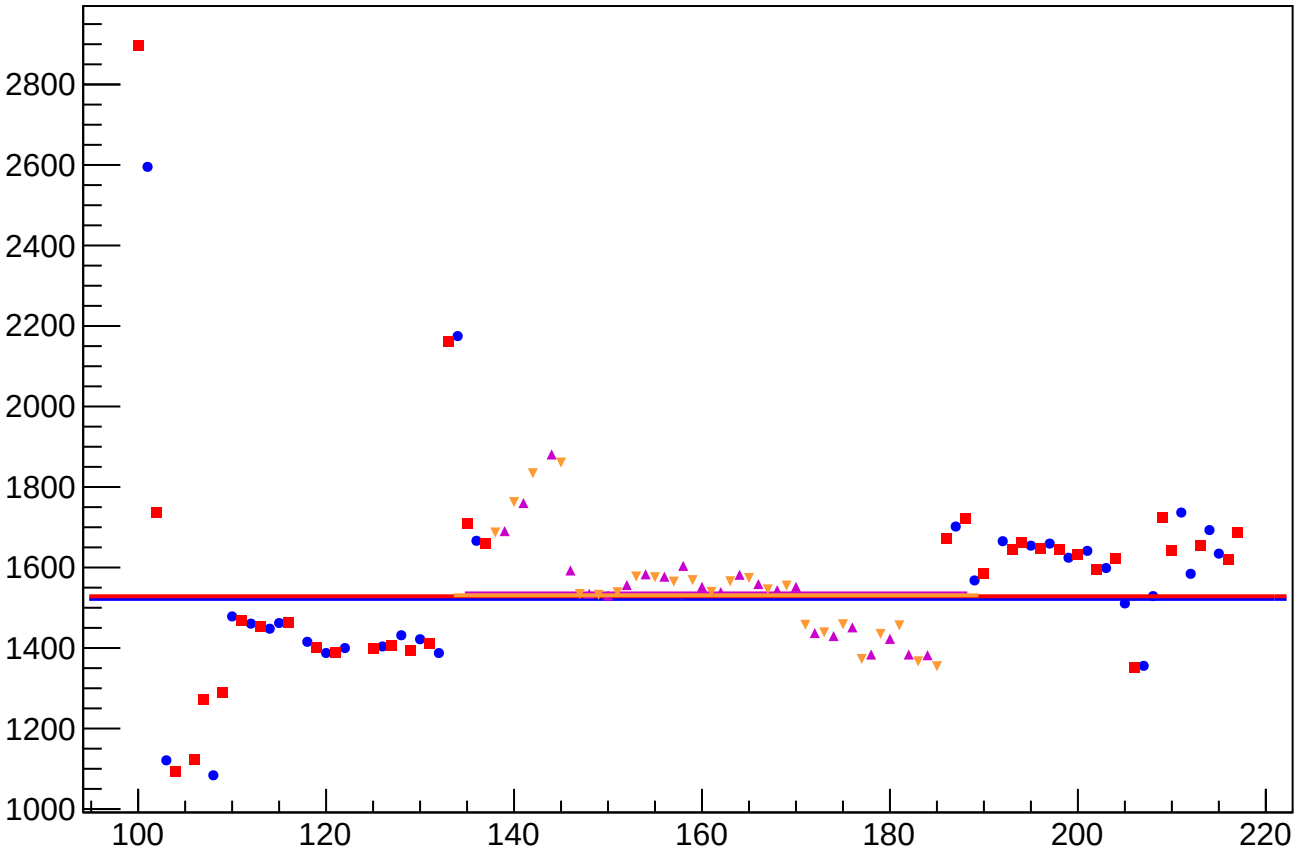
Right: 771.930+/-0.102 χ^2/NDF: 20263895.4/64

In: 513.111+/-0.068 χ^2/NDF:17240473.3/53

Out: 493.753+/-0.065 χ^2/NDF:18235045.2/57

All: 503.029+/-0.047 χ^2/NDF: 35517788.1/11


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 500.893+/-350.376 χ²/NDF: 26.1/30
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -511.389+/-344.100 χ²/NDF: 33.0/33
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: -14.395+/-245.504 χ²/NDF: 63.3/64
In: 233.399+/-250.927 χ²/NDF:44.0/53
Out: -238.245+/-247.541 χ²/NDF:62.8/57
All: -5.626+/-176.223 χ²/NDF: 108.6/111



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: 1528.503+/-0.243 χ^2/NDF: 648991.4/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

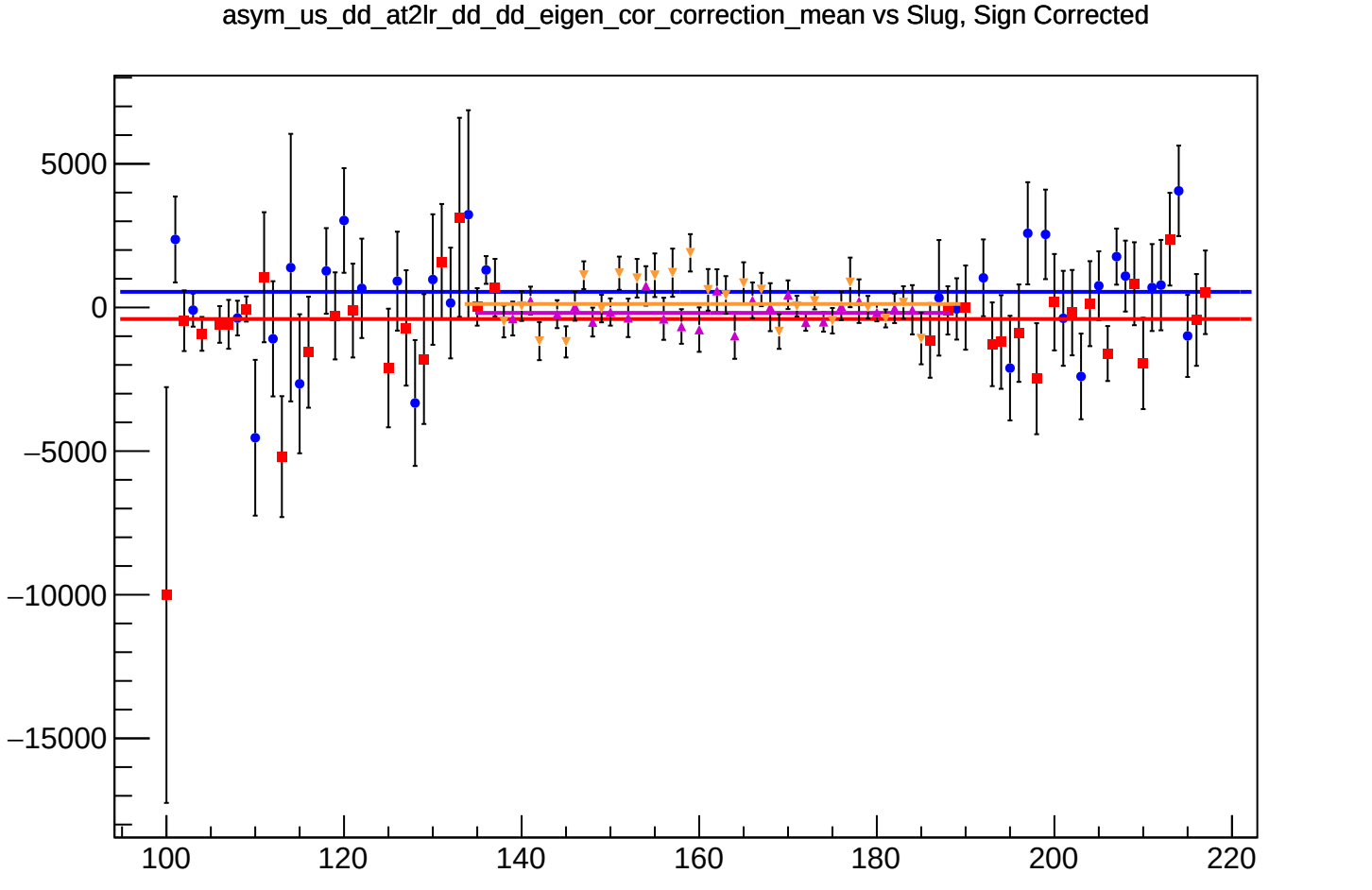
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1525.361+/-0.174 χ^2/NDF: 1419967.5/64

In: 1528.654+/-0.177 χ^2/NDF:964504.2/53

Out: 1529.696+/-0.175 χ^2/NDF:852581.0/57

All: 1529.182+/-0.125 χ^2/NDF: 1817102.7/11



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: -402.387+/-192.096 χ^2/NDF: 23.3/33

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

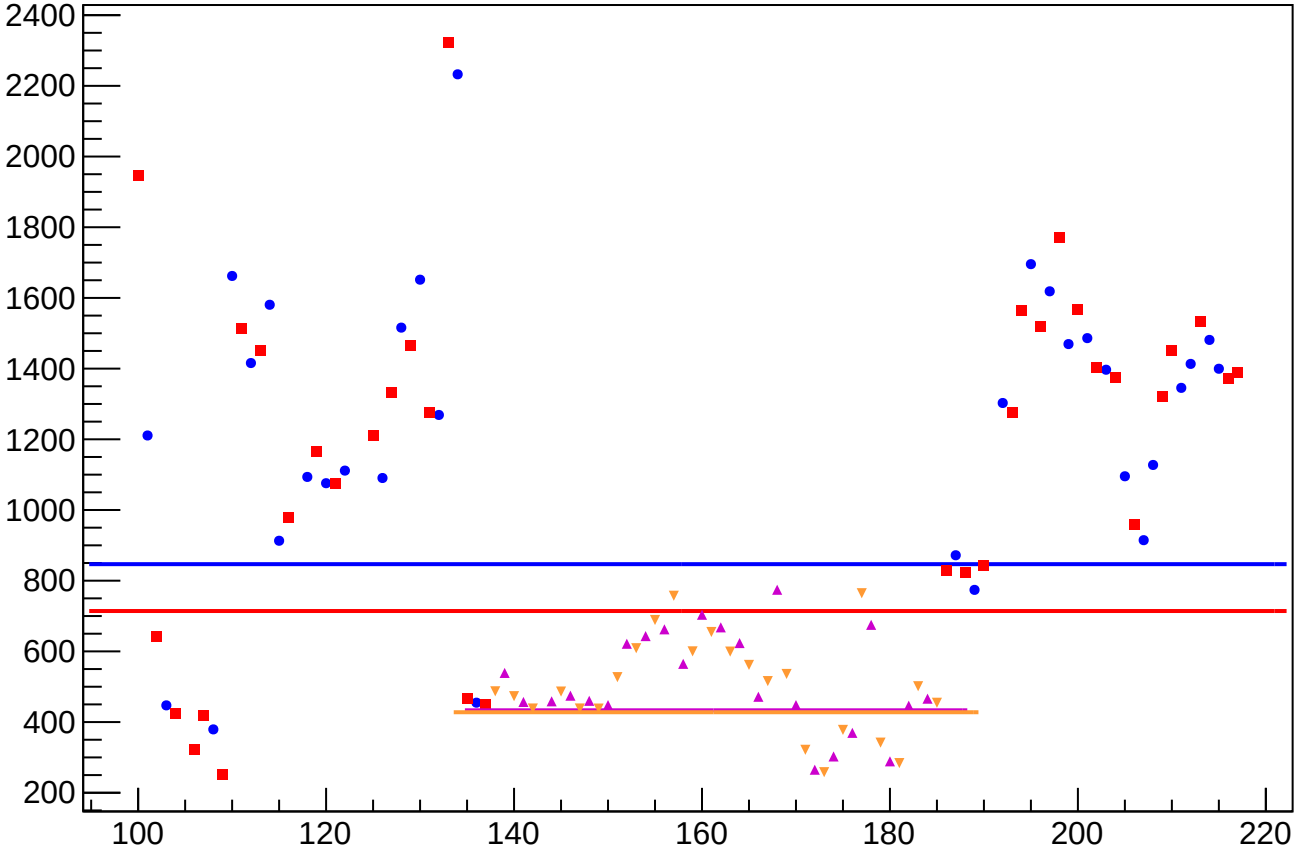
Right: 10.057+/-144.328 χ^2/NDF: 70.9/64

In: -45.772+/-96.096 χ^2/NDF:57.7/53

Out: 0.742+/-92.175 χ^2/NDF:72.7/57

All: -21.547+/-66.521 χ^2/NDF: 130.5/111

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 846.767+/-0.155 χ^2/NDF: 8224113.9/30

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 714.197+/-0.136 χ^2/NDF: 11624956.3/33

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

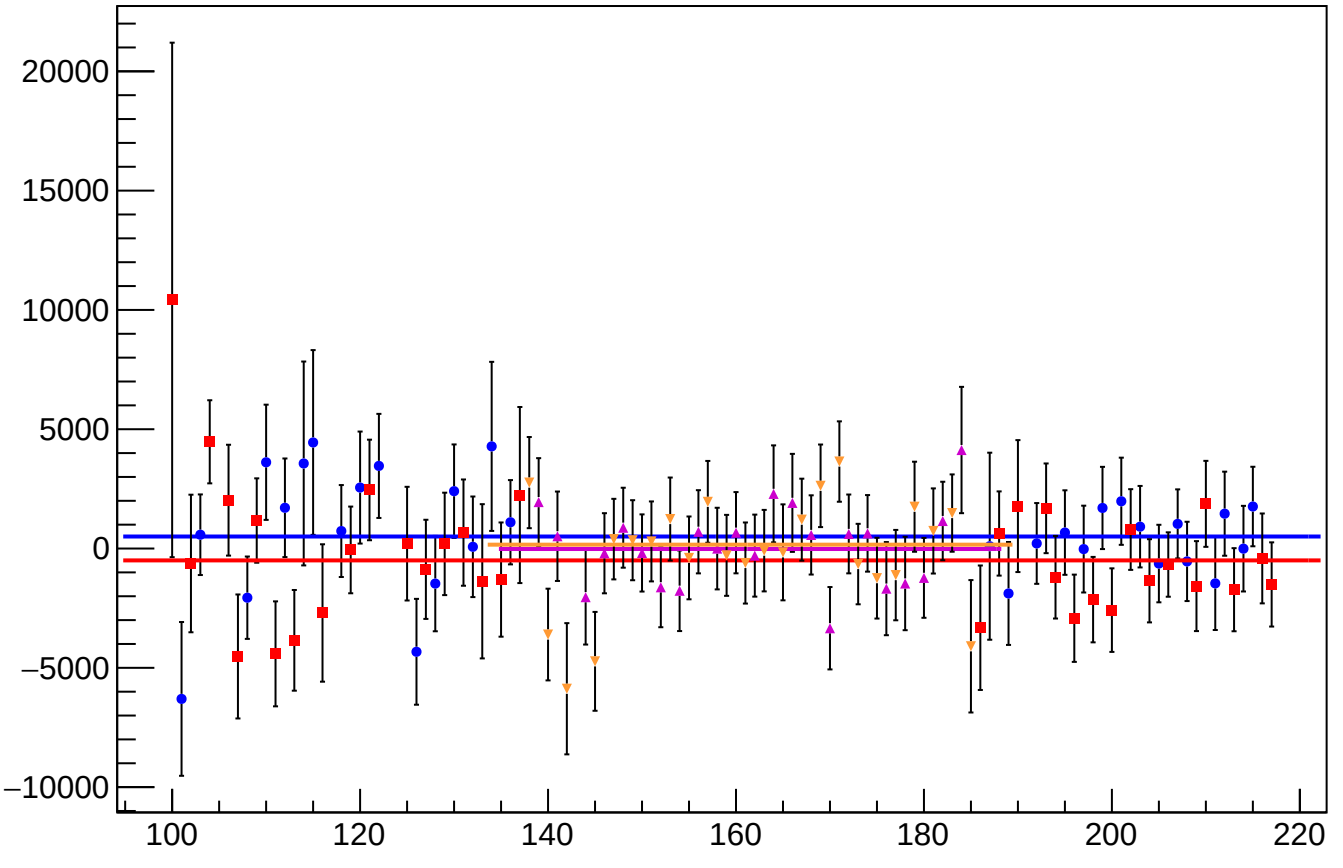
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 771.930+/-0.102 χ^2/NDF: 20263895.4/64

In: 513.111+/-0.068 χ^2/NDF:17240473.3/53

Out: 493.753+/-0.065 χ^2/NDF:18235045.2/57

All: 503.029+/-0.047 χ^2/NDF: 35517788.1/11



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: -497.658+/-347.835 χ^2/NDF: 34.7/33

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

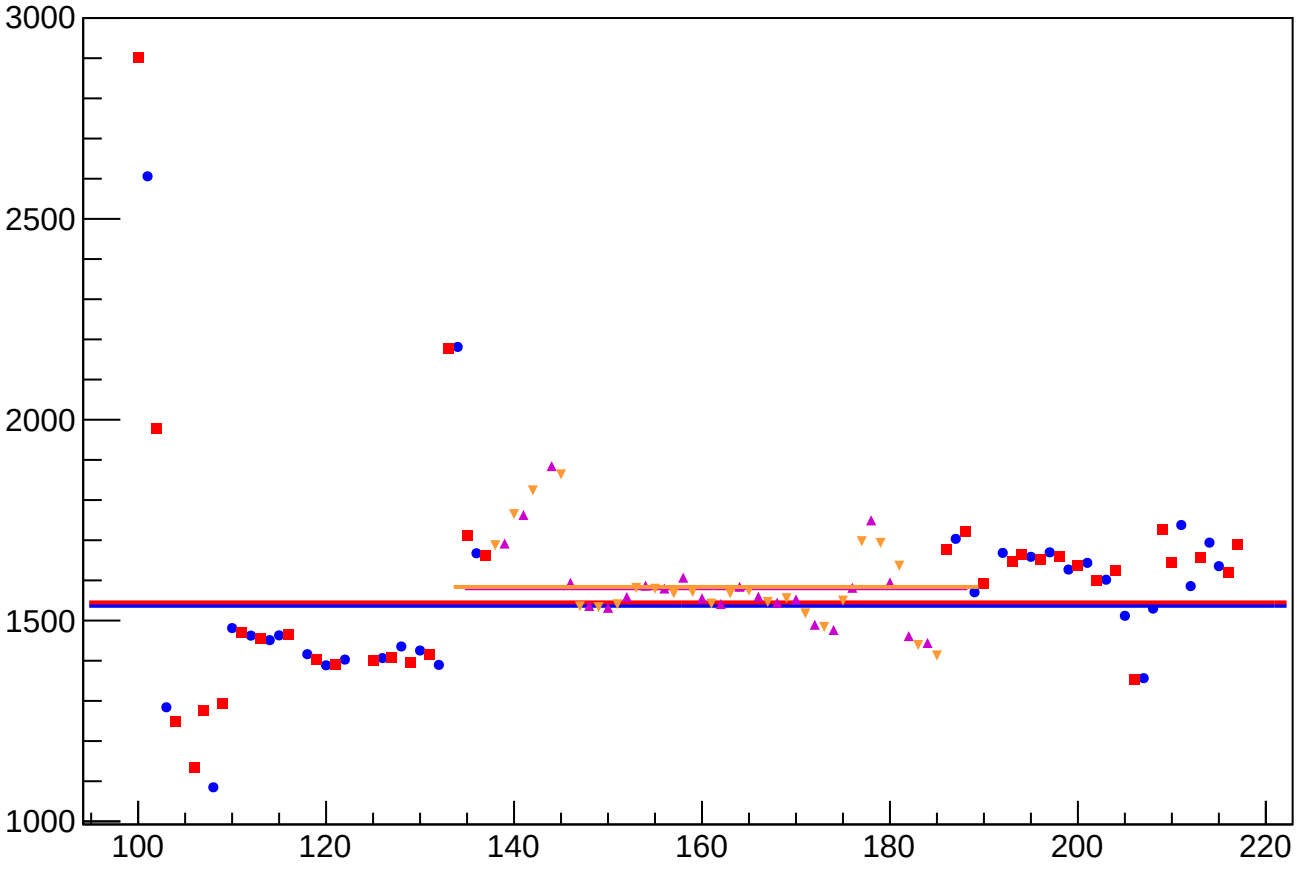
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: -4.777+/-247.853 χ^2/NDF: 65.1/64

In: 253.640+/-255.435 χ^2/NDF:43.4/53

Out: -186.916+/-252.903 χ^2/NDF:66.3/57

All: 31.168+/-179.718 χ^2/NDF: 111.2/111



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: 1545.188+/-0.246 χ^2/NDF: 568378.5/33

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

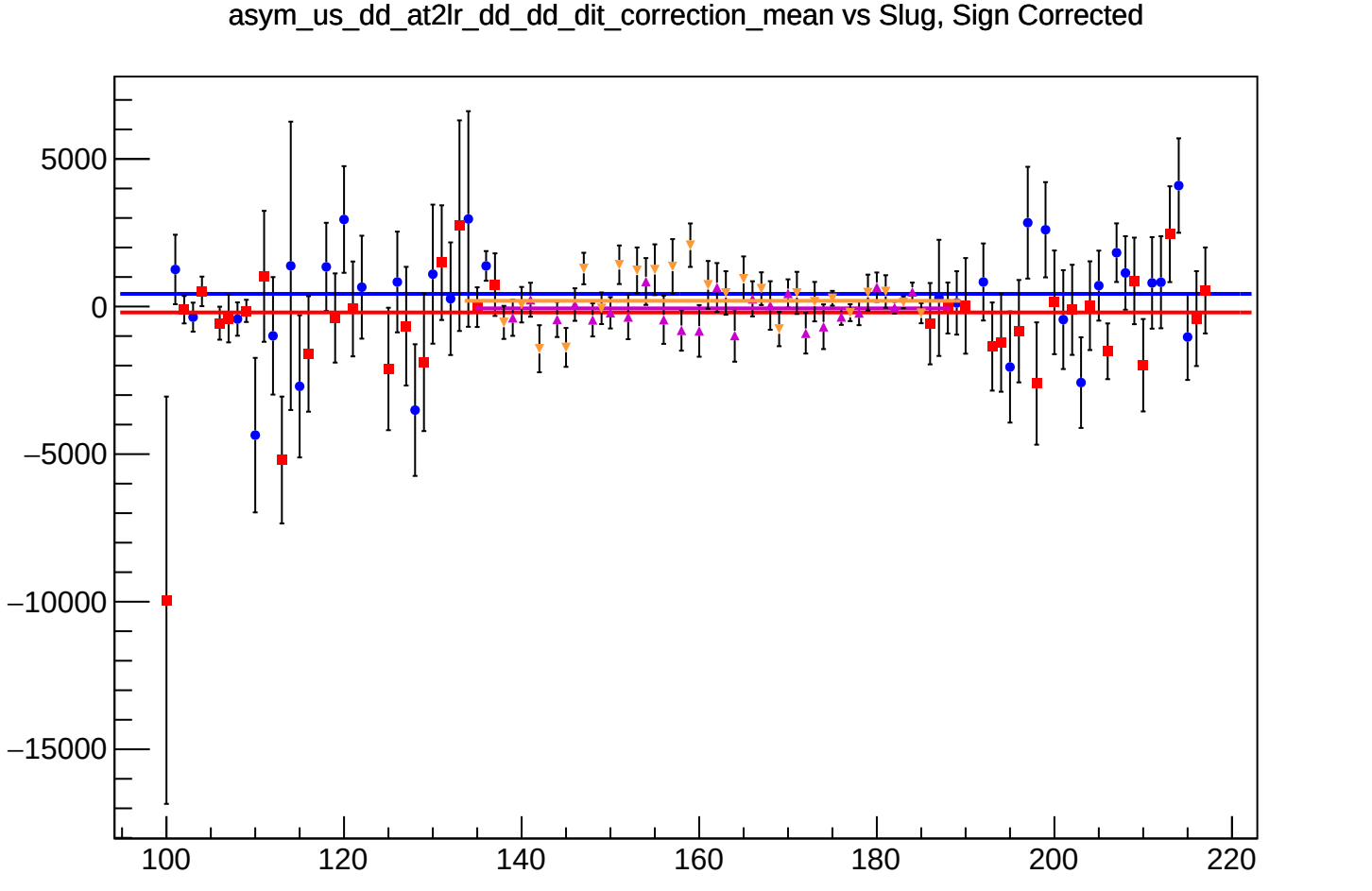
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1541.079+/-0.175 χ^2/NDF: 1233046.5/64

In: 1557.656+/-0.181 χ^2/NDF:804399.5/53

Out: 1563.328+/-0.179 χ^2/NDF:713502.2/57

All: 1560.520+/-0.127 χ^2/NDF: 1518399.6/11



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: -200.203+/-171.230 χ^2/NDF: 23.9/33

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

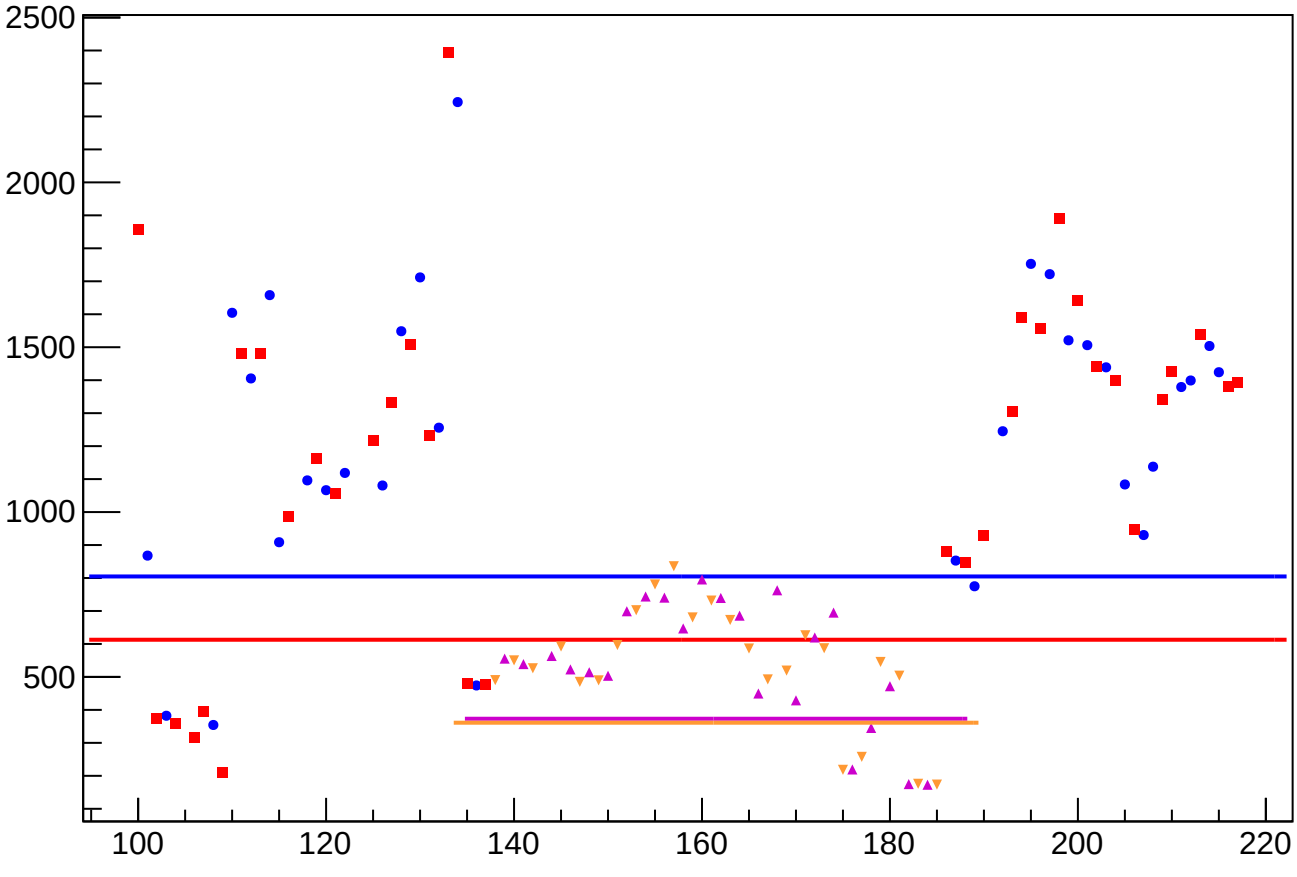
Right: 48.010+/-133.230 χ^2/NDF: 68.0/64

In: 26.706+/-90.241 χ^2/NDF:60.2/53

Out: 99.356+/-83.667 χ^2/NDF:68.0/57

All: 65.773+/-61.354 χ^2/NDF: 128.5/111

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 804.712+/-0.150 χ^2/NDF: 9122335.3/30

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 612.754+/-0.121 χ^2/NDF: 14308317.8/33

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

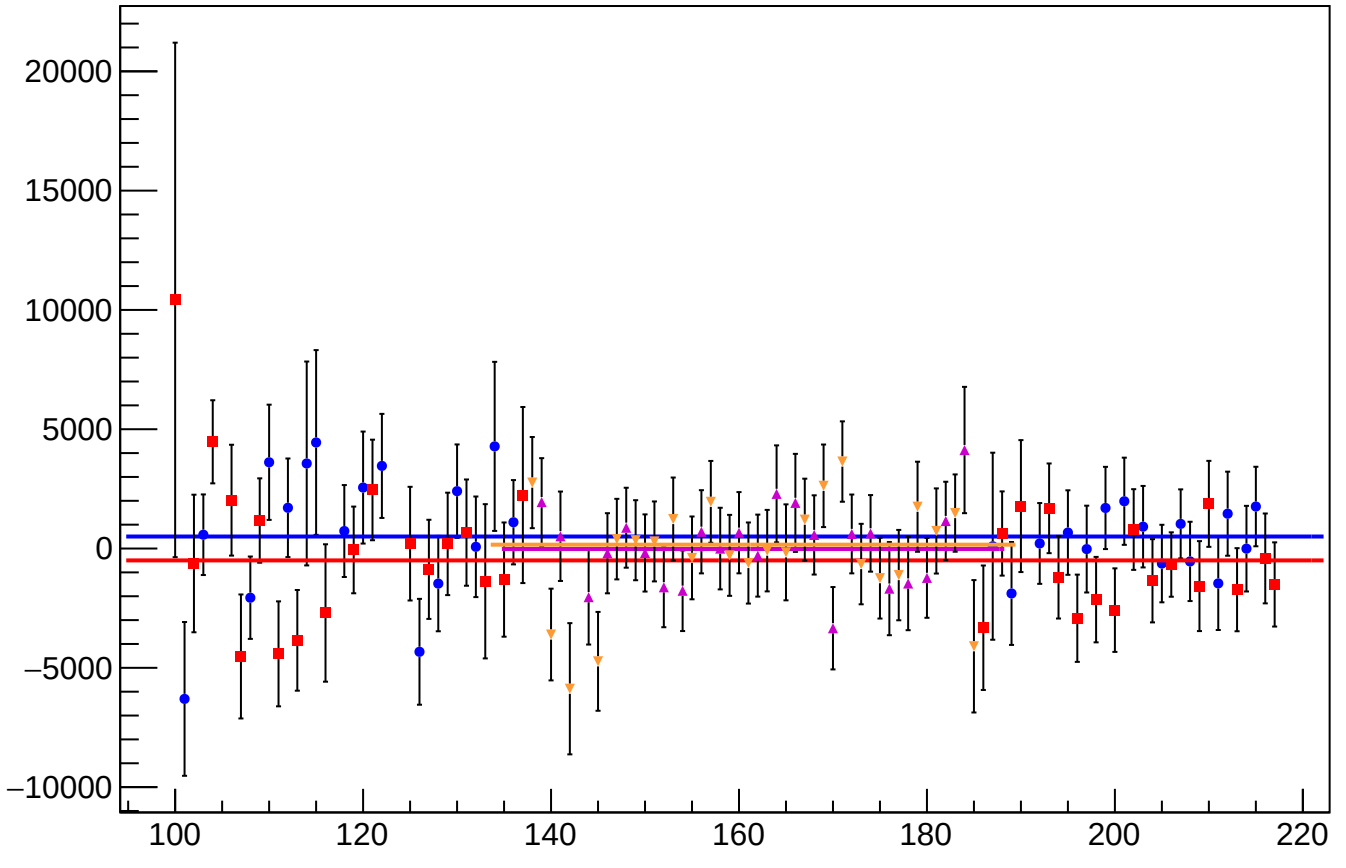
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 688.499+/-0.094 χ^2/NDF: 24422482.8/64

In: 451.268+/-0.064 χ^2/NDF:24111565.3/53

Out: 421.183+/-0.059 χ^2/NDF:25780004.6/57

All: 435.090+/-0.043 χ^2/NDF: 50011110.0/11



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: -497.656+/-347.835 χ^2/NDF: 34.7/33

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

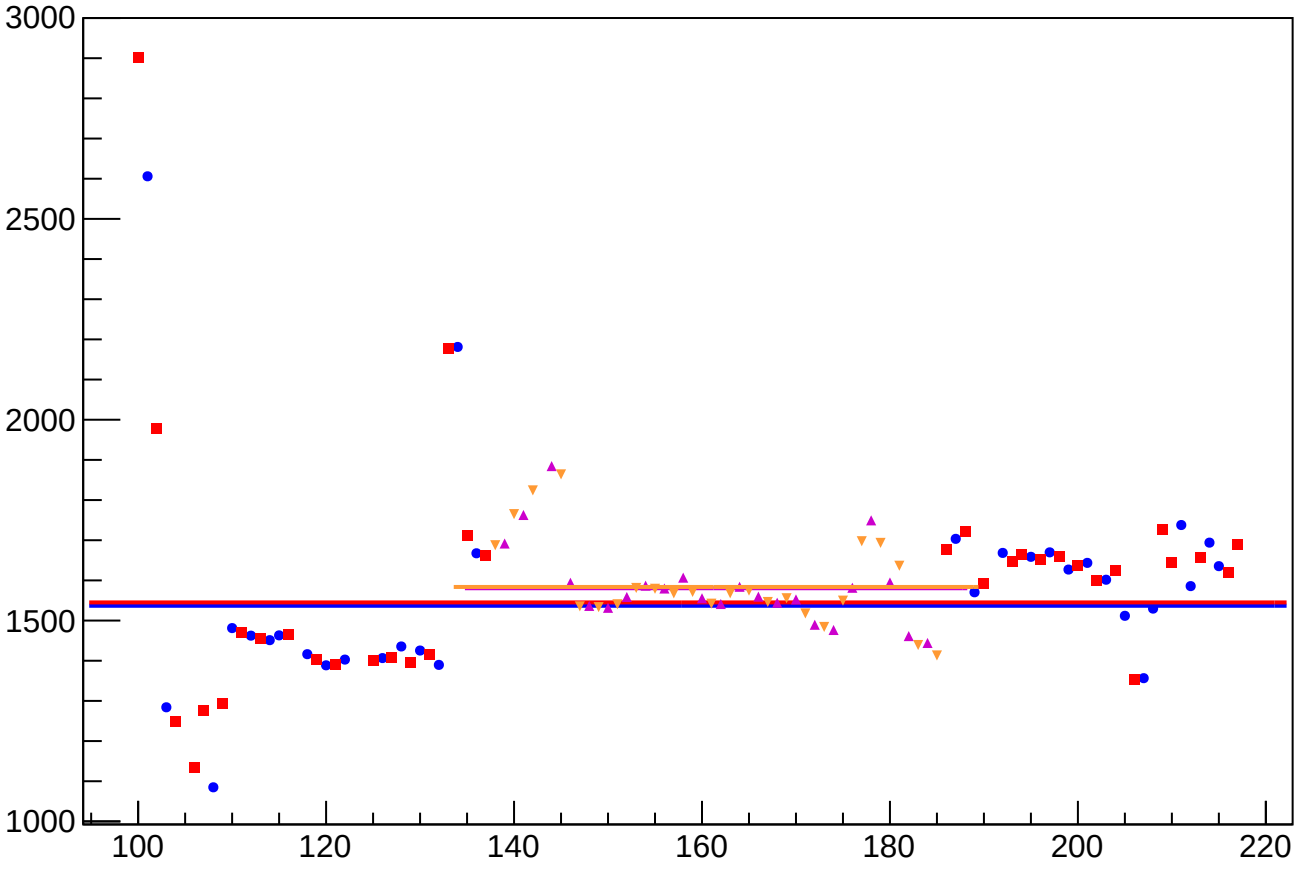
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: -4.779+/-247.853 χ^2/NDF: 65.1/64

In: 253.638+/-255.435 χ^2/NDF:43.4/53

Out: -186.917+/-252.903 χ^2/NDF:66.3/57

All: 31.166+/-179.718 χ^2/NDF: 111.2/111



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: 1545.188+/-0.246 χ^2/NDF: 568378.5/33

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

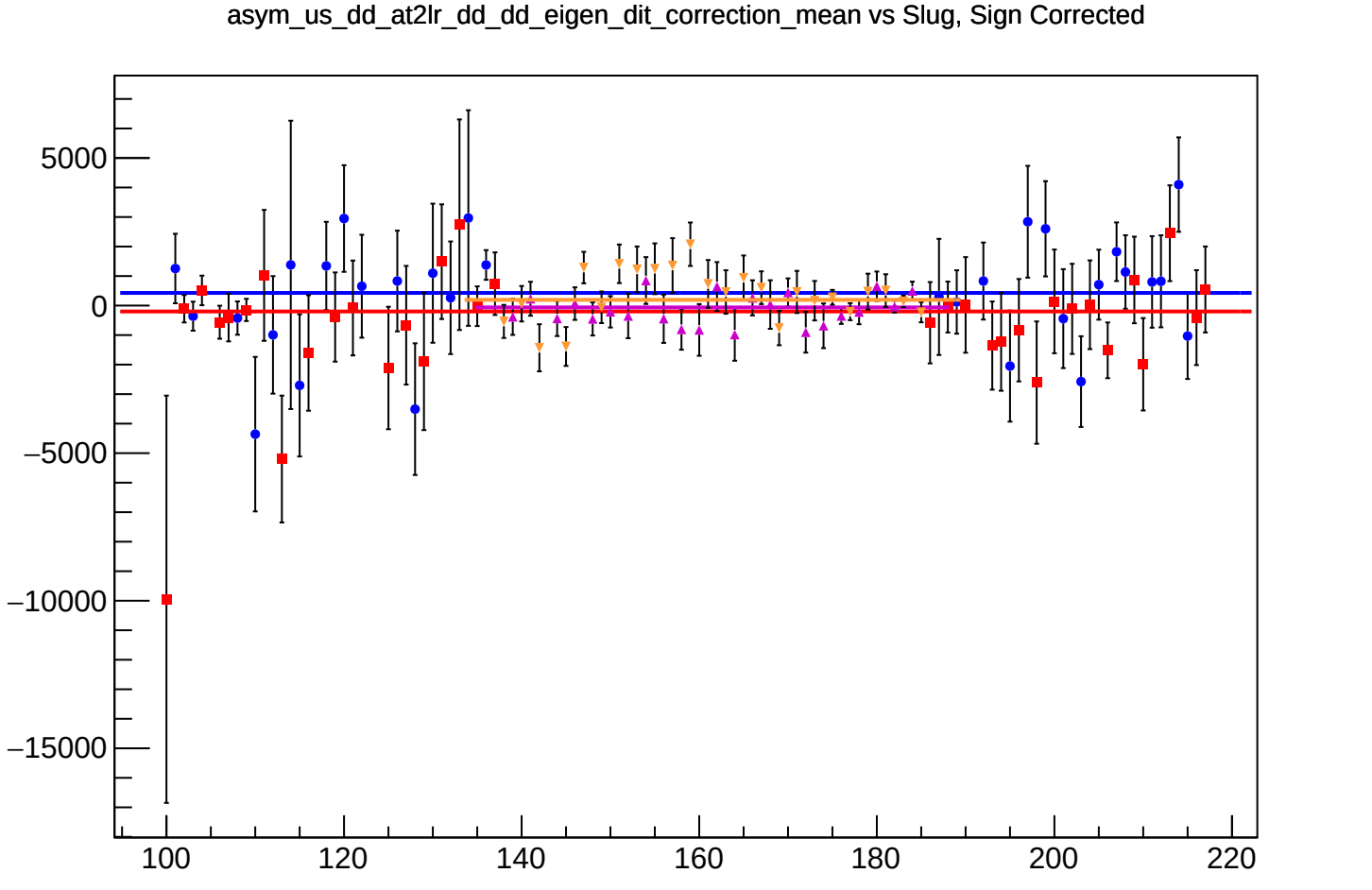
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1541.079+/-0.175 χ^2/NDF: 1233046.0/64

In: 1557.656+/-0.181 χ^2/NDF:804398.8/53

Out: 1563.328+/-0.179 χ^2/NDF:713502.2/57

All: 1560.520+/-0.127 χ^2/NDF: 1518399.0/11



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: -200.201+/-171.231 χ^2/NDF: 23.9/33

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

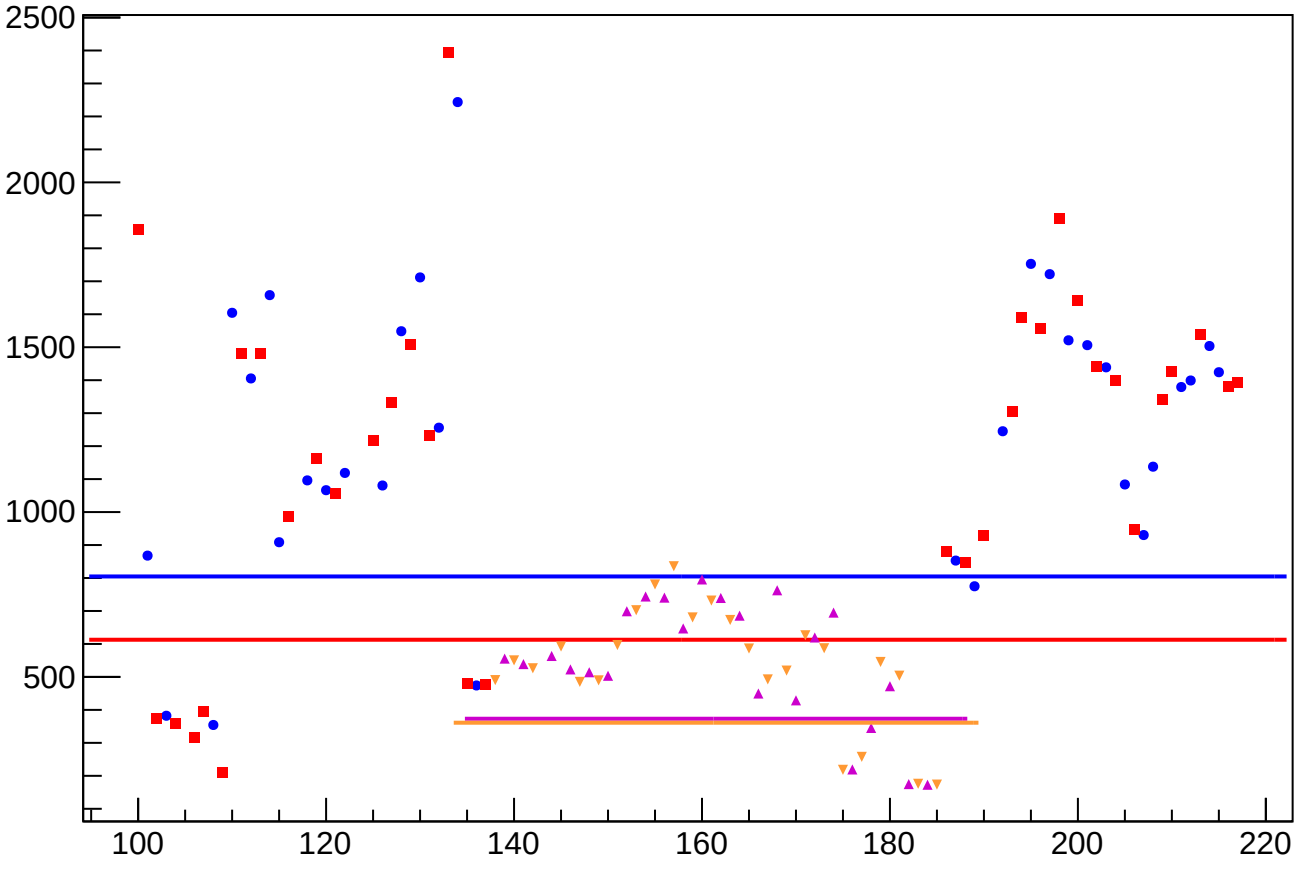
Right: 48.013+/-133.230 χ^2/NDF: 68.0/64

In: 26.709+/-90.241 χ^2/NDF:60.2/53

Out: 99.360+/-83.667 χ^2/NDF:68.0/57

All: 65.777+/-61.354 χ^2/NDF: 128.5/111

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 804.709+/-0.150 χ^2/NDF: 9122352.8/30

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 612.760+/-0.121 χ^2/NDF: 14308128.4/33

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

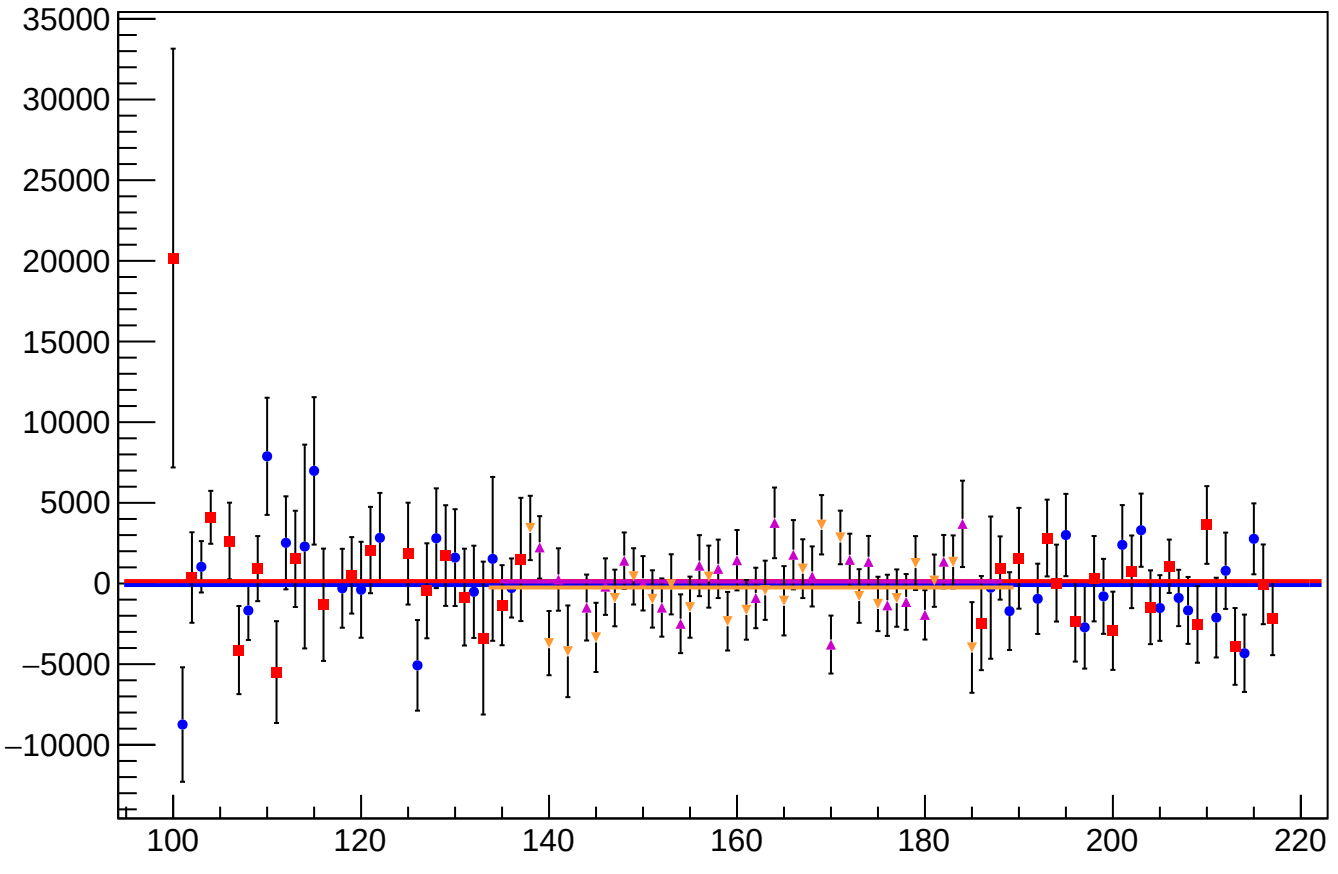
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 688.503+/-0.094 χ^2/NDF: 24422210.4/64

In: 451.273+/-0.064 χ^2/NDF:24111115.0/53

Out: 421.187+/-0.059 χ^2/NDF:25779697.0/57

All: 435.094+/-0.043 χ^2/NDF: 50010354.1/11



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: 147.721+/-433.606 χ^2/NDF: 30.9/33

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

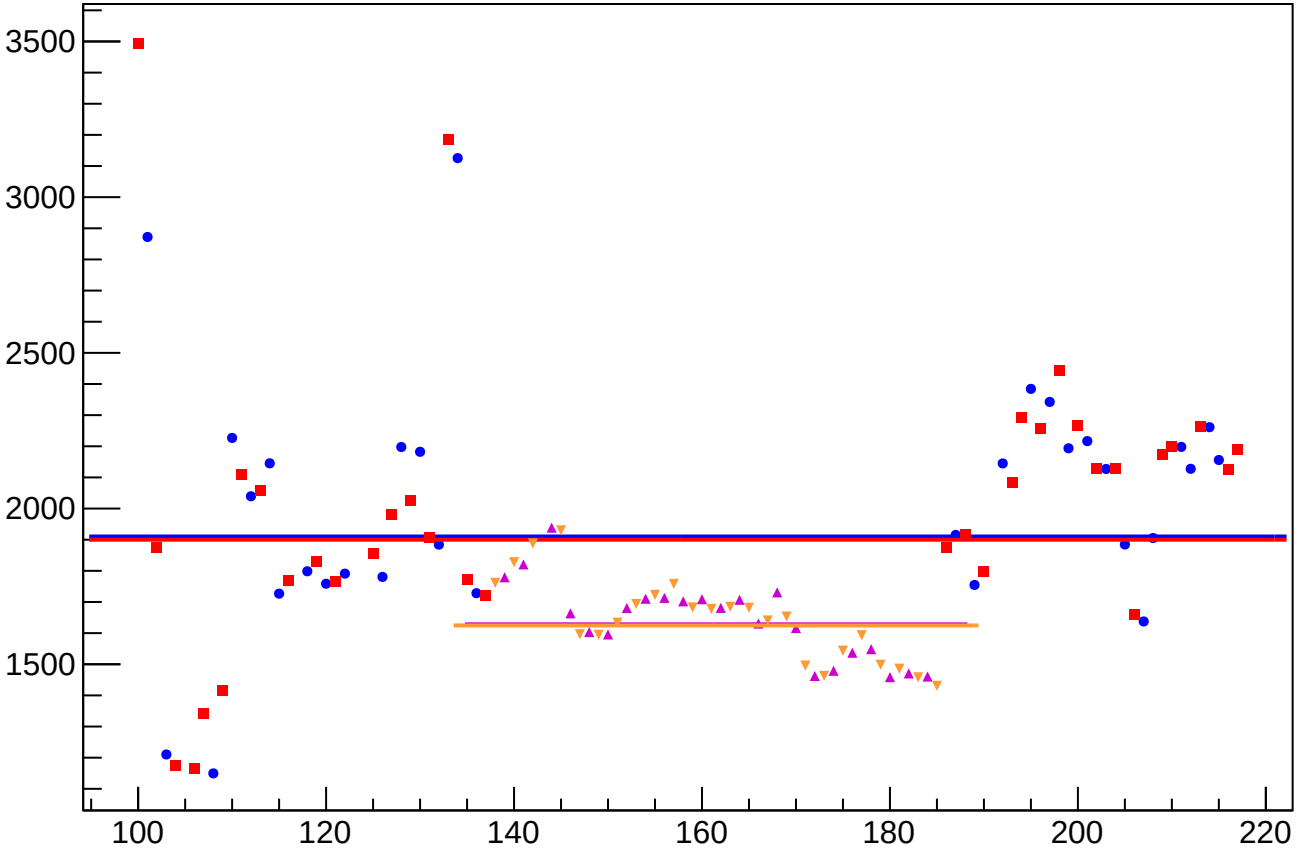
Right: 28.931+/-310.361 χ^2/NDF: 65.5/64

In: 31.996+/-289.390 χ^2/NDF:55.7/53

Out: -76.504+/-285.027 χ^2/NDF:57.4/57

All: -23.078+/-203.070 χ^2/NDF: 113.2/111

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: 1900.023+/-0.307 χ^2/NDF: 1470259.3/33

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

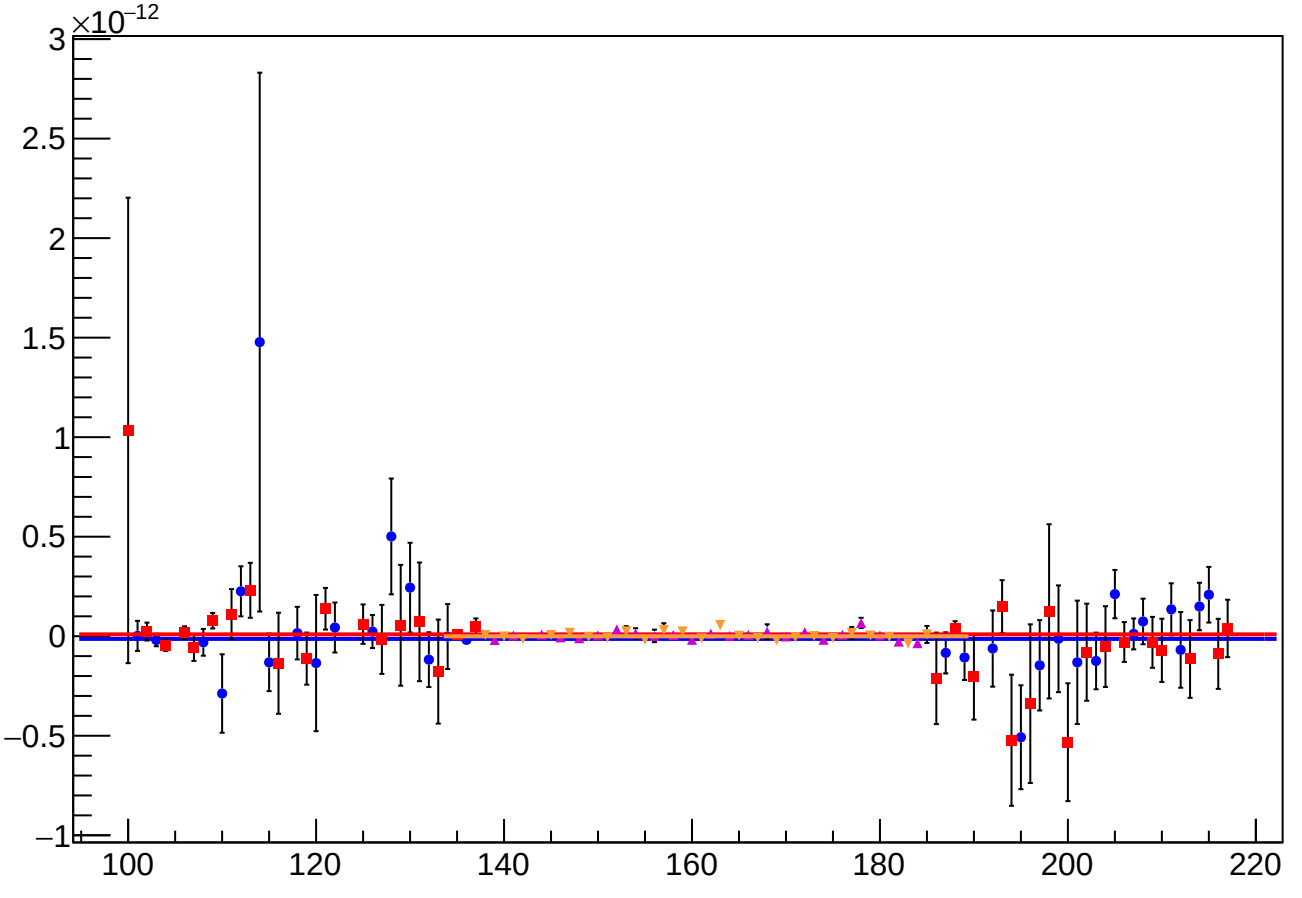
Right: 1905.005+/-0.219 χ^2/NDF: 2958561.6/64

In: 1747.797+/-0.205 χ^2/NDF:2156522.3/53

Out: 1743.618+/-0.202 χ^2/NDF:2135730.4/57

All: 1745.676+/-0.144 χ^2/NDF: 4292464.5/11

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/33

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

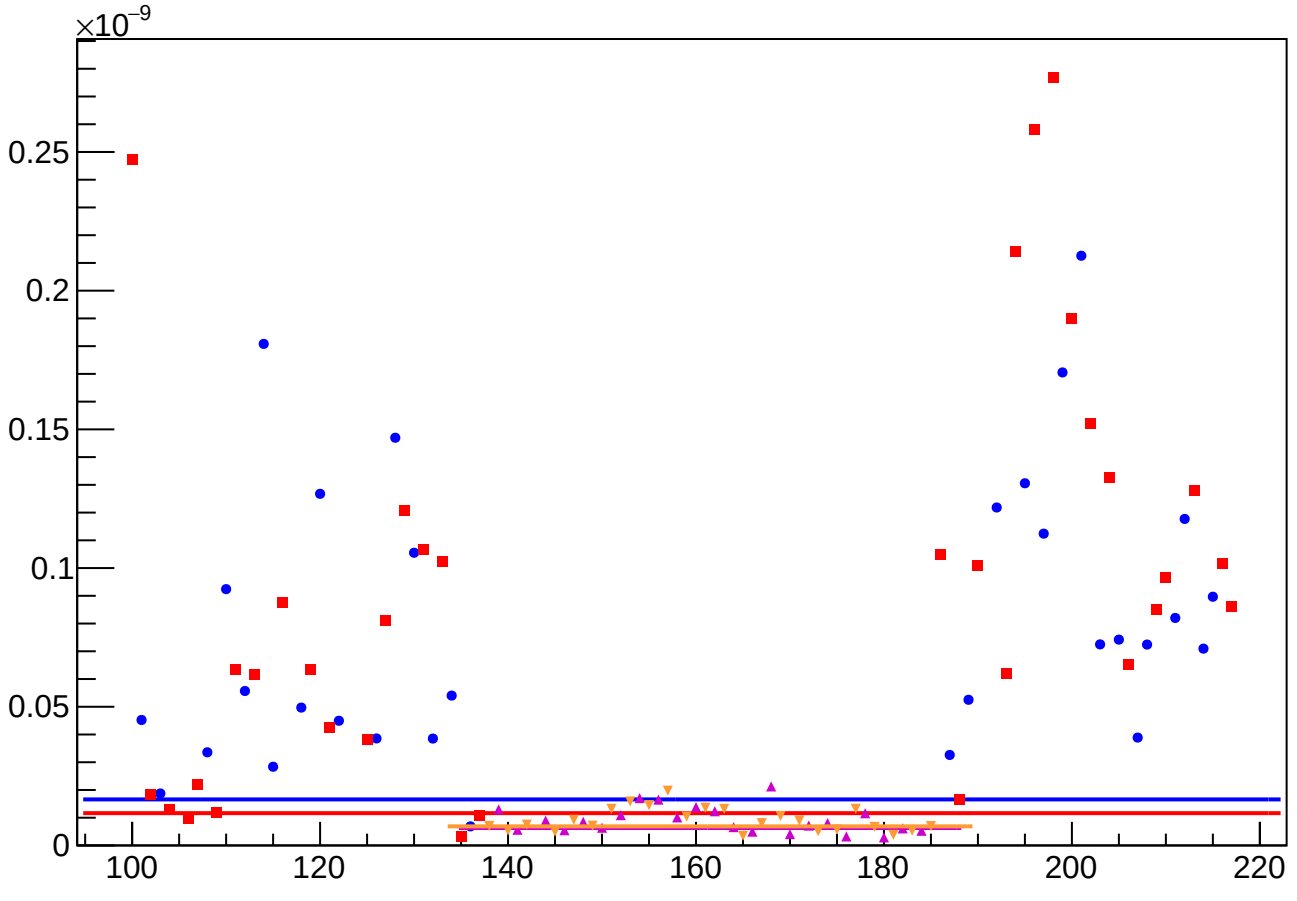
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 60.6/64

In: 0.000+/-0.000 χ^2/NDF:55.6/53

Out: 0.000+/-0.000 χ^2/NDF:52.2/57

All: 0.000+/-0.000 χ^2/NDF: 107.8/111



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: 12731396.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

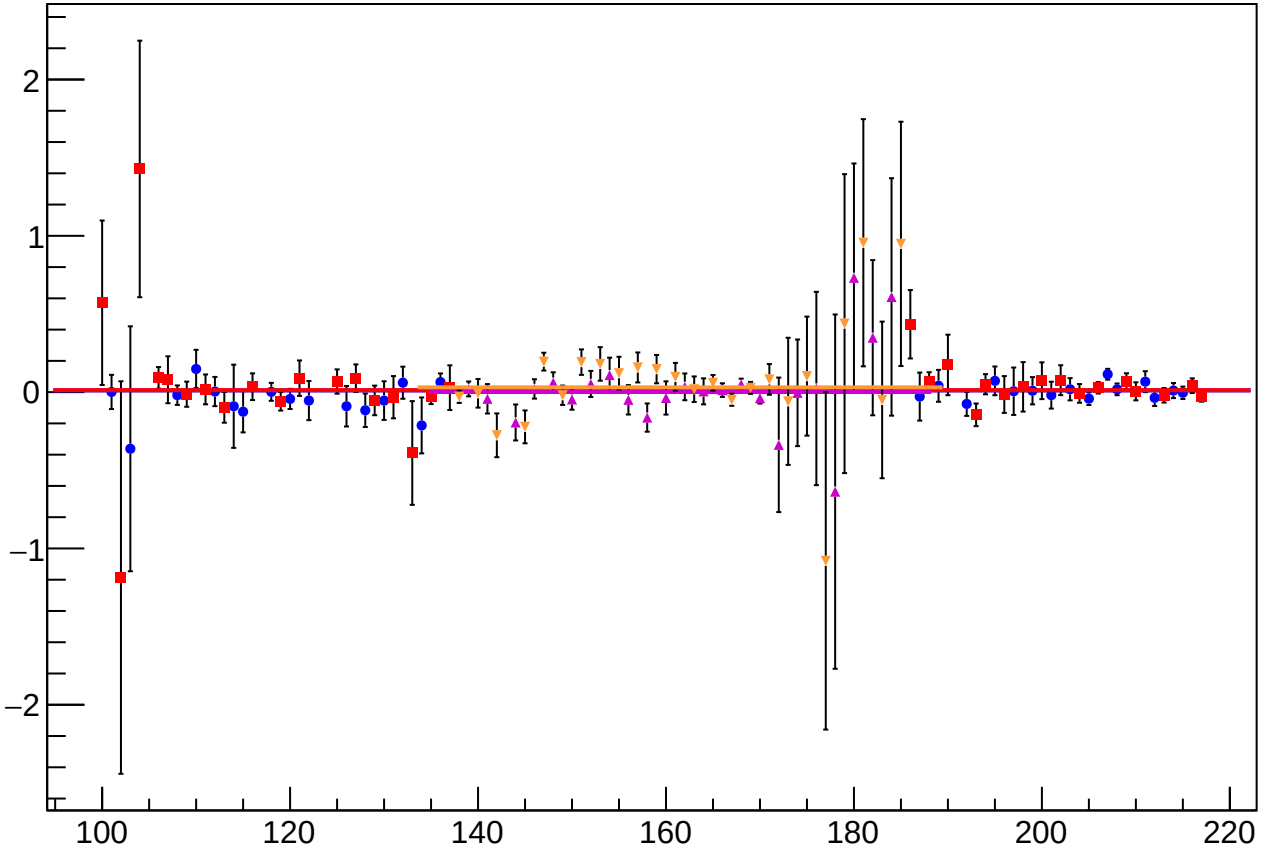
Right: 0.000+/-0.000 χ^2/NDF: 23331005.8/64

In: 0.000+/-0.000 χ^2/NDF:15229705.3/53

Out: 0.000+/-0.000 χ^2/NDF:15570762.6/57

All: 0.000+/-0.000 χ^2/NDF: 30819330.4/111

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: 0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

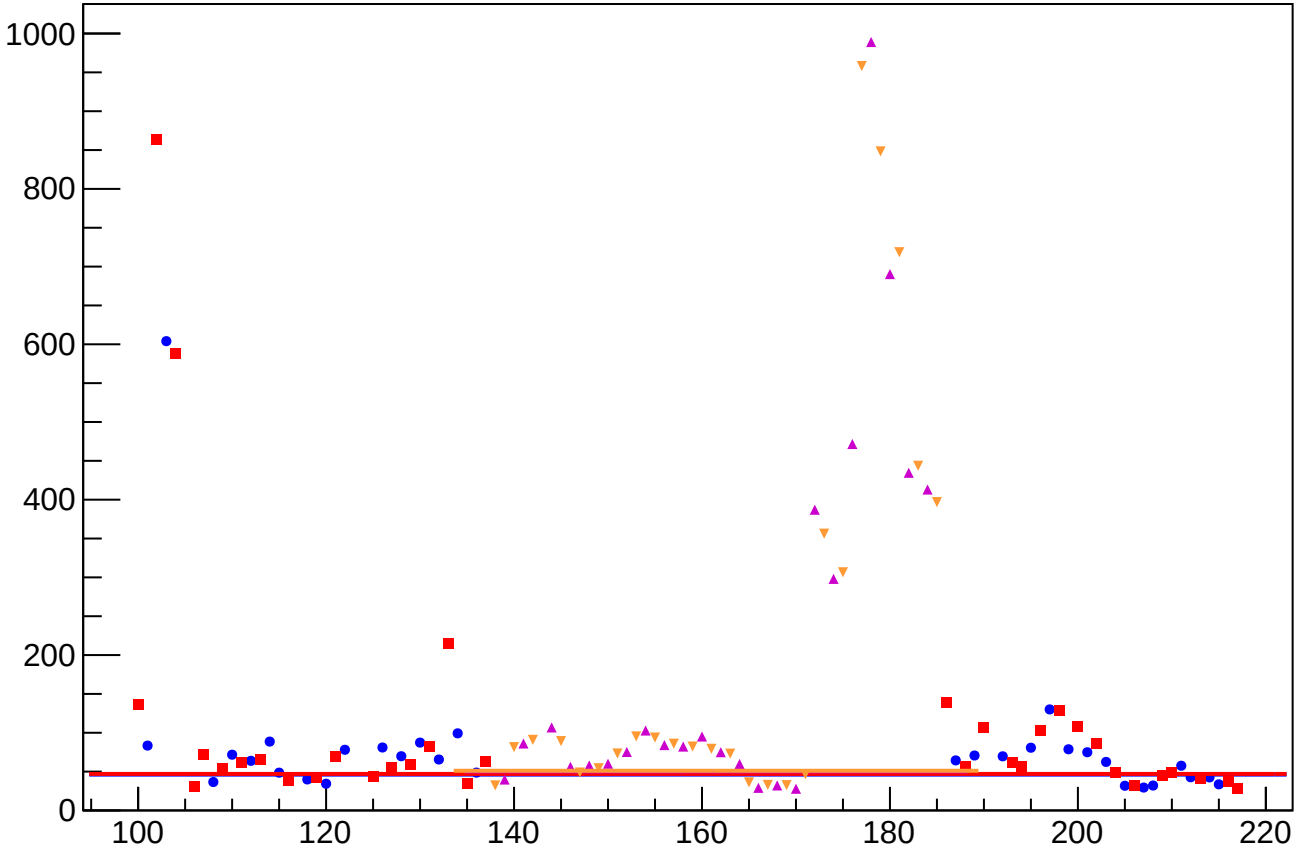
Right: 0.012+/-0.009 χ^2/NDF: 51.6/64

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.020+/-0.010 χ^2/NDF:70.7/57

All: 0.013+/-0.007 χ^2/NDF: 111.1/111

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: 47.007+/-0.009 χ^2/NDF: 6601451.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

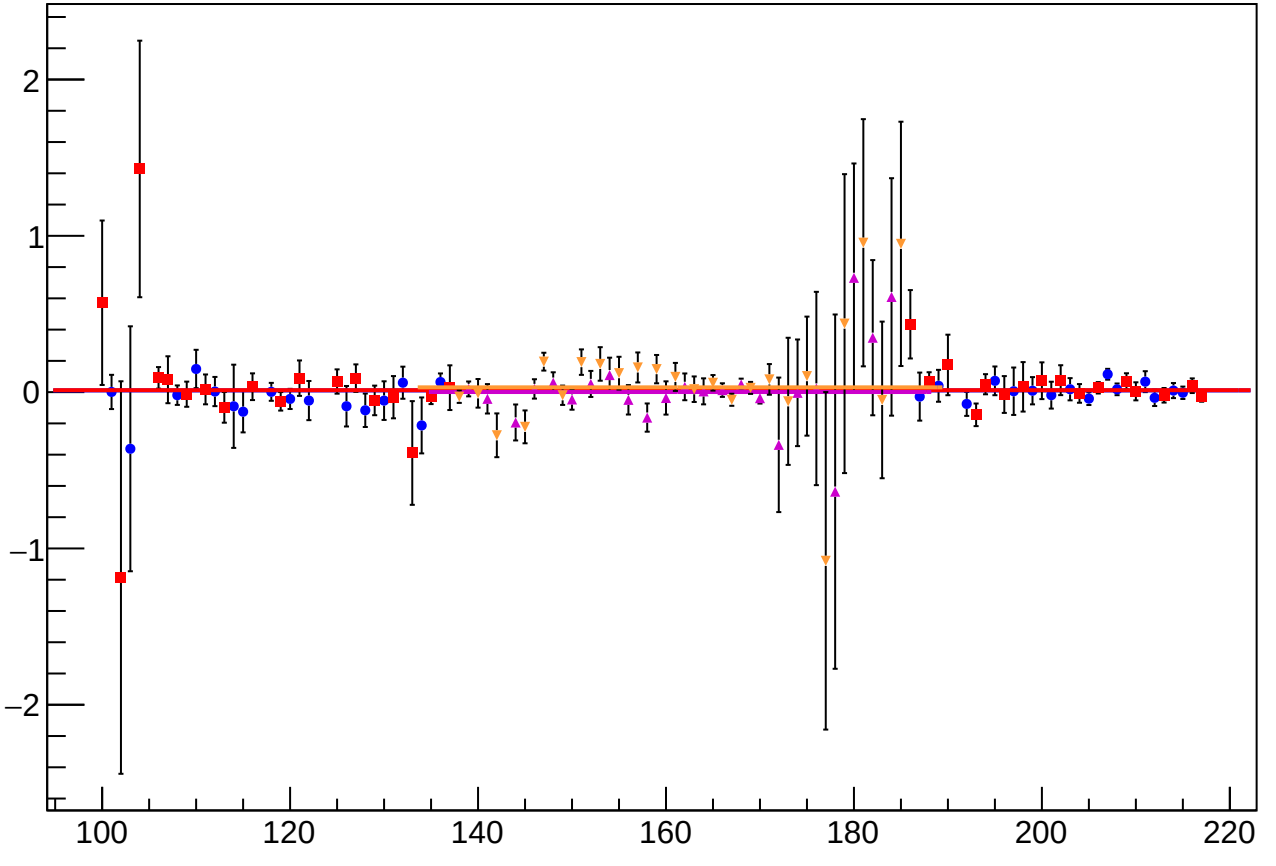
Right: 46.582+/-0.006 χ^2/NDF: 12154521.8/64

In: 47.775+/-0.007 χ^2/NDF:17831010.1/53

Out: 48.605+/-0.007 χ^2/NDF:18422343.4/57

All: 48.185+/-0.005 χ^2/NDF: 36260776.7/111

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: 0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

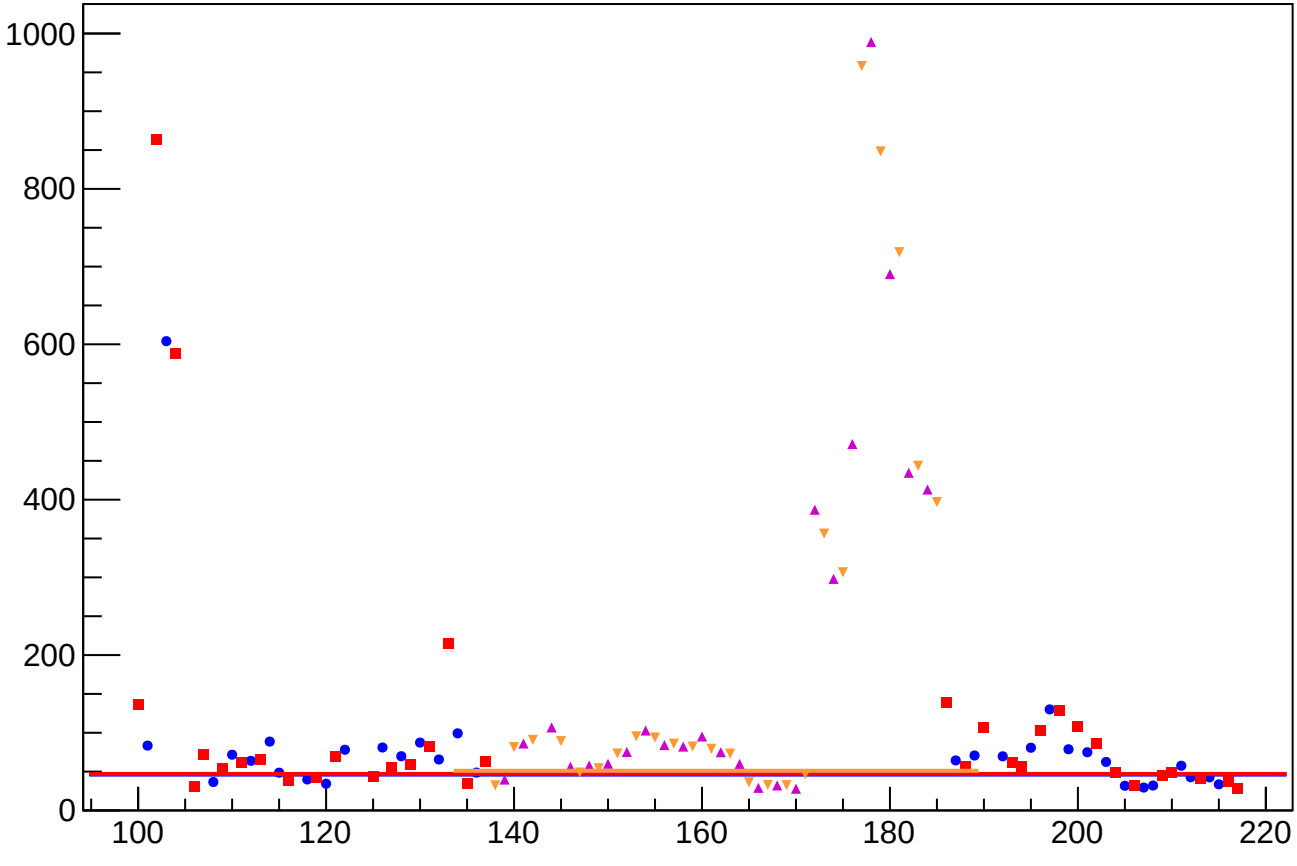
Right: 0.012+/-0.009 χ^2/NDF: 51.6/64

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.020+/-0.010 χ^2/NDF:70.7/57

All: 0.013+/-0.007 χ^2/NDF: 111.1/111

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: 47.007+/-0.009 χ^2/NDF: 6601451.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

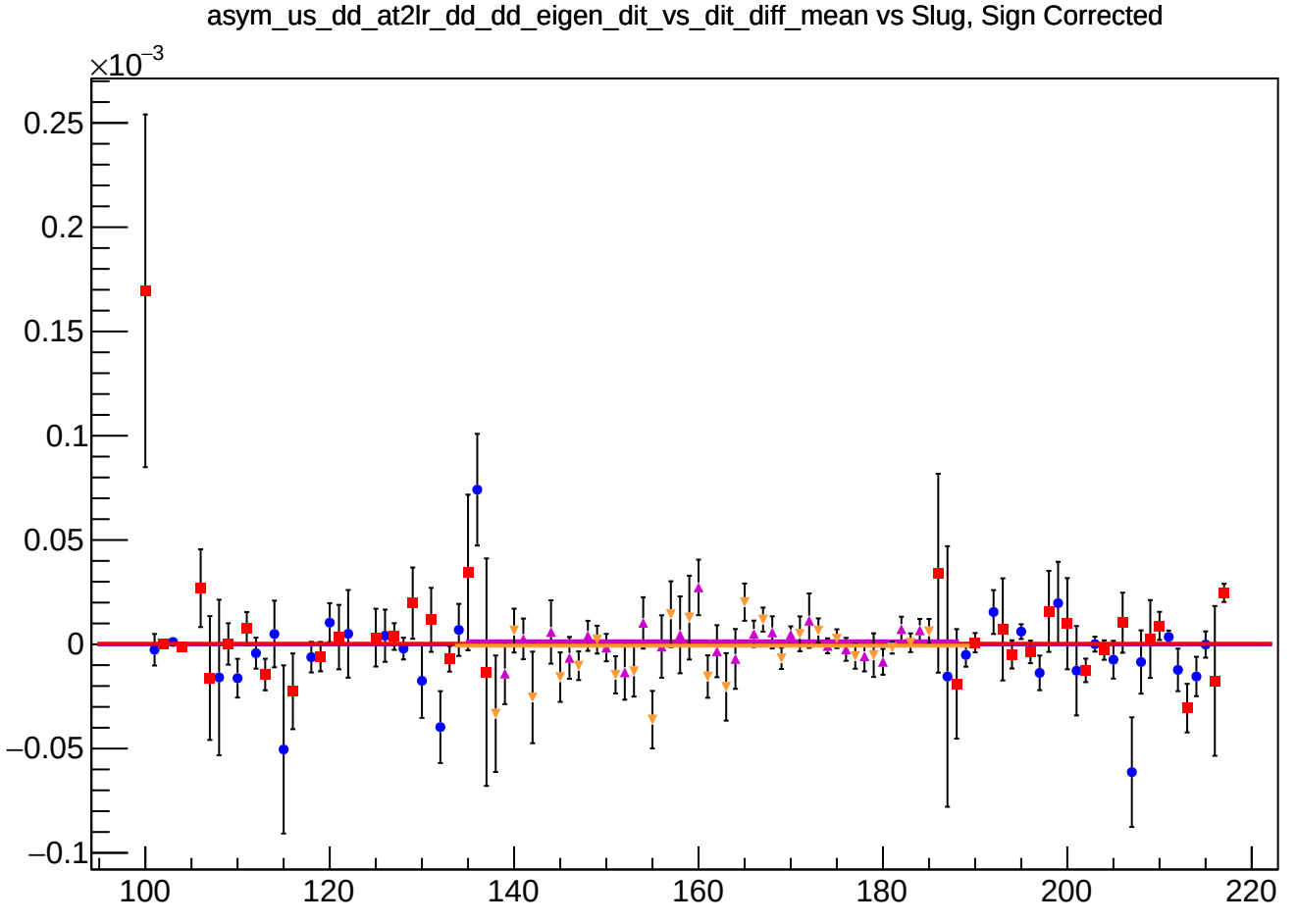
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 46.582+/-0.006 χ^2/NDF: 12154521.8/64

In: 47.775+/-0.007 χ^2/NDF:17831010.1/53

Out: 48.605+/-0.007 χ^2/NDF:18422343.4/57

All: 48.185+/-0.005 χ^2/NDF: 36260776.7/111



Right In: 0.000+/-0.000 χ^2/NDF: 44.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 67.5/33

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

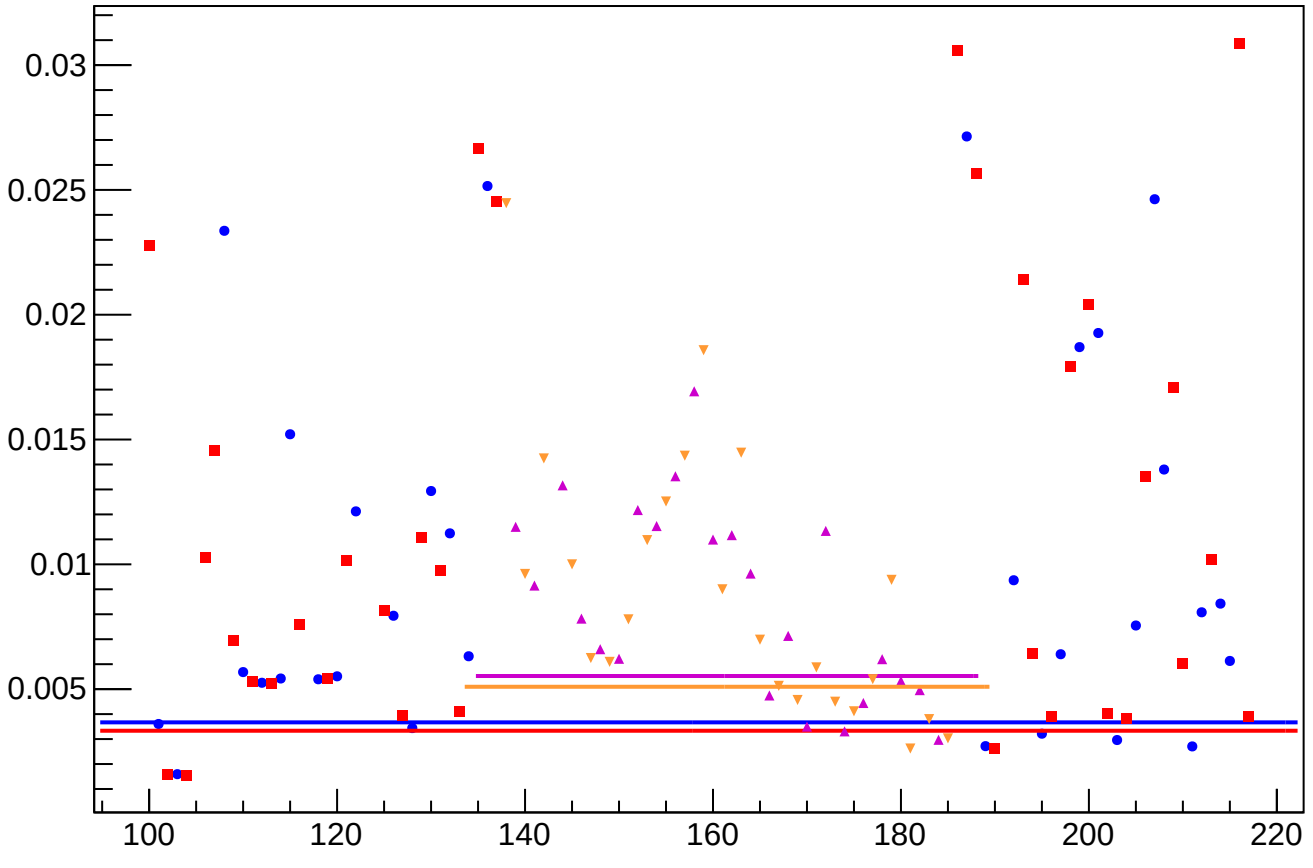
Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

Right: 0.000+/-0.000 χ^2/NDF: 111.7/64

In: 0.000+/-0.000 χ^2/NDF:61.1/53

Out: -0.000+/-0.000 χ^2/NDF:106.3/57

All: 0.000+/-0.000 χ^2/NDF: 167.7/111



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: 17421600.3/33

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

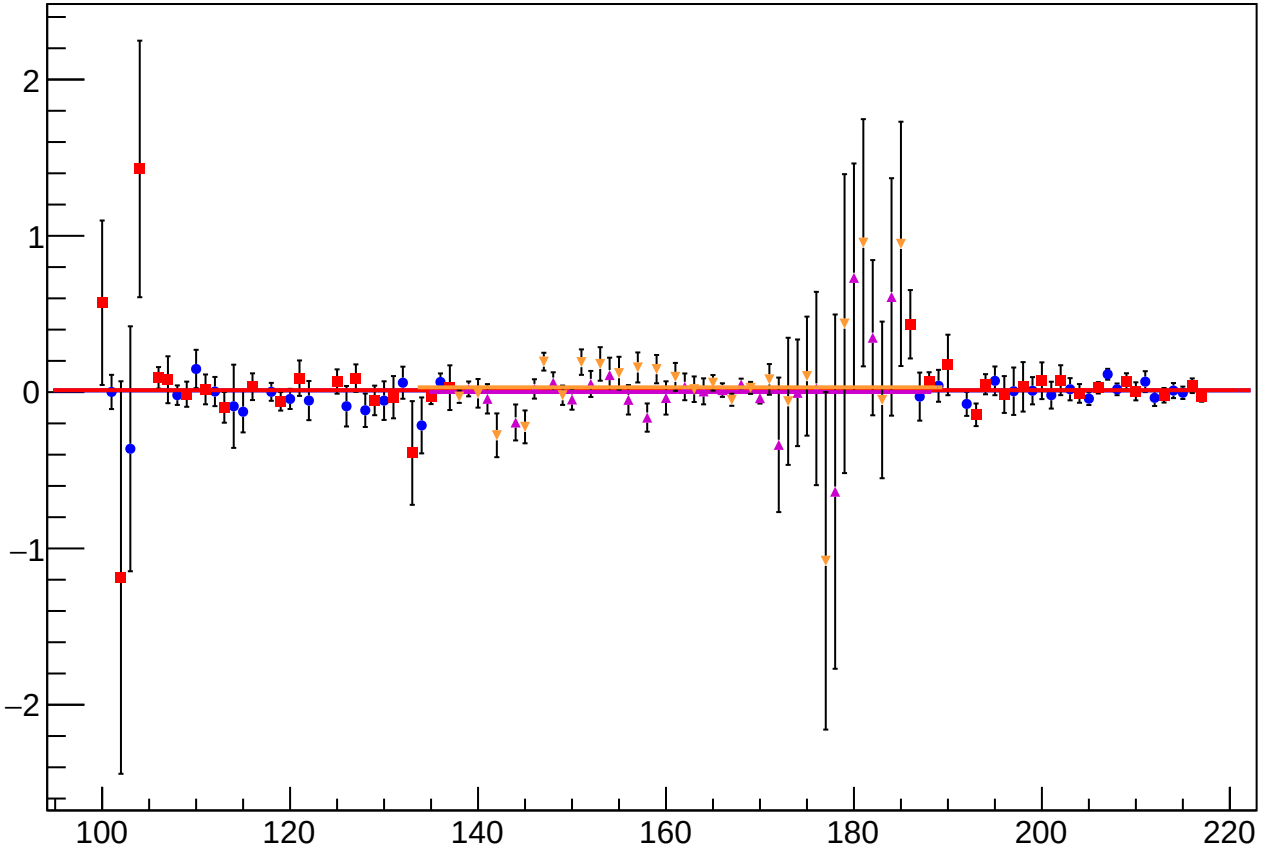
Right: 0.003+/-0.000 χ^2/NDF: 30929710.2/64

In: 0.004+/-0.000 χ^2/NDF:22236139.2/53

Out: 0.004+/-0.000 χ^2/NDF:27838021.3/57

All: 0.004+/-0.000 χ^2/NDF: 50249727.8/111

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: 0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

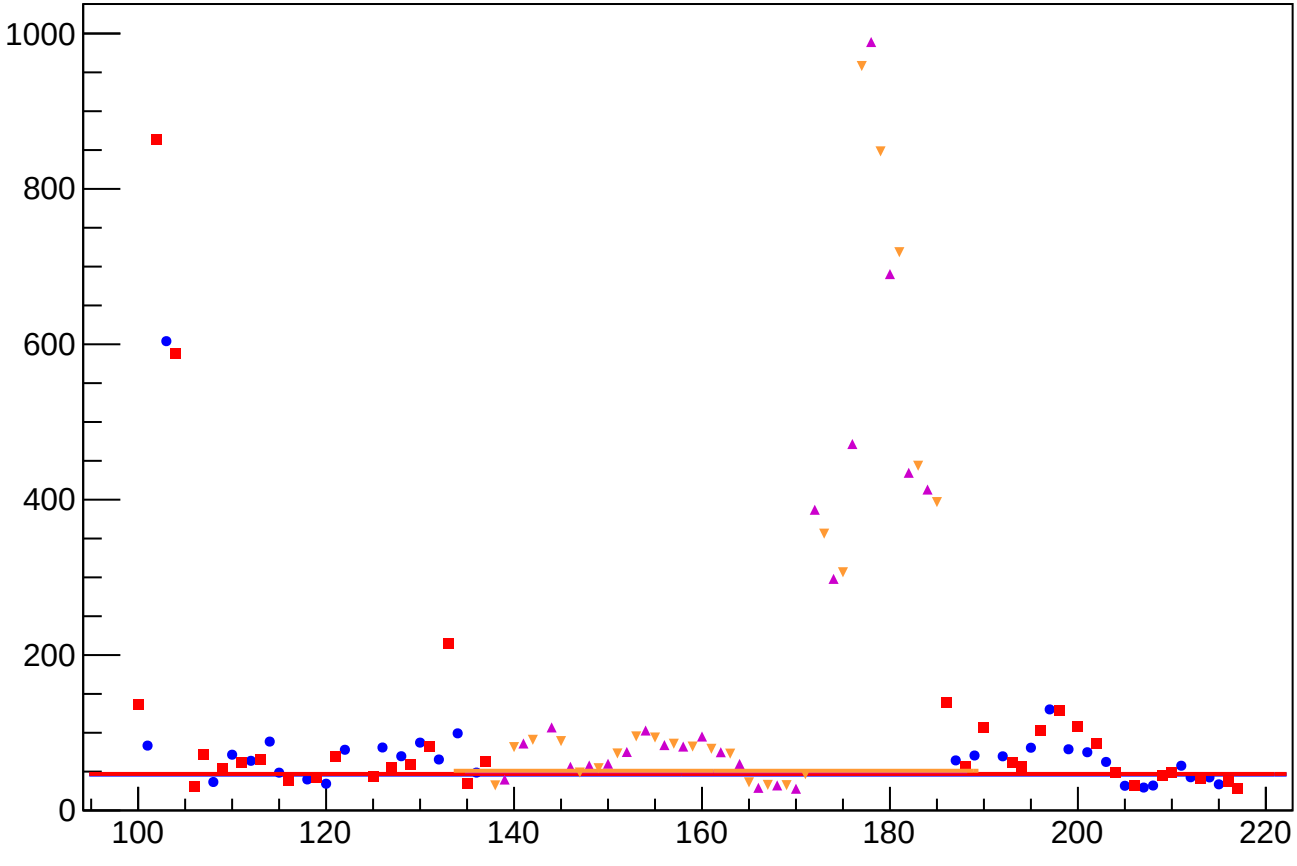
Right: 0.012+/-0.009 χ^2/NDF: 51.6/64

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.020+/-0.010 χ^2/NDF:70.7/57

All: 0.013+/-0.007 χ^2/NDF: 111.1/111

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: 47.009+/-0.009 χ^2/NDF: 6600884.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

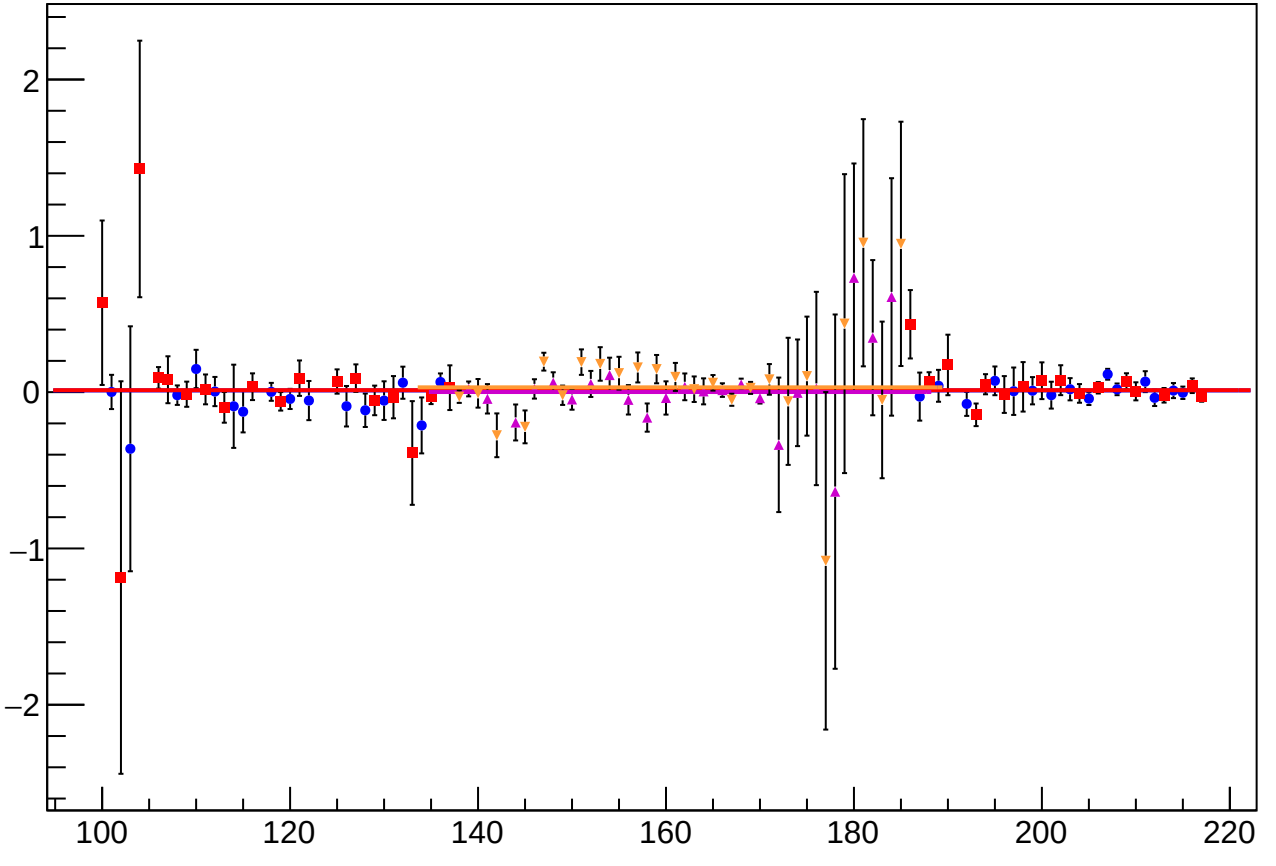
Right: 46.583+/-0.006 χ^2/NDF: 12154033.2/64

In: 47.775+/-0.007 χ^2/NDF:17831011.2/53

Out: 48.608+/-0.007 χ^2/NDF:18420950.2/57

All: 48.187+/-0.005 χ^2/NDF: 36259426.1/111

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: 0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

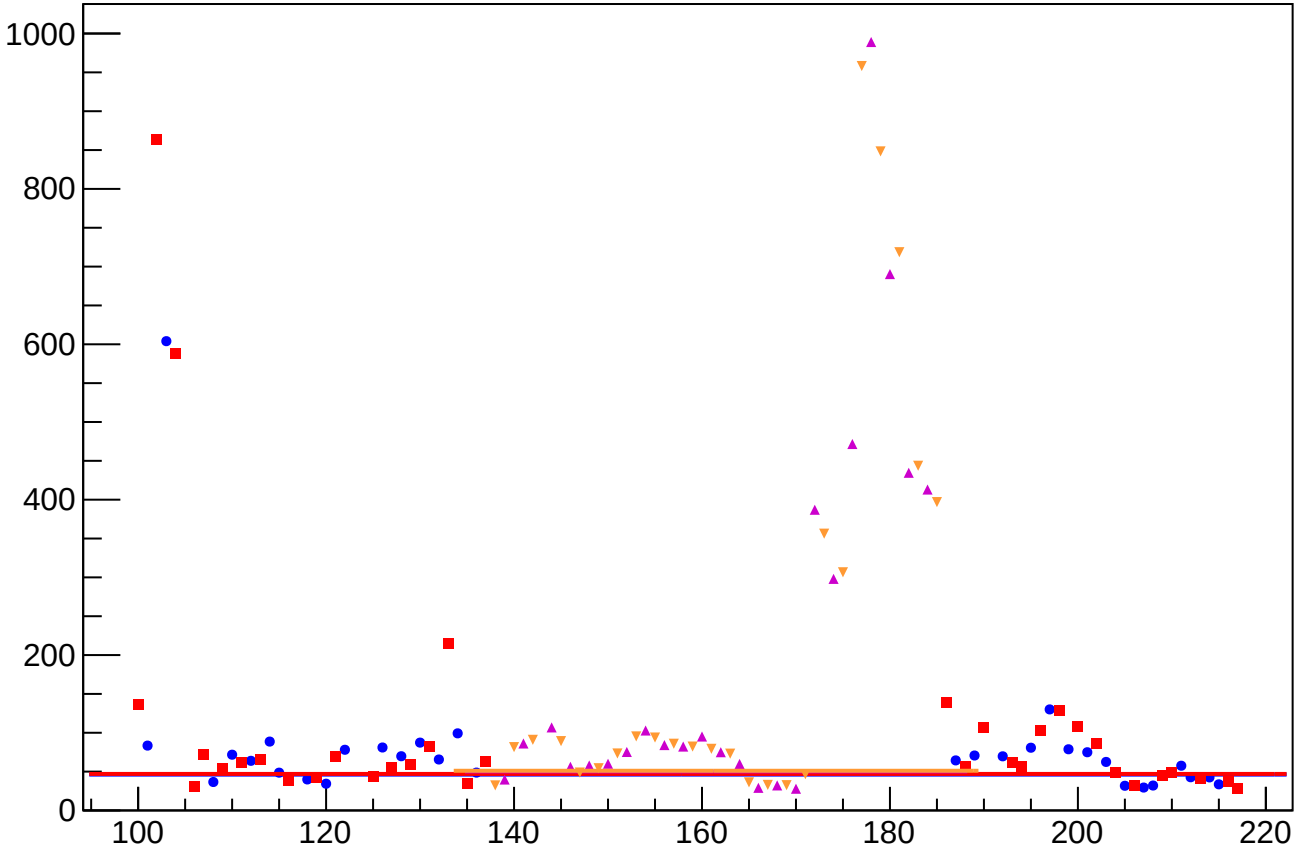
Right: 0.012+/-0.009 χ^2/NDF: 51.6/64

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.020+/-0.010 χ^2/NDF:70.7/57

All: 0.013+/-0.007 χ^2/NDF: 111.1/111

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: 47.009+/-0.009 χ^2/NDF: 6600884.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

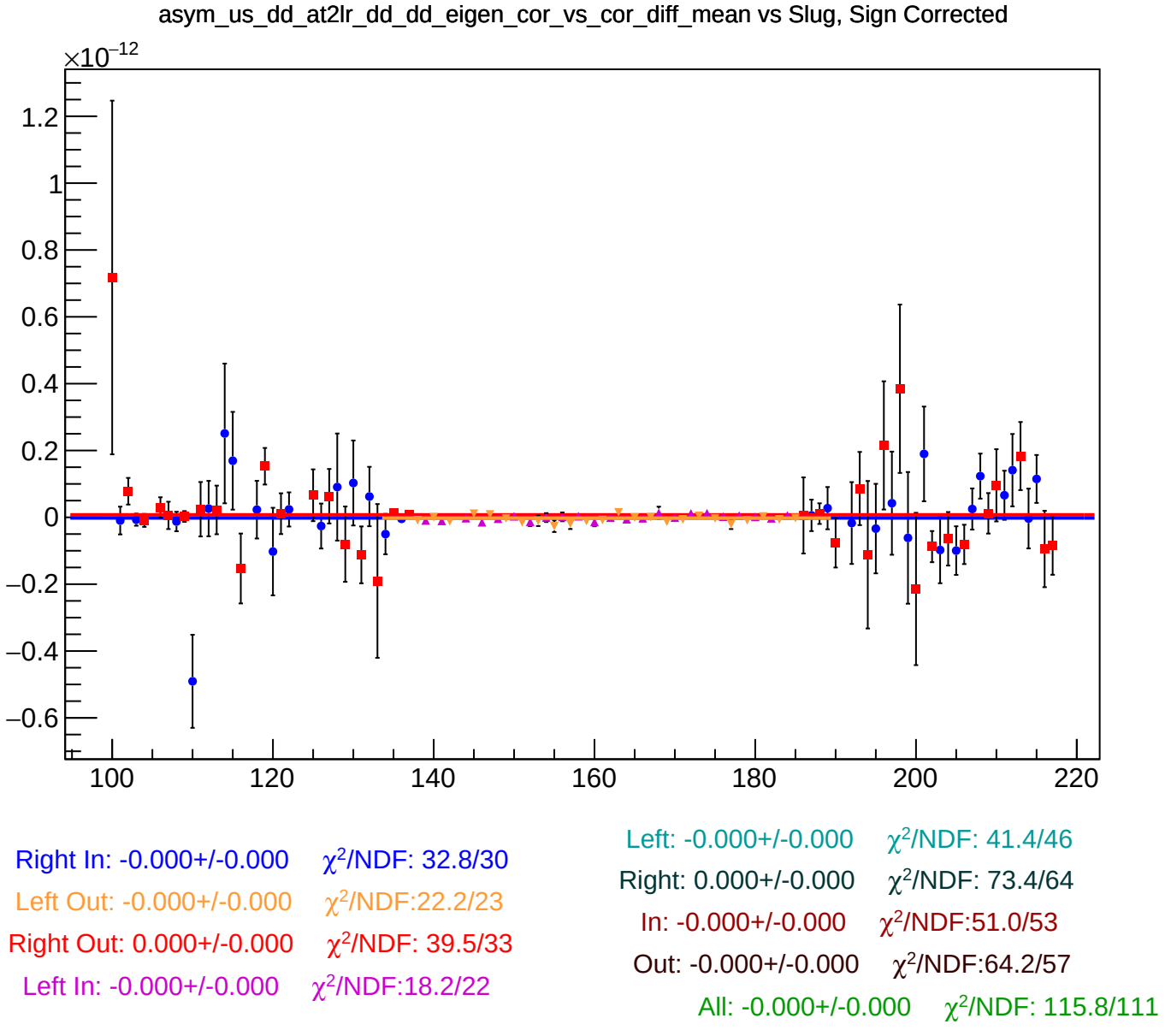
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

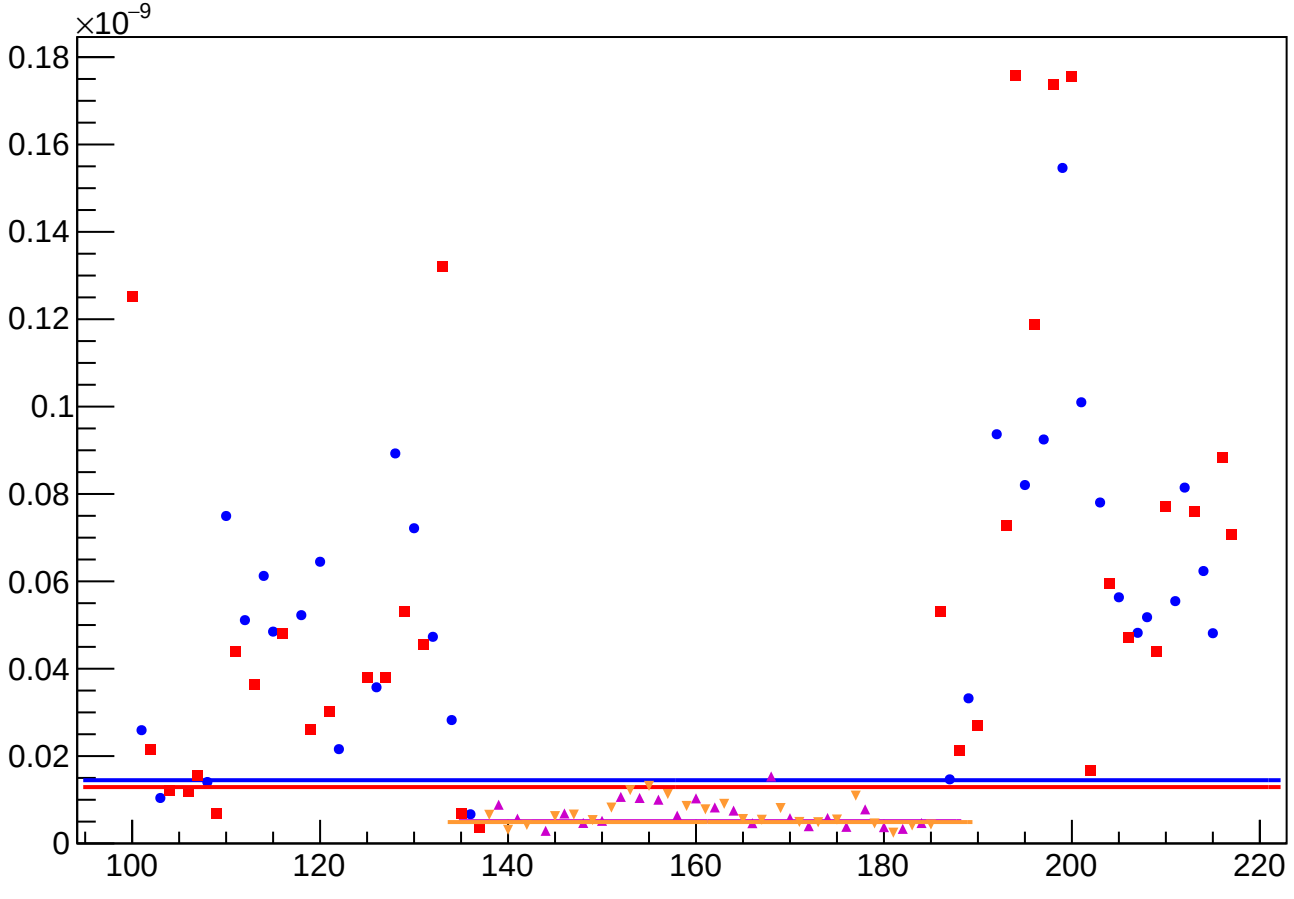
Right: 46.583+/-0.006 χ^2/NDF: 12154033.2/64

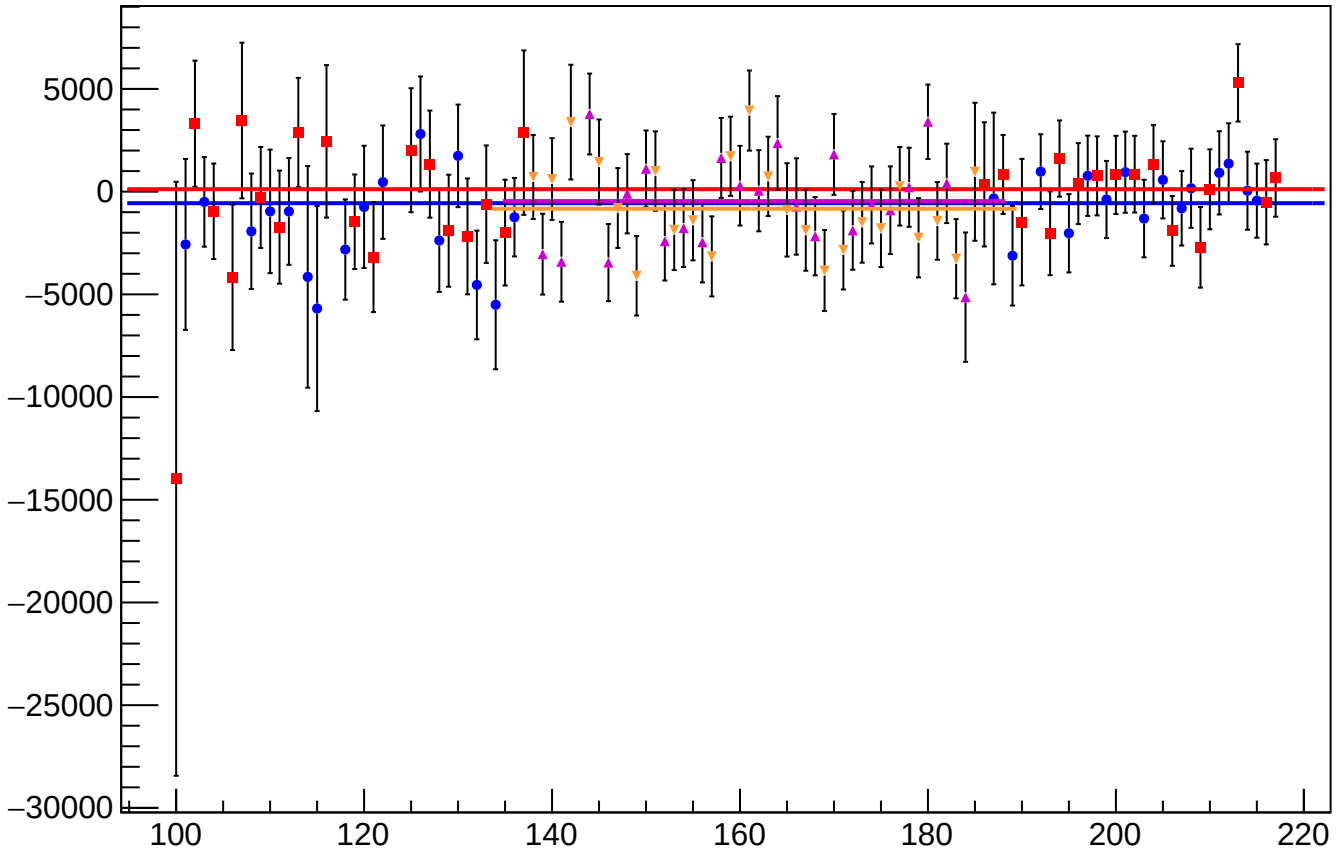
In: 47.775+/-0.007 χ^2/NDF:17831011.2/53

Out: 48.608+/-0.007 χ^2/NDF:18420950.2/57

All: 48.187+/-0.005 χ^2/NDF: 36259426.1/111


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: 39.5/33
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: 73.4/64
In: -0.000+/-0.000 χ²/NDF:51.0/53
Out: -0.000+/-0.000 χ²/NDF:64.2/57
All: -0.000+/-0.000 χ²/NDF: 115.8/111


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 14076876.0/30
Left Out: 0.000+/-0.000 χ²/NDF:4312108.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 14303464.2/33
Left In: 0.000+/-0.000 χ²/NDF:3777059.0/22
Left: 0.000+/-0.000 χ²/NDF: 8107483.0/46
Right: 0.000+/-0.000 χ²/NDF: 28443059.2/64
In: 0.000+/-0.000 χ²/NDF:21791497.3/53
Out: 0.000+/-0.000 χ²/NDF:21879225.5/57
All: 0.000+/-0.000 χ²/NDF: 43700295.7/111



Right In: -561.496+/-410.374 χ^2/NDF: 16.5/30

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 120.794+/-401.908 χ^2/NDF: 25.7/33

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

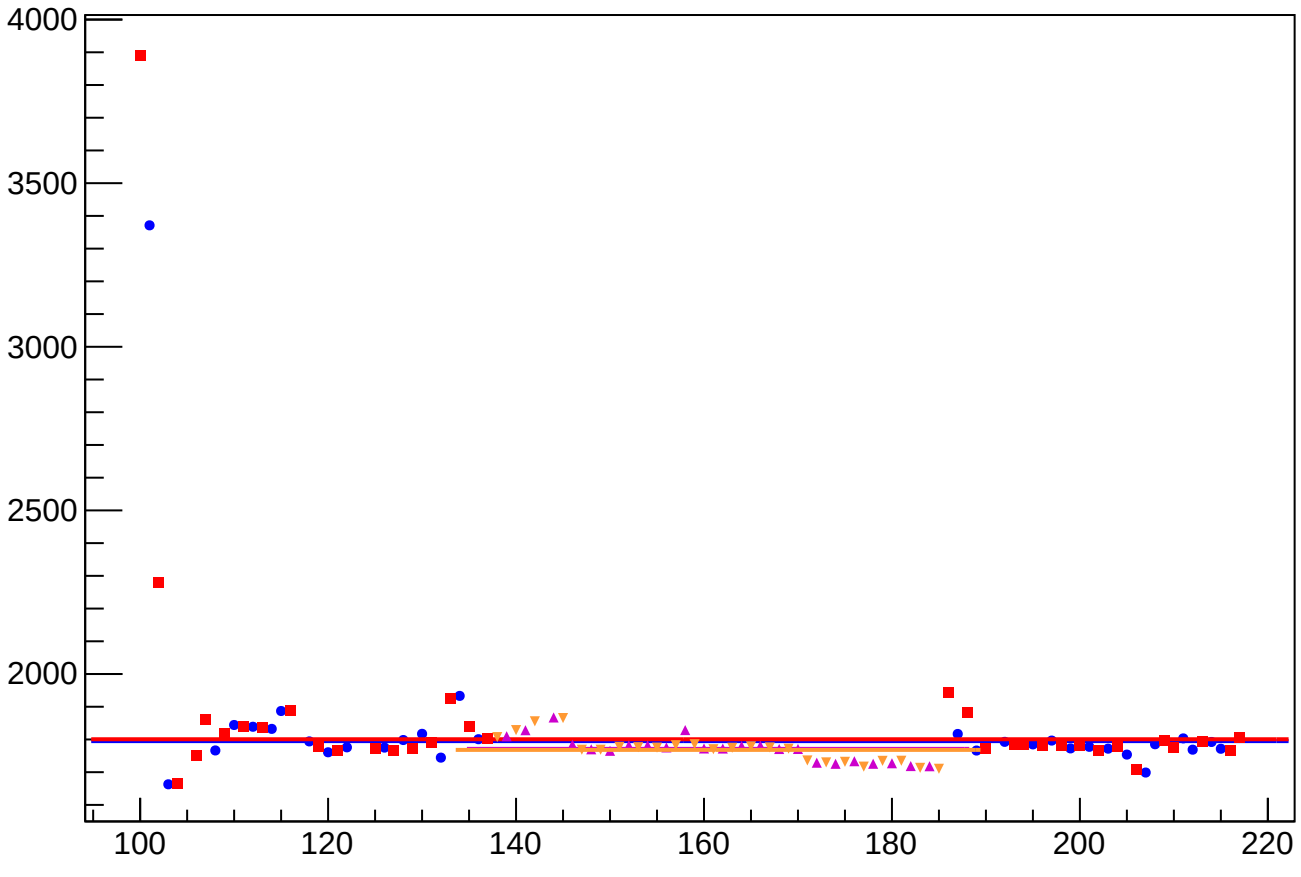
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -213.240+/-287.138 χ^2/NDF: 43.6/64

In: -510.949+/-291.325 χ^2/NDF:43.8/53

Out: -345.873+/-287.163 χ^2/NDF:53.9/57

All: -427.223+/-204.511 χ^2/NDF: 97.8/111



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: 1800.637+/-0.284 χ^2/NDF: 122916.7/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

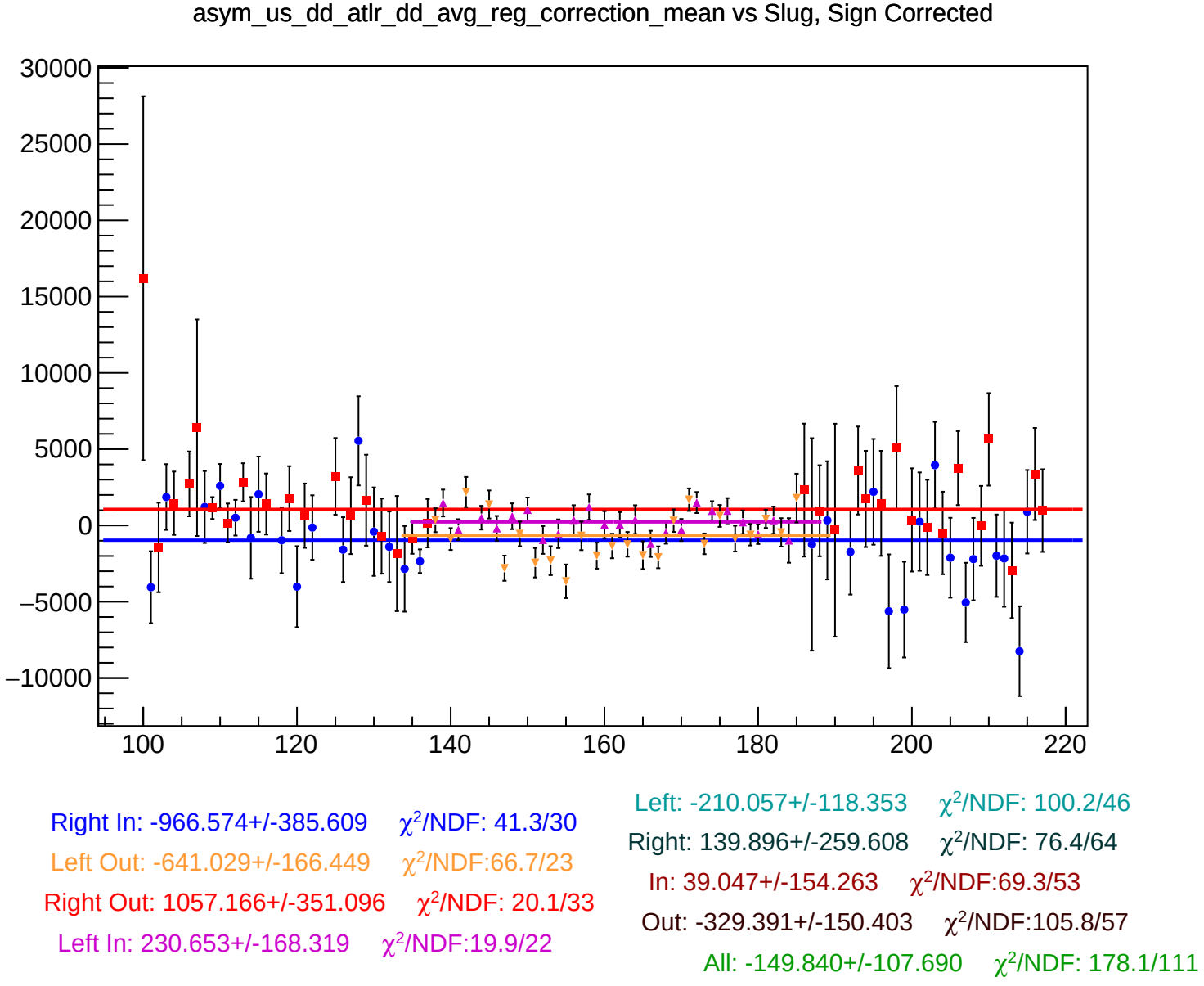
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

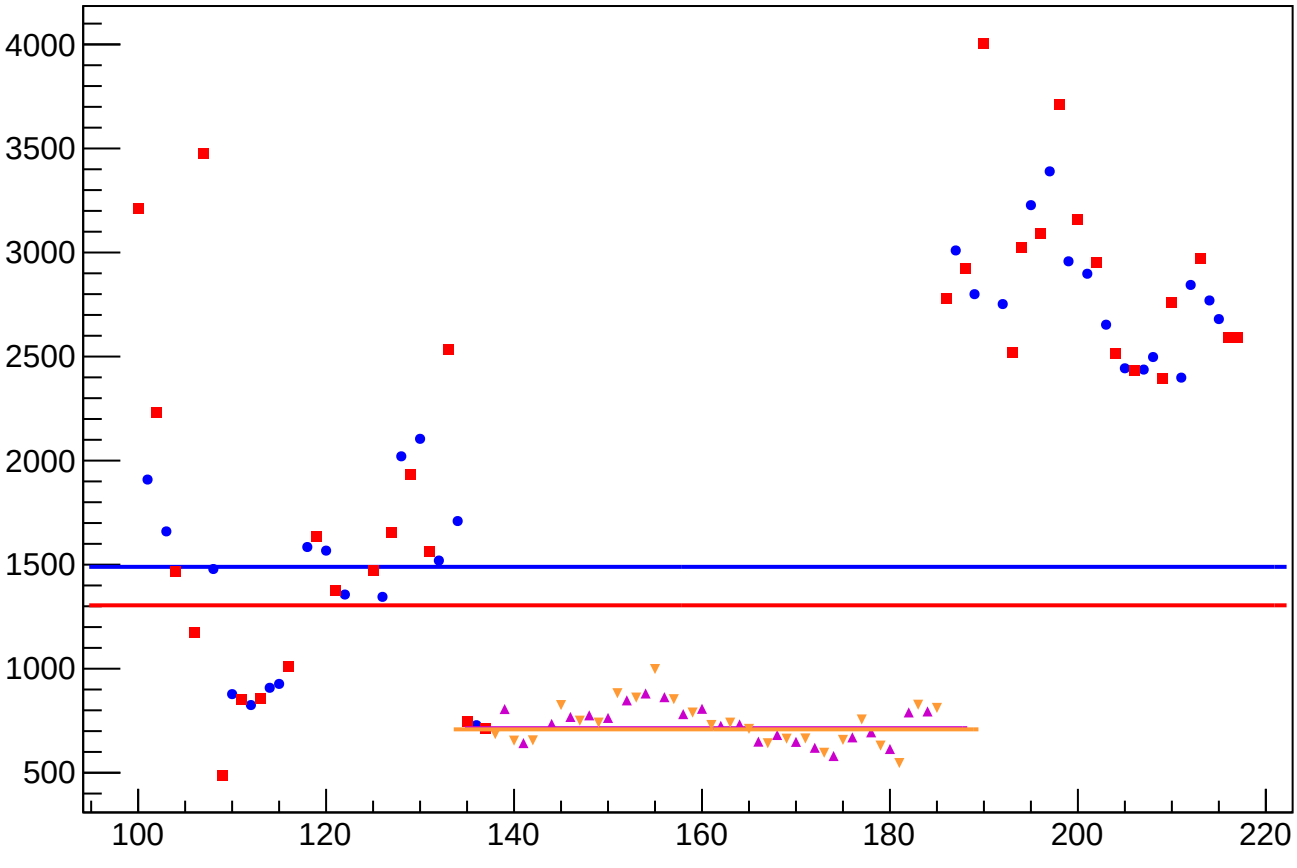
Right: 1797.848+/-0.203 χ^2/NDF: 433124.4/64

In: 1783.172+/-0.206 χ^2/NDF:329751.6/53

Out: 1784.723+/-0.203 χ^2/NDF:145681.2/57

All: 1783.959+/-0.145 χ^2/NDF: 475461.5/111


asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -966.574+/-385.609 χ²/NDF: 41.3/30
Left Out: -641.029+/-166.449 χ²/NDF:66.7/23
Right Out: 1057.166+/-351.096 χ²/NDF: 20.1/33
Left In: 230.653+/-168.319 χ²/NDF:19.9/22
Left: -210.057+/-118.353 χ²/NDF: 100.2/46
Right: 139.896+/-259.608 χ²/NDF: 76.4/64
In: 39.047+/-154.263 χ²/NDF:69.3/53
Out: -329.391+/-150.403 χ²/NDF:105.8/57
All: -149.840+/-107.690 χ²/NDF: 178.1/111



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: 1304.570+/-0.248 χ^2/NDF: 12363948.7/33

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

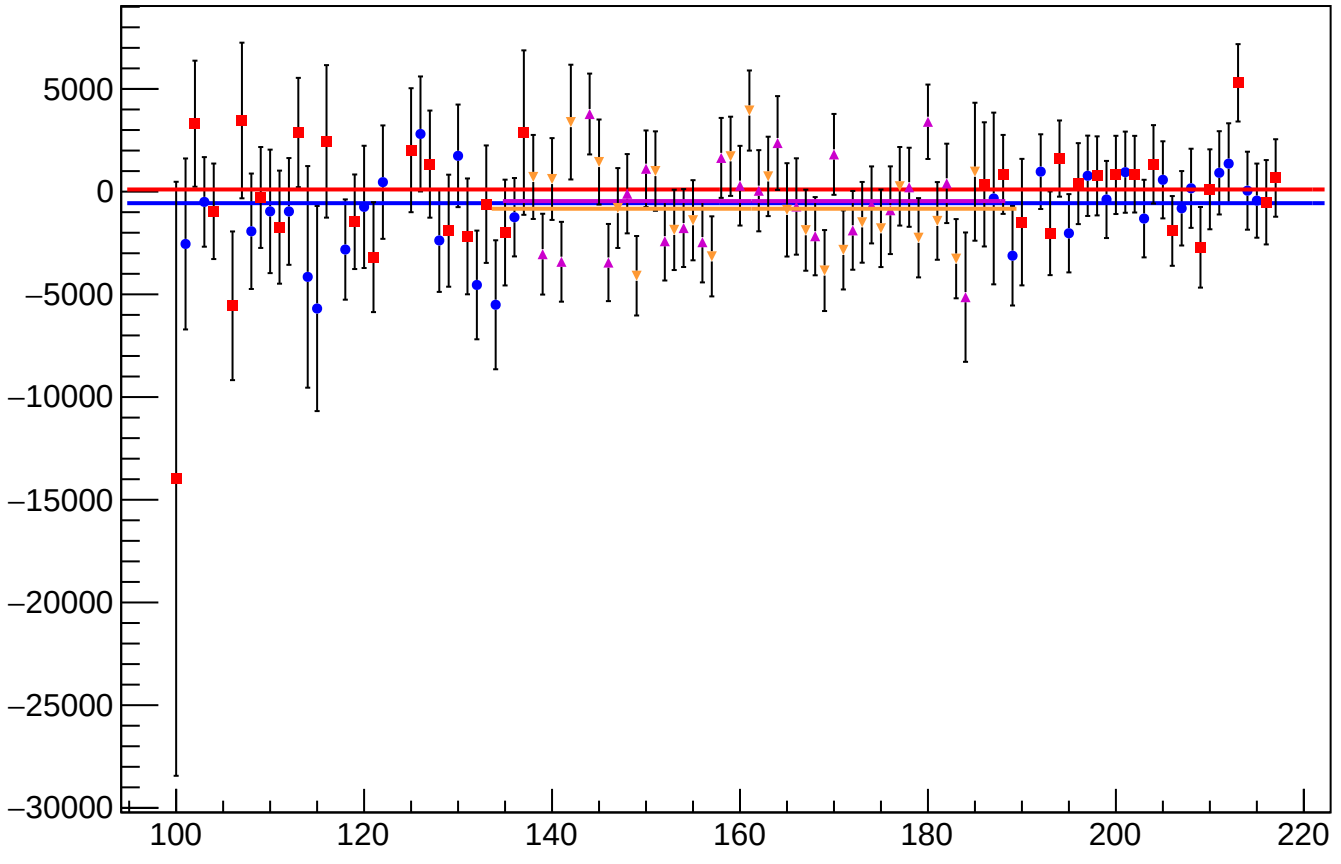
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1388.355+/-0.184 χ^2/NDF: 21092844.7/64

In: 838.235+/-0.109 χ^2/NDF:15765158.7/53

Out: 817.888+/-0.106 χ^2/NDF:17771162.2/57

All: 827.804+/-0.076 χ^2/NDF: 33554160.3/11



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: 105.906+/-402.013 χ^2/NDF: 26.7/33

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

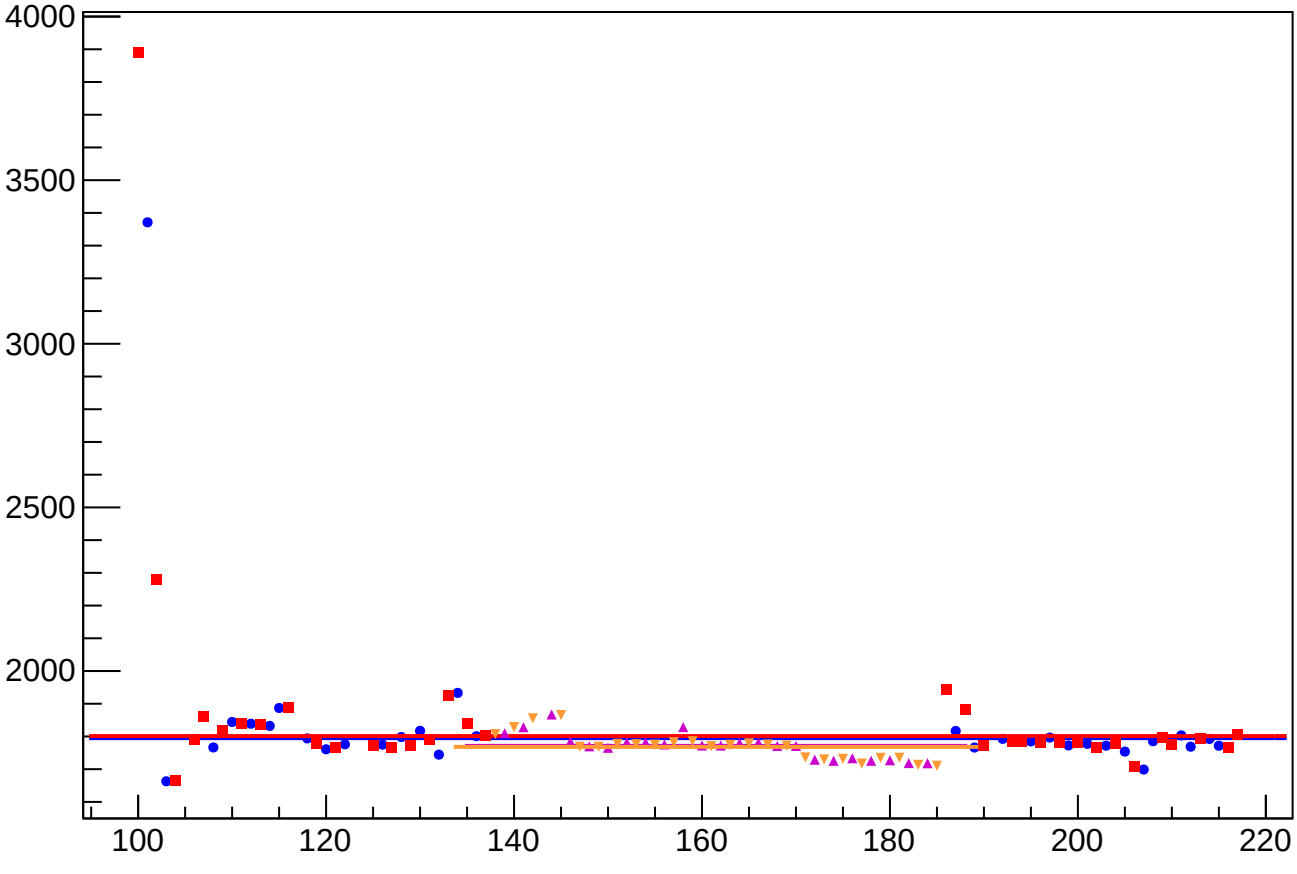
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -220.820+/-287.177 χ^2/NDF: 44.5/64

In: -510.819+/-291.325 χ^2/NDF:43.7/53

Out: -353.544+/-287.202 χ^2/NDF:54.8/57

All: -431.061+/-204.525 χ^2/NDF: 98.7/111



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: 1801.168+/-0.284 χ^2/NDF: 122527.6/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

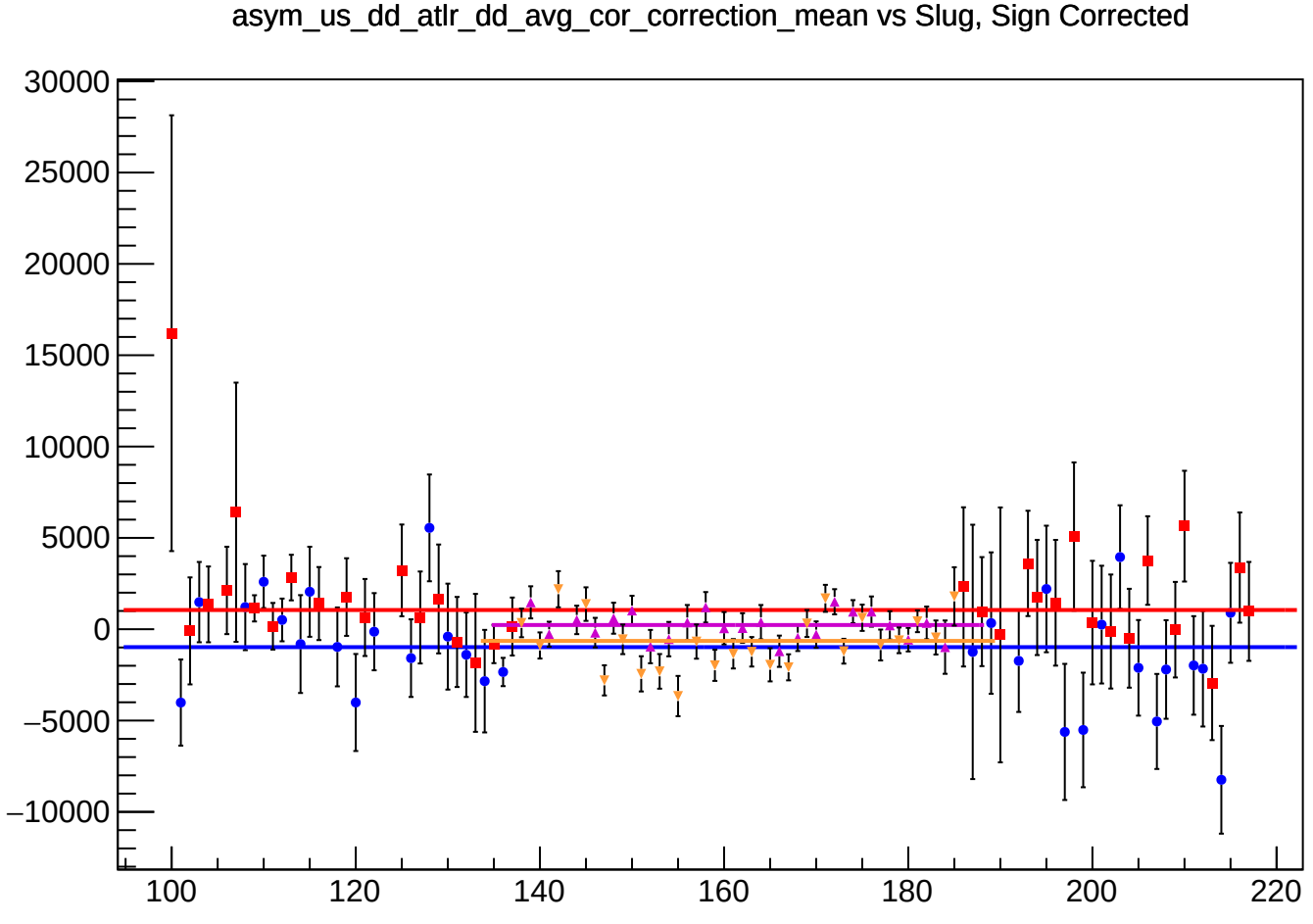
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1798.118+/-0.203 χ^2/NDF: 432775.5/64

In: 1783.172+/-0.206 χ^2/NDF:329753.4/53

Out: 1784.990+/-0.203 χ^2/NDF:145501.3/57

All: 1784.094+/-0.145 χ^2/NDF: 475294.2/111



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: 1050.944+/-352.085 χ^2/NDF: 19.0/33

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

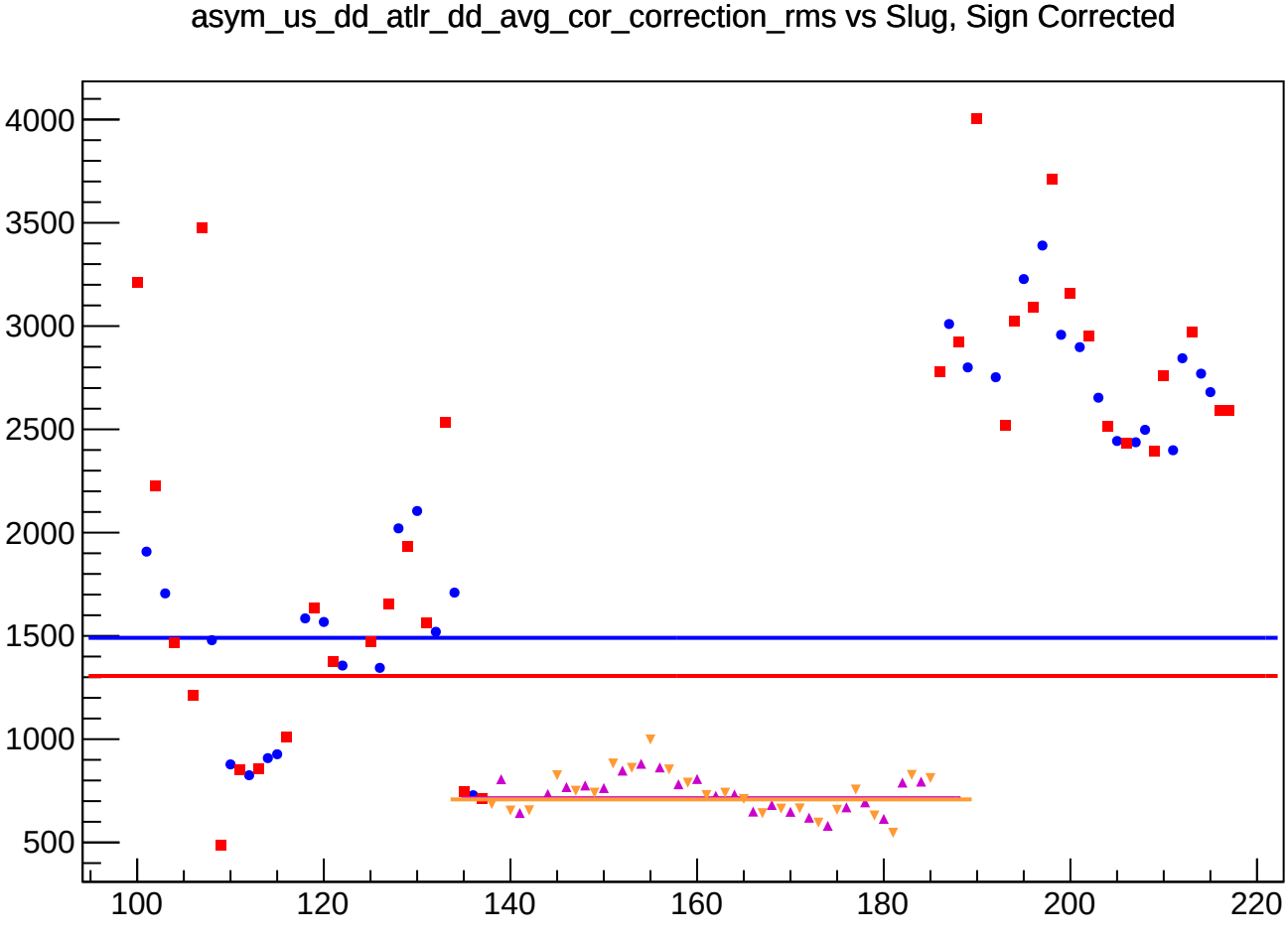
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 127.695+/-260.082 χ^2/NDF: 74.9/64

In: 36.851+/-154.280 χ^2/NDF:69.0/53

Out: -331.933+/-150.481 χ^2/NDF:104.6/57

All: -152.137+/-107.724 χ^2/NDF: 176.5/111



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: 1306.109+/-0.249 χ^2/NDF: 12358396.7/33

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

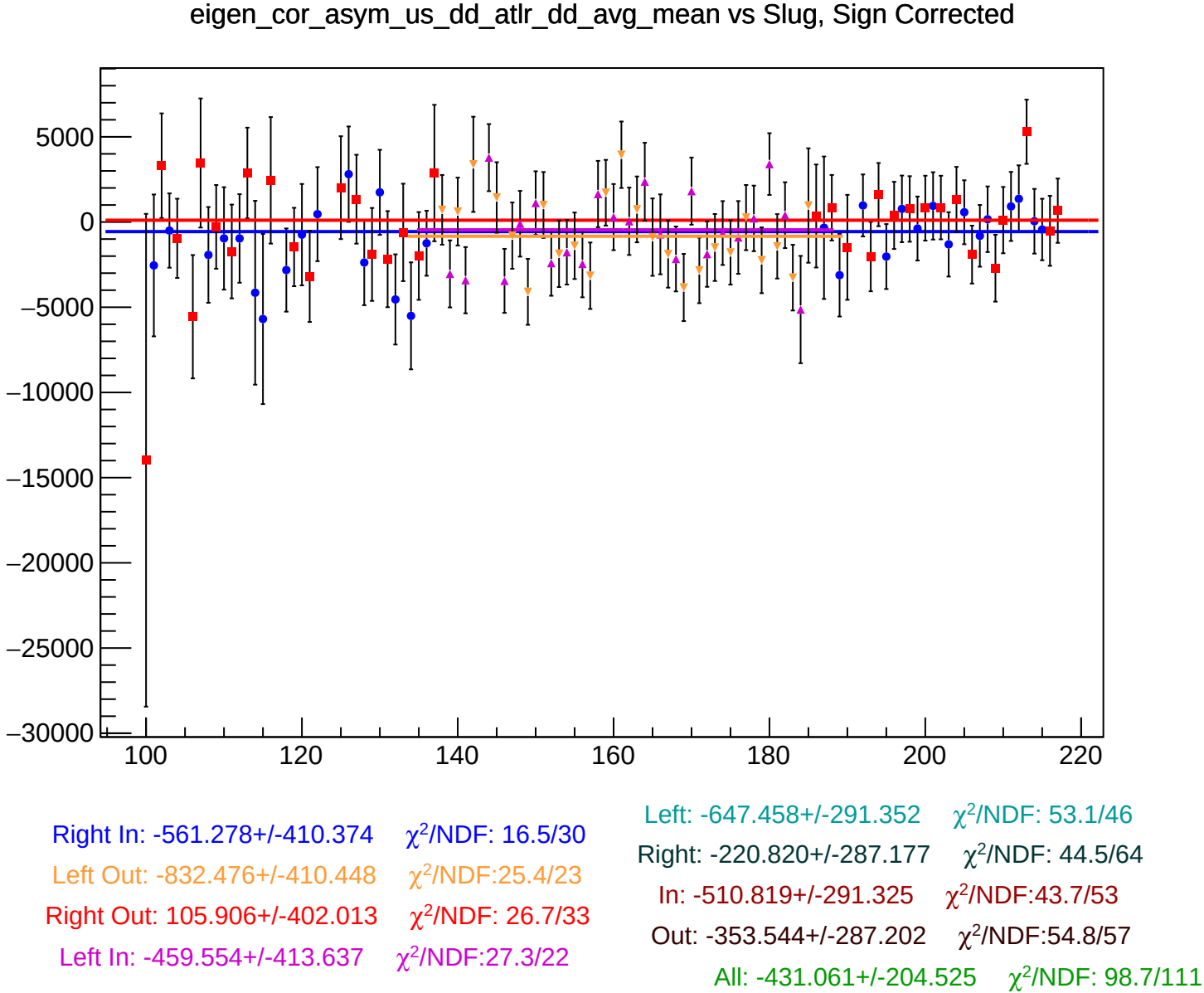
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

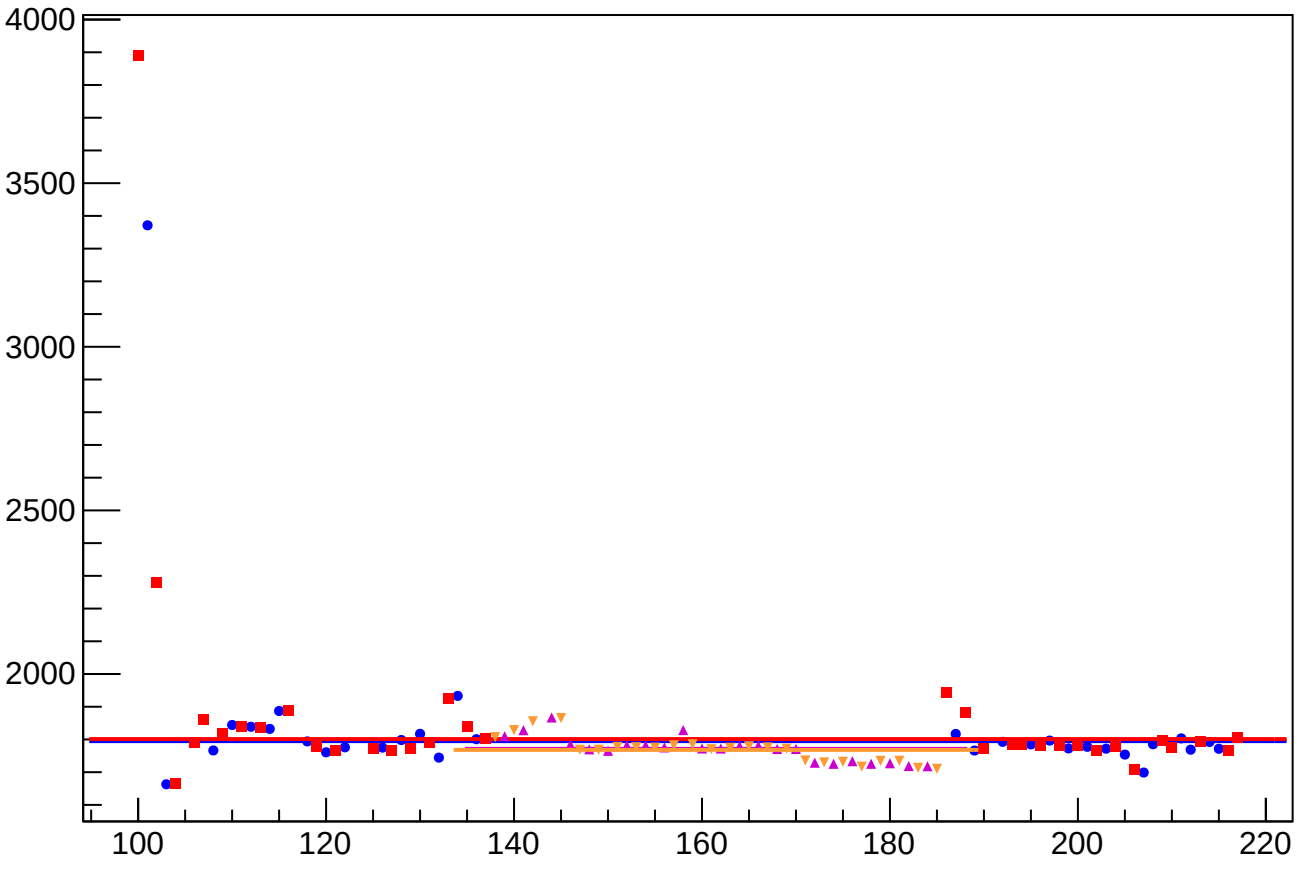
Right: 1389.935+/-0.184 χ^2/NDF: 21092038.3/64

In: 838.300+/-0.109 χ^2/NDF:15785143.2/53

Out: 817.673+/-0.106 χ^2/NDF:17768113.2/57

All: 827.729+/-0.076 χ^2/NDF: 33571576.8/1


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
220
Right In: -561.278+/-410.374 χ²/NDF: 16.5/30
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: 105.906+/-402.013 χ²/NDF: 26.7/33
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -220.820+/-287.177 χ²/NDF: 44.5/64
In: -510.819+/-291.325 χ²/NDF:43.7/53
Out: -353.544+/-287.202 χ²/NDF:54.8/57
All: -431.061+/-204.525 χ²/NDF: 98.7/111



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: 1801.168+/-0.284 χ^2/NDF: 122527.6/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

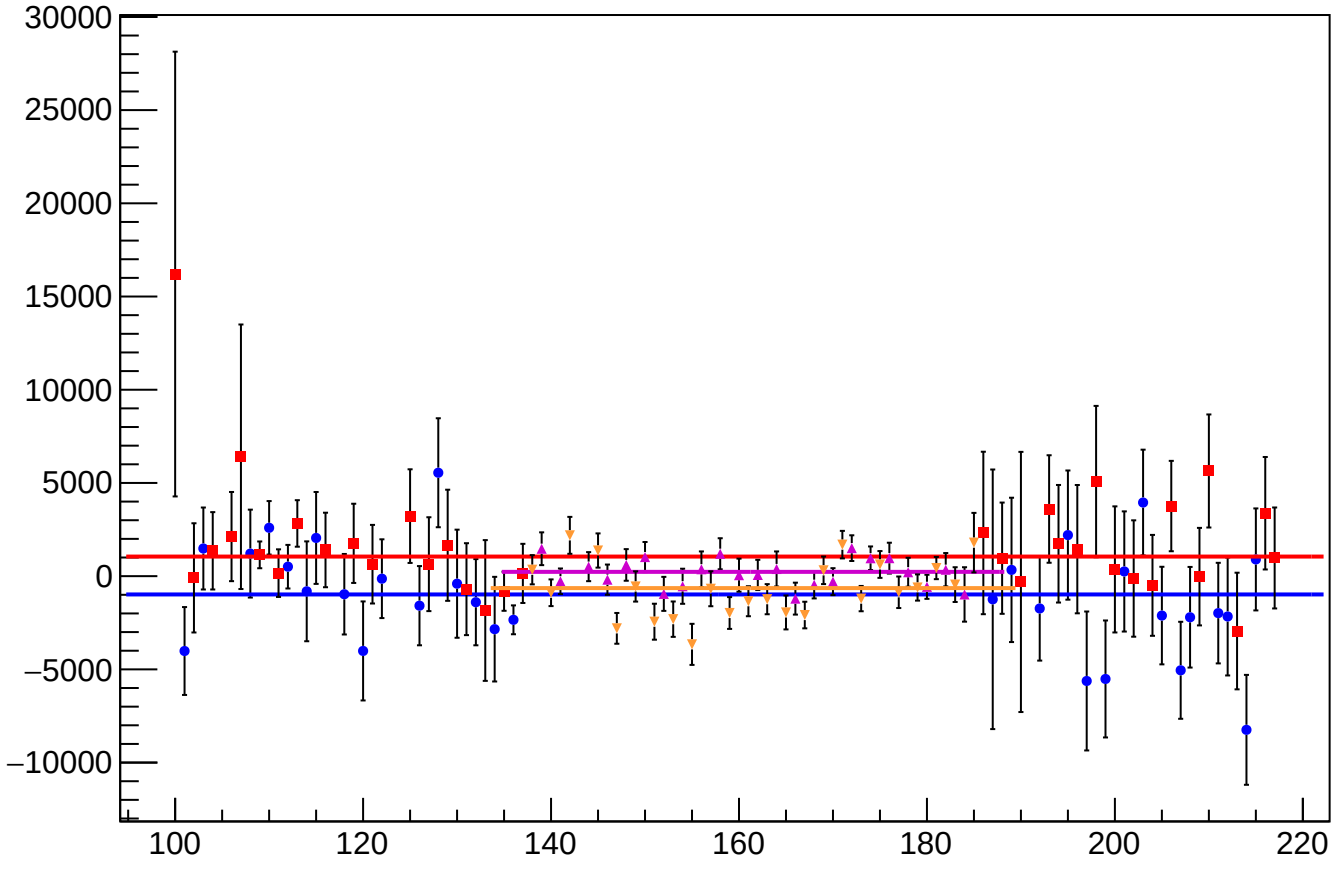
Right: 1798.118+/-0.203 χ^2/NDF: 432775.5/64

In: 1783.172+/-0.206 χ^2/NDF:329753.4/53

Out: 1784.990+/-0.203 χ^2/NDF:145501.3/57

All: 1784.094+/-0.145 χ^2/NDF: 475294.2/111

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: 1050.944+/-352.085 χ^2/NDF: 19.0/33

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

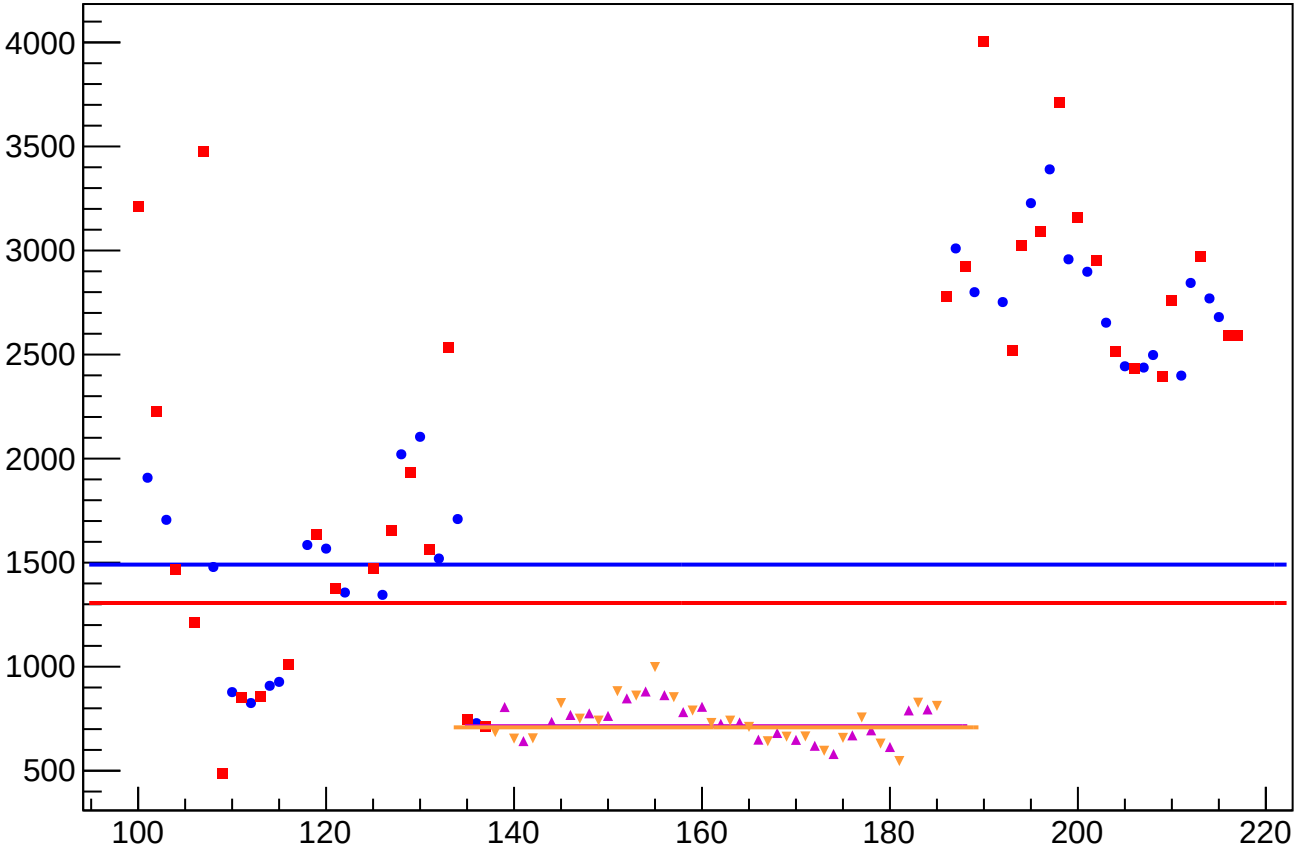
Right: 127.695+/-260.082 χ^2/NDF: 74.9/64

In: 36.851+/-154.280 χ^2/NDF:69.0/53

Out: -331.933+/-150.481 χ^2/NDF:104.6/57

All: -152.137+/-107.724 χ^2/NDF: 176.5/111

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1490.614+/-0.273 χ^2/NDF: 8484109.6/30

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1306.109+/-0.249 χ^2/NDF: 12358396.7/33

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

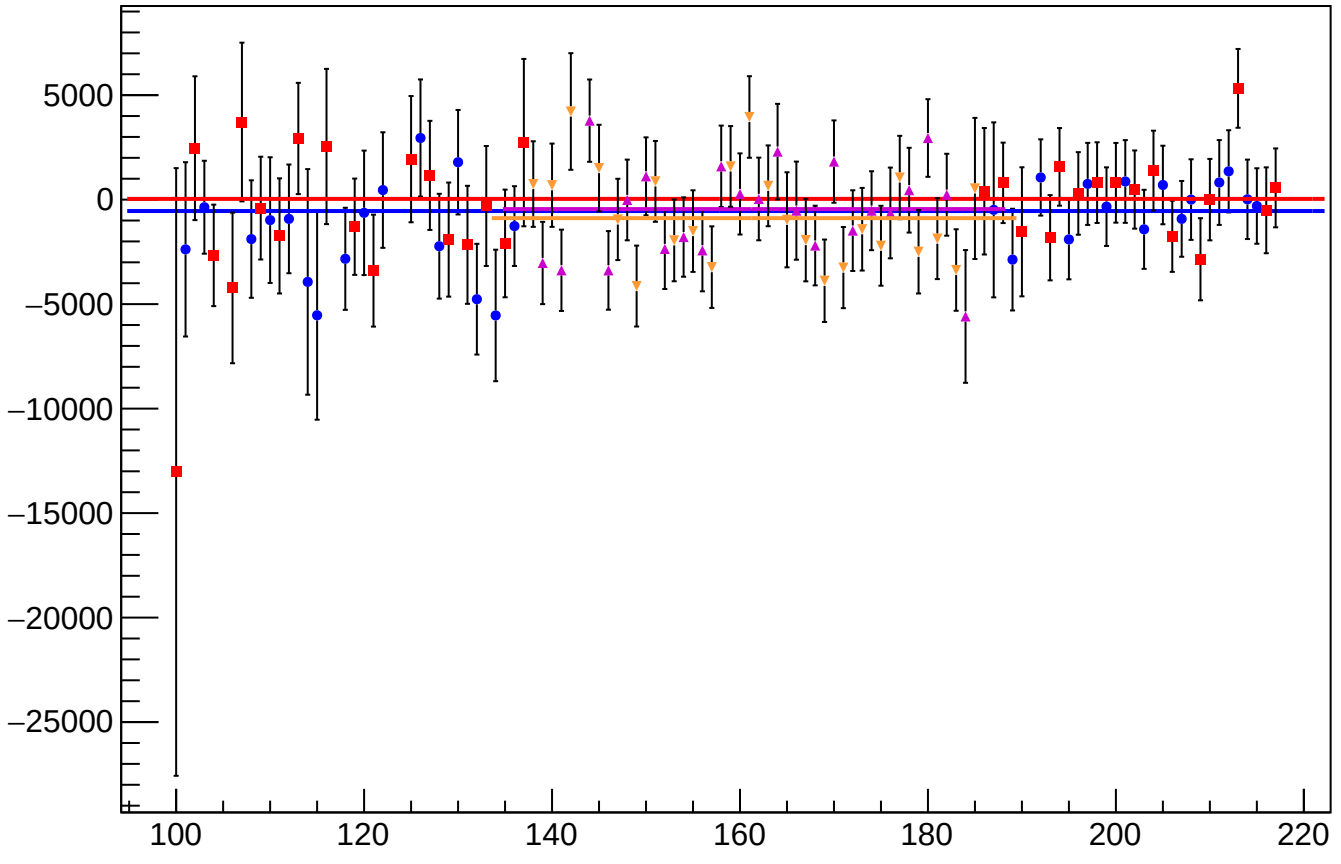
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1389.935+/-0.184 χ^2/NDF: 21092038.3/64

In: 838.300+/-0.109 χ^2/NDF:15785143.2/53

Out: 817.673+/-0.106 χ^2/NDF:17768113.2/57

All: 827.729+/-0.076 χ^2/NDF: 33571576.8/1



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: 36.019+/-403.786 χ^2/NDF: 25.9/33

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

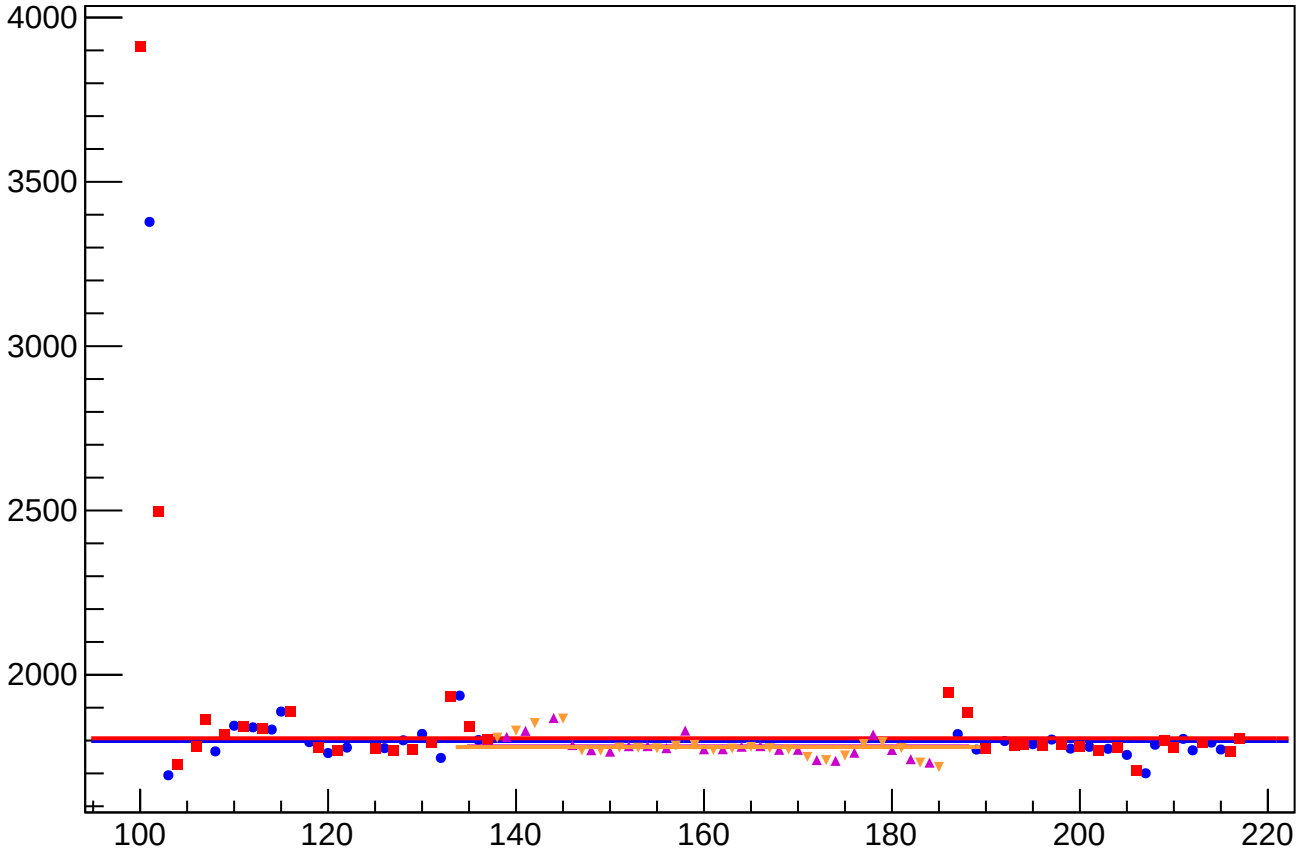
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -249.579+/-288.113 χ^2/NDF: 43.3/64

In: -500.073+/-292.523 χ^2/NDF:42.2/53

Out: -414.510+/-288.800 χ^2/NDF:56.6/57

All: -456.744+/-205.516 χ^2/NDF: 98.8/111



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: 1806.850+/-0.286 χ^2/NDF: 150542.0/33

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

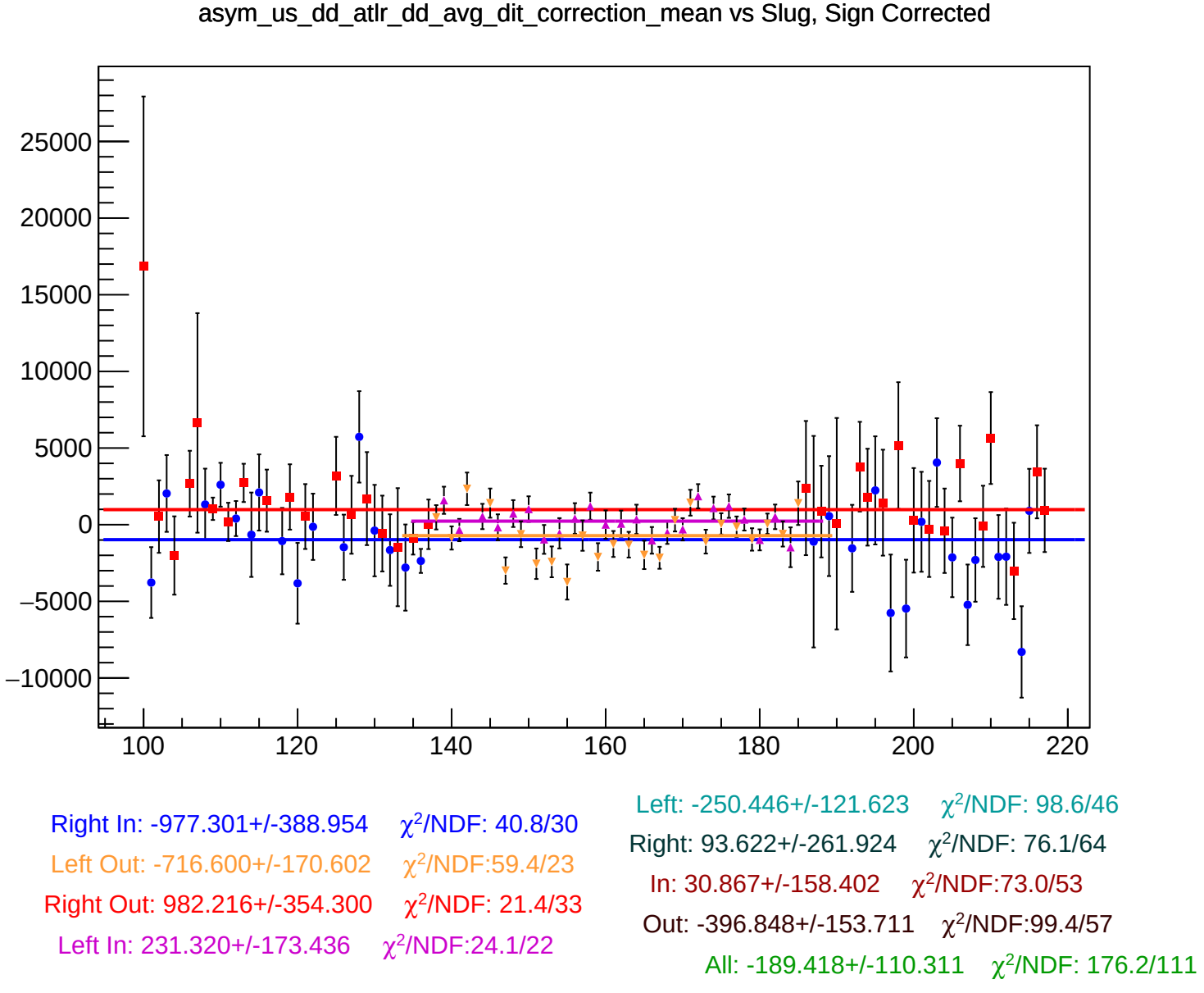
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1802.839+/-0.204 χ^2/NDF: 458411.6/64

In: 1790.587+/-0.207 χ^2/NDF:320267.1/53

Out: 1793.843+/-0.204 χ^2/NDF:165171.1/57

All: 1792.236+/-0.145 χ^2/NDF: 485563.7/111


asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
25000
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−5000
−10000
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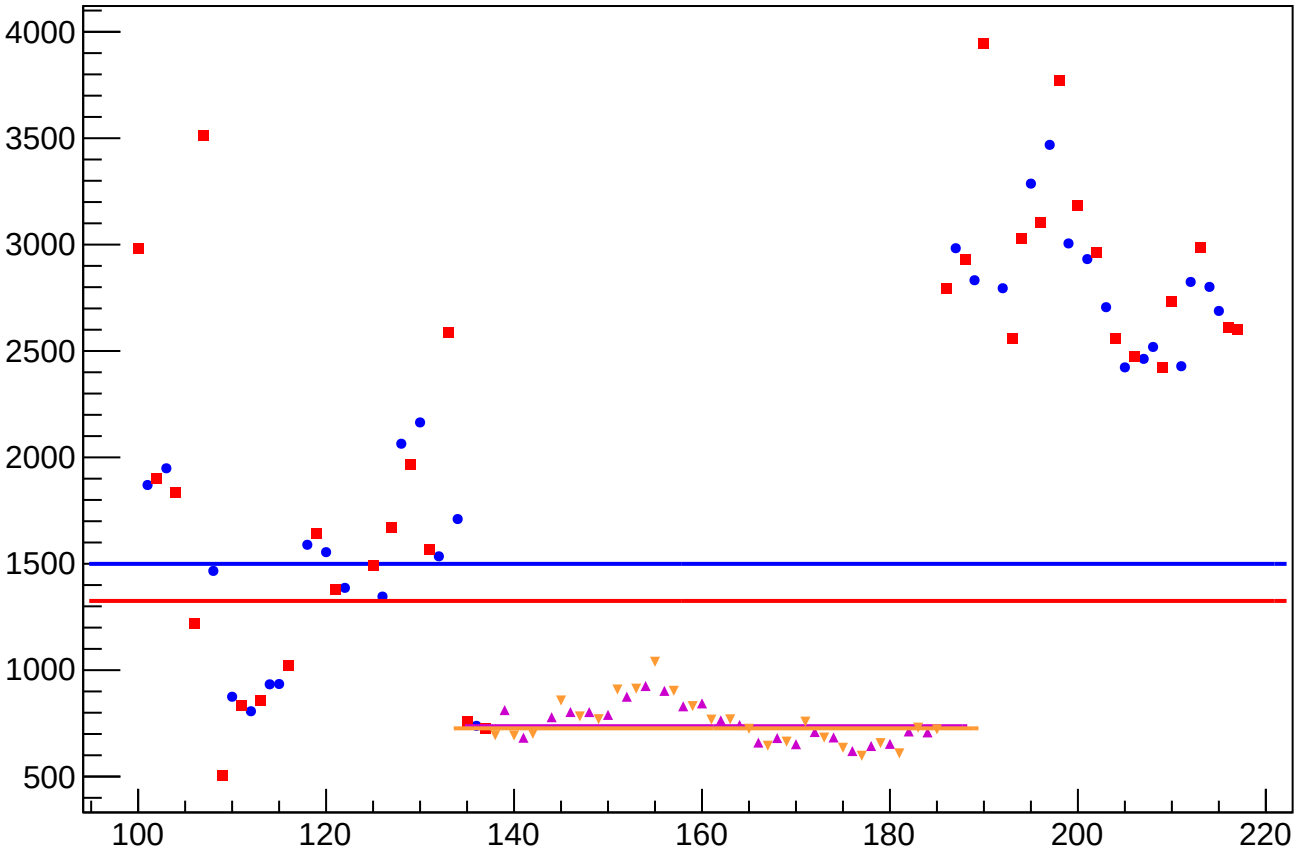
180
200
220
Right In: -977.301+/-388.954 χ²/NDF: 40.8/30
Left Out: -716.600+/-170.602 χ²/NDF:59.4/23
Right Out: 982.216+/-354.300 χ²/NDF: 21.4/33
Left In: 231.320+/-173.436 χ²/NDF:24.1/22
Left: -250.446+/-121.623 χ²/NDF: 98.6/46
Right: 93.622+/-261.924 χ²/NDF: 76.1/64
In: 30.867+/-158.402 χ²/NDF:73.0/53
Out: -396.848+/-153.711 χ²/NDF:99.4/57
All: -189.418+/-110.311 χ²/NDF: 176.2/111



Right In: 1499.587+/-0.275 χ^2/NDF: 8619770.8/30

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1325.407+/-0.251 χ^2/NDF: 12227751.2/33

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

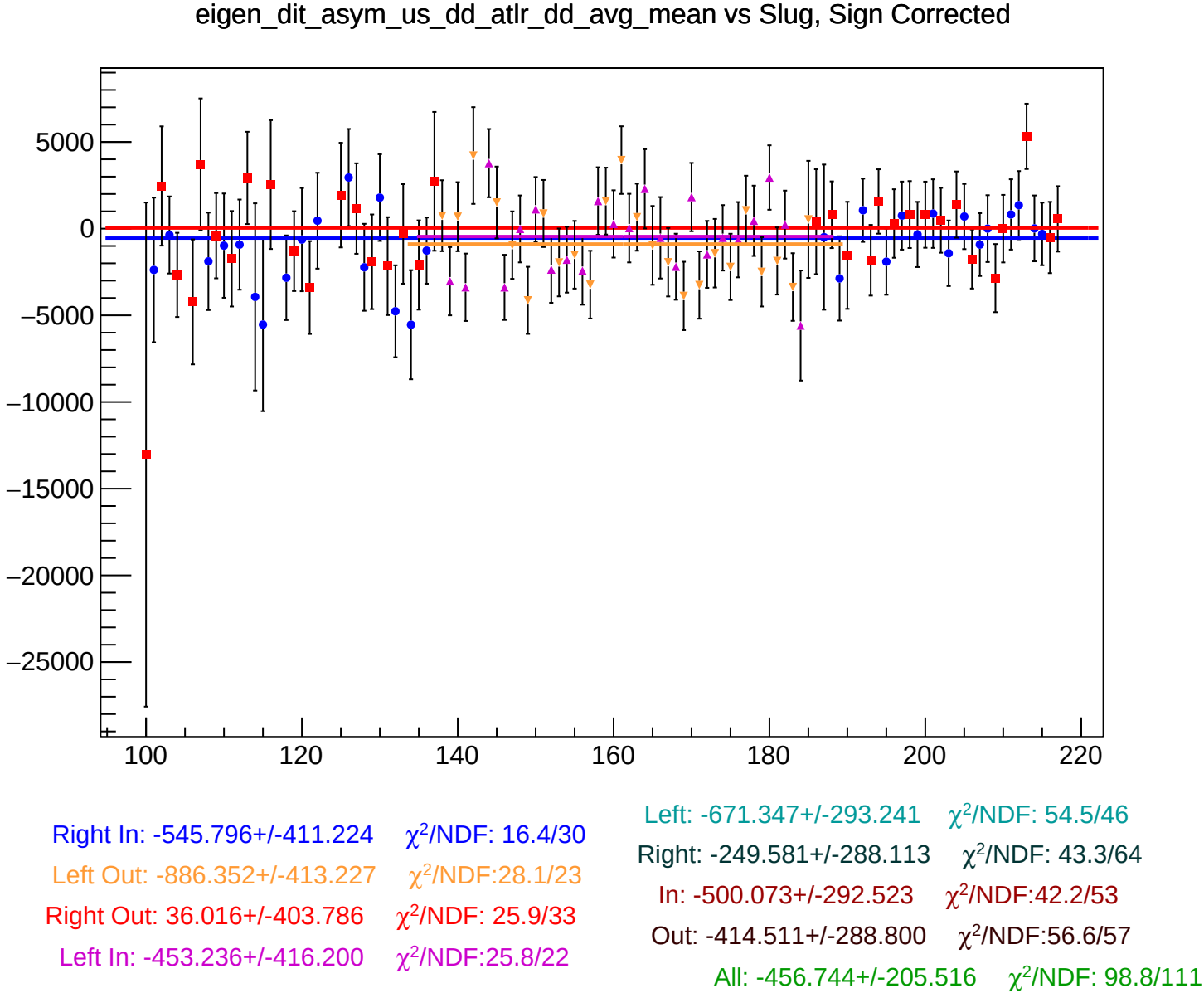
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1404.394+/-0.185 χ^2/NDF: 21066720.1/64

In: 863.235+/-0.112 χ^2/NDF:15502599.3/53

Out: 839.311+/-0.109 χ^2/NDF:17550134.7/57

All: 850.913+/-0.078 χ^2/NDF: 33076229.8/1


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−10000
−15000
−20000
−25000
100
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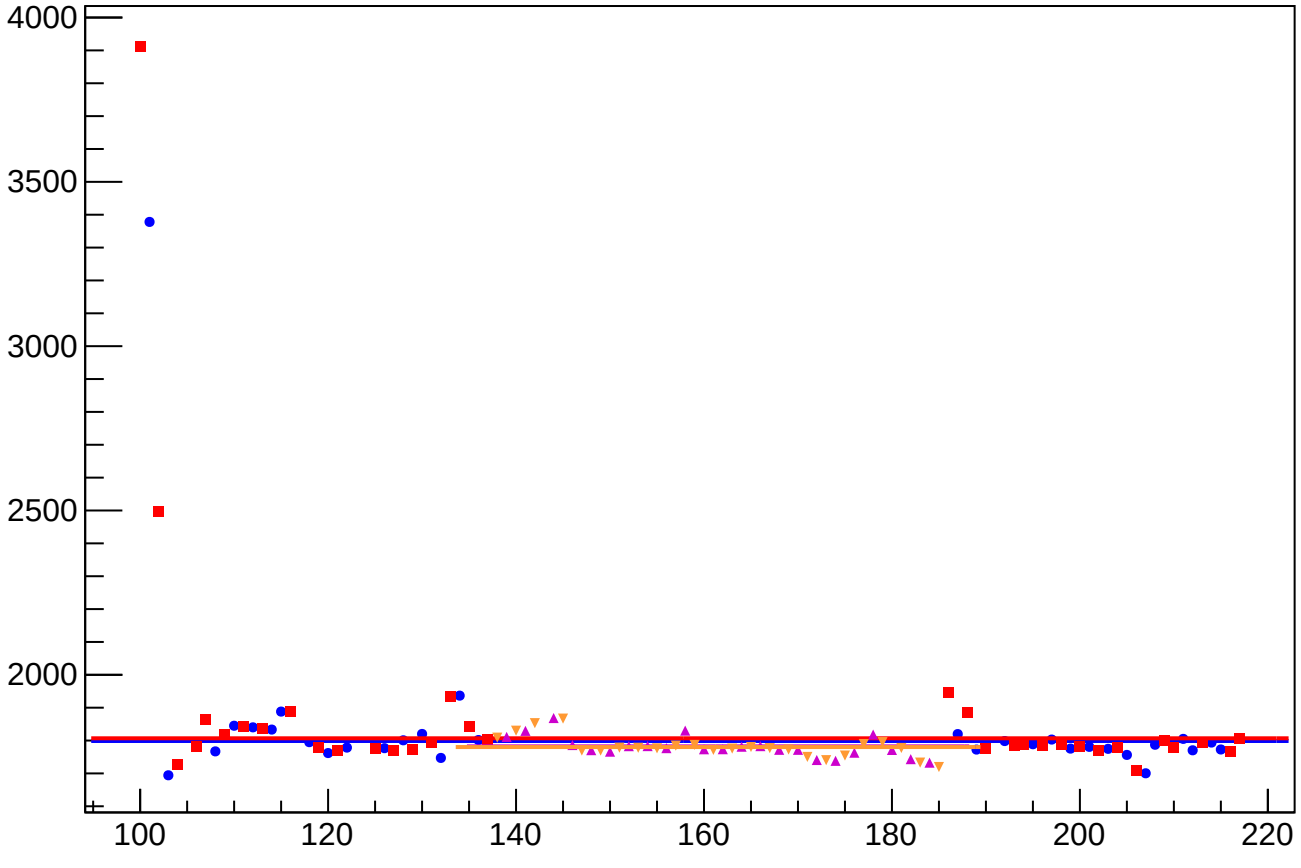
140
160
180
200
220
Right In: -545.796+/-411.224 χ²/NDF: 16.4/30
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: 36.016+/-403.786 χ²/NDF: 25.9/33
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -249.581+/-288.113 χ²/NDF: 43.3/64
In: -500.073+/-292.523 χ²/NDF:42.2/53
Out: -414.511+/-288.800 χ²/NDF:56.6/57
All: -456.744+/-205.516 χ²/NDF: 98.8/111



Right In: 1798.678+/-0.291 χ^2/NDF: 307467.4/30

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1806.850+/-0.286 χ^2/NDF: 150542.1/33

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

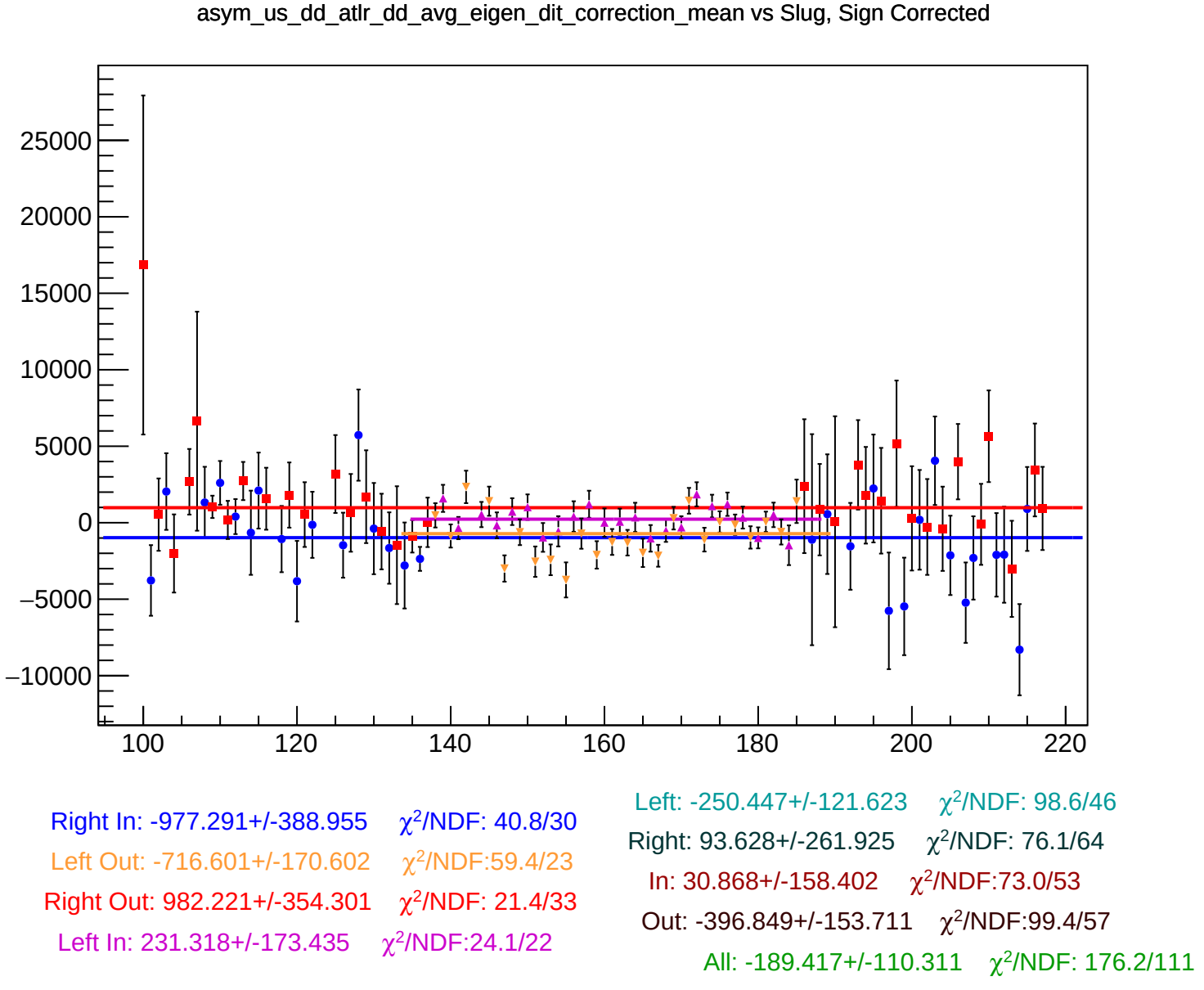
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1802.839+/-0.204 χ^2/NDF: 458411.6/64

In: 1790.587+/-0.207 χ^2/NDF:320267.1/53

Out: 1793.843+/-0.204 χ^2/NDF:165171.3/57

All: 1792.236+/-0.145 χ^2/NDF: 485563.9/111


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
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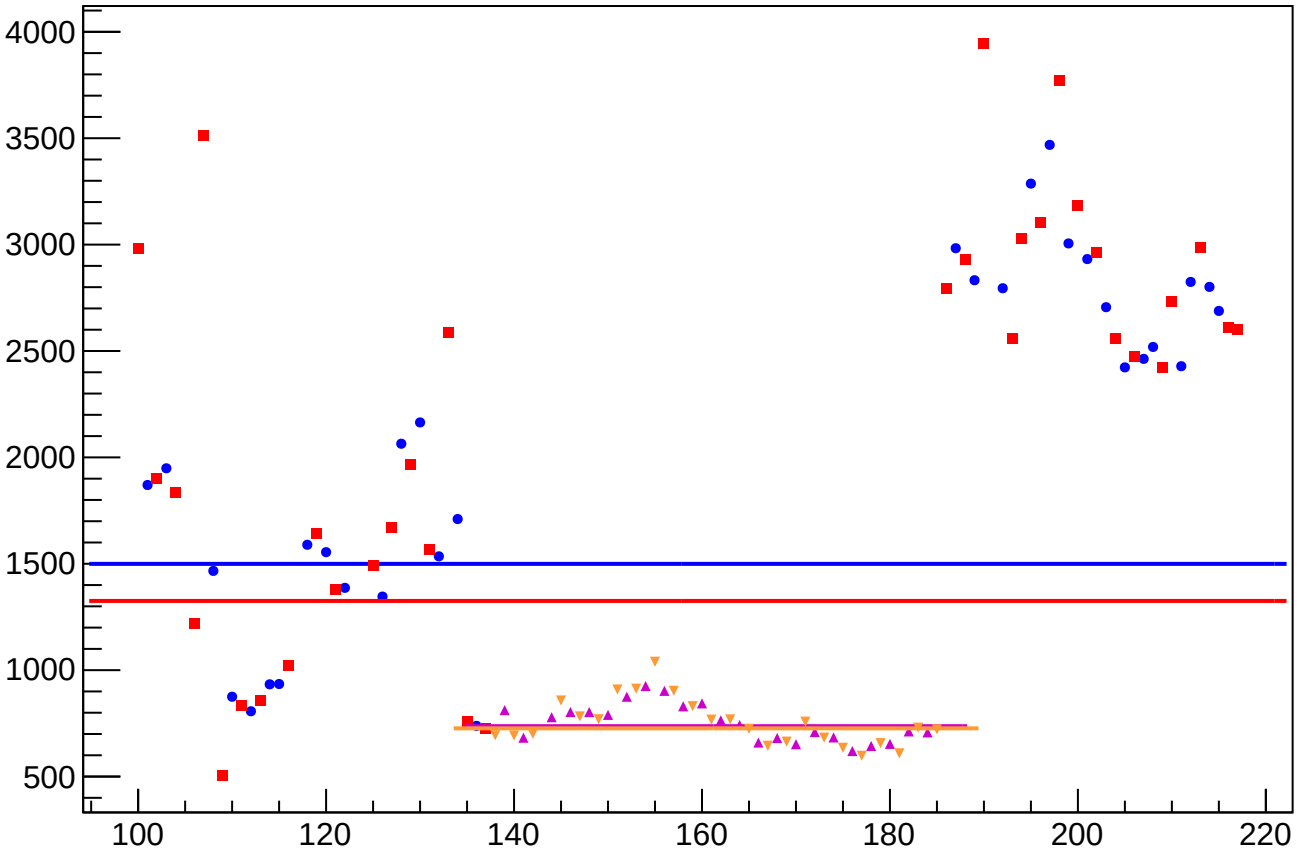
−5000
−10000
100
120
140
160
180
200
220
Right In: -977.291+/-388.955 χ²/NDF: 40.8/30
Left Out: -716.601+/-170.602 χ²/NDF:59.4/23
Right Out: 982.221+/-354.301 χ²/NDF: 21.4/33
Left In: 231.318+/-173.435 χ²/NDF:24.1/22
Left: -250.447+/-121.623 χ²/NDF: 98.6/46
Right: 93.628+/-261.925 χ²/NDF: 76.1/64
In: 30.868+/-158.402 χ²/NDF:73.0/53
Out: -396.849+/-153.711 χ²/NDF:99.4/57
All: -189.417+/-110.311 χ²/NDF: 176.2/111



Right In: 1499.590+/-0.275 χ^2/NDF: 8619713.3/30

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1325.410+/-0.251 χ^2/NDF: 12227711.4/33

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

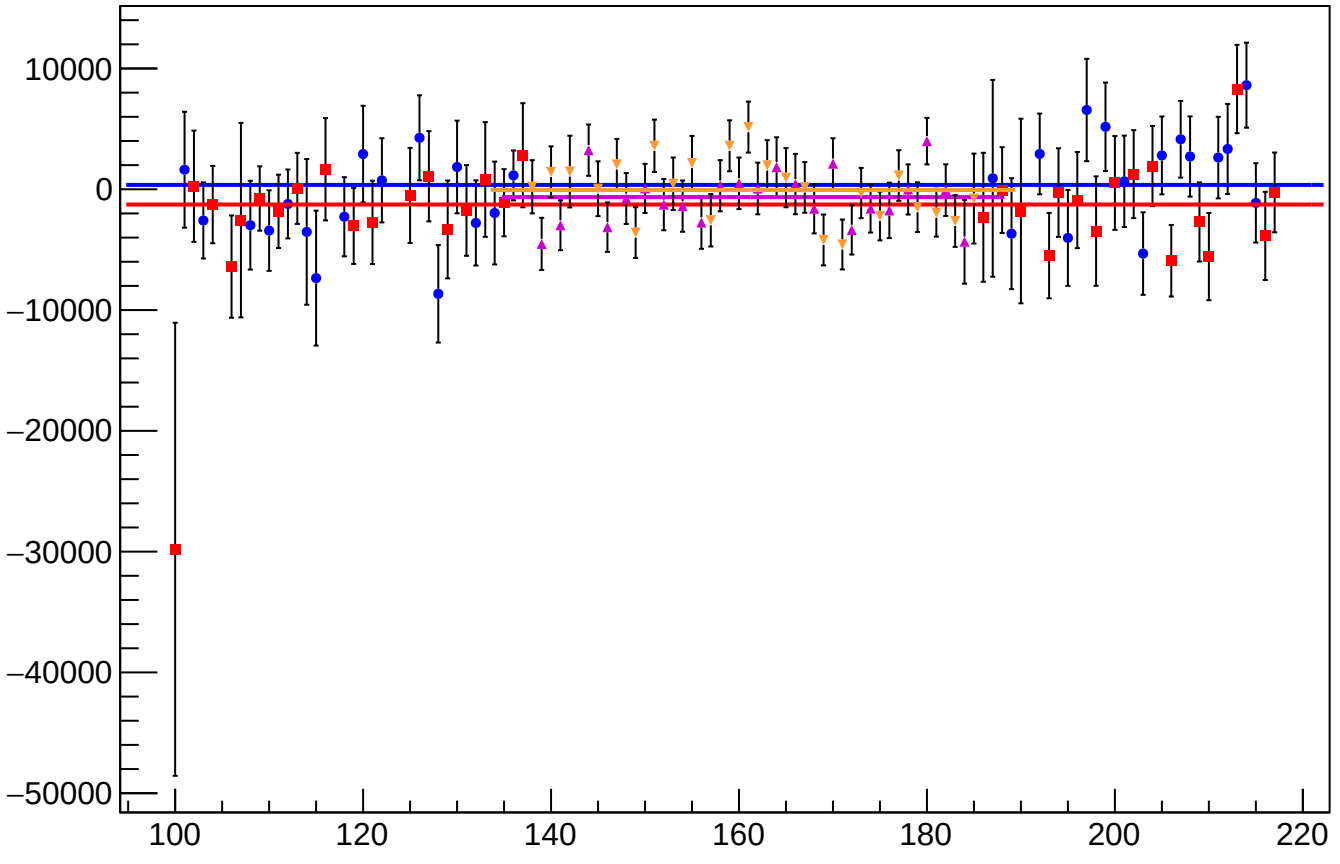
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1404.396+/-0.185 χ^2/NDF: 21066622.9/64

In: 863.234+/-0.112 χ^2/NDF:15502602.3/53

Out: 839.312+/-0.109 χ^2/NDF:17550118.1/57

All: 850.913+/-0.078 χ^2/NDF: 33076214.6/1



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: -1259.657+/-635.597 χ^2/NDF: 22.0/33

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

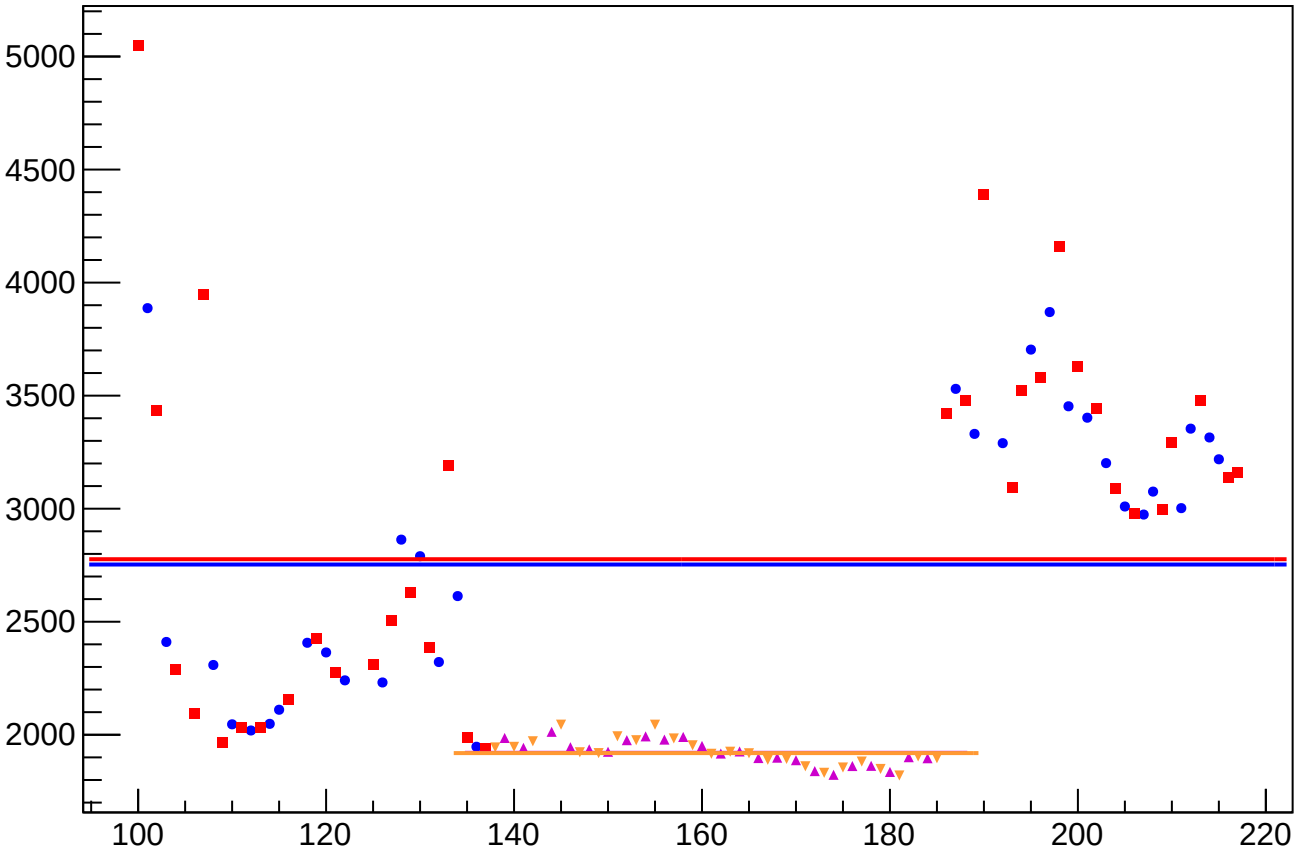
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -455.515+/-451.482 χ^2/NDF: 58.1/64

In: -315.103+/-367.581 χ^2/NDF:58.2/53

Out: -455.055+/-364.866 χ^2/NDF:57.4/57

All: -385.598+/-258.954 χ^2/NDF: 115.7/111



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: 2776.529+/-0.449 χ^2/NDF: 1993648.4/33

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

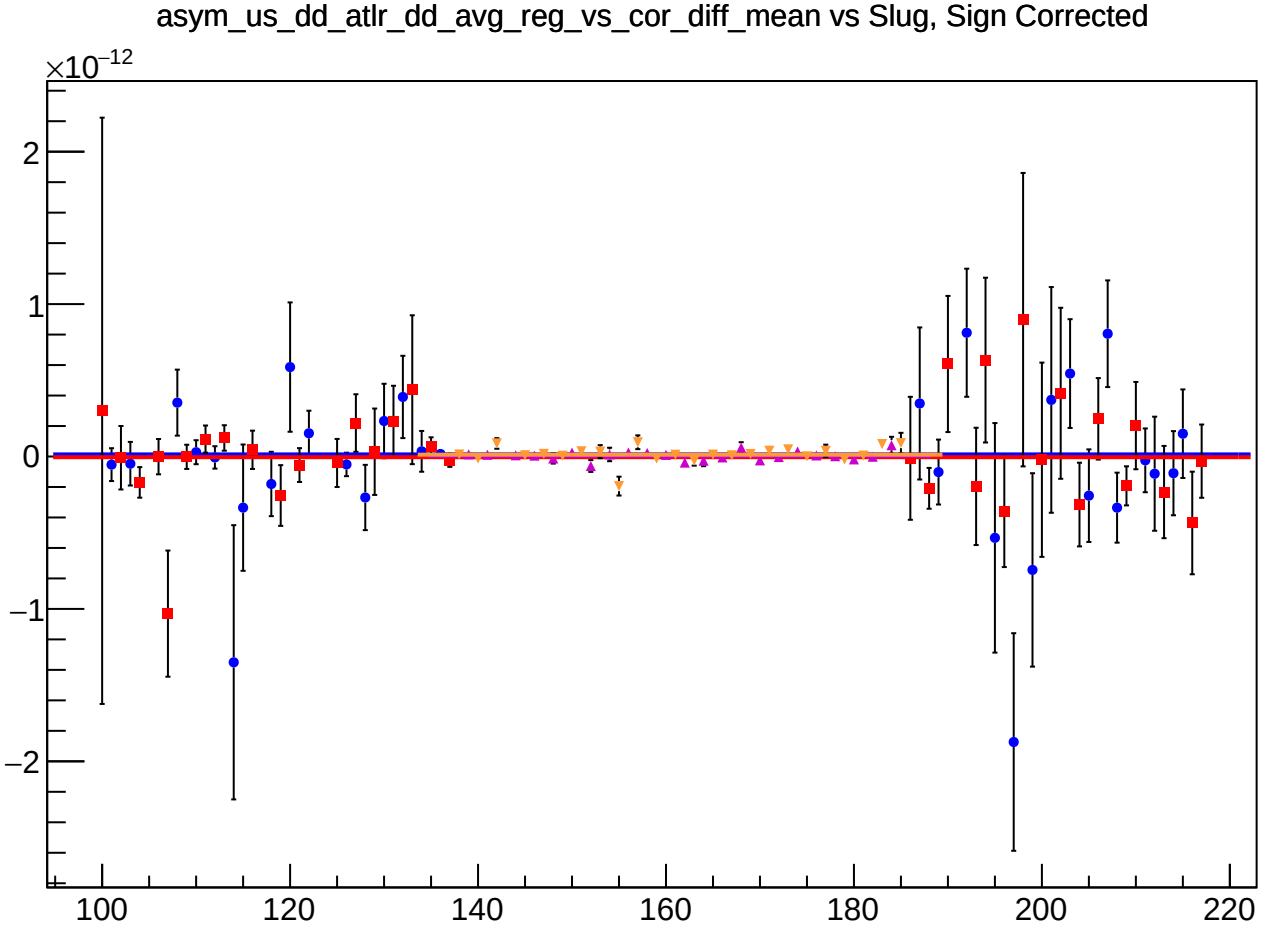
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2764.905+/-0.319 χ^2/NDF: 3620193.1/64

In: 2193.728+/-0.260 χ^2/NDF:3919637.5/53

Out: 2201.572+/-0.258 χ^2/NDF:4470212.7/57

All: 2197.679+/-0.183 χ^2/NDF: 8390308.9/11



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: 35.1/33

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

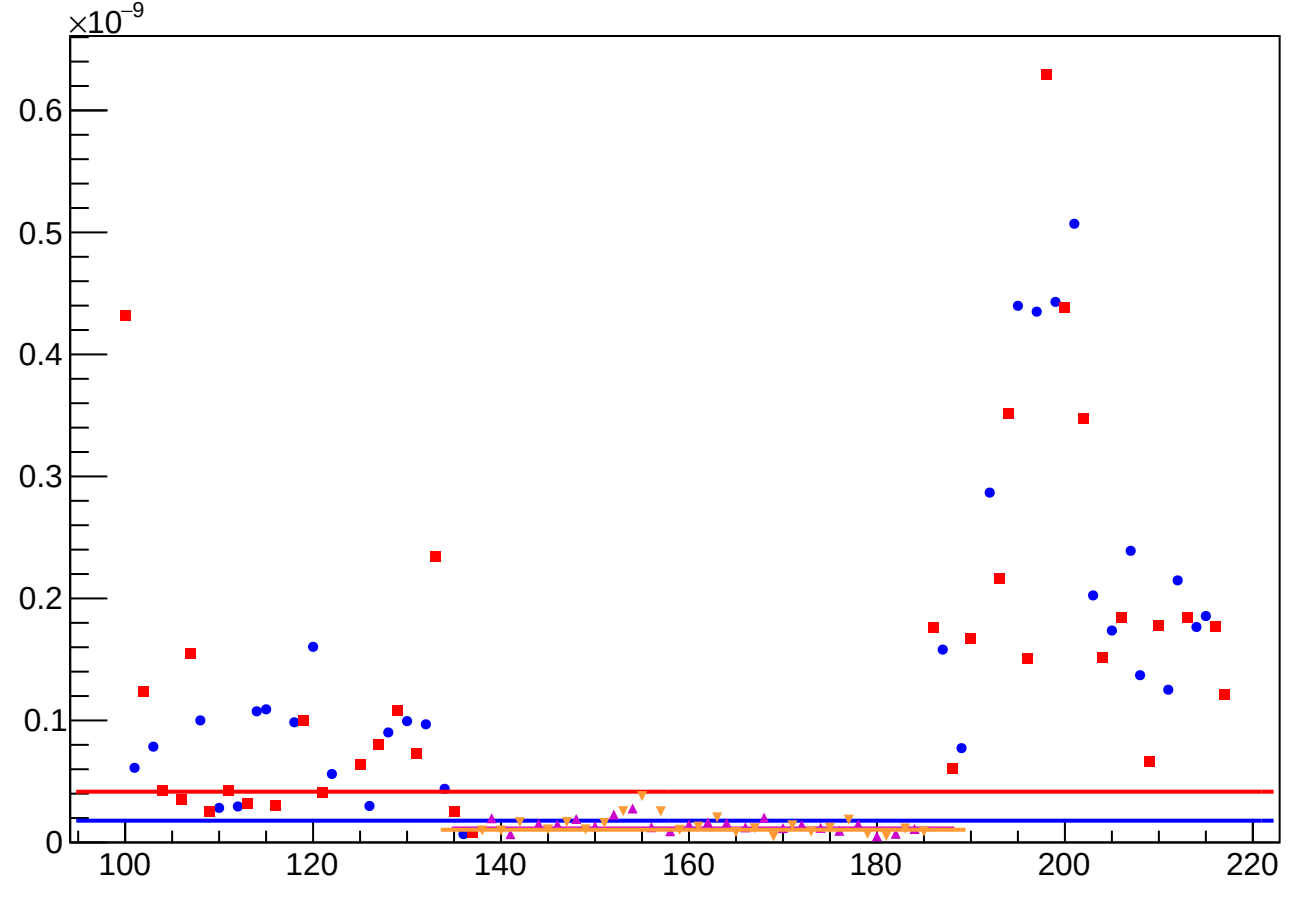
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 75.1/64

In: 0.000+/-0.000 χ^2/NDF:59.6/53

Out: 0.000+/-0.000 χ^2/NDF:73.7/57

All: 0.000+/-0.000 χ^2/NDF: 134.5/111



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: 8964429.9/33

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

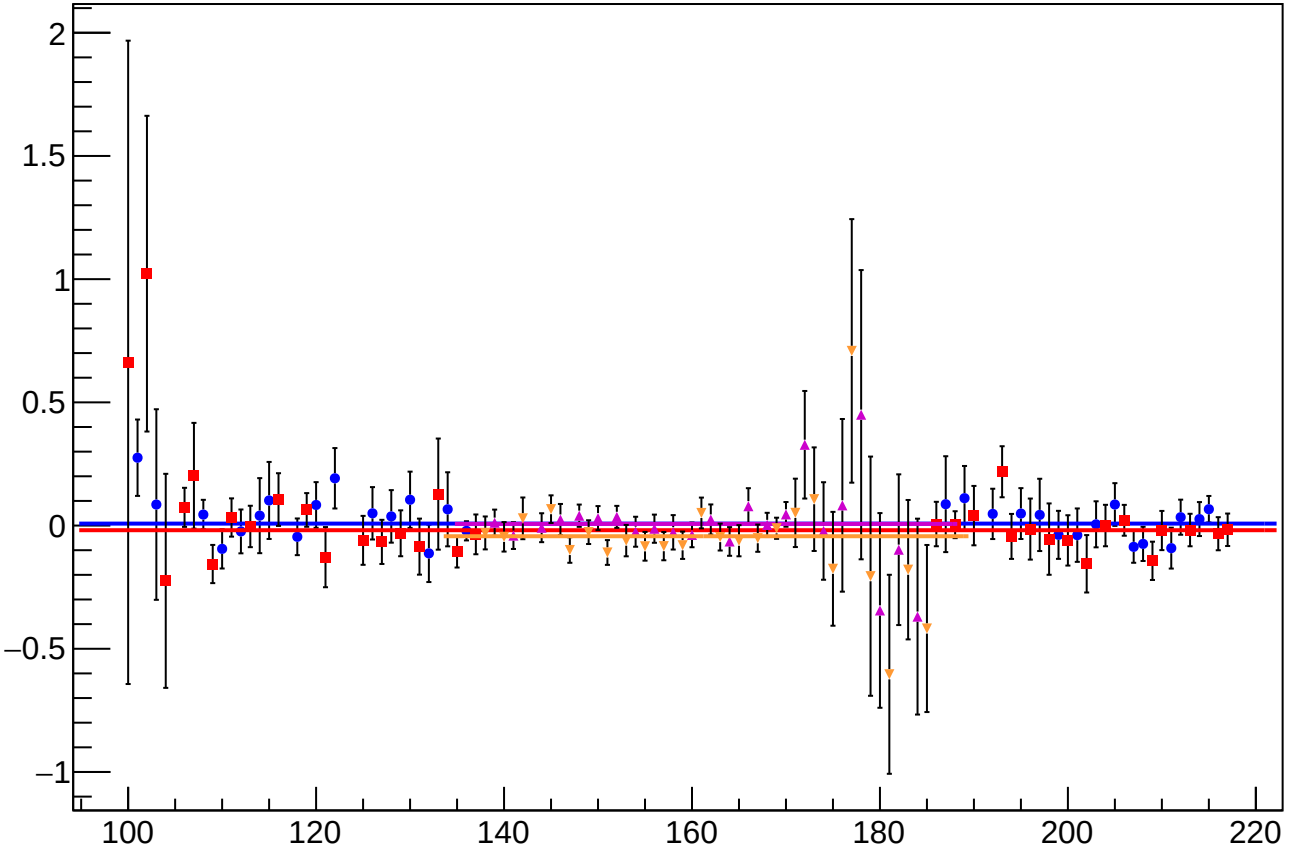
Right: 0.000+/-0.000 χ^2/NDF: 23201637.2/64

In: 0.000+/-0.000 χ^2/NDF:14900711.5/53

Out: 0.000+/-0.000 χ^2/NDF:14678071.1/57

All: 0.000+/-0.000 χ^2/NDF: 29590153.1/111

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+/-0.015 χ^2/NDF: 26.5/33

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

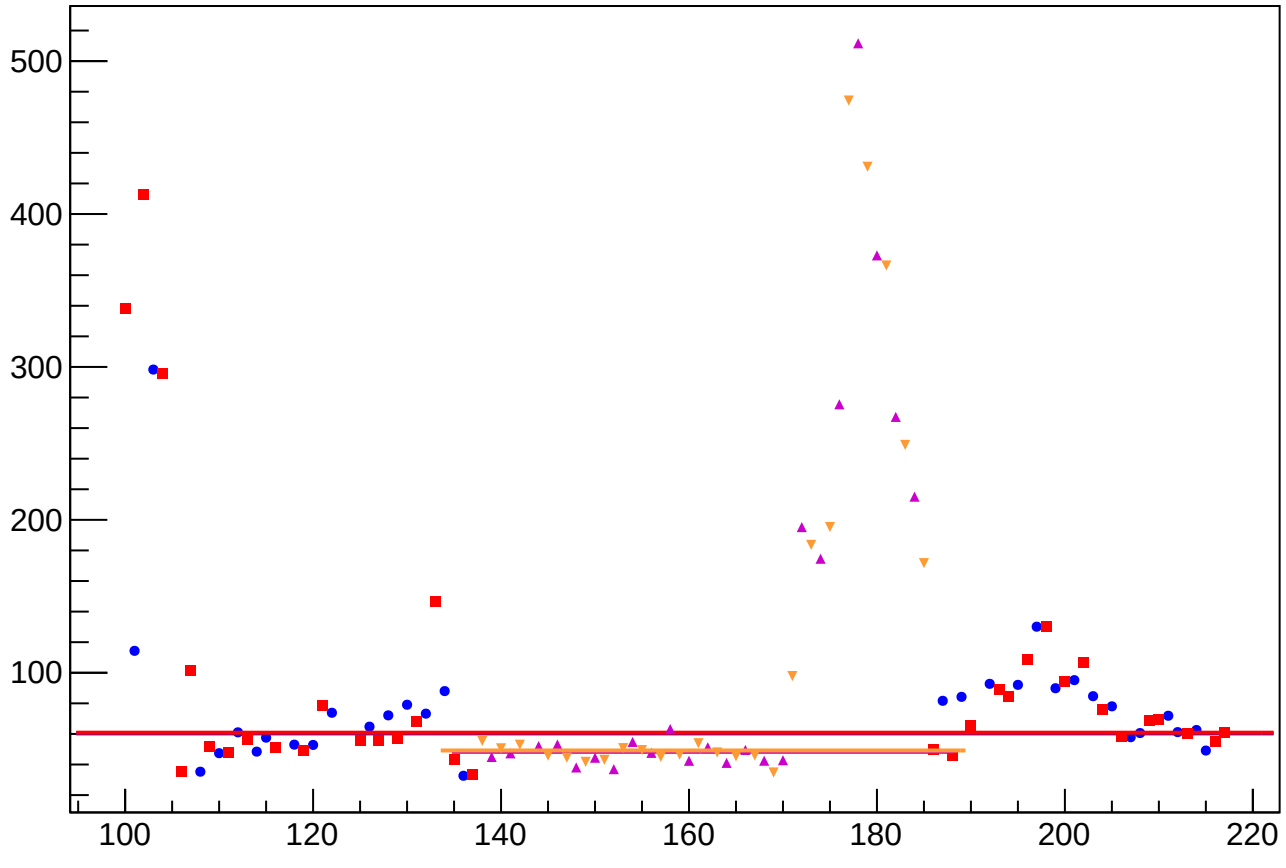
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.006+/-0.011 χ^2/NDF: 48.5/64

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.032+/-0.010 χ^2/NDF:46.7/57

All: -0.012+/-0.007 χ^2/NDF: 85.9/111



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: 60.813+/-0.011 χ^2/NDF: 4335289.4/33

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

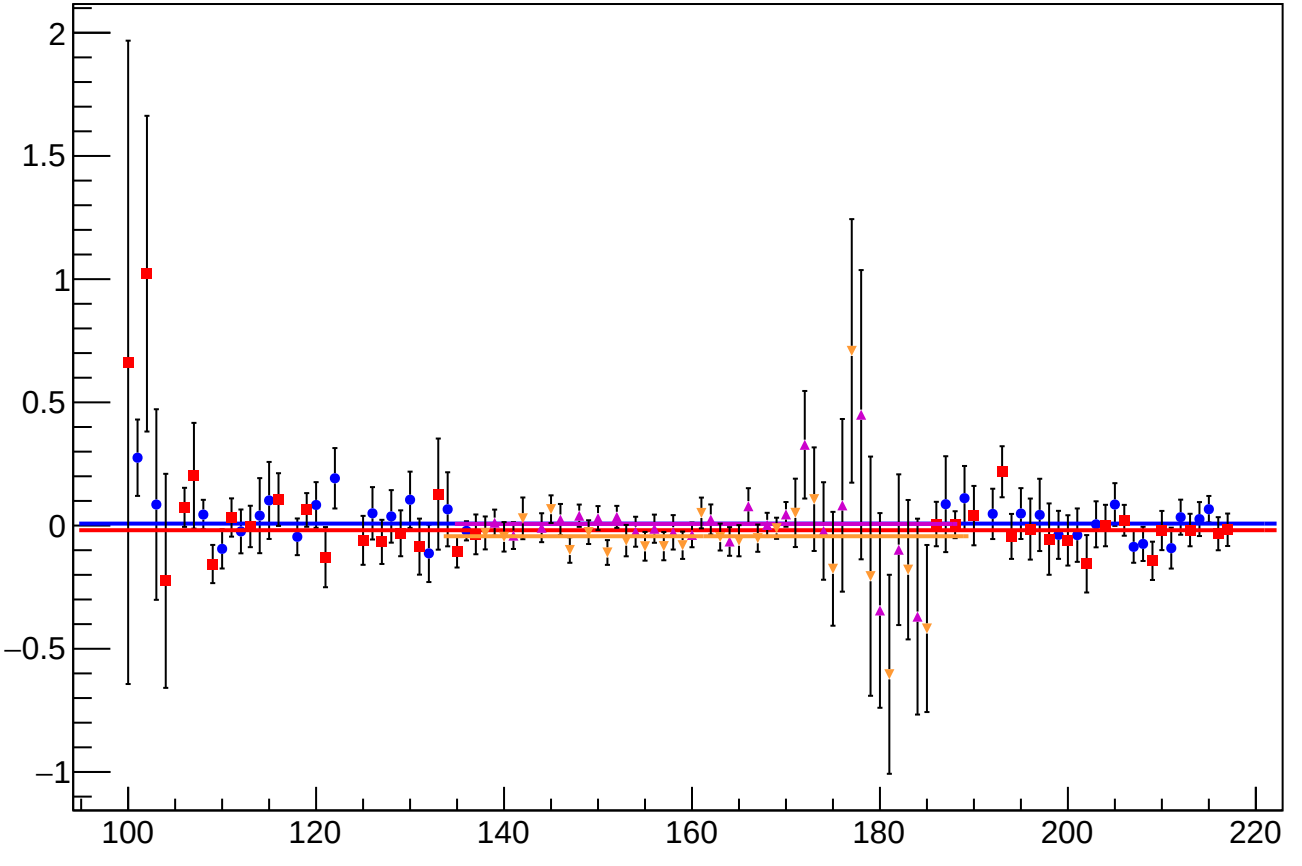
Right: 60.598+/-0.008 χ^2/NDF: 8671232.6/64

In: 53.548+/-0.007 χ^2/NDF:12067680.0/53

Out: 54.459+/-0.007 χ^2/NDF:12220599.4/57

All: 53.999+/-0.005 χ^2/NDF: 24296232.2/111

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+/-0.015 χ^2/NDF: 26.5/33

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

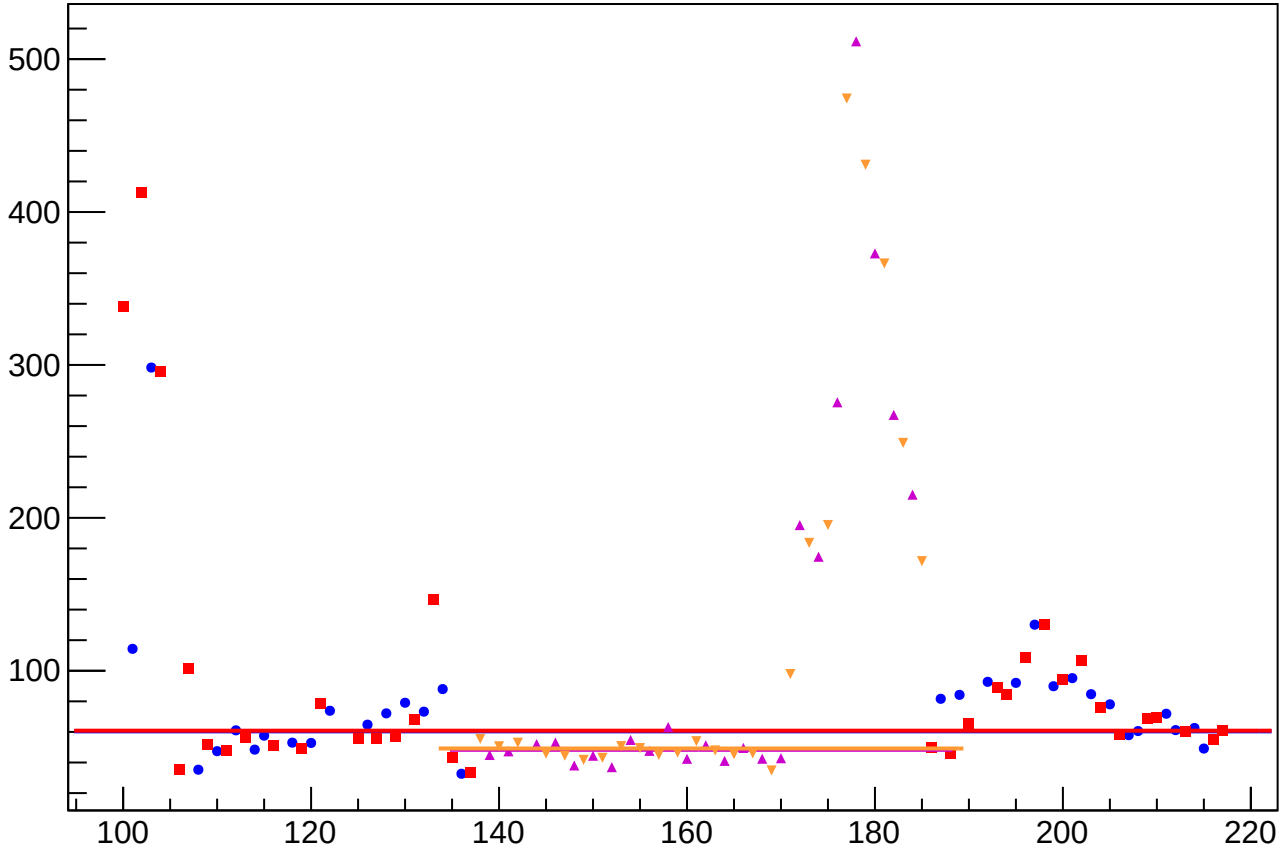
Right: -0.006+/-0.011 χ^2/NDF: 48.5/64

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.032+/-0.010 χ^2/NDF:46.7/57

All: -0.012+/-0.007 χ^2/NDF: 85.9/111

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: 60.813+/-0.011 χ^2/NDF: 4335289.4/33

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

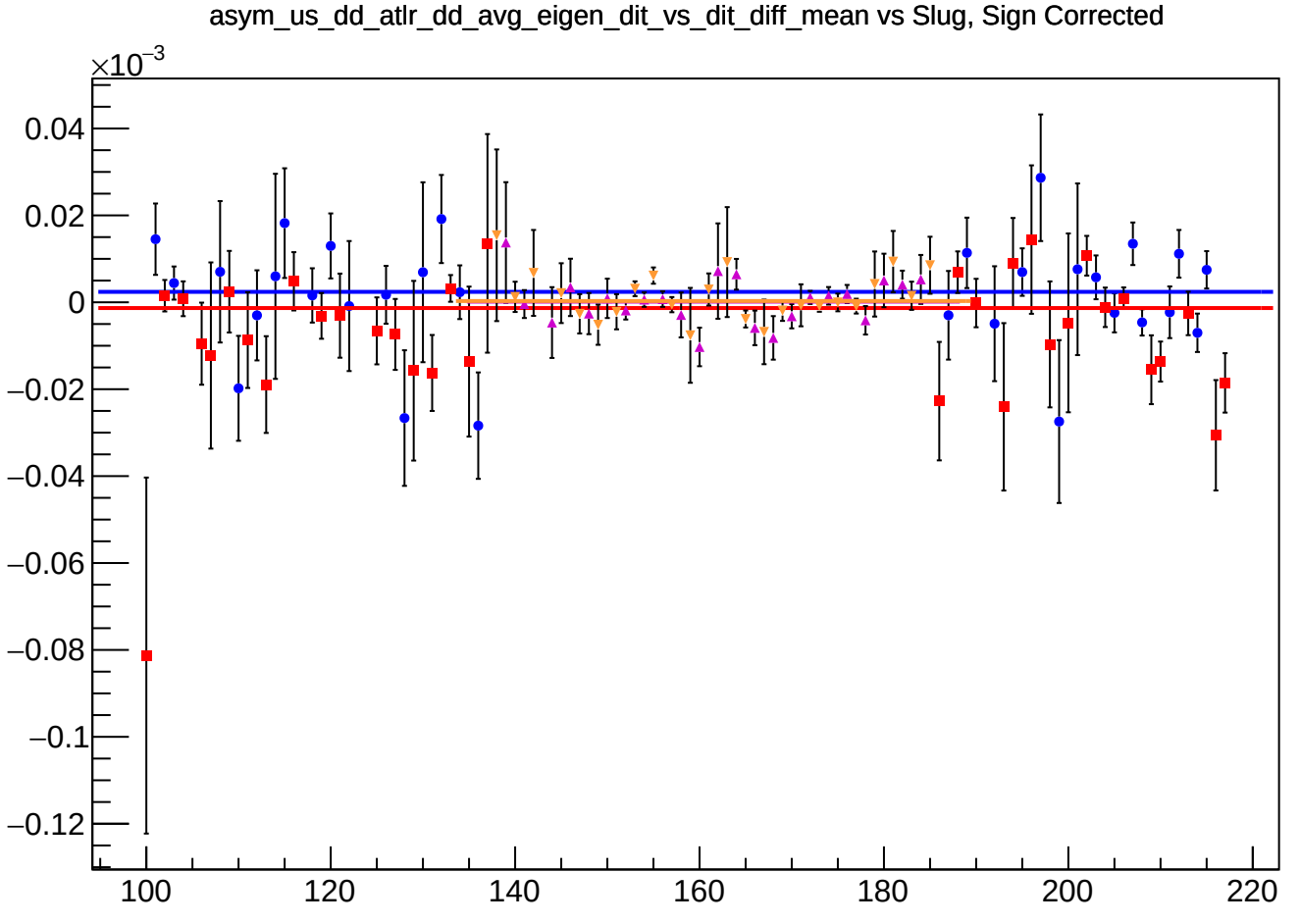
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.598+/-0.008 χ^2/NDF: 8671232.6/64

In: 53.548+/-0.007 χ^2/NDF:12067680.0/53

Out: 54.459+/-0.007 χ^2/NDF:12220599.4/57

All: 53.999+/-0.005 χ^2/NDF: 24296232.2/111



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: 56.2/33

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

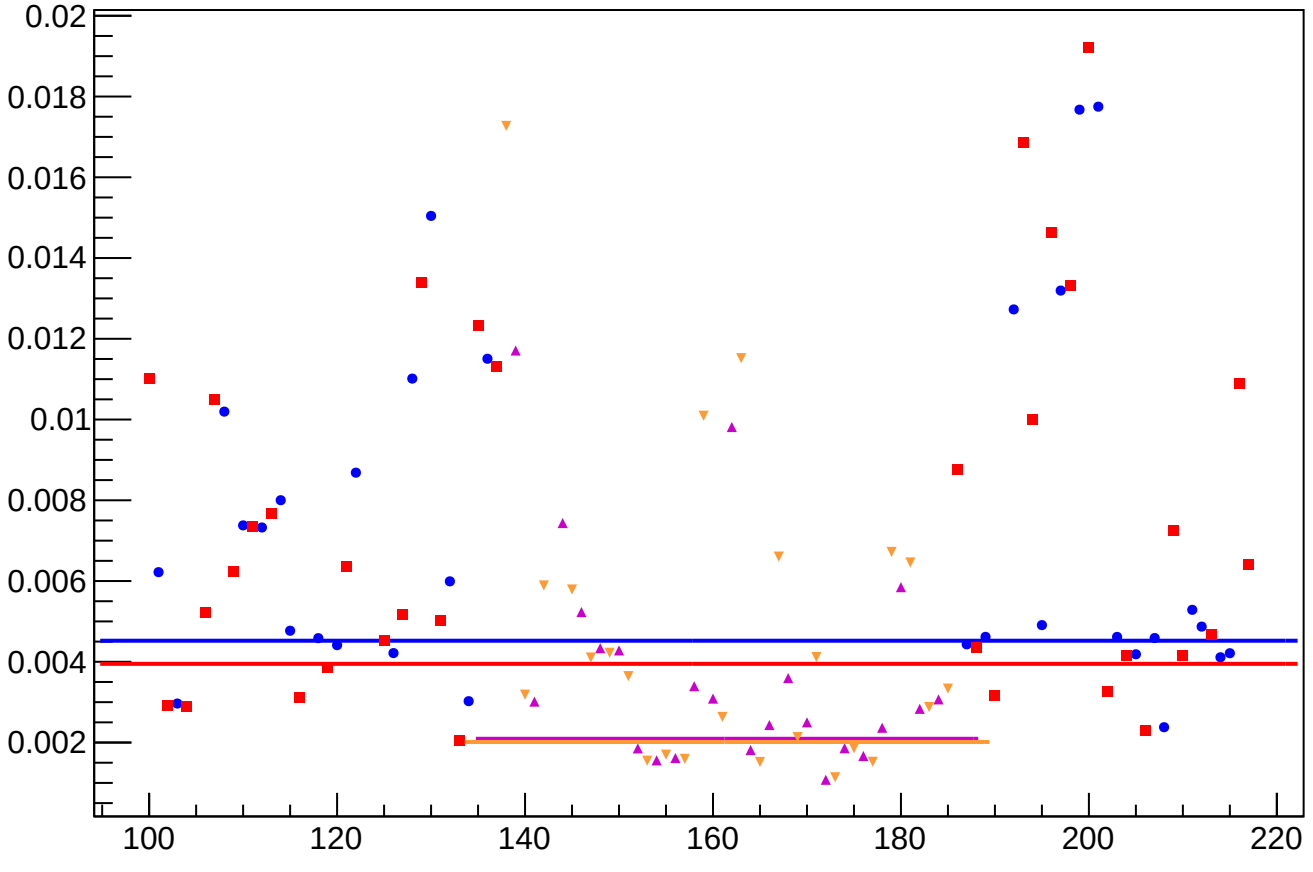
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 113.8/64

In: 0.000+/-0.000 χ^2/NDF:80.2/53

Out: -0.000+/-0.000 χ^2/NDF:86.9/57

All: 0.000+/-0.000 χ^2/NDF: 167.9/111



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: 9956693.7/33

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

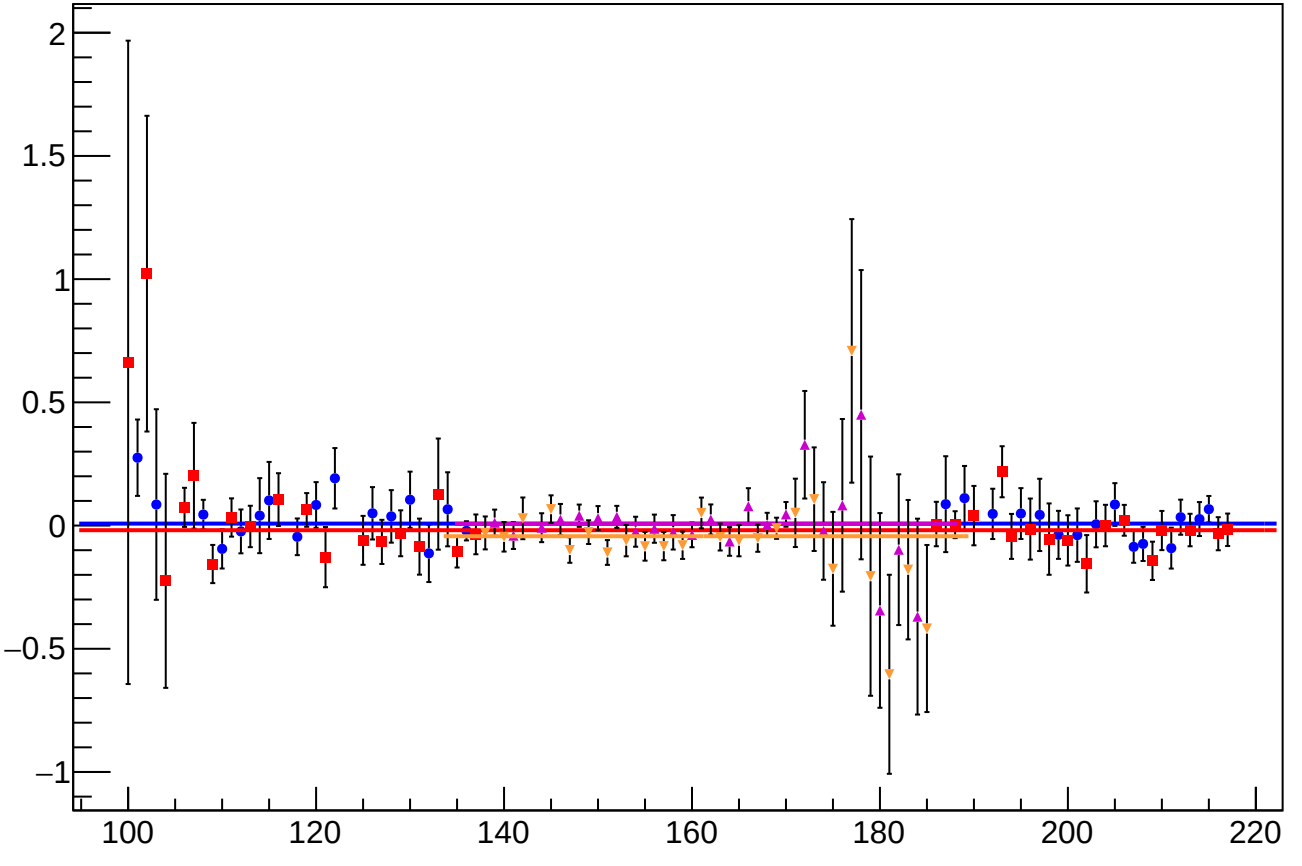
Right: 0.004+/-0.000 χ^2/NDF: 17475172.7/64

In: 0.003+/-0.000 χ^2/NDF:21056836.1/53

Out: 0.002+/-0.000 χ^2/NDF:25455466.4/57

All: 0.003+/-0.000 χ^2/NDF: 46597776.0/111

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+/-0.015 χ^2/NDF: 26.5/33

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

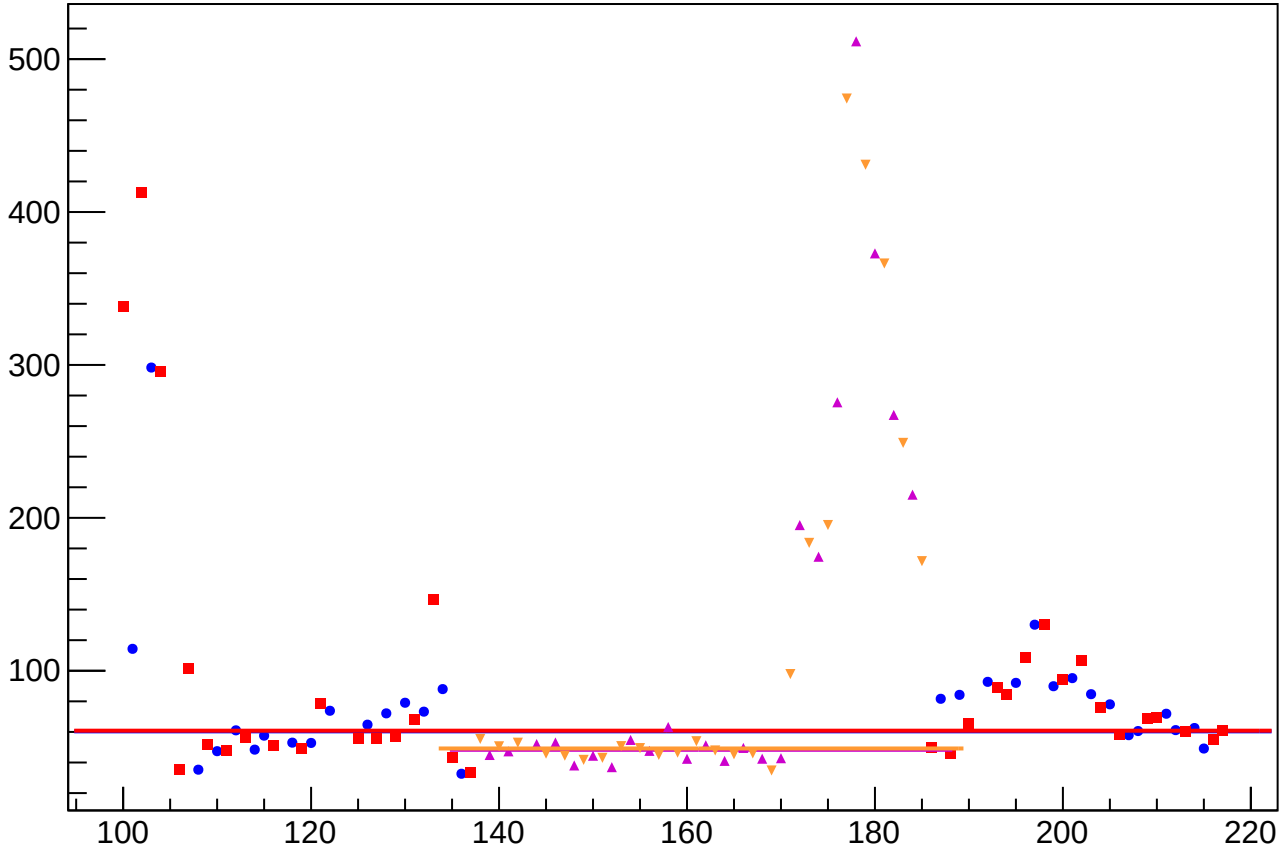
Right: -0.006+/-0.011 χ^2/NDF: 48.5/64

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.032+/-0.010 χ^2/NDF:46.7/57

All: -0.012+/-0.007 χ^2/NDF: 85.9/111

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: 60.813+/-0.011 χ^2/NDF: 4335141.7/33

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

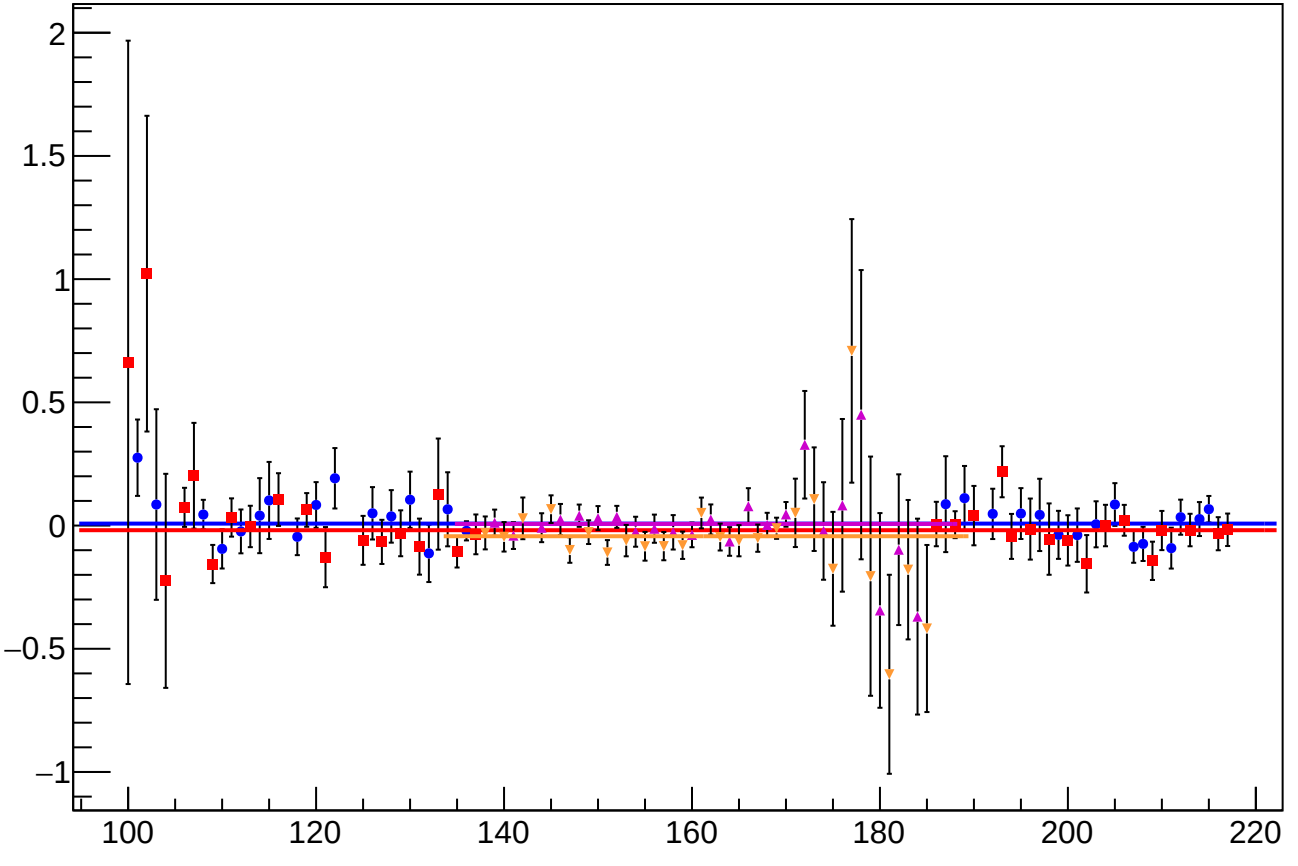
Right: 60.598+/-0.008 χ^2/NDF: 8670915.2/64

In: 53.548+/-0.007 χ^2/NDF:12067429.9/53

Out: 54.459+/-0.007 χ^2/NDF:12220564.6/57

All: 53.999+/-0.005 χ^2/NDF: 24295942.7/111

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+/-0.015 χ^2/NDF: 26.5/33

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

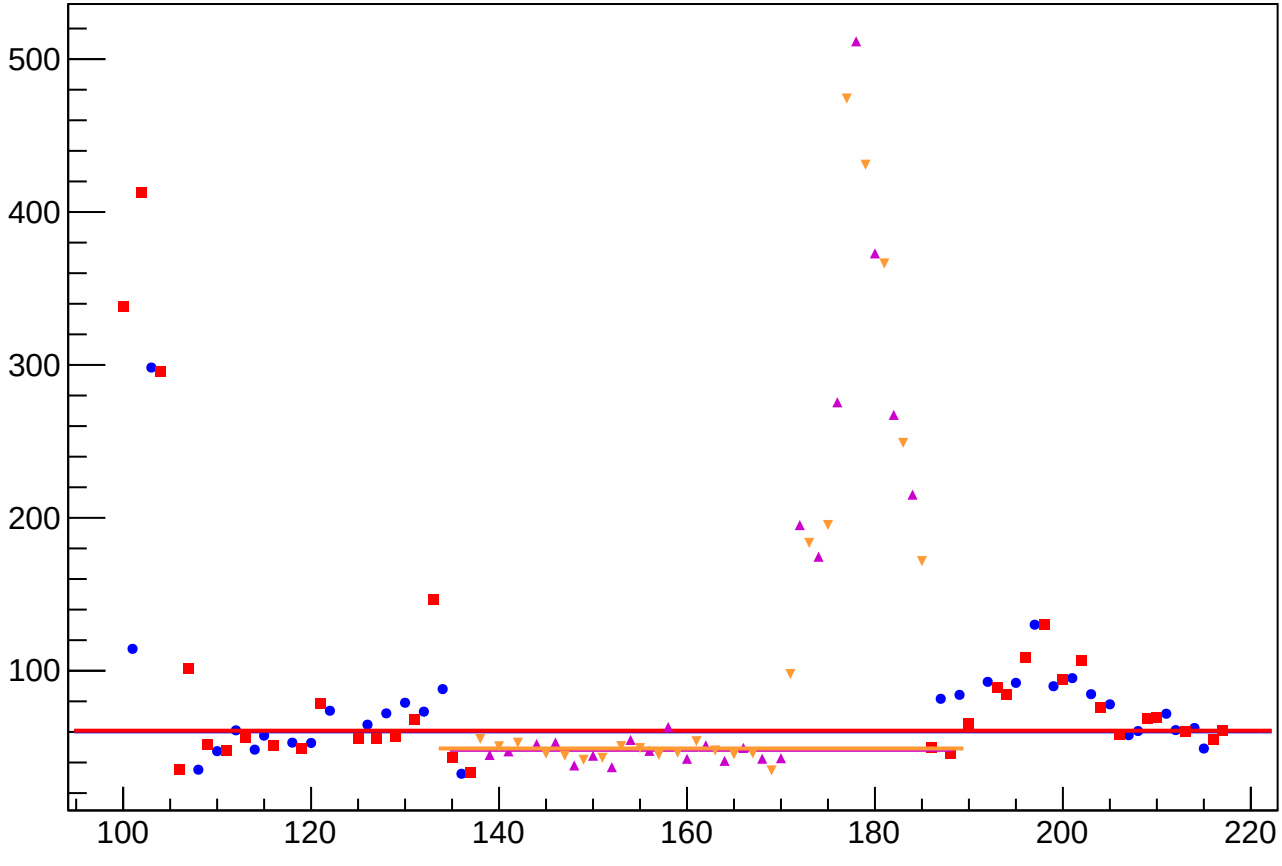
Right: -0.006+/-0.011 χ^2/NDF: 48.5/64

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.032+/-0.010 χ^2/NDF:46.7/57

All: -0.012+/-0.007 χ^2/NDF: 85.9/111

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: 60.813+/-0.011 χ^2/NDF: 4335141.7/33

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

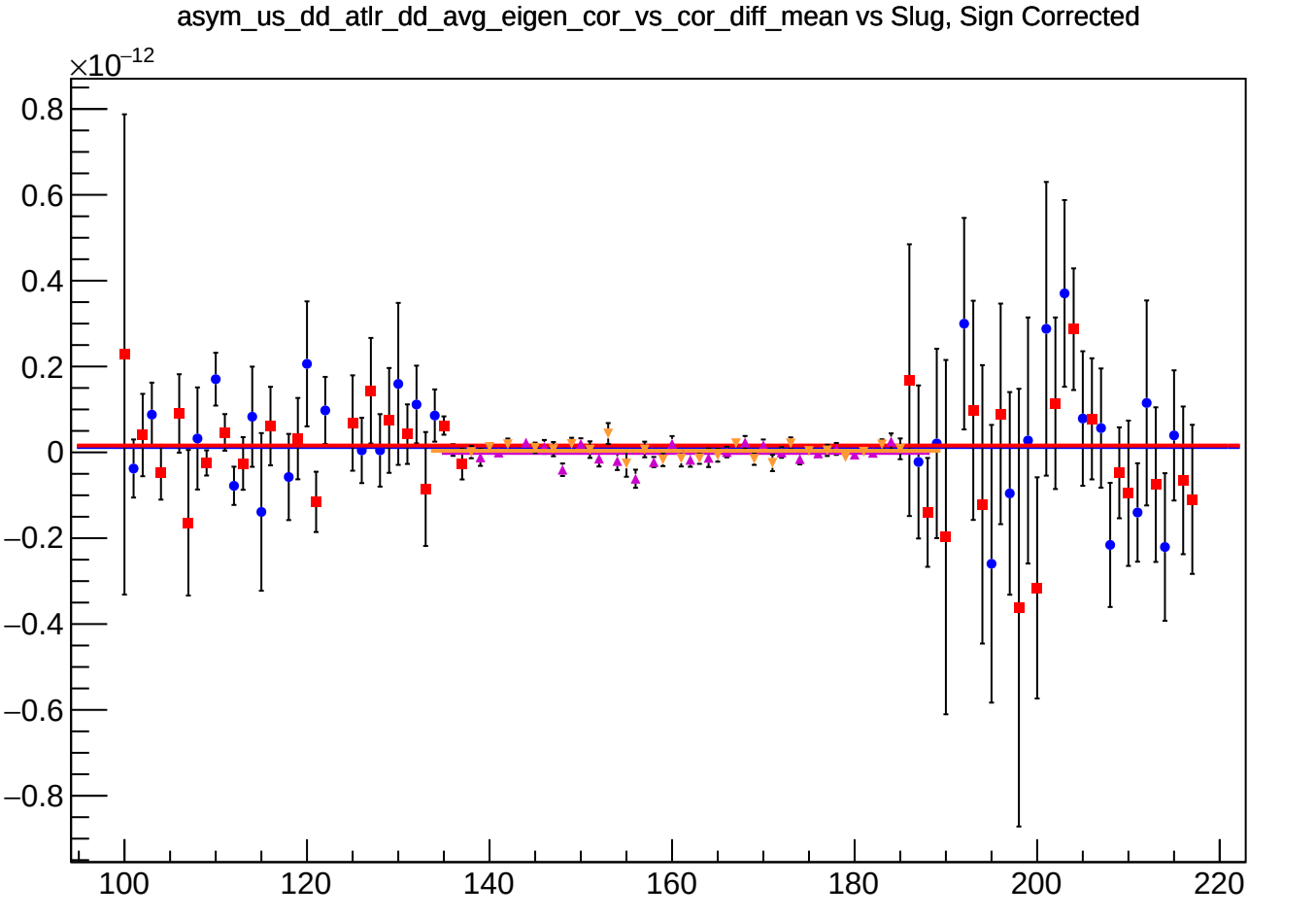
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 60.598+/-0.008 χ^2/NDF: 8670915.2/64

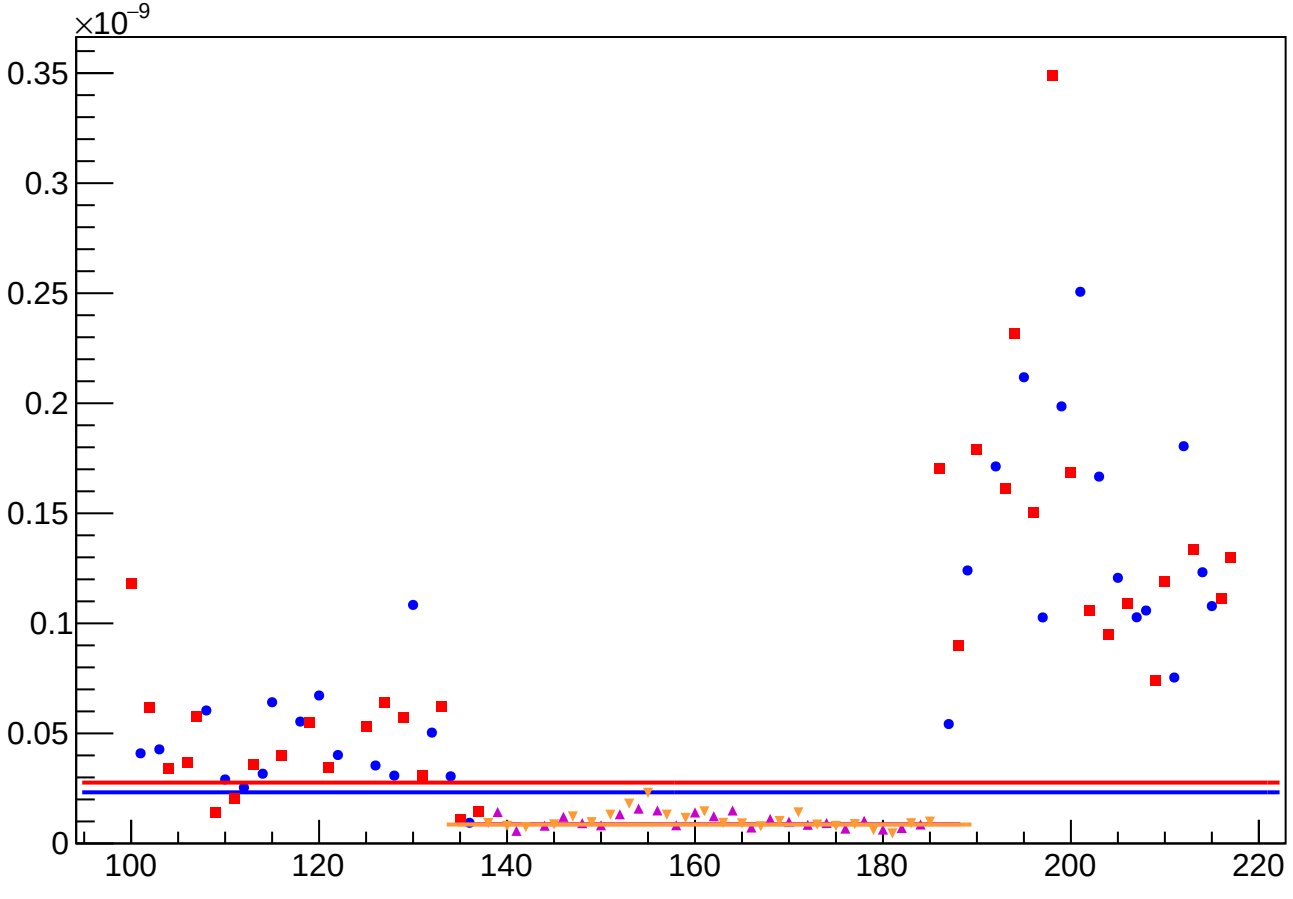
In: 53.548+/-0.007 χ^2/NDF:12067429.9/53

Out: 54.459+/-0.007 χ^2/NDF:12220564.6/57

All: 53.999+/-0.005 χ^2/NDF: 24295942.7/111


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: 28.5/33
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: 61.2/64
In: -0.000+/-0.000 χ²/NDF:74.1/53
Out: 0.000+/-0.000 χ²/NDF:54.1/57
All: 0.000+/-0.000 χ²/NDF: 129.8/111

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: 11750139.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

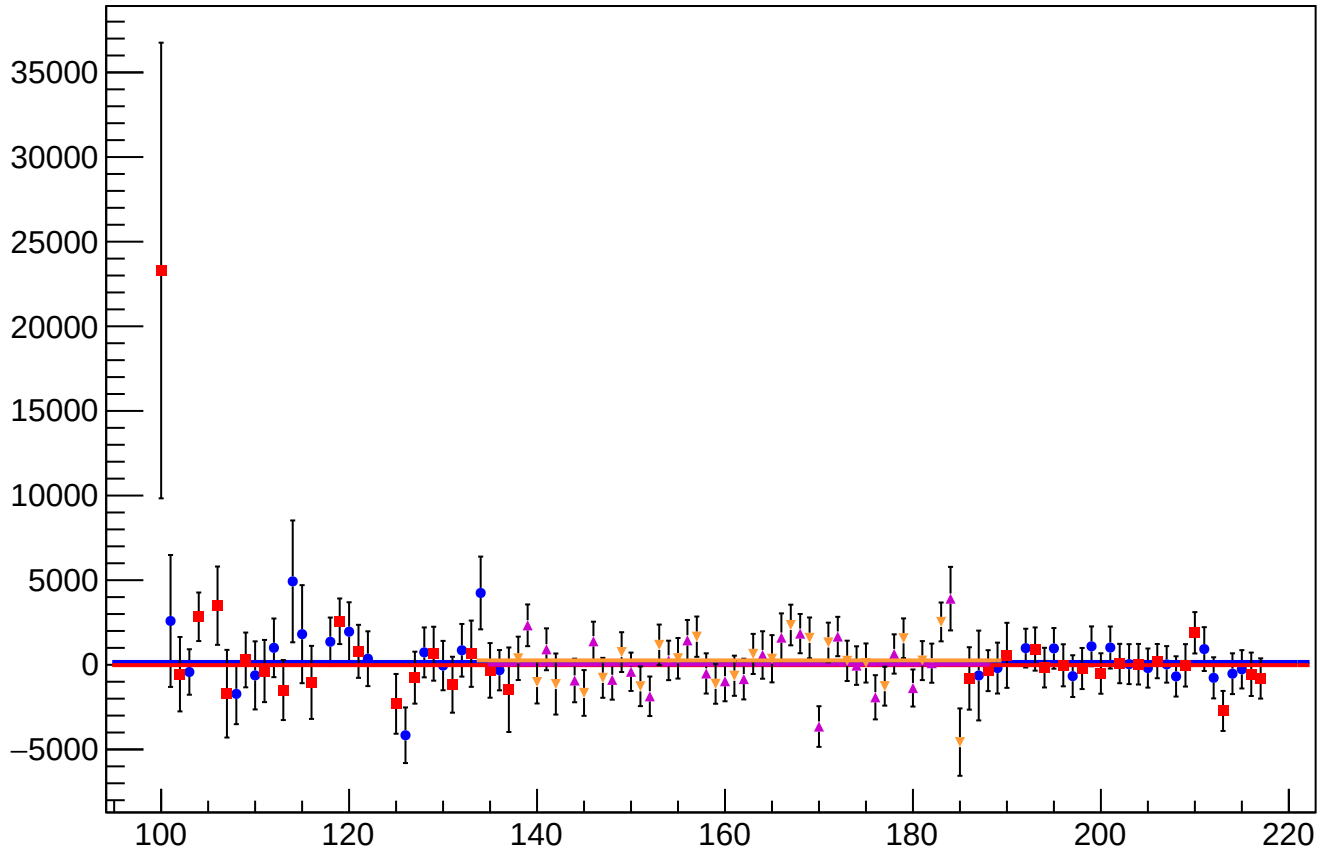
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 25010709.2/64

In: 0.000+/-0.000 χ^2/NDF:18327120.0/53

Out: 0.000+/-0.000 χ^2/NDF:18990753.2/57

All: 0.000+/-0.000 χ^2/NDF: 37319276.8/111



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: -19.193+/-250.937 χ^2/NDF: 27.3/33

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

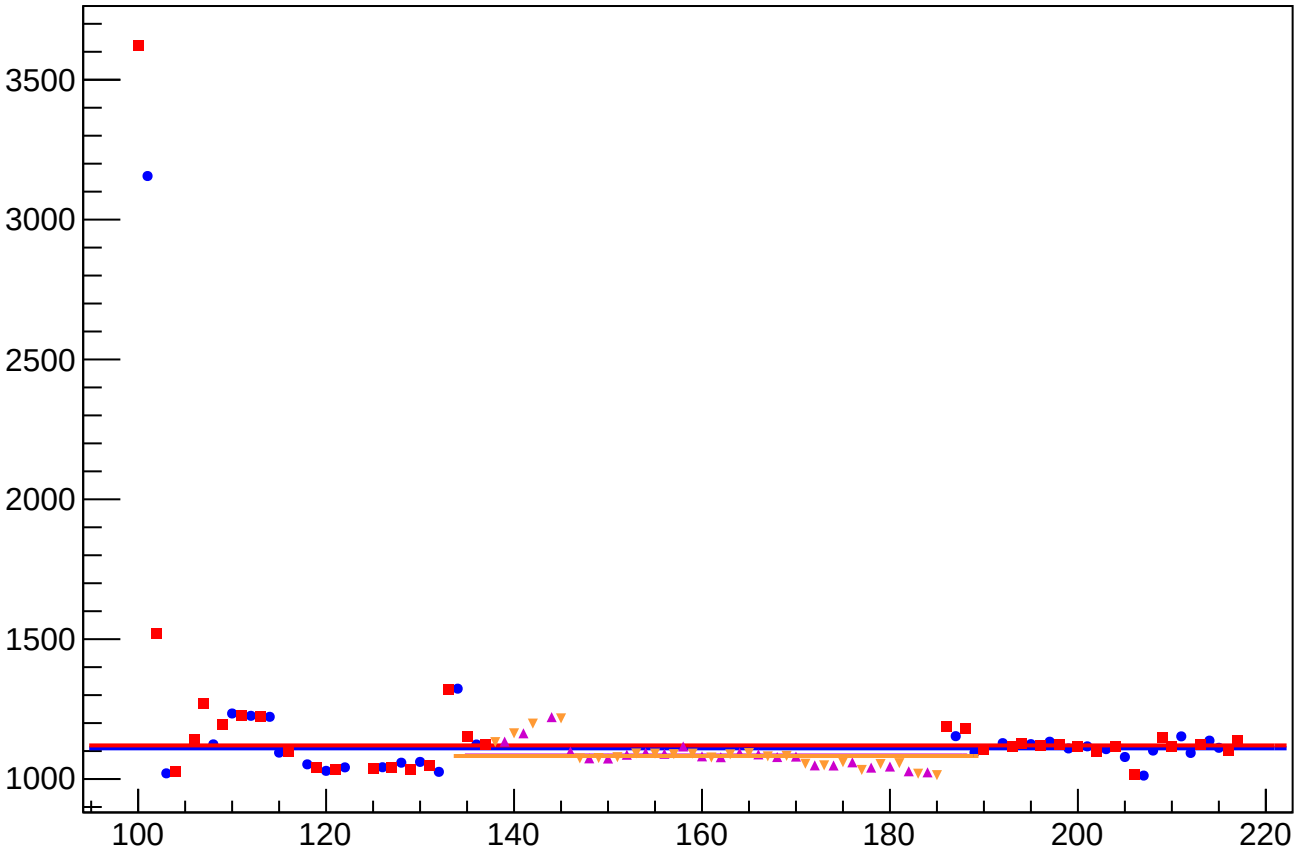
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 73.279+/-178.825 χ^2/NDF: 49.3/64

In: 95.081+/-179.686 χ^2/NDF:57.7/53

Out: 120.470+/-177.603 χ^2/NDF:56.1/57

All: 107.924+/-126.314 χ^2/NDF: 113.8/111



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: 1120.166+/-0.177 χ^2/NDF: 253393.7/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

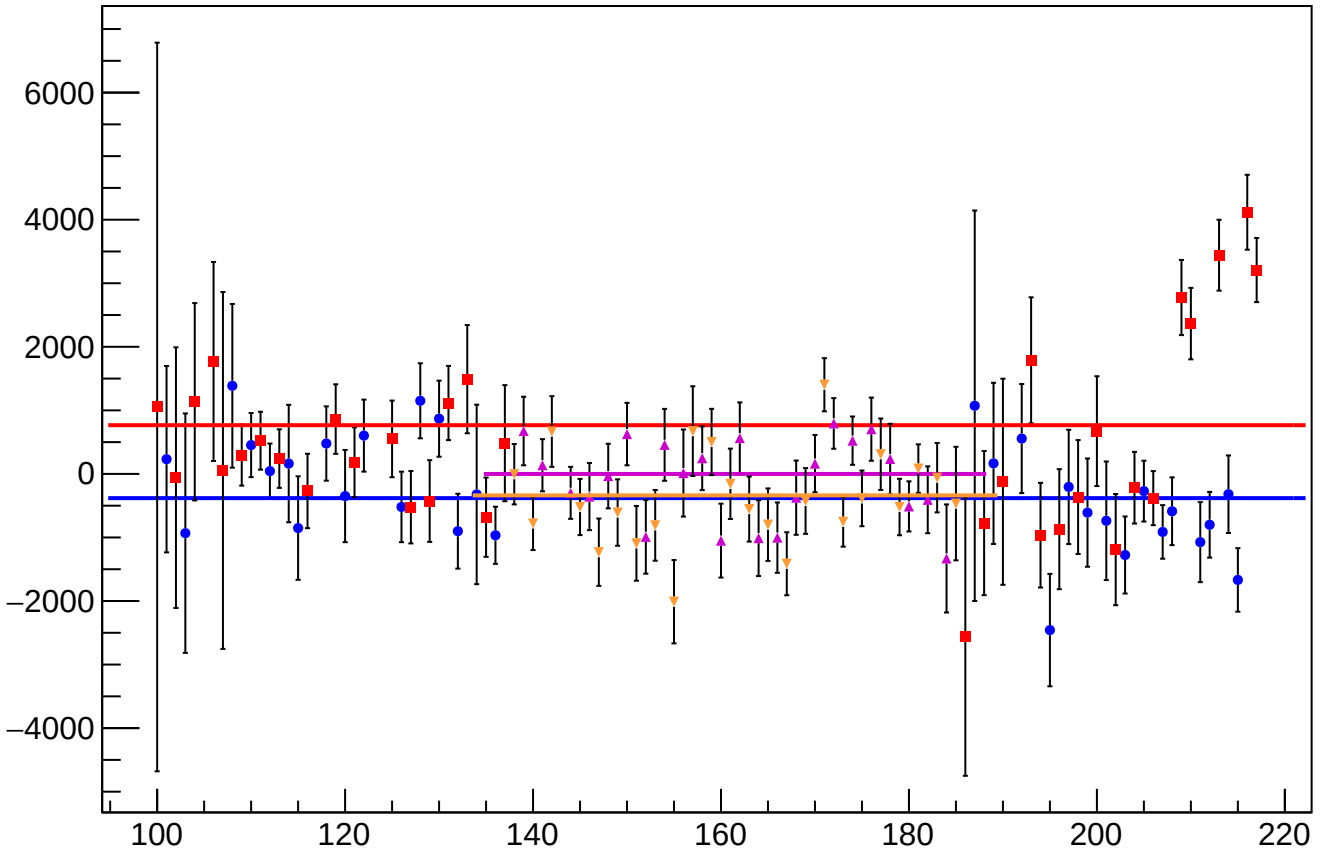
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1115.018+/-0.126 χ^2/NDF: 902748.9/64

In: 1096.856+/-0.127 χ^2/NDF:711183.4/53

Out: 1101.272+/-0.126 χ^2/NDF:333986.1/57

All: 1099.090+/-0.089 χ^2/NDF: 1045780.4/11



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: 766.532+/-115.798 χ^2/NDF: 151.0/33

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

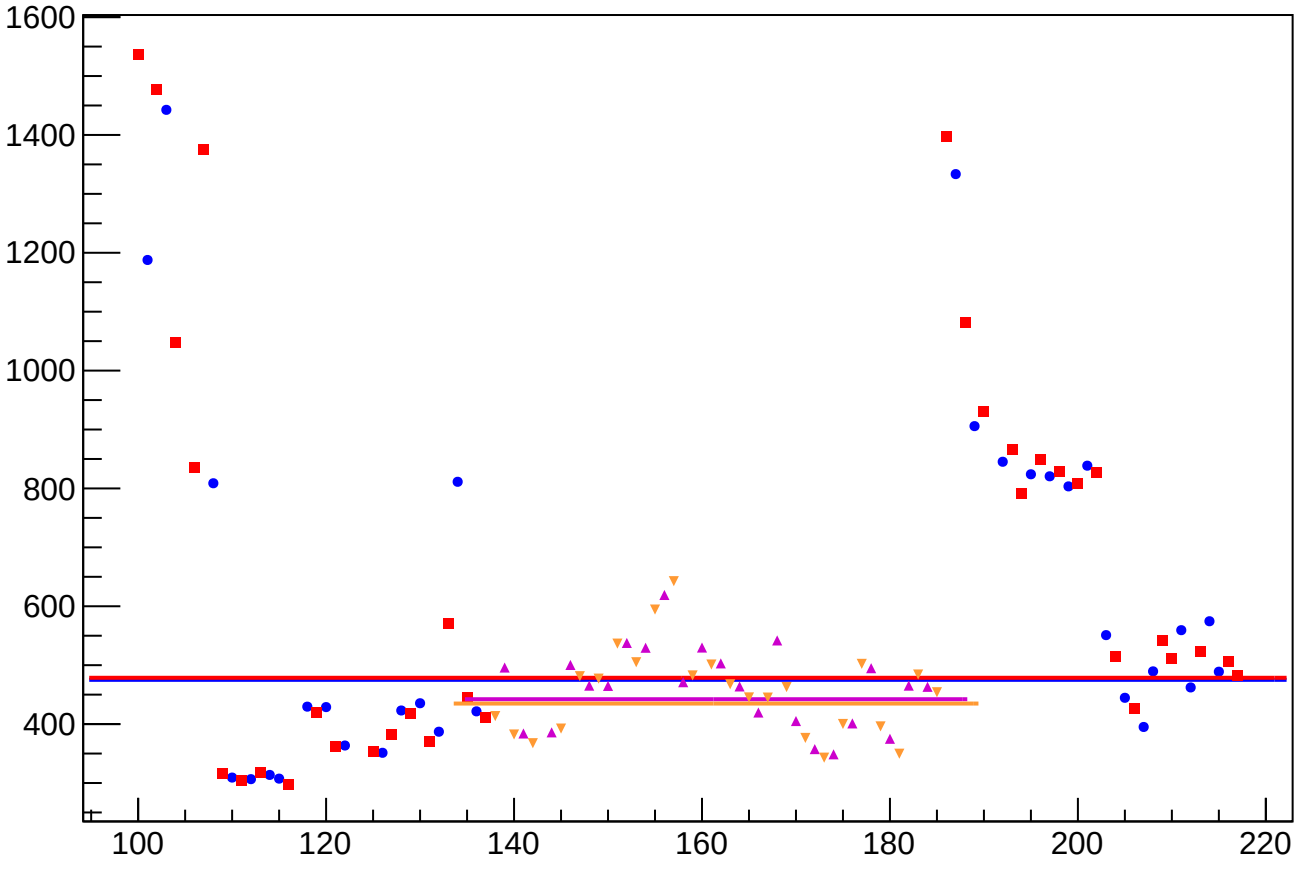
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 191.983+/-81.825 χ^2/NDF: 245.4/64

In: -171.991+/-77.628 χ^2/NDF:83.0/53

Out: 147.922+/-76.794 χ^2/NDF:250.8/57

All: -10.306+/-54.594 χ^2/NDF: 342.3/111



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: 478.603+/-0.082 χ^2/NDF: 5432682.1/33

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

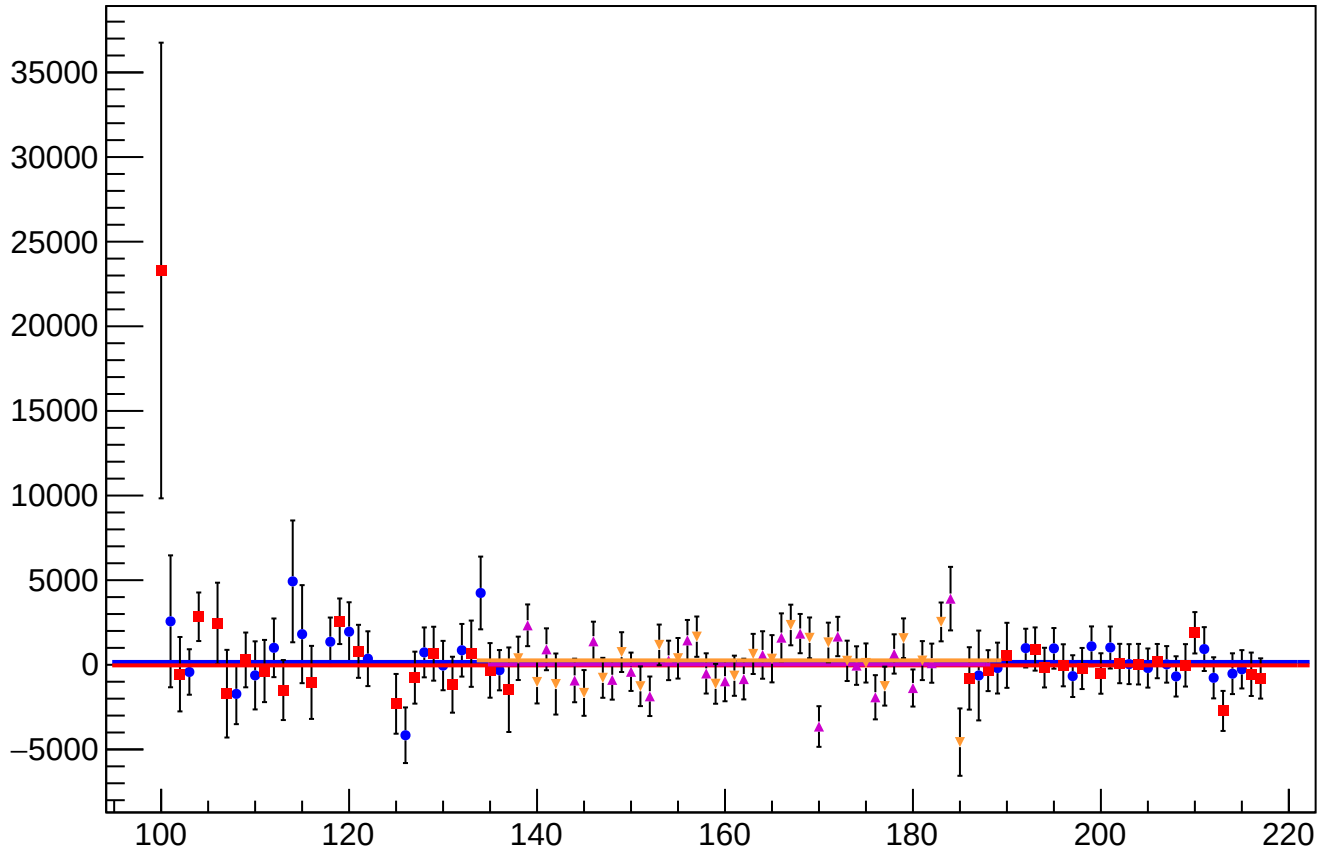
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 476.859+/-0.058 χ^2/NDF: 9811529.1/64

In: 457.039+/-0.055 χ^2/NDF:5292911.4/53

Out: 454.097+/-0.054 χ^2/NDF:6470991.1/57

All: 455.552+/-0.039 χ^2/NDF: 11765354.6/1



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: -33.830+/-251.051 χ^2/NDF: 26.0/33

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

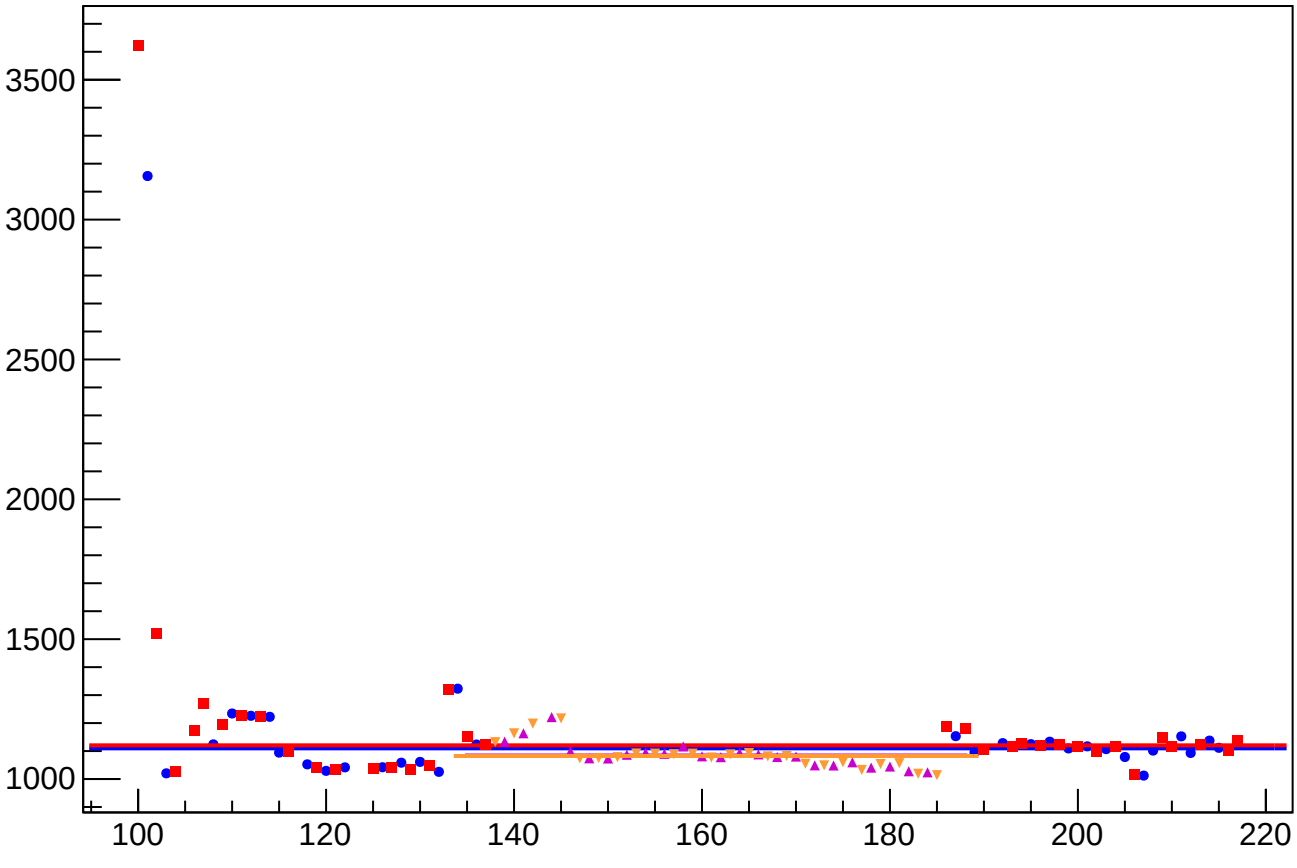
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 65.832+/-178.866 χ^2/NDF: 48.0/64

In: 95.017+/-179.686 χ^2/NDF:57.7/53

Out: 113.200+/-177.643 χ^2/NDF:54.9/57

All: 104.212+/-126.329 χ^2/NDF: 112.6/111



Right In: 1109.705+/-0.180 χ^2/NDF: 647645.5/30

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.488+/-0.178 χ^2/NDF: 254155.0/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

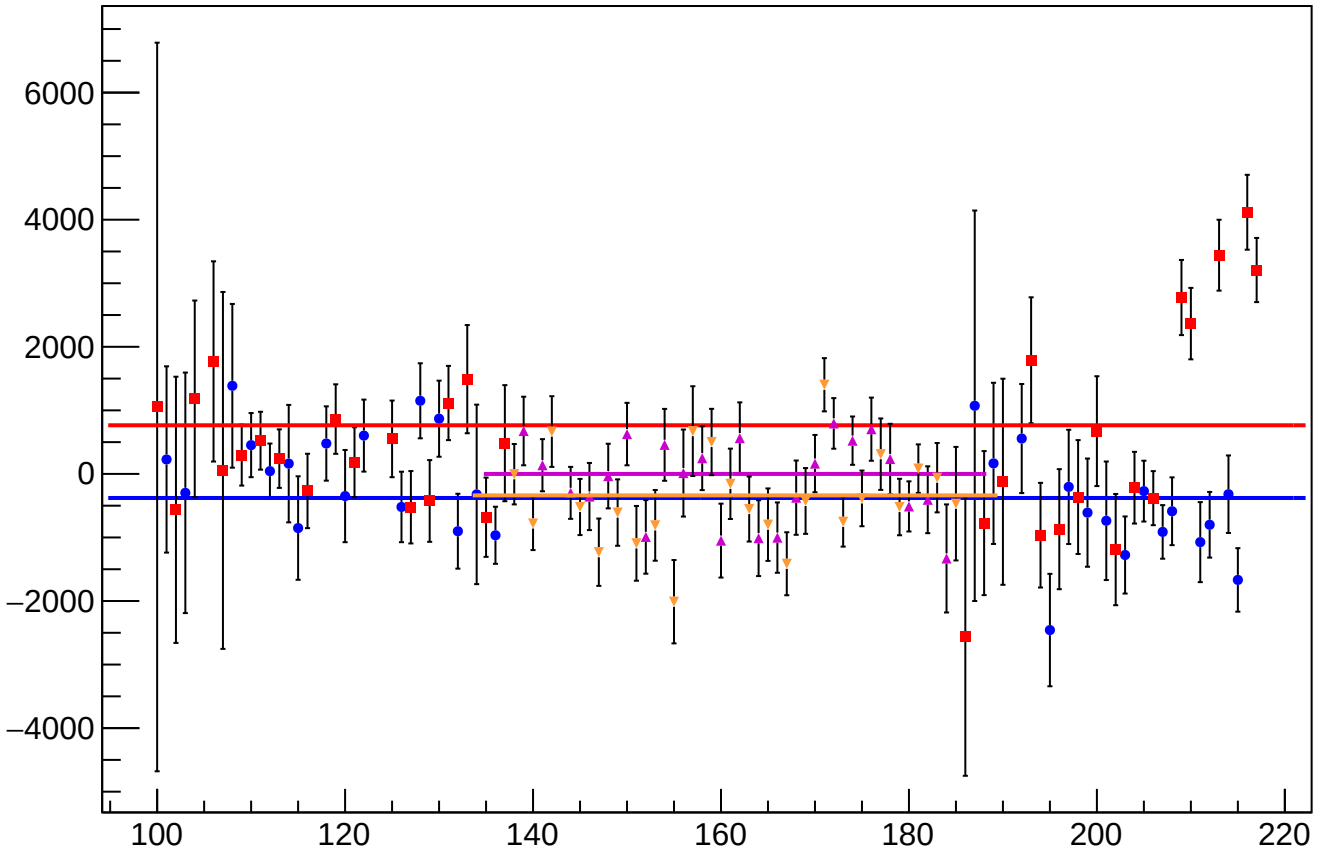
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1115.179+/-0.126 χ^2/NDF: 903617.5/64

In: 1096.856+/-0.127 χ^2/NDF:711184.3/53

Out: 1101.425+/-0.126 χ^2/NDF:335125.4/57

All: 1099.167+/-0.089 χ^2/NDF: 1046963.4/11



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: 765.334+/-115.807 χ^2/NDF: 151.3/33

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

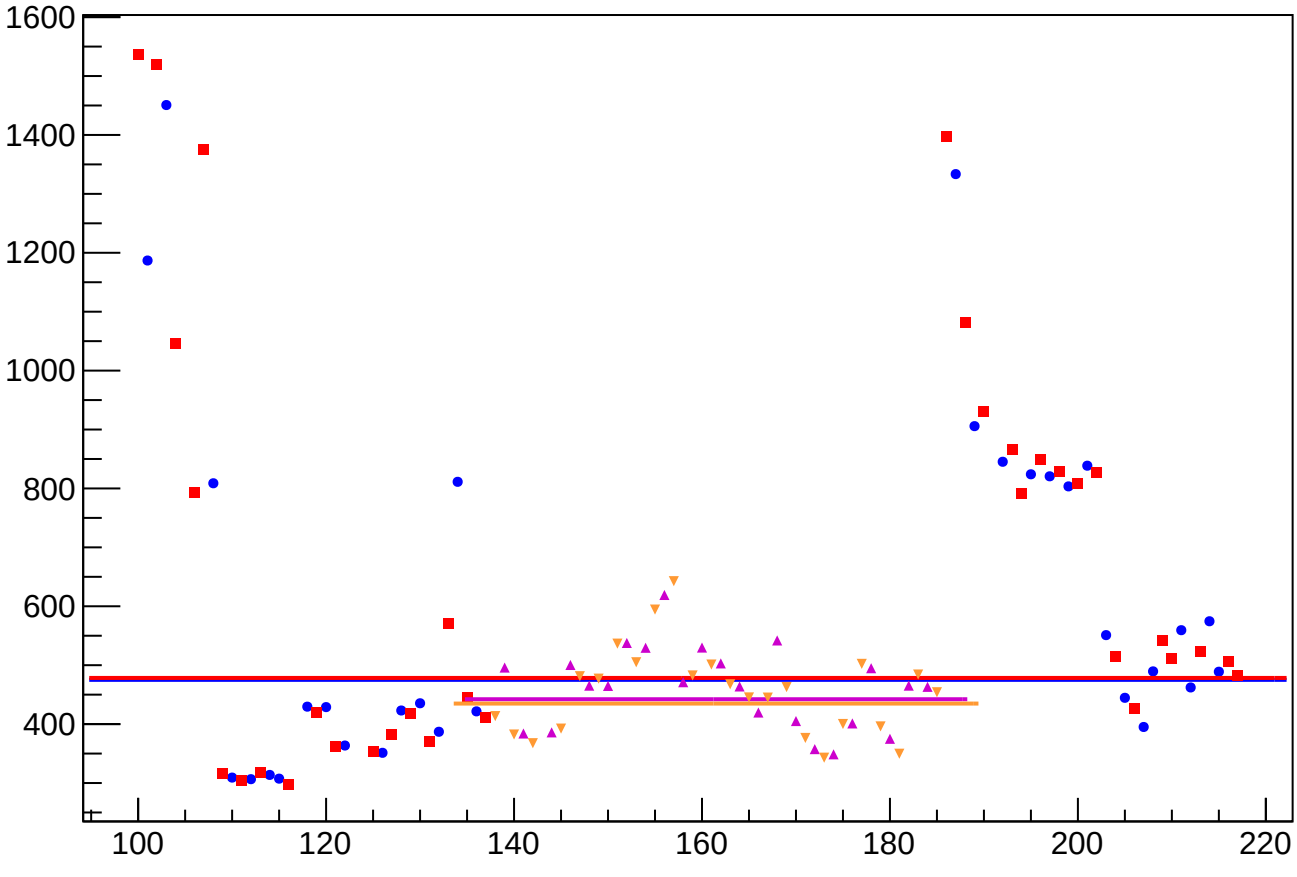
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 192.490+/-81.829 χ^2/NDF: 245.2/64

In: -170.966+/-77.628 χ^2/NDF:82.8/53

Out: 147.297+/-76.796 χ^2/NDF:250.9/57

All: -10.120+/-54.595 χ^2/NDF: 342.2/111



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: 478.364+/-0.082 χ^2/NDF: 5427596.2/33

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

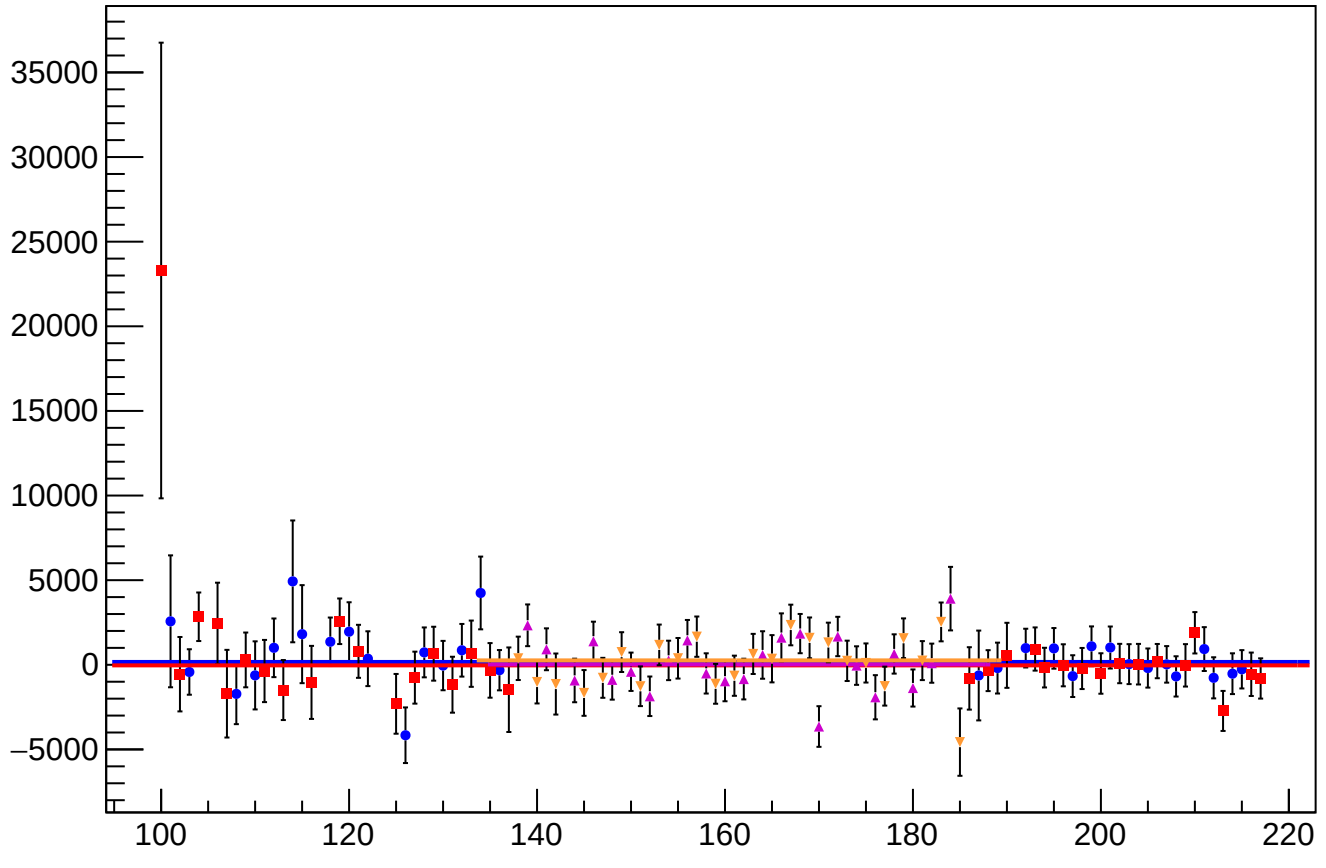
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 476.737+/-0.058 χ^2/NDF: 9810124.6/64

In: 457.038+/-0.055 χ^2/NDF:5296549.1/53

Out: 453.989+/-0.054 χ^2/NDF:6464255.4/57

All: 455.497+/-0.039 χ^2/NDF: 11762363.9/1



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: -33.830+/-251.051 χ^2/NDF: 26.0/33

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

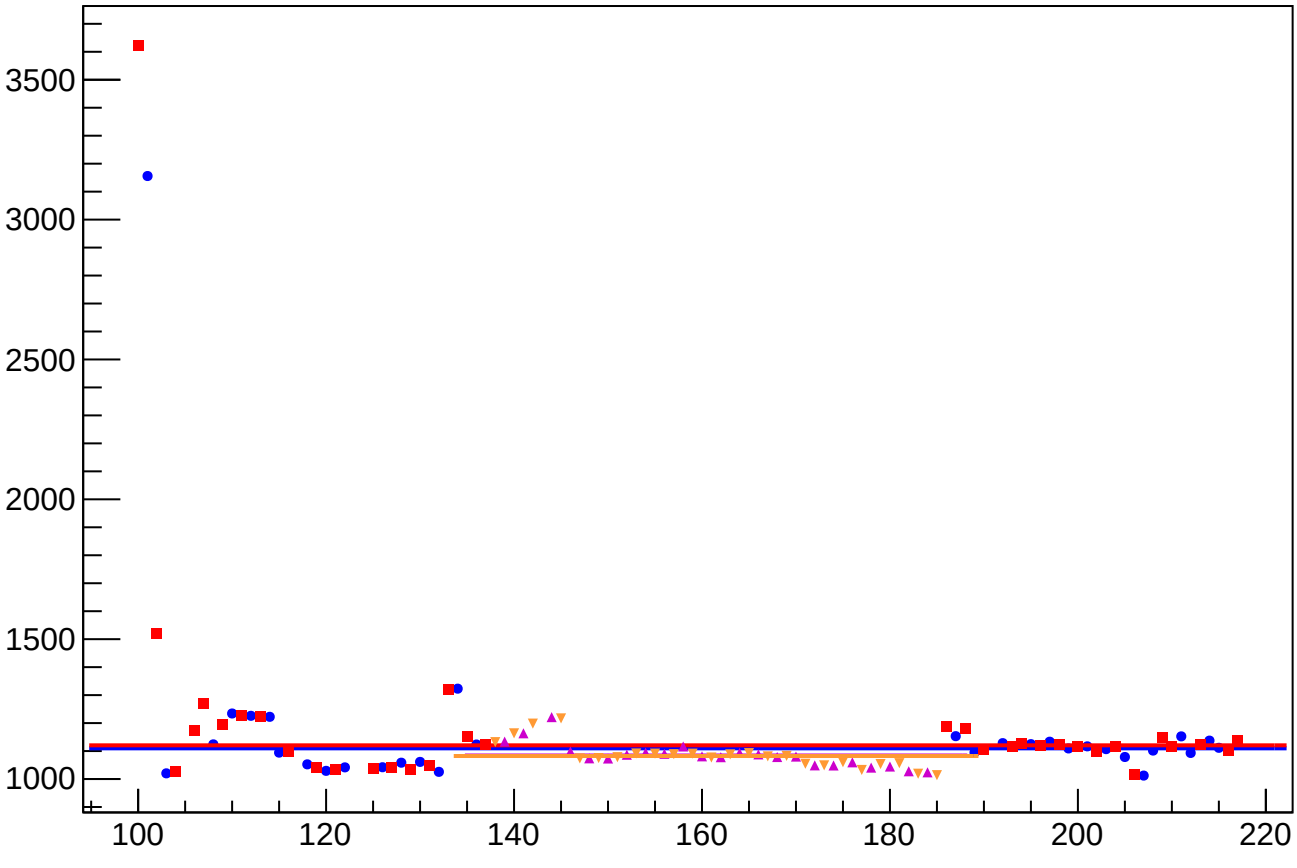
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 65.832+/-178.866 χ^2/NDF: 48.0/64

In: 95.017+/-179.686 χ^2/NDF:57.7/53

Out: 113.200+/-177.643 χ^2/NDF:54.9/57

All: 104.212+/-126.329 χ^2/NDF: 112.6/111



Right In: 1109.705+/-0.180 χ^2/NDF: 647645.5/30

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.488+/-0.178 χ^2/NDF: 254155.0/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

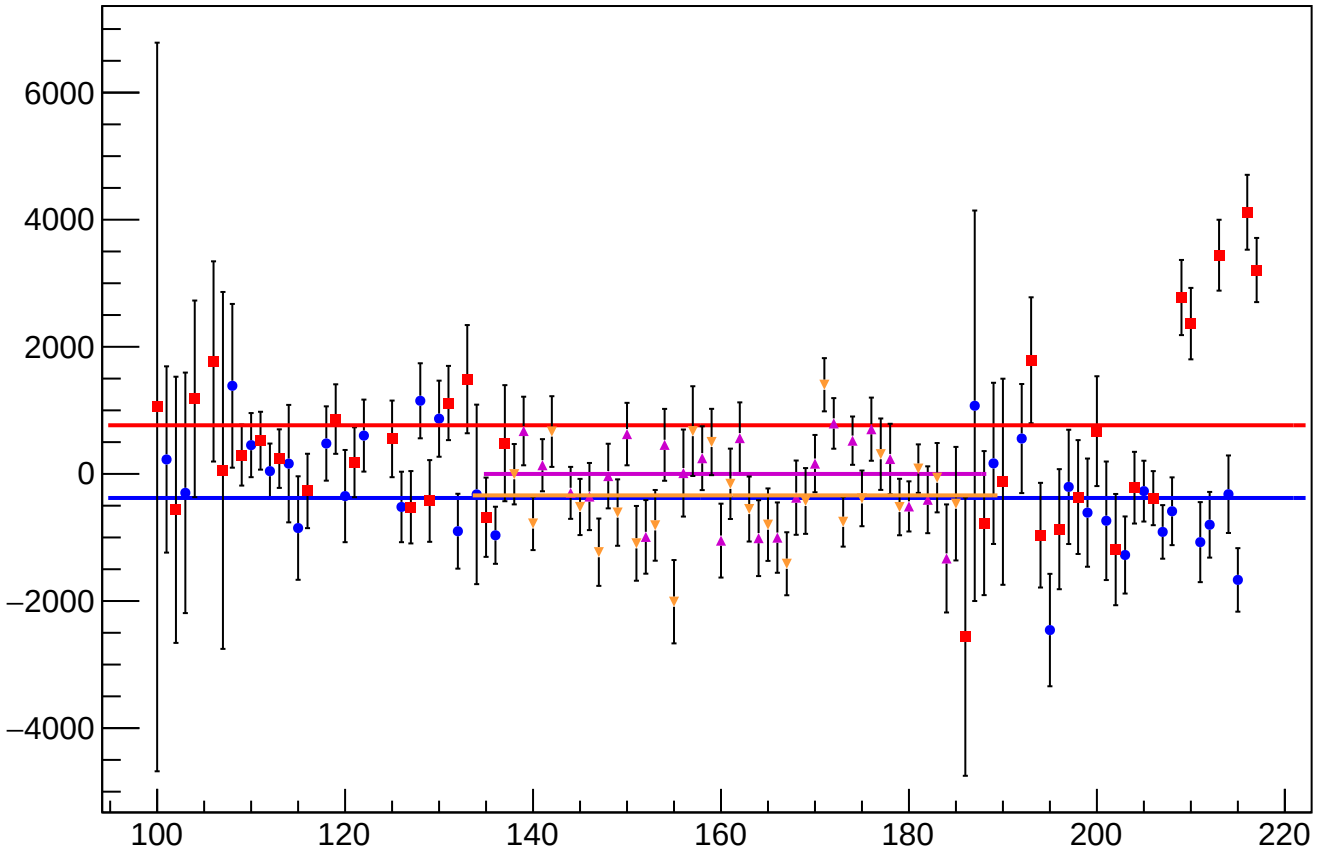
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1115.179+/-0.126 χ^2/NDF: 903617.5/64

In: 1096.856+/-0.127 χ^2/NDF:711184.3/53

Out: 1101.425+/-0.126 χ^2/NDF:335125.4/57

All: 1099.167+/-0.089 χ^2/NDF: 1046963.4/11



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: 765.334+/-115.807 χ^2/NDF: 151.3/33

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

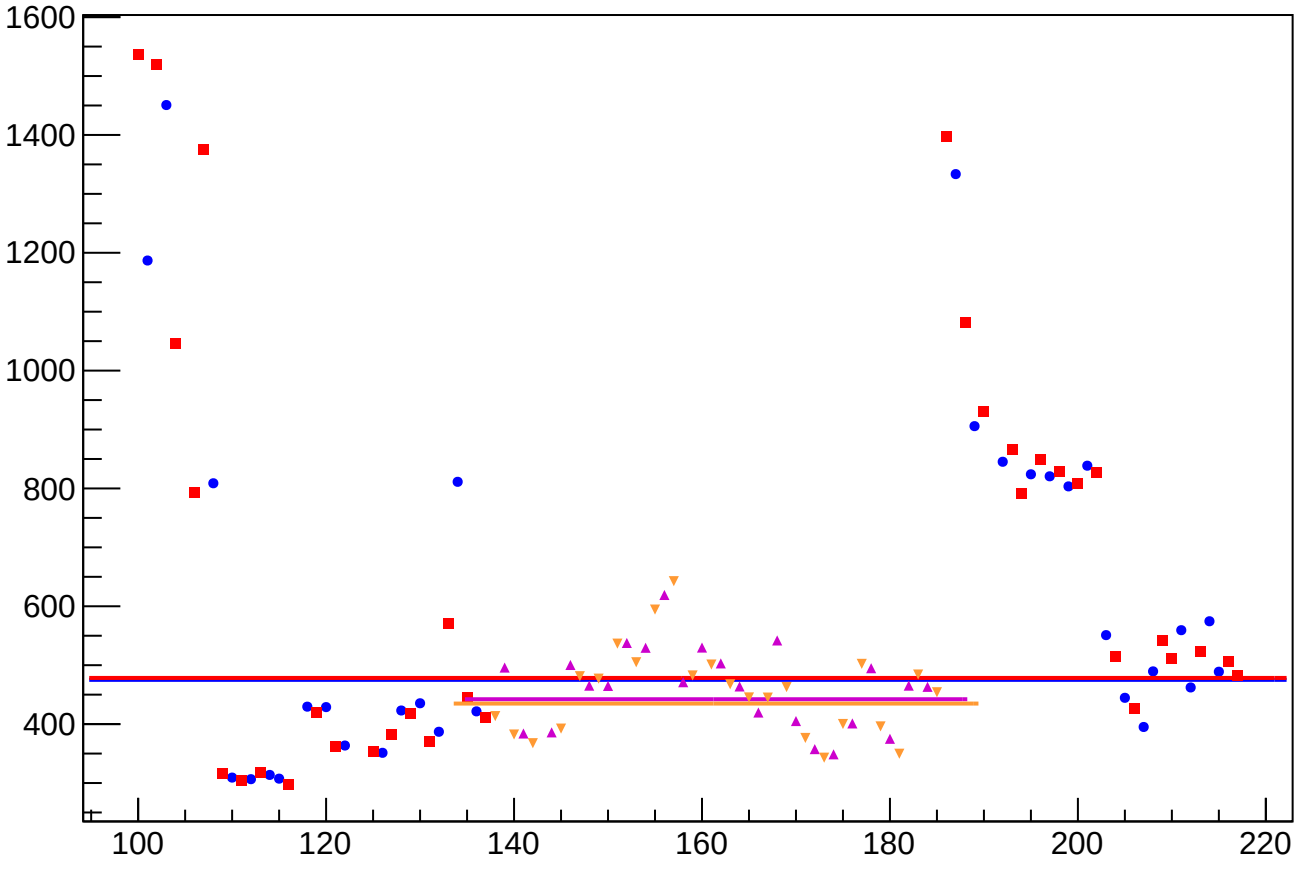
Right: 192.490+/-81.829 χ^2/NDF: 245.2/64

In: -170.966+/-77.628 χ^2/NDF:82.8/53

Out: 147.297+/-76.796 χ^2/NDF:250.9/57

All: -10.120+/-54.595 χ^2/NDF: 342.2/111

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: 478.364+/-0.082 χ^2/NDF: 5427596.2/33

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

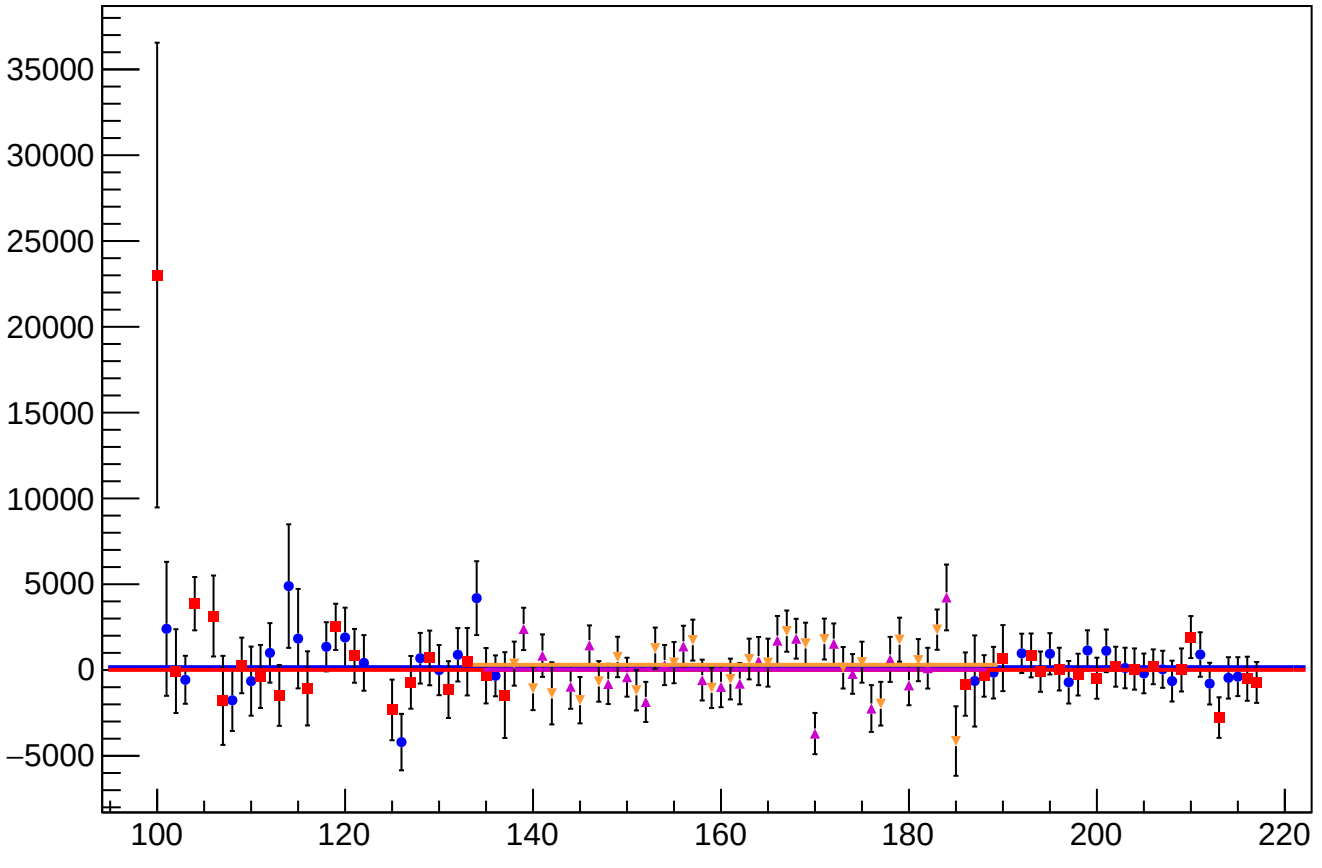
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 476.737+/-0.058 χ^2/NDF: 9810124.6/64

In: 457.038+/-0.055 χ^2/NDF:5296549.1/53

Out: 453.989+/-0.054 χ^2/NDF:6464255.4/57

All: 455.497+/-0.039 χ^2/NDF: 11762363.9/1



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: 9.827+/-252.161 χ^2/NDF: 28.8/33

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

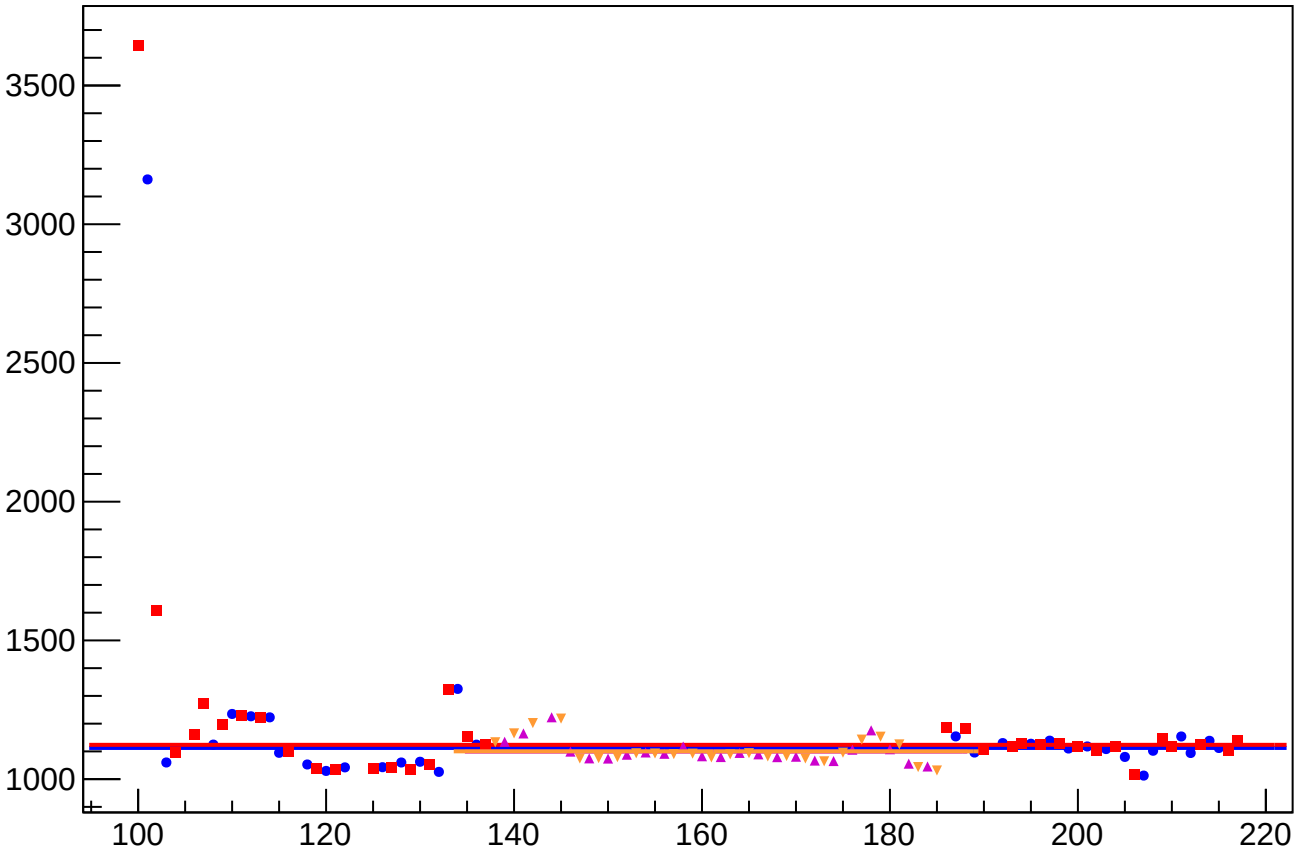
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 87.203+/-179.485 χ^2/NDF: 50.8/64

In: 96.358+/-181.158 χ^2/NDF:57.8/53

Out: 154.652+/-179.493 χ^2/NDF:57.9/57

All: 125.774+/-127.506 χ^2/NDF: 115.8/111



Right In: 1112.468+/-0.181 χ^2/NDF: 642473.2/30

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1123.667+/-0.178 χ^2/NDF: 259888.8/33

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

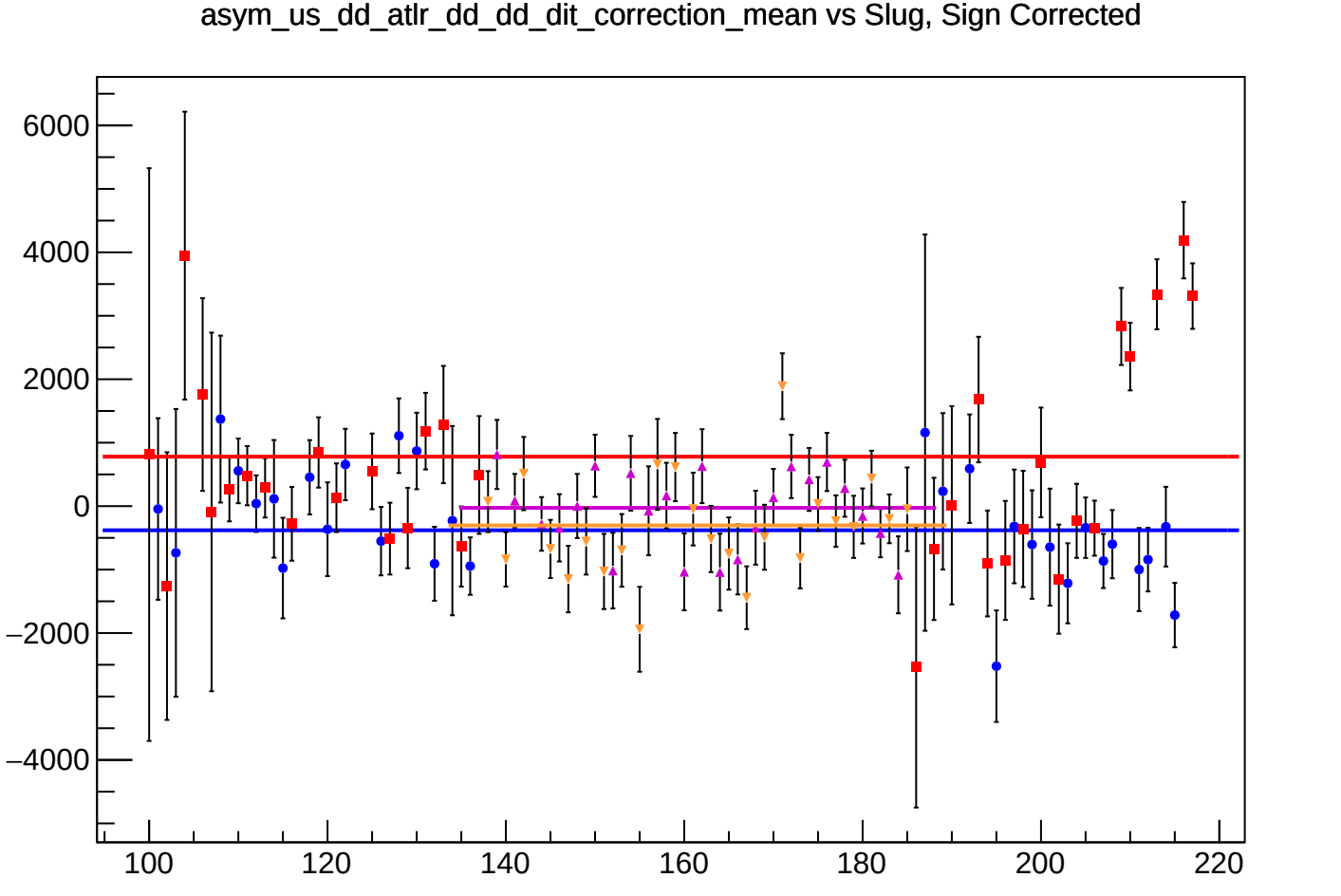
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1118.142+/-0.127 χ^2/NDF: 904308.1/64

In: 1105.939+/-0.128 χ^2/NDF:689883.8/53

Out: 1112.119+/-0.127 χ^2/NDF:317165.8/57

All: 1109.058+/-0.090 χ^2/NDF: 1008224.0/11



Right In: -380.405+/-116.250 χ^2/NDF: 45.4/30

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 779.676+/-117.184 χ^2/NDF: 151.3/33

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

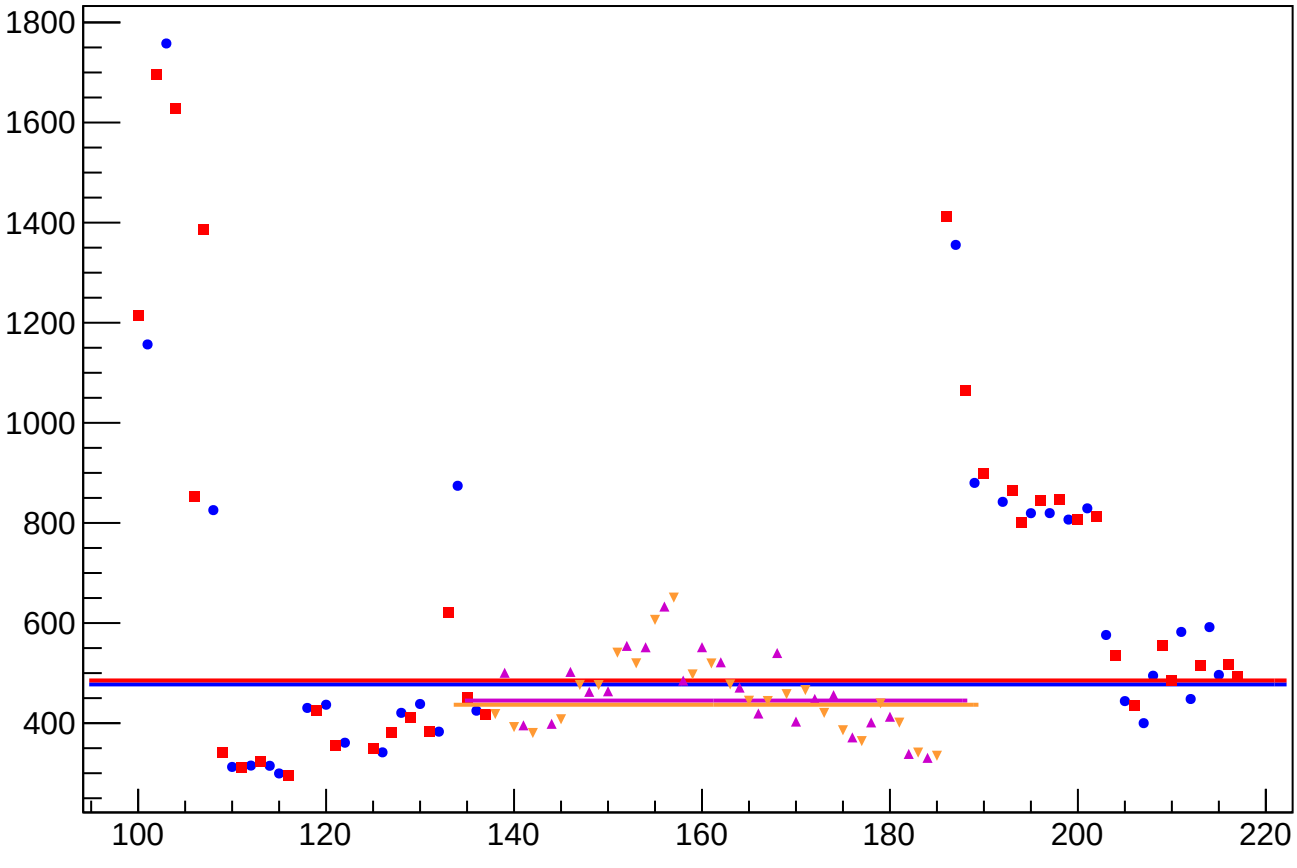
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: 194.992+/-82.529 χ^2/NDF: 246.1/64

In: -186.336+/-78.092 χ^2/NDF:78.3/53

Out: 168.652+/-77.355 χ^2/NDF:249.0/57

All: -7.158+/-54.957 χ^2/NDF: 337.8/111



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: 485.306+/-0.083 χ^2/NDF: 5740939.8/33

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

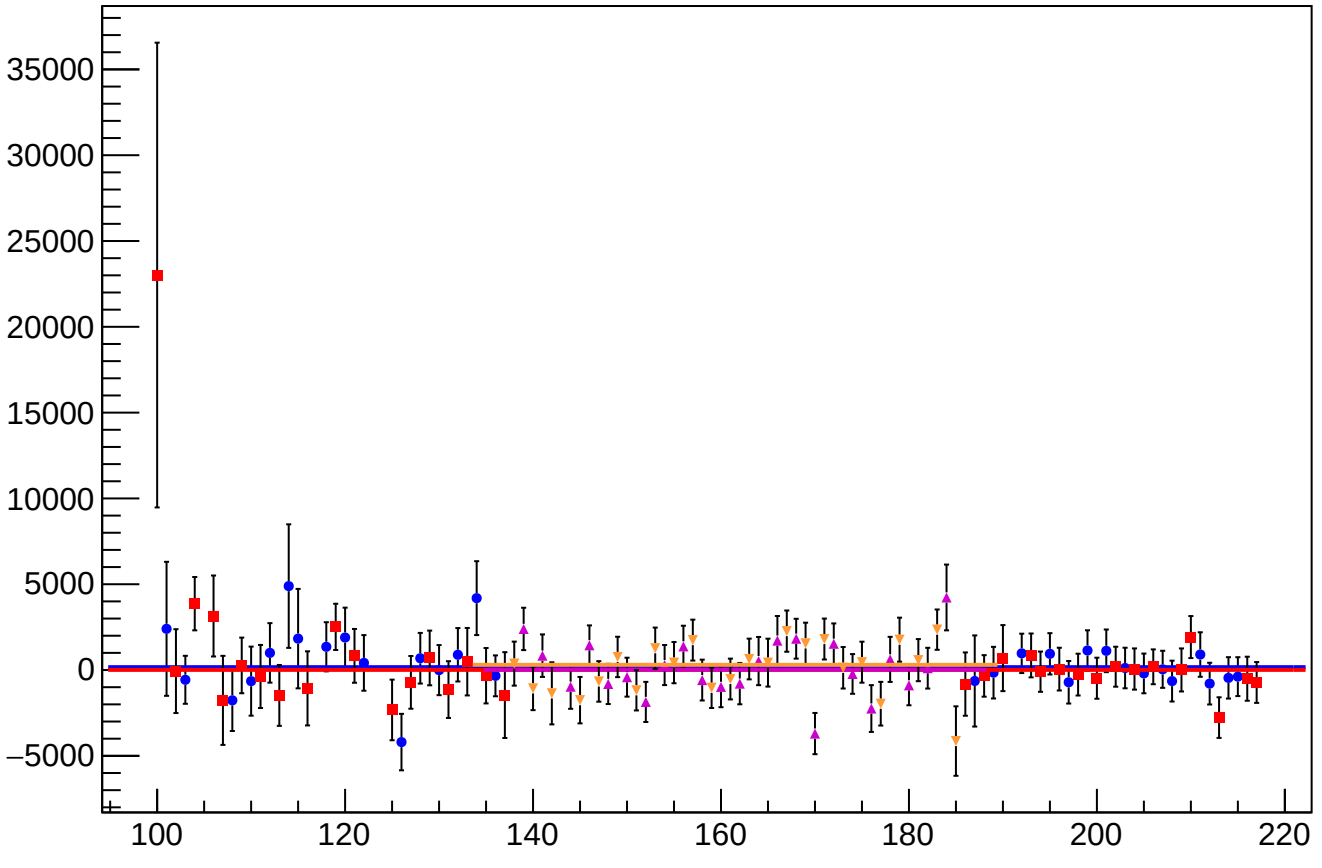
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 481.333+/-0.058 χ^2/NDF: 10262734.4/64

In: 459.691+/-0.055 χ^2/NDF:5476572.5/53

Out: 457.929+/-0.055 χ^2/NDF:6789605.2/57

All: 458.802+/-0.039 χ^2/NDF: 12266691.8/1



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: 9.827+/-252.161 χ^2/NDF: 28.8/33

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

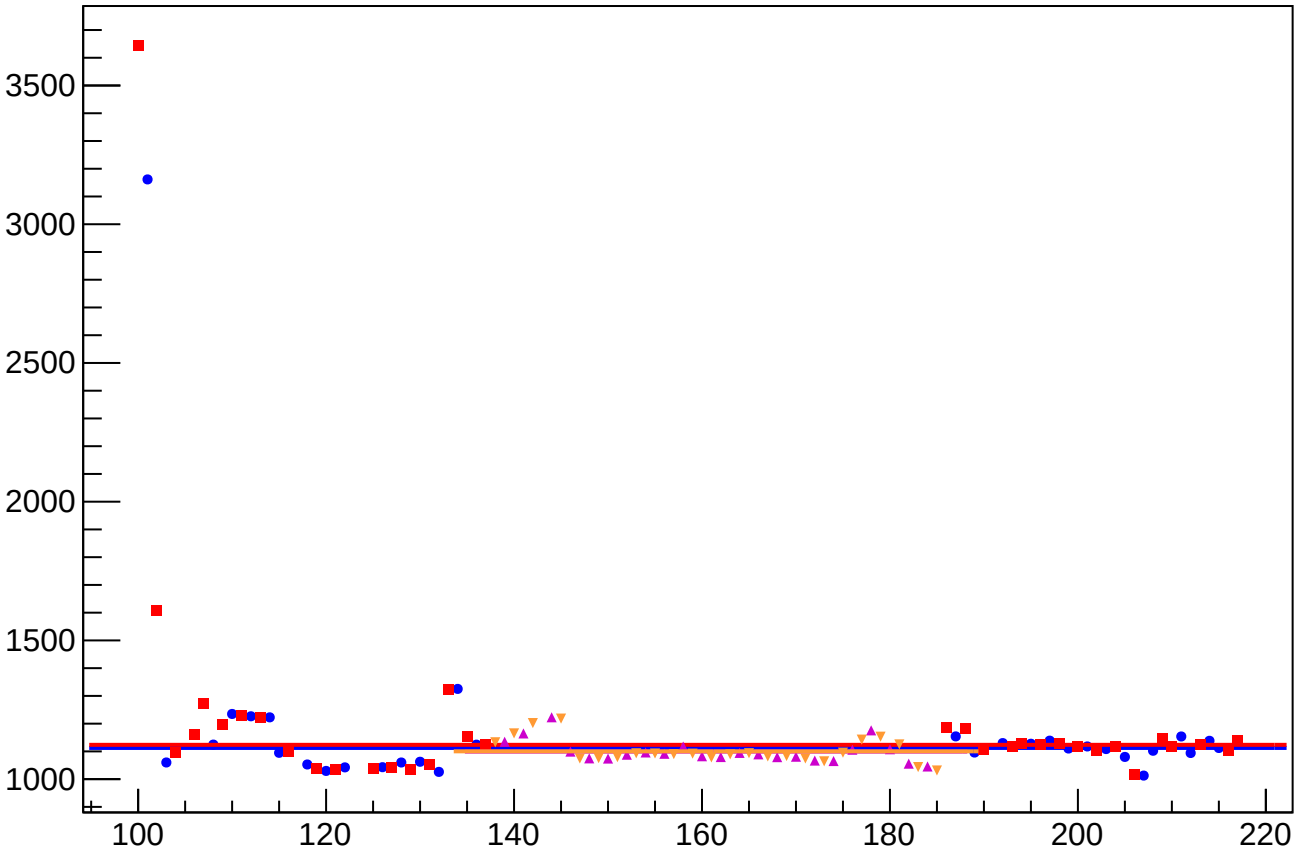
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 87.202+/-179.485 χ^2/NDF: 50.8/64

In: 96.358+/-181.158 χ^2/NDF:57.8/53

Out: 154.651+/-179.493 χ^2/NDF:57.9/57

All: 125.774+/-127.506 χ^2/NDF: 115.8/111



Right In: 1112.468+/-0.181 χ^2/NDF: 642473.2/30

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1123.667+/-0.178 χ^2/NDF: 259888.9/33

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

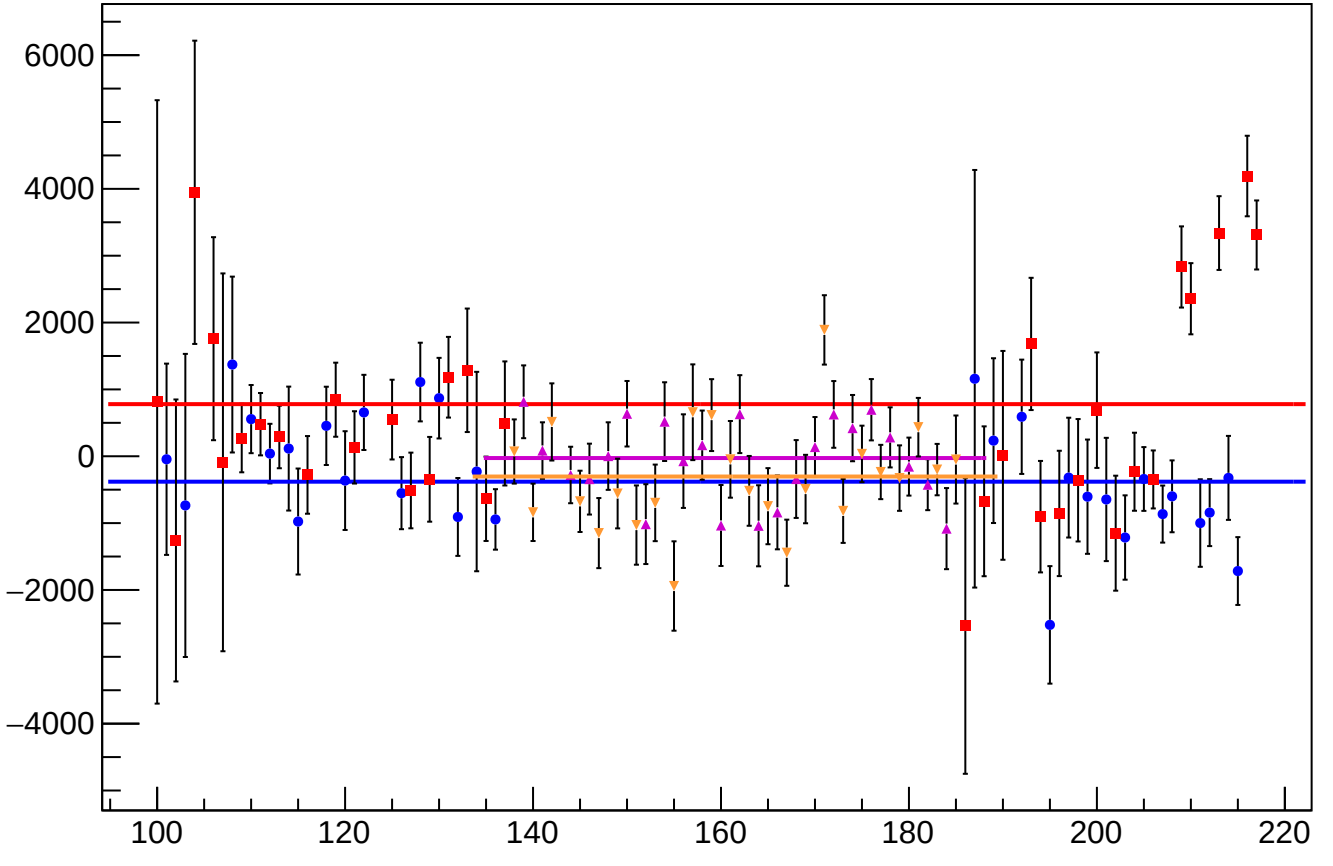
Right: 1118.142+/-0.127 χ^2/NDF: 904308.3/64

In: 1105.939+/-0.128 χ^2/NDF:689883.9/53

Out: 1112.119+/-0.127 χ^2/NDF:317166.1/57

All: 1109.058+/-0.090 χ^2/NDF: 1008224.4/11

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -380.408+/-116.249 χ^2/NDF: 45.4/30

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 779.664+/-117.184 χ^2/NDF: 151.3/33

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

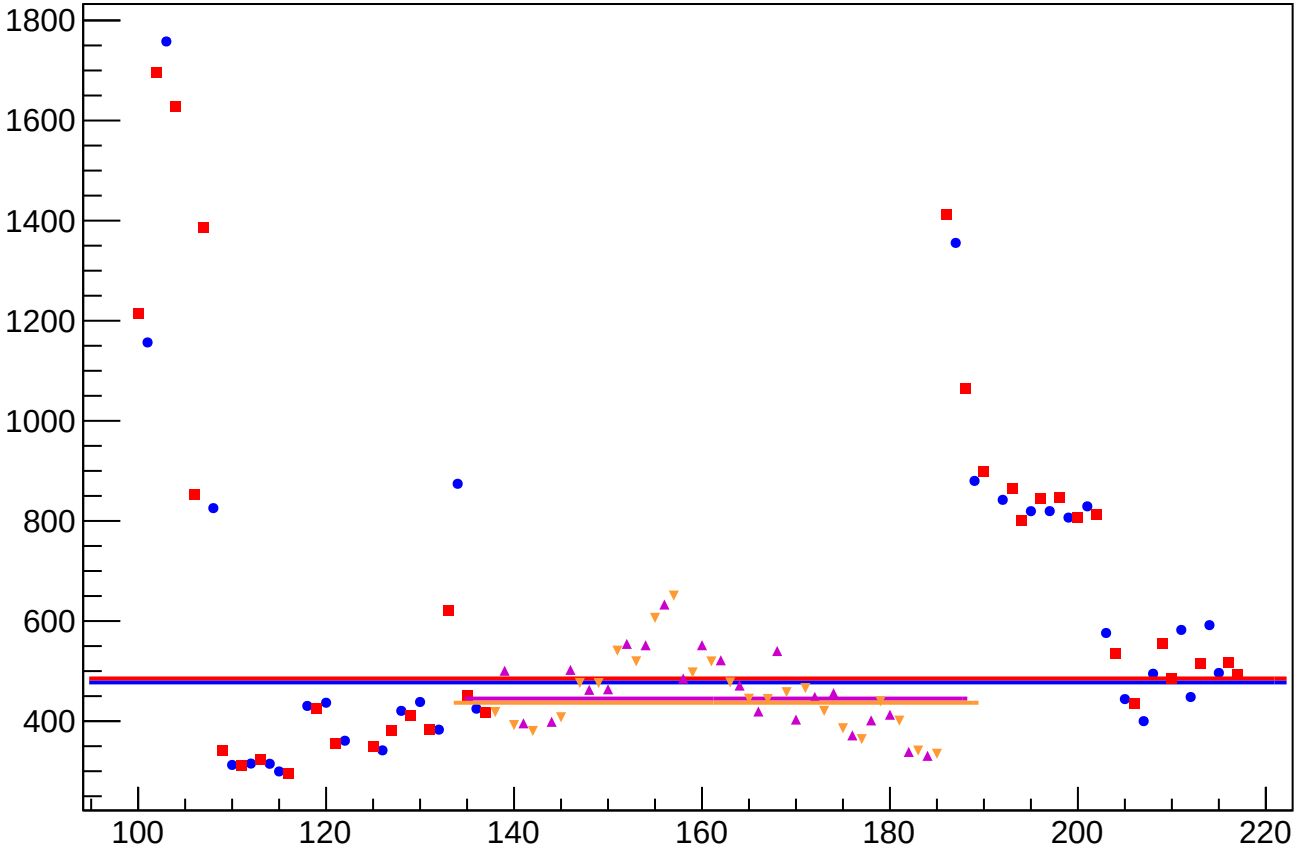
Right: 194.985+/-82.529 χ^2/NDF: 246.1/64

In: -186.337+/-78.092 χ^2/NDF:78.3/53

Out: 168.647+/-77.355 χ^2/NDF:249.0/57

All: -7.161+/-54.957 χ^2/NDF: 337.8/111

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: 485.304+/-0.083 χ^2/NDF: 5741010.5/33

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

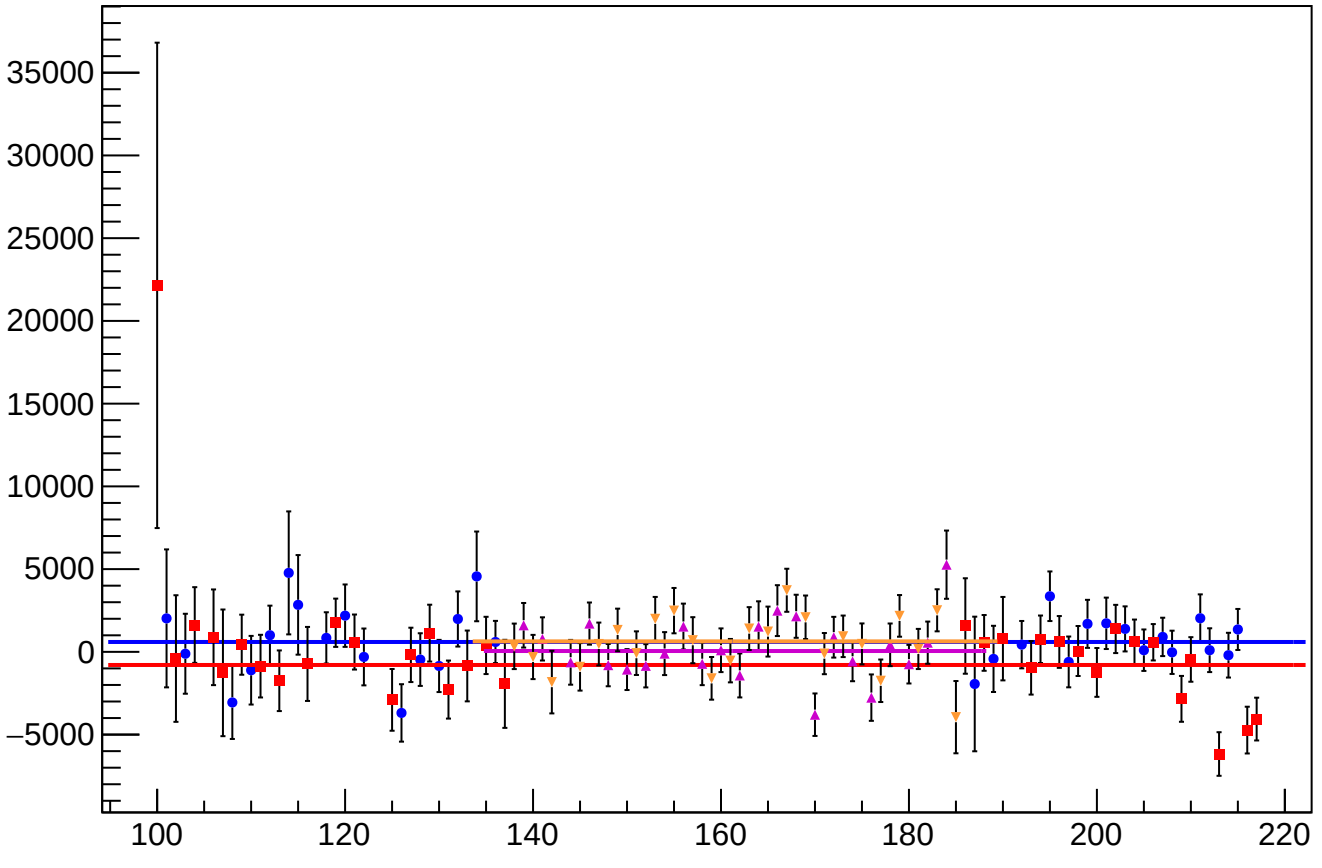
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 481.331+/-0.058 χ^2/NDF: 10262839.2/64

In: 459.690+/-0.055 χ^2/NDF:5476630.7/53

Out: 457.928+/-0.055 χ^2/NDF:6789691.6/57

All: 458.801+/-0.039 χ^2/NDF: 12266836.3/1



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: -792.801+/-291.342 χ^2/NDF: 54.5/33

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

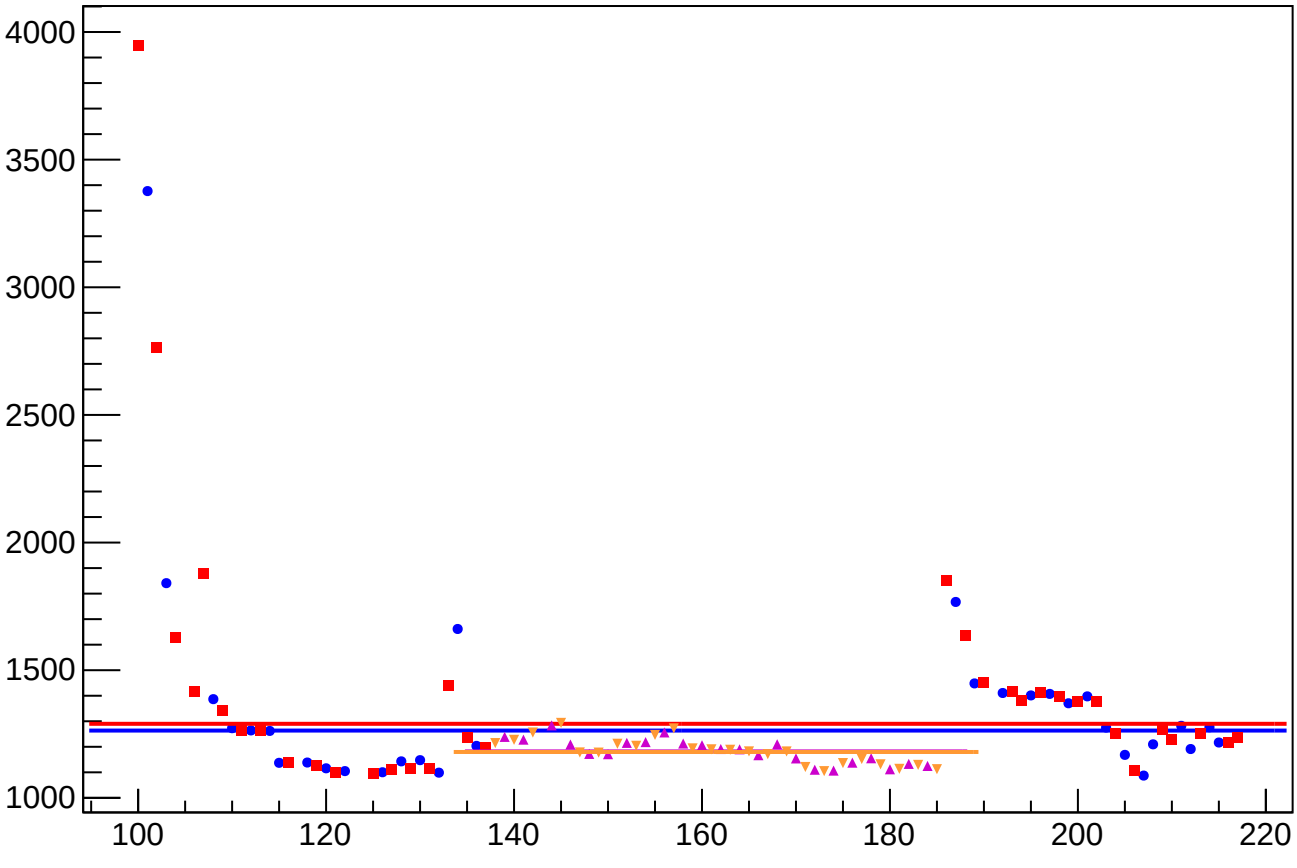
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: -98.613+/-206.133 χ^2/NDF: 91.0/64

In: 309.156+/-200.561 χ^2/NDF:62.0/53

Out: -36.428+/-199.620 χ^2/NDF:97.3/57

All: 135.552+/-141.484 χ^2/NDF: 160.8/111



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: 1290.043+/-0.206 χ^2/NDF: 918824.6/33

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

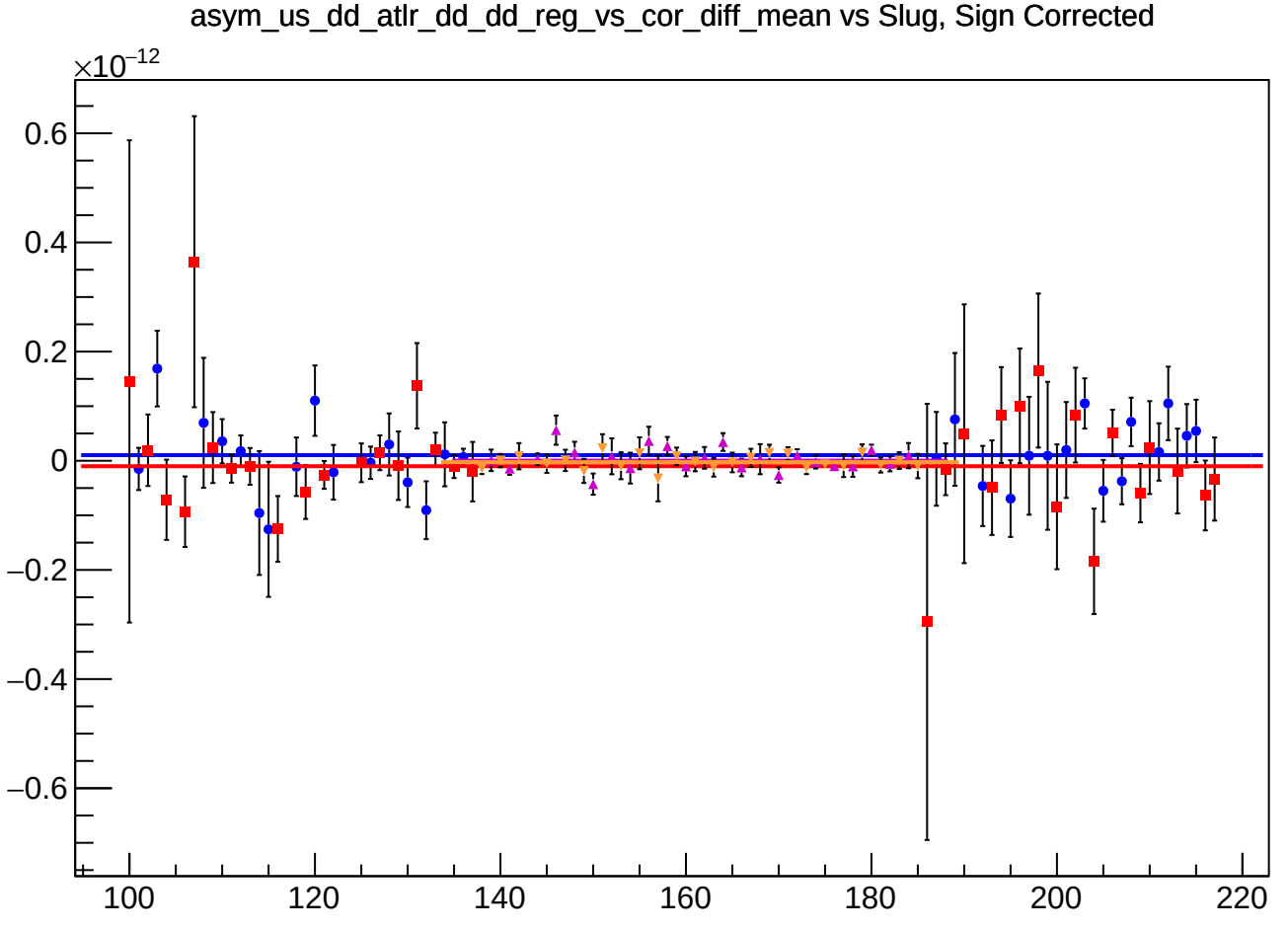
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1276.824+/-0.146 χ^2/NDF: 1914353.4/64

In: 1220.528+/-0.142 χ^2/NDF:1130252.4/53

Out: 1231.509+/-0.141 χ^2/NDF:1135659.9/57

All: 1226.044+/-0.100 χ^2/NDF: 2268924.3/11



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: 28.3/33

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

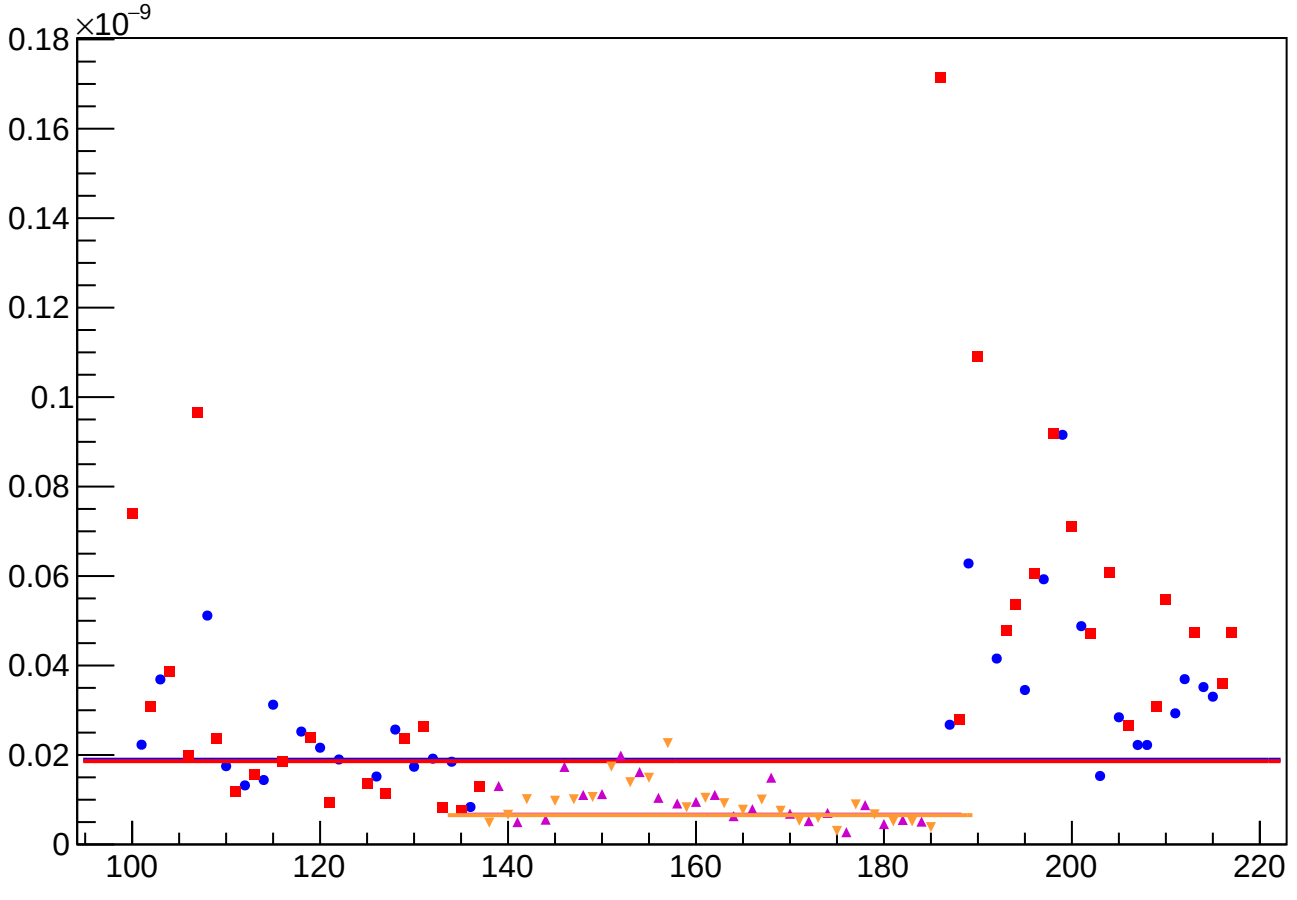
Right: 0.000+/-0.000 χ^2/NDF: 61.8/64

In: 0.000+/-0.000 χ^2/NDF:64.3/53

Out: -0.000+/-0.000 χ^2/NDF:39.5/57

All: -0.000+/-0.000 χ^2/NDF: 105.3/111

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: 6196945.7/33

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

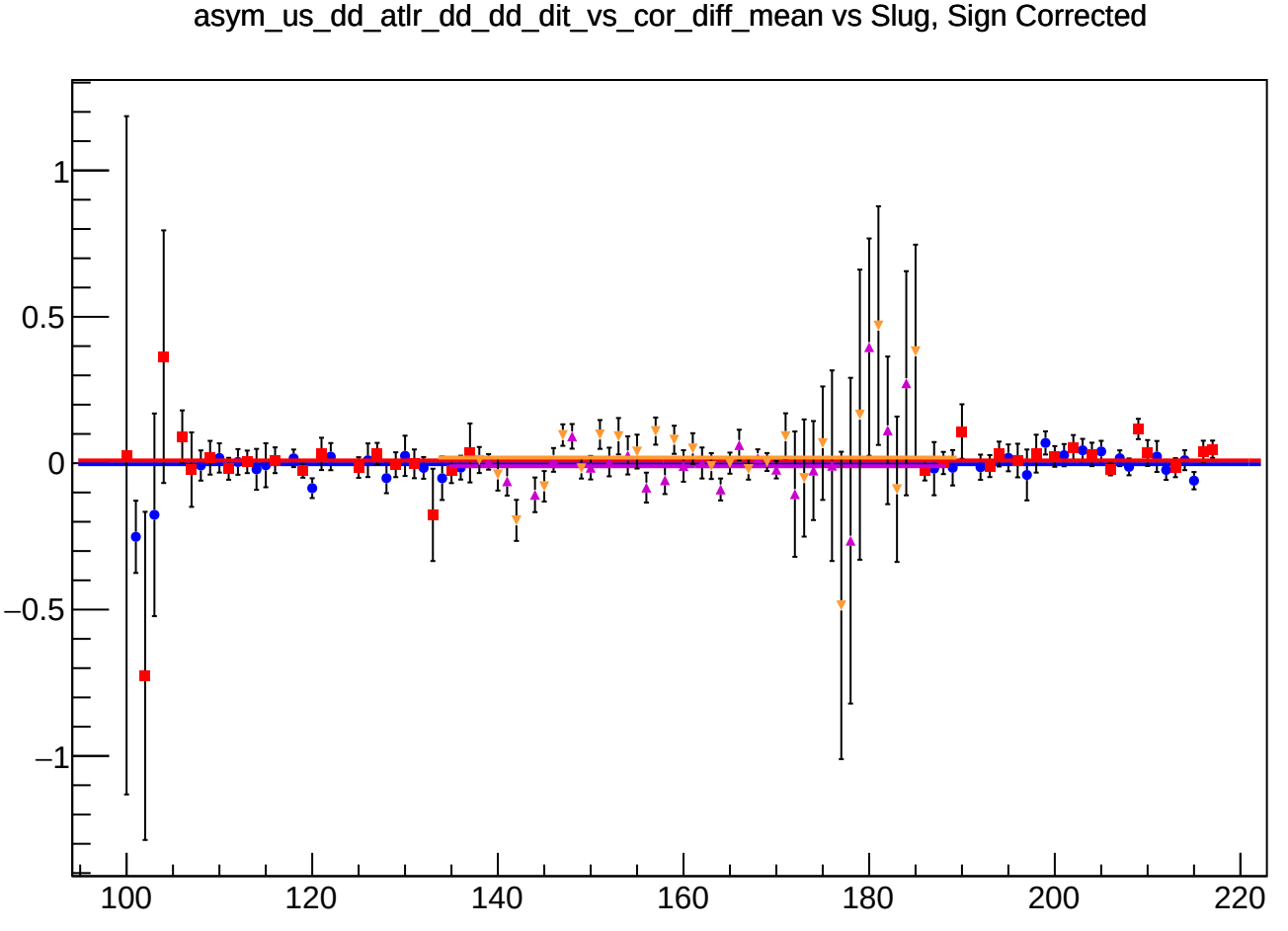
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 9885237.4/64

In: 0.000+/-0.000 χ^2/NDF:10117681.6/53

Out: 0.000+/-0.000 χ^2/NDF:12193666.4/57

All: 0.000+/-0.000 χ^2/NDF: 22316623.5/111



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: 0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

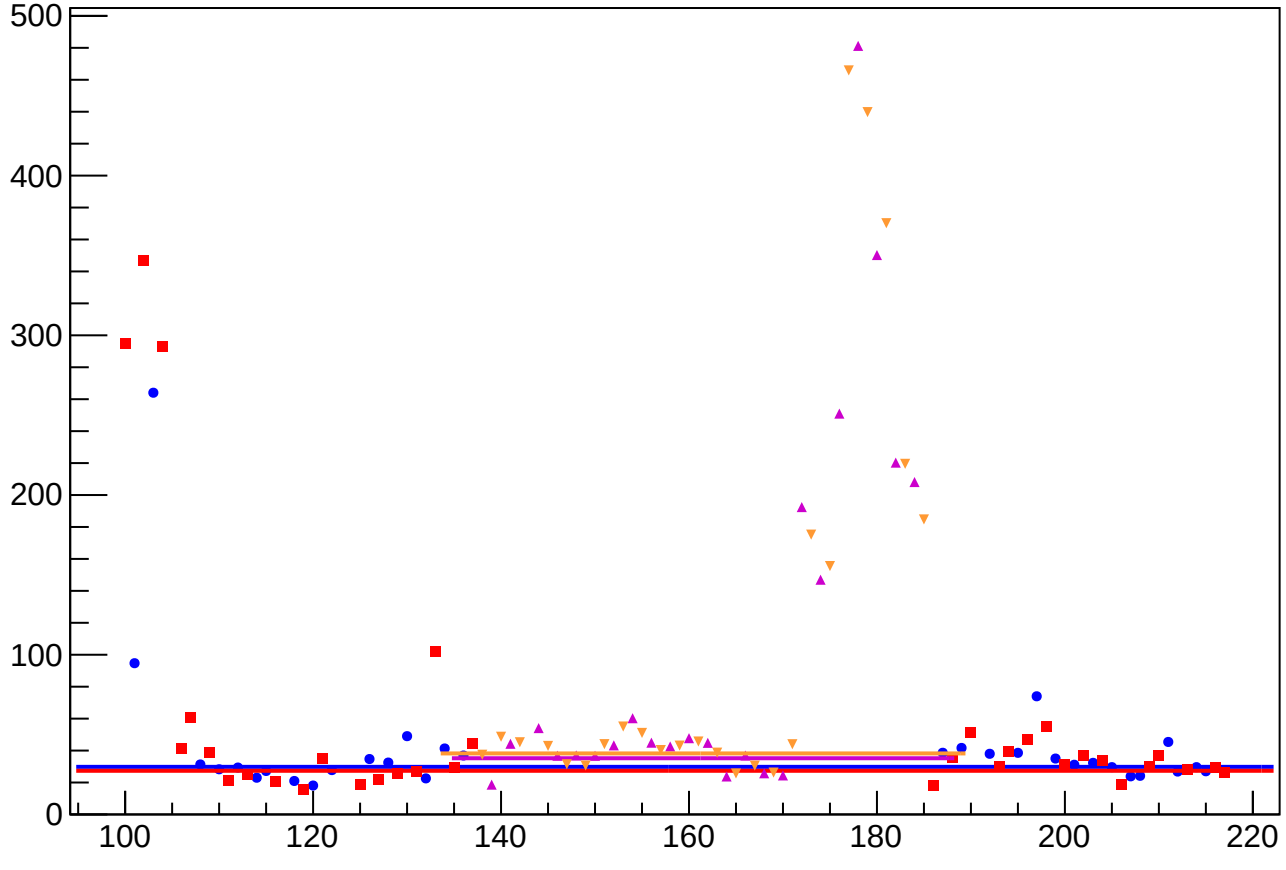
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.004+/-0.005 χ^2/NDF: 55.3/64

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.012+/-0.006 χ^2/NDF:65.0/57

All: 0.004+/-0.004 χ^2/NDF: 118.8/111



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: 27.343+/-0.005 χ^2/NDF: 4830153.3/33

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

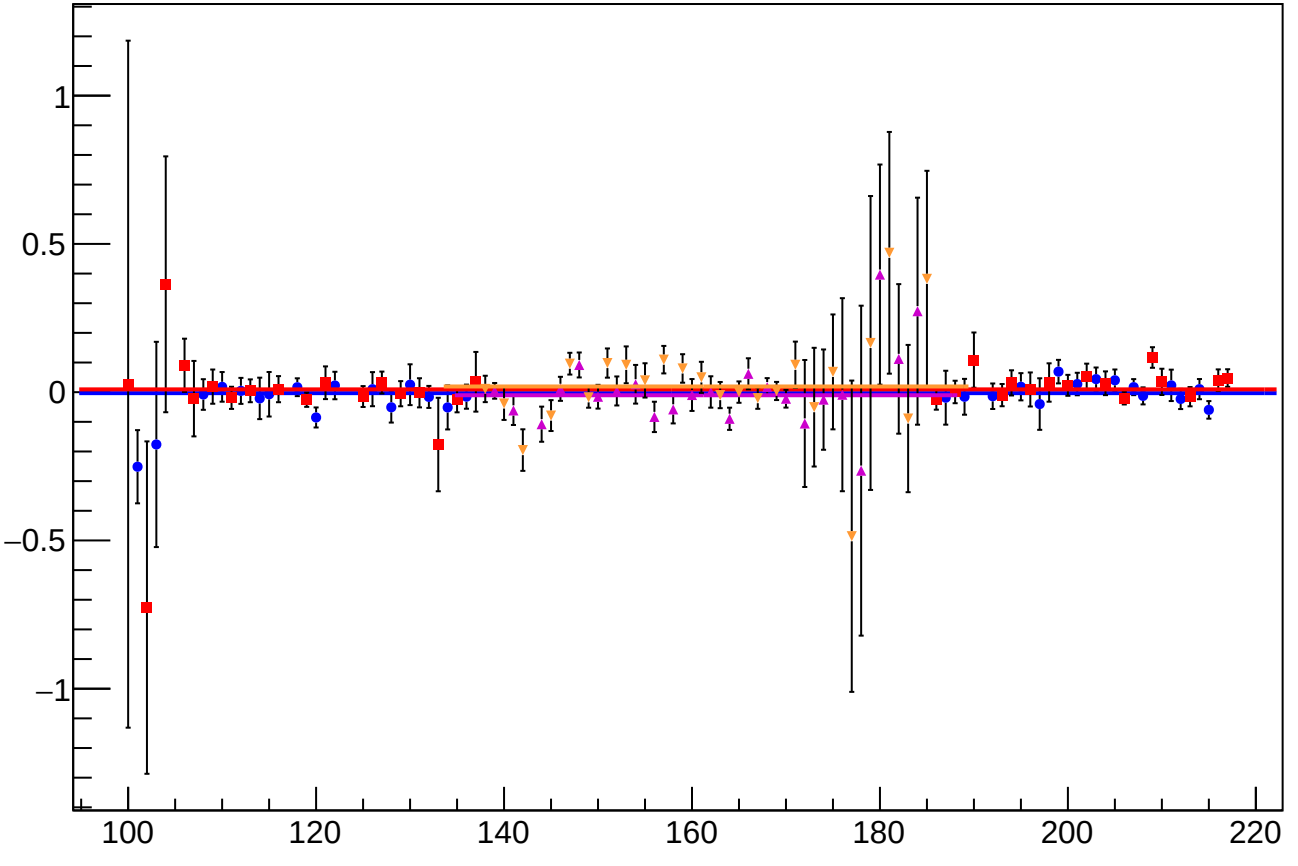
Right: 28.479+/-0.004 χ^2/NDF: 8392805.9/64

In: 31.762+/-0.004 χ^2/NDF:13195526.9/53

Out: 30.658+/-0.004 χ^2/NDF:14520772.3/57

All: 31.190+/-0.003 χ^2/NDF: 27749327.0/111

asym_us_dd_atlr_dd_dd_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: 0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

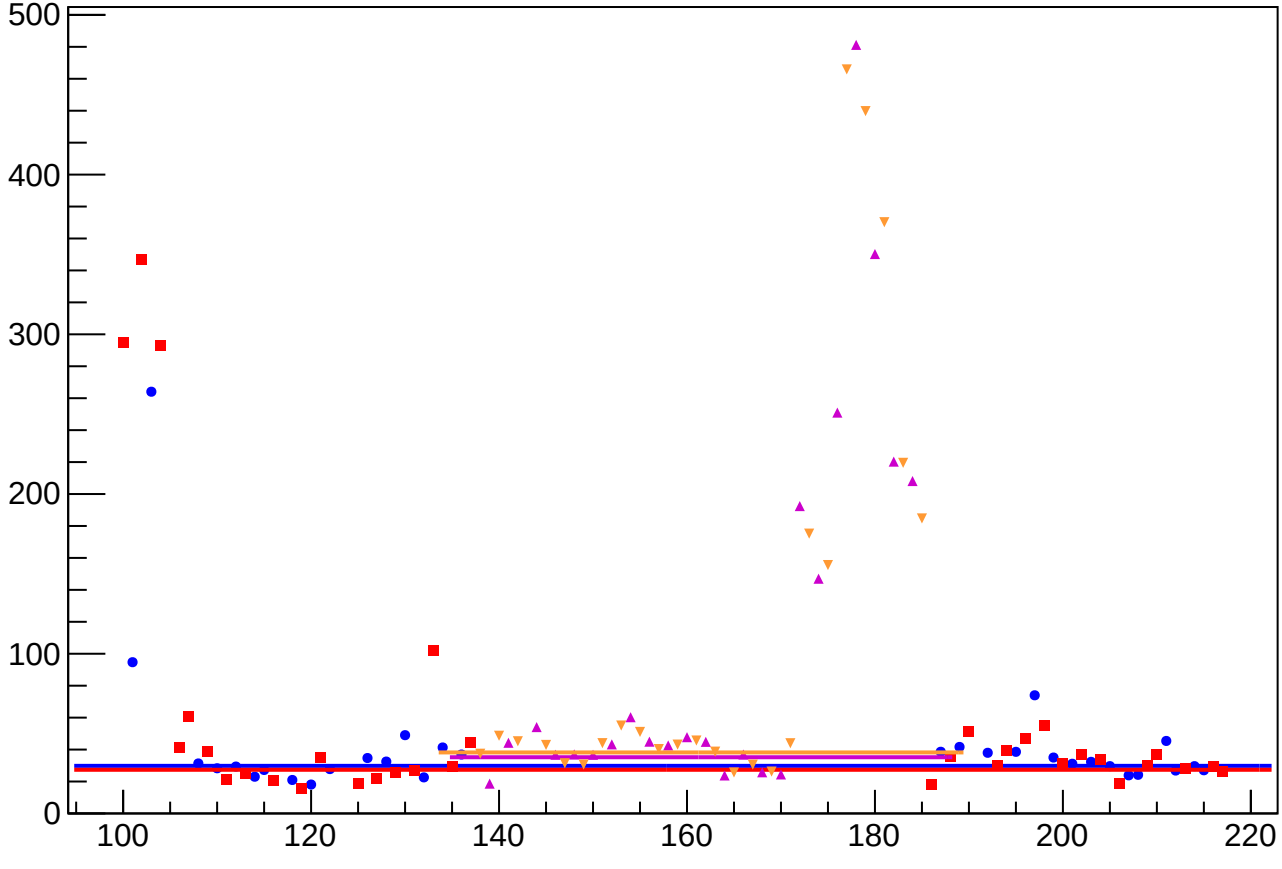
Right: 0.004+/-0.005 χ^2/NDF: 55.3/64

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.012+/-0.006 χ^2/NDF:65.0/57

All: 0.004+/-0.004 χ^2/NDF: 118.8/111

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.808+/-0.005 χ^2/NDF: 3453372.7/30

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.343+/-0.005 χ^2/NDF: 4830153.3/33

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

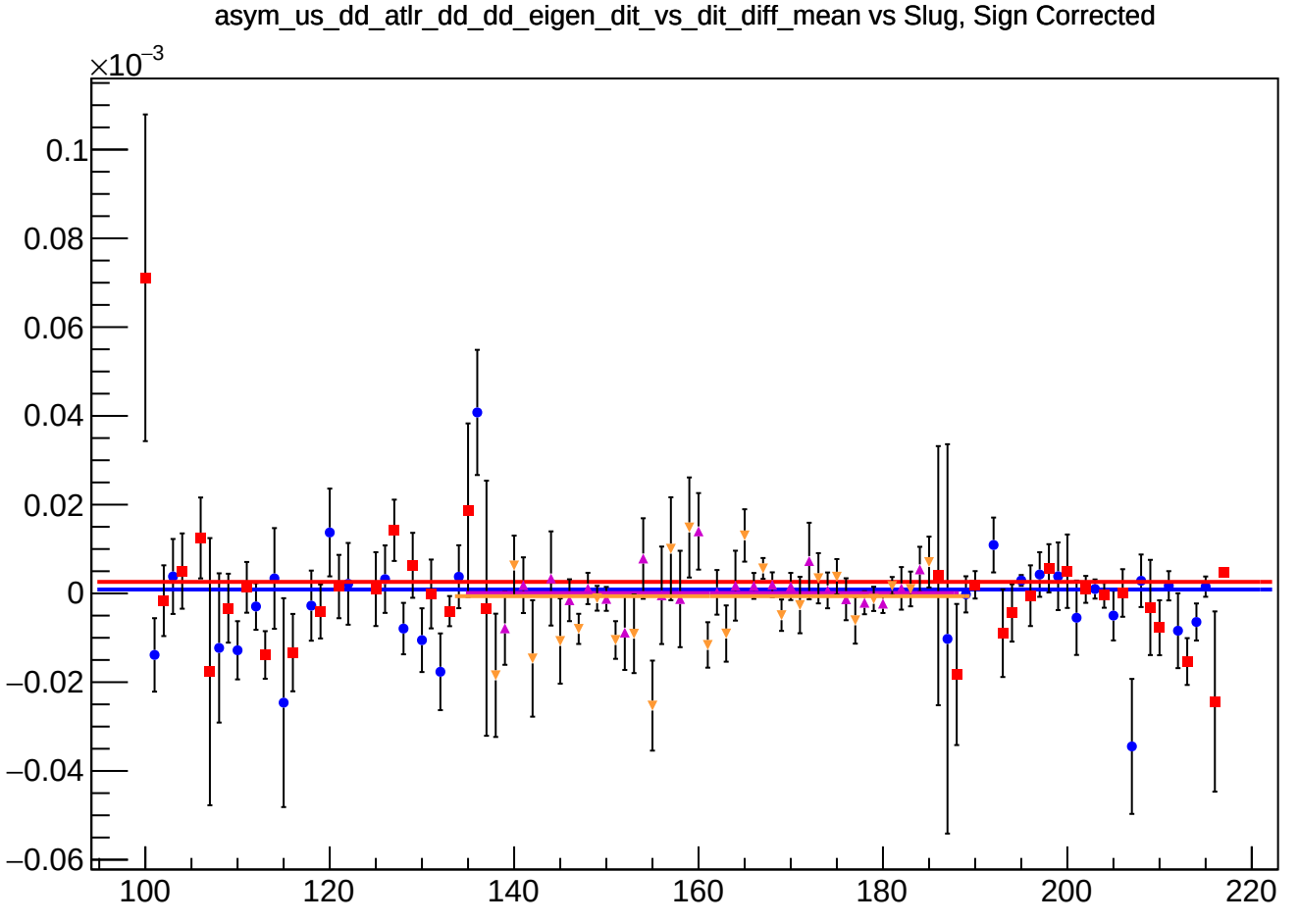
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.479+/-0.004 χ^2/NDF: 8392805.9/64

In: 31.762+/-0.004 χ^2/NDF:13195526.9/53

Out: 30.658+/-0.004 χ^2/NDF:14520772.3/57

All: 31.190+/-0.003 χ^2/NDF: 27749327.0/111



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: 58.0/33

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

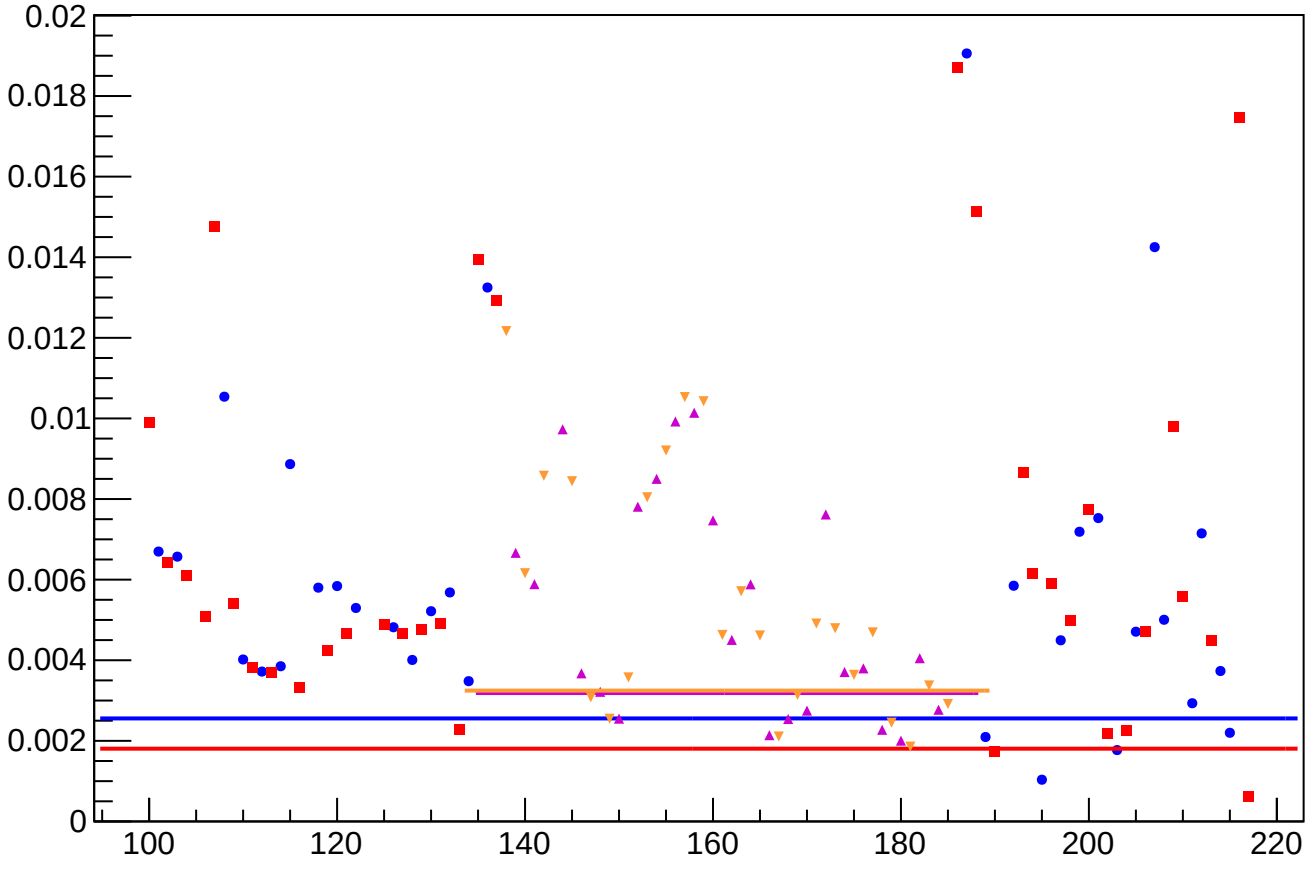
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 108.4/64

In: 0.000+/-0.000 χ^2/NDF:58.9/53

Out: 0.000+/-0.000 χ^2/NDF:118.1/57

All: 0.000+/-0.000 χ^2/NDF: 178.5/111



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: 0.002+/-0.000 χ^2/NDF: 20835552.0/33

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

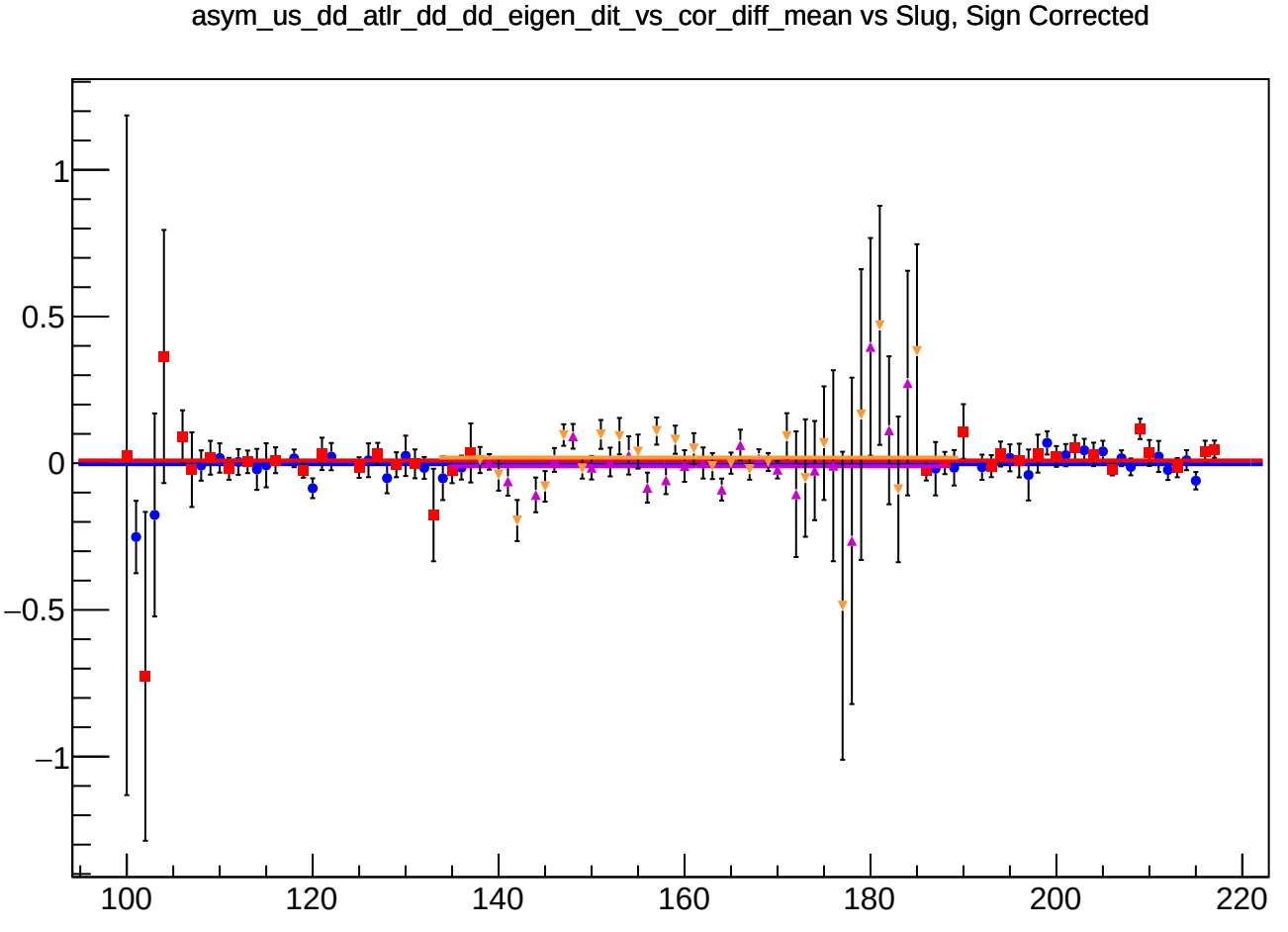
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.002+/-0.000 χ^2/NDF: 35141260.3/64

In: 0.003+/-0.000 χ^2/NDF:21070859.6/53

Out: 0.002+/-0.000 χ^2/NDF:32168816.0/57

All: 0.003+/-0.000 χ^2/NDF: 54169541.7/111



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: 0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

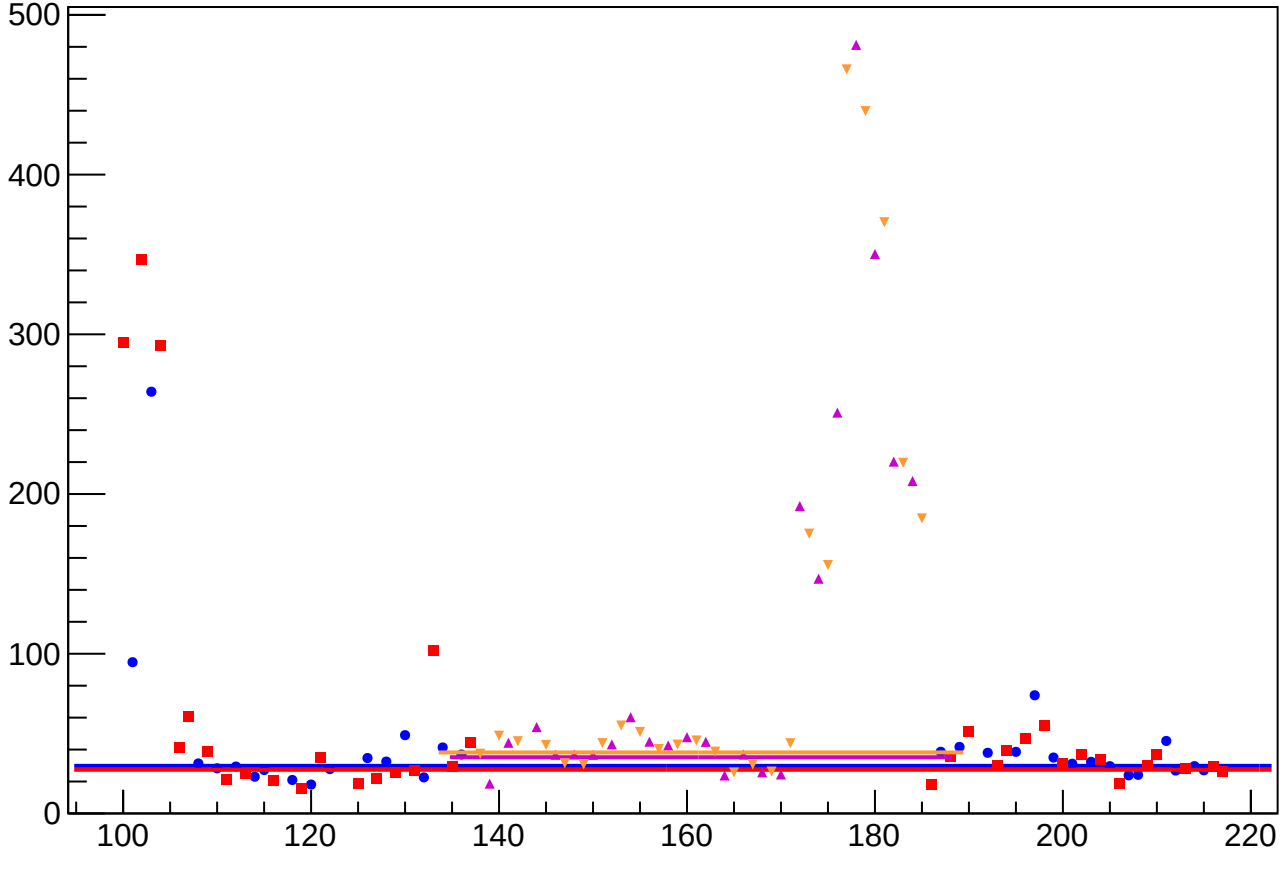
Right: 0.004+/-0.005 χ^2/NDF: 55.3/64

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.012+/-0.006 χ^2/NDF:65.0/57

All: 0.004+/-0.004 χ^2/NDF: 118.8/111

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: 27.342+/-0.005 χ^2/NDF: 4830404.1/33

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

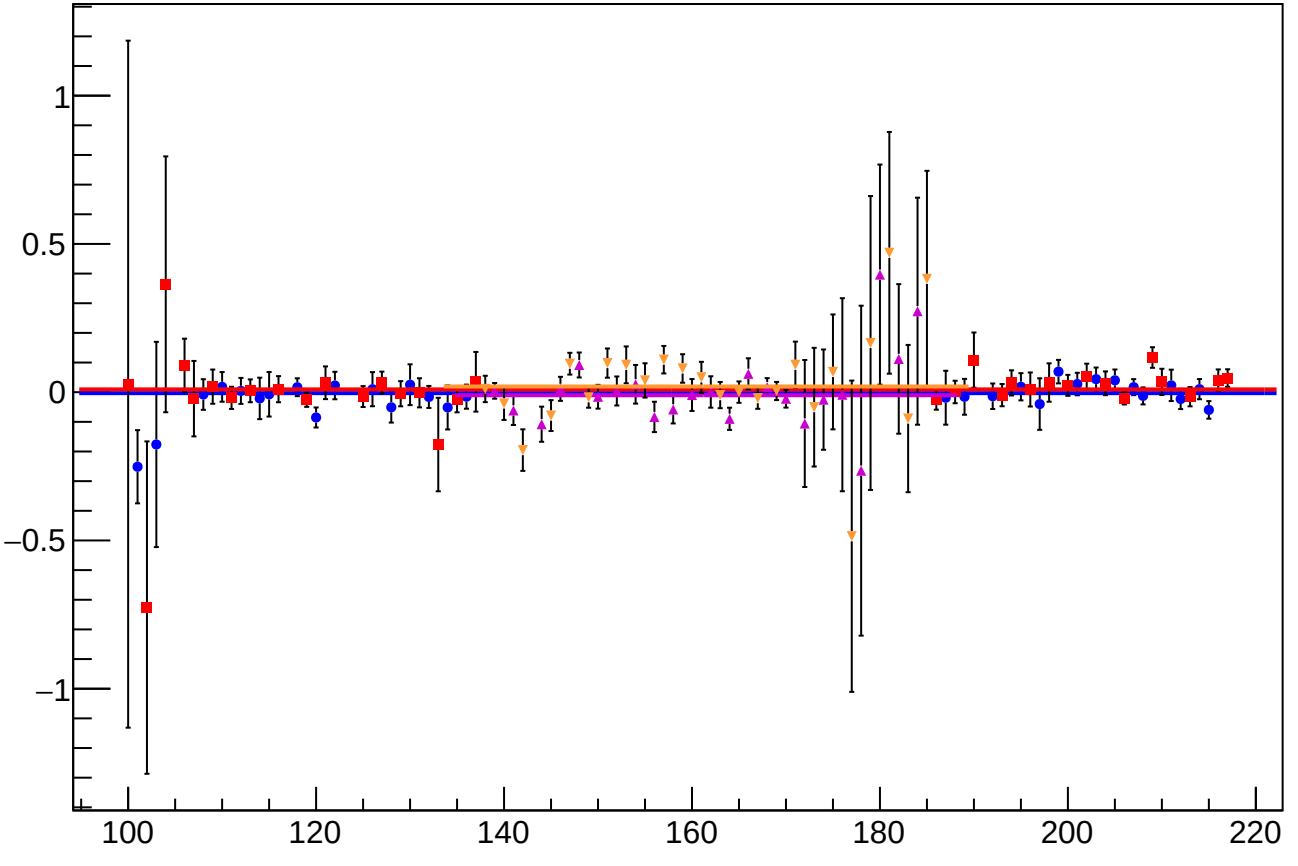
Right: 28.478+/-0.004 χ^2/NDF: 8393304.0/64

In: 31.761+/-0.004 χ^2/NDF:13196175.3/53

Out: 30.656+/-0.004 χ^2/NDF:14521518.0/57

All: 31.189+/-0.003 χ^2/NDF: 27750766.6/111

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: 0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

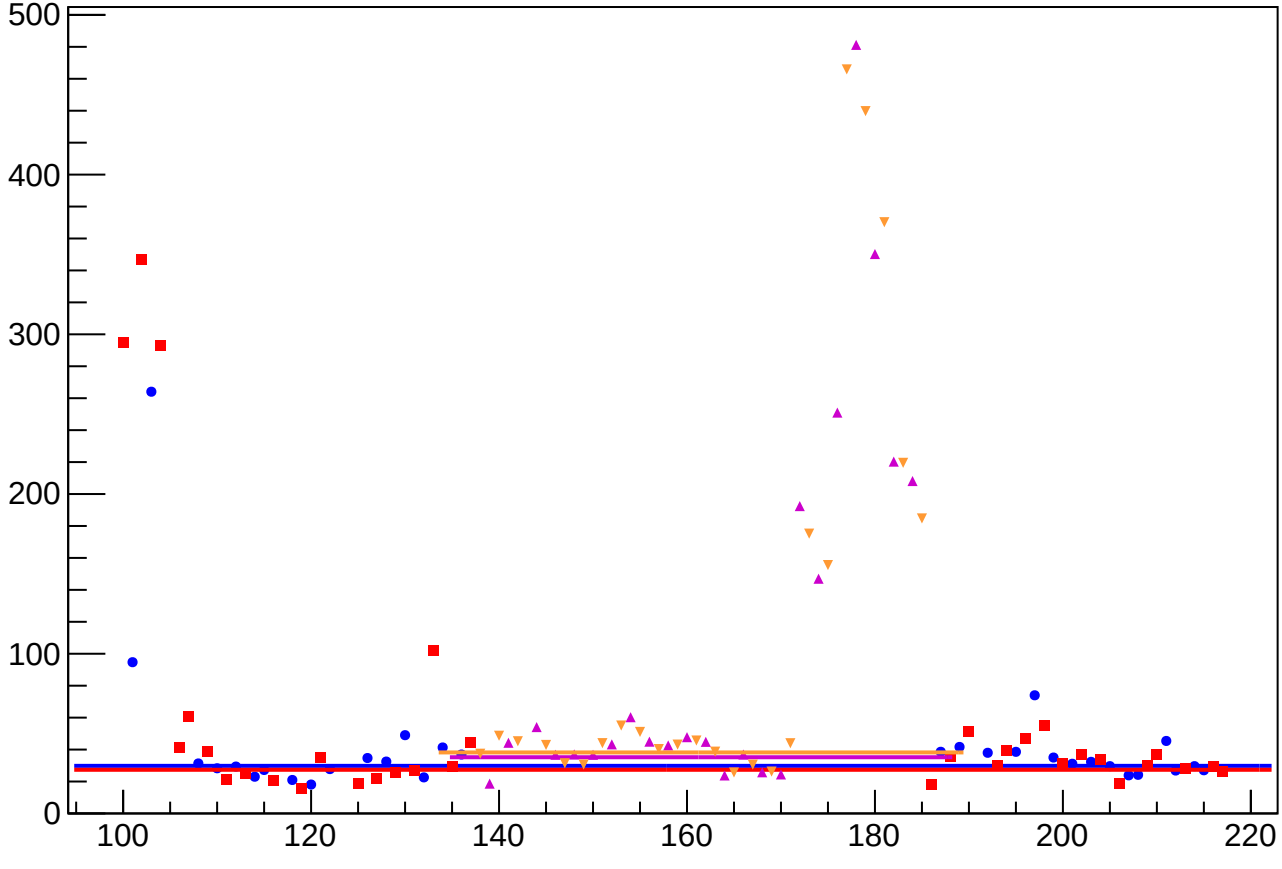
Right: 0.004+/-0.005 χ^2/NDF: 55.3/64

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.012+/-0.006 χ^2/NDF:65.0/57

All: 0.004+/-0.004 χ^2/NDF: 118.8/111

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.807+/-0.005 χ^2/NDF: 3453542.0/30

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.342+/-0.005 χ^2/NDF: 4830404.1/33

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

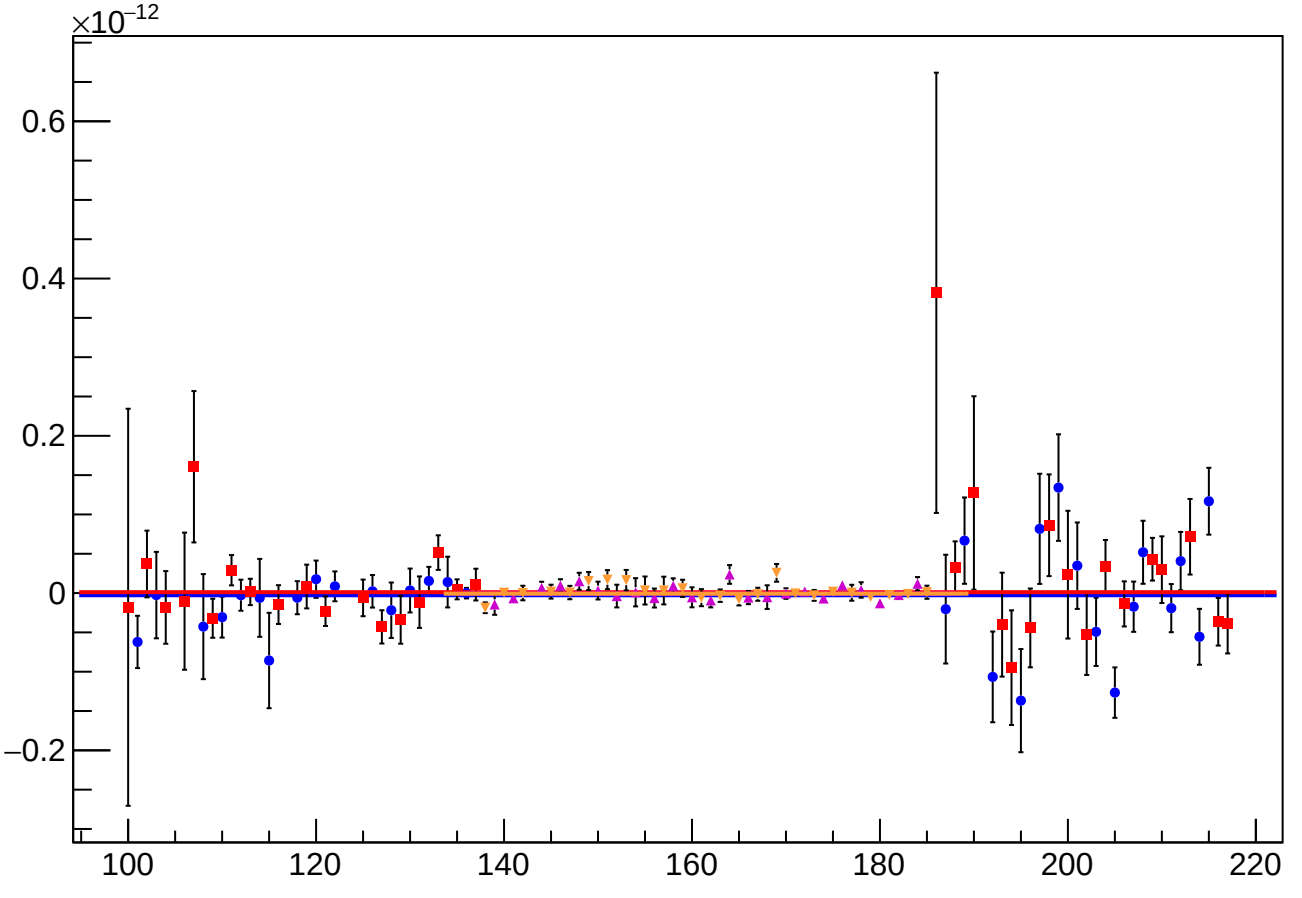
Right: 28.478+/-0.004 χ^2/NDF: 8393304.0/64

In: 31.761+/-0.004 χ^2/NDF:13196175.3/53

Out: 30.656+/-0.004 χ^2/NDF:14521518.0/57

All: 31.189+/-0.003 χ^2/NDF: 27750766.6/111

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: 39.6/33

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

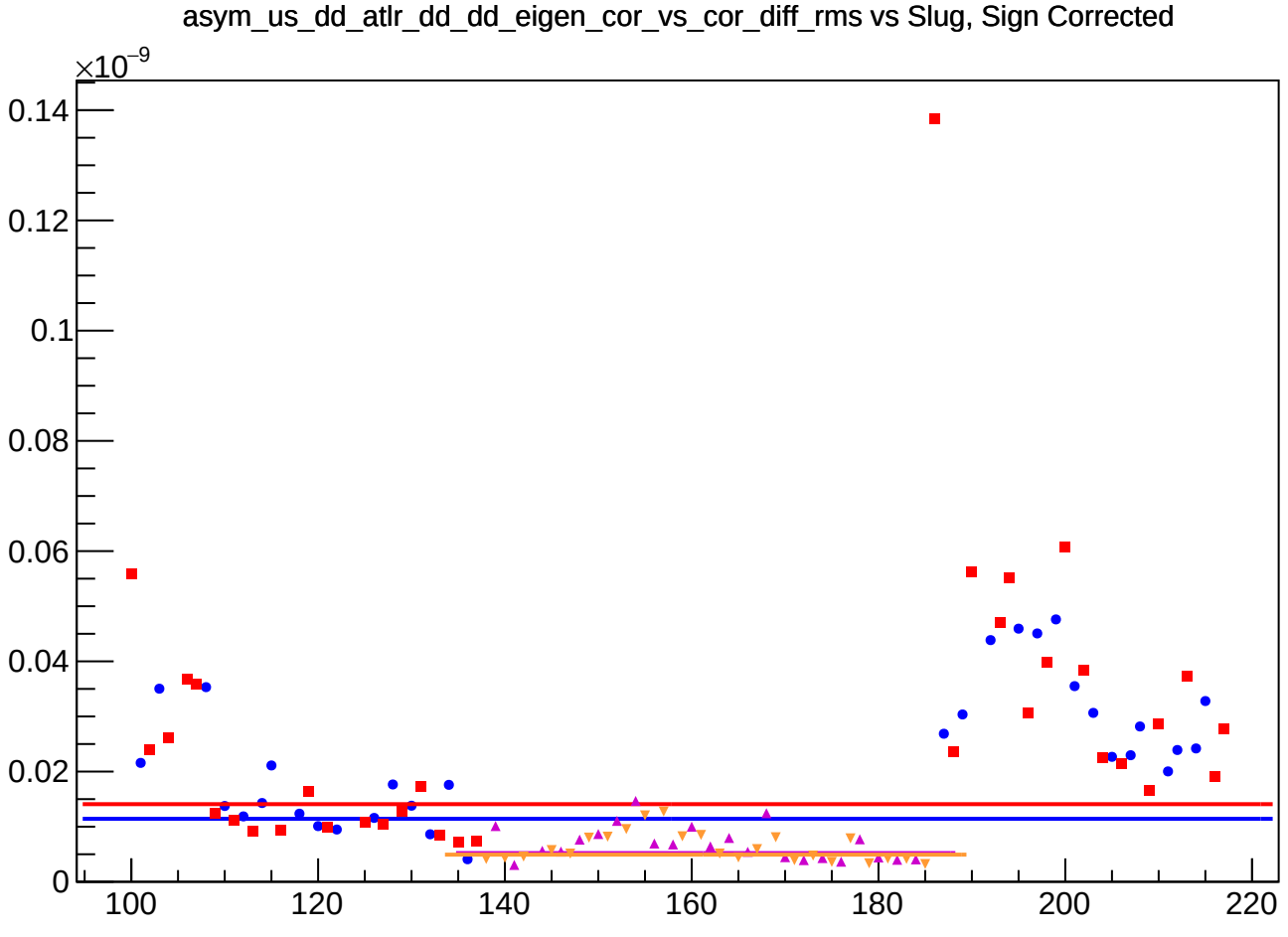
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

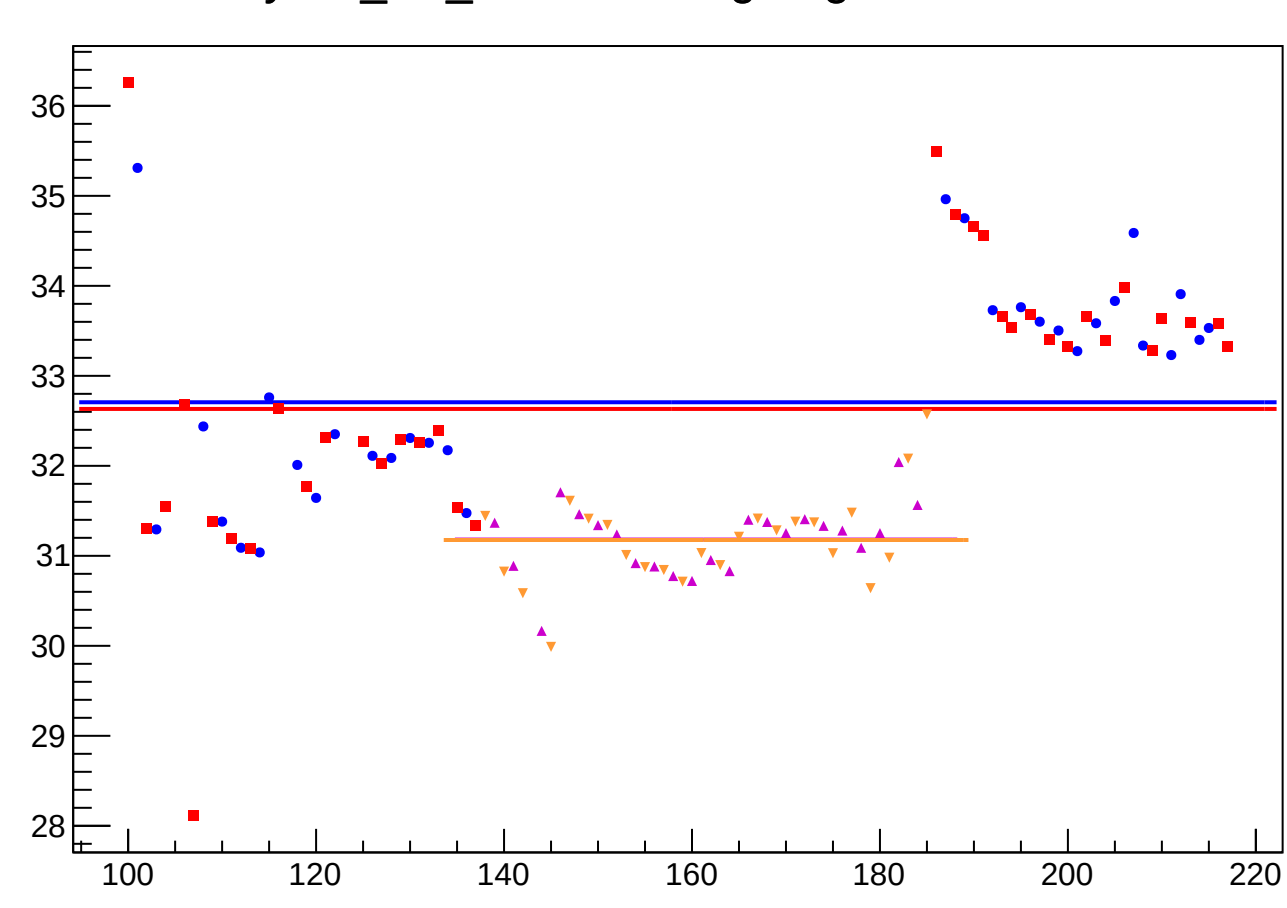
Right: -0.000+/-0.000 χ^2/NDF: 94.5/64

In: -0.000+/-0.000 χ^2/NDF:81.0/53

Out: -0.000+/-0.000 χ^2/NDF:60.9/57

All: -0.000+/-0.000 χ^2/NDF: 141.9/111


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8851284.6/30
Left Out: 0.000+/-0.000 χ²/NDF:2632036.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 6857407.5/33
Left In: 0.000+/-0.000 χ²/NDF:3449719.7/22
Left: 0.000+/-0.000 χ²/NDF: 6113497.8/46
Right: 0.000+/-0.000 χ²/NDF: 16030491.1/64
In: 0.000+/-0.000 χ²/NDF:15810778.0/53
Out: 0.000+/-0.000 χ²/NDF:15667804.3/57
All: 0.000+/-0.000 χ²/NDF: 31498970.4/111



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: 32.632+/-0.000 χ^2/NDF: 2389923643.0/34

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

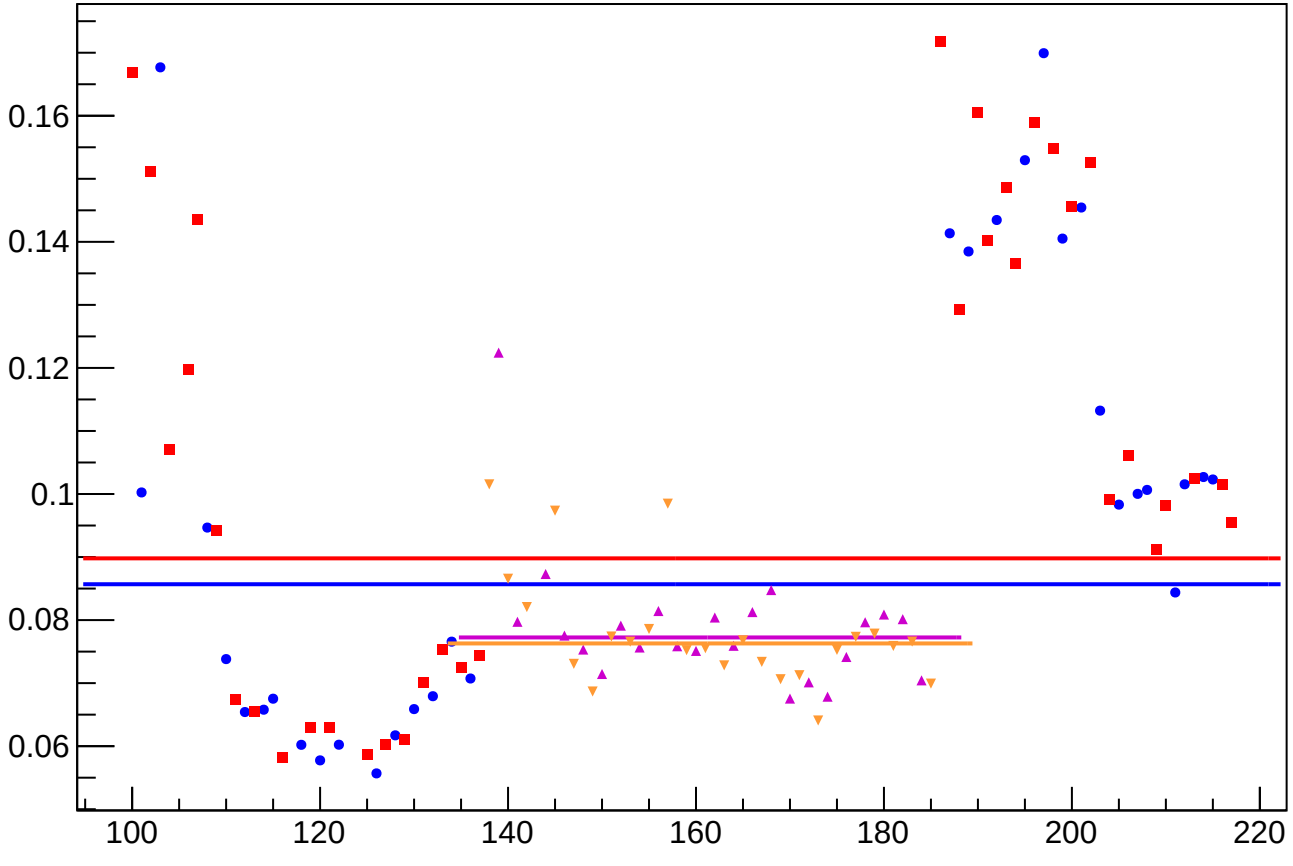
Right: 32.670+/-0.000 χ^2/NDF: 4913718931.4/65

In: 31.862+/-0.000 χ^2/NDF:5771704953.5/53

Out: 31.800+/-0.000 χ^2/NDF:5535884556.0/58

All: 31.831+/-0.000 χ^2/NDF: 11317147349.9

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: 4015576.6/34

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

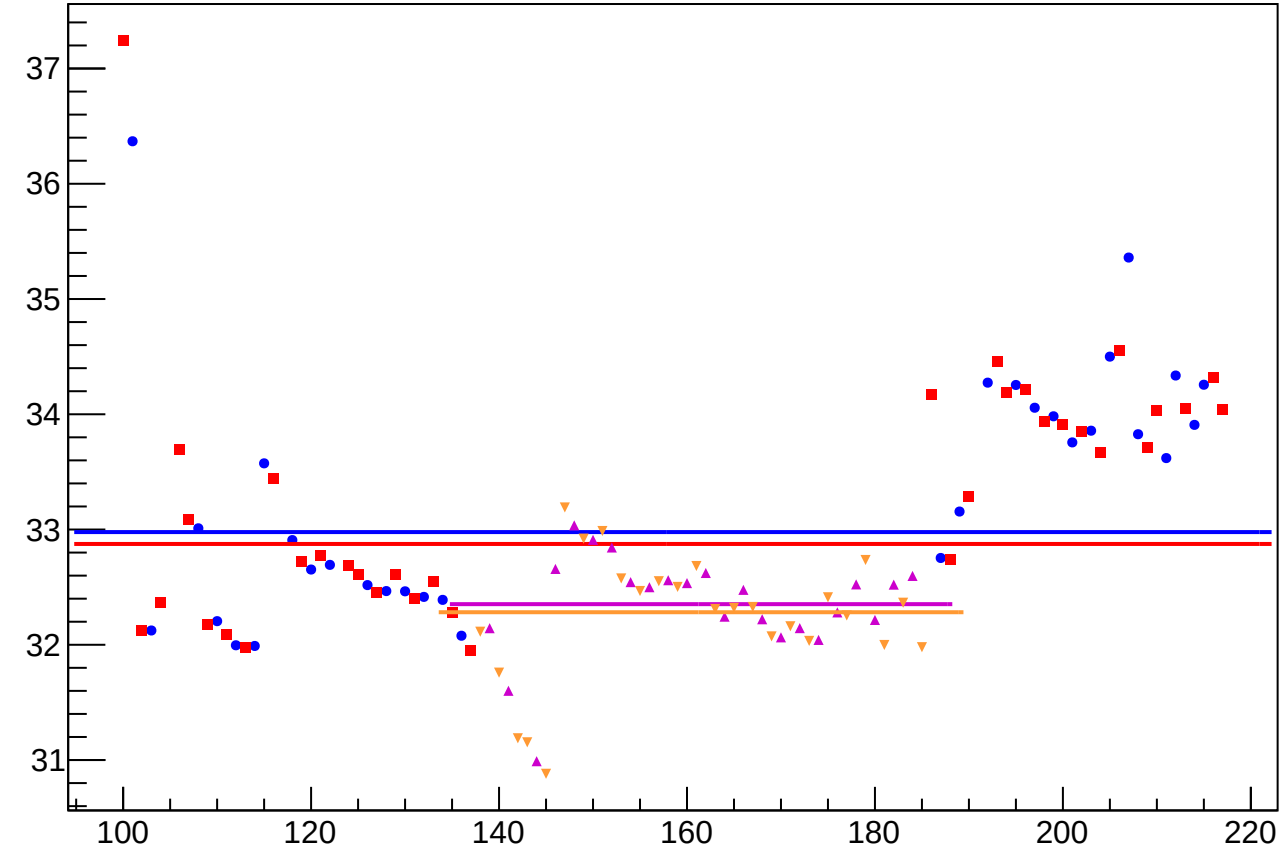
Right: 0.088+/-0.000 χ^2/NDF: 7647199.0/65

In: 0.081+/-0.000 χ^2/NDF:4136063.0/53

Out: 0.082+/-0.000 χ^2/NDF:4821714.3/58

All: 0.082+/-0.000 χ^2/NDF: 8963478.2/112

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: 32.875+/-0.000 χ^2/NDF: 697303544.6/34

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

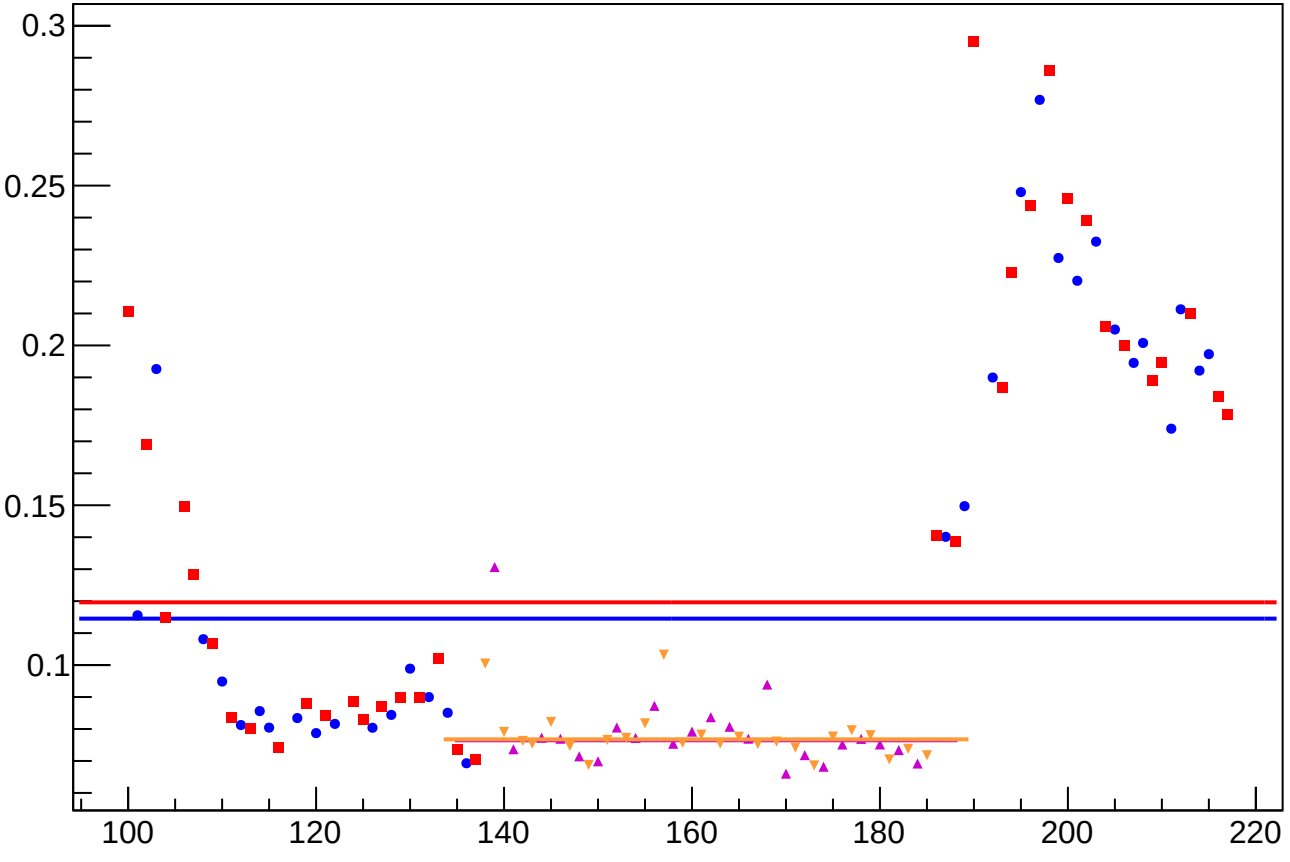
Right: 32.927+/-0.000 χ^2/NDF: 1952774907.5/65

In: 32.528+/-0.000 χ^2/NDF:2155118731.7/53

Out: 32.442+/-0.000 χ^2/NDF:1820179699.0/59

All: 32.484+/-0.000 χ^2/NDF: 3990202544.1/1

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: 0.120+/-0.000 χ^2/NDF: 6416272.3/34

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

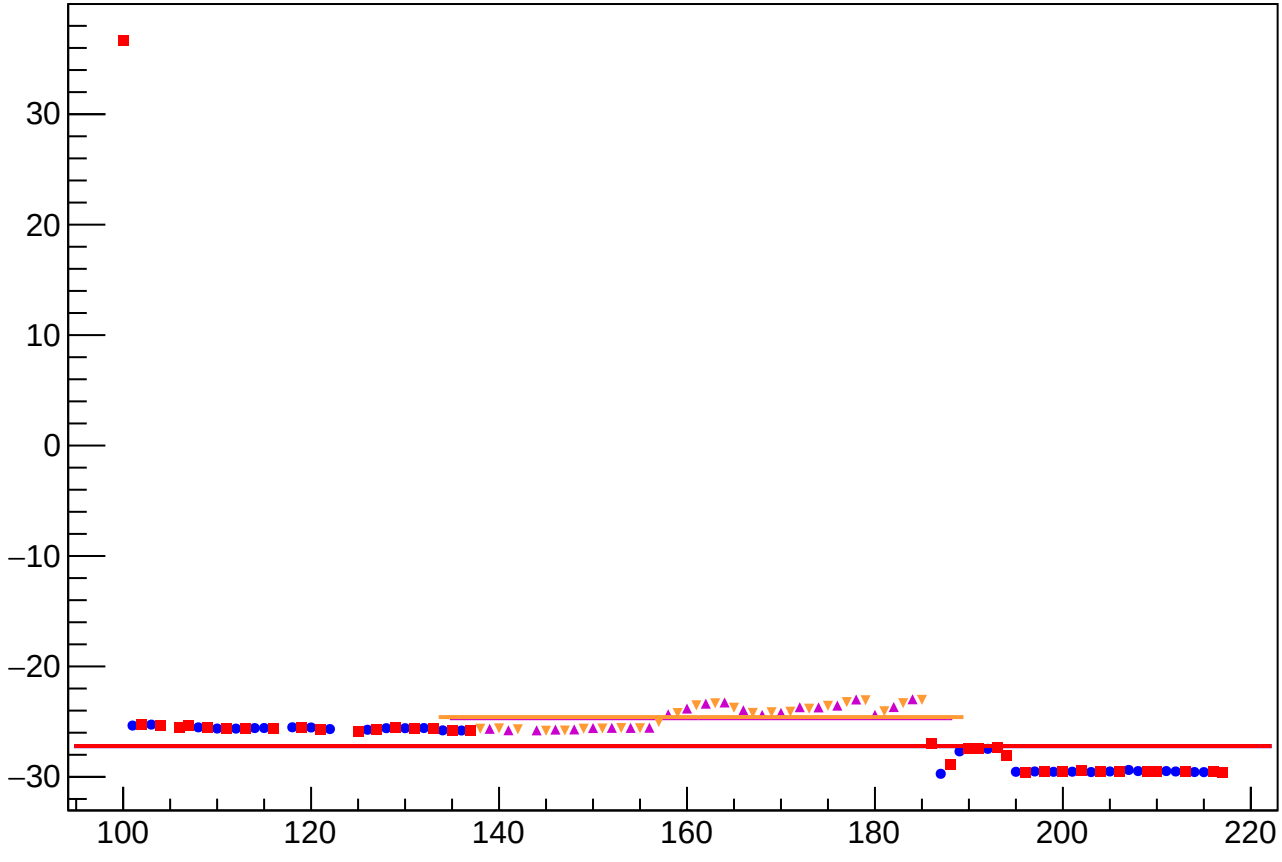
Right: 0.117+/-0.000 χ^2/NDF: 12986785.8/65

In: 0.087+/-0.000 χ^2/NDF:9363251.7/53

Out: 0.088+/-0.000 χ^2/NDF:9639348.7/59

All: 0.088+/-0.000 χ^2/NDF: 19008278.1/113

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: -27.209+/-0.000 χ^2/NDF: 35344796002.0/34

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

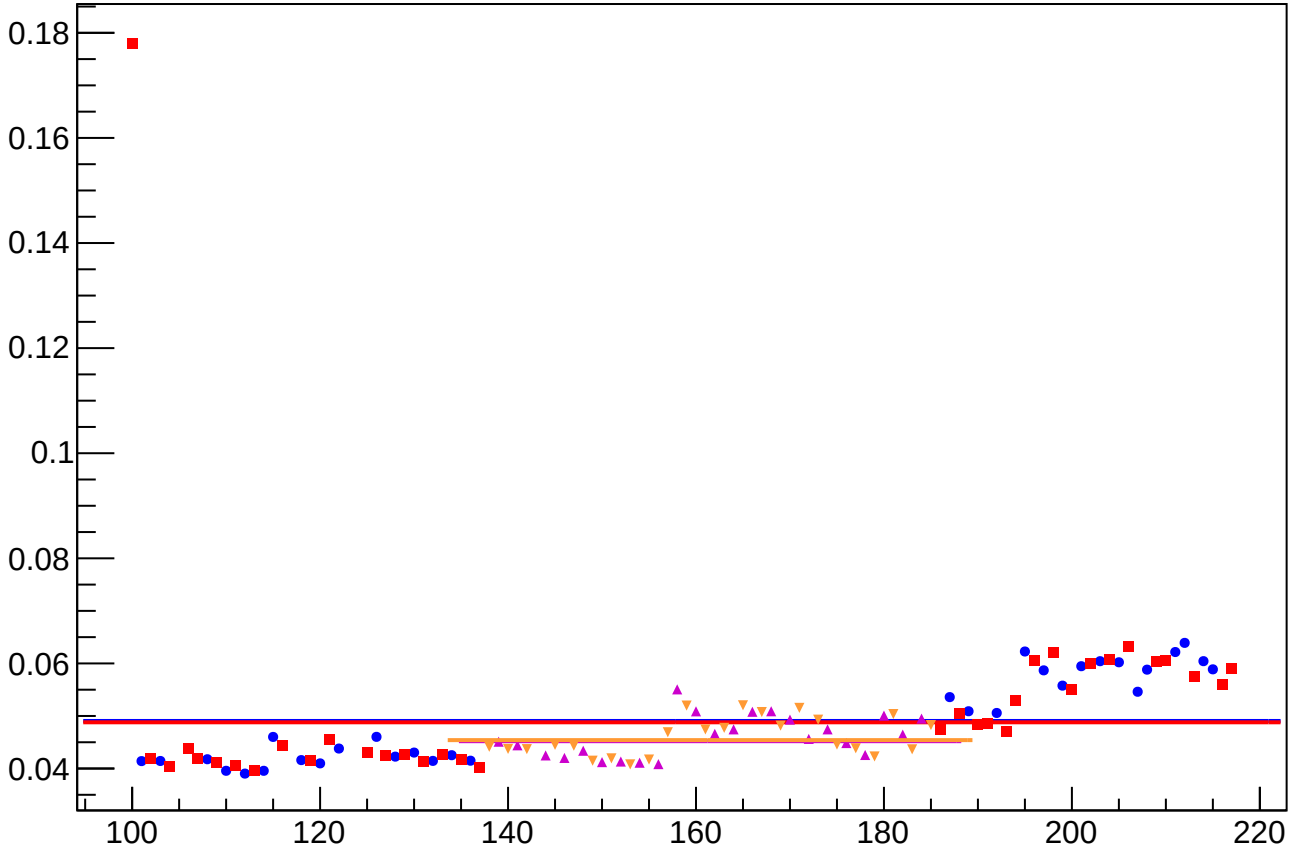
Right: -27.215+/-0.000 χ^2/NDF: 61661659599.5/65

In: -25.863+/-0.000 χ^2/NDF:61042065597.2/53

Out: -25.852+/-0.000 χ^2/NDF:73487528716.6/58

All: -25.858+/-0.000 χ^2/NDF: 134530563706

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: 0.049+/-0.000 χ^2/NDF: 1115197.9/34

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

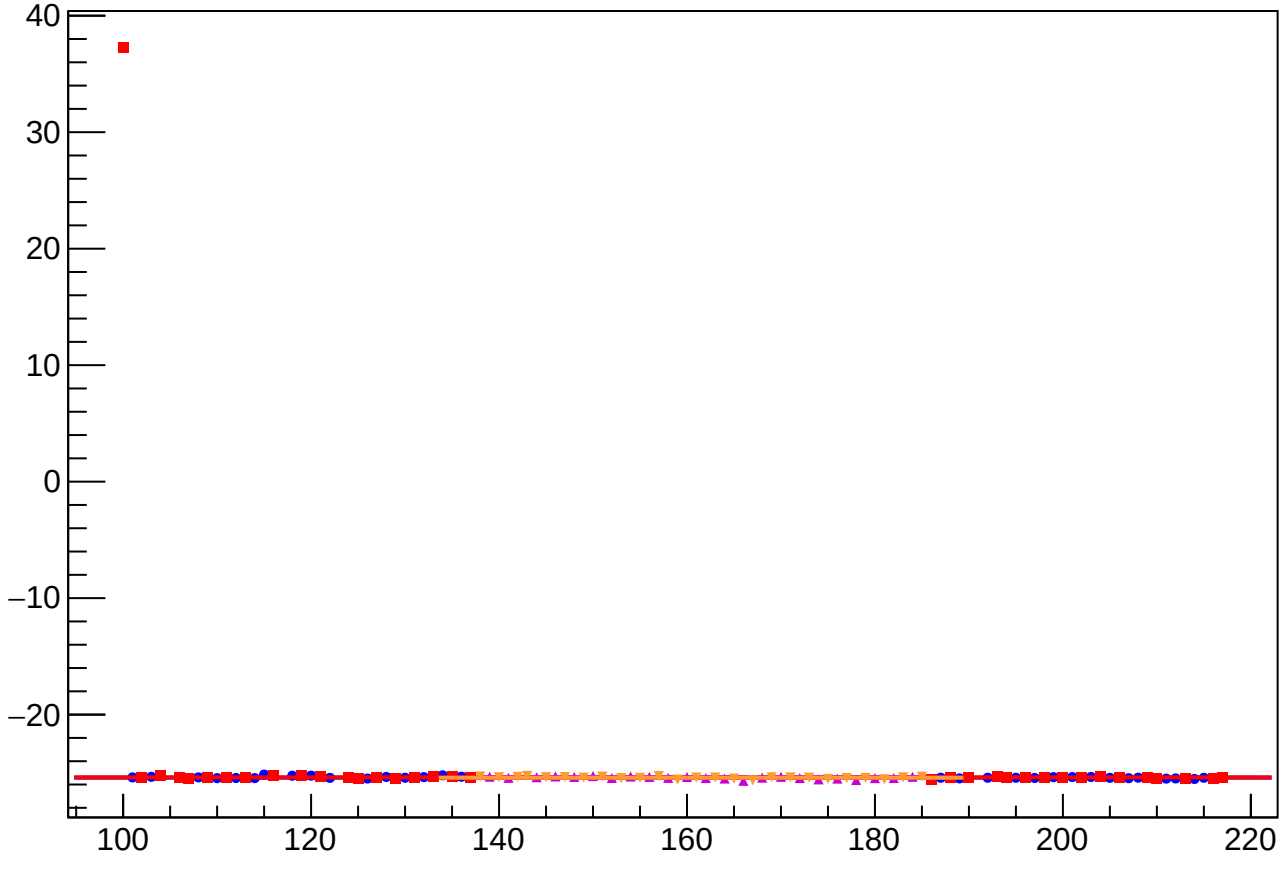
Right: 0.049+/-0.000 χ^2/NDF: 2209651.0/65

In: 0.047+/-0.000 χ^2/NDF:1458172.0/53

Out: 0.047+/-0.000 χ^2/NDF:1417675.3/58

All: 0.047+/-0.000 χ^2/NDF: 2875894.7/112

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: -25.388+/-0.000 χ^2/NDF: 6347034262.3/34

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

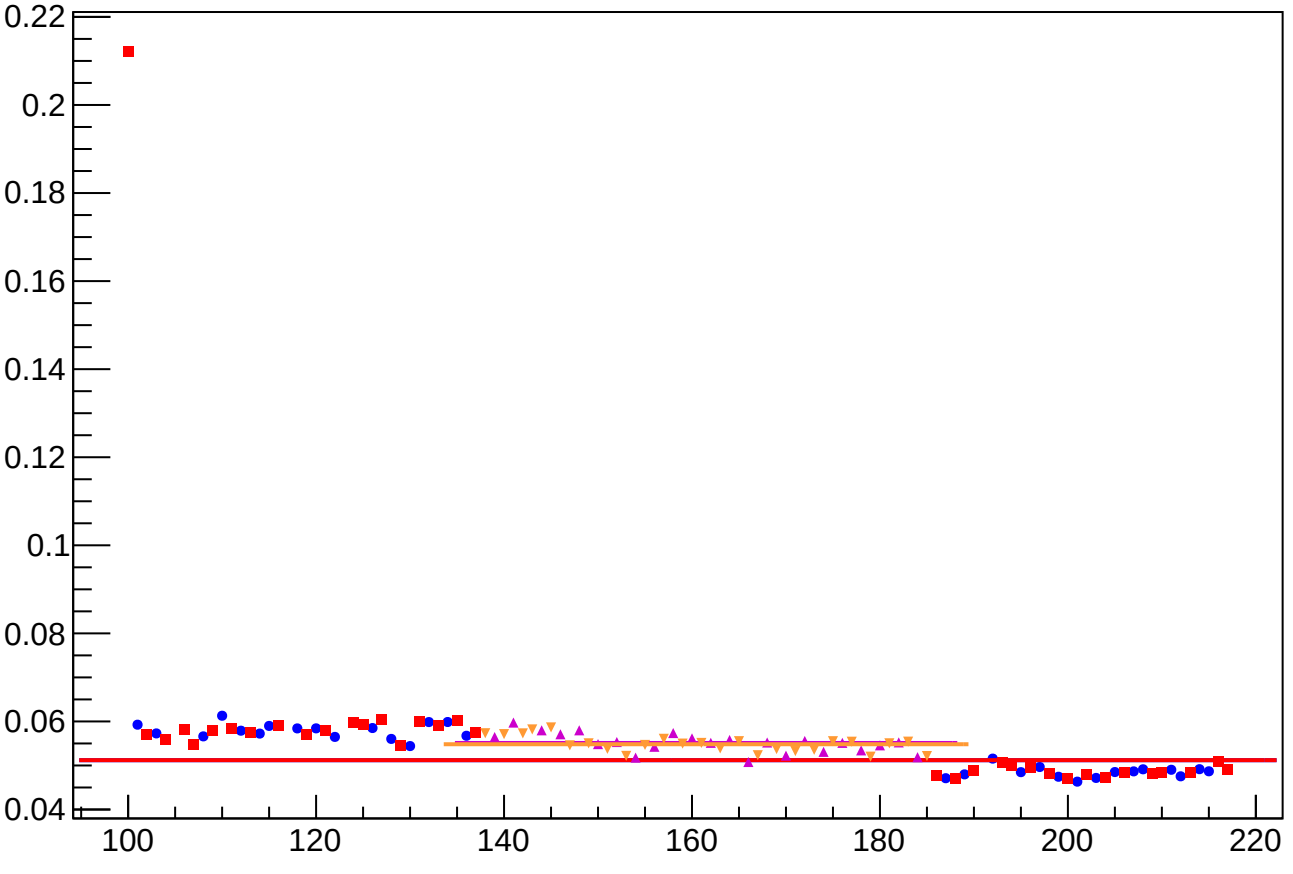
Right: -25.398+/-0.000 χ^2/NDF: 6380498055.5/65

In: -25.411+/-0.000 χ^2/NDF:87788386.1/53

Out: -25.401+/-0.000 χ^2/NDF:6402104978.9/59

All: -25.406+/-0.000 χ^2/NDF: 6490609266.5/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.051+/-0.000 χ^2/NDF: 278568.7/30

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.051+/-0.000 χ^2/NDF: 379574.6/34

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

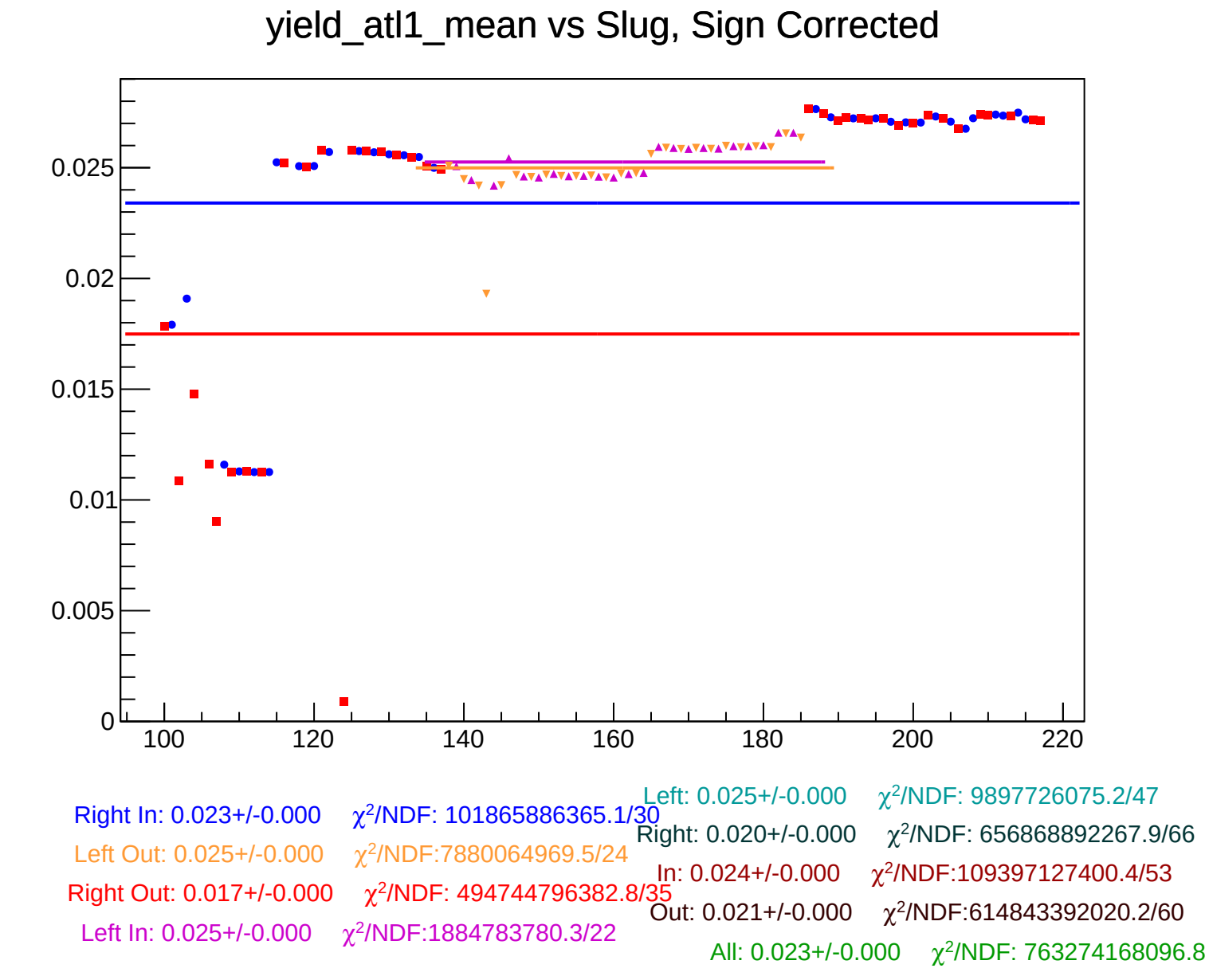
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.051+/-0.000 χ^2/NDF: 658144.9/65

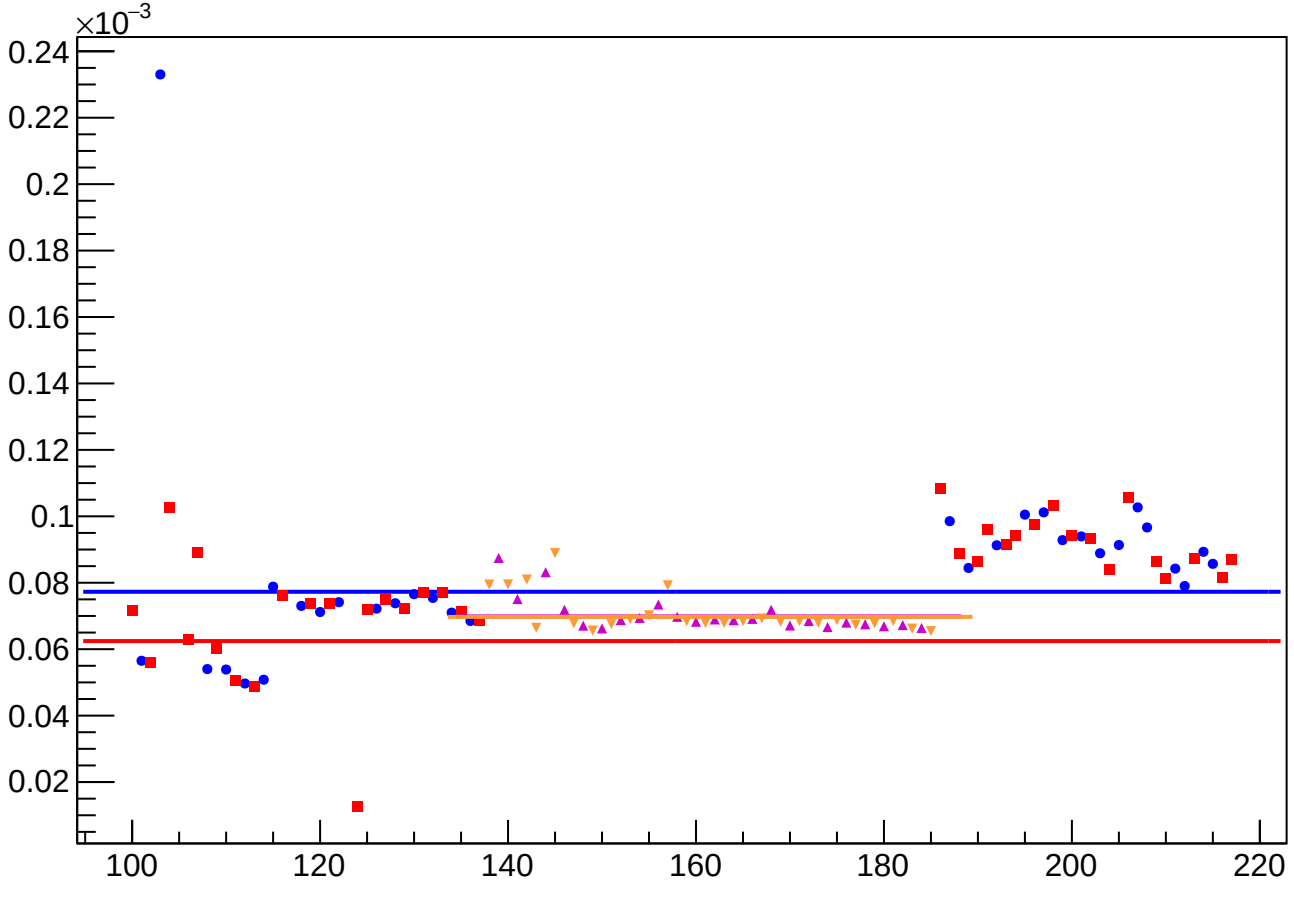
In: 0.053+/-0.000 χ^2/NDF:428414.3/53

Out: 0.053+/-0.000 χ^2/NDF:506566.5/59

All: 0.053+/-0.000 χ^2/NDF: 935155.5/113


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.023+/-0.000 χ²/NDF: 101865886365.1/30
Left Out: 0.025+/-0.000 χ²/NDF:7880064969.5/24
Right Out: 0.017+/-0.000 χ²/NDF: 494744796382.8/35
Left In: 0.025+/-0.000 χ²/NDF:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9897726075.2/47
Right: 0.020+/-0.000 χ²/NDF: 656868892267.9/66
In: 0.024+/-0.000 χ²/NDF:109397127400.4/53
Out: 0.021+/-0.000 χ²/NDF:614843392020.2/60
All: 0.023+/-0.000 χ²/NDF: 763274168096.8

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: 7982123.2/35

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

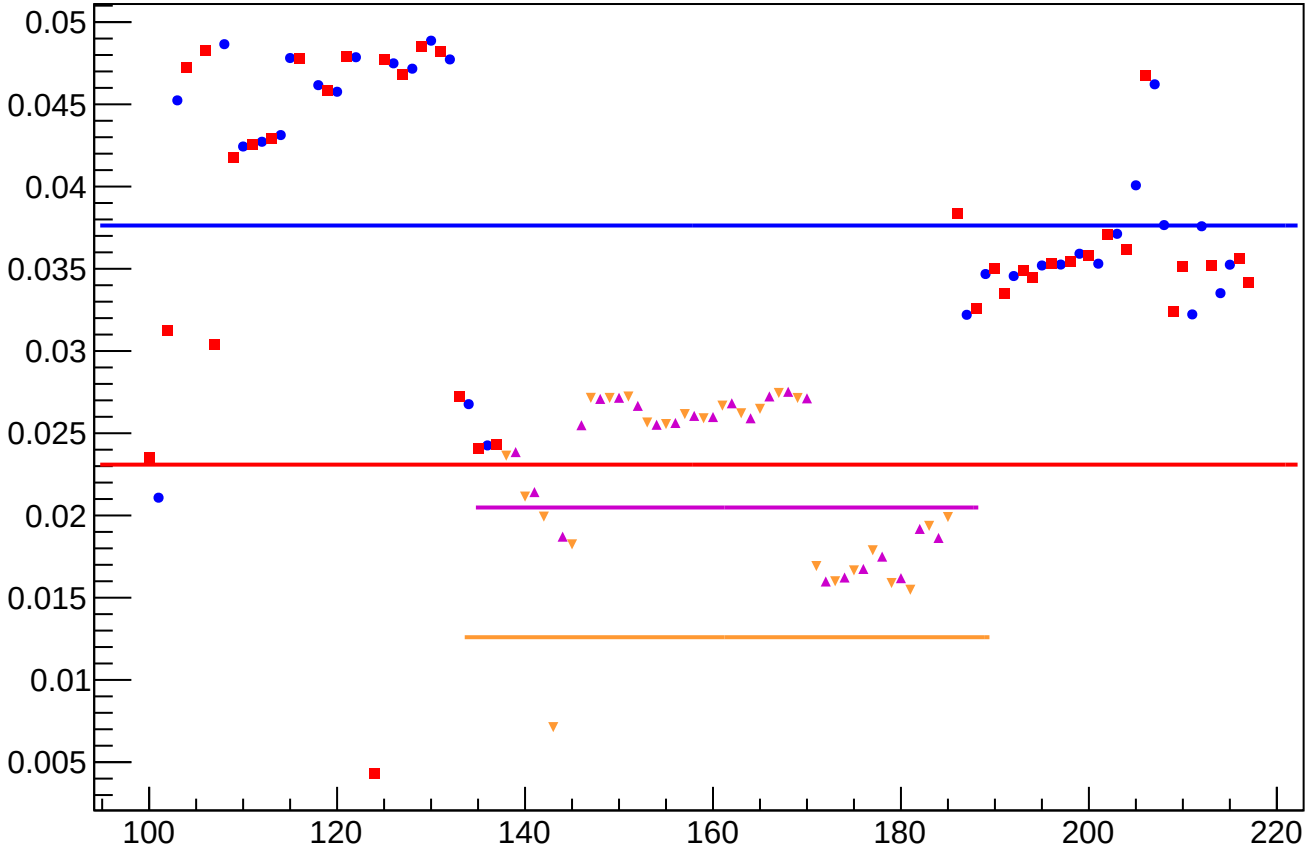
Right: 0.000+/-0.000 χ^2/NDF: 10688888.4/66

In: 0.000+/-0.000 χ^2/NDF:2281735.2/53

Out: 0.000+/-0.000 χ^2/NDF:8381766.9/60

All: 0.000+/-0.000 χ^2/NDF: 11038409.0/114

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: 48120501246.1/35

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

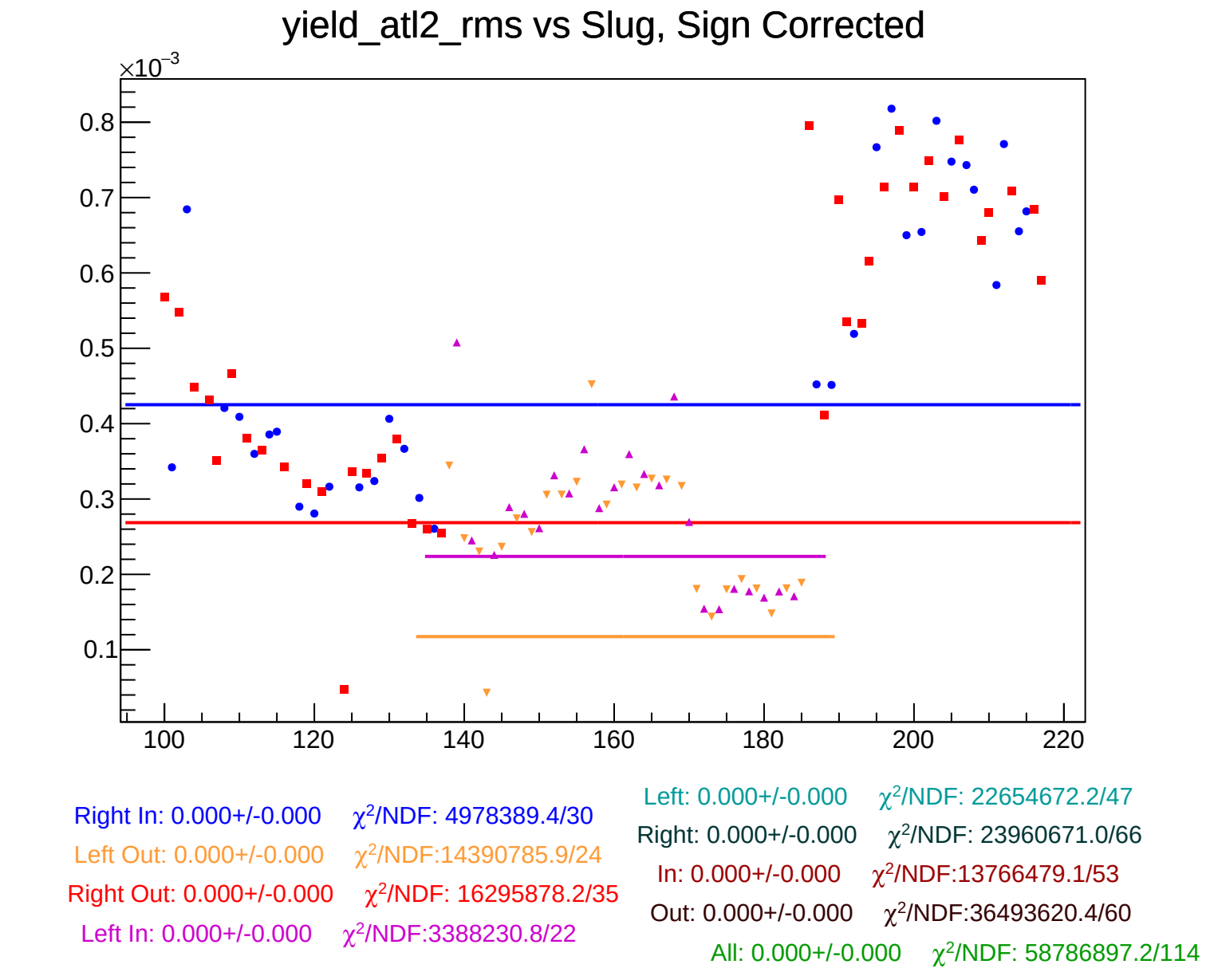
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 67160761155.5/66

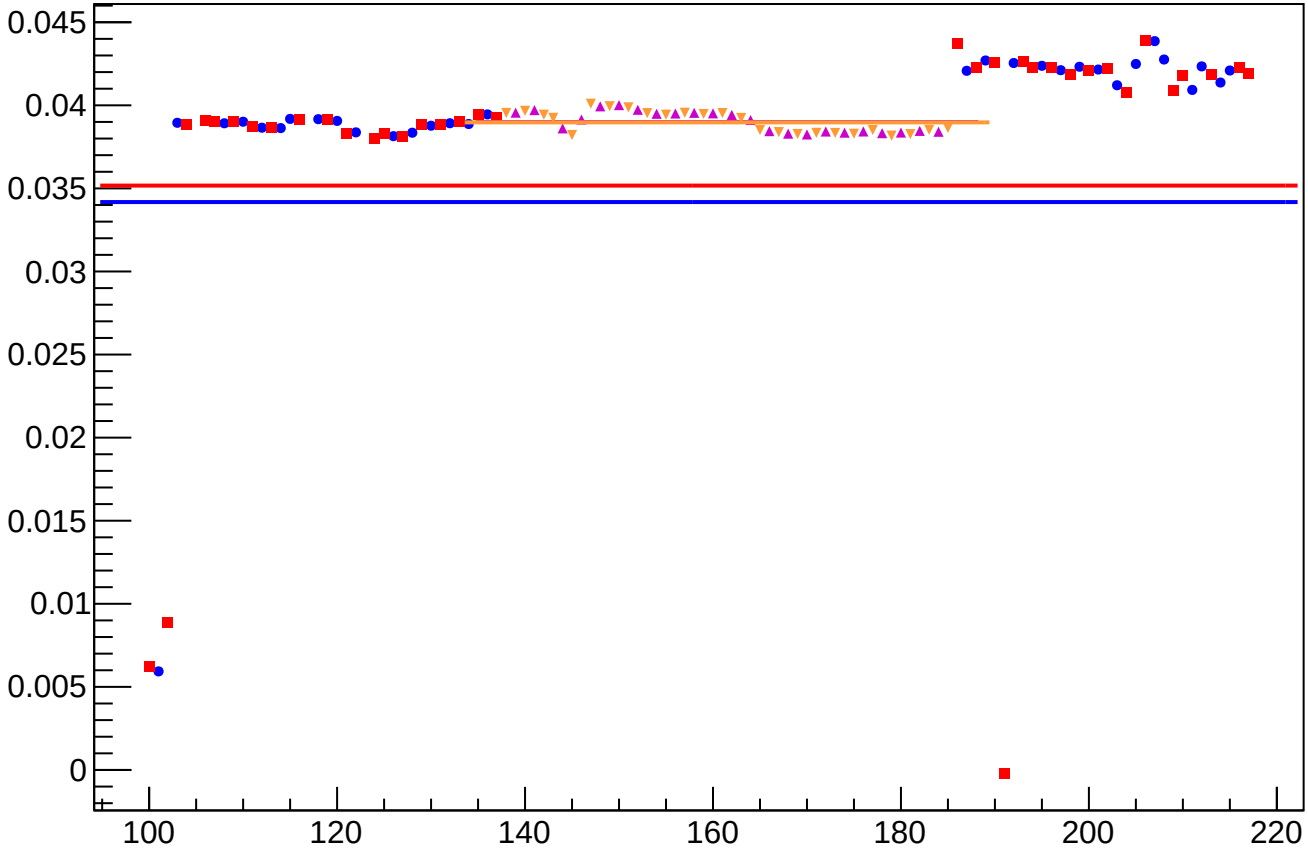
In: 0.024+/-0.000 χ^2/NDF:33136387594.0/53

Out: 0.014+/-0.000 χ^2/NDF:99446947765.0/60

All: 0.017+/-0.000 χ^2/NDF: 159192950176.9


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: 16295878.2/35
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: 23960671.0/66
In: 0.000+/-0.000 χ²/NDF:13766479.1/53
Out: 0.000+/-0.000 χ²/NDF:36493620.4/60
All: 0.000+/-0.000 χ²/NDF: 58786897.2/114

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: 123536938764.7/35

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

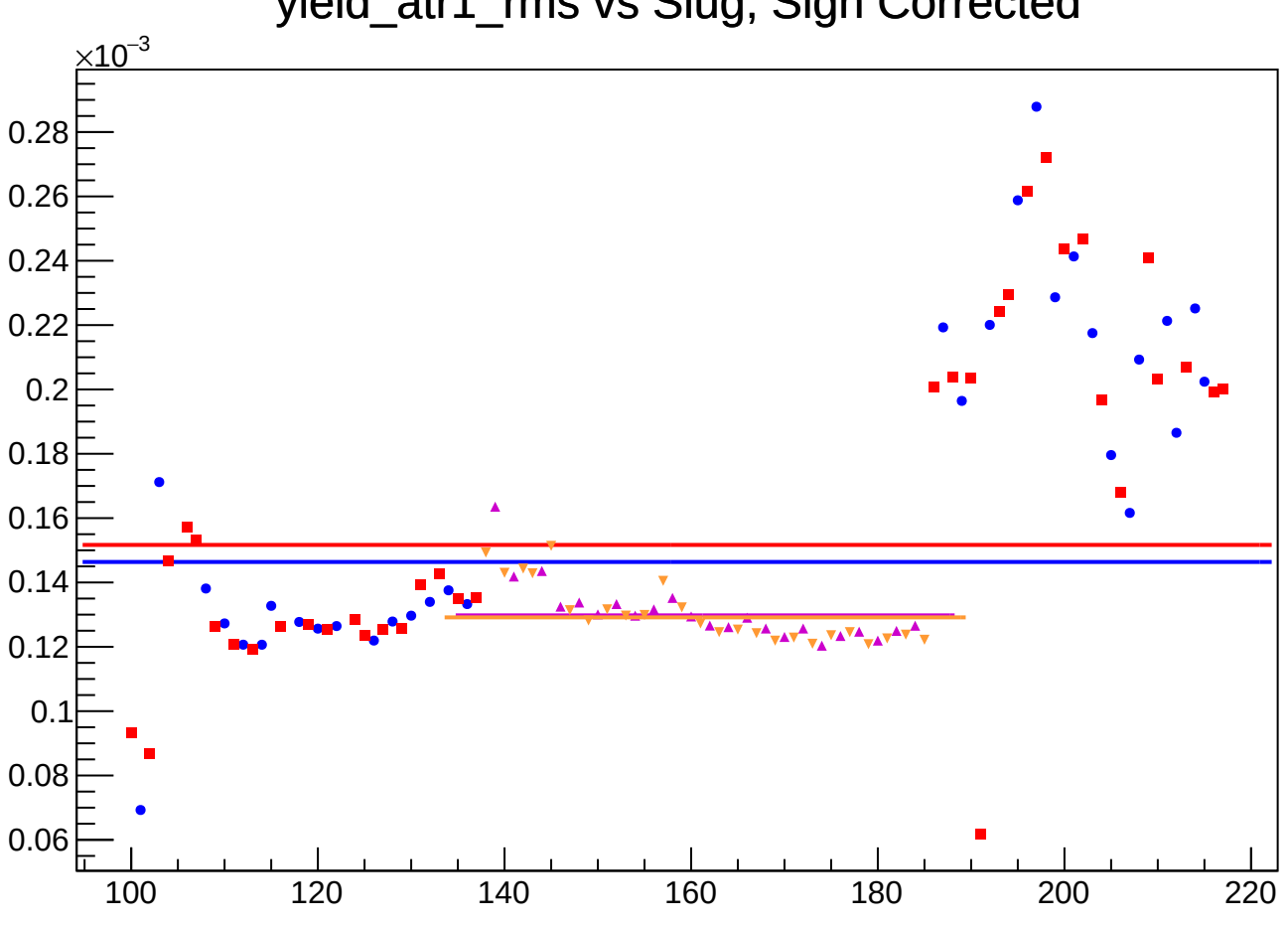
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.035+/-0.000 χ^2/NDF: 258735204049.7/66

In: 0.037+/-0.000 χ^2/NDF:145574639950.5/53

Out: 0.037+/-0.000 χ^2/NDF:130635671714.0/60

All: 0.037+/-0.000 χ^2/NDF: 276409217560.5



Right In: 0.000+/-0.000 χ^2/NDF: 4359750.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4118547.3/35

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

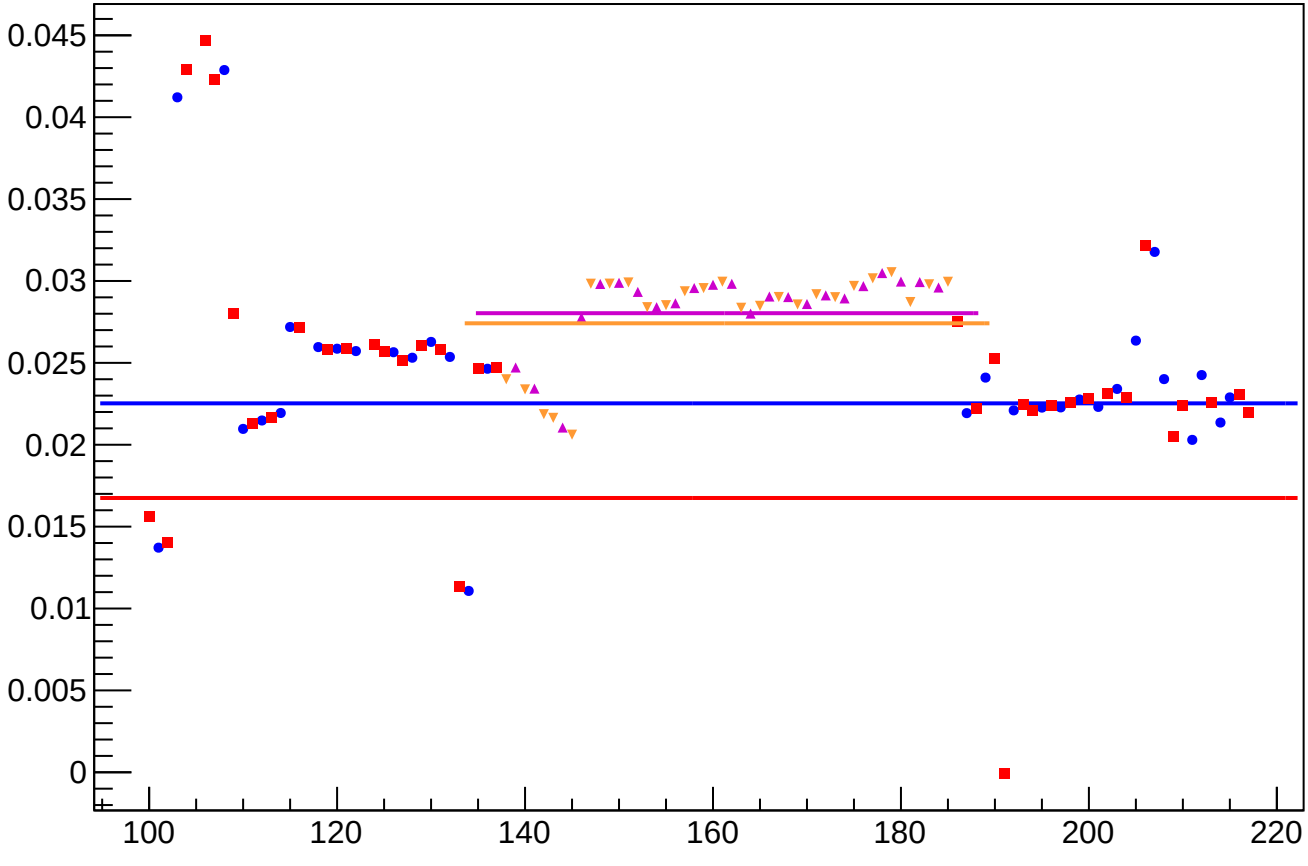
Right: 0.000+/-0.000 χ^2/NDF: 8499849.9/66

In: 0.000+/-0.000 χ^2/NDF:4747146.2/53

Out: 0.000+/-0.000 χ^2/NDF:4740324.8/60

All: 0.000+/-0.000 χ^2/NDF: 9491735.7/114

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: 25970027257.6/35

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

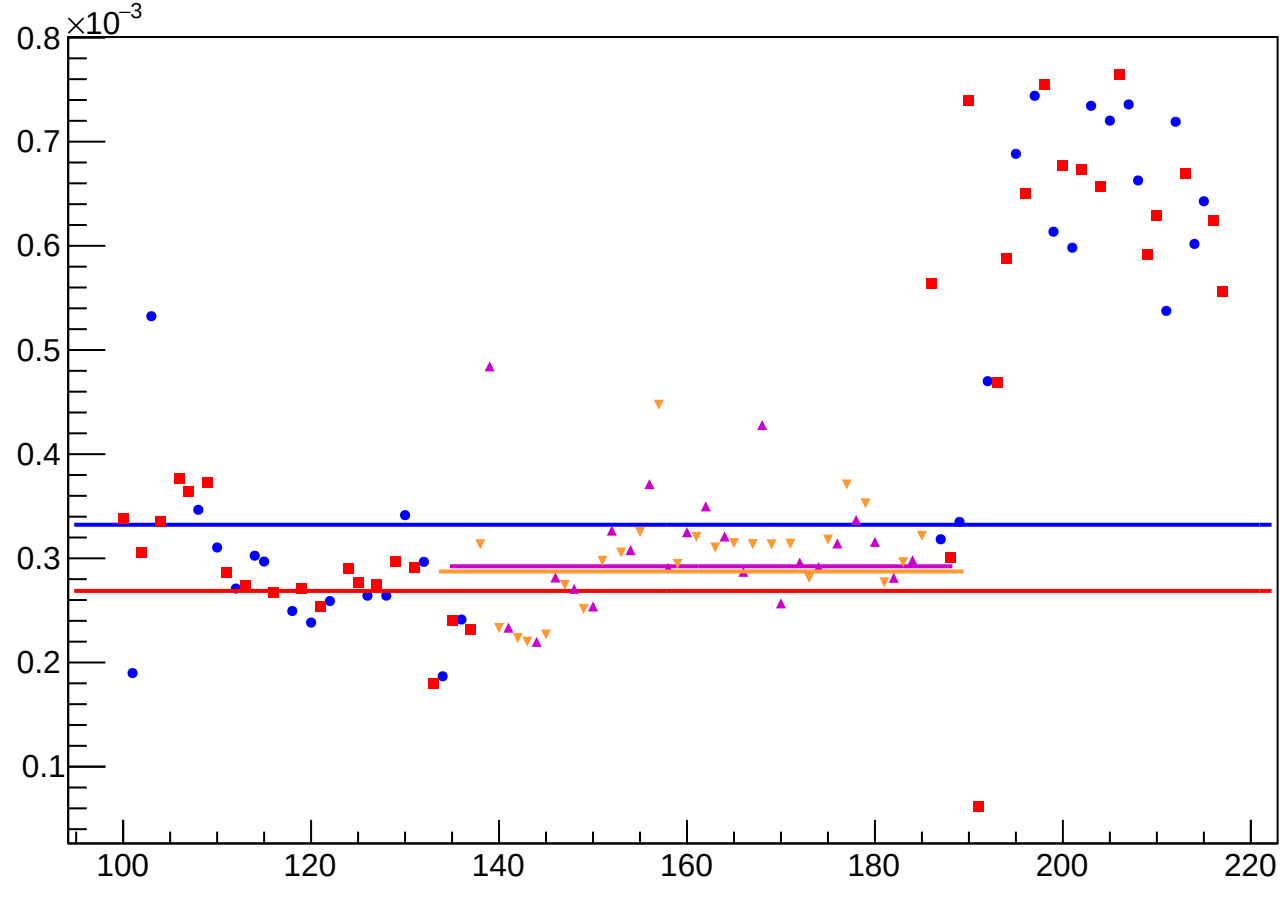
Right: 0.019+/-0.000 χ^2/NDF: 33694873977.3/66

In: 0.026+/-0.000 χ^2/NDF:9058782524.1/53

Out: 0.022+/-0.000 χ^2/NDF:39112869114.2/60

All: 0.024+/-0.000 χ^2/NDF: 50114026669.8/1

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: 12376591.2/35

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

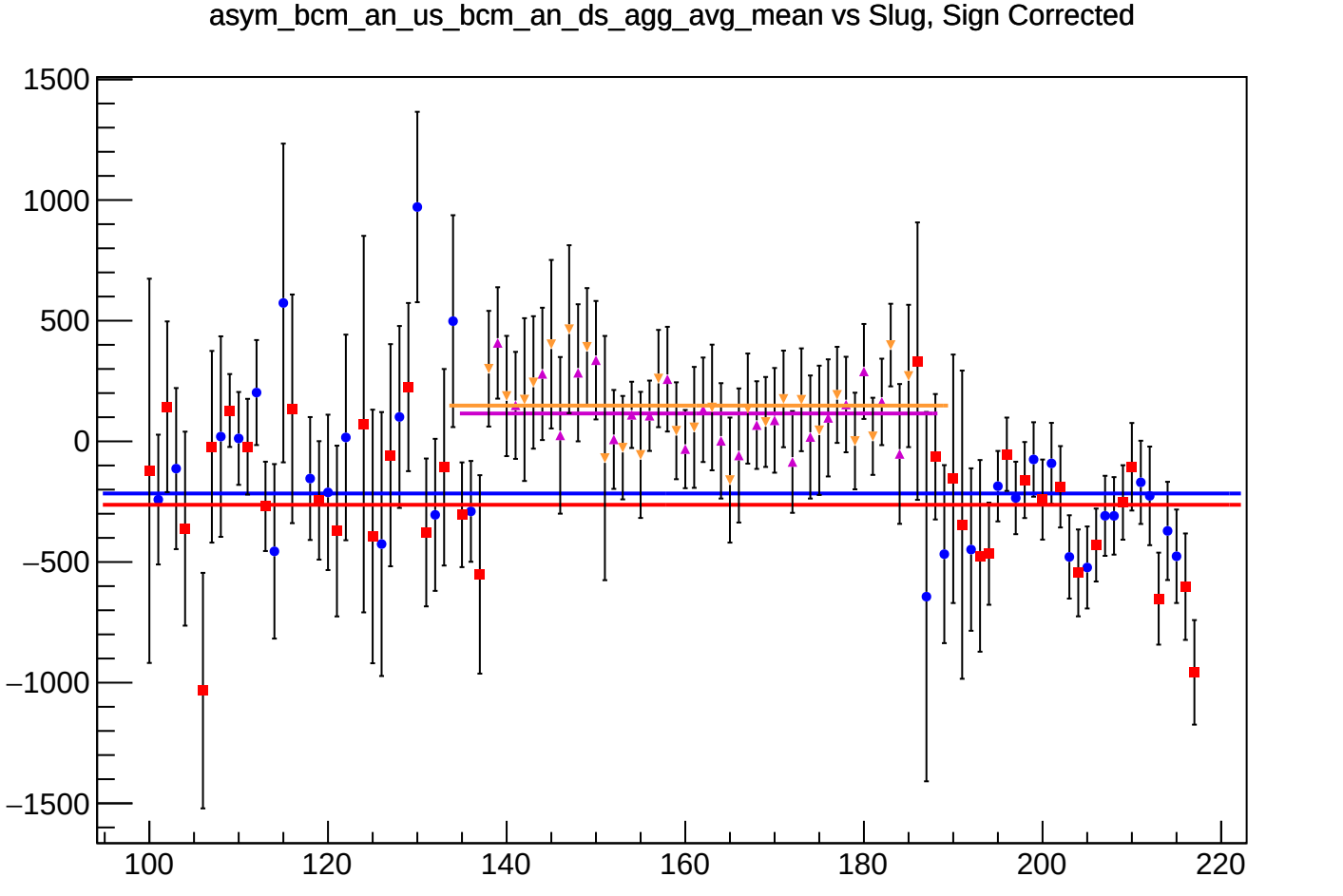
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19966422.9/66

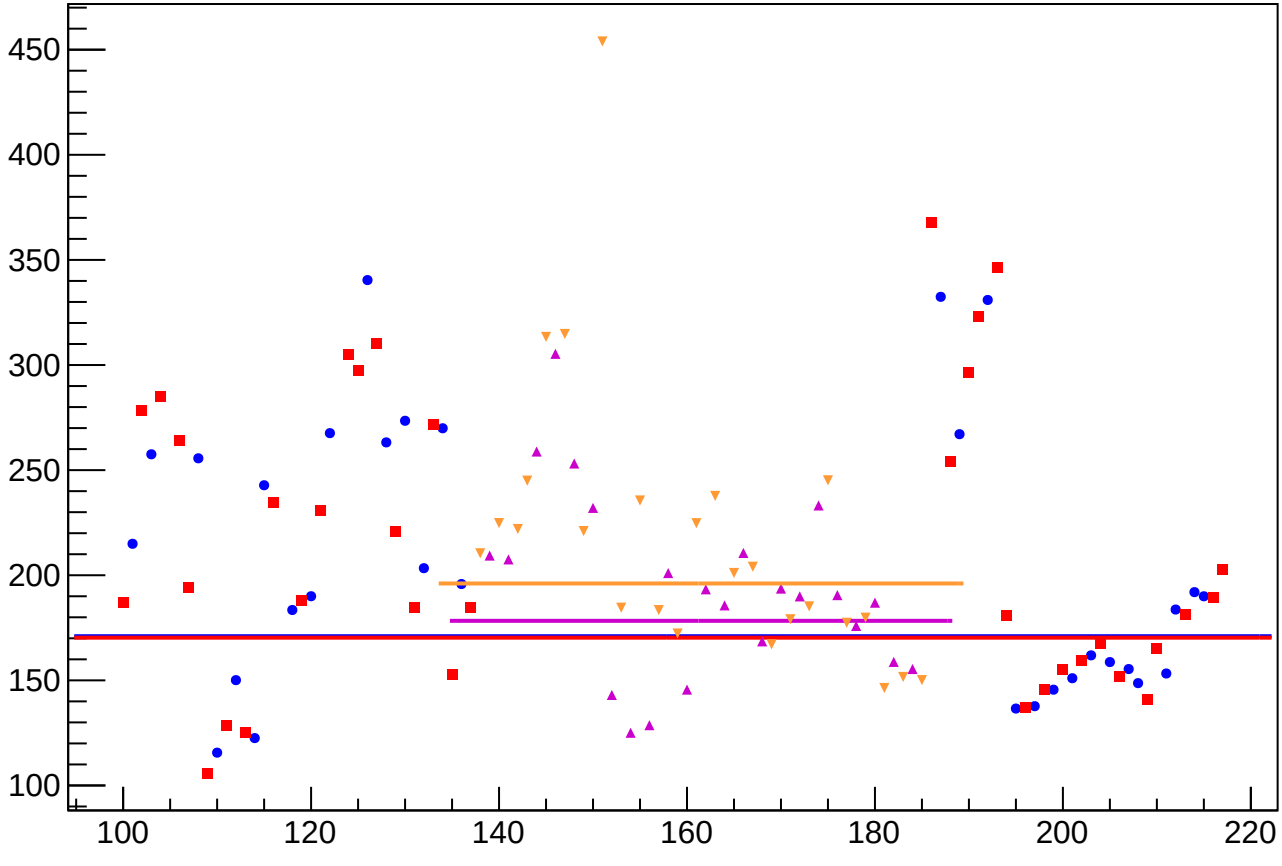
In: 0.000+/-0.000 χ^2/NDF:8200225.1/53

Out: 0.000+/-0.000 χ^2/NDF:13264829.4/60

All: 0.000+/-0.000 χ^2/NDF: 21775053.9/114


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -215.999+/-40.469 χ²/NDF: 31.9/30
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: -262.882+/-39.524 χ²/NDF: 43.2/35
Left In: 115.487+/-43.568 χ²/NDF:7.8/22
Left: 130.913+/-31.703 χ²/NDF: 18.4/47
Right: -239.994+/-28.276 χ²/NDF: 75.7/66
In: -62.464+/-29.651 χ²/NDF:70.7/53
Out: -89.215+/-30.039 χ²/NDF:99.2/60
All: -75.666+/-21.102 χ²/NDF: 170.4/114

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: 170.304+/-0.028 χ^2/NDF: 3075771.1/35

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

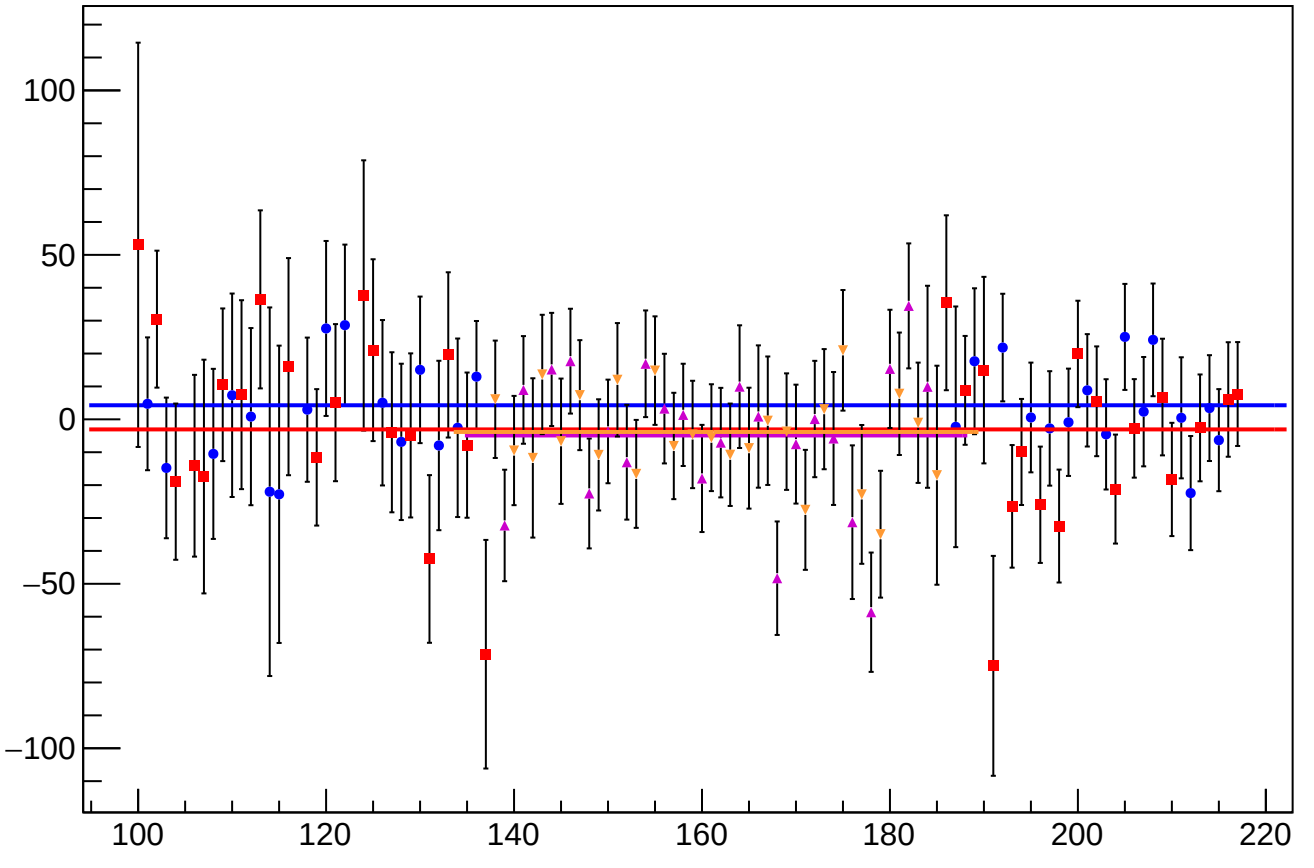
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 170.645+/-0.020 χ^2/NDF: 5413089.3/66

In: 174.390+/-0.021 χ^2/NDF:4045628.5/53

Out: 181.195+/-0.021 χ^2/NDF:5253729.7/60

All: 177.748+/-0.015 χ^2/NDF: 9351336.0/114



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: -3.063+/-3.519 χ^2/NDF: 35.6/35

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

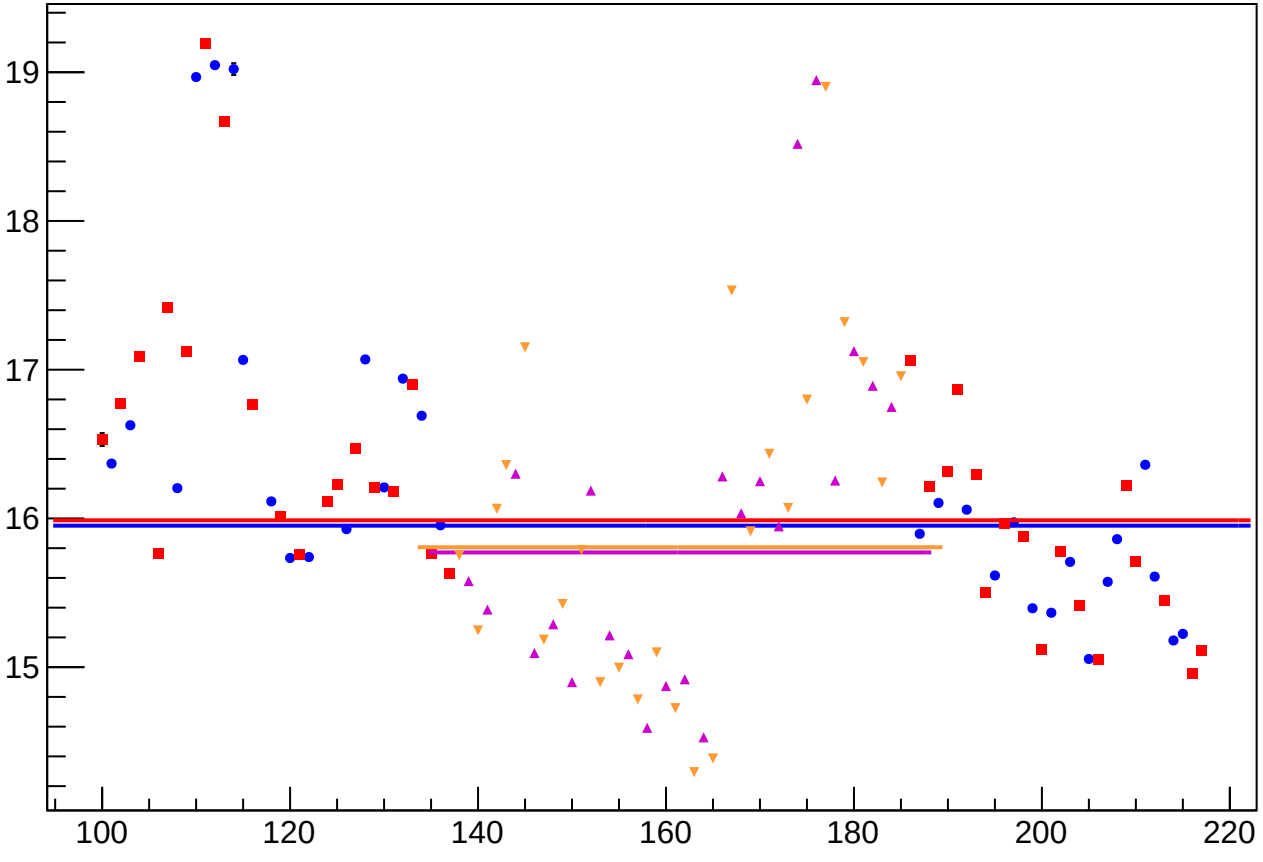
Right: 0.485+/-2.529 χ^2/NDF: 50.3/66

In: -0.241+/-2.592 χ^2/NDF:49.6/53

Out: -3.440+/-2.517 χ^2/NDF:48.5/60

All: -1.887+/-1.806 χ^2/NDF: 98.9/114

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: 15.987+/-0.002 χ^2/NDF: 105762.6/35

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

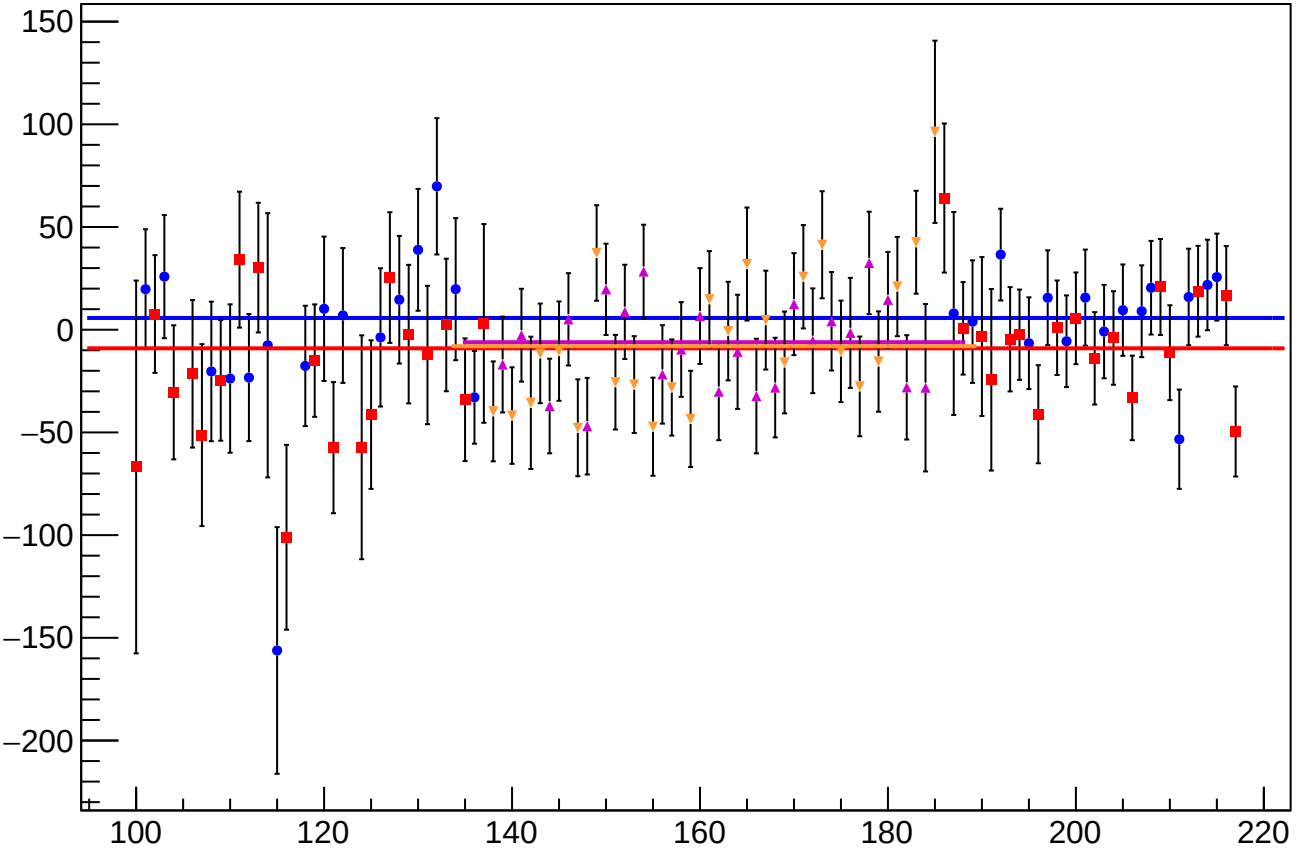
Right: 15.970+/-0.002 χ^2/NDF: 195225.0/66

In: 15.863+/-0.002 χ^2/NDF:243902.9/53

Out: 15.899+/-0.002 χ^2/NDF:280999.4/60

All: 15.881+/-0.001 χ^2/NDF: 525103.3/114

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: -9.058+/-4.724 χ^2/NDF: 32.1/35

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

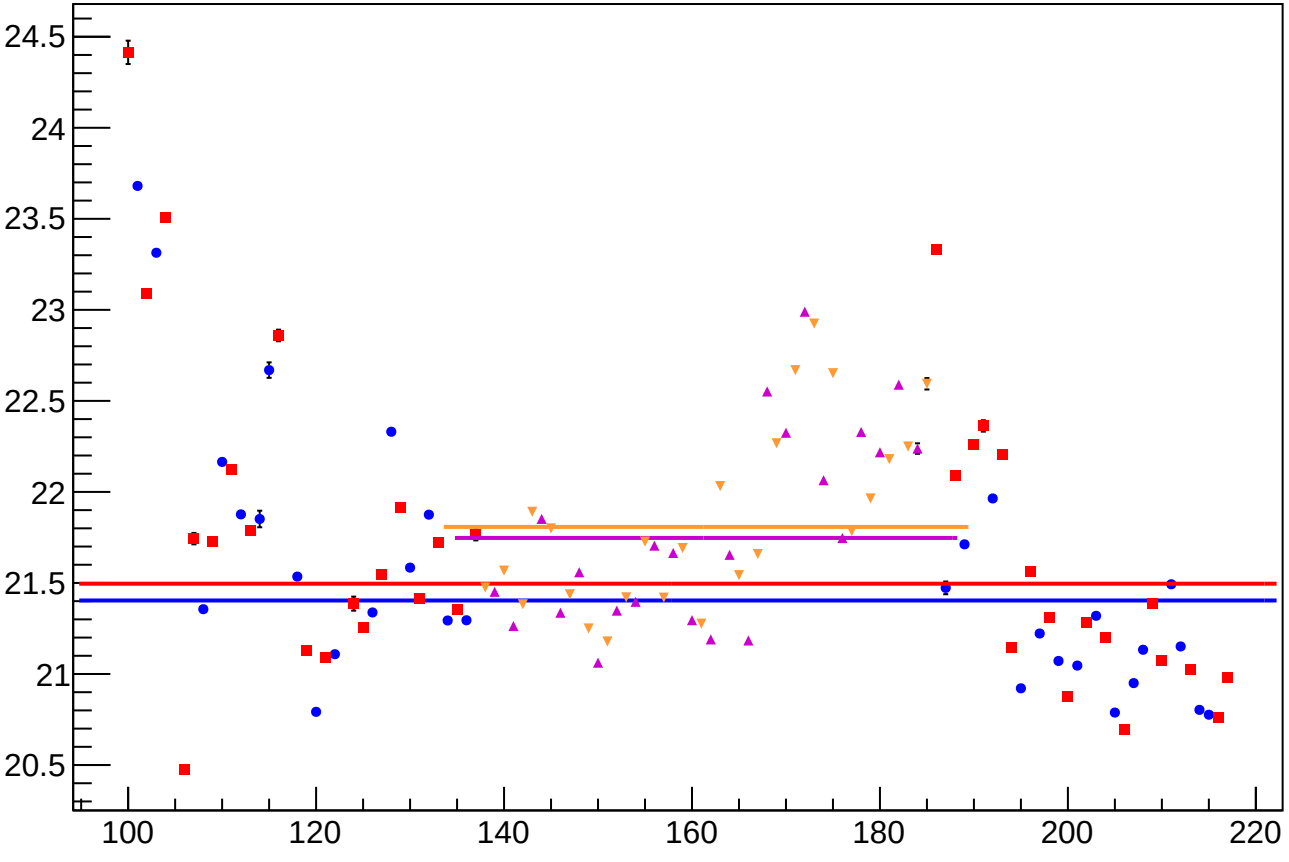
Right: -1.900+/-3.392 χ^2/NDF: 66.8/66

In: 0.061+/-3.517 χ^2/NDF:50.7/53

Out: -8.562+/-3.420 χ^2/NDF:71.0/60

All: -4.372+/-2.452 χ^2/NDF: 124.8/114

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: 21.496+/-0.003 χ^2/NDF: 41646.3/35

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

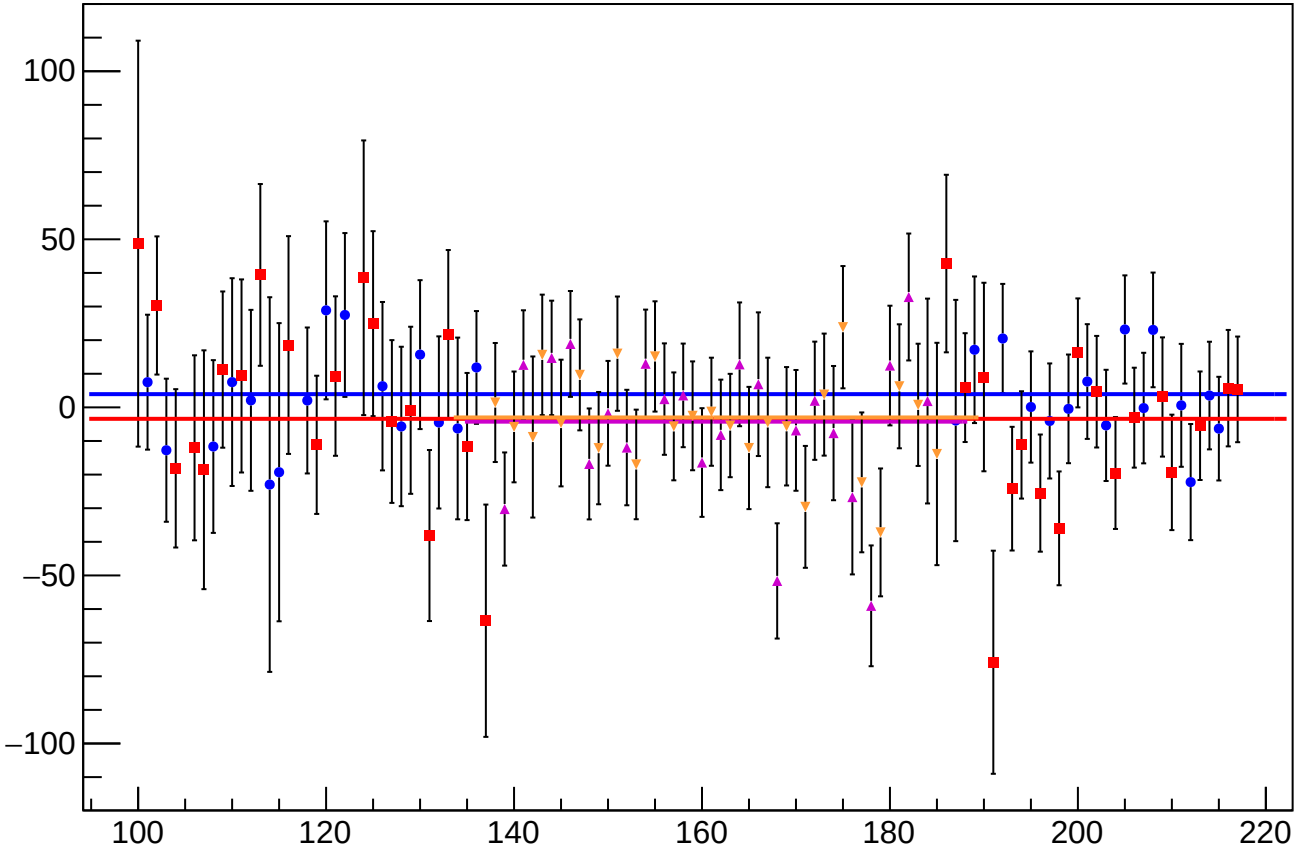
Right: 21.451+/-0.002 χ^2/NDF: 77388.6/66

In: 21.568+/-0.002 χ^2/NDF:60697.2/53

Out: 21.644+/-0.002 χ^2/NDF:63354.5/60

All: 21.607+/-0.002 χ^2/NDF: 124531.5/114

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: -3.406+/-3.496 χ^2/NDF: 35.7/35

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

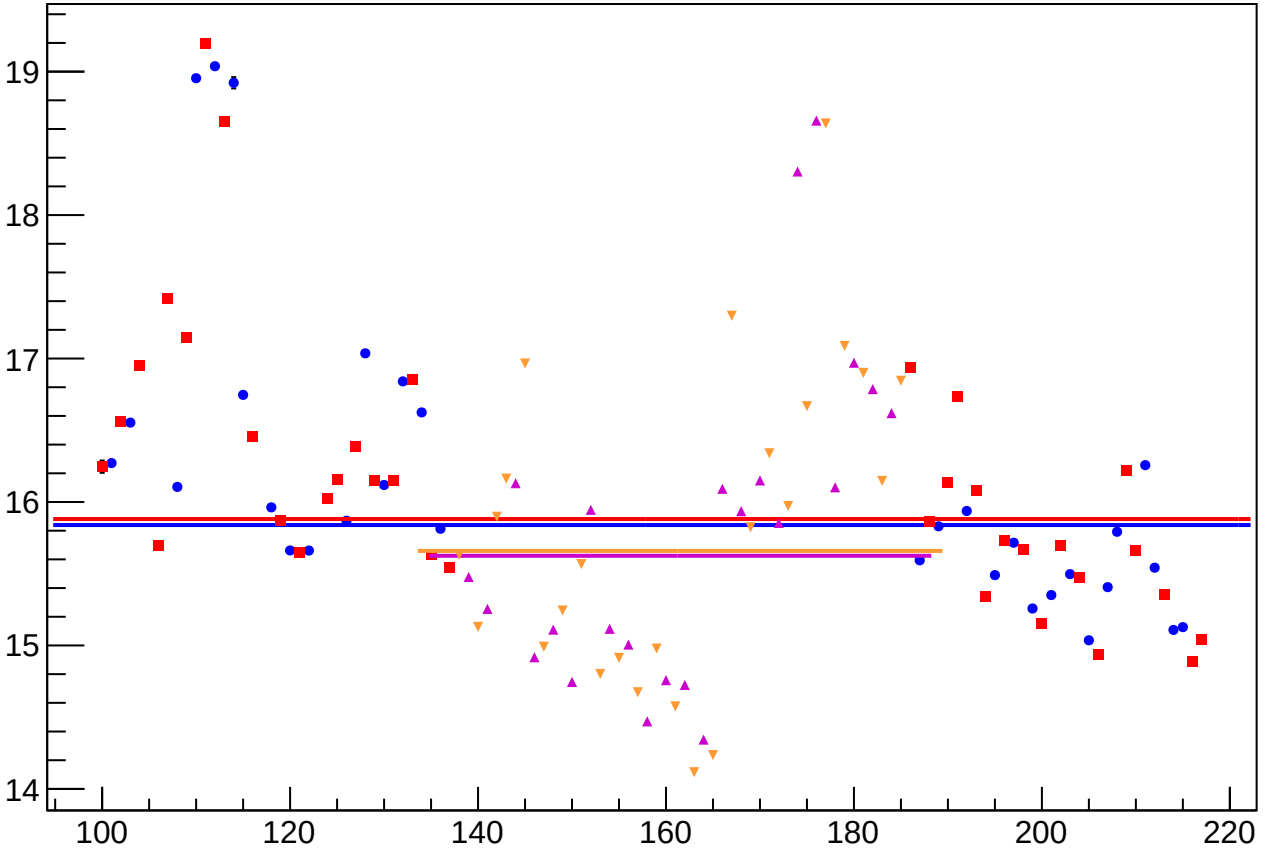
Right: 0.144+/-2.512 χ^2/NDF: 49.8/66

In: -0.102+/-2.571 χ^2/NDF:48.3/53

Out: -3.208+/-2.497 χ^2/NDF:50.3/60

All: -1.701+/-1.791 χ^2/NDF: 99.4/114

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: 15.881+/-0.002 χ^2/NDF: 106346.3/35

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

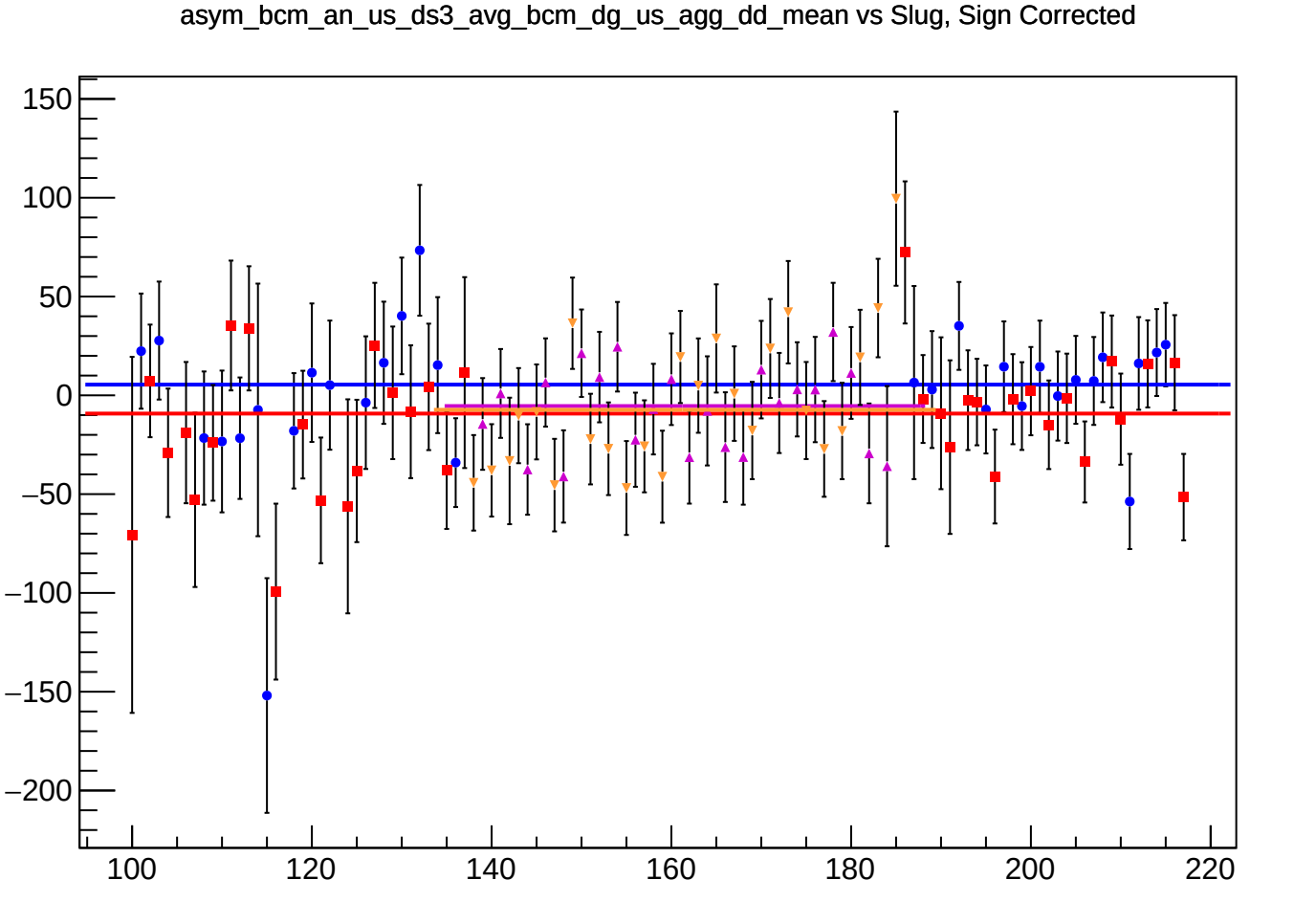
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 15.861+/-0.002 χ^2/NDF: 198497.8/66

In: 15.734+/-0.002 χ^2/NDF:245921.3/53

Out: 15.772+/-0.002 χ^2/NDF:280146.9/60

All: 15.754+/-0.001 χ^2/NDF: 526301.8/114



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: -9.236+/-4.702 χ^2/NDF: 33.0/35

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

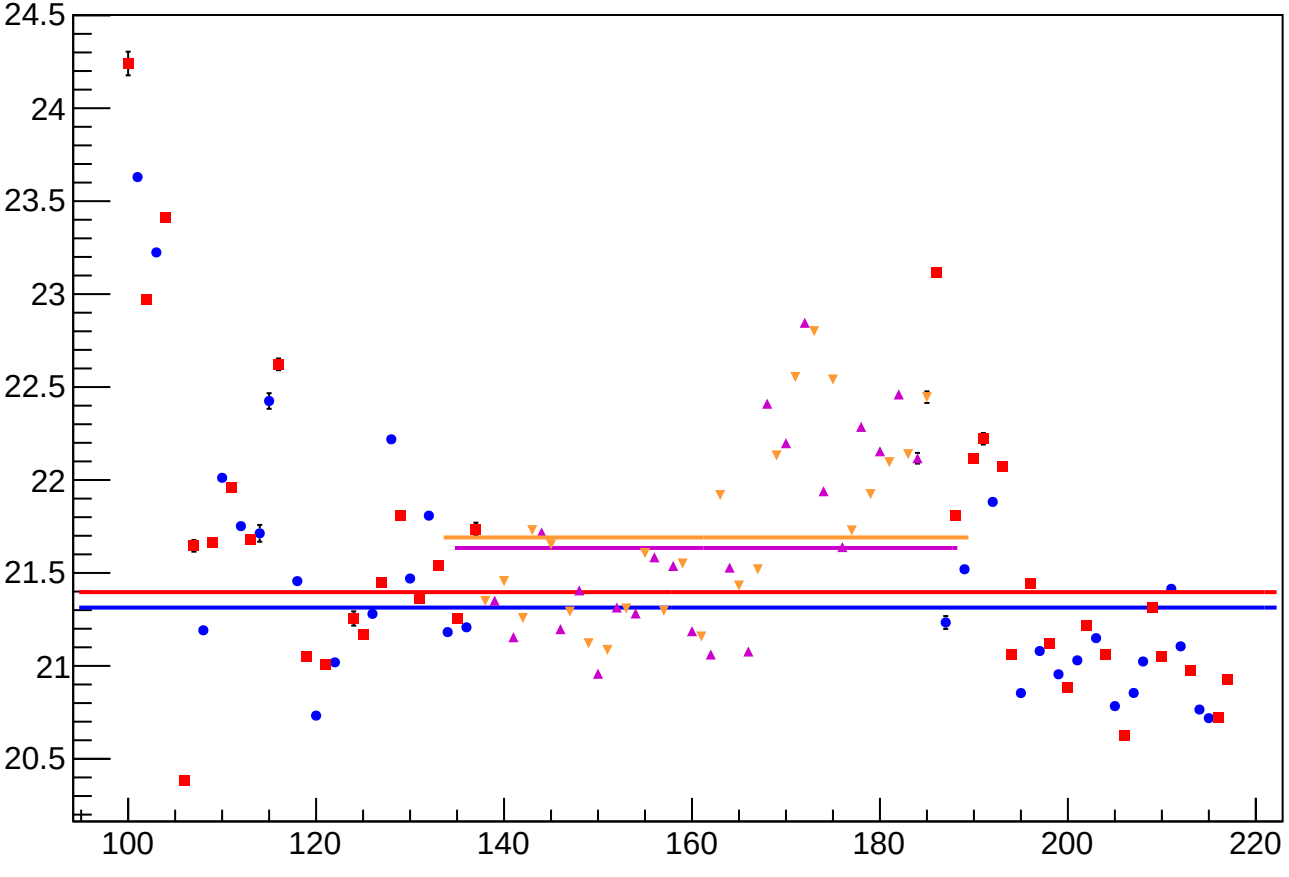
Right: -2.144+/-3.377 χ^2/NDF: 68.2/66

In: 0.207+/-3.501 χ^2/NDF:50.2/53

Out: -8.322+/-3.402 χ^2/NDF:71.7/60

All: -4.178+/-2.440 χ^2/NDF: 124.9/114

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: 21.397+/-0.003 χ^2/NDF: 38088.6/35

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

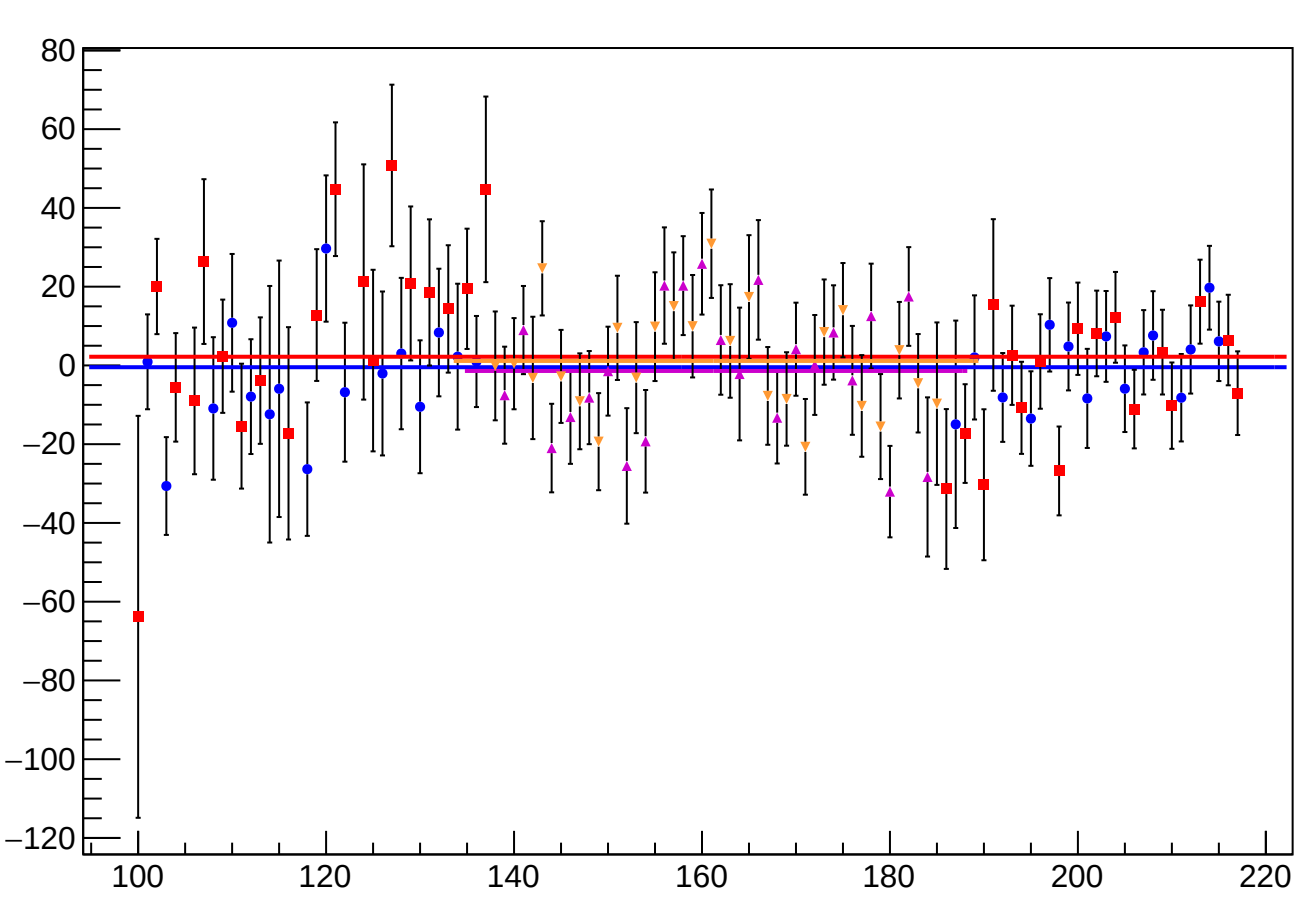
Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

Right: 21.357+/-0.002 χ^2/NDF: 72966.0/66

In: 21.468+/-0.002 χ^2/NDF:59329.5/53

Out: 21.537+/-0.002 χ^2/NDF:59750.3/60

All: 21.503+/-0.002 χ^2/NDF: 119482.7/114



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: 2.204+/-2.376 χ^2/NDF: 50.6/35

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

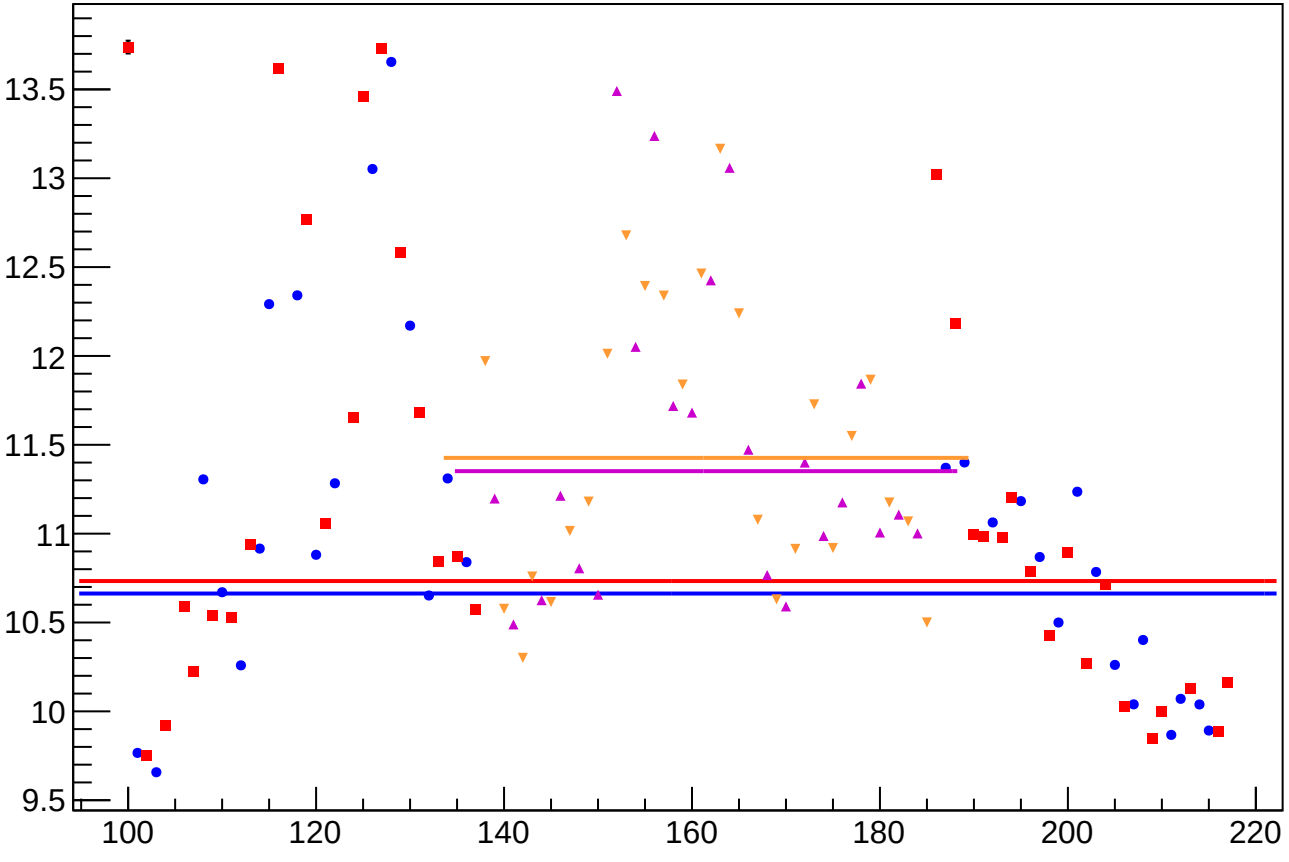
Right: 0.911+/-1.704 χ^2/NDF: 73.5/66

In: -0.889+/-1.804 χ^2/NDF:58.7/53

Out: 1.723+/-1.760 χ^2/NDF:75.2/60

All: 0.449+/-1.260 χ^2/NDF: 135.0/114

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.663+/-0.002 χ^2/NDF: 211853.4/30

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 10.733+/-0.002 χ^2/NDF: 296811.6/35

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

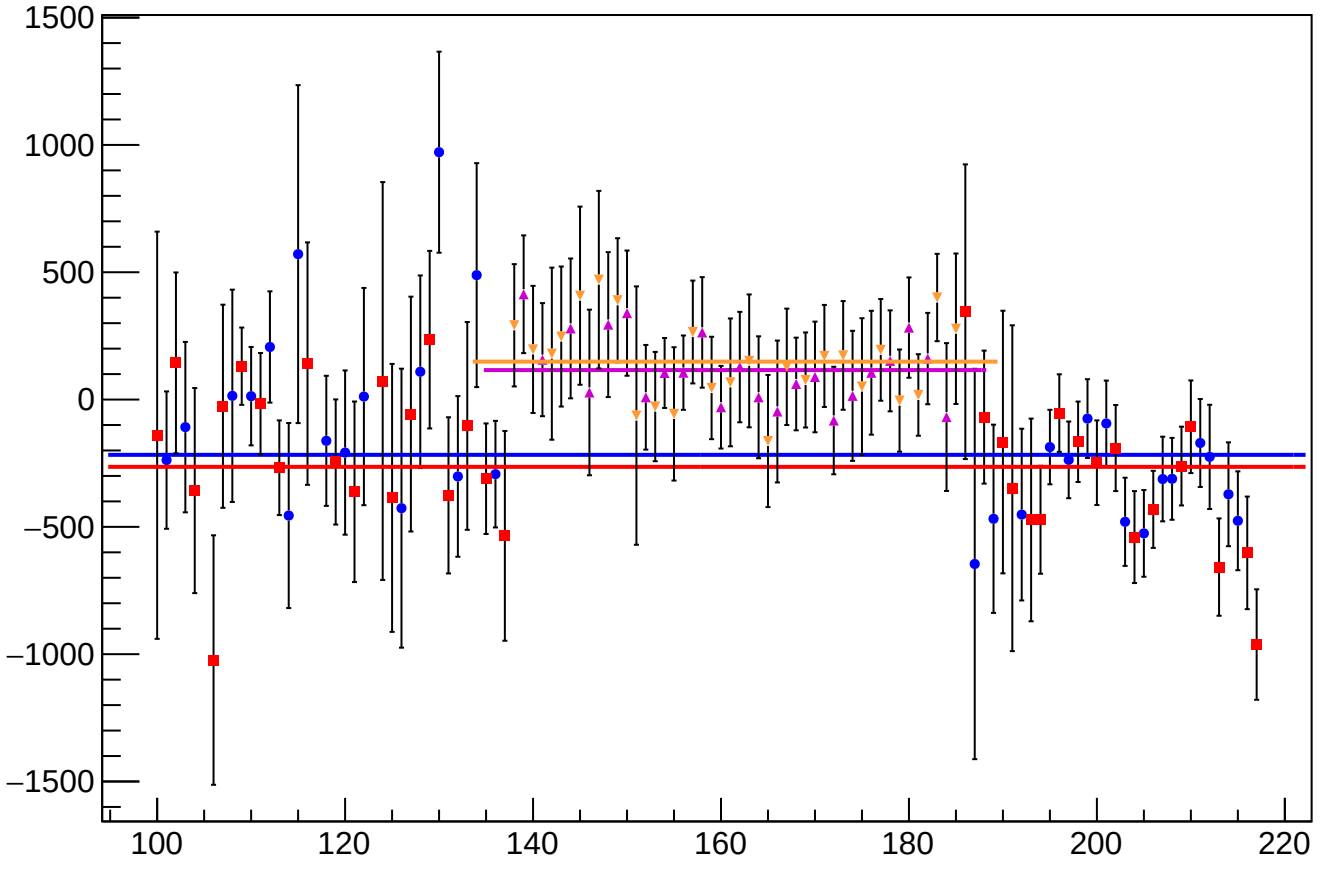
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.699+/-0.001 χ^2/NDF: 509514.5/66

In: 10.976+/-0.001 χ^2/NDF:454702.7/53

Out: 11.046+/-0.001 χ^2/NDF:530589.7/60

All: 11.012+/-0.001 χ^2/NDF: 986823.5/114



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: -264.321+/-39.629 χ^2/NDF: 43.3/35

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

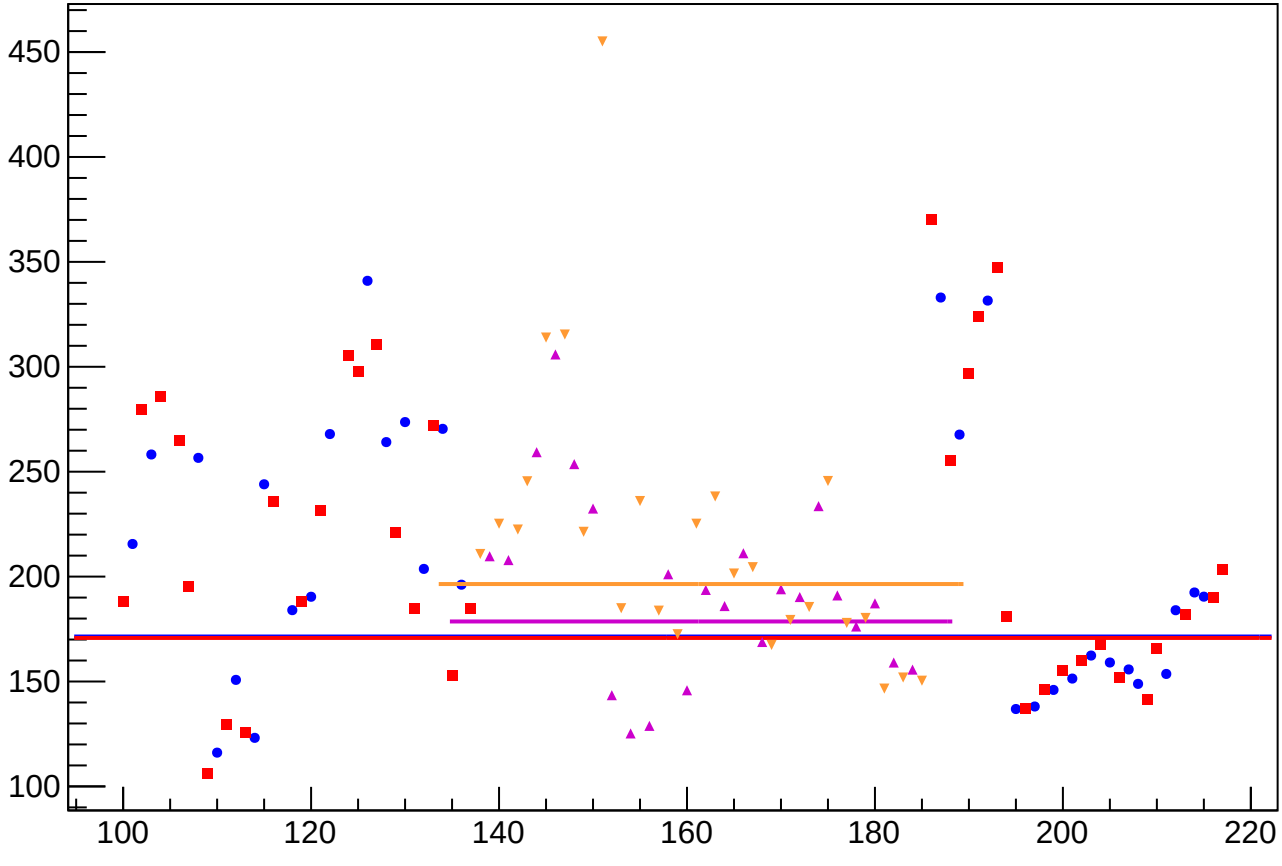
Right: -241.270+/-28.349 χ^2/NDF: 75.8/66

In: -62.821+/-29.714 χ^2/NDF:70.9/53

Out: -89.624+/-30.109 χ^2/NDF:99.7/60

All: -76.046+/-21.149 χ^2/NDF: 171.0/114

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: 170.764+/-0.028 χ^2/NDF: 3072484.6/35

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

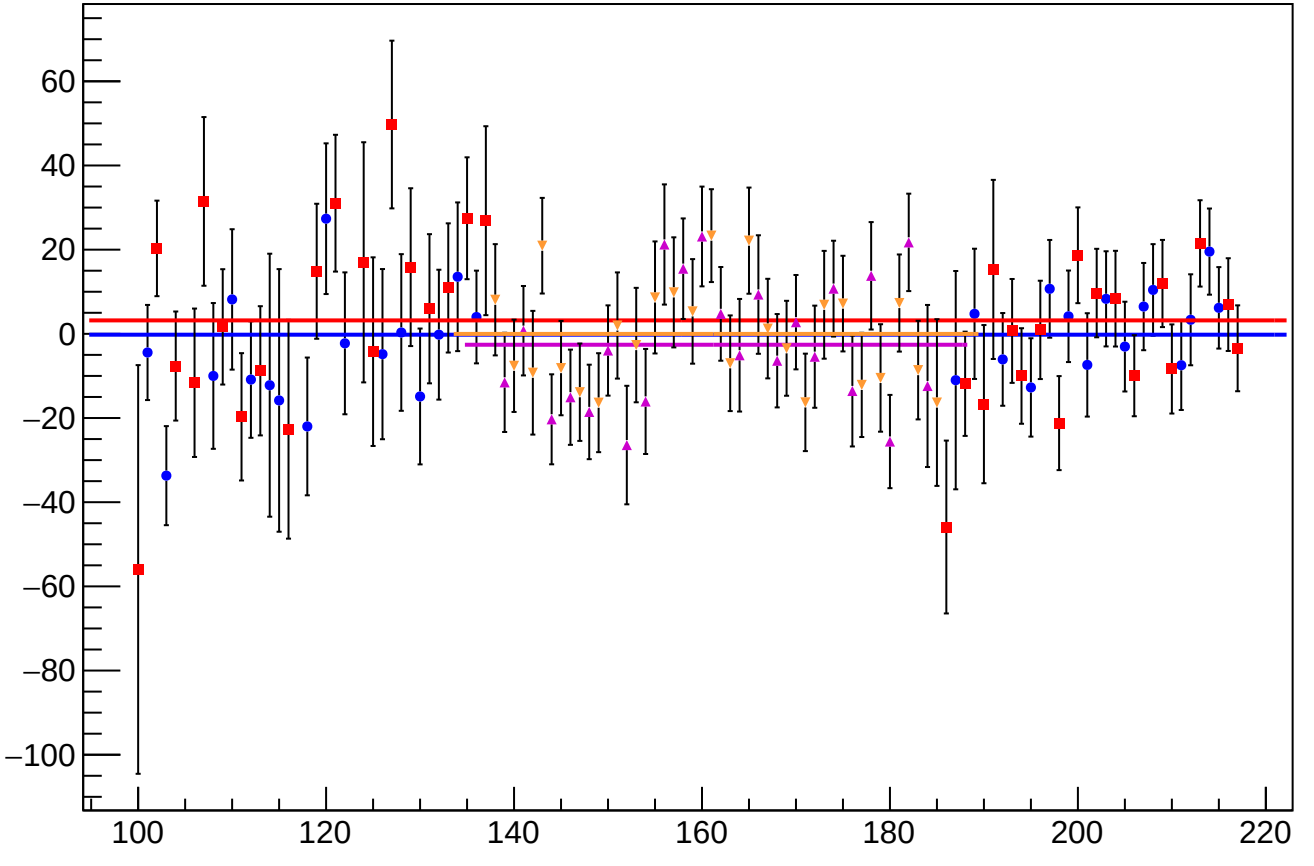
Right: 171.094+/-0.020 χ^2/NDF: 5405012.8/66

In: 174.766+/-0.021 χ^2/NDF:4040089.5/53

Out: 181.625+/-0.021 χ^2/NDF:5246567.6/60

All: 178.150+/-0.015 χ^2/NDF: 9339237.7/114

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.204+/-2.356 χ^2/NDF: 25.4/30

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.194+/-2.293 χ^2/NDF: 49.7/35

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

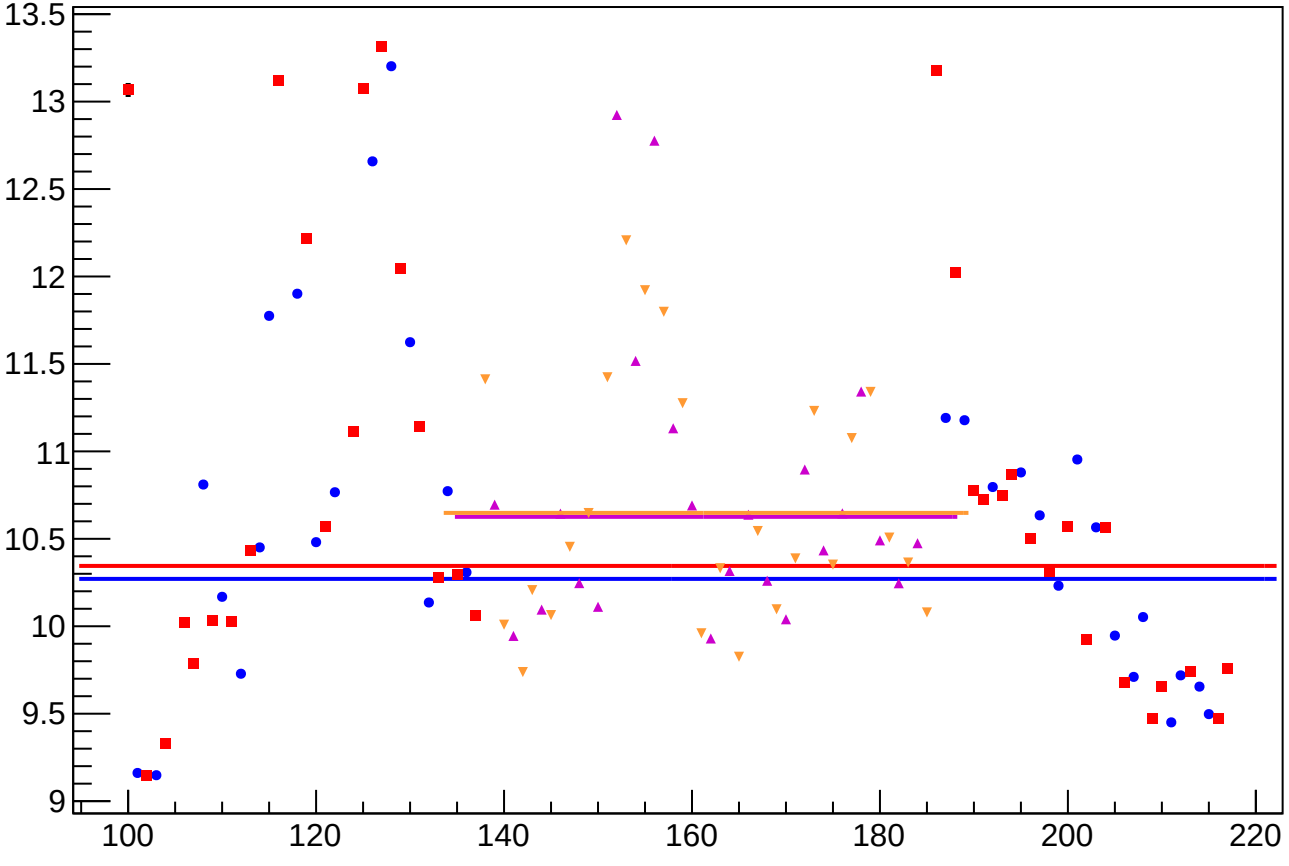
Right: 1.541+/-1.643 χ^2/NDF: 76.2/66

In: -1.324+/-1.716 χ^2/NDF:60.7/53

Out: 1.691+/-1.672 χ^2/NDF:74.4/60

All: 0.223+/-1.198 χ^2/NDF: 136.7/114

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: 10.345+/-0.002 χ^2/NDF: 338487.8/35

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

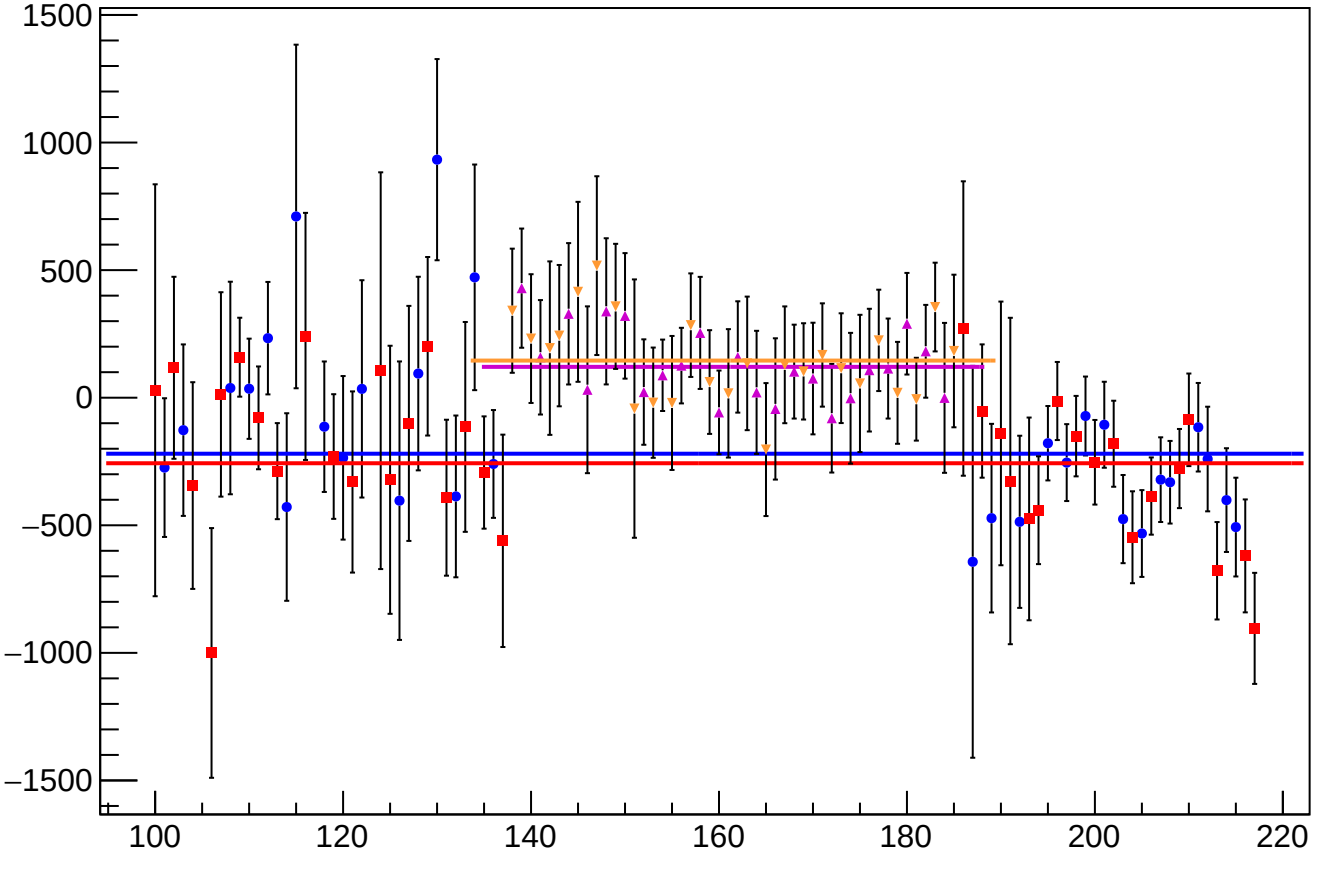
Right: 10.309+/-0.001 χ^2/NDF: 576537.6/66

In: 10.437+/-0.001 χ^2/NDF:417862.3/53

Out: 10.487+/-0.001 χ^2/NDF:498393.6/60

All: 10.463+/-0.001 χ^2/NDF: 917113.7/114

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: -256.854+/-39.739 χ^2/NDF: 42.5/35

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

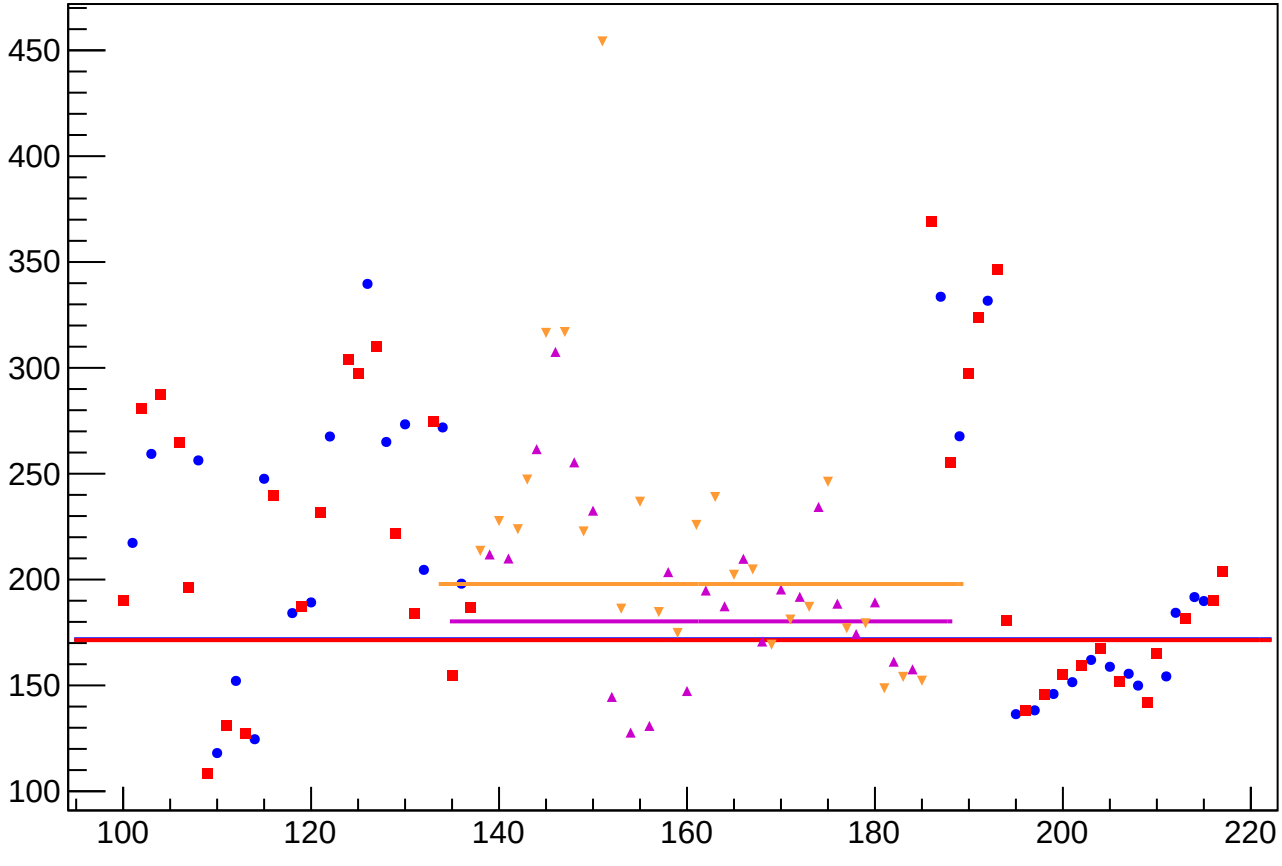
Right: -238.599+/-28.414 χ^2/NDF: 76.9/66

In: -62.765+/-29.853 χ^2/NDF:74.5/53

Out: -87.488+/-30.241 χ^2/NDF:95.9/60

All: -74.968+/-21.245 χ^2/NDF: 170.8/114

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: 171.381+/-0.028 χ^2/NDF: 3019314.1/35

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

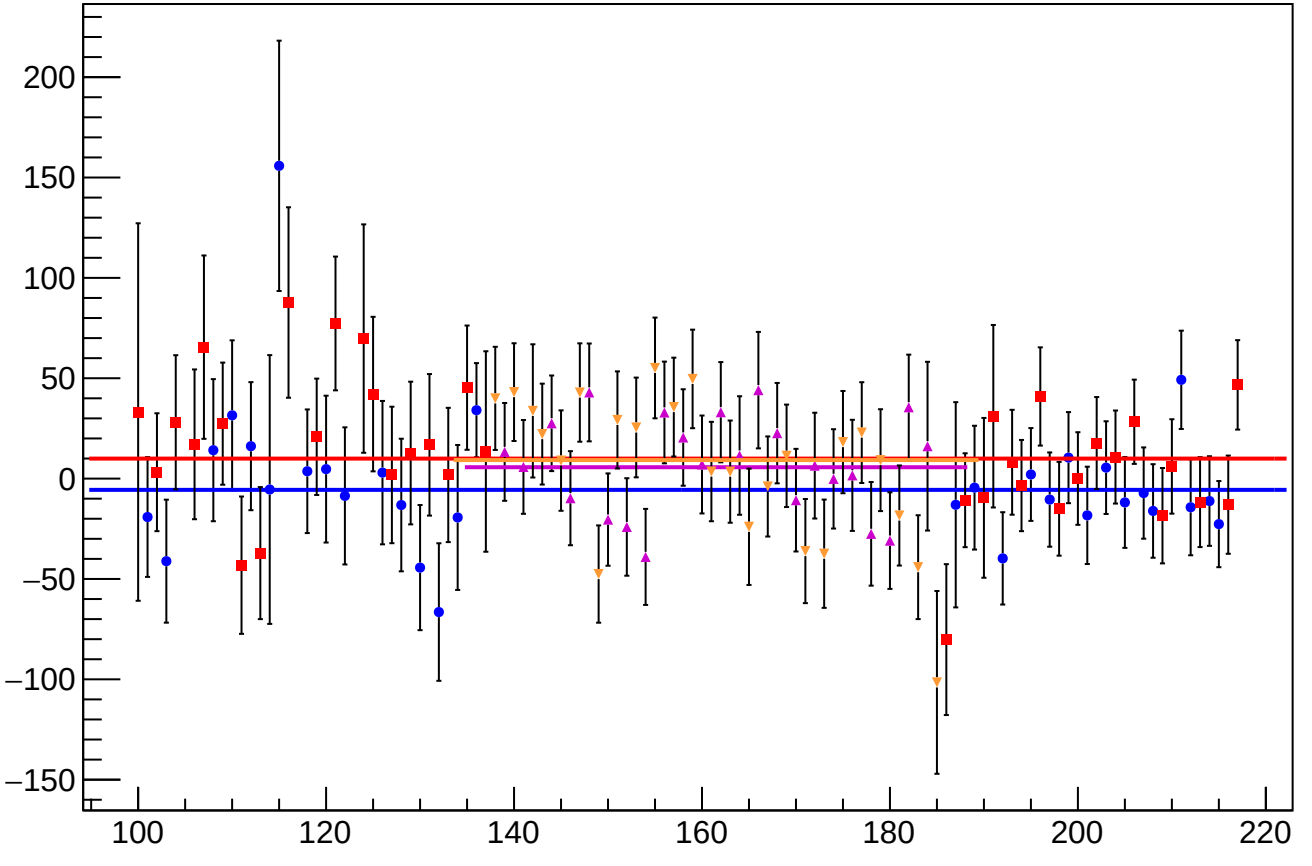
Right: 171.580+/-0.020 χ^2/NDF: 5339880.5/66

In: 175.683+/-0.021 χ^2/NDF:3988147.5/53

Out: 182.539+/-0.021 χ^2/NDF:5182755.3/60

All: 179.067+/-0.015 χ^2/NDF: 9222956.8/114

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: 9.968+/-4.864 χ^2/NDF: 34.1/35

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

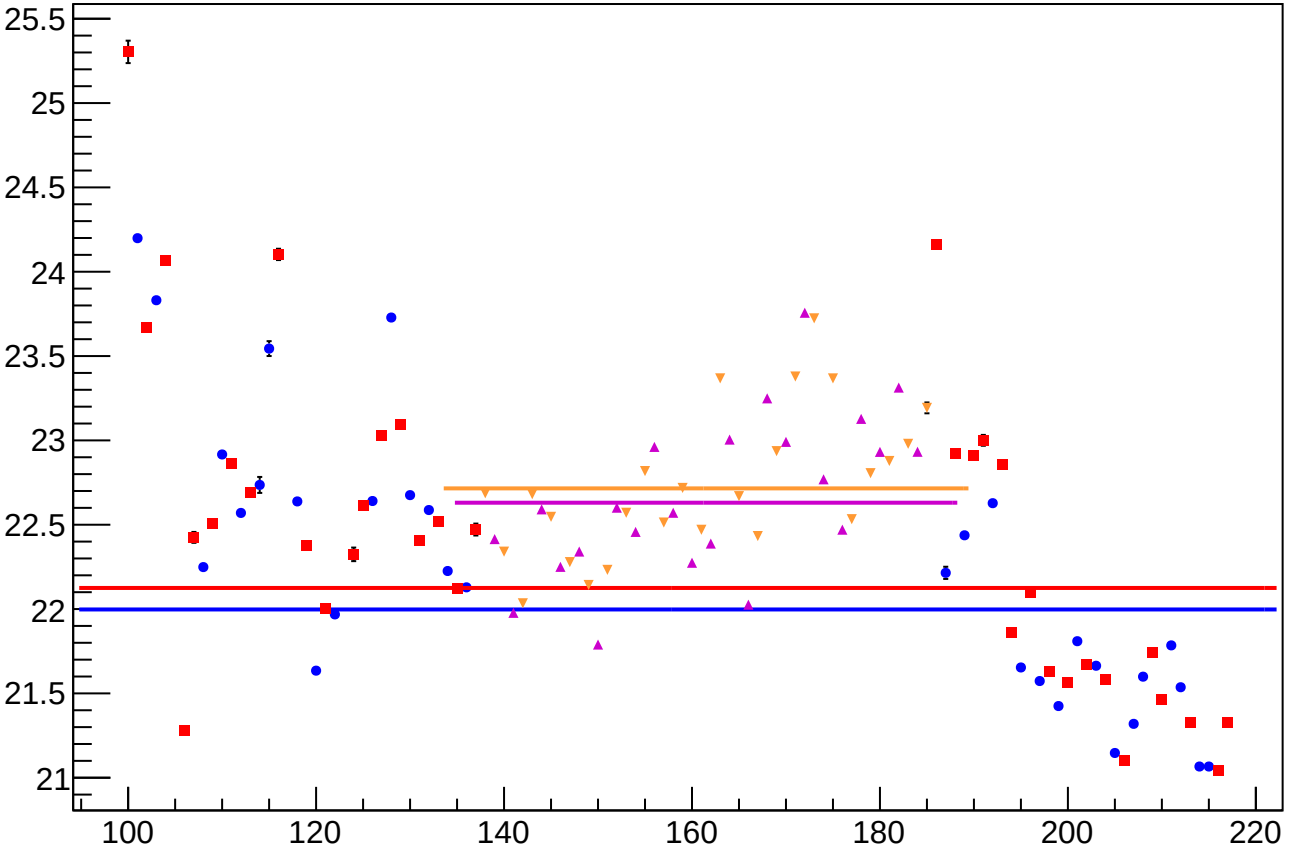
Right: 2.410+/-3.490 χ^2/NDF: 66.6/66

In: -0.273+/-3.636 χ^2/NDF:50.7/53

Out: 9.623+/-3.540 χ^2/NDF:73.5/60

All: 4.808+/-2.537 χ^2/NDF: 128.0/114

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.998+/-0.004 χ^2/NDF: 48542.1/30

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.125+/-0.003 χ^2/NDF: 56347.5/35

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

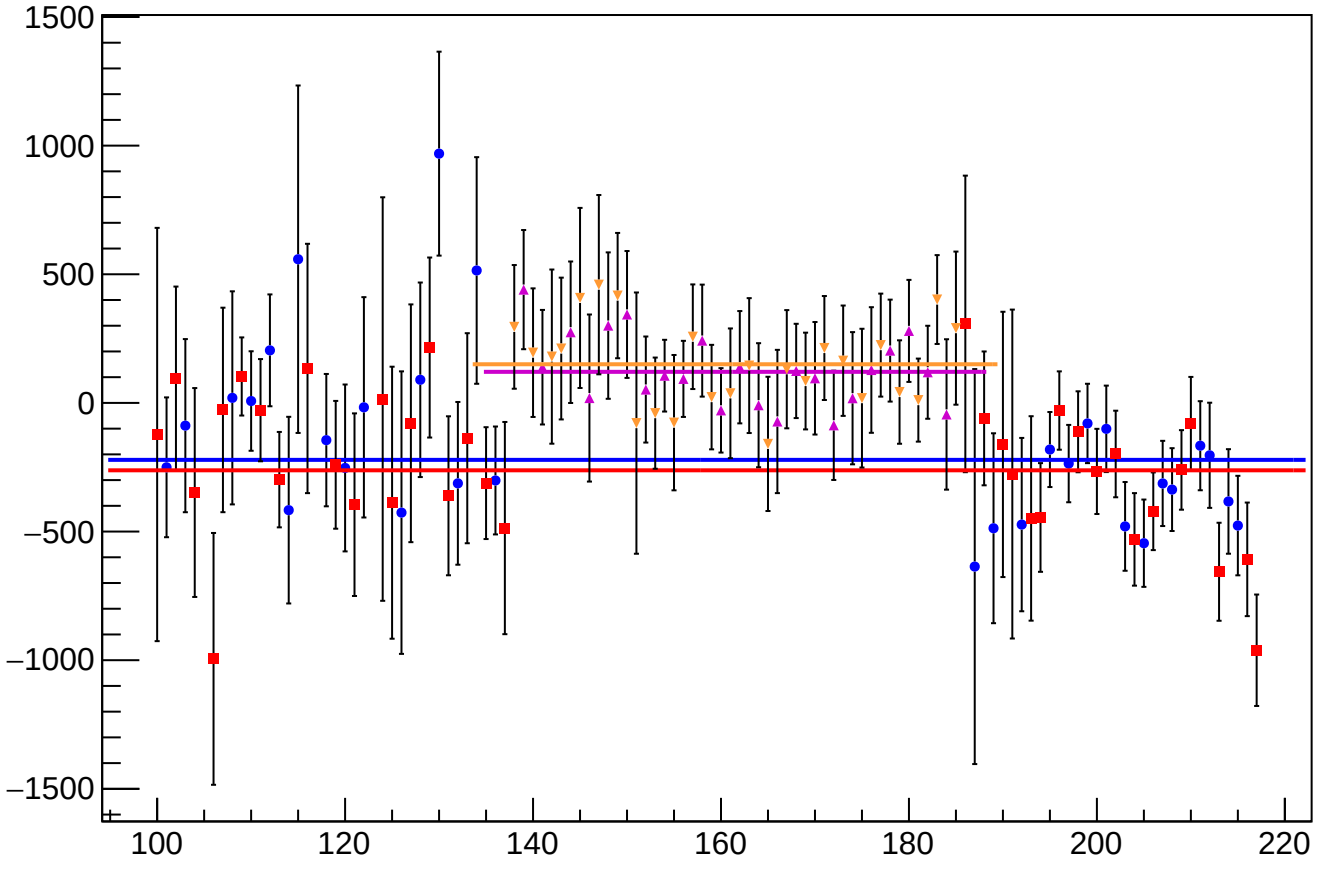
Right: 22.063+/-0.002 χ^2/NDF: 105556.9/66

In: 22.297+/-0.003 χ^2/NDF:79038.1/53

Out: 22.403+/-0.003 χ^2/NDF:82383.5/60

All: 22.351+/-0.002 χ^2/NDF: 162287.9/114

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -221.343+/-40.527 χ^2/NDF: 32.6/30

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -261.969+/-39.578 χ^2/NDF: 41.9/35

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

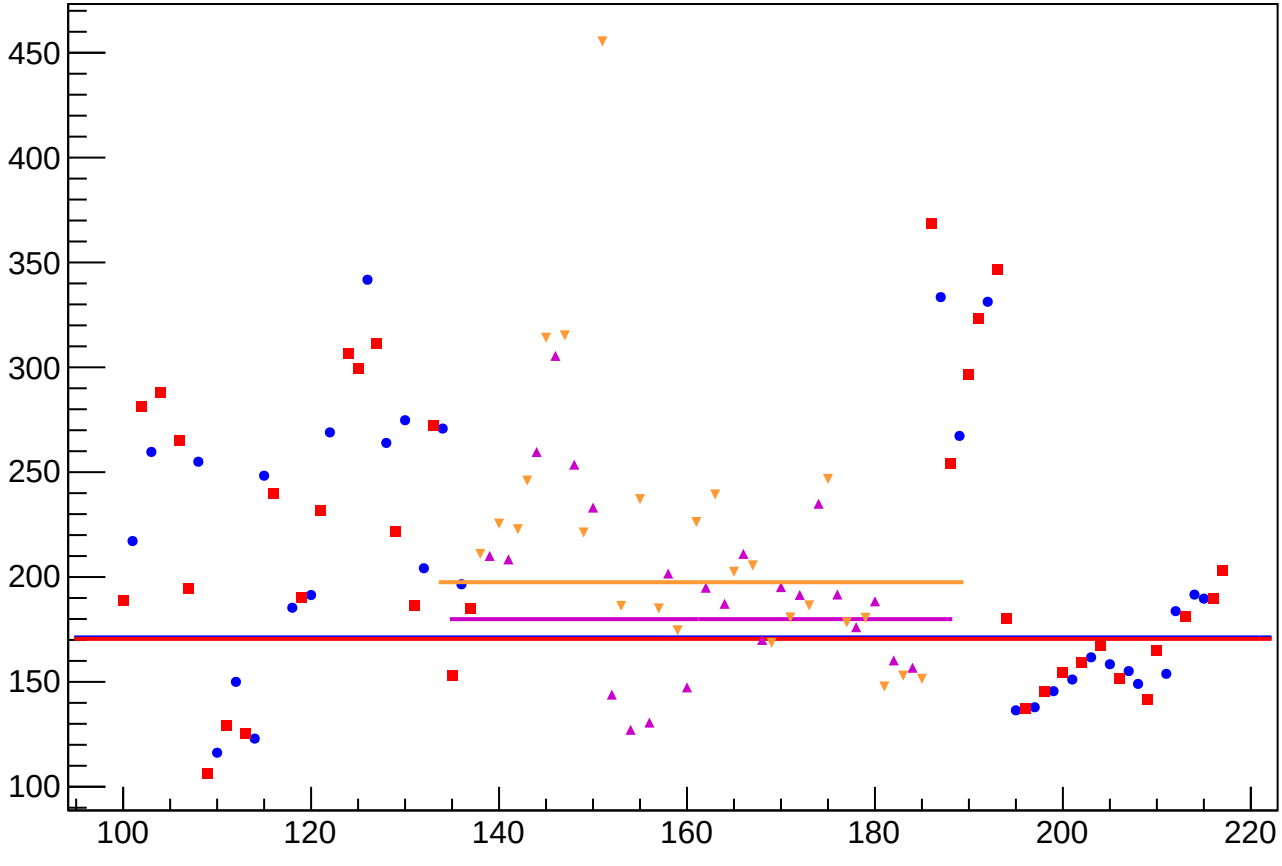
Right: -242.137+/-28.315 χ^2/NDF: 75.0/66

In: -64.015+/-29.784 χ^2/NDF:73.2/53

Out: -88.962+/-30.148 χ^2/NDF:98.4/60

All: -76.337+/-21.188 χ^2/NDF: 172.0/114

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: 170.516+/-0.028 χ^2/NDF: 3091700.9/35

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

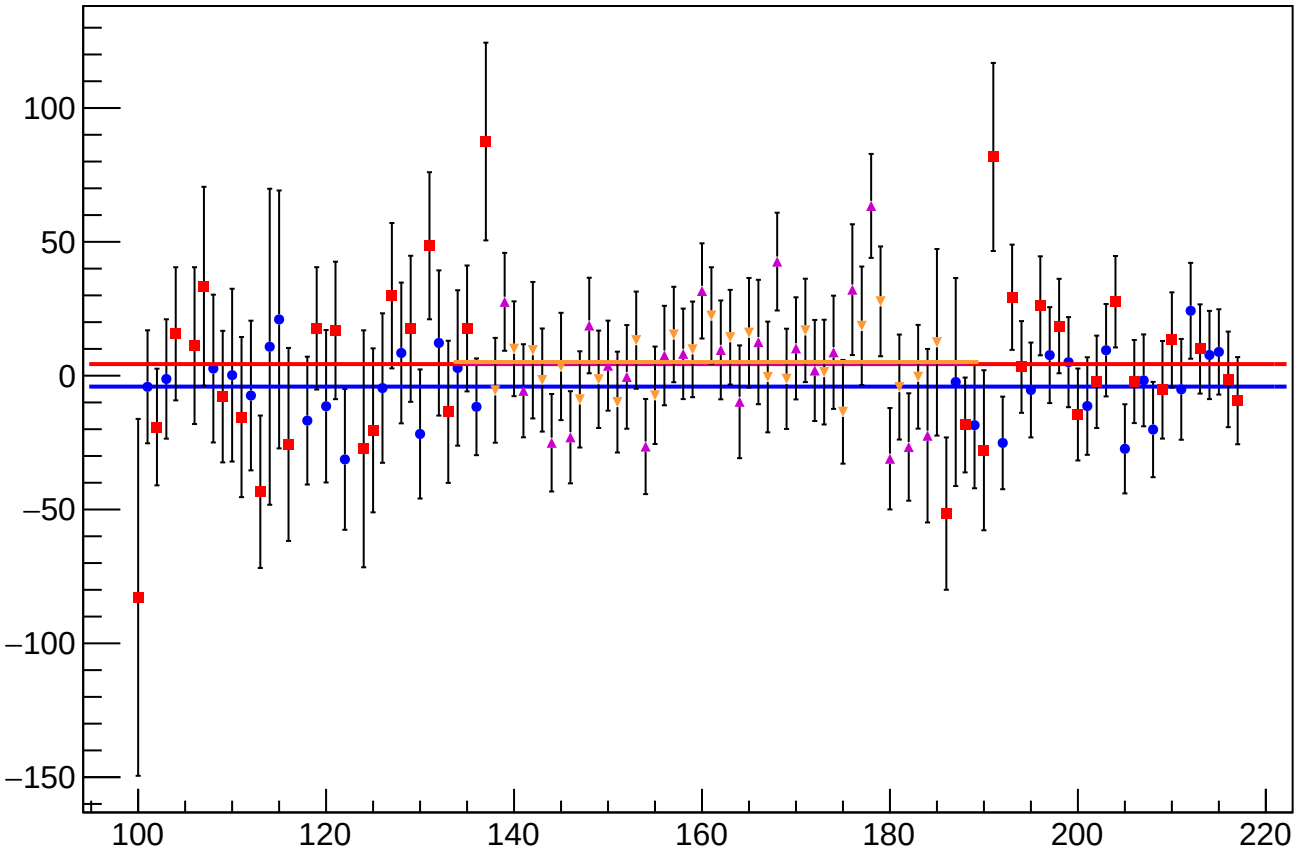
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 170.857+/-0.020 χ^2/NDF: 5445113.9/66

In: 175.220+/-0.021 χ^2/NDF:4019721.0/53

Out: 181.856+/-0.021 χ^2/NDF:5272809.7/60

All: 178.498+/-0.015 χ^2/NDF: 9341572.2/114



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: 4.325+/-3.699 χ^2/NDF: 39.2/35

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

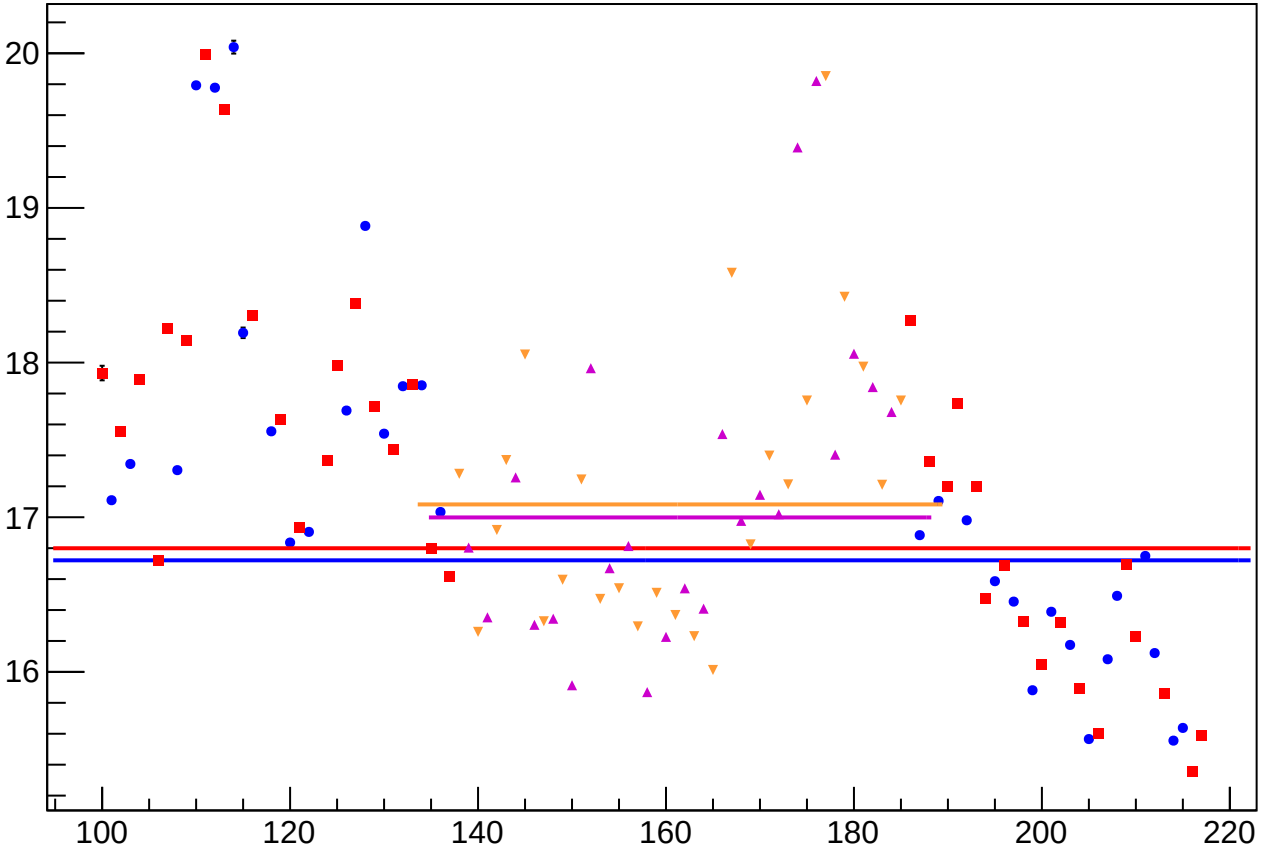
Right: 0.251+/-2.656 χ^2/NDF: 54.8/66

In: 0.199+/-2.754 χ^2/NDF:51.2/53

Out: 4.702+/-2.681 χ^2/NDF:47.2/60

All: 2.511+/-1.921 χ^2/NDF: 99.7/114

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.721+/-0.003 χ^2/NDF: 124673.9/30

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 16.799+/-0.003 χ^2/NDF: 148883.3/35

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

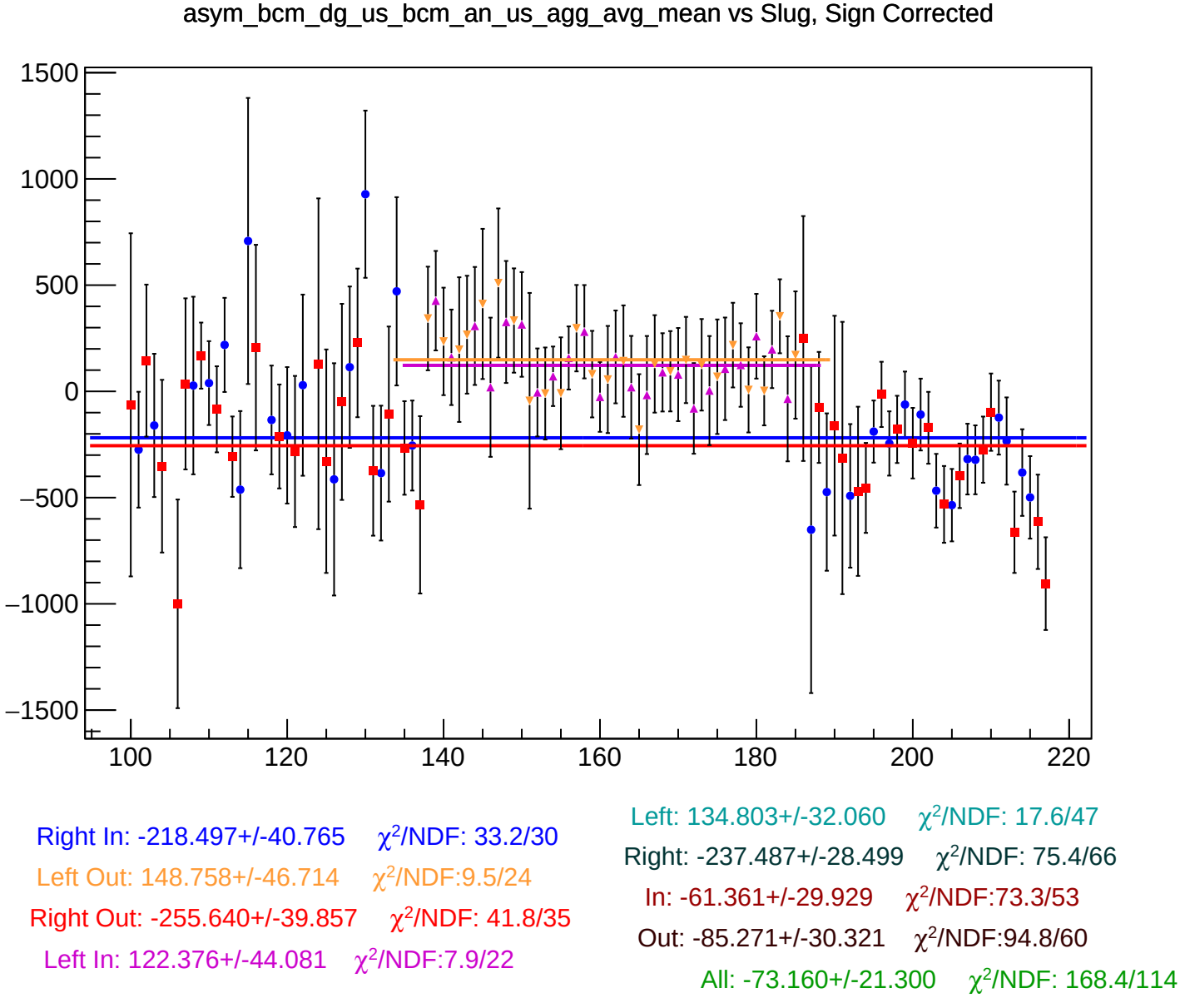
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 16.762+/-0.002 χ^2/NDF: 273988.9/66

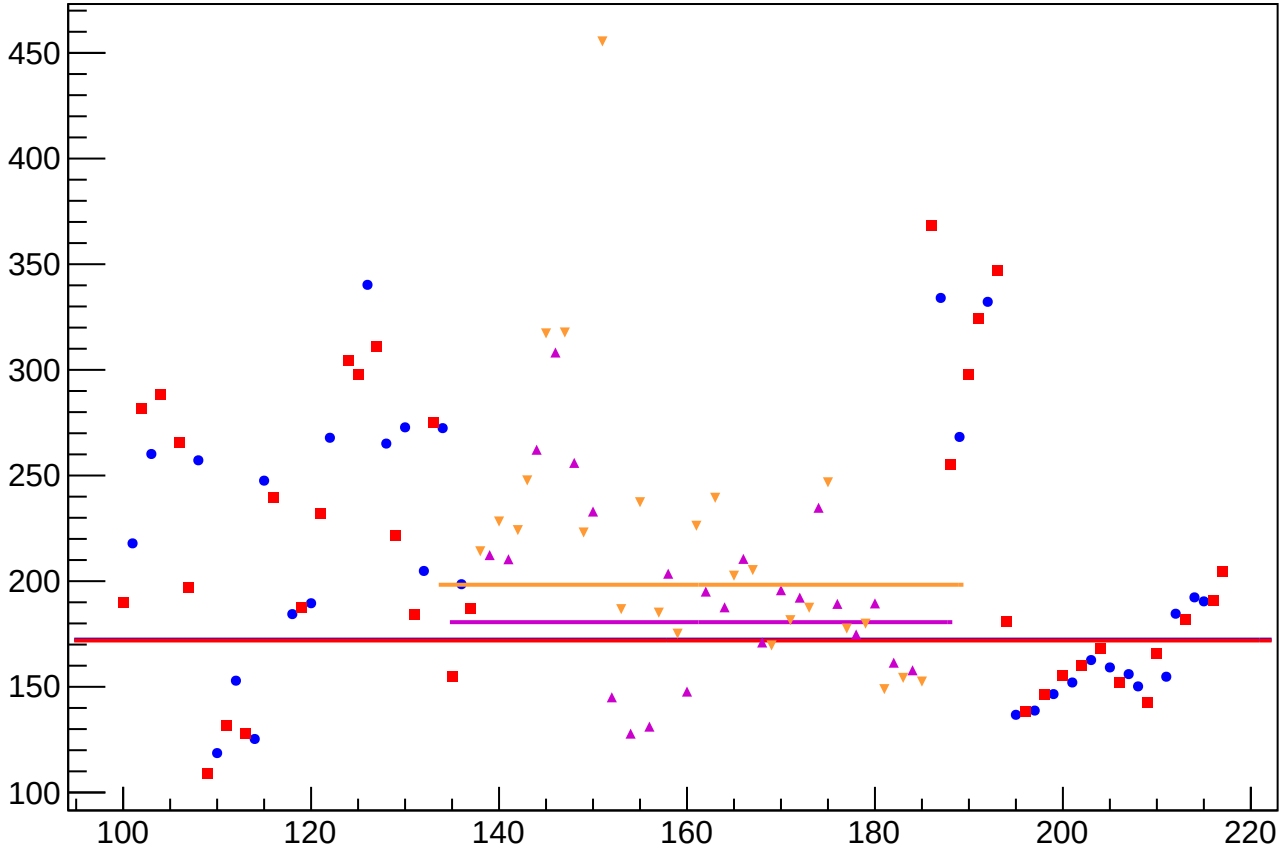
In: 16.854+/-0.002 χ^2/NDF:233755.6/53

Out: 16.934+/-0.002 χ^2/NDF:251233.4/60

All: 16.895+/-0.001 χ^2/NDF: 485853.4/114


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -218.497+/-40.765 χ²/NDF: 33.2/30
Left Out: 148.758+/-46.714 χ²/NDF:9.5/24
Right Out: -255.640+/-39.857 χ²/NDF: 41.8/35
Left In: 122.376+/-44.081 χ²/NDF:7.9/22
Left: 134.803+/-32.060 χ²/NDF: 17.6/47
Right: -237.487+/-28.499 χ²/NDF: 75.4/66
In: -61.361+/-29.929 χ²/NDF:73.3/53
Out: -85.271+/-30.321 χ²/NDF:94.8/60
All: -73.160+/-21.300 χ²/NDF: 168.4/114

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: 171.934+/-0.028 χ^2/NDF: 3001065.9/35

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

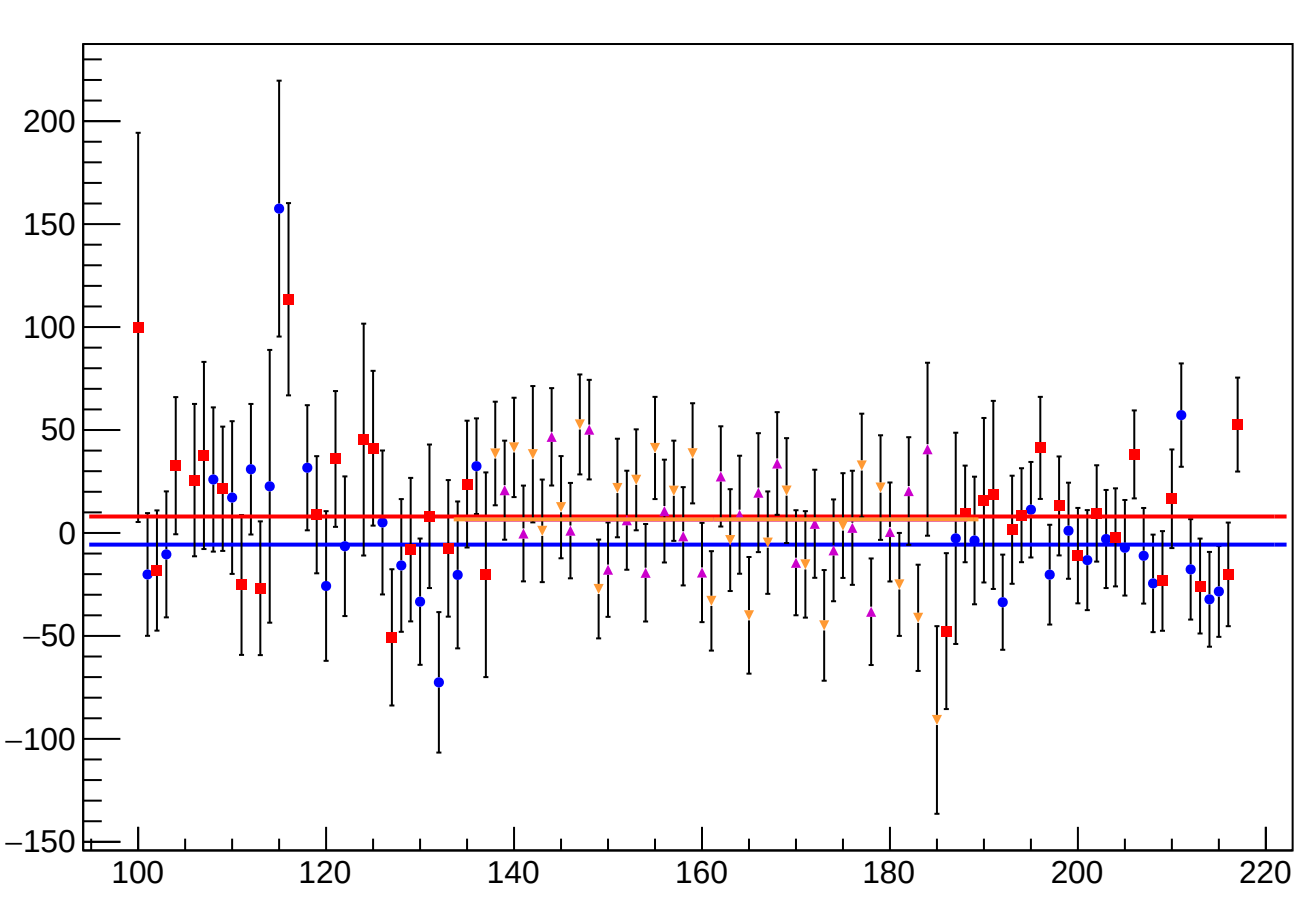
Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

Right: 172.130+/-0.020 χ^2/NDF: 5308848.9/66

In: 176.146+/-0.021 χ^2/NDF:3973663.4/53

Out: 183.047+/-0.021 χ^2/NDF:5160435.9/60

All: 179.552+/-0.015 χ^2/NDF: 9186579.1/114



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: 7.993+/-4.896 χ^2/NDF: 32.5/35

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

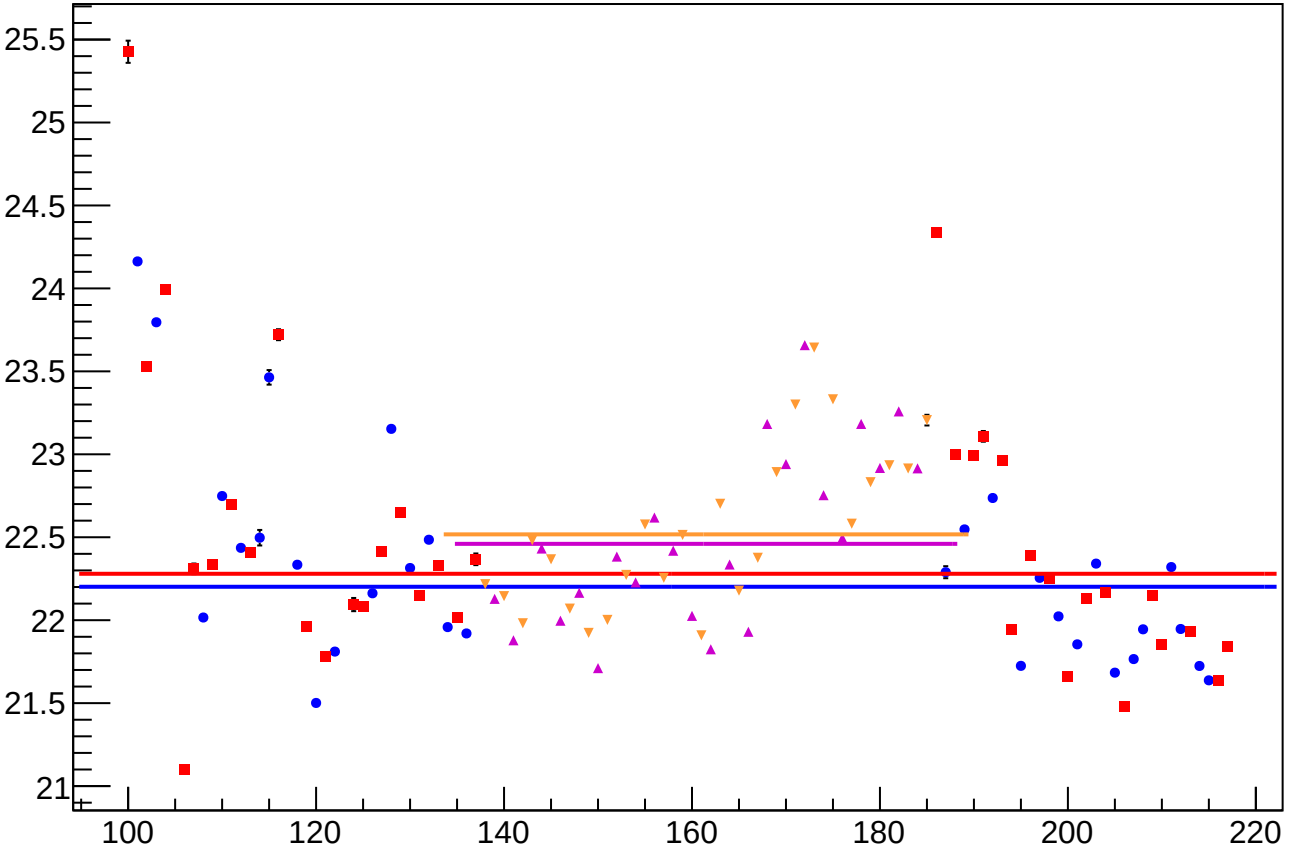
Right: 1.385+/-3.517 χ^2/NDF: 67.9/66

In: 0.186+/-3.640 χ^2/NDF:51.8/53

Out: 7.332+/-3.538 χ^2/NDF:69.4/60

All: 3.862+/-2.537 χ^2/NDF: 123.2/114

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: 22.280+/-0.003 χ^2/NDF: 35171.8/35

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

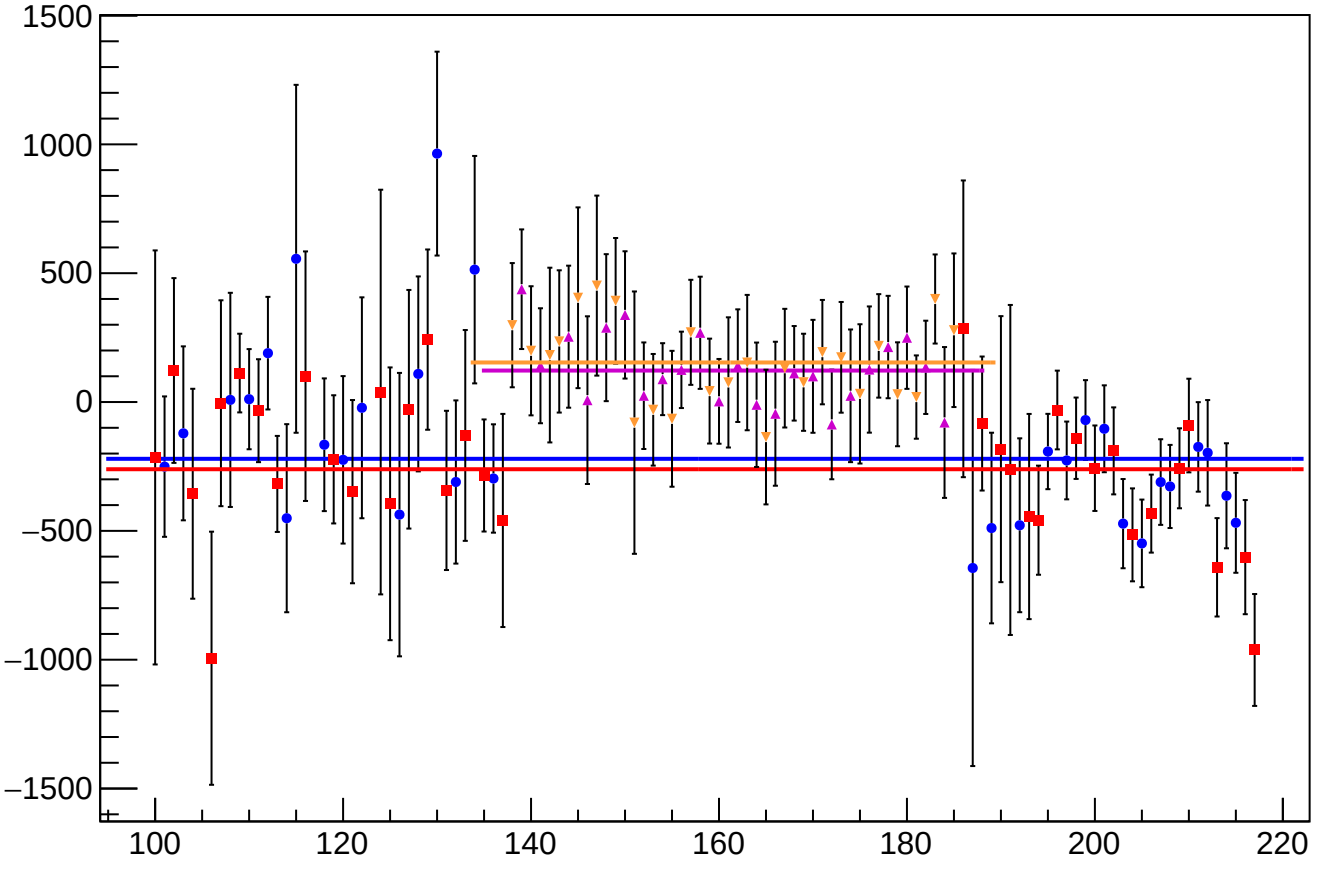
Right: 22.242+/-0.002 χ^2/NDF: 61469.3/66

In: 22.326+/-0.003 χ^2/NDF:47689.1/53

Out: 22.393+/-0.003 χ^2/NDF:53425.7/60

All: 22.361+/-0.002 χ^2/NDF: 101466.2/114

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: -260.791+/-39.697 χ^2/NDF: 41.2/35

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

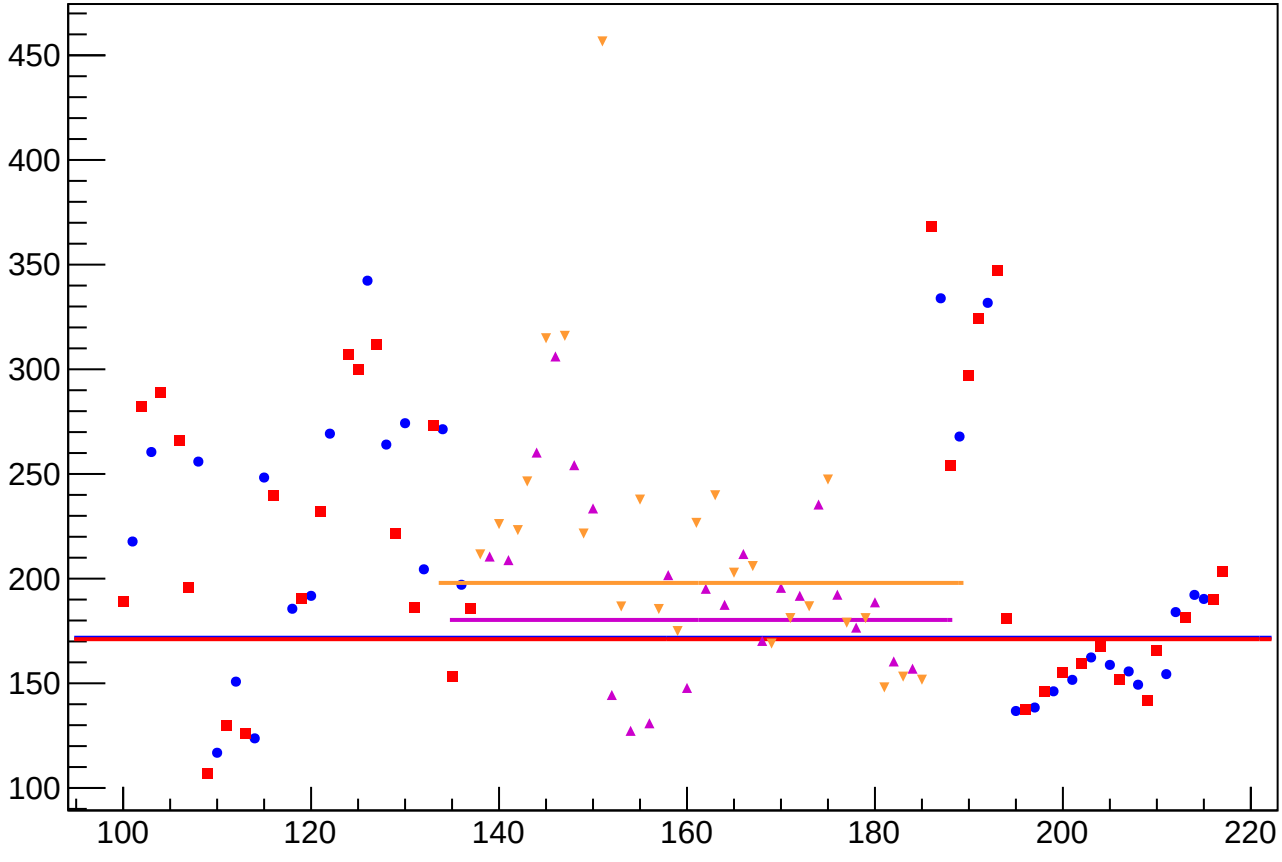
Right: -241.054+/-28.401 χ^2/NDF: 73.6/66

In: -62.653+/-29.860 χ^2/NDF:72.0/53

Out: -86.726+/-30.229 χ^2/NDF:97.0/60

All: -74.542+/-21.243 χ^2/NDF: 169.4/114

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: 171.074+/-0.028 χ^2/NDF: 3072547.0/35

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

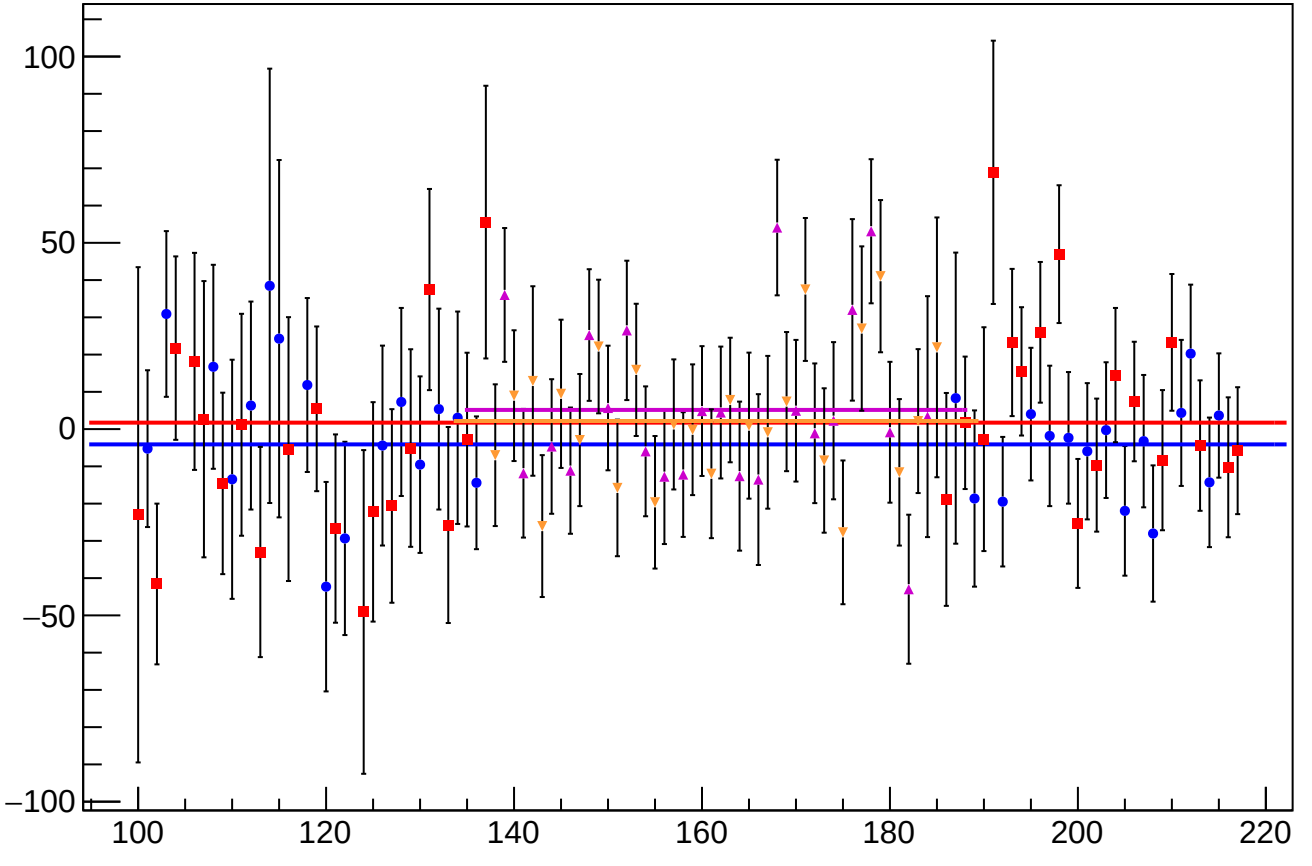
Right: 171.412+/-0.020 χ^2/NDF: 5412671.7/66

In: 175.684+/-0.021 χ^2/NDF:4004839.9/53

Out: 182.369+/-0.021 χ^2/NDF:5249276.0/60

All: 178.985+/-0.015 χ^2/NDF: 9303616.3/114

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: 1.733+/-3.749 χ^2/NDF: 35.8/35

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

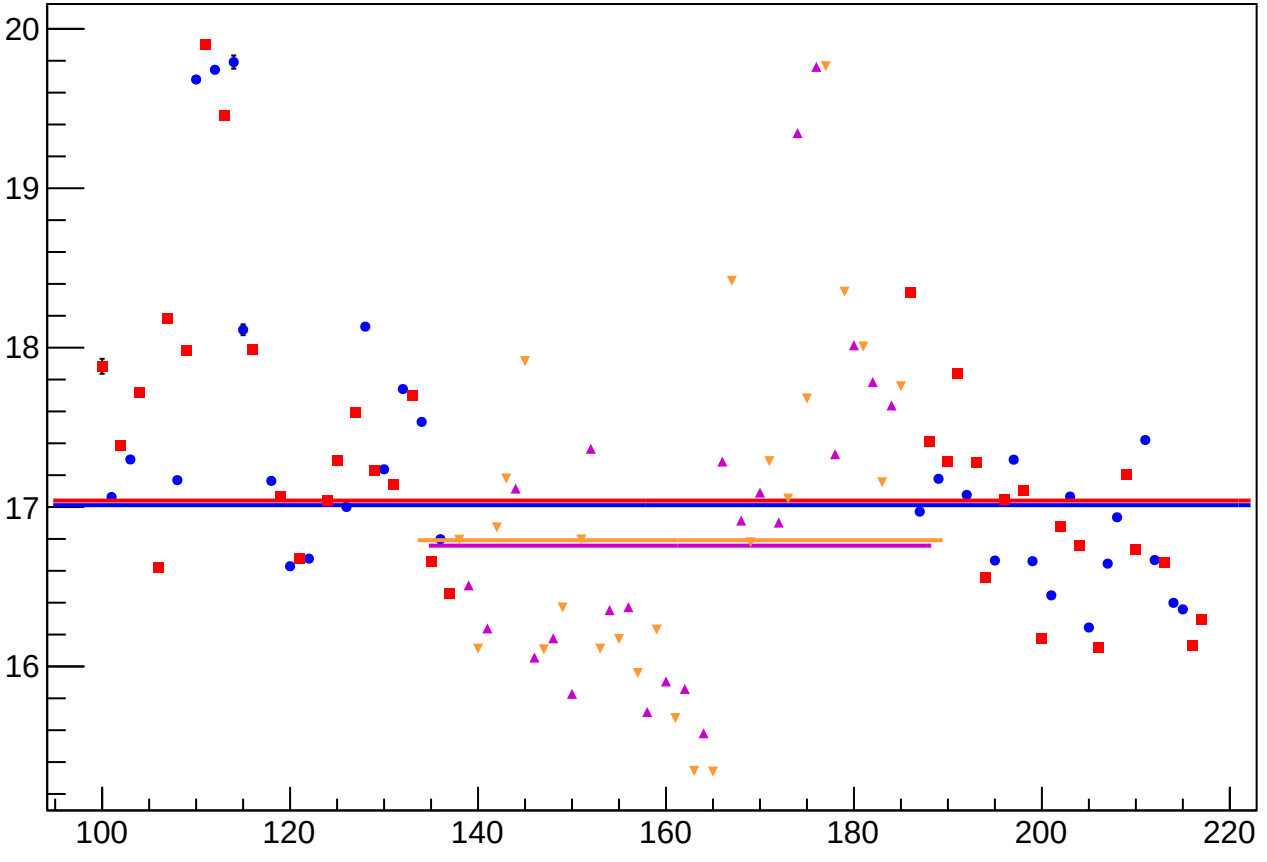
Right: -1.087+/-2.696 χ^2/NDF: 52.0/66

In: 0.469+/-2.758 χ^2/NDF:50.1/53

Out: 1.949+/-2.678 χ^2/NDF:55.8/60

All: 1.231+/-1.921 χ^2/NDF: 106.0/114

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: 17.040+/-0.003 χ^2/NDF: 76658.4/35

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

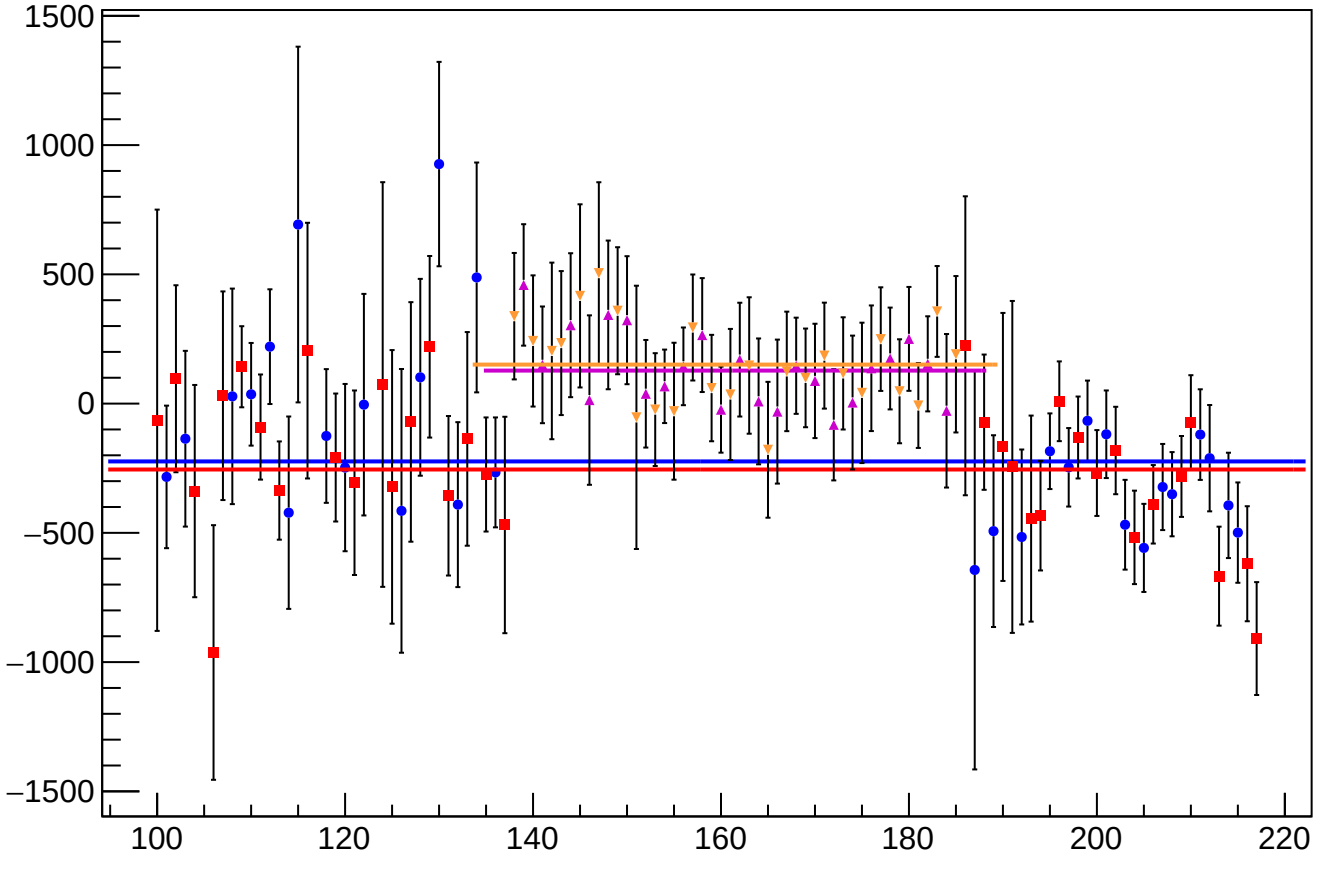
Right: 17.027+/-0.002 χ^2/NDF: 139023.0/66

In: 16.886+/-0.002 χ^2/NDF:189857.4/53

Out: 16.919+/-0.002 χ^2/NDF:217964.1/60

All: 16.903+/-0.001 χ^2/NDF: 407963.3/114

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: -254.916+/-39.981 χ^2/NDF: 40.5/35

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

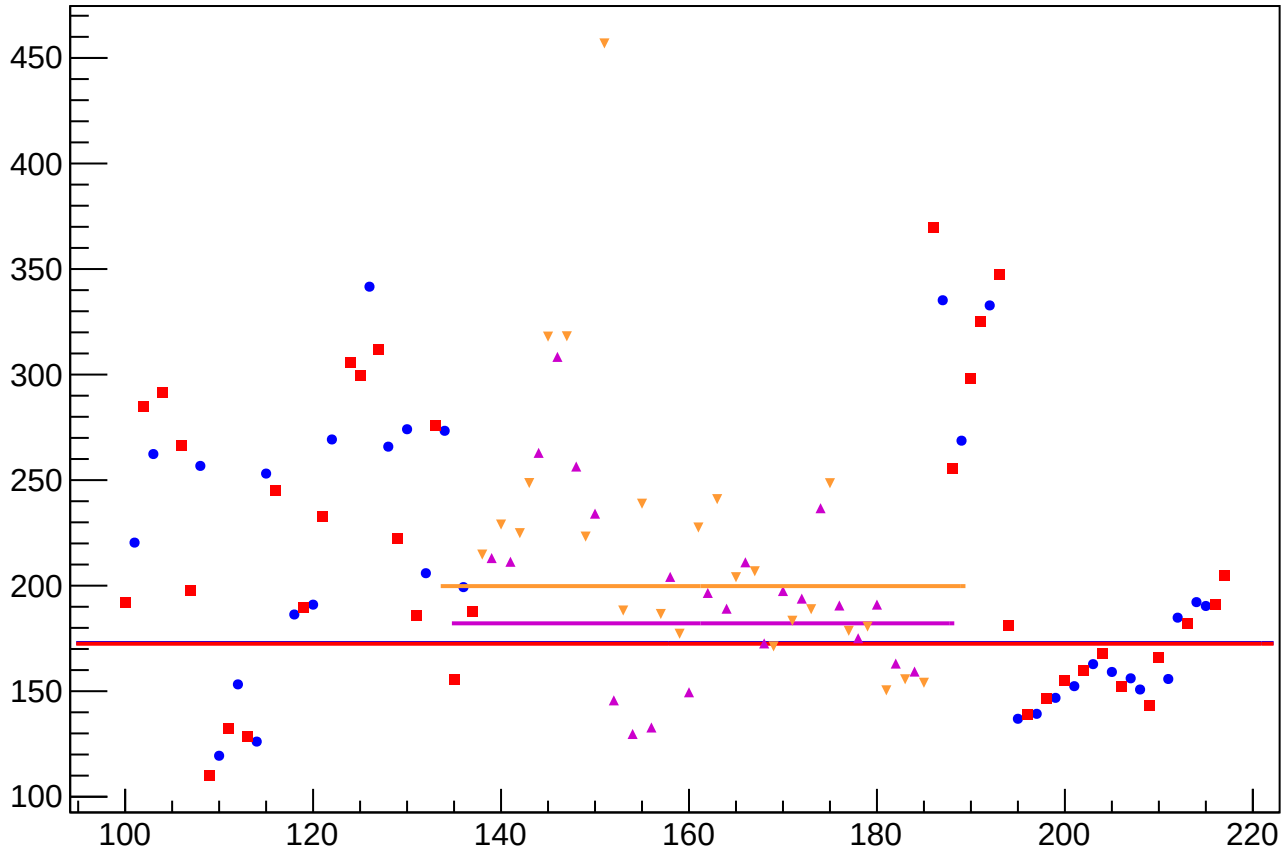
Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

Right: -239.638+/-28.586 χ^2/NDF: 74.6/66

In: -62.529+/-30.085 χ^2/NDF:75.5/53

Out: -84.698+/-30.463 χ^2/NDF:93.7/60

All: -73.475+/-21.406 χ^2/NDF: 169.5/114



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: 172.490+/-0.028 χ^2/NDF: 3002213.1/35

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

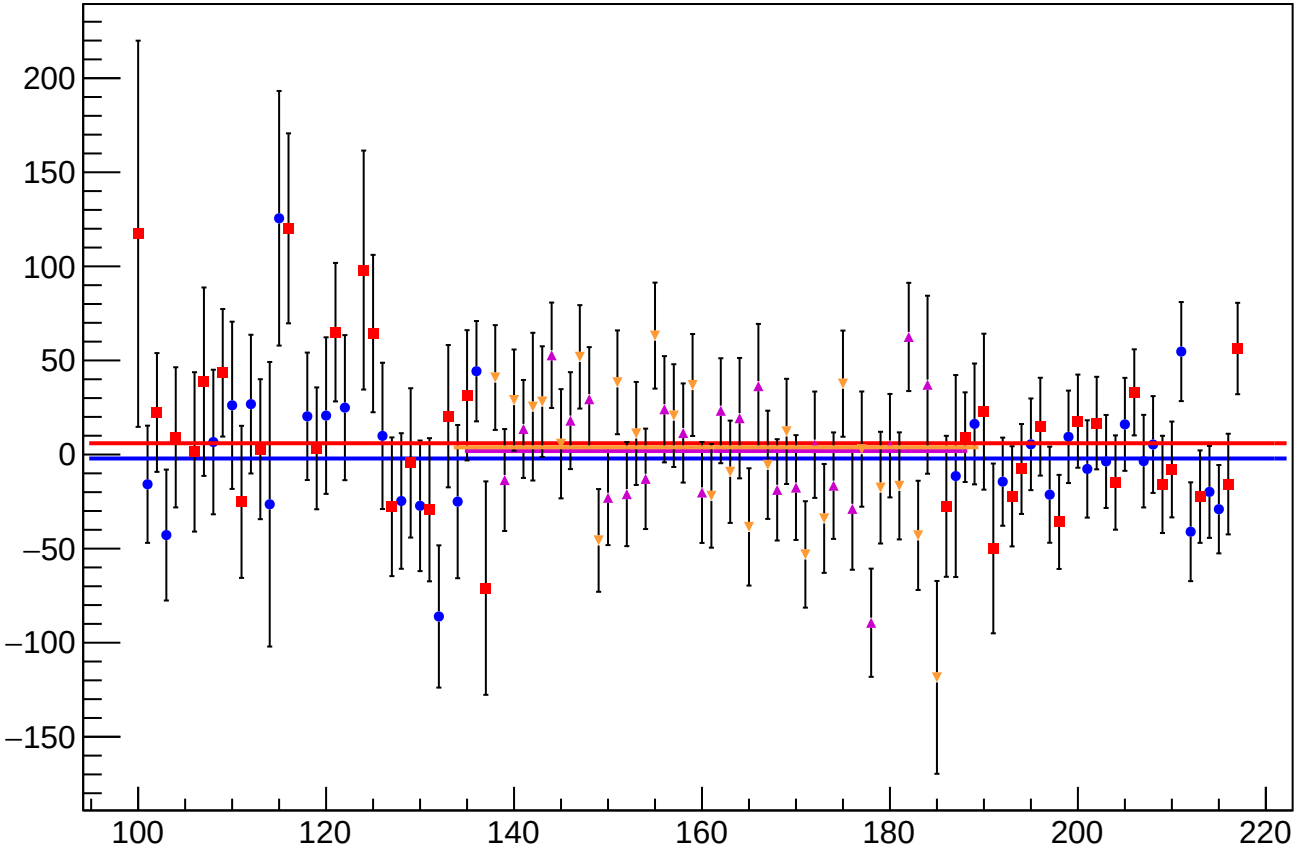
Right: 172.661+/-0.020 χ^2/NDF: 5316427.8/66

In: 177.110+/-0.021 χ^2/NDF:3946044.2/53

Out: 183.939+/-0.022 χ^2/NDF:5153553.9/60

All: 180.482+/-0.015 χ^2/NDF: 9150479.1/114

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: 5.997+/-5.259 χ^2/NDF: 36.4/35

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

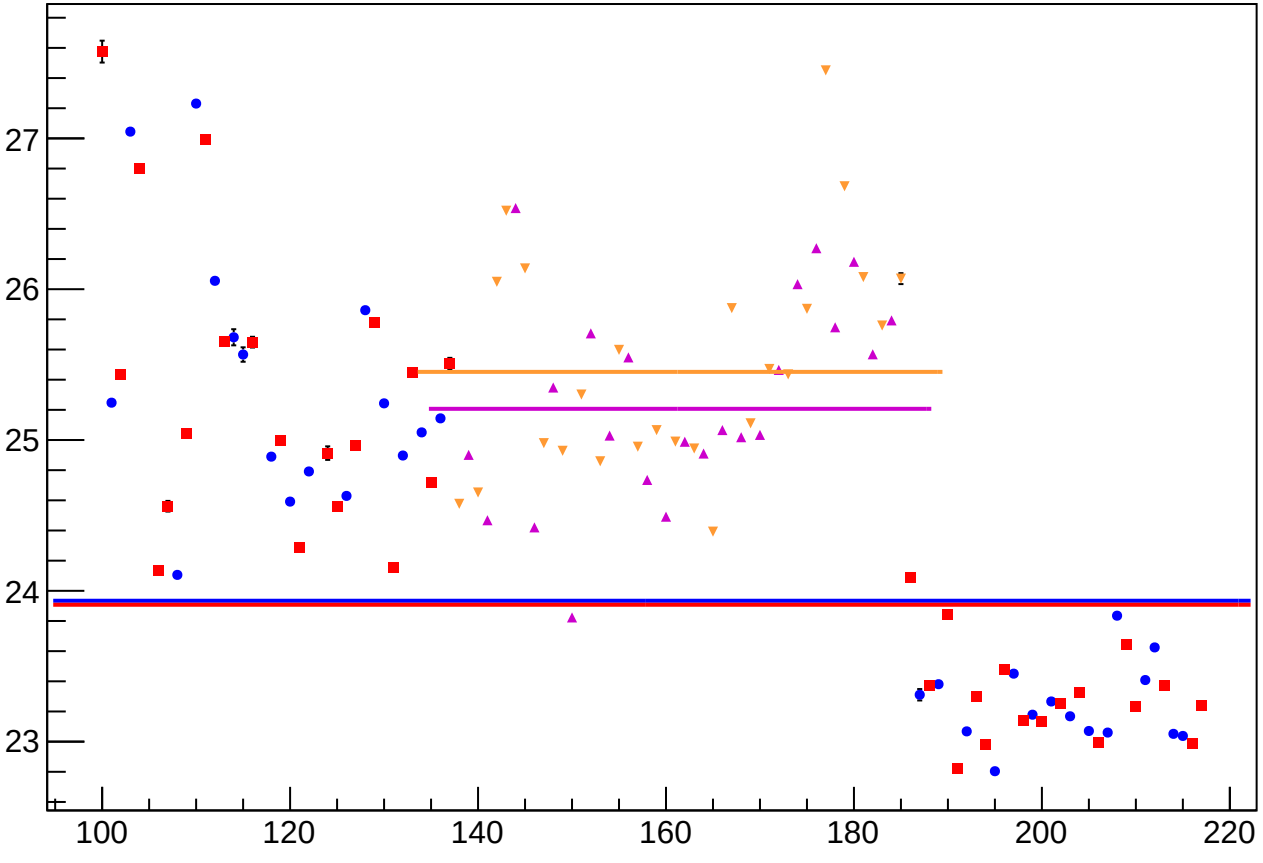
Right: 2.093+/-3.786 χ^2/NDF: 65.3/66

In: -0.282+/-4.003 χ^2/NDF:56.0/53

Out: 5.018+/-3.892 χ^2/NDF:74.1/60

All: 2.442+/-2.791 χ^2/NDF: 131.1/114

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: 23.908+/-0.004 χ^2/NDF: 78781.8/35

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

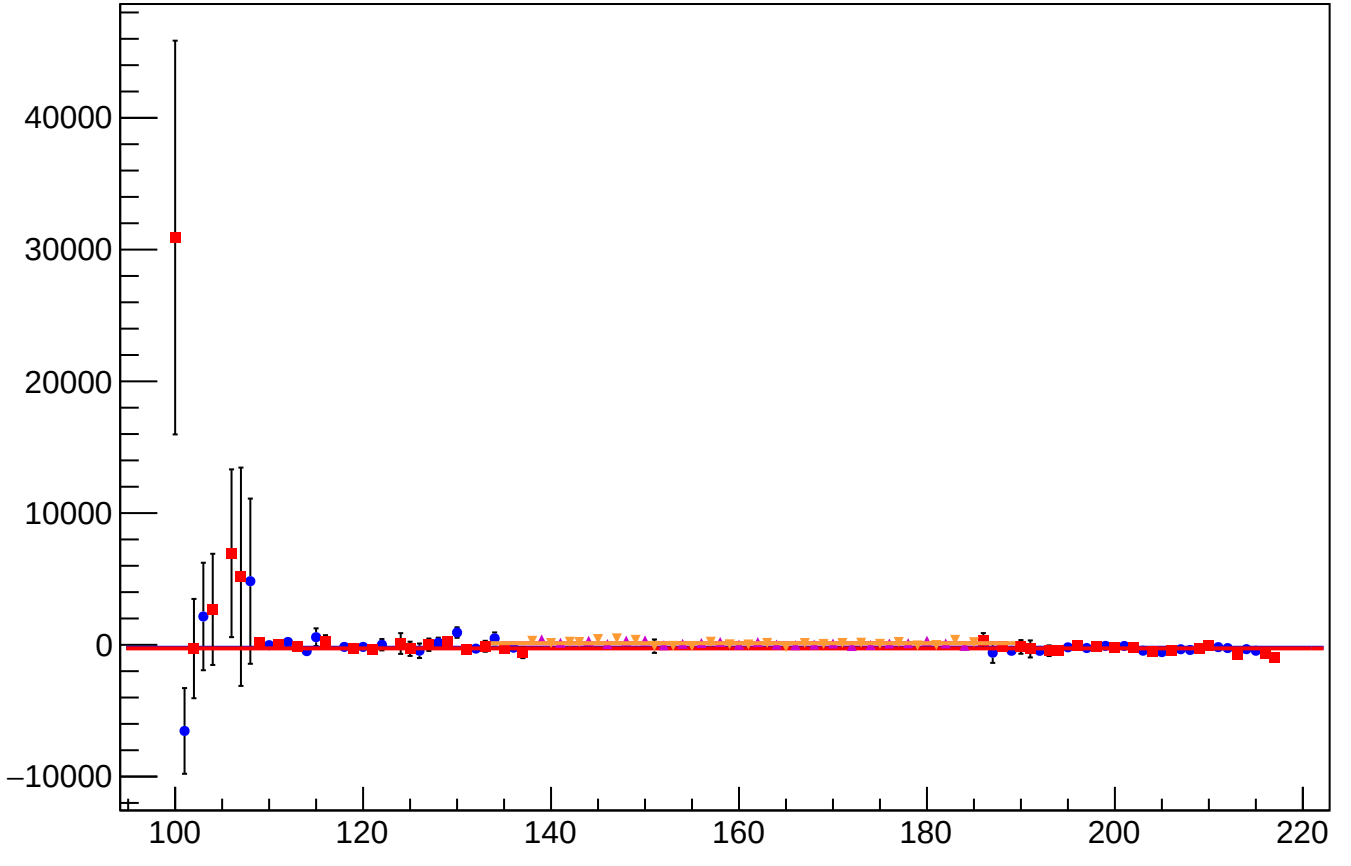
Right: 23.920+/-0.003 χ^2/NDF: 162826.4/66

In: 24.522+/-0.003 χ^2/NDF:160071.5/53

Out: 24.606+/-0.003 χ^2/NDF:186360.5/60

All: 24.565+/-0.002 χ^2/NDF: 346887.9/114

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: -269.373+/-42.040 χ^2/NDF: 45.6/35

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

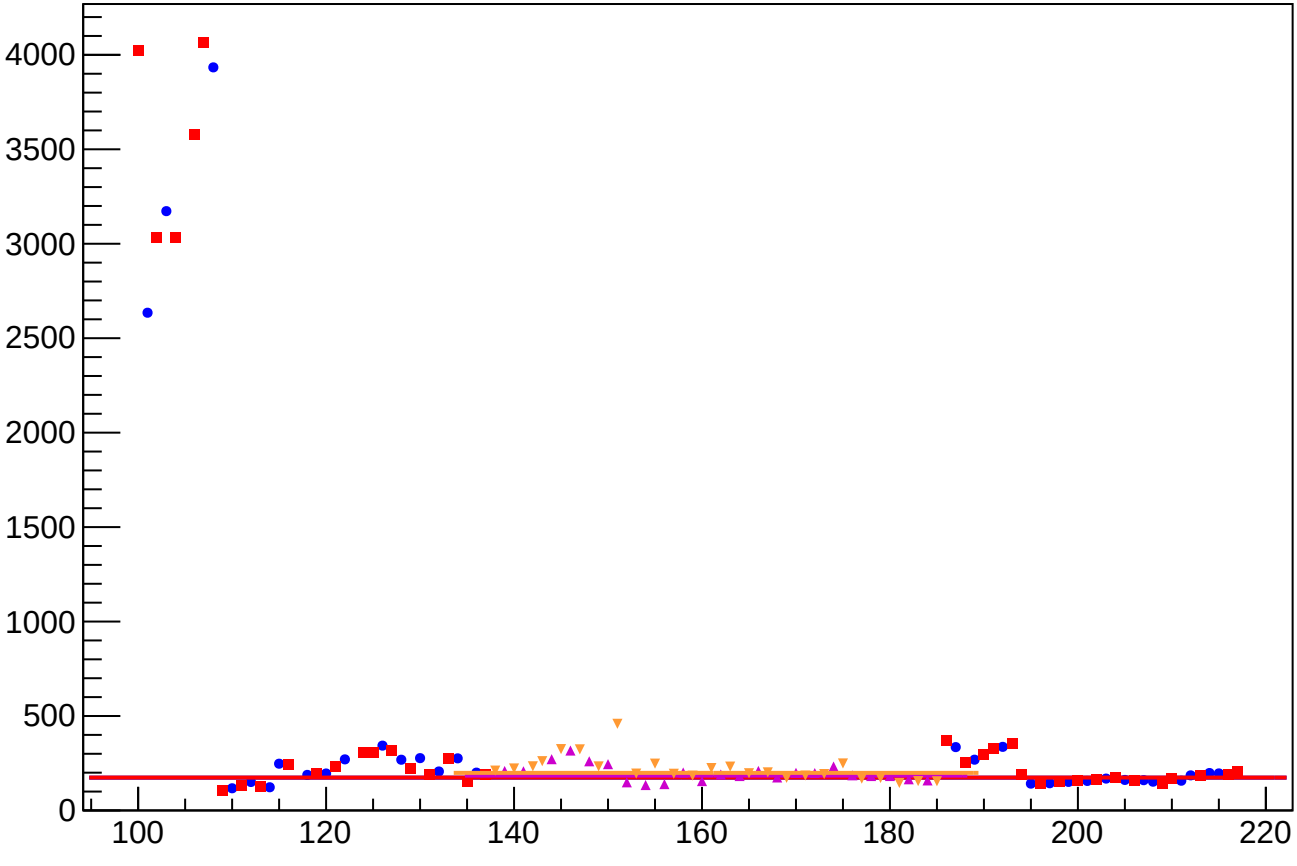
Right: -245.891+/-29.918 χ^2/NDF: 81.3/66

In: -61.103+/-30.890 χ^2/NDF:73.1/53

Out: -93.704+/-31.312 χ^2/NDF:95.9/60

All: -77.182+/-21.990 χ^2/NDF: 169.5/114

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.511+/-0.030 χ^2/NDF: 4936754.3/30

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 174.088+/-0.030 χ^2/NDF: 5647435.6/35

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

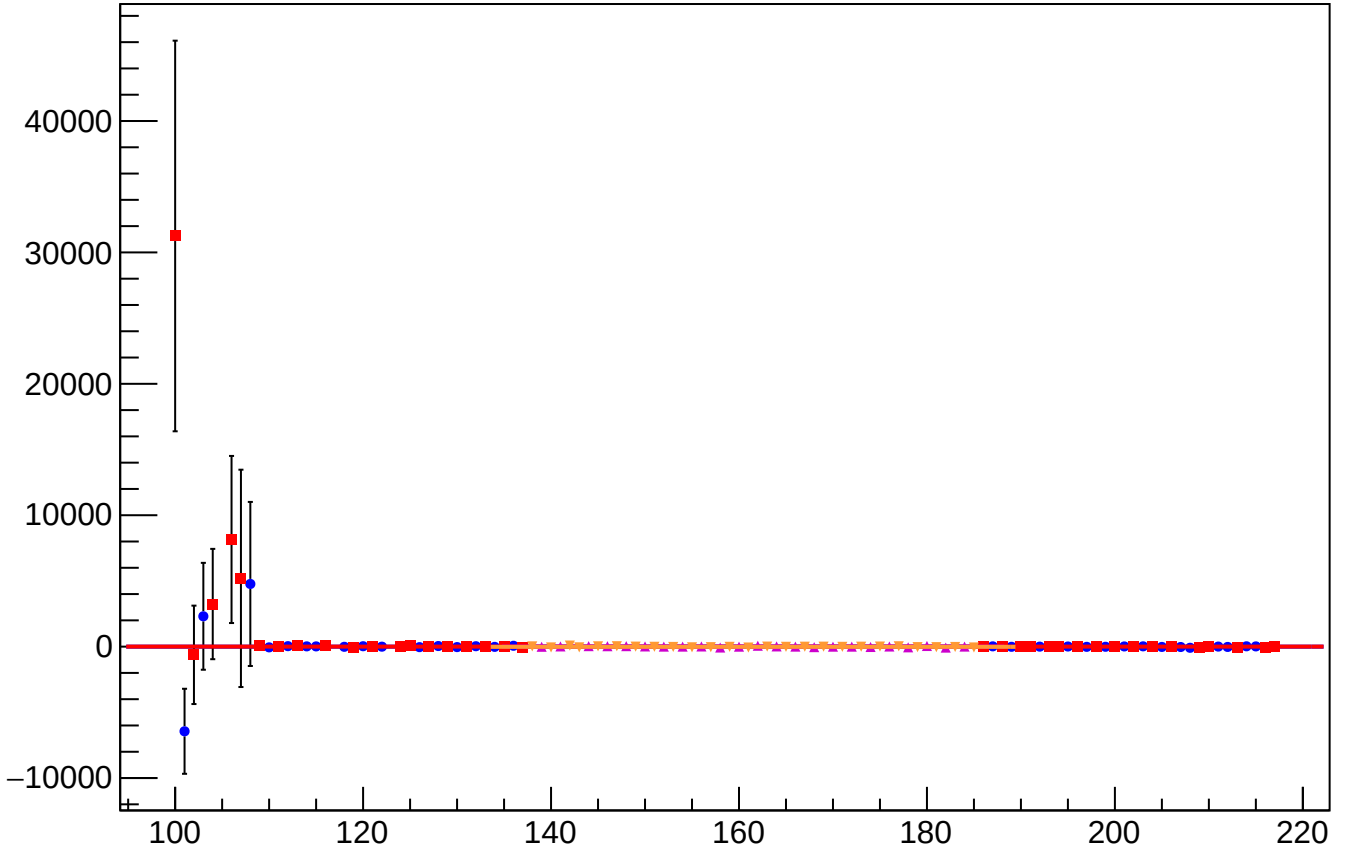
Right: 173.803+/-0.021 χ^2/NDF: 10584376.0/66

In: 178.671+/-0.022 χ^2/NDF:6445008.6/53

Out: 185.178+/-0.022 χ^2/NDF:7862124.6/60

All: 181.880+/-0.016 χ^2/NDF: 14350904.6/11

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: 2.291+/-6.339 χ^2/NDF: 43.3/35

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

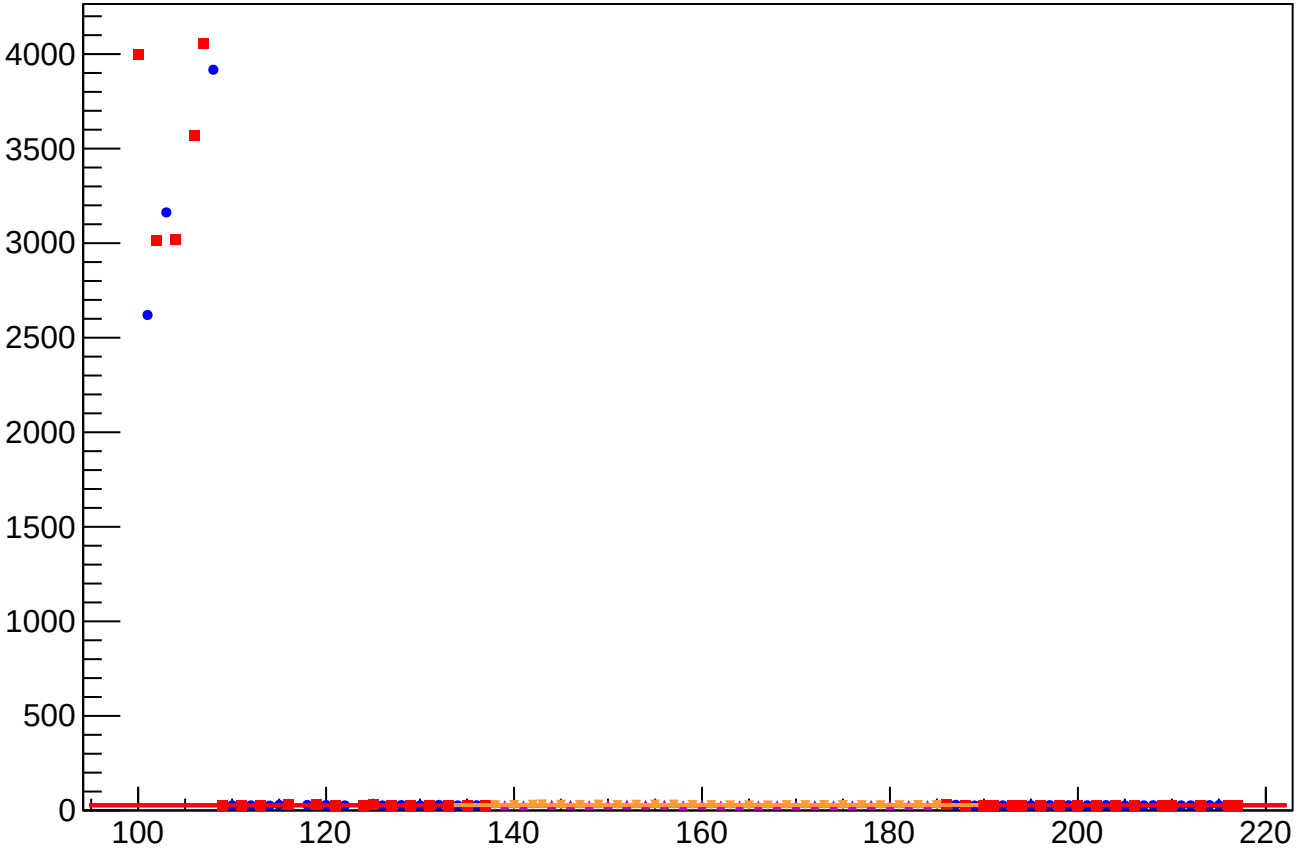
Right: 0.224+/-4.550 χ^2/NDF: 73.6/66

In: 0.047+/-4.679 χ^2/NDF:58.6/53

Out: -6.039+/-4.542 χ^2/NDF:69.1/60

All: -3.086+/-3.259 χ^2/NDF: 128.6/114

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: 27.323+/-0.004 χ^2/NDF: 3597236.5/35

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

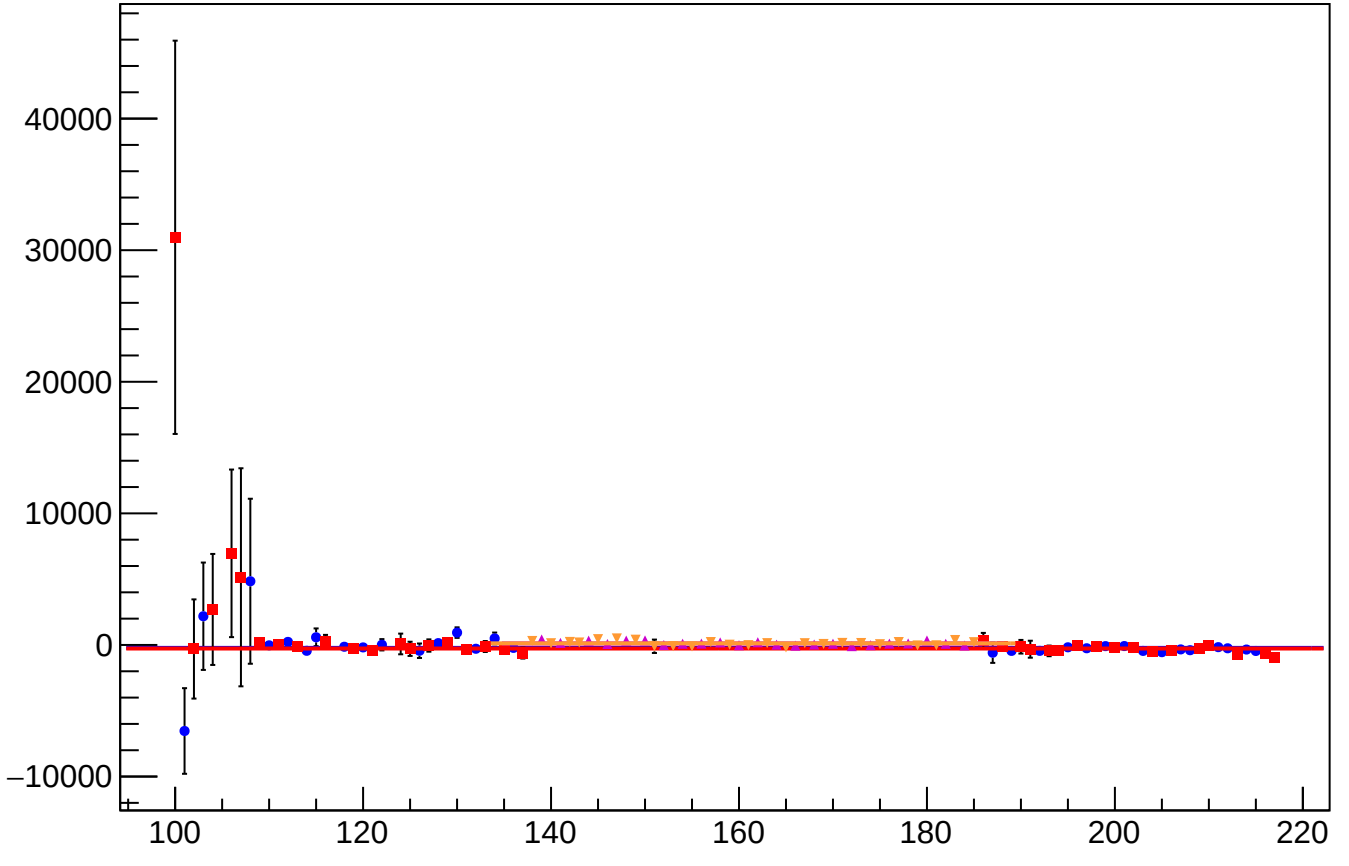
Right: 27.375+/-0.003 χ^2/NDF: 6881468.2/66

In: 28.003+/-0.003 χ^2/NDF:3438382.5/53

Out: 27.937+/-0.003 χ^2/NDF:3723986.4/60

All: 27.969+/-0.002 χ^2/NDF: 7162573.7/114

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: -270.297+/-41.922 χ^2/NDF: 46.6/35

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

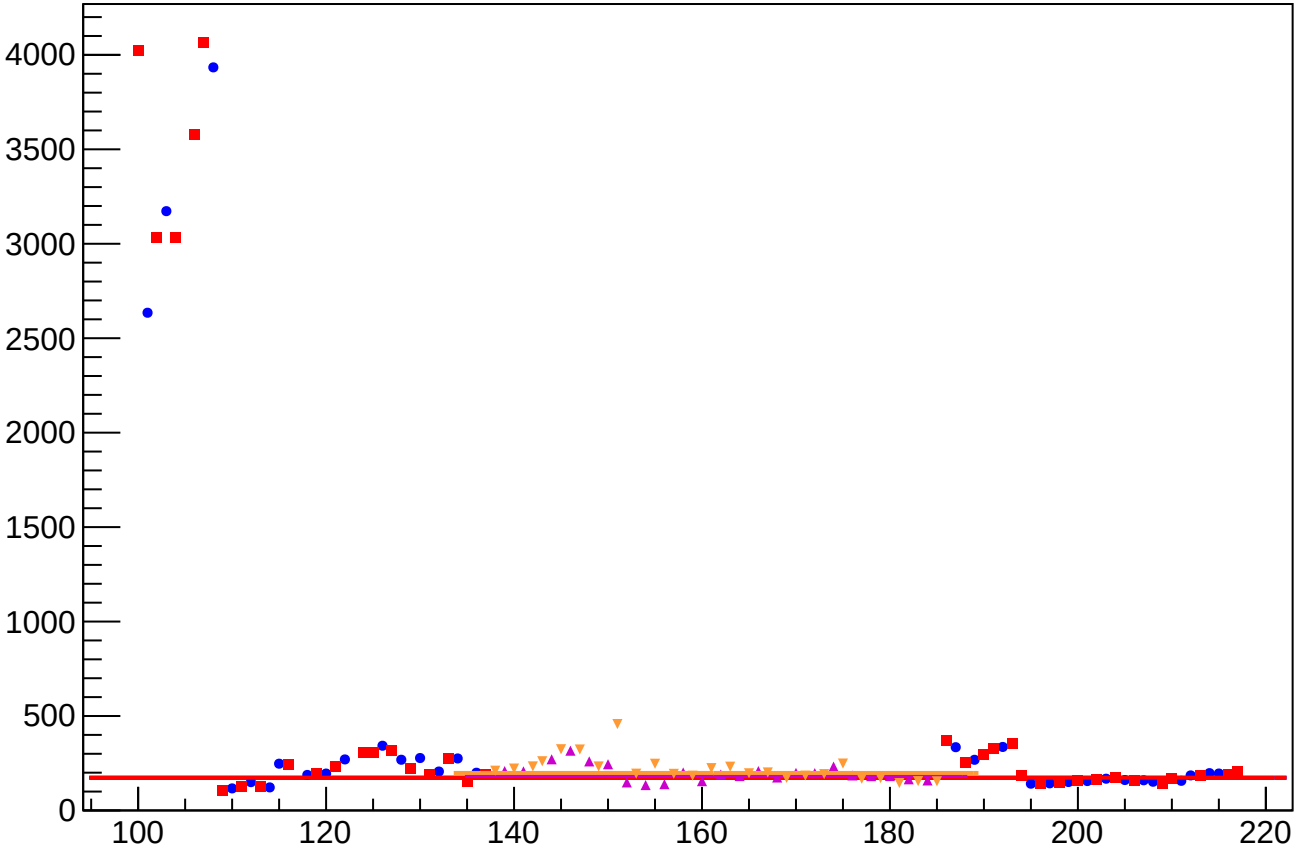
Right: -247.075+/-29.833 χ^2/NDF: 82.9/66

In: -62.535+/-30.814 χ^2/NDF:74.3/53

Out: -95.792+/-31.233 χ^2/NDF:97.5/60

All: -78.939+/-21.936 χ^2/NDF: 172.4/114

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: 173.552+/-0.030 χ^2/NDF: 5666477.8/35

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

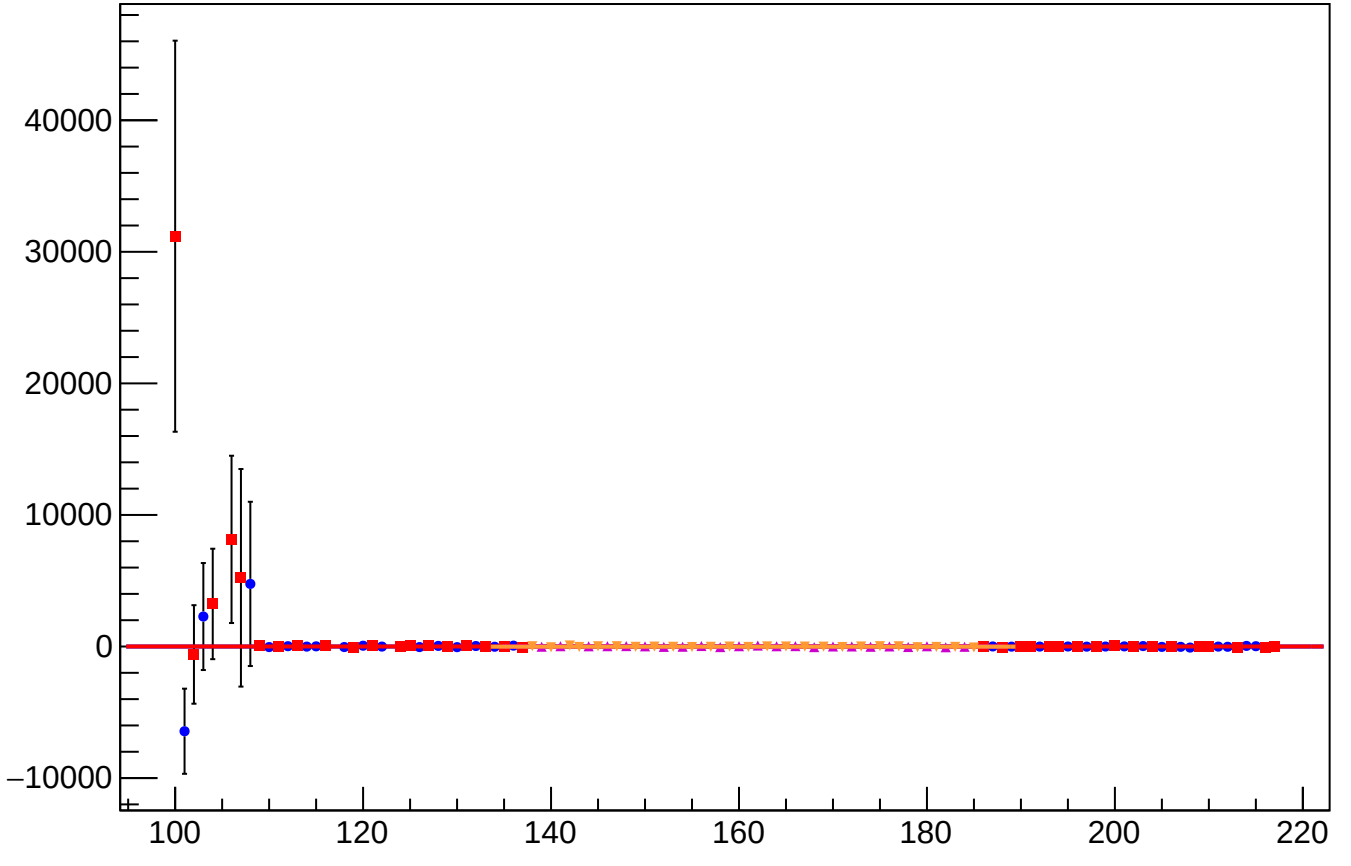
Right: 173.266+/-0.021 χ^2/NDF: 10617174.8/66

In: 178.217+/-0.022 χ^2/NDF:6460377.4/53

Out: 184.684+/-0.022 χ^2/NDF:7884896.8/60

All: 181.407+/-0.016 χ^2/NDF: 14388718.1/11

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.695+/-6.497 χ^2/NDF: 32.9/30

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 3.467+/-6.306 χ^2/NDF: 41.4/35

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

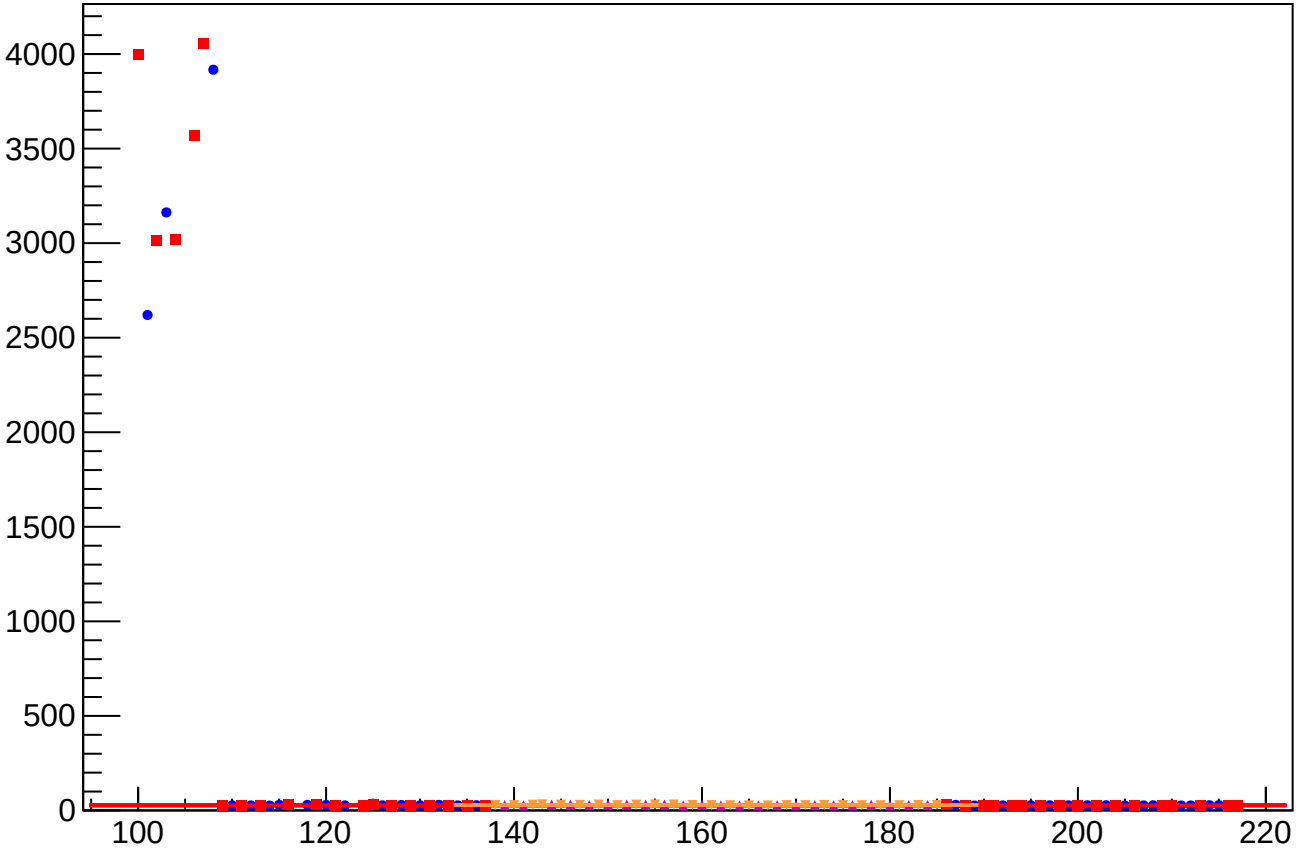
Right: 0.963+/-4.525 χ^2/NDF: 74.6/66

In: 0.365+/-4.675 χ^2/NDF:55.3/53

Out: -3.918+/-4.540 χ^2/NDF:62.1/60

All: -1.840+/-3.257 χ^2/NDF: 117.8/114

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: 27.178+/-0.004 χ^2/NDF: 3603305.8/35

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

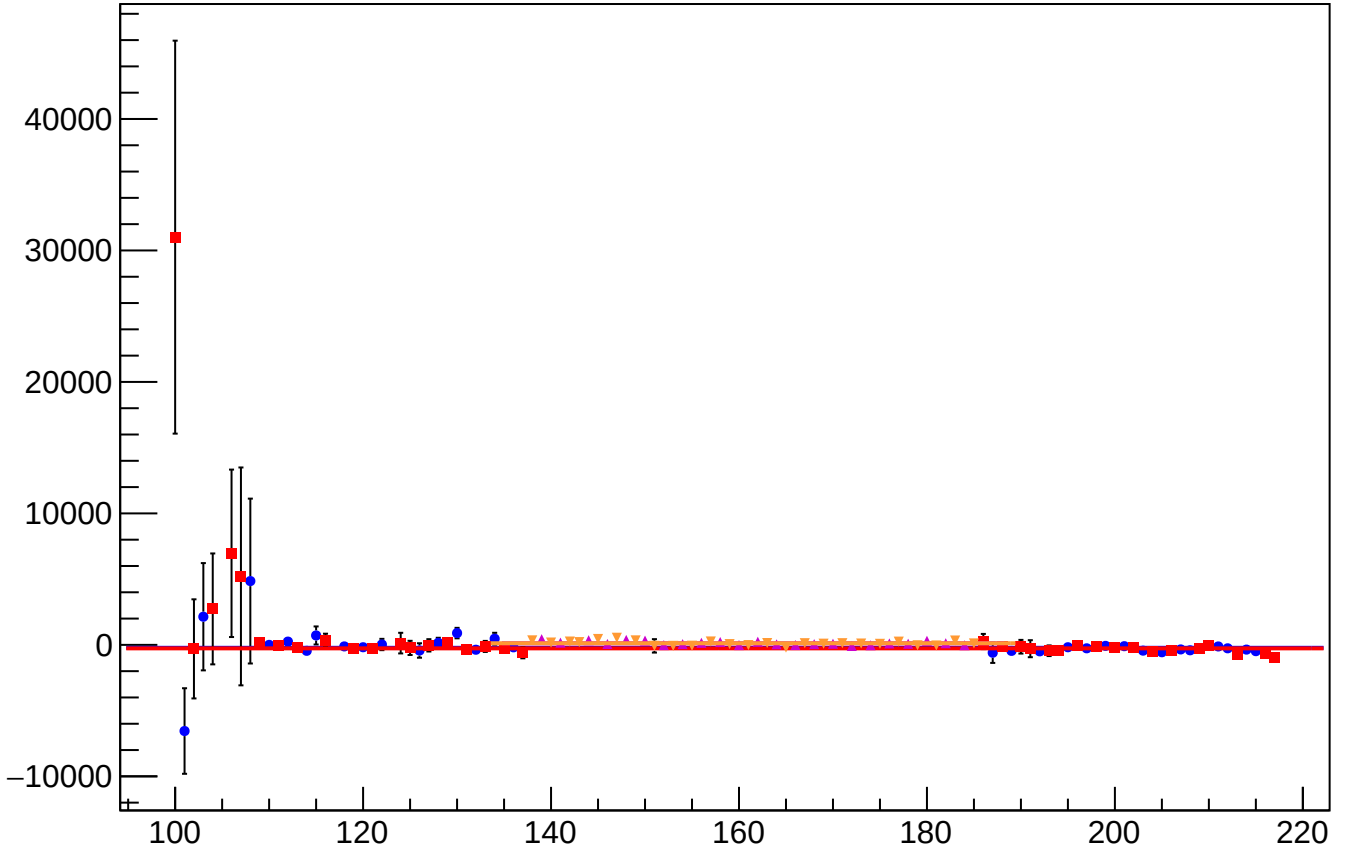
Right: 27.225+/-0.003 χ^2/NDF: 6893435.9/66

In: 27.976+/-0.003 χ^2/NDF:3465452.1/53

Out: 27.915+/-0.003 χ^2/NDF:3758865.2/60

All: 27.944+/-0.002 χ^2/NDF: 7224493.8/114

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: -265.603+/-42.236 χ^2/NDF: 44.2/35

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

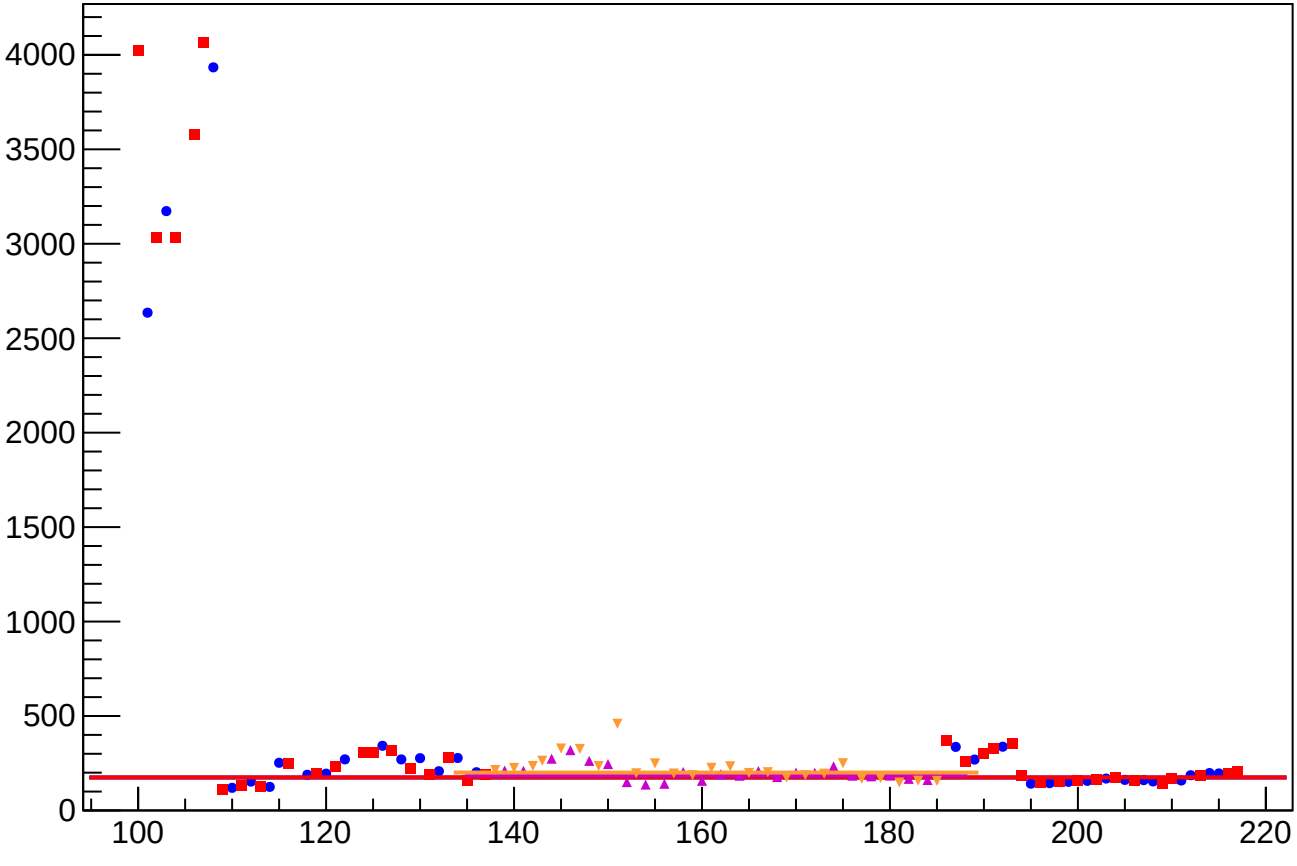
Right: -245.120+/-30.051 χ^2/NDF: 81.8/66

In: -60.408+/-31.087 χ^2/NDF:76.6/53

Out: -93.267+/-31.504 χ^2/NDF:93.1/60

All: -76.618+/-22.128 χ^2/NDF: 170.3/114

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.306+/-0.030 χ^2/NDF: 4913121.3/30

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 175.032+/-0.030 χ^2/NDF: 5602432.3/35

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

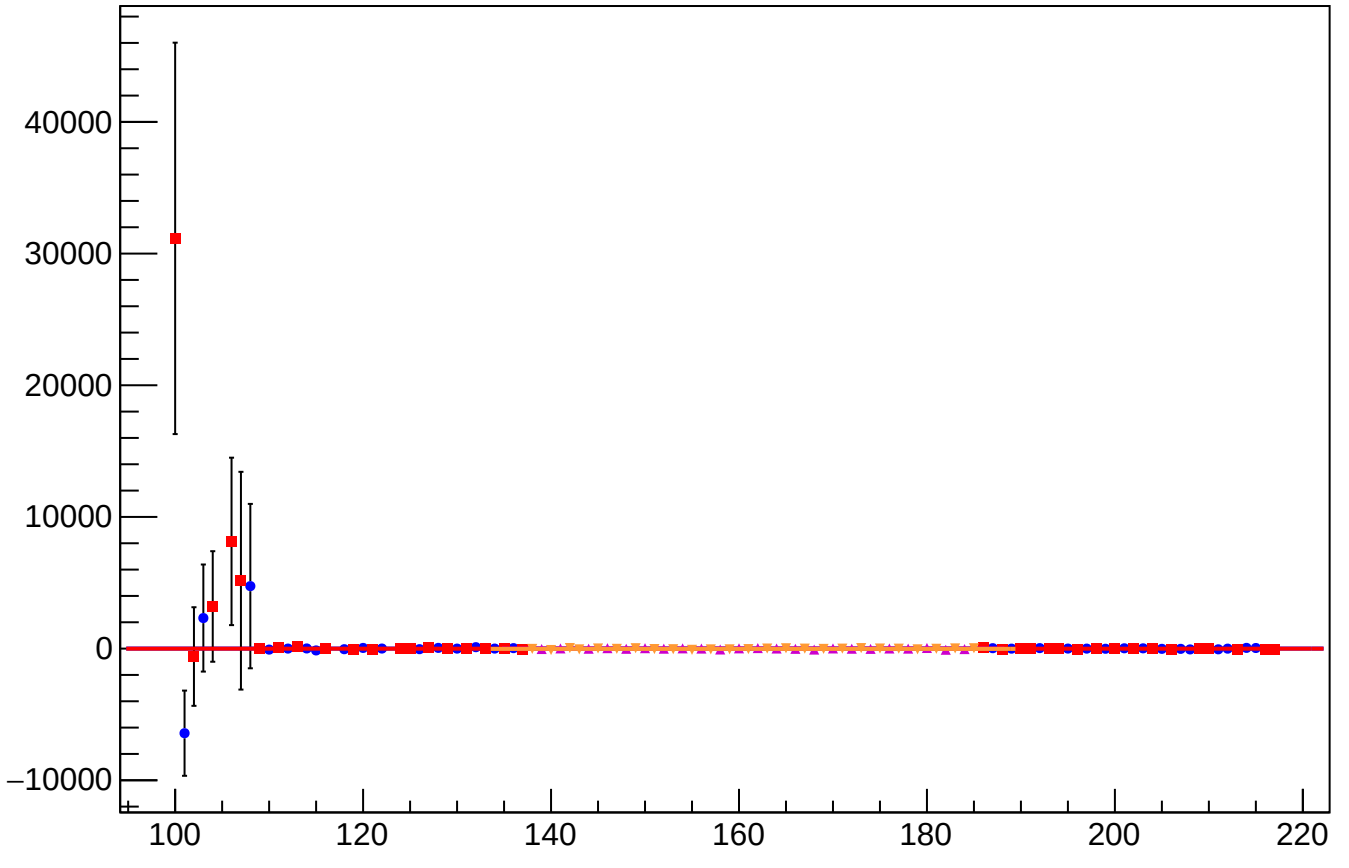
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 174.673+/-0.021 χ^2/NDF: 10515845.7/66

In: 179.900+/-0.022 χ^2/NDF:6399092.0/53

Out: 186.413+/-0.022 χ^2/NDF:7809837.9/60

All: 183.113+/-0.016 χ^2/NDF: 14252236.0/11



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: -5.533+/-7.700 χ^2/NDF: 39.1/35

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

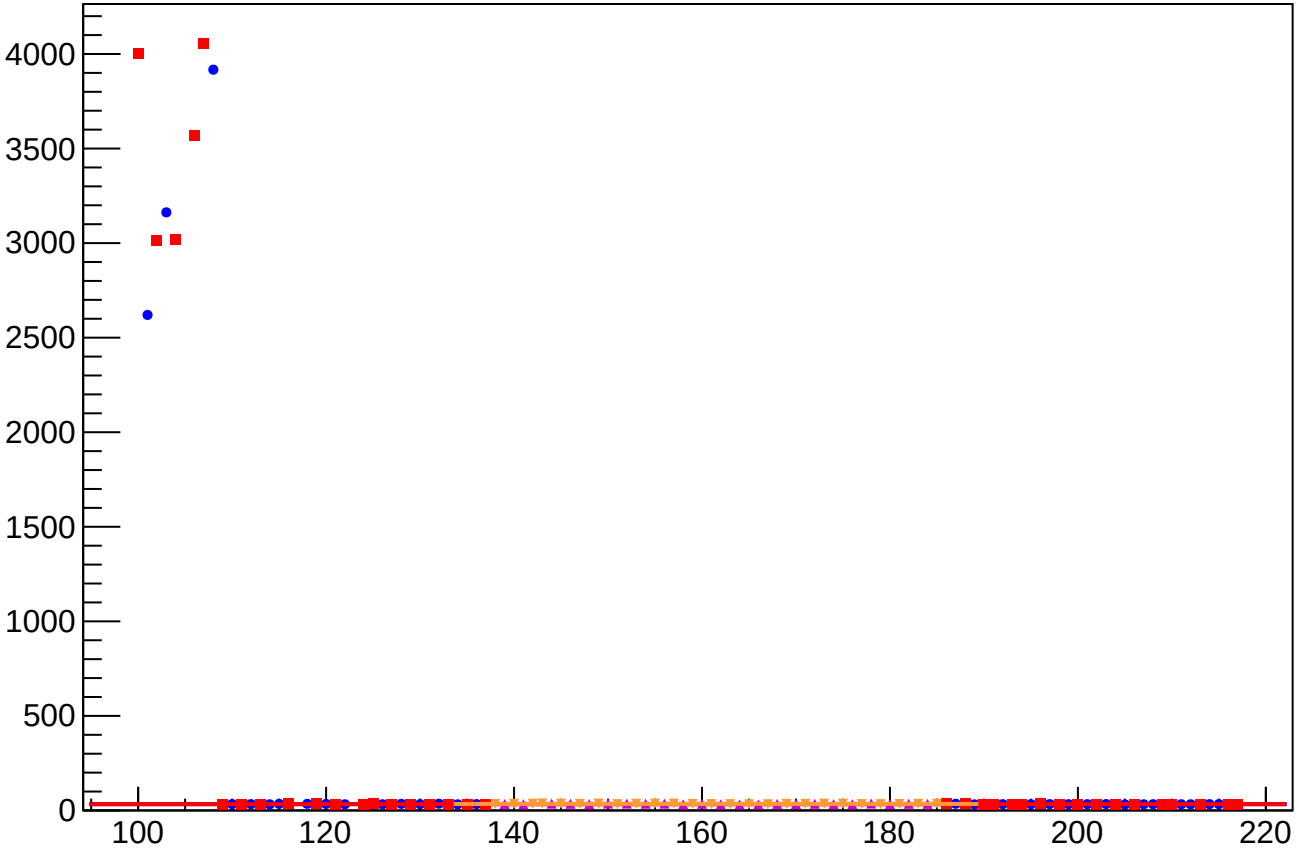
Right: -1.463+/-5.522 χ^2/NDF: 69.4/66

In: -0.522+/-5.659 χ^2/NDF:48.9/53

Out: -13.244+/-5.492 χ^2/NDF:64.1/60

All: -7.073+/-3.941 χ^2/NDF: 115.7/114

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: 33.232+/-0.005 χ^2/NDF: 3554509.8/35

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

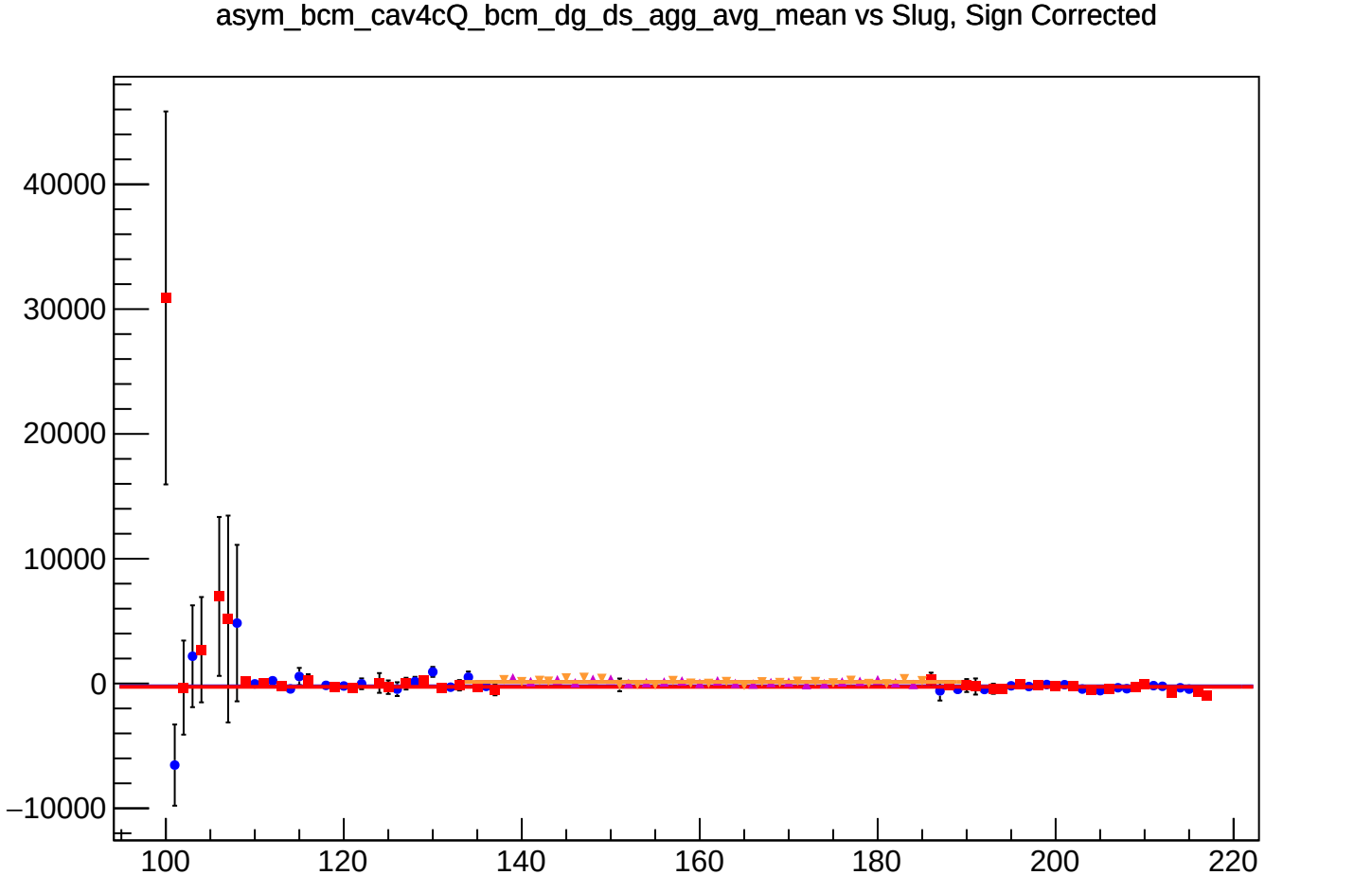
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.263+/-0.004 χ^2/NDF: 6811658.2/66

In: 33.911+/-0.004 χ^2/NDF:3341019.4/53

Out: 33.825+/-0.004 χ^2/NDF:3623338.0/60

All: 33.867+/-0.003 χ^2/NDF: 6964597.7/114



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: -267.515+/-42.087 χ^2/NDF: 45.0/35

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

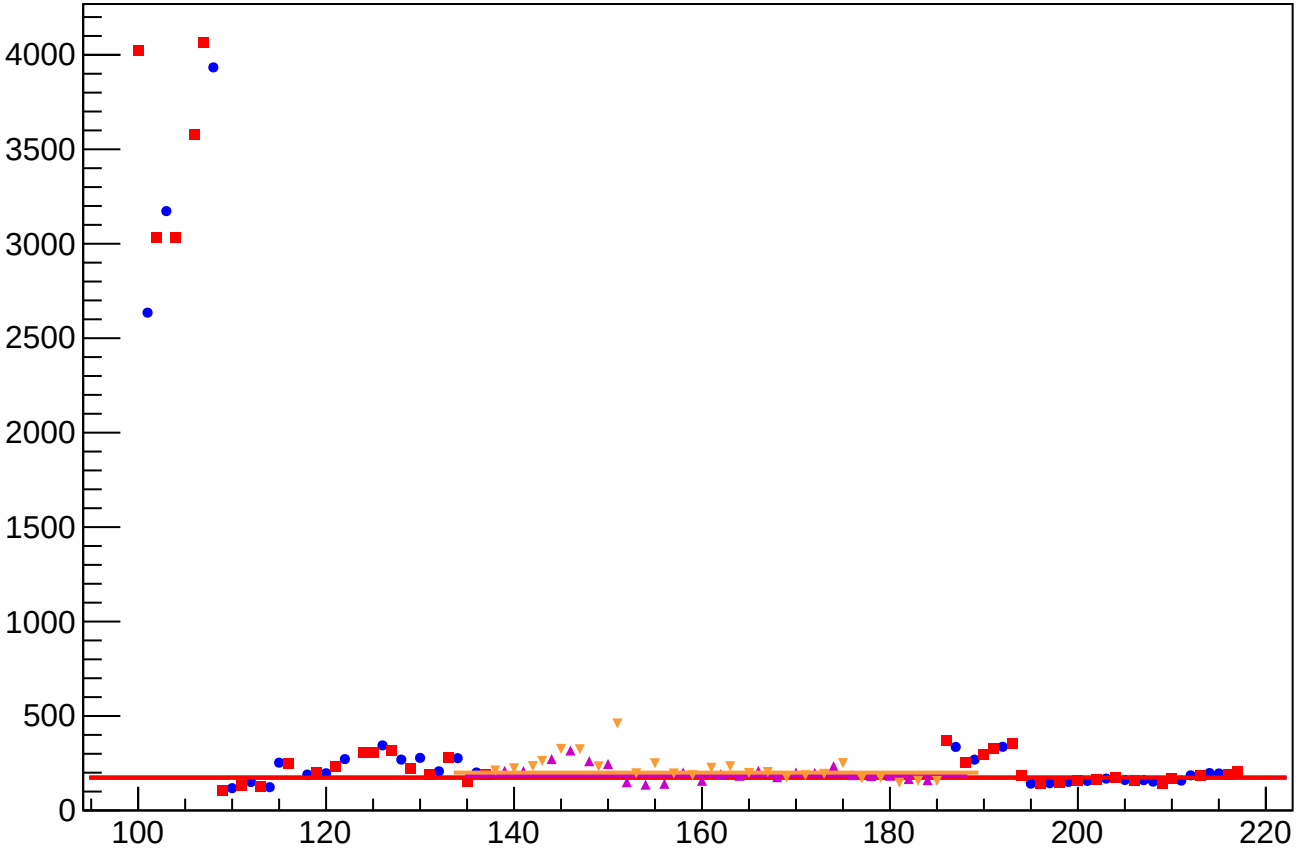
Right: -247.705+/-29.954 χ^2/NDF: 81.1/66

In: -62.469+/-31.016 χ^2/NDF:75.5/53

Out: -92.585+/-31.421 χ^2/NDF:95.6/60

All: -77.332+/-22.074 χ^2/NDF: 171.6/114

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: 174.278+/-0.030 χ^2/NDF: 5653286.4/35

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

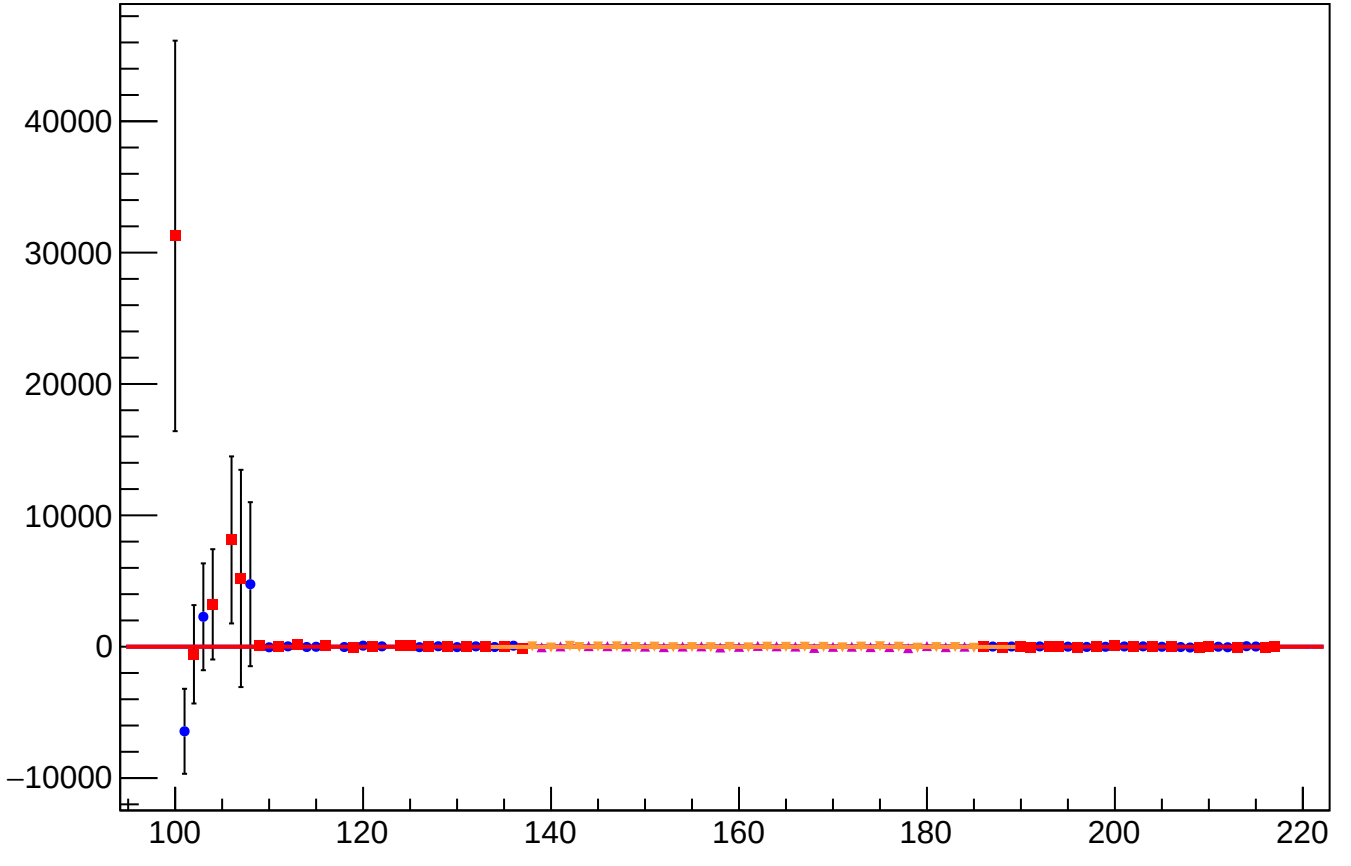
Right: 173.999+/-0.021 χ^2/NDF: 10598035.6/66

In: 179.438+/-0.022 χ^2/NDF:6426669.2/53

Out: 185.828+/-0.022 χ^2/NDF:7870114.6/60

All: 182.592+/-0.016 χ^2/NDF: 14338673.5/11

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: -2.205+/-6.961 χ^2/NDF: 46.5/35

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

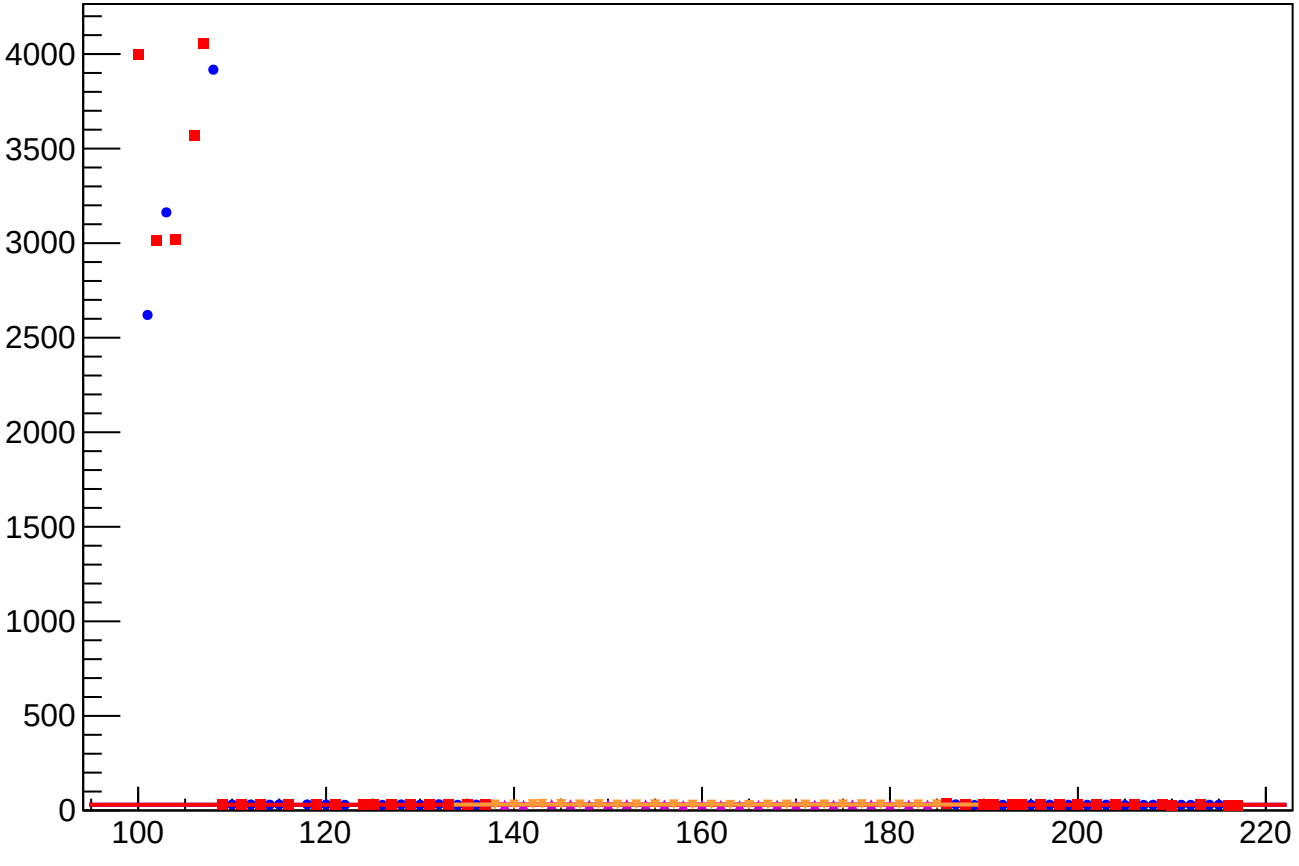
Right: 0.533+/-4.994 χ^2/NDF: 72.6/66

In: 0.440+/-5.132 χ^2/NDF:61.7/53

Out: -10.191+/-4.982 χ^2/NDF:69.6/60

All: -5.032+/-3.575 χ^2/NDF: 133.5/114

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: 30.017+/-0.005 χ^2/NDF: 3577760.3/35

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

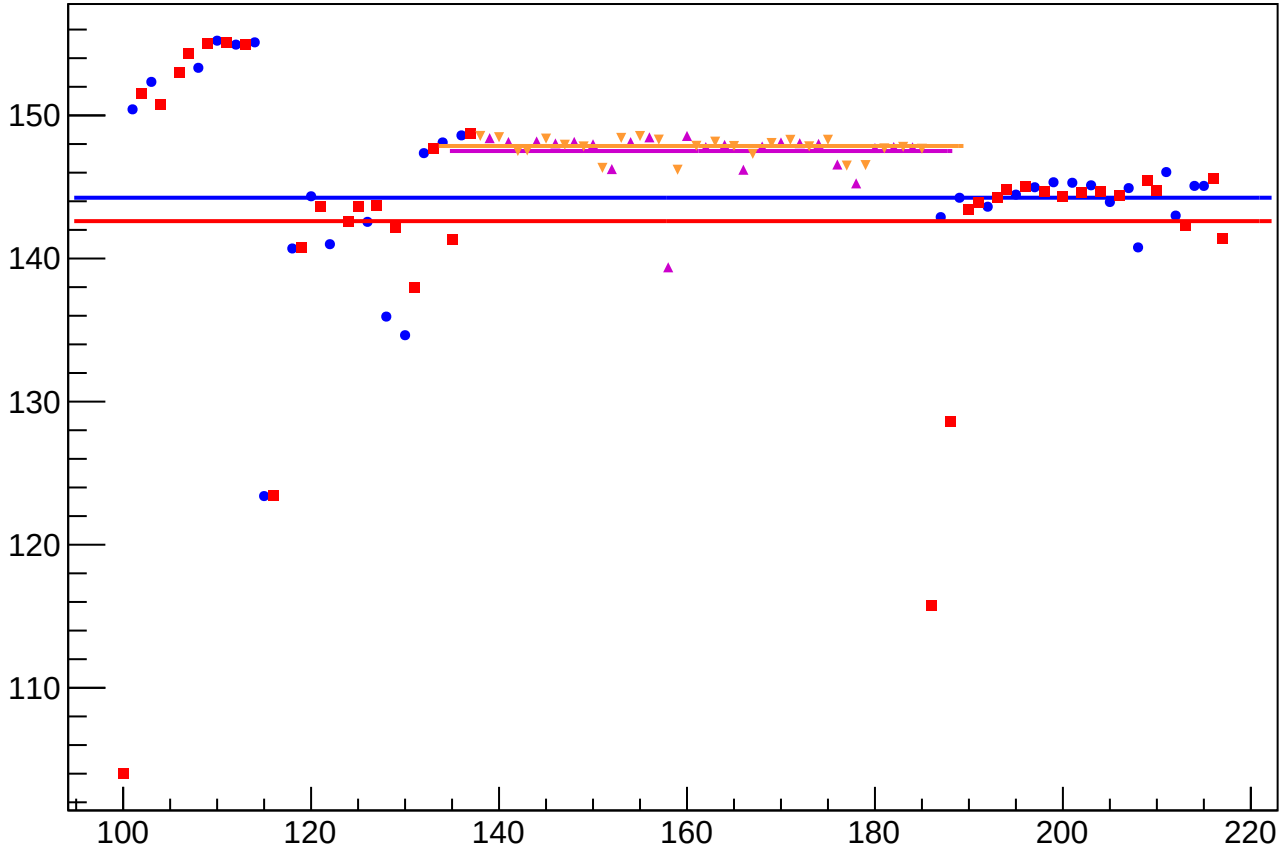
Right: 30.062+/-0.004 χ^2/NDF: 6853459.5/66

In: 30.729+/-0.004 χ^2/NDF:3391387.8/53

Out: 30.662+/-0.004 χ^2/NDF:3675989.2/60

All: 30.694+/-0.003 χ^2/NDF: 7067549.4/114

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: 142.613+/-0.000 χ^2/NDF: 7600007128.3/35

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

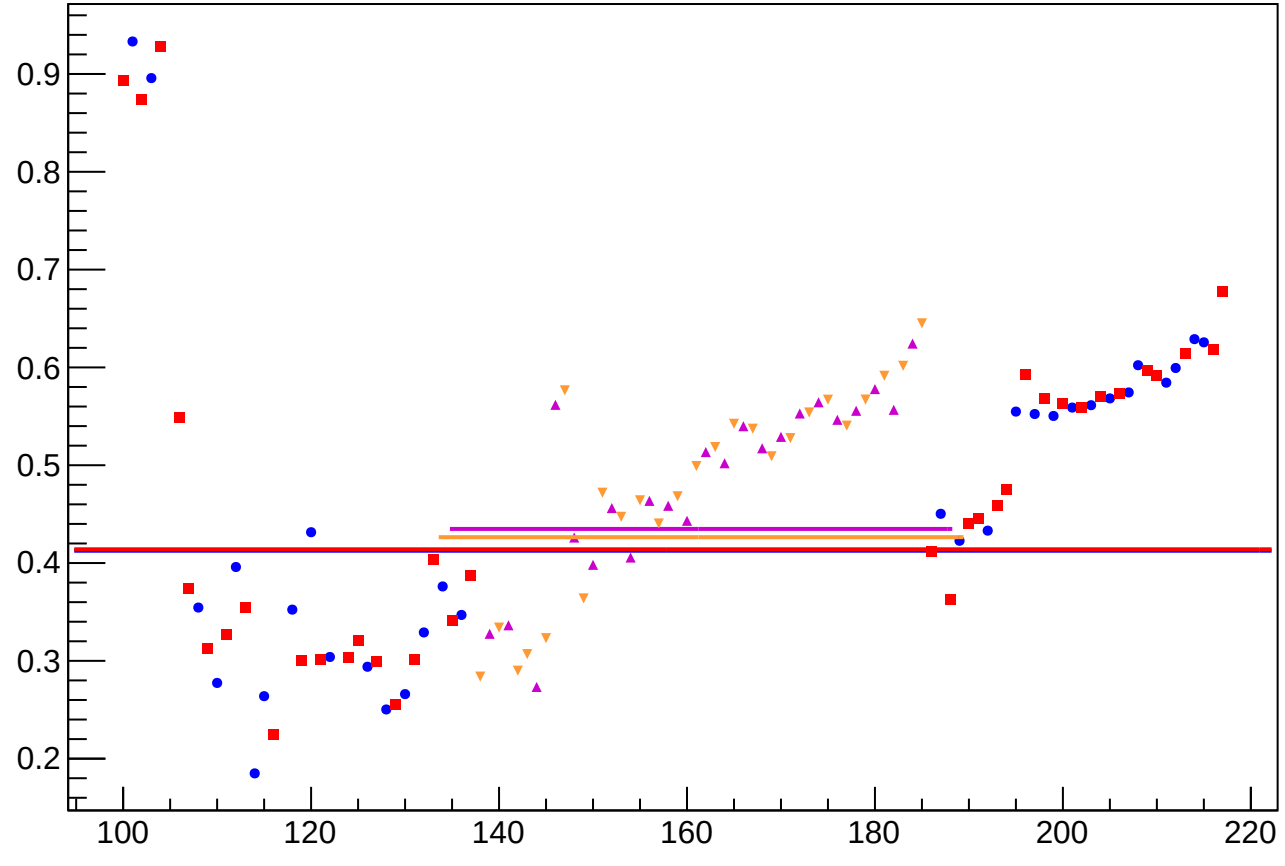
Right: 143.400+/-0.000 χ^2/NDF: 11513783231.3/66

In: 145.824+/-0.000 χ^2/NDF:4578501555.6/53

Out: 145.161+/-0.000 χ^2/NDF:9022248499.6/60

All: 145.479+/-0.000 χ^2/NDF: 13642998074.

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: 0.414+/-0.000 χ^2/NDF: 3916587.9/35

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

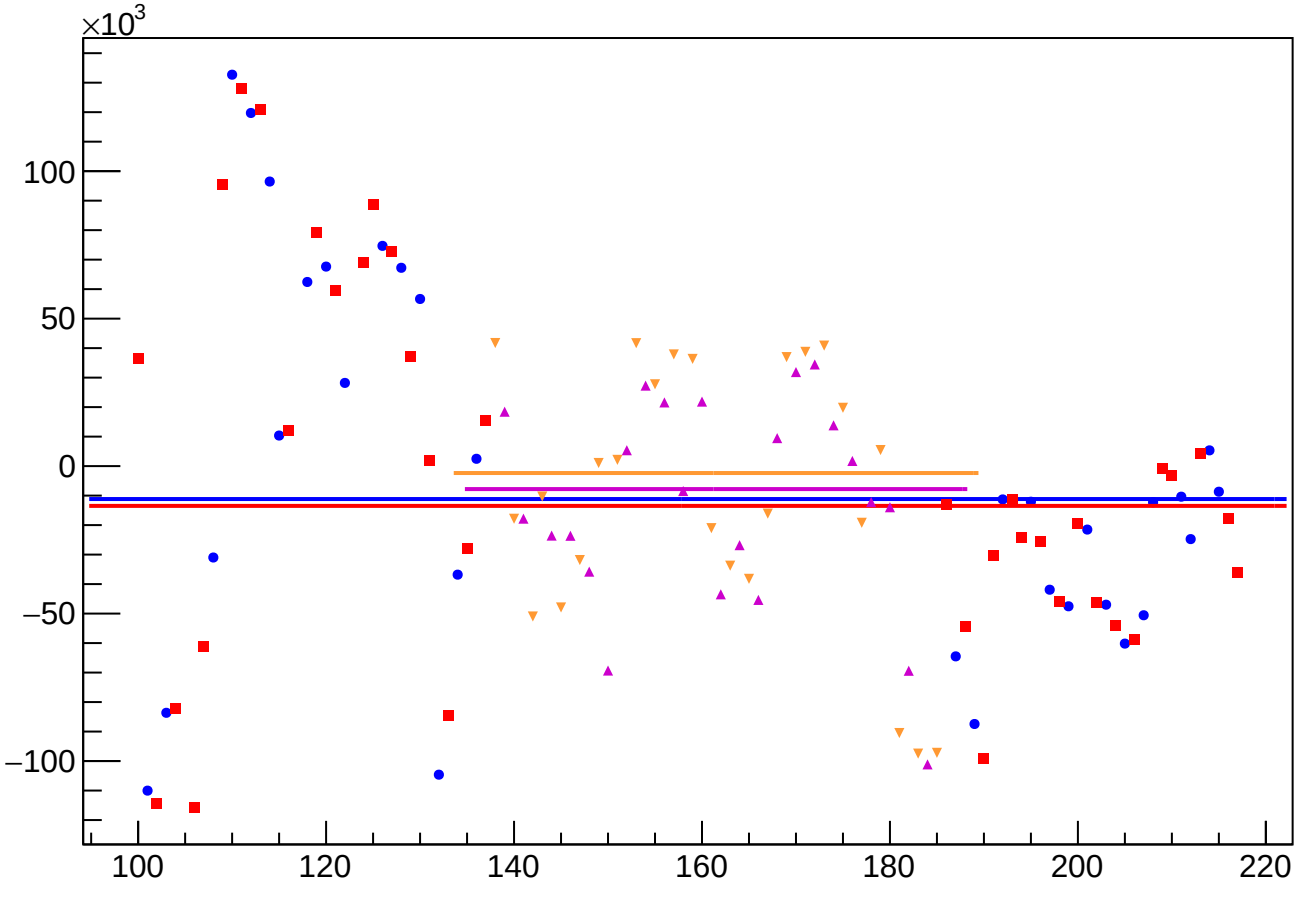
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.413+/-0.000 χ^2/NDF: 7925312.8/66

In: 0.423+/-0.000 χ^2/NDF:5829108.6/53

Out: 0.420+/-0.000 χ^2/NDF:6191073.0/60

All: 0.422+/-0.000 χ^2/NDF: 12022293.4/114



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: -13486.605+/-1.193 χ^2/NDF: 2416590160.3/35

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

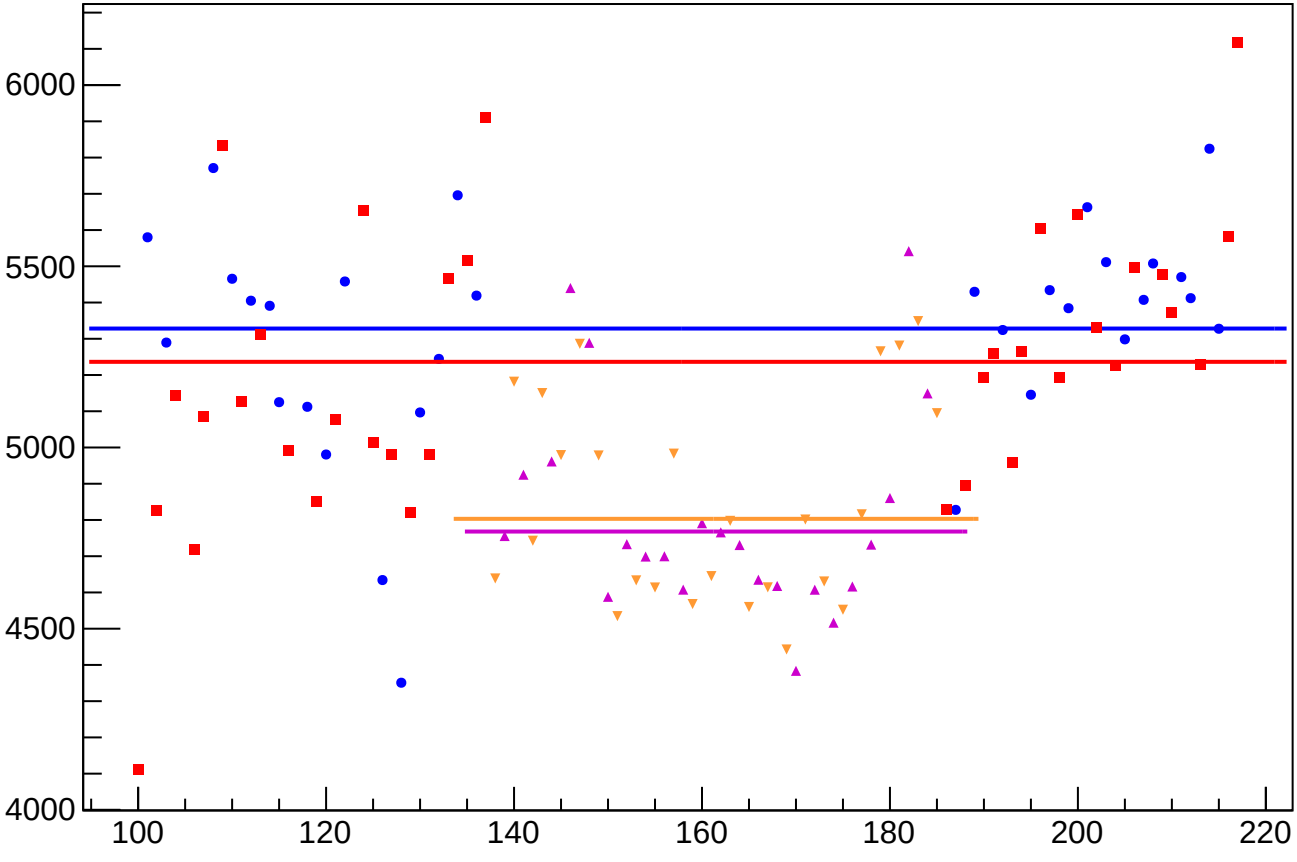
Right: -12387.558+/-0.866 χ^2/NDF: 4366341851.9/

In: -9316.718+/-0.847 χ^2/NDF:2714396082.3/53

Out: -7581.152+/-0.818 χ^2/NDF:3692859381.2/60

All: -8418.796+/-0.588 χ^2/NDF: 6409429364

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: 5236.362+/-0.843 χ^2/NDF: 152590.5/35

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

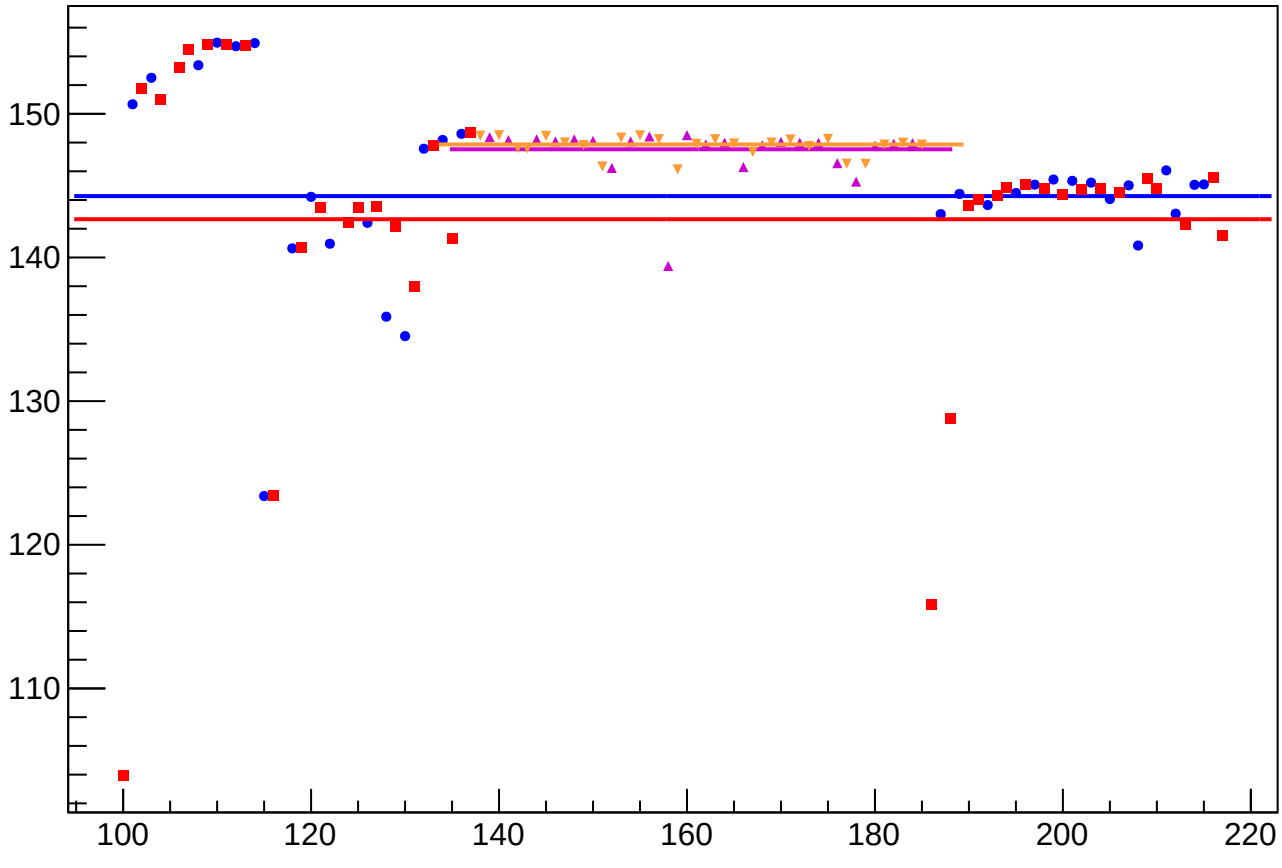
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5279.845+/-0.612 χ^2/NDF: 273426.4/66

In: 5021.681+/-0.599 χ^2/NDF:434487.5/53

Out: 5006.740+/-0.578 χ^2/NDF:407091.6/60

All: 5013.951+/-0.416 χ^2/NDF: 841901.3/114



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: 142.663+/-0.000 χ^2/NDF: 7575131435.8/35

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

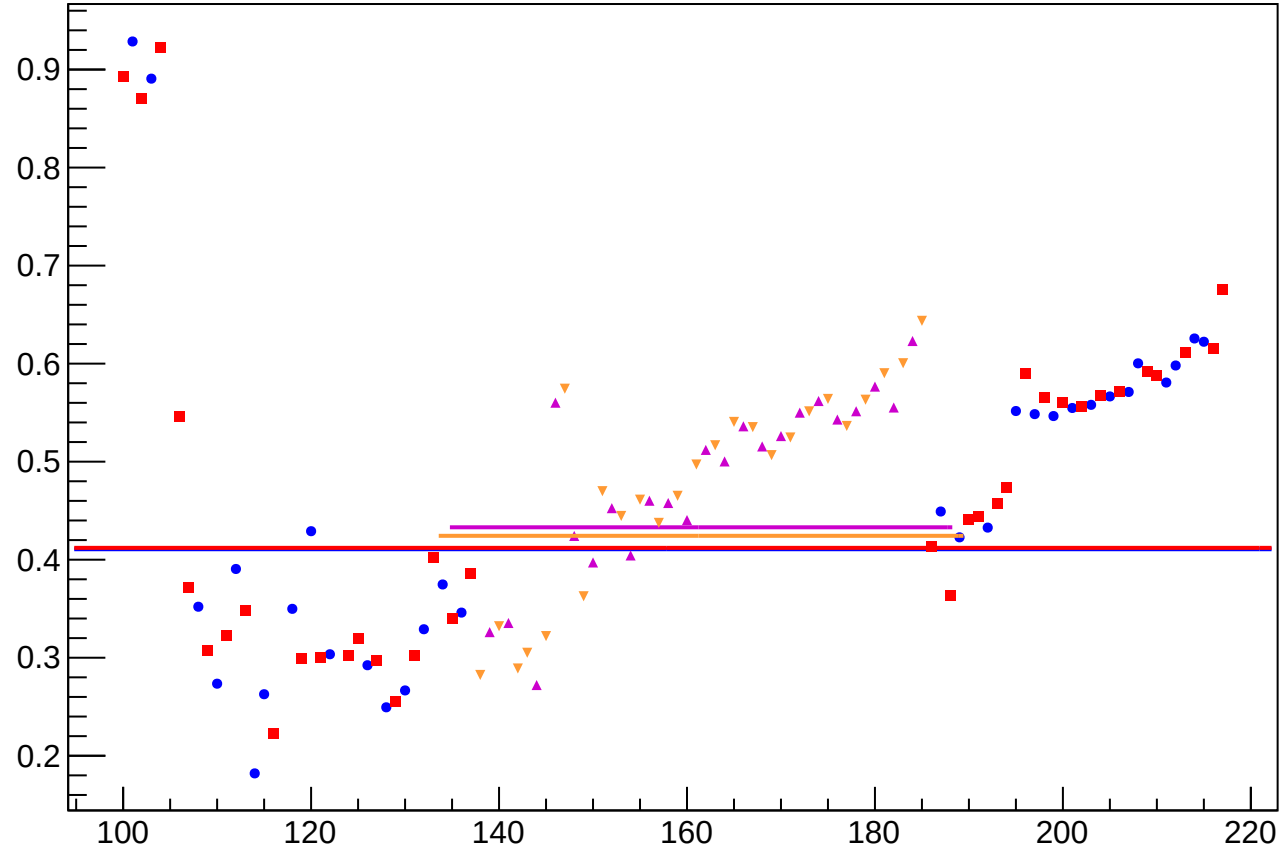
Right: 143.438+/-0.000 χ^2/NDF: 11527108632.8/66

In: 145.846+/-0.000 χ^2/NDF:4623402113.6/53

Out: 145.190+/-0.000 χ^2/NDF:8986366507.4/60

All: 145.505+/-0.000 χ^2/NDF: 13651472543.

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: 0.412+/-0.000 χ^2/NDF: 3923707.6/35

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

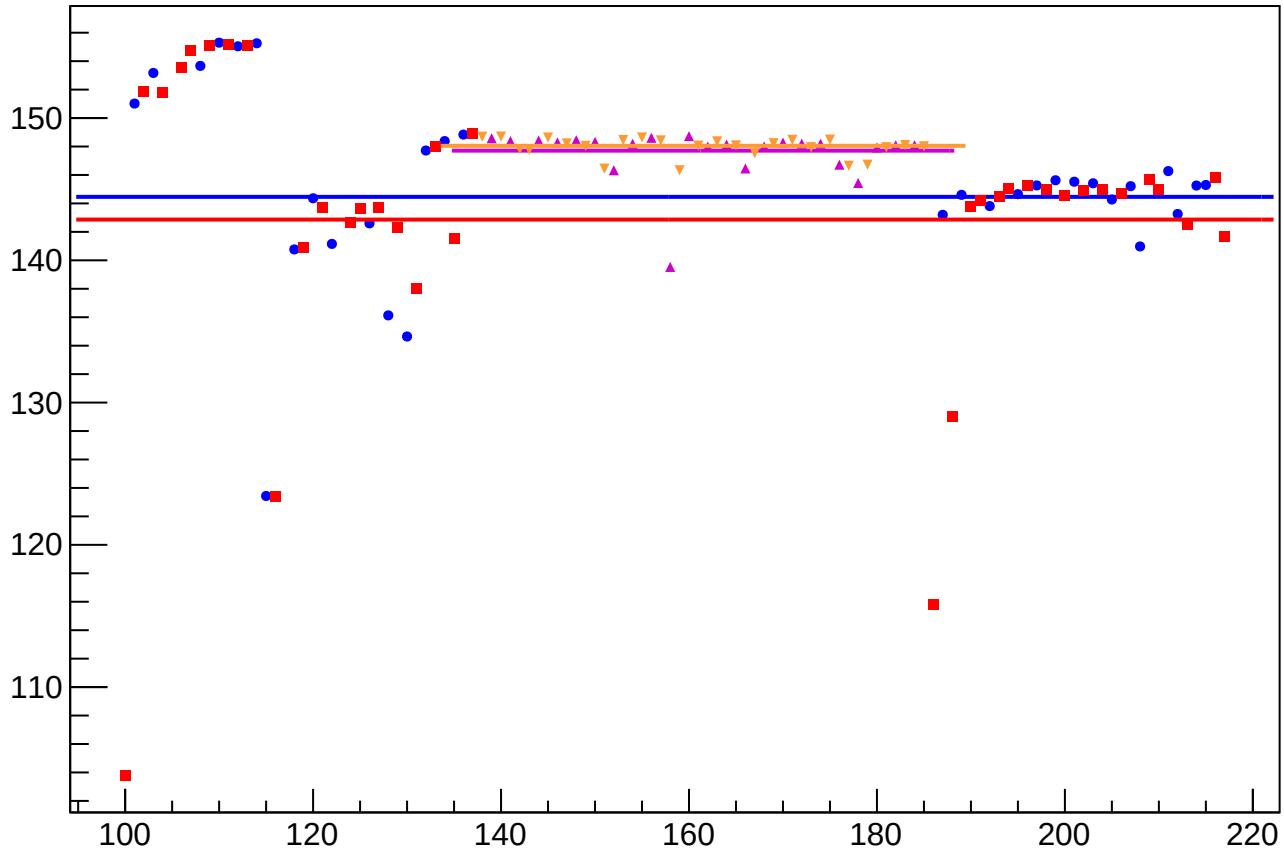
Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

Right: 0.411+/-0.000 χ^2/NDF: 7930921.2/66

In: 0.421+/-0.000 χ^2/NDF:5824735.0/53

Out: 0.418+/-0.000 χ^2/NDF:6199632.1/60

All: 0.420+/-0.000 χ^2/NDF: 12026655.1/114



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: 142.864+/-0.000 χ^2/NDF: 7509477620.8/35

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

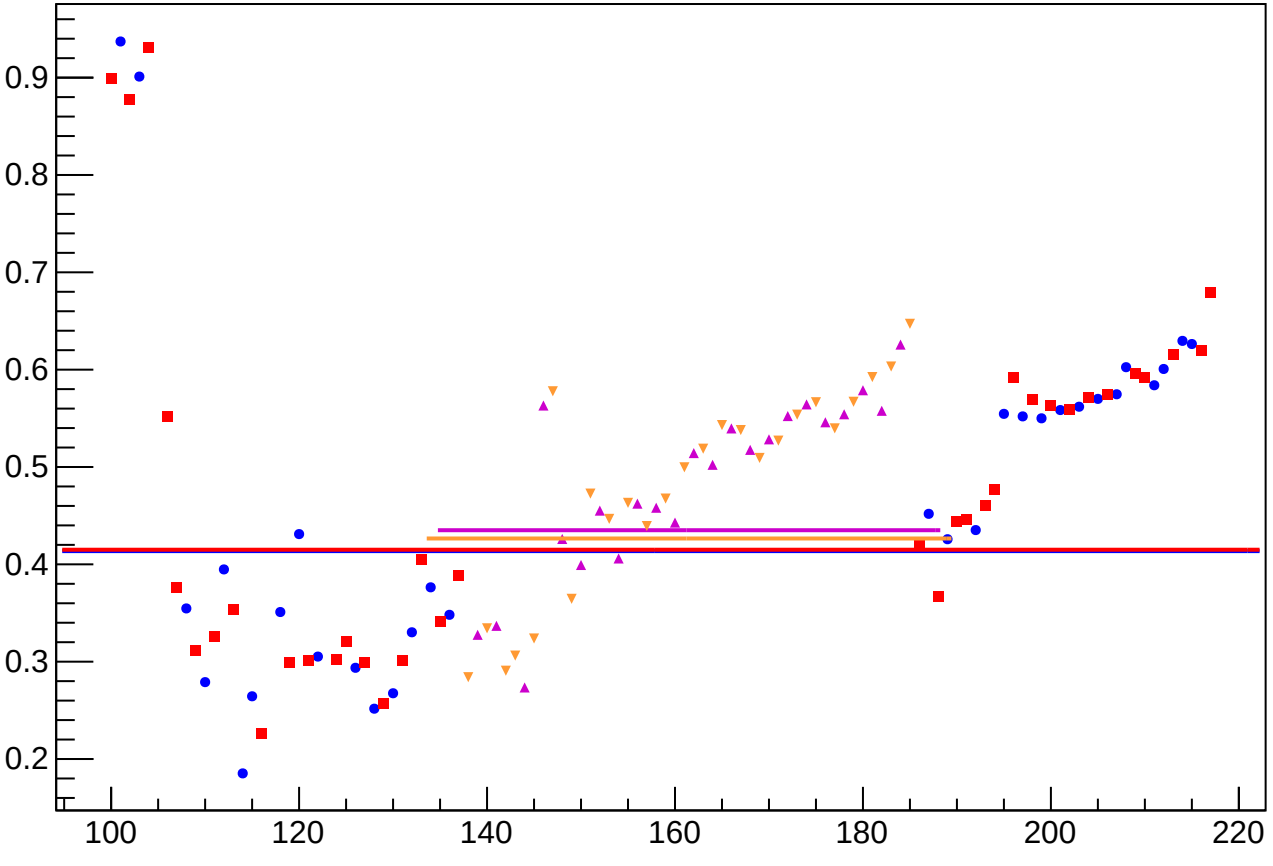
Right: 143.633+/-0.000 χ^2/NDF: 11452069124.5/66

In: 146.033+/-0.000 χ^2/NDF:4614220642.0/53

Out: 145.386+/-0.000 χ^2/NDF:8893808311.5/60

All: 145.697+/-0.000 χ^2/NDF: 13548205376.

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: 0.415+/-0.000 χ^2/NDF: 3914130.6/35

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

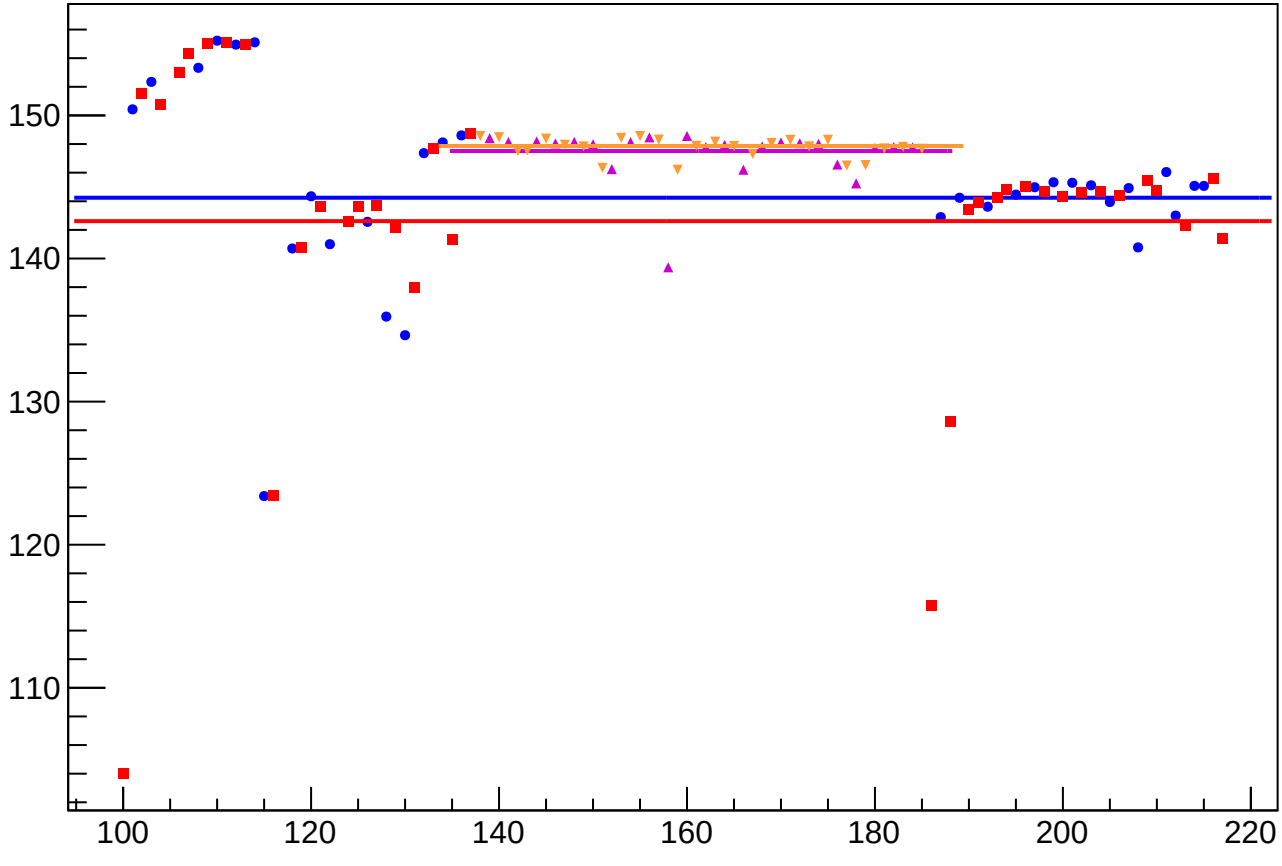
Right: 0.414+/-0.000 χ^2/NDF: 7903998.3/66

In: 0.424+/-0.000 χ^2/NDF:5801806.7/53

Out: 0.421+/-0.000 χ^2/NDF:6184902.4/60

All: 0.422+/-0.000 χ^2/NDF: 11988854.9/114

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: 142.613+/-0.000 χ^2/NDF: 7600007128.3/35

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

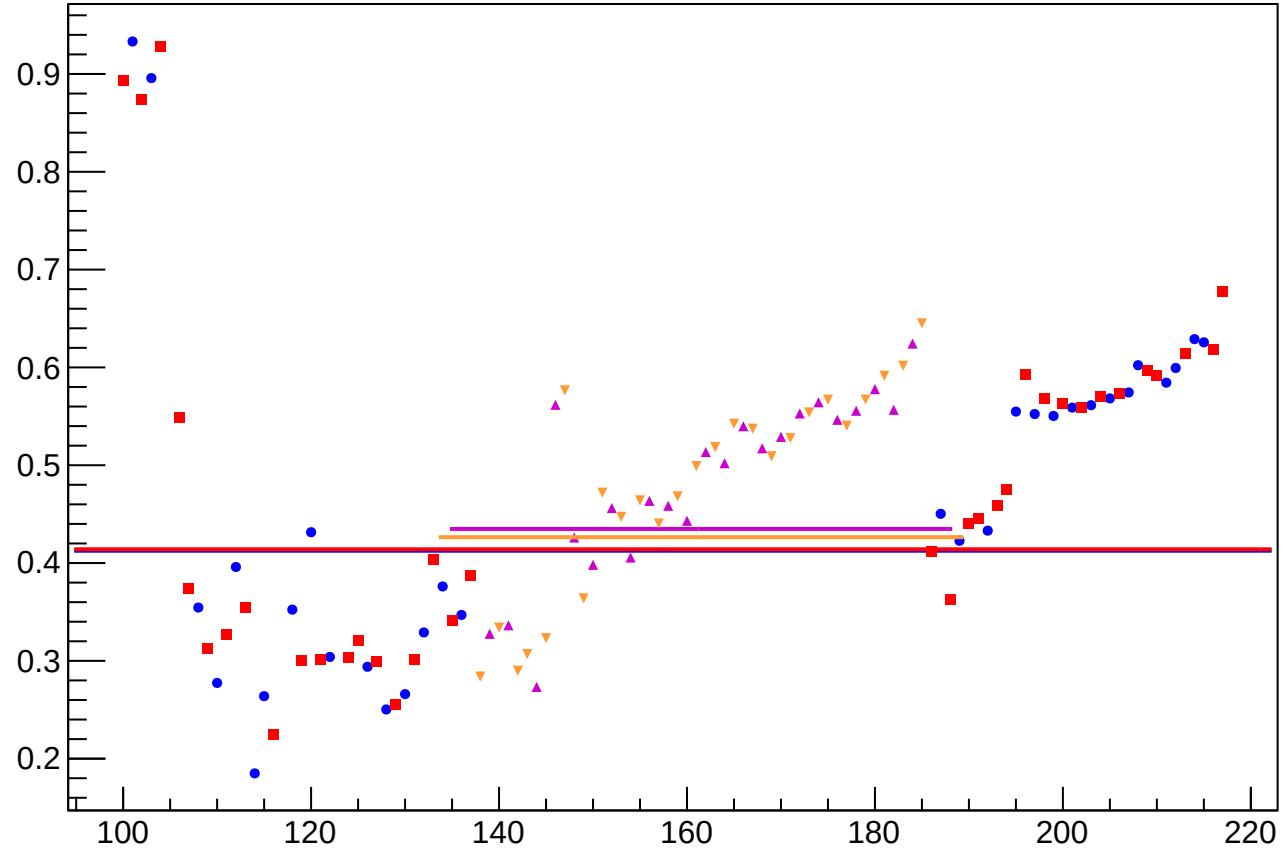
Right: 143.400+/-0.000 χ^2/NDF: 11513783231.3/66

In: 145.824+/-0.000 χ^2/NDF:4578501555.6/53

Out: 145.161+/-0.000 χ^2/NDF:9022248499.6/60

All: 145.479+/-0.000 χ^2/NDF: 13642998074.

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: 0.414+/-0.000 χ^2/NDF: 3916587.9/35

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

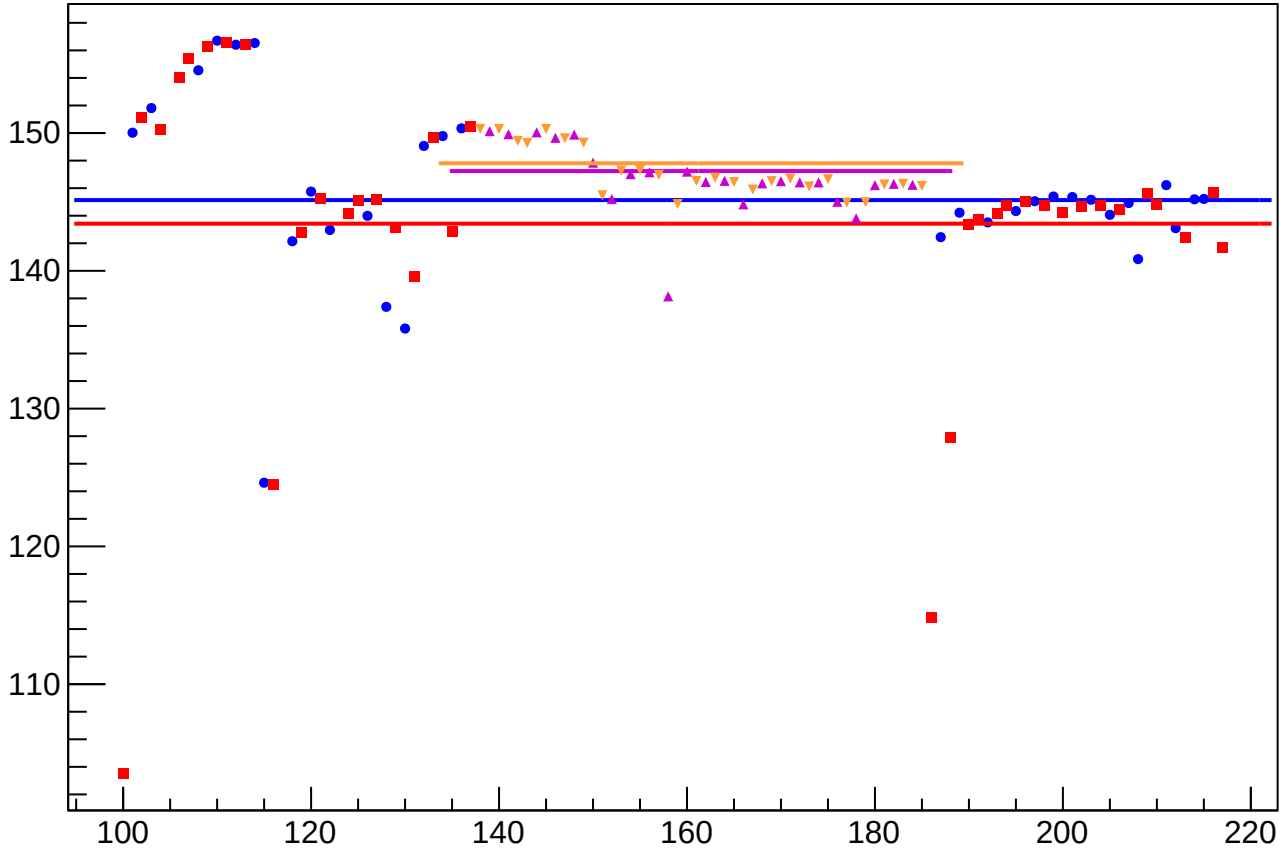
Right: 0.413+/-0.000 χ^2/NDF: 7925312.8/66

In: 0.423+/-0.000 χ^2/NDF:5829108.6/53

Out: 0.420+/-0.000 χ^2/NDF:6191073.0/60

All: 0.422+/-0.000 χ^2/NDF: 12022293.4/114

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: 143.423+/-0.000 χ^2/NDF: 7648240830.6/35

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

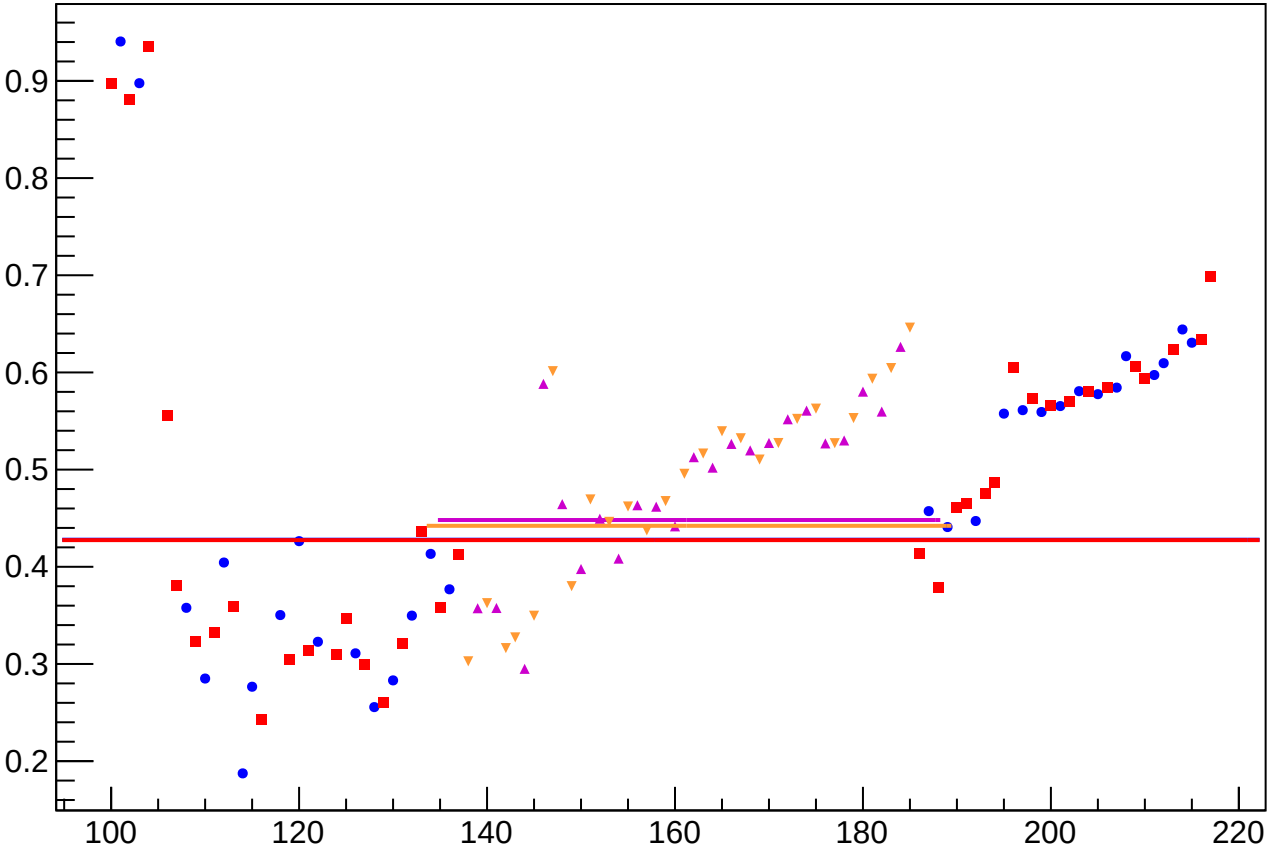
Right: 144.243+/-0.000 χ^2/NDF: 11356998747.4/66

In: 146.162+/-0.000 χ^2/NDF:4384824343.3/53

Out: 145.551+/-0.000 χ^2/NDF:8877874559.8/60

All: 145.845+/-0.000 χ^2/NDF: 13296493791.

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: 0.427+/-0.000 χ^2/NDF: 3732788.7/35

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

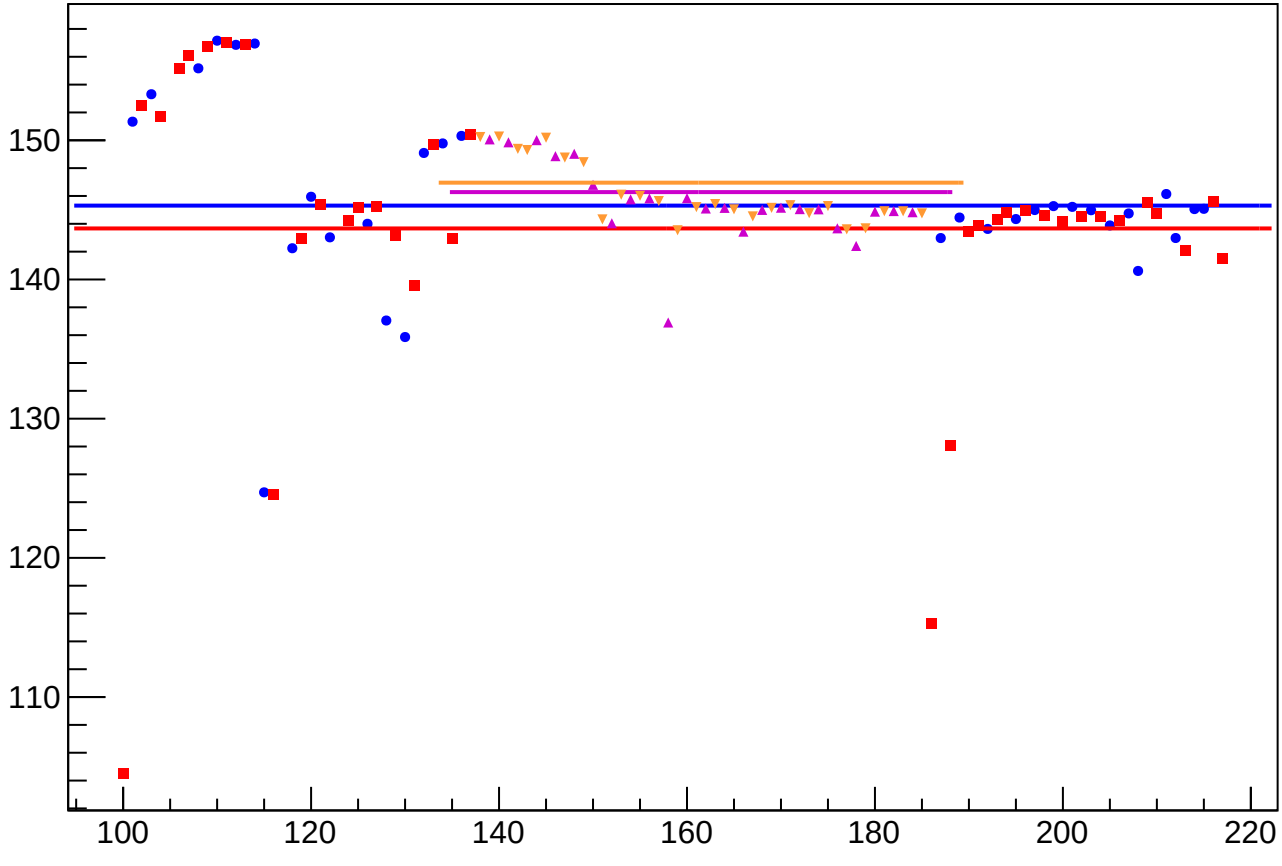
Right: 0.428+/-0.000 χ^2/NDF: 7512050.5/66

In: 0.438+/-0.000 χ^2/NDF:5162844.1/53

Out: 0.435+/-0.000 χ^2/NDF:5457377.6/60

All: 0.436+/-0.000 χ^2/NDF: 10622025.6/114

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: 143.667+/-0.000 χ^2/NDF: 7704709678.5/35

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

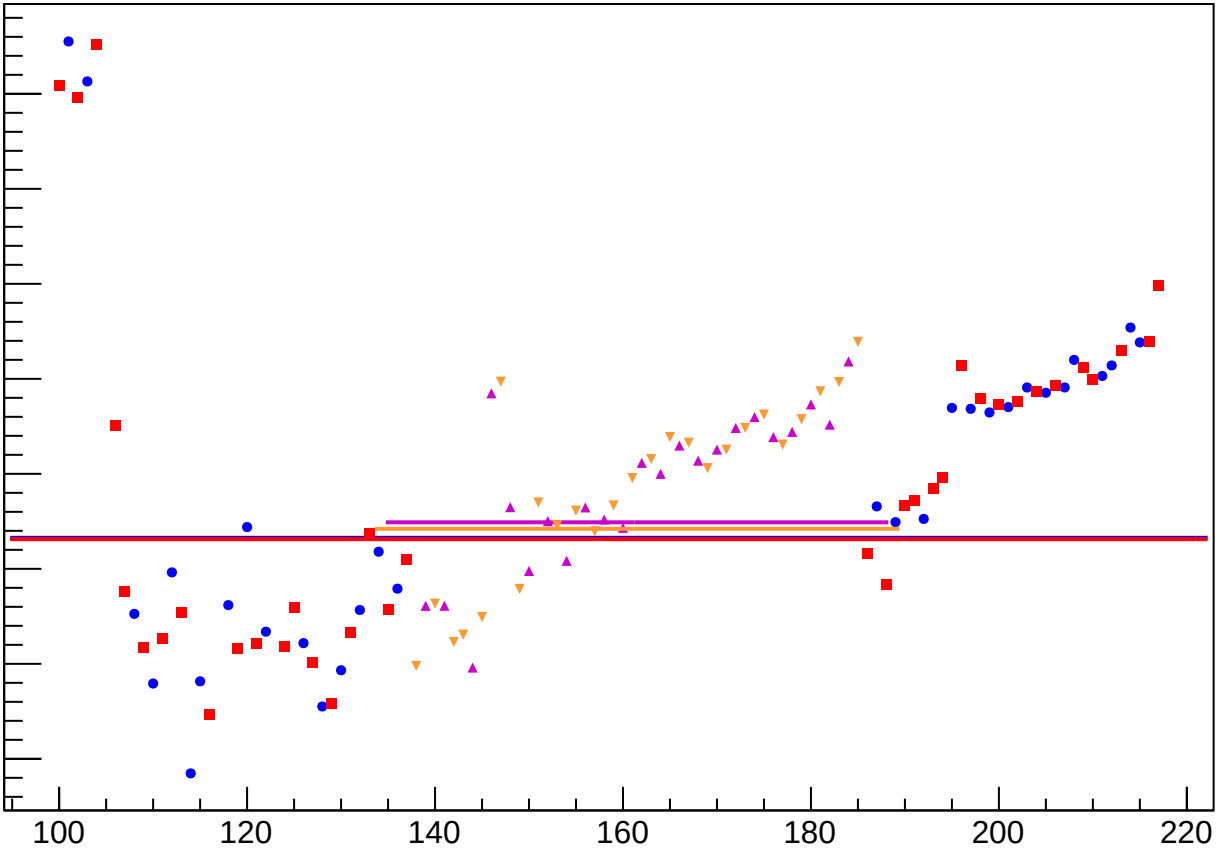
Right: 144.451+/-0.000 χ^2/NDF: 11561085322.3/66

In: 145.786+/-0.000 χ^2/NDF:4599837159.1/53

Out: 145.281+/-0.000 χ^2/NDF:8751262522.2/60

All: 145.523+/-0.000 χ^2/NDF: 13373933494.

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: 0.431+/-0.000 χ^2/NDF: 3753380.3/35

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

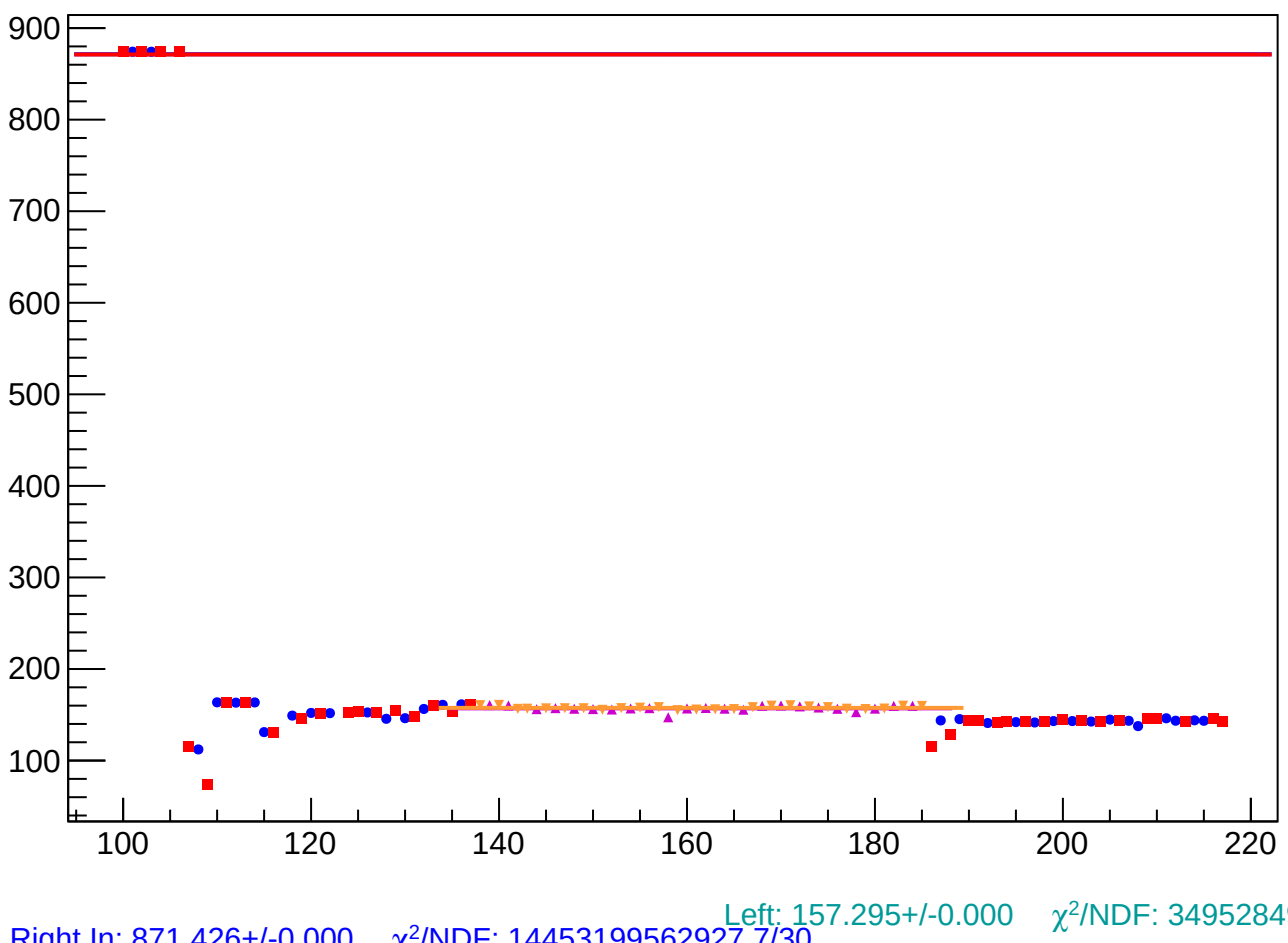
Right: 0.432+/-0.000 χ^2/NDF: 7566693.4/66

In: 0.441+/-0.000 χ^2/NDF:5136634.3/53

Out: 0.437+/-0.000 χ^2/NDF:5441065.2/60

All: 0.439+/-0.000 χ^2/NDF: 10580720.7/114

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: 871.178+/-0.000 χ^2/NDF: 18173251076504.9/35

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

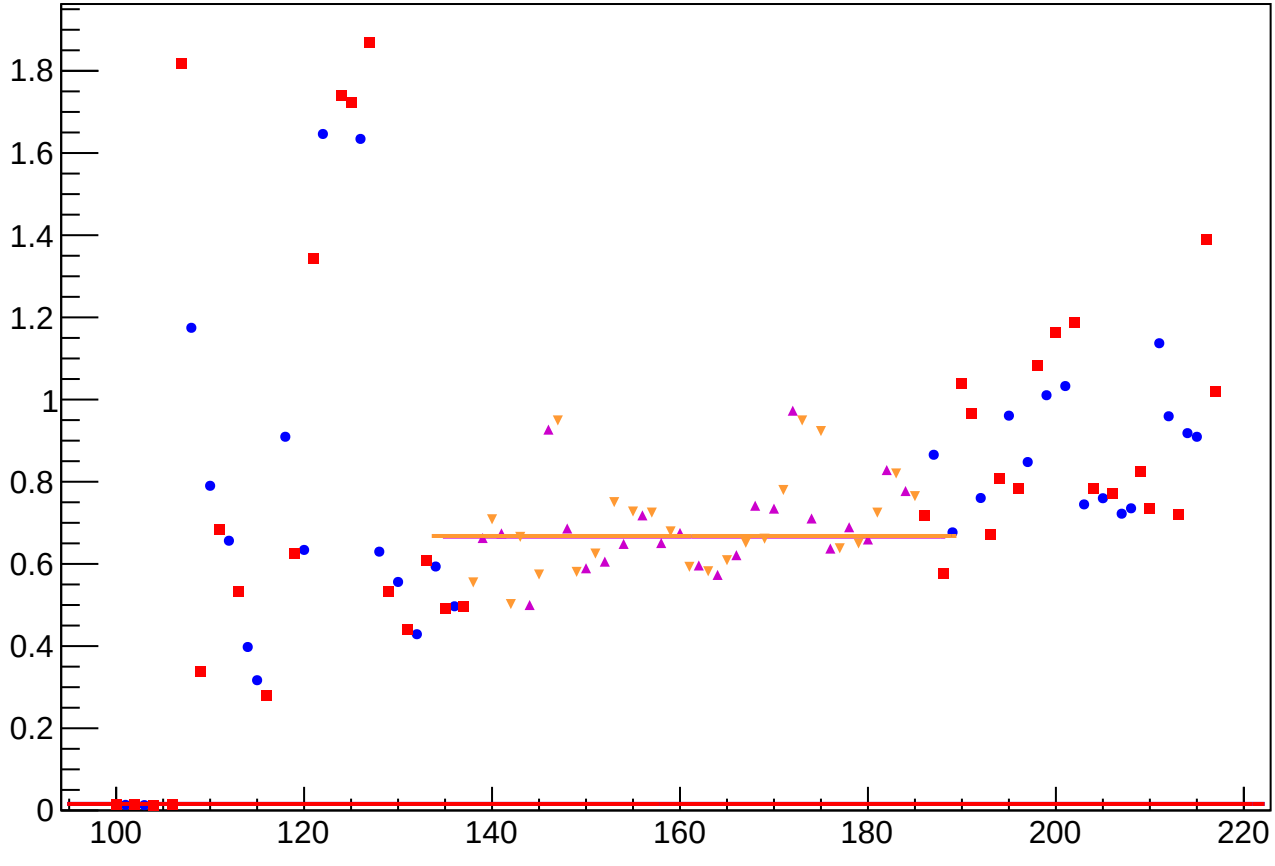
Right: 871.293+/-0.000 χ^2/NDF: 32626685477204.

In: 868.197+/-0.000 χ^2/NDF:30919644086090.8/5

Out: 868.251+/-0.000 χ^2/NDF:35356050603900.8

All: 868.226+/-0.000 χ^2/NDF: 662757057790

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: 31144482.6/35

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

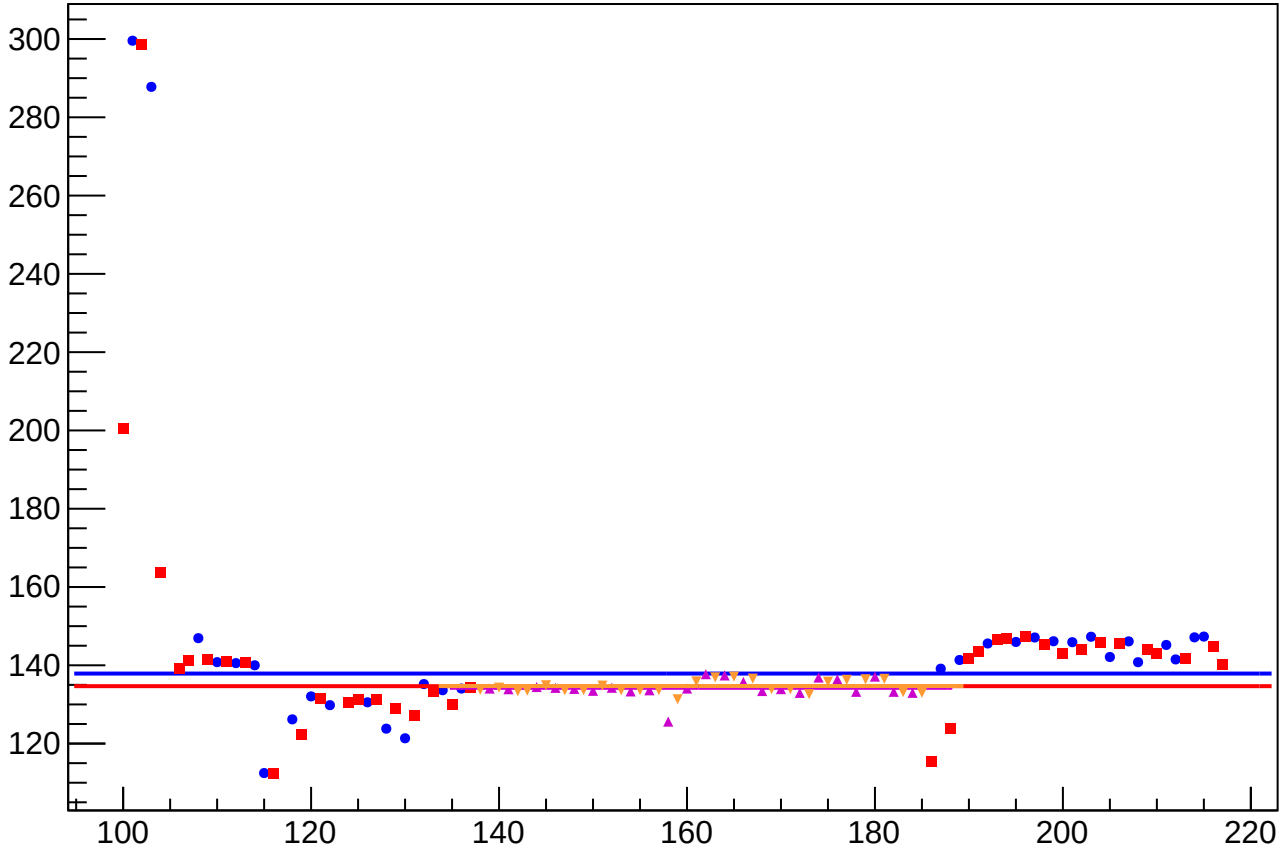
Right: 0.016+/-0.000 χ^2/NDF: 59450505.2/66

In: 0.019+/-0.000 χ^2/NDF:56146895.1/53

Out: 0.019+/-0.000 χ^2/NDF:60525144.2/60

All: 0.019+/-0.000 χ^2/NDF: 116673081.3/114

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: 134.669+/-0.000 χ^2/NDF: 5539726651.9/35

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

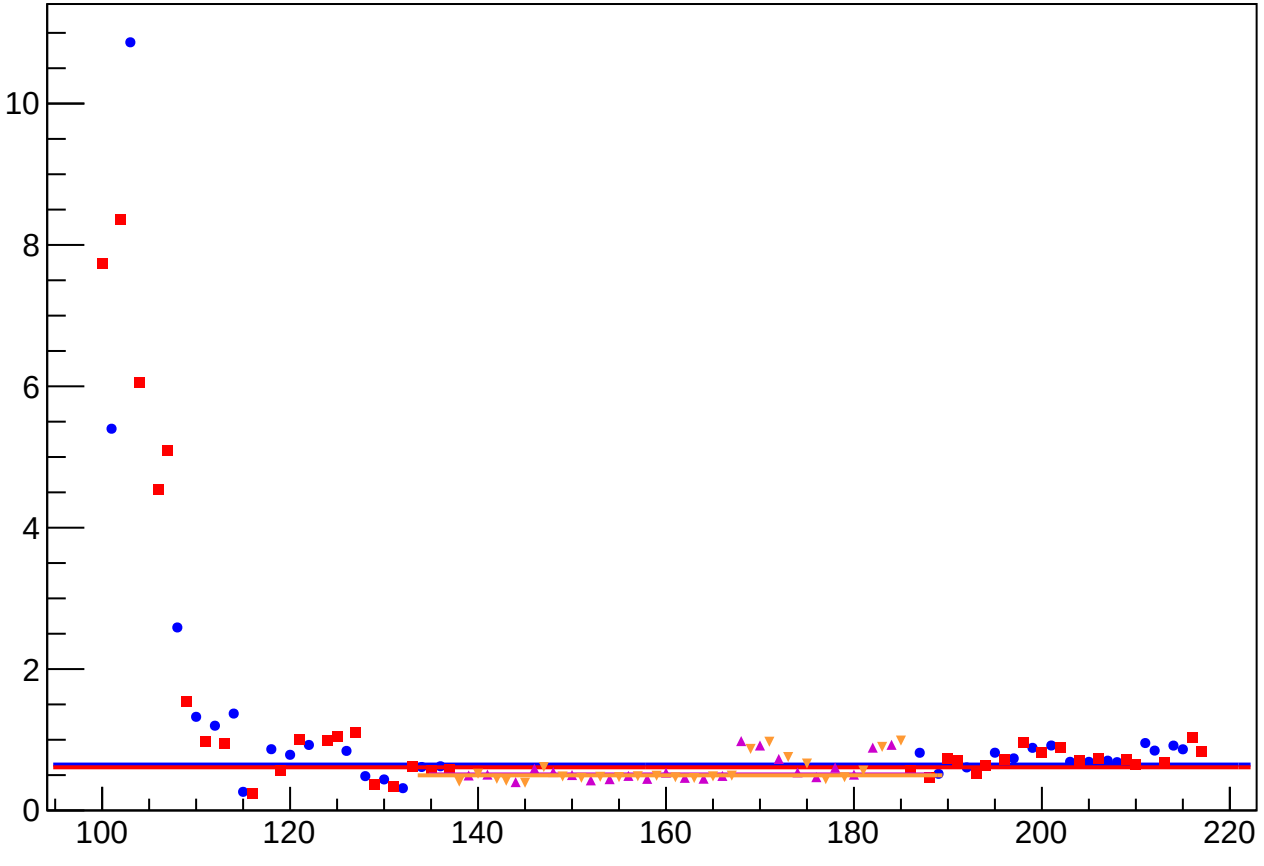
Right: 136.116+/-0.000 χ^2/NDF: 9449831324.4/66

In: 135.495+/-0.000 χ^2/NDF:4446030874.8/53

Out: 134.697+/-0.000 χ^2/NDF:5699662510.9/60

All: 135.069+/-0.000 χ^2/NDF: 10176946626.

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: 0.610+/-0.000 χ^2/NDF: 6400051.5/35

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

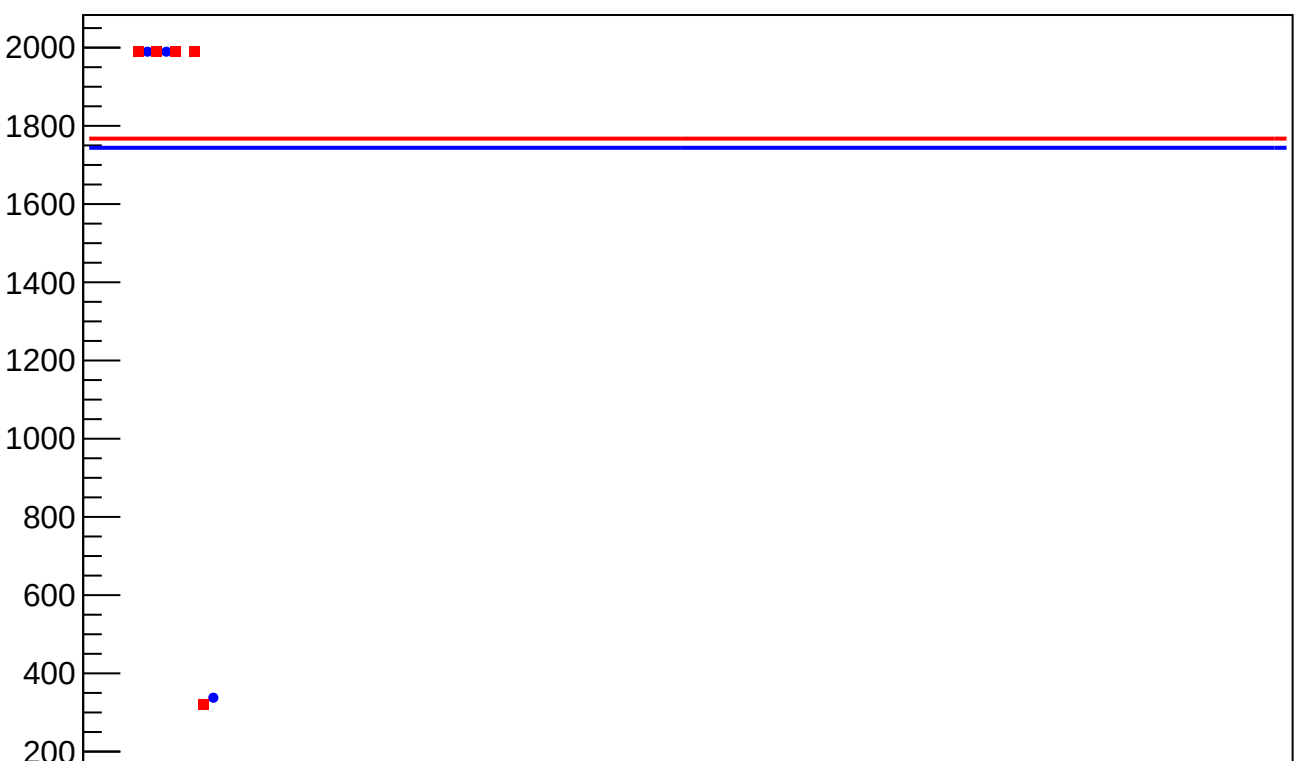
Right: 0.628+/-0.000 χ^2/NDF: 11854946.5/66

In: 0.557+/-0.000 χ^2/NDF:7693502.8/53

Out: 0.538+/-0.000 χ^2/NDF:8602891.4/60

All: 0.547+/-0.000 χ^2/NDF: 16331573.9/114

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: 1767.353+/-0.000 χ^2/NDF: 256062343180723.6/35

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

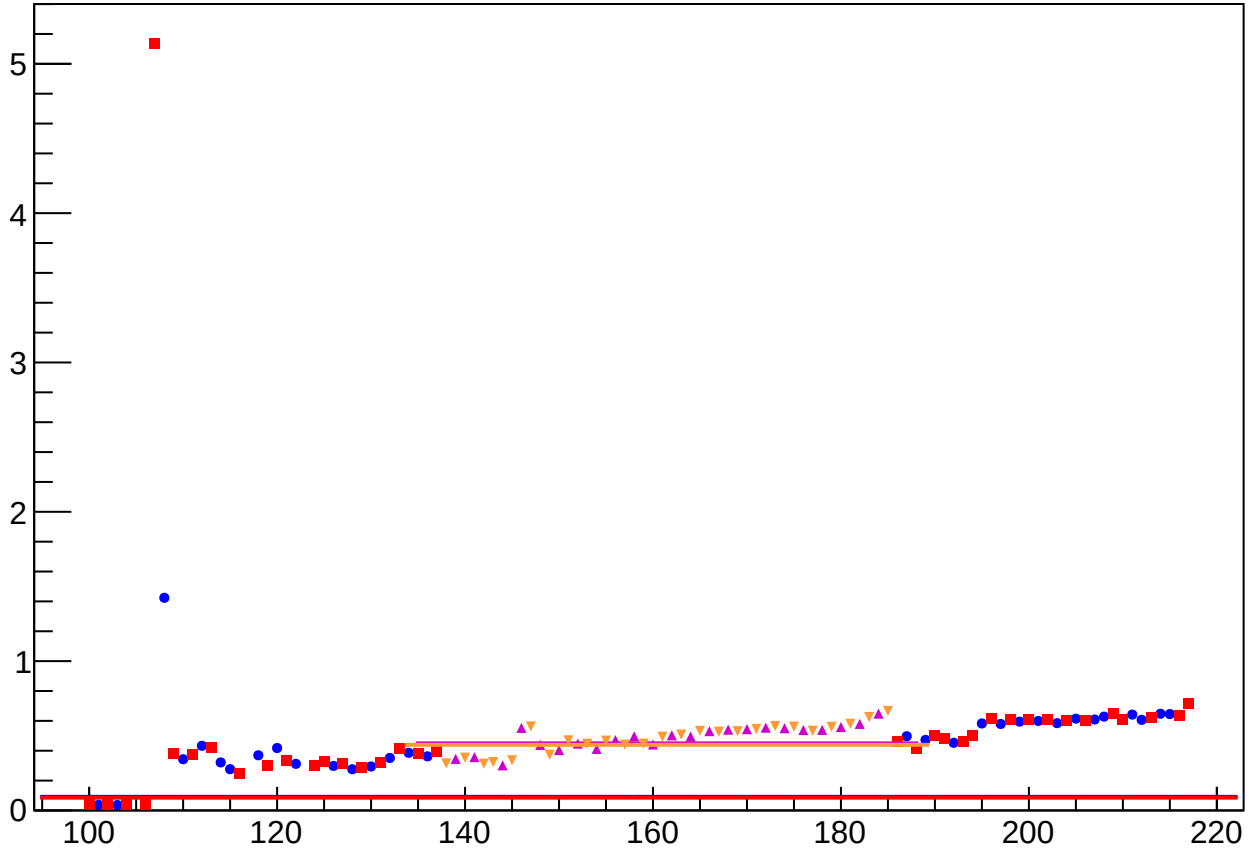
Right: 1756.528+/-0.000 χ^2/NDF: 4948948818414

In: 1546.078+/-0.000 χ^2/NDF:430754268152680.

Out: 1578.005+/-0.000 χ^2/NDF:474023608603345

All: 1563.218+/-0.000 χ^2/NDF: 9051551364

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: 0.086+/-0.000 χ^2/NDF: 27354116.5/35

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

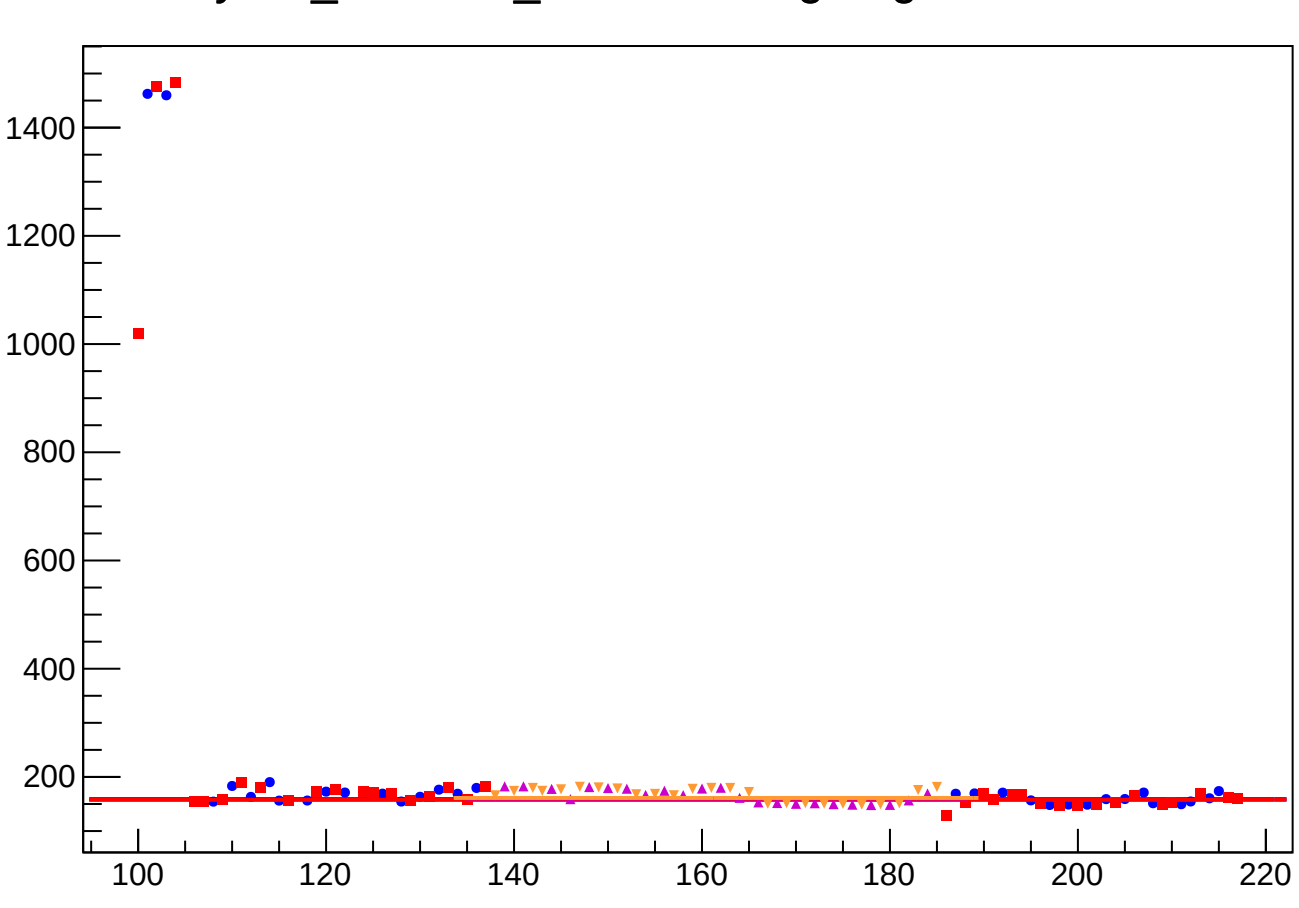
Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

Right: 0.088+/-0.000 χ^2/NDF: 53052530.4/66

In: 0.135+/-0.000 χ^2/NDF:46128995.7/53

Out: 0.127+/-0.000 χ^2/NDF:49651760.6/60

All: 0.131+/-0.000 χ^2/NDF: 95830082.1/114



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: 157.697+/-0.000 χ^2/NDF: 18380147224.3/35

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

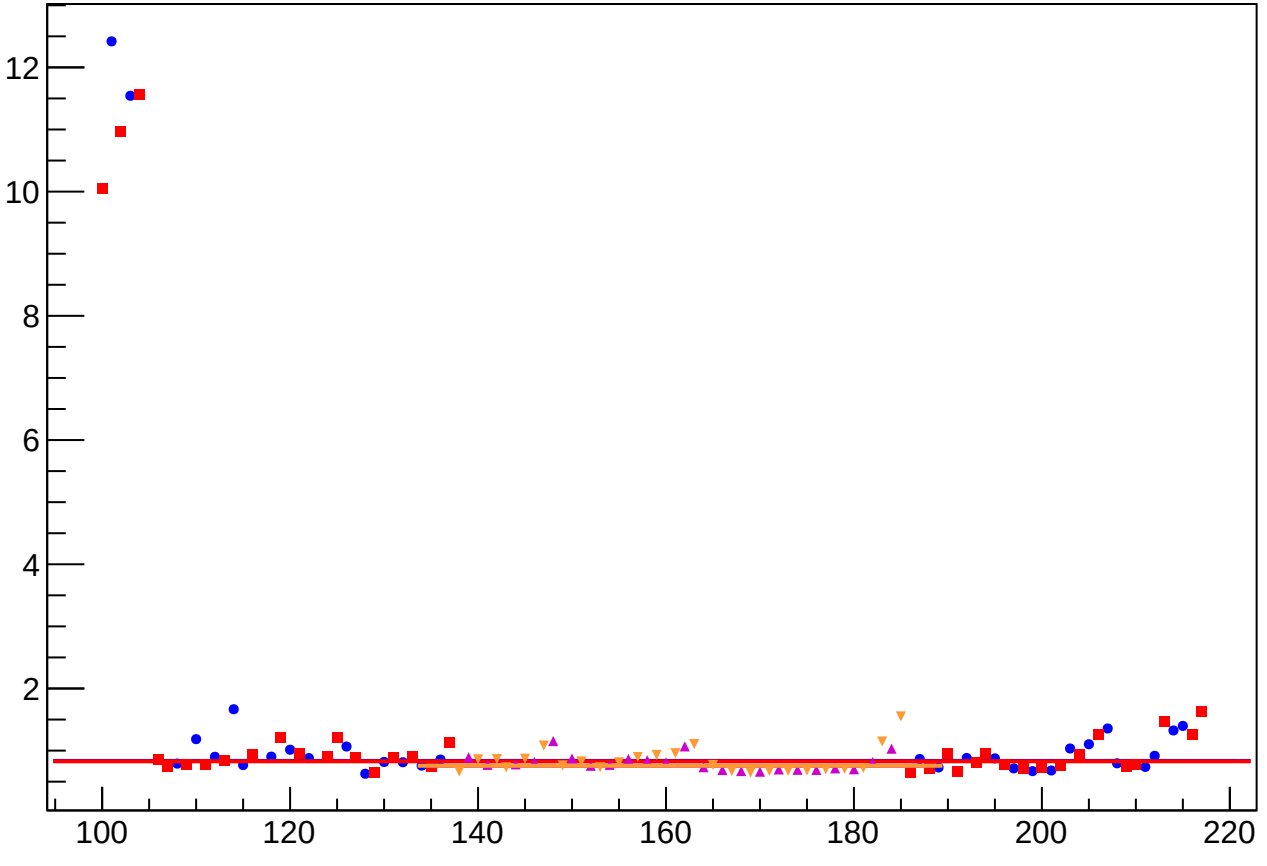
Right: 158.273+/-0.000 χ^2/NDF: 34460571532.2/66

In: 159.605+/-0.000 χ^2/NDF:19820118874.0/53

Out: 159.586+/-0.000 χ^2/NDF:22251242866.0/60

All: 159.595+/-0.000 χ^2/NDF: 42071368837.

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: 0.828+/-0.000 χ^2/NDF: 3243816.2/35

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

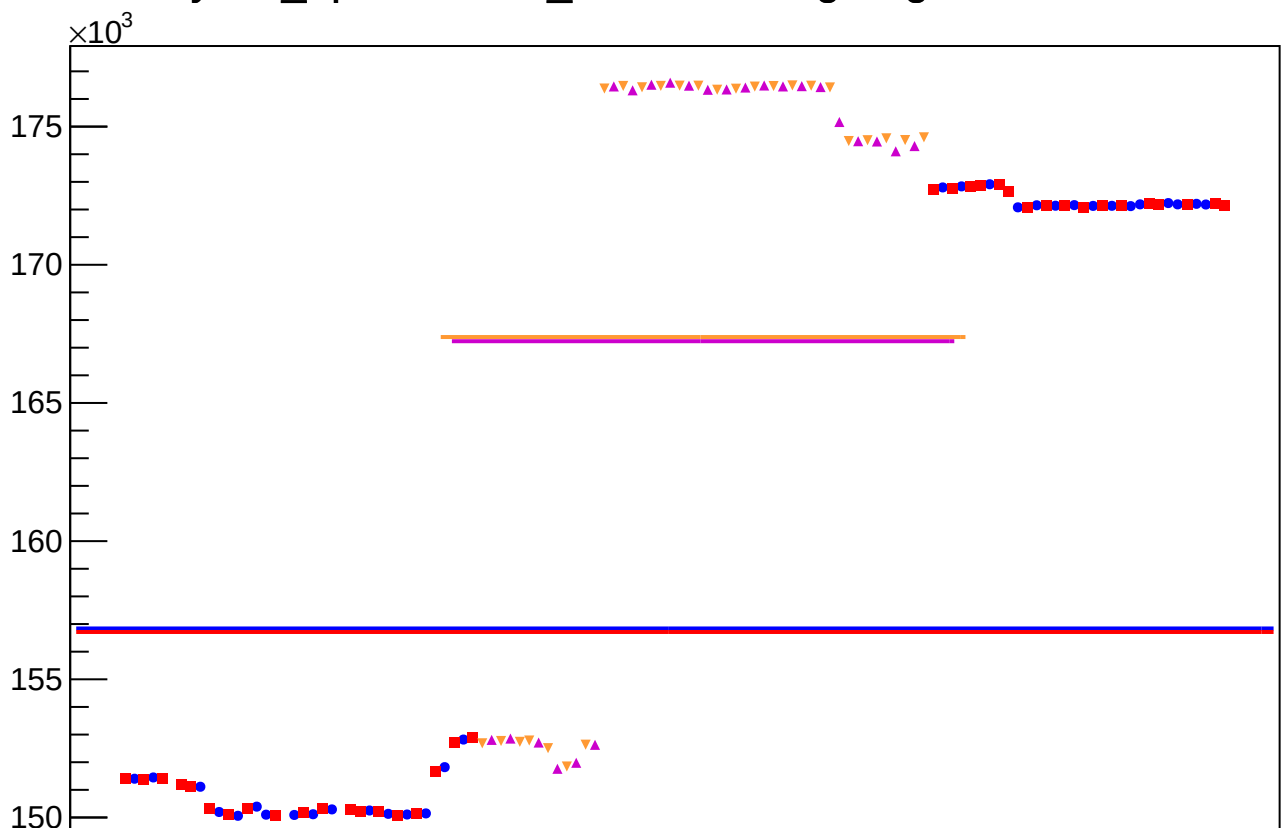
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.831+/-0.000 χ^2/NDF: 6495087.3/66

In: 0.790+/-0.000 χ^2/NDF:3849502.7/53

Out: 0.789+/-0.000 χ^2/NDF:4107825.9/60

All: 0.789+/-0.000 χ^2/NDF: 7957361.5/114



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: 156712.911+/-0.043 χ^2/NDF: 51776835641.8/35

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

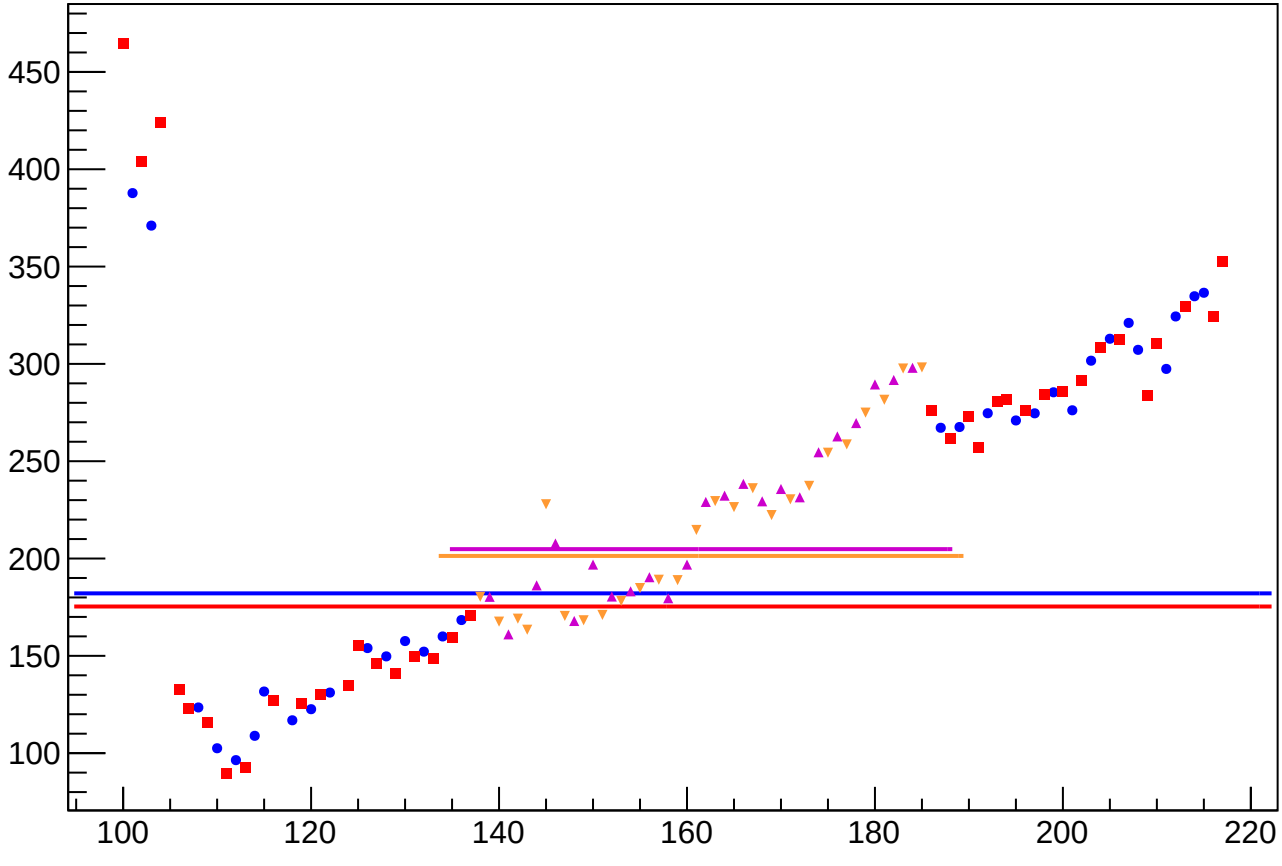
Right: 156772.299+/-0.032 χ^2/NDF: 97674847222.

In: 161728.636+/-0.034 χ^2/NDF:124954649113.8

Out: 161629.389+/-0.032 χ^2/NDF:139508759298.

All: 161676.280+/-0.023 χ^2/NDF: 26446803

yield_bpm2i01WS_rms vs Slug, Sign Corrected



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: 175.349+/-0.031 χ^2/NDF: 7600813.2/35

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

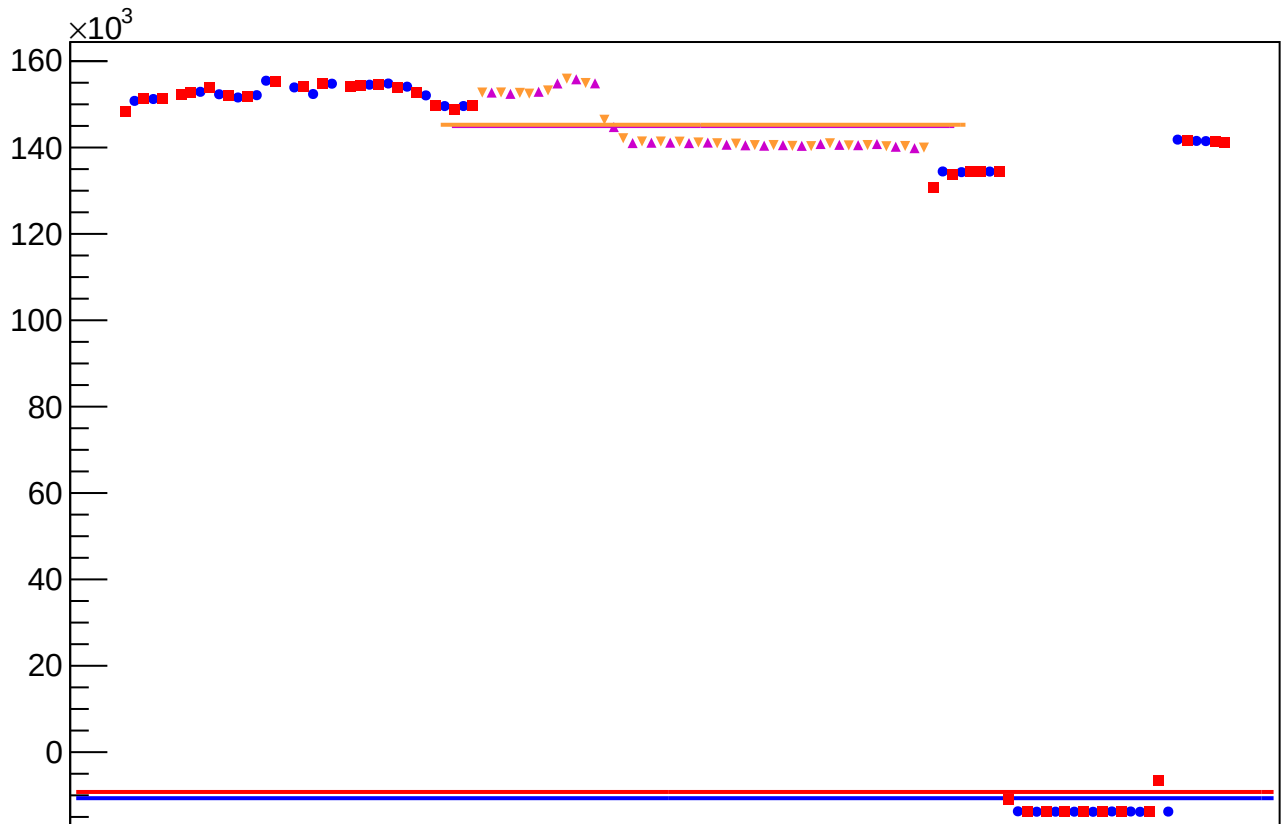
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 178.508+/-0.022 χ^2/NDF: 14141654.5/66

In: 192.789+/-0.024 χ^2/NDF:7800186.1/53

Out: 187.317+/-0.022 χ^2/NDF:9164821.3/60

All: 189.902+/-0.016 χ^2/NDF: 16993127.8/11



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: -9217.381+/-0.009 χ^2/NDF: 7686356218932.6/35

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

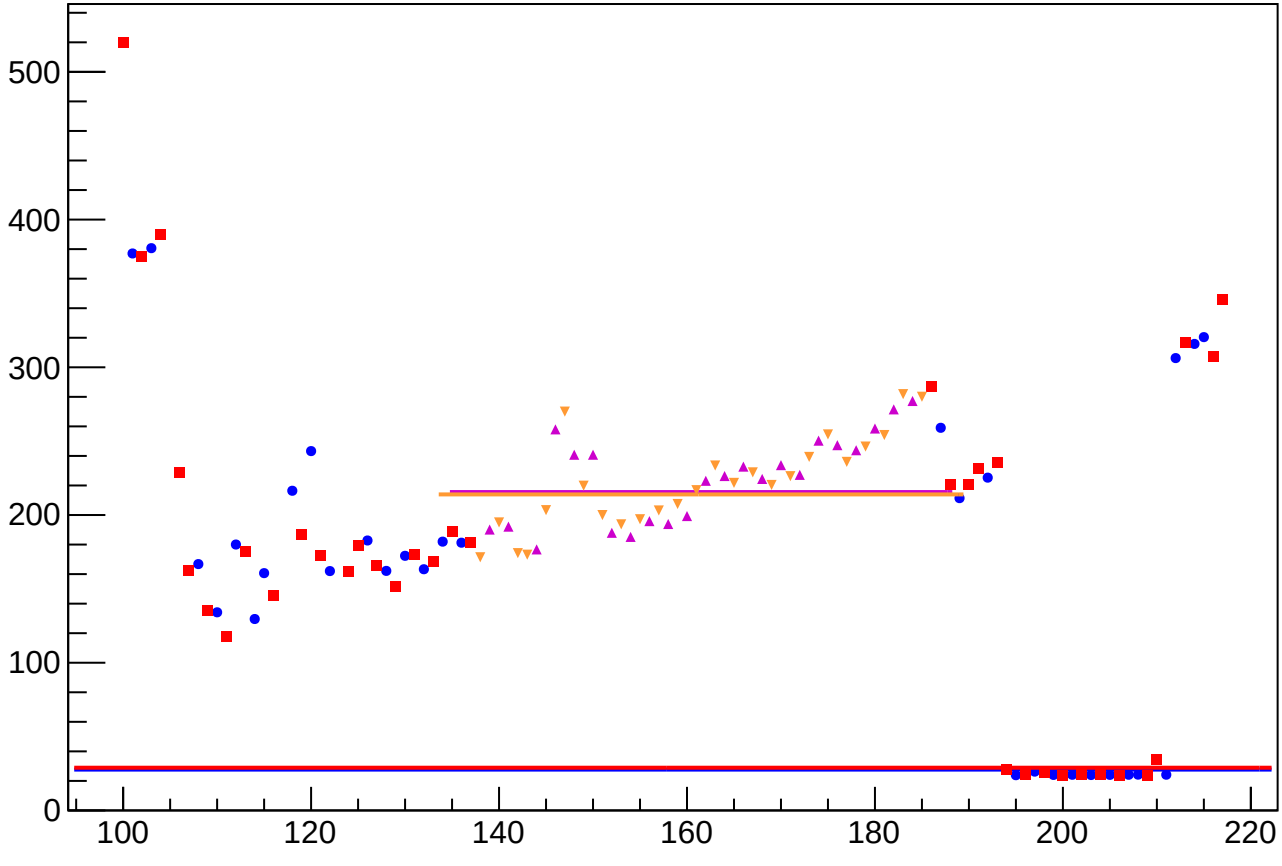
Right: -9989.894+/-0.006 χ^2/NDF: 1419803403074

In: -6255.486+/-0.009 χ^2/NDF:15488275639285.

Out: -3843.378+/-0.009 χ^2/NDF:17144451239838

All: -5129.987+/-0.006 χ^2/NDF: 3266930347

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: 28.933+/-0.007 χ^2/NDF: 18653602.7/35

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

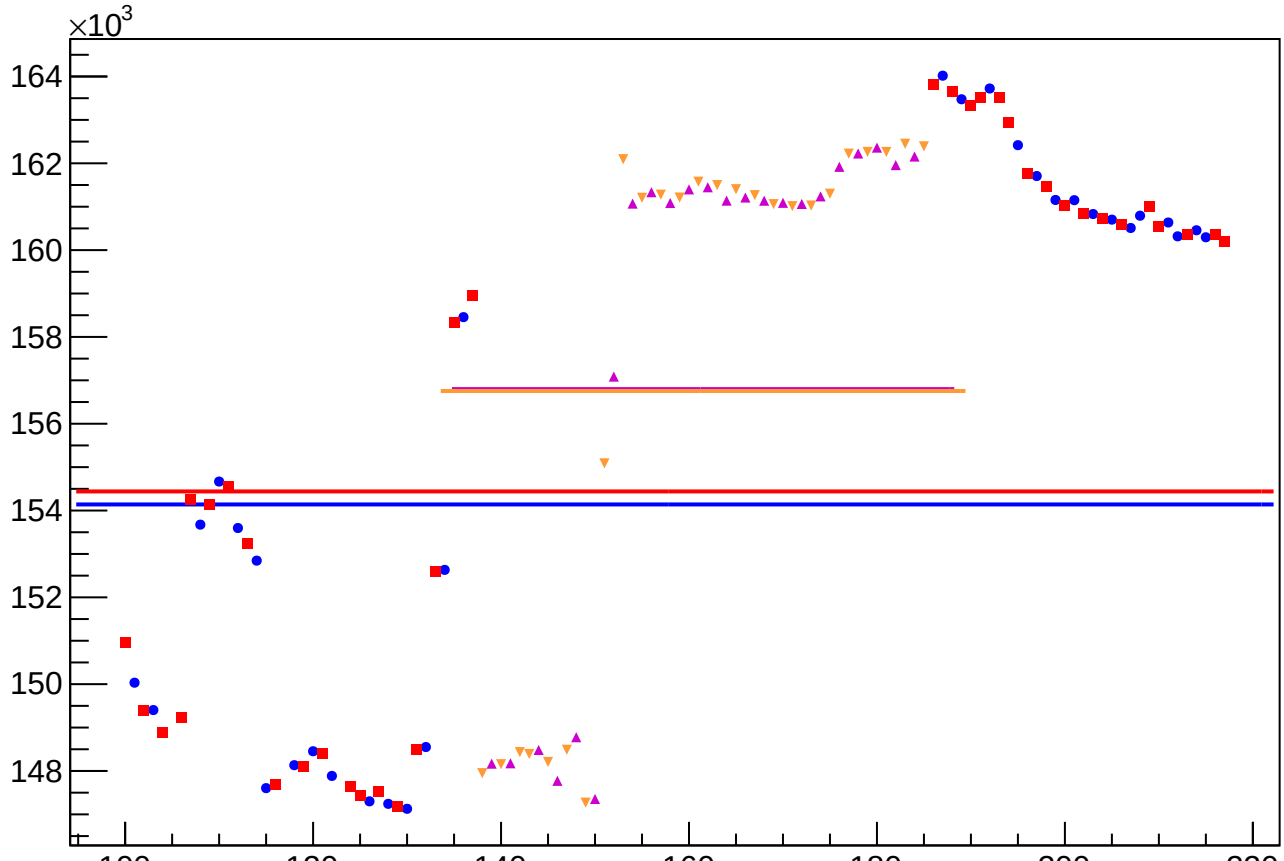
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.254+/-0.005 χ^2/NDF: 35742296.3/66

In: 32.981+/-0.006 χ^2/NDF:43832611.0/53

Out: 35.369+/-0.007 χ^2/NDF:46396481.0/60

All: 34.096+/-0.004 χ^2/NDF: 90300787.5/114



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: 154440.188+/-0.049 χ^2/NDF: 13601275321.6/35

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

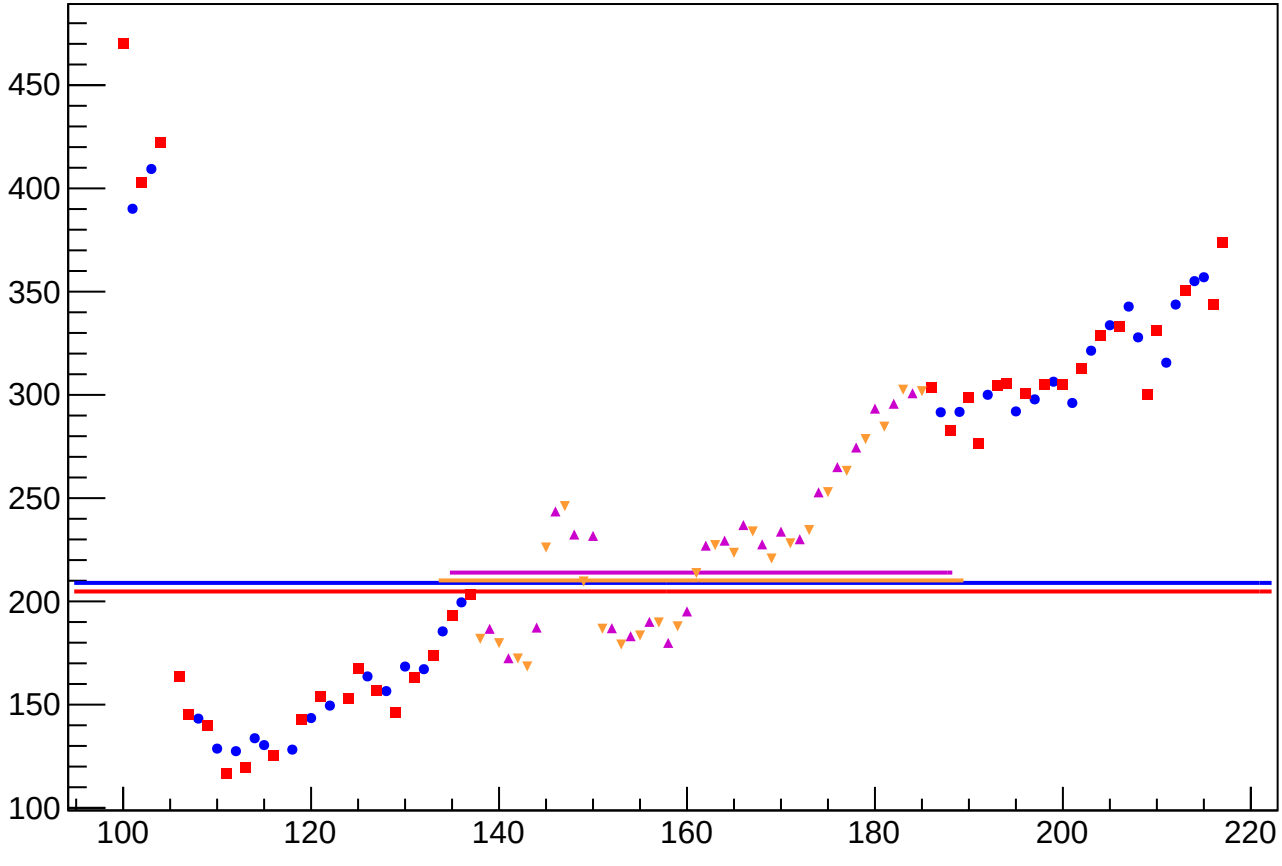
Right: 154297.445+/-0.036 χ^2/NDF: 26259453710.

In: 155493.942+/-0.036 χ^2/NDF:28319829471.7/5

Out: 155616.929+/-0.035 χ^2/NDF:31094521240.1

All: 155558.338+/-0.025 χ^2/NDF: 59420340

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: 204.794+/-0.035 χ^2/NDF: 6061526.9/35

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

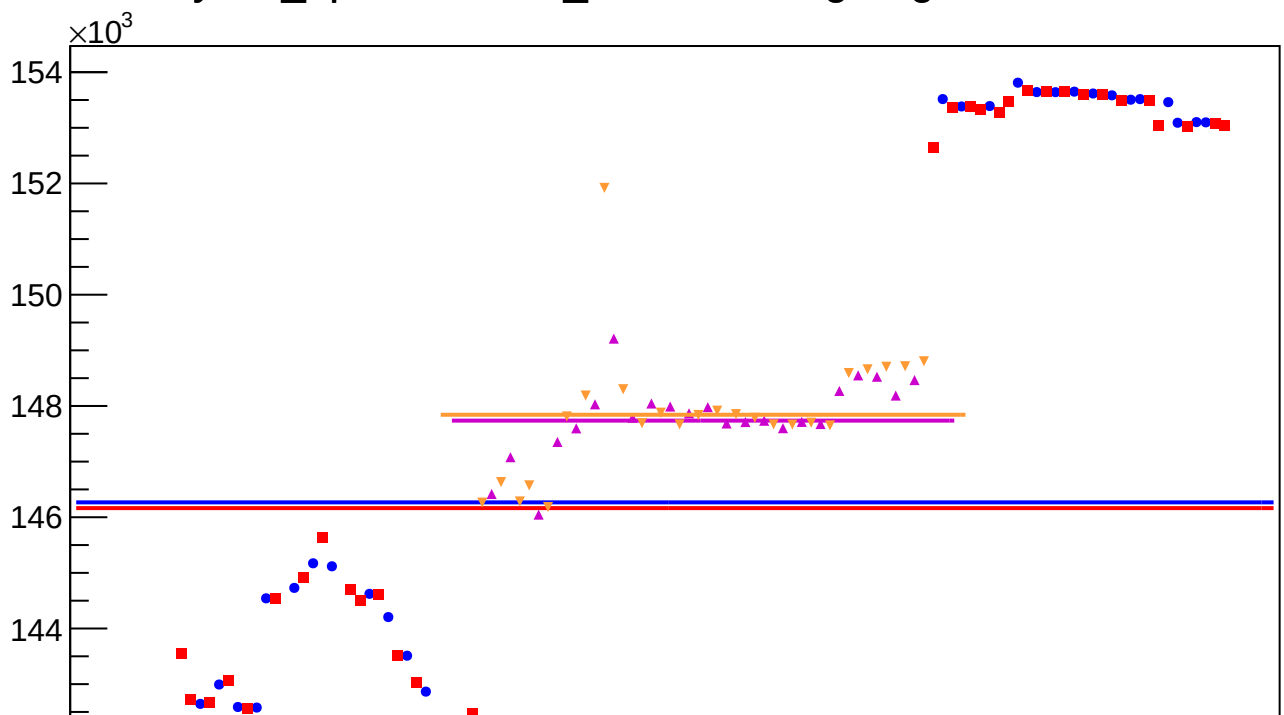
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 206.776+/-0.025 χ^2/NDF: 11475605.3/66

In: 211.498+/-0.026 χ^2/NDF:6331203.5/53

Out: 207.514+/-0.025 χ^2/NDF:7071212.6/60

All: 209.412+/-0.018 χ^2/NDF: 13414989.1/11



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: 146163.875+/-0.042 χ^2/NDF: 12387255213.5/35

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

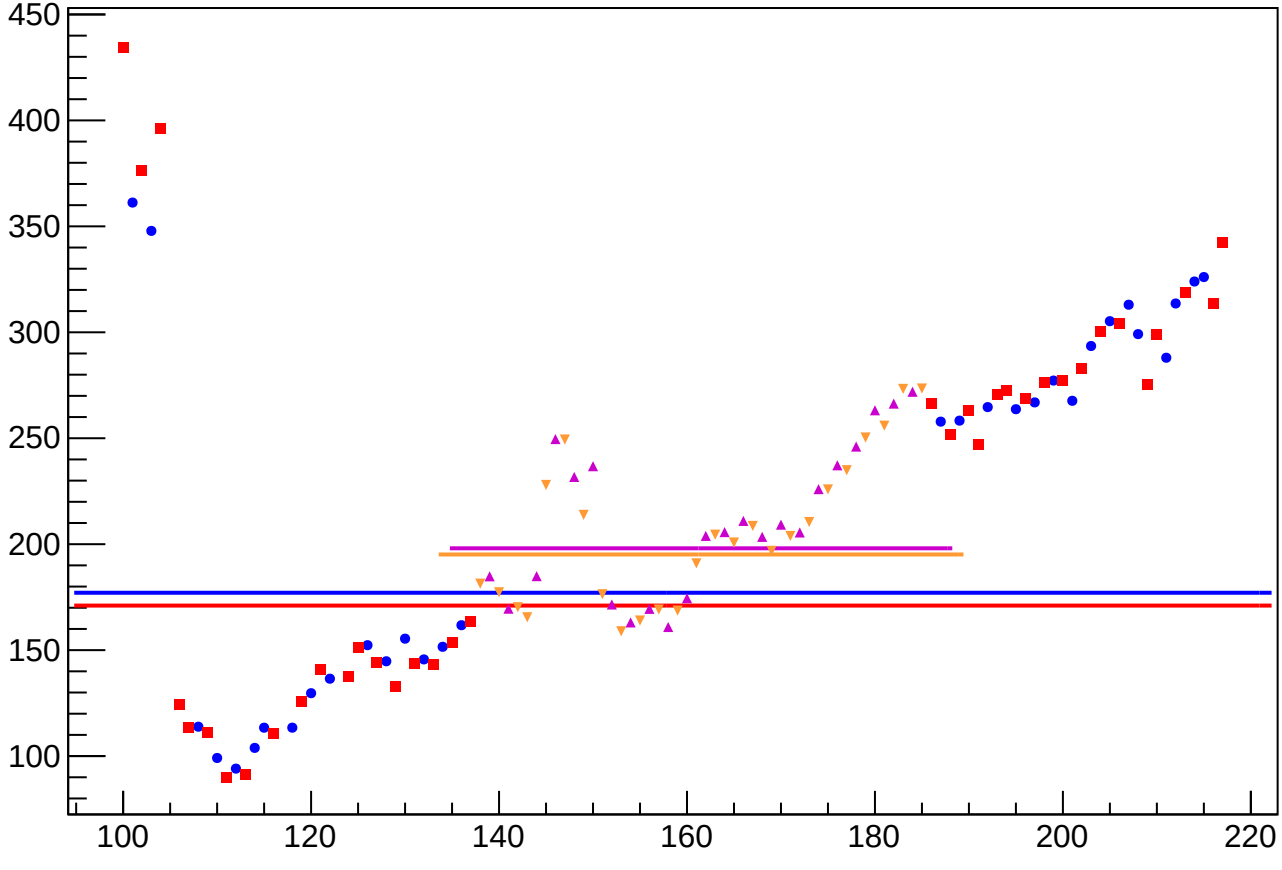
Right: 146212.367+/-0.031 χ^2/NDF: 23574946259.1

In: 146963.434+/-0.032 χ^2/NDF:11922303588.1/5

Out: 146943.435+/-0.031 χ^2/NDF:13840858683.0/

All: 146952.892+/-0.022 χ^2/NDF: 25763362

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: 171.030+/-0.030 χ^2/NDF: 7427306.3/35

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

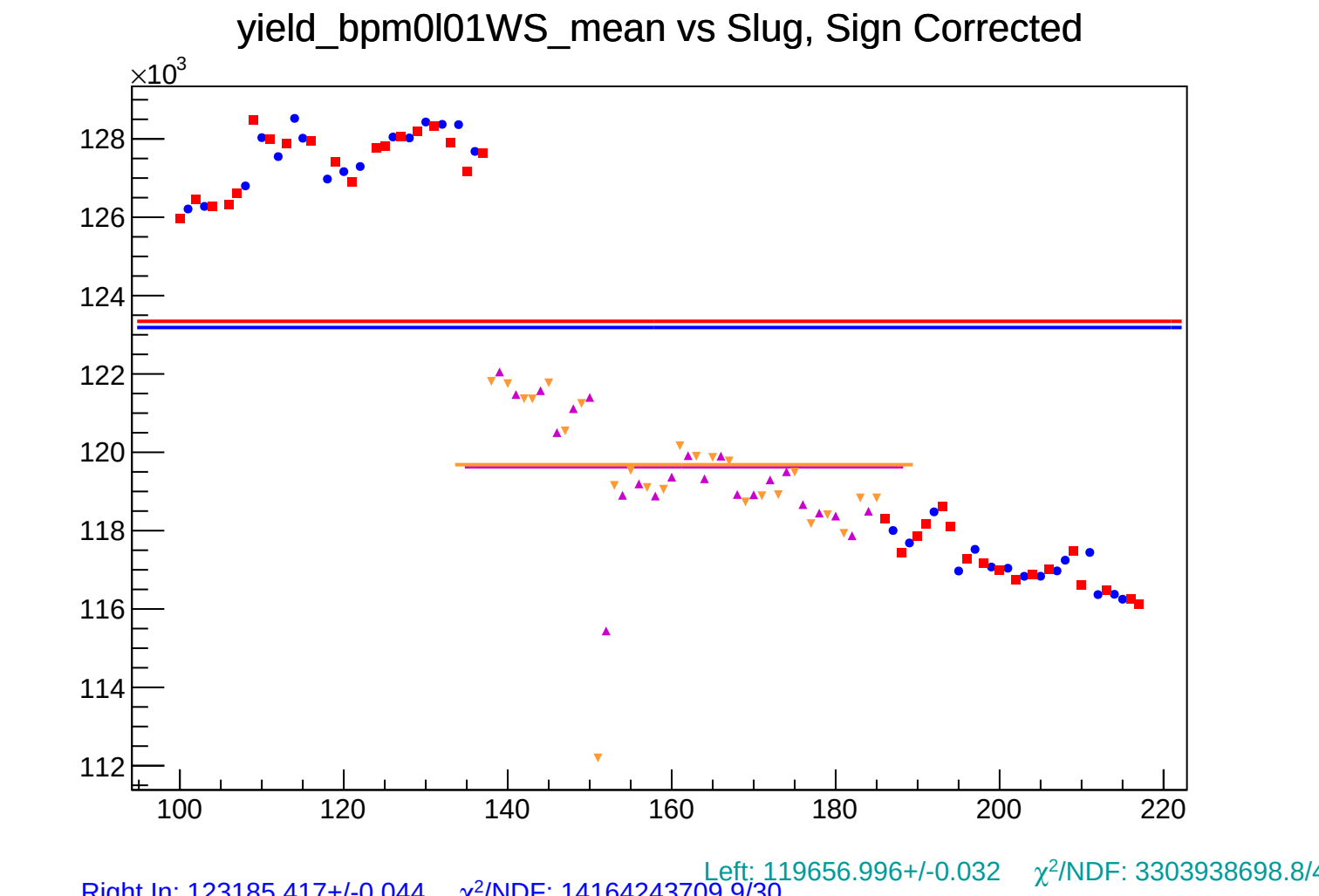
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 173.866+/-0.022 χ^2/NDF: 13897975.6/66

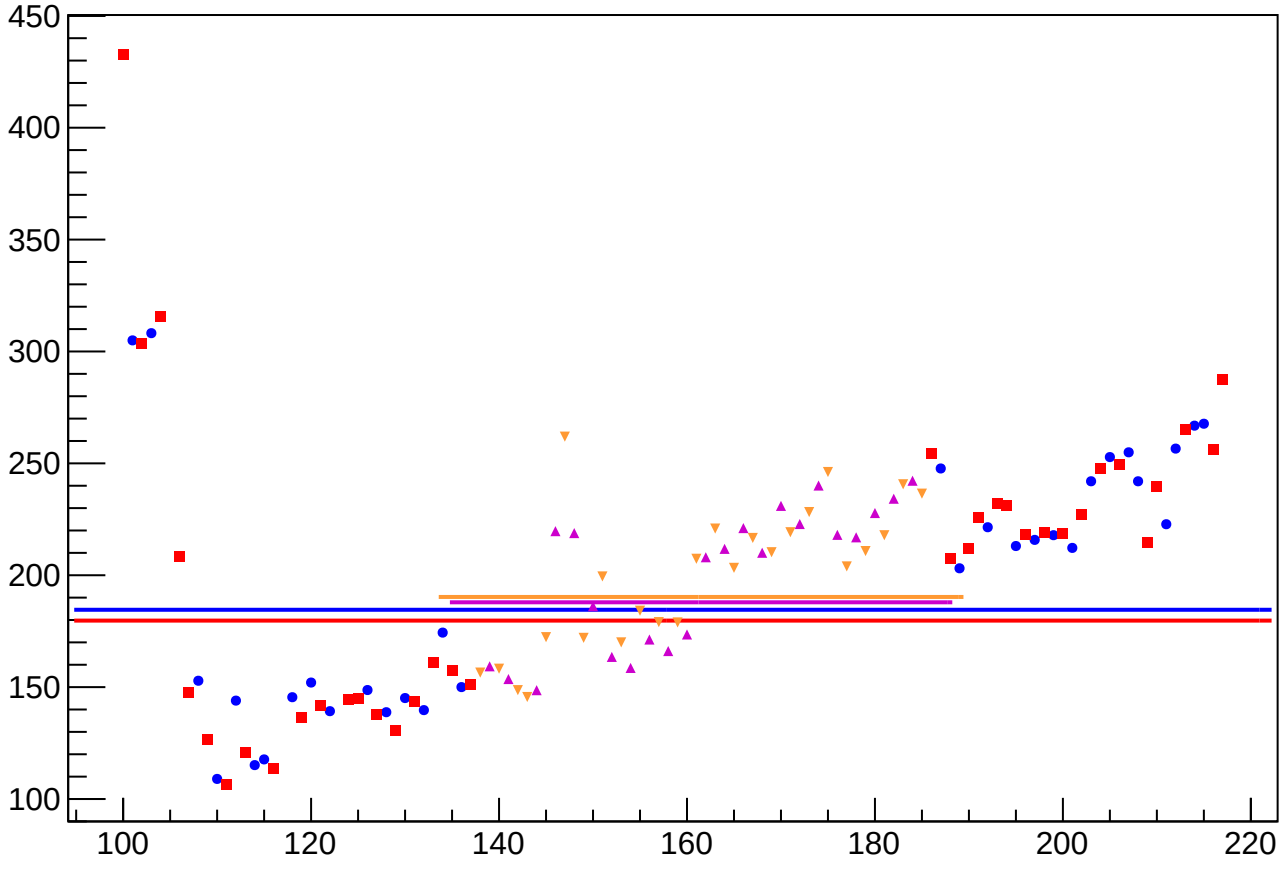
In: 187.019+/-0.023 χ^2/NDF:7559570.0/53

Out: 182.231+/-0.022 χ^2/NDF:8637107.2/60

All: 184.495+/-0.016 χ^2/NDF: 16219587.3/11


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: 123343.765+/-0.042 χ²/NDF: 15515771414.4/35
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
Left: 119656.996+/-0.032 χ²/NDF: 3303938698.8/4
Right: 123268.772+/-0.030 χ²/NDF: 29686777928.5
In: 121439.723+/-0.032 χ²/NDF:18661896297.7/5
Out: 121613.843+/-0.030 χ²/NDF:21107821876.1
All: 121529.845+/-0.022 χ²/NDF: 39785512

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: 179.732+/-0.030 χ^2/NDF: 3509059.3/35

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

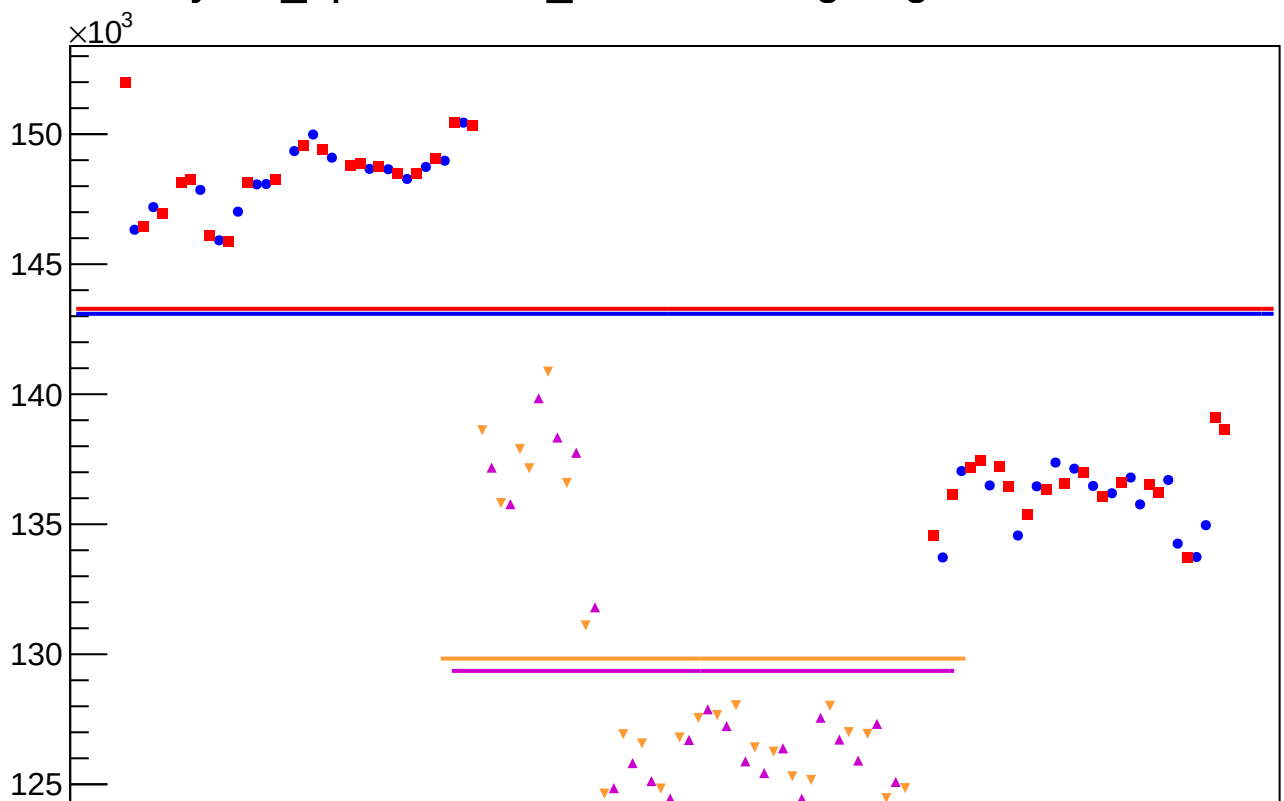
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 182.023+/-0.021 χ^2/NDF: 6306355.9/66

In: 186.210+/-0.022 χ^2/NDF:3716308.3/53

Out: 184.725+/-0.022 χ^2/NDF:4493698.1/60

All: 185.441+/-0.015 χ^2/NDF: 8212301.3/114



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: 143284.707+/-0.058 χ^2/NDF: 10515022870.0/35

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

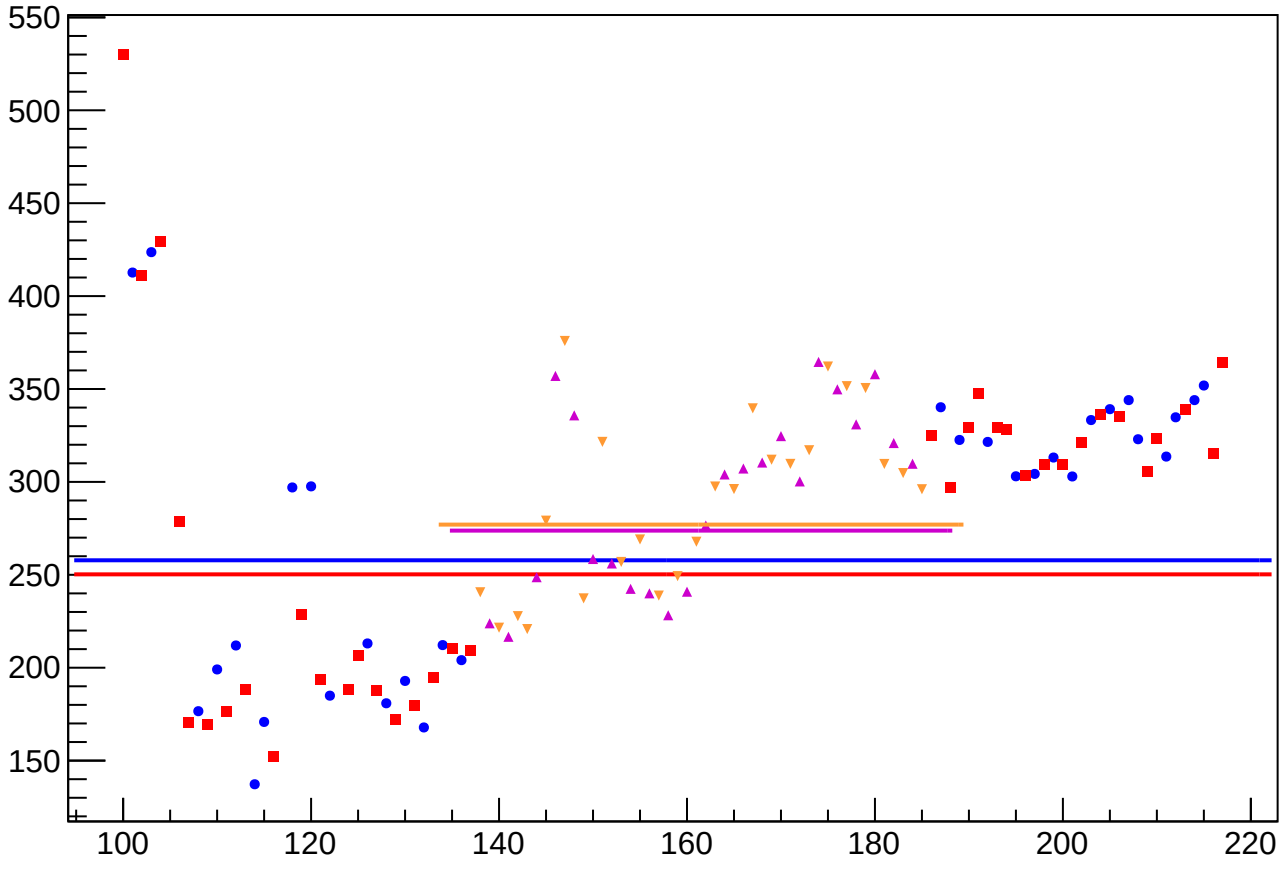
Right: 143194.086+/-0.042 χ^2/NDF: 21036523961.3

In: 136620.790+/-0.045 χ^2/NDF:40484666594.7/5

Out: 137222.981+/-0.043 χ^2/NDF:41420791243.3

All: 136933.972+/-0.031 χ^2/NDF: 819991556

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: 250.245+/-0.041 χ^2/NDF: 3204633.3/35

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

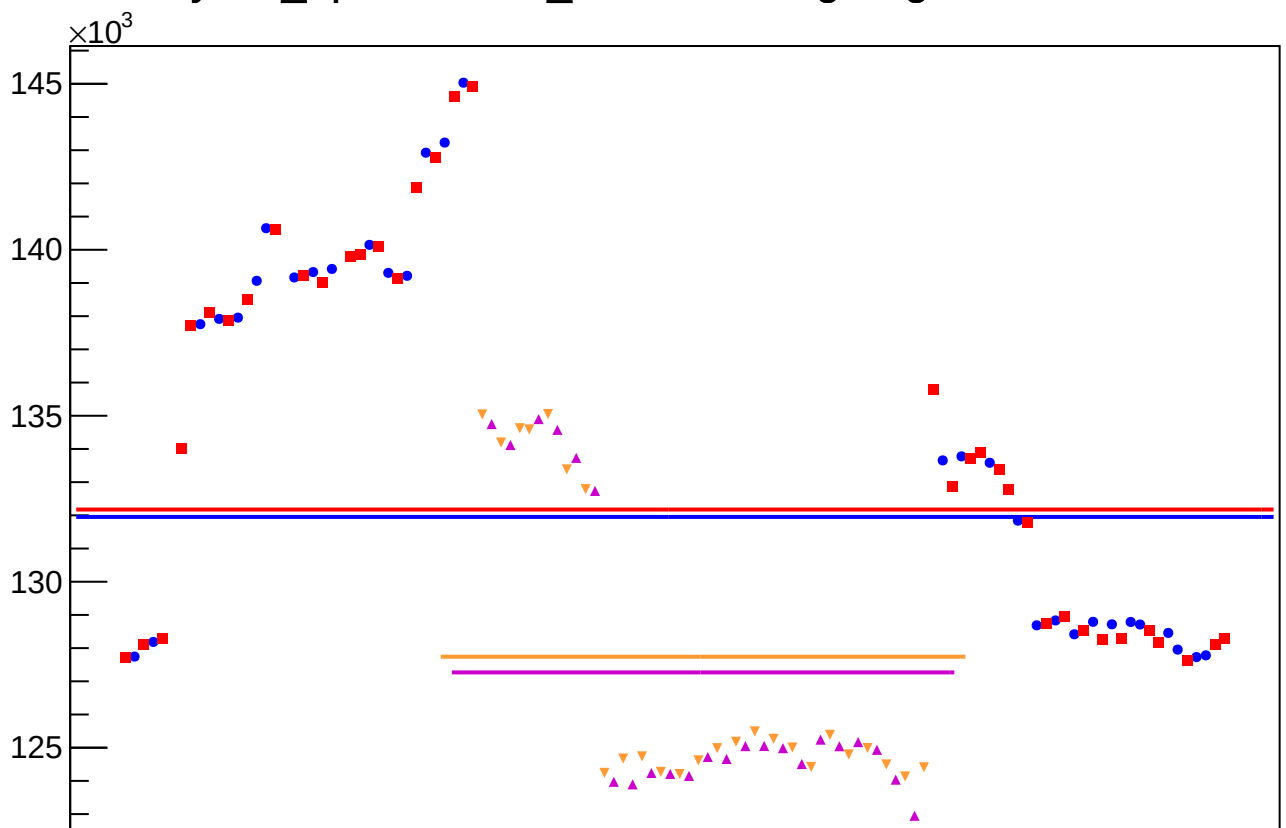
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 253.806+/-0.030 χ^2/NDF: 6018033.4/66

In: 265.341+/-0.032 χ^2/NDF:3864519.7/53

Out: 262.313+/-0.030 χ^2/NDF:4342343.3/60

All: 263.766+/-0.022 χ^2/NDF: 8211601.0/114



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: 132175.206+/-0.099 χ^2/NDF: 2210102566.9/35

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

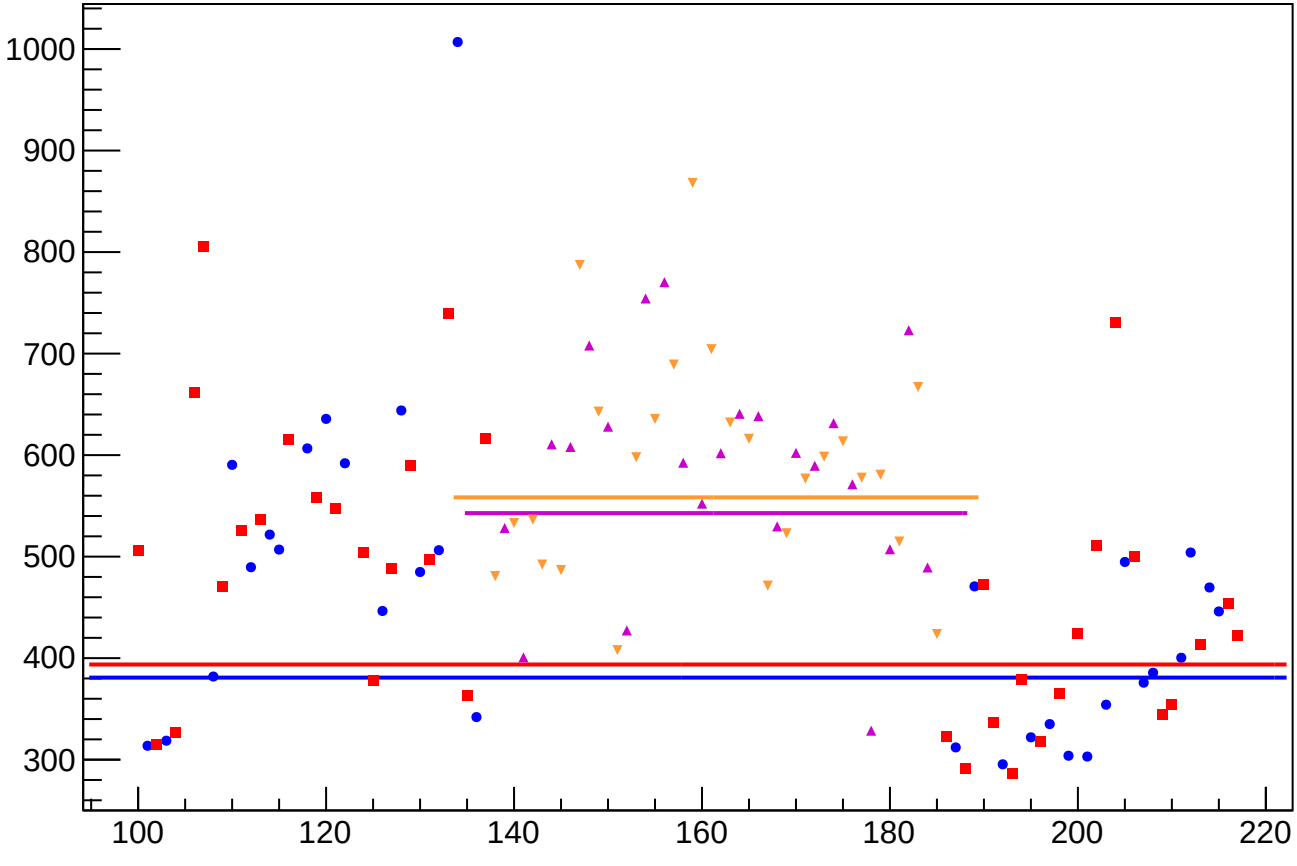
Right: 132063.113+/-0.070 χ^2/NDF: 5125940150.5/

In: 130383.764+/-0.080 χ^2/NDF:4644186646.0/53

Out: 130637.458+/-0.080 χ^2/NDF:4001318954.1/6

All: 130511.185+/-0.057 χ^2/NDF: 86505310

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: 393.753+/-0.070 χ^2/NDF: 2034453.1/35

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

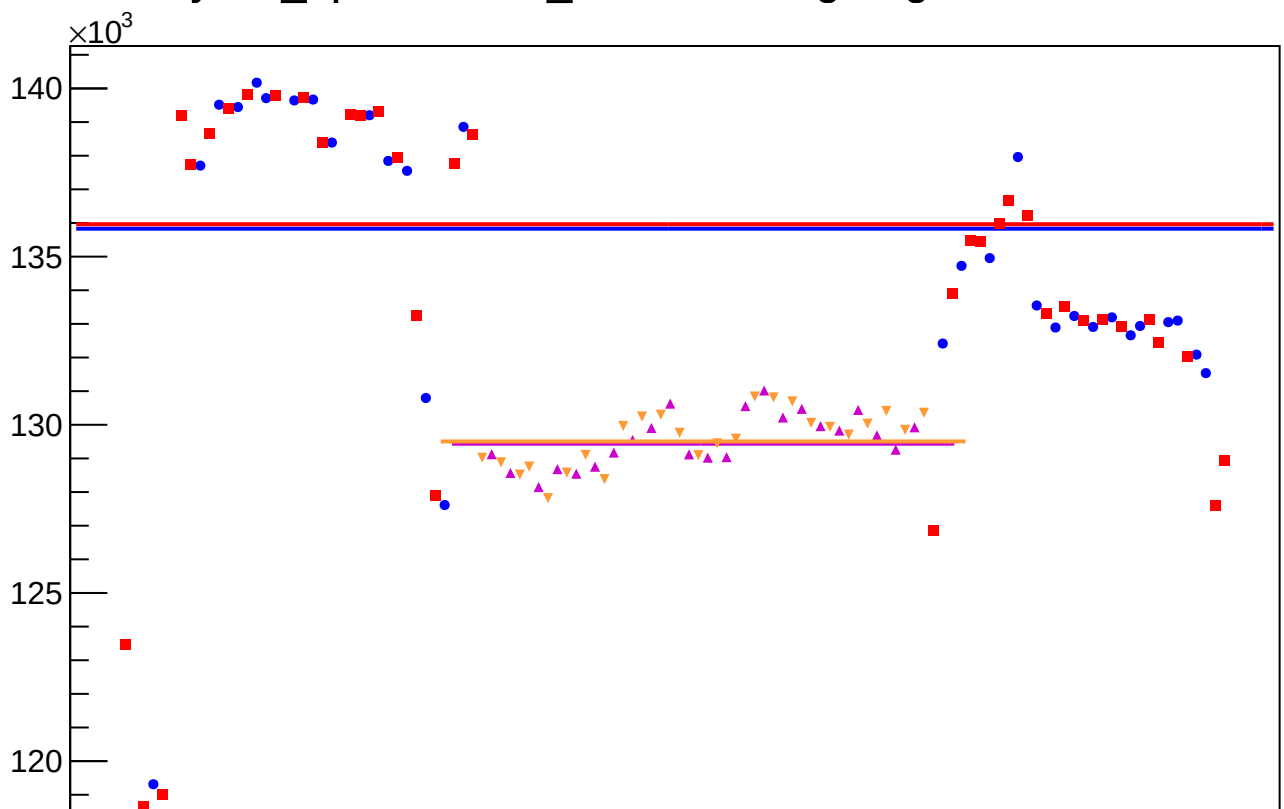
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 387.263+/-0.049 χ^2/NDF: 3810605.8/66

In: 435.091+/-0.057 χ^2/NDF:4993971.8/53

Out: 450.844+/-0.056 χ^2/NDF:4928821.8/60

All: 443.003+/-0.040 χ^2/NDF: 9961547.8/114



Right In: 135829.876+/-0.057 χ^2/NDF: 6843169922.6/30

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 135962.872+/-0.054 χ^2/NDF: 7799784929.8/35

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

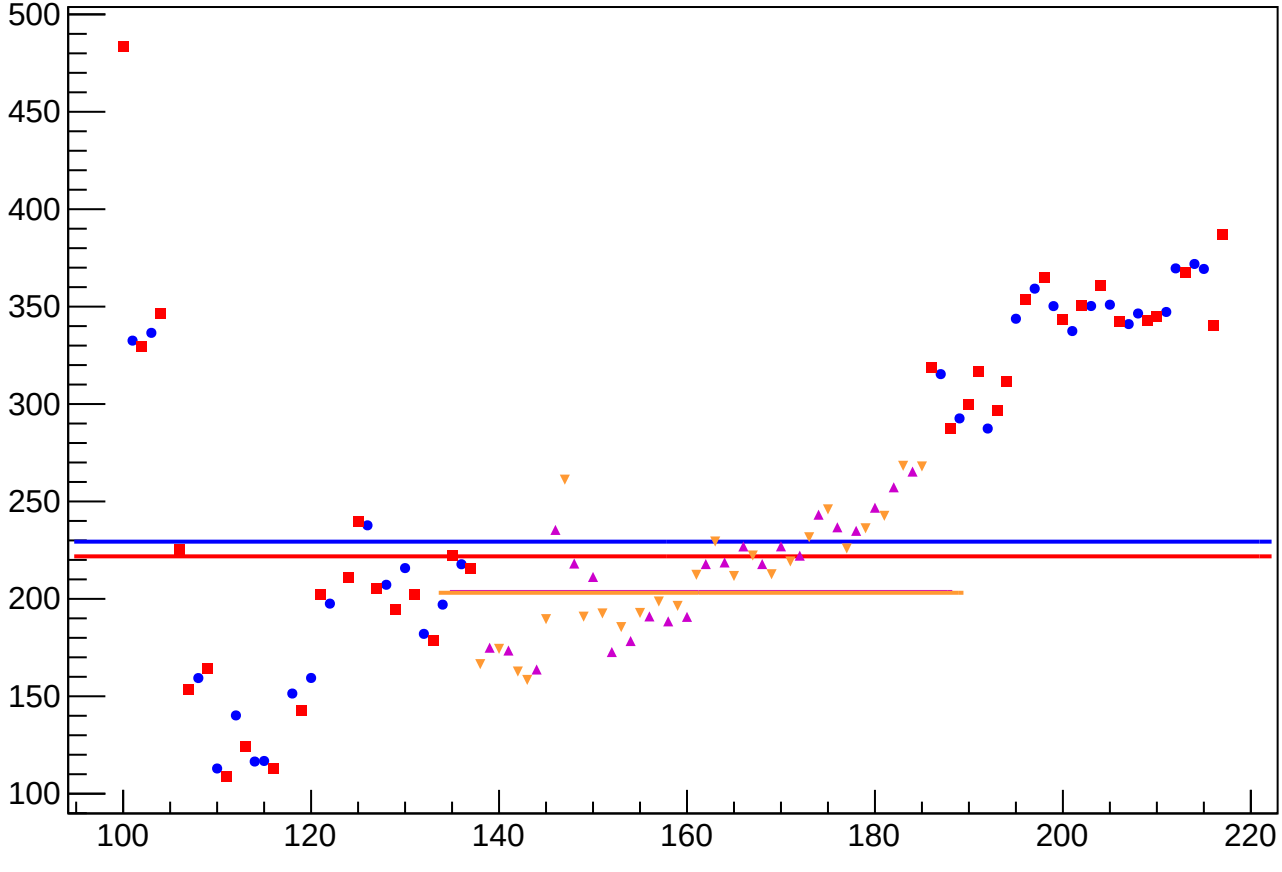
Right: 135900.313+/-0.039 χ^2/NDF: 14645838480.8

In: 132117.768+/-0.037 χ^2/NDF:14416568570.7/5

Out: 132305.053+/-0.035 χ^2/NDF:16286220497.3

All: 132215.390+/-0.026 χ^2/NDF: 307162118

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: 221.822+/-0.038 χ^2/NDF: 6029733.1/35

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

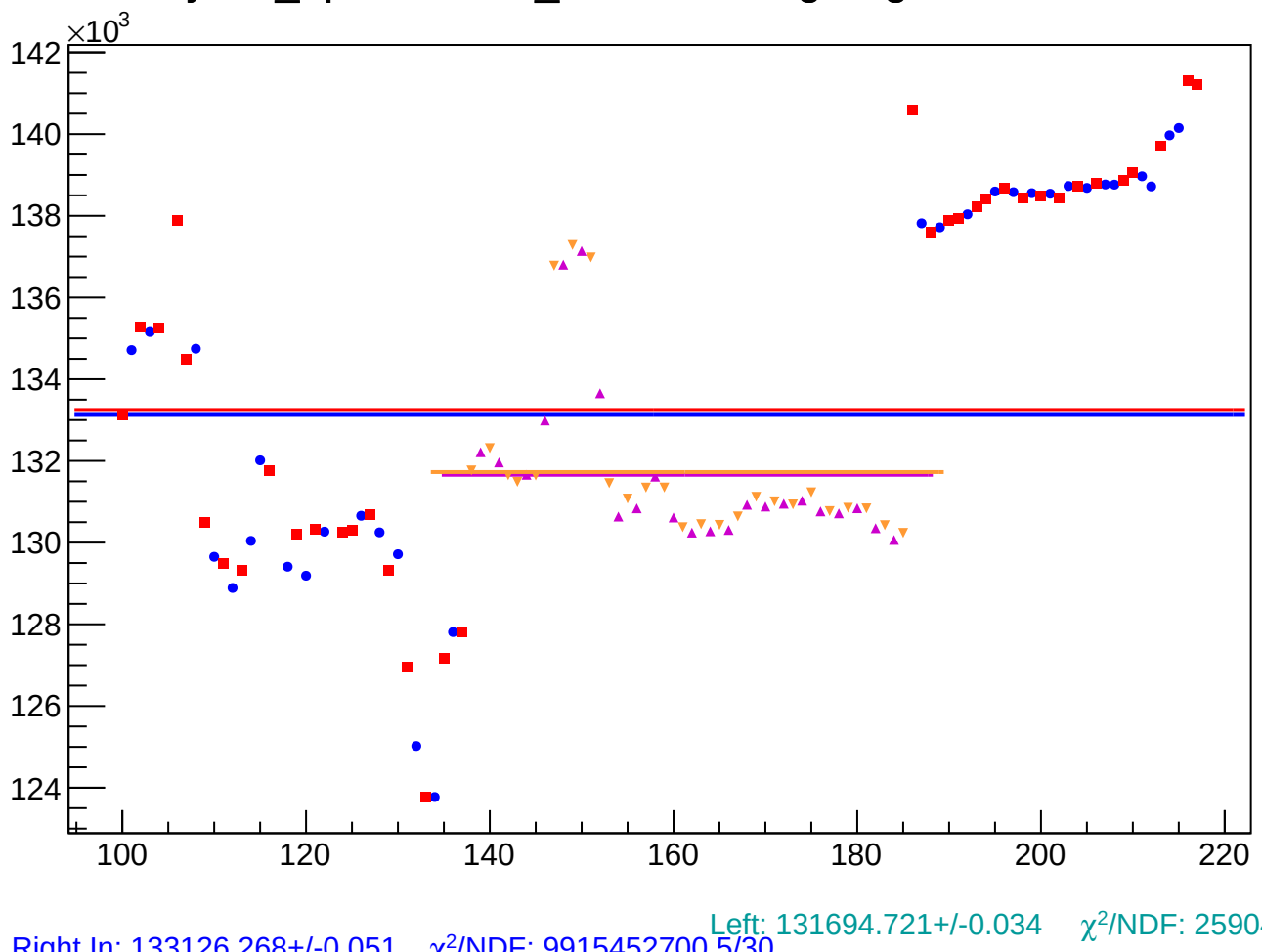
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 225.372+/-0.028 χ^2/NDF: 11179977.0/66

In: 214.373+/-0.026 χ^2/NDF:6036096.0/53

Out: 211.234+/-0.025 χ^2/NDF:6925378.4/60

All: 212.737+/-0.018 χ^2/NDF: 12969014.1/11



Right In: 133126.268+/-0.051 χ^2/NDF: 9915452700.5/30

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 133246.965+/-0.048 χ^2/NDF: 10459263295.3/35

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

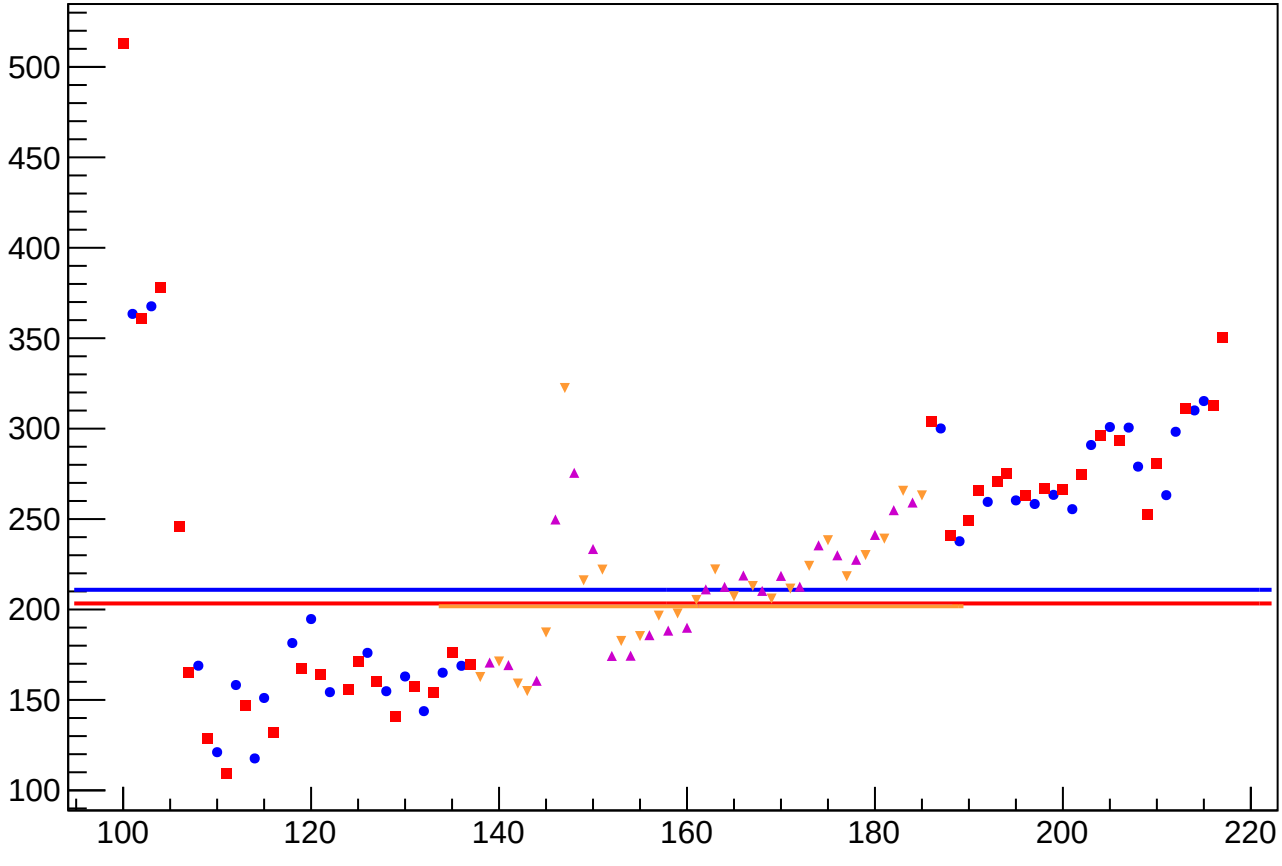
Right: 133190.159+/-0.035 χ^2/NDF: 20377678198.

In: 132351.359+/-0.035 χ^2/NDF:11516142709.7/5

Out: 132466.780+/-0.034 χ^2/NDF:12396613745.8

All: 132411.535+/-0.024 χ^2/NDF: 23918416

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: 203.340+/-0.034 χ^2/NDF: 4390820.2/35

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 206.895+/-0.025 χ^2/NDF: 7745191.4/66

In: 206.164+/-0.025 χ^2/NDF:4166378.0/53

Out: 202.548+/-0.024 χ^2/NDF:5297227.0/60

All: 204.279+/-0.017 χ^2/NDF: 9474714.7/114

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: 3939.121+/-0.005 χ^2/NDF: 6326130916238.7/35

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

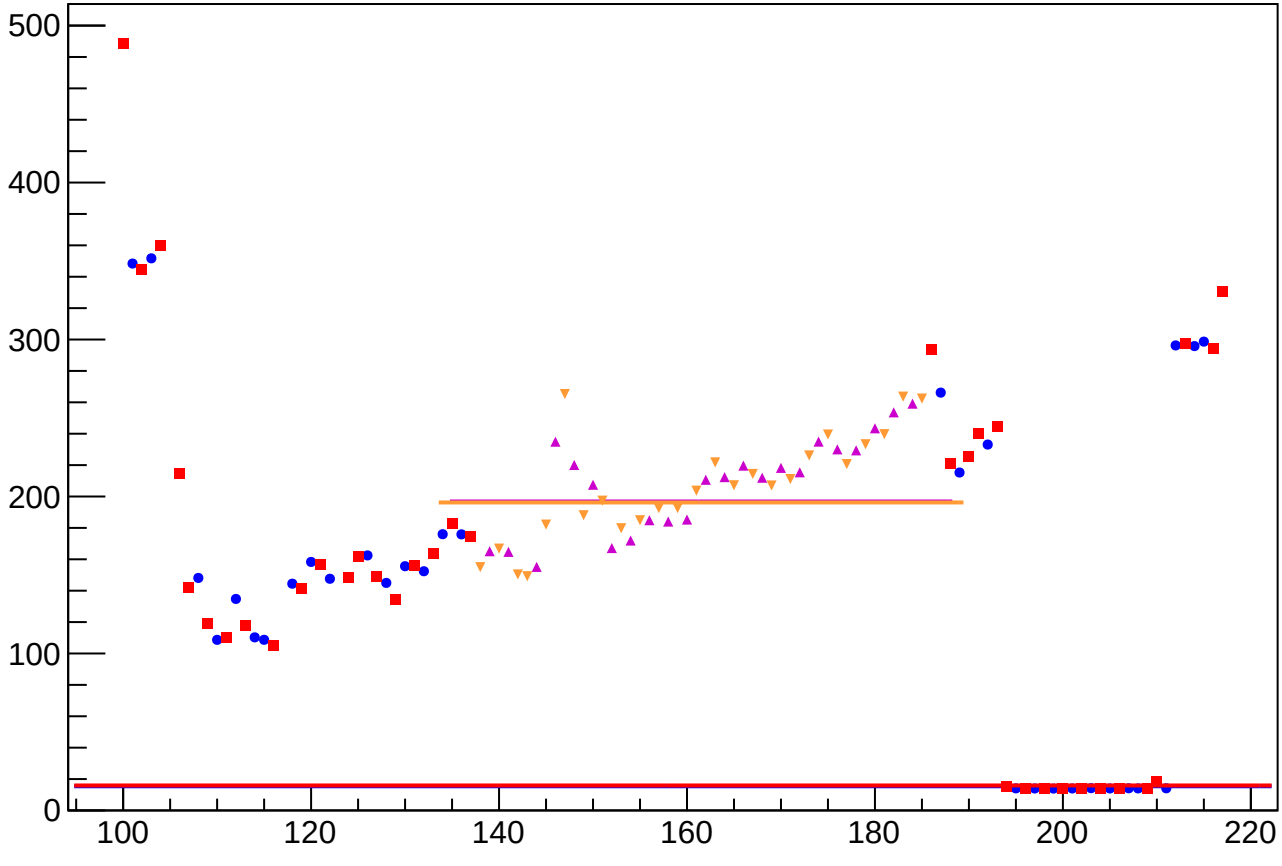
Right: 3696.480+/-0.004 χ^2/NDF: 11801915436016

In: 4926.694+/-0.005 χ^2/NDF:12528953120435.6

Out: 5710.794+/-0.005 χ^2/NDF:13783288509987.

All: 5289.636+/-0.004 χ^2/NDF: 2632351031

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: 15.919+/-0.004 χ^2/NDF: 21066196.9/35

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

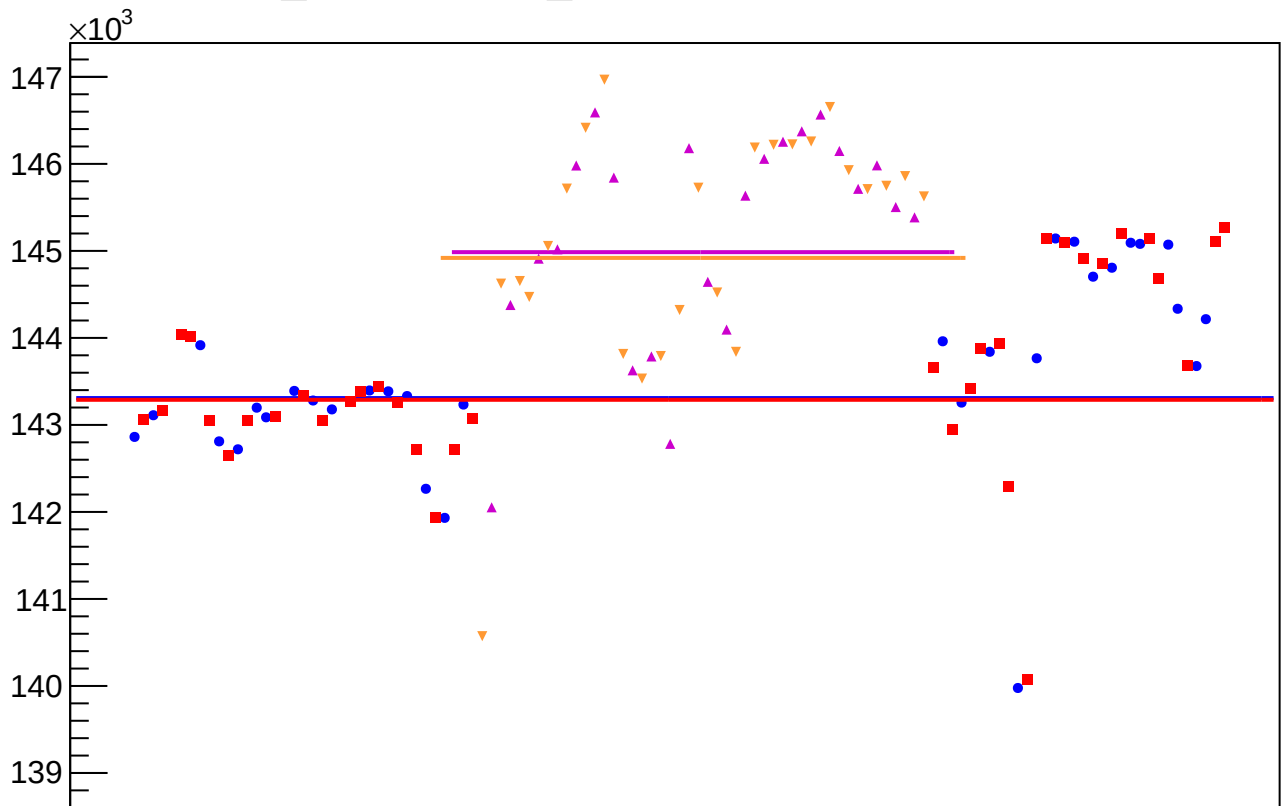
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.648+/-0.003 χ^2/NDF: 40235104.4/66

In: 17.498+/-0.004 χ^2/NDF:49521276.8/53

Out: 18.472+/-0.004 χ^2/NDF:52955645.9/60

All: 17.949+/-0.003 χ^2/NDF: 102511697.7/11



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: 143288.907+/-0.051 χ^2/NDF: 316207269.1/35

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

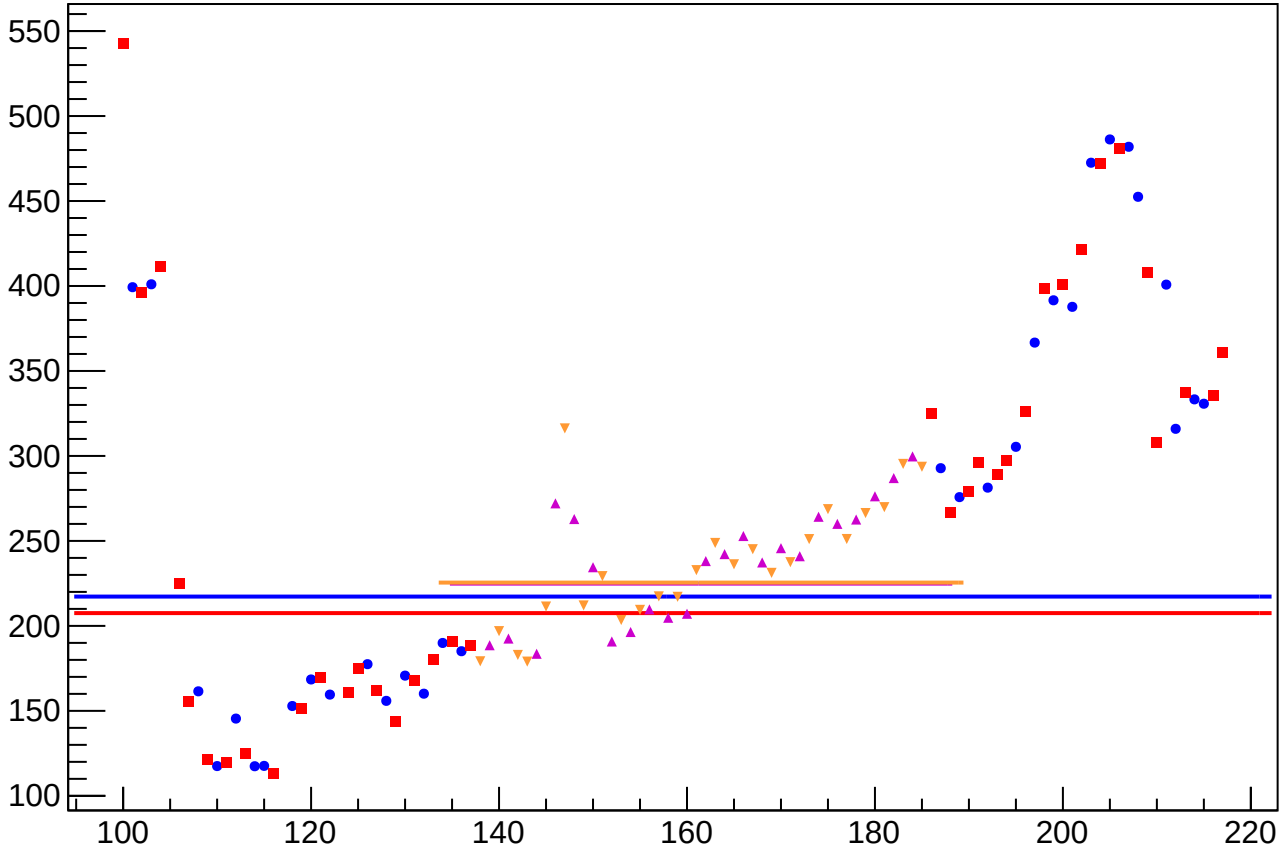
Right: 143297.924+/-0.038 χ^2/NDF: 592336072.7/6

In: 144171.273+/-0.038 χ^2/NDF:1370683255.7/53

Out: 144088.400+/-0.037 χ^2/NDF:1648431331.6/6

All: 144127.788+/-0.026 χ^2/NDF: 30215549

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: 207.524+/-0.036 χ^2/NDF: 7475935.0/35

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

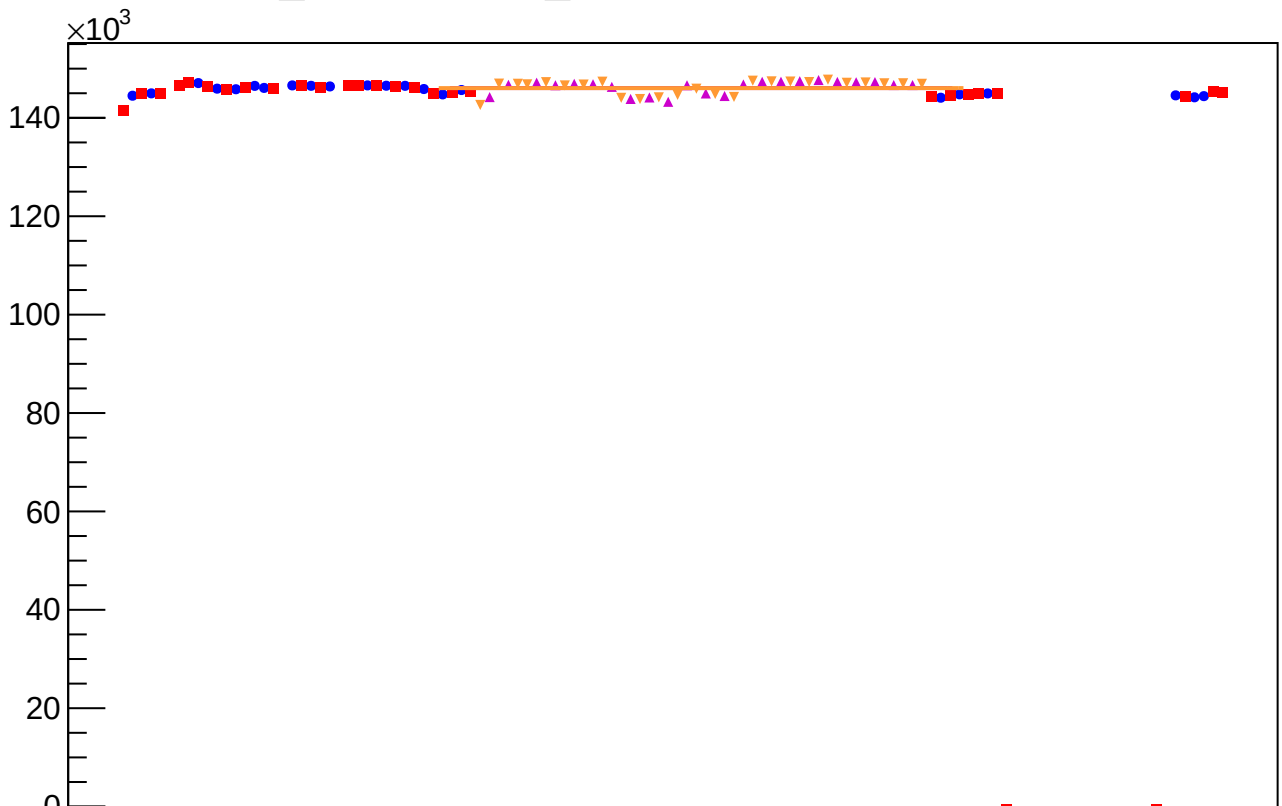
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 212.028+/-0.027 χ^2/NDF: 14161650.3/66

In: 221.169+/-0.027 χ^2/NDF:7395798.0/53

Out: 216.327+/-0.026 χ^2/NDF:8371752.3/60

All: 218.628+/-0.019 χ^2/NDF: 15784207.5/1



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: -839.961+/-0.003 χ^2/NDF: 6924681581717.4/35

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

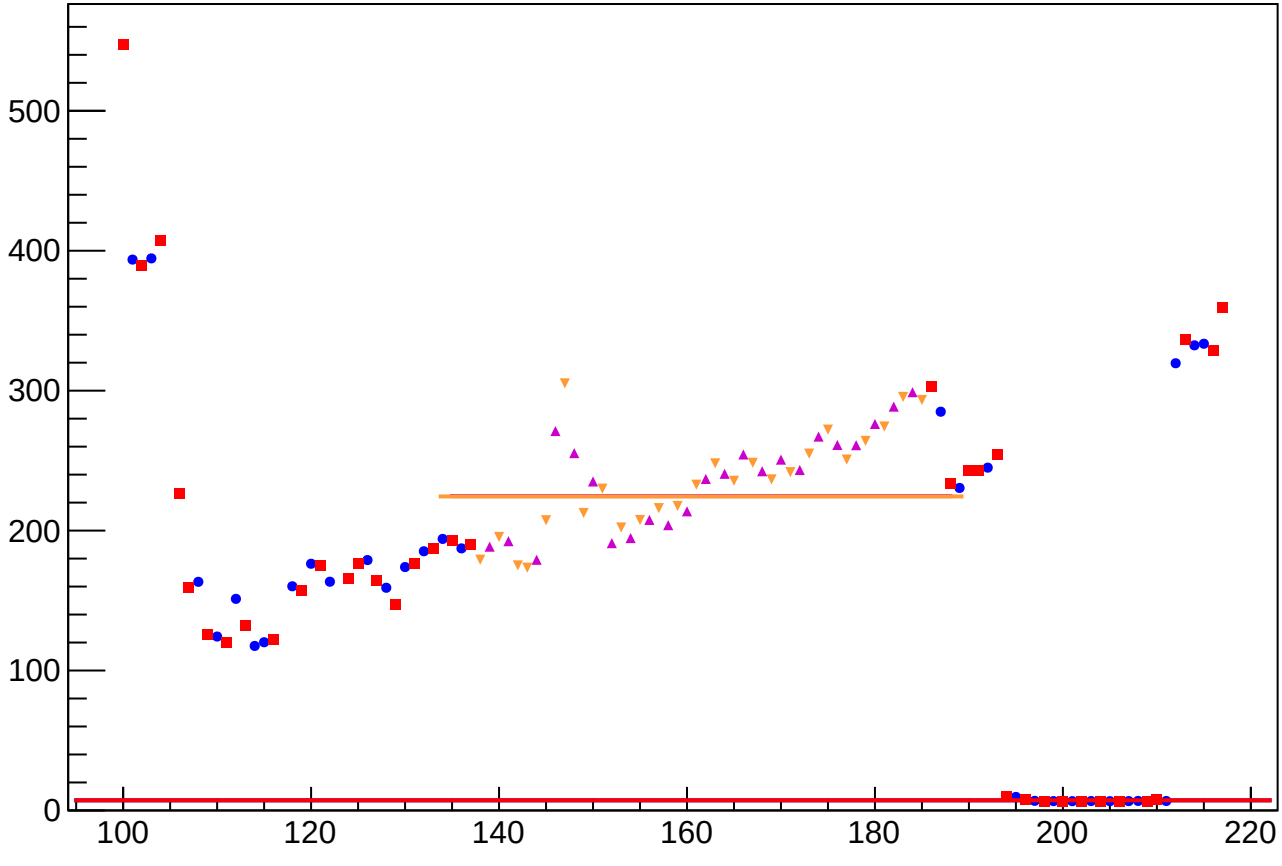
Right: -895.571+/-0.002 χ^2/NDF: 12815508307621

In: -623.483+/-0.003 χ^2/NDF:13406626226707.1/

Out: -449.466+/-0.003 χ^2/NDF:14880040939042.0

All: -542.546+/-0.002 χ^2/NDF: 2828891947

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: 7.280+/-0.002 χ^2/NDF: 23267144.6/35

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

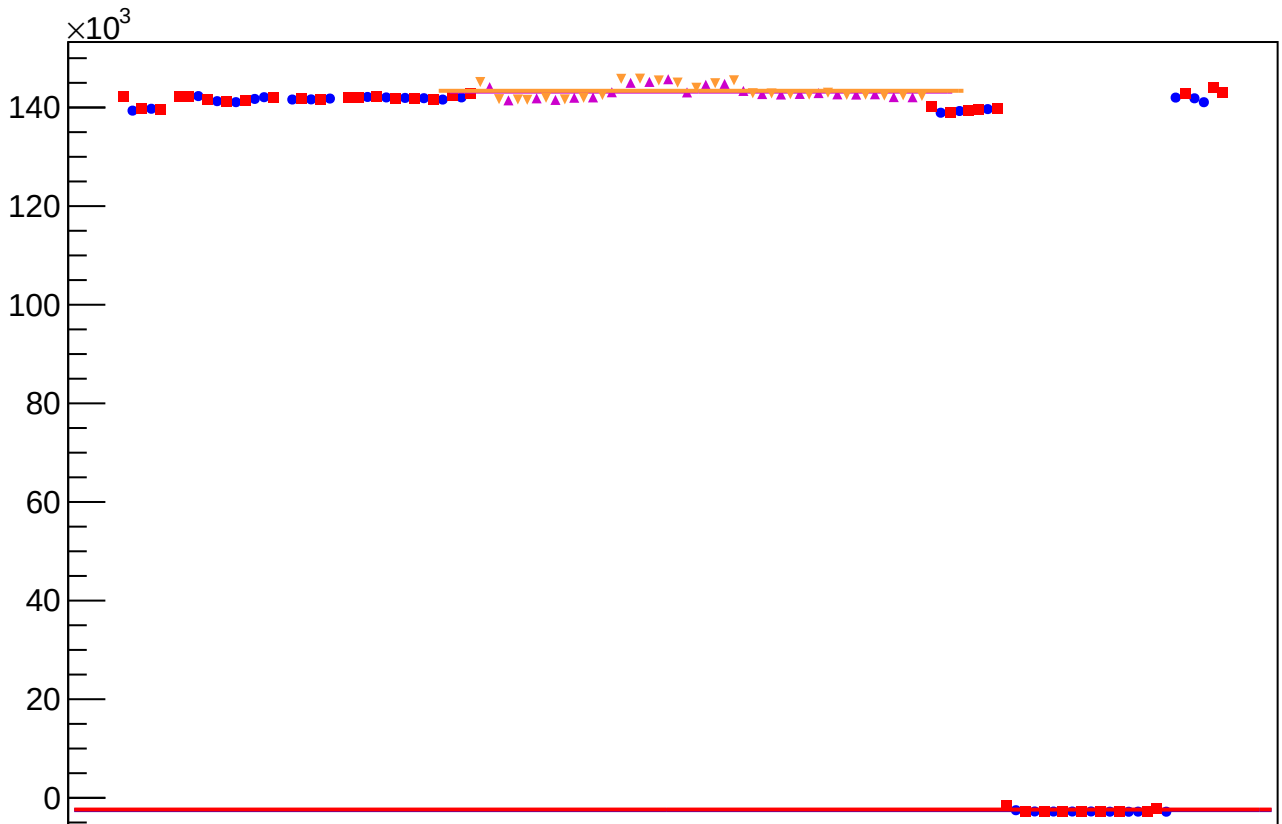
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.244+/-0.001 χ^2/NDF: 44414660.3/66

In: 7.687+/-0.002 χ^2/NDF:54793472.0/53

Out: 7.857+/-0.002 χ^2/NDF:58880965.2/60

All: 7.766+/-0.001 χ^2/NDF: 113678752.4/114



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: -2376.738+/-0.003 χ^2/NDF: 6240320048334.6/35

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

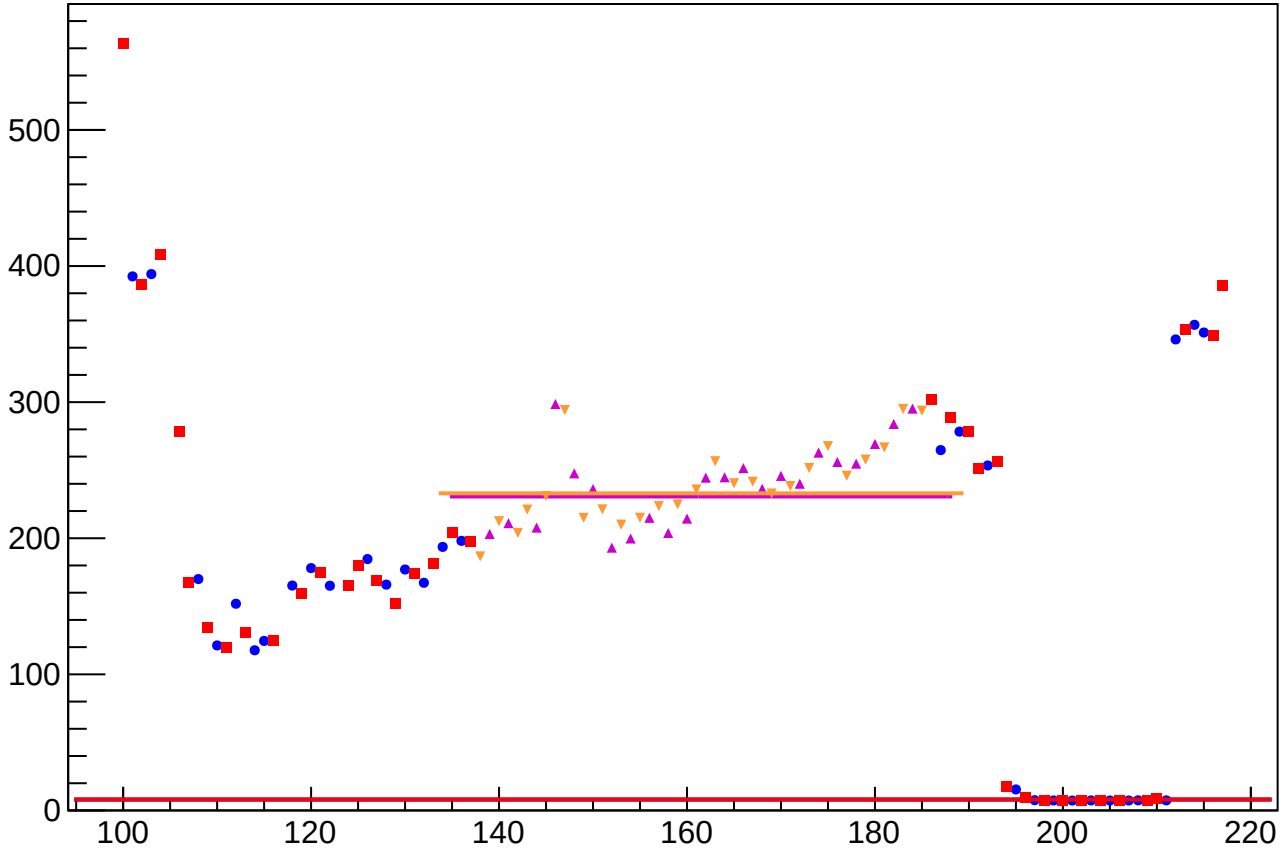
Right: -2435.546+/-0.002 χ^2/NDF: 1164599927347

In: -2108.536+/-0.003 χ^2/NDF:12449339518365.4

Out: -1922.656+/-0.003 χ^2/NDF:13590537838489

All: -2022.118+/-0.002 χ^2/NDF: 2604193662

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: 8.090+/-0.002 χ^2/NDF: 23298580.9/35

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

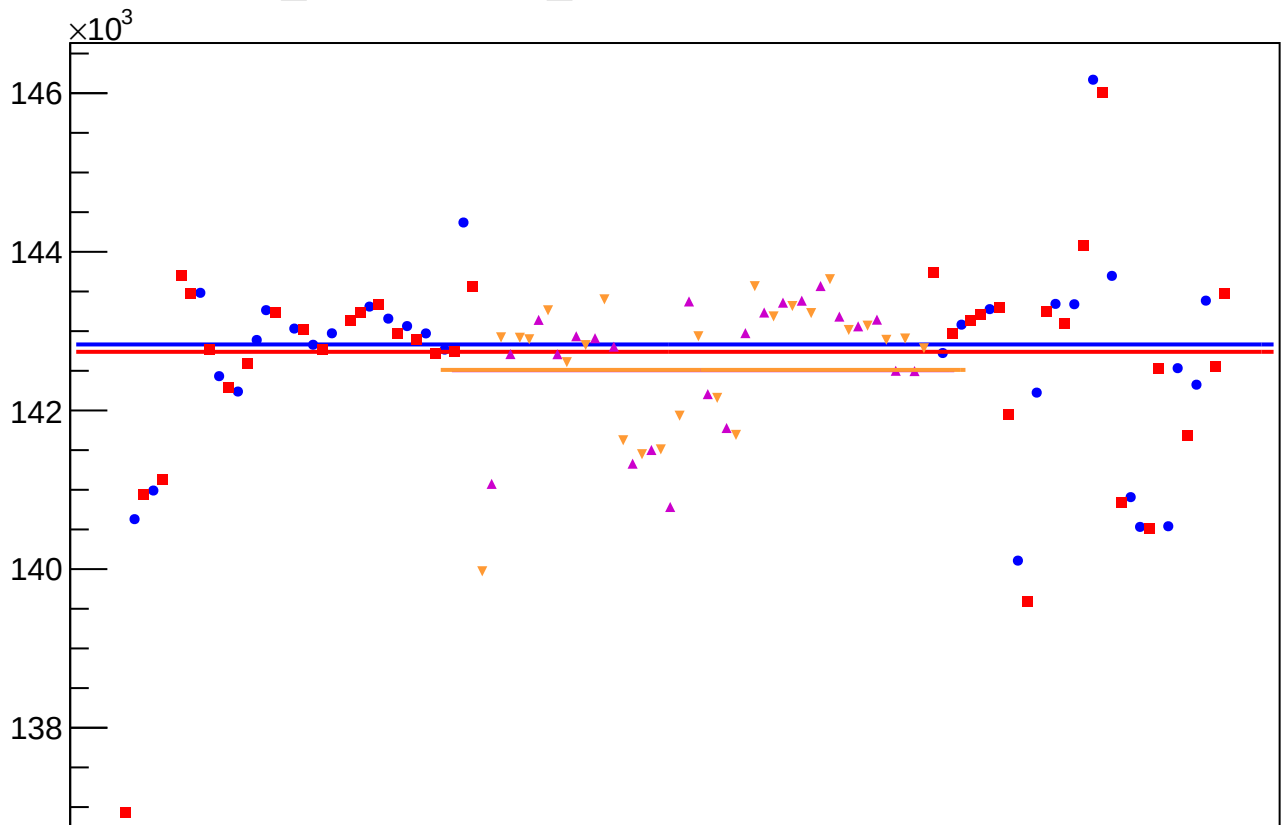
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.039+/-0.001 χ^2/NDF: 44589522.0/66

In: 8.574+/-0.002 χ^2/NDF:54709683.6/53

Out: 8.790+/-0.002 χ^2/NDF:58741737.0/60

All: 8.674+/-0.001 χ^2/NDF: 113457001.7/114



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: 142739.399+/-0.053 χ^2/NDF: 250813101.0/35

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

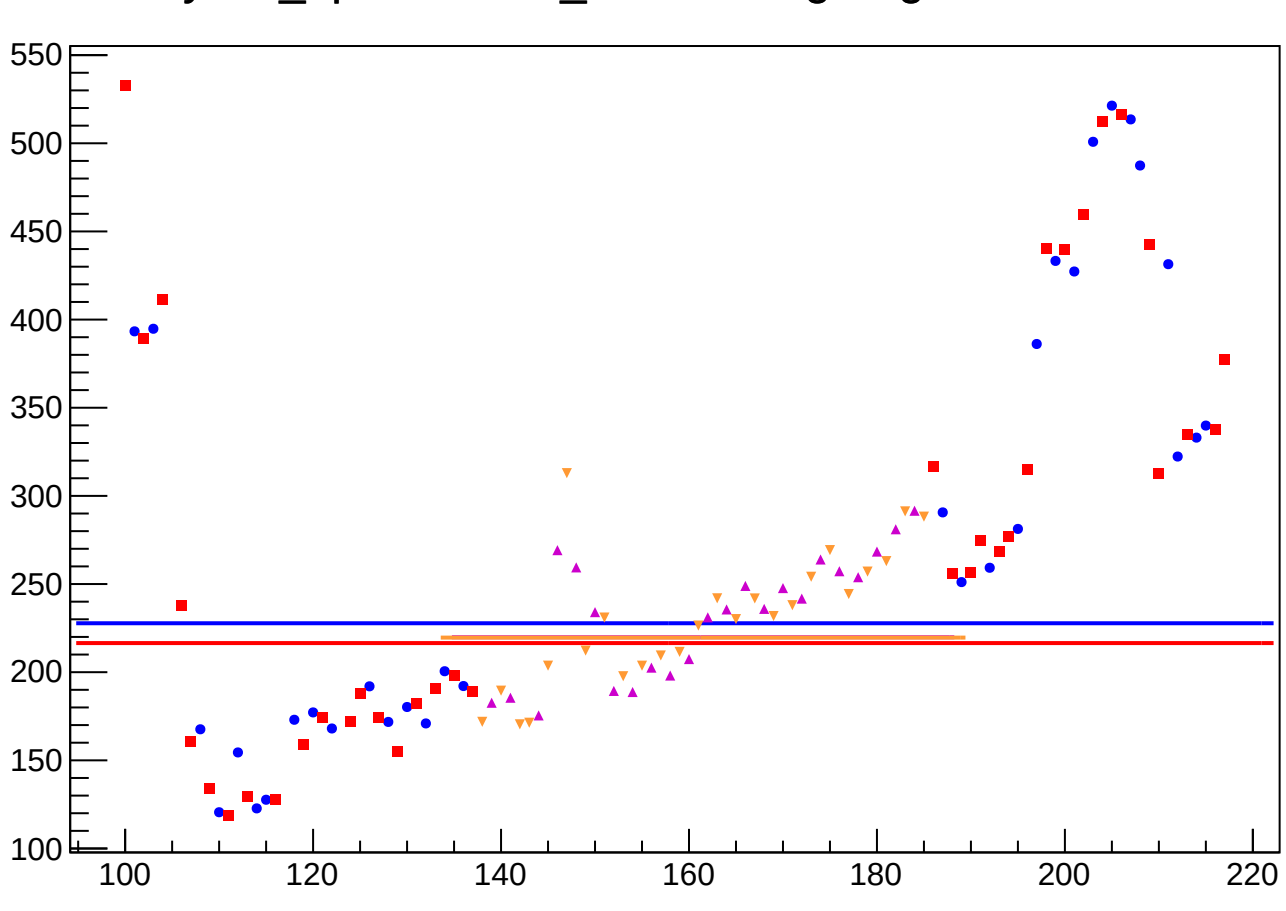
Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

Right: 142782.114+/-0.039 χ^2/NDF: 552598328.8/6

In: 142654.553+/-0.039 χ^2/NDF:587036690.9/53

Out: 142620.429+/-0.037 χ^2/NDF:598497696.3/60

All: 142636.587+/-0.027 χ^2/NDF: 11859422



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: 216.514+/-0.038 χ^2/NDF: 7057867.8/35

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

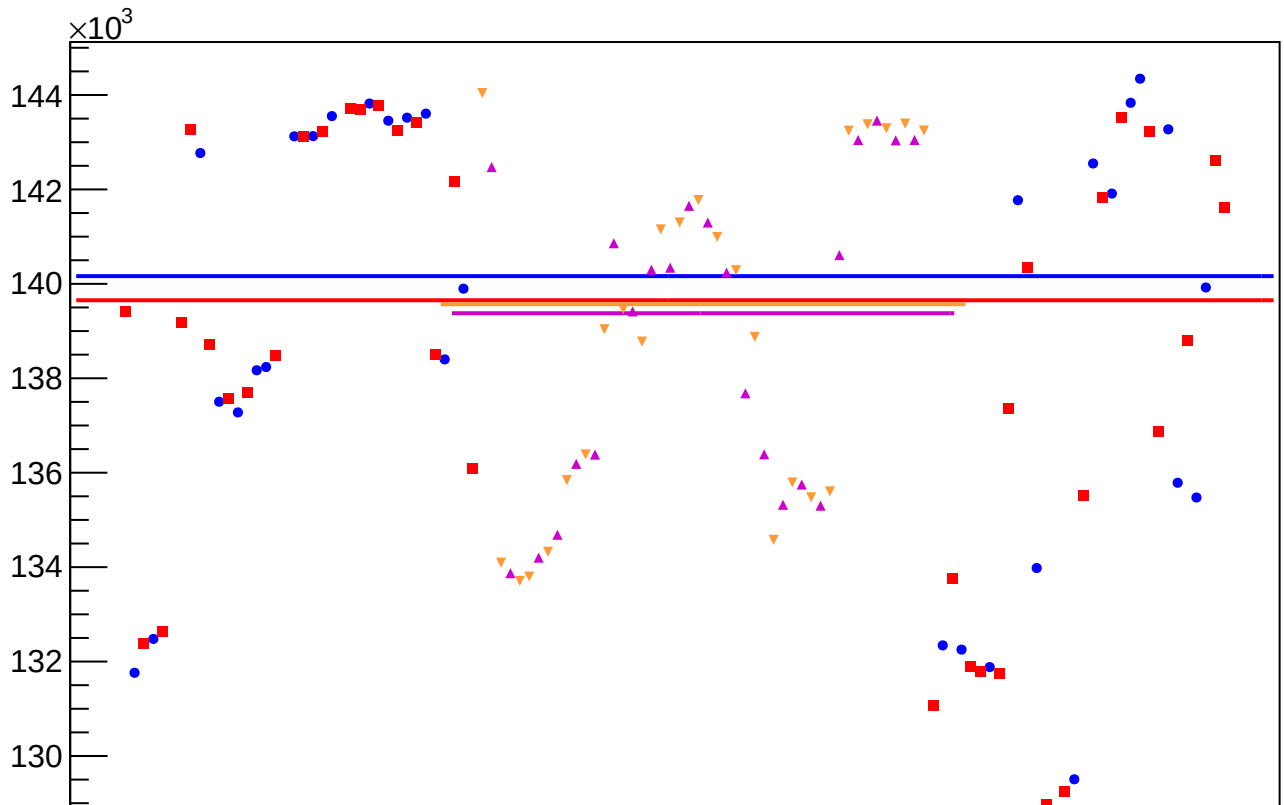
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 221.685+/-0.028 χ^2/NDF: 13430610.8/66

In: 223.411+/-0.027 χ^2/NDF:7157910.3/53

Out: 218.133+/-0.026 χ^2/NDF:7963452.0/60

All: 220.632+/-0.019 χ^2/NDF: 15140874.8/11



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: 139652.405+/-0.080 χ^2/NDF: 2863974657.8/35

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

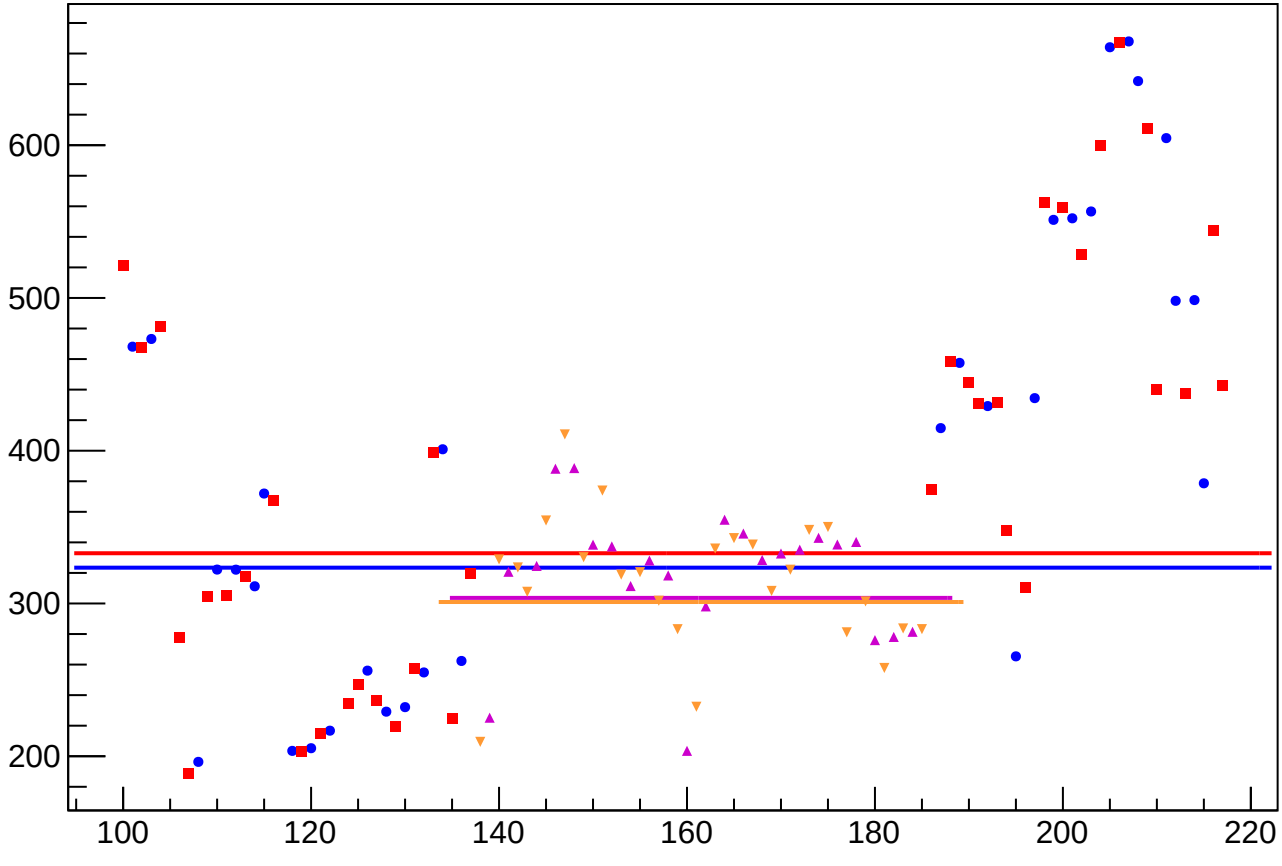
Right: 139903.933+/-0.057 χ^2/NDF: 5686661378.8/

In: 139730.164+/-0.054 χ^2/NDF:4775906170.0/53

Out: 139605.243+/-0.053 χ^2/NDF:5451236024.6/6

All: 139665.838+/-0.038 χ^2/NDF: 10229880

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 323.443+/-0.057 χ^2/NDF: 5276778.0/30

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 332.887+/-0.056 χ^2/NDF: 4844379.0/35

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

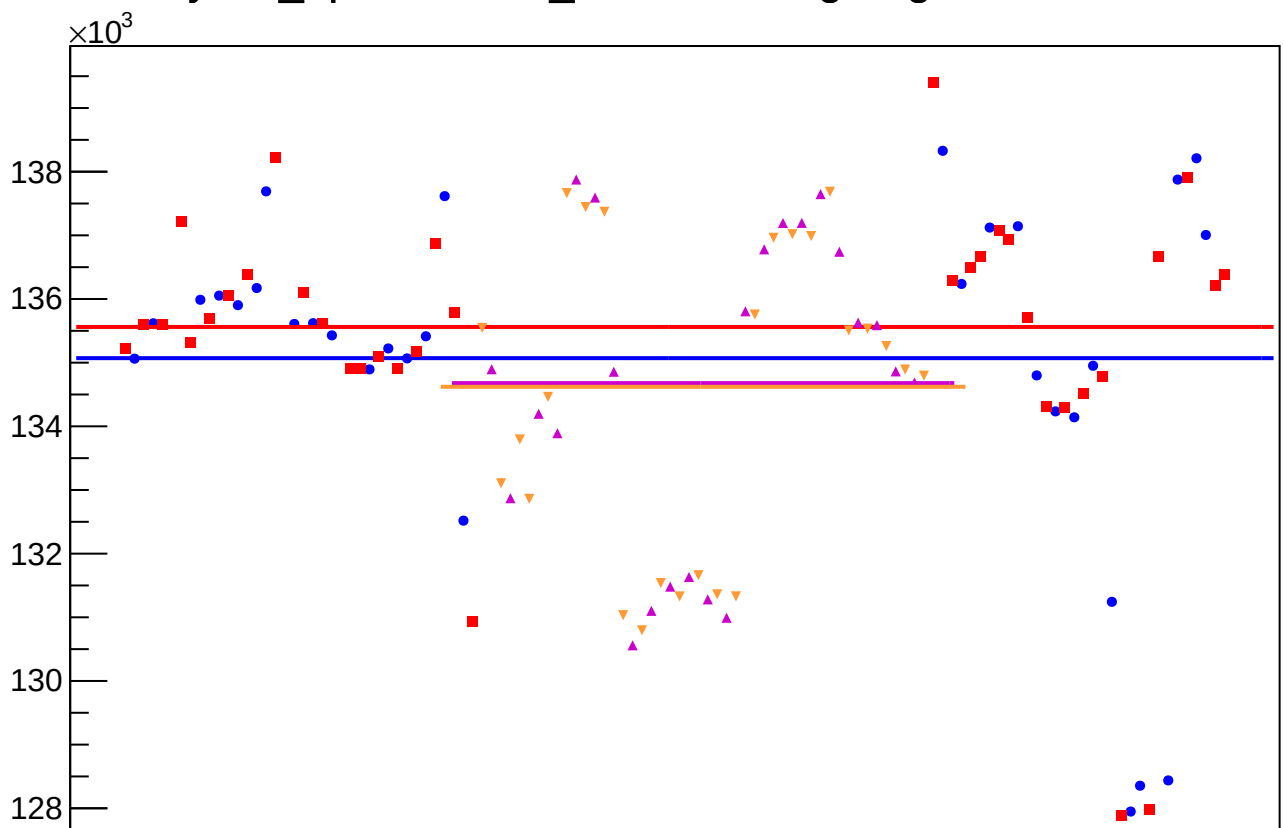
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 328.240+/-0.040 χ^2/NDF: 10135007.3/66

In: 312.533+/-0.038 χ^2/NDF:6319014.0/53

Out: 314.890+/-0.037 χ^2/NDF:5902588.5/60

All: 313.747+/-0.027 χ^2/NDF: 12223552.0/11



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: 135561.082+/-0.070 χ^2/NDF: 785303504.1/35

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

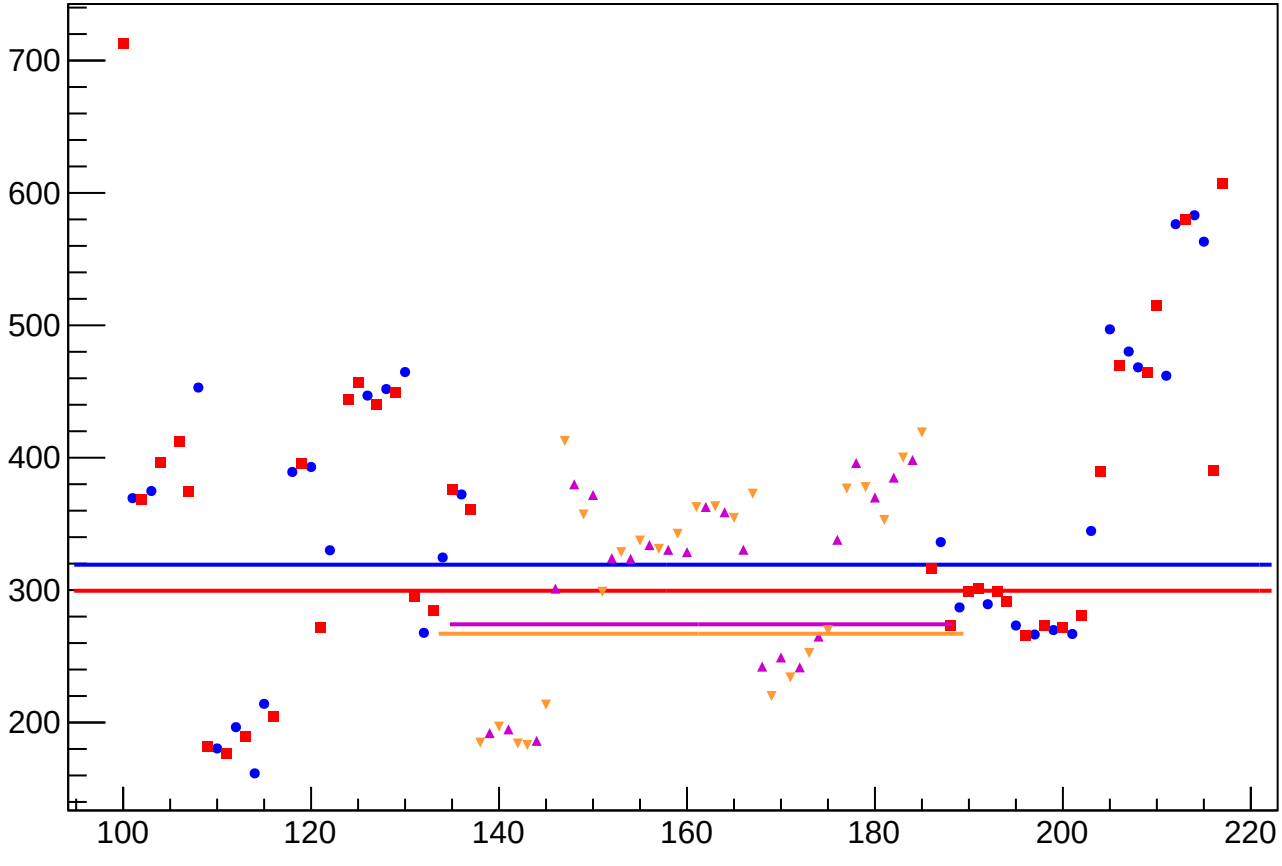
Right: 135339.179+/-0.052 χ^2/NDF: 1701367655.0/

In: 134846.797+/-0.051 χ^2/NDF:2005063496.5/53

Out: 135045.618+/-0.047 χ^2/NDF:2085065430.5/6

All: 134953.039+/-0.034 χ^2/NDF: 40983296

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: 299.522+/-0.050 χ^2/NDF: 3752157.4/35

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

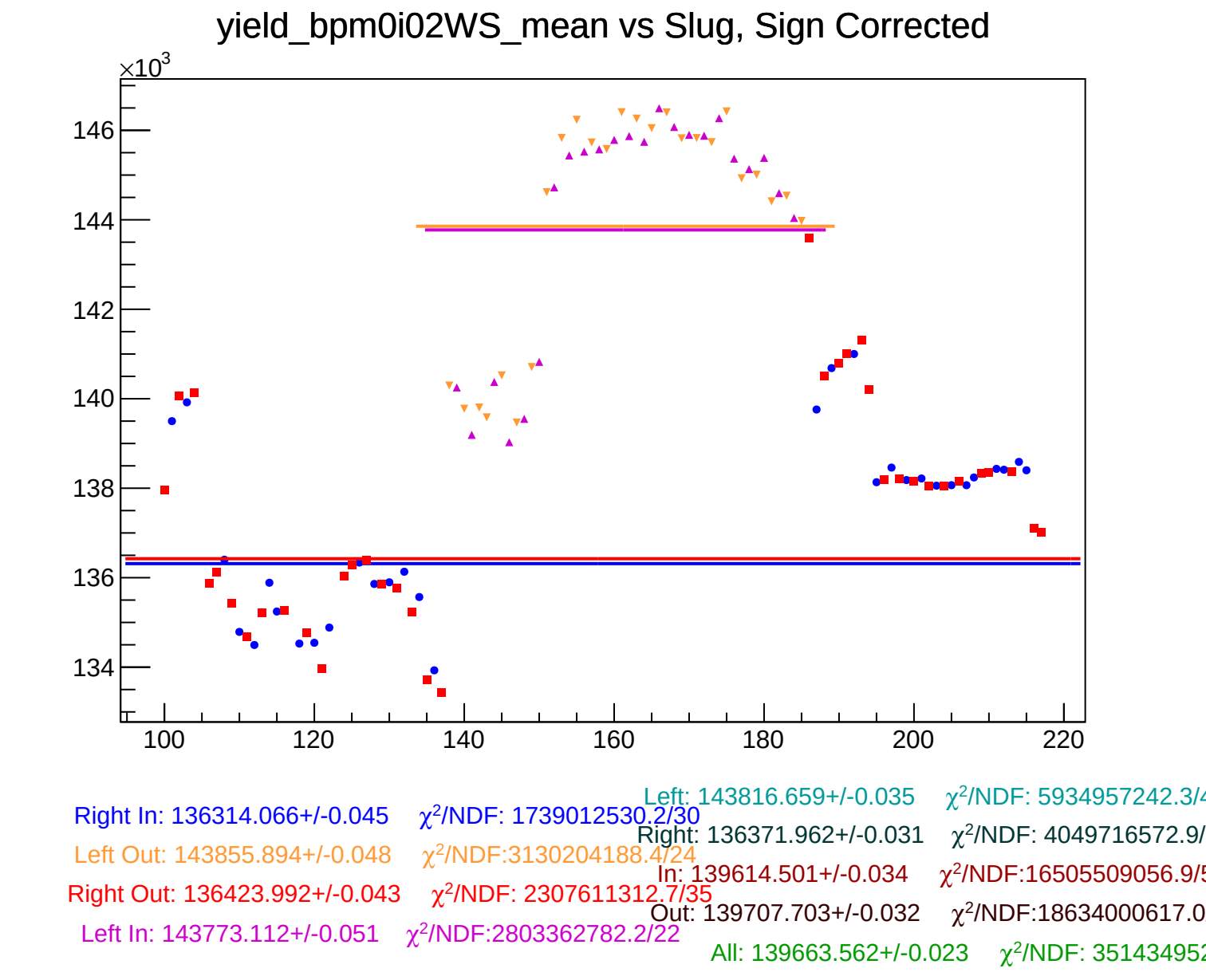
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

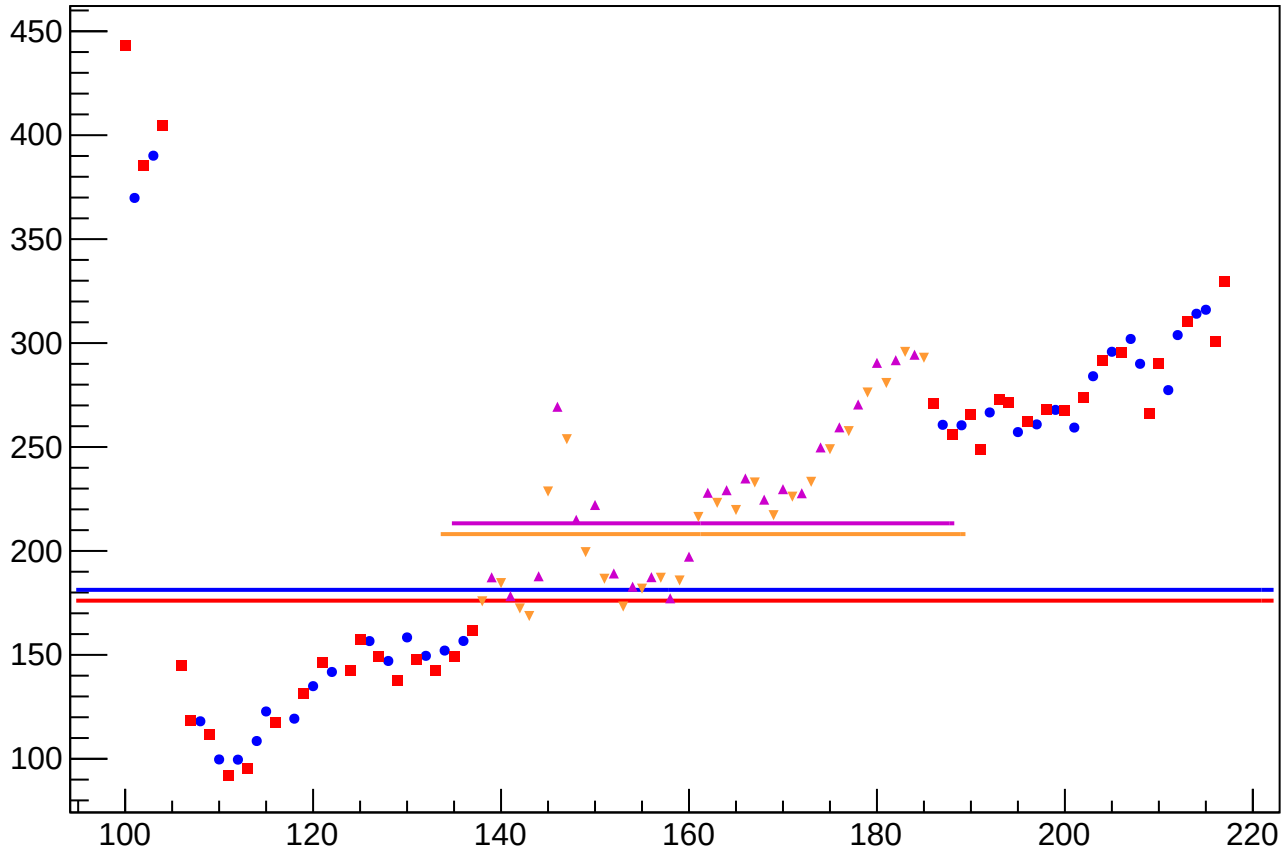
Right: 308.427+/-0.037 χ^2/NDF: 7406140.7/66

In: 293.480+/-0.036 χ^2/NDF:6208021.3/53

Out: 281.719+/-0.033 χ^2/NDF:6829903.5/60

All: 287.195+/-0.024 χ^2/NDF: 13095762.2/11


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
220
Right In: 136314.066+/-0.045 χ²/NDF: 1739012530.2/30
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136423.992+/-0.043 χ²/NDF: 2307611312.7/35
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 136371.962+/-0.031 χ²/NDF: 4049716572.9/
In: 139614.501+/-0.034 χ²/NDF:16505509056.9/5
Out: 139707.703+/-0.032 χ²/NDF:18634000617.0
All: 139663.562+/-0.023 χ²/NDF: 351434952



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: 176.088+/-0.030 χ^2/NDF: 6725500.0/35

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

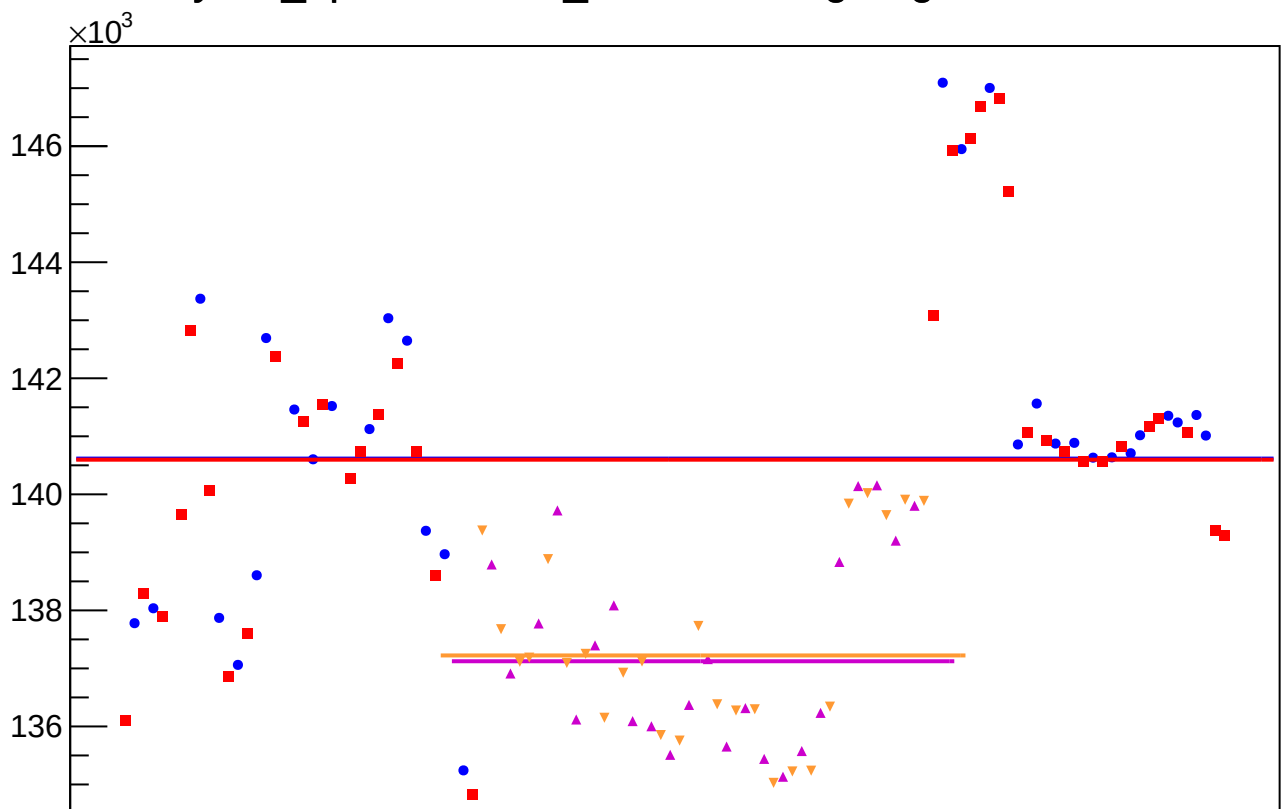
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 178.548+/-0.022 χ^2/NDF: 12568971.6/66

In: 195.445+/-0.024 χ^2/NDF:7135606.0/53

Out: 190.232+/-0.023 χ^2/NDF:8208204.5/60

All: 192.701+/-0.016 χ^2/NDF: 15368750.2/11



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: 140597.284+/-0.048 χ^2/NDF: 3268996365.9/35

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

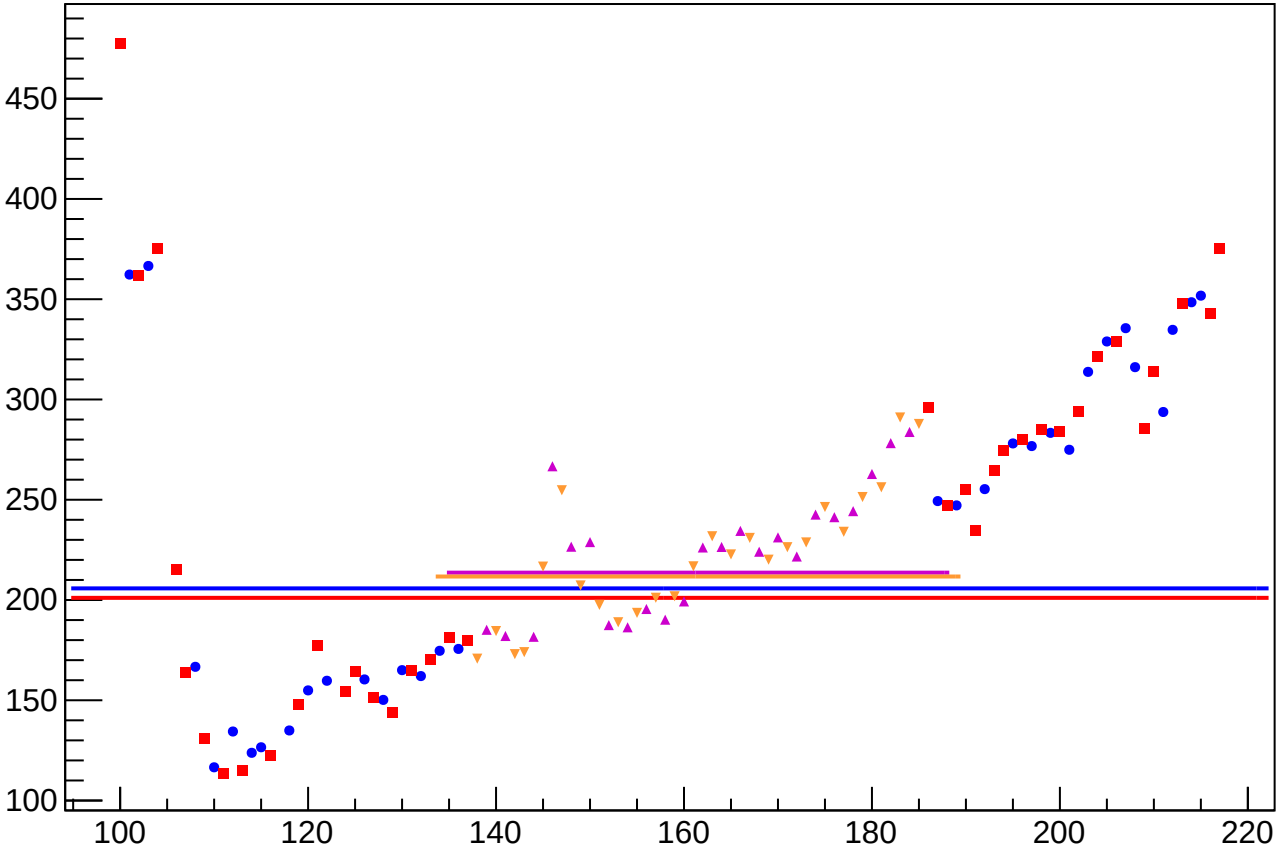
Right: 140606.169+/-0.035 χ^2/NDF: 6092724678.5/

In: 138878.925+/-0.036 χ^2/NDF:6049880708.7/53

Out: 138939.598+/-0.034 χ^2/NDF:6570007903.8/6

All: 138910.574+/-0.025 χ^2/NDF: 12621378

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: 201.076+/-0.034 χ^2/NDF: 5430979.6/35

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

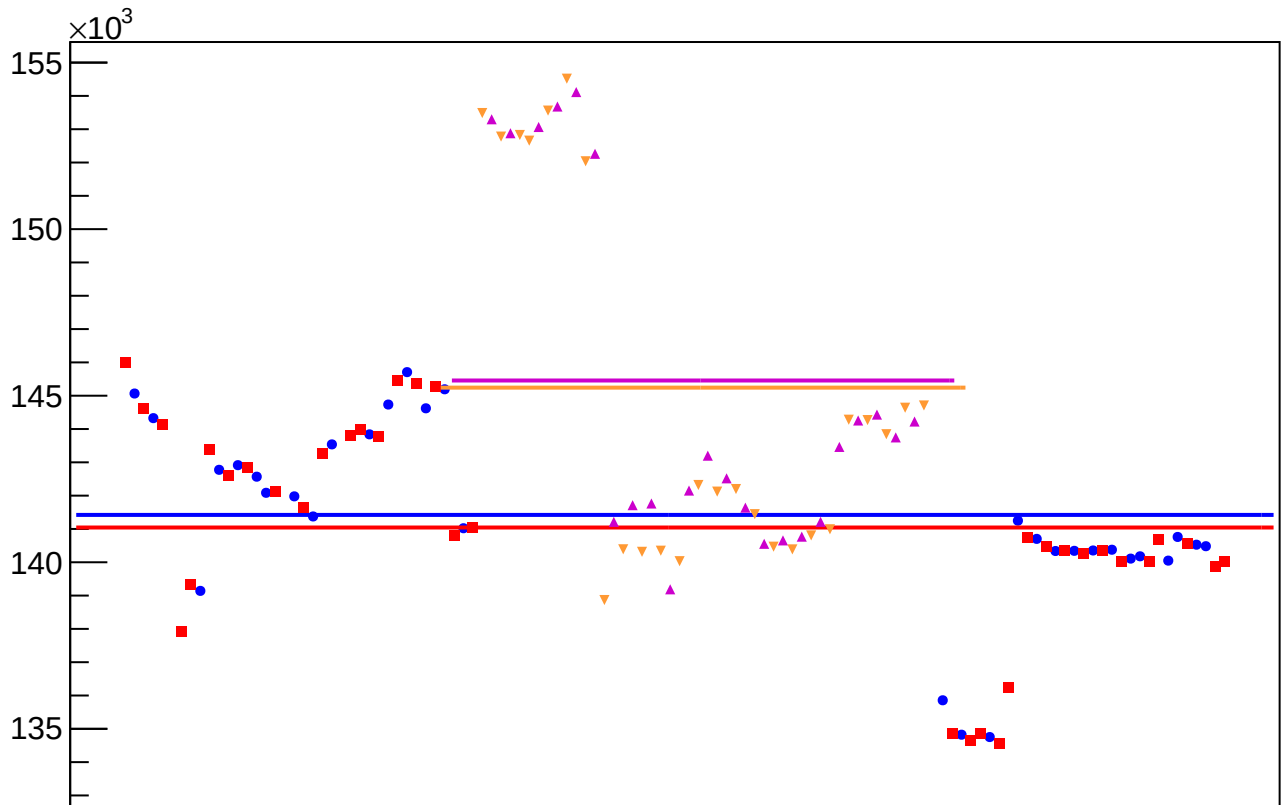
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 203.320+/-0.025 χ^2/NDF: 10118001.4/66

In: 209.698+/-0.025 χ^2/NDF:5323101.4/53

Out: 206.303+/-0.024 χ^2/NDF:6154419.8/60

All: 207.927+/-0.018 χ^2/NDF: 11486851.0/11



Right In: 141421.532+/-0.051 χ^2/NDF: 2843927995.8/30

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141043.215+/-0.047 χ^2/NDF: 4446304215.2/35

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

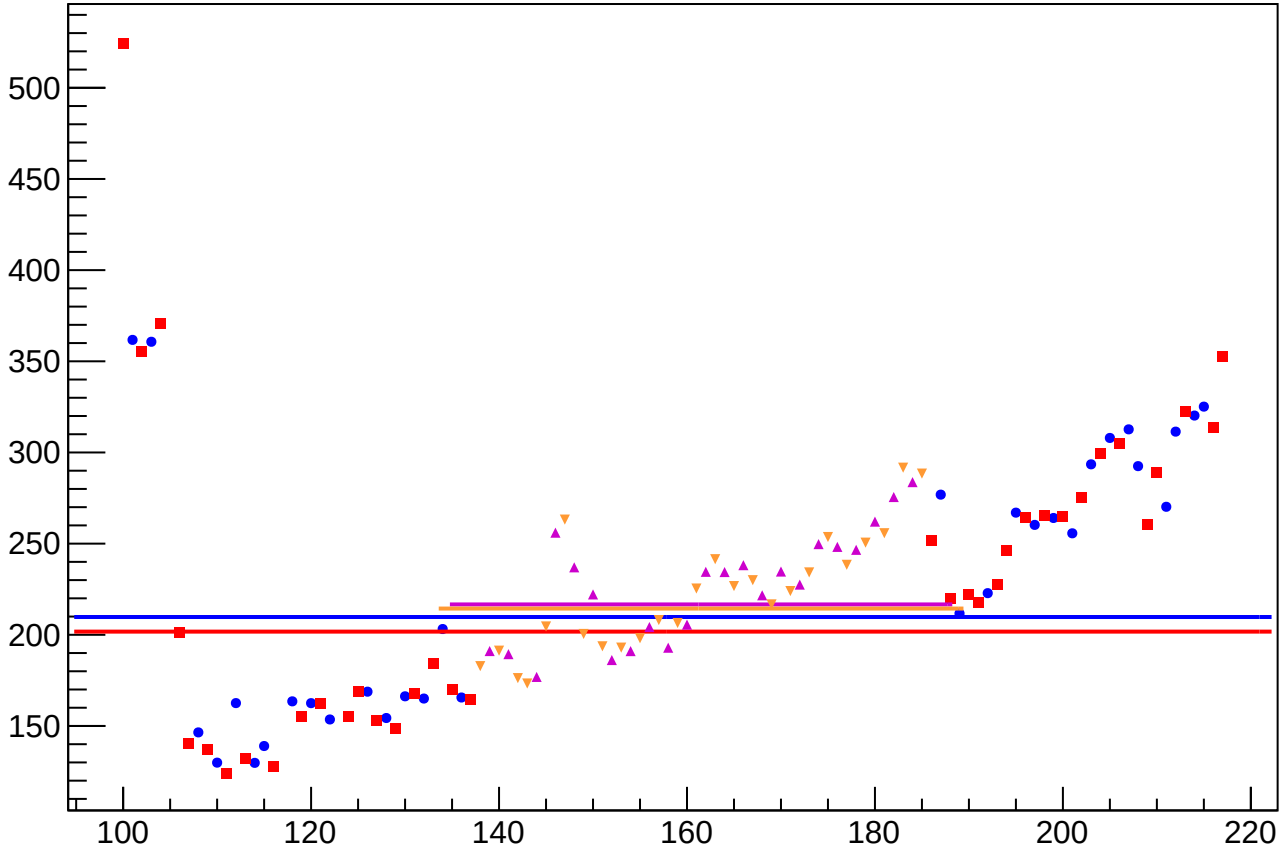
Right: 141220.030+/-0.035 χ^2/NDF: 7319955477.9/

In: 143402.158+/-0.036 χ^2/NDF:17033160062.5/5

Out: 143048.443+/-0.034 χ^2/NDF:21220774541.6

All: 143216.033+/-0.025 χ^2/NDF: 38304350

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: 201.747+/-0.034 χ^2/NDF: 3990276.9/35

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

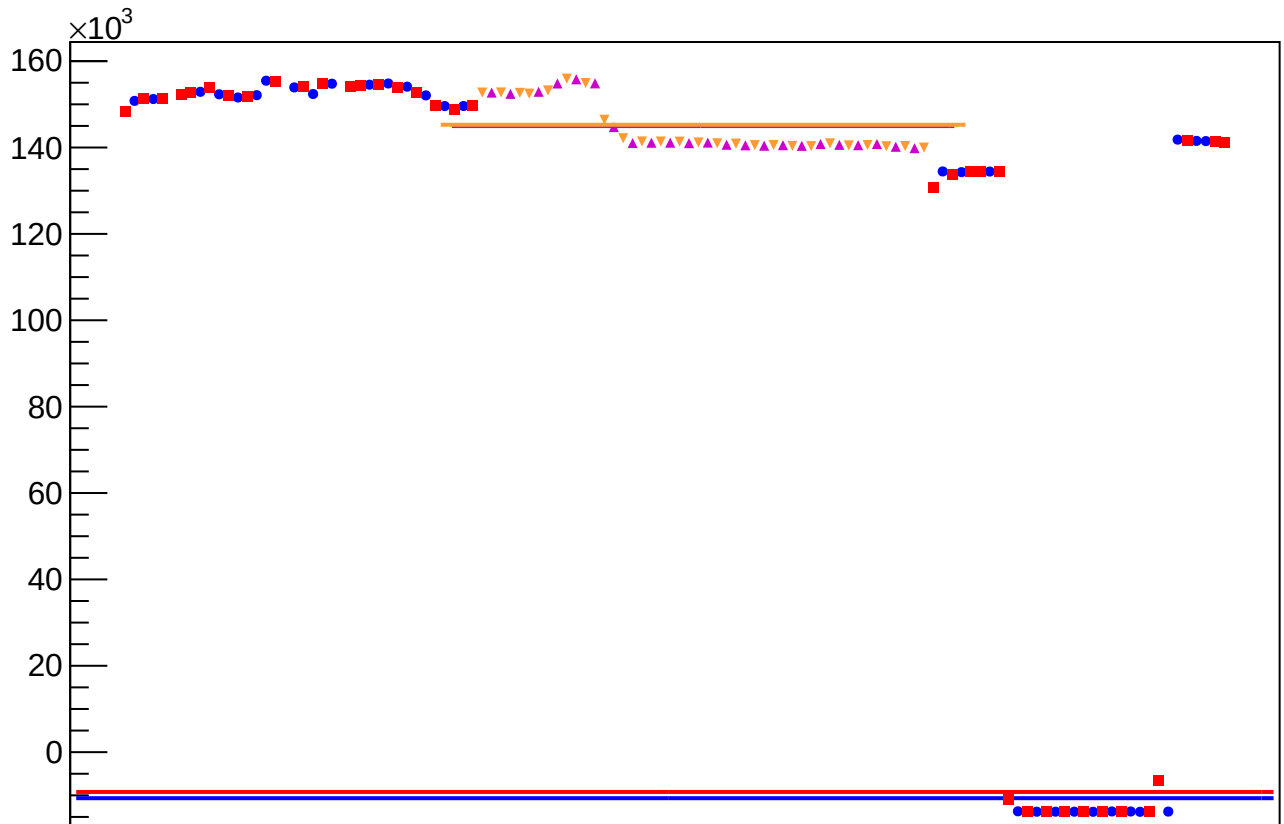
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 205.491+/-0.024 χ^2/NDF: 7383418.2/66

In: 213.143+/-0.026 χ^2/NDF:3971843.2/53

Out: 207.785+/-0.024 χ^2/NDF:4701511.9/60

All: 210.324+/-0.018 χ^2/NDF: 8696495.5/114



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: -9217.381+/-0.009 χ^2/NDF: 7686356218932.6/35

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

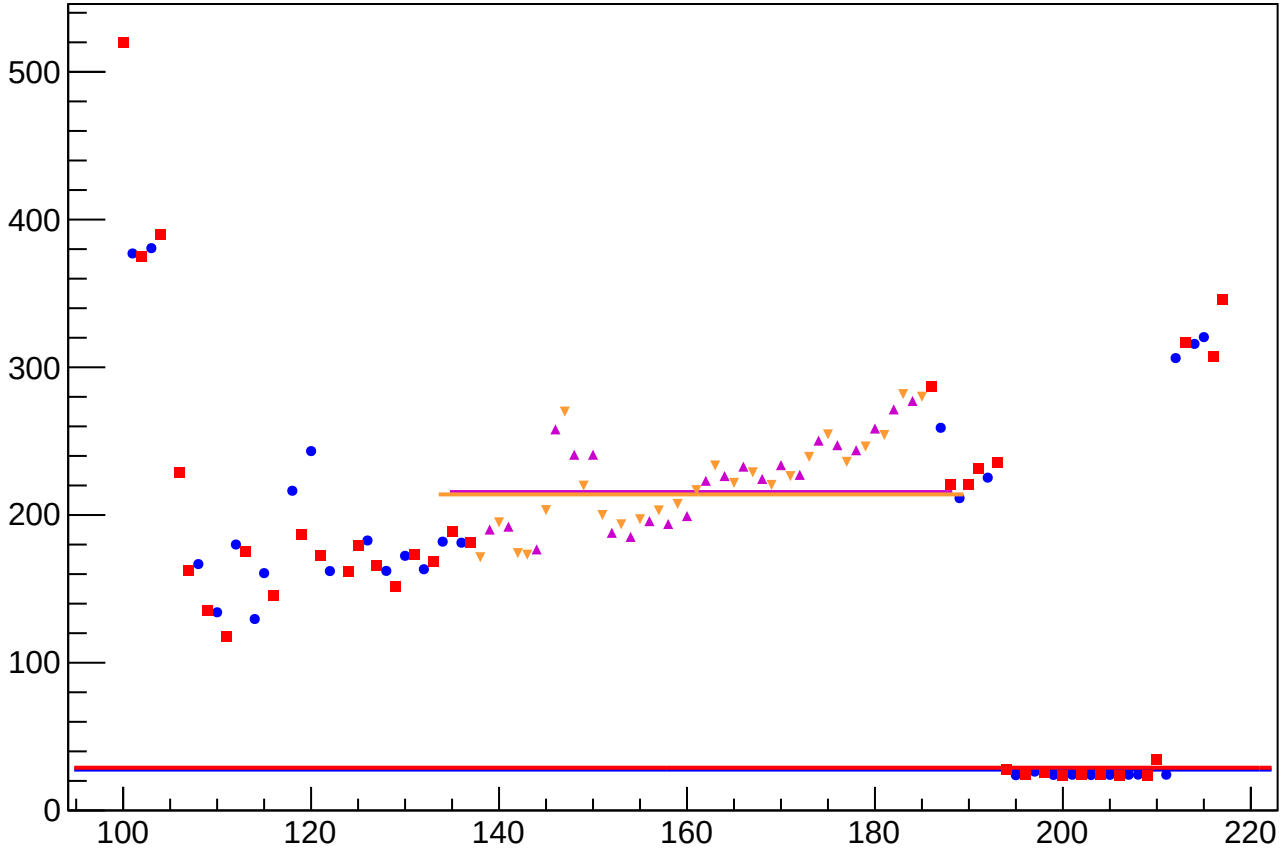
Right: -9989.894+/-0.006 χ^2/NDF: 1419803403074

In: -6255.486+/-0.009 χ^2/NDF:15488275639285.

Out: -3843.378+/-0.009 χ^2/NDF:17144451239838

All: -5129.987+/-0.006 χ^2/NDF: 3266930347

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: 28.933+/-0.007 χ^2/NDF: 18653602.7/35

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

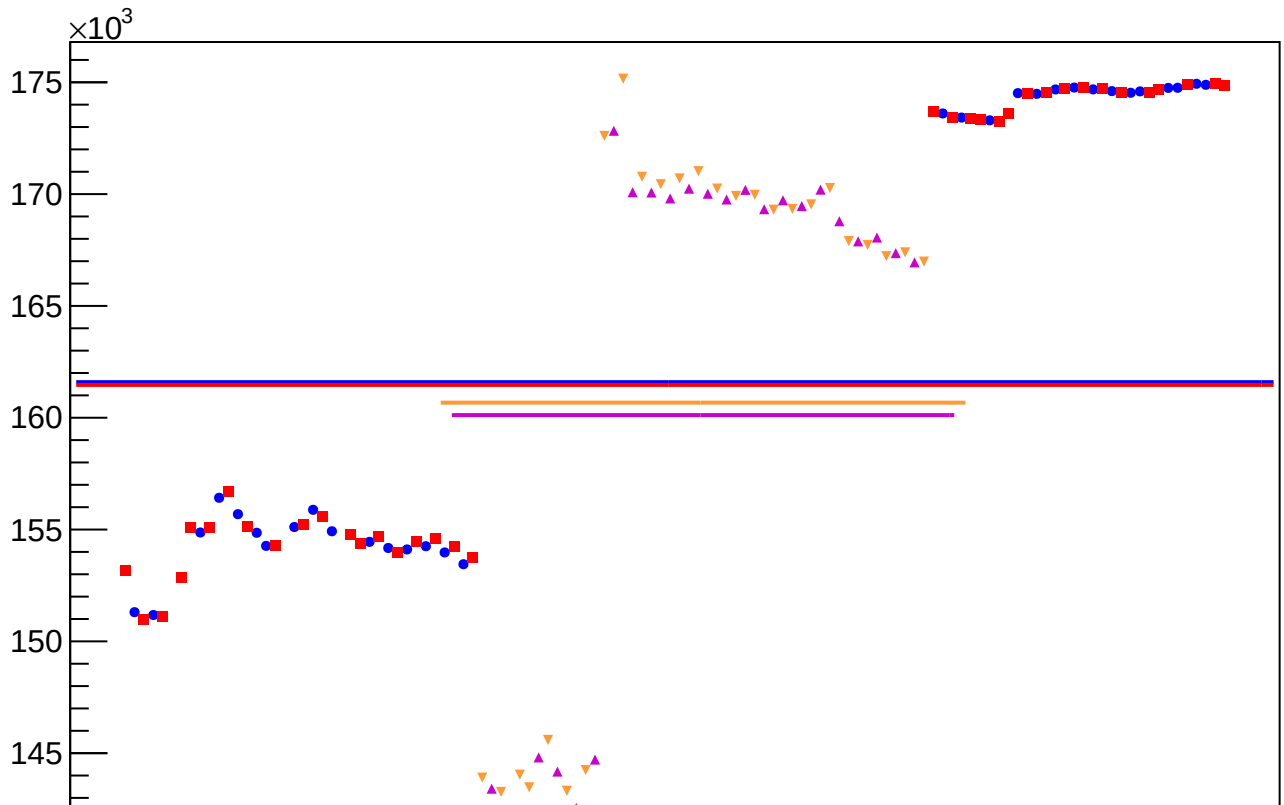
Right: 28.254+/-0.005 χ^2/NDF: 35742296.3/66

In: 32.981+/-0.006 χ^2/NDF:43832611.0/53

Out: 35.369+/-0.007 χ^2/NDF:46396481.0/60

All: 34.096+/-0.004 χ^2/NDF: 90300787.5/114

yield_bpm1i02WS_mean vs Slug, Sign Corrected



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: 161467.949+/-0.050 χ^2/NDF: 35215514441.7/35

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

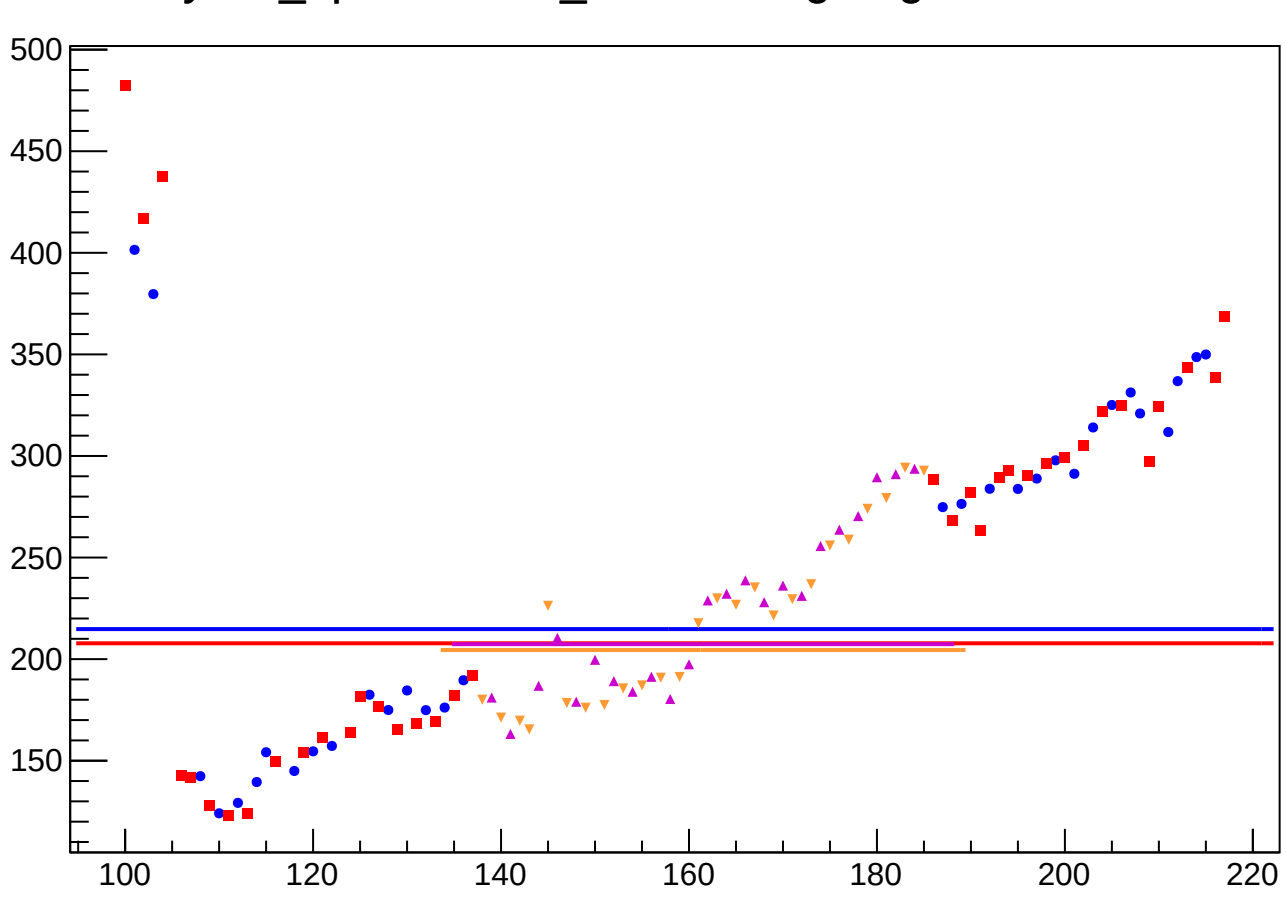
Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

Right: 161525.742+/-0.036 χ^2/NDF: 67338456254.

In: 160807.350+/-0.036 χ^2/NDF:99089858078.3/5

Out: 161053.992+/-0.034 χ^2/NDF:109504547236.

All: 160936.939+/-0.025 χ^2/NDF: 208619033



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: 207.790+/-0.035 χ^2/NDF: 5429989.8/35

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

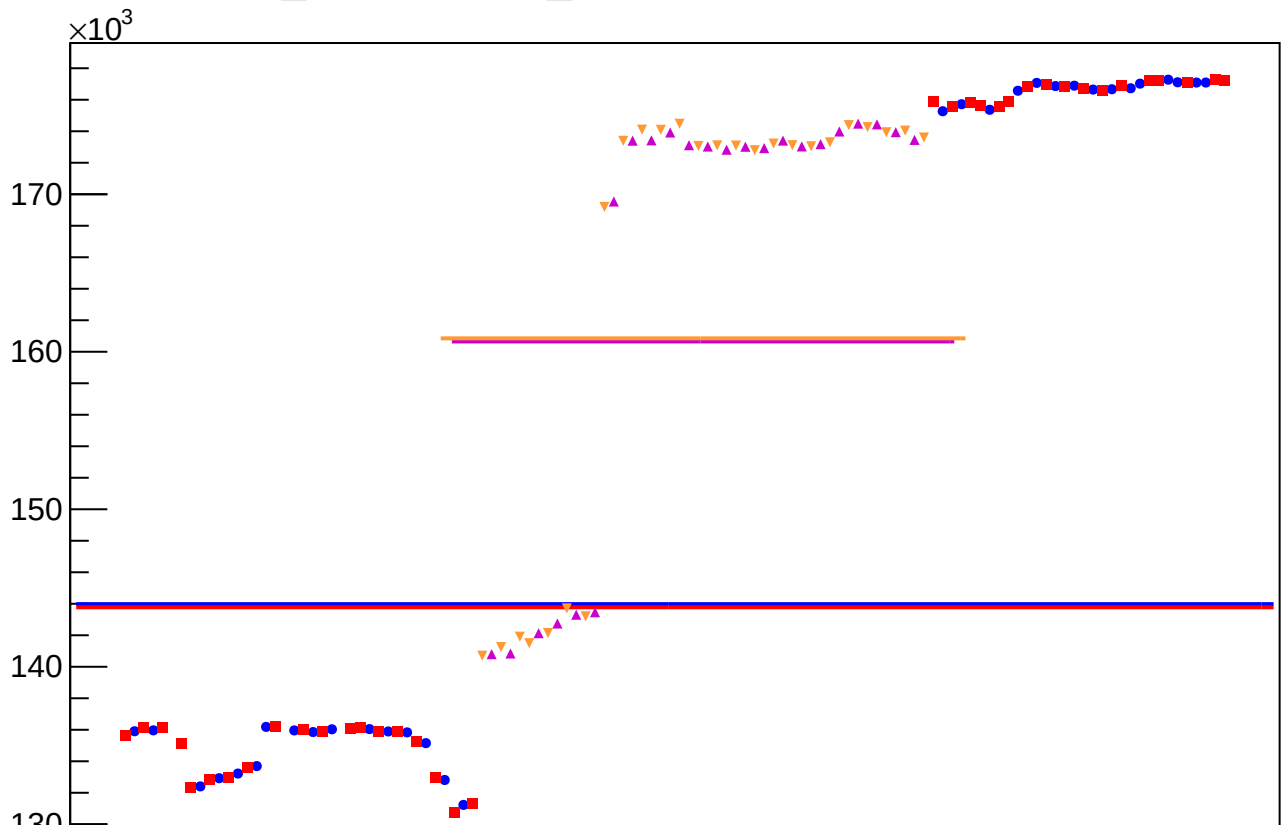
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 211.073+/-0.026 χ^2/NDF: 10028114.7/66

In: 210.840+/-0.025 χ^2/NDF:5557143.6/53

Out: 206.060+/-0.024 χ^2/NDF:6507864.0/60

All: 208.329+/-0.018 χ^2/NDF: 12083508.6/11



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: 143775.909+/-0.042 χ^2/NDF: 177653637412.1/35

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

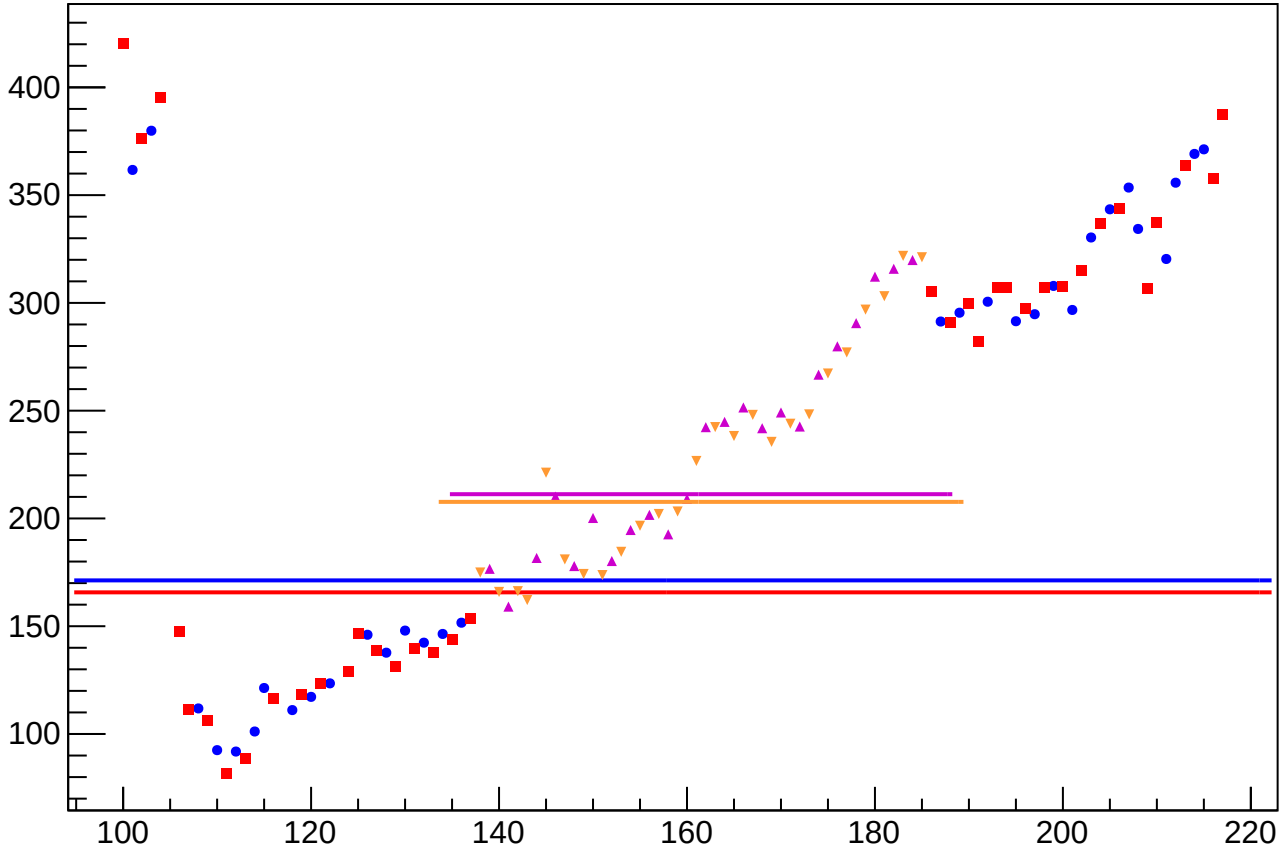
Right: 143871.083+/-0.031 χ^2/NDF: 338055829179

In: 151273.855+/-0.033 χ^2/NDF:311622807084.0

Out: 151146.149+/-0.032 χ^2/NDF:347510734773.

All: 151206.765+/-0.023 χ^2/NDF: 659141188

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: 165.710+/-0.030 χ^2/NDF: 9584221.1/35

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

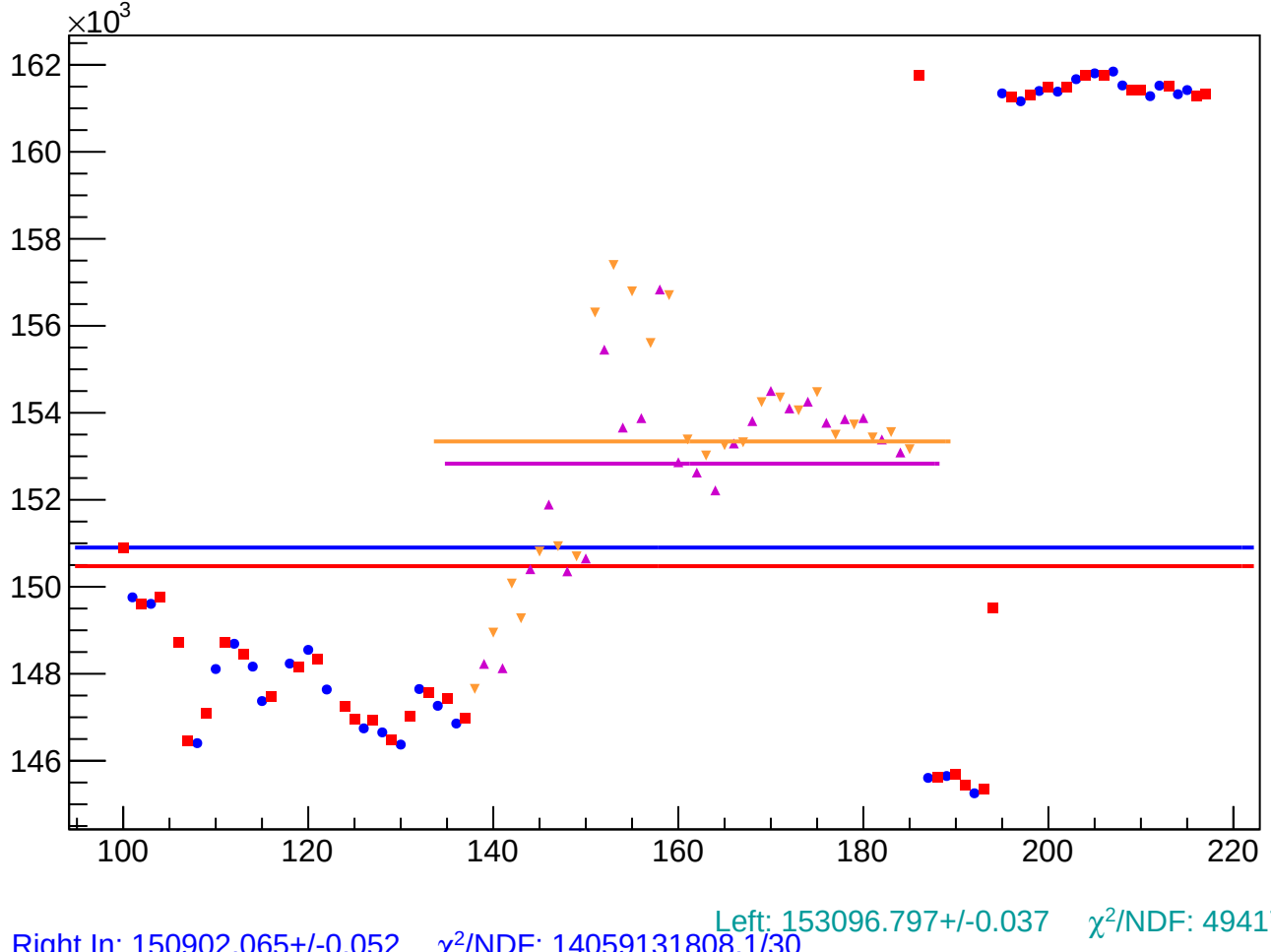
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 168.332+/-0.022 χ^2/NDF: 18013860.7/66

In: 188.760+/-0.024 χ^2/NDF:10421541.0/53

Out: 183.830+/-0.022 χ^2/NDF:11939009.6/60

All: 186.170+/-0.016 χ^2/NDF: 22383342.7/11



Right In: 150902.065+/-0.052 χ^2/NDF: 14059131808.1/30

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 150474.488+/-0.049 χ^2/NDF: 13877688794.4/35

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

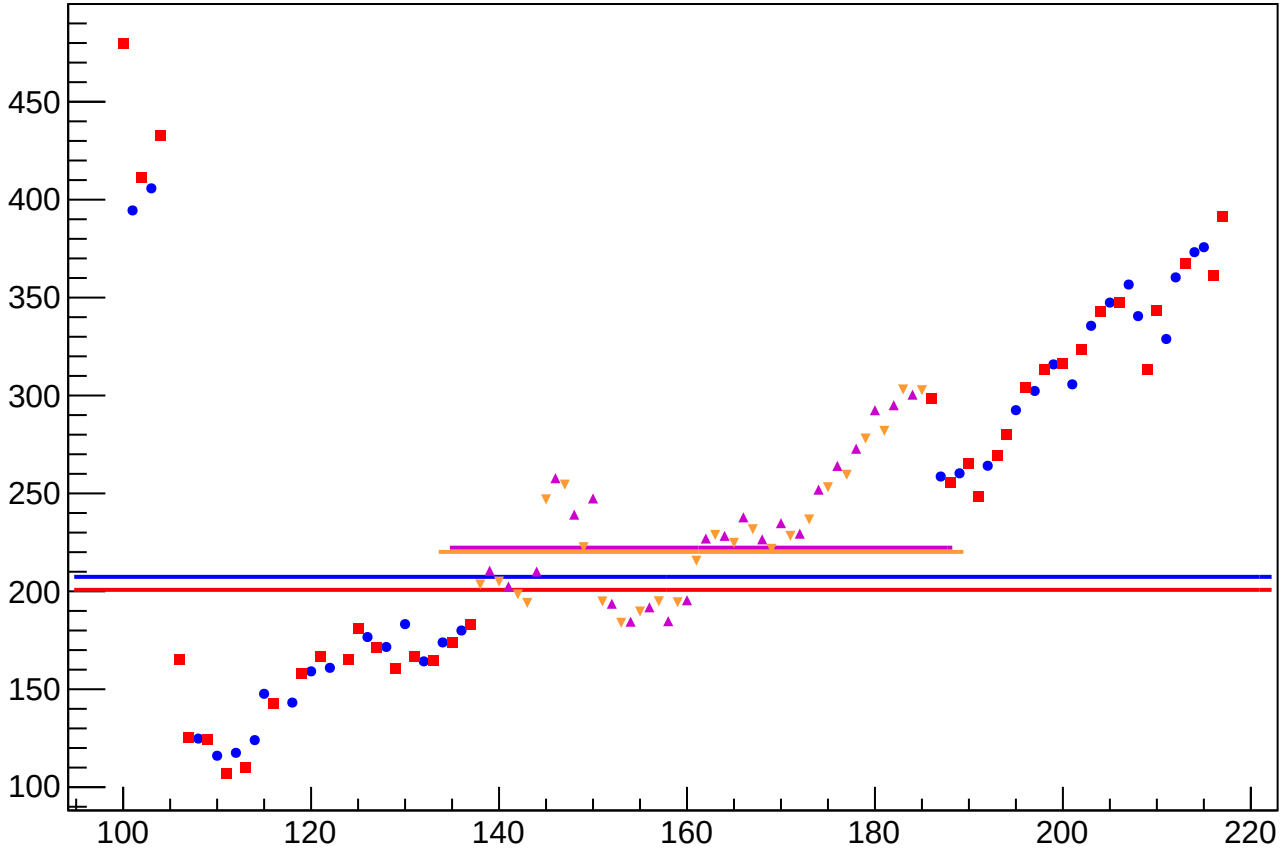
Right: 150675.304+/-0.035 χ^2/NDF: 27973020799.5

In: 151847.415+/-0.037 χ^2/NDF:16654500908.2/5

Out: 151848.045+/-0.035 χ^2/NDF:18517177312.2

All: 151847.746+/-0.025 χ^2/NDF: 35171678

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: 200.753+/-0.034 χ^2/NDF: 6535758.1/35

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

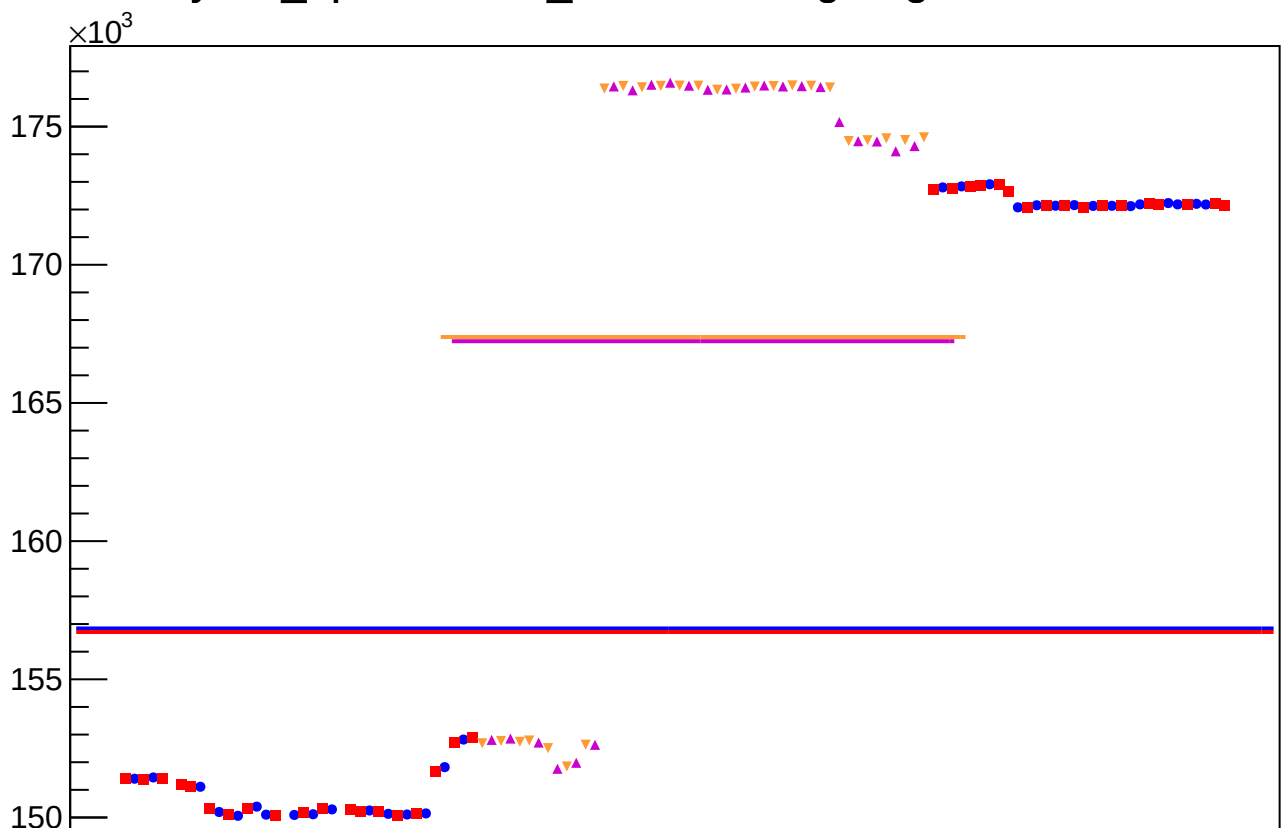
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 203.873+/-0.025 χ^2/NDF: 12304169.6/66

In: 214.701+/-0.026 χ^2/NDF:6529855.0/53

Out: 210.045+/-0.025 χ^2/NDF:7373380.9/60

All: 212.257+/-0.018 χ^2/NDF: 13919896.7/1



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: 156712.911+/-0.043 χ^2/NDF: 51776835641.8/35

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

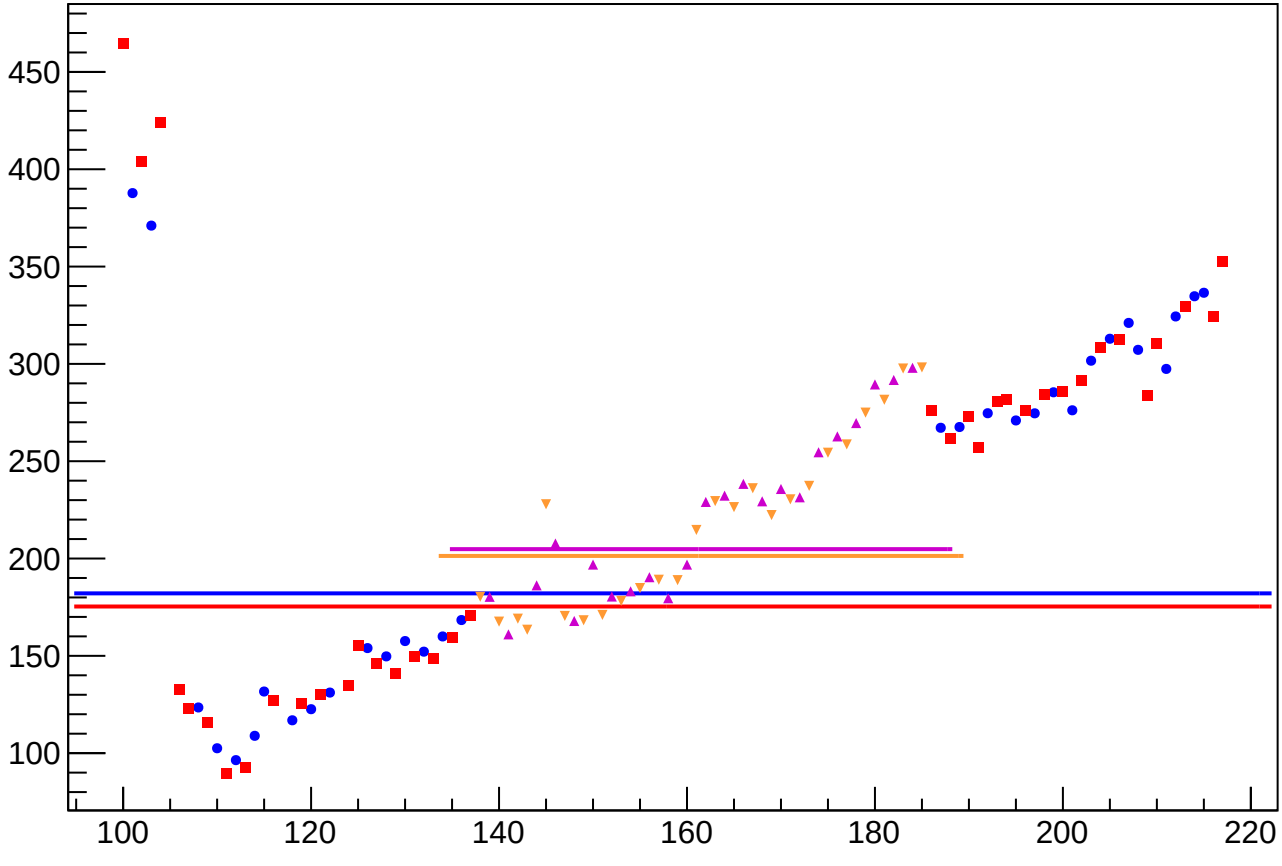
Right: 156772.299+/-0.032 χ^2/NDF: 97674847222.

In: 161728.636+/-0.034 χ^2/NDF:124954649113.8

Out: 161629.389+/-0.032 χ^2/NDF:139508759298.

All: 161676.280+/-0.023 χ^2/NDF: 26446803

yield_bpm2i01WS_rms vs Slug, Sign Corrected



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: 175.349+/-0.031 χ^2/NDF: 7600813.2/35

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

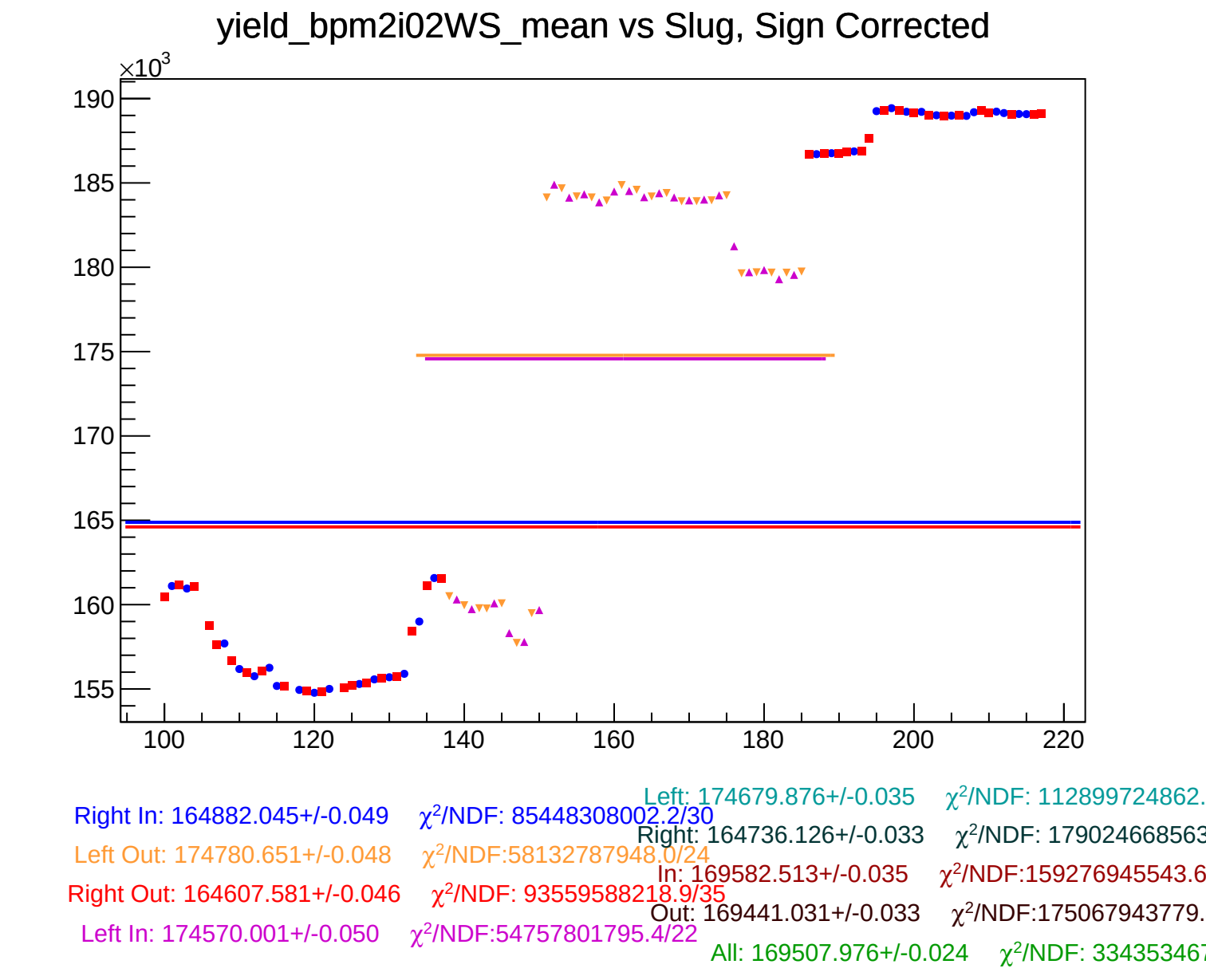
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 178.508+/-0.022 χ^2/NDF: 14141654.5/66

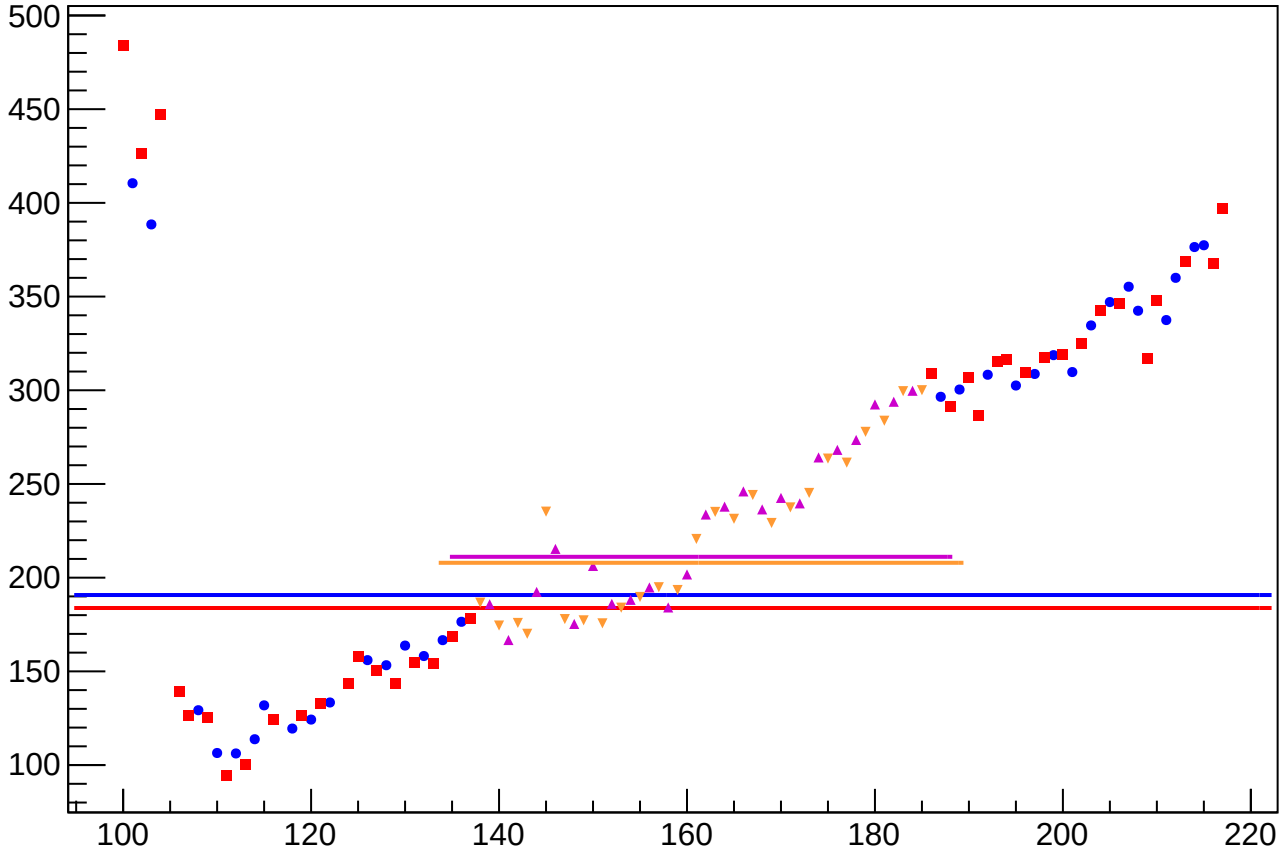
In: 192.789+/-0.024 χ^2/NDF:7800186.1/53

Out: 187.317+/-0.022 χ^2/NDF:9164821.3/60

All: 189.902+/-0.016 χ^2/NDF: 16993127.8/11


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
190
185
180
175
170
165
160
155
100
120
140
160
180
200
220
Right In: 164882.045+/-0.049 χ²/NDF: 85448308002.2/30
Left Out: 174780.651+/-0.048 χ²/NDF:58132787948.0/24
Right Out: 164607.581+/-0.046 χ²/NDF: 93559588218.9/35
Left In: 174570.001+/-0.050 χ²/NDF:54757801795.4/22
Left: 174679.876+/-0.035 χ²/NDF: 112899724862.
Right: 164736.126+/-0.033 χ²/NDF: 179024668563
In: 169582.513+/-0.035 χ²/NDF:159276945543.6
Out: 169441.031+/-0.033 χ²/NDF:175067943779.
All: 169507.976+/-0.024 χ²/NDF: 33435346

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: 183.813+/-0.032 χ^2/NDF: 8446976.0/35

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

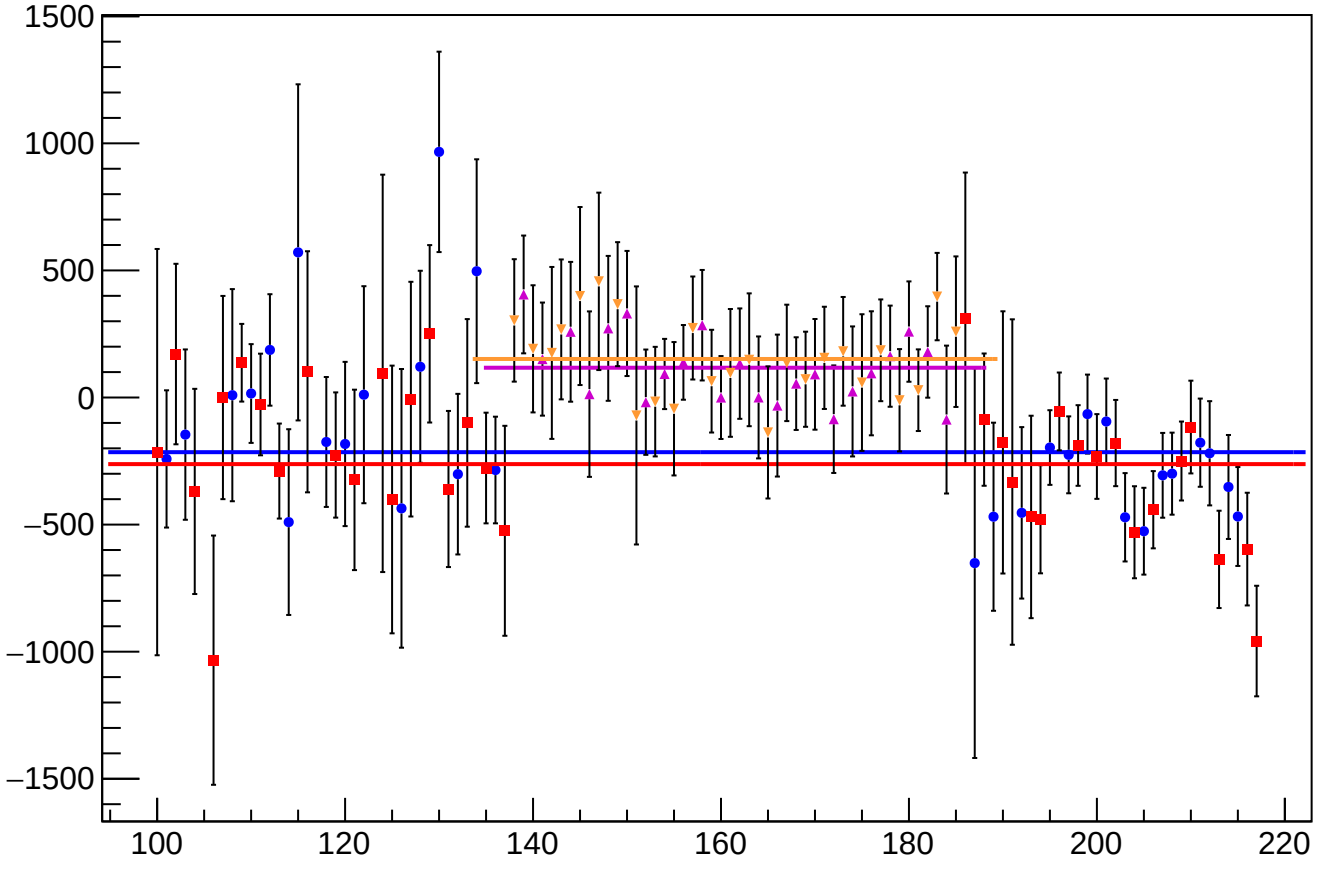
Right: 187.058+/-0.024 χ^2/NDF: 15780975.7/66

In: 200.636+/-0.025 χ^2/NDF:8475315.3/53

Out: 195.276+/-0.023 χ^2/NDF:9842054.5/60

All: 197.812+/-0.017 χ^2/NDF: 18341990.0/11

asym_bcm_target_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: -262.038+/-39.753 χ^2/NDF: 42.4/35

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

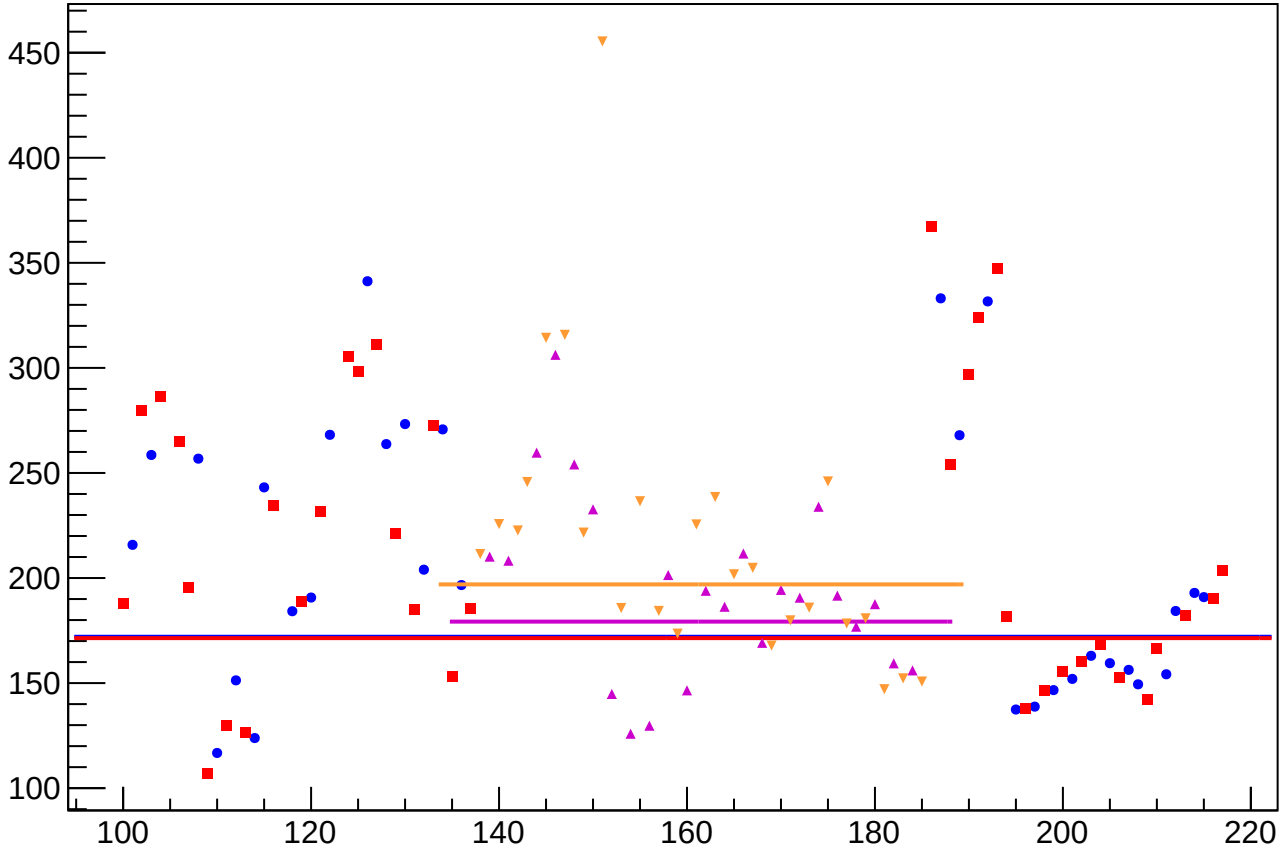
Right: -239.102+/-28.438 χ^2/NDF: 74.3/66

In: -61.049+/-29.807 χ^2/NDF:69.5/53

Out: -87.026+/-30.194 χ^2/NDF:97.8/60

All: -73.870+/-21.212 χ^2/NDF: 167.7/114

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: 171.398+/-0.028 χ^2/NDF: 3035097.7/35

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

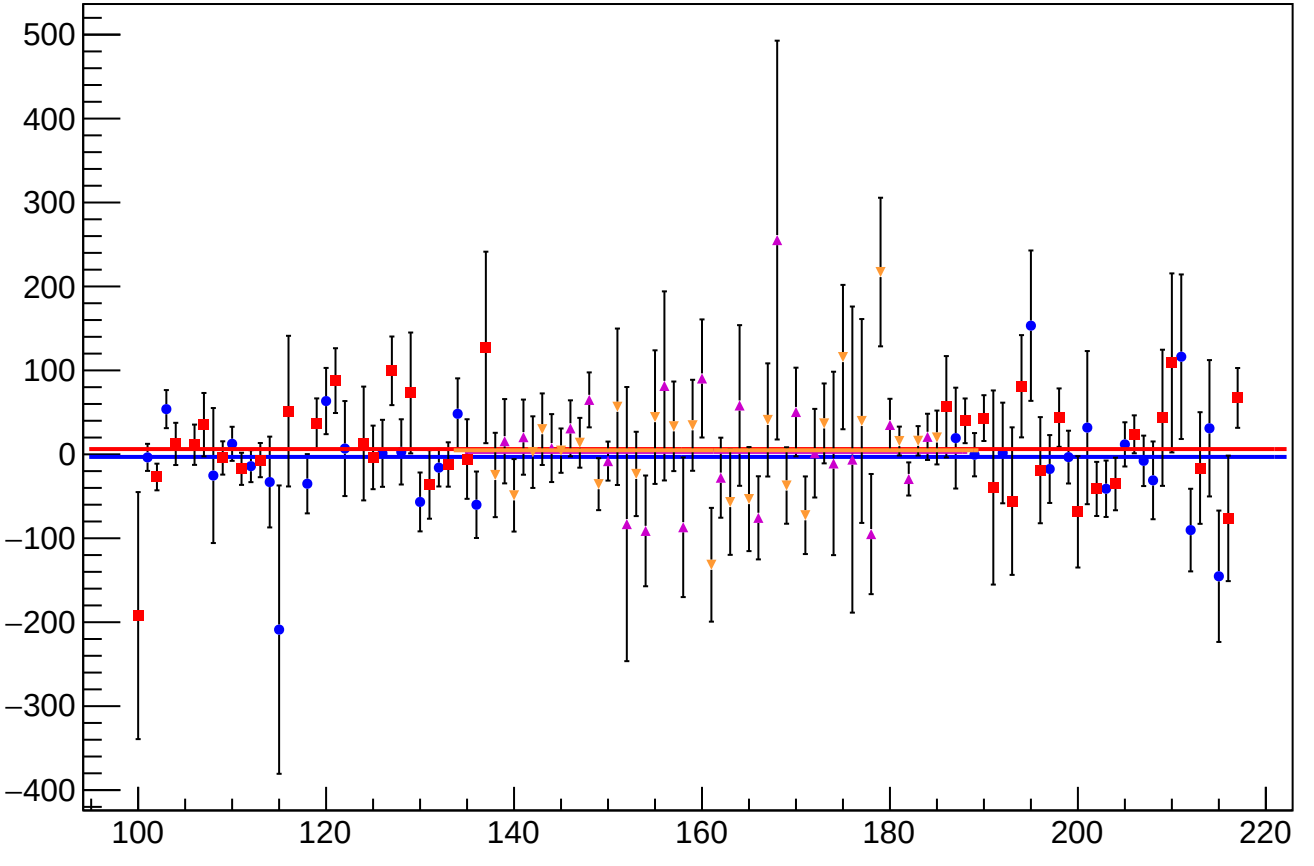
Right: 171.712+/-0.020 χ^2/NDF: 5343728.0/66

In: 175.386+/-0.021 χ^2/NDF:3993530.9/53

Out: 182.220+/-0.021 χ^2/NDF:5194709.1/60

All: 178.759+/-0.015 χ^2/NDF: 9240124.7/114

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: 6.271+/-5.589 χ^2/NDF: 42.5/35

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

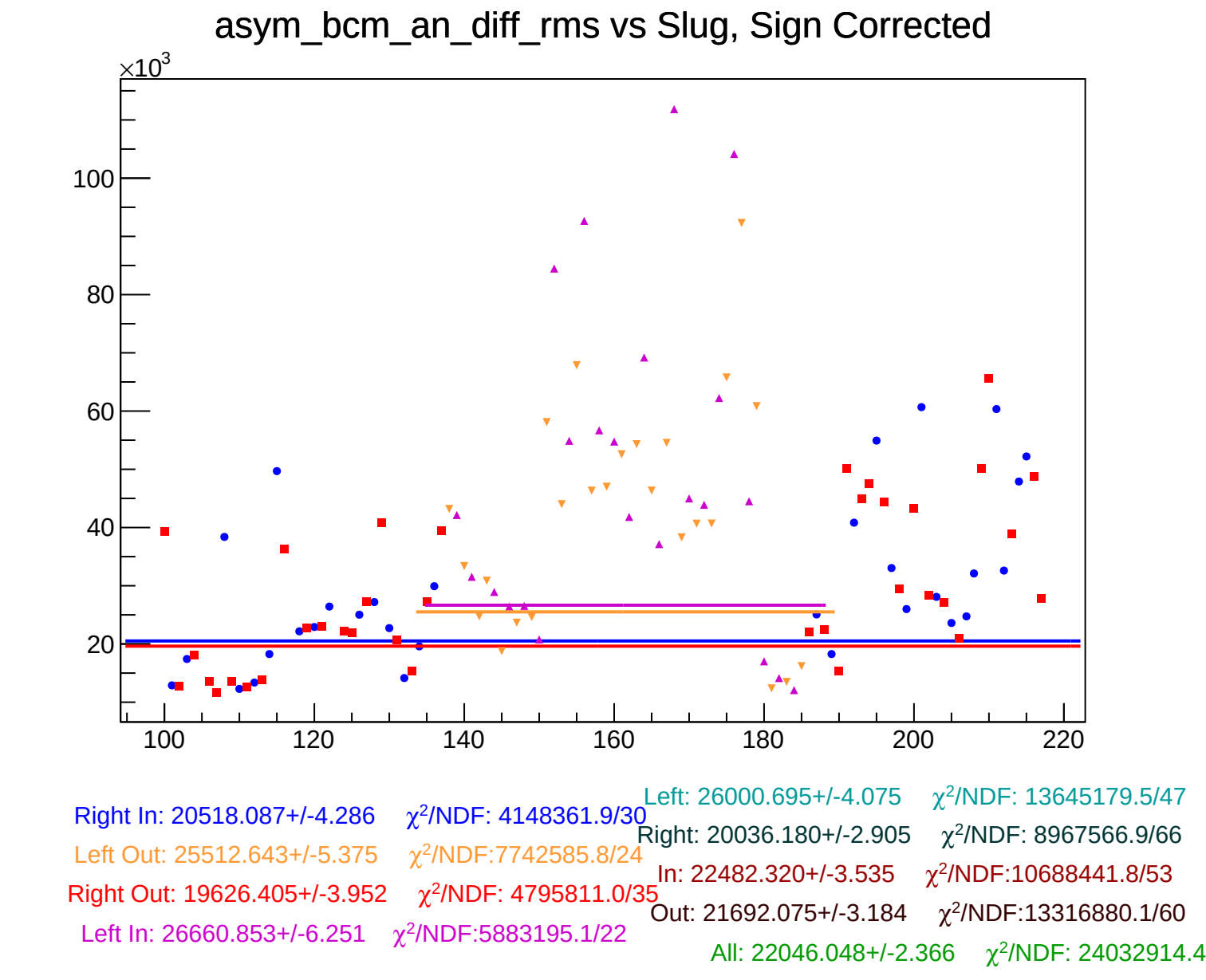
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.971+/-4.109 χ^2/NDF: 76.3/66

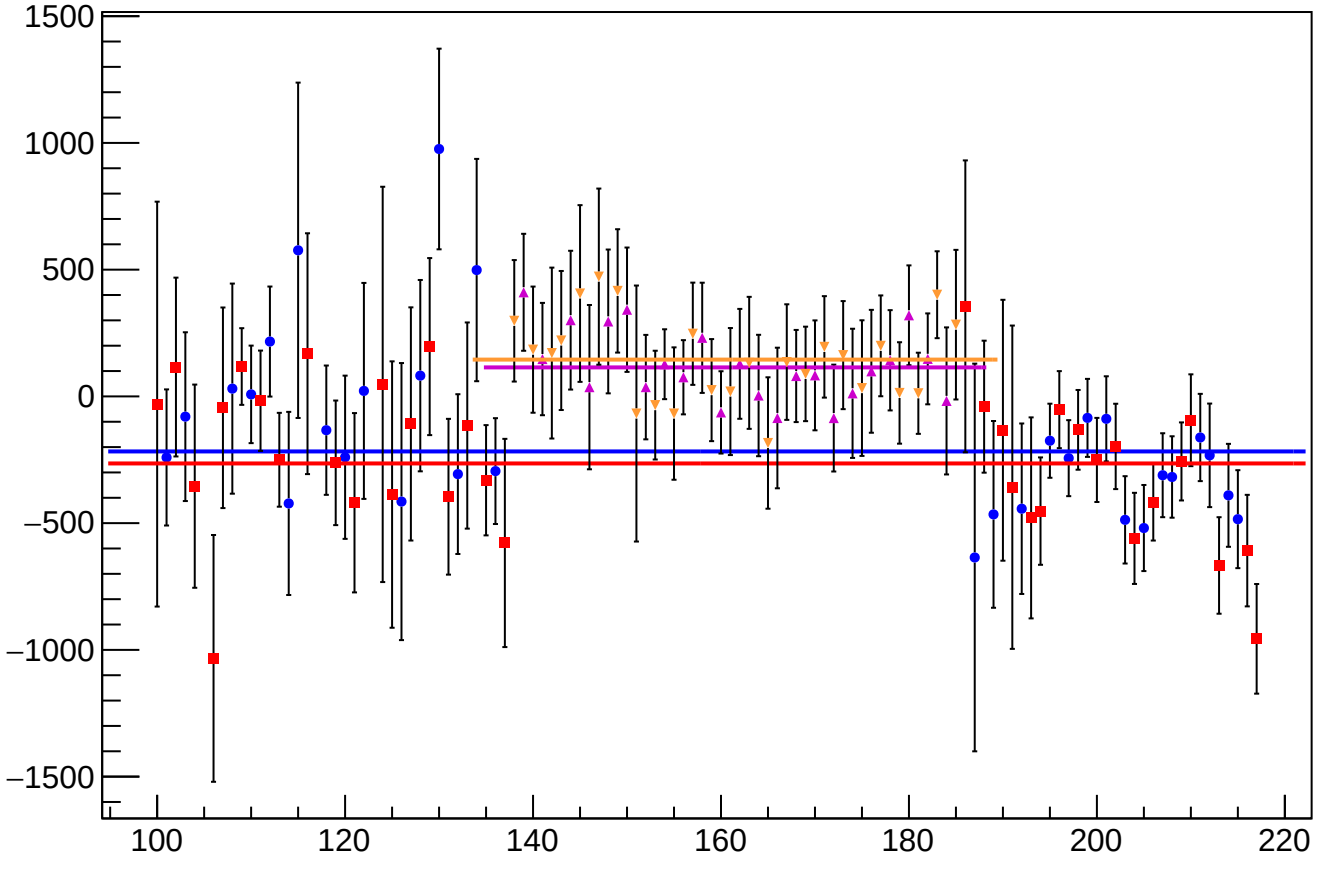
In: -1.166+/-4.999 χ^2/NDF:54.4/53

Out: 5.756+/-4.503 χ^2/NDF:66.8/60

All: 2.656+/-3.346 χ^2/NDF: 122.3/114


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: 19626.405+/-3.952 χ²/NDF: 4795811.0/35
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 20036.180+/-2.905 χ²/NDF: 8967566.9/66
In: 22482.320+/-3.535 χ²/NDF:10688441.8/53
Out: 21692.075+/-3.184 χ²/NDF:13316880.1/60
All: 22046.048+/-2.366 χ²/NDF: 24032914.4

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -217.120+/-40.431 χ^2/NDF: 32.5/30

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -264.505+/-39.501 χ^2/NDF: 43.8/35

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

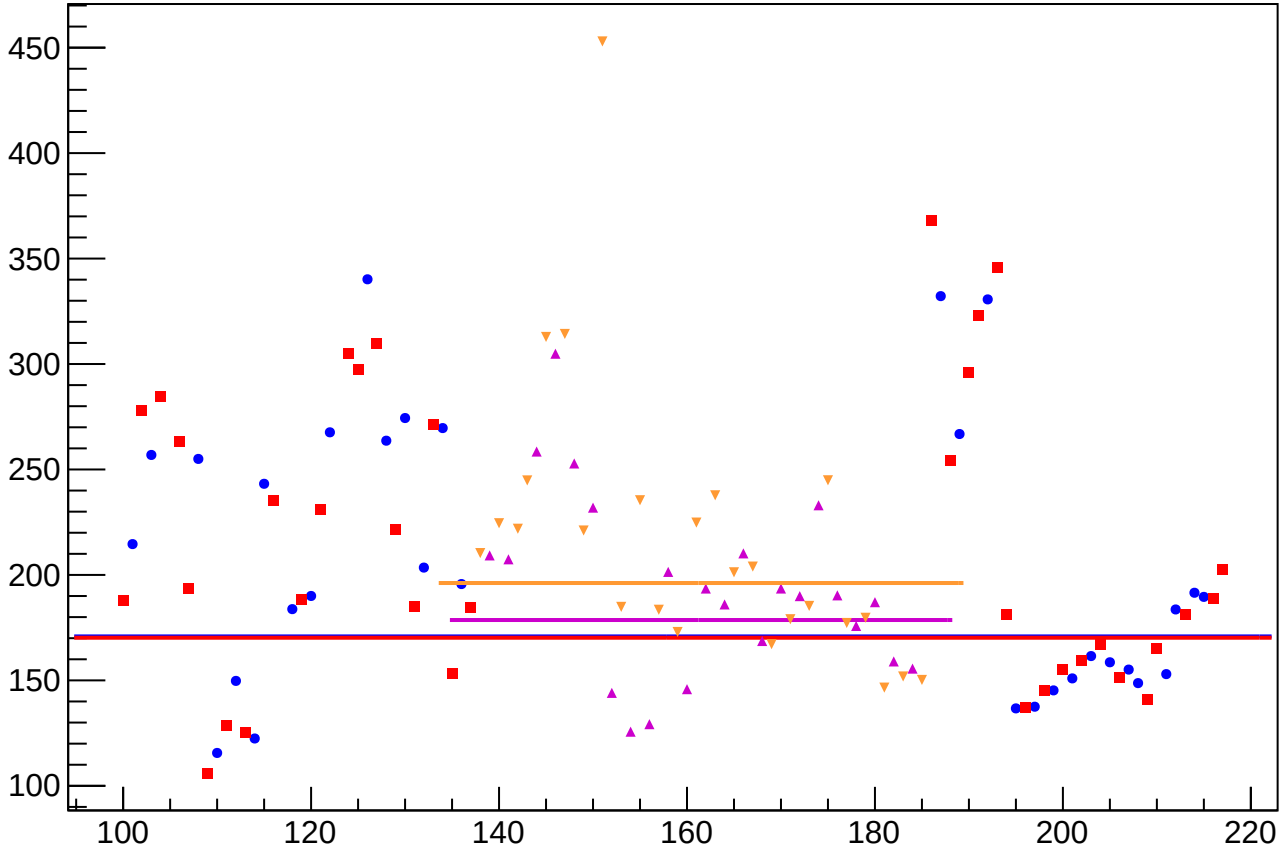
Right: -241.363+/-28.255 χ^2/NDF: 77.1/66

In: -63.919+/-29.652 χ^2/NDF:72.0/53

Out: -91.603+/-30.030 χ^2/NDF:100.4/60

All: -77.586+/-21.100 χ^2/NDF: 172.8/114

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: 170.227+/-0.028 χ^2/NDF: 3074082.7/35

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

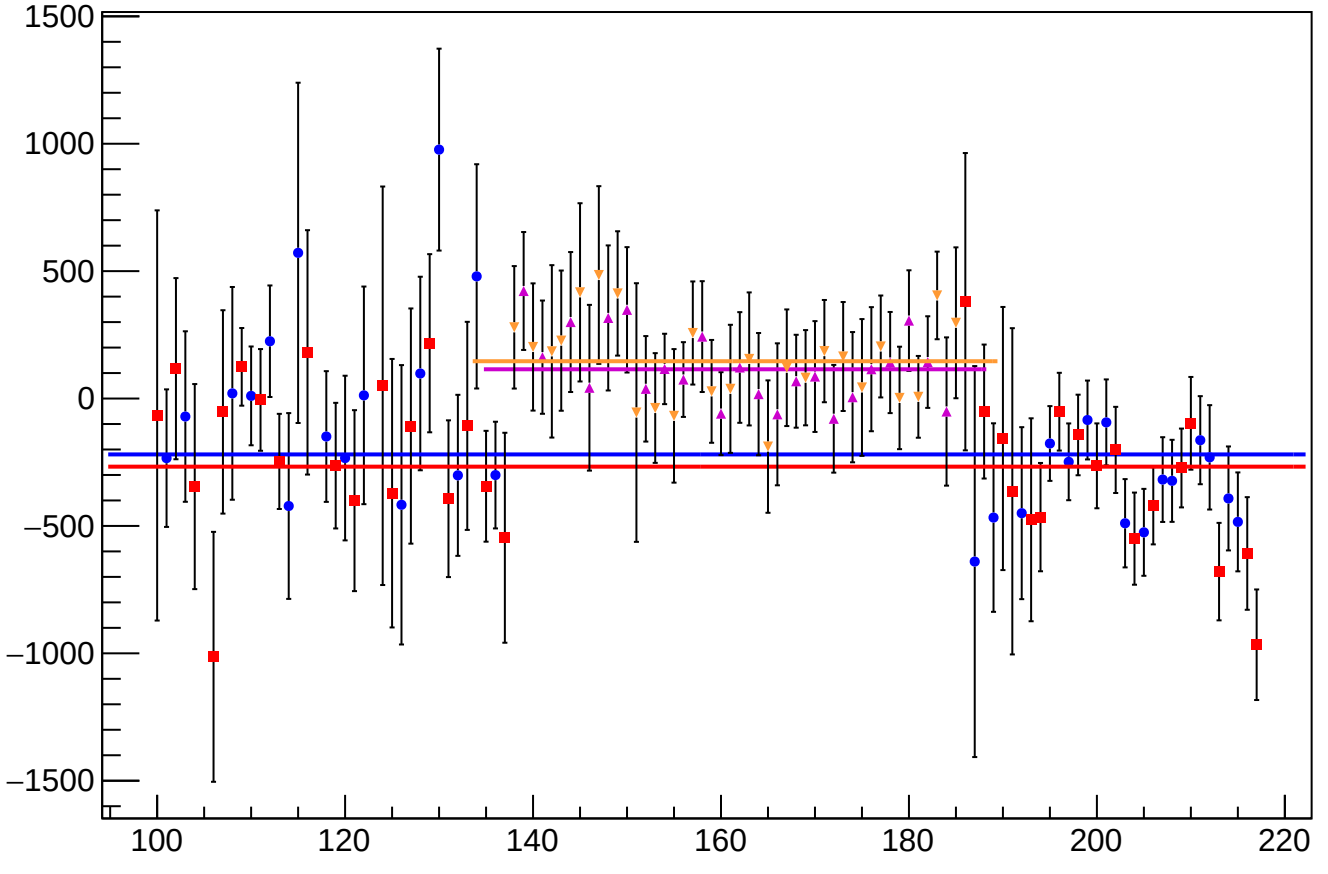
Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

Right: 170.528+/-0.020 χ^2/NDF: 5412793.7/66

In: 174.438+/-0.021 χ^2/NDF:4024542.1/53

Out: 181.174+/-0.021 χ^2/NDF:5244916.4/60

All: 177.763+/-0.015 χ^2/NDF: 9320417.0/114



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: -267.361+/-39.698 χ^2/NDF: 44.0/35

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

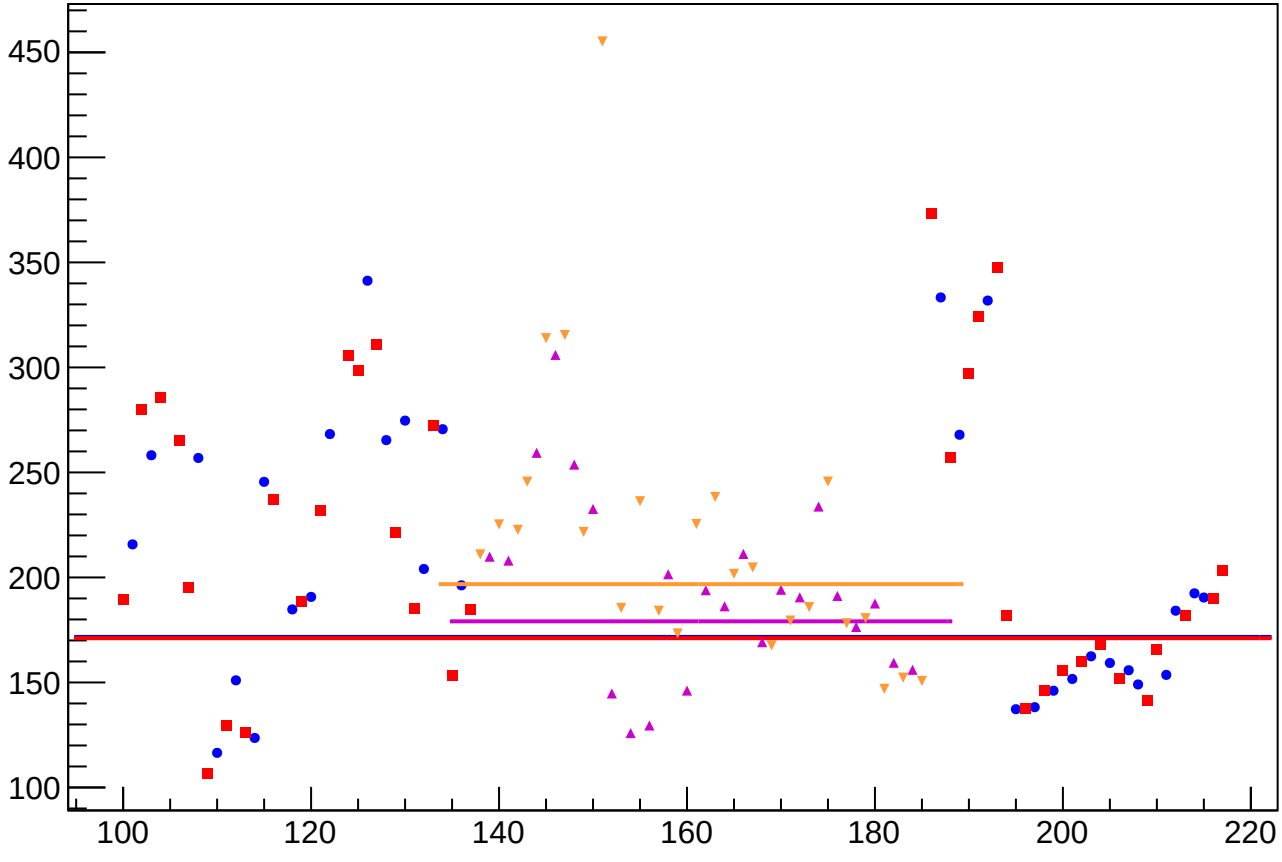
Right: -243.894+/-28.392 χ^2/NDF: 77.3/66

In: -64.593+/-29.765 χ^2/NDF:72.3/53

Out: -92.395+/-30.159 χ^2/NDF:101.4/60

All: -78.312+/-21.185 χ^2/NDF: 174.1/114

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: 171.079+/-0.028 χ^2/NDF: 3070507.7/35

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

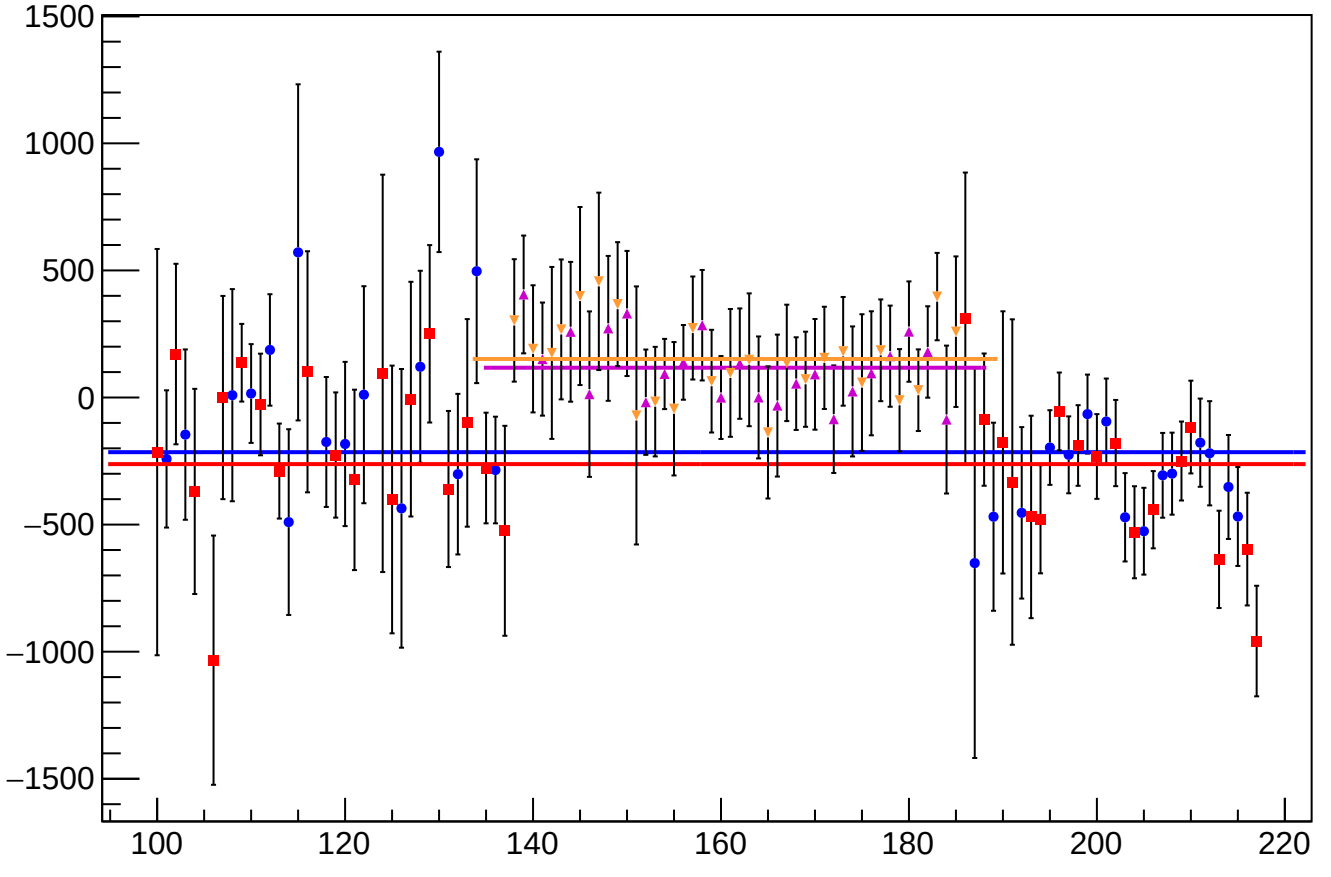
Right: 171.367+/-0.020 χ^2/NDF: 5401112.2/66

In: 175.110+/-0.021 χ^2/NDF:4017257.0/53

Out: 181.957+/-0.021 χ^2/NDF:5234289.0/60

All: 178.489+/-0.015 χ^2/NDF: 9303765.0/114

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: -262.038+/-39.753 χ^2/NDF: 42.4/35

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

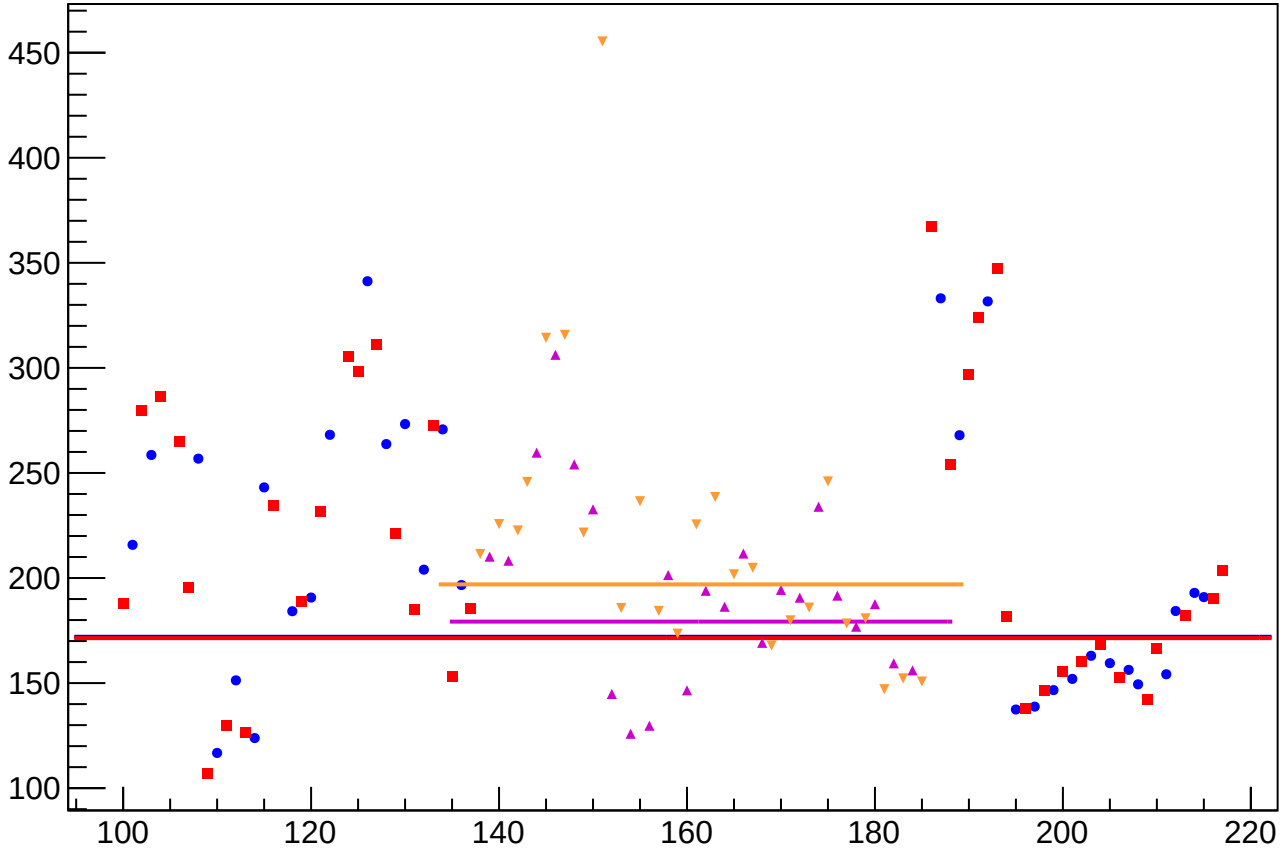
Right: -239.102+/-28.438 χ^2/NDF: 74.3/66

In: -61.049+/-29.807 χ^2/NDF:69.5/53

Out: -87.026+/-30.194 χ^2/NDF:97.8/60

All: -73.870+/-21.212 χ^2/NDF: 167.7/114

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: 171.398+/-0.028 χ^2/NDF: 3035097.7/35

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

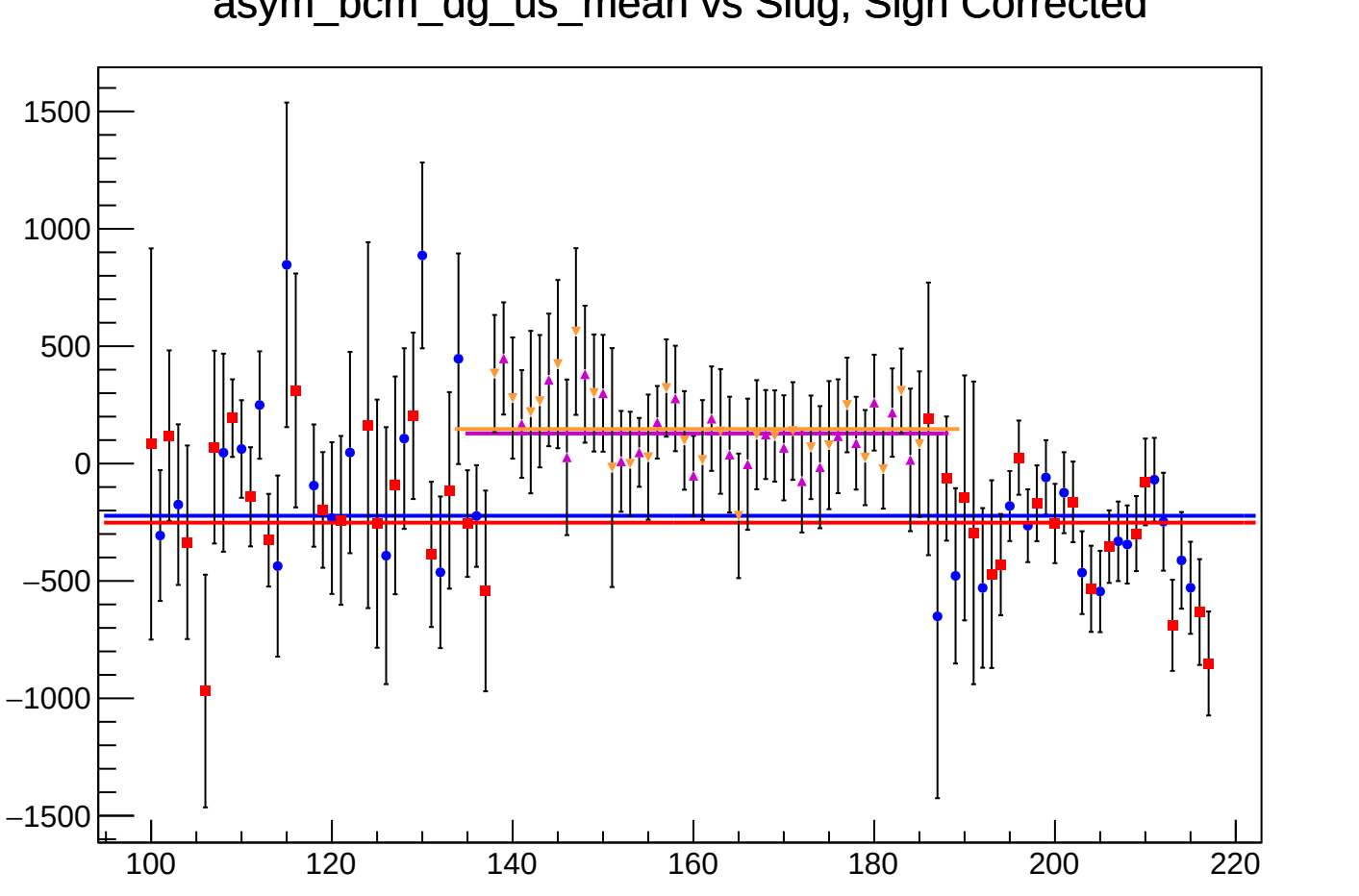
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 171.712+/-0.020 χ^2/NDF: 5343728.0/66

In: 175.386+/-0.021 χ^2/NDF:3993530.9/53

Out: 182.220+/-0.021 χ^2/NDF:5194709.1/60

All: 178.759+/-0.015 χ^2/NDF: 9240124.7/114



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: -251.552+/-40.766 χ^2/NDF: 40.5/35

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

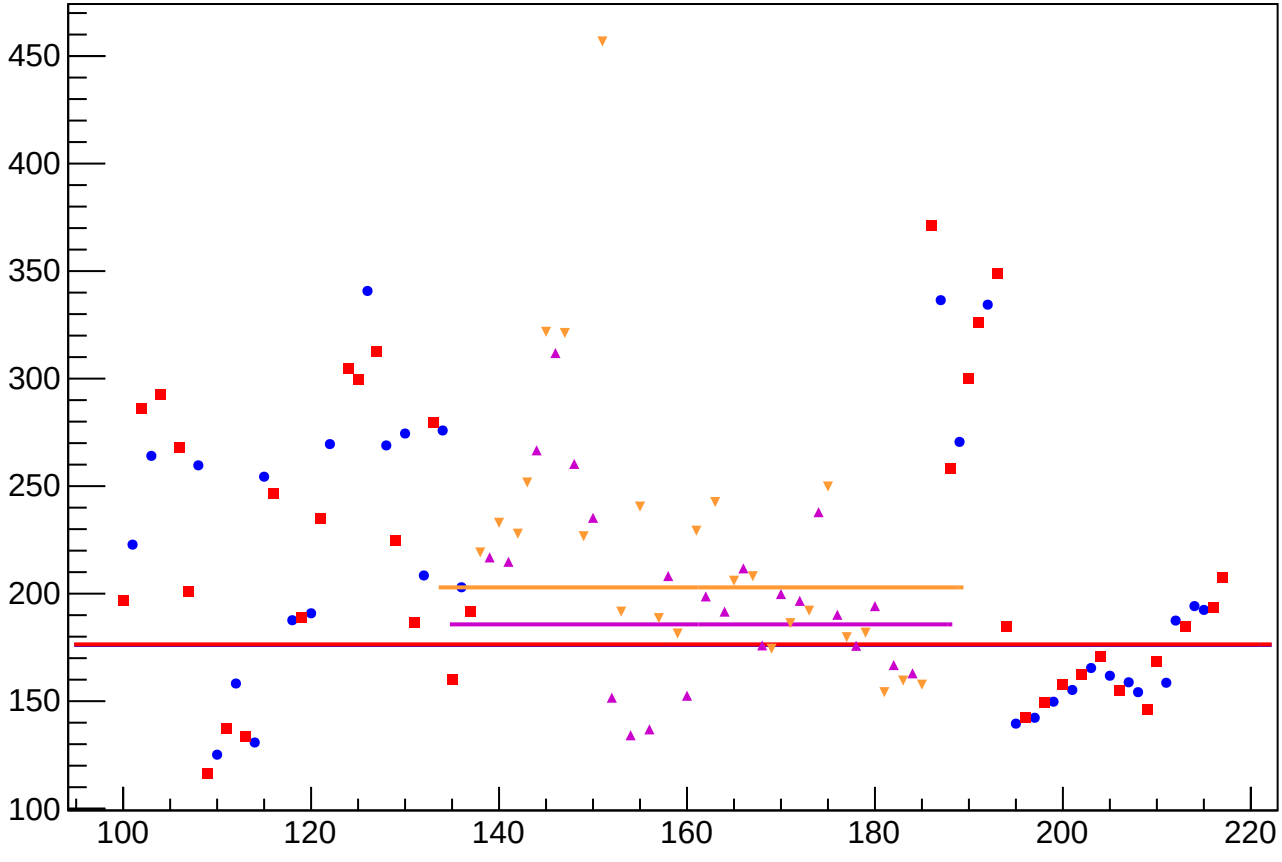
Right: -237.252+/-29.116 χ^2/NDF: 75.7/66

In: -61.619+/-30.609 χ^2/NDF:76.0/53

Out: -83.370+/-30.993 χ^2/NDF:91.0/60

All: -72.359+/-21.778 χ^2/NDF: 167.3/114

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: 176.393+/-0.029 χ^2/NDF: 2818883.8/35

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

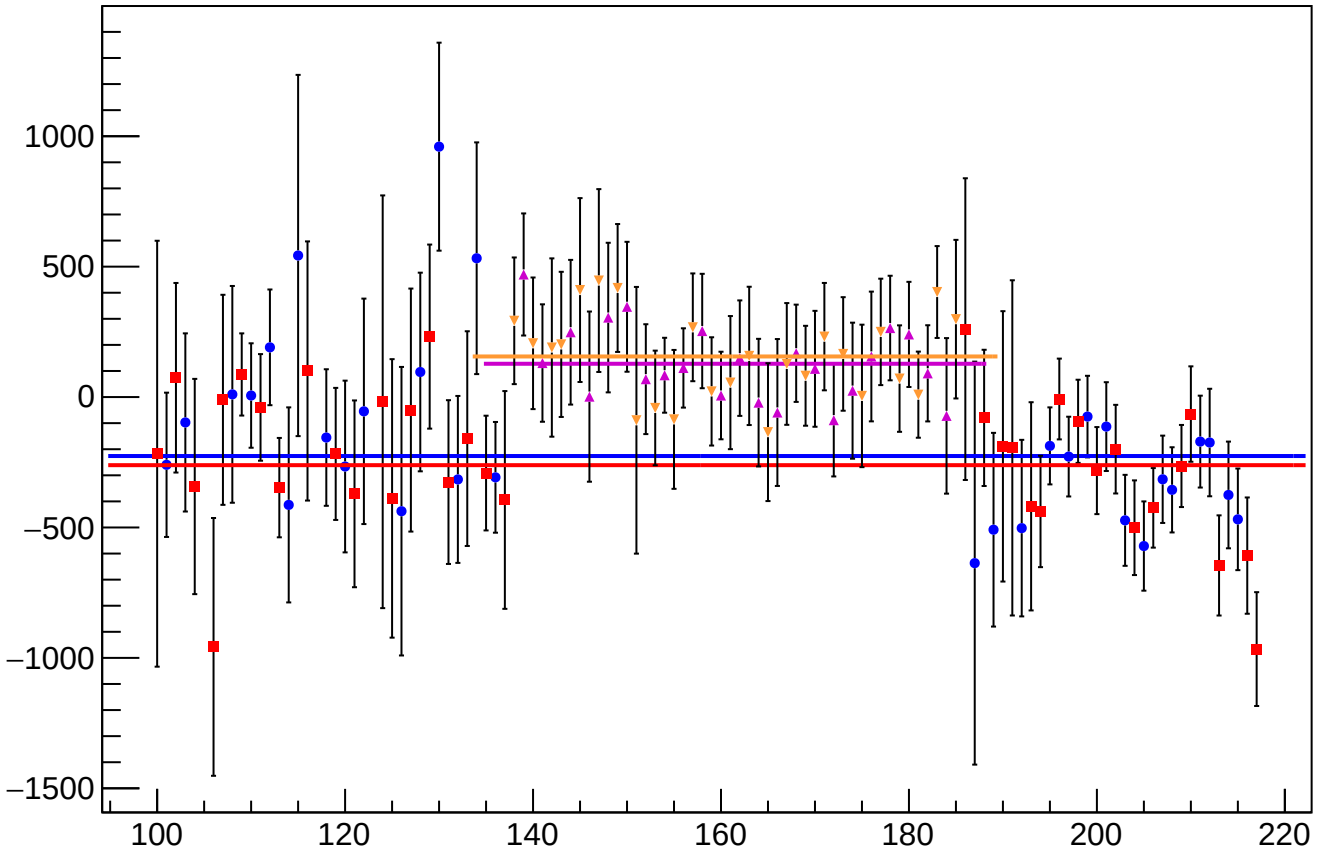
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 176.278+/-0.021 χ^2/NDF: 5023416.4/66

In: 180.541+/-0.022 χ^2/NDF:3742410.4/53

Out: 187.588+/-0.022 χ^2/NDF:4876379.8/60

All: 184.020+/-0.015 χ^2/NDF: 8671136.2/114



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: -261.107+/-40.157 χ^2/NDF: 39.7/35

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

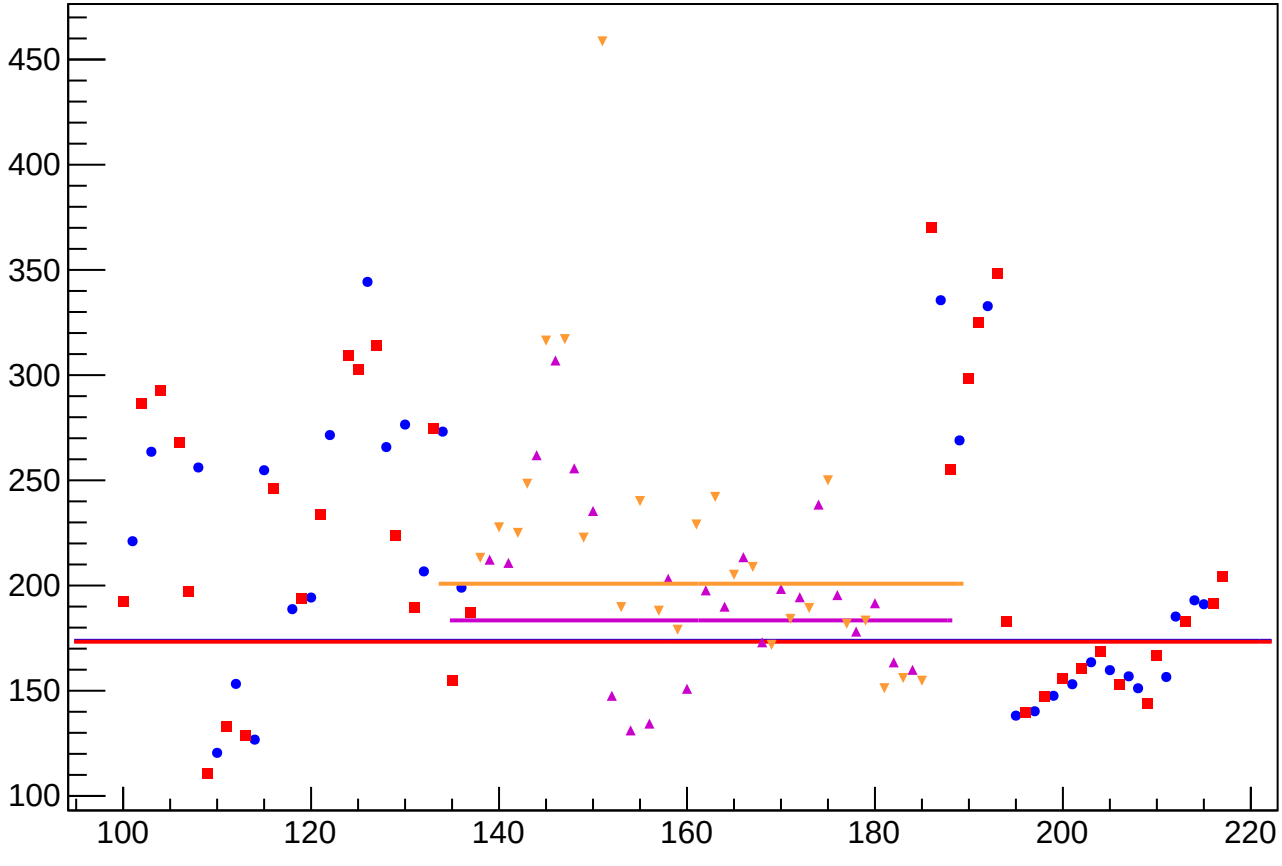
Right: -243.986+/-28.717 χ^2/NDF: 72.2/66

In: -64.093+/-30.247 χ^2/NDF:74.1/53

Out: -86.383+/-30.603 χ^2/NDF:95.5/60

All: -75.107+/-21.512 χ^2/NDF: 169.9/114

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: 173.312+/-0.028 χ^2/NDF: 2991307.8/35

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

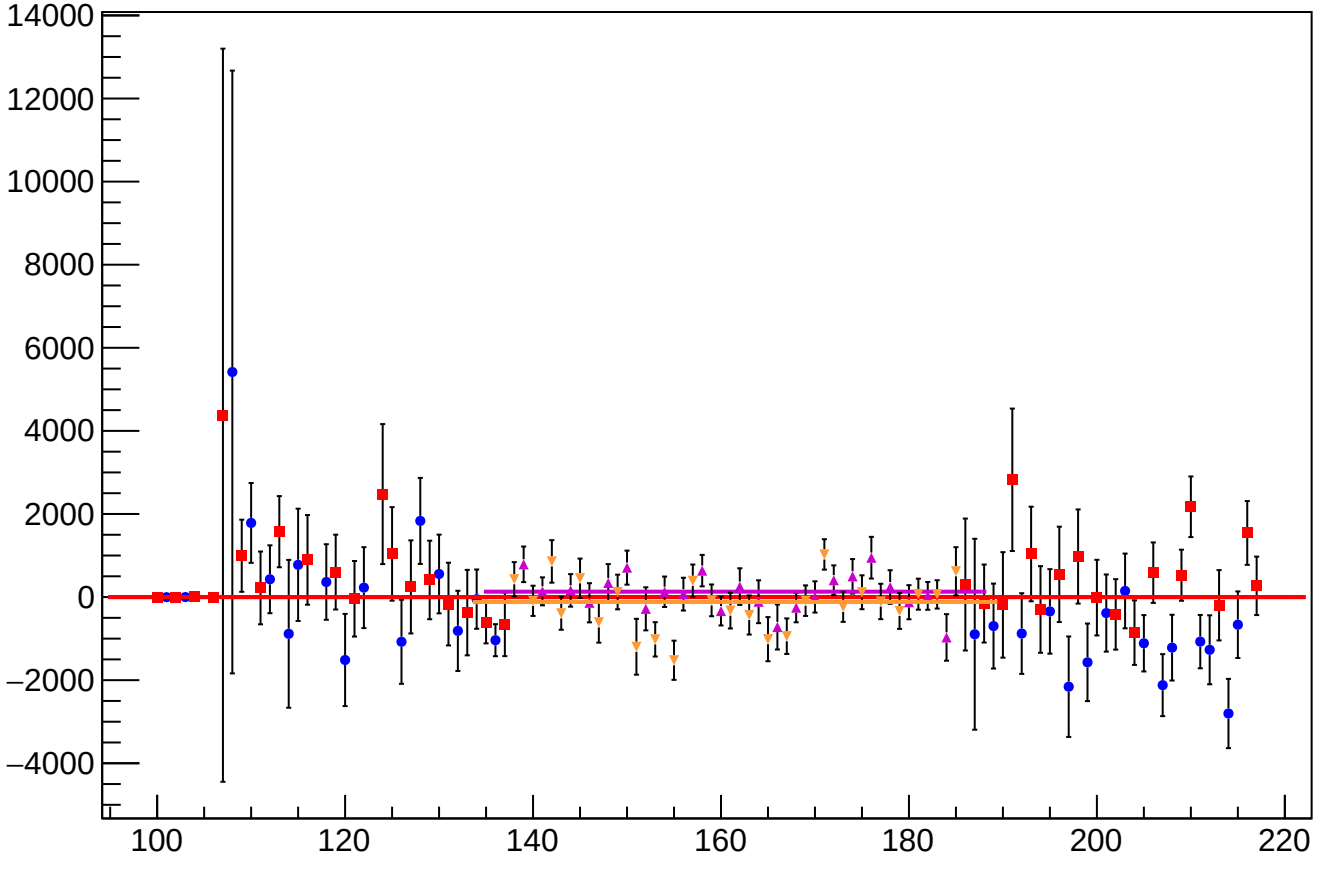
Right: 173.512+/-0.020 χ^2/NDF: 5286816.7/66

In: 178.169+/-0.021 χ^2/NDF:3877266.0/53

Out: 184.863+/-0.022 χ^2/NDF:5113444.0/60

All: 181.477+/-0.015 χ^2/NDF: 9039125.2/114

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: 1.418+/-2.022 χ^2/NDF: 37.5/35

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

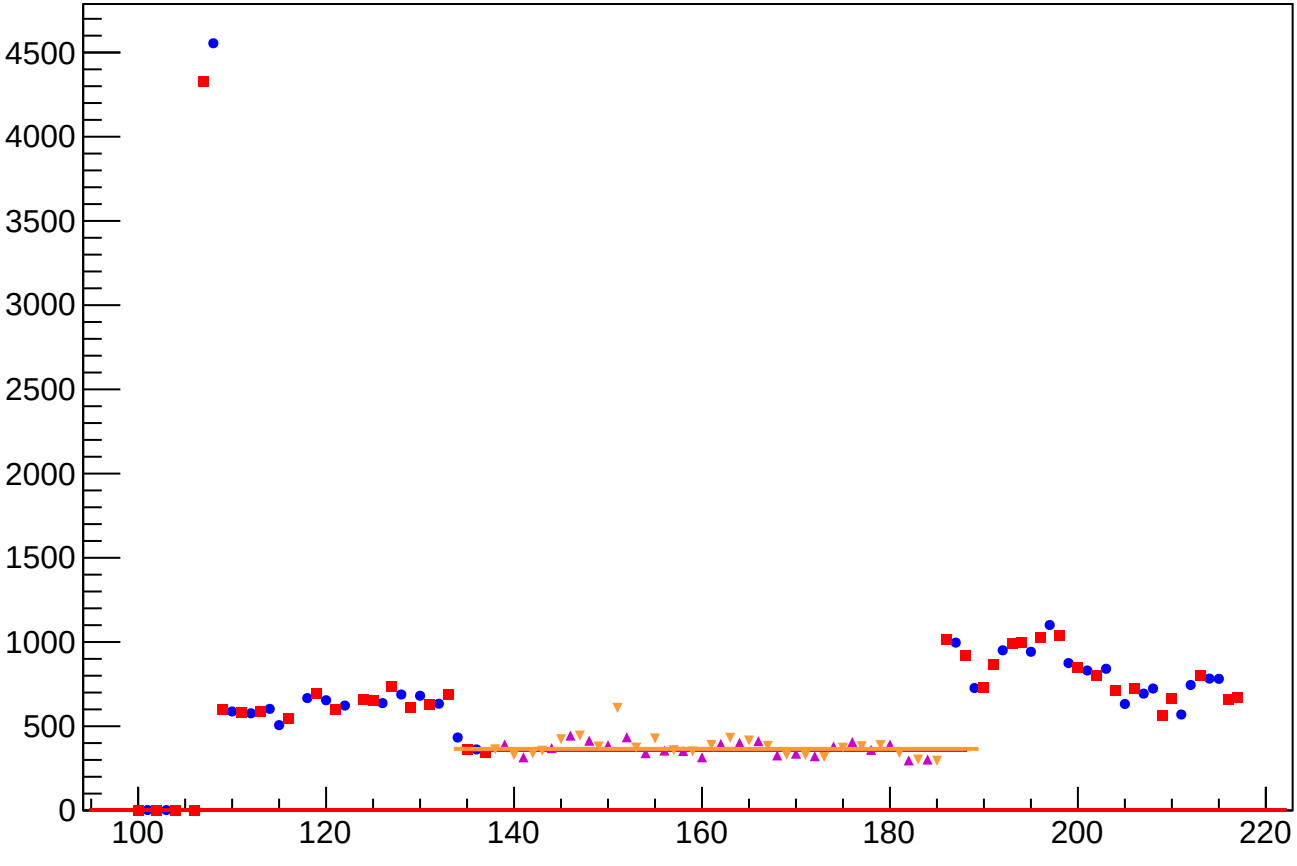
Right: 0.132+/-1.480 χ^2/NDF: 96.2/66

In: -1.263+/-2.170 χ^2/NDF:81.9/53

Out: 1.349+/-2.022 χ^2/NDF:85.8/60

All: 0.135+/-1.479 χ^2/NDF: 168.5/114

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: 2.529+/-0.001 χ^2/NDF: 37507911.2/35

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

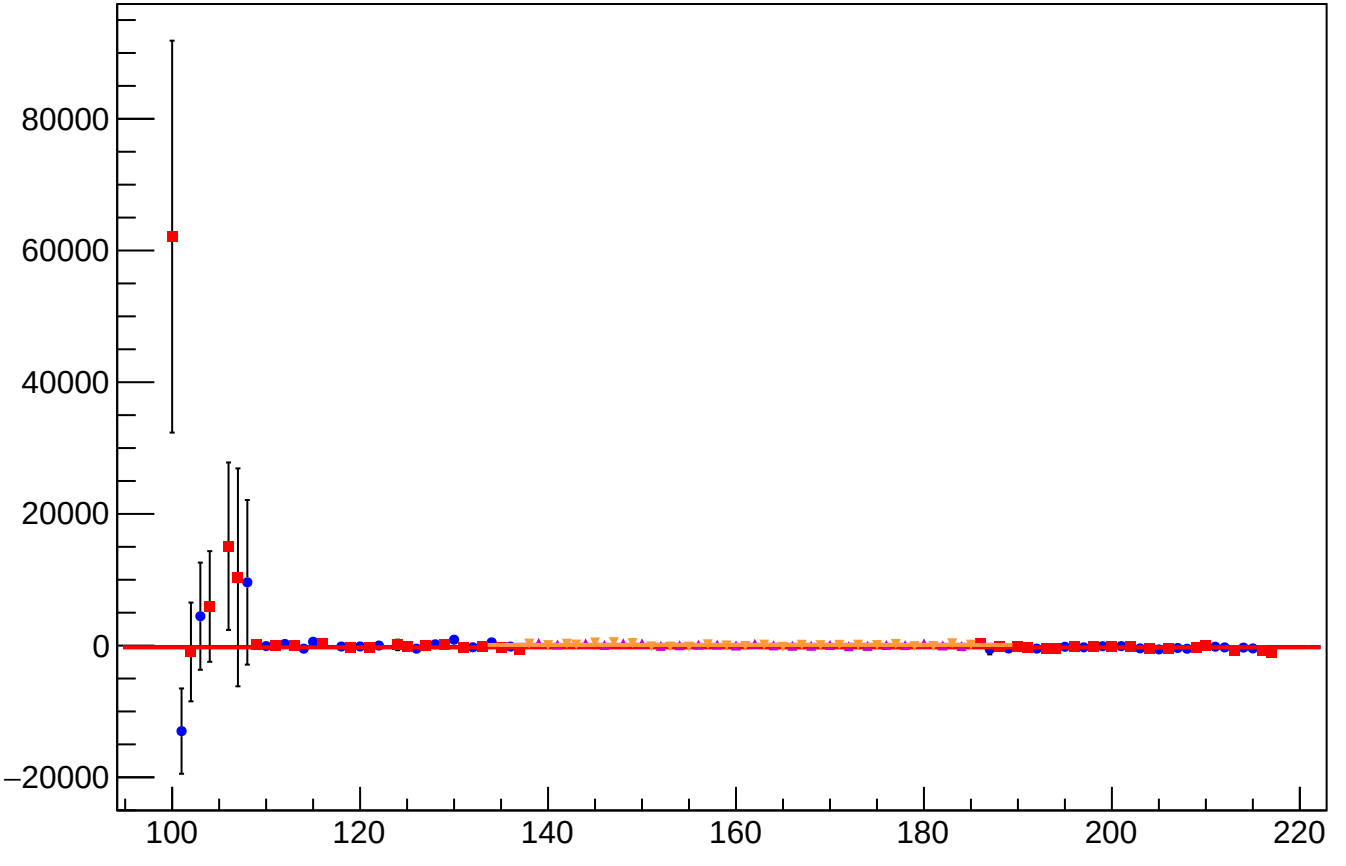
Right: 2.538+/-0.001 χ^2/NDF: 72754858.5/66

In: 2.780+/-0.002 χ^2/NDF:70785096.4/53

Out: 2.739+/-0.001 χ^2/NDF:75335333.9/60

All: 2.758+/-0.001 χ^2/NDF: 146120815.1/114

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: -267.094+/-43.982 χ^2/NDF: 48.5/35

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

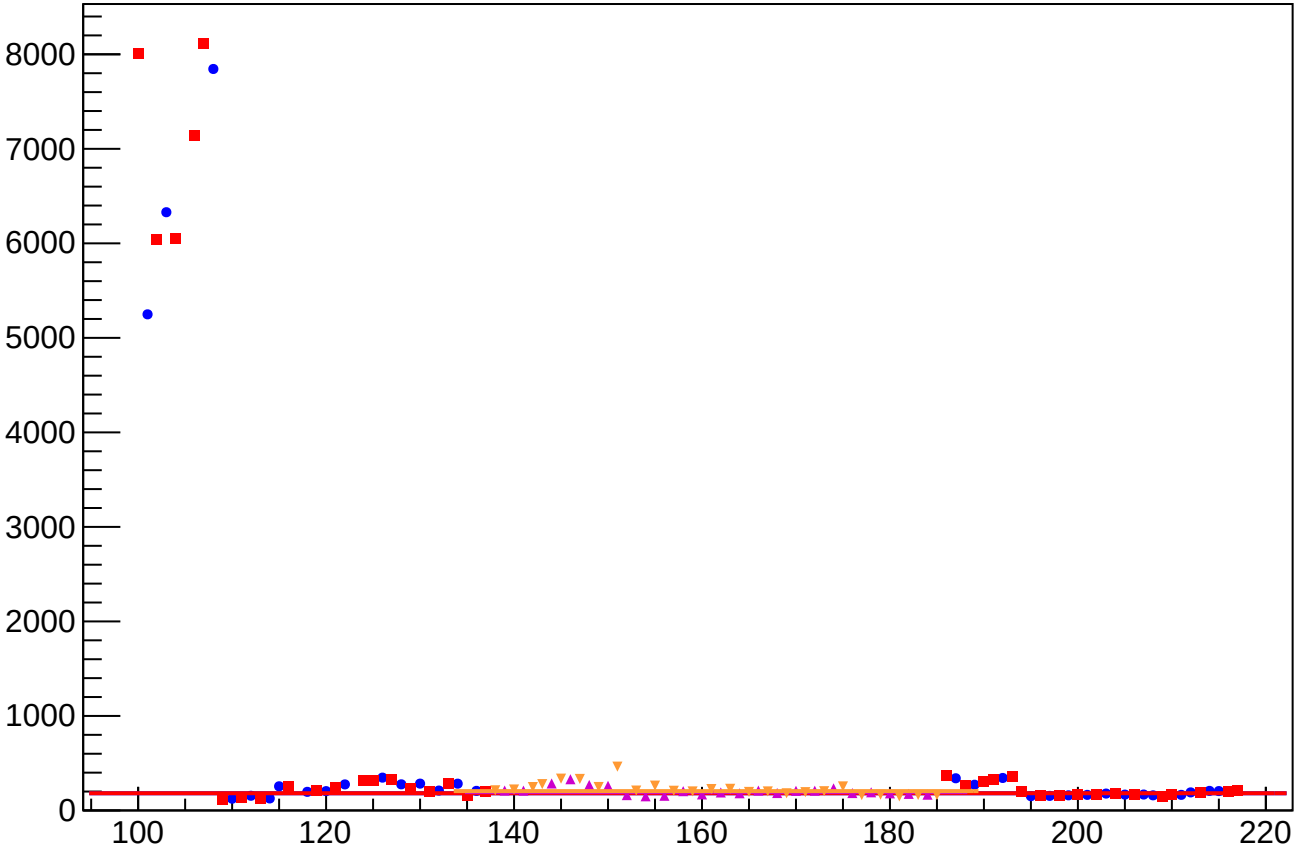
Right: -246.136+/-31.323 χ^2/NDF: 83.4/66

In: -61.385+/-32.345 χ^2/NDF:71.9/53

Out: -100.678+/-32.504 χ^2/NDF:92.8/60

All: -80.935+/-22.928 χ^2/NDF: 165.5/114

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: 182.230+/-0.031 χ^2/NDF: 5655099.0/35

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

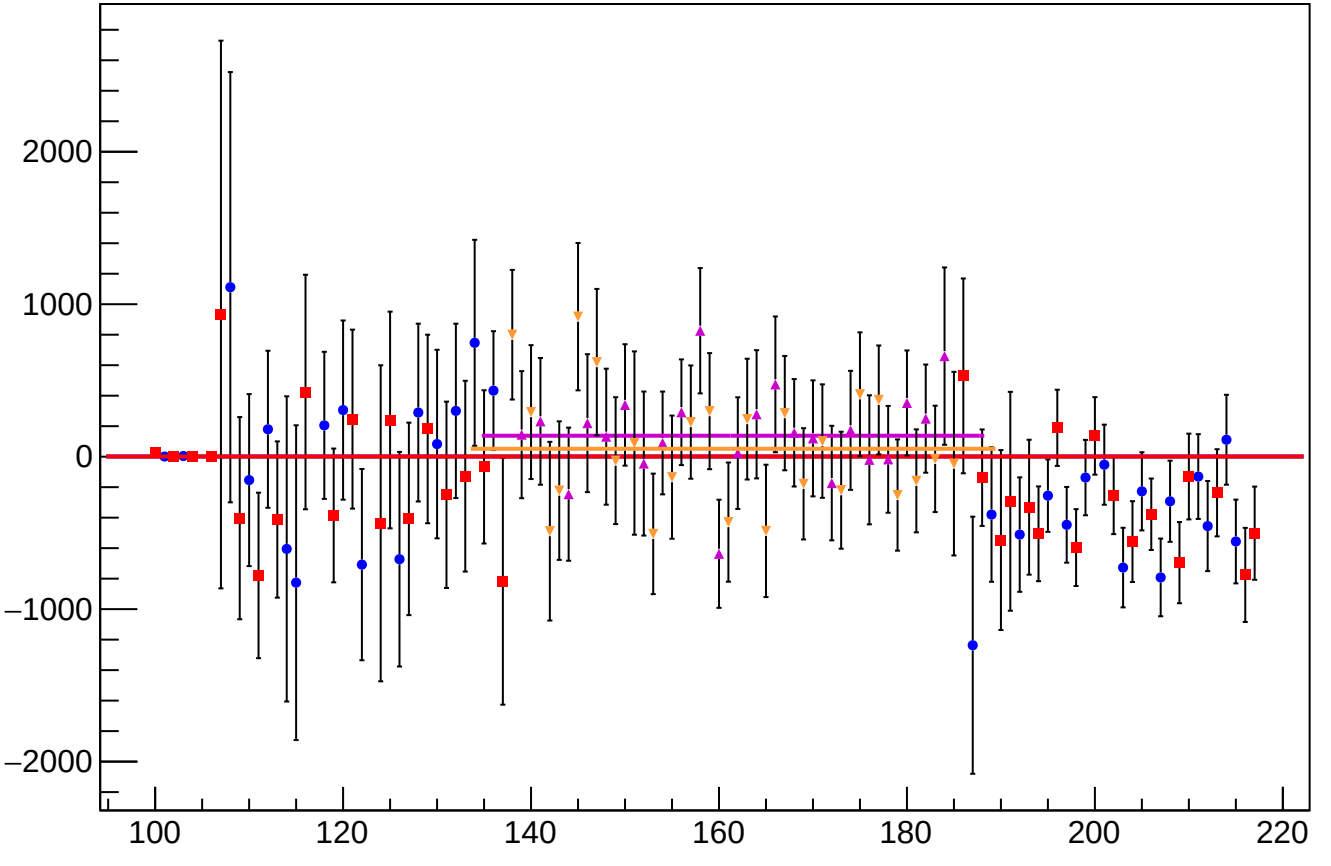
Right: 182.012+/-0.022 χ^2/NDF: 10605818.8/66

In: 187.532+/-0.023 χ^2/NDF:6212089.1/53

Out: 192.373+/-0.023 χ^2/NDF:7864625.3/60

All: 189.941+/-0.016 χ^2/NDF: 14099003.9/11

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: 0.953+/-1.527 χ^2/NDF: 45.6/35

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

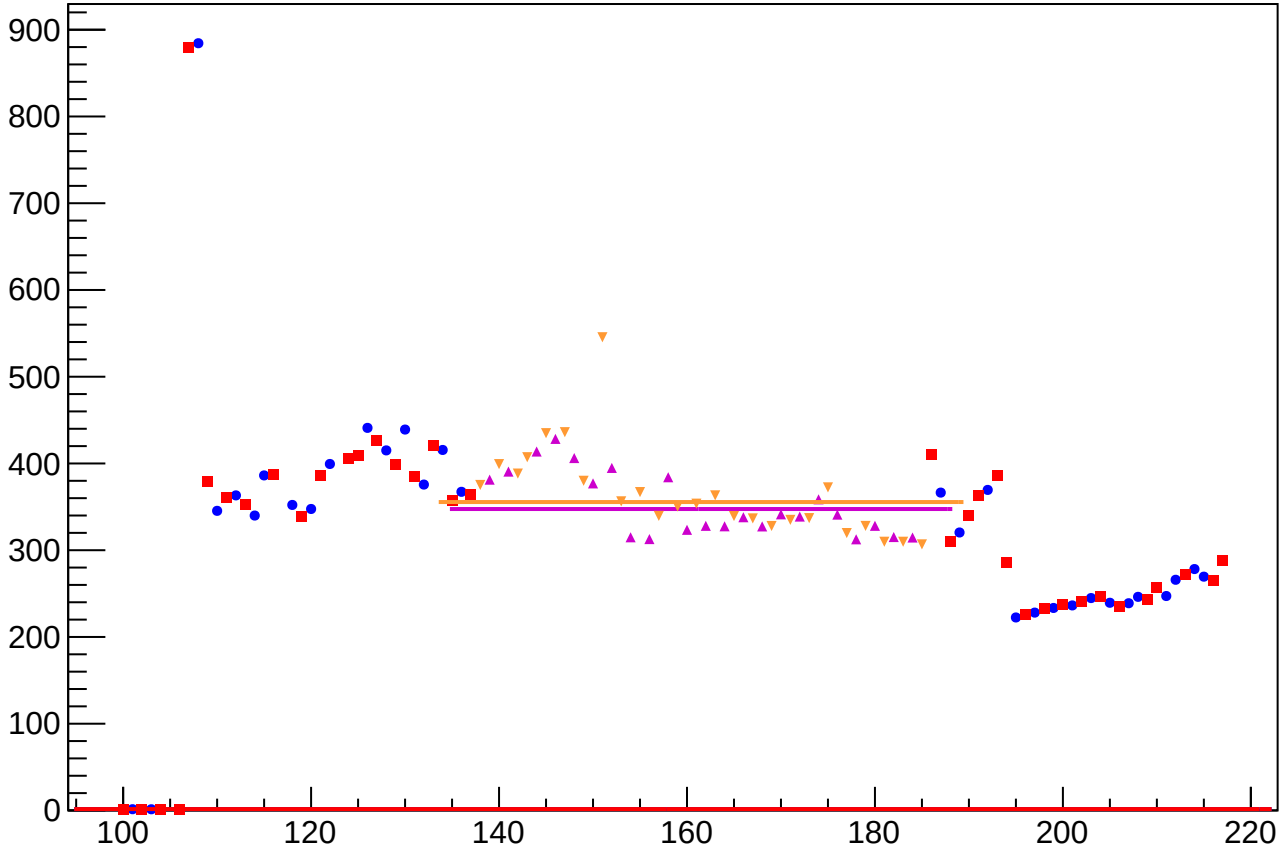
Right: 1.100+/-1.124 χ^2/NDF: 89.4/66

In: 1.330+/-1.660 χ^2/NDF:58.7/53

Out: 0.971+/-1.527 χ^2/NDF:65.4/60

All: 1.136+/-1.124 χ^2/NDF: 124.1/114

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: 1.581+/-0.001 χ^2/NDF: 37154349.2/35

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

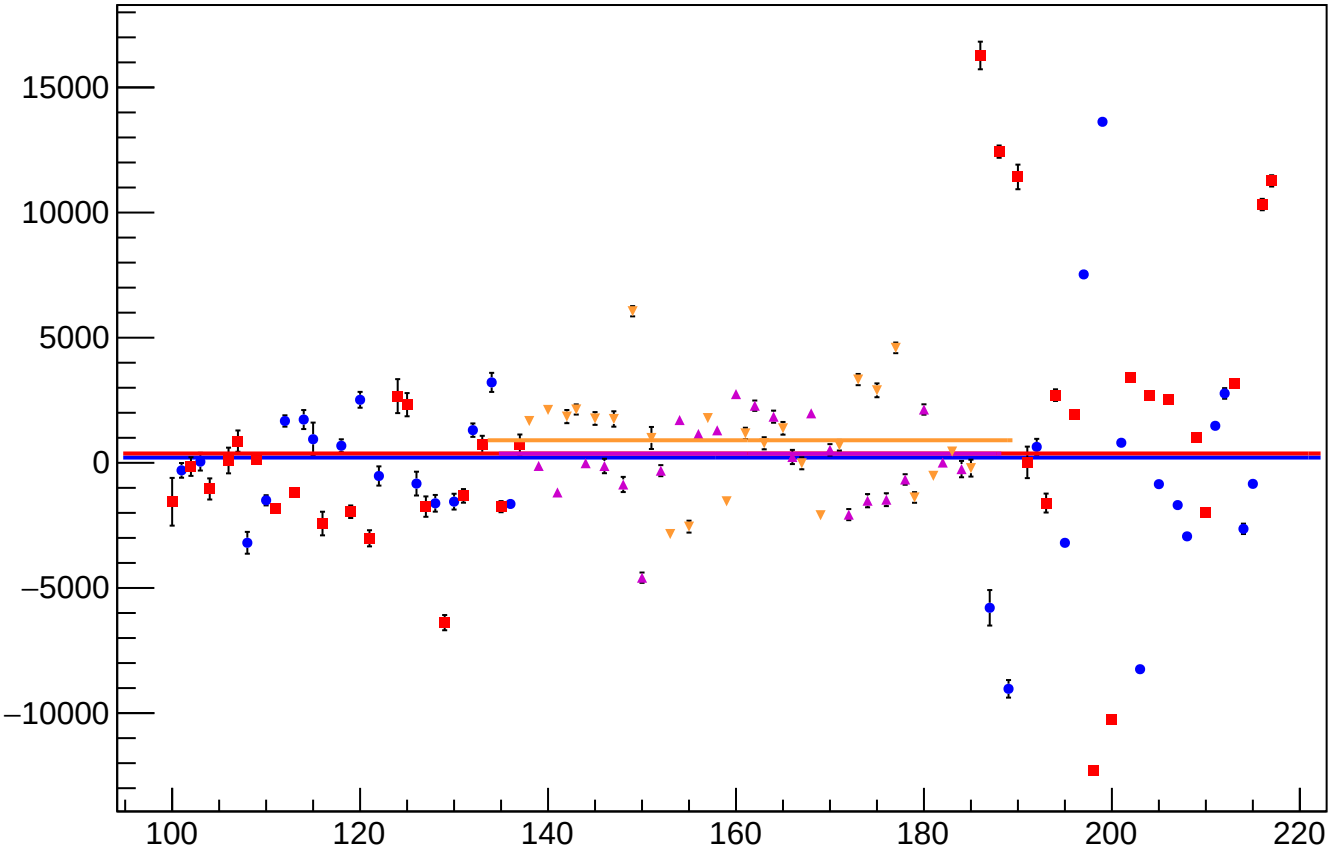
Right: 1.589+/-0.001 χ^2/NDF: 72699118.5/66

In: 1.740+/-0.001 χ^2/NDF:71363465.4/53

Out: 1.705+/-0.001 χ^2/NDF:75342421.2/60

All: 1.721+/-0.001 χ^2/NDF: 146706376.4/114

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: 373.899+/-41.650 χ^2/NDF: 18764.4/35

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

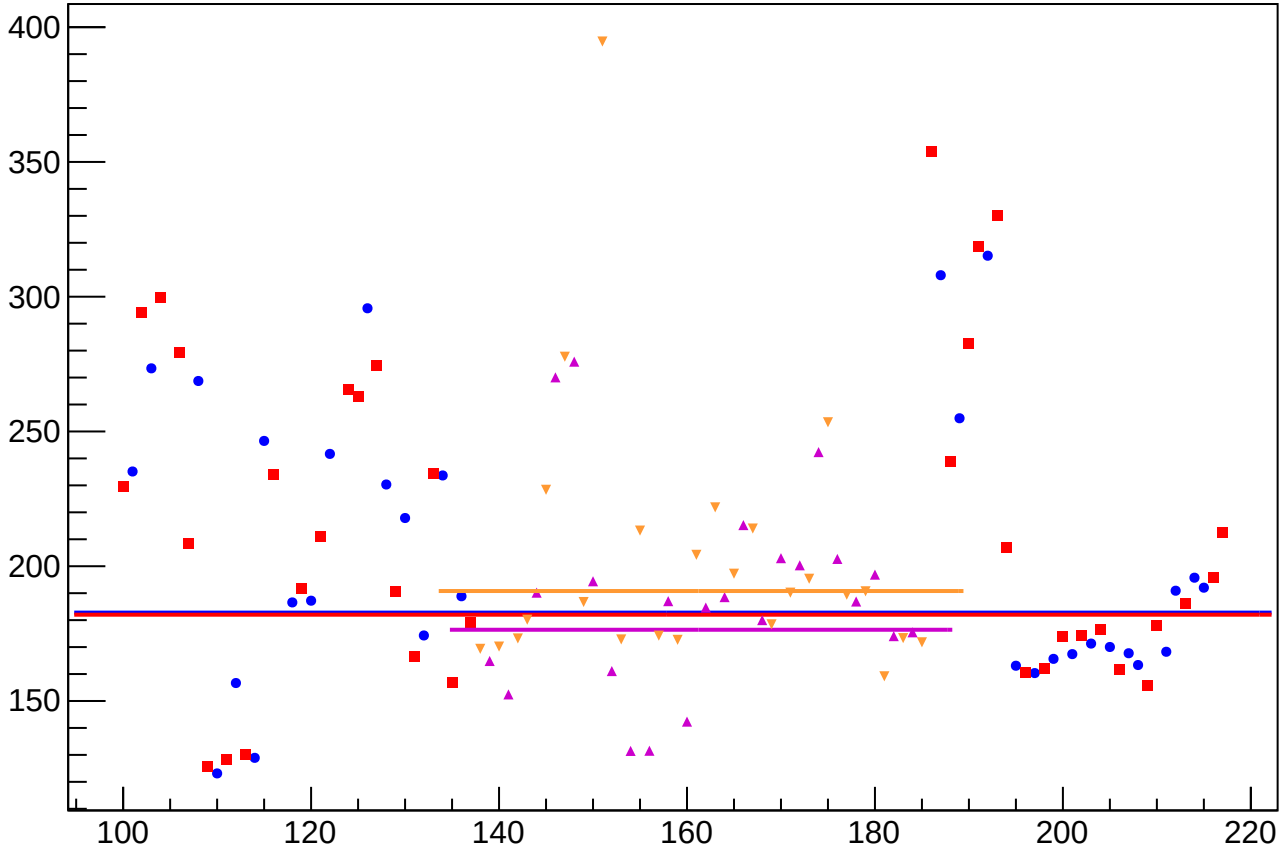
Right: 294.414+/-29.822 χ^2/NDF: 31013.9/66

In: 289.560+/-30.200 χ^2/NDF:13841.7/53

Out: 620.368+/-30.403 χ^2/NDF:21250.4/60

All: 453.859+/-21.426 χ^2/NDF: 35151.7/114

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: 182.020+/-0.029 χ^2/NDF: 2233911.5/35

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

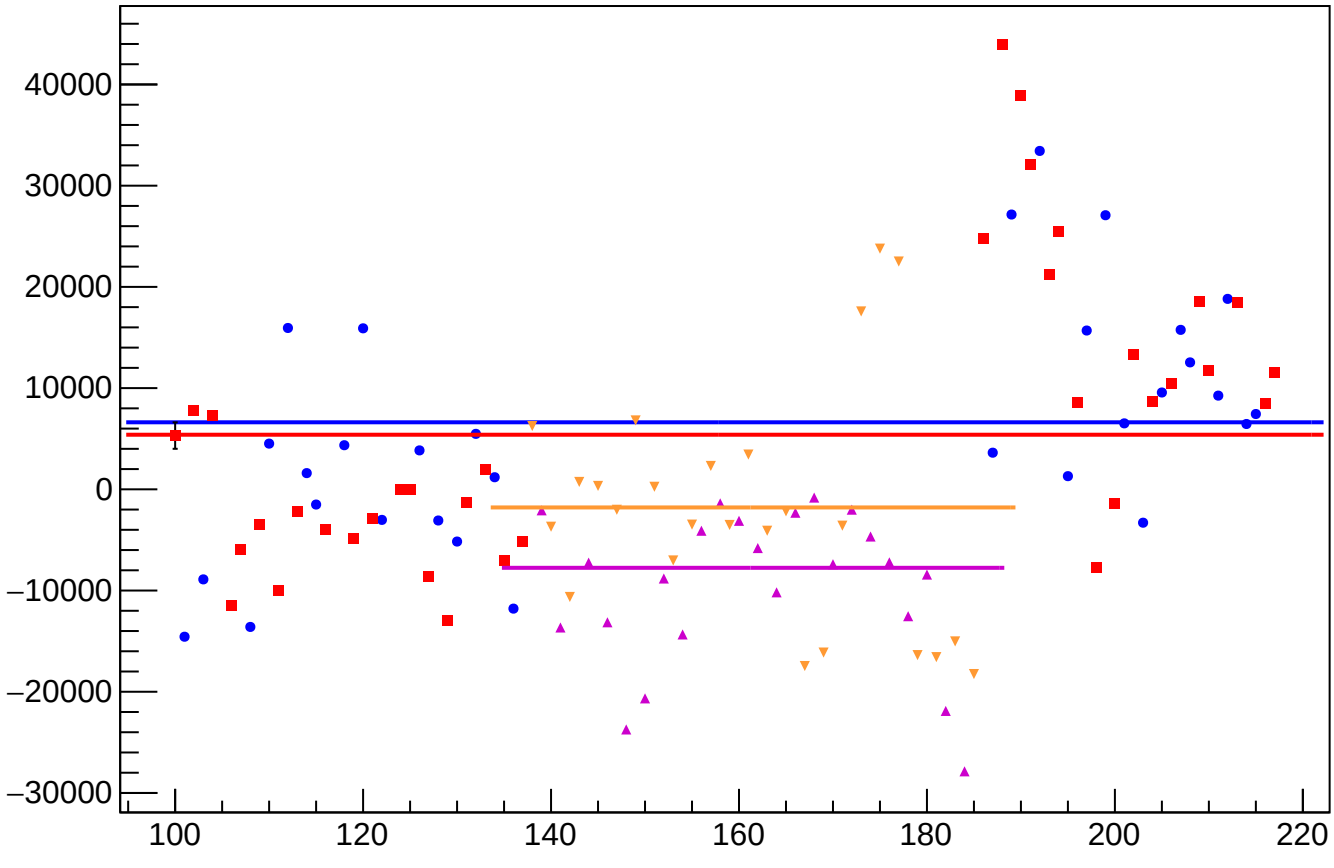
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 182.396+/-0.021 χ^2/NDF: 3690726.5/66

In: 179.610+/-0.021 χ^2/NDF:2736314.1/53

Out: 186.122+/-0.021 χ^2/NDF:3295037.1/60

All: 182.844+/-0.015 χ^2/NDF: 6077546.0/114



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: 5393.881+/-36.880 χ^2/NDF: 147782.5/35

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

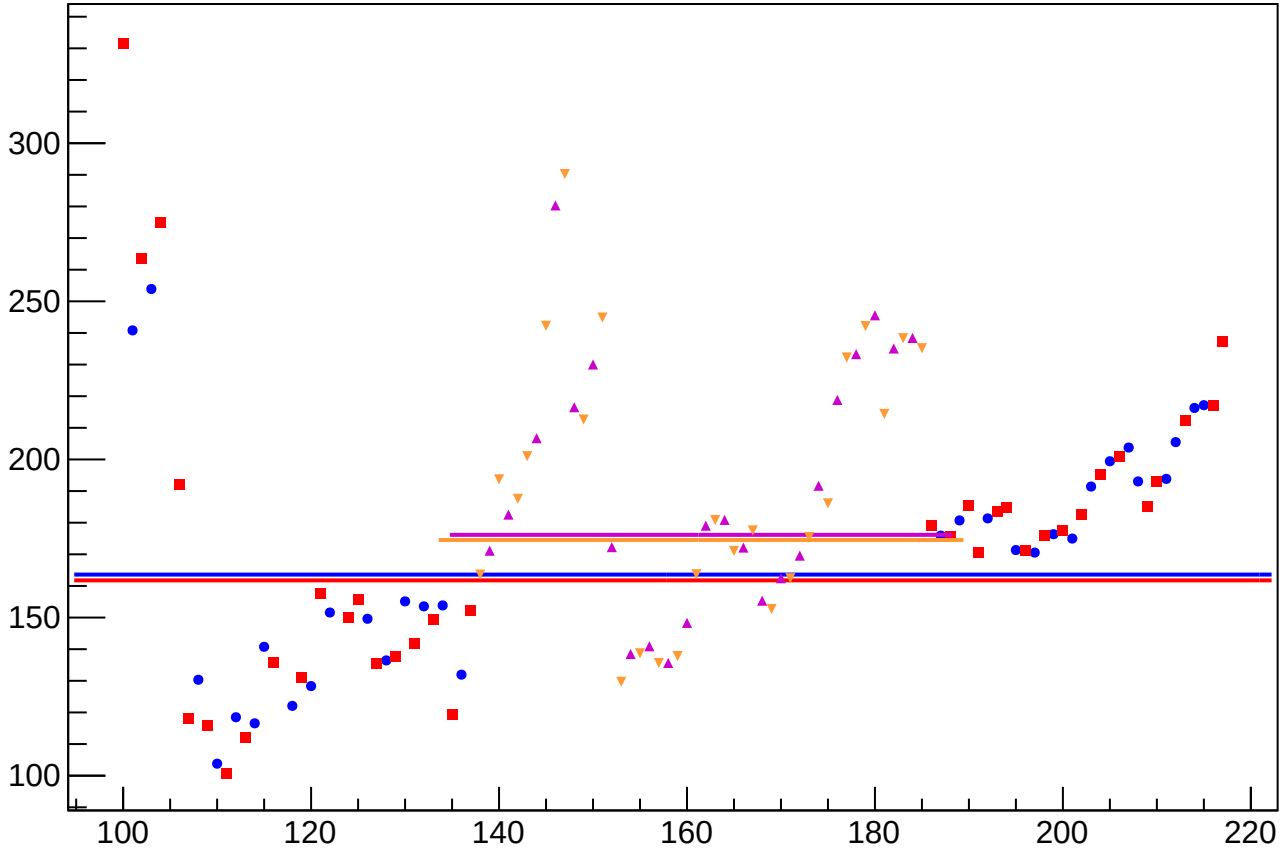
Right: 5981.698+/-26.630 χ^2/NDF: 245021.4/66

In: 155.093+/-28.552 χ^2/NDF:182730.7/53

Out: 2172.940+/-27.393 χ^2/NDF:230540.8/60

All: 1205.823+/-19.767 χ^2/NDF: 415872.3/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 163.592+/-0.027 χ^2/NDF: 1660588.8/30

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 161.760+/-0.026 χ^2/NDF: 2117564.2/35

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

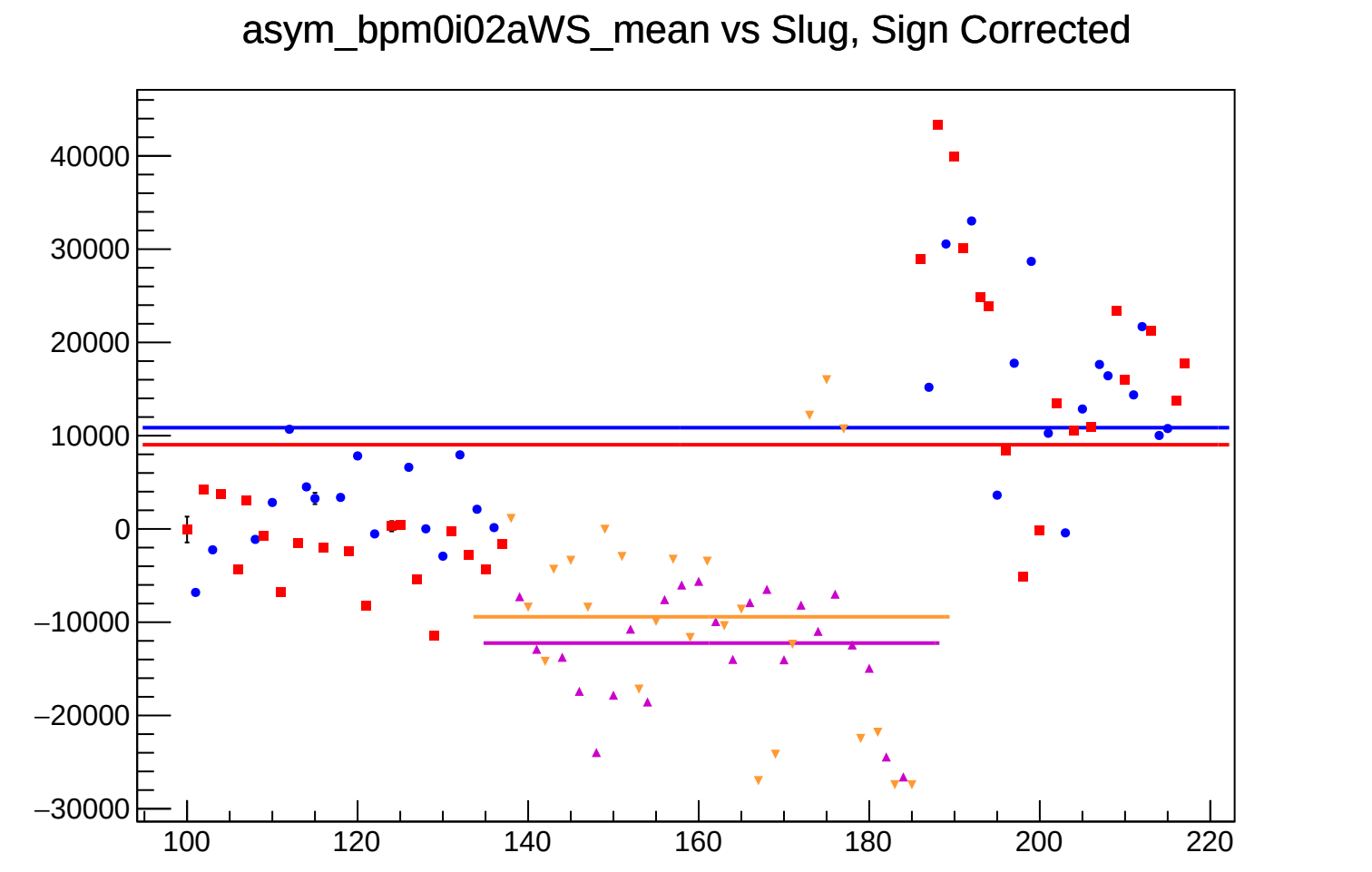
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 162.637+/-0.019 χ^2/NDF: 3780514.0/66

In: 169.243+/-0.020 χ^2/NDF:3123469.2/53

Out: 167.481+/-0.019 χ^2/NDF:3884374.4/60

All: 168.326+/-0.014 χ^2/NDF: 7011808.7/114



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: 9028.540+/-40.318 χ^2/NDF: 119882.2/35

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

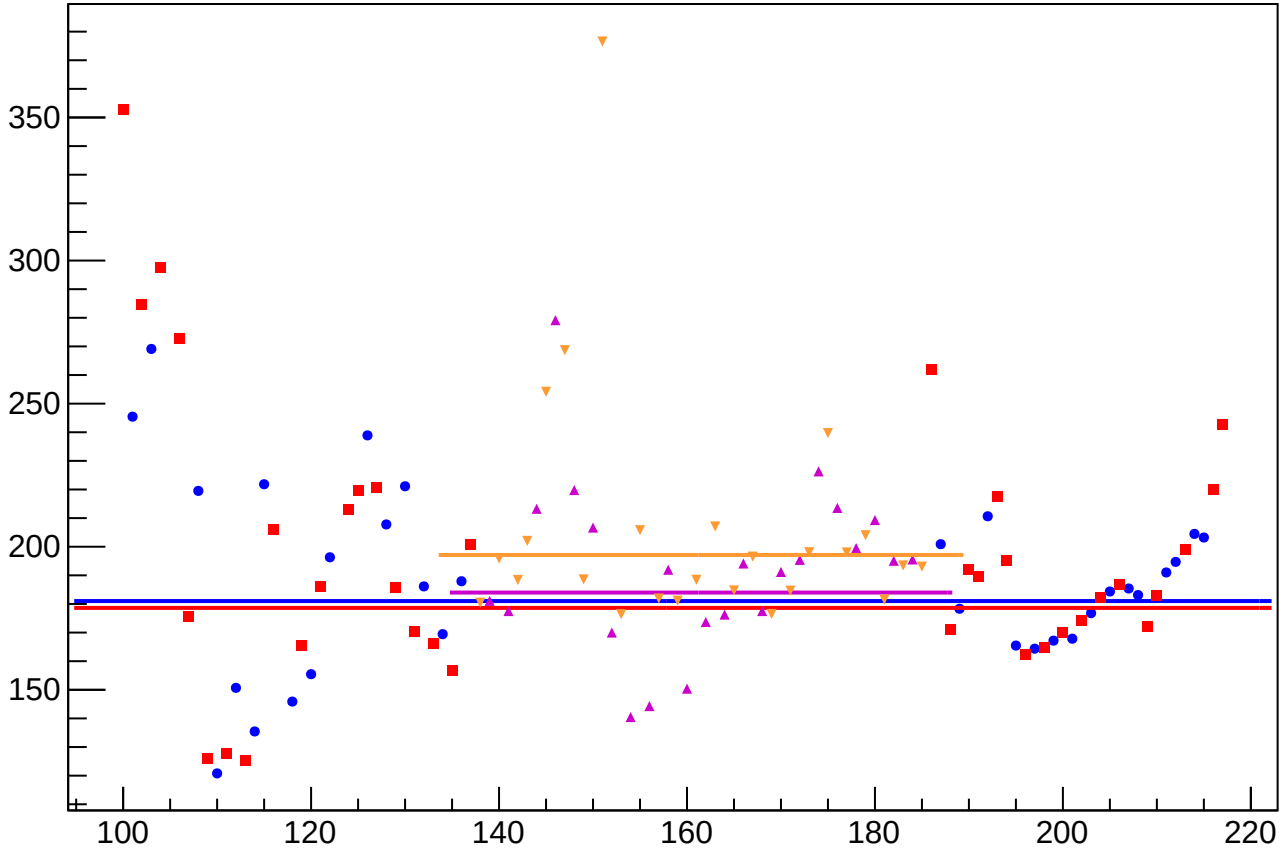
Right: 9906.599+/-29.081 χ^2/NDF: 177688.7/66

In: -98.256+/-30.440 χ^2/NDF:216399.7/53

Out: 953.553+/-30.233 χ^2/NDF:276246.2/60

All: 431.225+/-21.451 χ^2/NDF: 493246.9/114

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: 178.623+/-0.029 χ^2/NDF: 1419329.2/35

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

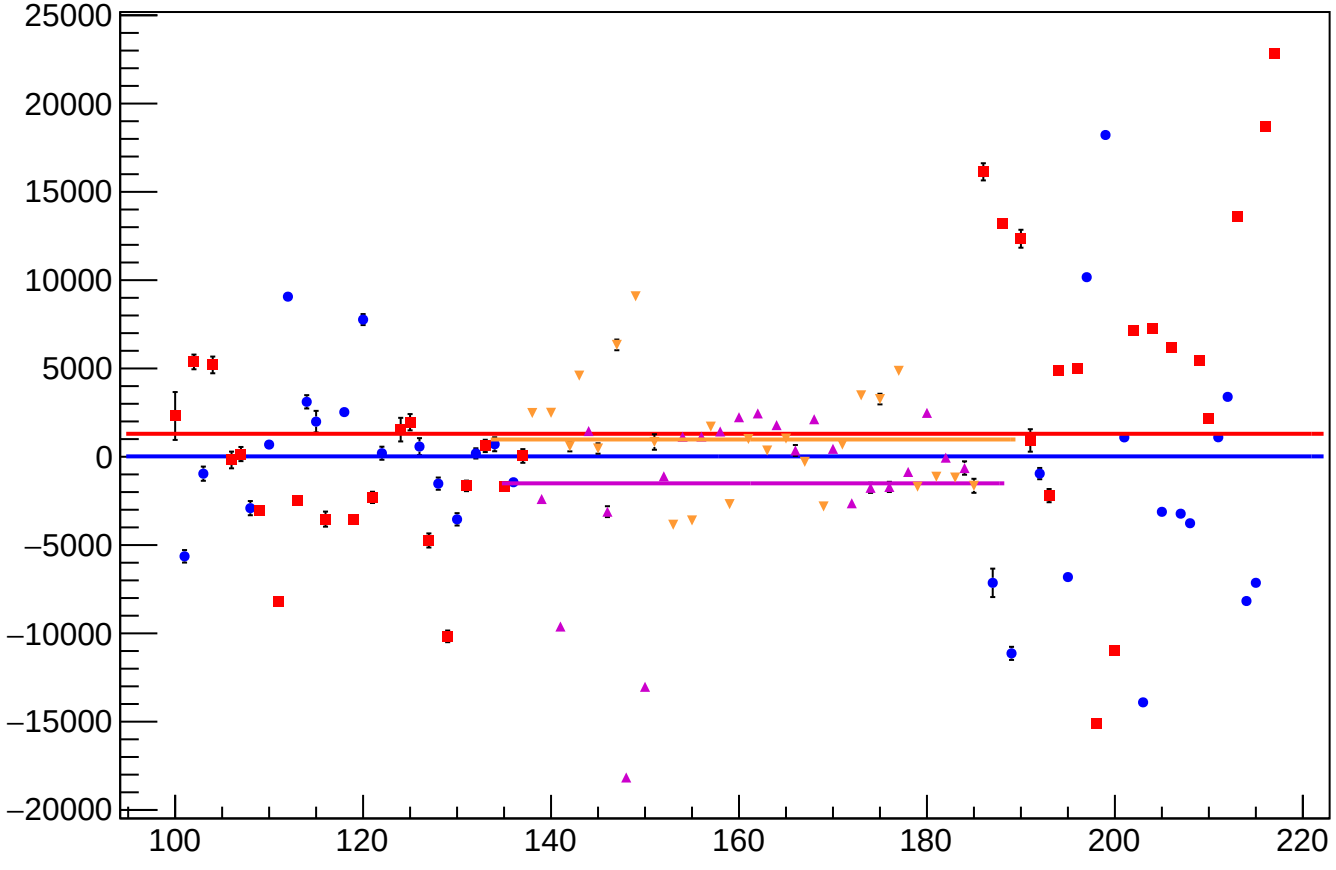
Right: 179.770+/-0.021 χ^2/NDF: 2258278.4/66

In: 182.424+/-0.022 χ^2/NDF:1670104.8/53

Out: 186.720+/-0.021 χ^2/NDF:2336159.9/60

All: 184.586+/-0.015 χ^2/NDF: 4026322.9/114

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: 1300.827+/-45.310 χ^2/NDF: 35397.5/35

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

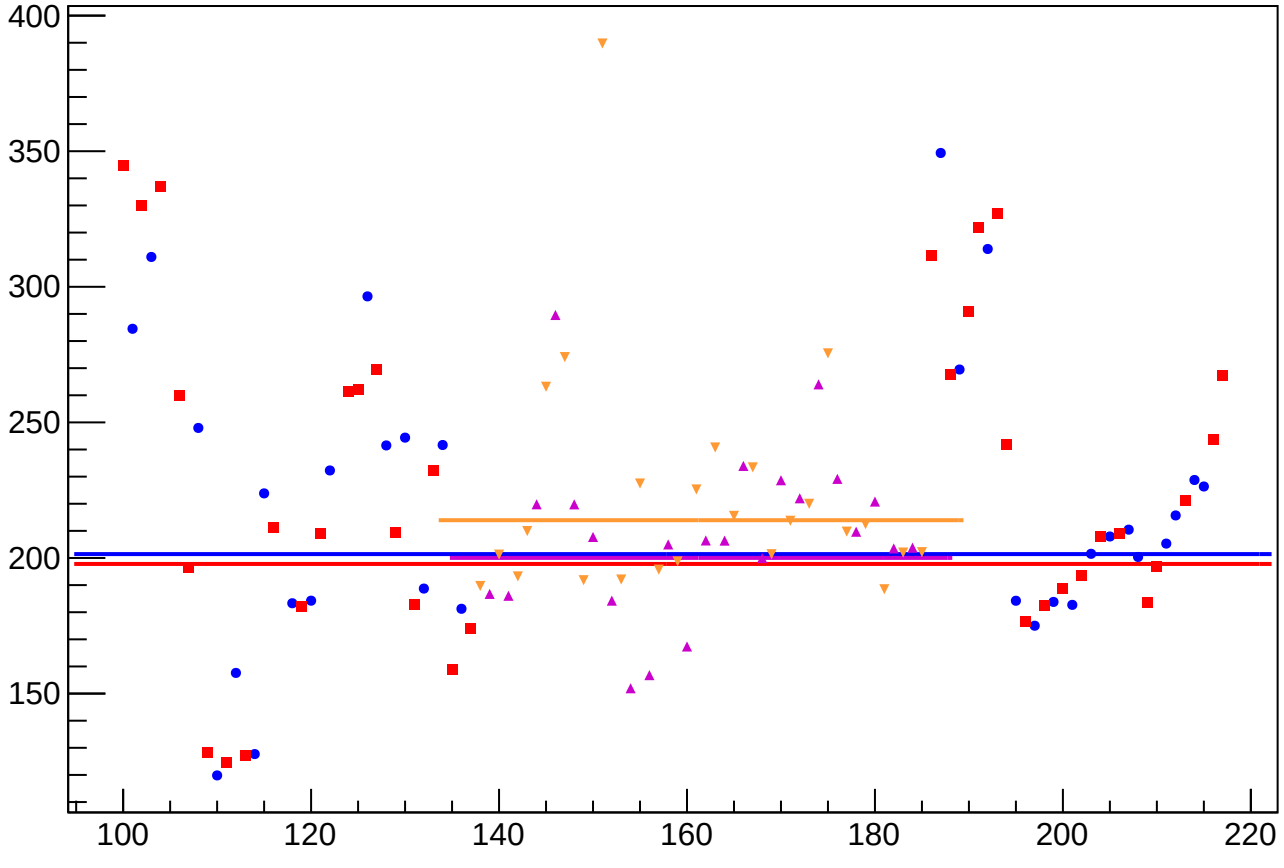
Right: 686.304+/-32.662 χ^2/NDF: 59653.5/66

In: -726.969+/-33.646 χ^2/NDF:35868.2/53

Out: 1154.193+/-33.455 χ^2/NDF:39743.4/60

All: 218.951+/-23.723 χ^2/NDF: 77183.5/114

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: 197.800+/-0.032 χ^2/NDF: 2469069.9/35

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

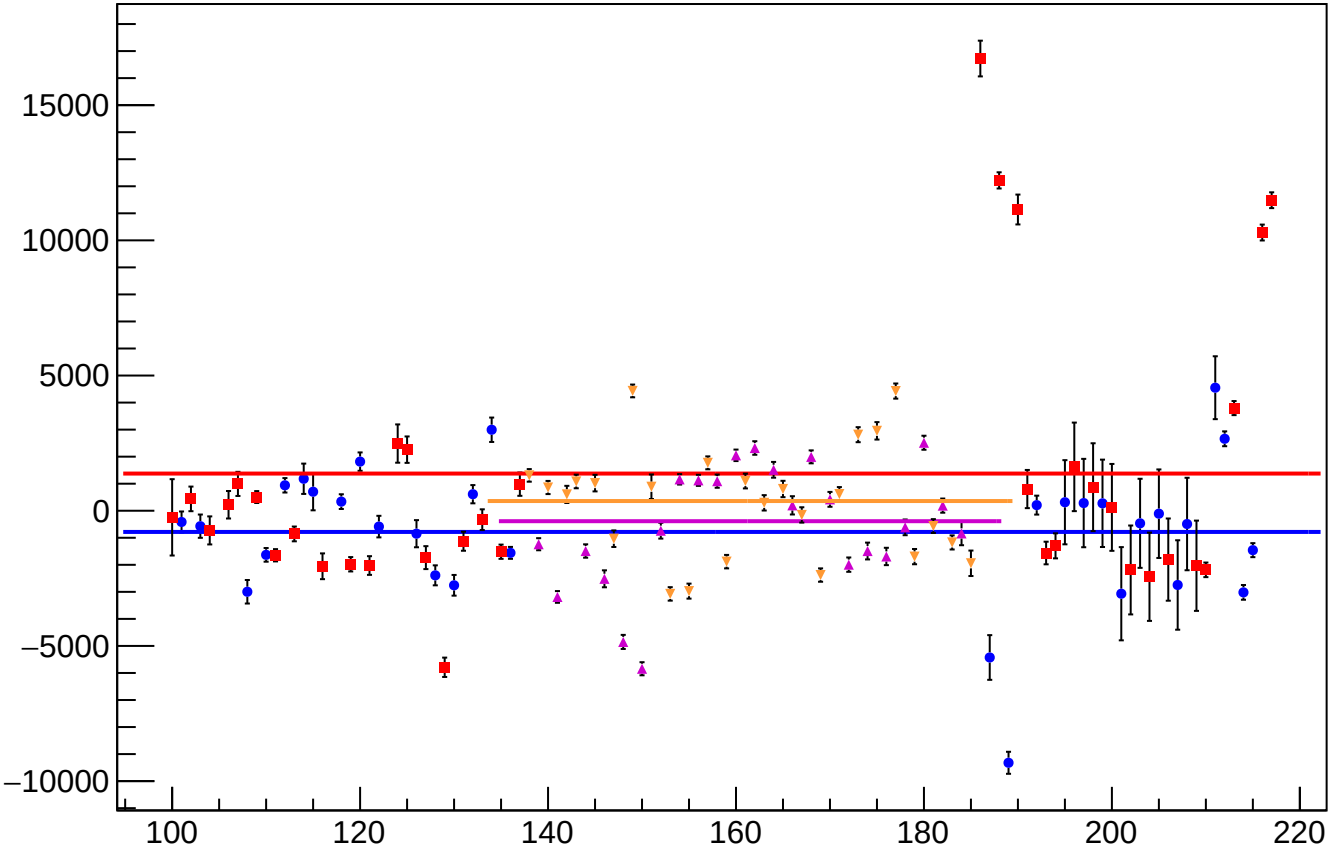
Right: 199.547+/-0.023 χ^2/NDF: 3991474.3/66

In: 200.747+/-0.024 χ^2/NDF:2302617.8/53

Out: 205.137+/-0.024 χ^2/NDF:3317998.2/60

All: 202.954+/-0.017 χ^2/NDF: 5637739.9/114

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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: 1374.849+/-65.072 χ^2/NDF: 5891.5/35

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

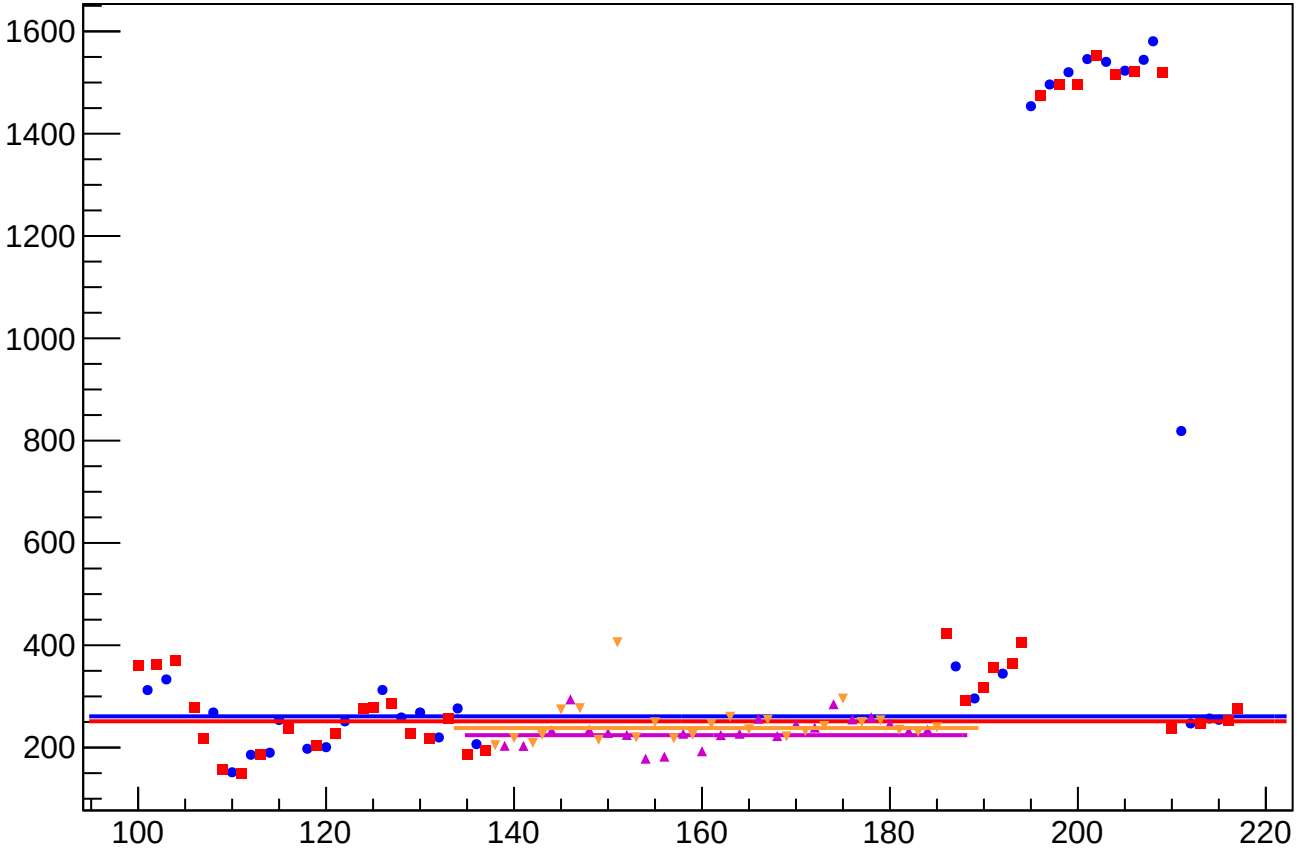
Right: 401.199+/-48.214 χ^2/NDF: 7441.9/66

In: -528.795+/-42.913 χ^2/NDF:2877.8/53

Out: 782.048+/-42.002 χ^2/NDF:7452.6/60

All: 140.694+/-30.017 χ^2/NDF: 10806.9/114

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: 251.365+/-0.046 χ^2/NDF: 10545575.5/35

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

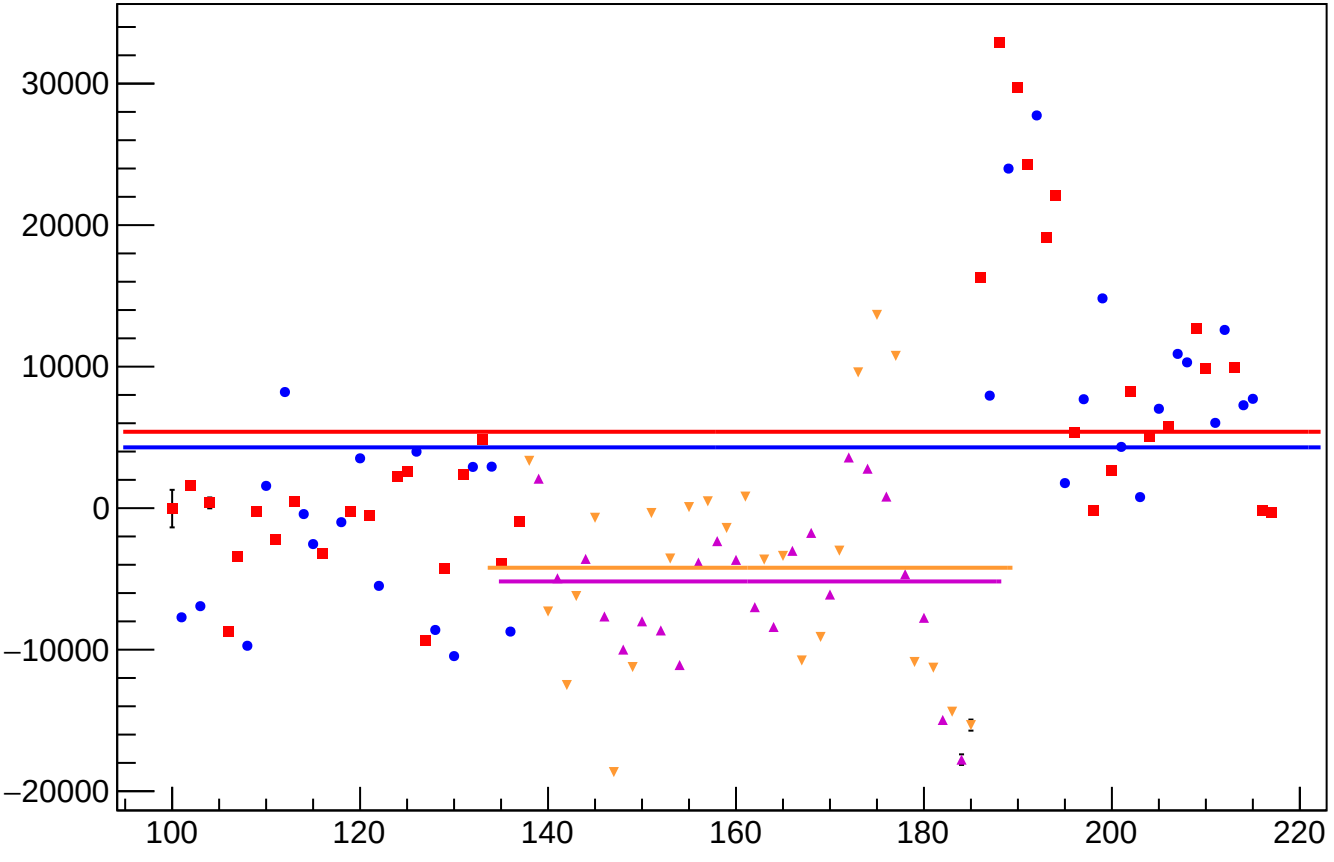
Right: 255.729+/-0.034 χ^2/NDF: 21626623.5/66

In: 237.370+/-0.030 χ^2/NDF:11962593.4/53

Out: 243.685+/-0.030 χ^2/NDF:11161275.6/60

All: 240.595+/-0.021 χ^2/NDF: 23145985.1/11

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: 5397.716+/-31.158 χ^2/NDF: 107251.7/35

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

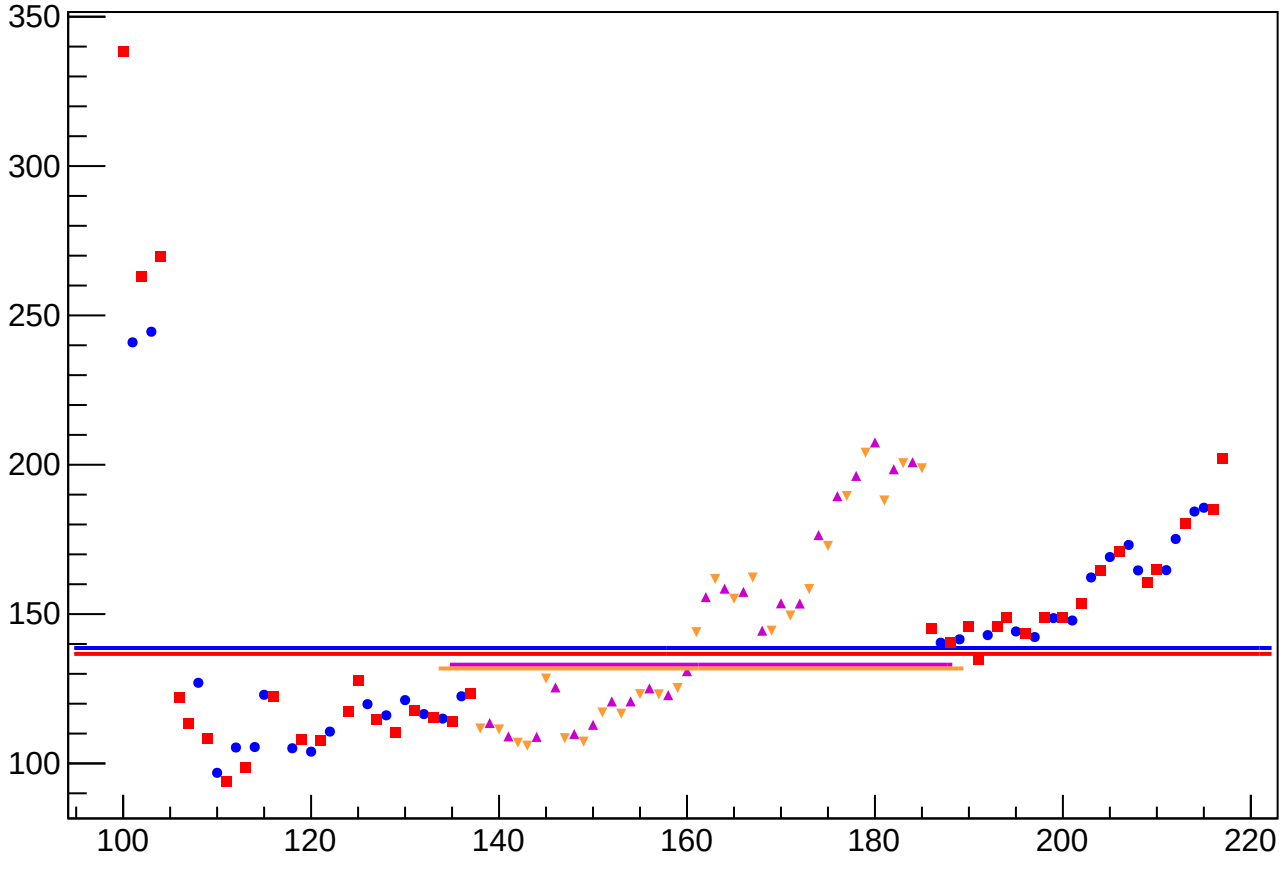
Right: 4873.682+/-22.555 χ^2/NDF: 189913.2/66

In: -546.633+/-22.857 χ^2/NDF:143546.3/53

Out: 542.525+/-21.914 χ^2/NDF:212108.2/60

All: 20.868+/-15.819 χ^2/NDF: 356837.6/114

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: 136.679+/-0.022 χ^2/NDF: 1985478.4/35

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

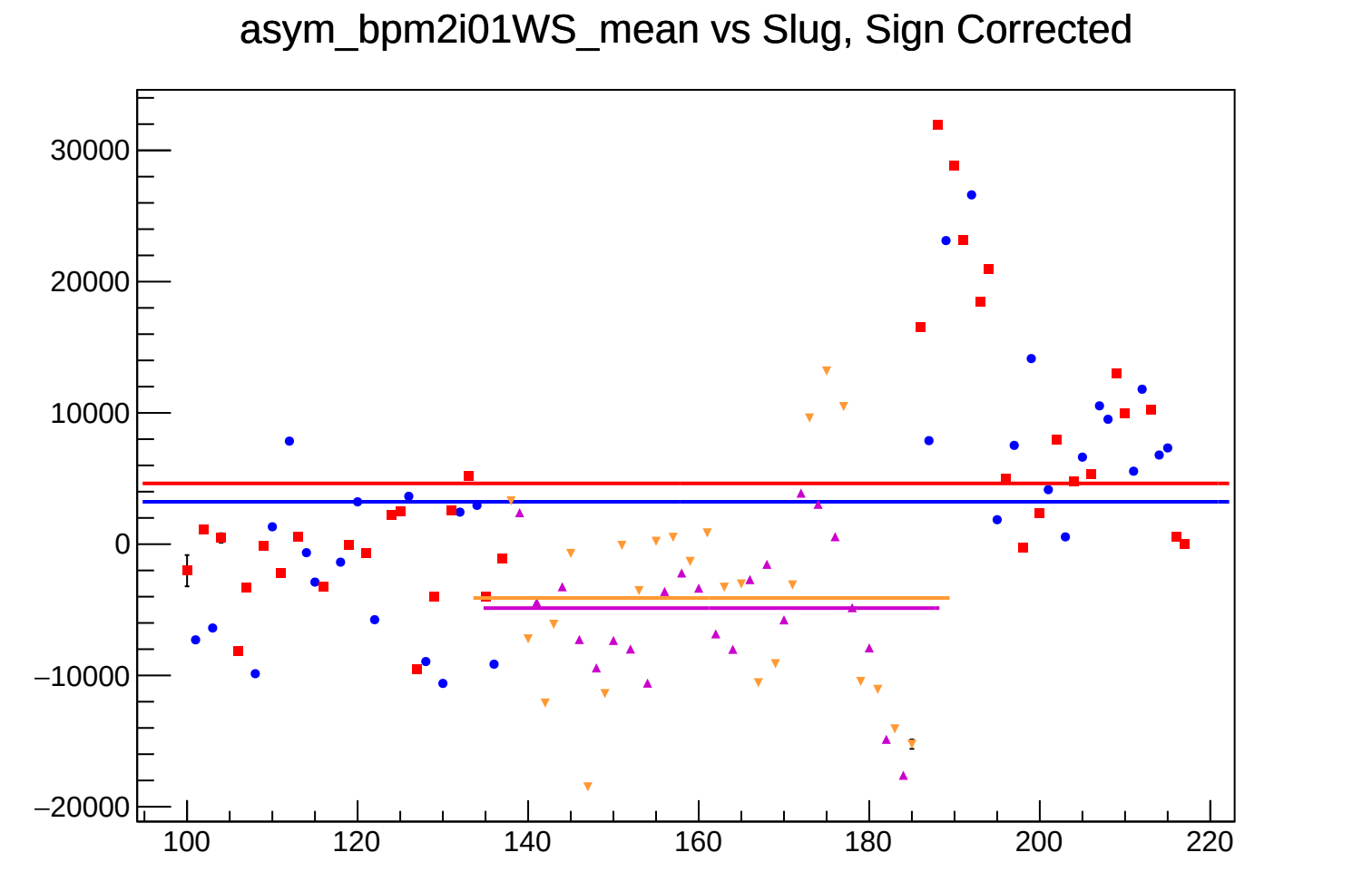
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 137.617+/-0.016 χ^2/NDF: 3659471.1/66

In: 135.793+/-0.016 χ^2/NDF:3118305.6/53

Out: 134.212+/-0.015 χ^2/NDF:3554628.3/60

All: 134.969+/-0.011 χ^2/NDF: 6677913.8/114



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: 4629.184+/-28.807 χ^2/NDF: 113979.0/35

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

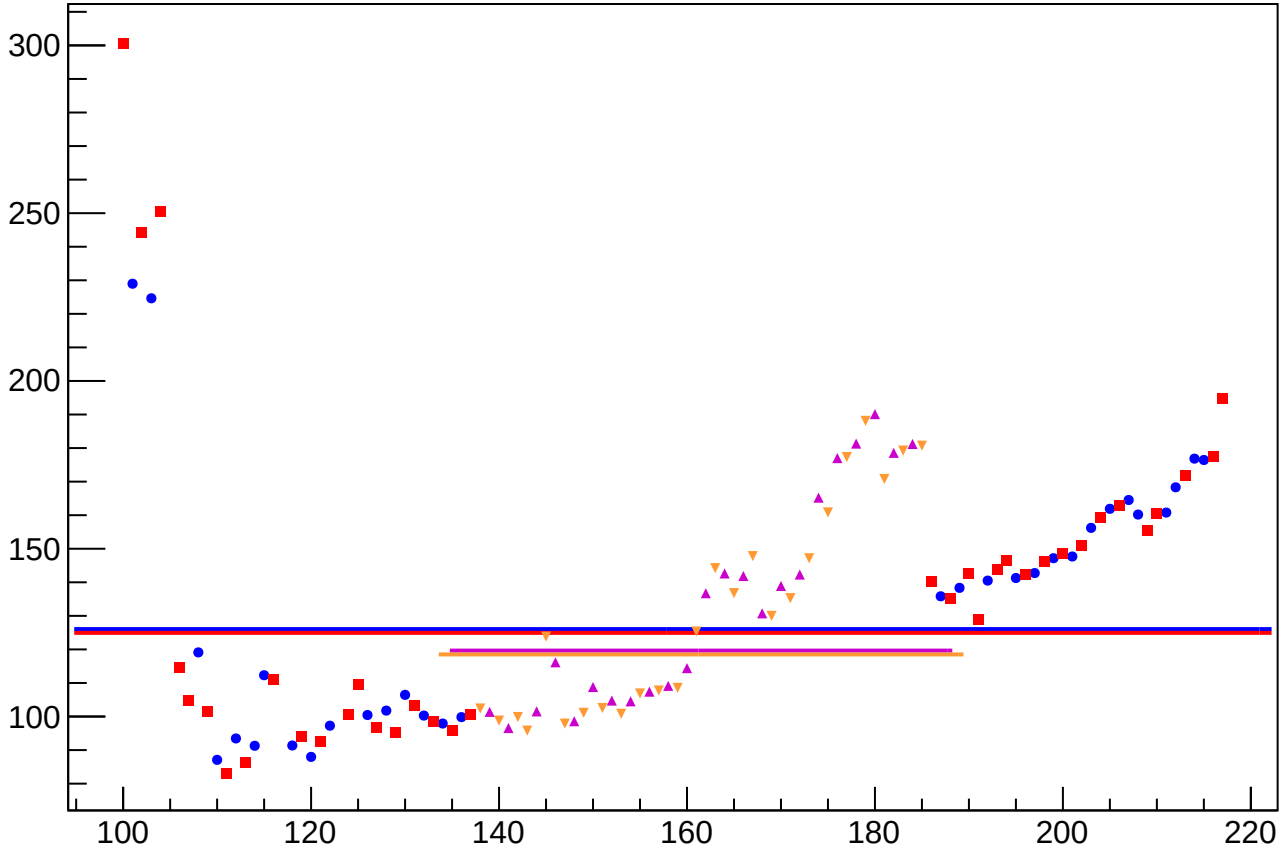
Right: 3959.567+/-20.805 χ^2/NDF: 205609.7/66

In: -994.738+/-20.805 χ^2/NDF:150229.9/53

Out: 105.520+/-19.993 χ^2/NDF:227830.7/60

All: -422.715+/-14.416 χ^2/NDF: 379514.6/11

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: 124.936+/-0.020 χ^2/NDF: 2748429.1/35

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

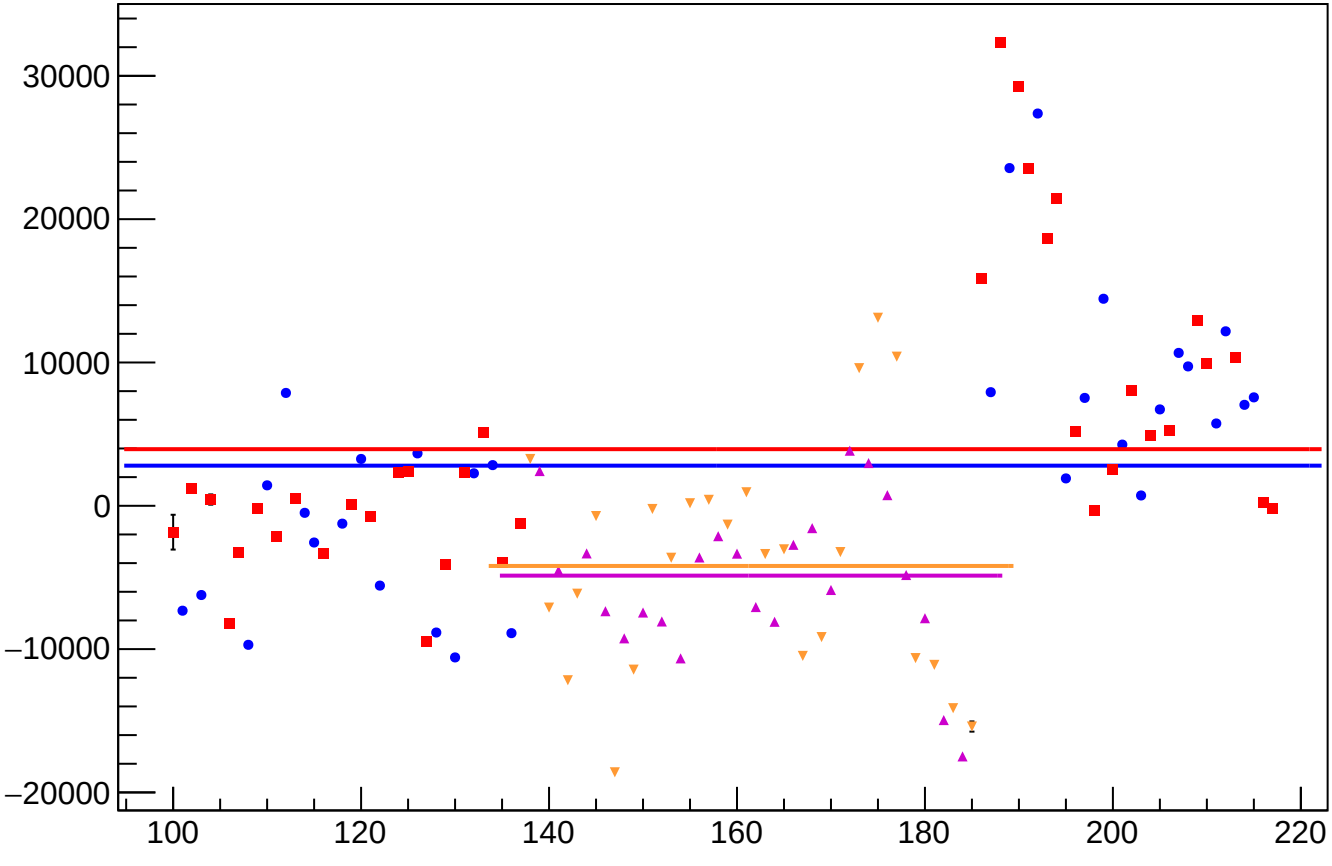
Right: 125.473+/-0.015 χ^2/NDF: 5181515.5/66

In: 122.714+/-0.015 χ^2/NDF:3991451.0/53

Out: 121.601+/-0.014 χ^2/NDF:4427283.8/60

All: 122.135+/-0.010 χ^2/NDF: 8421708.6/114

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: 3951.505+/-28.690 χ^2/NDF: 107524.0/35

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

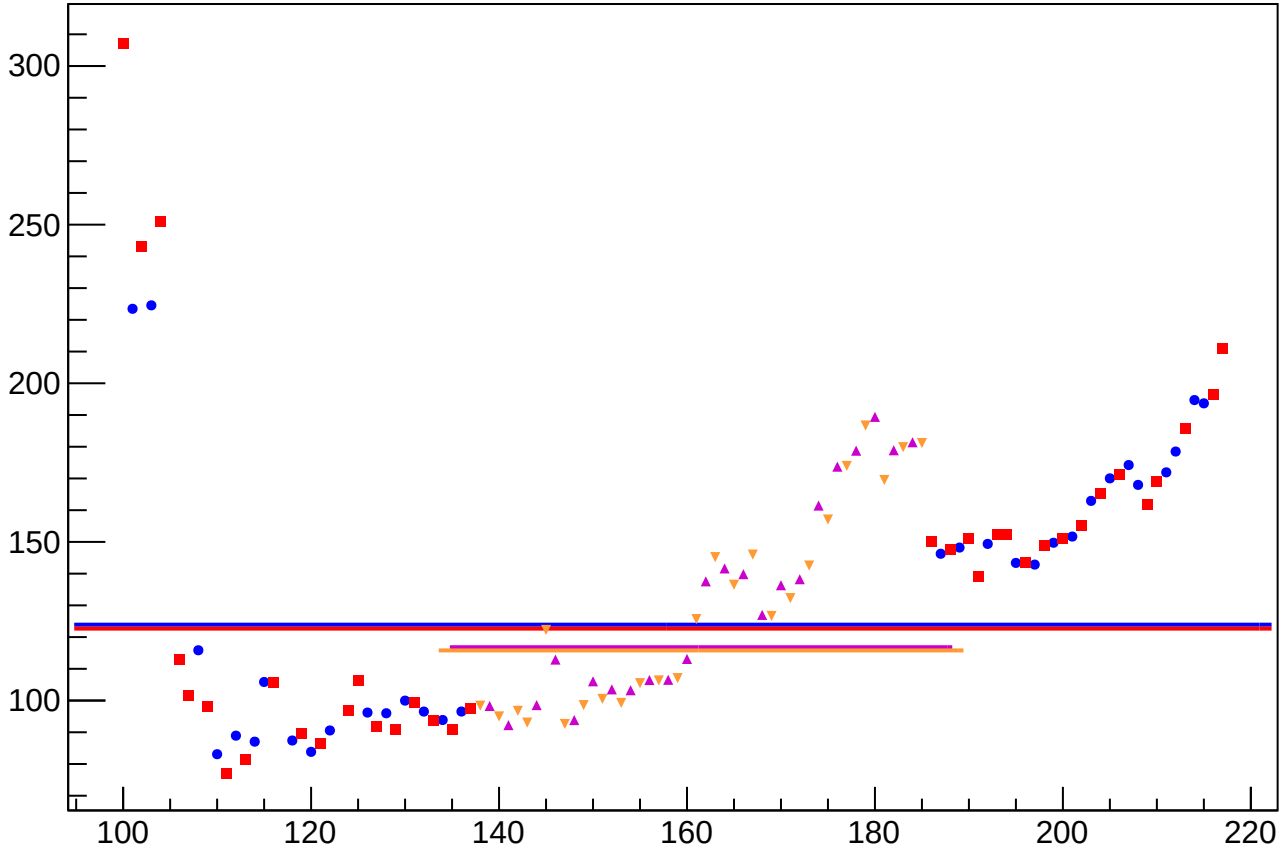
Right: 3401.262+/-20.724 χ^2/NDF: 198126.0/66

In: -1269.374+/-20.538 χ^2/NDF:147531.4/53

Out: -338.394+/-19.743 χ^2/NDF:220410.9/60

All: -785.523+/-14.233 χ^2/NDF: 369010.3/11

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: 122.673+/-0.020 χ^2/NDF: 3709434.6/35

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

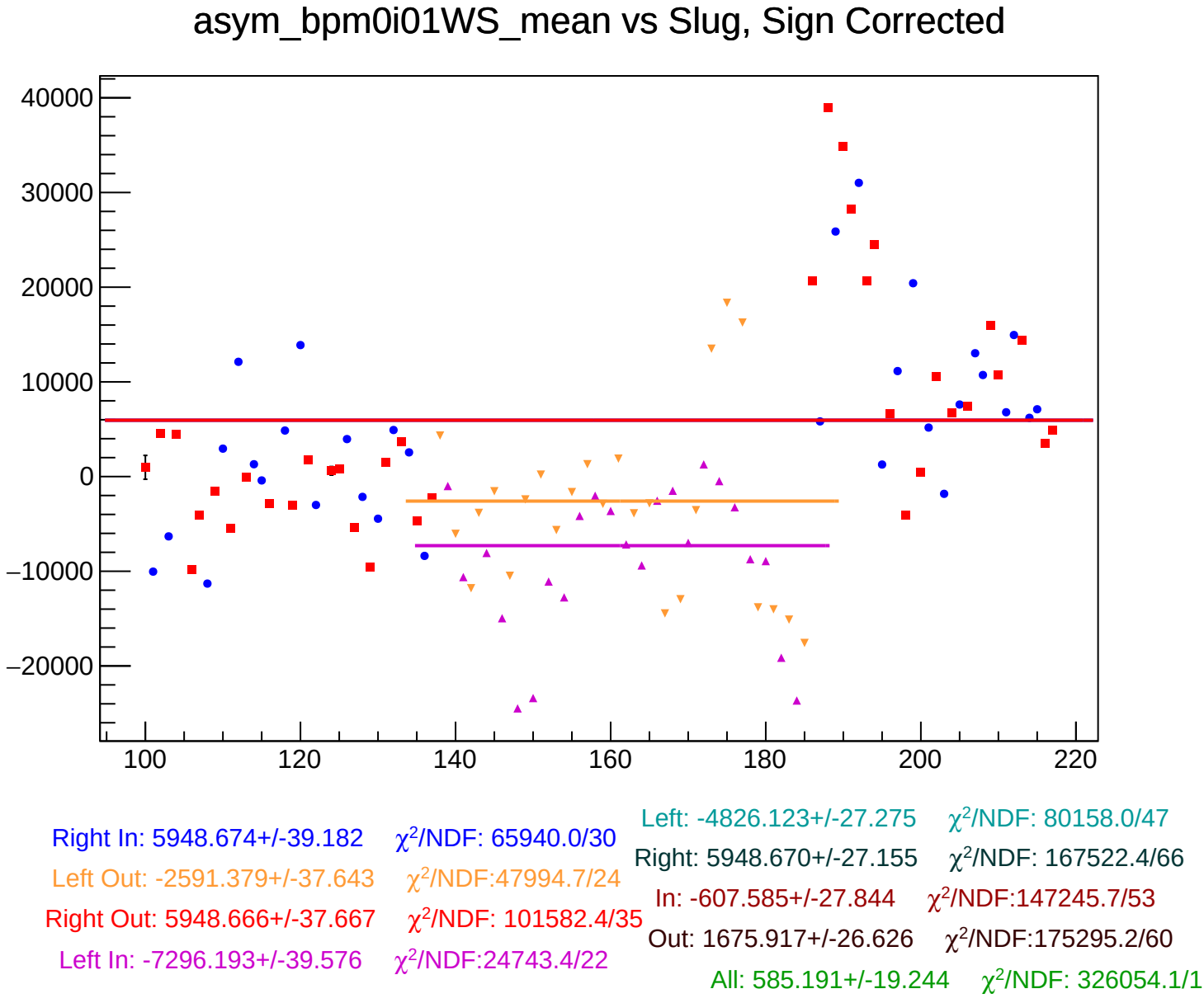
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 123.265+/-0.015 χ^2/NDF: 6975020.6/66

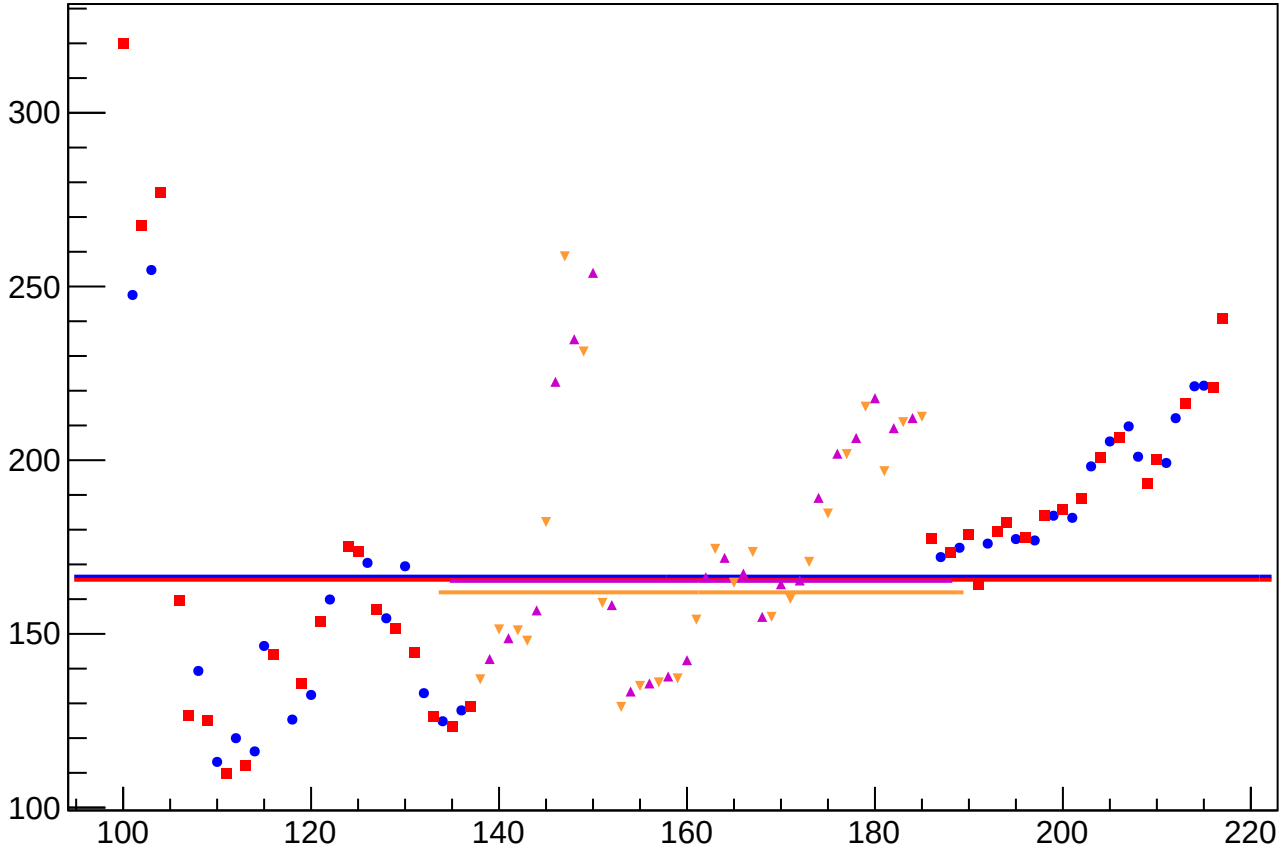
In: 120.144+/-0.015 χ^2/NDF:4941038.5/53

Out: 119.054+/-0.014 χ^2/NDF:5518916.3/60

All: 119.577+/-0.010 χ^2/NDF: 10462885.6/1


asym_bpm0i01WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 5948.674+/-39.182 χ²/NDF: 65940.0/30
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: 5948.666+/-37.667 χ²/NDF: 101582.4/35
Left In: -7296.193+/-39.576 χ²/NDF:24743.4/22
Left: -4826.123+/-27.275 χ²/NDF: 80158.0/47
Right: 5948.670+/-27.155 χ²/NDF: 167522.4/66
In: -607.585+/-27.844 χ²/NDF:147245.7/53
Out: 1675.917+/-26.626 χ²/NDF:175295.2/60
All: 585.191+/-19.244 χ²/NDF: 326054.1/114

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: 165.589+/-0.027 χ^2/NDF: 1973597.6/35

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

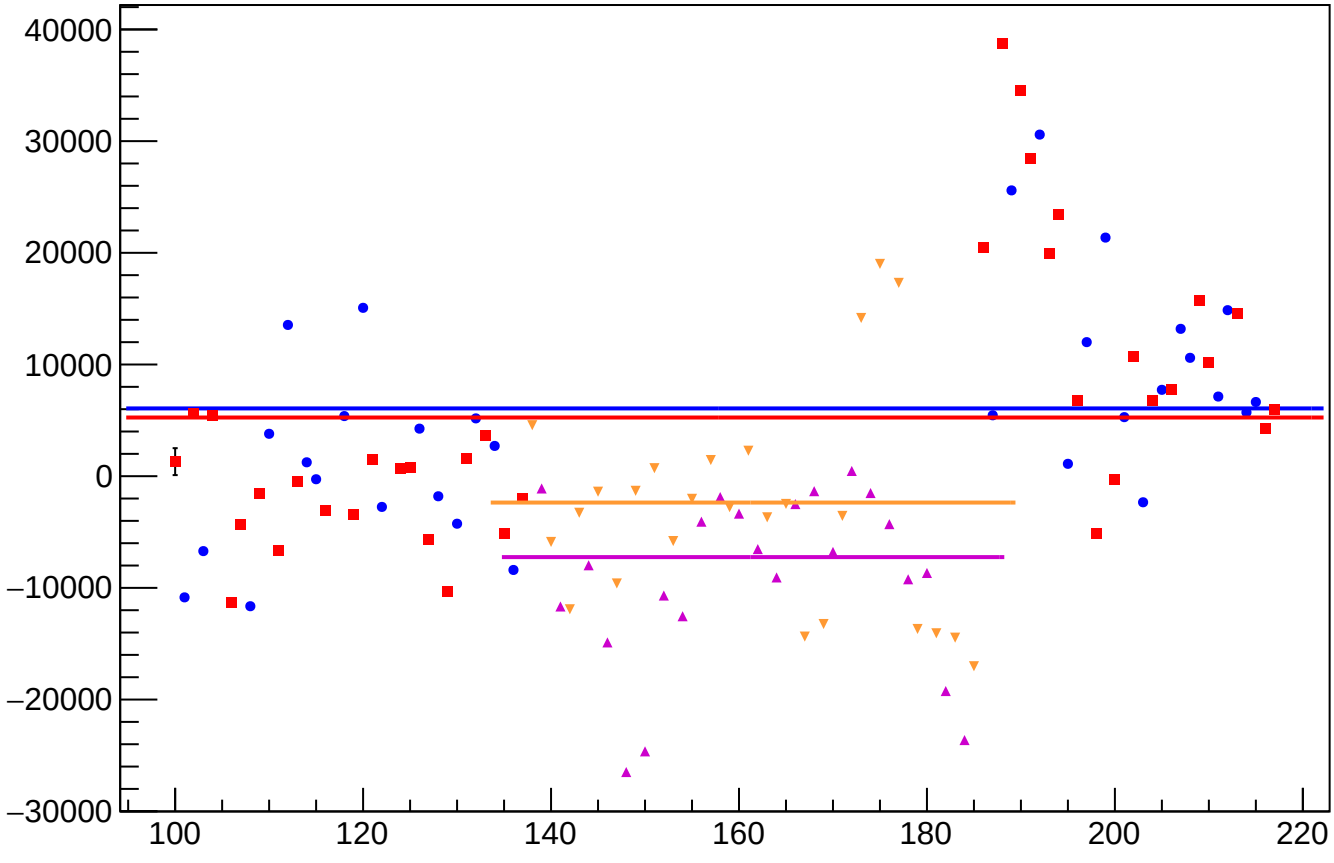
Right: 166.016+/-0.019 χ^2/NDF: 3718313.8/66

In: 165.882+/-0.020 χ^2/NDF:2924209.1/53

Out: 163.772+/-0.019 χ^2/NDF:3127709.5/60

All: 164.780+/-0.014 χ^2/NDF: 6057916.5/114

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: 5254.047+/-31.963 χ^2/NDF: 141560.0/35

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

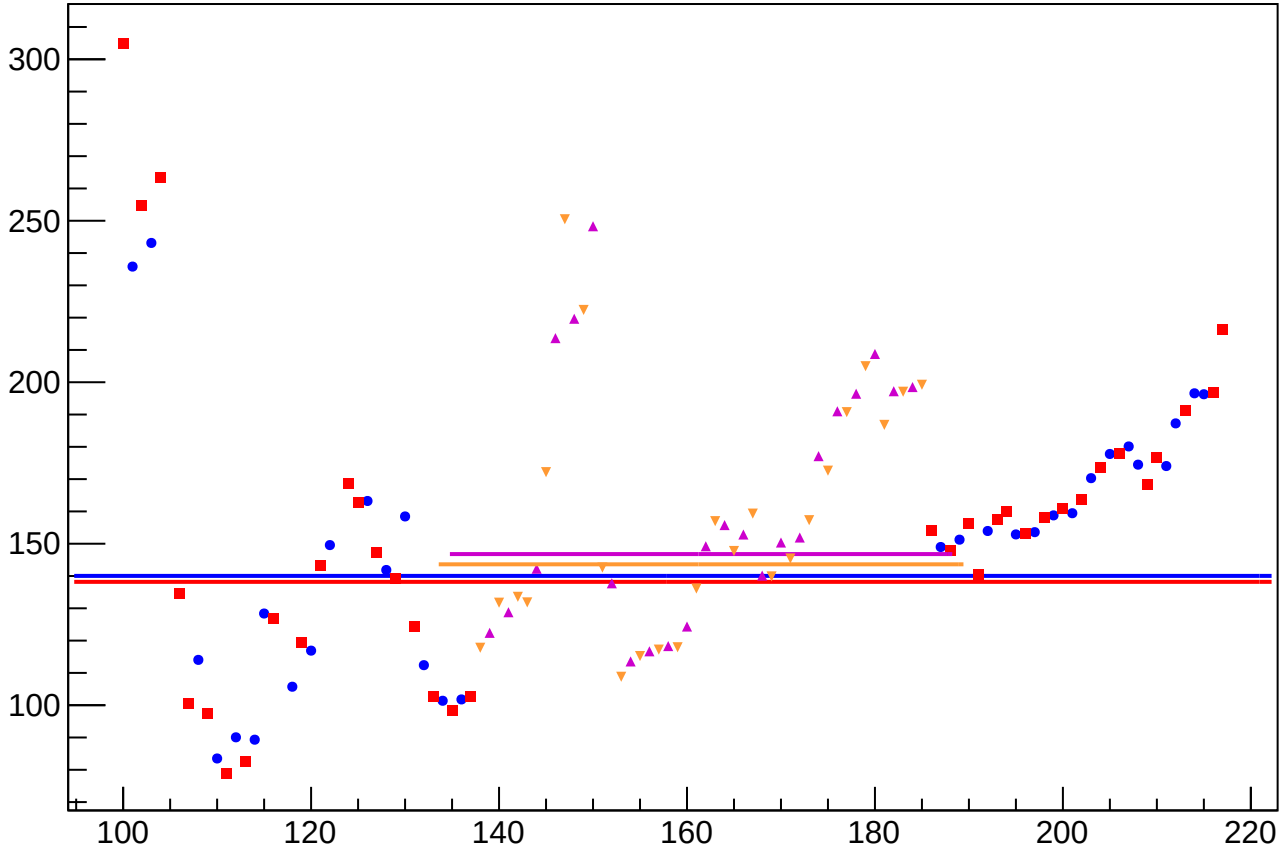
Right: 5643.158+/-23.097 χ^2/NDF: 233582.7/66

In: -183.992+/-24.333 χ^2/NDF:196719.3/53

Out: 1645.734+/-23.184 χ^2/NDF:227021.6/60

All: 775.078+/-16.785 χ^2/NDF: 426704.6/114

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: 138.192+/-0.023 χ^2/NDF: 3024581.1/35

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

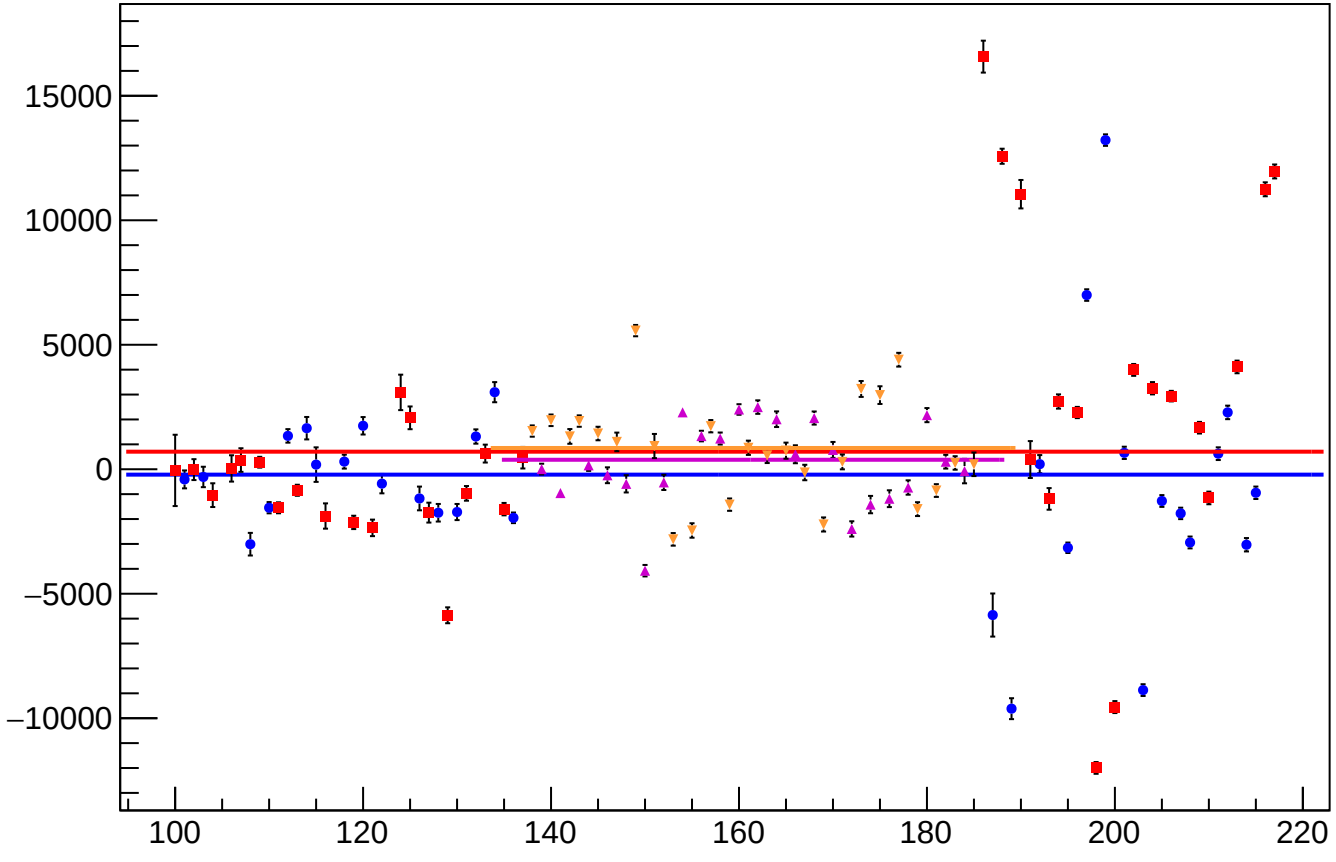
Right: 139.074+/-0.016 χ^2/NDF: 5580394.6/66

In: 143.211+/-0.017 χ^2/NDF:4285528.3/53

Out: 140.765+/-0.016 χ^2/NDF:4714764.2/60

All: 141.929+/-0.012 χ^2/NDF: 9010886.3/114

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: 705.391+/-50.464 χ^2/NDF: 11993.7/35

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

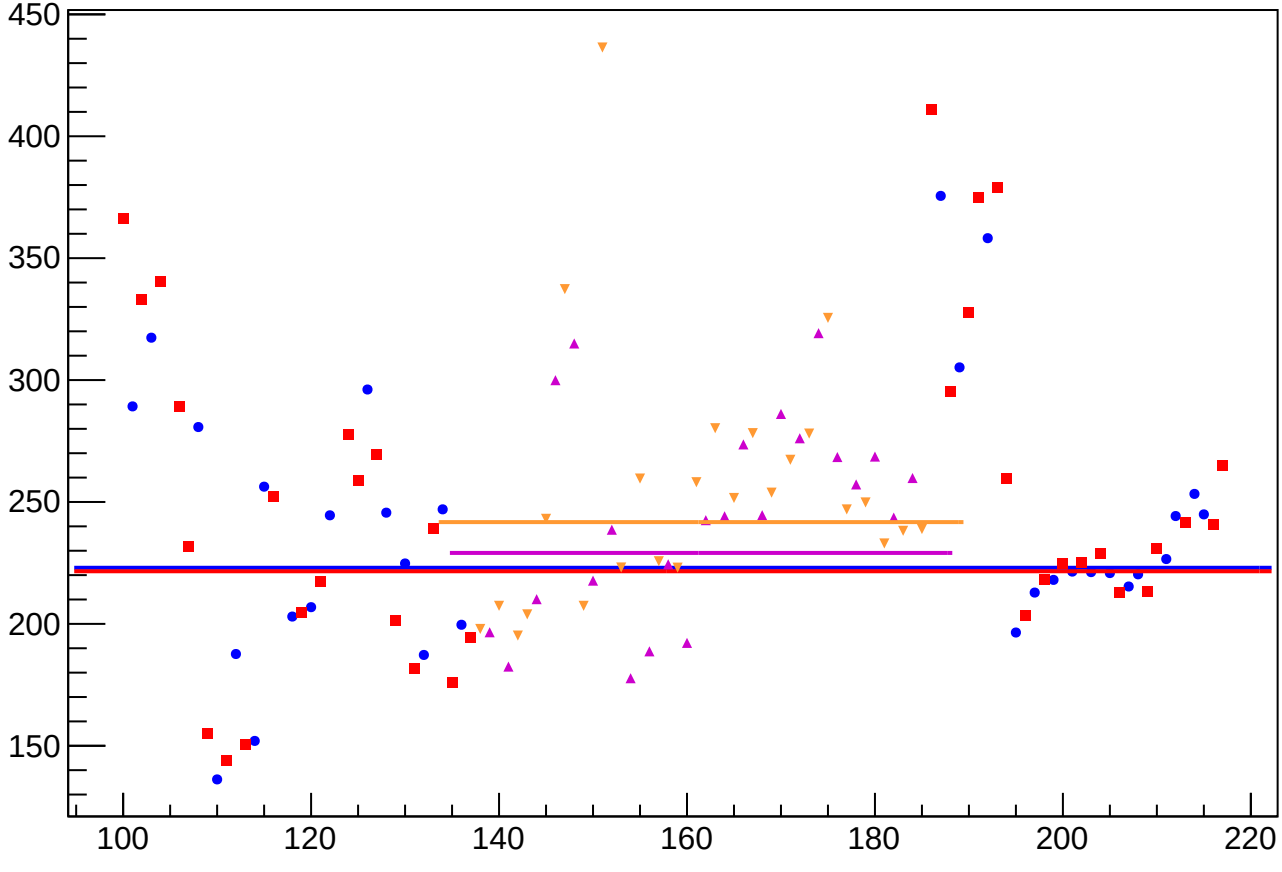
Right: 257.921+/-36.204 χ^2/NDF: 19368.9/66

In: 64.473+/-37.817 χ^2/NDF:8257.7/53

Out: 771.642+/-37.559 χ^2/NDF:13441.4/60

All: 420.477+/-26.649 χ^2/NDF: 21875.2/114

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: 221.580+/-0.036 χ^2/NDF: 1992083.3/35

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

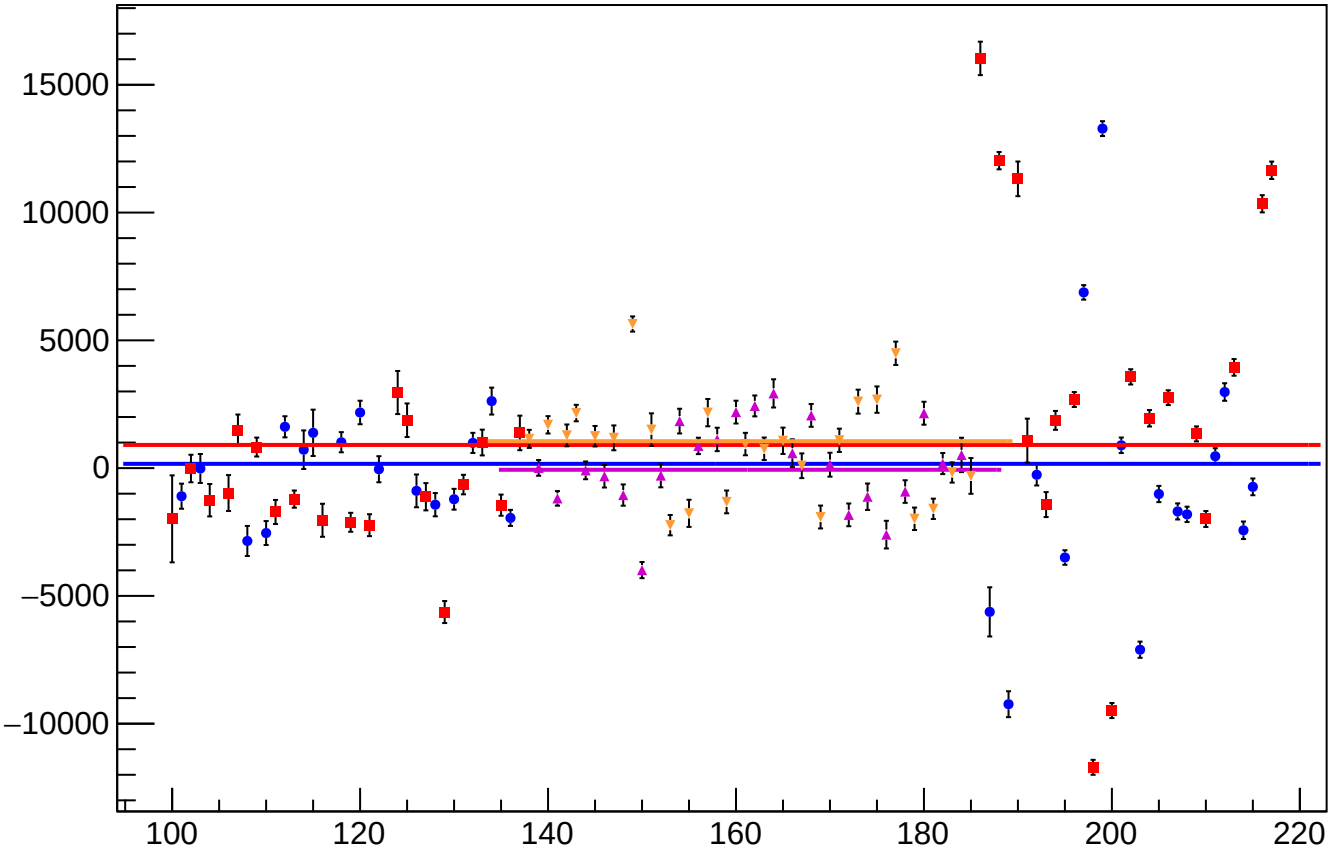
Right: 222.275+/-0.026 χ^2/NDF: 3226282.3/66

In: 225.878+/-0.027 χ^2/NDF:2315303.3/53

Out: 230.575+/-0.027 χ^2/NDF:3120929.4/60

All: 228.243+/-0.019 χ^2/NDF: 5451767.9/114

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: 907.118+/-67.350 χ^2/NDF: 7624.2/35

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

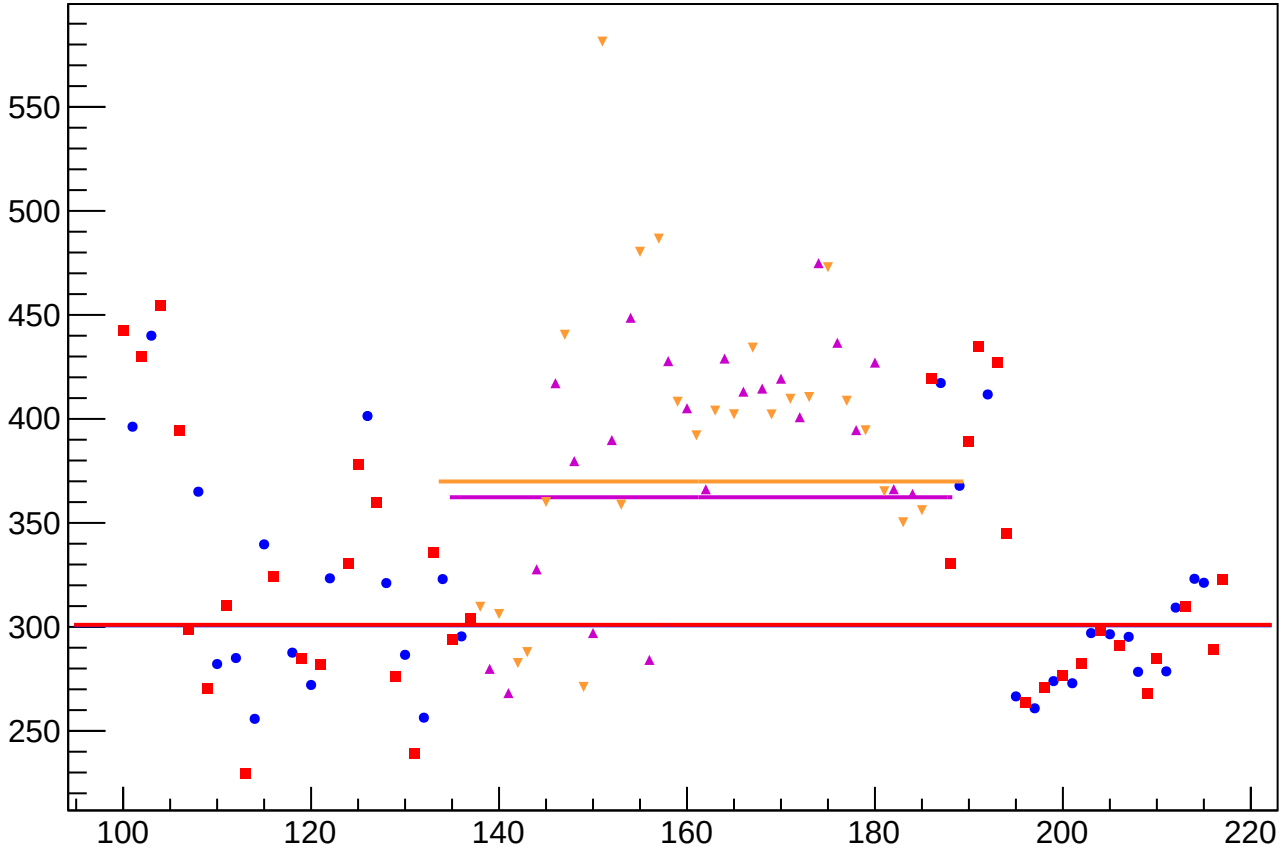
Right: 548.631+/-48.346 χ^2/NDF: 11786.2/66

In: 76.767+/-54.189 χ^2/NDF:4502.4/53

Out: 962.795+/-53.000 χ^2/NDF:8240.7/60

All: 529.603+/-37.890 χ^2/NDF: 12879.7/114

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: 300.997+/-0.048 χ^2/NDF: 965233.3/35

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

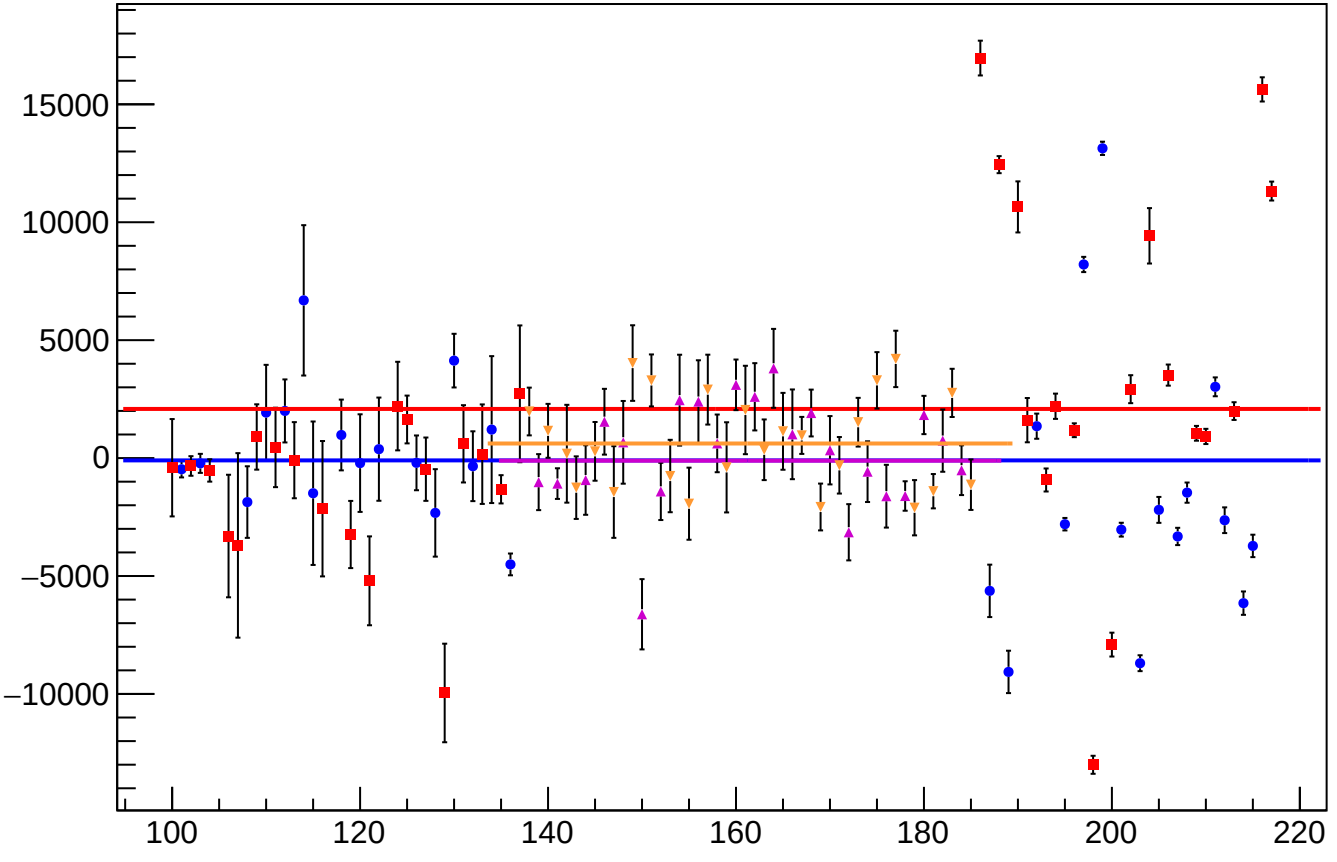
Right: 300.887+/-0.034 χ^2/NDF: 1647859.3/66

In: 324.844+/-0.038 χ^2/NDF:2350872.0/53

Out: 327.240+/-0.037 χ^2/NDF:2993044.9/60

All: 326.068+/-0.027 χ^2/NDF: 5345914.8/114

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: 2083.939+/-97.416 χ^2/NDF: 4768.8/35

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

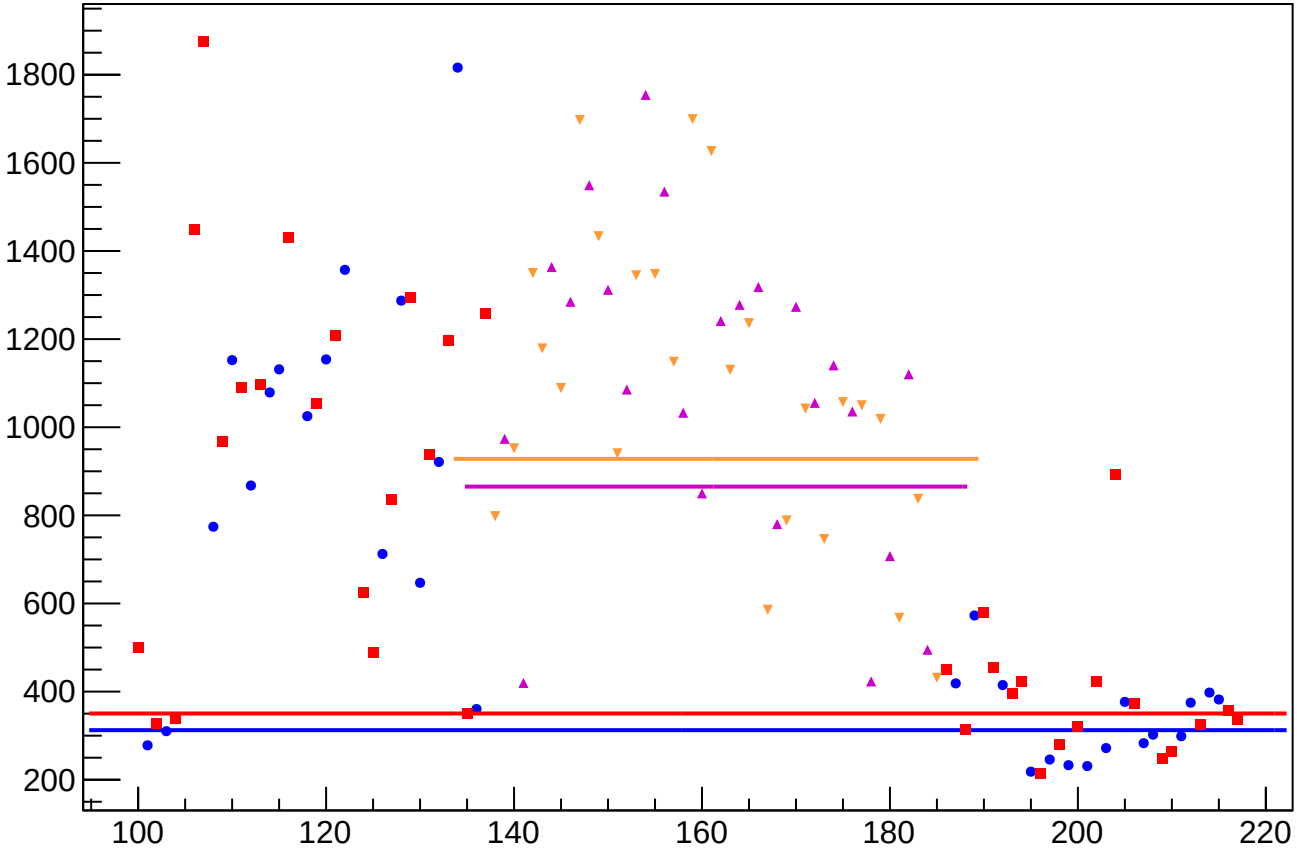
Right: 919.549+/-66.517 χ^2/NDF: 9410.5/66

In: -99.092+/-85.029 χ^2/NDF:4445.7/53

Out: 1873.891+/-90.164 χ^2/NDF:4867.0/60

All: 829.618+/-61.860 χ^2/NDF: 9566.1/114

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 312.488+/-0.064 χ^2/NDF: 5294823.1/30

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 350.332+/-0.069 χ^2/NDF: 6163179.0/35

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

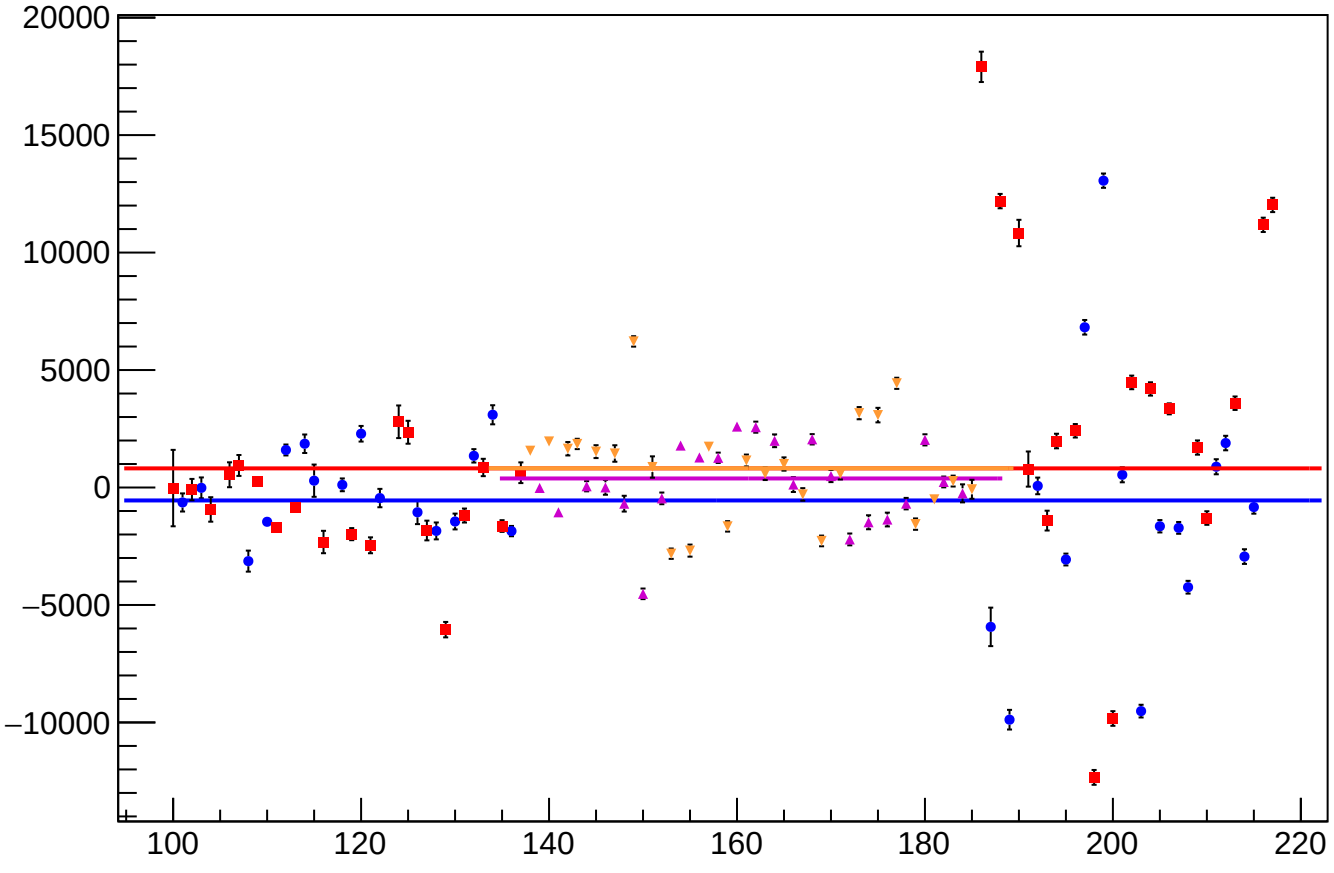
Right: 330.132+/-0.047 χ^2/NDF: 11619111.1/66

In: 383.140+/-0.060 χ^2/NDF:19509561.0/53

Out: 433.169+/-0.064 χ^2/NDF:19547050.9/60

All: 406.689+/-0.044 χ^2/NDF: 39382521.4/11

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: 814.074+/-53.235 χ^2/NDF: 9604.5/35

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

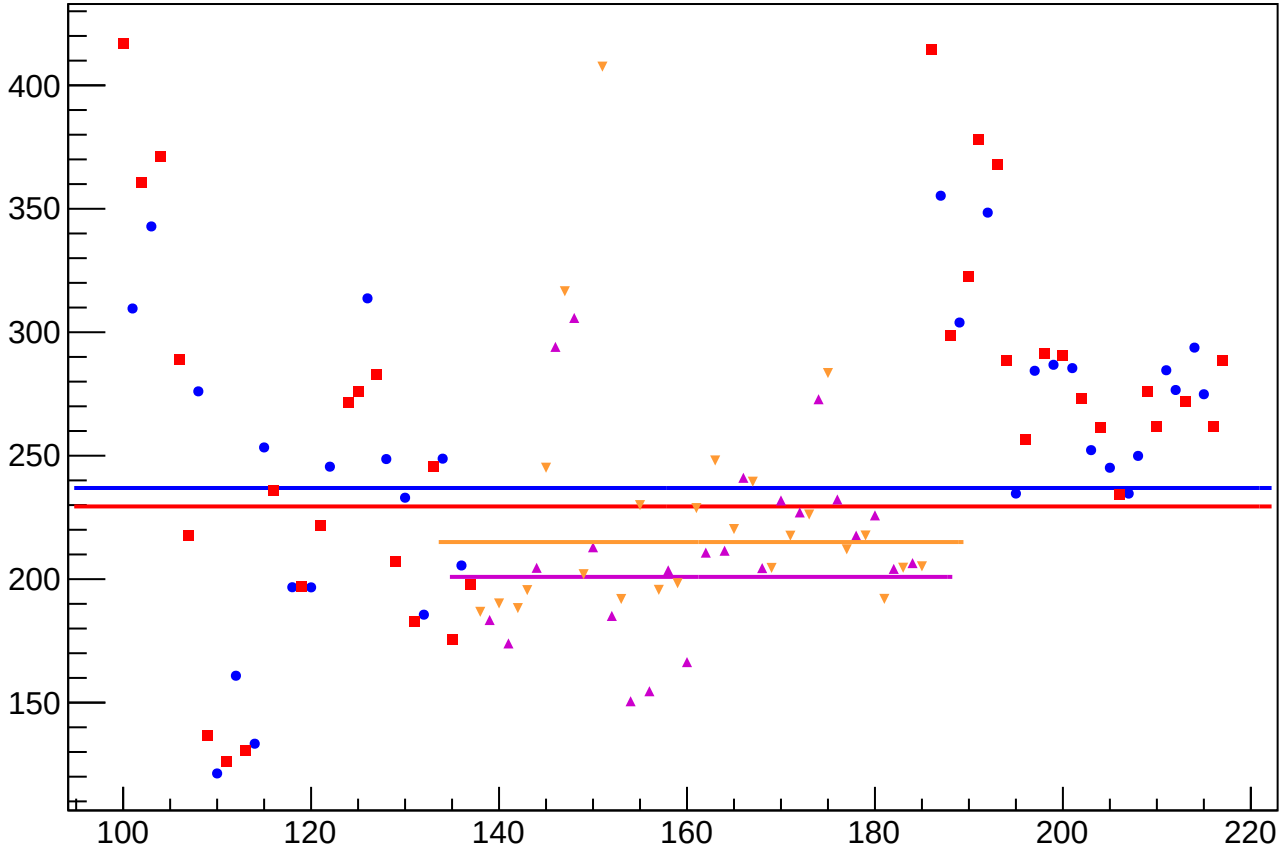
Right: 165.637+/-38.572 χ^2/NDF: 15032.6/66

In: -16.026+/-36.632 χ^2/NDF:6529.0/53

Out: 817.659+/-36.444 χ^2/NDF:11595.3/60

All: 402.964+/-25.836 χ^2/NDF: 18384.5/114

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: 229.447+/-0.038 χ^2/NDF: 3330741.8/35

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

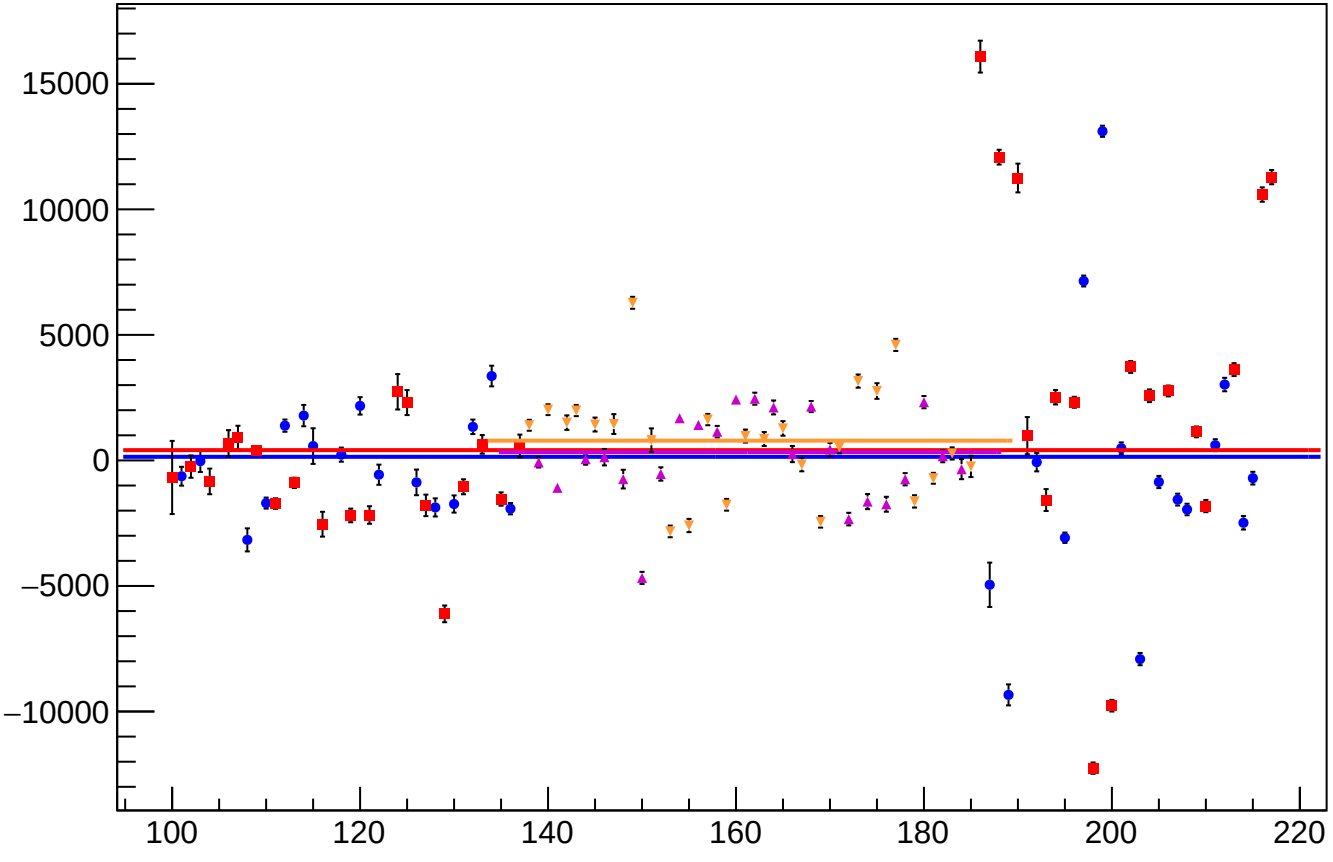
Right: 232.997+/-0.027 χ^2/NDF: 5414267.3/66

In: 216.343+/-0.026 χ^2/NDF:3643752.6/53

Out: 221.785+/-0.026 χ^2/NDF:4306508.3/60

All: 219.078+/-0.018 χ^2/NDF: 7972443.9/114

asym_bpm0l05WS_mean vs Slug, Sign Corrected



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: 409.670+/-49.894 χ^2/NDF: 11949.8/35

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

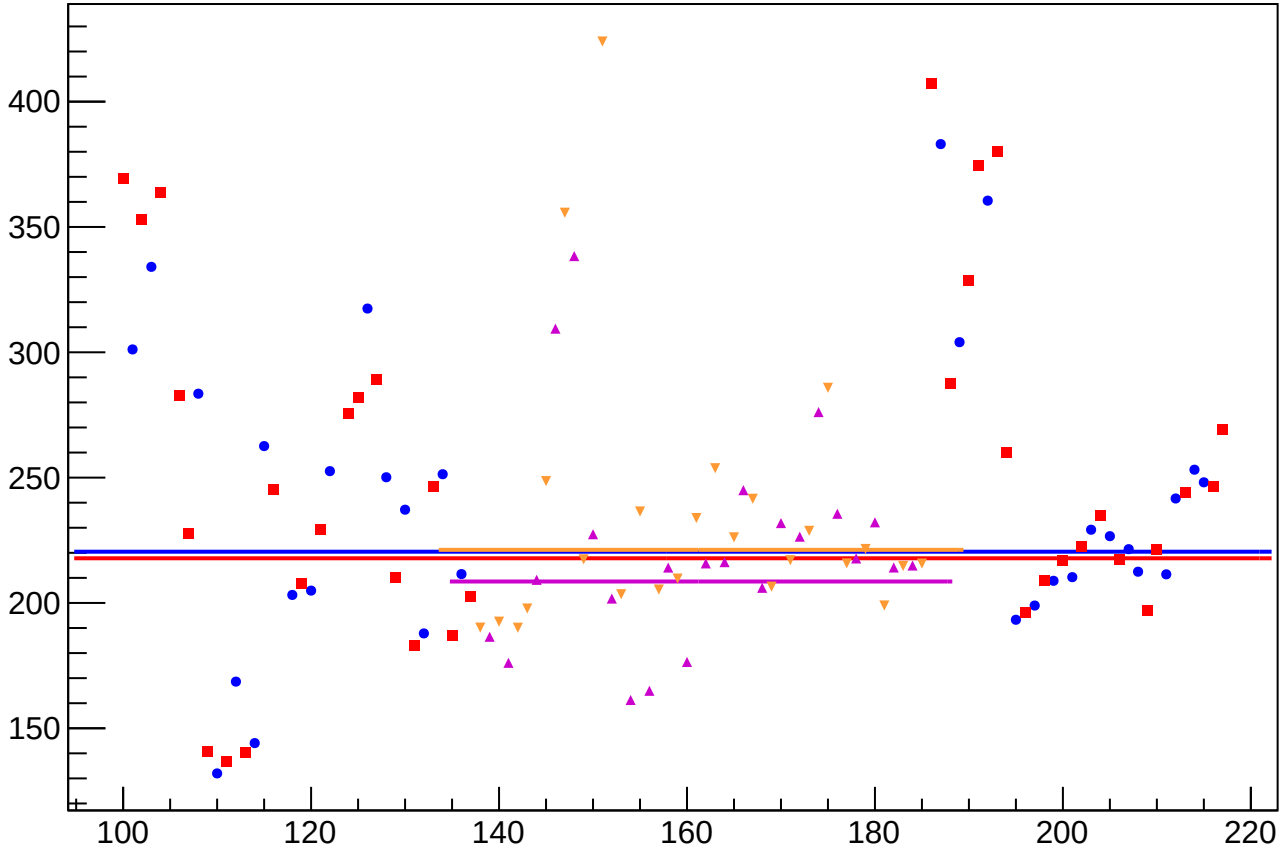
Right: 280.874+/-35.854 χ^2/NDF: 19121.1/66

In: 240.869+/-35.965 χ^2/NDF:8379.7/53

Out: 593.175+/-35.809 χ^2/NDF:13867.9/60

All: 417.787+/-25.376 χ^2/NDF: 22295.8/114

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: 217.819+/-0.035 χ^2/NDF: 2396768.4/35

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

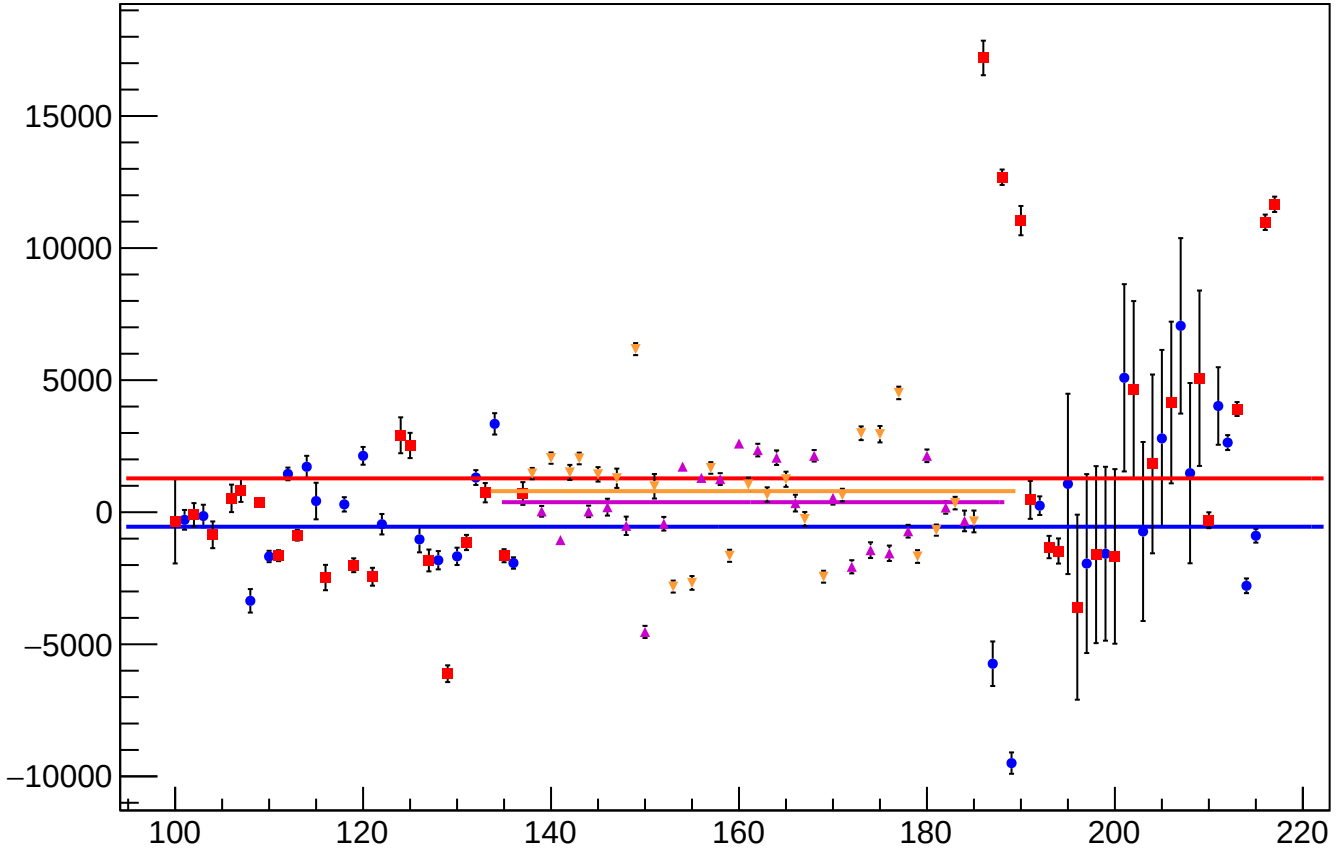
Right: 219.089+/-0.025 χ^2/NDF: 3887017.6/66

In: 214.341+/-0.025 χ^2/NDF:2577805.5/53

Out: 219.451+/-0.025 χ^2/NDF:3340703.7/60

All: 216.907+/-0.018 χ^2/NDF: 5938782.7/114

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: 1281.381+/-61.464 χ^2/NDF: 6546.0/35

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

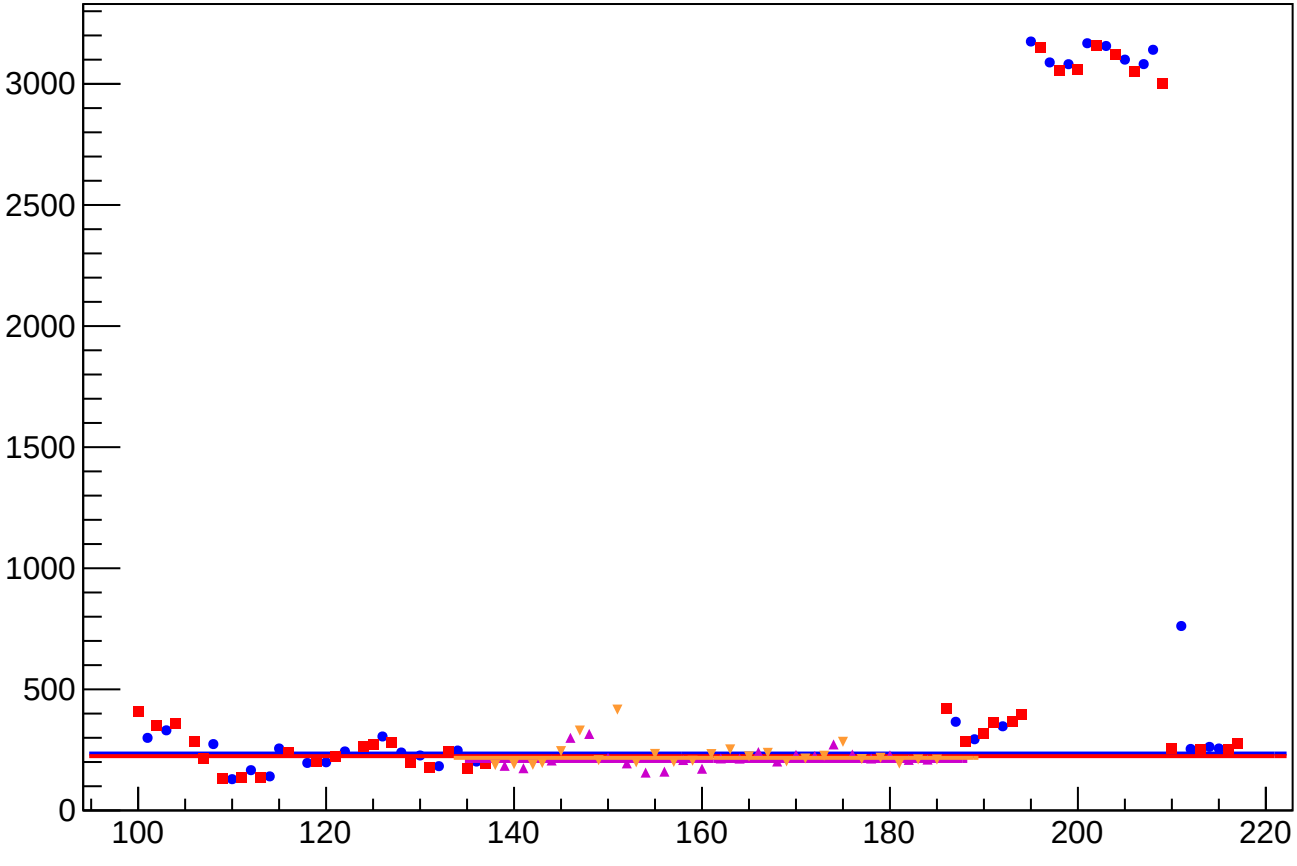
Right: 466.947+/-45.794 χ^2/NDF: 8130.2/66

In: 64.568+/-39.983 χ^2/NDF:2511.7/53

Out: 992.470+/-39.017 χ^2/NDF:8543.9/60

All: 539.866+/-27.924 χ^2/NDF: 11331.4/114

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: 224.225+/-0.043 χ^2/NDF: 13239022.2/35

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

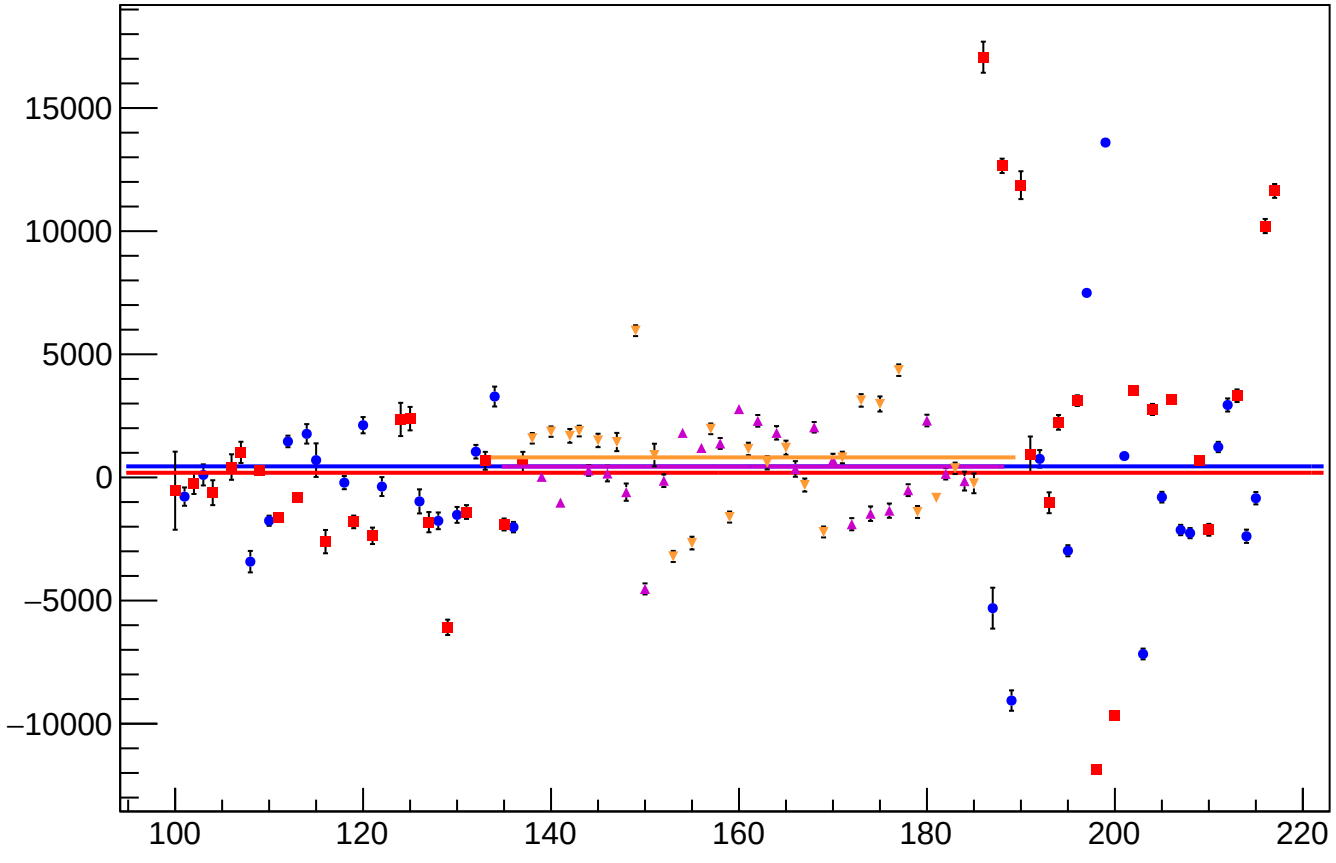
Right: 229.006+/-0.032 χ^2/NDF: 26645546.7/66

In: 214.707+/-0.028 χ^2/NDF:14658011.7/53

Out: 220.045+/-0.028 χ^2/NDF:14164957.4/60

All: 217.442+/-0.020 χ^2/NDF: 28841230.9/11

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: 189.390+/-46.721 χ^2/NDF: 13972.7/35

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

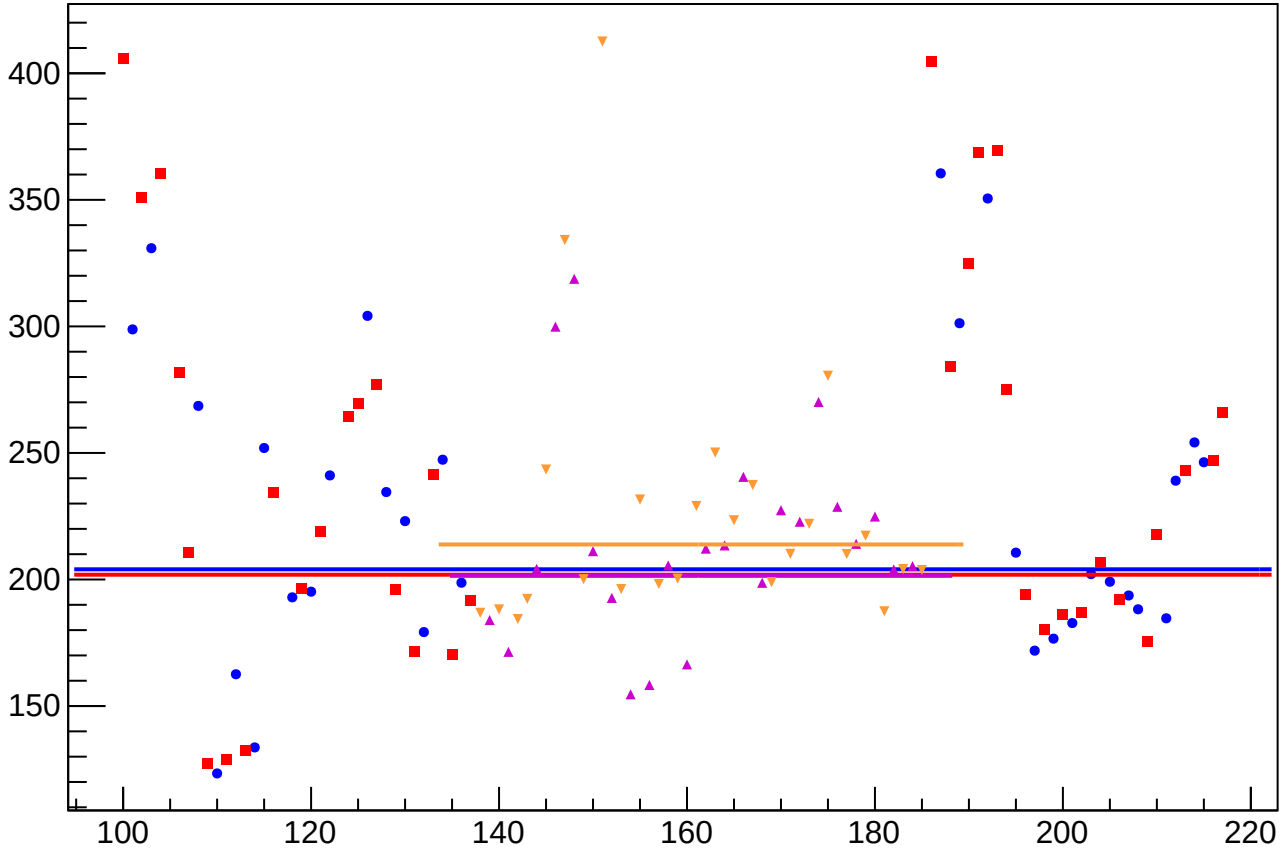
Right: 315.421+/-33.544 χ^2/NDF: 23343.9/66

In: 444.624+/-34.197 χ^2/NDF:10591.2/53

Out: 482.170+/-34.060 χ^2/NDF:16056.9/60

All: 463.472+/-24.132 χ^2/NDF: 26648.6/114

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: 201.896+/-0.033 χ^2/NDF: 2901262.9/35

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

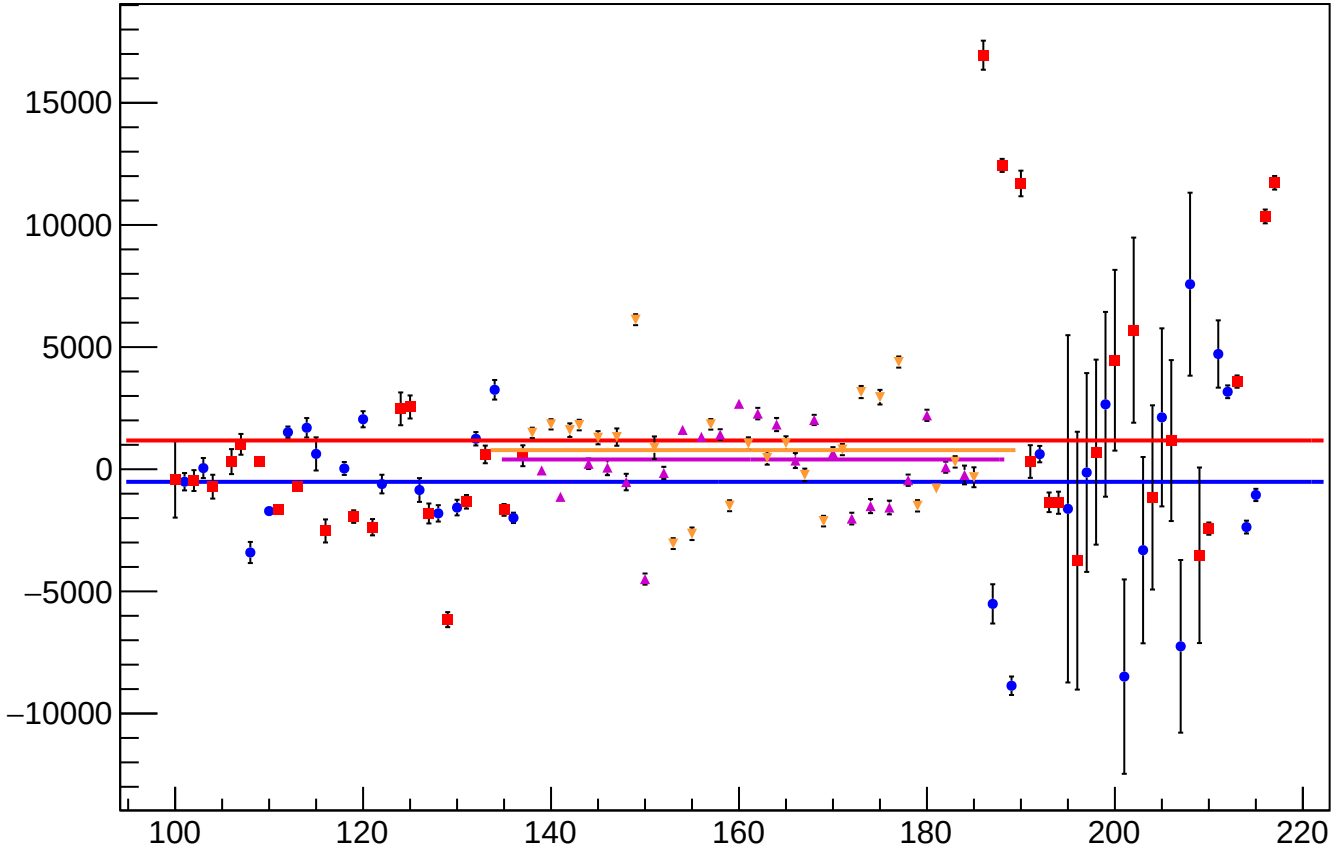
Right: 202.928+/-0.024 χ^2/NDF: 4702340.8/66

In: 202.745+/-0.024 χ^2/NDF:2863883.7/53

Out: 207.496+/-0.024 χ^2/NDF:3926167.0/60

All: 205.130+/-0.017 χ^2/NDF: 6809429.2/114

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: 1177.361+/-58.627 χ^2/NDF: 7298.0/35

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

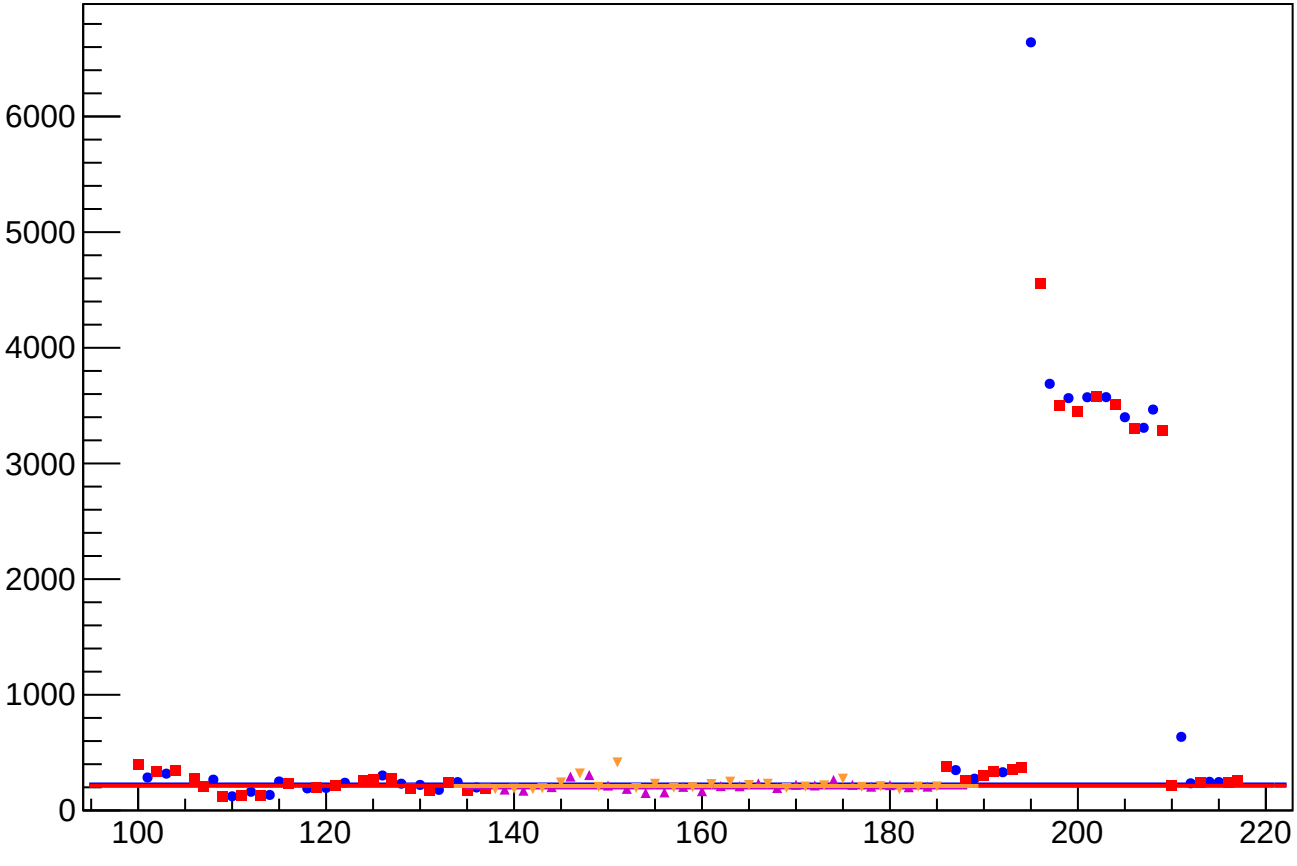
Right: 432.858+/-43.881 χ^2/NDF: 8941.8/66

In: 85.772+/-38.757 χ^2/NDF:2634.8/53

Out: 945.602+/-37.687 χ^2/NDF:9325.9/60

All: 527.721+/-27.019 χ^2/NDF: 12213.7/114

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: 212.850+/-0.041 χ^2/NDF: 13500403.3/35

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

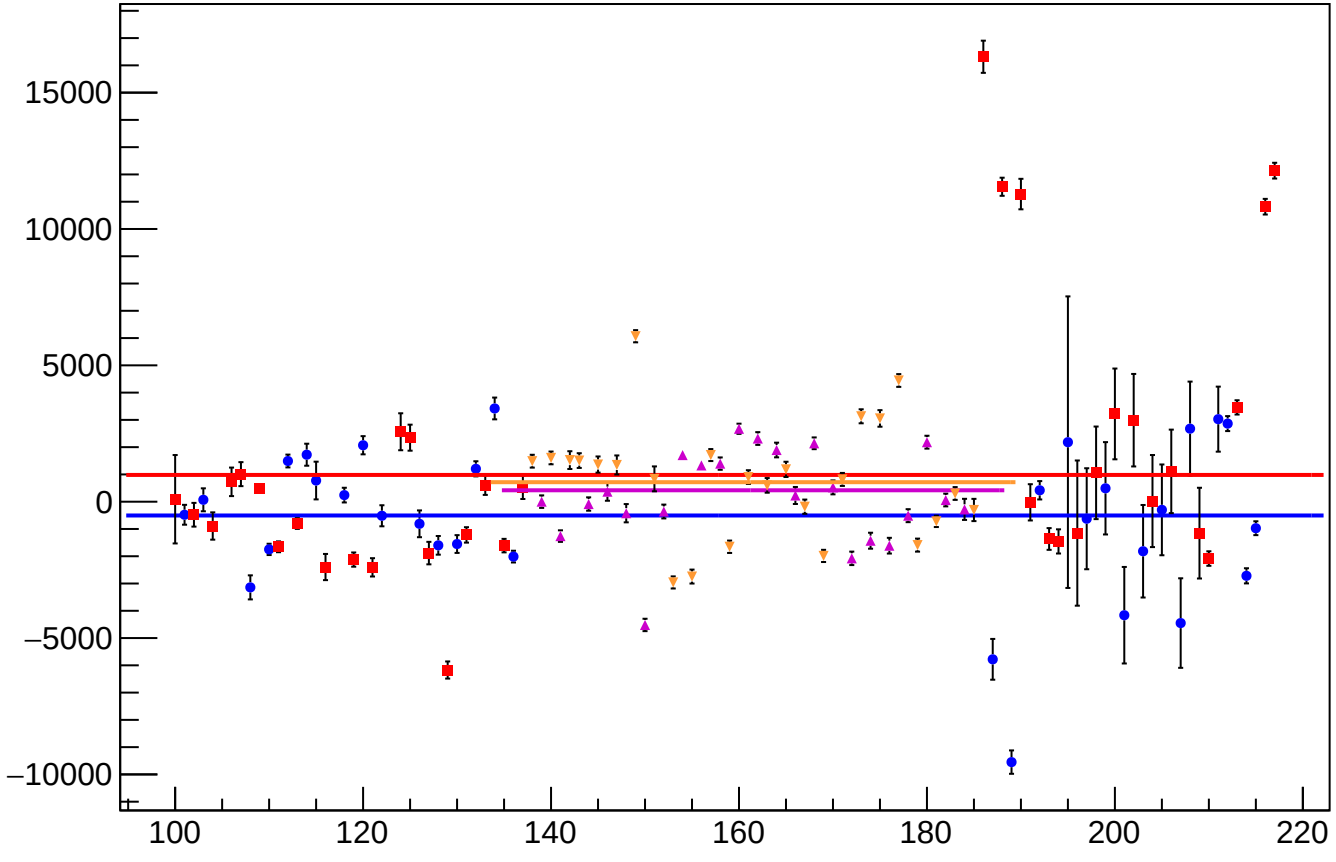
Right: 218.027+/-0.031 χ^2/NDF: 27295603.4/66

In: 207.478+/-0.027 χ^2/NDF:14970559.8/53

Out: 212.055+/-0.027 χ^2/NDF:14436008.0/60

All: 209.831+/-0.019 χ^2/NDF: 29420908.8/11

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: 981.532+/-60.211 χ^2/NDF: 6323.9/35

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

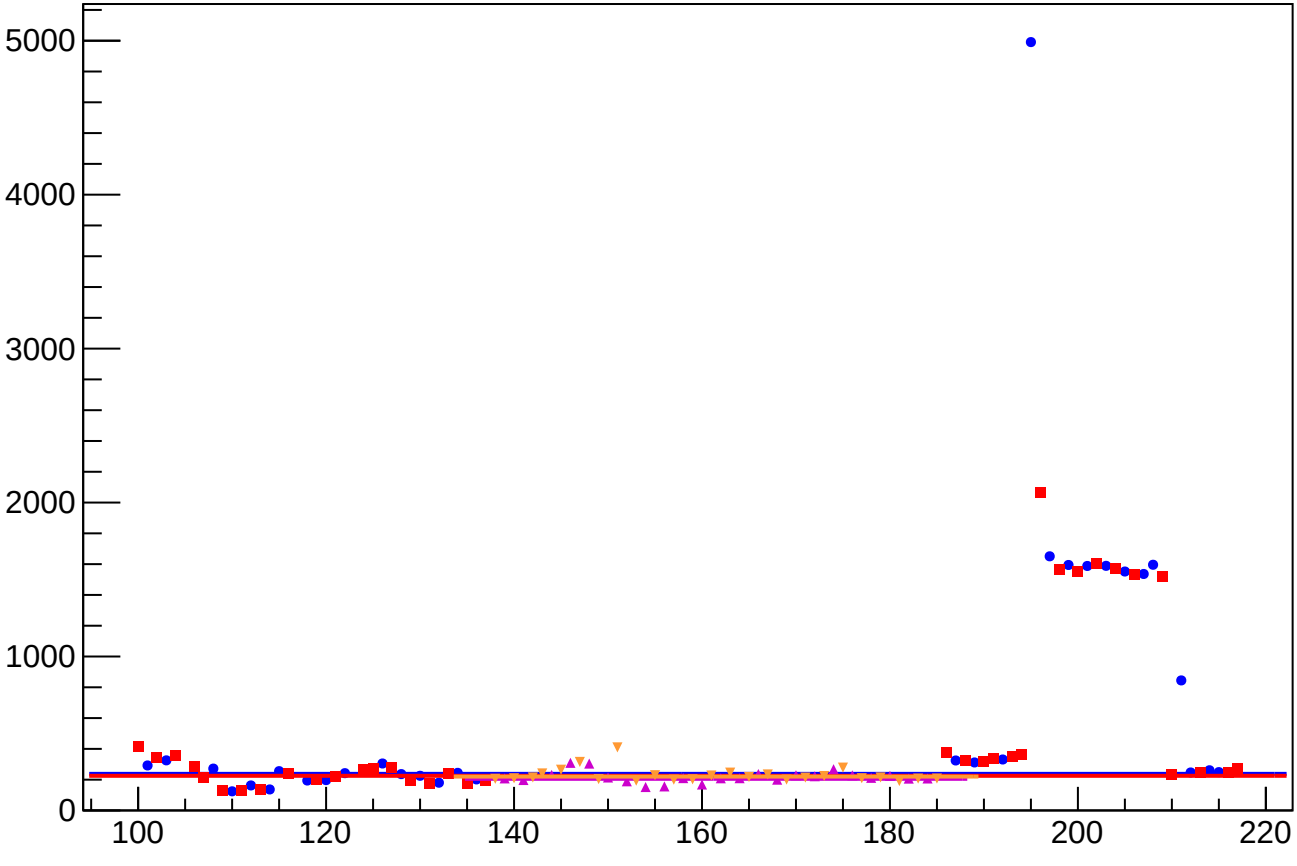
Right: 319.704+/-44.853 χ^2/NDF: 7789.9/66

In: 93.556+/-39.874 χ^2/NDF:2558.0/53

Out: 826.993+/-38.965 χ^2/NDF:8253.2/60

All: 468.727+/-27.868 χ^2/NDF: 10984.3/114

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: 225.097+/-0.043 χ^2/NDF: 11681948.4/35

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

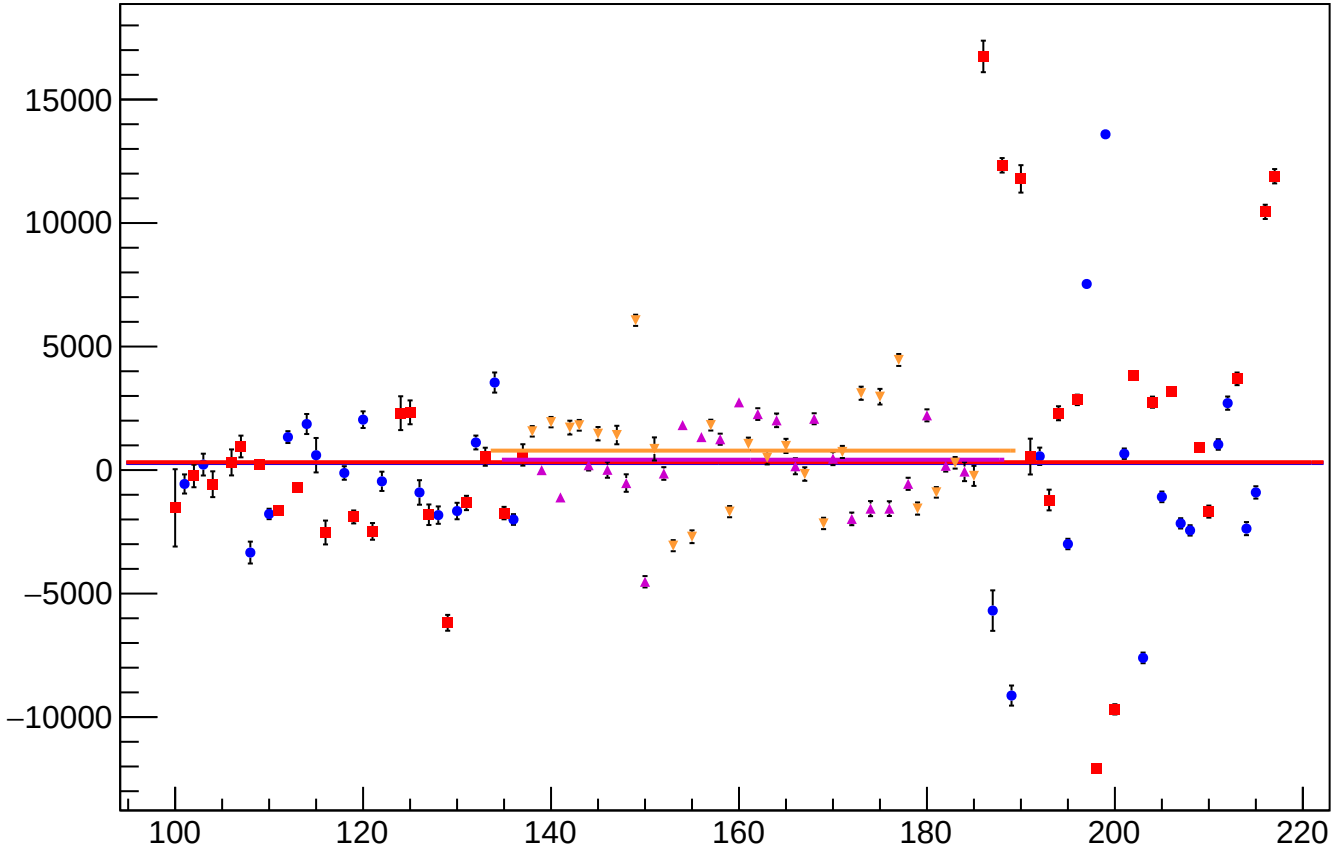
Right: 230.712+/-0.032 χ^2/NDF: 24042293.9/66

In: 216.818+/-0.028 χ^2/NDF:13633194.7/53

Out: 222.219+/-0.028 χ^2/NDF:12489511.8/60

All: 219.581+/-0.020 χ^2/NDF: 26141477.1/11

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: 317.691+/-47.450 χ^2/NDF: 13591.8/35

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

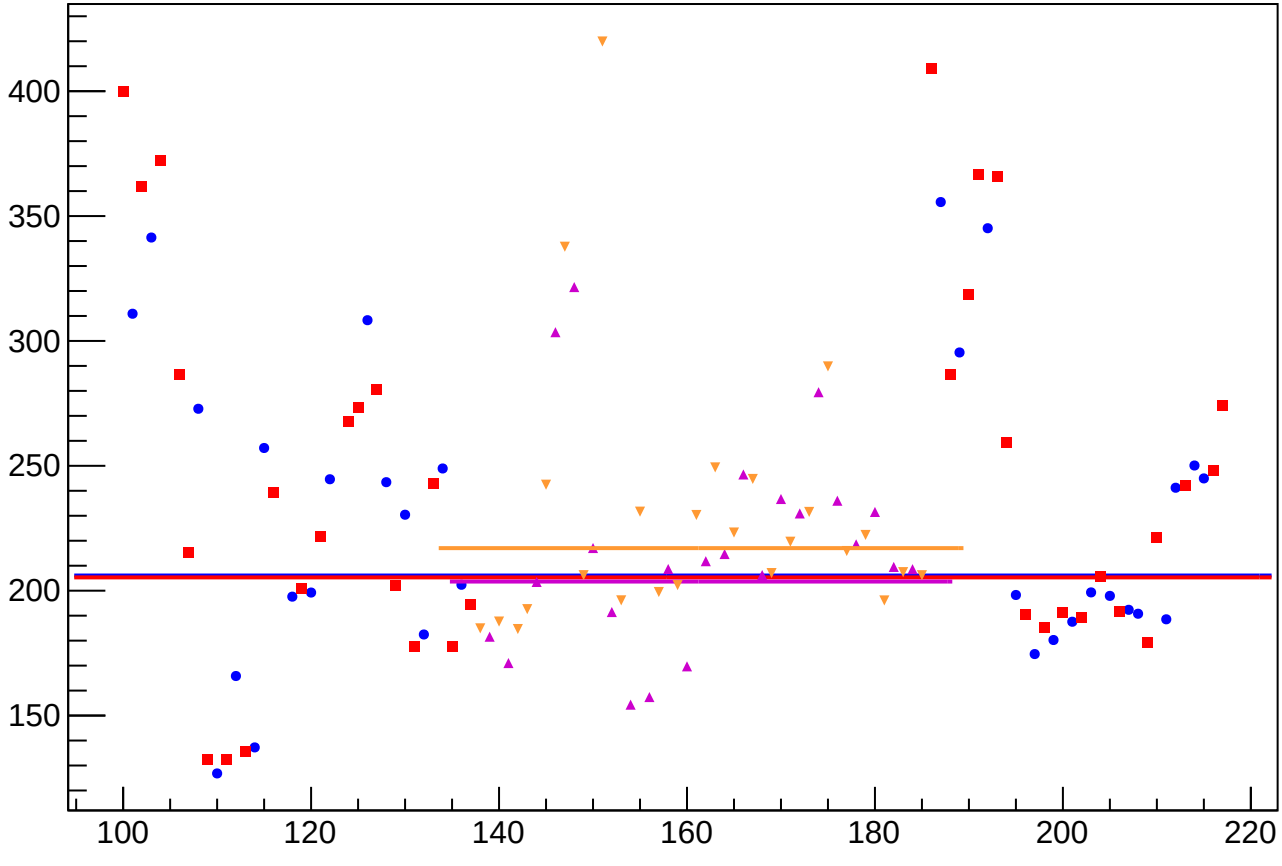
Right: 301.419+/-33.968 χ^2/NDF: 22920.1/66

In: 350.875+/-34.576 χ^2/NDF:10542.8/53

Out: 537.600+/-34.588 χ^2/NDF:15575.2/60

All: 444.204+/-24.453 χ^2/NDF: 26132.6/114

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: 205.323+/-0.034 χ^2/NDF: 2734443.3/35

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

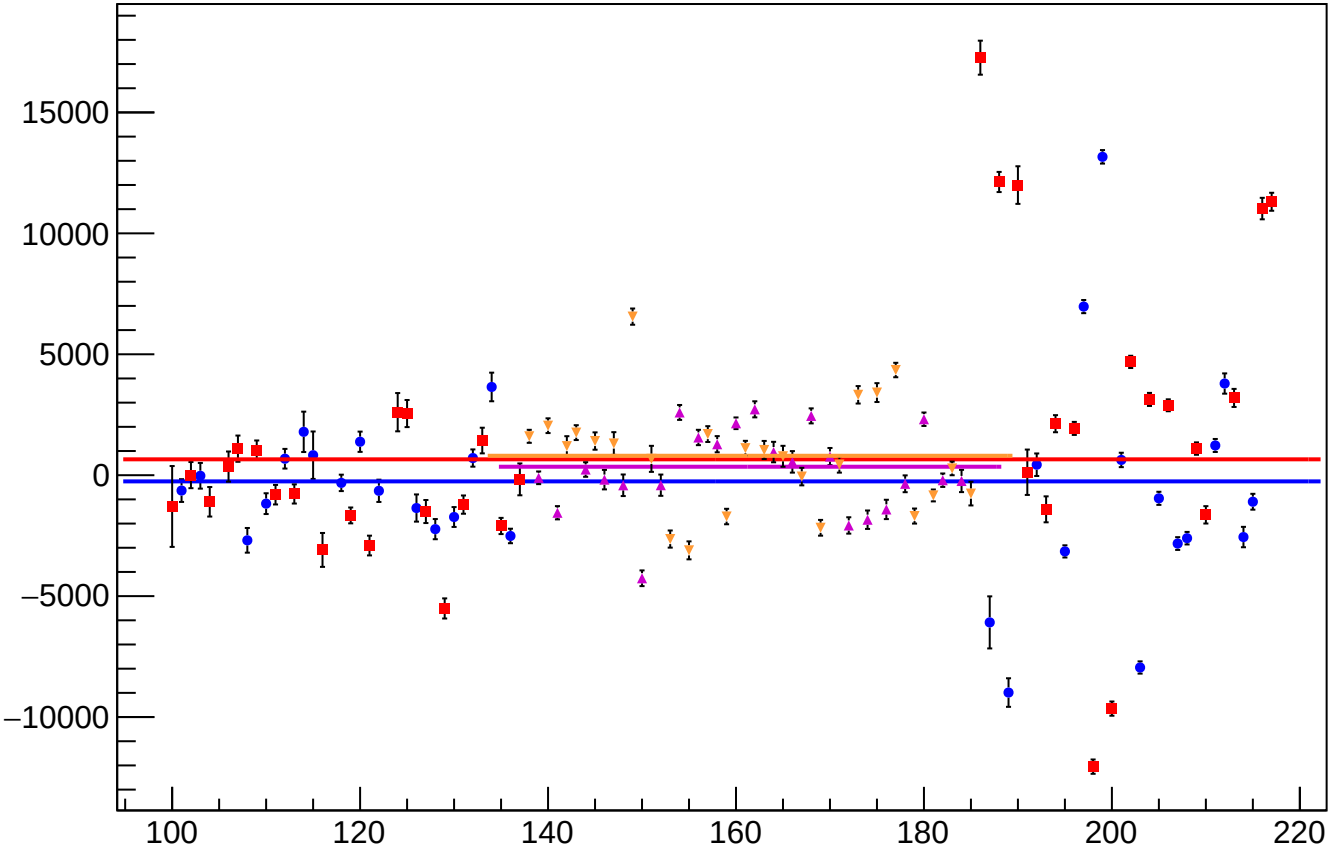
Right: 205.687+/-0.024 χ^2/NDF: 4456301.9/66

In: 204.877+/-0.024 χ^2/NDF:2889380.2/53

Out: 210.814+/-0.024 χ^2/NDF:3774765.9/60

All: 207.845+/-0.017 χ^2/NDF: 6693620.6/114

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: 656.381+/-65.601 χ^2/NDF: 7078.0/35

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

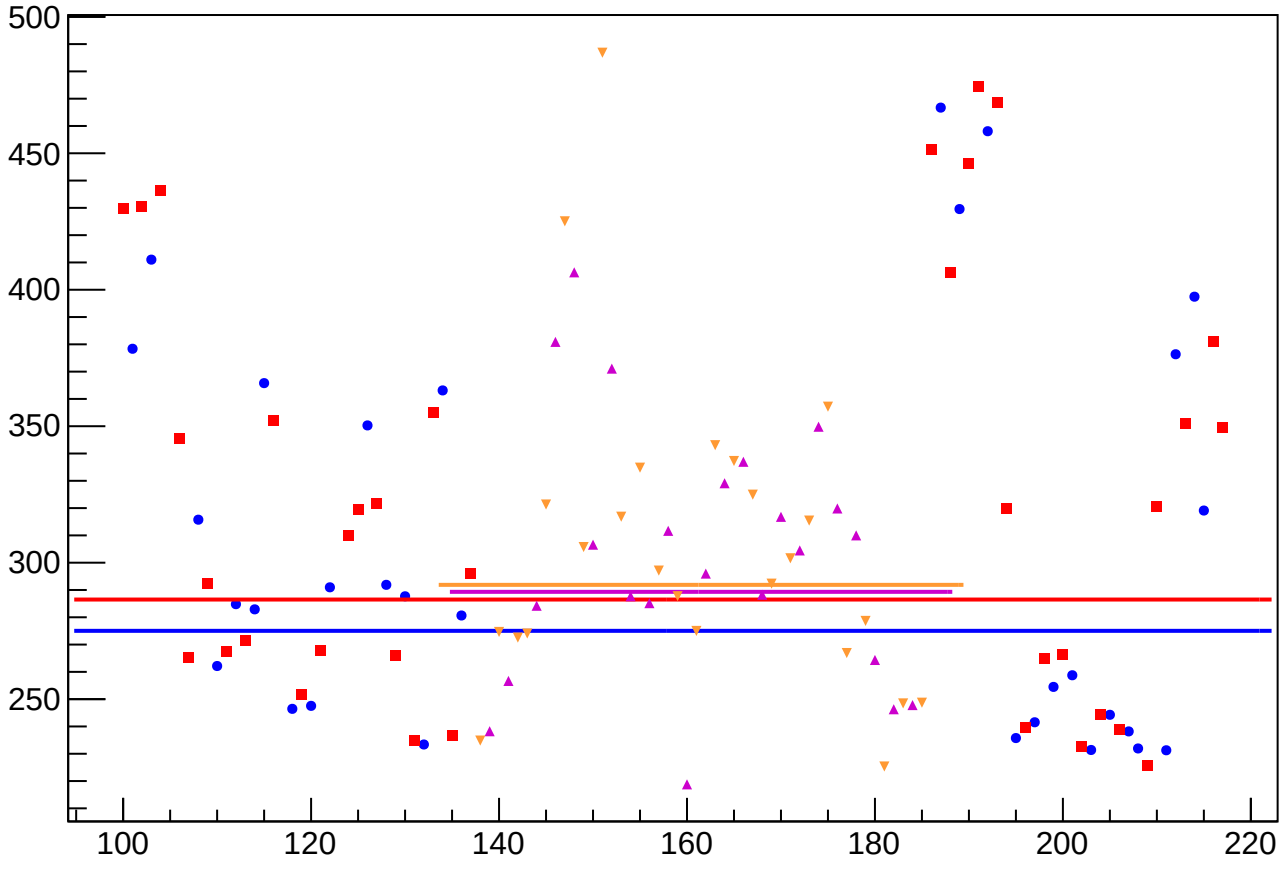
Right: 196.653+/-46.193 χ^2/NDF: 12055.8/66

In: 29.579+/-47.329 χ^2/NDF:5577.3/53

Out: 727.754+/-47.109 χ^2/NDF:8138.1/60

All: 380.295+/-33.389 χ^2/NDF: 13824.7/114

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: 286.500+/-0.046 χ^2/NDF: 1810225.3/35

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

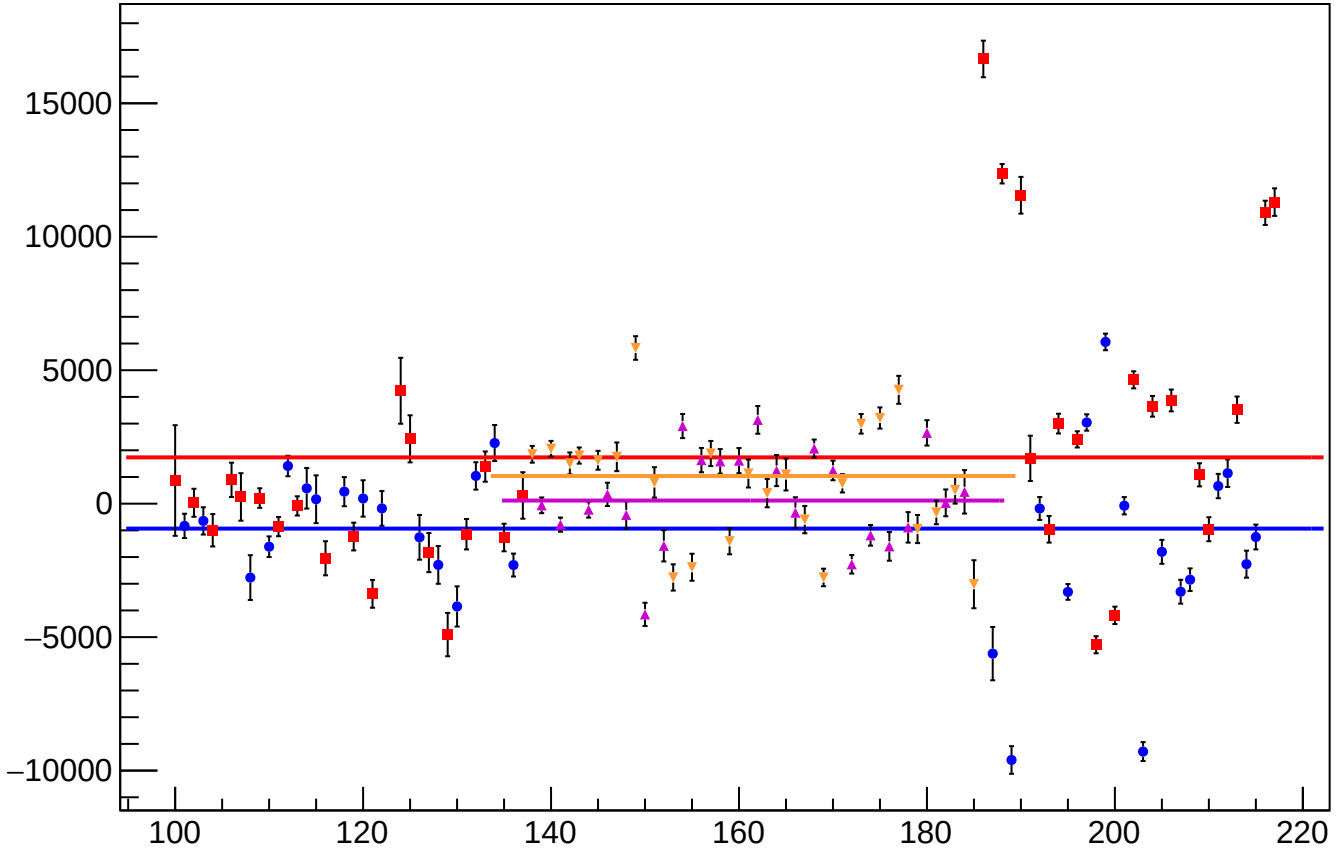
Right: 280.719+/-0.033 χ^2/NDF: 3399102.5/66

In: 281.759+/-0.033 χ^2/NDF:2412080.2/53

Out: 289.107+/-0.033 χ^2/NDF:2776664.0/60

All: 285.450+/-0.024 χ^2/NDF: 5212962.5/114

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: 1734.318+/-79.209 χ^2/NDF: 3774.9/35

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

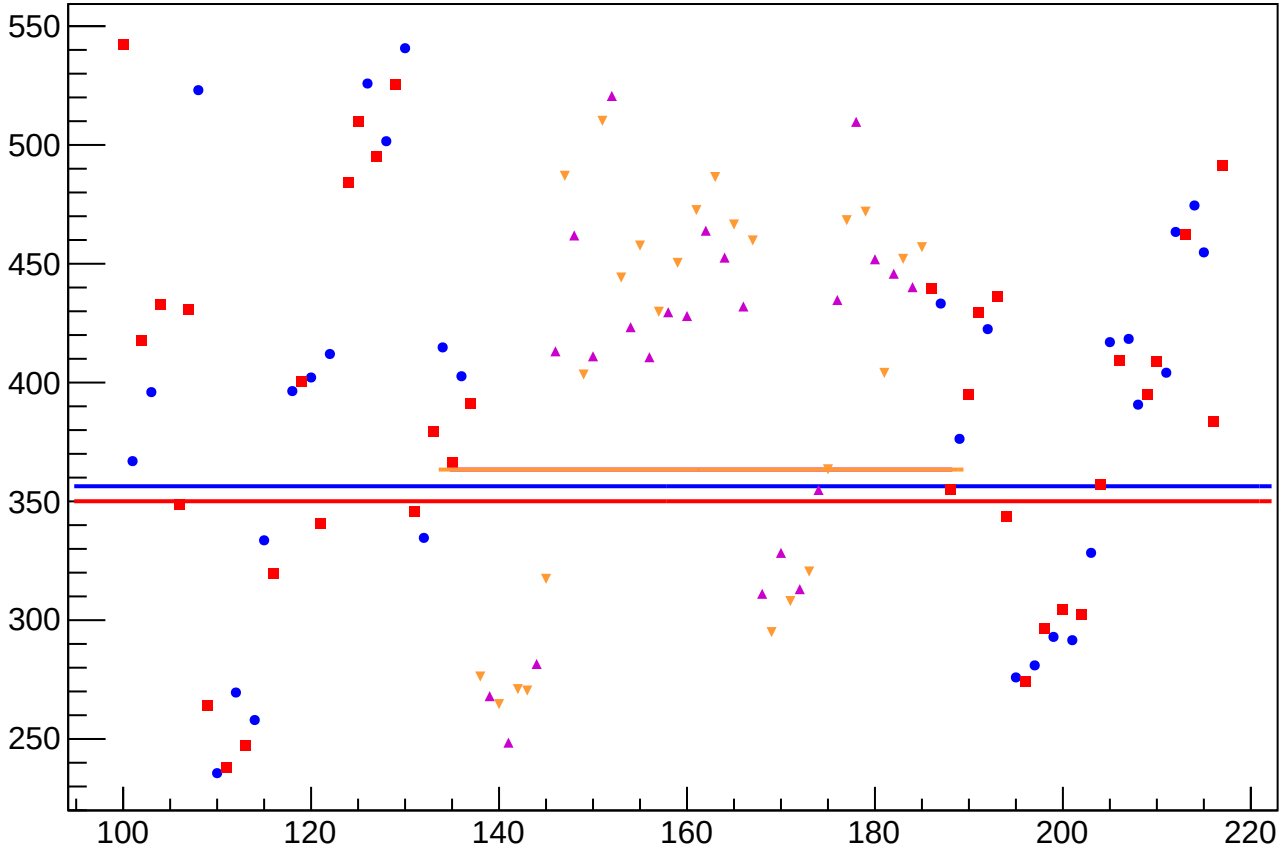
Right: 468.978+/-57.435 χ^2/NDF: 6137.4/66

In: -433.316+/-60.359 χ^2/NDF:2270.4/53

Out: 1411.191+/-58.012 χ^2/NDF:4380.9/60

All: 525.500+/-41.826 χ^2/NDF: 7136.8/114

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: 350.057+/-0.056 χ^2/NDF: 1614461.0/35

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

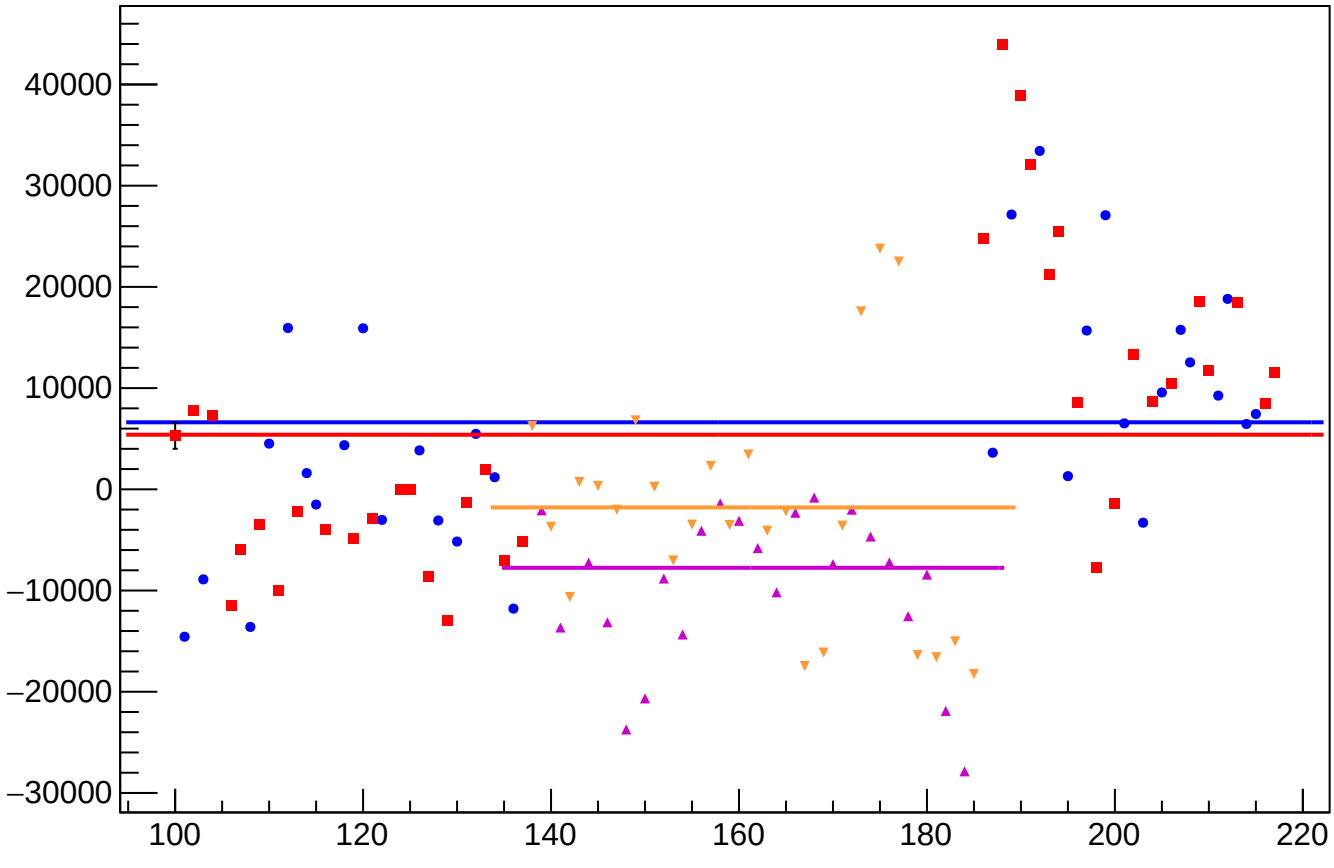
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 353.048+/-0.041 χ^2/NDF: 3308922.4/66

In: 359.709+/-0.043 χ^2/NDF:3406793.0/53

Out: 356.237+/-0.041 χ^2/NDF:3581220.2/60

All: 357.904+/-0.030 χ^2/NDF: 6991454.7/114



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: 5393.881+/-36.880 χ^2/NDF: 147782.5/35

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

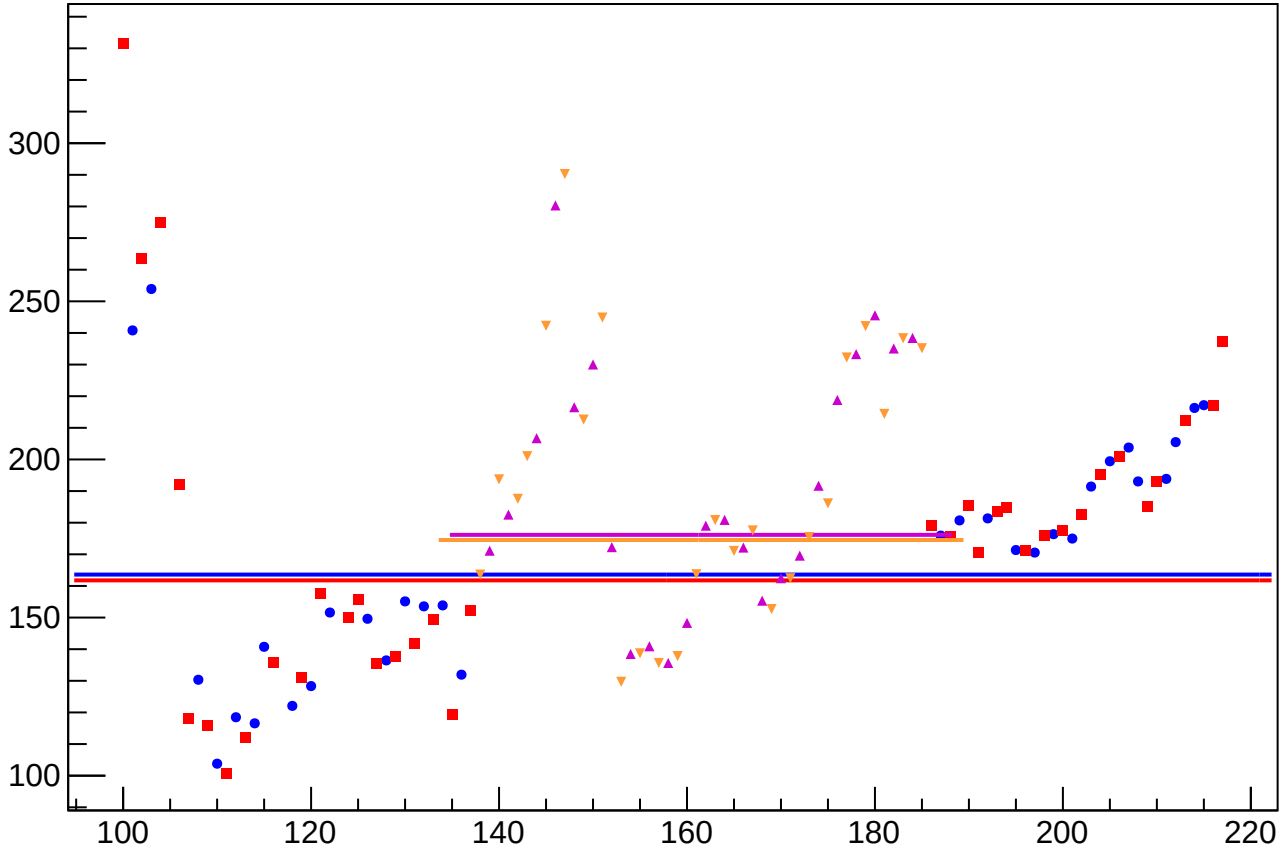
Right: 5981.698+/-26.630 χ^2/NDF: 245021.4/66

In: 155.093+/-28.552 χ^2/NDF:182730.7/53

Out: 2172.940+/-27.393 χ^2/NDF:230540.8/60

All: 1205.823+/-19.767 χ^2/NDF: 415872.3/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 163.592+/-0.027 χ^2/NDF: 1660588.8/30

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 161.760+/-0.026 χ^2/NDF: 2117564.2/35

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

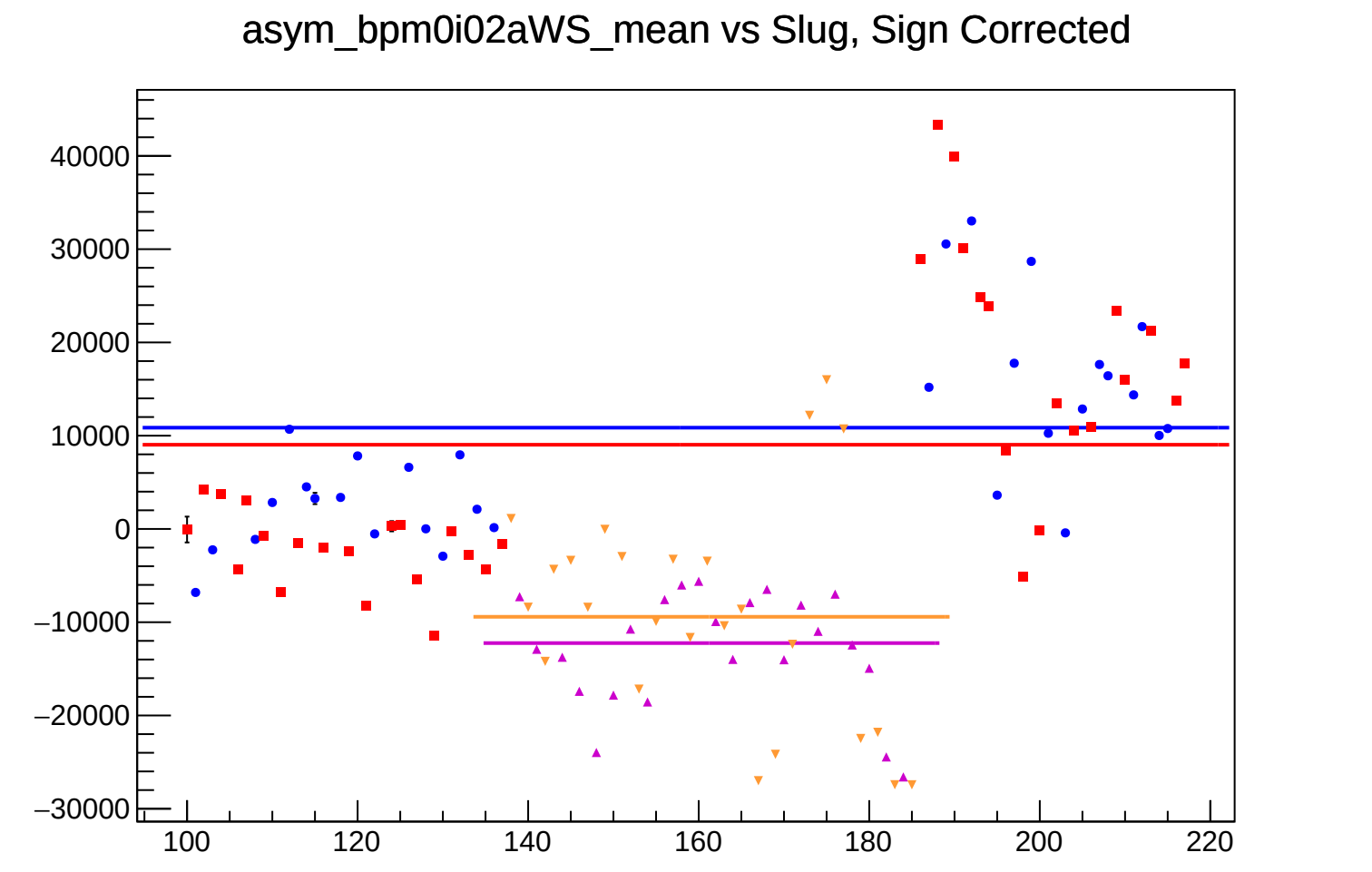
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 162.637+/-0.019 χ^2/NDF: 3780514.0/66

In: 169.243+/-0.020 χ^2/NDF:3123469.2/53

Out: 167.481+/-0.019 χ^2/NDF:3884374.4/60

All: 168.326+/-0.014 χ^2/NDF: 7011808.7/114



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: 9028.540+/-40.318 χ^2/NDF: 119882.2/35

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

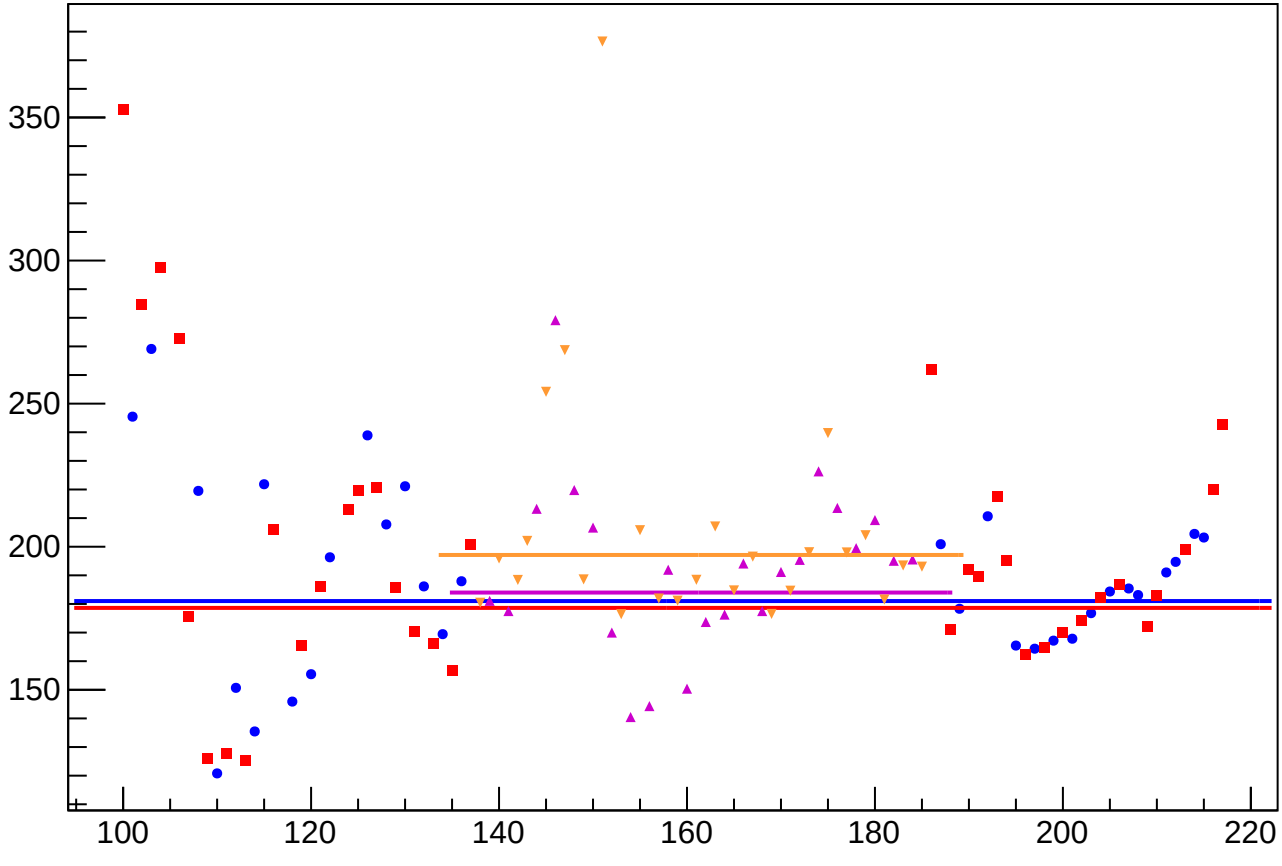
Right: 9906.599+/-29.081 χ^2/NDF: 177688.7/66

In: -98.256+/-30.440 χ^2/NDF:216399.7/53

Out: 953.553+/-30.233 χ^2/NDF:276246.2/60

All: 431.225+/-21.451 χ^2/NDF: 493246.9/114

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: 178.623+/-0.029 χ^2/NDF: 1419329.2/35

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

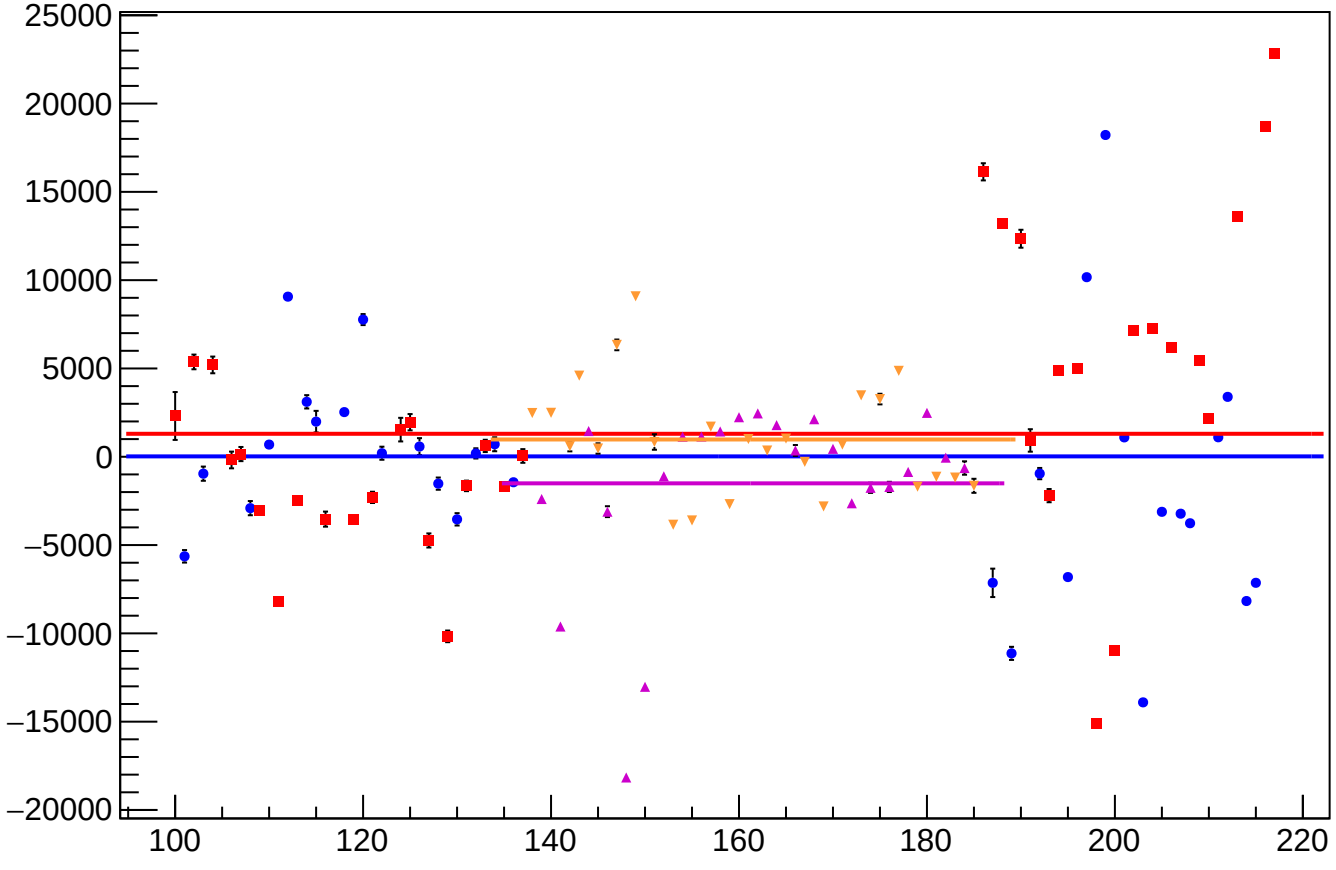
Right: 179.770+/-0.021 χ^2/NDF: 2258278.4/66

In: 182.424+/-0.022 χ^2/NDF:1670104.8/53

Out: 186.720+/-0.021 χ^2/NDF:2336159.9/60

All: 184.586+/-0.015 χ^2/NDF: 4026322.9/114

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: 1300.827+/-45.310 χ^2/NDF: 35397.5/35

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

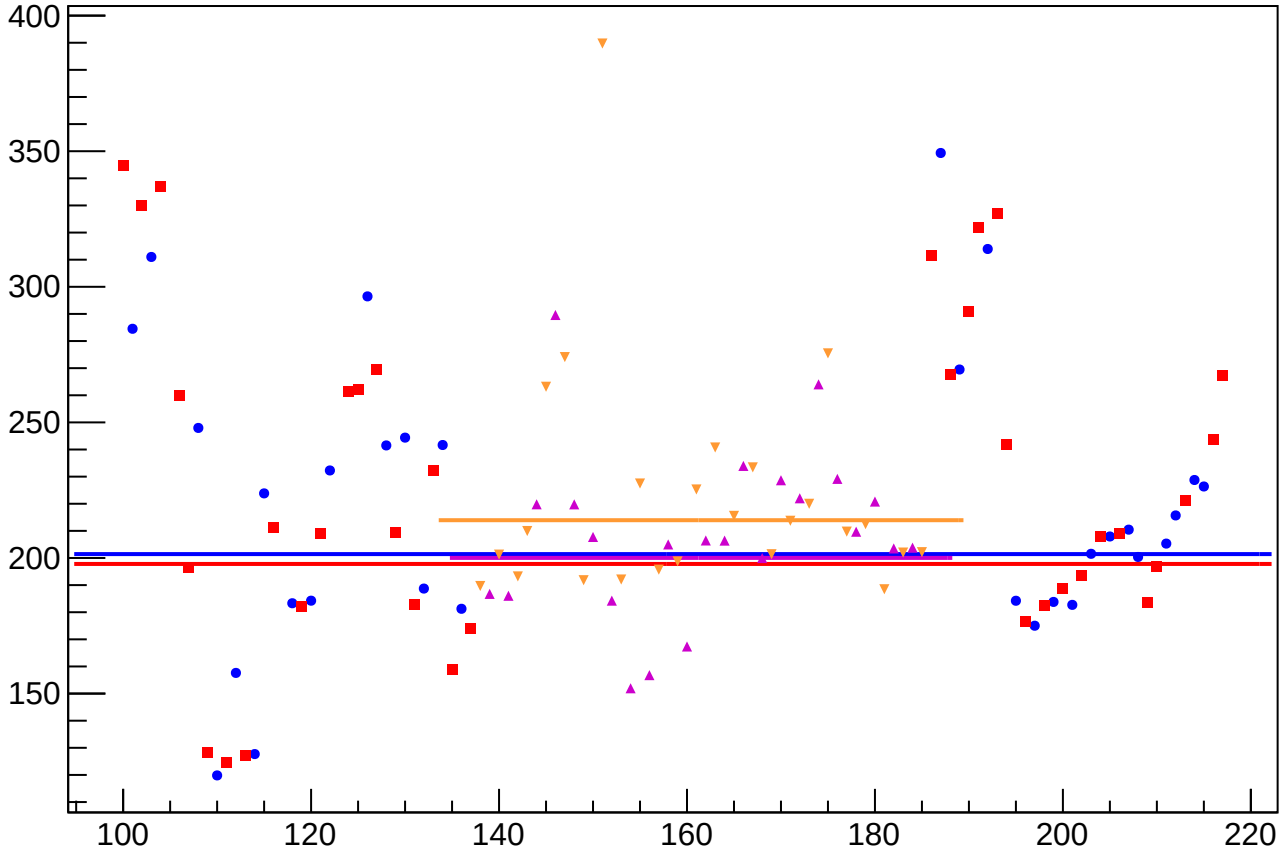
Right: 686.304+/-32.662 χ^2/NDF: 59653.5/66

In: -726.969+/-33.646 χ^2/NDF:35868.2/53

Out: 1154.193+/-33.455 χ^2/NDF:39743.4/60

All: 218.951+/-23.723 χ^2/NDF: 77183.5/114

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: 197.800+/-0.032 χ^2/NDF: 2469069.9/35

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

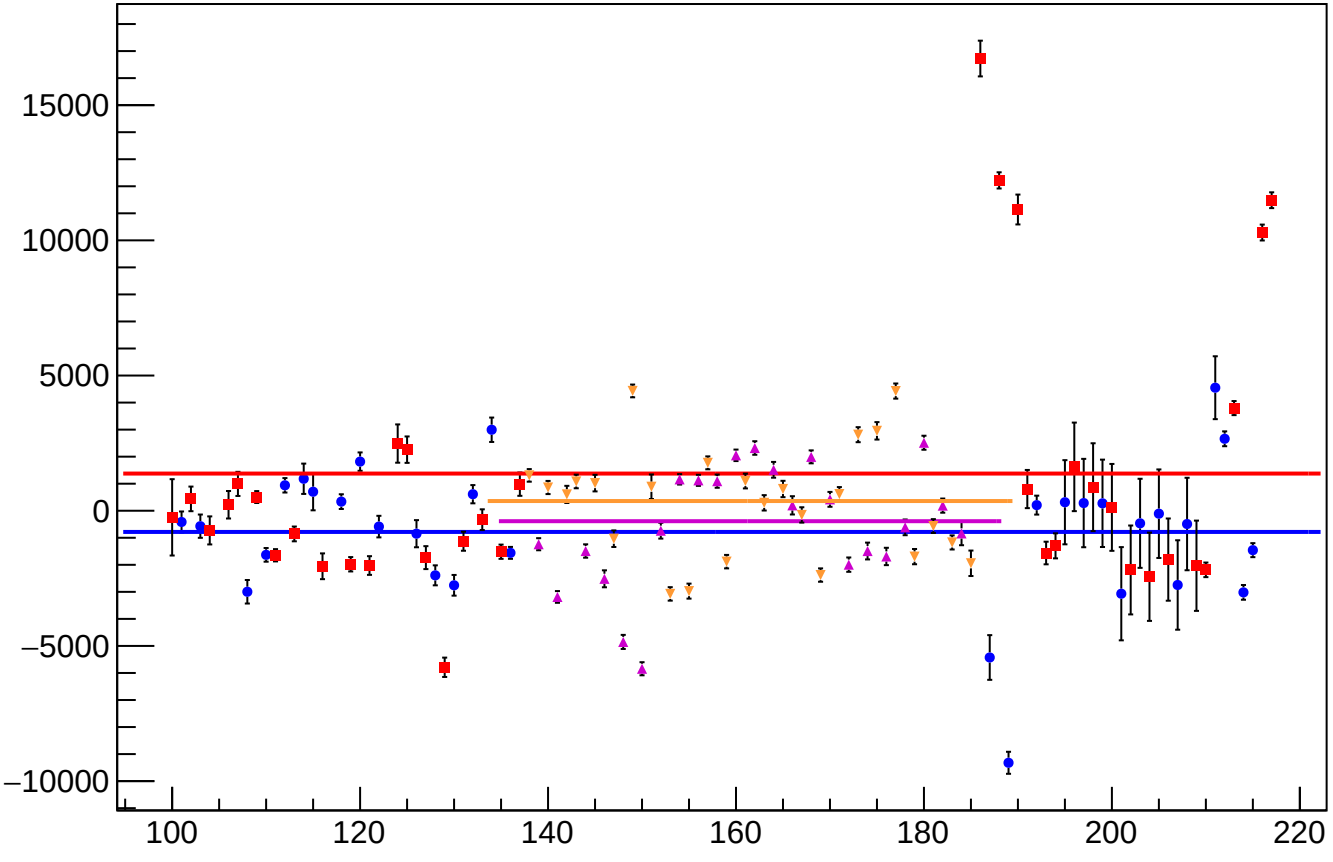
Right: 199.547+/-0.023 χ^2/NDF: 3991474.3/66

In: 200.747+/-0.024 χ^2/NDF:2302617.8/53

Out: 205.137+/-0.024 χ^2/NDF:3317998.2/60

All: 202.954+/-0.017 χ^2/NDF: 5637739.9/114

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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: 1374.849+/-65.072 χ^2/NDF: 5891.5/35

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

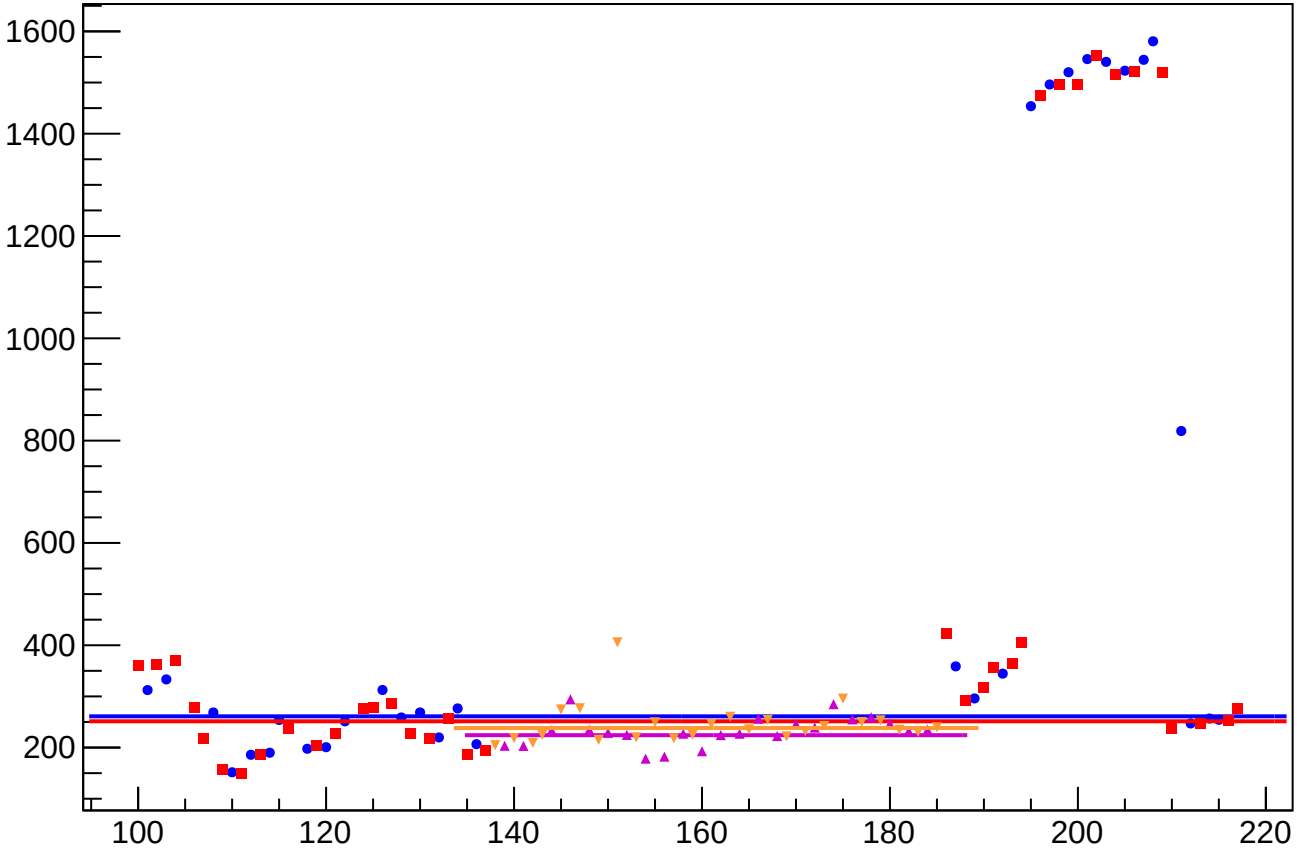
Right: 401.199+/-48.214 χ^2/NDF: 7441.9/66

In: -528.795+/-42.913 χ^2/NDF:2877.8/53

Out: 782.048+/-42.002 χ^2/NDF:7452.6/60

All: 140.694+/-30.017 χ^2/NDF: 10806.9/114

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: 251.365+/-0.046 χ^2/NDF: 10545575.5/35

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

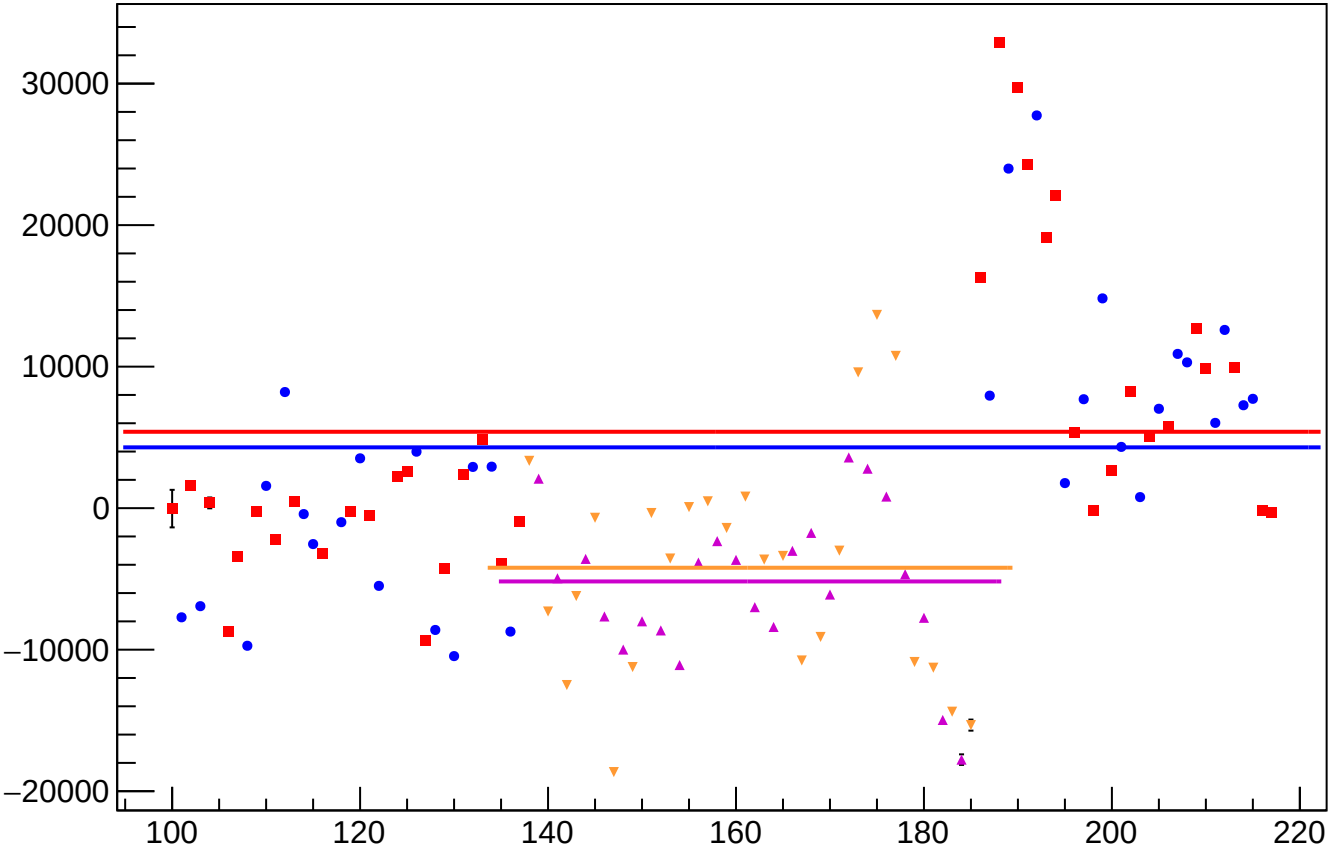
Right: 255.729+/-0.034 χ^2/NDF: 21626623.5/66

In: 237.370+/-0.030 χ^2/NDF:11962593.4/53

Out: 243.685+/-0.030 χ^2/NDF:11161275.6/60

All: 240.595+/-0.021 χ^2/NDF: 23145985.1/11

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: 5397.716+/-31.158 χ^2/NDF: 107251.7/35

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

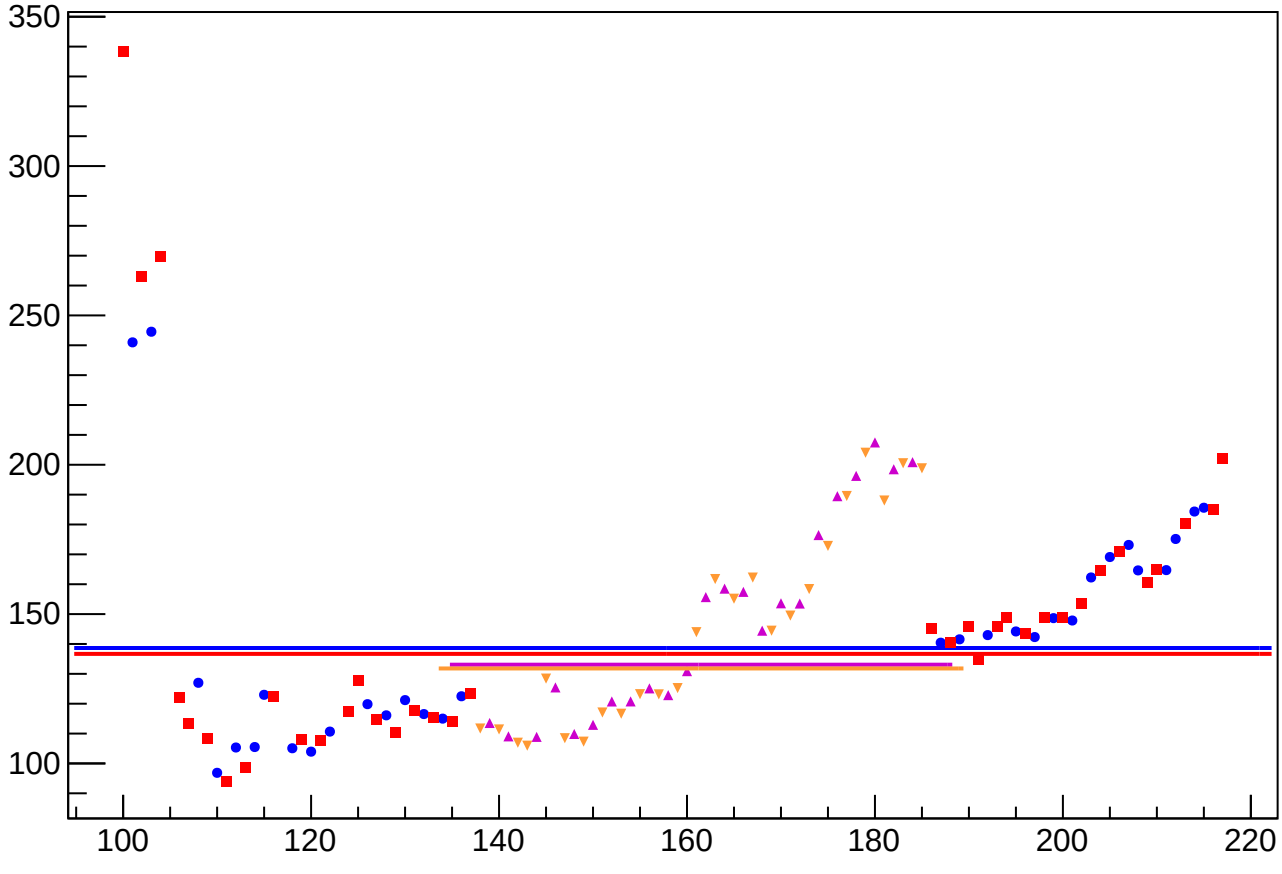
Right: 4873.682+/-22.555 χ^2/NDF: 189913.2/66

In: -546.633+/-22.857 χ^2/NDF:143546.3/53

Out: 542.525+/-21.914 χ^2/NDF:212108.2/60

All: 20.868+/-15.819 χ^2/NDF: 356837.6/114

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: 136.679+/-0.022 χ^2/NDF: 1985478.4/35

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

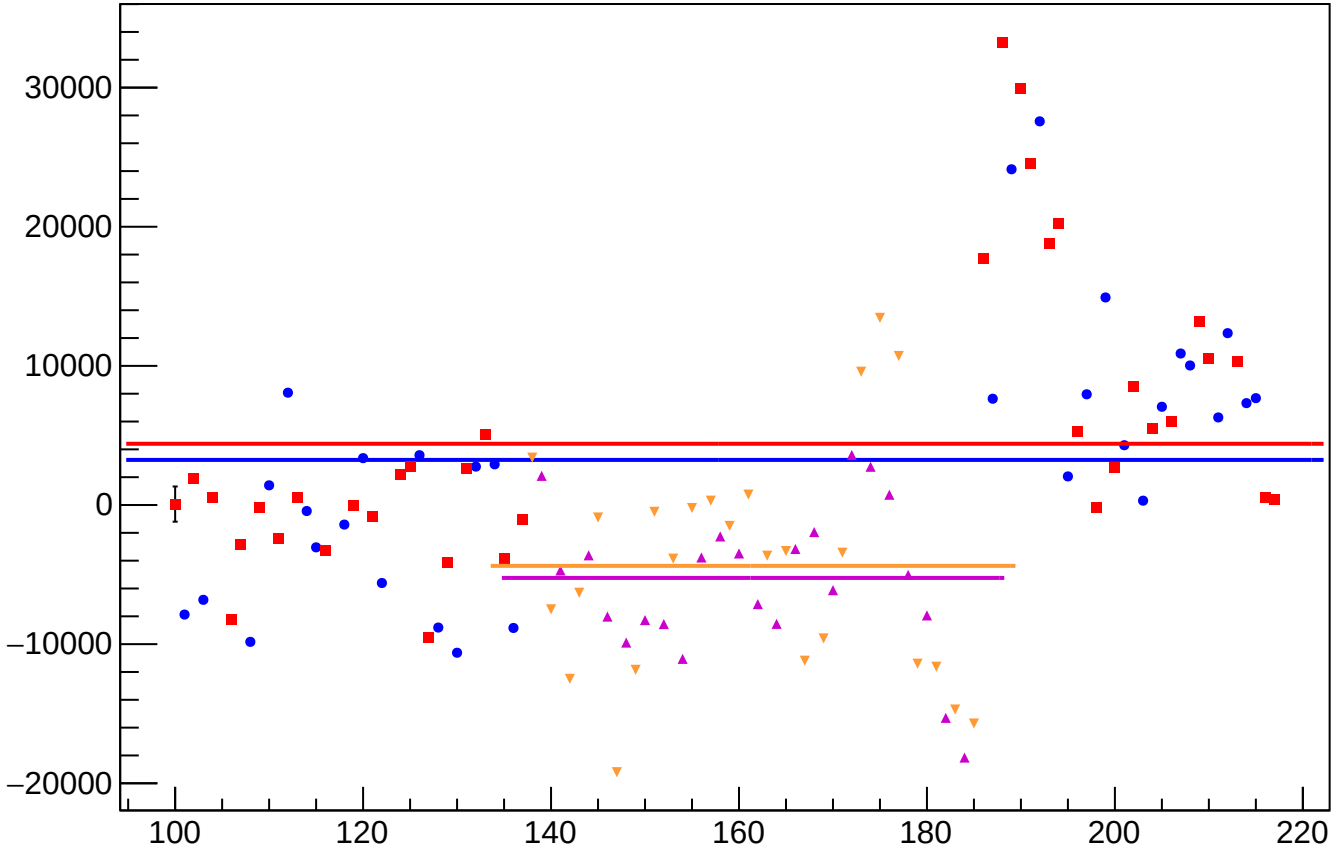
Right: 137.617+/-0.016 χ^2/NDF: 3659471.1/66

In: 135.793+/-0.016 χ^2/NDF:3118305.6/53

Out: 134.212+/-0.015 χ^2/NDF:3554628.3/60

All: 134.969+/-0.011 χ^2/NDF: 6677913.8/114

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 3242.449+/-29.471 χ^2/NDF: 92978.5/30

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 4402.264+/-28.247 χ^2/NDF: 117027.3/35

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

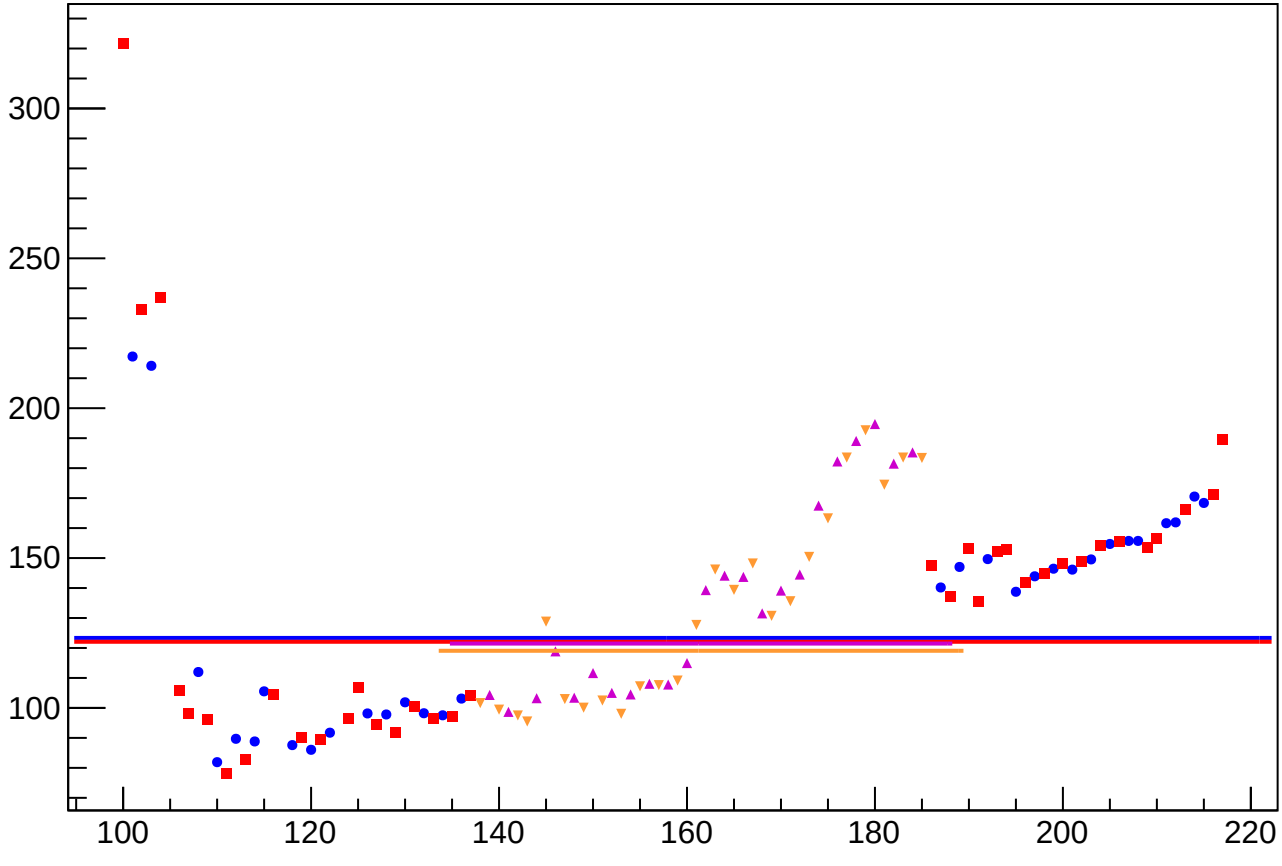
Right: 3846.950+/-20.393 χ^2/NDF: 210813.0/66

In: -1030.390+/-20.761 χ^2/NDF:156979.9/53

Out: -30.750+/-19.870 χ^2/NDF:232999.8/60

All: -508.644+/-14.355 χ^2/NDF: 391189.7/11

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 123.354+/-0.021 χ^2/NDF: 2477120.4/30

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 122.073+/-0.020 χ^2/NDF: 2959085.4/35

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

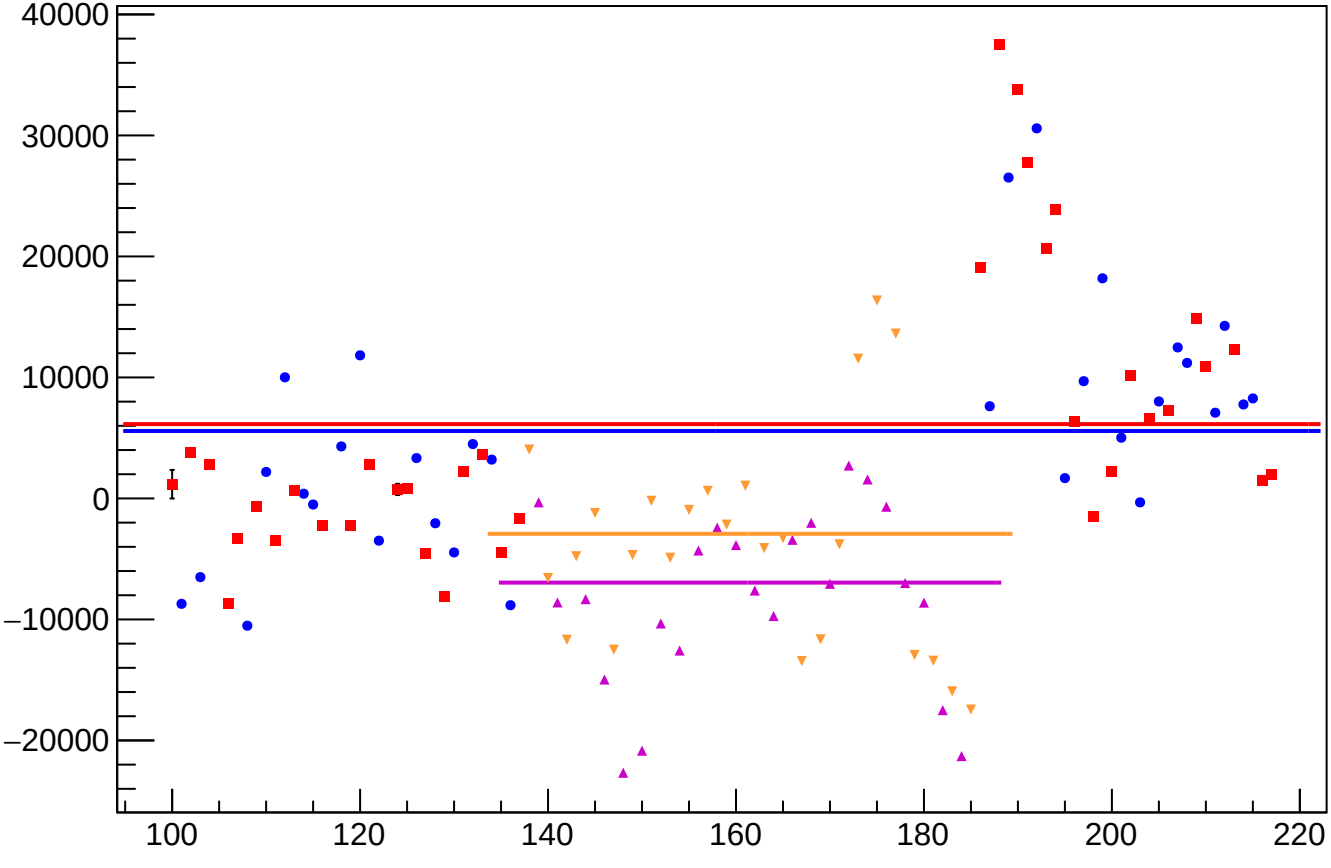
Right: 122.686+/-0.014 χ^2/NDF: 5438173.6/66

In: 122.404+/-0.015 χ^2/NDF:4010625.8/53

Out: 120.553+/-0.014 χ^2/NDF:4725979.6/60

All: 121.438+/-0.010 χ^2/NDF: 8744899.6/114

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: 6142.165+/-37.031 χ^2/NDF: 96061.5/35

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

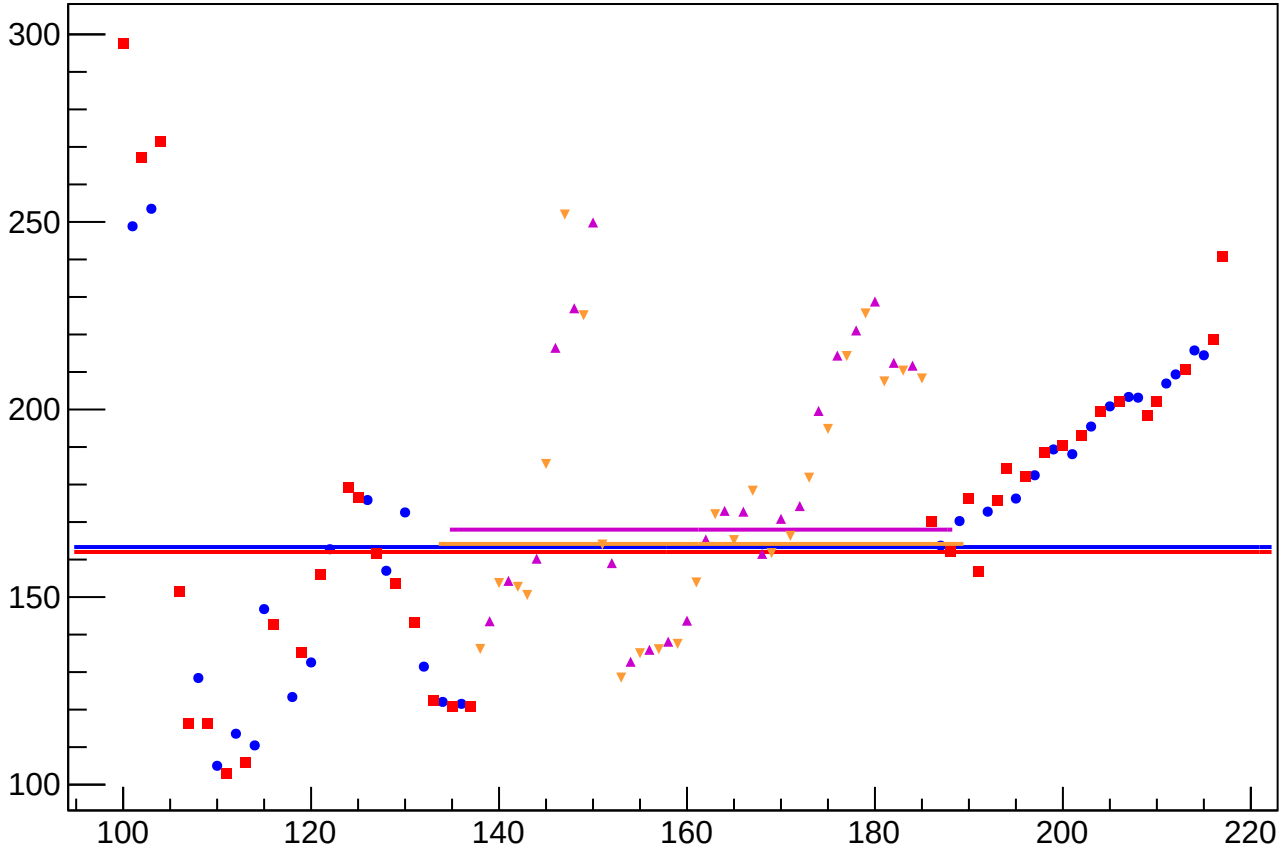
Right: 5870.312+/-26.719 χ^2/NDF: 161244.0/66

In: -427.866+/-27.854 χ^2/NDF:137926.7/53

Out: 1748.606+/-26.583 χ^2/NDF:163158.7/60

All: 711.136+/-19.231 χ^2/NDF: 304280.7/114

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: 162.016+/-0.026 χ^2/NDF: 2304470.3/35

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

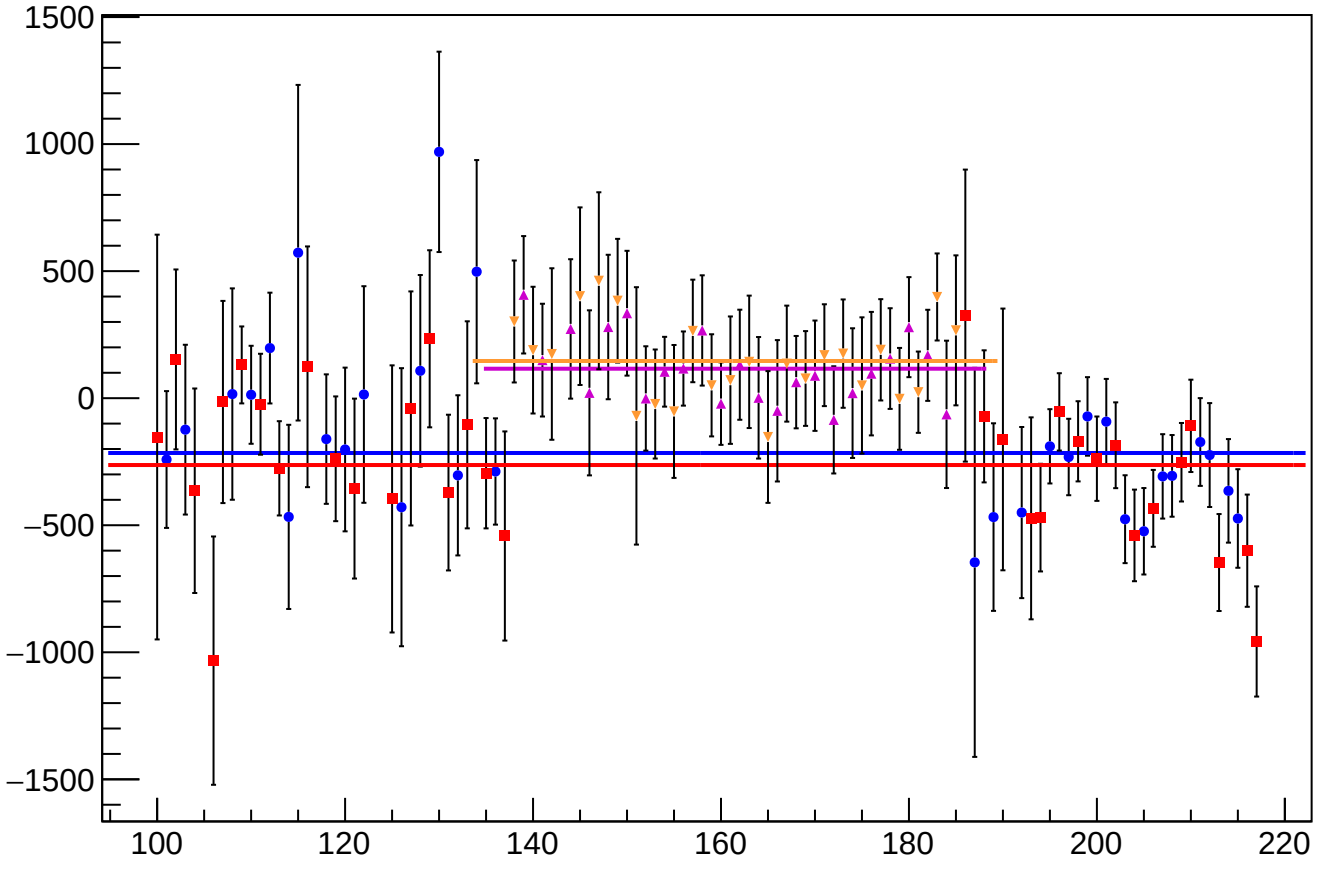
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 162.649+/-0.019 χ^2/NDF: 4311572.6/66

In: 165.559+/-0.020 χ^2/NDF:3242469.1/53

Out: 163.061+/-0.019 χ^2/NDF:3532161.4/60

All: 164.252+/-0.014 χ^2/NDF: 6783044.3/114



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: -263.072+/-39.701 χ^2/NDF: 42.7/33

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

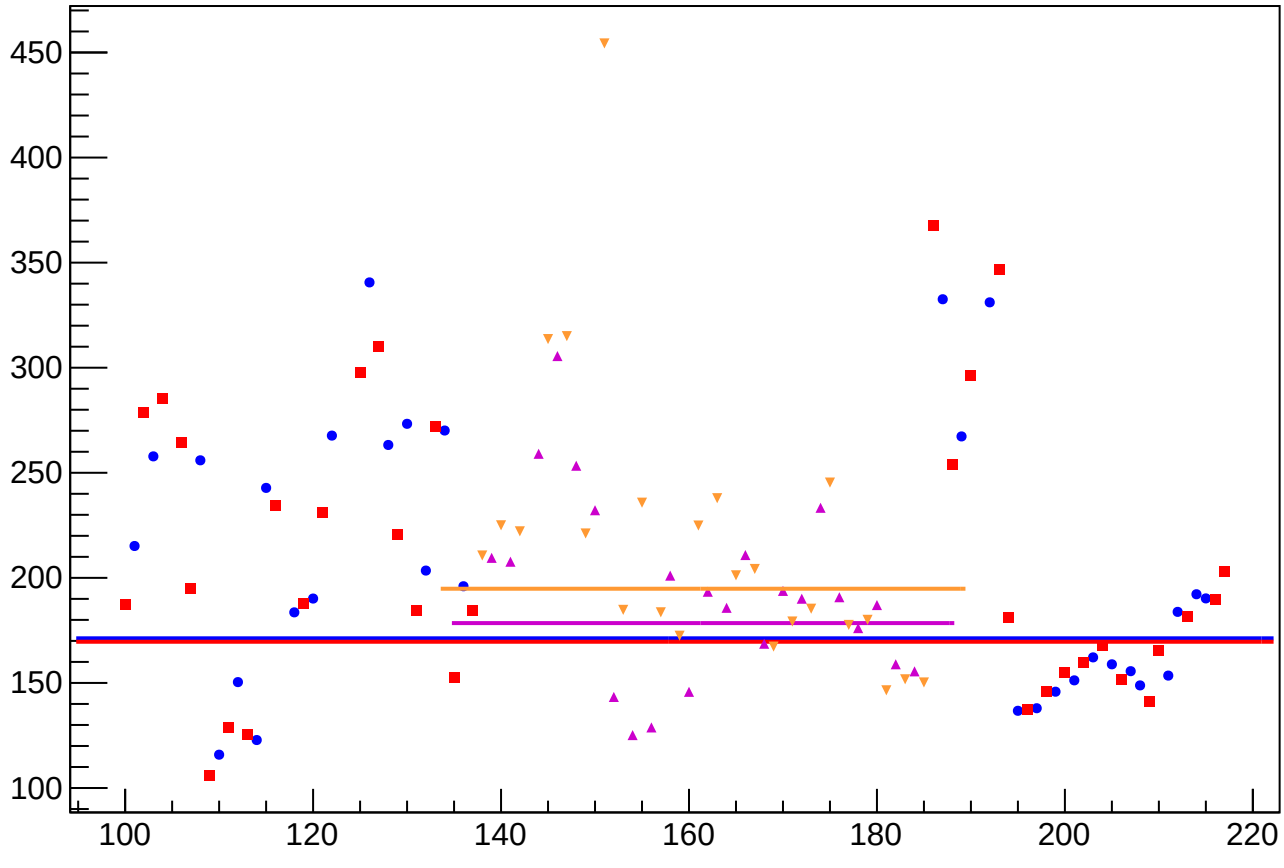
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -239.843+/-28.358 χ^2/NDF: 75.1/64

In: -61.979+/-29.683 χ^2/NDF:70.3/53

Out: -92.283+/-30.310 χ^2/NDF:97.0/57

All: -76.815+/-21.207 χ^2/NDF: 167.9/111



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: 169.602+/-0.028 χ^2/NDF: 2891853.6/33

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

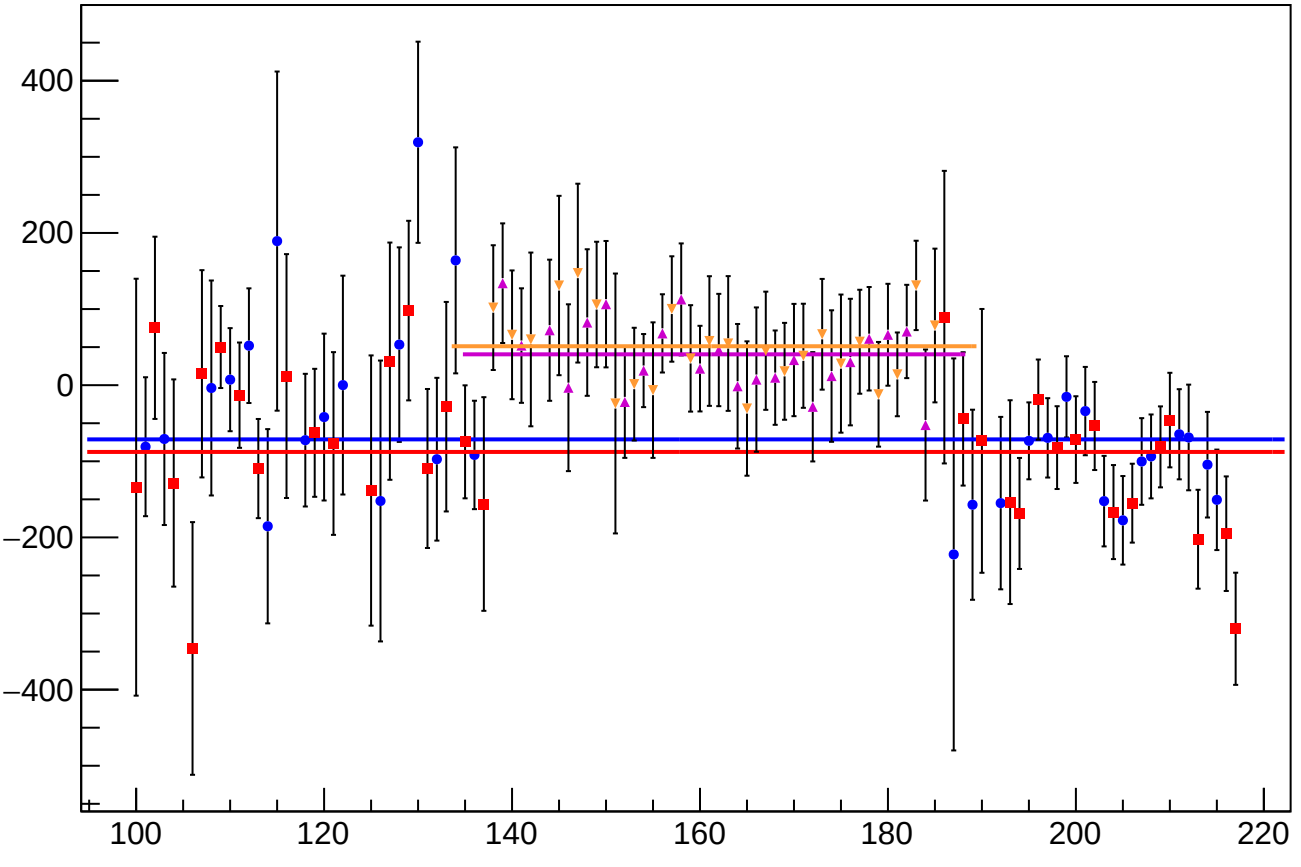
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 170.401+/-0.020 χ^2/NDF: 5223930.9/64

In: 174.589+/-0.021 χ^2/NDF:4036288.9/53

Out: 180.125+/-0.021 χ^2/NDF:4981171.8/57

All: 177.299+/-0.015 χ^2/NDF: 9051512.6/11



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: -87.708+/-13.644 χ^2/NDF: 40.5/33

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

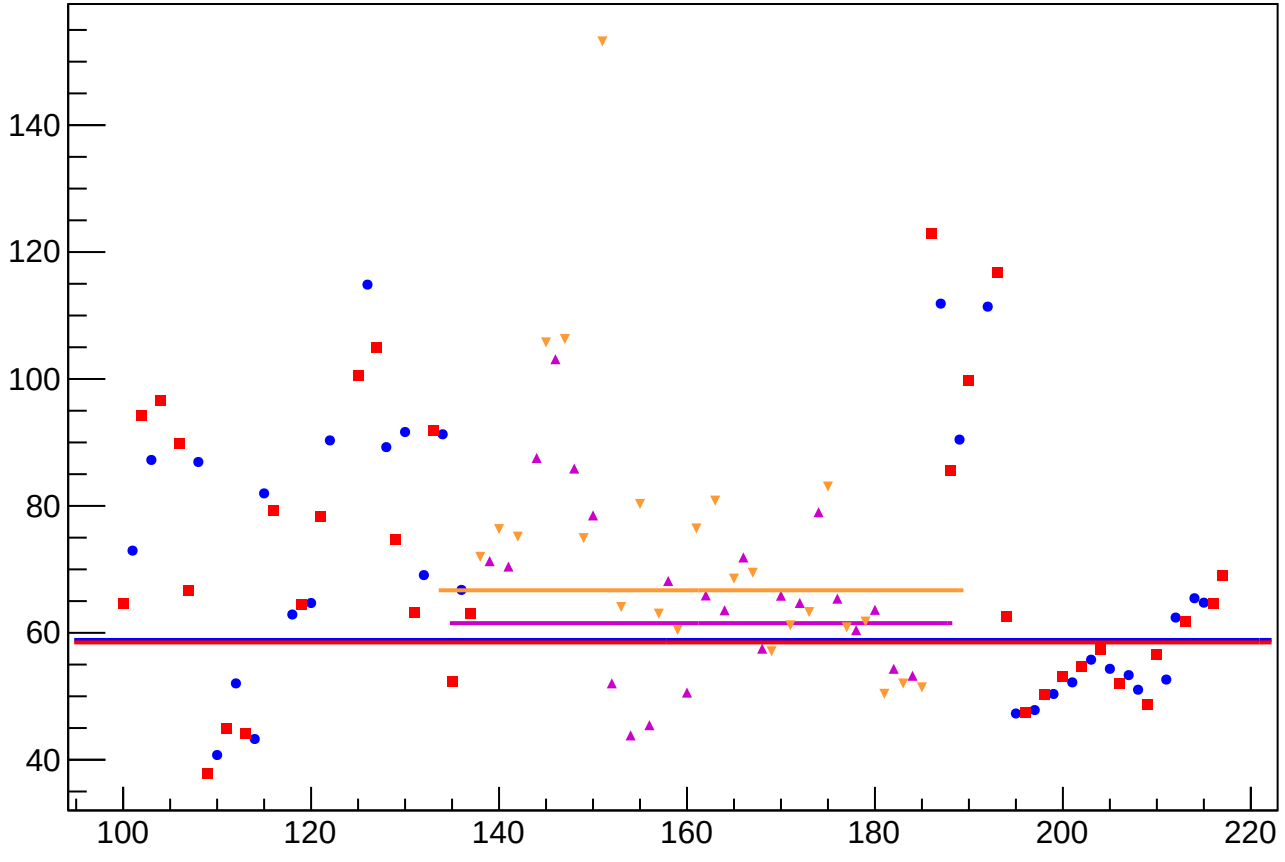
Right: -79.614+/-9.737 χ^2/NDF: 70.7/64

In: -19.503+/-10.188 χ^2/NDF:67.2/53

Out: -29.399+/-10.392 χ^2/NDF:92.1/57

All: -24.353+/-7.275 χ^2/NDF: 159.8/111

asym_bcm_2an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 58.877+/-0.010 χ^2/NDF: 2180457.6/30

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.490+/-0.010 χ^2/NDF: 2682998.2/33

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

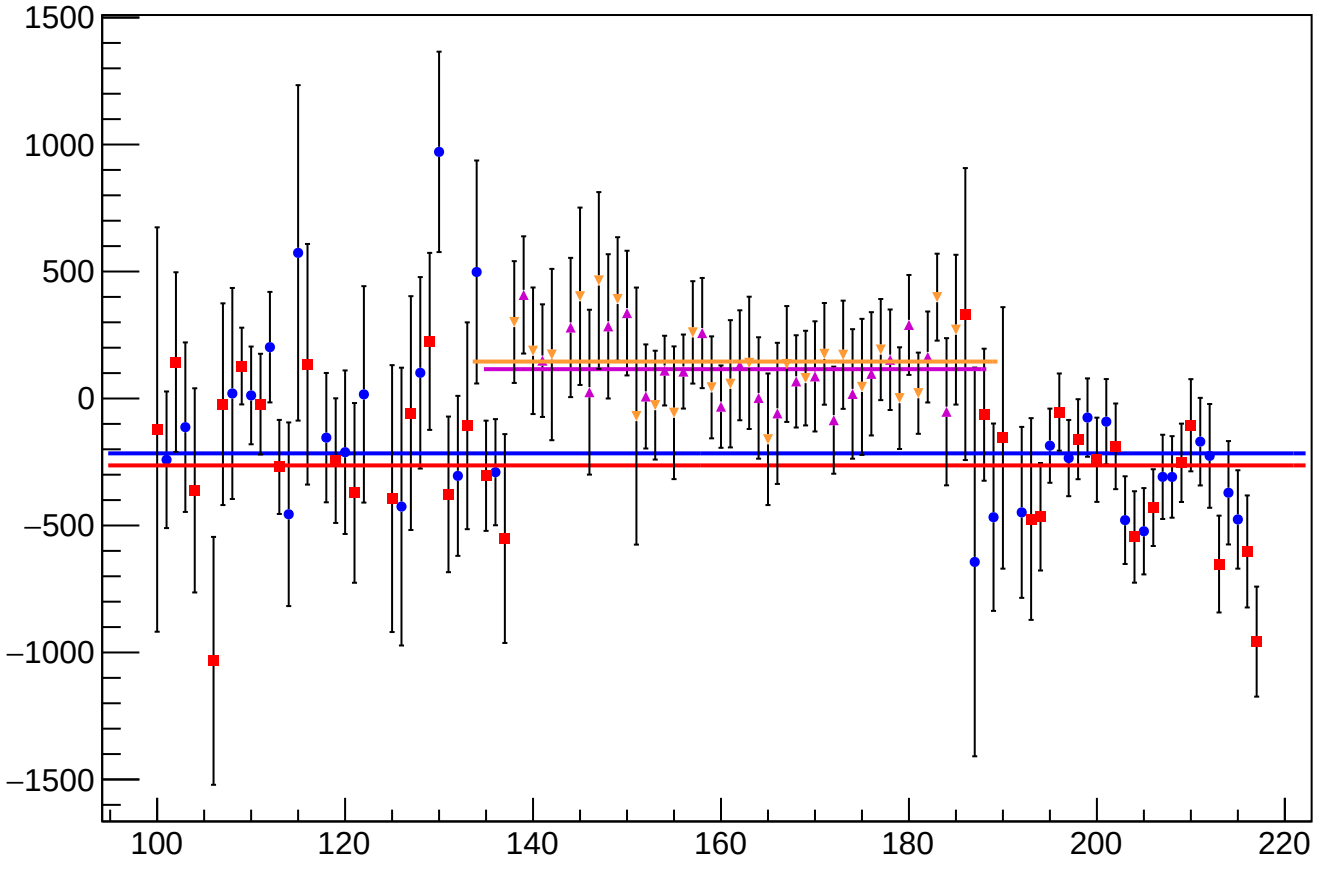
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.680+/-0.007 χ^2/NDF: 4864247.1/64

In: 60.104+/-0.007 χ^2/NDF:3703992.1/53

Out: 61.938+/-0.007 χ^2/NDF:4663665.4/57

All: 61.003+/-0.005 χ^2/NDF: 8399427.5/111



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: -263.428+/-39.651 χ^2/NDF: 43.0/33

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

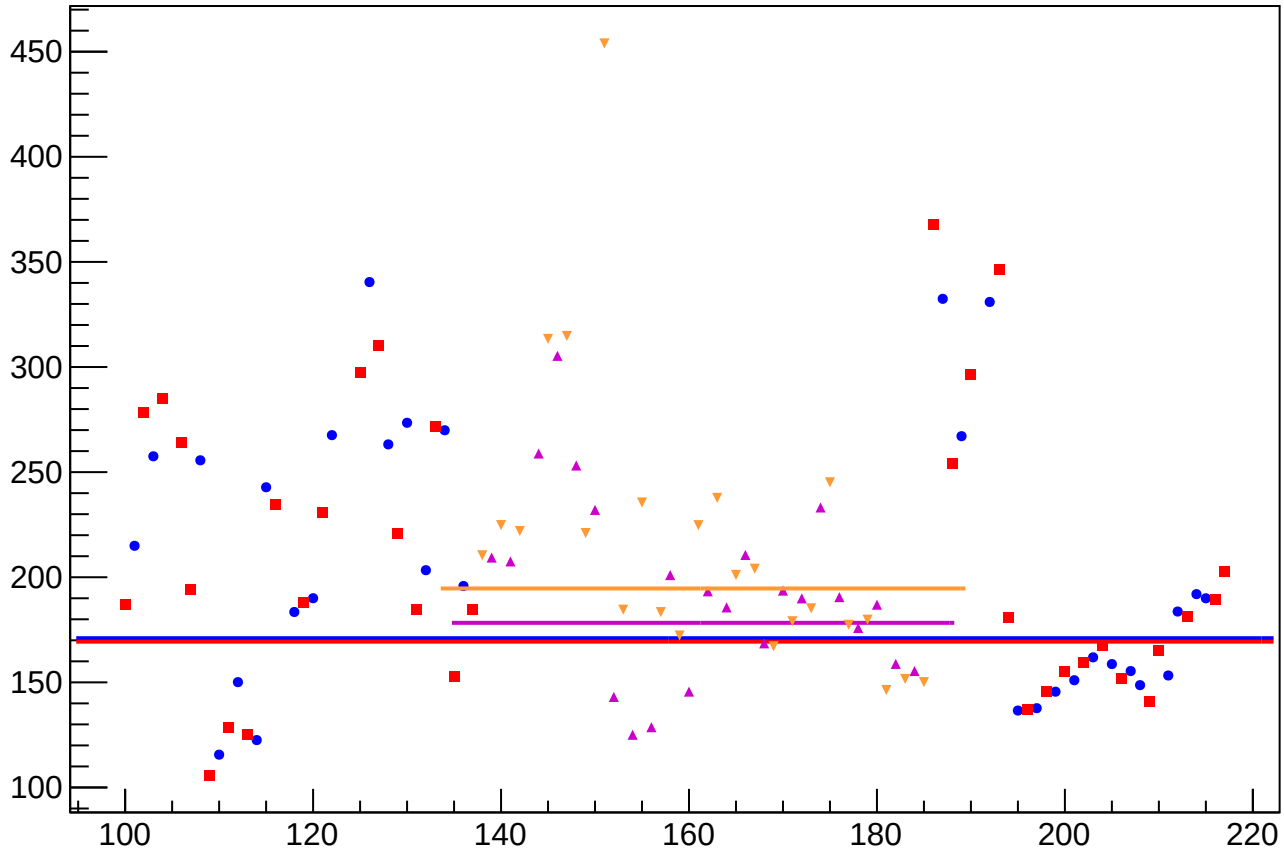
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -240.198+/-28.322 χ^2/NDF: 75.5/64

In: -62.464+/-29.651 χ^2/NDF:70.7/53

Out: -92.938+/-30.277 χ^2/NDF:97.5/57

All: -77.383+/-21.184 χ^2/NDF: 168.8/111



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: 169.367+/-0.028 χ^2/NDF: 2900470.4/33

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

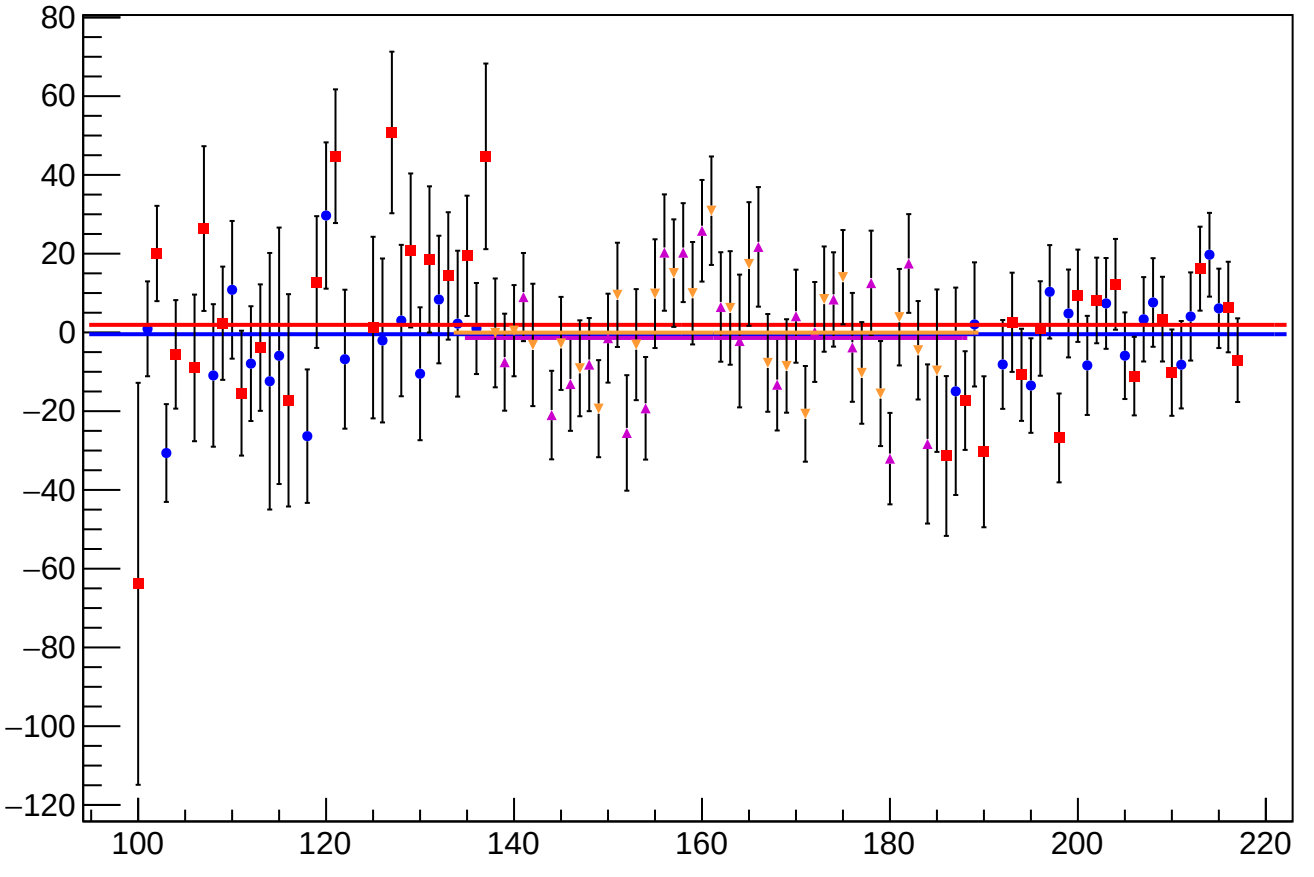
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 170.168+/-0.020 χ^2/NDF: 5239148.9/64

In: 174.390+/-0.021 χ^2/NDF:4045628.5/53

Out: 179.913+/-0.021 χ^2/NDF:4992870.8/57

All: 177.094+/-0.015 χ^2/NDF: 9072462.7/11



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: 1.923+/-2.398 χ^2/NDF: 49.8/33

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

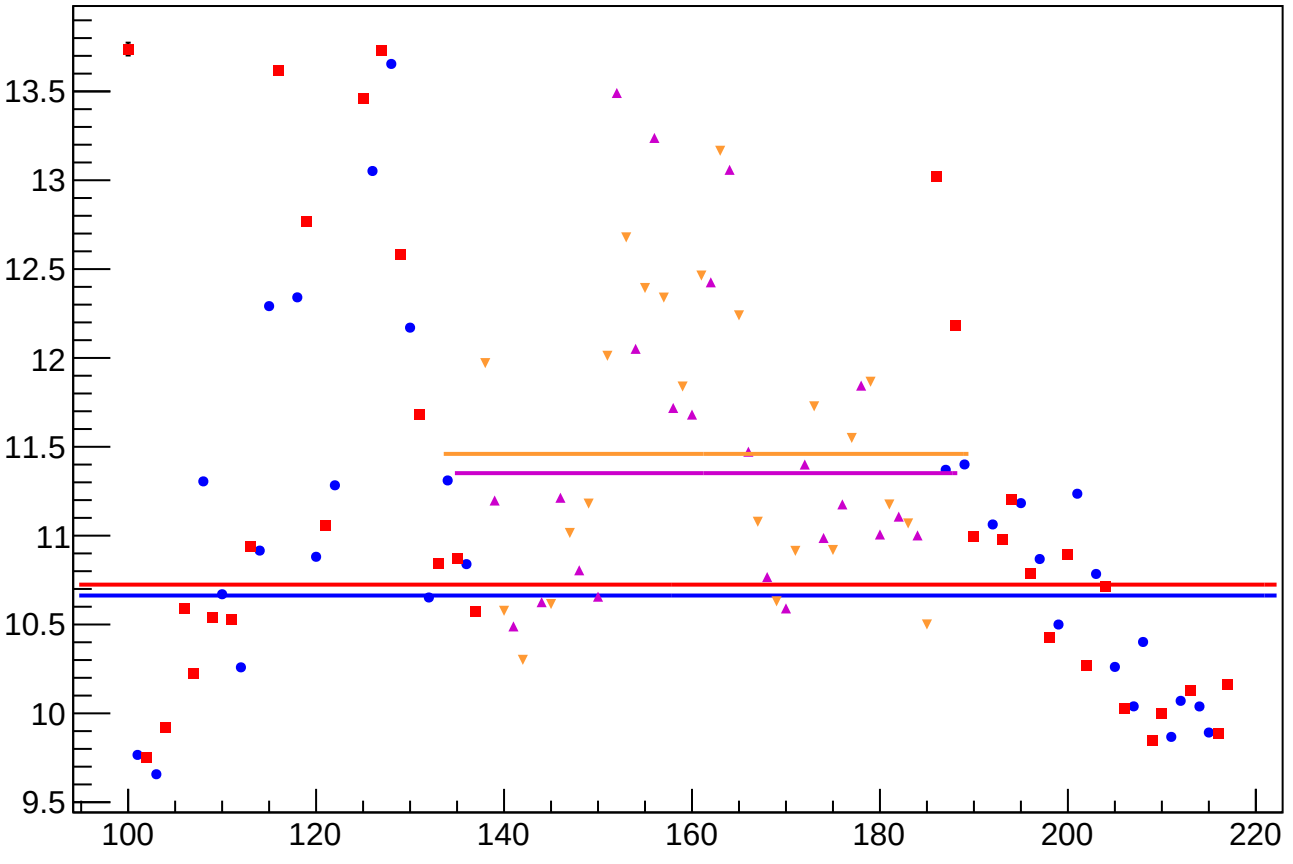
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 0.755+/-1.712 χ^2/NDF: 72.6/64

In: -0.889+/-1.804 χ^2/NDF:58.7/53

Out: 1.049+/-1.789 χ^2/NDF:70.6/57

All: 0.088+/-1.270 χ^2/NDF: 129.9/111



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: 10.724+/-0.002 χ^2/NDF: 294627.0/33

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

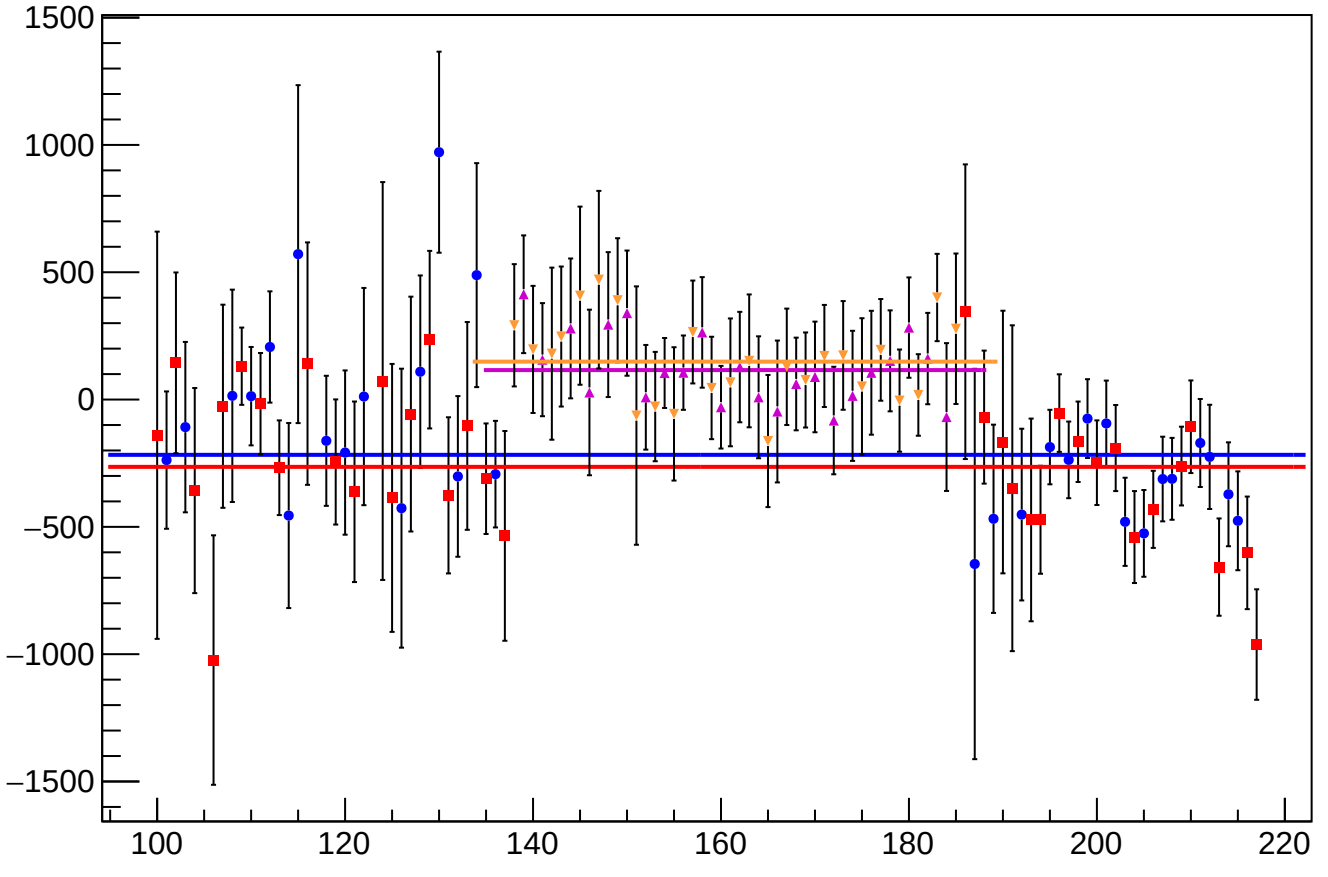
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.694+/-0.001 χ^2/NDF: 507121.0/64

In: 10.976+/-0.001 χ^2/NDF:454702.7/53

Out: 11.051+/-0.001 χ^2/NDF:528585.3/57

All: 11.014+/-0.001 χ^2/NDF: 985003.4/111



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: -264.321+/-39.629 χ^2/NDF: 43.3/35

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

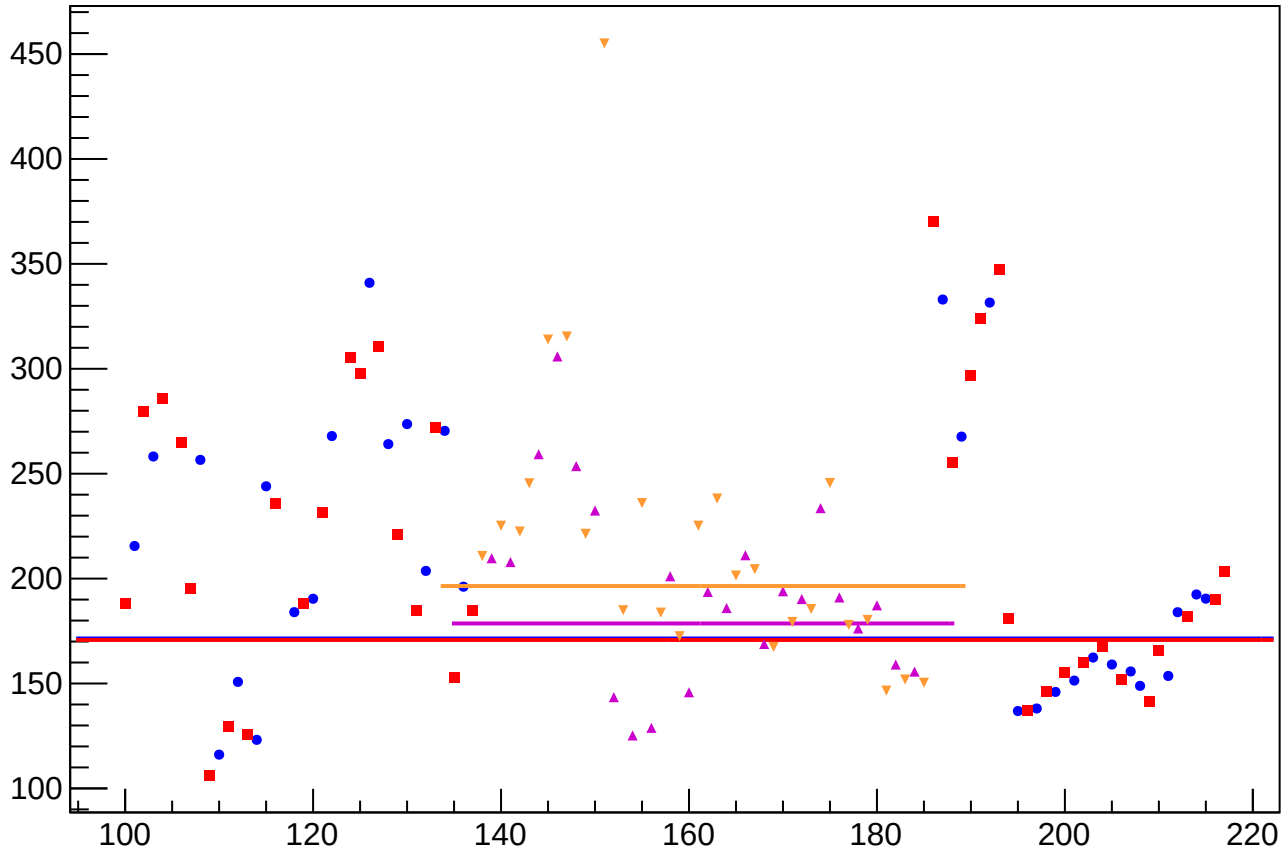
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -241.270+/-28.349 χ^2/NDF: 75.8/66

In: -62.821+/-29.714 χ^2/NDF:70.9/53

Out: -89.624+/-30.109 χ^2/NDF:99.7/60

All: -76.046+/-21.149 χ^2/NDF: 171.0/114



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: 170.764+/-0.028 χ^2/NDF: 3072484.6/35

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

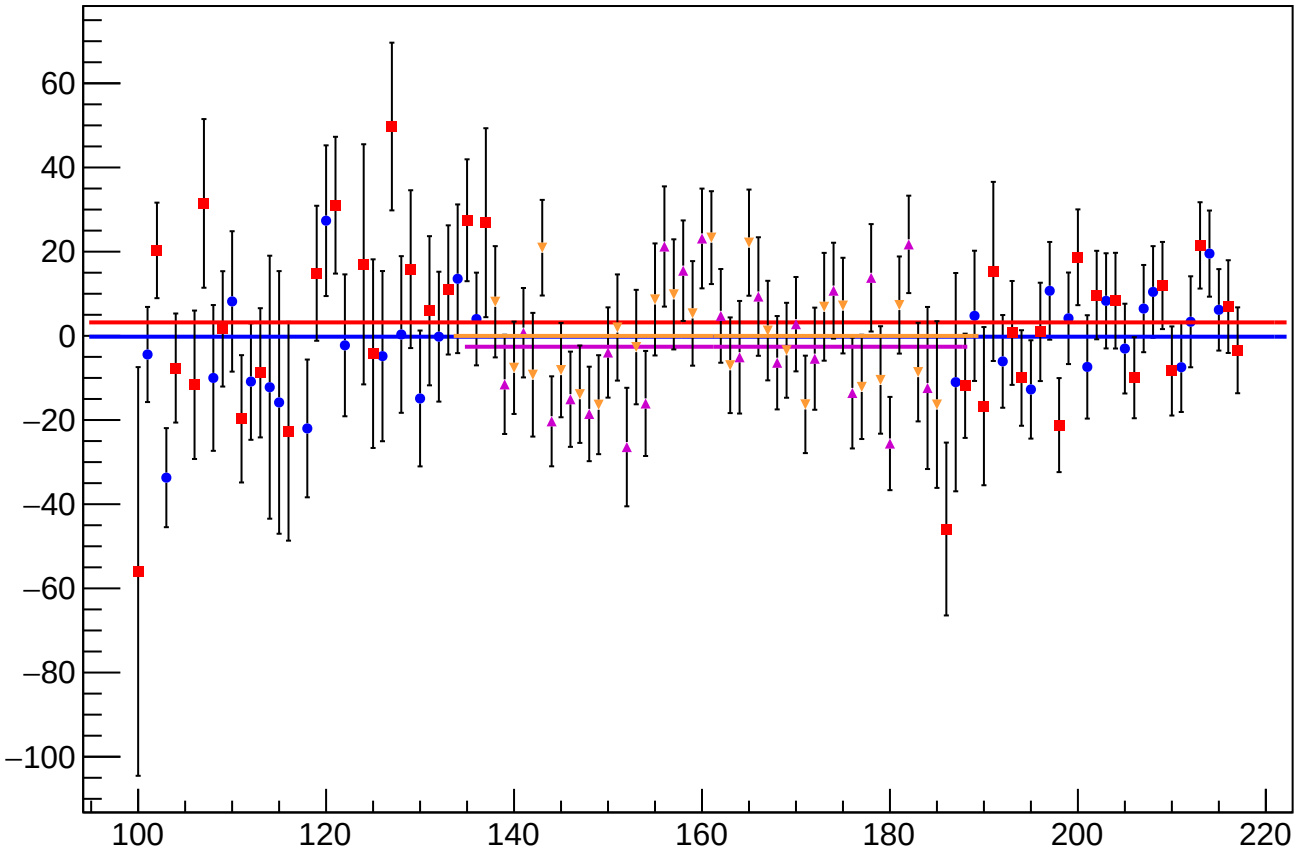
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 171.094+/-0.020 χ^2/NDF: 5405012.8/66

In: 174.766+/-0.021 χ^2/NDF:4040089.5/53

Out: 181.625+/-0.021 χ^2/NDF:5246567.6/60

All: 178.150+/-0.015 χ^2/NDF: 9339237.7/114



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: 3.194+/-2.293 χ^2/NDF: 49.7/35

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

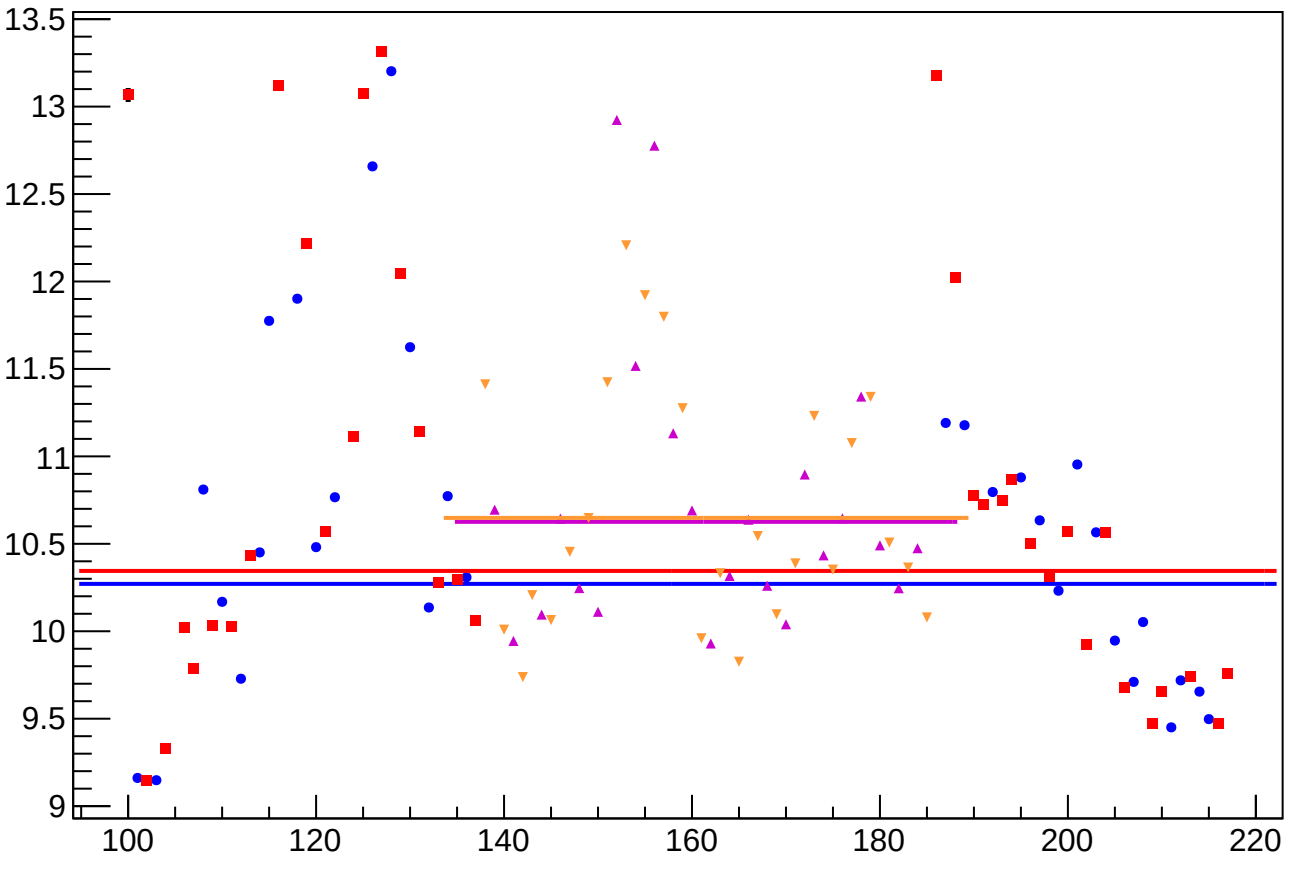
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 1.541+/-1.643 χ^2/NDF: 76.2/66

In: -1.324+/-1.716 χ^2/NDF:60.7/53

Out: 1.691+/-1.672 χ^2/NDF:74.4/60

All: 0.223+/-1.198 χ^2/NDF: 136.7/114



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: 10.345+/-0.002 χ^2/NDF: 338487.8/35

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

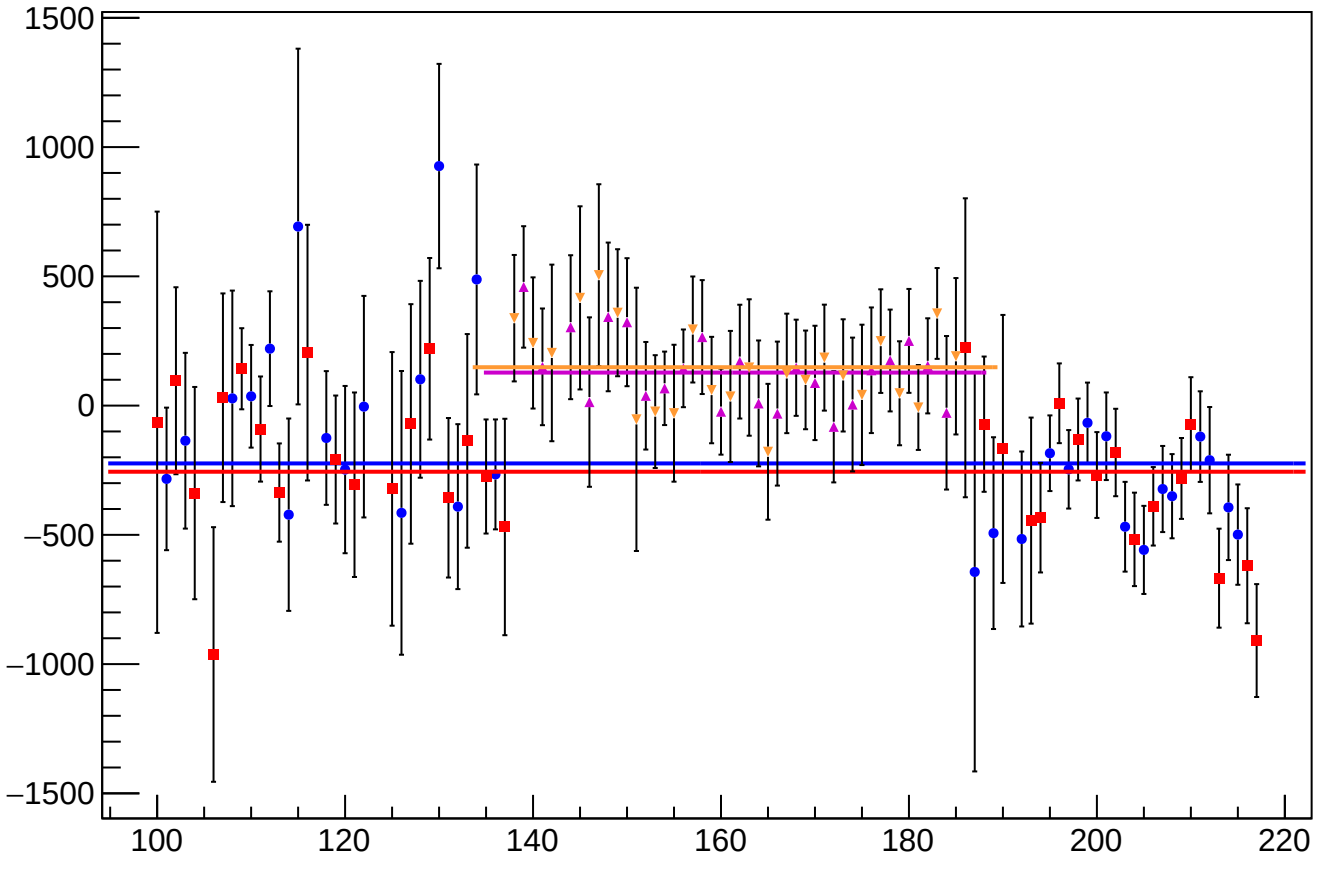
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.309+/-0.001 χ^2/NDF: 576537.6/66

In: 10.437+/-0.001 χ^2/NDF:417862.3/53

Out: 10.487+/-0.001 χ^2/NDF:498393.6/60

All: 10.463+/-0.001 χ^2/NDF: 917113.7/114



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: -255.818+/-40.111 χ^2/NDF: 40.4/33

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

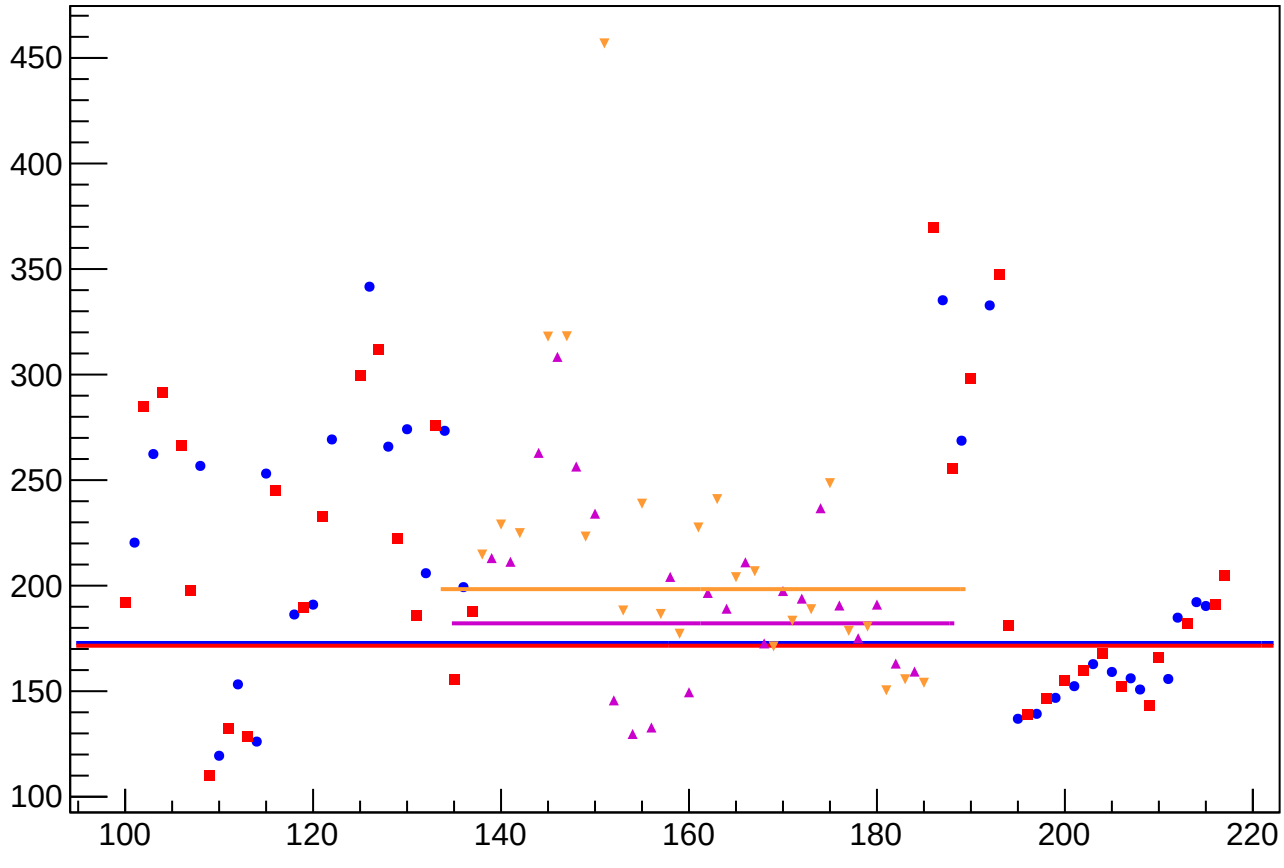
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -240.047+/-28.633 χ^2/NDF: 74.5/64

In: -62.529+/-30.085 χ^2/NDF:75.5/53

Out: -88.451+/-30.705 χ^2/NDF:92.3/57

All: -75.225+/-21.489 χ^2/NDF: 168.2/111



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: 171.544+/-0.028 χ^2/NDF: 2830207.2/33

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

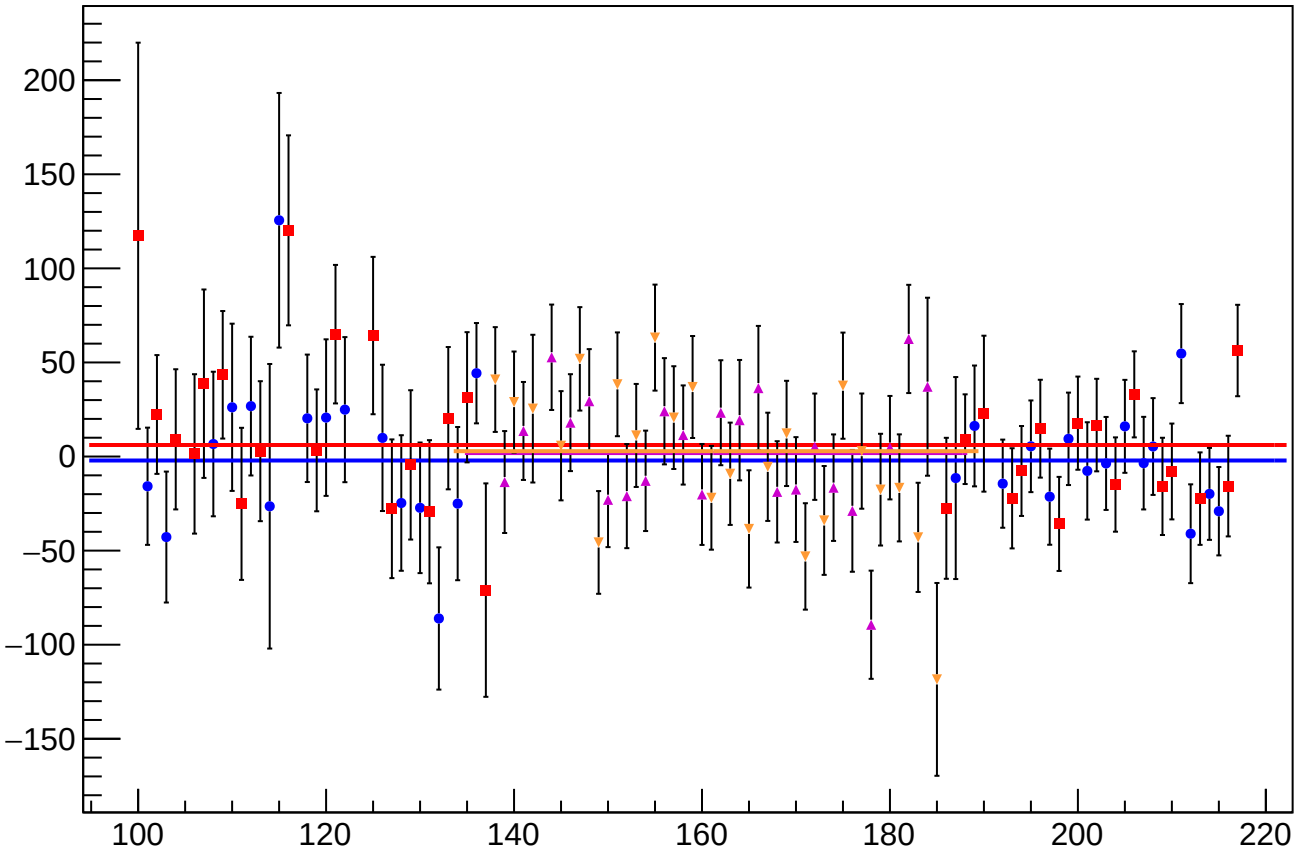
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 172.180+/-0.020 χ^2/NDF: 5145371.5/64

In: 177.110+/-0.021 χ^2/NDF:3946044.2/53

Out: 182.643+/-0.022 χ^2/NDF:4897108.4/57

All: 179.820+/-0.015 χ^2/NDF: 8876282.1/111



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: 6.128+/-5.313 χ^2/NDF: 32.8/33

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

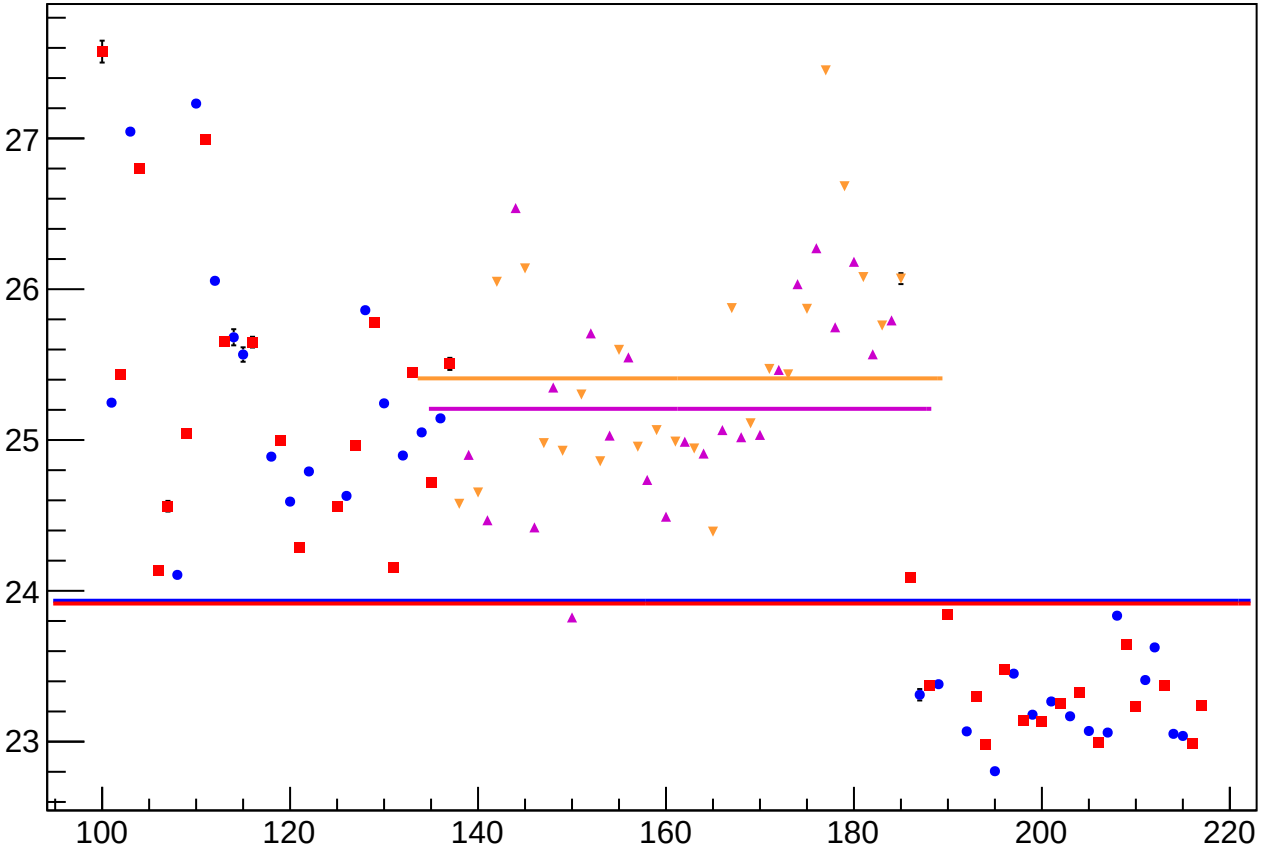
Right: 2.118+/-3.806 χ^2/NDF: 61.7/64

In: -0.282+/-4.003 χ^2/NDF:56.0/53

Out: 4.662+/-3.950 χ^2/NDF:69.9/57

All: 2.223+/-2.812 χ^2/NDF: 126.7/111

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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: 23.916+/-0.004 χ^2/NDF: 77116.7/33

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

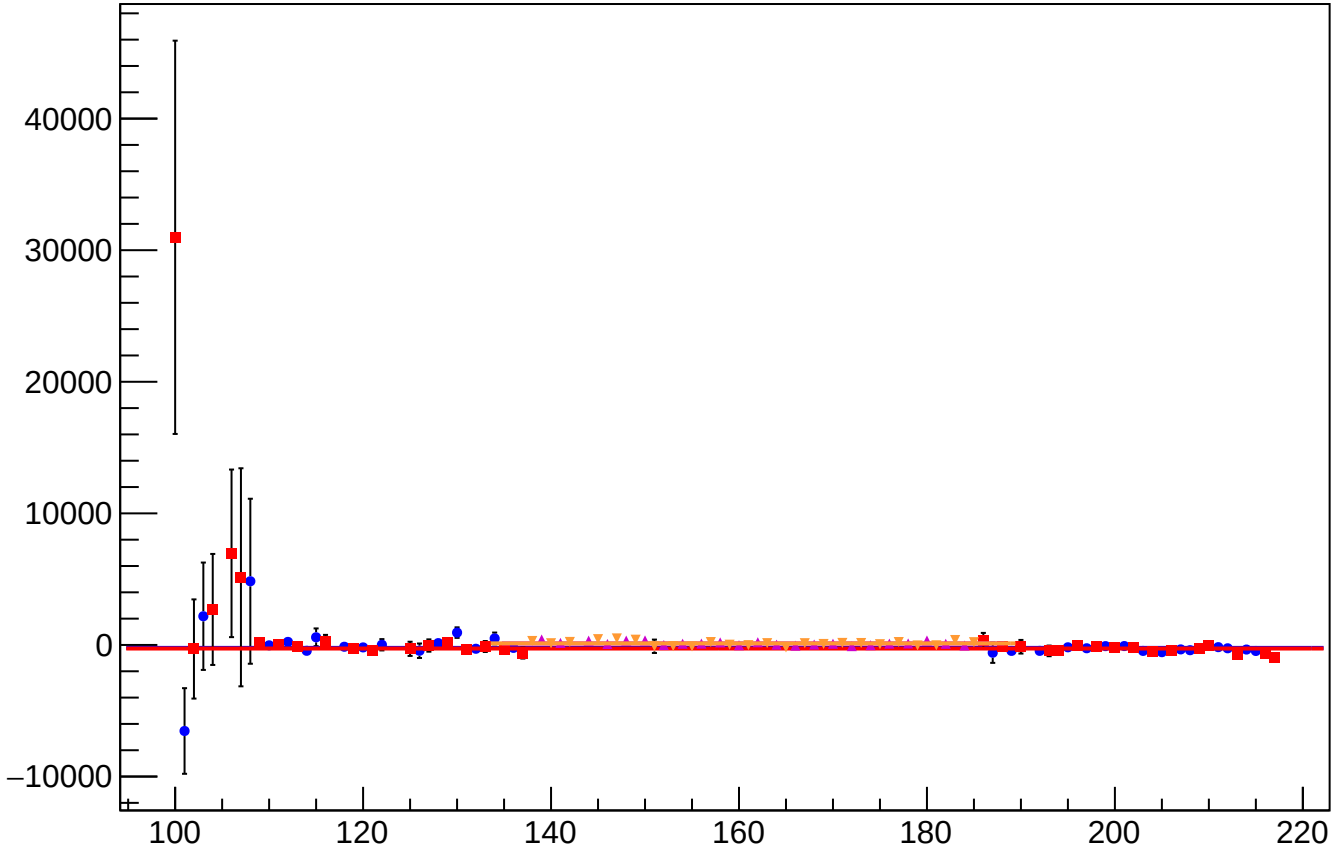
Right: 23.925+/-0.003 χ^2/NDF: 161148.6/64

In: 24.522+/-0.003 χ^2/NDF:160071.5/53

Out: 24.584+/-0.003 χ^2/NDF:174640.3/57

All: 24.553+/-0.002 χ^2/NDF: 334956.7/111

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: -271.064+/-42.071 χ^2/NDF: 46.4/33

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

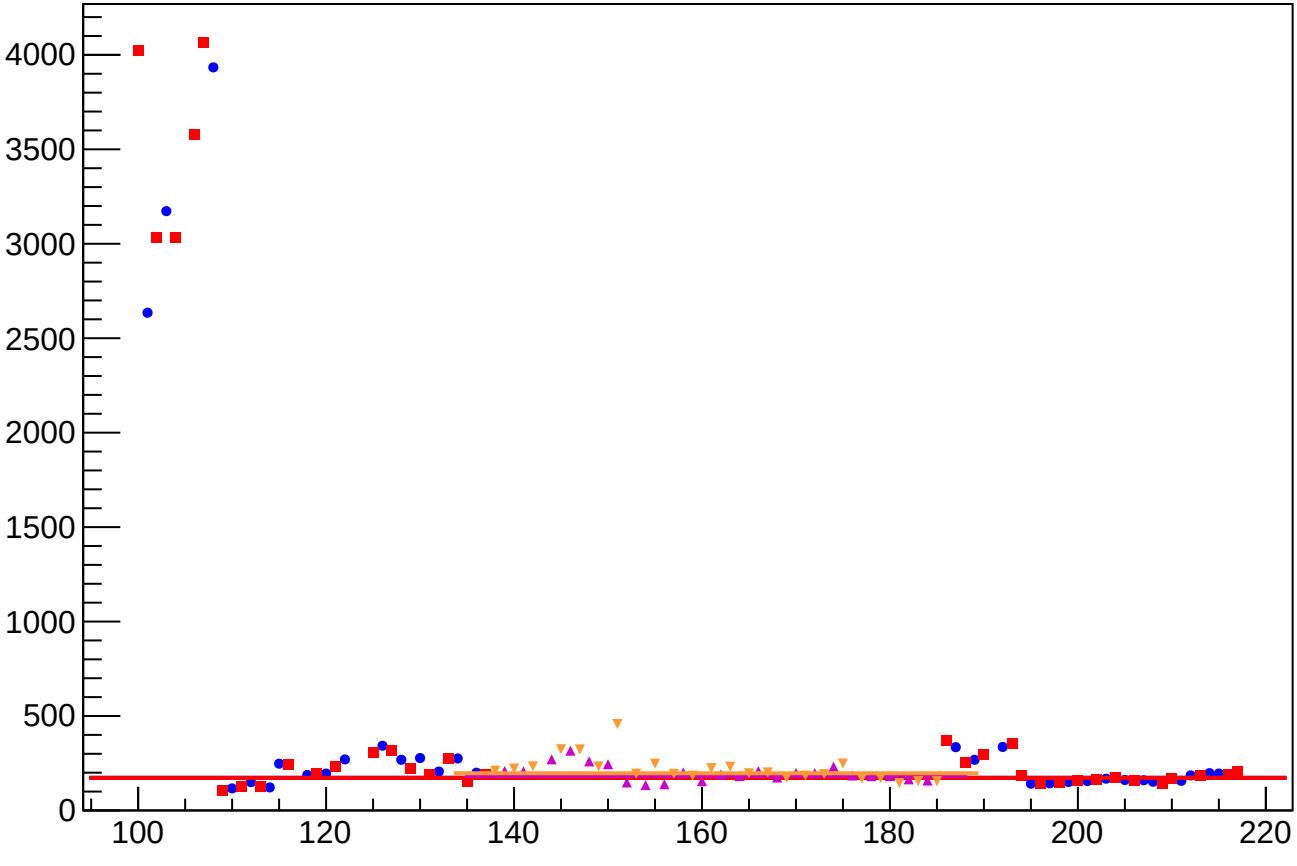
Right: -247.379+/-29.886 χ^2/NDF: 82.7/64

In: -62.535+/-30.814 χ^2/NDF:74.3/53

Out: -98.806+/-31.477 χ^2/NDF:96.4/57

All: -80.285+/-22.019 χ^2/NDF: 171.4/111

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 172.973+/-0.030 χ^2/NDF: 4950508.2/30

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 172.519+/-0.030 χ^2/NDF: 5495262.9/33

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

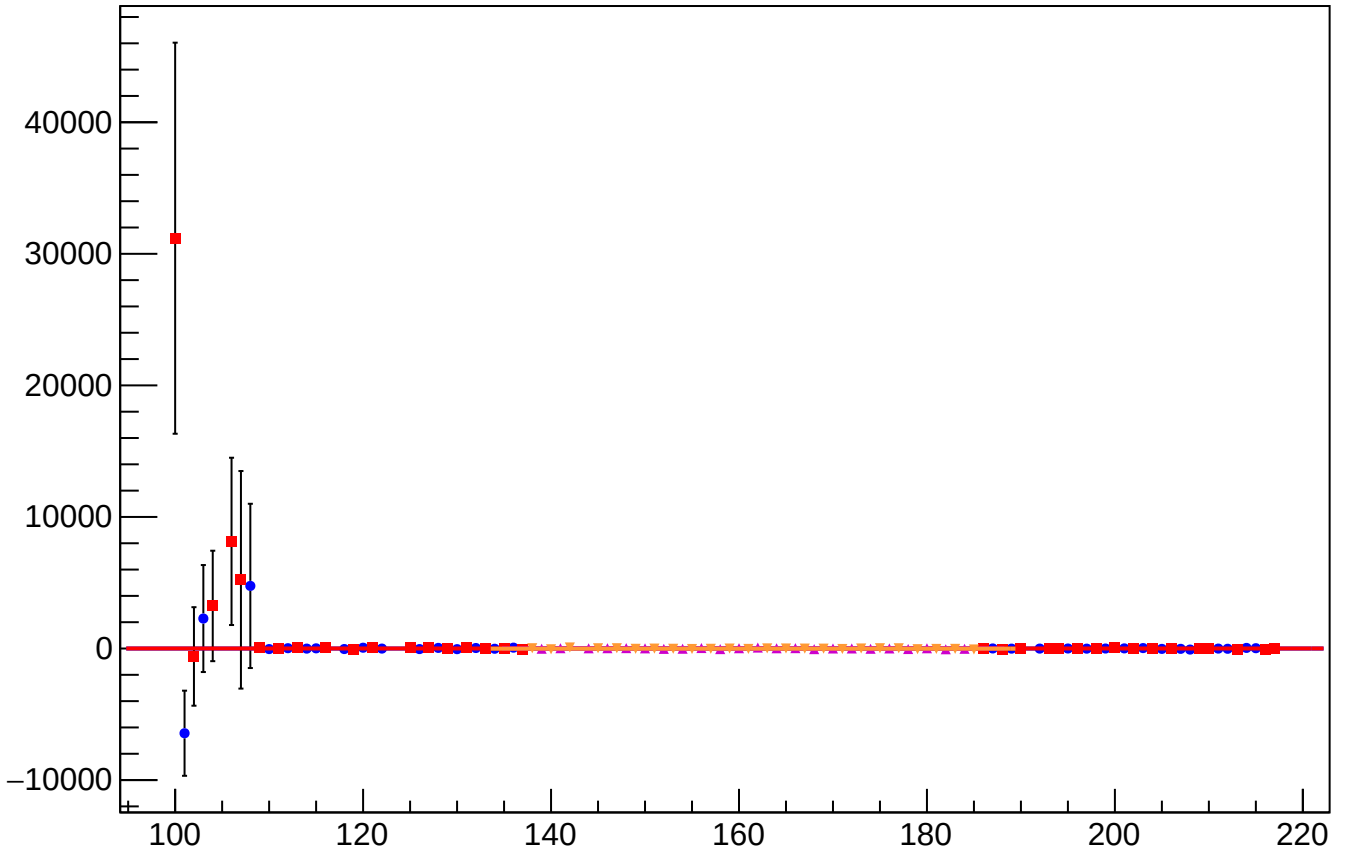
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 172.744+/-0.021 χ^2/NDF: 10445886.3/64

In: 178.217+/-0.022 χ^2/NDF:6460377.4/53

Out: 183.268+/-0.022 χ^2/NDF:7601077.2/57

All: 180.689+/-0.016 χ^2/NDF: 14087751.1/11



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: 2.782+/-6.381 χ^2/NDF: 40.9/33

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

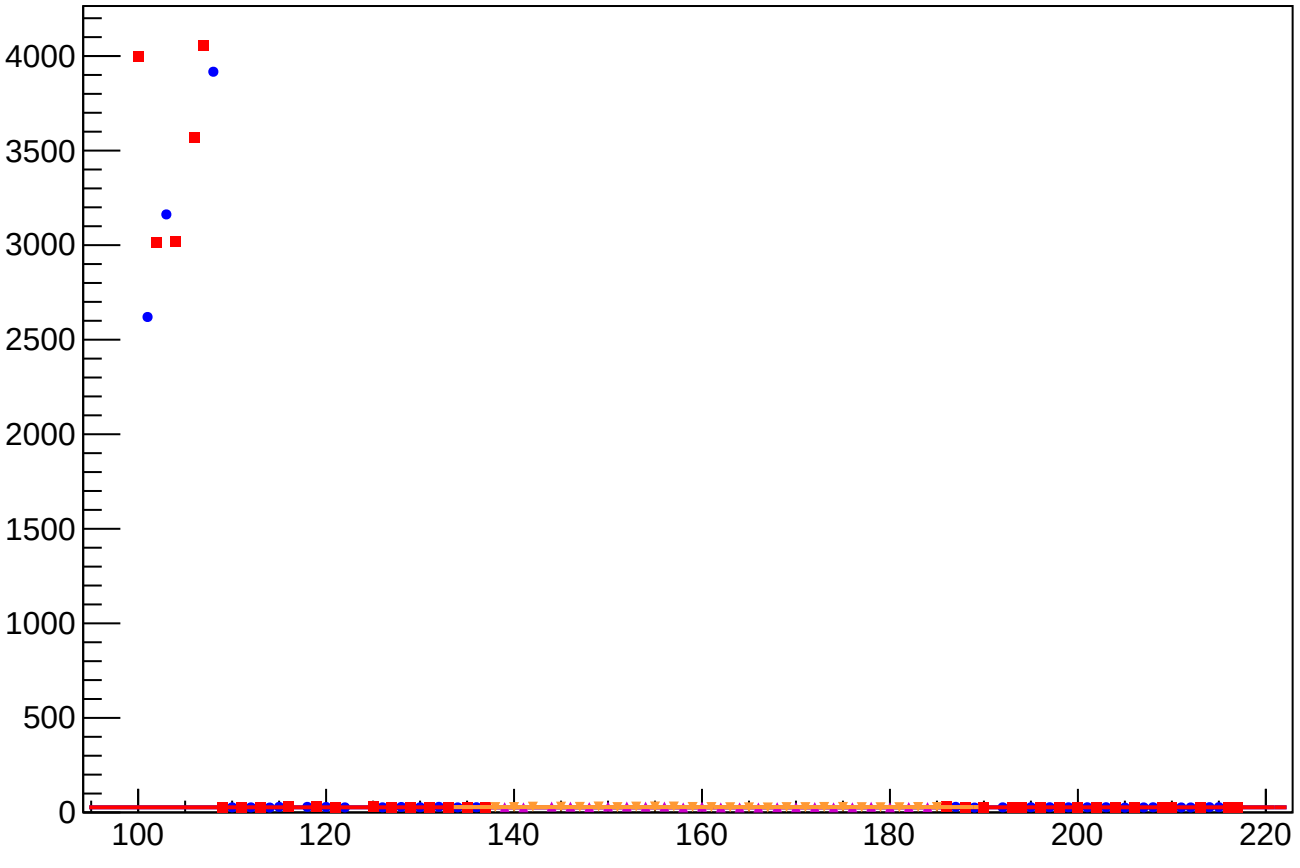
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 0.584+/-4.553 χ^2/NDF: 74.0/64

In: 0.365+/-4.675 χ^2/NDF:55.3/53

Out: -3.875+/-4.605 χ^2/NDF:60.7/57

All: -1.787+/-3.281 χ^2/NDF: 116.4/111



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: 27.195+/-0.005 χ^2/NDF: 3602459.1/33

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

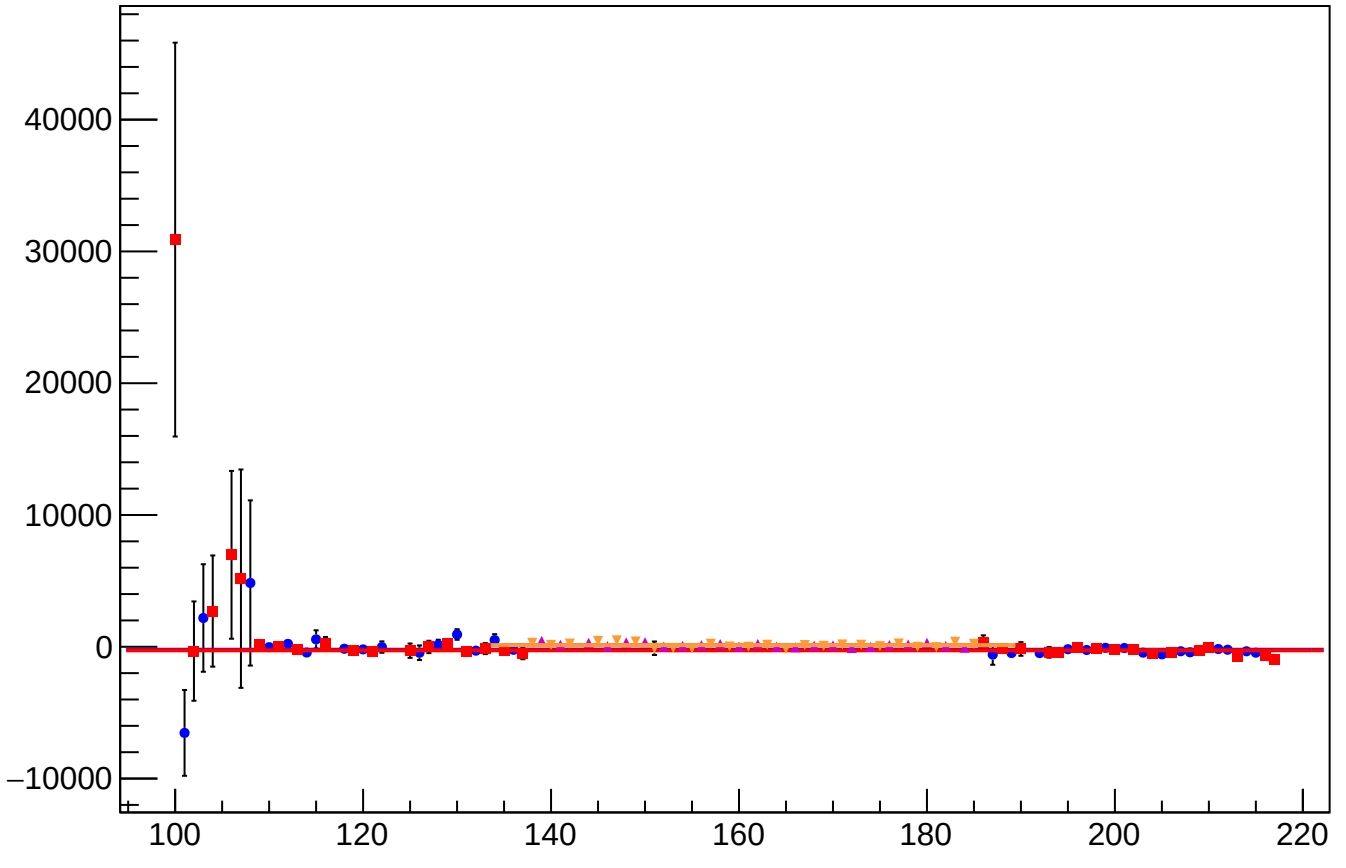
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.235+/-0.003 χ^2/NDF: 6892510.1/64

In: 27.976+/-0.003 χ^2/NDF:3465452.1/53

Out: 27.865+/-0.003 χ^2/NDF:3729373.9/57

All: 27.919+/-0.002 χ^2/NDF: 7195399.4/111



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: -268.514+/-42.237 χ^2/NDF: 44.8/33

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

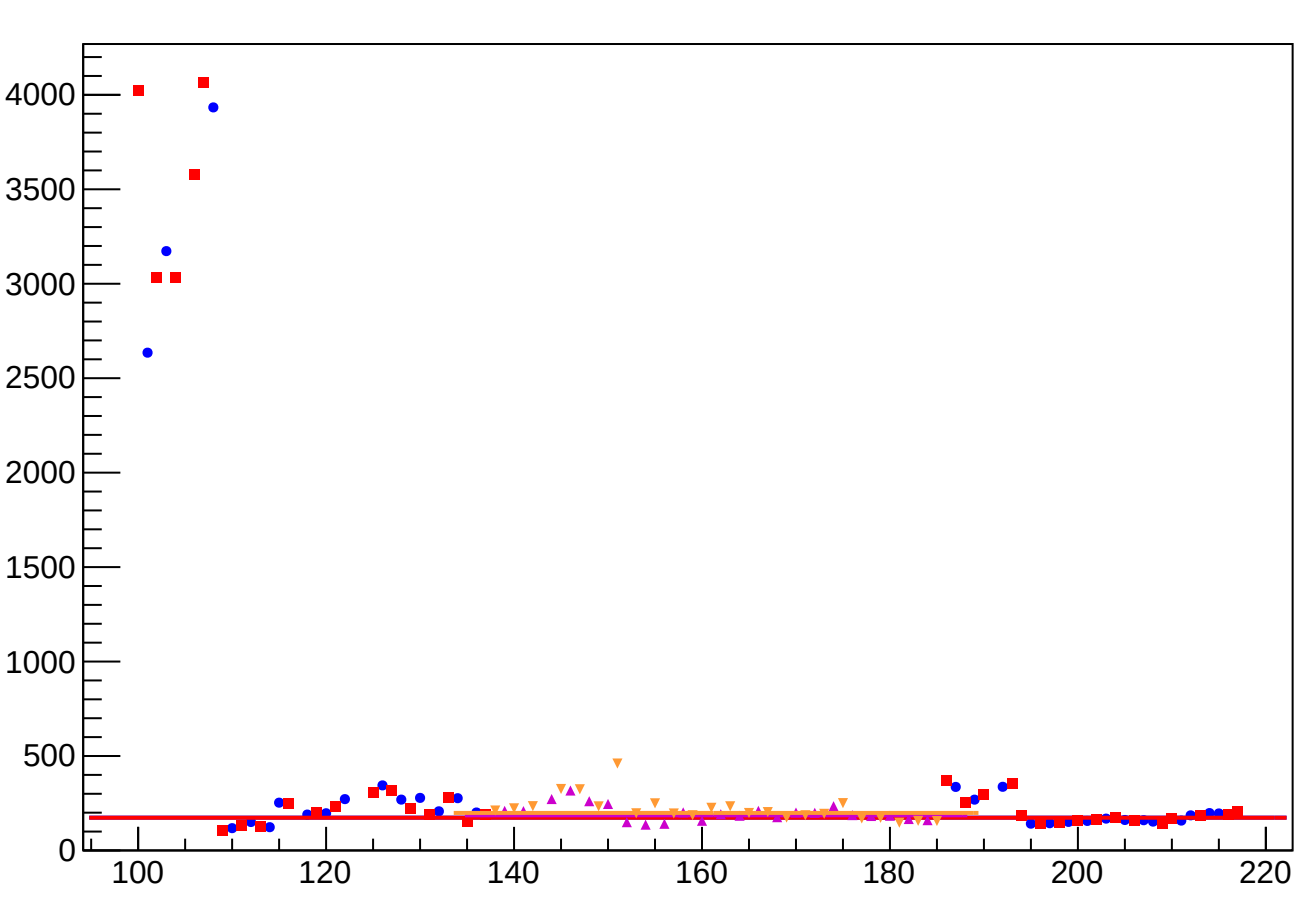
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -248.138+/-30.008 χ^2/NDF: 81.0/64

In: -62.469+/-31.016 χ^2/NDF:75.5/53

Out: -95.591+/-31.666 χ^2/NDF:94.7/57

All: -78.686+/-22.158 χ^2/NDF: 170.7/111



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: 173.241+/-0.030 χ^2/NDF: 5482088.9/33

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

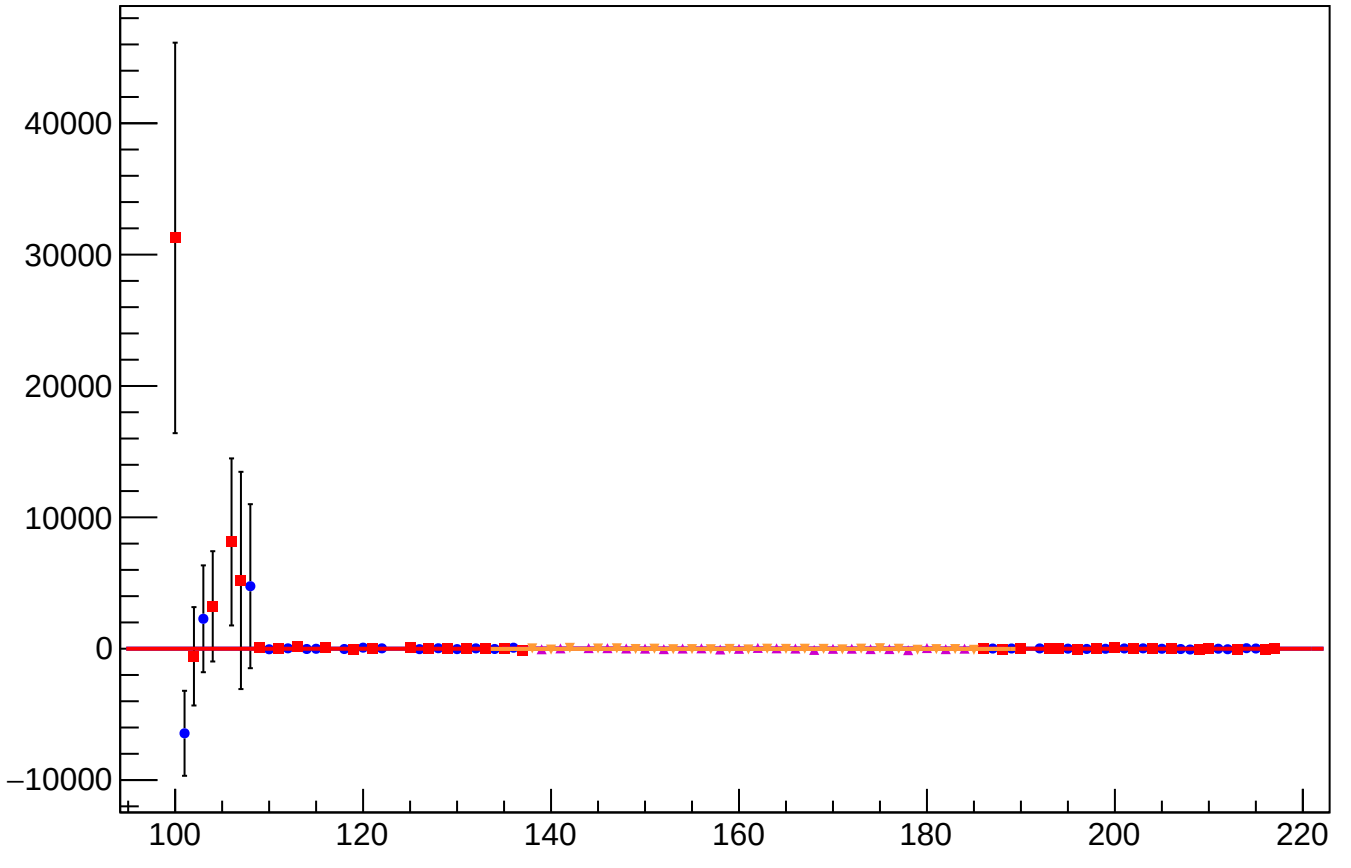
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 173.475+/-0.021 χ^2/NDF: 10426783.8/64

In: 179.438+/-0.022 χ^2/NDF:6426669.2/53

Out: 184.405+/-0.022 χ^2/NDF:7587611.7/57

All: 181.870+/-0.016 χ^2/NDF: 14039394.5/1



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: -2.059+/-7.042 χ^2/NDF: 44.9/33

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

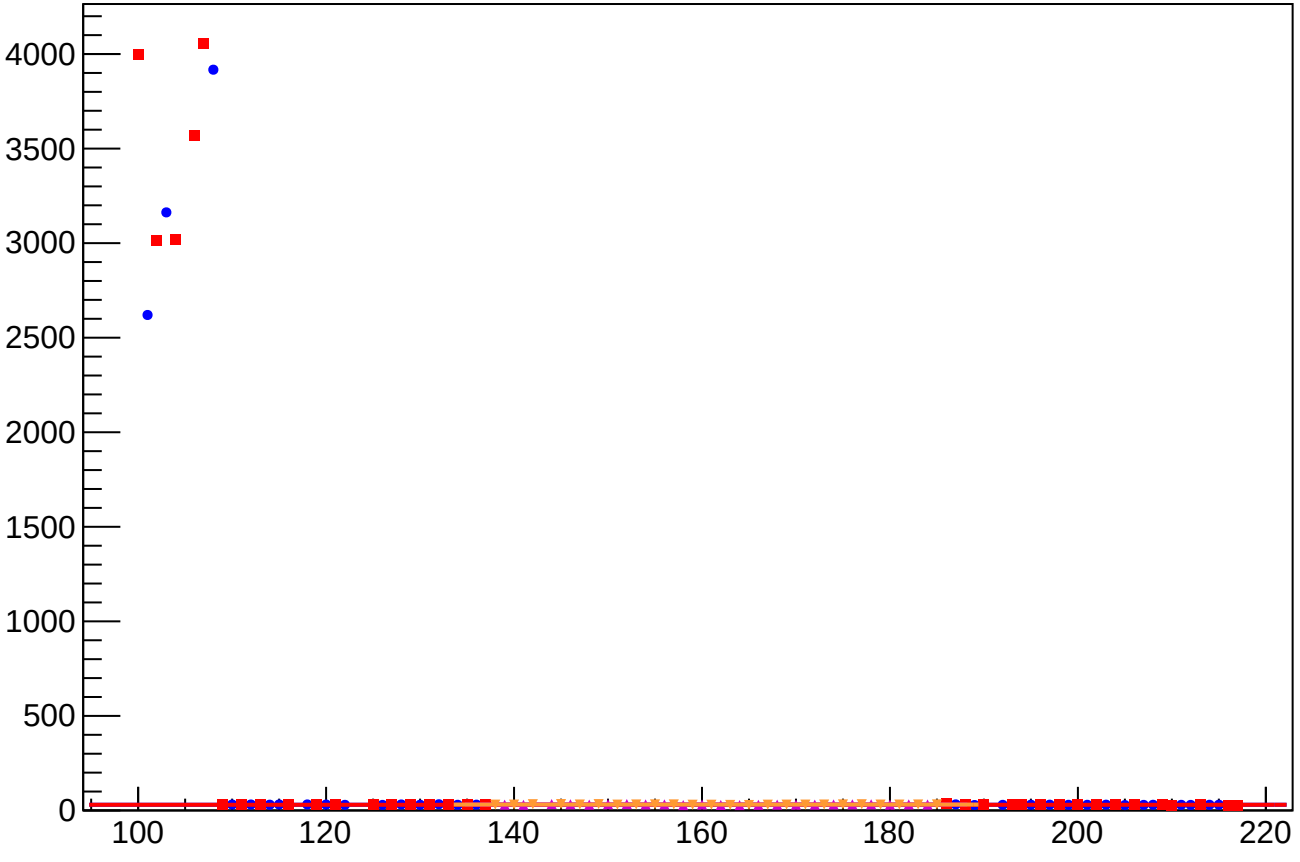
Right: 0.640+/-5.024 χ^2/NDF: 71.0/64

In: 0.440+/-5.132 χ^2/NDF:61.7/53

Out: -9.878+/-5.055 χ^2/NDF:67.8/57

All: -4.797+/-3.601 χ^2/NDF: 131.5/111

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



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: 30.029+/-0.005 χ^2/NDF: 3577419.9/33

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

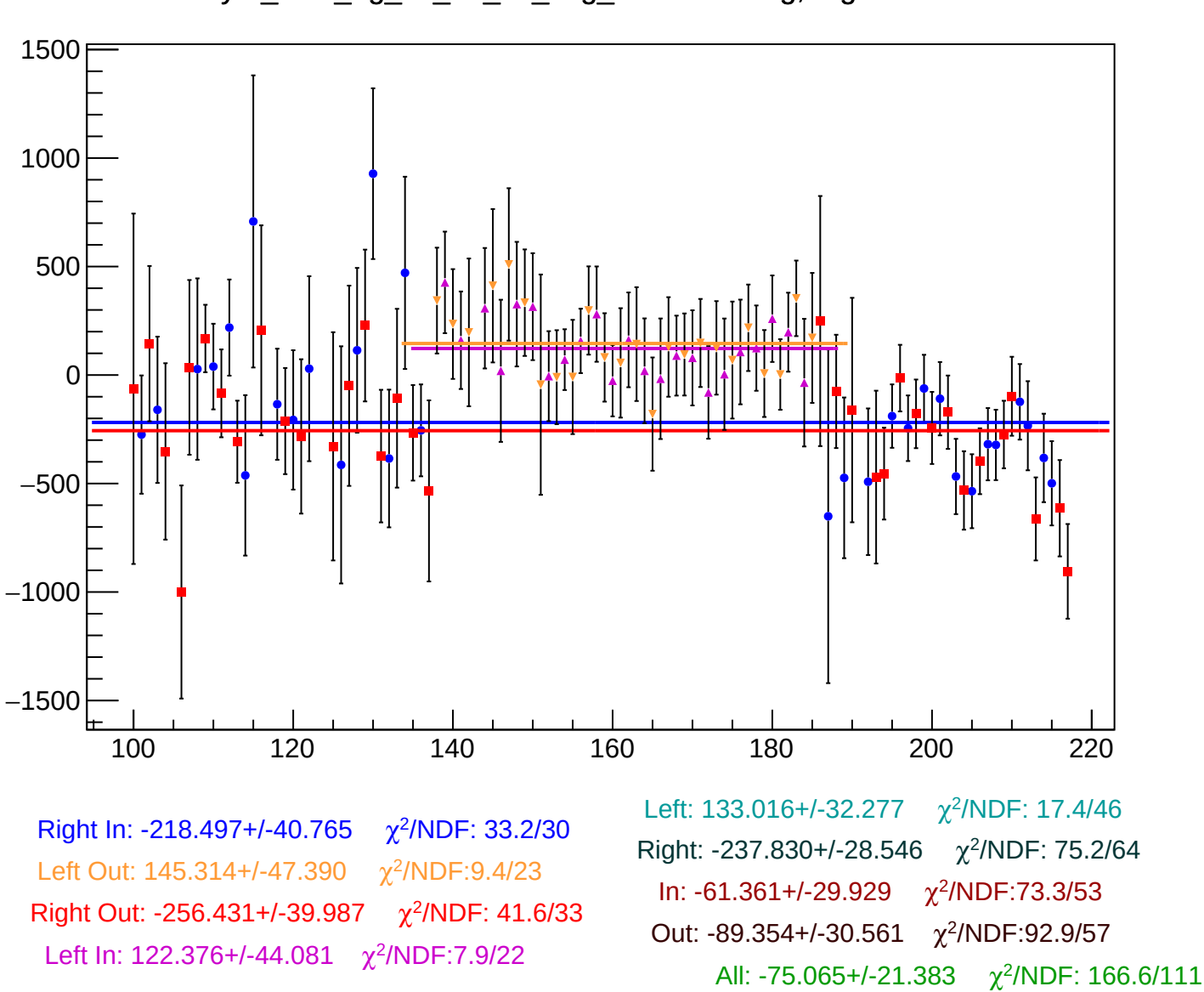
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.068+/-0.004 χ^2/NDF: 6853076.4/64

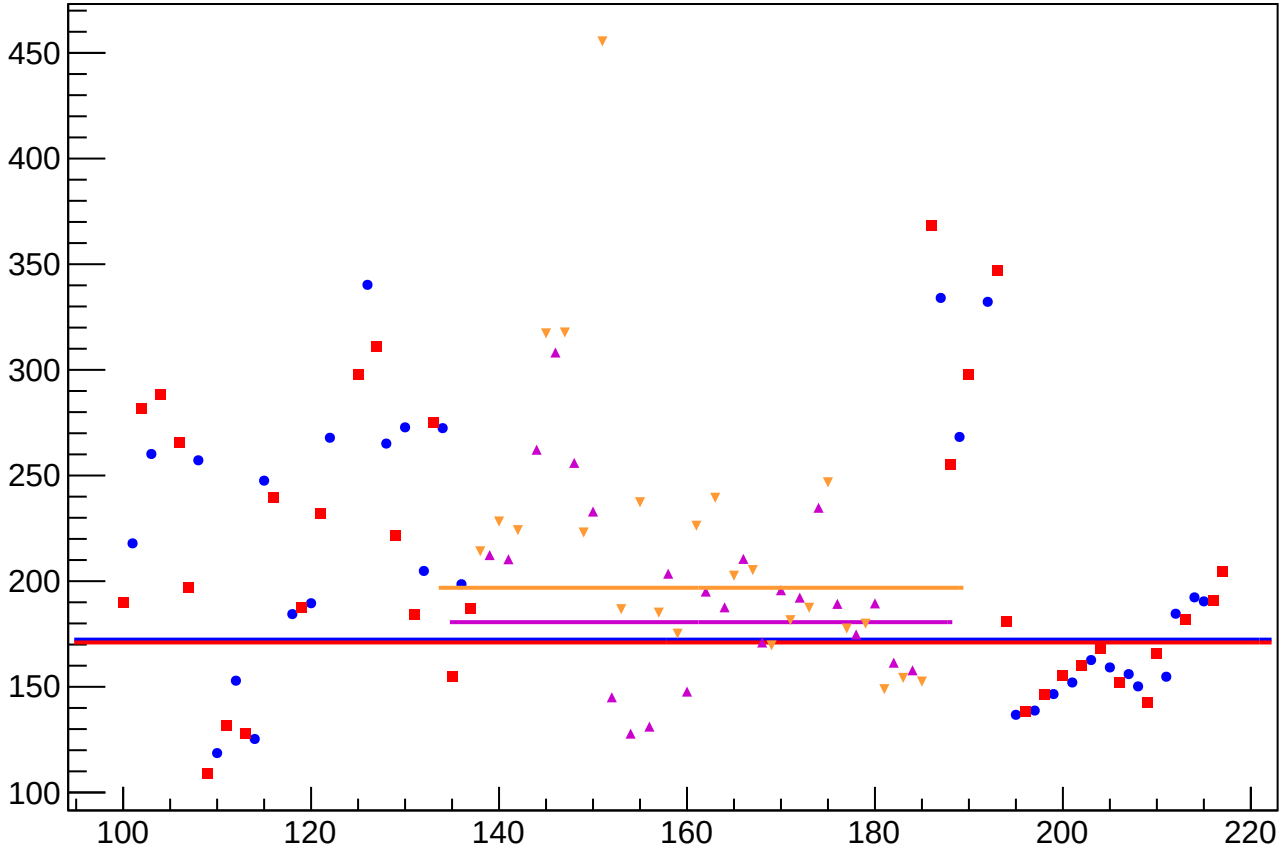
In: 30.729+/-0.004 χ^2/NDF:3391387.8/53

Out: 30.607+/-0.004 χ^2/NDF:3652635.4/57

All: 30.667+/-0.003 χ^2/NDF: 7044591.5/111


asym_bcm_dg_us_an_us_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -218.497+/-40.765 χ²/NDF: 33.2/30
Left Out: 145.314+/-47.390 χ²/NDF:9.4/23
Right Out: -256.431+/-39.987 χ²/NDF: 41.6/33
Left In: 122.376+/-44.081 χ²/NDF:7.9/22
Left: 133.016+/-32.277 χ²/NDF: 17.4/46
Right: -237.830+/-28.546 χ²/NDF: 75.2/64
In: -61.361+/-29.929 χ²/NDF:73.3/53
Out: -89.354+/-30.561 χ²/NDF:92.9/57
All: -75.065+/-21.383 χ²/NDF: 166.6/111

asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected



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: 170.991+/-0.028 χ^2/NDF: 2829055.1/33

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

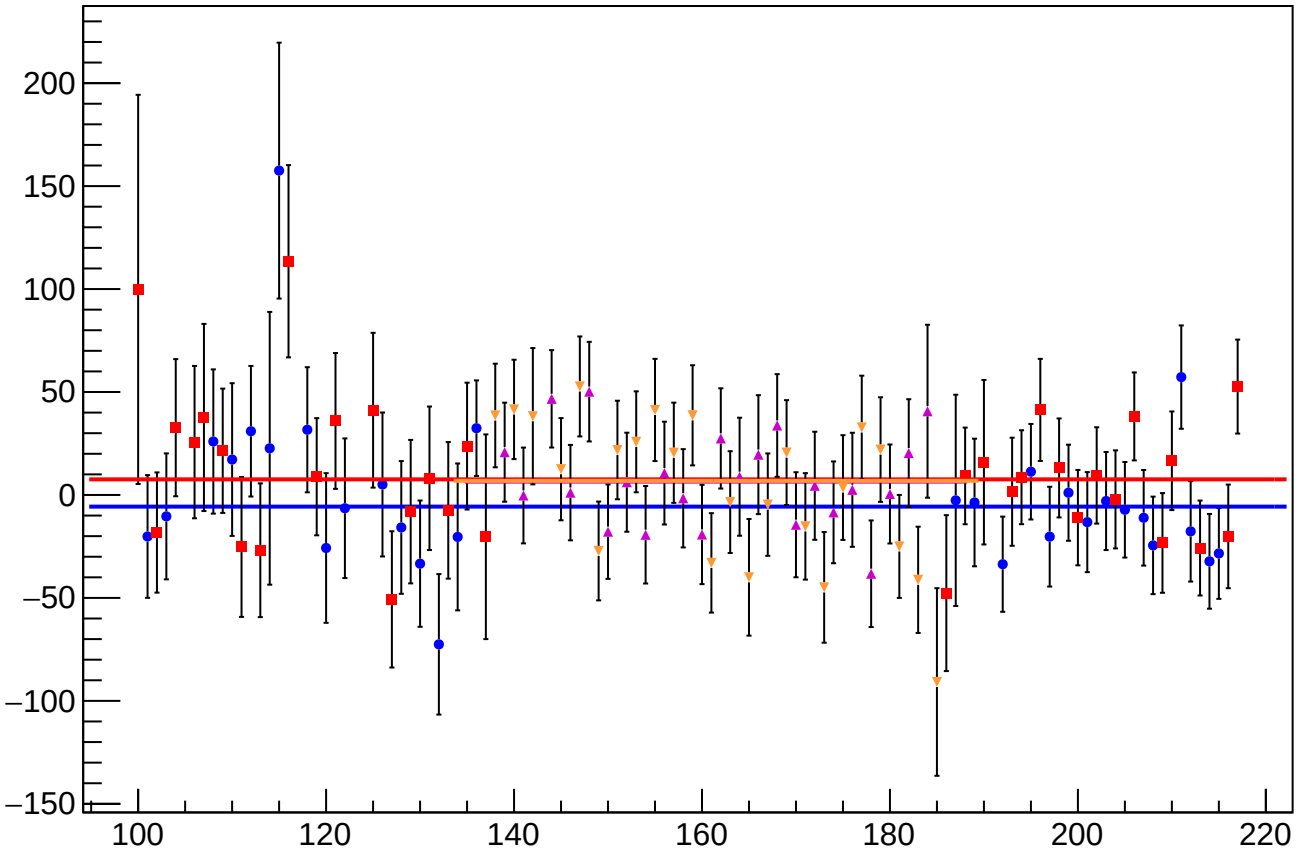
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 171.650+/-0.020 χ^2/NDF: 5137847.2/64

In: 176.146+/-0.021 χ^2/NDF:3973663.4/53

Out: 181.755+/-0.022 χ^2/NDF:4902615.7/57

All: 178.892+/-0.015 χ^2/NDF: 8910666.6/11



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: 7.582+/-4.944 χ^2/NDF: 32.0/33

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

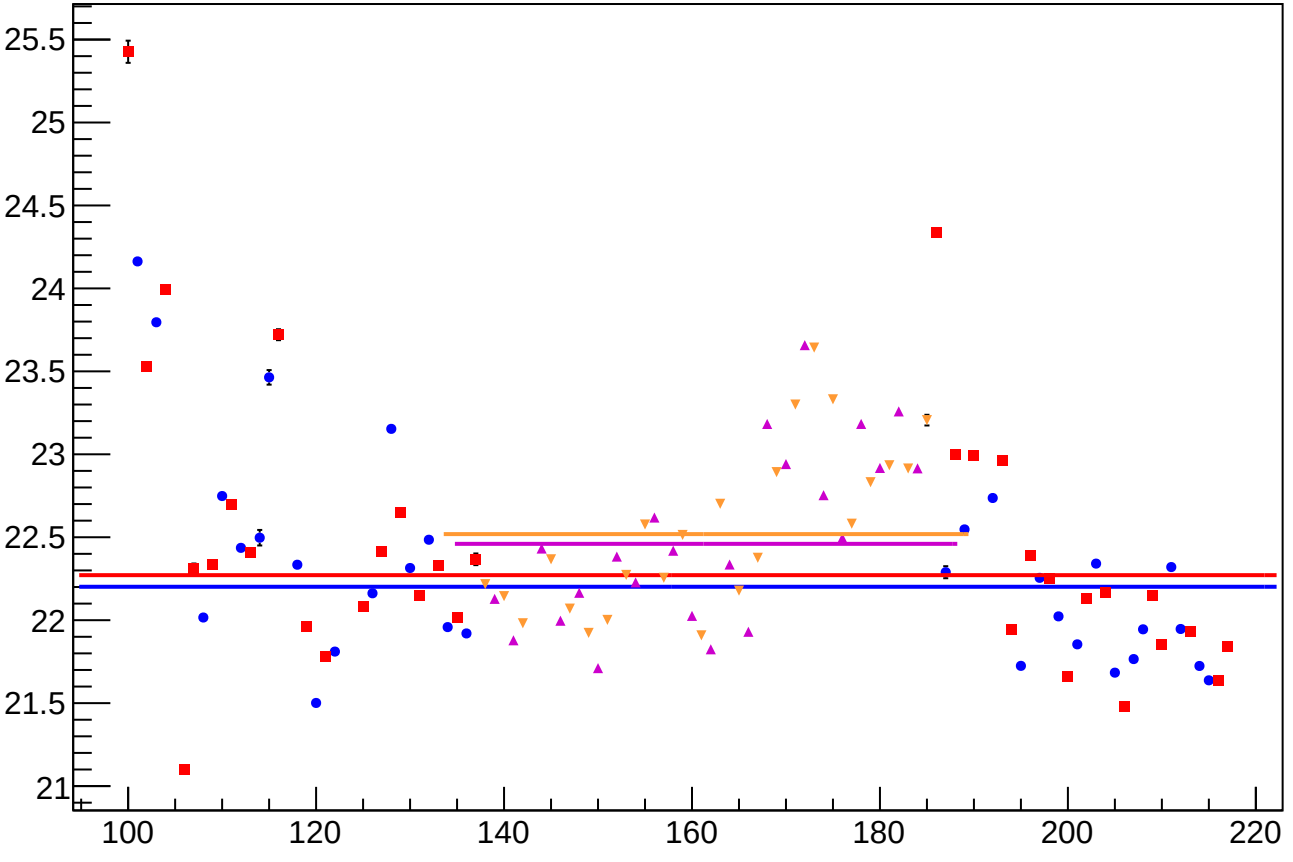
Right: 1.109+/-3.535 χ^2/NDF: 67.1/64

In: 0.186+/-3.640 χ^2/NDF:51.8/53

Out: 7.240+/-3.592 χ^2/NDF:68.9/57

All: 3.760+/-2.557 χ^2/NDF: 122.6/111

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: 22.272+/-0.003 χ^2/NDF: 34486.4/33

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

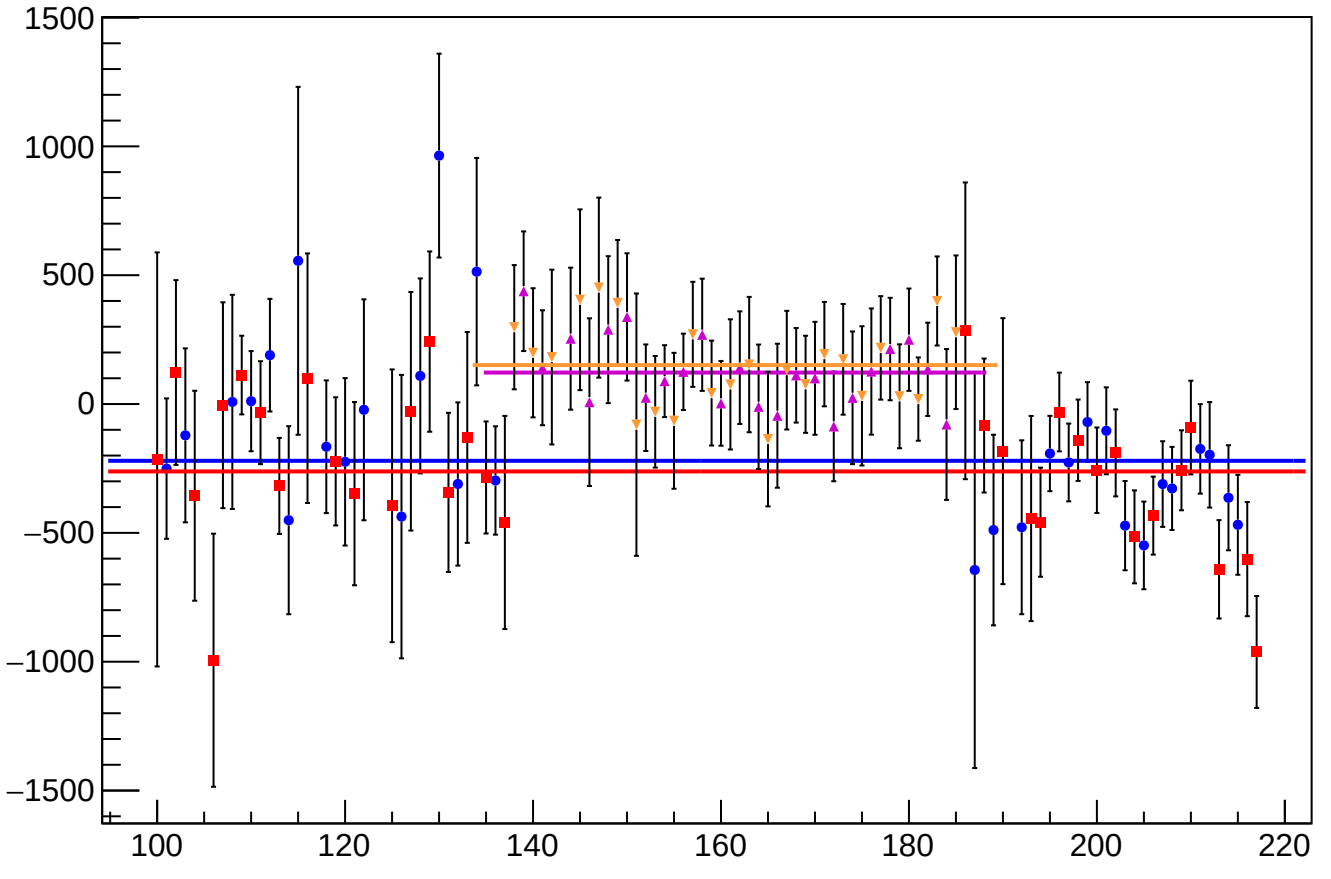
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.237+/-0.002 χ^2/NDF: 60732.5/64

In: 22.326+/-0.003 χ^2/NDF:47689.1/53

Out: 22.388+/-0.003 χ^2/NDF:52850.2/57

All: 22.358+/-0.002 χ^2/NDF: 100835.5/111



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: -261.551+/-39.825 χ^2/NDF: 41.1/33

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

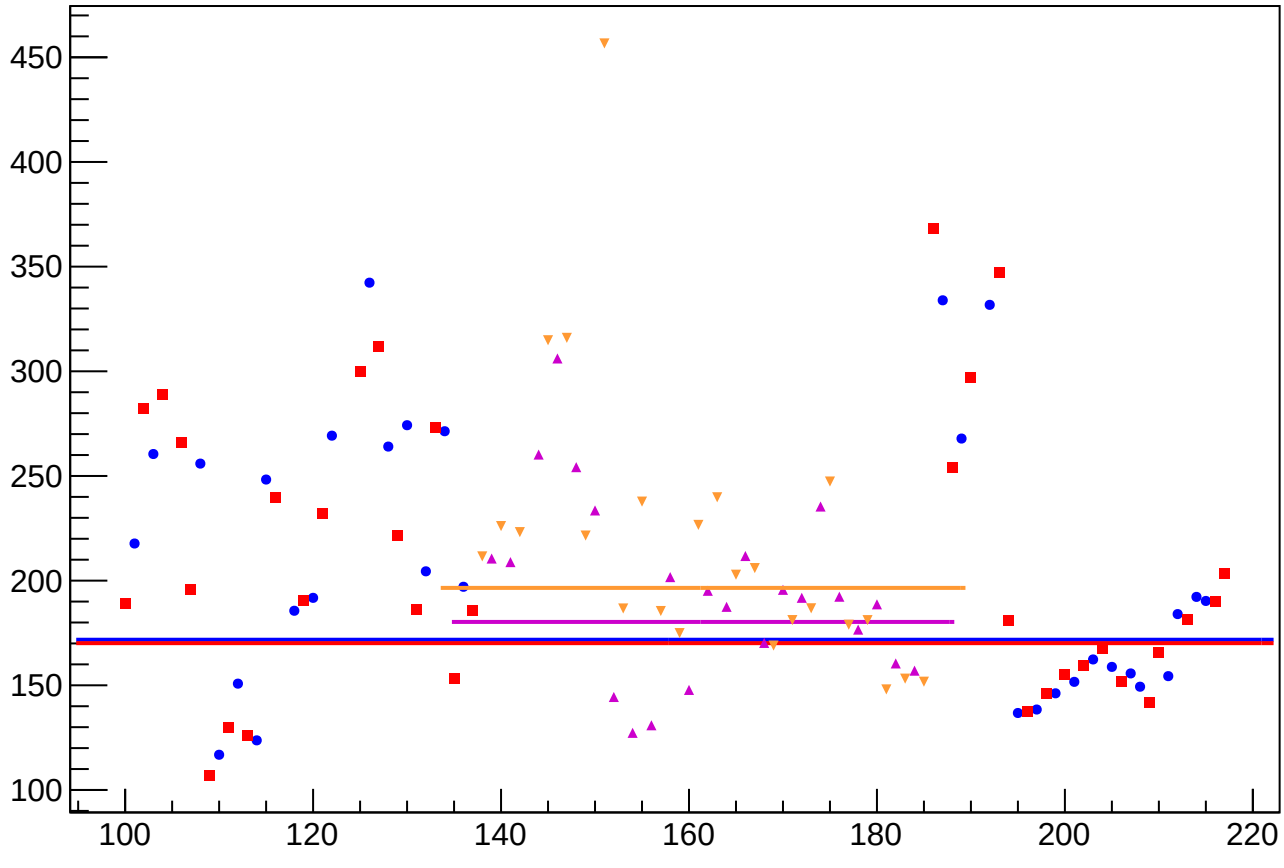
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -241.377+/-28.448 χ^2/NDF: 73.5/64

In: -62.653+/-29.860 χ^2/NDF:72.0/53

Out: -90.435+/-30.469 χ^2/NDF:95.6/57

All: -76.264+/-21.326 χ^2/NDF: 168.0/111



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: 170.132+/-0.028 χ^2/NDF: 2897374.3/33

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

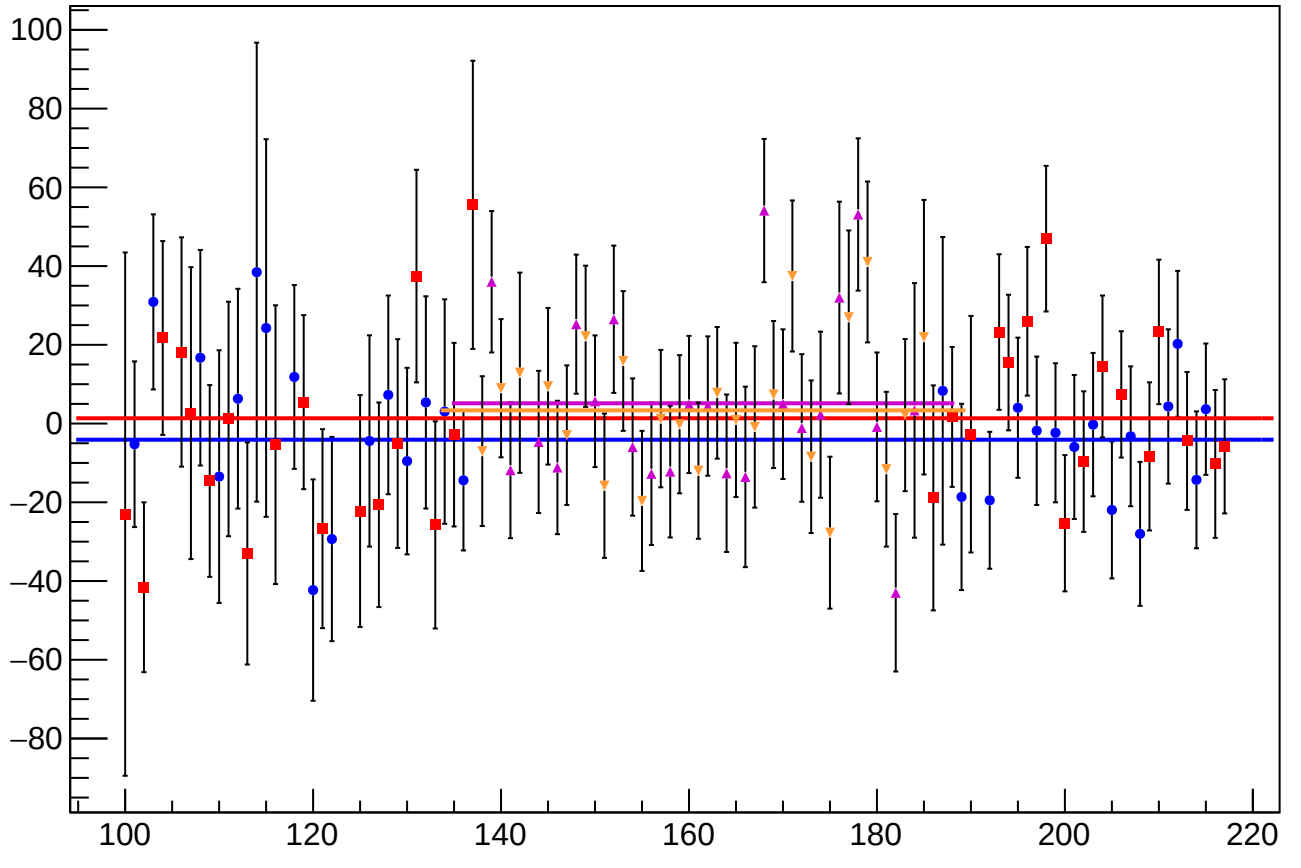
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 170.933+/-0.020 χ^2/NDF: 5238851.5/64

In: 175.684+/-0.021 χ^2/NDF:4004839.9/53

Out: 181.080+/-0.022 χ^2/NDF:4989730.9/57

All: 178.328+/-0.015 χ^2/NDF: 9026567.1/111



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: 1.347+/-3.785 χ^2/NDF: 30.8/33

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

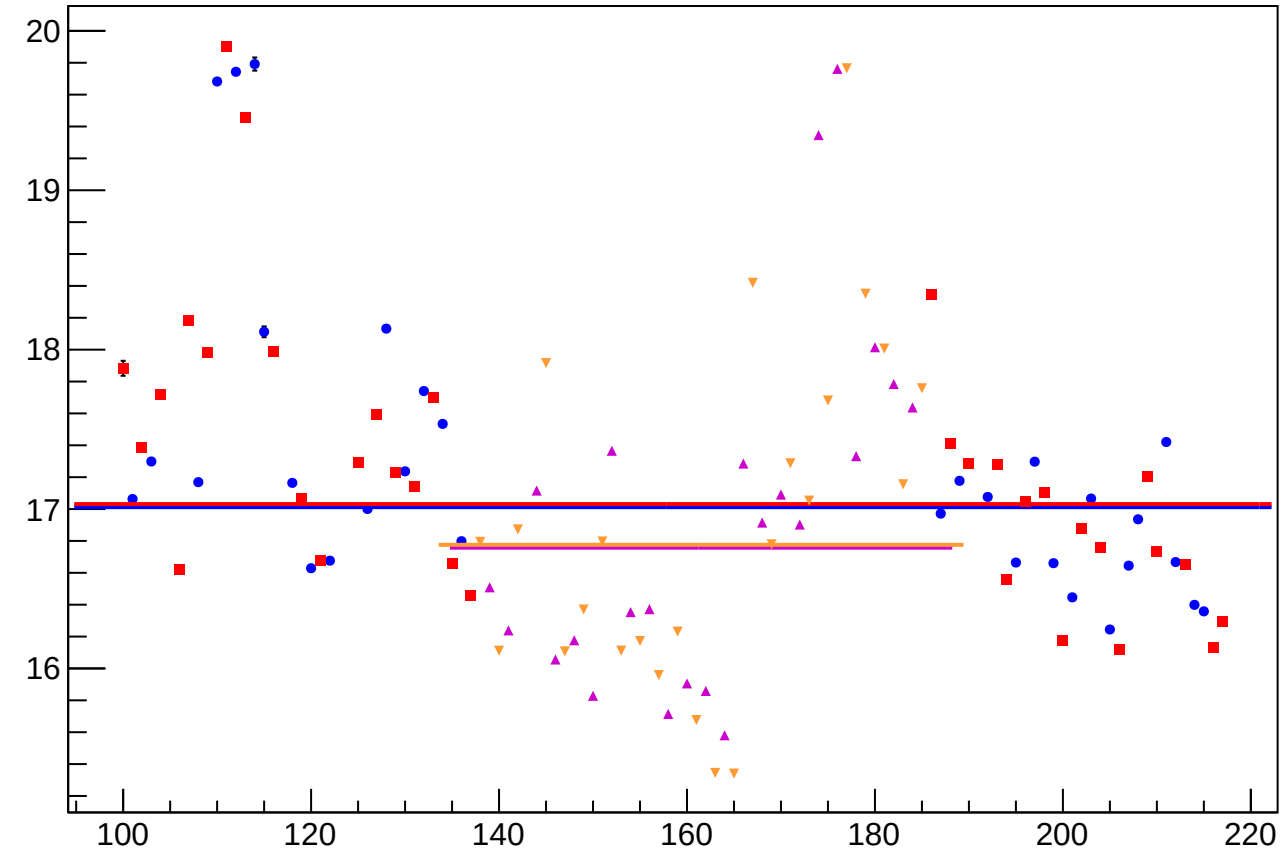
Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

Right: -1.311+/-2.709 χ^2/NDF: 46.8/64

In: 0.469+/-2.758 χ^2/NDF:50.1/53

Out: 2.322+/-2.718 χ^2/NDF:48.6/57

All: 1.409+/-1.936 χ^2/NDF: 98.9/111



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: 17.031+/-0.003 χ^2/NDF: 75620.7/33

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

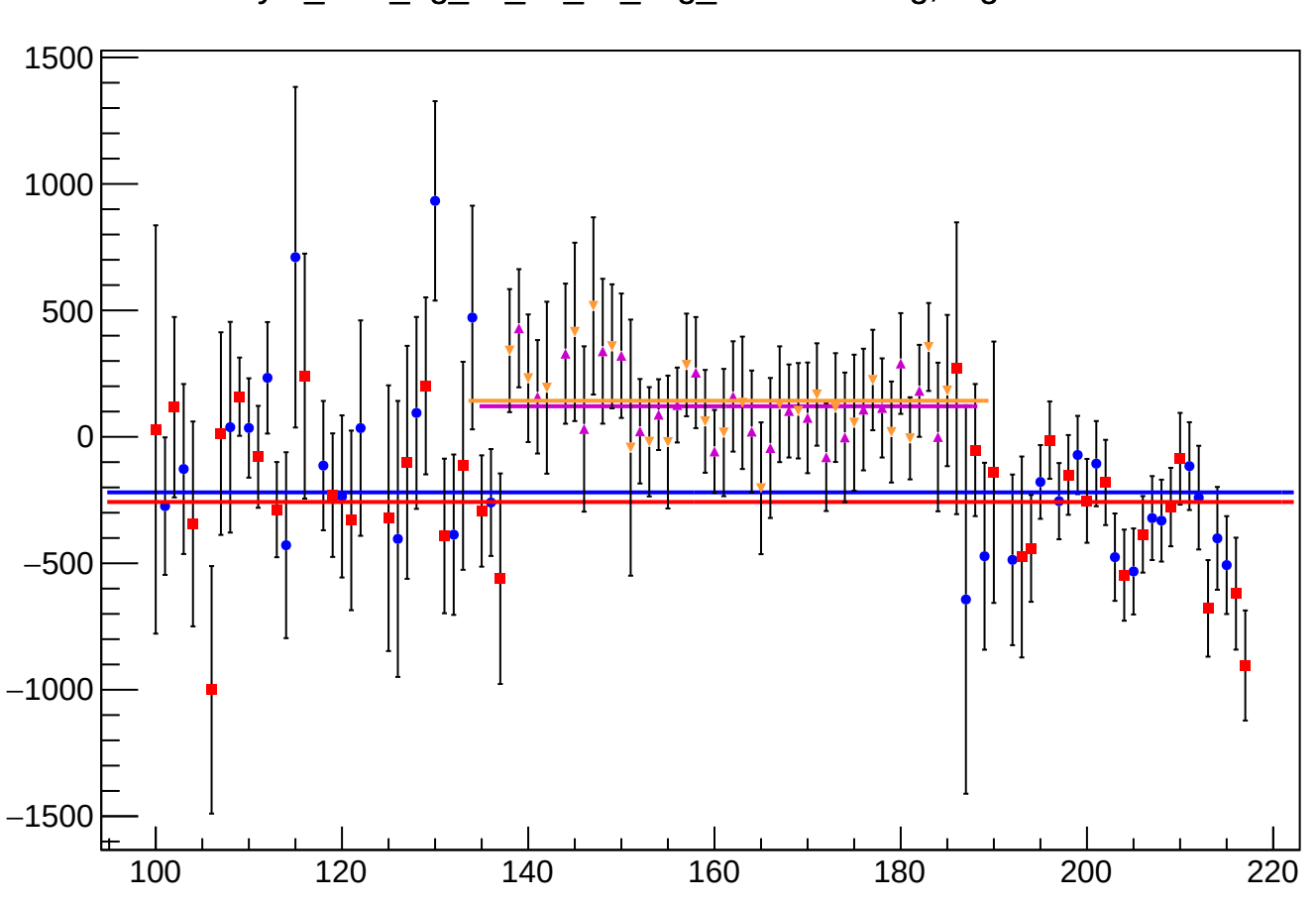
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.022+/-0.002 χ^2/NDF: 137954.7/64

In: 16.886+/-0.002 χ^2/NDF:189857.4/53

Out: 16.907+/-0.002 χ^2/NDF:216180.0/57

All: 16.897+/-0.001 χ^2/NDF: 406097.0/111



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: -257.537+/-39.868 χ^2/NDF: 42.3/33

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

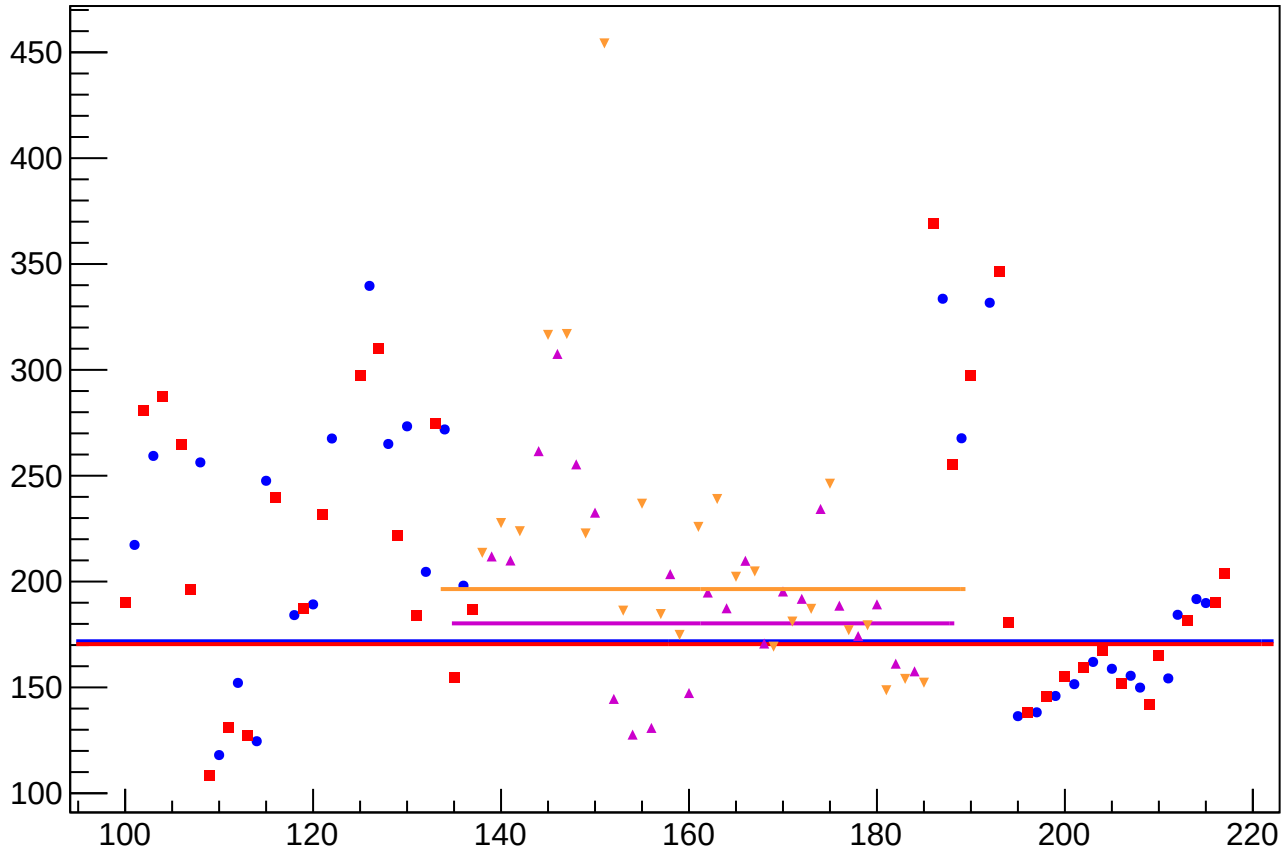
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -238.886+/-28.461 χ^2/NDF: 76.7/64

In: -62.765+/-29.853 χ^2/NDF:74.5/53

Out: -91.249+/-30.481 χ^2/NDF:94.3/57

All: -76.711+/-21.328 χ^2/NDF: 169.2/111



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: 170.441+/-0.028 χ^2/NDF: 2846674.4/33

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

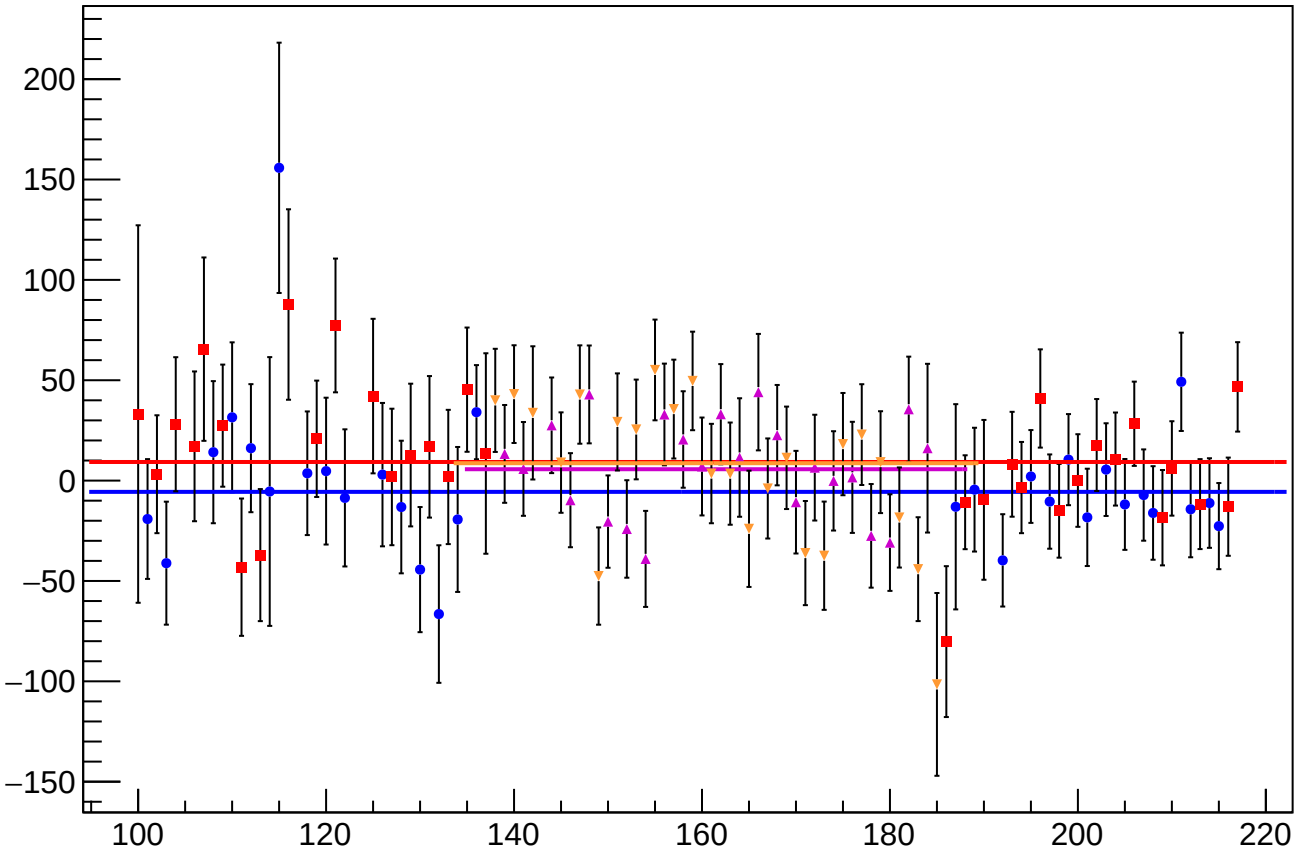
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 171.101+/-0.020 χ^2/NDF: 5168257.2/64

In: 175.683+/-0.021 χ^2/NDF:3988147.5/53

Out: 181.248+/-0.022 χ^2/NDF:4923910.2/57

All: 178.408+/-0.015 χ^2/NDF: 8946082.6/11



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: 9.276+/-4.910 χ^2/NDF: 32.7/33

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

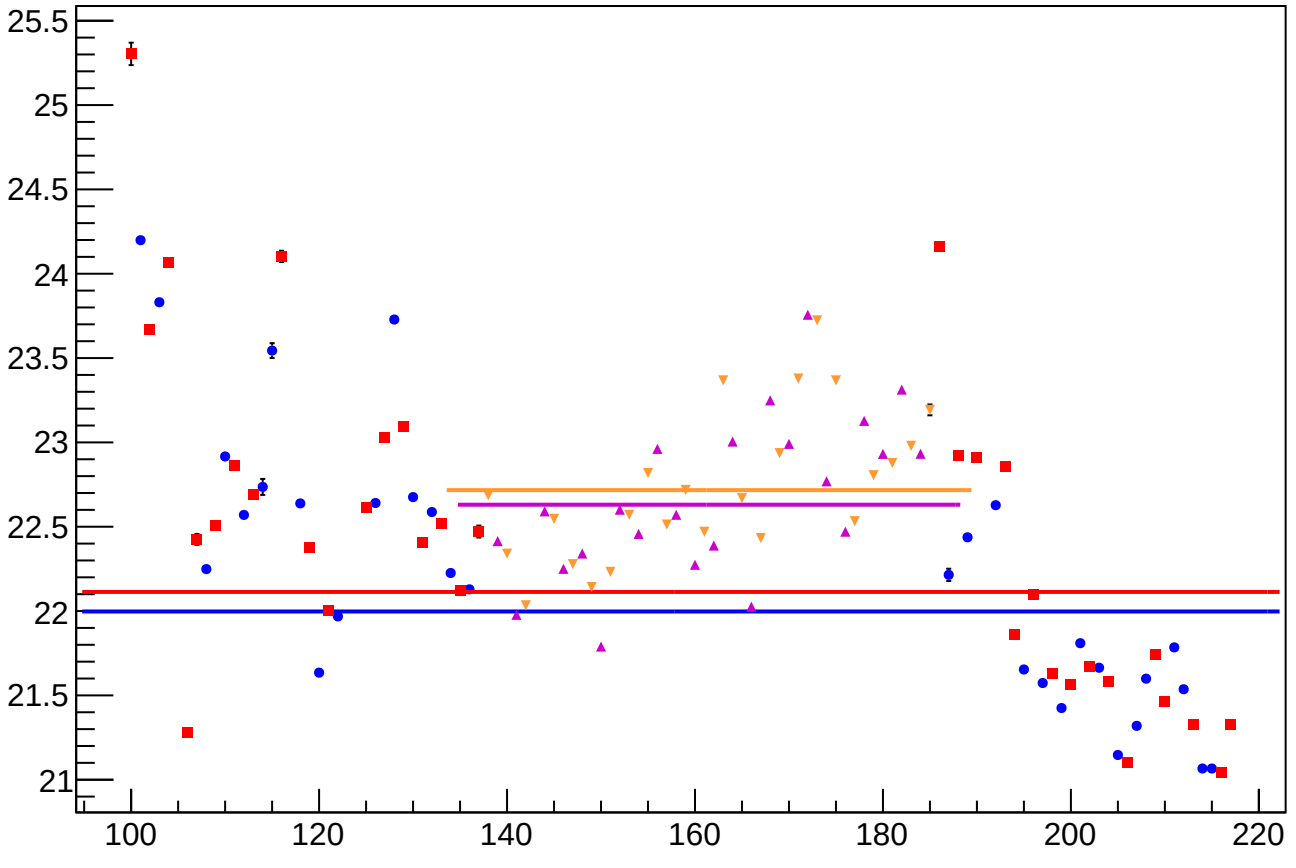
Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

Right: 1.984+/-3.507 χ^2/NDF: 64.7/64

In: -0.273+/-3.636 χ^2/NDF:50.7/53

Out: 8.992+/-3.594 χ^2/NDF:71.9/57

All: 4.414+/-2.556 χ^2/NDF: 125.9/111



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: 22.113+/-0.003 χ^2/NDF: 55570.3/33

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

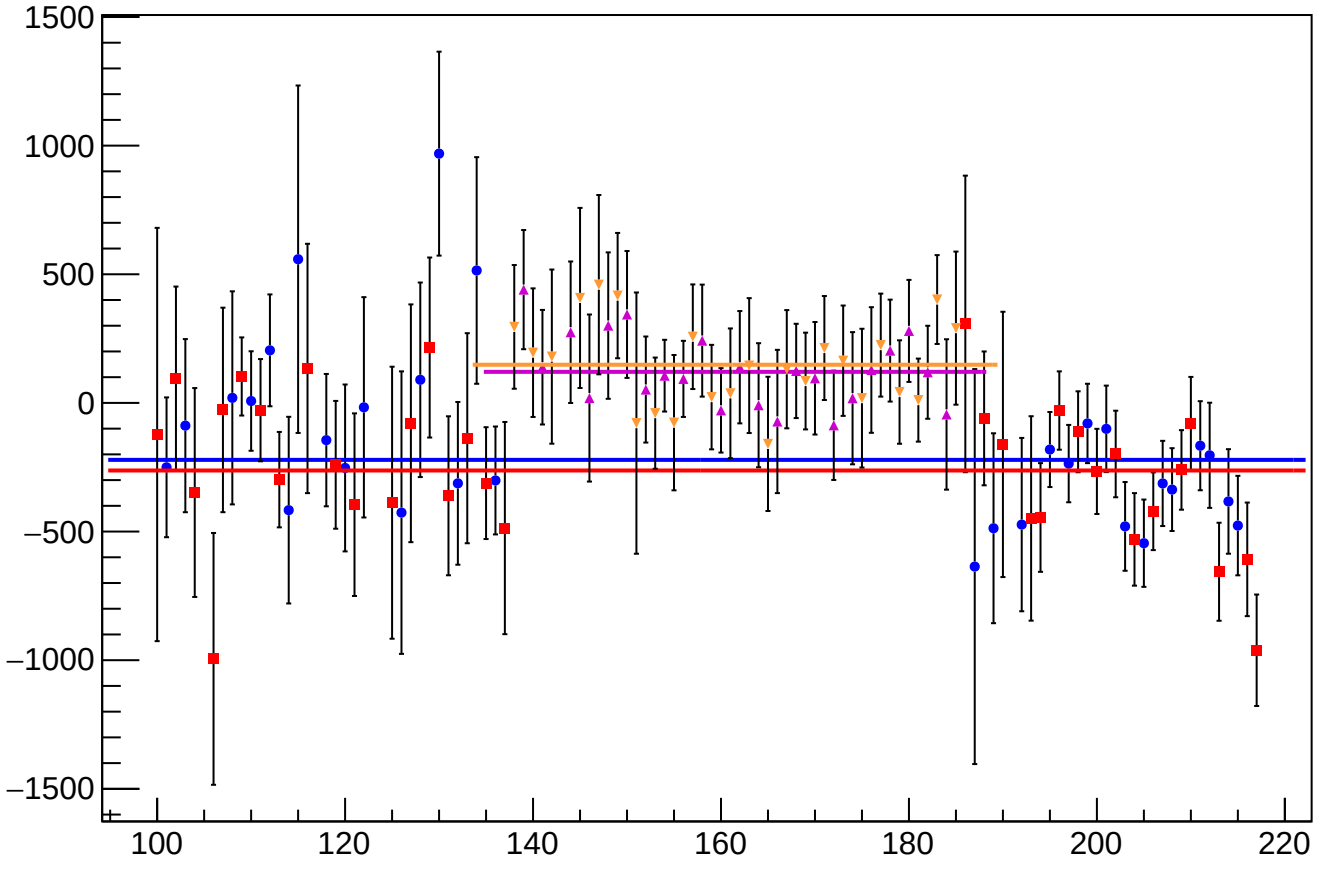
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.057+/-0.002 χ^2/NDF: 104658.0/64

In: 22.297+/-0.003 χ^2/NDF:79038.1/53

Out: 22.394+/-0.003 χ^2/NDF:81776.1/57

All: 22.346+/-0.002 χ^2/NDF: 161526.8/111



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: -262.623+/-39.704 χ^2/NDF: 41.8/33

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

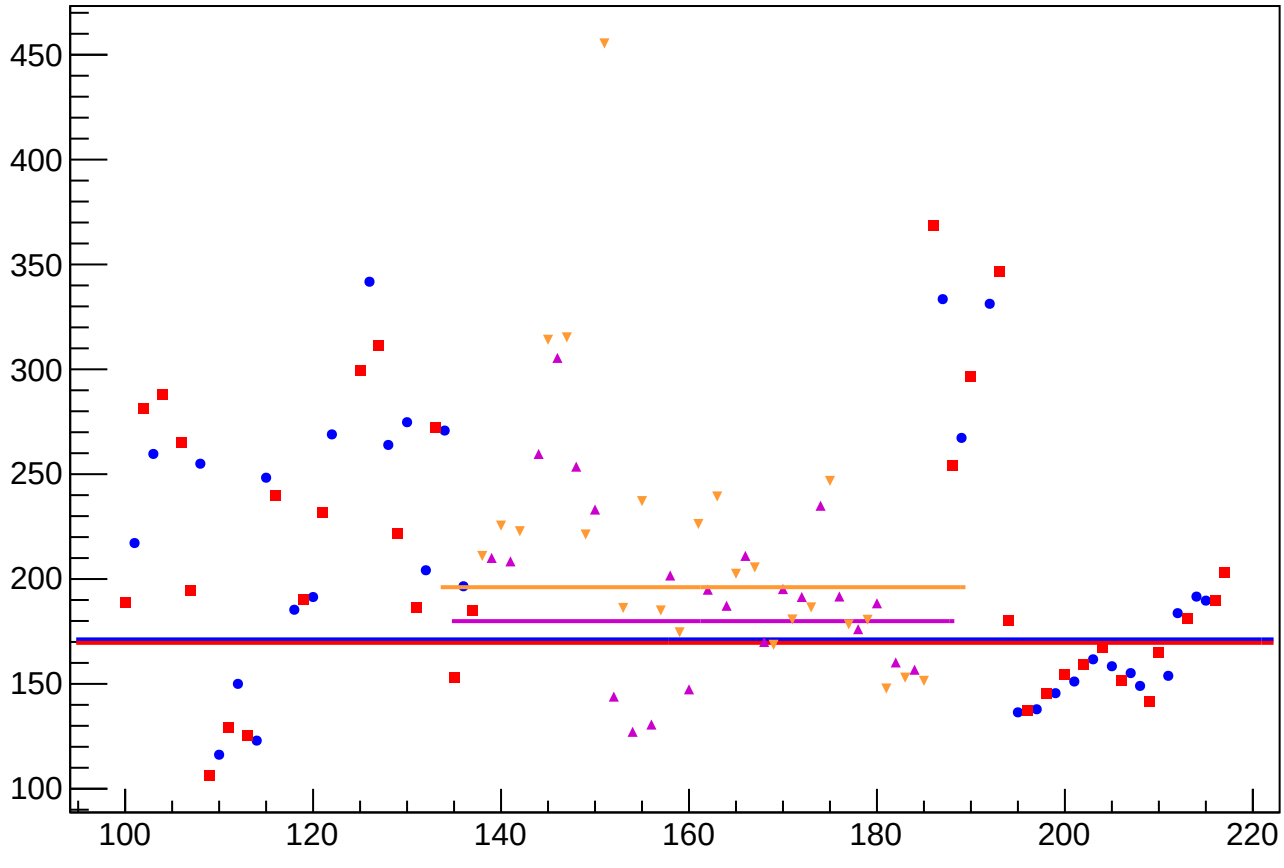
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -242.406+/-28.362 χ^2/NDF: 74.9/64

In: -64.015+/-29.784 χ^2/NDF:73.2/53

Out: -92.346+/-30.388 χ^2/NDF:97.1/57

All: -77.897+/-21.271 χ^2/NDF: 170.8/111



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: 169.577+/-0.028 χ^2/NDF: 2915877.1/33

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

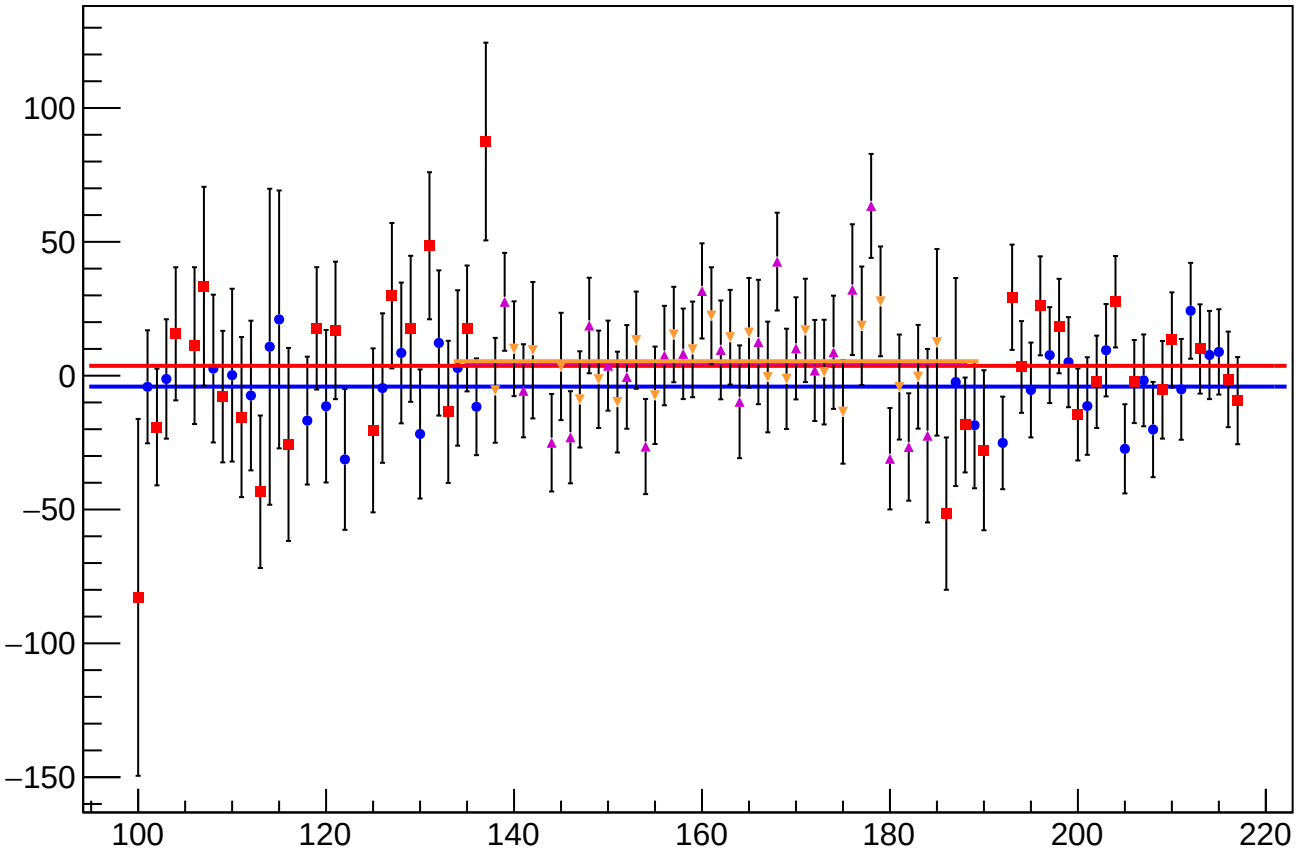
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 170.379+/-0.020 χ^2/NDF: 5270652.8/64

In: 175.220+/-0.021 χ^2/NDF:4019721.0/53

Out: 180.569+/-0.021 χ^2/NDF:5012216.0/57

All: 177.841+/-0.015 χ^2/NDF: 9063547.0/11



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: 3.676+/-3.733 χ^2/NDF: 33.8/33

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

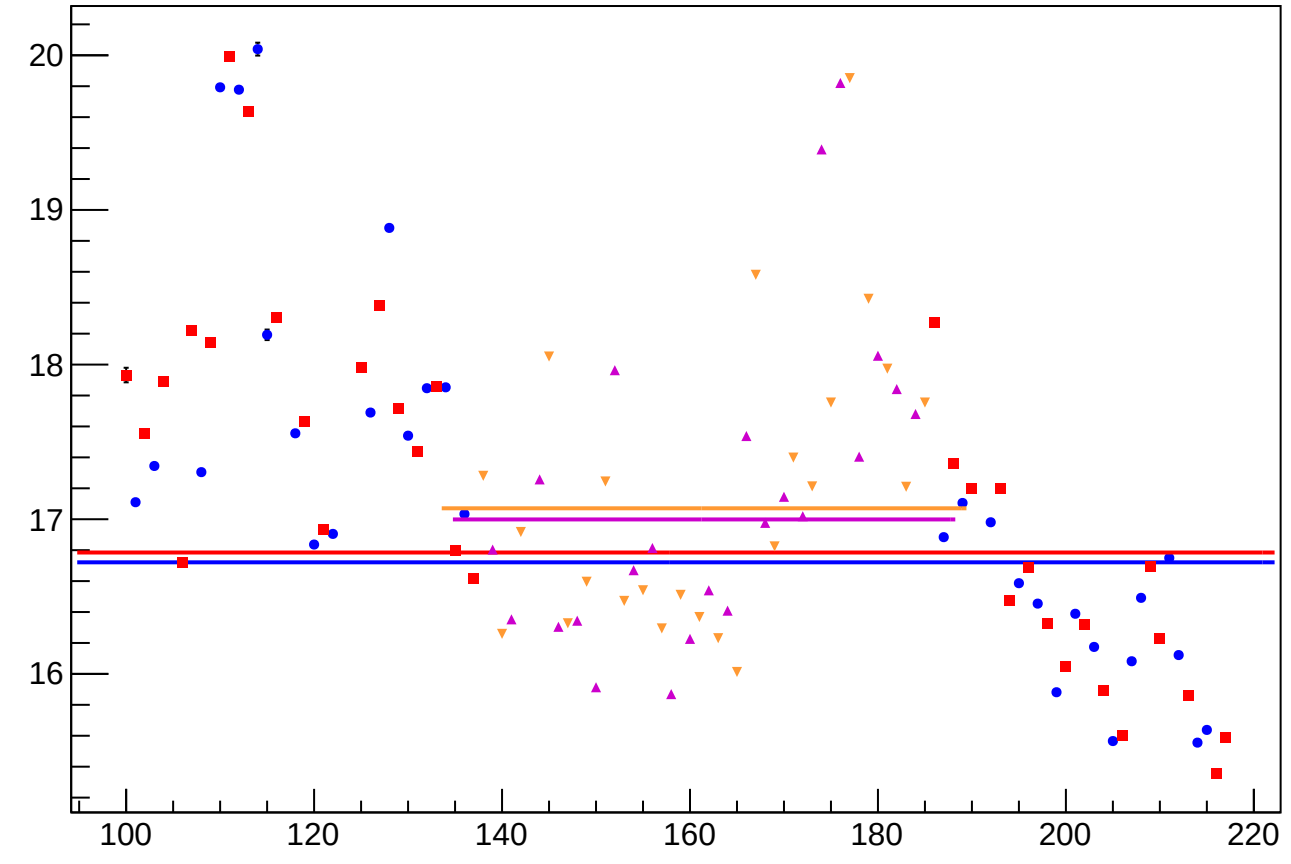
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: -0.119+/-2.668 χ^2/NDF: 49.0/64

In: 0.199+/-2.754 χ^2/NDF:51.2/53

Out: 4.488+/-2.720 χ^2/NDF:41.7/57

All: 2.370+/-1.935 χ^2/NDF: 94.1/111



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: 16.785+/-0.003 χ^2/NDF: 147100.9/33

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

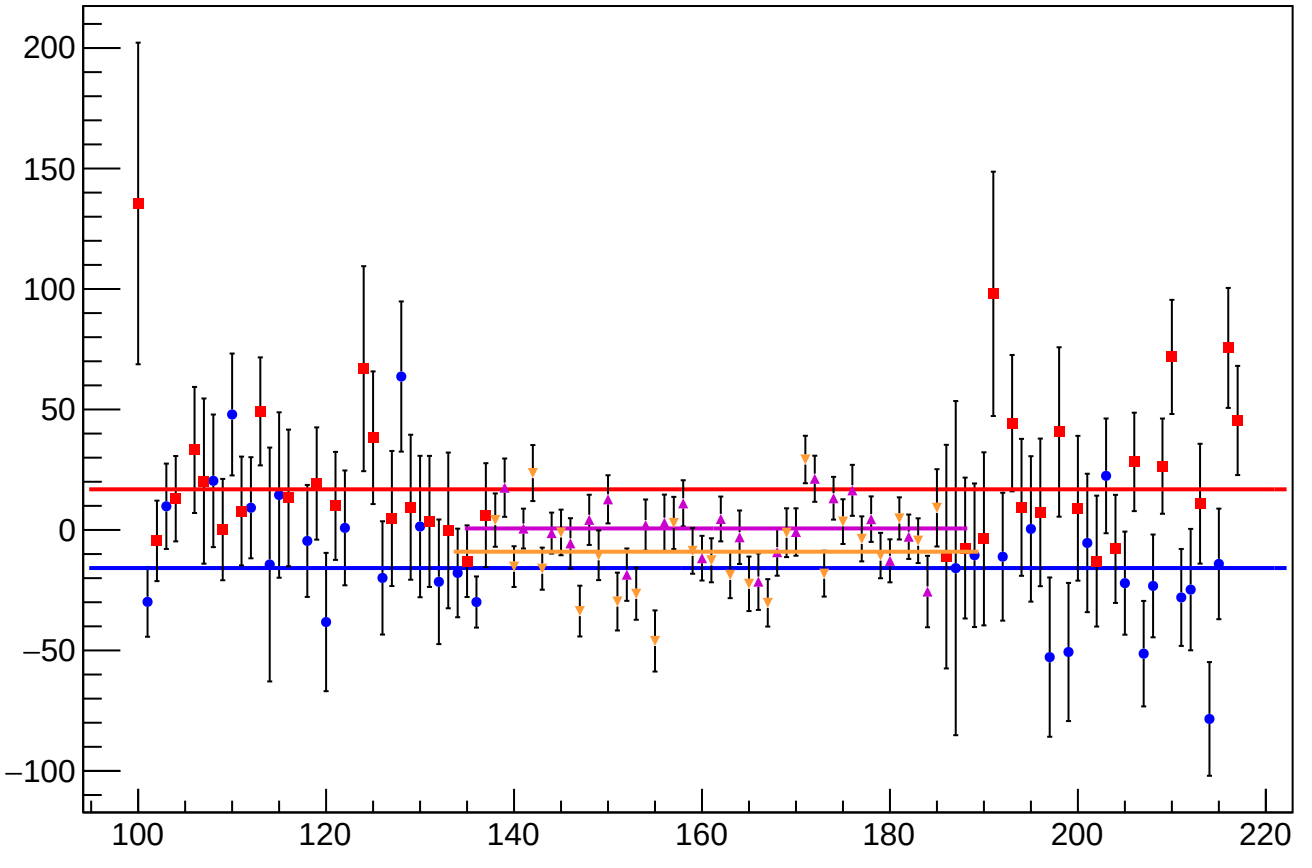
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 16.754+/-0.002 χ^2/NDF: 272057.6/64

In: 16.854+/-0.002 χ^2/NDF:233755.6/53

Out: 16.919+/-0.002 χ^2/NDF:248913.1/57

All: 16.887+/-0.001 χ^2/NDF: 483228.5/111



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: 16.863+/-4.175 χ^2/NDF: 36.4/35

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

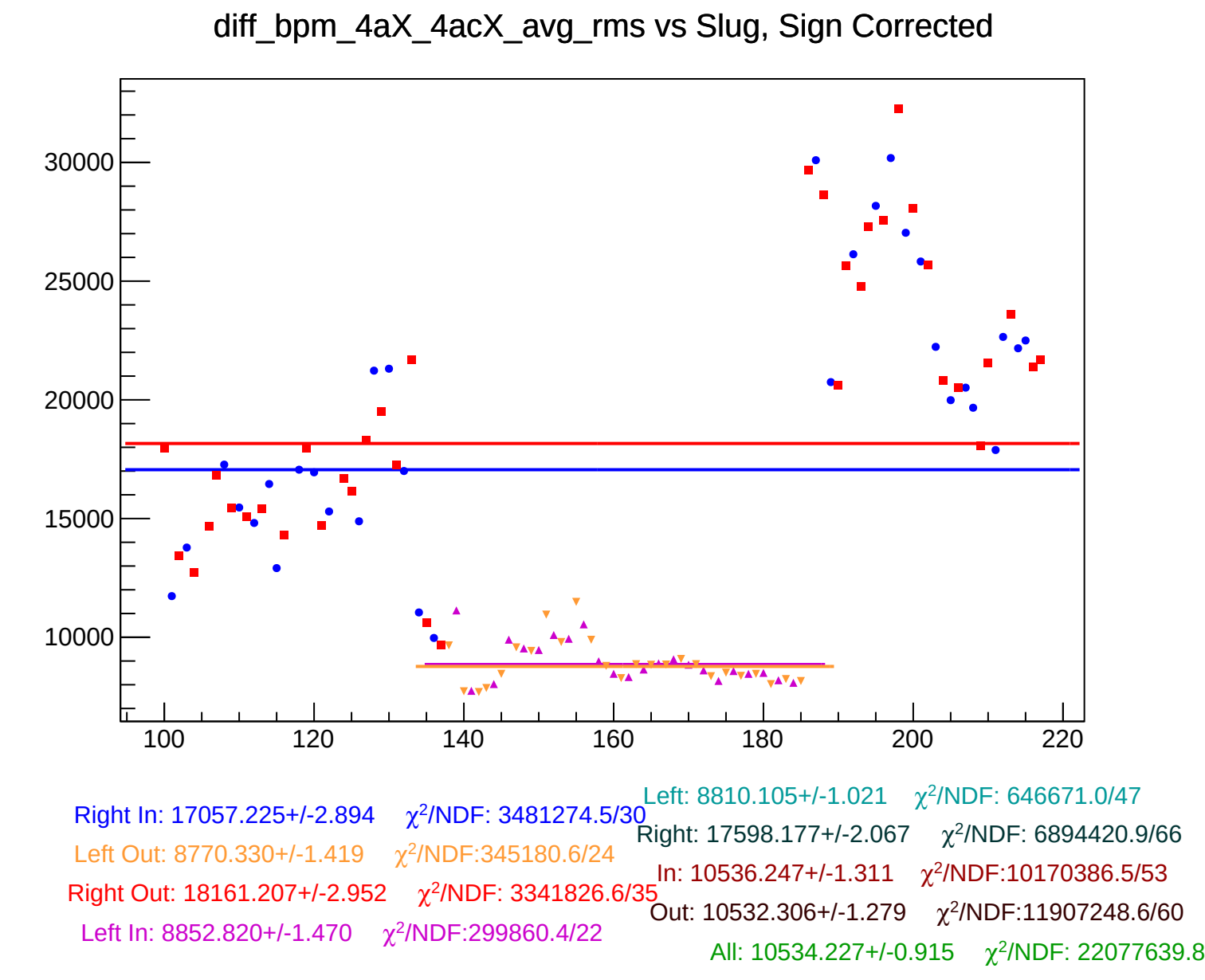
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: 0.201+/-2.923 χ^2/NDF: 107.2/66

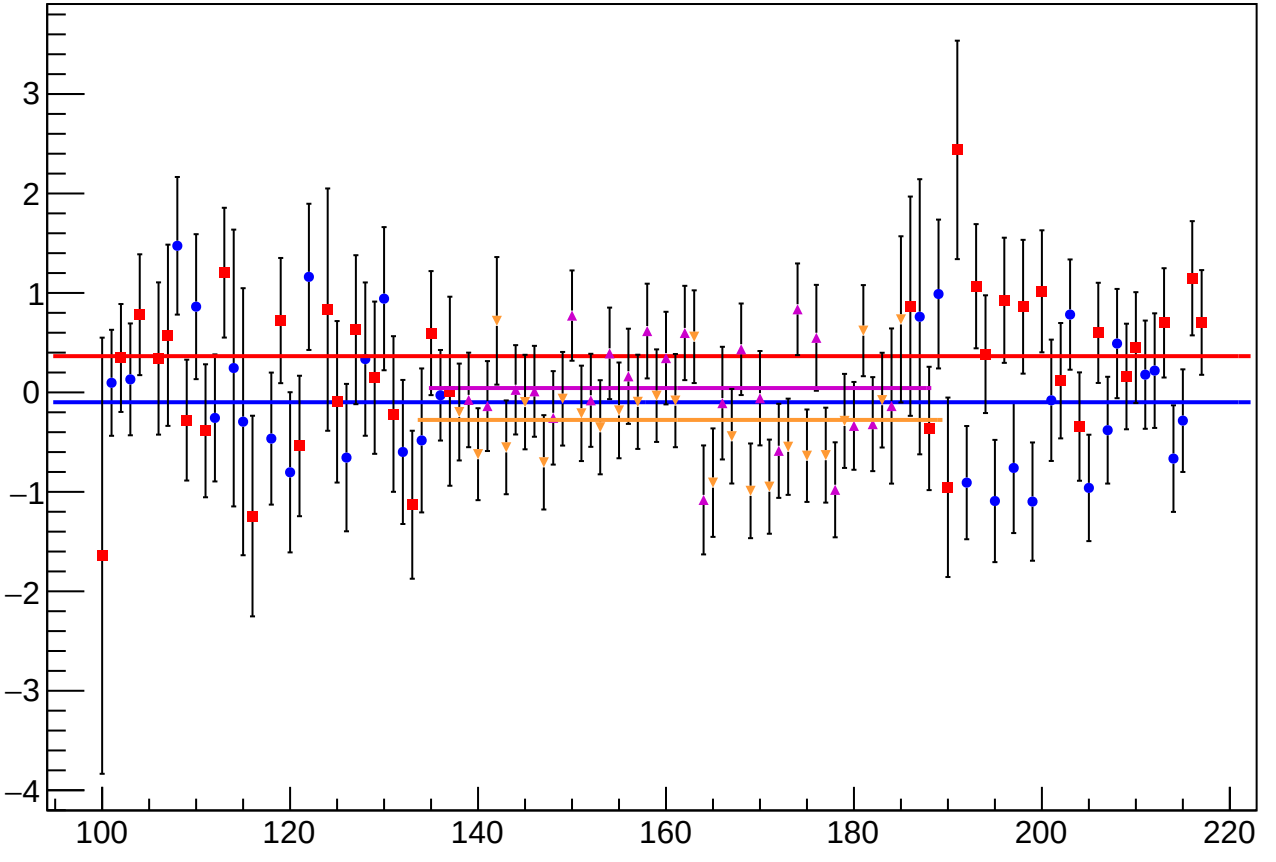
In: -2.745+/-1.854 χ^2/NDF:81.9/53

Out: -4.170+/-1.808 χ^2/NDF:129.6/60

All: -3.475+/-1.294 χ^2/NDF: 211.8/114


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: 18161.207+/-2.952 χ²/NDF: 3341826.6/35
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 17598.177+/-2.067 χ²/NDF: 6894420.9/66
In: 10536.247+/-1.311 χ²/NDF:10170386.5/53
Out: 10532.306+/-1.279 χ²/NDF:11907248.6/60
All: 10534.227+/-0.915 χ²/NDF: 22077639.8

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: 0.364+/-0.112 χ^2/NDF: 31.4/35

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

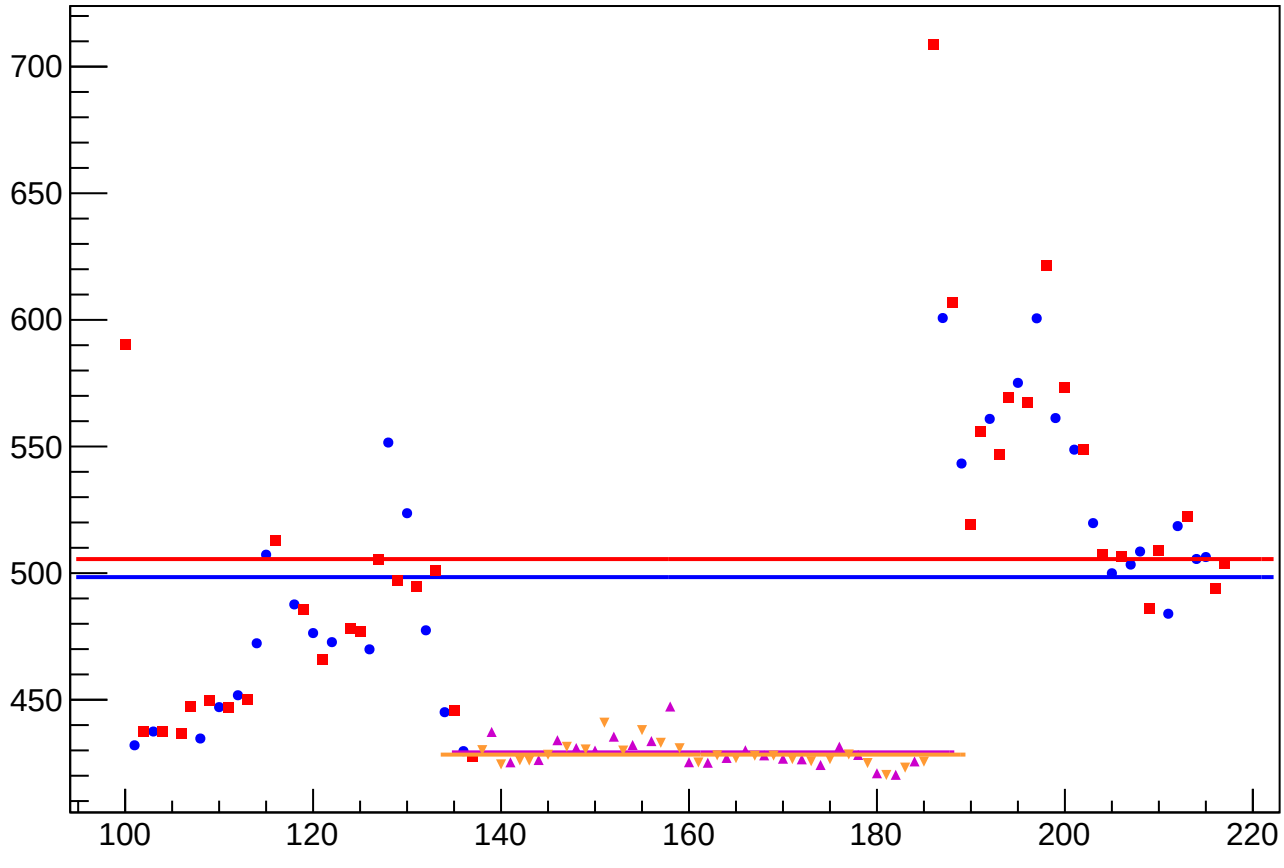
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.138+/-0.080 χ^2/NDF: 74.2/66

In: -0.018+/-0.075 χ^2/NDF:59.1/53

Out: -0.000+/-0.073 χ^2/NDF:71.1/60

All: -0.009+/-0.053 χ^2/NDF: 130.3/114



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: 505.549+/-0.079 χ^2/NDF: 452617.4/35

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

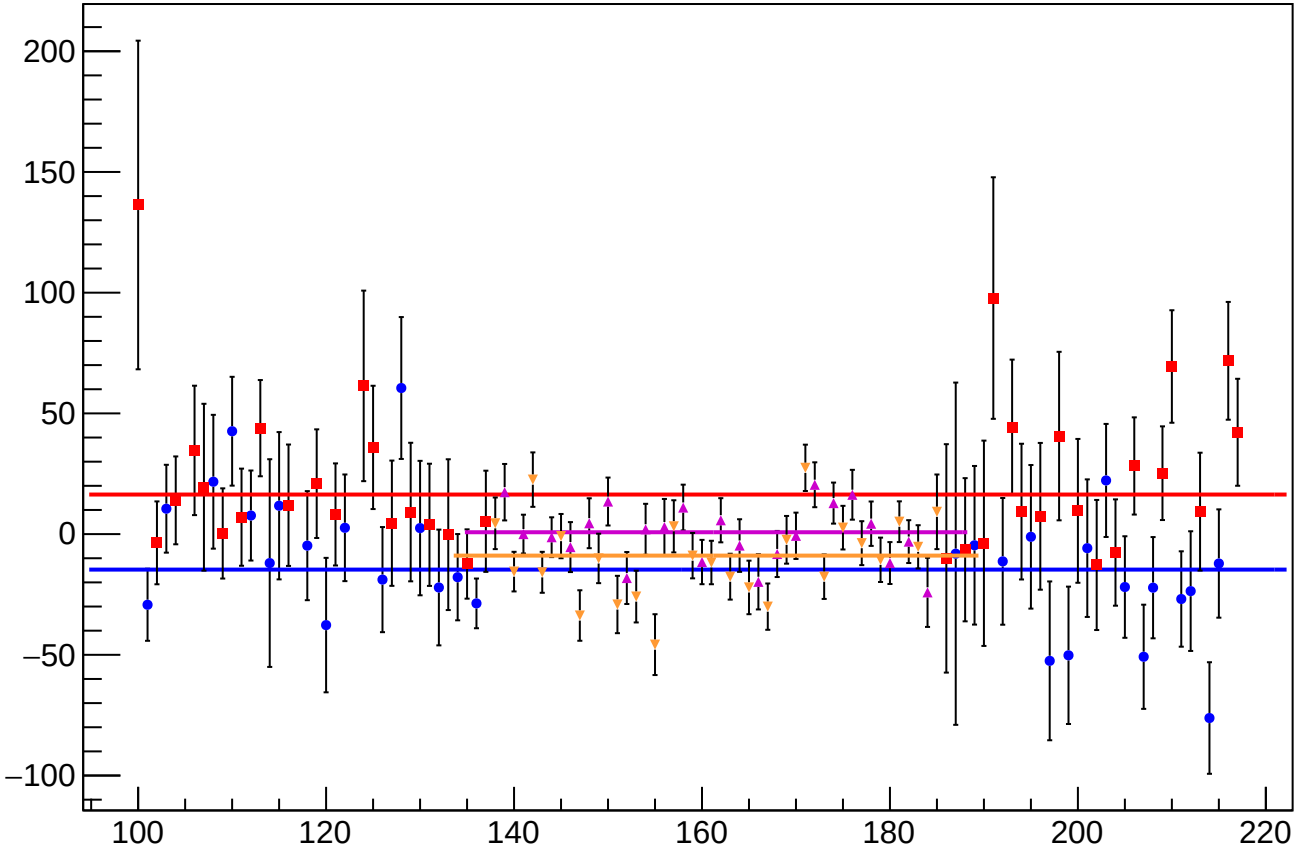
Right: 502.060+/-0.056 χ^2/NDF: 793555.9/66

In: 459.404+/-0.053 χ^2/NDF:759411.9/53

Out: 461.650+/-0.052 χ^2/NDF:999824.7/60

All: 460.556+/-0.037 χ^2/NDF: 1760149.6/114

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: 16.388+/-4.048 χ^2/NDF: 35.2/35

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

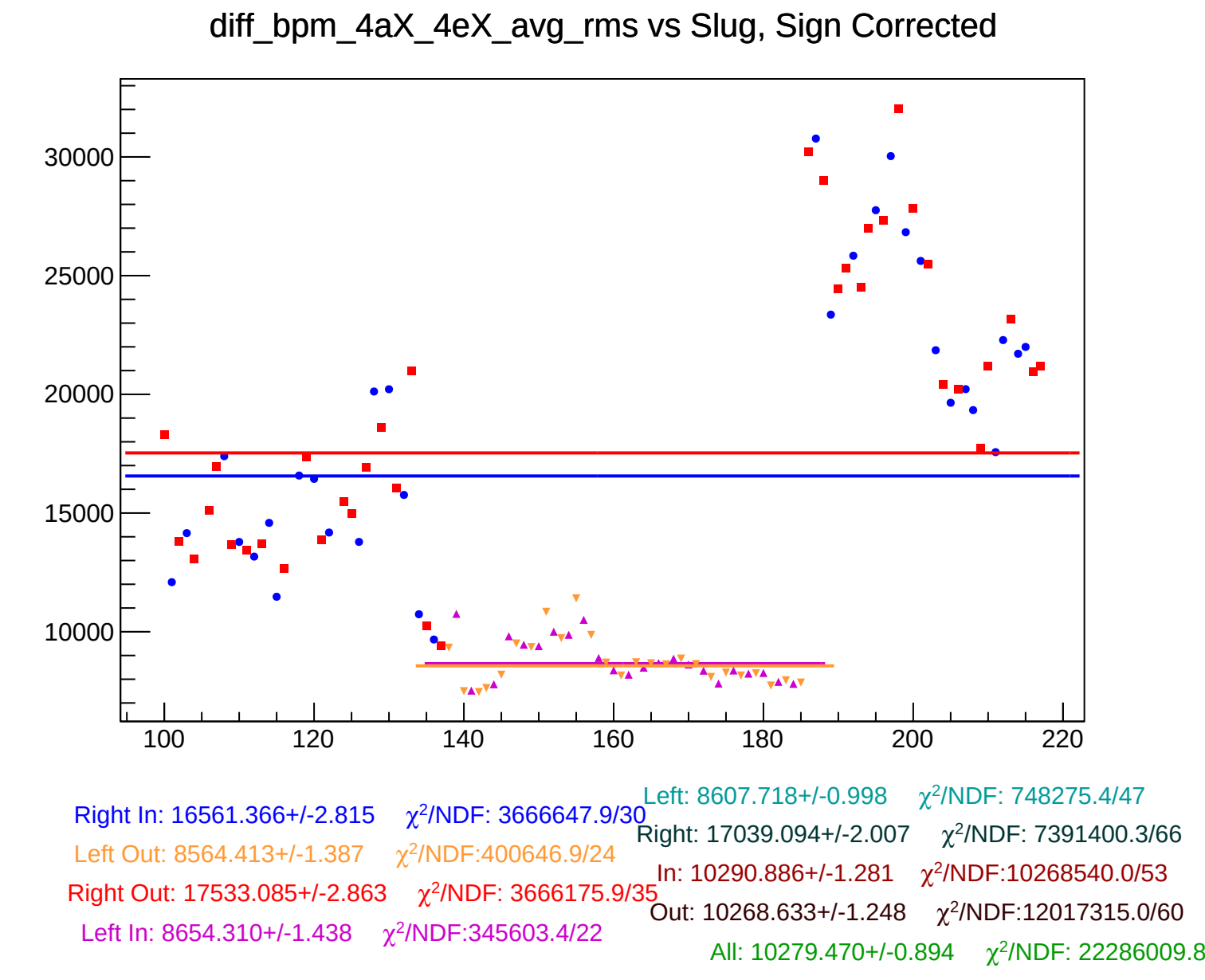
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

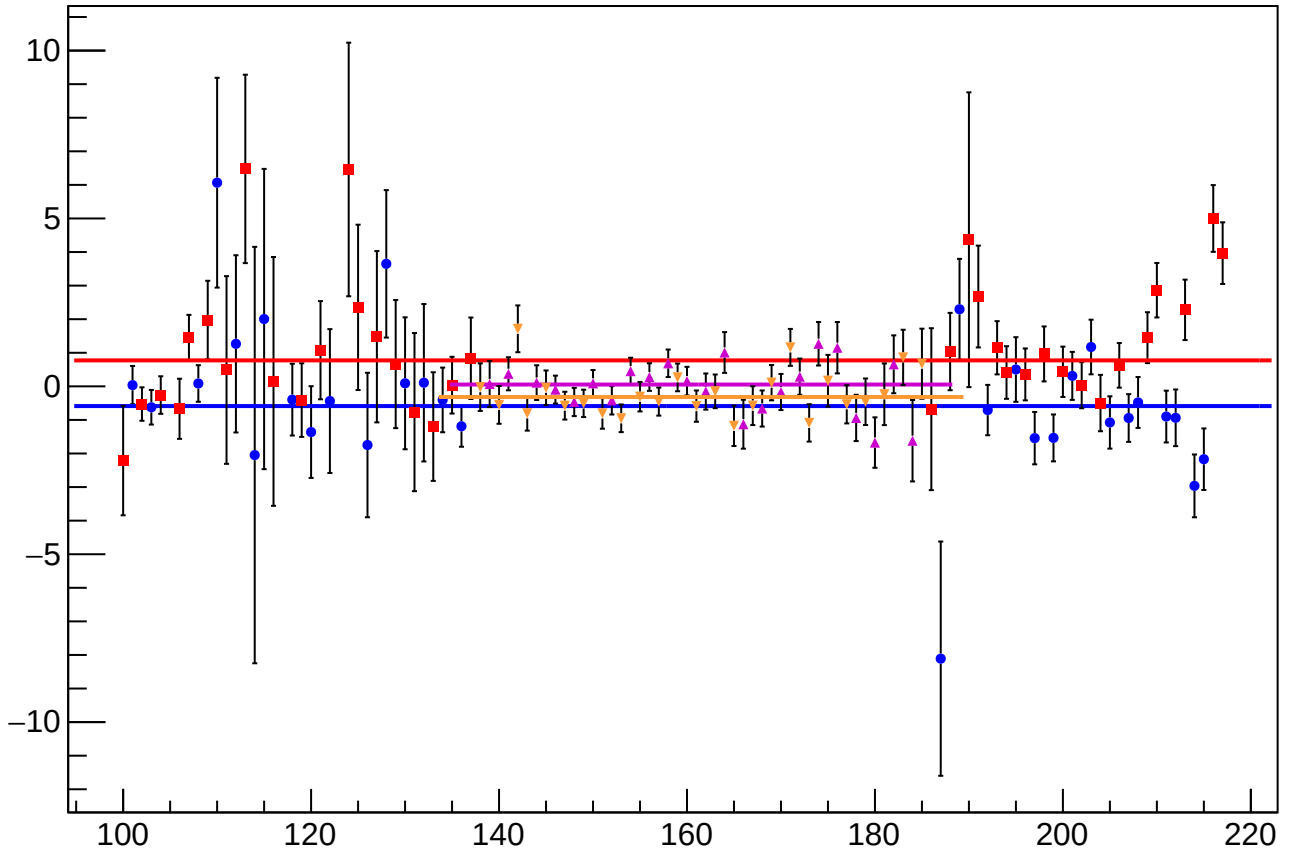
Right: 0.583+/-2.839 χ^2/NDF: 105.3/66

In: -2.430+/-1.811 χ^2/NDF:81.4/53

Out: -4.098+/-1.765 χ^2/NDF:128.3/60

All: -3.286+/-1.264 χ^2/NDF: 210.2/114


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16561.366+/-2.815 χ²/NDF: 3666647.9/30
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 17533.085+/-2.863 χ²/NDF: 3666175.9/35
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 17039.094+/-2.007 χ²/NDF: 7391400.3/66
In: 10290.886+/-1.281 χ²/NDF:10268540.0/53
Out: 10268.633+/-1.248 χ²/NDF:12017315.0/60
All: 10279.470+/-0.894 χ²/NDF: 22286009.8



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: 0.773+/-0.160 χ^2/NDF: 76.7/35

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

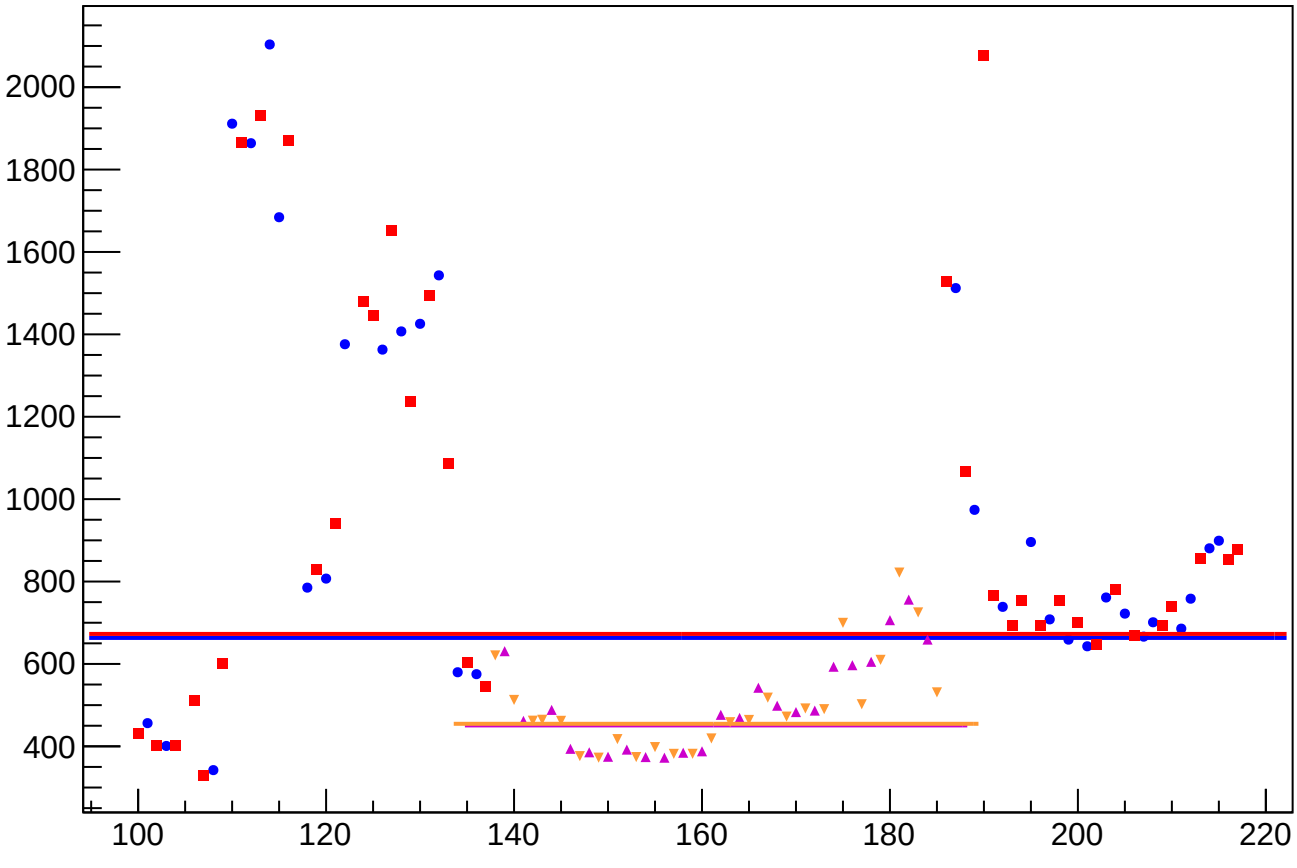
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.099+/-0.114 χ^2/NDF: 155.7/66

In: -0.144+/-0.090 χ^2/NDF:84.1/53

Out: 0.014+/-0.088 χ^2/NDF:141.1/60

All: -0.064+/-0.063 χ^2/NDF: 226.7/114



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: 672.850+/-0.113 χ^2/NDF: 5002744.5/35

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

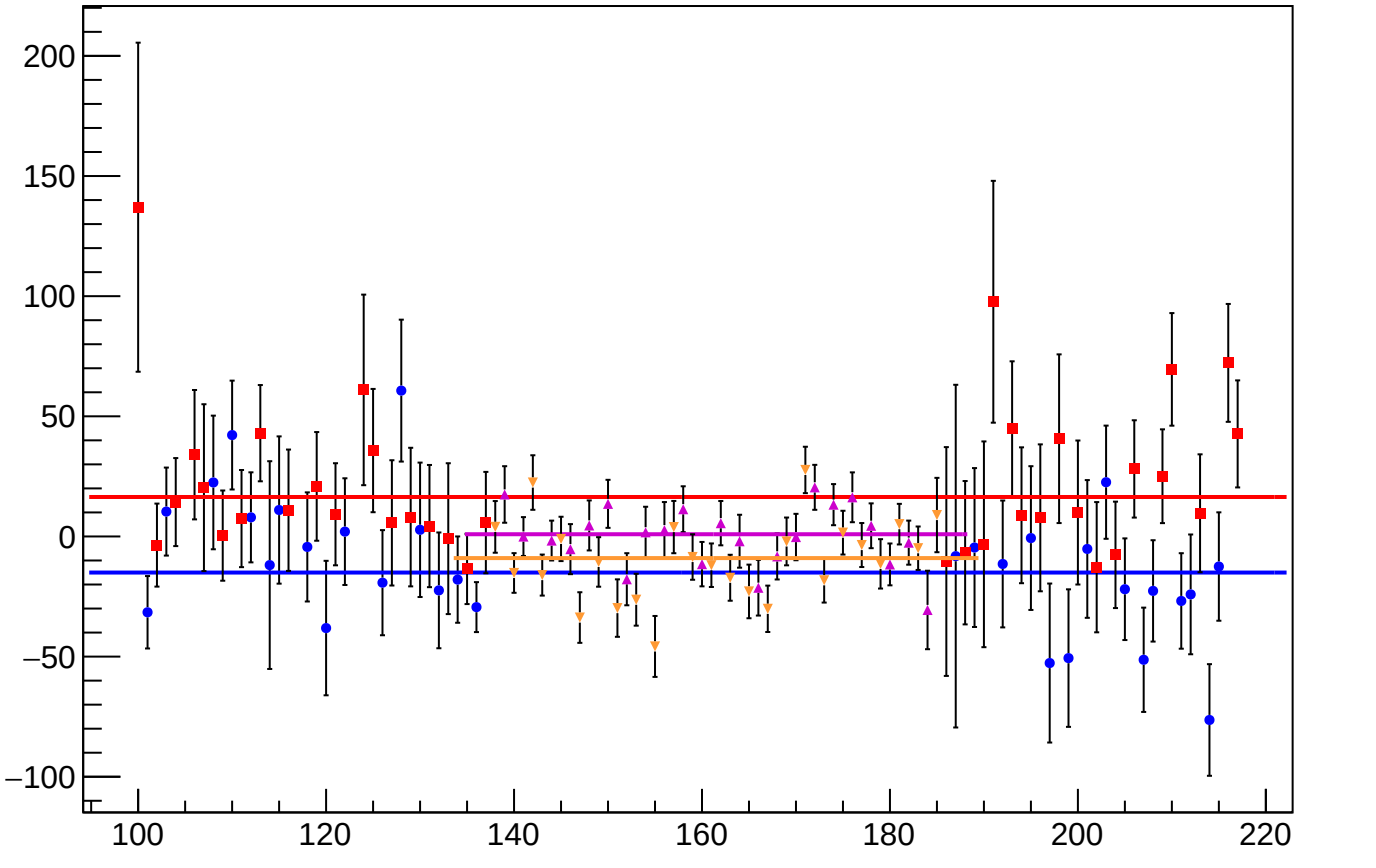
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

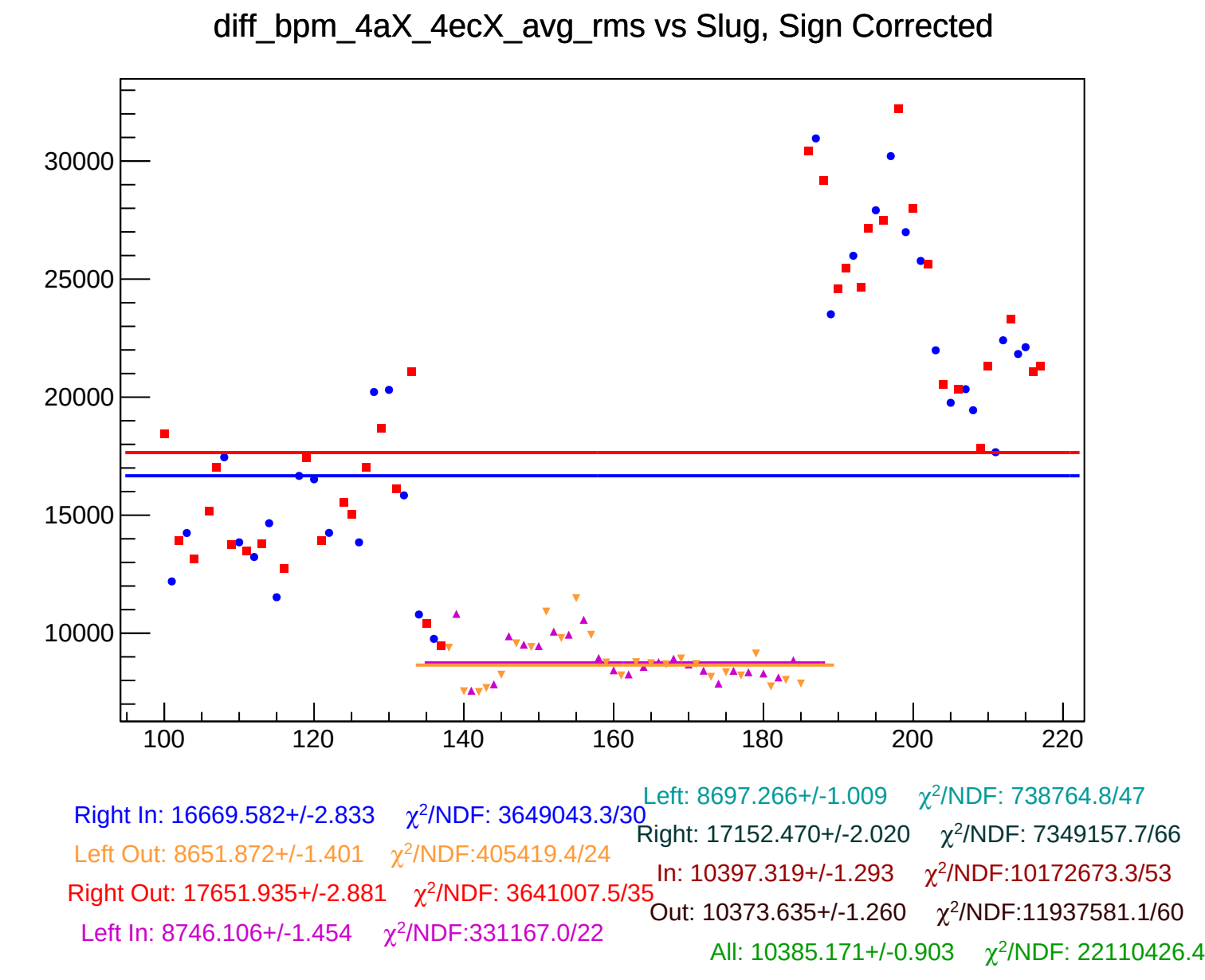
Right: 668.043+/-0.081 χ^2/NDF: 9440030.1/66

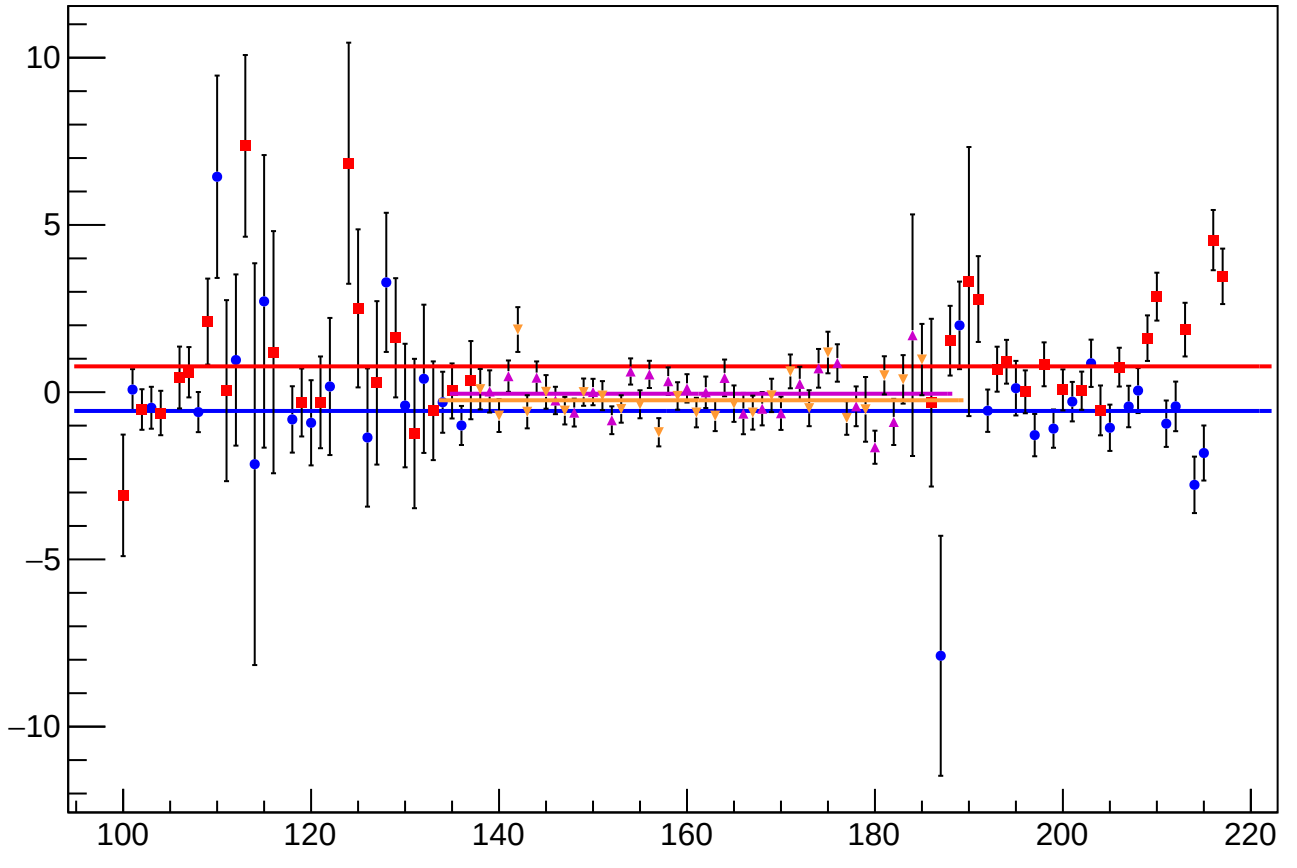
In: 516.242+/-0.064 χ^2/NDF:8283496.3/53

Out: 520.940+/-0.063 χ^2/NDF:9027541.0/60

All: 518.631+/-0.045 χ^2/NDF: 17313811.3/11


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -15.020+/-4.006 χ²/NDF: 40.5/30
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 16.424+/-4.075 χ²/NDF: 34.9/35
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: 0.437+/-2.857 χ²/NDF: 105.7/66
In: -2.398+/-1.829 χ²/NDF:82.9/53
Out: -4.137+/-1.782 χ²/NDF:127.7/60
All: -3.290+/-1.276 χ²/NDF: 211.0/114


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: 17651.935+/-2.881 χ²/NDF: 3641007.5/35
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 17152.470+/-2.020 χ²/NDF: 7349157.7/66
In: 10397.319+/-1.293 χ²/NDF:10172673.3/53
Out: 10373.635+/-1.260 χ²/NDF:11937581.1/60
All: 10385.171+/-0.903 χ²/NDF: 22110426.4



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: 0.772+/-0.150 χ^2/NDF: 79.8/35

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

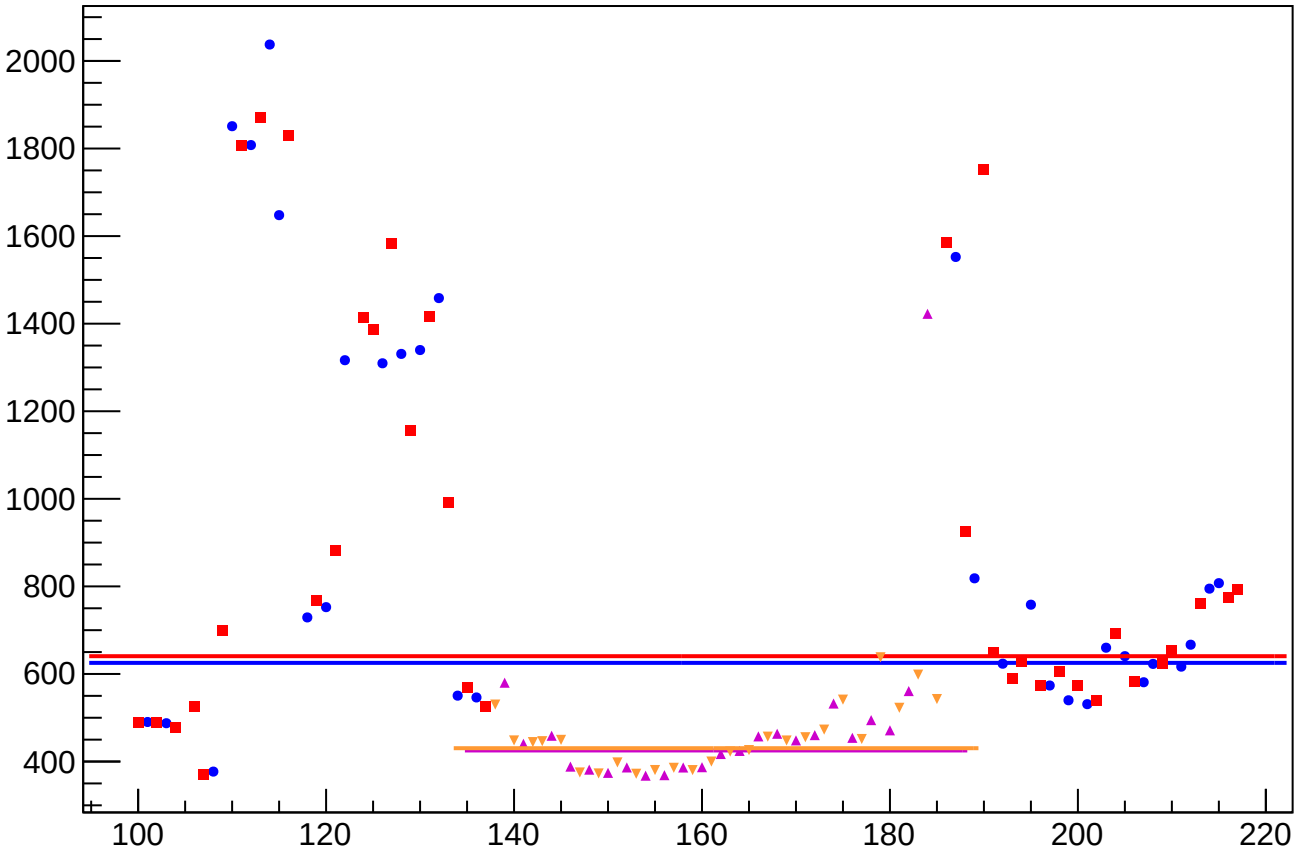
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: 0.106+/-0.106 χ^2/NDF: 157.1/66

In: -0.208+/-0.084 χ^2/NDF:81.2/53

Out: 0.069+/-0.083 χ^2/NDF:145.5/60

All: -0.068+/-0.059 χ^2/NDF: 232.2/114



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: 640.581+/-0.106 χ^2/NDF: 3692398.9/35

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

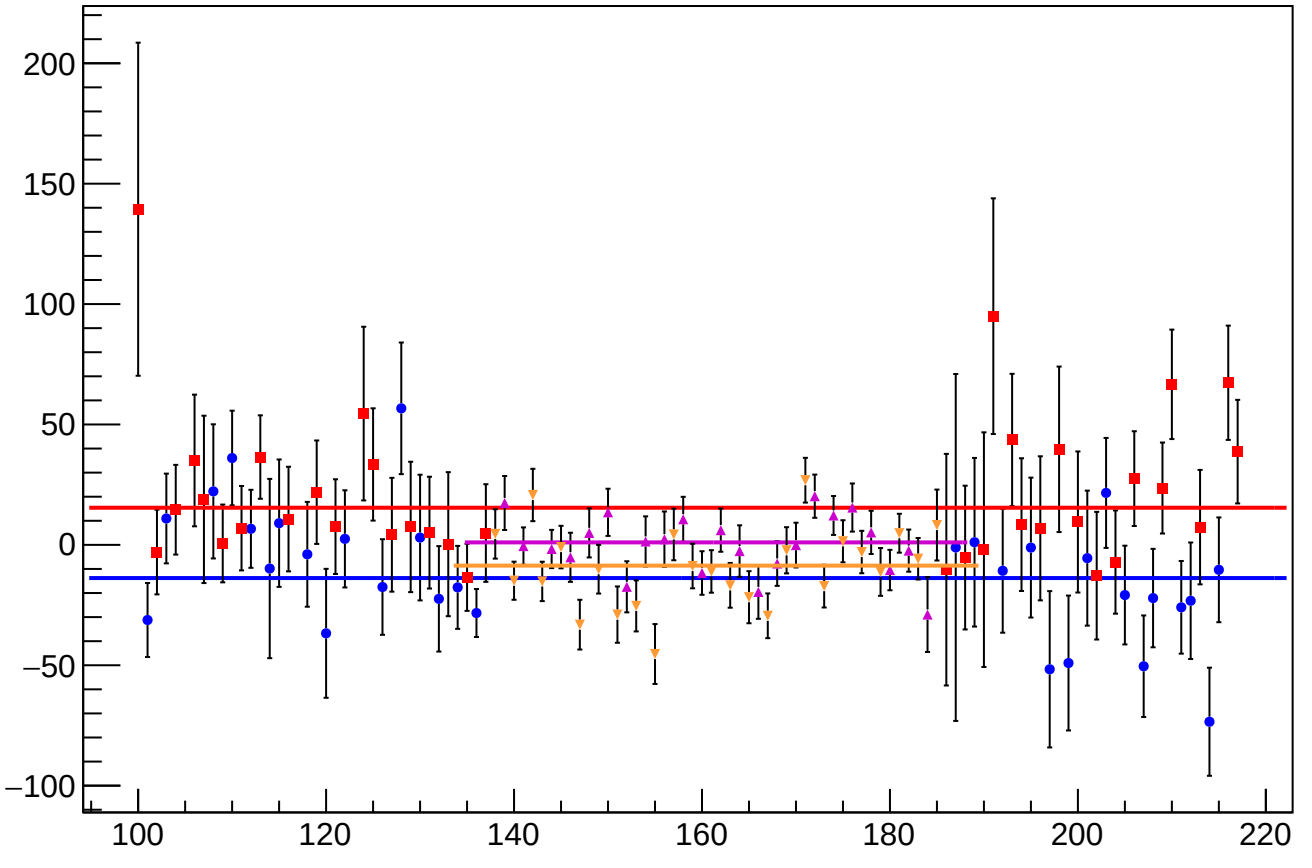
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 632.970+/-0.075 χ^2/NDF: 7104575.0/66

In: 487.824+/-0.060 χ^2/NDF:6542242.8/53

Out: 495.024+/-0.059 χ^2/NDF:7043697.3/60

All: 491.460+/-0.042 χ^2/NDF: 13593320.3/11



Right In: -13.785+/-3.823 χ^2/NDF: 41.3/30

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 15.420+/-3.866 χ^2/NDF: 34.0/35

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

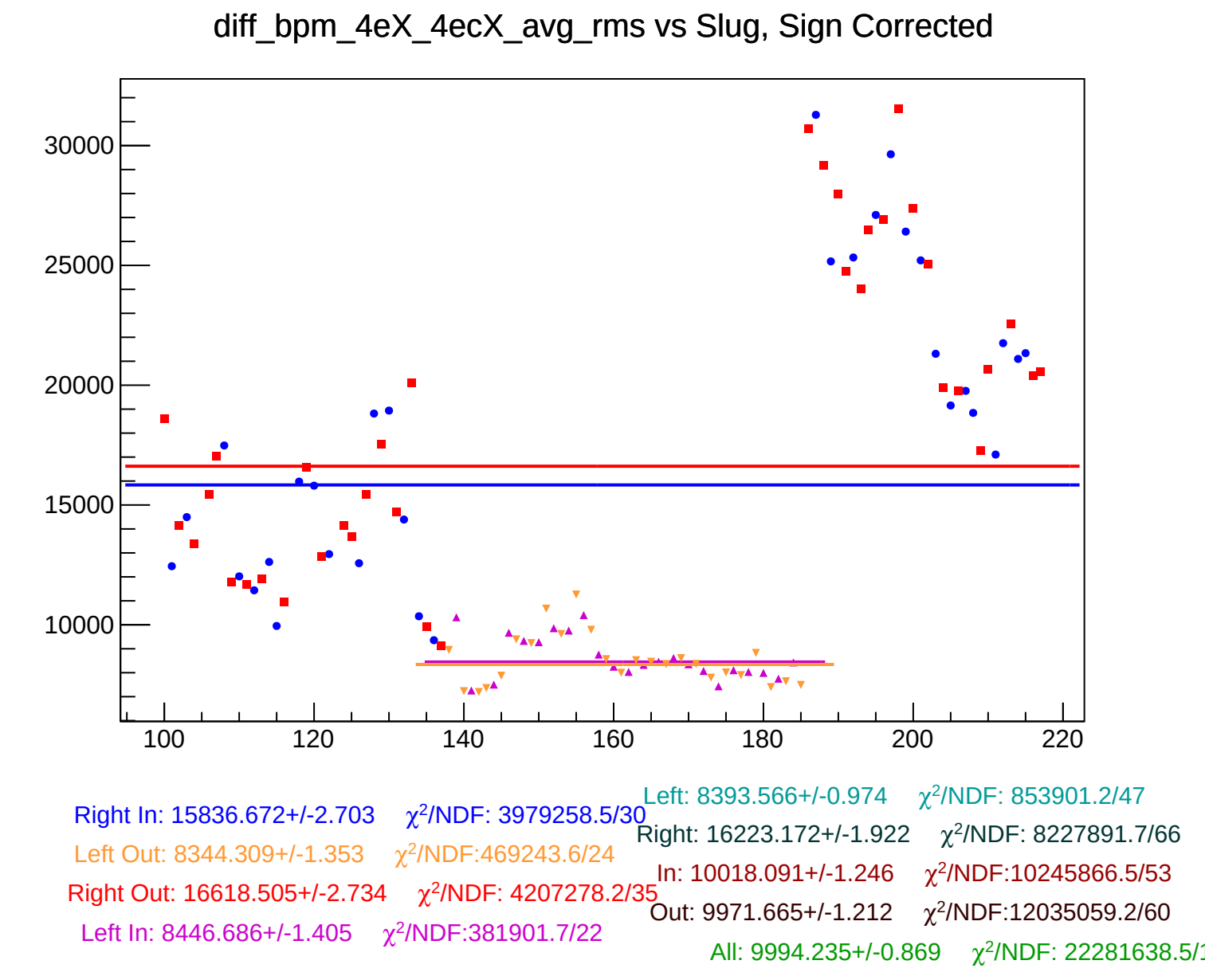
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

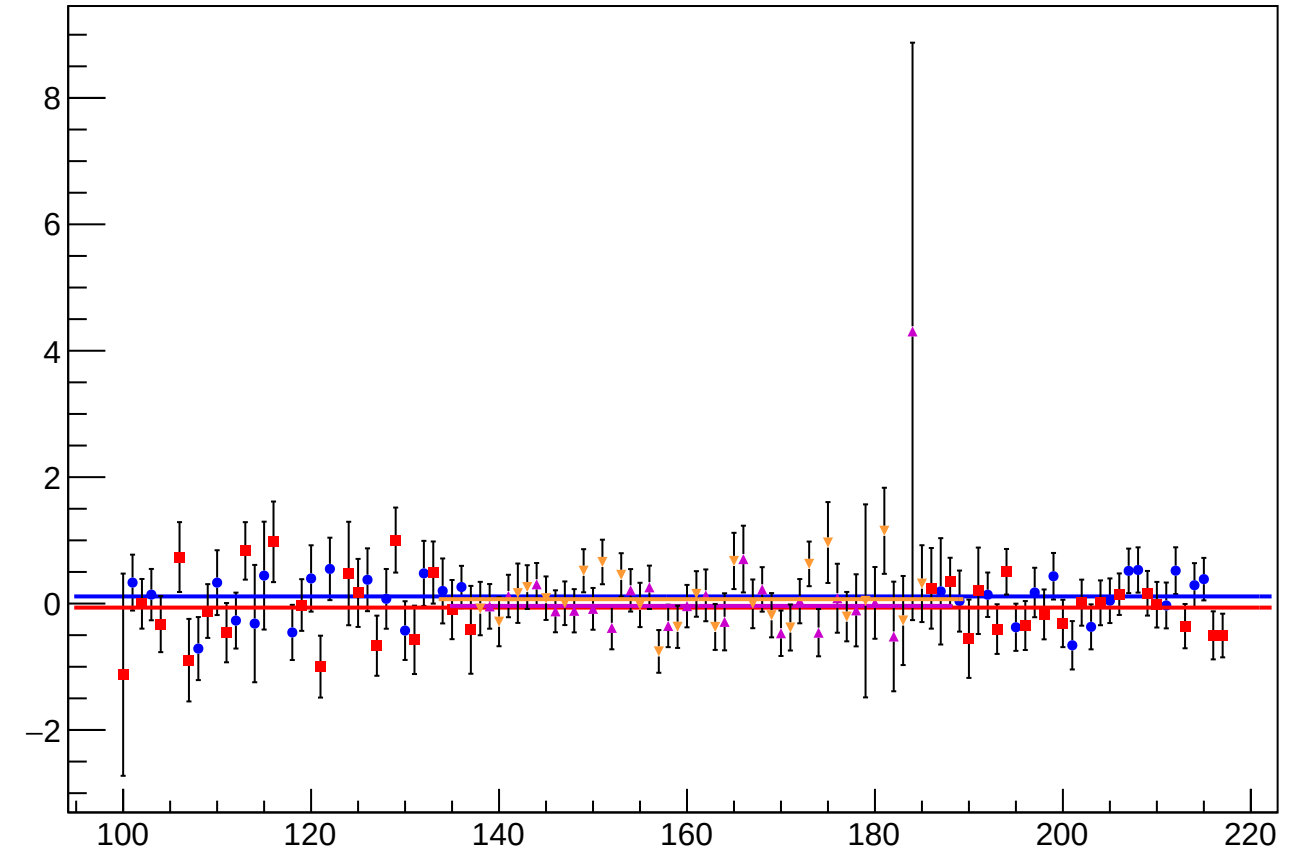
Right: 0.653+/-2.718 χ^2/NDF: 104.2/66

In: -2.123+/-1.763 χ^2/NDF:82.9/53

Out: -3.894+/-1.715 χ^2/NDF:126.7/60

All: -3.033+/-1.229 χ^2/NDF: 210.1/114


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: 16618.505+/-2.734 χ²/NDF: 4207278.2/35
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16223.172+/-1.922 χ²/NDF: 8227891.7/66
In: 10018.091+/-1.246 χ²/NDF:10245866.5/53
Out: 9971.665+/-1.212 χ²/NDF:12035059.2/60
All: 9994.235+/-0.869 χ²/NDF: 22281638.5/1



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: -0.064+/-0.074 χ^2/NDF: 35.5/35

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

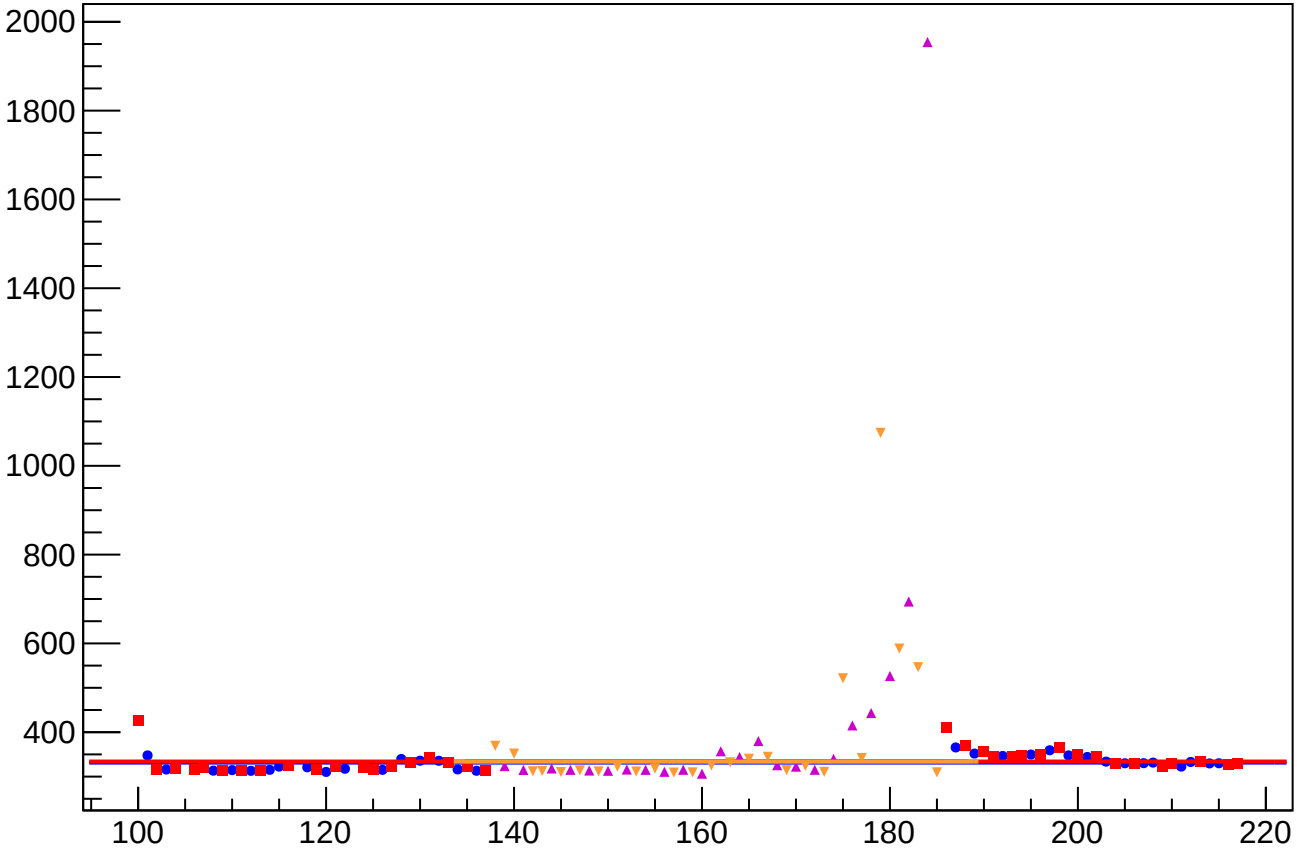
Right: 0.022+/-0.053 χ^2/NDF: 61.2/66

In: 0.043+/-0.055 χ^2/NDF:36.4/53

Out: -0.002+/-0.054 χ^2/NDF:65.2/60

All: 0.020+/-0.039 χ^2/NDF: 102.0/114

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 331.551+/-0.053 χ^2/NDF: 64328.7/30

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 333.971+/-0.052 χ^2/NDF: 119761.1/35

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

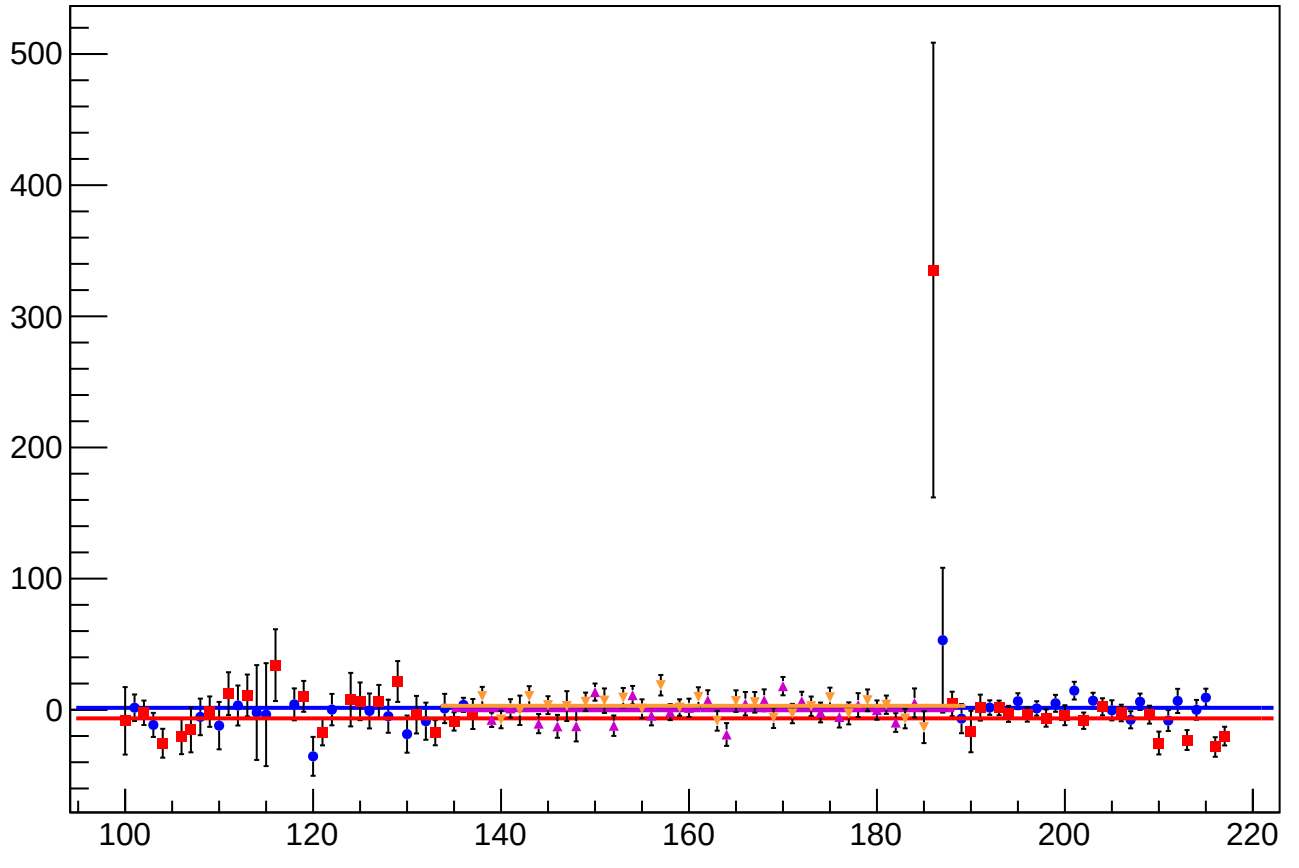
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.795+/-0.037 χ^2/NDF: 185141.2/66

In: 332.684+/-0.039 χ^2/NDF:1116273.5/53

Out: 333.884+/-0.038 χ^2/NDF:1337024.1/60

All: 333.299+/-0.027 χ^2/NDF: 2453781.3/114



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: -6.549+/-1.494 χ^2/NDF: 52.8/35

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

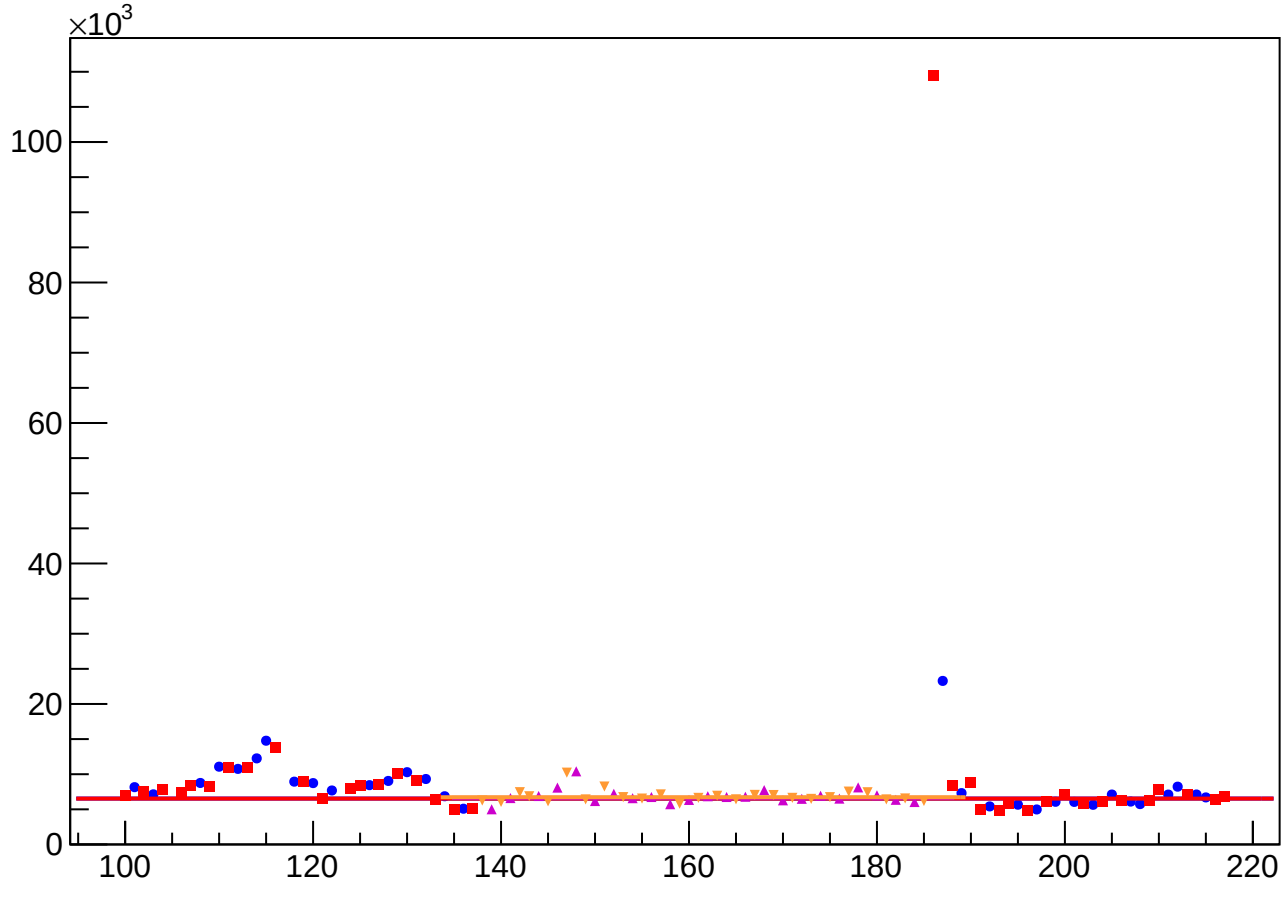
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.645+/-1.071 χ^2/NDF: 91.6/66

In: 0.584+/-1.097 χ^2/NDF:59.2/53

Out: -1.914+/-1.073 χ^2/NDF:93.0/60

All: -0.693+/-0.767 χ^2/NDF: 154.9/114



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: 6527.713+/-1.056 χ^2/NDF: 2444949.8/35

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

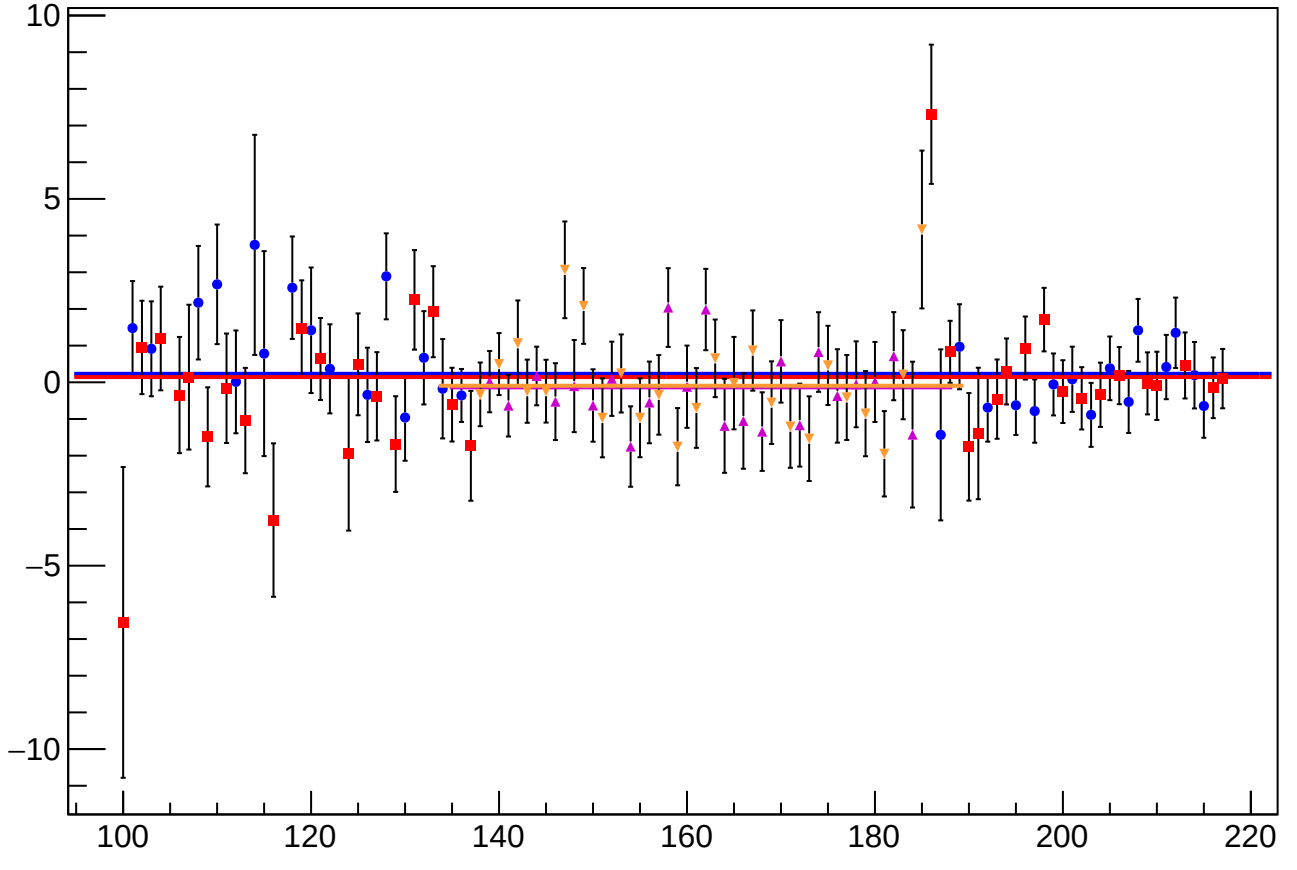
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6530.416+/-0.757 χ^2/NDF: 4277170.5/66

In: 6581.951+/-0.776 χ^2/NDF:2465803.9/53

Out: 6622.269+/-0.759 χ^2/NDF:2864817.5/60

All: 6602.565+/-0.542 χ^2/NDF: 5332002.0/11



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: 0.143+/-0.185 χ^2/NDF: 43.3/35

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

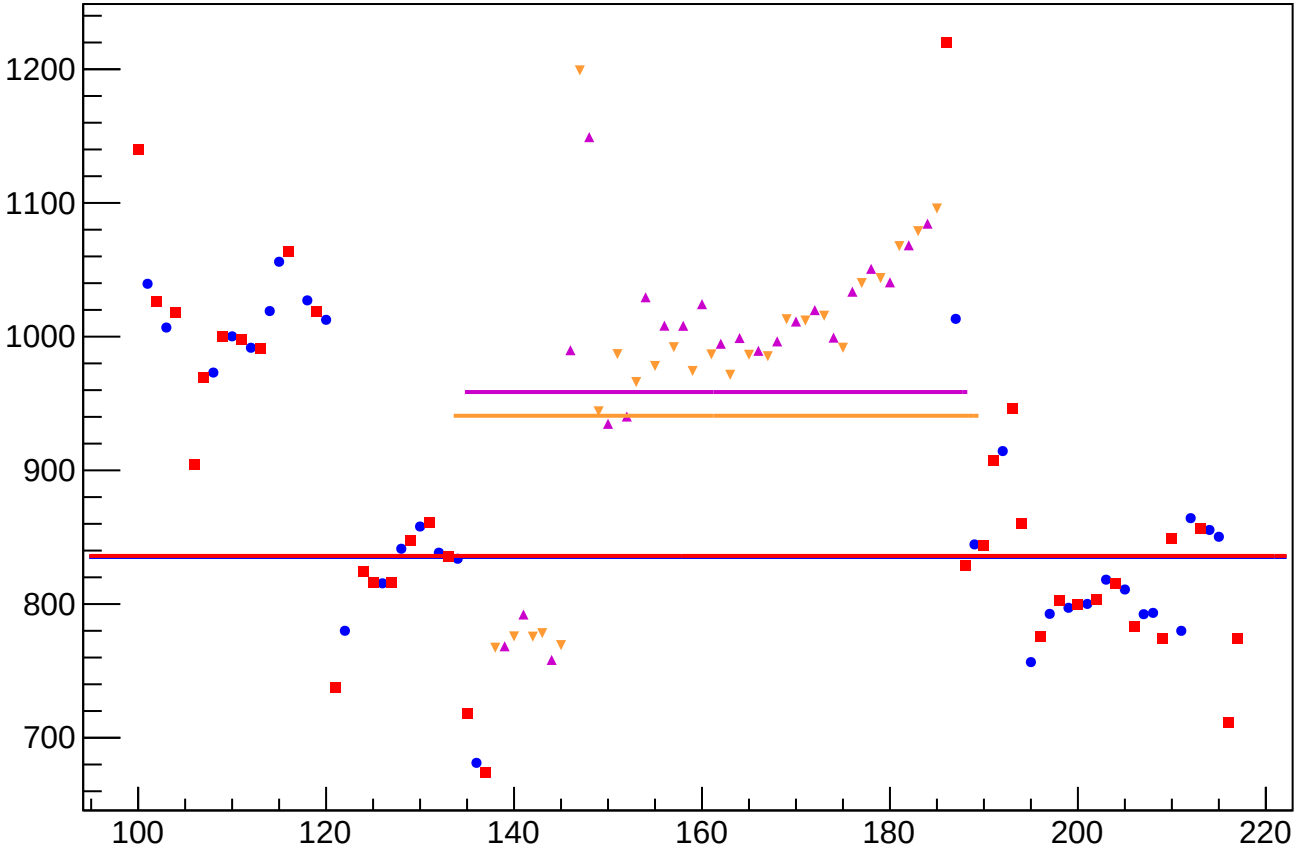
Right: 0.185+/-0.133 χ^2/NDF: 71.9/66

In: 0.077+/-0.146 χ^2/NDF:46.5/53

Out: 0.042+/-0.140 χ^2/NDF:71.4/60

All: 0.059+/-0.101 χ^2/NDF: 117.9/114

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 835.227+/-0.135 χ^2/NDF: 403900.1/30

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 835.999+/-0.131 χ^2/NDF: 513247.2/35

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

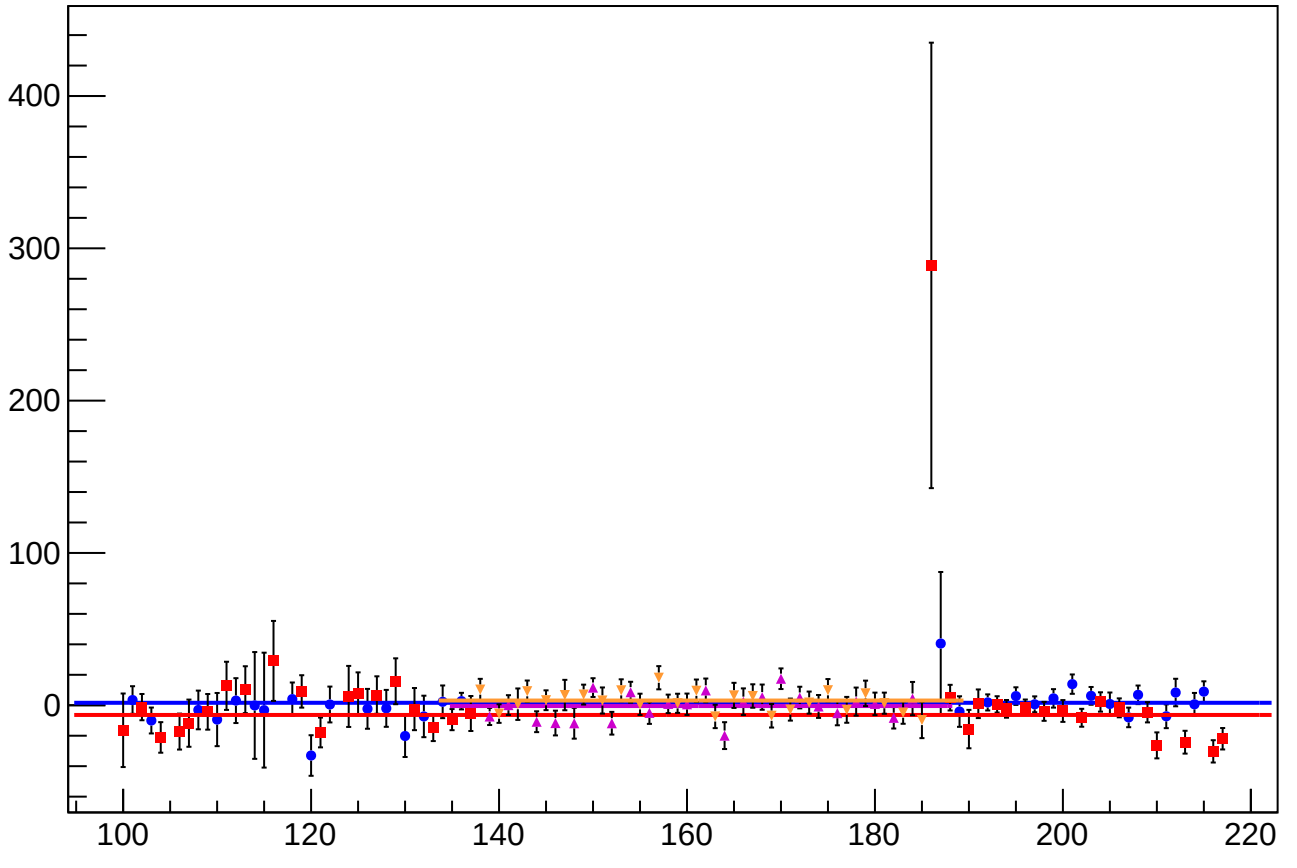
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 835.626+/-0.094 χ^2/NDF: 917164.1/66

In: 886.822+/-0.103 χ^2/NDF:1209345.5/53

Out: 880.464+/-0.099 χ^2/NDF:1354970.3/60

All: 883.521+/-0.071 χ^2/NDF: 2566291.7/114



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: -6.366+/-1.427 χ^2/NDF: 57.2/35

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

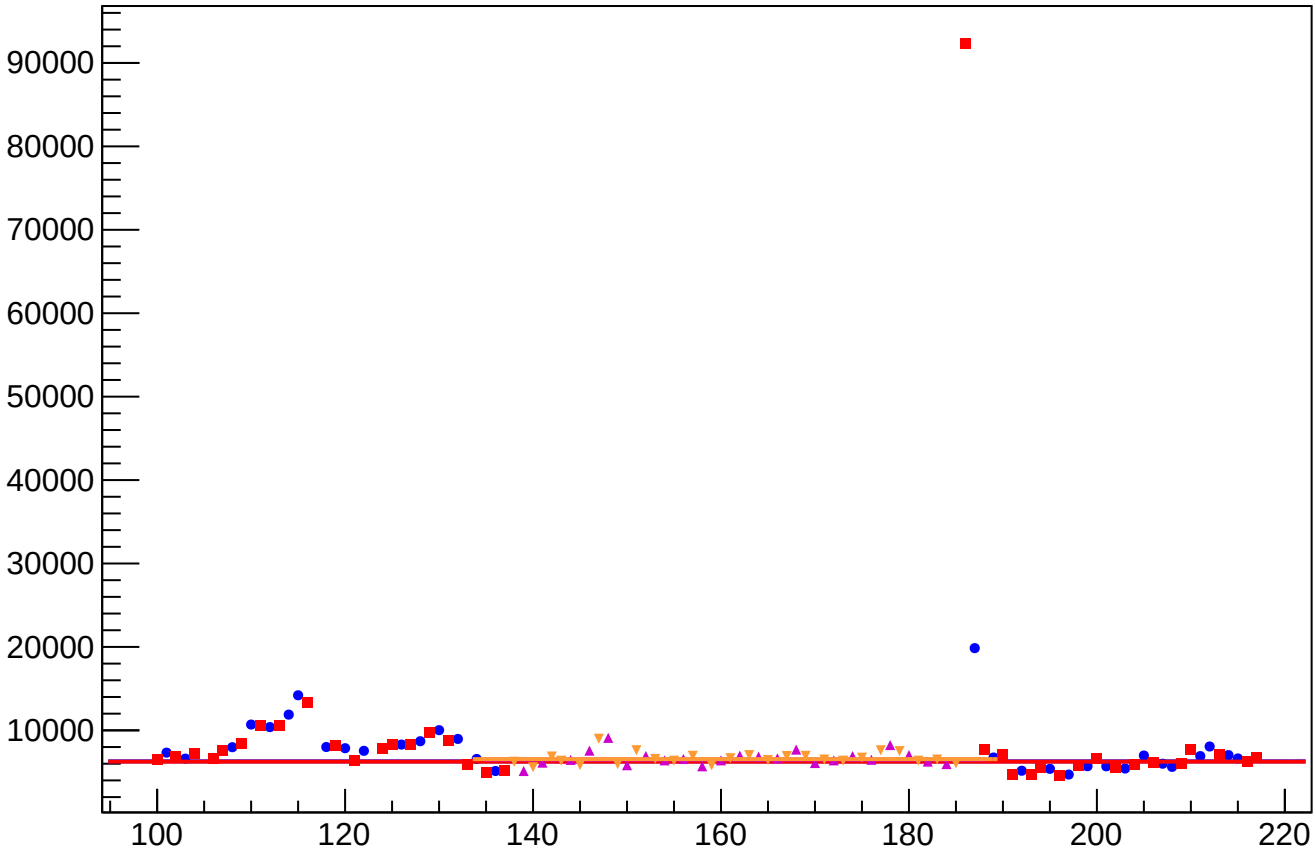
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -2.504+/-1.025 χ^2/NDF: 97.0/66

In: 0.593+/-1.063 χ^2/NDF:57.7/53

Out: -1.870+/-1.034 χ^2/NDF:96.7/60

All: -0.673+/-0.741 χ^2/NDF: 157.1/114



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: 6249.561+/-1.009 χ^2/NDF: 2399908.3/35

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

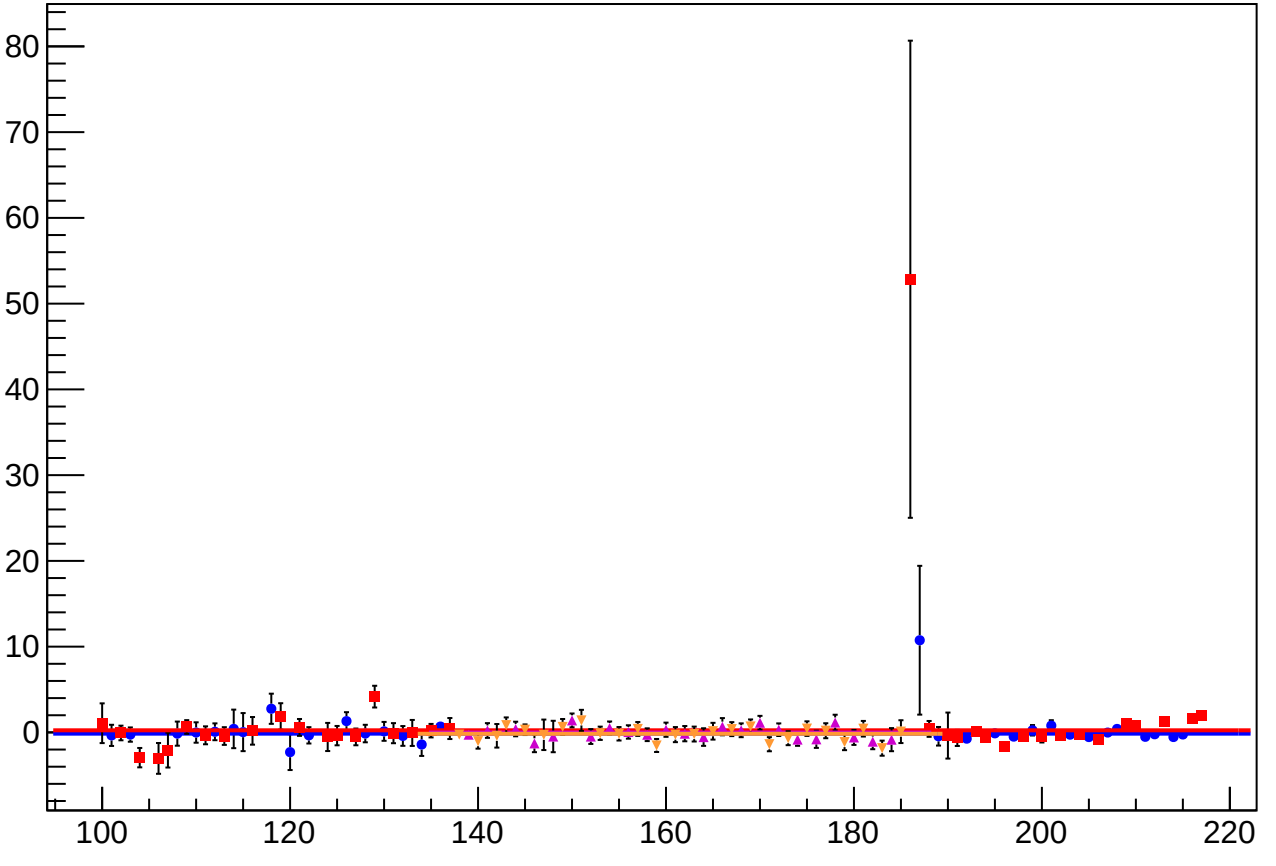
Right: 6265.602+/-0.725 χ^2/NDF: 4166315.6/66

In: 6389.425+/-0.752 χ^2/NDF:2303208.5/53

Out: 6391.768+/-0.731 χ^2/NDF:2807776.5/60

All: 6390.629+/-0.524 χ^2/NDF: 5110990.0/11

diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected



Right In: -0.146+/-0.121 χ^2/NDF: 18.8/30

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.244+/-0.120 χ^2/NDF: 91.1/35

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

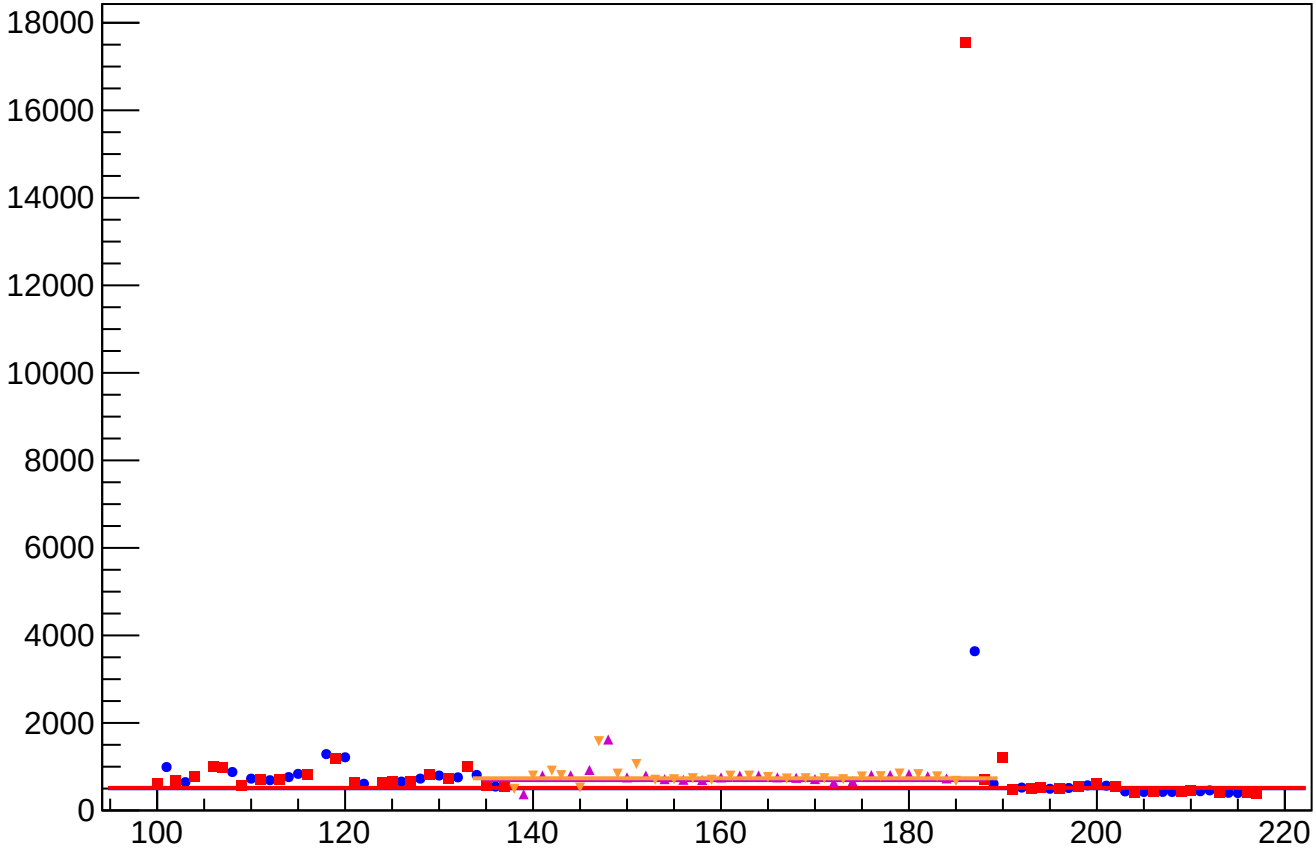
Right: 0.050+/-0.085 χ^2/NDF: 115.1/66

In: -0.102+/-0.098 χ^2/NDF:34.4/53

Out: 0.111+/-0.099 χ^2/NDF:113.8/60

All: 0.004+/-0.070 χ^2/NDF: 150.6/114

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: 515.593+/-0.085 χ^2/NDF: 3225458.5/35

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

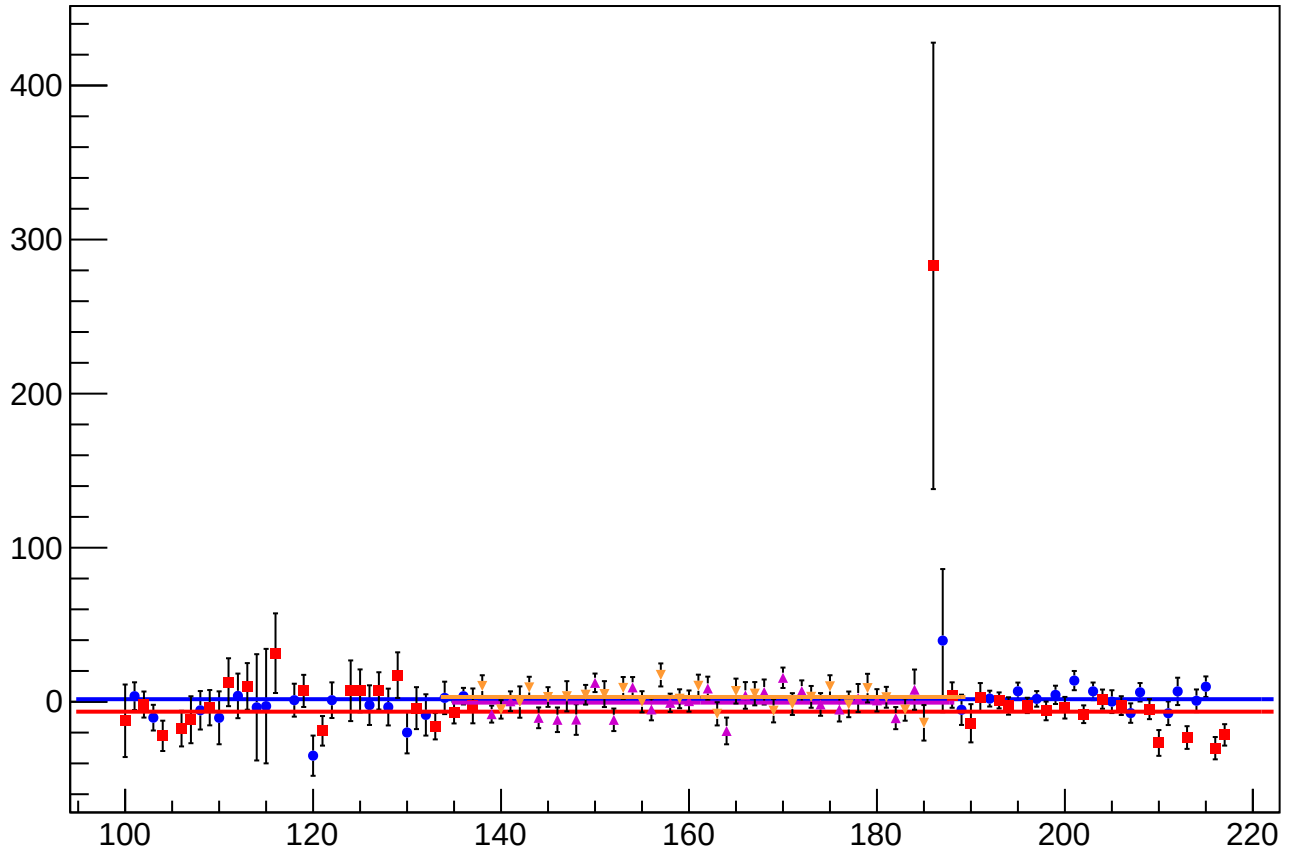
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 511.438+/-0.060 χ^2/NDF: 5968053.9/66

In: 570.532+/-0.070 χ^2/NDF:6579616.7/53

Out: 587.500+/-0.070 χ^2/NDF:6749652.5/60

All: 579.003+/-0.049 χ^2/NDF: 13358963.7/1



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: -6.419+/-1.400 χ^2/NDF: 57.8/35

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

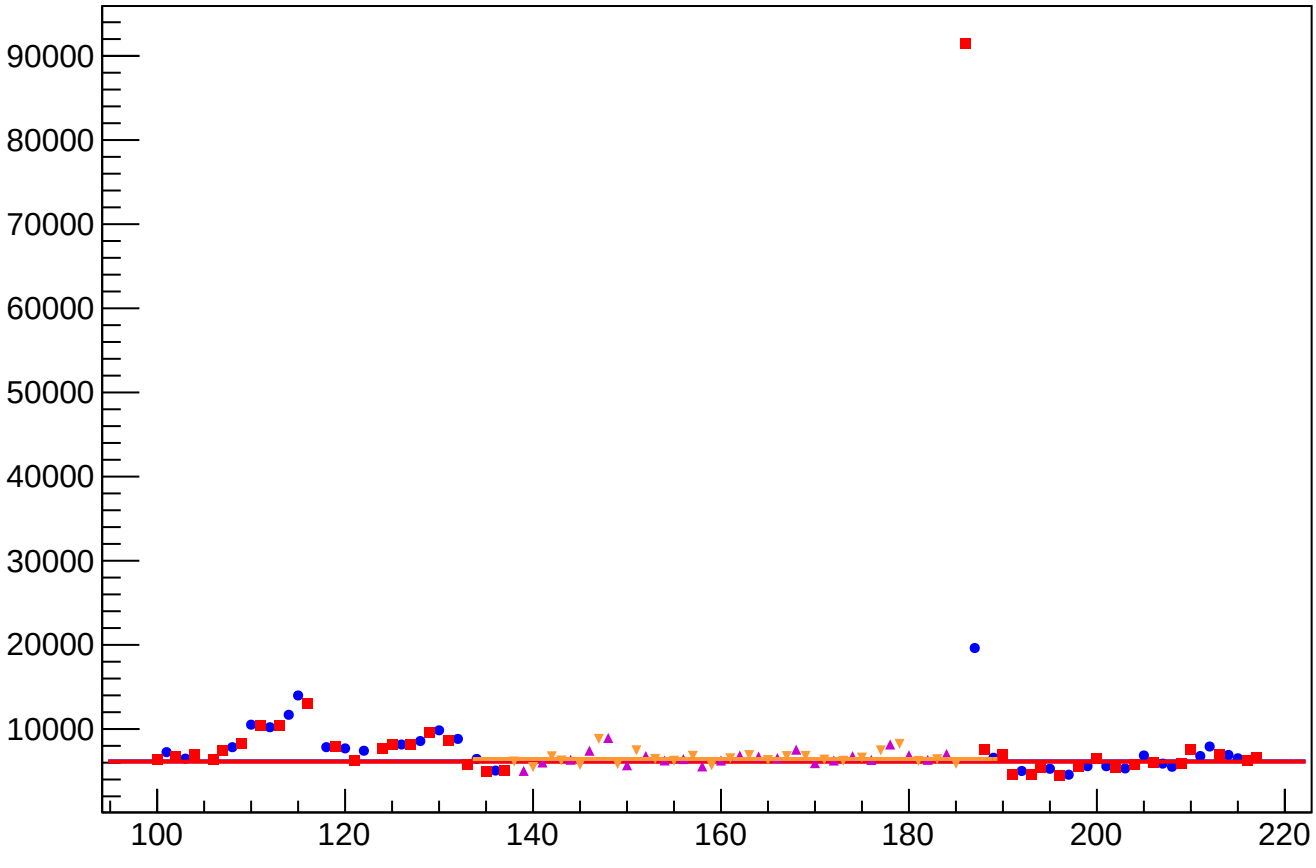
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -2.504+/-1.006 χ^2/NDF: 101.1/66

In: 0.613+/-1.045 χ^2/NDF:61.8/53

Out: -1.908+/-1.016 χ^2/NDF:98.5/60

All: -0.683+/-0.728 χ^2/NDF: 163.3/114



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: 6124.209+/-0.990 χ^2/NDF: 2426834.0/35

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

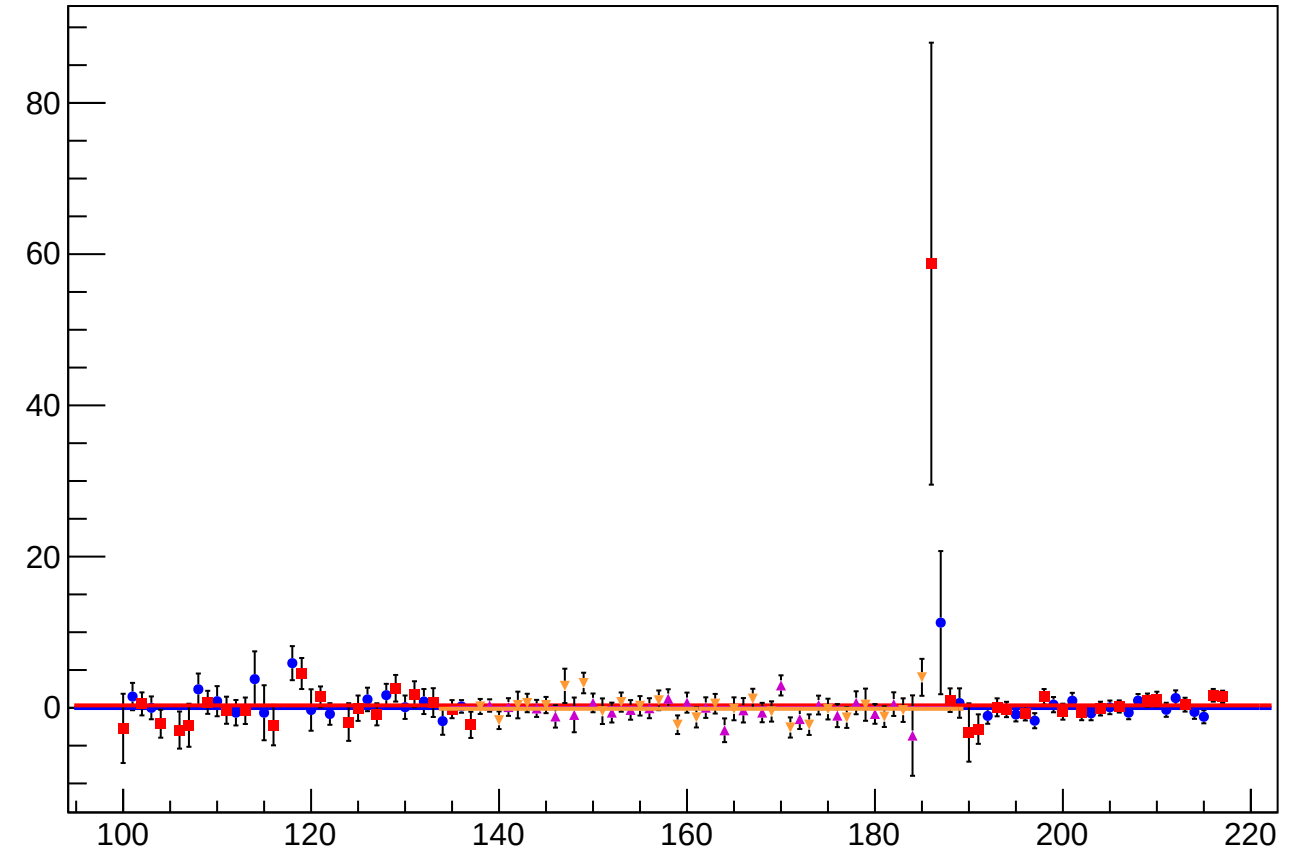
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6140.719+/-0.711 χ^2/NDF: 4225416.0/66

In: 6276.269+/-0.739 χ^2/NDF:2350922.9/53

Out: 6271.503+/-0.718 χ^2/NDF:2890944.6/60

All: 6273.818+/-0.515 χ^2/NDF: 5241888.9/11



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: 0.322+/-0.215 χ^2/NDF: 35.3/35

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

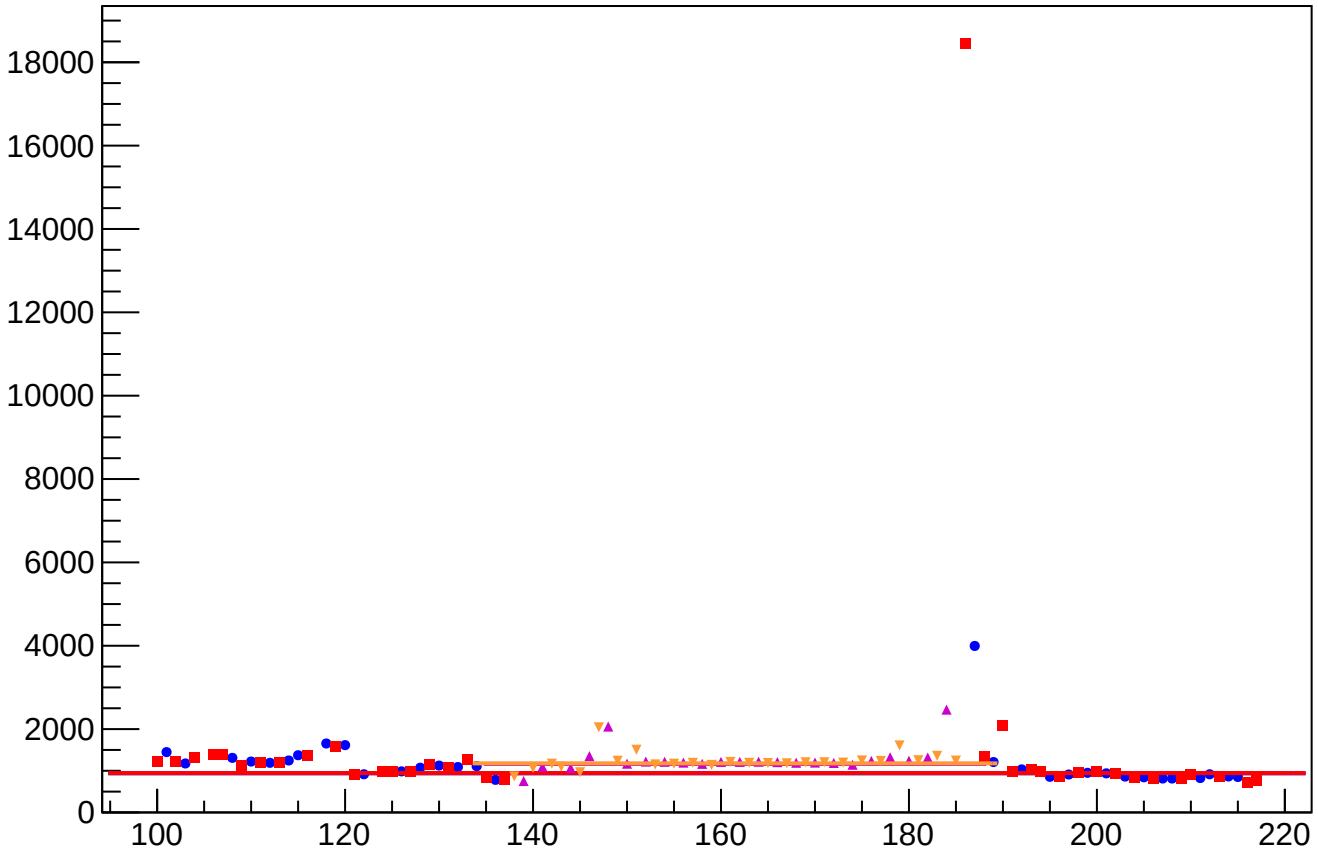
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.150+/-0.153 χ^2/NDF: 63.9/66

In: -0.028+/-0.172 χ^2/NDF:41.7/53

Out: 0.152+/-0.169 χ^2/NDF:63.9/60

All: 0.063+/-0.121 χ^2/NDF: 106.2/114



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: 945.039+/-0.152 χ^2/NDF: 2198544.3/35

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

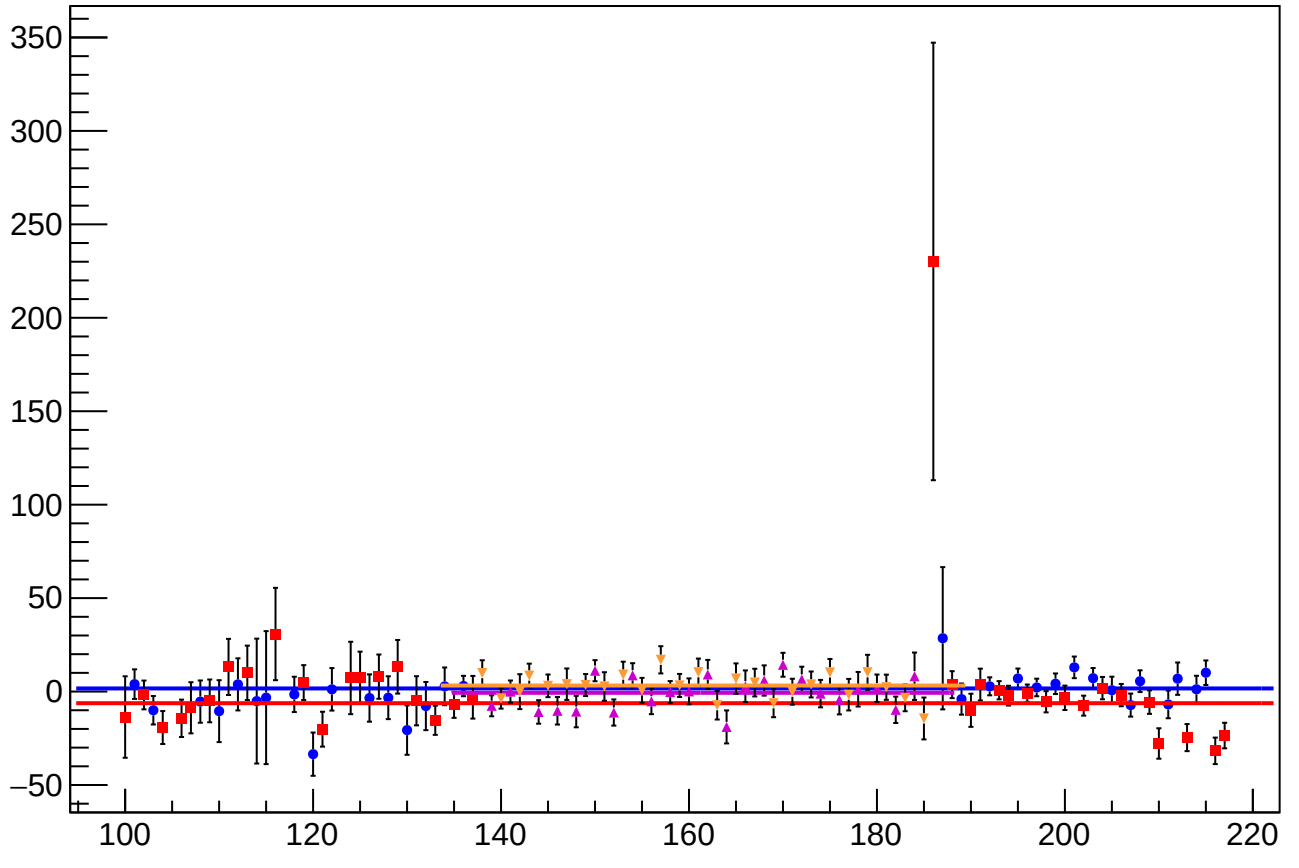
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 942.063+/-0.109 χ^2/NDF: 3536964.1/66

In: 1024.802+/-0.122 χ^2/NDF:3195422.8/53

Out: 1034.124+/-0.120 χ^2/NDF:3893824.1/60

All: 1029.544+/-0.085 χ^2/NDF: 7092231.9/11



Right In: 1.669+/-1.372 χ^2/NDF: 29.5/30

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -6.221+/-1.318 χ^2/NDF: 65.3/35

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

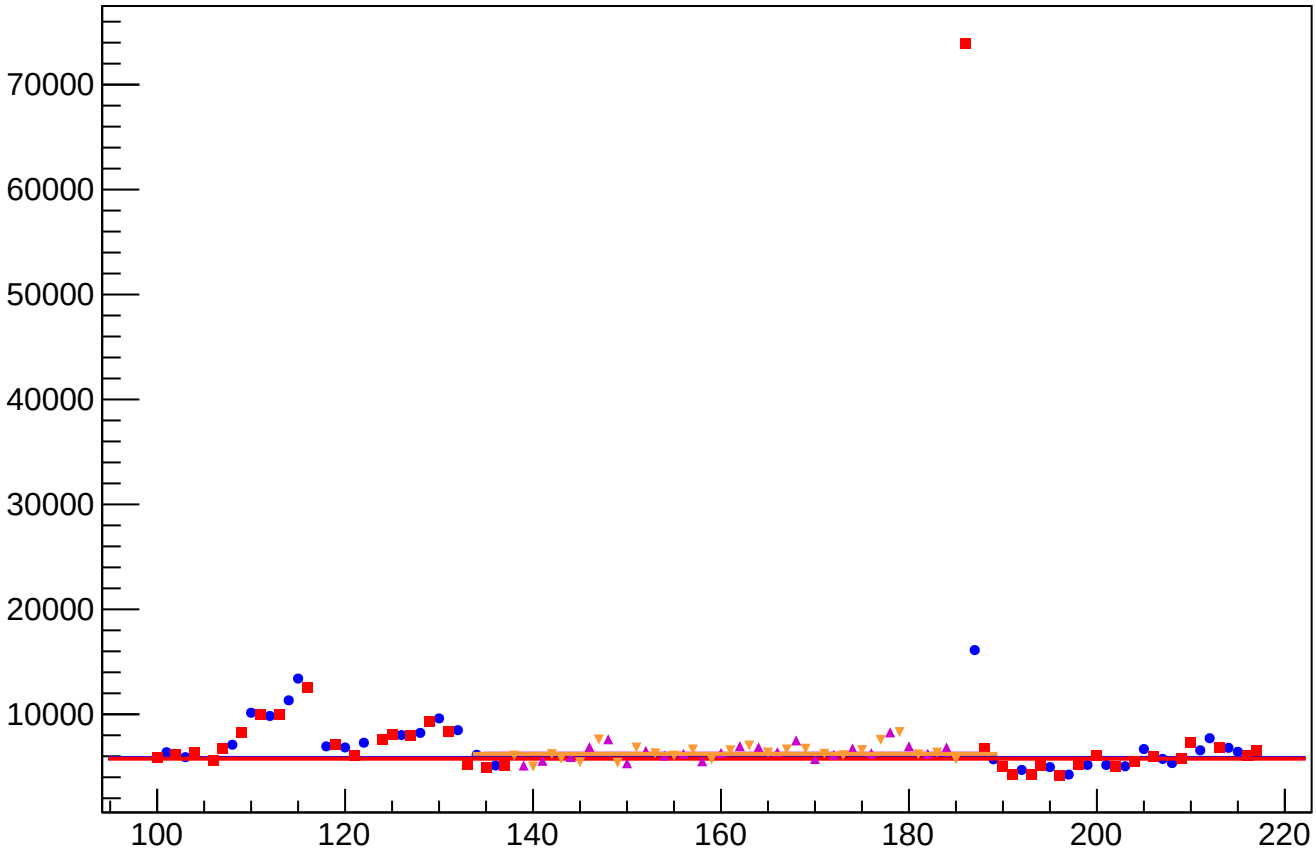
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -2.433+/-0.951 χ^2/NDF: 112.0/66

In: 0.585+/-1.004 χ^2/NDF:63.2/53

Out: -1.876+/-0.969 χ^2/NDF:106.8/60

All: -0.689+/-0.697 χ^2/NDF: 173.1/114



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: 5769.277+/-0.932 χ^2/NDF: 2508394.8/35

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

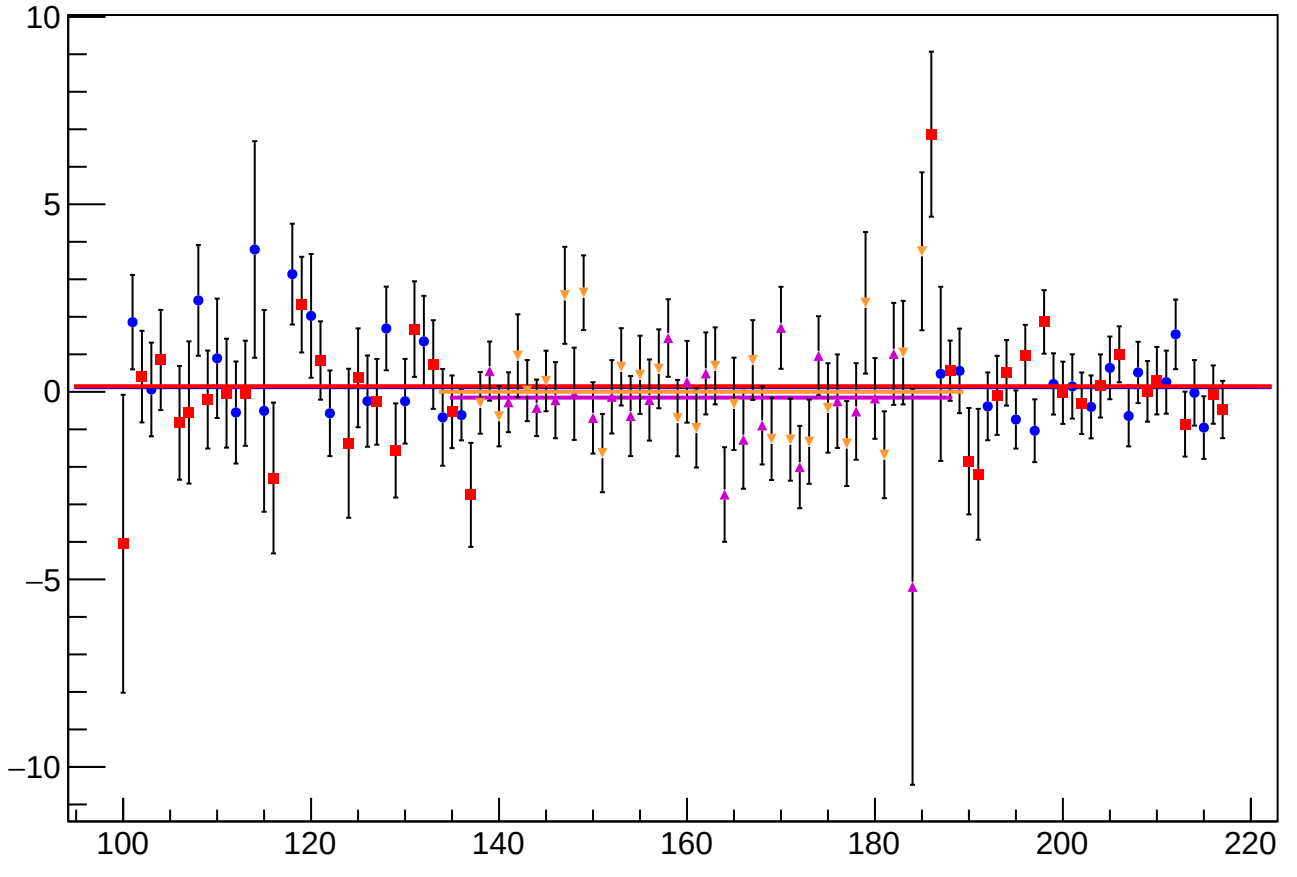
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5804.373+/-0.672 χ^2/NDF: 4339661.1/66

In: 6030.162+/-0.710 χ^2/NDF:2393978.5/53

Out: 5980.389+/-0.685 χ^2/NDF:3090853.9/60

All: 6004.392+/-0.493 χ^2/NDF: 5487376.4/11



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: 0.149+/-0.177 χ^2/NDF: 38.5/35

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

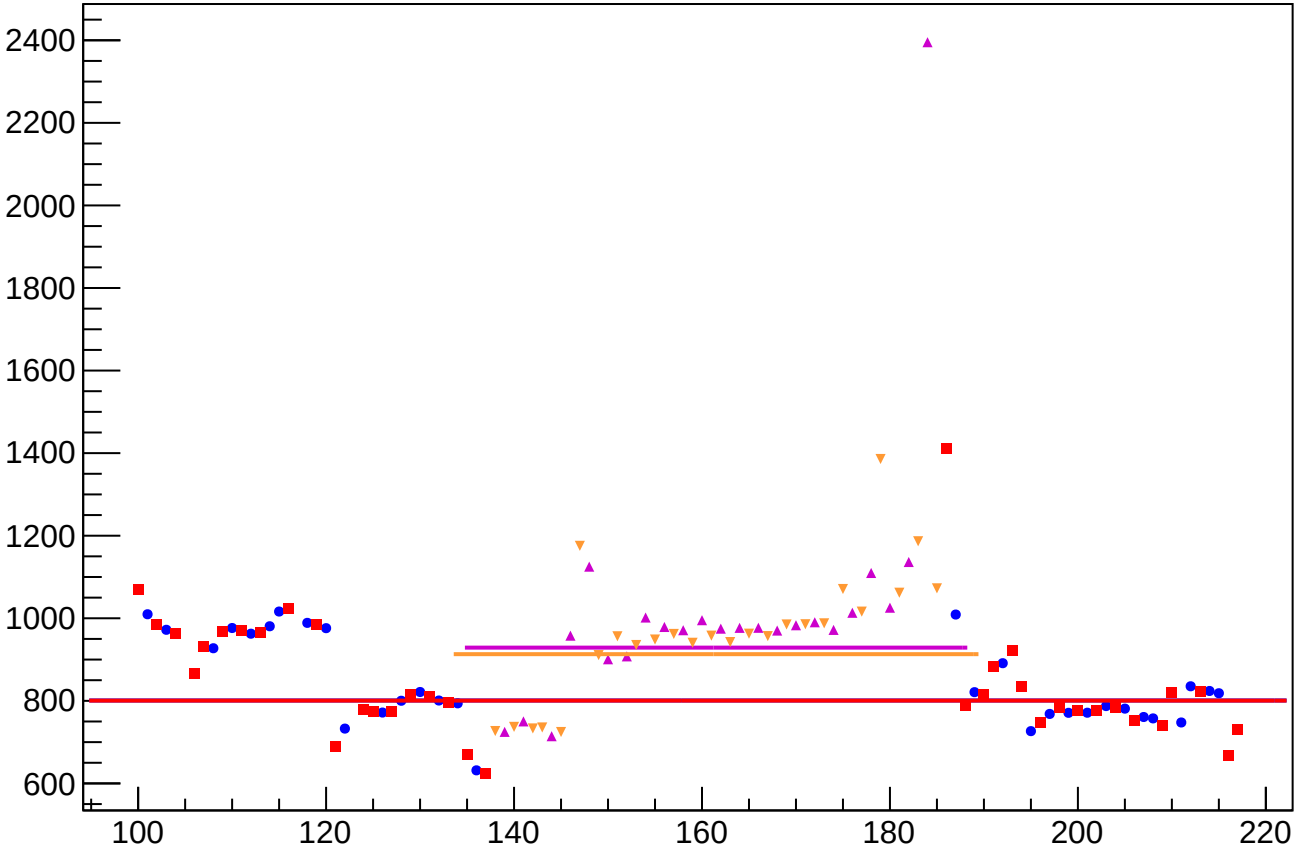
Right: 0.137+/-0.128 χ^2/NDF: 66.2/66

In: 0.011+/-0.141 χ^2/NDF:47.0/53

Out: 0.089+/-0.136 χ^2/NDF:70.4/60

All: 0.051+/-0.098 χ^2/NDF: 117.6/114

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 800.904+/-0.130 χ^2/NDF: 465204.5/30

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 800.609+/-0.125 χ^2/NDF: 644899.2/35

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

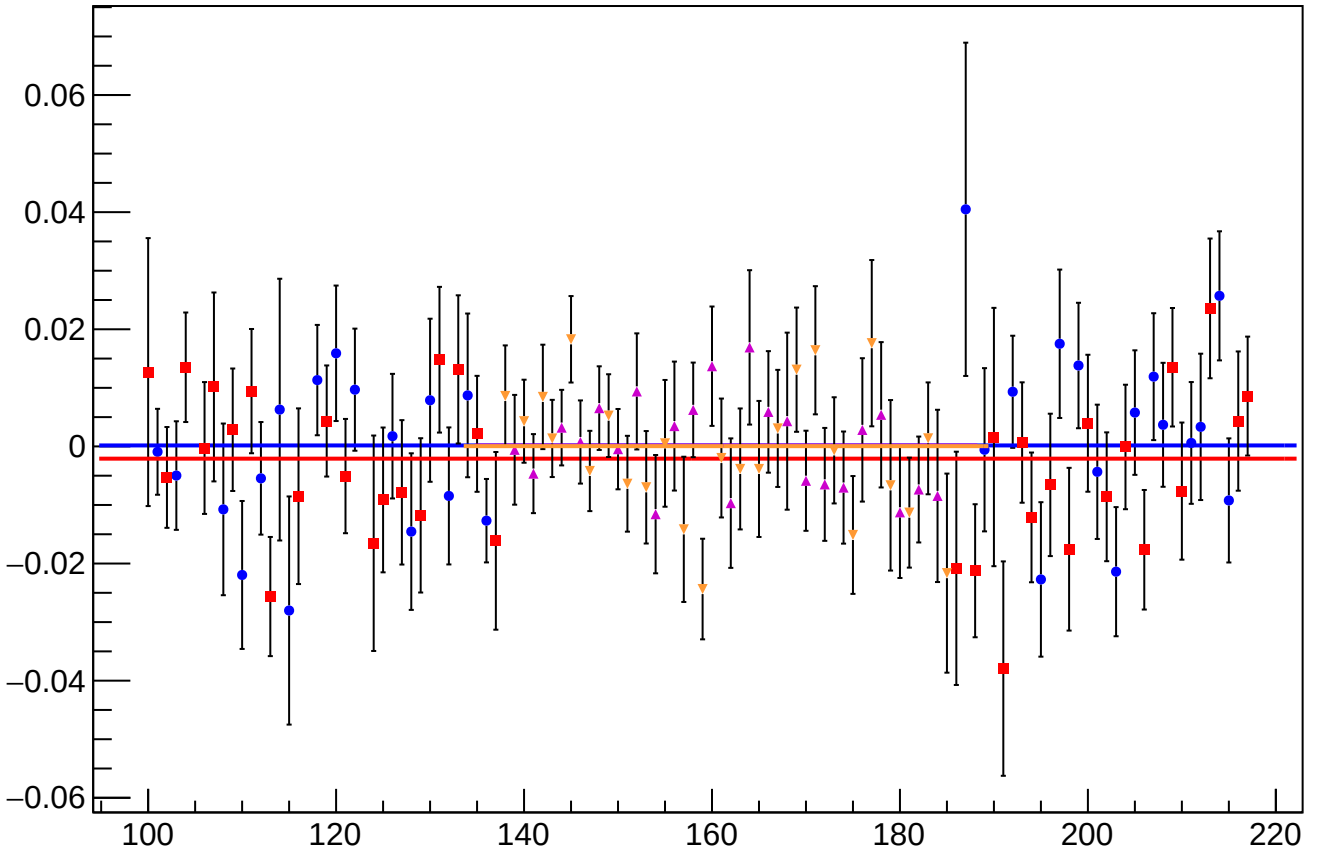
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 800.752+/-0.090 χ^2/NDF: 1110106.4/66

In: 853.129+/-0.100 χ^2/NDF:1631271.9/53

Out: 846.956+/-0.096 χ^2/NDF:1865212.0/60

All: 849.928+/-0.069 χ^2/NDF: 3498466.1/114



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: -0.002+/-0.002 χ^2/NDF: 38.9/35

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

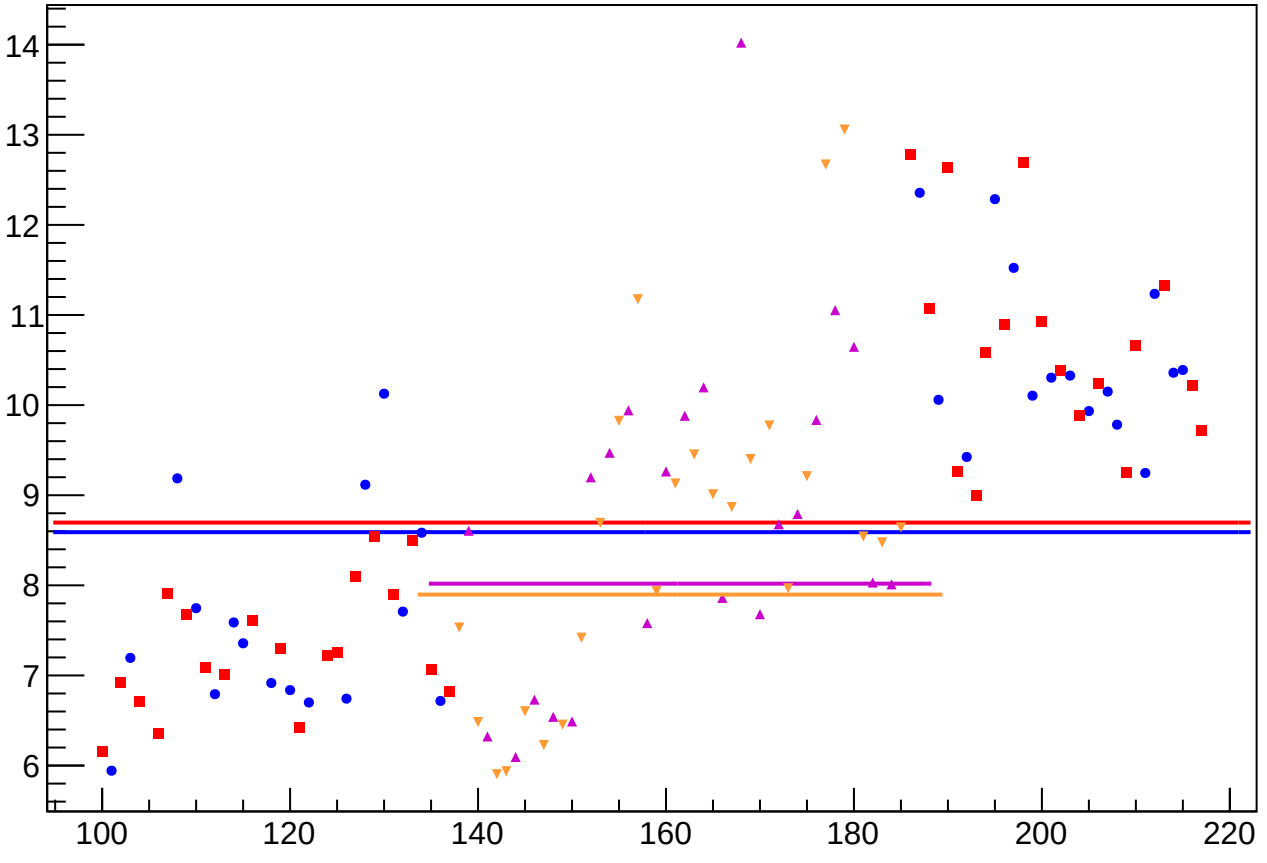
Right: -0.001+/-0.001 χ^2/NDF: 77.0/66

In: 0.000+/-0.001 χ^2/NDF:50.3/53

Out: -0.001+/-0.001 χ^2/NDF:70.7/60

All: -0.000+/-0.001 χ^2/NDF: 121.3/114

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: 8.697+/-0.001 χ^2/NDF: 1641758.2/35

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

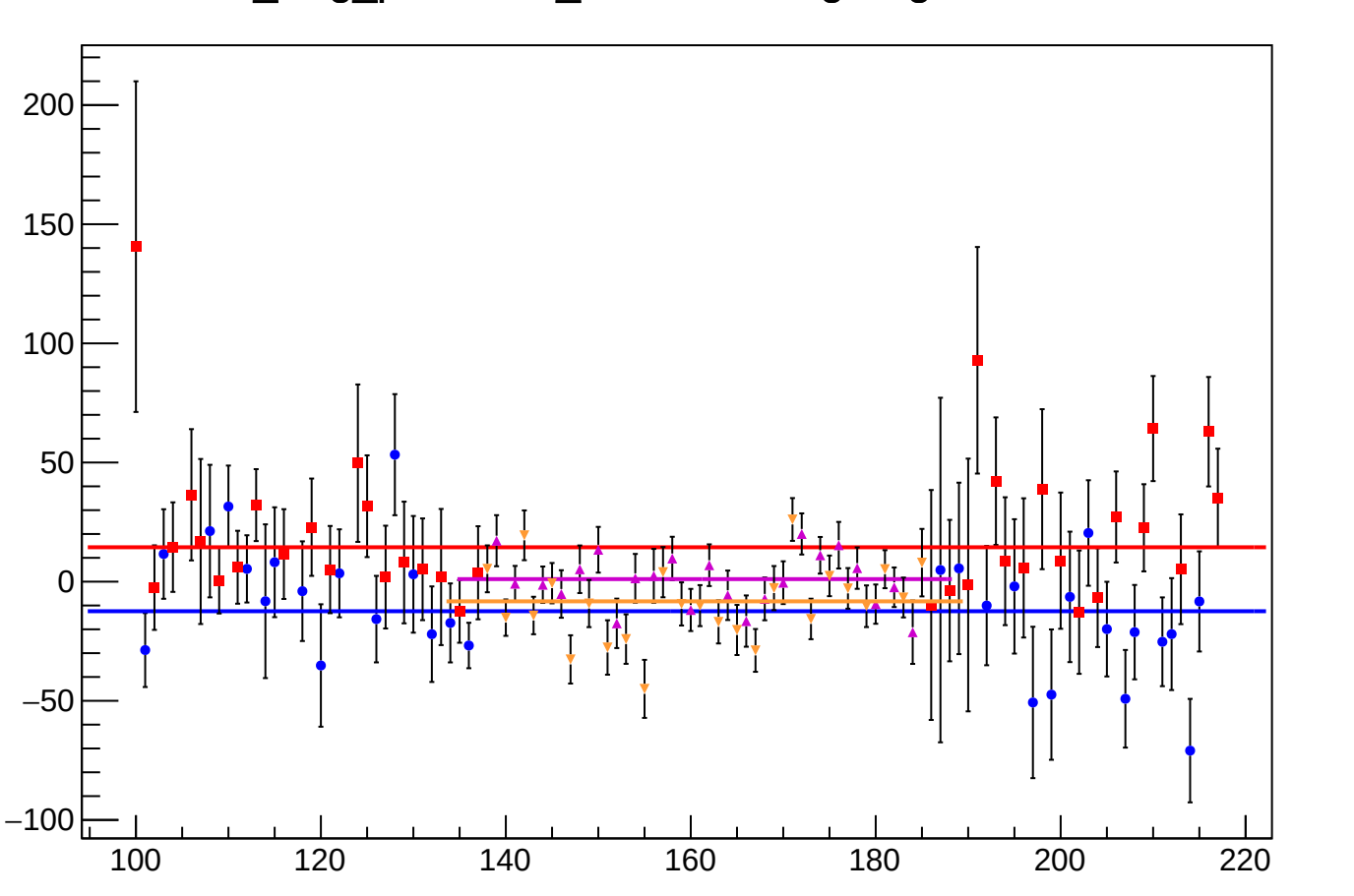
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.645+/-0.001 χ^2/NDF: 3233433.1/66

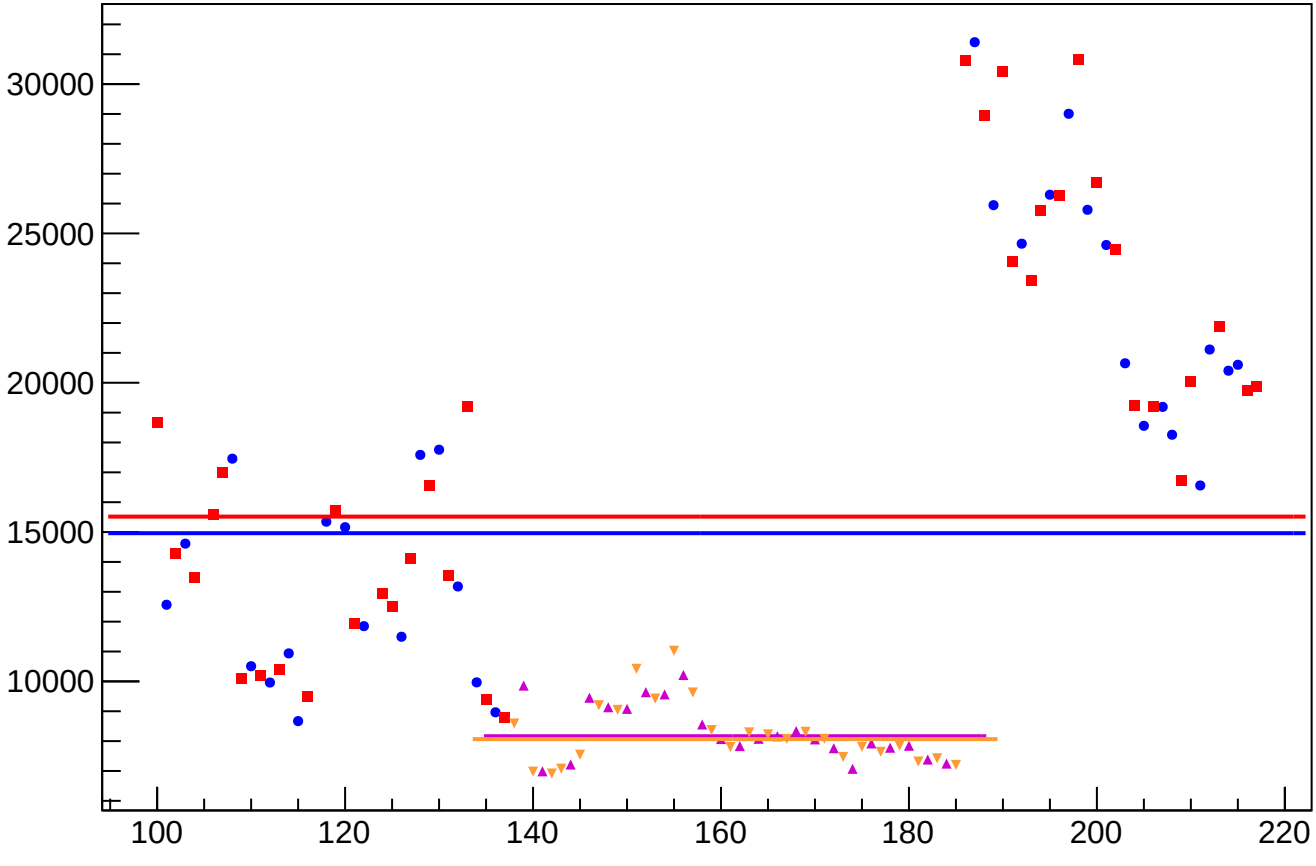
In: 8.292+/-0.001 χ^2/NDF:3129452.6/53

Out: 8.273+/-0.001 χ^2/NDF:3409367.5/60

All: 8.282+/-0.001 χ^2/NDF: 6539005.1/114


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: 14.433+/-3.648 χ²/NDF: 33.8/35
Left In: 1.072+/-1.921 χ²/NDF:28.8/22
Left: -3.769+/-1.332 χ²/NDF: 103.2/47
Right: 0.963+/-2.575 χ²/NDF: 102.7/66
In: -1.871+/-1.698 χ²/NDF:81.4/53
Out: -3.617+/-1.650 χ²/NDF:126.7/60
All: -2.770+/-1.183 χ²/NDF: 208.6/114

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 14962.379+/-2.570 χ^2/NDF: 4422217.2/30

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 15517.620+/-2.580 χ^2/NDF: 4952502.9/35

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

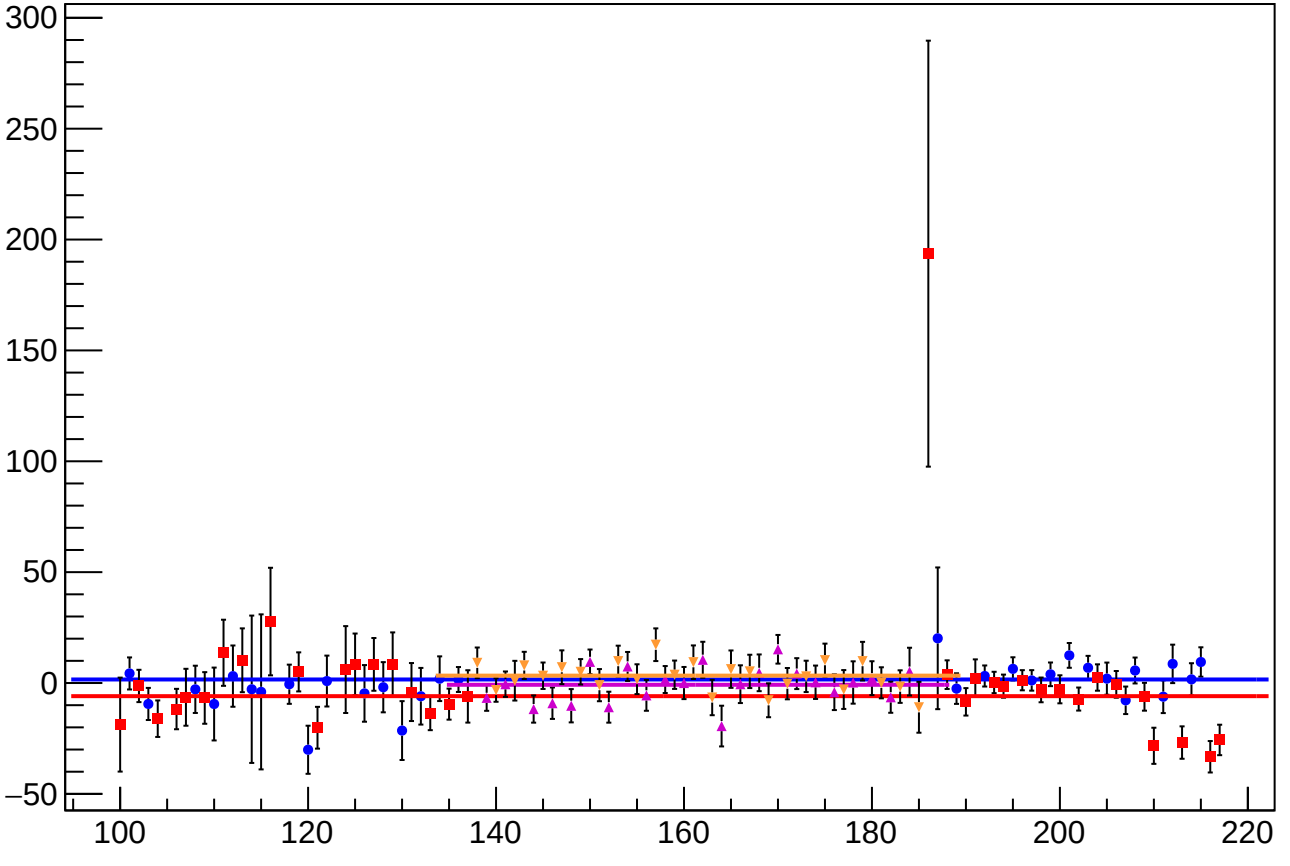
Right: 15238.944+/-1.821 χ^2/NDF: 9397972.3/66

In: 9647.988+/-1.201 χ^2/NDF:10325694.6/53

Out: 9590.066+/-1.166 χ^2/NDF:12087575.6/60

All: 9618.185+/-0.837 χ^2/NDF: 22414467.3/

diff_targ_positionY_mean vs Slug, Sign Corrected



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: -5.927+/-1.280 χ^2/NDF: 71.5/35

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

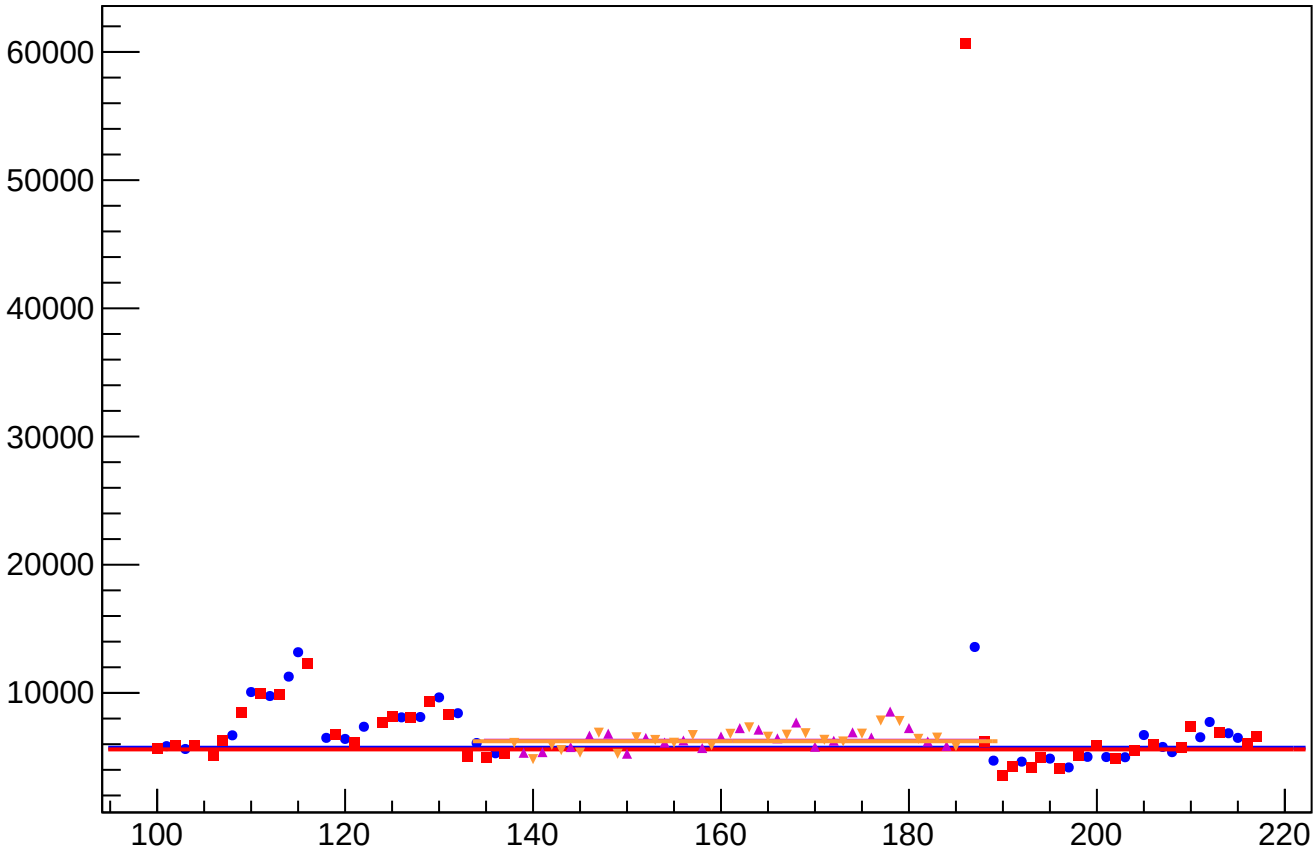
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -2.349+/-0.927 χ^2/NDF: 115.9/66

In: 0.514+/-0.995 χ^2/NDF:58.8/53

Out: -1.810+/-0.954 χ^2/NDF:111.6/60

All: -0.697+/-0.689 χ^2/NDF: 173.3/114



Right In: 5724.048+/-0.951 χ^2/NDF: 1875803.6/30

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5593.419+/-0.905 χ^2/NDF: 2735060.0/35

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

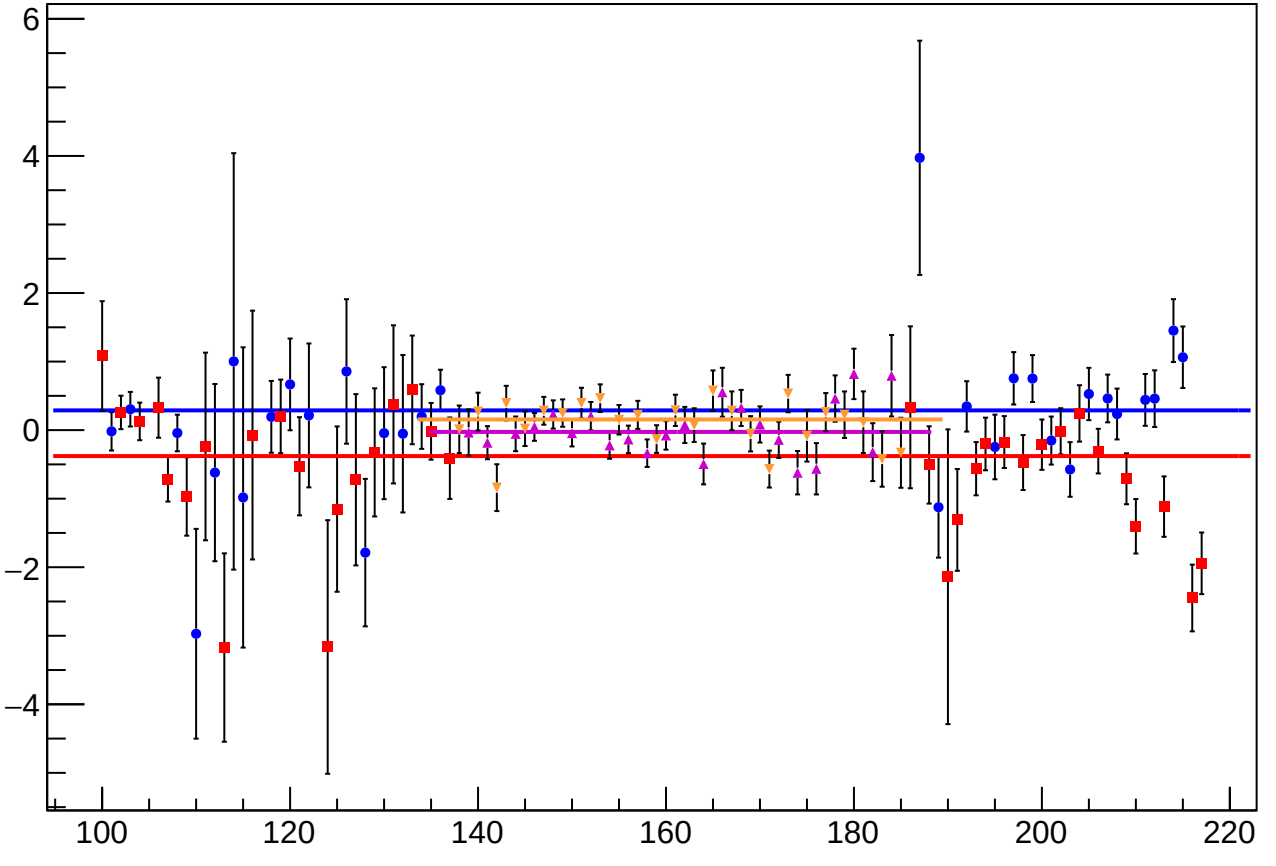
Right: 5655.530+/-0.656 χ^2/NDF: 4620762.4/66

In: 5971.573+/-0.703 χ^2/NDF:2530210.4/53

Out: 5876.963+/-0.675 χ^2/NDF:3488178.7/60

All: 5922.287+/-0.487 χ^2/NDF: 6027811.5/11

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: -0.379+/-0.079 χ^2/NDF: 76.7/35

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

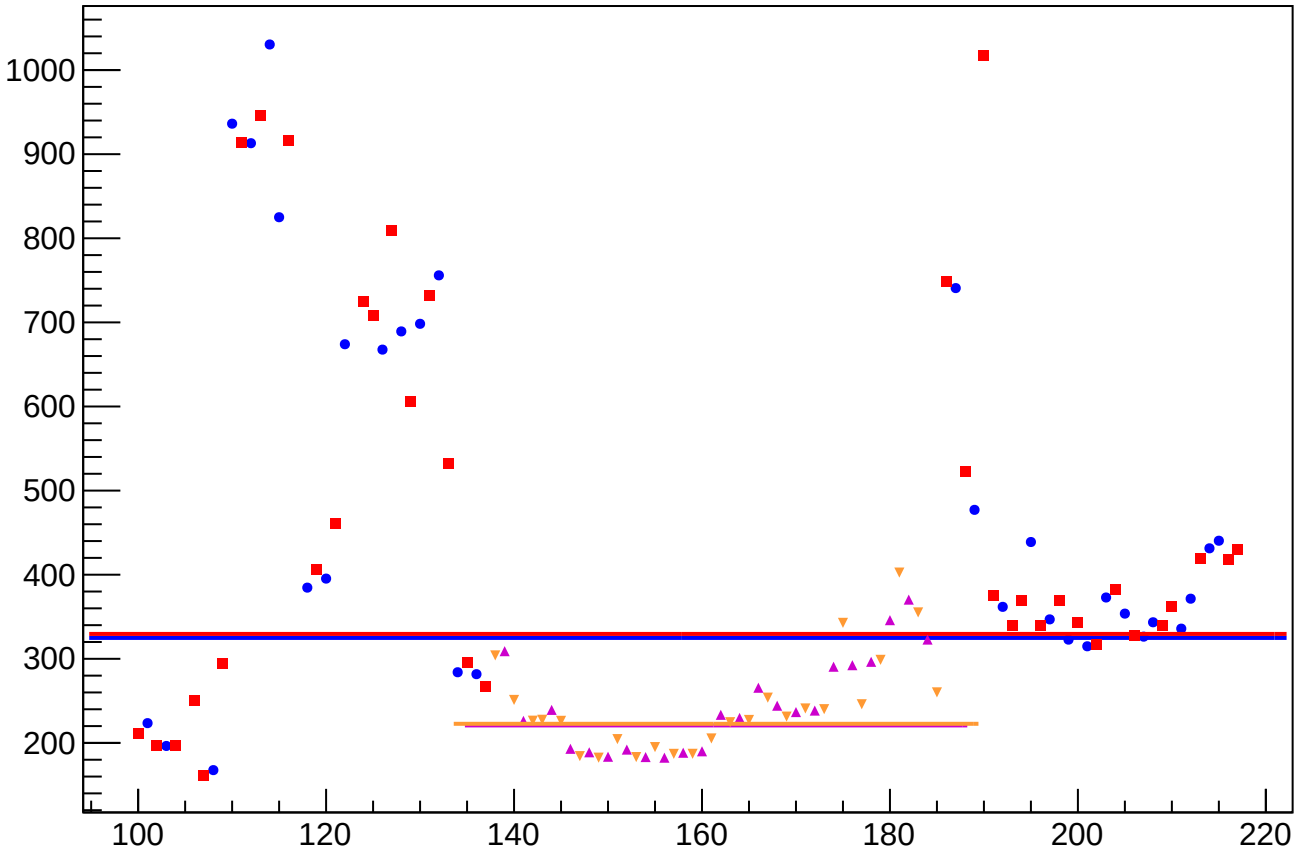
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: -0.048+/-0.056 χ^2/NDF: 155.7/66

In: 0.070+/-0.044 χ^2/NDF:84.1/53

Out: -0.007+/-0.043 χ^2/NDF:141.1/60

All: 0.031+/-0.031 χ^2/NDF: 226.7/114



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: 329.586+/-0.056 χ^2/NDF: 5002744.5/35

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

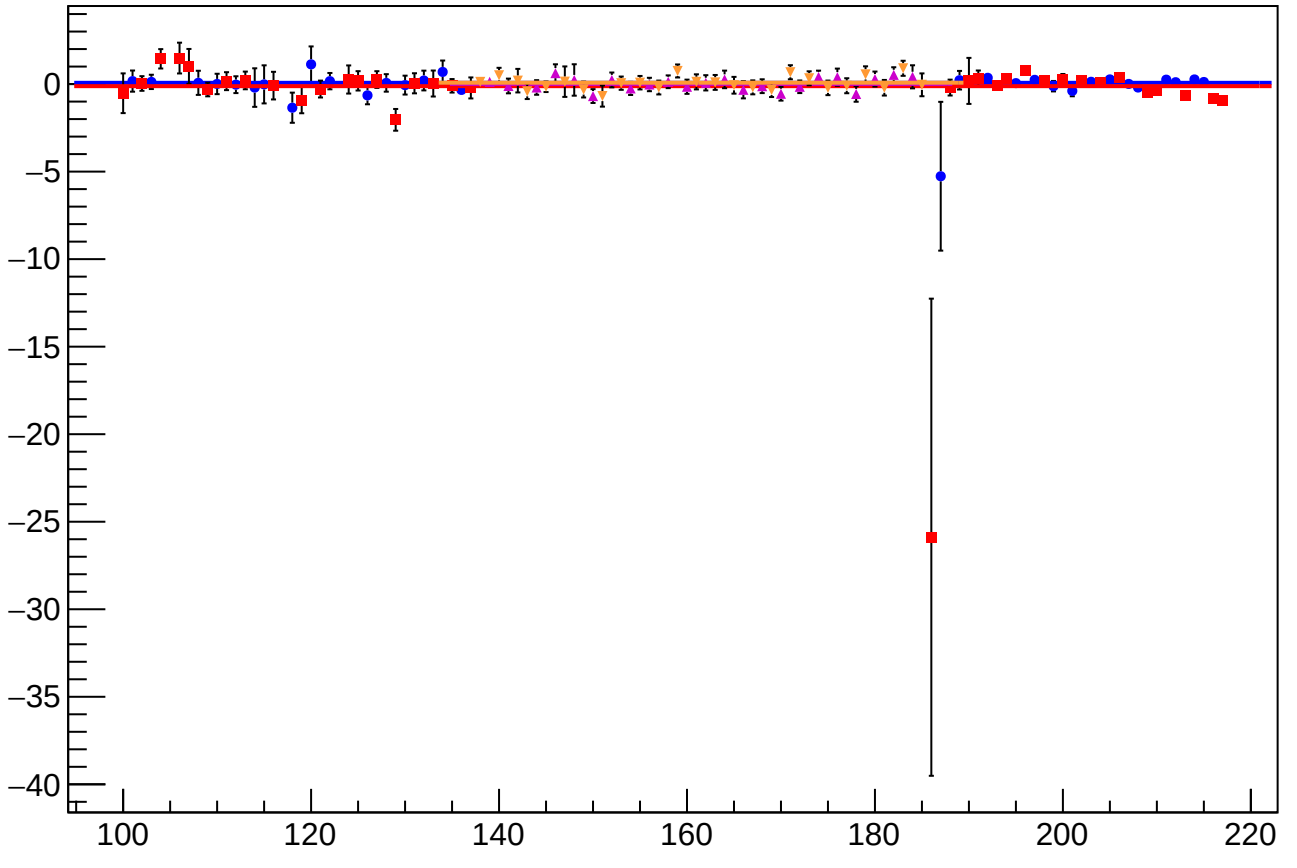
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 327.232+/-0.039 χ^2/NDF: 9440030.1/66

In: 252.874+/-0.031 χ^2/NDF:8283496.3/53

Out: 255.175+/-0.031 χ^2/NDF:9027541.0/60

All: 254.044+/-0.022 χ^2/NDF: 17313811.3/11



Right In: 0.072+/-0.059 χ^2/NDF: 18.8/30

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.119+/-0.059 χ^2/NDF: 91.1/35

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

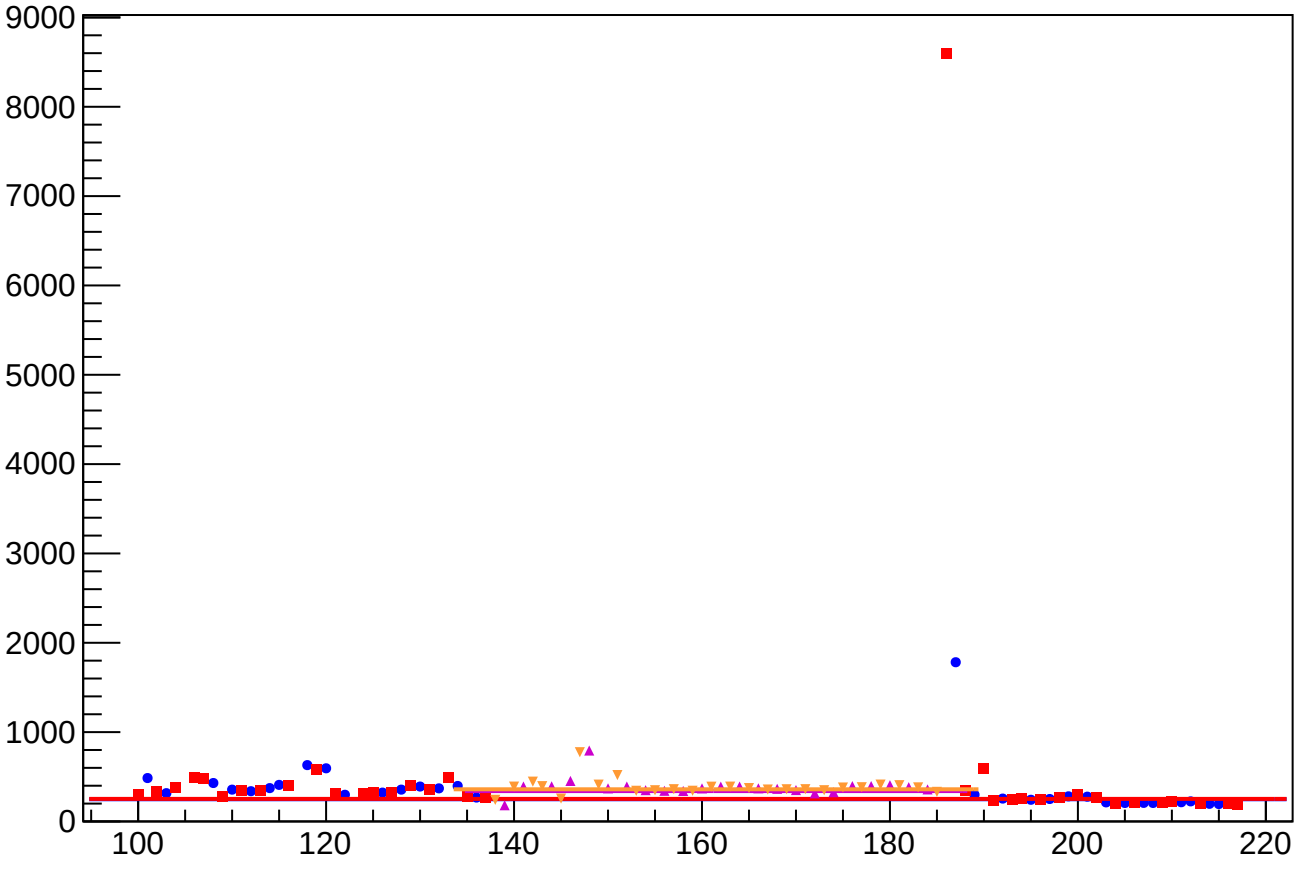
Right: -0.025+/-0.042 χ^2/NDF: 115.1/66

In: 0.050+/-0.048 χ^2/NDF:34.4/53

Out: -0.054+/-0.048 χ^2/NDF:113.8/60

All: -0.002+/-0.034 χ^2/NDF: 150.6/114

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: 252.556+/-0.042 χ^2/NDF: 3225458.5/35

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

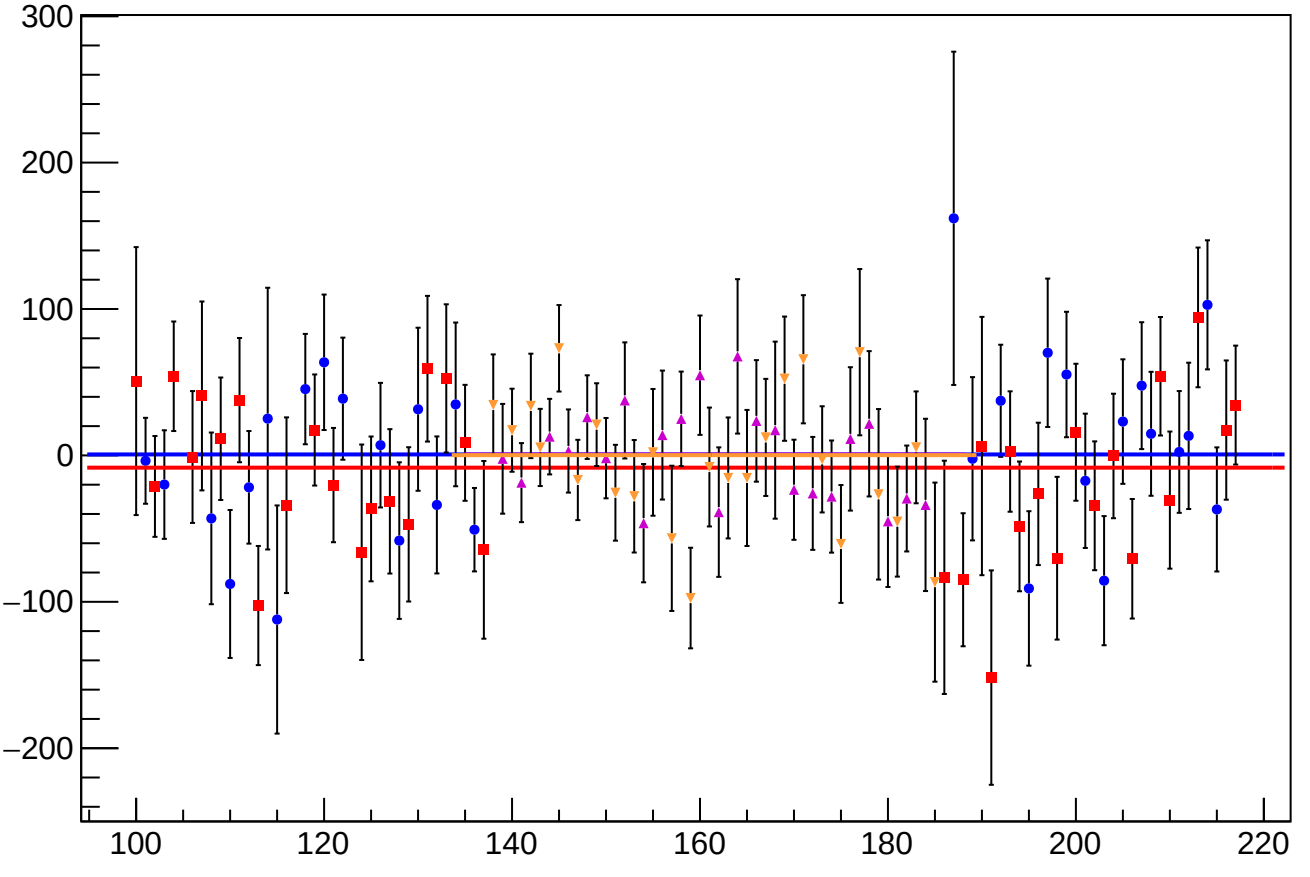
Right: 250.521+/-0.030 χ^2/NDF: 5968053.9/66

In: 279.467+/-0.034 χ^2/NDF:6579616.7/53

Out: 287.778+/-0.034 χ^2/NDF:6749652.5/60

All: 283.617+/-0.024 χ^2/NDF: 13358963.7/11

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: -8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

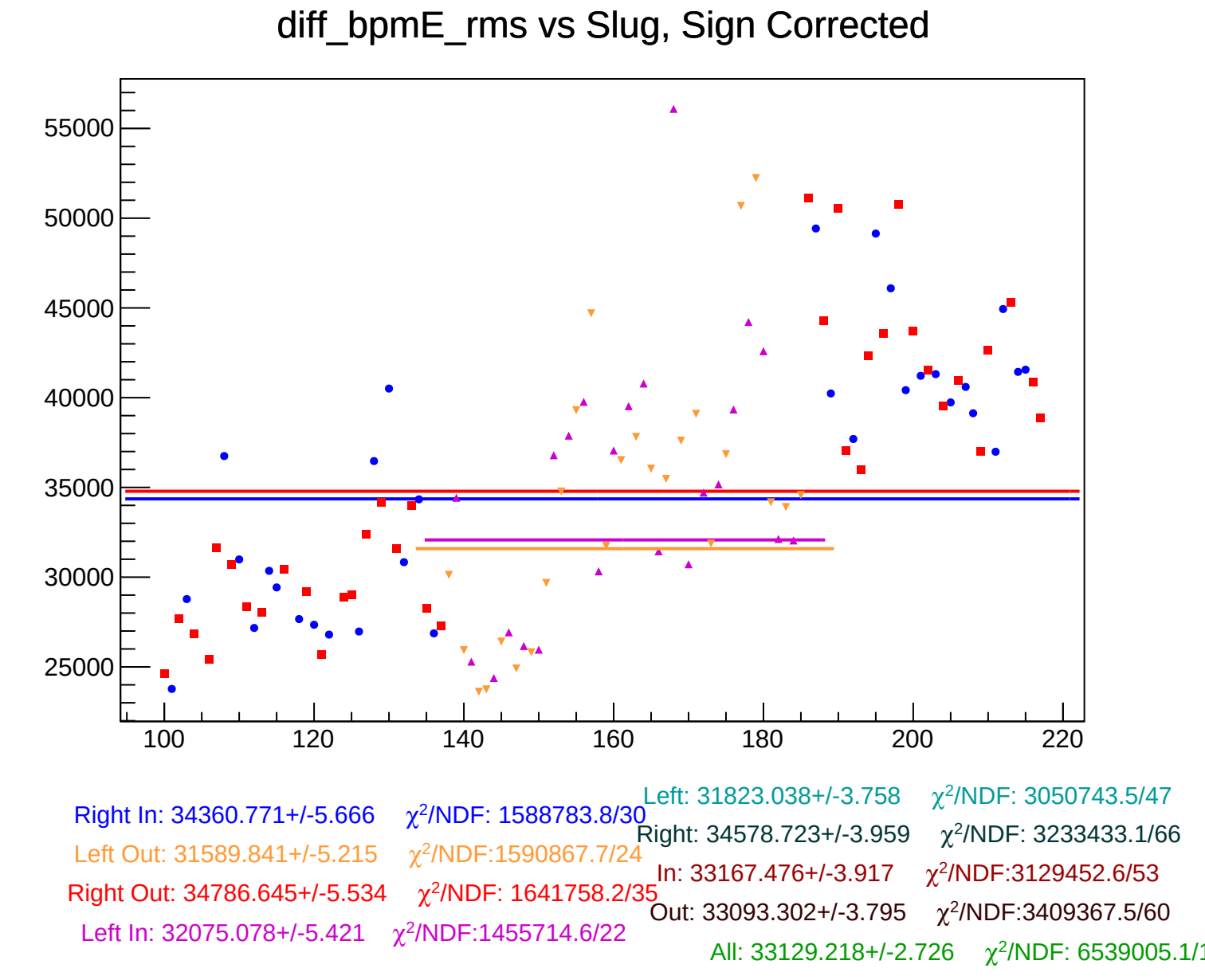
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

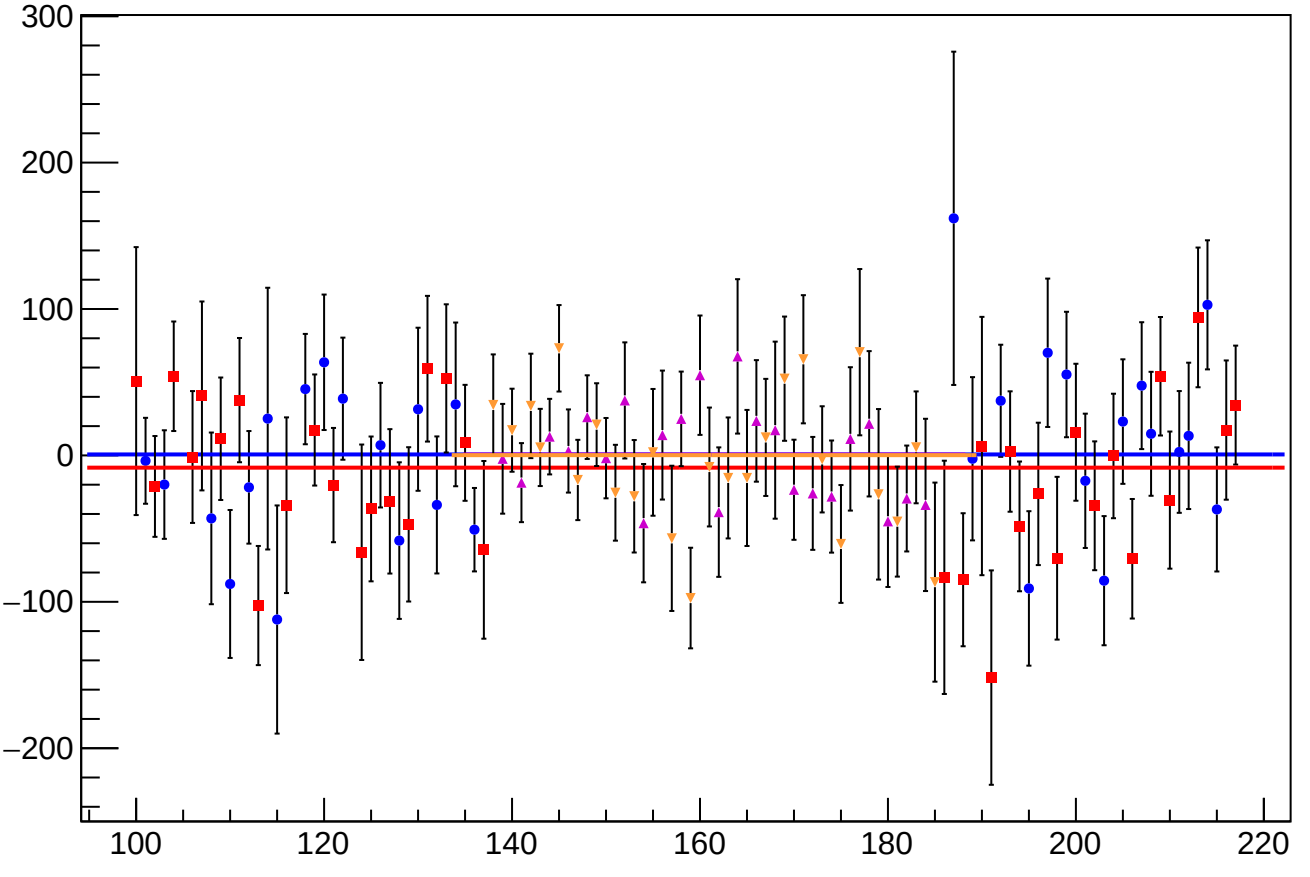
Right: -3.958+/-5.599 χ^2/NDF: 77.0/66

In: 0.623+/-5.540 χ^2/NDF:50.3/53

Out: -3.845+/-5.367 χ^2/NDF:70.7/60

All: -1.682+/-3.855 χ^2/NDF: 121.3/114


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: 34786.645+/-5.534 χ²/NDF: 1641758.2/35
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34578.723+/-3.959 χ²/NDF: 3233433.1/66
In: 33167.476+/-3.917 χ²/NDF:3129452.6/53
Out: 33093.302+/-3.795 χ²/NDF:3409367.5/60
All: 33129.218+/-2.726 χ²/NDF: 6539005.1/1



Right In: 0.663+/-8.013 χ^2/NDF: 37.5/30

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

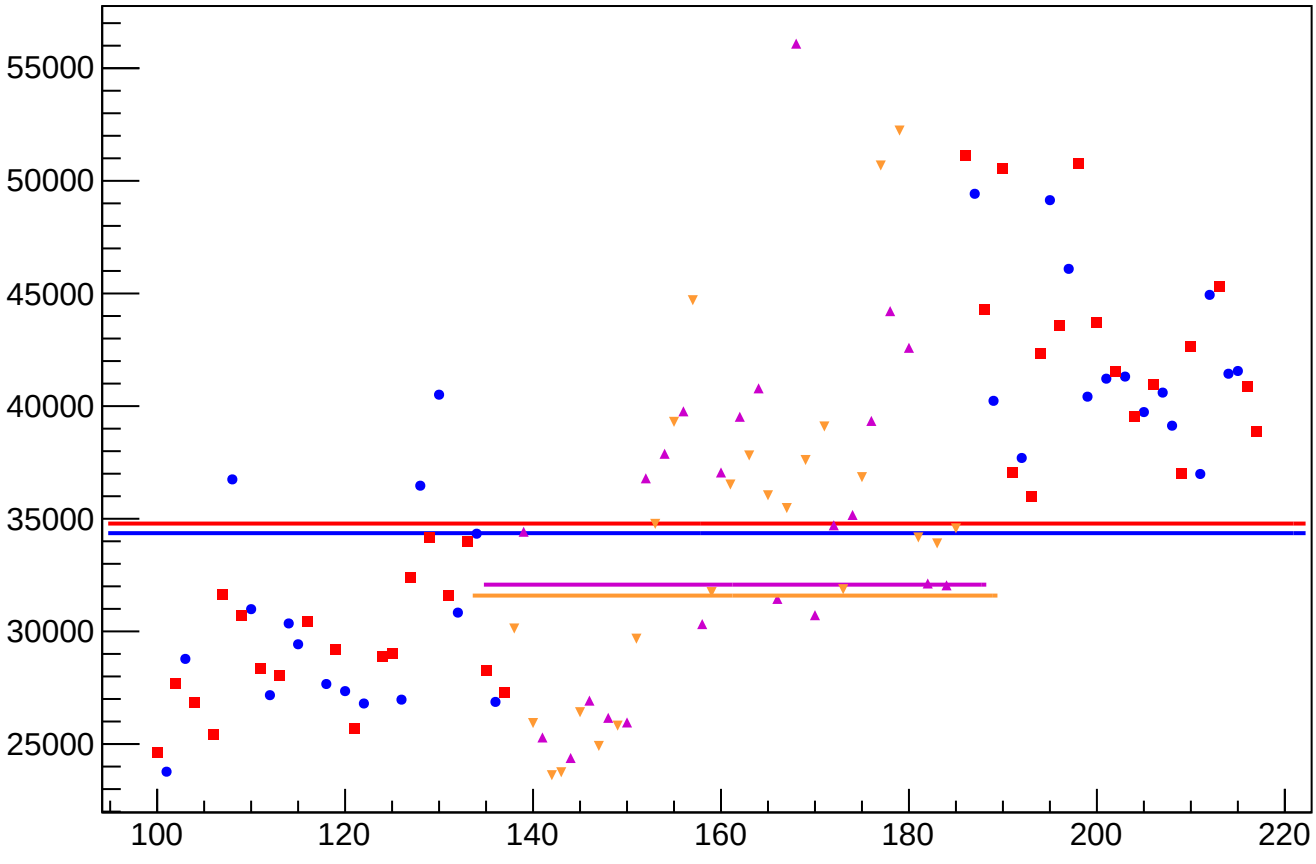
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -3.958+/-5.599 χ^2/NDF: 77.0/66

In: 0.623+/-5.540 χ^2/NDF:50.3/53

Out: -3.845+/-5.367 χ^2/NDF:70.7/60

All: -1.682+/-3.855 χ^2/NDF: 121.3/114



Right In: 34360.771+/-5.666 χ^2/NDF: 1588783.8/30

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34786.645+/-5.534 χ^2/NDF: 1641758.2/35

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

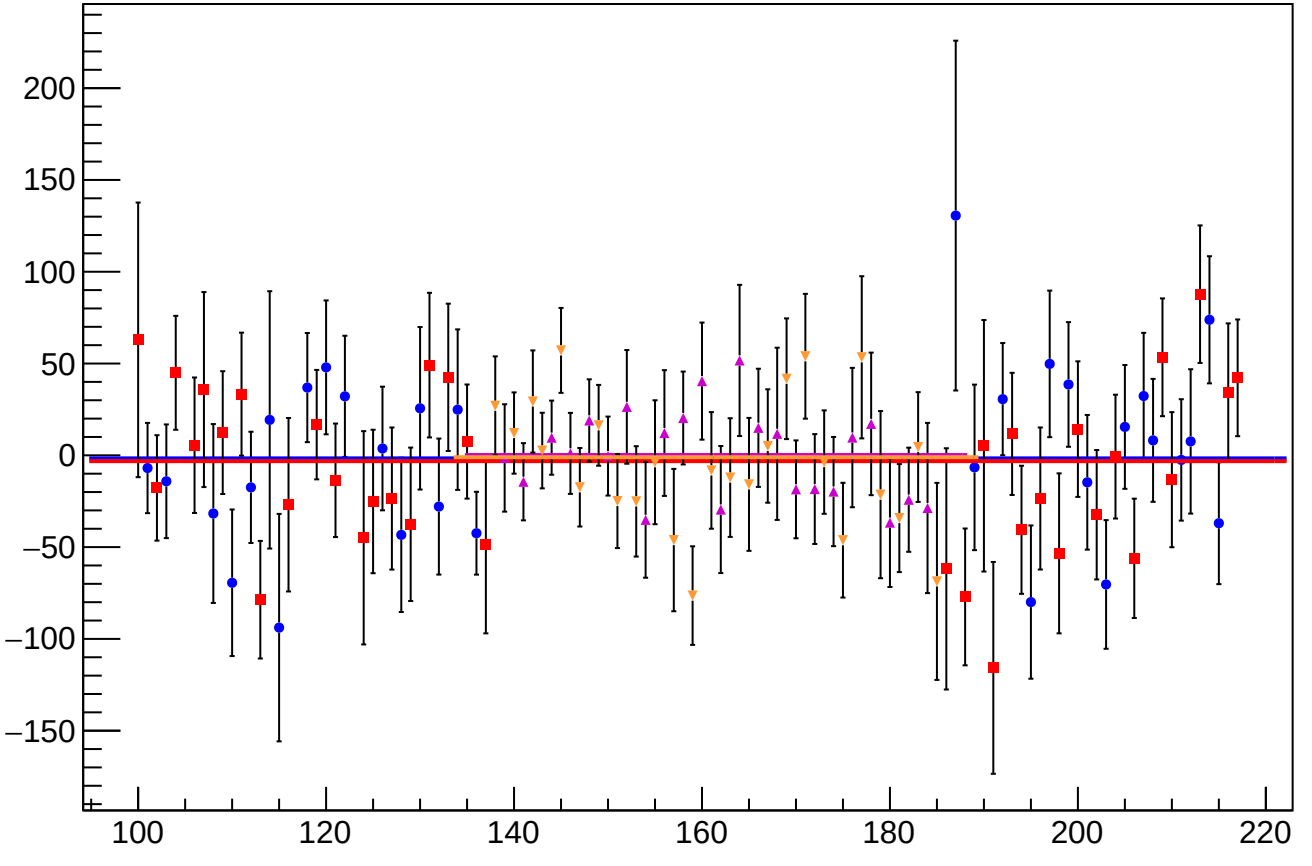
Right: 34578.723+/-3.959 χ^2/NDF: 3233433.1/66

In: 33167.476+/-3.917 χ^2/NDF:3129452.6/53

Out: 33093.302+/-3.795 χ^2/NDF:3409367.5/60

All: 33129.218+/-2.726 χ^2/NDF: 6539005.1/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -1.666+/-6.389 χ^2/NDF: 37.0/30

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -3.170+/-6.239 χ^2/NDF: 44.9/35

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

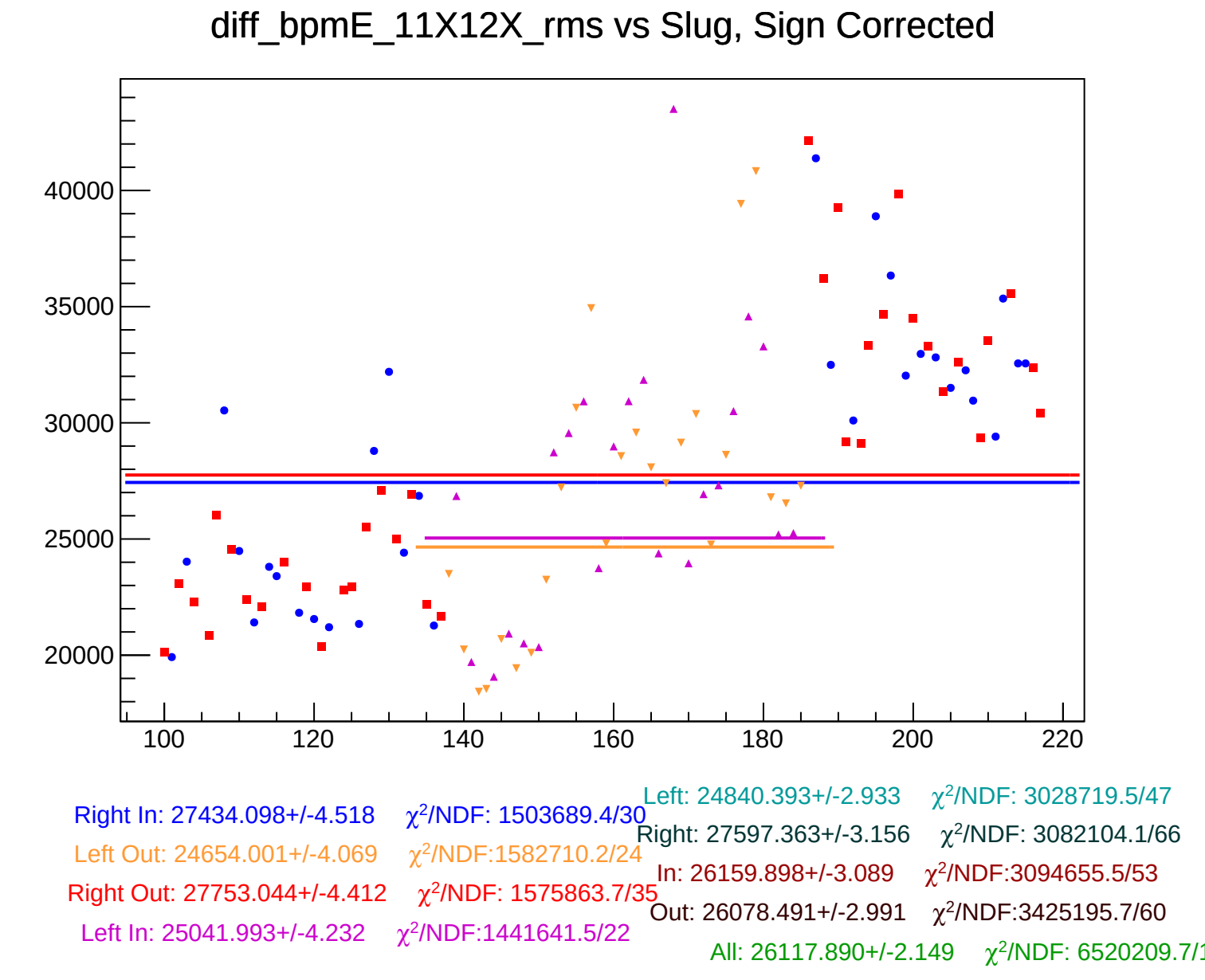
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -2.436+/-4.464 χ^2/NDF: 81.9/66

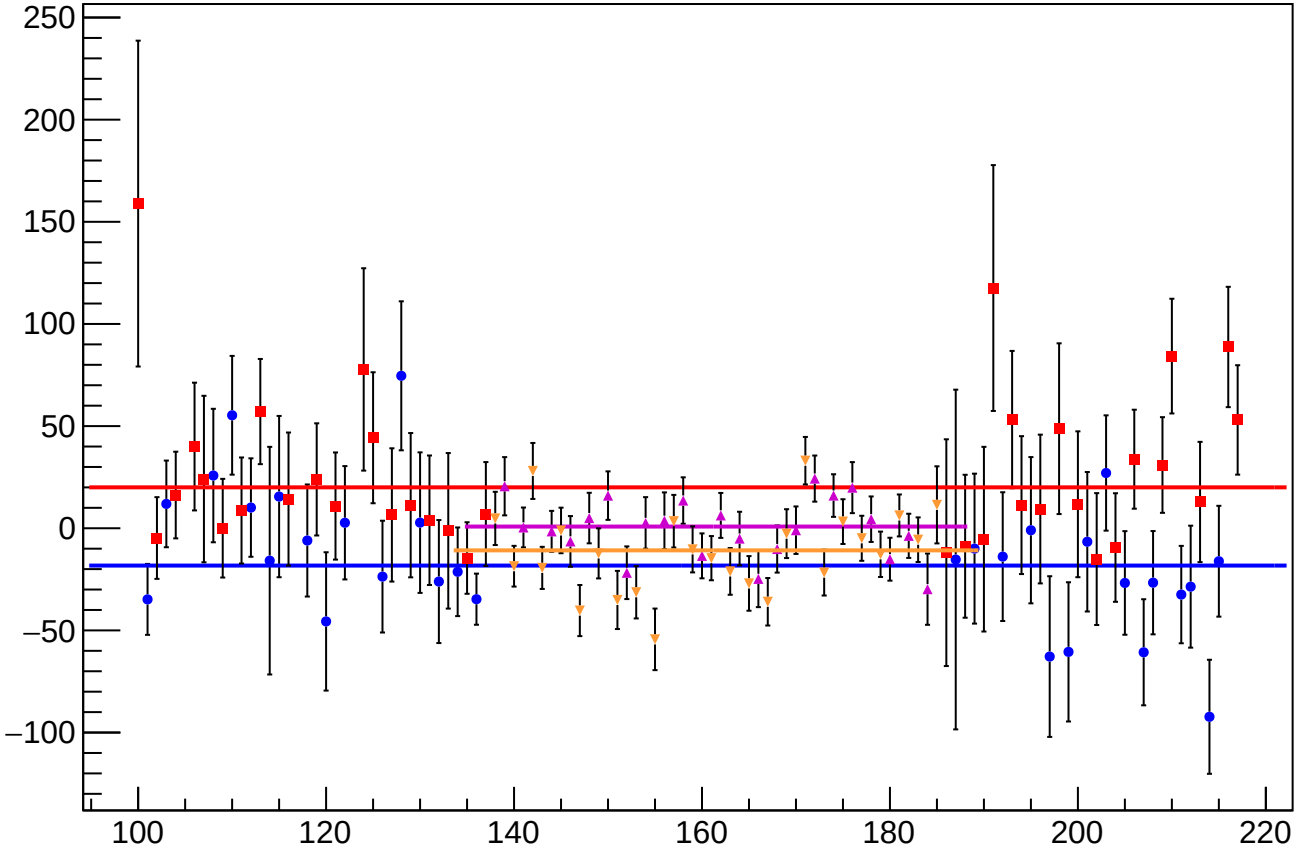
In: -0.700+/-4.368 χ^2/NDF:49.2/53

Out: -2.020+/-4.230 χ^2/NDF:77.3/60

All: -1.381+/-3.039 χ^2/NDF: 126.5/114


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: 27753.044+/-4.412 χ²/NDF: 1575863.7/35
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 27597.363+/-3.156 χ²/NDF: 3082104.1/66
In: 26159.898+/-3.089 χ²/NDF:3094655.5/53
Out: 26078.491+/-2.991 χ²/NDF:3425195.7/60
All: 26117.890+/-2.149 χ²/NDF: 6520209.7/1

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: 20.024+/-4.926 χ^2/NDF: 35.9/35

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

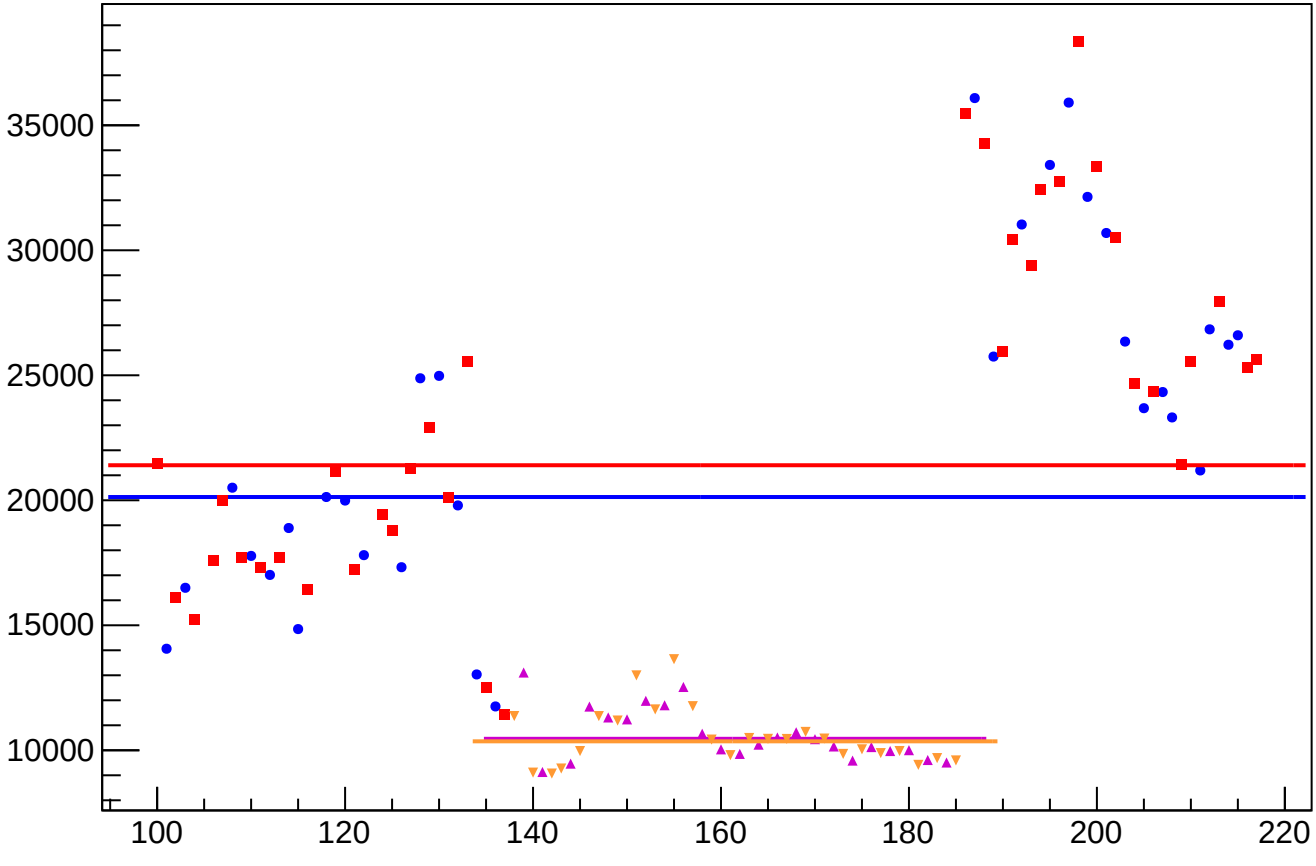
Right: 0.511+/-3.450 χ^2/NDF: 106.3/66

In: -3.096+/-2.190 χ^2/NDF:81.4/53

Out: -5.023+/-2.136 χ^2/NDF:129.0/60

All: -4.084+/-1.529 χ^2/NDF: 210.8/114

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: 21402.003+/-3.483 χ^2/NDF: 3432560.8/35

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

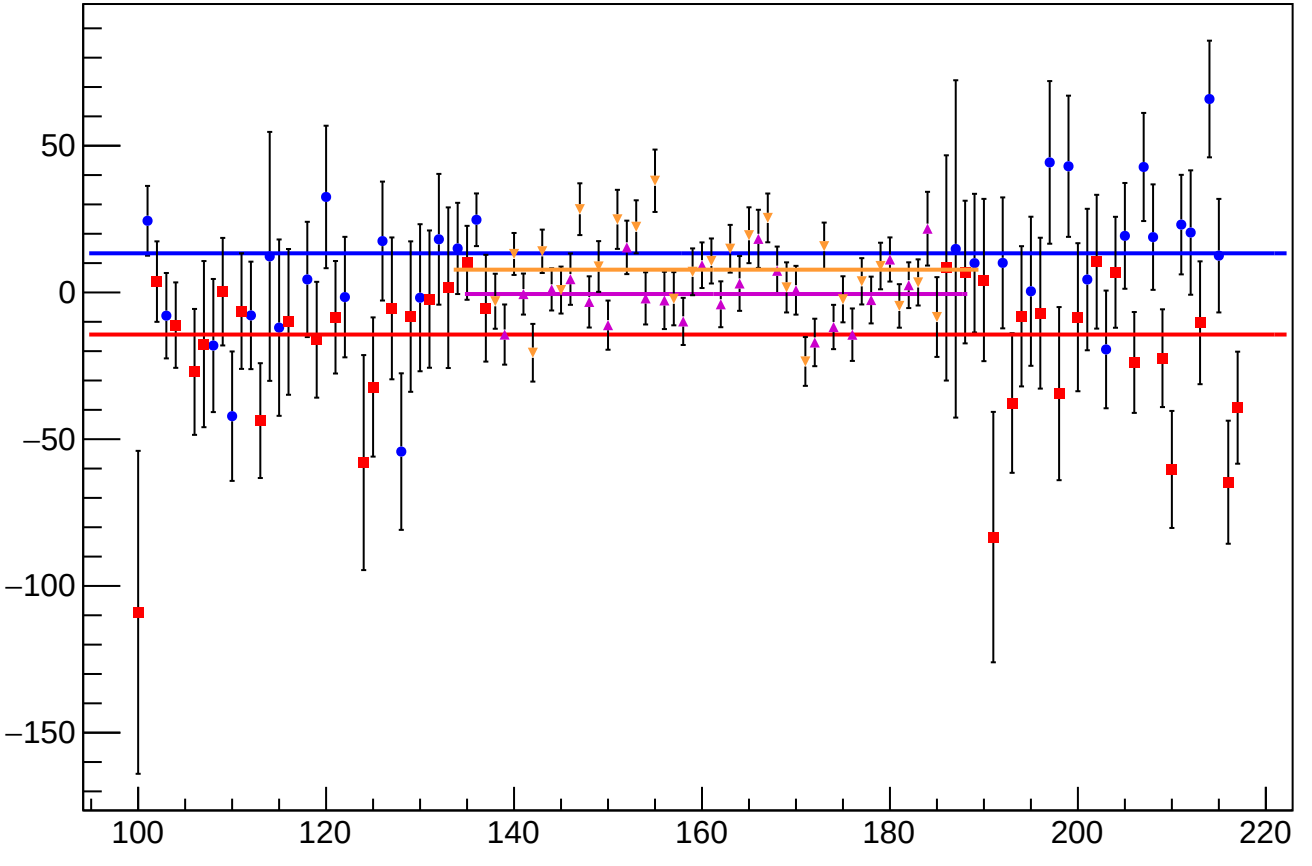
Right: 20754.175+/-2.439 χ^2/NDF: 7037736.0/66

In: 12445.763+/-1.549 χ^2/NDF:10217585.5/53

Out: 12434.693+/-1.510 χ^2/NDF:11957974.9/60

All: 12440.089+/-1.081 χ^2/NDF: 22175586.6/

diff_bpm4aediffX_mean vs Slug, Sign Corrected



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: -14.339+/-3.522 χ^2/NDF: 36.7/35

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

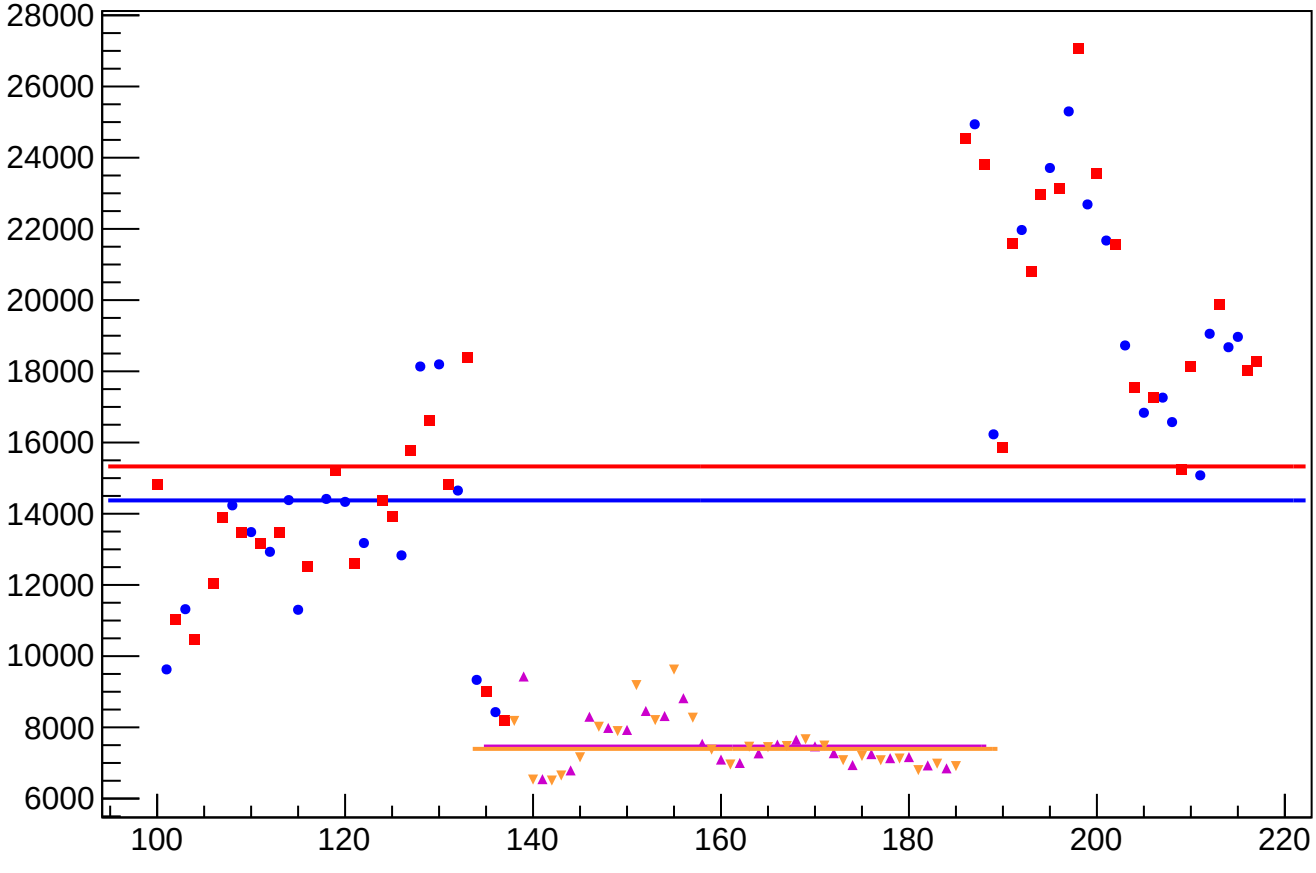
Right: -0.212+/-2.464 χ^2/NDF: 107.5/66

In: 2.313+/-1.562 χ^2/NDF:81.5/53

Out: 3.620+/-1.525 χ^2/NDF:129.7/60

All: 2.982+/-1.091 χ^2/NDF: 211.5/114

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: 15328.469+/-2.490 χ^2/NDF: 3299329.5/35

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

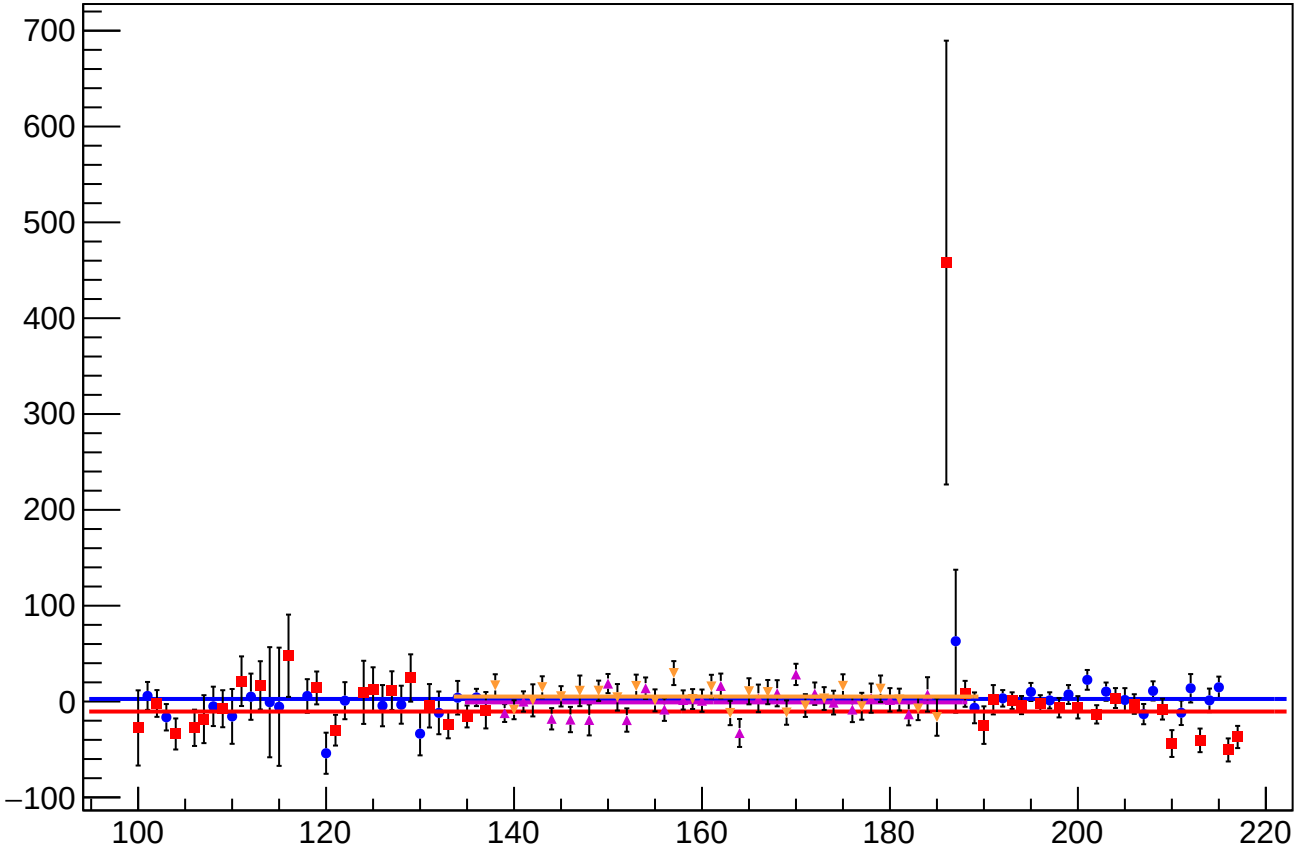
Right: 14841.300+/-1.743 χ^2/NDF: 6845103.2/66

In: 8878.424+/-1.105 χ^2/NDF:10140533.8/53

Out: 8882.576+/-1.078 χ^2/NDF:11869237.8/60

All: 8880.550+/-0.772 χ^2/NDF: 22009778.9/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 2.677+/-2.408 χ^2/NDF: 25.0/30

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -10.447+/-2.328 χ^2/NDF: 58.7/35

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

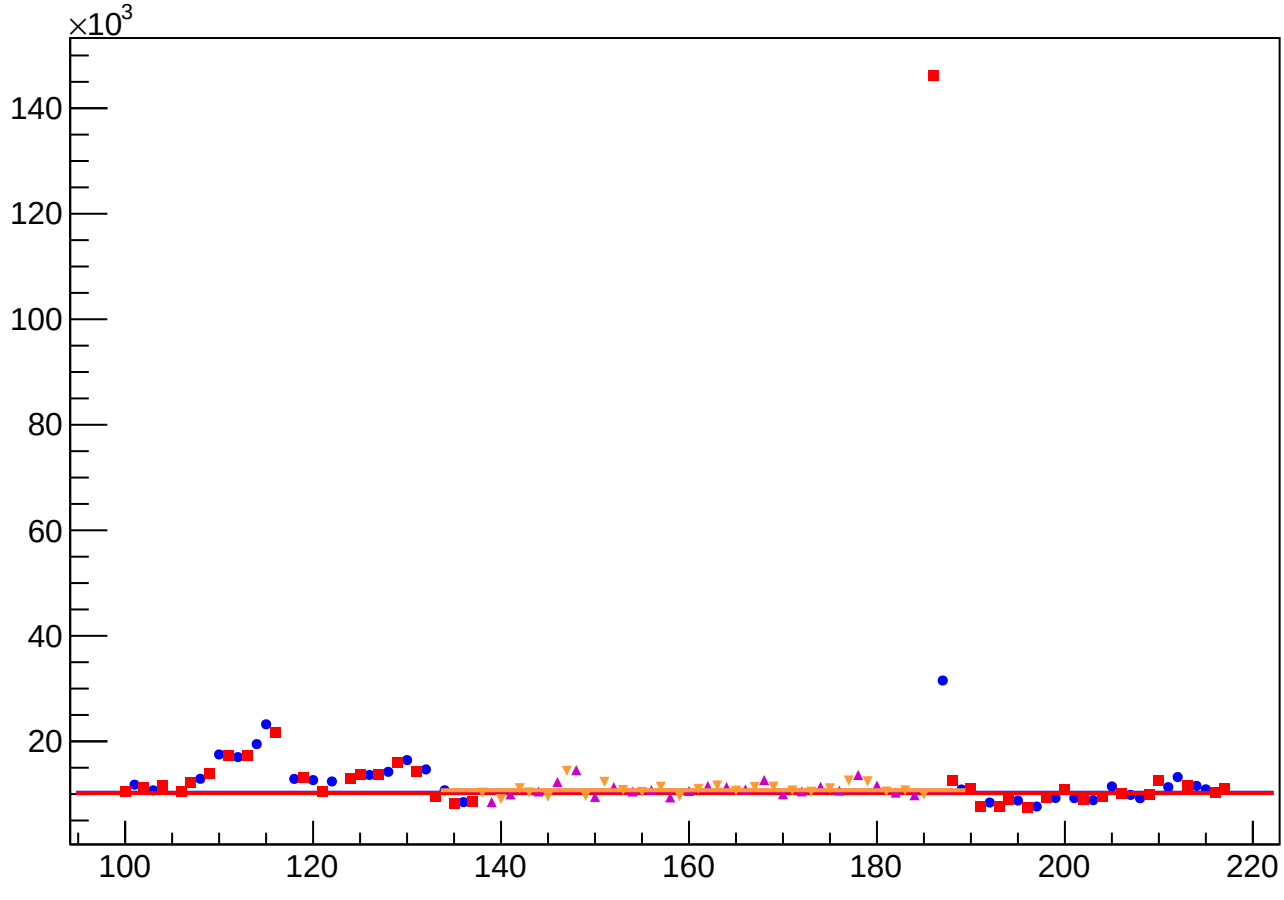
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -4.107+/-1.674 χ^2/NDF: 99.1/66

In: 0.973+/-1.740 χ^2/NDF:57.8/53

Out: -3.063+/-1.690 χ^2/NDF:98.4/60

All: -1.103+/-1.213 χ^2/NDF: 159.0/114



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: 10195.291+/-1.646 χ^2/NDF: 2403188.2/35

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

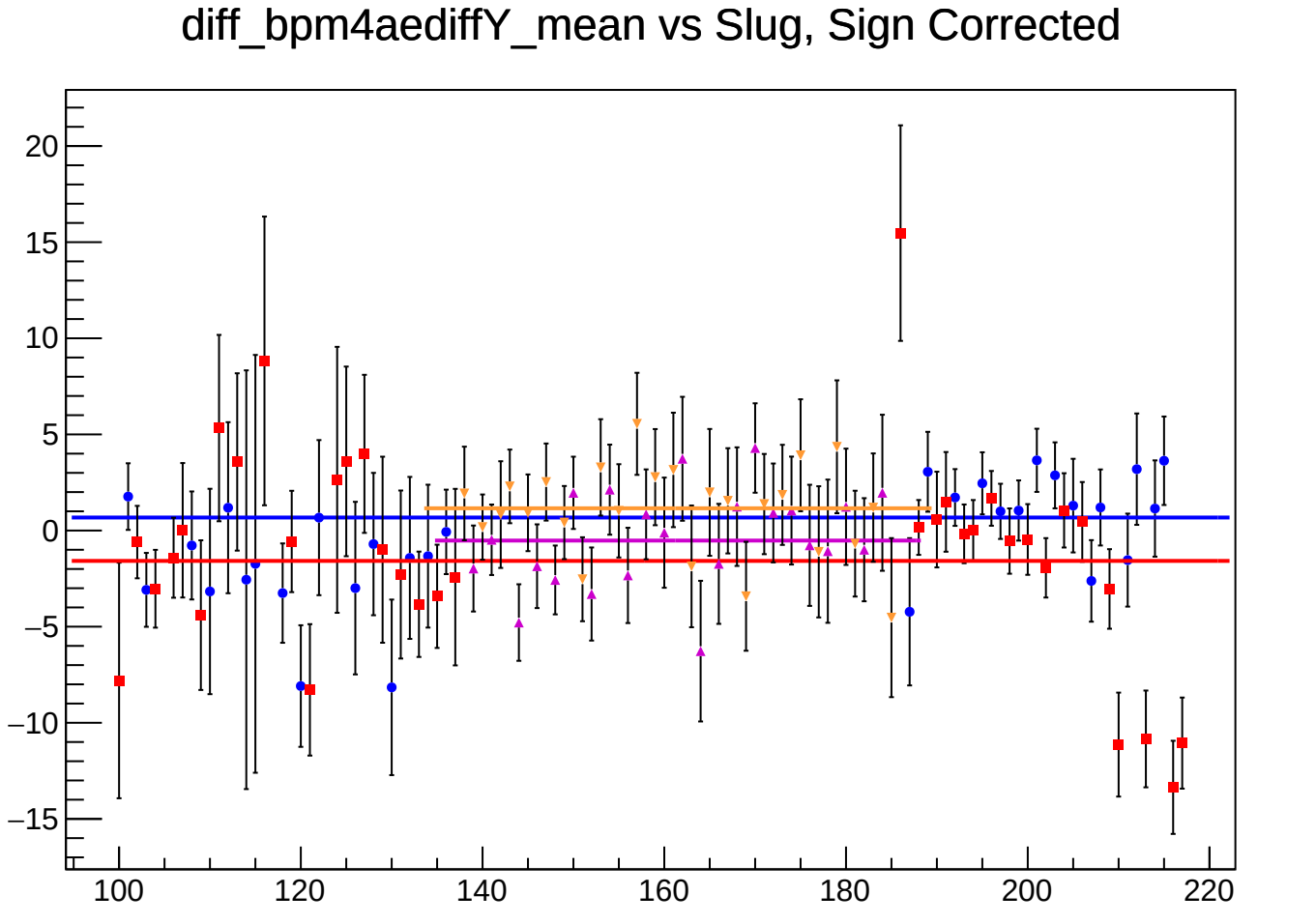
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10227.144+/-1.183 χ^2/NDF: 4167594.8/66

In: 10459.837+/-1.231 χ^2/NDF:2292706.4/53

Out: 10449.779+/-1.195 χ^2/NDF:2822045.4/60

All: 10454.662+/-0.857 χ^2/NDF: 5114786.2/



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: -1.580+/-0.395 χ^2/NDF: 106.0/35

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

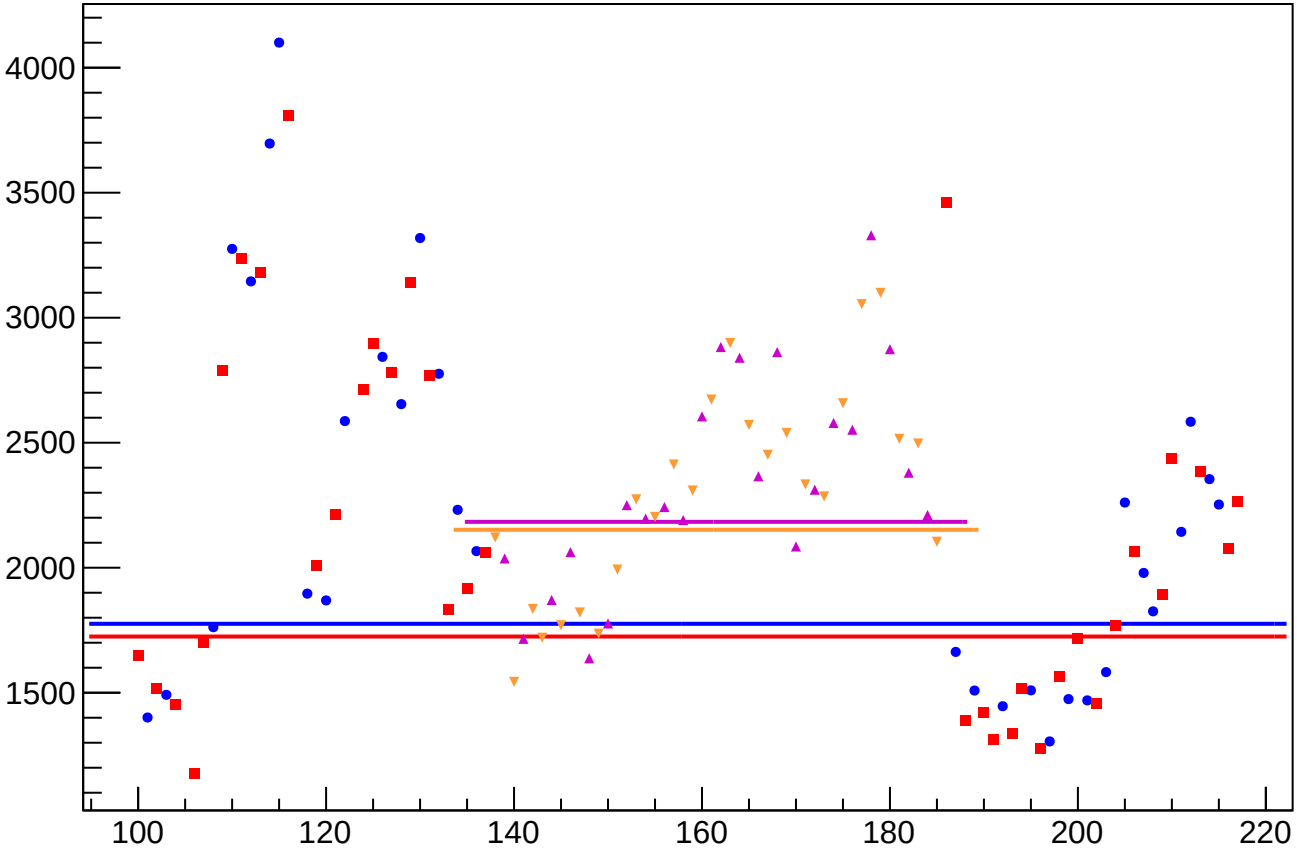
Right: -0.518+/-0.288 χ^2/NDF: 157.2/66

In: 0.204+/-0.326 χ^2/NDF:61.4/53

Out: -0.527+/-0.310 χ^2/NDF:141.3/60

All: -0.180+/-0.225 χ^2/NDF: 205.3/114

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1775.706+/-0.297 χ^2/NDF: 2423851.6/30

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1724.823+/-0.280 χ^2/NDF: 2868267.8/35

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

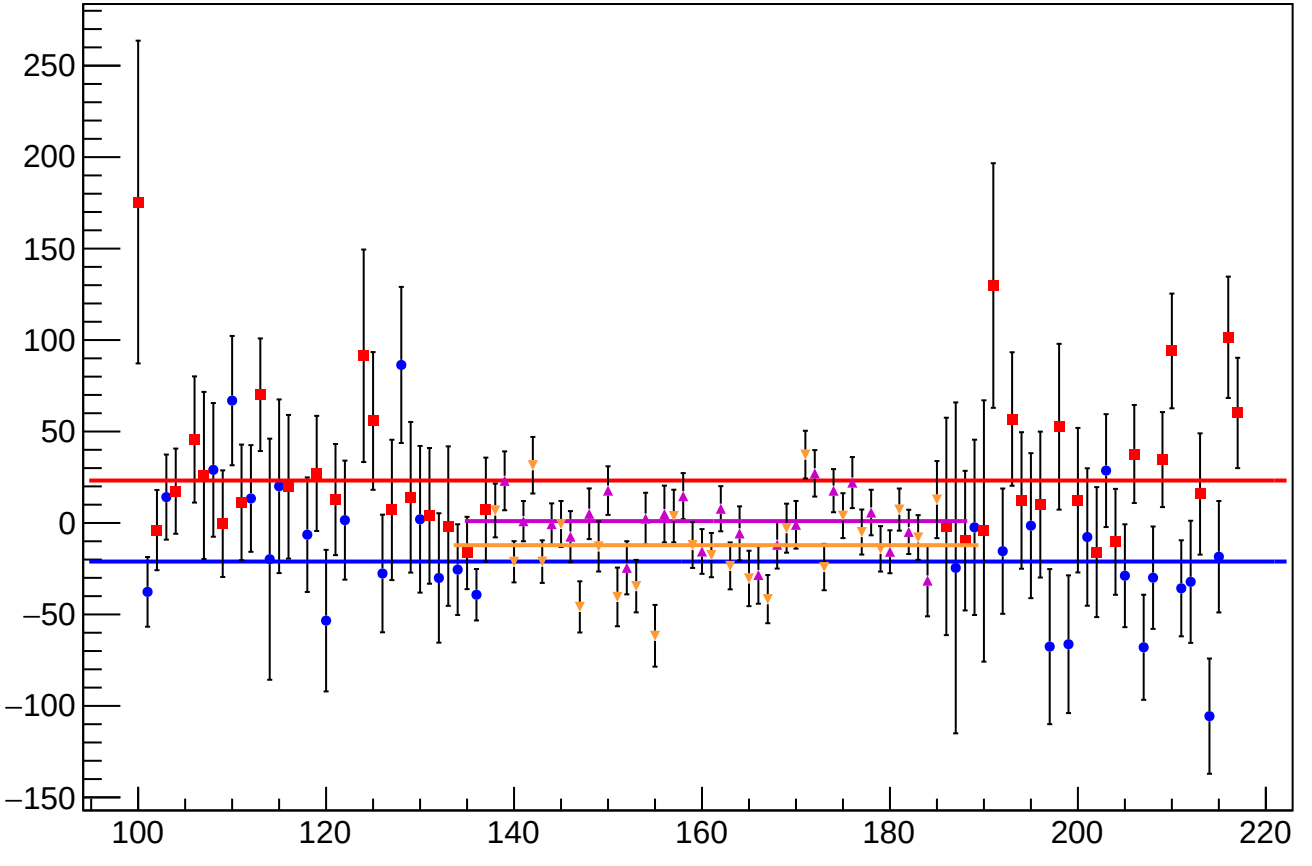
Right: 1748.759+/-0.203 χ^2/NDF: 5307703.0/66

In: 1936.516+/-0.231 χ^2/NDF:4331378.2/53

Out: 1889.011+/-0.219 χ^2/NDF:5114722.0/60

All: 1911.547+/-0.159 χ^2/NDF: 9468358.7/11

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: 23.214+/-5.584 χ^2/NDF: 35.9/35

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

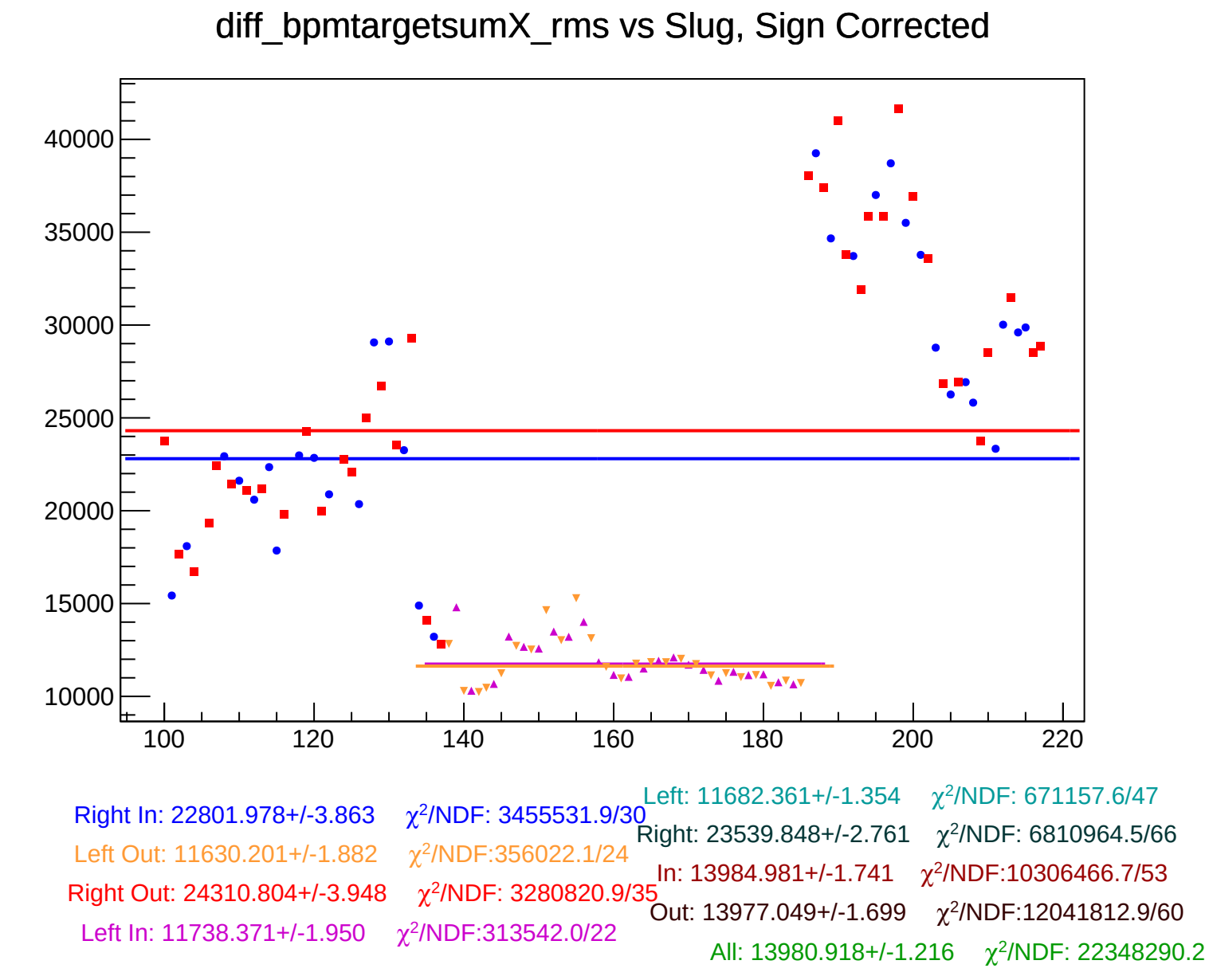
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

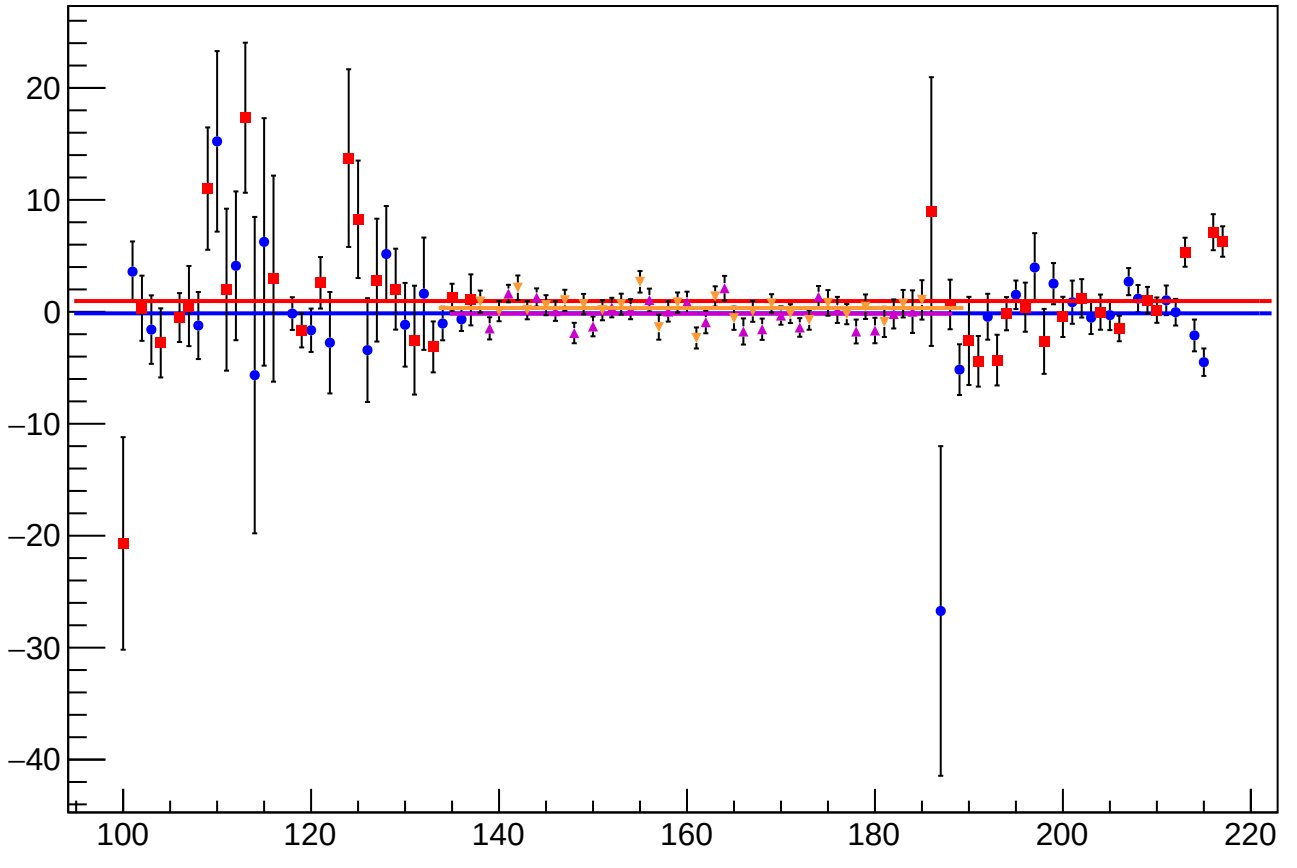
Right: 0.580+/-3.905 χ^2/NDF: 107.5/66

In: -3.465+/-2.462 χ^2/NDF:81.3/53

Out: -5.592+/-2.402 χ^2/NDF:131.2/60

All: -4.555+/-1.719 χ^2/NDF: 212.9/114


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 22801.978+/-3.863 χ²/NDF: 3455531.9/30
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24310.804+/-3.948 χ²/NDF: 3280820.9/35
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 23539.848+/-2.761 χ²/NDF: 6810964.5/66
In: 13984.981+/-1.741 χ²/NDF:10306466.7/53
Out: 13977.049+/-1.699 χ²/NDF:12041812.9/60
All: 13980.918+/-1.216 χ²/NDF: 22348290.2



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: 0.963+/-0.338 χ^2/NDF: 90.6/35

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

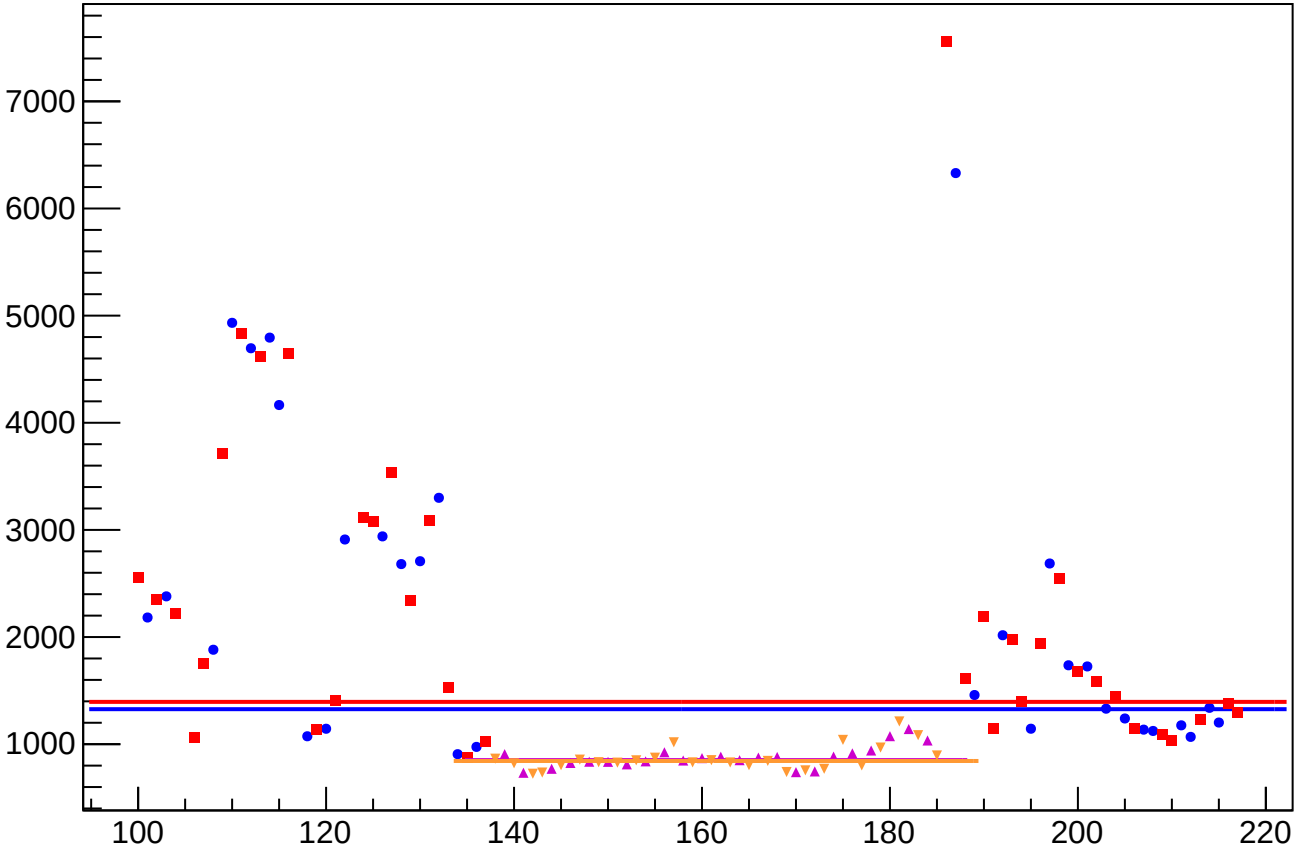
Right: 0.397+/-0.235 χ^2/NDF: 142.8/66

In: -0.157+/-0.171 χ^2/NDF:83.1/53

Out: 0.496+/-0.168 χ^2/NDF:119.9/60

All: 0.176+/-0.120 χ^2/NDF: 210.4/114

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: 1394.945+/-0.239 χ^2/NDF: 5219295.2/35

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

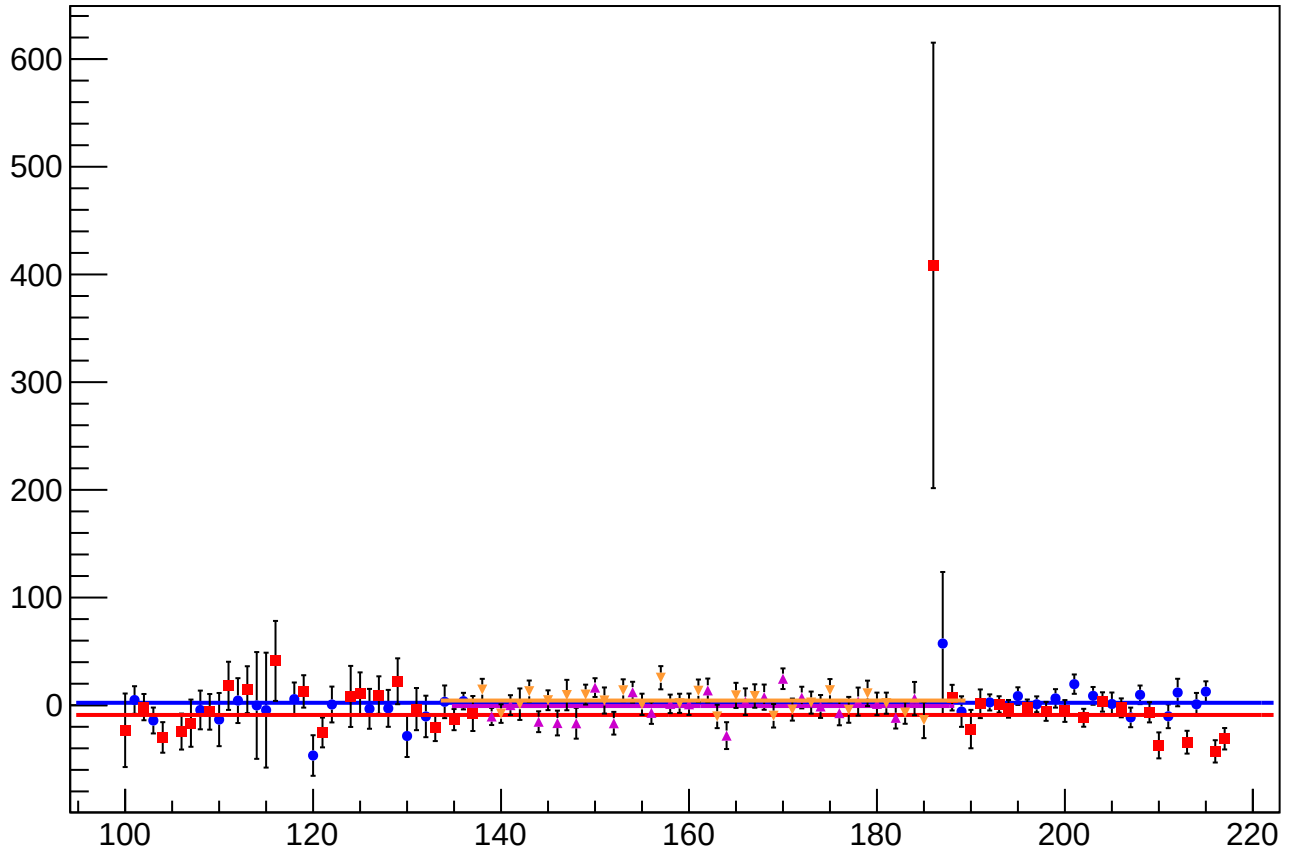
Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

Right: 1359.795+/-0.166 χ^2/NDF: 10006079.6/66

In: 981.527+/-0.121 χ^2/NDF:8186787.7/53

Out: 979.919+/-0.119 χ^2/NDF:9740586.3/60

All: 980.708+/-0.085 χ^2/NDF: 17927463.9/1



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: -9.003+/-2.018 χ^2/NDF: 57.2/35

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

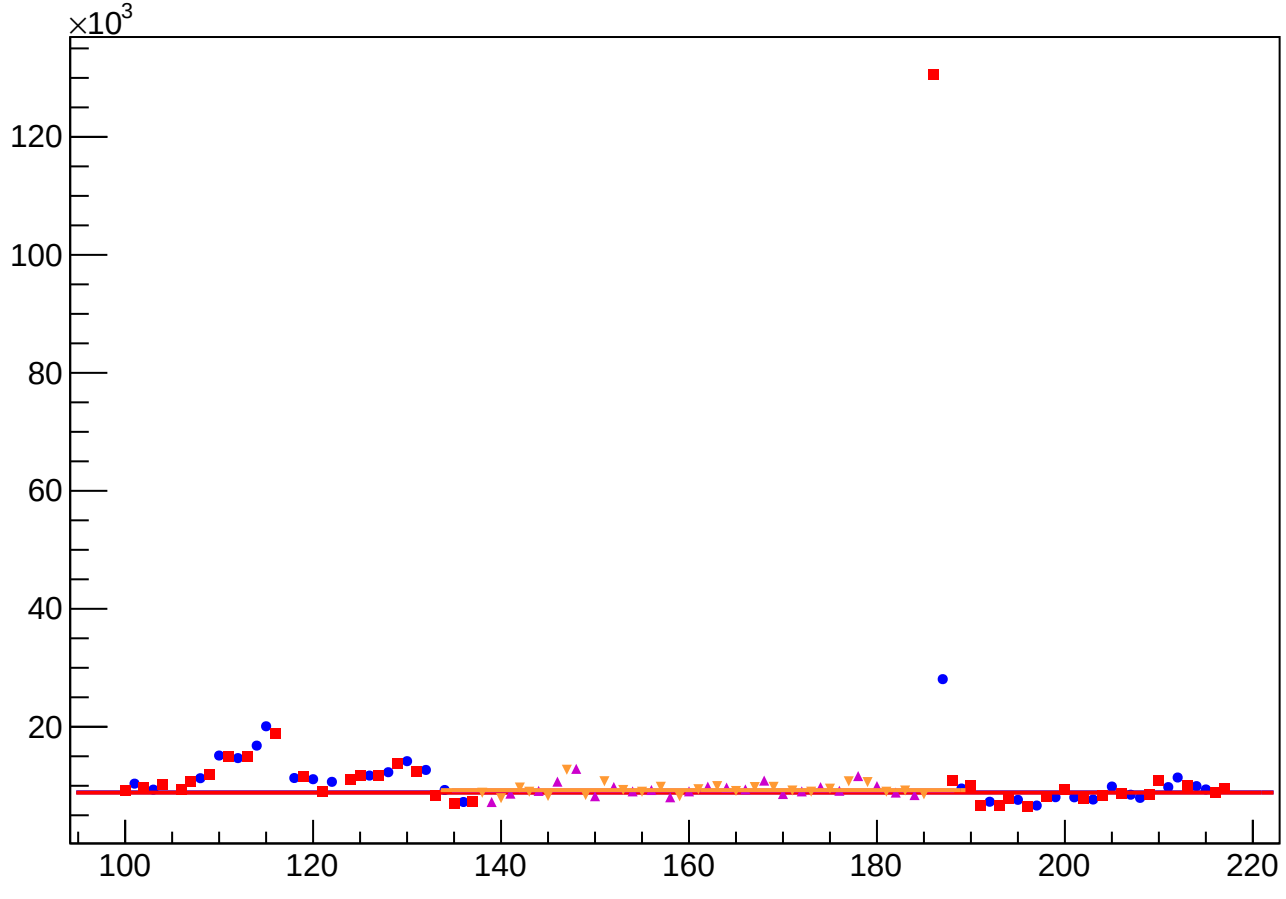
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -3.541+/-1.450 χ^2/NDF: 97.0/66

In: 0.838+/-1.504 χ^2/NDF:57.7/53

Out: -2.644+/-1.462 χ^2/NDF:96.7/60

All: -0.951+/-1.048 χ^2/NDF: 157.1/114



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: 8838.217+/-1.427 χ^2/NDF: 2399908.3/35

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

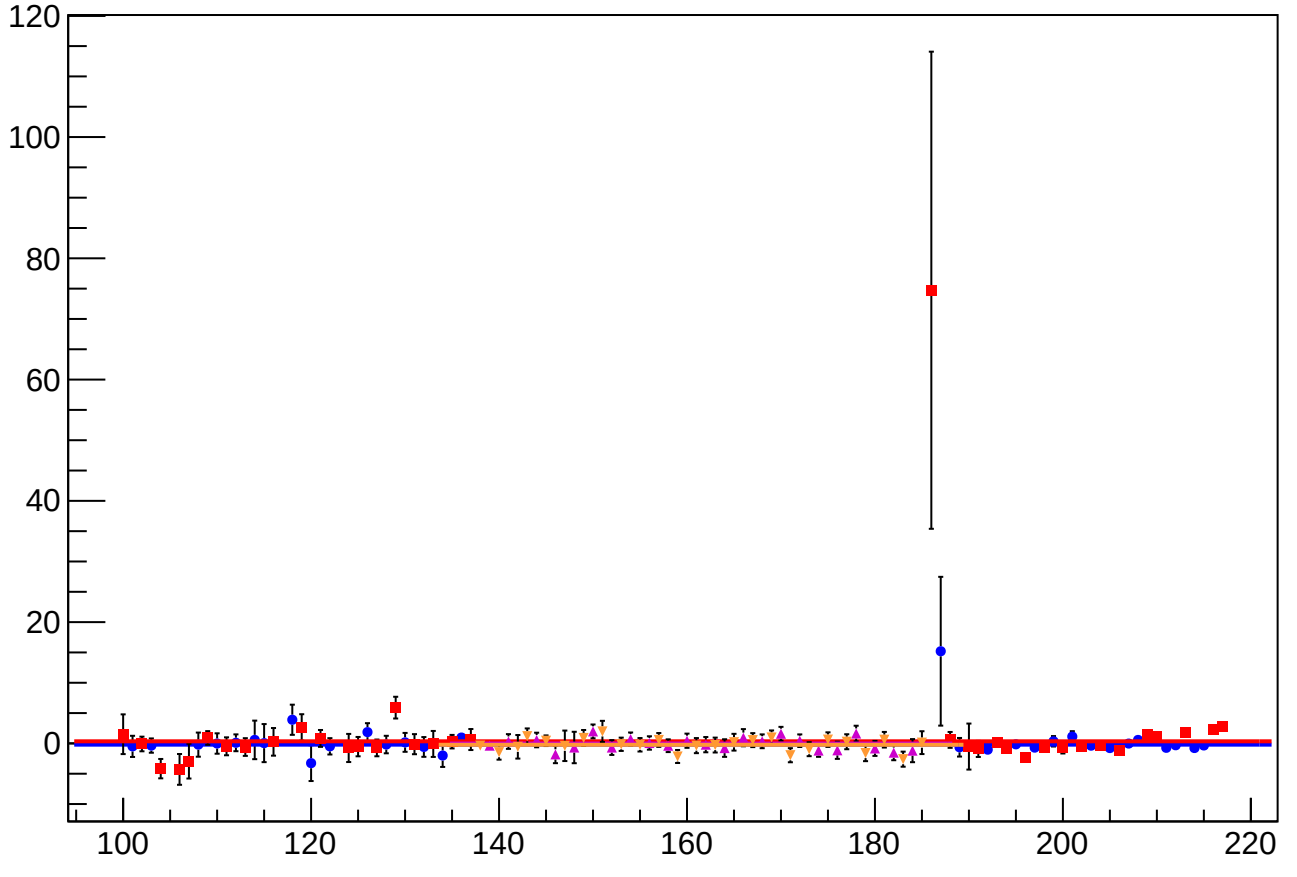
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 8860.901+/-1.025 χ^2/NDF: 4166315.6/66

In: 9036.014+/-1.063 χ^2/NDF:2303208.5/53

Out: 9039.327+/-1.034 χ^2/NDF:2807776.5/60

All: 9037.717+/-0.741 χ^2/NDF: 5110990.0/11



Right In: -0.206+/-0.171 χ^2/NDF: 18.8/30

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.345+/-0.170 χ^2/NDF: 91.1/35

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

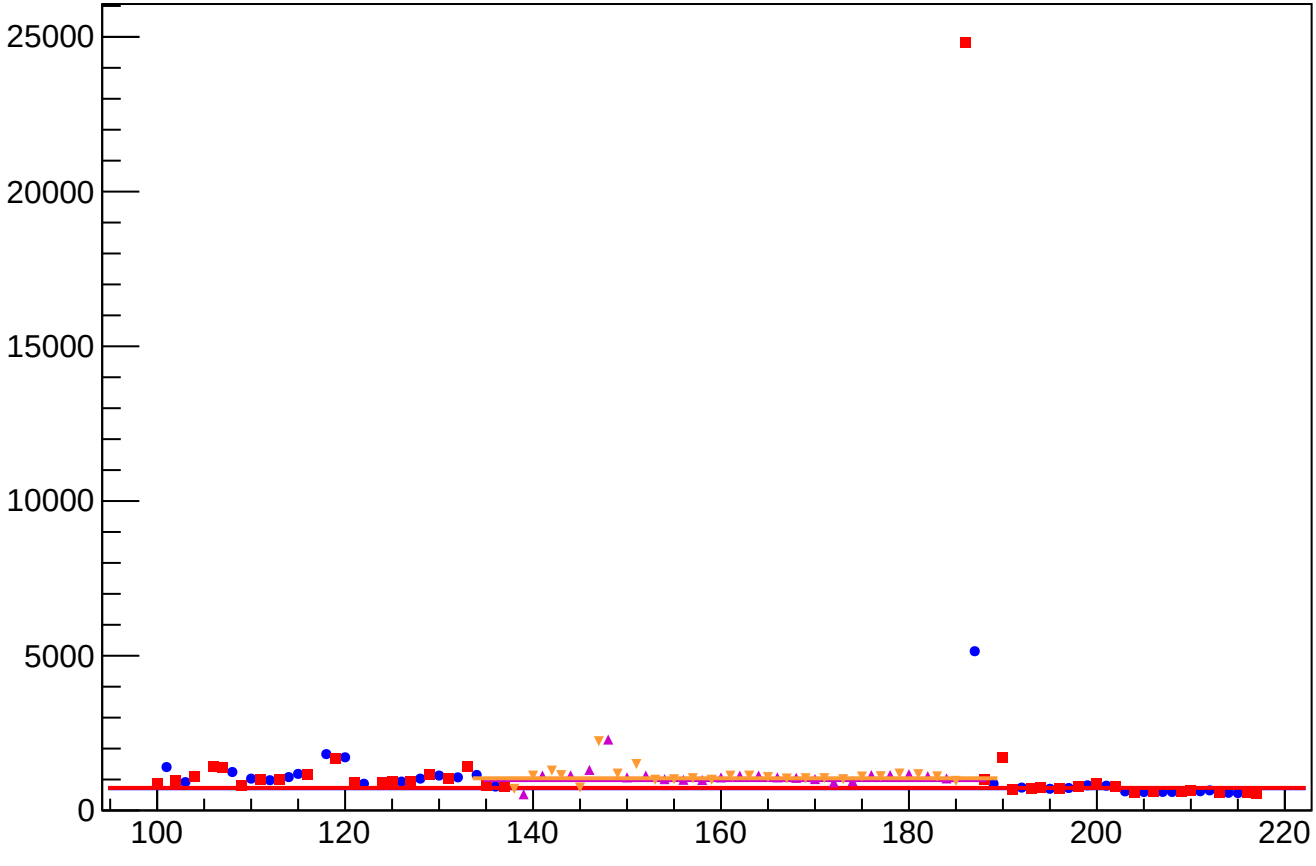
Right: 0.071+/-0.121 χ^2/NDF: 115.1/66

In: -0.145+/-0.139 χ^2/NDF:34.4/53

Out: 0.156+/-0.139 χ^2/NDF:113.8/60

All: 0.006+/-0.098 χ^2/NDF: 150.6/114

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: 729.159+/-0.120 χ^2/NDF: 3225458.5/35

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

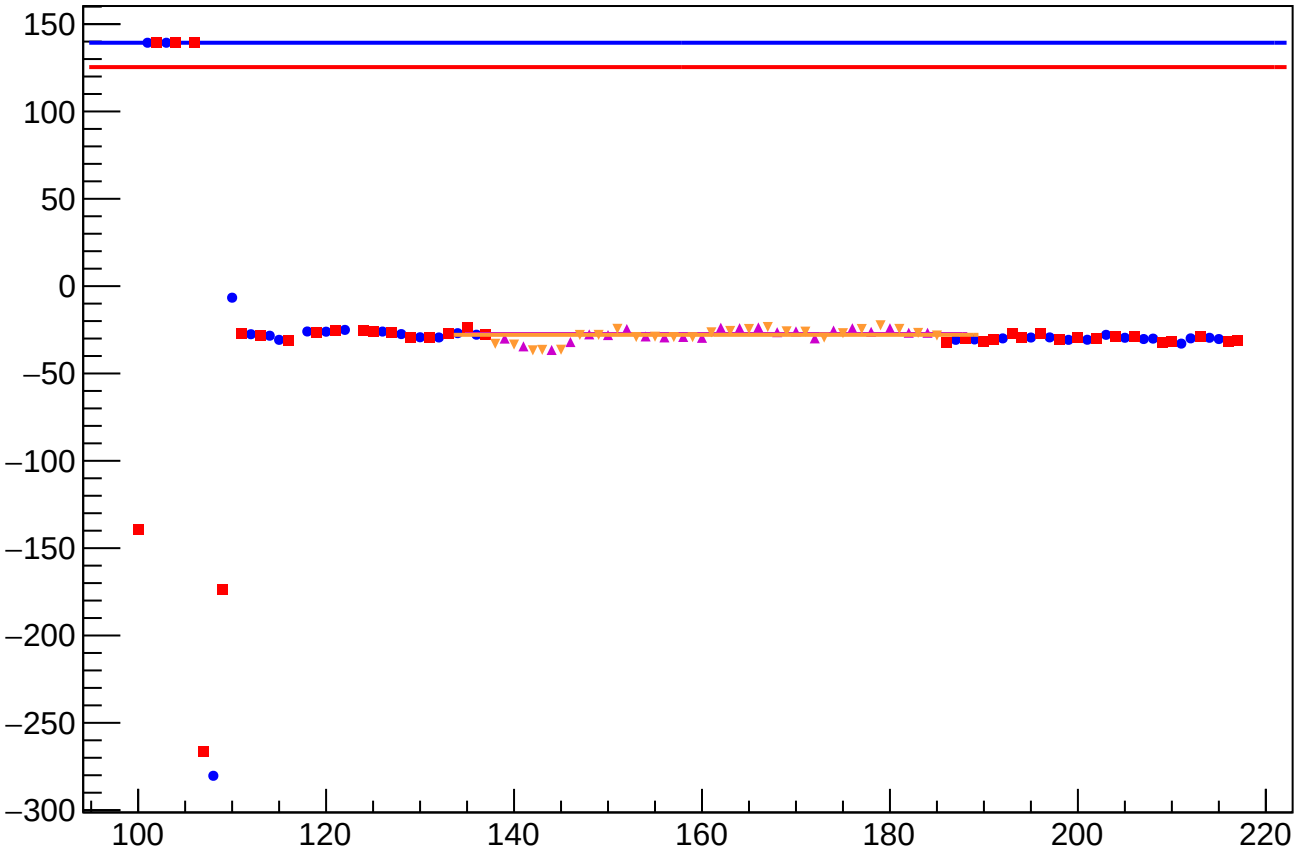
Right: 723.283+/-0.085 χ^2/NDF: 5968053.9/66

In: 806.855+/-0.098 χ^2/NDF:6579616.7/53

Out: 830.850+/-0.099 χ^2/NDF:6749652.5/60

All: 818.835+/-0.070 χ^2/NDF: 13358963.7/1

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: 774192236728746.4/35

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

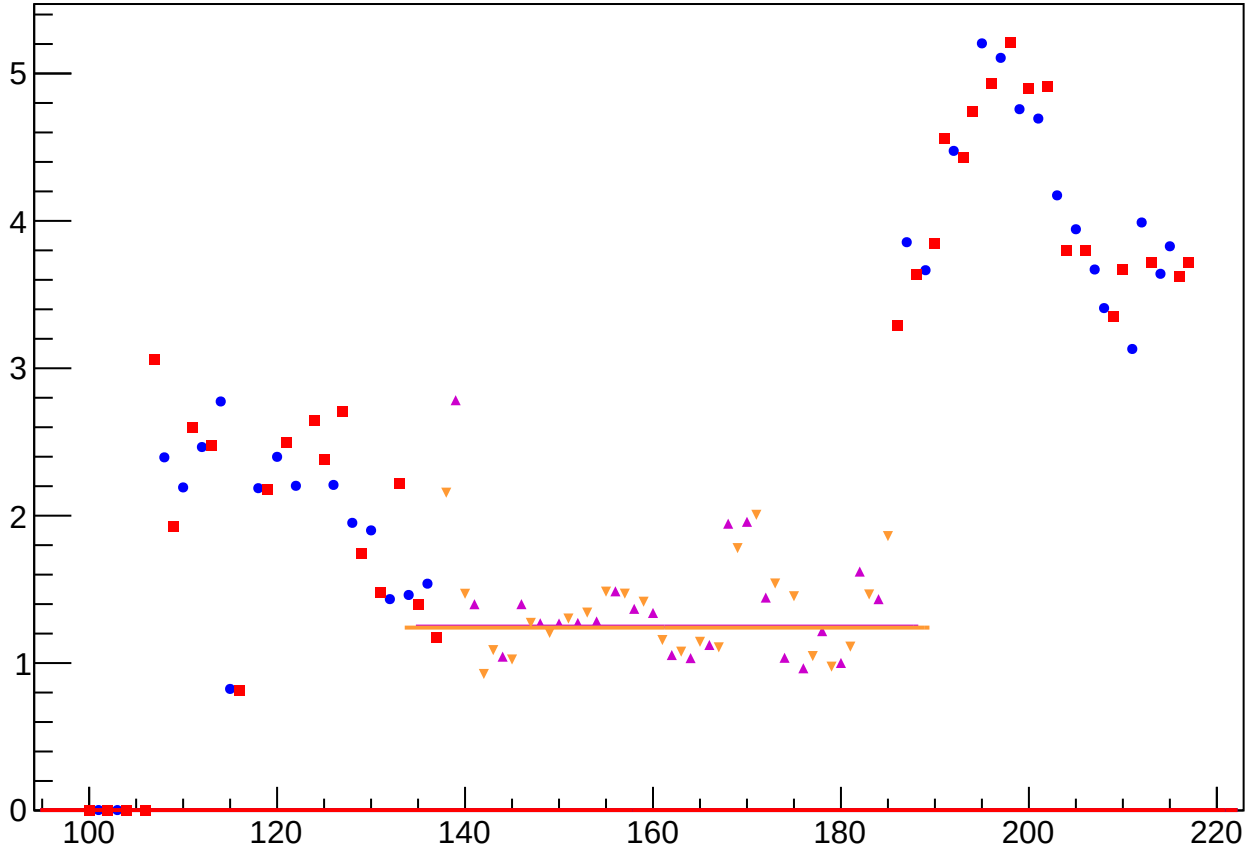
Right: 131.818+/-0.000 χ^2/NDF: 793044788073412

In: 139.328+/-0.000 χ^2/NDF:322355012068.6/53

Out: 125.384+/-0.000 χ^2/NDF:774422924144058.

All: 131.810+/-0.000 χ^2/NDF: 793527198902

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: 35252053.4/35

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

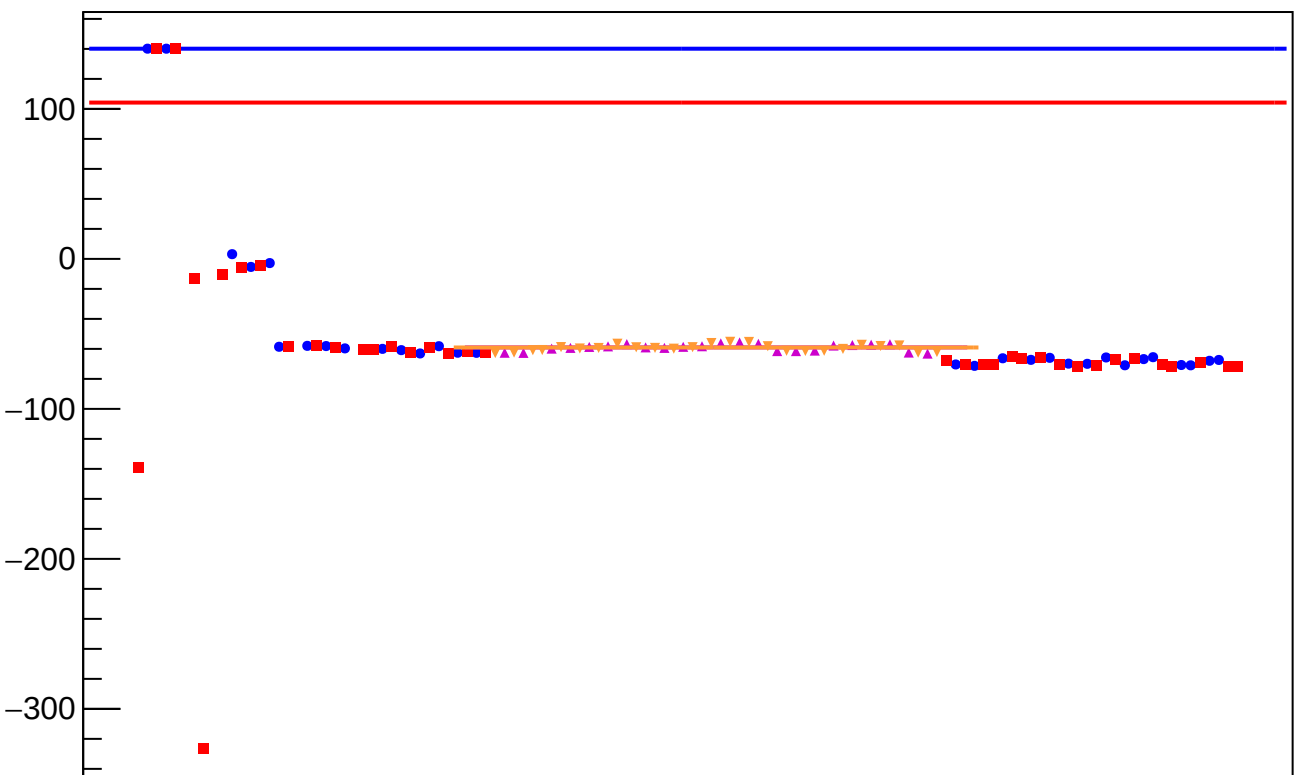
Right: 0.003+/-0.000 χ^2/NDF: 68112552.4/66

In: 0.003+/-0.000 χ^2/NDF:62625336.1/53

Out: 0.003+/-0.000 χ^2/NDF:66551717.0/60

All: 0.003+/-0.000 χ^2/NDF: 129177323.9/114

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.134+/-0.000 χ^2/NDF: 536288836234.3/30

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.216+/-0.000 χ^2/NDF: 1257687074400449.5/35

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

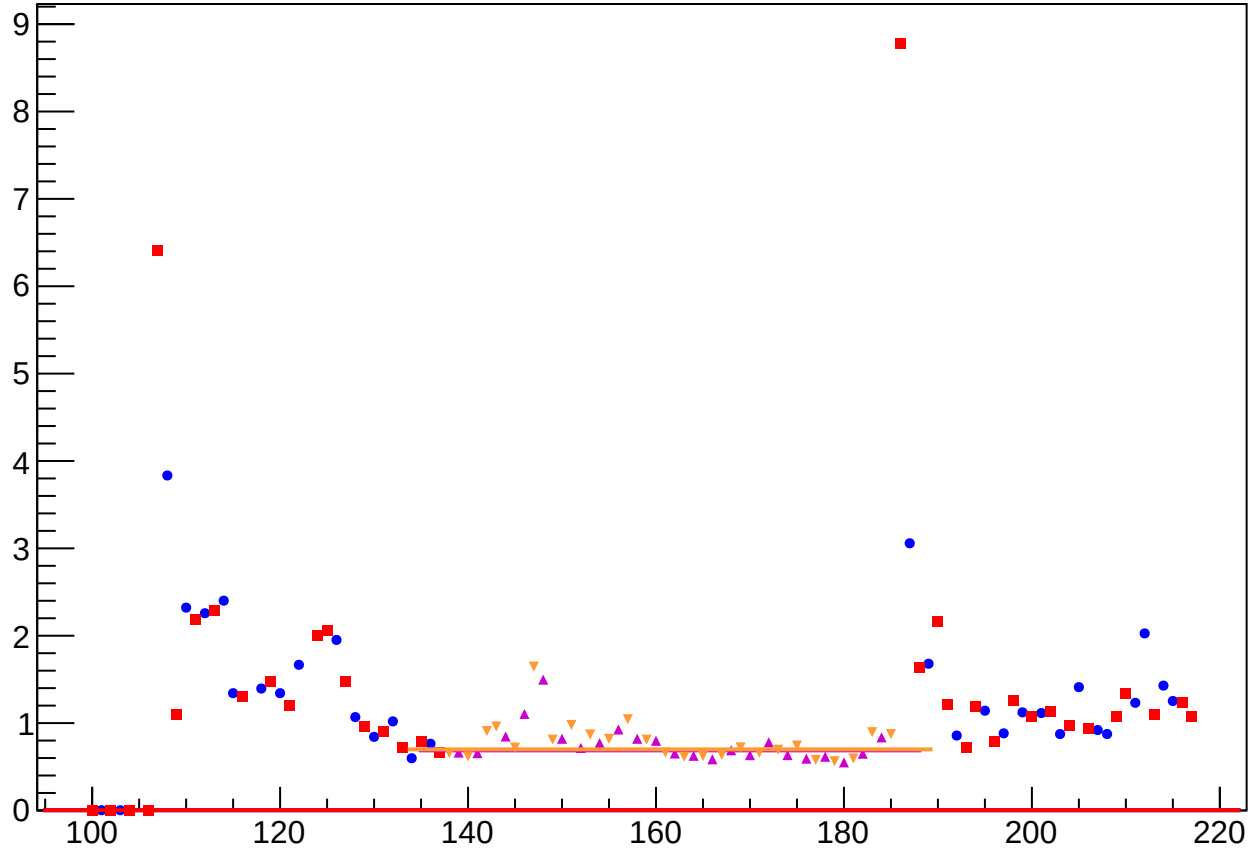
Right: 120.823+/-0.000 χ^2/NDF: 138152532100017

In: 140.098+/-0.000 χ^2/NDF:1811772334378.8/53

Out: 104.191+/-0.000 χ^2/NDF:1258558645023281

All: 120.793+/-0.000 χ^2/NDF: 13836233086

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: 32641397.7/35

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

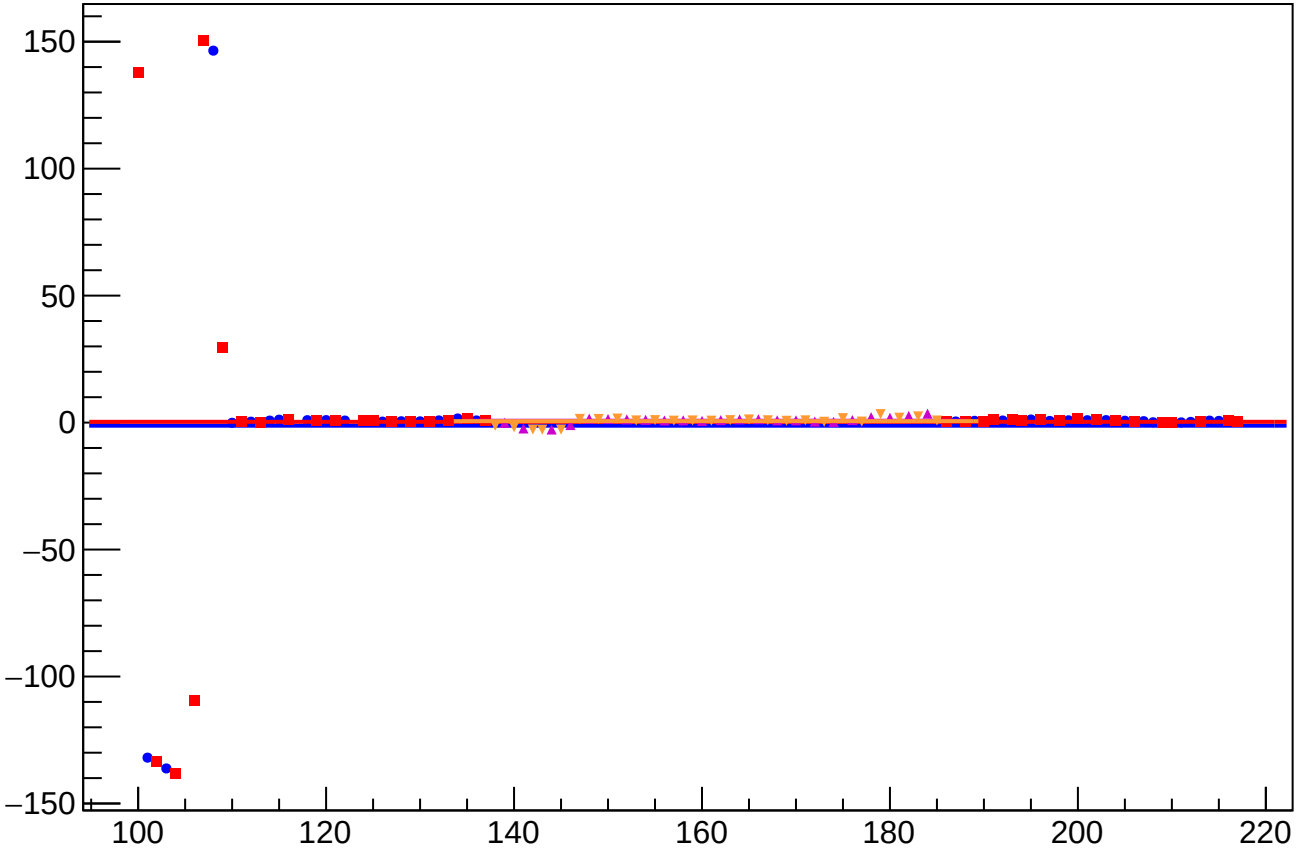
Right: 0.003+/-0.000 χ^2/NDF: 62650530.6/66

In: 0.003+/-0.000 χ^2/NDF:61311564.6/53

Out: 0.003+/-0.000 χ^2/NDF:65695196.3/60

All: 0.003+/-0.000 χ^2/NDF: 127007181.4/114

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: 0.302+/-0.000 χ^2/NDF: 3613086805.8/35

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

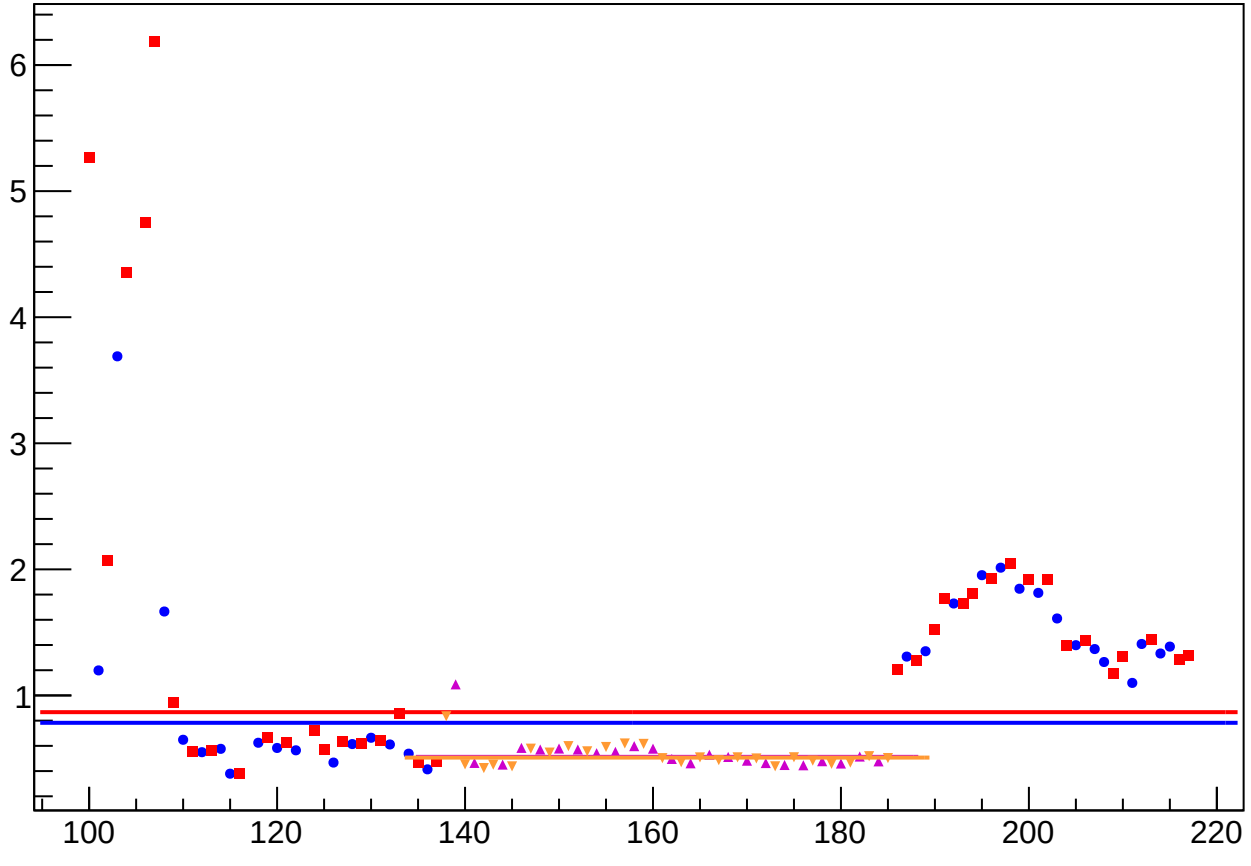
Right: -0.502+/-0.000 χ^2/NDF: 13547504962.0/66

In: 0.192+/-0.000 χ^2/NDF:10075225469.8/53

Out: 0.509+/-0.000 χ^2/NDF:3768536296.8/60

All: 0.353+/-0.000 χ^2/NDF: 13847738449.7/1

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: 0.867+/-0.000 χ^2/NDF: 9176553.5/35

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

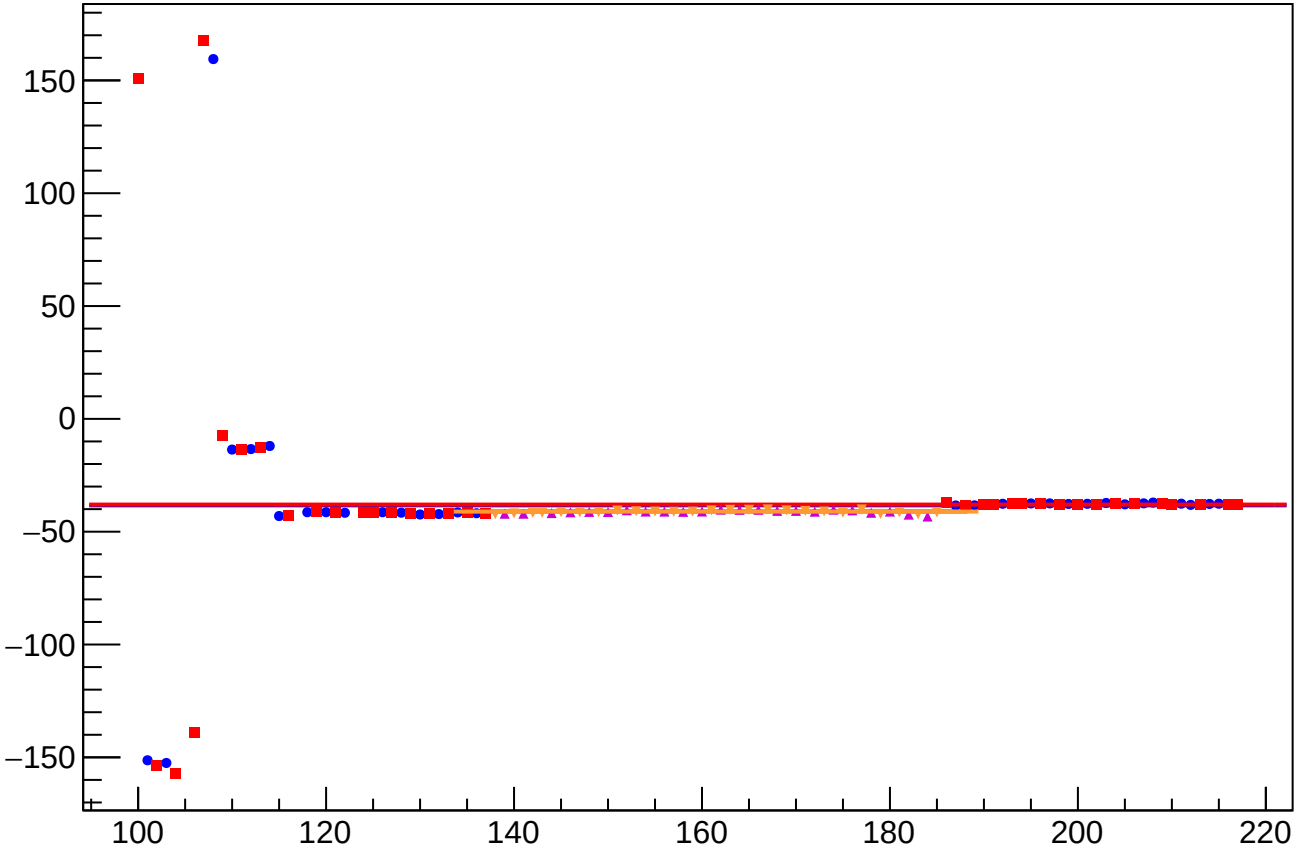
Right: 0.823+/-0.000 χ^2/NDF: 18048847.0/66

In: 0.588+/-0.000 χ^2/NDF:11746037.4/53

Out: 0.593+/-0.000 χ^2/NDF:13516384.9/60

All: 0.591+/-0.000 χ^2/NDF: 25264962.1/114

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.313+/-0.000 χ^2/NDF: 3623138096.8/30

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.983+/-0.000 χ^2/NDF: 2514567051.9/35

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

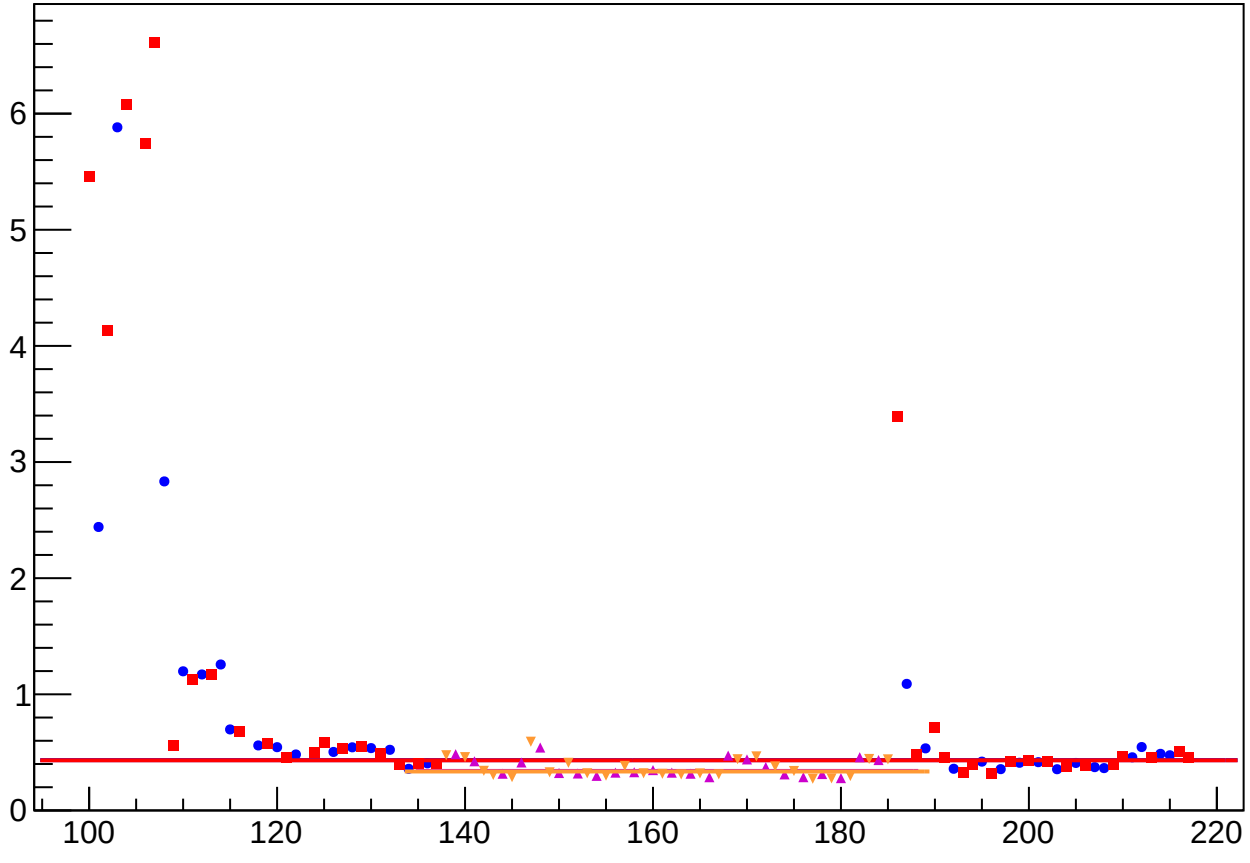
Right: -38.143+/-0.000 χ^2/NDF: 6142425043.3/66

In: -40.030+/-0.000 χ^2/NDF:4068362010.5/53

Out: -39.966+/-0.000 χ^2/NDF:3126077612.6/60

All: -39.997+/-0.000 χ^2/NDF: 7194926005.3/

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: 0.432+/-0.000 χ^2/NDF: 4743892.3/35

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

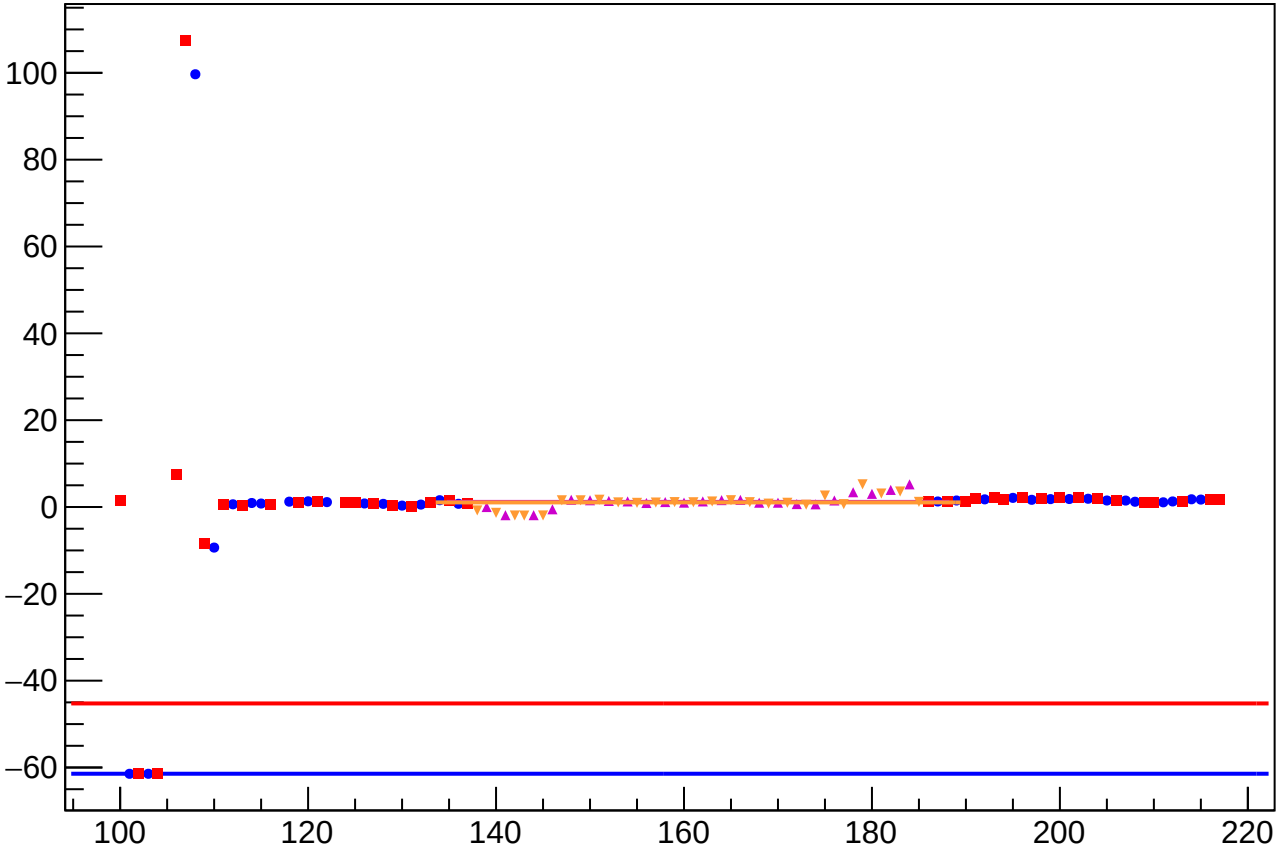
Right: 0.433+/-0.000 χ^2/NDF: 8598067.4/66

In: 0.375+/-0.000 χ^2/NDF:5846230.5/53

Out: 0.370+/-0.000 χ^2/NDF:7038206.9/60

All: 0.372+/-0.000 χ^2/NDF: 12888268.0/114

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: 357887459894557.4/35

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

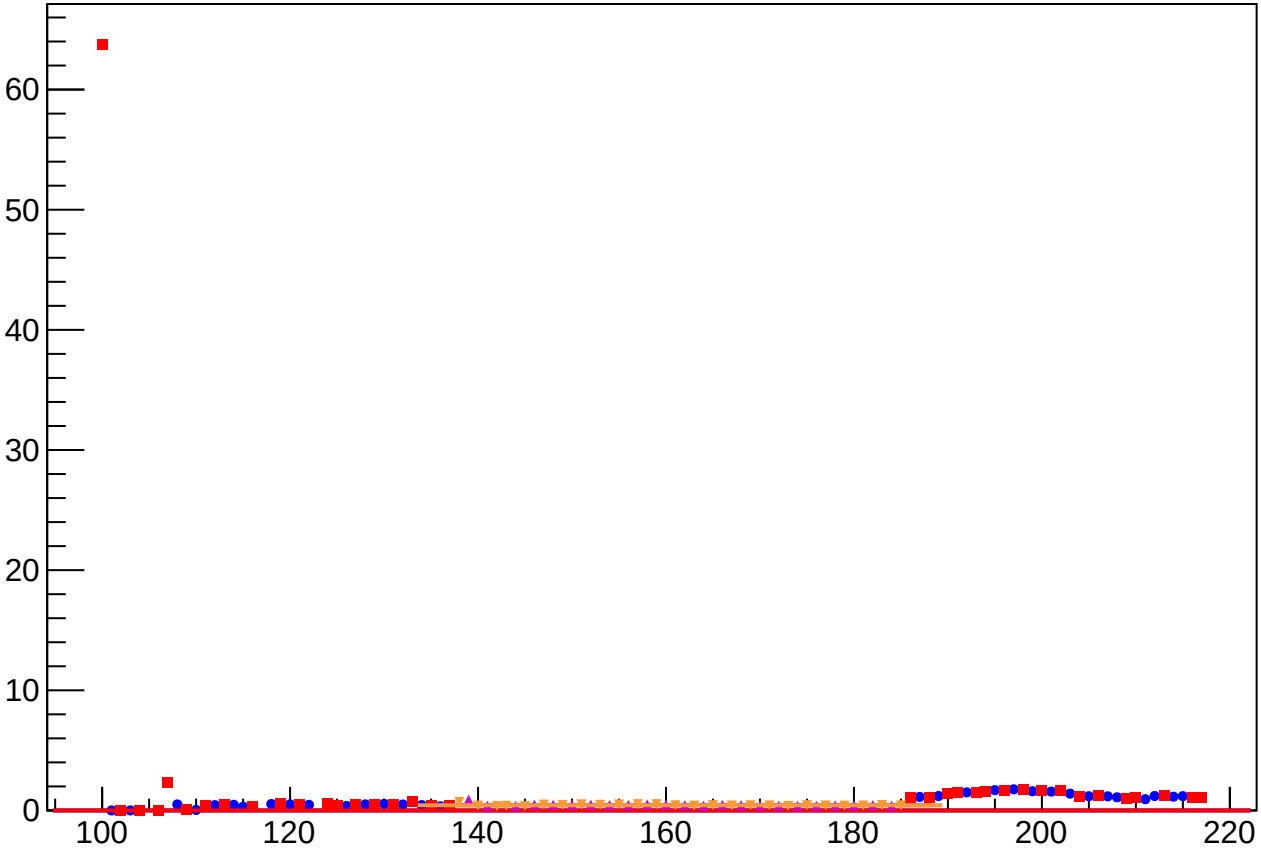
Right: -52.748+/-0.000 χ^2/NDF: 409166222403317

In: -61.421+/-0.000 χ^2/NDF:604932310954.6/53

Out: -45.235+/-0.000 χ^2/NDF:358068737414954.9

All: -52.737+/-0.000 χ^2/NDF: 409635621141

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: 34890665.6/35

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

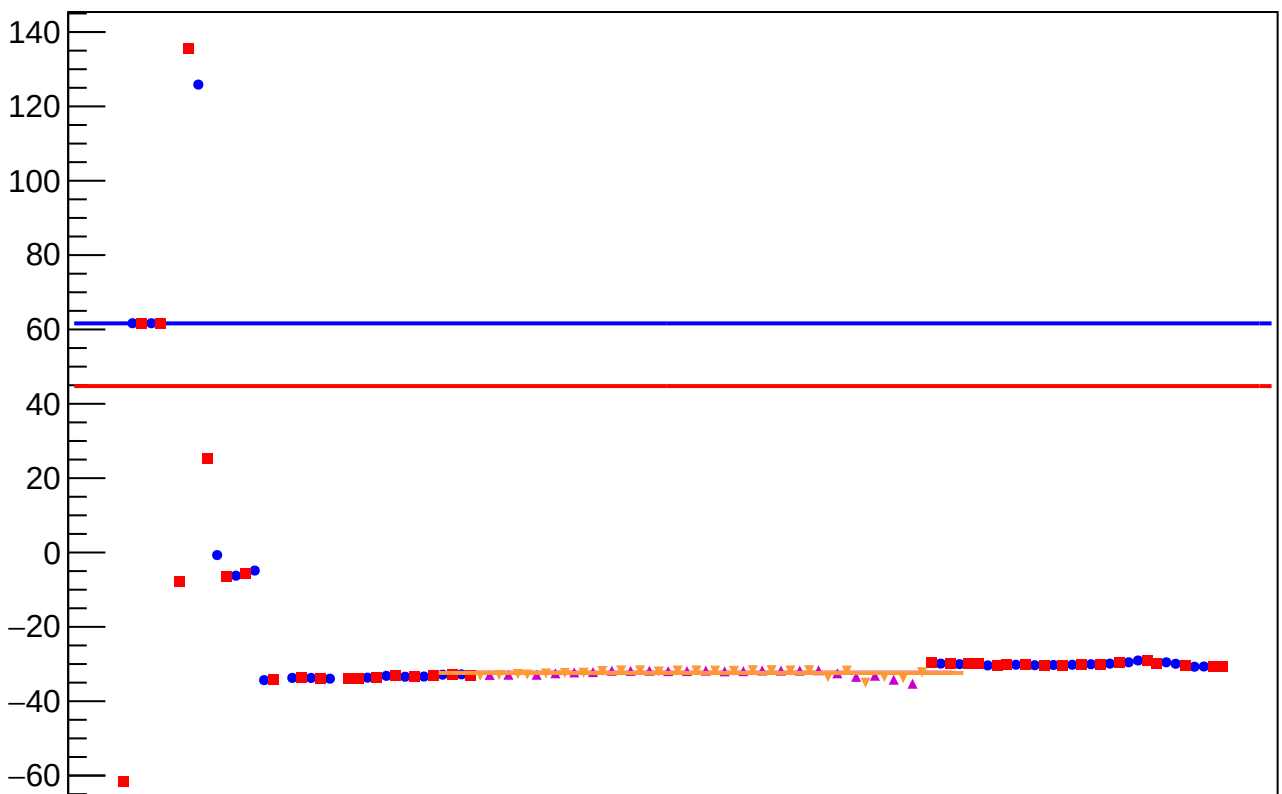
Right: 0.001+/-0.000 χ^2/NDF: 67332707.7/66

In: 0.002+/-0.000 χ^2/NDF:62580843.5/53

Out: 0.002+/-0.000 χ^2/NDF:66654362.1/60

All: 0.002+/-0.000 χ^2/NDF: 129235247.0/114

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: 44.766+/-0.000 χ^2/NDF: 366649164501533.1/35

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

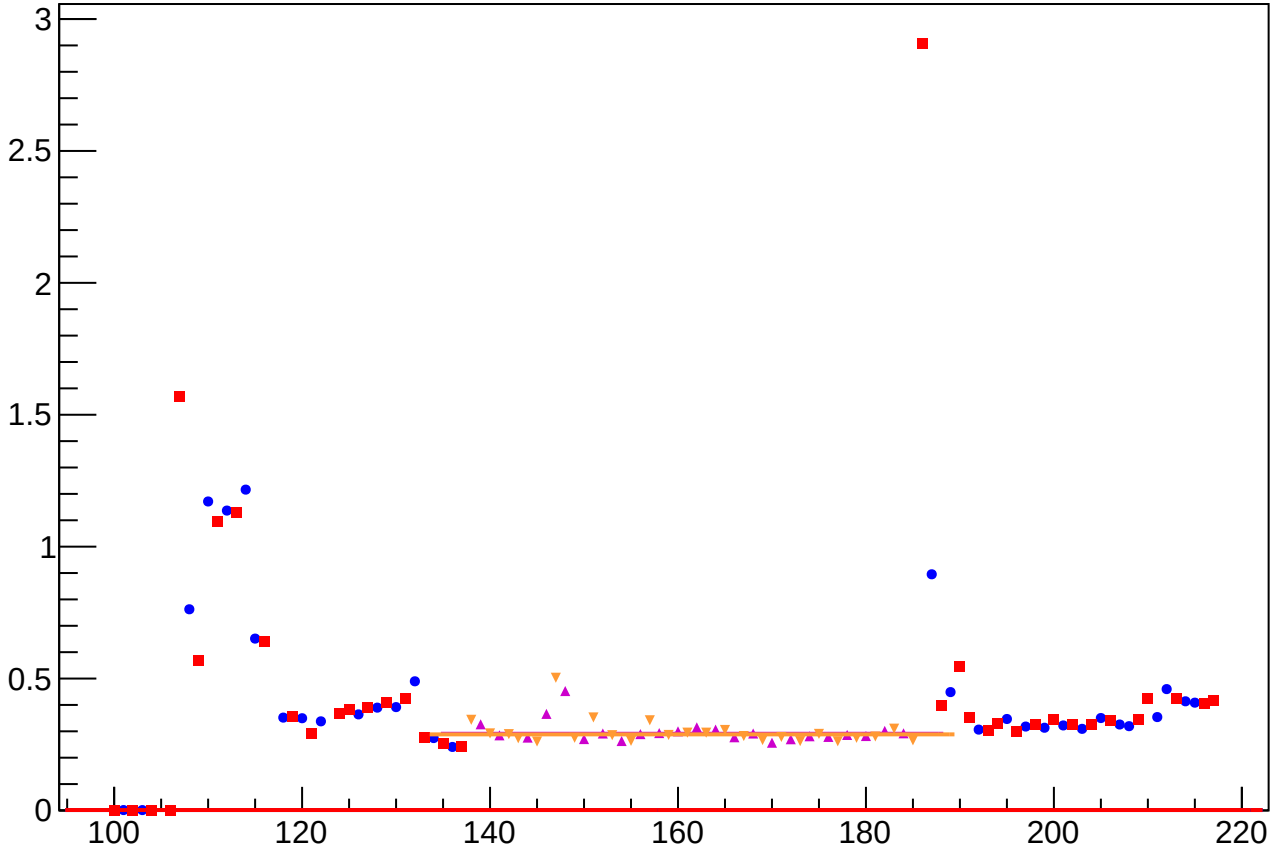
Right: 52.666+/-0.000 χ^2/NDF: 418901412032648.4

In: 61.578+/-0.000 χ^2/NDF:2998025567653.9/53

Out: 44.722+/-0.000 χ^2/NDF:367967099083518.4

All: 52.616+/-0.000 χ^2/NDF: 421994497727

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: 35740436.4/35

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

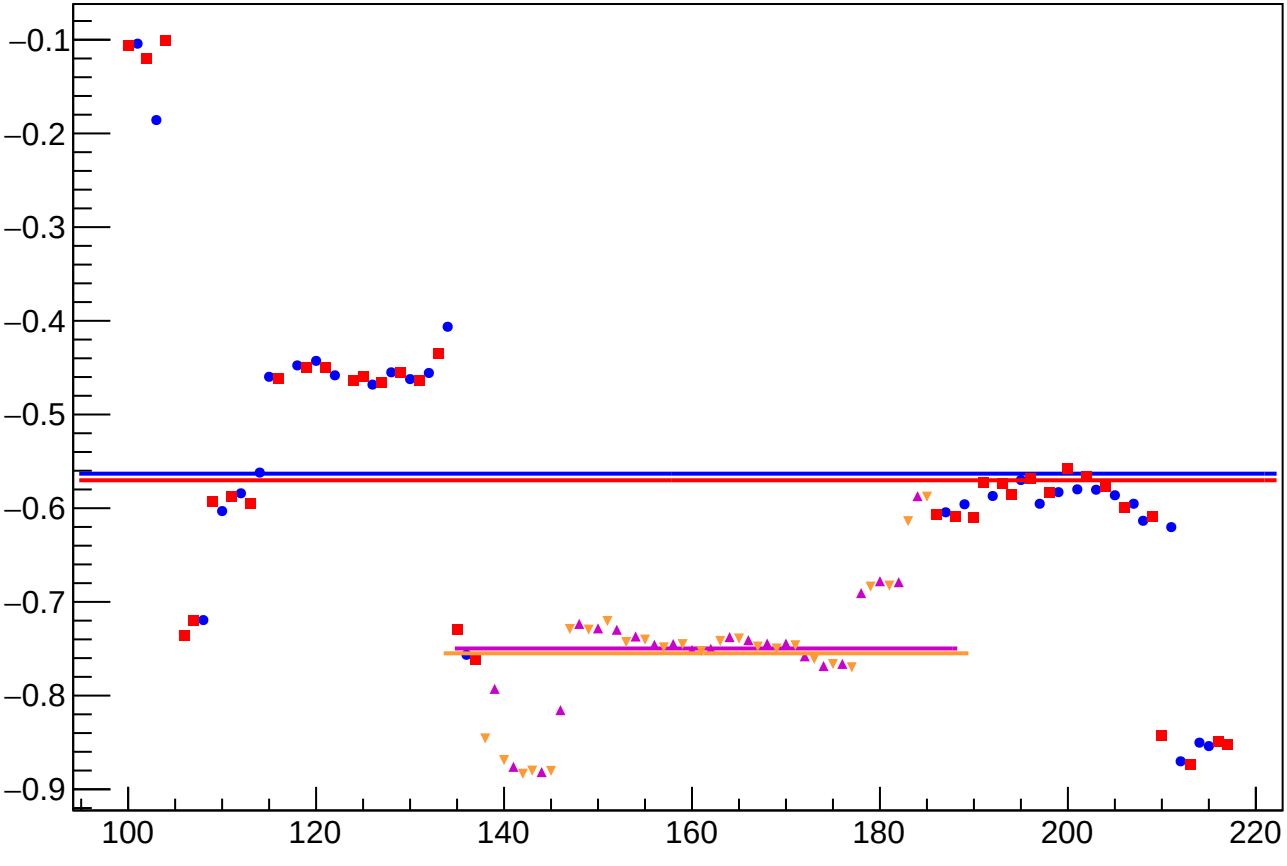
Right: 0.002+/-0.000 χ^2/NDF: 69703482.5/66

In: 0.002+/-0.000 χ^2/NDF:68850170.6/53

Out: 0.002+/-0.000 χ^2/NDF:72678924.4/60

All: 0.002+/-0.000 χ^2/NDF: 141529095.2/114

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: -0.570+/-0.000 χ^2/NDF: 322702971.0/35

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

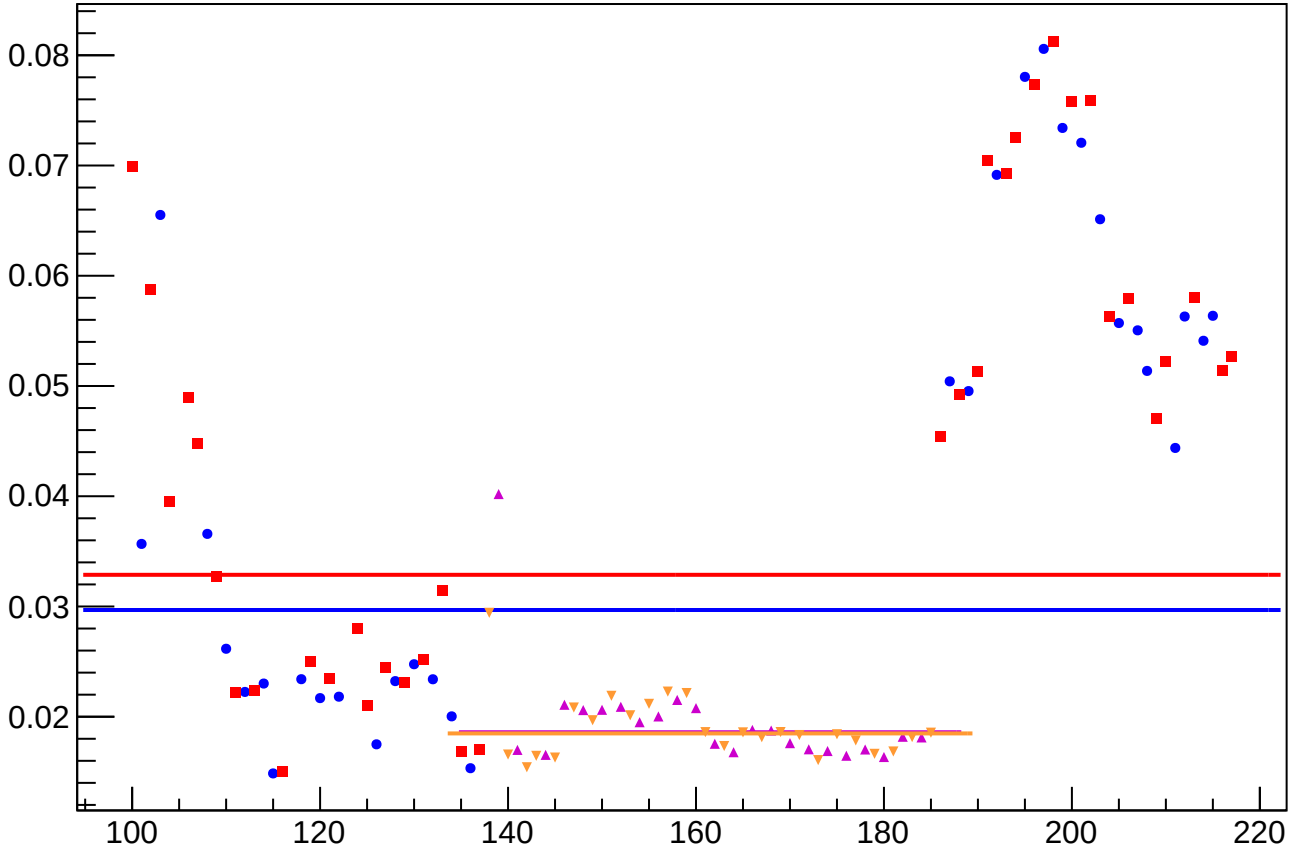
Right: -0.567+/-0.000 χ^2/NDF: 708605674.2/66

In: -0.701+/-0.000 χ^2/NDF:911736145.8/53

Out: -0.712+/-0.000 χ^2/NDF:894561916.0/60

All: -0.707+/-0.000 χ^2/NDF: 1809986076.0/1

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: 0.033+/-0.000 χ^2/NDF: 8456541.5/35

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

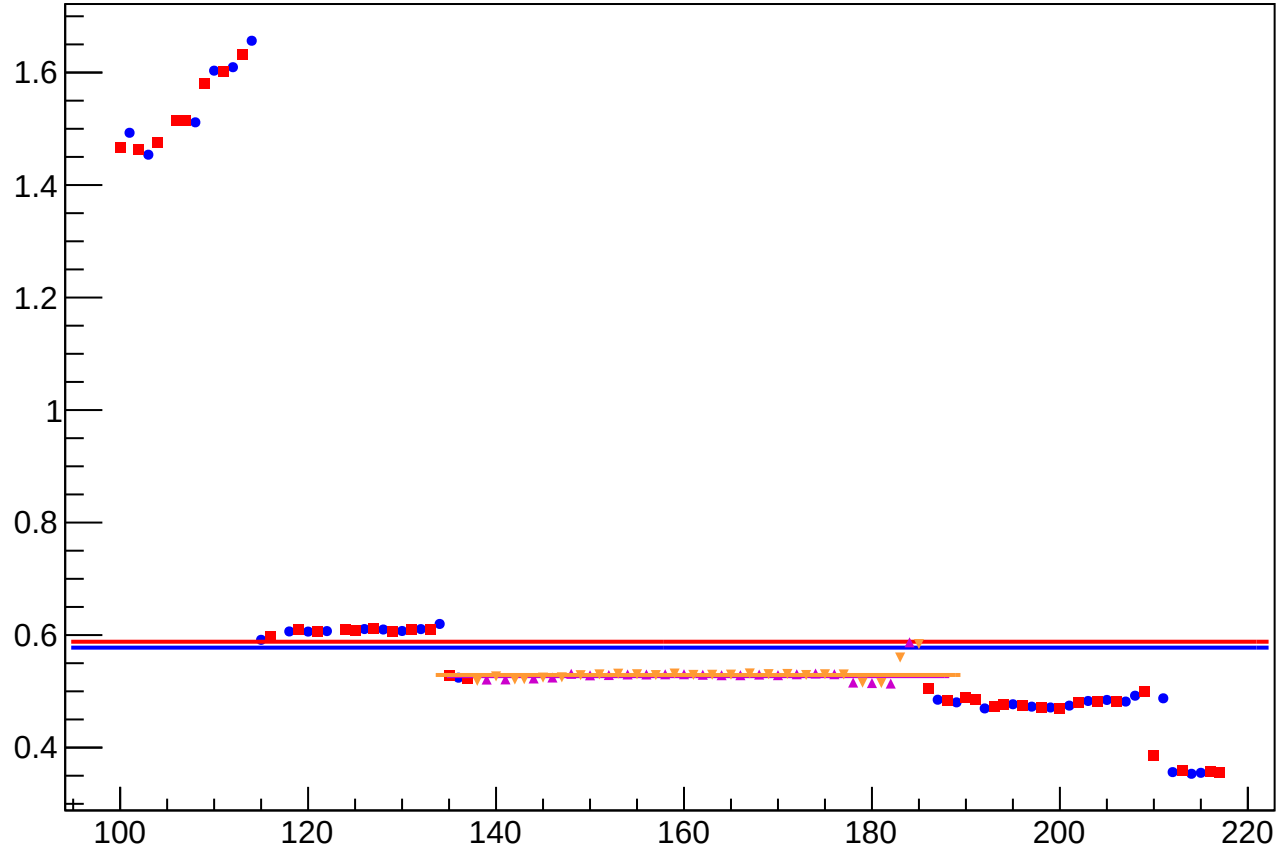
Right: 0.031+/-0.000 χ^2/NDF: 17450386.7/66

In: 0.021+/-0.000 χ^2/NDF:12308281.6/53

Out: 0.022+/-0.000 χ^2/NDF:13308606.8/60

All: 0.022+/-0.000 χ^2/NDF: 25622695.7/114

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: 0.588+/-0.000 χ^2/NDF: 7199080087.7/35

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

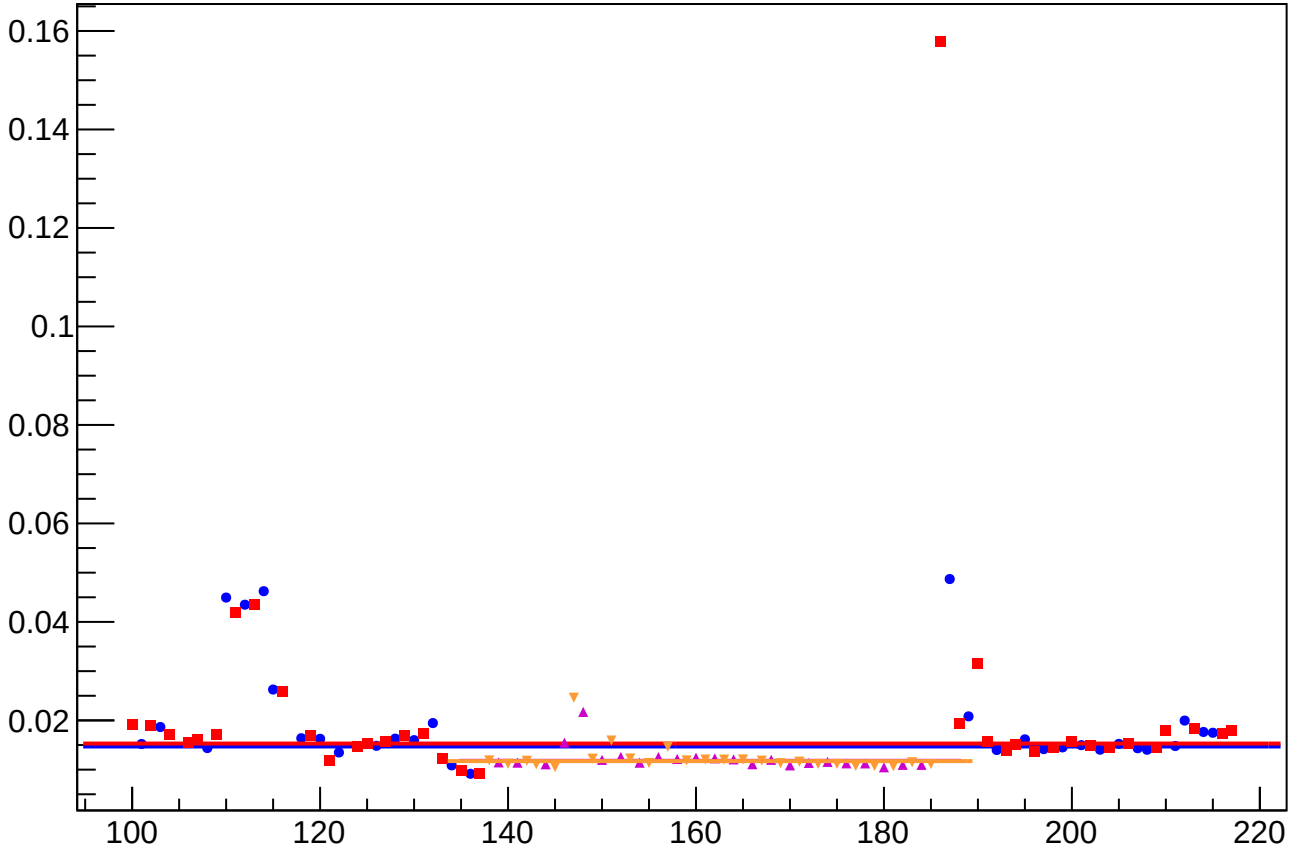
Right: 0.583+/-0.000 χ^2/NDF: 13320682623.9/66

In: 0.547+/-0.000 χ^2/NDF:6255817295.3/53

Out: 0.551+/-0.000 χ^2/NDF:7388614312.5/60

All: 0.549+/-0.000 χ^2/NDF: 13646341793.0/1

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: 2548919.8/35

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

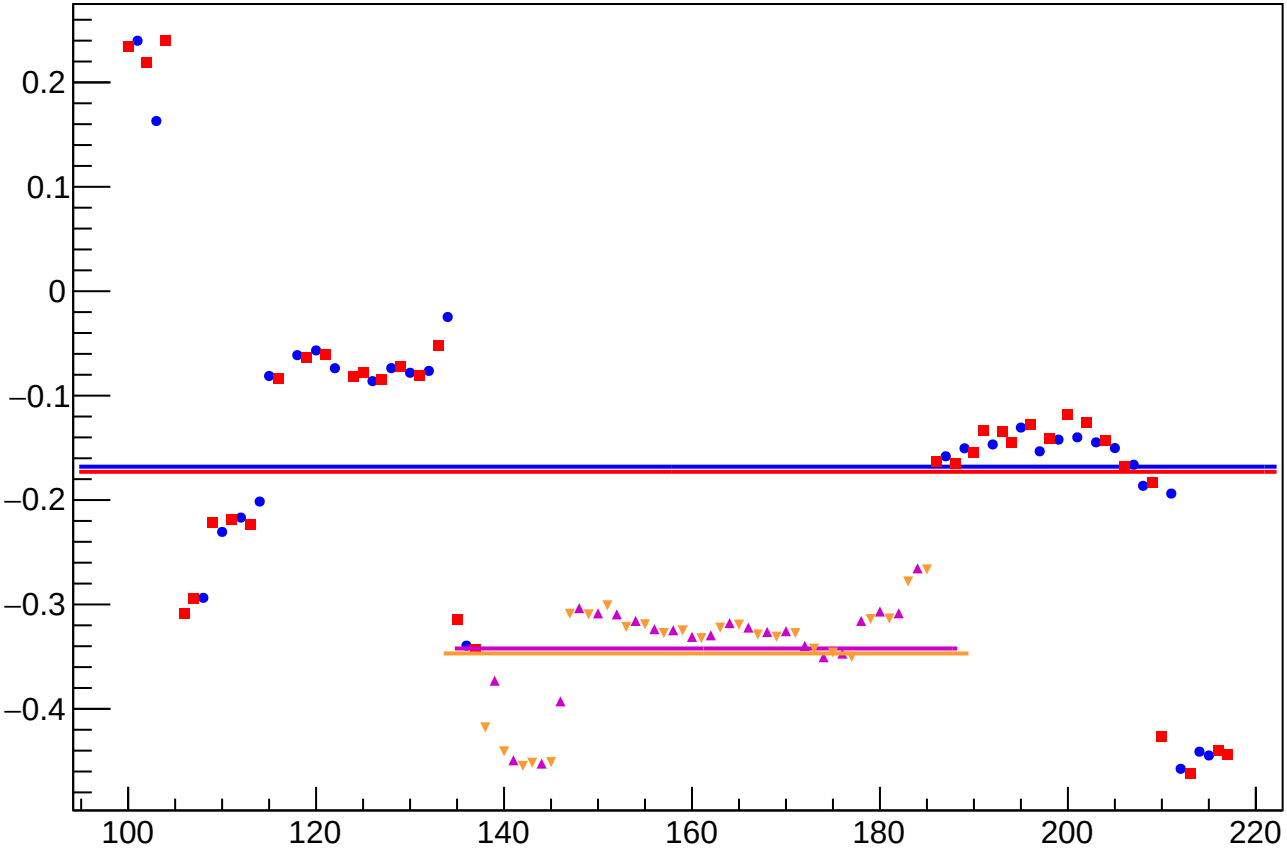
Right: 0.015+/-0.000 χ^2/NDF: 4773868.0/66

In: 0.013+/-0.000 χ^2/NDF:3547023.4/53

Out: 0.013+/-0.000 χ^2/NDF:4509686.5/60

All: 0.013+/-0.000 χ^2/NDF: 8060289.6/114

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: -0.173+/-0.000 χ^2/NDF: 305056698.3/35

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

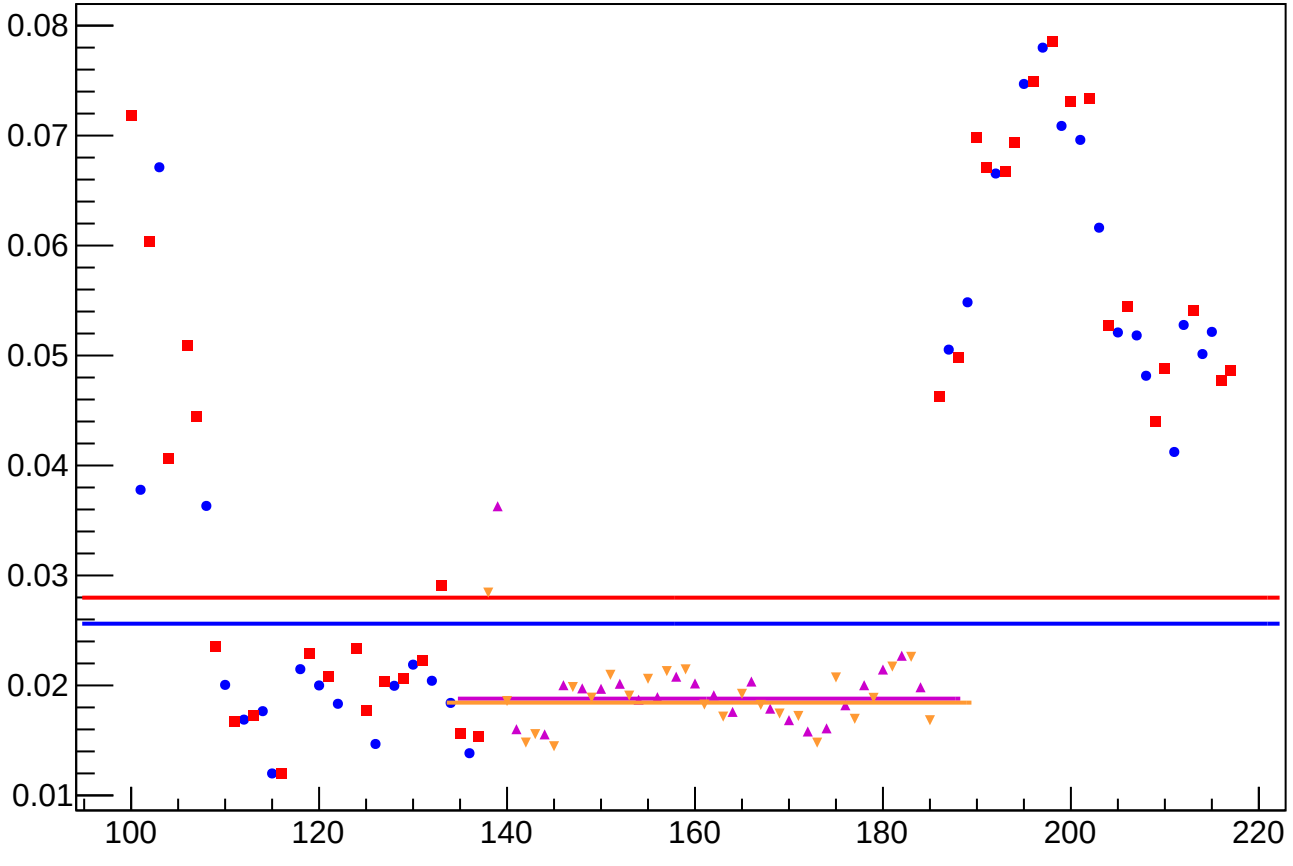
Right: -0.170+/-0.000 χ^2/NDF: 662403301.1/66

In: -0.288+/-0.000 χ^2/NDF:844945553.1/53

Out: -0.299+/-0.000 χ^2/NDF:819476827.3/60

All: -0.294+/-0.000 χ^2/NDF: 1668167147.2/1

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: 10303648.1/35

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

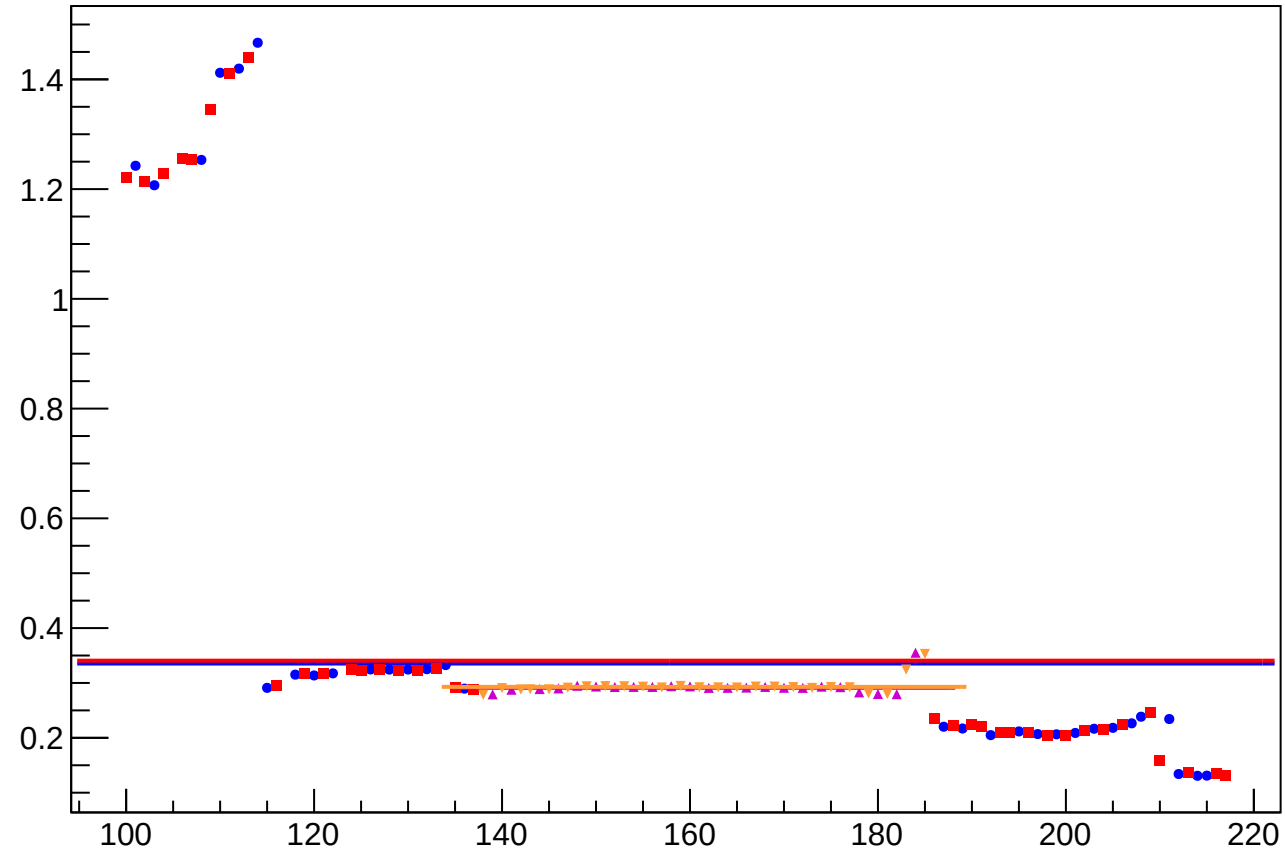
Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

Right: 0.027+/-0.000 χ^2/NDF: 20581687.8/66

In: 0.021+/-0.000 χ^2/NDF:12118603.8/53

Out: 0.021+/-0.000 χ^2/NDF:13283459.8/60

All: 0.021+/-0.000 χ^2/NDF: 25403451.4/114



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: 0.341+/-0.000 χ^2/NDF: 9811949781.6/35

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

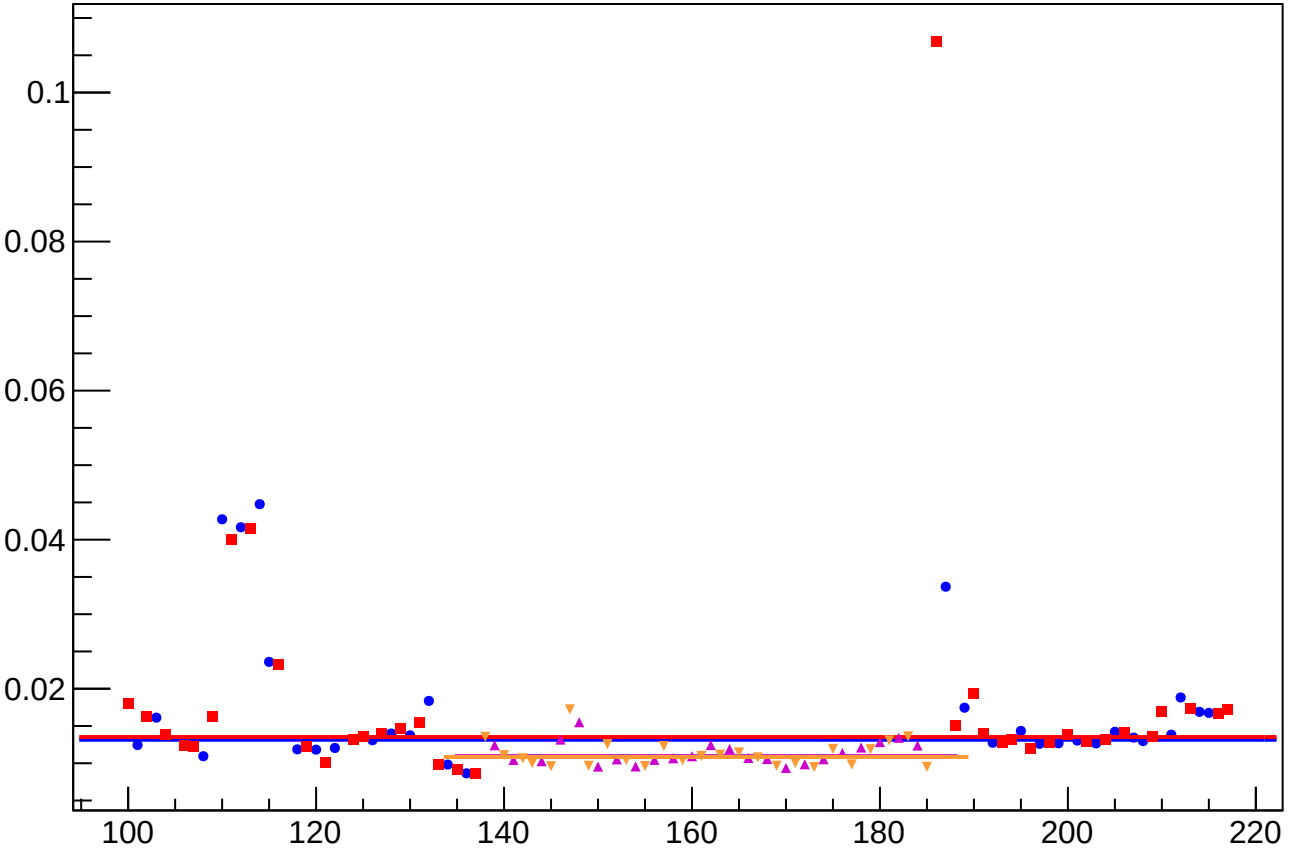
Right: 0.338+/-0.000 χ^2/NDF: 18593196579.0/66

In: 0.309+/-0.000 χ^2/NDF:8905600835.4/53

Out: 0.312+/-0.000 χ^2/NDF:9968191189.9/60

All: 0.310+/-0.000 χ^2/NDF: 18874464614.7/1

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: 0.014+/-0.000 χ^2/NDF: 2503028.9/35

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

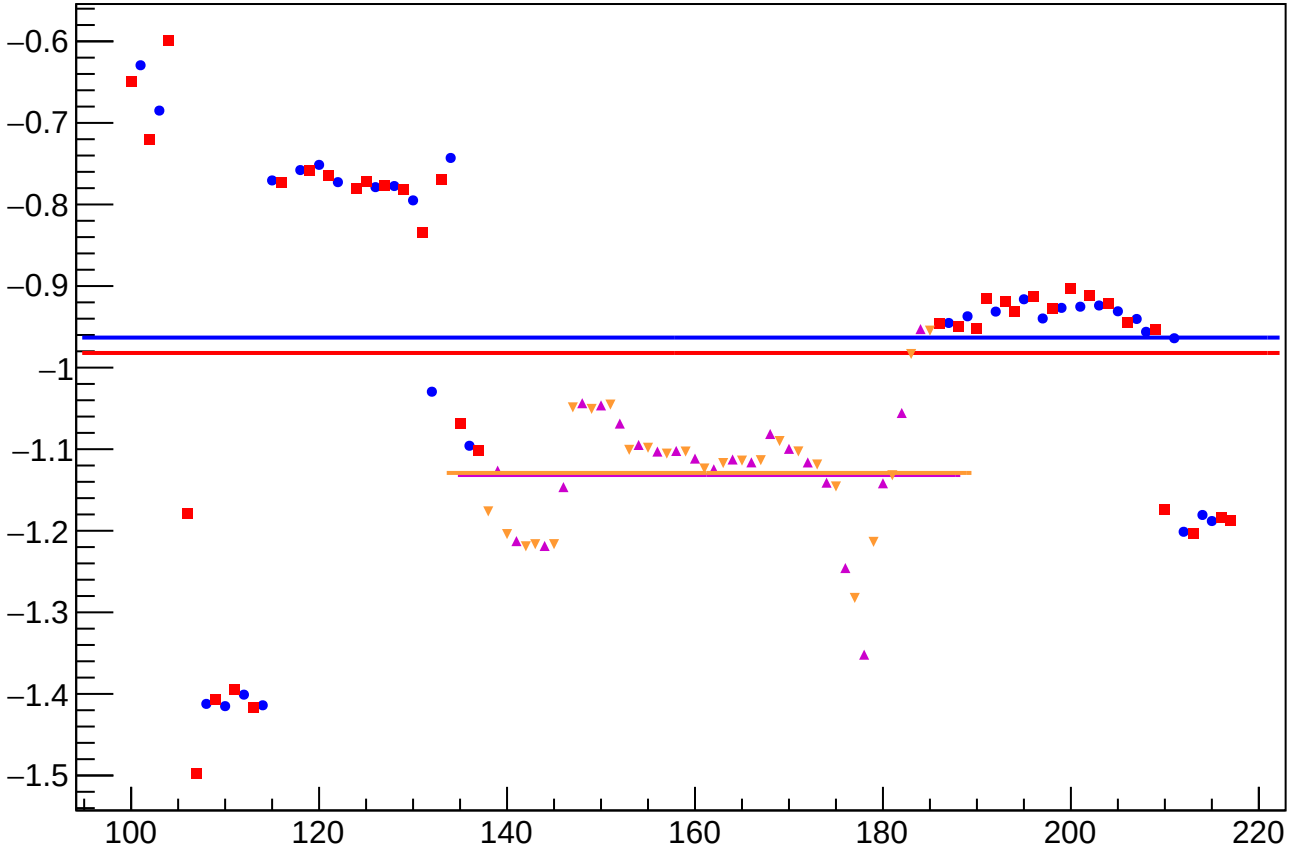
Right: 0.013+/-0.000 χ^2/NDF: 4660669.5/66

In: 0.012+/-0.000 χ^2/NDF:3227367.8/53

Out: 0.012+/-0.000 χ^2/NDF:4026206.5/60

All: 0.012+/-0.000 χ^2/NDF: 7253909.0/114

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: -0.982+/-0.000 χ^2/NDF: 773320600.8/35

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

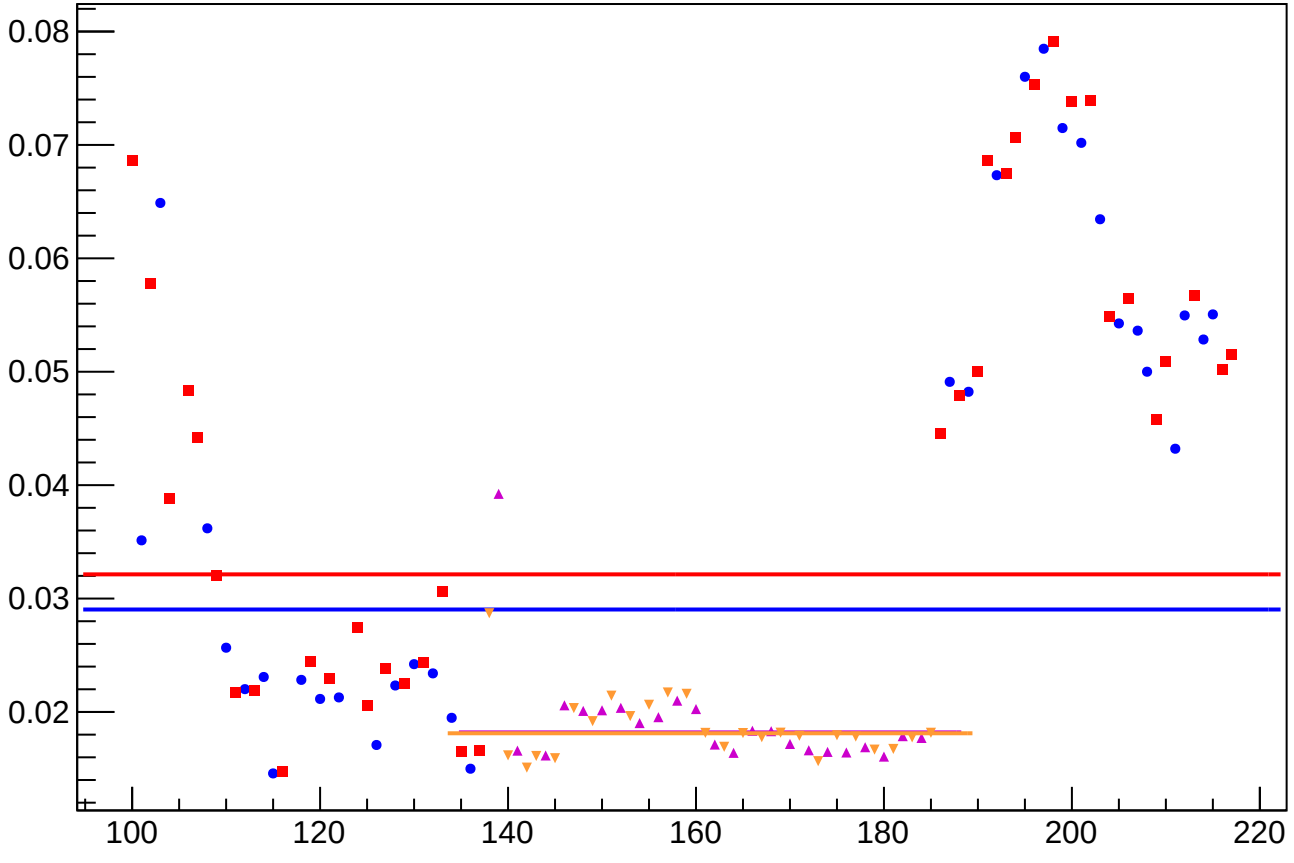
Right: -0.972+/-0.000 χ^2/NDF: 1523761782.1/66

In: -1.088+/-0.000 χ^2/NDF:1336418955.0/53

Out: -1.095+/-0.000 χ^2/NDF:1249469642.8/60

All: -1.091+/-0.000 χ^2/NDF: 2587548500.9/1

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: 8427727.0/35

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

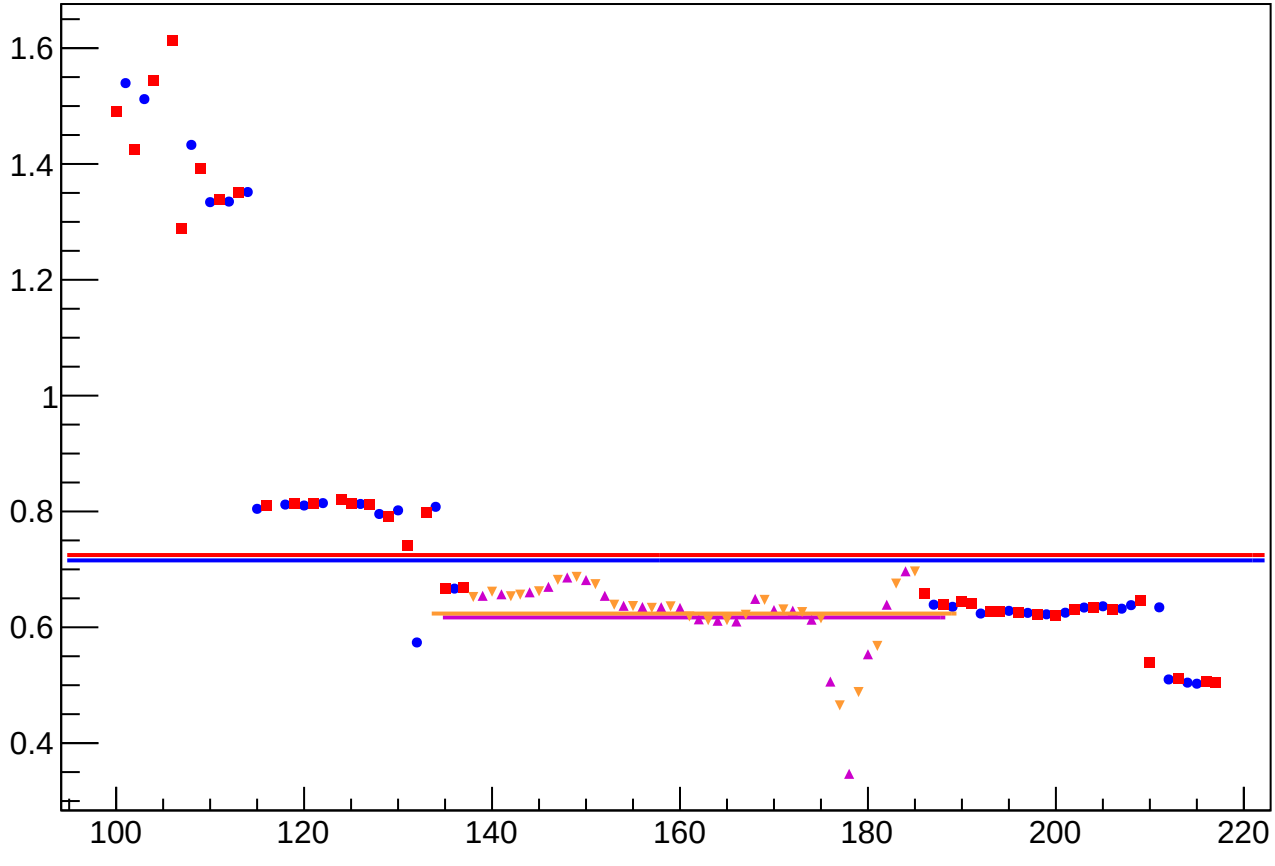
Right: 0.031+/-0.000 χ^2/NDF: 17389798.3/66

In: 0.021+/-0.000 χ^2/NDF:12259419.3/53

Out: 0.021+/-0.000 χ^2/NDF:13224375.4/60

All: 0.021+/-0.000 χ^2/NDF: 25490596.4/114

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: 0.725+/-0.000 χ^2/NDF: 4747380286.7/35

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

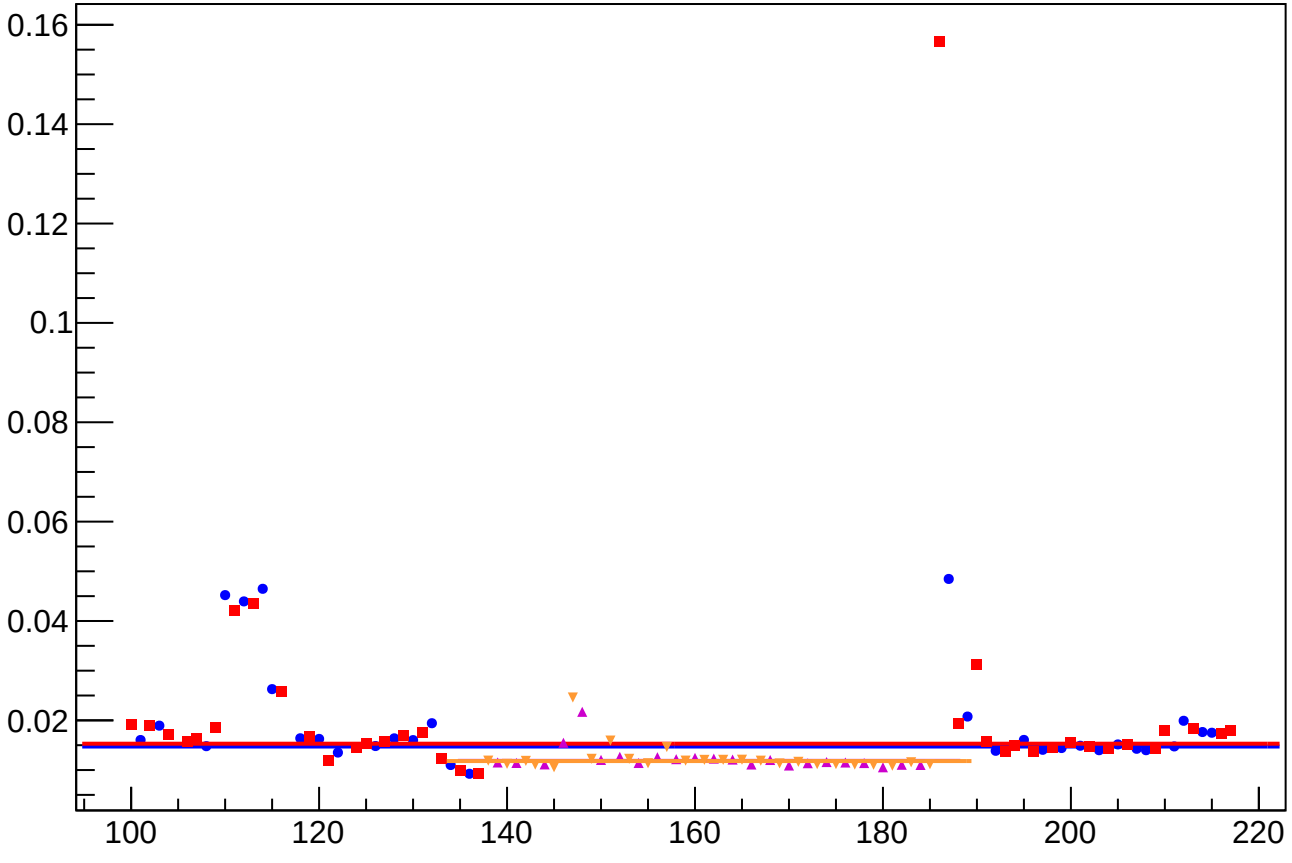
Right: 0.720+/-0.000 χ^2/NDF: 9035541506.6/66

In: 0.655+/-0.000 χ^2/NDF:5401656876.3/53

Out: 0.661+/-0.000 χ^2/NDF:5651010490.7/60

All: 0.658+/-0.000 χ^2/NDF: 11056425404.4/1

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: 2554518.6/35

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

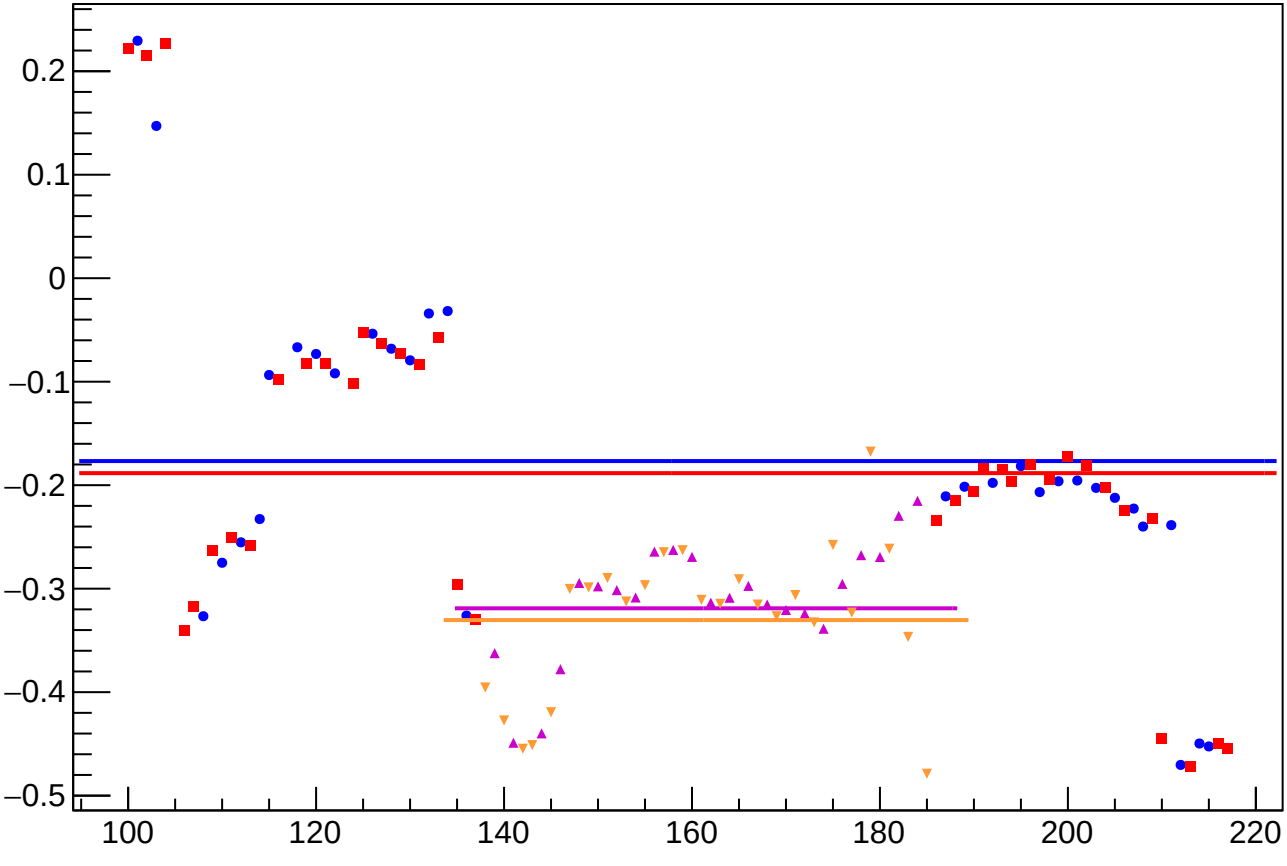
Right: 0.015+/-0.000 χ^2/NDF: 4755374.6/66

In: 0.013+/-0.000 χ^2/NDF:3494595.4/53

Out: 0.013+/-0.000 χ^2/NDF:4431451.5/60

All: 0.013+/-0.000 χ^2/NDF: 7930065.5/114

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: -0.188+/-0.000 χ^2/NDF: 301120390.3/35

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

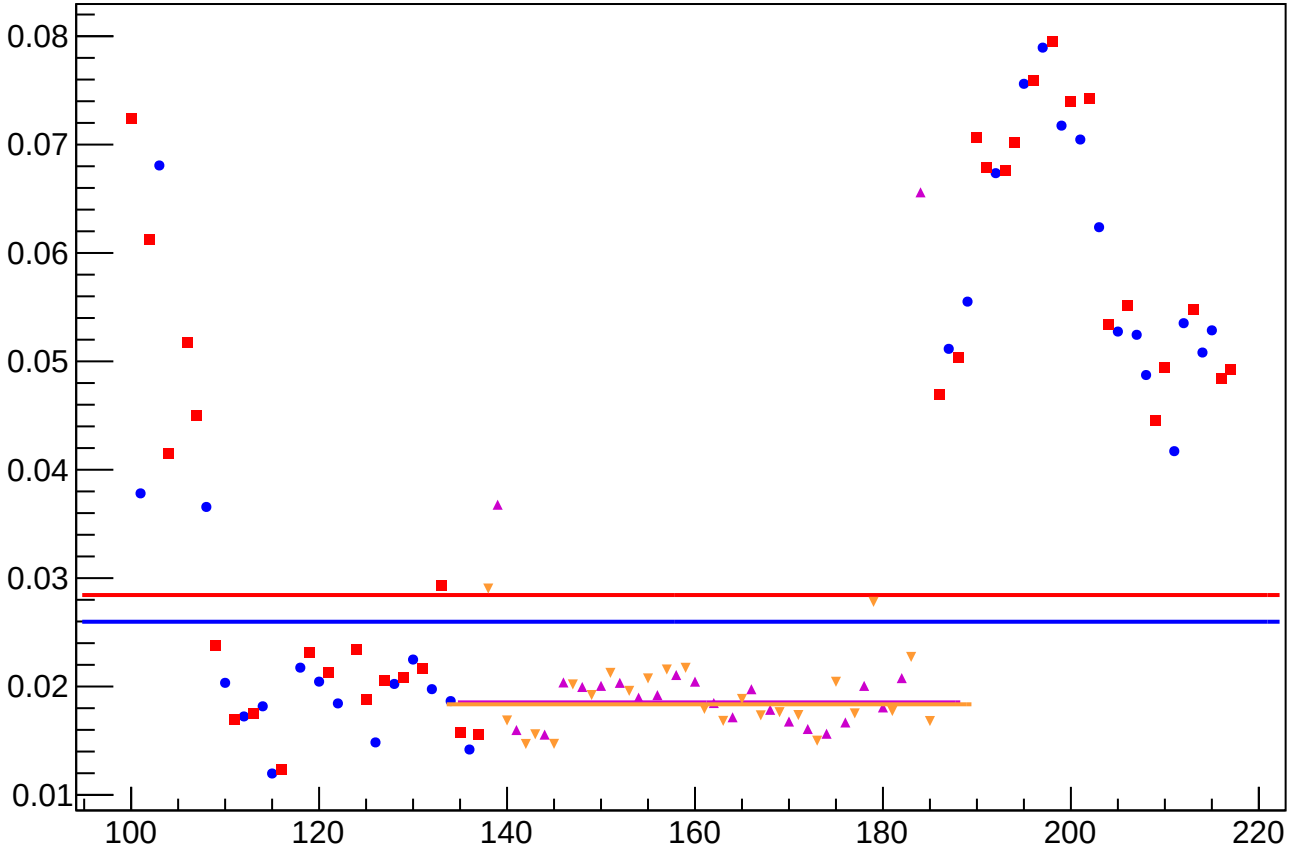
Right: -0.182+/-0.000 χ^2/NDF: 663688321.3/66

In: -0.276+/-0.000 χ^2/NDF:753636127.0/53

Out: -0.292+/-0.000 χ^2/NDF:735437207.4/60

All: -0.284+/-0.000 χ^2/NDF: 1496968565.0/1

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: 10239571.4/35

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

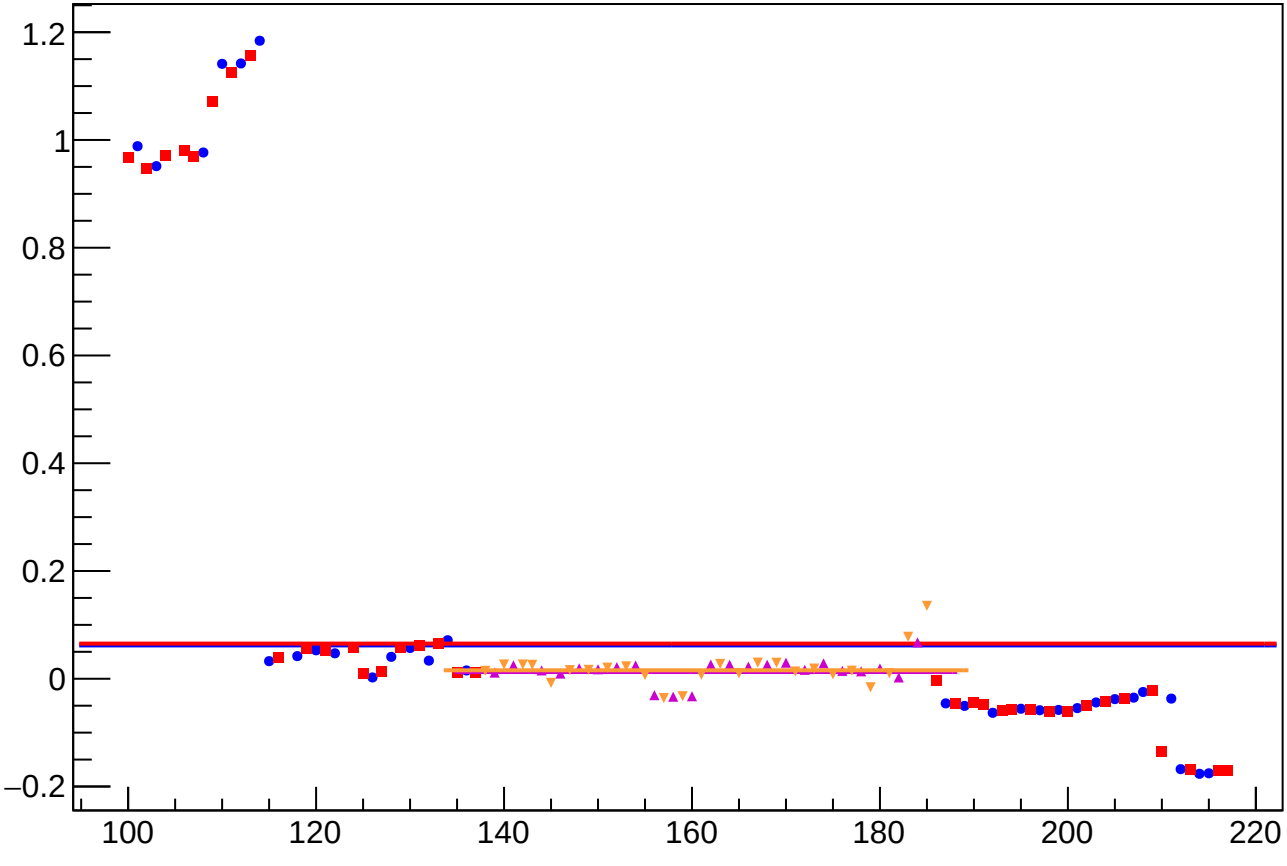
Right: 0.027+/-0.000 χ^2/NDF: 20481762.3/66

In: 0.021+/-0.000 χ^2/NDF:12498553.7/53

Out: 0.021+/-0.000 χ^2/NDF:13513021.4/60

All: 0.021+/-0.000 χ^2/NDF: 26017437.7/114

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: 0.065+/-0.000 χ^2/NDF: 9844202325.5/35

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

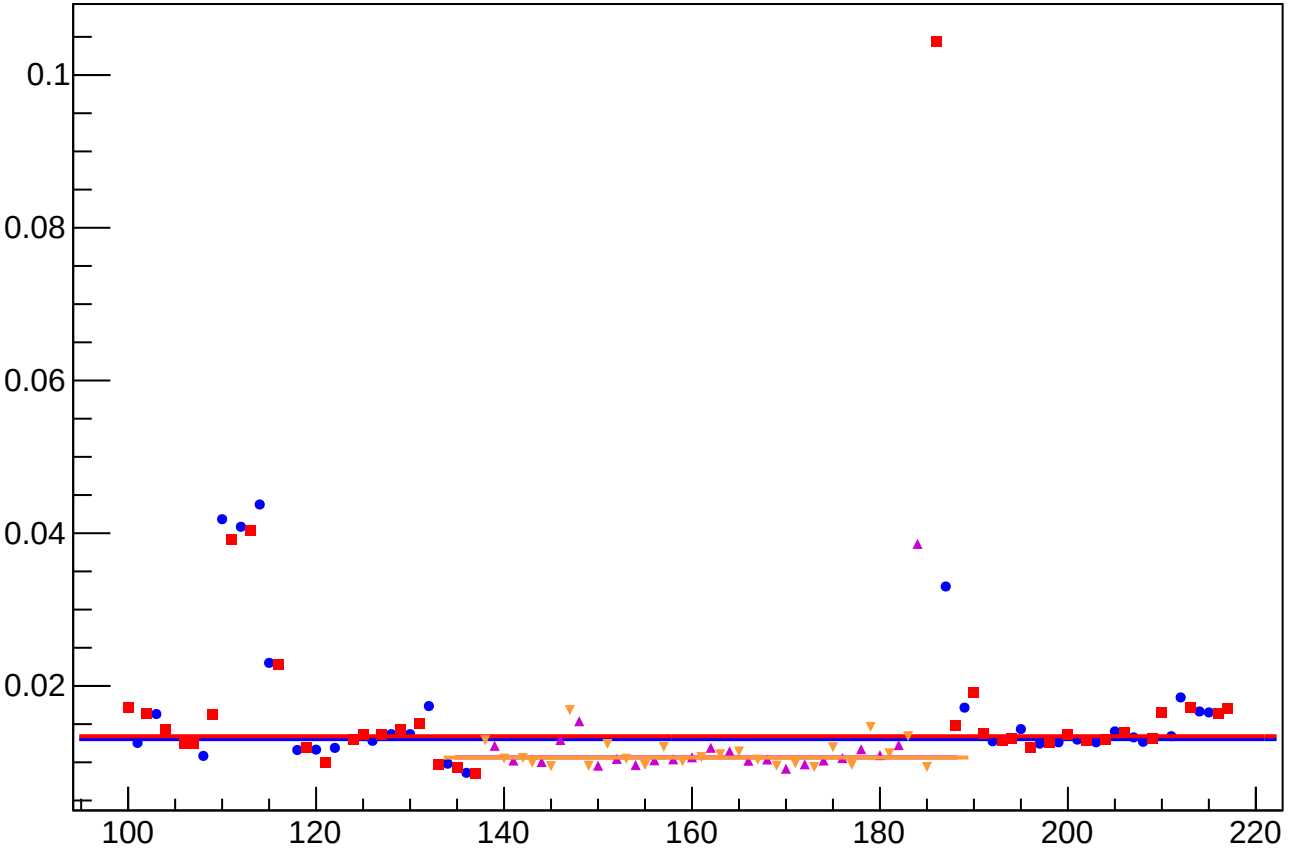
Right: 0.064+/-0.000 χ^2/NDF: 18821504055.0/66

In: 0.032+/-0.000 χ^2/NDF:9183196697.6/53

Out: 0.035+/-0.000 χ^2/NDF:10100533123.2/60

All: 0.034+/-0.000 χ^2/NDF: 19284667469.3/1

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: 2424574.3/35

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

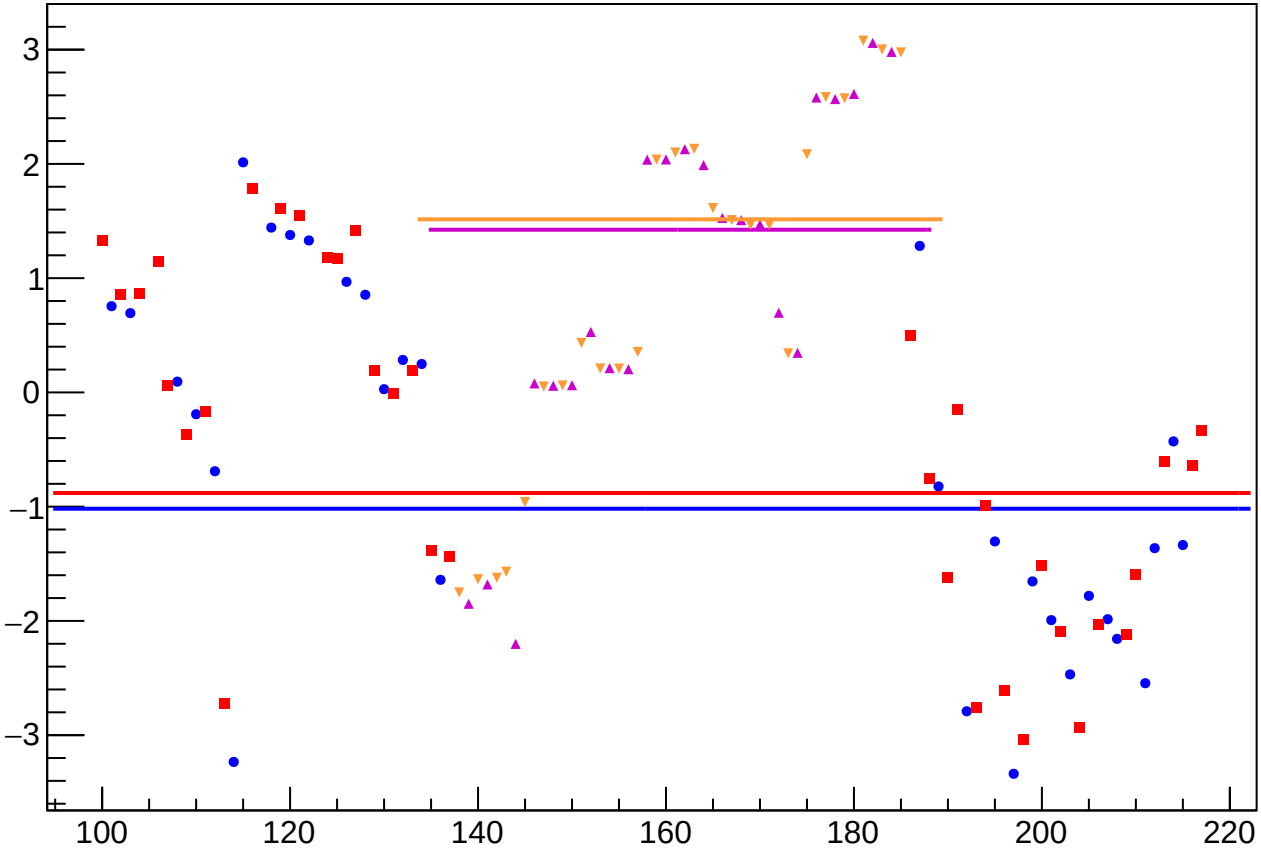
Right: 0.013+/-0.000 χ^2/NDF: 4529948.2/66

In: 0.012+/-0.000 χ^2/NDF:3355810.2/53

Out: 0.012+/-0.000 χ^2/NDF:4011110.1/60

All: 0.012+/-0.000 χ^2/NDF: 7369910.0/114

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: -0.880+/-0.000 χ^2/NDF: 9780308858.5/35

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

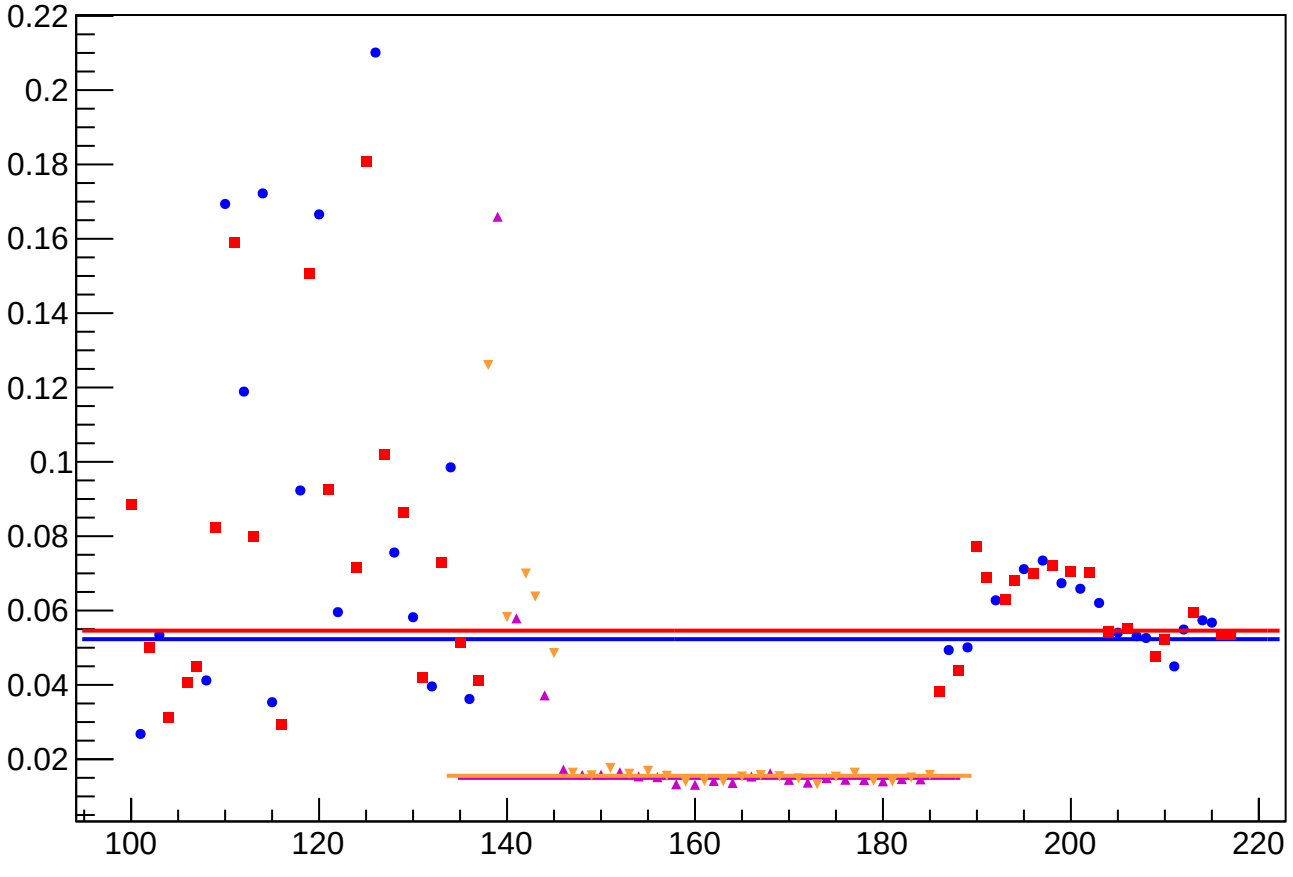
Right: -0.948+/-0.000 χ^2/NDF: 19534115221.5/66

In: 1.229+/-0.000 χ^2/NDF:107395833601.1/53

Out: 1.315+/-0.000 χ^2/NDF:106622405063.3/60

All: 1.271+/-0.000 χ^2/NDF: 214267958319.8

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: 3197251.4/35

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

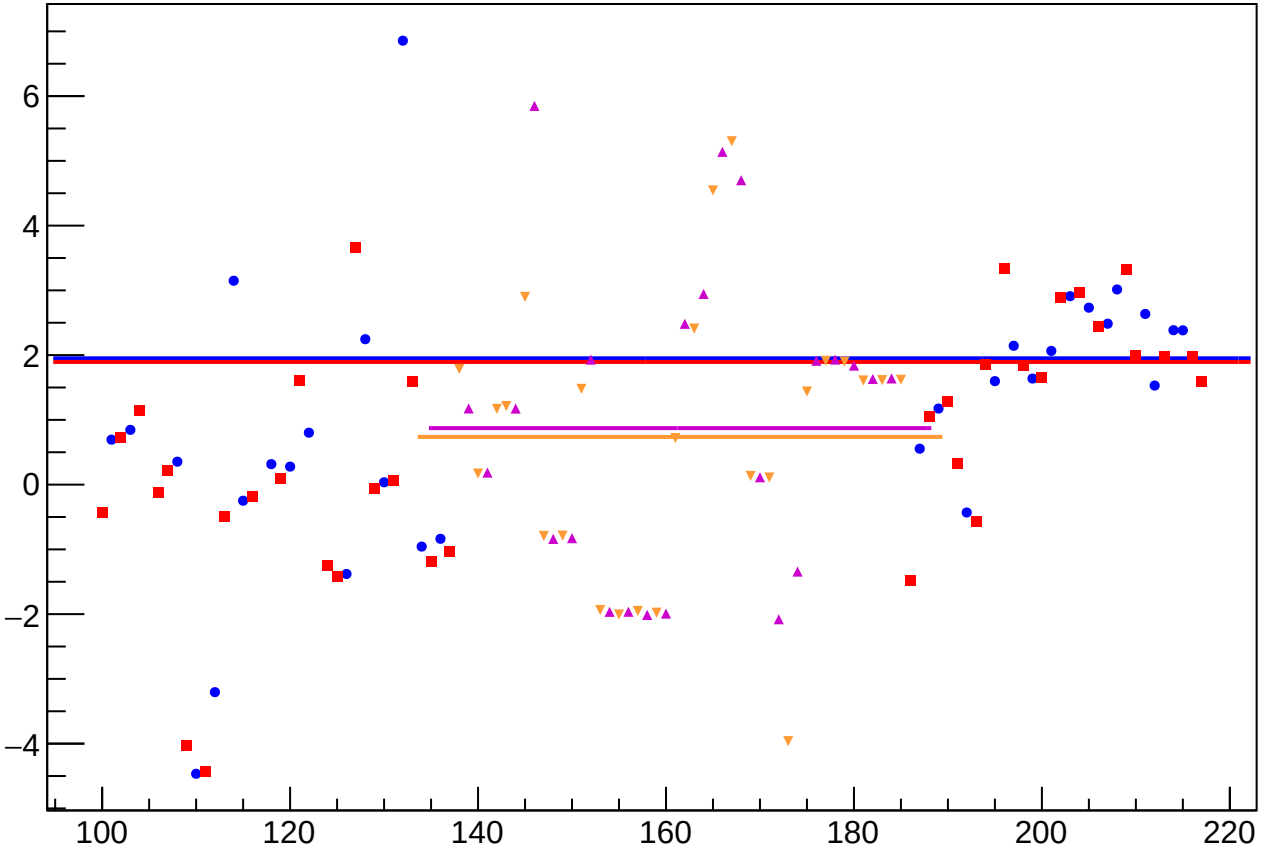
Right: 0.053+/-0.000 χ^2/NDF: 6848303.5/66

In: 0.018+/-0.000 χ^2/NDF:19655458.4/53

Out: 0.019+/-0.000 χ^2/NDF:21622262.5/60

All: 0.018+/-0.000 χ^2/NDF: 41325380.3/114

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: 1.895+/-0.000 χ^2/NDF: 44802060826.3/35

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

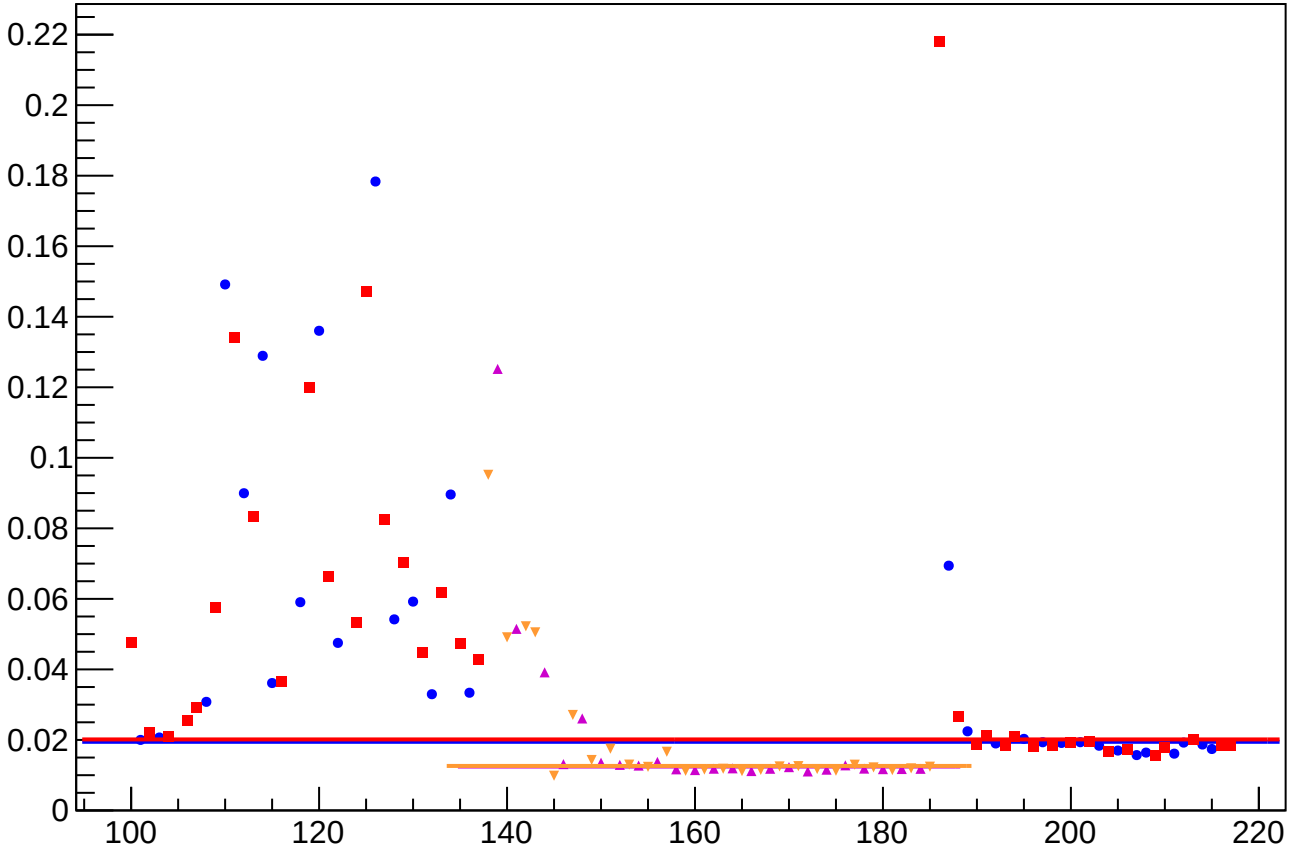
Right: 1.923+/-0.000 χ^2/NDF: 86425132627.6/66

In: 1.157+/-0.000 χ^2/NDF:692120824101.4/53

Out: 1.045+/-0.000 χ^2/NDF:616207998878.4/60

All: 1.101+/-0.000 χ^2/NDF: 1309175235232.

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: 5556936.5/35

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

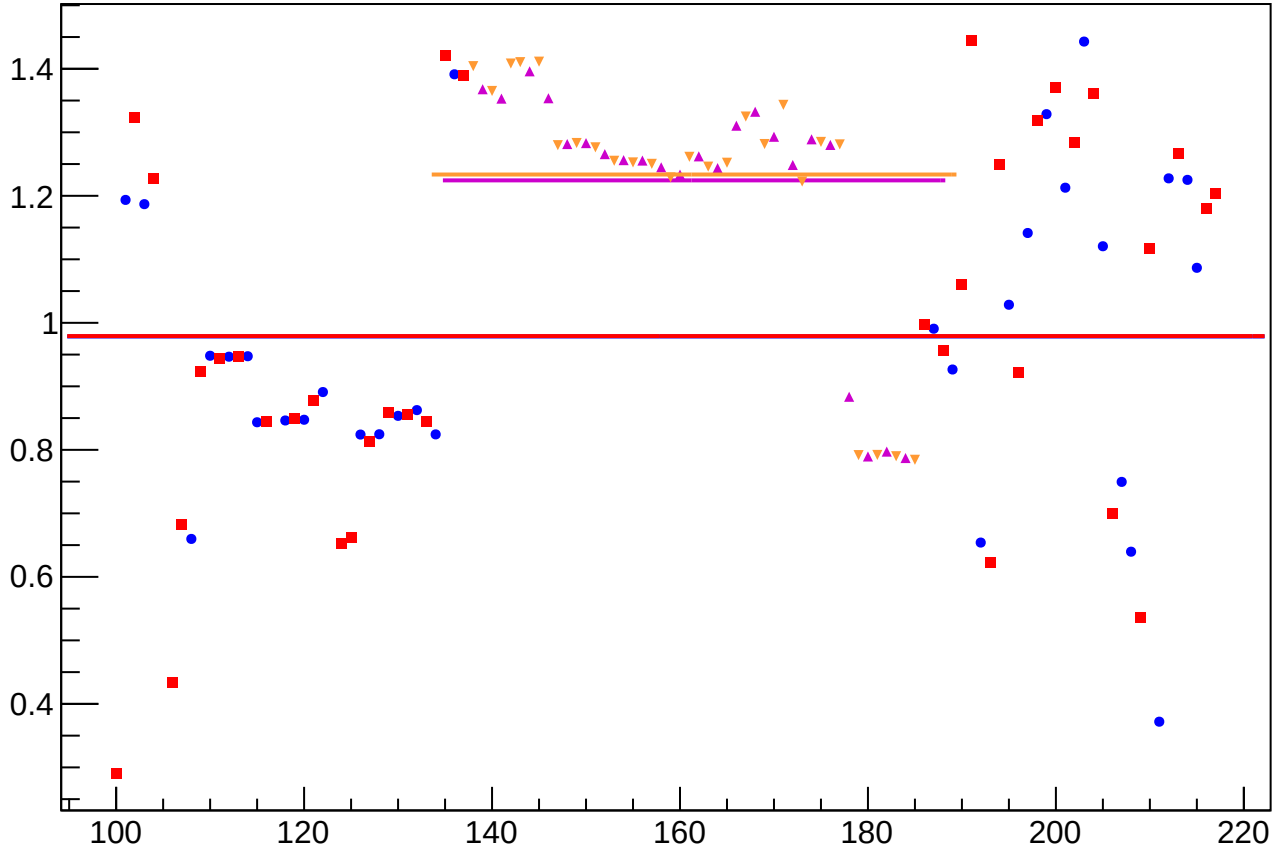
Right: 0.020+/-0.000 χ^2/NDF: 10073994.3/66

In: 0.014+/-0.000 χ^2/NDF:9827919.4/53

Out: 0.015+/-0.000 χ^2/NDF:11735534.0/60

All: 0.014+/-0.000 χ^2/NDF: 21577074.8/114

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: 0.979+/-0.000 χ^2/NDF: 2600548034.1/35

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

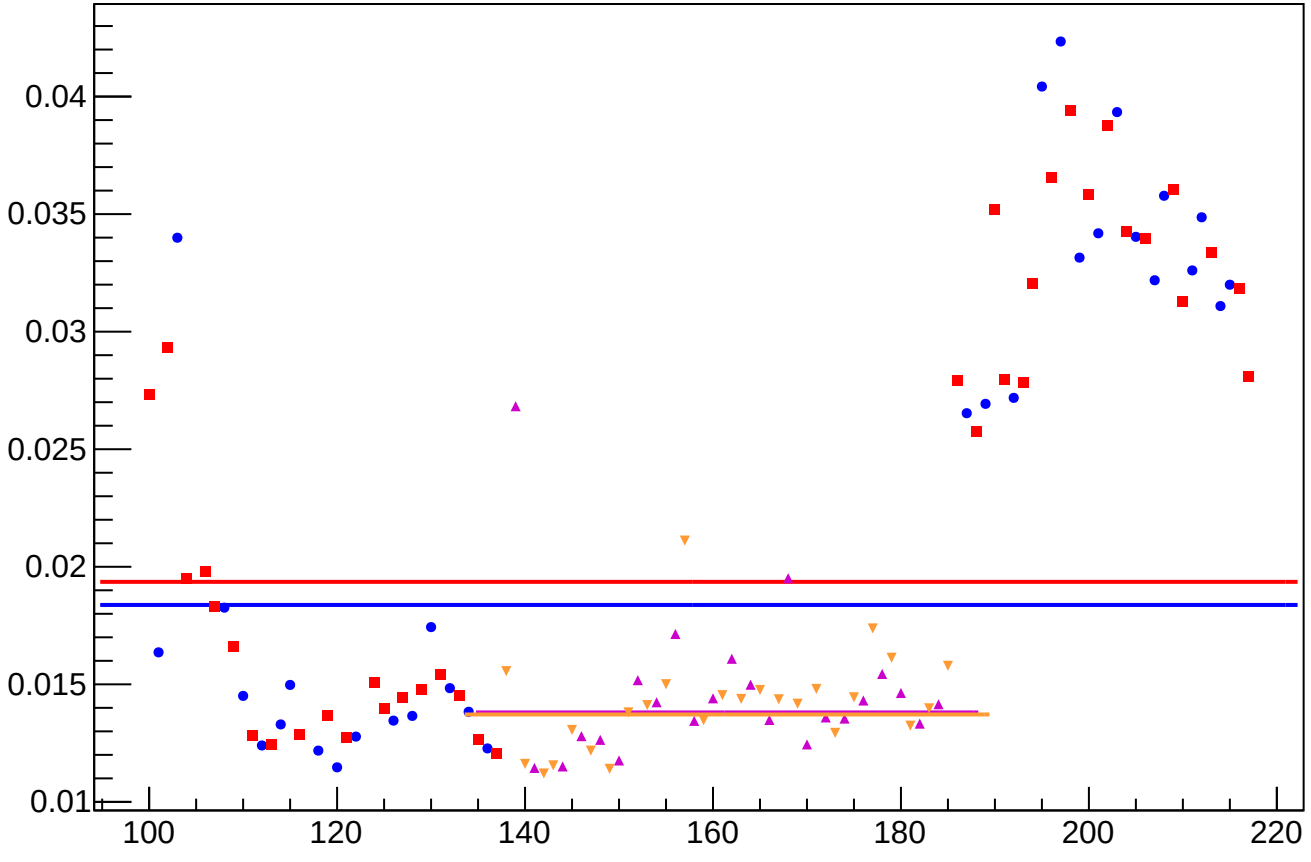
Right: 0.979+/-0.000 χ^2/NDF: 4888957166.9/66

In: 1.143+/-0.000 χ^2/NDF:6654171578.9/53

Out: 1.152+/-0.000 χ^2/NDF:7510312439.1/60

All: 1.147+/-0.000 χ^2/NDF: 14170488236.0/1

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: 6100811.6/35

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

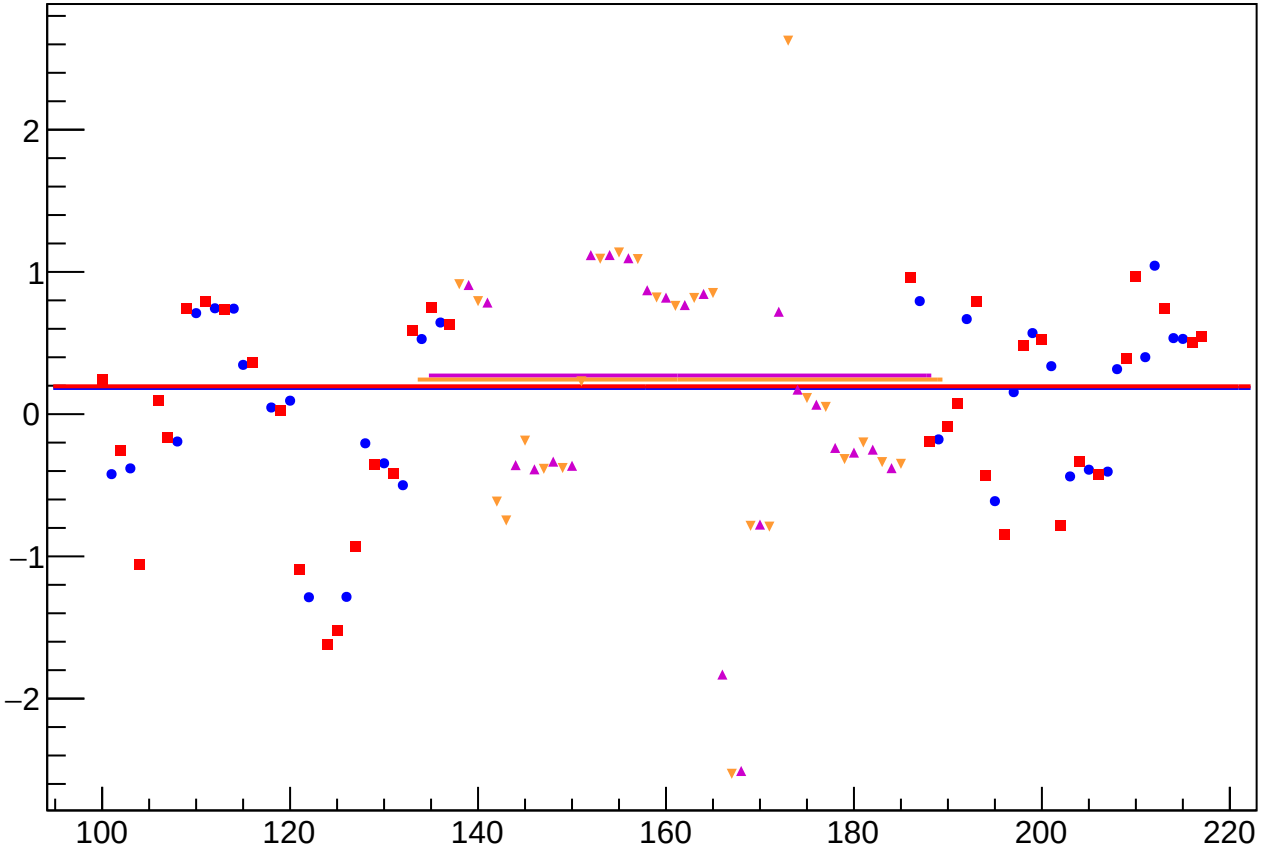
Right: 0.019+/-0.000 χ^2/NDF: 12646761.1/66

In: 0.015+/-0.000 χ^2/NDF:8559878.9/53

Out: 0.016+/-0.000 χ^2/NDF:8486659.8/60

All: 0.015+/-0.000 χ^2/NDF: 17051576.8/114

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: 0.196+/-0.000 χ^2/NDF: 50301934932.5/35

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

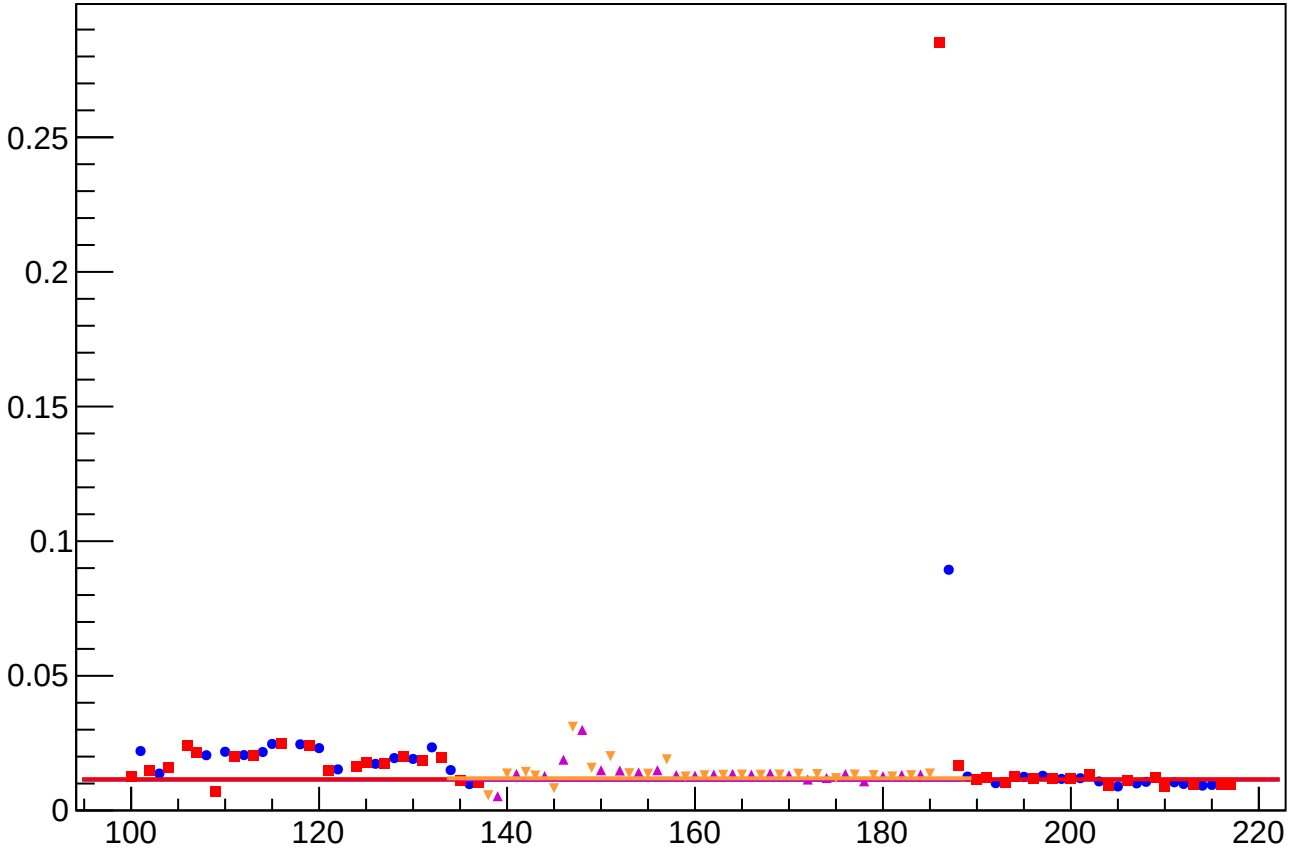
Right: 0.190+/-0.000 χ^2/NDF: 85864451799.2/66

In: 0.227+/-0.000 χ^2/NDF:126508060397.8/53

Out: 0.219+/-0.000 χ^2/NDF:156030988713.0/60

All: 0.223+/-0.000 χ^2/NDF: 282547981394.3

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: 3357280.6/35

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

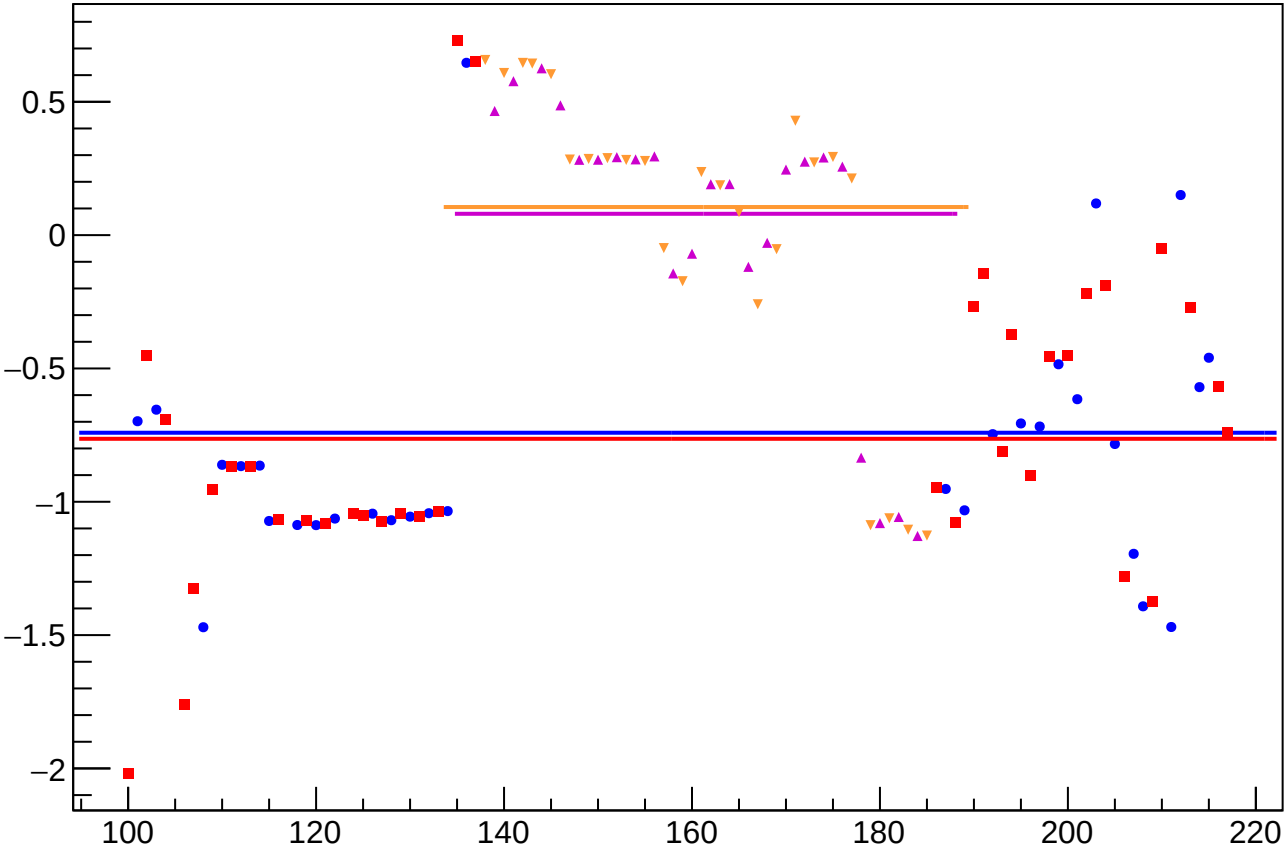
Right: 0.012+/-0.000 χ^2/NDF: 6201814.4/66

In: 0.011+/-0.000 χ^2/NDF:6514595.4/53

Out: 0.012+/-0.000 χ^2/NDF:6641454.8/60

All: 0.012+/-0.000 χ^2/NDF: 13173748.9/114

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: 2245973604.5/35

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

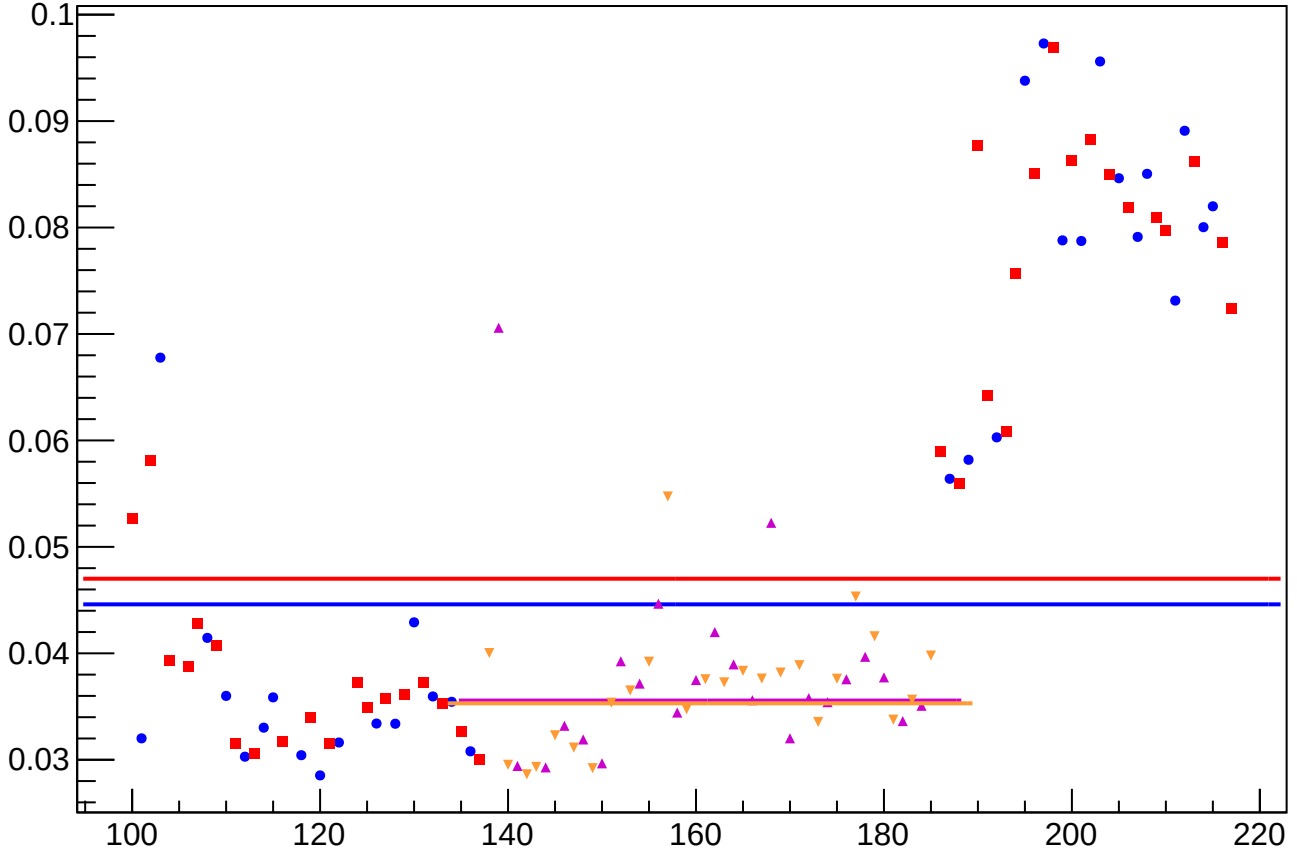
Right: -0.752+/-0.000 χ^2/NDF: 4654342650.3/66

In: -0.222+/-0.000 χ^2/NDF:8830907505.1/53

Out: -0.200+/-0.000 χ^2/NDF:9619929054.8/60

All: -0.211+/-0.000 χ^2/NDF: 18455587574.3/

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: 0.047+/-0.000 χ^2/NDF: 5699484.3/35

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

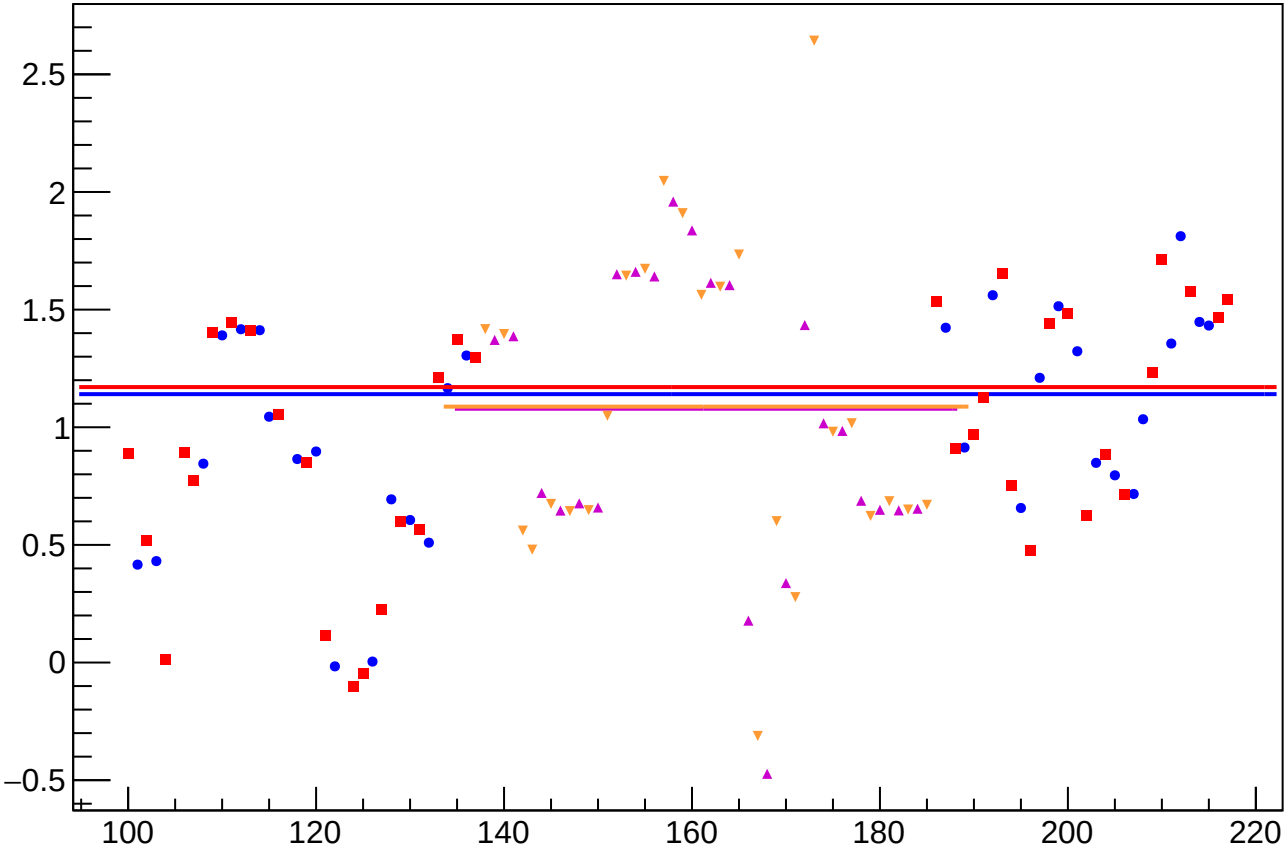
Right: 0.046+/-0.000 χ^2/NDF: 12013245.5/66

In: 0.039+/-0.000 χ^2/NDF:7995898.8/53

Out: 0.039+/-0.000 χ^2/NDF:7613253.9/60

All: 0.039+/-0.000 χ^2/NDF: 15615012.5/114

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: 1.171+/-0.000 χ^2/NDF: 64312640182.6/35

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

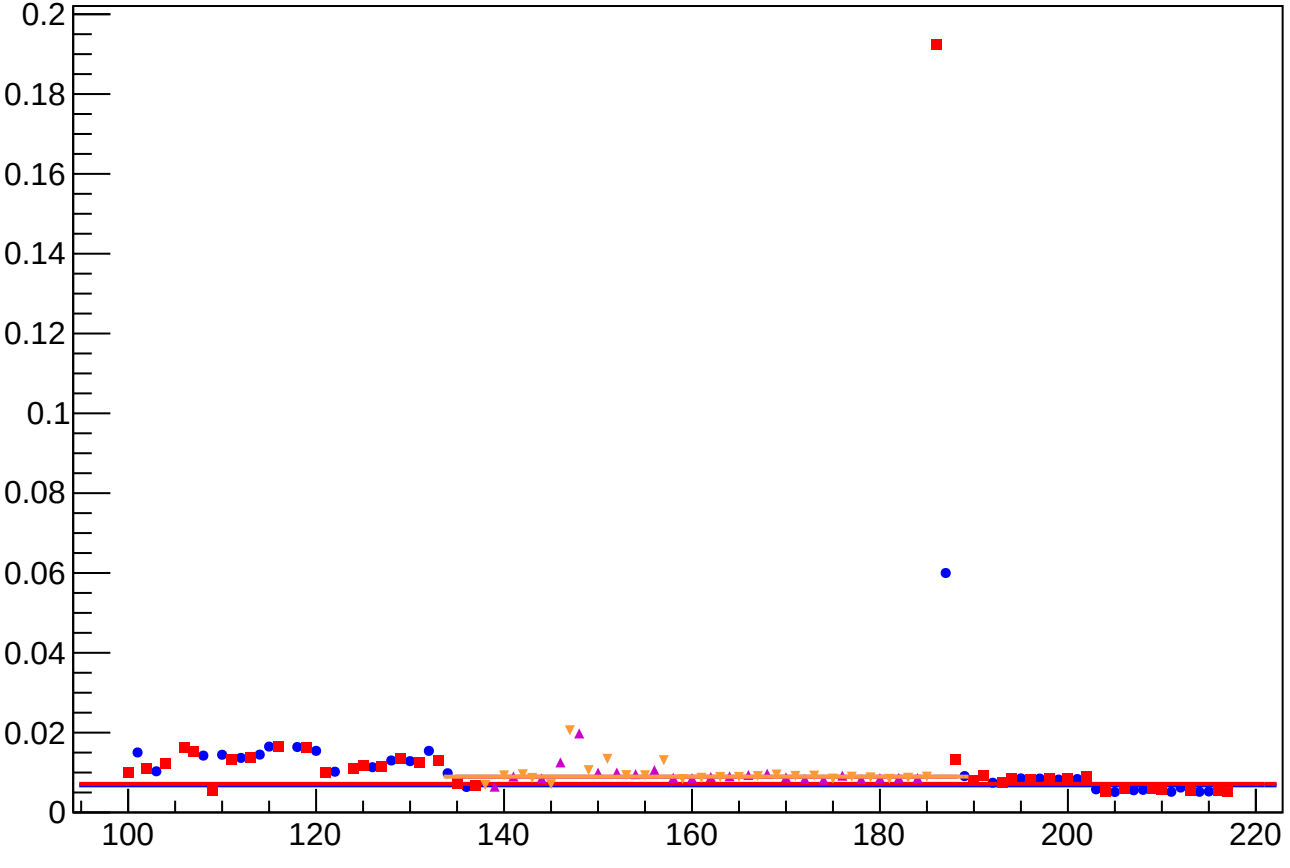
Right: 1.155+/-0.000 χ^2/NDF: 115636938053.7/66

In: 1.117+/-0.000 χ^2/NDF:125758235981.1/53

Out: 1.137+/-0.000 χ^2/NDF:159081923242.4/60

All: 1.127+/-0.000 χ^2/NDF: 284949759477.0

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: 4551632.7/35

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

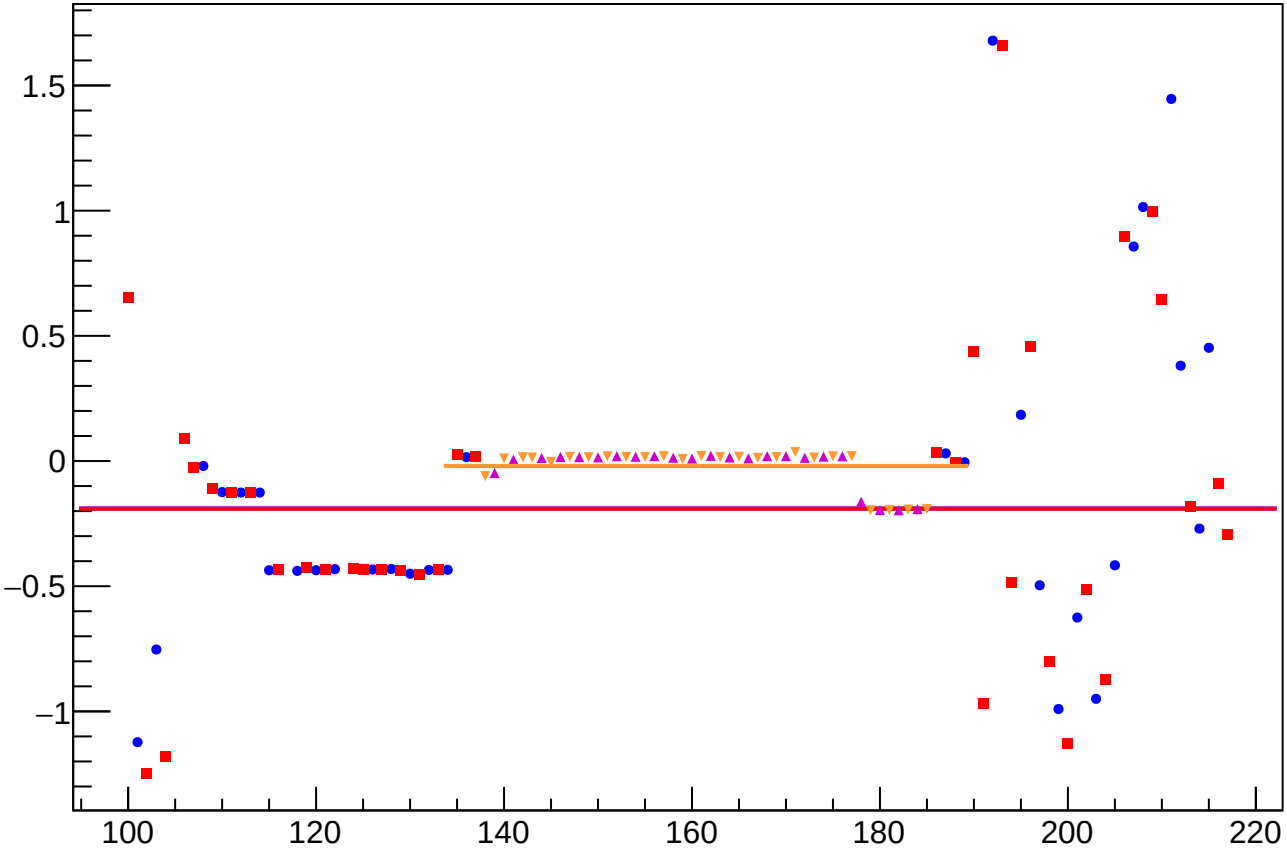
Right: 0.007+/-0.000 χ^2/NDF: 8777079.1/66

In: 0.008+/-0.000 χ^2/NDF:6358164.8/53

Out: 0.008+/-0.000 χ^2/NDF:6568569.0/60

All: 0.008+/-0.000 χ^2/NDF: 12970565.1/114

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.190+/-0.000 χ^2/NDF: 6213657019.8/30

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4554999924.7/35

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

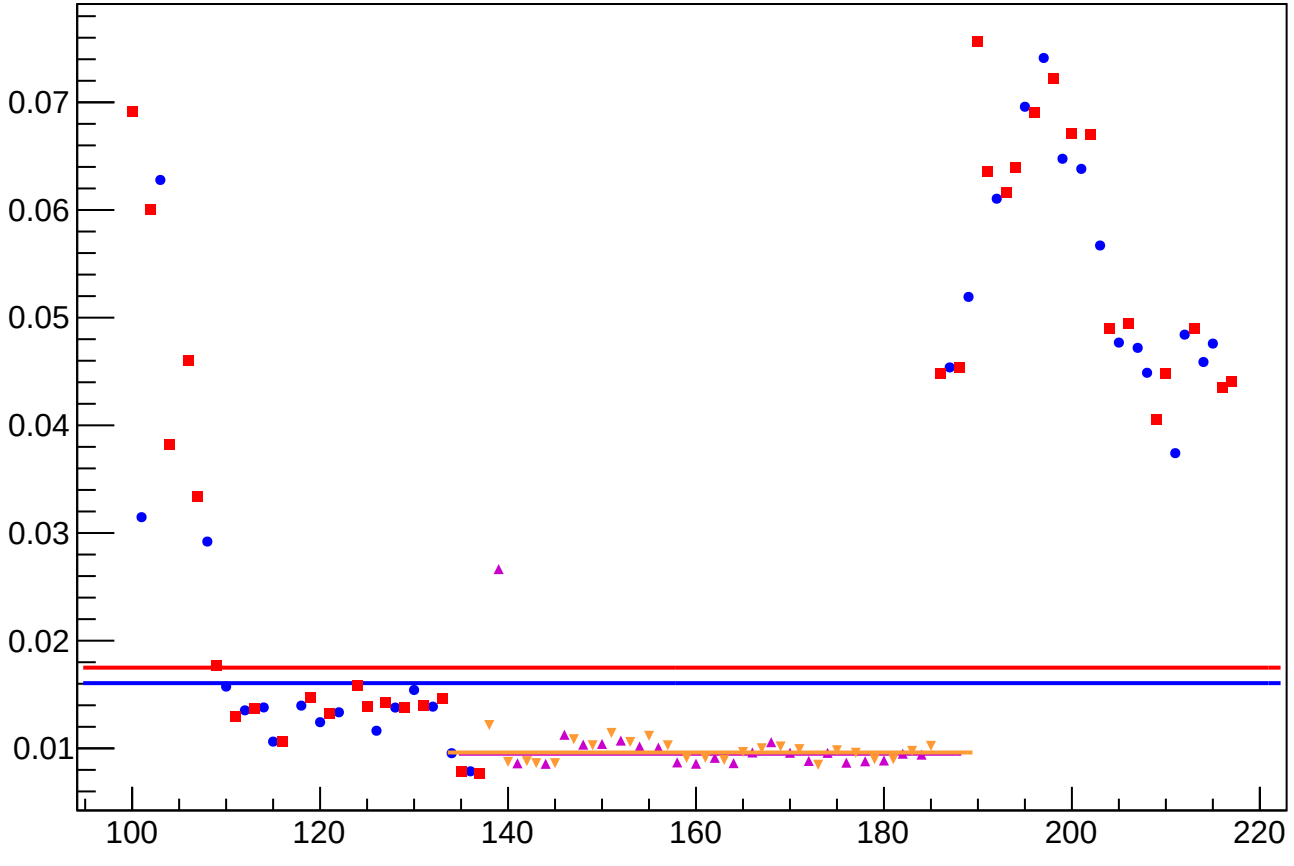
Right: -0.190+/-0.000 χ^2/NDF: 10768668975.2/66

In: -0.052+/-0.000 χ^2/NDF:8124868787.9/53

Out: -0.048+/-0.000 χ^2/NDF:6498316863.4/60

All: -0.050+/-0.000 χ^2/NDF: 14624867438.6/

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: 15194792.3/35

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

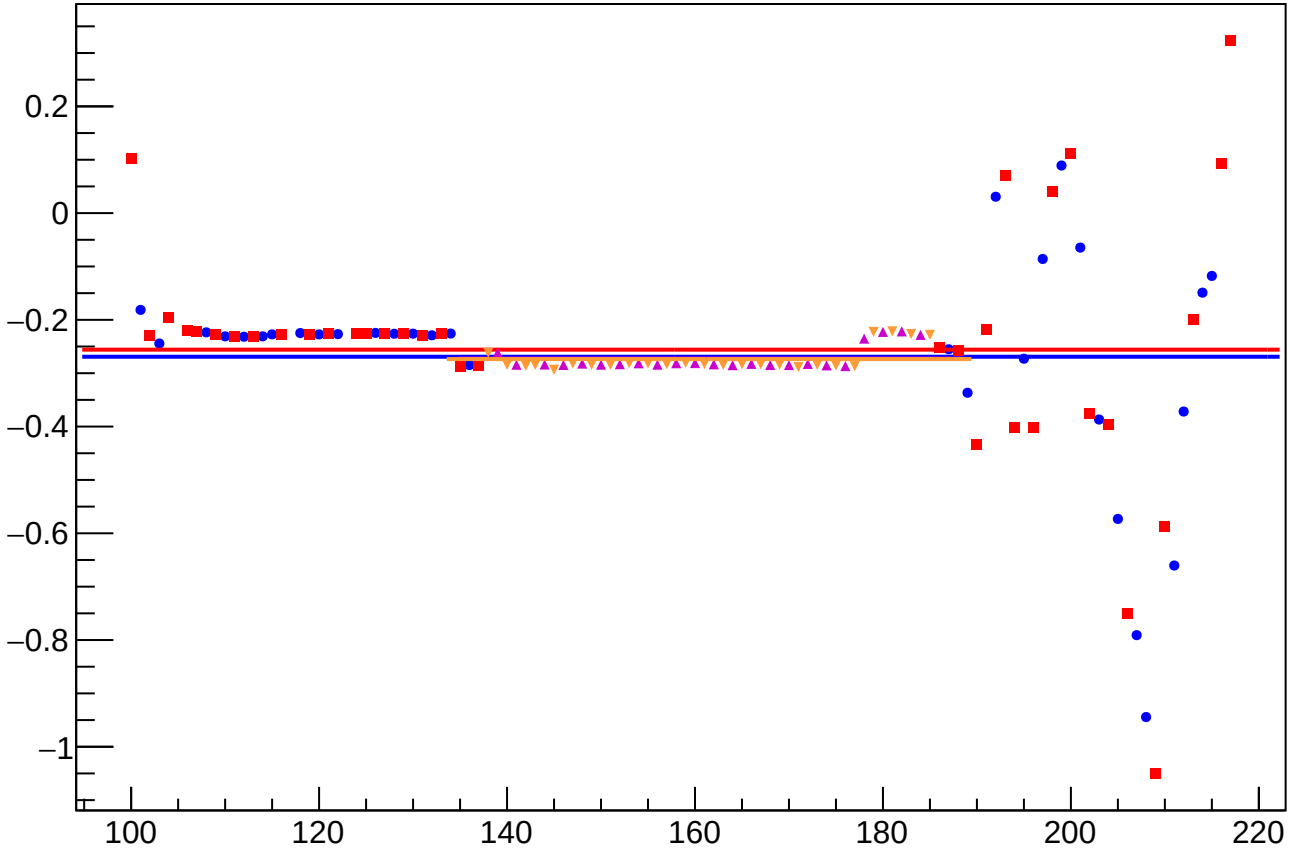
Right: 0.017+/-0.000 χ^2/NDF: 29628516.3/66

In: 0.011+/-0.000 χ^2/NDF:18028583.7/53

Out: 0.011+/-0.000 χ^2/NDF:19219352.6/60

All: 0.011+/-0.000 χ^2/NDF: 37257049.6/114

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.269+/-0.000 χ^2/NDF: 27517331080.9/30

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.256+/-0.000 χ^2/NDF: 33381854570.6/35

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

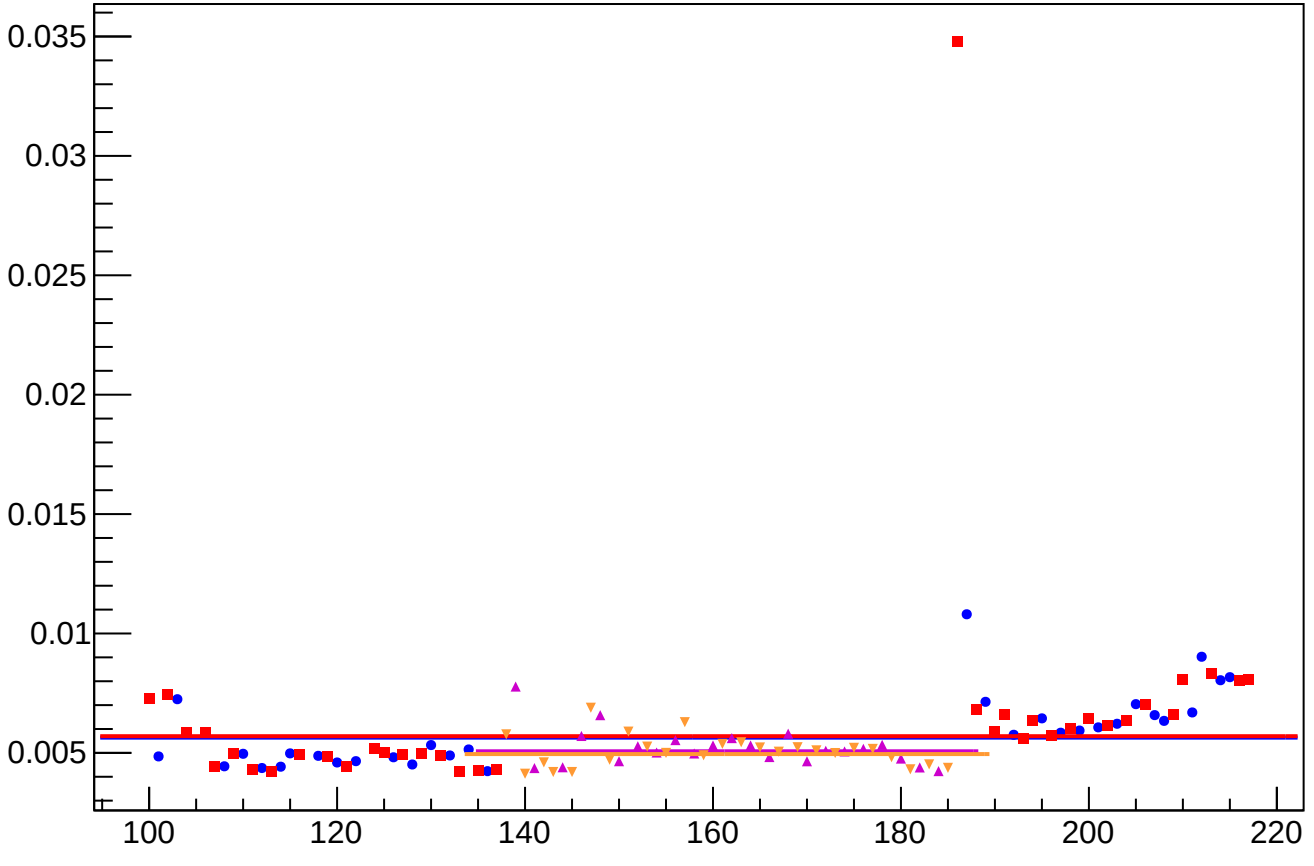
Right: -0.262+/-0.000 χ^2/NDF: 60947881192.0/66

In: -0.271+/-0.000 χ^2/NDF:27856097292.2/53

Out: -0.266+/-0.000 χ^2/NDF:33877127311.2/60

All: -0.268+/-0.000 χ^2/NDF: 61750175593.8/

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: 2100815.5/35

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

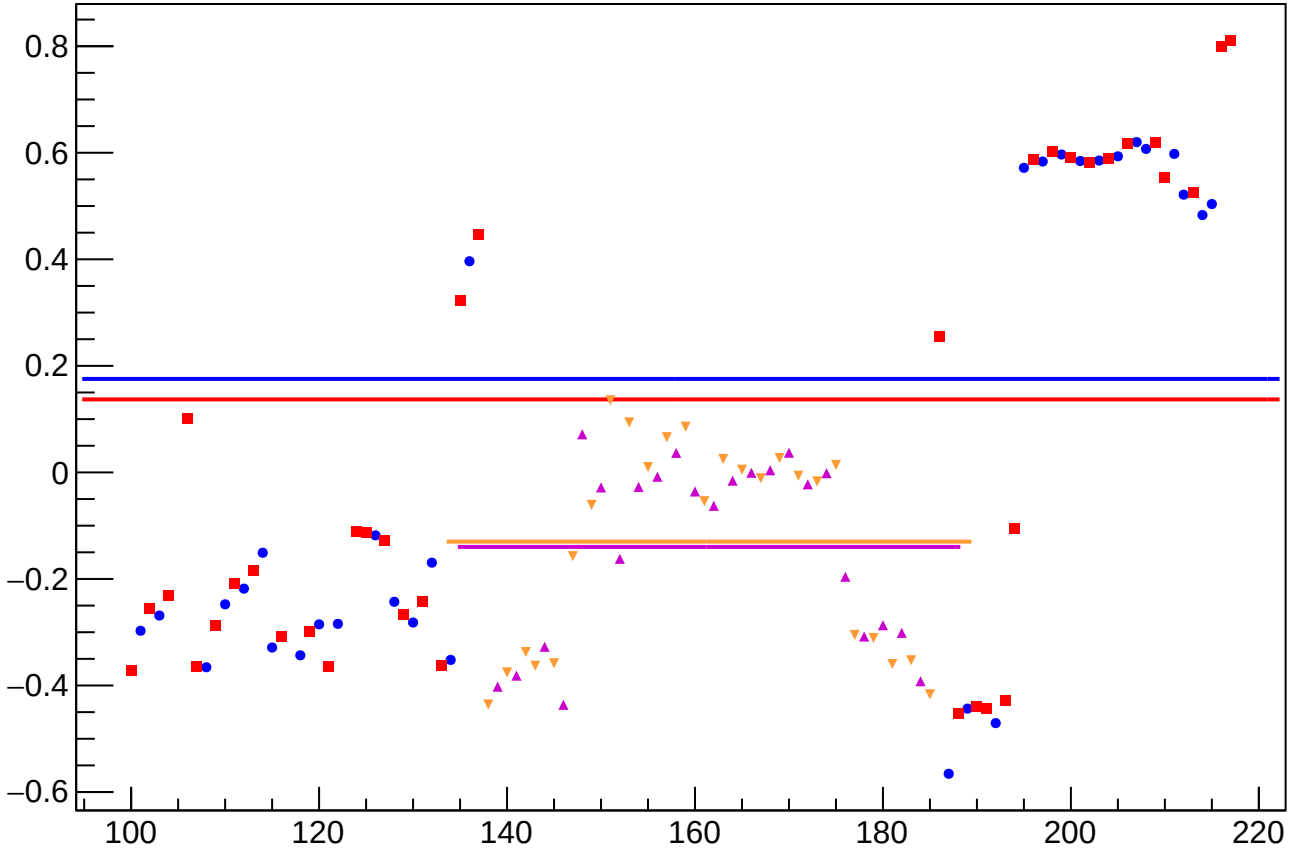
Right: 0.006+/-0.000 χ^2/NDF: 3609809.3/66

In: 0.005+/-0.000 χ^2/NDF:2242726.8/53

Out: 0.005+/-0.000 χ^2/NDF:2988313.4/60

All: 0.005+/-0.000 χ^2/NDF: 5233945.2/114

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: 0.137+/-0.000 χ^2/NDF: 84652155301.9/35

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

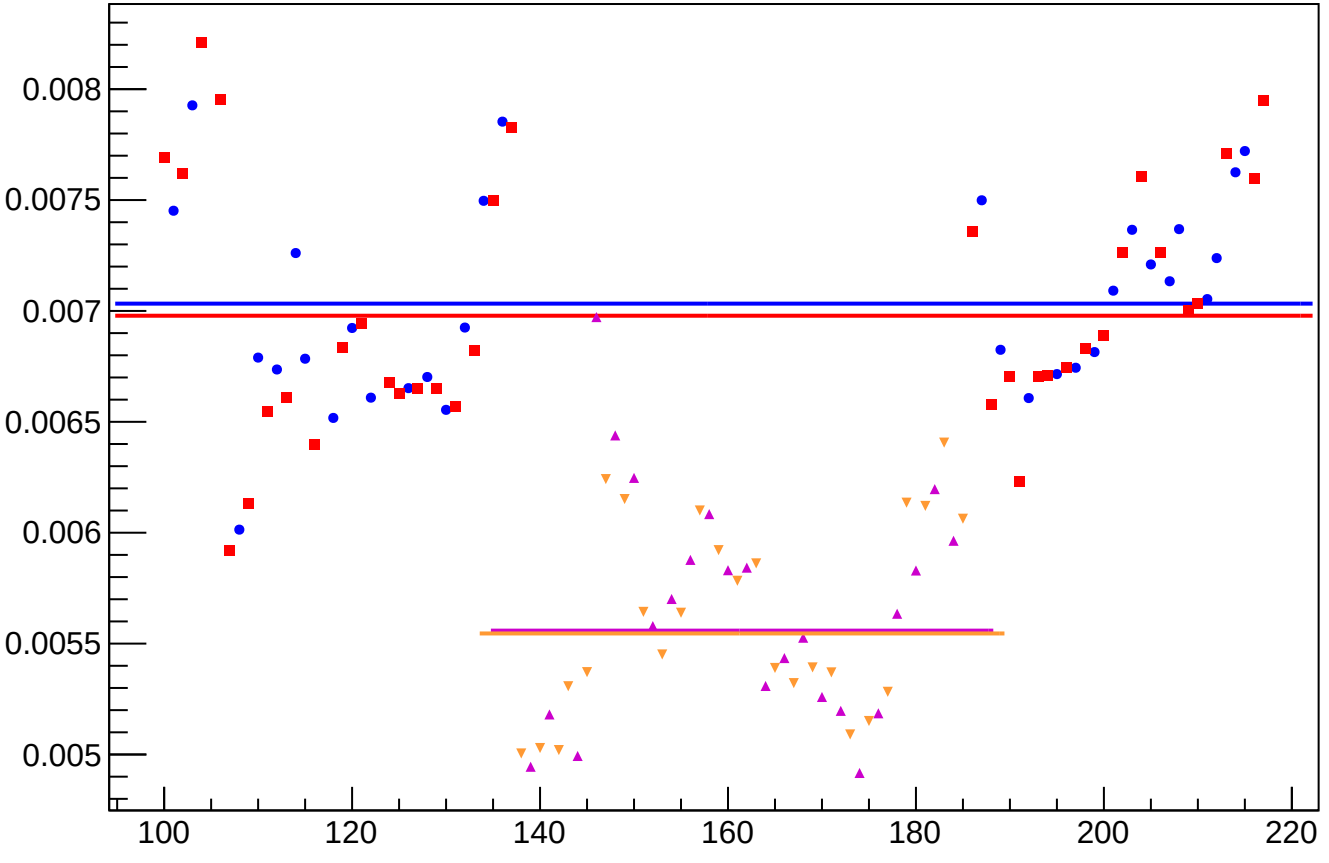
Right: 0.155+/-0.000 χ^2/NDF: 159381713254.4/66

In: -0.012+/-0.000 χ^2/NDF:112168934660.6/53

Out: -0.021+/-0.000 χ^2/NDF:123563152355.4/60

All: -0.016+/-0.000 χ^2/NDF: 235769856630.3

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: 200826.9/35

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

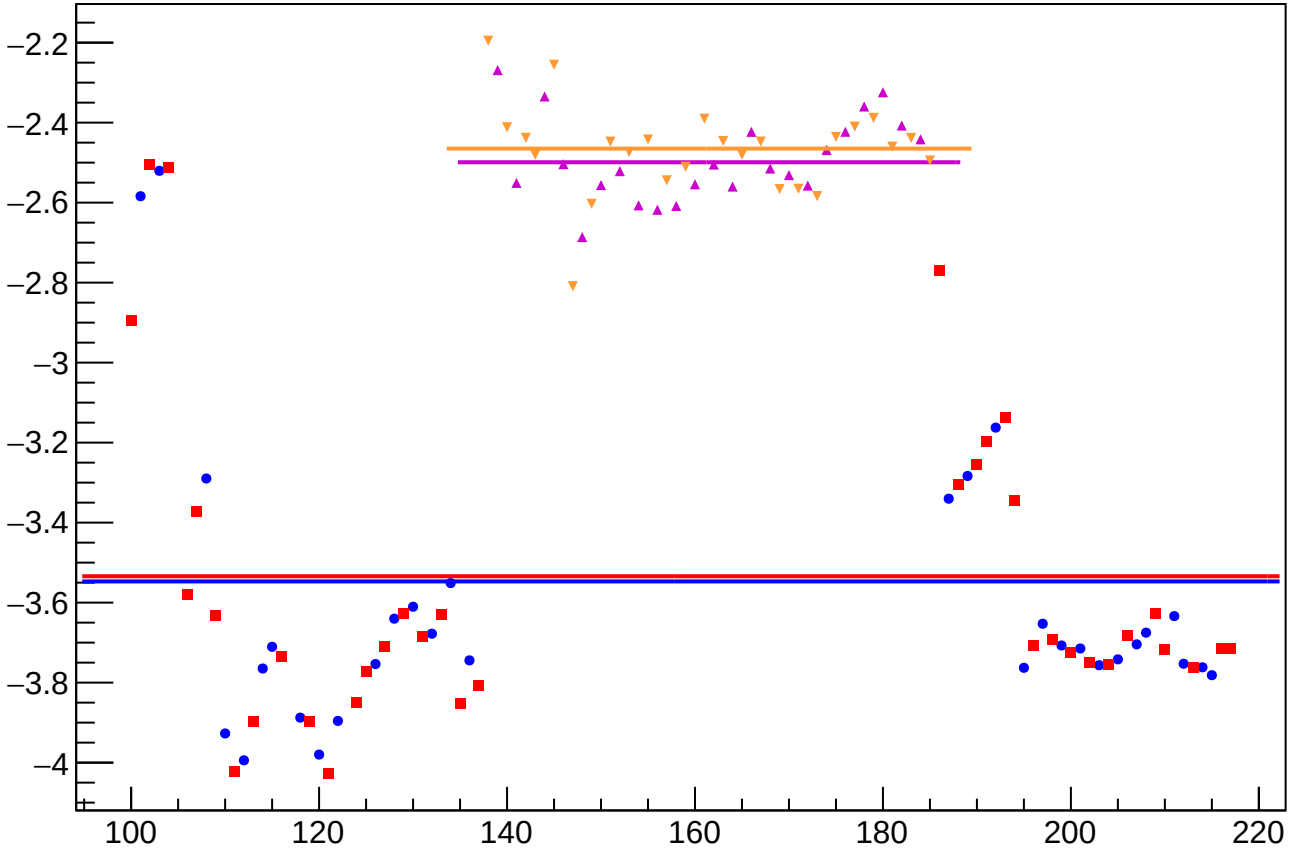
Right: 0.007+/-0.000 χ^2/NDF: 344173.7/66

In: 0.006+/-0.000 χ^2/NDF:1390573.4/53

Out: 0.006+/-0.000 χ^2/NDF:1405855.4/60

All: 0.006+/-0.000 χ^2/NDF: 2797029.8/114

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: -3.534+/-0.000 χ^2/NDF: 35540853611.6/35

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

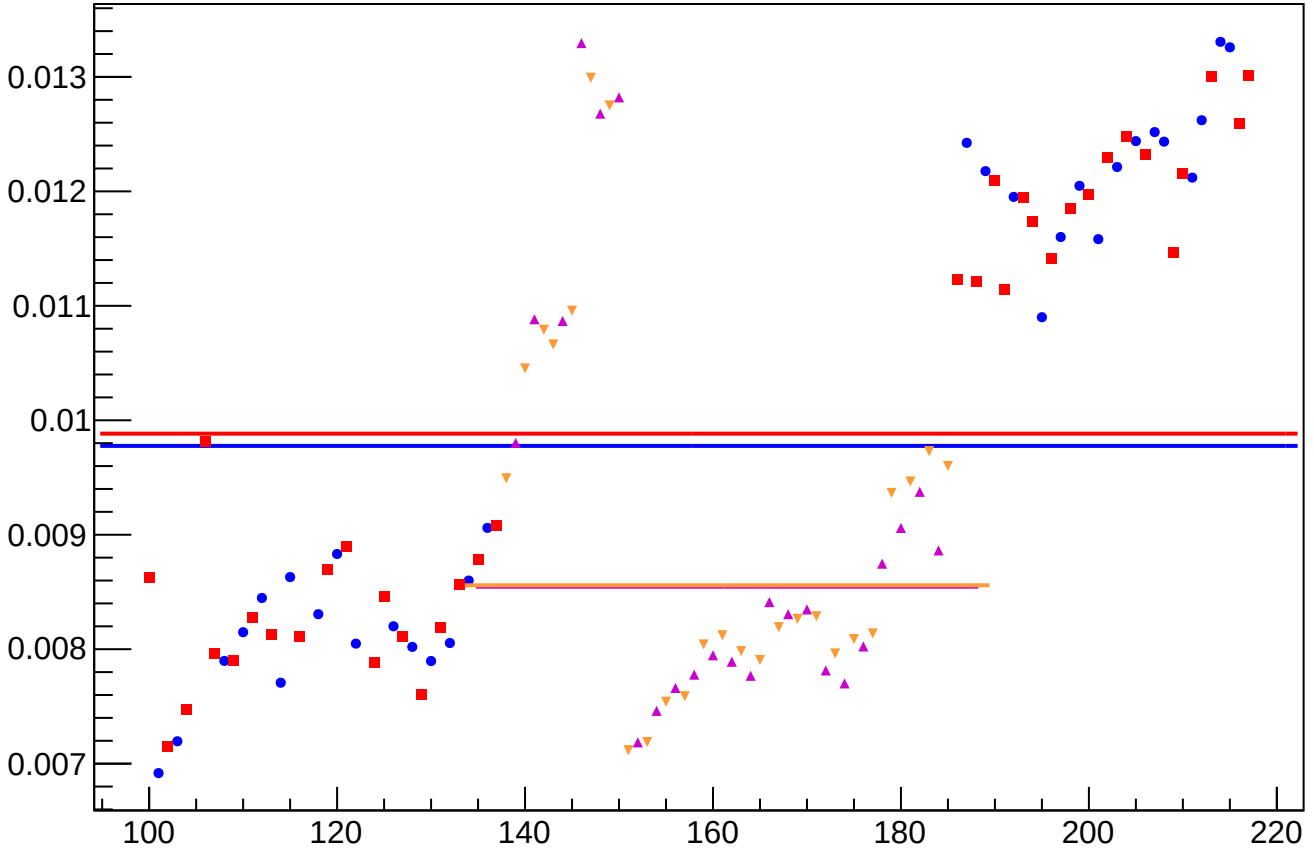
Right: -3.540+/-0.000 χ^2/NDF: 69230694565.2/66

In: -2.967+/-0.000 χ^2/NDF:150578831689.1/53

Out: -2.941+/-0.000 χ^2/NDF:163248295563.0/60

All: -2.953+/-0.000 χ^2/NDF: 313971494589.0

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: 1614534.7/35

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

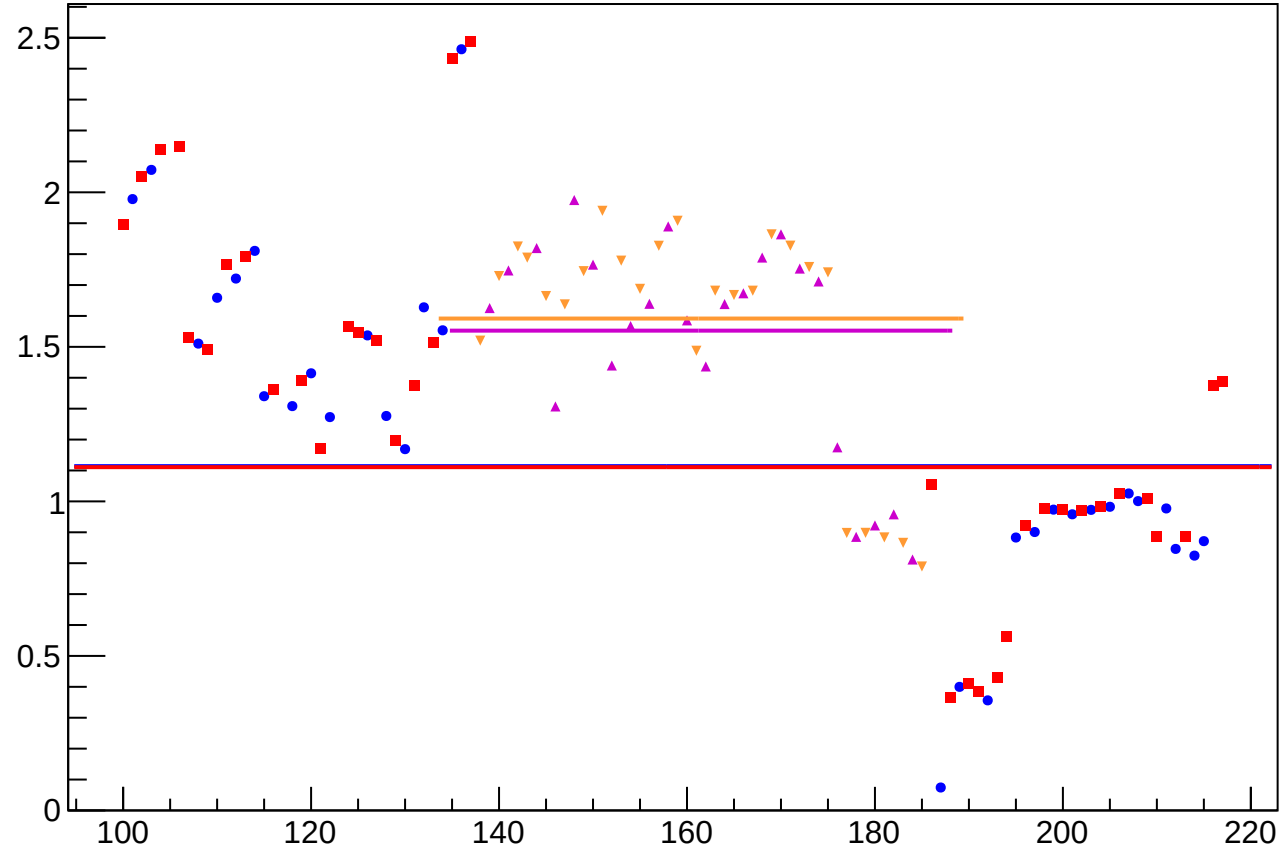
Right: 0.010+/-0.000 χ^2/NDF: 3358640.9/66

In: 0.009+/-0.000 χ^2/NDF:2968667.3/53

Out: 0.009+/-0.000 χ^2/NDF:2824239.0/60

All: 0.009+/-0.000 χ^2/NDF: 5794132.7/114

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: 1.111+/-0.000 χ^2/NDF: 35503992643.9/35

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

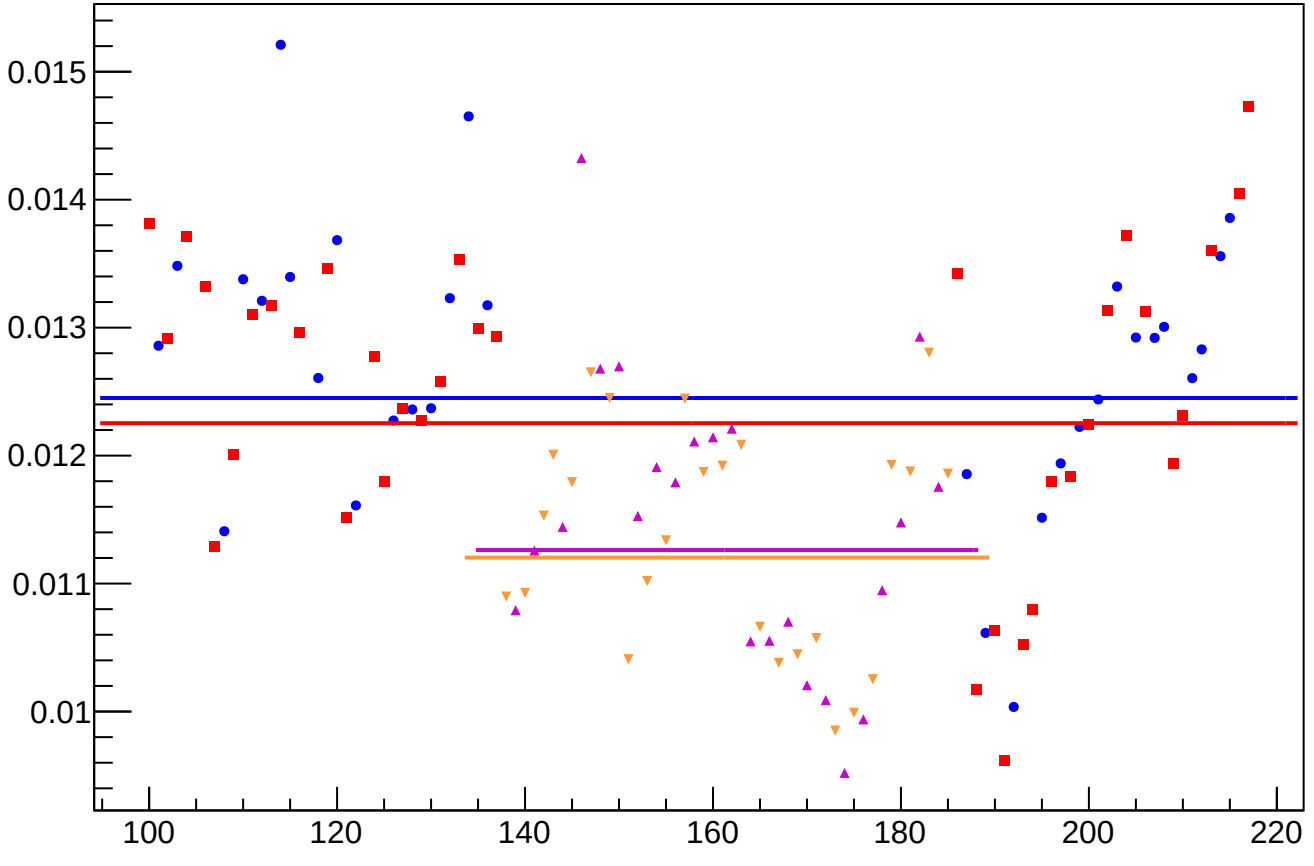
Right: 1.112+/-0.000 χ^2/NDF: 66226788774.5/66

In: 1.347+/-0.000 χ^2/NDF:57110577975.9/53

Out: 1.363+/-0.000 χ^2/NDF:68712807695.1/60

All: 1.355+/-0.000 χ^2/NDF: 125861907796.3

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: 403415.6/35

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

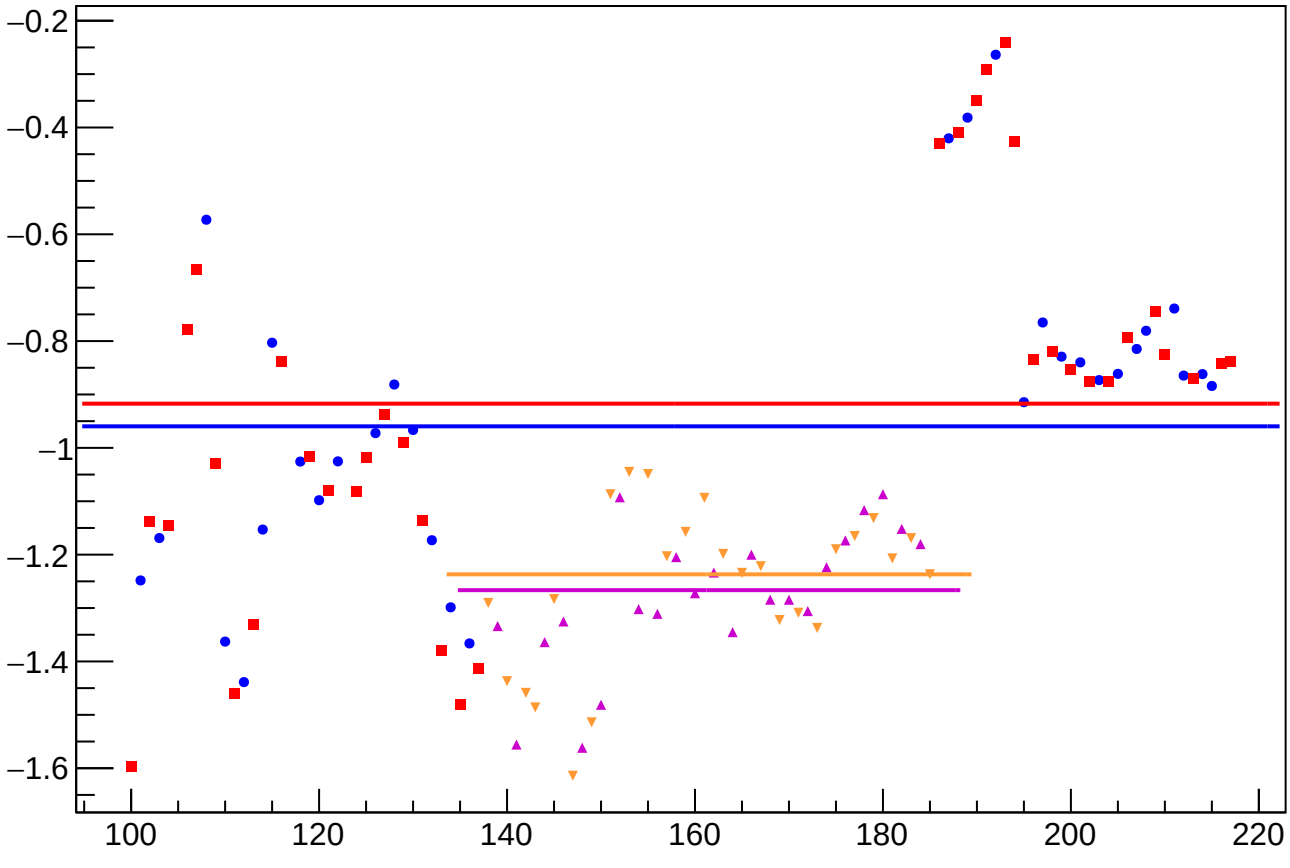
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 679159.9/66

In: 0.012+/-0.000 χ^2/NDF:763577.3/53

Out: 0.012+/-0.000 χ^2/NDF:780915.0/60

All: 0.012+/-0.000 χ^2/NDF: 1548278.9/114



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: -0.917+/-0.000 χ^2/NDF: 17029647214.6/35

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

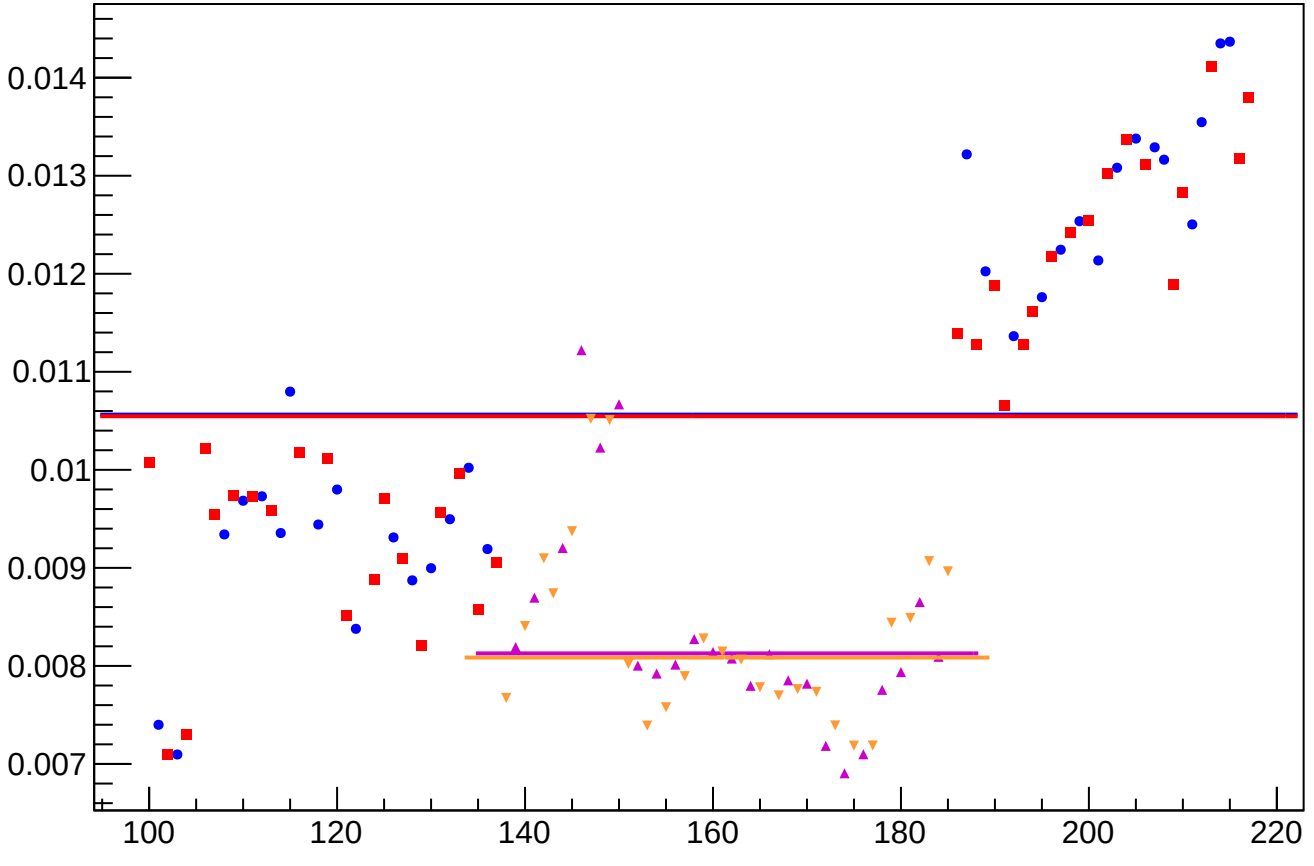
Right: -0.938+/-0.000 χ^2/NDF: 29684618542.5/66

In: -1.149+/-0.000 χ^2/NDF:25522488356.5/53

Out: -1.114+/-0.000 χ^2/NDF:32873694686.5/60

All: -1.131+/-0.000 χ^2/NDF: 58665033032.2/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 1536175.3/30

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 1451882.4/35

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

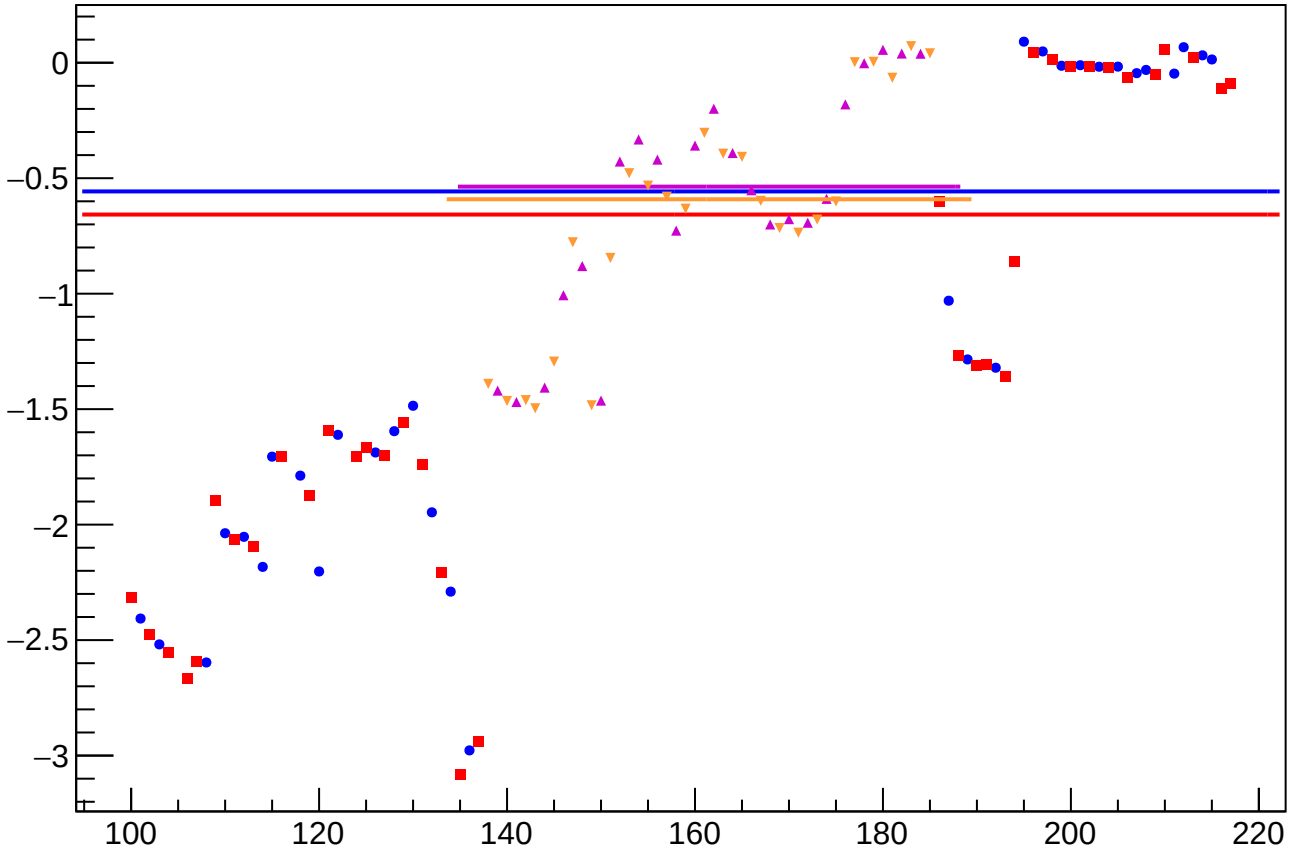
Right: 0.011+/-0.000 χ^2/NDF: 2988102.9/66

In: 0.009+/-0.000 χ^2/NDF:3122500.5/53

Out: 0.009+/-0.000 χ^2/NDF:3067785.2/60

All: 0.009+/-0.000 χ^2/NDF: 6190614.7/114

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -0.557+/-0.000 χ^2/NDF: 413645860633.6/30

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.657+/-0.000 χ^2/NDF: 441286491295.9/35

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

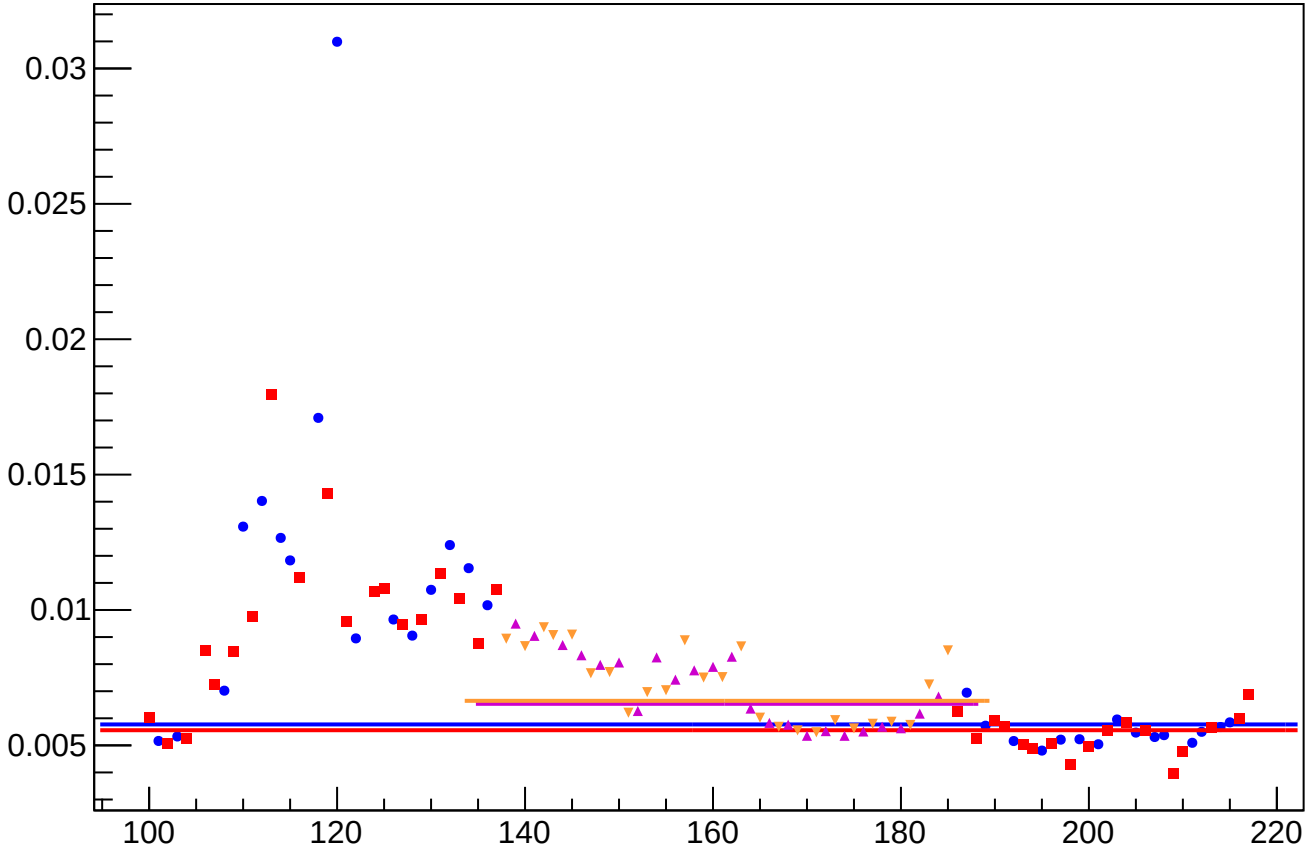
Right: -0.611+/-0.000 χ^2/NDF: 857495313255.6/66

In: -0.548+/-0.000 χ^2/NDF:483904619643.1/53

Out: -0.630+/-0.000 χ^2/NDF:514948593783.3/60

All: -0.591+/-0.000 χ^2/NDF: 1001853923844

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: 2746148.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

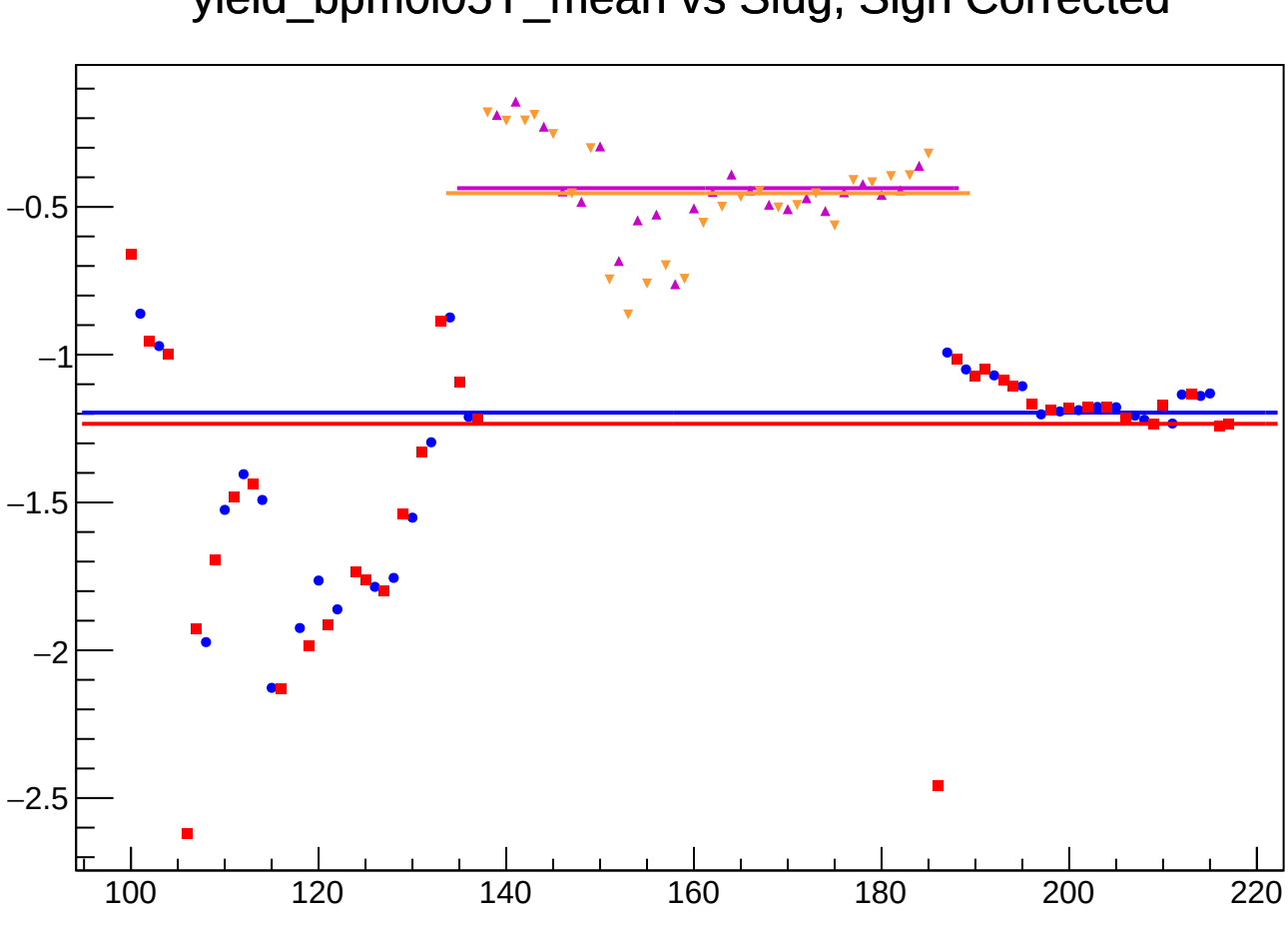
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5311867.9/66

In: 0.006+/-0.000 χ^2/NDF:3935583.9/53

Out: 0.006+/-0.000 χ^2/NDF:4367242.7/60

All: 0.006+/-0.000 χ^2/NDF: 8312459.3/114



Right In: -1.196+/-0.000 χ^2/NDF: 27643496352.8/30

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.234+/-0.000 χ^2/NDF: 72816454247.3/35

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

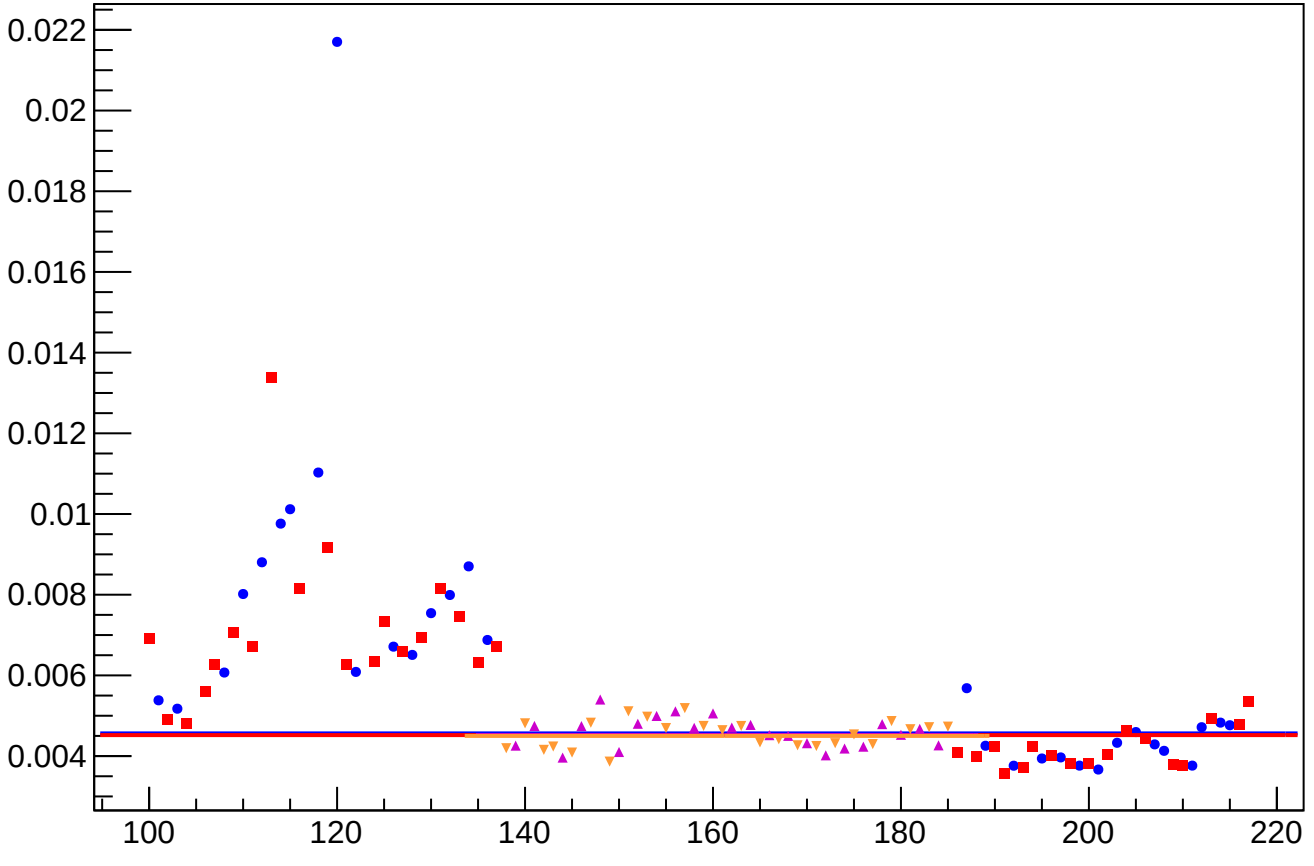
Right: -1.216+/-0.000 χ^2/NDF: 101040444958.7/66

In: -0.805+/-0.000 χ^2/NDF:272181670075.3/53

Out: -0.839+/-0.000 χ^2/NDF:363605954038.8/60

All: -0.823+/-0.000 χ^2/NDF: 636730922249.0

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: 0.005+/-0.000 χ^2/NDF: 2025589.1/35

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

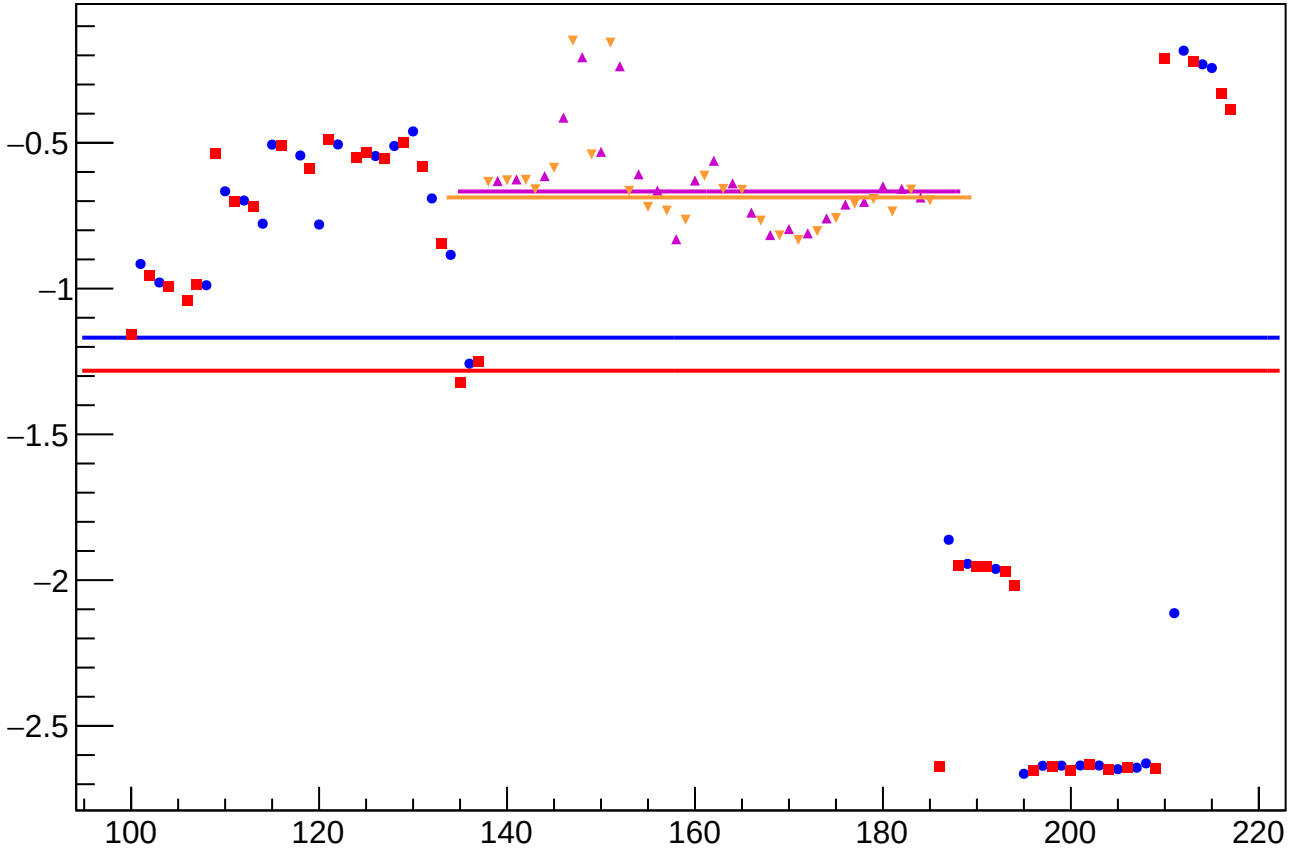
Right: 0.005+/-0.000 χ^2/NDF: 4282916.7/66

In: 0.005+/-0.000 χ^2/NDF:2469326.4/53

Out: 0.005+/-0.000 χ^2/NDF:2215132.3/60

All: 0.005+/-0.000 χ^2/NDF: 4685977.8/114

yield_bpm0i07X_mean vs Slug, Sign Corrected



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: -1.282+/-0.000 χ^2/NDF: 745375161408.7/35

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

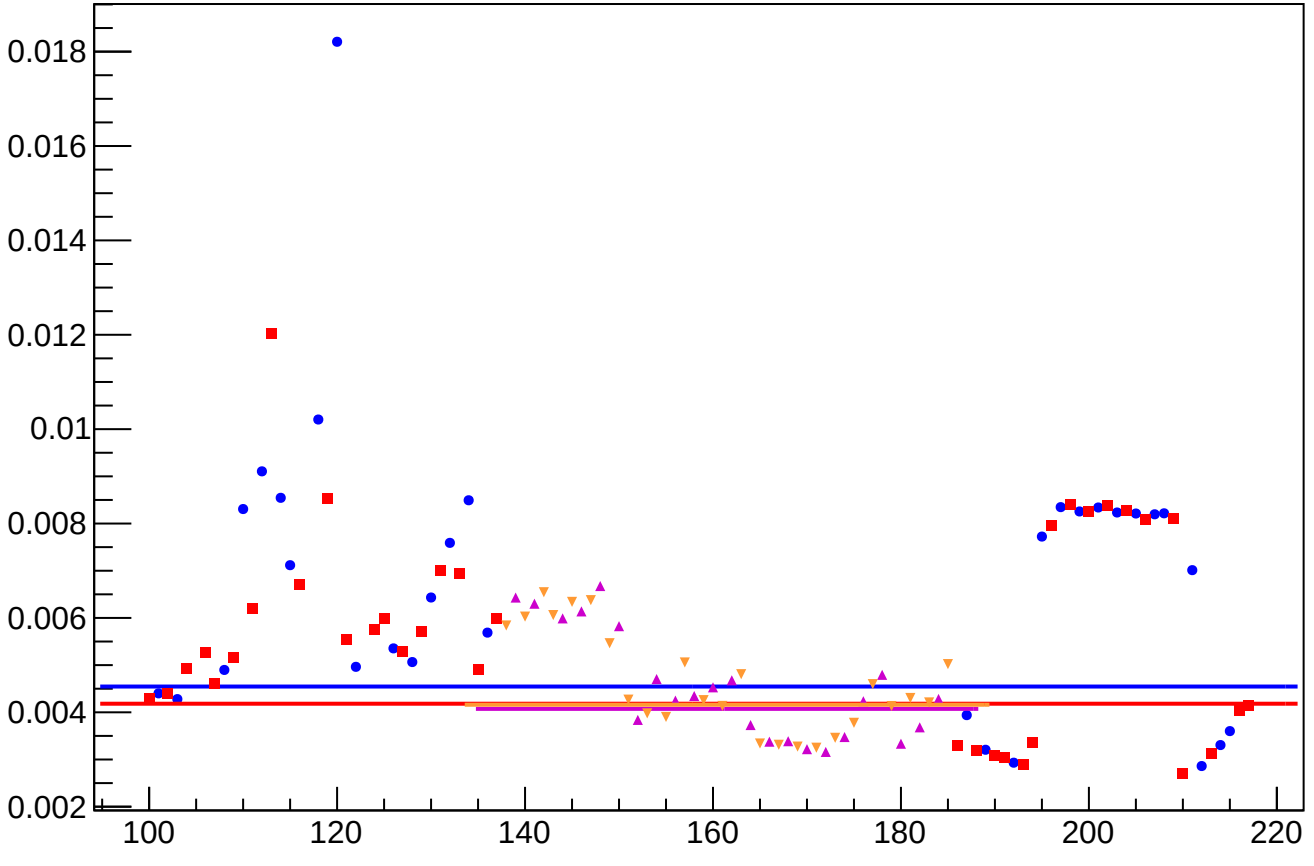
Right: -1.232+/-0.000 χ^2/NDF: 1350229026231.7/6

In: -0.883+/-0.000 χ^2/NDF:725288330794.1/53

Out: -0.980+/-0.000 χ^2/NDF:935462878696.8/60

All: -0.934+/-0.000 χ^2/NDF: 1669044763688

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: 5567168.7/35

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

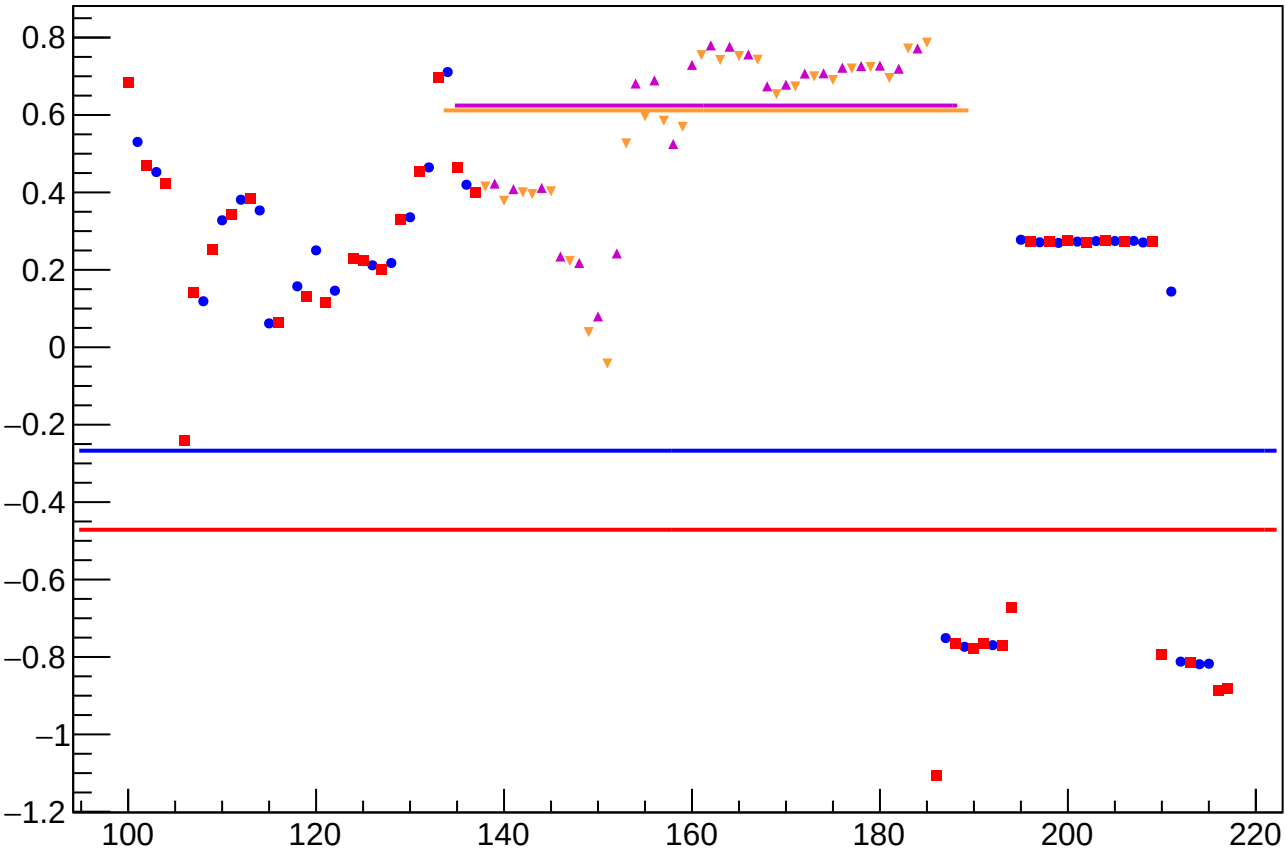
Right: 0.004+/-0.000 χ^2/NDF: 11525515.8/66

In: 0.004+/-0.000 χ^2/NDF:7784703.7/53

Out: 0.004+/-0.000 χ^2/NDF:7087665.8/60

All: 0.004+/-0.000 χ^2/NDF: 14892204.9/114

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: -0.471+/-0.000 χ^2/NDF: 629701030295.7/35

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

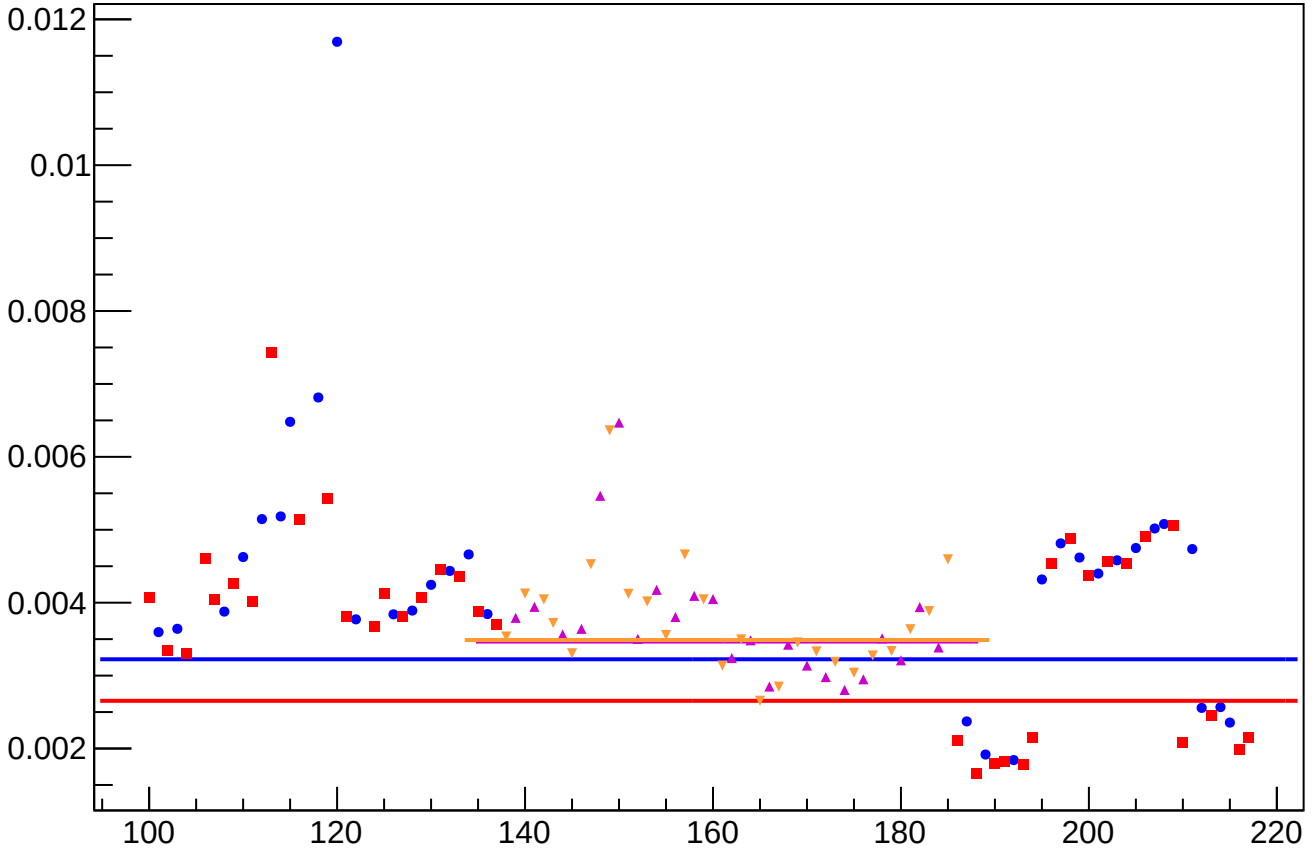
Right: -0.390+/-0.000 χ^2/NDF: 1136116893788.2/6

In: 0.141+/-0.000 χ^2/NDF:1055247535589.7/53

Out: -0.075+/-0.000 χ^2/NDF:1656566975461.0/60

All: 0.019+/-0.000 χ^2/NDF: 2784723811565.

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: 5724410.6/35

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

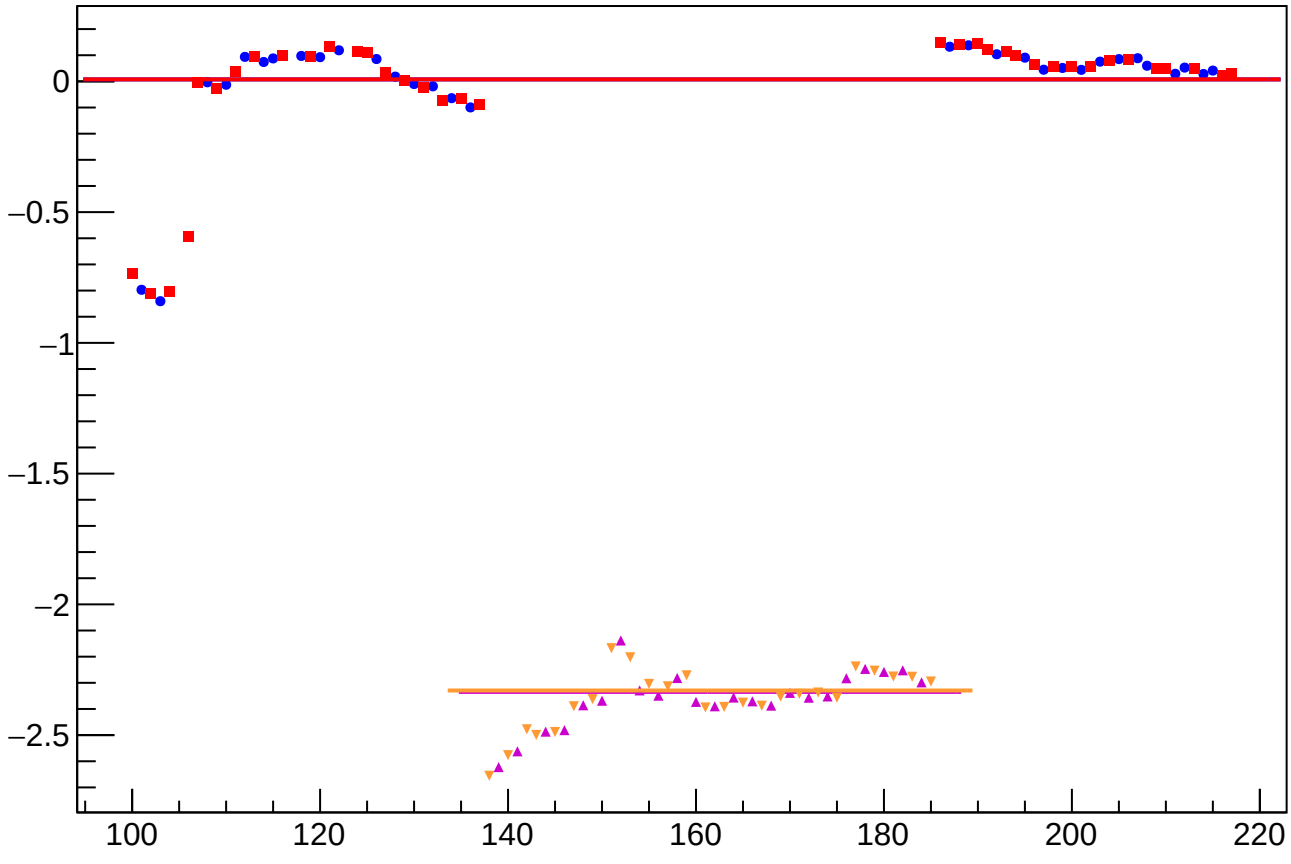
Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

Right: 0.003+/-0.000 χ^2/NDF: 10743753.5/66

In: 0.003+/-0.000 χ^2/NDF:5405993.1/53

Out: 0.003+/-0.000 χ^2/NDF:7738287.0/60

All: 0.003+/-0.000 χ^2/NDF: 13586705.2/114



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: 0.008+/-0.000 χ^2/NDF: 7840905089.5/35

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

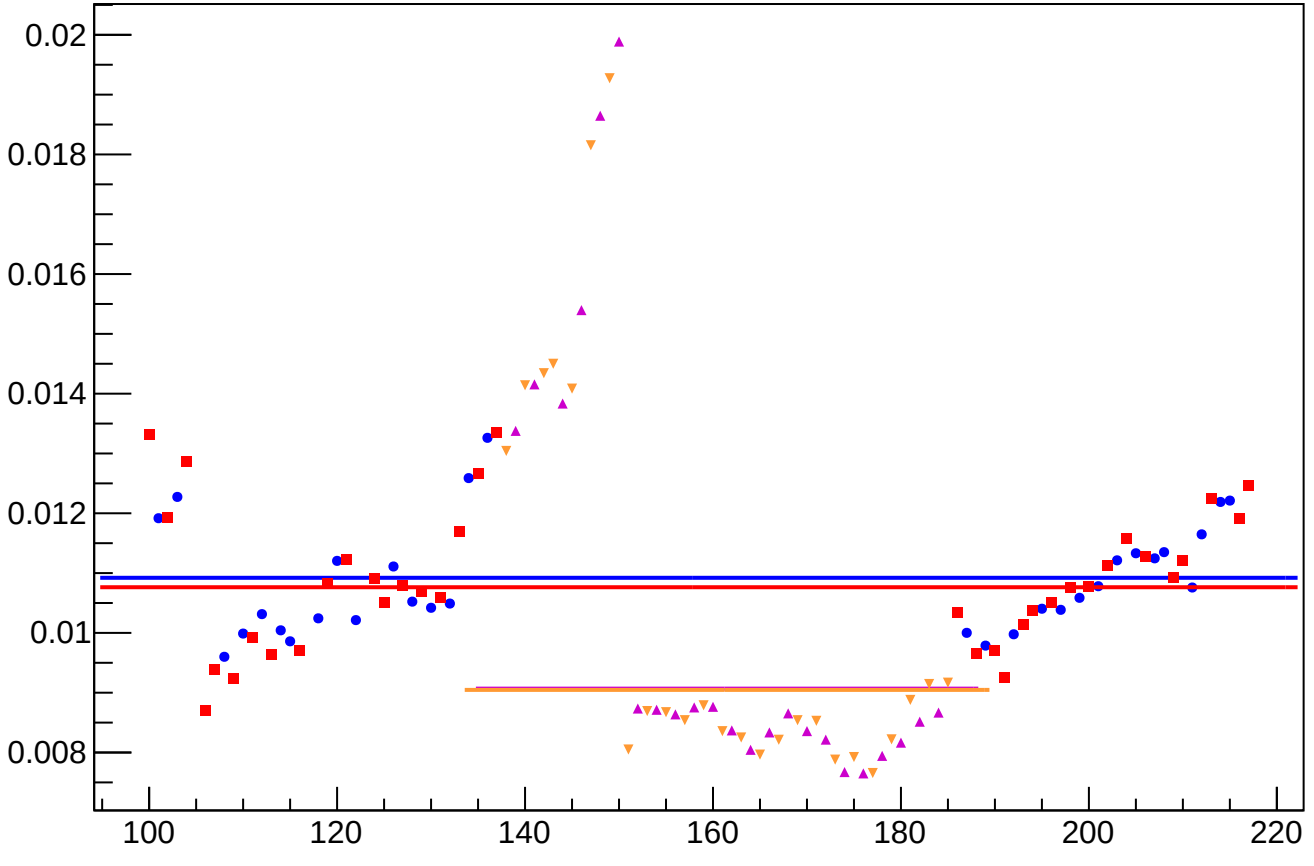
Right: 0.008+/-0.000 χ^2/NDF: 14417439969.1/66

In: -1.320+/-0.000 χ^2/NDF:504191572028.4/53

Out: -1.297+/-0.000 χ^2/NDF:545662752081.2/60

All: -1.308+/-0.000 χ^2/NDF: 1049950434913

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: 340752.8/35

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

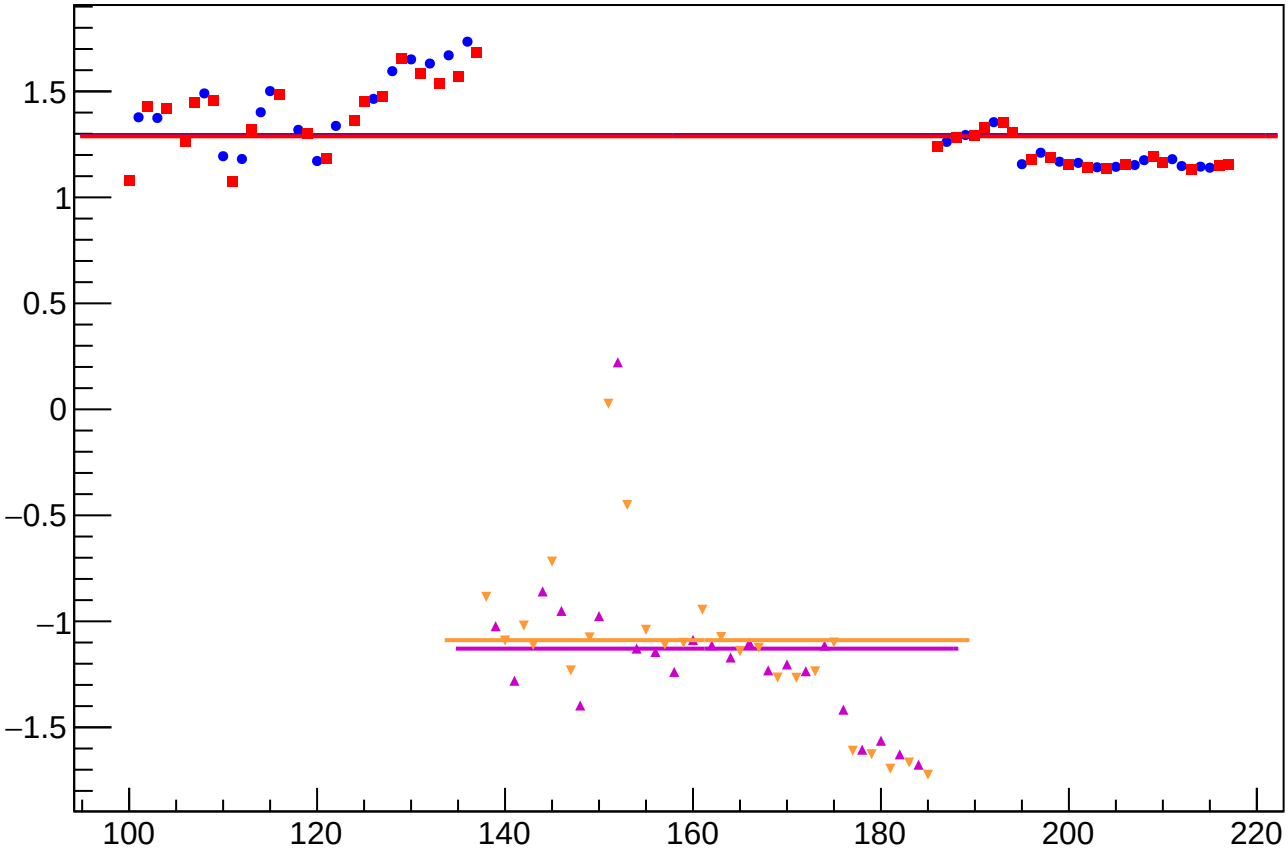
Right: 0.011+/-0.000 χ^2/NDF: 580978.3/66

In: 0.010+/-0.000 χ^2/NDF:2991287.2/53

Out: 0.010+/-0.000 χ^2/NDF:2967653.9/60

All: 0.010+/-0.000 χ^2/NDF: 5960614.9/114

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: 1.288+/-0.000 χ^2/NDF: 7550937535.8/35

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

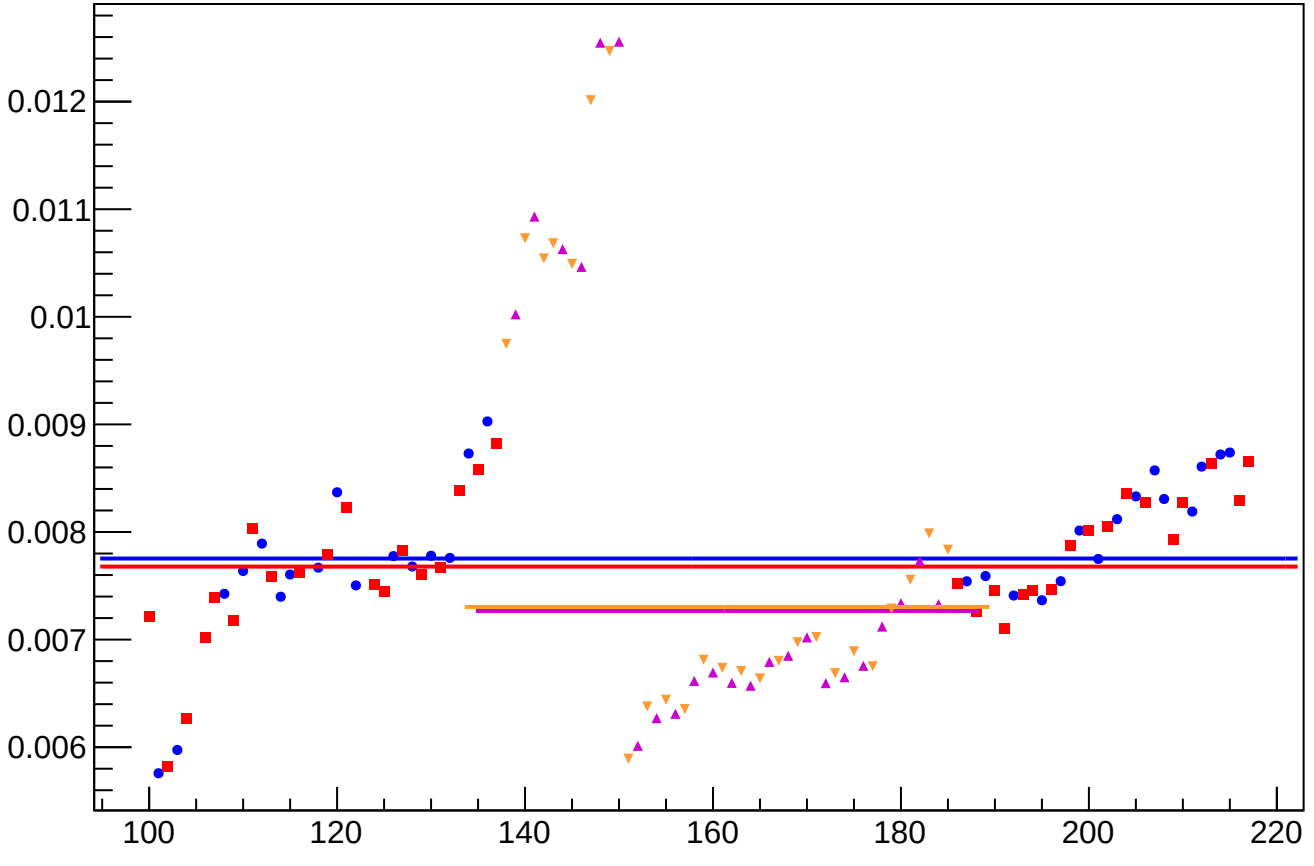
Right: 1.291+/-0.000 χ^2/NDF: 17049575755.3/66

In: 0.053+/-0.000 χ^2/NDF:1015695128928.3/53

Out: 0.099+/-0.000 χ^2/NDF:1047071499774.5/60

All: 0.077+/-0.000 χ^2/NDF: 2063482796761.

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: 336119.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

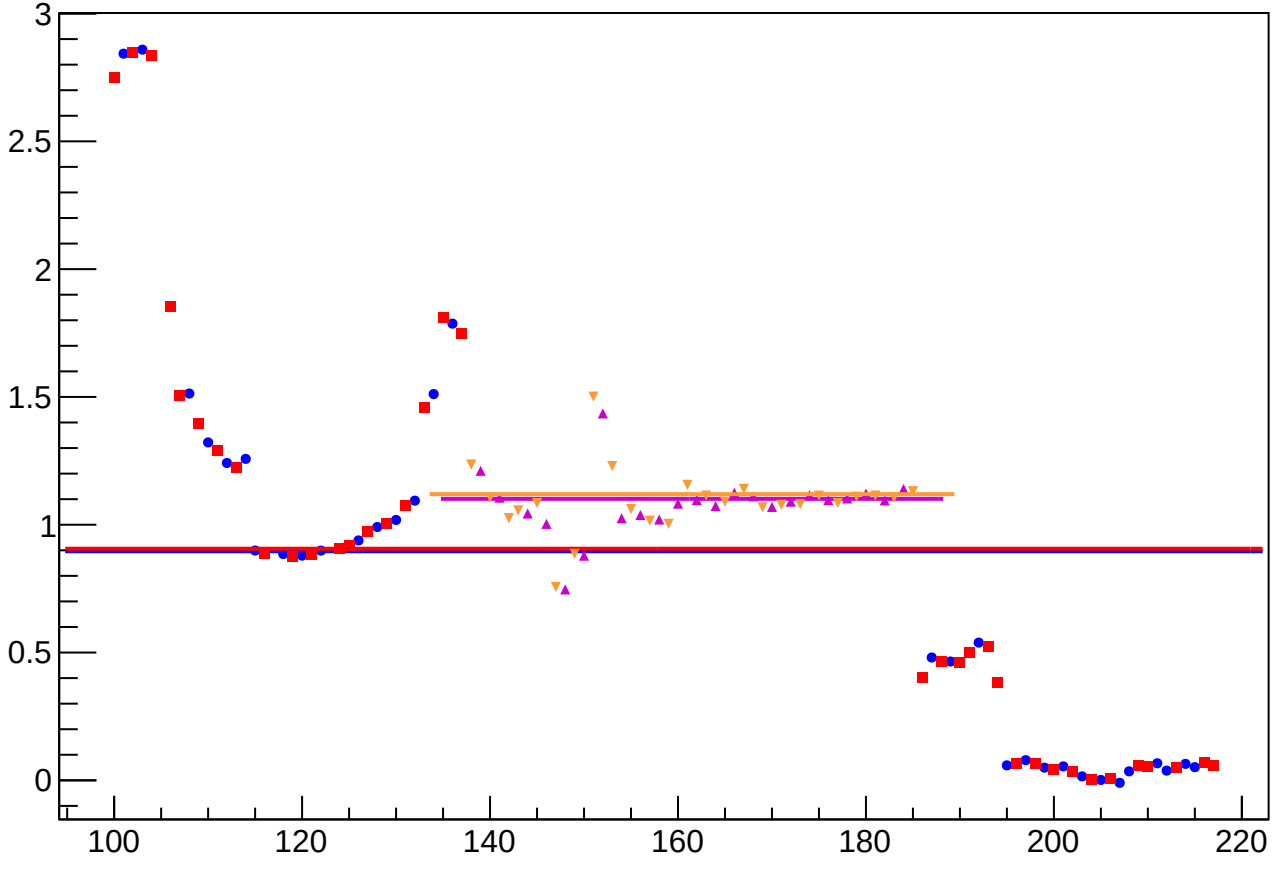
Right: 0.008+/-0.000 χ^2/NDF: 766259.6/66

In: 0.008+/-0.000 χ^2/NDF:2064967.1/53

Out: 0.007+/-0.000 χ^2/NDF:1888920.6/60

All: 0.007+/-0.000 χ^2/NDF: 3953998.9/114

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: 0.906+/-0.000 χ^2/NDF: 155136400426.5/35

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

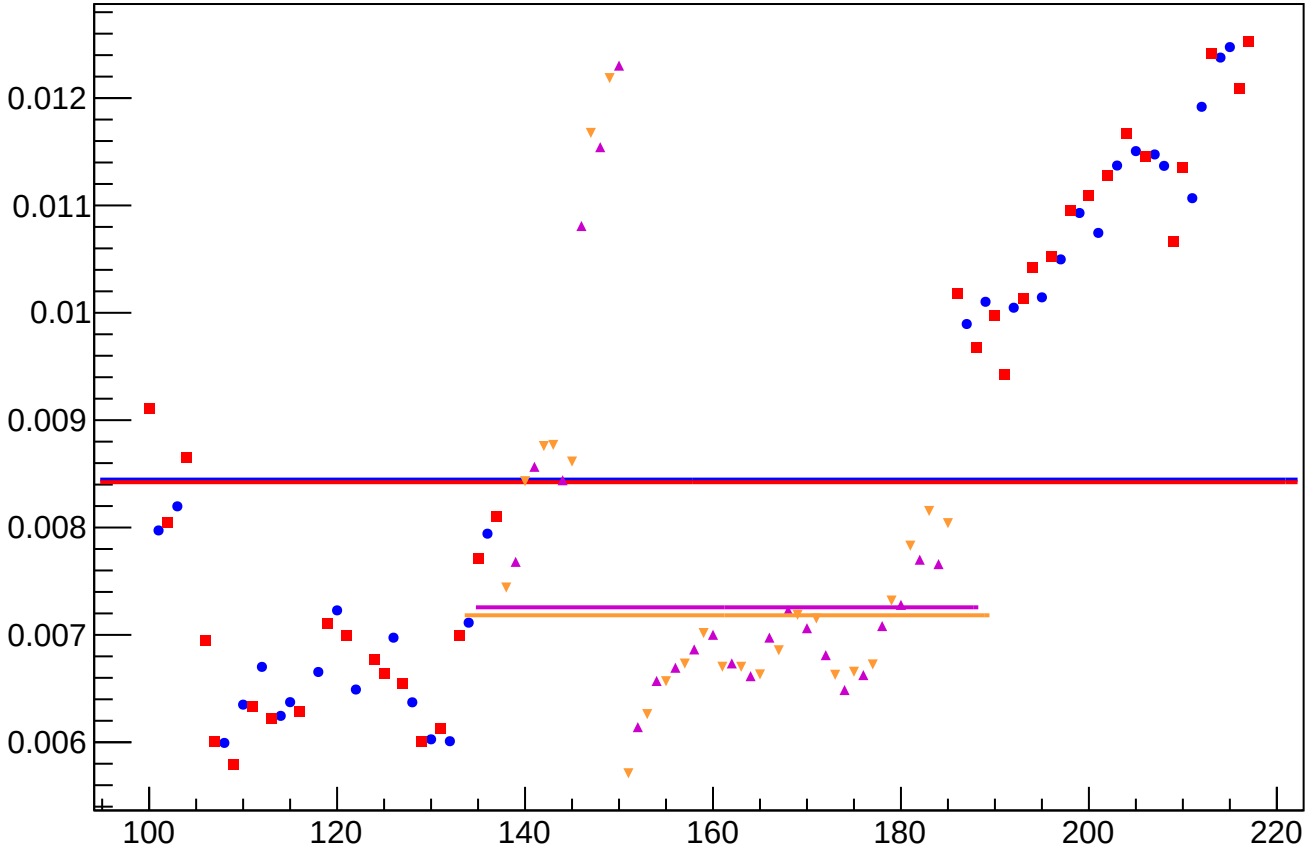
Right: 0.901+/-0.000 χ^2/NDF: 312491038310.6/66

In: 1.013+/-0.000 χ^2/NDF:167567729917.4/53

Out: 1.028+/-0.000 χ^2/NDF:167679027840.4/60

All: 1.021+/-0.000 χ^2/NDF: 335311325042.0

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: 2649831.4/35

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

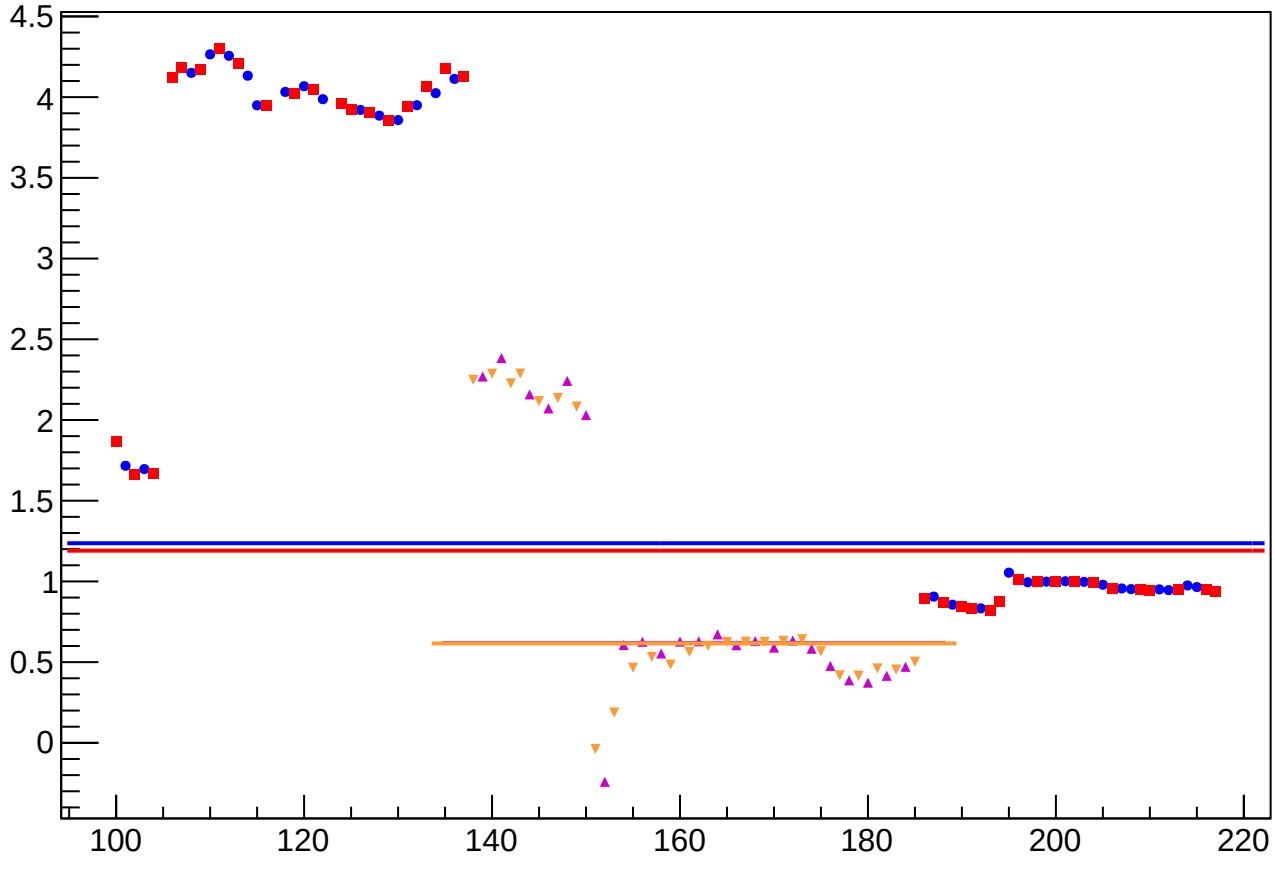
Right: 0.008+/-0.000 χ^2/NDF: 5091753.7/66

In: 0.008+/-0.000 χ^2/NDF:3763768.3/53

Out: 0.008+/-0.000 χ^2/NDF:4017613.3/60

All: 0.008+/-0.000 χ^2/NDF: 7783020.4/114

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: 1.191+/-0.000 χ^2/NDF: 1805427257250.6/35

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

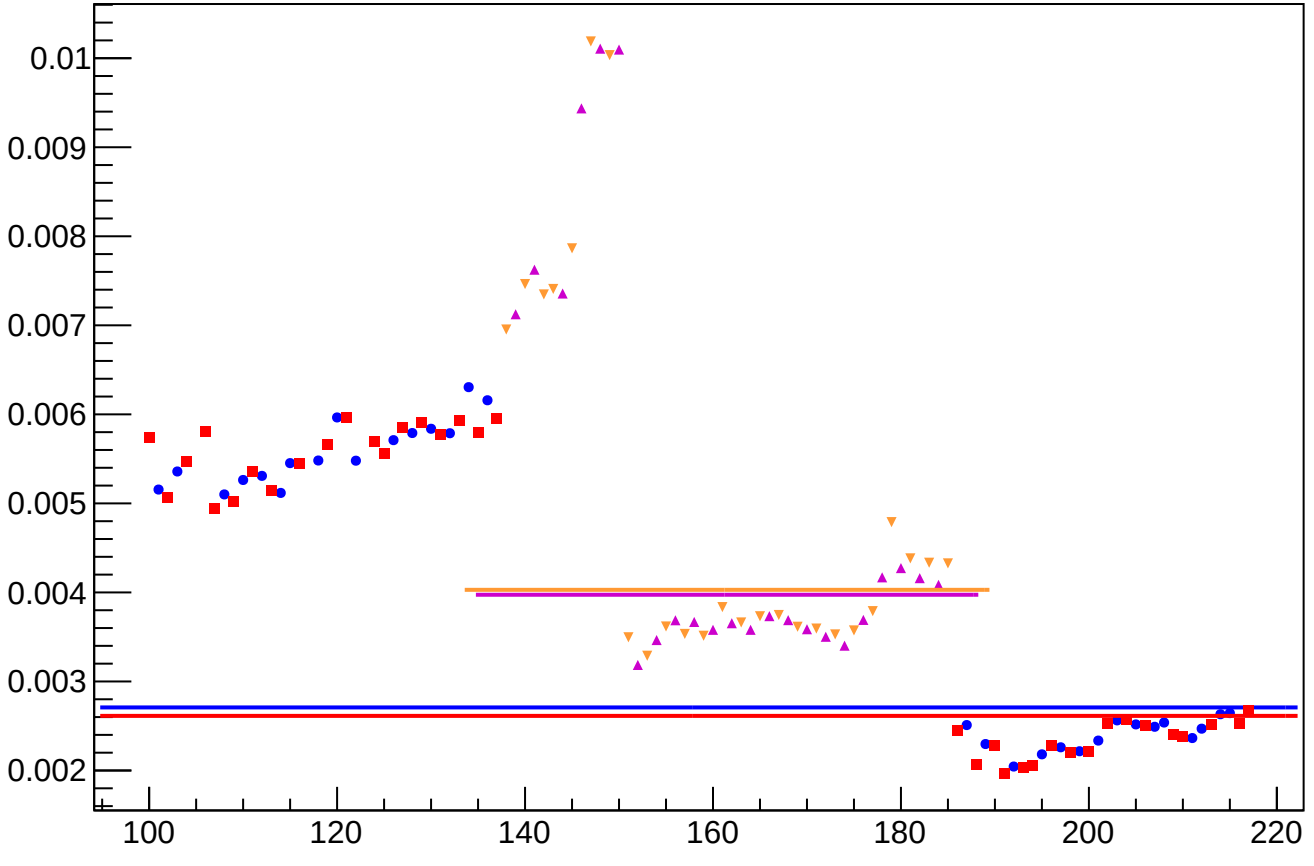
Right: 1.212+/-0.000 χ^2/NDF: 3445728440118.9/66

In: 1.040+/-0.000 χ^2/NDF:2159613852579.0/53

Out: 1.021+/-0.000 χ^2/NDF:2303254285285.5/60

All: 1.030+/-0.000 χ^2/NDF: 4463443427513.

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: 4715235.5/35

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

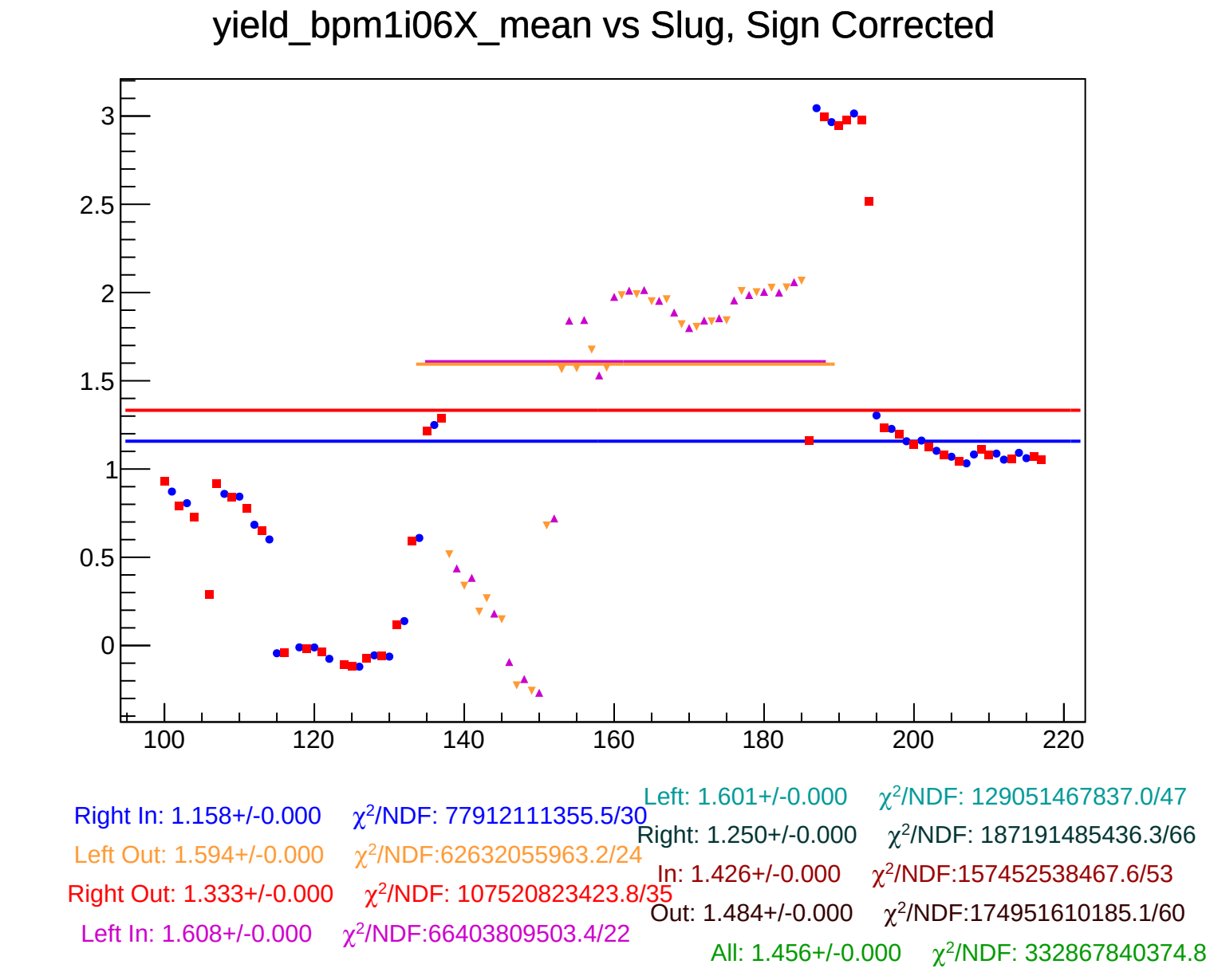
Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

Right: 0.003+/-0.000 χ^2/NDF: 9162484.0/66

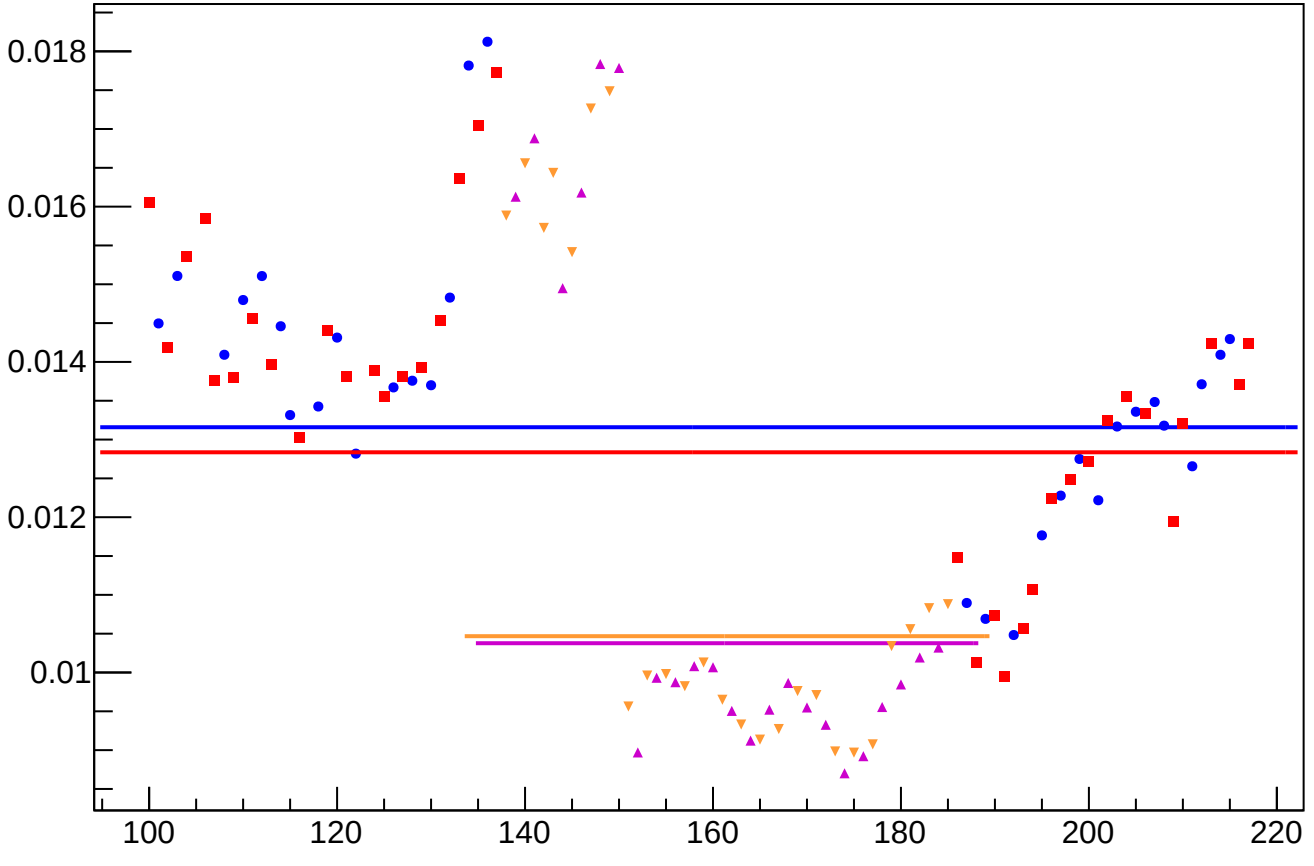
In: 0.003+/-0.000 χ^2/NDF:9790180.8/53

Out: 0.003+/-0.000 χ^2/NDF:10667101.7/60

All: 0.003+/-0.000 χ^2/NDF: 20479347.4/114


yield_bpm1i06X_mean vs Slug, Sign Corrected
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
220
Right In: 1.158+/-0.000 χ²/NDF: 77912111355.5/30
Left Out: 1.594+/-0.000 χ²/NDF:62632055963.2/24
Right Out: 1.333+/-0.000 χ²/NDF: 107520823423.8/35
Left In: 1.608+/-0.000 χ²/NDF:66403809503.4/22
Left: 1.601+/-0.000 χ²/NDF: 129051467837.0/47
Right: 1.250+/-0.000 χ²/NDF: 187191485436.3/66
In: 1.426+/-0.000 χ²/NDF:157452538467.6/53
Out: 1.484+/-0.000 χ²/NDF:174951610185.1/60
All: 1.456+/-0.000 χ²/NDF: 332867840374.8

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 531720.9/30

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 659624.4/35

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

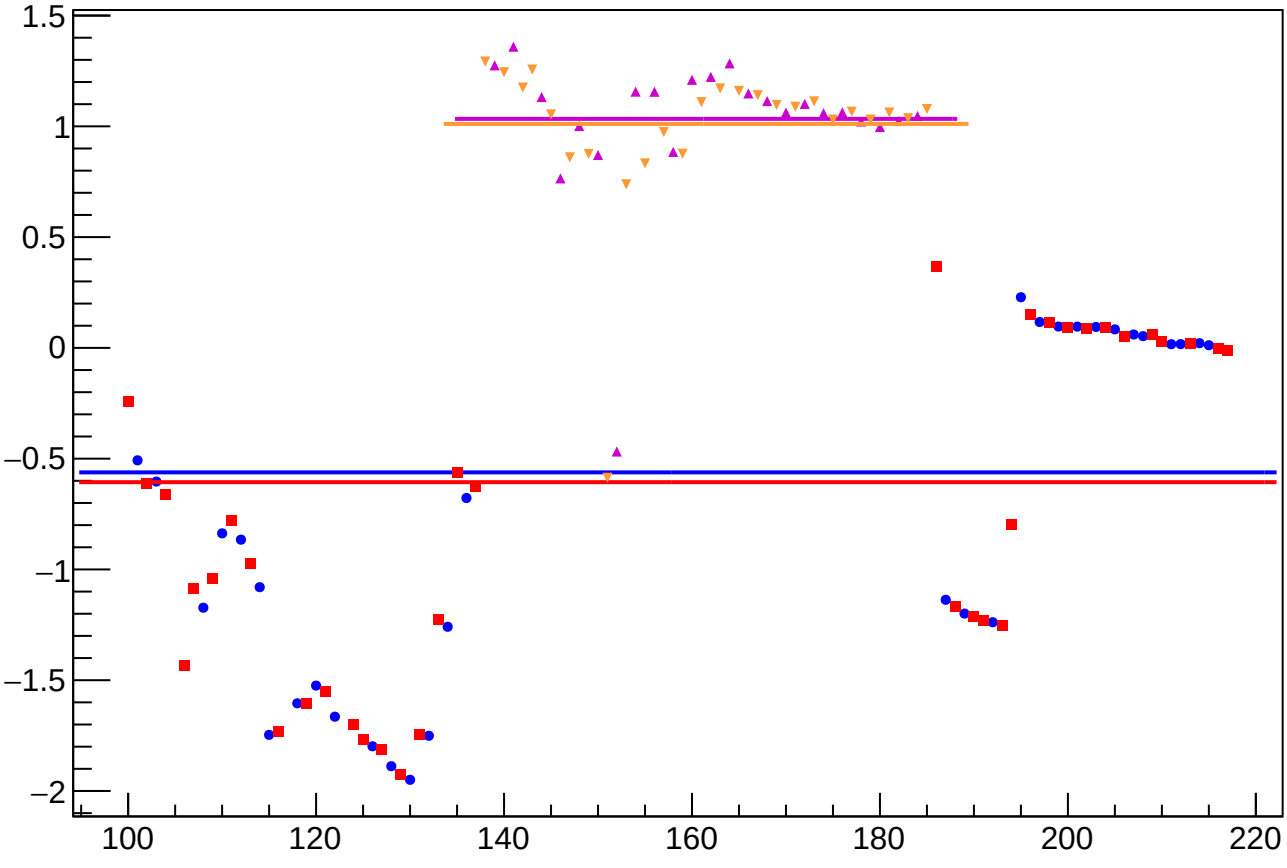
Right: 0.013+/-0.000 χ^2/NDF: 1203280.4/66

In: 0.011+/-0.000 χ^2/NDF:3244479.1/53

Out: 0.011+/-0.000 χ^2/NDF:3108947.7/60

All: 0.011+/-0.000 χ^2/NDF: 6353743.8/114

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: -0.606+/-0.000 χ^2/NDF: 205573831767.0/35

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

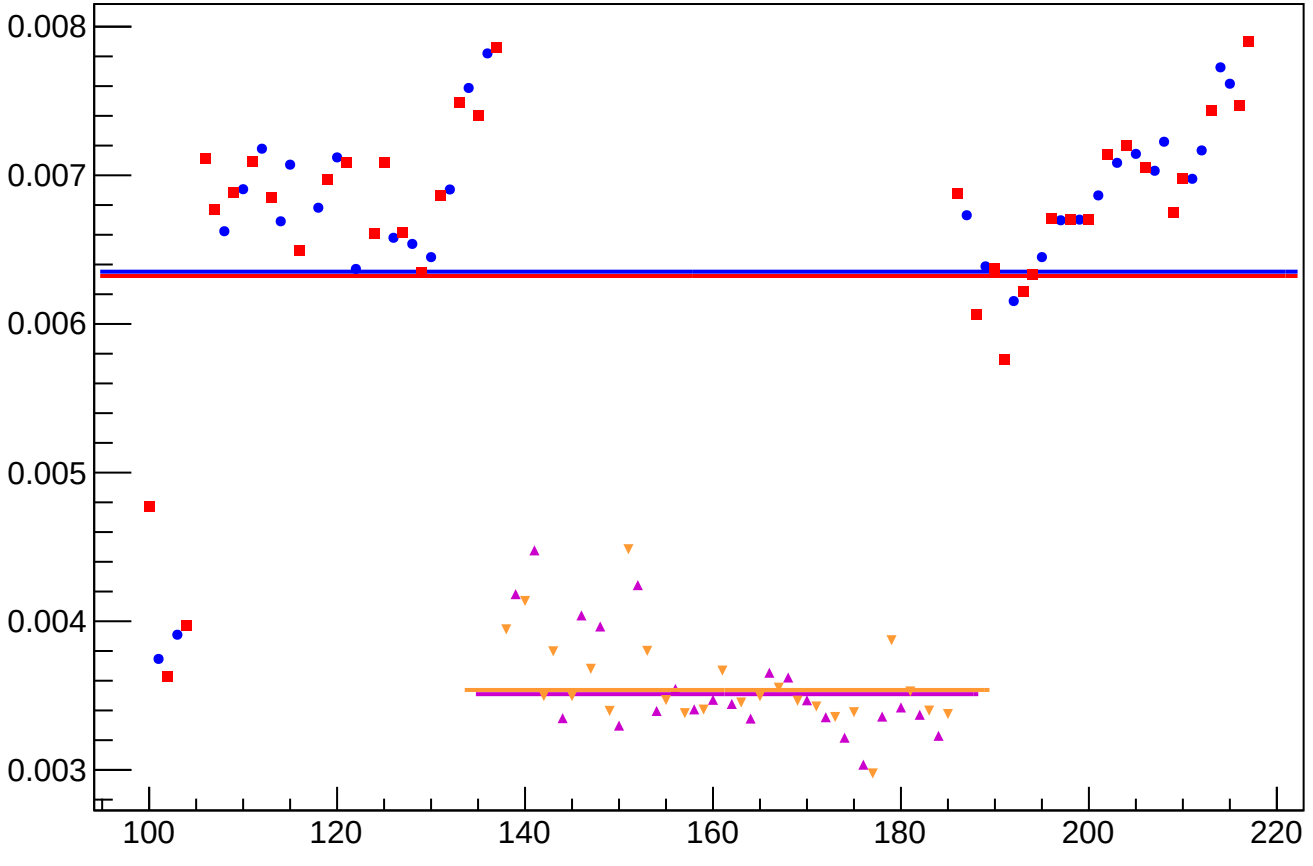
Right: -0.585+/-0.000 χ^2/NDF: 419743450374.7/66

In: 0.641+/-0.000 χ^2/NDF:1182935496438.2/53

Out: 0.603+/-0.000 χ^2/NDF:1244667591837.5/60

All: 0.621+/-0.000 χ^2/NDF: 2428929007763.

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: 1406956.4/35

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

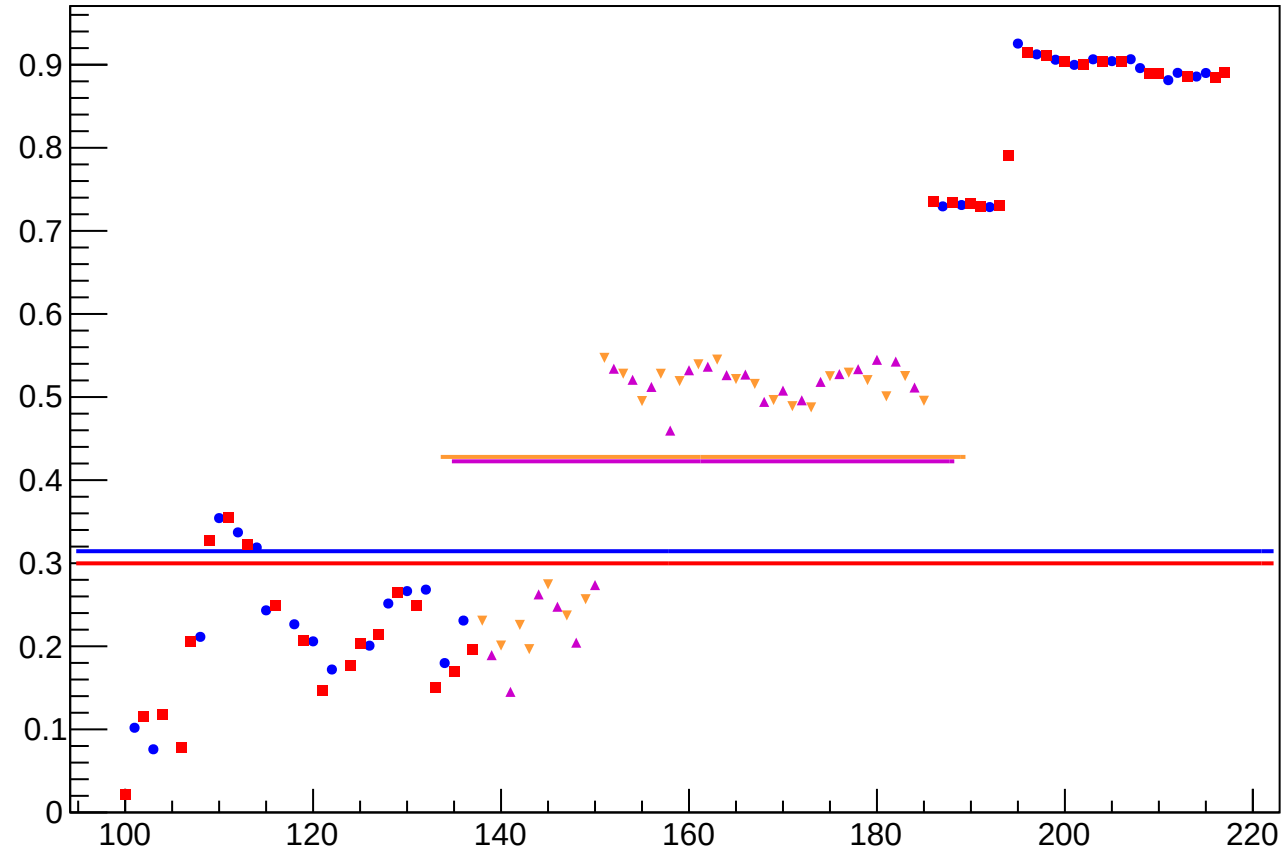
Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

Right: 0.006+/-0.000 χ^2/NDF: 2770495.8/66

In: 0.004+/-0.000 χ^2/NDF:7003410.7/53

Out: 0.004+/-0.000 χ^2/NDF:7126969.7/60

All: 0.004+/-0.000 χ^2/NDF: 14132186.9/114



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: 0.300+/-0.000 χ^2/NDF: 258587703437.1/35

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

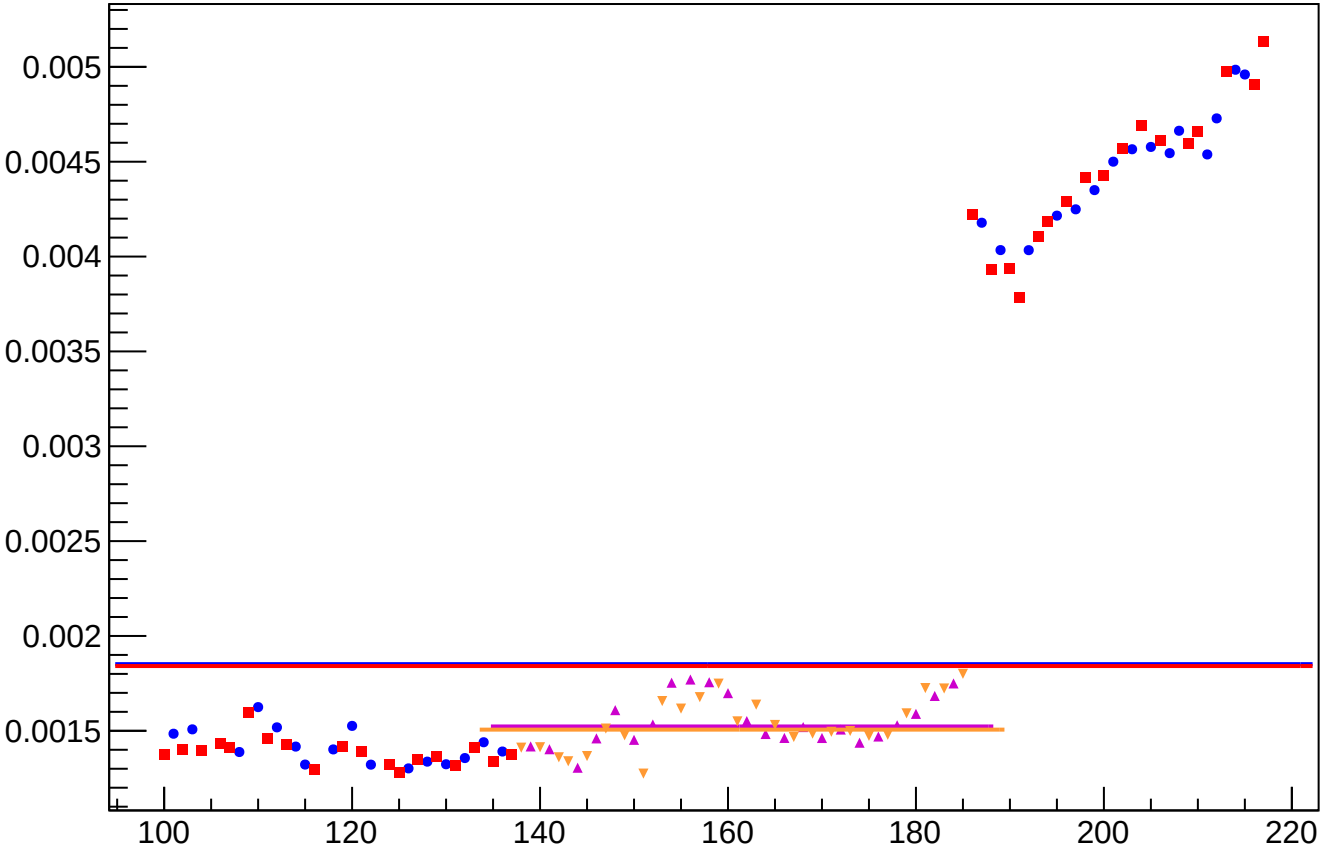
Right: 0.307+/-0.000 χ^2/NDF: 495719493775.5/66

In: 0.385+/-0.000 χ^2/NDF:426211642395.5/53

Out: 0.384+/-0.000 χ^2/NDF:460165234037.8/60

All: 0.384+/-0.000 χ^2/NDF: 886393285289.0

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9706309.7/30

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10634677.5/35

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

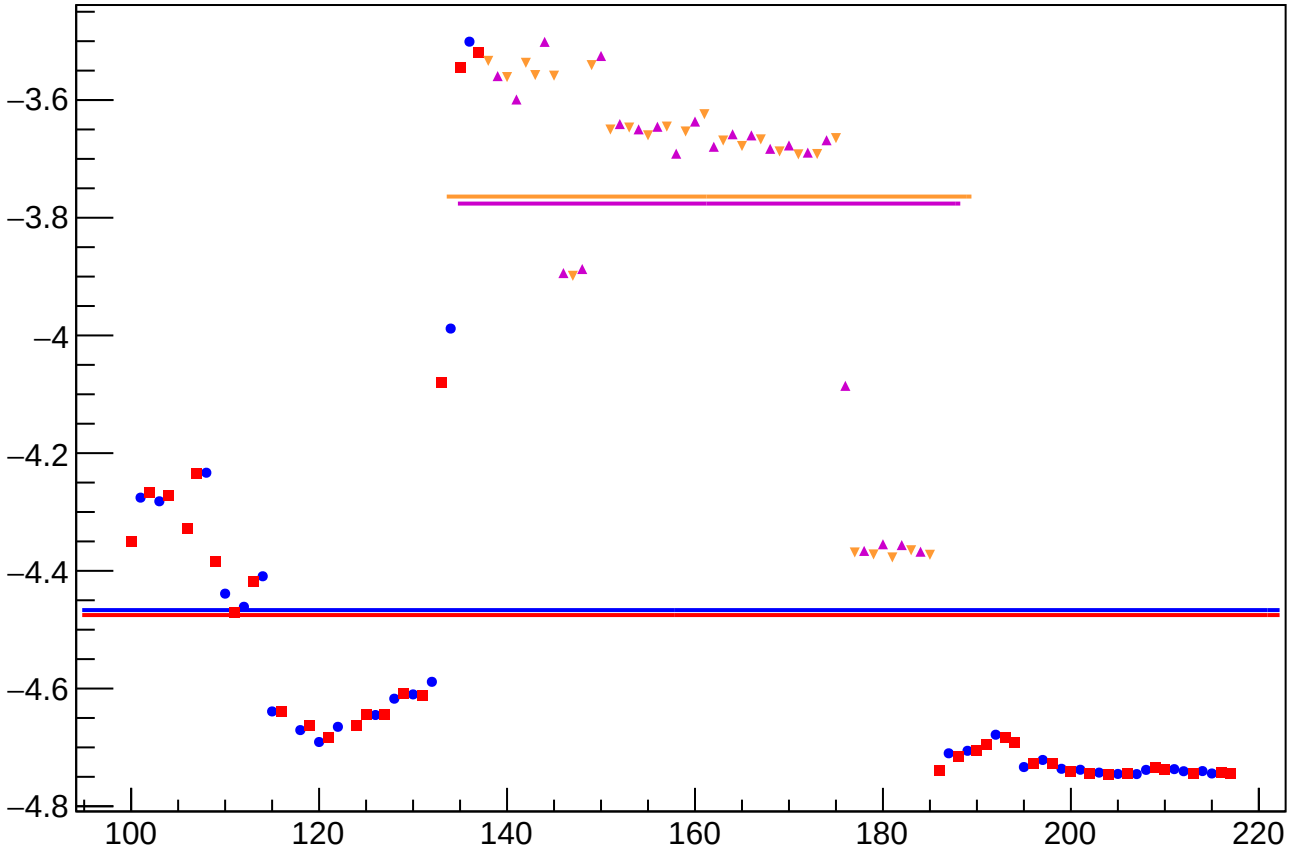
Right: 0.002+/-0.000 χ^2/NDF: 20341414.4/66

In: 0.002+/-0.000 χ^2/NDF:10520267.8/53

Out: 0.002+/-0.000 χ^2/NDF:11567428.4/60

All: 0.002+/-0.000 χ^2/NDF: 22090207.7/114

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: -4.475+/-0.000 χ^2/NDF: 400083413171.4/35

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

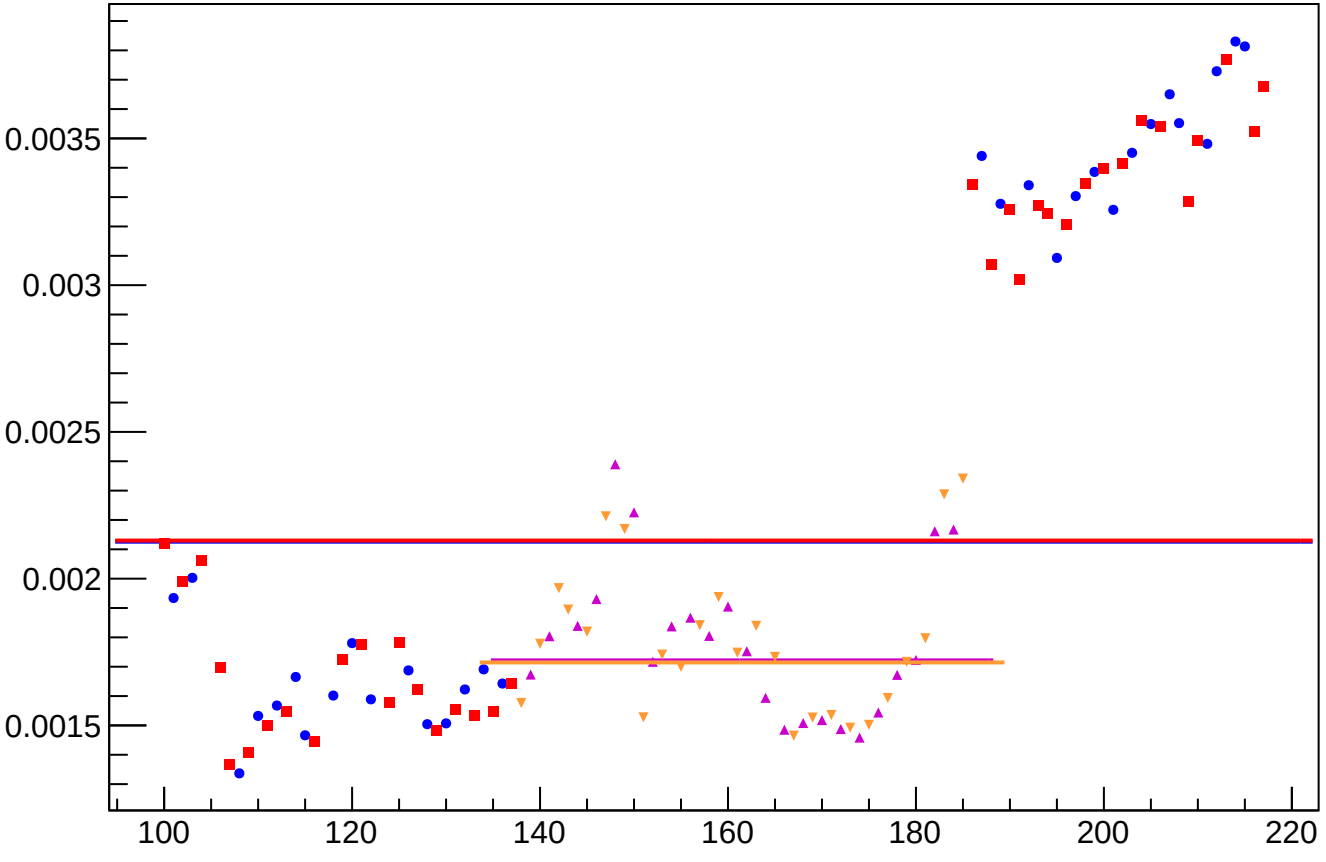
Right: -4.471+/-0.000 χ^2/NDF: 849222305468.1/66

In: -4.037+/-0.000 χ^2/NDF:1922244067666.6/53

Out: -4.035+/-0.000 χ^2/NDF:2100493809315.2/60

All: -4.036+/-0.000 χ^2/NDF: 4022759763753

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: 5329446.4/35

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

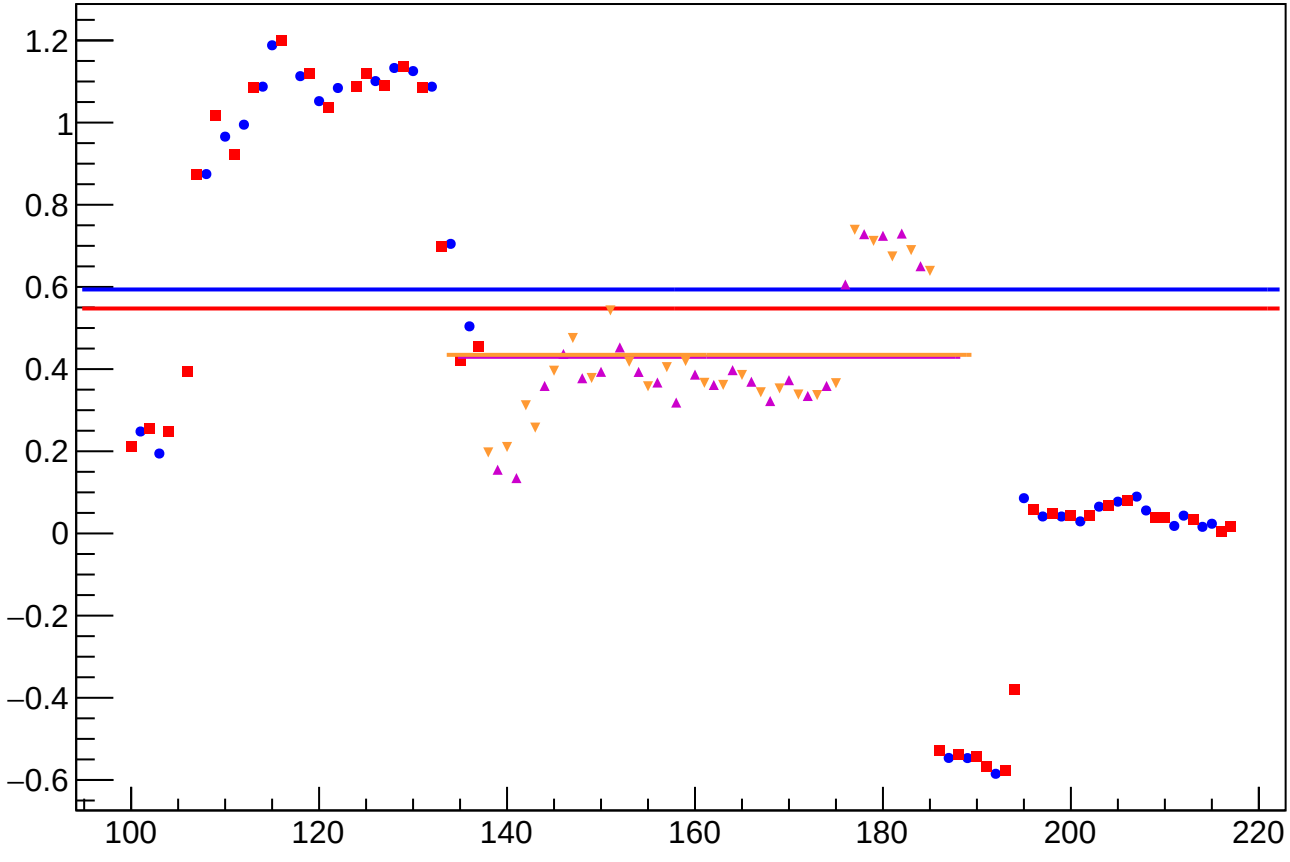
Right: 0.002+/-0.000 χ^2/NDF: 10434479.5/66

In: 0.002+/-0.000 χ^2/NDF:6420782.9/53

Out: 0.002+/-0.000 χ^2/NDF:6721693.8/60

All: 0.002+/-0.000 χ^2/NDF: 13142505.4/114

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: 0.548+/-0.000 χ^2/NDF: 94684996354.4/35

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

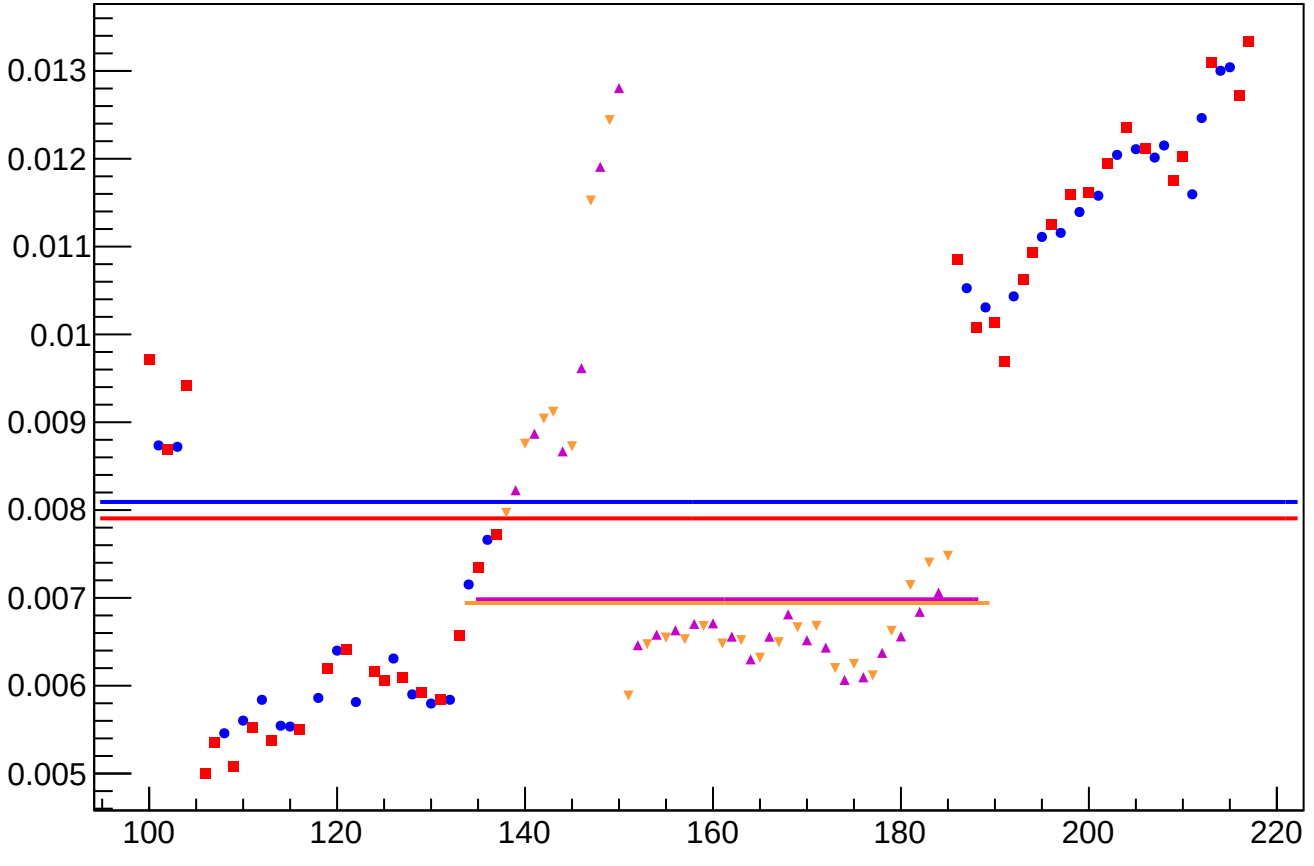
Right: 0.569+/-0.000 χ^2/NDF: 170670720207.6/66

In: 0.499+/-0.000 χ^2/NDF:88828117361.9/53

Out: 0.483+/-0.000 χ^2/NDF:105323056571.4/60

All: 0.491+/-0.000 χ^2/NDF: 194231193736.4

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: 4471101.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

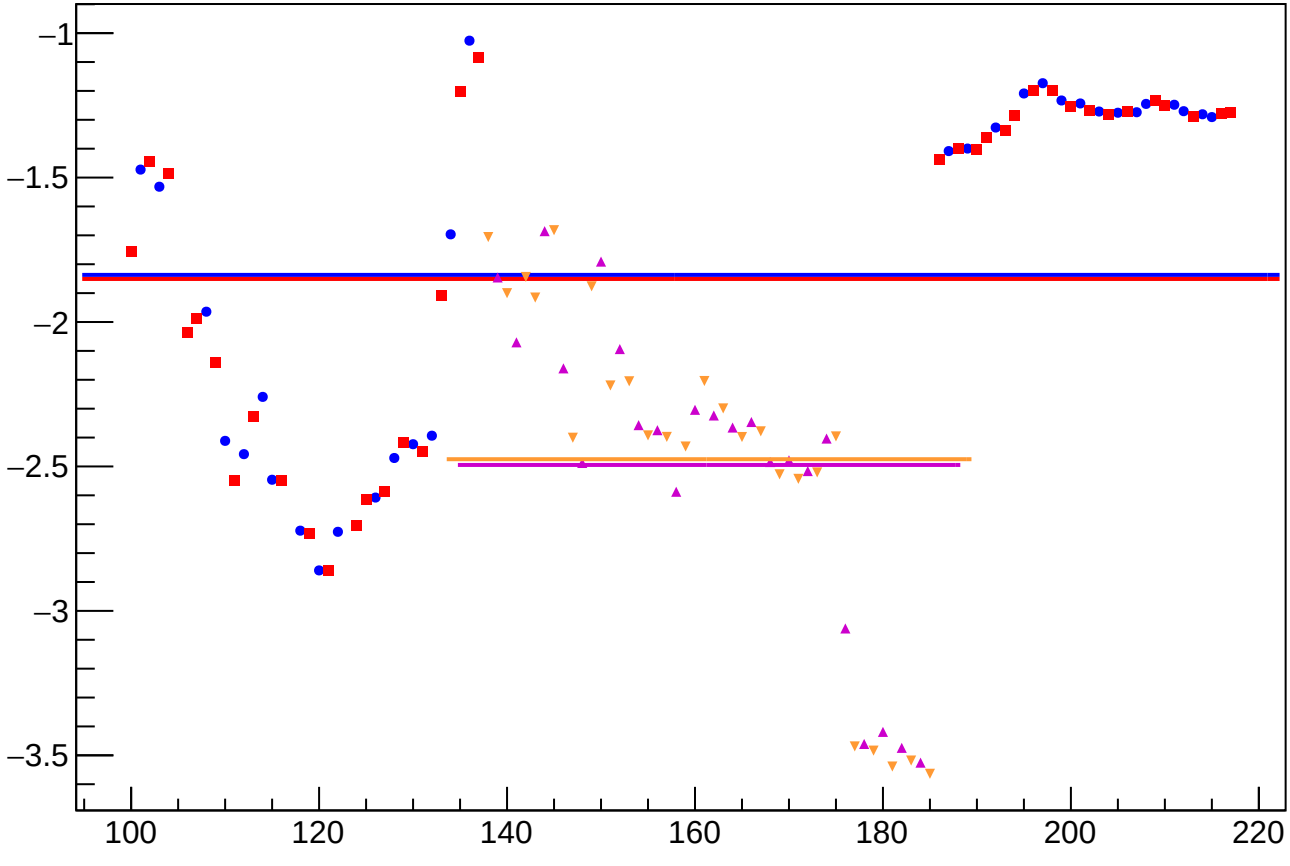
Right: 0.008+/-0.000 χ^2/NDF: 8260561.5/66

In: 0.007+/-0.000 χ^2/NDF:5291068.6/53

Out: 0.007+/-0.000 χ^2/NDF:5871802.6/60

All: 0.007+/-0.000 χ^2/NDF: 11168666.3/114

yield_bpm2i02Y_mean vs Slug, Sign Corrected



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: -1.851+/-0.000 χ^2/NDF: 120242577521.4/35

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

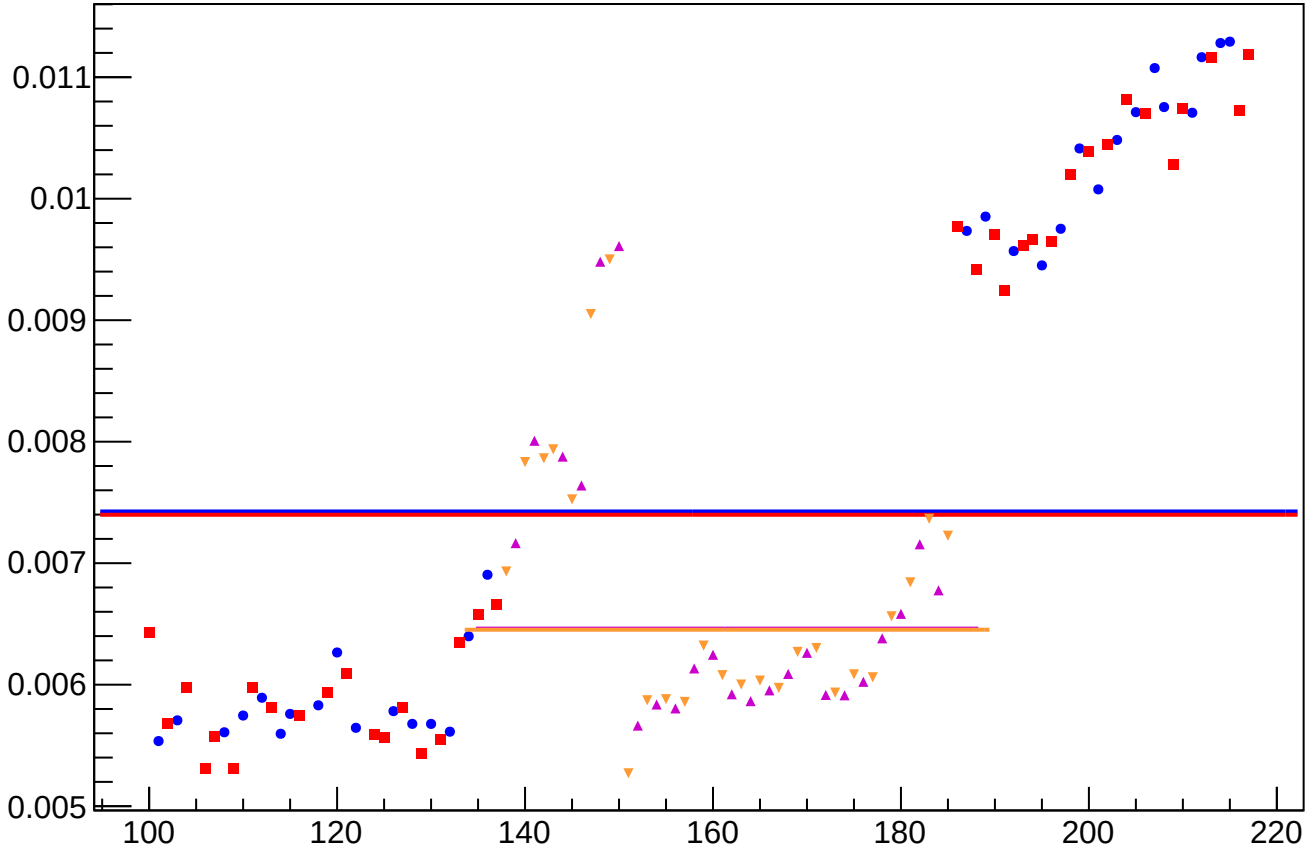
Right: -1.844+/-0.000 χ^2/NDF: 241252693264.6/66

In: -2.214+/-0.000 χ^2/NDF:297132764927.2/53

Out: -2.205+/-0.000 χ^2/NDF:319818152009.0/60

All: -2.209+/-0.000 χ^2/NDF: 616981364073.6

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: 3296693.7/35

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

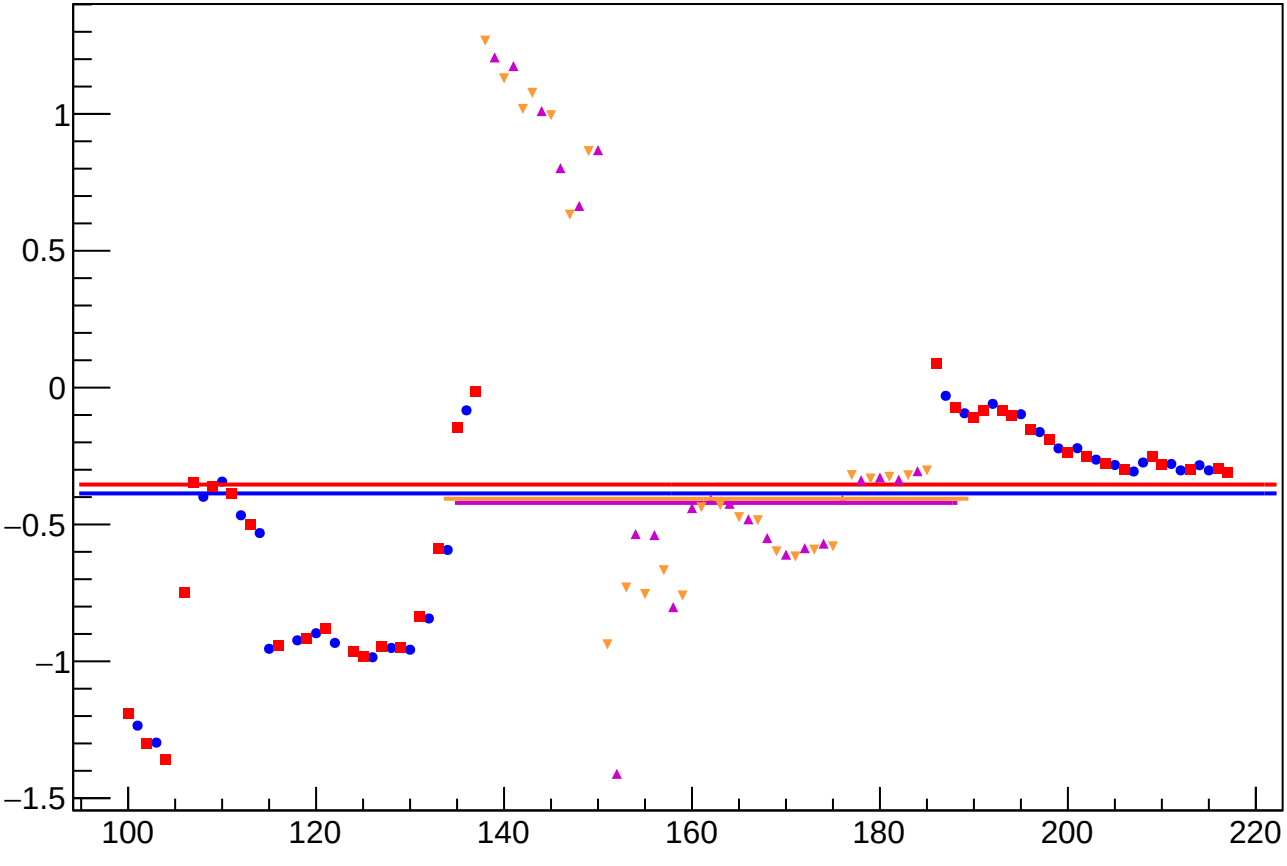
Right: 0.007+/-0.000 χ^2/NDF: 6433471.2/66

In: 0.007+/-0.000 χ^2/NDF:4198187.5/53

Out: 0.007+/-0.000 χ^2/NDF:4362269.7/60

All: 0.007+/-0.000 χ^2/NDF: 8560558.4/114

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: -0.354+/-0.000 χ^2/NDF: 27363591306.1/35

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

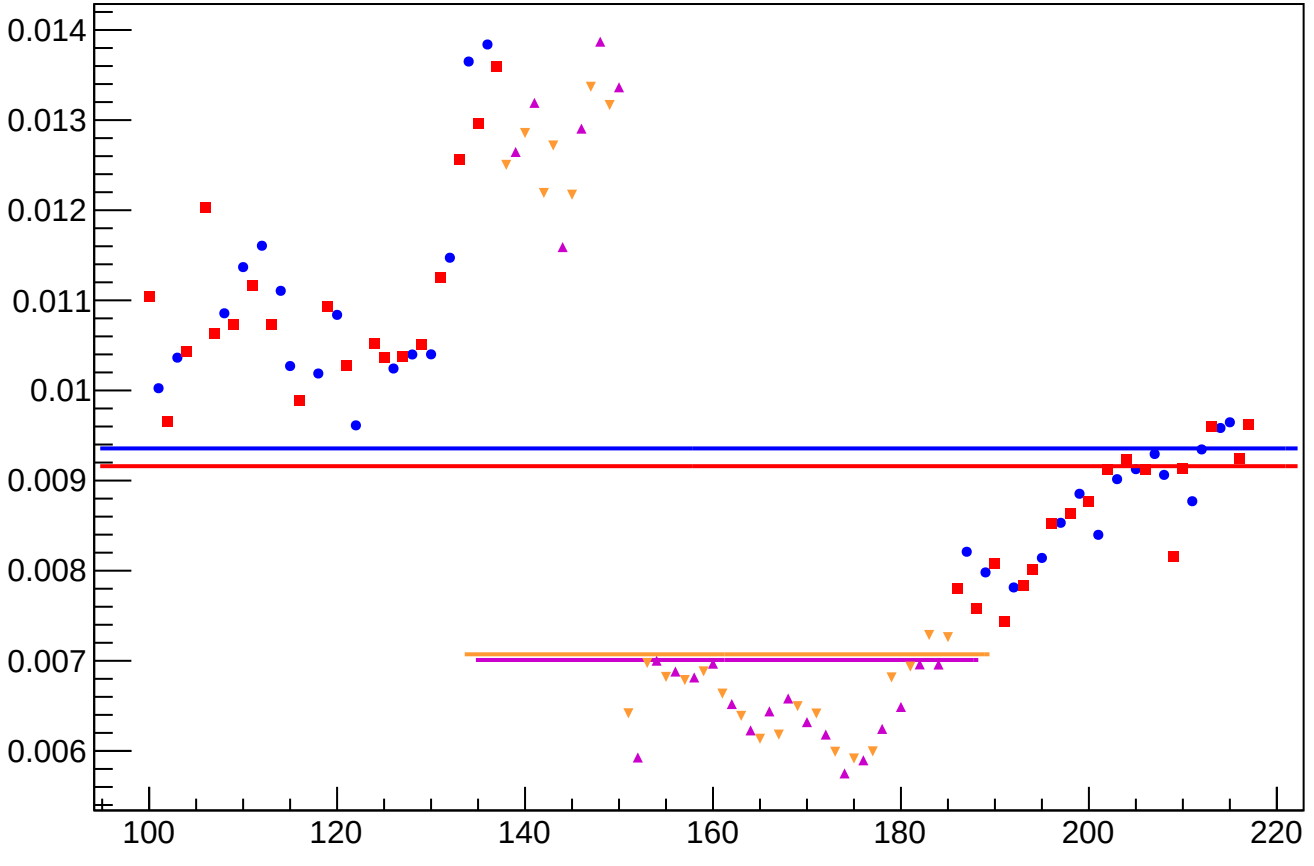
Right: -0.369+/-0.000 χ^2/NDF: 52143201989.2/66

In: -0.408+/-0.000 χ^2/NDF:115061119014.4/53

Out: -0.385+/-0.000 χ^2/NDF:109379160195.9/60

All: -0.396+/-0.000 χ^2/NDF: 224587041780.6

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: 708370.2/35

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

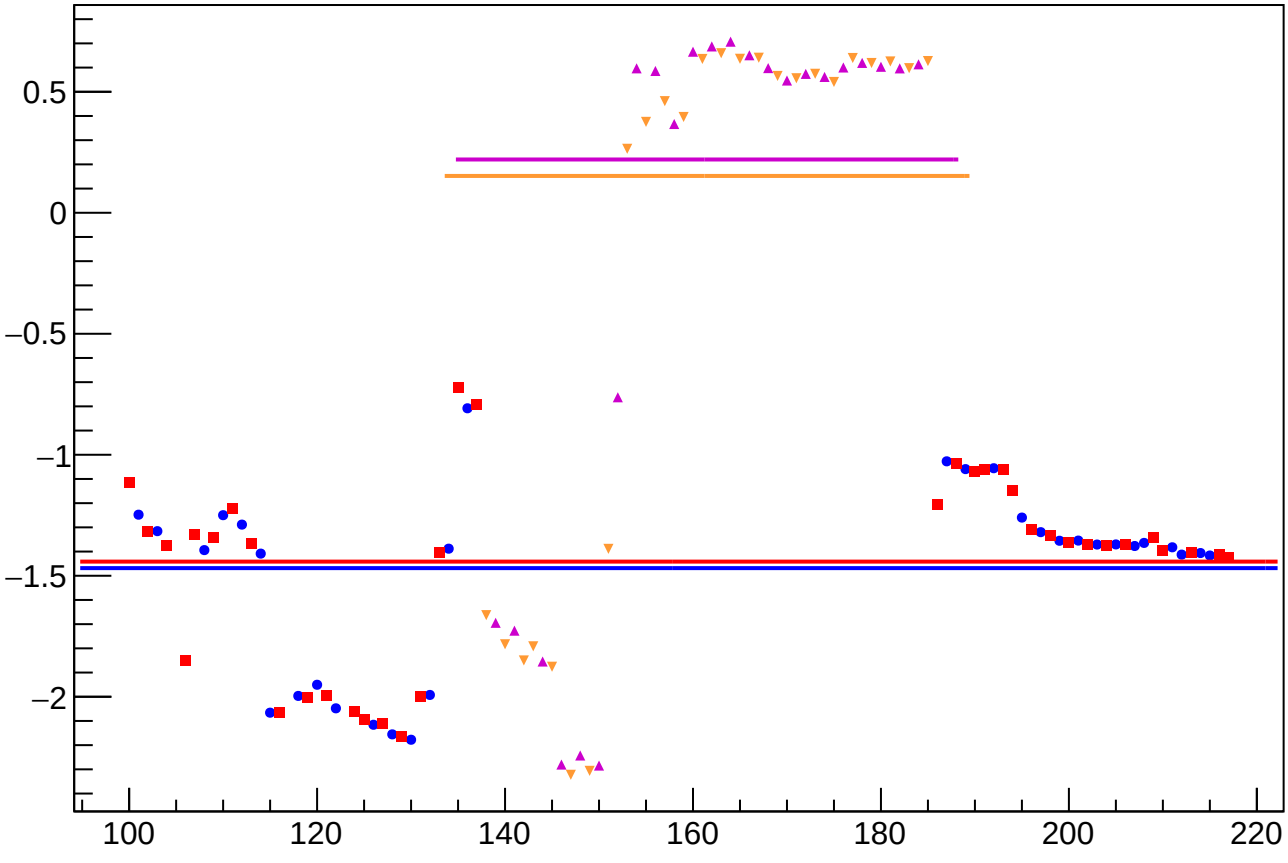
Right: 0.009+/-0.000 χ^2/NDF: 1355636.7/66

In: 0.008+/-0.000 χ^2/NDF:4540082.8/53

Out: 0.008+/-0.000 χ^2/NDF:4331988.0/60

All: 0.008+/-0.000 χ^2/NDF: 8872076.1/114

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: 172713261633.2/35

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

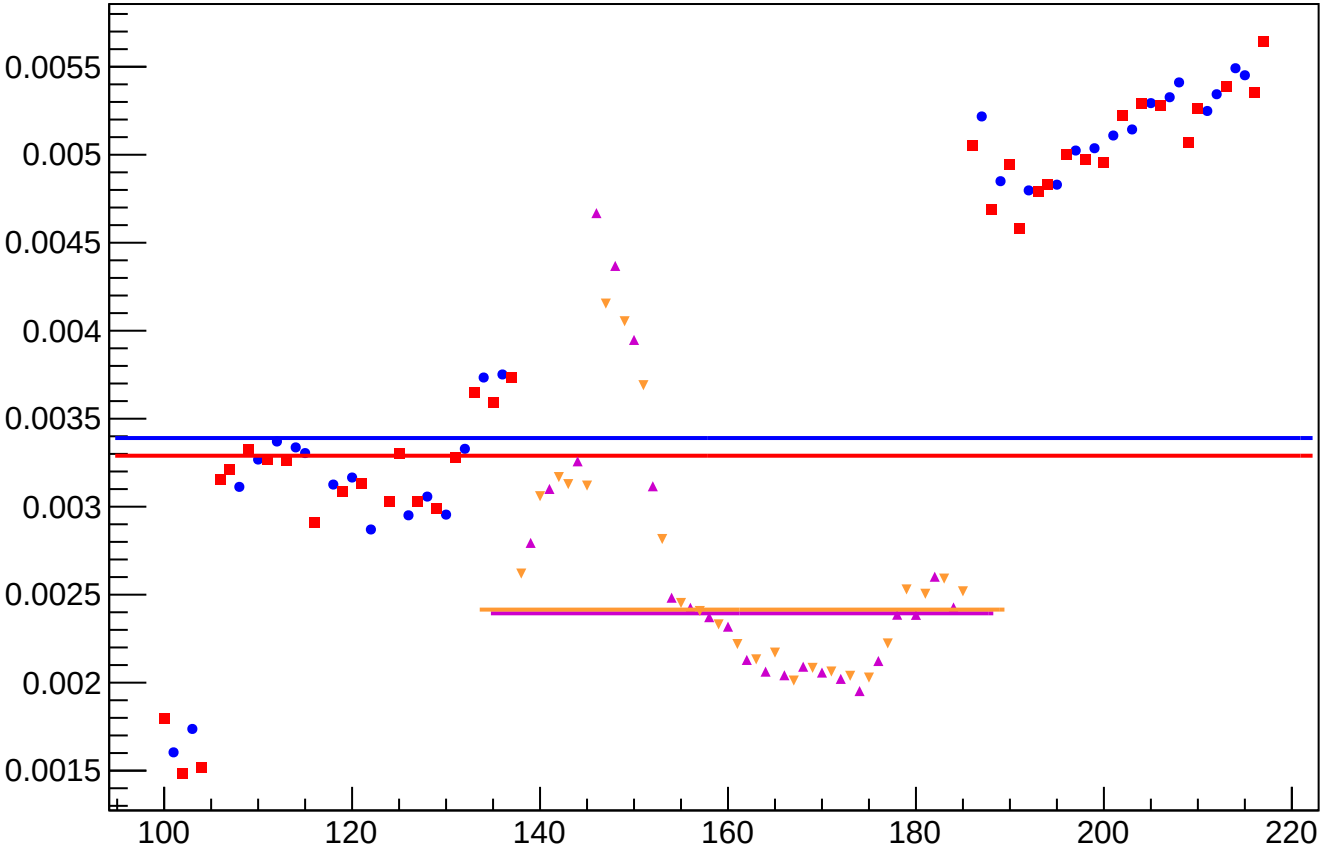
Right: -1.454+/-0.000 χ^2/NDF: 357133686350.0/66

In: -0.336+/-0.000 χ^2/NDF:4922572724188.3/53

Out: -0.391+/-0.000 χ^2/NDF:5106253036835.8/60

All: -0.364+/-0.000 χ^2/NDF: 1003548269010

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: 6368497.6/35

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

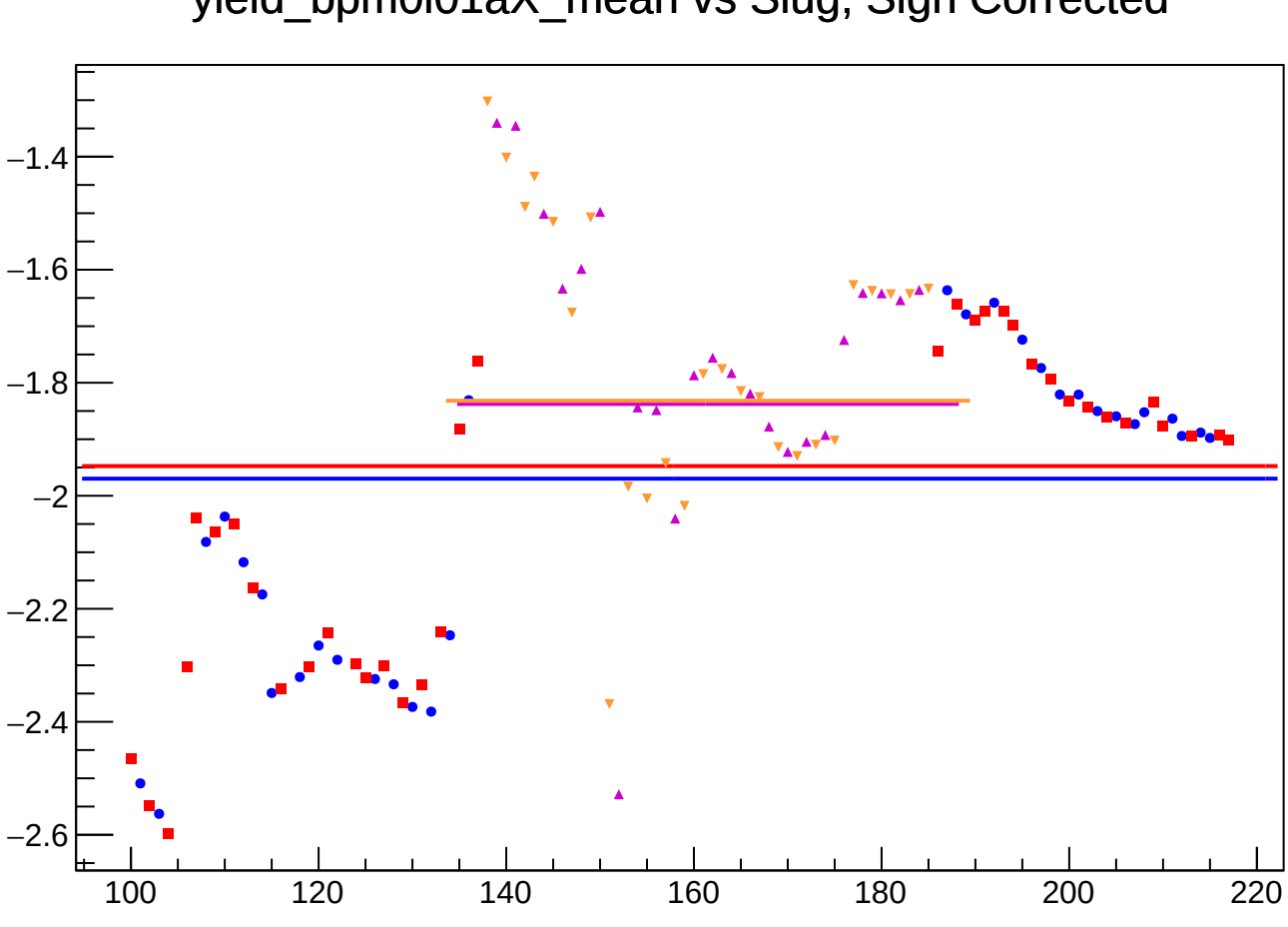
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11643308.7/66

In: 0.003+/-0.000 χ^2/NDF:8490678.1/53

Out: 0.003+/-0.000 χ^2/NDF:9115173.6/60

All: 0.003+/-0.000 χ^2/NDF: 17606163.5/114



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: -1.948+/-0.000 χ^2/NDF: 38106033603.7/35

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

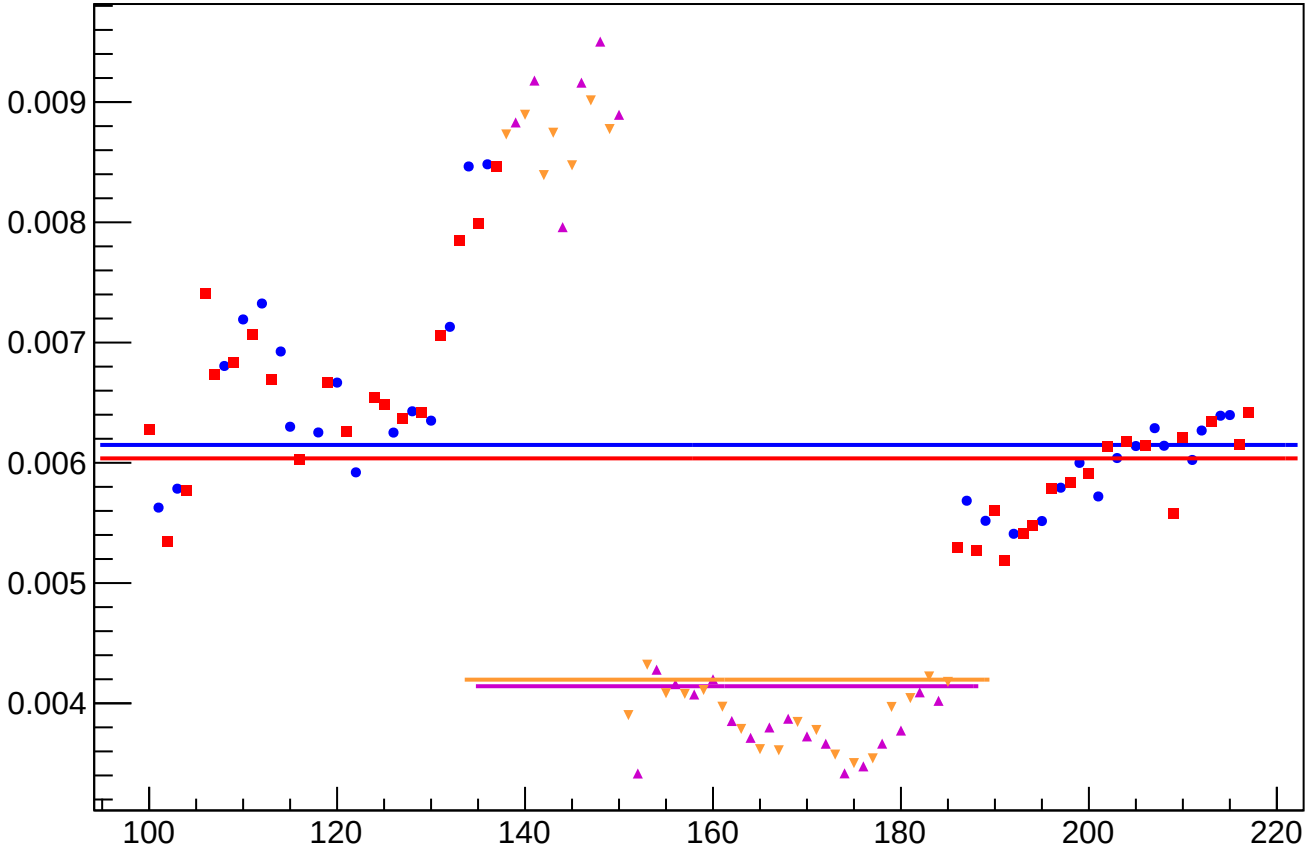
Right: -1.958+/-0.000 χ^2/NDF: 72370473770.0/66

In: -1.883+/-0.000 χ^2/NDF:93220596088.8/53

Out: -1.873+/-0.000 χ^2/NDF:81157657088.0/60

All: -1.878+/-0.000 χ^2/NDF: 174446520437.4

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: 403786.5/35

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

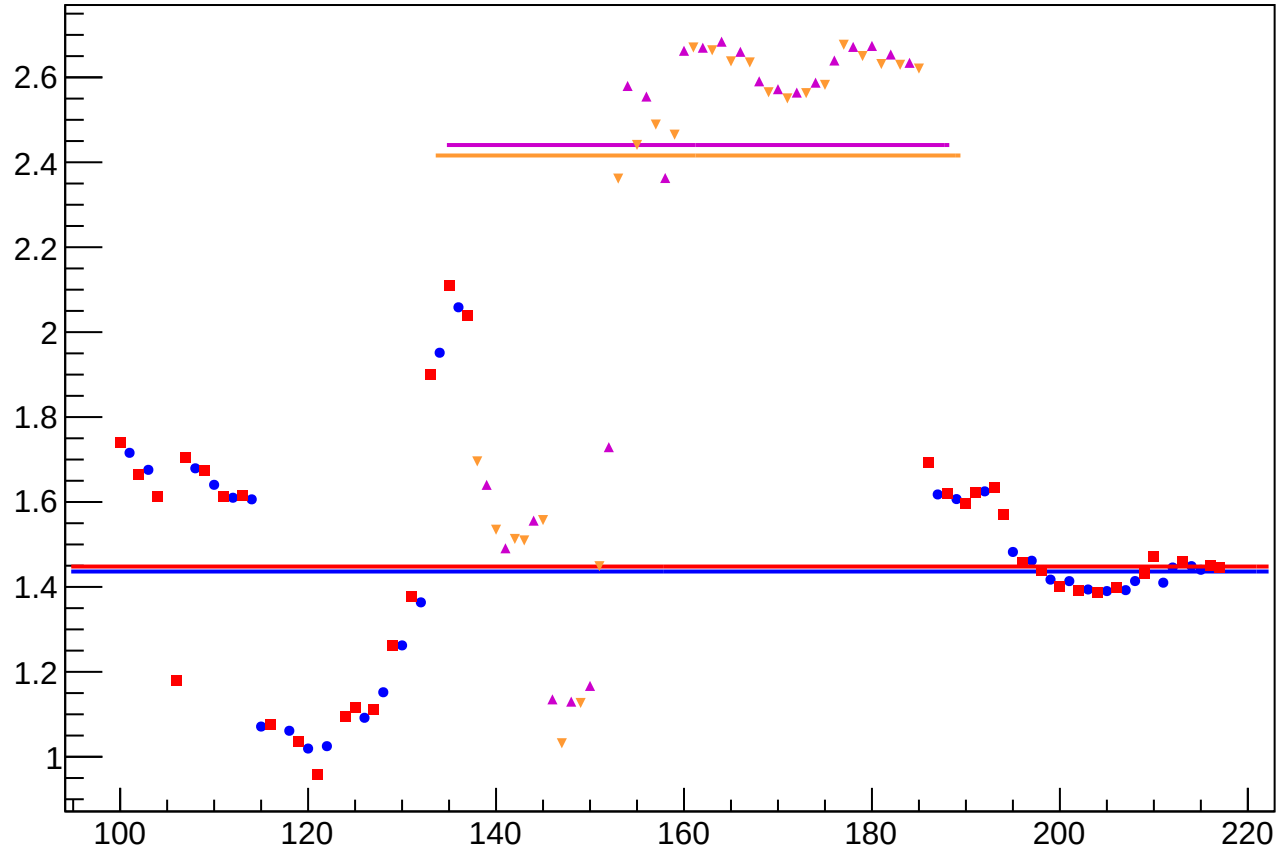
Right: 0.006+/-0.000 χ^2/NDF: 784407.6/66

In: 0.005+/-0.000 χ^2/NDF:6171898.3/53

Out: 0.005+/-0.000 χ^2/NDF:5868478.5/60

All: 0.005+/-0.000 χ^2/NDF: 12041365.6/114

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: 186652076596.8/35

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

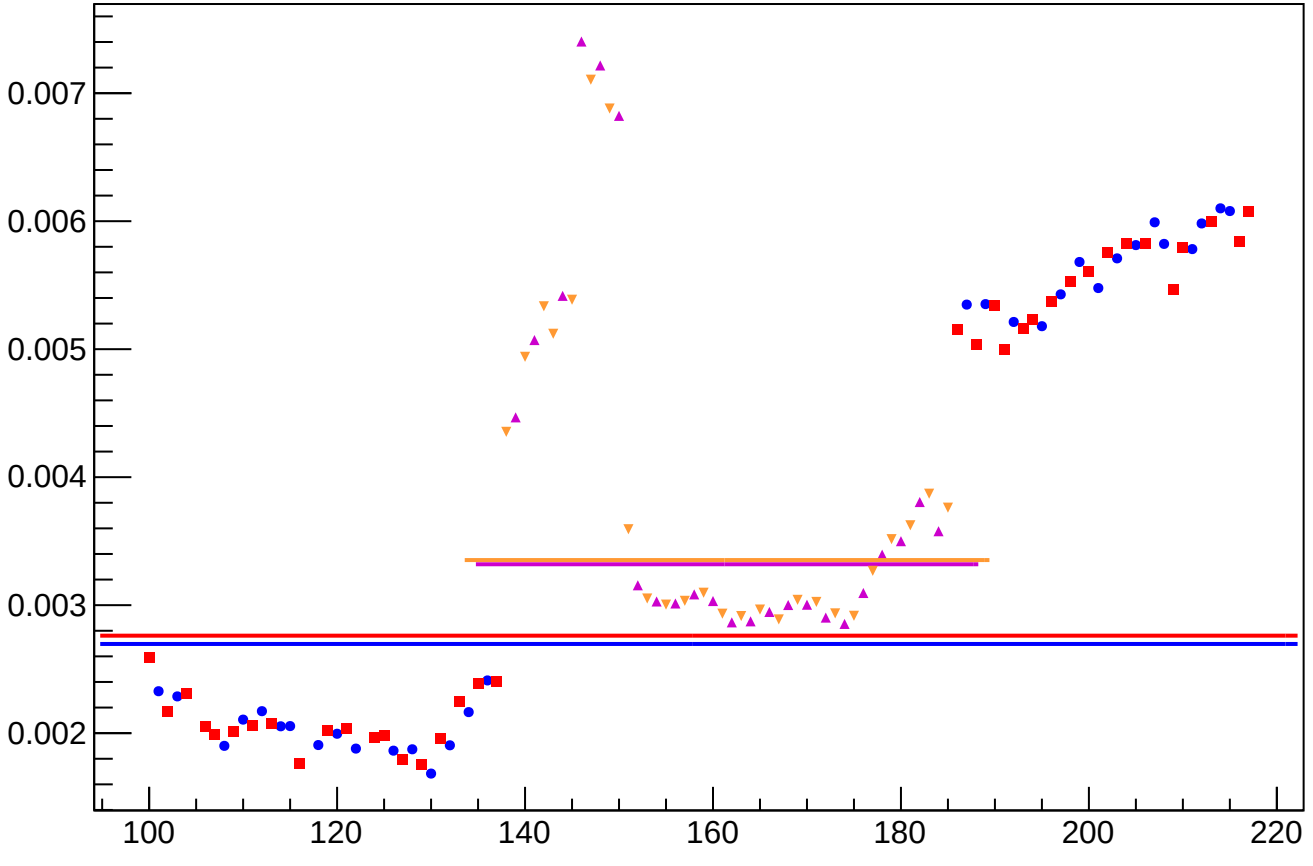
Right: 1.442+/-0.000 χ^2/NDF: 378297363754.4/66

In: 1.864+/-0.000 χ^2/NDF:1281352668411.6/53

Out: 1.864+/-0.000 χ^2/NDF:1258513804886.2/60

All: 1.864+/-0.000 χ^2/NDF: 2539866613554.

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: 8480416.3/35

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

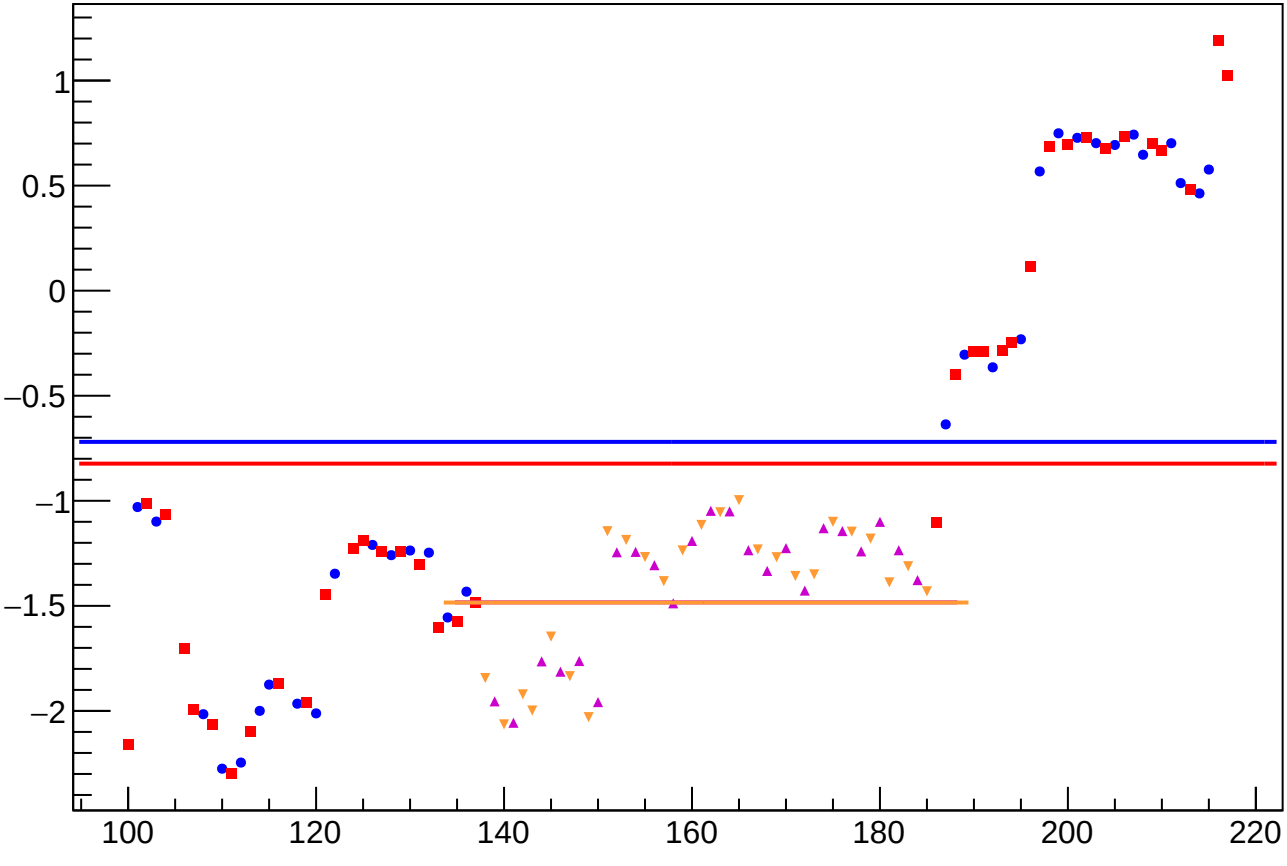
Right: 0.003+/-0.000 χ^2/NDF: 16712307.1/66

In: 0.003+/-0.000 χ^2/NDF:10938799.7/53

Out: 0.003+/-0.000 χ^2/NDF:10917578.5/60

All: 0.003+/-0.000 χ^2/NDF: 21866574.2/114

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: -0.823+/-0.000 χ^2/NDF: 304003241552.6/35

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

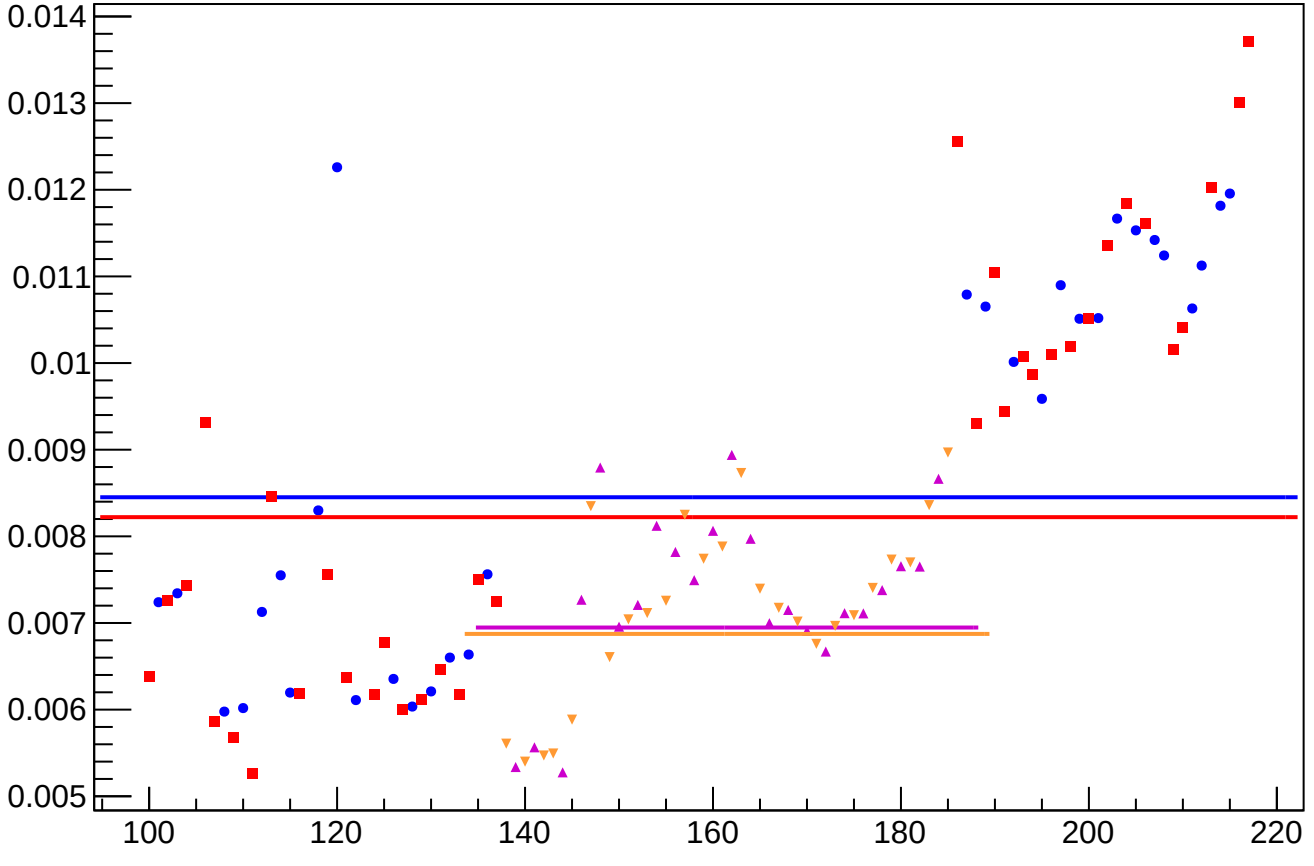
Right: -0.775+/-0.000 χ^2/NDF: 556937196716.5/66

In: -1.174+/-0.000 χ^2/NDF:375187083275.8/53

Out: -1.210+/-0.000 χ^2/NDF:421844150519.0/60

All: -1.193+/-0.000 χ^2/NDF: 797435718716.1

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: 2868916.7/35

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

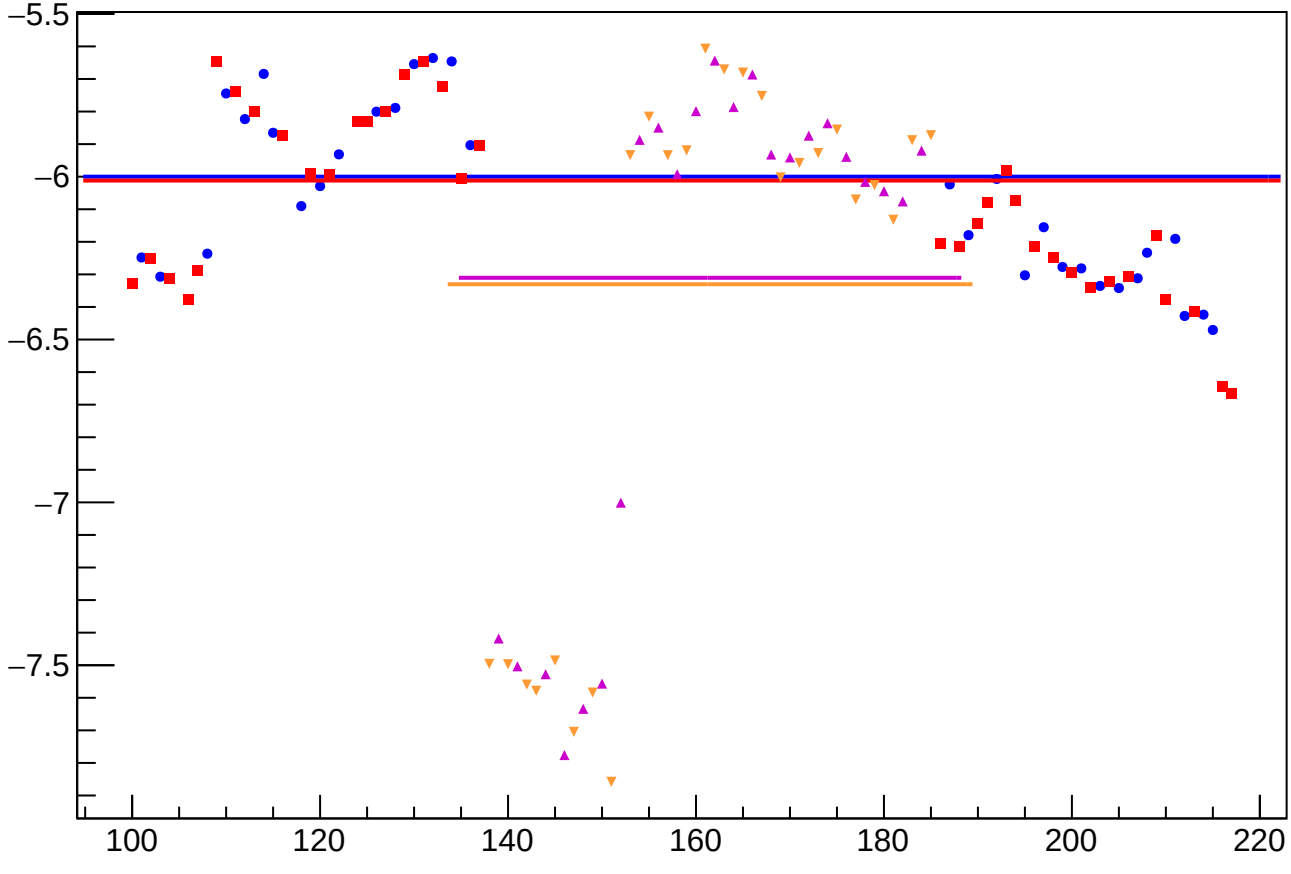
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.008+/-0.000 χ^2/NDF: 5188776.7/66

In: 0.008+/-0.000 χ^2/NDF:3698642.5/53

Out: 0.007+/-0.000 χ^2/NDF:4191131.1/60

All: 0.007+/-0.000 χ^2/NDF: 7899327.2/114



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: -6.012+/-0.000 χ^2/NDF: 20602451027.9/35

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

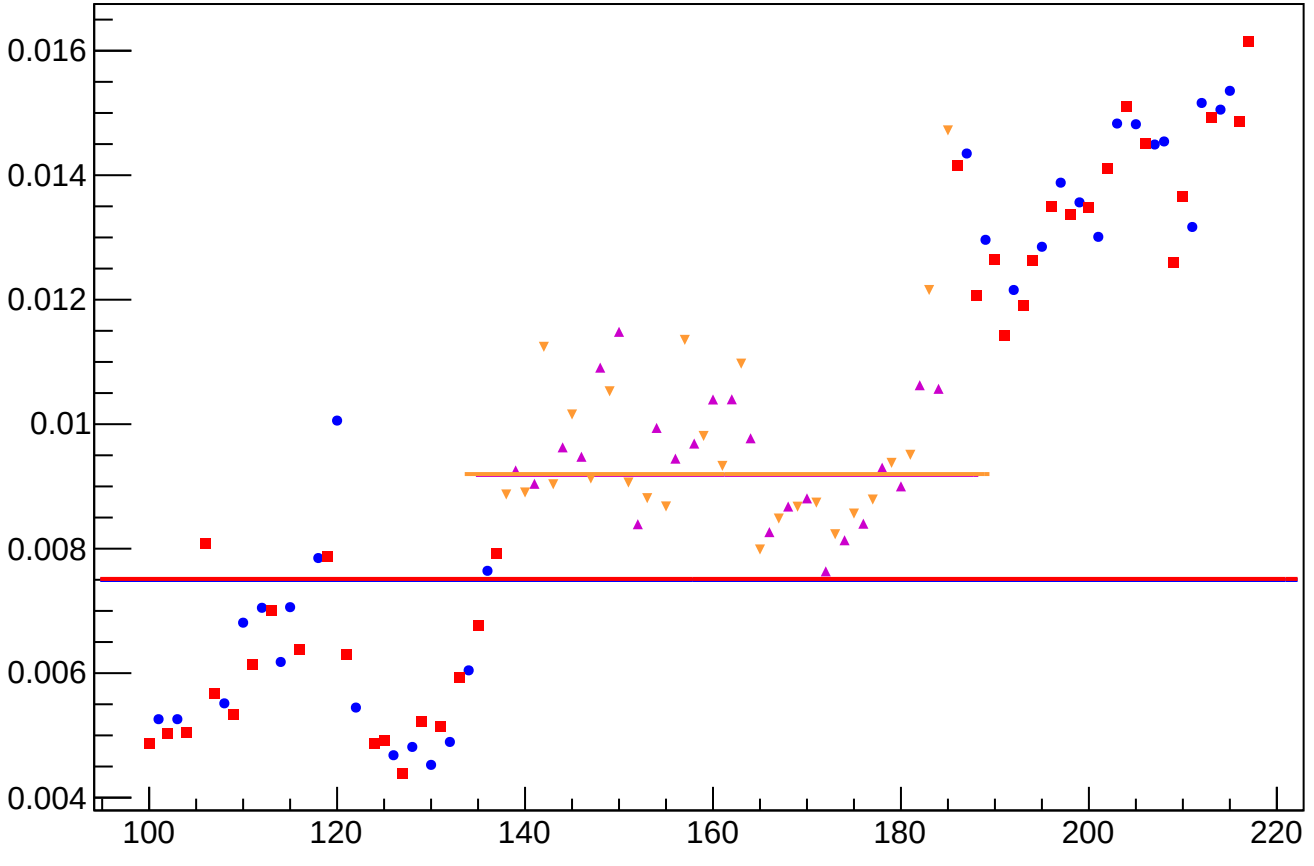
Right: -6.006+/-0.000 χ^2/NDF: 38874158657.0/66

In: -6.129+/-0.000 χ^2/NDF:120251541733.2/53

Out: -6.141+/-0.000 χ^2/NDF:142425191611.4/60

All: -6.135+/-0.000 χ^2/NDF: 262711561347.4

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: 0.008+/-0.000 χ^2/NDF: 7132978.5/35

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

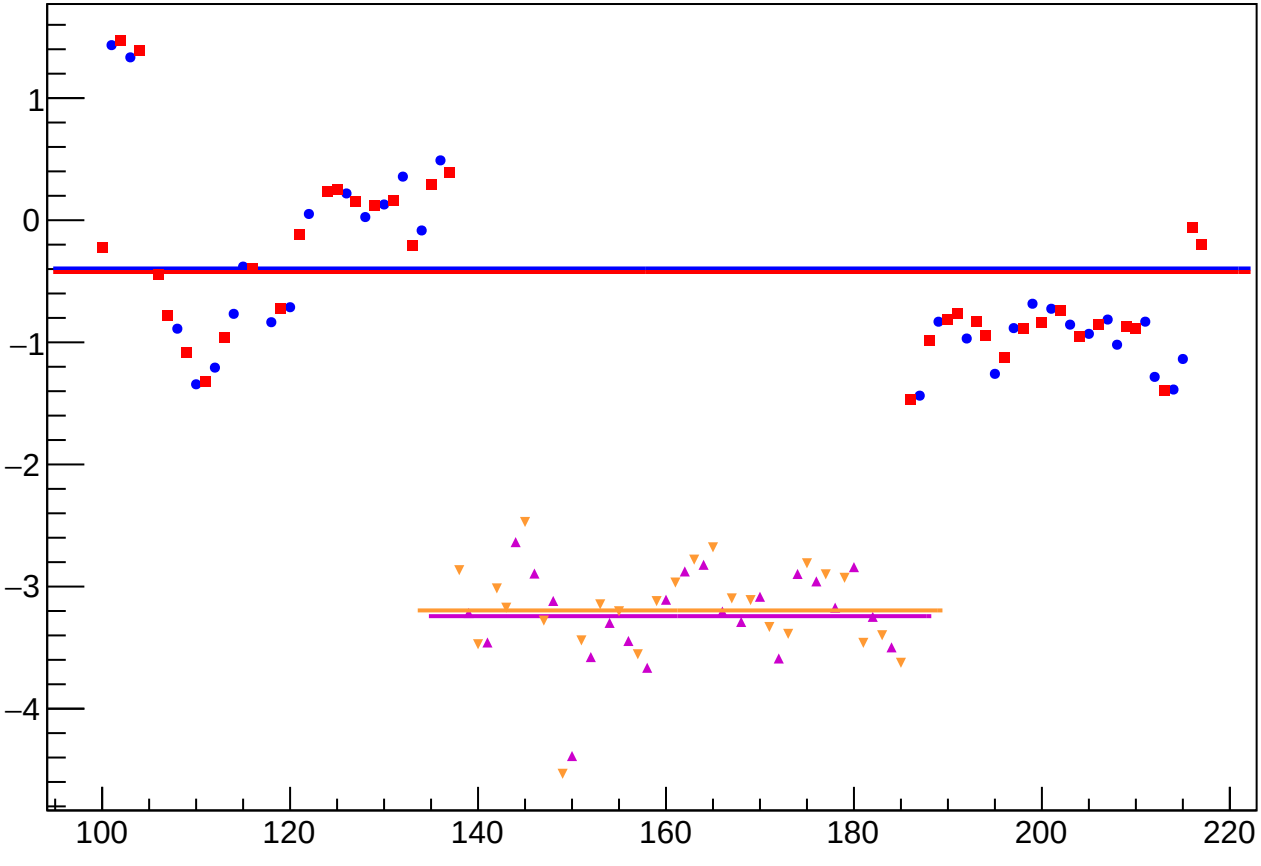
Right: 0.008+/-0.000 χ^2/NDF: 14117373.2/66

In: 0.008+/-0.000 χ^2/NDF:7912667.0/53

Out: 0.008+/-0.000 χ^2/NDF:8143535.0/60

All: 0.008+/-0.000 χ^2/NDF: 16056202.8/114

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.395+/-0.000 χ^2/NDF: 39792327247.0/30

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.424+/-0.000 χ^2/NDF: 38468238935.8/35

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

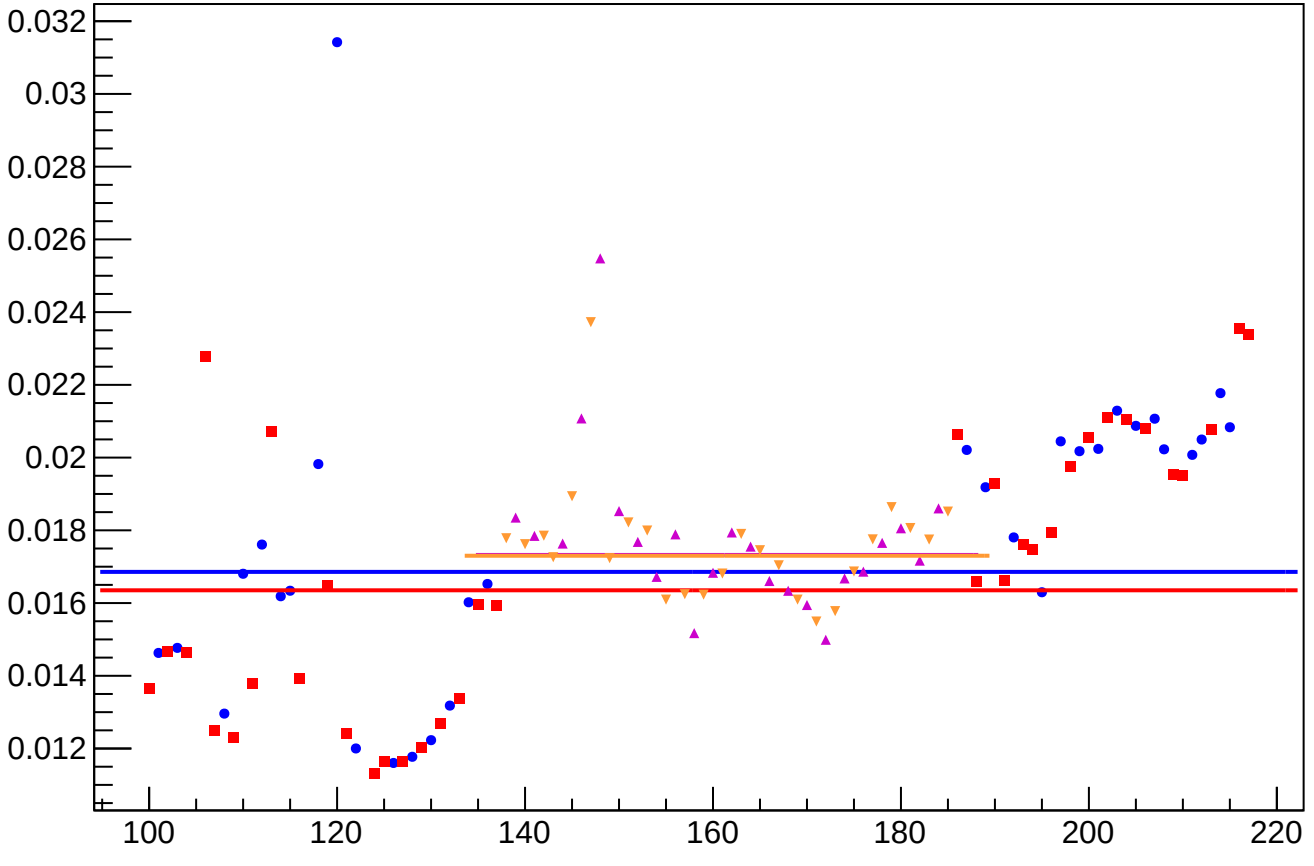
Right: -0.411+/-0.000 χ^2/NDF: 78288078585.4/66

In: -1.781+/-0.000 χ^2/NDF:290840582848.8/53

Out: -1.719+/-0.000 χ^2/NDF:302017054621.5/60

All: -1.748+/-0.000 χ^2/NDF: 593098713701.7

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: 1848394.0/35

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

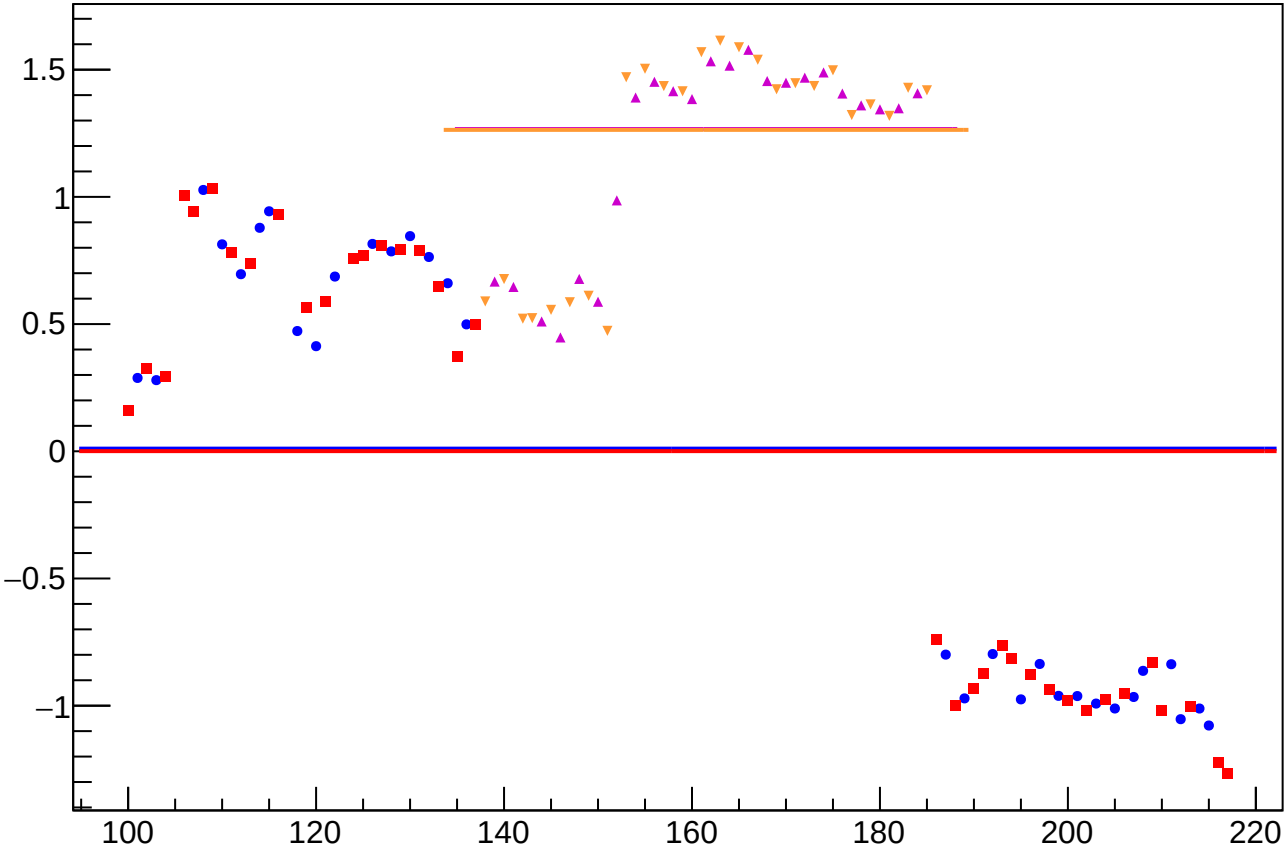
Right: 0.017+/-0.000 χ^2/NDF: 3499770.7/66

In: 0.017+/-0.000 χ^2/NDF:1977355.7/53

Out: 0.017+/-0.000 χ^2/NDF:2126160.4/60

All: 0.017+/-0.000 χ^2/NDF: 4114045.6/114

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: 0.001+/-0.000 χ^2/NDF: 108266542199.7/35

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

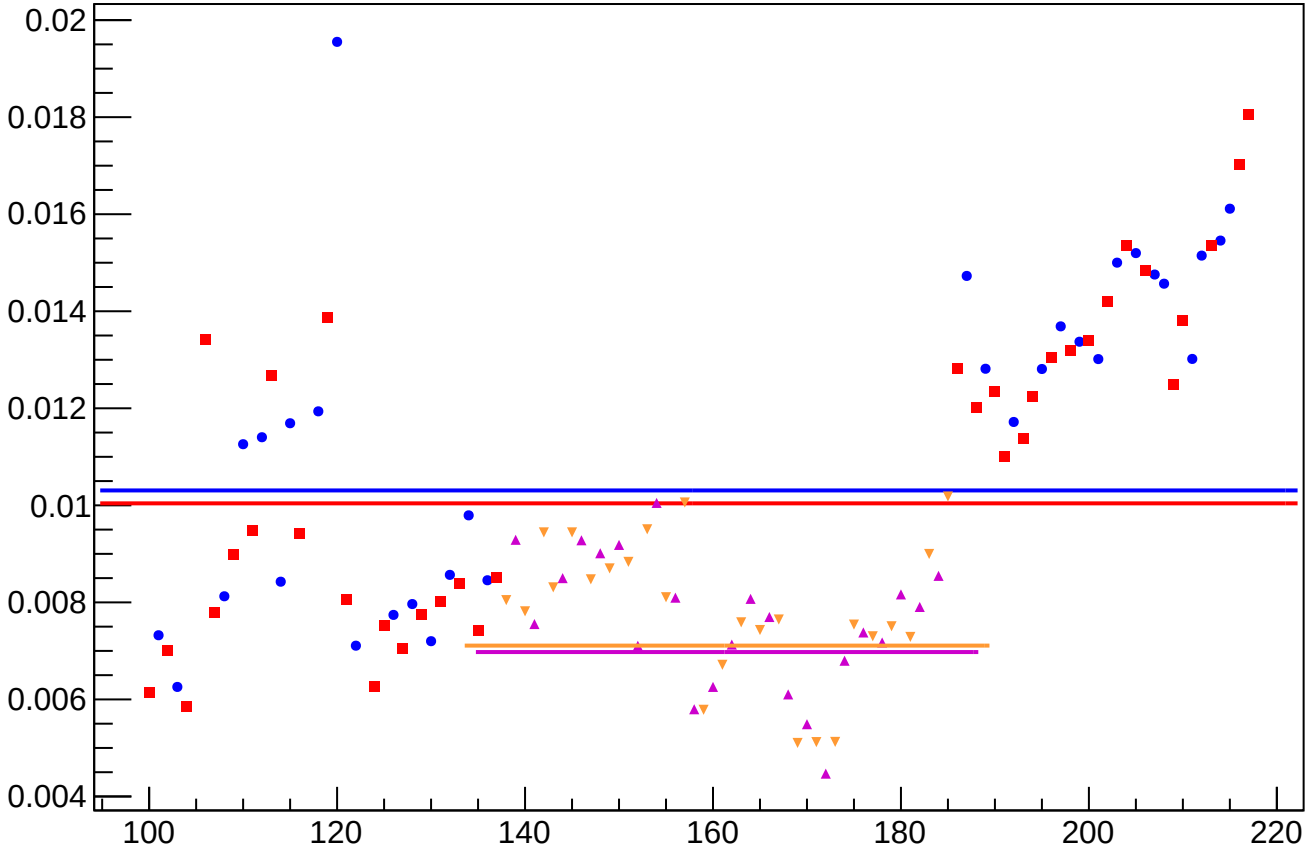
Right: 0.005+/-0.000 χ^2/NDF: 202409166132.0/66

In: 0.869+/-0.000 χ^2/NDF:298403715679.3/53

Out: 0.833+/-0.000 χ^2/NDF:336846196872.3/60

All: 0.851+/-0.000 χ^2/NDF: 635585201600.1

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: 3625106.3/35

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

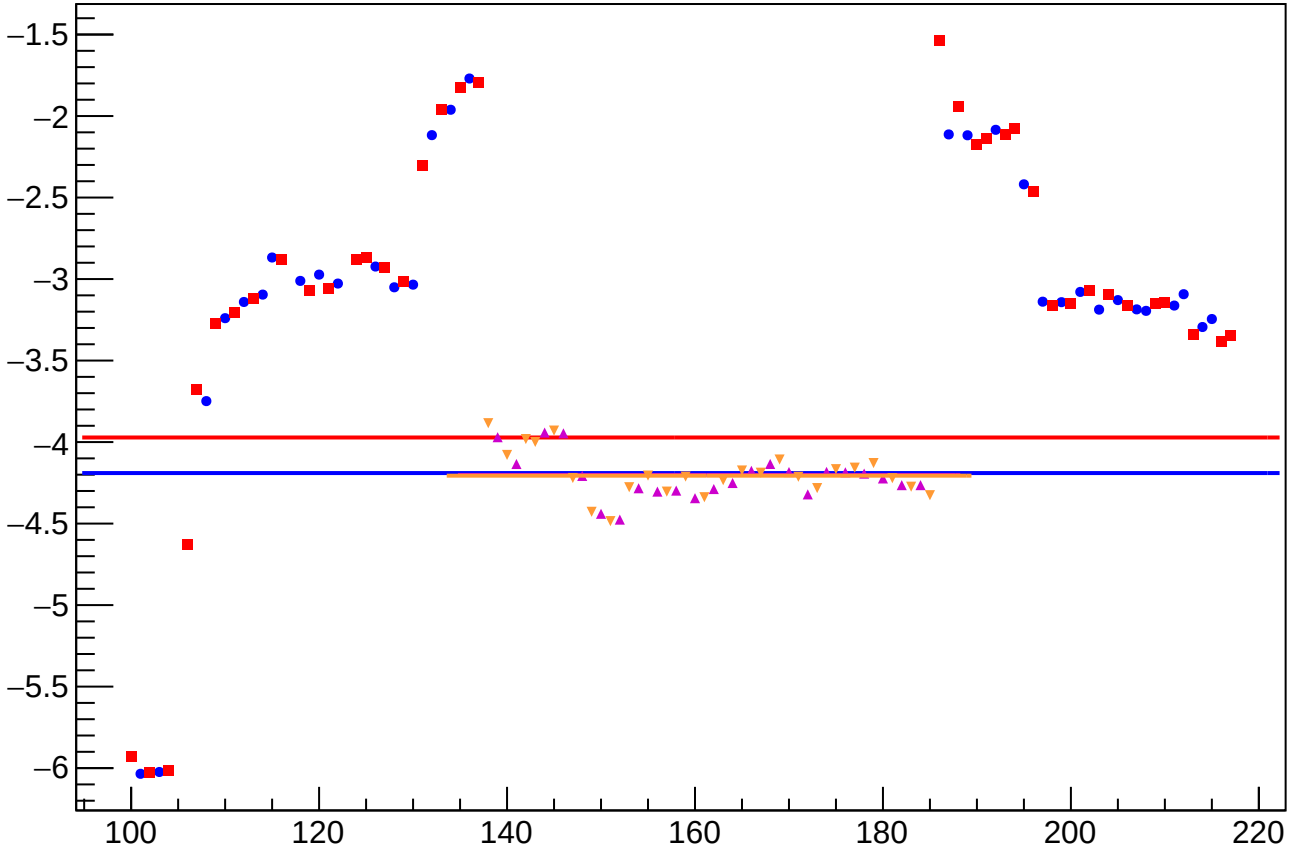
Right: 0.010+/-0.000 χ^2/NDF: 6905495.2/66

In: 0.008+/-0.000 χ^2/NDF:7068419.2/53

Out: 0.008+/-0.000 χ^2/NDF:7116760.9/60

All: 0.008+/-0.000 χ^2/NDF: 14188315.3/114

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.190+/-0.000 χ^2/NDF: 301970049267.0/30

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -3.972+/-0.000 χ^2/NDF: 308491709997.9/35

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

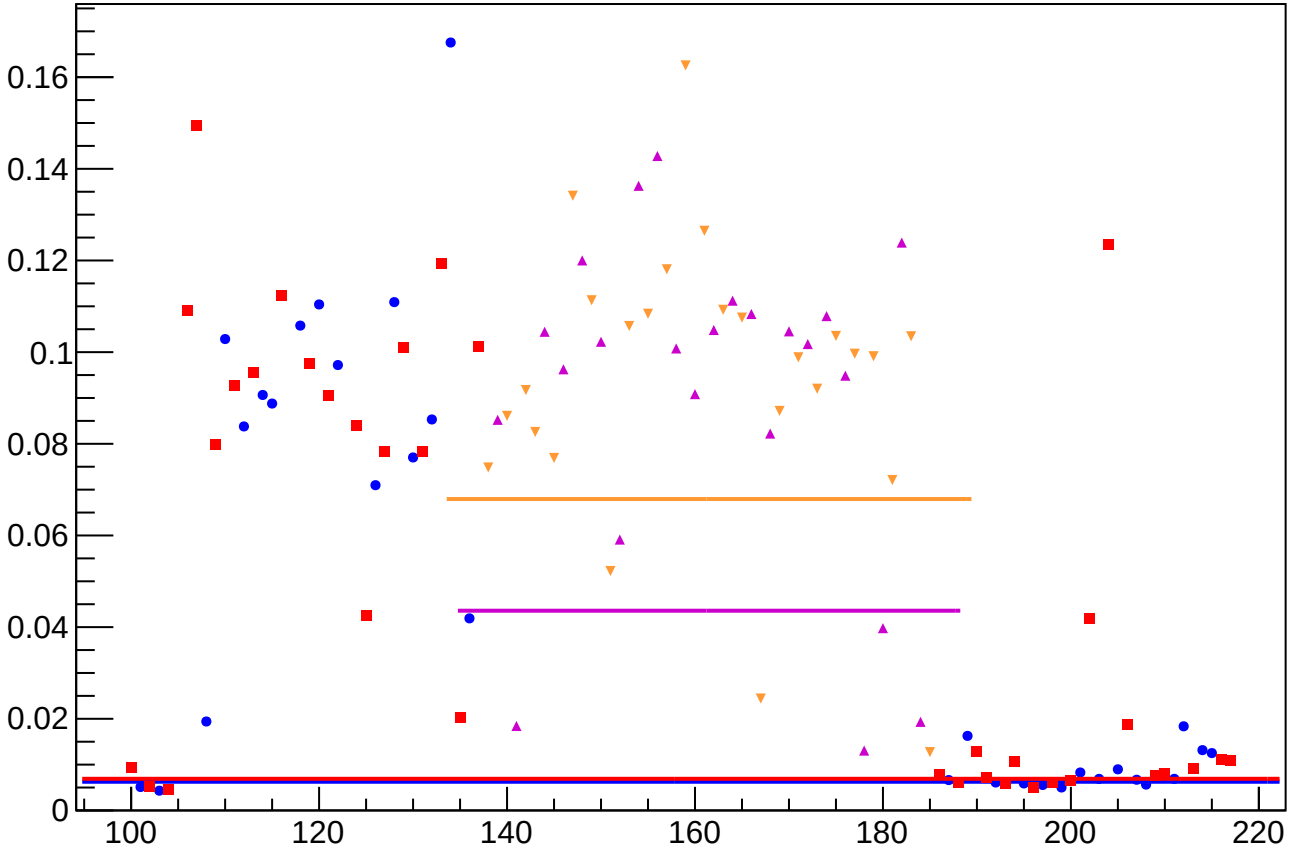
Right: -4.091+/-0.000 χ^2/NDF: 613126729460.4/66

In: -4.190+/-0.000 χ^2/NDF:302013332311.3/53

Out: -3.978+/-0.000 χ^2/NDF:308695550139.8/60

All: -4.094+/-0.000 χ^2/NDF: 613314079312.4

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: 10893008.1/35

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

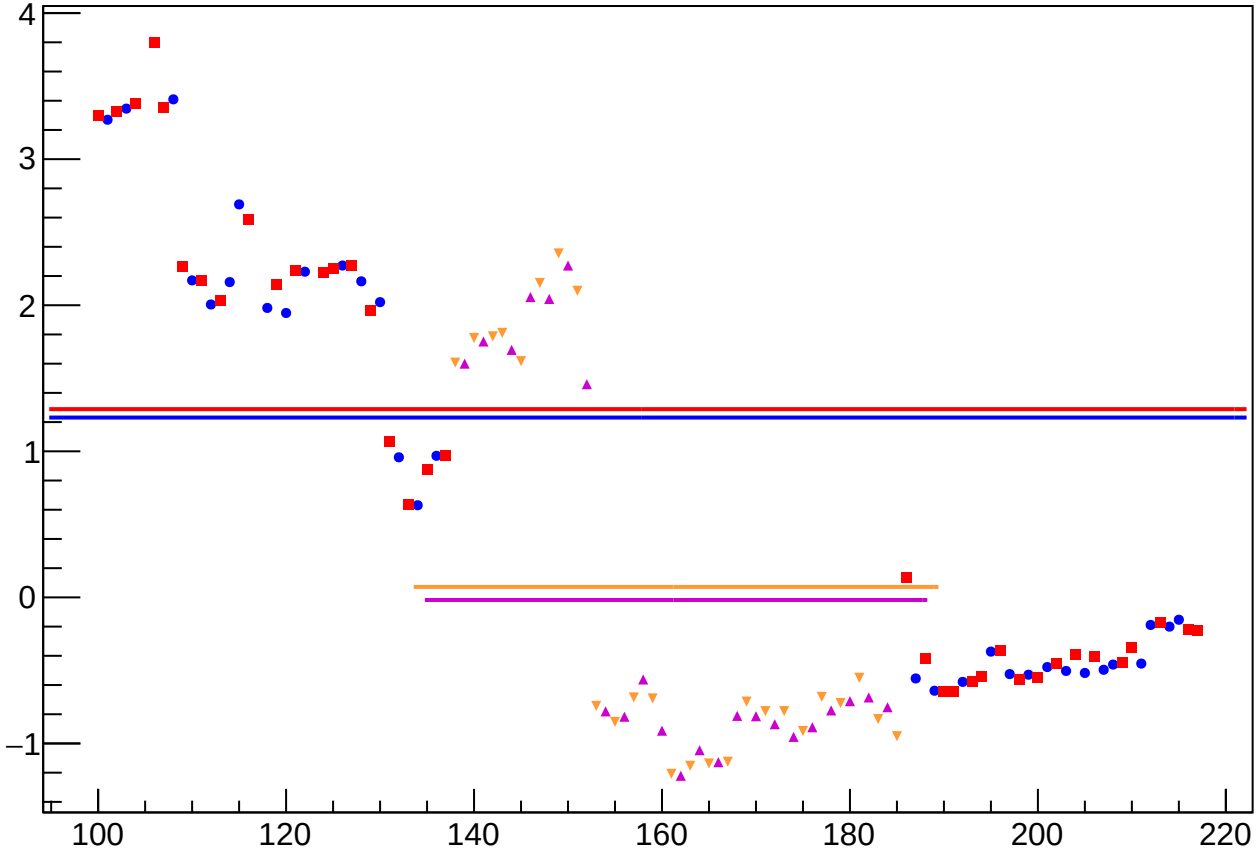
Right: 0.007+/-0.000 χ^2/NDF: 20289783.7/66

In: 0.007+/-0.000 χ^2/NDF:33141983.8/53

Out: 0.008+/-0.000 χ^2/NDF:37855129.3/60

All: 0.008+/-0.000 χ^2/NDF: 71109355.1/114

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: 1.289+/-0.000 χ^2/NDF: 220676164112.4/35

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

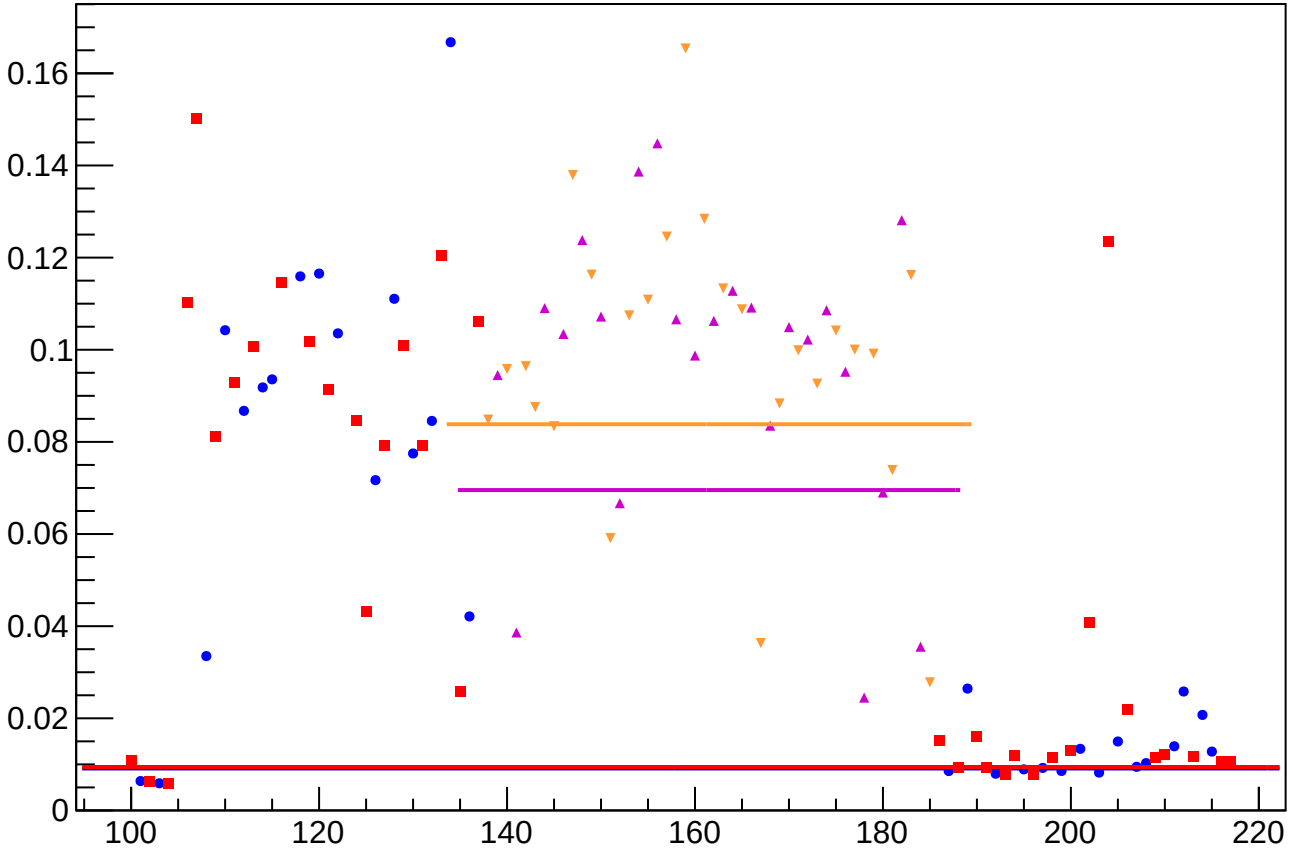
Right: 1.259+/-0.000 χ^2/NDF: 459309675778.5/66

In: 1.189+/-0.000 χ^2/NDF:245563636976.8/53

Out: 1.251+/-0.000 χ^2/NDF:227263878913.1/60

All: 1.219+/-0.000 χ^2/NDF: 472958225136.6

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: 10533770.5/35

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

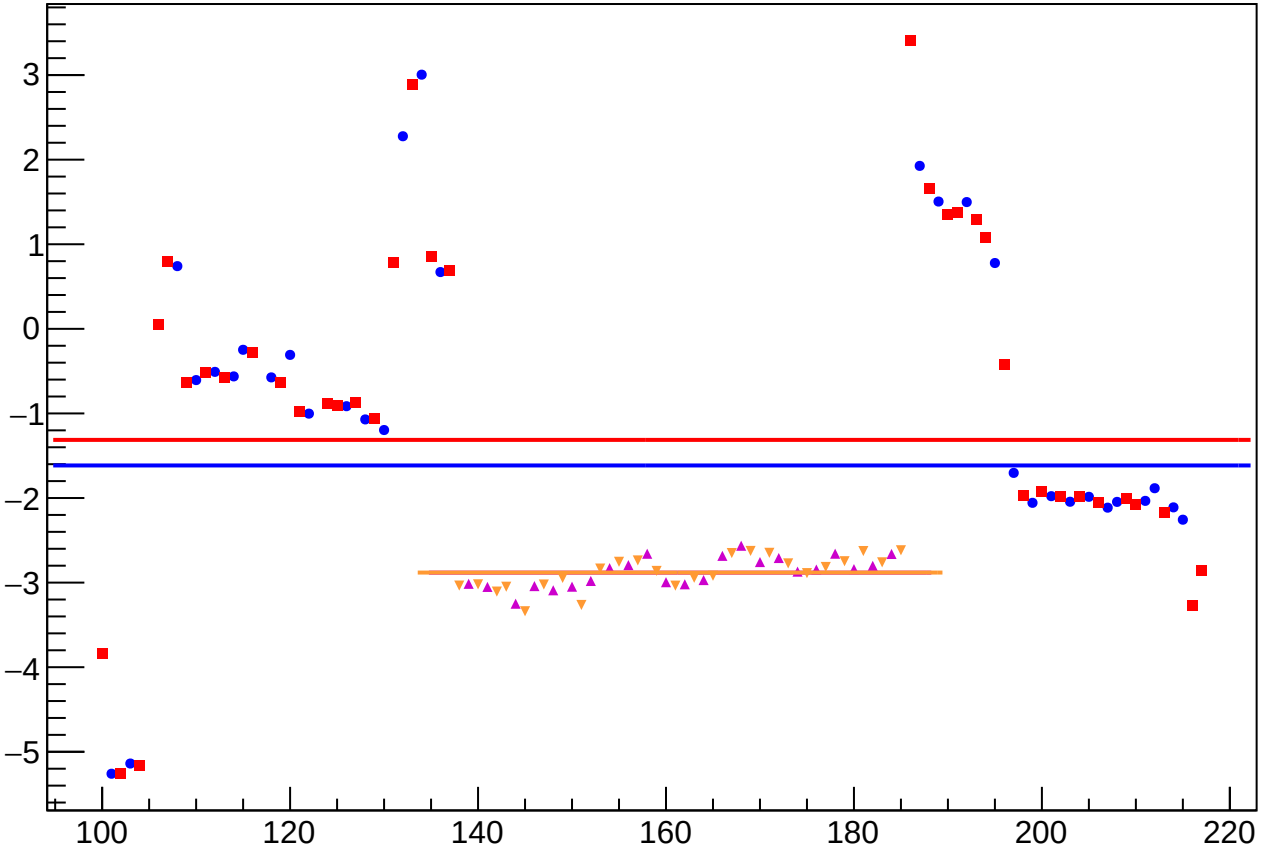
Right: 0.009+/-0.000 χ^2/NDF: 19848794.6/66

In: 0.011+/-0.000 χ^2/NDF:32783738.8/53

Out: 0.012+/-0.000 χ^2/NDF:36429473.8/60

All: 0.011+/-0.000 χ^2/NDF: 69237125.3/114

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: -1.313+/-0.000 χ^2/NDF: 245487080709.5/35

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

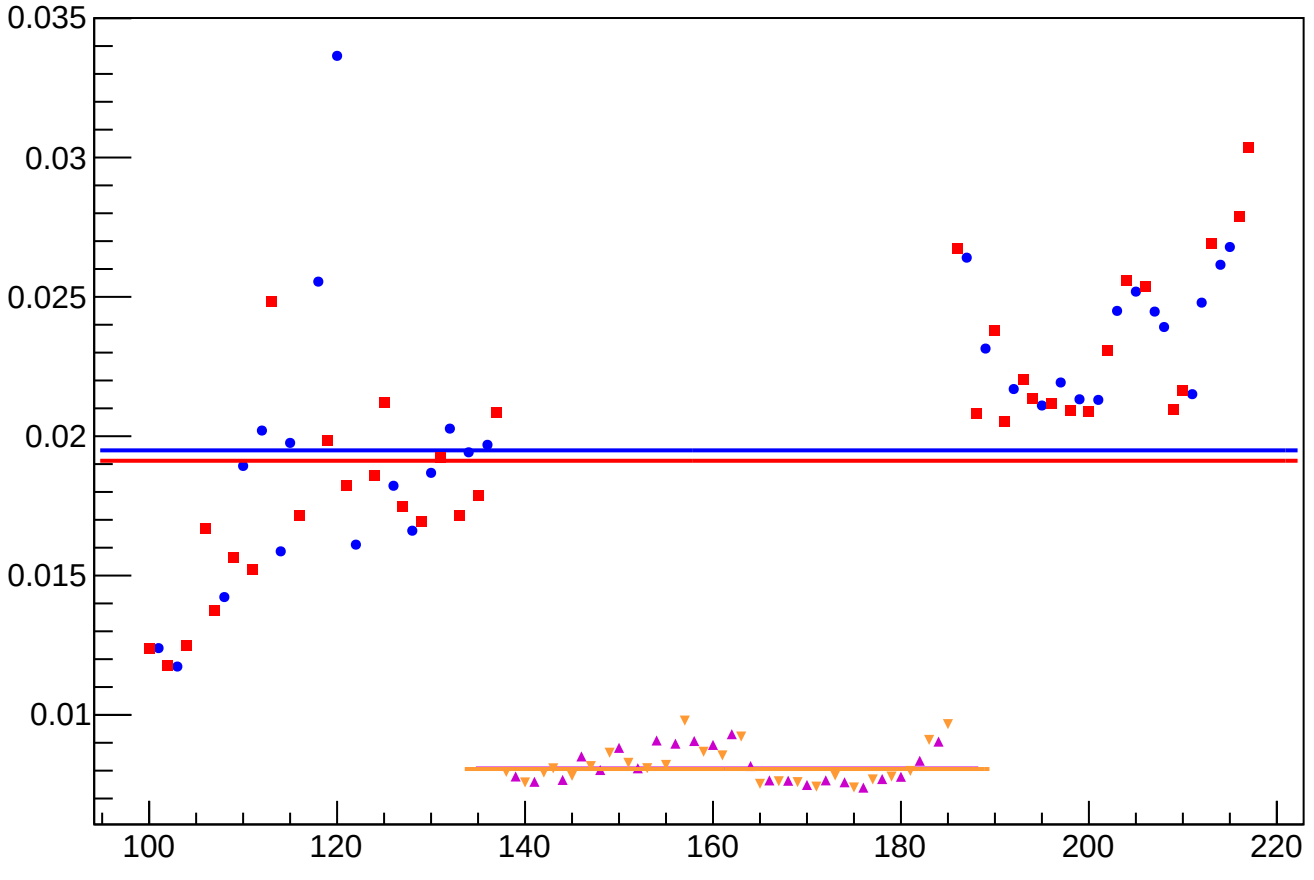
Right: -1.455+/-0.000 χ^2/NDF: 457857445265.1/66

In: -2.703+/-0.000 χ^2/NDF:279313591523.8/53

Out: -2.648+/-0.000 χ^2/NDF:360013237304.1/60

All: -2.675+/-0.000 χ^2/NDF: 639822043618.0

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: 2091877.6/35

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

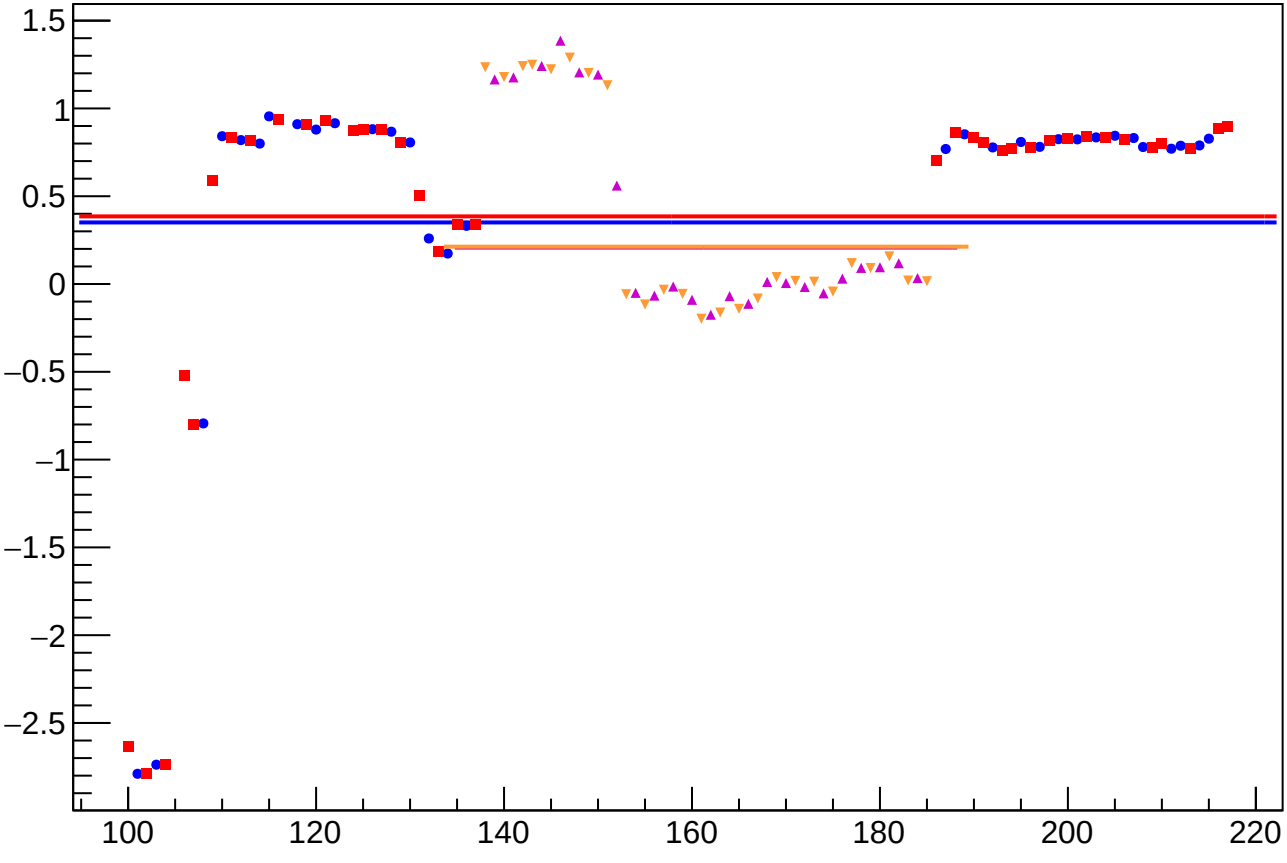
Right: 0.019+/-0.000 χ^2/NDF: 4104734.0/66

In: 0.010+/-0.000 χ^2/NDF:12048334.0/53

Out: 0.010+/-0.000 χ^2/NDF:12619812.8/60

All: 0.010+/-0.000 χ^2/NDF: 24668198.7/114

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: 0.385+/-0.000 χ^2/NDF: 1069202467091.5/35

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

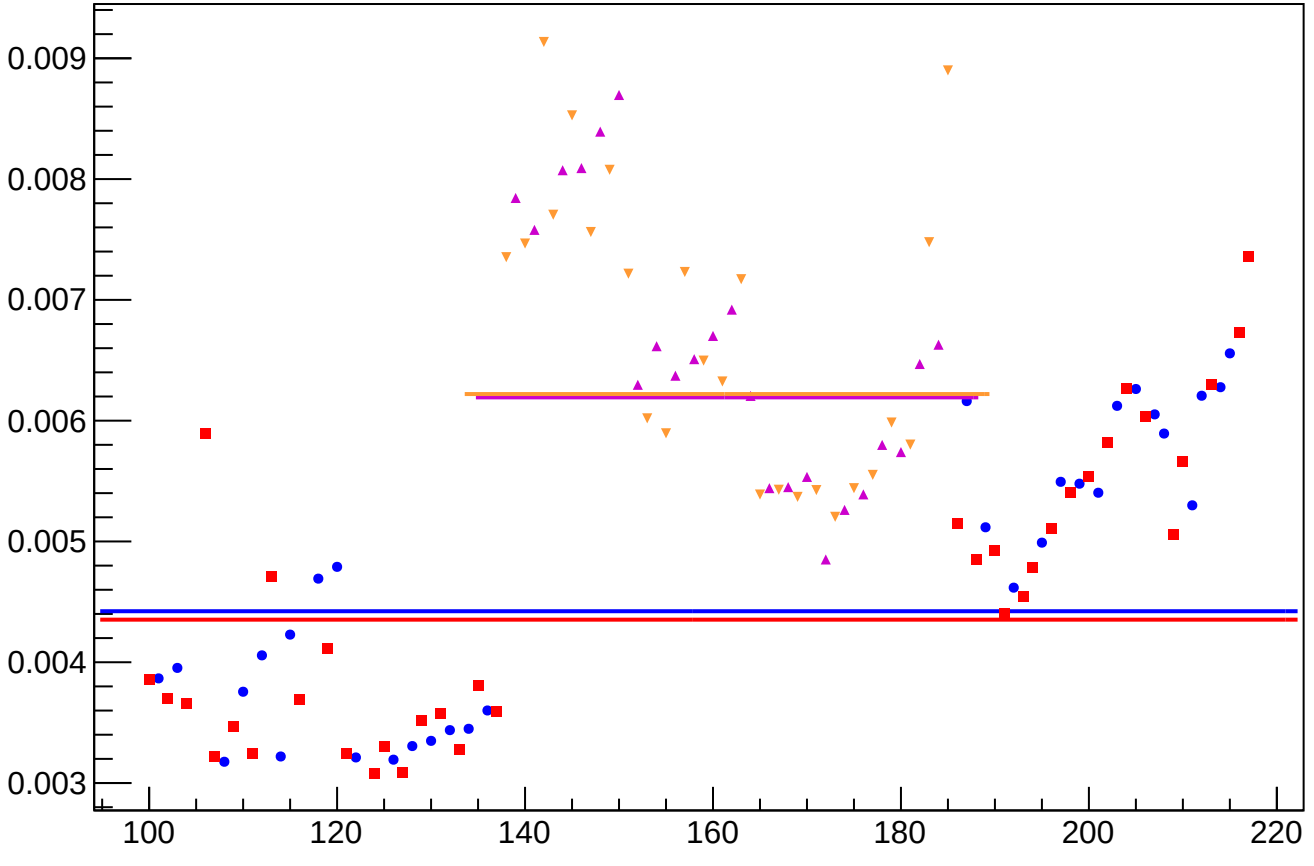
Right: 0.369+/-0.000 χ^2/NDF: 2051230847988.7/66

In: 0.305+/-0.000 χ^2/NDF:1074363412594.6/53

Out: 0.333+/-0.000 χ^2/NDF:1180922240603.6/60

All: 0.319+/-0.000 χ^2/NDF: 2255798138448.

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: 2354853.3/35

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

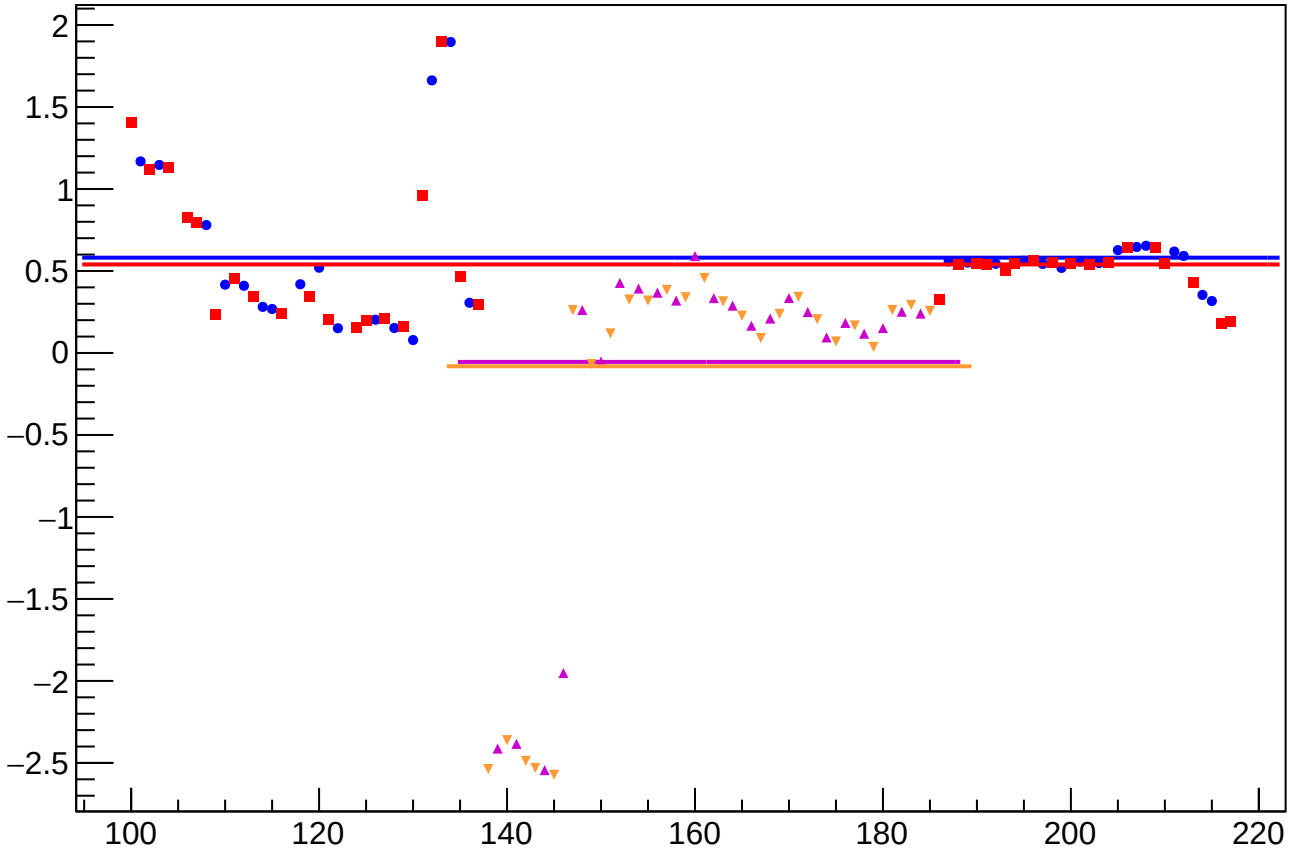
Right: 0.004+/-0.000 χ^2/NDF: 4520247.5/66

In: 0.005+/-0.000 χ^2/NDF:4743878.2/53

Out: 0.005+/-0.000 χ^2/NDF:5256842.8/60

All: 0.005+/-0.000 χ^2/NDF: 10006177.8/114

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: 0.540+/-0.000 χ^2/NDF: 62700871466.6/35

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

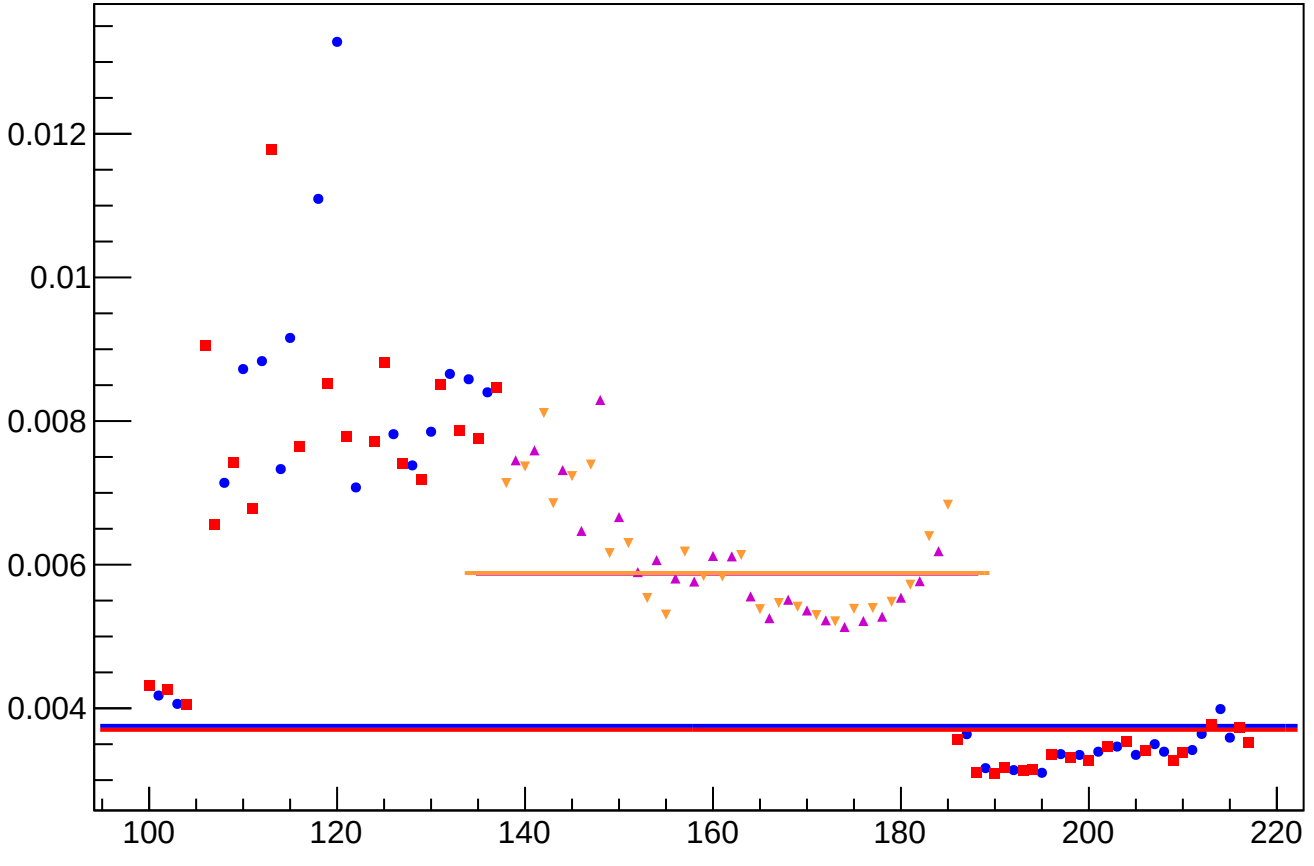
Right: 0.559+/-0.000 χ^2/NDF: 116454572851.7/66

In: 0.392+/-0.000 χ^2/NDF:537338731937.4/53

Out: 0.365+/-0.000 χ^2/NDF:591256870661.2/60

All: 0.378+/-0.000 χ^2/NDF: 1129228135006.

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: 3484157.4/35

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

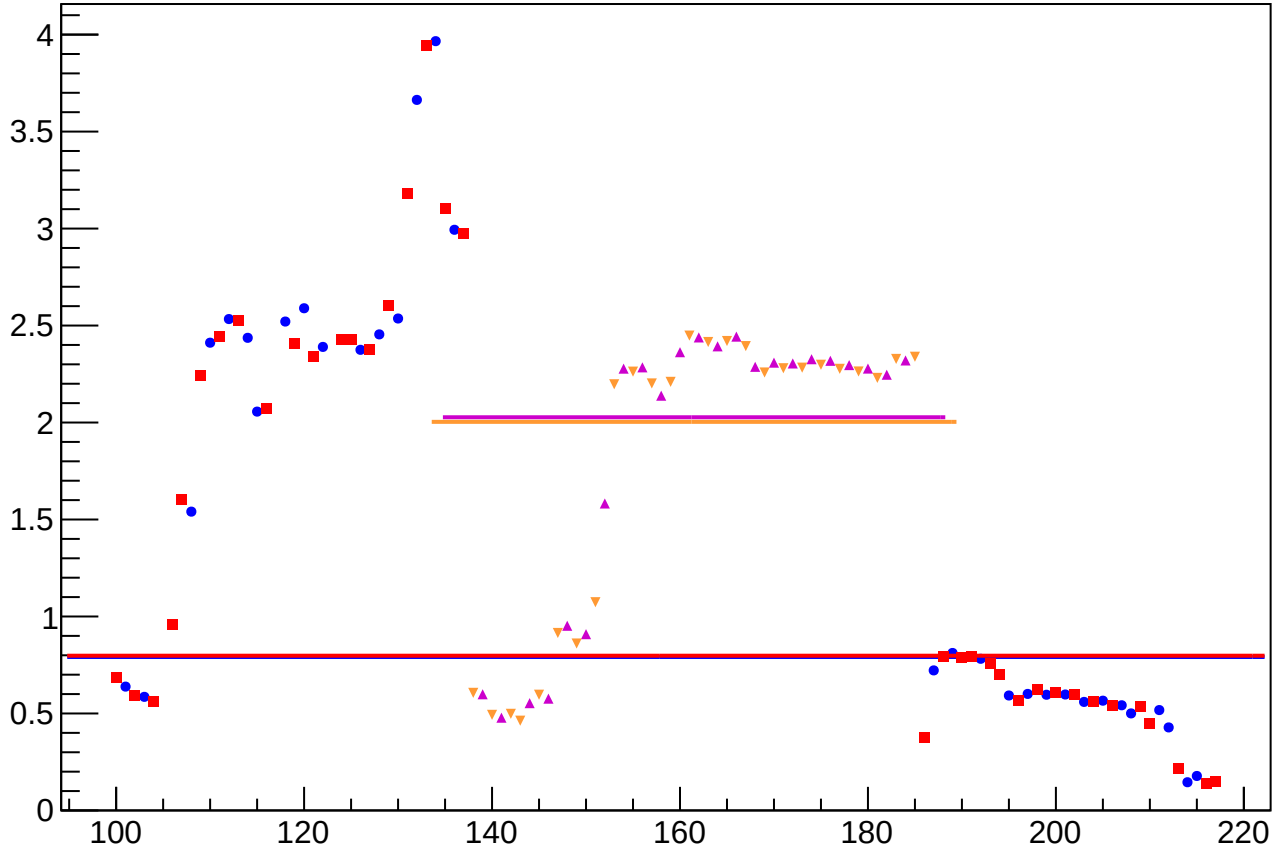
Right: 0.004+/-0.000 χ^2/NDF: 6983235.0/66

In: 0.004+/-0.000 χ^2/NDF:7075311.8/53

Out: 0.004+/-0.000 χ^2/NDF:7408828.1/60

All: 0.004+/-0.000 χ^2/NDF: 14492560.6/114

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: 0.798+/-0.000 χ^2/NDF: 309410755146.1/35

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

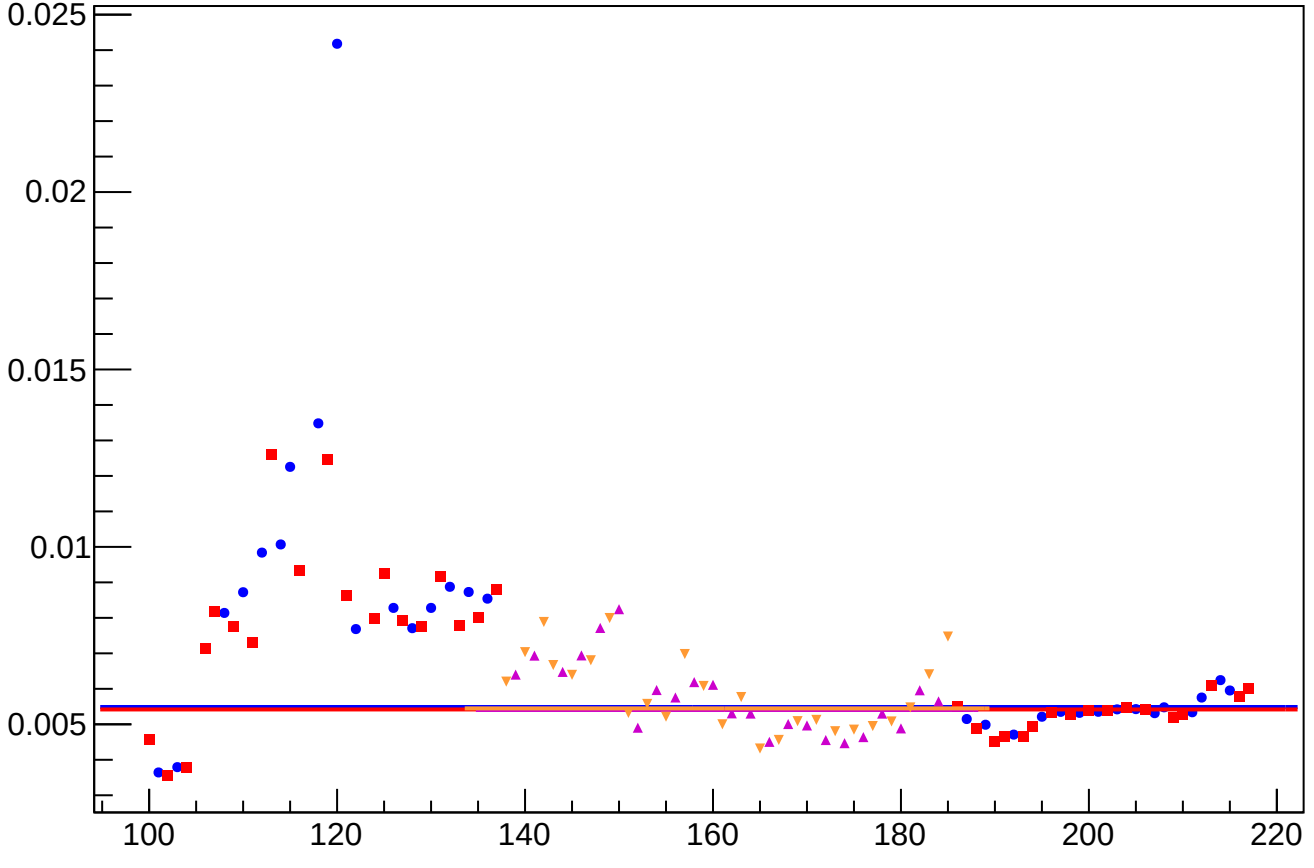
Right: 0.795+/-0.000 χ^2/NDF: 580379037702.2/66

In: 1.398+/-0.000 χ^2/NDF:878766239384.3/53

Out: 1.365+/-0.000 χ^2/NDF:952858199740.9/60

All: 1.381+/-0.000 χ^2/NDF: 1832208679476.

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: 2177806.3/35

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

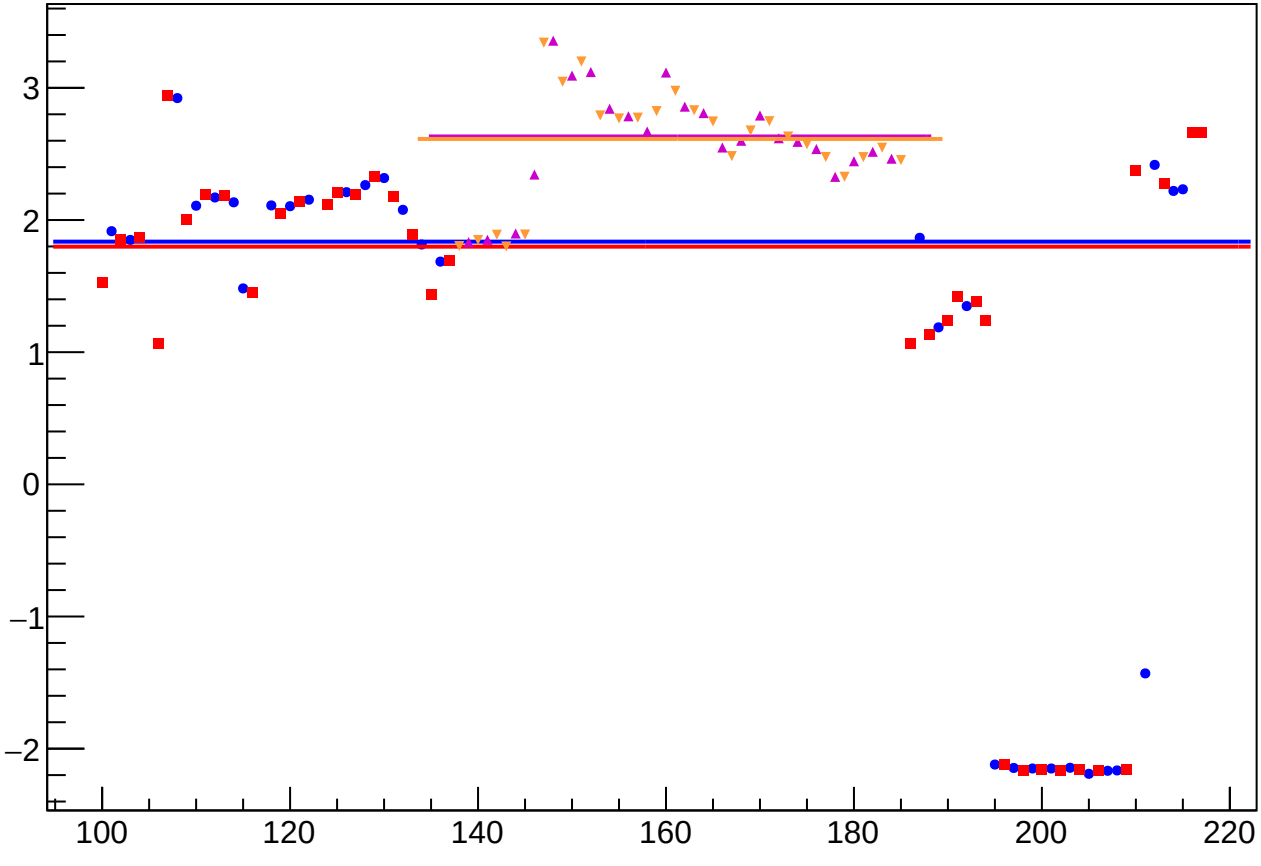
Right: 0.005+/-0.000 χ^2/NDF: 4534451.0/66

In: 0.005+/-0.000 χ^2/NDF:3172699.3/53

Out: 0.005+/-0.000 χ^2/NDF:2949765.2/60

All: 0.005+/-0.000 χ^2/NDF: 6122693.1/114

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: 1.799+/-0.000 χ^2/NDF: 173529338015.3/35

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

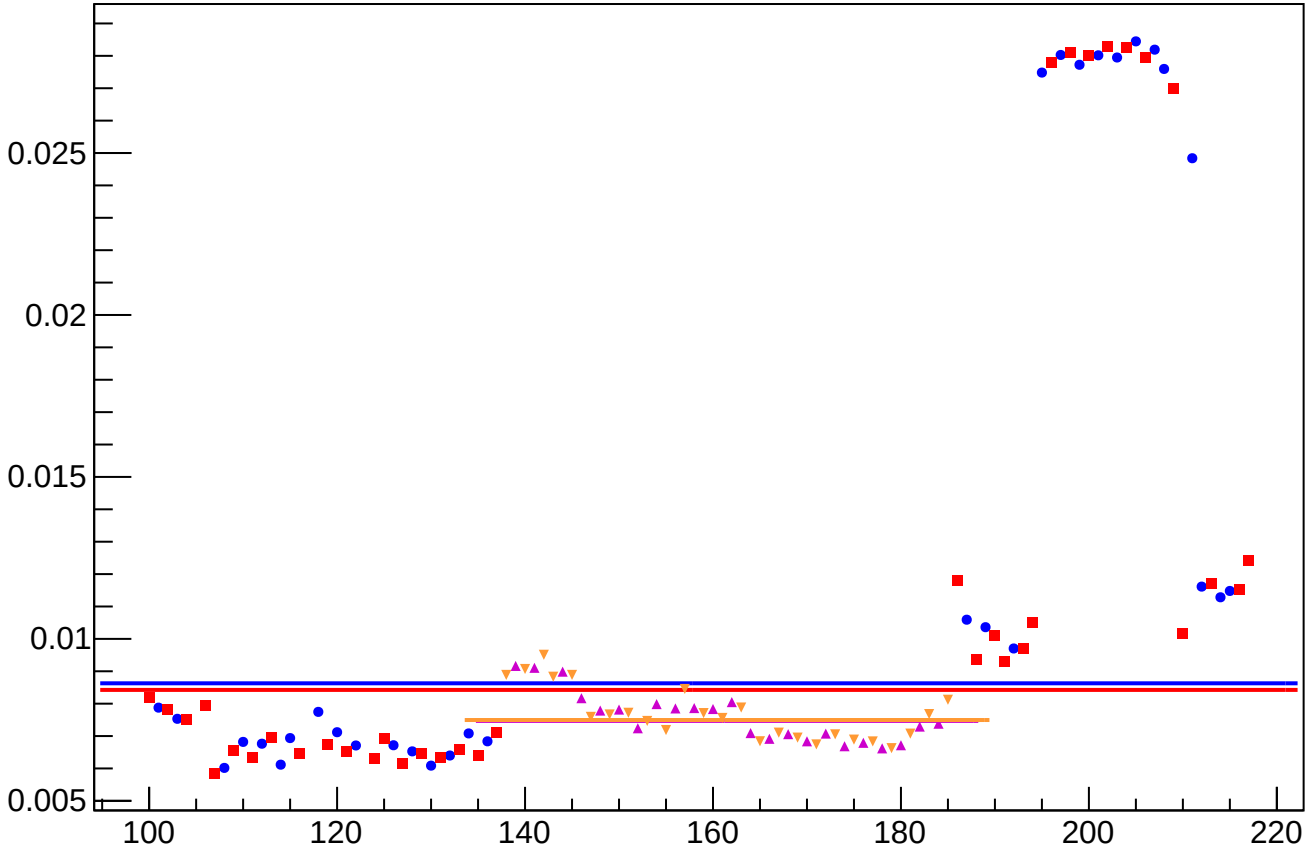
Right: 1.816+/-0.000 χ^2/NDF: 360013380064.1/66

In: 2.327+/-0.000 χ^2/NDF:302131817255.7/53

Out: 2.278+/-0.000 χ^2/NDF:308227442609.3/60

All: 2.302+/-0.000 χ^2/NDF: 611000237335.2

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: 7678858.2/35

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

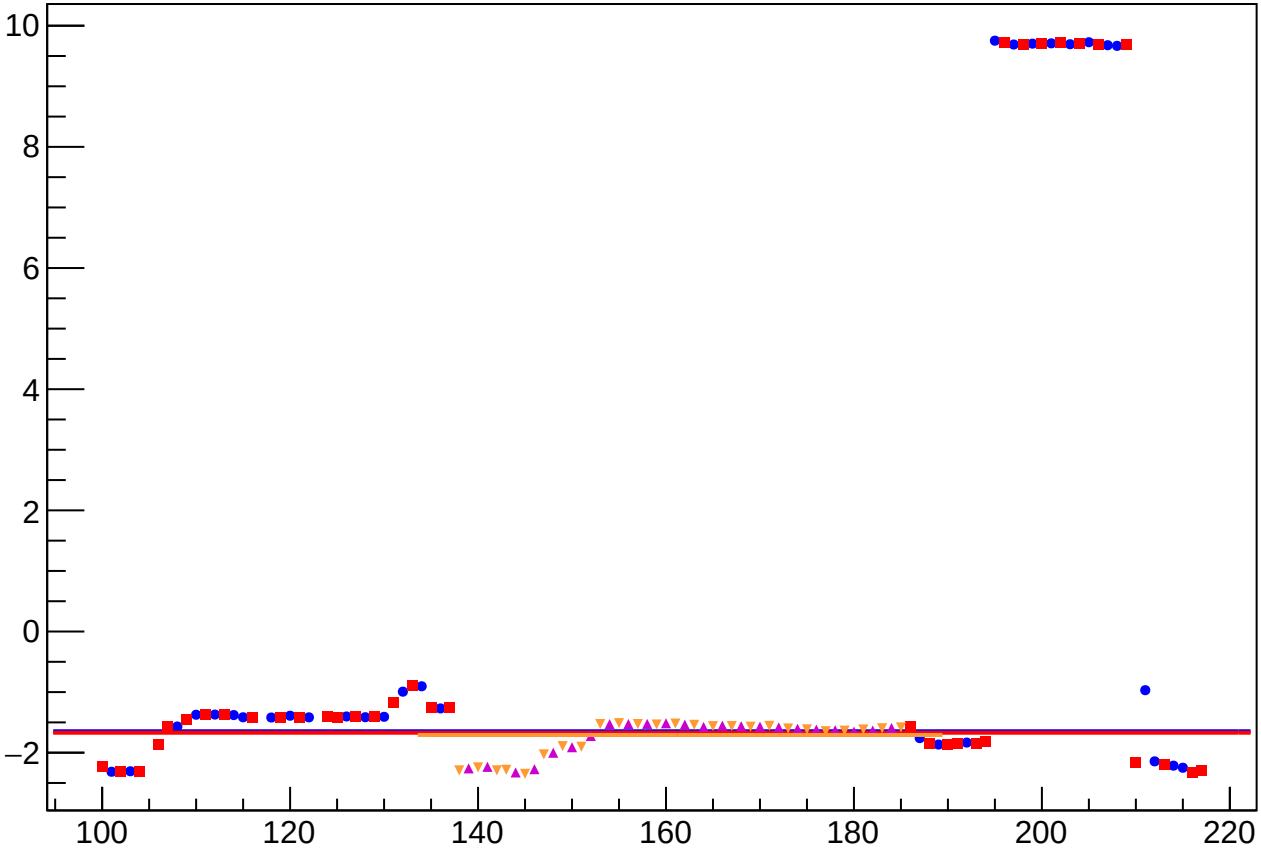
Right: 0.009+/-0.000 χ^2/NDF: 16338668.5/66

In: 0.008+/-0.000 χ^2/NDF:9293385.7/53

Out: 0.008+/-0.000 χ^2/NDF:8241276.9/60

All: 0.008+/-0.000 χ^2/NDF: 17535284.6/114

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: -1.670+/-0.000 χ^2/NDF: 464528920805.5/35

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

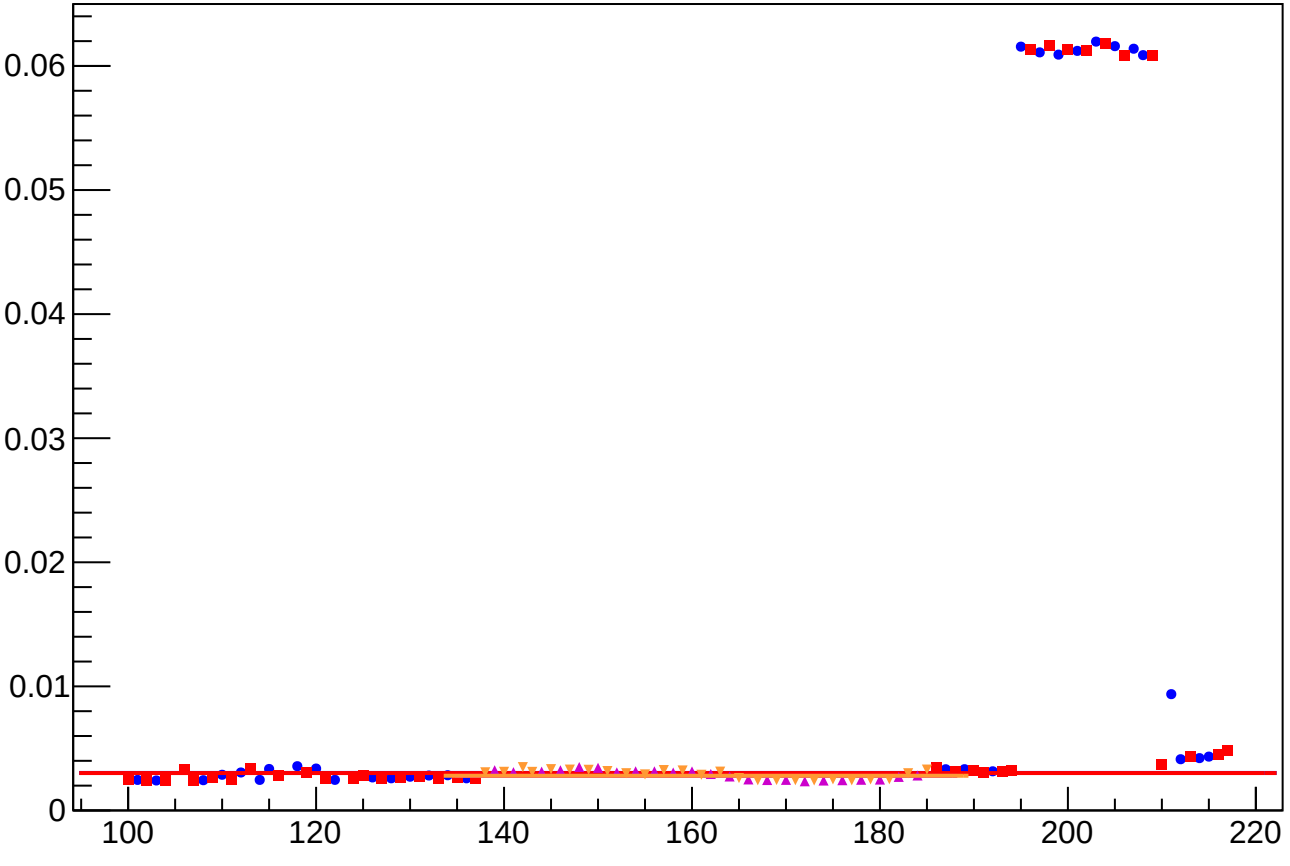
Right: -1.659+/-0.000 χ^2/NDF: 935761847344.2/66

In: -1.684+/-0.000 χ^2/NDF:610149321665.3/53

Out: -1.693+/-0.000 χ^2/NDF:617620416966.5/60

All: -1.689+/-0.000 χ^2/NDF: 1227910930020

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: 12155312.1/35

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

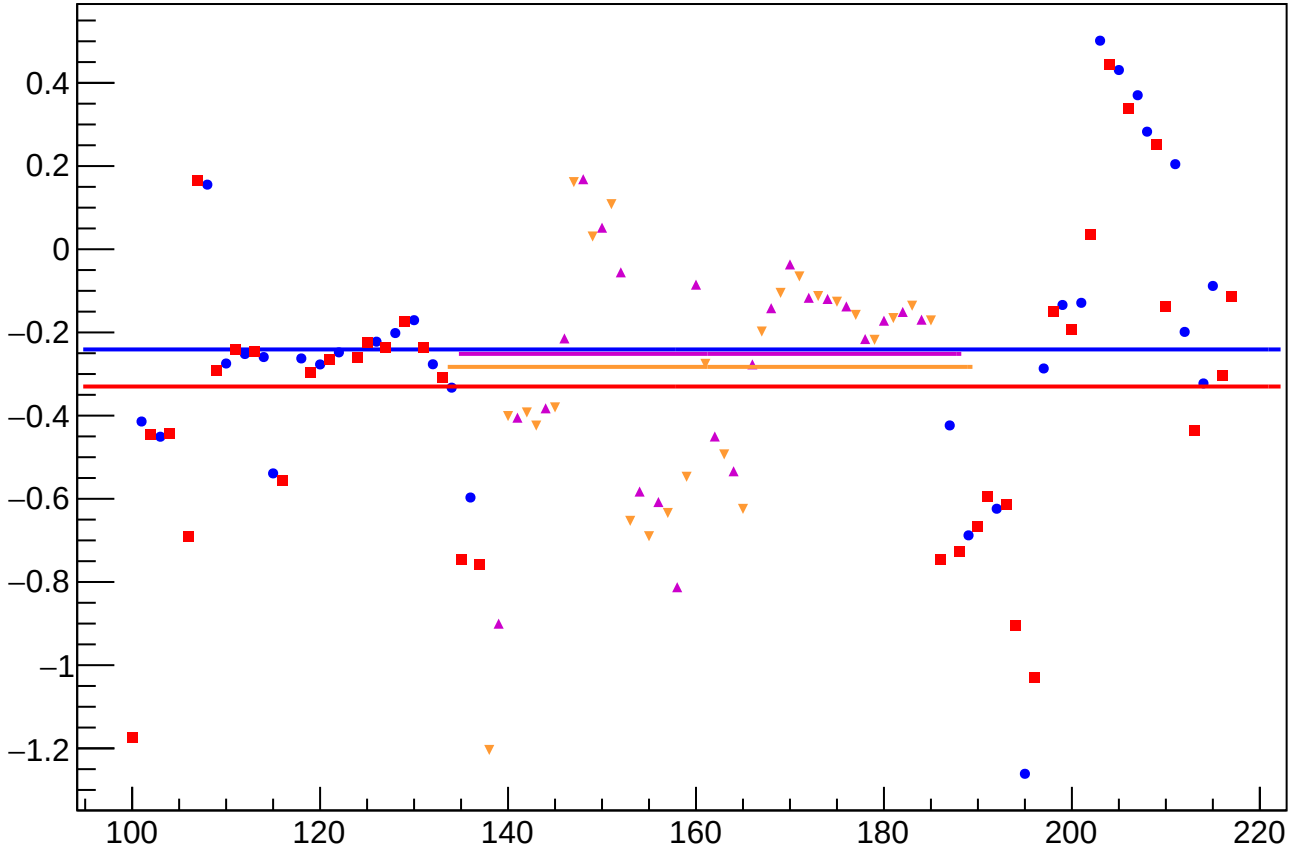
Right: 0.003+/-0.000 χ^2/NDF: 25617161.4/66

In: 0.003+/-0.000 χ^2/NDF:14109423.0/53

Out: 0.003+/-0.000 χ^2/NDF:12788701.5/60

All: 0.003+/-0.000 χ^2/NDF: 26898661.5/114

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: -0.330+/-0.000 χ^2/NDF: 9996967224.0/35

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

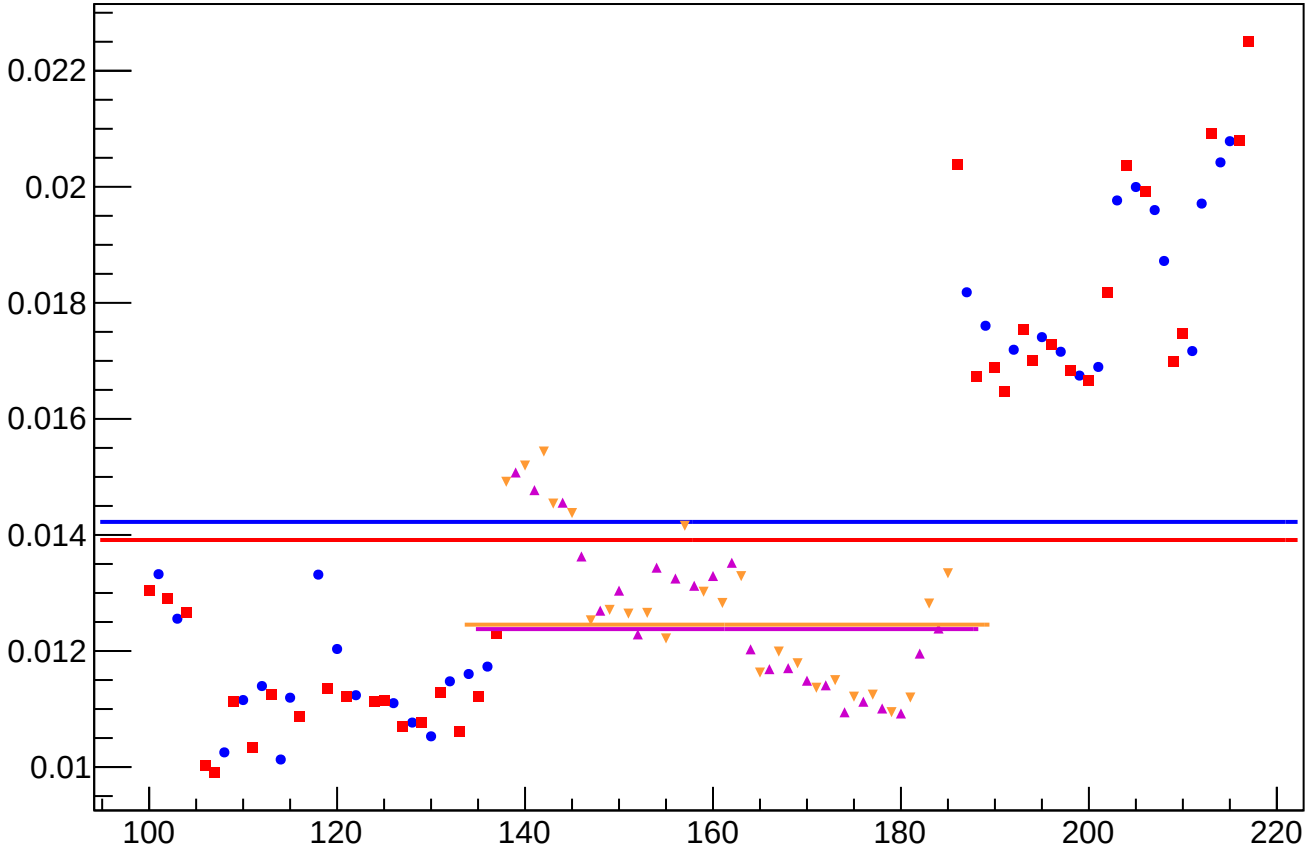
Right: -0.288+/-0.000 χ^2/NDF: 20131742242.0/66

In: -0.247+/-0.000 χ^2/NDF:16944438309.7/53

Out: -0.304+/-0.000 χ^2/NDF:19458836972.1/60

All: -0.277+/-0.000 χ^2/NDF: 36741535594.1/

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: 2541912.6/35

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

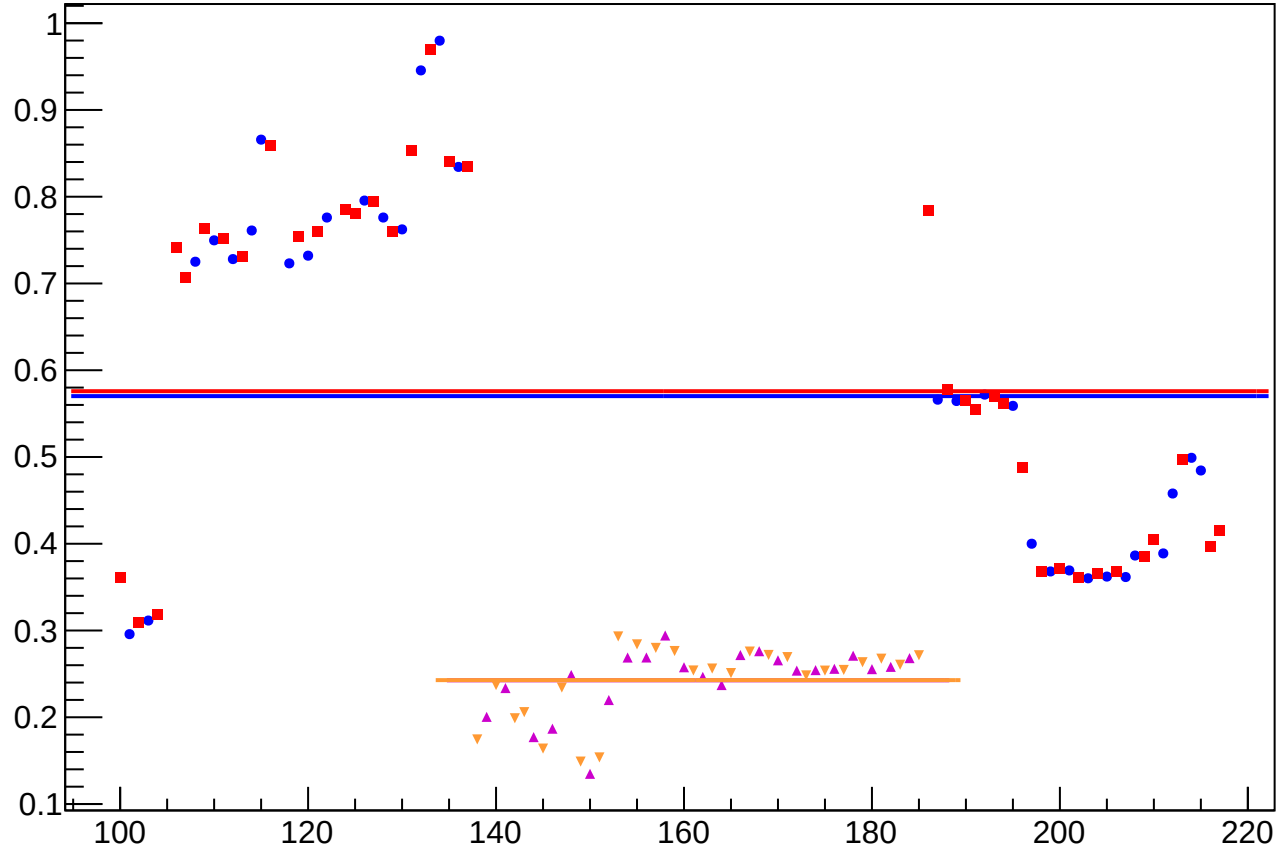
Right: 0.014+/-0.000 χ^2/NDF: 4689233.3/66

In: 0.013+/-0.000 χ^2/NDF:2800094.2/53

Out: 0.013+/-0.000 χ^2/NDF:3109298.3/60

All: 0.013+/-0.000 χ^2/NDF: 5910323.0/114

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: 0.576+/-0.000 χ^2/NDF: 96740587872.4/35

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

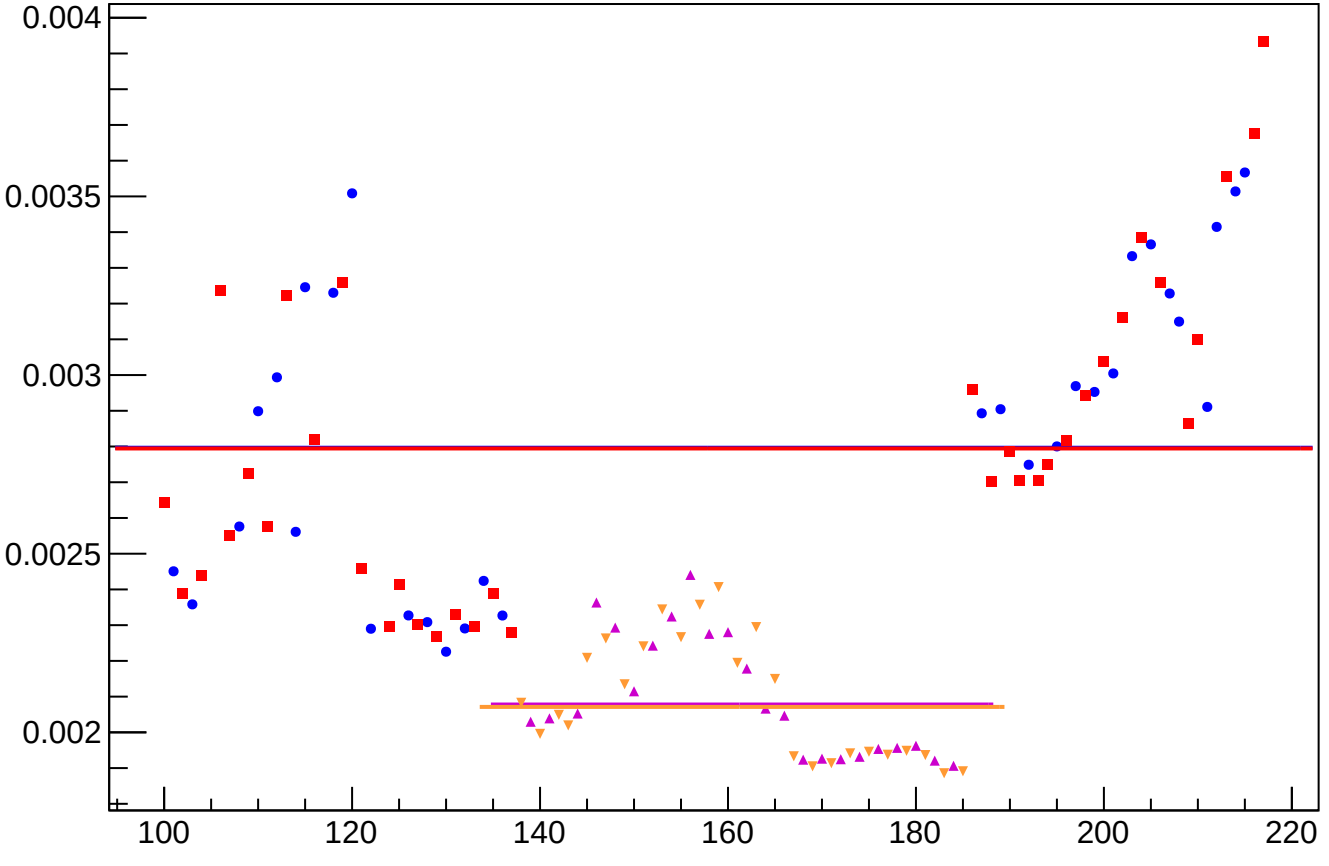
Right: 0.573+/-0.000 χ^2/NDF: 195700039038.3/66

In: 0.360+/-0.000 χ^2/NDF:265552464092.4/53

Out: 0.363+/-0.000 χ^2/NDF:281619659329.1/60

All: 0.361+/-0.000 χ^2/NDF: 547199800901.3

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: 829676.3/35

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

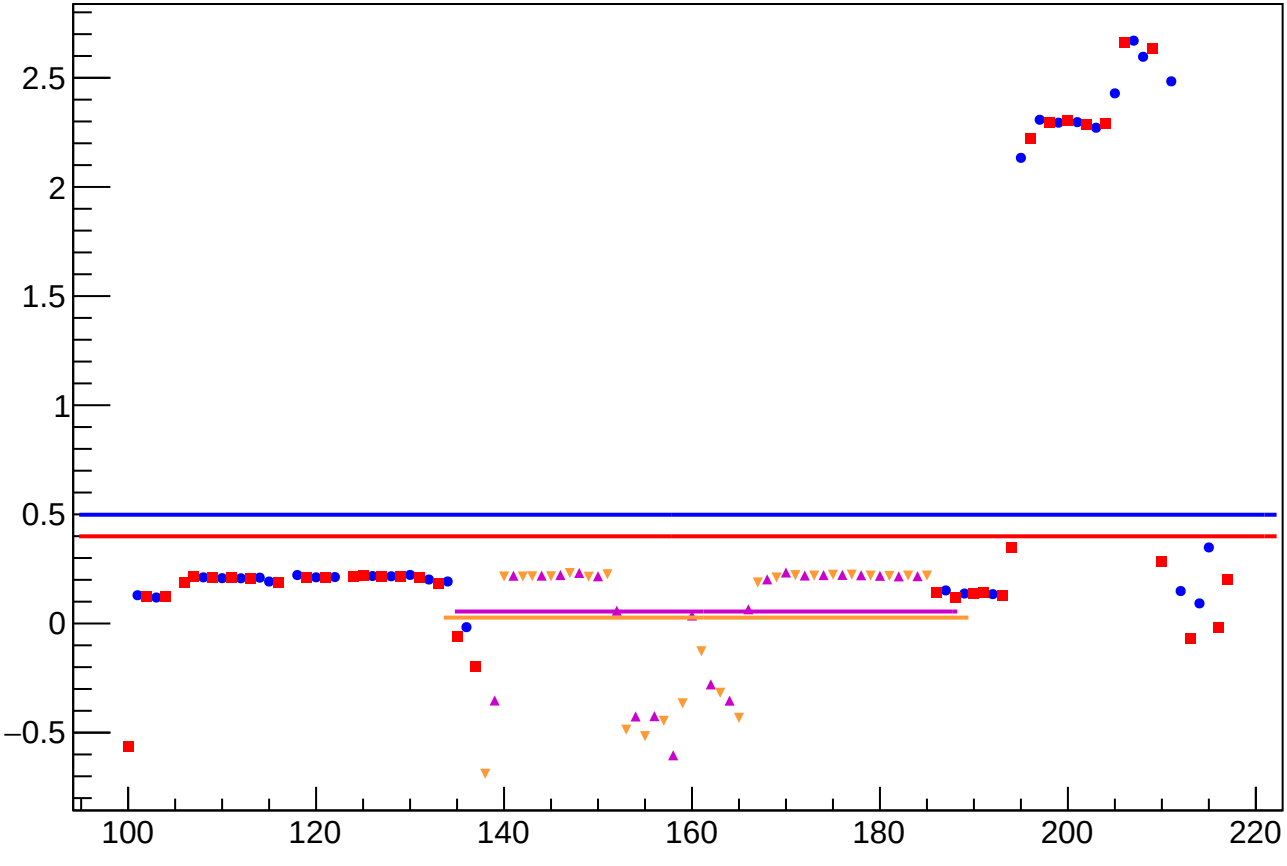
Right: 0.003+/-0.000 χ^2/NDF: 1647670.1/66

In: 0.002+/-0.000 χ^2/NDF:2578161.1/53

Out: 0.002+/-0.000 χ^2/NDF:2738960.9/60

All: 0.002+/-0.000 χ^2/NDF: 5317204.2/114

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: 0.399+/-0.000 χ^2/NDF: 55220795495.1/35

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

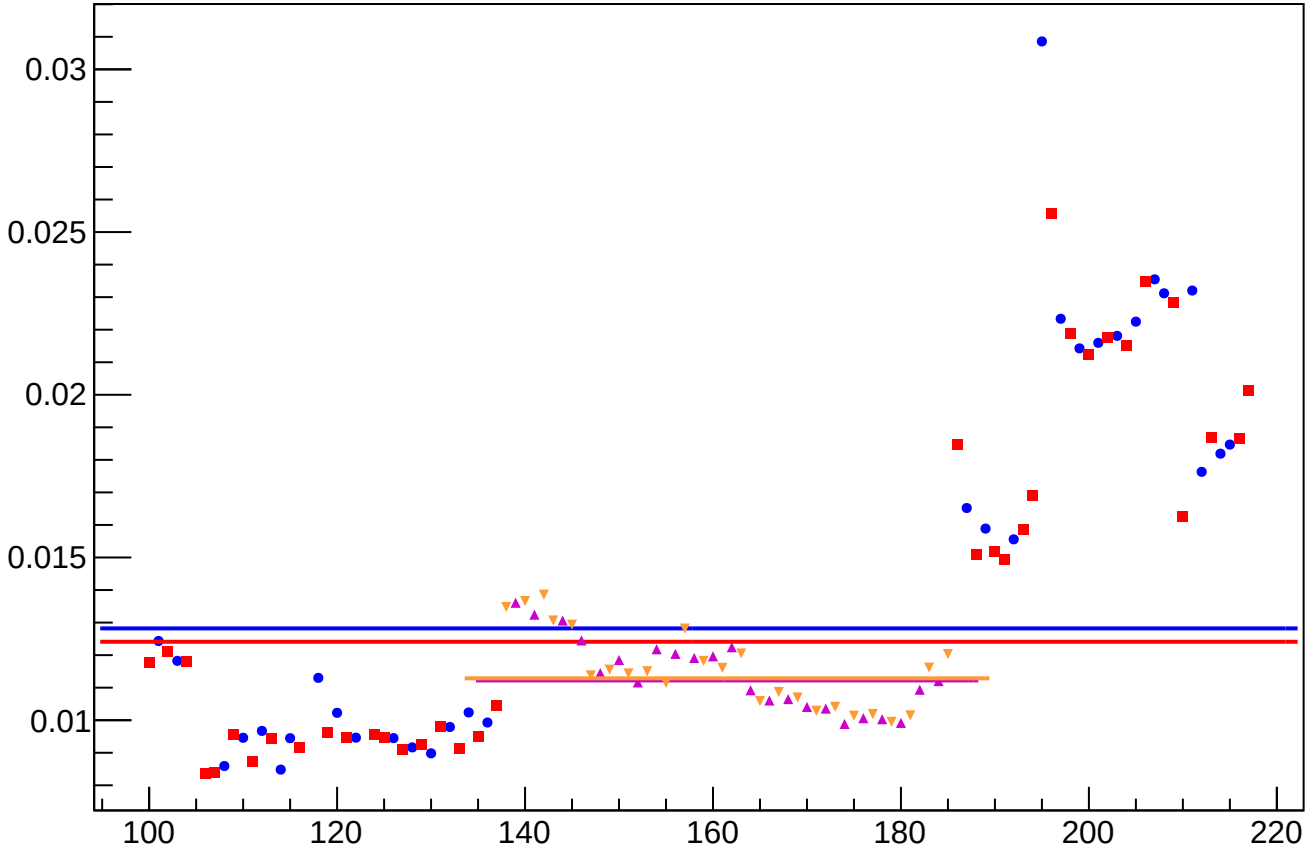
Right: 0.445+/-0.000 χ^2/NDF: 117510464414.7/66

In: 0.240+/-0.000 χ^2/NDF:82798913759.3/53

Out: 0.192+/-0.000 χ^2/NDF:77017224657.0/60

All: 0.215+/-0.000 χ^2/NDF: 160105172804.6

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: 4939538.6/35

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

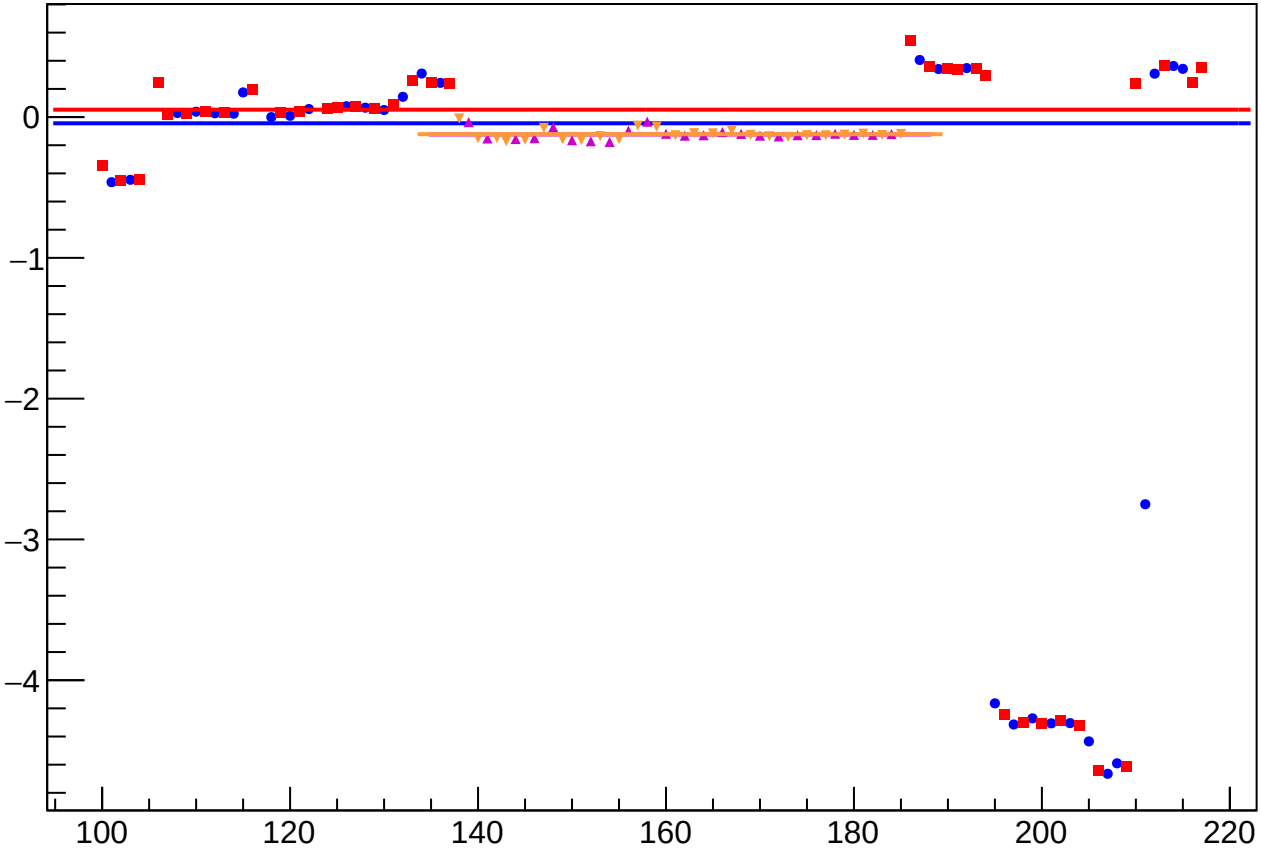
Right: 0.013+/-0.000 χ^2/NDF: 9942314.1/66

In: 0.012+/-0.000 χ^2/NDF:5594356.4/53

Out: 0.012+/-0.000 χ^2/NDF:5428483.8/60

All: 0.012+/-0.000 χ^2/NDF: 11025663.6/114

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: 0.053+/-0.000 χ^2/NDF: 403308953032.6/35

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

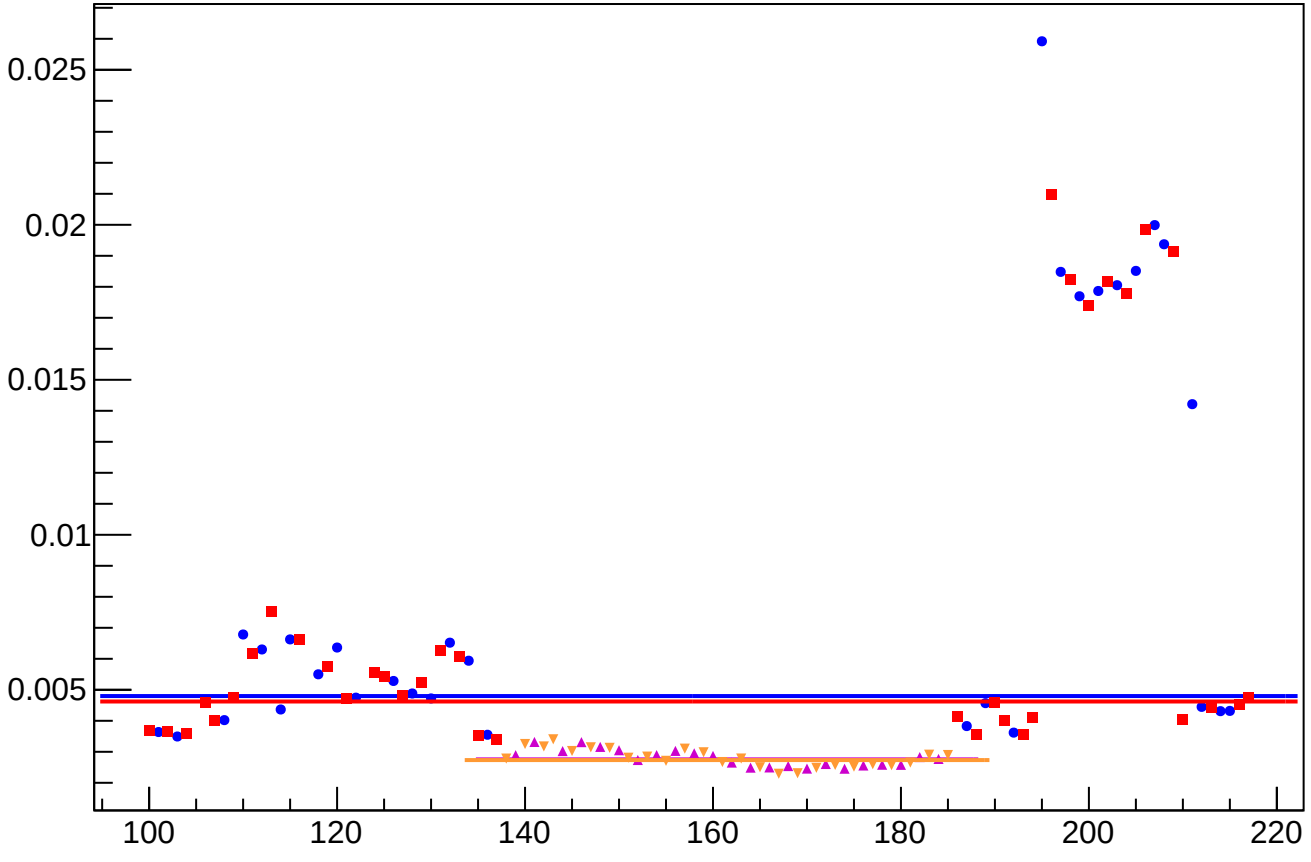
Right: 0.009+/-0.000 χ^2/NDF: 843596670304.8/66

In: -0.108+/-0.000 χ^2/NDF:443023574357.3/53

Out: -0.082+/-0.000 χ^2/NDF:423052829990.2/60

All: -0.094+/-0.000 χ^2/NDF: 867022230039.1

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: 8011069.2/35

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

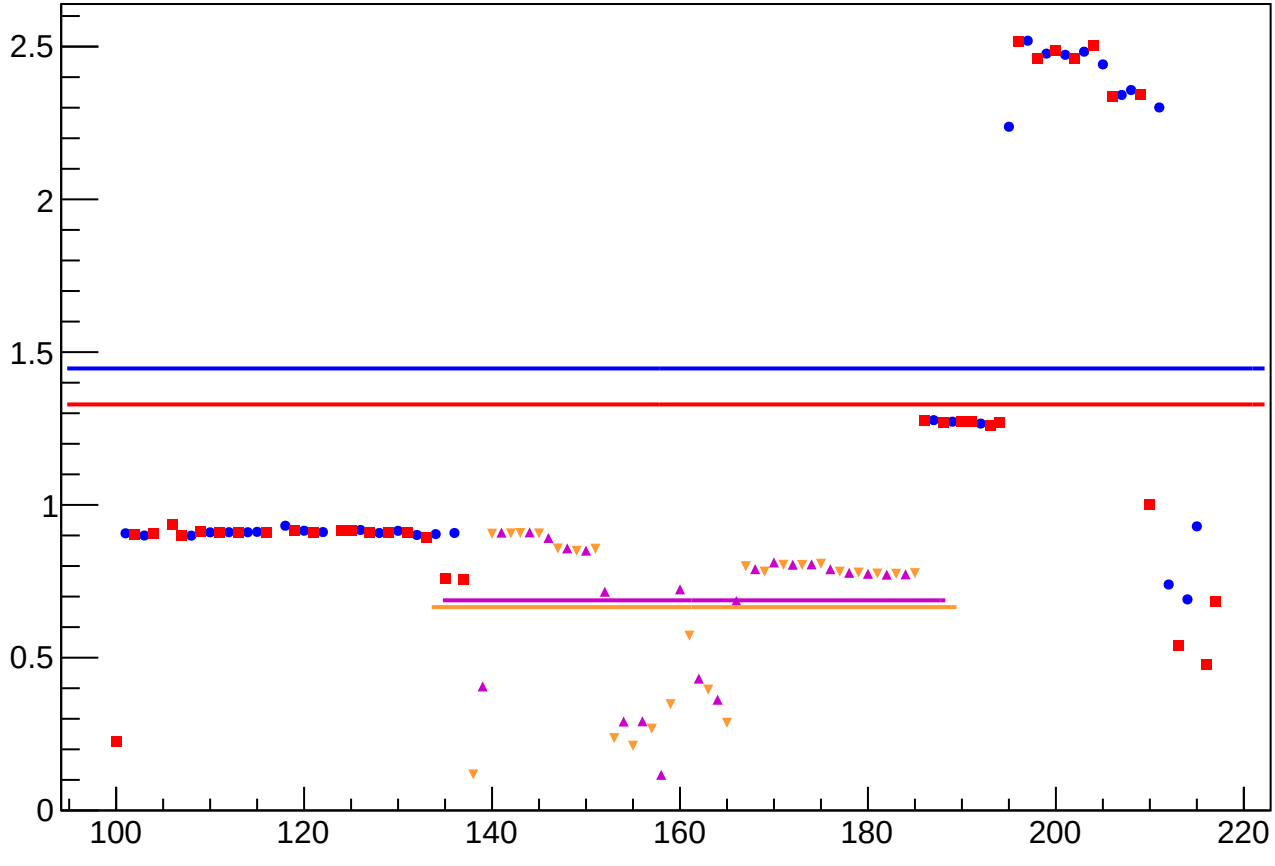
Right: 0.005+/-0.000 χ^2/NDF: 17377682.9/66

In: 0.003+/-0.000 χ^2/NDF:13502876.8/53

Out: 0.003+/-0.000 χ^2/NDF:12358356.1/60

All: 0.003+/-0.000 χ^2/NDF: 25861615.4/114

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: 1.329+/-0.000 χ^2/NDF: 56313108273.8/35

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

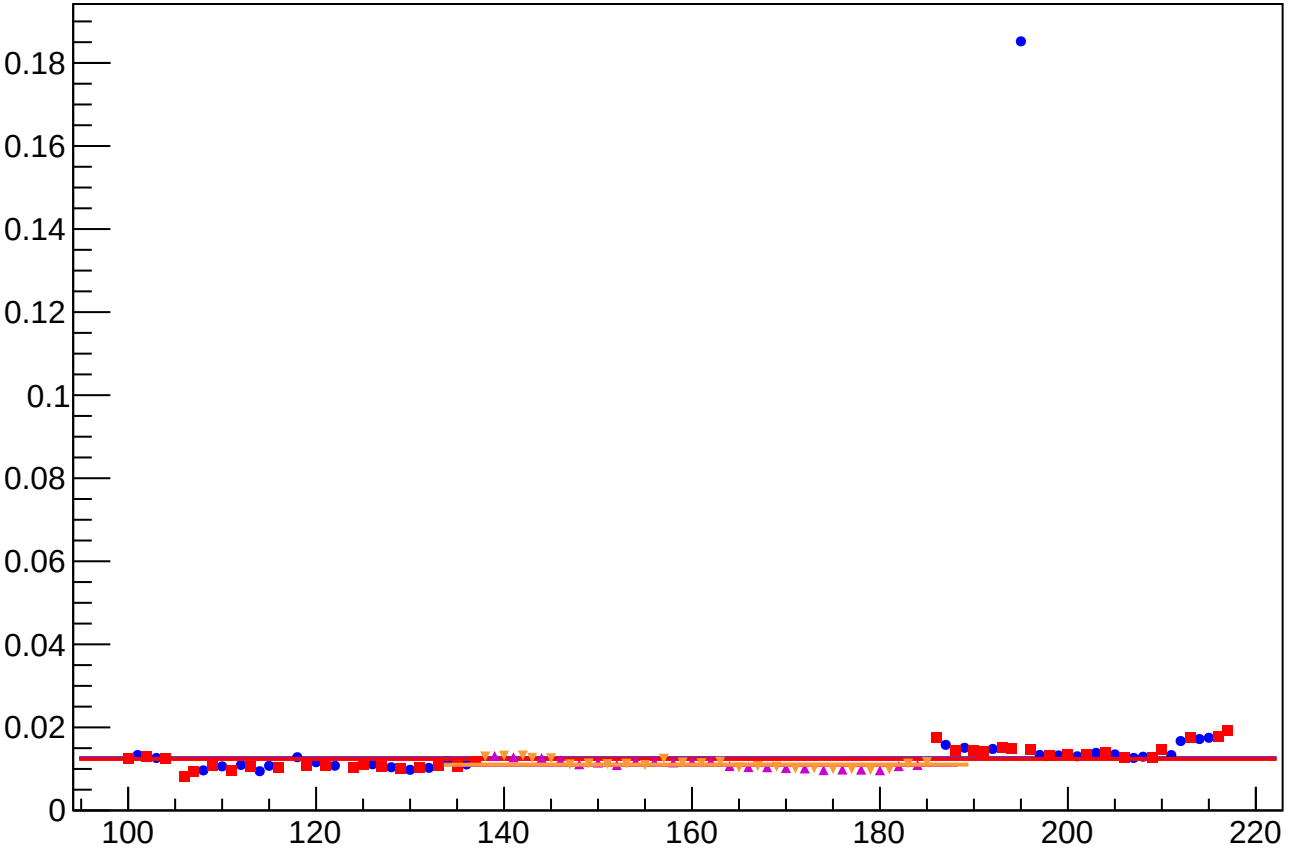
Right: 1.385+/-0.000 χ^2/NDF: 113901538420.0/66

In: 1.016+/-0.000 χ^2/NDF:99901438493.9/53

Out: 0.961+/-0.000 χ^2/NDF:95236058300.4/60

All: 0.988+/-0.000 χ^2/NDF: 195526358676.1

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: 1364877.2/35

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

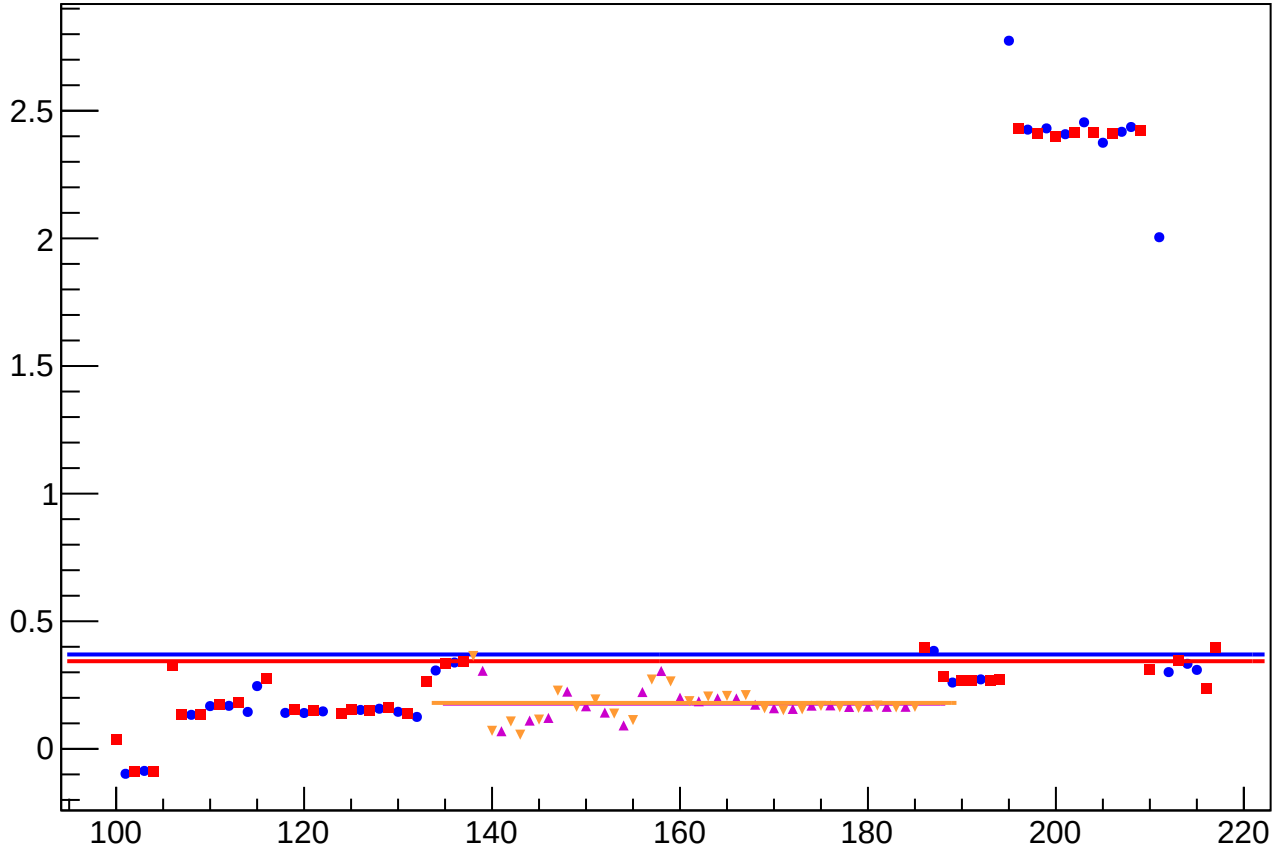
Right: 0.012+/-0.000 χ^2/NDF: 3778677.9/66

In: 0.012+/-0.000 χ^2/NDF:3020699.1/53

Out: 0.012+/-0.000 χ^2/NDF:1921514.3/60

All: 0.012+/-0.000 χ^2/NDF: 4942259.5/114

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: 0.343+/-0.000 χ^2/NDF: 163930548914.8/35

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

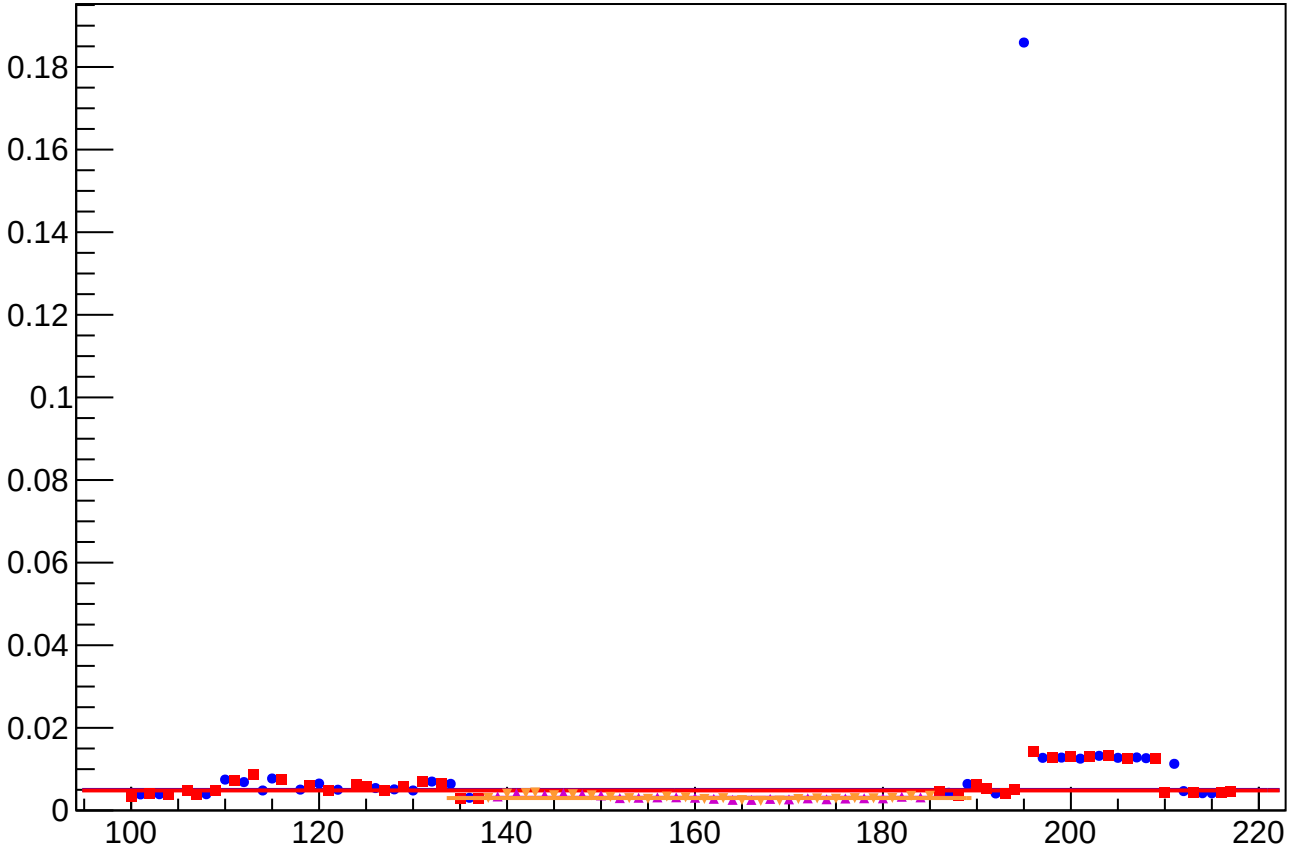
Right: 0.356+/-0.000 χ^2/NDF: 355600980055.5/66

In: 0.223+/-0.000 χ^2/NDF:211846963684.5/53

Out: 0.221+/-0.000 χ^2/NDF:183493417949.7/60

All: 0.222+/-0.000 χ^2/NDF: 395346897050.8

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: 5974288.5/35

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

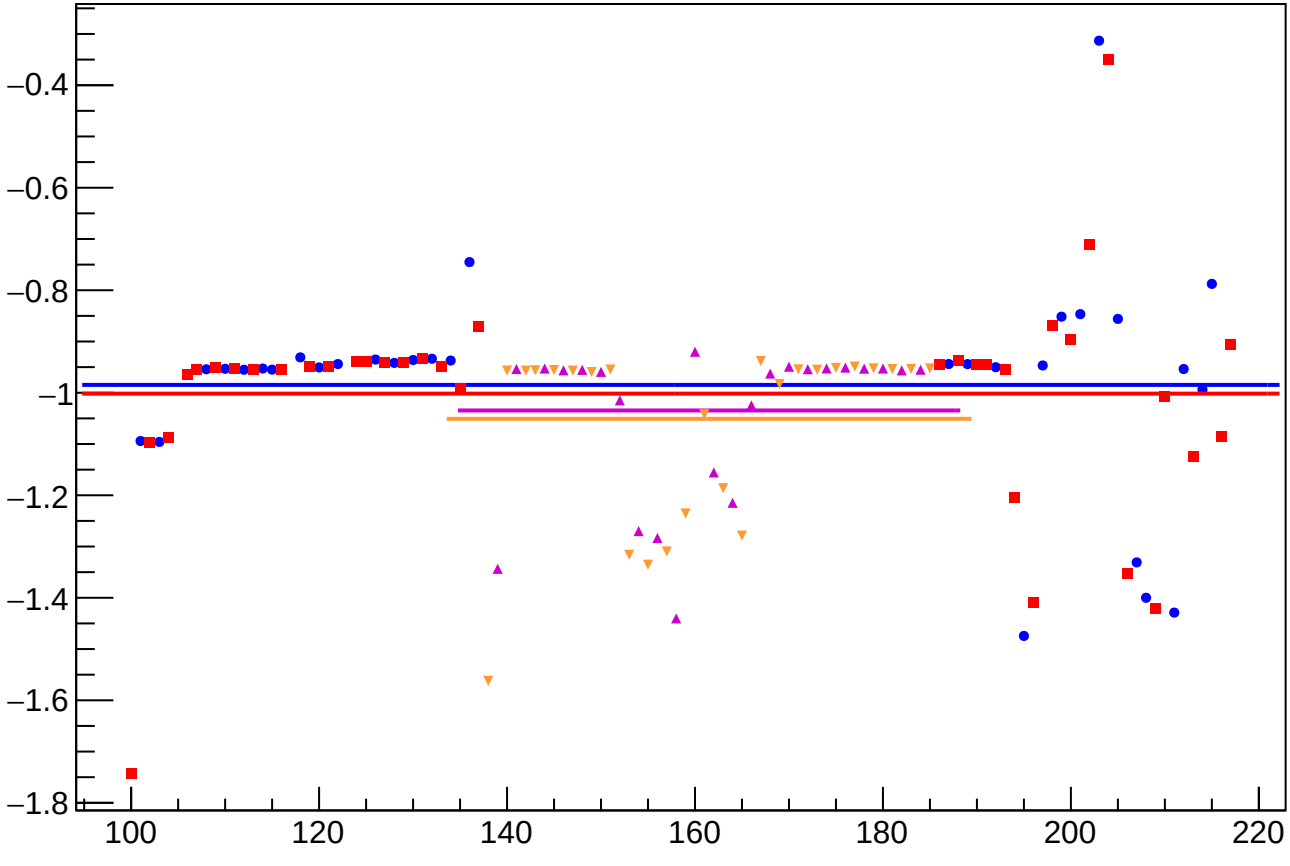
Right: 0.005+/-0.000 χ^2/NDF: 13915269.3/66

In: 0.004+/-0.000 χ^2/NDF:11564795.4/53

Out: 0.003+/-0.000 χ^2/NDF:10215981.9/60

All: 0.003+/-0.000 χ^2/NDF: 21790200.9/114

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.985+/-0.000 χ^2/NDF: 5971118179.9/30

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.002+/-0.000 χ^2/NDF: 5120324962.1/35

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

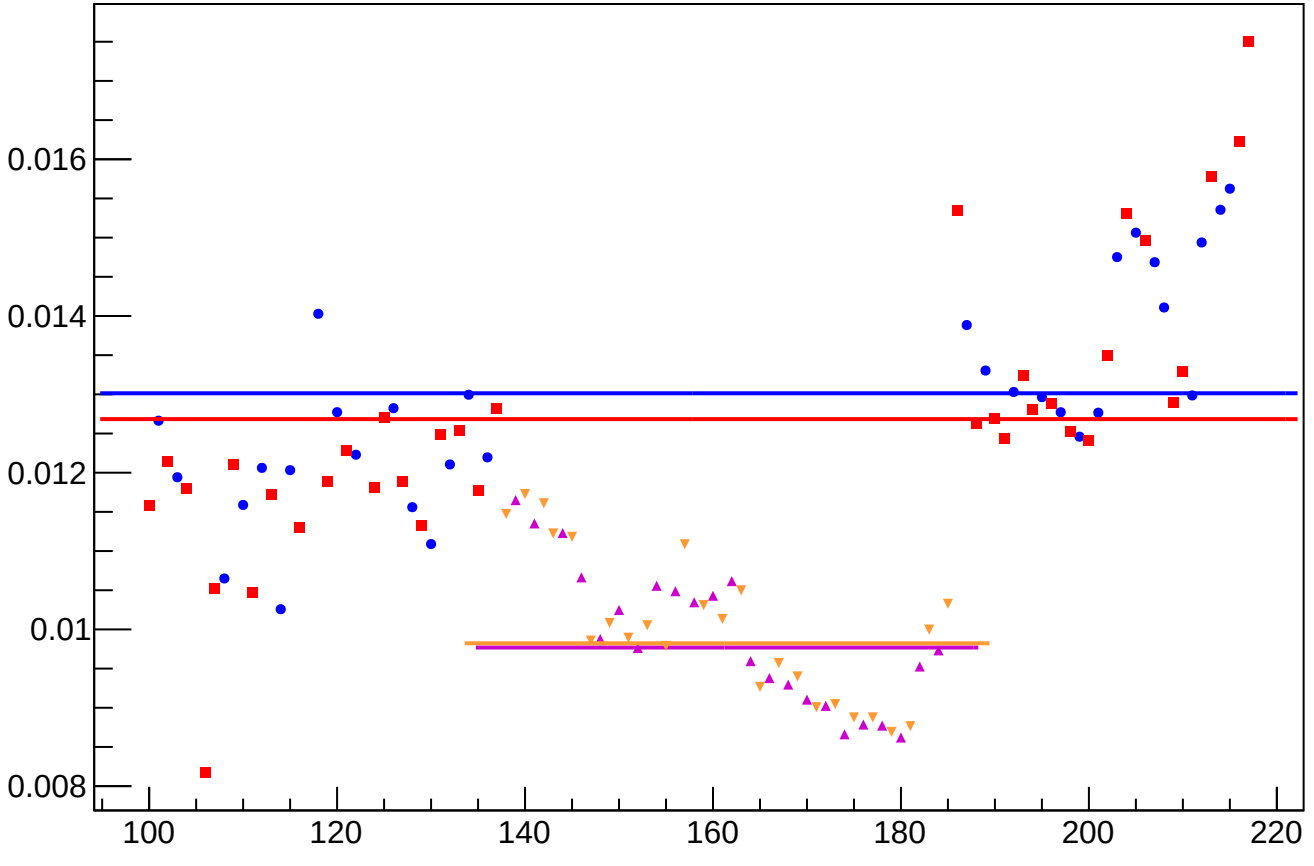
Right: -0.994+/-0.000 χ^2/NDF: 11108174304.6/66

In: -1.016+/-0.000 χ^2/NDF:10066747492.9/53

Out: -1.032+/-0.000 χ^2/NDF:10382483757.8/60

All: -1.024+/-0.000 χ^2/NDF: 20486703236.1/

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: 691895.8/35

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

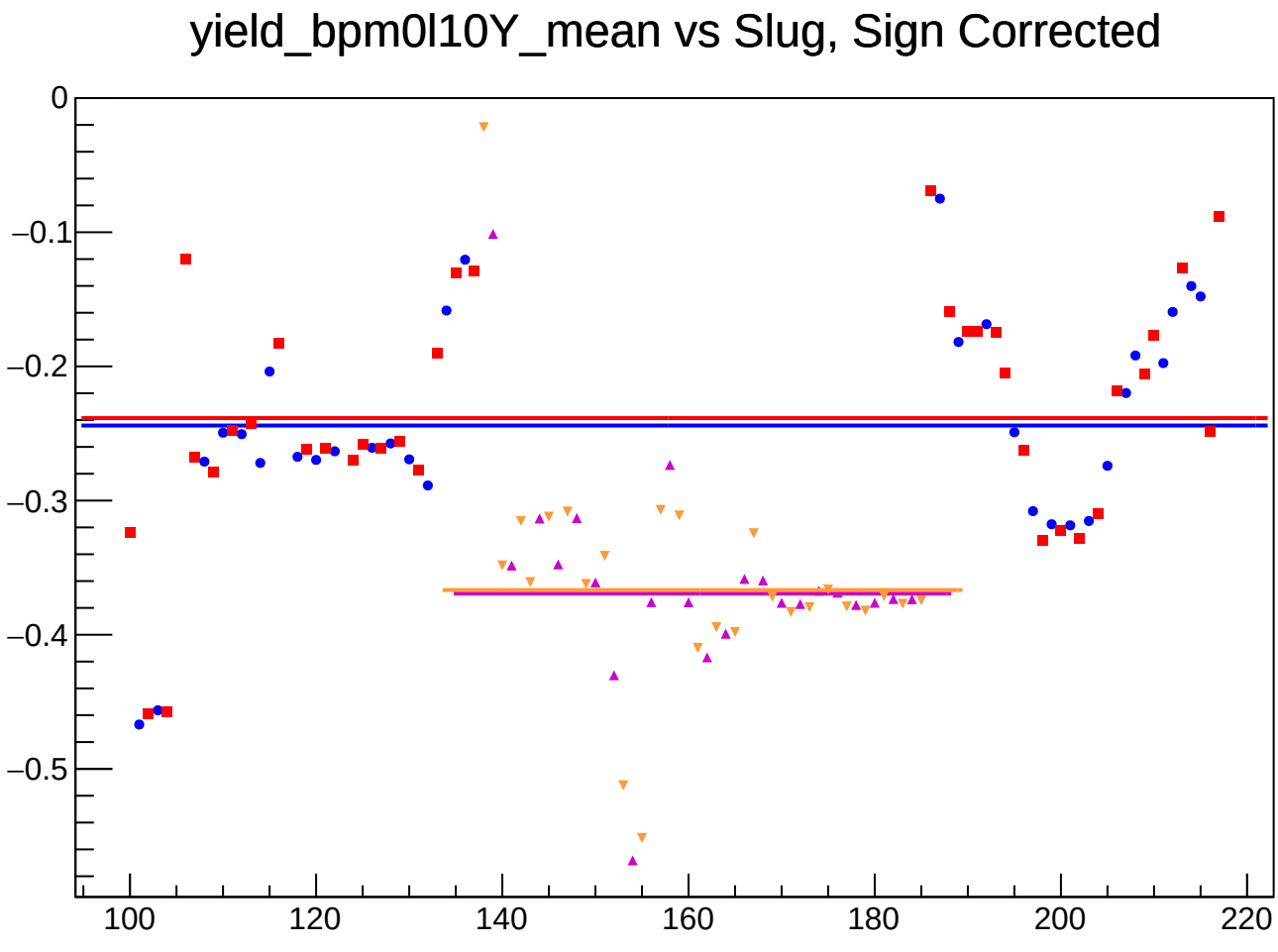
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

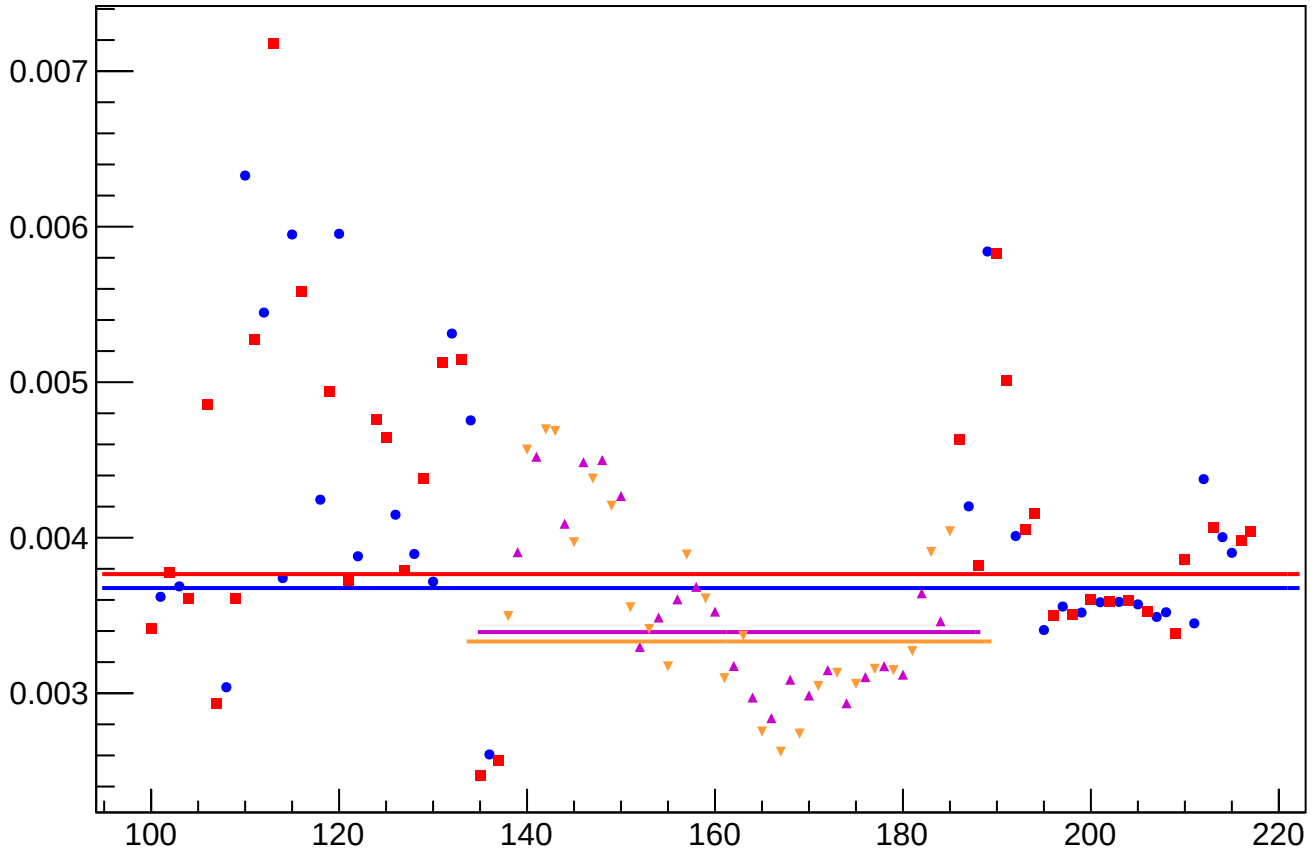
Right: 0.013+/-0.000 χ^2/NDF: 1063278.4/66

In: 0.011+/-0.000 χ^2/NDF:2077840.2/53

Out: 0.011+/-0.000 χ^2/NDF:2206203.2/60

All: 0.011+/-0.000 χ^2/NDF: 4284483.1/114


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: -0.239+/-0.000 χ²/NDF: 10836162333.6/35
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.241+/-0.000 χ²/NDF: 20926527286.3/66
In: -0.310+/-0.000 χ²/NDF:28285884244.6/53
Out: -0.309+/-0.000 χ²/NDF:34548128628.5/60
All: -0.309+/-0.000 χ²/NDF: 62838637702.0/



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: 1135676.7/35

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

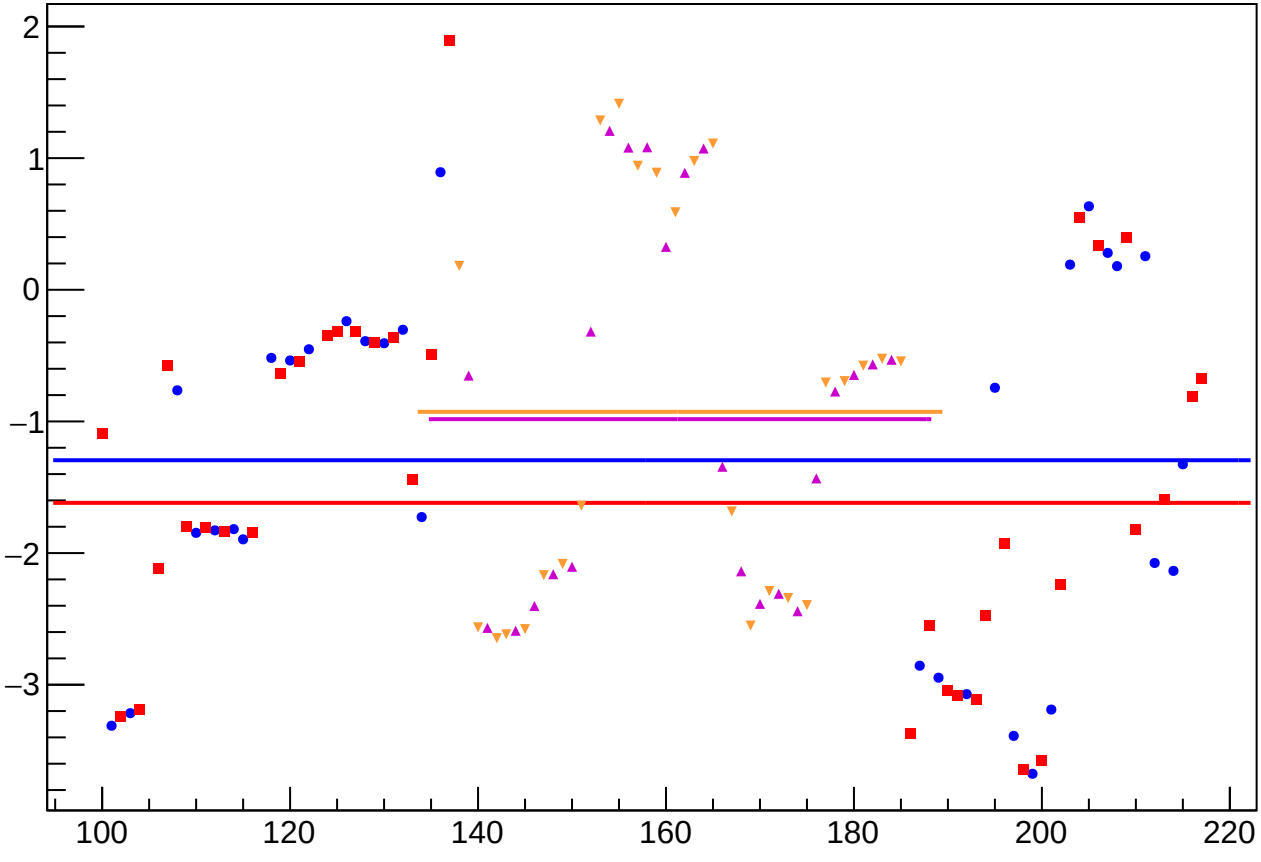
Right: 0.004+/-0.000 χ^2/NDF: 2122250.2/66

In: 0.004+/-0.000 χ^2/NDF:1718371.4/53

Out: 0.004+/-0.000 χ^2/NDF:2262219.7/60

All: 0.004+/-0.000 χ^2/NDF: 3980611.8/114

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: -1.619+/-0.000 χ^2/NDF: 6165618788.6/35

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

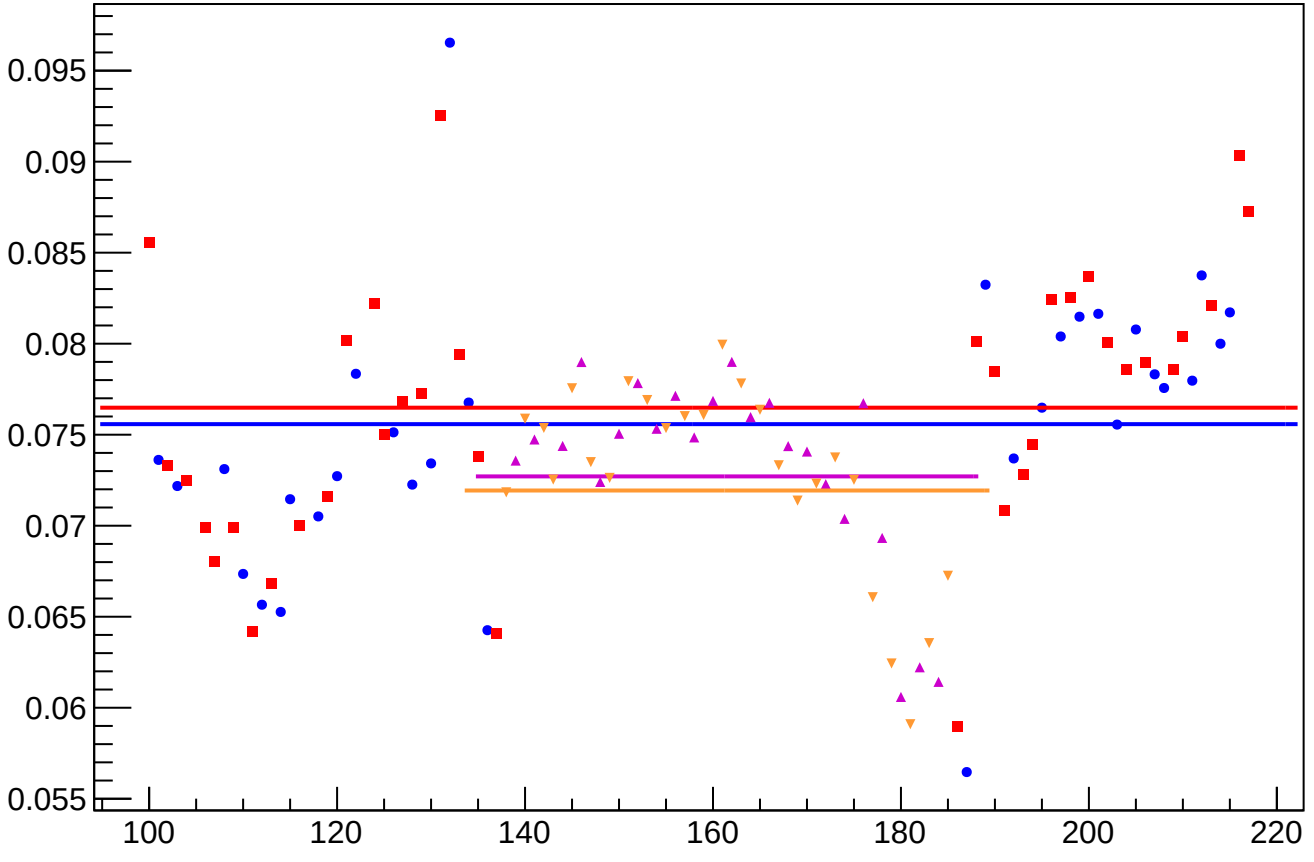
Right: -1.461+/-0.000 χ^2/NDF: 13426916676.7/66

In: -1.137+/-0.000 χ^2/NDF:13165833038.0/53

Out: -1.263+/-0.000 χ^2/NDF:14265840930.7/60

All: -1.202+/-0.000 χ^2/NDF: 27486618950.6/

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: 330184.4/35

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

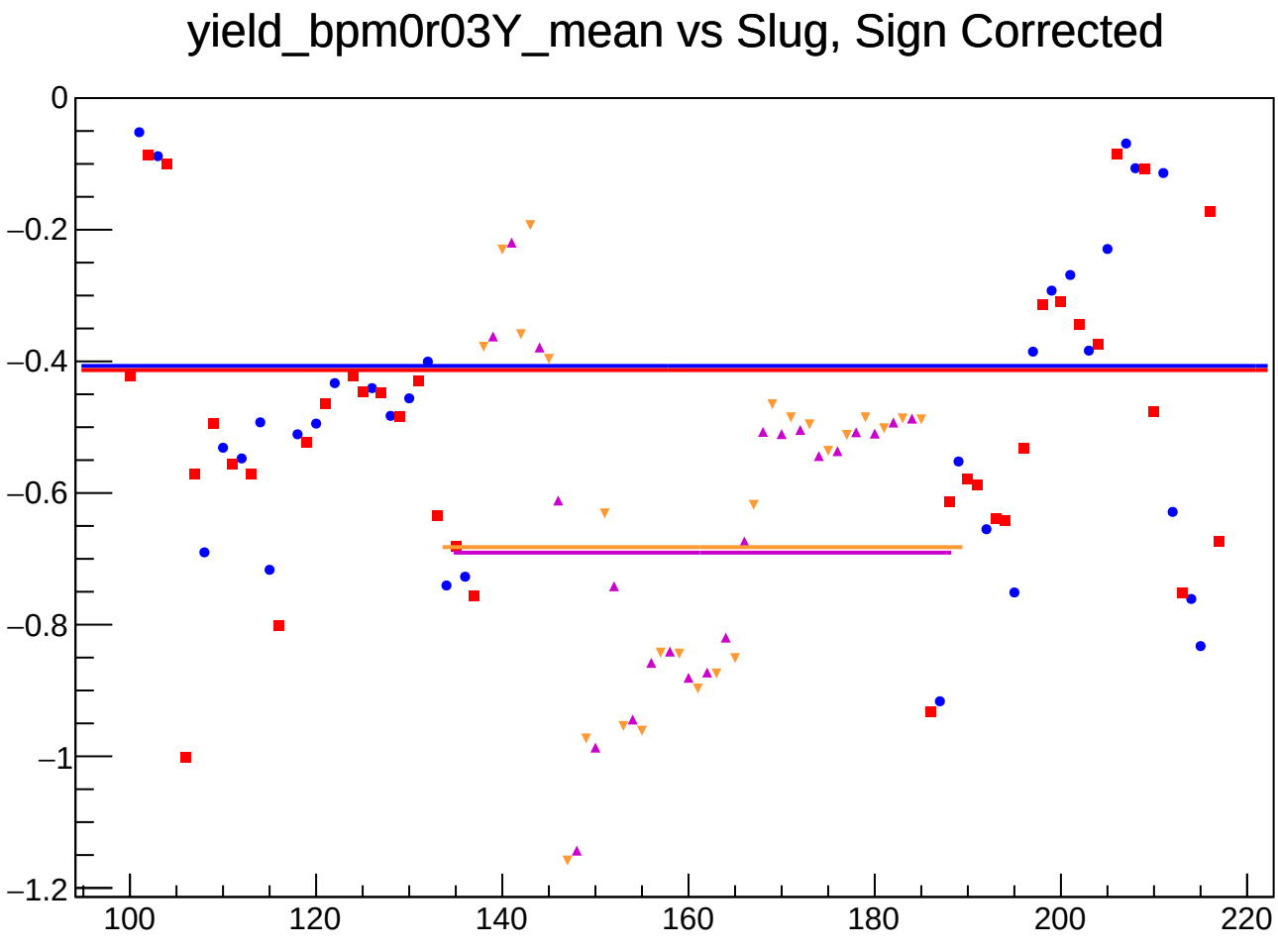
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.076+/-0.000 χ^2/NDF: 595978.0/66

In: 0.074+/-0.000 χ^2/NDF:487584.7/53

Out: 0.074+/-0.000 χ^2/NDF:639404.8/60

All: 0.074+/-0.000 χ^2/NDF: 1126991.8/114



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: -0.413+/-0.000 χ^2/NDF: 13942526361.2/35

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

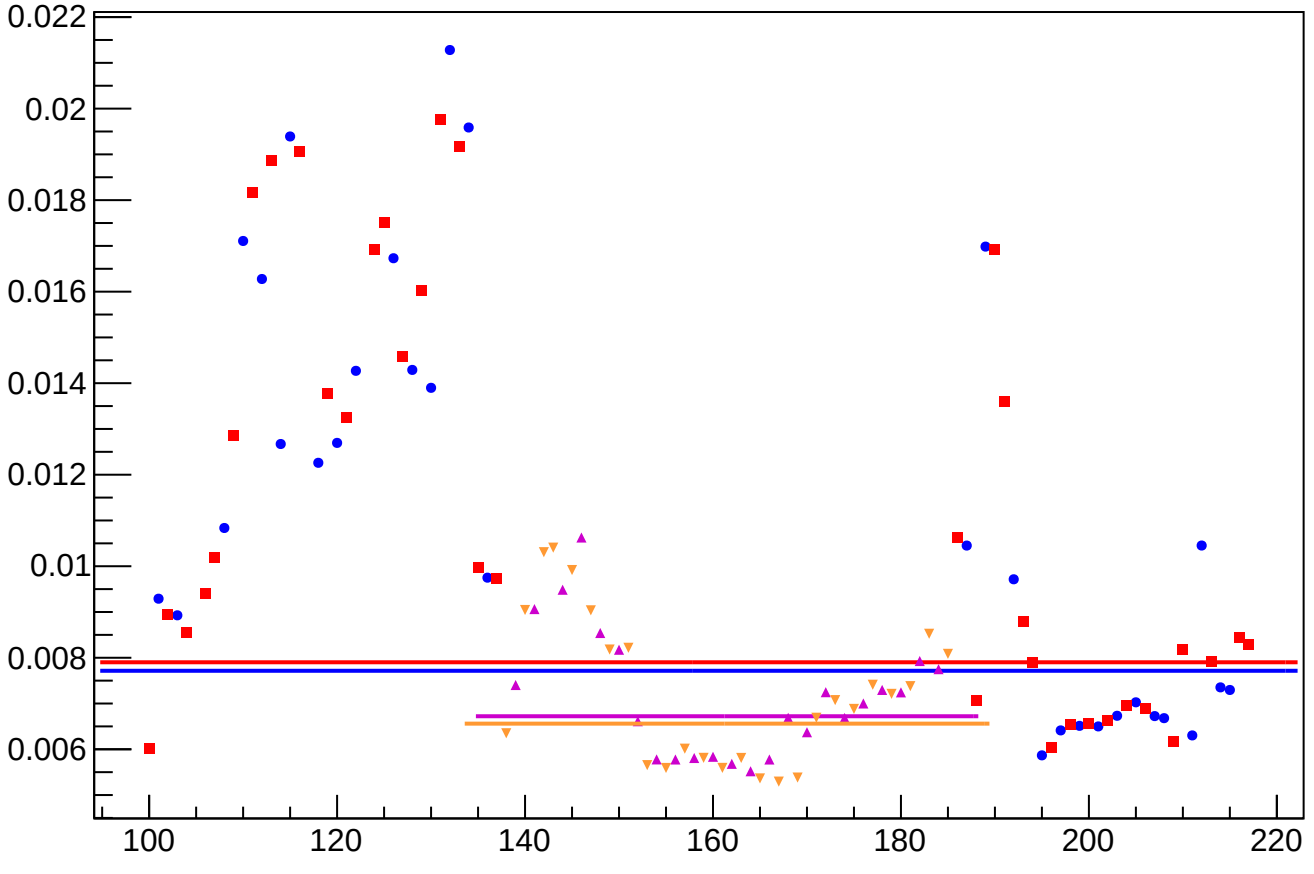
Right: -0.410+/-0.000 χ^2/NDF: 33192741486.2/66

In: -0.569+/-0.000 χ^2/NDF:48800635493.7/53

Out: -0.574+/-0.000 χ^2/NDF:47688951105.5/60

All: -0.572+/-0.000 χ^2/NDF: 96495214684.4/

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: 3266758.5/35

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

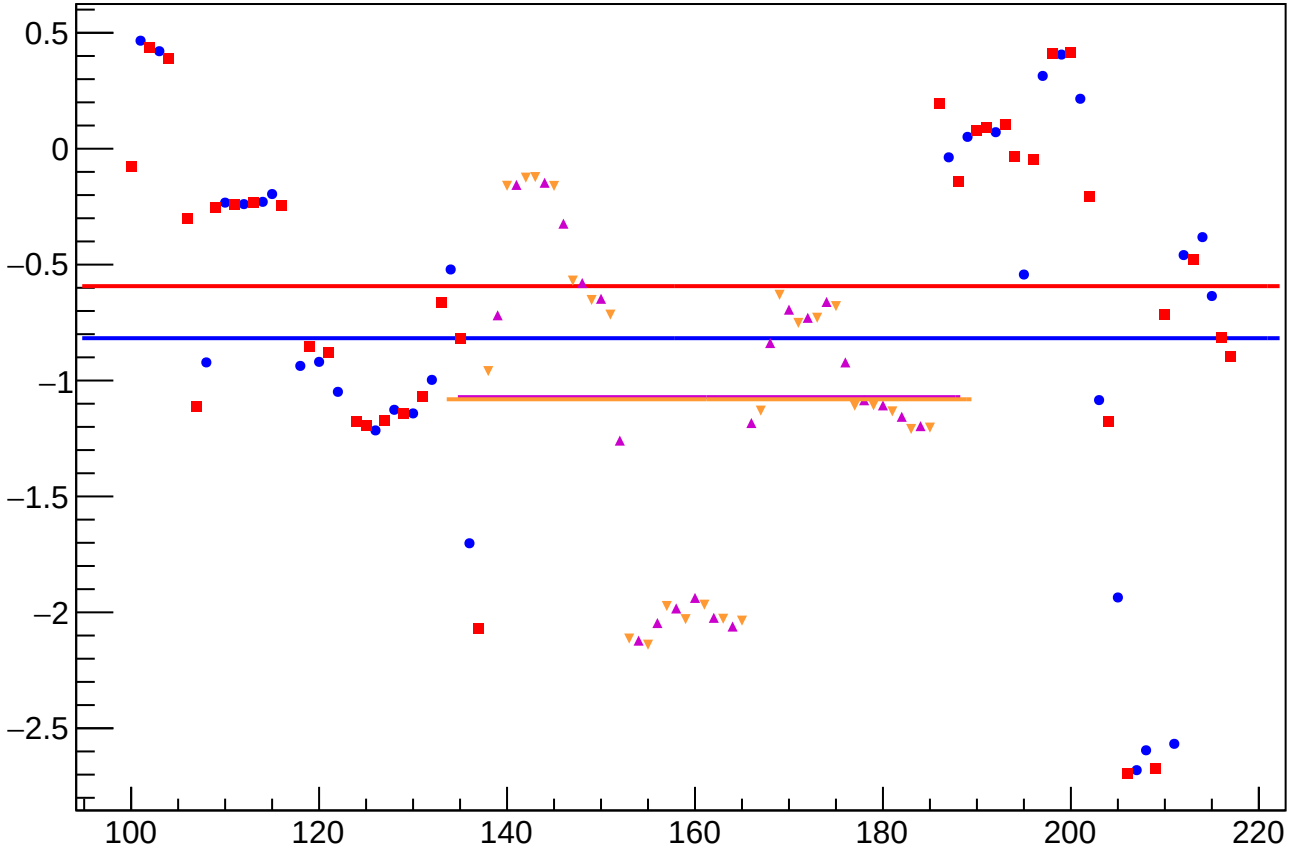
Right: 0.008+/-0.000 χ^2/NDF: 6469058.7/66

In: 0.007+/-0.000 χ^2/NDF:4464865.5/53

Out: 0.007+/-0.000 χ^2/NDF:5263718.9/60

All: 0.007+/-0.000 χ^2/NDF: 9729883.3/114

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: -0.593+/-0.000 χ^2/NDF: 1672744796.7/35

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

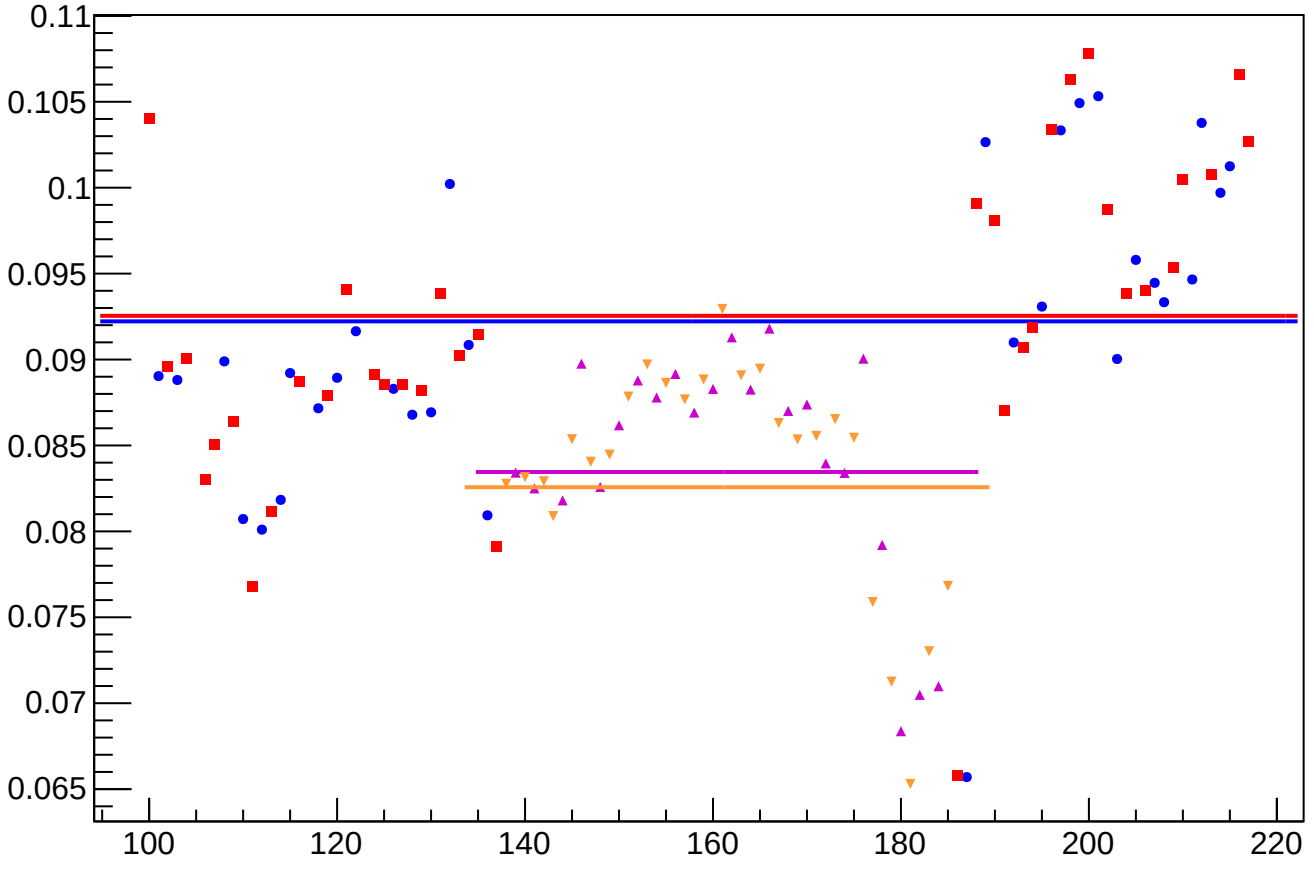
Right: -0.702+/-0.000 χ^2/NDF: 3716979796.3/66

In: -0.954+/-0.000 χ^2/NDF:3039409502.1/53

Out: -0.857+/-0.000 χ^2/NDF:3131838773.3/60

All: -0.904+/-0.000 χ^2/NDF: 6194913837.3/1

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: 0.093+/-0.000 χ^2/NDF: 406309.2/35

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

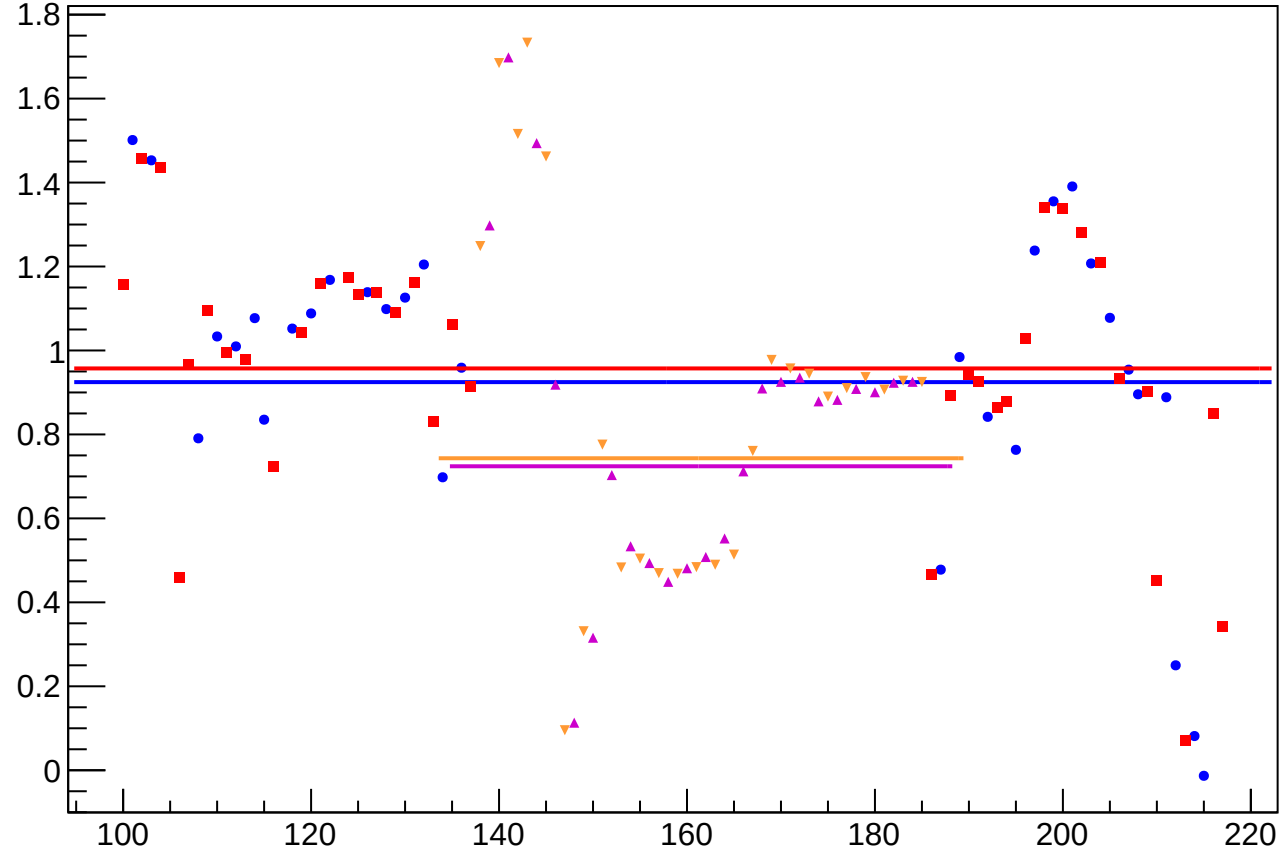
Right: 0.092+/-0.000 χ^2/NDF: 698977.4/66

In: 0.088+/-0.000 χ^2/NDF:715641.7/53

Out: 0.087+/-0.000 χ^2/NDF:953739.6/60

All: 0.087+/-0.000 χ^2/NDF: 1670040.4/114

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: 0.957+/-0.000 χ^2/NDF: 15948040247.3/35

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

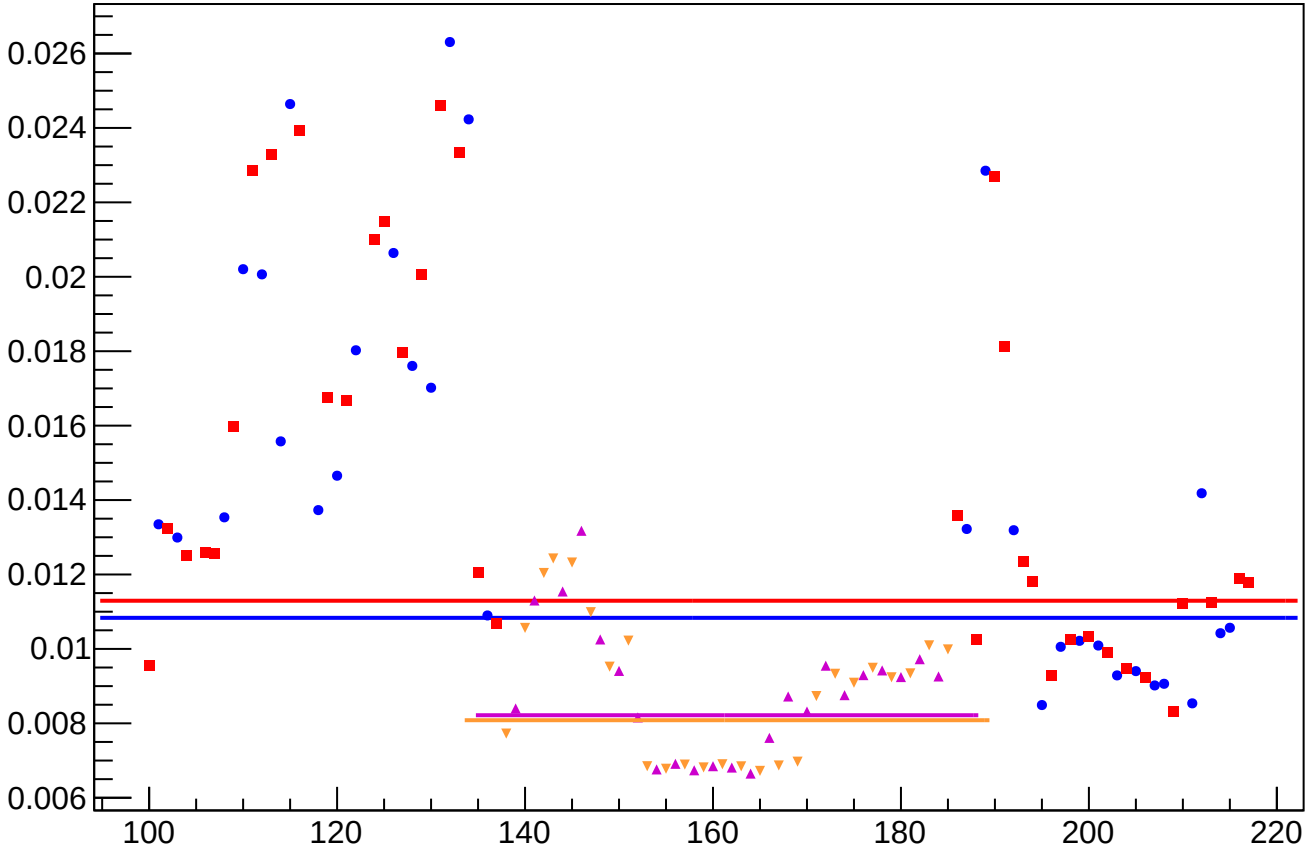
Right: 0.941+/-0.000 χ^2/NDF: 38492883875.3/66

In: 0.797+/-0.000 χ^2/NDF:51764562330.1/53

Out: 0.816+/-0.000 χ^2/NDF:52735361170.9/60

All: 0.807+/-0.000 χ^2/NDF: 104566338771.5

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: 2463821.3/35

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

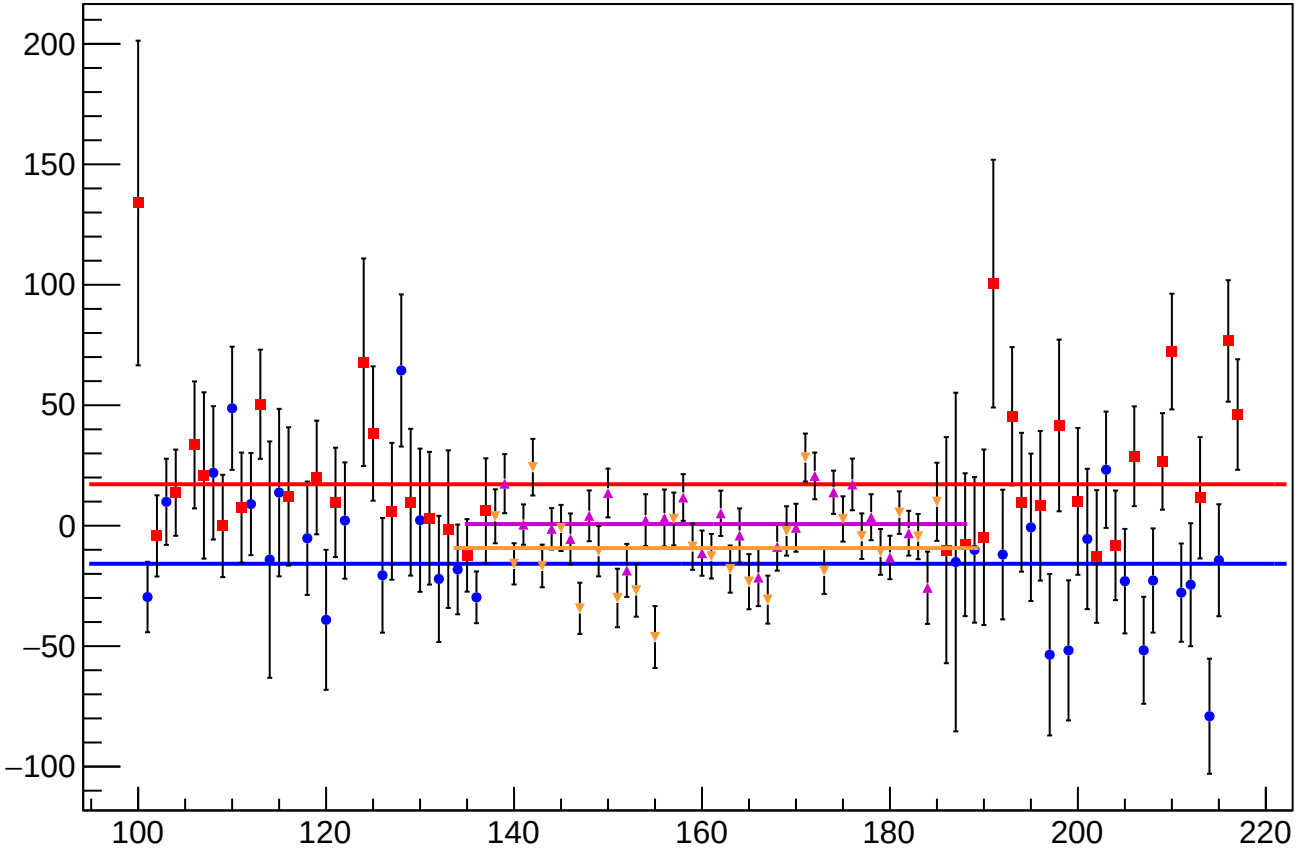
Right: 0.011+/-0.000 χ^2/NDF: 4892622.3/66

In: 0.009+/-0.000 χ^2/NDF:4767464.9/53

Out: 0.009+/-0.000 χ^2/NDF:5763965.8/60

All: 0.009+/-0.000 χ^2/NDF: 10531437.5/114

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: 17.195+/-4.226 χ^2/NDF: 36.2/35

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

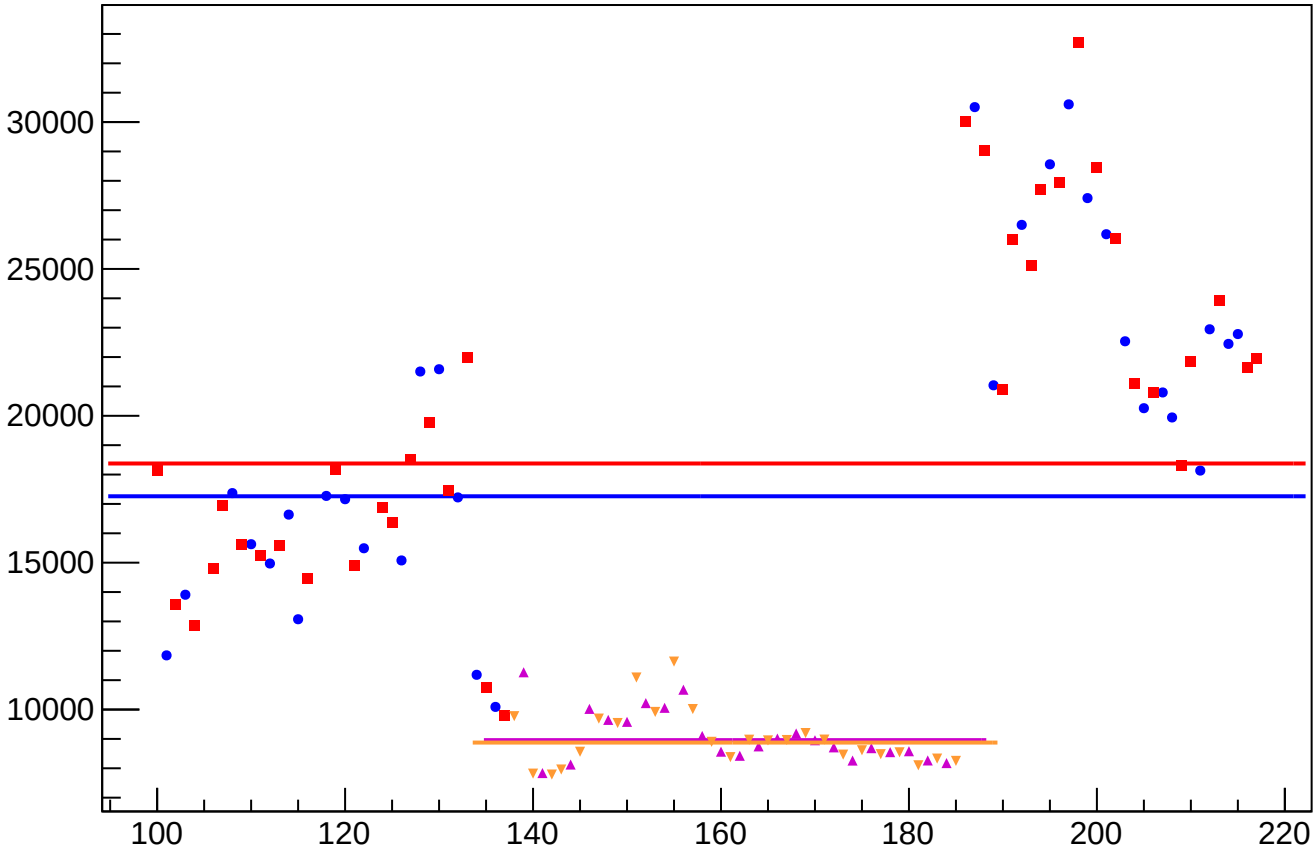
Right: 0.364+/-2.958 χ^2/NDF: 106.8/66

In: -2.705+/-1.876 χ^2/NDF:81.5/53

Out: -4.323+/-1.830 χ^2/NDF:129.3/60

All: -3.534+/-1.310 χ^2/NDF: 211.1/114

diff_bpm4aX_rms vs Slug, Sign Corrected



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: 18376.535+/-2.988 χ^2/NDF: 3364032.0/35

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

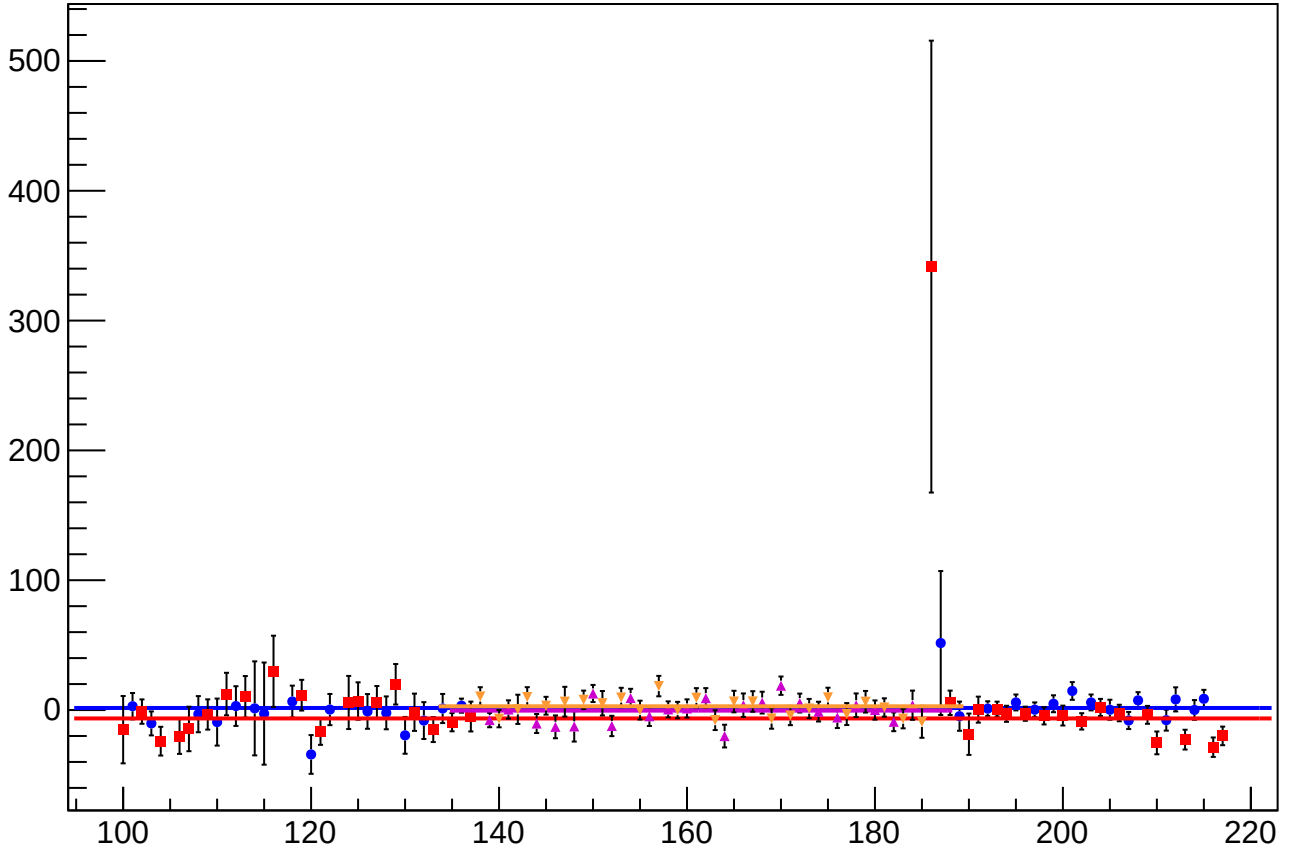
Right: 17807.401+/-2.092 χ^2/NDF: 6936501.3/66

In: 10661.476+/-1.327 χ^2/NDF:10188671.3/53

Out: 10657.915+/-1.294 χ^2/NDF:11924534.6/60

All: 10659.652+/-0.926 χ^2/NDF: 22113209.5

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: -6.486+/-1.505 χ^2/NDF: 50.9/35

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

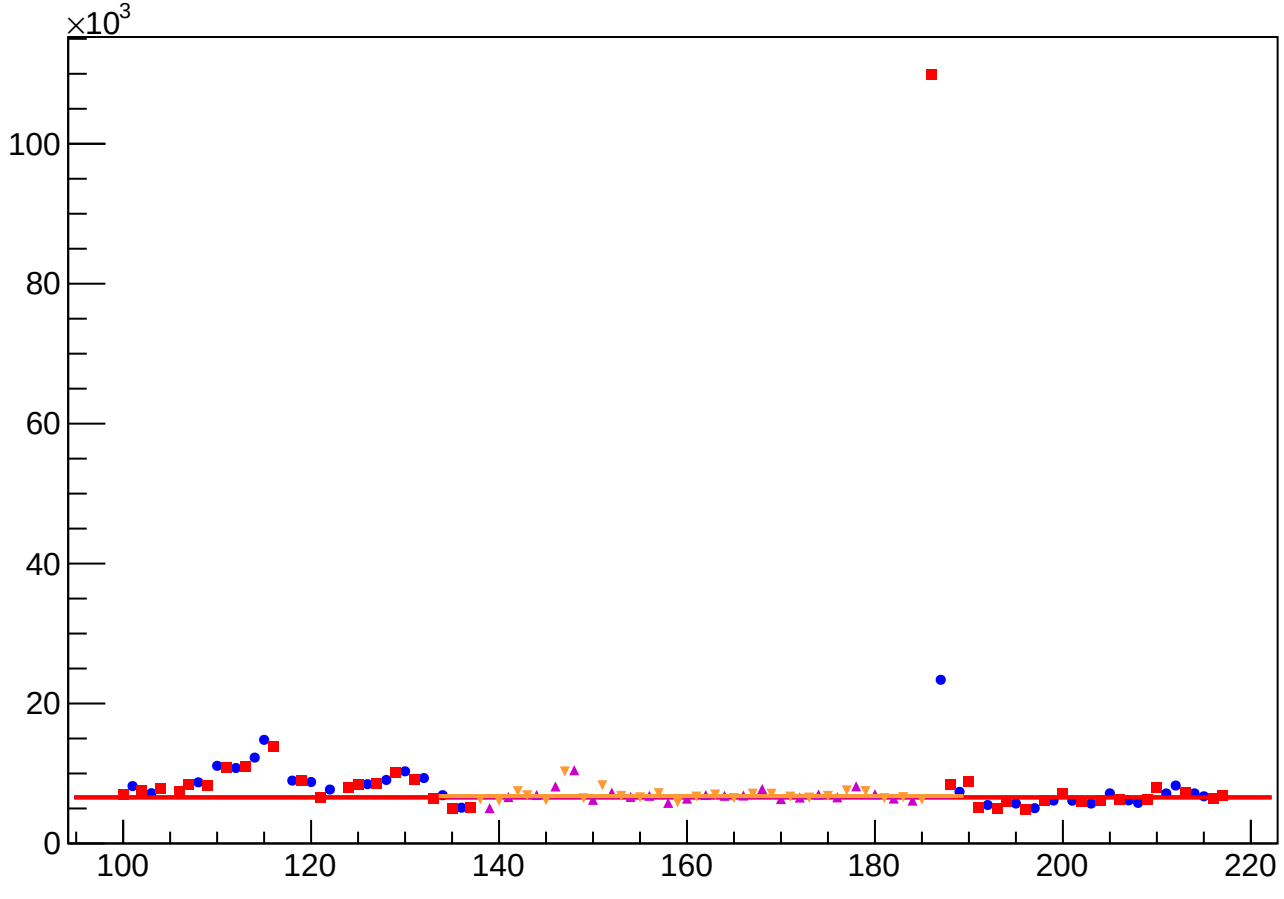
Right: -2.563+/-1.079 χ^2/NDF: 88.0/66

In: 0.586+/-1.106 χ^2/NDF:56.8/53

Out: -1.952+/-1.081 χ^2/NDF:89.2/60

All: -0.712+/-0.773 χ^2/NDF: 148.6/114

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6587.392+/-1.094 χ^2/NDF: 1799314.7/30

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6582.637+/-1.064 χ^2/NDF: 2405594.8/35

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

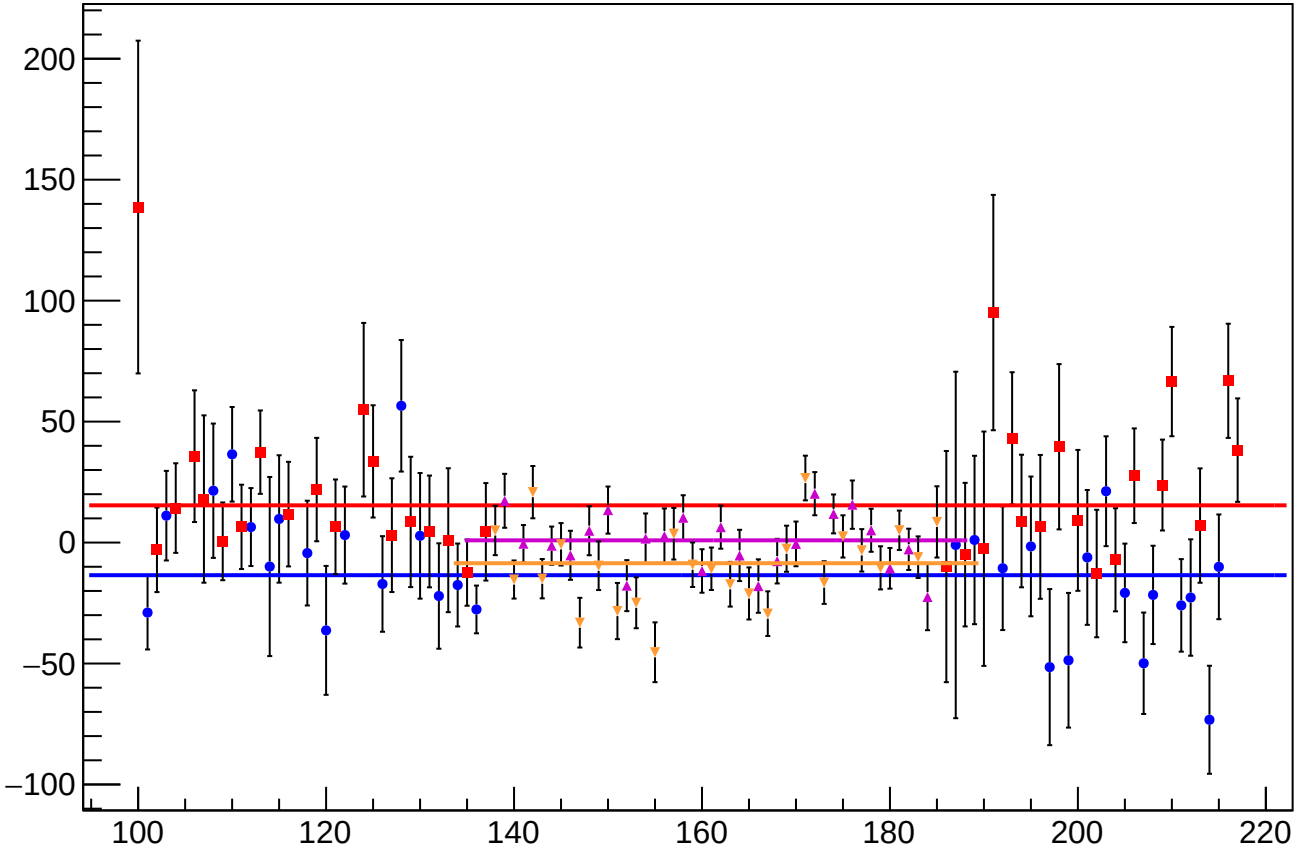
Right: 6584.949+/-0.763 χ^2/NDF: 4204919.2/66

In: 6637.362+/-0.782 χ^2/NDF:2423855.1/53

Out: 6676.614+/-0.764 χ^2/NDF:2821861.9/60

All: 6657.435+/-0.547 χ^2/NDF: 5247005.1/11

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: 15.388+/-3.841 χ^2/NDF: 34.3/35

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

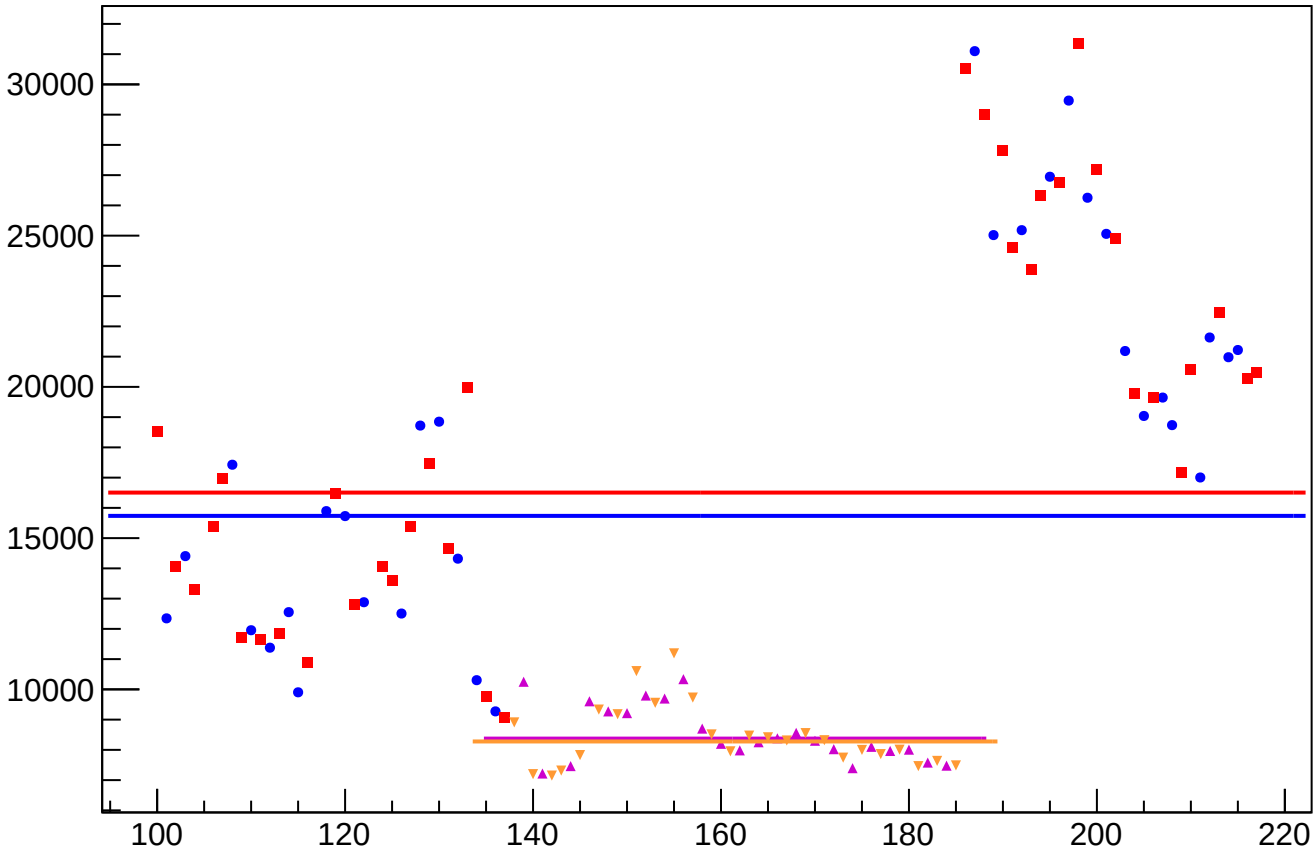
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 0.793+/-2.701 χ^2/NDF: 103.9/66

In: -2.130+/-1.748 χ^2/NDF:81.4/53

Out: -3.847+/-1.701 χ^2/NDF:127.4/60

All: -3.012+/-1.219 χ^2/NDF: 209.3/114



Right In: 15735.695+/-2.686 χ^2/NDF: 3992976.6/30

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 16505.674+/-2.716 χ^2/NDF: 4231193.8/35

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

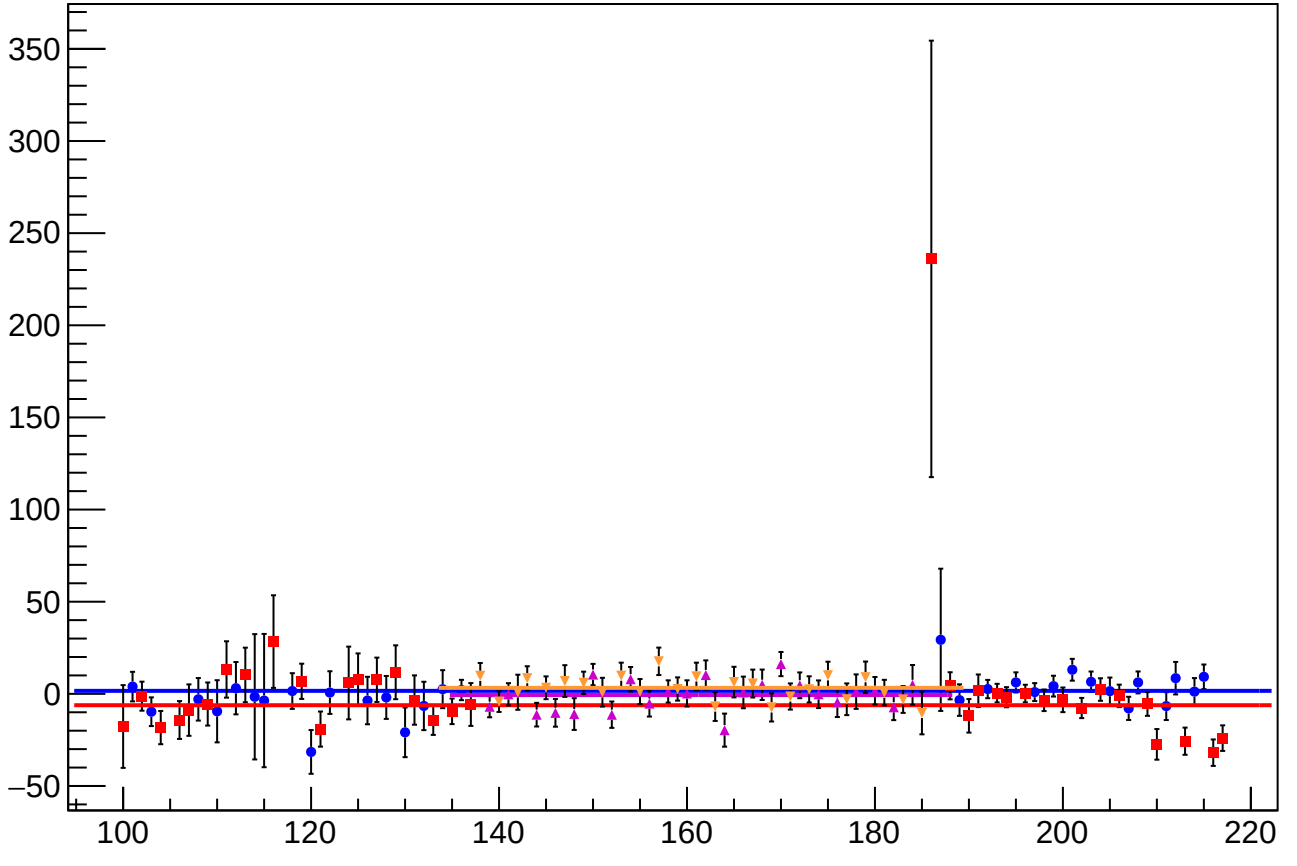
Right: 16116.438+/-1.910 χ^2/NDF: 8264796.5/66

In: 9931.416+/-1.236 χ^2/NDF:10308485.3/53

Out: 9890.614+/-1.203 χ^2/NDF:12064241.6/60

All: 9910.454+/-0.862 χ^2/NDF: 22373286.7/

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.625+/-1.403 χ^2/NDF: 26.4/30

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -6.170+/-1.349 χ^2/NDF: 64.7/35

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

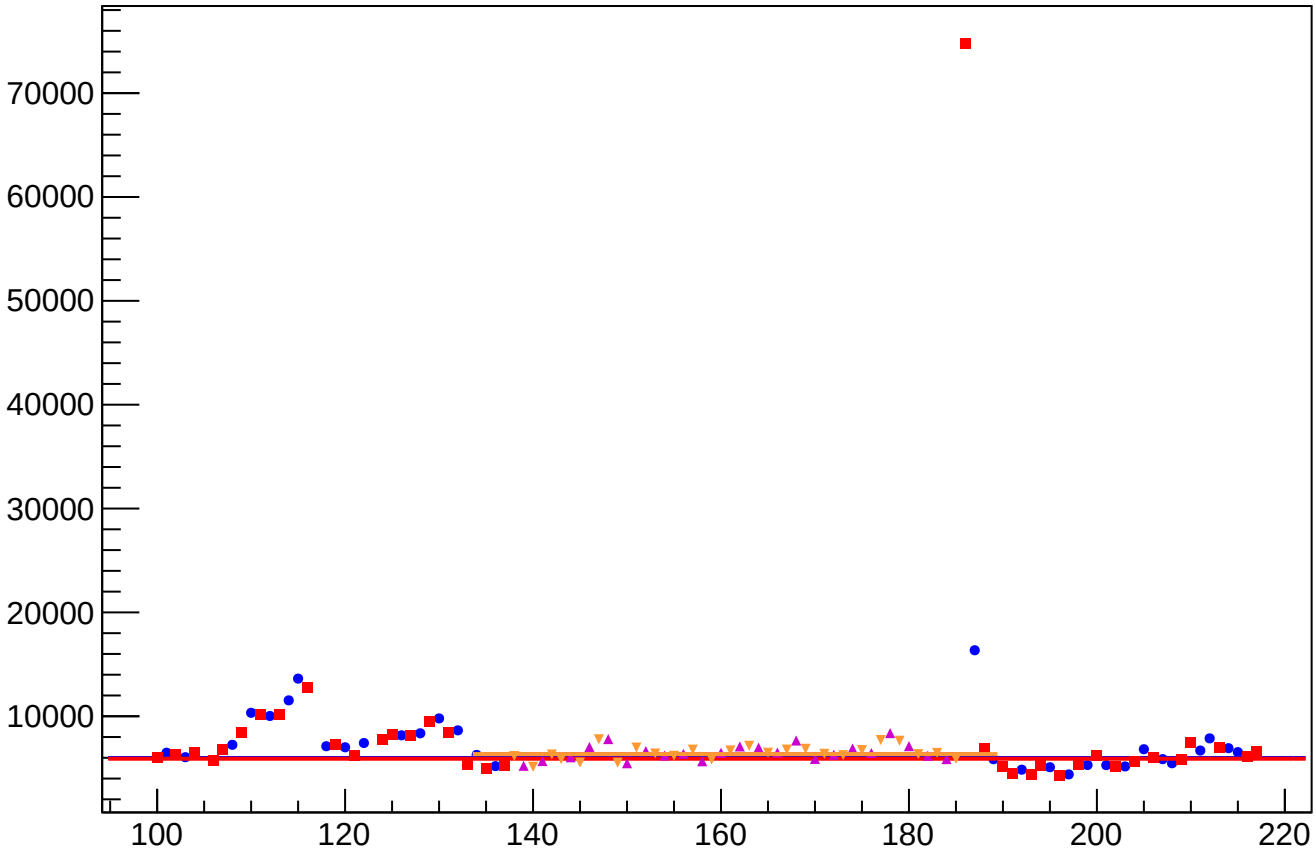
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -2.426+/-0.973 χ^2/NDF: 107.2/66

In: 0.565+/-1.025 χ^2/NDF:58.4/53

Out: -1.820+/-0.990 χ^2/NDF:104.8/60

All: -0.668+/-0.712 χ^2/NDF: 166.1/114



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: 5910.533+/-0.954 χ^2/NDF: 2454422.2/35

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

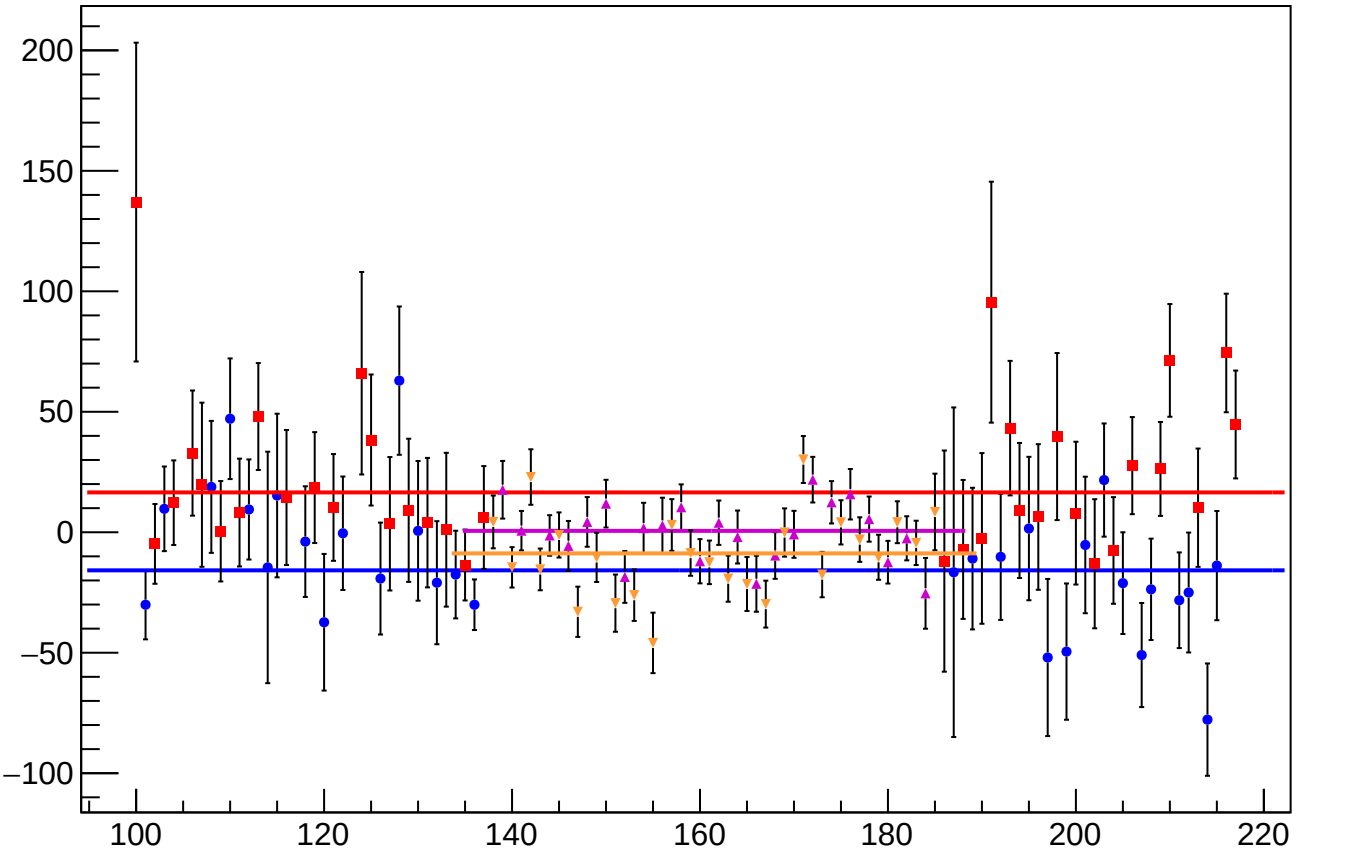
Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

Right: 5944.710+/-0.688 χ^2/NDF: 4234748.1/66

In: 6158.308+/-0.724 χ^2/NDF:2319374.3/53

Out: 6116.879+/-0.700 χ^2/NDF:2969914.1/60

All: 6136.883+/-0.503 χ^2/NDF: 5290979.7/11



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: 16.536+/-4.127 χ^2/NDF: 36.6/35

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

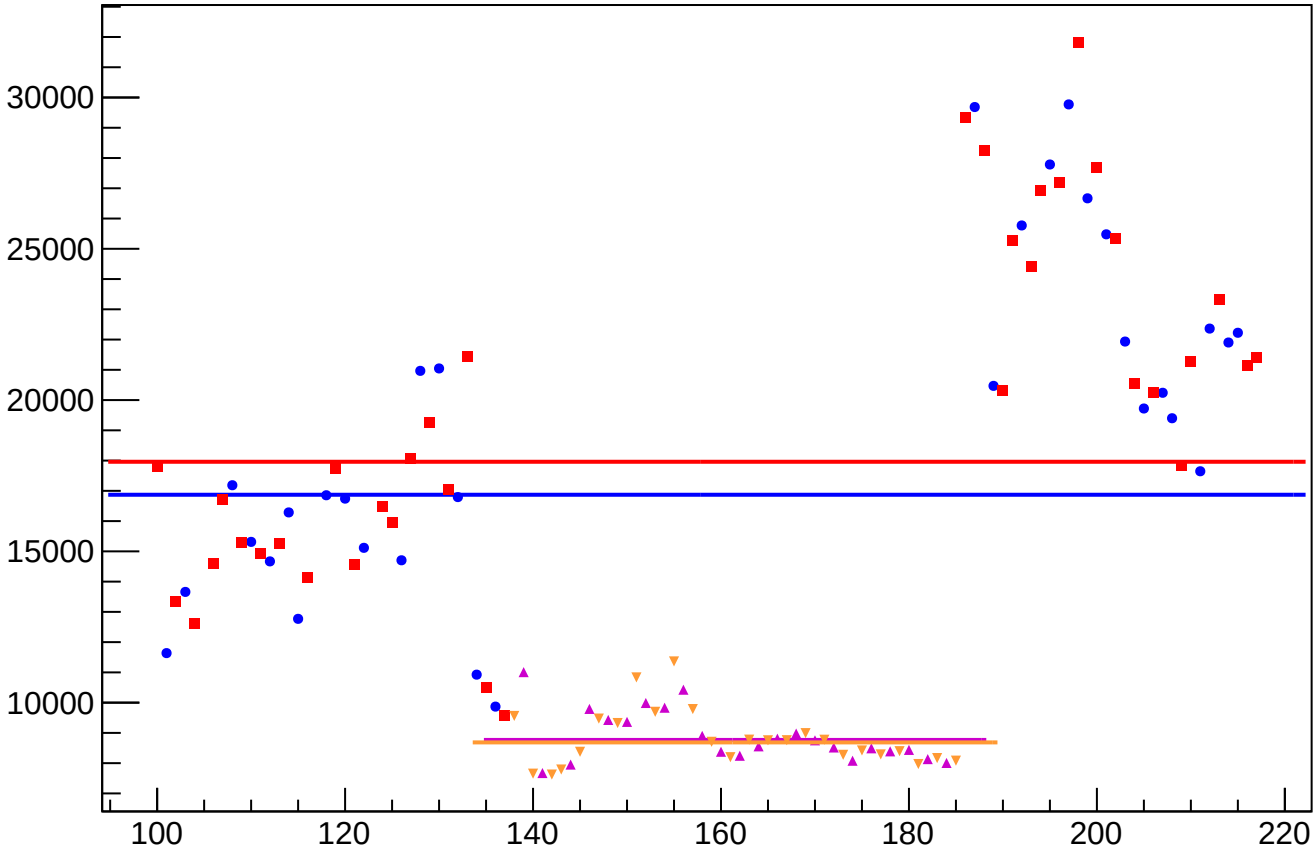
Right: 0.043+/-2.889 χ^2/NDF: 107.5/66

In: -2.792+/-1.835 χ^2/NDF:82.2/53

Out: -4.006+/-1.790 χ^2/NDF:129.8/60

All: -3.414+/-1.281 χ^2/NDF: 212.2/114

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 16870.984+/-2.861 χ^2/NDF: 3450382.9/30

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17961.196+/-2.918 χ^2/NDF: 3310424.7/35

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

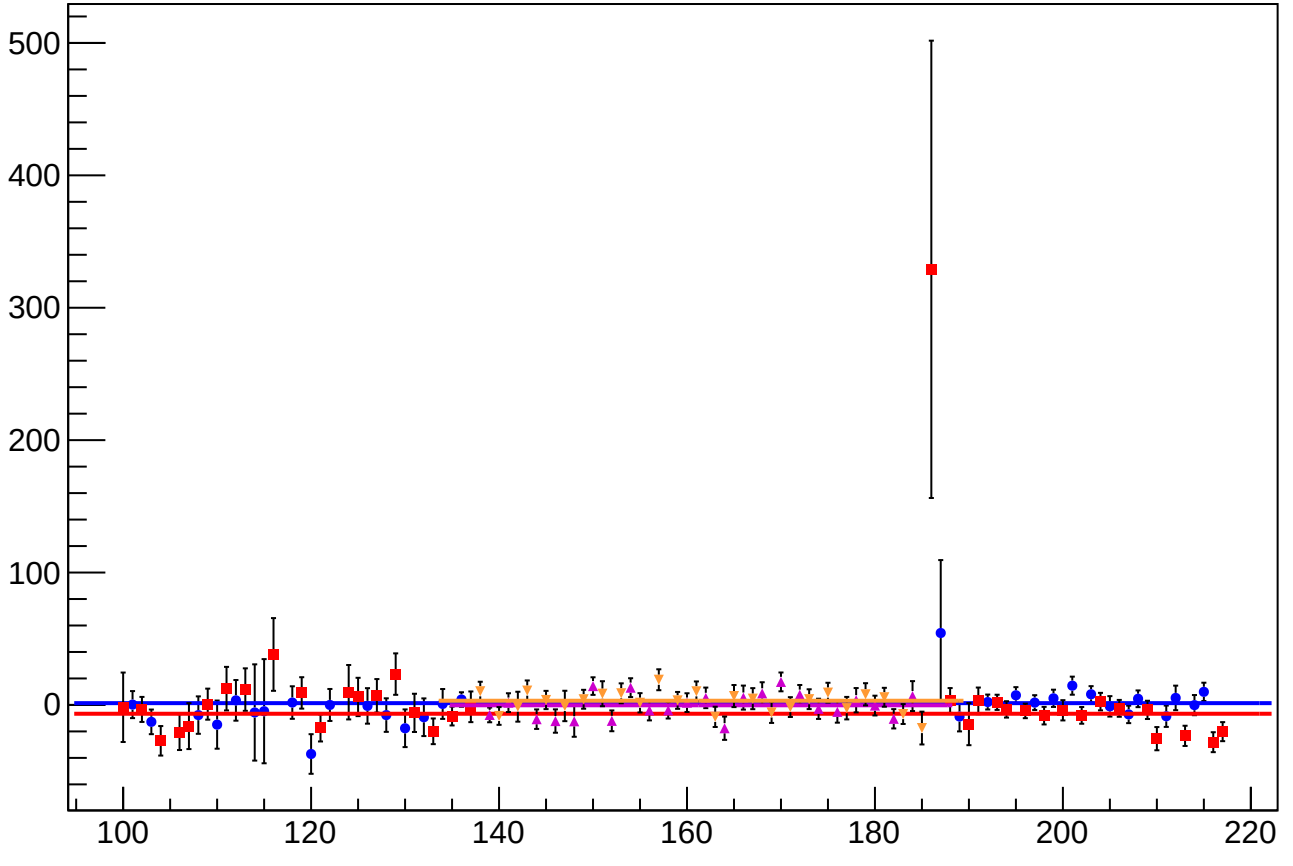
Right: 17405.219+/-2.043 χ^2/NDF: 6831972.9/66

In: 10434.872+/-1.298 χ^2/NDF:10118420.4/53

Out: 10431.255+/-1.266 χ^2/NDF:11851047.6/60

All: 10433.019+/-0.906 χ^2/NDF: 21969472.0

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: -6.660+/-1.510 χ^2/NDF: 54.3/35

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

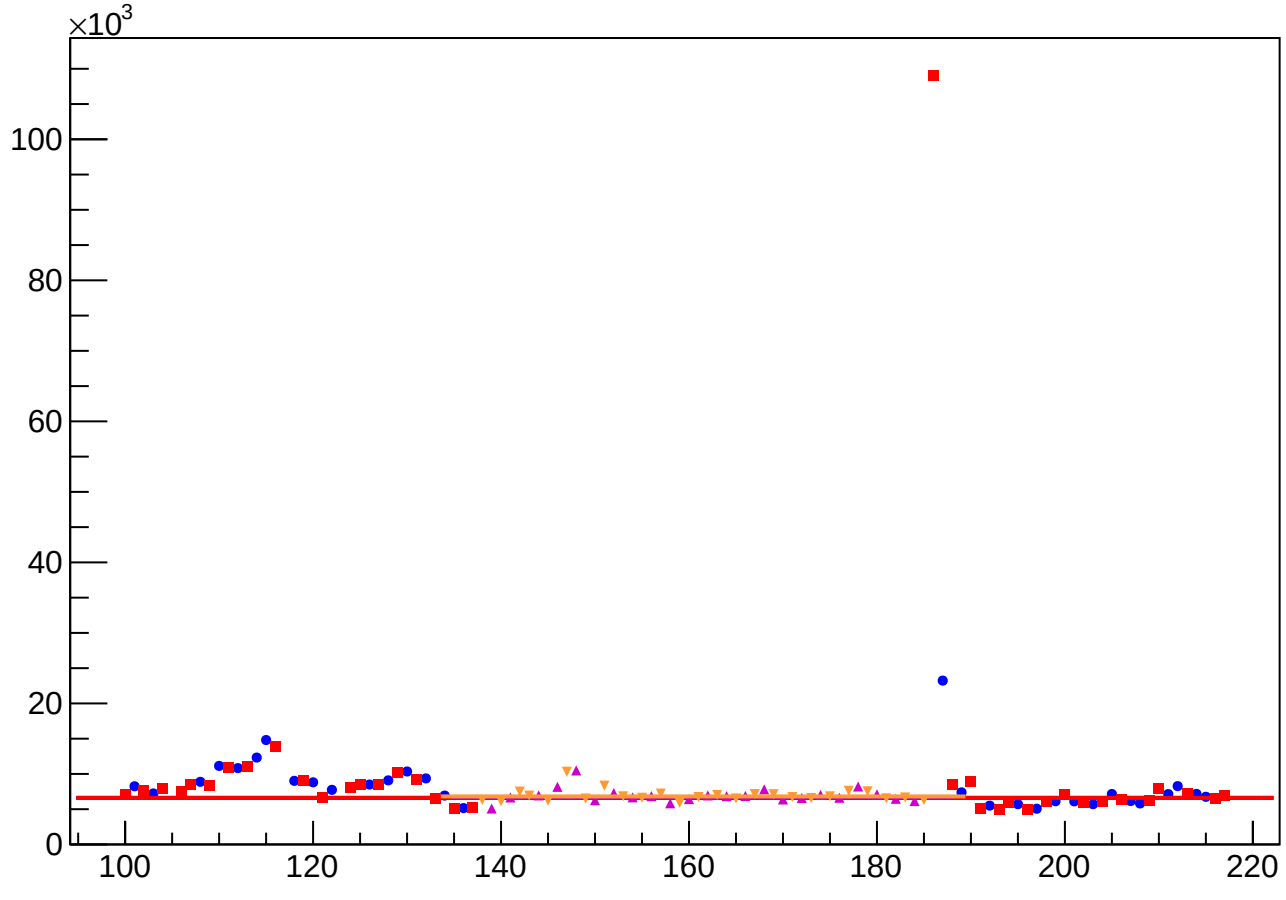
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -2.760+/-1.082 χ^2/NDF: 94.6/66

In: 0.564+/-1.111 χ^2/NDF:61.3/53

Out: -1.909+/-1.086 χ^2/NDF:96.4/60

All: -0.701+/-0.776 χ^2/NDF: 160.3/114



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: 6606.315+/-1.068 χ^2/NDF: 2398123.4/35

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

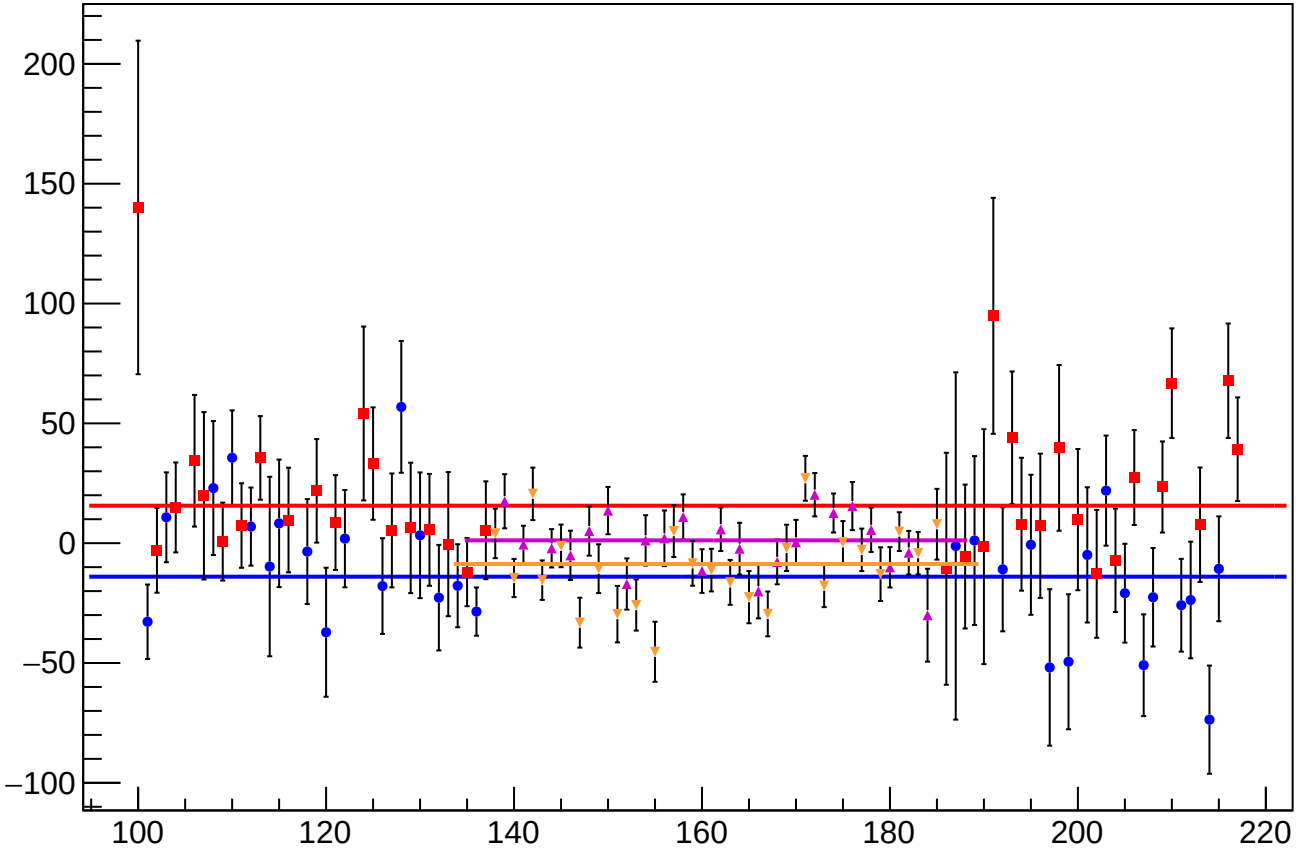
Right: 6606.366+/-0.765 χ^2/NDF: 4192786.1/66

In: 6665.652+/-0.785 χ^2/NDF:2410675.7/53

Out: 6706.174+/-0.768 χ^2/NDF:2810837.9/60

All: 6686.371+/-0.549 χ^2/NDF: 5222875.1/11

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: 15.648+/-3.894 χ^2/NDF: 33.1/35

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

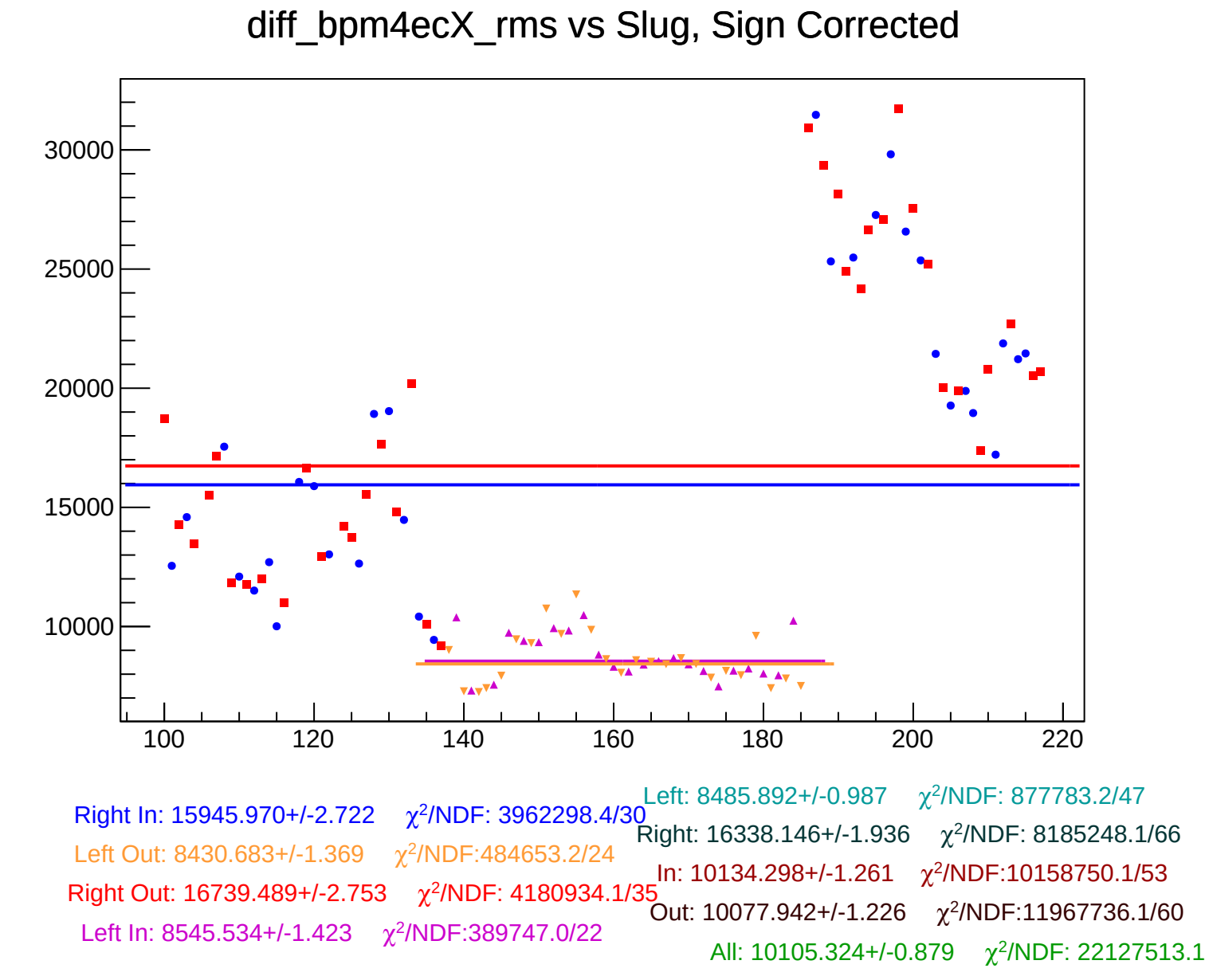
Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

Right: 0.662+/-2.737 χ^2/NDF: 103.7/66

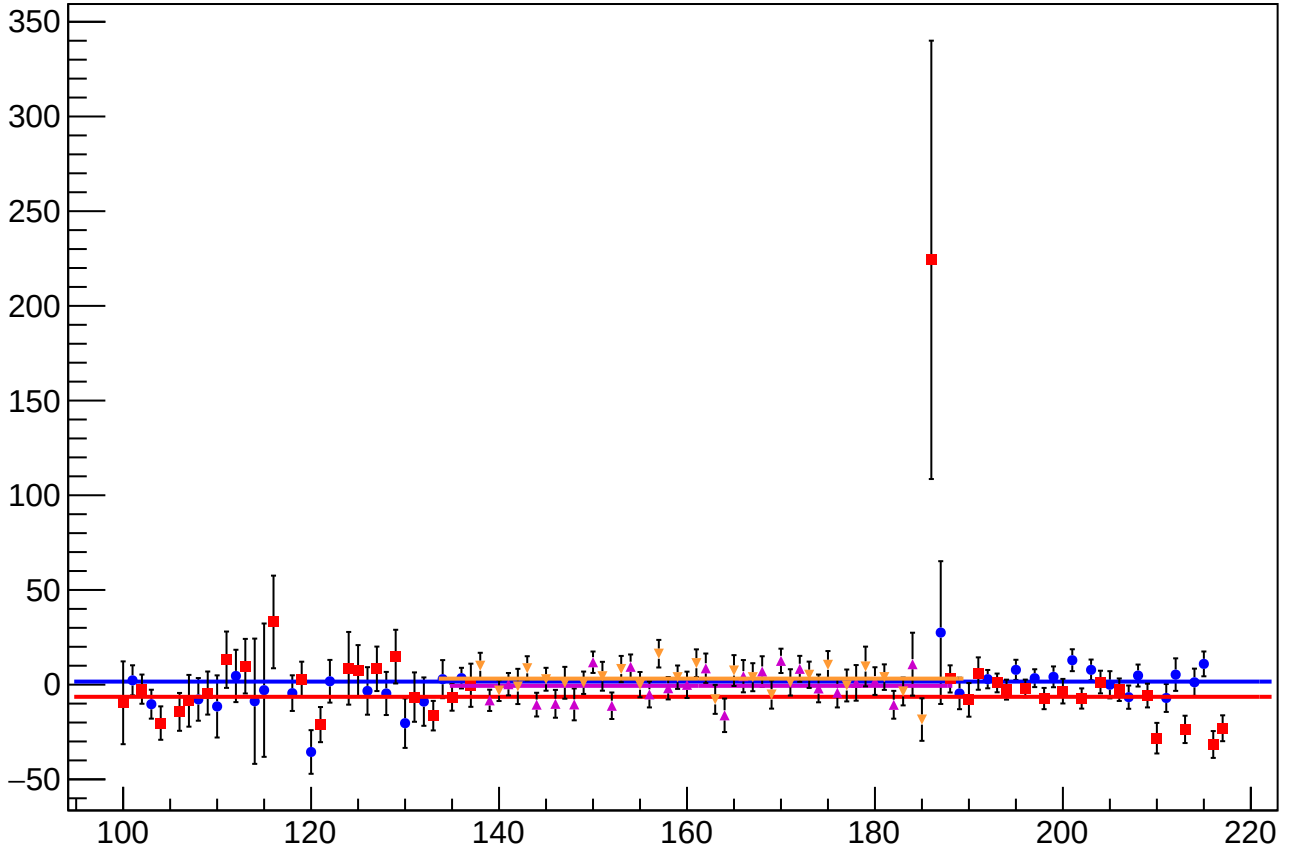
In: -2.080+/-1.783 χ^2/NDF:82.1/53

Out: -3.867+/-1.734 χ^2/NDF:125.8/60

All: -2.998+/-1.243 χ^2/NDF: 208.4/114


diff_bpm4ecX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15945.970+/-2.722 χ²/NDF: 3962298.4/30
Left Out: 8430.683+/-1.369 χ²/NDF:484653.2/24
Right Out: 16739.489+/-2.753 χ²/NDF: 4180934.1/35
Left In: 8545.534+/-1.423 χ²/NDF:389747.0/22
Left: 8485.892+/-0.987 χ²/NDF: 877783.2/47
Right: 16338.146+/-1.936 χ²/NDF: 8185248.1/66
In: 10134.298+/-1.261 χ²/NDF:10158750.1/53
Out: 10077.942+/-1.226 χ²/NDF:11967736.1/60
All: 10105.324+/-0.879 χ²/NDF: 22127513.1

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: -6.422+/-1.317 χ^2/NDF: 65.3/35

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

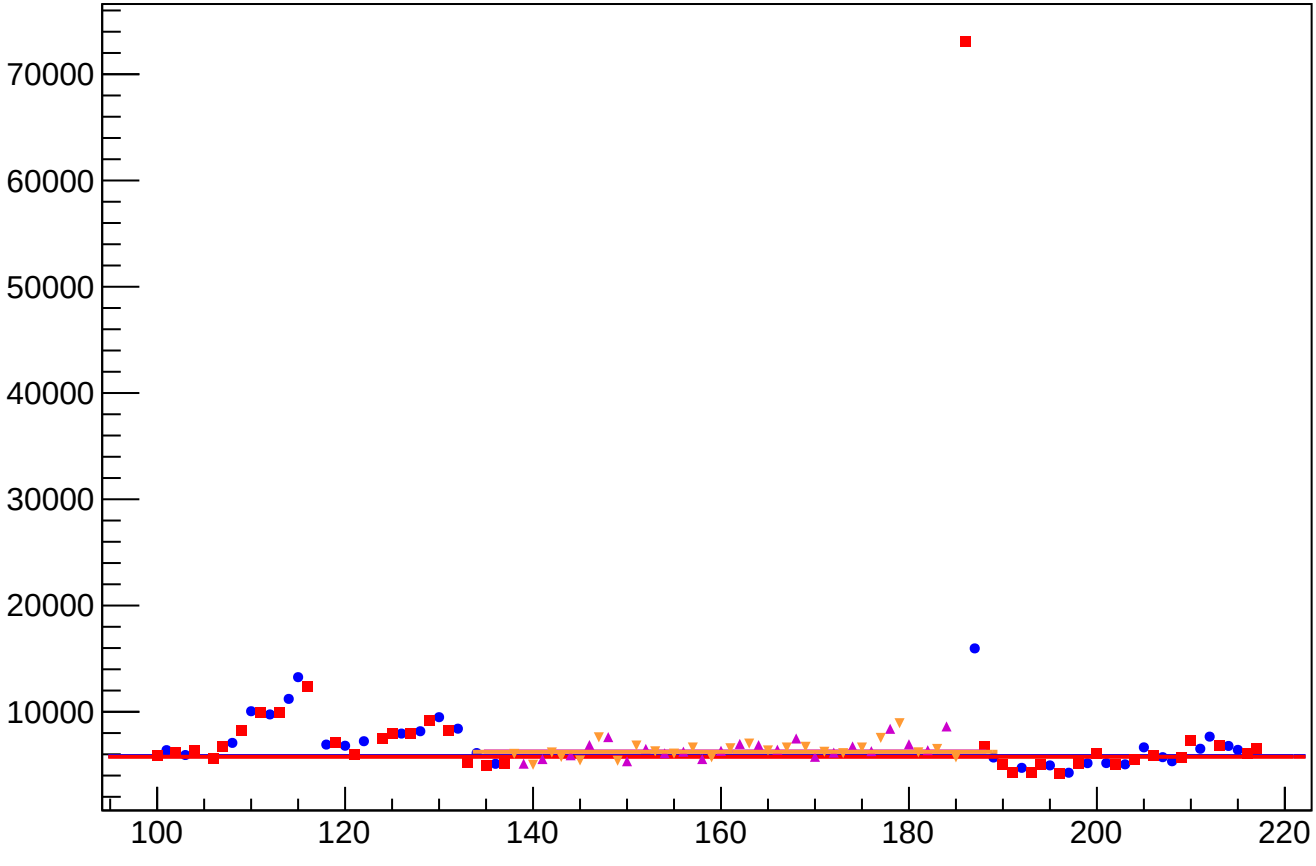
Right: -2.564+/-0.949 χ^2/NDF: 115.7/66

In: 0.577+/-1.006 χ^2/NDF:65.6/53

Out: -2.031+/-0.970 χ^2/NDF:108.3/60

All: -0.774+/-0.698 χ^2/NDF: 177.4/114

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: 5766.648+/-0.931 χ^2/NDF: 2442212.7/35

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

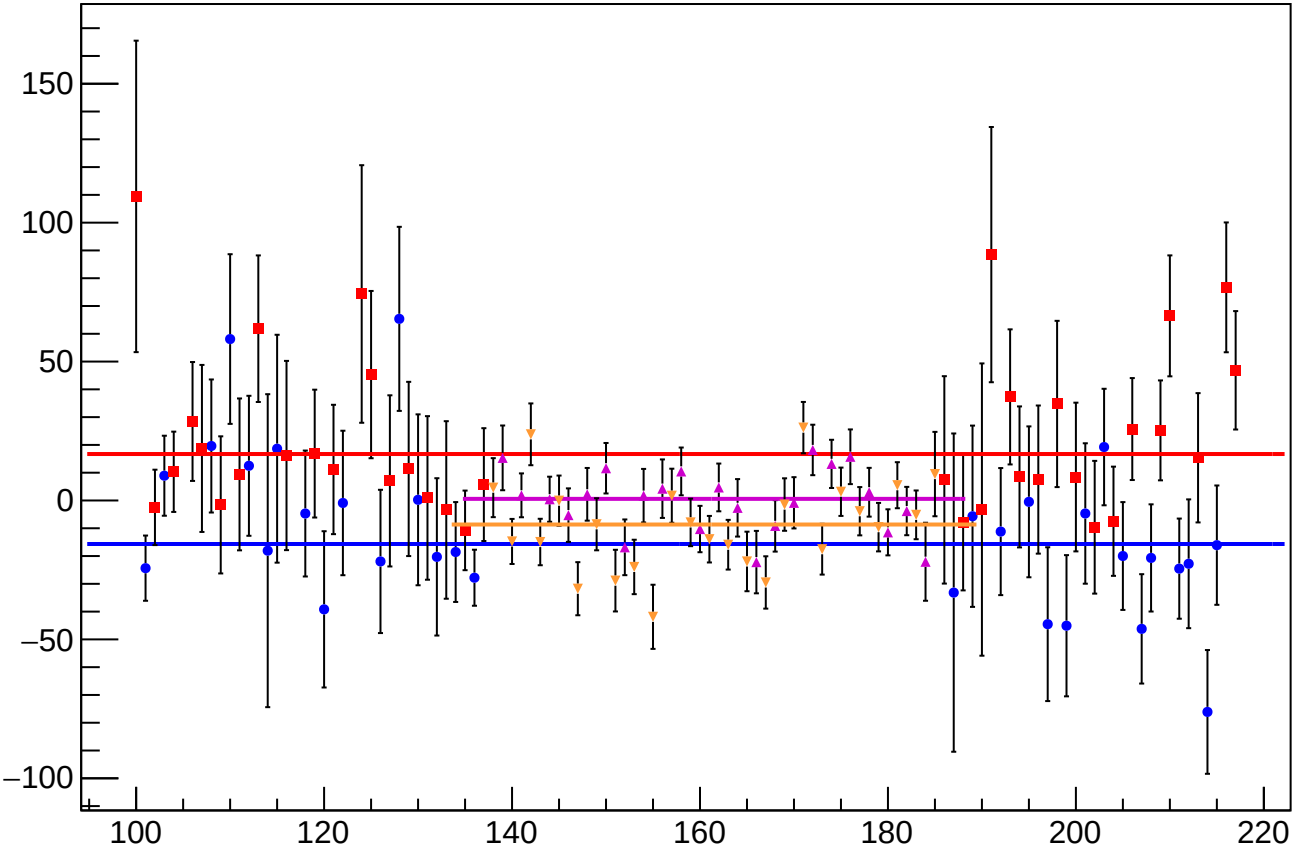
Right: 5800.202+/-0.671 χ^2/NDF: 4224887.9/66

In: 6035.444+/-0.711 χ^2/NDF:2395862.3/53

Out: 5982.070+/-0.686 χ^2/NDF:3067088.6/60

All: 6007.792+/-0.494 χ^2/NDF: 5465868.9/11

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: 16.723+/-3.931 χ^2/NDF: 38.2/35

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

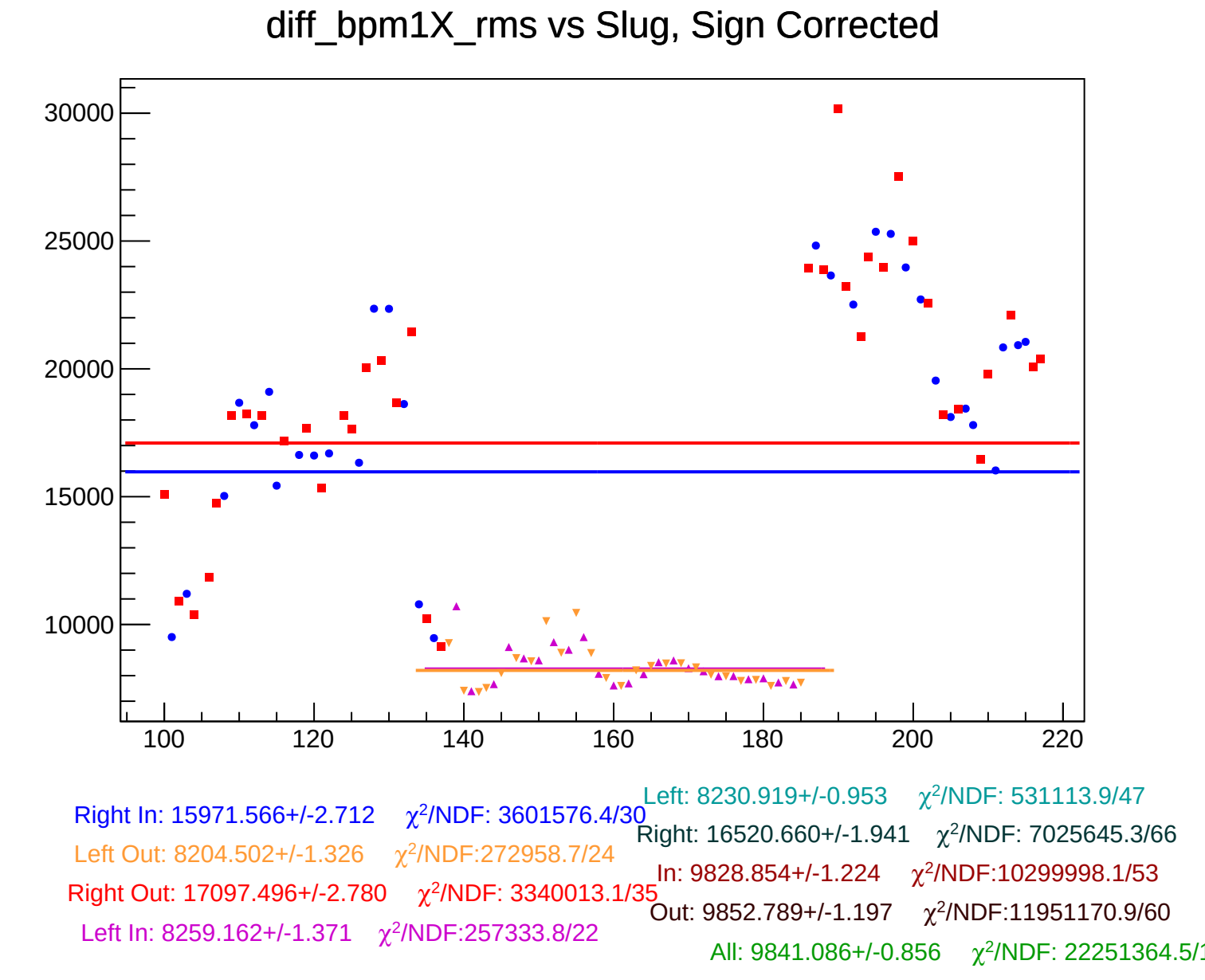
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: 0.130+/-2.745 χ^2/NDF: 111.6/66

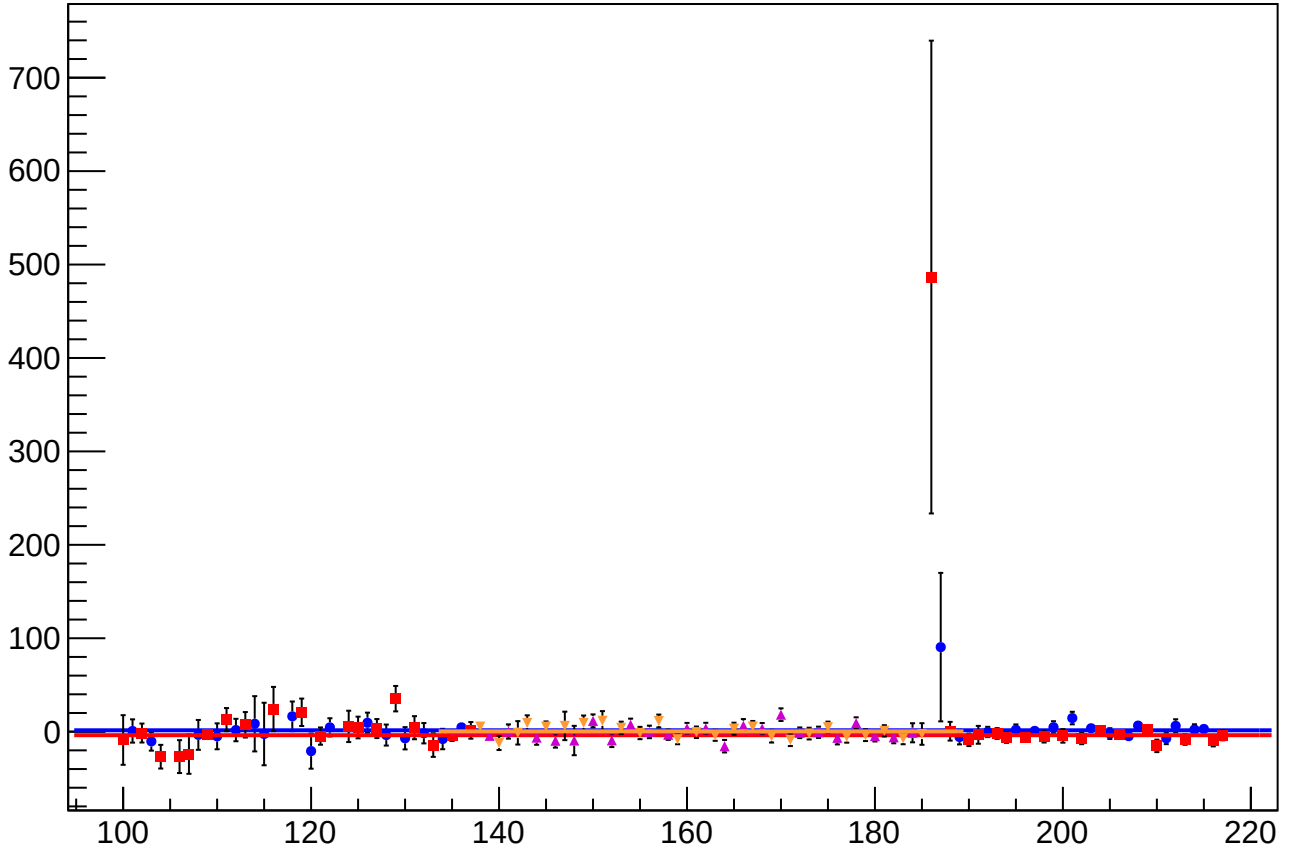
In: -2.724+/-1.730 χ^2/NDF:81.4/53

Out: -3.948+/-1.692 χ^2/NDF:135.1/60

All: -3.349+/-1.210 χ^2/NDF: 216.8/114


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15971.566+/-2.712 χ²/NDF: 3601576.4/30
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 17097.496+/-2.780 χ²/NDF: 3340013.1/35
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 16520.660+/-1.941 χ²/NDF: 7025645.3/66
In: 9828.854+/-1.224 χ²/NDF:10299998.1/53
Out: 9852.789+/-1.197 χ²/NDF:11951170.9/60
All: 9841.086+/-0.856 χ²/NDF: 22251364.5/

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: -3.761+/-1.260 χ^2/NDF: 35.9/35

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

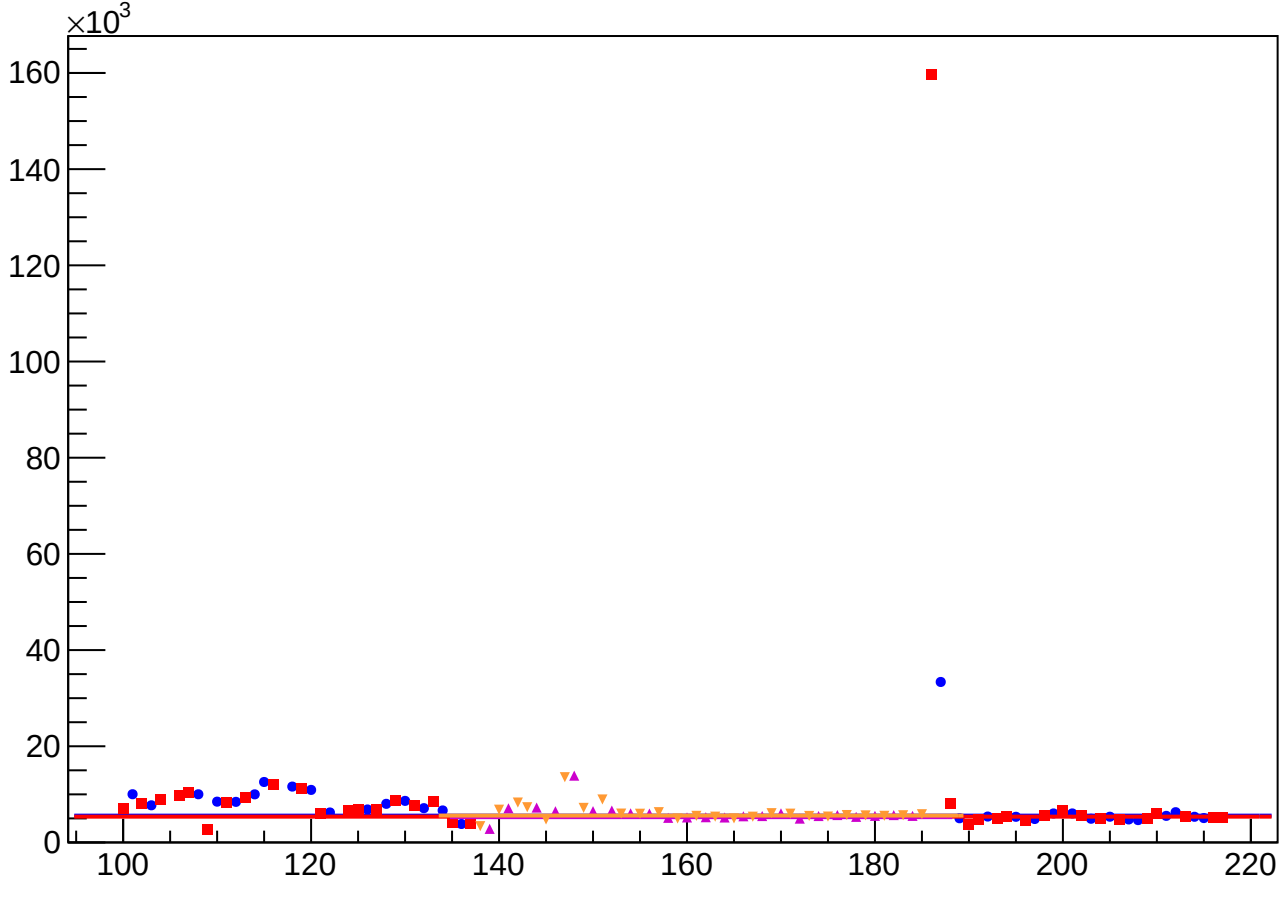
Right: -1.273+/-0.913 χ^2/NDF: 62.7/66

In: 0.354+/-0.924 χ^2/NDF:50.0/53

Out: -1.802+/-0.912 χ^2/NDF:62.5/60

All: -0.738+/-0.649 χ^2/NDF: 115.2/114

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: 5366.778+/-0.891 χ^2/NDF: 3820047.3/35

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

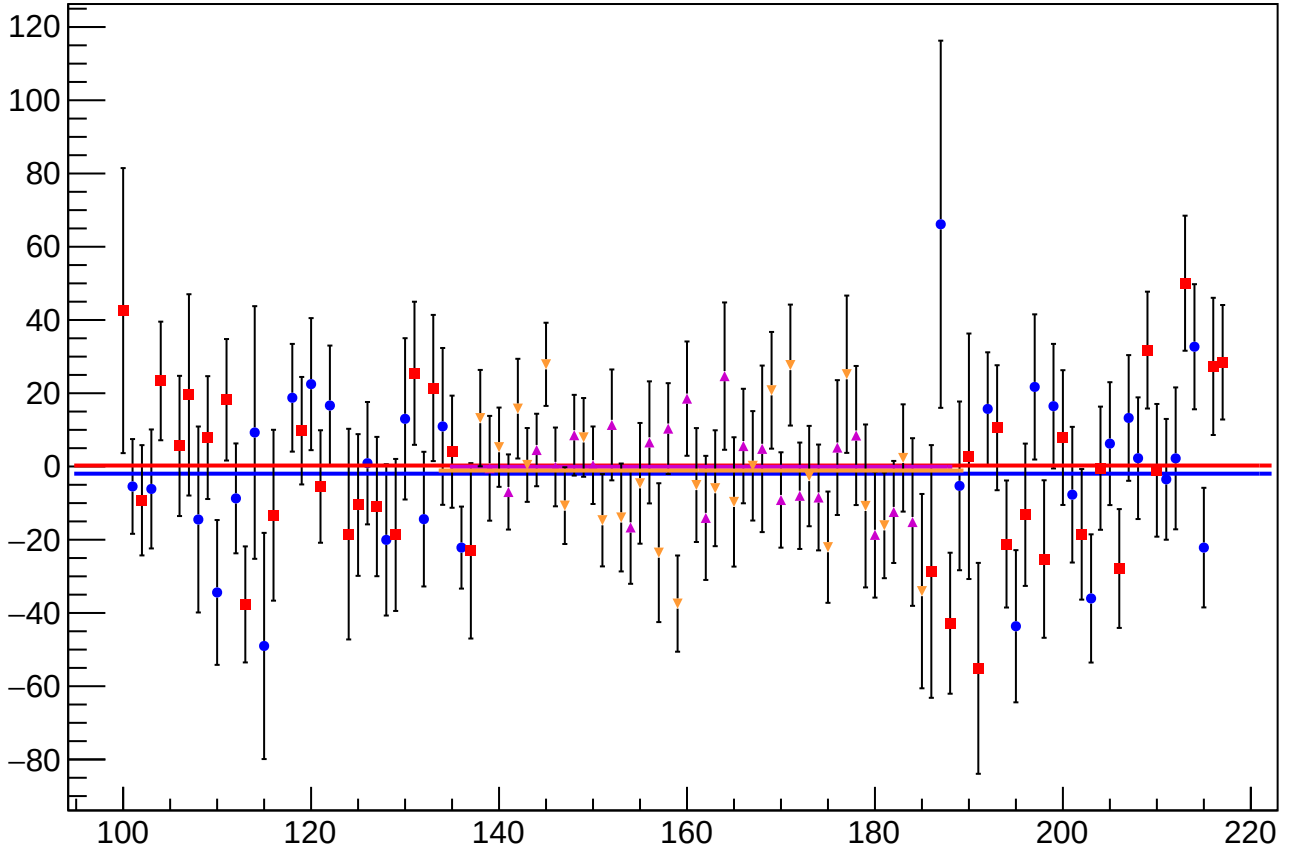
Right: 5466.453+/-0.646 χ^2/NDF: 6325272.7/66

In: 5415.654+/-0.654 χ^2/NDF:4962060.2/53

Out: 5475.246+/-0.645 χ^2/NDF:5635403.0/60

All: 5445.850+/-0.459 χ^2/NDF: 10601674.4/1

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: 0.259+/-3.125 χ^2/NDF: 51.9/35

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

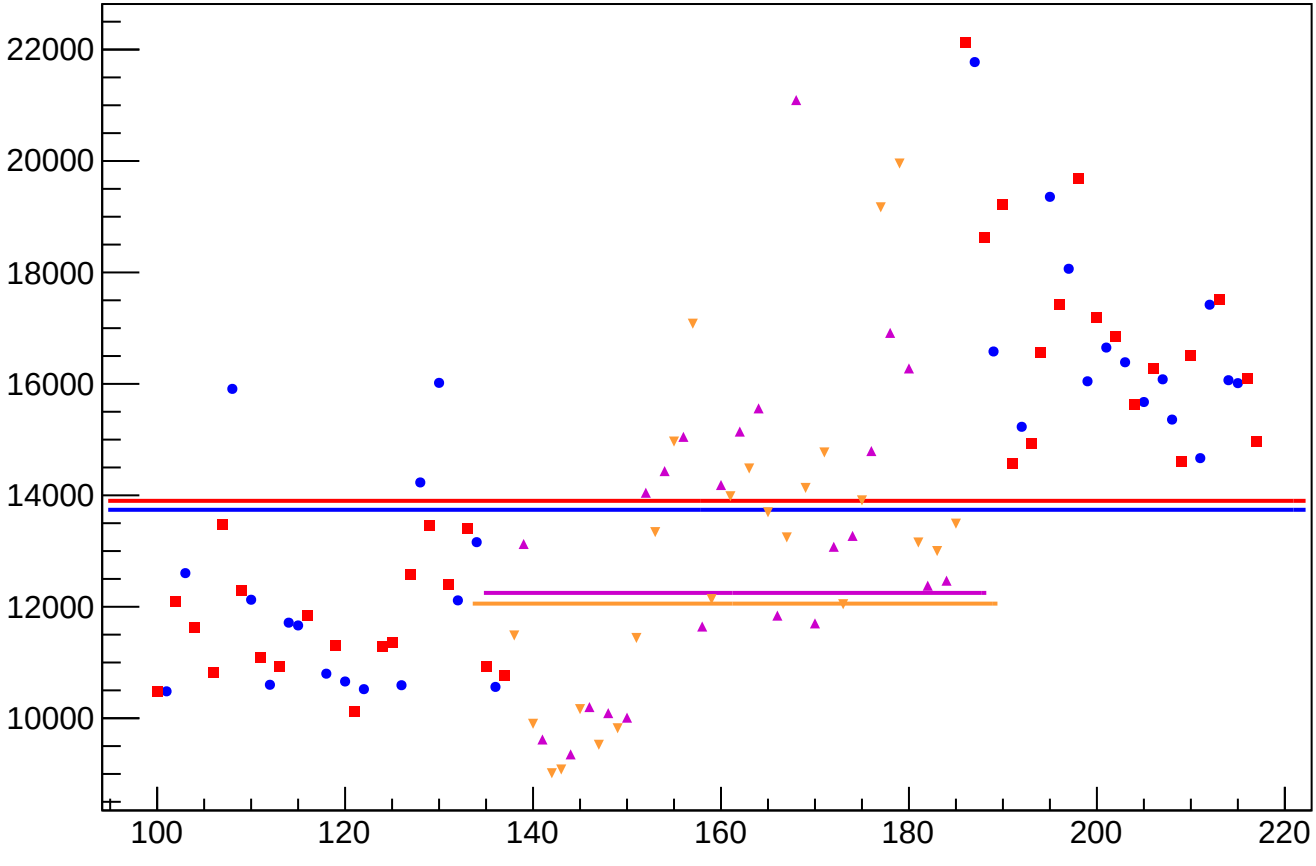
Right: -0.827+/-2.235 χ^2/NDF: 88.8/66

In: -0.941+/-2.159 χ^2/NDF:48.3/53

Out: -0.498+/-2.091 χ^2/NDF:85.8/60

All: -0.712+/-1.502 χ^2/NDF: 134.1/114

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 13740.435+/-2.261 χ^2/NDF: 1466249.7/30

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13901.300+/-2.209 χ^2/NDF: 1559095.5/35

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

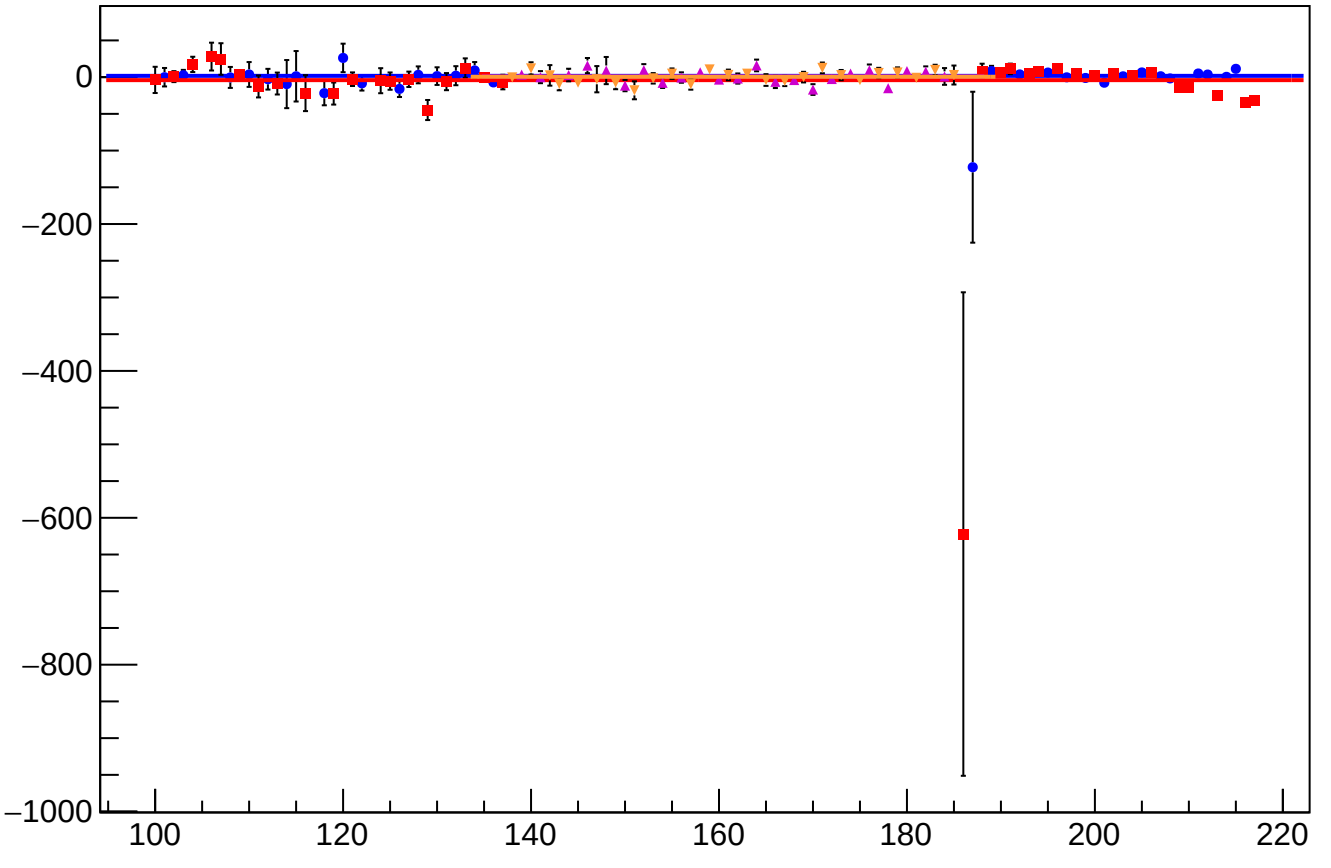
Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

Right: 13822.734+/-1.580 χ^2/NDF: 3027934.3/66

In: 12928.763+/-1.527 χ^2/NDF:3119007.2/53

Out: 12882.507+/-1.478 χ^2/NDF:3505814.4/60

All: 12904.892+/-1.062 χ^2/NDF: 6625295.4/1



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: -4.092+/-1.071 χ^2/NDF: 183.2/35

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

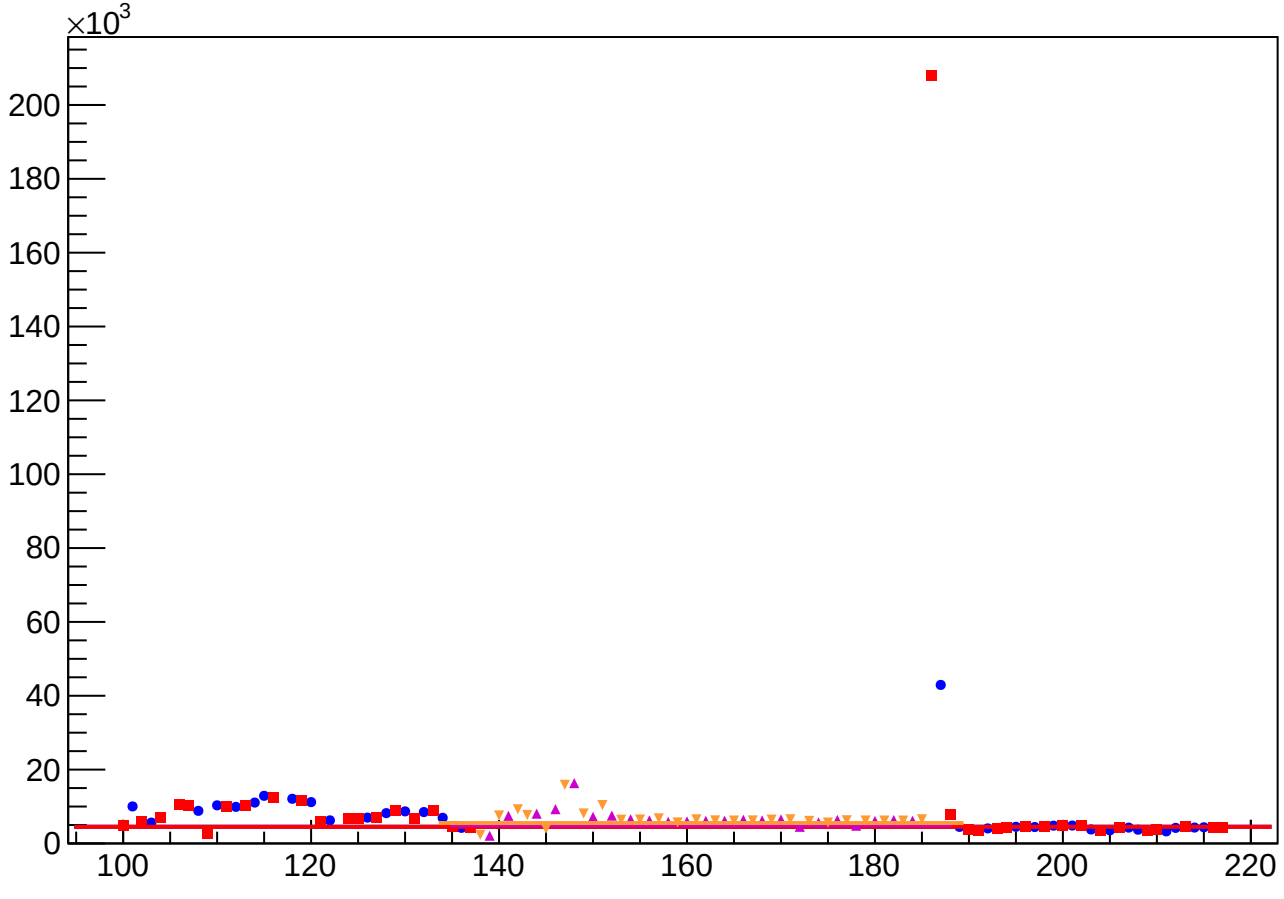
Right: -1.244+/-0.767 χ^2/NDF: 224.3/66

In: 1.411+/-0.837 χ^2/NDF:59.0/53

Out: -2.337+/-0.844 χ^2/NDF:211.7/60

All: -0.449+/-0.594 χ^2/NDF: 280.6/114

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: 4502.708+/-0.758 χ^2/NDF: 4240330.3/35

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

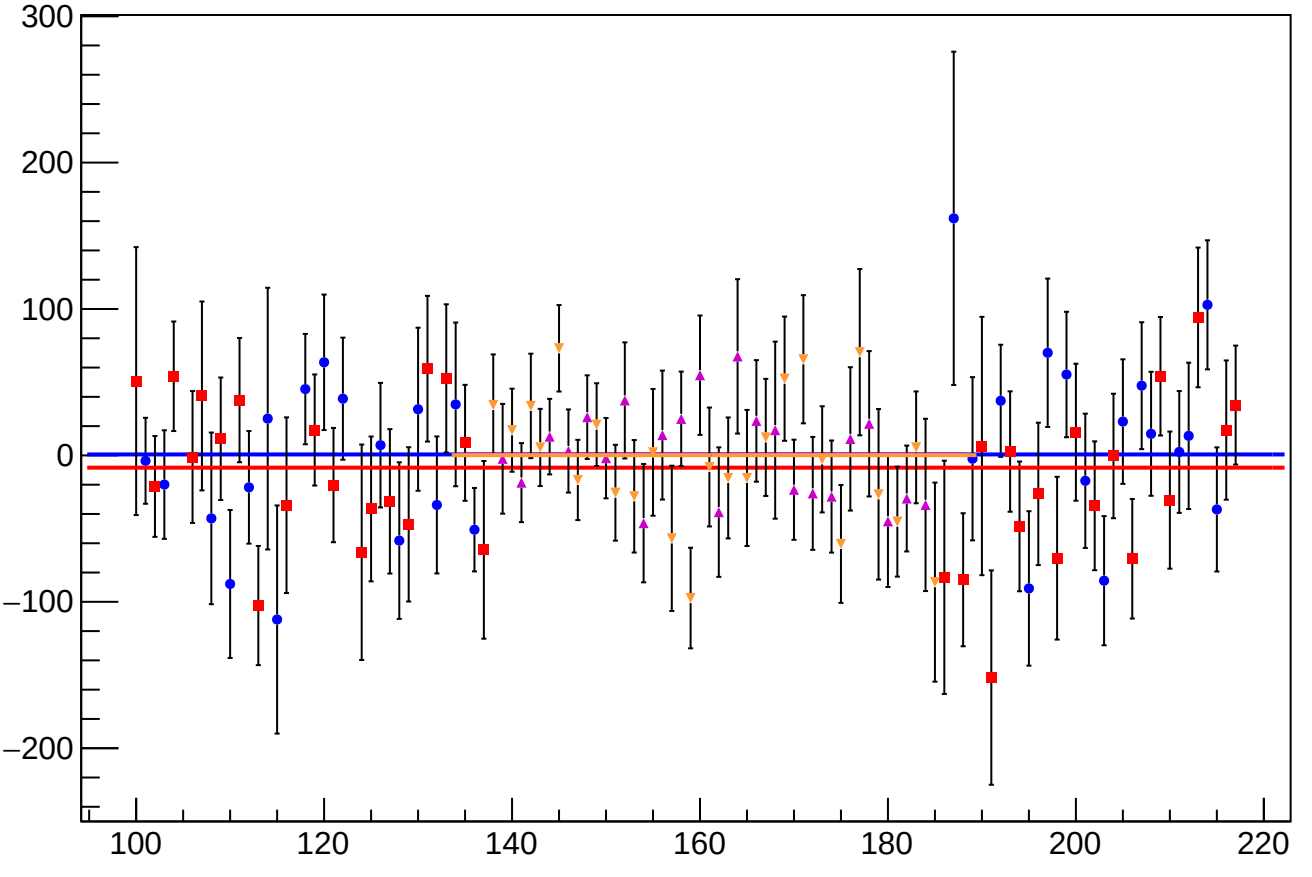
Right: 4517.573+/-0.542 χ^2/NDF: 7966916.4/66

In: 4704.225+/-0.592 χ^2/NDF:9777952.9/53

Out: 4892.266+/-0.597 χ^2/NDF:9311859.5/60

All: 4797.520+/-0.420 χ^2/NDF: 19139870.8/1

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: -8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

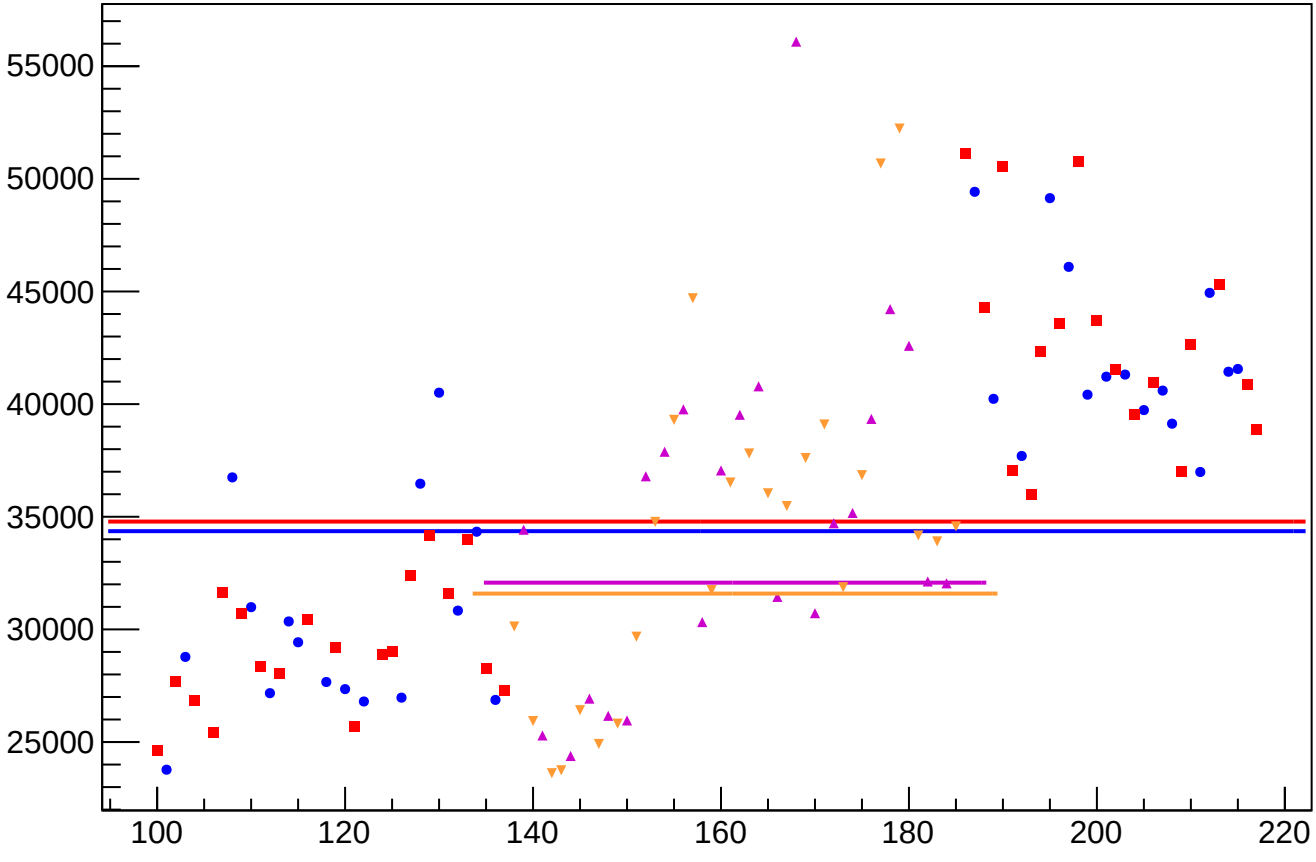
Right: -3.958+/-5.599 χ^2/NDF: 77.0/66

In: 0.623+/-5.540 χ^2/NDF:50.3/53

Out: -3.845+/-5.367 χ^2/NDF:70.7/60

All: -1.682+/-3.855 χ^2/NDF: 121.3/114

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 34360.771+/-5.666 χ^2/NDF: 1588783.8/30

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34786.645+/-5.534 χ^2/NDF: 1641758.2/35

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

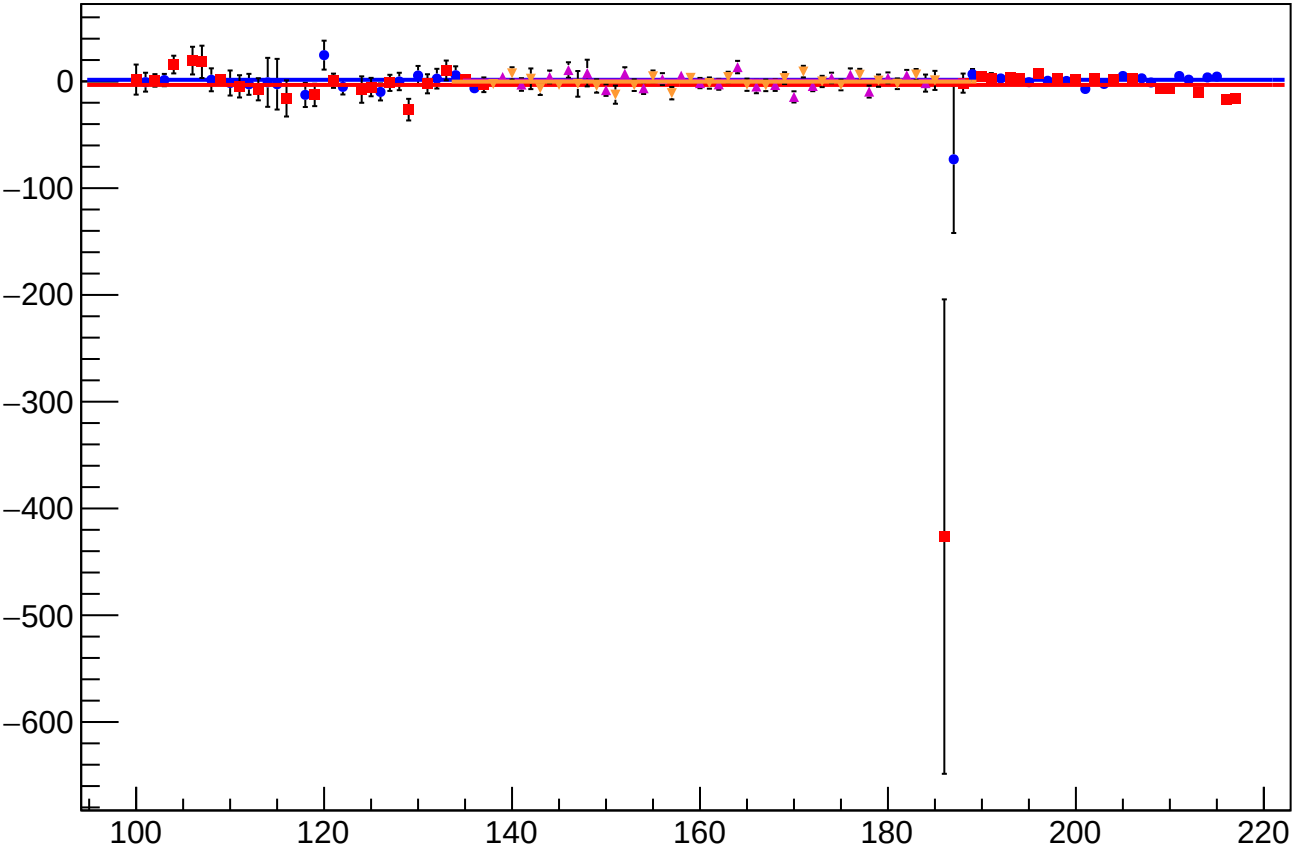
Right: 34578.723+/-3.959 χ^2/NDF: 3233433.1/66

In: 33167.476+/-3.917 χ^2/NDF:3129452.6/53

Out: 33093.302+/-3.795 χ^2/NDF:3409367.5/60

All: 33129.218+/-2.726 χ^2/NDF: 6539005.1/1

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.481+/-0.634 χ^2/NDF: 37.0/30

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -3.307+/-0.645 χ^2/NDF: 155.2/35

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

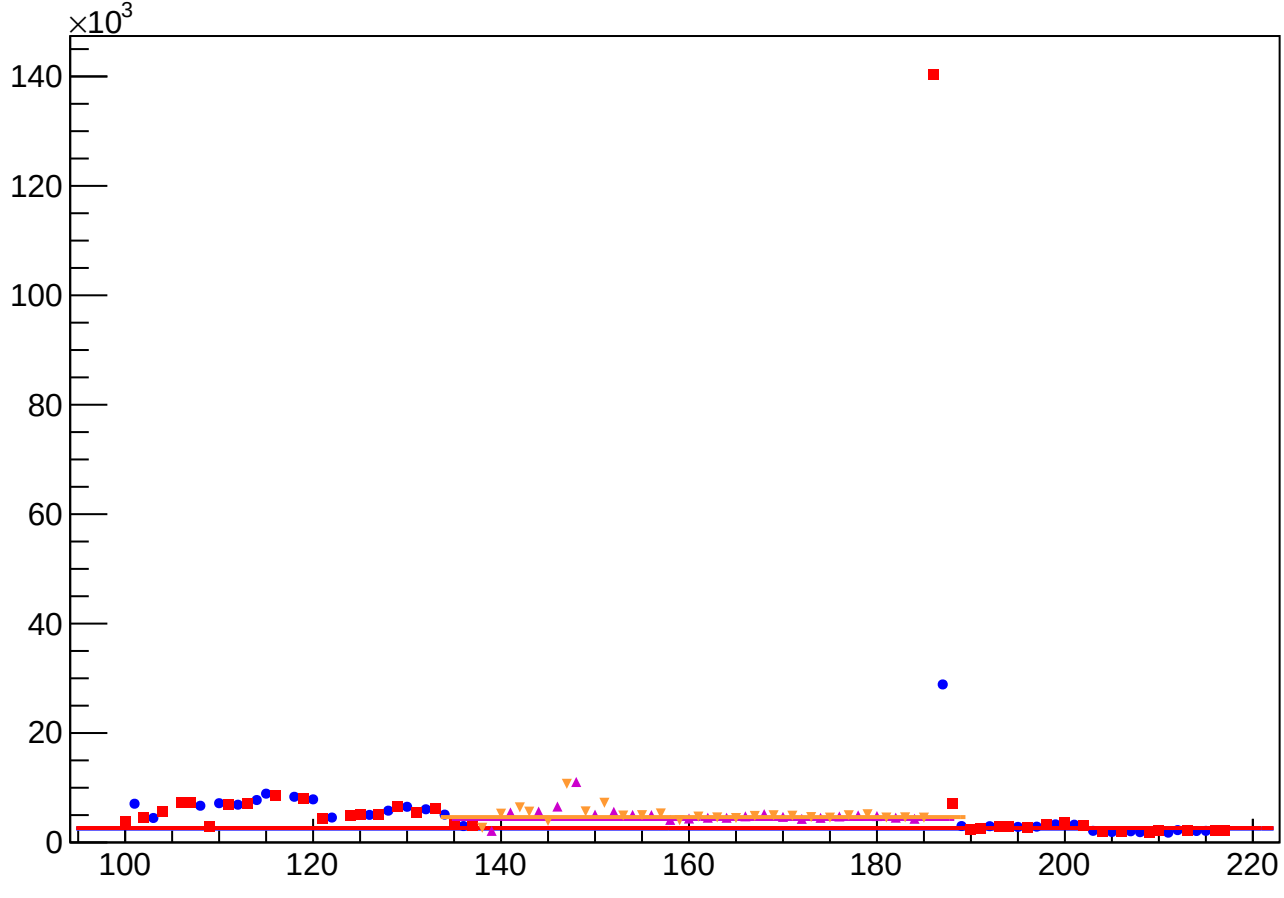
Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

Right: -0.874+/-0.452 χ^2/NDF: 220.2/66

In: 1.298+/-0.544 χ^2/NDF:71.0/53

Out: -2.512+/-0.556 χ^2/NDF:181.0/60

All: -0.568+/-0.389 χ^2/NDF: 276.0/114



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: 2638.809+/-0.456 χ^2/NDF: 6489395.8/35

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

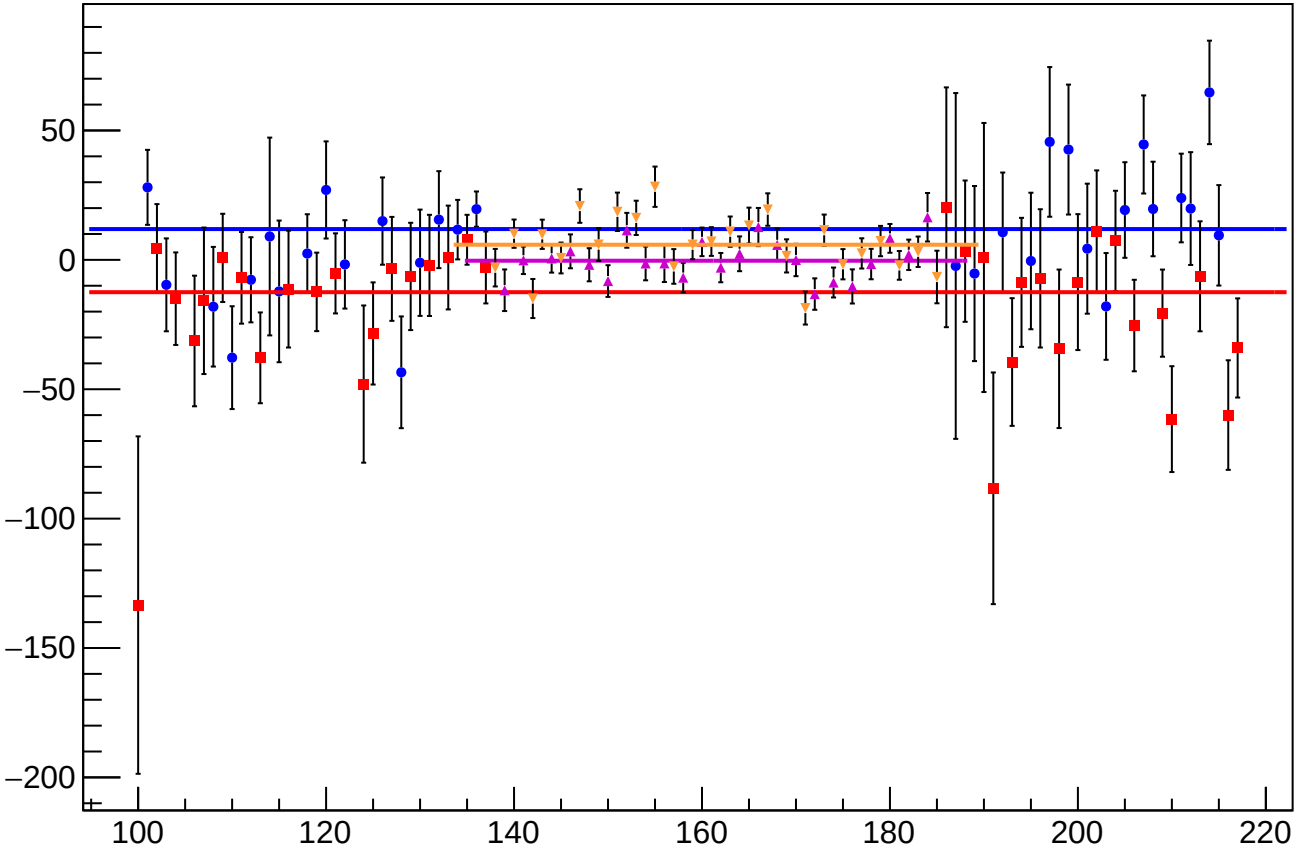
Right: 2584.327+/-0.320 χ^2/NDF: 12528204.0/66

In: 2996.235+/-0.385 χ^2/NDF:13178507.2/53

Out: 3154.274+/-0.393 χ^2/NDF:13206482.9/60

All: 3073.655+/-0.275 χ^2/NDF: 26467552.7/

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 11.896+/-3.178 χ^2/NDF: 39.3/30

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -12.493+/-3.332 χ^2/NDF: 36.5/35

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

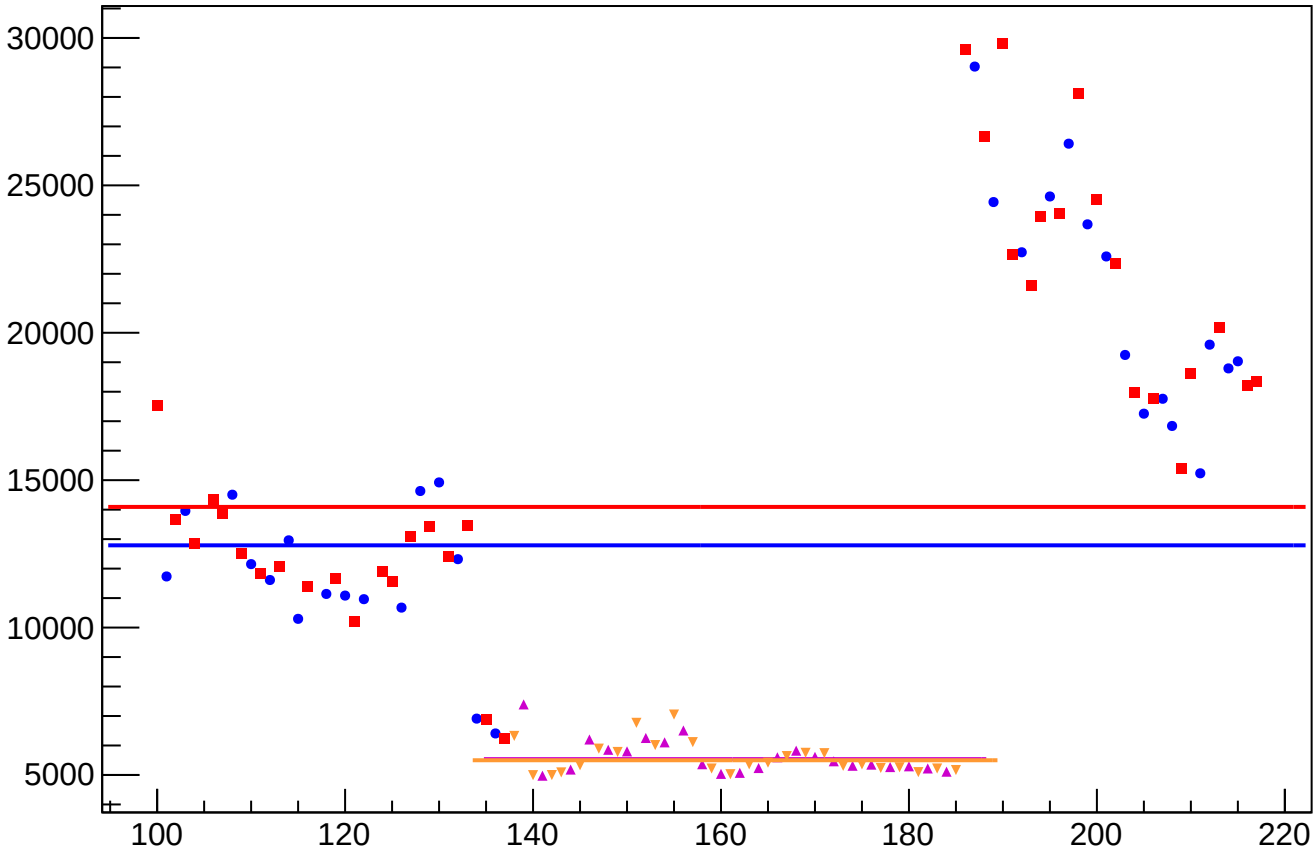
Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

Right: 0.279+/-2.299 χ^2/NDF: 103.8/66

In: 1.419+/-1.204 χ^2/NDF:81.4/53

Out: 3.562+/-1.176 χ^2/NDF:123.0/60

All: 2.515+/-0.841 χ^2/NDF: 206.0/114



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: 14092.718+/-2.356 χ^2/NDF: 5394141.2/35

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

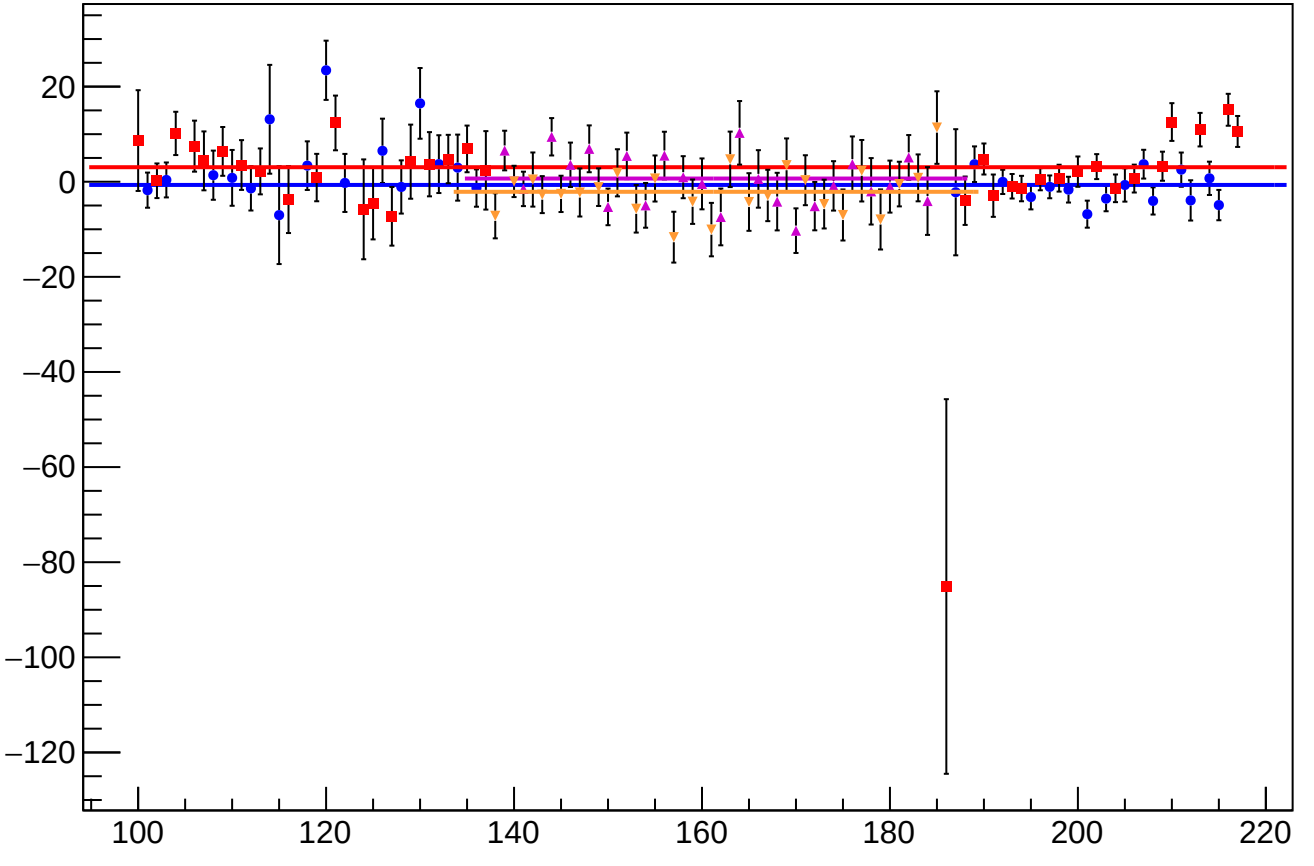
Right: 13410.253+/-1.626 χ^2/NDF: 11443137.6/66

In: 6578.620+/-0.851 χ^2/NDF:15114463.8/53

Out: 6570.640+/-0.832 χ^2/NDF:17338807.1/60

All: 6574.538+/-0.595 χ^2/NDF: 32453315.9/

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: 3.053+/-0.662 χ^2/NDF: 61.8/35

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

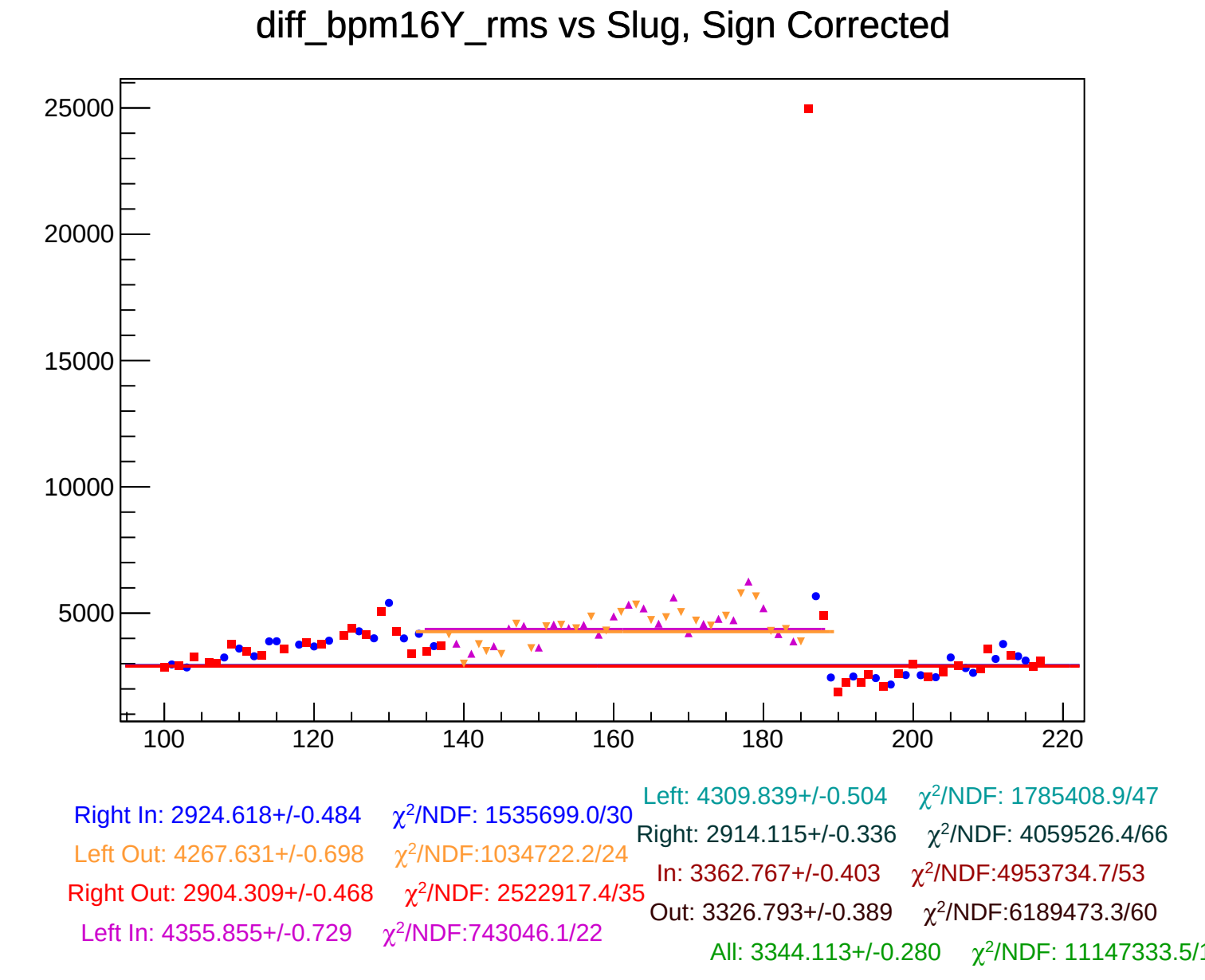
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 1.253+/-0.476 χ^2/NDF: 117.4/66

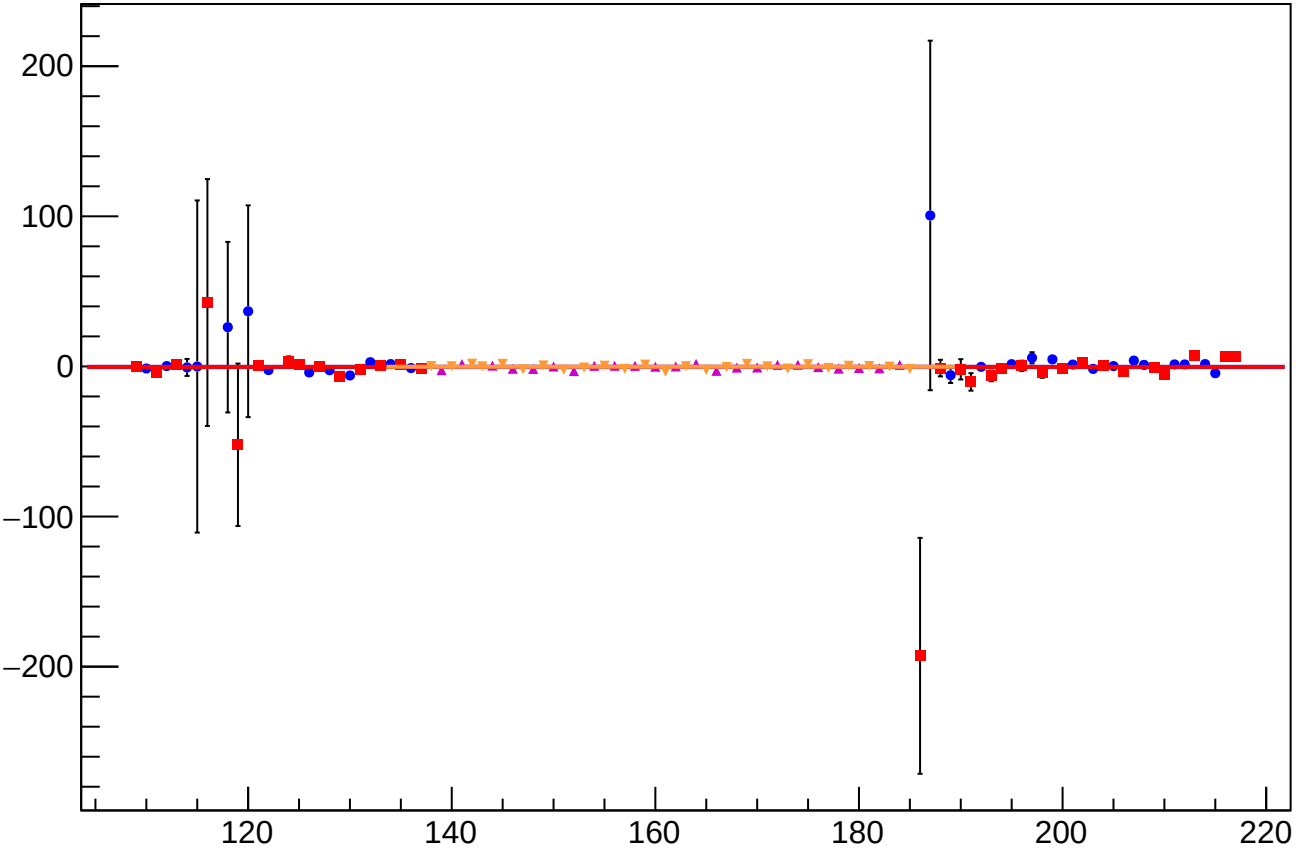
In: -0.263+/-0.570 χ^2/NDF:69.9/53

Out: 1.451+/-0.550 χ^2/NDF:98.2/60

All: 0.626+/-0.396 χ^2/NDF: 172.7/114


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 2924.618+/-0.484 χ²/NDF: 1535699.0/30
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 2904.309+/-0.468 χ²/NDF: 2522917.4/35
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2914.115+/-0.336 χ²/NDF: 4059526.4/66
In: 3362.767+/-0.403 χ²/NDF:4953734.7/53
Out: 3326.793+/-0.389 χ²/NDF:6189473.3/60
All: 3344.113+/-0.280 χ²/NDF: 11147333.5/1

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: -0.321+/-0.507 χ^2/NDF: 57.3/30

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

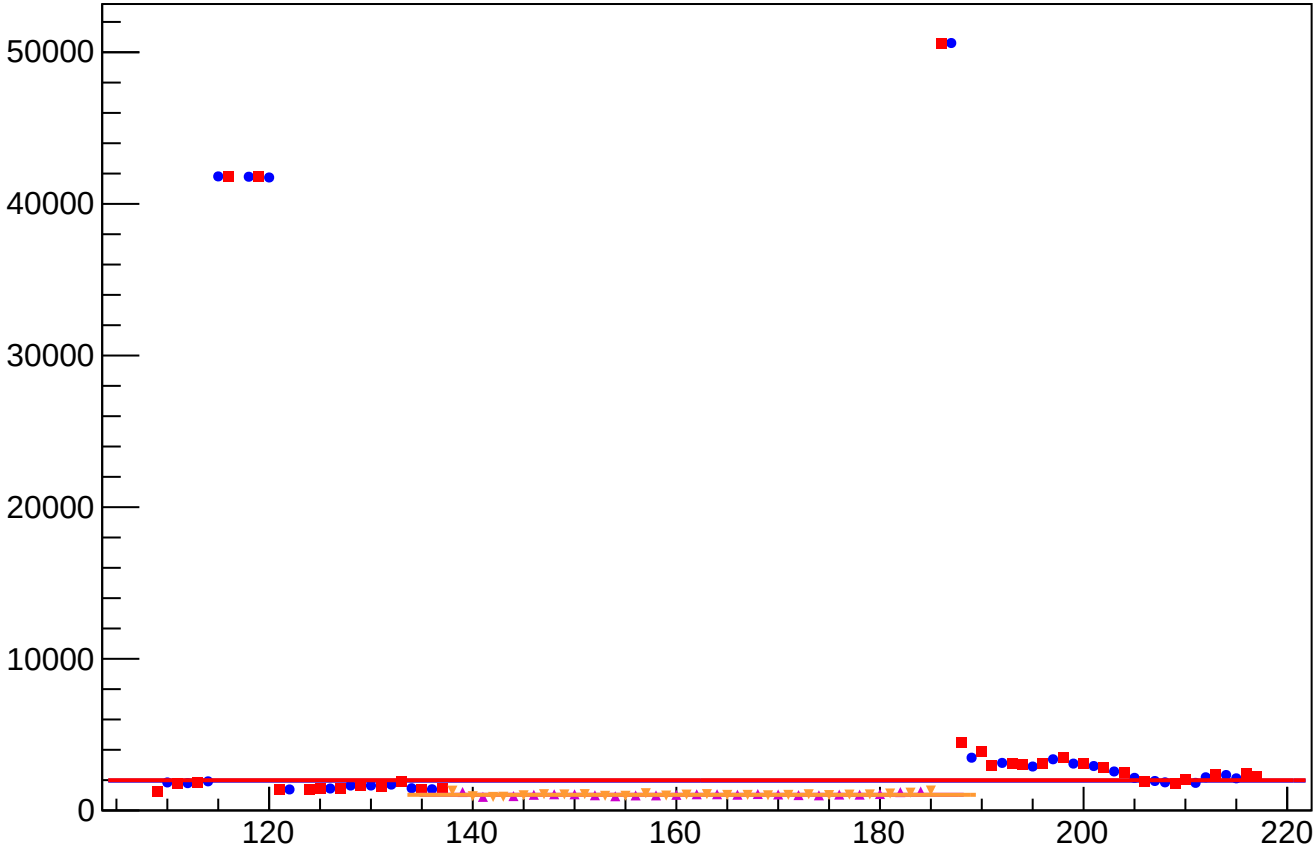
Right: -0.308+/-0.357 χ^2/NDF: 88.9/58

In: -0.326+/-0.218 χ^2/NDF:61.0/50

Out: -0.222+/-0.214 χ^2/NDF:91.3/55

All: -0.273+/-0.153 χ^2/NDF: 152.5/106

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: 1994.644+/-0.358 χ^2/NDF: 5493941.8/30

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

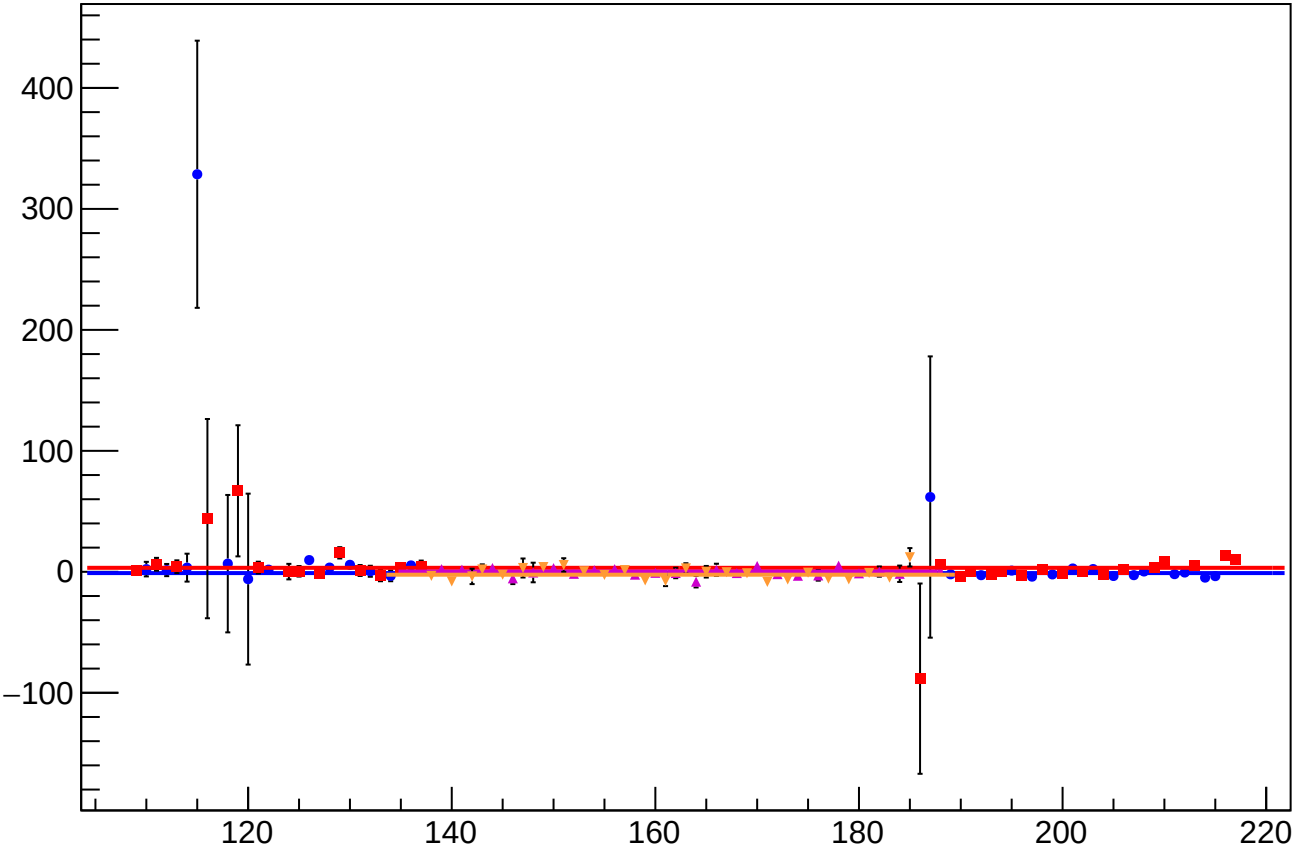
Right: 1979.625+/-0.253 χ^2/NDF: 9975568.6/58

In: 1207.783+/-0.154 χ^2/NDF:10230580.4/50

Out: 1202.483+/-0.151 χ^2/NDF:11677787.7/55

All: 1205.076+/-0.108 χ^2/NDF: 21908970.6/

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: 3.311+/-0.436 χ^2/NDF: 125.6/30

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

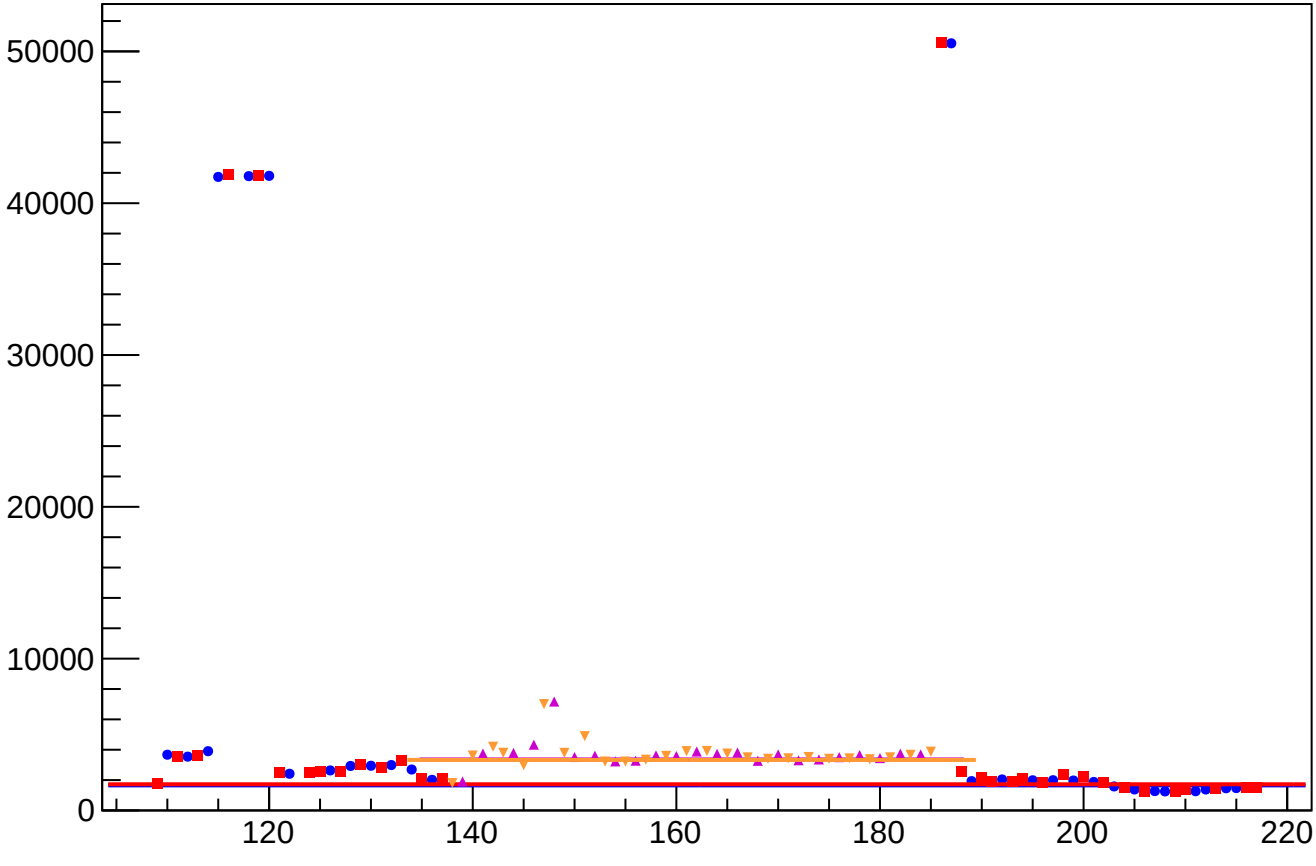
Right: 1.080+/-0.305 χ^2/NDF: 232.2/58

In: -0.782+/-0.377 χ^2/NDF:70.0/50

Out: 1.961+/-0.381 χ^2/NDF:190.3/55

All: 0.575+/-0.268 χ^2/NDF: 286.4/106

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: 1724.850+/-0.308 χ^2/NDF: 4818865.8/30

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

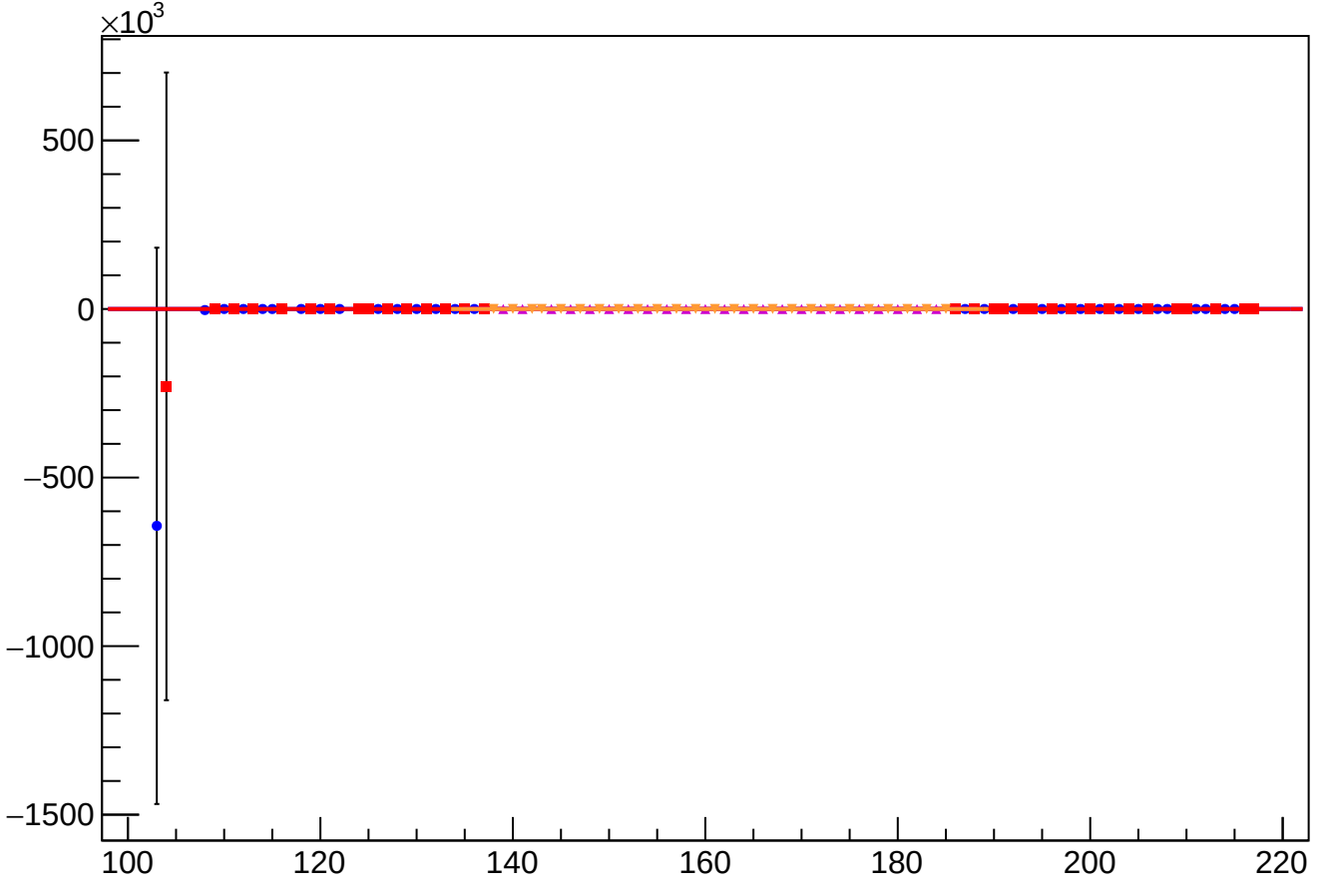
Right: 1687.357+/-0.215 χ^2/NDF: 9536823.2/58

In: 2021.959+/-0.266 χ^2/NDF:13320725.6/50

Out: 2105.129+/-0.269 χ^2/NDF:13146914.1/55

All: 2063.103+/-0.189 χ^2/NDF: 26515827.0/1

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: 3.181+/-0.545 χ^2/NDF: 66.3/31

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

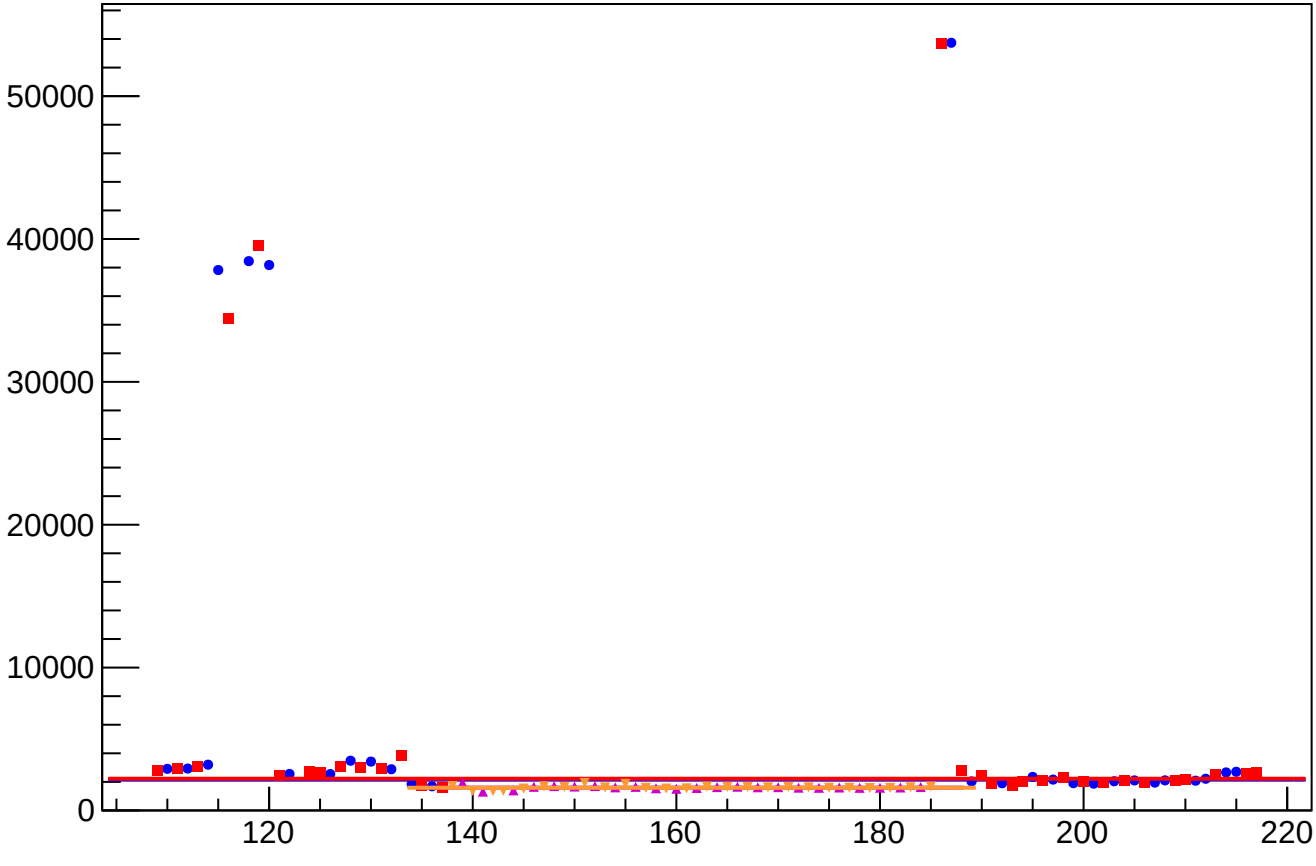
Right: 0.550+/-0.384 χ^2/NDF: 153.1/61

In: -0.677+/-0.308 χ^2/NDF:77.3/52

Out: -0.111+/-0.302 χ^2/NDF:169.3/56

All: -0.388+/-0.216 χ^2/NDF: 248.4/109

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: 2219.920+/-0.385 χ^2/NDF: 3370113.7/30

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

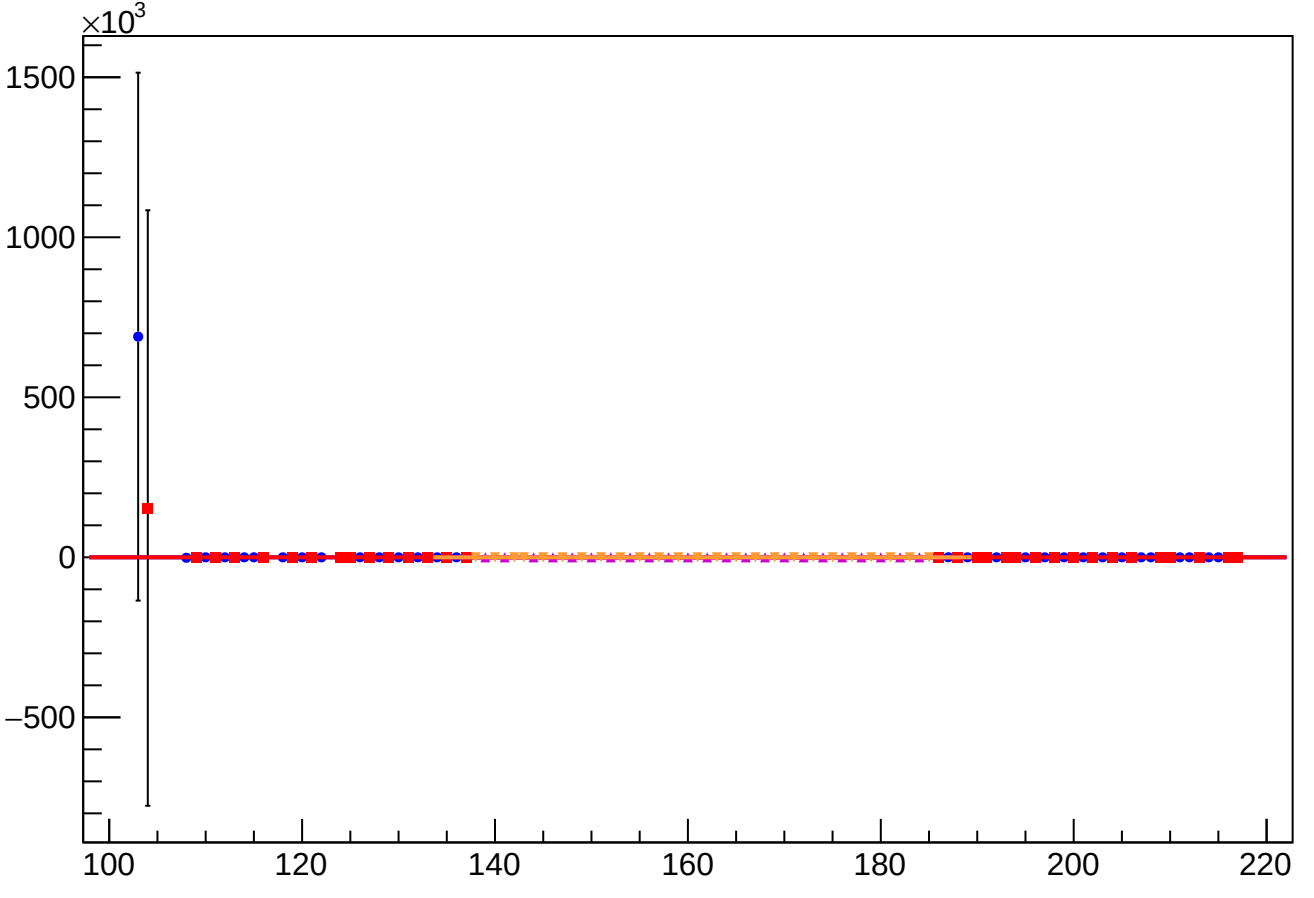
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2187.860+/-0.272 χ^2/NDF: 6523942.7/58

In: 1776.884+/-0.218 χ^2/NDF:4779978.5/50

Out: 1783.390+/-0.214 χ^2/NDF:5459013.6/55

All: 1780.203+/-0.153 χ^2/NDF: 10239446.8/1



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: 1.536+/-0.358 χ^2/NDF: 61.1/31

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

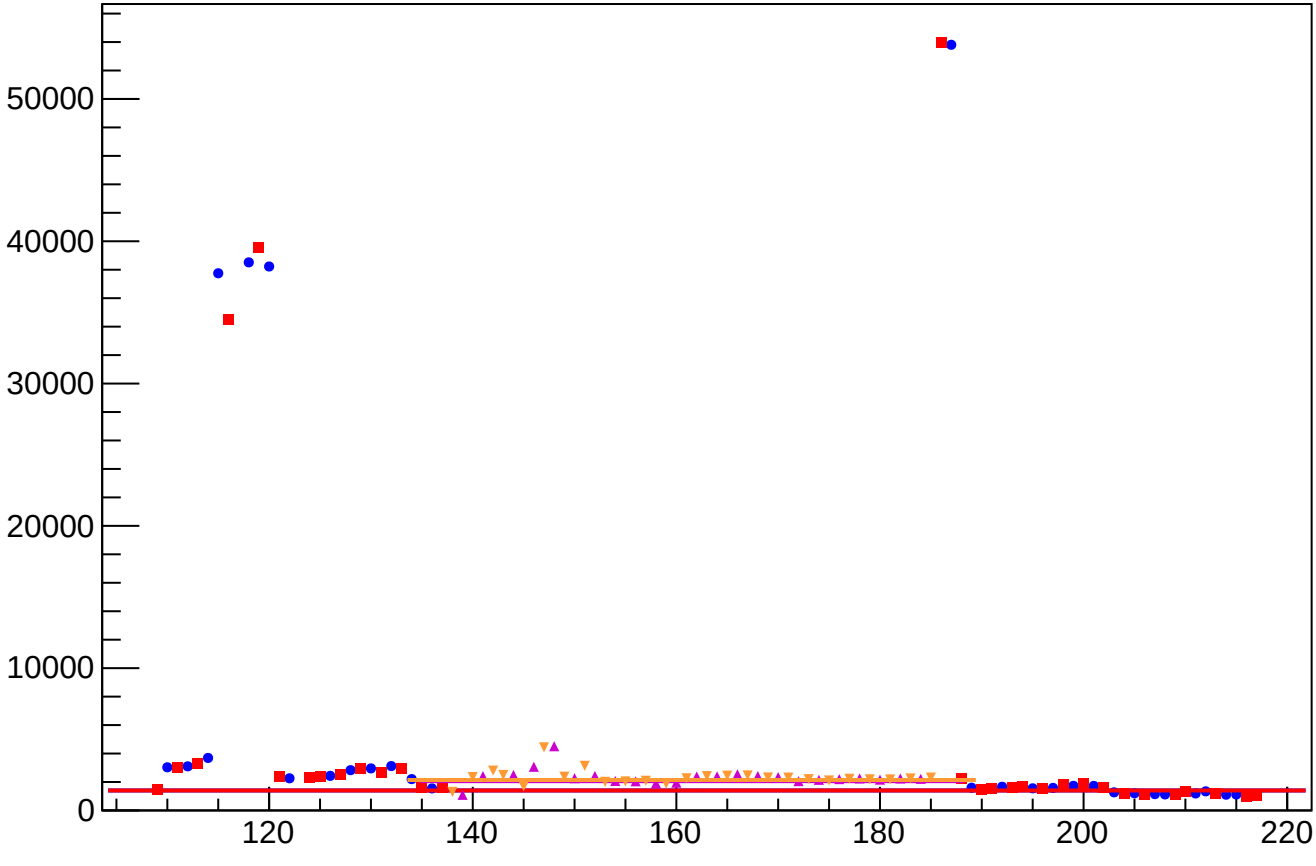
Right: 0.649+/-0.255 χ^2/NDF: 102.3/61

In: -0.215+/-0.294 χ^2/NDF:45.7/52

Out: 0.622+/-0.292 χ^2/NDF:104.9/56

All: 0.207+/-0.207 χ^2/NDF: 154.6/109

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: 1404.743+/-0.253 χ^2/NDF: 5306264.9/30

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

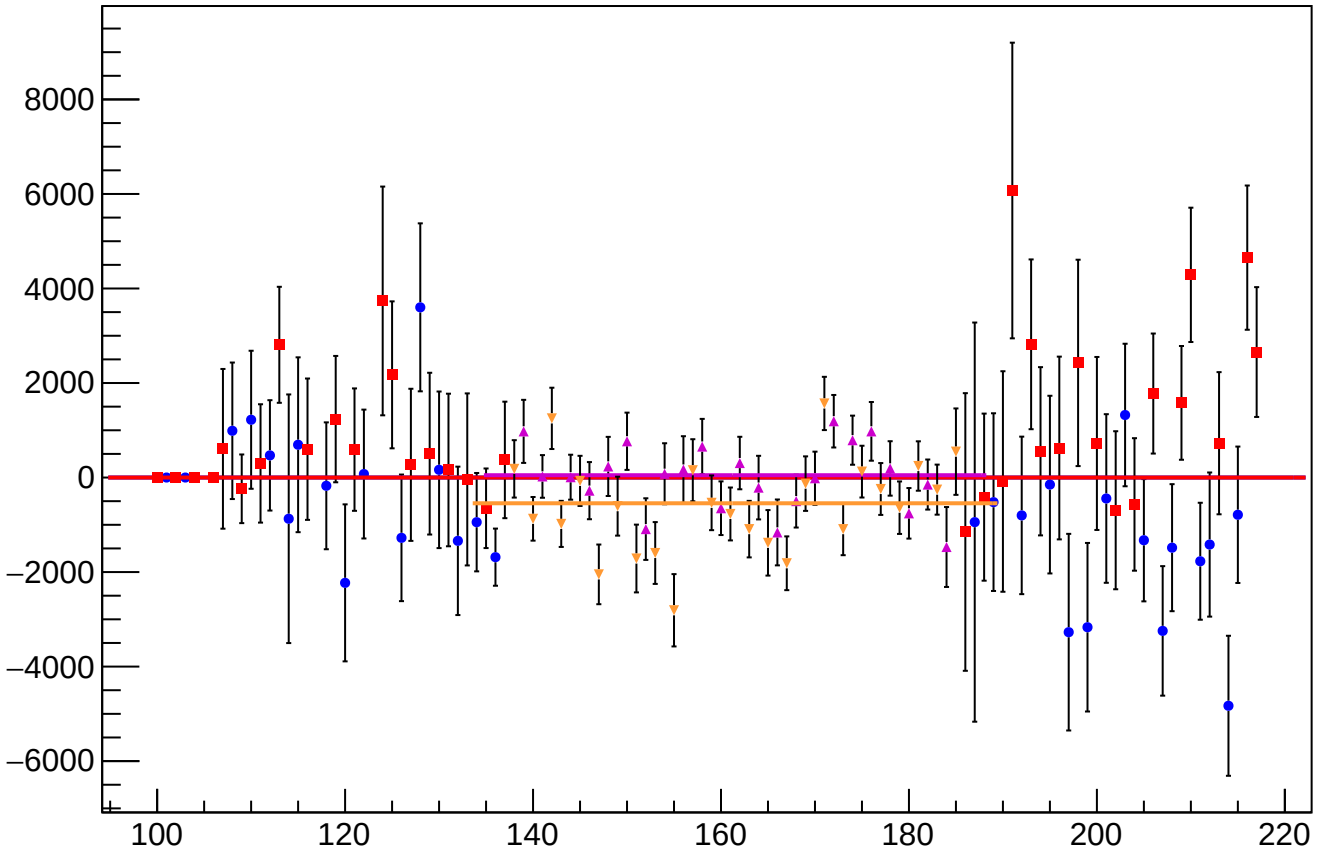
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1404.558+/-0.180 χ^2/NDF: 10134421.6/58

In: 1629.232+/-0.208 χ^2/NDF:9354520.4/50

Out: 1651.979+/-0.206 χ^2/NDF:9621419.3/55

All: 1640.700+/-0.146 χ^2/NDF: 18981977.5/1



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: 49.8/35

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

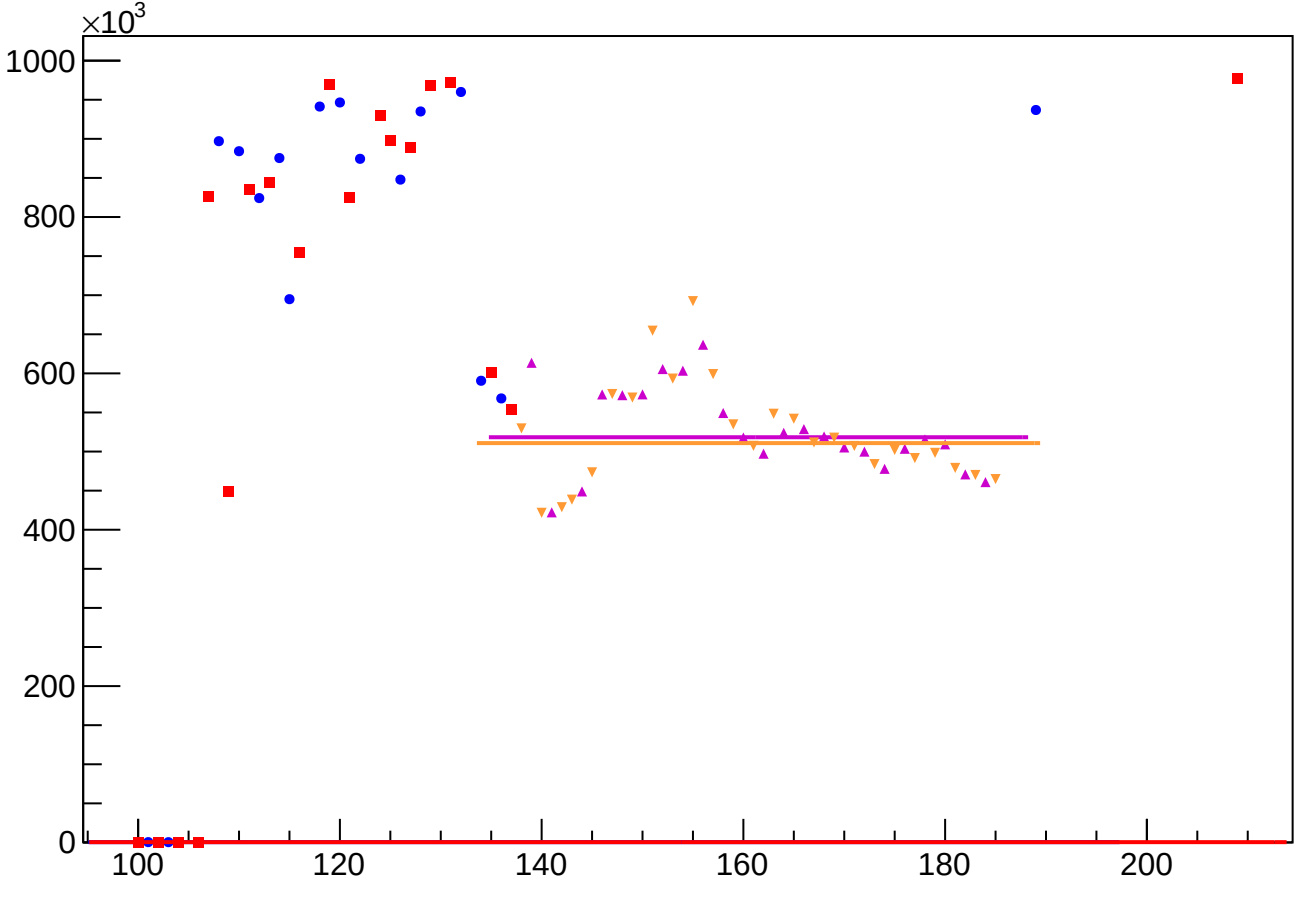
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 96.7/66

In: 0.255+/-0.356 χ^2/NDF:74.4/53

Out: -0.099+/-0.328 χ^2/NDF:132.3/60

All: 0.063+/-0.241 χ^2/NDF: 207.2/114



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

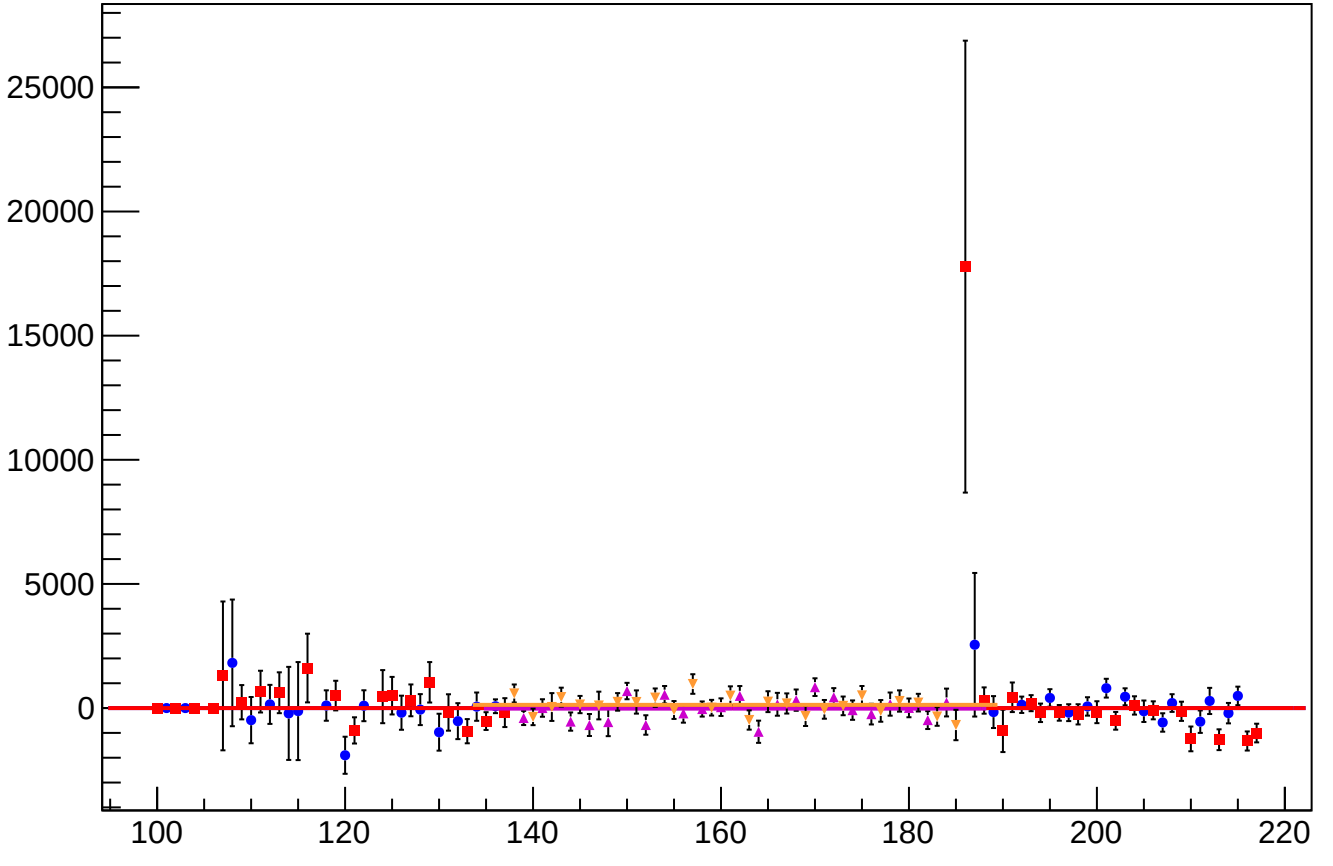
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

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: 59.2/35

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

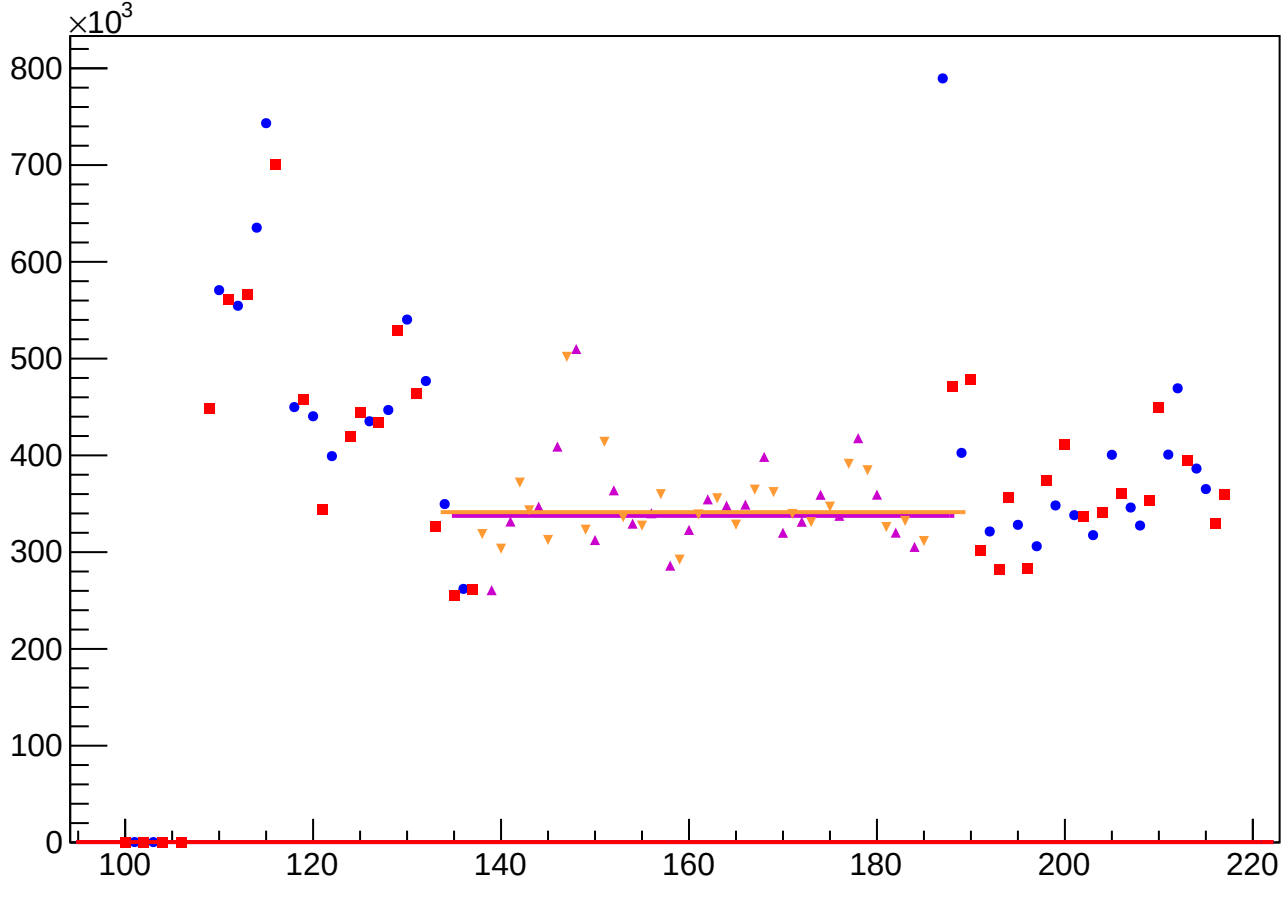
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.331+/-0.237 χ^2/NDF: 86.7/66

In: -0.020+/-0.347 χ^2/NDF:59.7/53

Out: -0.600+/-0.324 χ^2/NDF:82.0/60

All: -0.330+/-0.237 χ^2/NDF: 143.2/114



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: 391.618+/-0.229 χ^2/NDF: 35917907.9/33

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

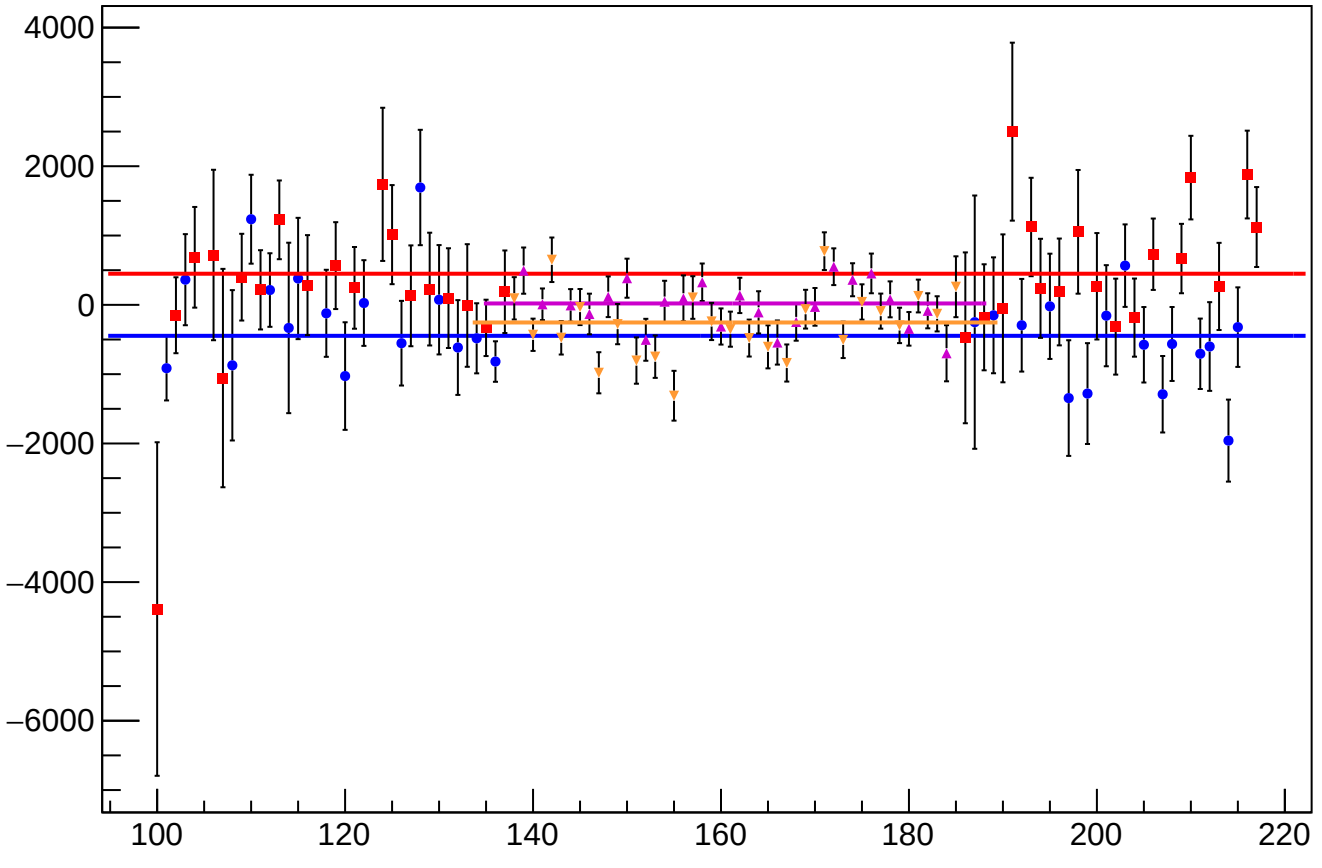
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

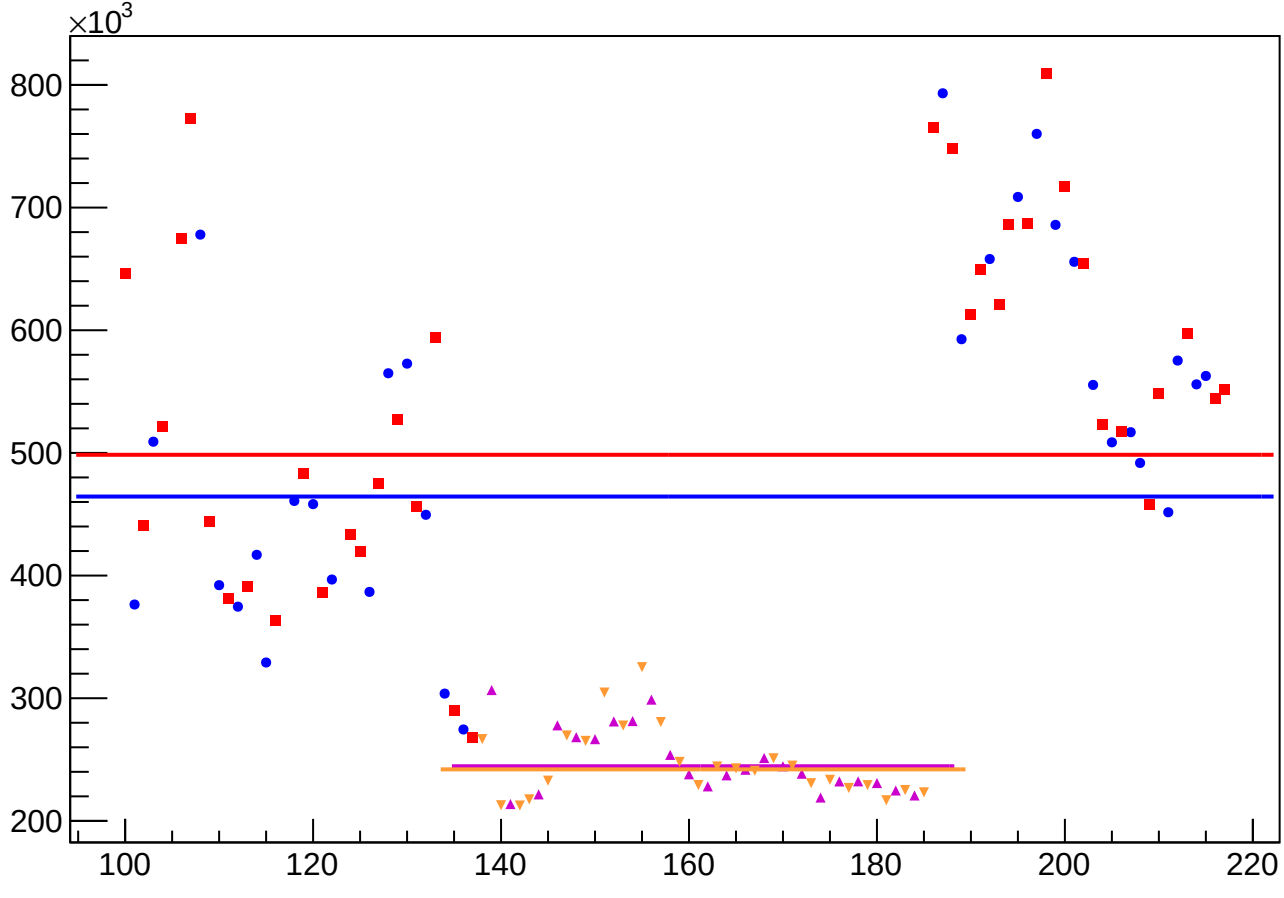
Right: 392.820+/-0.167 χ^2/NDF: 70126198.4/63

In: 400.585+/-0.245 χ^2/NDF:70526019.8/52

Out: 397.456+/-0.229 χ^2/NDF:74288616.4/58

All: 398.912+/-0.167 χ^2/NDF: 144814723.1/1


diff_cav4cX_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -446.801+/-110.319 χ²/NDF: 37.5/30
Left Out: -254.371+/-55.417 χ²/NDF:61.3/24
Right Out: 449.059+/-113.964 χ²/NDF: 35.6/35
Left In: 20.176+/-57.484 χ²/NDF:28.6/22
Left: -122.121+/-39.897 χ²/NDF: 101.7/47
Right: -13.425+/-79.265 χ²/NDF: 105.1/66
In: -79.540+/-50.978 χ²/NDF:80.2/53
Out: -119.847+/-49.838 χ²/NDF:127.7/60
All: -100.150+/-35.637 χ²/NDF: 208.3/114



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: 498462.068+/-80.661 χ^2/NDF: 2612146.3/35

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

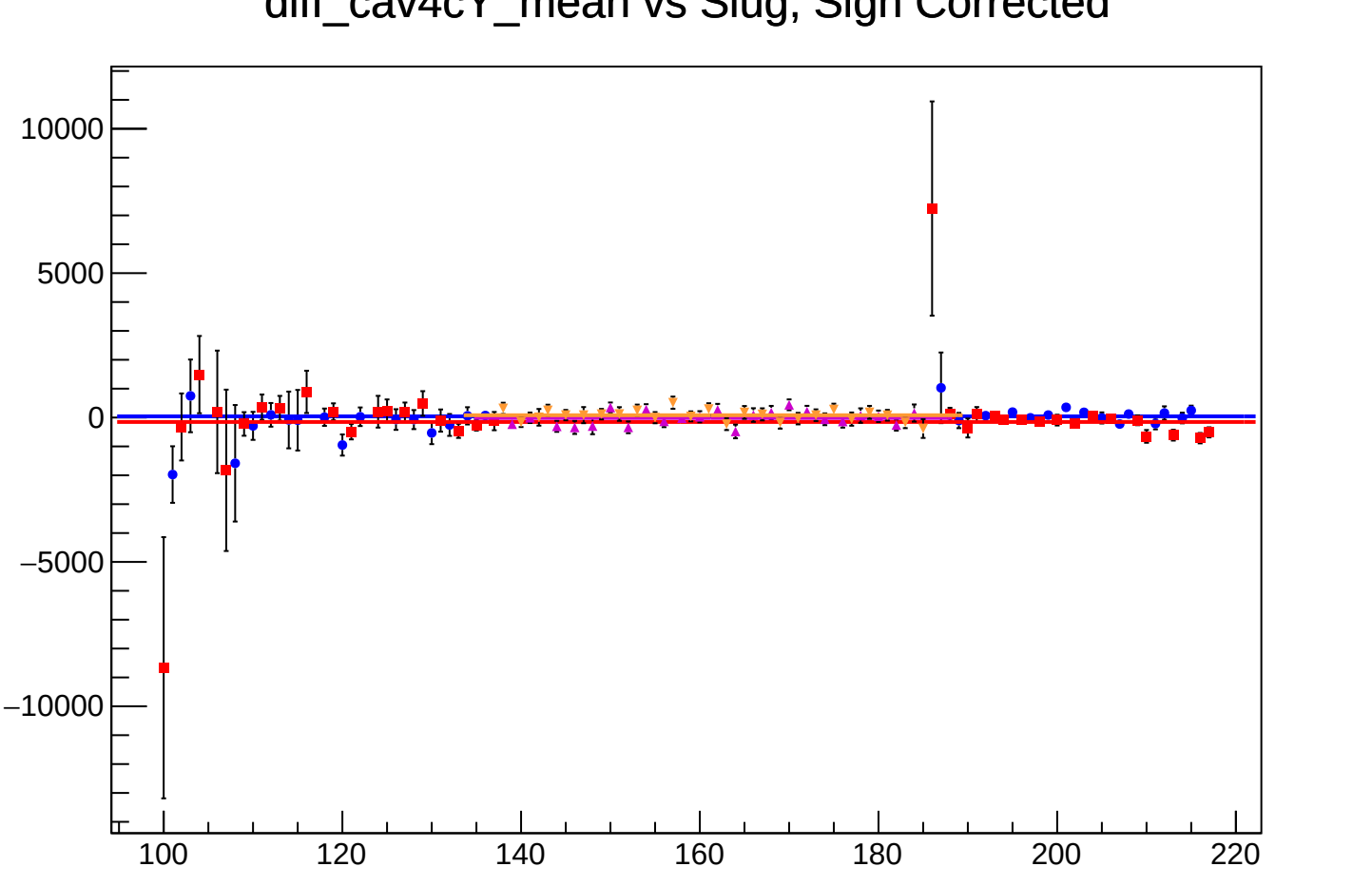
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 480874.758+/-56.079 χ^2/NDF: 5477299.5/66

In: 291482.523+/-36.048 χ^2/NDF:9381510.1/53

Out: 290977.864+/-35.247 χ^2/NDF:11203758.3/60

All: 291224.521+/-25.202 χ^2/NDF: 2058536



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: -153.415+/-38.409 χ^2/NDF: 57.2/35

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

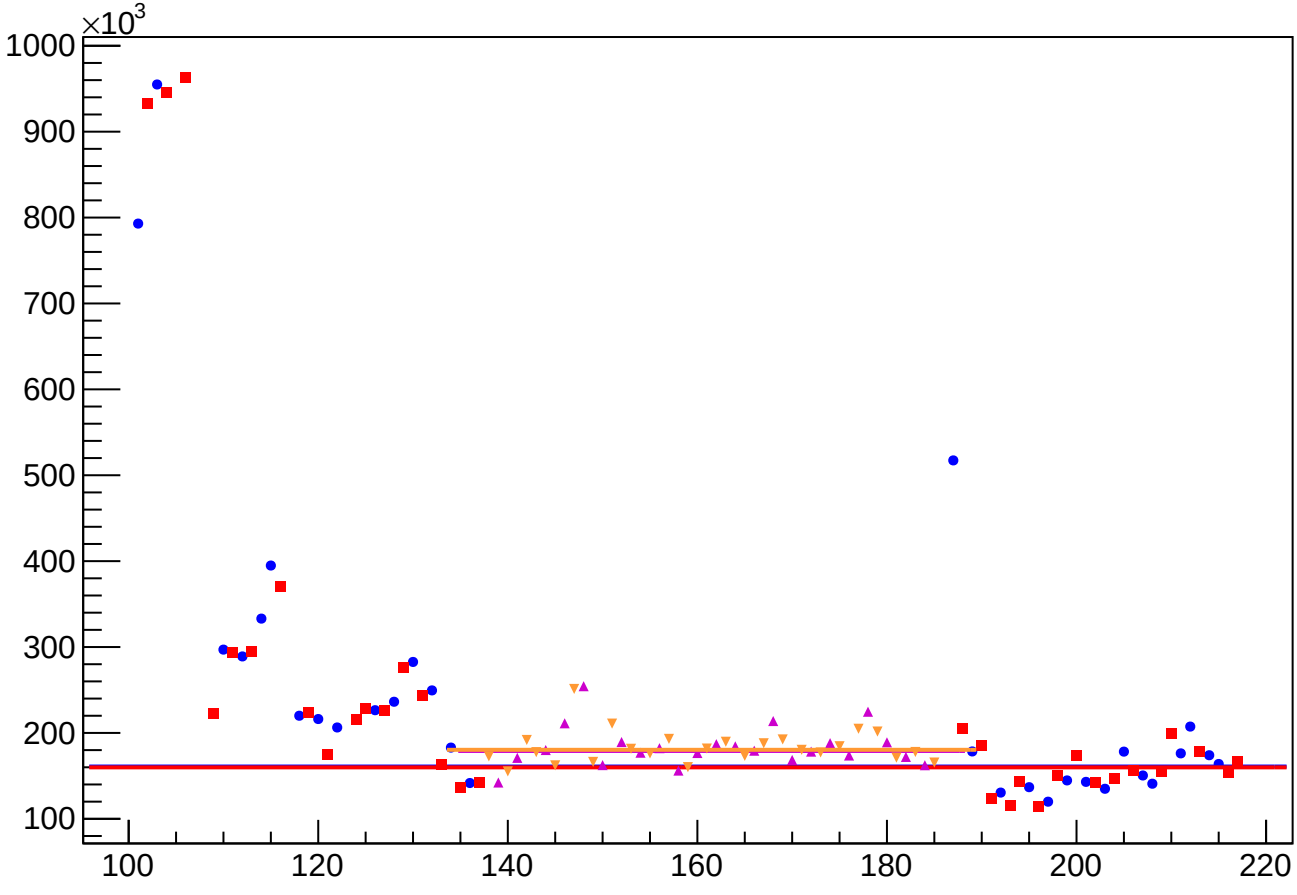
Right: -58.528+/-27.475 χ^2/NDF: 99.2/66

In: 15.396+/-28.777 χ^2/NDF:63.6/53

Out: -45.398+/-28.126 χ^2/NDF:94.0/60

All: -15.696+/-20.114 χ^2/NDF: 159.8/114

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: 159908.136+/-27.174 χ^2/NDF: 3365265.7/32

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

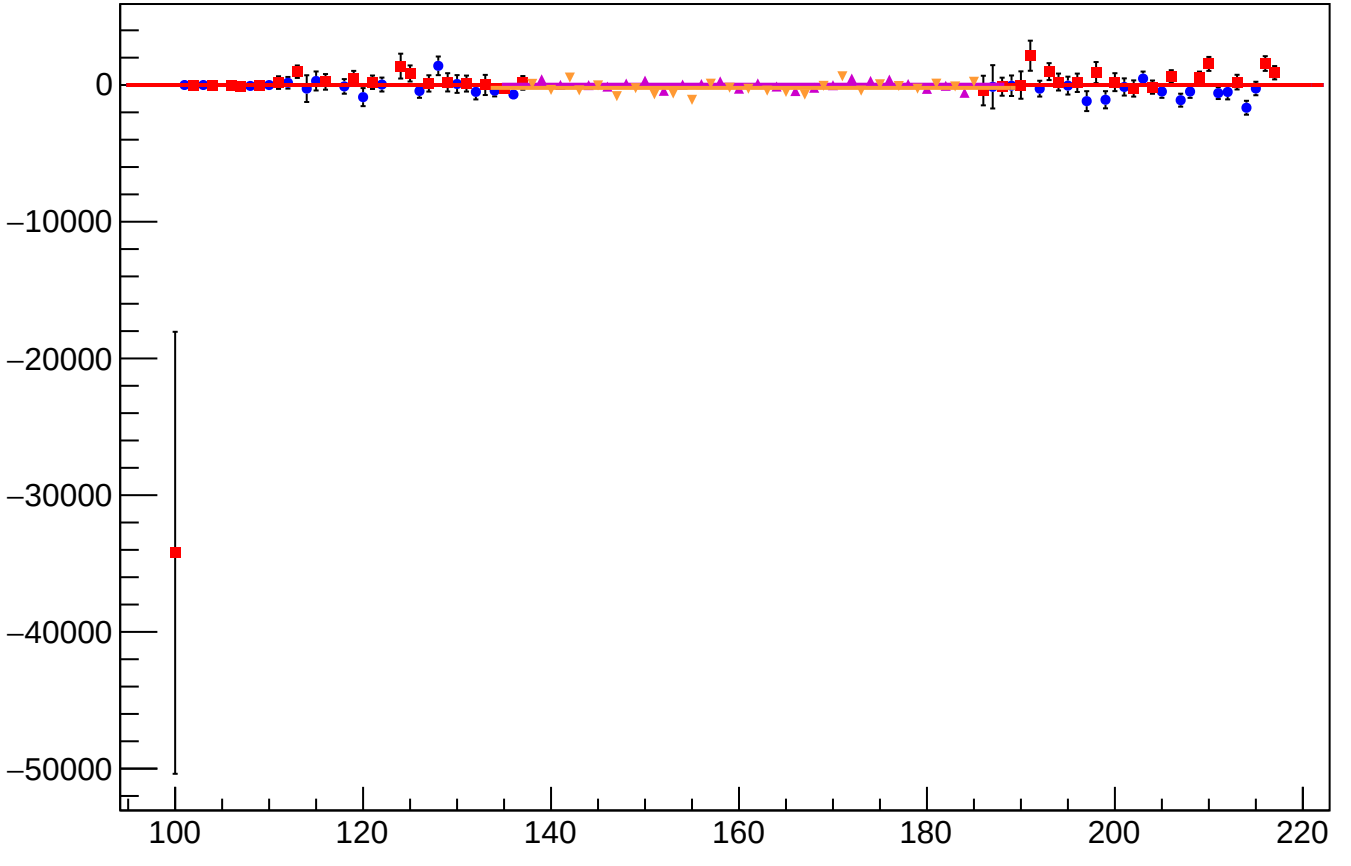
Right: 160383.549+/-19.436 χ^2/NDF: 6736297.4/62

In: 169308.171+/-20.352 χ^2/NDF:4069462.1/52

Out: 169390.612+/-19.894 χ^2/NDF:3974277.5/57

All: 169350.331+/-14.226 χ^2/NDF: 8043748.

diff_cav4dX_mean vs Slug, Sign Corrected



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: 49.9/35

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

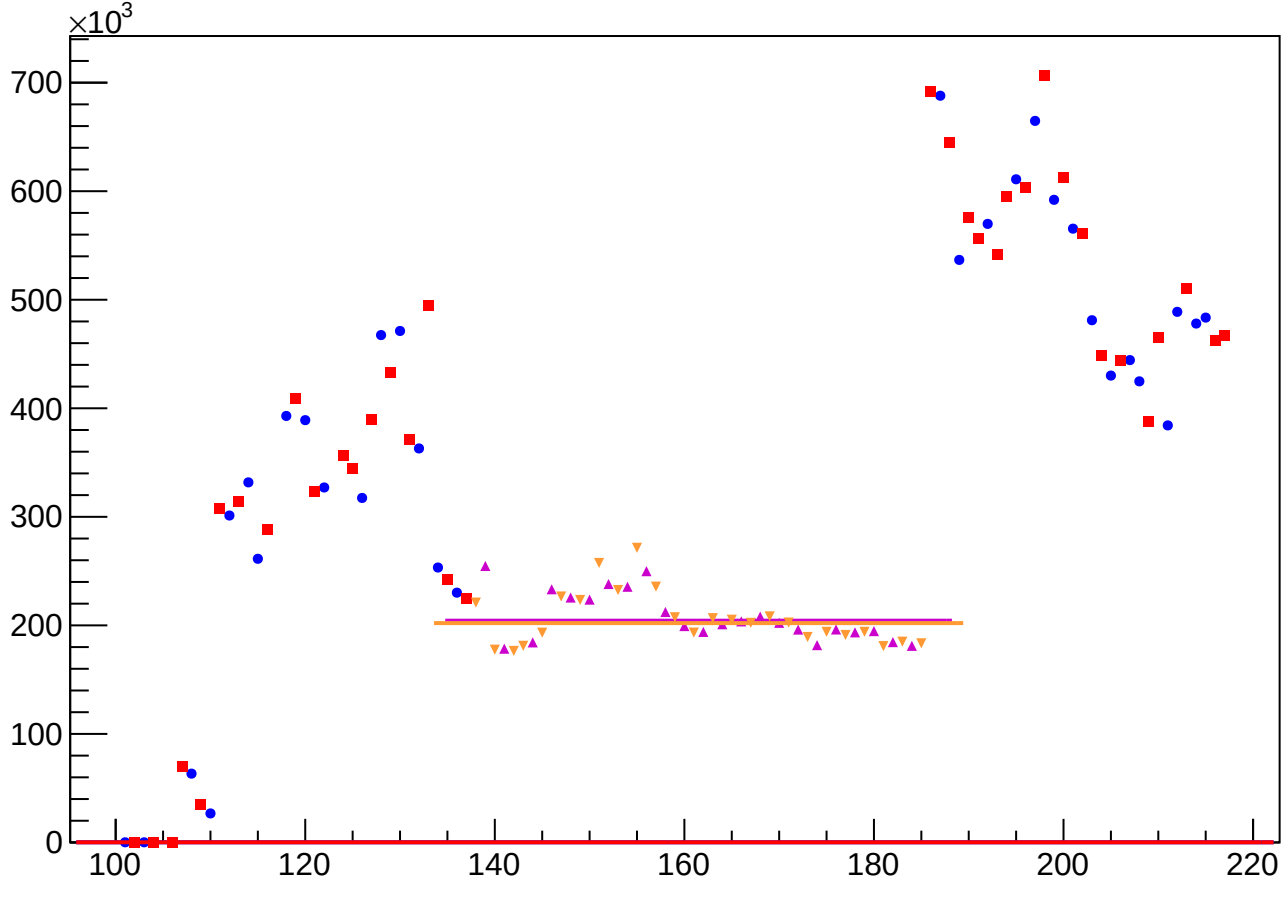
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 98.8/66

In: -0.036+/-0.172 χ^2/NDF:74.9/53

Out: 0.353+/-0.160 χ^2/NDF:131.8/60

All: 0.173+/-0.117 χ^2/NDF: 209.4/114



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: 150.021+/-0.113 χ^2/NDF: 37556350.8/34

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

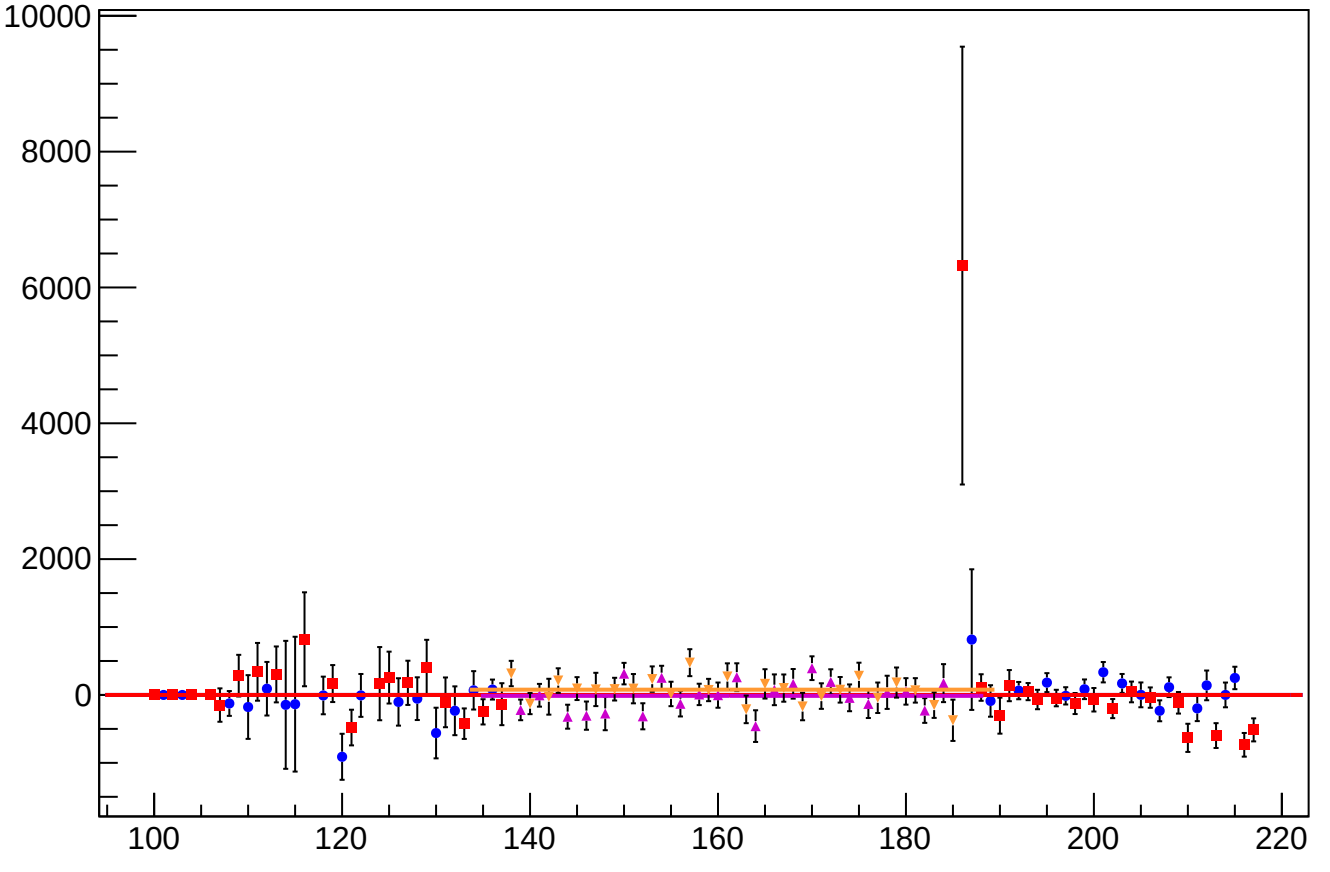
Right: 149.919+/-0.083 χ^2/NDF: 72818853.1/65

In: 152.426+/-0.122 χ^2/NDF:71765069.5/53

Out: 152.438+/-0.113 χ^2/NDF:76051945.8/59

All: 152.433+/-0.083 χ^2/NDF: 147817015.3/

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: -0.129+/-0.166 χ^2/NDF: 72.1/35

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

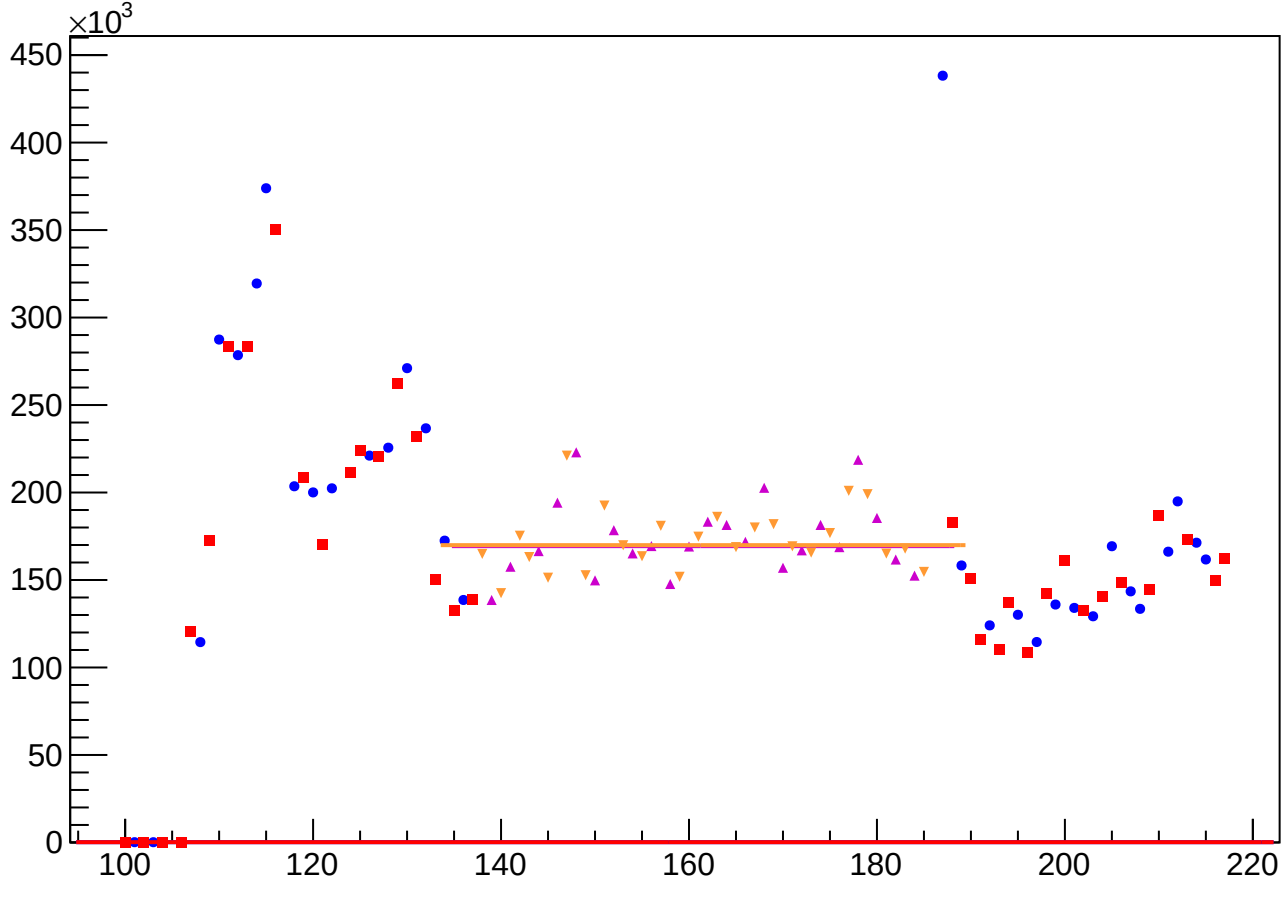
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.100+/-0.121 χ^2/NDF: 99.6/66

In: -0.067+/-0.177 χ^2/NDF:60.2/53

Out: -0.127+/-0.166 χ^2/NDF:95.2/60

All: -0.099+/-0.121 χ^2/NDF: 155.5/114



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: 158.557+/-0.118 χ^2/NDF: 36411188.2/34

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

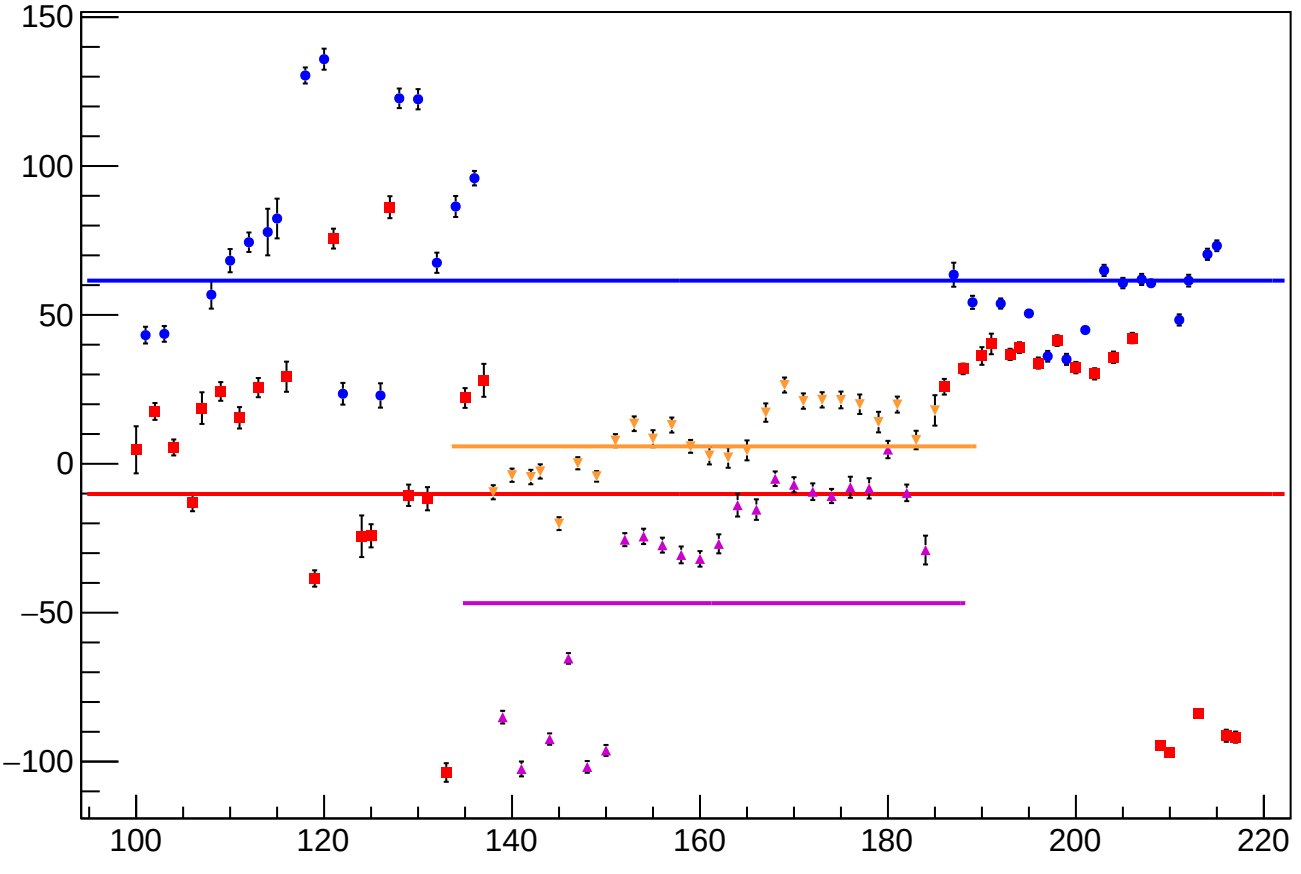
Right: 157.363+/-0.086 χ^2/NDF: 71893964.9/65

In: 159.342+/-0.125 χ^2/NDF:71867551.0/53

Out: 161.663+/-0.118 χ^2/NDF:74821124.9/59

All: 160.575+/-0.086 χ^2/NDF: 146688858.1/1

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: -10.140+/-0.394 χ^2/NDF: 22507.0/35

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

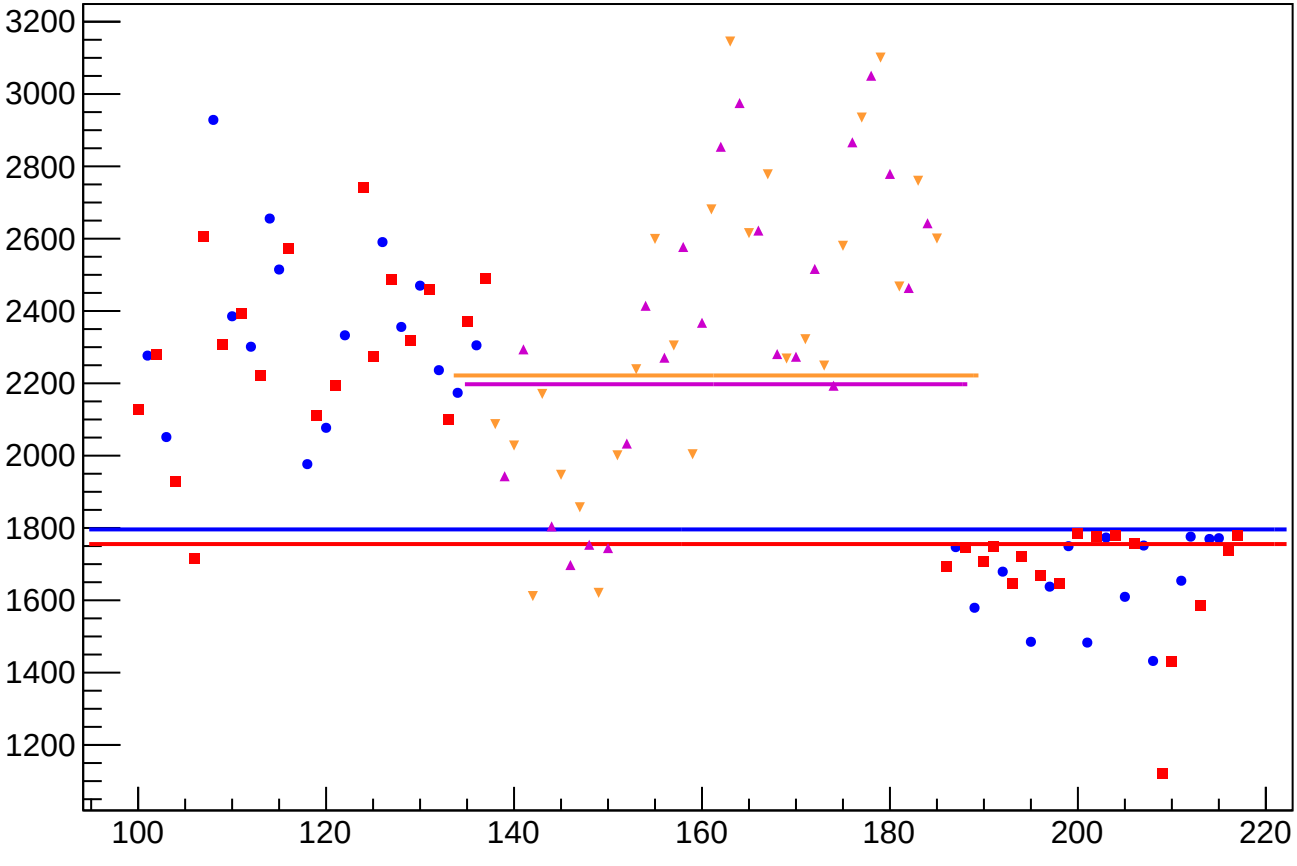
Right: 23.687+/-0.287 χ^2/NDF: 41118.6/66

In: 19.554+/-0.326 χ^2/NDF:34330.7/53

Out: -4.213+/-0.313 χ^2/NDF:23651.5/60

All: 7.167+/-0.226 χ^2/NDF: 60744.6/114

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1796.002+/-0.295 χ^2/NDF: 1087053.2/30

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1755.522+/-0.279 χ^2/NDF: 1477834.6/35

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

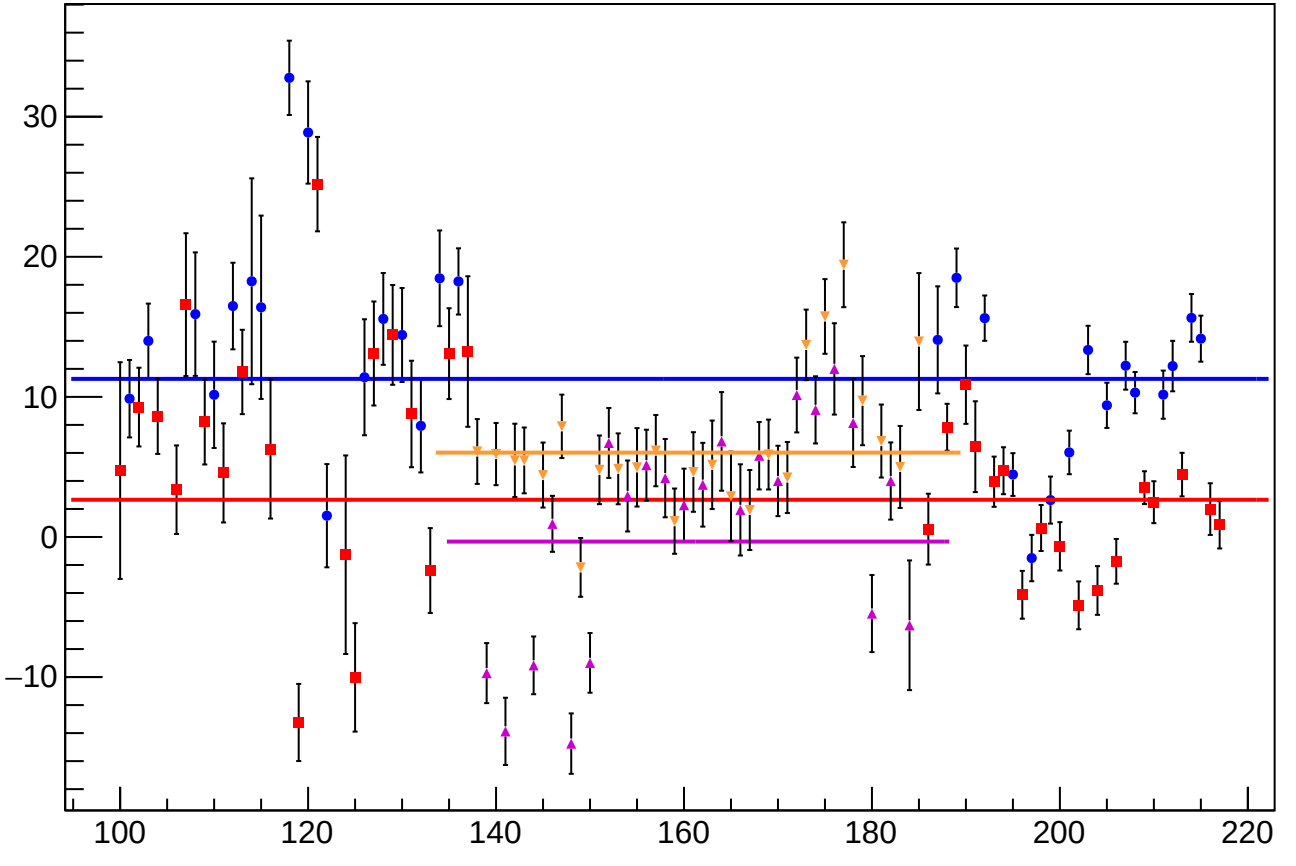
Right: 1774.632+/-0.203 χ^2/NDF: 2574832.7/66

In: 1951.540+/-0.231 χ^2/NDF:2909567.1/53

Out: 1928.325+/-0.221 χ^2/NDF:3697686.6/60

All: 1939.441+/-0.160 χ^2/NDF: 6612524.7/11

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: 2.657+/-0.371 χ^2/NDF: 246.3/35

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

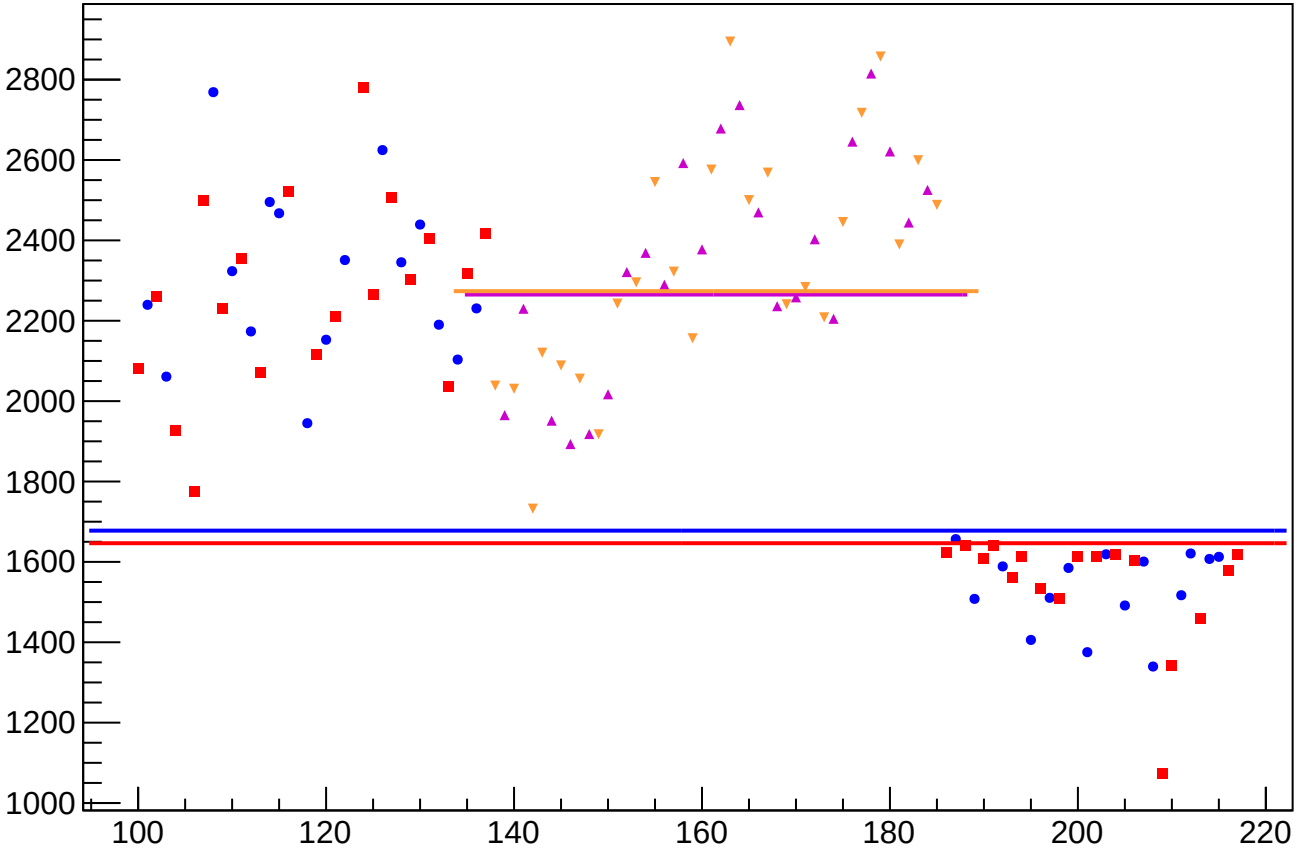
Right: 6.745+/-0.269 χ^2/NDF: 773.5/66

In: 7.243+/-0.315 χ^2/NDF:803.1/53

Out: 3.788+/-0.302 χ^2/NDF:345.8/60

All: 5.441+/-0.218 χ^2/NDF: 1211.4/114

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: 1646.488+/-0.262 χ^2/NDF: 1695912.1/35

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

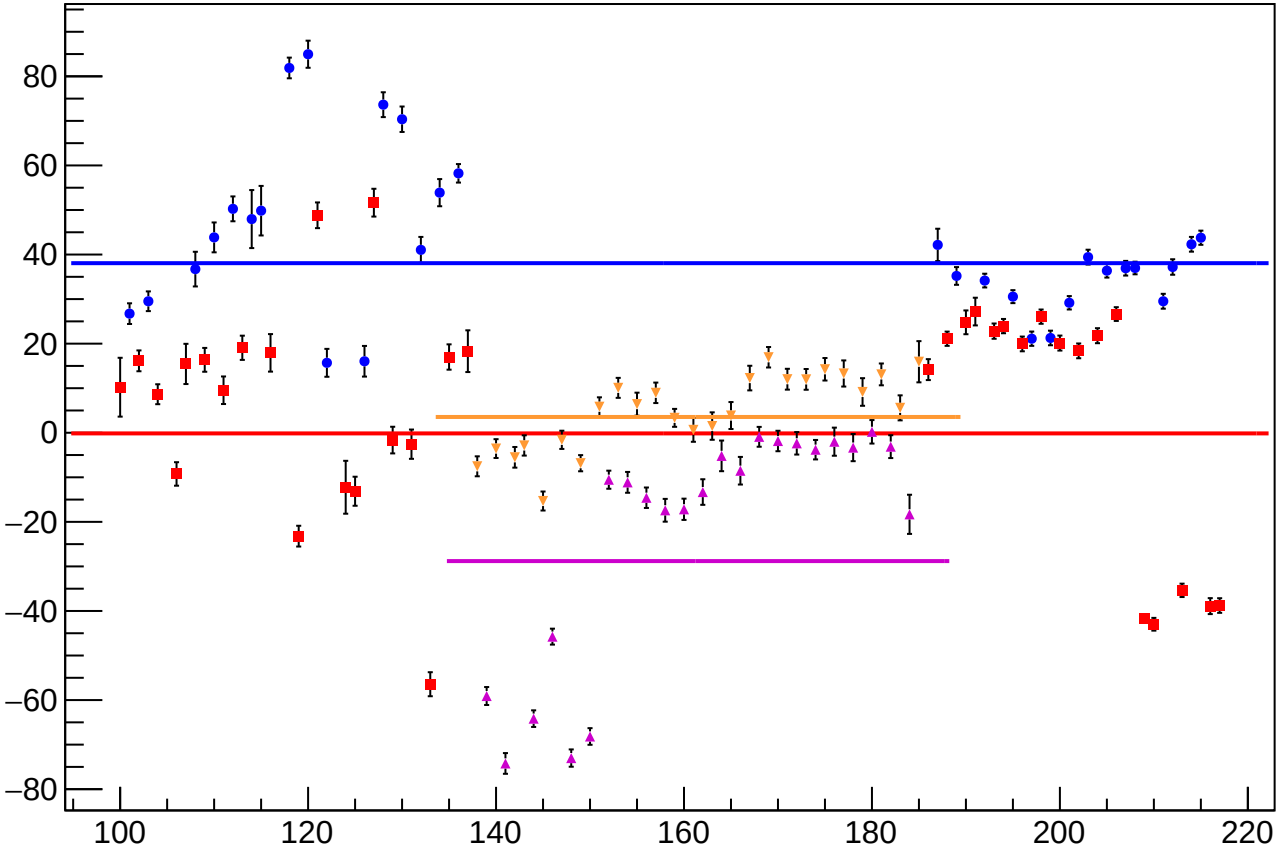
Right: 1661.302+/-0.190 χ^2/NDF: 3061539.1/66

In: 1882.262+/-0.223 χ^2/NDF:3429453.5/53

Out: 1857.319+/-0.214 χ^2/NDF:4157617.6/60

All: 1869.249+/-0.154 χ^2/NDF: 7593597.4/11

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 38.064+/-0.367 χ^2/NDF: 1503.1/30

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -0.146+/-0.347 χ^2/NDF: 7170.7/35

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

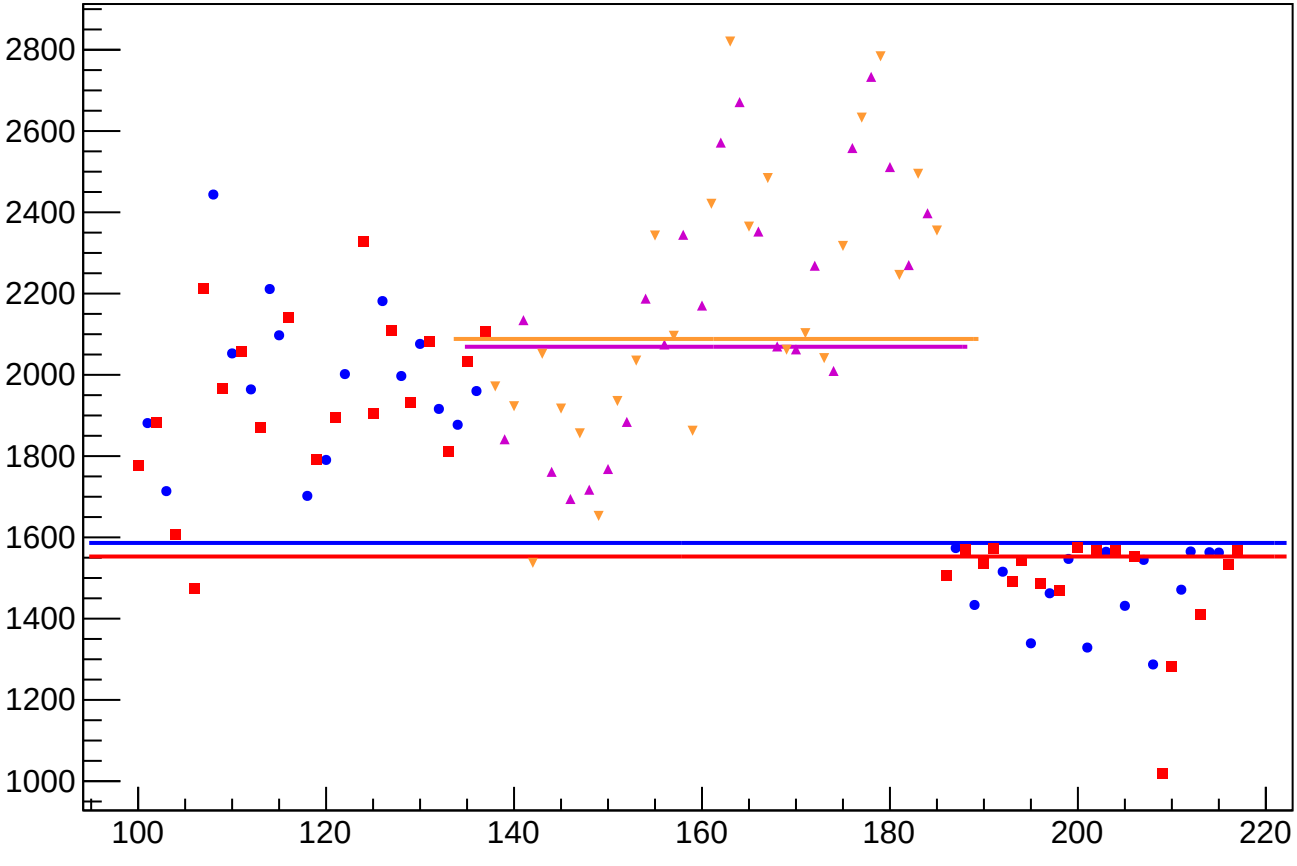
Right: 17.919+/-0.252 χ^2/NDF: 14392.5/66

In: 14.098+/-0.294 χ^2/NDF:16672.2/53

Out: 1.122+/-0.281 χ^2/NDF:7529.3/60

All: 7.331+/-0.203 χ^2/NDF: 25218.3/114

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: 1552.906+/-0.246 χ^2/NDF: 1176419.8/35

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

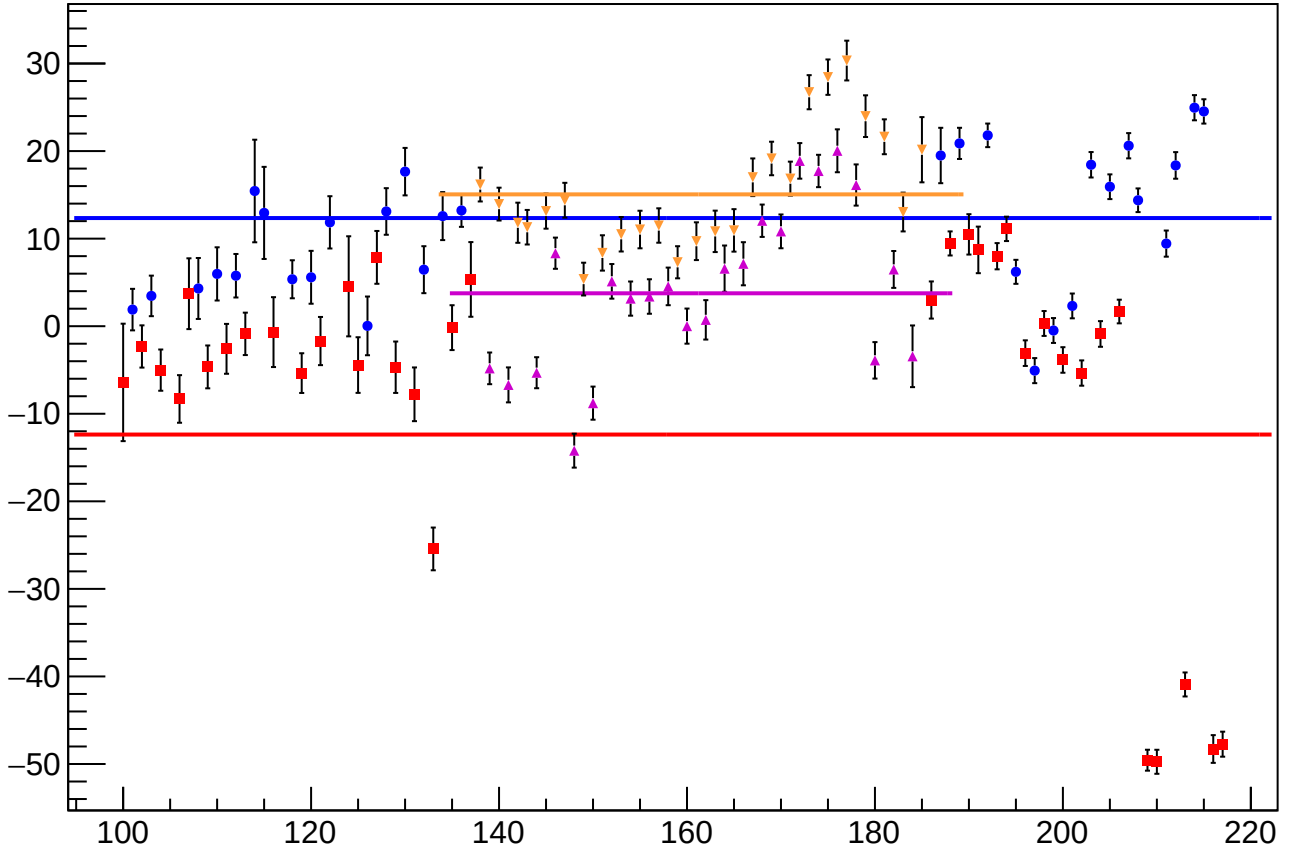
Right: 1568.699+/-0.178 χ^2/NDF: 2018277.5/66

In: 1759.350+/-0.208 χ^2/NDF:2786050.7/53

Out: 1736.843+/-0.199 χ^2/NDF:3595792.1/60

All: 1747.613+/-0.144 χ^2/NDF: 6387960.9/11

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: -12.374+/-0.318 χ^2/NDF: 4814.4/35

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

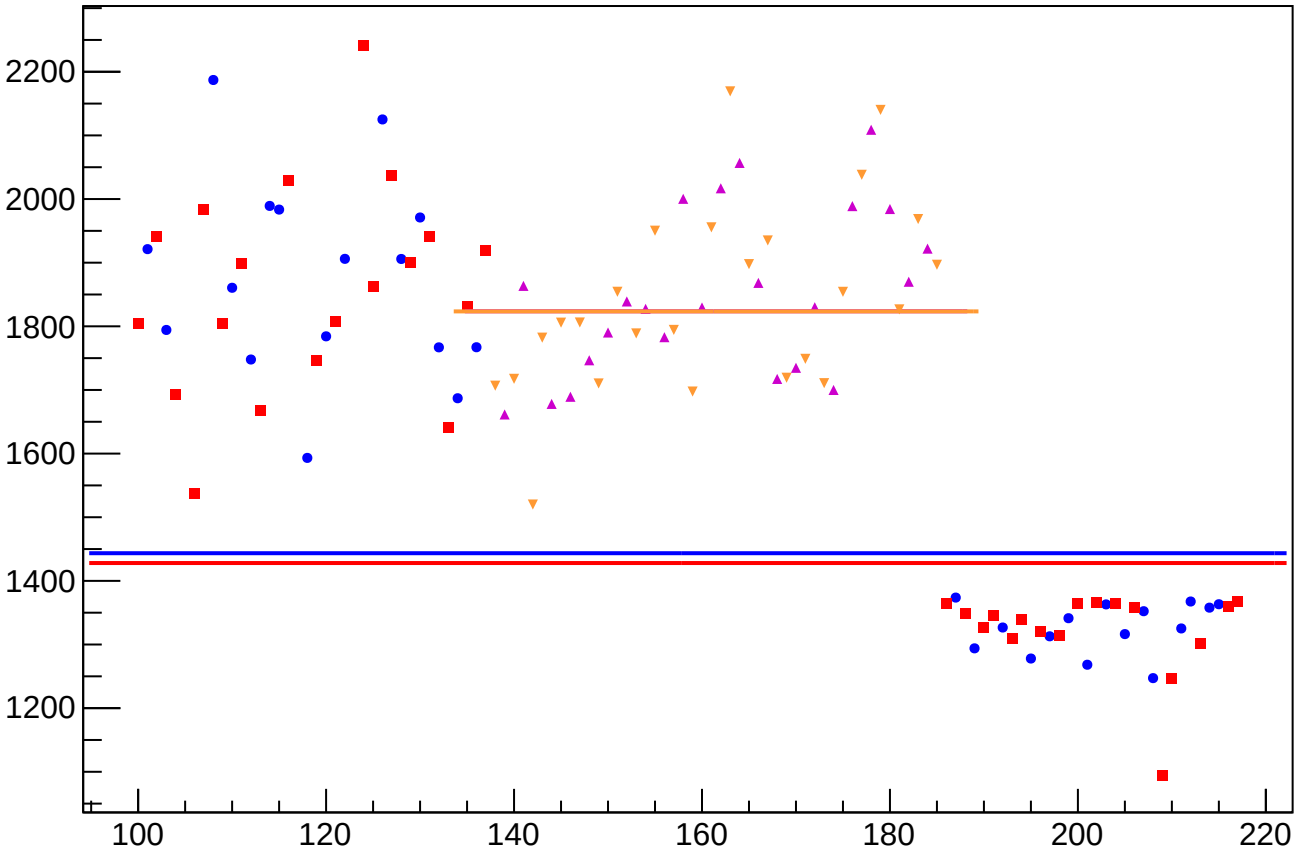
Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

Right: -0.581+/-0.230 χ^2/NDF: 8393.2/66

In: 9.107+/-0.263 χ^2/NDF:1408.8/53

Out: -2.240+/-0.253 χ^2/NDF:7806.3/60

All: 3.209+/-0.182 χ^2/NDF: 10183.6/114



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: 1428.032+/-0.225 χ^2/NDF: 1056321.1/35

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

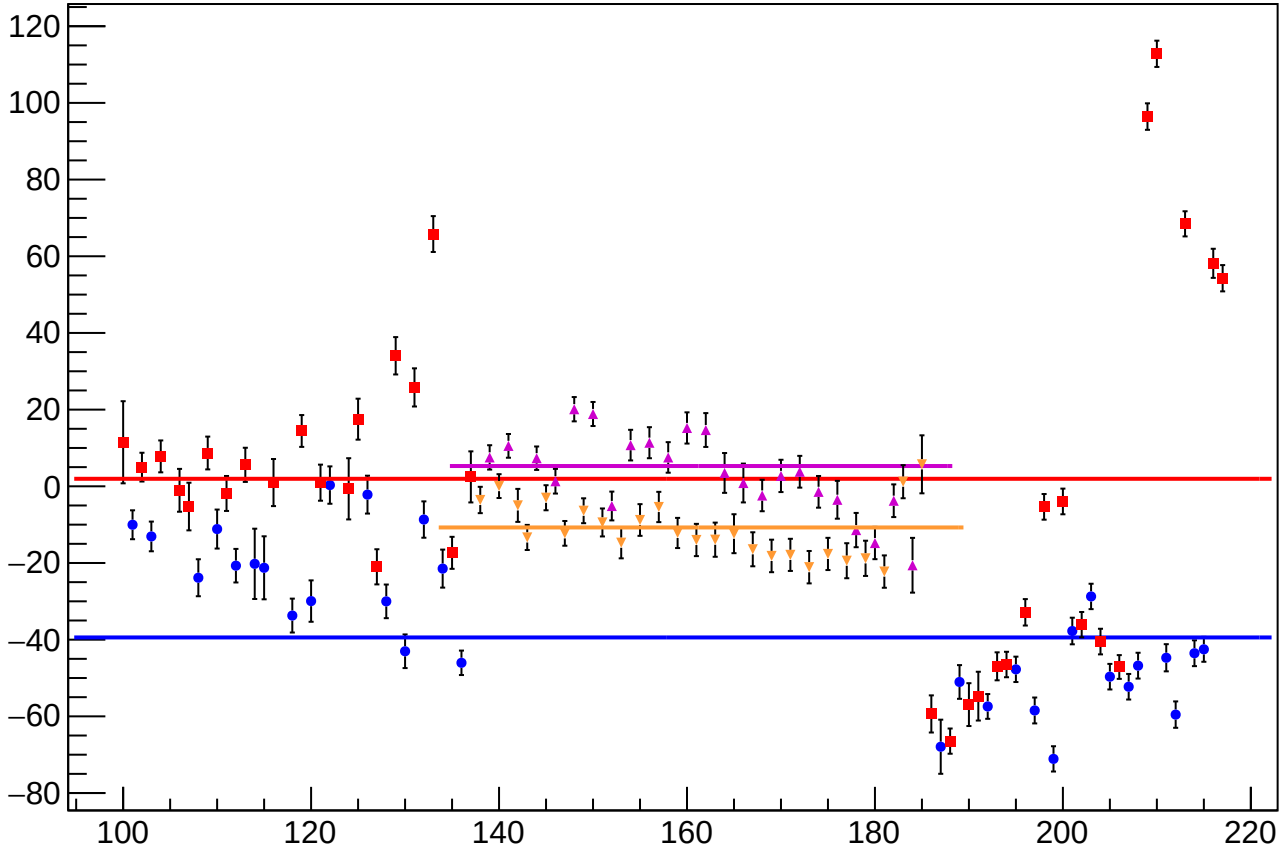
Right: 1435.396+/-0.163 χ^2/NDF: 2010080.5/66

In: 1587.000+/-0.186 χ^2/NDF:2098236.1/53

Out: 1574.119+/-0.179 χ^2/NDF:2408722.6/60

All: 1580.304+/-0.129 χ^2/NDF: 4509454.8/11

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: 1.959+/-0.689 χ^2/NDF: 4814.0/35

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

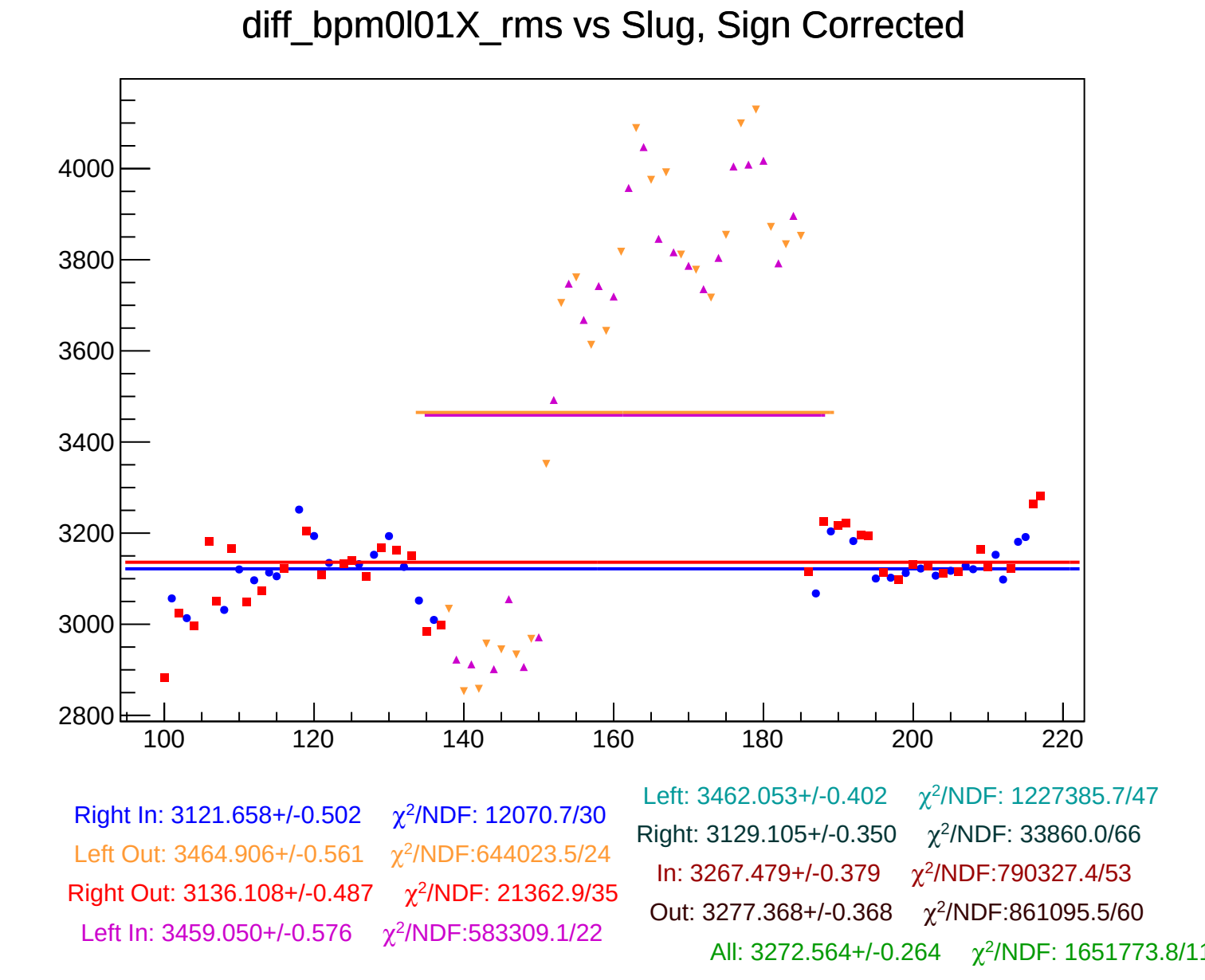
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

Right: -18.095+/-0.495 χ^2/NDF: 7194.3/66

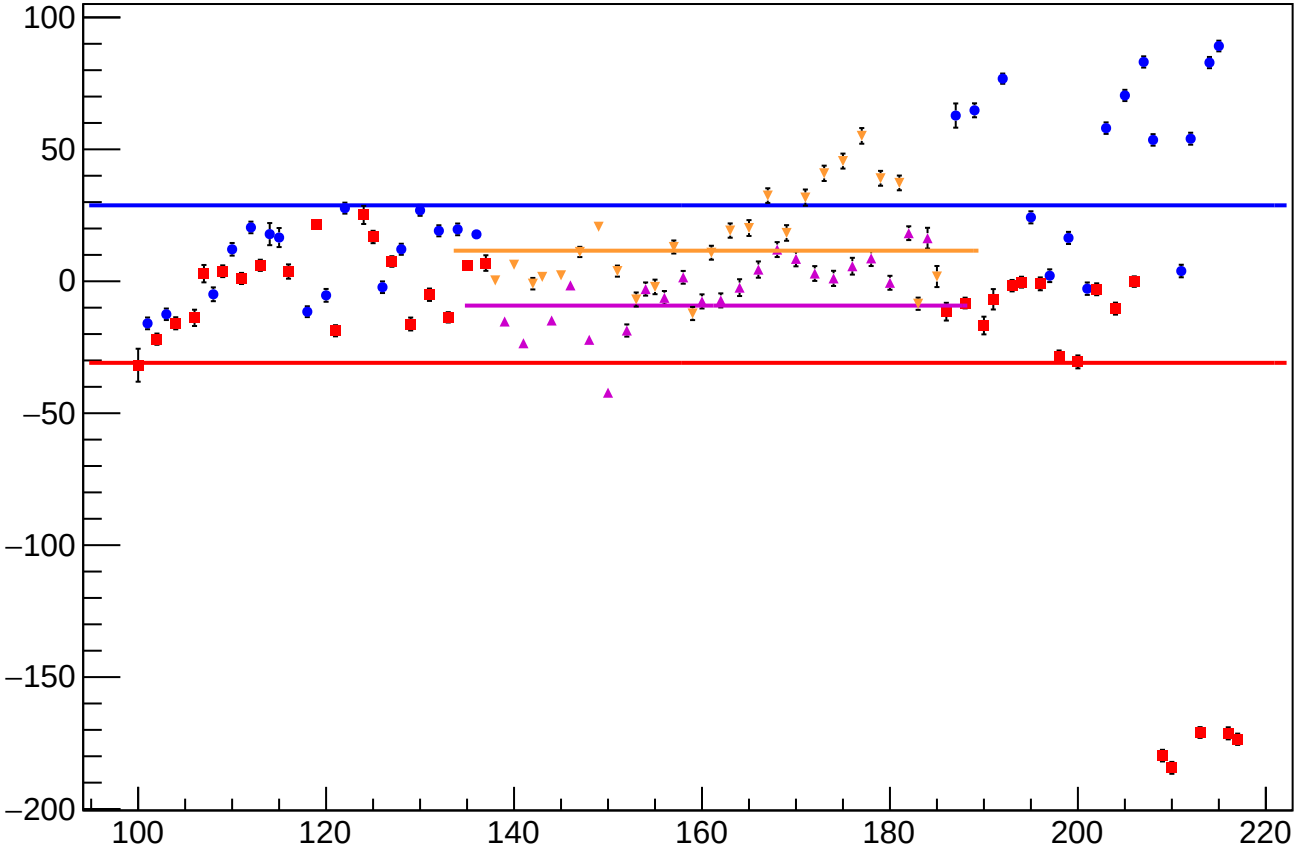
In: -20.096+/-0.535 χ^2/NDF:2477.4/53

Out: -3.494+/-0.520 χ^2/NDF:5033.6/60

All: -11.558+/-0.373 χ^2/NDF: 8005.5/114


diff_bpm0l01X_rms vs Slug, Sign Corrected
4000
3800
3600
3400
3200
3000
2800
100
120
140
160
180
200
220
Right In: 3121.658+/-0.502 χ²/NDF: 12070.7/30
Left Out: 3464.906+/-0.561 χ²/NDF:644023.5/24
Right Out: 3136.108+/-0.487 χ²/NDF: 21362.9/35
Left In: 3459.050+/-0.576 χ²/NDF:583309.1/22
Left: 3462.053+/-0.402 χ²/NDF: 1227385.7/47
Right: 3129.105+/-0.350 χ²/NDF: 33860.0/66
In: 3267.479+/-0.379 χ²/NDF:790327.4/53
Out: 3277.368+/-0.368 χ²/NDF:861095.5/60
All: 3272.564+/-0.264 χ²/NDF: 1651773.8/11

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: -30.906+/-0.388 χ^2/NDF: 27250.3/35

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

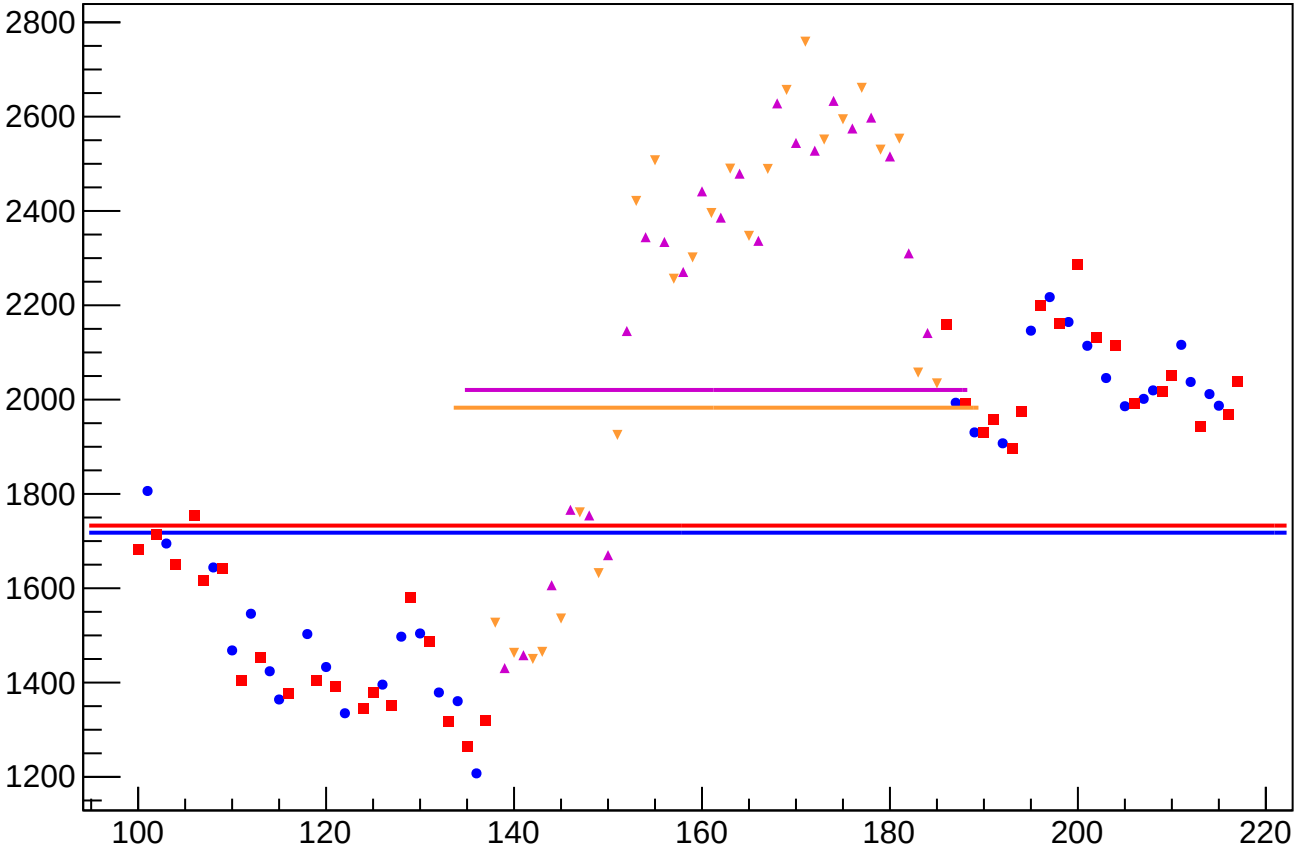
Right: -1.890+/-0.278 χ^2/NDF: 45032.9/66

In: 13.422+/-0.308 χ^2/NDF:10871.2/53

Out: -13.409+/-0.297 χ^2/NDF:33396.9/60

All: -0.449+/-0.214 χ^2/NDF: 48201.4/114

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: 1732.877+/-0.274 χ^2/NDF: 1356060.4/35

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

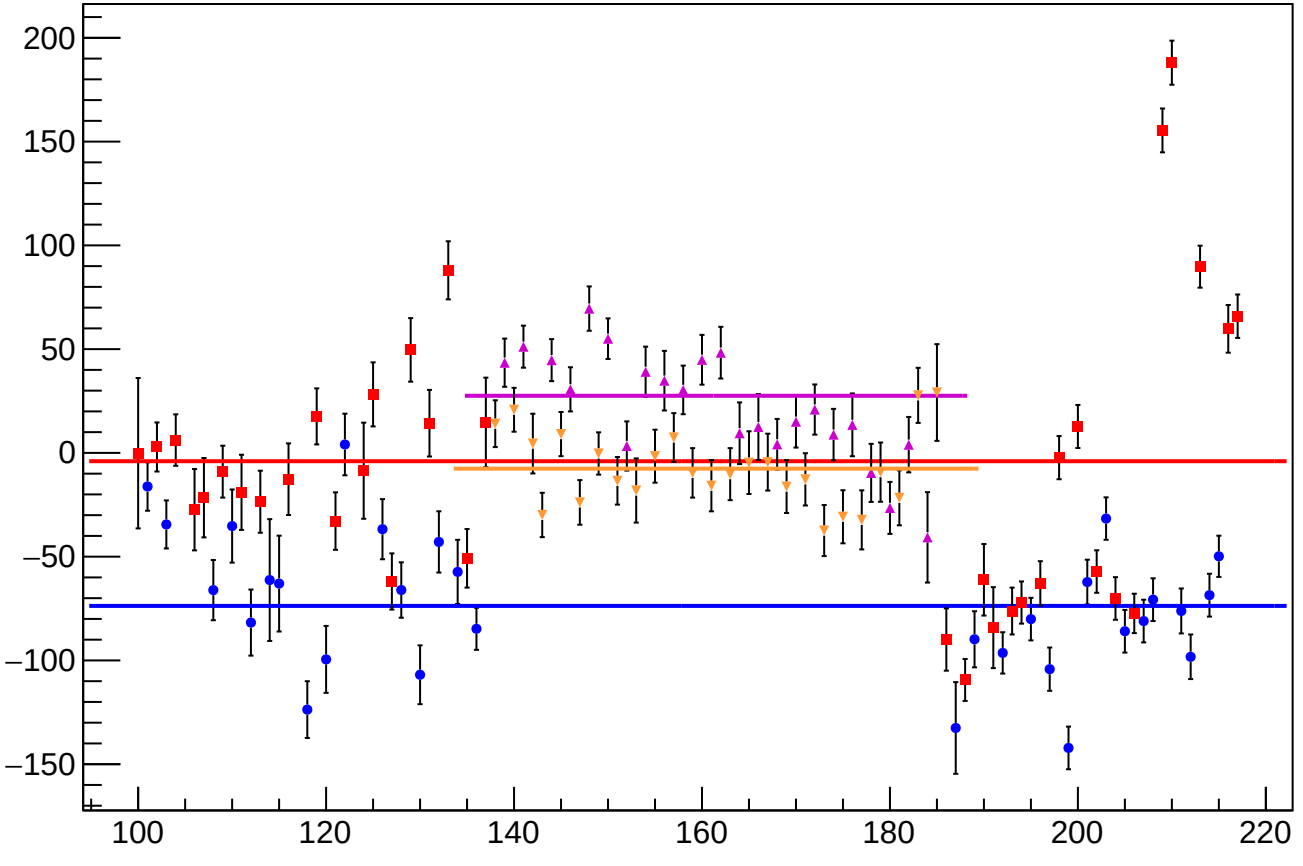
Right: 1725.552+/-0.196 χ^2/NDF: 2695401.0/66

In: 1840.156+/-0.218 χ^2/NDF:3418854.0/53

Out: 1835.787+/-0.210 χ^2/NDF:3676170.4/60

All: 1837.897+/-0.151 χ^2/NDF: 7095233.1/11

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -73.727+/-2.201 χ^2/NDF: 202.2/30

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -4.004+/-2.136 χ^2/NDF: 1237.0/35

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

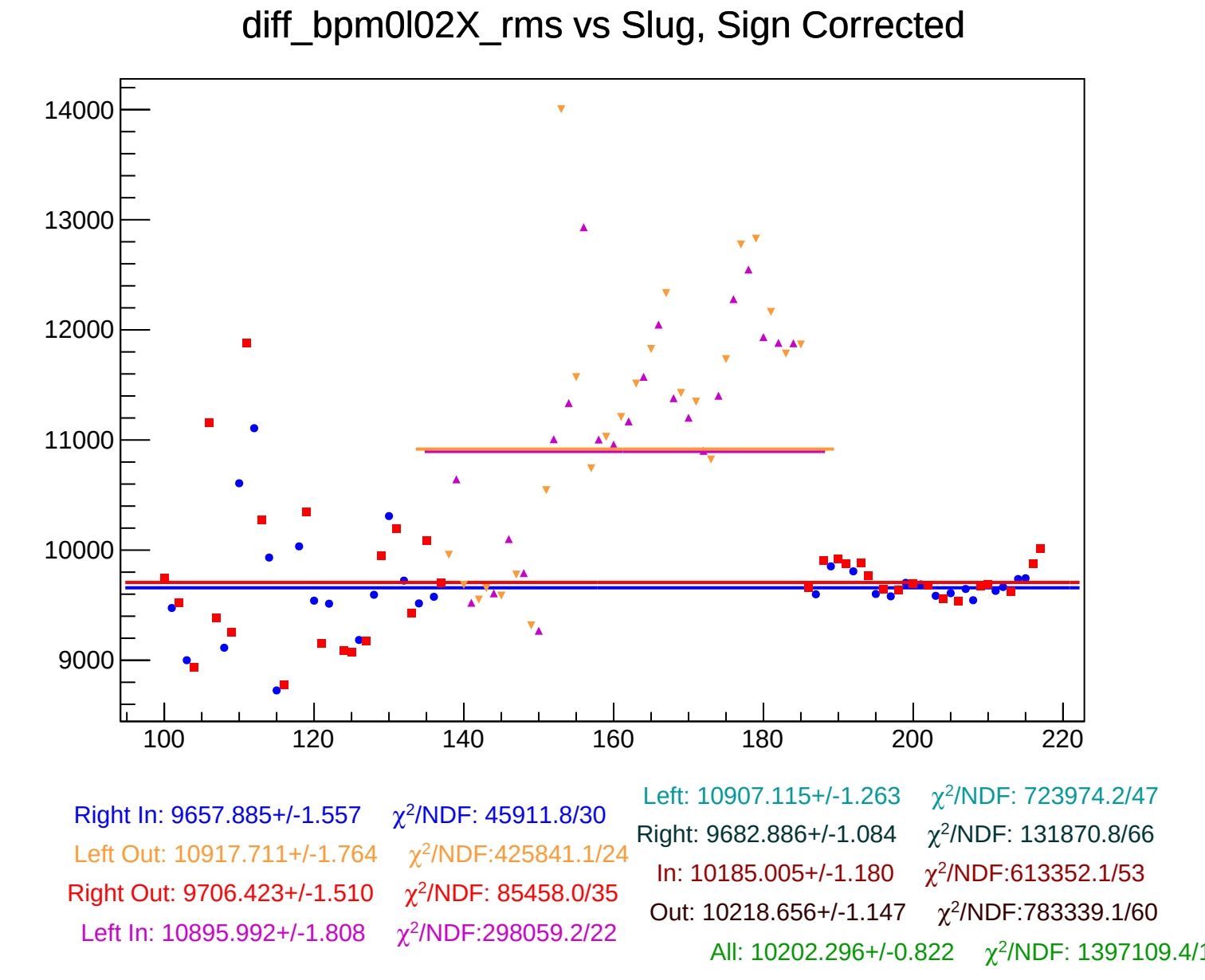
Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

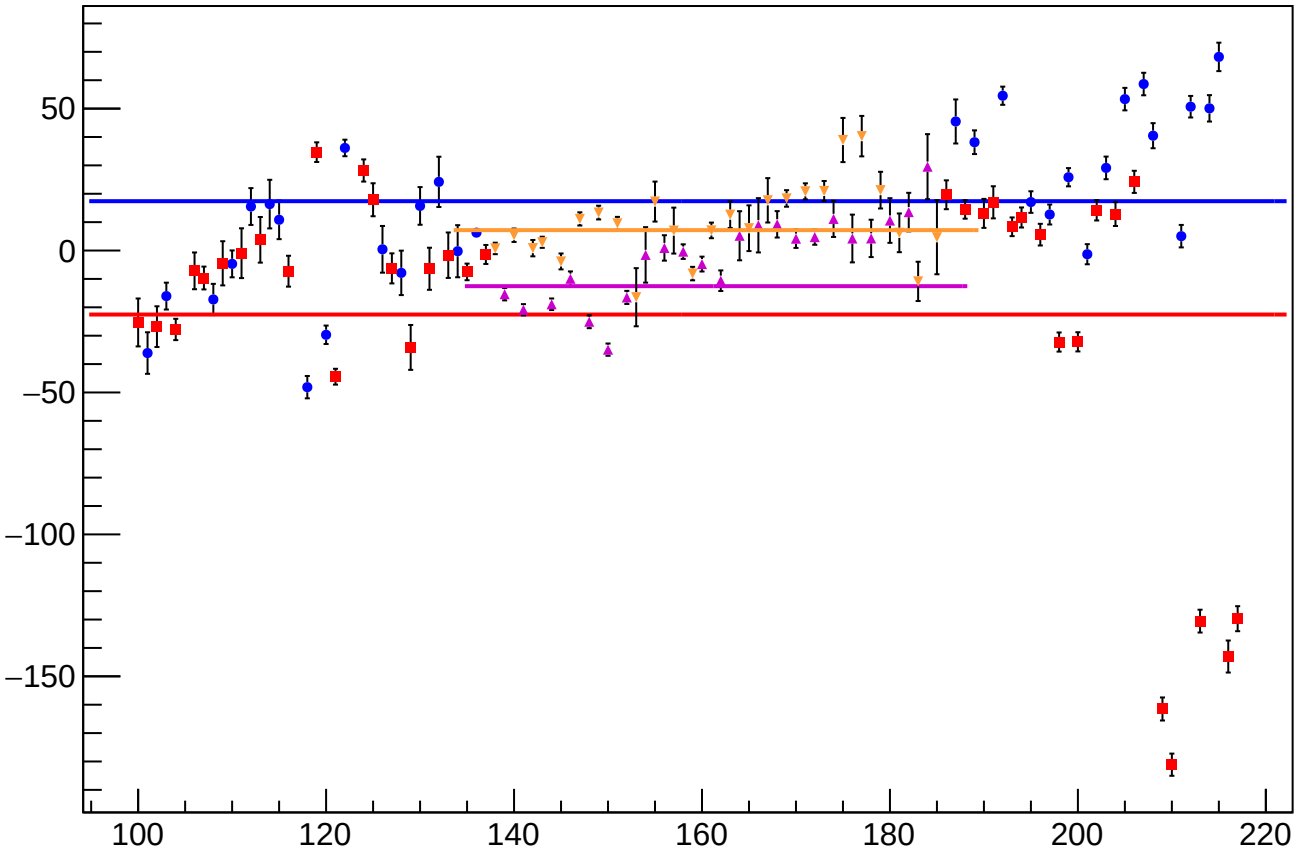
Right: -37.814+/-1.533 χ^2/NDF: 1956.0/66

In: -30.618+/-1.668 χ^2/NDF:1196.1/53

Out: -5.522+/-1.623 χ^2/NDF:1286.1/60

All: -17.723+/-1.163 χ^2/NDF: 2598.5/114


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: 9706.423+/-1.510 χ²/NDF: 85458.0/35
Left In: 10895.992+/-1.808 χ²/NDF:298059.2/22
Left: 10907.115+/-1.263 χ²/NDF: 723974.2/47
Right: 9682.886+/-1.084 χ²/NDF: 131870.8/66
In: 10185.005+/-1.180 χ²/NDF:613352.1/53
Out: 10218.656+/-1.147 χ²/NDF:783339.1/60
All: 10202.296+/-0.822 χ²/NDF: 1397109.4/1



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: -22.547+/-0.715 χ^2/NDF: 6144.3/35

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

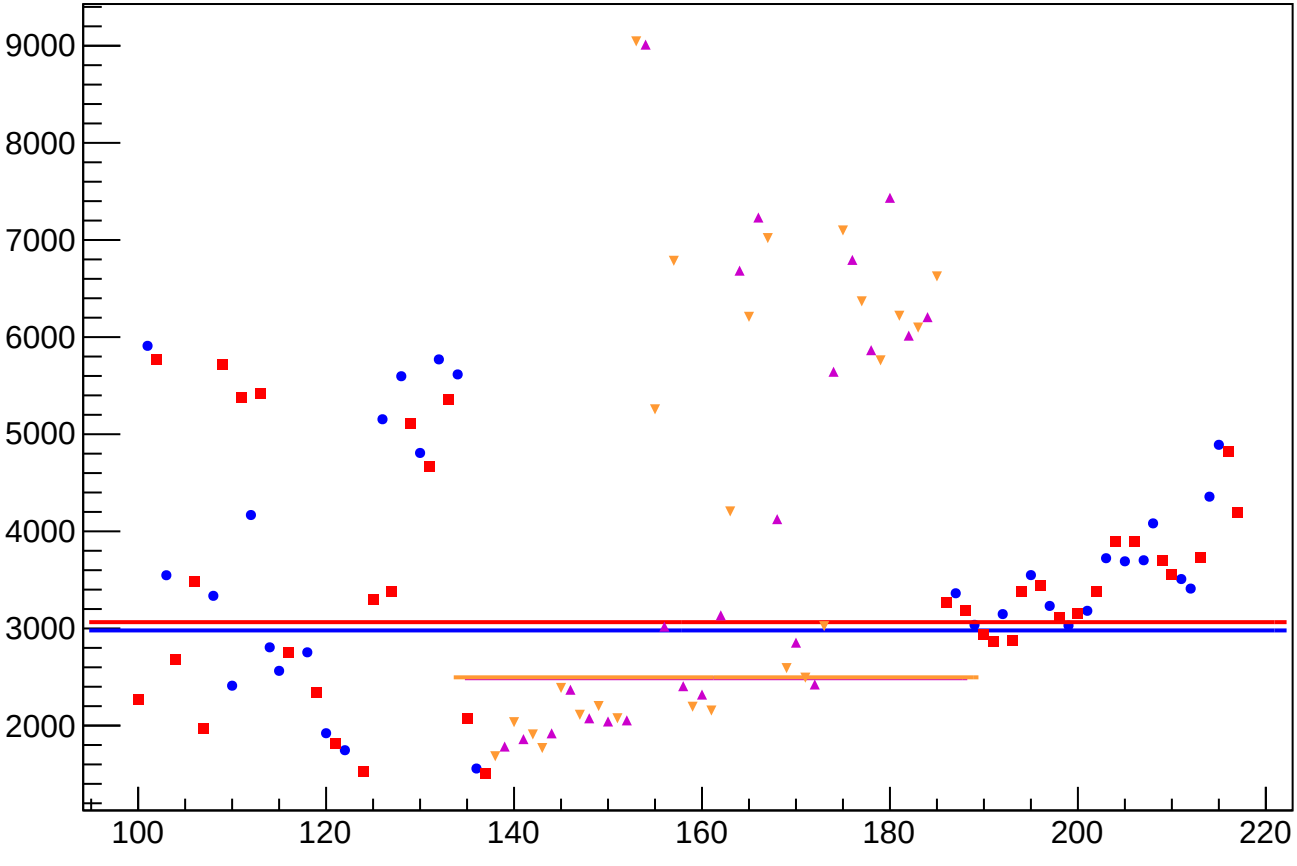
Right: -3.022+/-0.511 χ^2/NDF: 9102.1/66

In: 0.912+/-0.490 χ^2/NDF:2727.2/53

Out: -6.358+/-0.482 χ^2/NDF:7288.4/60

All: -2.780+/-0.344 χ^2/NDF: 10127.4/114

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: 3065.029+/-0.505 χ^2/NDF: 3591791.7/35

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

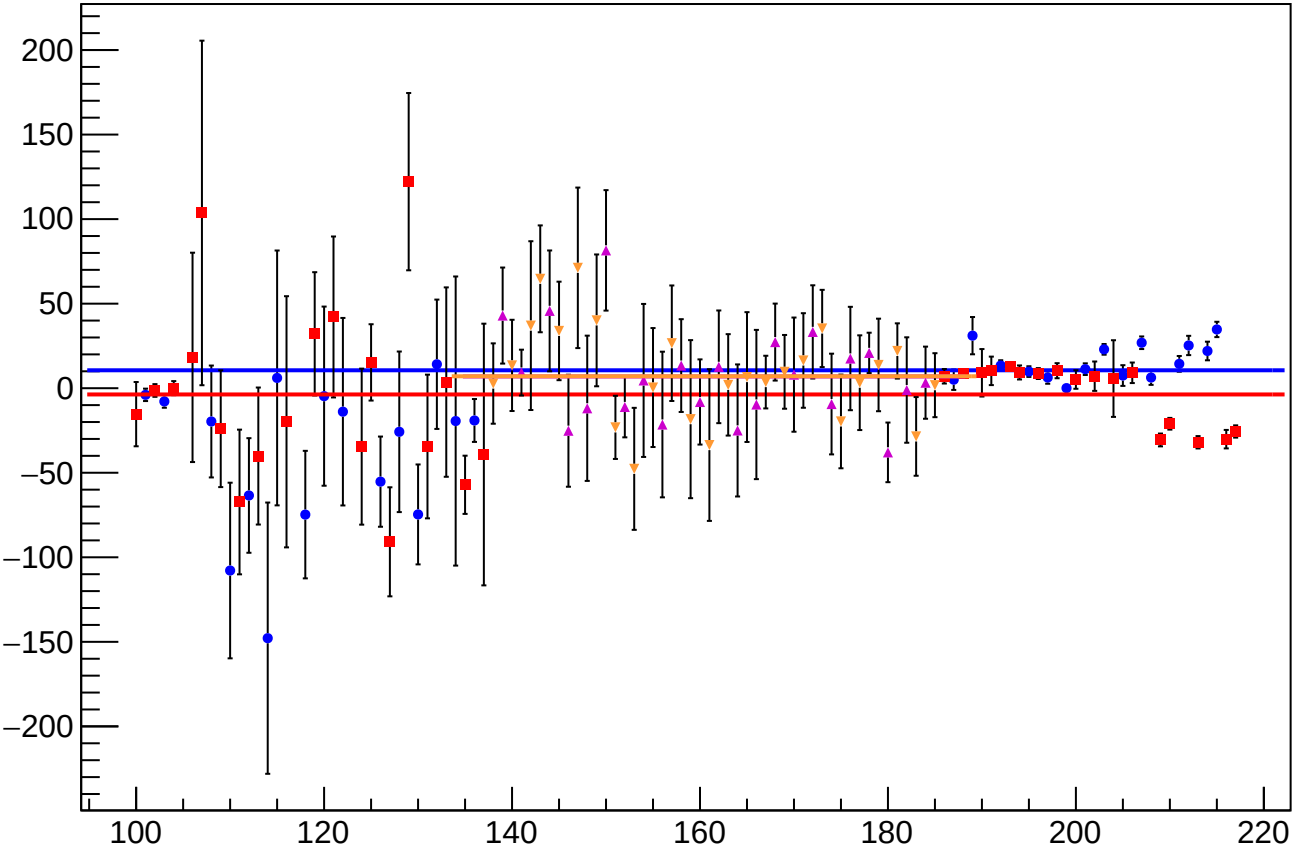
Right: 3023.303+/-0.361 χ^2/NDF: 7903783.0/66

In: 2708.977+/-0.346 χ^2/NDF:10900487.1/53

Out: 2755.622+/-0.341 χ^2/NDF:11486106.9/60

All: 2732.667+/-0.243 χ^2/NDF: 22395799.7/1

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: -3.695+/-0.963 χ^2/NDF: 333.9/35

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

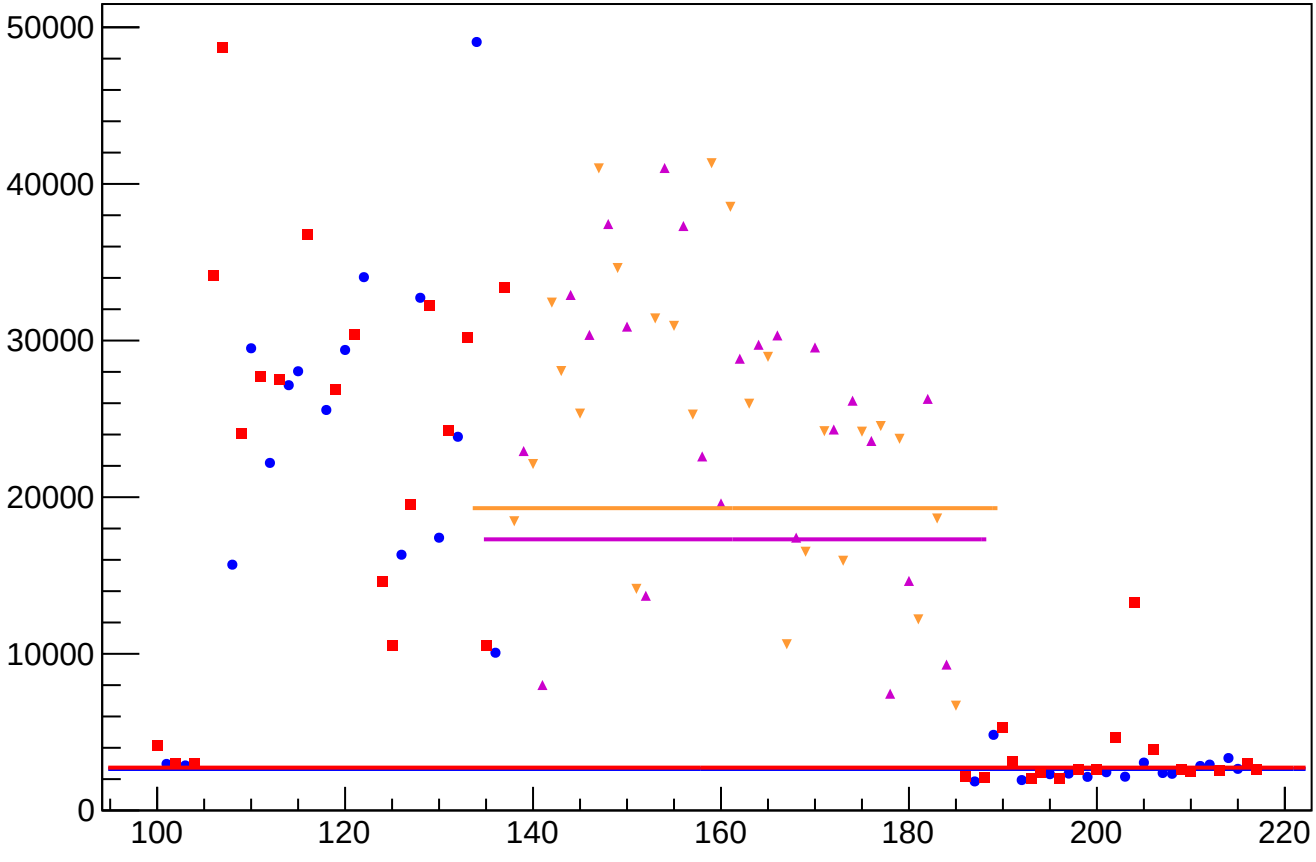
Right: 3.467+/-0.680 χ^2/NDF: 620.2/66

In: 10.475+/-0.944 χ^2/NDF:197.4/53

Out: -3.342+/-0.947 χ^2/NDF:357.6/60

All: 3.585+/-0.669 χ^2/NDF: 661.8/114

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: 2734.488+/-0.681 χ^2/NDF: 9432093.1/35

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

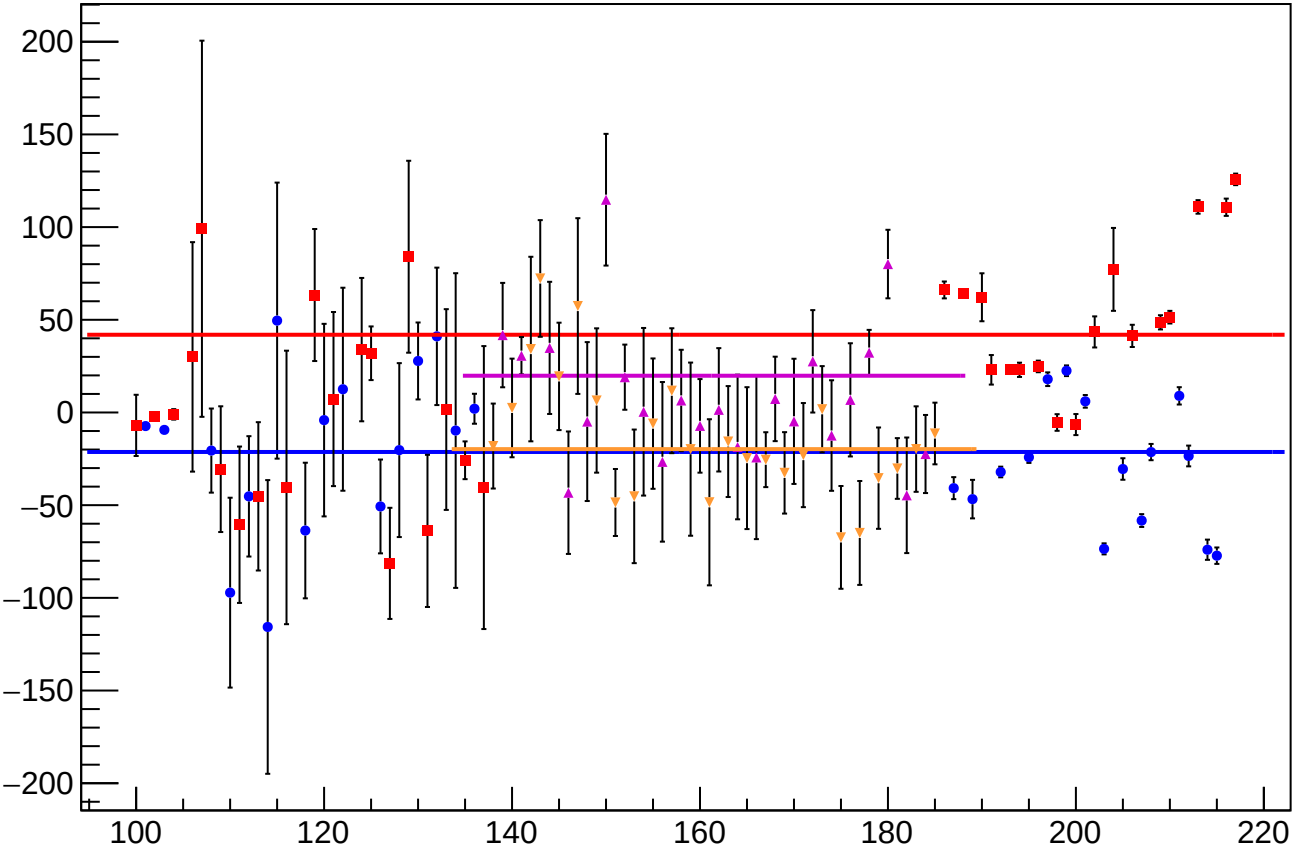
Right: 2691.176+/-0.481 χ^2/NDF: 17428737.9/66

In: 3152.373+/-0.668 χ^2/NDF:30727669.9/53

Out: 3277.833+/-0.669 χ^2/NDF:33892920.3/60

All: 3214.930+/-0.473 χ^2/NDF: 64638198.9/1

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: 41.929+/-0.865 χ^2/NDF: 2331.8/35

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

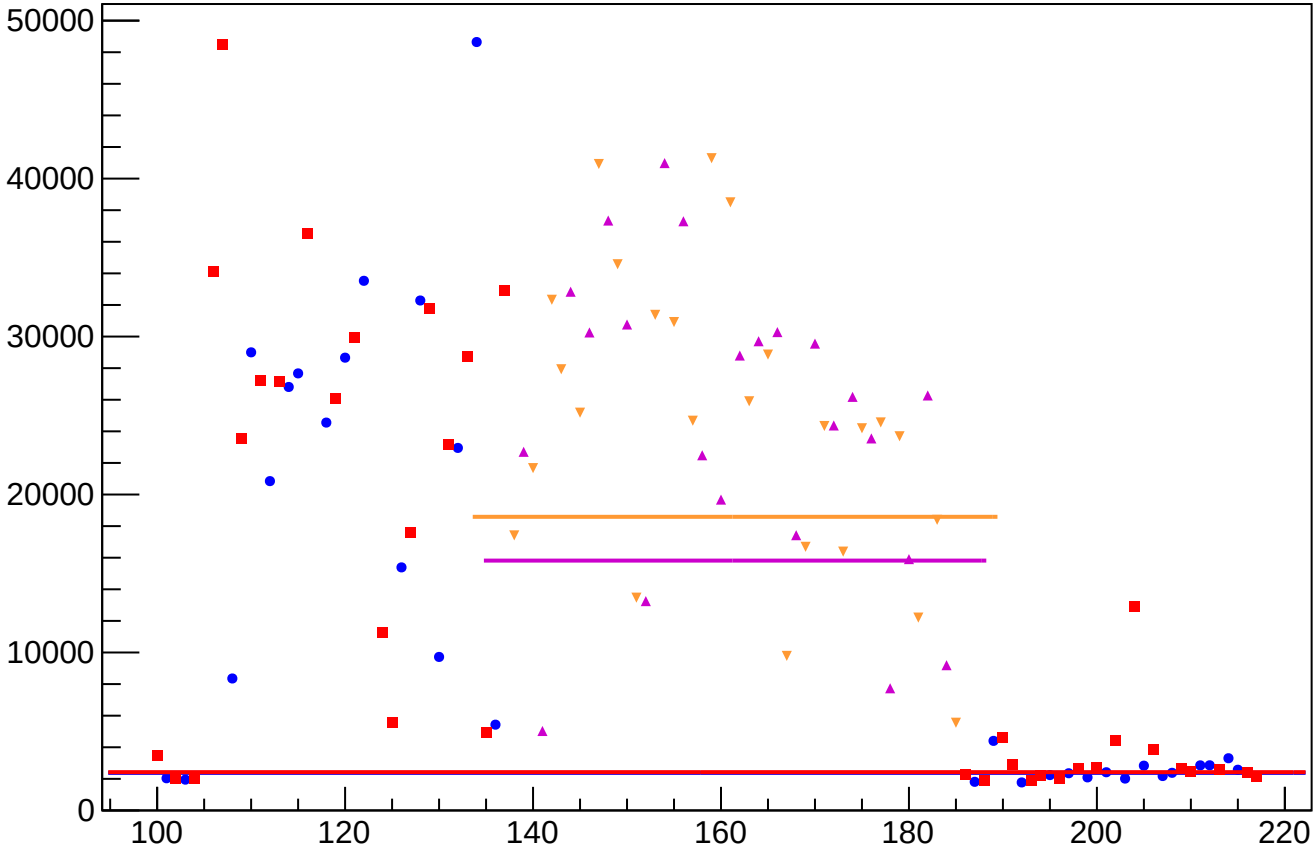
Right: 10.468+/-0.613 χ^2/NDF: 6225.6/66

In: -20.022+/-0.856 χ^2/NDF:1346.8/53

Out: 40.214+/-0.853 χ^2/NDF:2500.9/60

All: 10.192+/-0.604 χ^2/NDF: 6332.1/114

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: 2424.040+/-0.612 χ^2/NDF: 9032653.6/35

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

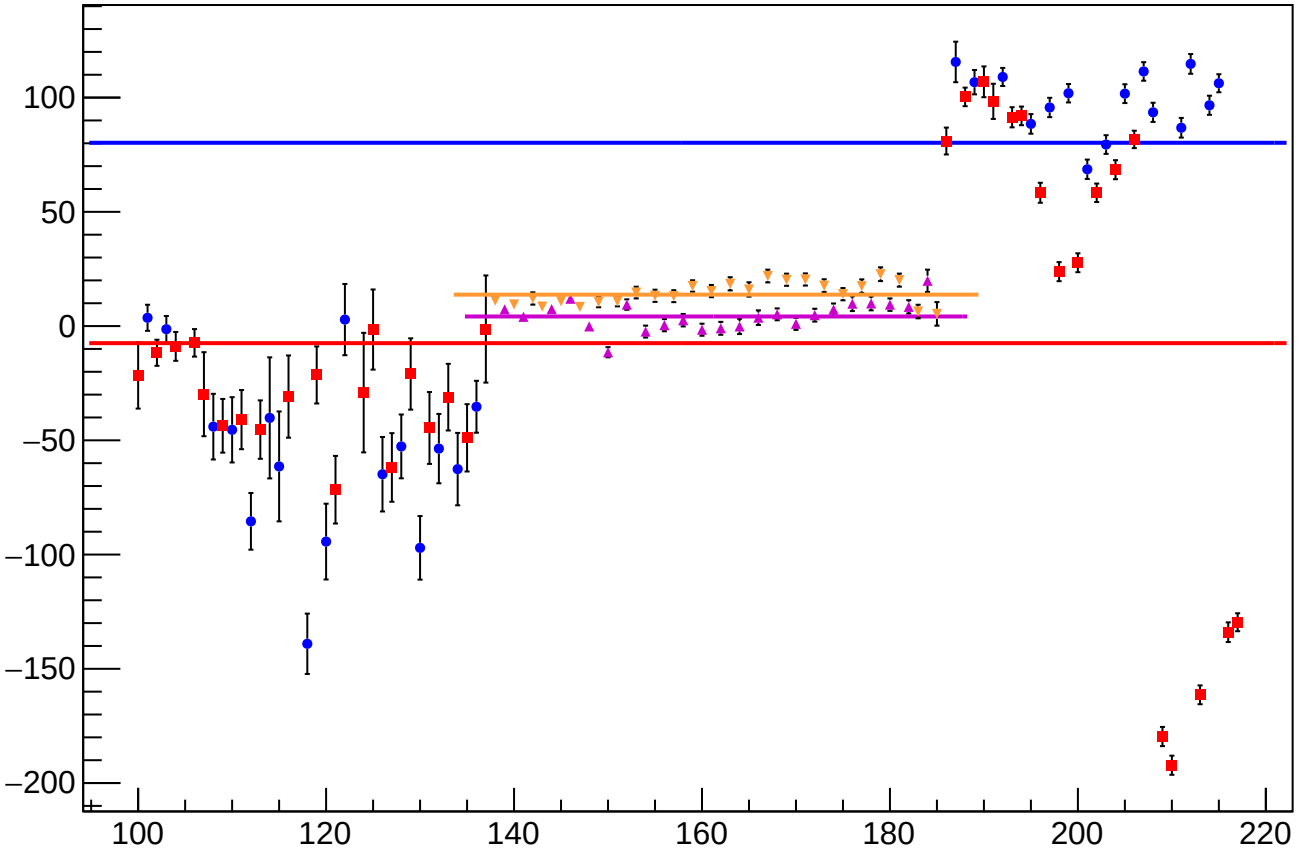
Right: 2401.764+/-0.434 χ^2/NDF: 16210117.0/66

In: 2798.522+/-0.605 χ^2/NDF:30484432.5/53

Out: 2873.478+/-0.603 χ^2/NDF:34138330.0/60

All: 2836.119+/-0.427 χ^2/NDF: 64630456.6/

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: -7.465+/-0.981 χ^2/NDF: 10930.7/35

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

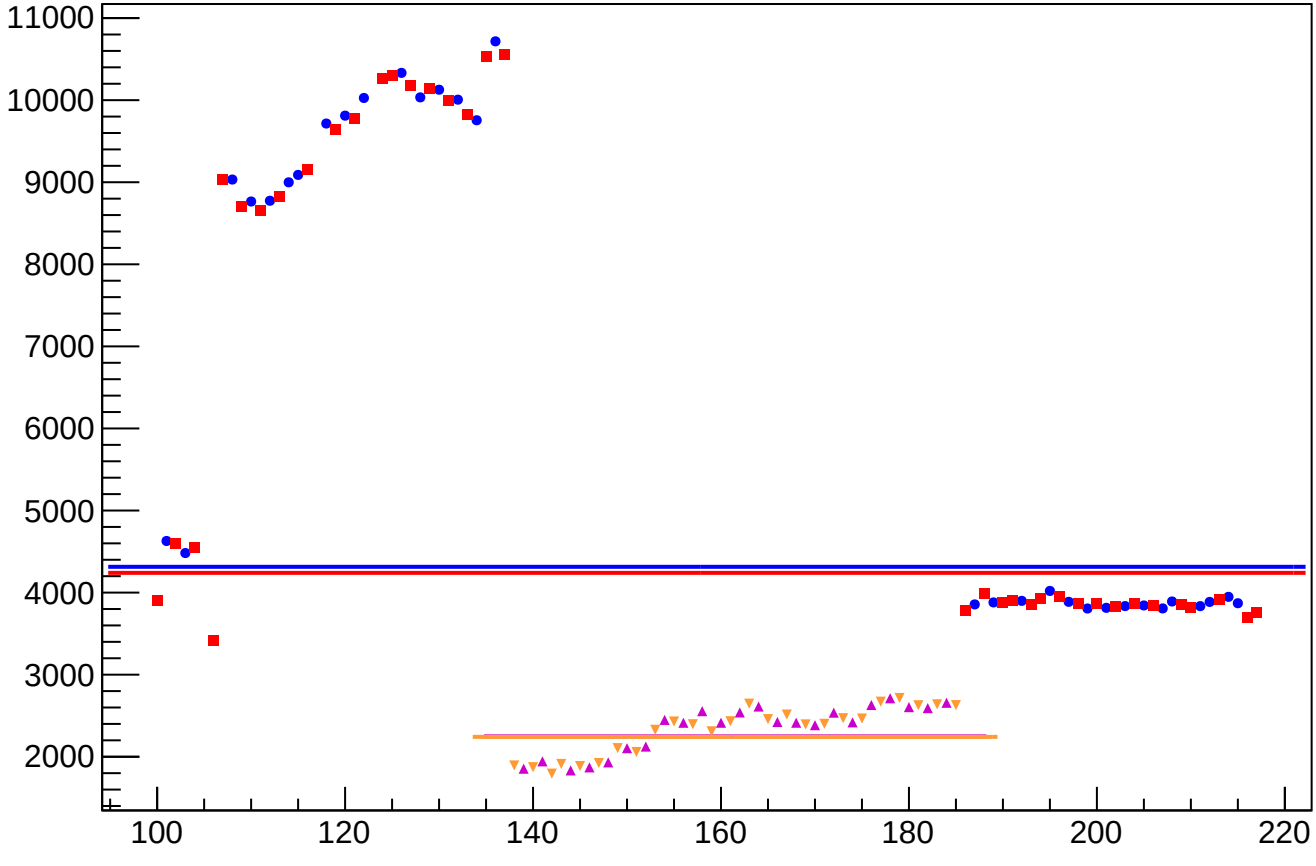
Right: 33.891+/-0.713 χ^2/NDF: 16843.0/66

In: 19.927+/-0.472 χ^2/NDF:6519.7/53

Out: 9.186+/-0.455 χ^2/NDF:11375.5/60

All: 14.362+/-0.328 χ^2/NDF: 18163.4/114

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: 4240.790+/-0.693 χ^2/NDF: 4049703.1/35

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

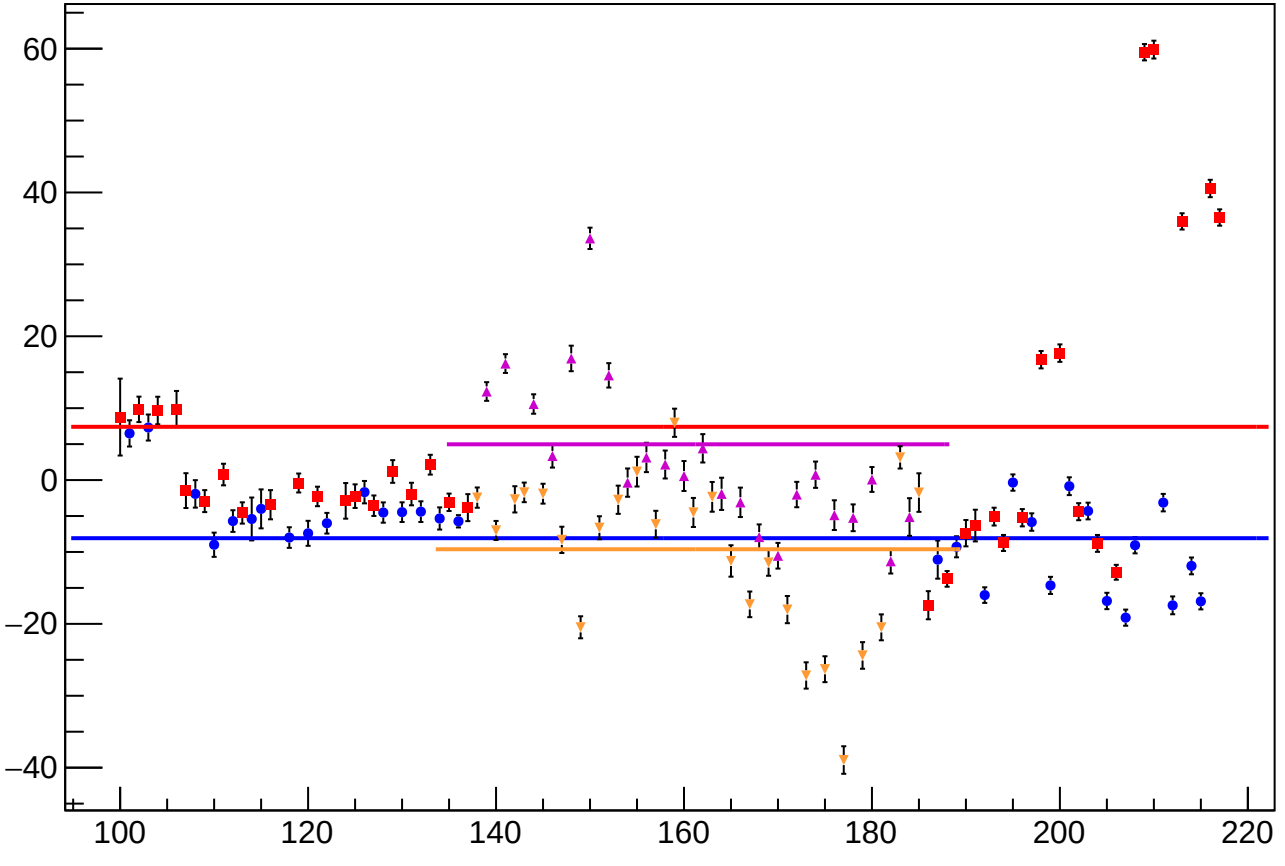
Right: 4275.448+/-0.504 χ^2/NDF: 8125185.6/66

In: 2675.842+/-0.334 χ^2/NDF:10994896.8/53

Out: 2673.057+/-0.322 χ^2/NDF:11223672.1/60

All: 2674.399+/-0.232 χ^2/NDF: 22218604.9/1

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: 7.407+/-0.235 χ^2/NDF: 8351.5/35

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

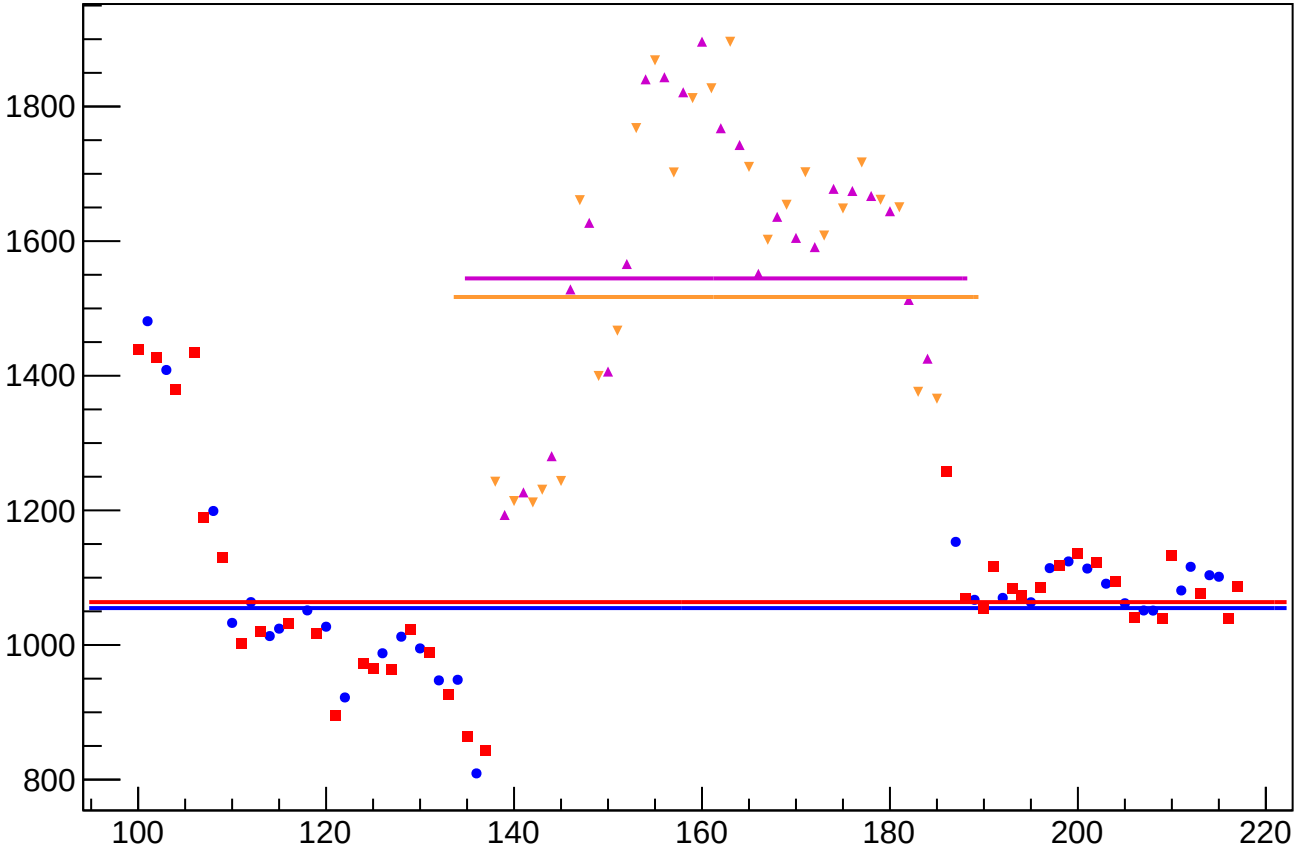
Right: -0.124+/-0.168 χ^2/NDF: 11149.4/66

In: -4.101+/-0.201 χ^2/NDF:2505.4/53

Out: 2.099+/-0.195 χ^2/NDF:10923.5/60

All: -0.900+/-0.140 χ^2/NDF: 13918.5/114

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1054.817+/-0.171 χ^2/NDF: 443380.2/30

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1063.714+/-0.166 χ^2/NDF: 415954.4/35

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

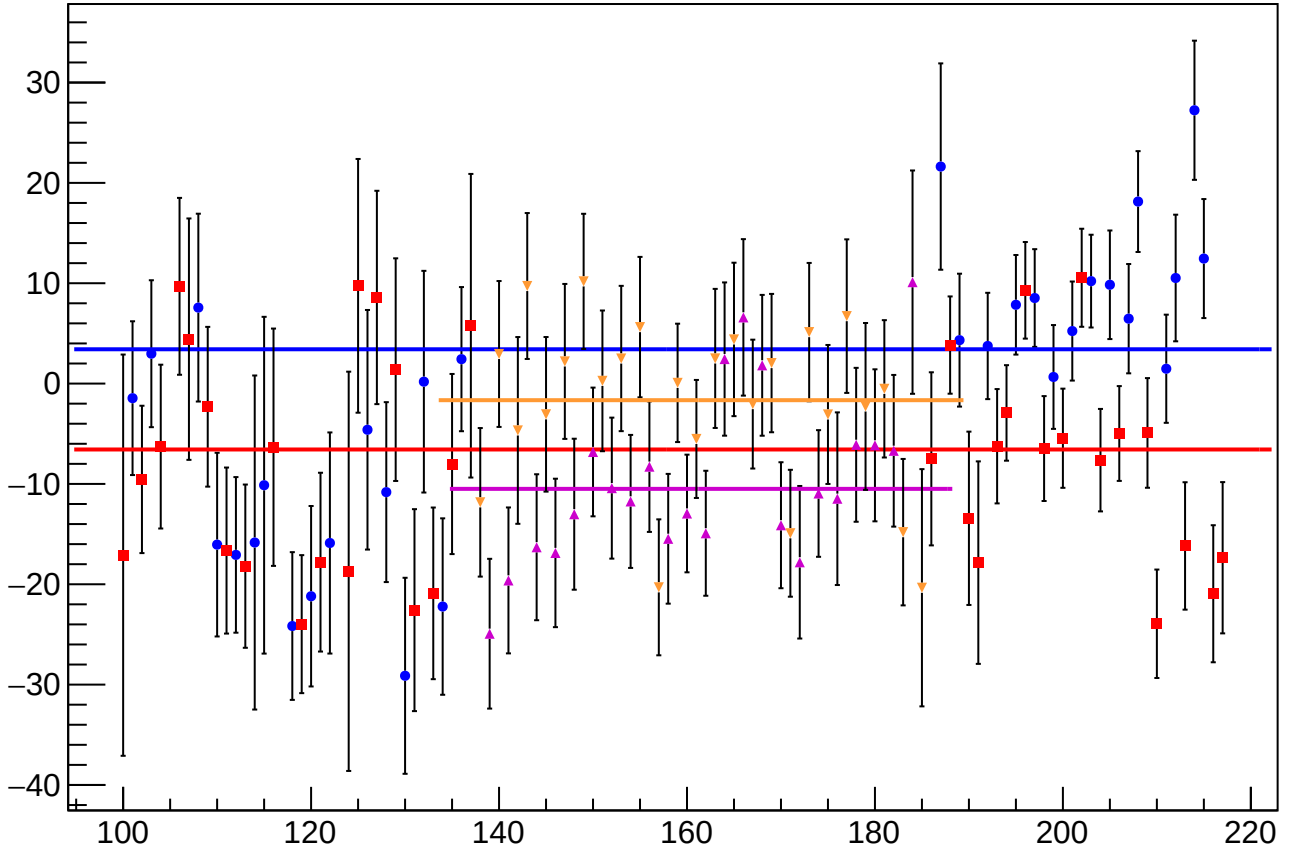
Right: 1059.389+/-0.119 χ^2/NDF: 860729.1/66

In: 1204.202+/-0.142 χ^2/NDF:3590439.4/53

Out: 1205.000+/-0.138 χ^2/NDF:3569897.9/60

All: 1204.614+/-0.099 χ^2/NDF: 7160353.6/11

diff_bpm0l05X_mean vs Slug, Sign Corrected



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: -6.568+/-1.163 χ^2/NDF: 76.7/35

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

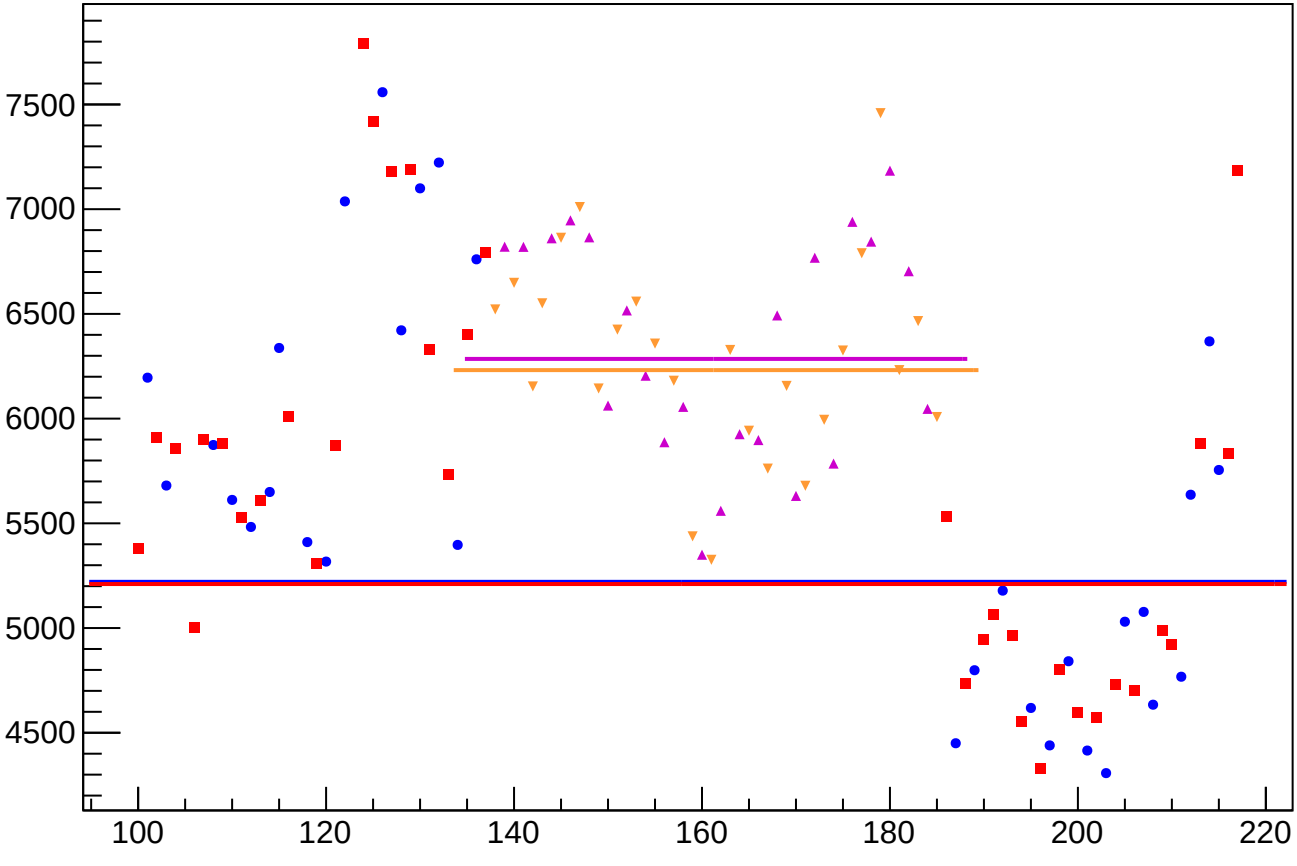
Right: -1.769+/-0.838 χ^2/NDF: 207.0/66

In: -2.149+/-0.936 χ^2/NDF:172.8/53

Out: -4.607+/-0.901 χ^2/NDF:115.3/60

All: -3.425+/-0.649 χ^2/NDF: 291.7/114

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5220.616+/-0.855 χ^2/NDF: 834661.2/30

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5210.109+/-0.822 χ^2/NDF: 834324.8/35

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

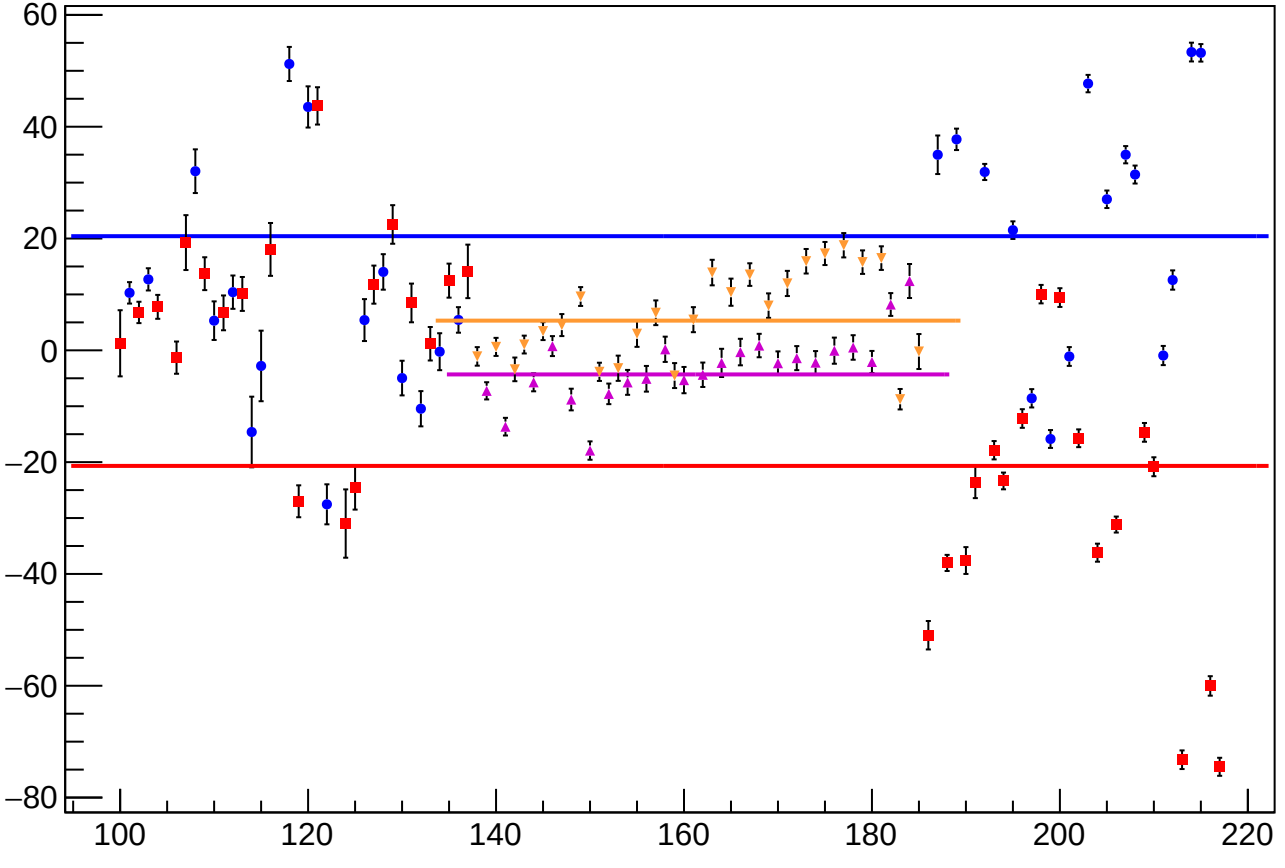
Right: 5215.158+/-0.592 χ^2/NDF: 1669064.5/66

In: 5646.600+/-0.662 χ^2/NDF:1720788.9/53

Out: 5617.839+/-0.637 χ^2/NDF:1677616.0/60

All: 5631.673+/-0.459 χ^2/NDF: 3399384.8/11

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: -20.674+/-0.359 χ^2/NDF: 5643.9/35

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

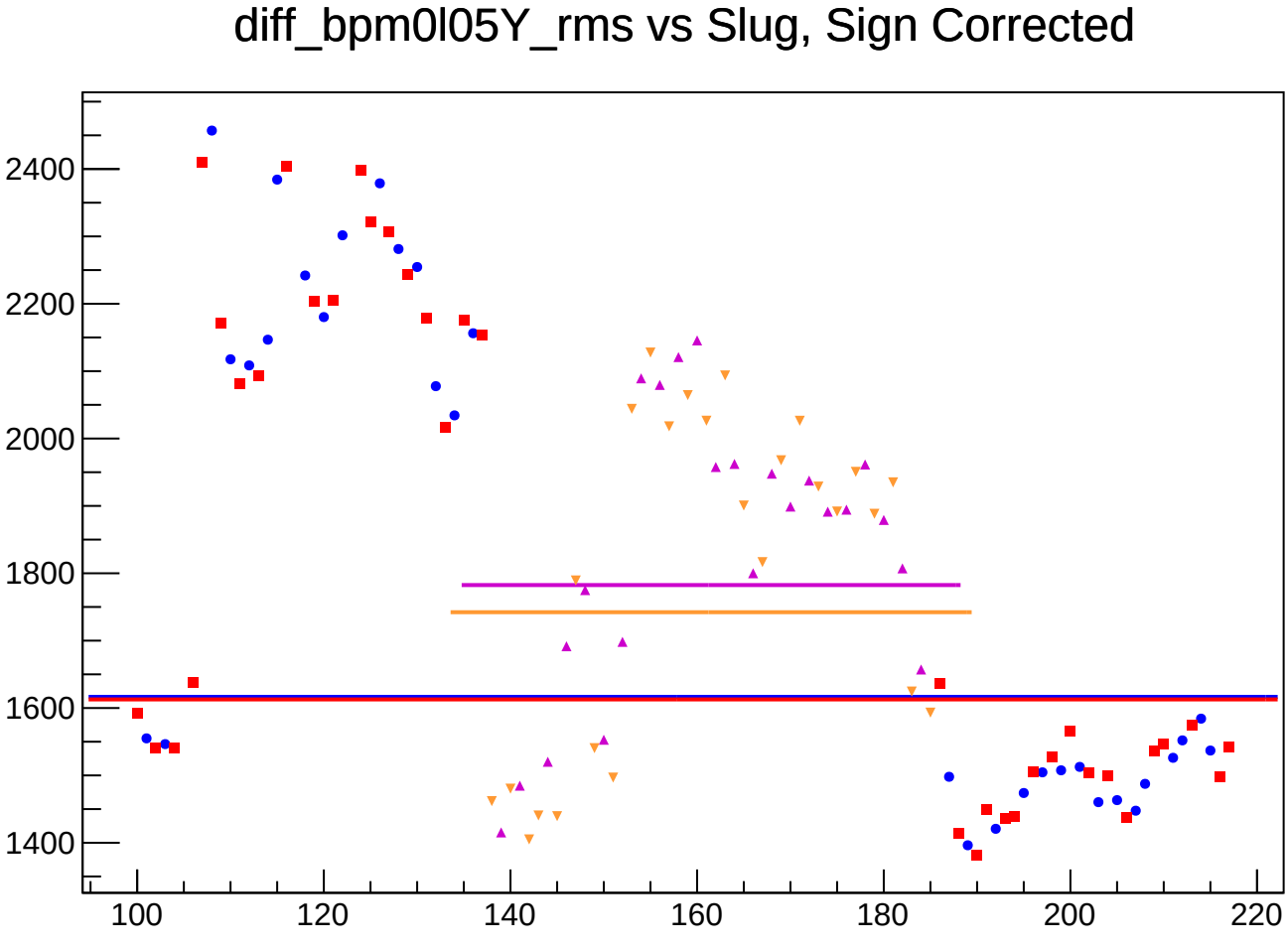
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: -0.917+/-0.259 χ^2/NDF: 15267.2/66

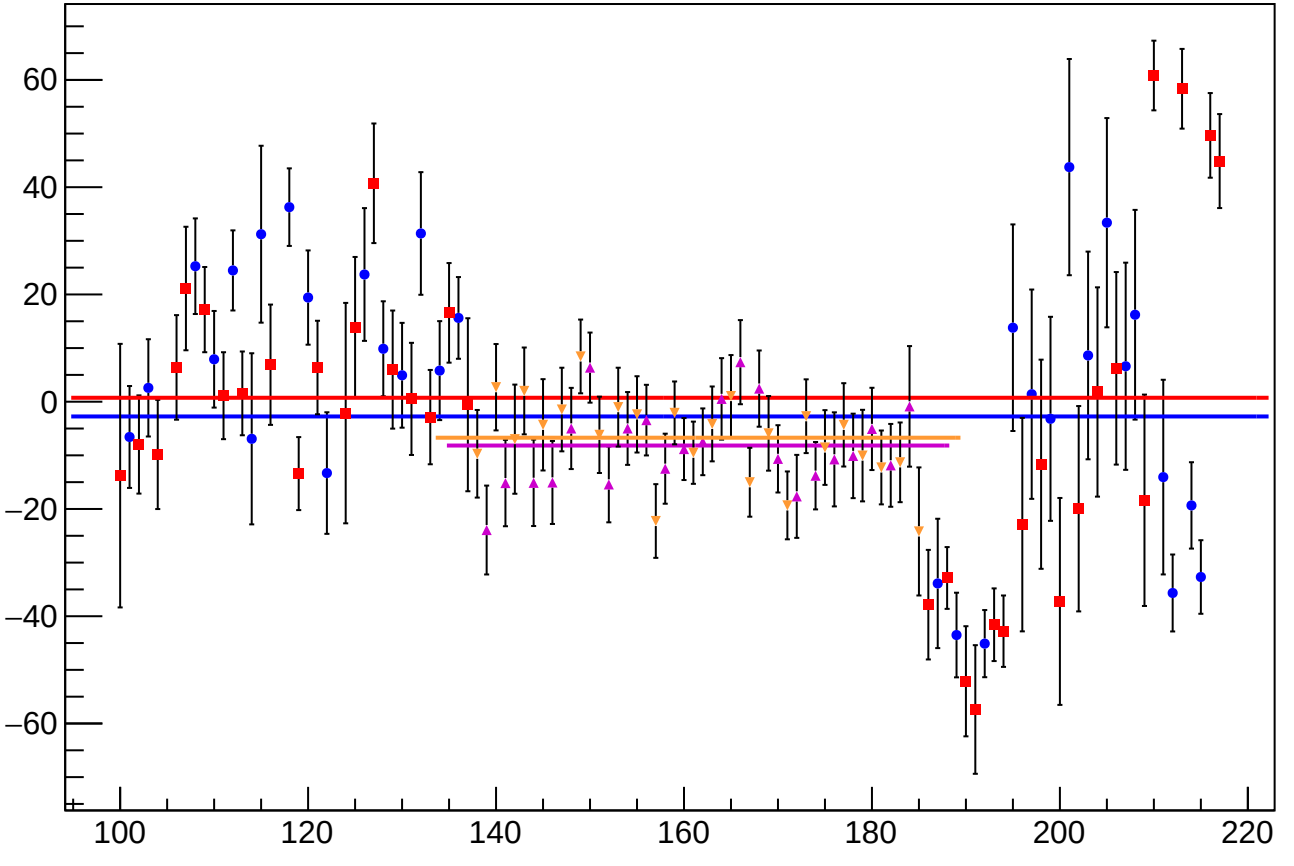
In: 9.510+/-0.279 χ^2/NDF:5486.1/53

Out: -9.086+/-0.267 χ^2/NDF:8356.6/60

All: -0.185+/-0.193 χ^2/NDF: 16158.7/114


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: 1612.782+/-0.254 χ²/NDF: 1059997.8/35
Left In: 1782.502+/-0.297 χ²/NDF:534374.9/22
Left: 1761.391+/-0.205 χ²/NDF: 1311677.3/47
Right: 1614.616+/-0.183 χ²/NDF: 2141841.1/66
In: 1689.782+/-0.197 χ²/NDF:1790448.2/53
Out: 1670.500+/-0.189 χ²/NDF:1943493.1/60
All: 1679.729+/-0.136 χ²/NDF: 3738921.6/11

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: 0.736+/-1.614 χ^2/NDF: 429.7/35

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

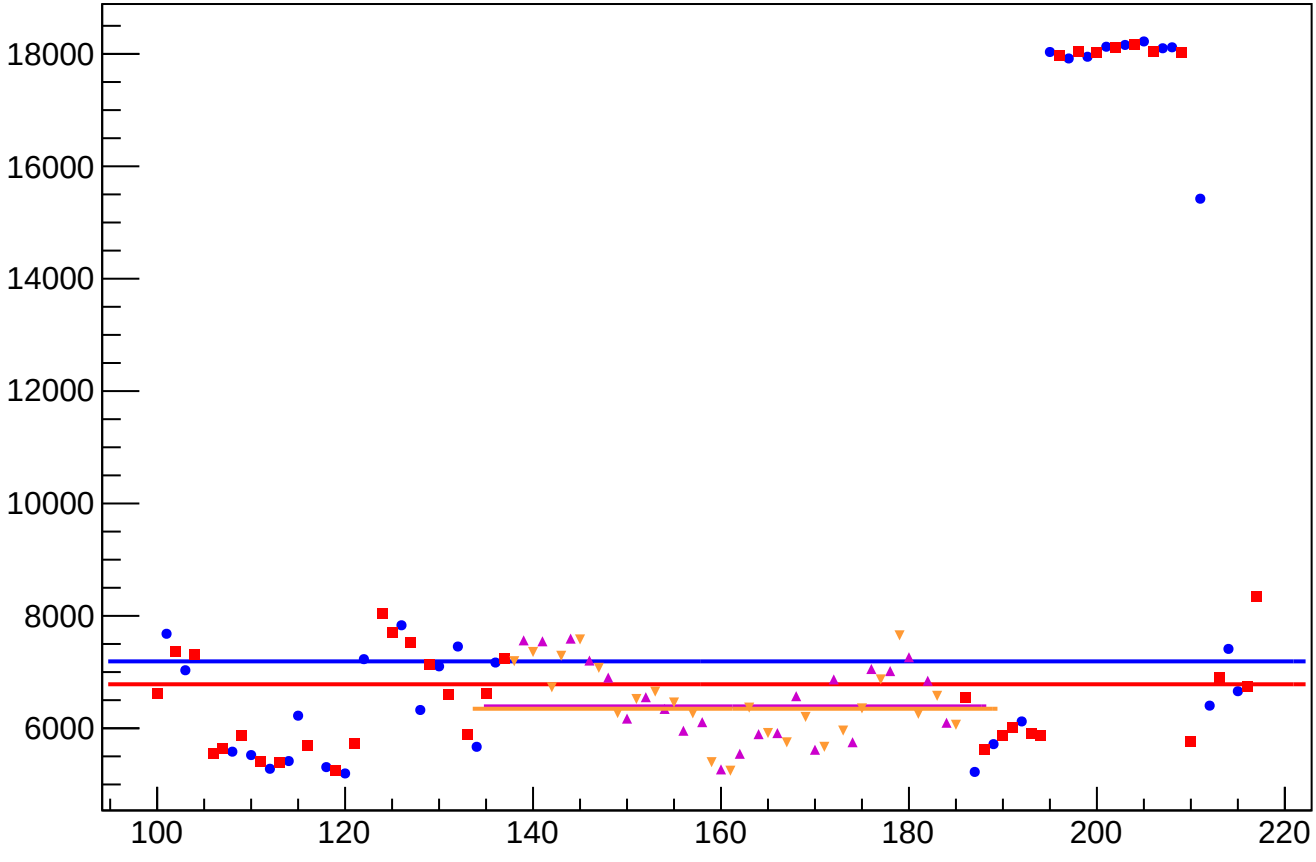
Right: -0.818+/-1.202 χ^2/NDF: 655.2/66

In: -5.932+/-1.157 χ^2/NDF:252.9/53

Out: -3.367+/-1.082 χ^2/NDF:467.1/60

All: -4.564+/-0.790 χ^2/NDF: 722.7/114

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 7190.413+/-1.273 χ^2/NDF: 6261677.4/30

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6782.884+/-1.142 χ^2/NDF: 5500600.5/35

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

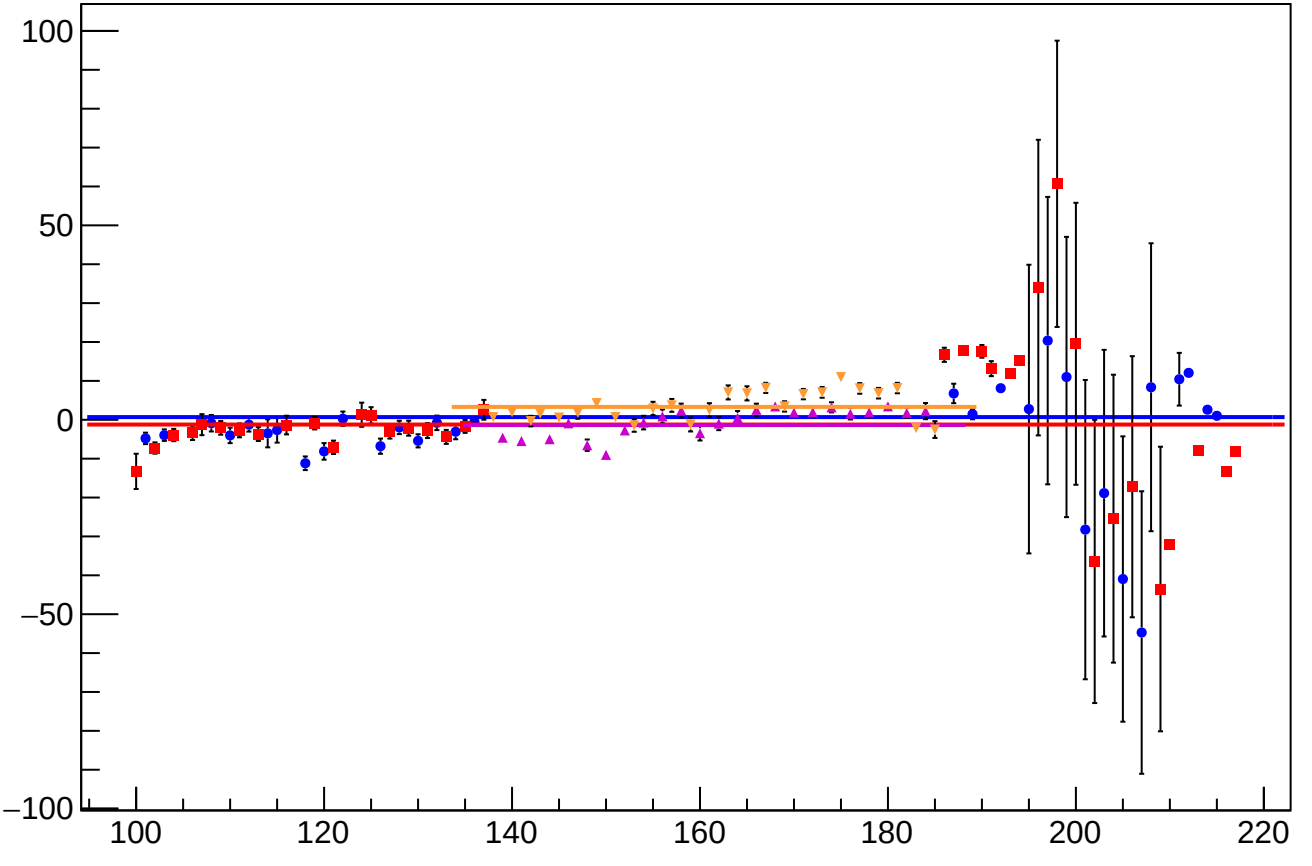
Right: 6964.560+/-0.850 χ^2/NDF: 11819091.9/66

In: 6720.260+/-0.818 χ^2/NDF:6913886.6/53

Out: 6542.930+/-0.765 χ^2/NDF:5966832.4/60

All: 6625.670+/-0.559 χ^2/NDF: 12905786.6/1

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: -1.228+/-0.287 χ^2/NDF: 1881.6/35

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

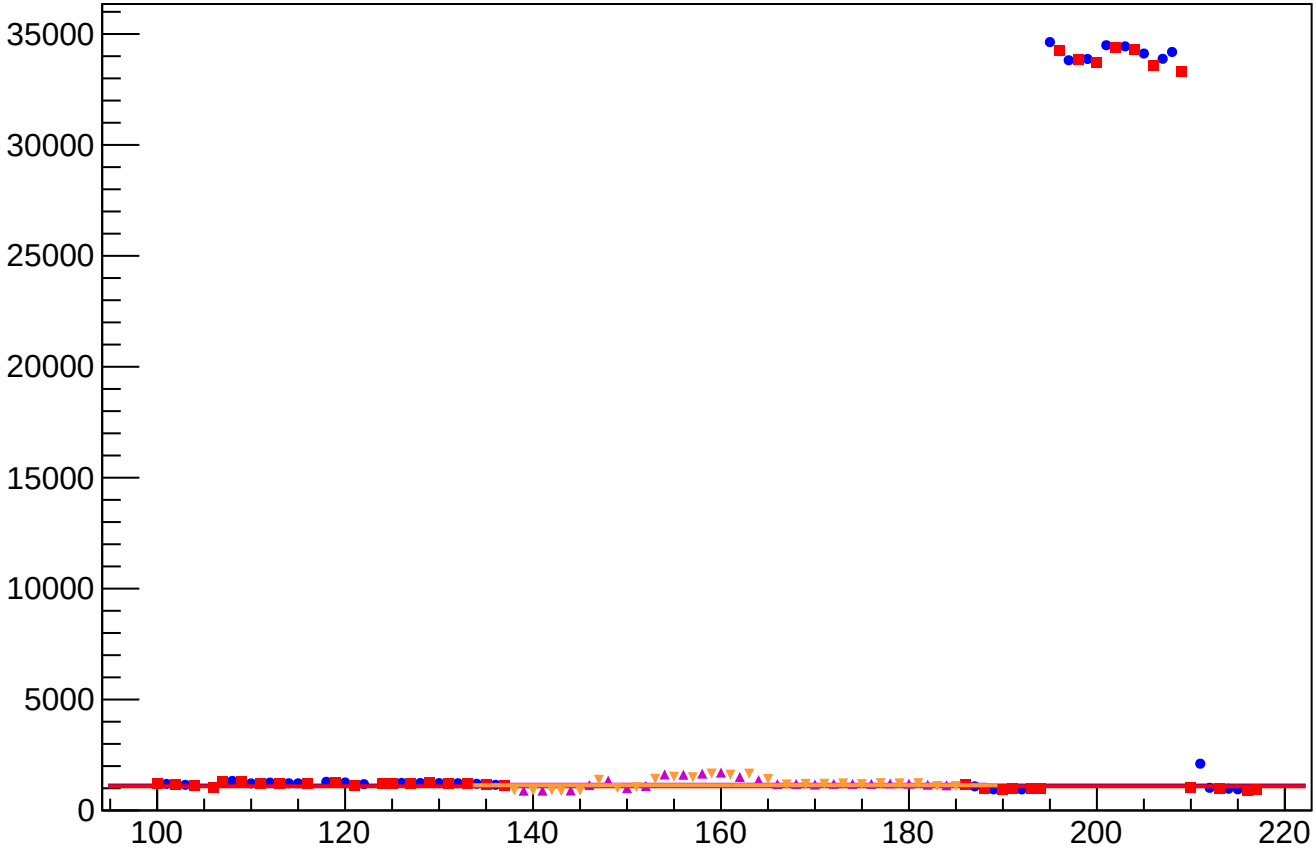
Right: -0.386+/-0.215 χ^2/NDF: 2209.7/66

In: -0.494+/-0.210 χ^2/NDF:527.8/53

Out: 1.227+/-0.194 χ^2/NDF:2194.7/60

All: 0.434+/-0.143 χ^2/NDF: 2758.6/114

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: 1088.622+/-0.203 χ^2/NDF: 11815549.2/35

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

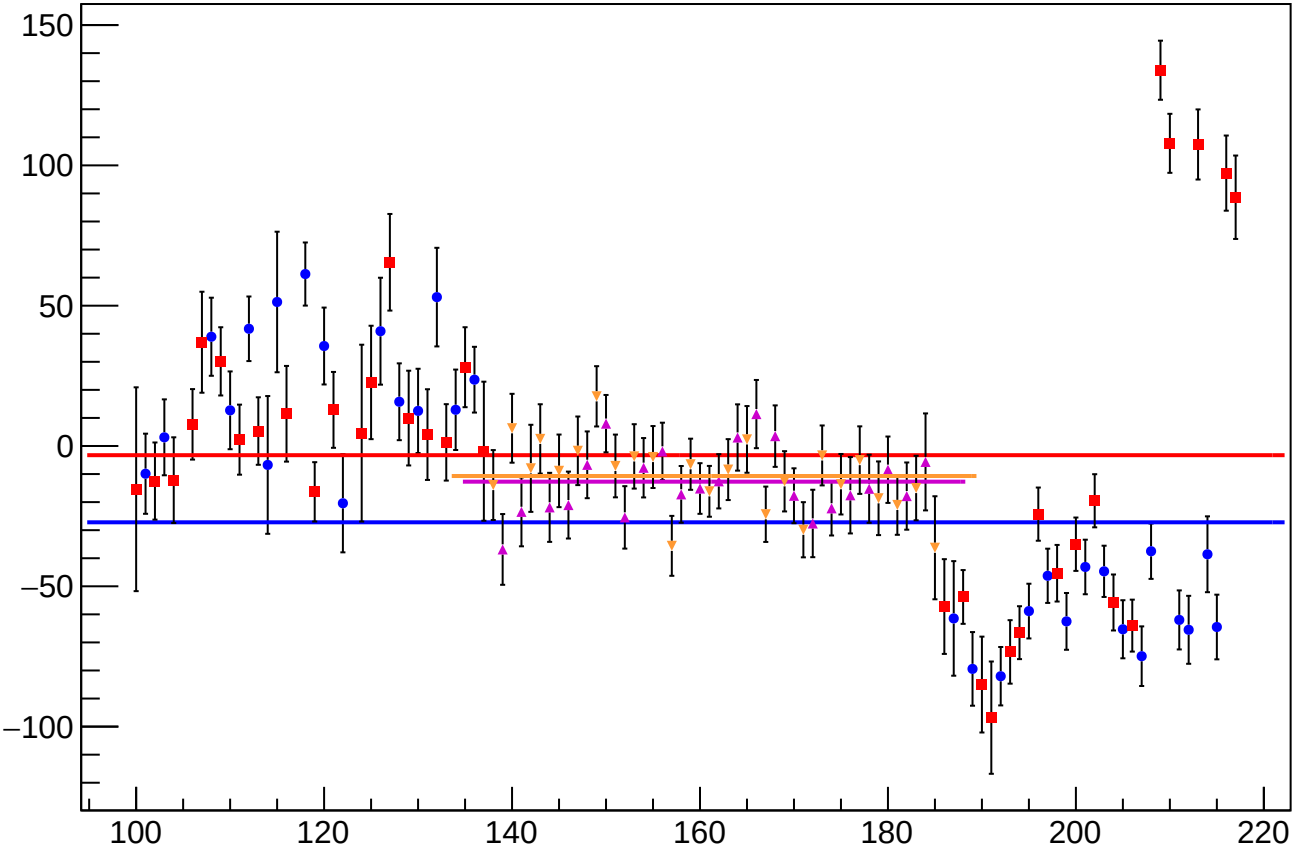
Right: 1103.087+/-0.152 χ^2/NDF: 25018996.2/66

In: 1143.482+/-0.149 χ^2/NDF:14467456.9/53

Out: 1114.869+/-0.138 χ^2/NDF:13316160.5/60

All: 1128.045+/-0.101 χ^2/NDF: 27803554.1/1

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: -3.275+/-2.119 χ^2/NDF: 770.1/35

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

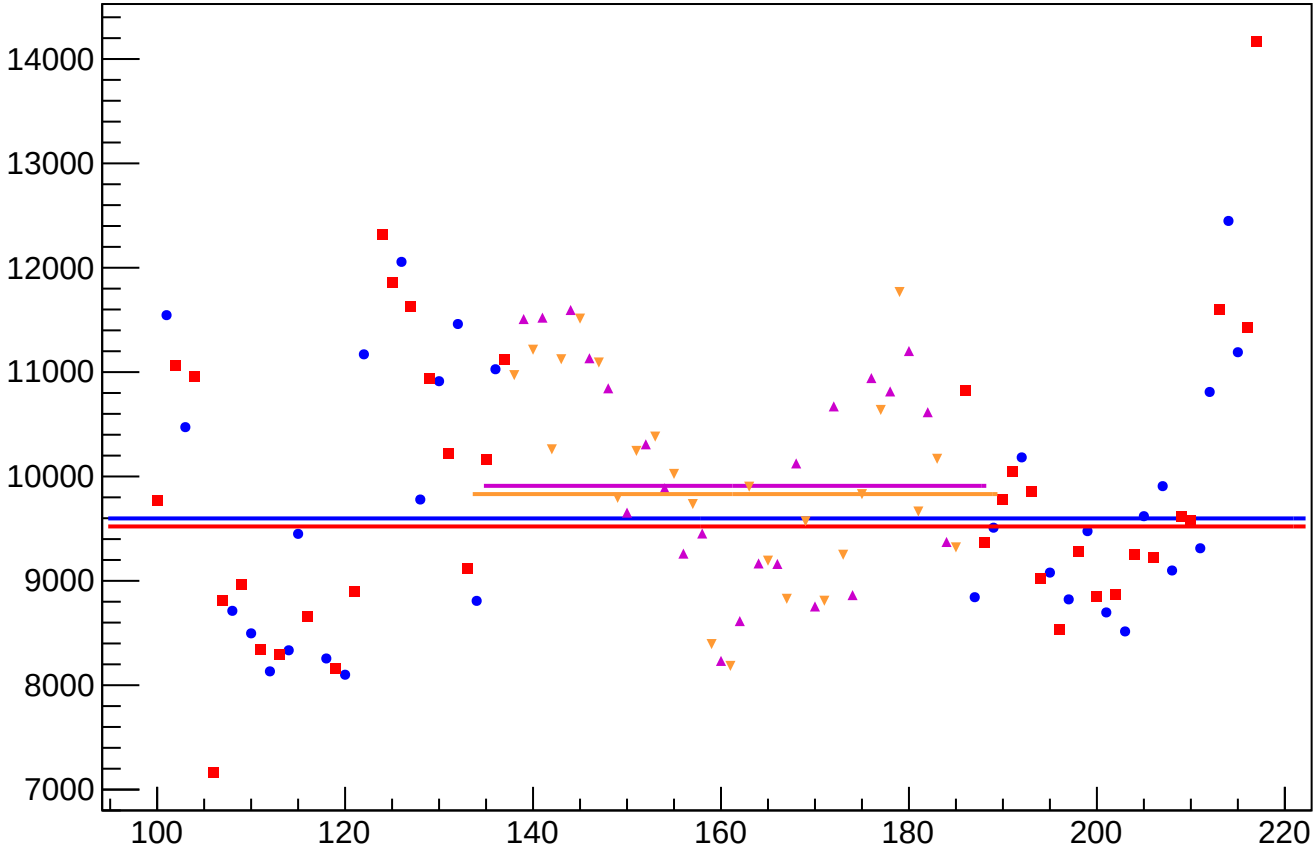
Right: -14.720+/-1.530 χ^2/NDF: 1221.4/66

In: -20.366+/-1.608 χ^2/NDF:434.6/53

Out: -6.752+/-1.545 χ^2/NDF:804.5/60

All: -13.287+/-1.114 χ^2/NDF: 1276.4/114

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9598.225+/-1.564 χ^2/NDF: 508698.8/30

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9521.147+/-1.498 χ^2/NDF: 665469.1/35

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

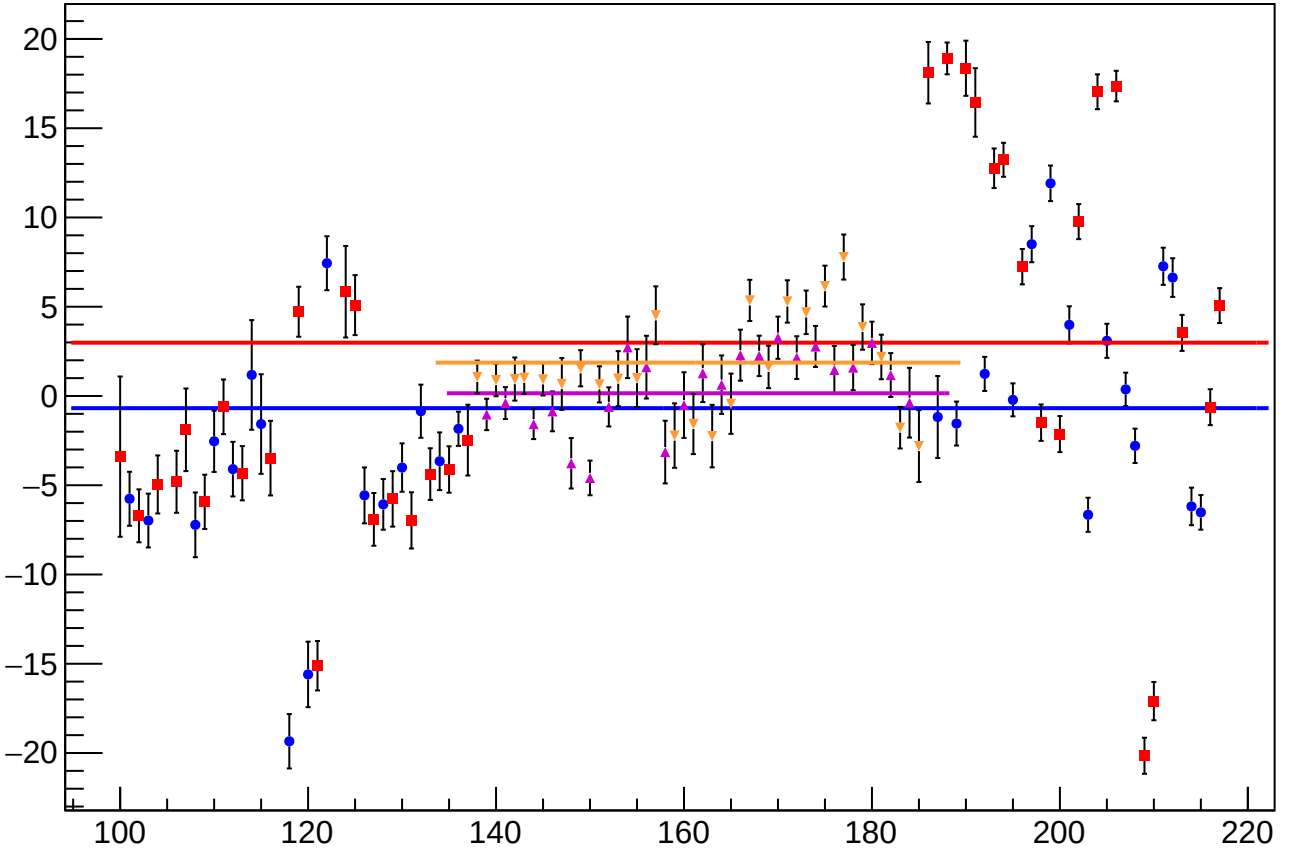
Right: 9558.026+/-1.082 χ^2/NDF: 1175434.1/66

In: 9745.456+/-1.137 χ^2/NDF:916843.0/53

Out: 9666.431+/-1.092 χ^2/NDF:1041666.4/60

All: 9704.366+/-0.788 χ^2/NDF: 1961021.5/11

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: 2.987+/-0.211 χ^2/NDF: 2753.9/35

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

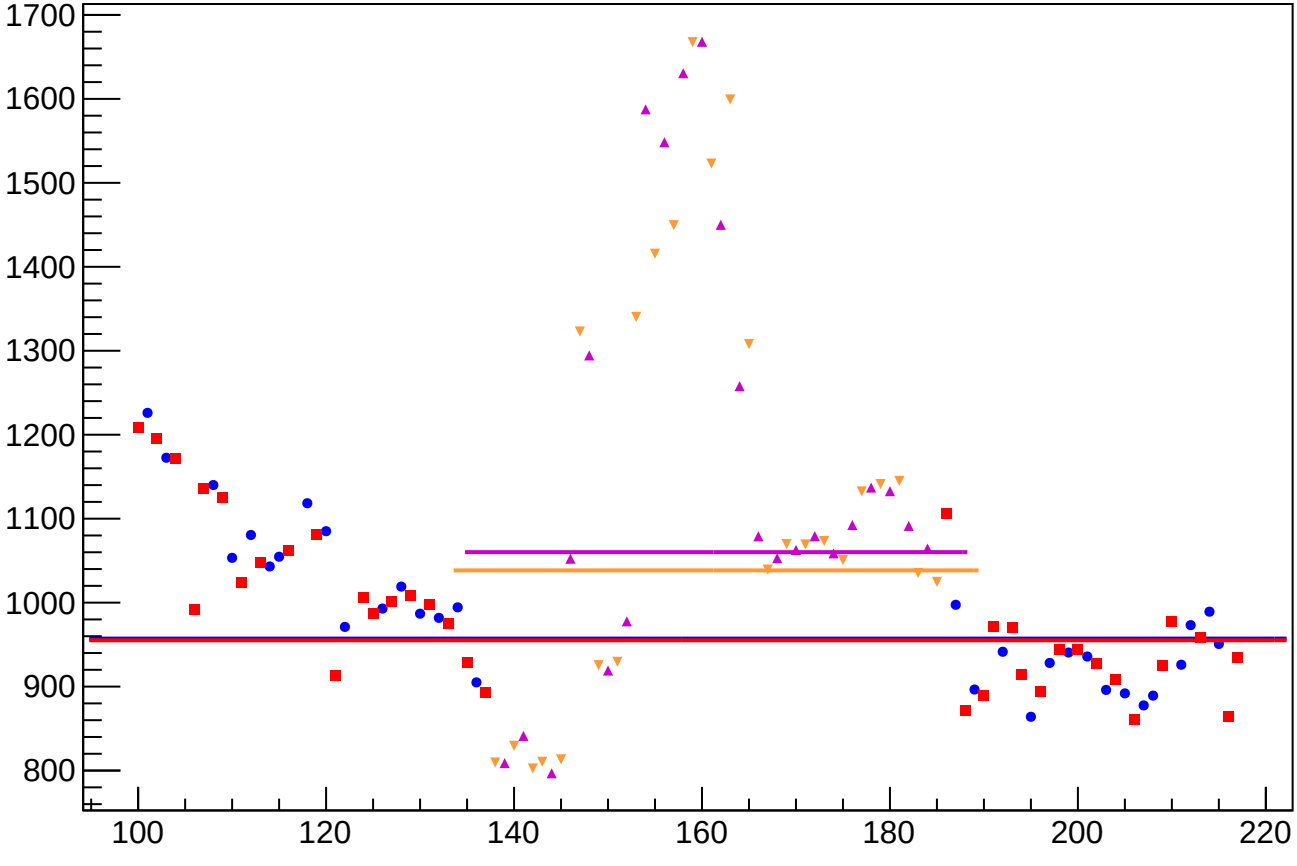
Right: 1.222+/-0.152 χ^2/NDF: 3724.4/66

In: -0.328+/-0.166 χ^2/NDF:906.3/53

Out: 2.507+/-0.159 χ^2/NDF:2869.2/60

All: 1.149+/-0.115 χ^2/NDF: 3927.7/114

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: 955.180+/-0.149 χ^2/NDF: 276963.5/35

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

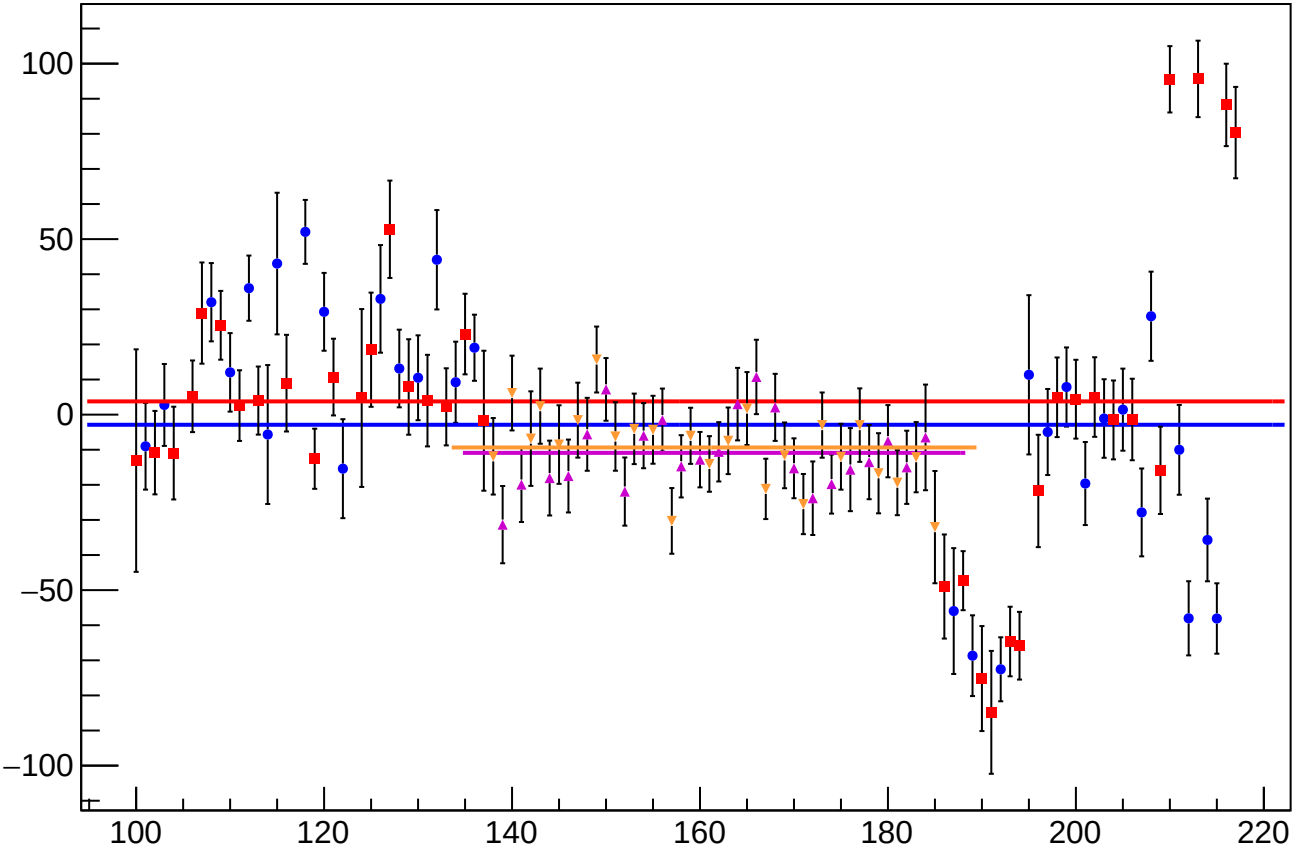
Right: 956.129+/-0.107 χ^2/NDF: 546046.4/66

In: 1000.904+/-0.117 χ^2/NDF:1980730.2/53

Out: 990.936+/-0.112 χ^2/NDF:2117843.6/60

All: 995.712+/-0.081 χ^2/NDF: 4102337.3/114

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: 3.770+/-1.977 χ^2/NDF: 491.5/35

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

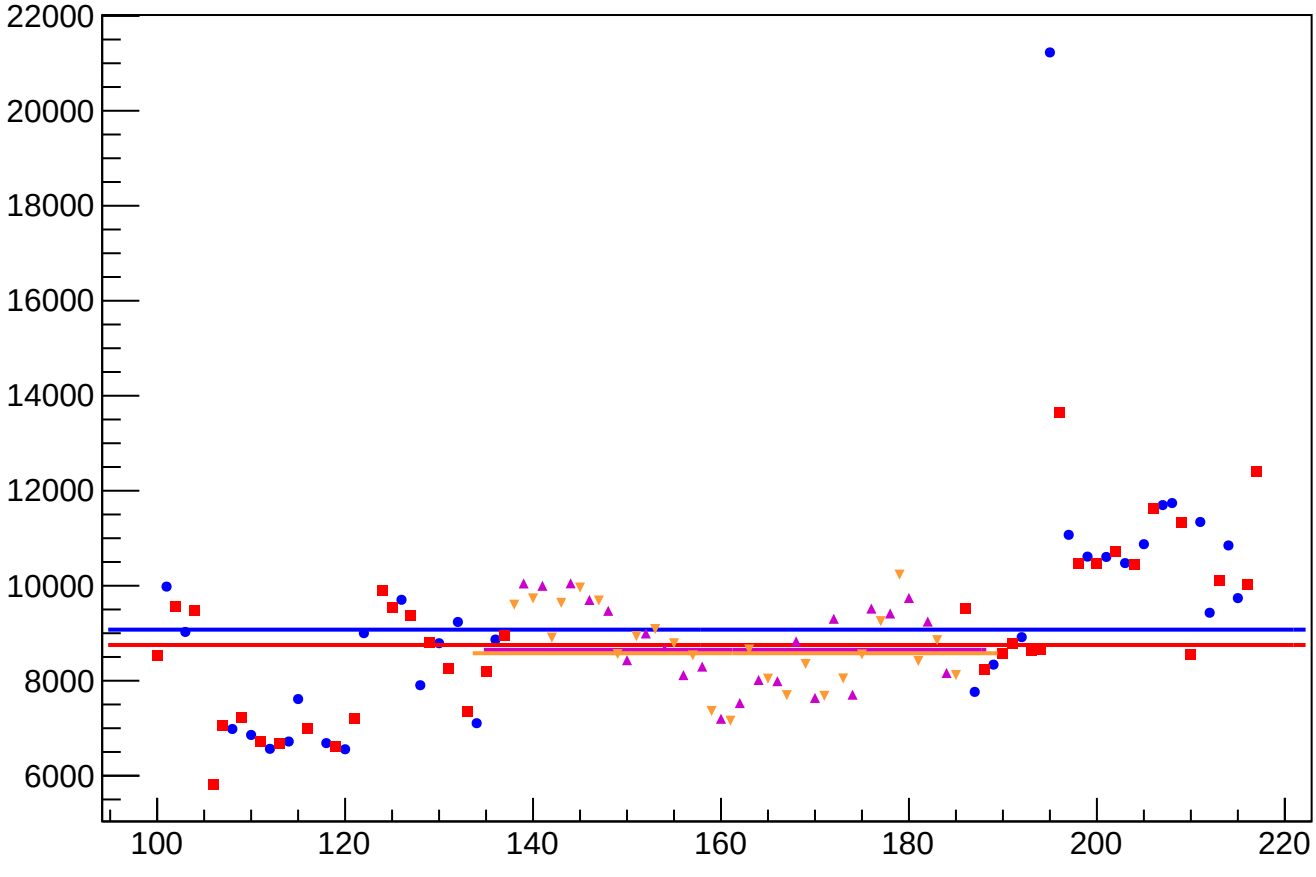
Right: 0.682+/-1.448 χ^2/NDF: 782.5/66

In: -7.052+/-1.473 χ^2/NDF:316.6/53

Out: -2.818+/-1.395 χ^2/NDF:542.2/60

All: -4.820+/-1.013 χ^2/NDF: 863.2/114

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 9075.358+/-1.504 χ^2/NDF: 1762196.6/30

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8752.216+/-1.398 χ^2/NDF: 1500543.5/35

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

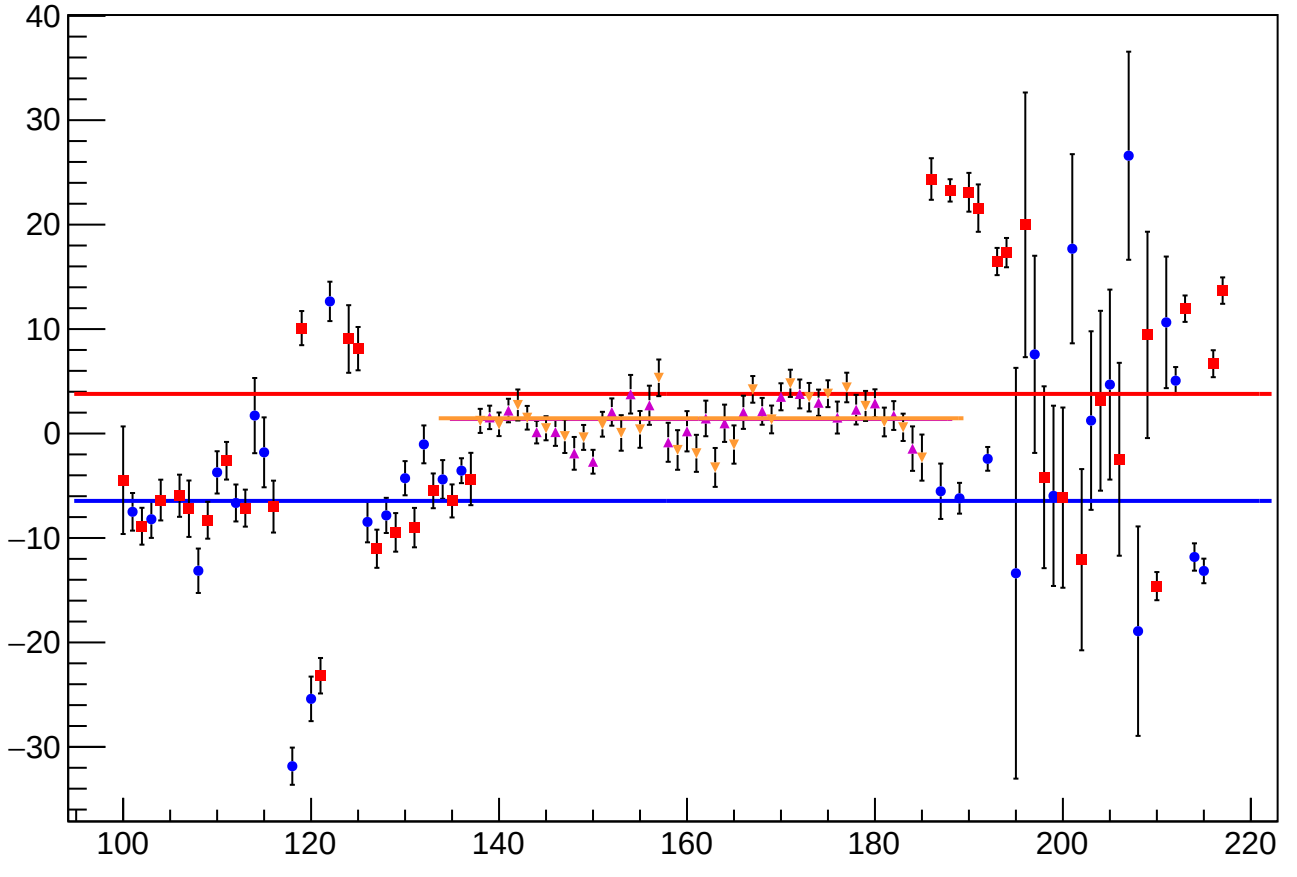
Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

Right: 8902.026+/-1.024 χ^2/NDF: 3287517.5/66

In: 8853.734+/-1.042 χ^2/NDF:2181905.7/53

Out: 8664.973+/-0.986 χ^2/NDF:1852026.3/60

All: 8754.230+/-0.716 χ^2/NDF: 4051245.1/11



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: 3.793+/-0.314 χ^2/NDF: 1857.1/35

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

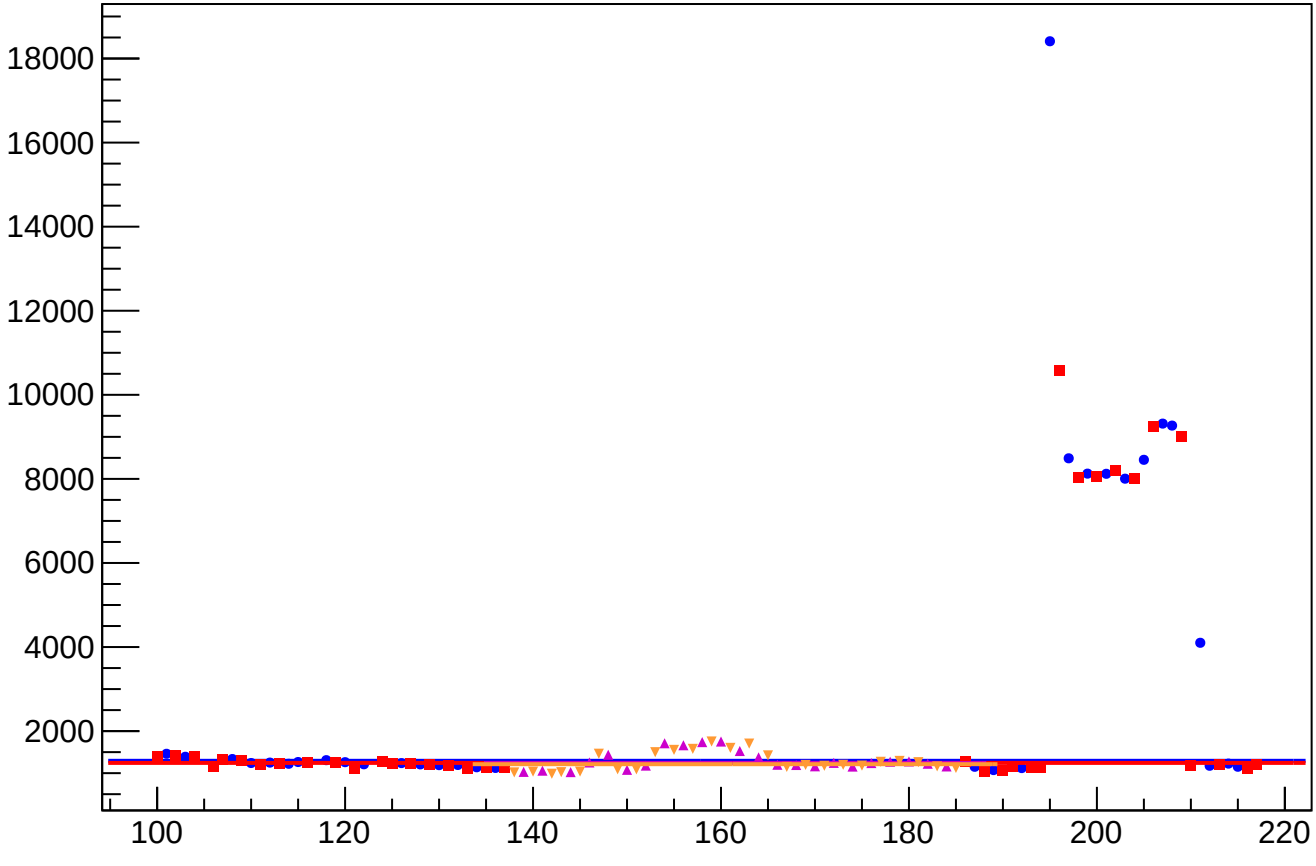
Right: -0.739+/-0.234 χ^2/NDF: 2924.2/66

In: -1.832+/-0.226 χ^2/NDF:923.1/53

Out: 2.497+/-0.209 χ^2/NDF:1938.8/60

All: 0.498+/-0.153 χ^2/NDF: 3059.6/114

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1293.399+/-0.249 χ^2/NDF: 10754052.2/30

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1244.031+/-0.222 χ^2/NDF: 9033201.1/35

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

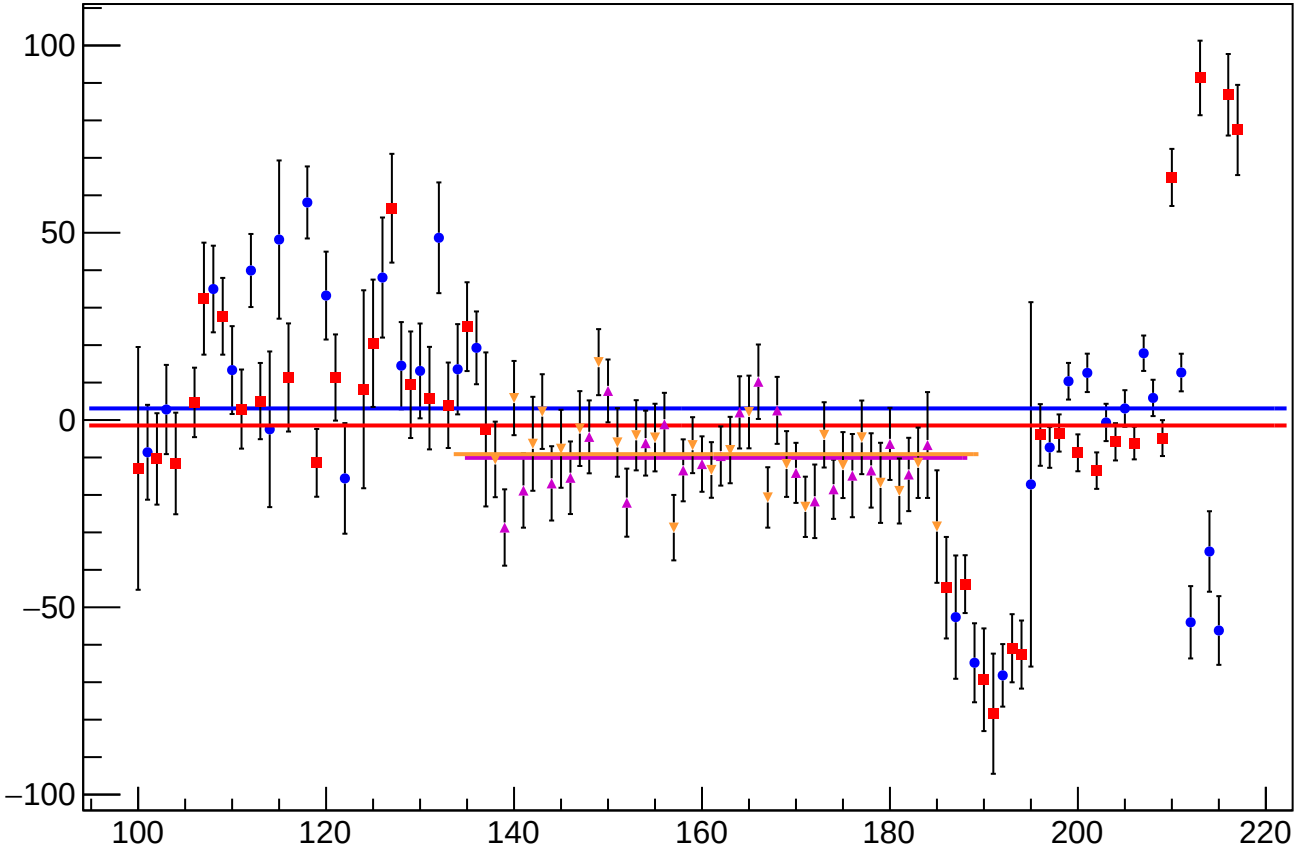
Right: 1265.877+/-0.166 χ^2/NDF: 19809145.4/66

In: 1261.458+/-0.160 χ^2/NDF:11667555.7/53

Out: 1226.926+/-0.148 χ^2/NDF:10056648.4/60

All: 1242.869+/-0.109 χ^2/NDF: 21749372.0/1

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 3.100+/-1.433 χ^2/NDF: 327.2/30

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -1.455+/-1.425 χ^2/NDF: 500.6/35

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

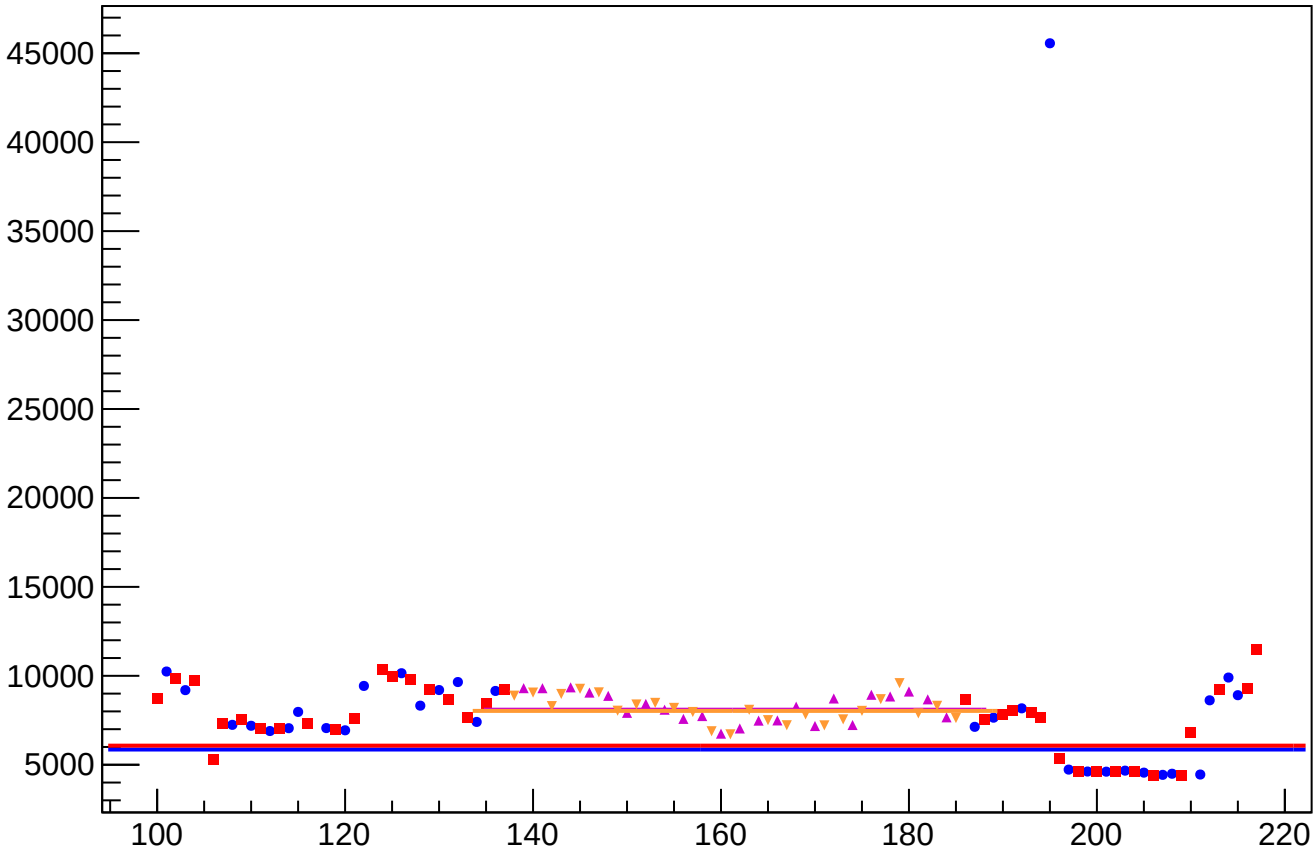
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: 0.809+/-1.010 χ^2/NDF: 832.8/66

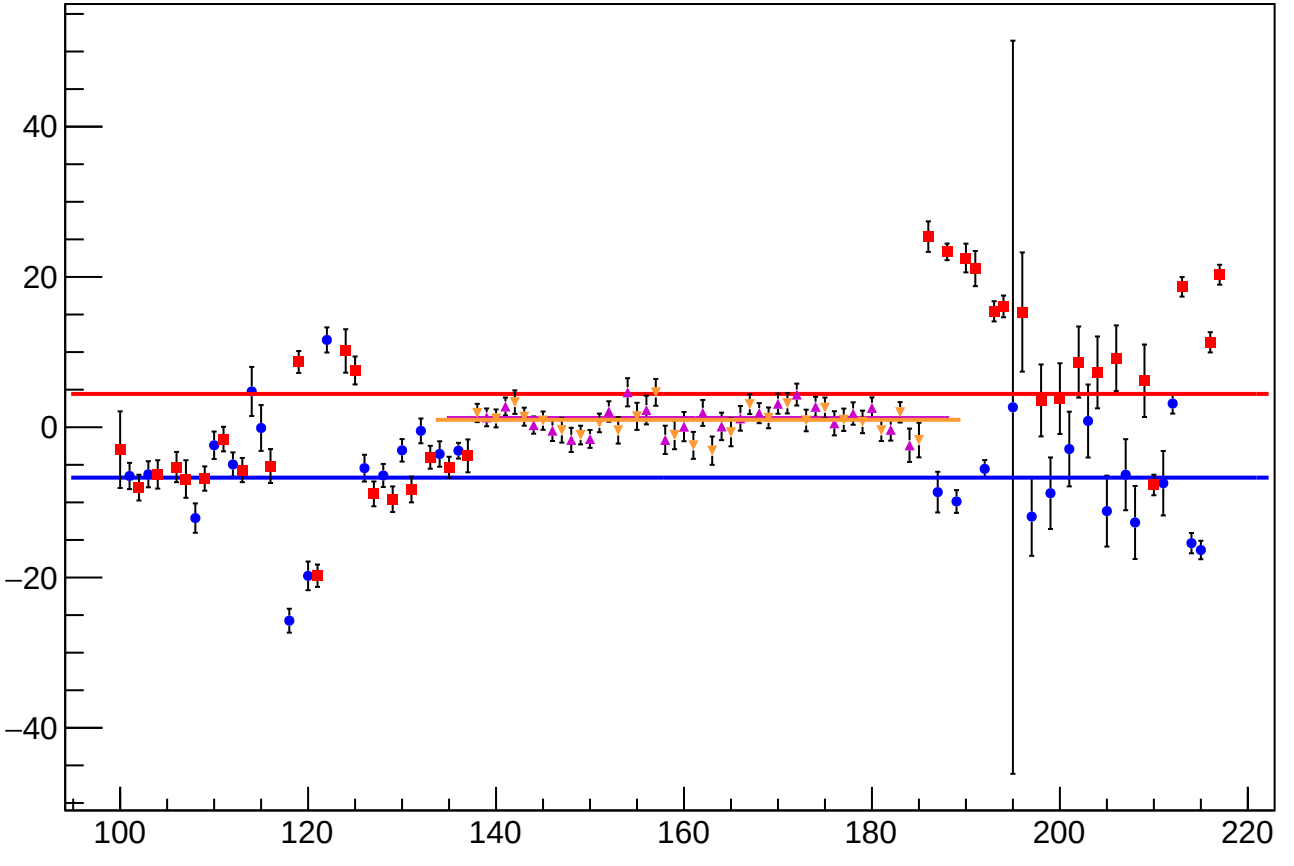
In: -1.649+/-1.147 χ^2/NDF:382.0/53

Out: -4.321+/-1.127 χ^2/NDF:540.2/60

All: -3.008+/-0.804 χ^2/NDF: 924.9/114


diff_bpm0l09X_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 5856.948+/-1.013 χ²/NDF: 4742314.4/30
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 6074.212+/-1.007 χ²/NDF: 3571771.0/35
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 5966.216+/-0.714 χ²/NDF: 8337203.6/66
In: 6662.530+/-0.811 χ²/NDF:6865764.9/53
Out: 6805.351+/-0.797 χ²/NDF:5311722.4/60
All: 6735.166+/-0.568 χ²/NDF: 12193269.2/

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: 4.435+/-0.301 χ^2/NDF: 1857.3/35

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

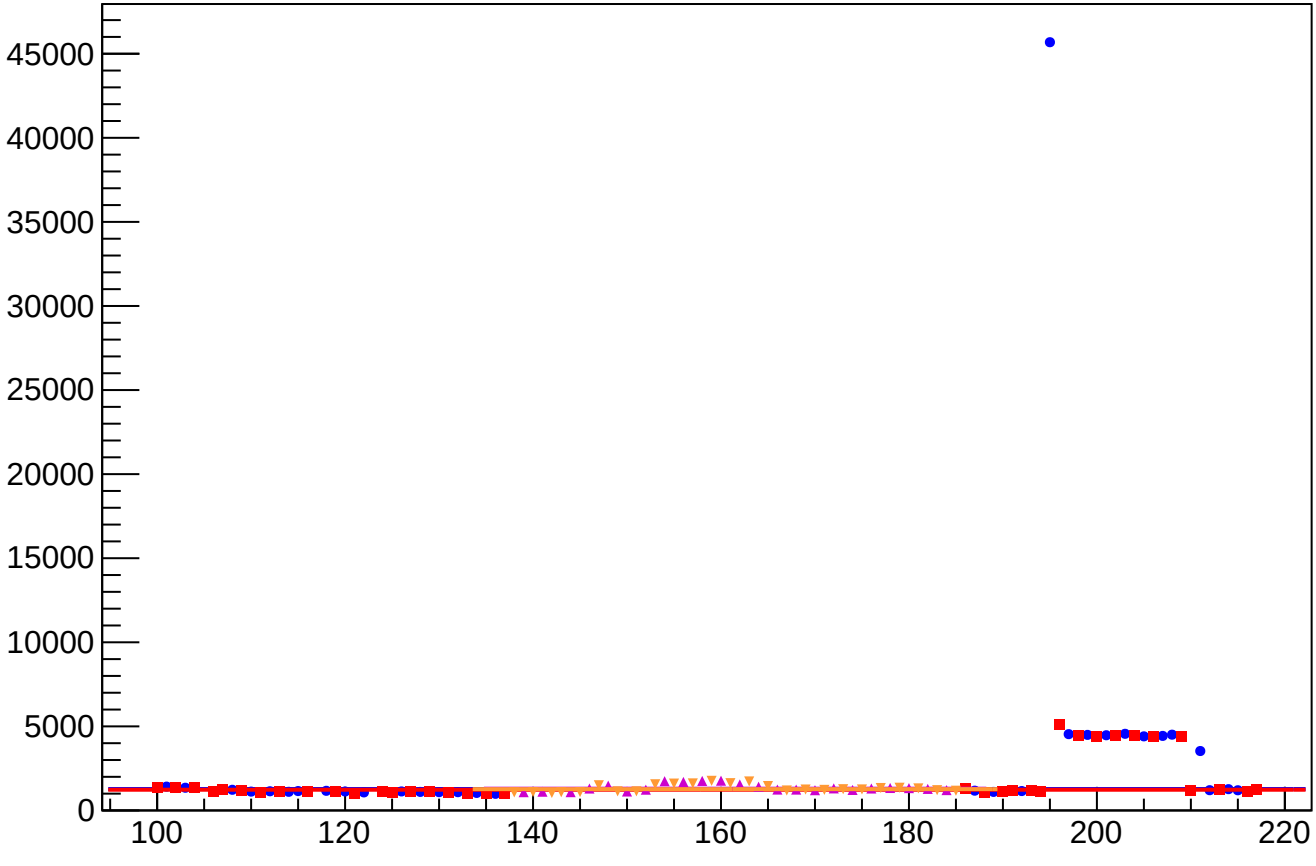
Right: -0.592+/-0.223 χ^2/NDF: 3023.1/66

In: -2.427+/-0.225 χ^2/NDF:888.8/53

Out: 2.661+/-0.210 χ^2/NDF:1955.7/60

All: 0.298+/-0.154 χ^2/NDF: 3117.8/114

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: 1232.836+/-0.213 χ^2/NDF: 6410996.5/35

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

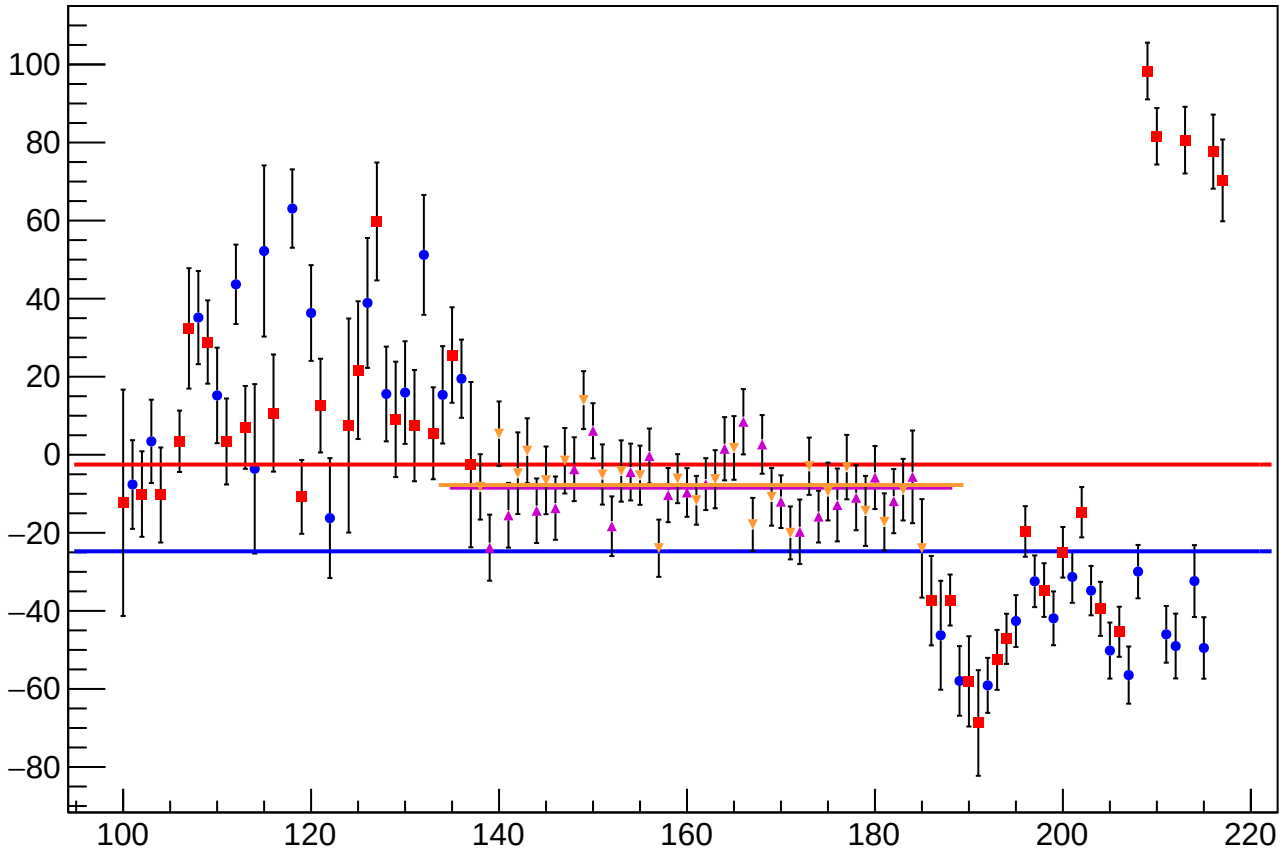
Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

Right: 1251.218+/-0.158 χ^2/NDF: 15181905.7/66

In: 1284.648+/-0.159 χ^2/NDF:9516689.5/53

Out: 1250.629+/-0.148 χ^2/NDF:7302998.7/60

All: 1266.426+/-0.109 χ^2/NDF: 16844119.3/1



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: -2.508+/-1.553 χ^2/NDF: 880.4/35

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

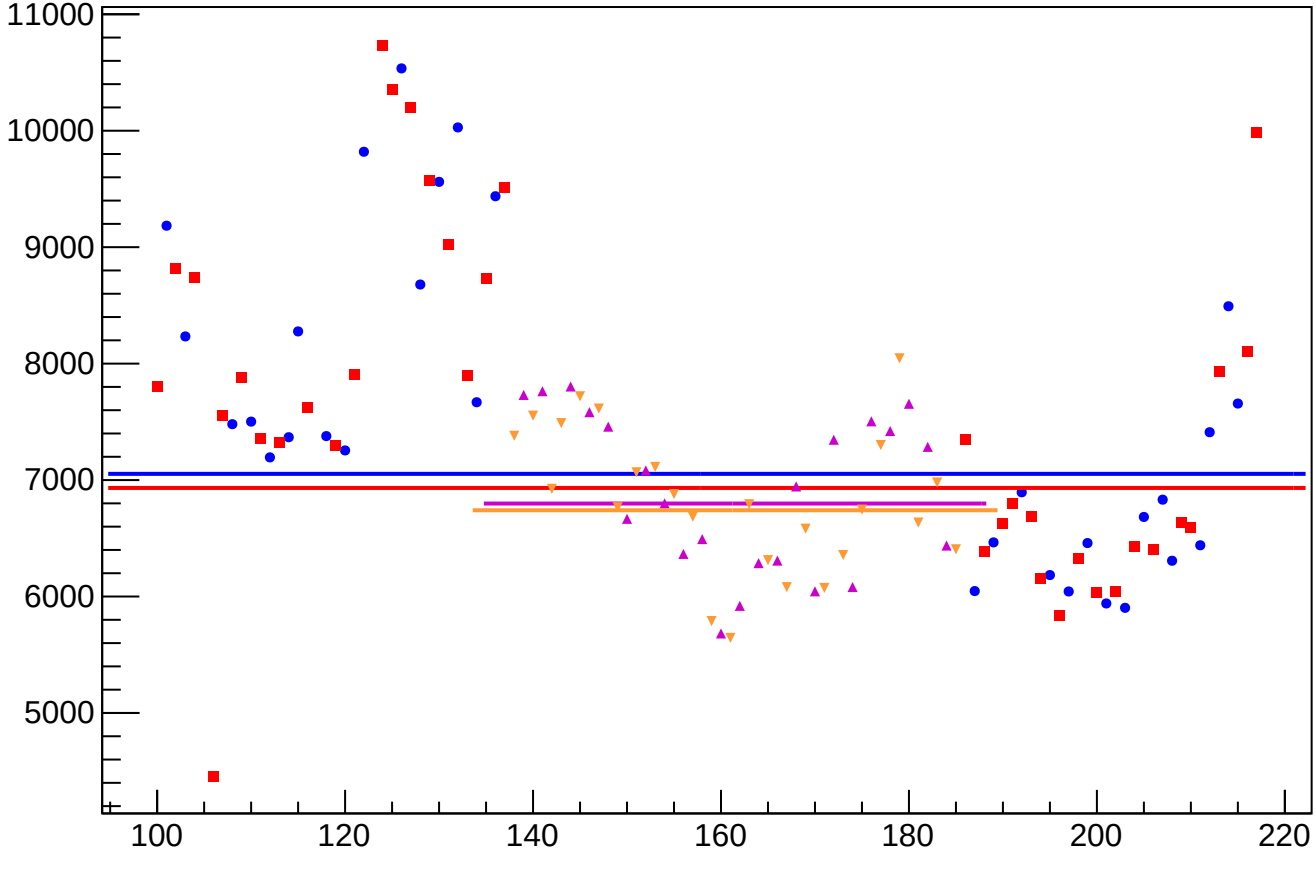
Right: -13.057+/-1.125 χ^2/NDF: 1390.0/66

In: -16.441+/-1.145 χ^2/NDF:487.8/53

Out: -5.140+/-1.096 χ^2/NDF:916.6/60

All: -10.543+/-0.792 χ^2/NDF: 1455.2/114

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: 6932.354+/-1.098 χ^2/NDF: 1207607.2/35

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

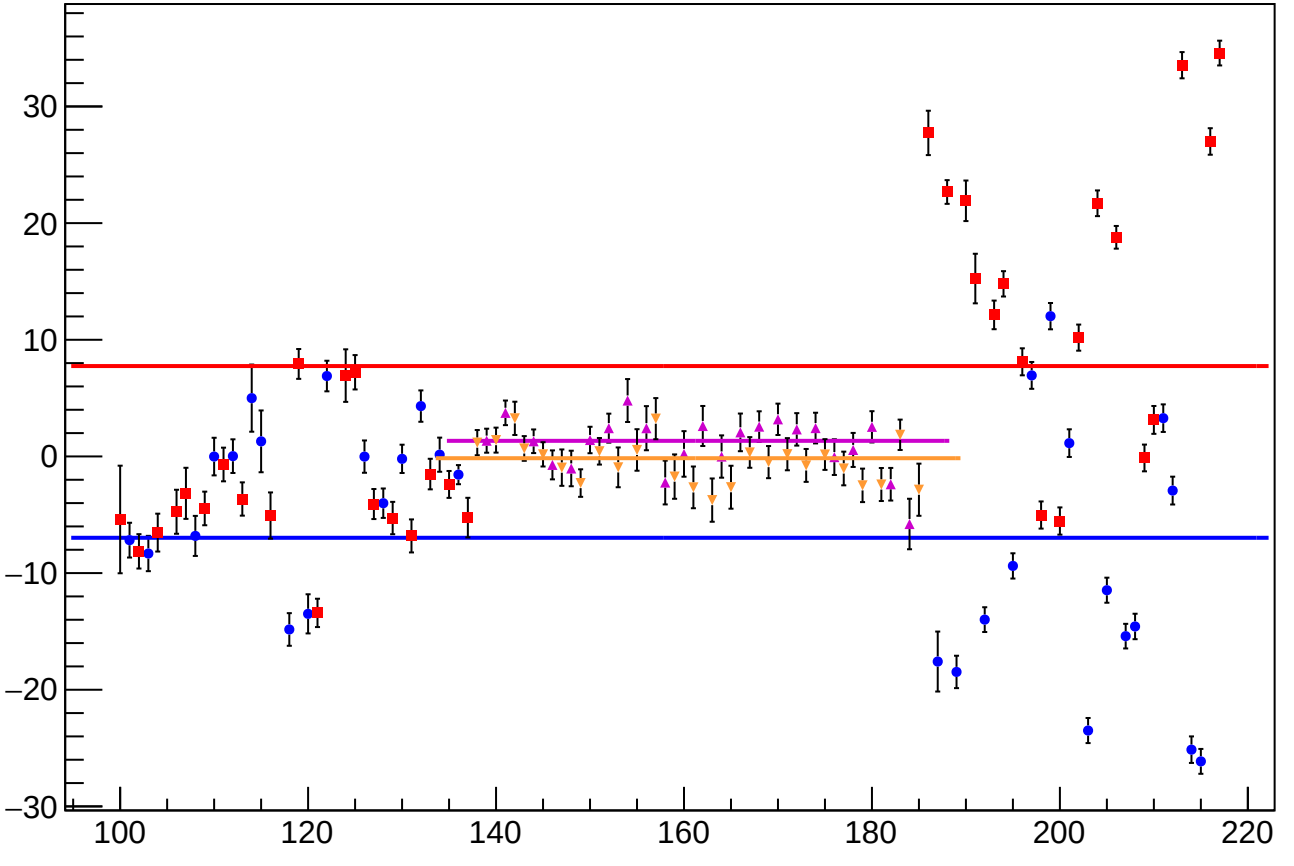
Right: 6989.790+/-0.796 χ^2/NDF: 2124914.9/66

In: 6923.659+/-0.810 χ^2/NDF:1289590.2/53

Out: 6836.220+/-0.775 χ^2/NDF:1539589.1/60

All: 6878.025+/-0.560 χ^2/NDF: 2835268.1/11

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: 7.747+/-0.221 χ^2/NDF: 3767.1/35

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

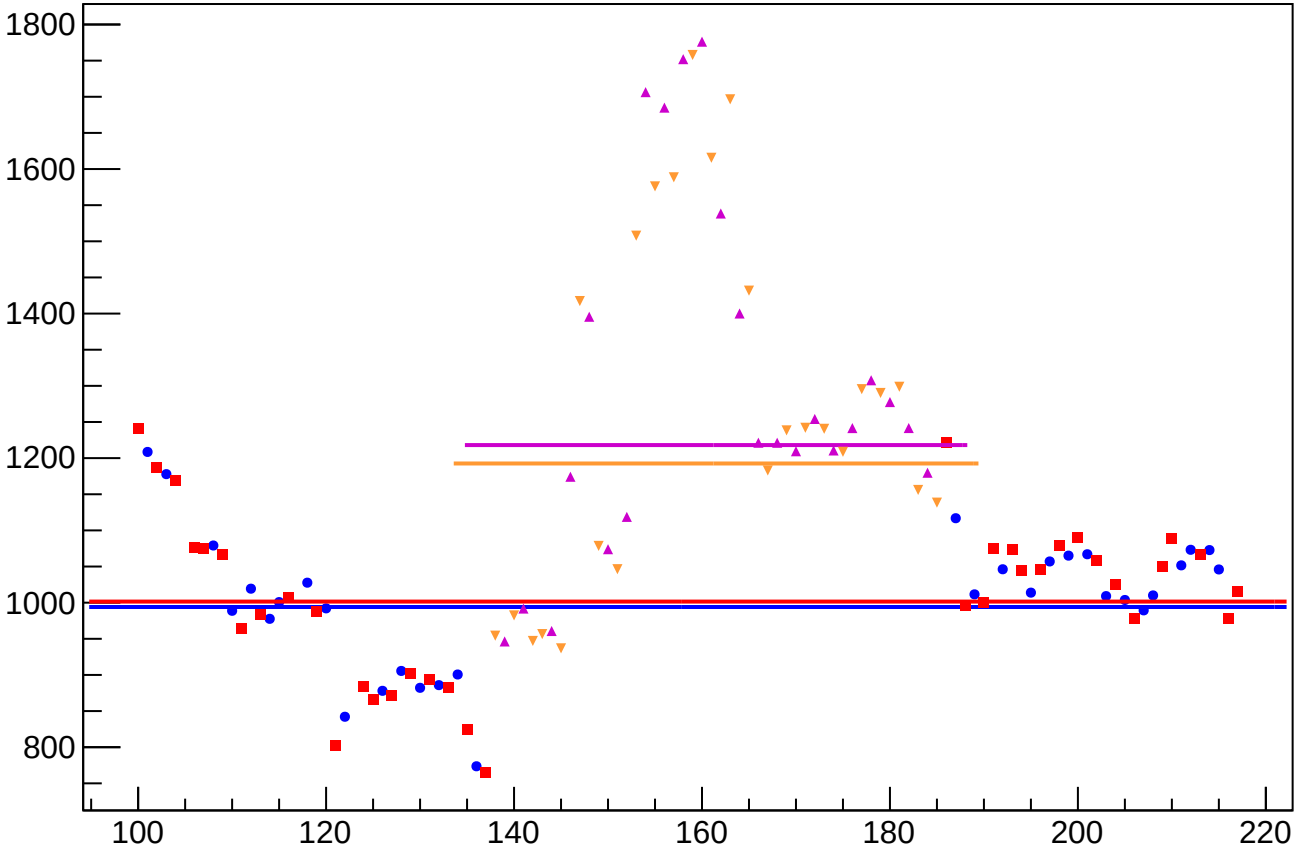
Right: 0.592+/-0.159 χ^2/NDF: 7991.6/66

In: -3.812+/-0.179 χ^2/NDF:2622.3/53

Out: 4.669+/-0.173 χ^2/NDF:4300.6/60

All: 0.579+/-0.124 χ^2/NDF: 8085.5/114

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 993.994+/-0.161 χ^2/NDF: 371941.5/30

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 1001.509+/-0.156 χ^2/NDF: 383476.6/35

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

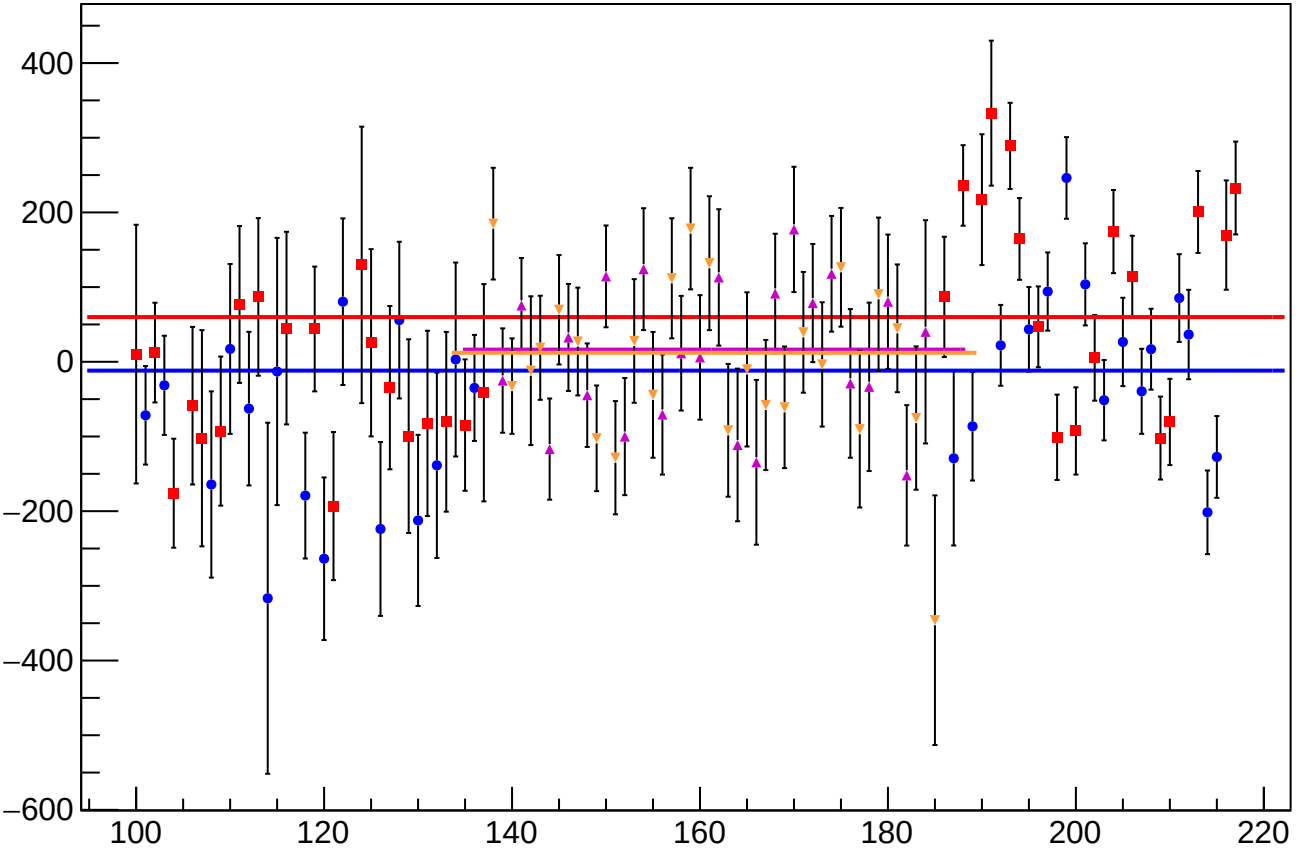
Right: 997.856+/-0.112 χ^2/NDF: 756540.9/66

In: 1079.236+/-0.127 χ^2/NDF:2238757.5/53

Out: 1075.969+/-0.122 χ^2/NDF:2285663.5/60

All: 1077.545+/-0.088 χ^2/NDF: 4524766.3/11

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: 59.914+/-12.510 χ^2/NDF: 124.2/35

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

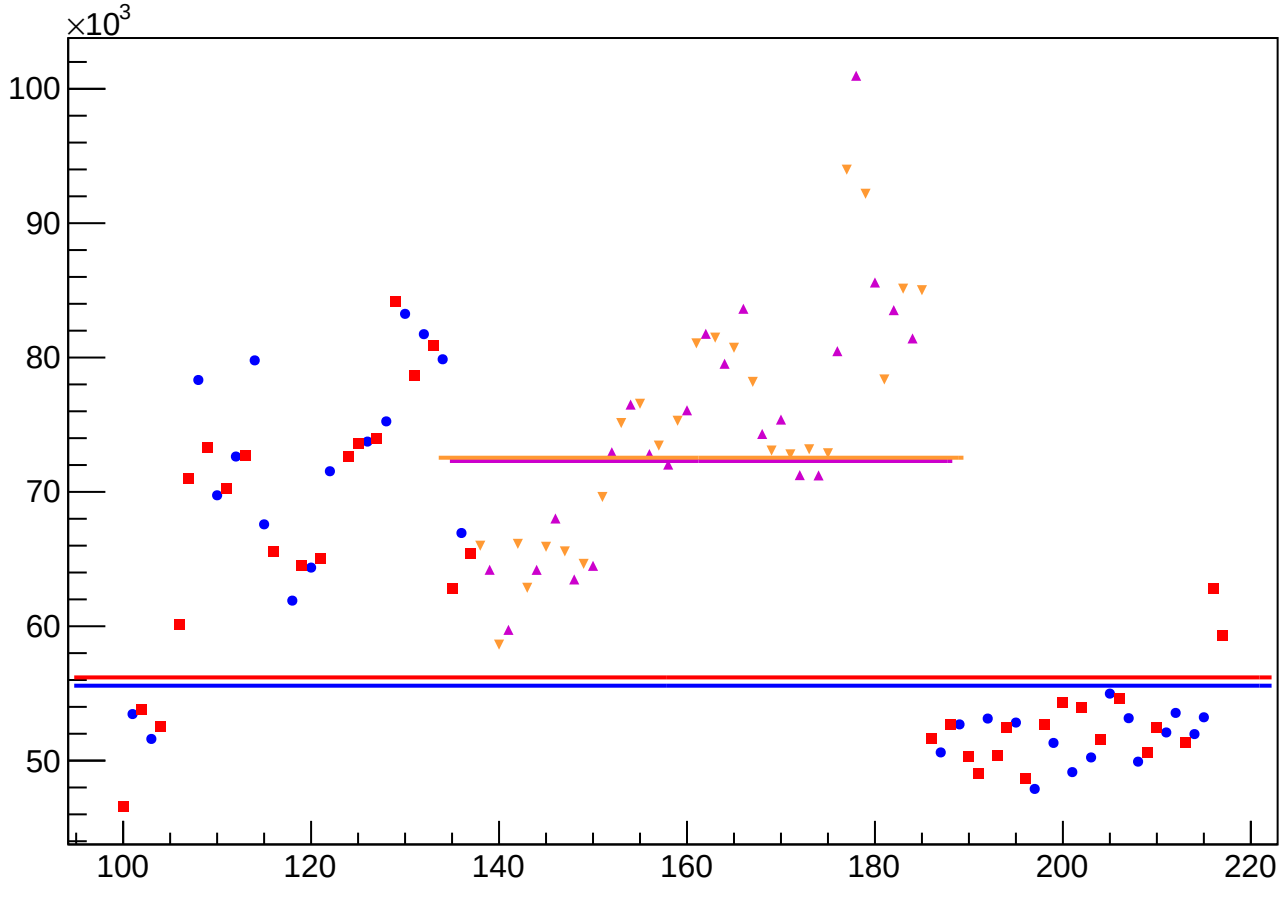
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 25.004+/-8.962 χ^2/NDF: 217.5/66

In: -1.591+/-10.253 χ^2/NDF:107.8/53

Out: 42.599+/-9.992 χ^2/NDF:162.3/60

All: 21.072+/-7.156 χ^2/NDF: 279.6/114



Right In: 55576.046+/-9.083 χ^2/NDF: 867973.5/30

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56193.391+/-8.846 χ^2/NDF: 793240.4/35

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

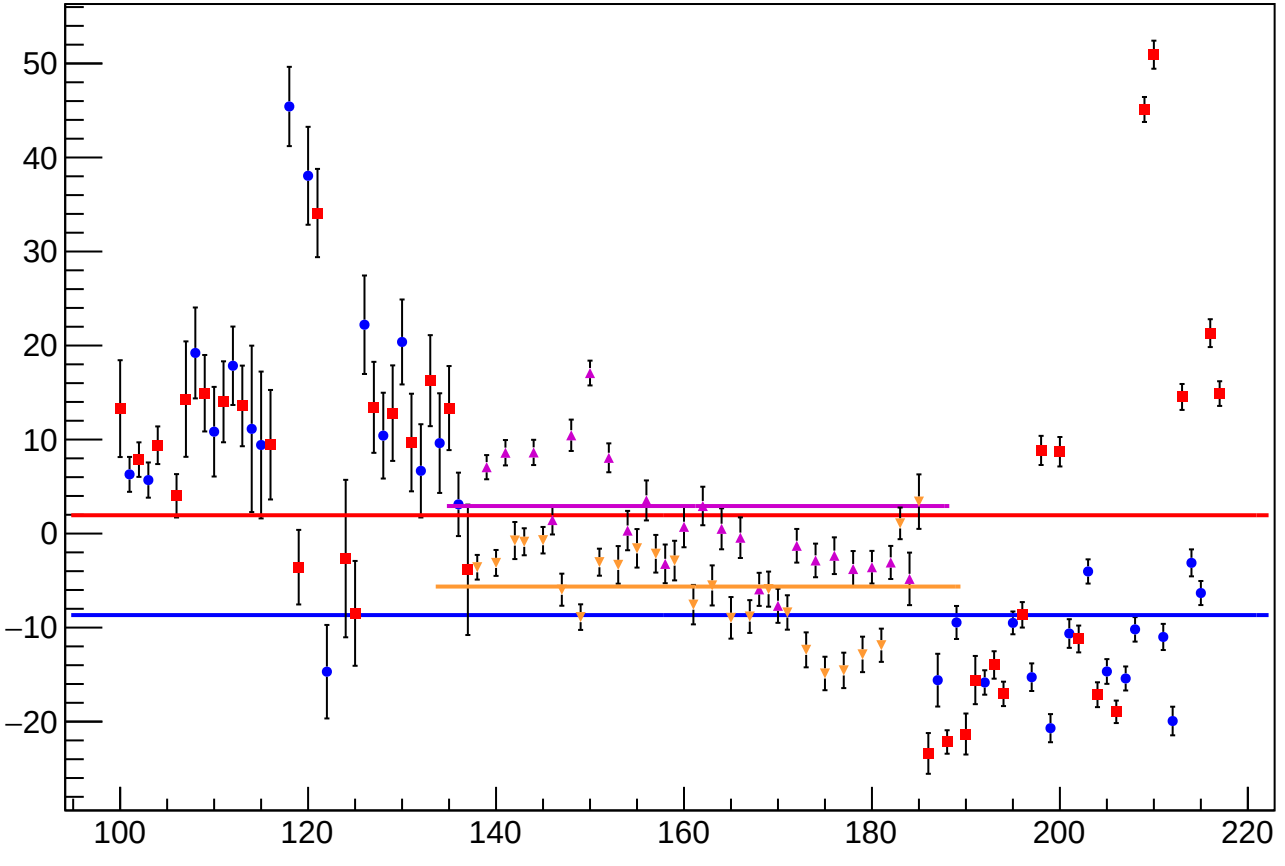
Right: 55892.895+/-6.337 χ^2/NDF: 1663584.7/66

In: 61646.603+/-7.250 χ^2/NDF:2587282.0/53

Out: 62112.314+/-7.066 χ^2/NDF:2530136.7/60

All: 61885.448+/-5.060 χ^2/NDF: 5119535.0/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -8.670+/-0.340 χ^2/NDF: 861.2/30

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 1.949+/-0.327 χ^2/NDF: 4329.1/35

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

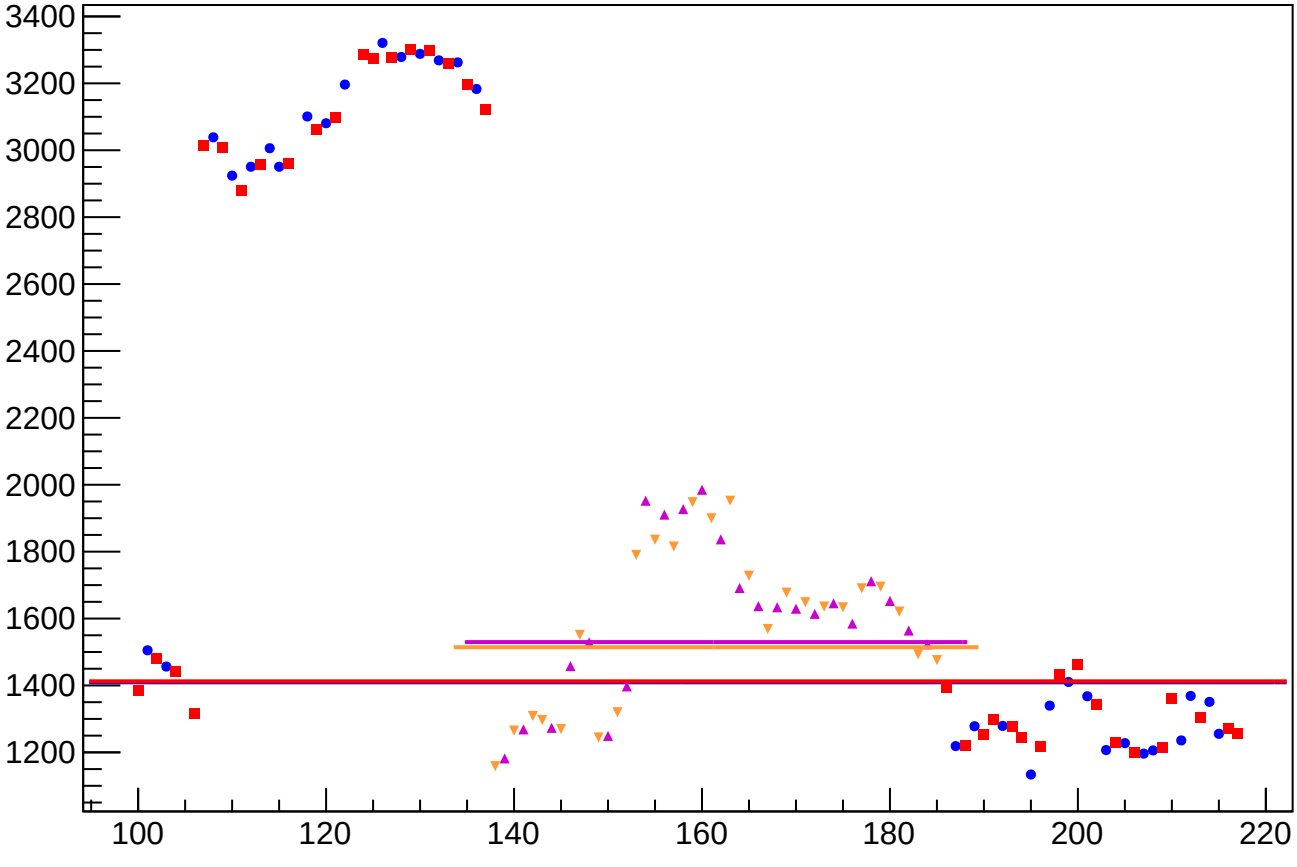
Right: -3.154+/-0.235 χ^2/NDF: 5698.4/66

In: -3.246+/-0.248 χ^2/NDF:1744.3/53

Out: -1.592+/-0.238 χ^2/NDF:4759.1/60

All: -2.387+/-0.172 χ^2/NDF: 6526.5/114

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: 1412.347+/-0.231 χ^2/NDF: 3947865.0/35

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

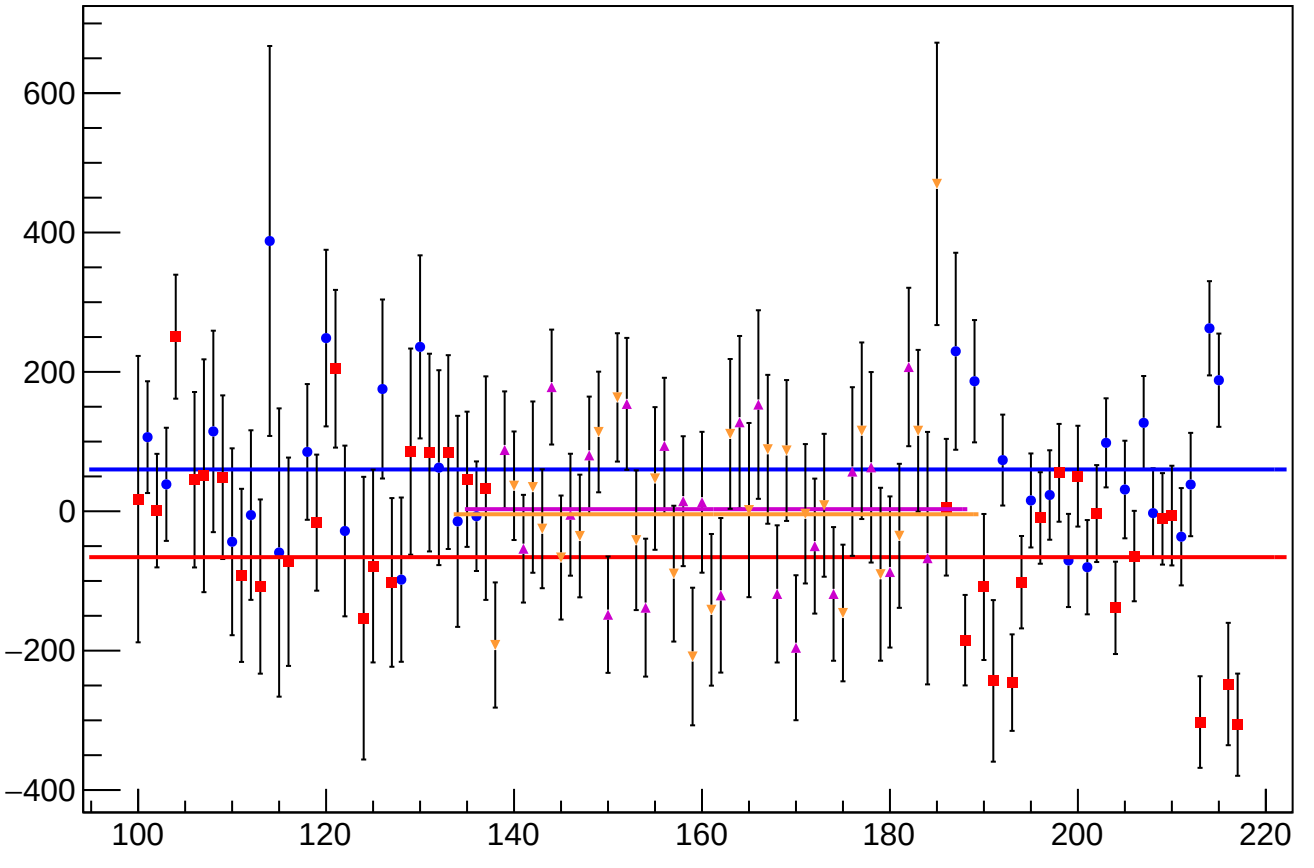
Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

Right: 1410.972+/-0.166 χ^2/NDF: 8019842.0/66

In: 1465.671+/-0.175 χ^2/NDF:5017497.7/53

Out: 1459.958+/-0.169 χ^2/NDF:4972241.5/60

All: 1462.706+/-0.121 χ^2/NDF: 9990291.3/11



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: -65.847+/-14.937 χ^2/NDF: 78.3/35

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

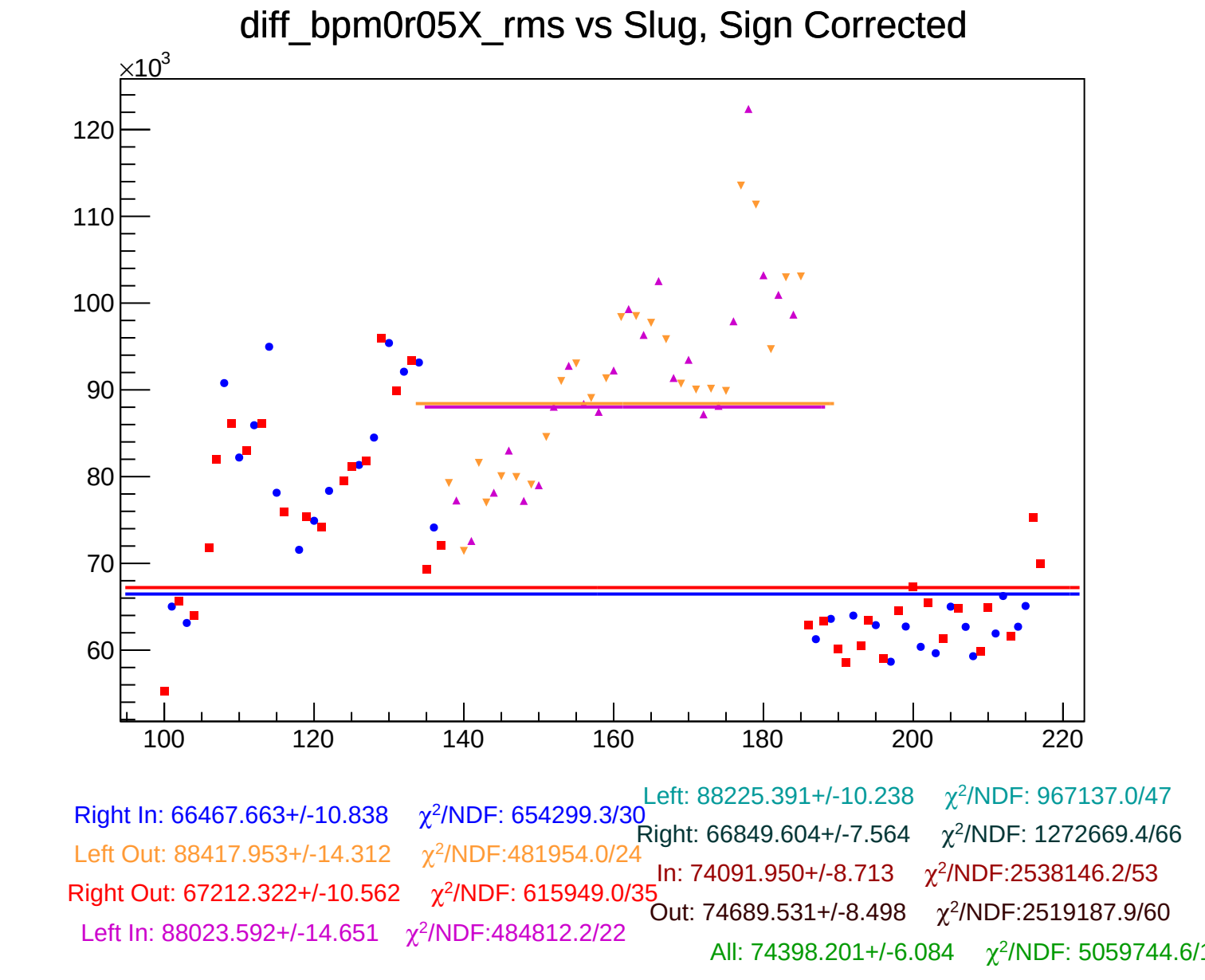
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: -4.541+/-10.698 χ^2/NDF: 153.8/66

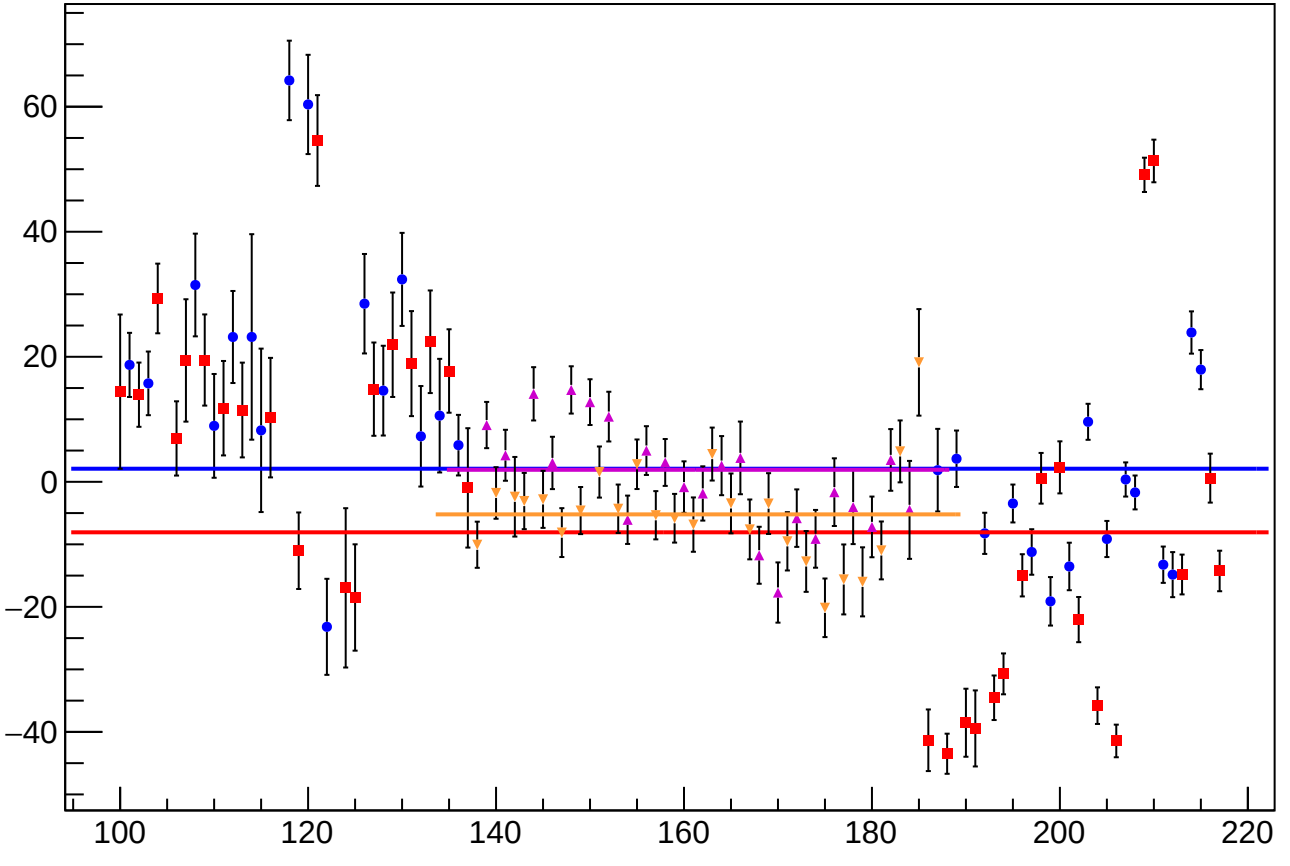
In: 39.854+/-12.323 χ^2/NDF:76.5/53

Out: -44.136+/-12.019 χ^2/NDF:114.8/60

All: -3.190+/-8.604 χ^2/NDF: 215.1/114


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: 67212.322+/-10.562 χ²/NDF: 615949.0/35
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 66849.604+/-7.564 χ²/NDF: 1272669.4/66
In: 74091.950+/-8.713 χ²/NDF:2538146.2/53
Out: 74689.531+/-8.498 χ²/NDF:2519187.9/60
All: 74398.201+/-6.084 χ²/NDF: 5059744.6/

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 2.096+/-0.768 χ^2/NDF: 448.9/30

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -8.076+/-0.759 χ^2/NDF: 1614.5/35

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

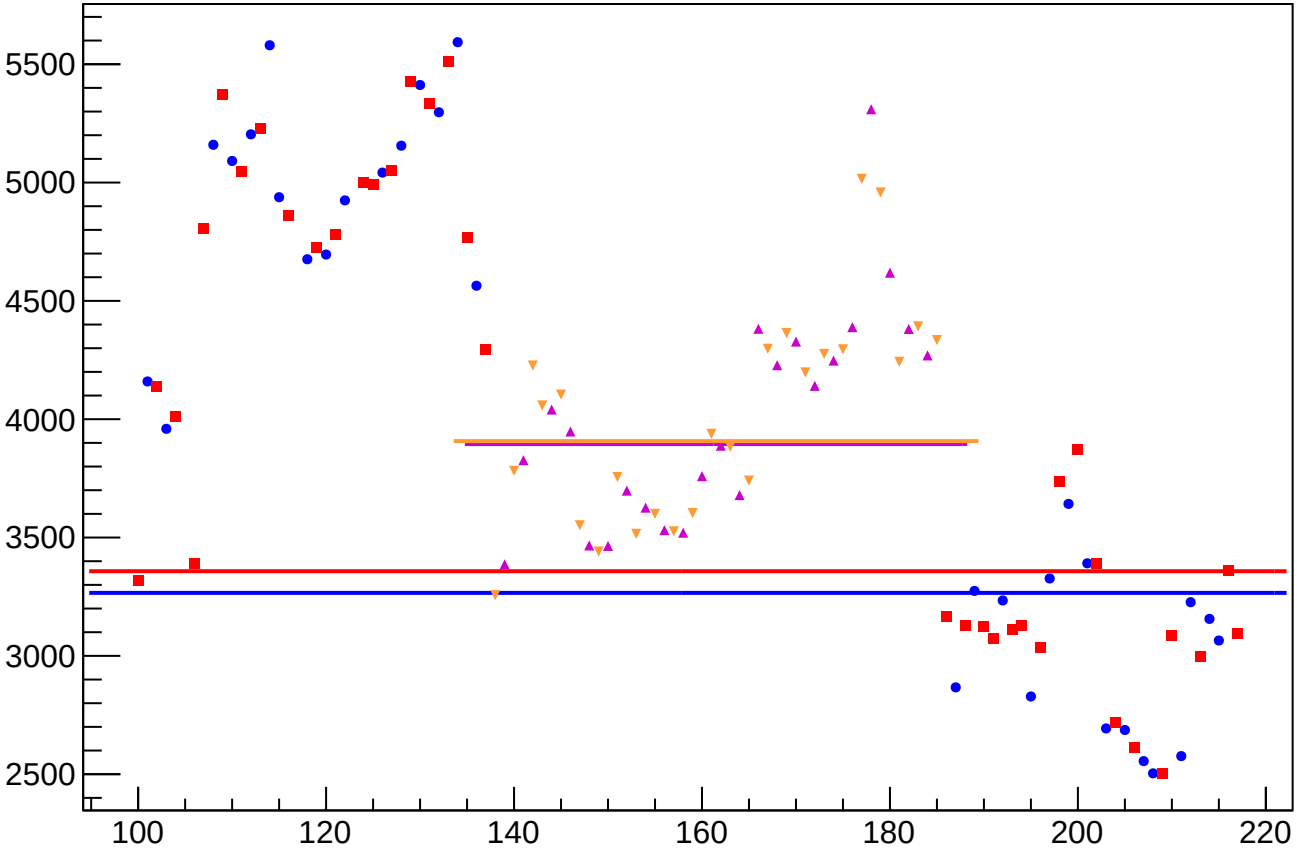
Right: -3.053+/-0.540 χ^2/NDF: 2152.1/66

In: 2.025+/-0.589 χ^2/NDF:532.1/53

Out: -6.874+/-0.578 χ^2/NDF:1671.5/60

All: -2.502+/-0.413 χ^2/NDF: 2319.8/114

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: 3357.688+/-0.537 χ^2/NDF: 2018093.3/35

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

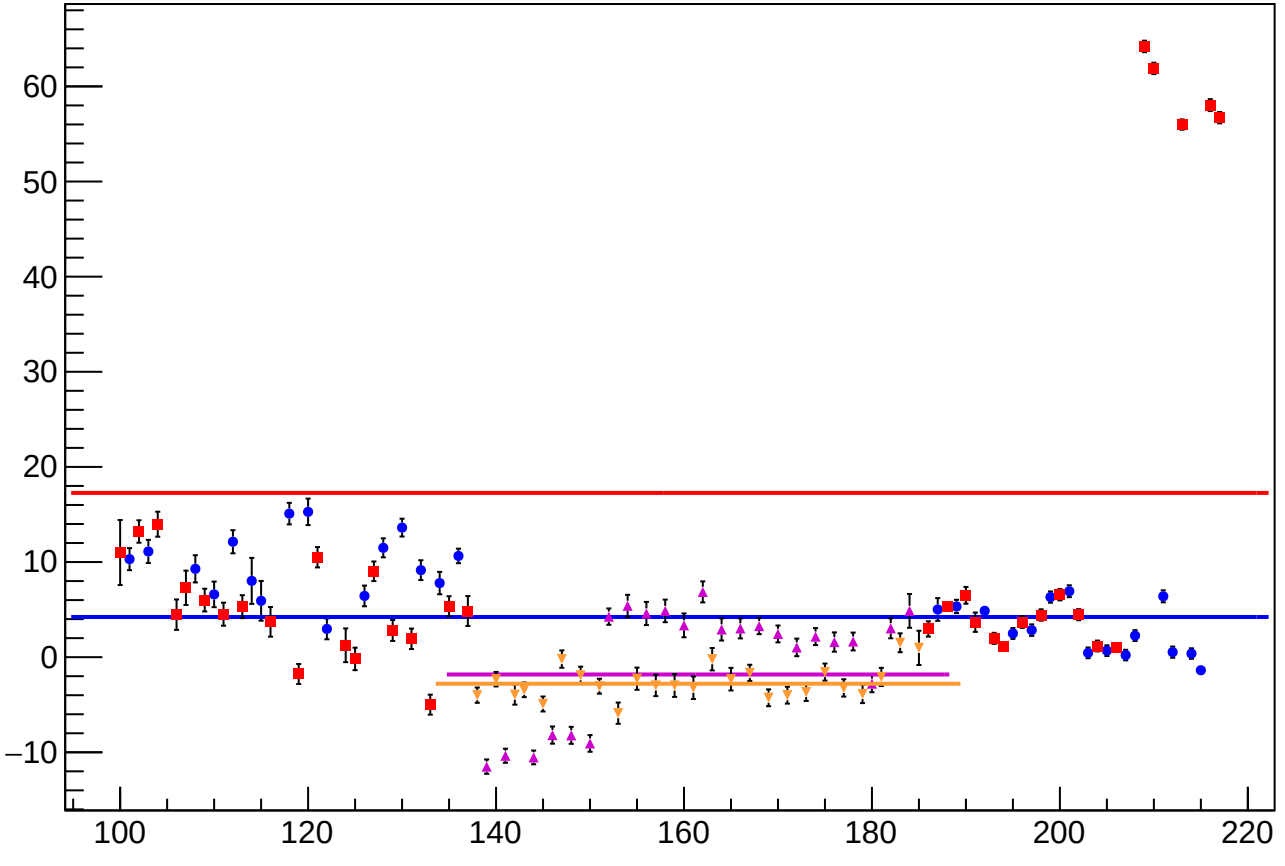
Right: 3312.498+/-0.382 χ^2/NDF: 4254561.1/66

In: 3525.786+/-0.416 χ^2/NDF:3185346.9/53

Out: 3587.956+/-0.409 χ^2/NDF:2899015.7/60

All: 3557.415+/-0.292 χ^2/NDF: 6095710.8/11

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: 17.266+/-0.131 χ^2/NDF: 33860.8/35

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

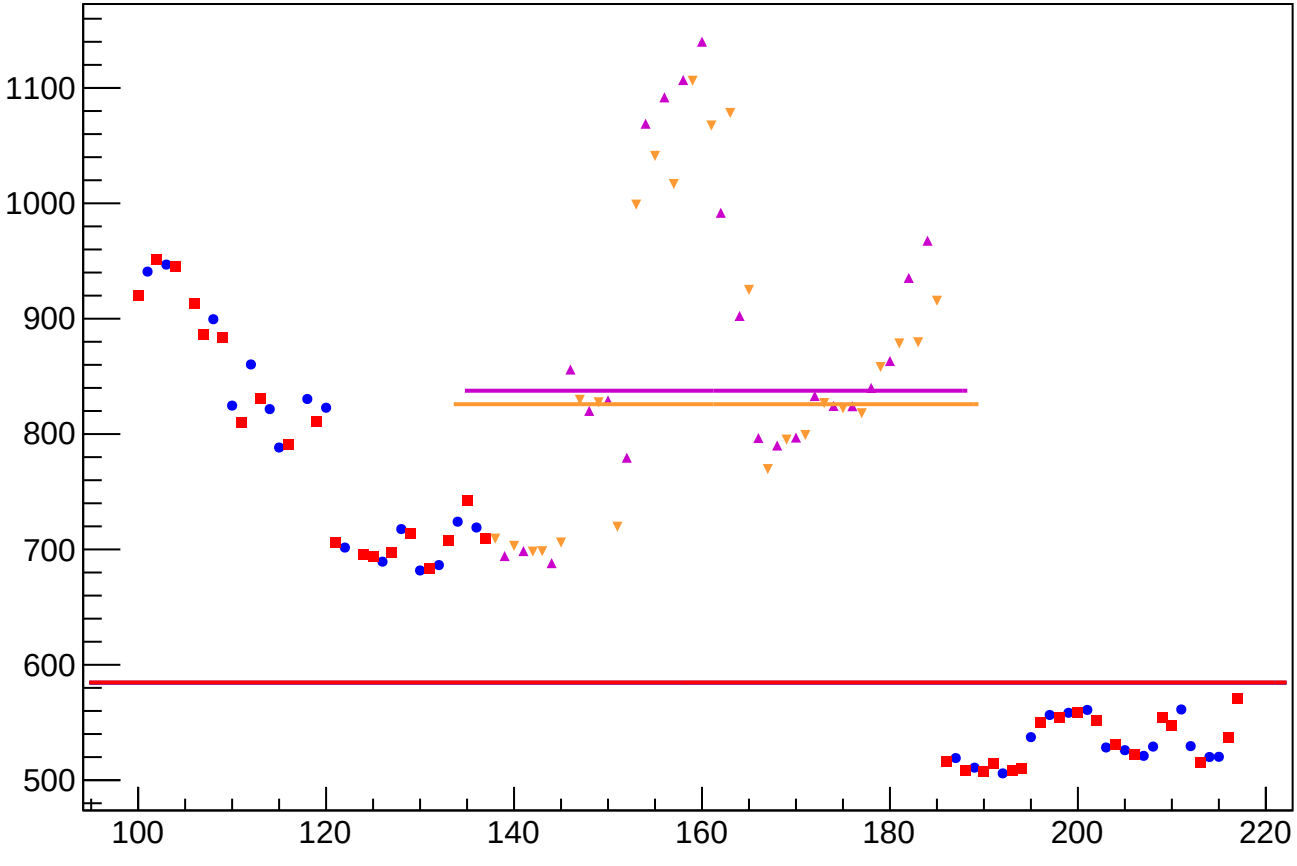
Right: 10.973+/-0.094 χ^2/NDF: 39616.5/66

In: 2.301+/-0.112 χ^2/NDF:2606.9/53

Out: 10.830+/-0.108 χ^2/NDF:41492.9/60

All: 6.724+/-0.078 χ^2/NDF: 47120.6/114

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: 584.650+/-0.092 χ^2/NDF: 1398069.0/35

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

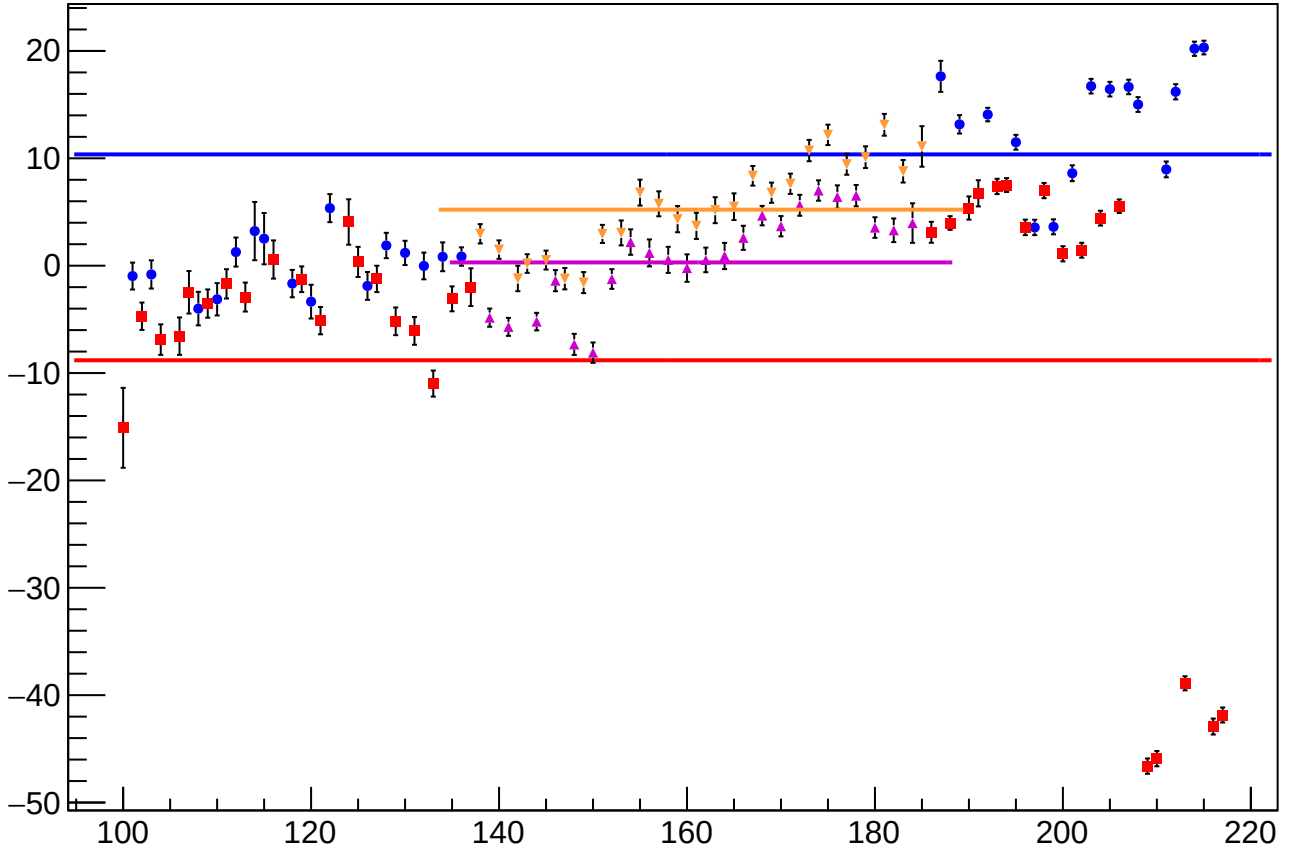
Right: 584.572+/-0.066 χ^2/NDF: 2689913.1/66

In: 664.973+/-0.079 χ^2/NDF:4230614.9/53

Out: 662.057+/-0.076 χ^2/NDF:4350976.7/60

All: 663.461+/-0.055 χ^2/NDF: 8582297.9/114

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 10.364+/-0.161 χ^2/NDF: 2101.6/30

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -8.810+/-0.155 χ^2/NDF: 16374.1/35

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

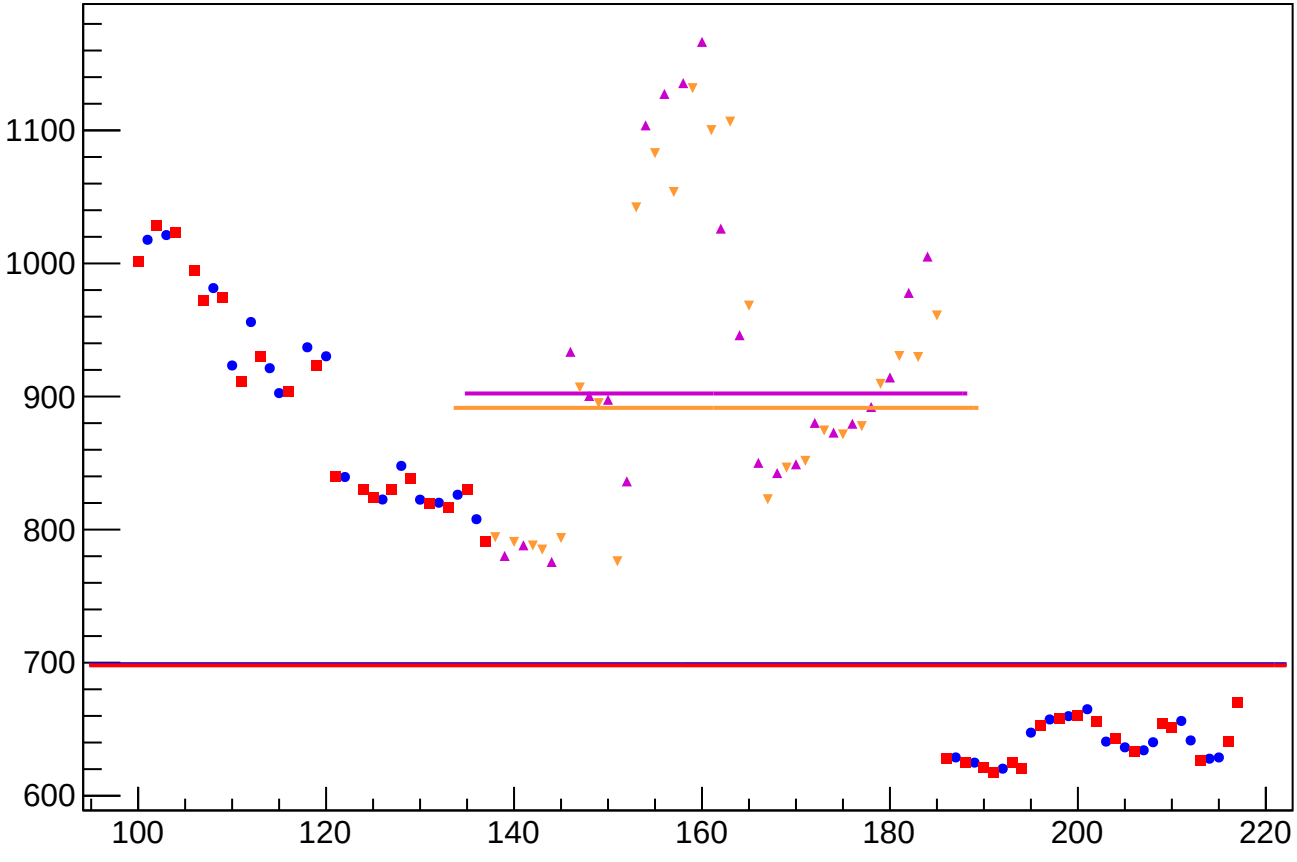
Right: 0.426+/-0.112 χ^2/NDF: 25818.9/66

In: 6.696+/-0.128 χ^2/NDF:4018.7/53

Out: -3.675+/-0.124 χ^2/NDF:19811.5/60

All: 1.315+/-0.089 χ^2/NDF: 27214.8/114

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: 698.012+/-0.110 χ^2/NDF: 1028257.9/35

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

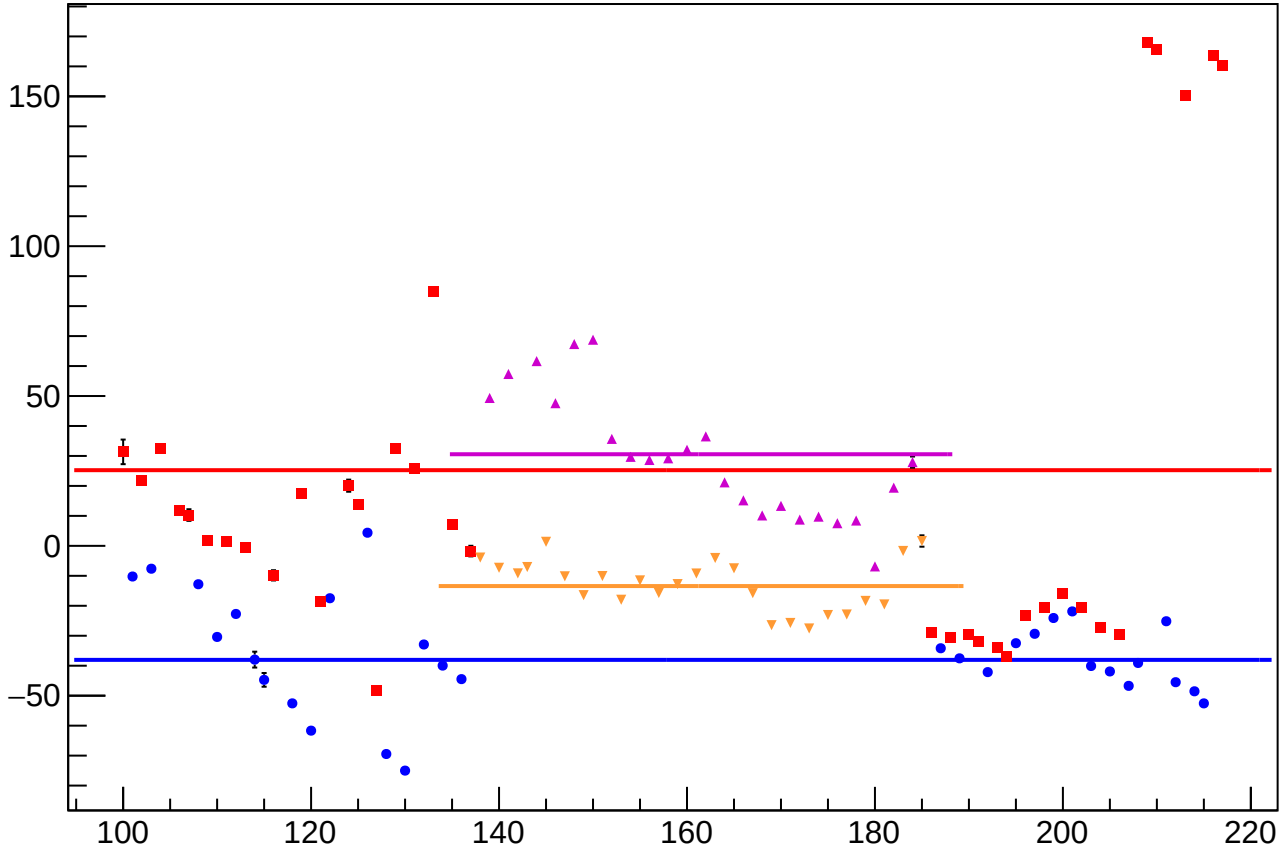
Right: 698.433+/-0.079 χ^2/NDF: 1977011.9/66

In: 773.051+/-0.091 χ^2/NDF:2596252.6/53

Out: 768.836+/-0.087 χ^2/NDF:2682418.6/60

All: 770.864+/-0.063 χ^2/NDF: 5279789.6/114

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: 25.251+/-0.153 χ^2/NDF: 255256.7/35

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

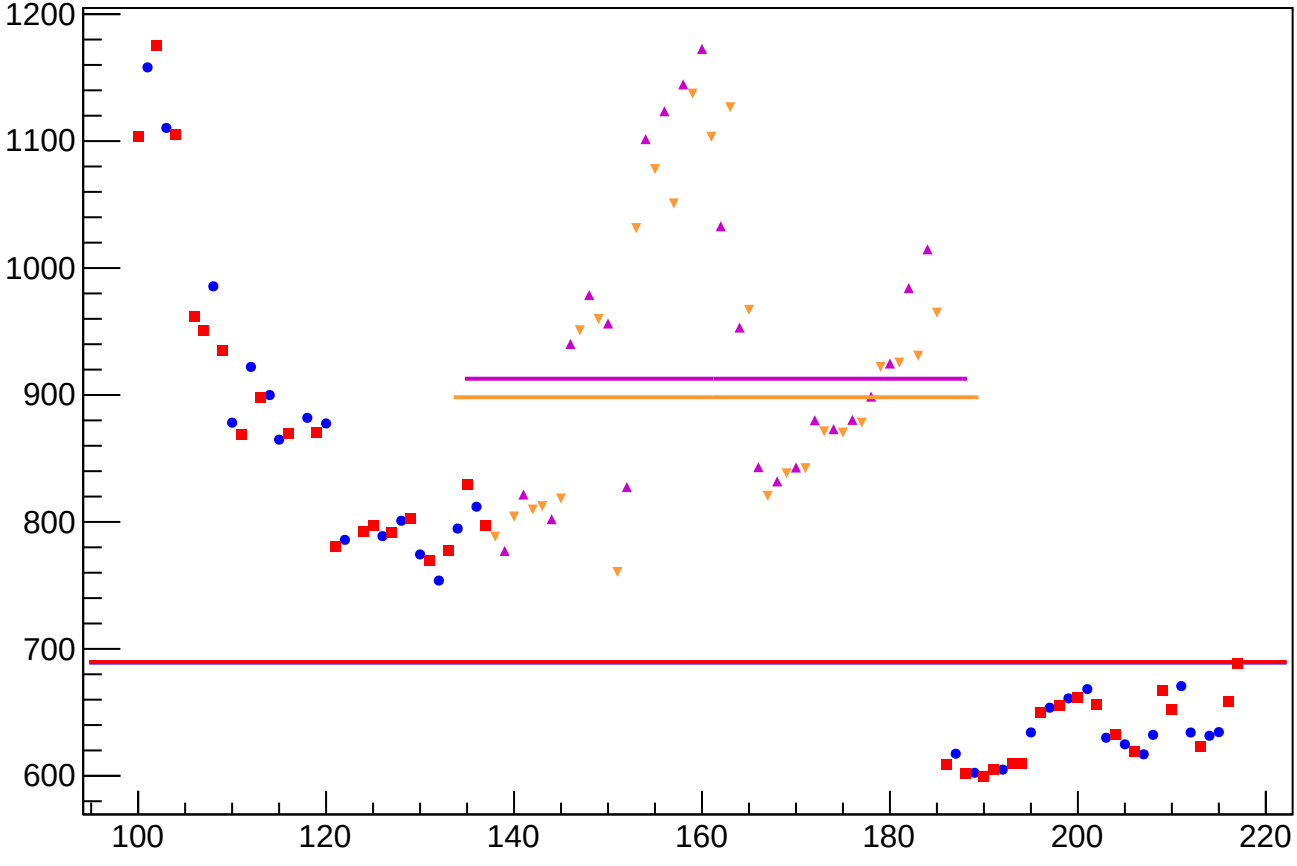
Right: -5.291+/-0.110 χ^2/NDF: 345057.1/66

In: -13.828+/-0.128 χ^2/NDF:83893.8/53

Out: 11.446+/-0.123 χ^2/NDF:279590.6/60

All: -0.709+/-0.089 χ^2/NDF: 383771.9/114

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: 689.619+/-0.109 χ^2/NDF: 1063050.8/35

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

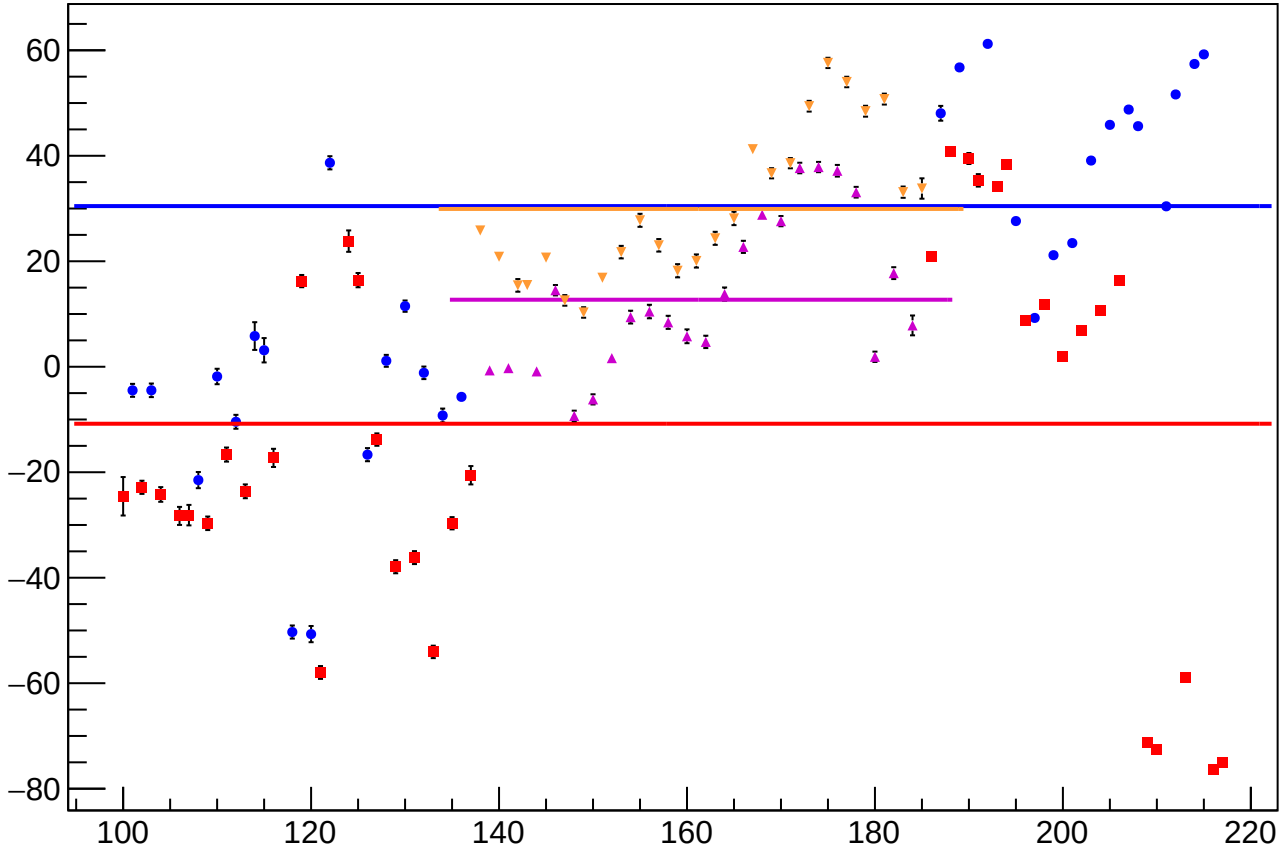
Right: 689.446+/-0.078 χ^2/NDF: 2052240.1/66

In: 768.170+/-0.090 χ^2/NDF:2866040.6/53

Out: 764.091+/-0.087 χ^2/NDF:2900796.9/60

All: 766.053+/-0.063 χ^2/NDF: 5767894.5/114

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: -10.805+/-0.151 χ^2/NDF: 72099.9/35

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

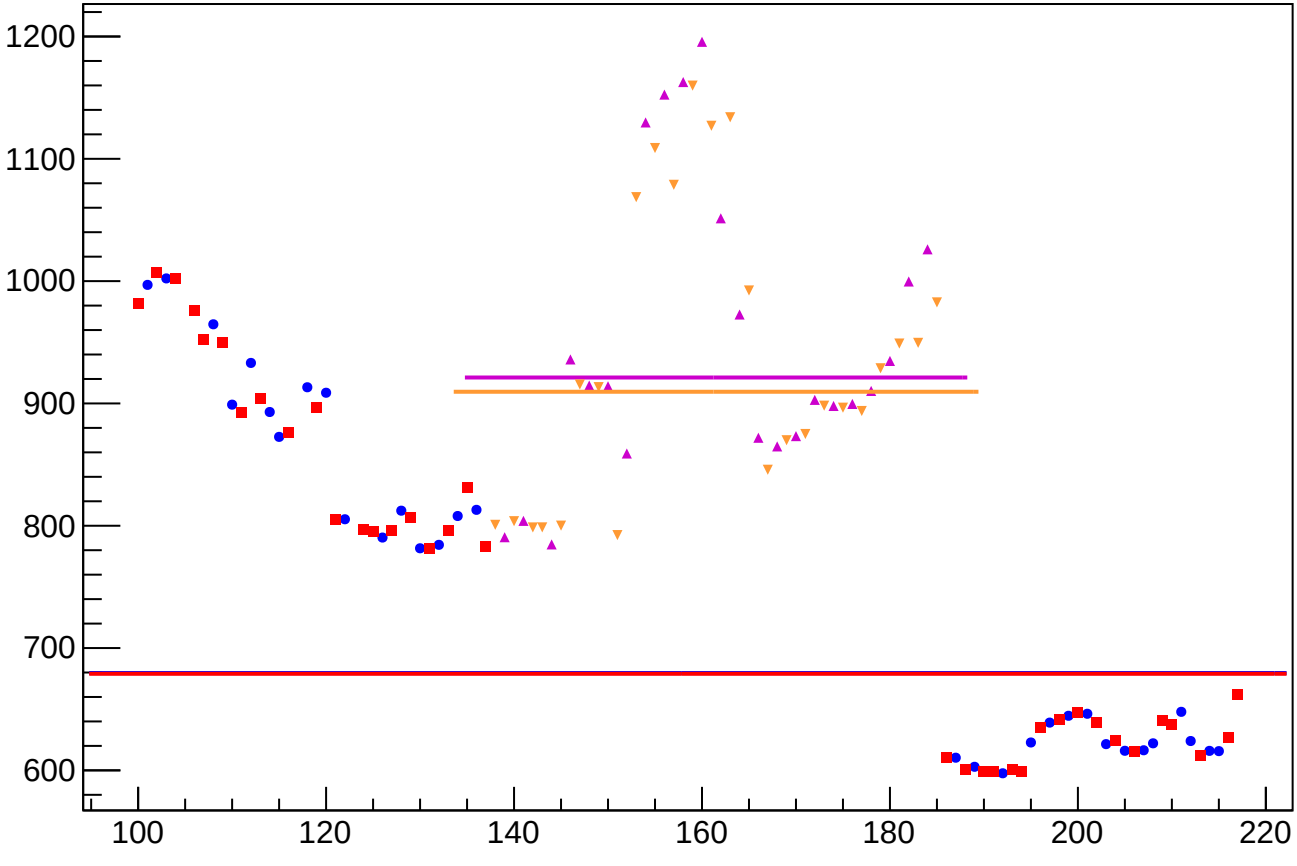
Right: 9.079+/-0.109 χ^2/NDF: 136979.7/66

In: 24.384+/-0.127 χ^2/NDF:38103.7/53

Out: 3.207+/-0.122 χ^2/NDF:101693.9/60

All: 13.397+/-0.088 χ^2/NDF: 154217.0/114

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: 678.969+/-0.107 χ^2/NDF: 1043112.9/35

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

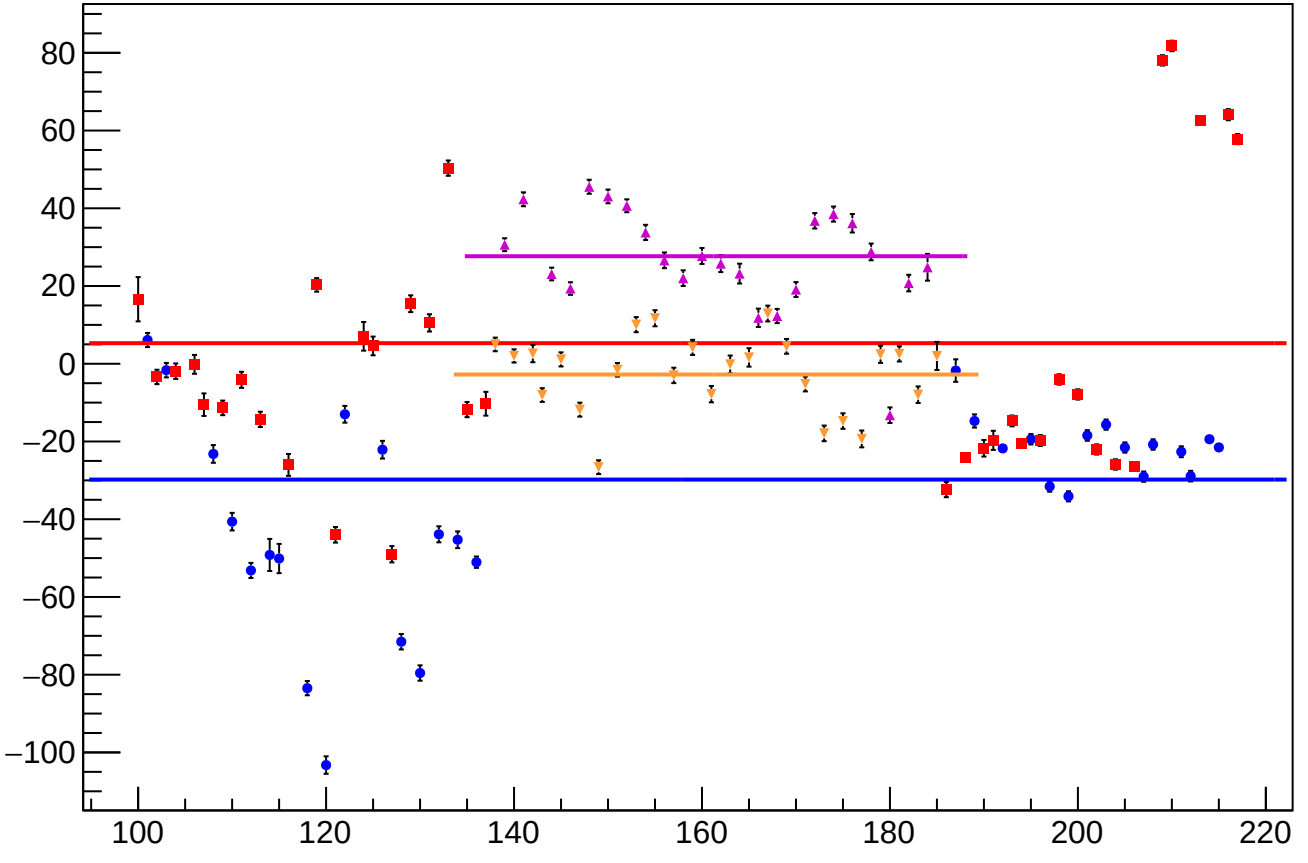
Right: 679.252+/-0.077 χ^2/NDF: 2008912.0/66

In: 762.268+/-0.090 χ^2/NDF:3092347.9/53

Out: 758.302+/-0.087 χ^2/NDF:3188436.8/60

All: 760.210+/-0.062 χ^2/NDF: 6281795.7/114

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: 5.295+/-0.283 χ^2/NDF: 17732.5/35

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

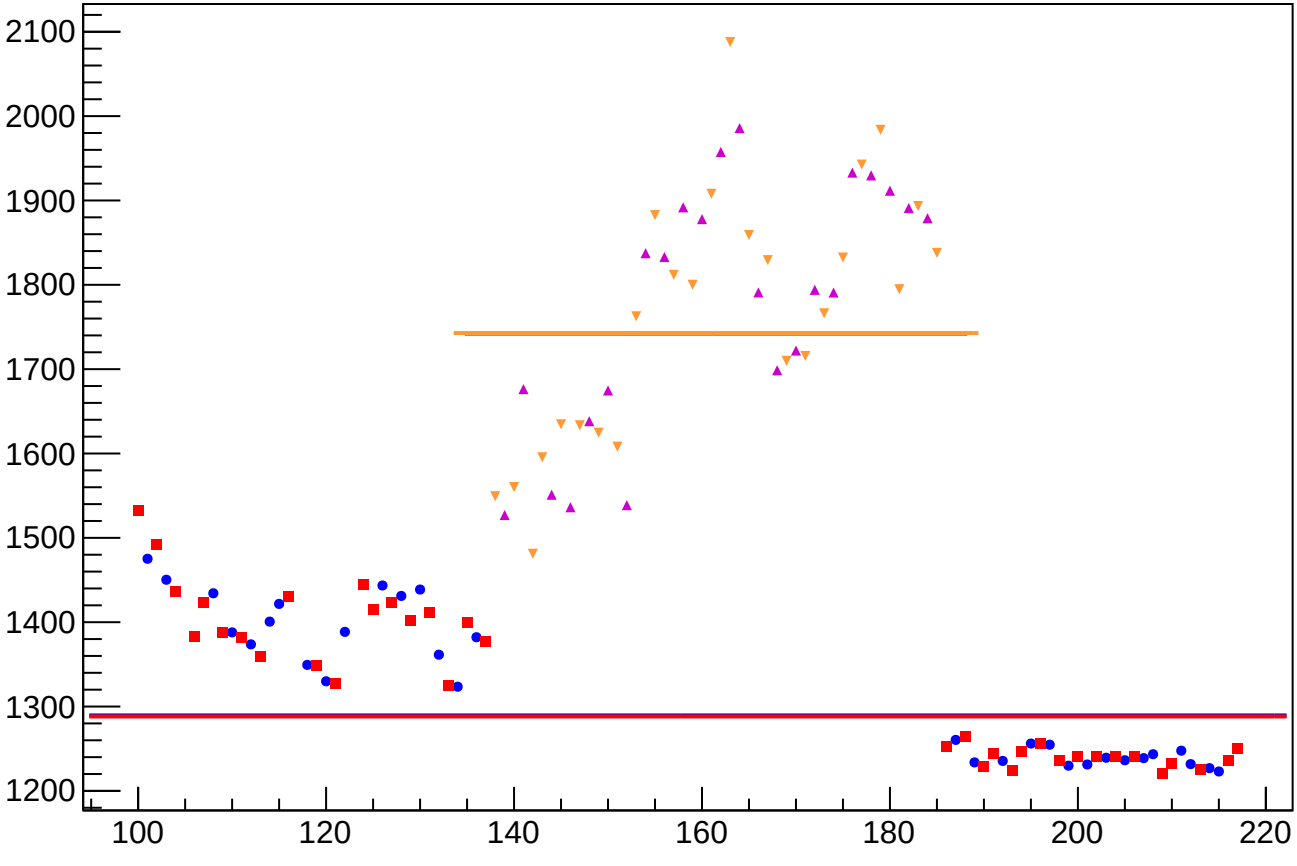
Right: -11.615+/-0.204 χ^2/NDF: 30026.2/66

In: -10.207+/-0.239 χ^2/NDF:18925.9/53

Out: 2.576+/-0.231 χ^2/NDF:18621.4/60

All: -3.602+/-0.166 χ^2/NDF: 39029.8/114

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: 1288.260+/-0.200 χ^2/NDF: 147231.2/35

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

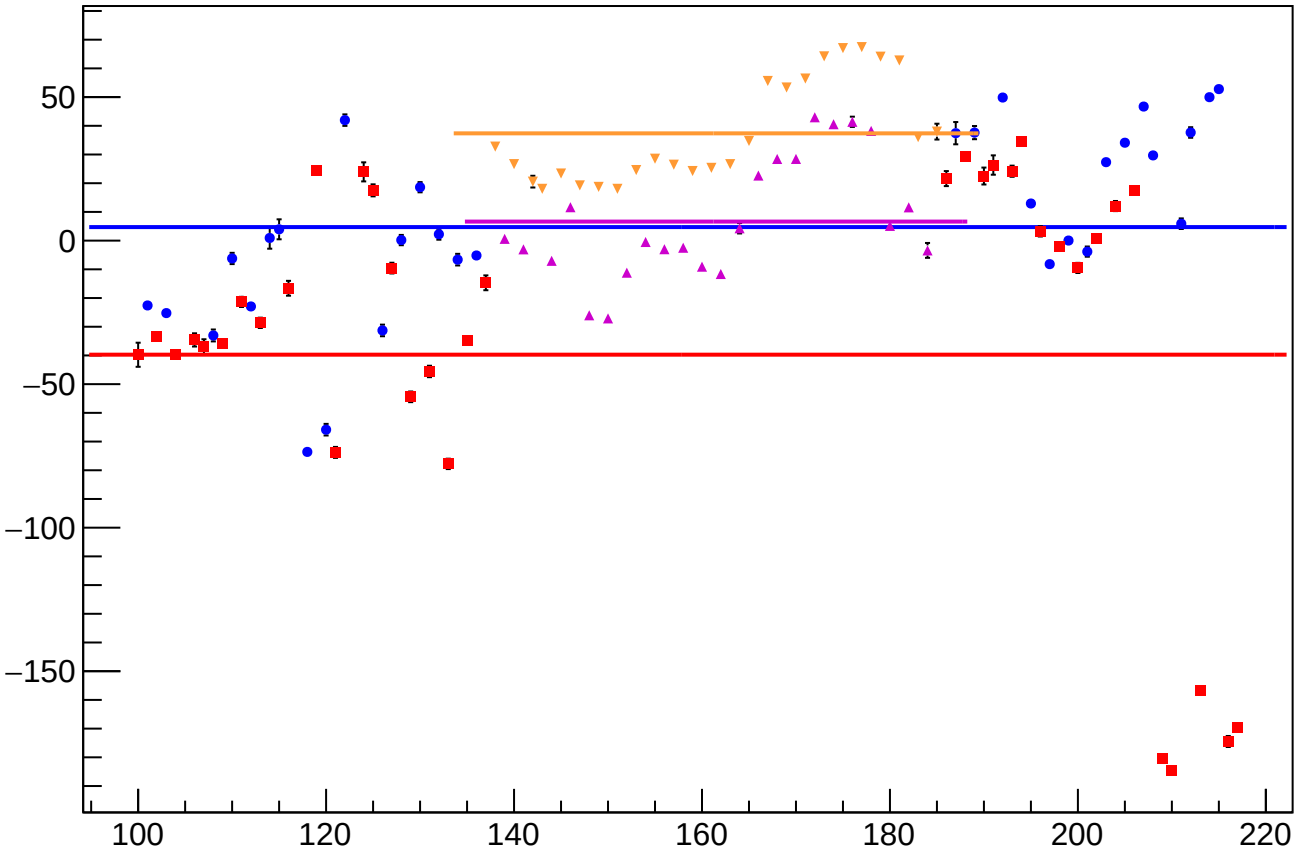
Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

Right: 1288.832+/-0.144 χ^2/NDF: 294587.7/66

In: 1443.794+/-0.169 χ^2/NDF:2025984.1/53

Out: 1441.567+/-0.163 χ^2/NDF:2144662.1/60

All: 1442.643+/-0.117 χ^2/NDF: 4170736.2/11



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: -39.732+/-0.316 χ^2/NDF: 44048.2/35

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

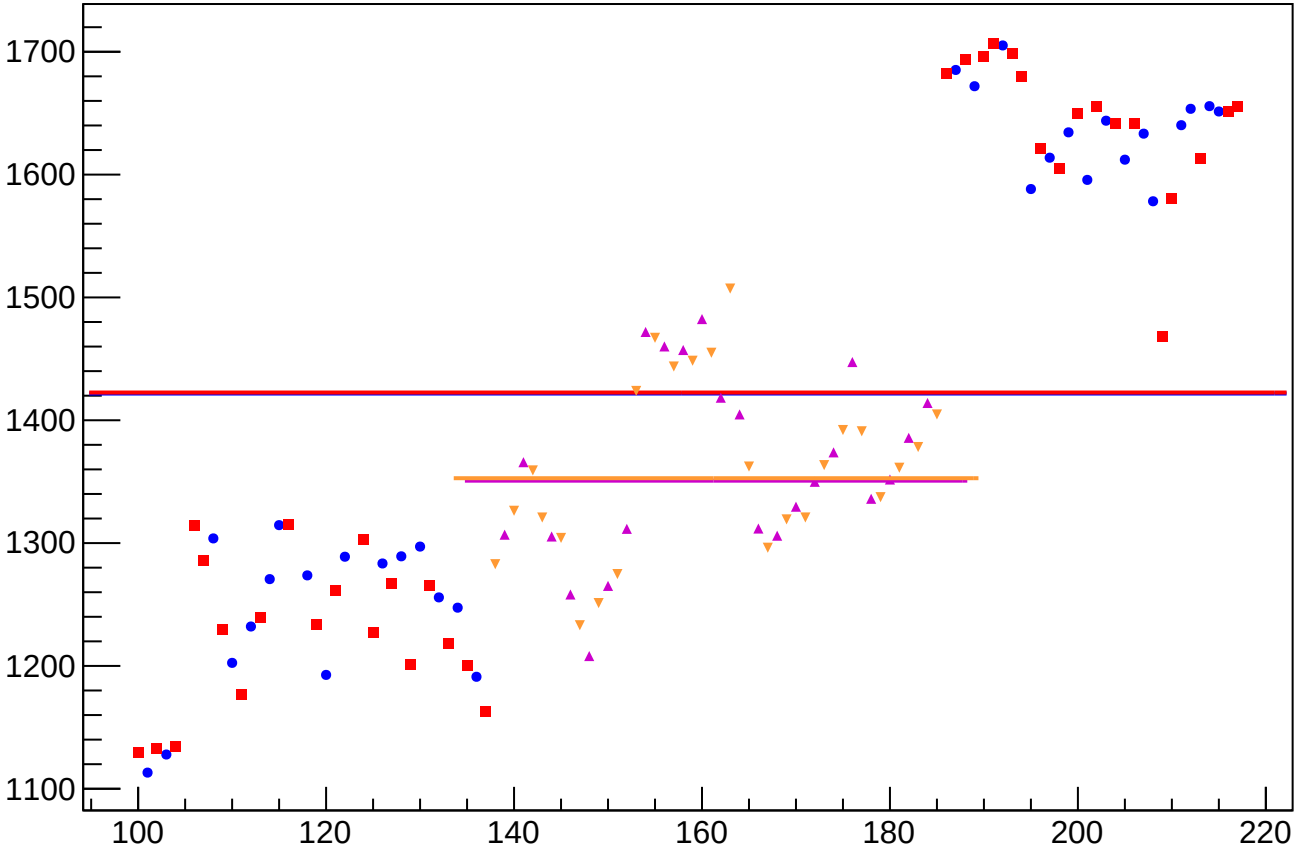
Right: -18.273+/-0.227 χ^2/NDF: 63236.8/66

In: 5.706+/-0.227 χ^2/NDF:14073.4/53

Out: -0.159+/-0.221 χ^2/NDF:77971.7/60

All: 2.685+/-0.158 χ^2/NDF: 92388.0/114

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: 1422.590+/-0.224 χ^2/NDF: 933879.8/35

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

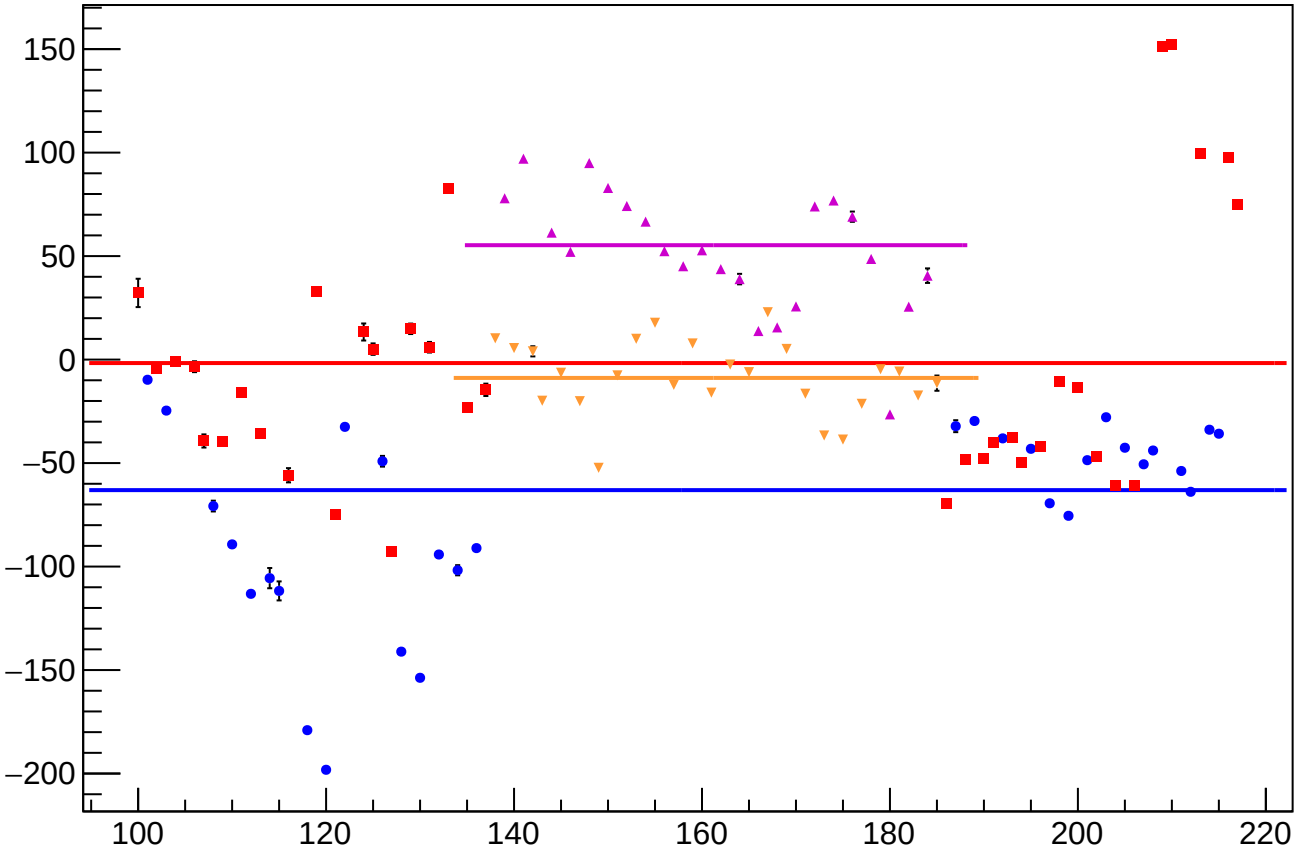
Right: 1422.186+/-0.161 χ^2/NDF: 1768021.8/66

In: 1385.065+/-0.161 χ^2/NDF:991361.7/53

Out: 1386.780+/-0.156 χ^2/NDF:1088721.7/60

All: 1385.948+/-0.112 χ^2/NDF: 2080142.0/11

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: -1.678+/-0.317 χ^2/NDF: 44779.9/35

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

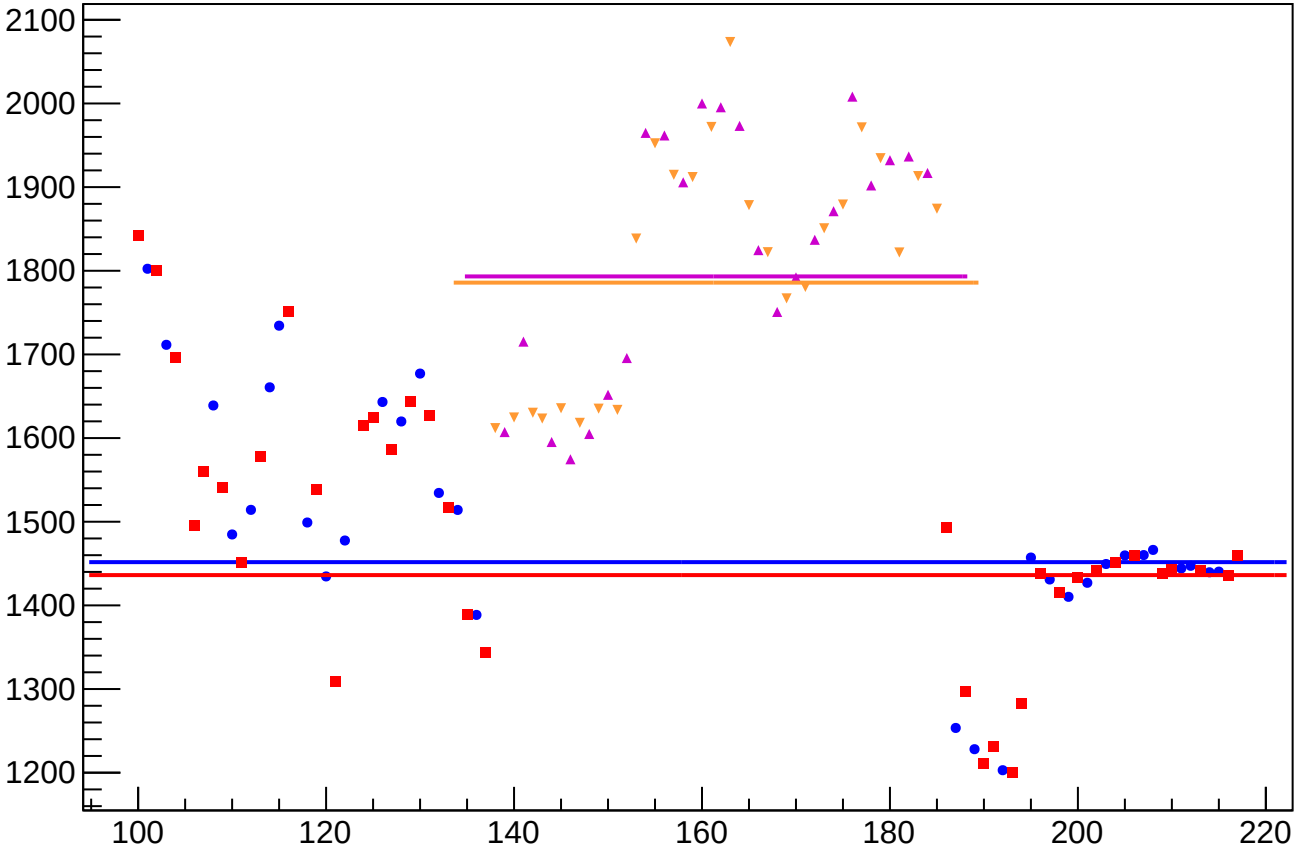
Right: -30.972+/-0.229 χ^2/NDF: 77429.4/66

In: -17.694+/-0.260 χ^2/NDF:68297.8/53

Out: -4.386+/-0.250 χ^2/NDF:46926.8/60

All: -10.770+/-0.180 χ^2/NDF: 116583.8/114

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: 1436.202+/-0.224 χ^2/NDF: 331455.5/35

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

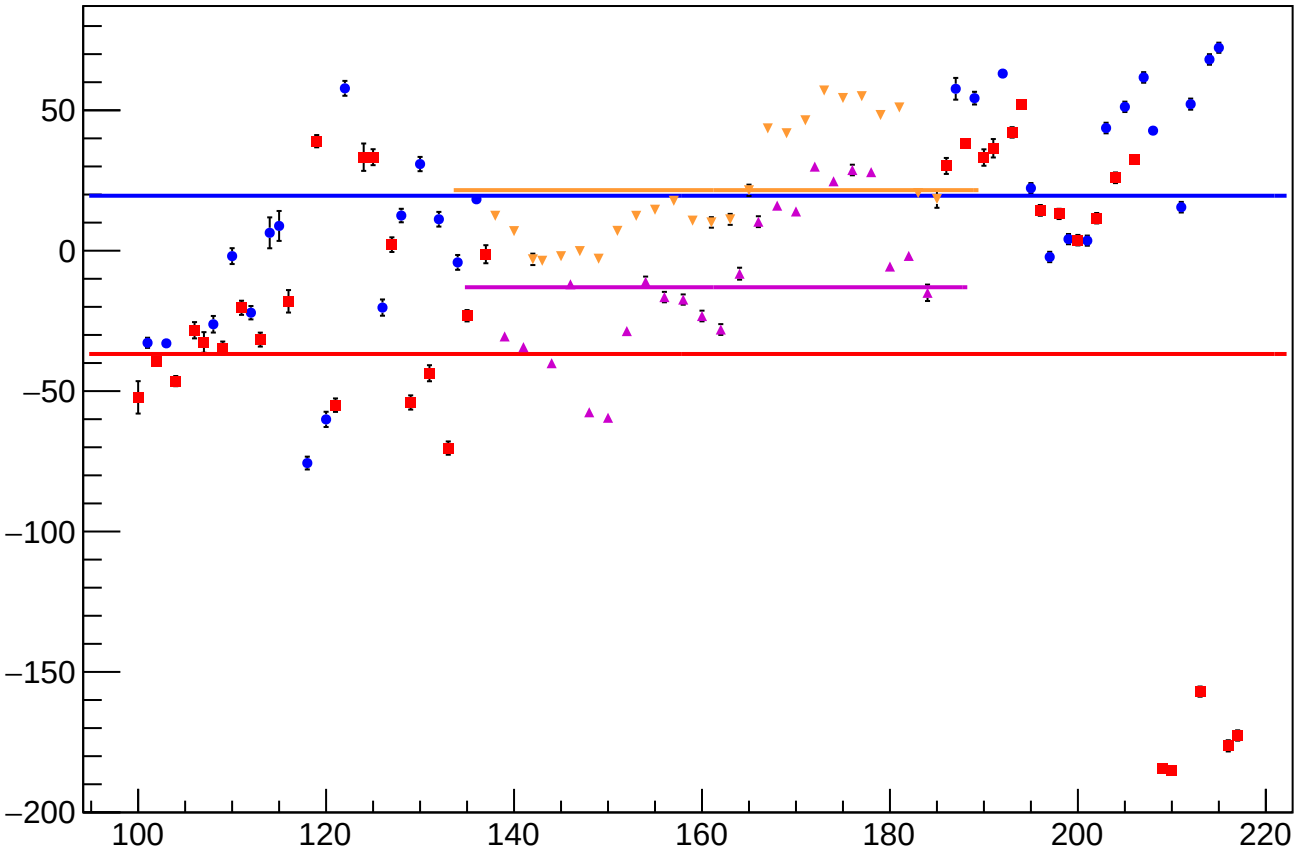
Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

Right: 1443.594+/-0.162 χ^2/NDF: 615785.2/66

In: 1582.662+/-0.184 χ^2/NDF:1348480.5/53

Out: 1568.031+/-0.177 χ^2/NDF:1487334.1/60

All: 1575.050+/-0.128 χ^2/NDF: 2839100.1/11



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: -36.778+/-0.364 χ^2/NDF: 47065.9/35

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

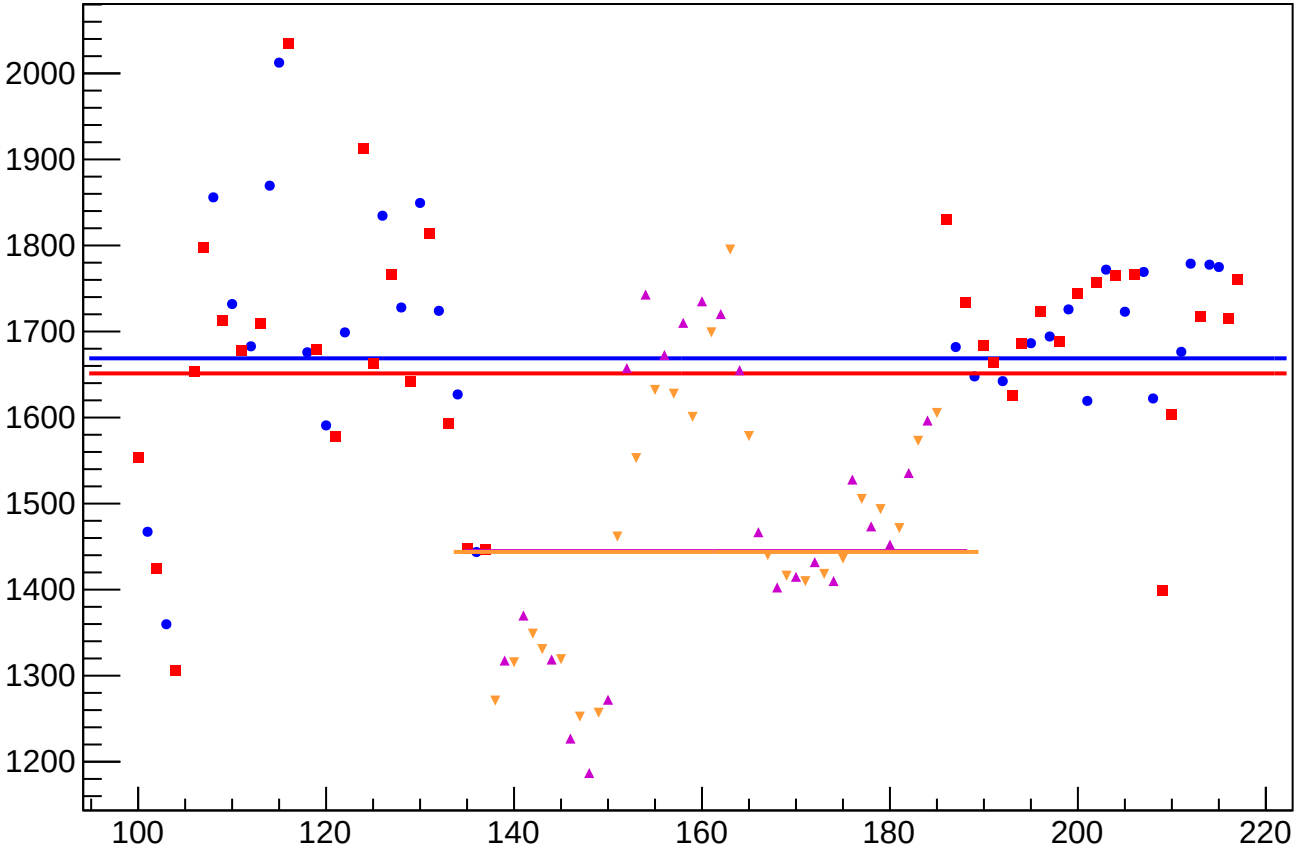
Right: -9.883+/-0.263 χ^2/NDF: 68169.2/66

In: 1.419+/-0.254 χ^2/NDF:20385.2/53

Out: -4.715+/-0.245 χ^2/NDF:65314.1/60

All: -1.761+/-0.176 χ^2/NDF: 86002.2/114

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: 1651.299+/-0.258 χ^2/NDF: 291045.9/35

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

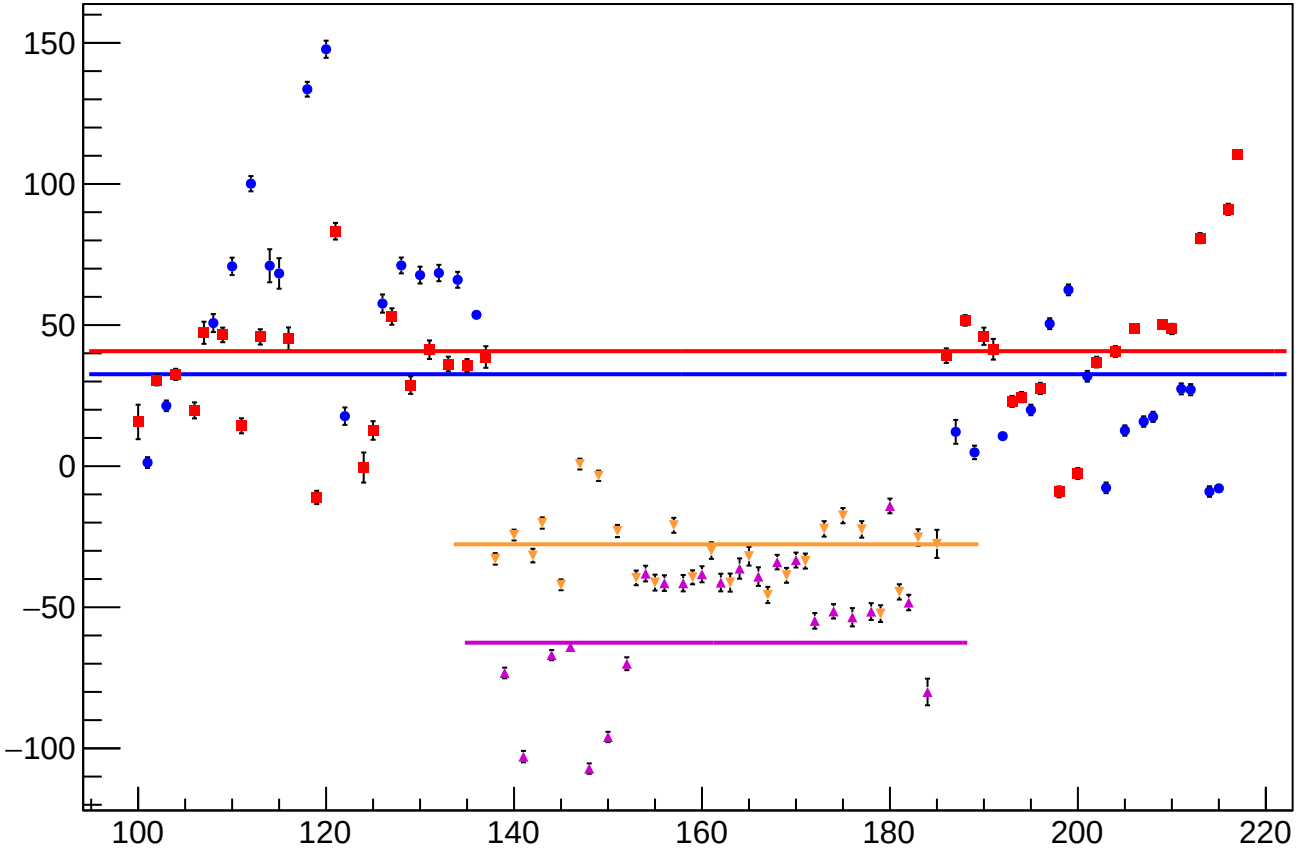
Right: 1659.667+/-0.186 χ^2/NDF: 504279.5/66

In: 1544.033+/-0.179 χ^2/NDF:1080709.5/53

Out: 1537.282+/-0.173 χ^2/NDF:999718.7/60

All: 1540.532+/-0.125 χ^2/NDF: 2081161.9/11

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: 40.763+/-0.384 χ^2/NDF: 5242.4/35

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

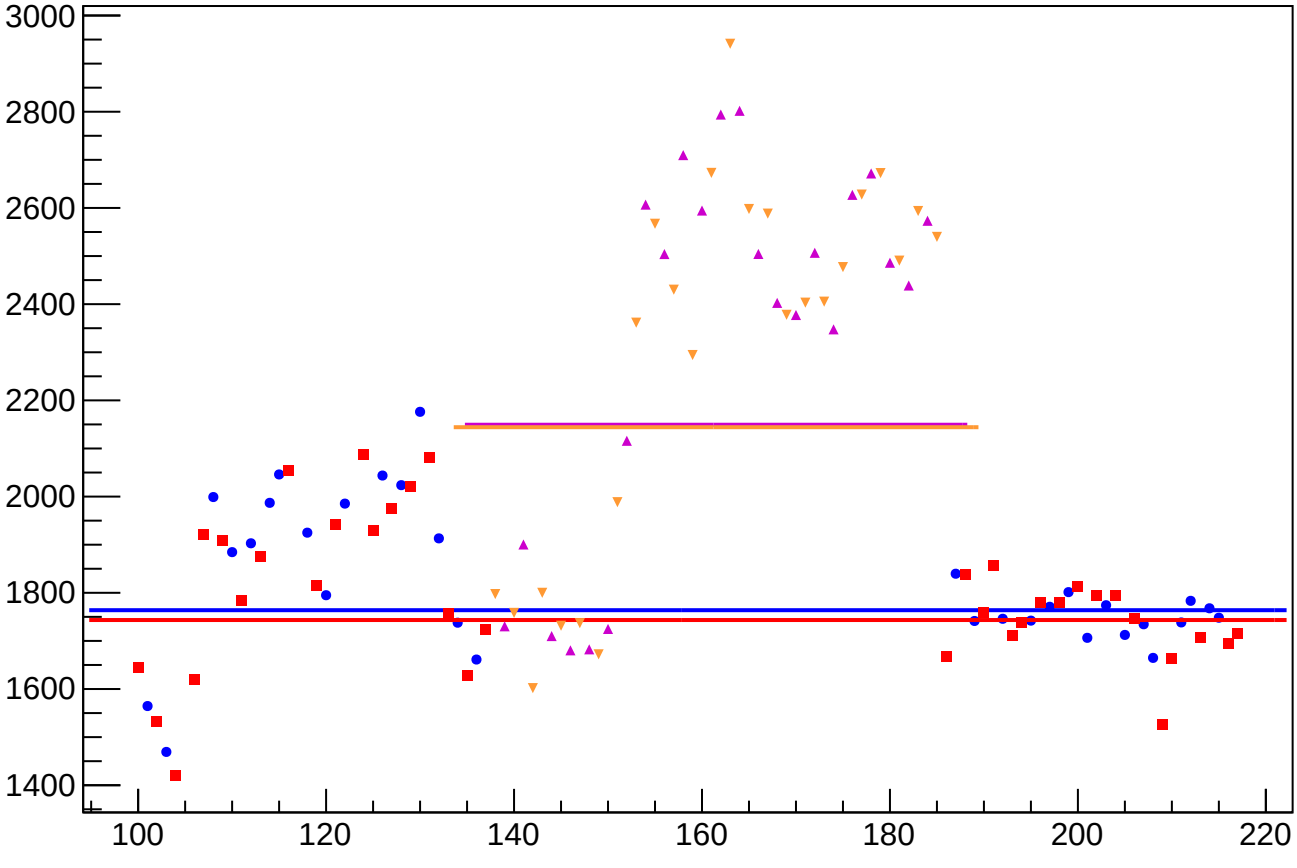
Right: 36.867+/-0.278 χ^2/NDF: 12851.2/66

In: -3.819+/-0.317 χ^2/NDF:31191.5/53

Out: 15.079+/-0.304 χ^2/NDF:17908.5/60

All: 6.018+/-0.219 χ^2/NDF: 50955.0/114

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: 1743.409+/-0.272 χ^2/NDF: 248525.0/35

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

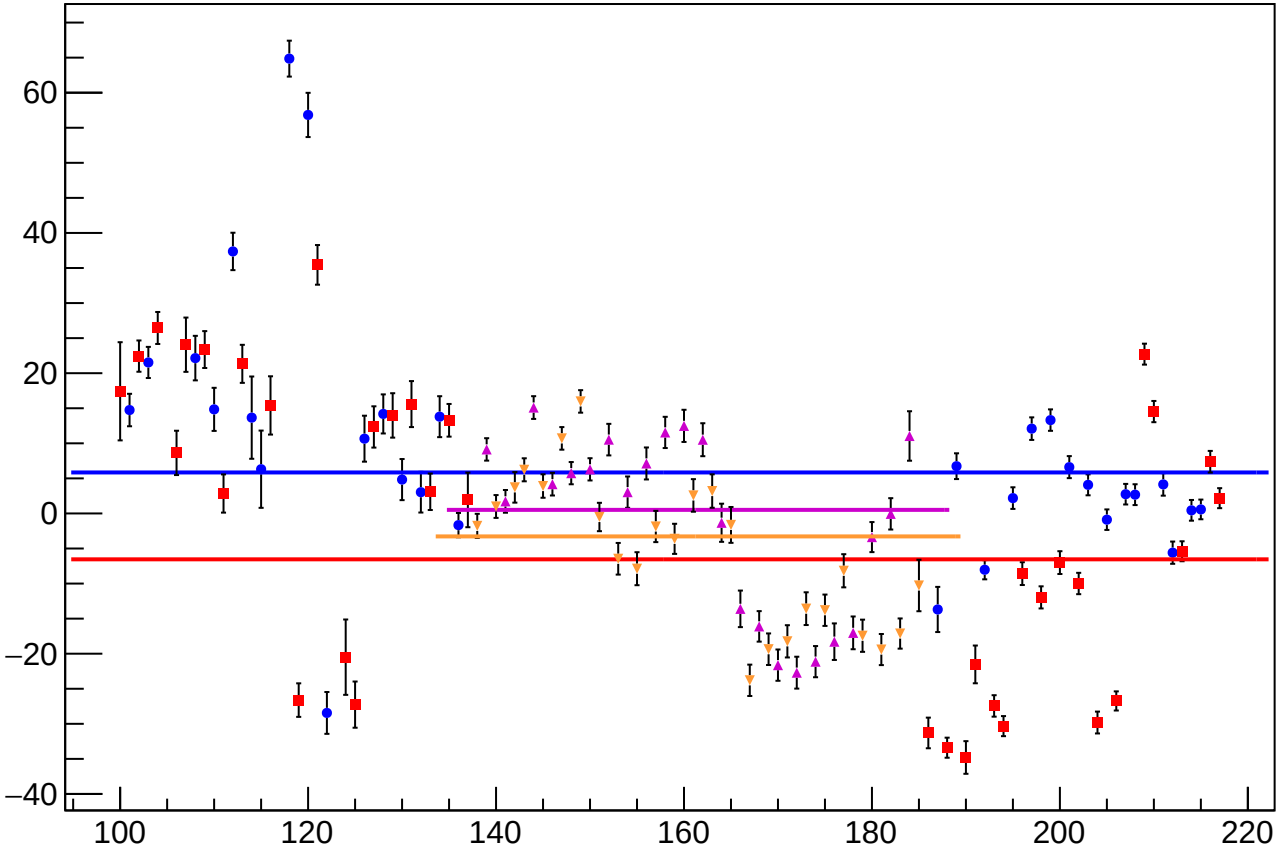
Right: 1753.156+/-0.197 χ^2/NDF: 461924.9/66

In: 1911.367+/-0.224 χ^2/NDF:2177044.2/53

Out: 1893.788+/-0.215 χ^2/NDF:2344291.9/60

All: 1902.217+/-0.155 χ^2/NDF: 4524546.4/11

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: -6.543+/-0.334 χ^2/NDF: 3586.6/35

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

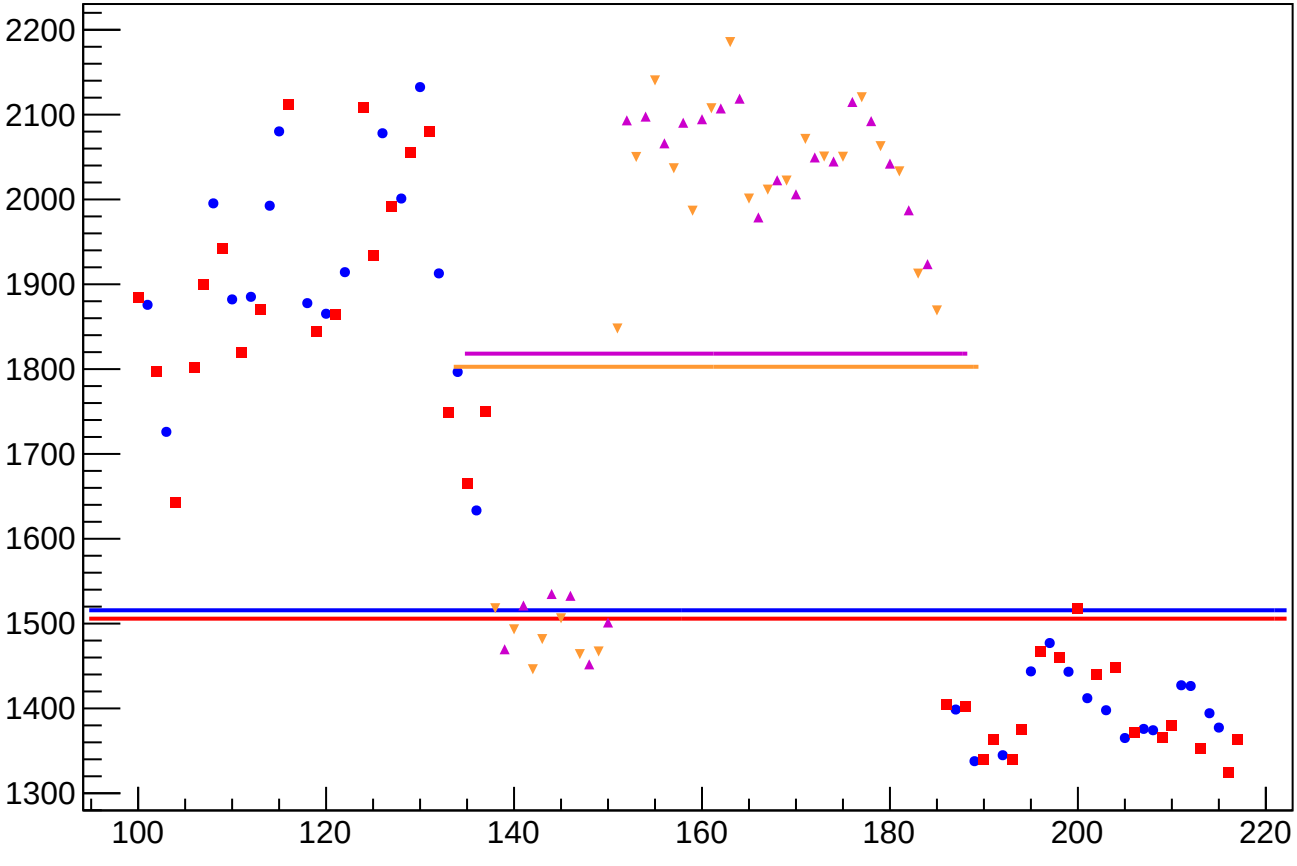
Right: -0.611+/-0.241 χ^2/NDF: 5745.4/66

In: 3.728+/-0.271 χ^2/NDF:2339.5/53

Out: -5.256+/-0.260 χ^2/NDF:4295.4/60

All: -0.943+/-0.188 χ^2/NDF: 7207.3/114

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: 1505.809+/-0.236 χ^2/NDF: 789608.2/35

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

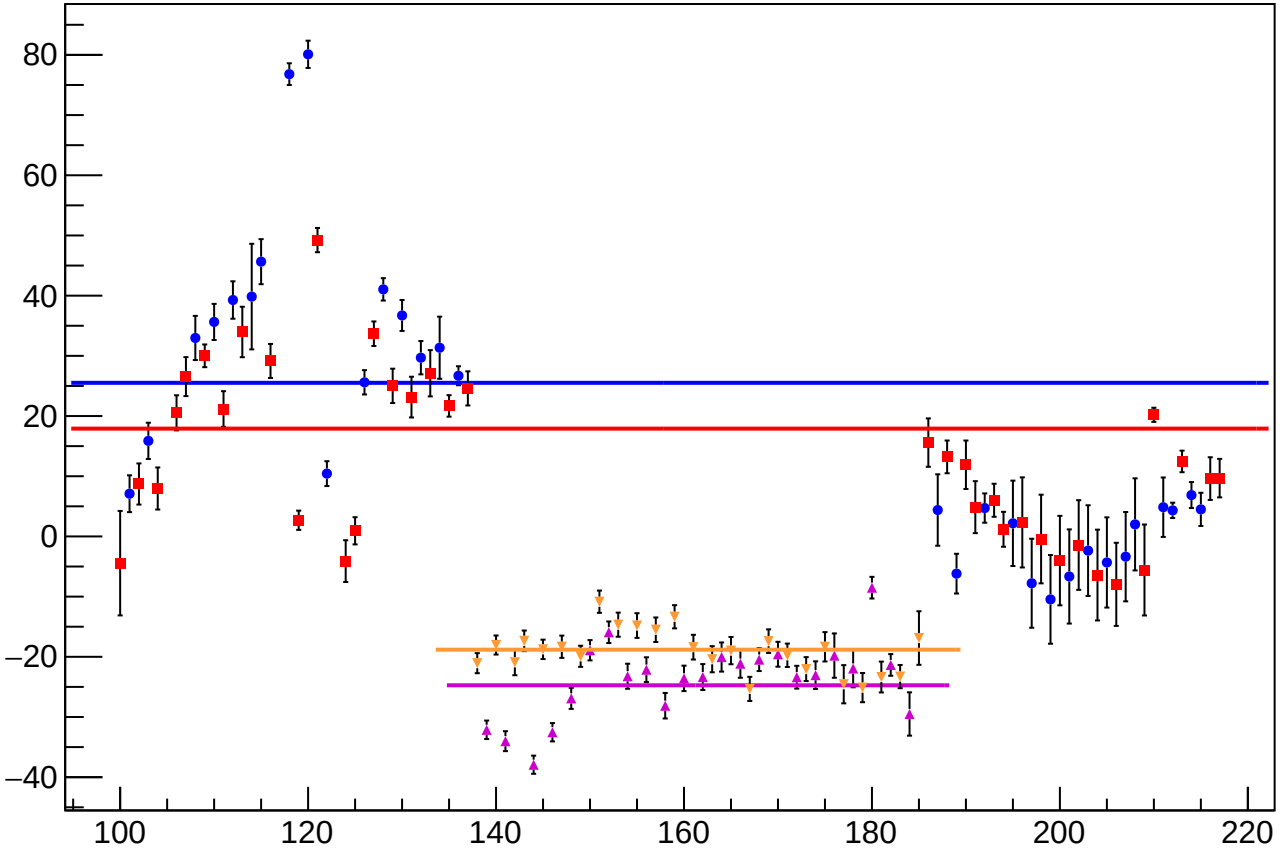
Right: 1510.547+/-0.171 χ^2/NDF: 1563767.3/66

In: 1635.785+/-0.191 χ^2/NDF:2211274.8/53

Out: 1622.755+/-0.184 χ^2/NDF:2308727.5/60

All: 1629.011+/-0.133 χ^2/NDF: 4522409.8/11

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: 17.912+/-0.459 χ^2/NDF: 767.4/35

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

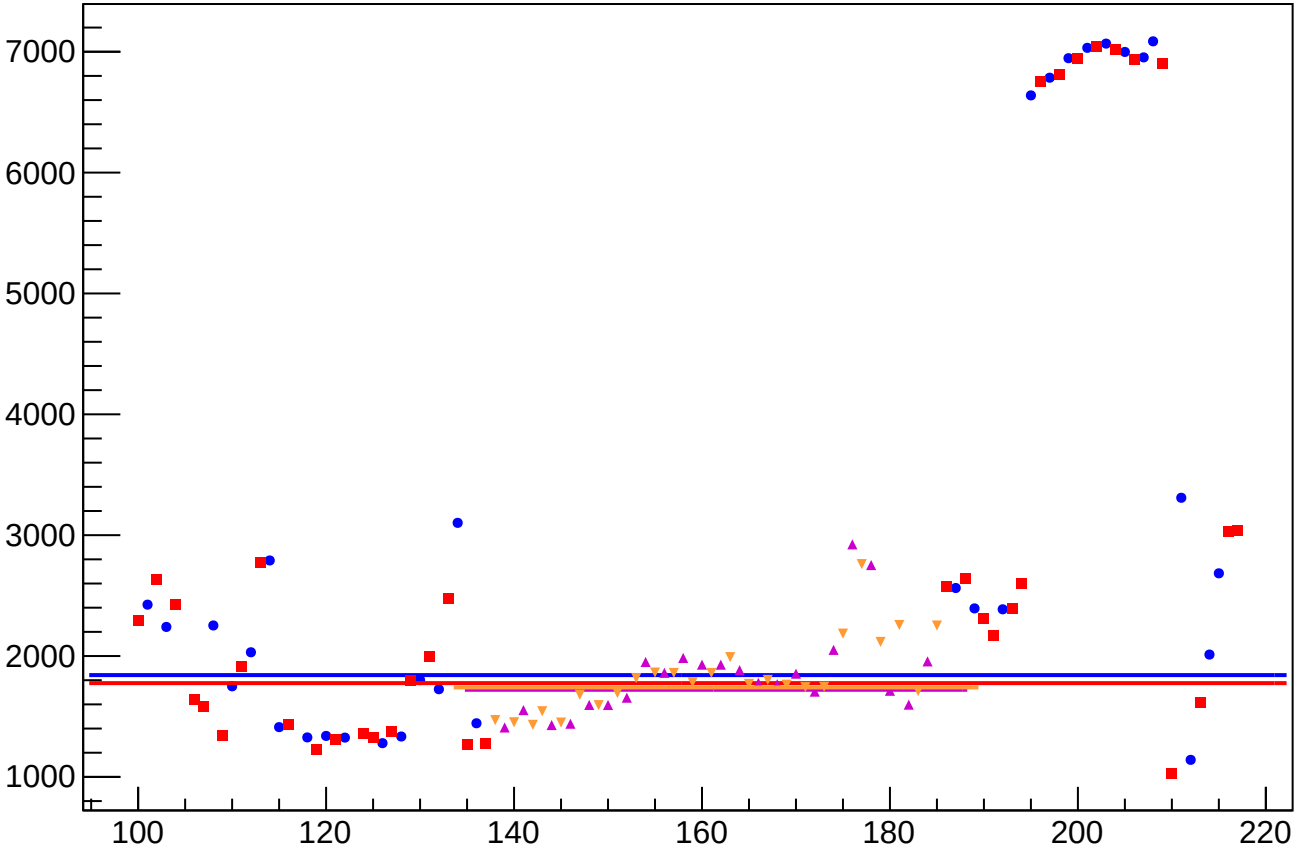
Right: 21.396+/-0.338 χ^2/NDF: 3268.9/66

In: -4.546+/-0.316 χ^2/NDF:8753.9/53

Out: -2.860+/-0.302 χ^2/NDF:4469.8/60

All: -3.665+/-0.218 χ^2/NDF: 13238.6/114

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: 1775.862+/-0.324 χ^2/NDF: 10072661.0/35

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

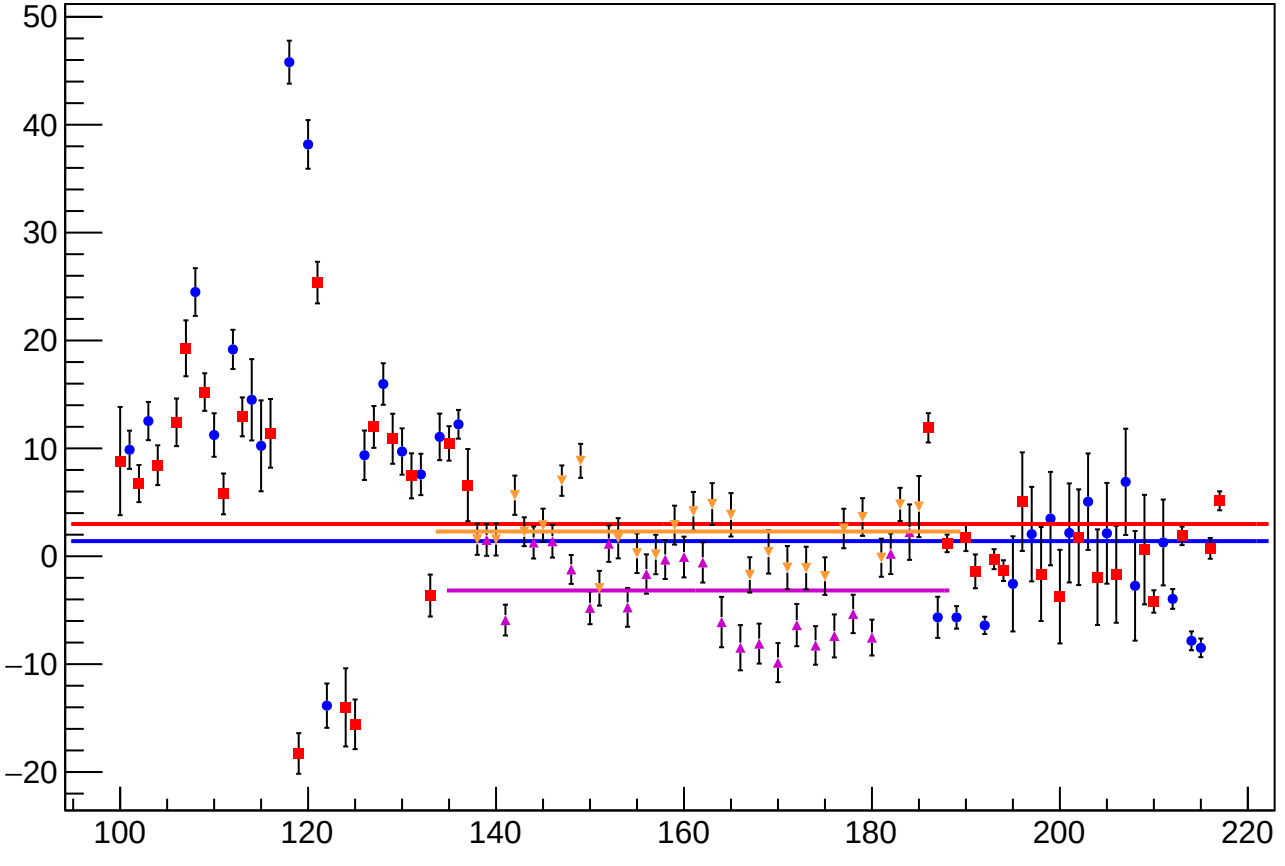
Right: 1806.271+/-0.239 χ^2/NDF: 19839188.7/66

In: 1769.628+/-0.224 χ^2/NDF:10702169.5/53

Out: 1755.630+/-0.214 χ^2/NDF:10832921.3/60

All: 1762.314+/-0.154 χ^2/NDF: 21537138.9/

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: 2.988+/-0.262 χ^2/NDF: 739.4/35

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

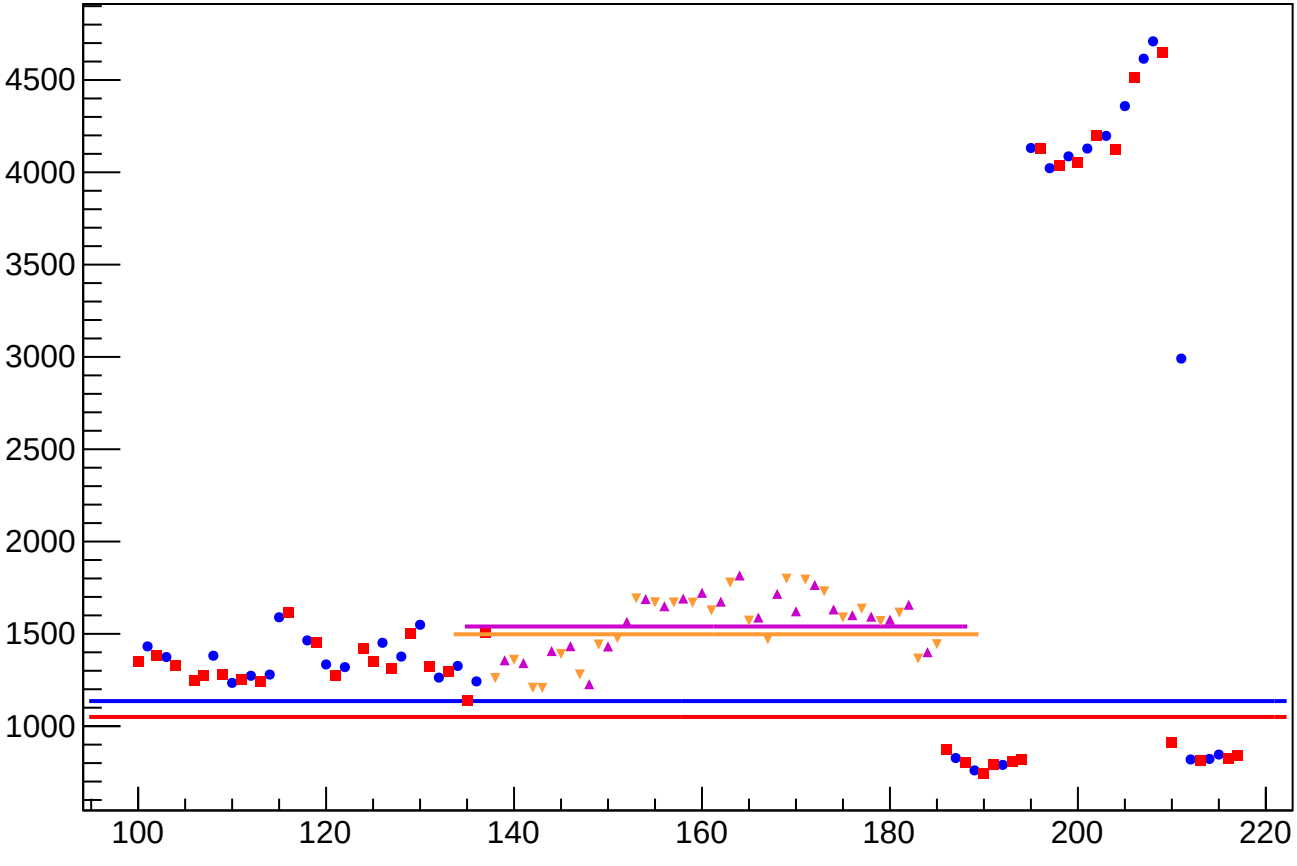
Right: 2.308+/-0.198 χ^2/NDF: 2495.7/66

In: -0.472+/-0.232 χ^2/NDF:1945.0/53

Out: 2.732+/-0.208 χ^2/NDF:815.5/60

All: 1.302+/-0.155 χ^2/NDF: 2866.1/114

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: 1049.780+/-0.185 χ^2/NDF: 8700961.2/35

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

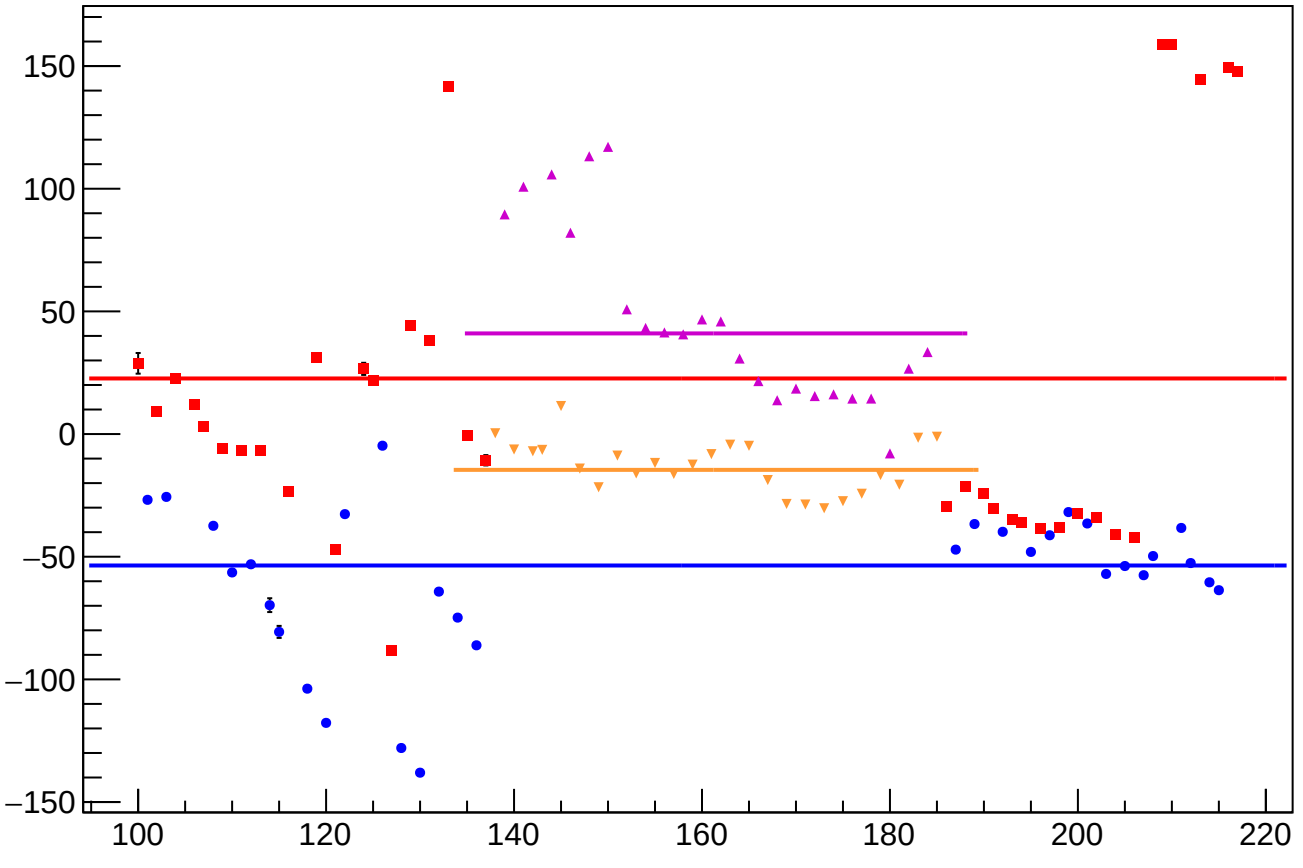
Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

Right: 1086.716+/-0.140 χ^2/NDF: 18504160.7/66

In: 1301.430+/-0.164 χ^2/NDF:11557970.9/53

Out: 1214.548+/-0.147 χ^2/NDF:11419882.8/60

All: 1253.322+/-0.110 χ^2/NDF: 23133109.8/



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: 22.657+/-0.157 χ^2/NDF: 268461.8/35

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

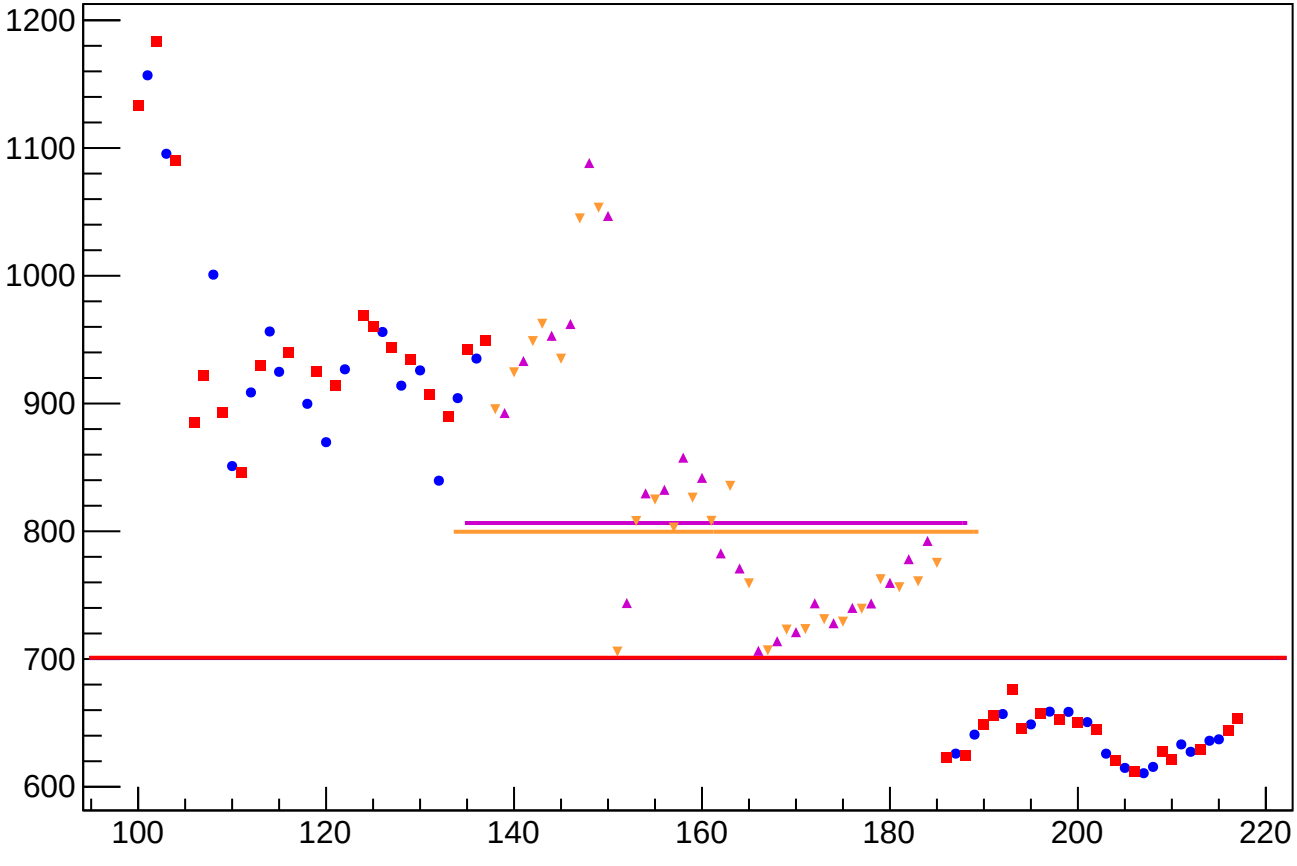
Right: -14.103+/-0.113 χ^2/NDF: 401464.7/66

In: -13.641+/-0.123 χ^2/NDF:193279.3/53

Out: 6.910+/-0.119 χ^2/NDF:295561.5/60

All: -2.995+/-0.086 χ^2/NDF: 503229.5/114

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: 701.010+/-0.111 χ^2/NDF: 1345550.4/35

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

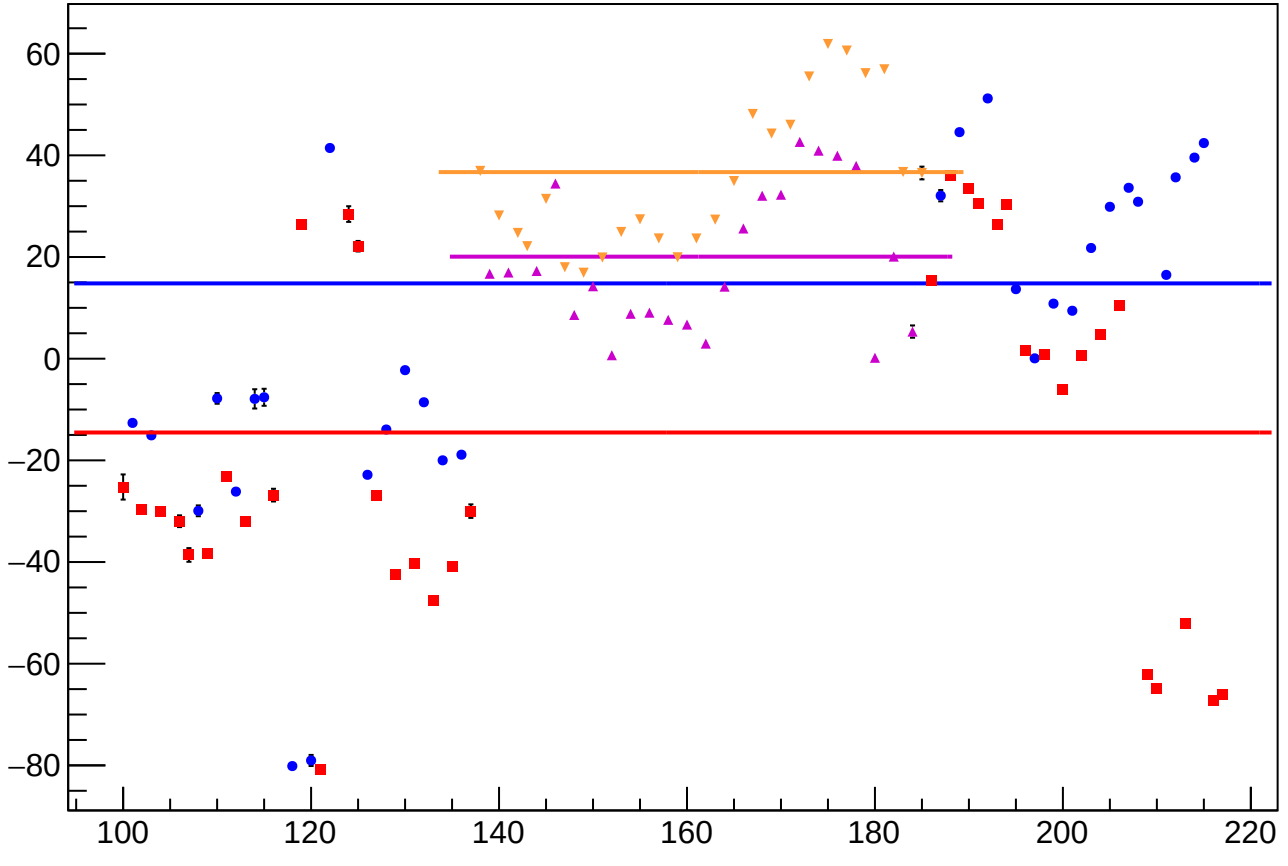
Right: 700.897+/-0.080 χ^2/NDF: 2631676.2/66

In: 745.401+/-0.087 χ^2/NDF:2155922.6/53

Out: 742.700+/-0.084 χ^2/NDF:2178574.2/60

All: 744.002+/-0.061 χ^2/NDF: 4334994.0/114

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: -14.521+/-0.117 χ^2/NDF: 94034.1/35

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

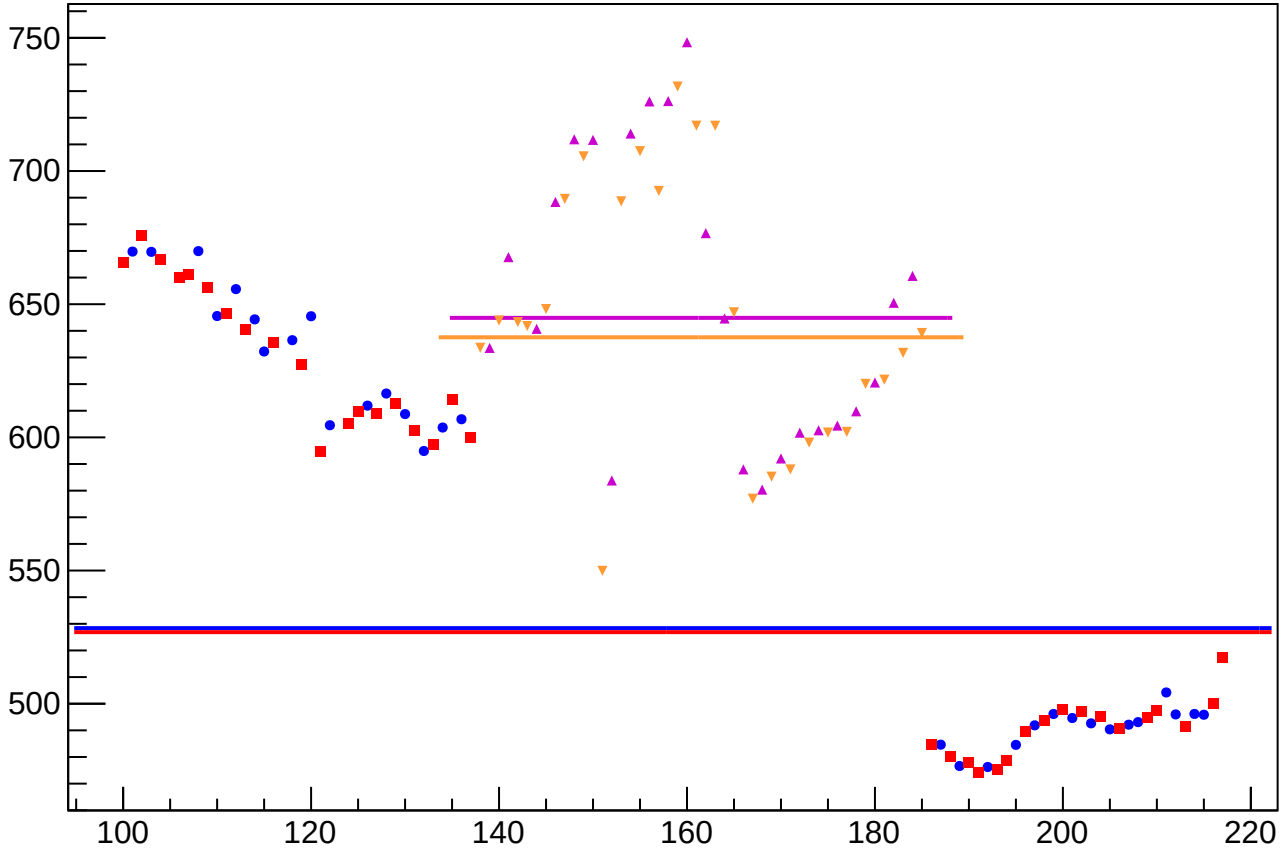
Right: -0.419+/-0.084 χ^2/NDF: 178012.8/66

In: 16.864+/-0.095 χ^2/NDF:62812.4/53

Out: 5.507+/-0.091 χ^2/NDF:179828.5/60

All: 10.966+/-0.066 χ^2/NDF: 250138.7/114

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: 526.879+/-0.082 χ^2/NDF: 574584.4/35

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

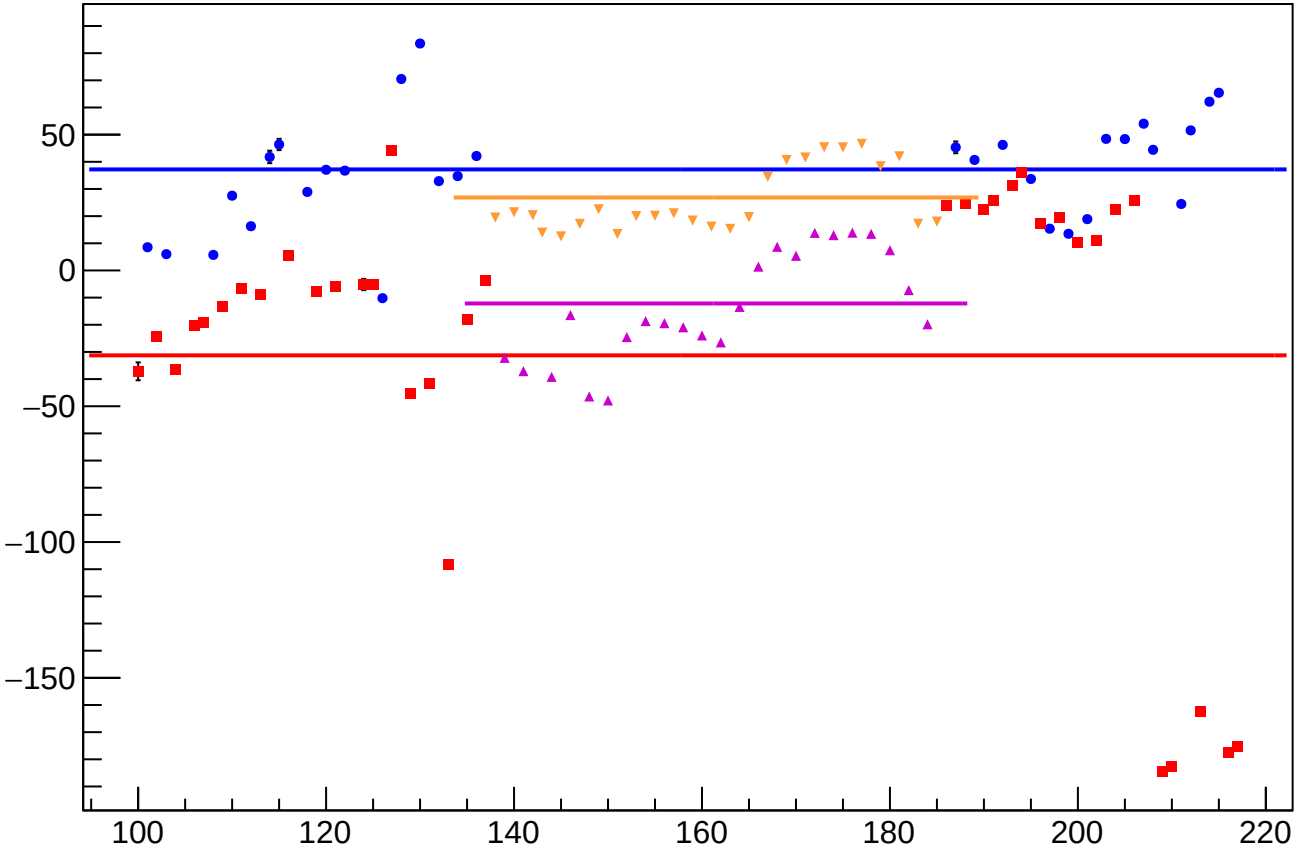
Right: 527.600+/-0.059 χ^2/NDF: 1116608.4/66

In: 573.885+/-0.067 χ^2/NDF:1494539.5/53

Out: 570.156+/-0.064 χ^2/NDF:1516791.6/60

All: 571.948+/-0.046 χ^2/NDF: 3012948.2/114

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: -31.263+/-0.192 χ^2/NDF: 142032.0/35

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

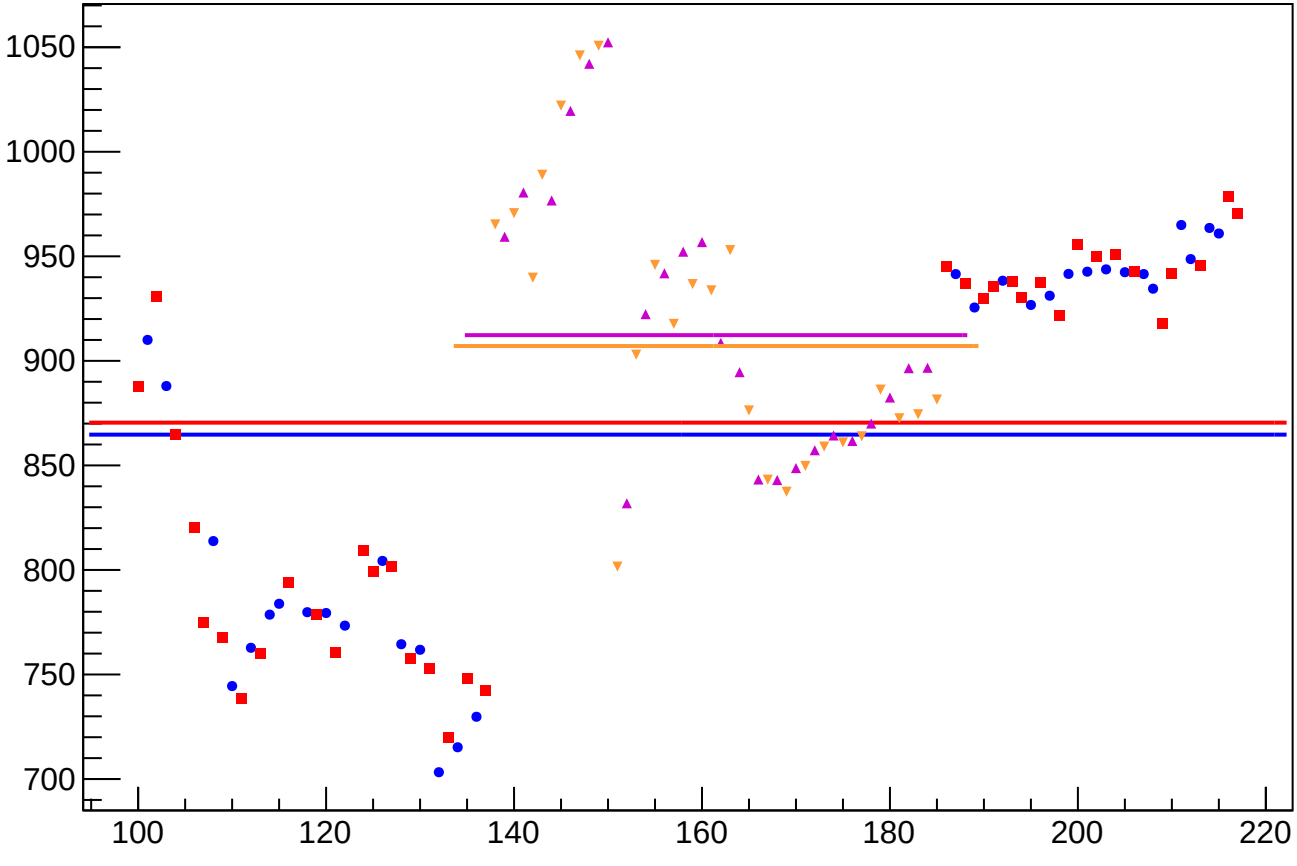
Right: 1.957+/-0.138 χ^2/NDF: 214324.2/66

In: 14.408+/-0.145 χ^2/NDF:47962.8/53

Out: -4.311+/-0.141 χ^2/NDF:187851.9/60

All: 4.755+/-0.101 χ^2/NDF: 244384.9/114

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 864.715+/-0.140 χ^2/NDF: 436472.0/30

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 870.456+/-0.136 χ^2/NDF: 417481.0/35

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

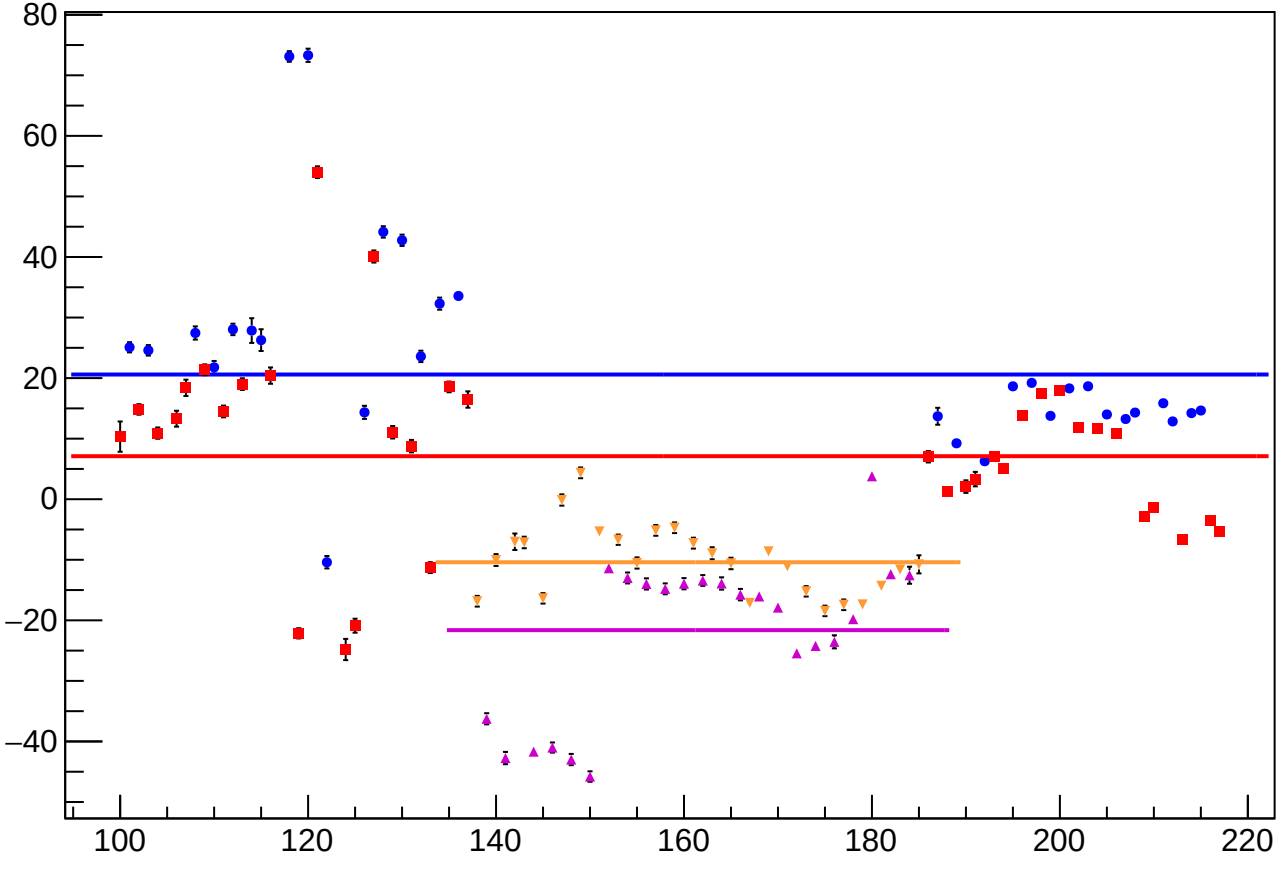
Right: 867.670+/-0.097 χ^2/NDF: 854819.3/66

In: 886.688+/-0.103 χ^2/NDF:664570.8/53

Out: 887.441+/-0.100 χ^2/NDF:645790.0/60

All: 887.076+/-0.071 χ^2/NDF: 1310388.5/114

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: 7.104+/-0.134 χ^2/NDF: 9568.4/35

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

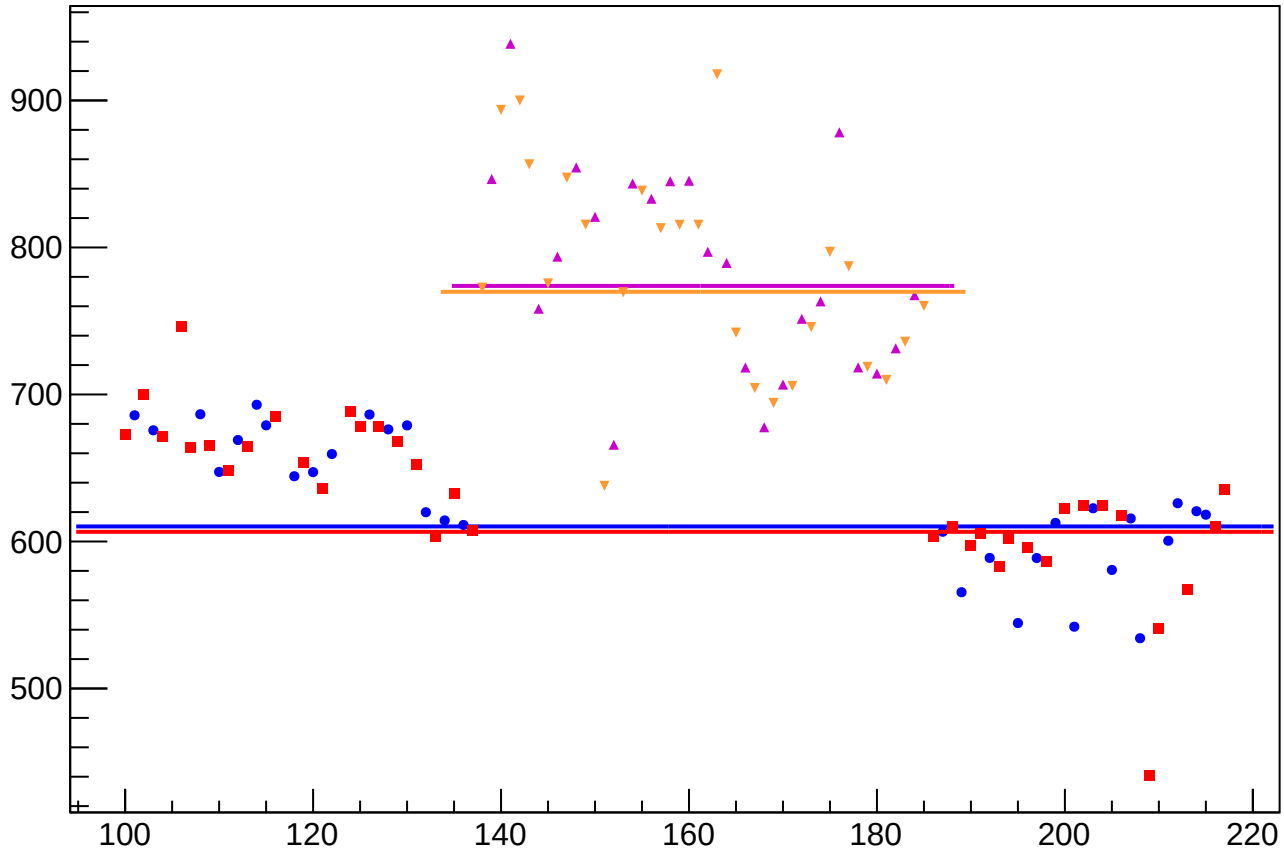
Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

Right: 13.577+/-0.097 χ^2/NDF: 24856.8/66

In: 4.941+/-0.111 χ^2/NDF:49552.8/53

Out: 0.670+/-0.107 χ^2/NDF:16871.2/60

All: 2.725+/-0.077 χ^2/NDF: 67195.3/114



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: 606.568+/-0.095 χ^2/NDF: 412736.4/35

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

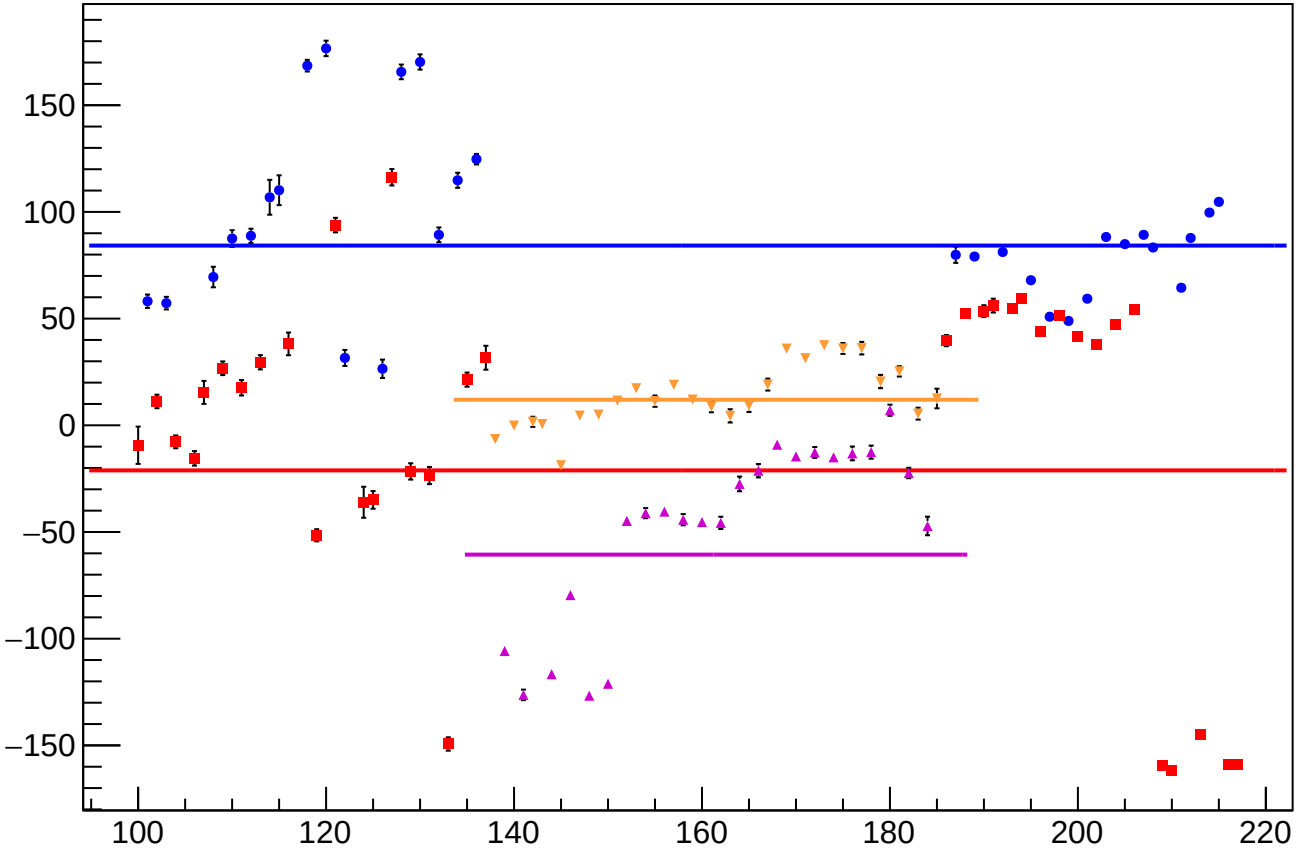
Right: 608.327+/-0.068 χ^2/NDF: 610284.8/66

In: 670.896+/-0.078 χ^2/NDF:1497396.4/53

Out: 666.567+/-0.075 χ^2/NDF:1806110.5/60

All: 668.650+/-0.054 χ^2/NDF: 3305091.0/114

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: -21.130+/-0.397 χ^2/NDF: 55367.4/35

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

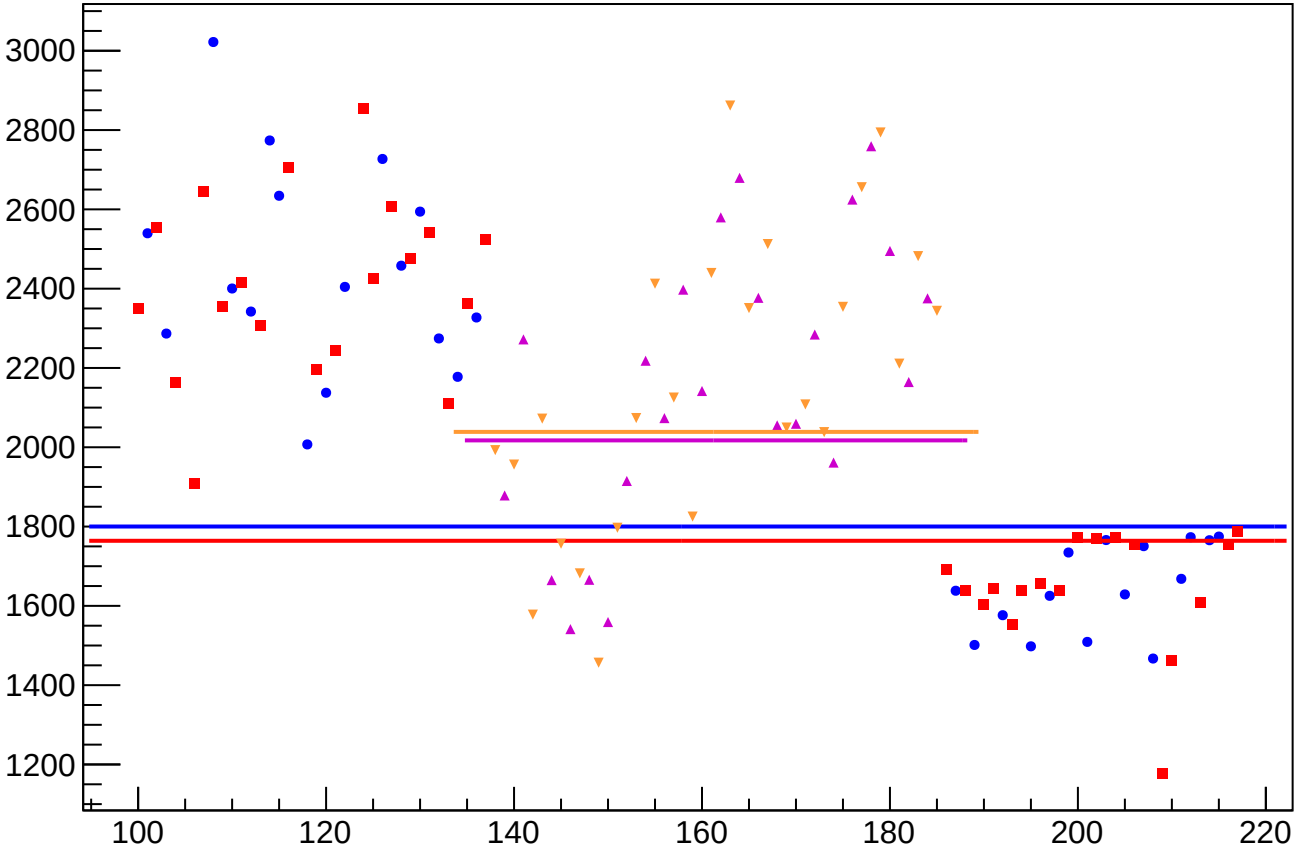
Right: 28.679+/-0.288 χ^2/NDF: 93739.8/66

In: 21.757+/-0.316 χ^2/NDF:65222.0/53

Out: -7.408+/-0.304 χ^2/NDF:59203.5/60

All: 6.595+/-0.219 χ^2/NDF: 128858.4/114

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: 1764.118+/-0.280 χ^2/NDF: 1598298.5/35

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

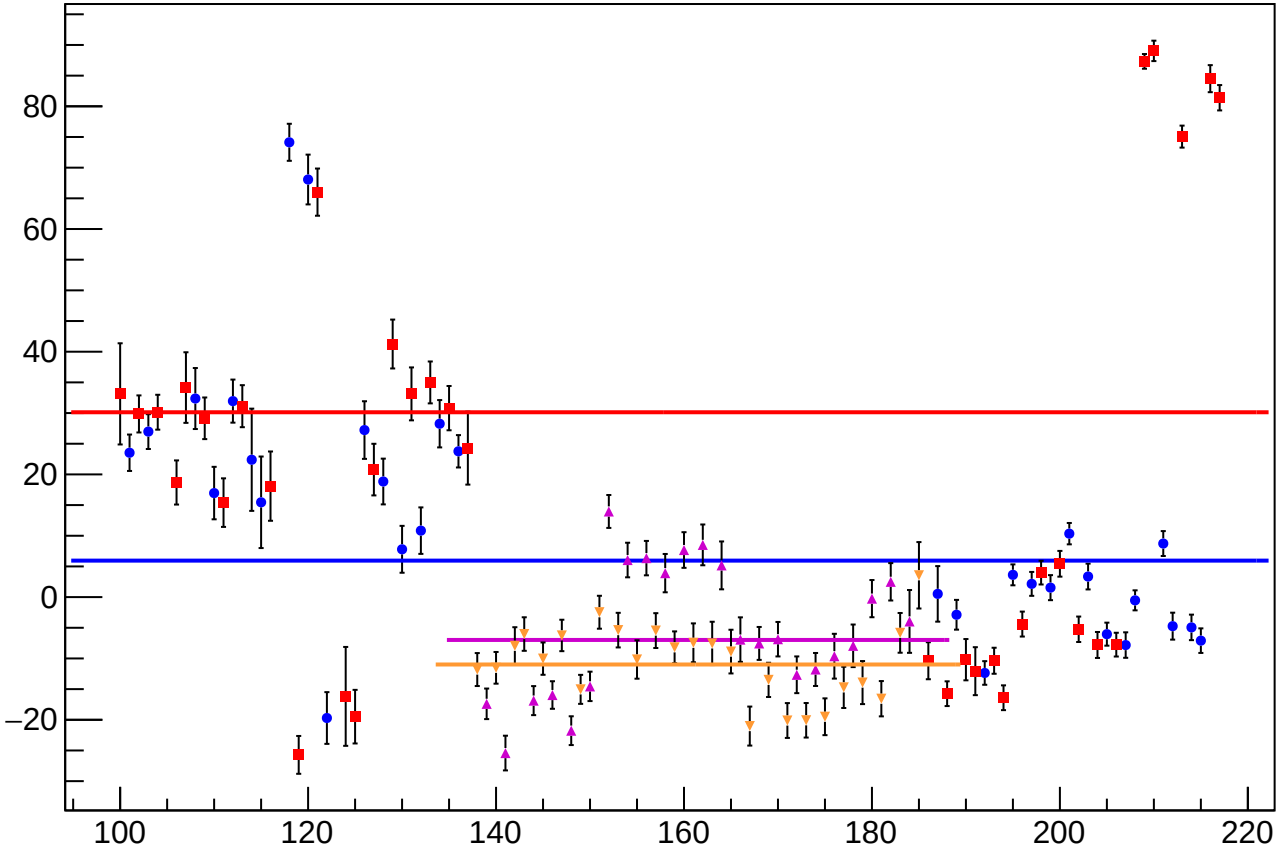
Right: 1781.141+/-0.204 χ^2/NDF: 2904607.5/66

In: 1893.809+/-0.223 χ^2/NDF:2580571.8/53

Out: 1877.920+/-0.215 χ^2/NDF:3119236.4/60

All: 1885.549+/-0.155 χ^2/NDF: 5702439.6/11

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: 30.130+/-0.427 χ^2/NDF: 9472.7/35

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

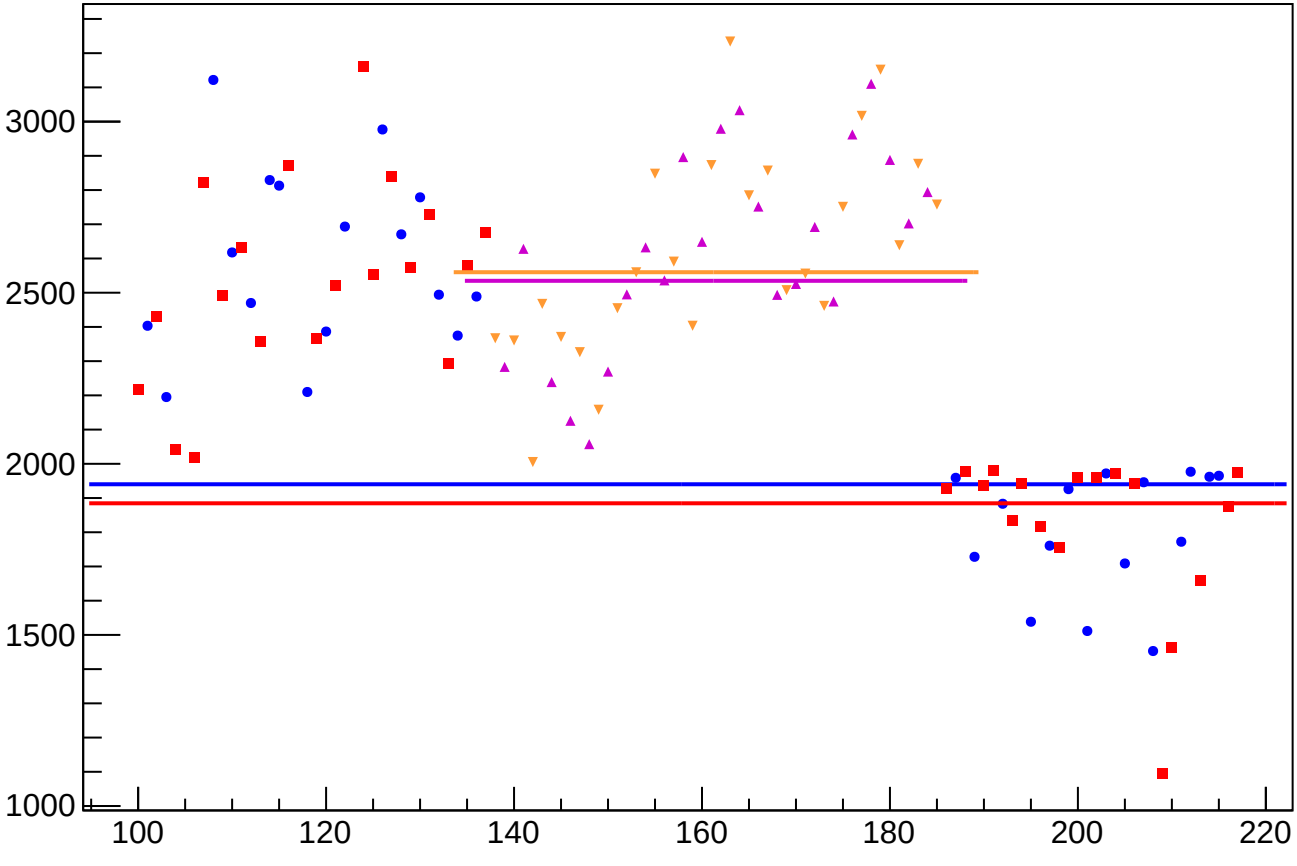
Right: 18.765+/-0.311 χ^2/NDF: 12377.5/66

In: 1.225+/-0.362 χ^2/NDF:2035.9/53

Out: 15.851+/-0.345 χ^2/NDF:12774.6/60

All: 8.876+/-0.250 χ^2/NDF: 15666.2/114

diff_bpm1i06Y_rms vs Slug, Sign Corrected



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: 1884.622+/-0.302 χ^2/NDF: 2009816.9/35

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

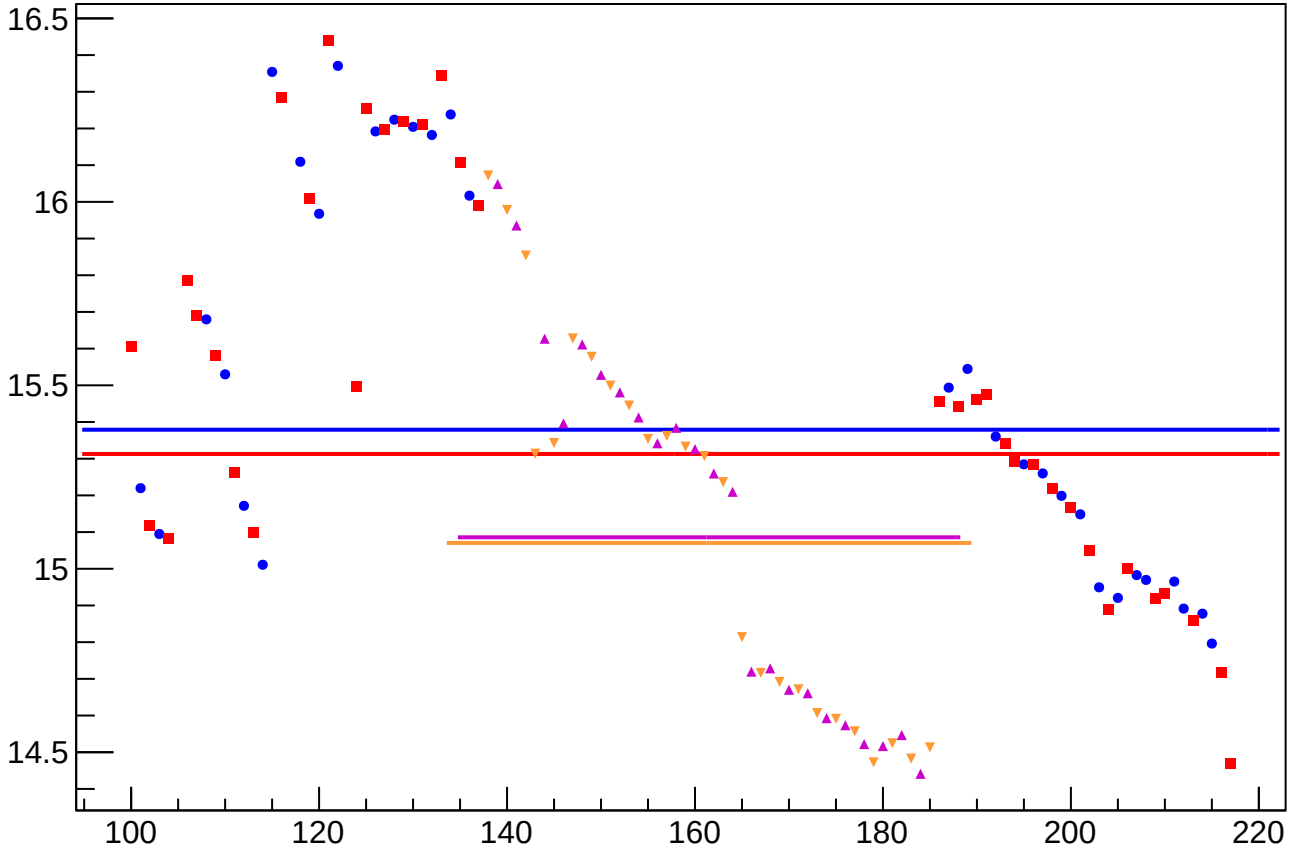
Right: 1910.760+/-0.220 χ^2/NDF: 3369078.3/66

In: 2157.337+/-0.256 χ^2/NDF:3060069.2/53

Out: 2119.150+/-0.244 χ^2/NDF:4194295.4/60

All: 2137.360+/-0.177 χ^2/NDF: 7266030.9/11

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.379+/-0.000 χ^2/NDF: 28810891196.1/30

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.313+/-0.000 χ^2/NDF: 31731881508.5/35

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

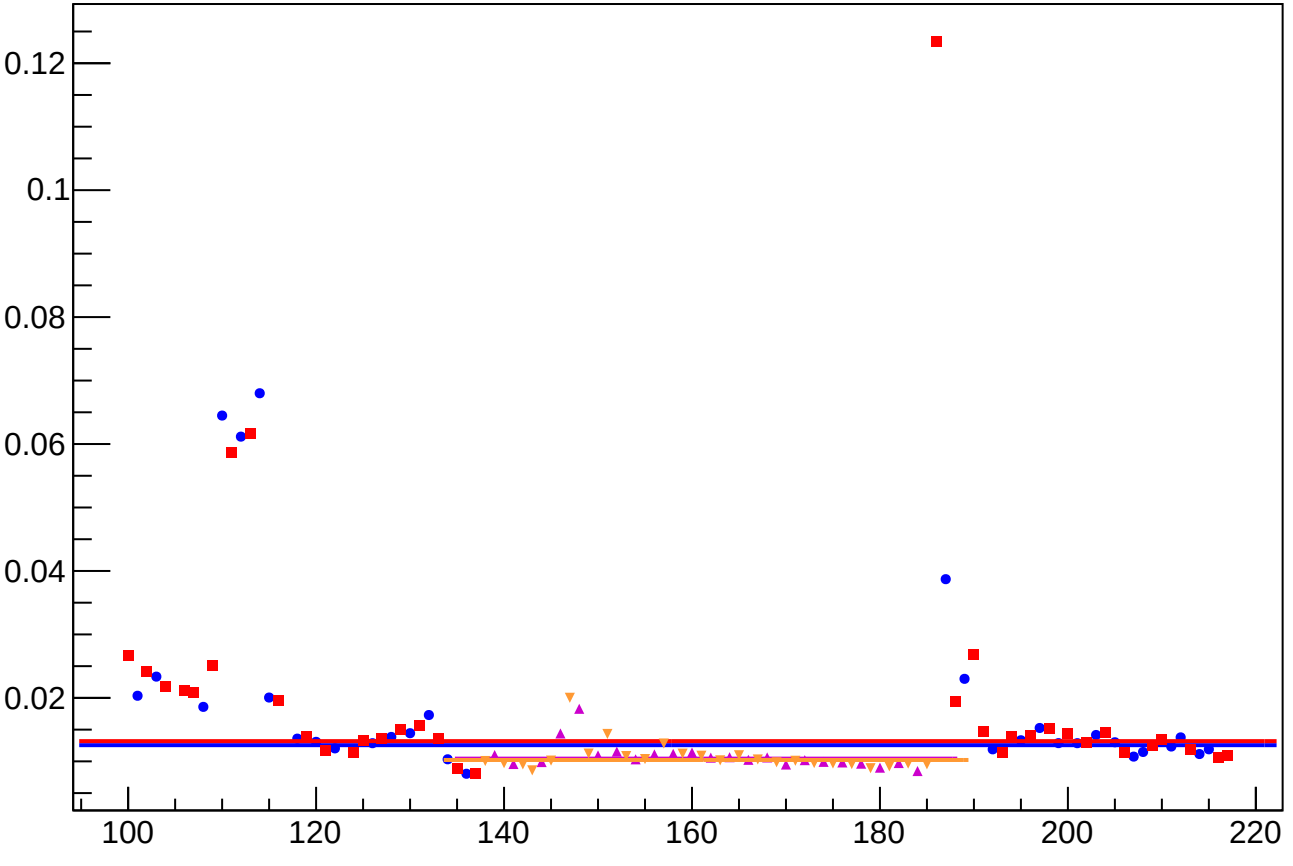
Right: 15.347+/-0.000 χ^2/NDF: 60771470525.6/66

In: 15.204+/-0.000 χ^2/NDF:73793448703.9/53

Out: 15.160+/-0.000 χ^2/NDF:79232552458.7/60

All: 15.182+/-0.000 χ^2/NDF: 153285694194.

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: 3566988.3/35

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

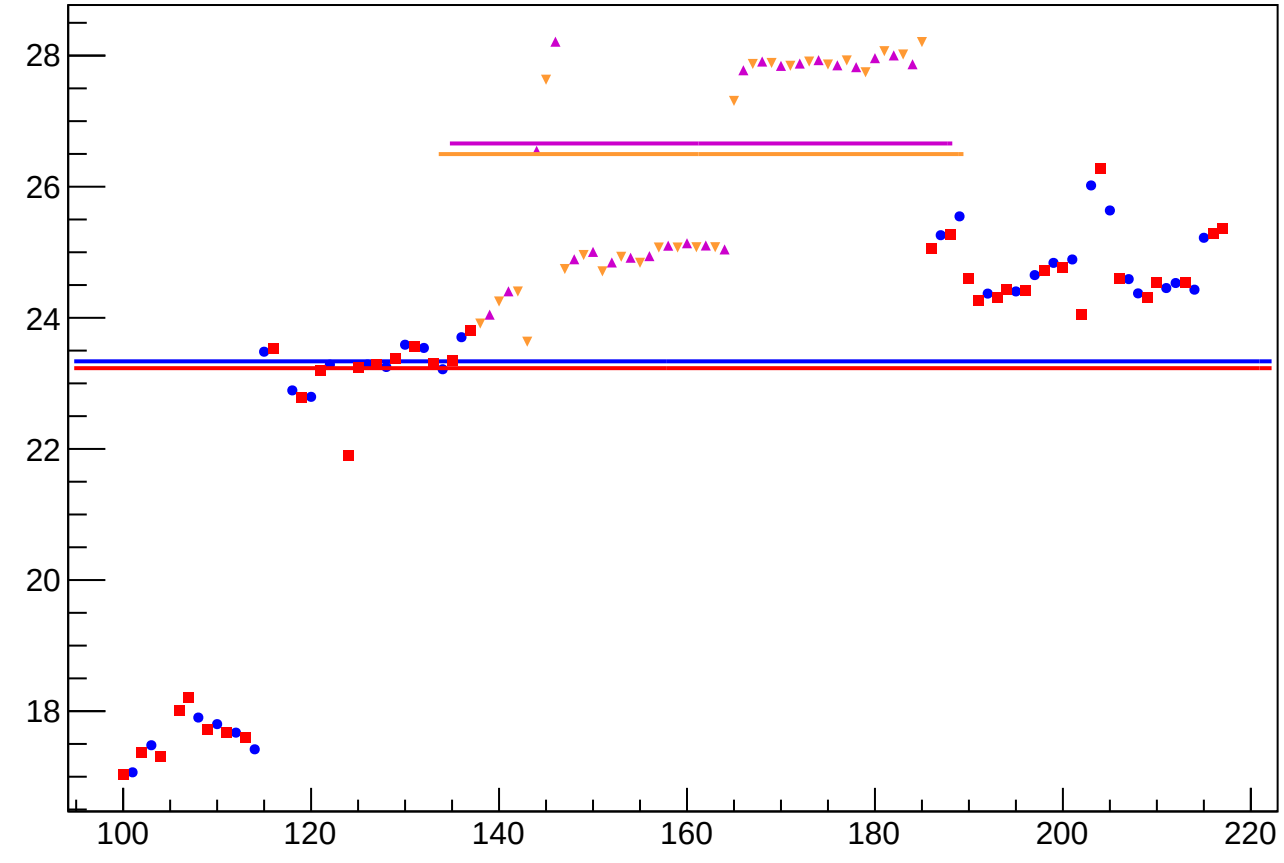
Right: 0.013+/-0.000 χ^2/NDF: 6491199.5/66

In: 0.011+/-0.000 χ^2/NDF:4053747.0/53

Out: 0.011+/-0.000 χ^2/NDF:5461900.8/60

All: 0.011+/-0.000 χ^2/NDF: 9515929.2/114

yield_sam2_mean vs Slug, Sign Corrected



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: 23.232+/-0.000 χ^2/NDF: 1865989388.6/35

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

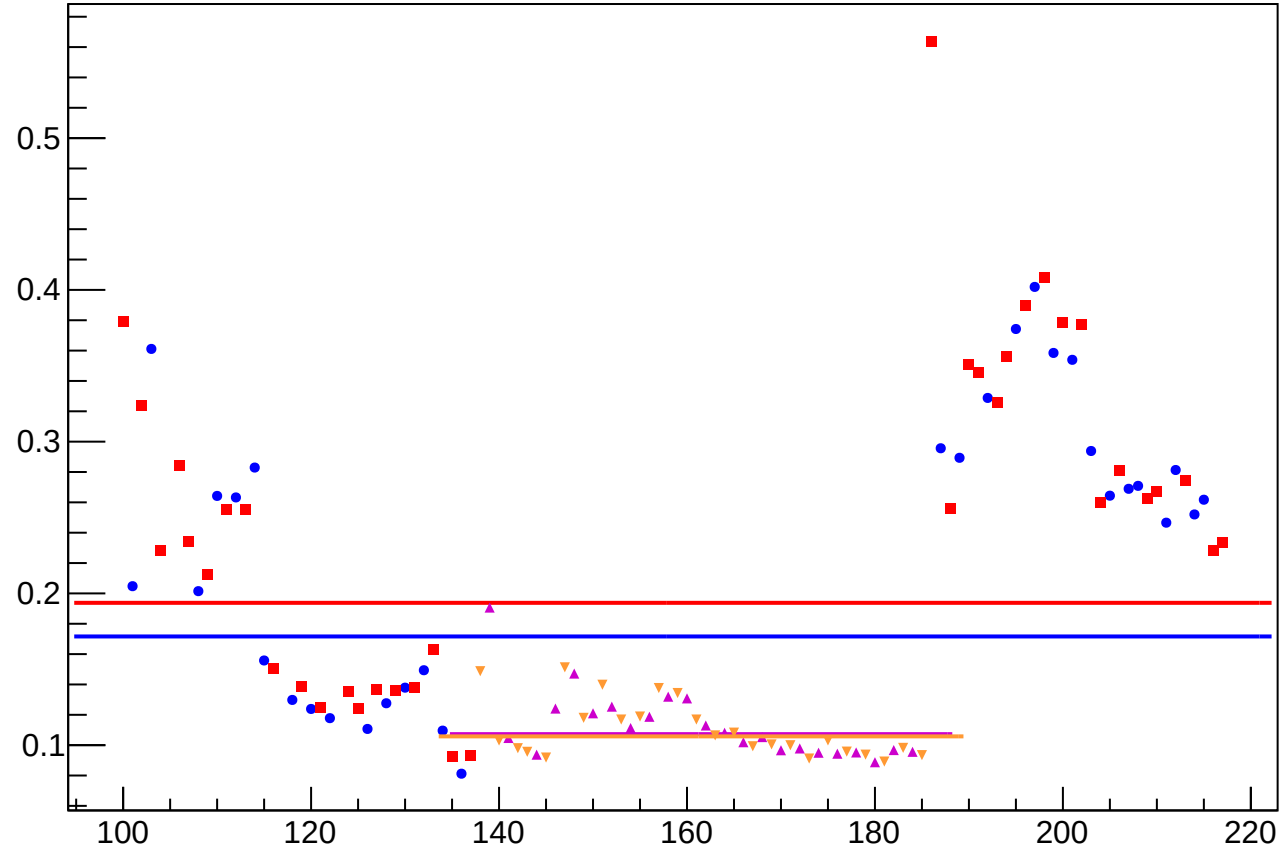
Right: 23.287+/-0.000 χ^2/NDF: 3564845431.8/66

In: 25.794+/-0.000 χ^2/NDF:8496597070.6/53

Out: 25.770+/-0.000 χ^2/NDF:9298460852.6/60

All: 25.782+/-0.000 χ^2/NDF: 17795579675.4

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: 0.194+/-0.000 χ^2/NDF: 6752061.9/35

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

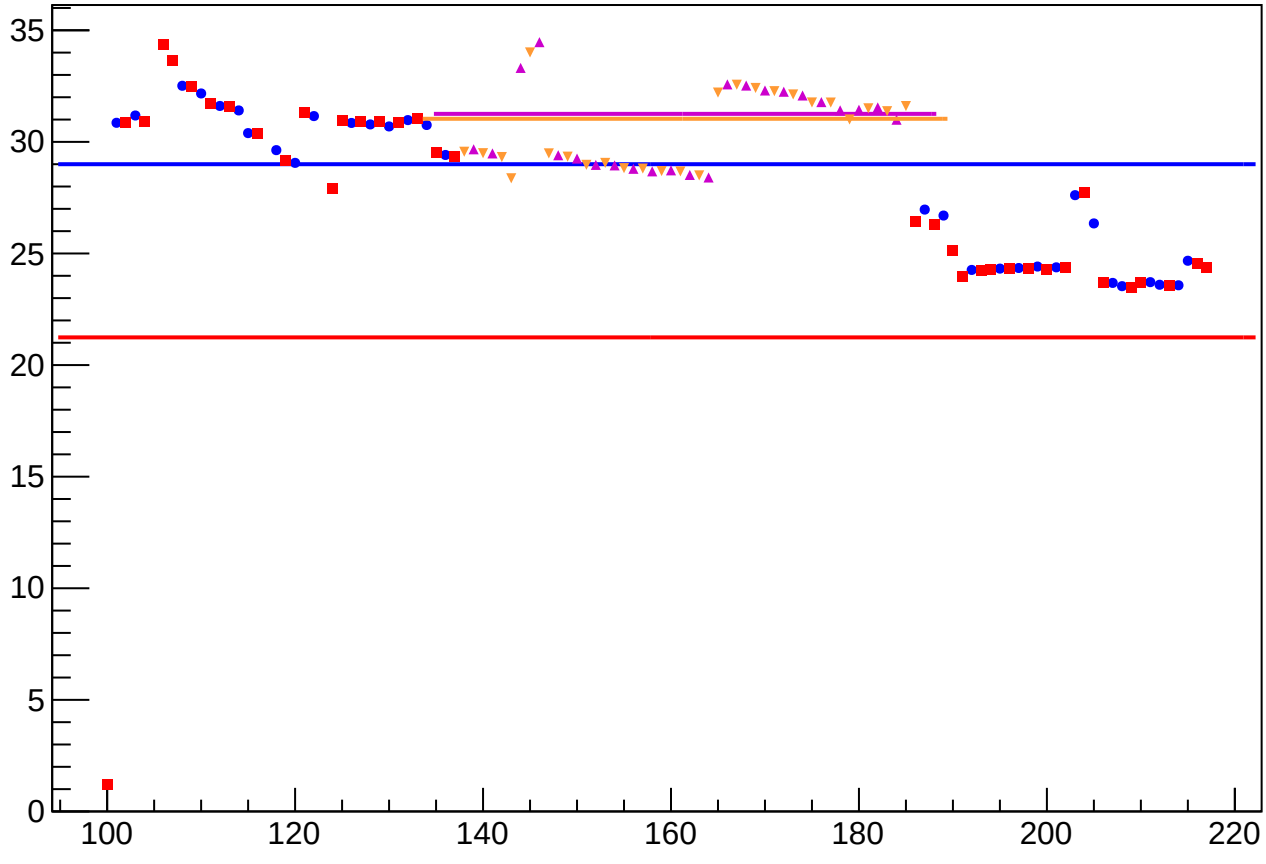
Right: 0.182+/-0.000 χ^2/NDF: 14555071.0/66

In: 0.124+/-0.000 χ^2/NDF:11377644.7/53

Out: 0.125+/-0.000 χ^2/NDF:12625188.5/60

All: 0.125+/-0.000 χ^2/NDF: 24006280.2/114

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: 21.240+/-0.000 χ^2/NDF: 226850244848.2/35

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

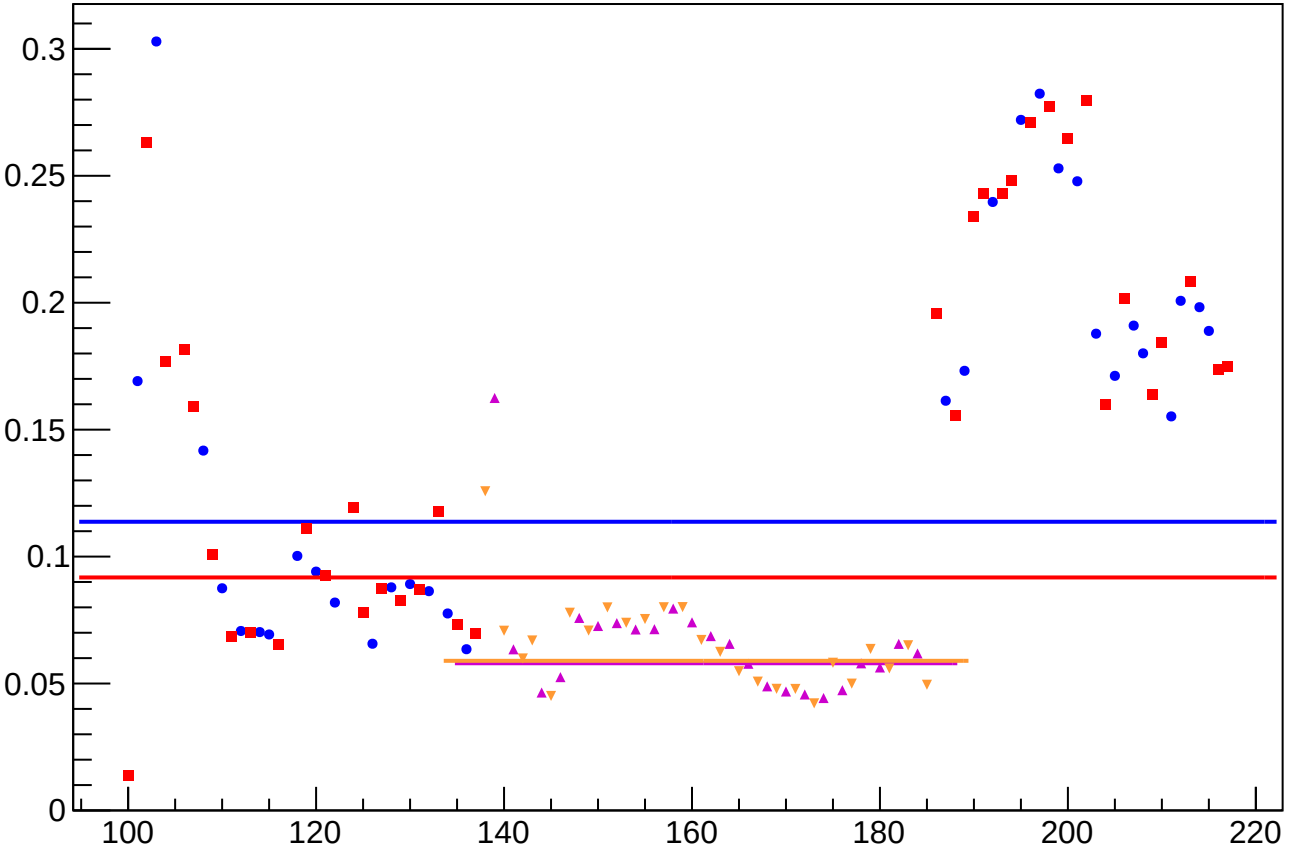
Right: 24.583+/-0.000 χ^2/NDF: 271556780689.9/66

In: 30.794+/-0.000 χ^2/NDF:25245942099.6/53

Out: 28.621+/-0.000 χ^2/NDF:340024865192.2/60

All: 29.658+/-0.000 χ^2/NDF: 378084804091.

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: 0.092+/-0.000 χ^2/NDF: 14125904.1/35

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

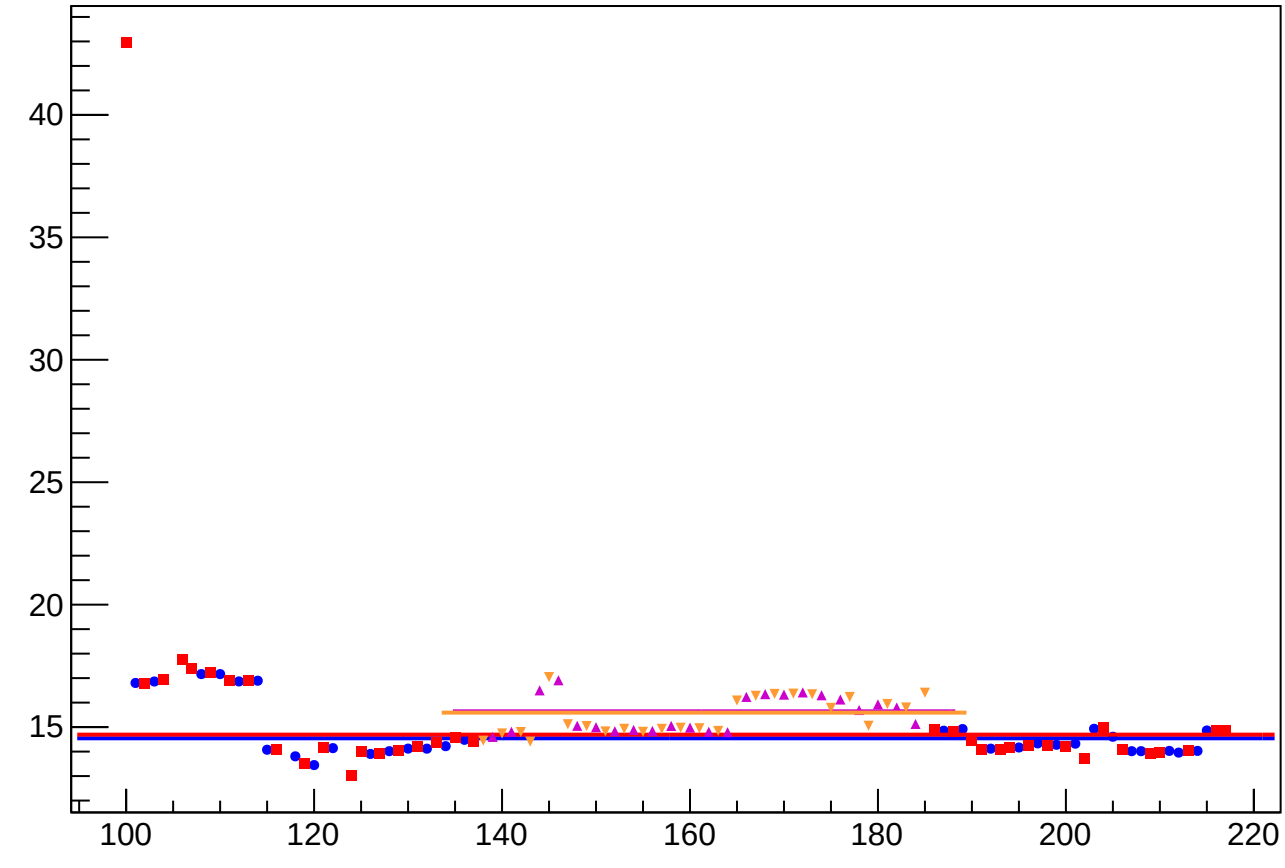
Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

Right: 0.101+/-0.000 χ^2/NDF: 22247769.9/66

In: 0.069+/-0.000 χ^2/NDF:14499024.2/53

Out: 0.067+/-0.000 χ^2/NDF:17939049.0/60

All: 0.068+/-0.000 χ^2/NDF: 32467870.8/114



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: 14.692+/-0.000 χ^2/NDF: 1875949018.1/35

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

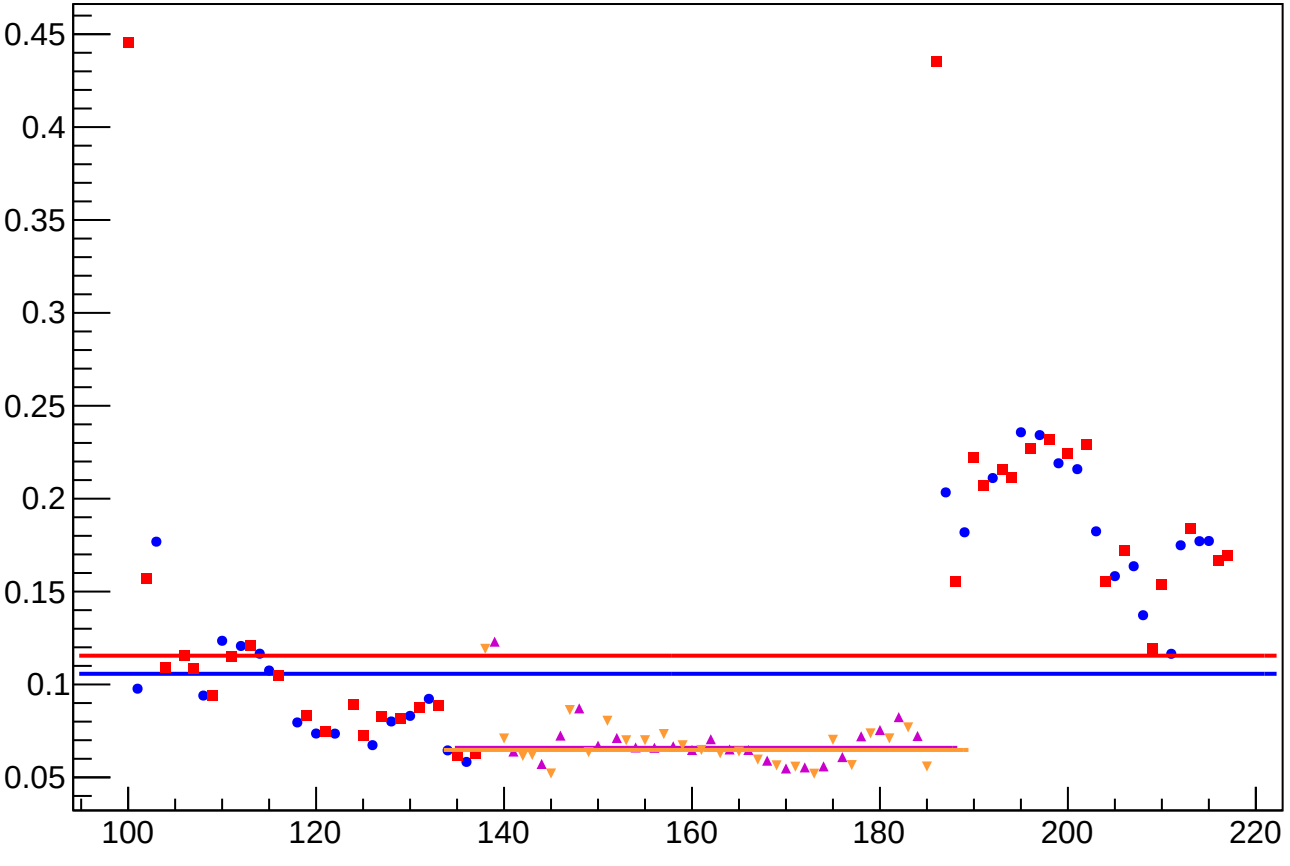
Right: 14.614+/-0.000 χ^2/NDF: 3163694240.4/66

In: 15.348+/-0.000 χ^2/NDF:4302181160.0/53

Out: 15.378+/-0.000 χ^2/NDF:4883039832.5/60

All: 15.363+/-0.000 χ^2/NDF: 9187432948.7/1

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: 0.115+/-0.000 χ^2/NDF: 6271835.0/35

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

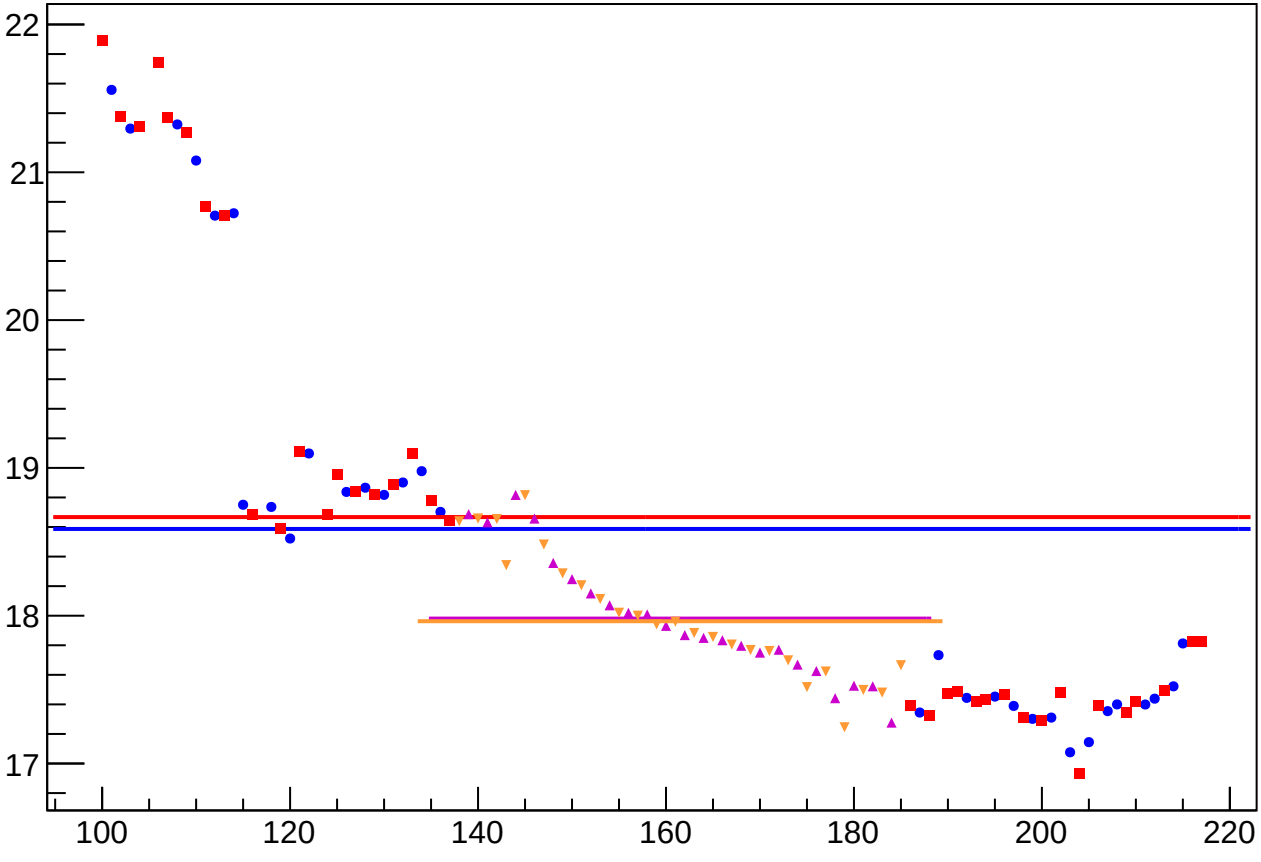
Right: 0.110+/-0.000 χ^2/NDF: 12873286.2/66

In: 0.077+/-0.000 χ^2/NDF:10328065.0/53

Out: 0.077+/-0.000 χ^2/NDF:11901529.7/60

All: 0.077+/-0.000 χ^2/NDF: 22229749.7/114

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: 18.667+/-0.000 χ^2/NDF: 37998391084.6/35

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

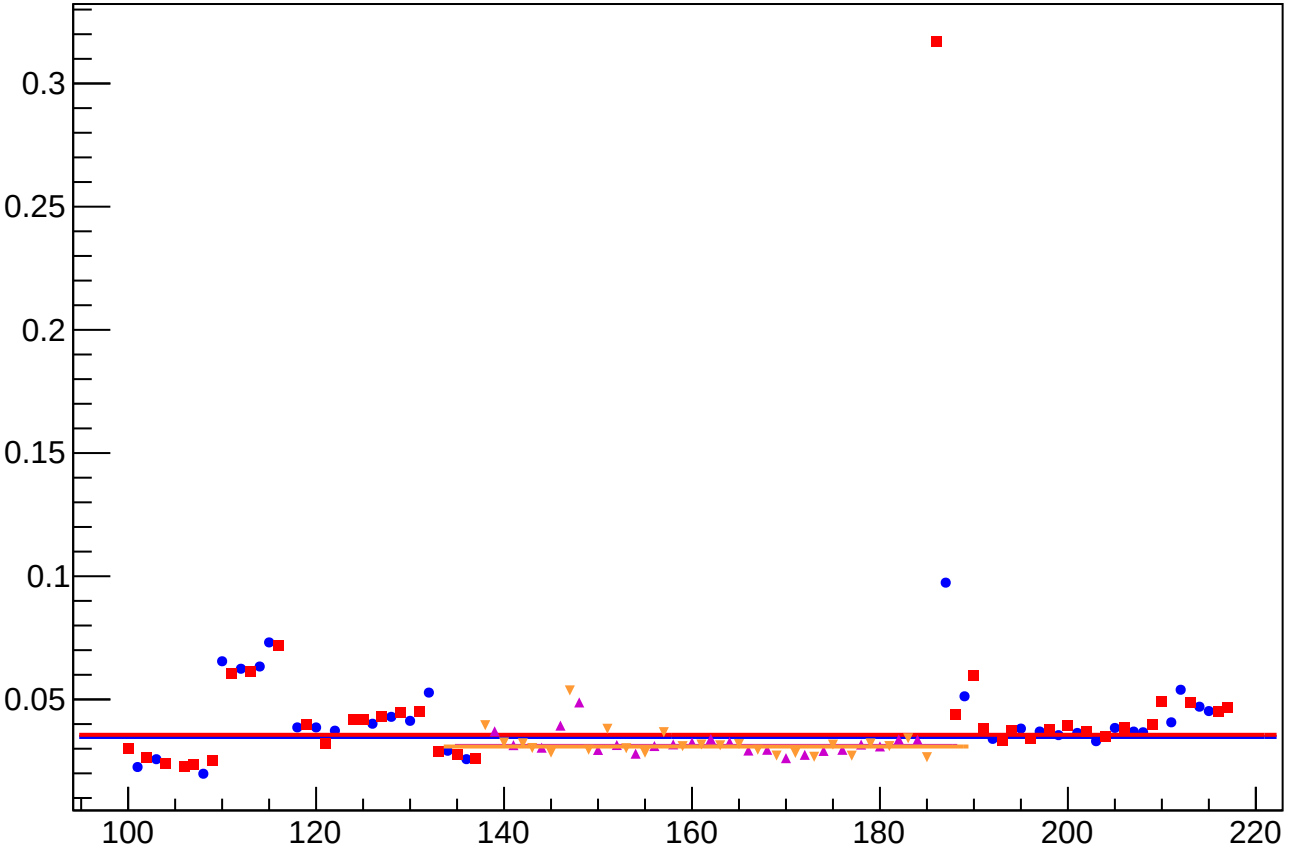
Right: 18.627+/-0.000 χ^2/NDF: 73261881790.4/66

In: 18.248+/-0.000 χ^2/NDF:40836018788.3/53

Out: 18.263+/-0.000 χ^2/NDF:45102298529.9/60

All: 18.256+/-0.000 χ^2/NDF: 85942216555.2

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: 0.036+/-0.000 χ^2/NDF: 2745350.1/35

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

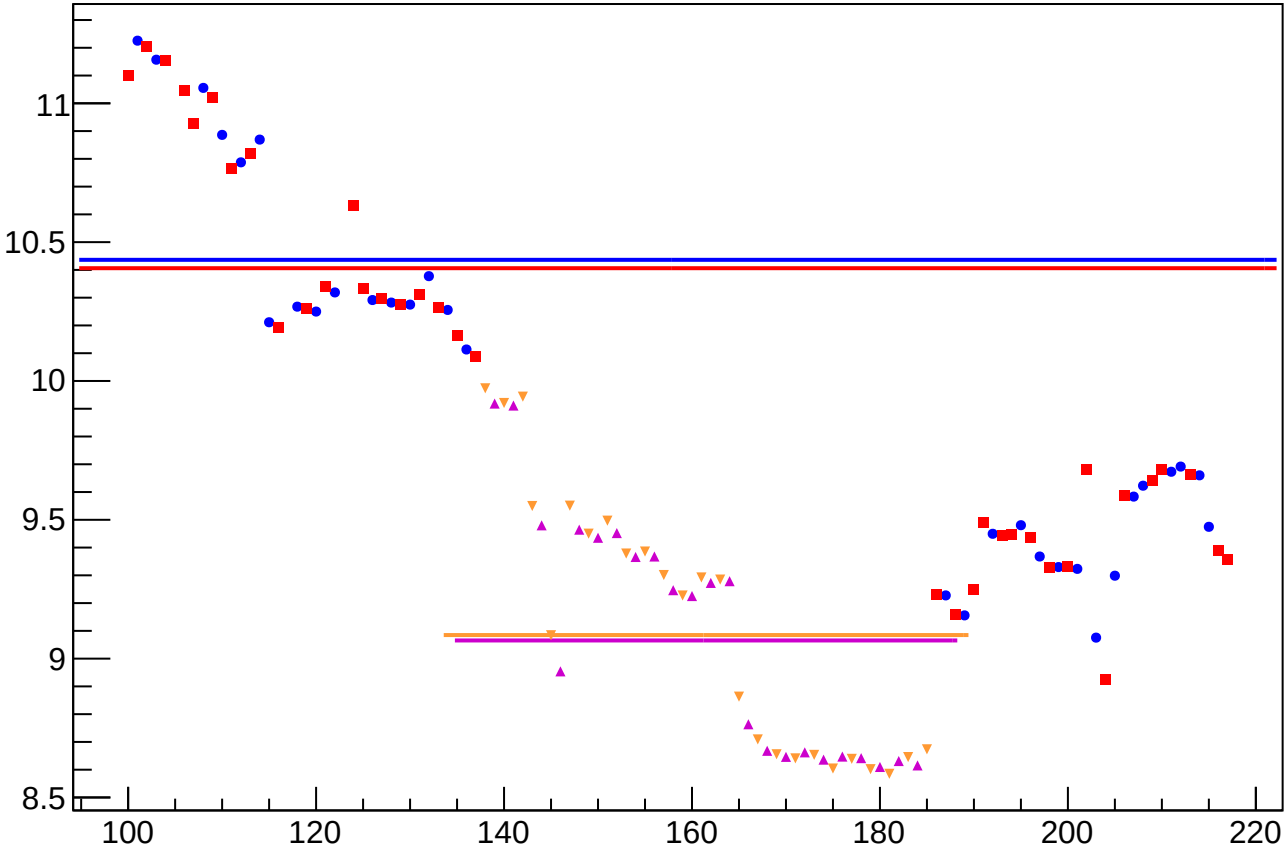
Right: 0.035+/-0.000 χ^2/NDF: 5216235.6/66

In: 0.033+/-0.000 χ^2/NDF:3150275.4/53

Out: 0.033+/-0.000 χ^2/NDF:3749846.7/60

All: 0.033+/-0.000 χ^2/NDF: 6901227.9/114

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: 10.406+/-0.000 χ^2/NDF: 16329737412.3/35

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

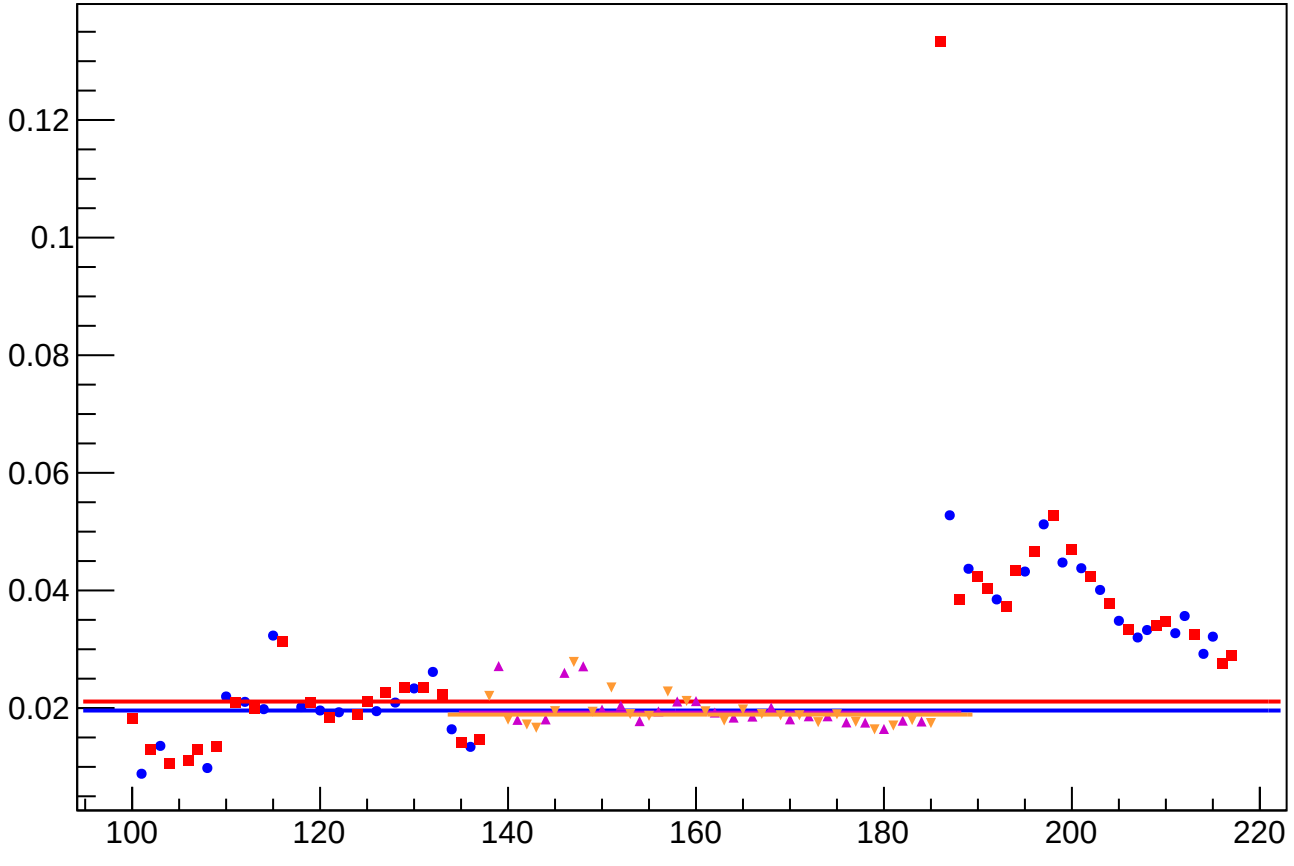
Right: 10.422+/-0.000 χ^2/NDF: 32822545709.2/66

In: 9.679+/-0.000 χ^2/NDF:62182308302.6/53

Out: 9.631+/-0.000 χ^2/NDF:62064133466.9/60

All: 9.654+/-0.000 χ^2/NDF: 124341180605.6

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: 8142852.6/35

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

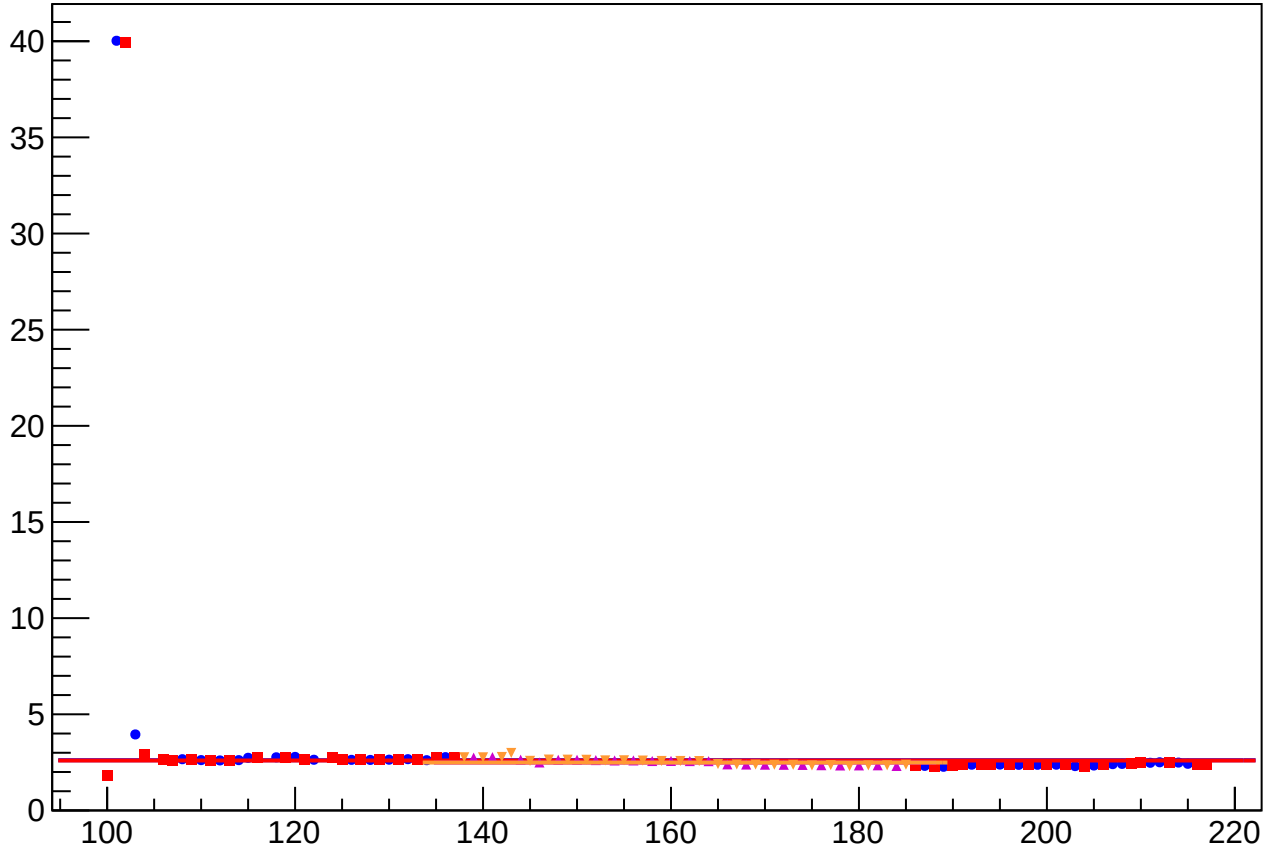
Right: 0.020+/-0.000 χ^2/NDF: 16643215.7/66

In: 0.019+/-0.000 χ^2/NDF:8963503.6/53

Out: 0.020+/-0.000 χ^2/NDF:8784125.2/60

All: 0.020+/-0.000 χ^2/NDF: 17762249.7/114

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: 2.598+/-0.000 χ^2/NDF: 88461042067.8/35

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

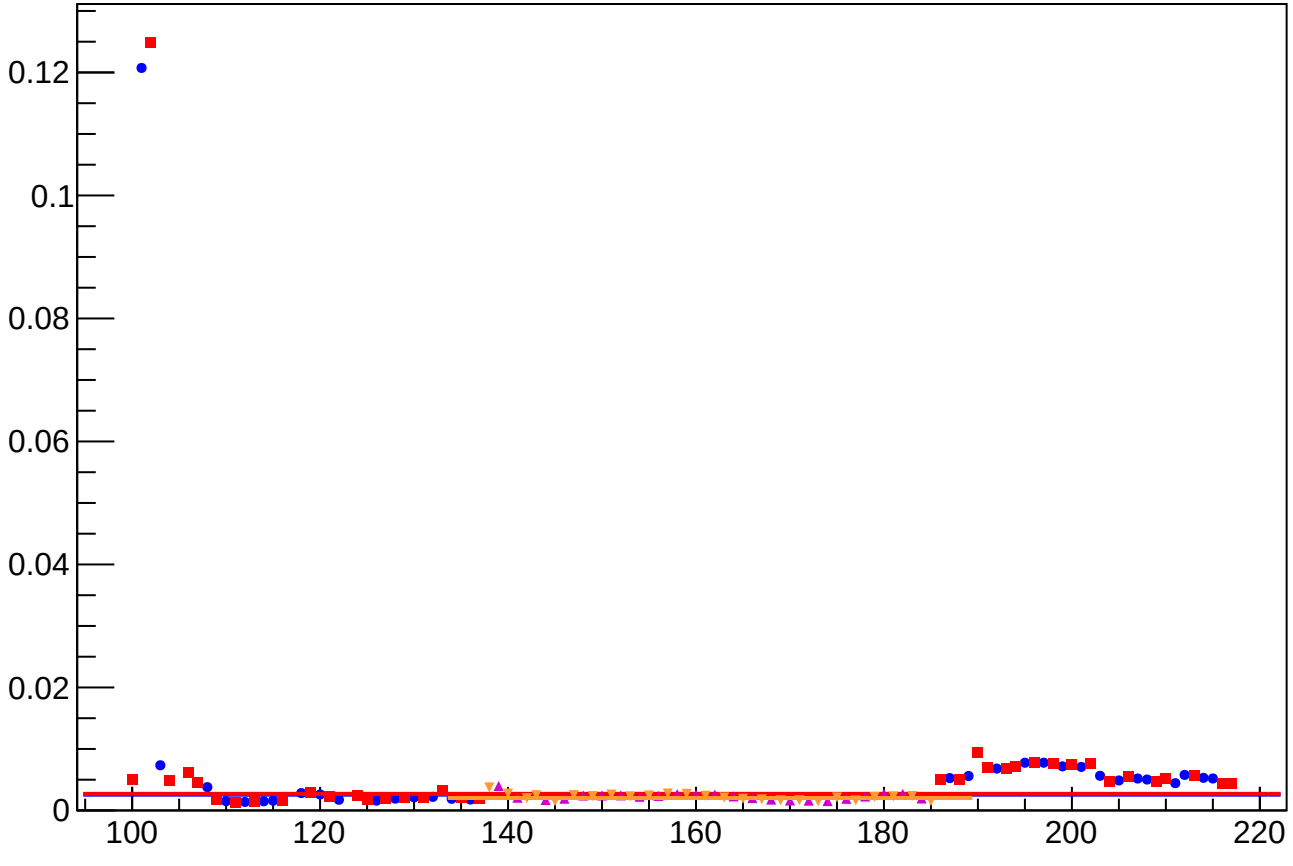
Right: 2.605+/-0.000 χ^2/NDF: 177295953909.7/66

In: 2.531+/-0.000 χ^2/NDF:167953213776.0/53

Out: 2.526+/-0.000 χ^2/NDF:194619428555.5/60

All: 2.528+/-0.000 χ^2/NDF: 362651974461.7

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: 11862276.5/35

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

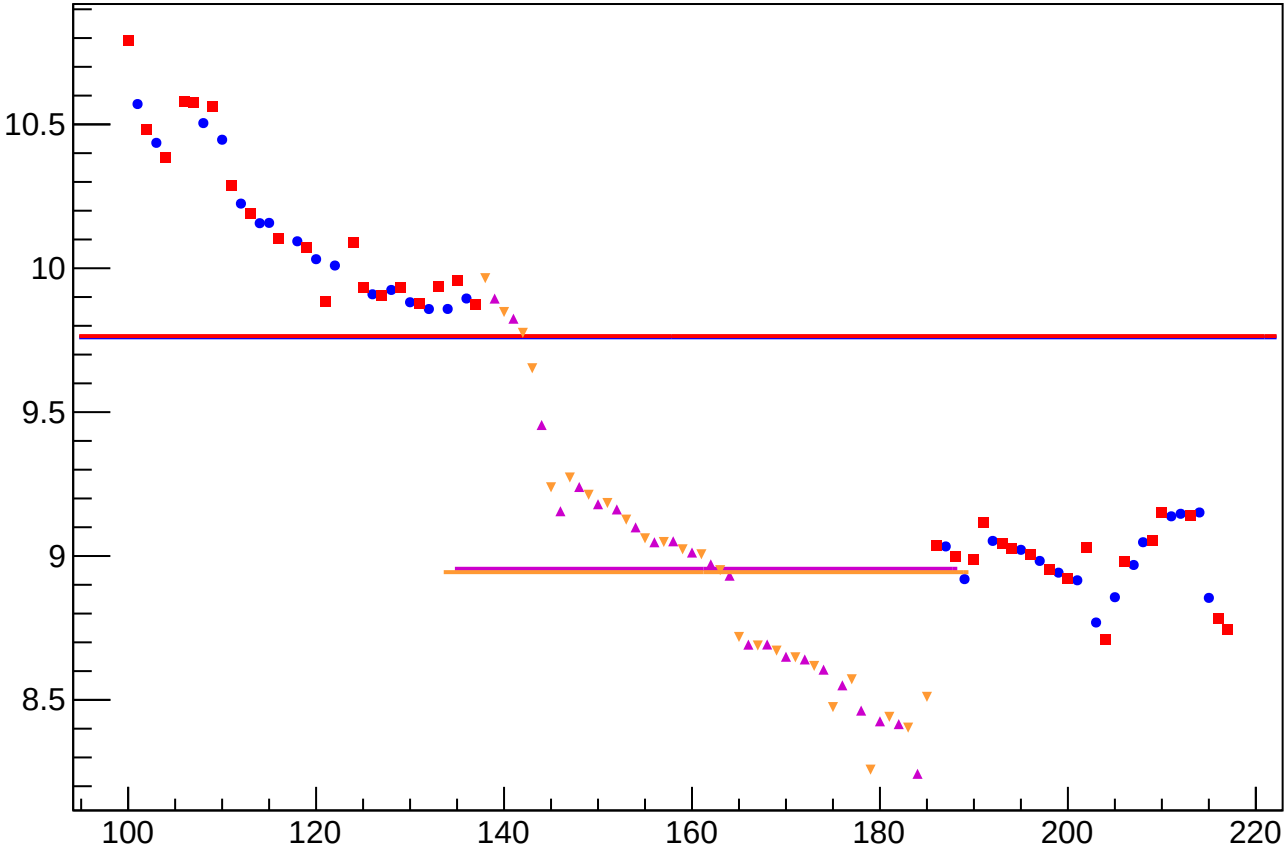
Right: 0.003+/-0.000 χ^2/NDF: 22697771.8/66

In: 0.002+/-0.000 χ^2/NDF:12800694.5/53

Out: 0.002+/-0.000 χ^2/NDF:14537999.4/60

All: 0.002+/-0.000 χ^2/NDF: 27338801.6/114

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.760+/-0.000 χ^2/NDF: 84118036077.8/30

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.764+/-0.000 χ^2/NDF: 109313727088.5/35

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

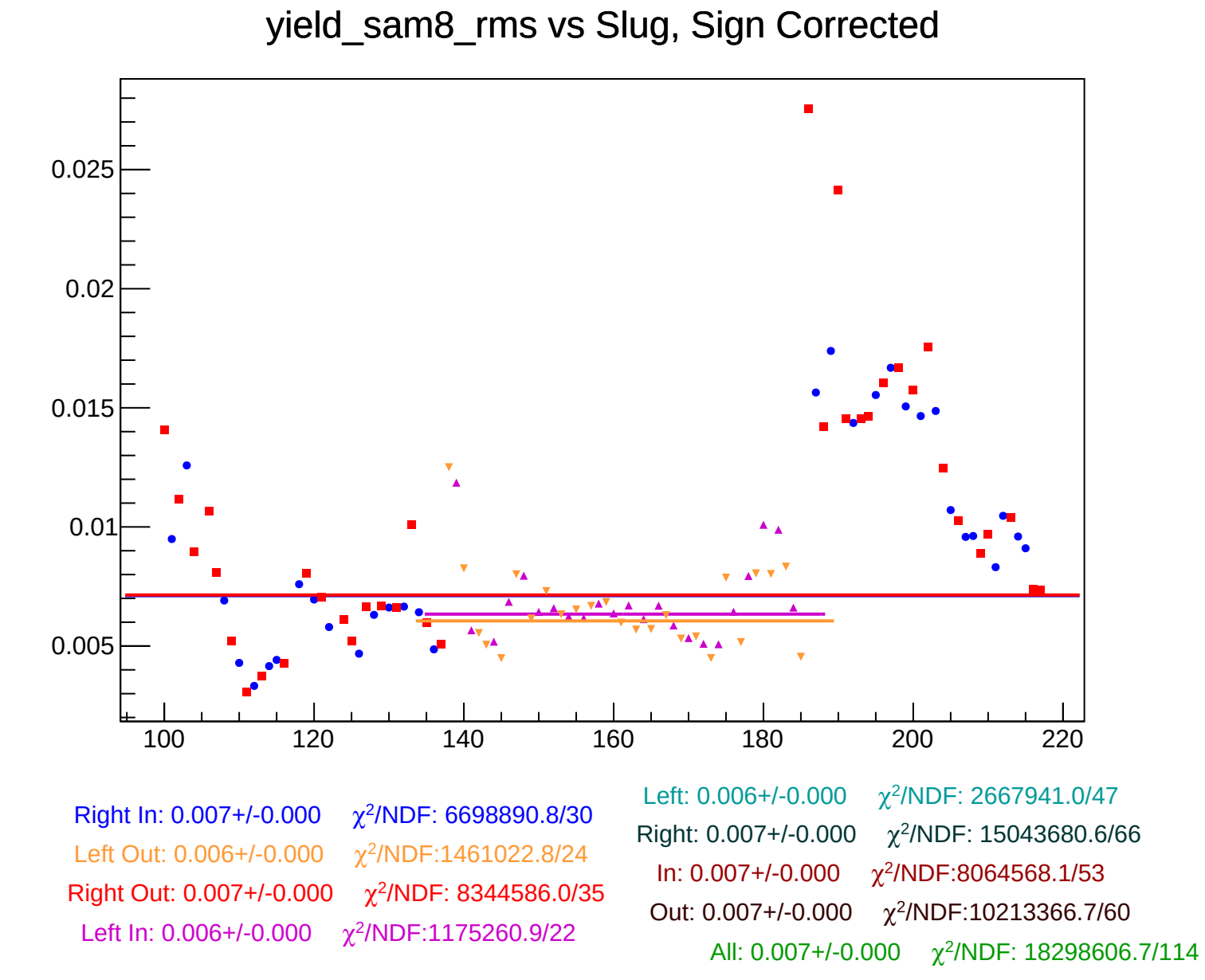
Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

Right: 9.762+/-0.000 χ^2/NDF: 193434322333.1/66

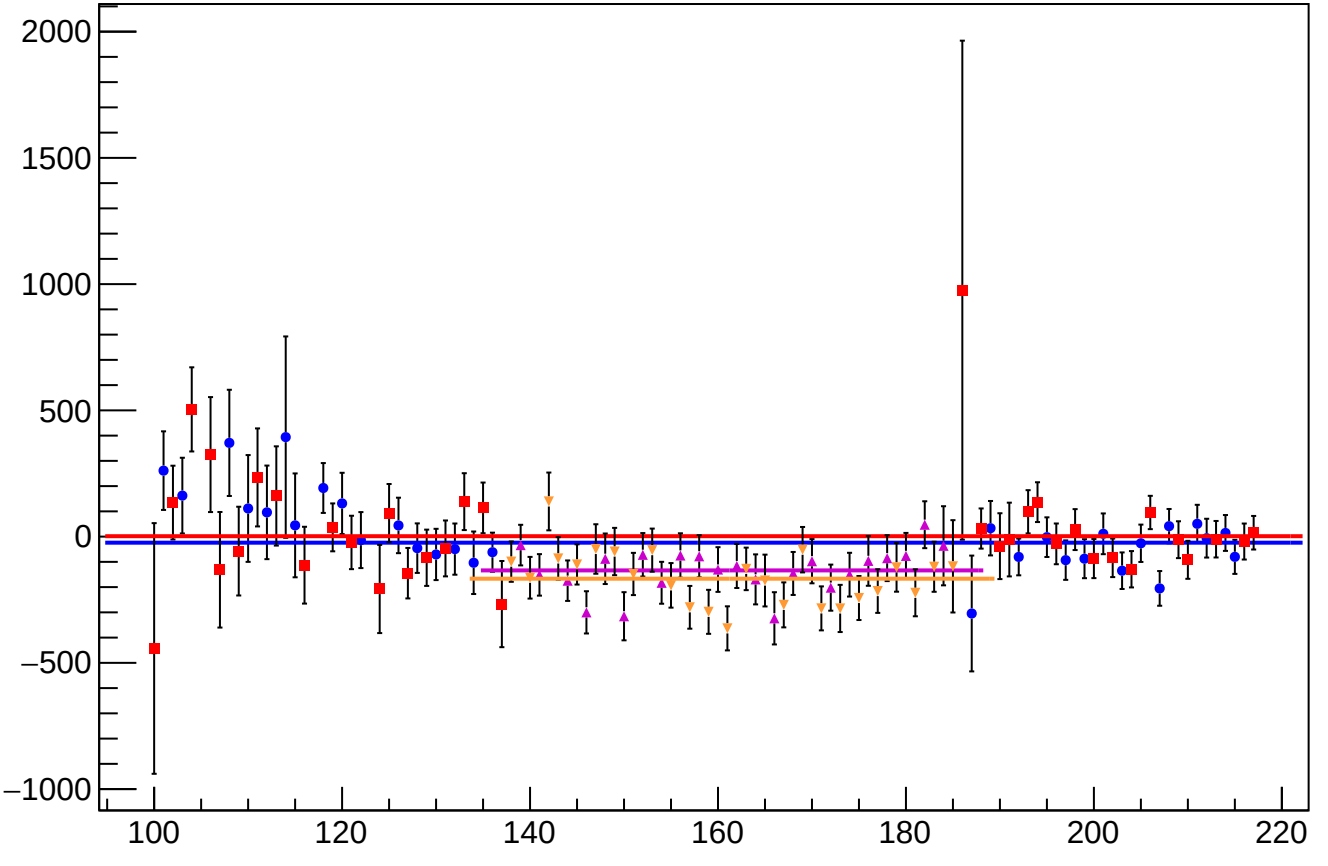
In: 9.308+/-0.000 χ^2/NDF:238238865431.6/53

Out: 9.283+/-0.000 χ^2/NDF:291190021581.7/60

All: 9.295+/-0.000 χ^2/NDF: 529626267137.2


yield_sam8_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.007+/-0.000 χ²/NDF: 6698890.8/30
Left Out: 0.006+/-0.000 χ²/NDF:1461022.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 8344586.0/35
Left In: 0.006+/-0.000 χ²/NDF:1175260.9/22
Left: 0.006+/-0.000 χ²/NDF: 2667941.0/47
Right: 0.007+/-0.000 χ²/NDF: 15043680.6/66
In: 0.007+/-0.000 χ²/NDF:8064568.1/53
Out: 0.007+/-0.000 χ²/NDF:10213366.7/60
All: 0.007+/-0.000 χ²/NDF: 18298606.7/114

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -24.033+/-16.757 χ^2/NDF: 34.7/30

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.642+/-16.565 χ^2/NDF: 41.5/35

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

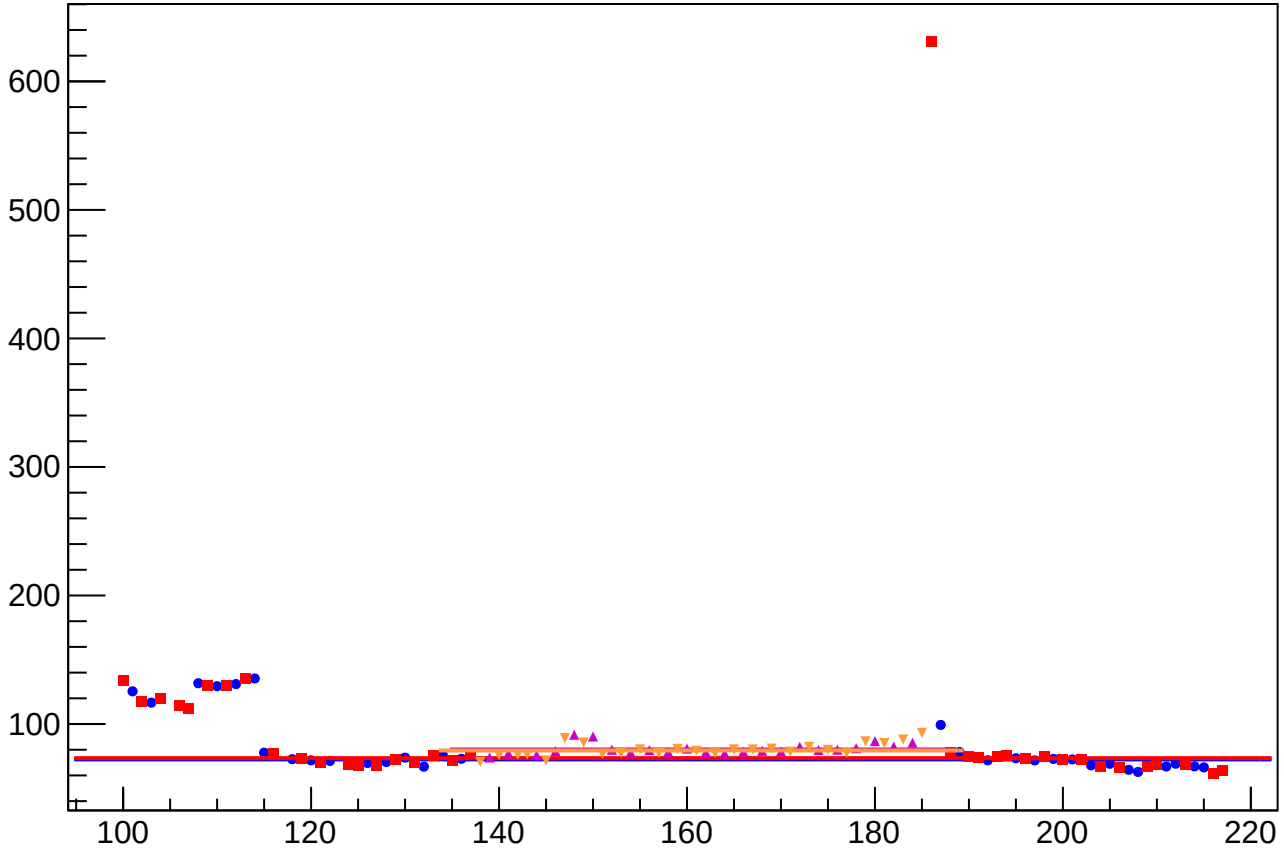
Right: -11.047+/-11.781 χ^2/NDF: 77.4/66

In: -72.779+/-12.496 χ^2/NDF:74.5/53

Out: -75.176+/-12.213 χ^2/NDF:120.3/60

All: -74.005+/-8.735 χ^2/NDF: 194.8/114

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: 73.458+/-0.012 χ^2/NDF: 1905266.7/35

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

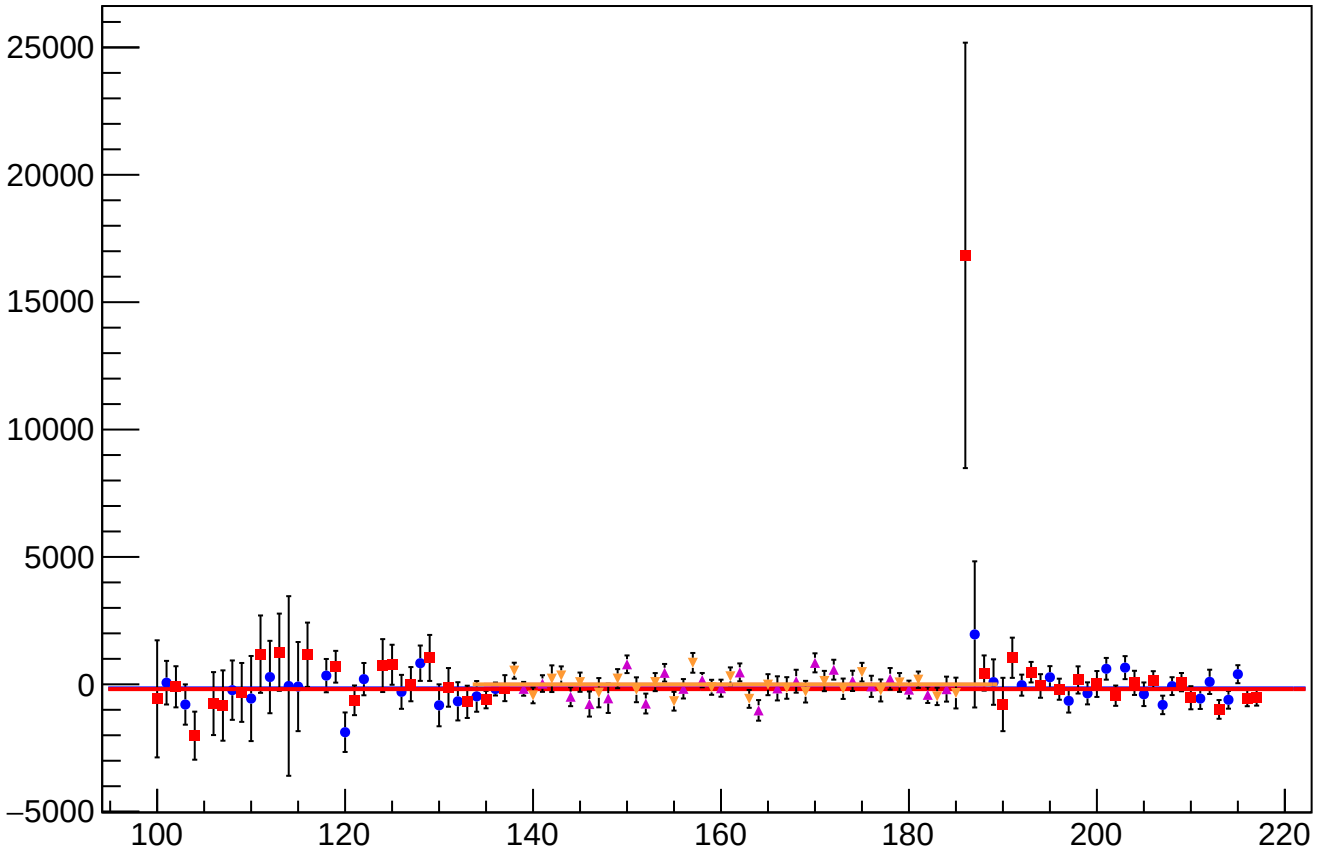
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 72.965+/-0.008 χ^2/NDF: 3038161.5/66

In: 75.878+/-0.009 χ^2/NDF:1408232.3/53

Out: 76.175+/-0.009 χ^2/NDF:2157918.3/60

All: 76.030+/-0.006 χ^2/NDF: 3566726.2/114



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: -188.556+/-90.857 χ^2/NDF: 36.8/35

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

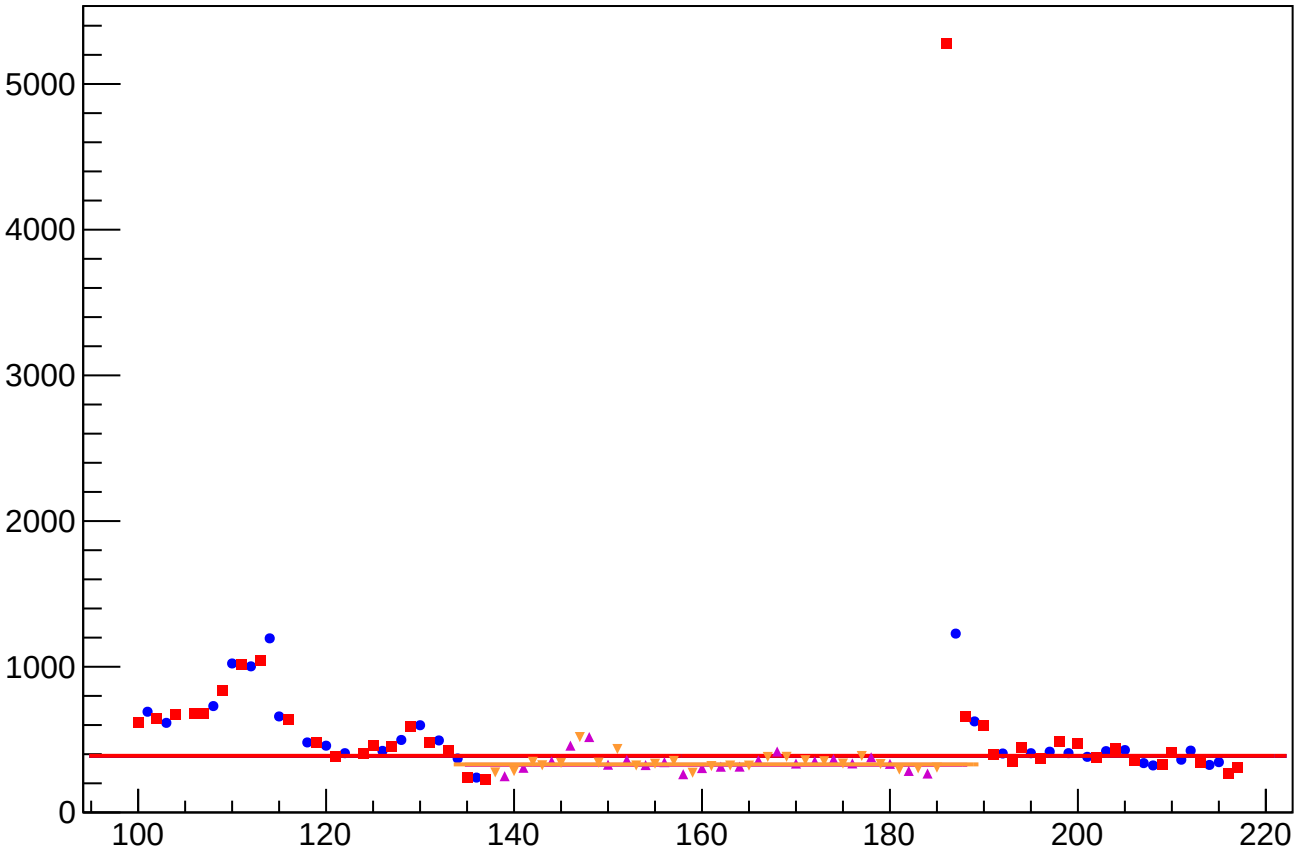
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -174.793+/-64.766 χ^2/NDF: 65.5/66

In: -77.716+/-59.383 χ^2/NDF:65.0/53

Out: -79.503+/-58.232 χ^2/NDF:63.3/60

All: -78.627+/-41.577 χ^2/NDF: 128.3/114



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: 388.589+/-0.064 χ^2/NDF: 4253637.3/35

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

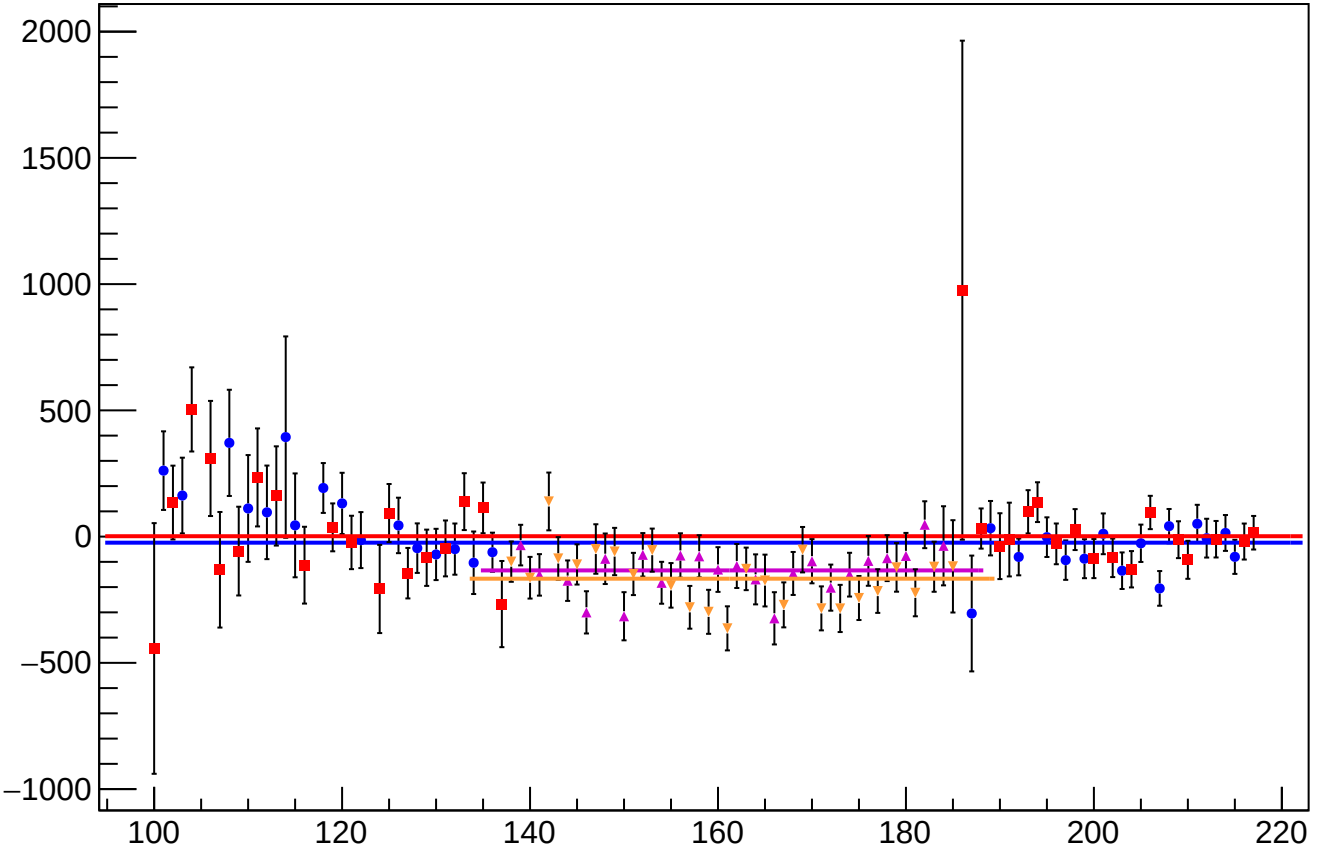
Right: 388.056+/-0.046 χ^2/NDF: 7205341.1/66

In: 351.997+/-0.042 χ^2/NDF:4355042.2/53

Out: 354.049+/-0.041 χ^2/NDF:5403444.4/60

All: 353.043+/-0.029 χ^2/NDF: 9759703.0/114

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -24.034+/-16.757 χ^2/NDF: 34.7/30

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.555+/-16.565 χ^2/NDF: 41.3/35

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

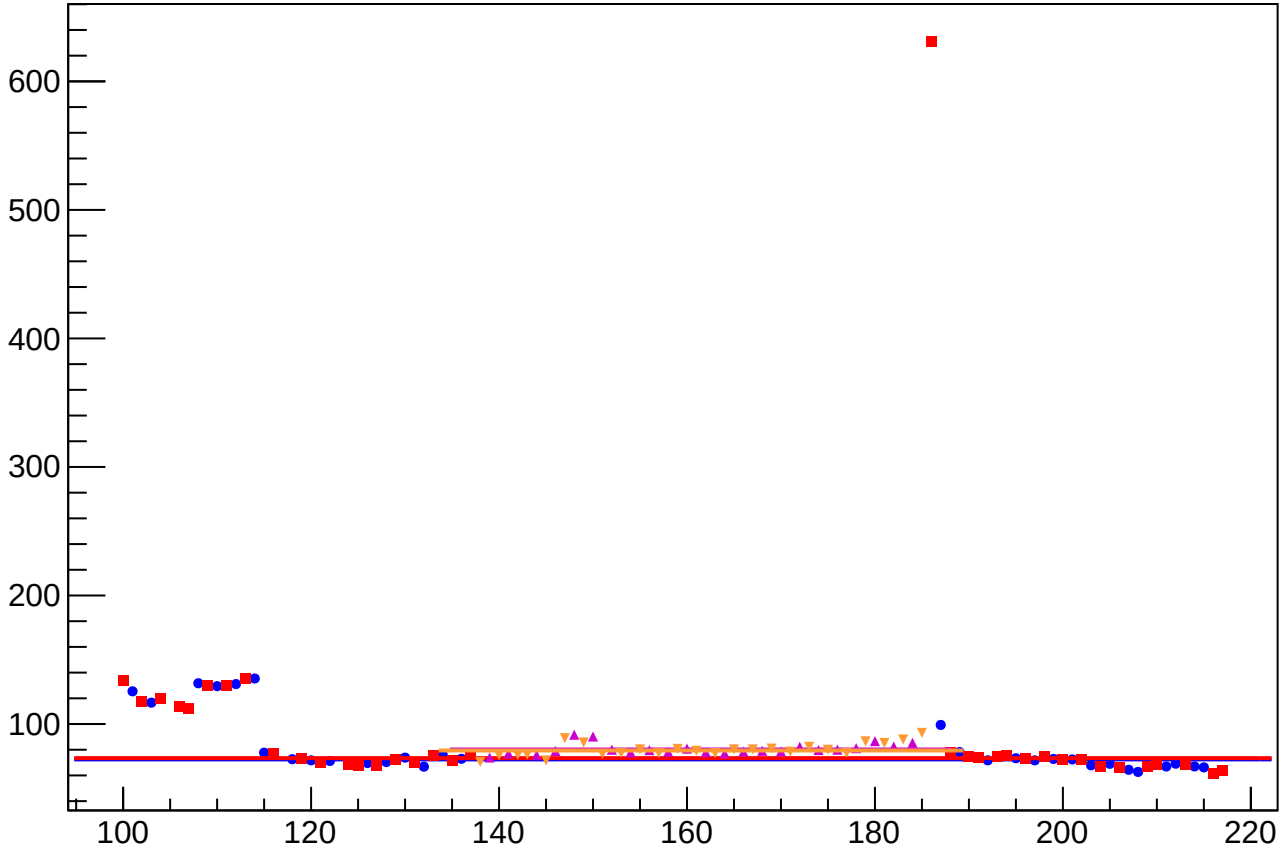
Right: -11.092+/-11.781 χ^2/NDF: 77.2/66

In: -72.782+/-12.496 χ^2/NDF:74.5/53

Out: -75.224+/-12.214 χ^2/NDF:120.1/60

All: -74.031+/-8.735 χ^2/NDF: 194.5/114

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: 73.454+/-0.012 χ^2/NDF: 1902854.8/35

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

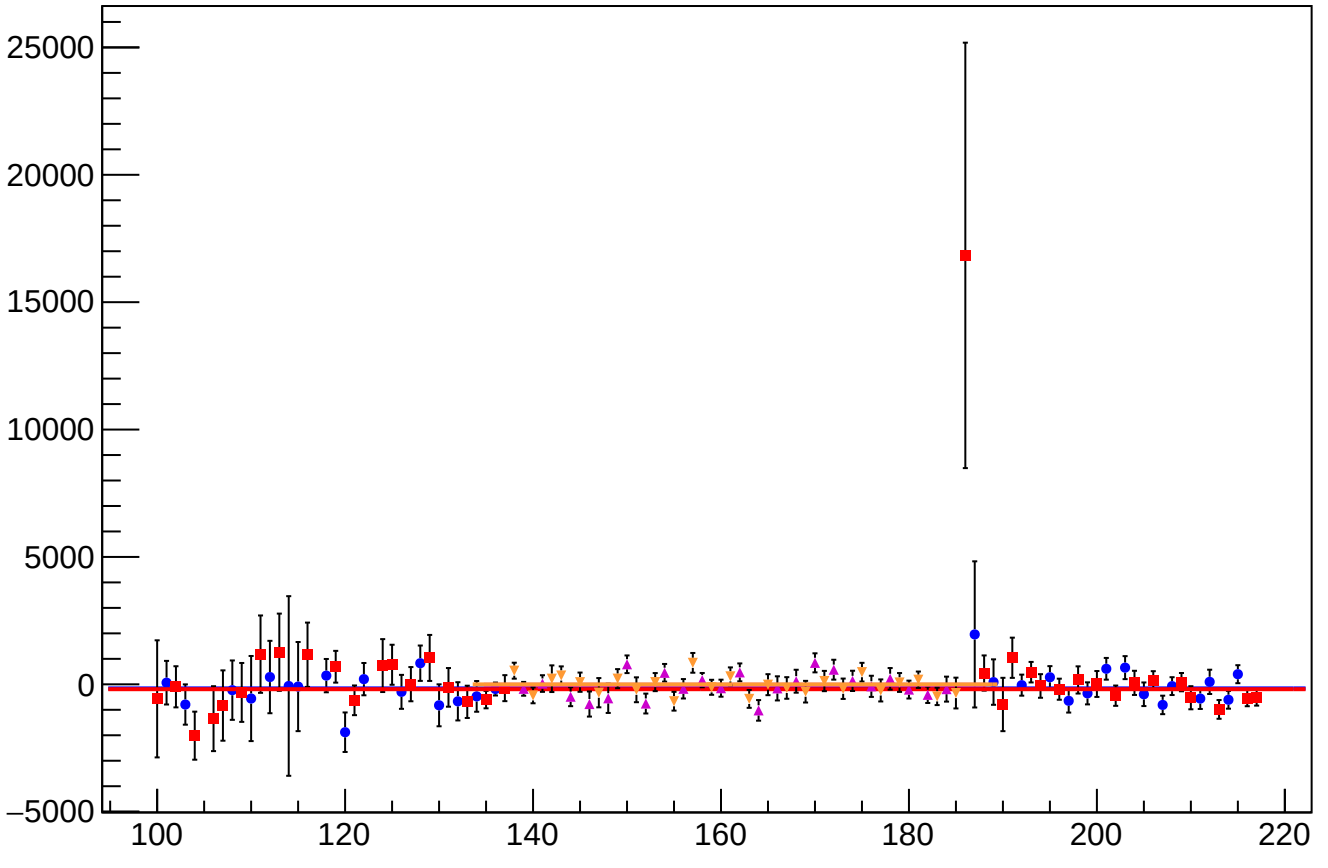
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.963+/-0.008 χ^2/NDF: 3035718.2/66

In: 75.878+/-0.009 χ^2/NDF:1408232.5/53

Out: 76.172+/-0.009 χ^2/NDF:2155680.6/60

All: 76.029+/-0.006 χ^2/NDF: 3564479.6/114



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: -191.385+/-90.871 χ^2/NDF: 37.4/35

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

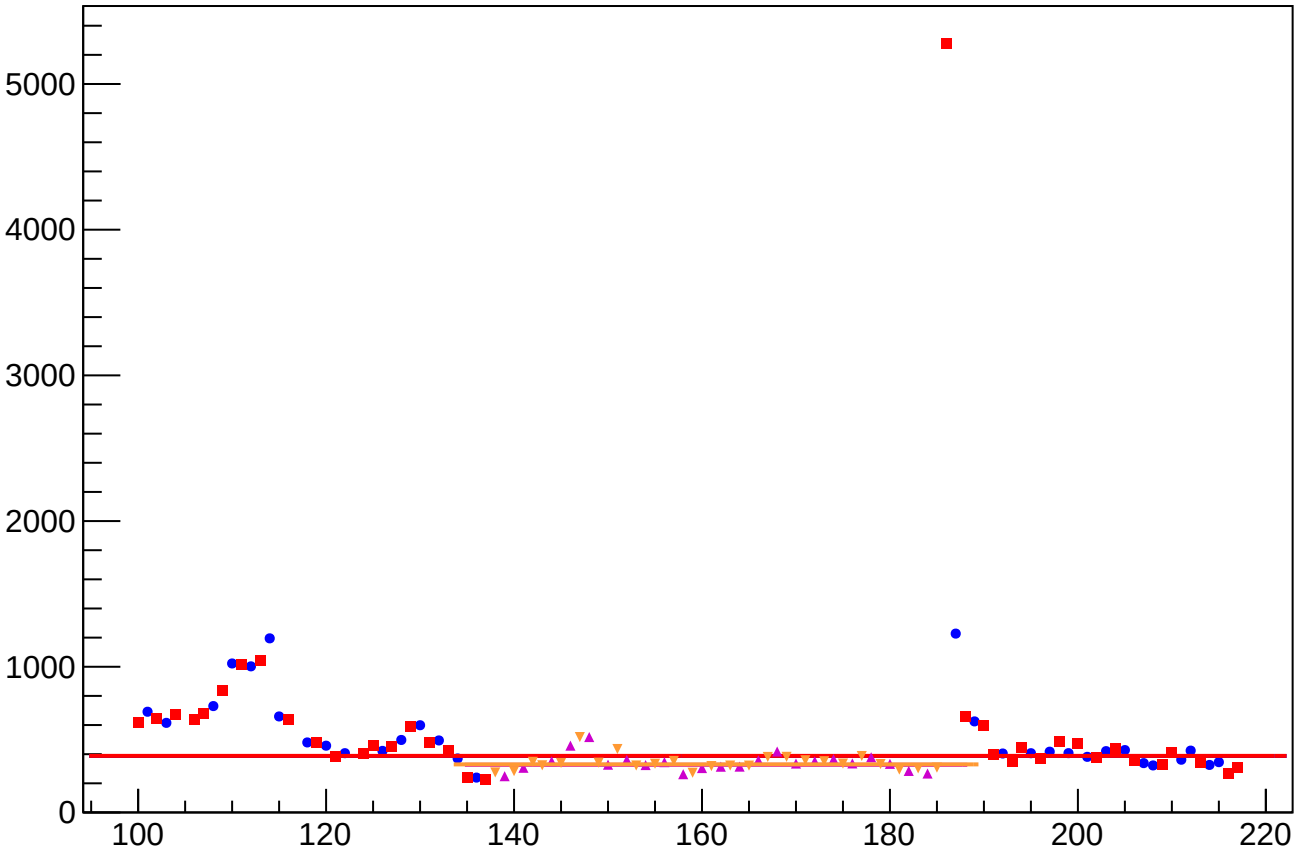
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -176.230+/-64.771 χ^2/NDF: 66.1/66

In: -77.722+/-59.383 χ^2/NDF:65.0/53

Out: -80.650+/-58.236 χ^2/NDF:64.0/60

All: -79.215+/-41.579 χ^2/NDF: 129.0/114



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: 388.295+/-0.064 χ^2/NDF: 4220702.7/35

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

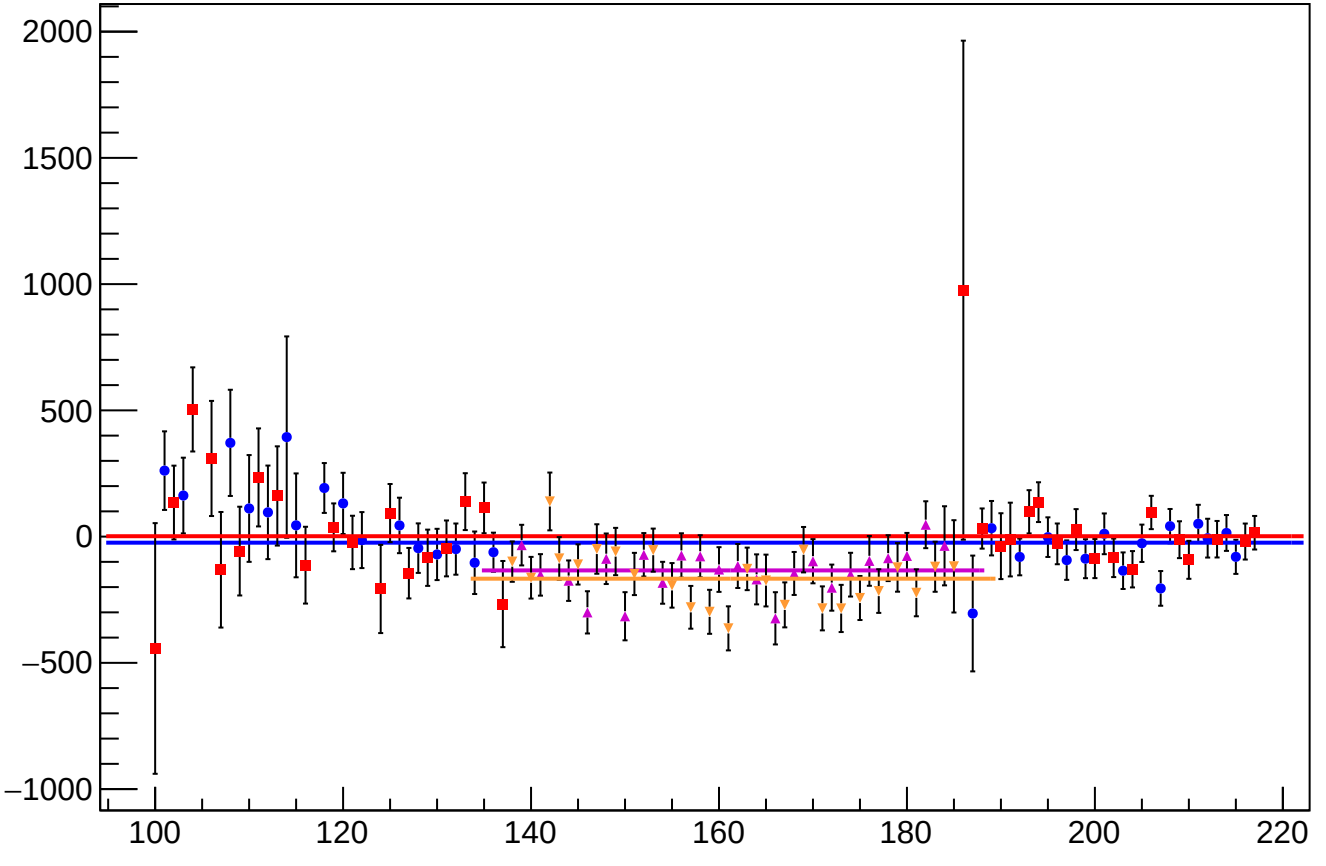
Right: 387.906+/-0.046 χ^2/NDF: 7172337.5/66

In: 351.997+/-0.042 χ^2/NDF:4355043.1/53

Out: 353.923+/-0.041 χ^2/NDF:5365517.8/60

All: 352.979+/-0.029 χ^2/NDF: 9721632.9/114

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -24.034+/-16.757 χ^2/NDF: 34.7/30

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.555+/-16.565 χ^2/NDF: 41.3/35

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

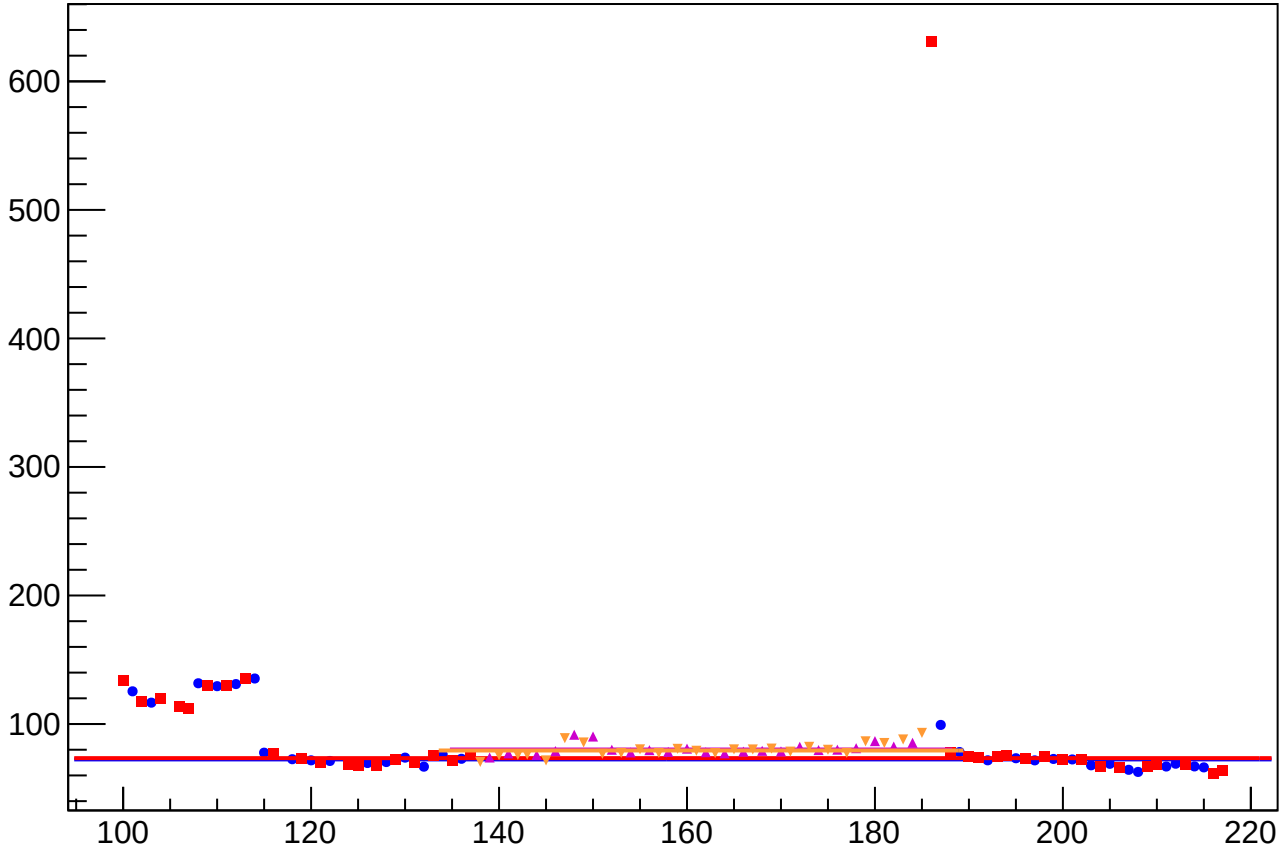
Right: -11.092+/-11.781 χ^2/NDF: 77.2/66

In: -72.782+/-12.496 χ^2/NDF:74.5/53

Out: -75.224+/-12.214 χ^2/NDF:120.1/60

All: -74.031+/-8.735 χ^2/NDF: 194.5/114

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: 73.454+/-0.012 χ^2/NDF: 1902854.8/35

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

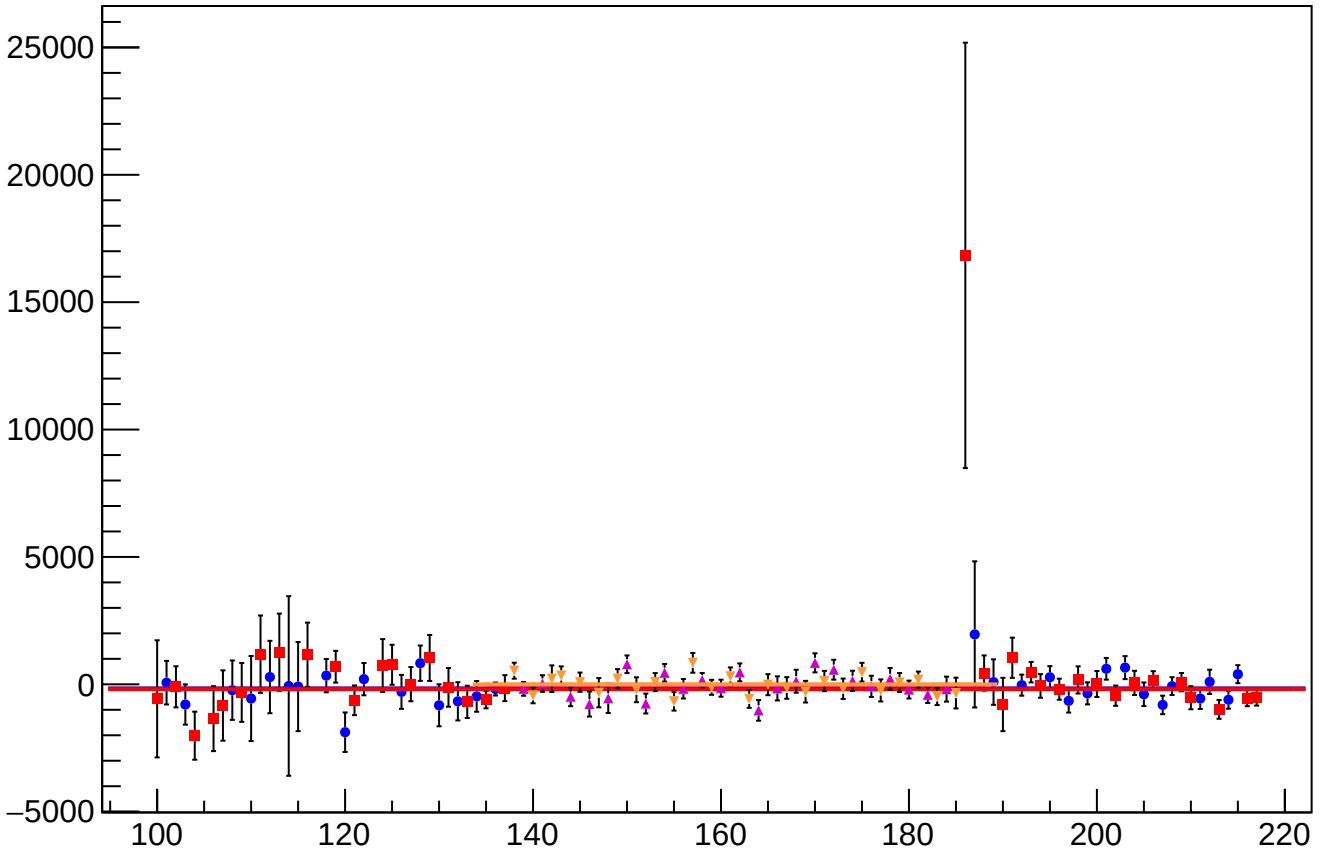
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.963+/-0.008 χ^2/NDF: 3035718.2/66

In: 75.878+/-0.009 χ^2/NDF:1408232.5/53

Out: 76.172+/-0.009 χ^2/NDF:2155680.6/60

All: 76.029+/-0.006 χ^2/NDF: 3564479.6/114



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: -191.385+/-90.871 χ^2/NDF: 37.4/35

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

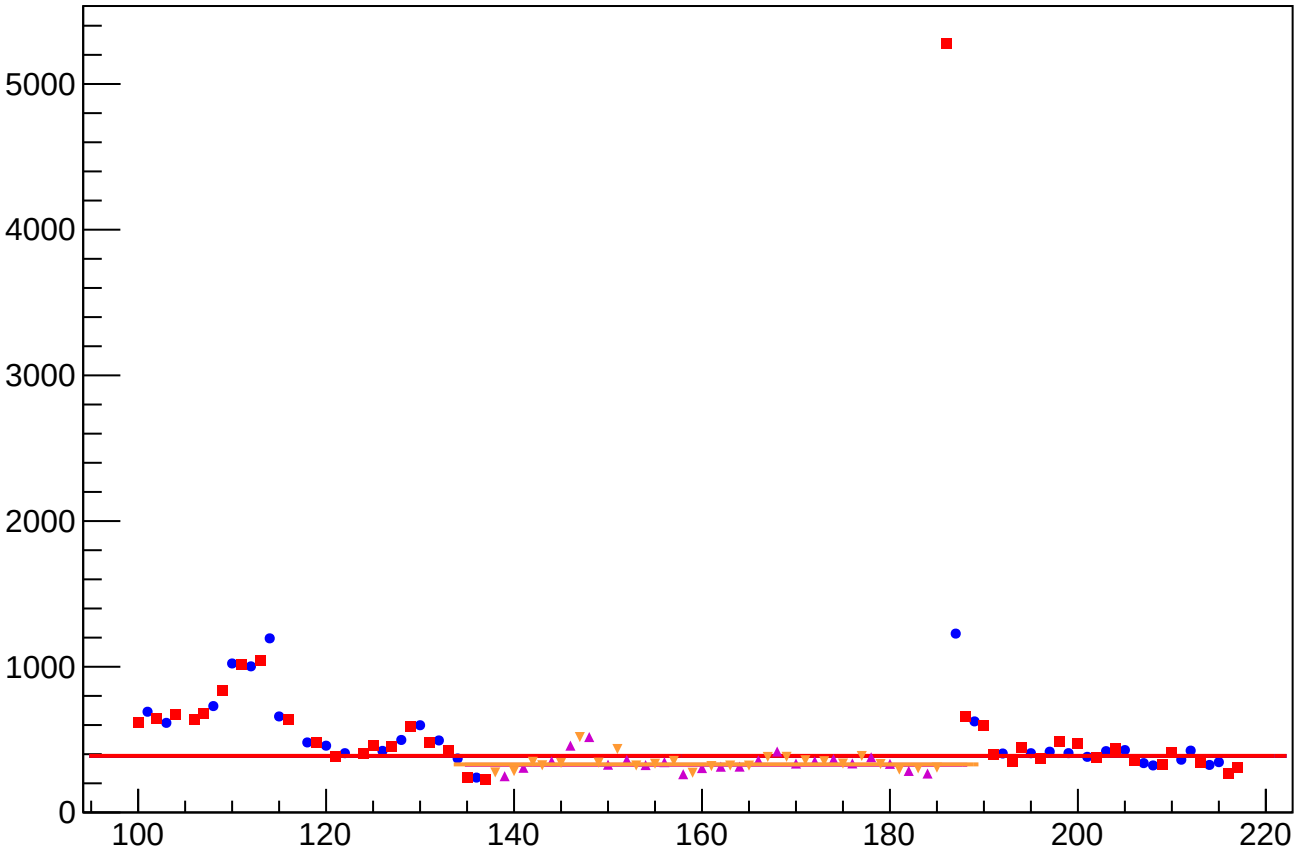
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -176.230+/-64.771 χ^2/NDF: 66.1/66

In: -77.722+/-59.383 χ^2/NDF:65.0/53

Out: -80.650+/-58.236 χ^2/NDF:64.0/60

All: -79.215+/-41.579 χ^2/NDF: 129.0/114



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: 388.295+/-0.064 χ^2/NDF: 4220702.7/35

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

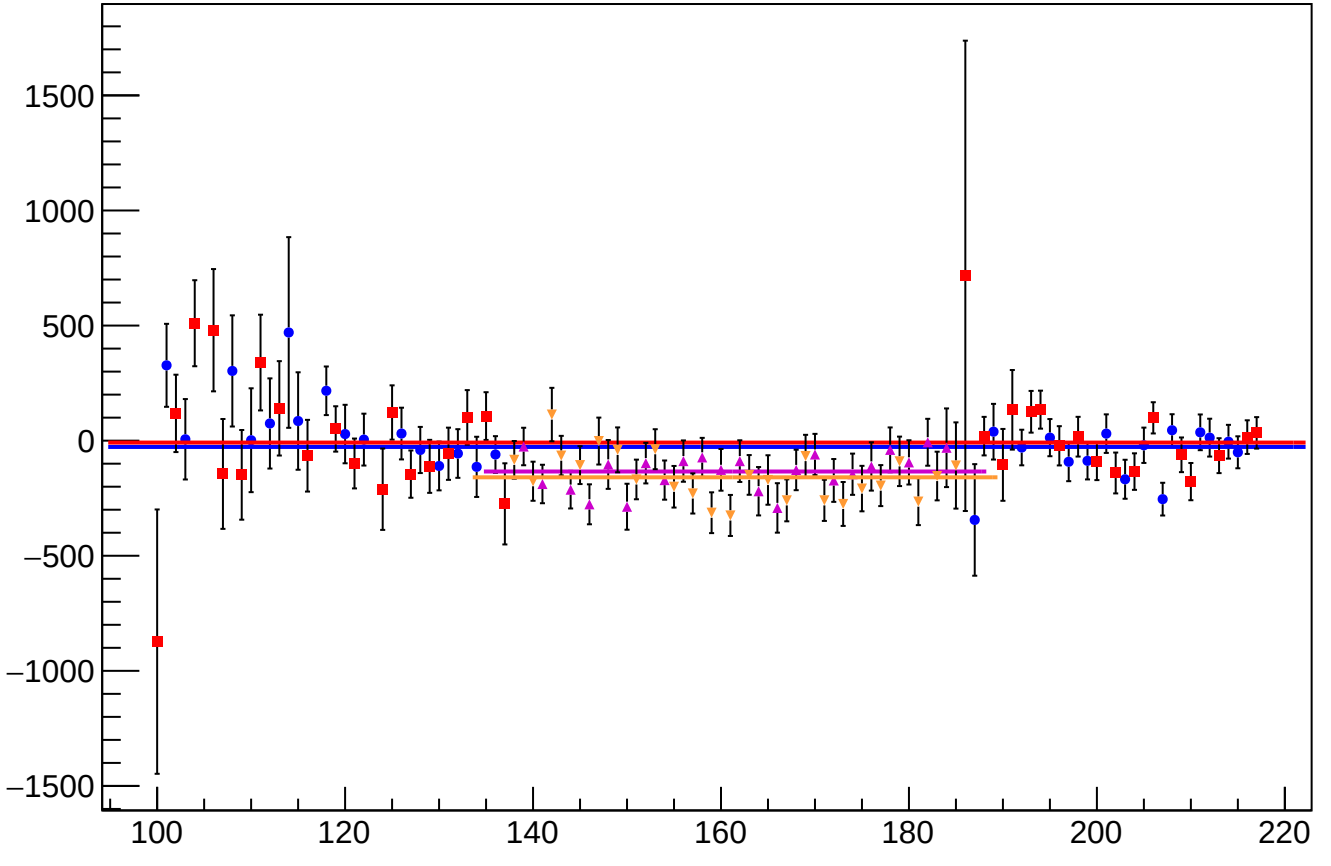
Right: 387.906+/-0.046 χ^2/NDF: 7172337.5/66

In: 351.997+/-0.042 χ^2/NDF:4355043.1/53

Out: 353.923+/-0.041 χ^2/NDF:5365517.8/60

All: 352.979+/-0.029 χ^2/NDF: 9721632.9/114

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: -8.290+/-17.493 χ^2/NDF: 50.2/35

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

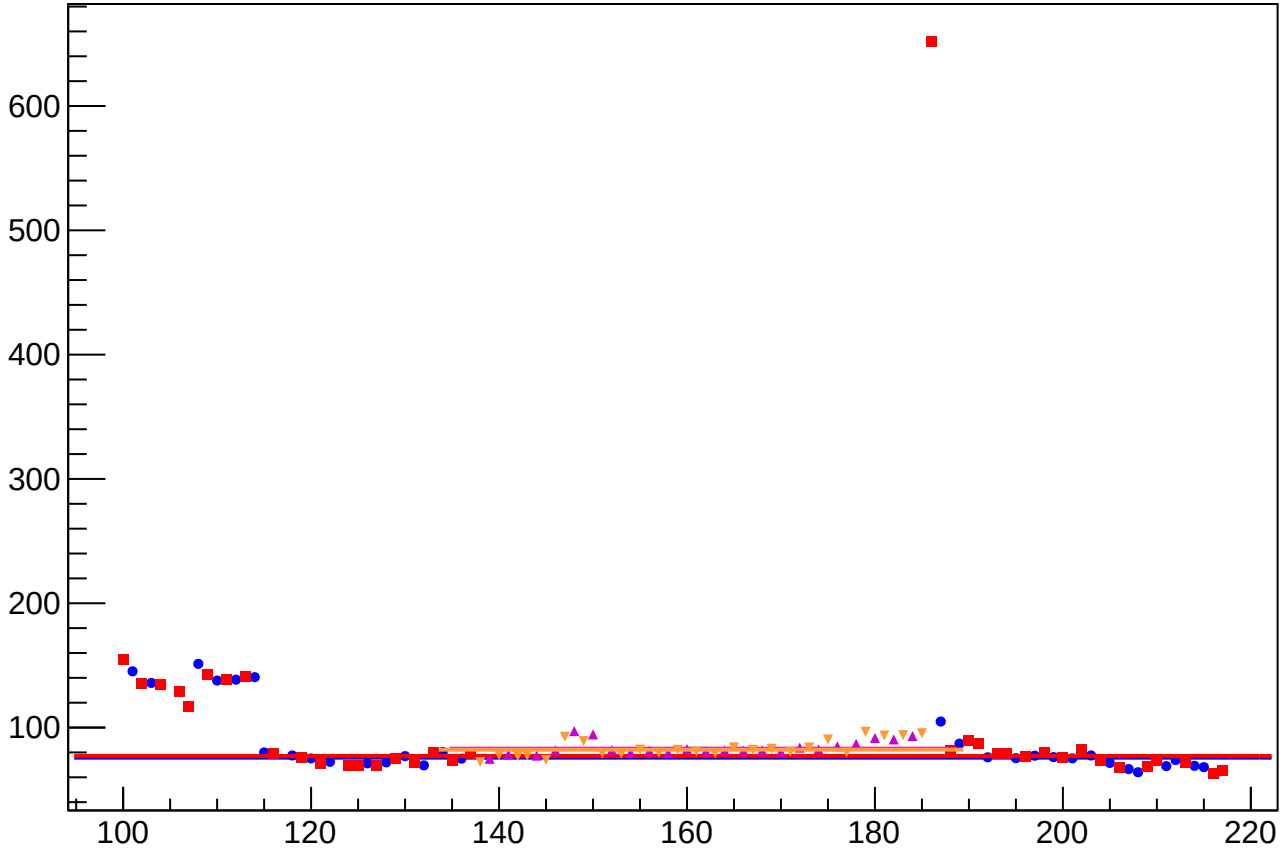
Right: -17.740+/-12.413 χ^2/NDF: 84.7/66

In: -75.430+/-13.055 χ^2/NDF:67.0/53

Out: -78.531+/-12.791 χ^2/NDF:113.0/60

All: -77.012+/-9.136 χ^2/NDF: 179.9/114

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: 77.201+/-0.012 χ^2/NDF: 2119580.6/35

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

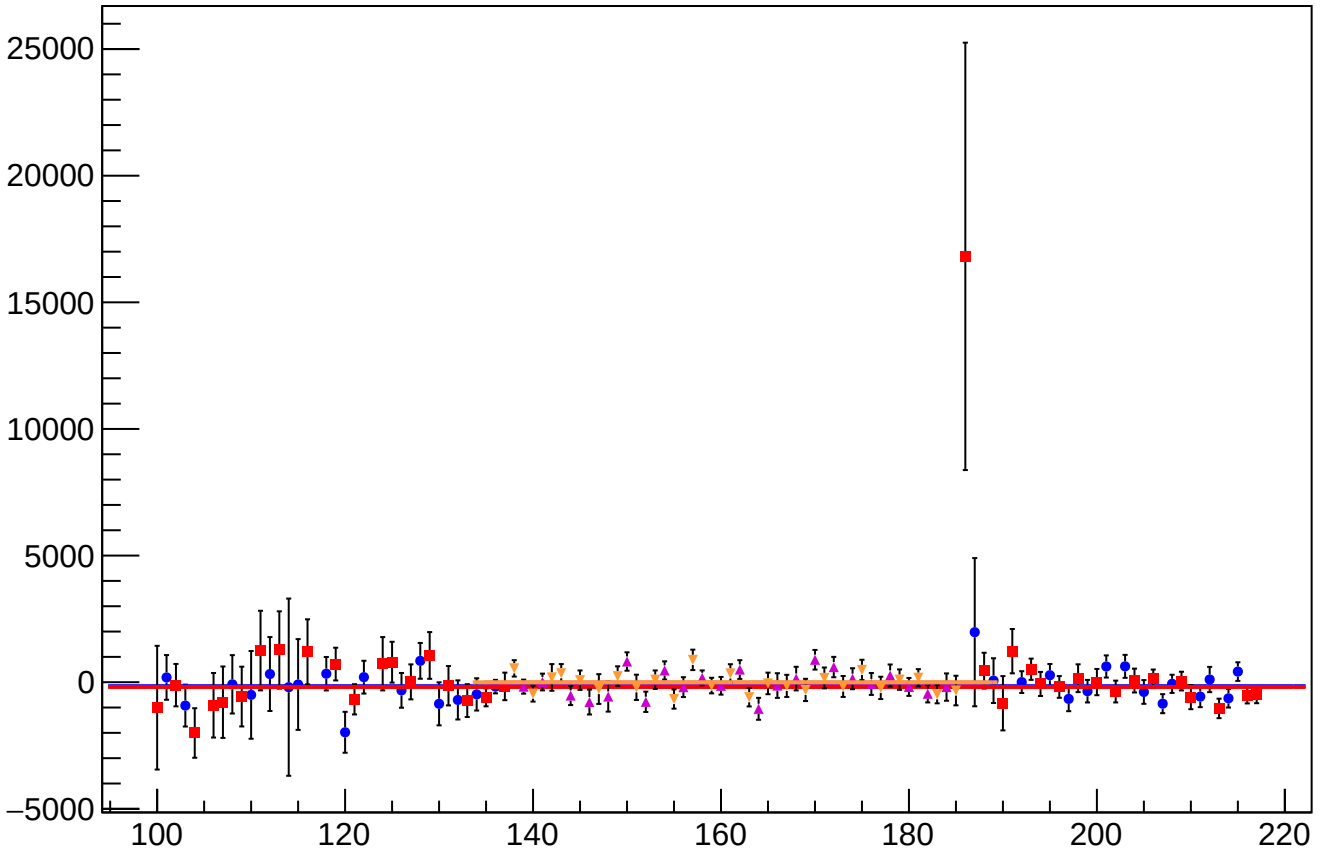
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 76.513+/-0.009 χ^2/NDF: 3479944.6/66

In: 79.052+/-0.009 χ^2/NDF:1649455.3/53

Out: 79.550+/-0.009 χ^2/NDF:2413574.6/60

All: 79.306+/-0.006 χ^2/NDF: 4064515.0/114



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: -187.475+/-94.115 χ^2/NDF: 36.1/35

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

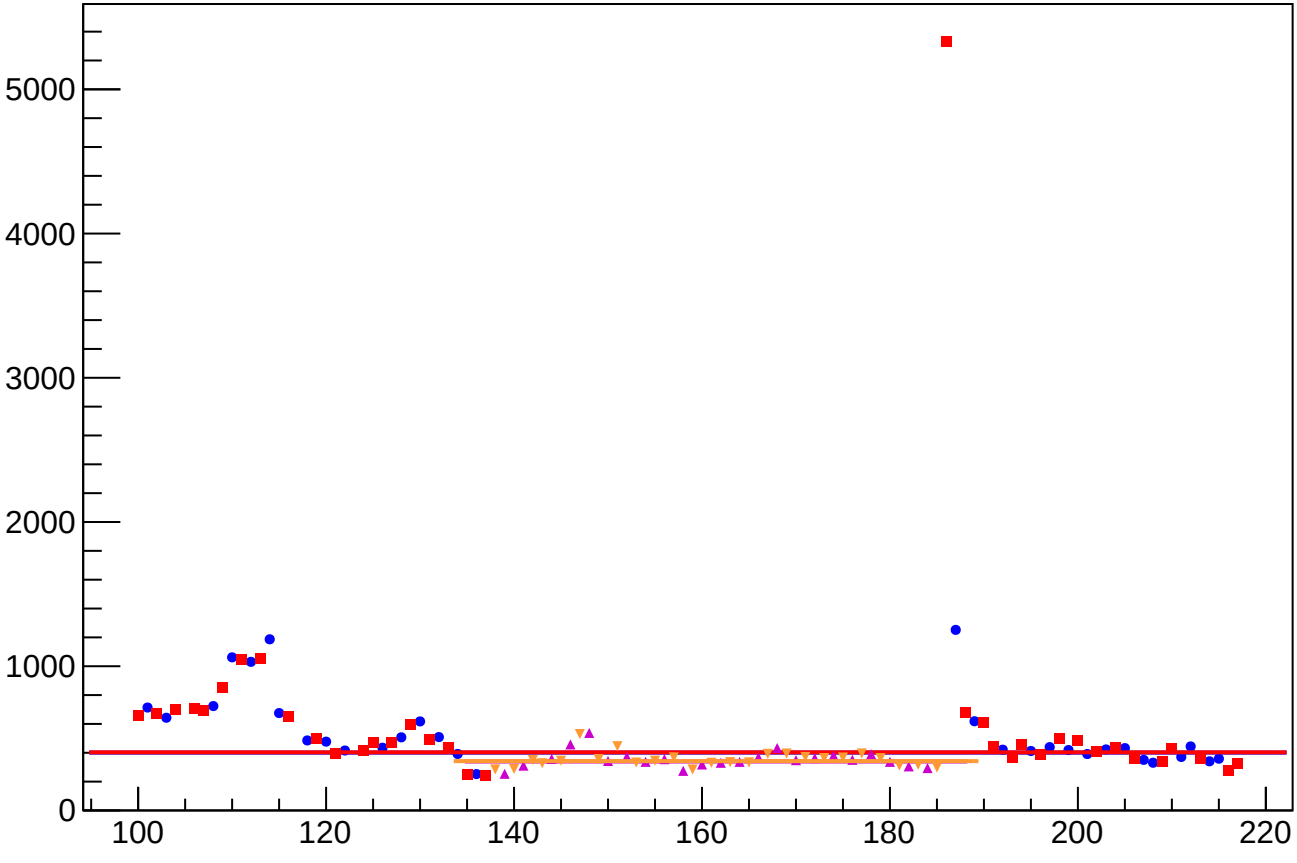
Right: -172.645+/-66.987 χ^2/NDF: 65.0/66

In: -75.066+/-61.474 χ^2/NDF:65.0/53

Out: -78.834+/-60.320 χ^2/NDF:61.9/60

All: -76.986+/-43.055 χ^2/NDF: 126.9/114

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: 403.112+/-0.067 χ^2/NDF: 4145223.7/35

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

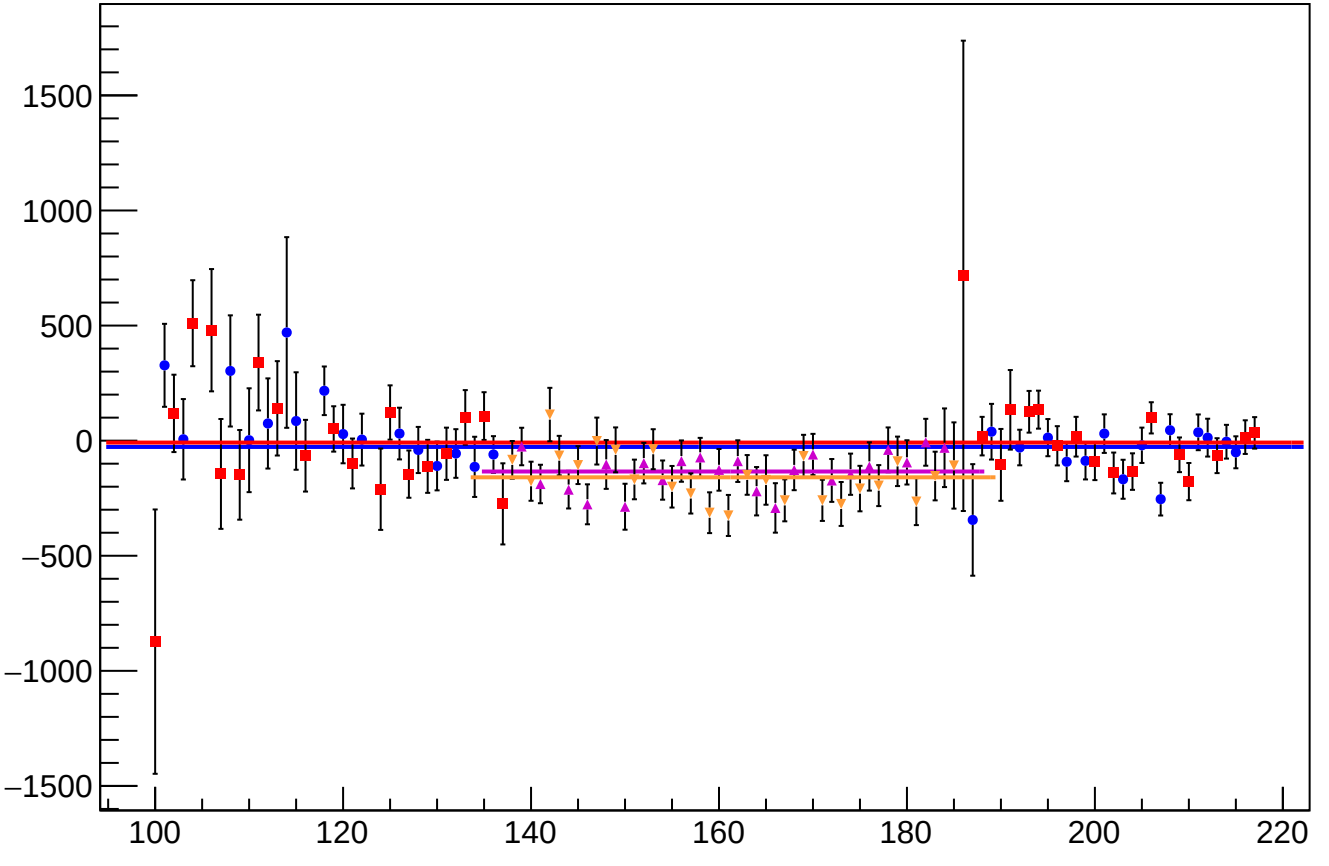
Right: 402.063+/-0.047 χ^2/NDF: 6971408.9/66

In: 365.008+/-0.043 χ^2/NDF:4159415.4/53

Out: 367.055+/-0.043 χ^2/NDF:5297364.2/60

All: 366.051+/-0.030 χ^2/NDF: 9457909.6/114

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: -8.290+/-17.493 χ^2/NDF: 50.2/35

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

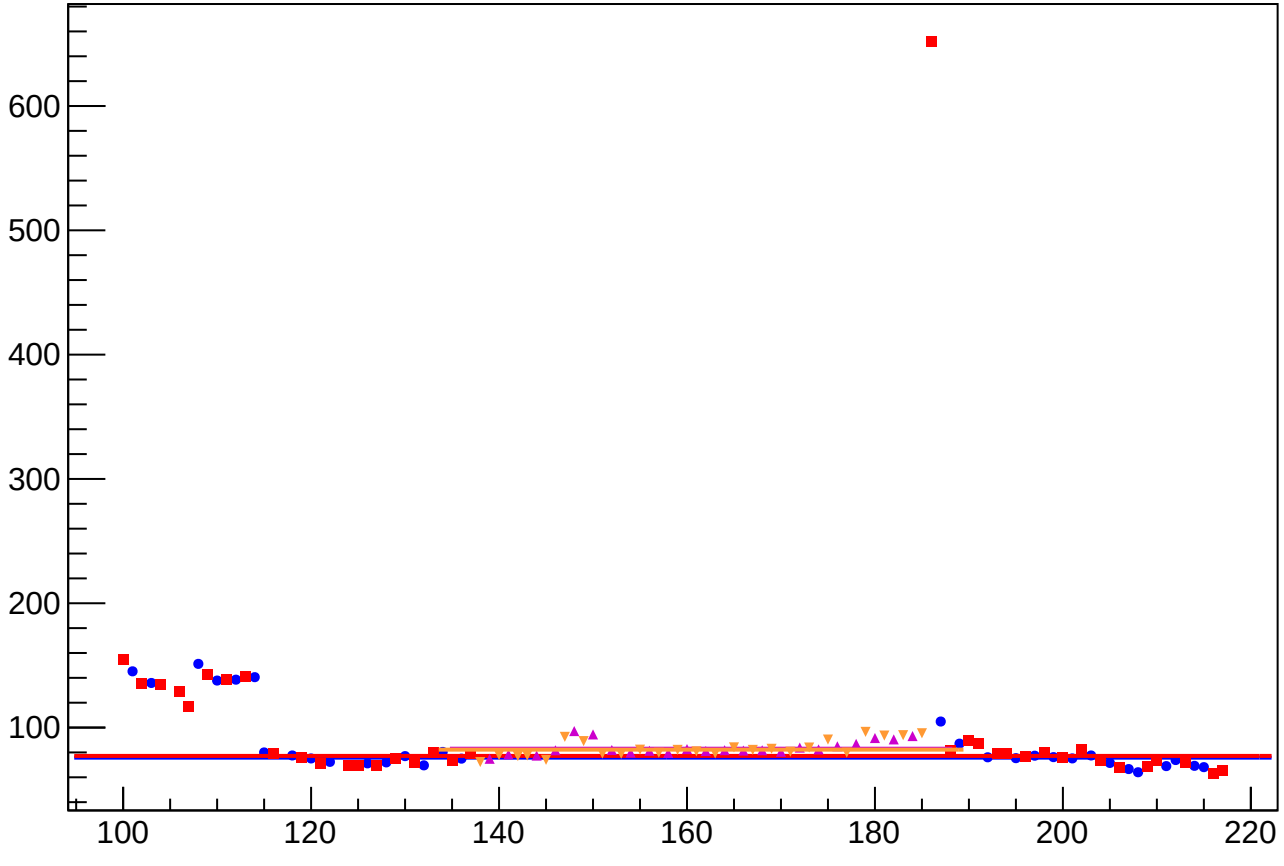
Right: -17.740+/-12.413 χ^2/NDF: 84.7/66

In: -75.430+/-13.054 χ^2/NDF:67.0/53

Out: -78.531+/-12.791 χ^2/NDF:113.0/60

All: -77.012+/-9.136 χ^2/NDF: 179.9/114

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: 77.201+/-0.012 χ^2/NDF: 2119581.2/35

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

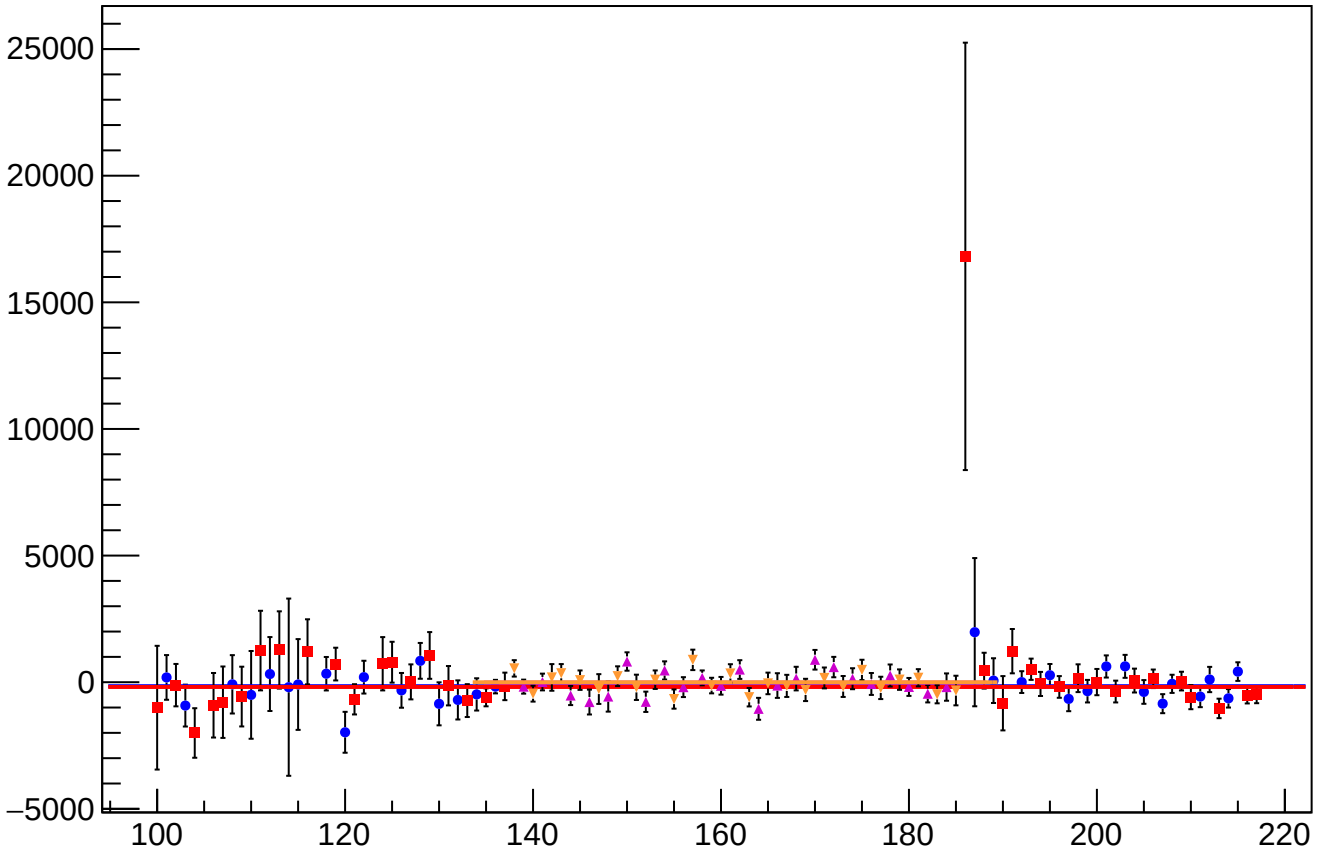
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 76.513+/-0.009 χ^2/NDF: 3479946.6/66

In: 79.051+/-0.009 χ^2/NDF:1649460.0/53

Out: 79.549+/-0.009 χ^2/NDF:2413579.7/60

All: 79.306+/-0.006 χ^2/NDF: 4064524.9/114



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: -187.476+/-94.114 χ^2/NDF: 36.1/35

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

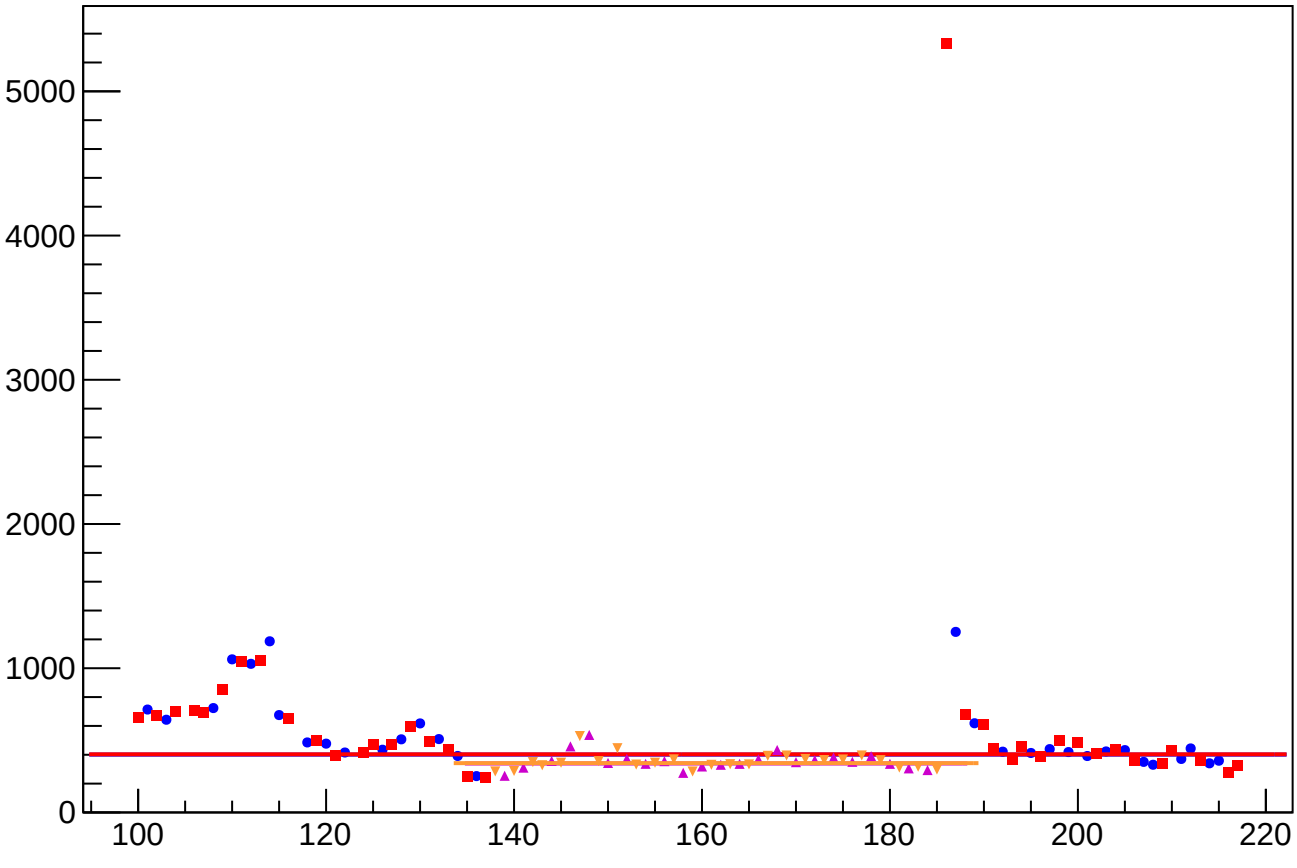
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -172.645+/-66.987 χ^2/NDF: 65.0/66

In: -75.065+/-61.474 χ^2/NDF:65.0/53

Out: -78.834+/-60.320 χ^2/NDF:61.9/60

All: -76.985+/-43.055 χ^2/NDF: 126.9/114



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: 403.111+/-0.067 χ^2/NDF: 4145231.3/35

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

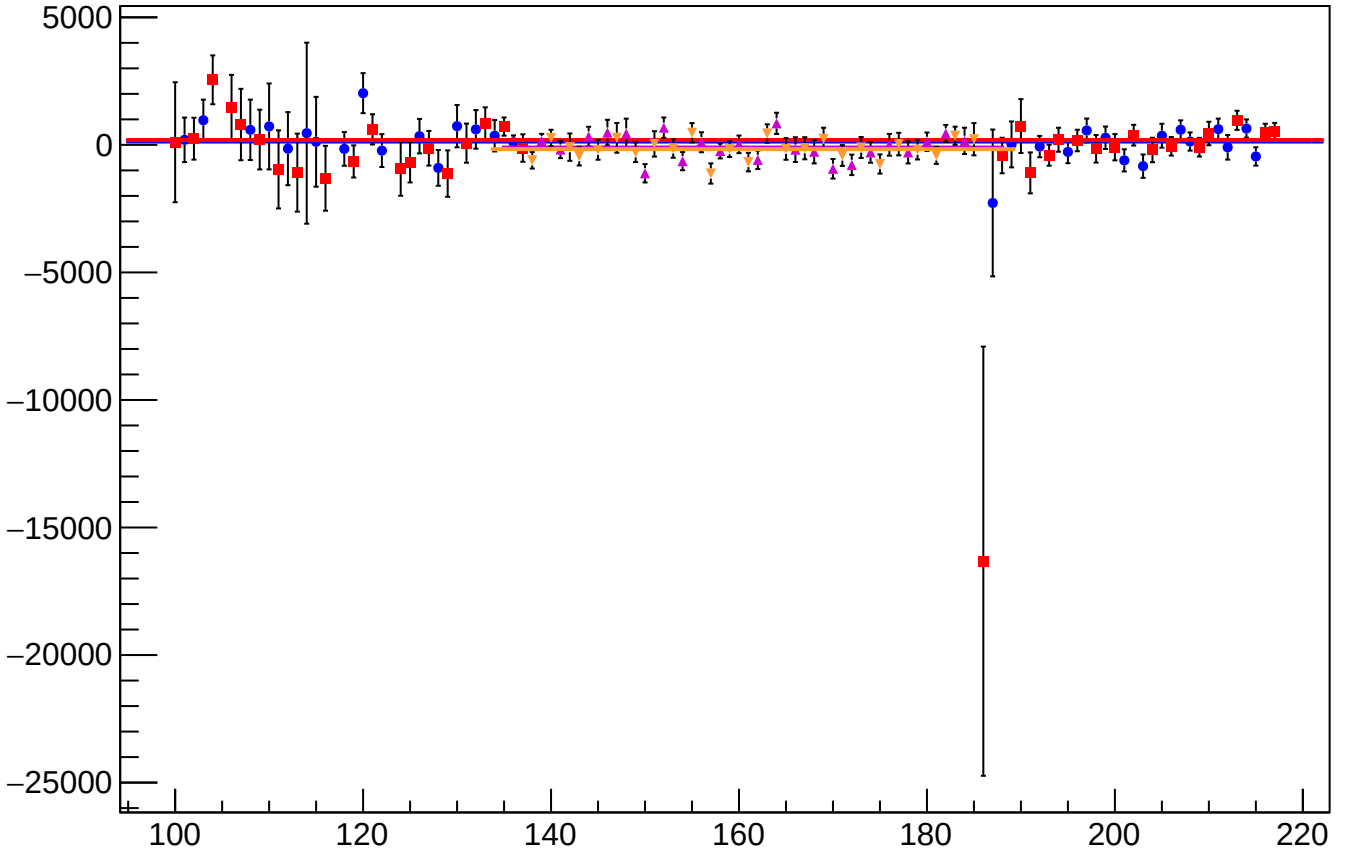
Right: 402.062+/-0.047 χ^2/NDF: 6971421.1/66

In: 365.007+/-0.043 χ^2/NDF:4159412.8/53

Out: 367.054+/-0.043 χ^2/NDF:5297360.8/60

All: 366.050+/-0.030 χ^2/NDF: 9457903.6/114

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: 190.367+/-92.747 χ^2/NDF: 39.1/35

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

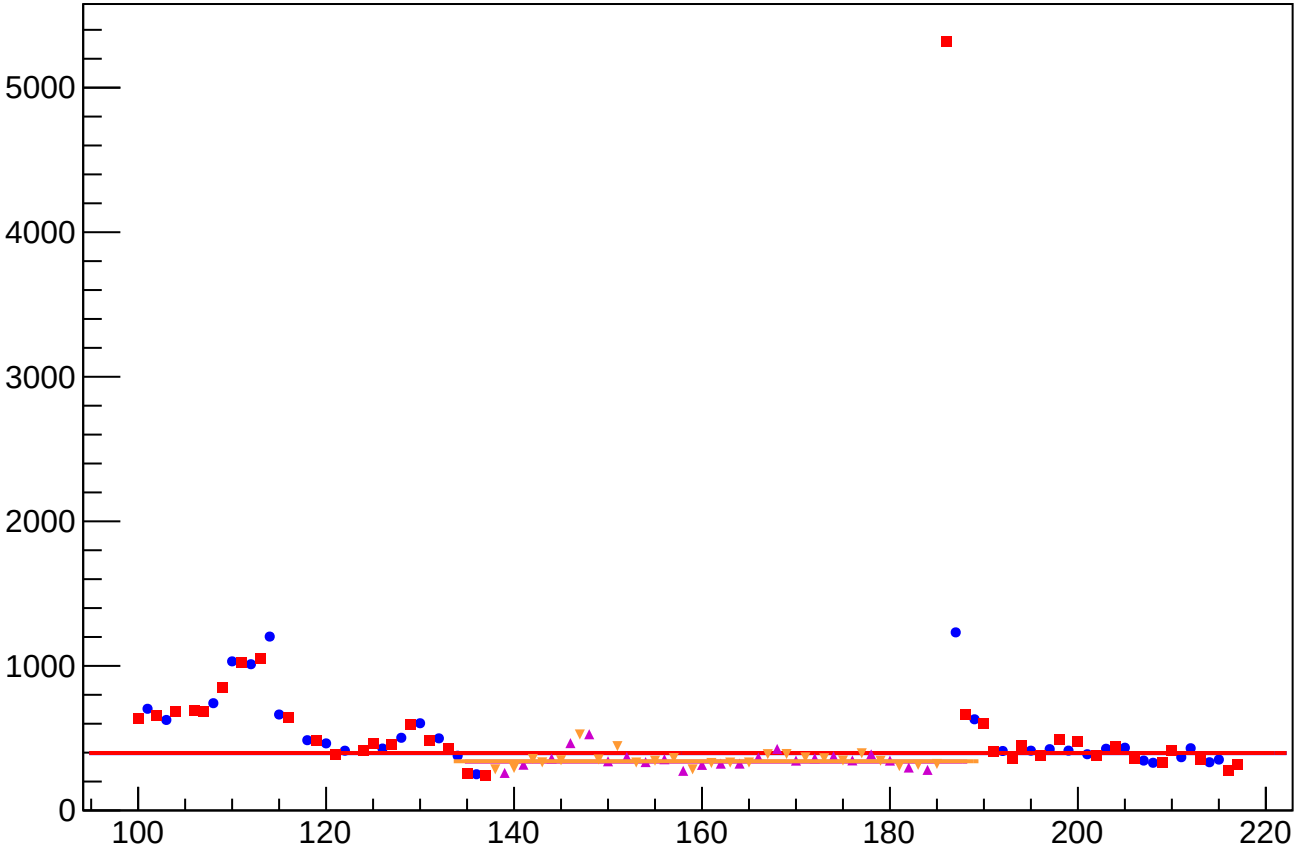
Right: 161.413+/-66.103 χ^2/NDF: 68.5/66

In: -5.372+/-60.986 χ^2/NDF:70.3/53

Out: -18.778+/-59.776 χ^2/NDF:73.3/60

All: -12.209+/-42.689 χ^2/NDF: 143.7/114

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: 397.556+/-0.066 χ^2/NDF: 4093812.4/35

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

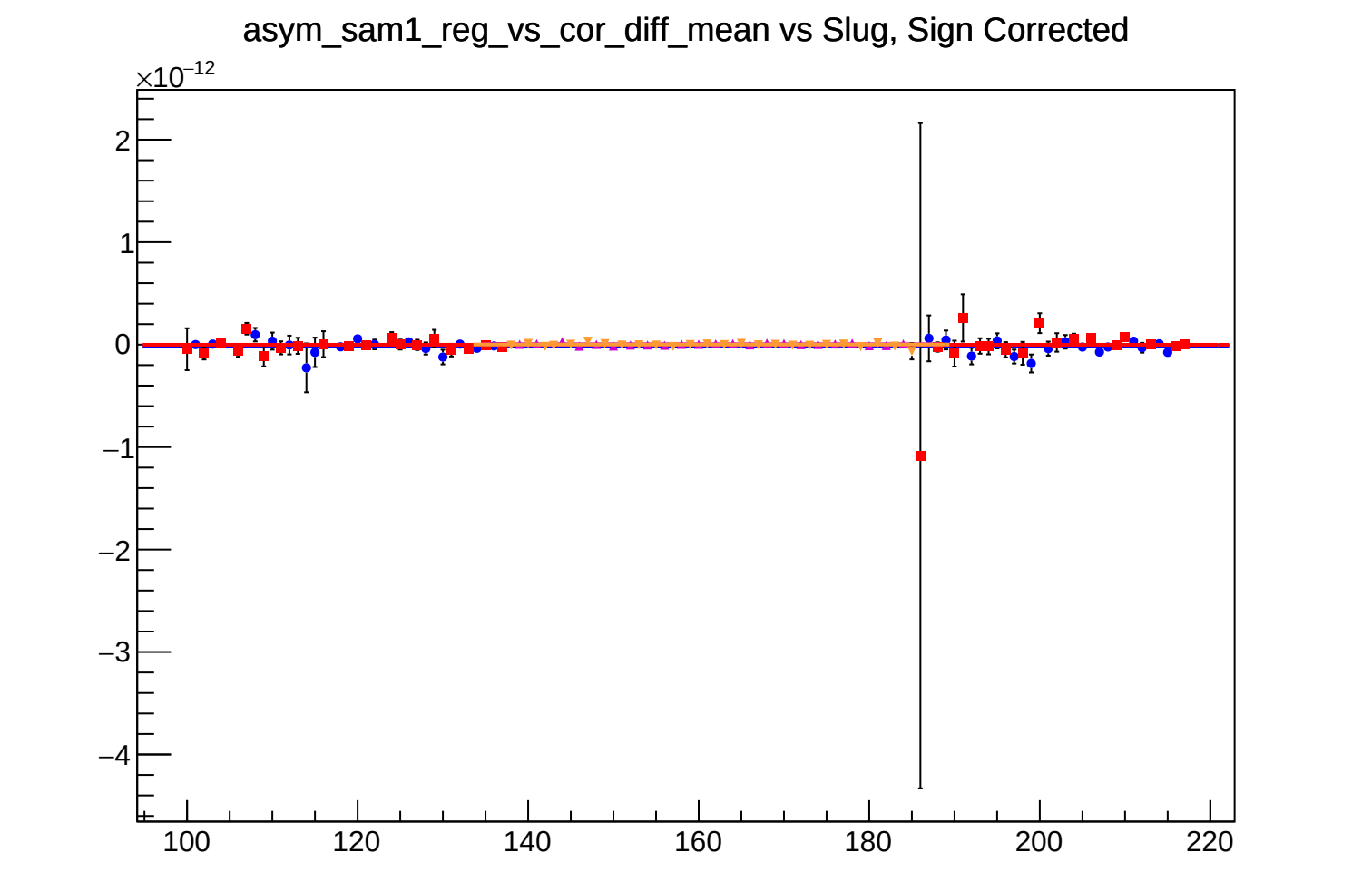
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 396.942+/-0.047 χ^2/NDF: 6906641.5/66

In: 362.280+/-0.043 χ^2/NDF:4082033.0/53

Out: 364.136+/-0.042 χ^2/NDF:5142145.5/60

All: 363.227+/-0.030 χ^2/NDF: 9225124.1/114



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: 34.3/35

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

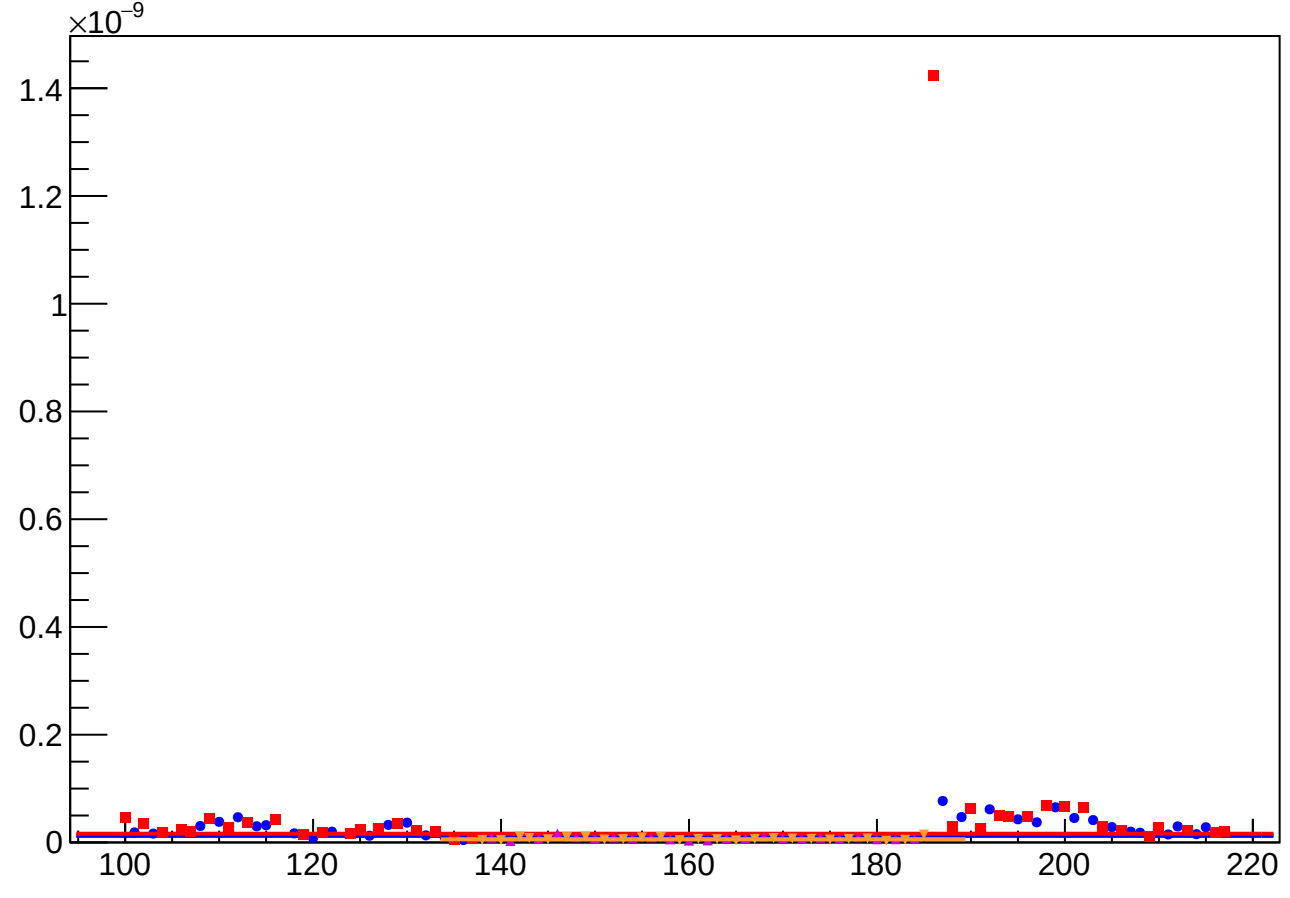
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 71.6/66

In: 0.000+/-0.000 χ^2/NDF:53.9/53

Out: 0.000+/-0.000 χ^2/NDF:50.6/60

All: 0.000+/-0.000 χ^2/NDF: 104.5/114



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: 7428606.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

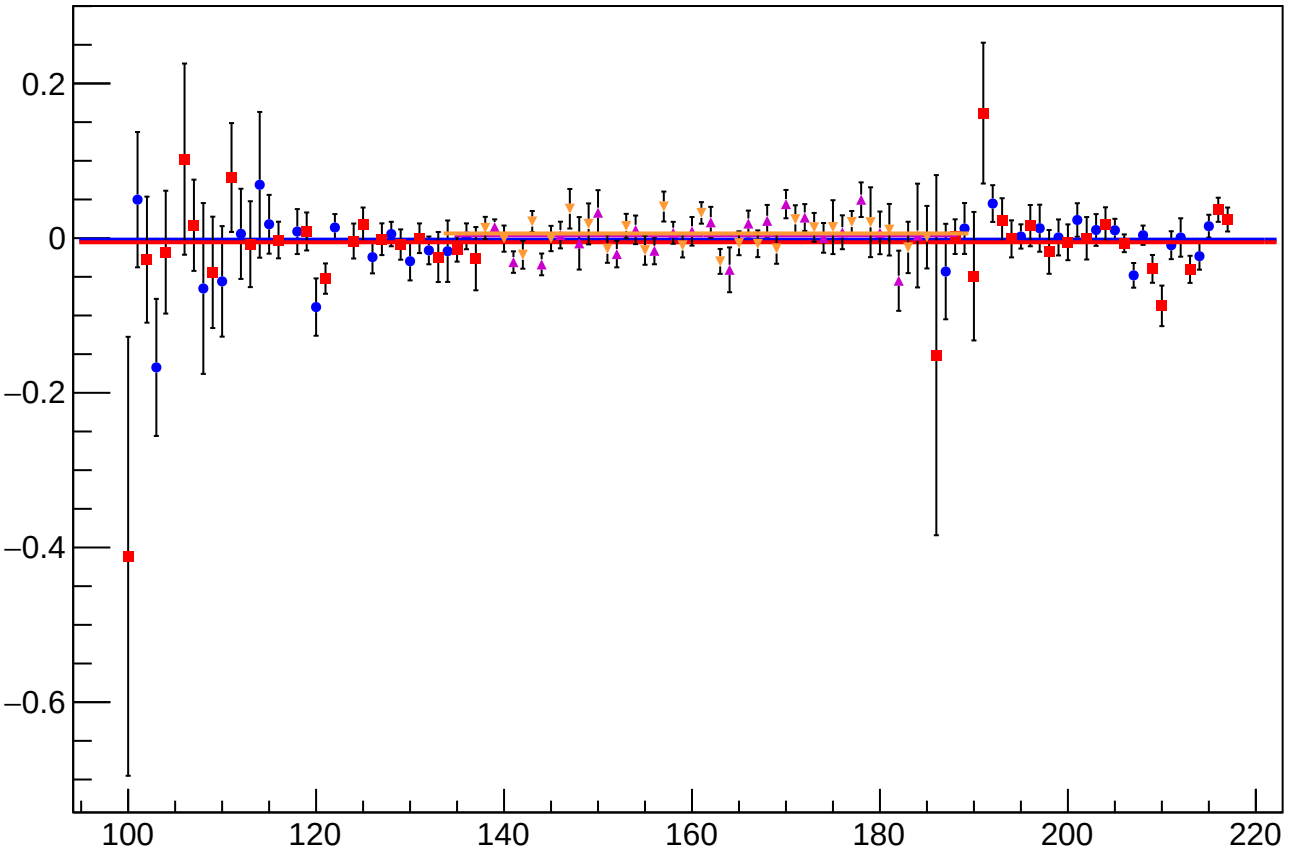
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16002695.8/66

In: 0.000+/-0.000 χ^2/NDF:12110729.8/53

Out: 0.000+/-0.000 χ^2/NDF:13190096.7/60

All: 0.000+/-0.000 χ^2/NDF: 25326290.6/114



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: -0.005+/-0.004 χ^2/NDF: 48.5/35

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

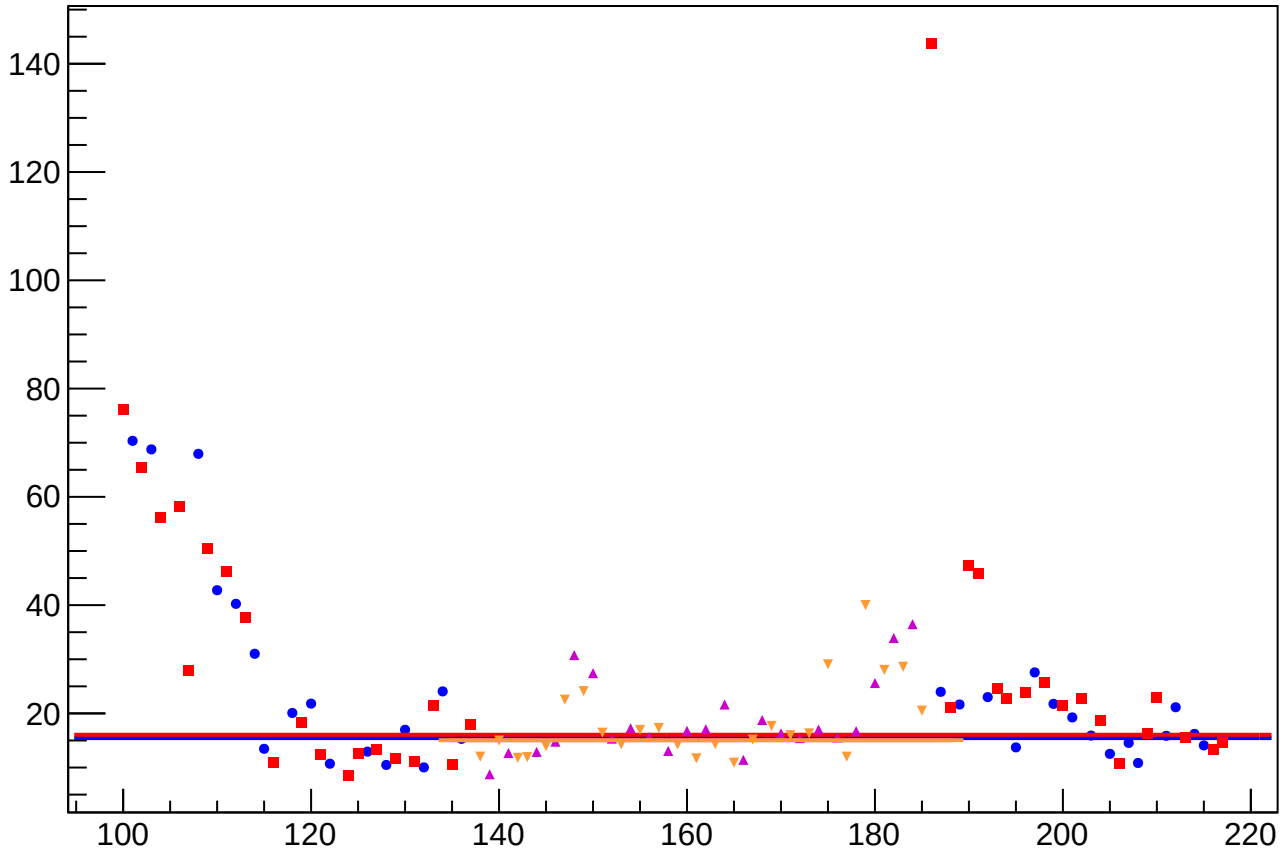
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 83.2/66

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: 0.001+/-0.003 χ^2/NDF:79.5/60

All: 0.001+/-0.002 χ^2/NDF: 152.1/114



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: 16.055+/-0.003 χ^2/NDF: 6638734.8/35

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

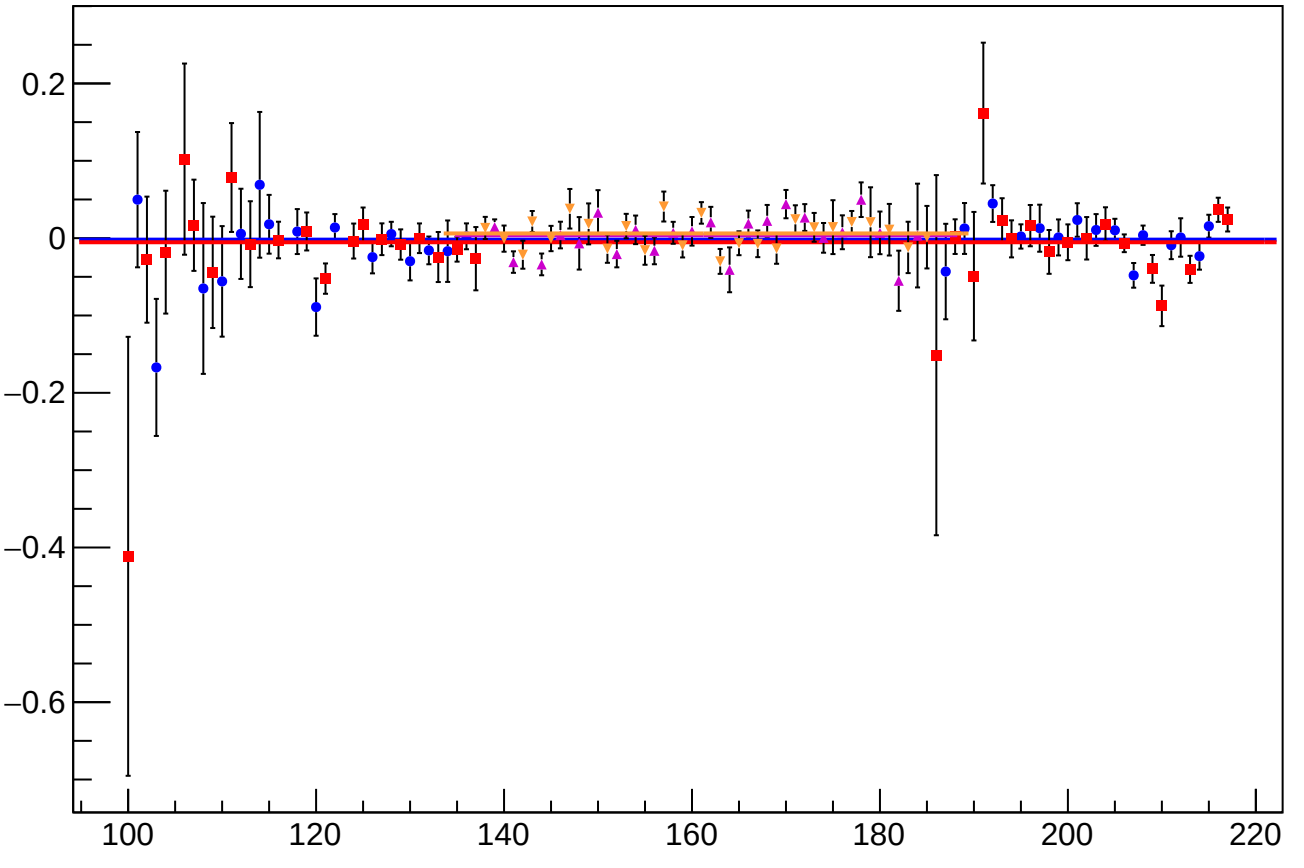
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.739+/-0.002 χ^2/NDF: 11456105.2/66

In: 15.246+/-0.002 χ^2/NDF:7868972.7/53

Out: 15.504+/-0.002 χ^2/NDF:9464968.1/60

All: 15.377+/-0.001 χ^2/NDF: 17342826.1/114



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: -0.005+/-0.004 χ^2/NDF: 48.5/35

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

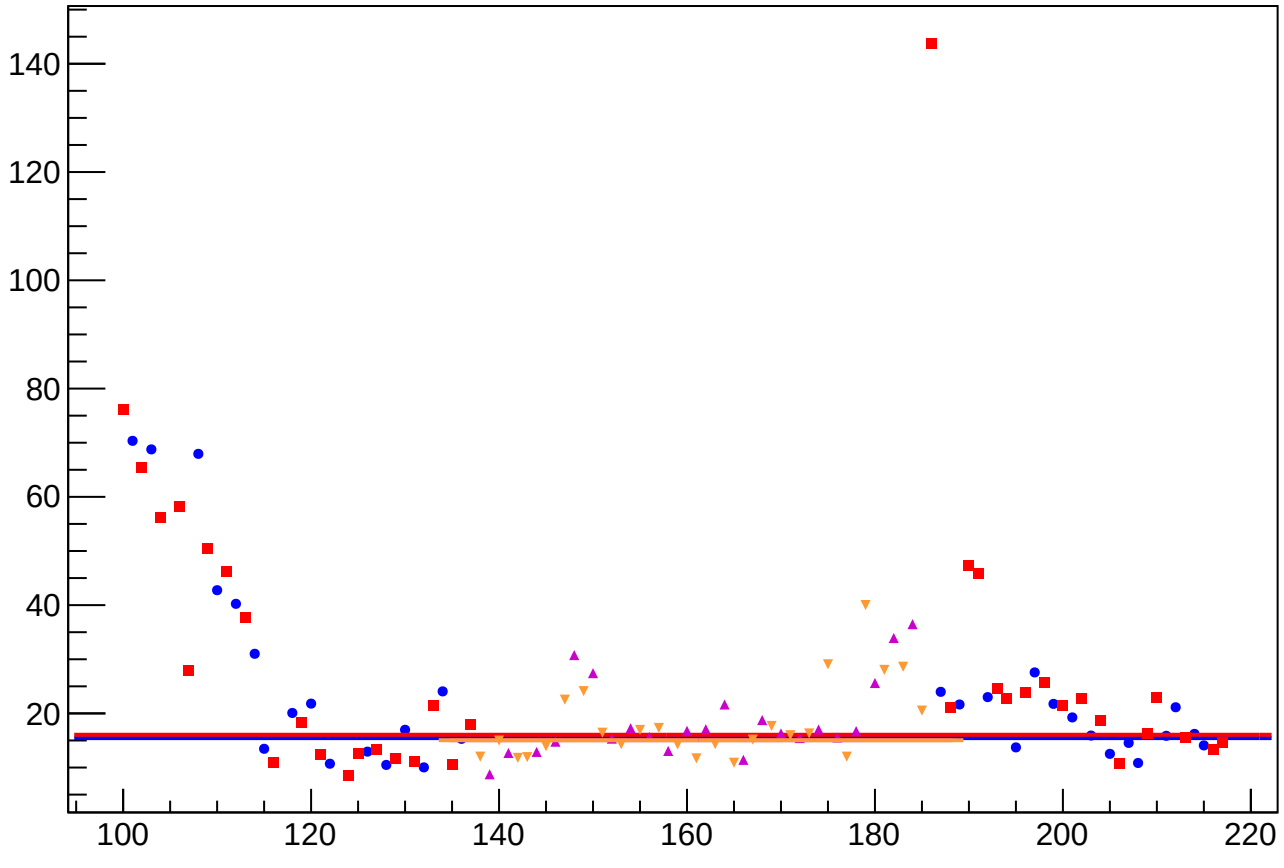
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 83.2/66

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: 0.001+/-0.003 χ^2/NDF:79.5/60

All: 0.001+/-0.002 χ^2/NDF: 152.1/114



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: 16.055+/-0.003 χ^2/NDF: 6638734.8/35

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

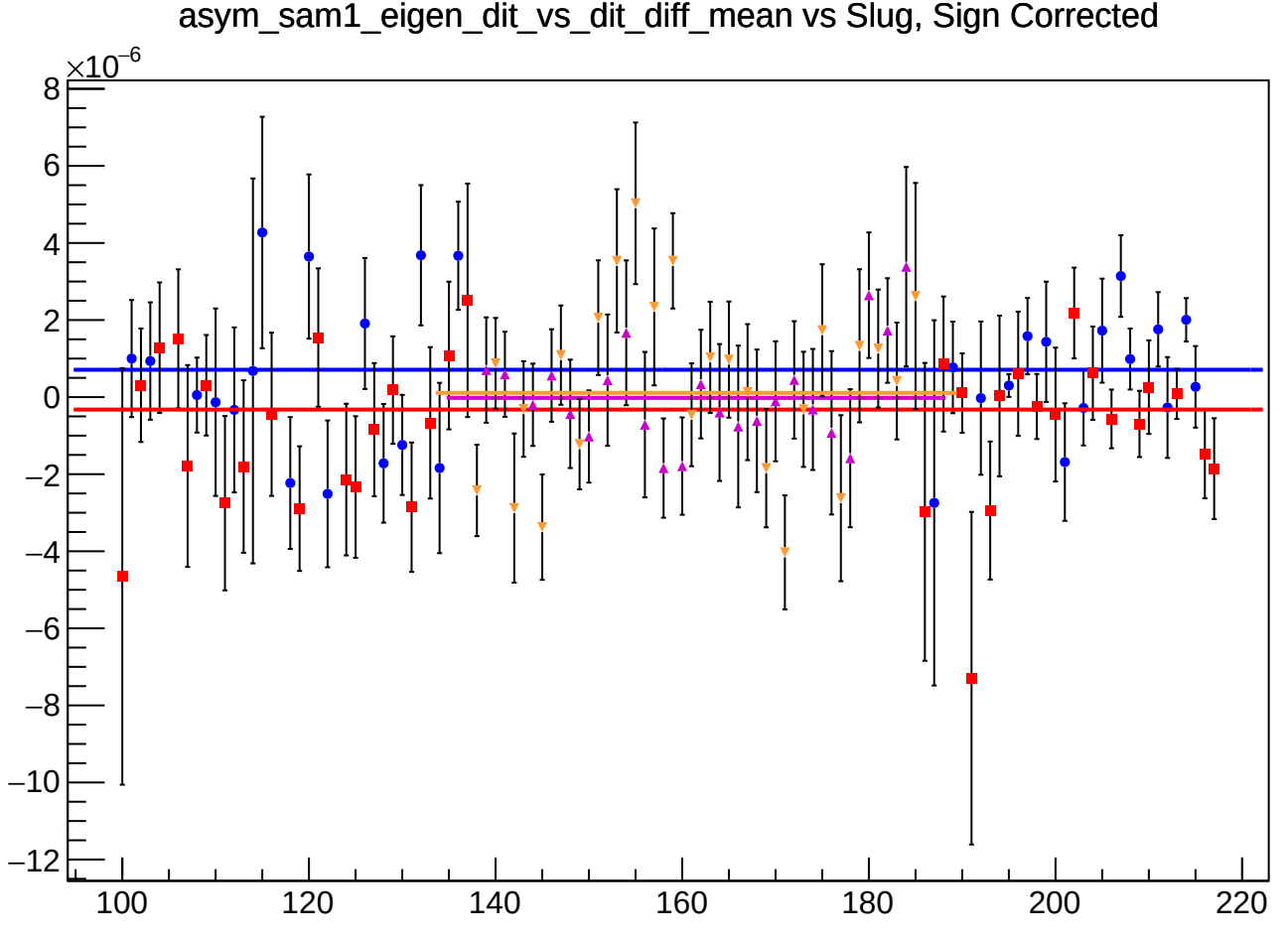
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.739+/-0.002 χ^2/NDF: 11456105.2/66

In: 15.246+/-0.002 χ^2/NDF:7868972.7/53

Out: 15.504+/-0.002 χ^2/NDF:9464968.1/60

All: 15.377+/-0.001 χ^2/NDF: 17342826.1/114



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: 29.2/35

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

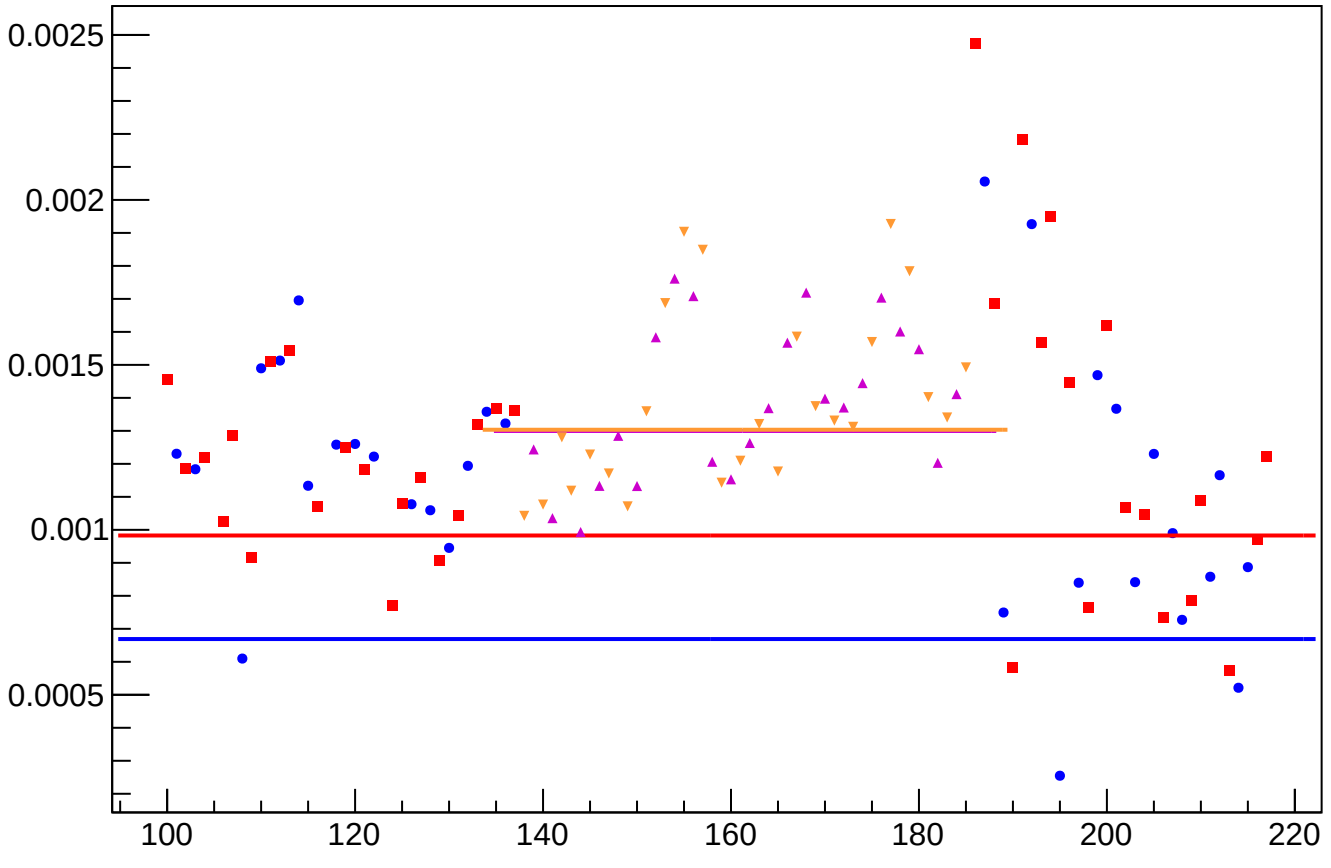
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

Right: 0.000+/-0.000 χ^2/NDF: 85.3/66

In: 0.000+/-0.000 χ^2/NDF:62.2/53

Out: -0.000+/-0.000 χ^2/NDF:80.5/60

All: 0.000+/-0.000 χ^2/NDF: 150.5/114



Right In: 0.001+/-0.000 χ^2/NDF: 9964676.3/30

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4161248.6/35

Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

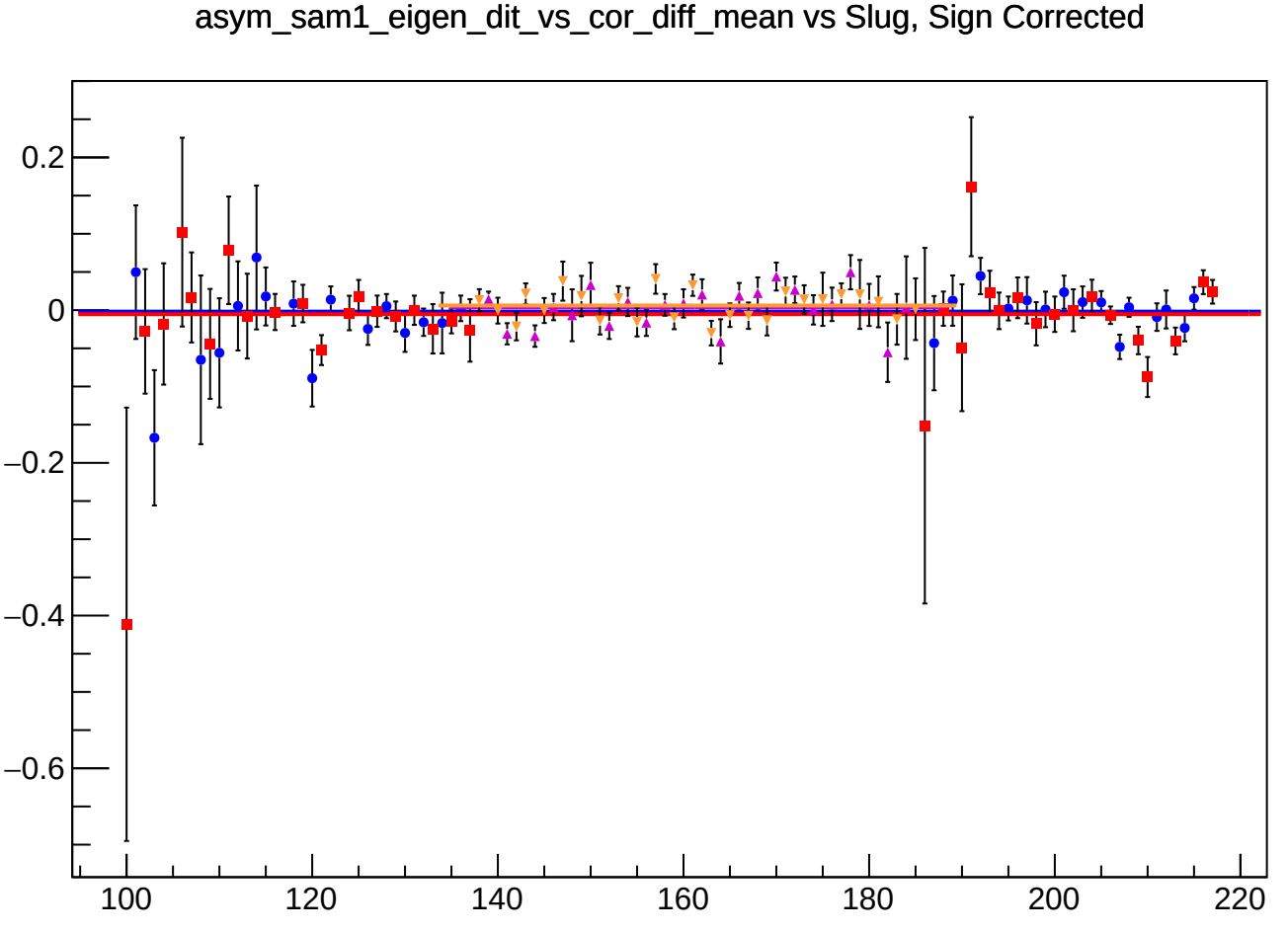
Left: 0.001+/-0.000 χ^2/NDF: 2207739.6/47

Right: 0.001+/-0.000 χ^2/NDF: 16375983.5/66

In: 0.001+/-0.000 χ^2/NDF:17146905.2/53

Out: 0.001+/-0.000 χ^2/NDF:6760701.3/60

All: 0.001+/-0.000 χ^2/NDF: 26376375.6/114



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: -0.005+/-0.004 χ^2/NDF: 48.5/35

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

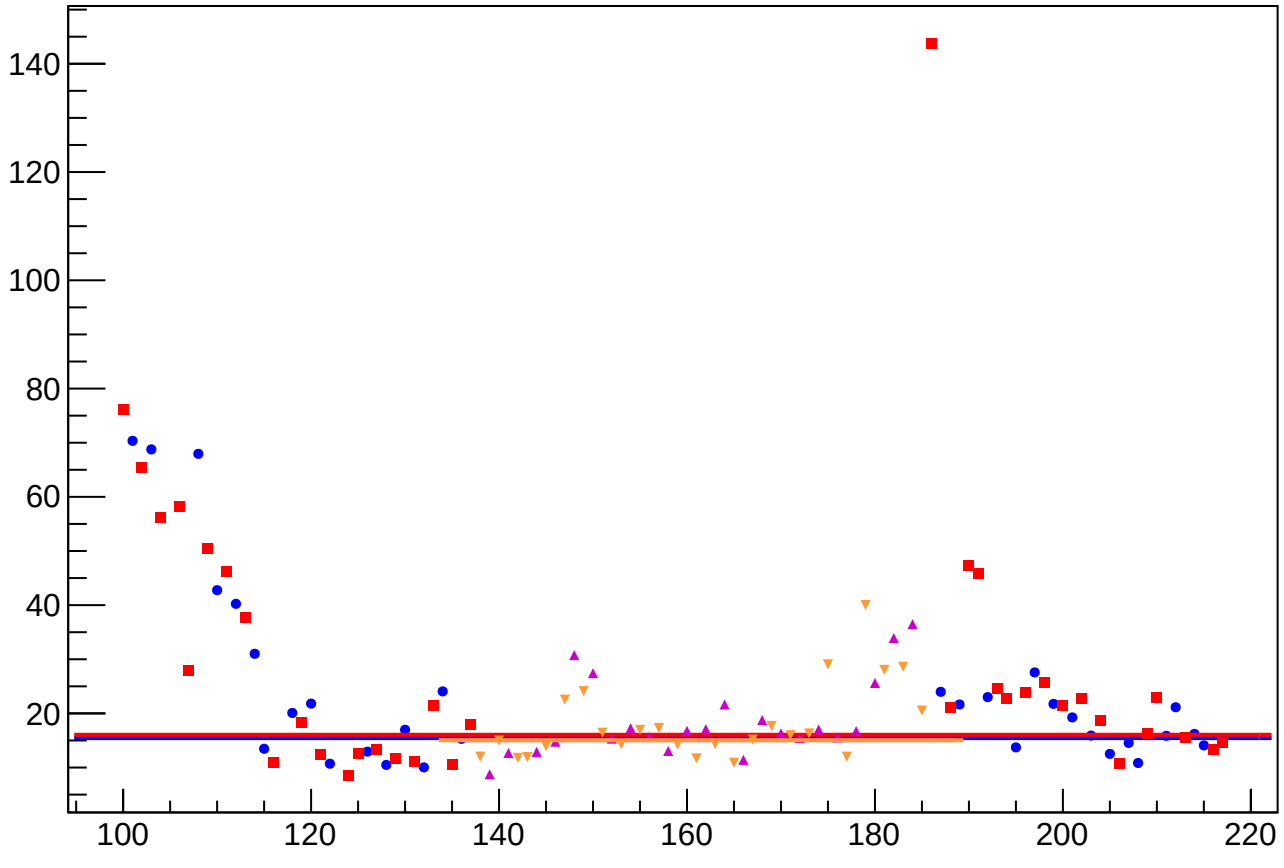
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 83.2/66

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: 0.001+/-0.003 χ^2/NDF:79.5/60

All: 0.001+/-0.002 χ^2/NDF: 152.1/114



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: 16.054+/-0.003 χ^2/NDF: 6638728.1/35

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

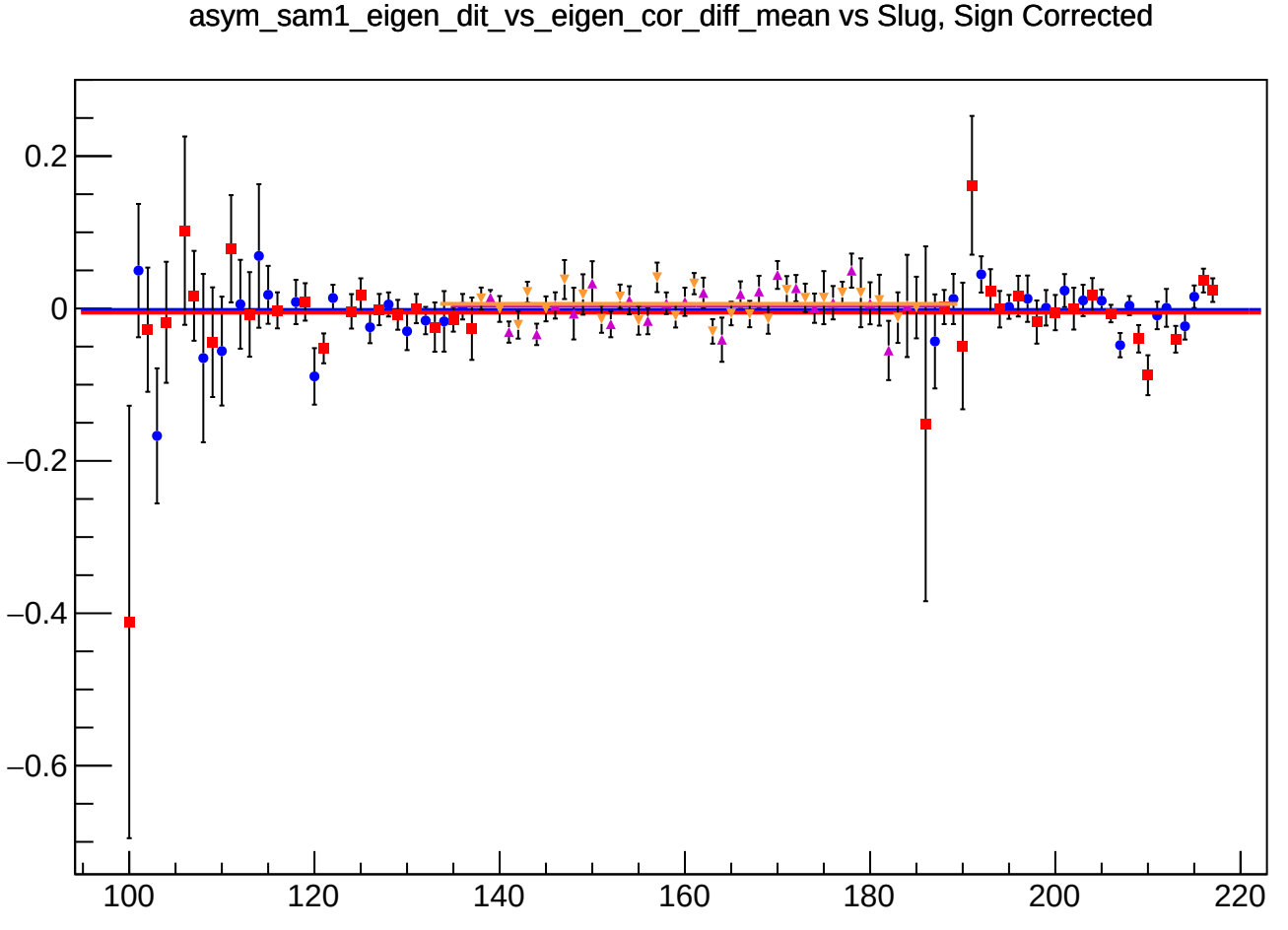
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.739+/-0.002 χ^2/NDF: 11456119.4/66

In: 15.246+/-0.002 χ^2/NDF:7869024.1/53

Out: 15.504+/-0.002 χ^2/NDF:9465165.9/60

All: 15.376+/-0.001 χ^2/NDF: 17343075.2/114



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: -0.005+/-0.004 χ^2/NDF: 48.5/35

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

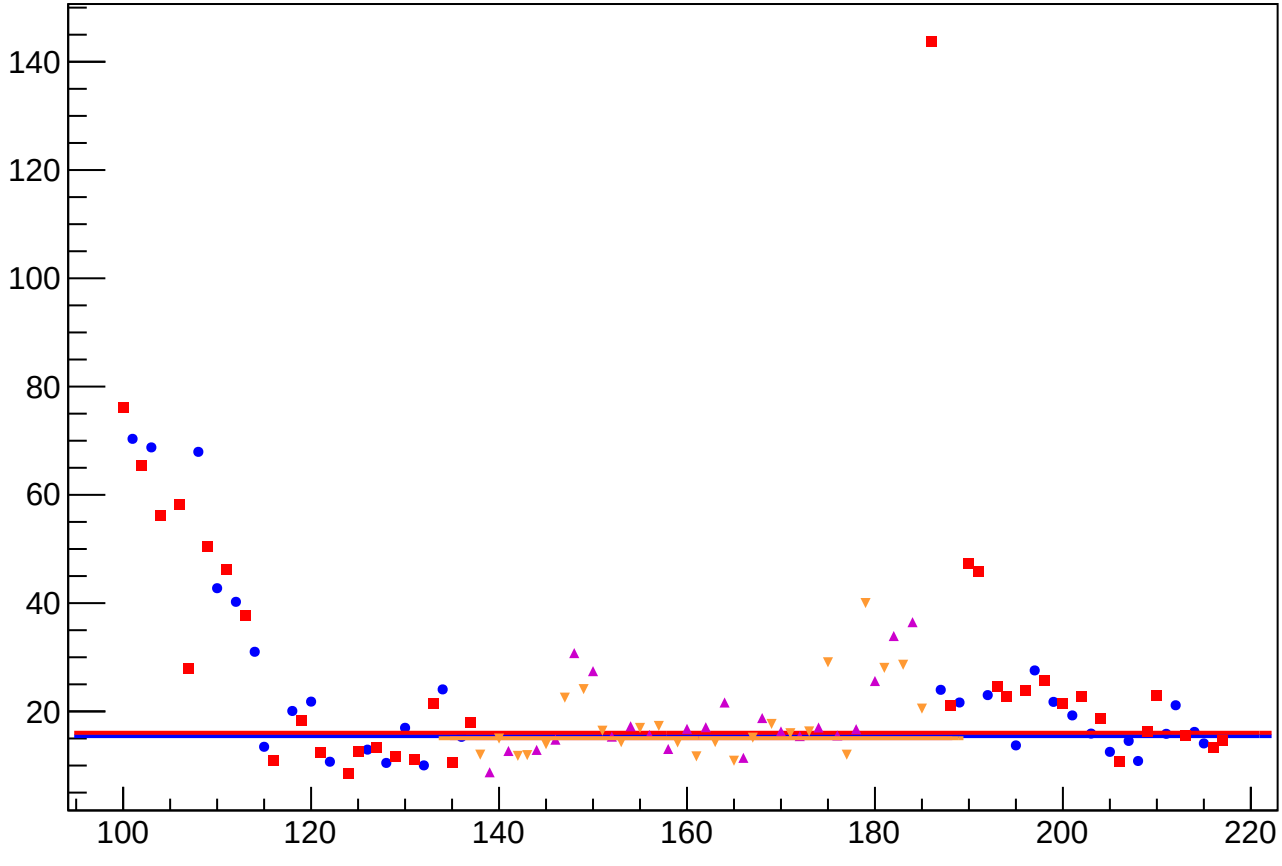
Right: -0.004+/-0.003 χ^2/NDF: 83.2/66

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: 0.001+/-0.003 χ^2/NDF:79.5/60

All: 0.001+/-0.002 χ^2/NDF: 152.1/114

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 16.054+/-0.003 χ^2/NDF: 6638728.1/35

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

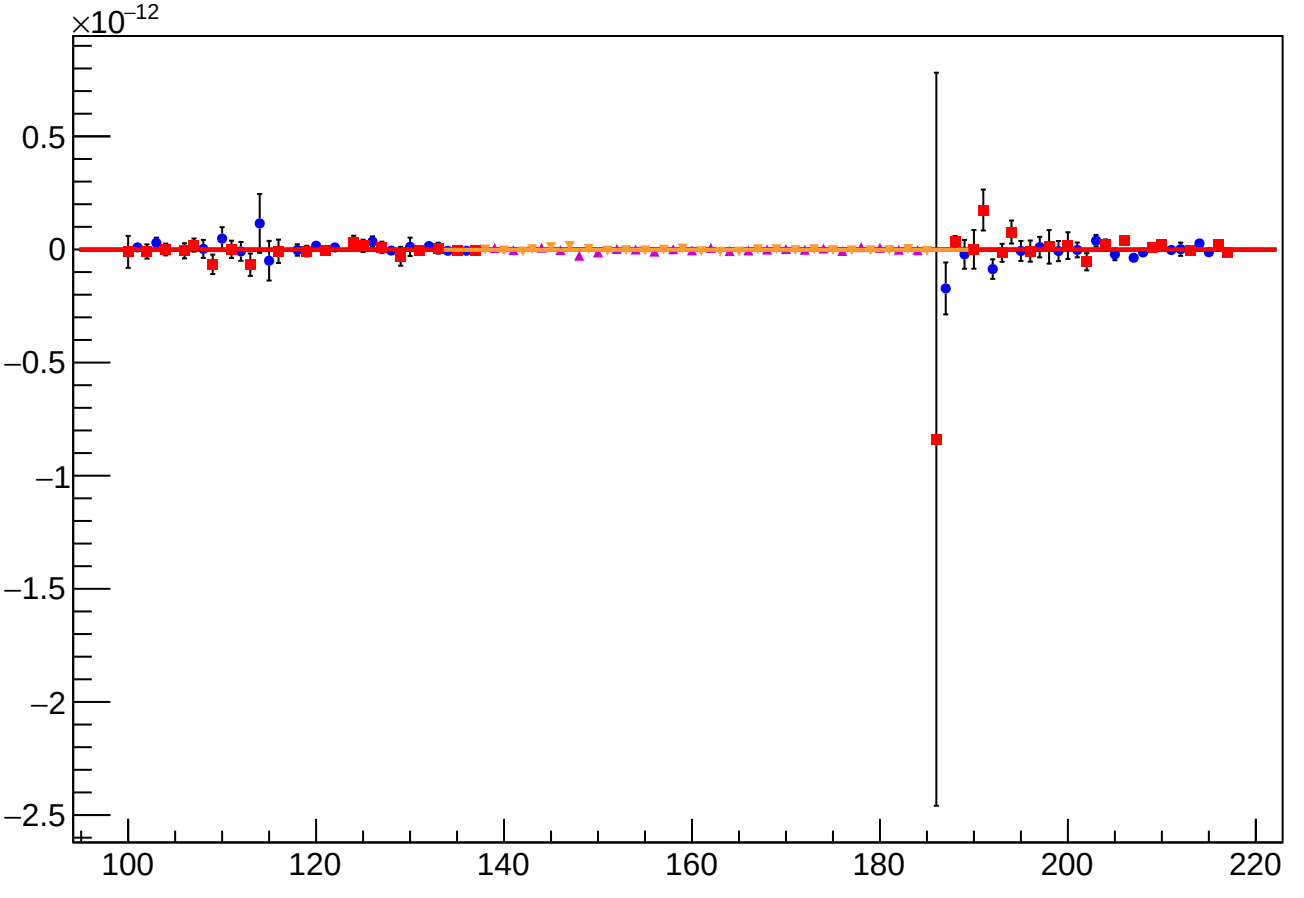
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.739+/-0.002 χ^2/NDF: 11456119.4/66

In: 15.246+/-0.002 χ^2/NDF:7869024.1/53

Out: 15.504+/-0.002 χ^2/NDF:9465165.9/60

All: 15.376+/-0.001 χ^2/NDF: 17343075.2/114



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: 26.5/35

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

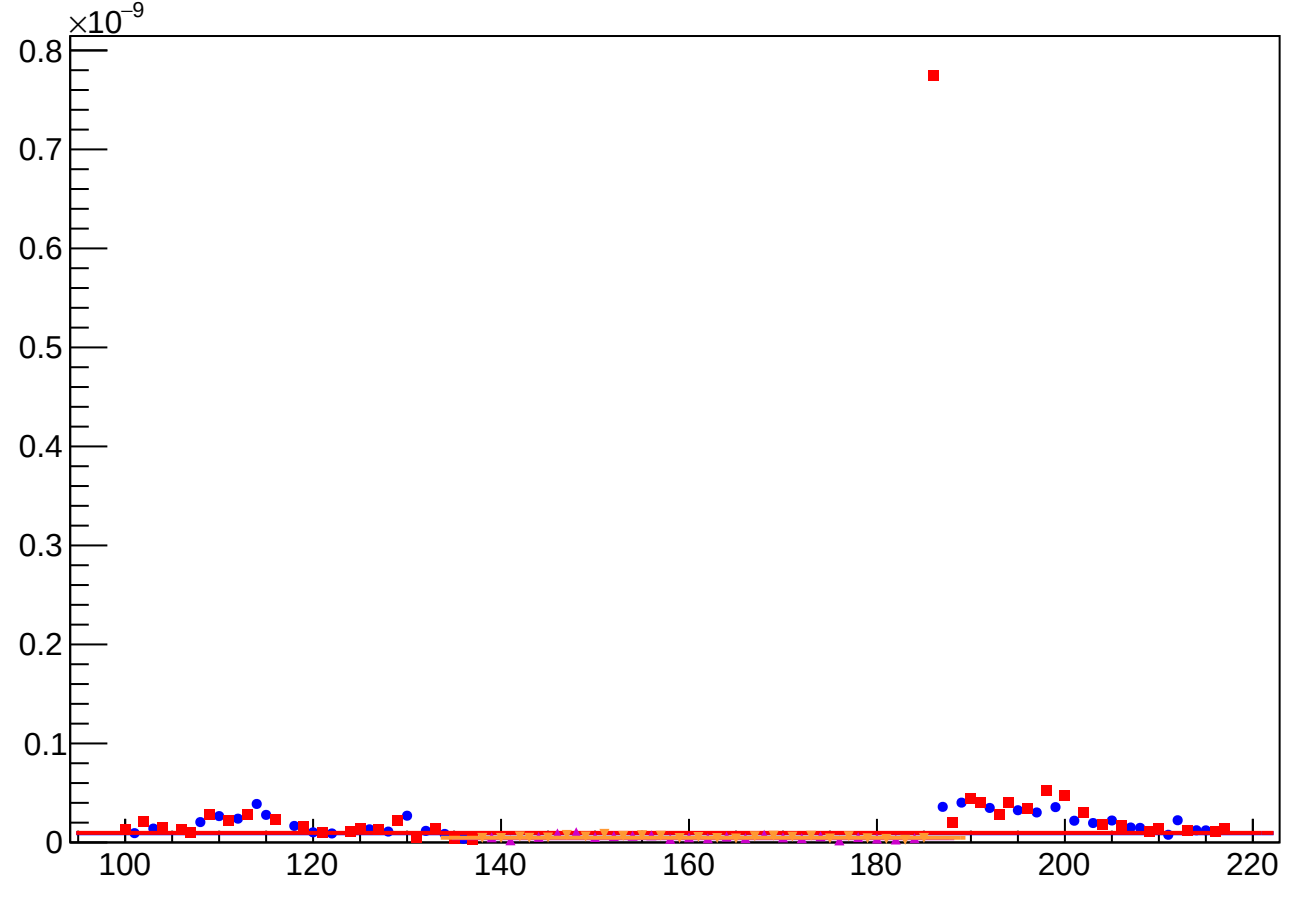
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 53.5/66

In: -0.000+/-0.000 χ^2/NDF:48.1/53

Out: -0.000+/-0.000 χ^2/NDF:42.4/60

All: -0.000+/-0.000 χ^2/NDF: 90.6/114



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: 11291987.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

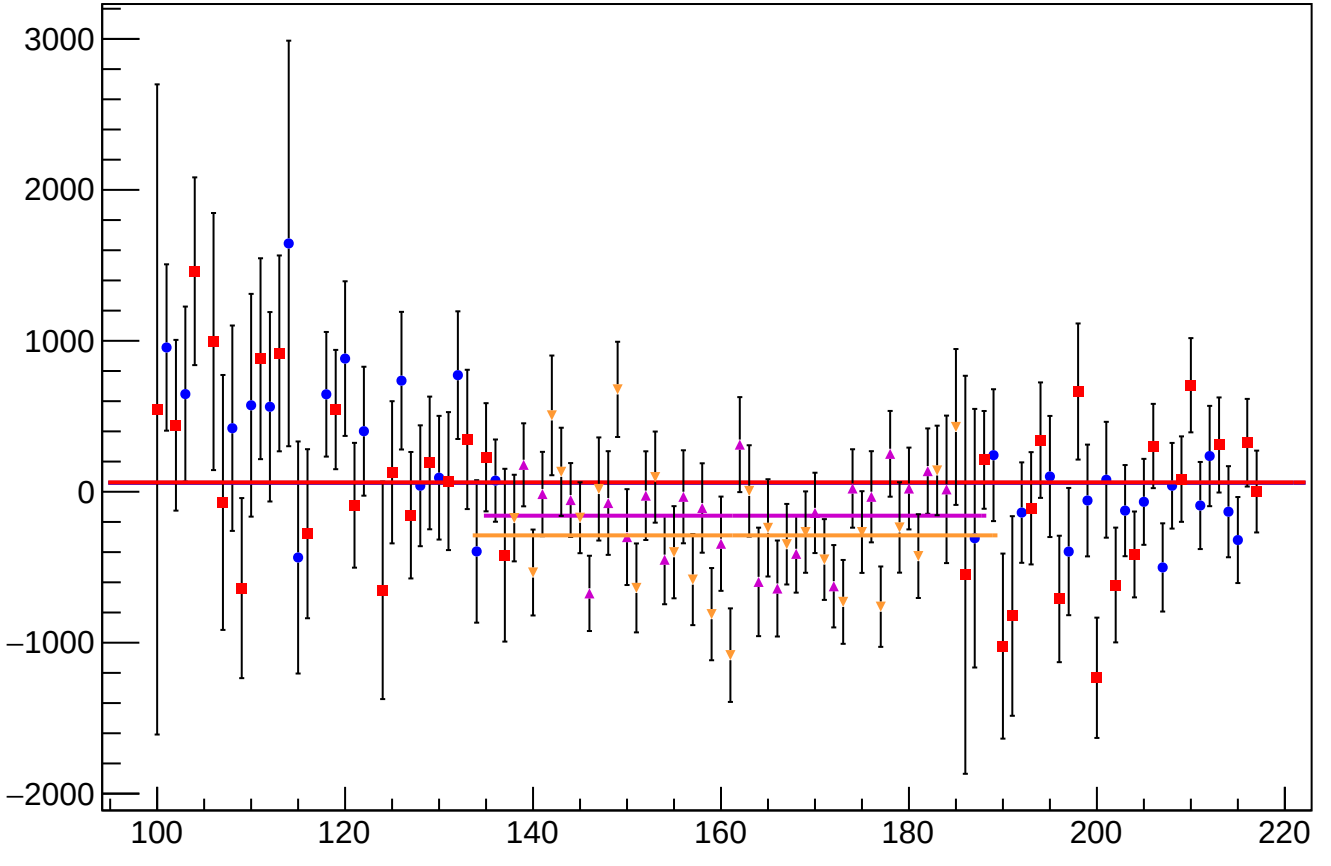
Right: 0.000+/-0.000 χ^2/NDF: 20715406.2/66

In: 0.000+/-0.000 χ^2/NDF:17092547.2/53

Out: 0.000+/-0.000 χ^2/NDF:17187501.7/60

All: 0.000+/-0.000 χ^2/NDF: 34427349.1/114

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: 62.034+/-69.731 χ^2/NDF: 50.4/35

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

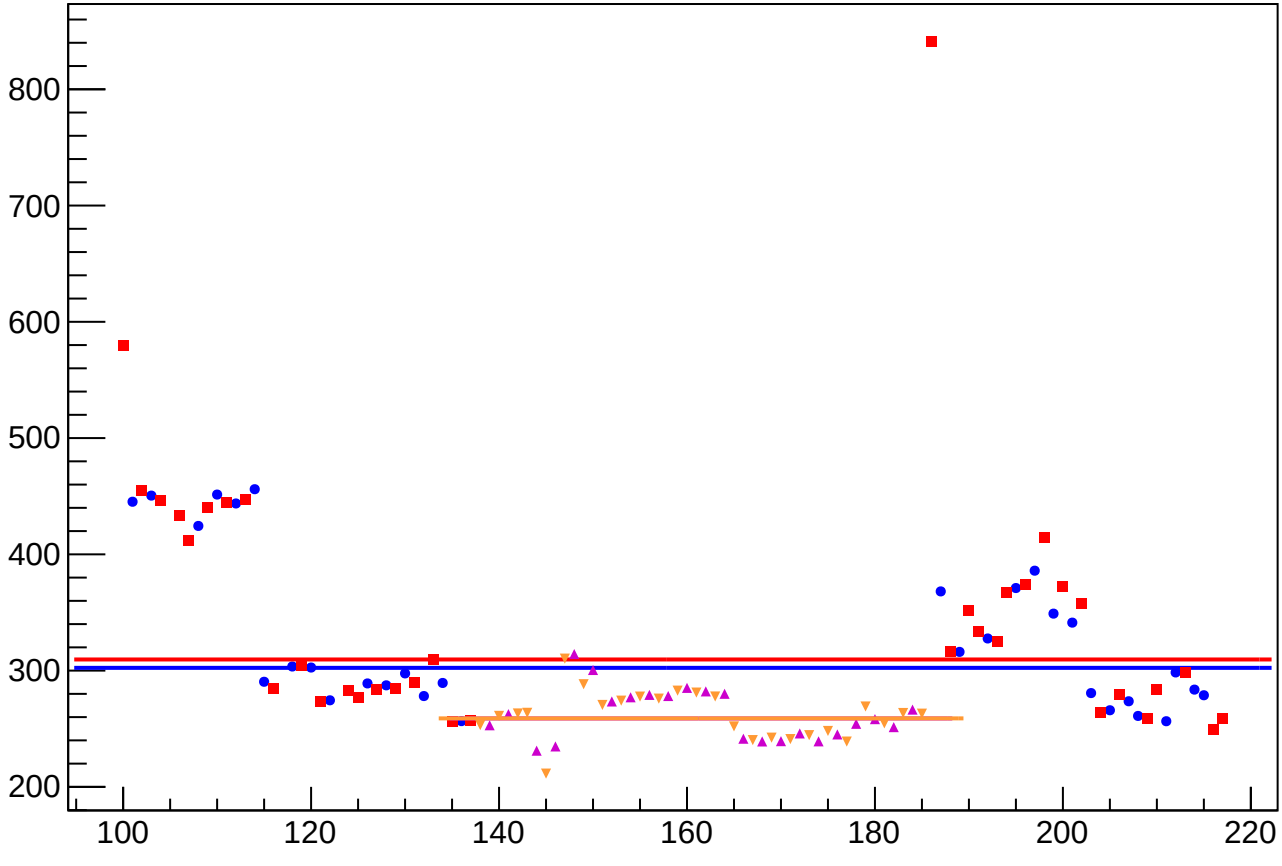
Right: 60.598+/-49.401 χ^2/NDF: 77.5/66

In: -65.122+/-45.862 χ^2/NDF:55.1/53

Out: -142.397+/-45.056 χ^2/NDF:107.6/60

All: -104.444+/-32.141 χ^2/NDF: 164.2/114

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: 309.582+/-0.049 χ^2/NDF: 1647478.7/35

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

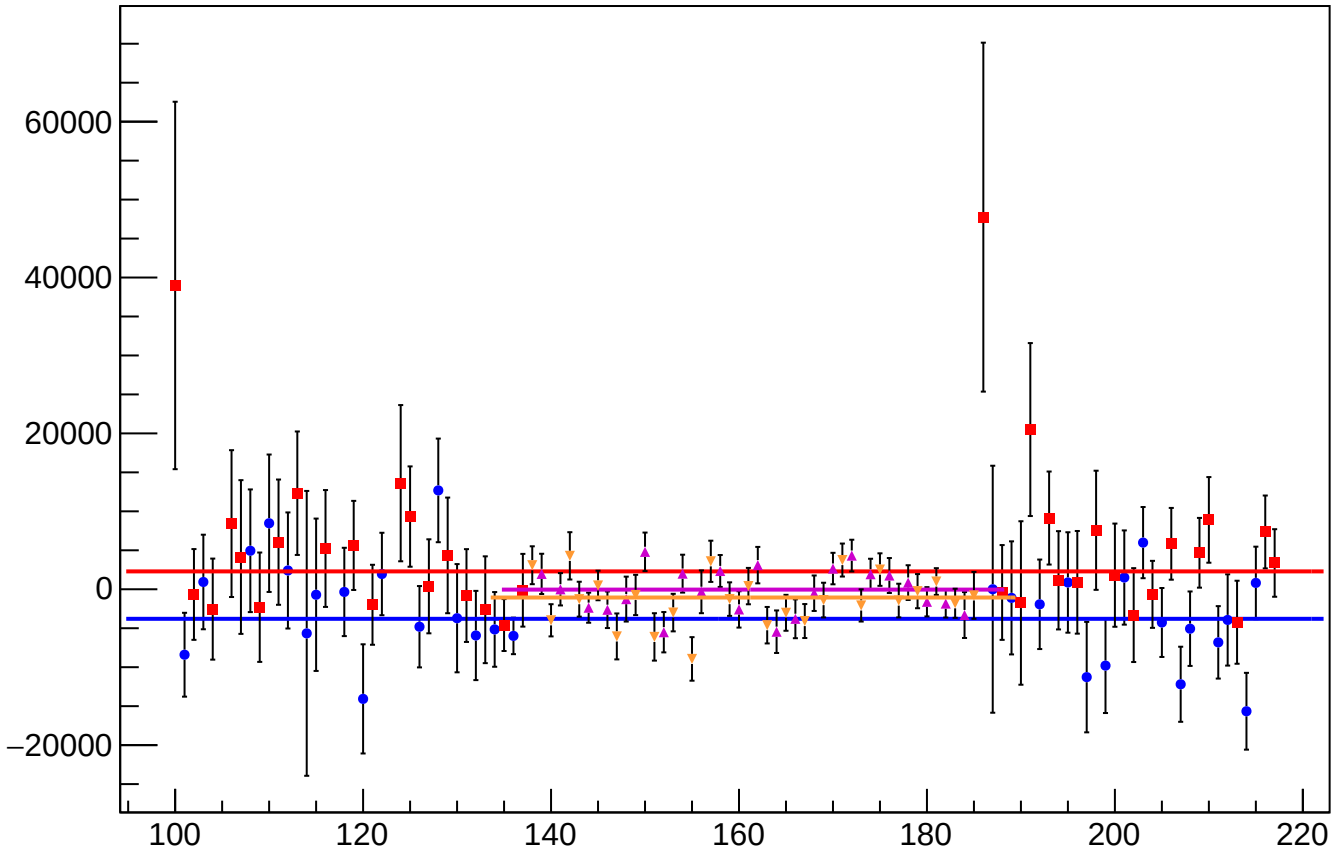
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 305.992+/-0.035 χ^2/NDF: 2667289.4/66

In: 277.531+/-0.032 χ^2/NDF:1695588.7/53

Out: 280.067+/-0.032 χ^2/NDF:2511358.4/60

All: 278.821+/-0.023 χ^2/NDF: 4210059.9/114



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: 2293.124+/-1005.745 χ^2/NDF: 30.5/35

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

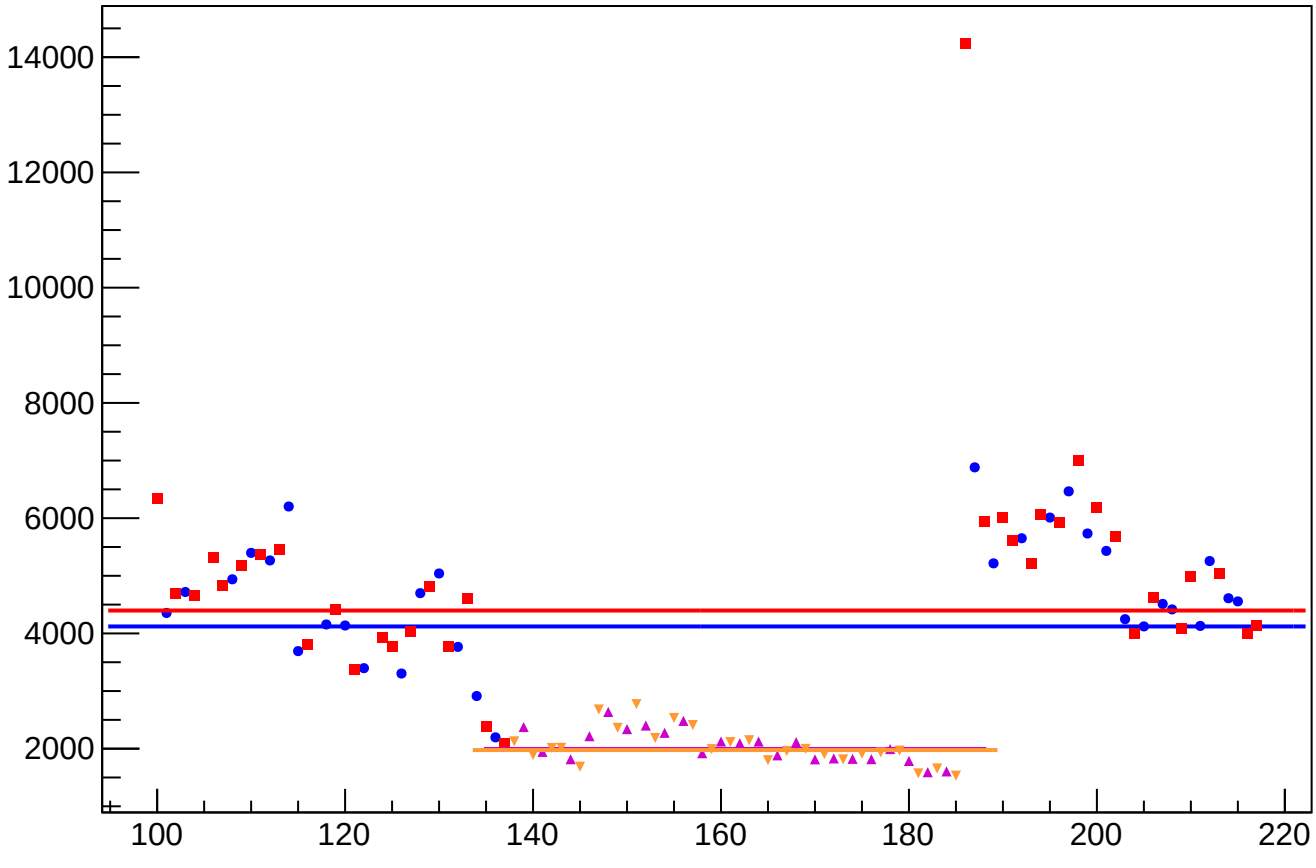
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -835.409+/-701.043 χ^2/NDF: 84.2/66

In: -749.517+/-424.109 χ^2/NDF:81.0/53

Out: -490.404+/-414.288 χ^2/NDF:81.3/60

All: -616.925+/-296.357 χ^2/NDF: 162.4/114



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: 4397.295+/-0.711 χ^2/NDF: 2954566.4/35

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

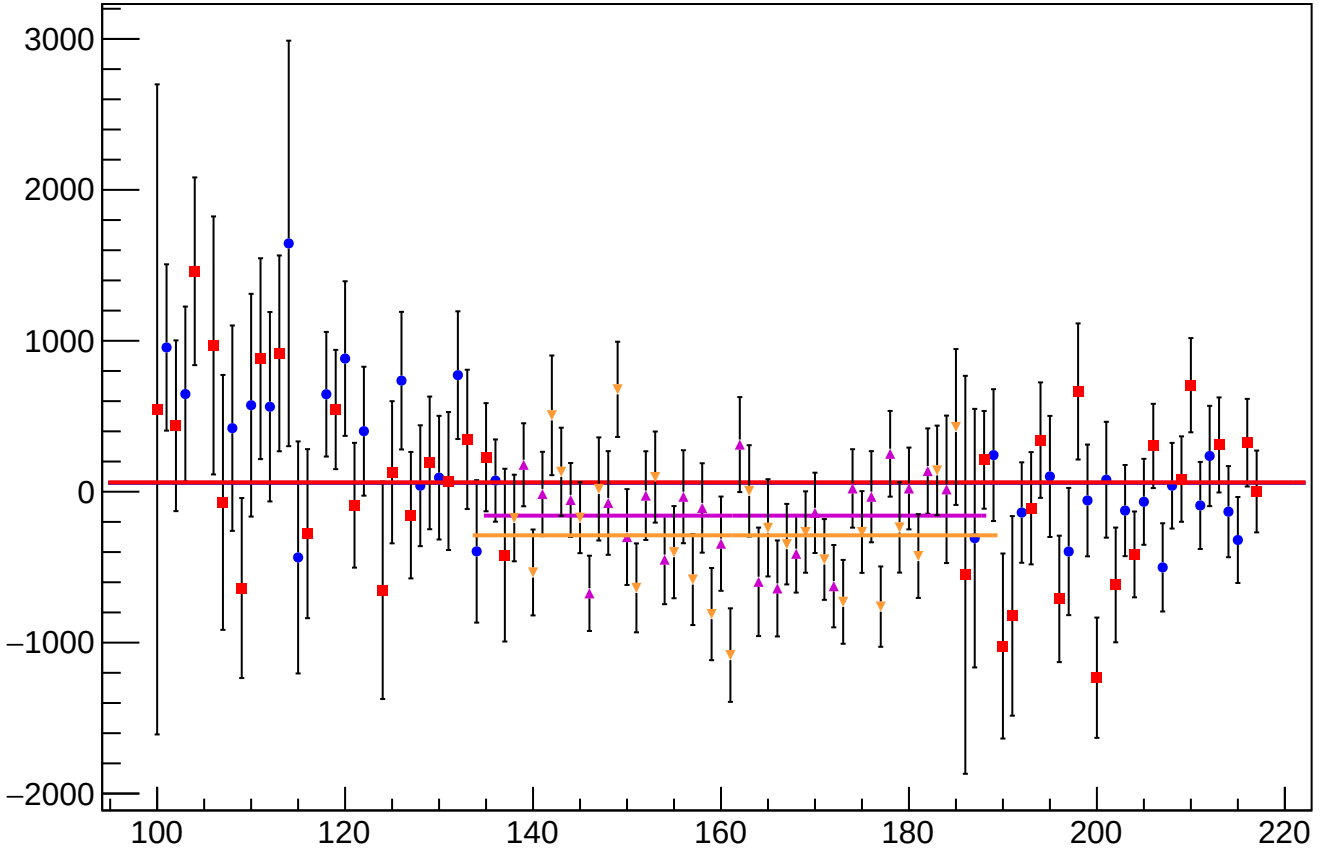
Right: 4255.241+/-0.496 χ^2/NDF: 5824526.8/66

In: 2394.849+/-0.300 χ^2/NDF:11071447.5/53

Out: 2386.817+/-0.293 χ^2/NDF:13343030.8/60

All: 2390.739+/-0.210 χ^2/NDF: 24414845.5/1

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: 61.748+/-69.733 χ^2/NDF: 50.3/35

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

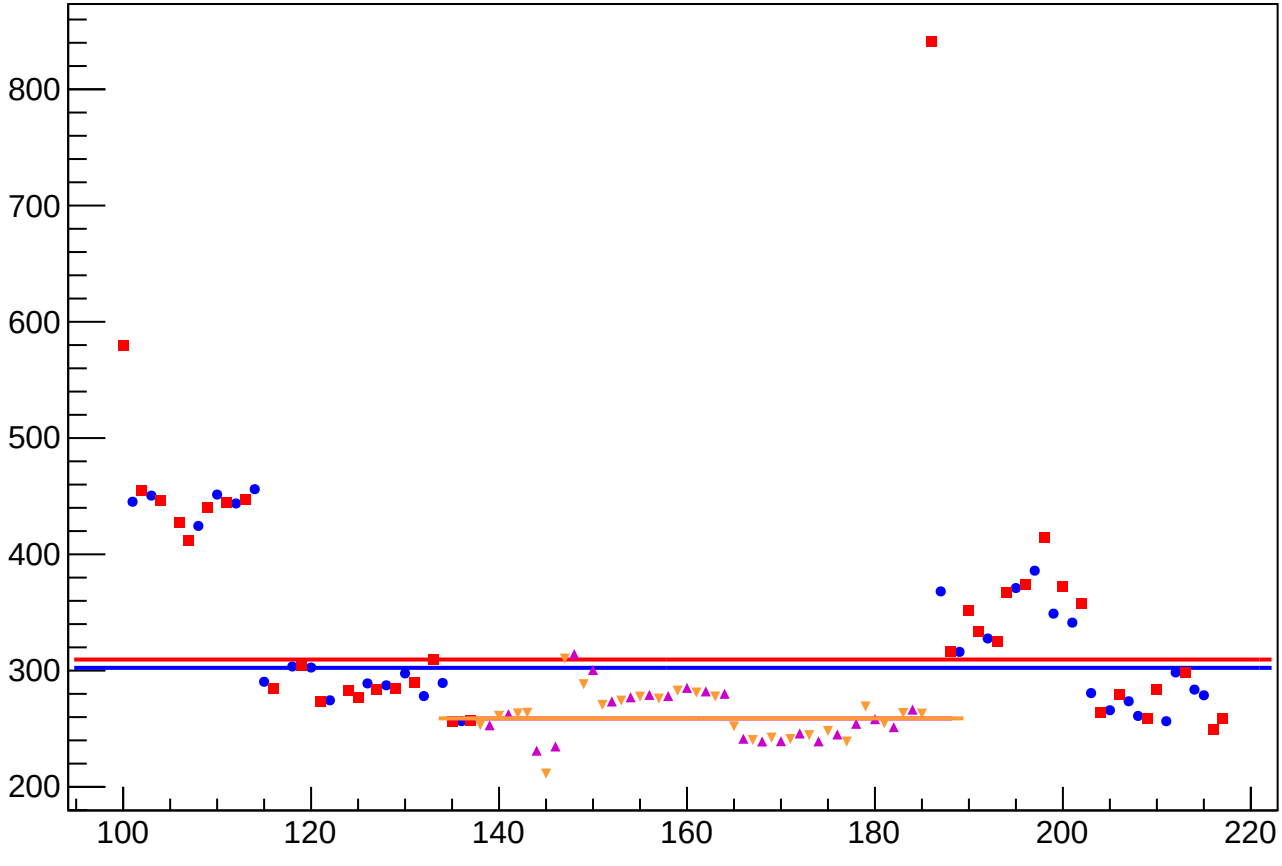
Right: 60.444+/-49.401 χ^2/NDF: 77.4/66

In: -65.138+/-45.862 χ^2/NDF:55.1/53

Out: -142.524+/-45.057 χ^2/NDF:107.5/60

All: -104.516+/-32.141 χ^2/NDF: 164.1/114

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: 309.531+/-0.049 χ^2/NDF: 1642893.4/35

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

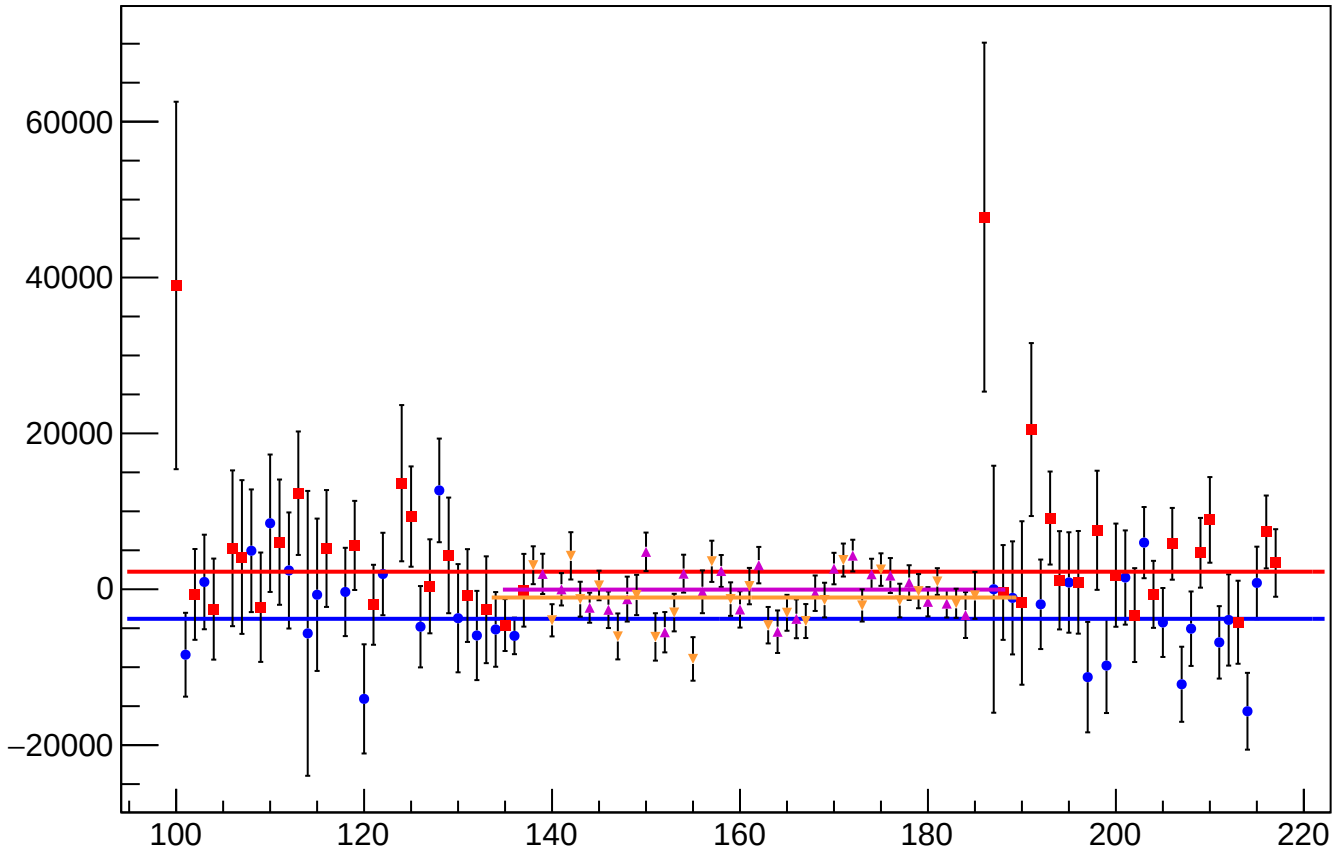
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 305.966+/-0.035 χ^2/NDF: 2662556.6/66

In: 277.531+/-0.032 χ^2/NDF:1695590.3/53

Out: 280.045+/-0.032 χ^2/NDF:2505525.1/60

All: 278.810+/-0.023 χ^2/NDF: 4204174.7/114



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: 2253.513+/-1006.401 χ^2/NDF: 30.2/35

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

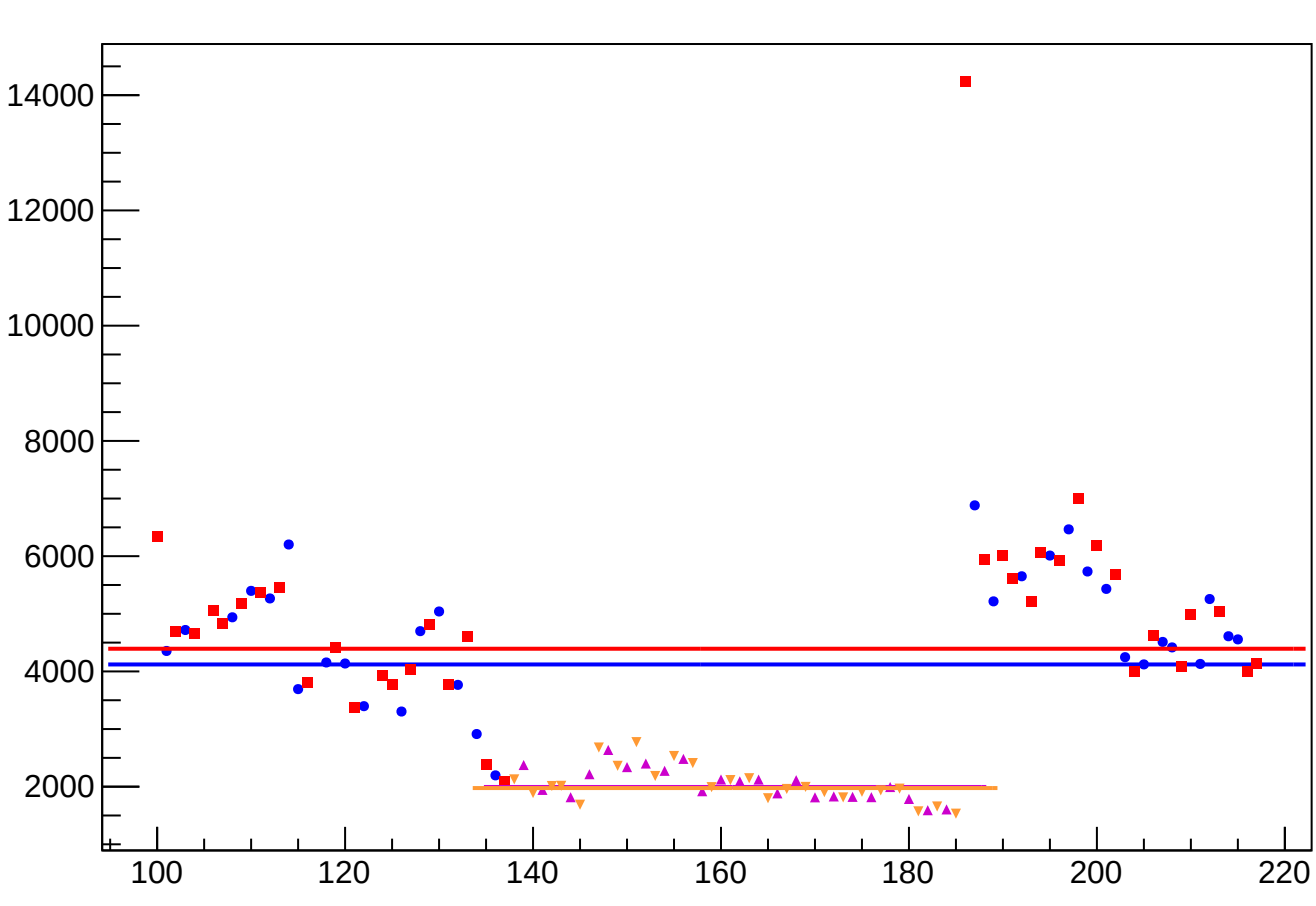
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -856.607+/-701.266 χ^2/NDF: 83.6/66

In: -749.508+/-424.109 χ^2/NDF:81.0/53

Out: -497.735+/-414.334 χ^2/NDF:80.7/60

All: -620.687+/-296.374 χ^2/NDF: 161.9/114



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: 4393.707+/-0.712 χ^2/NDF: 2944742.2/35

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

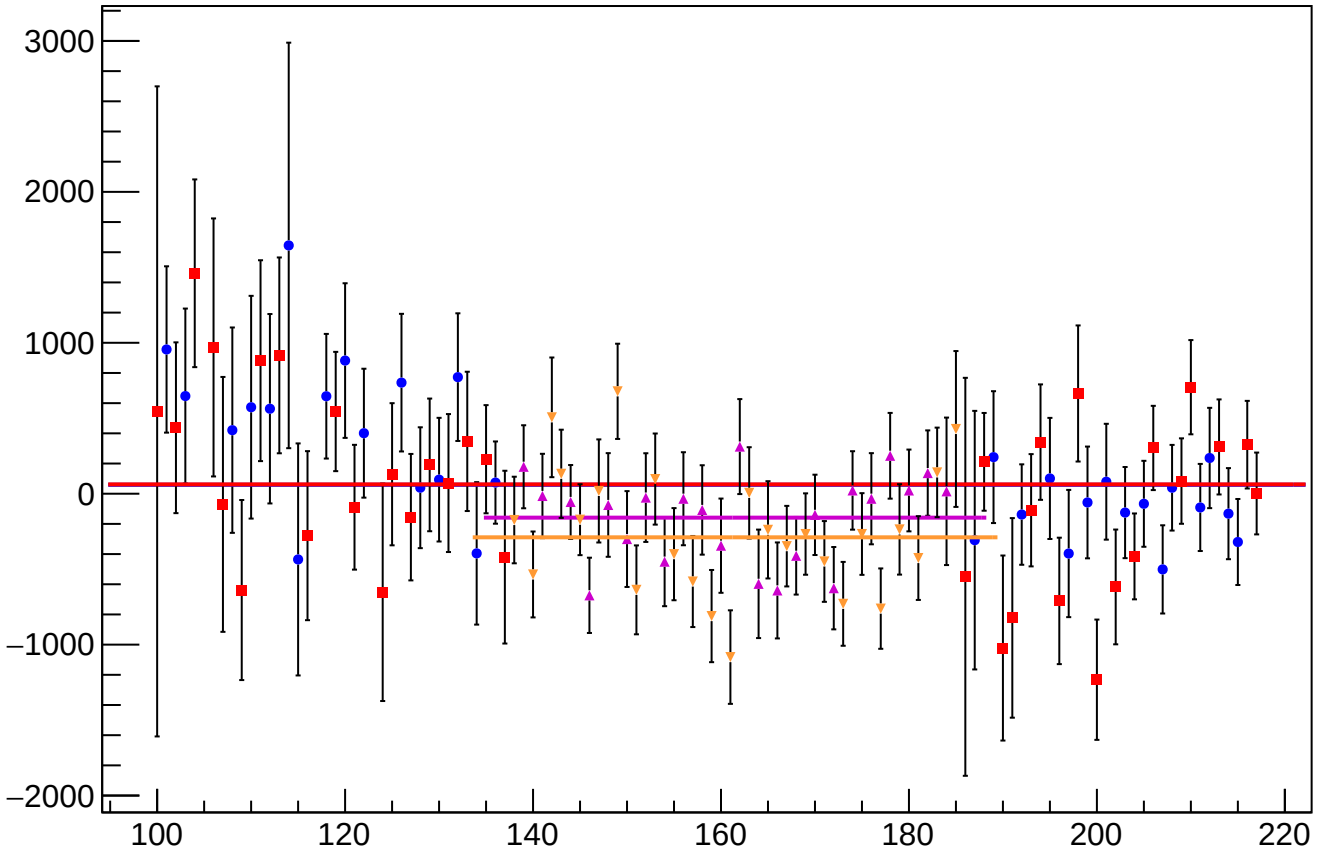
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4253.411+/-0.496 χ^2/NDF: 5812655.0/66

In: 2394.850+/-0.300 χ^2/NDF:11071466.3/53

Out: 2385.764+/-0.293 χ^2/NDF:13294318.5/60

All: 2390.201+/-0.210 χ^2/NDF: 24366254.4/1



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: 61.748+/-69.733 χ^2/NDF: 50.3/35

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

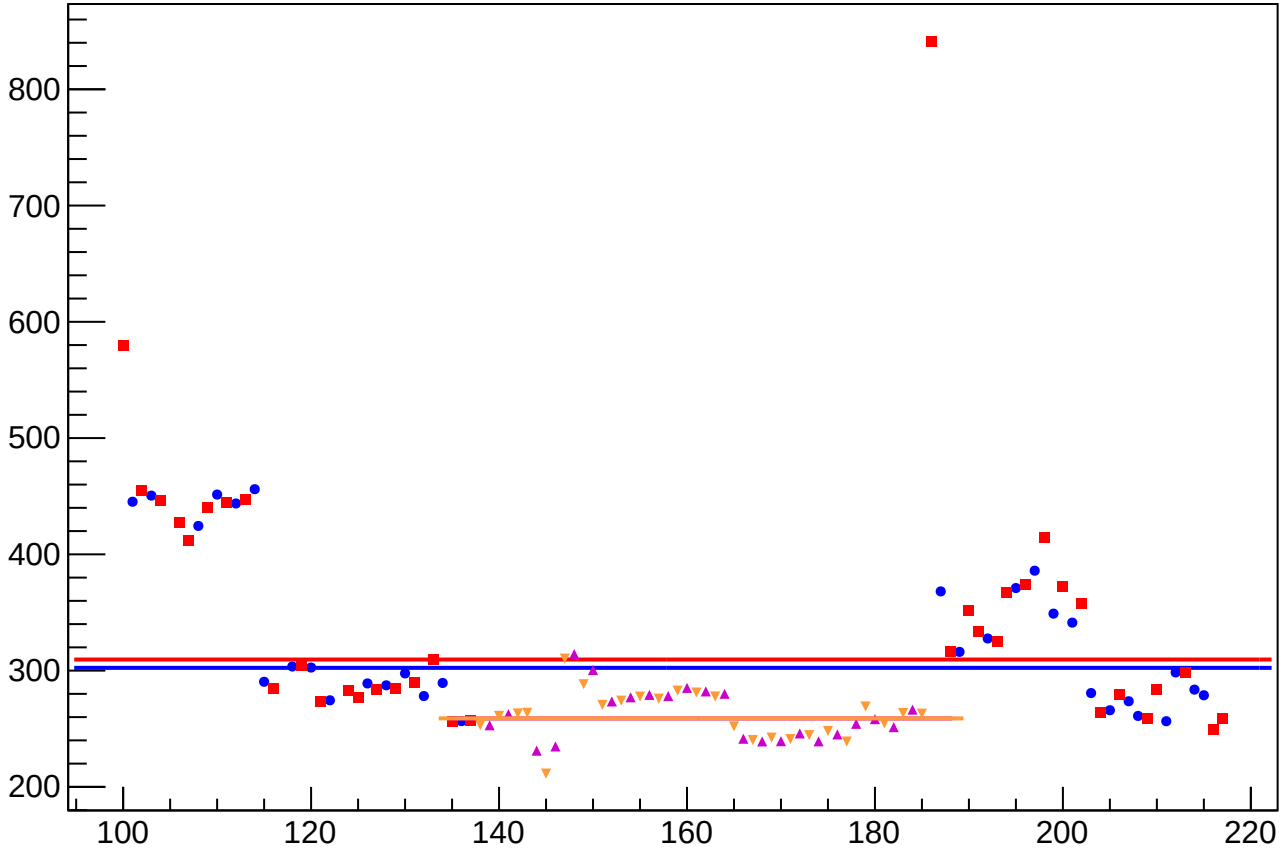
Right: 60.444+/-49.401 χ^2/NDF: 77.4/66

In: -65.138+/-45.862 χ^2/NDF:55.1/53

Out: -142.524+/-45.057 χ^2/NDF:107.5/60

All: -104.516+/-32.141 χ^2/NDF: 164.1/114

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: 309.531+/-0.049 χ^2/NDF: 1642893.4/35

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

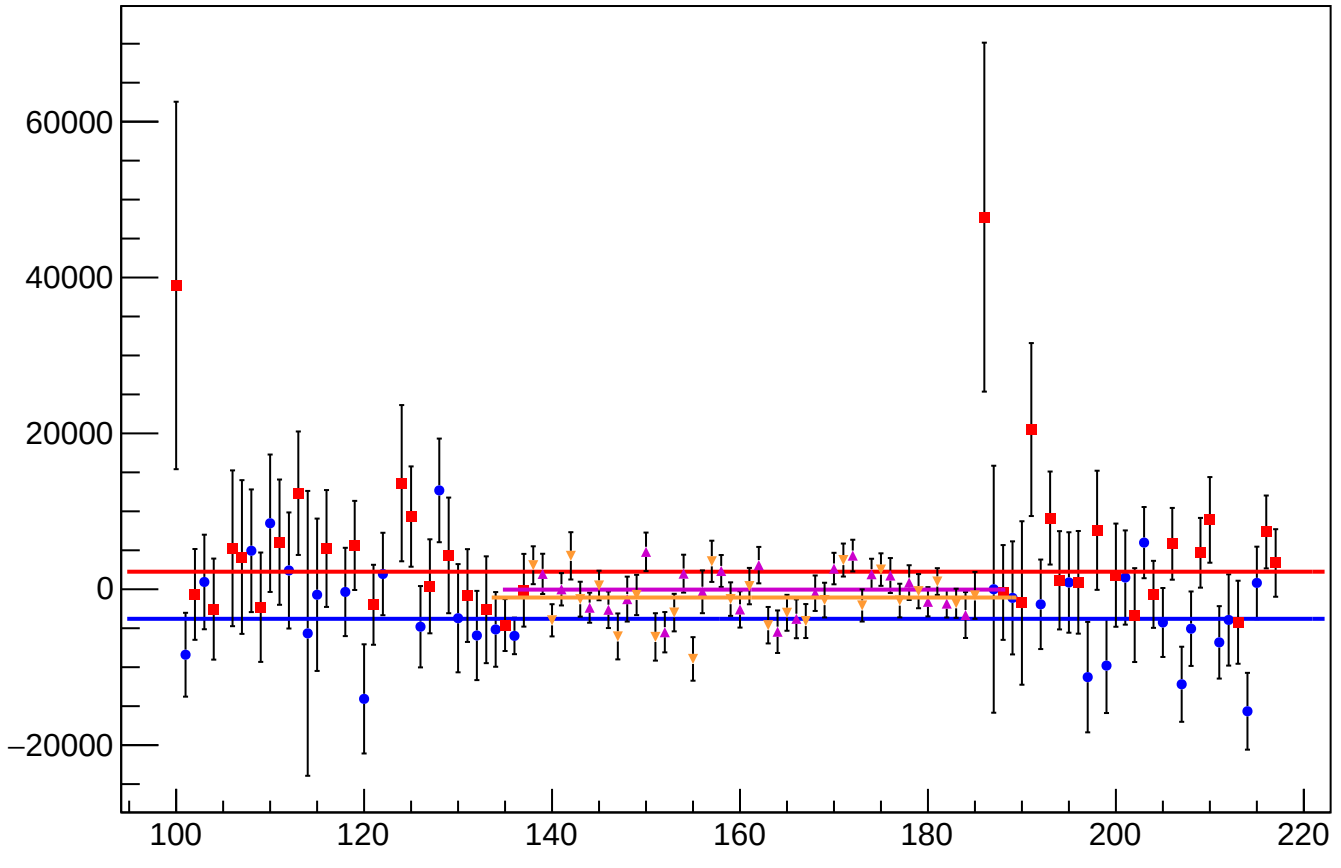
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 305.966+/-0.035 χ^2/NDF: 2662556.6/66

In: 277.531+/-0.032 χ^2/NDF:1695590.3/53

Out: 280.045+/-0.032 χ^2/NDF:2505525.1/60

All: 278.810+/-0.023 χ^2/NDF: 4204174.7/114



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: 2253.513+/-1006.401 χ^2/NDF: 30.2/35

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

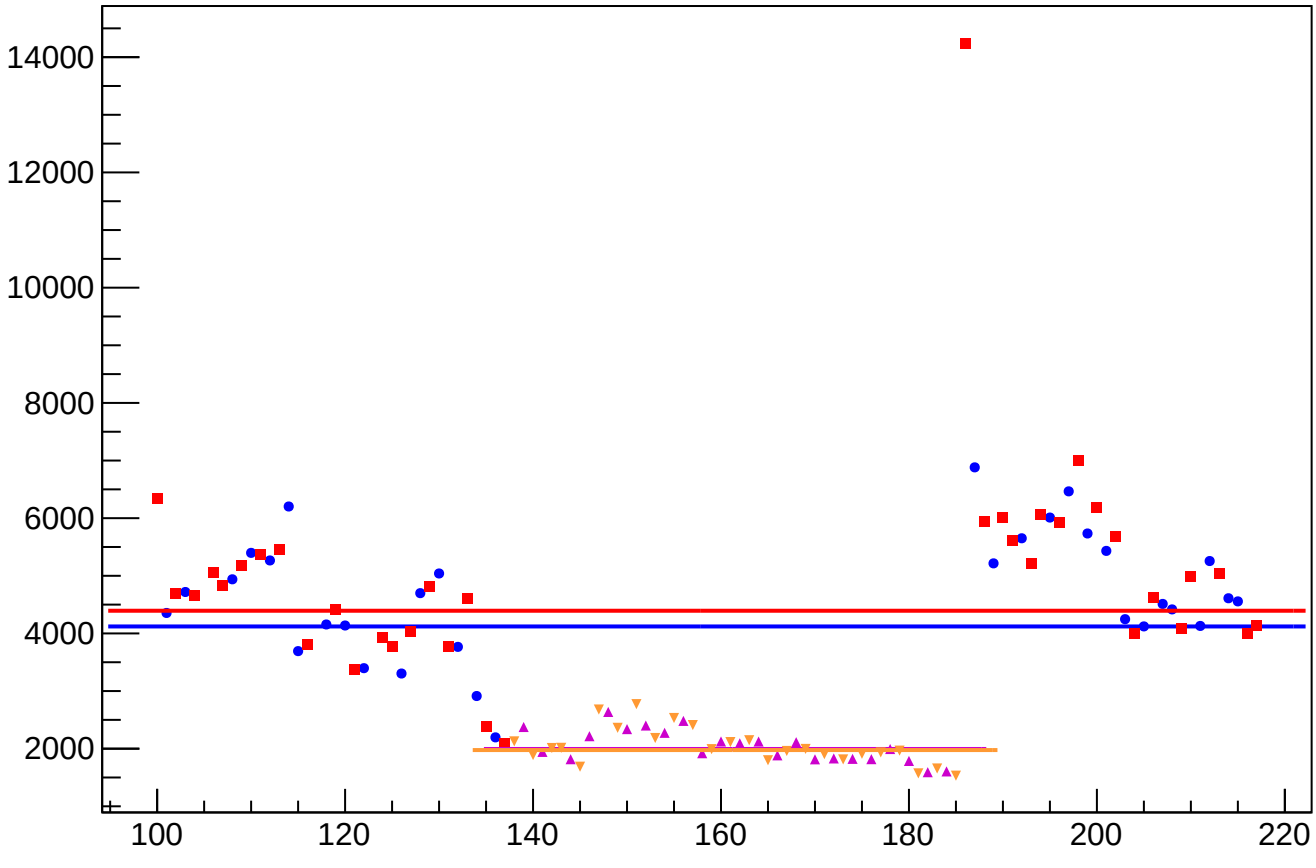
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -856.607+/-701.266 χ^2/NDF: 83.6/66

In: -749.508+/-424.109 χ^2/NDF:81.0/53

Out: -497.735+/-414.334 χ^2/NDF:80.7/60

All: -620.687+/-296.374 χ^2/NDF: 161.9/114



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: 4393.707+/-0.712 χ^2/NDF: 2944742.2/35

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

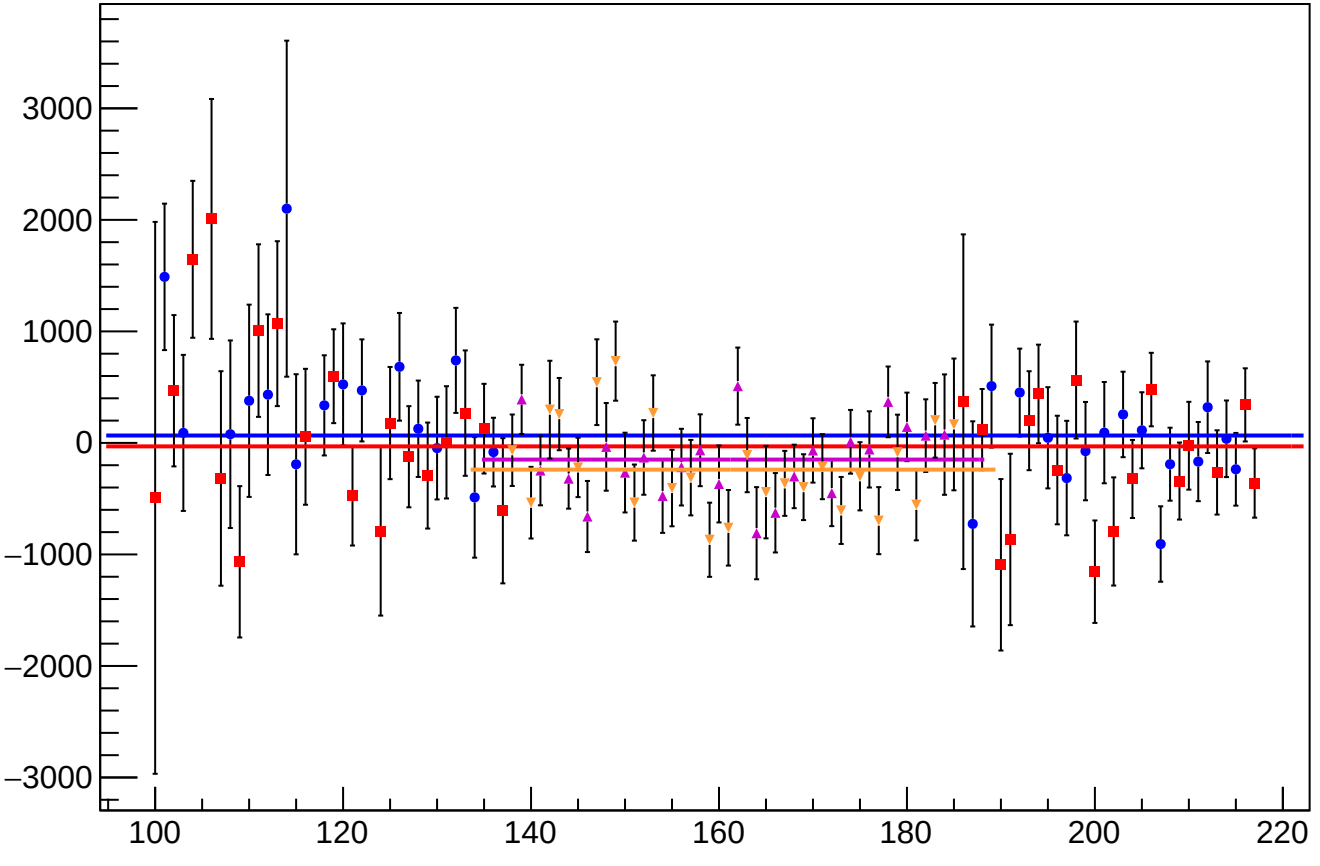
Right: 4253.411+/-0.496 χ^2/NDF: 5812655.0/66

In: 2394.850+/-0.300 χ^2/NDF:11071466.3/53

Out: 2385.764+/-0.293 χ^2/NDF:13294318.5/60

All: 2390.201+/-0.210 χ^2/NDF: 24366254.4/

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 66.307+/-81.184 χ^2/NDF: 27.7/30

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -31.025+/-80.772 χ^2/NDF: 43.6/35

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

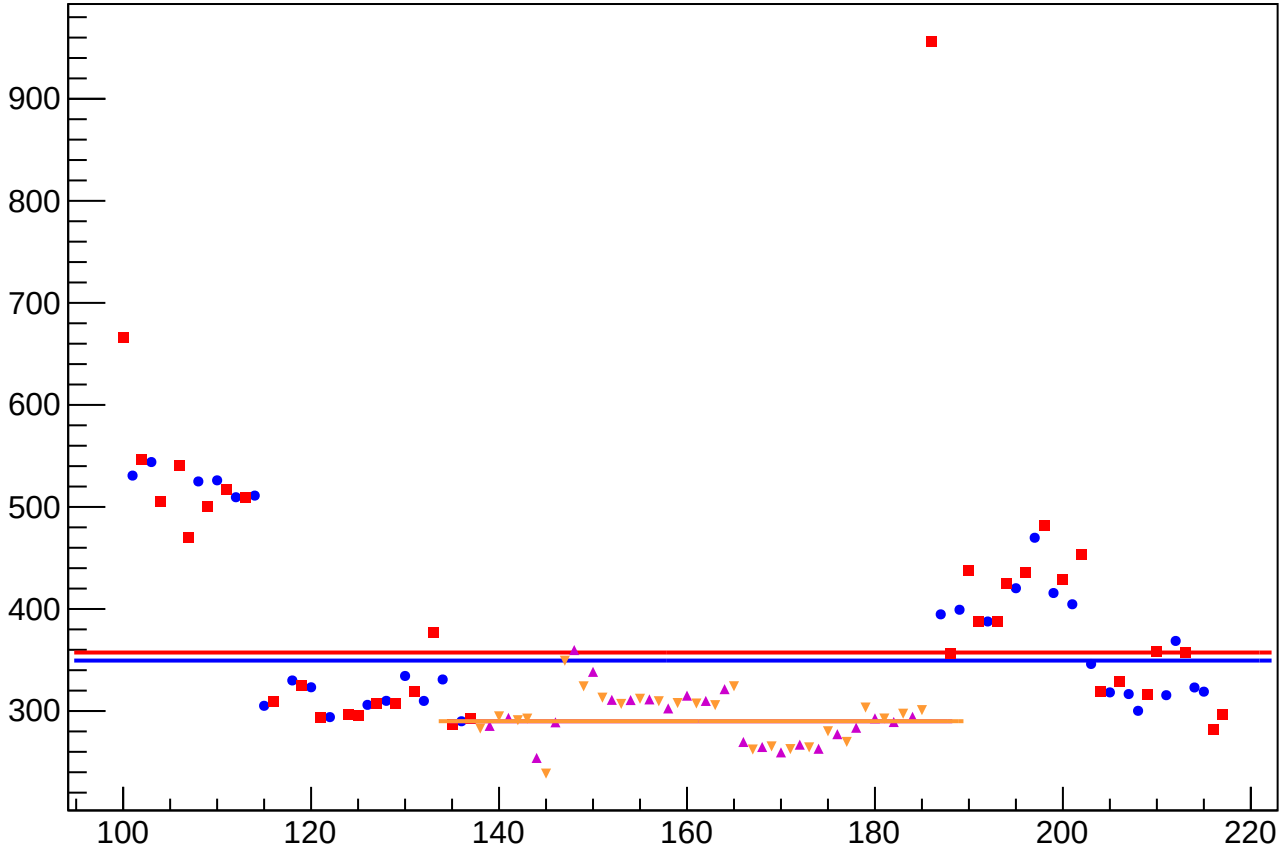
Right: 17.393+/-57.259 χ^2/NDF: 72.1/66

In: -60.285+/-52.201 χ^2/NDF:53.6/53

Out: -155.810+/-51.185 χ^2/NDF:81.7/60

All: -108.986+/-36.547 χ^2/NDF: 137.0/114

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: 357.334+/-0.057 χ^2/NDF: 1808626.0/35

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

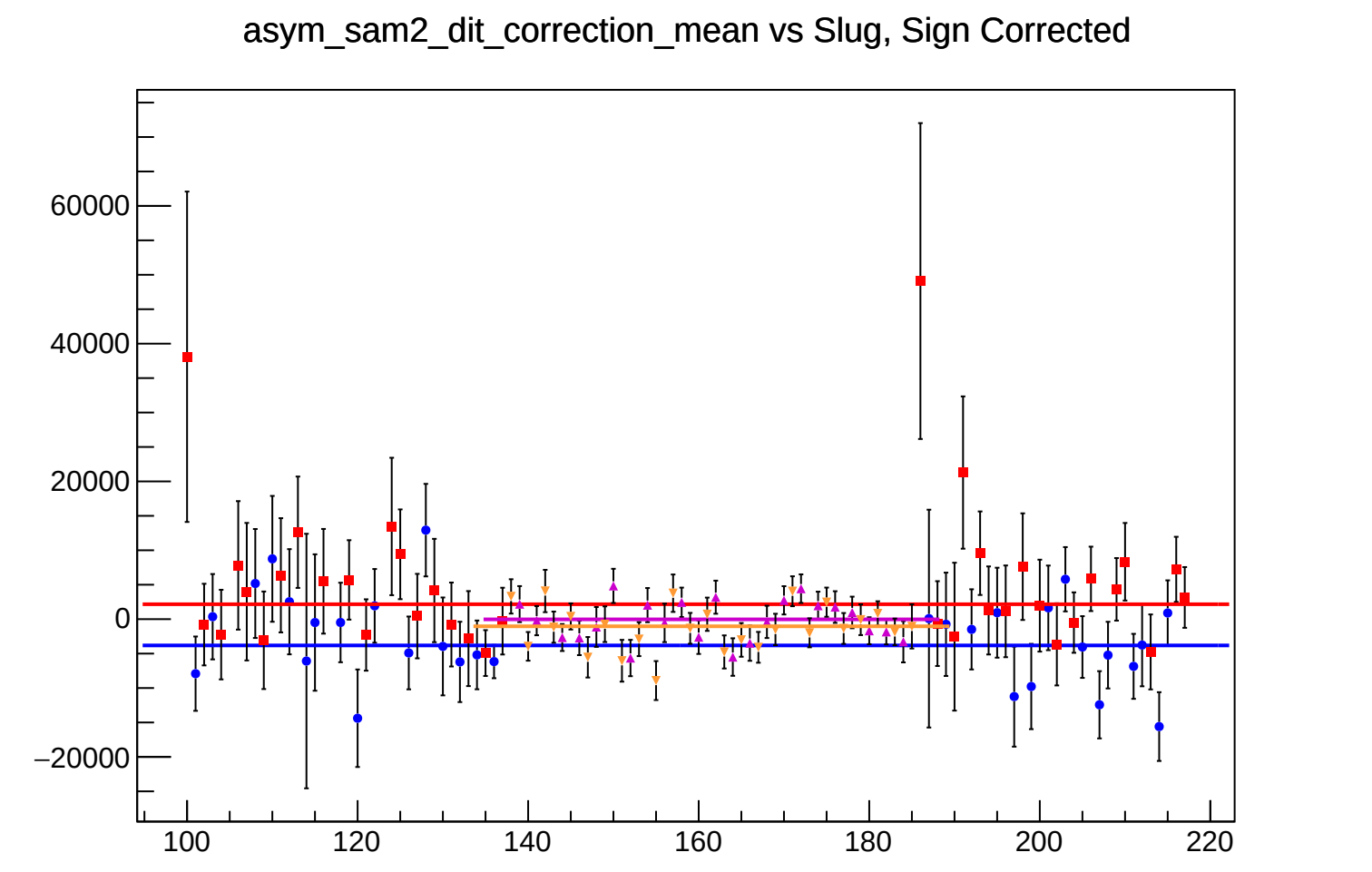
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 353.412+/-0.040 χ^2/NDF: 2994320.4/66

In: 314.545+/-0.037 χ^2/NDF:2076183.9/53

Out: 317.054+/-0.036 χ^2/NDF:2920442.8/60

All: 315.824+/-0.026 χ^2/NDF: 4998982.3/114



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: 2166.305+/-1018.897 χ^2/NDF: 31.2/35

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

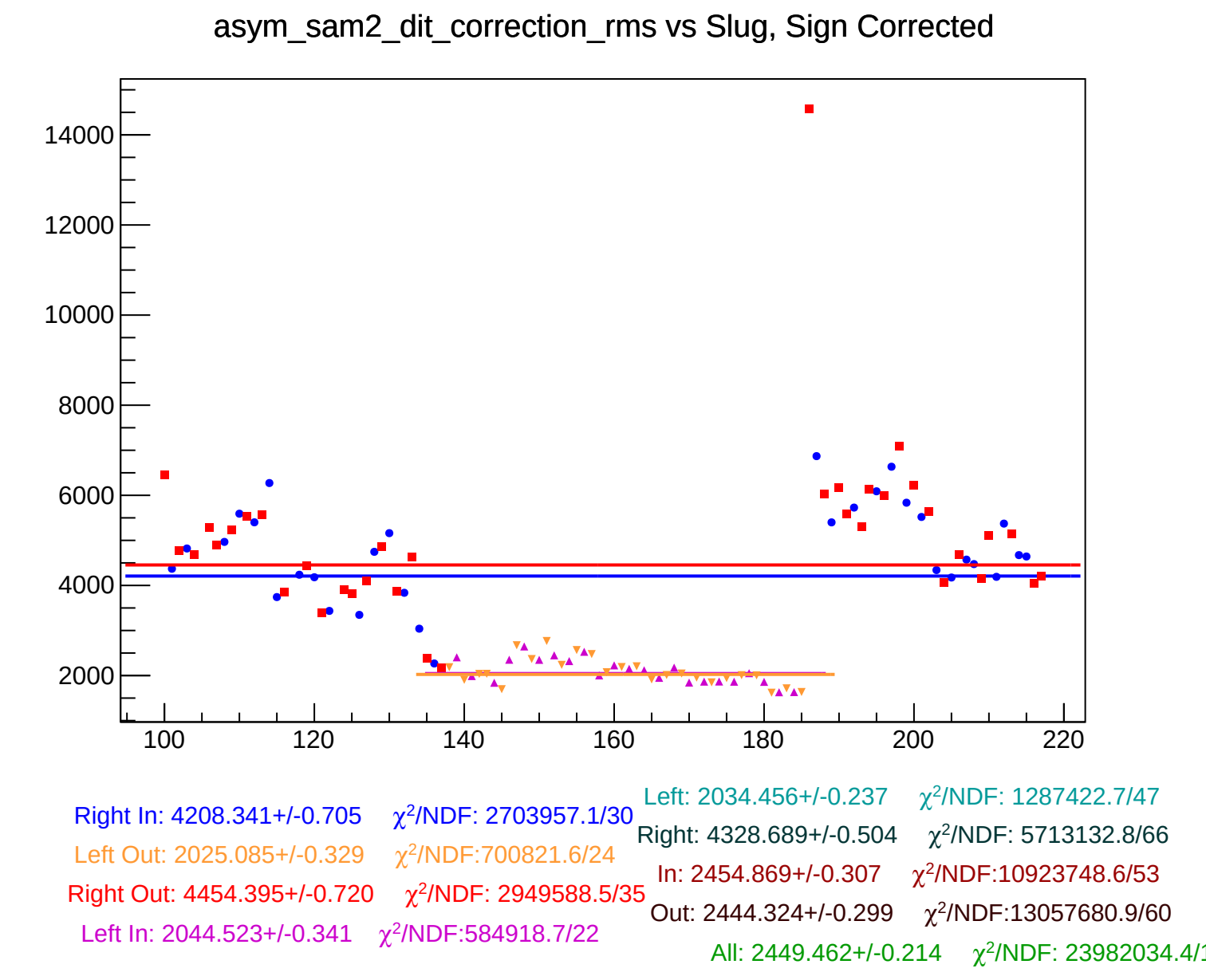
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

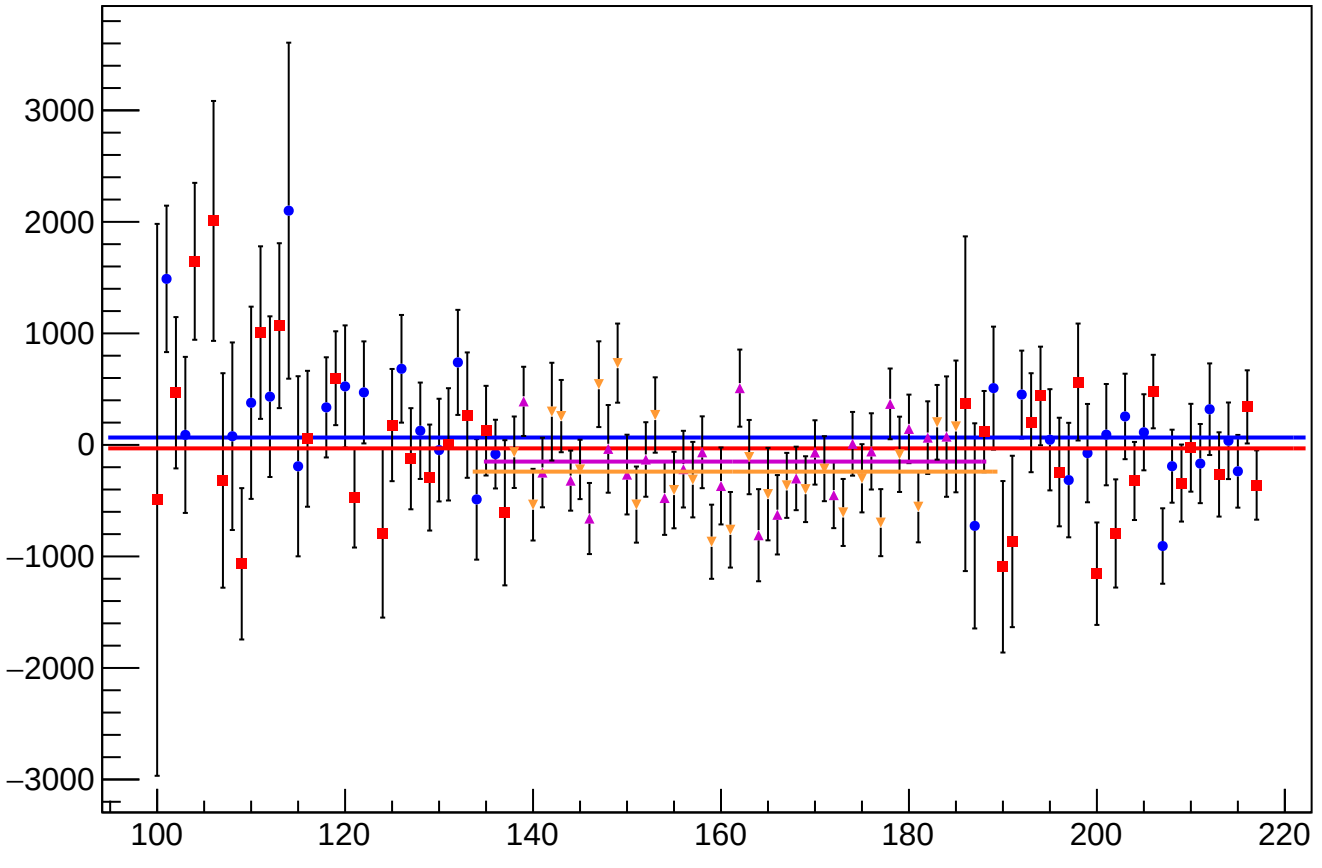
Right: -890.071+/-712.583 χ^2/NDF: 83.1/66

In: -748.333+/-434.149 χ^2/NDF:80.1/53

Out: -483.851+/-423.272 χ^2/NDF:79.6/60

All: -612.738+/-303.071 χ^2/NDF: 159.9/114


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4208.341+/-0.705 χ²/NDF: 2703957.1/30
Left Out: 2025.085+/-0.329 χ²/NDF:700821.6/24
Right Out: 4454.395+/-0.720 χ²/NDF: 2949588.5/35
Left In: 2044.523+/-0.341 χ²/NDF:584918.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287422.7/47
Right: 4328.689+/-0.504 χ²/NDF: 5713132.8/66
In: 2454.869+/-0.307 χ²/NDF:10923748.6/53
Out: 2444.324+/-0.299 χ²/NDF:13057680.9/60
All: 2449.462+/-0.214 χ²/NDF: 23982034.4/



Right In: 66.314+/-81.184 χ^2/NDF: 27.7/30

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -31.027+/-80.772 χ^2/NDF: 43.6/35

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

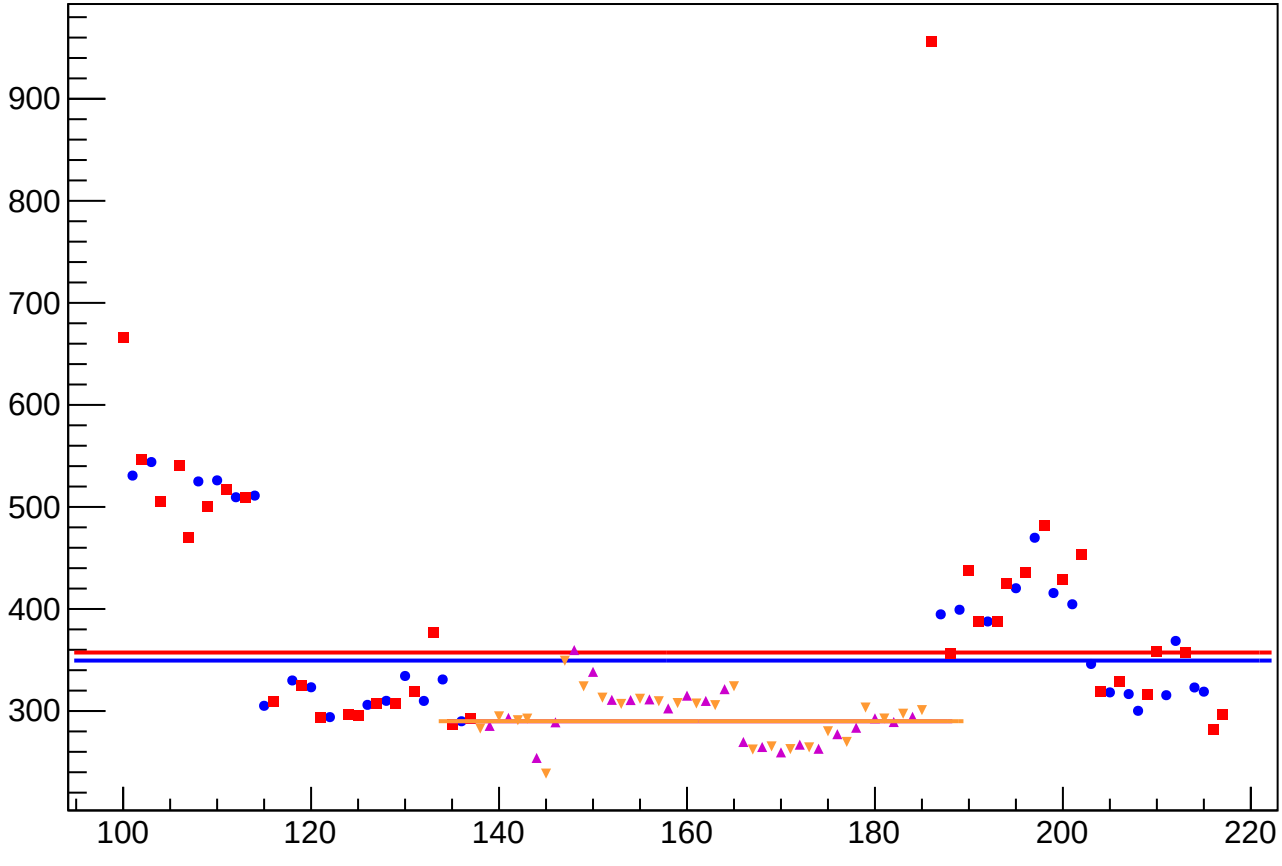
Right: 17.396+/-57.259 χ^2/NDF: 72.1/66

In: -60.282+/-52.201 χ^2/NDF:53.6/53

Out: -155.813+/-51.185 χ^2/NDF:81.7/60

All: -108.986+/-36.547 χ^2/NDF: 137.0/114

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 349.449+/-0.057 χ^2/NDF: 1176209.0/30

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 357.334+/-0.057 χ^2/NDF: 1808613.6/35

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

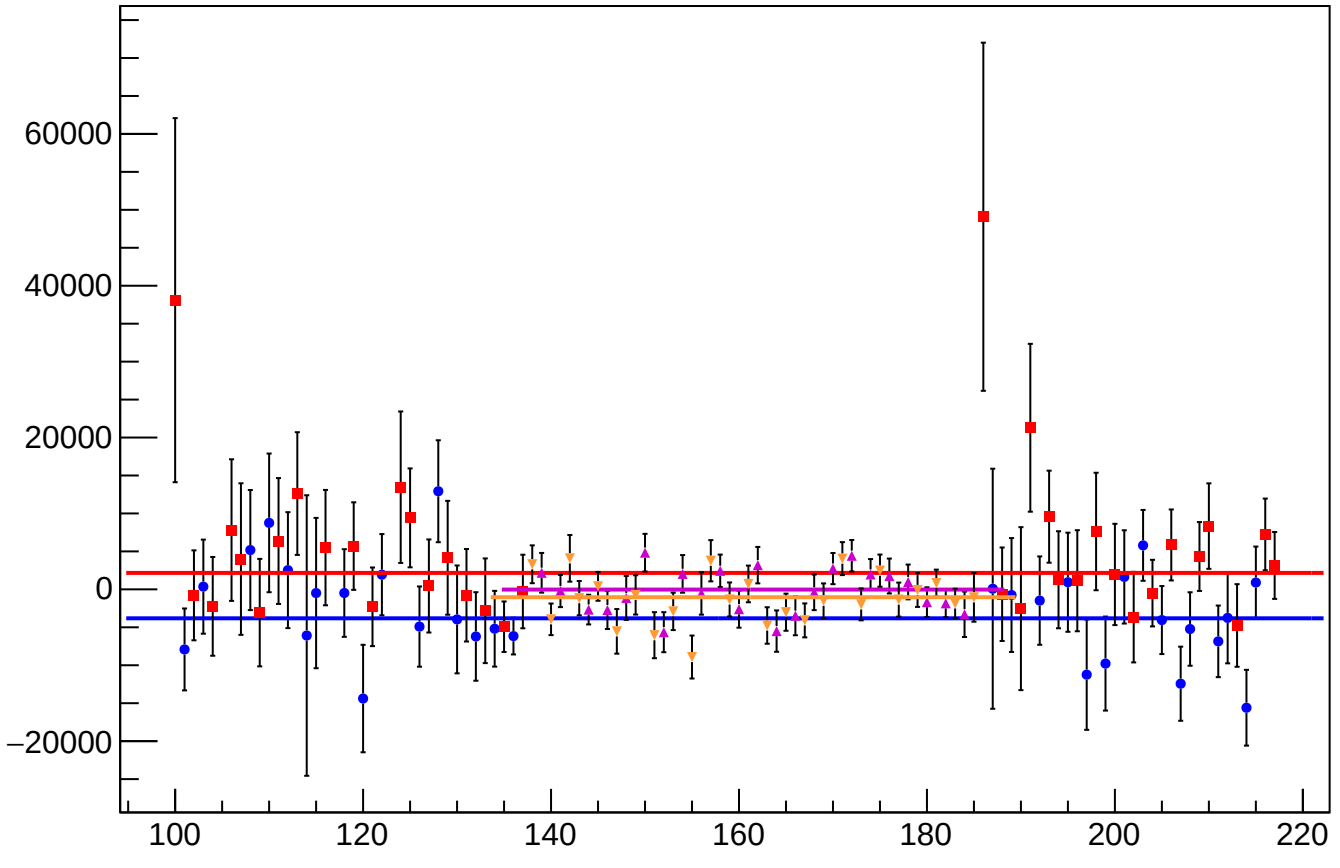
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 353.411+/-0.040 χ^2/NDF: 2994304.0/66

In: 314.544+/-0.037 χ^2/NDF:2076168.3/53

Out: 317.054+/-0.036 χ^2/NDF:2920428.0/60

All: 315.824+/-0.026 χ^2/NDF: 4998952.3/114



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: 2166.302+/-1018.897 χ^2/NDF: 31.2/35

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

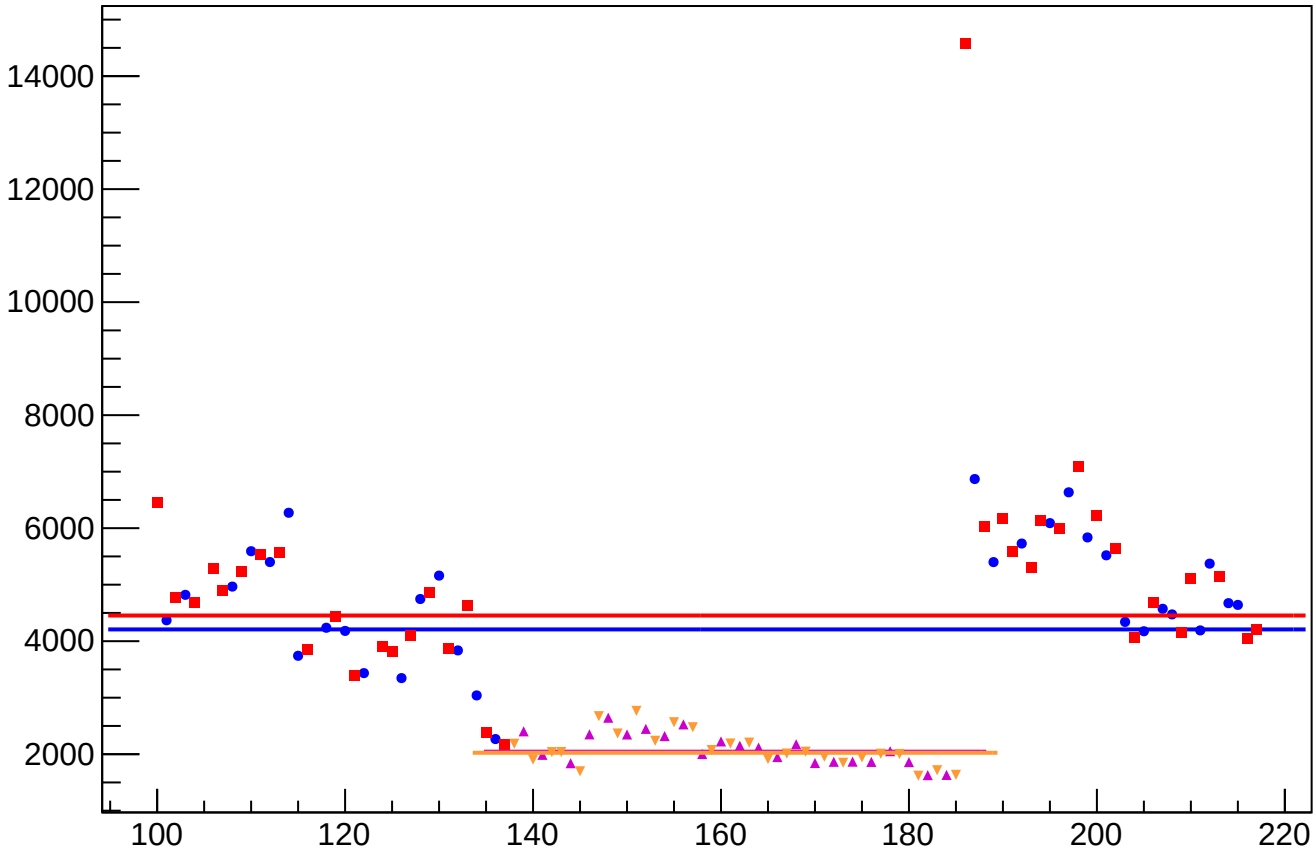
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -890.070+/-712.583 χ^2/NDF: 83.1/66

In: -748.332+/-434.149 χ^2/NDF:80.1/53

Out: -483.851+/-423.272 χ^2/NDF:79.6/60

All: -612.737+/-303.071 χ^2/NDF: 159.9/114



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: 4454.393+/-0.720 χ^2/NDF: 2949583.2/35

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

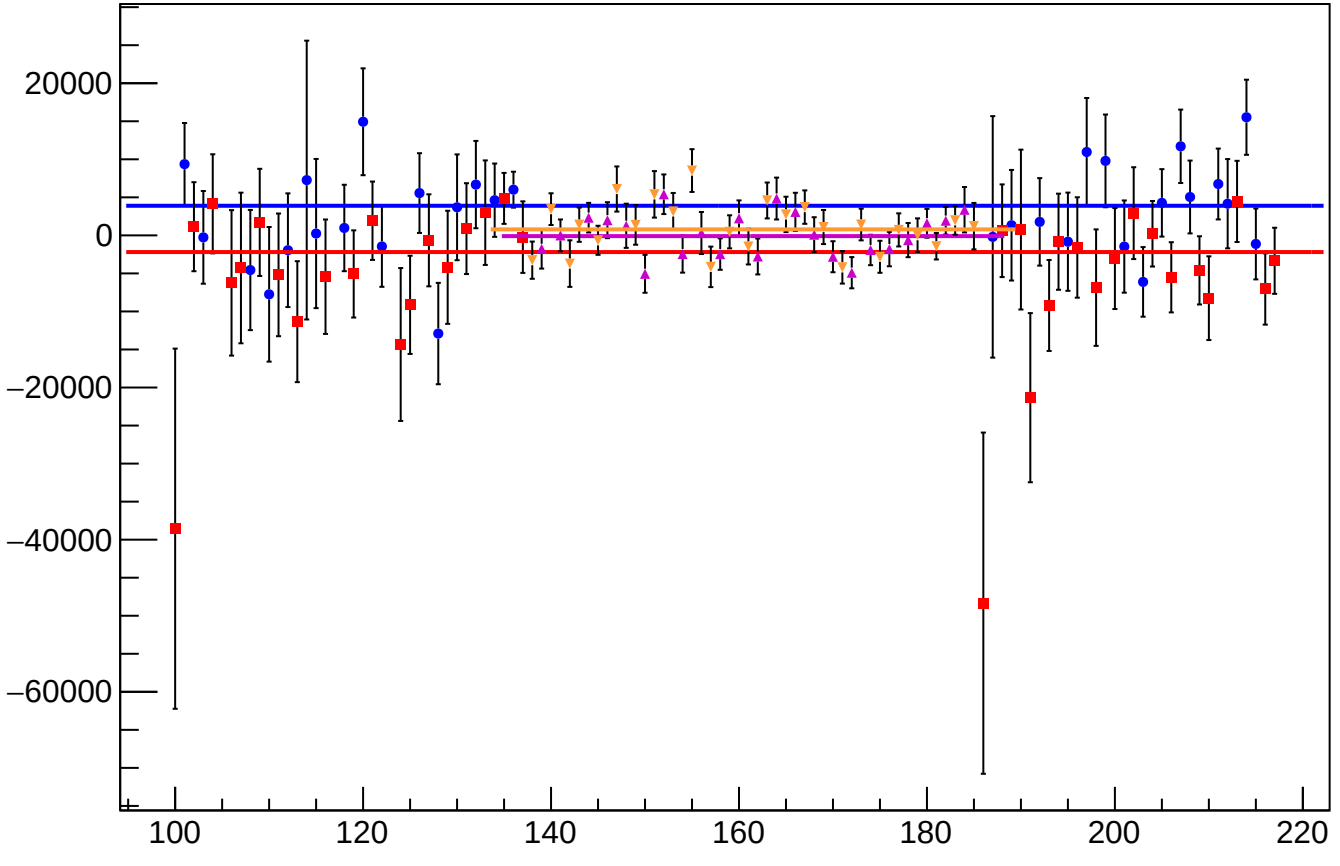
Right: 4328.687+/-0.504 χ^2/NDF: 5713120.5/66

In: 2454.868+/-0.307 χ^2/NDF:10923739.5/53

Out: 2444.324+/-0.299 χ^2/NDF:13057669.9/60

All: 2449.462+/-0.214 χ^2/NDF: 23982014.3/1

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: -2191.650+/-1008.888 χ^2/NDF: 30.0/35

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

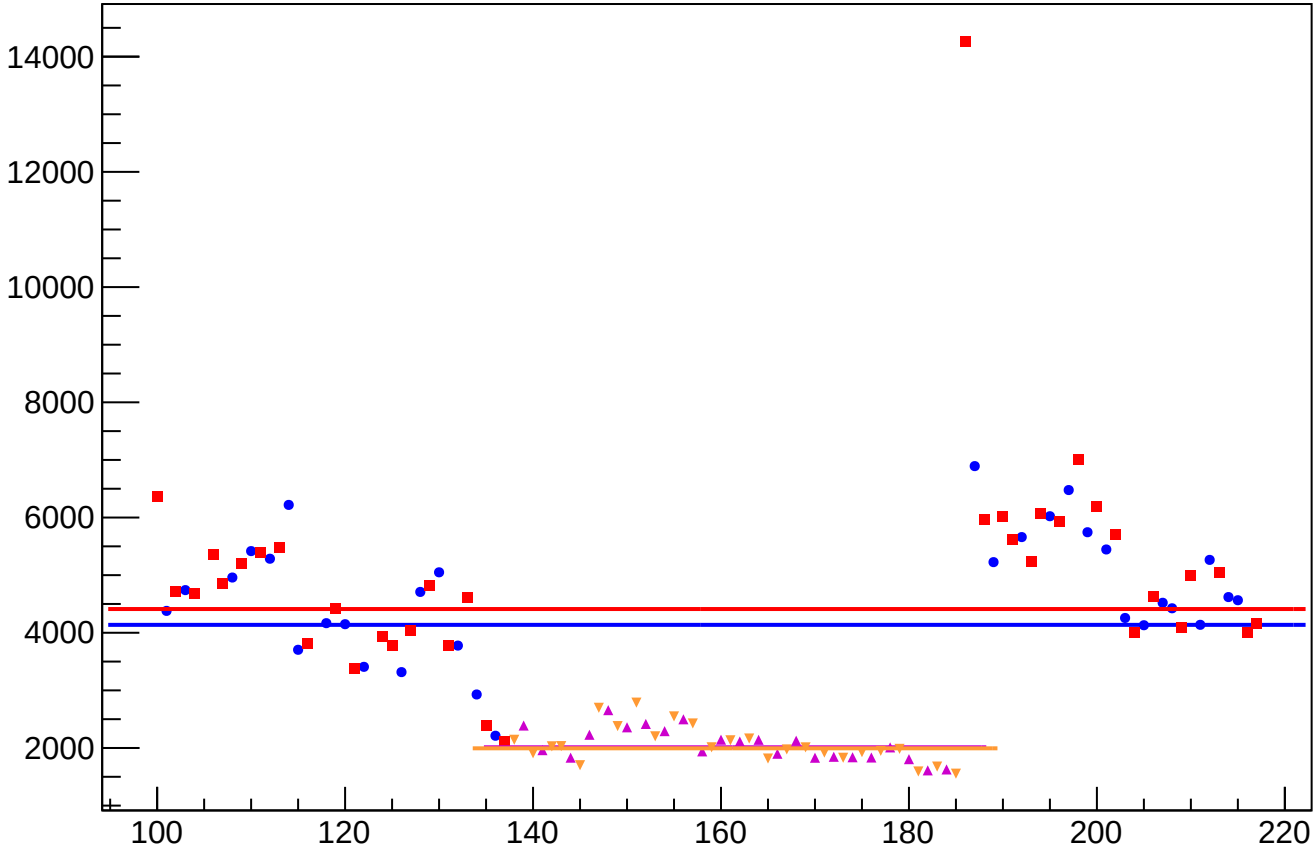
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 935.808+/-703.353 χ^2/NDF: 83.2/66

In: 660.502+/-427.400 χ^2/NDF:80.8/53

Out: 277.793+/-417.587 χ^2/NDF:78.5/60

All: 464.704+/-298.687 χ^2/NDF: 159.7/114



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: 4411.980+/-0.713 χ^2/NDF: 2932890.6/35

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

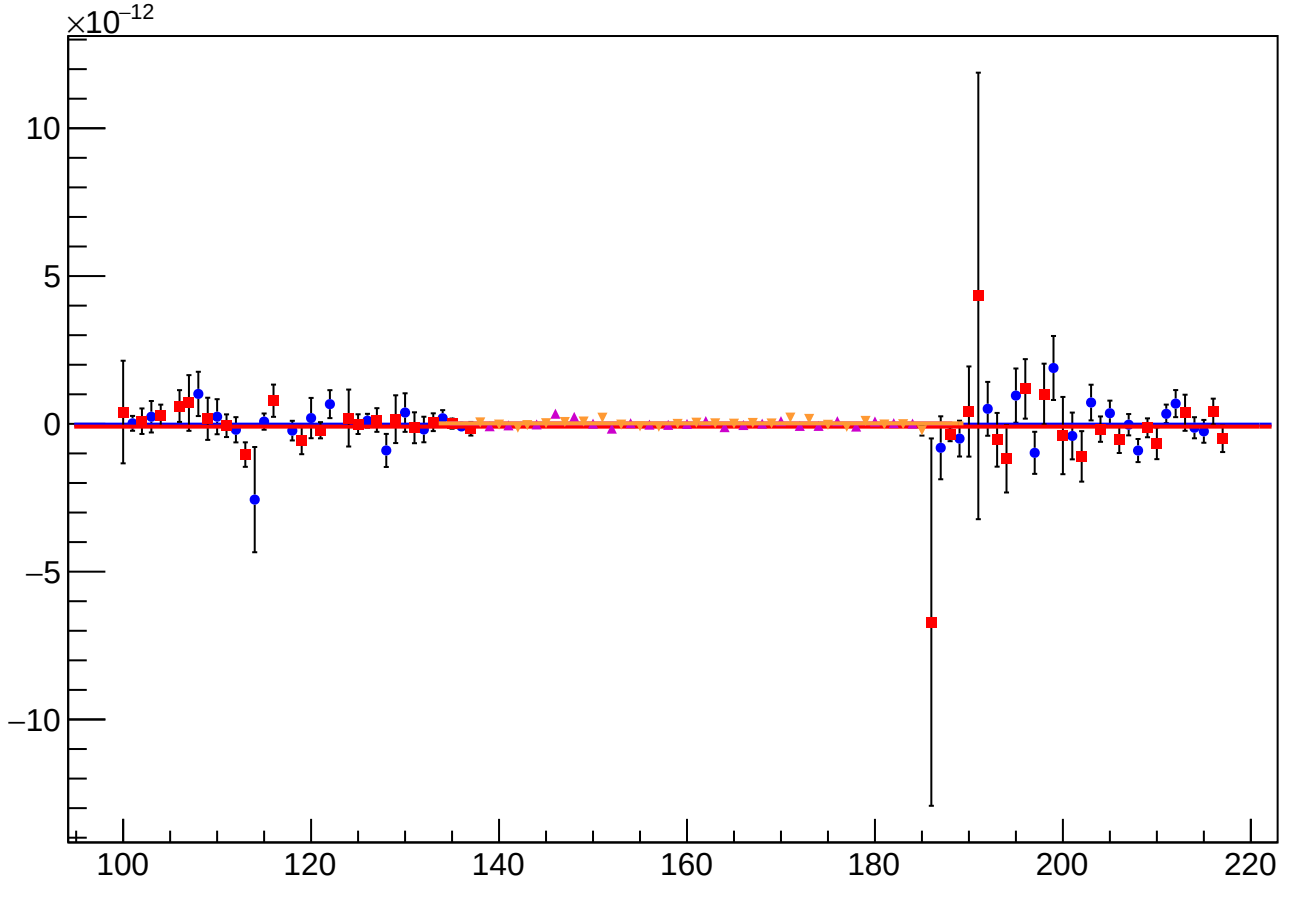
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4270.779+/-0.497 χ^2/NDF: 5768695.2/66

In: 2415.900+/-0.302 χ^2/NDF:10945938.7/53

Out: 2408.451+/-0.295 χ^2/NDF:13197442.1/60

All: 2412.089+/-0.211 χ^2/NDF: 24143691.6/1



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: 27.0/35

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

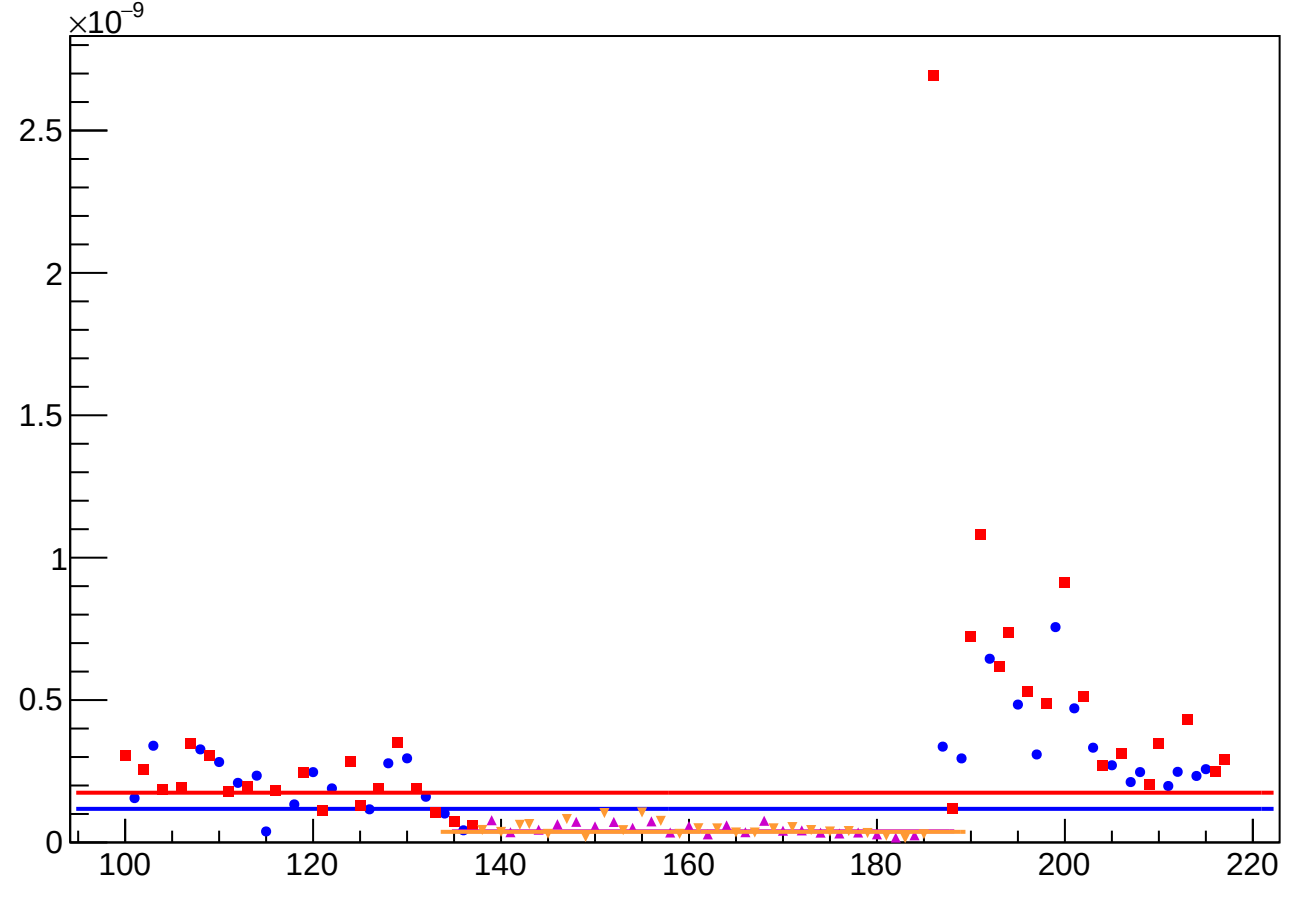
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 59.0/66

In: 0.000+/-0.000 χ^2/NDF:62.5/53

Out: 0.000+/-0.000 χ^2/NDF:50.6/60

All: 0.000+/-0.000 χ^2/NDF: 113.1/114



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: 5958073.1/35

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

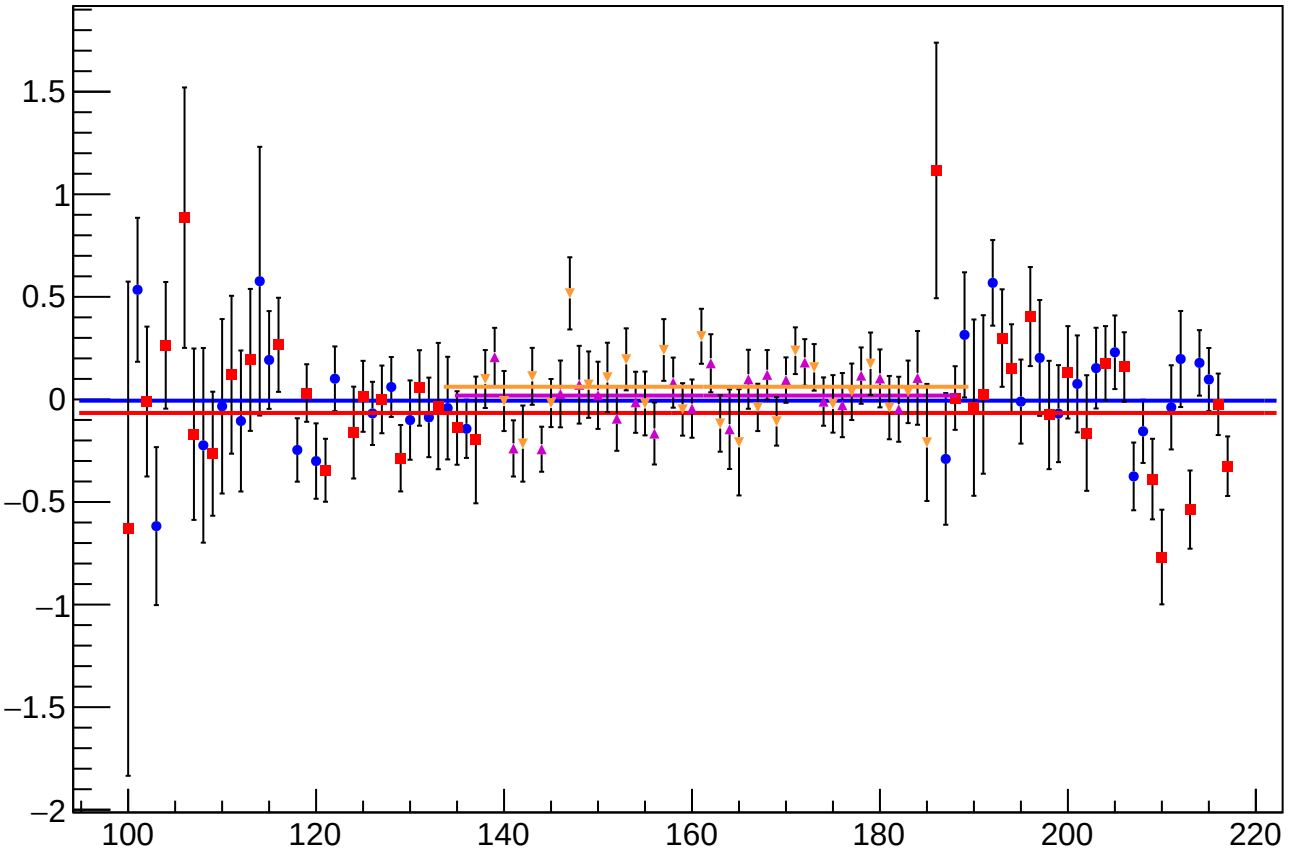
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14240187.0/66

In: 0.000+/-0.000 χ^2/NDF:13216358.5/53

Out: 0.000+/-0.000 χ^2/NDF:15495293.0/60

All: 0.000+/-0.000 χ^2/NDF: 28731564.1/114



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: -0.066+/-0.036 χ^2/NDF: 50.9/35

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

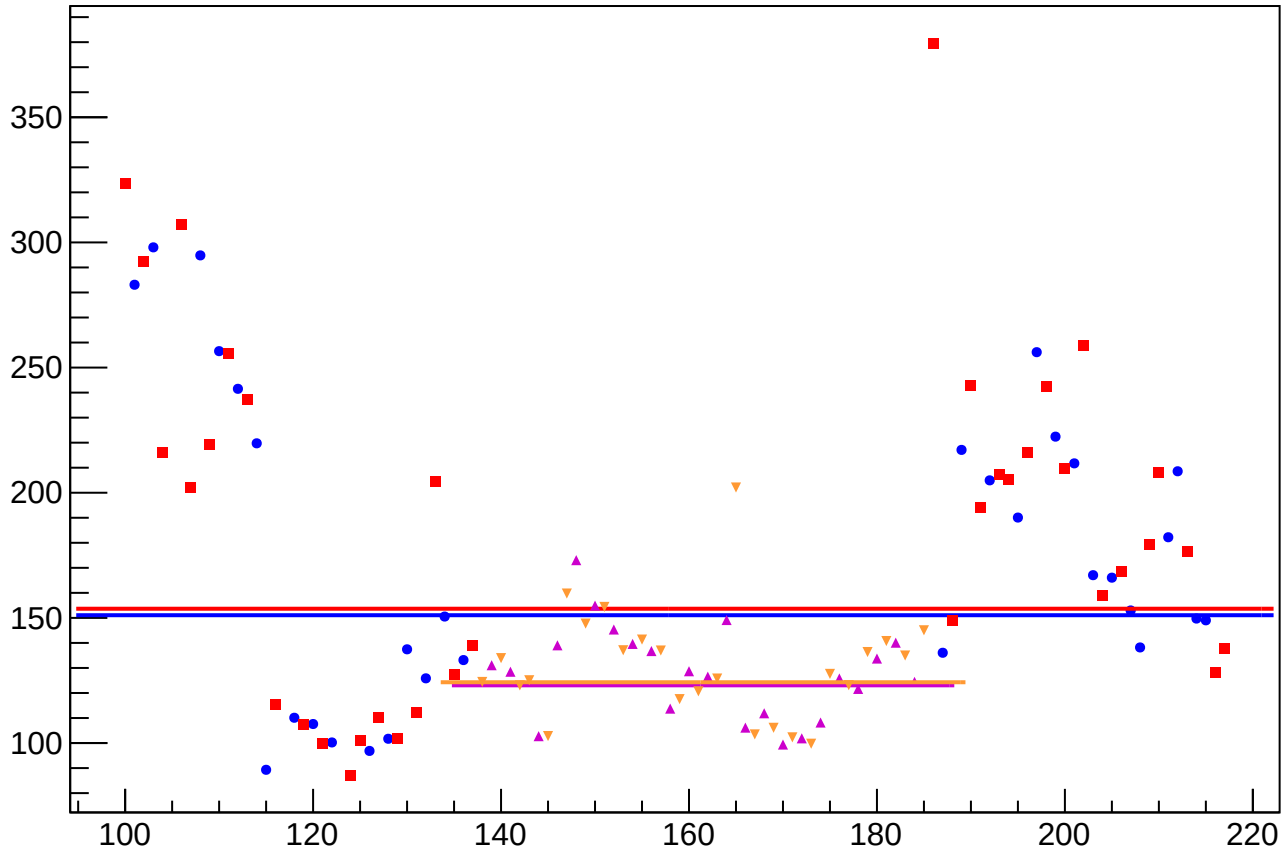
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.036+/-0.026 χ^2/NDF: 87.2/66

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.012+/-0.022 χ^2/NDF:86.0/60

All: 0.011+/-0.016 χ^2/NDF: 141.5/114



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: 153.661+/-0.026 χ^2/NDF: 3956692.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

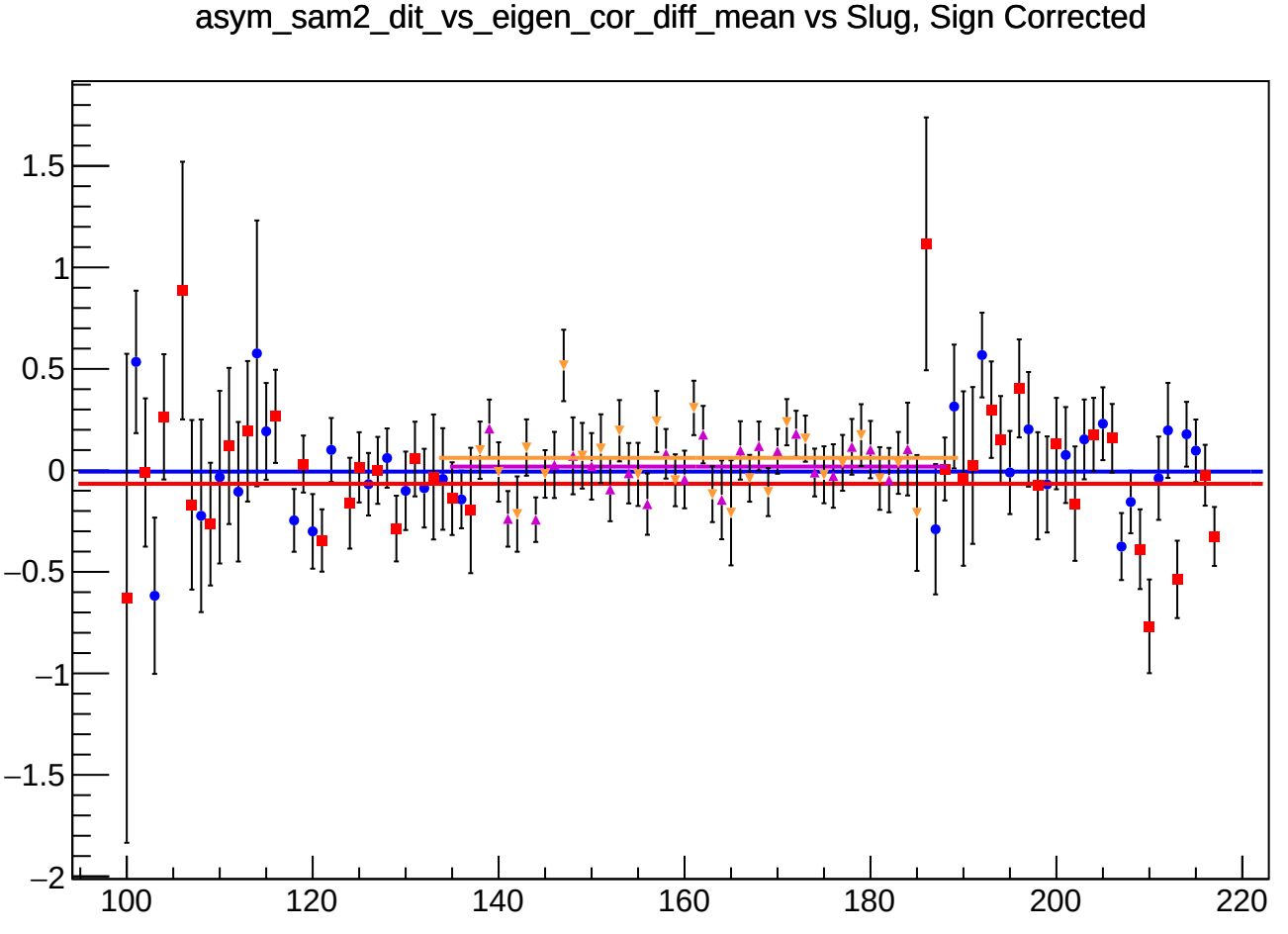
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 152.380+/-0.018 χ^2/NDF: 7254325.5/66

In: 134.029+/-0.016 χ^2/NDF:4725530.8/53

Out: 135.633+/-0.016 χ^2/NDF:5607483.2/60

All: 134.845+/-0.011 χ^2/NDF: 10338014.5/11



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.066+/-0.036 χ^2/NDF: 50.9/35

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

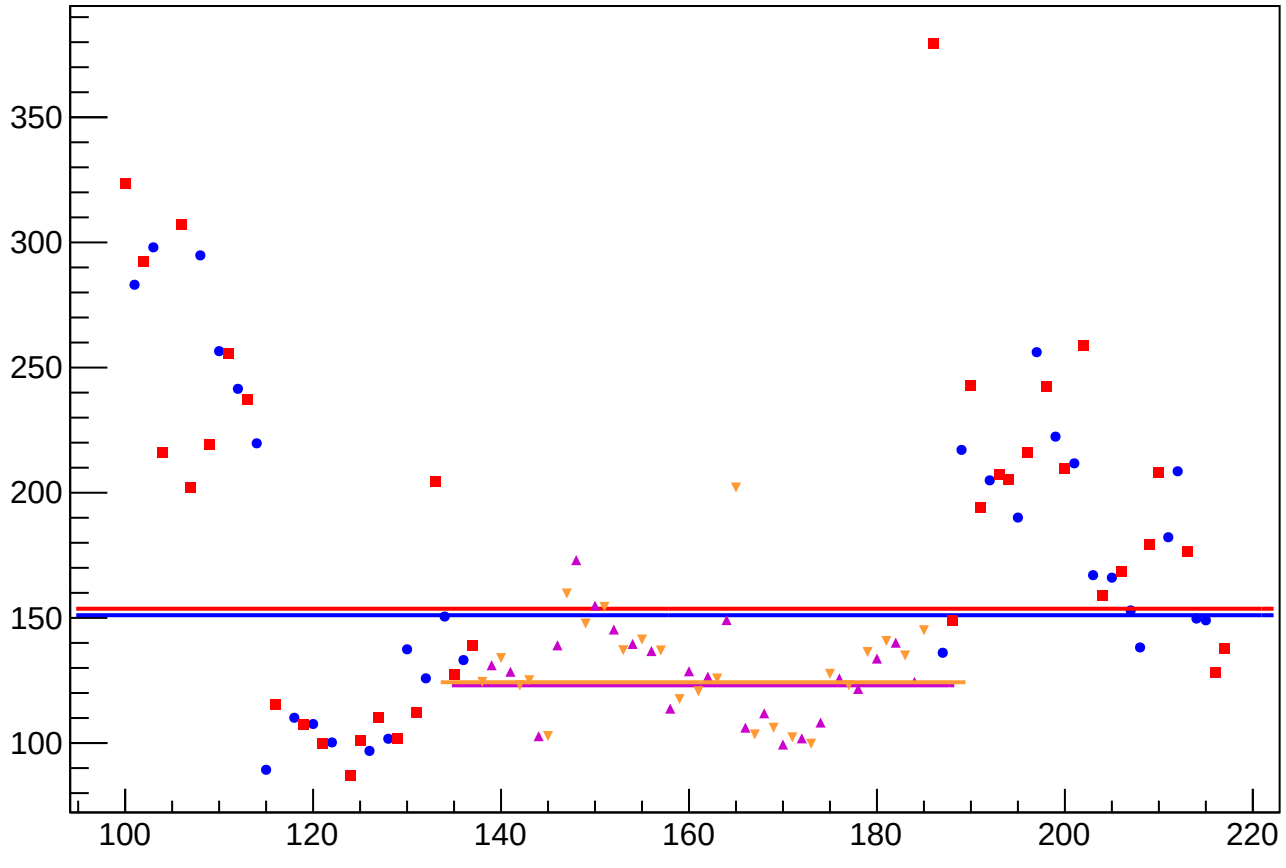
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.036+/-0.026 χ^2/NDF: 87.2/66

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.012+/-0.022 χ^2/NDF:86.0/60

All: 0.011+/-0.016 χ^2/NDF: 141.5/114



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: 153.661+/-0.026 χ^2/NDF: 3956692.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

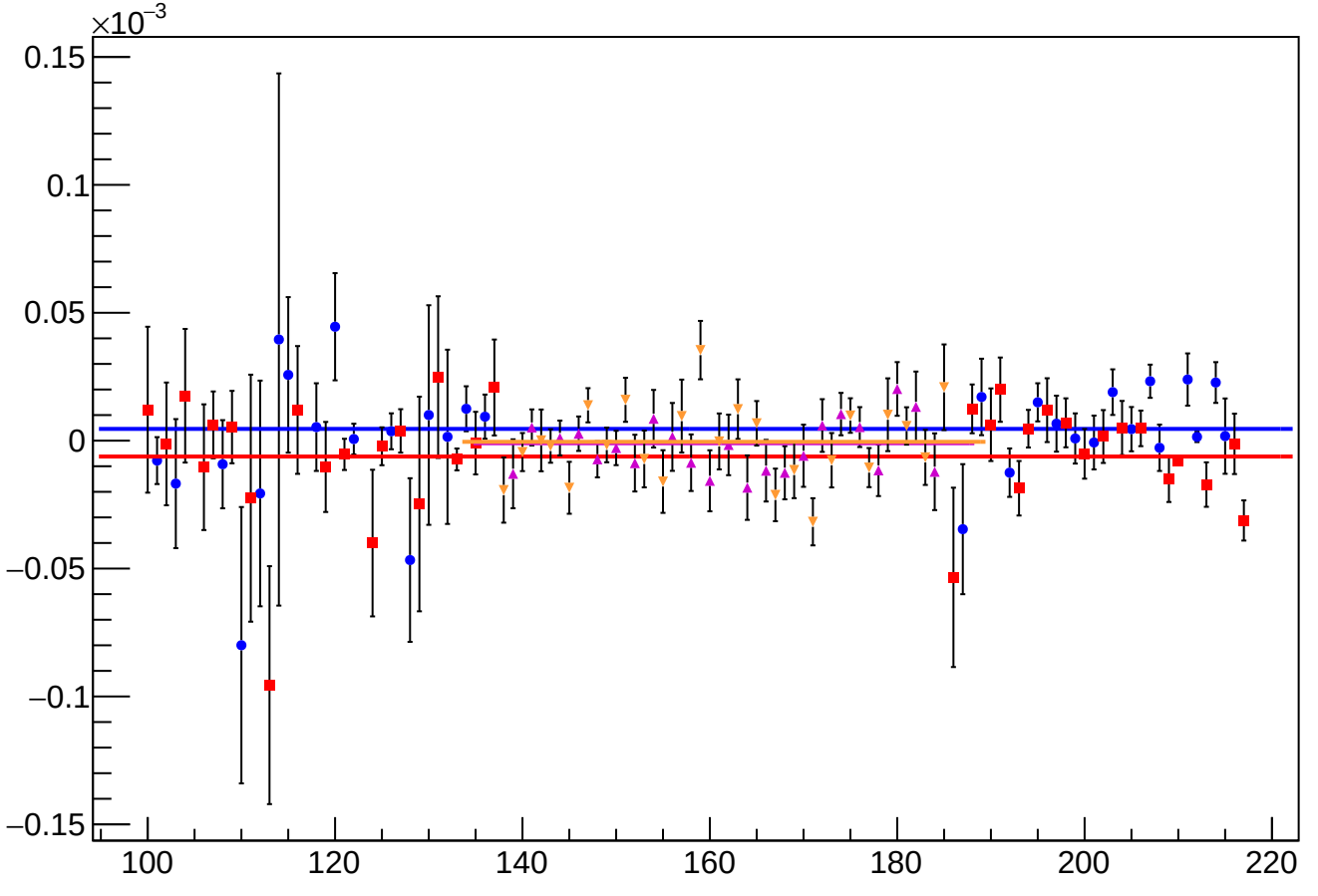
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 152.380+/-0.018 χ^2/NDF: 7254325.5/66

In: 134.029+/-0.016 χ^2/NDF:4725530.8/53

Out: 135.633+/-0.016 χ^2/NDF:5607483.2/60

All: 134.845+/-0.011 χ^2/NDF: 10338014.5/11



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: 50.7/35

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

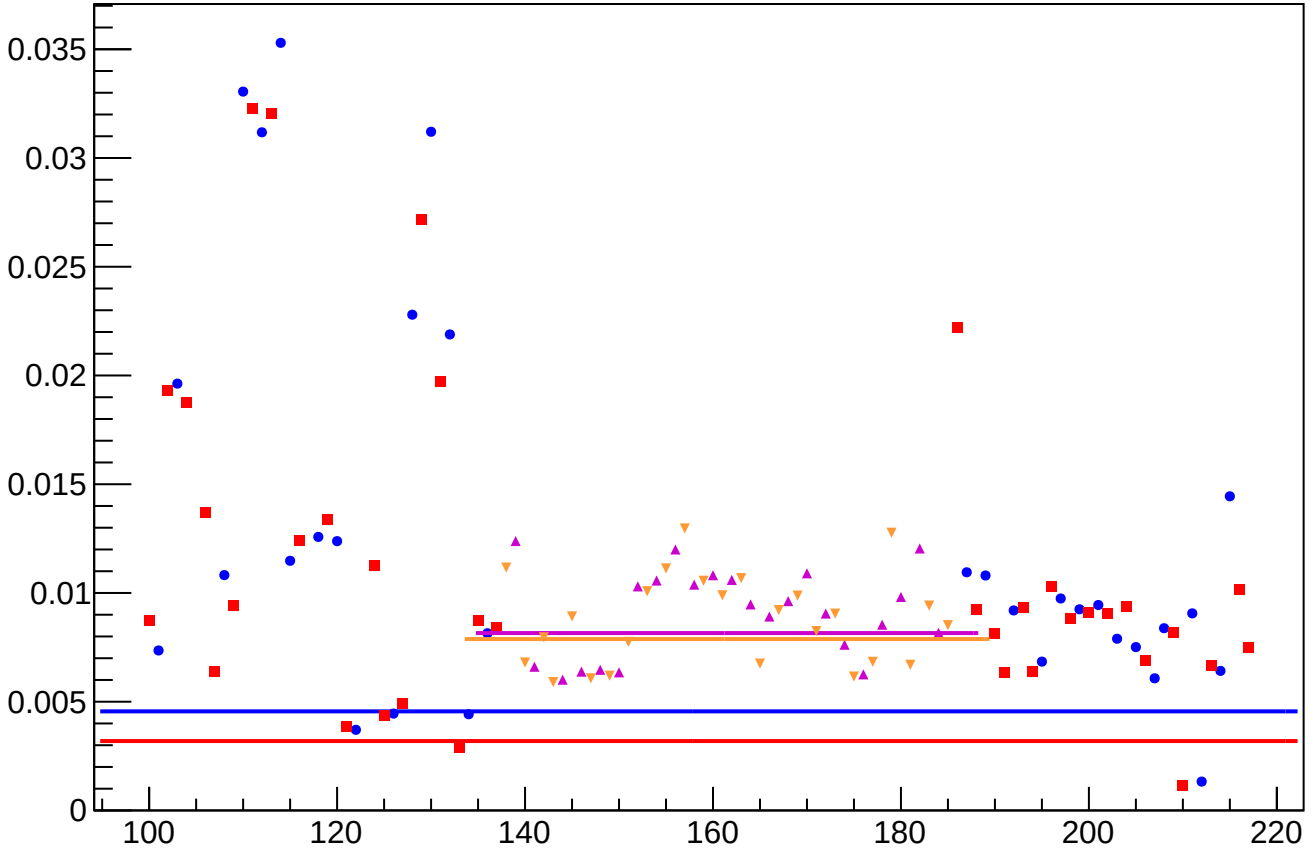
Right: -0.000+/-0.000 χ^2/NDF: 133.5/66

In: 0.000+/-0.000 χ^2/NDF:70.9/53

Out: -0.000+/-0.000 χ^2/NDF:110.4/60

All: -0.000+/-0.000 χ^2/NDF: 207.0/114

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 15637429.5/30

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20795293.0/35

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

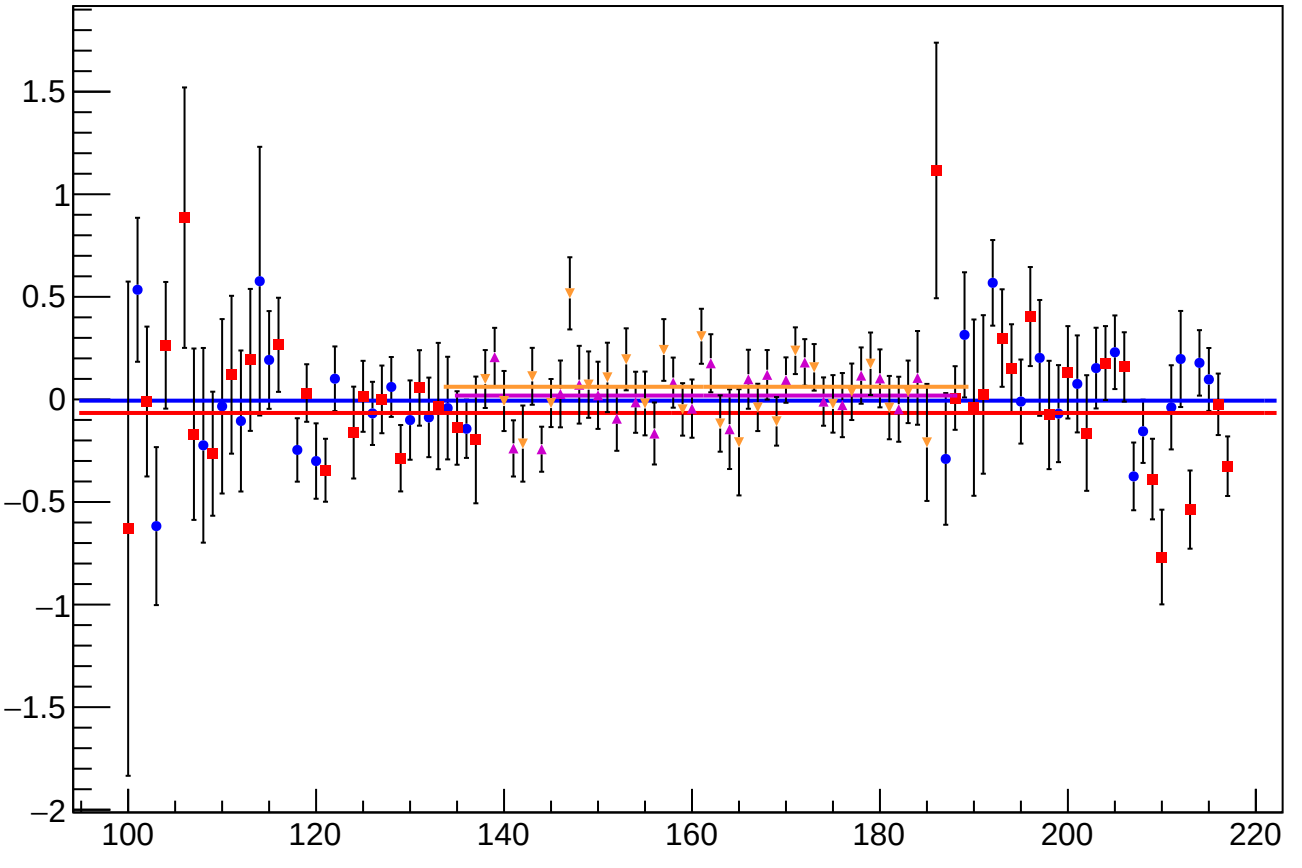
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.004+/-0.000 χ^2/NDF: 37616288.6/66

In: 0.006+/-0.000 χ^2/NDF:22009551.1/53

Out: 0.004+/-0.000 χ^2/NDF:32509801.5/60

All: 0.005+/-0.000 χ^2/NDF: 56373745.9/114



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: -0.066+/-0.036 χ^2/NDF: 50.9/35

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

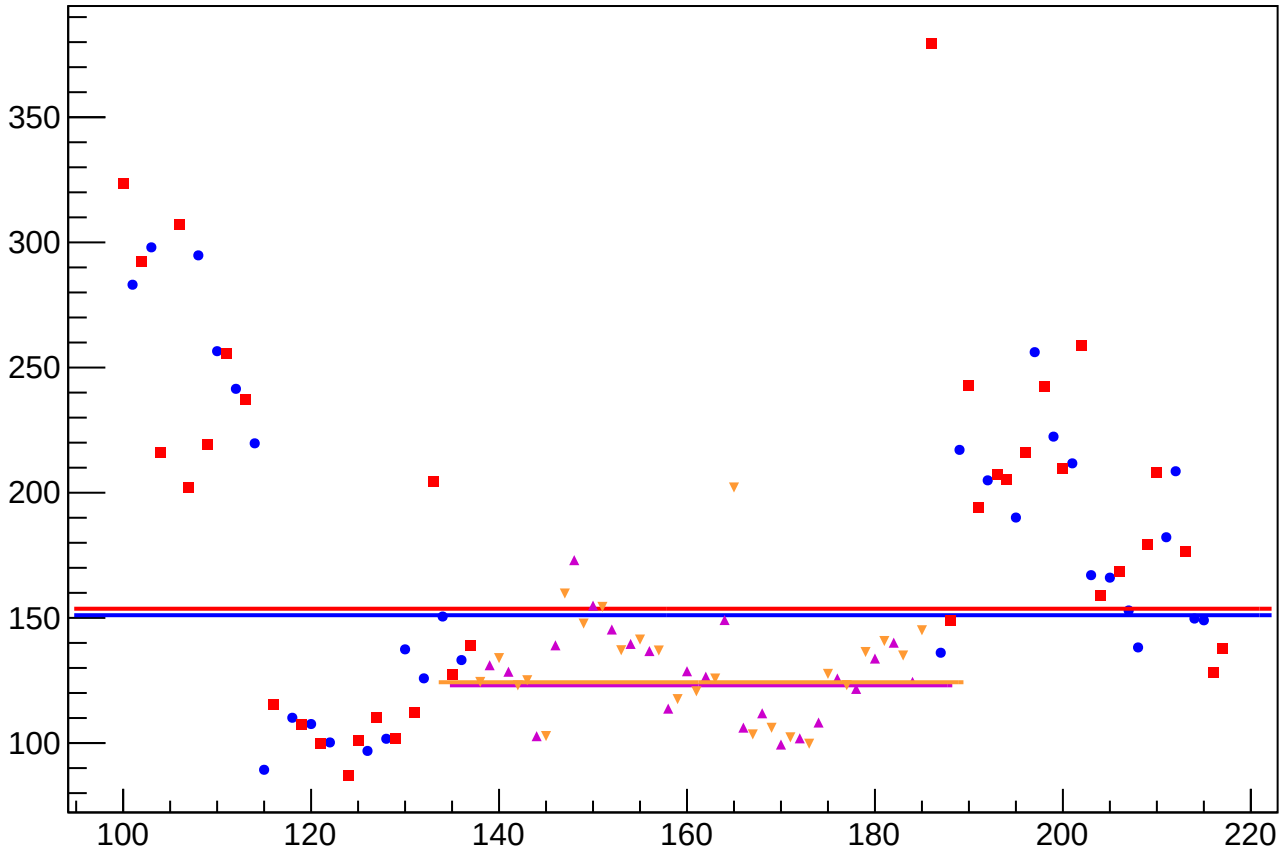
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.036+/-0.026 χ^2/NDF: 87.2/66

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.012+/-0.022 χ^2/NDF:86.0/60

All: 0.011+/-0.016 χ^2/NDF: 141.5/114



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: 153.660+/-0.026 χ^2/NDF: 3956816.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

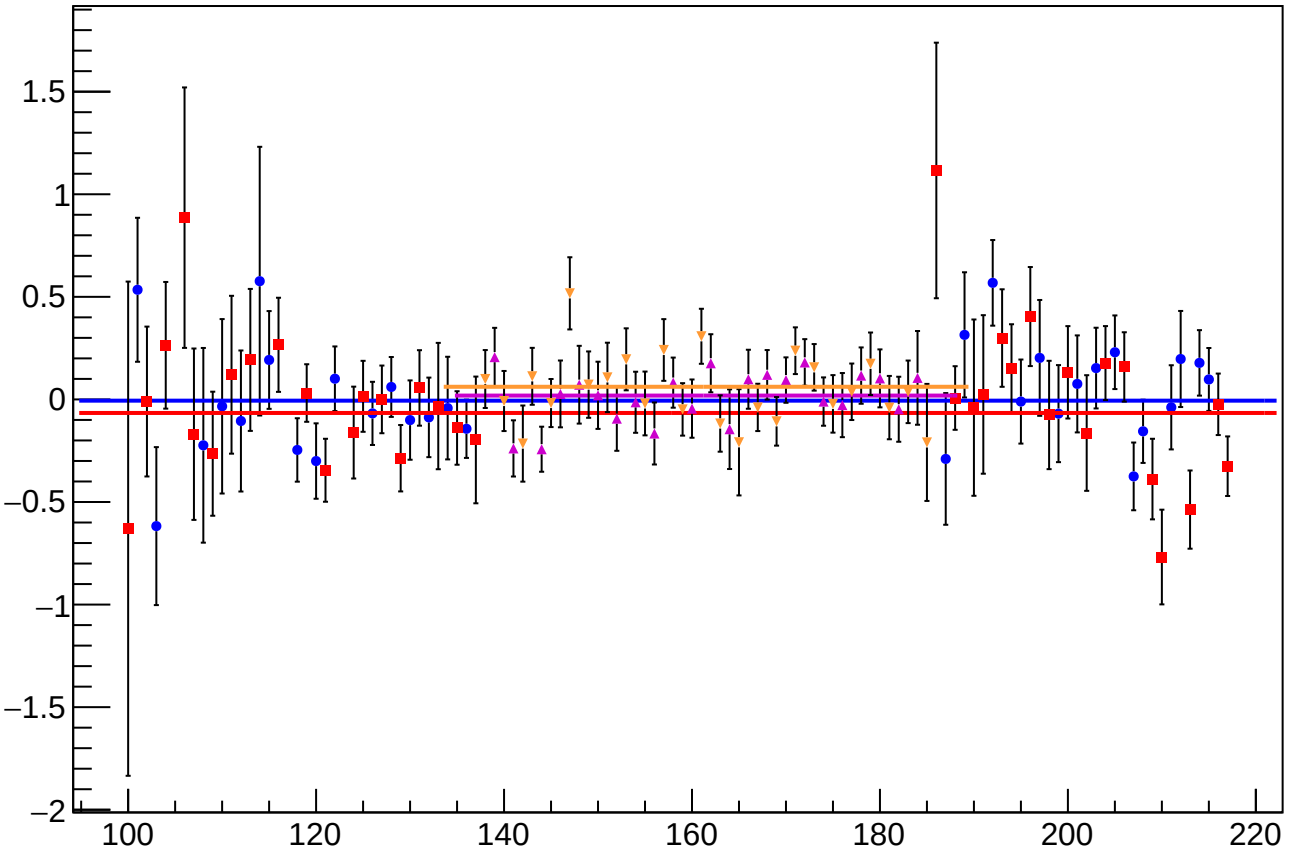
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 152.378+/-0.018 χ^2/NDF: 7254526.5/66

In: 134.029+/-0.016 χ^2/NDF:4725549.9/53

Out: 135.632+/-0.016 χ^2/NDF:5607564.3/60

All: 134.845+/-0.011 χ^2/NDF: 10338115.3/11



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.066+/-0.036 χ^2/NDF: 50.9/35

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

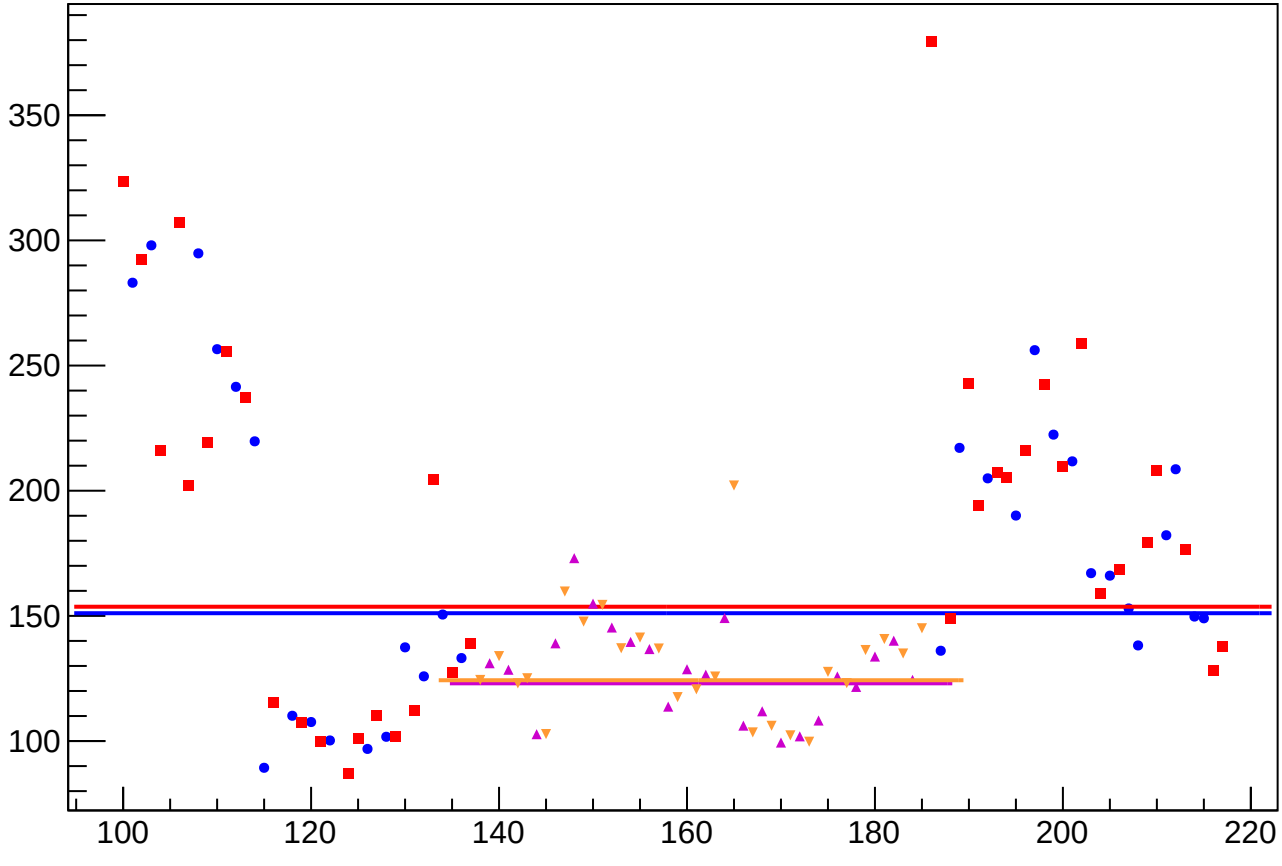
Right: -0.036+/-0.026 χ^2/NDF: 87.2/66

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.012+/-0.022 χ^2/NDF:86.0/60

All: 0.011+/-0.016 χ^2/NDF: 141.5/114

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 153.660+/-0.026 χ^2/NDF: 3956816.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

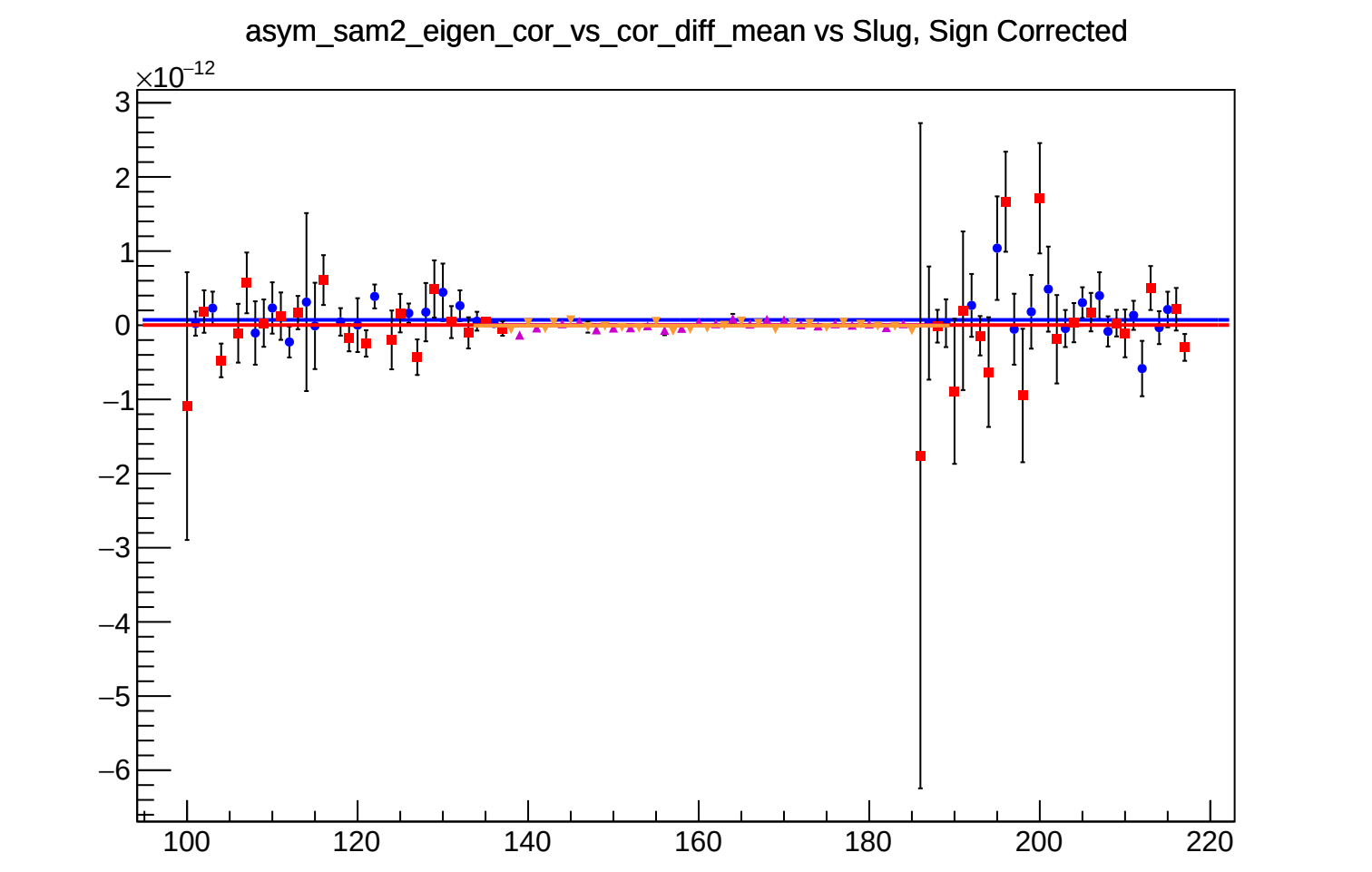
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 152.378+/-0.018 χ^2/NDF: 7254526.5/66

In: 134.029+/-0.016 χ^2/NDF:4725549.9/53

Out: 135.632+/-0.016 χ^2/NDF:5607564.3/60

All: 134.845+/-0.011 χ^2/NDF: 10338115.3/11



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: 42.1/35

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: -0.000+/-0.000 χ^2/NDF: 49.3/47

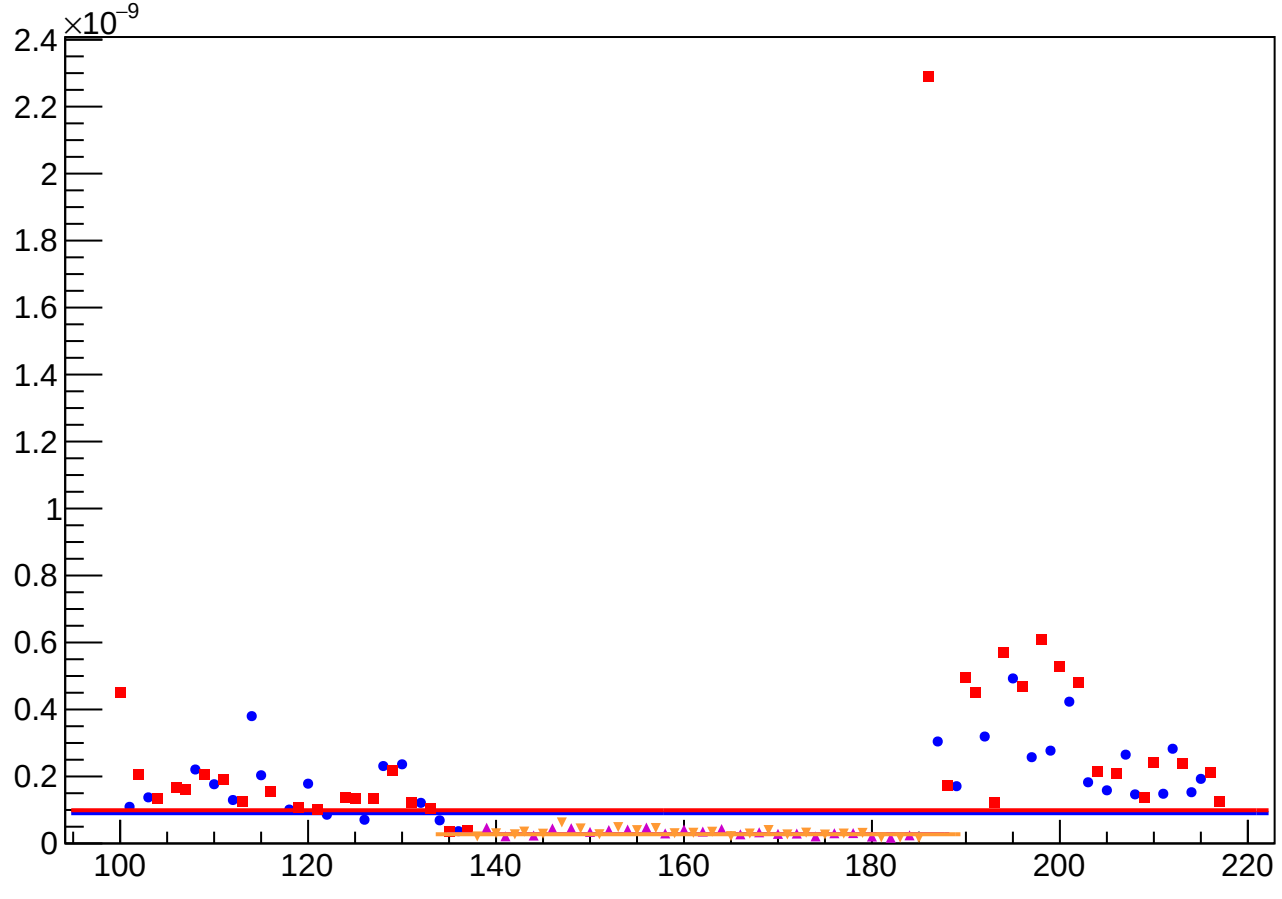
Right: 0.000+/-0.000 χ^2/NDF: 64.2/66

In: 0.000+/-0.000 χ^2/NDF:49.3/53

Out: -0.000+/-0.000 χ^2/NDF:66.6/60

All: -0.000+/-0.000 χ^2/NDF: 116.5/114

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: 11302812.9/35

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

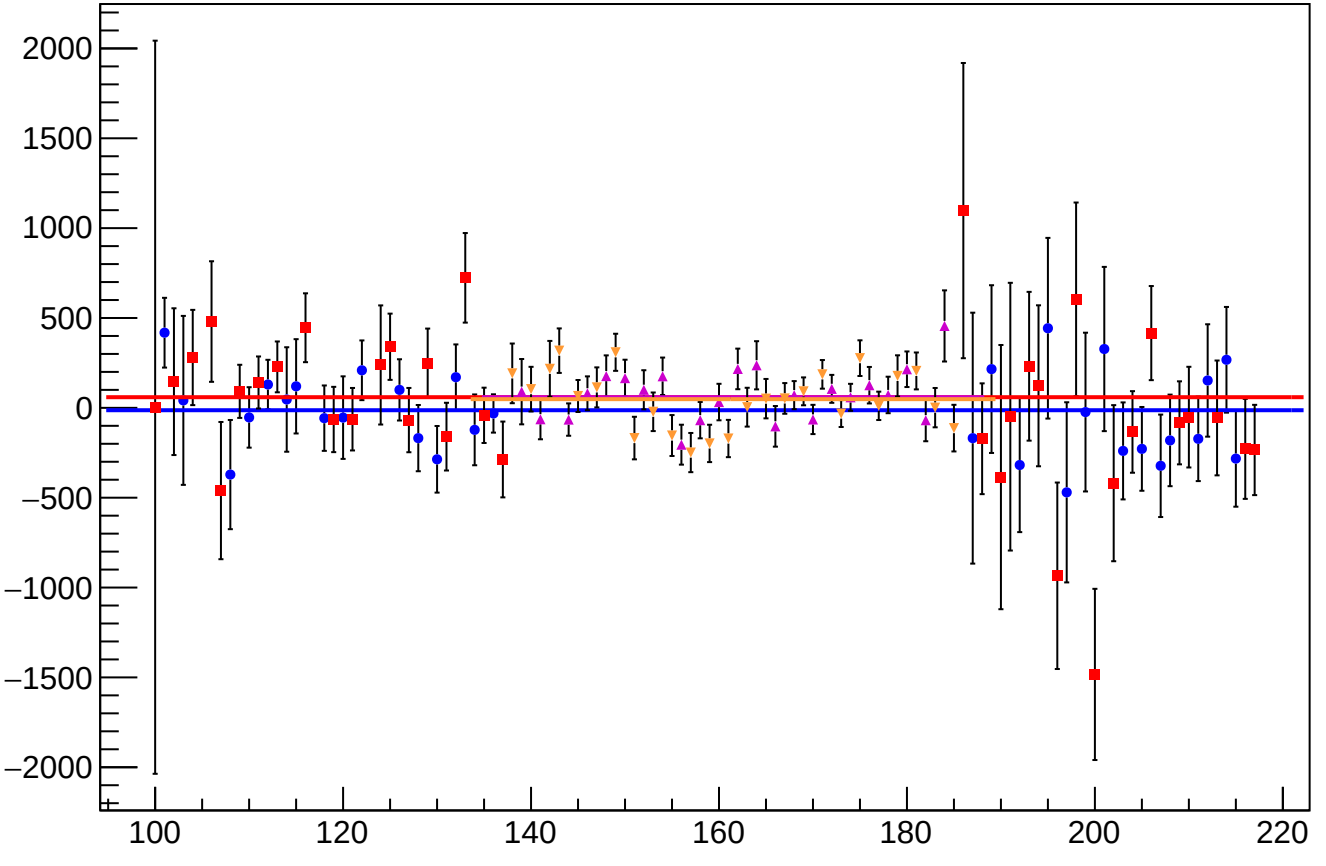
Right: 0.000+/-0.000 χ^2/NDF: 20606558.9/66

In: 0.000+/-0.000 χ^2/NDF:18231859.2/53

Out: 0.000+/-0.000 χ^2/NDF:21663457.1/60

All: 0.000+/-0.000 χ^2/NDF: 39912568.4/114

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: 59.266+/-40.044 χ^2/NDF: 51.5/35

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

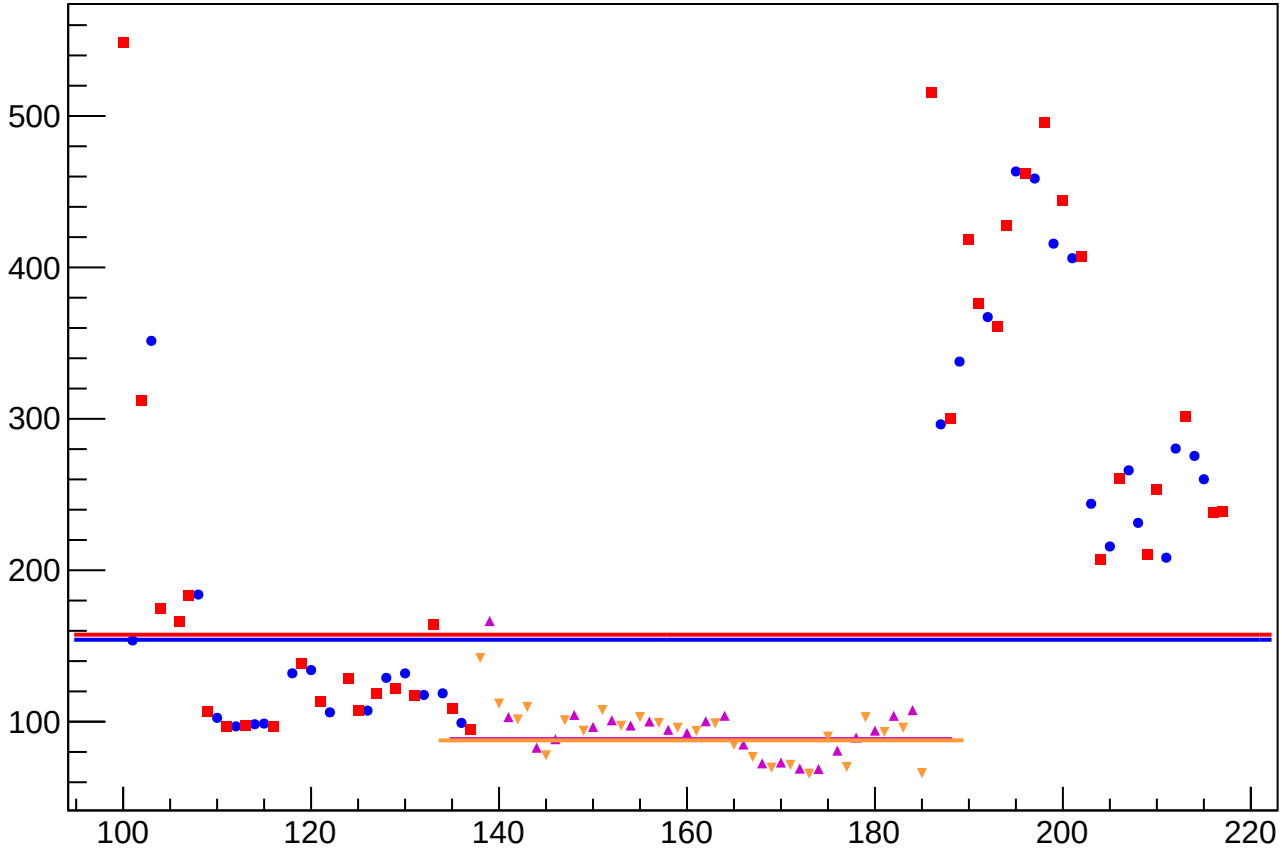
Right: 23.000+/-28.310 χ^2/NDF: 76.5/66

In: 43.238+/-18.704 χ^2/NDF:56.5/53

Out: 50.637+/-18.193 χ^2/NDF:105.1/60

All: 47.040+/-13.042 χ^2/NDF: 161.7/114

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: 157.453+/-0.028 χ^2/NDF: 9307484.6/35

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

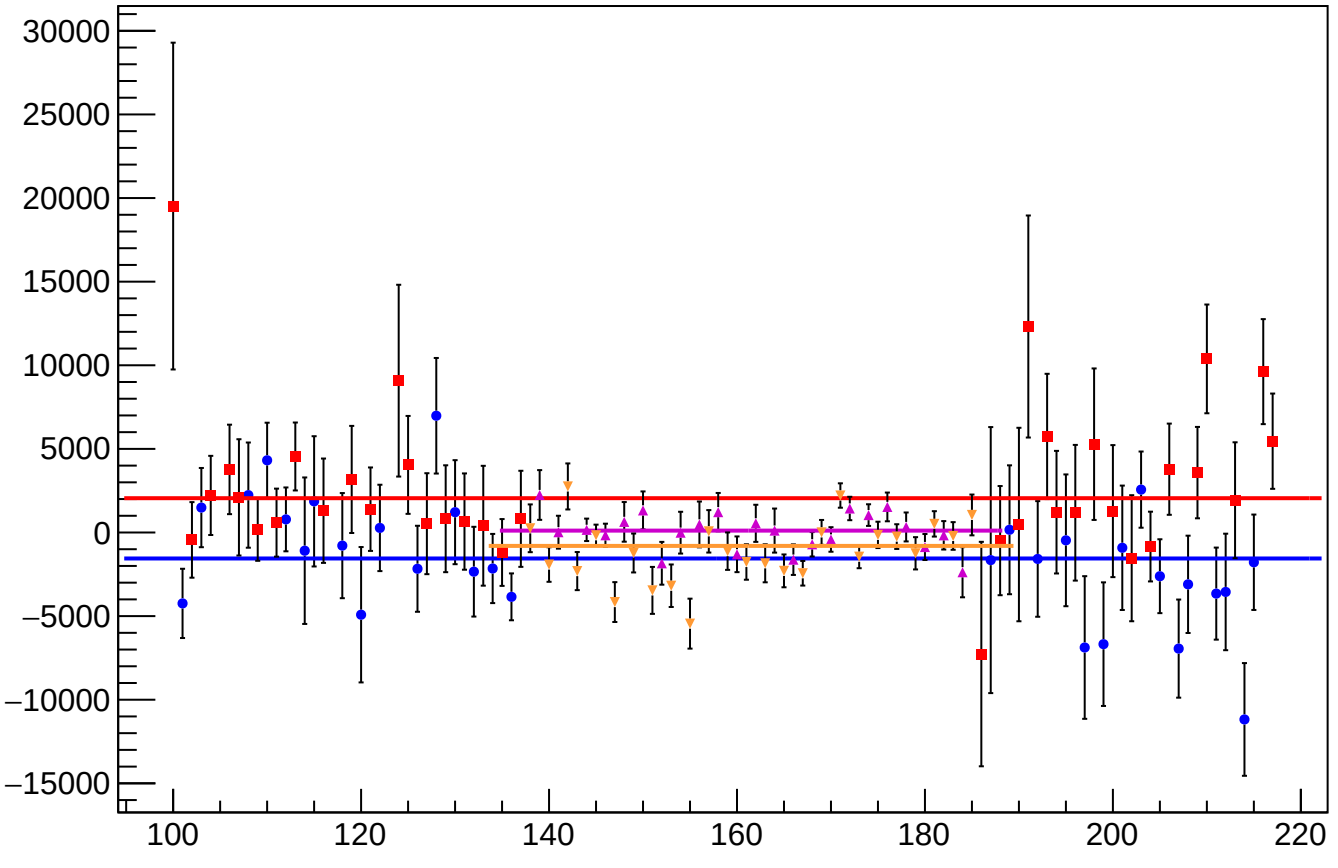
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 155.780+/-0.020 χ^2/NDF: 17275580.2/66

In: 102.811+/-0.013 χ^2/NDF:13238600.7/53

Out: 102.063+/-0.013 χ^2/NDF:15342672.9/60

All: 102.427+/-0.009 χ^2/NDF: 28582915.9/11



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: 2051.239+/-492.690 χ^2/NDF: 37.7/35

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

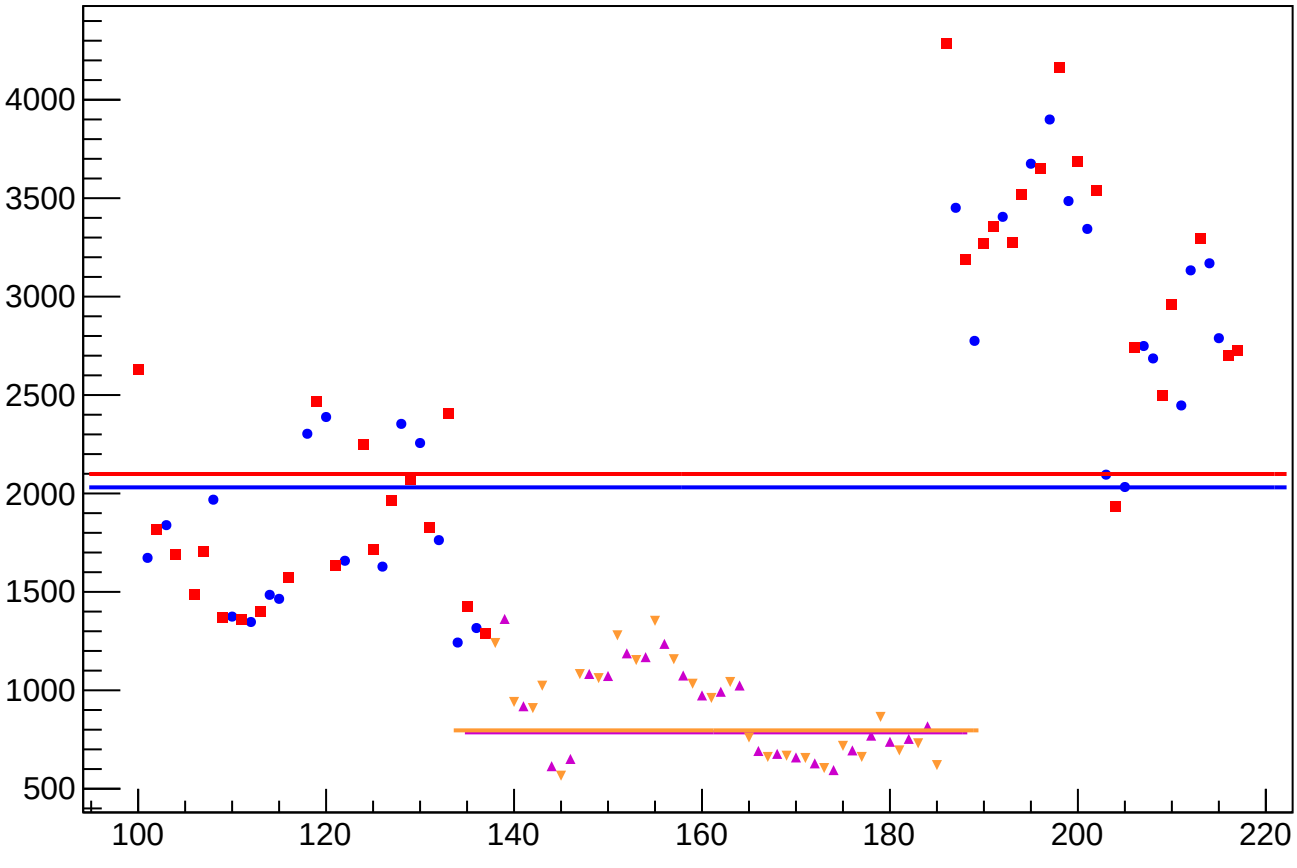
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 247.584+/-348.287 χ^2/NDF: 109.4/66

In: -104.015+/-177.481 χ^2/NDF:82.0/53

Out: -439.756+/-175.447 χ^2/NDF:138.9/60

All: -273.820+/-124.773 χ^2/NDF: 222.7/114



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: 2098.914+/-0.348 χ^2/NDF: 4768341.1/35

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

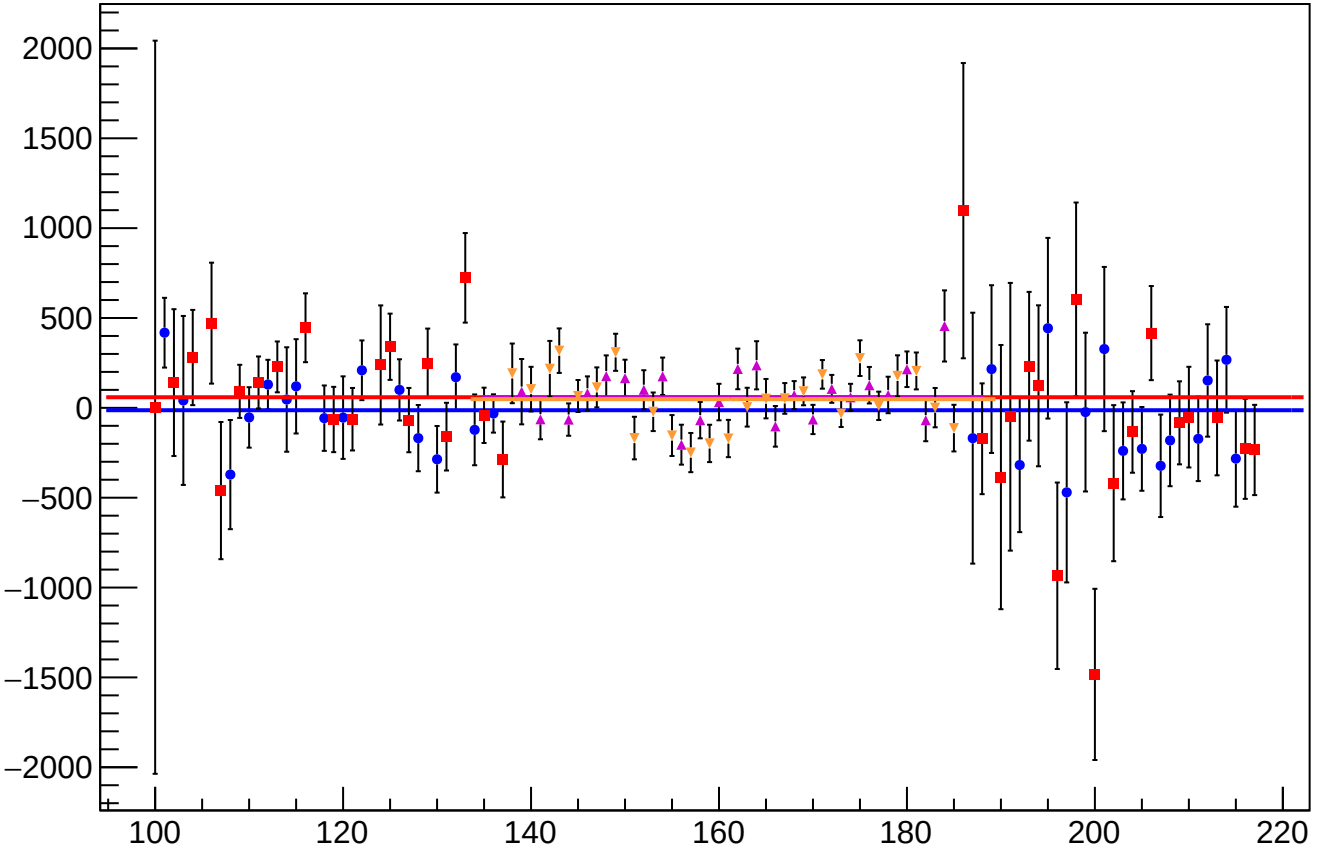
Right: 2064.953+/-0.246 χ^2/NDF: 8924799.3/66

In: 948.034+/-0.125 χ^2/NDF:17412892.6/53

Out: 961.677+/-0.124 χ^2/NDF:19389411.4/60

All: 954.934+/-0.088 χ^2/NDF: 36808281.0/1

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: 59.049+/-40.046 χ^2/NDF: 51.4/35

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

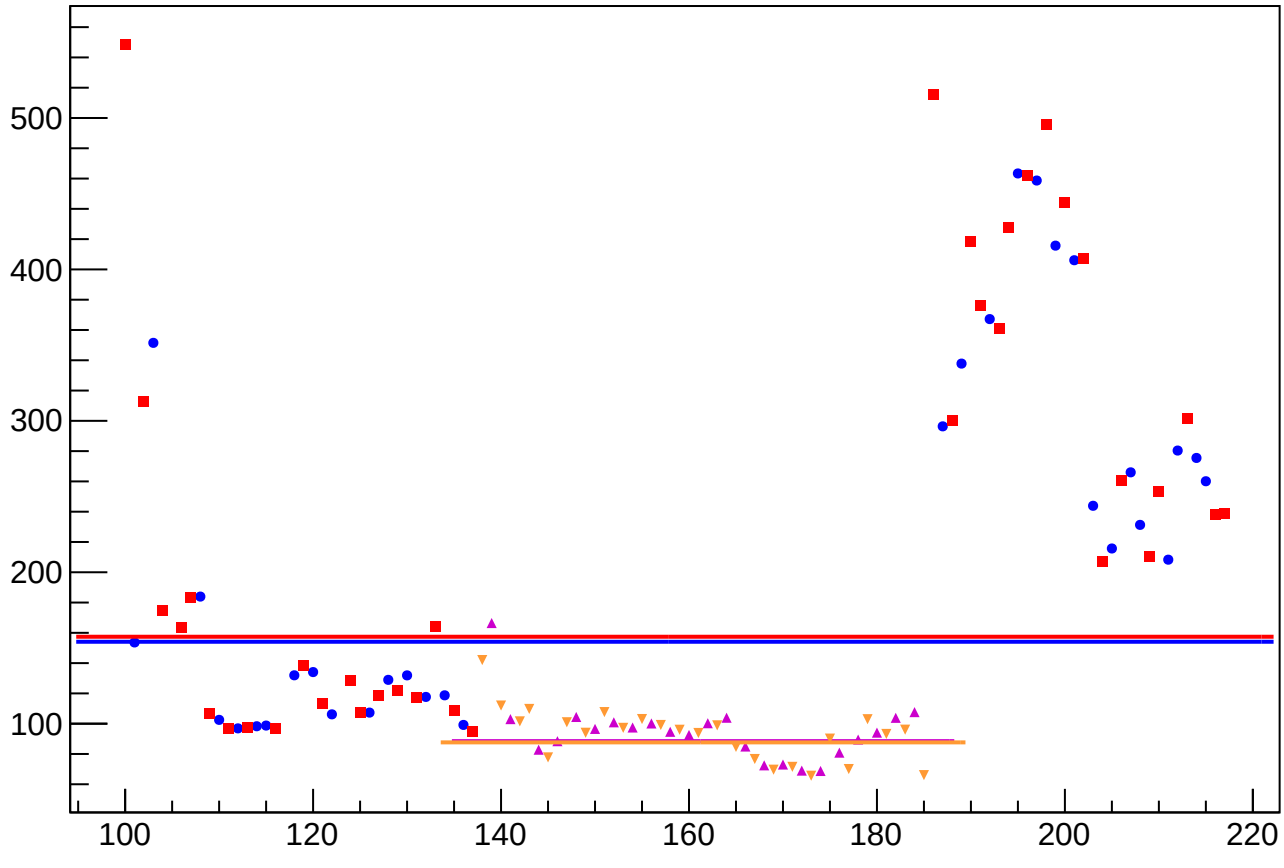
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 22.883+/-28.311 χ^2/NDF: 76.4/66

In: 43.237+/-18.704 χ^2/NDF:56.5/53

Out: 50.597+/-18.194 χ^2/NDF:105.0/60

All: 47.019+/-13.042 χ^2/NDF: 161.6/114



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: 157.418+/-0.028 χ^2/NDF: 9306983.7/35

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

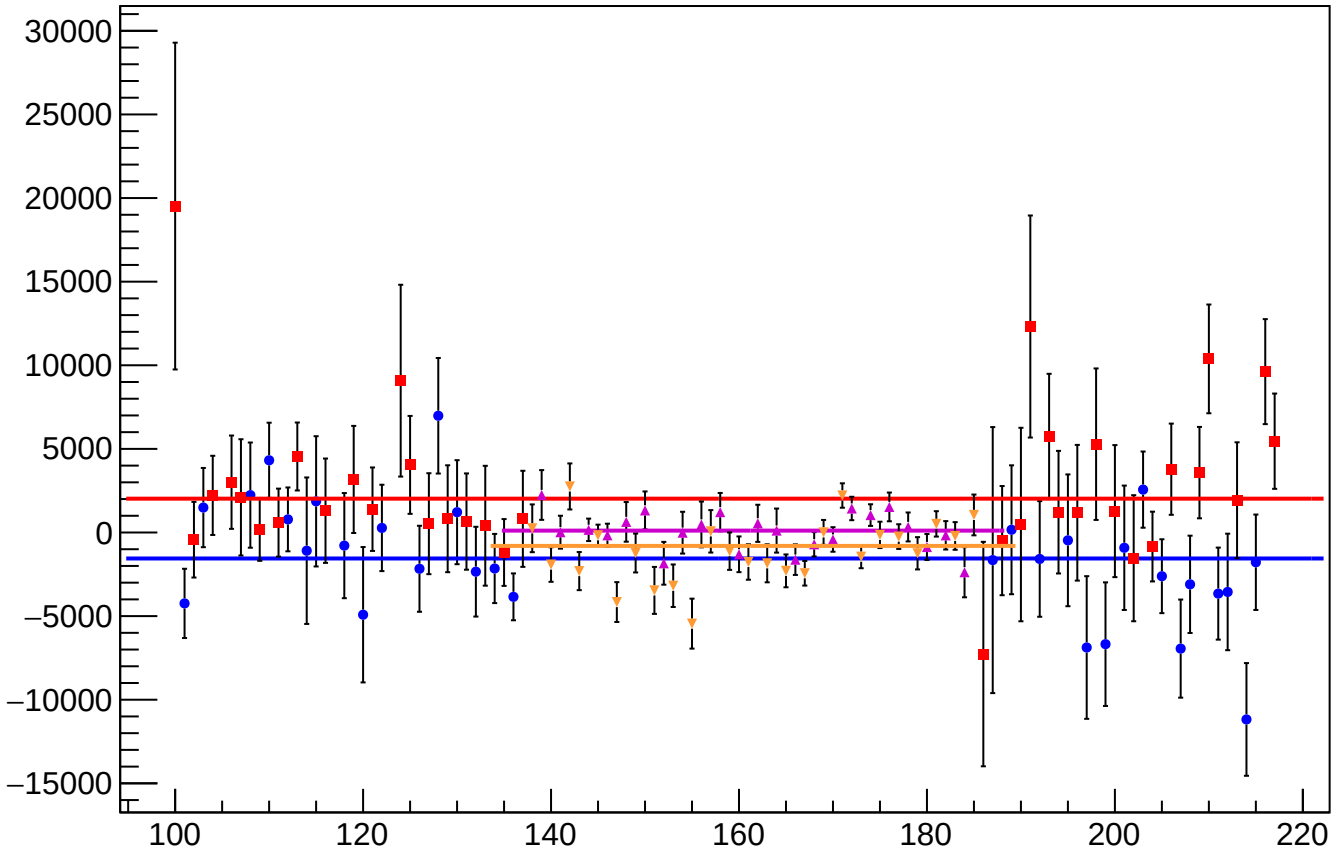
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 155.762+/-0.020 χ^2/NDF: 17274933.6/66

In: 102.811+/-0.013 χ^2/NDF:13238602.5/53

Out: 102.055+/-0.013 χ^2/NDF:15336871.0/60

All: 102.422+/-0.009 χ^2/NDF: 28577153.3/11



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: 2023.512+/-493.388 χ^2/NDF: 37.4/35

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

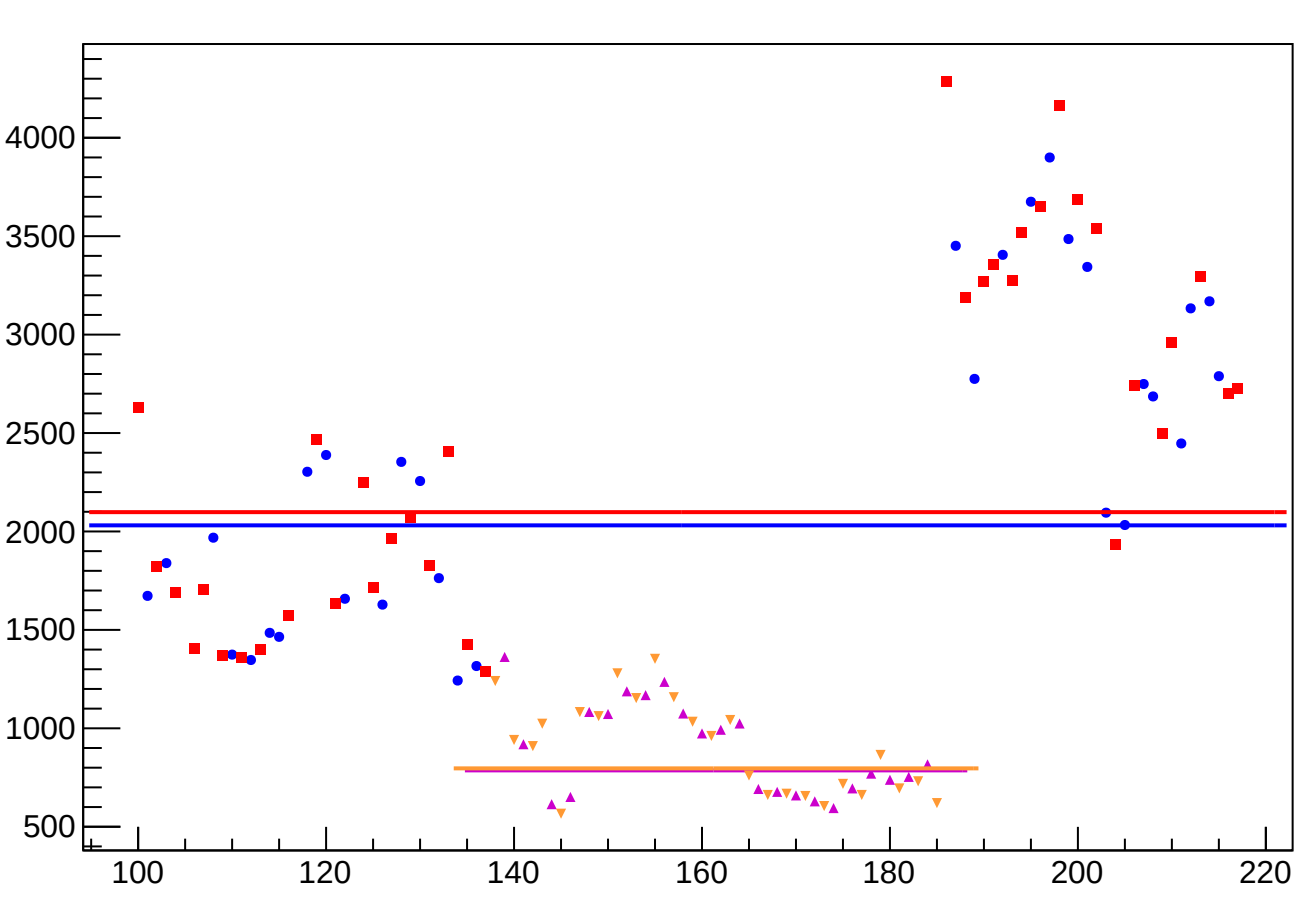
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 231.207+/-348.534 χ^2/NDF: 108.7/66

In: -104.012+/-177.481 χ^2/NDF:82.0/53

Out: -444.150+/-175.479 χ^2/NDF:137.9/60

All: -276.010+/-124.784 χ^2/NDF: 221.8/114



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: 2098.156+/-0.349 χ^2/NDF: 4786656.4/35

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

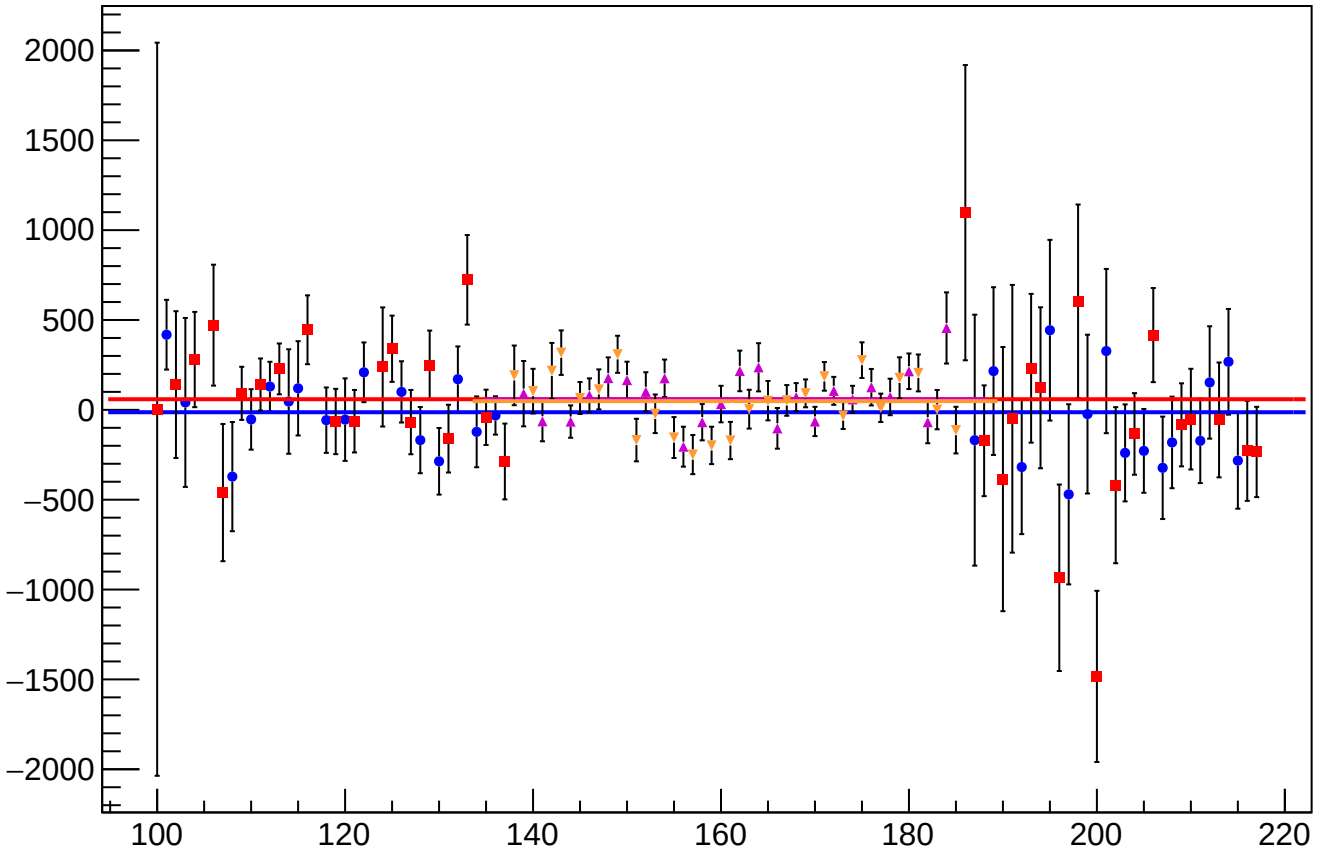
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2064.532+/-0.246 χ^2/NDF: 8942637.2/66

In: 948.034+/-0.125 χ^2/NDF:17412949.6/53

Out: 961.173+/-0.124 χ^2/NDF:19363448.2/60

All: 954.678+/-0.088 χ^2/NDF: 36781940.6/11



Right In: -13.251+/-40.029 χ^2/NDF: 23.3/30

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 59.049+/-40.046 χ^2/NDF: 51.4/35

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

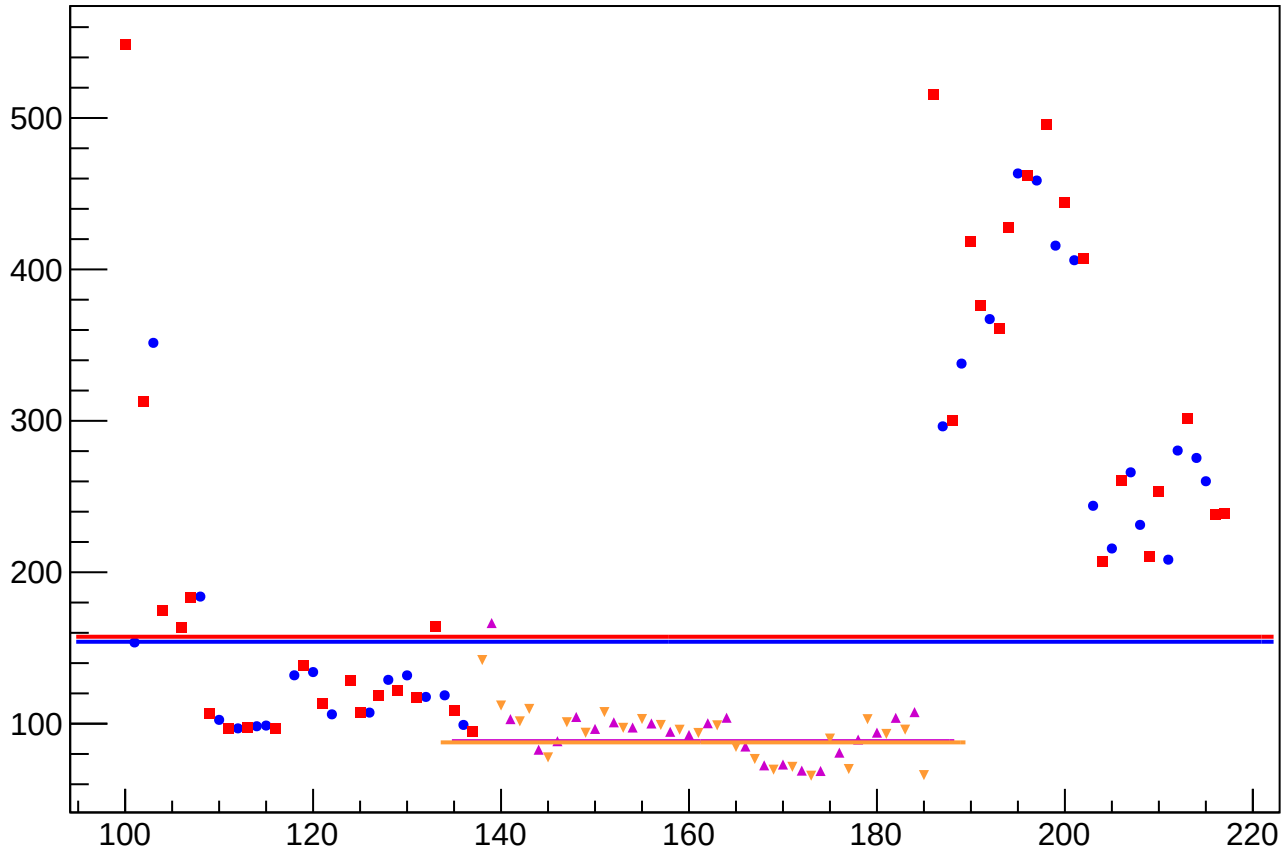
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 22.883+/-28.311 χ^2/NDF: 76.4/66

In: 43.237+/-18.704 χ^2/NDF:56.5/53

Out: 50.597+/-18.194 χ^2/NDF:105.0/60

All: 47.019+/-13.042 χ^2/NDF: 161.6/114



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: 157.418+/-0.028 χ^2/NDF: 9306983.7/35

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

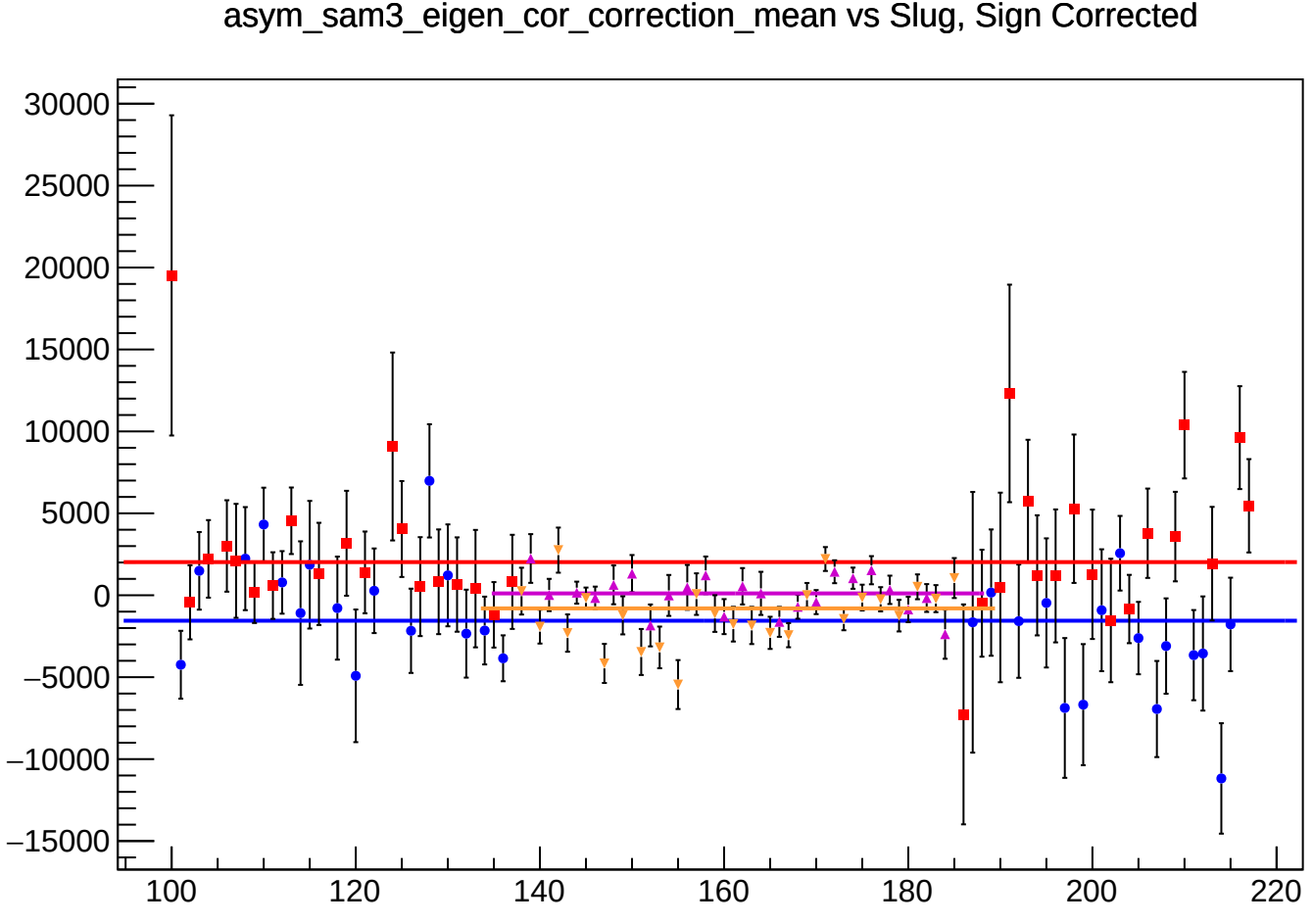
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 155.762+/-0.020 χ^2/NDF: 17274933.6/66

In: 102.811+/-0.013 χ^2/NDF:13238602.5/53

Out: 102.055+/-0.013 χ^2/NDF:15336871.0/60

All: 102.422+/-0.009 χ^2/NDF: 28577153.3/1



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: 2023.512+/-493.388 χ^2/NDF: 37.4/35

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

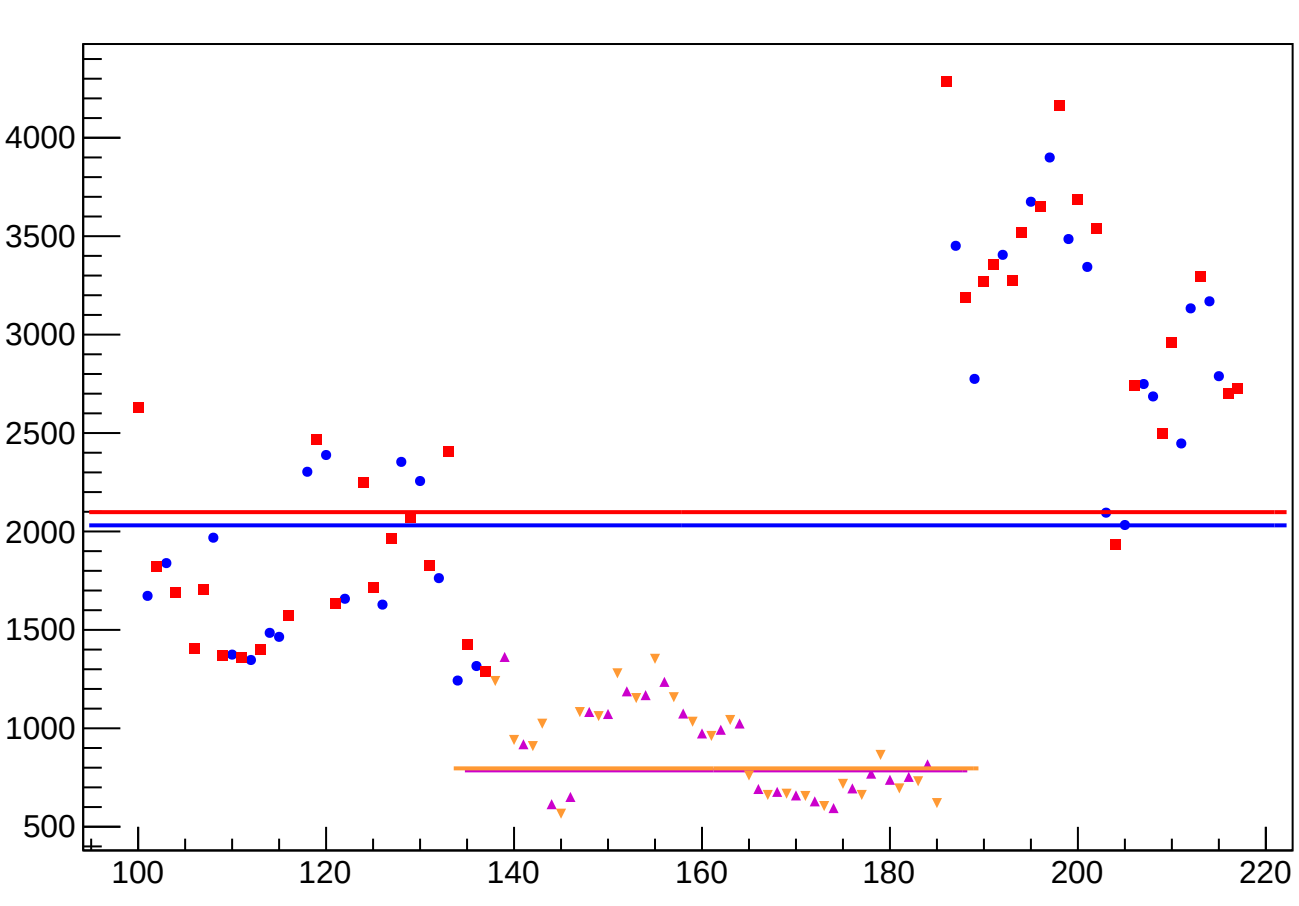
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 231.207+/-348.534 χ^2/NDF: 108.7/66

In: -104.012+/-177.481 χ^2/NDF:82.0/53

Out: -444.150+/-175.479 χ^2/NDF:137.9/60

All: -276.010+/-124.784 χ^2/NDF: 221.8/114



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: 2098.156+/-0.349 χ^2/NDF: 4786656.4/35

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

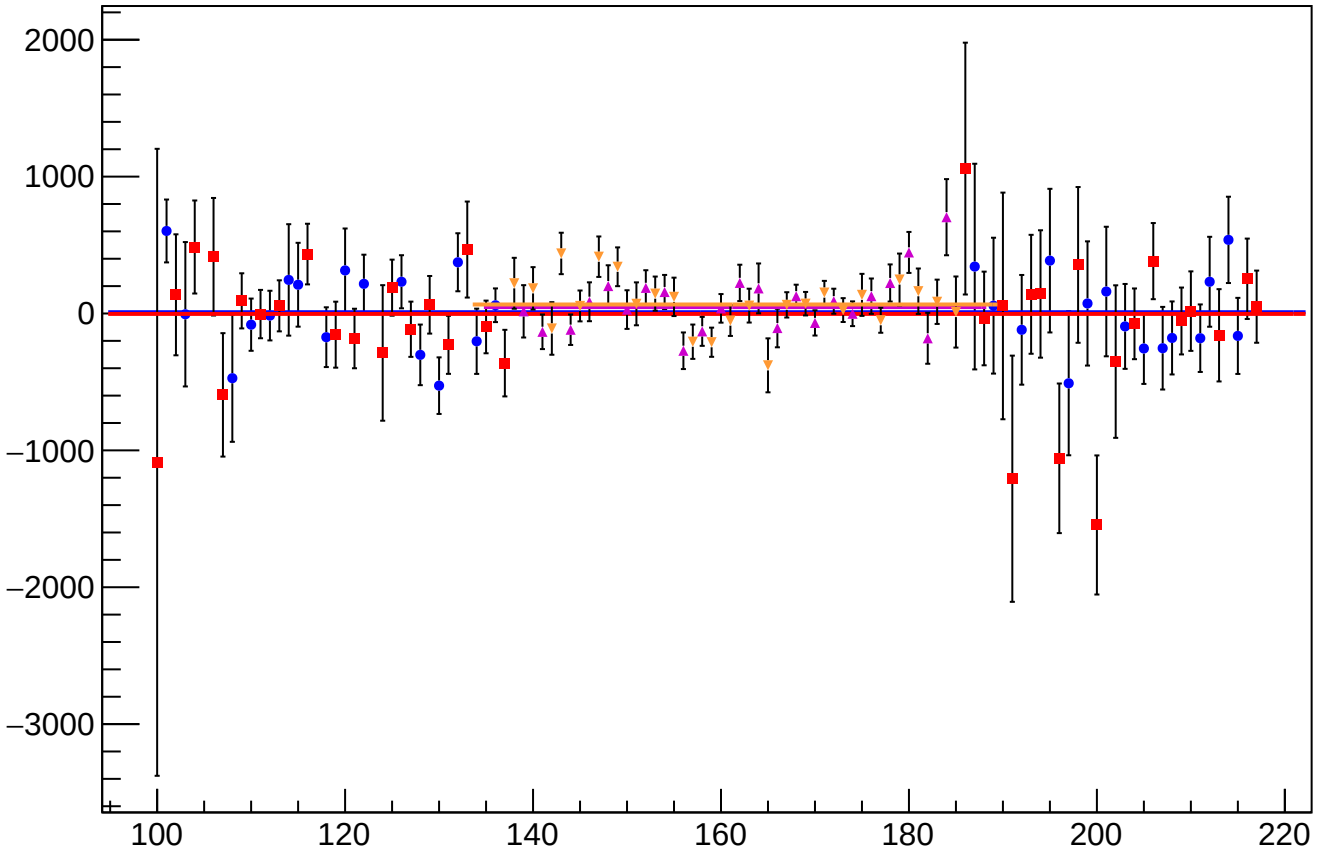
Right: 2064.532+/-0.246 χ^2/NDF: 8942637.2/66

In: 948.034+/-0.125 χ^2/NDF:17412949.6/53

Out: 961.173+/-0.124 χ^2/NDF:19363448.2/60

All: 954.678+/-0.088 χ^2/NDF: 36781940.6/11

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: -3.002+/-47.404 χ^2/NDF: 37.5/35

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

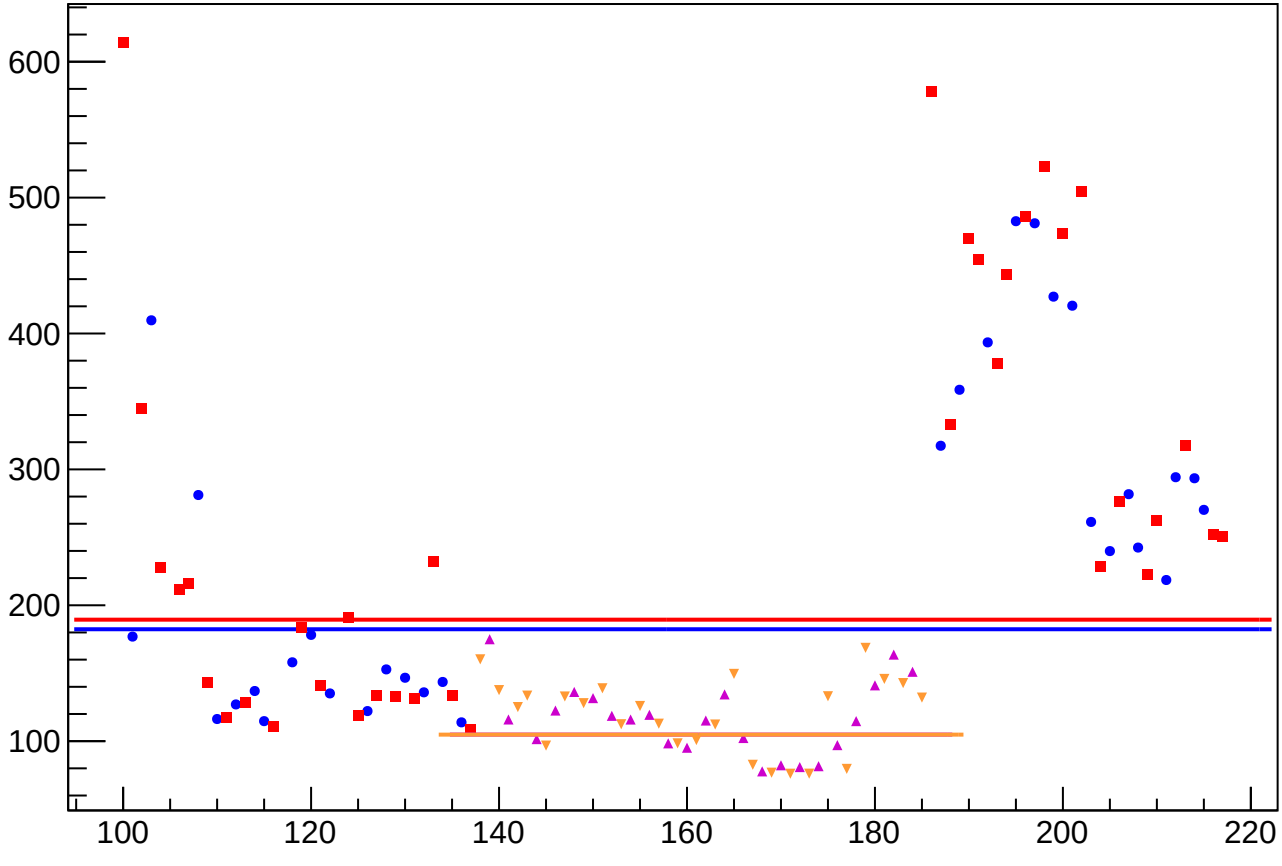
Right: 3.182+/-33.253 χ^2/NDF: 71.5/66

In: 38.226+/-22.508 χ^2/NDF:73.1/53

Out: 50.696+/-22.154 χ^2/NDF:79.2/60

All: 44.560+/-15.789 χ^2/NDF: 152.4/114

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: 189.409+/-0.034 χ^2/NDF: 7976691.7/35

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

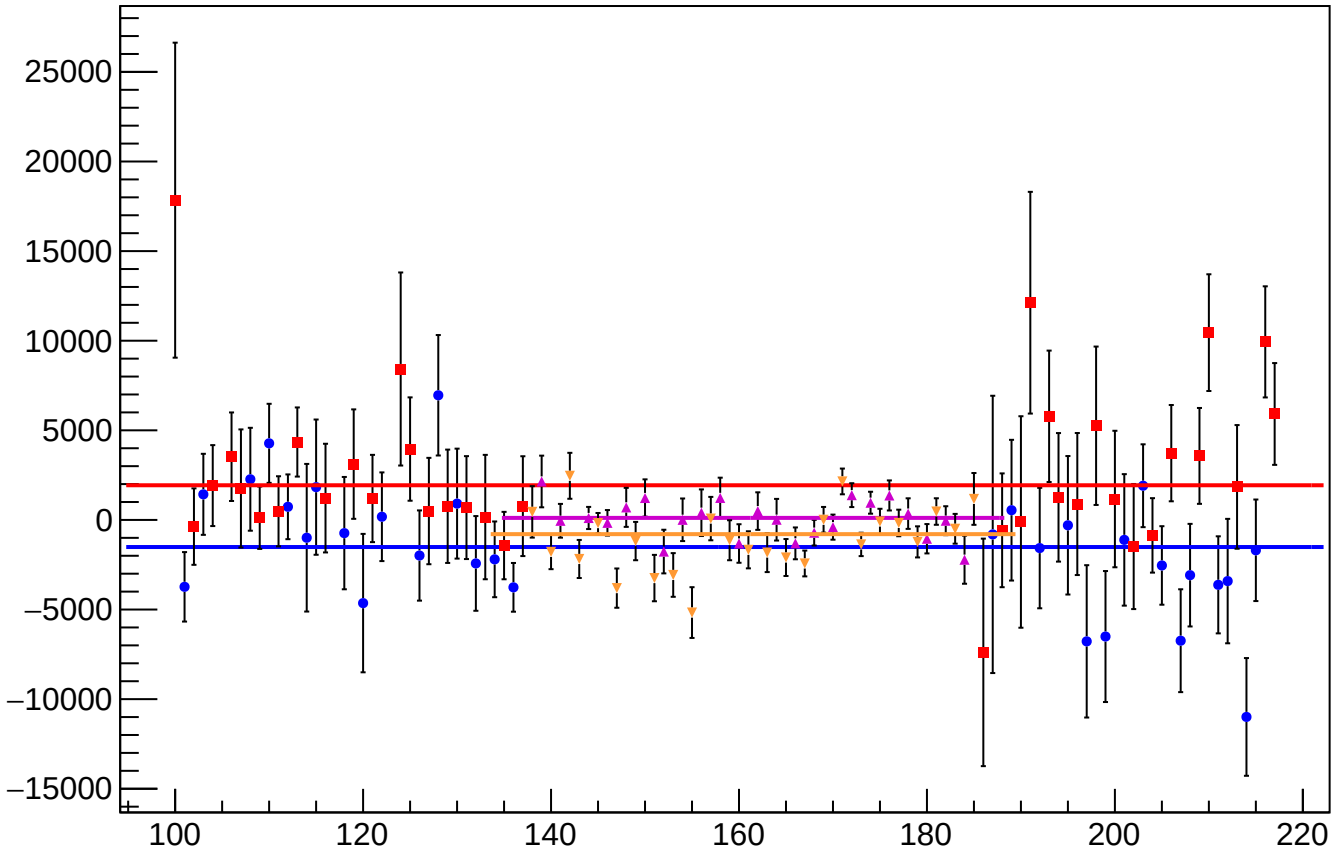
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 185.827+/-0.024 χ^2/NDF: 14720808.6/66

In: 122.876+/-0.016 χ^2/NDF:12572493.9/53

Out: 123.288+/-0.016 χ^2/NDF:15198114.2/60

All: 123.085+/-0.011 χ^2/NDF: 27770948.2/11



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: 1934.367+/-475.256 χ^2/NDF: 41.0/35

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

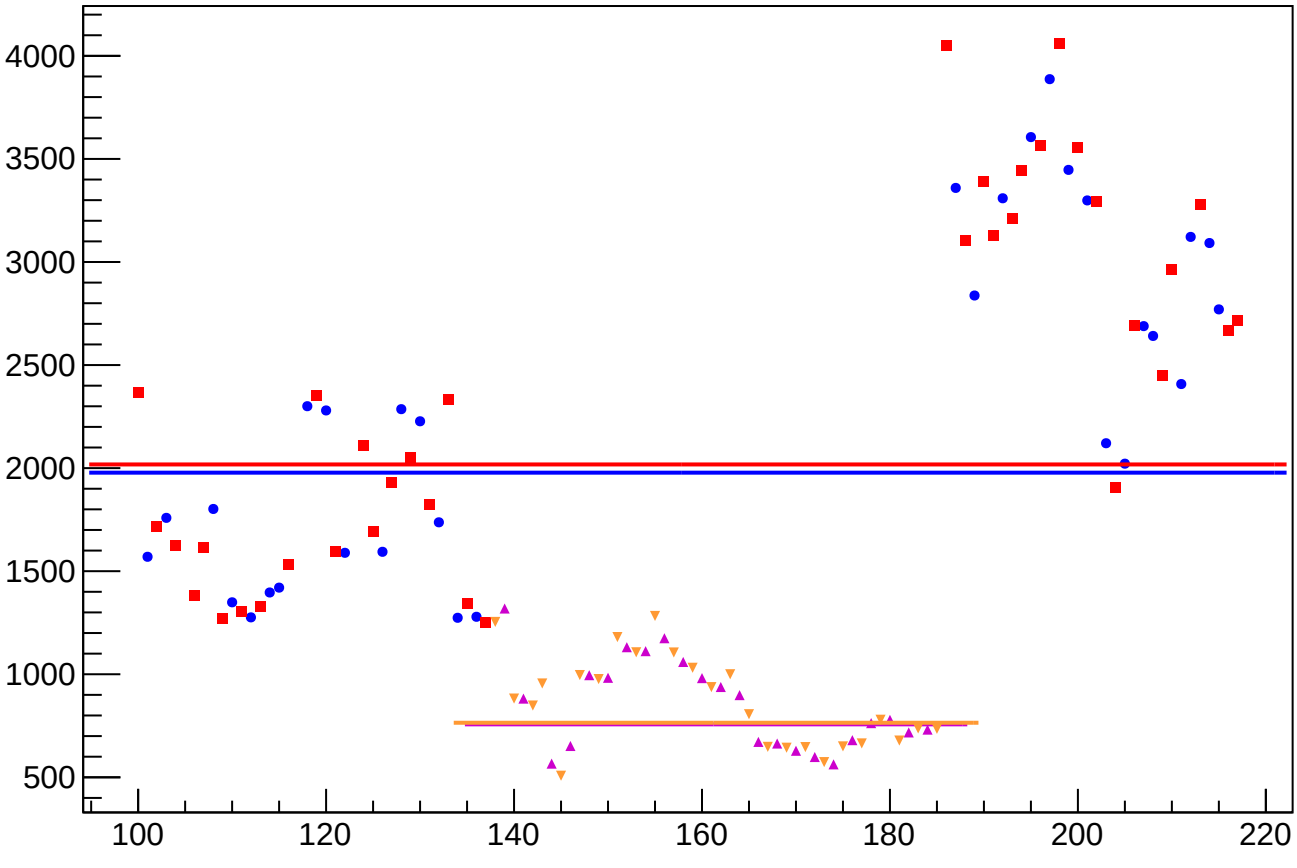
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 229.427+/-337.836 χ^2/NDF: 111.2/66

In: -92.642+/-171.112 χ^2/NDF:80.5/53

Out: -451.254+/-168.247 χ^2/NDF:139.8/60

All: -274.976+/-119.968 χ^2/NDF: 222.5/114



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: 2017.834+/-0.336 χ^2/NDF: 5048251.3/35

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

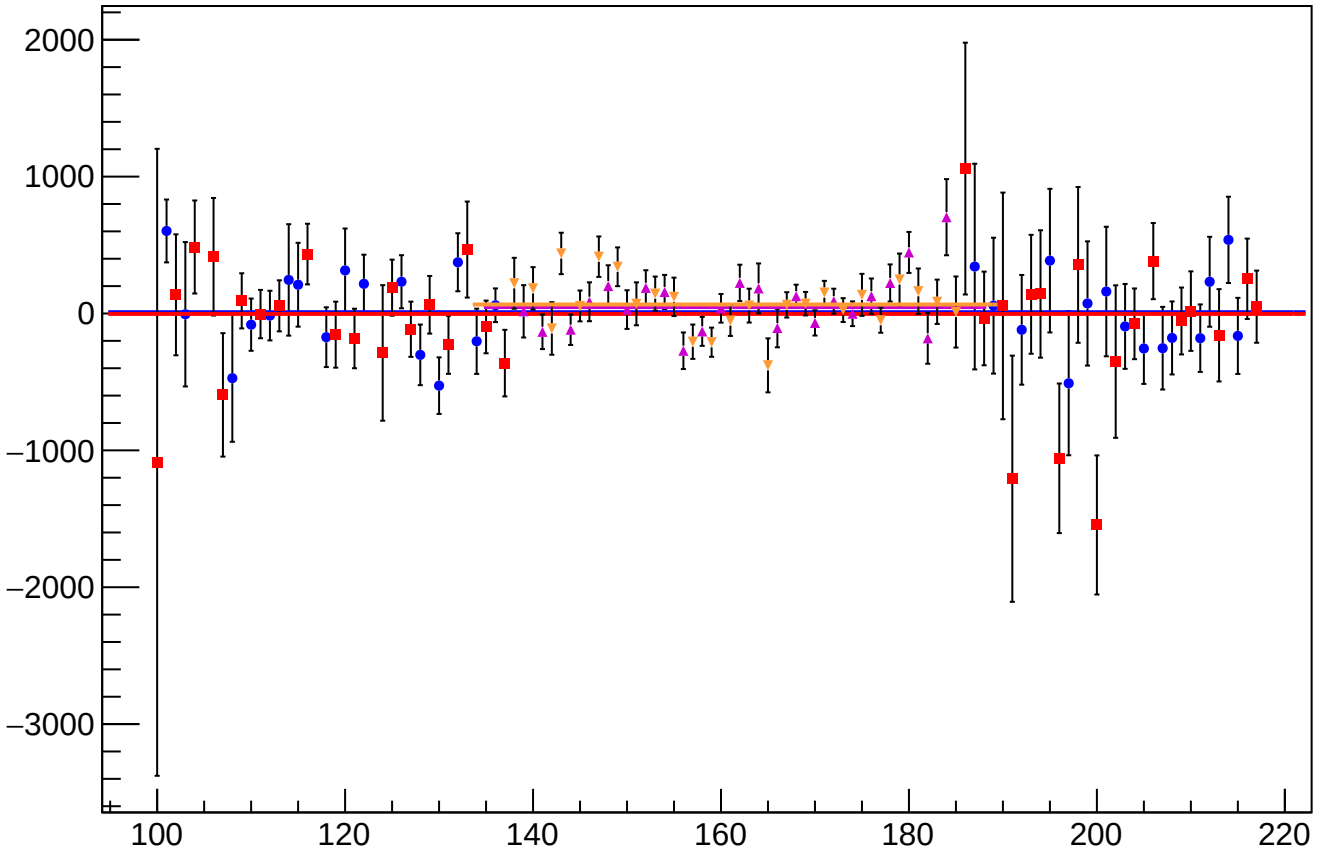
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1998.114+/-0.239 χ^2/NDF: 9351728.6/66

In: 911.884+/-0.121 χ^2/NDF:17696134.9/53

Out: 921.779+/-0.119 χ^2/NDF:19635489.7/60

All: 916.915+/-0.085 χ^2/NDF: 37335024.9/1



Right In: 9.173+/-46.658 χ^2/NDF: 34.0/30

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -3.006+/-47.404 χ^2/NDF: 37.5/35

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

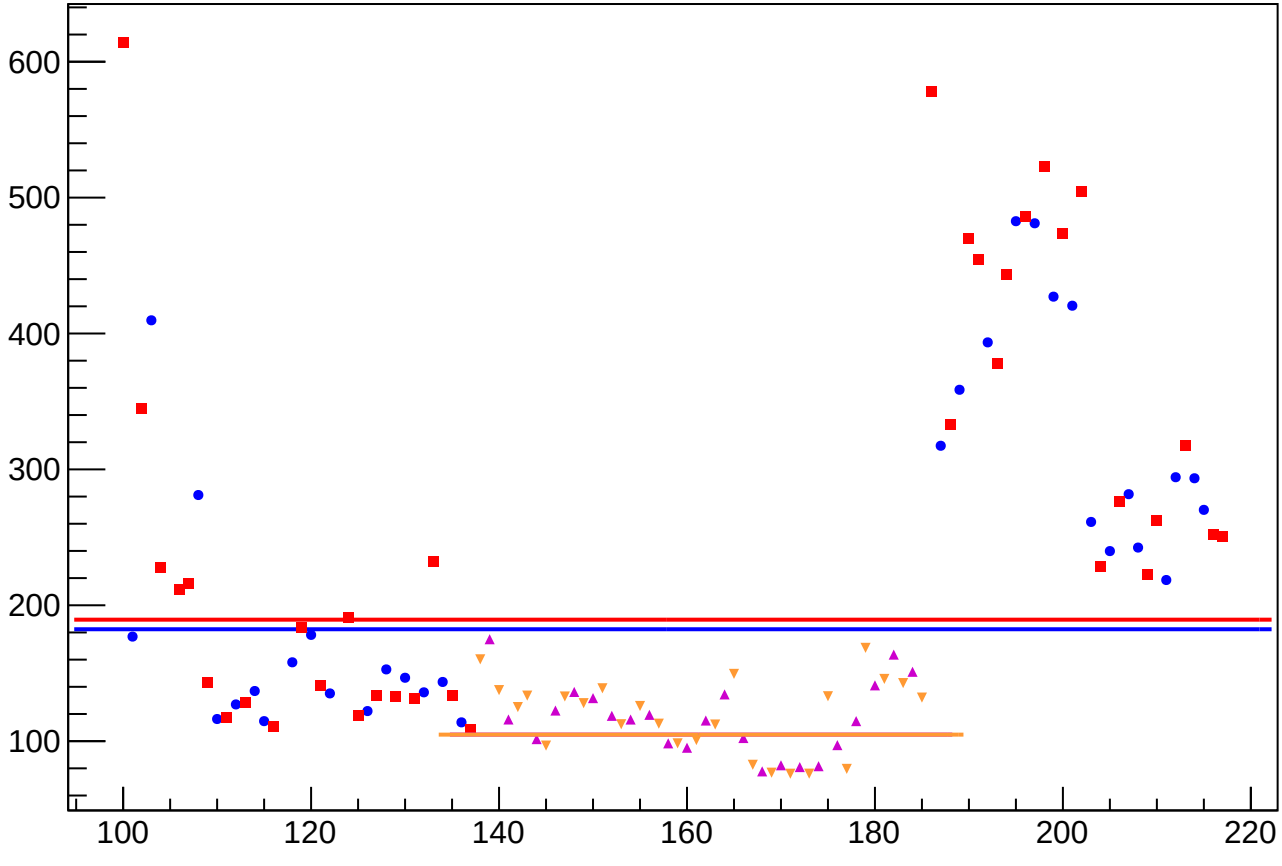
Right: 3.180+/-33.253 χ^2/NDF: 71.5/66

In: 38.226+/-22.508 χ^2/NDF:73.1/53

Out: 50.696+/-22.154 χ^2/NDF:79.2/60

All: 44.560+/-15.789 χ^2/NDF: 152.4/114

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: 189.409+/-0.034 χ^2/NDF: 7976666.6/35

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

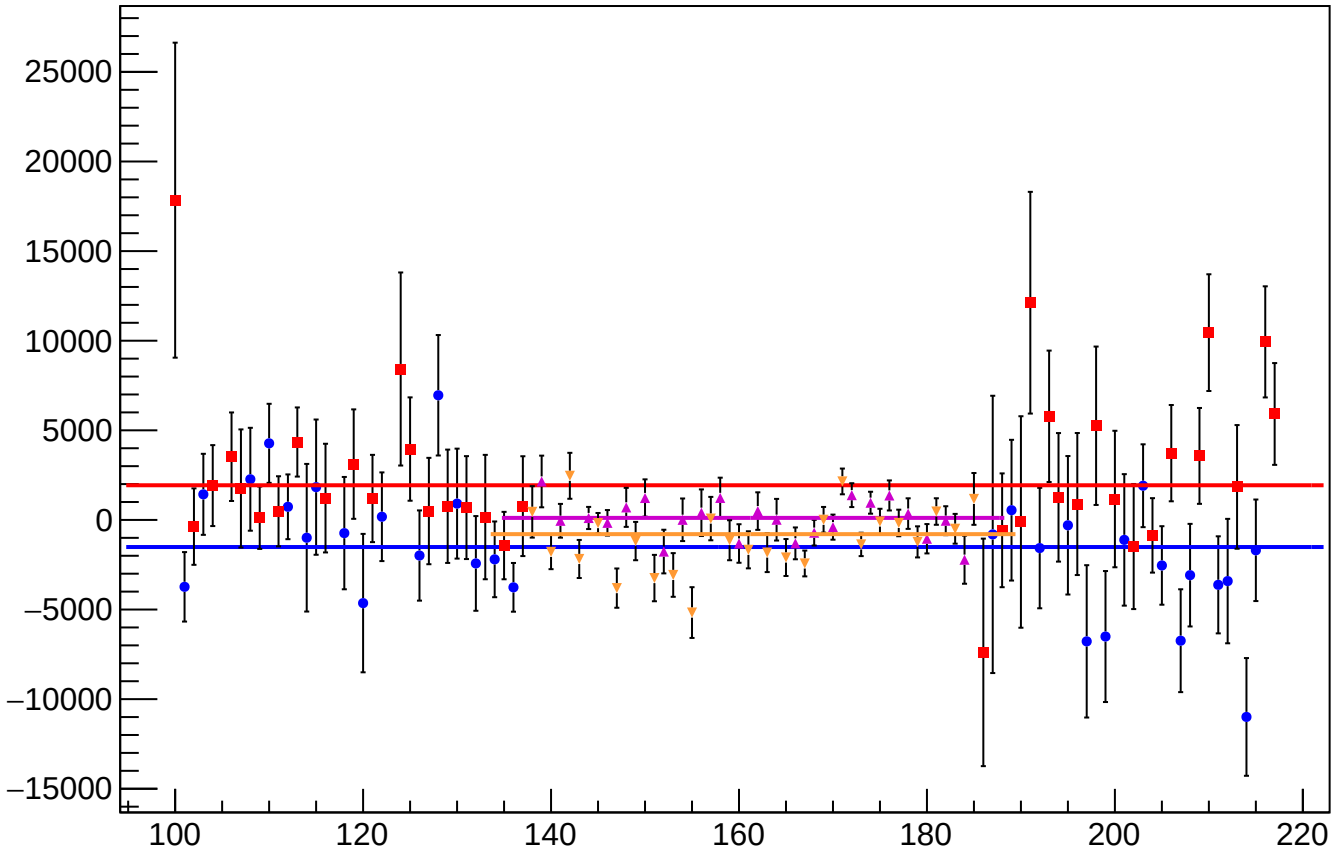
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 185.828+/-0.024 χ^2/NDF: 14720772.6/66

In: 122.876+/-0.016 χ^2/NDF:12572476.3/53

Out: 123.288+/-0.016 χ^2/NDF:15198107.6/60

All: 123.086+/-0.011 χ^2/NDF: 27770924.1/11



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: 1934.364+/-475.255 χ^2/NDF: 41.0/35

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

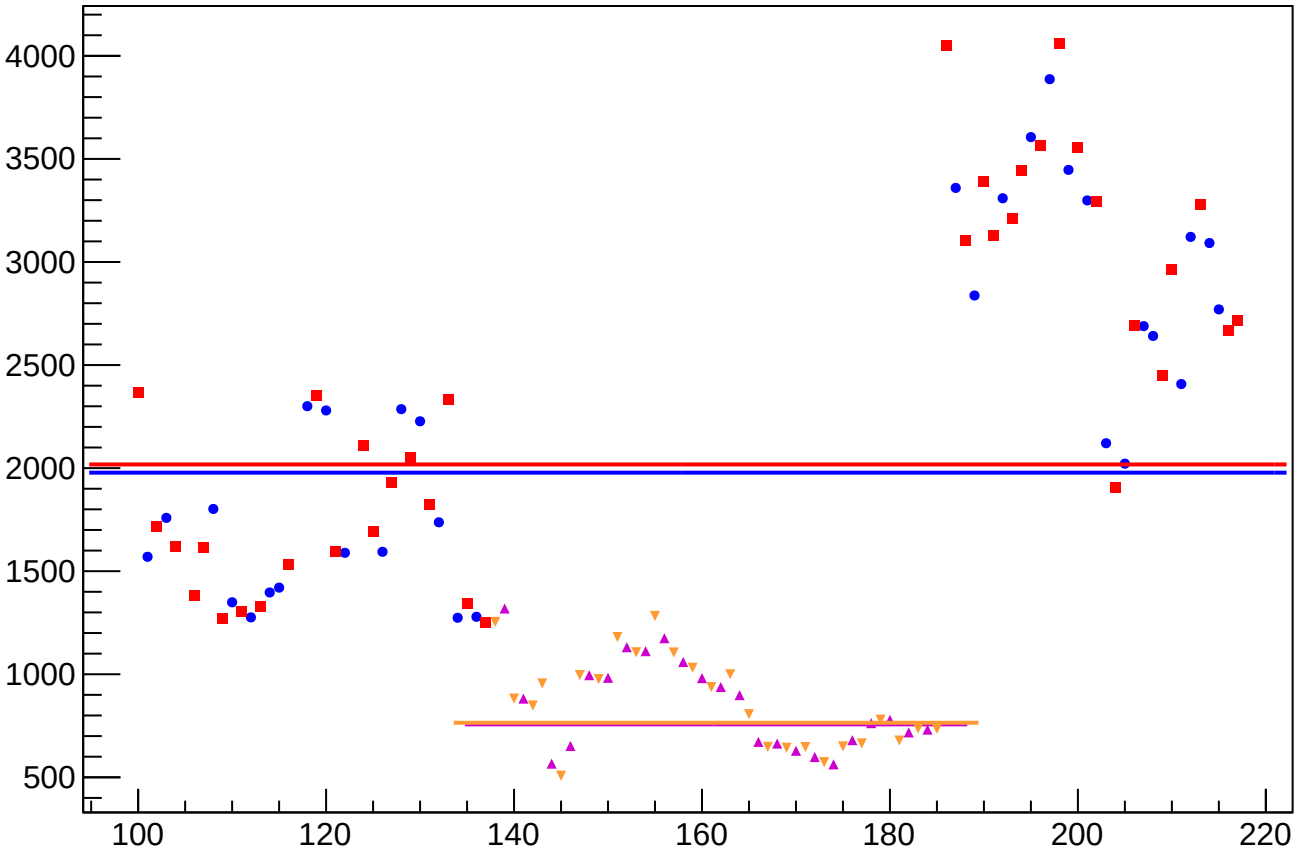
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 229.427+/-337.836 χ^2/NDF: 111.2/66

In: -92.642+/-171.112 χ^2/NDF:80.5/53

Out: -451.255+/-168.246 χ^2/NDF:139.8/60

All: -274.976+/-119.968 χ^2/NDF: 222.5/114



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: 2017.832+/-0.336 χ^2/NDF: 5048253.6/35

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

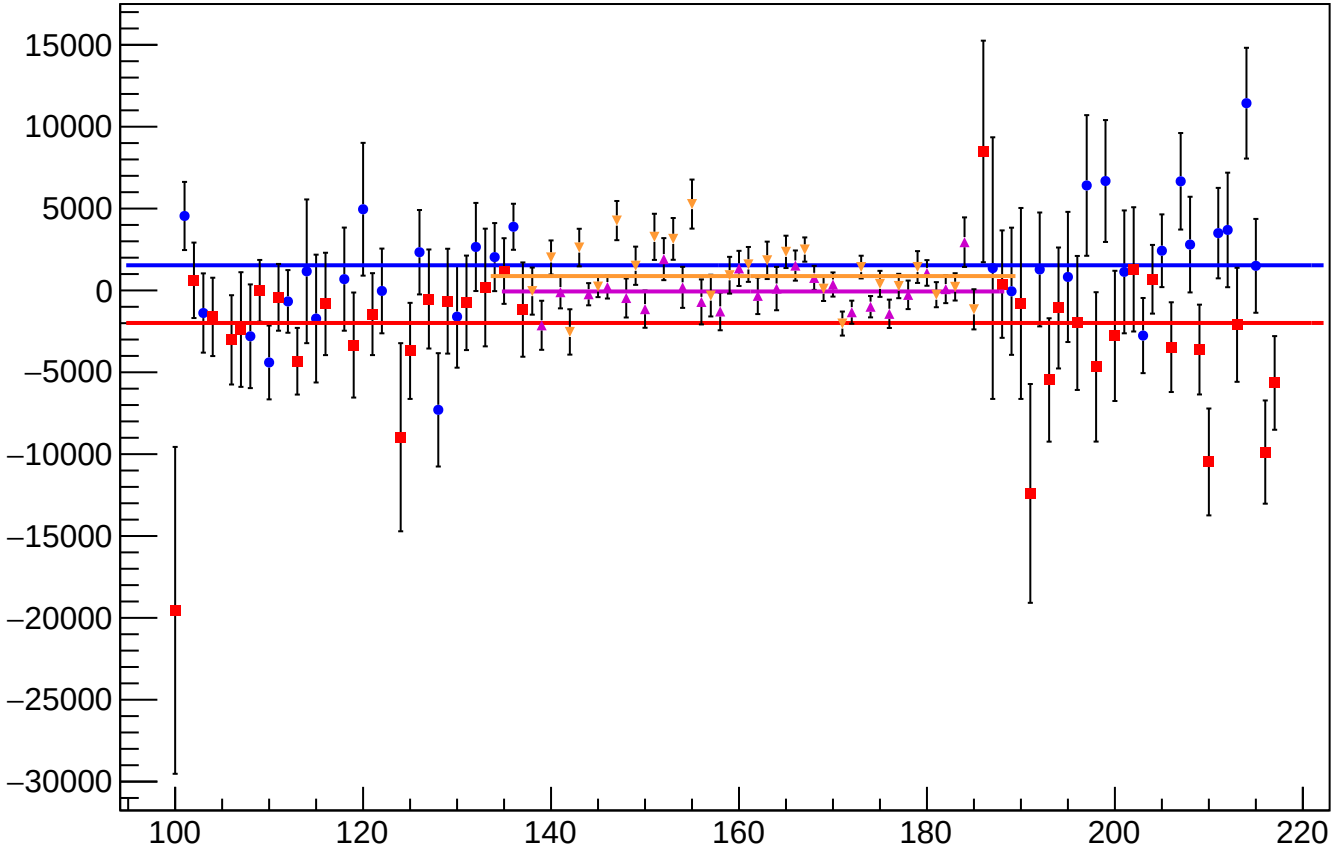
Right: 1998.112+/-0.239 χ^2/NDF: 9351729.3/66

In: 911.883+/-0.121 χ^2/NDF:17696128.9/53

Out: 921.778+/-0.119 χ^2/NDF:19635476.7/60

All: 916.914+/-0.085 χ^2/NDF: 37335006.0/1

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: -1987.606+/-495.400 χ^2/NDF: 37.6/35

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

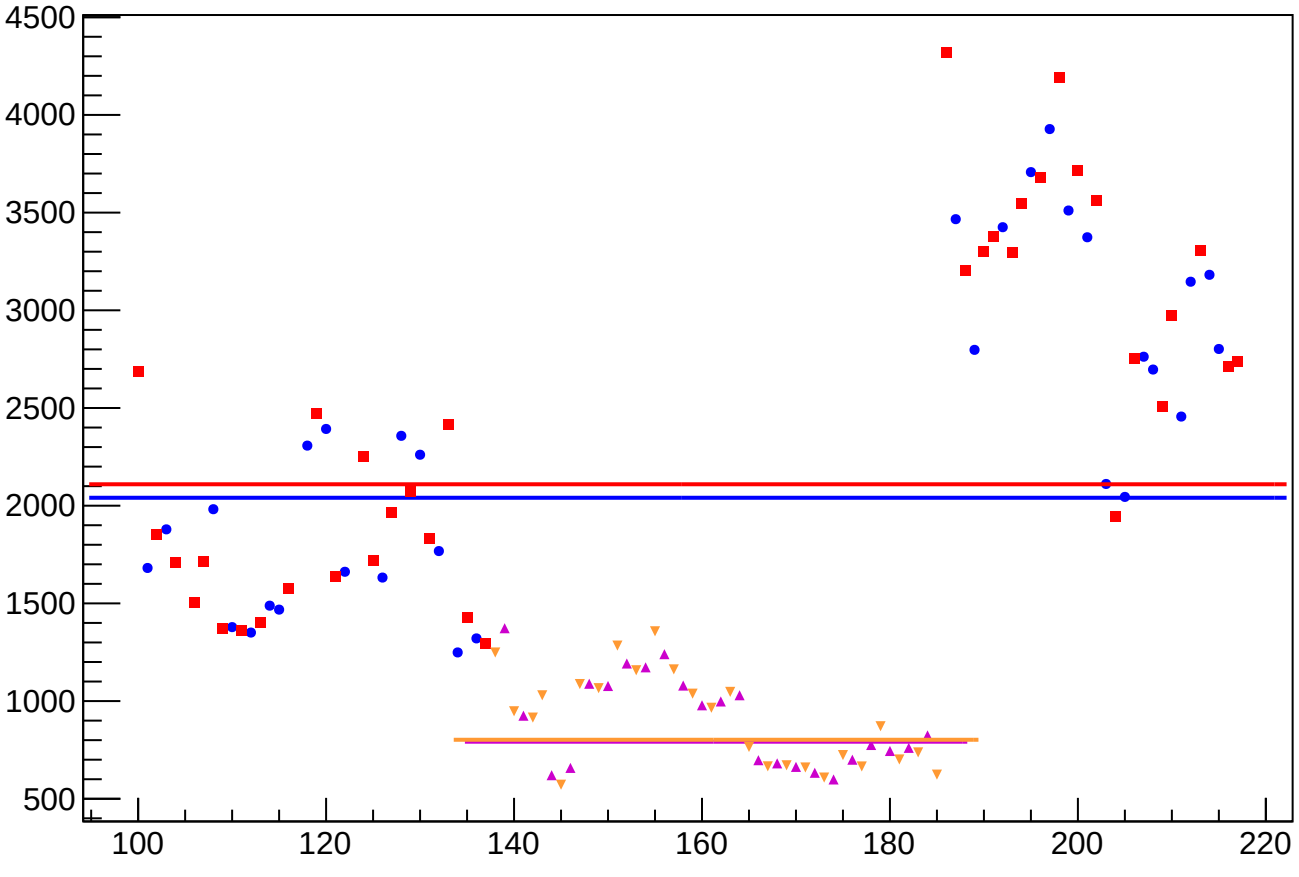
Right: -223.750+/-350.113 χ^2/NDF: 108.9/66

In: 145.698+/-178.672 χ^2/NDF:82.1/53

Out: 512.586+/-176.584 χ^2/NDF:134.0/60

All: 331.299+/-125.596 χ^2/NDF: 218.3/114

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: 2109.656+/-0.350 χ^2/NDF: 4783420.3/35

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

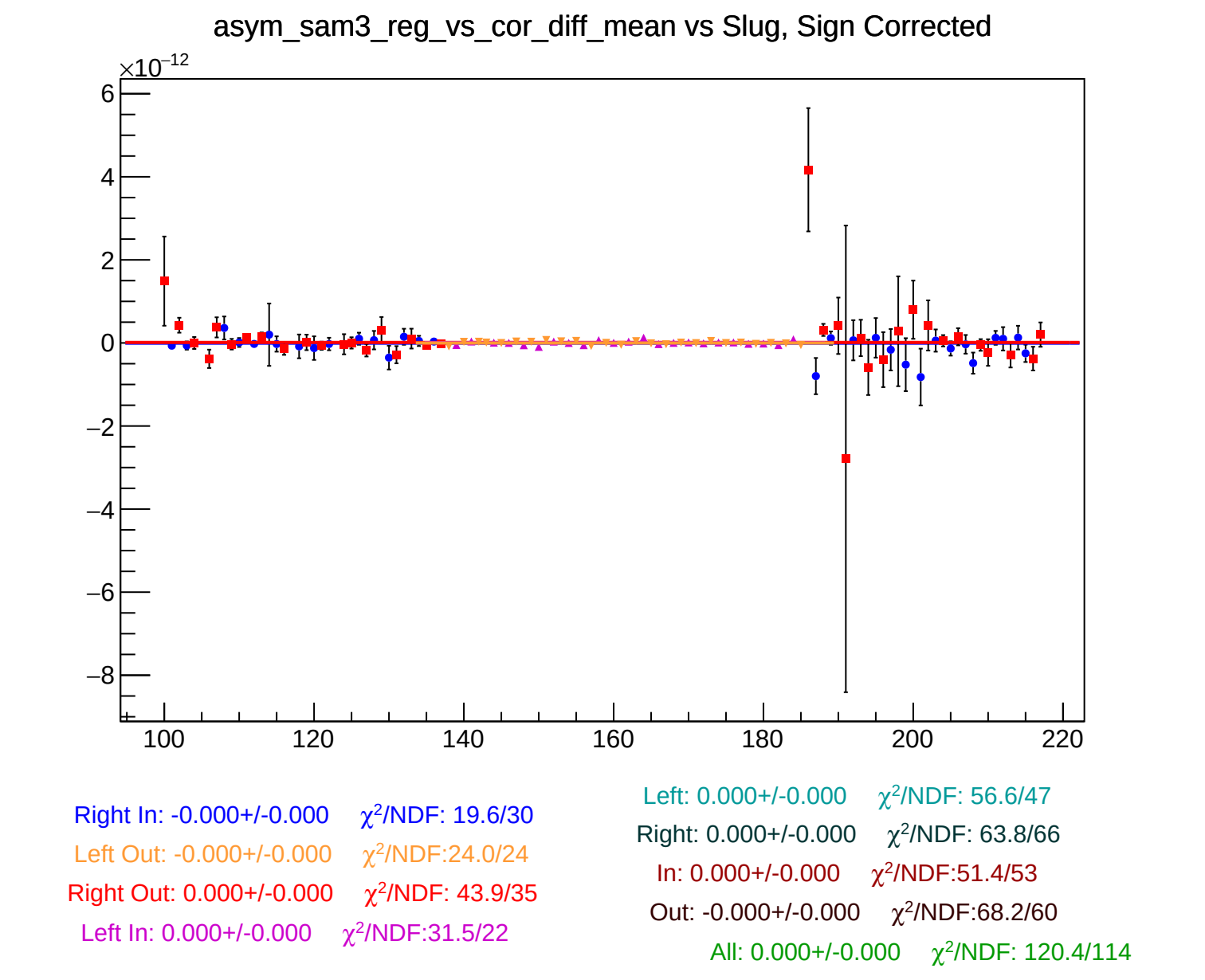
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

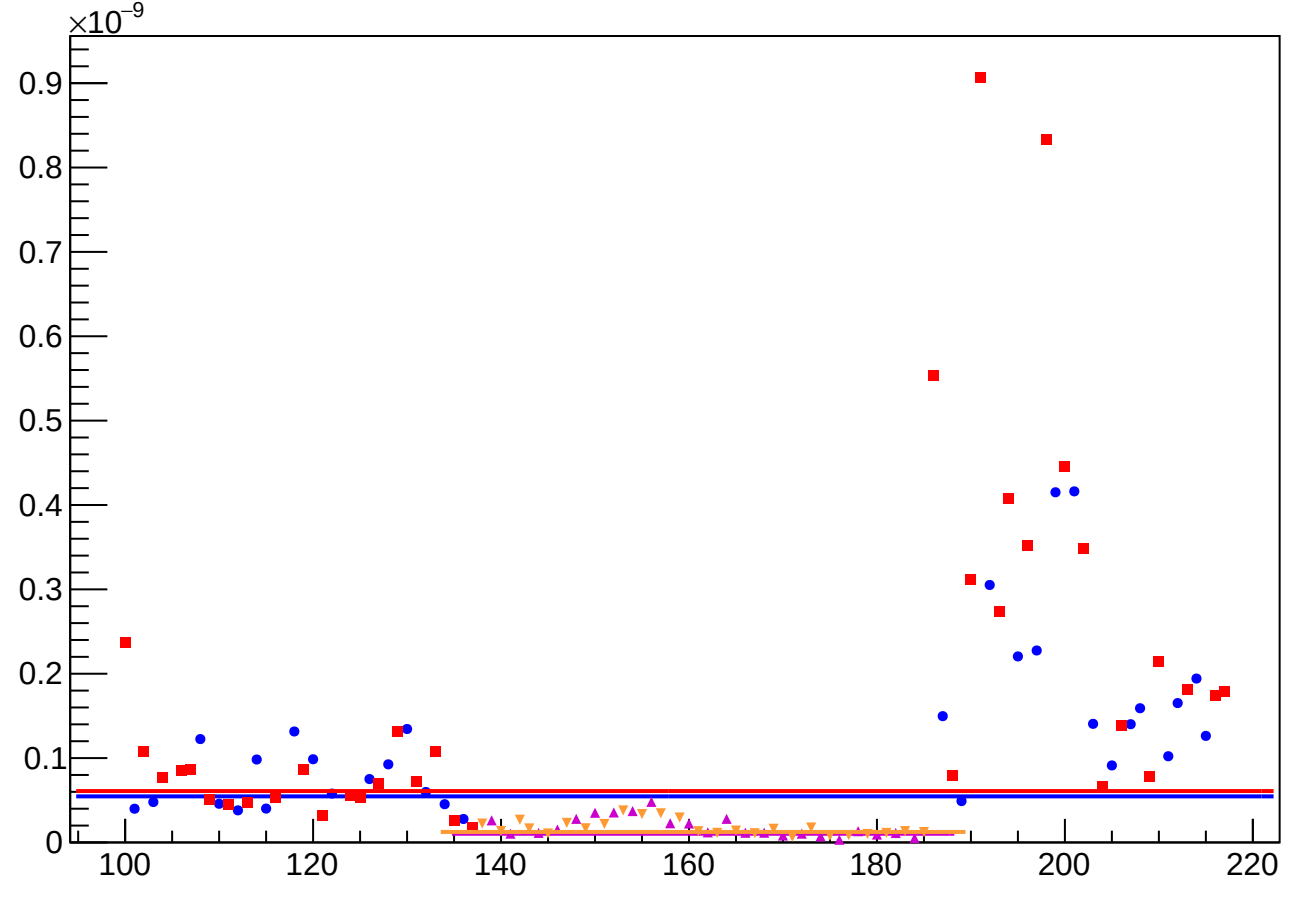
Right: 2075.094+/-0.248 χ^2/NDF: 8958232.9/66

In: 954.817+/-0.126 χ^2/NDF:17362247.6/53

Out: 968.156+/-0.125 χ^2/NDF:19343631.7/60

All: 961.565+/-0.089 χ^2/NDF: 36711518.8/1


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 19.6/30
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.9/35
Left In: 0.000+/-0.000 χ²/NDF:31.5/22
Left: 0.000+/-0.000 χ²/NDF: 56.6/47
Right: 0.000+/-0.000 χ²/NDF: 63.8/66
In: 0.000+/-0.000 χ²/NDF:51.4/53
Out: -0.000+/-0.000 χ²/NDF:68.2/60
All: 0.000+/-0.000 χ²/NDF: 120.4/114



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: 7280439.5/35

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

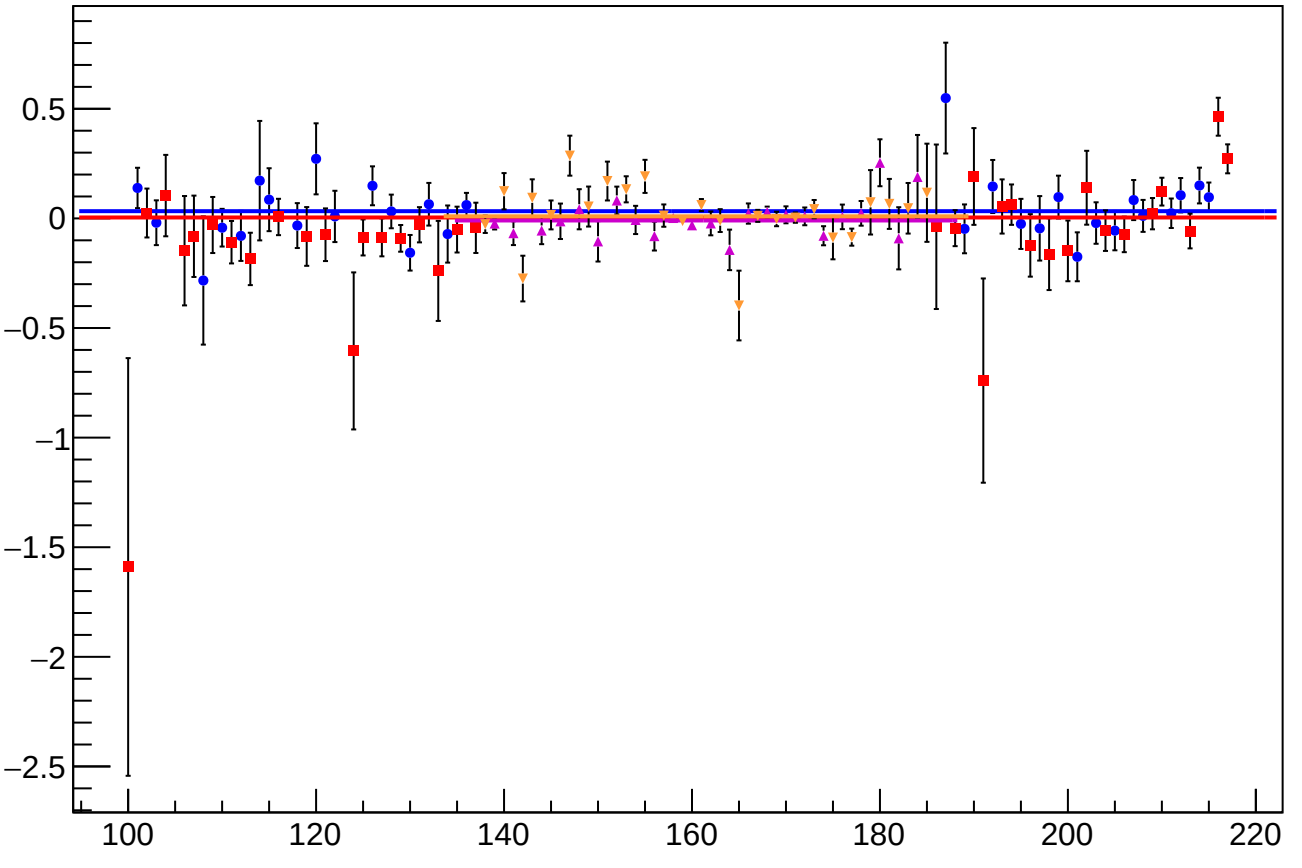
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13324870.1/66

In: 0.000+/-0.000 χ^2/NDF:15619232.3/53

Out: 0.000+/-0.000 χ^2/NDF:15485791.1/60

All: 0.000+/-0.000 χ^2/NDF: 31311671.2/114



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: 0.004+/-0.017 χ^2/NDF: 75.9/35

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

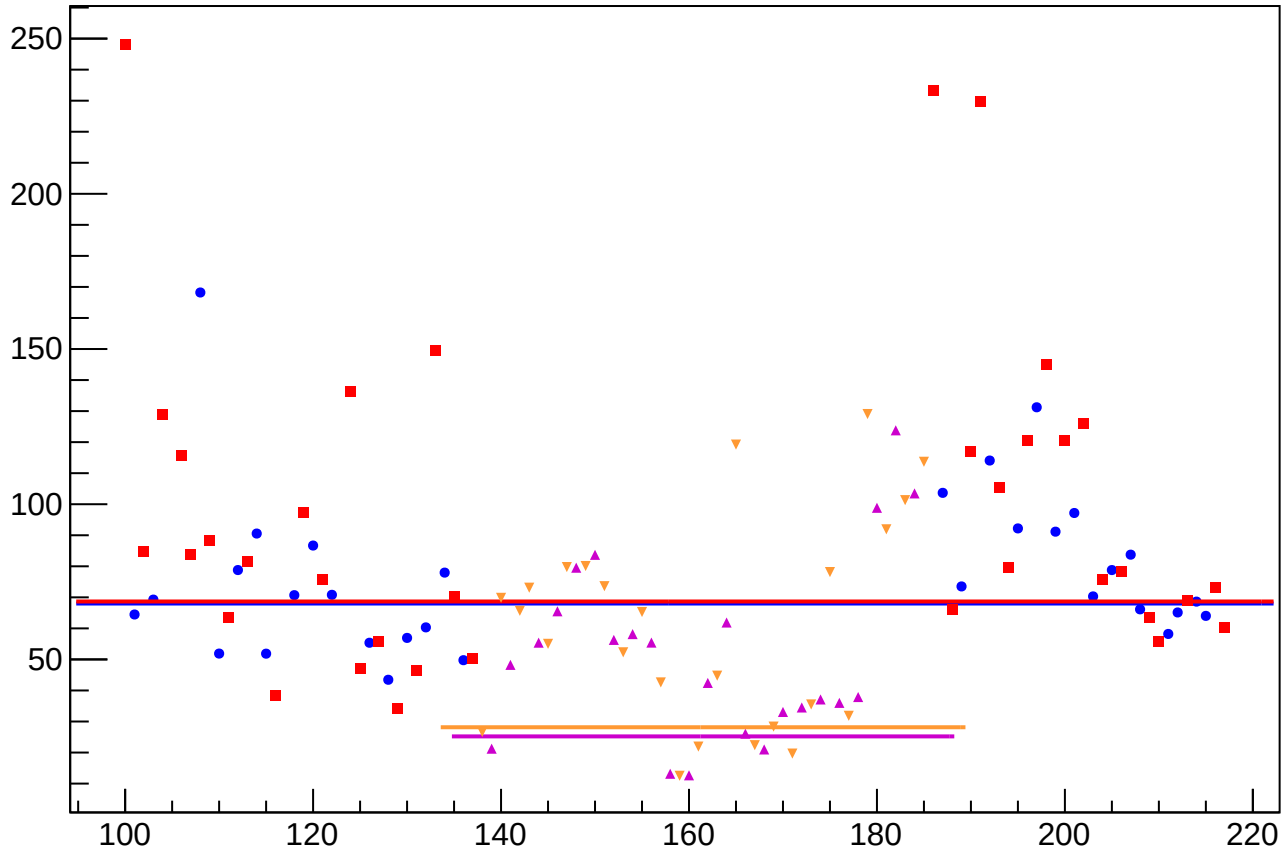
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.019+/-0.012 χ^2/NDF: 108.5/66

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.009+/-0.008 χ^2/NDF:130.6/60

All: 0.003+/-0.005 χ^2/NDF: 193.1/114



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: 68.667+/-0.012 χ^2/NDF: 4505689.5/35

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

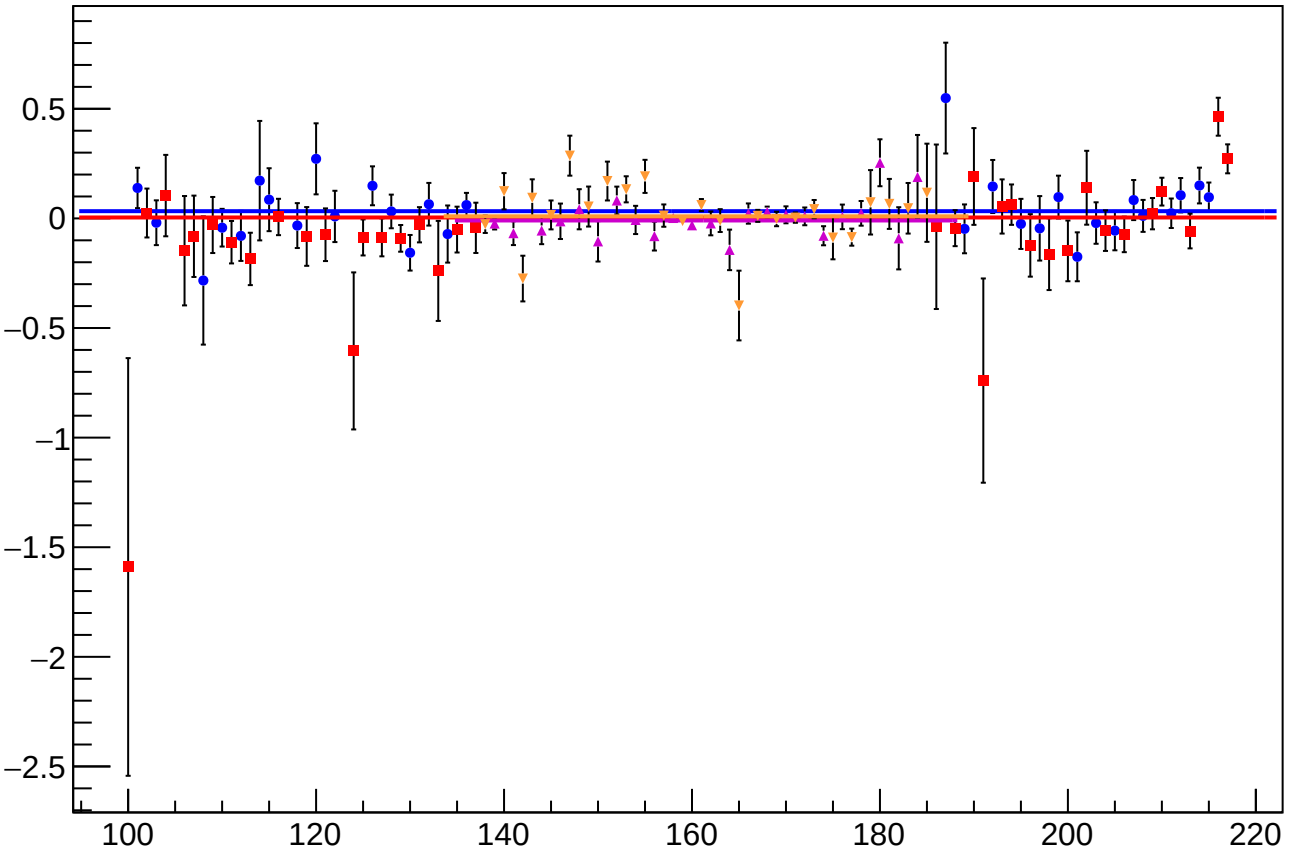
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.337+/-0.009 χ^2/NDF: 6609580.4/66

In: 32.765+/-0.005 χ^2/NDF:22374298.6/53

Out: 35.963+/-0.005 χ^2/NDF:24426172.0/60

All: 34.276+/-0.004 χ^2/NDF: 46987390.4/114



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: 0.004+/-0.017 χ^2/NDF: 75.9/35

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

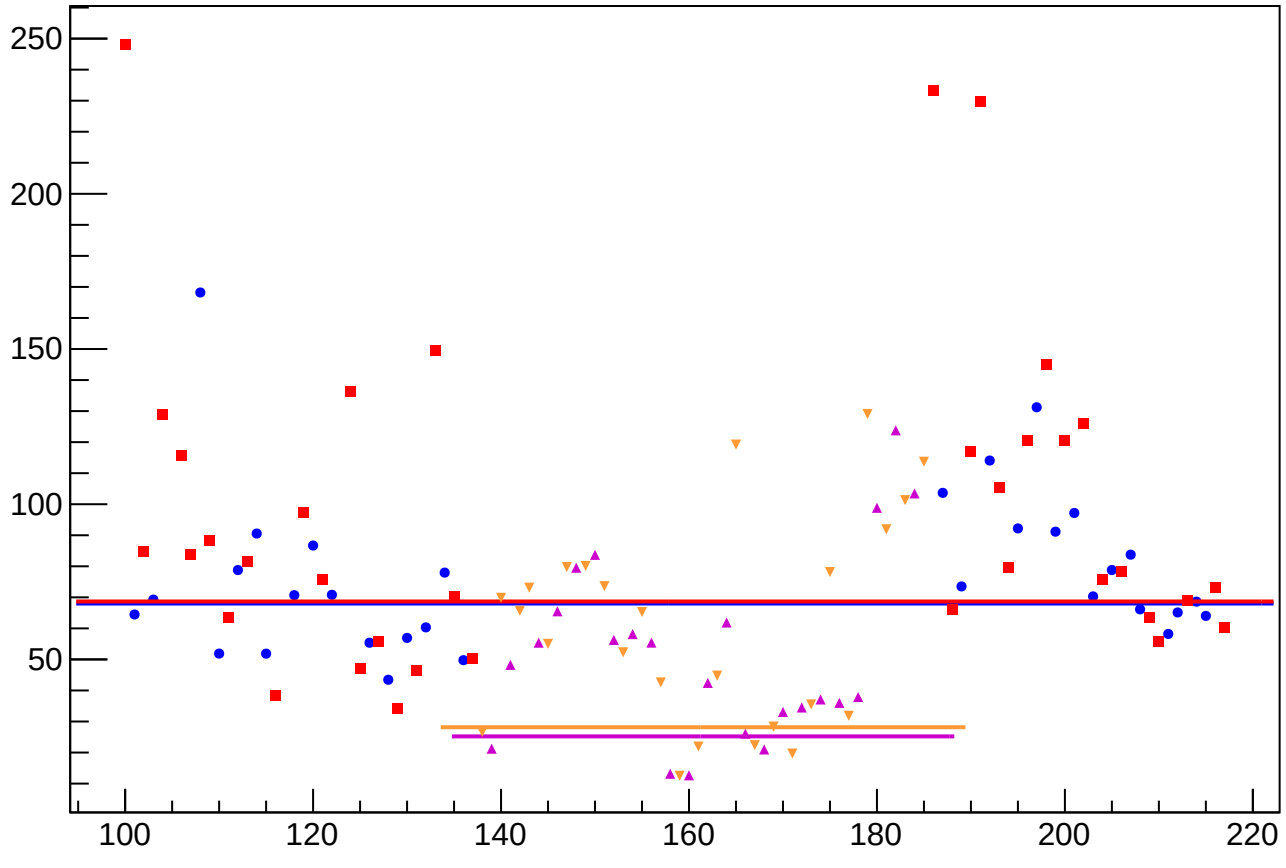
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.019+/-0.012 χ^2/NDF: 108.5/66

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.009+/-0.008 χ^2/NDF:130.6/60

All: 0.003+/-0.005 χ^2/NDF: 193.1/114



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: 68.667+/-0.012 χ^2/NDF: 4505689.5/35

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

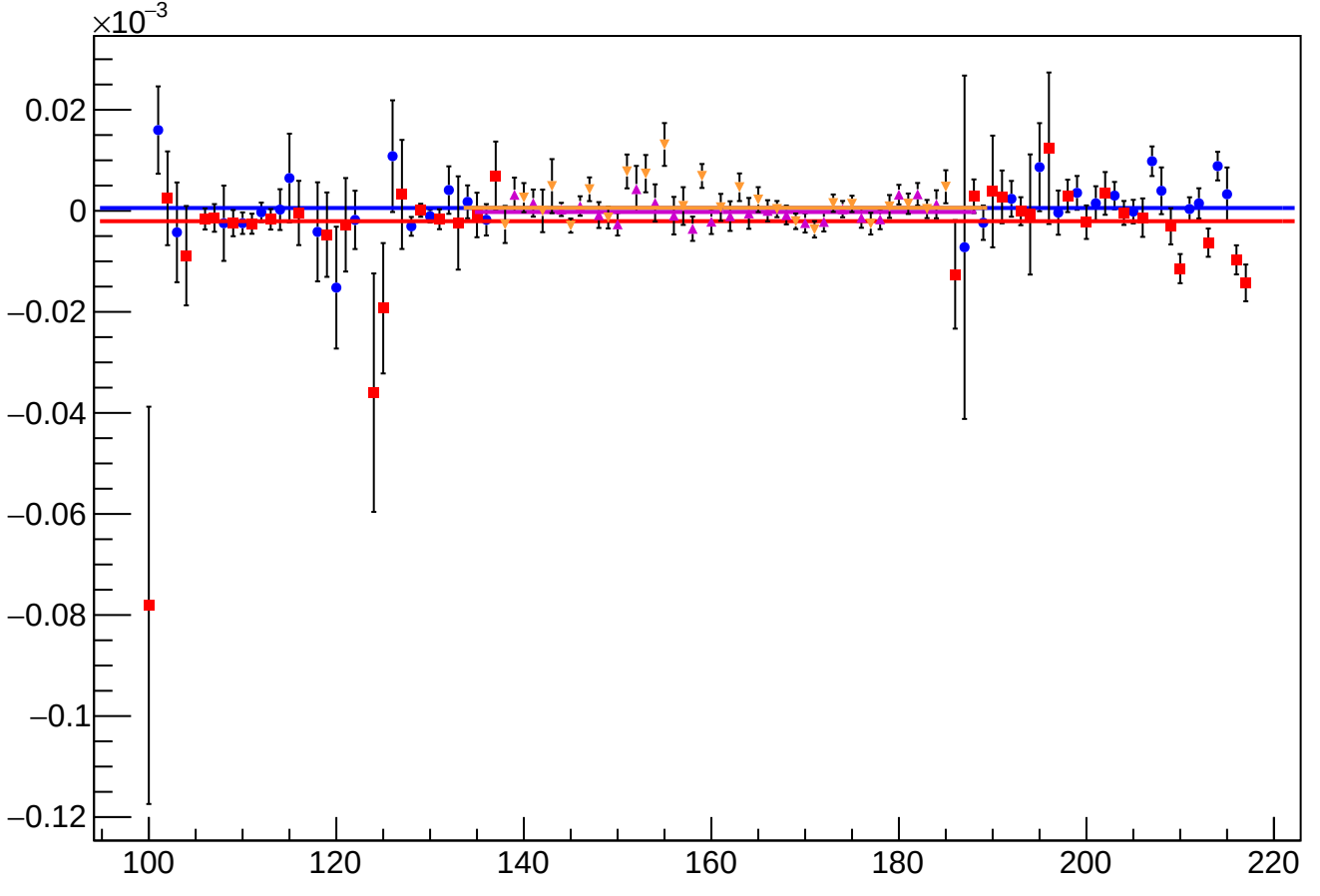
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.337+/-0.009 χ^2/NDF: 6609580.4/66

In: 32.765+/-0.005 χ^2/NDF:22374298.6/53

Out: 35.963+/-0.005 χ^2/NDF:24426172.0/60

All: 34.276+/-0.004 χ^2/NDF: 46987390.4/114



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: 55.4/35

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

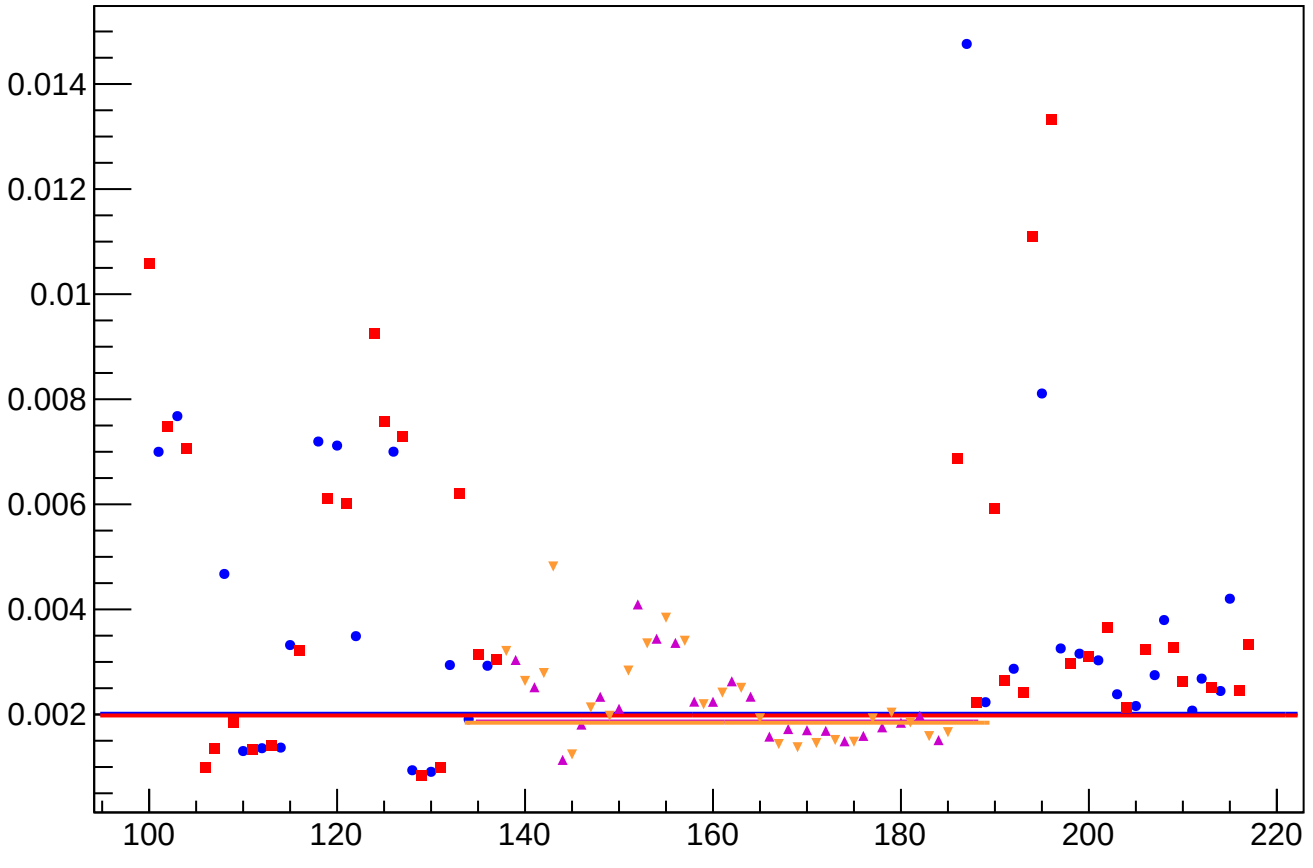
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 105.7/66

In: 0.000+/-0.000 χ^2/NDF:56.9/53

Out: -0.000+/-0.000 χ^2/NDF:121.9/60

All: -0.000+/-0.000 χ^2/NDF: 180.0/114



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: 11795662.0/35

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

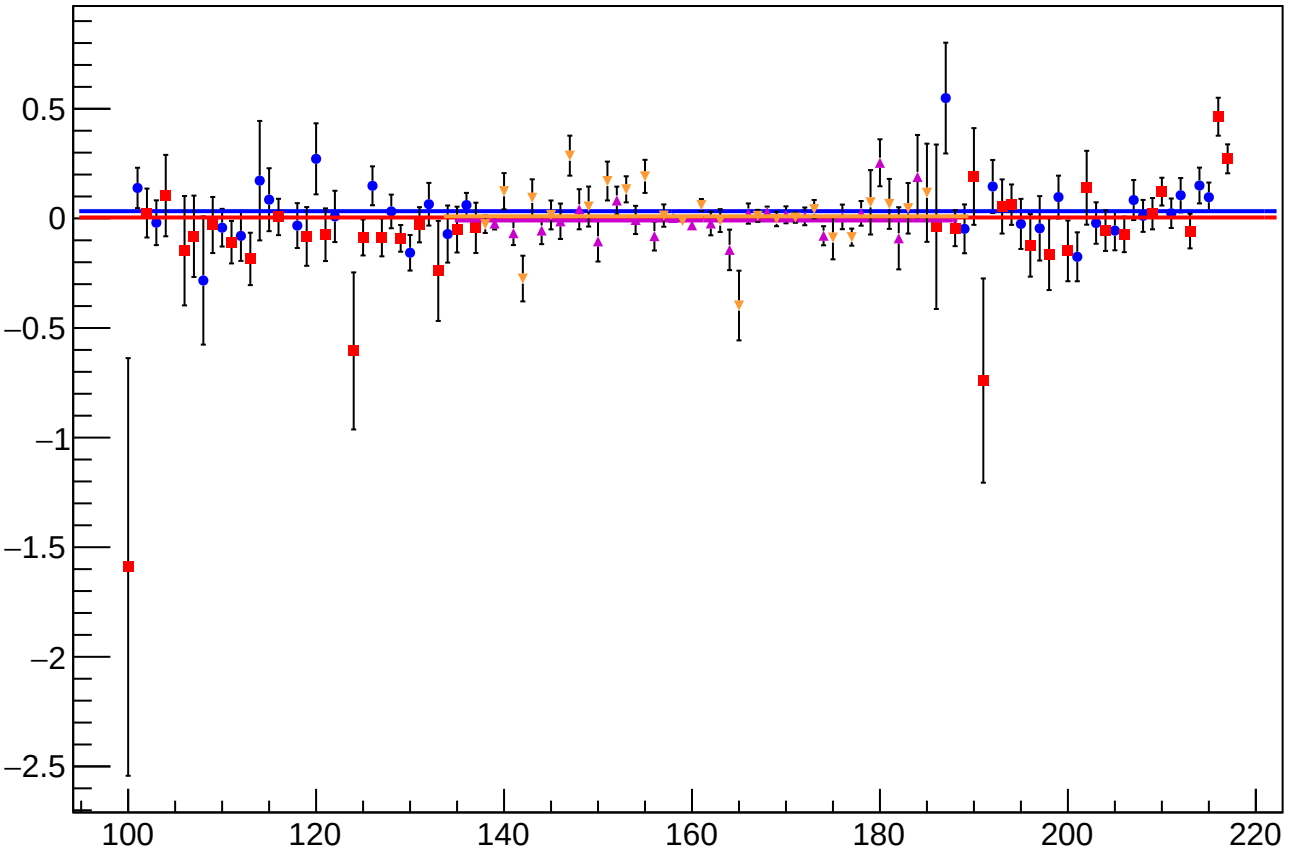
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 20784683.7/66

In: 0.002+/-0.000 χ^2/NDF:11864007.2/53

Out: 0.002+/-0.000 χ^2/NDF:15655416.7/60

All: 0.002+/-0.000 χ^2/NDF: 27525167.8/114



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: 0.004+/-0.017 χ^2/NDF: 75.8/35

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

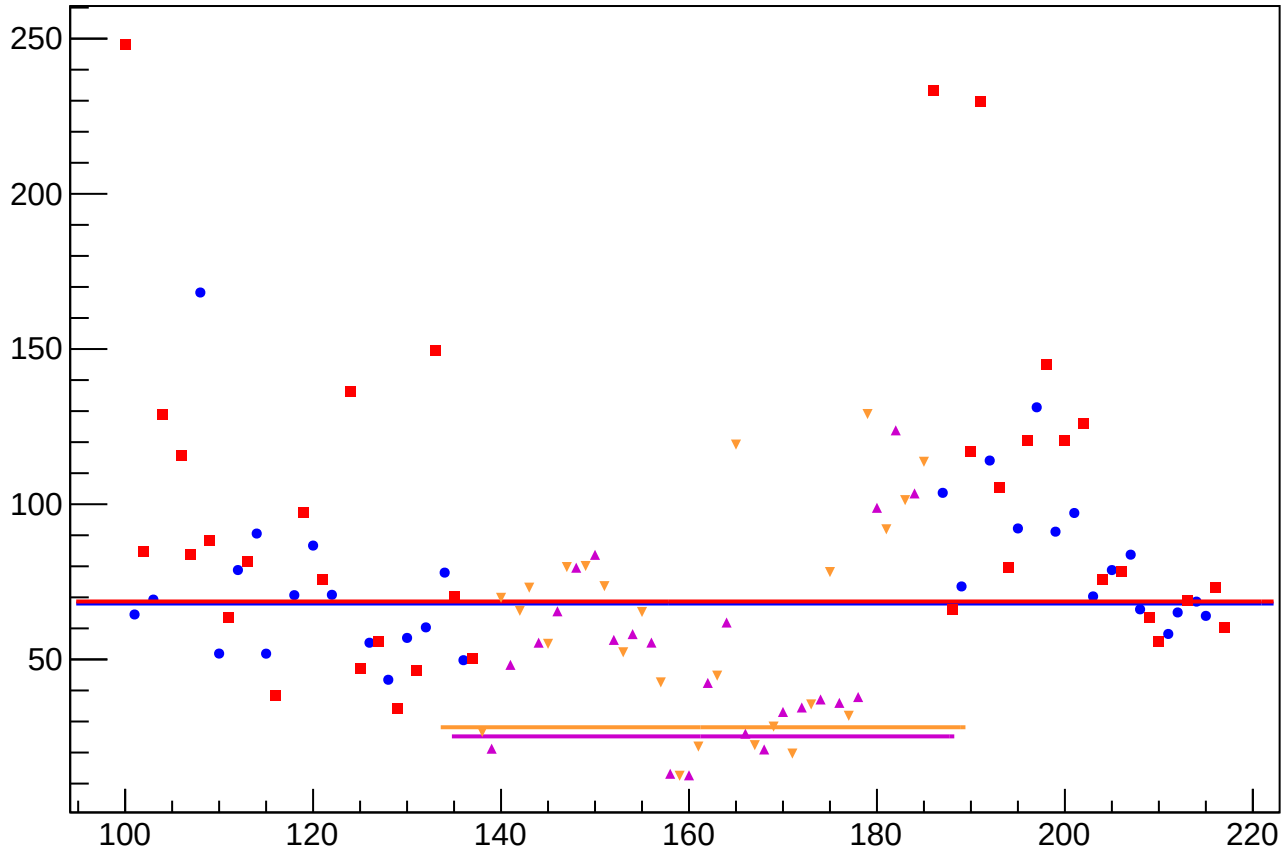
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.019+/-0.012 χ^2/NDF: 108.5/66

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.009+/-0.008 χ^2/NDF:130.6/60

All: 0.003+/-0.005 χ^2/NDF: 193.1/114



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: 68.668+/-0.012 χ^2/NDF: 4505746.7/35

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

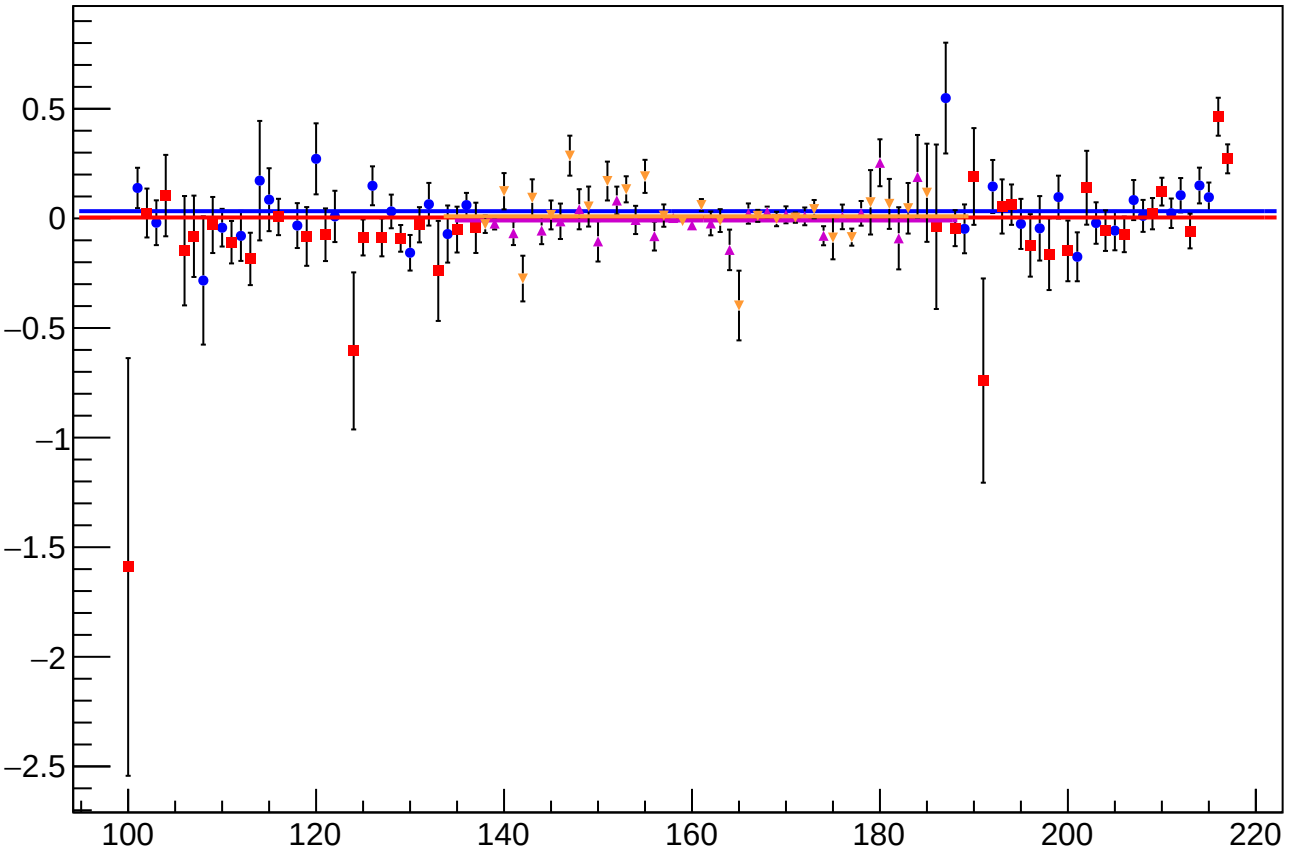
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.338+/-0.009 χ^2/NDF: 6609621.8/66

In: 32.765+/-0.005 χ^2/NDF:22375098.7/53

Out: 35.962+/-0.005 χ^2/NDF:24428077.9/60

All: 34.275+/-0.004 χ^2/NDF: 46990007.0/114



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: 0.004+/-0.017 χ^2/NDF: 75.8/35

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

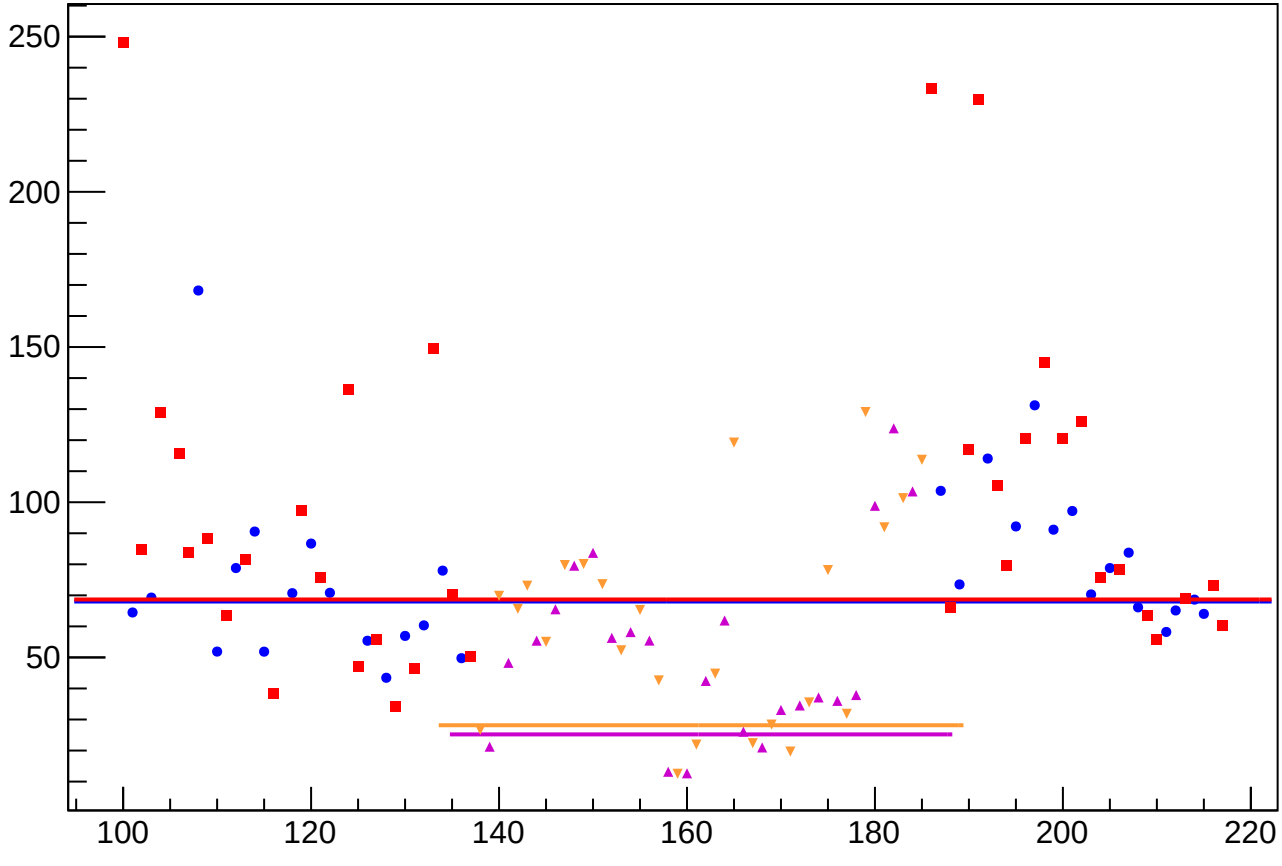
Right: 0.019+/-0.012 χ^2/NDF: 108.5/66

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.009+/-0.008 χ^2/NDF:130.6/60

All: 0.003+/-0.005 χ^2/NDF: 193.1/114

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: 68.668+/-0.012 χ^2/NDF: 4505746.7/35

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

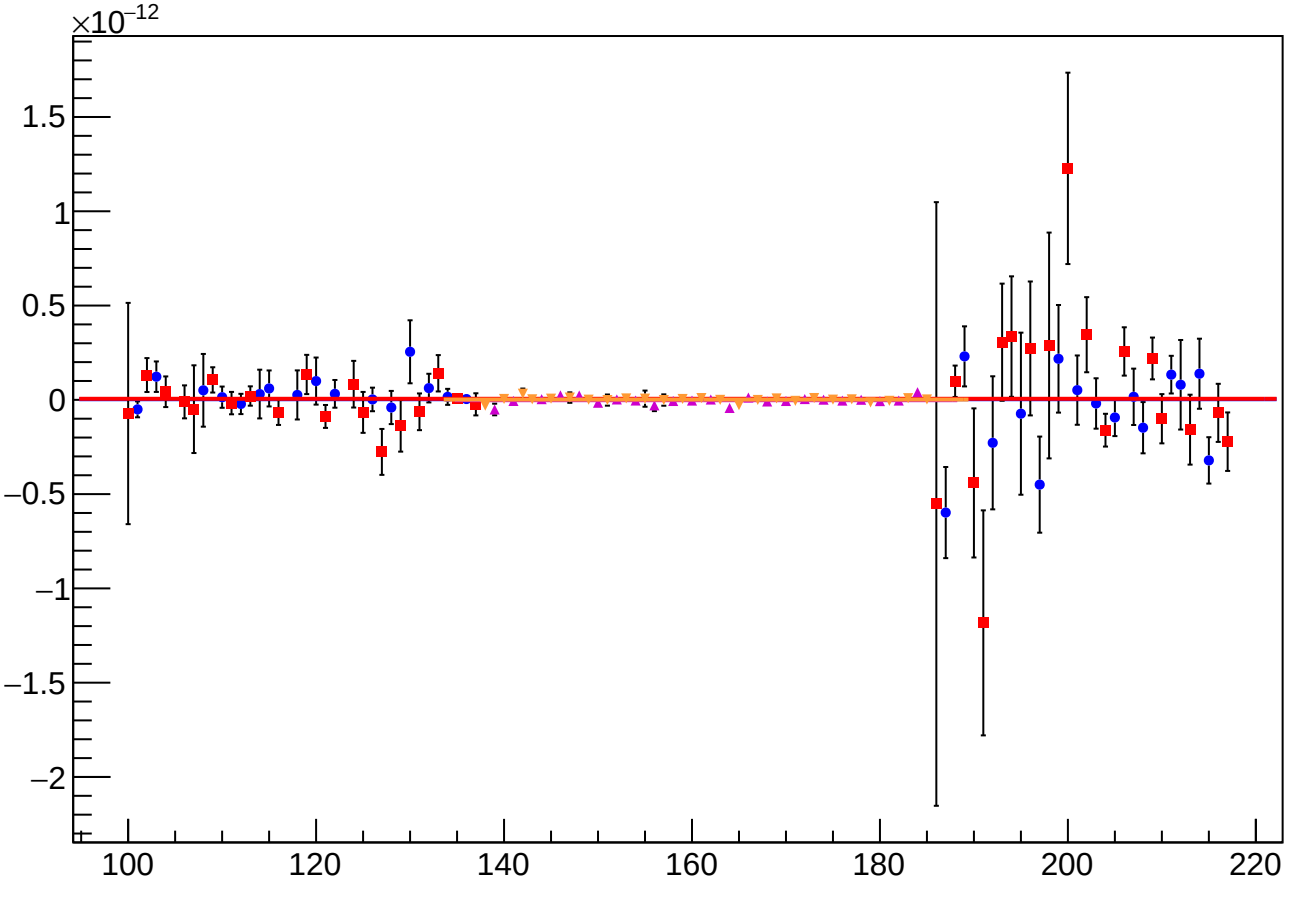
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.338+/-0.009 χ^2/NDF: 6609621.8/66

In: 32.765+/-0.005 χ^2/NDF:22375098.7/53

Out: 35.962+/-0.005 χ^2/NDF:24428077.9/60

All: 34.275+/-0.004 χ^2/NDF: 46990007.0/114



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: 52.9/35

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

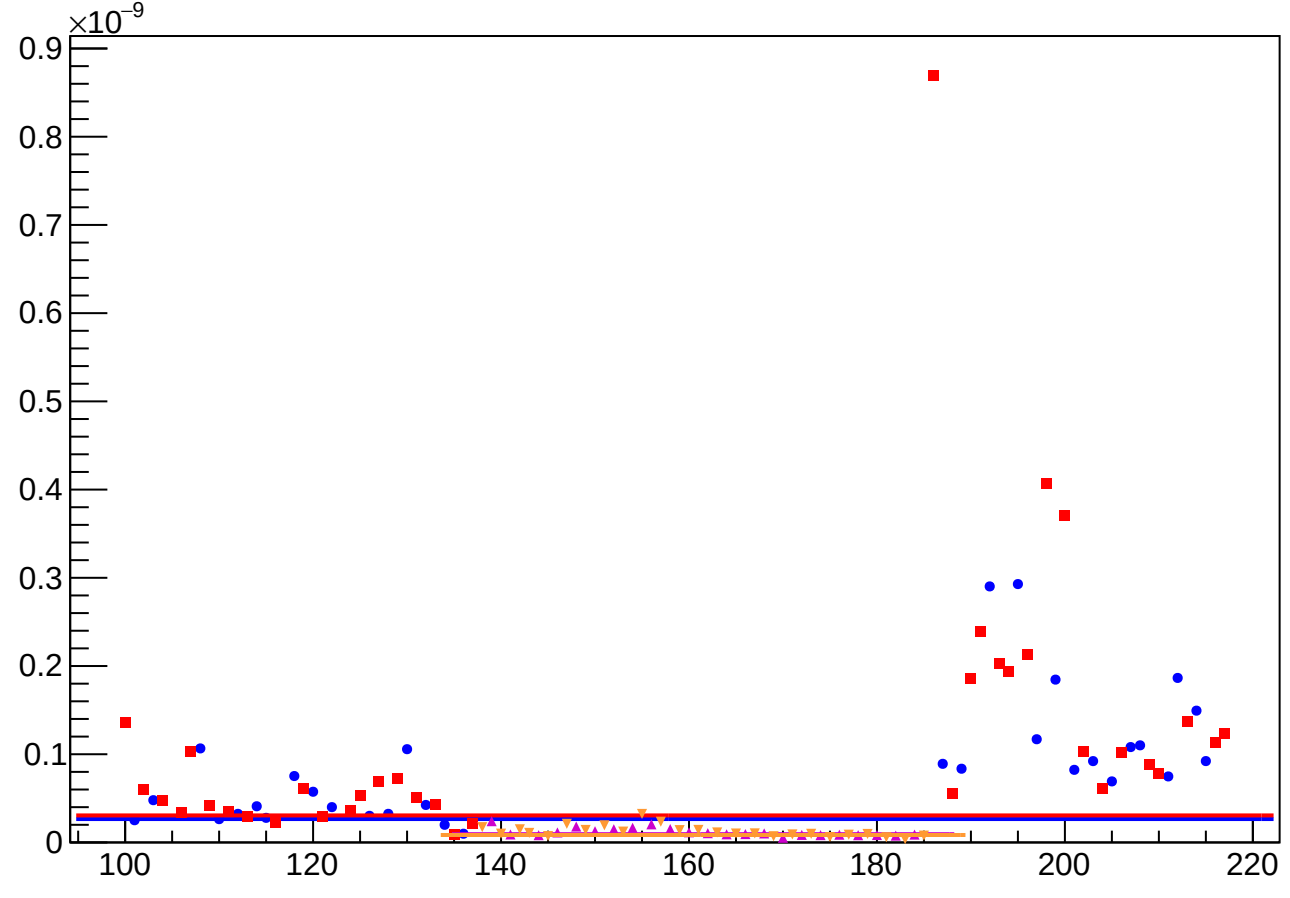
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 85.4/66

In: -0.000+/-0.000 χ^2/NDF:53.5/53

Out: 0.000+/-0.000 χ^2/NDF:64.3/60

All: 0.000+/-0.000 χ^2/NDF: 118.4/114



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: 12686837.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

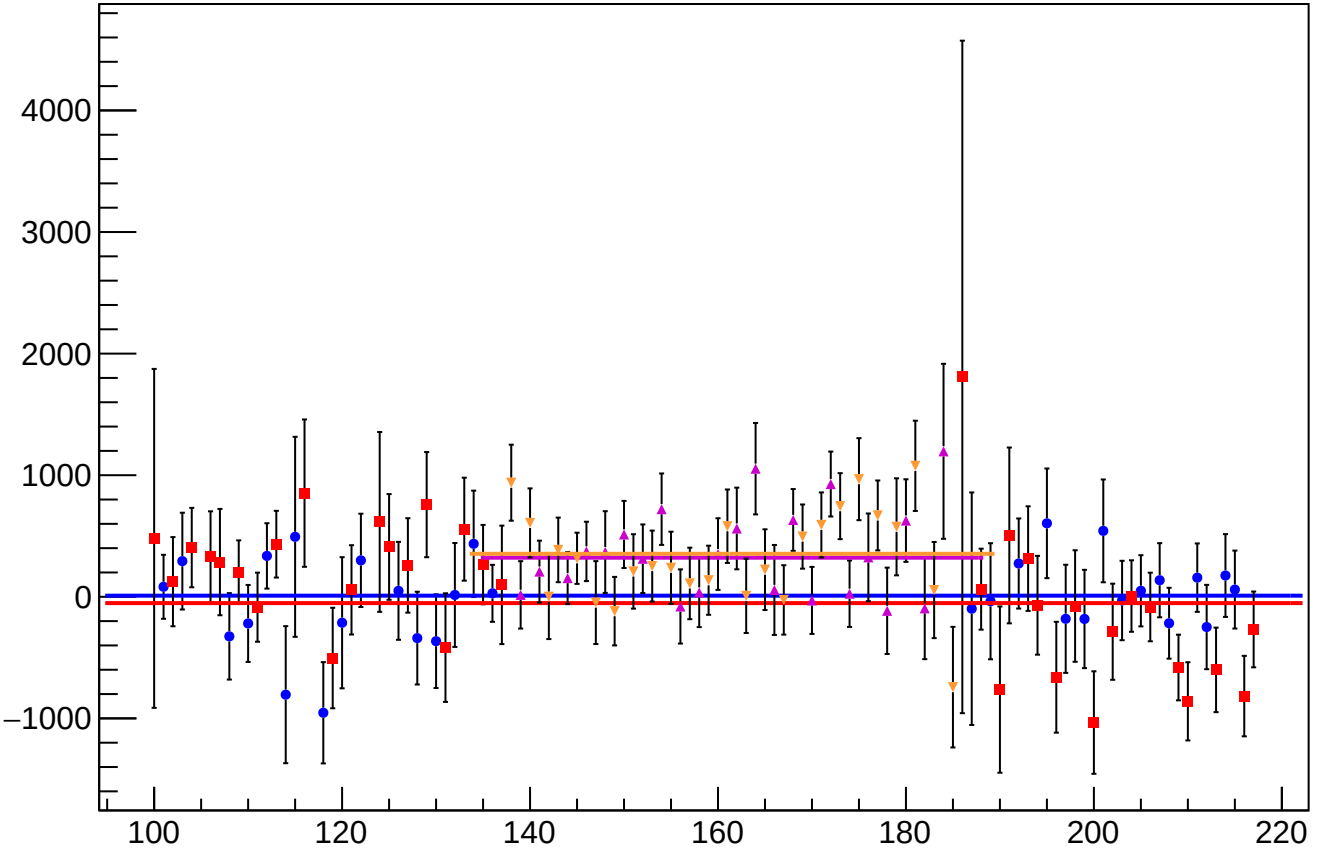
Right: 0.000+/-0.000 χ^2/NDF: 24839148.2/66

In: 0.000+/-0.000 χ^2/NDF:18264569.5/53

Out: 0.000+/-0.000 χ^2/NDF:22799709.3/60

All: 0.000+/-0.000 χ^2/NDF: 41190832.4/114

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: -51.788+/-63.133 χ^2/NDF: 50.5/35

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

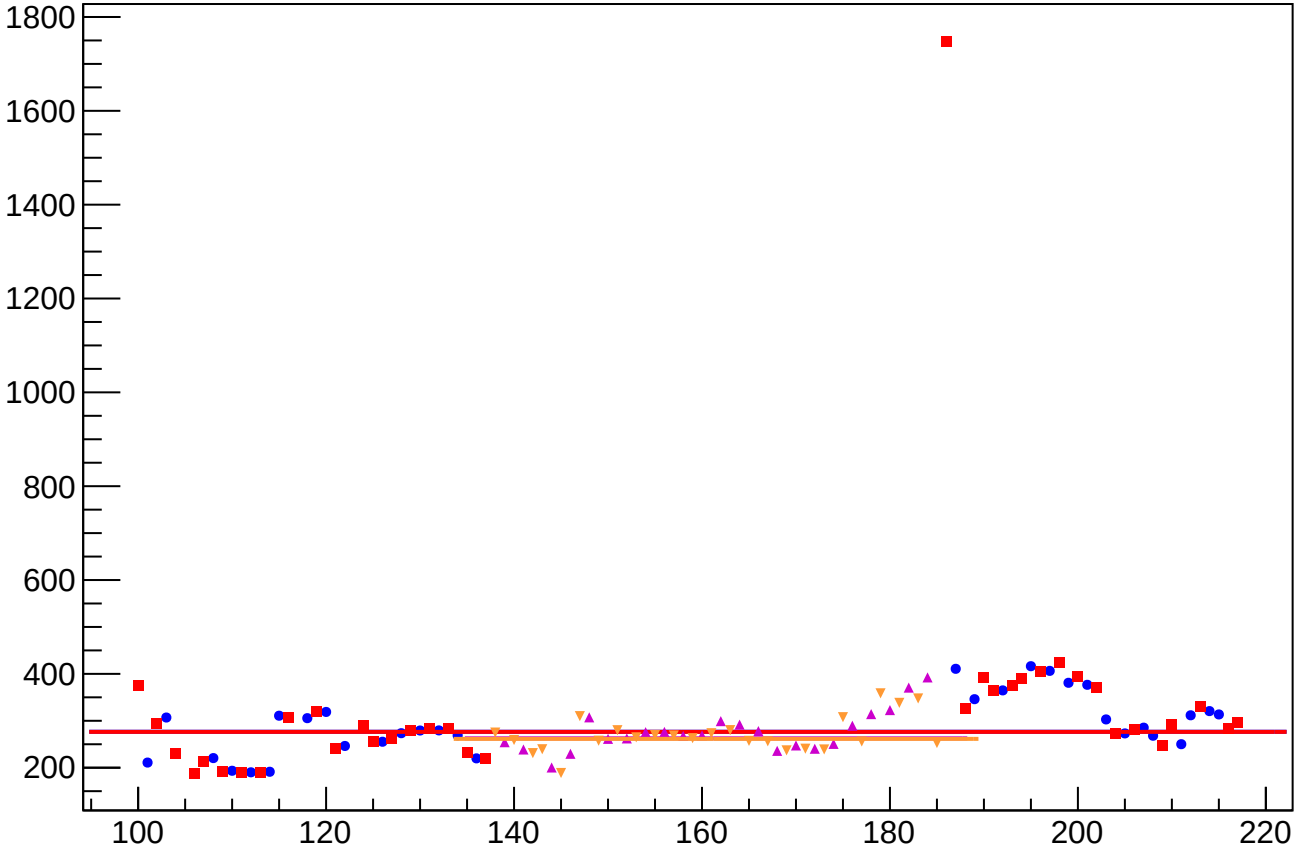
Right: -21.986+/-45.175 χ^2/NDF: 71.9/66

In: 171.684+/-44.796 χ^2/NDF:59.3/53

Out: 160.723+/-43.549 χ^2/NDF:104.5/60

All: 166.049+/-31.225 χ^2/NDF: 163.7/114

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: 276.386+/-0.045 χ^2/NDF: 2610168.2/35

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

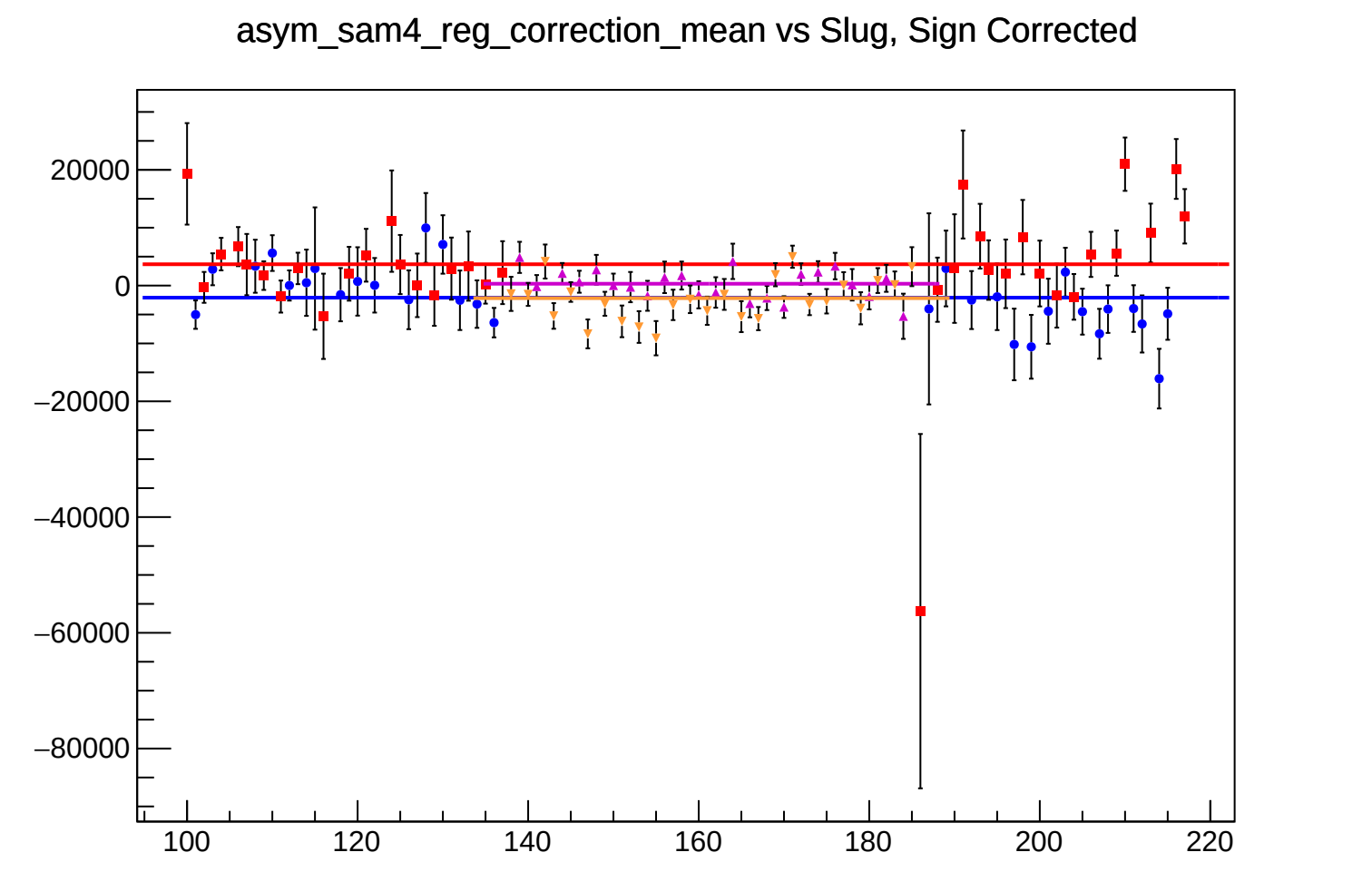
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 276.512+/-0.032 χ^2/NDF: 4265276.2/66

In: 269.348+/-0.032 χ^2/NDF:2374696.3/53

Out: 268.567+/-0.031 χ^2/NDF:3384158.2/60

All: 268.946+/-0.022 χ^2/NDF: 5759167.2/114



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: 3682.423+/-733.747 χ^2/NDF: 56.5/35

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

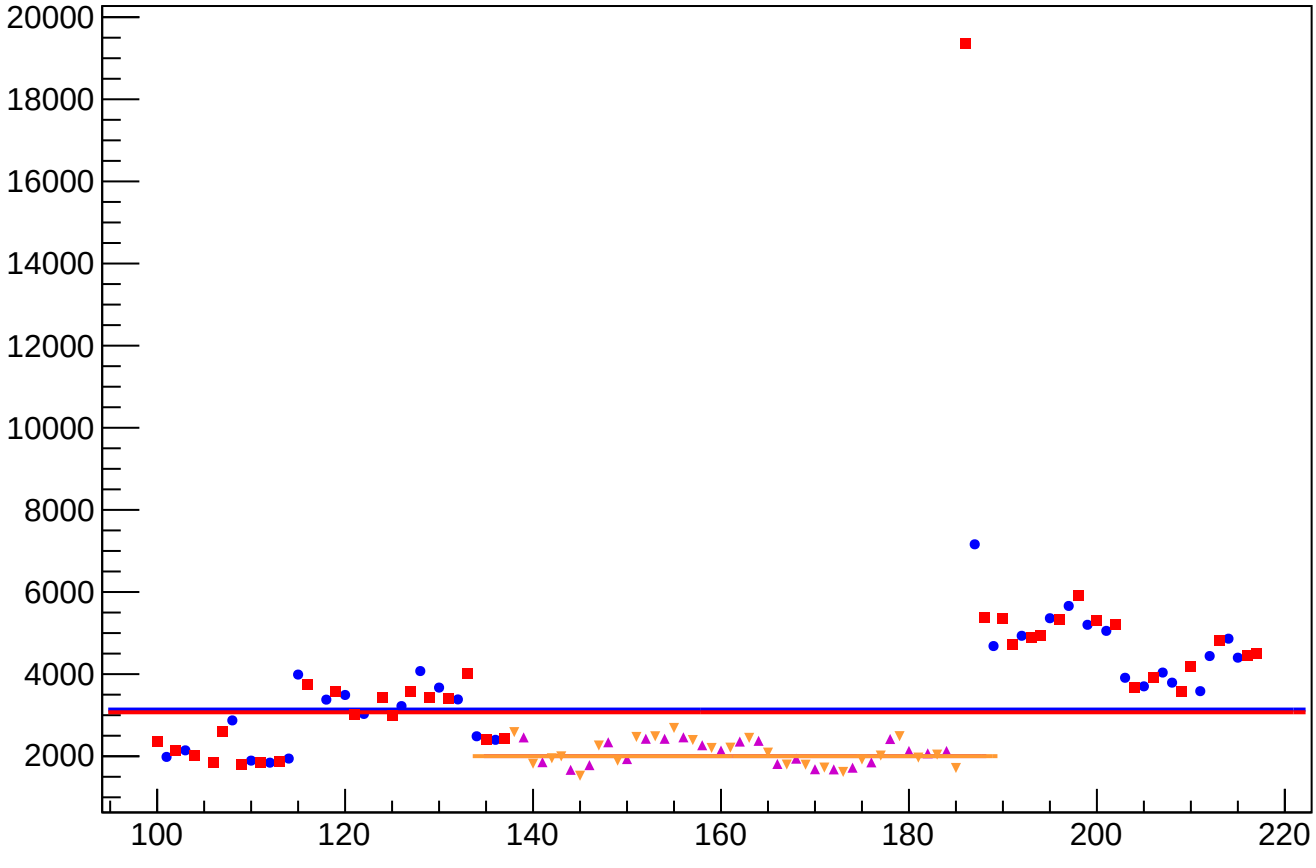
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 902.660+/-528.381 χ^2/NDF: 127.8/66

In: -358.085+/-402.465 χ^2/NDF:72.3/53

Out: -511.624+/-390.744 χ^2/NDF:157.6/60

All: -437.123+/-280.350 χ^2/NDF: 230.0/114



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: 3070.747+/-0.519 χ^2/NDF: 6082829.6/35

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

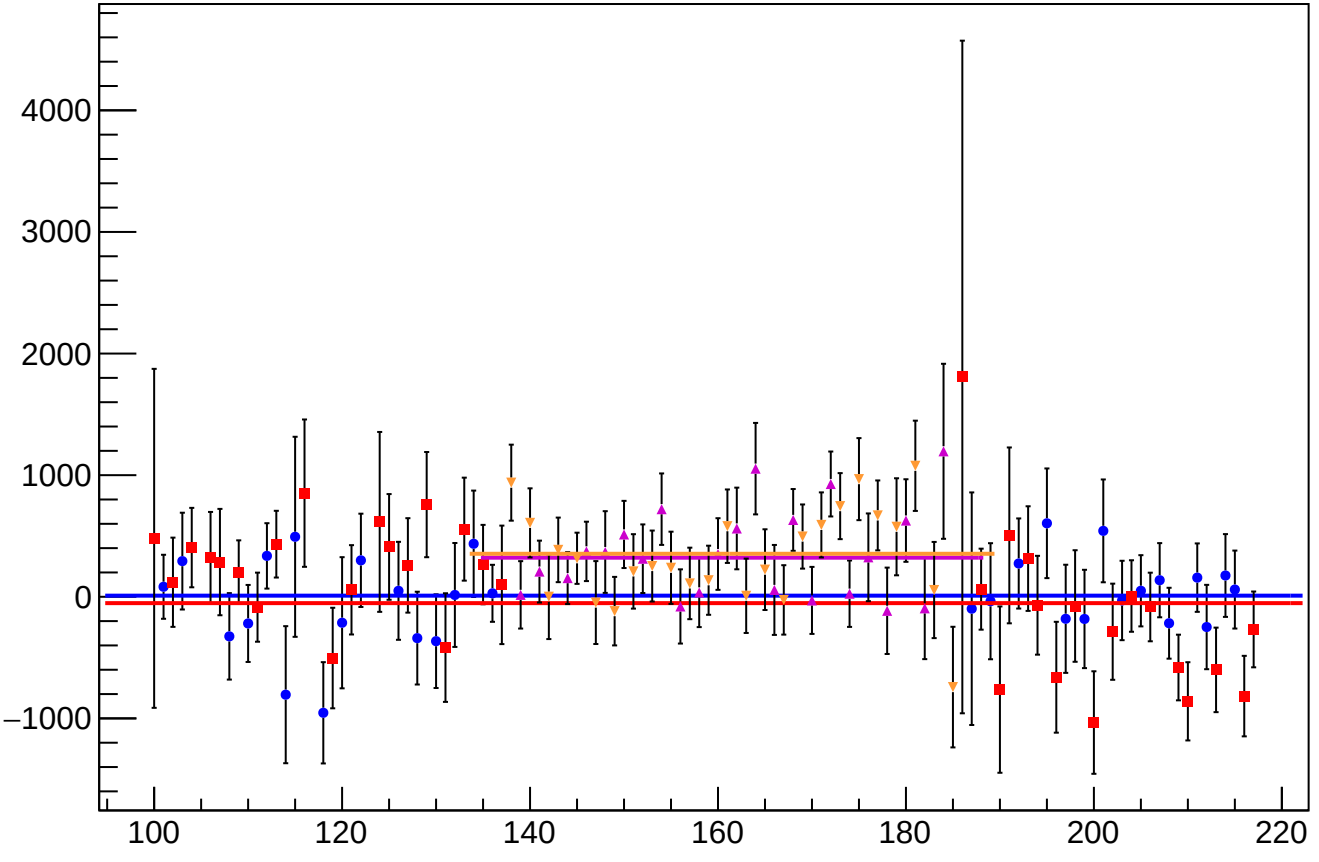
Right: 3102.722+/-0.374 χ^2/NDF: 10447719.5/66

In: 2320.690+/-0.285 χ^2/NDF:8252091.4/53

Out: 2305.251+/-0.276 χ^2/NDF:10014060.8/60

All: 2312.742+/-0.198 χ^2/NDF: 18267667.2/1

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: -52.153+/-63.138 χ^2/NDF: 50.4/35

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

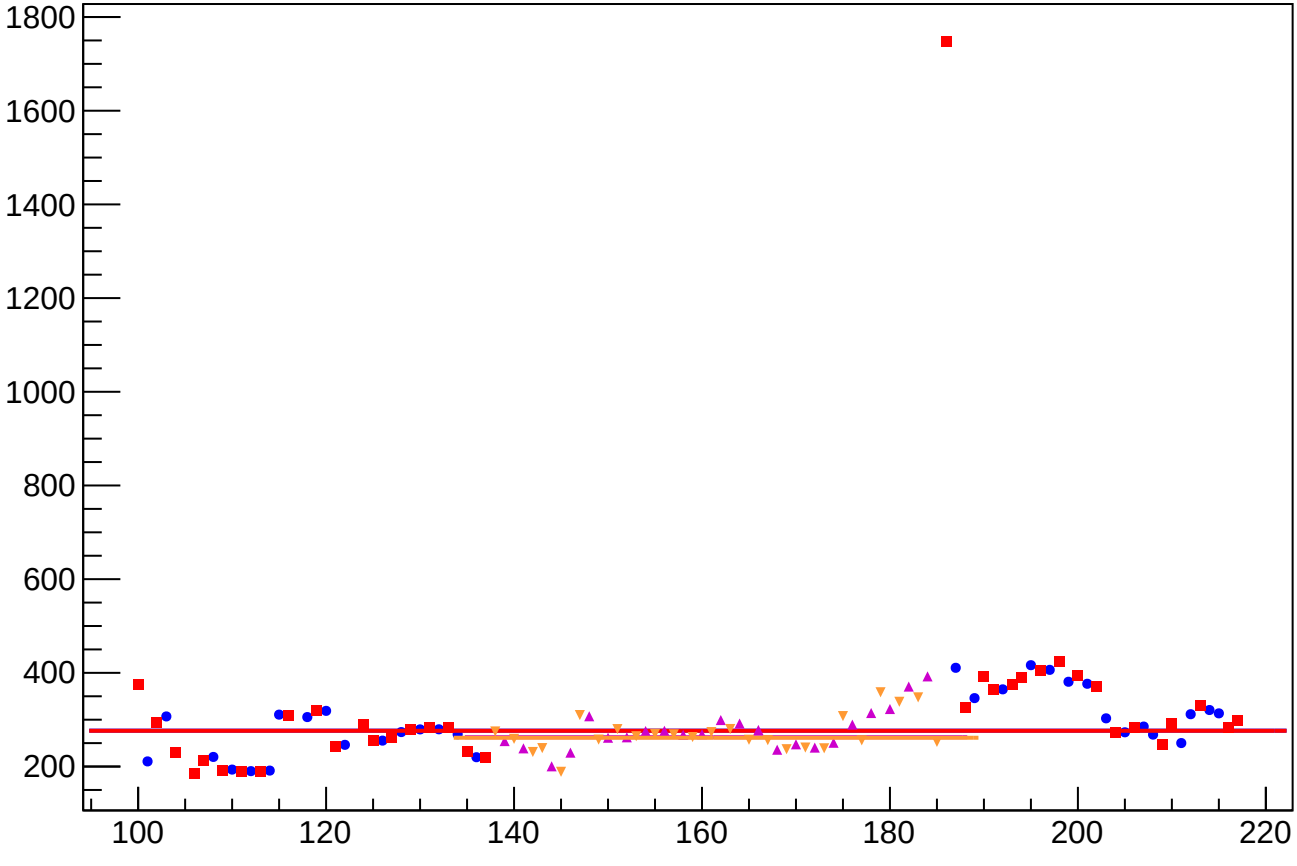
Right: -22.177+/-45.176 χ^2/NDF: 71.8/66

In: 171.680+/-44.796 χ^2/NDF:59.3/53

Out: 160.578+/-43.550 χ^2/NDF:104.4/60

All: 165.972+/-31.226 χ^2/NDF: 163.7/114

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: 276.330+/-0.045 χ^2/NDF: 2616169.8/35

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

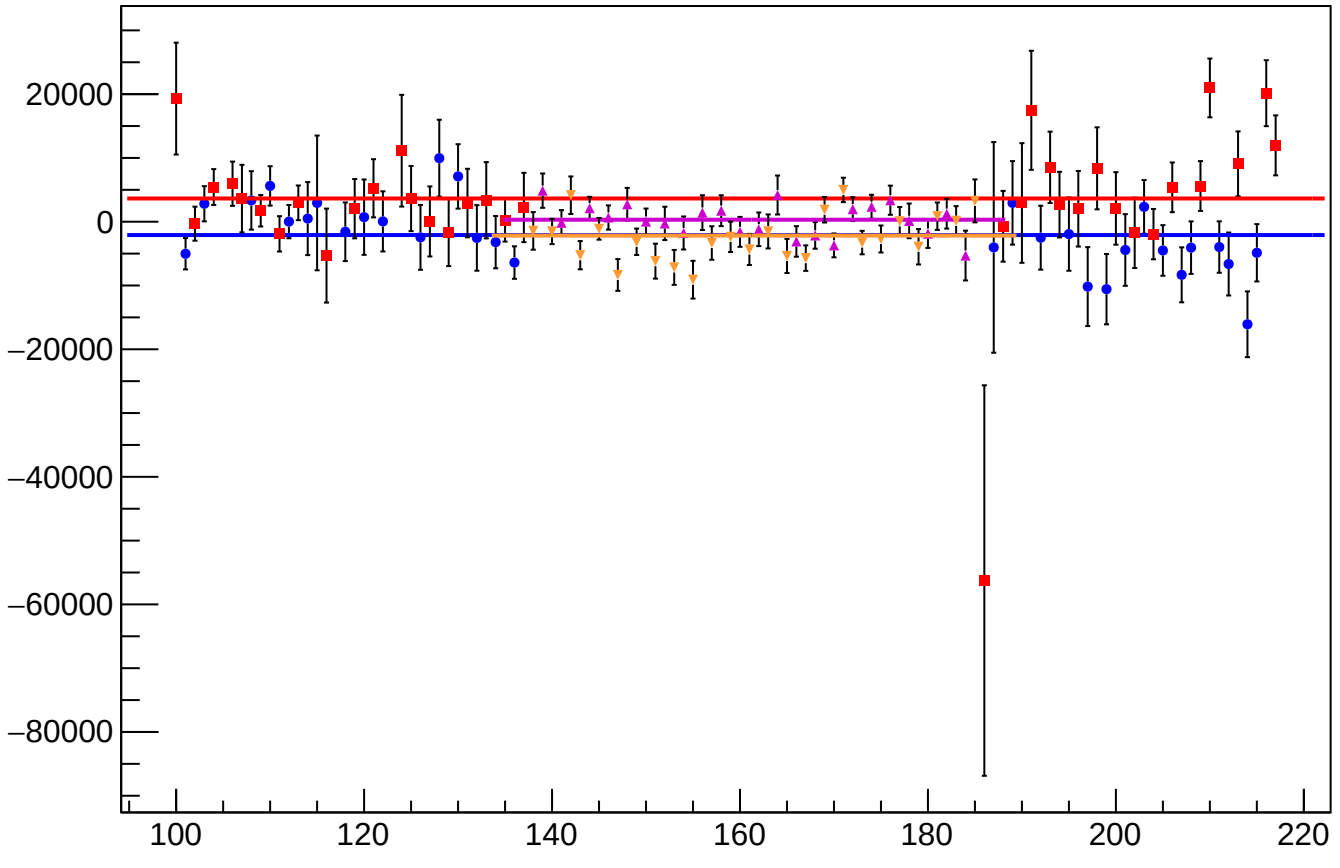
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 276.484+/-0.032 χ^2/NDF: 4271286.9/66

In: 269.348+/-0.032 χ^2/NDF:2374697.8/53

Out: 268.540+/-0.031 χ^2/NDF:3389715.8/60

All: 268.932+/-0.022 χ^2/NDF: 5764748.5/114



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: 3640.968+/-734.680 χ^2/NDF: 56.1/35

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

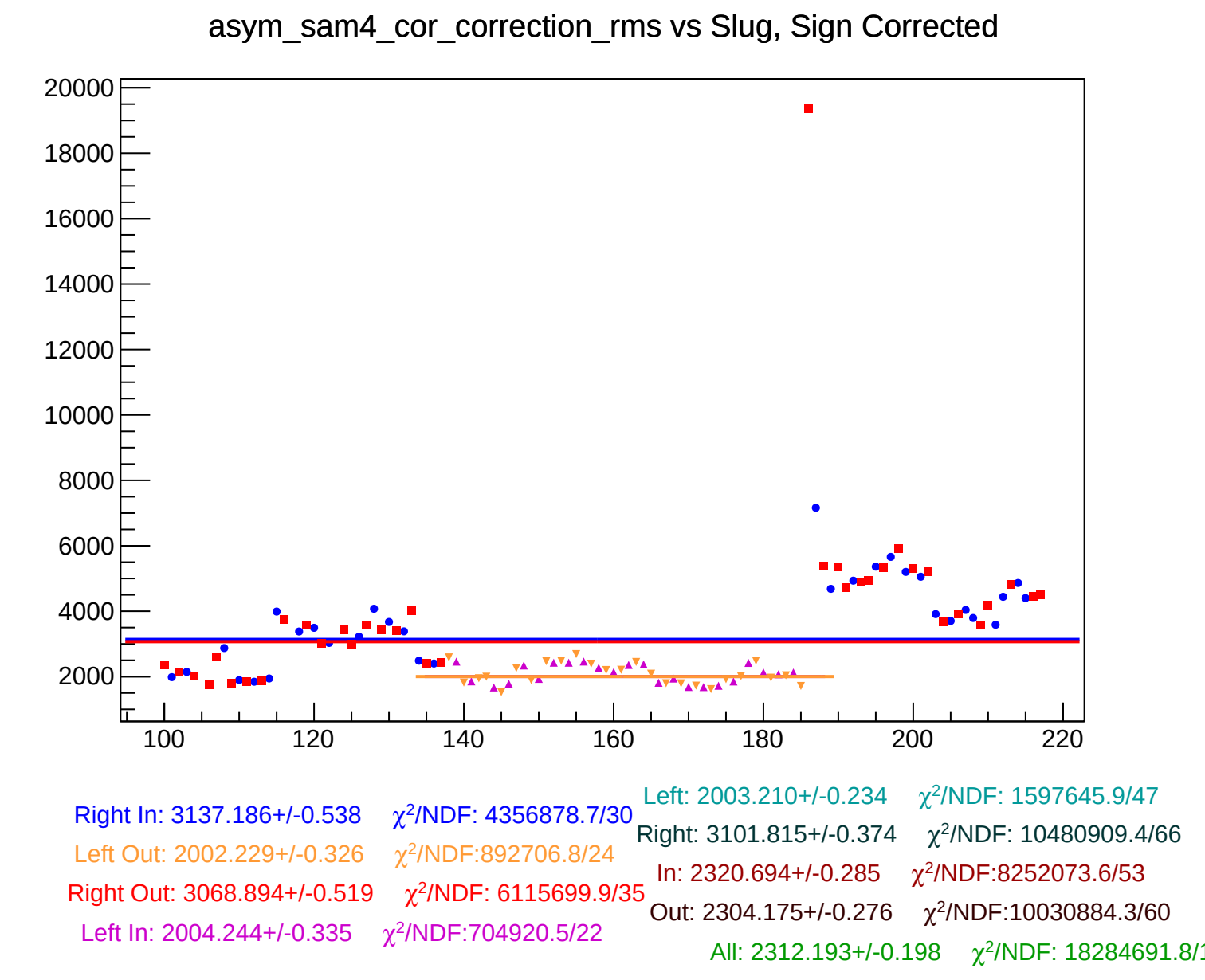
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

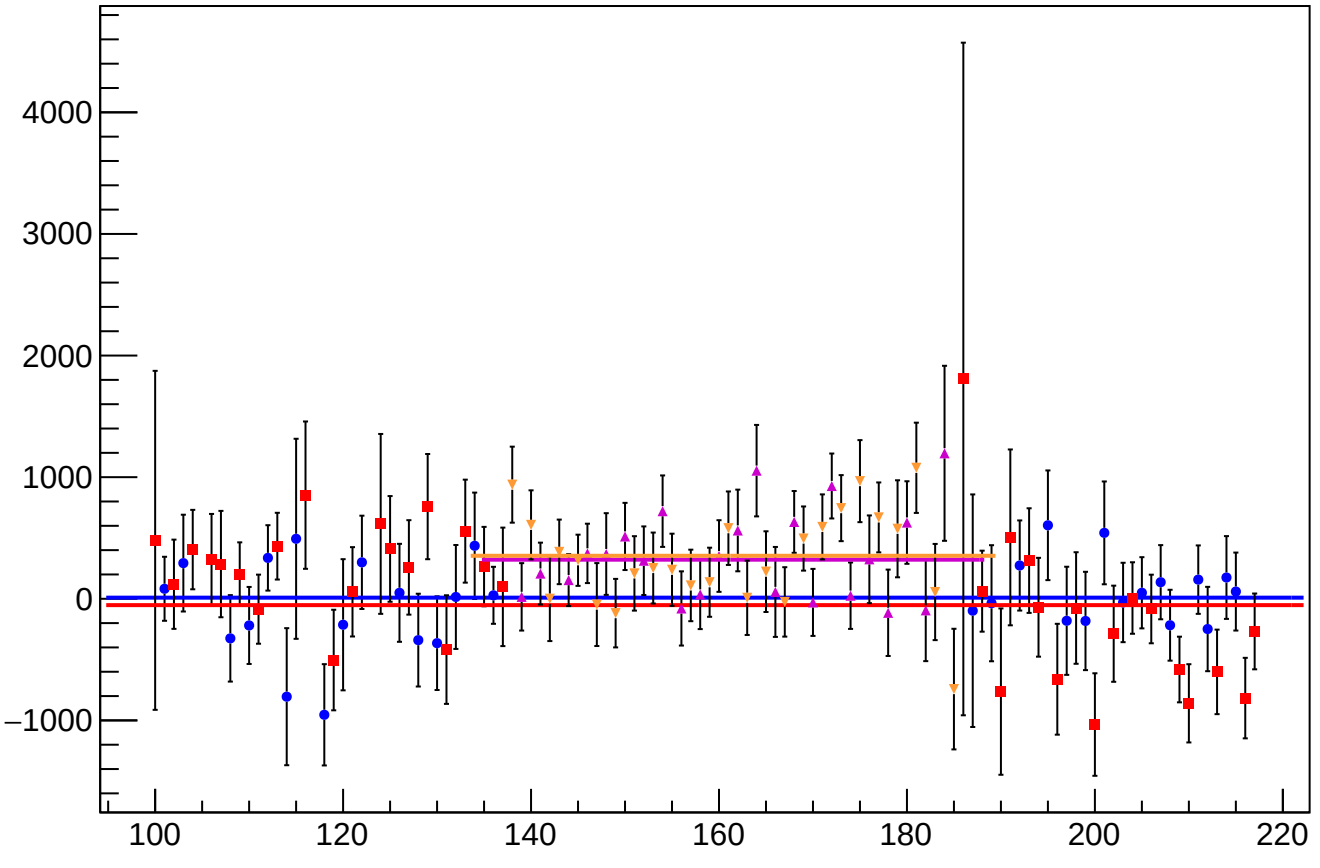
Right: 877.480+/-528.731 χ^2/NDF: 126.9/66

In: -358.110+/-402.466 χ^2/NDF:72.3/53

Out: -526.362+/-390.885 χ^2/NDF:156.5/60

All: -444.691+/-280.402 χ^2/NDF: 228.9/114


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: 3068.894+/-0.519 χ²/NDF: 6115699.9/35
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 3101.815+/-0.374 χ²/NDF: 10480909.4/66
In: 2320.694+/-0.285 χ²/NDF:8252073.6/53
Out: 2304.175+/-0.276 χ²/NDF:10030884.3/60
All: 2312.193+/-0.198 χ²/NDF: 18284691.8/1



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: -52.153+/-63.138 χ^2/NDF: 50.4/35

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

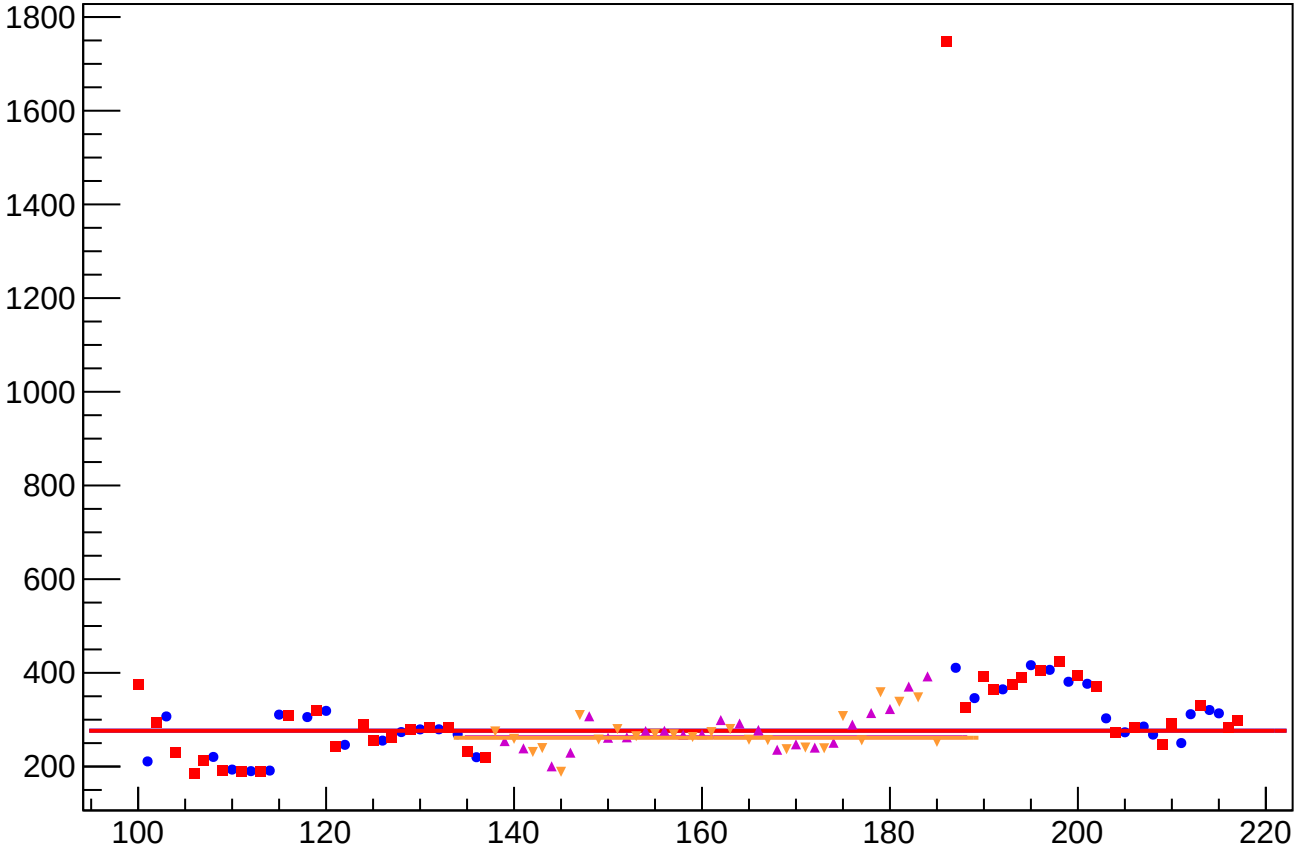
Right: -22.177+/-45.176 χ^2/NDF: 71.8/66

In: 171.680+/-44.796 χ^2/NDF:59.3/53

Out: 160.578+/-43.550 χ^2/NDF:104.4/60

All: 165.972+/-31.226 χ^2/NDF: 163.7/114

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: 276.330+/-0.045 χ^2/NDF: 2616169.8/35

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

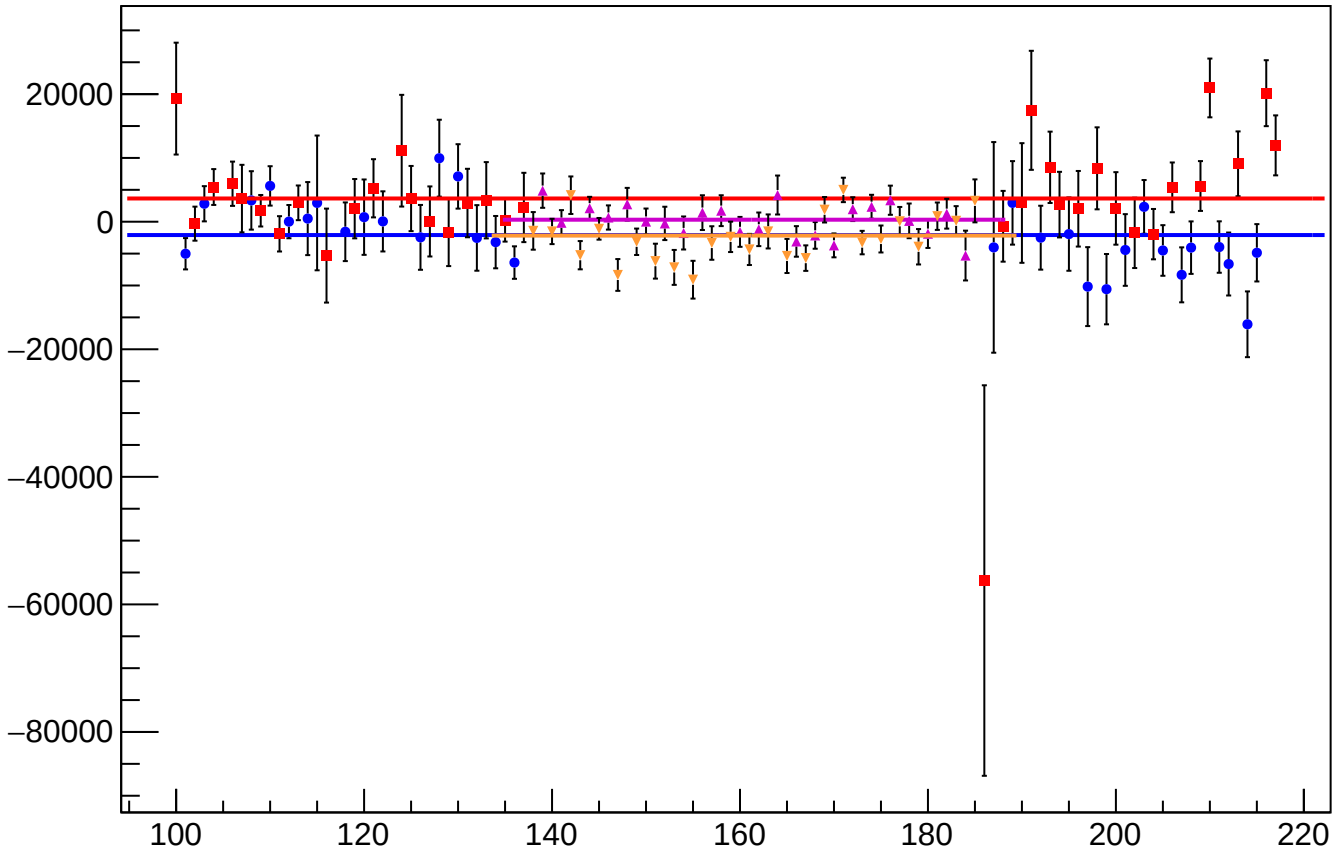
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 276.484+/-0.032 χ^2/NDF: 4271286.9/66

In: 269.348+/-0.032 χ^2/NDF:2374697.8/53

Out: 268.540+/-0.031 χ^2/NDF:3389715.8/60

All: 268.932+/-0.022 χ^2/NDF: 5764748.5/114



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: 3640.968+/-734.680 χ^2/NDF: 56.1/35

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

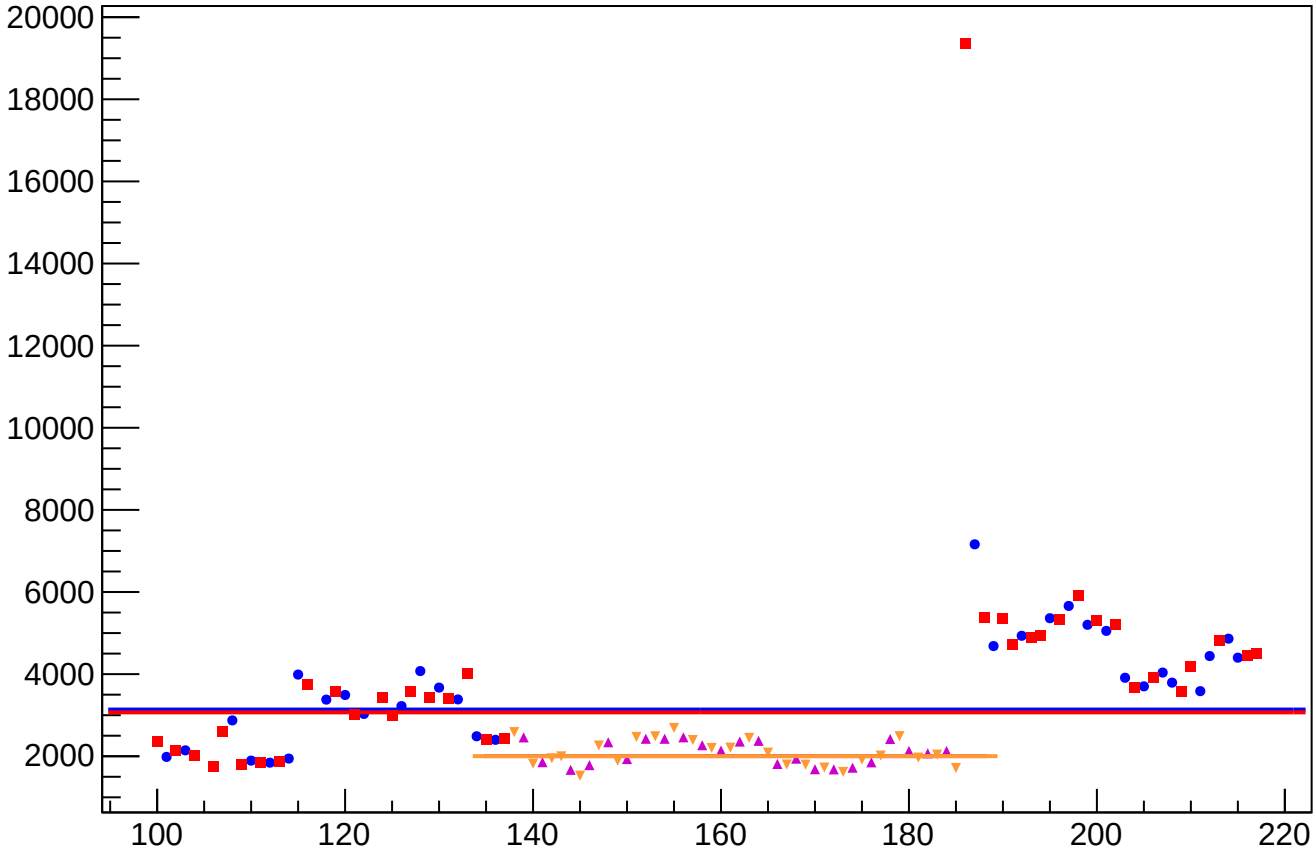
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 877.480+/-528.731 χ^2/NDF: 126.9/66

In: -358.110+/-402.466 χ^2/NDF:72.3/53

Out: -526.362+/-390.885 χ^2/NDF:156.5/60

All: -444.691+/-280.402 χ^2/NDF: 228.9/114



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: 3068.894+/-0.519 χ^2/NDF: 6115699.9/35

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

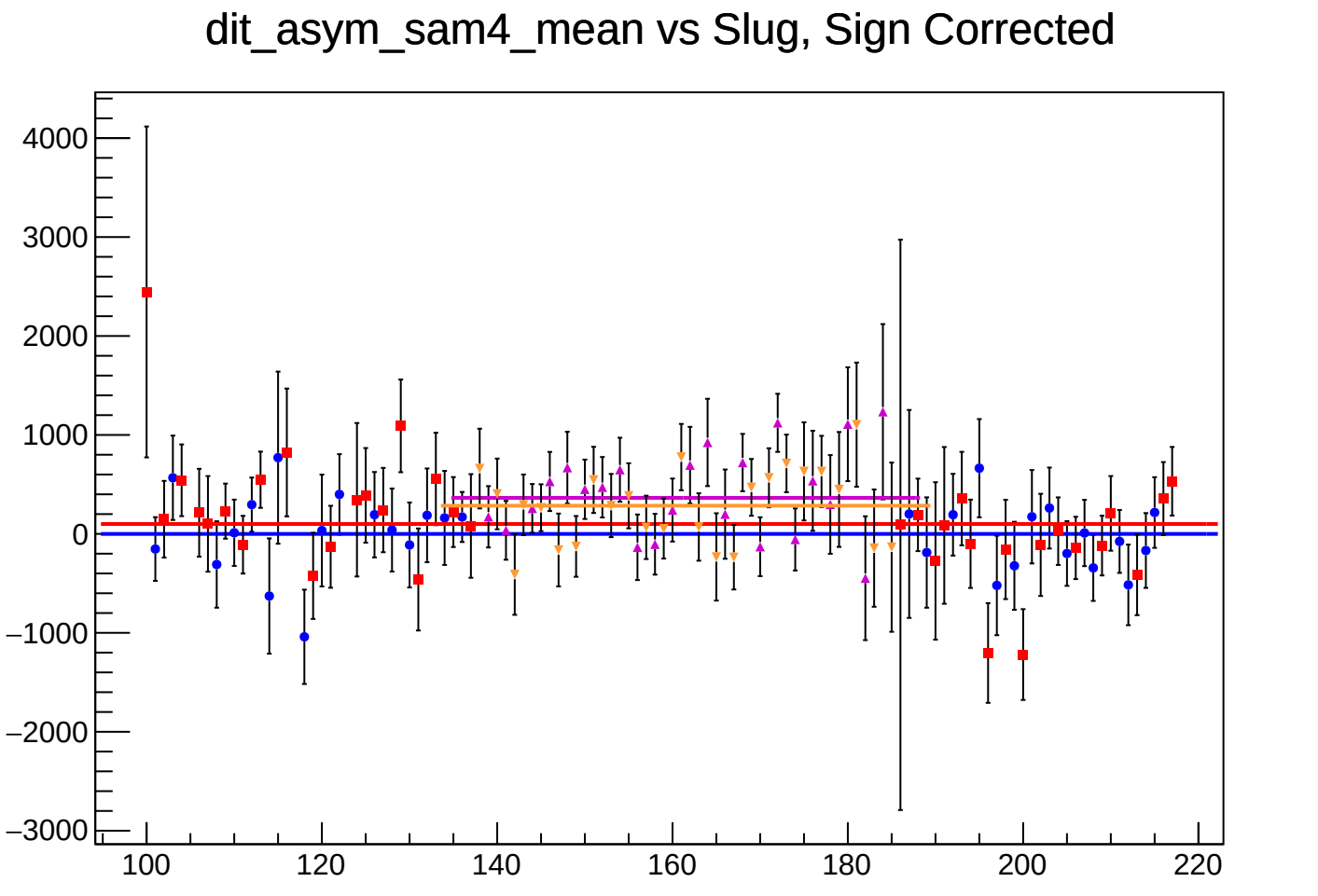
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 3101.815+/-0.374 χ^2/NDF: 10480909.4/66

In: 2320.694+/-0.285 χ^2/NDF:8252073.6/53

Out: 2304.175+/-0.276 χ^2/NDF:10030884.3/60

All: 2312.193+/-0.198 χ^2/NDF: 18284691.8/1



Right In: -0.428+/-71.960 χ^2/NDF: 20.3/30

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 100.050+/-69.726 χ^2/NDF: 38.1/35

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

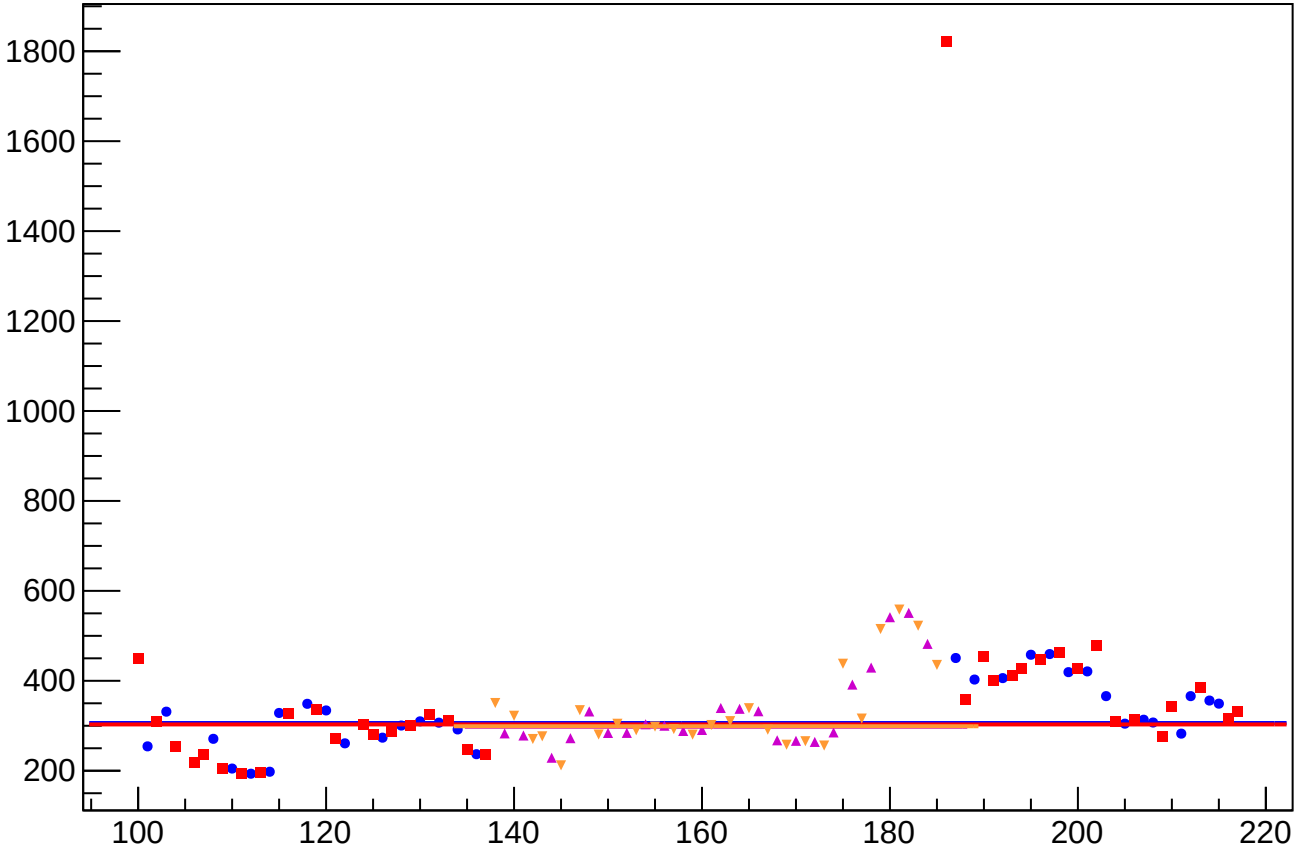
Right: 51.395+/-50.075 χ^2/NDF: 59.4/66

In: 182.494+/-50.796 χ^2/NDF:61.4/53

Out: 192.071+/-49.413 χ^2/NDF:64.4/60

All: 187.414+/-35.419 χ^2/NDF: 125.8/114

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: 302.980+/-0.049 χ^2/NDF: 2951585.6/35

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

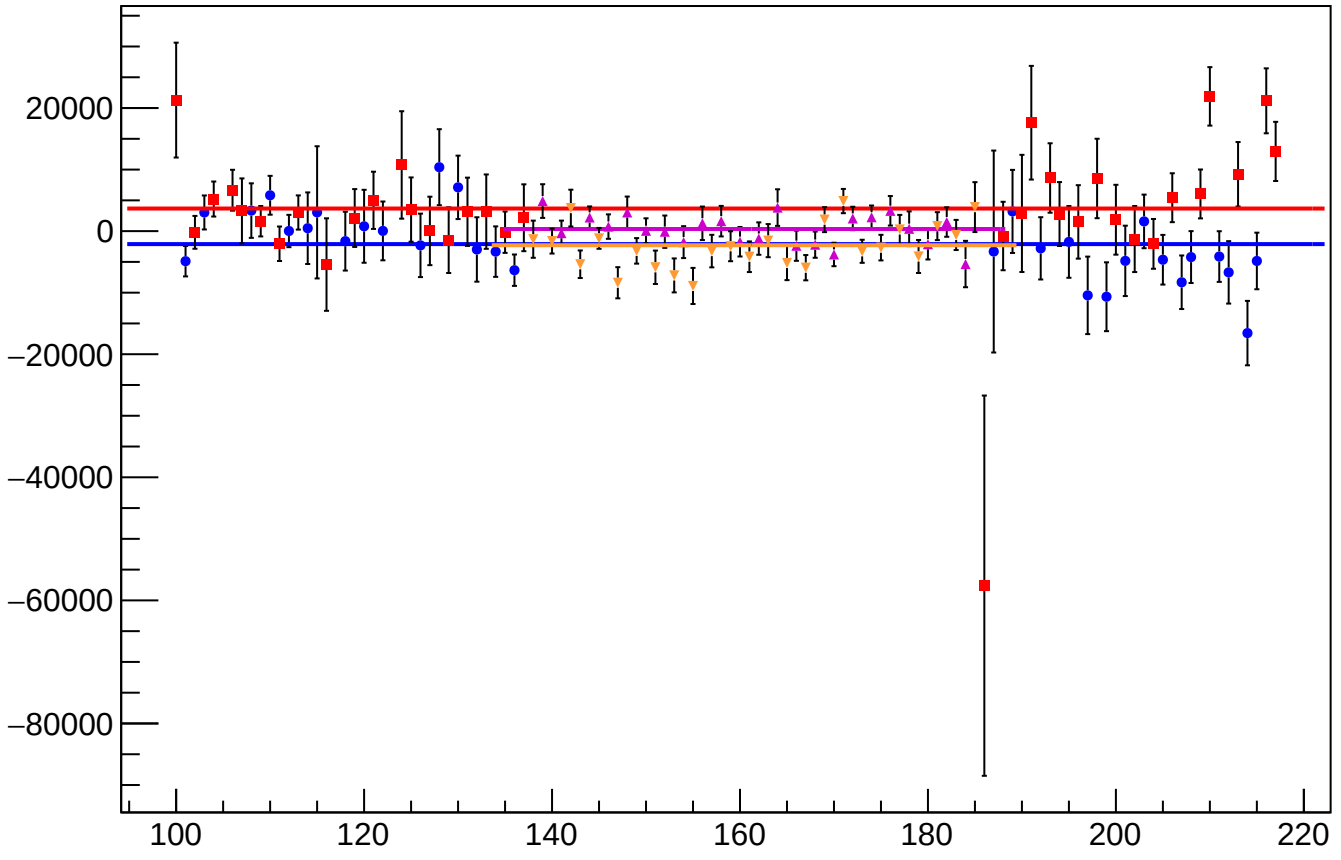
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 304.496+/-0.035 χ^2/NDF: 4825859.2/66

In: 301.984+/-0.036 χ^2/NDF:3204494.1/53

Out: 300.968+/-0.035 χ^2/NDF:4568009.0/60

All: 301.462+/-0.025 χ^2/NDF: 7772914.1/114



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: 3672.484+/-740.849 χ^2/NDF: 59.2/35

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

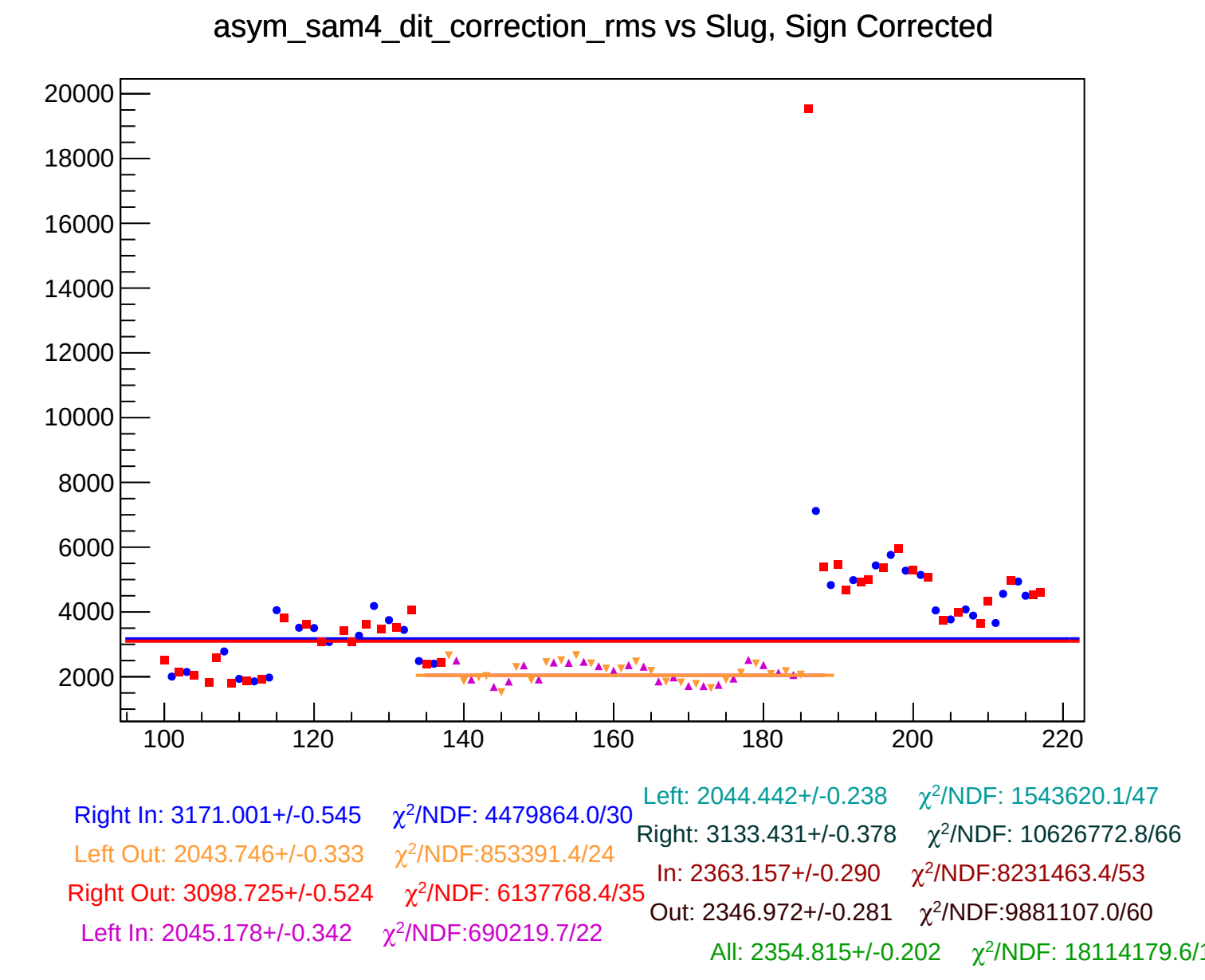
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

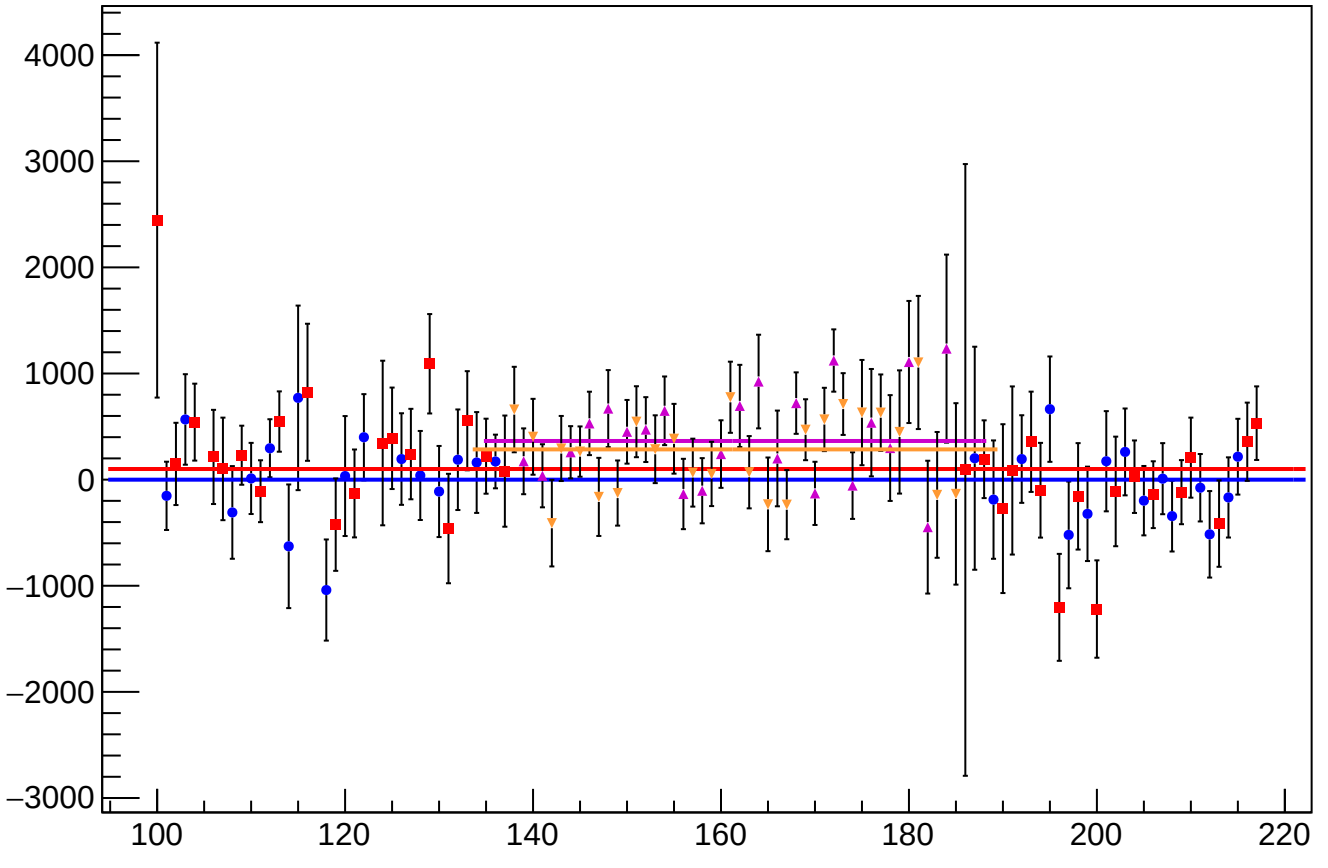
Right: 896.130+/-534.142 χ^2/NDF: 130.2/66

In: -349.950+/-409.656 χ^2/NDF:71.8/53

Out: -576.944+/-397.184 χ^2/NDF:157.1/60

All: -466.955+/-285.159 χ^2/NDF: 229.0/114


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: 3098.725+/-0.524 χ²/NDF: 6137768.4/35
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 3133.431+/-0.378 χ²/NDF: 10626772.8/66
In: 2363.157+/-0.290 χ²/NDF:8231463.4/53
Out: 2346.972+/-0.281 χ²/NDF:9881107.0/60
All: 2354.815+/-0.202 χ²/NDF: 18114179.6/



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: 100.046+/-69.726 χ^2/NDF: 38.1/35

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

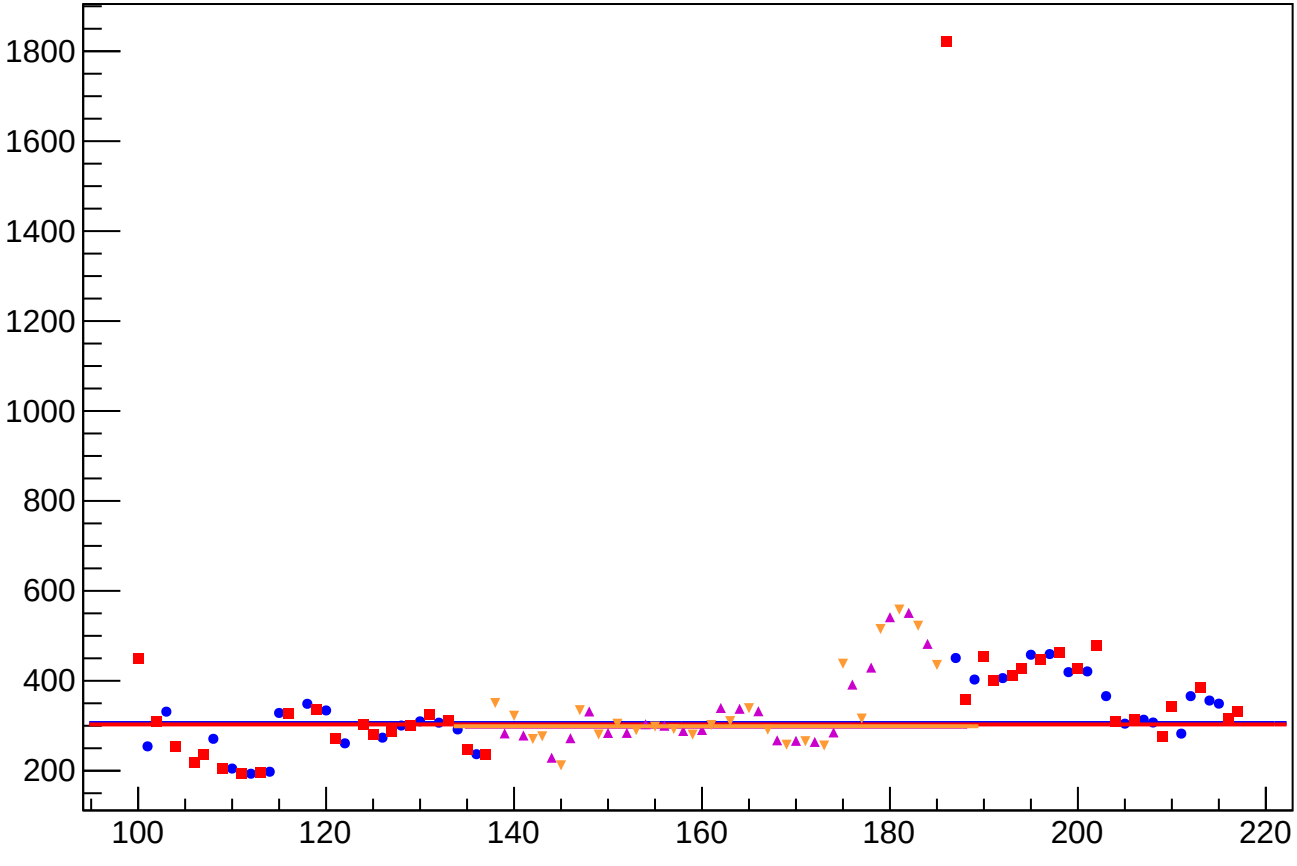
Right: 51.396+/-50.075 χ^2/NDF: 59.4/66

In: 182.497+/-50.796 χ^2/NDF:61.4/53

Out: 192.071+/-49.413 χ^2/NDF:64.4/60

All: 187.416+/-35.419 χ^2/NDF: 125.8/114

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: 302.980+/-0.049 χ^2/NDF: 2951587.3/35

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

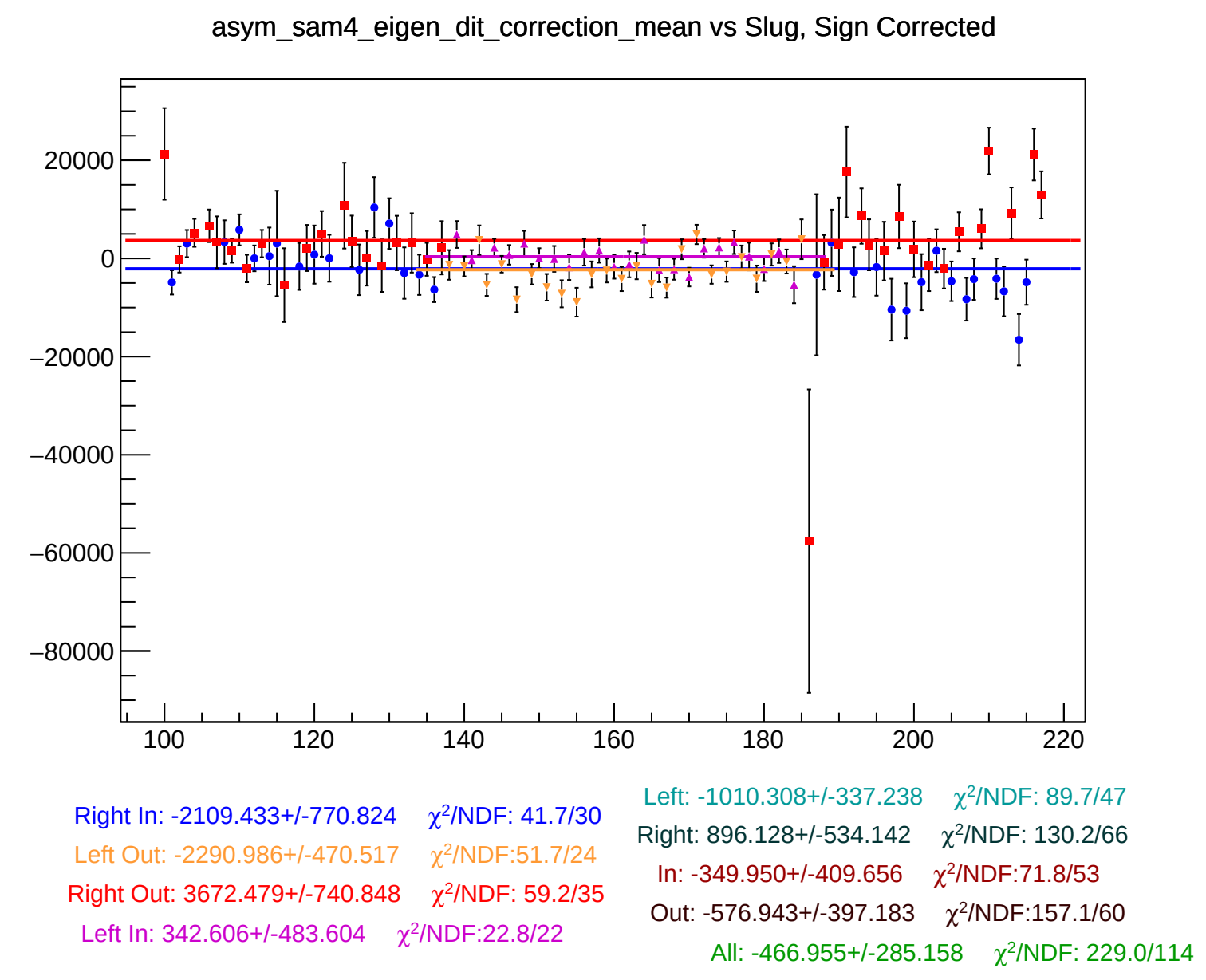
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

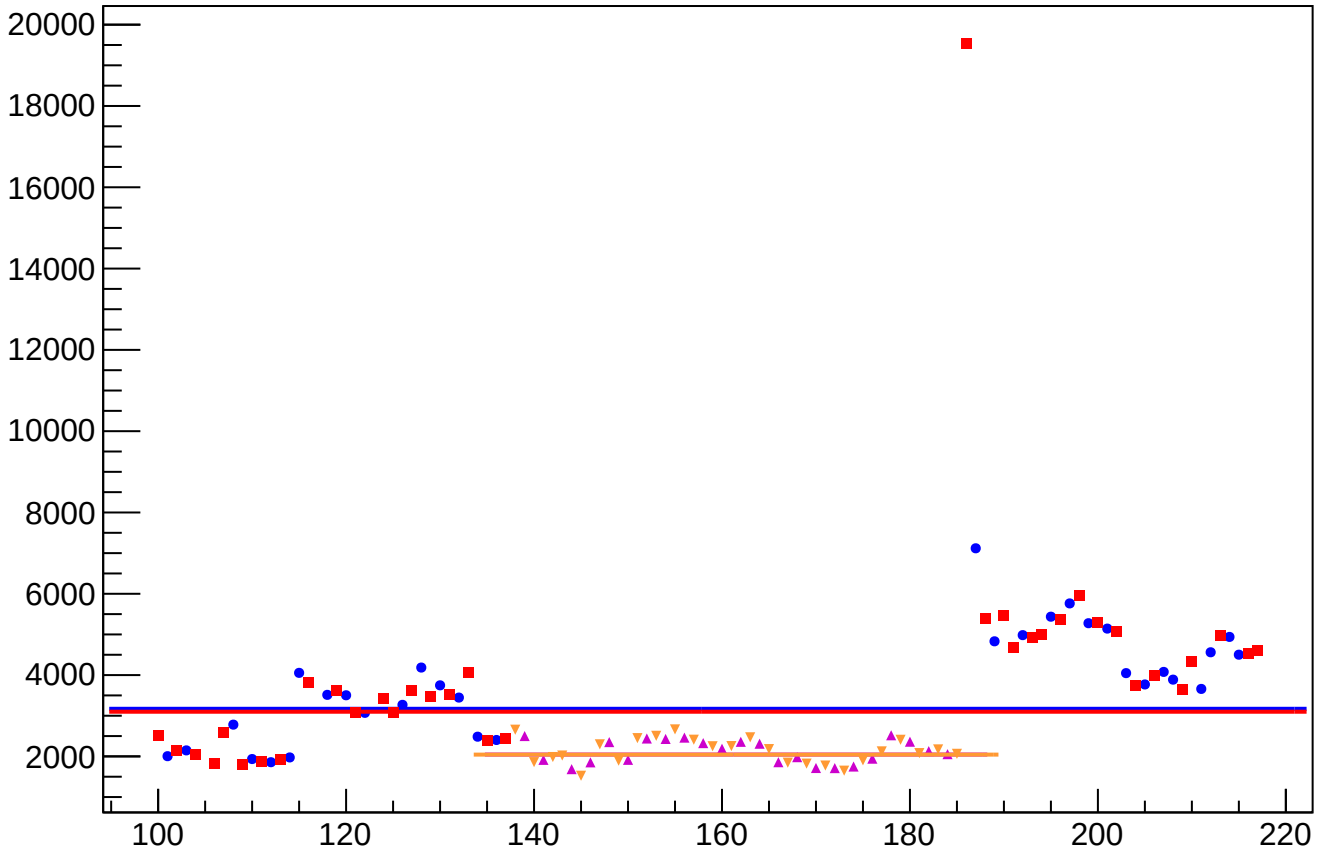
Right: 304.496+/-0.035 χ^2/NDF: 4825840.6/66

In: 301.984+/-0.036 χ^2/NDF:3204454.4/53

Out: 300.968+/-0.035 χ^2/NDF:4568007.4/60

All: 301.462+/-0.025 χ^2/NDF: 7772872.7/114


asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: -2109.433+/-770.824 χ²/NDF: 41.7/30
Left Out: -2290.986+/-470.517 χ²/NDF:51.7/24
Right Out: 3672.479+/-740.848 χ²/NDF: 59.2/35
Left In: 342.606+/-483.604 χ²/NDF:22.8/22
Left: -1010.308+/-337.238 χ²/NDF: 89.7/47
Right: 896.128+/-534.142 χ²/NDF: 130.2/66
In: -349.950+/-409.656 χ²/NDF:71.8/53
Out: -576.943+/-397.183 χ²/NDF:157.1/60
All: -466.955+/-285.158 χ²/NDF: 229.0/114



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: 3098.723+/-0.524 χ^2/NDF: 6137765.2/35

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

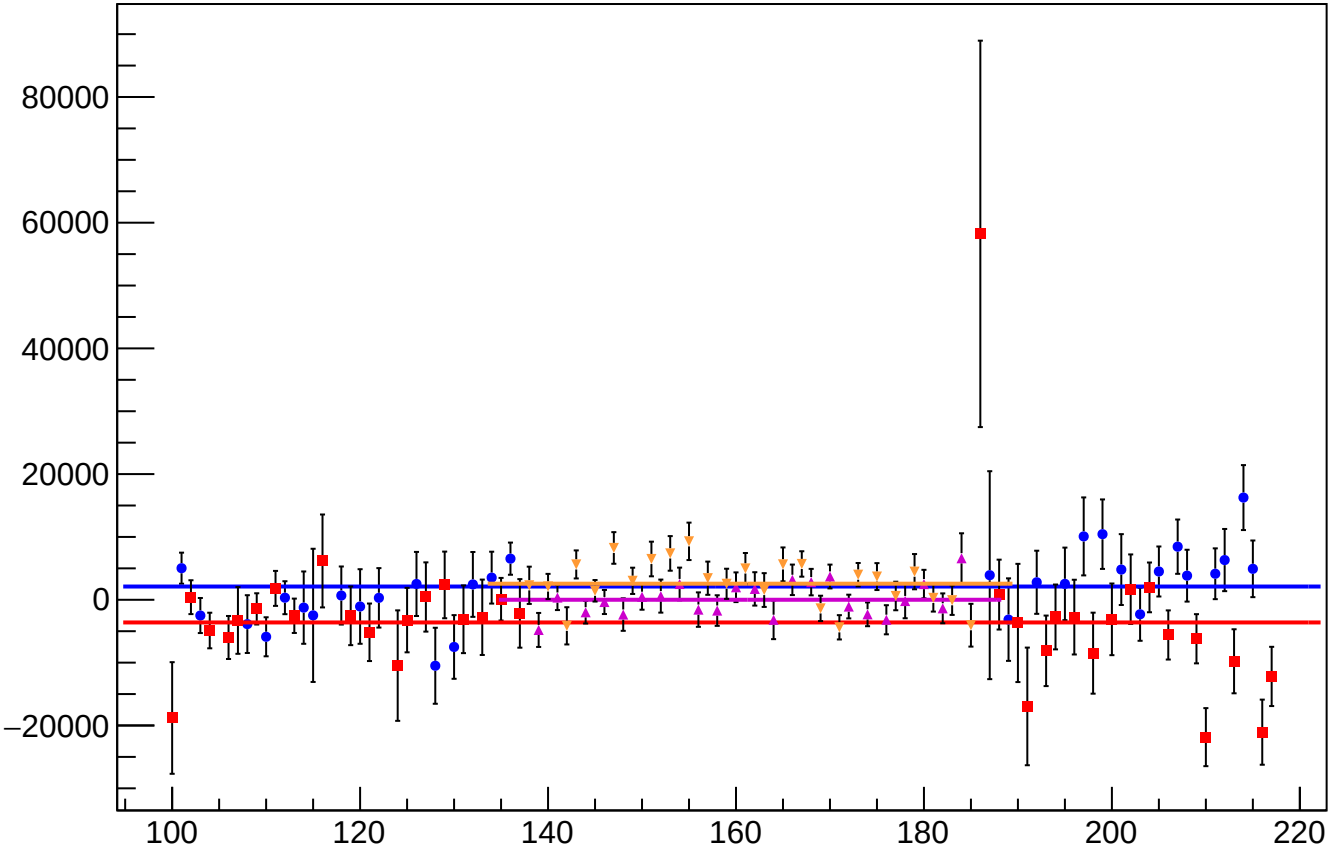
Right: 3133.428+/-0.378 χ^2/NDF: 10626766.5/66

In: 2363.154+/-0.290 χ^2/NDF:8231468.2/53

Out: 2346.969+/-0.281 χ^2/NDF:9881116.7/60

All: 2354.812+/-0.202 χ^2/NDF: 18114194.1/1

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: -3606.893+/-737.430 χ^2/NDF: 59.6/35

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

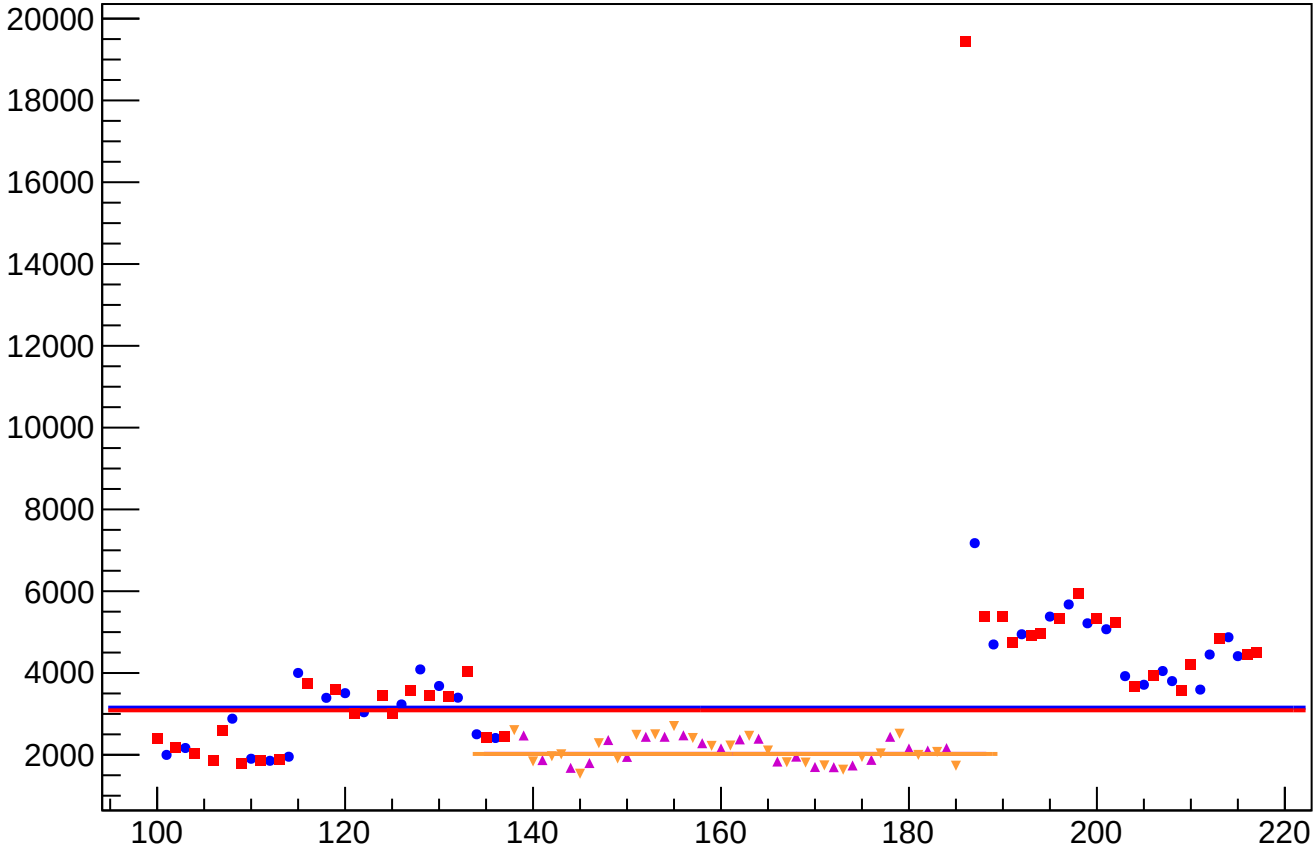
Right: -853.513+/-530.918 χ^2/NDF: 131.0/66

In: 595.764+/-405.685 χ^2/NDF:72.6/53

Out: 799.765+/-393.903 χ^2/NDF:162.2/60

All: 700.770+/-282.605 χ^2/NDF: 235.0/114

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: 3087.930+/-0.521 χ^2/NDF: 6034999.8/35

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

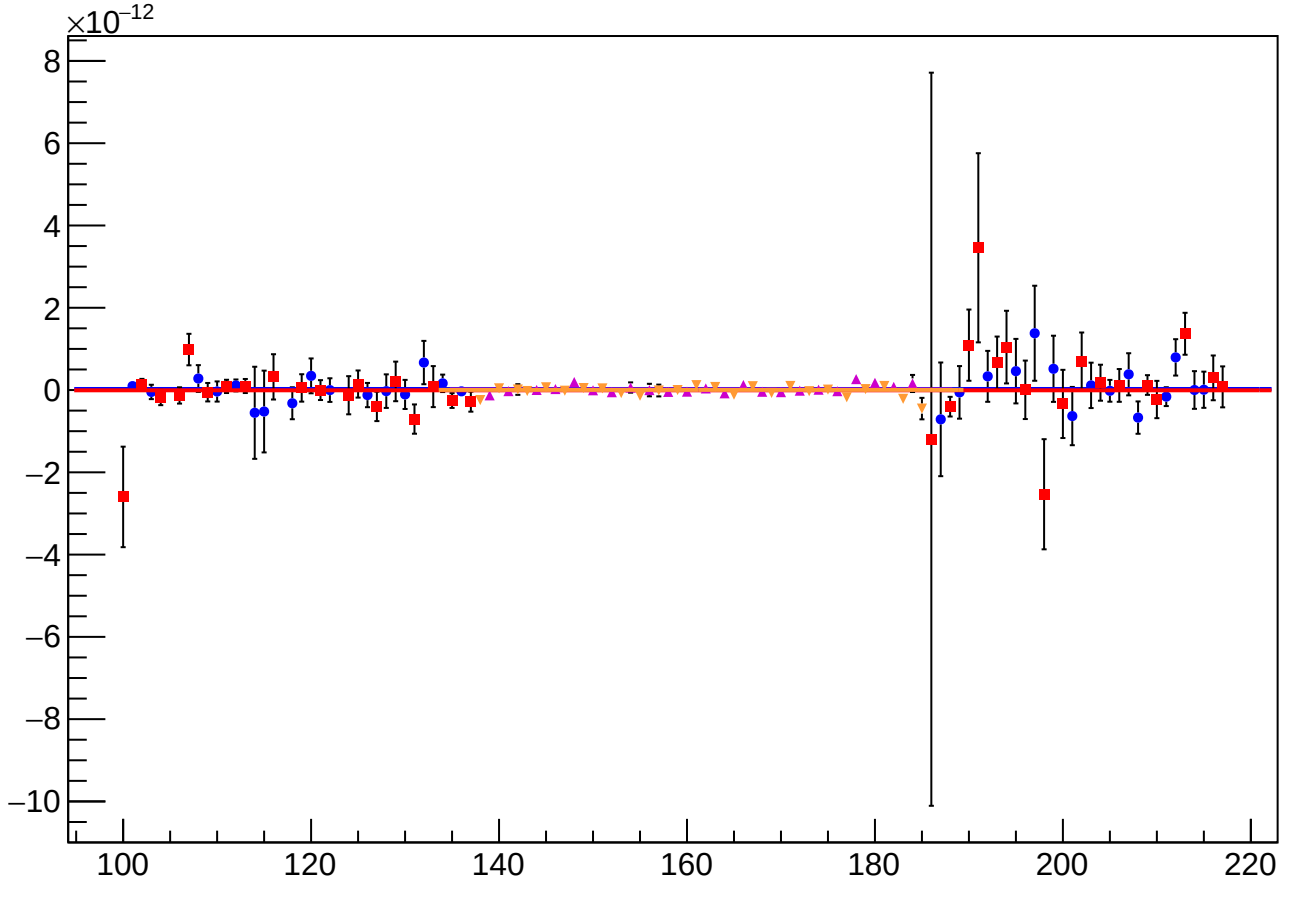
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3119.405+/-0.375 χ^2/NDF: 10361998.6/66

In: 2341.074+/-0.287 χ^2/NDF:8152076.6/53

Out: 2325.609+/-0.279 χ^2/NDF:9906938.1/60

All: 2333.114+/-0.200 χ^2/NDF: 18060510.5/1



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: 45.7/35

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

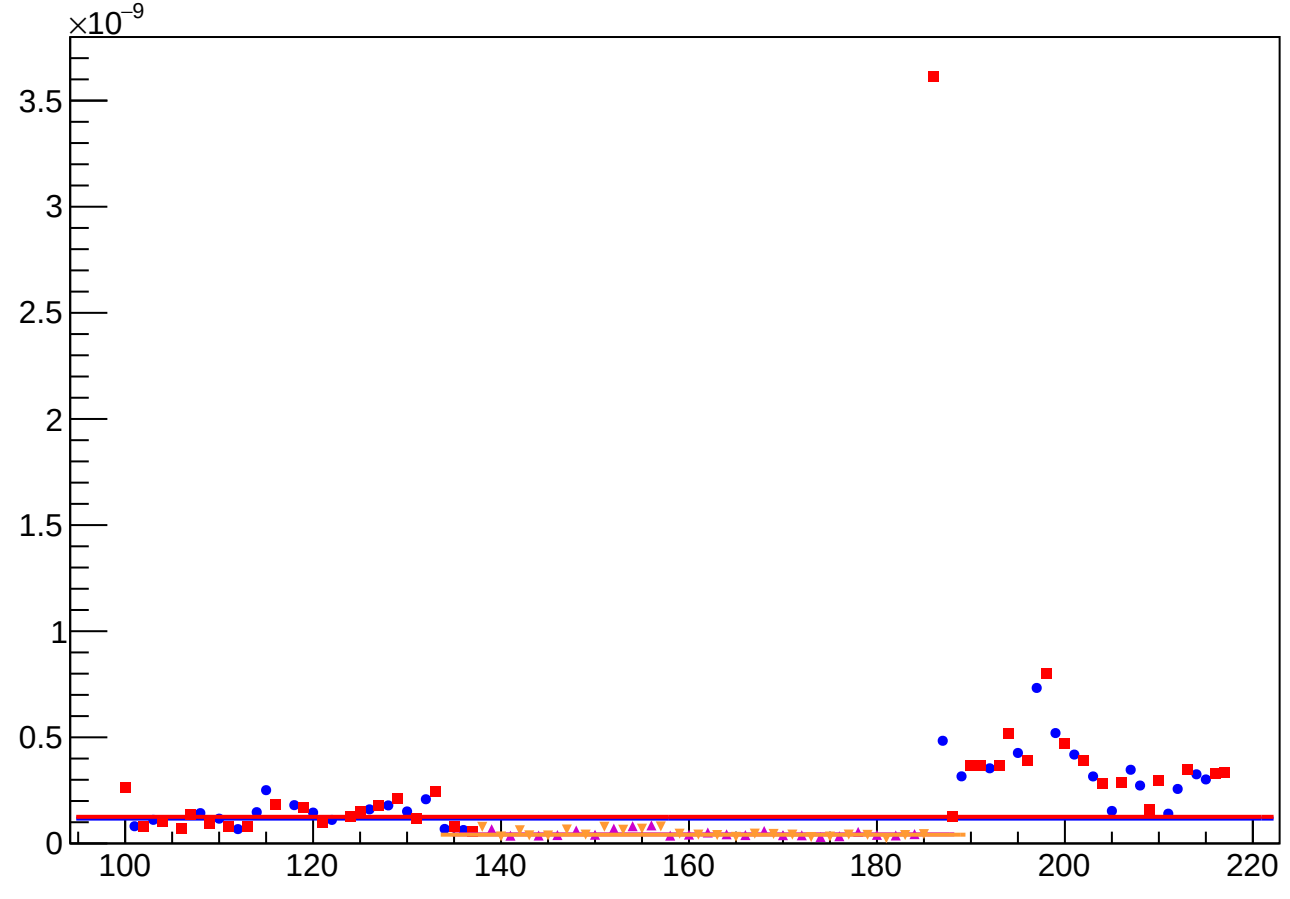
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 62.8/66

In: 0.000+/-0.000 χ^2/NDF:37.9/53

Out: 0.000+/-0.000 χ^2/NDF:77.8/60

All: 0.000+/-0.000 χ^2/NDF: 115.9/114



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: 5914479.7/35

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

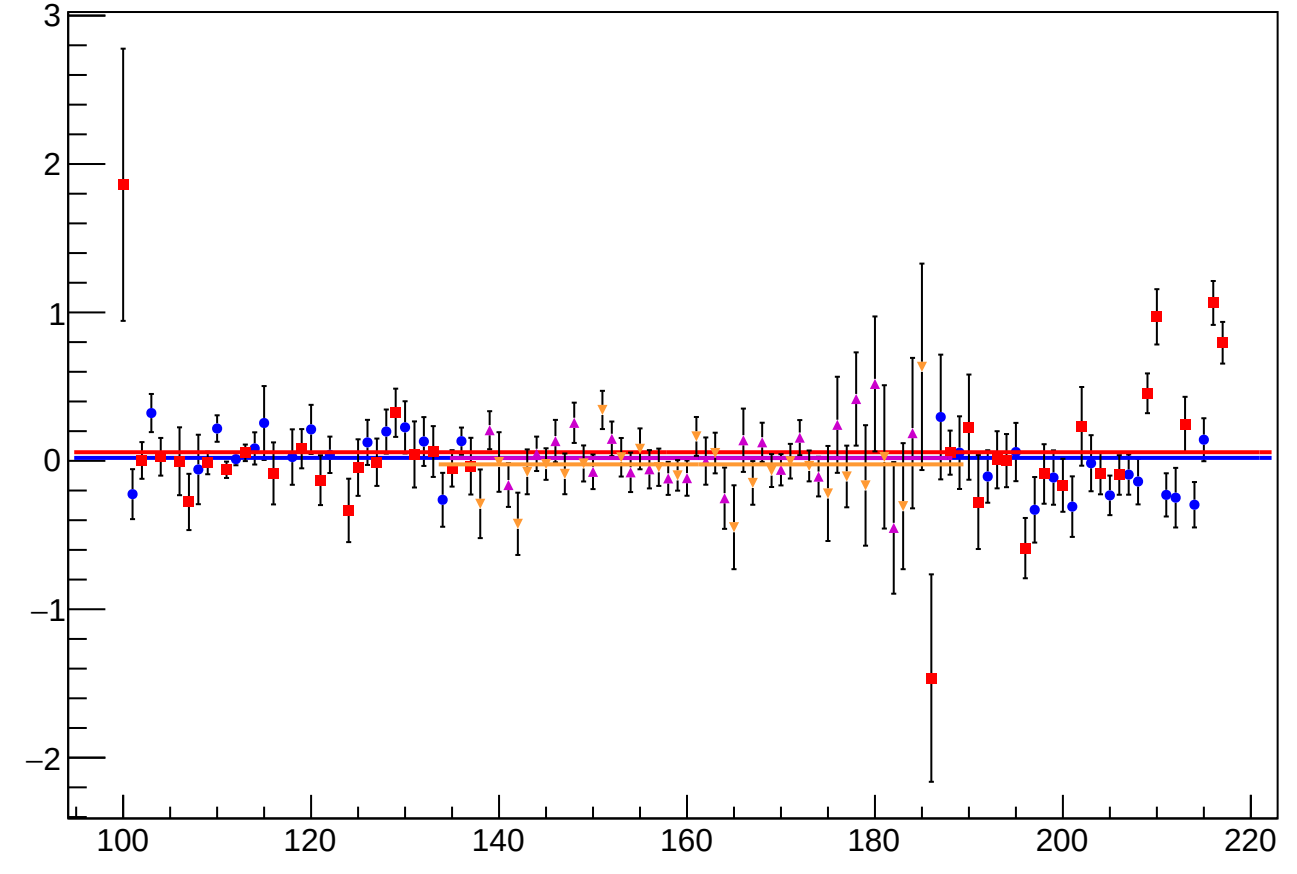
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11759356.1/66

In: 0.000+/-0.000 χ^2/NDF:11004439.8/53

Out: 0.000+/-0.000 χ^2/NDF:12229454.3/60

All: 0.000+/-0.000 χ^2/NDF: 23256239.1/114



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: 0.058+/-0.023 χ^2/NDF: 150.9/35

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

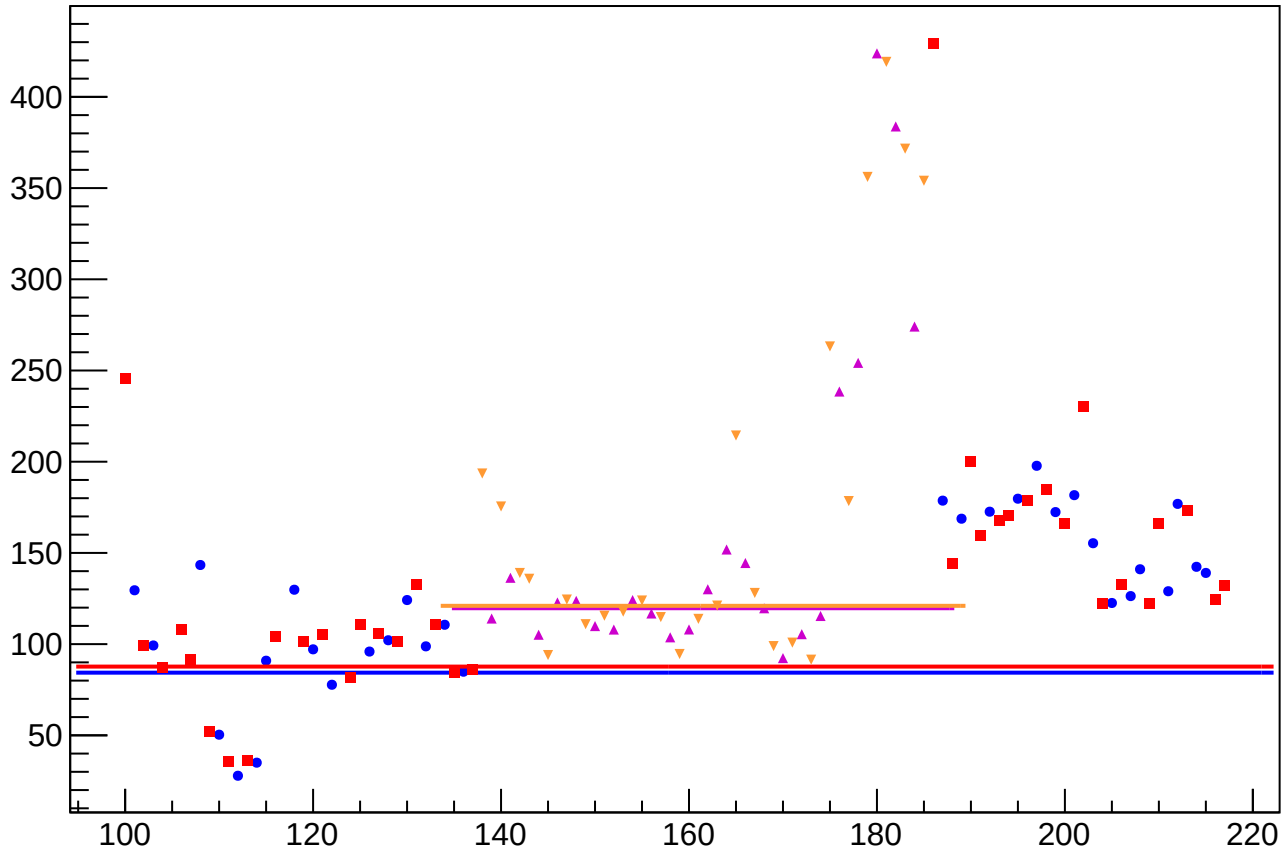
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.039+/-0.016 χ^2/NDF: 196.9/66

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: 0.028+/-0.018 χ^2/NDF:177.8/60

All: 0.024+/-0.013 χ^2/NDF: 245.6/114



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: 87.685+/-0.016 χ^2/NDF: 9525187.2/35

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

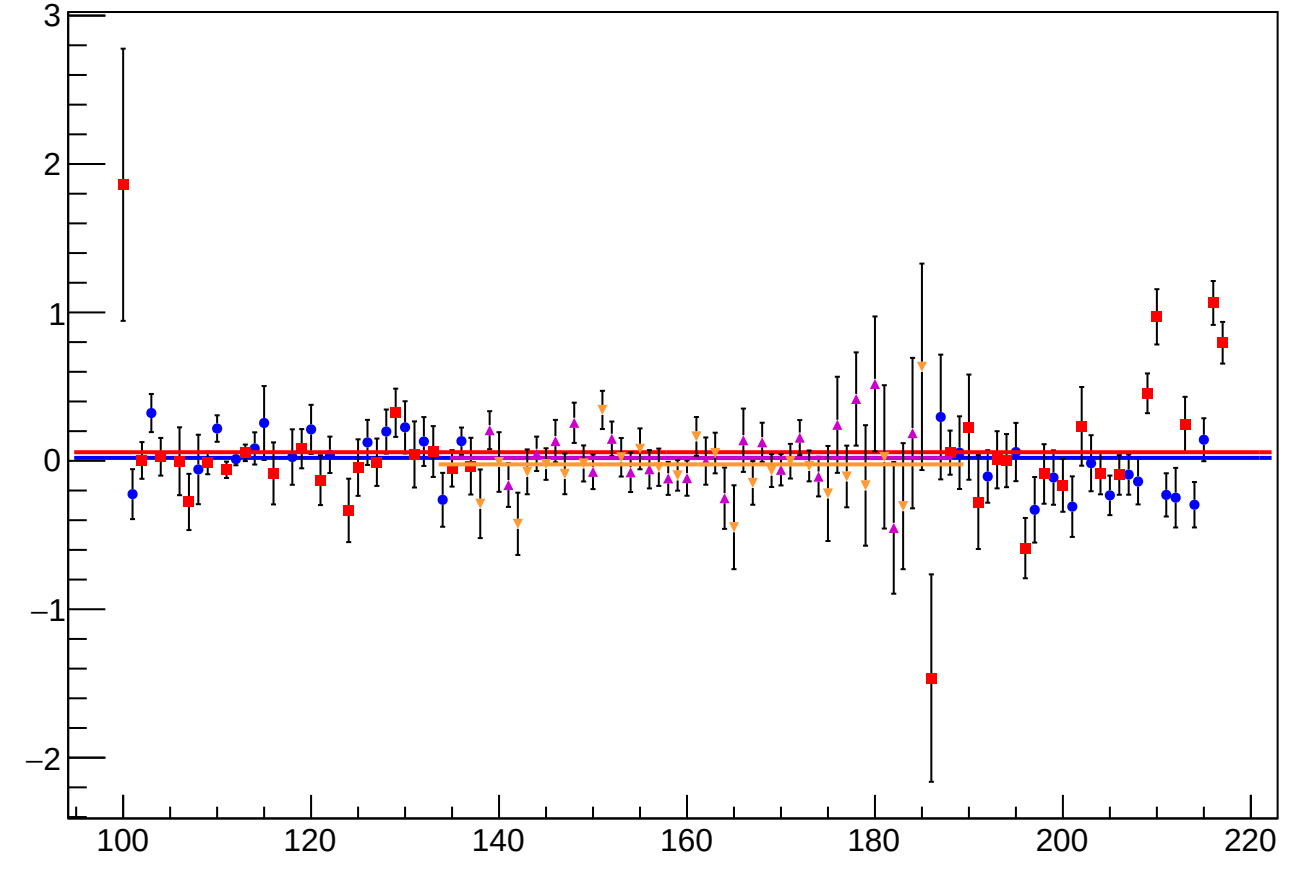
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 86.045+/-0.011 χ^2/NDF: 19505445.4/66

In: 97.405+/-0.013 χ^2/NDF:14519879.4/53

Out: 99.937+/-0.013 χ^2/NDF:15189844.4/60

All: 98.688+/-0.009 χ^2/NDF: 29728959.0/114



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: 0.058+/-0.023 χ^2/NDF: 150.9/35

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

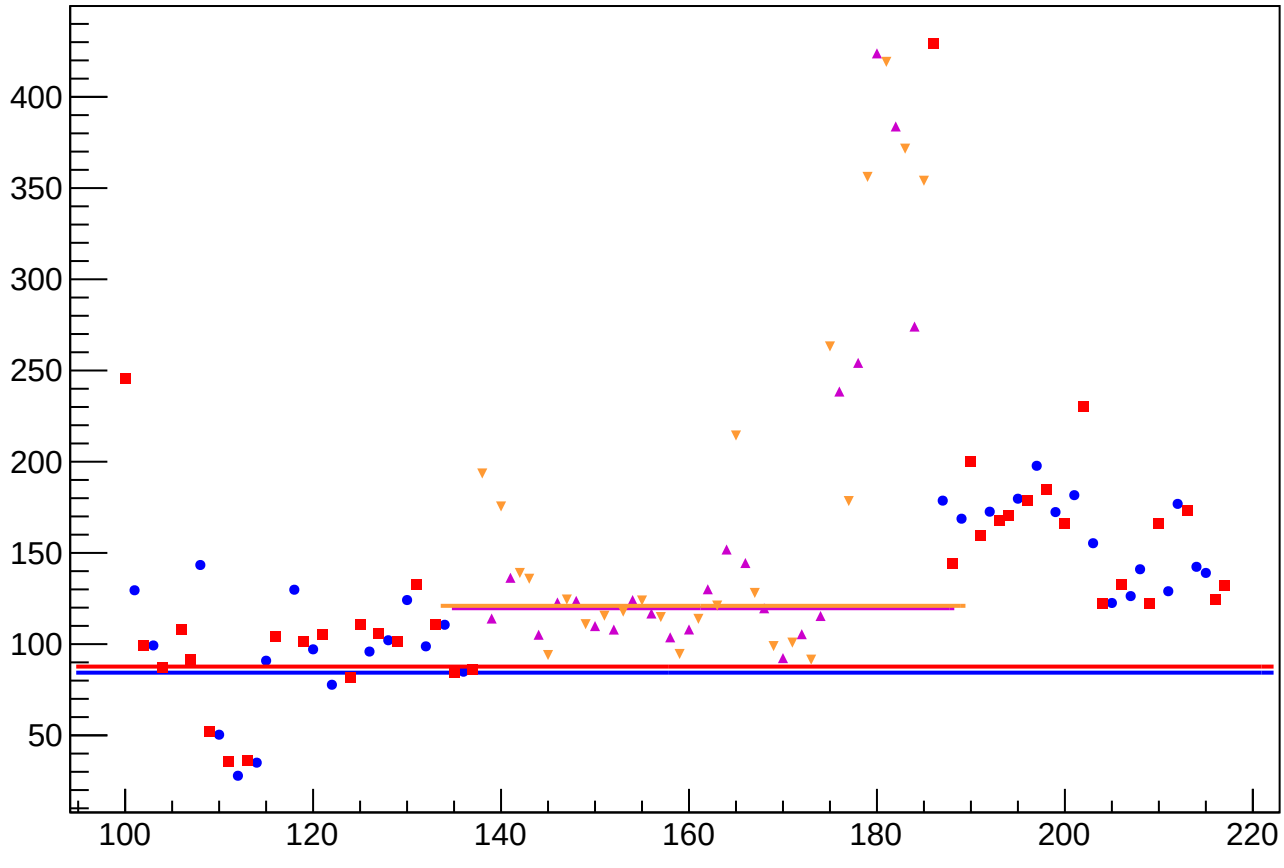
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.039+/-0.016 χ^2/NDF: 196.9/66

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: 0.028+/-0.018 χ^2/NDF:177.8/60

All: 0.024+/-0.013 χ^2/NDF: 245.6/114



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: 87.685+/-0.016 χ^2/NDF: 9525187.2/35

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

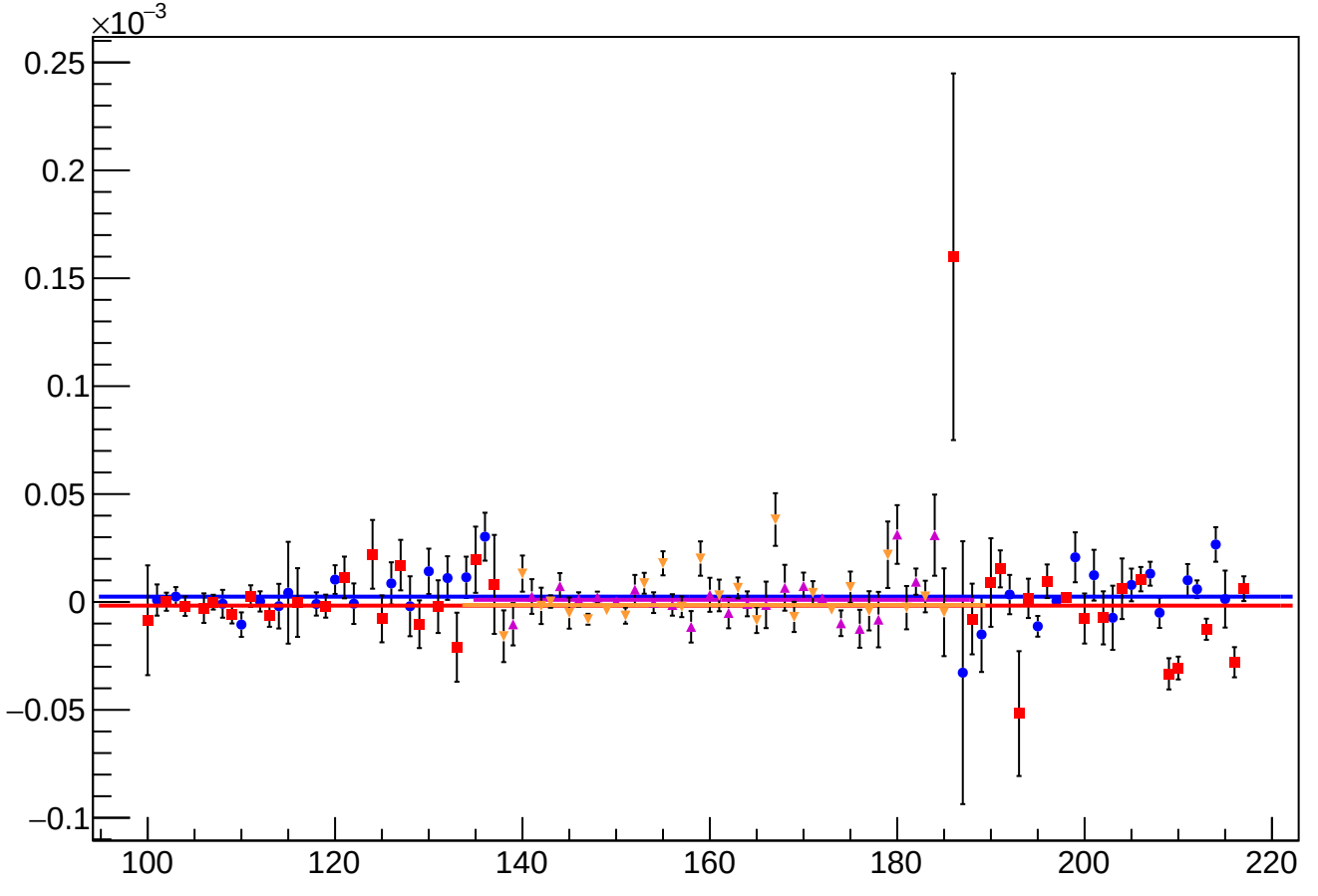
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 86.045+/-0.011 χ^2/NDF: 19505445.4/66

In: 97.405+/-0.013 χ^2/NDF:14519879.4/53

Out: 99.937+/-0.013 χ^2/NDF:15189844.4/60

All: 98.688+/-0.009 χ^2/NDF: 29728959.0/114



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: 108.5/35

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

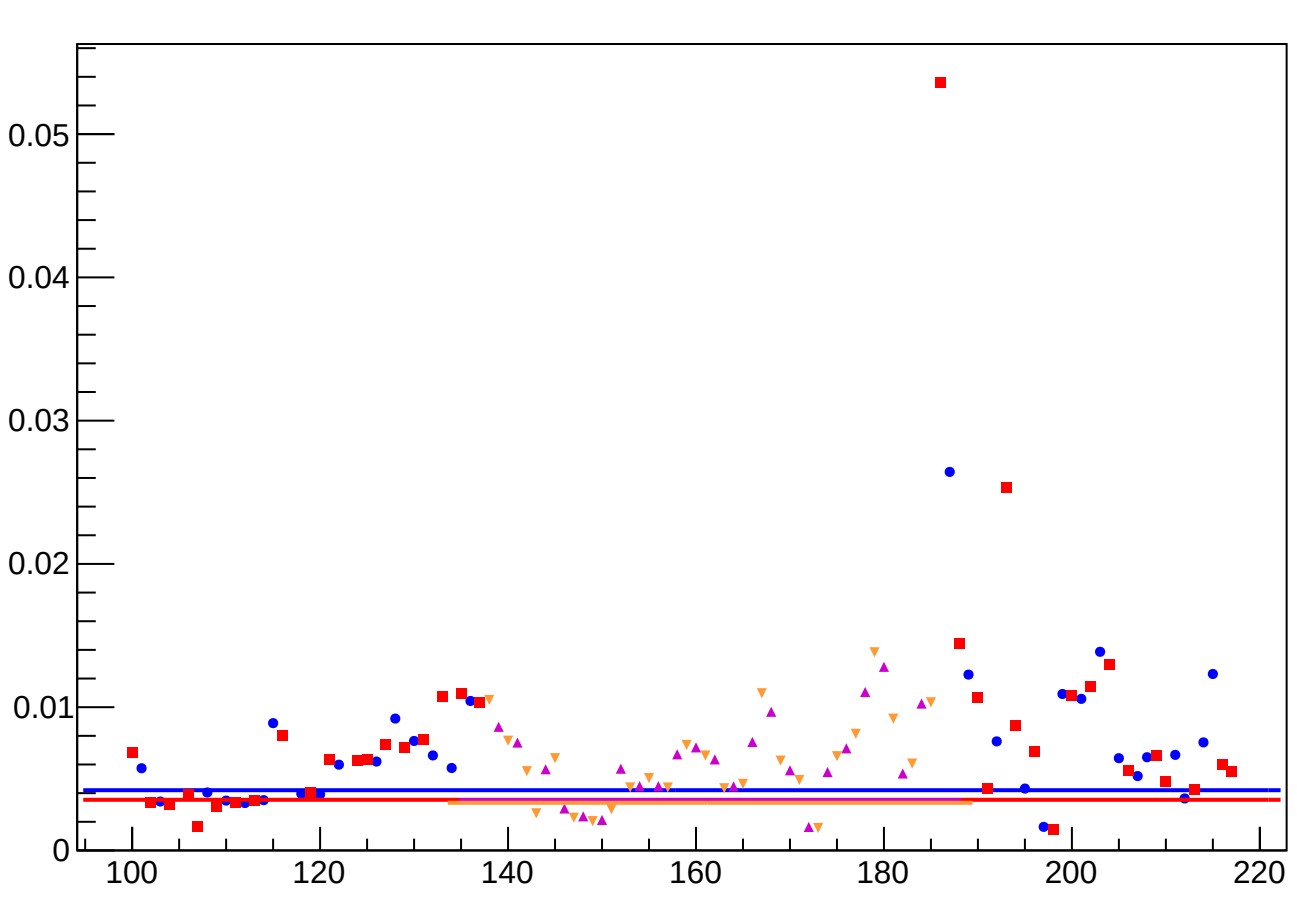
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 163.9/66

In: 0.000+/-0.000 χ^2/NDF:73.2/53

Out: -0.000+/-0.000 χ^2/NDF:169.0/60

All: -0.000+/-0.000 χ^2/NDF: 252.3/114



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: 0.004+/-0.000 χ^2/NDF: 13803288.6/35

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

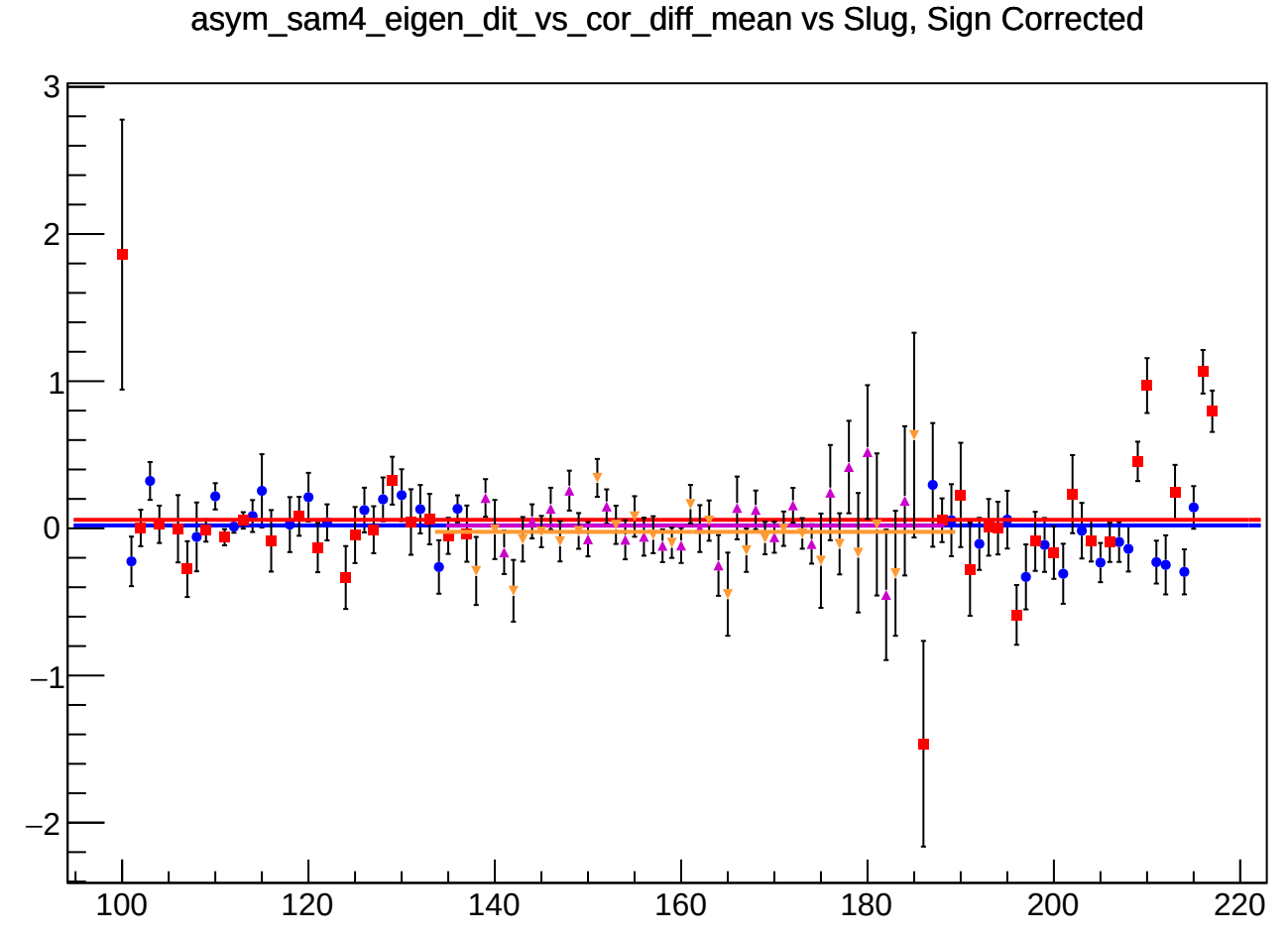
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 23652956.5/66

In: 0.004+/-0.000 χ^2/NDF:19289647.4/53

Out: 0.003+/-0.000 χ^2/NDF:24339044.9/60

All: 0.004+/-0.000 χ^2/NDF: 43934404.3/114



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: 0.058+/-0.023 χ^2/NDF: 150.9/35

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

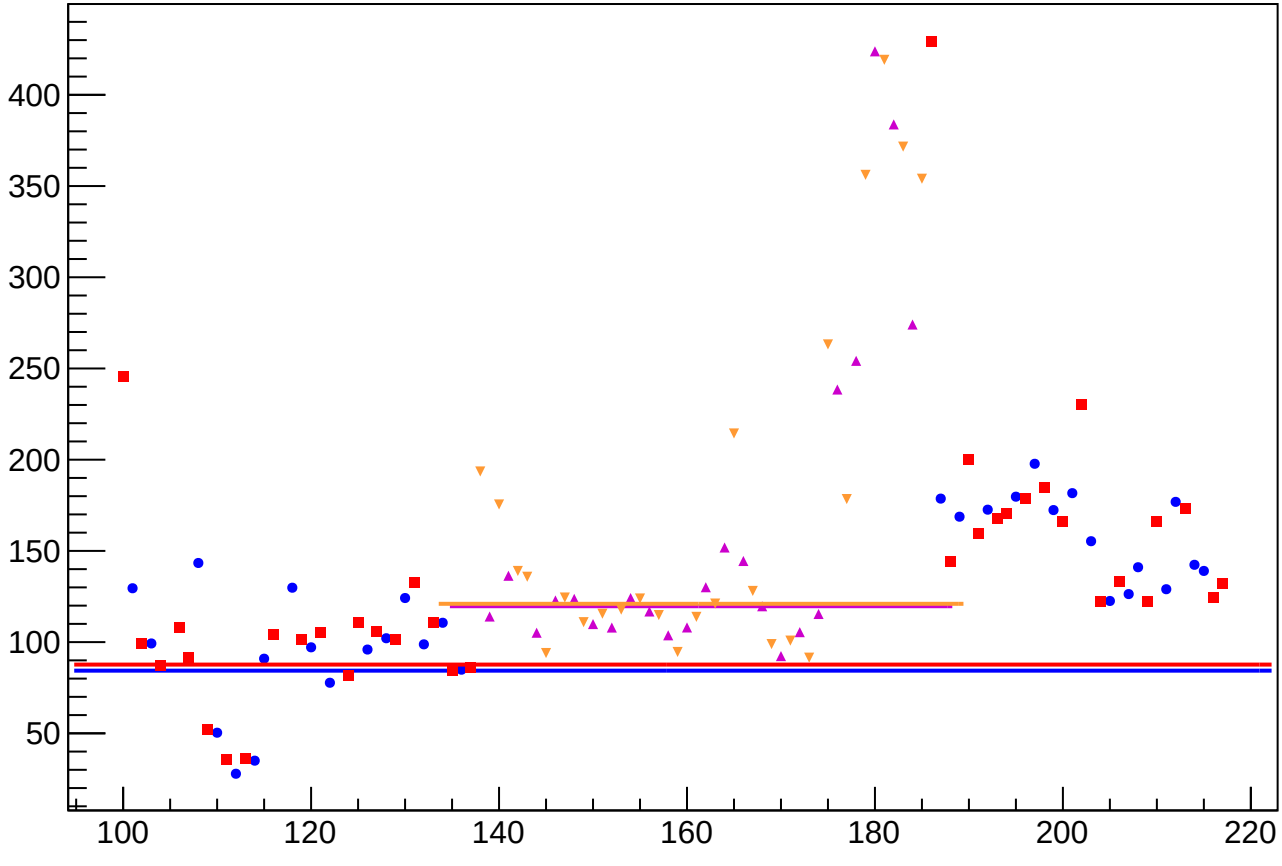
Right: 0.039+/-0.016 χ^2/NDF: 196.9/66

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: 0.028+/-0.018 χ^2/NDF:177.8/60

All: 0.024+/-0.013 χ^2/NDF: 245.6/114

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: 87.683+/-0.016 χ^2/NDF: 9525745.8/35

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

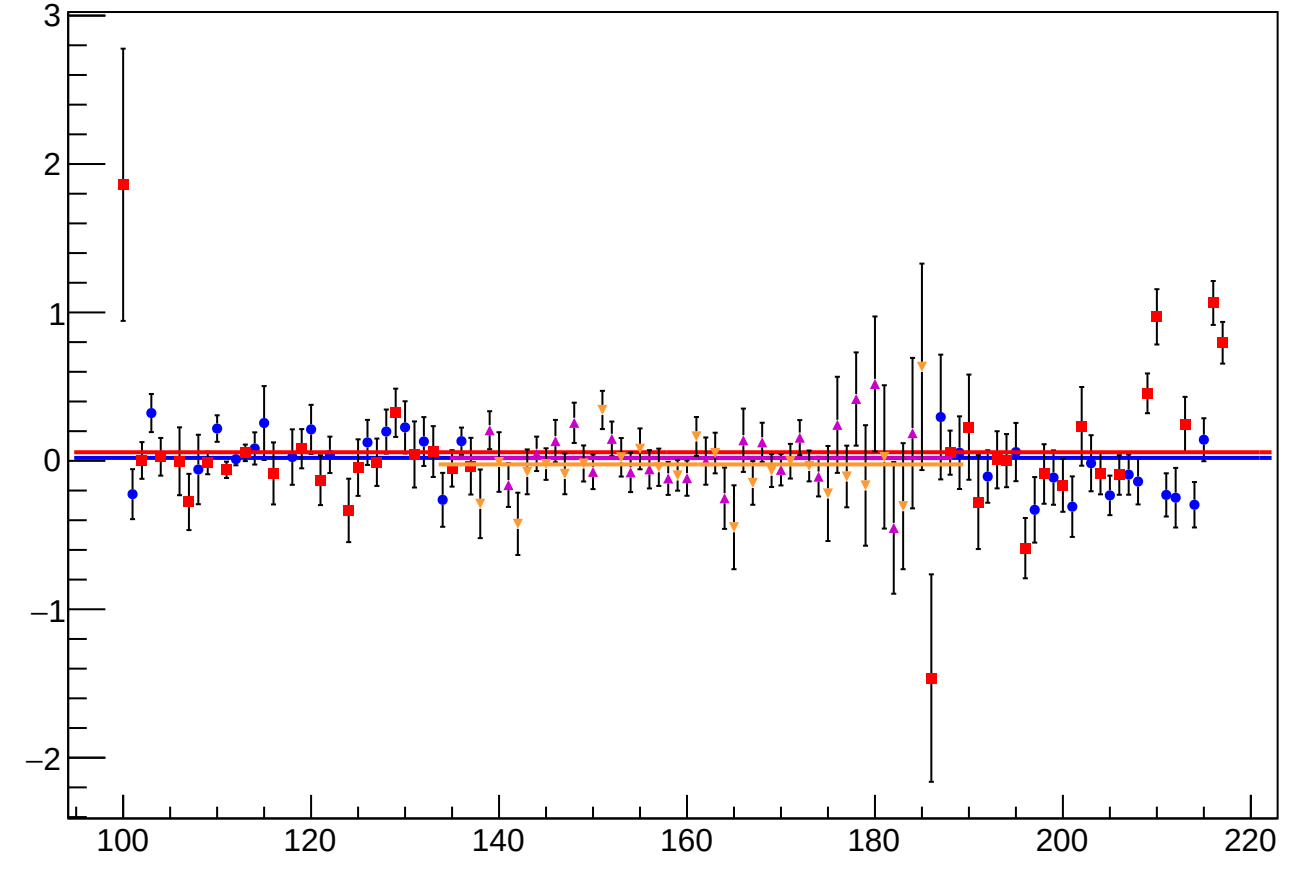
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 86.043+/-0.011 χ^2/NDF: 19506527.6/66

In: 97.404+/-0.013 χ^2/NDF:14520657.1/53

Out: 99.936+/-0.013 χ^2/NDF:15190616.0/60

All: 98.686+/-0.009 χ^2/NDF: 29730514.3/114



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: 0.058+/-0.023 χ^2/NDF: 150.9/35

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

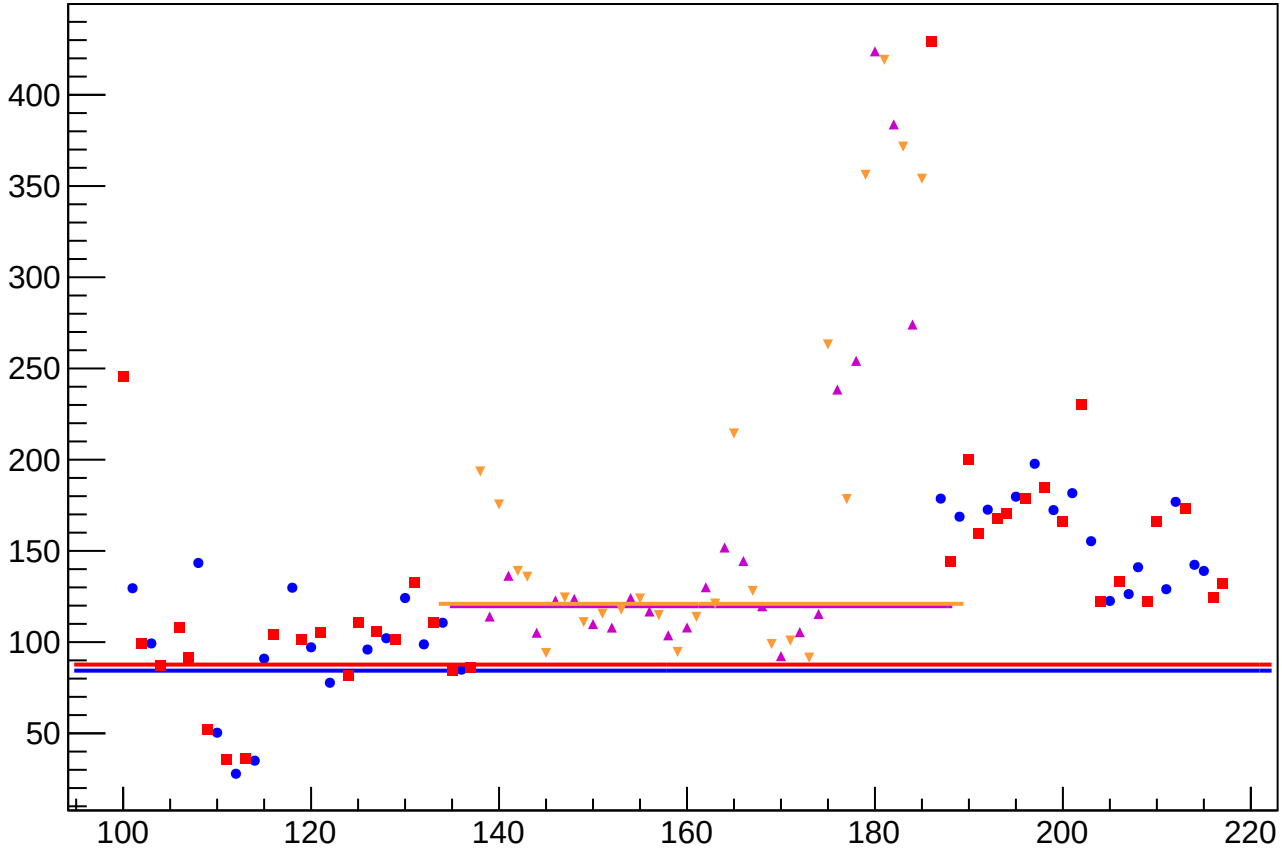
Right: 0.039+/-0.016 χ^2/NDF: 196.9/66

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: 0.028+/-0.018 χ^2/NDF:177.8/60

All: 0.024+/-0.013 χ^2/NDF: 245.6/114

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: 87.683+/-0.016 χ^2/NDF: 9525745.8/35

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

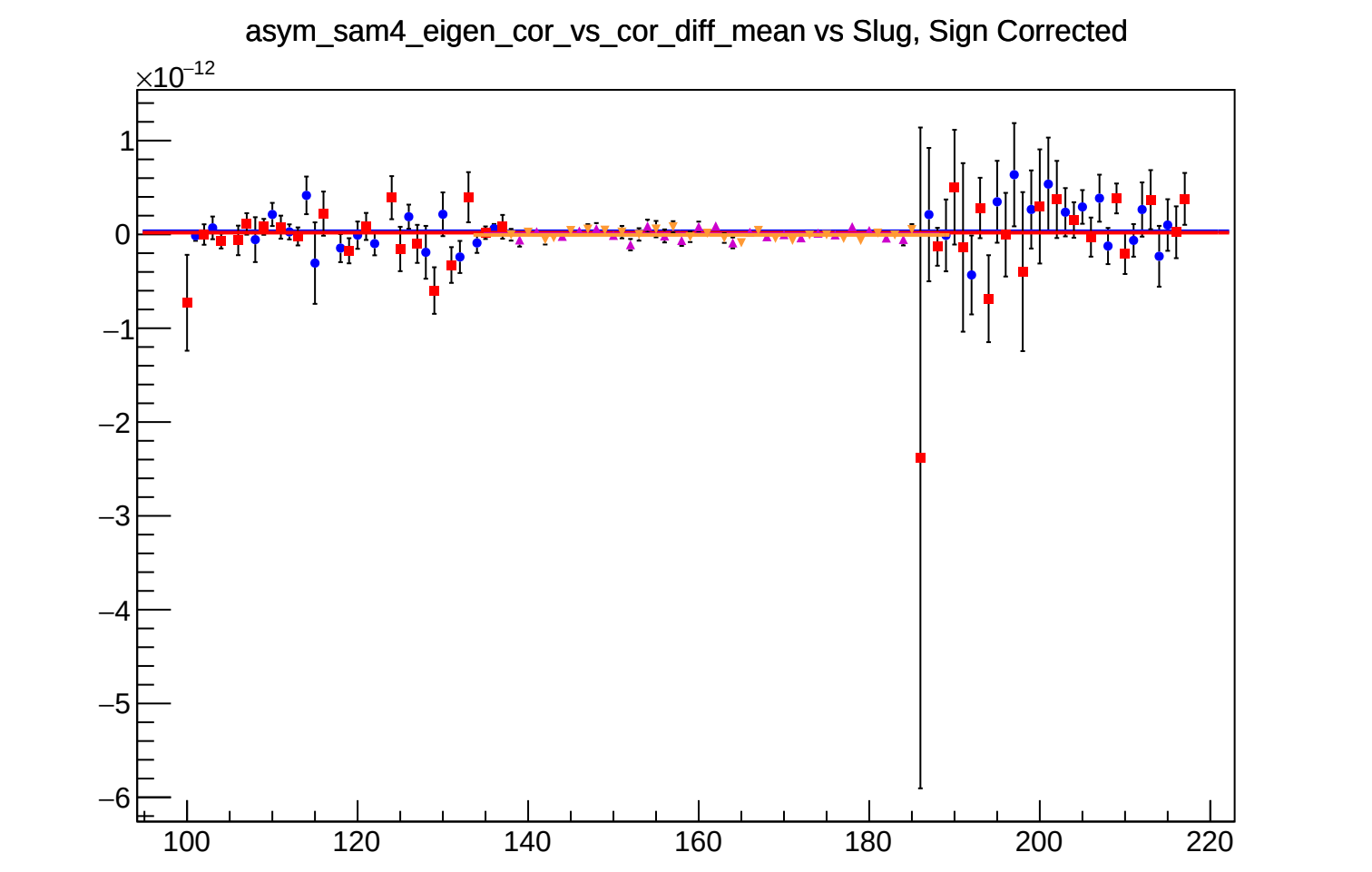
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 86.043+/-0.011 χ^2/NDF: 19506527.6/66

In: 97.404+/-0.013 χ^2/NDF:14520657.1/53

Out: 99.936+/-0.013 χ^2/NDF:15190616.0/60

All: 98.686+/-0.009 χ^2/NDF: 29730514.3/114



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: 39.2/35

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

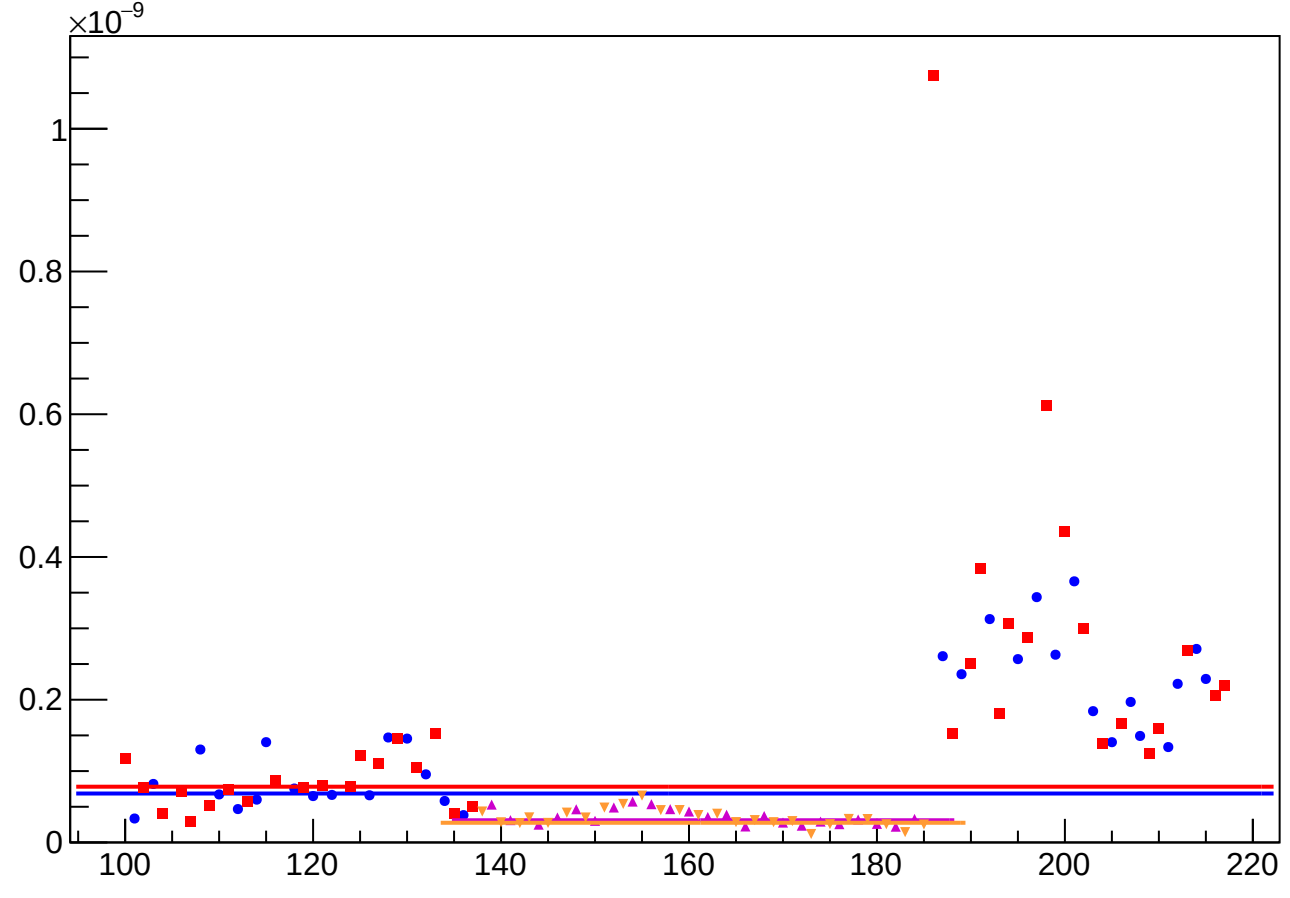
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 67.7/66

In: 0.000+/-0.000 χ^2/NDF:57.3/53

Out: -0.000+/-0.000 χ^2/NDF:62.1/60

All: 0.000+/-0.000 χ^2/NDF: 120.2/114



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: 9044489.7/35

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

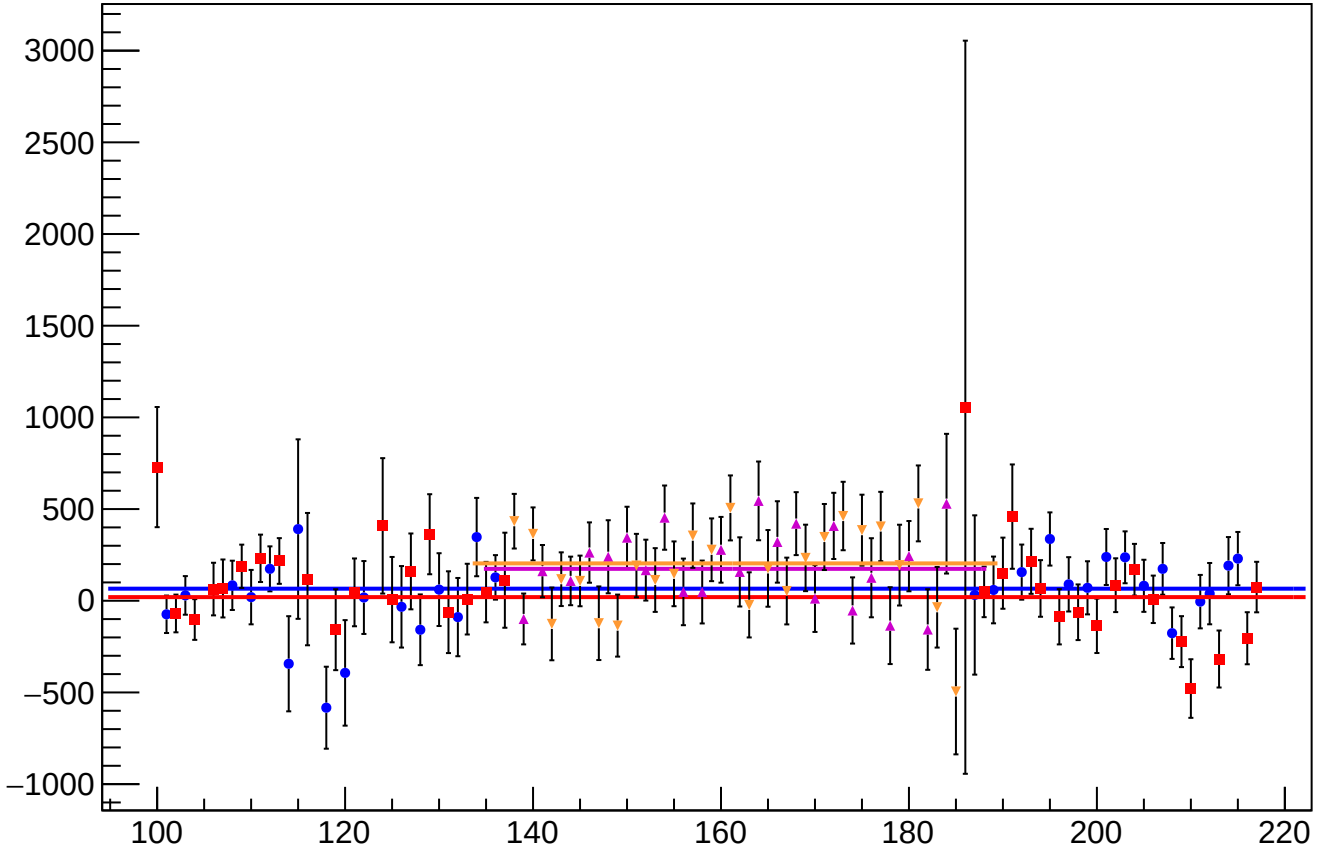
Right: 0.000+/-0.000 χ^2/NDF: 18718130.6/66

In: 0.000+/-0.000 χ^2/NDF:15563105.9/53

Out: 0.000+/-0.000 χ^2/NDF:19317136.1/60

All: 0.000+/-0.000 χ^2/NDF: 35084899.1/114

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: 19.840+/-26.862 χ^2/NDF: 47.0/35

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

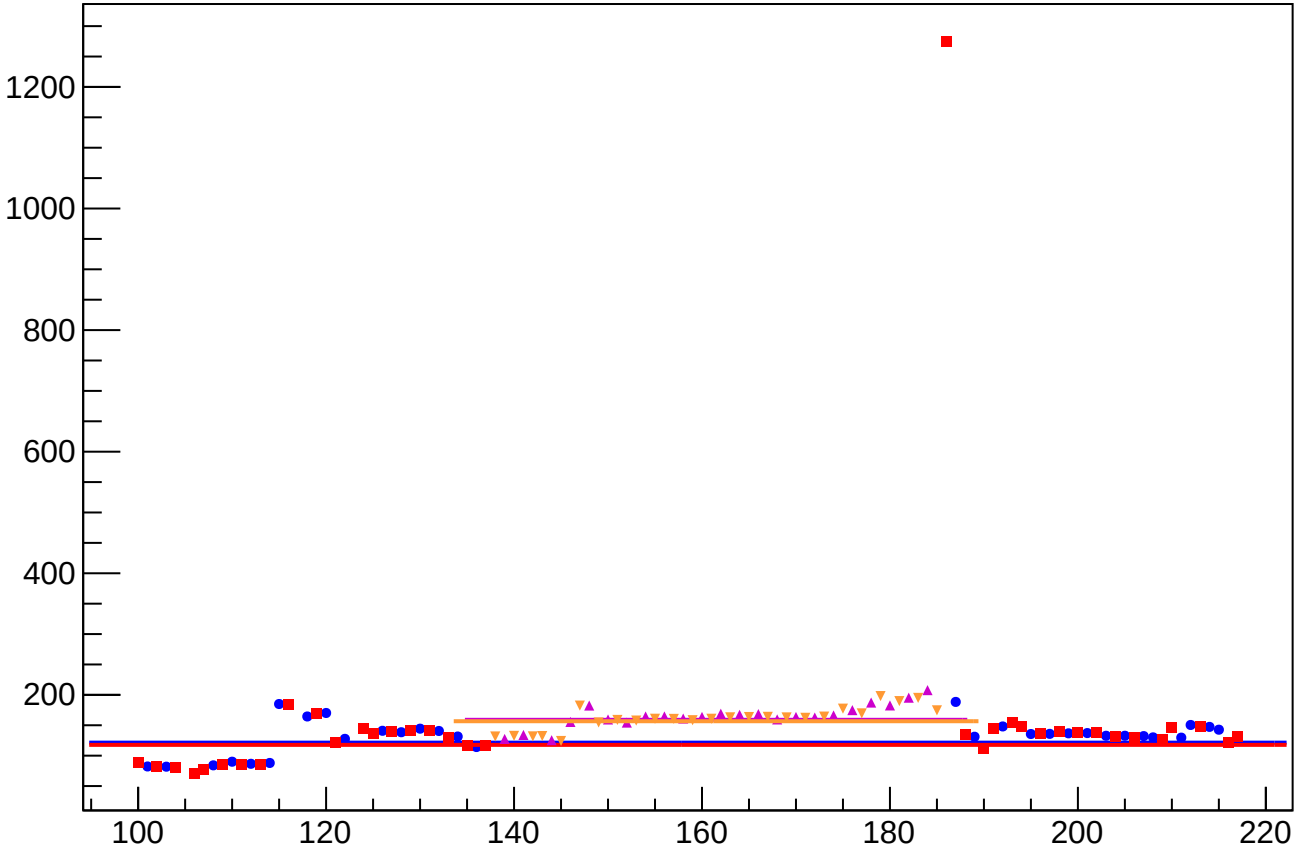
Right: 41.665+/-19.480 χ^2/NDF: 81.7/66

In: 105.212+/-22.564 χ^2/NDF:63.1/53

Out: 85.907+/-21.503 χ^2/NDF:96.7/60

All: 95.095+/-15.567 χ^2/NDF: 160.2/114

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: 117.758+/-0.019 χ^2/NDF: 2746493.0/35

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

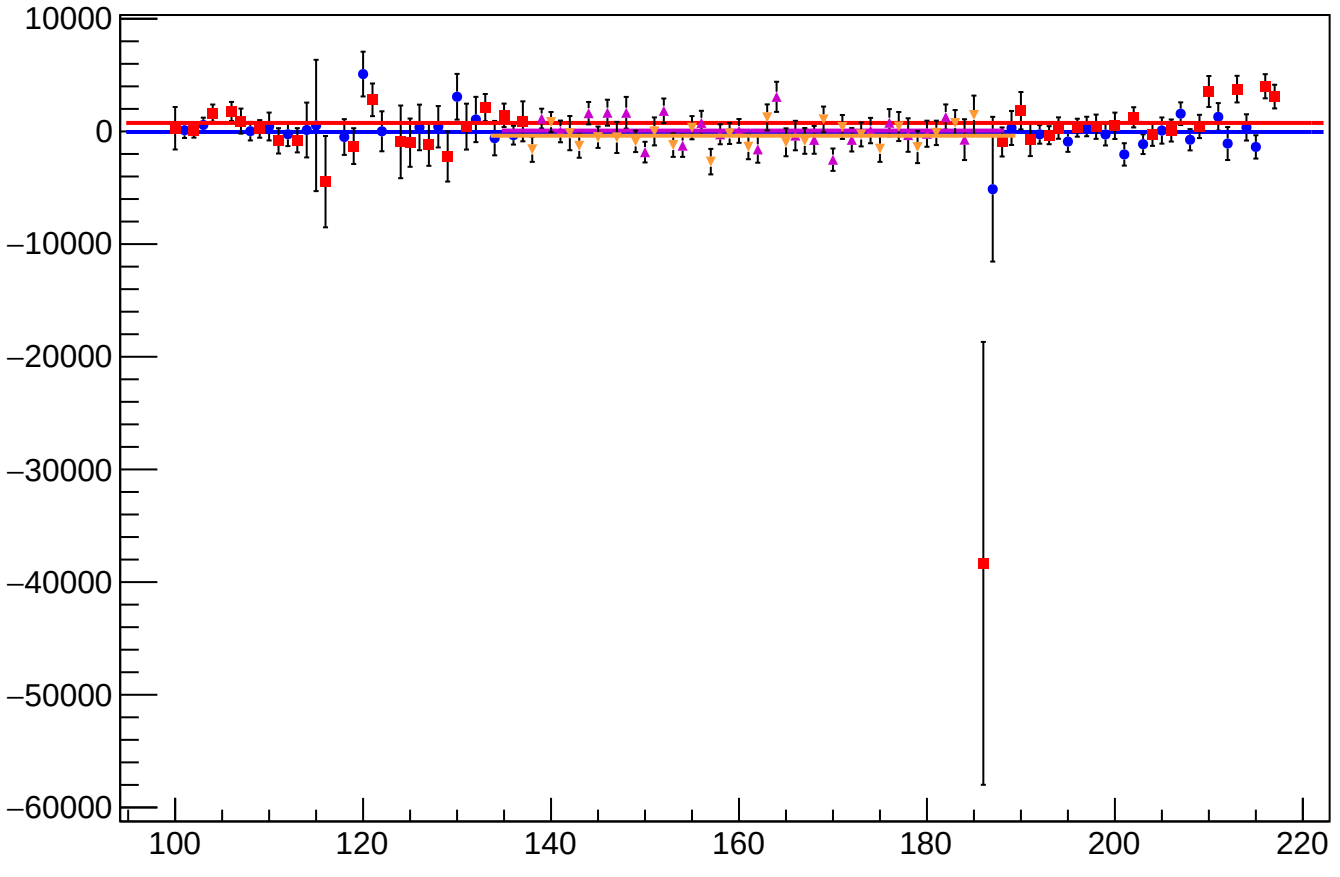
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 119.493+/-0.014 χ^2/NDF: 4439410.8/66

In: 135.076+/-0.016 χ^2/NDF:3467584.6/53

Out: 131.724+/-0.015 χ^2/NDF:4833949.3/60

All: 133.320+/-0.011 χ^2/NDF: 8324670.5/114



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: 753.782+/-188.031 χ^2/NDF: 55.6/35

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

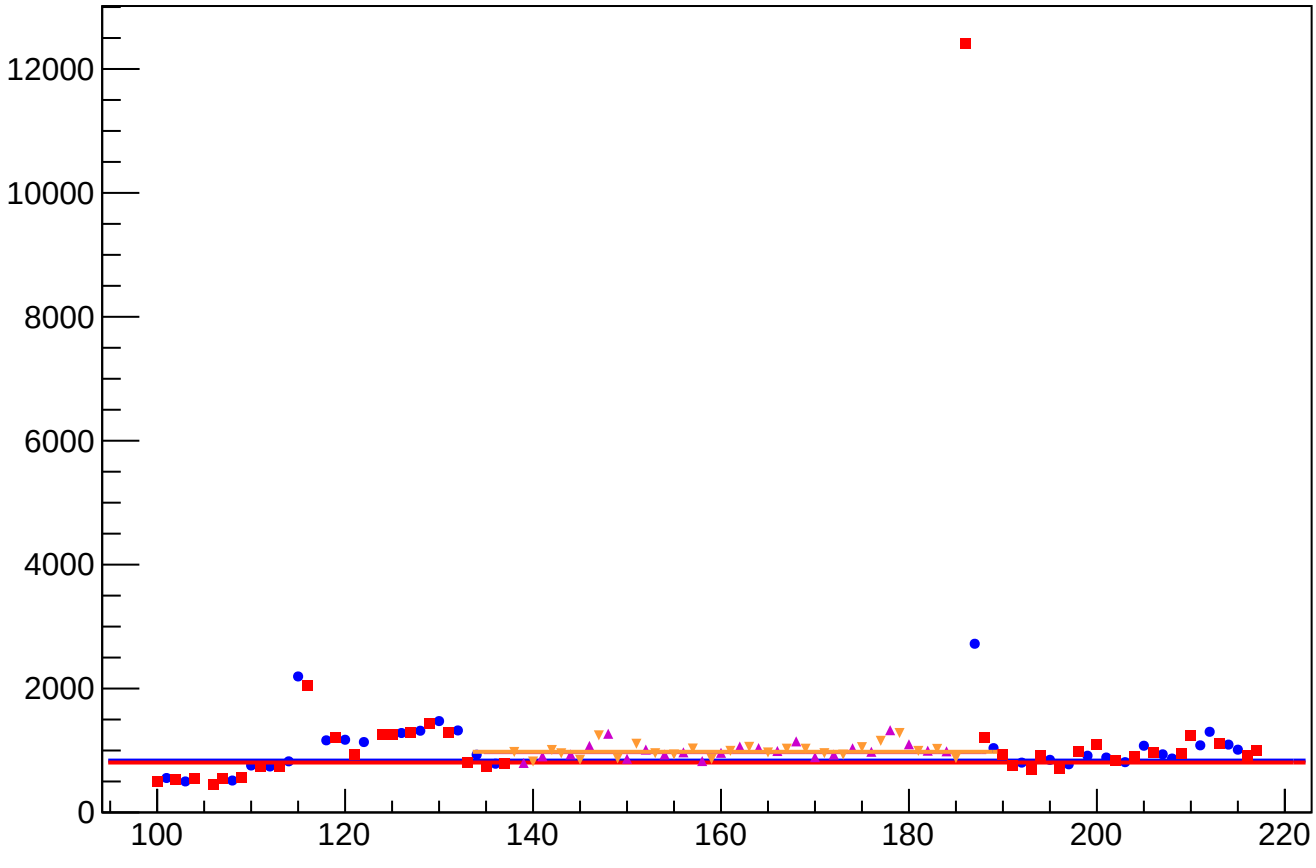
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 376.437+/-136.877 χ^2/NDF: 89.3/66

In: 4.140+/-150.705 χ^2/NDF:58.4/53

Out: 286.190+/-144.164 χ^2/NDF:89.3/60

All: 151.418+/-104.175 χ^2/NDF: 149.5/114



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: 805.895+/-0.133 χ^2/NDF: 3935397.1/35

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

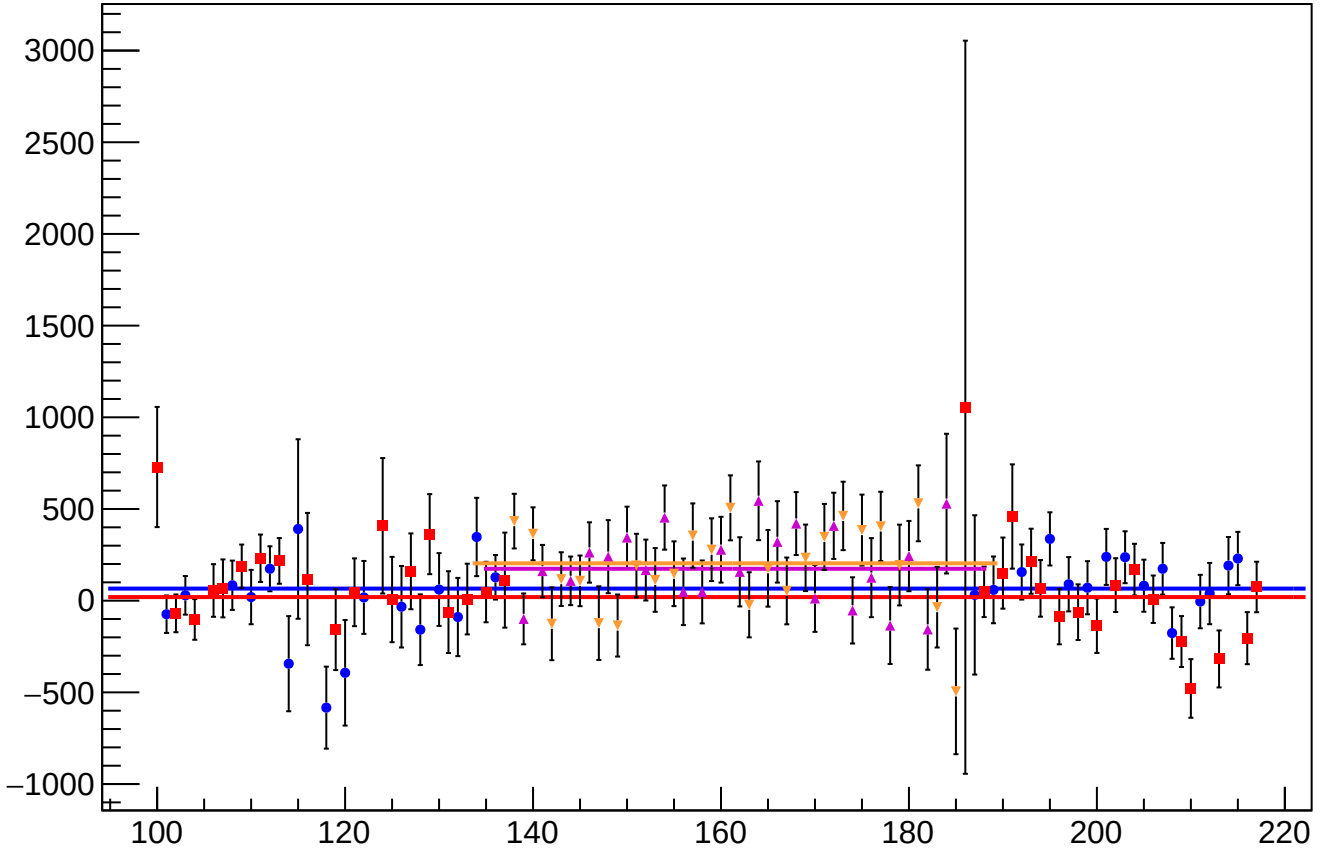
Right: 820.518+/-0.097 χ^2/NDF: 6829720.3/66

In: 895.850+/-0.107 χ^2/NDF:3771252.5/53

Out: 877.289+/-0.102 χ^2/NDF:5064746.6/60

All: 886.158+/-0.074 χ^2/NDF: 8851839.7/114

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: 19.574+/-26.863 χ^2/NDF: 46.9/35

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

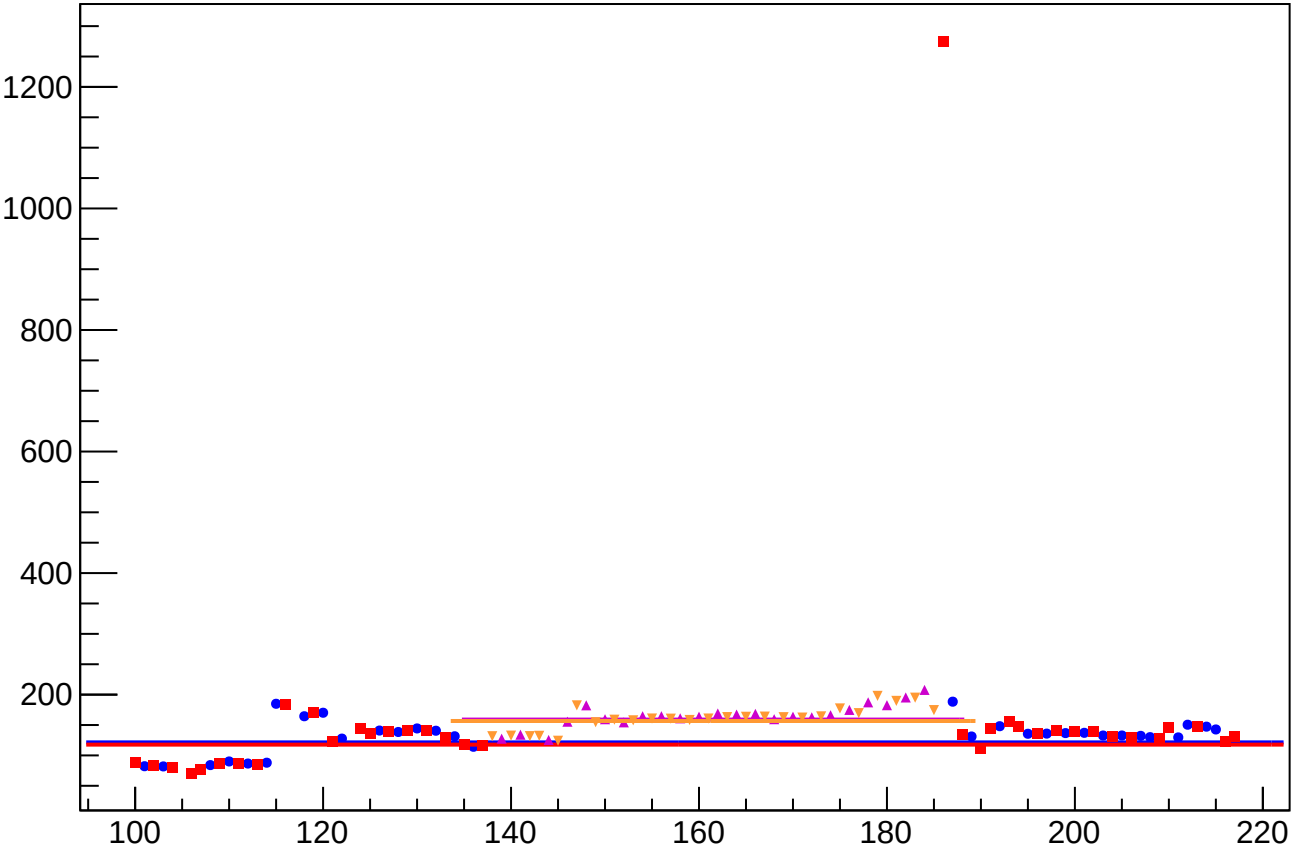
Right: 41.525+/-19.481 χ^2/NDF: 81.7/66

In: 105.212+/-22.564 χ^2/NDF:63.2/53

Out: 85.741+/-21.504 χ^2/NDF:96.7/60

All: 95.008+/-15.567 χ^2/NDF: 160.2/114

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: 117.747+/-0.019 χ^2/NDF: 2749828.2/35

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

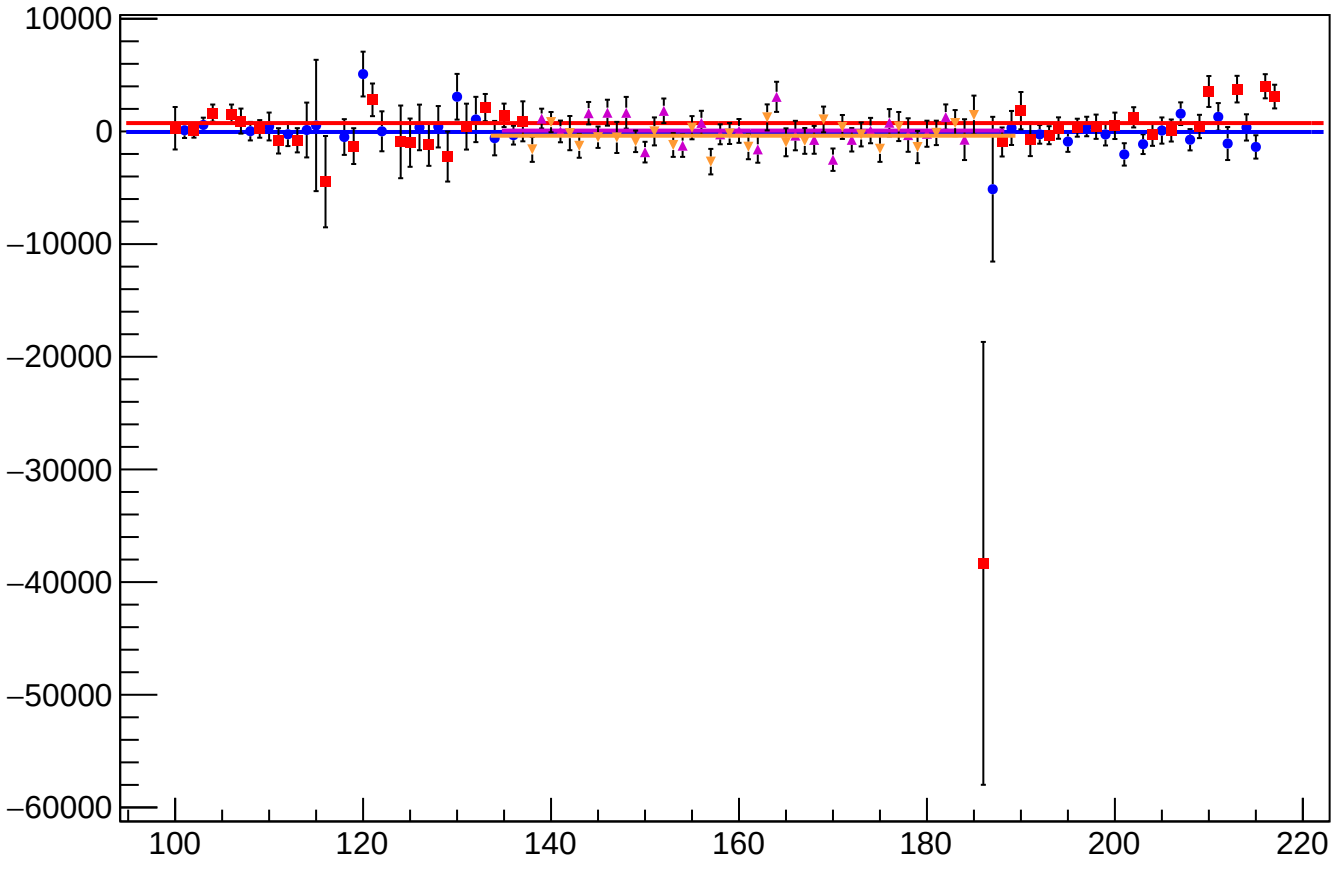
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.488+/-0.014 χ^2/NDF: 4442847.1/66

In: 135.076+/-0.016 χ^2/NDF:3467582.6/53

Out: 131.718+/-0.015 χ^2/NDF:4838074.6/60

All: 133.316+/-0.011 χ^2/NDF: 8328879.3/114



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: 741.374+/-188.092 χ^2/NDF: 55.0/35

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

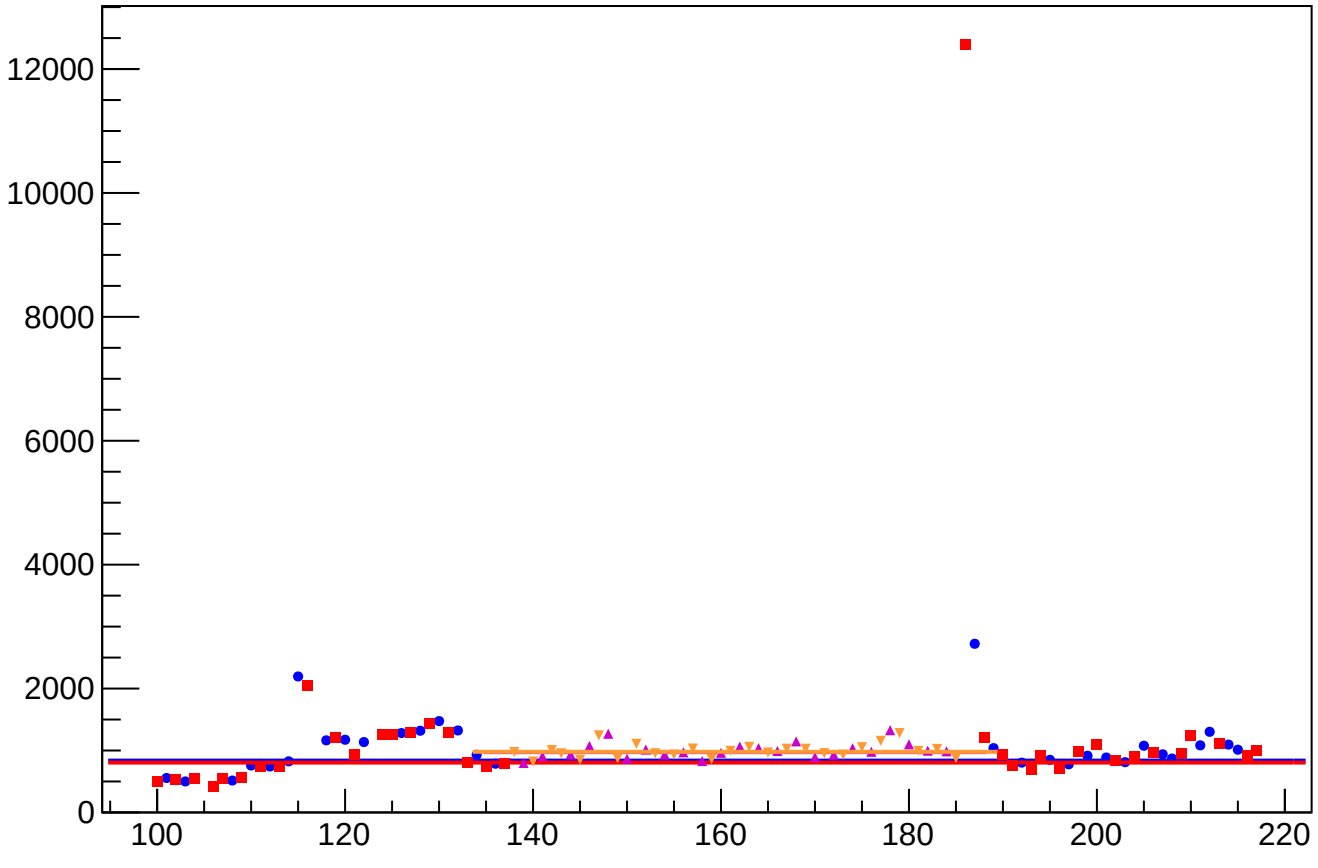
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 369.737+/-136.900 χ^2/NDF: 88.4/66

In: 4.141+/-150.705 χ^2/NDF:58.4/53

Out: 278.727+/-144.191 χ^2/NDF:88.4/60

All: 147.495+/-104.185 χ^2/NDF: 148.4/114



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: 804.939+/-0.133 χ^2/NDF: 3980160.9/35

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

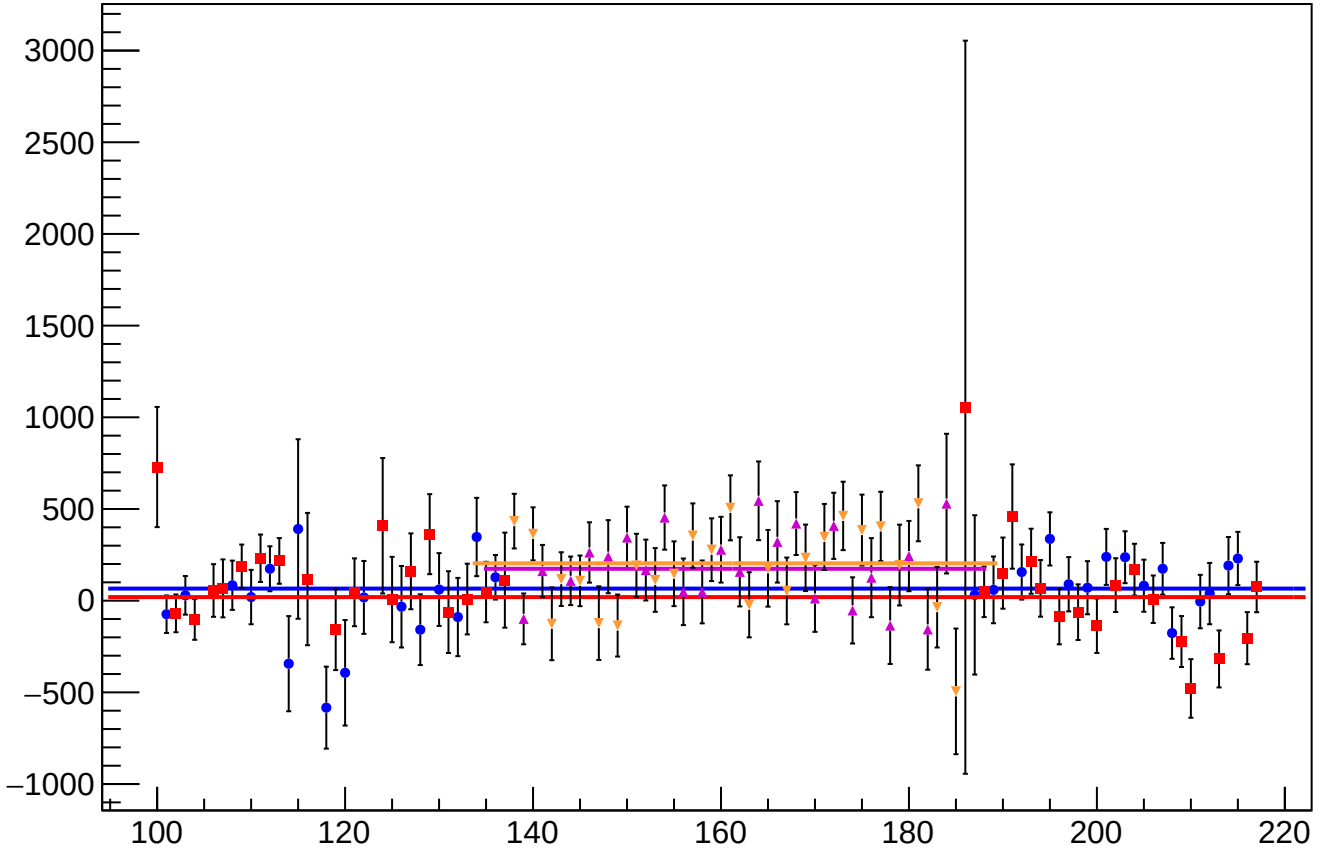
Right: 820.016+/-0.097 χ^2/NDF: 6876085.1/66

In: 895.850+/-0.107 χ^2/NDF:3771259.3/53

Out: 876.754+/-0.102 χ^2/NDF:5117068.1/60

All: 885.880+/-0.074 χ^2/NDF: 8905090.9/114

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: 19.574+/-26.863 χ^2/NDF: 46.9/35

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

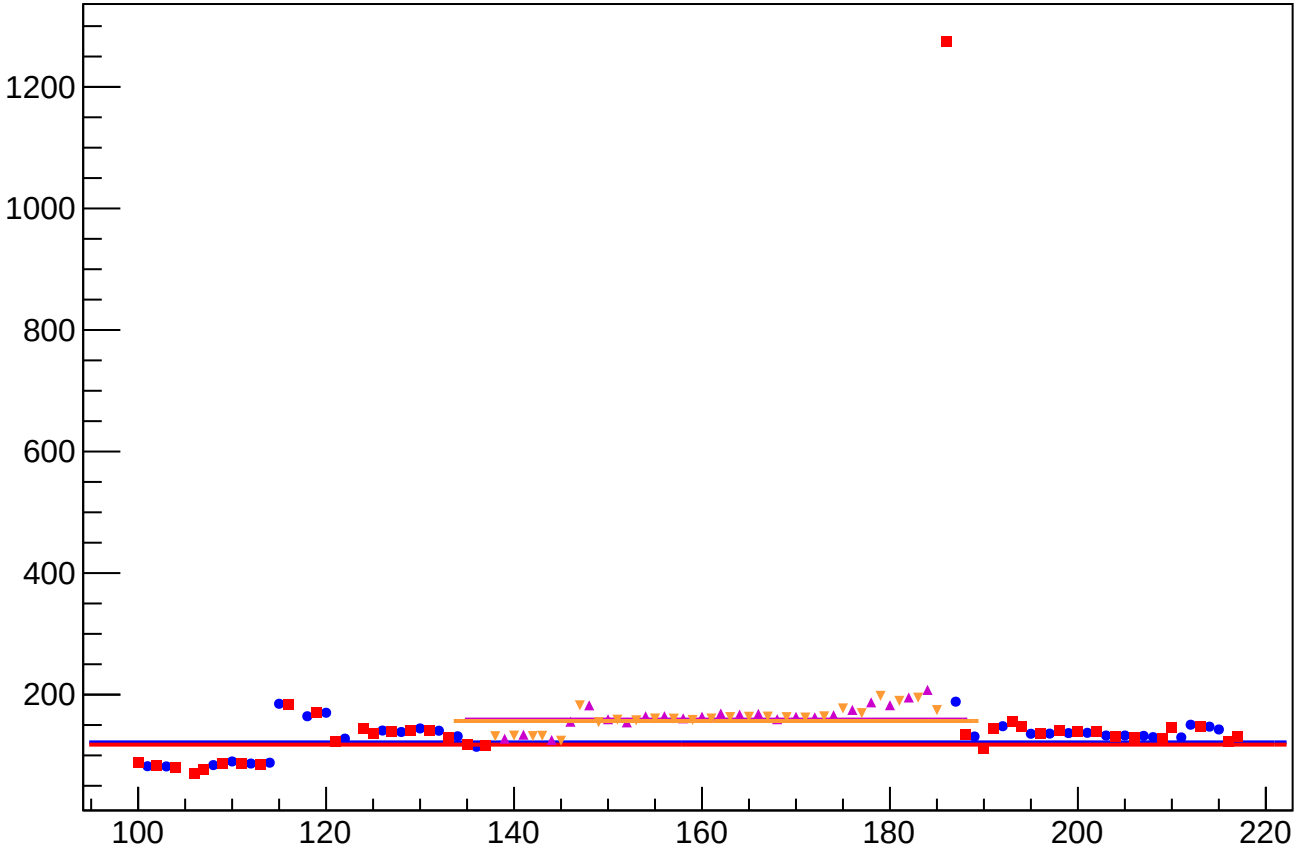
Right: 41.525+/-19.481 χ^2/NDF: 81.7/66

In: 105.212+/-22.564 χ^2/NDF:63.2/53

Out: 85.741+/-21.504 χ^2/NDF:96.7/60

All: 95.008+/-15.567 χ^2/NDF: 160.2/114

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: 117.747+/-0.019 χ^2/NDF: 2749828.2/35

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

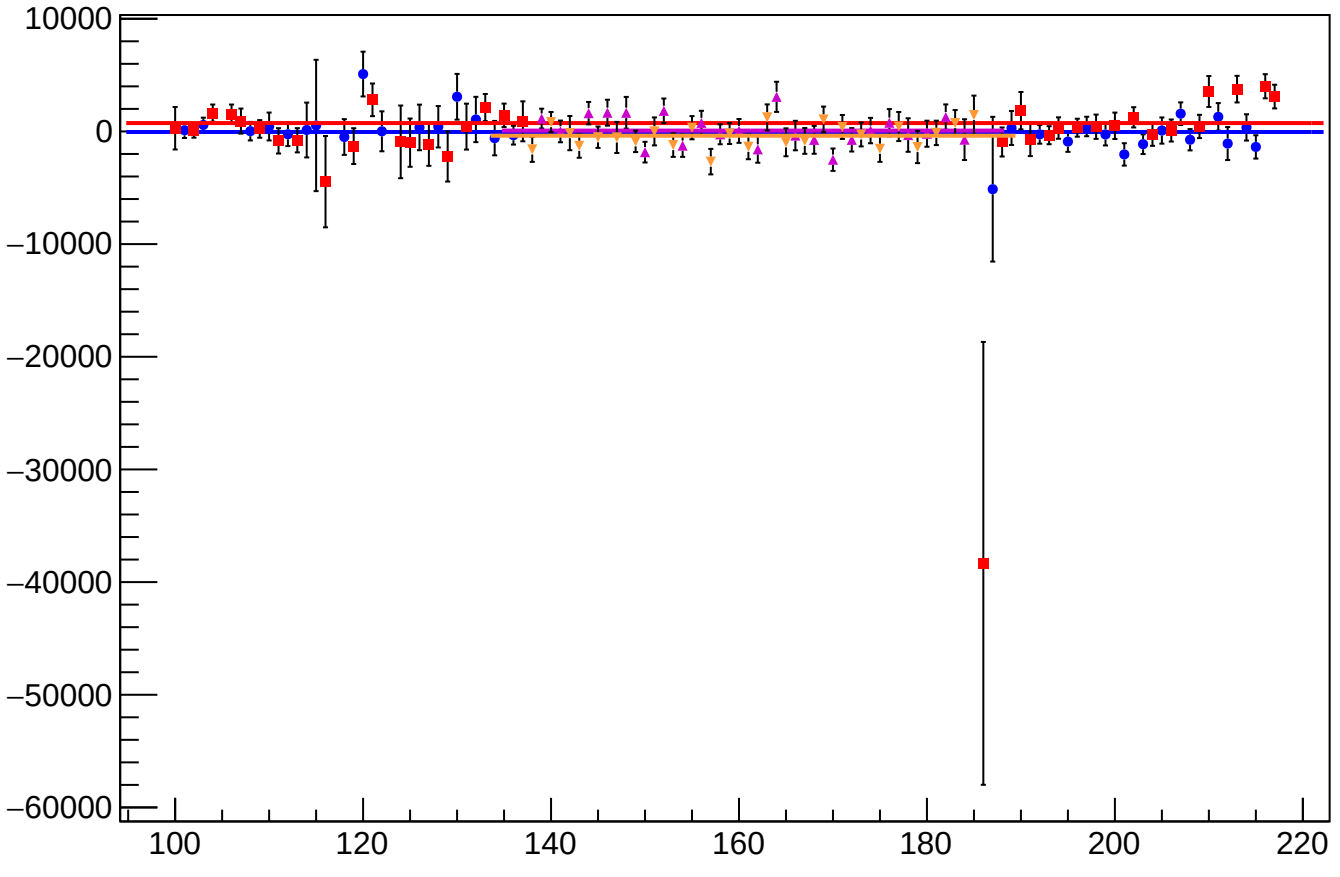
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.488+/-0.014 χ^2/NDF: 4442847.1/66

In: 135.076+/-0.016 χ^2/NDF:3467582.6/53

Out: 131.718+/-0.015 χ^2/NDF:4838074.6/60

All: 133.316+/-0.011 χ^2/NDF: 8328879.3/114



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: 741.374+/-188.092 χ^2/NDF: 55.0/35

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

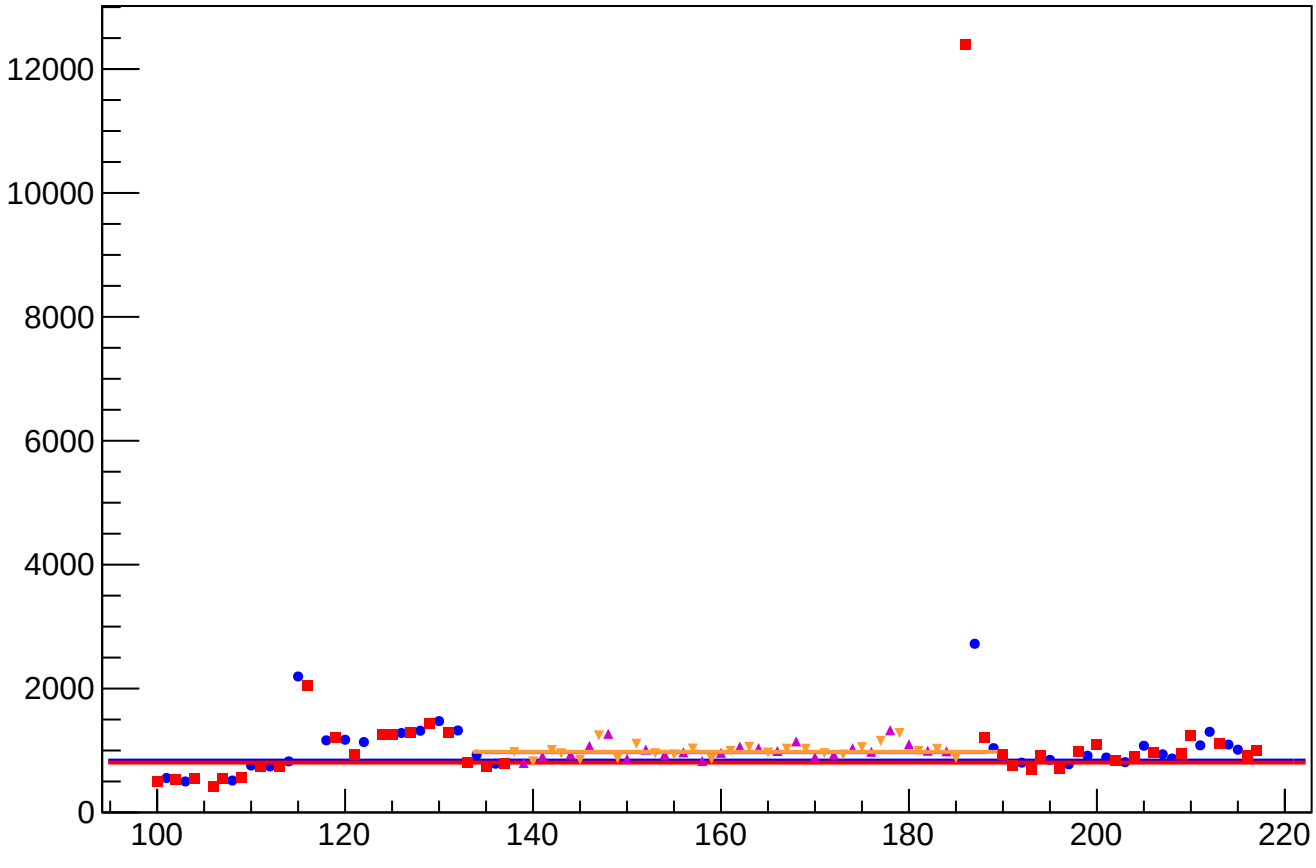
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 369.737+/-136.900 χ^2/NDF: 88.4/66

In: 4.141+/-150.705 χ^2/NDF:58.4/53

Out: 278.727+/-144.191 χ^2/NDF:88.4/60

All: 147.495+/-104.185 χ^2/NDF: 148.4/114



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: 804.939+/-0.133 χ^2/NDF: 3980160.9/35

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

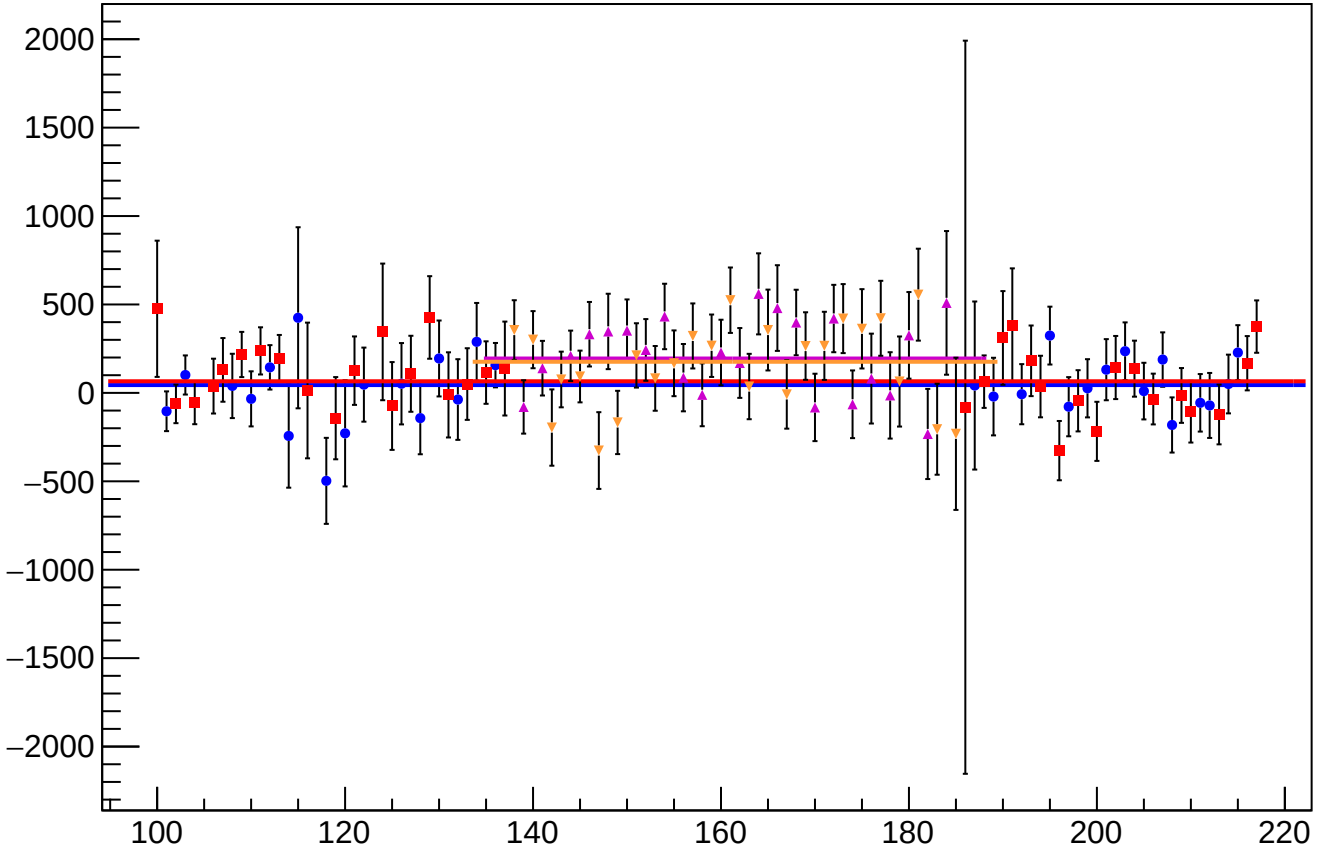
Right: 820.016+/-0.097 χ^2/NDF: 6876085.1/66

In: 895.850+/-0.107 χ^2/NDF:3771259.3/53

Out: 876.754+/-0.102 χ^2/NDF:5117068.1/60

All: 885.880+/-0.074 χ^2/NDF: 8905090.9/114

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: 65.717+/-29.382 χ^2/NDF: 31.3/35

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

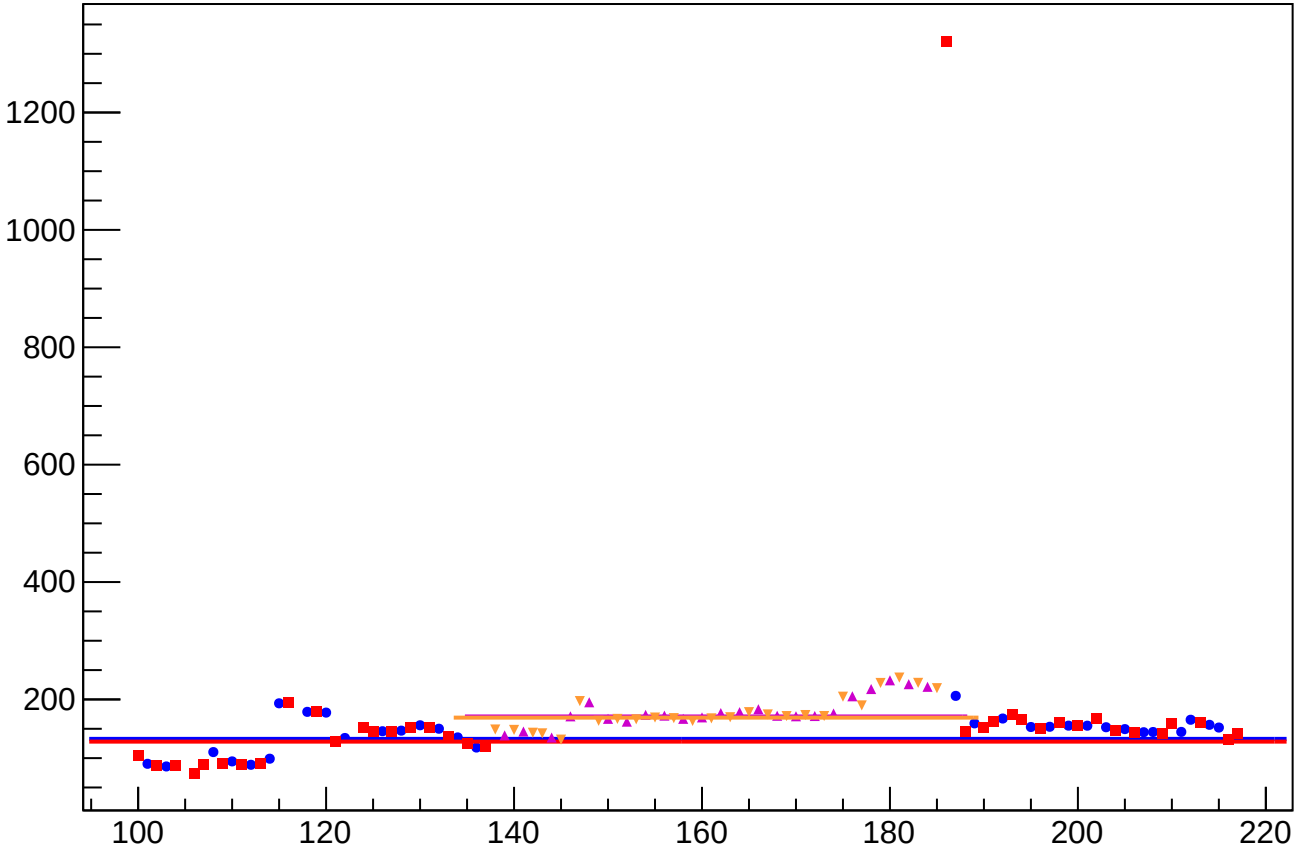
Right: 55.541+/-21.335 χ^2/NDF: 55.7/66

In: 99.924+/-24.605 χ^2/NDF:56.7/53

Out: 105.865+/-23.432 χ^2/NDF:67.1/60

All: 103.039+/-16.968 χ^2/NDF: 123.9/114

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: 128.128+/-0.021 χ^2/NDF: 3012440.7/35

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

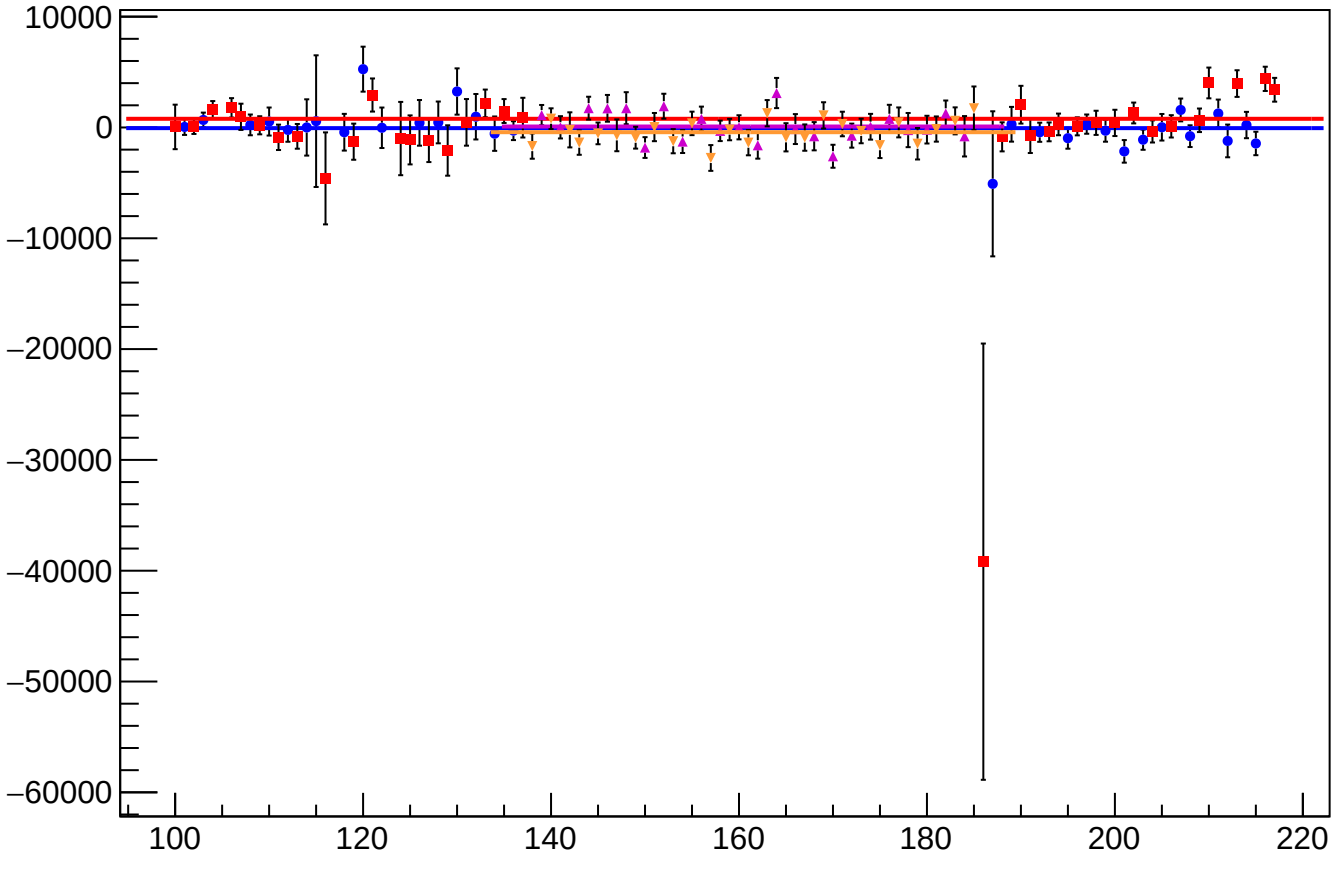
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 130.346+/-0.015 χ^2/NDF: 4842949.5/66

In: 147.001+/-0.017 χ^2/NDF:3609751.7/53

Out: 143.009+/-0.017 χ^2/NDF:5195754.0/60

All: 144.908+/-0.012 χ^2/NDF: 8833119.5/114



Right In: -59.962+/-206.318 χ^2/NDF: 25.7/30

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 782.963+/-193.899 χ^2/NDF: 60.6/35

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

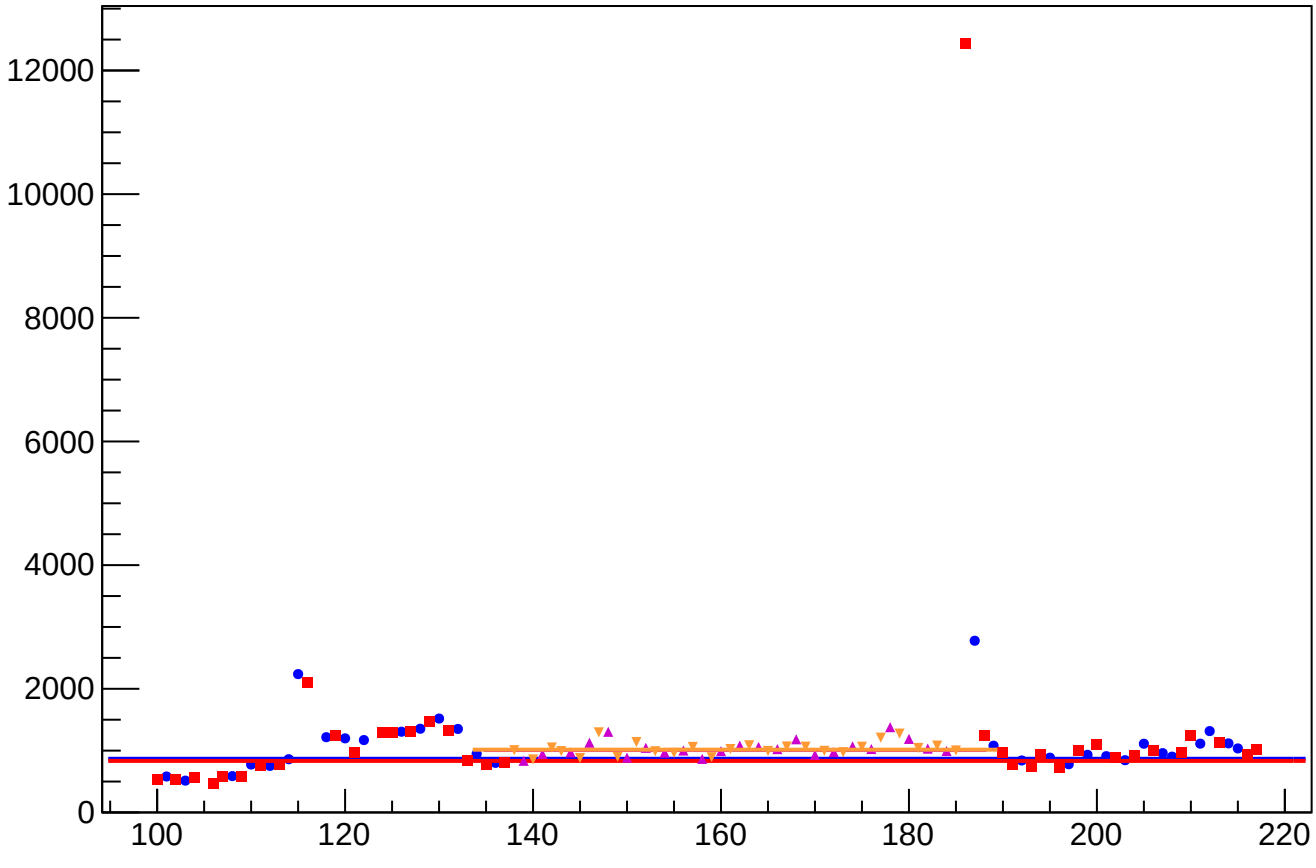
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 387.631+/-141.294 χ^2/NDF: 95.1/66

In: 2.826+/-155.939 χ^2/NDF:58.3/53

Out: 287.262+/-148.927 χ^2/NDF:94.9/60

All: 151.583+/-107.701 χ^2/NDF: 154.9/114



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: 833.634+/-0.137 χ^2/NDF: 3774725.7/35

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

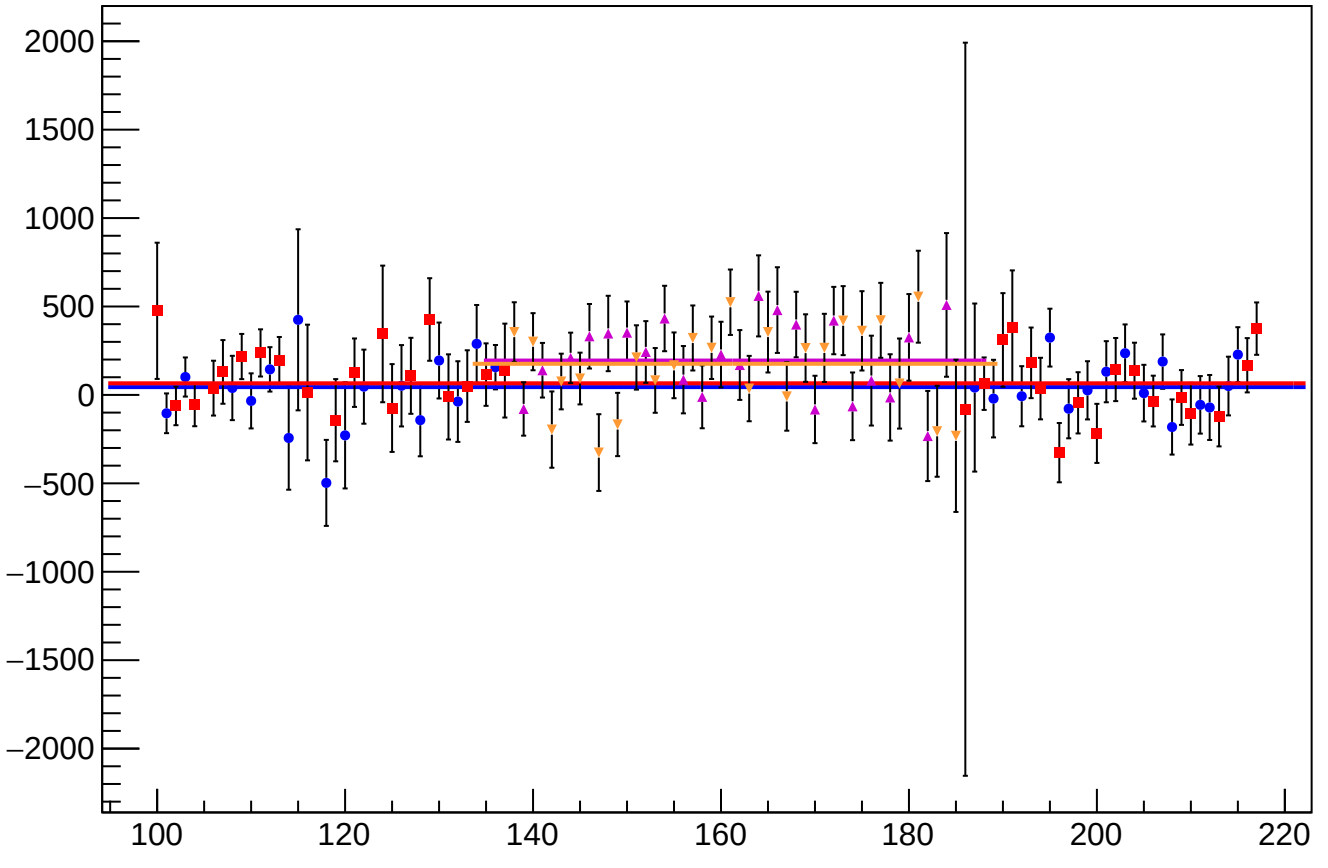
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 849.721+/-0.100 χ^2/NDF: 6493697.6/66

In: 928.702+/-0.110 χ^2/NDF:3593093.2/53

Out: 908.028+/-0.105 χ^2/NDF:4890617.2/60

All: 917.890+/-0.076 χ^2/NDF: 8502095.5/114



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: 65.716+/-29.382 χ^2/NDF: 31.3/35

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

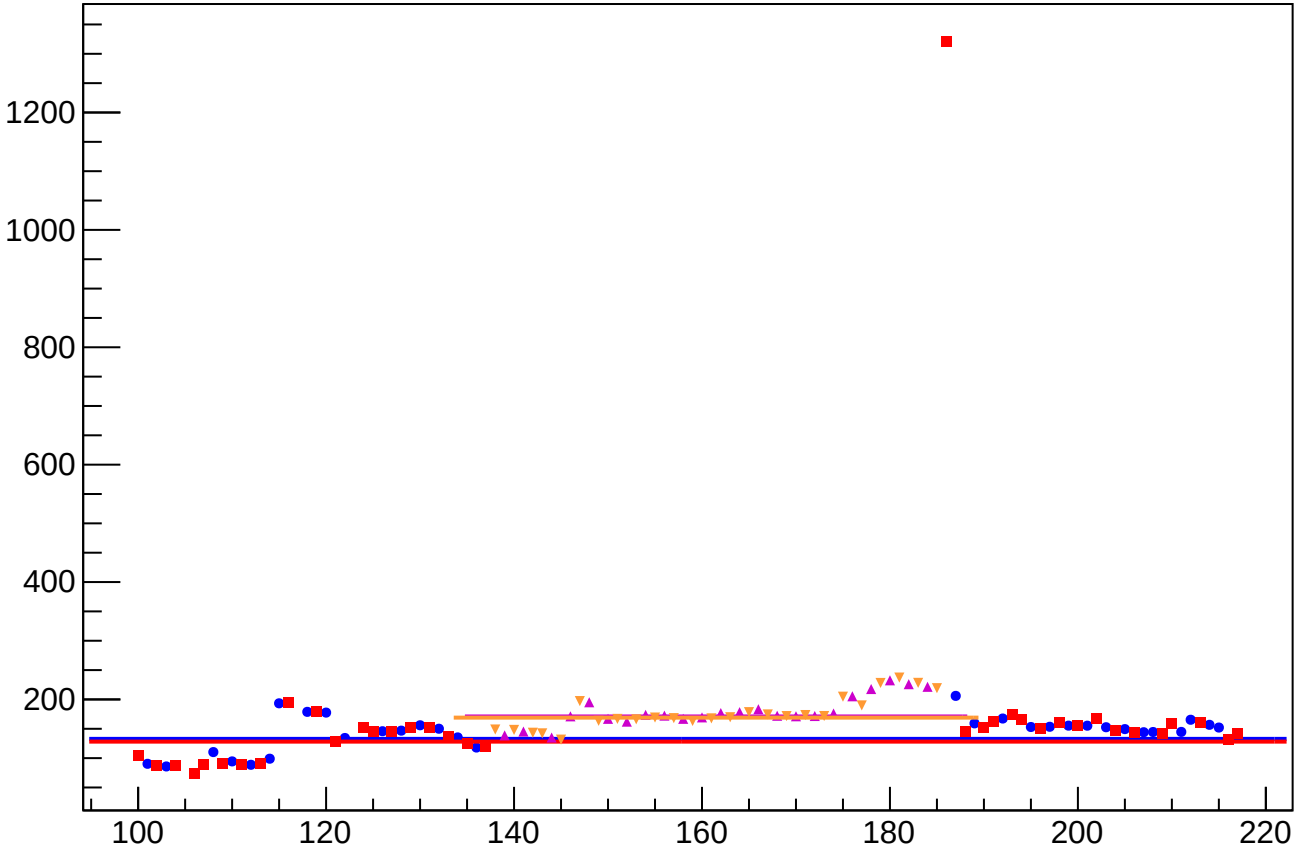
Right: 55.541+/-21.335 χ^2/NDF: 55.7/66

In: 99.924+/-24.605 χ^2/NDF:56.7/53

Out: 105.864+/-23.432 χ^2/NDF:67.1/60

All: 103.039+/-16.968 χ^2/NDF: 123.9/114

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: 128.128+/-0.021 χ^2/NDF: 3012441.3/35

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

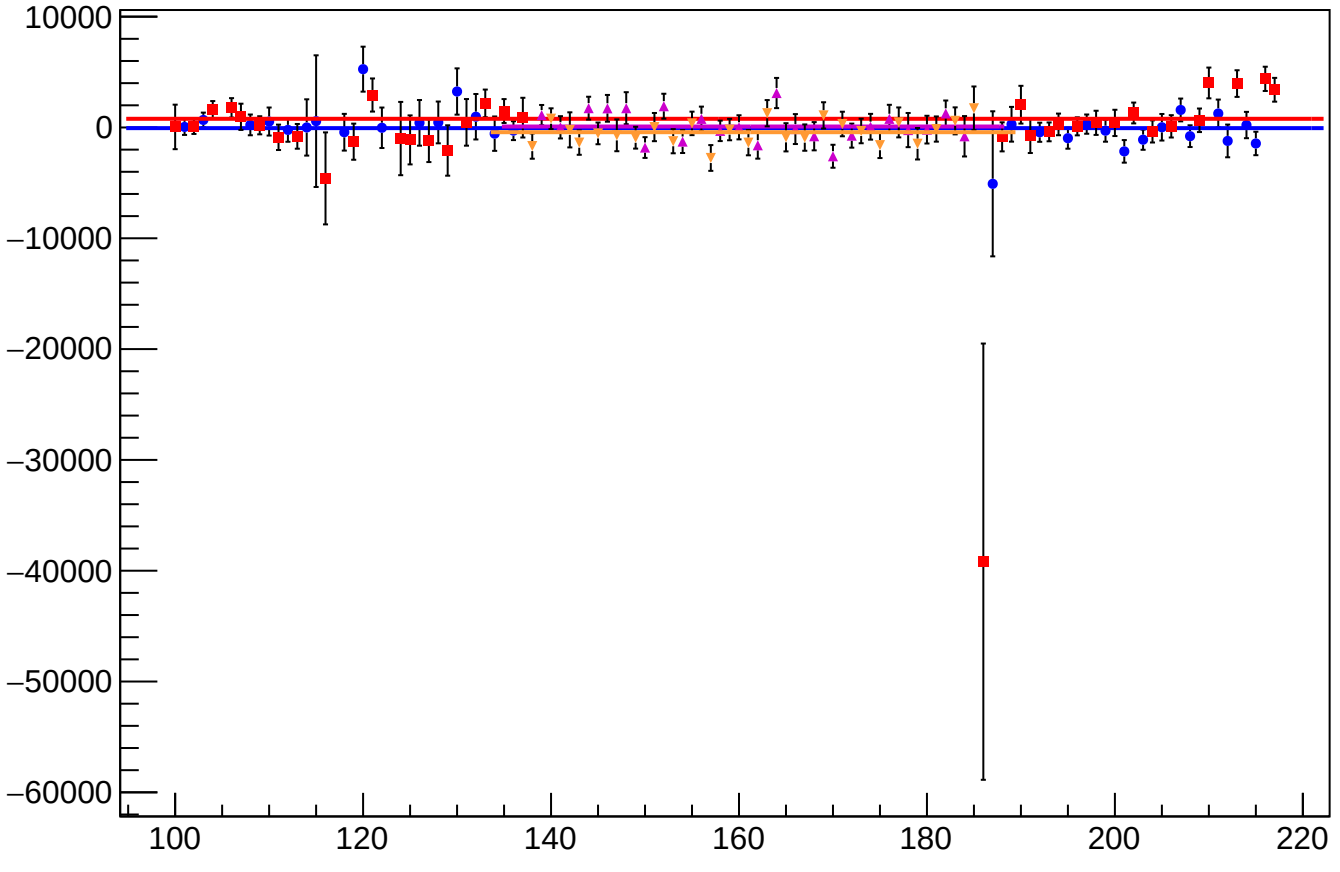
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 130.346+/-0.015 χ^2/NDF: 4842957.7/66

In: 147.001+/-0.017 χ^2/NDF:3609779.4/53

Out: 143.009+/-0.017 χ^2/NDF:5195767.0/60

All: 144.908+/-0.012 χ^2/NDF: 8833160.7/114



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: 782.964+/-193.899 χ^2/NDF: 60.6/35

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

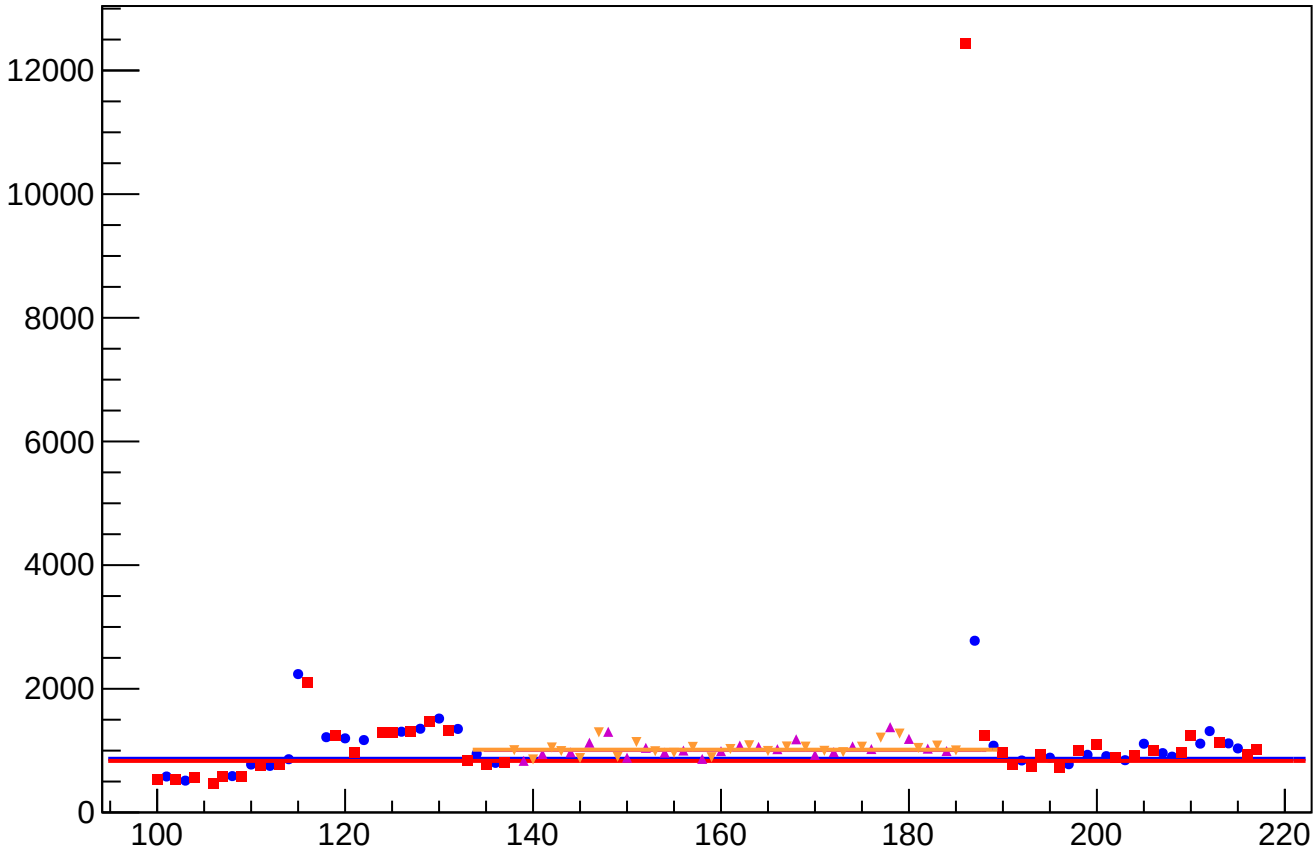
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 387.633+/-141.294 χ^2/NDF: 95.1/66

In: 2.827+/-155.939 χ^2/NDF:58.3/53

Out: 287.265+/-148.927 χ^2/NDF:94.9/60

All: 151.585+/-107.701 χ^2/NDF: 154.9/114



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: 833.634+/-0.137 χ^2/NDF: 3774727.7/35

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

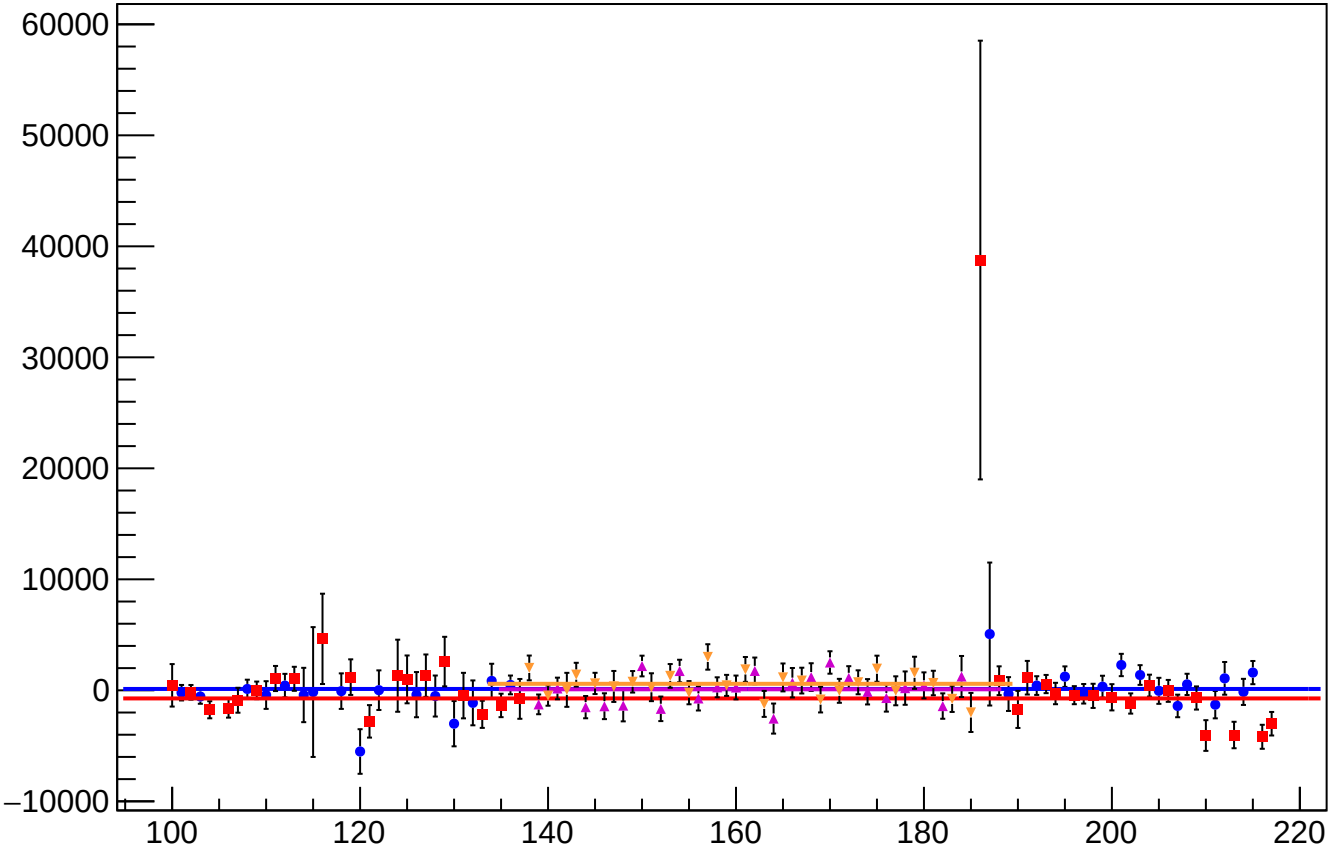
Right: 849.720+/-0.100 χ^2/NDF: 6493700.1/66

In: 928.702+/-0.110 χ^2/NDF:3593104.2/53

Out: 908.028+/-0.105 χ^2/NDF:4890631.1/60

All: 917.890+/-0.076 χ^2/NDF: 8502120.8/114

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: -730.157+/-190.374 χ^2/NDF: 61.9/35

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

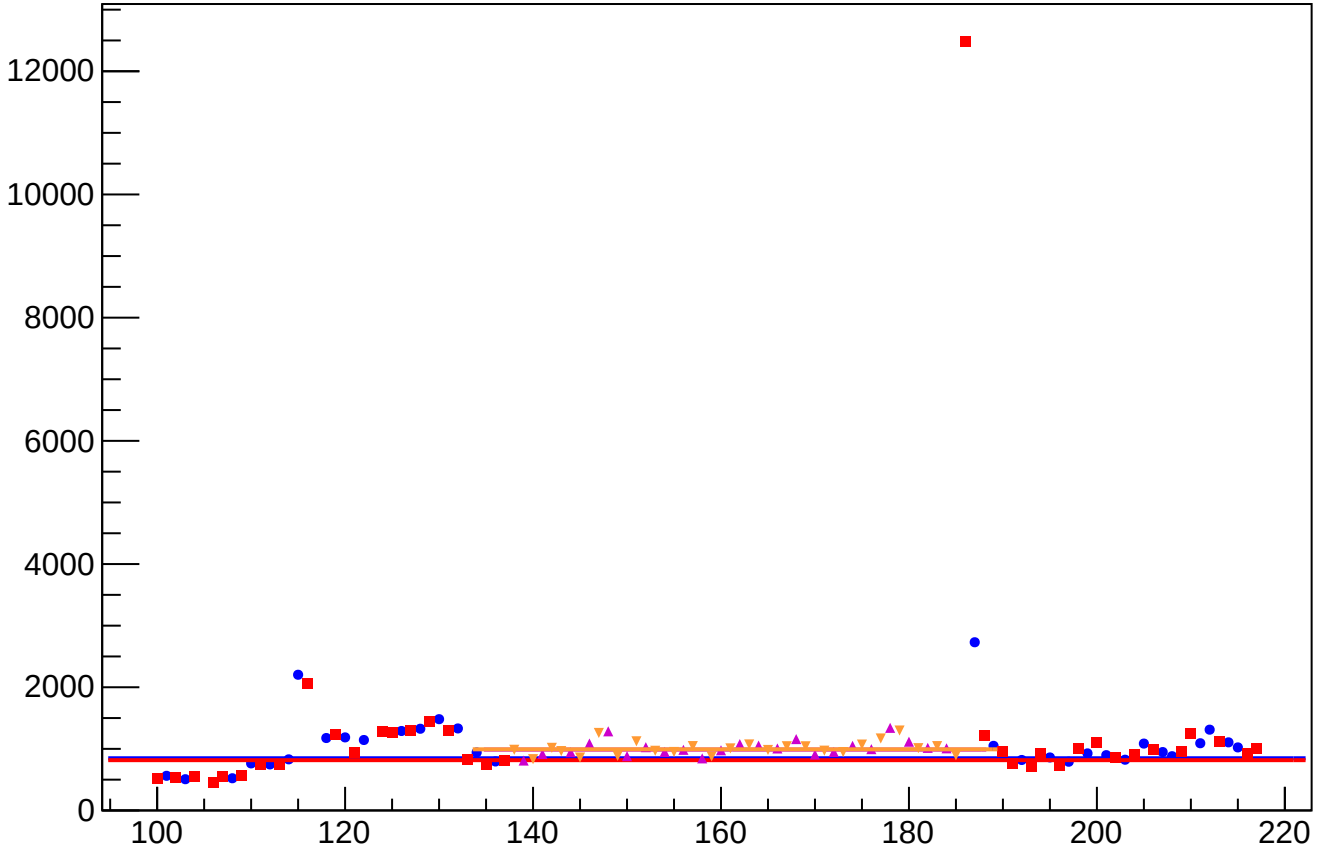
Right: -328.686+/-138.531 χ^2/NDF: 99.6/66

In: 110.088+/-152.618 χ^2/NDF:62.9/53

Out: -188.259+/-146.022 χ^2/NDF:102.3/60

All: -45.672+/-105.508 χ^2/NDF: 167.2/114

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: 816.433+/-0.135 χ^2/NDF: 3893246.5/35

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

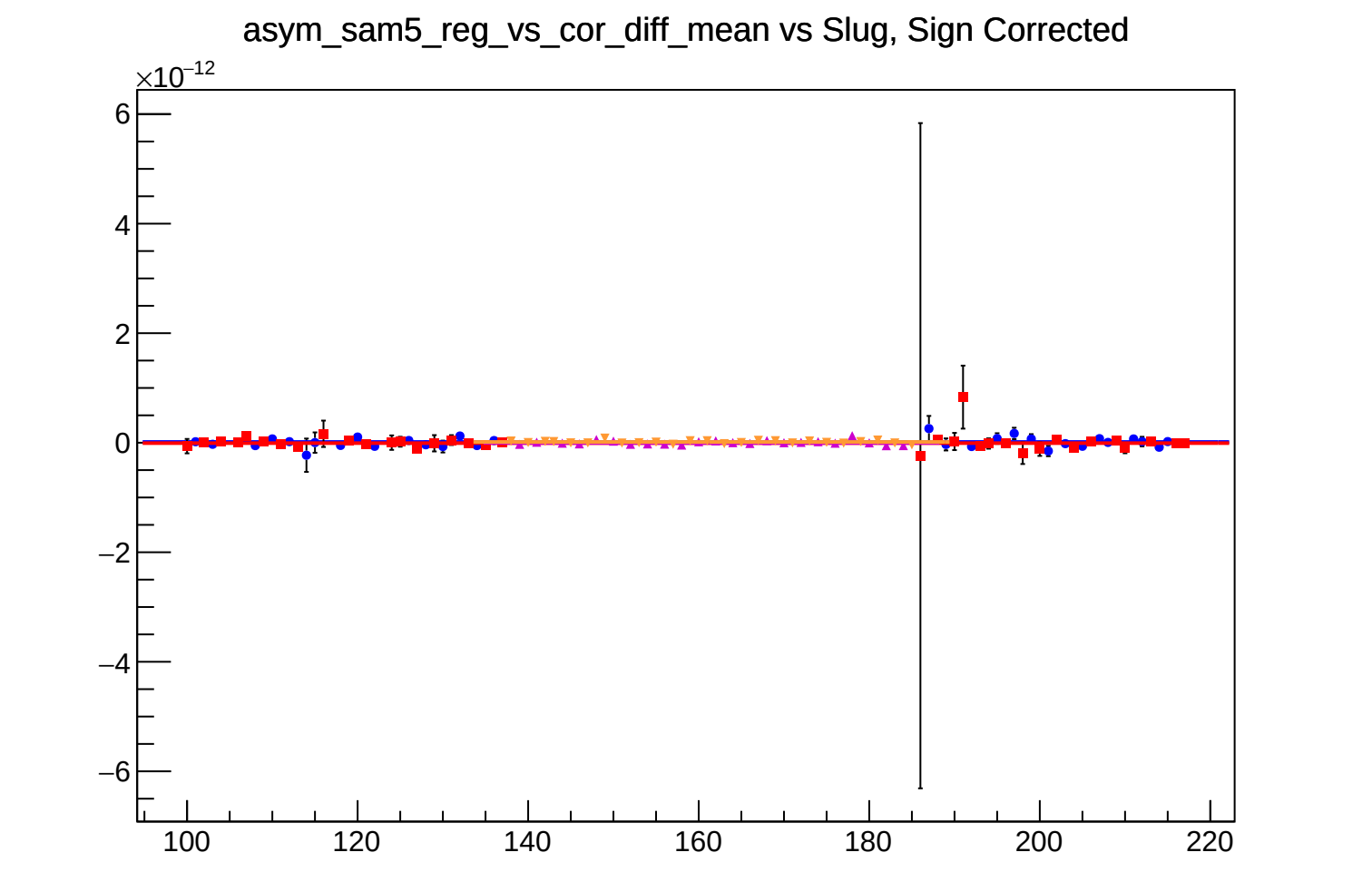
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 830.998+/-0.098 χ^2/NDF: 6750146.1/66

In: 907.614+/-0.108 χ^2/NDF:3734332.0/53

Out: 888.935+/-0.103 χ^2/NDF:5022774.9/60

All: 897.862+/-0.075 χ^2/NDF: 8772748.9/114



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: 24.9/35

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

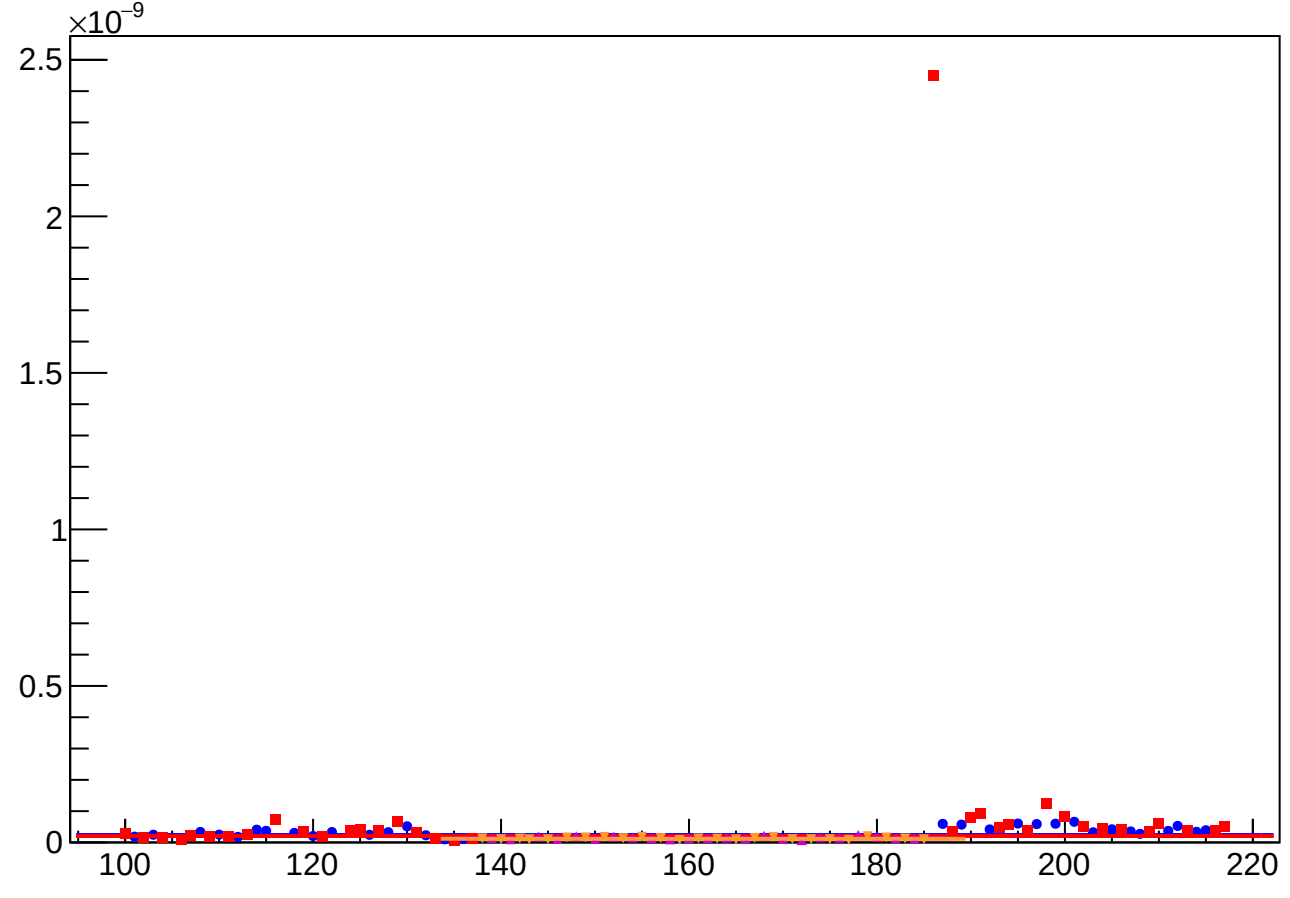
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.3/66

In: 0.000+/-0.000 χ^2/NDF:64.0/53

Out: 0.000+/-0.000 χ^2/NDF:53.0/60

All: 0.000+/-0.000 χ^2/NDF: 118.3/114



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: 7047029.0/35

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

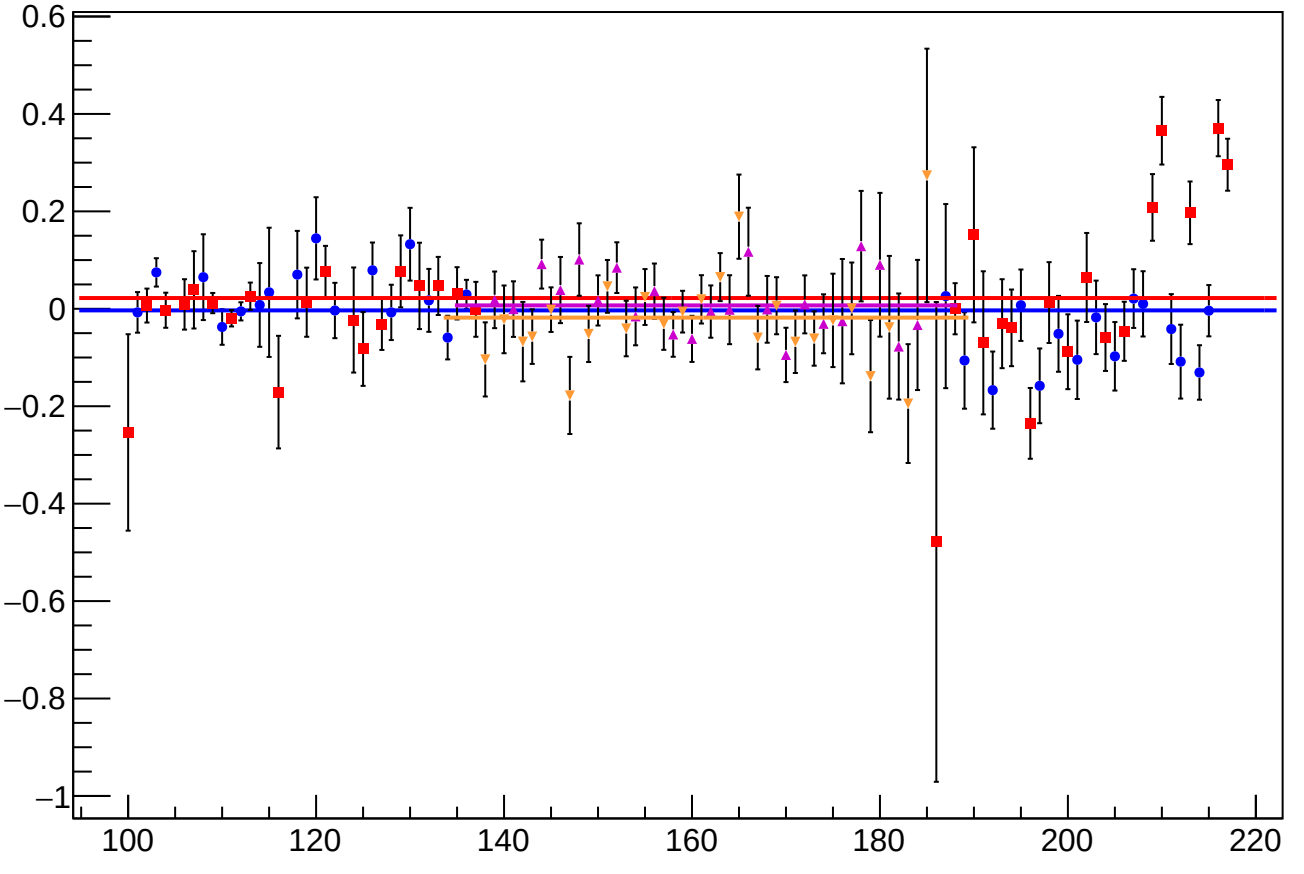
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11446174.1/66

In: 0.000+/-0.000 χ^2/NDF:6988109.2/53

Out: 0.000+/-0.000 χ^2/NDF:9558207.0/60

All: 0.000+/-0.000 χ^2/NDF: 16812444.5/114



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: 0.022+/-0.008 χ^2/NDF: 139.4/35

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

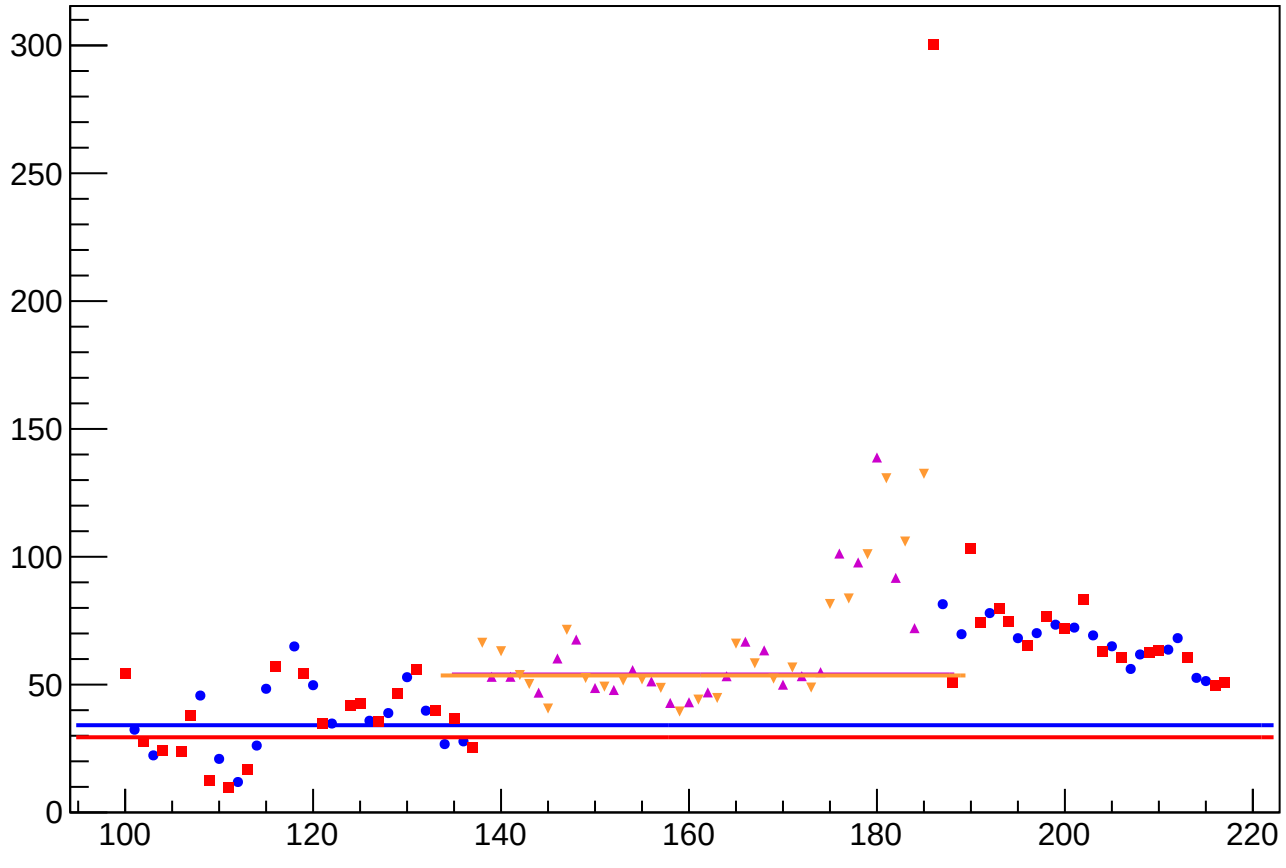
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.011+/-0.006 χ^2/NDF: 185.3/66

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.010+/-0.007 χ^2/NDF:170.8/60

All: 0.006+/-0.005 χ^2/NDF: 232.5/114



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: 29.408+/-0.006 χ^2/NDF: 13627354.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

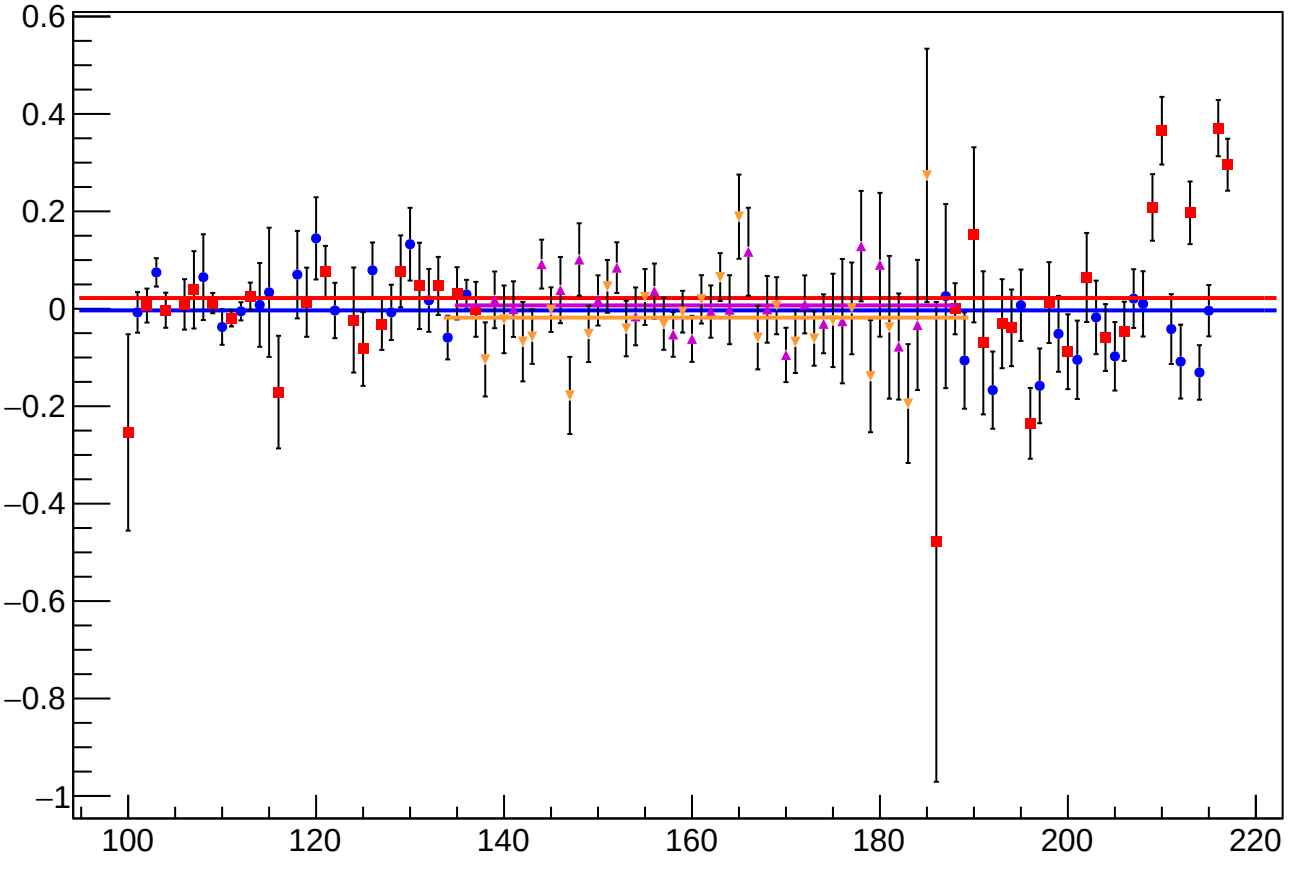
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 31.493+/-0.004 χ^2/NDF: 23468801.8/66

In: 40.614+/-0.005 χ^2/NDF:14630624.0/53

Out: 36.434+/-0.005 χ^2/NDF:21329574.9/60

All: 38.337+/-0.004 χ^2/NDF: 36294449.3/114



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: 0.022+/-0.008 χ^2/NDF: 139.4/35

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

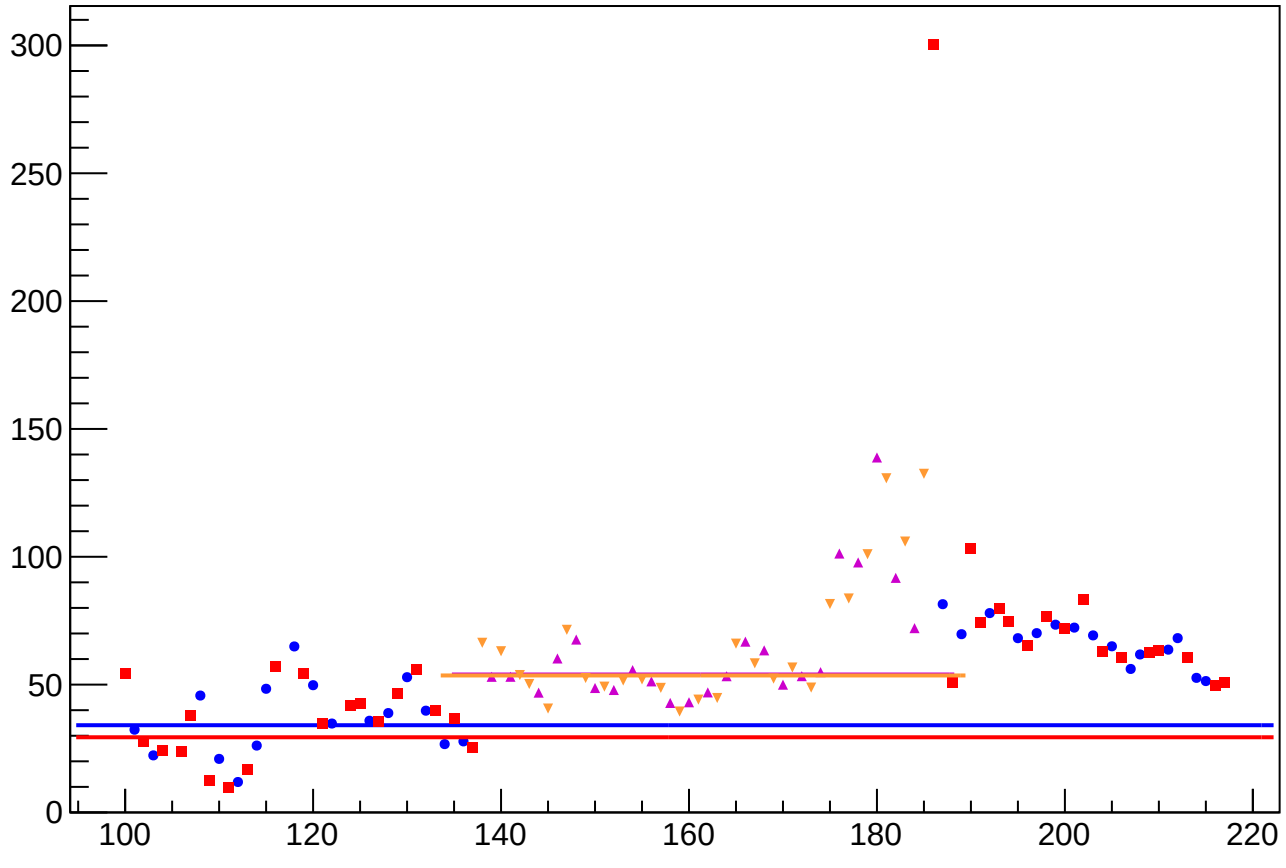
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.011+/-0.006 χ^2/NDF: 185.3/66

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.010+/-0.007 χ^2/NDF:170.8/60

All: 0.006+/-0.005 χ^2/NDF: 232.5/114



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: 29.408+/-0.006 χ^2/NDF: 13627354.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

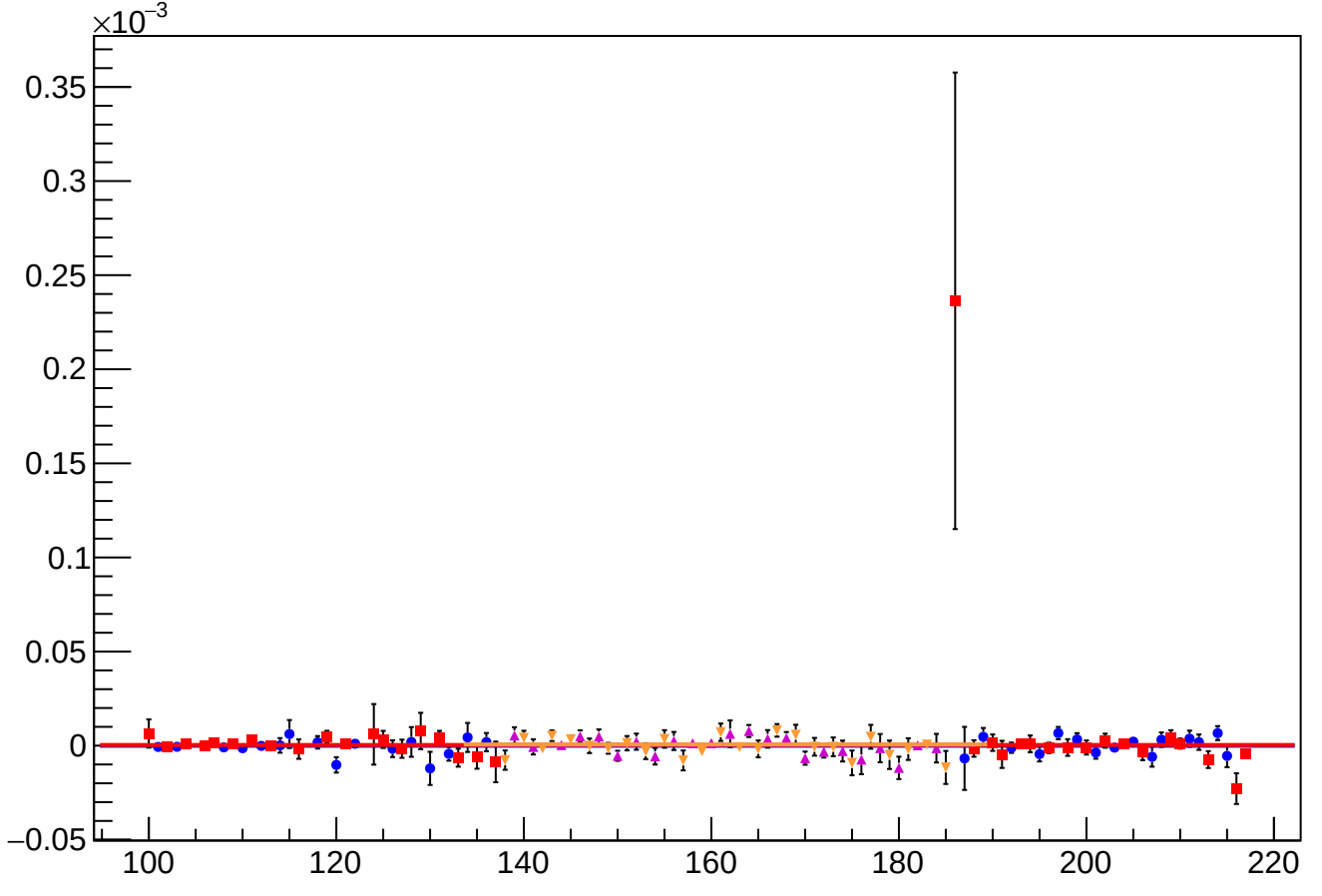
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 31.493+/-0.004 χ^2/NDF: 23468801.8/66

In: 40.614+/-0.005 χ^2/NDF:14630624.0/53

Out: 36.434+/-0.005 χ^2/NDF:21329574.9/60

All: 38.337+/-0.004 χ^2/NDF: 36294449.3/114



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: 36.4/35

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

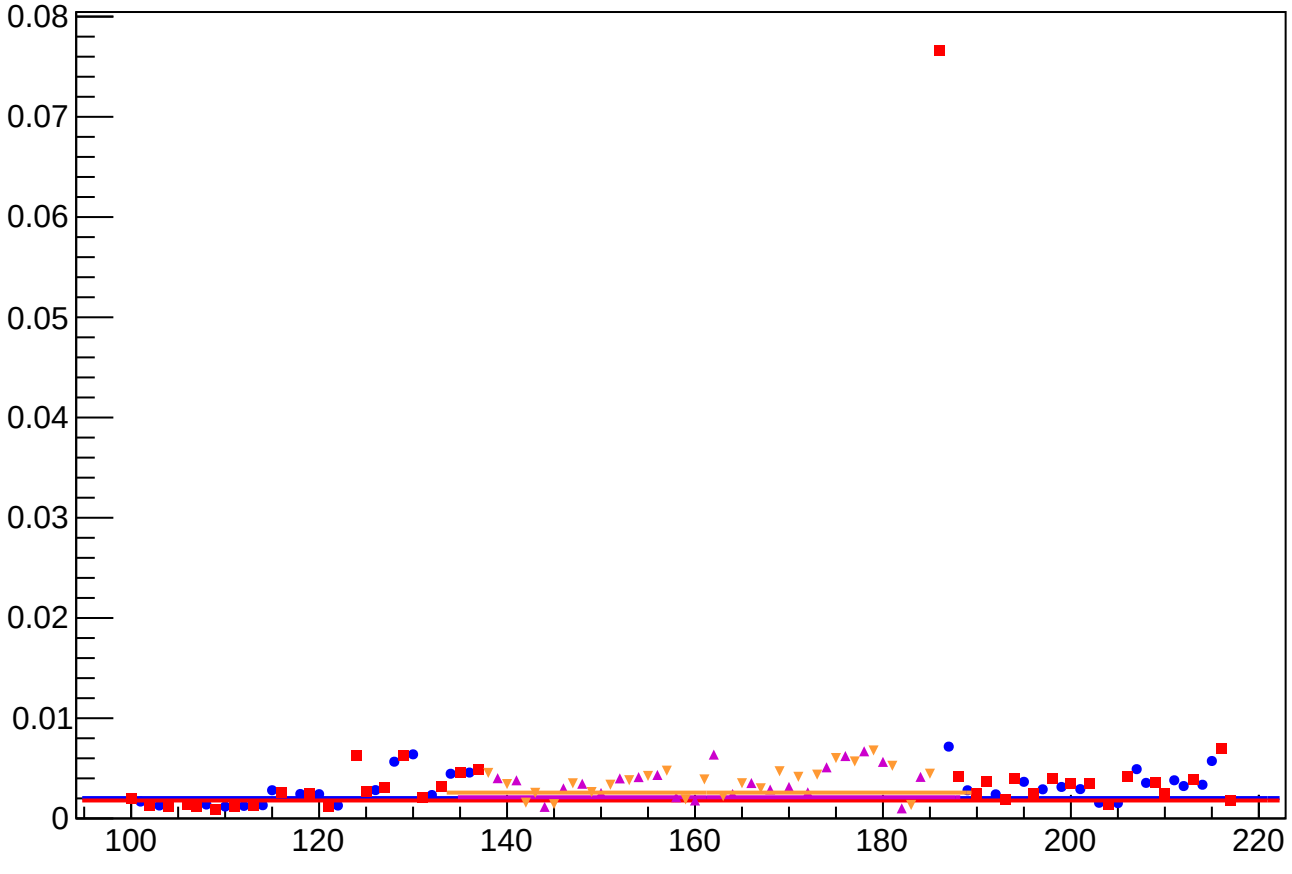
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 66.6/66

In: 0.000+/-0.000 χ^2/NDF:61.0/53

Out: 0.000+/-0.000 χ^2/NDF:67.5/60

All: 0.000+/-0.000 χ^2/NDF: 128.8/114



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: 9848155.9/35

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

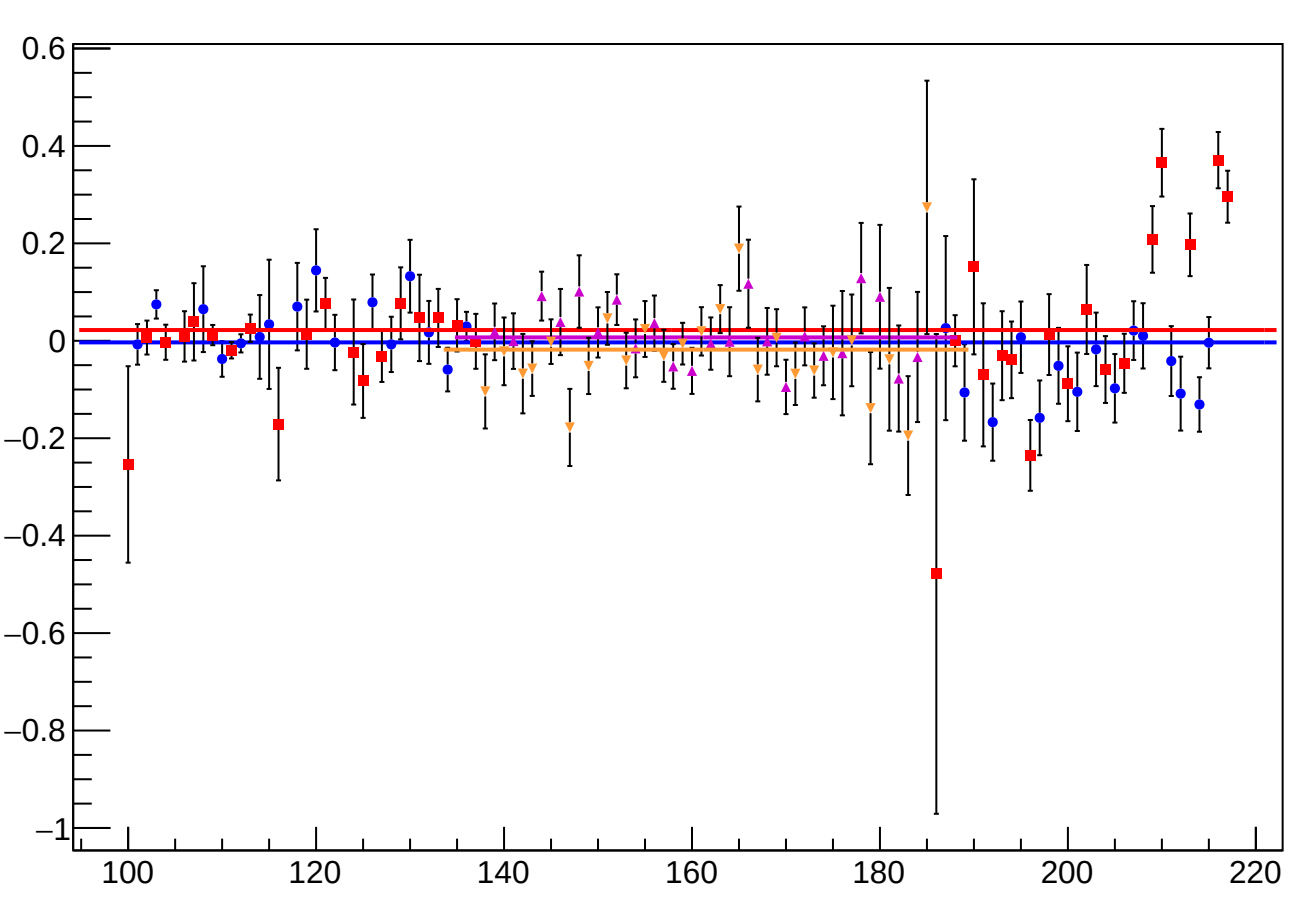
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 17447724.4/66

In: 0.002+/-0.000 χ^2/NDF:16880572.2/53

Out: 0.002+/-0.000 χ^2/NDF:18825125.2/60

All: 0.002+/-0.000 χ^2/NDF: 35707530.9/114



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: 0.022+/-0.008 χ^2/NDF: 139.4/35

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

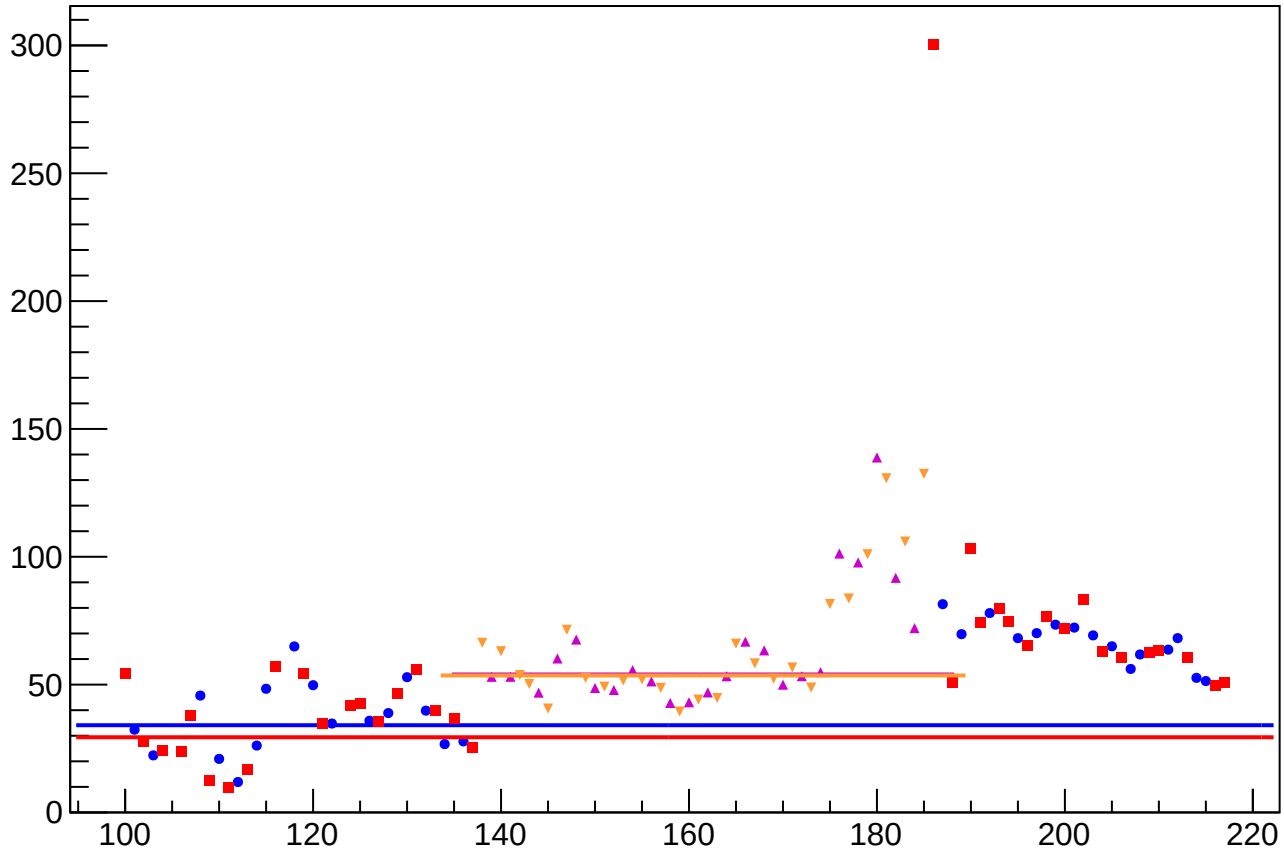
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.011+/-0.006 χ^2/NDF: 185.3/66

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.010+/-0.007 χ^2/NDF:170.8/60

All: 0.006+/-0.005 χ^2/NDF: 232.5/114



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: 29.407+/-0.006 χ^2/NDF: 13627559.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

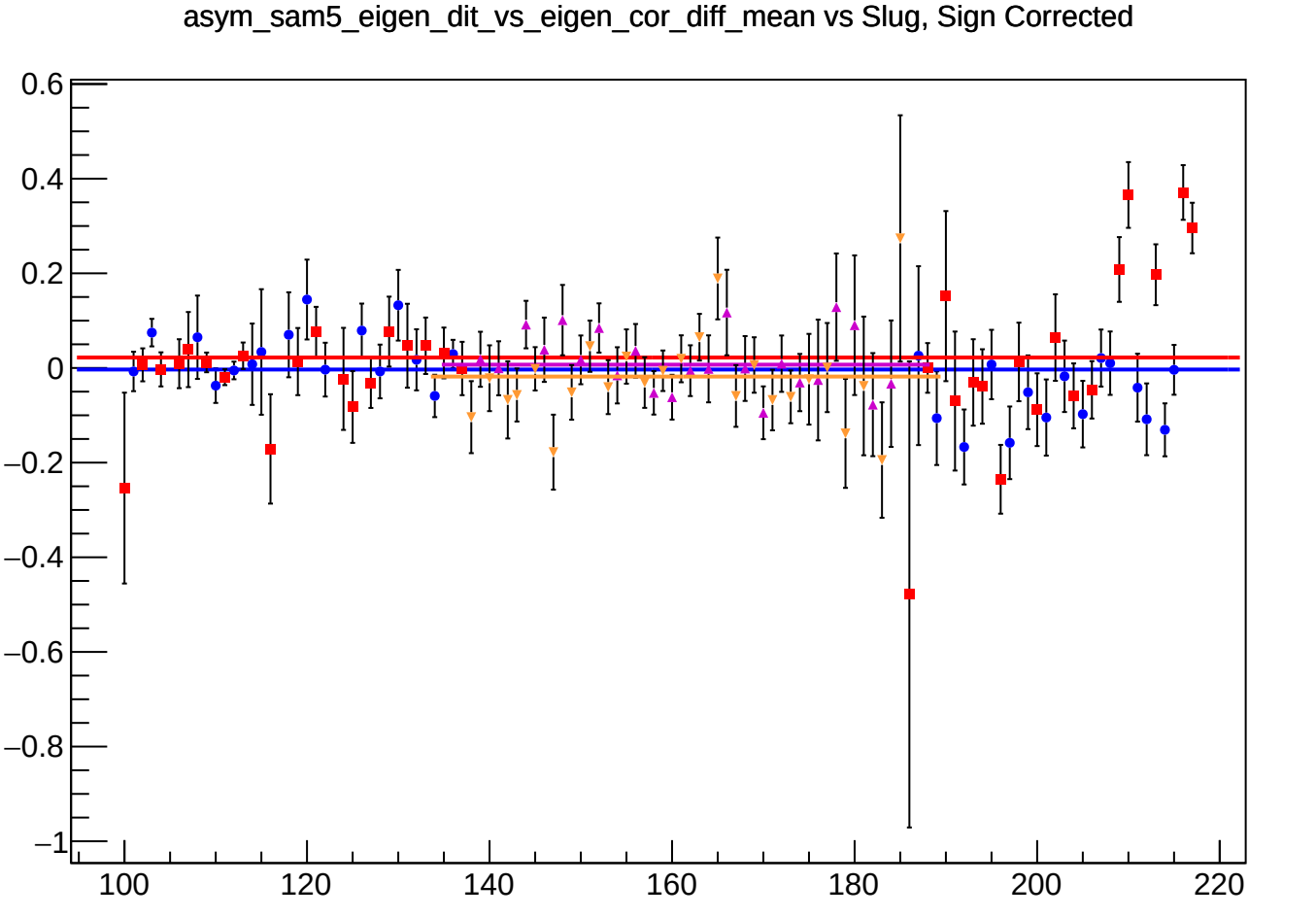
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 31.492+/-0.004 χ^2/NDF: 23469176.8/66

In: 40.614+/-0.005 χ^2/NDF:14631135.0/53

Out: 36.433+/-0.005 χ^2/NDF:21330271.4/60

All: 38.337+/-0.004 χ^2/NDF: 36295684.5/114



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: 0.022+/-0.008 χ^2/NDF: 139.4/35

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

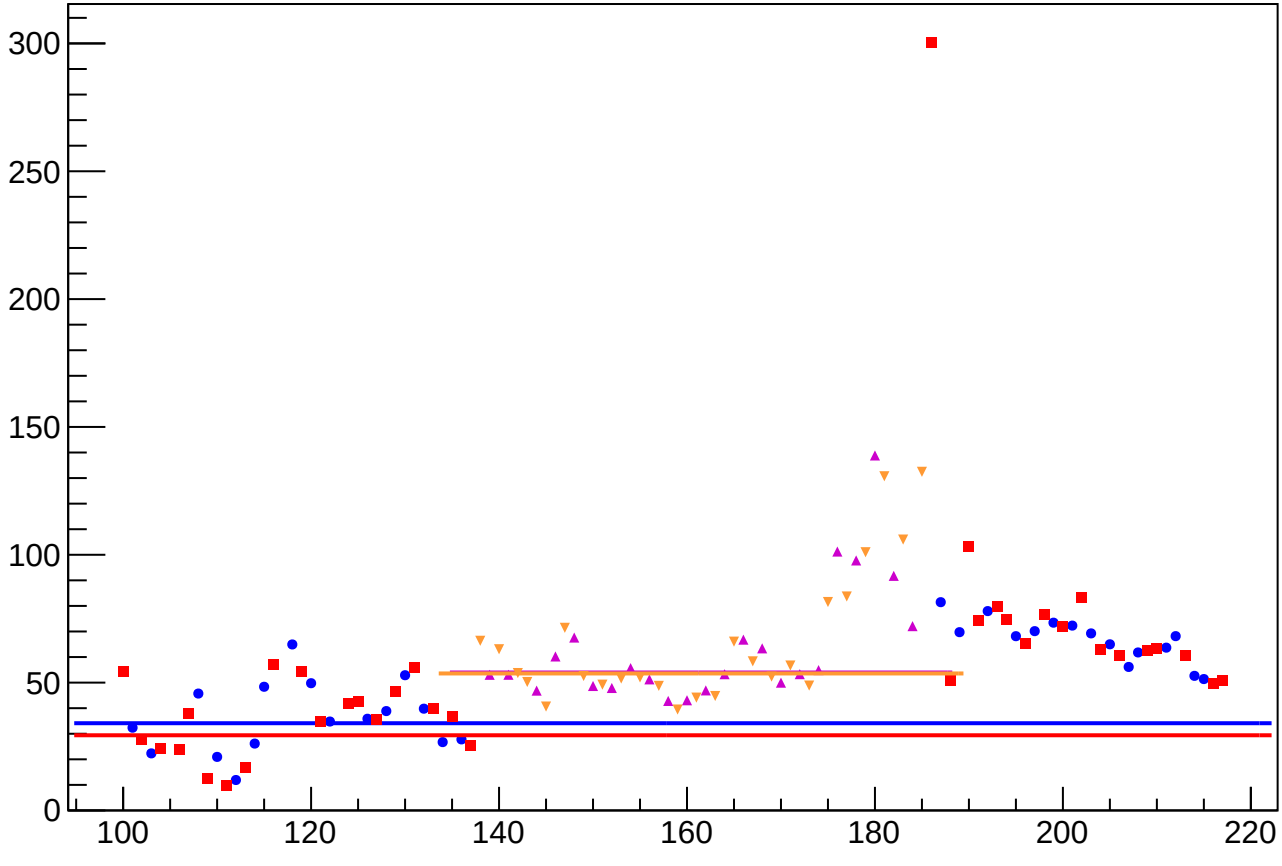
Right: 0.011+/-0.006 χ^2/NDF: 185.3/66

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.010+/-0.007 χ^2/NDF:170.8/60

All: 0.006+/-0.005 χ^2/NDF: 232.5/114

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 29.407+/-0.006 χ^2/NDF: 13627559.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

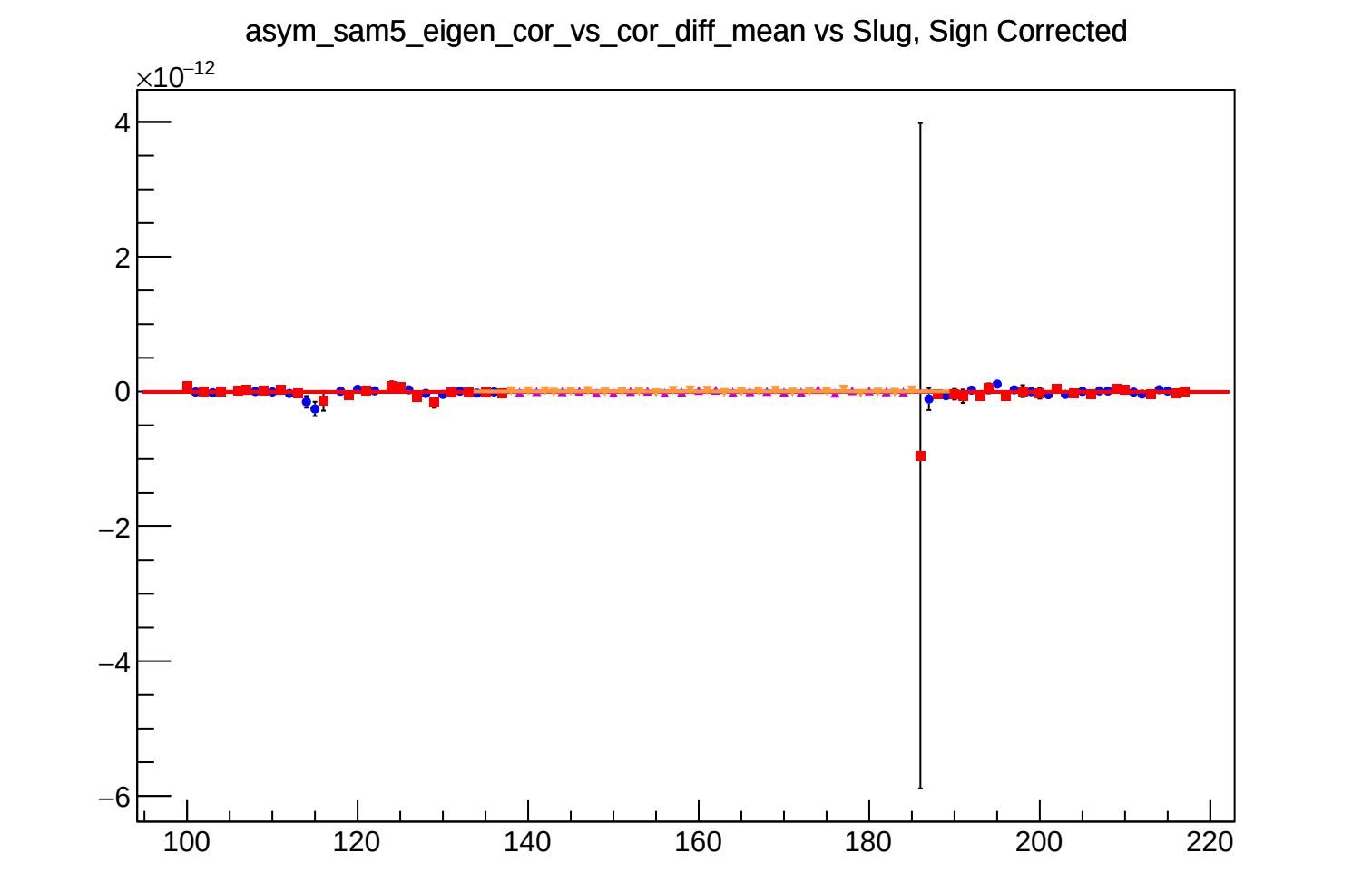
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 31.492+/-0.004 χ^2/NDF: 23469176.8/66

In: 40.614+/-0.005 χ^2/NDF:14631135.0/53

Out: 36.433+/-0.005 χ^2/NDF:21330271.4/60

All: 38.337+/-0.004 χ^2/NDF: 36295684.5/114



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: 40.6/35

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

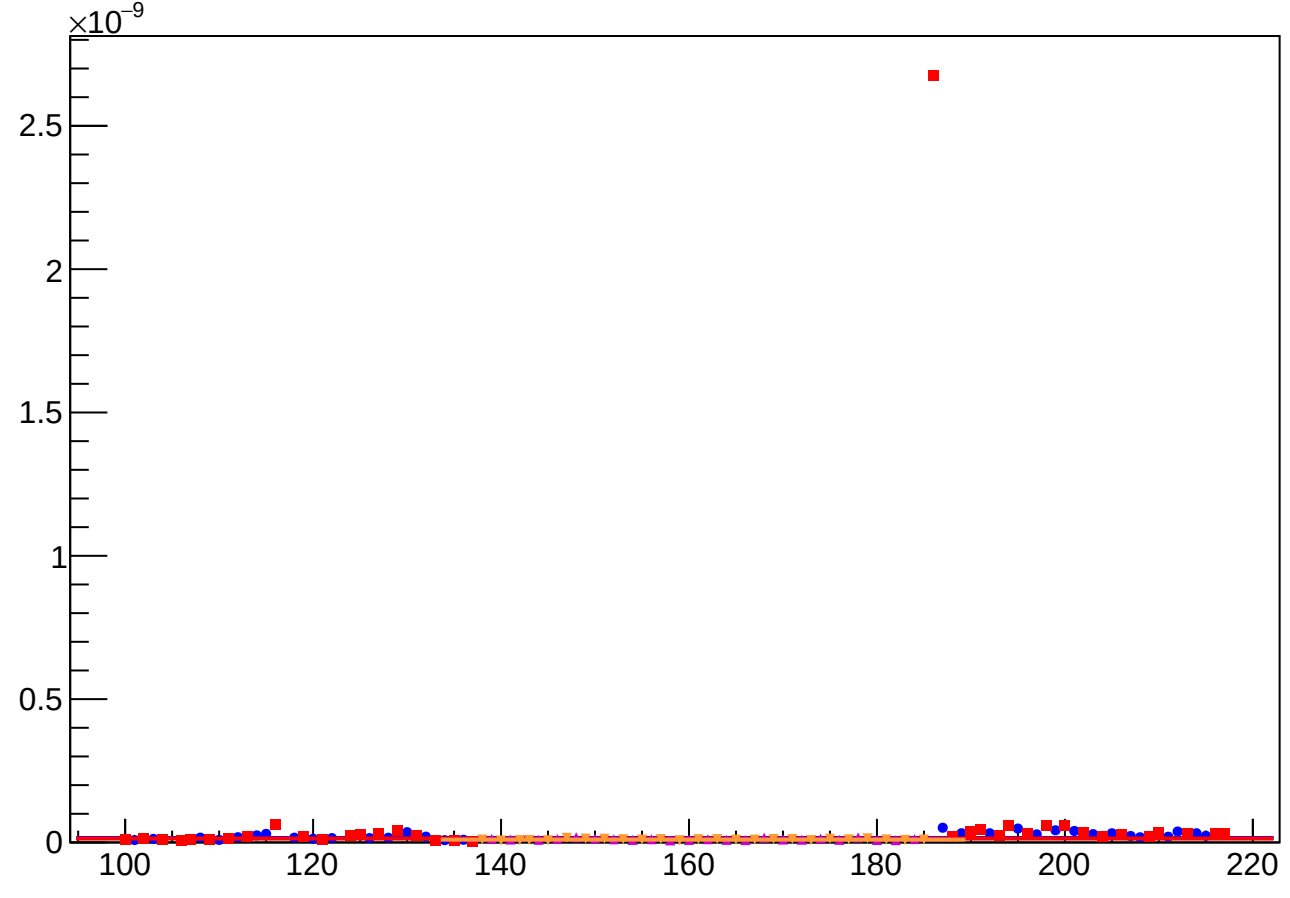
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 64.5/66

In: -0.000+/-0.000 χ^2/NDF:42.8/53

Out: -0.000+/-0.000 χ^2/NDF:69.7/60

All: -0.000+/-0.000 χ^2/NDF: 112.7/114



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: 9761087.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

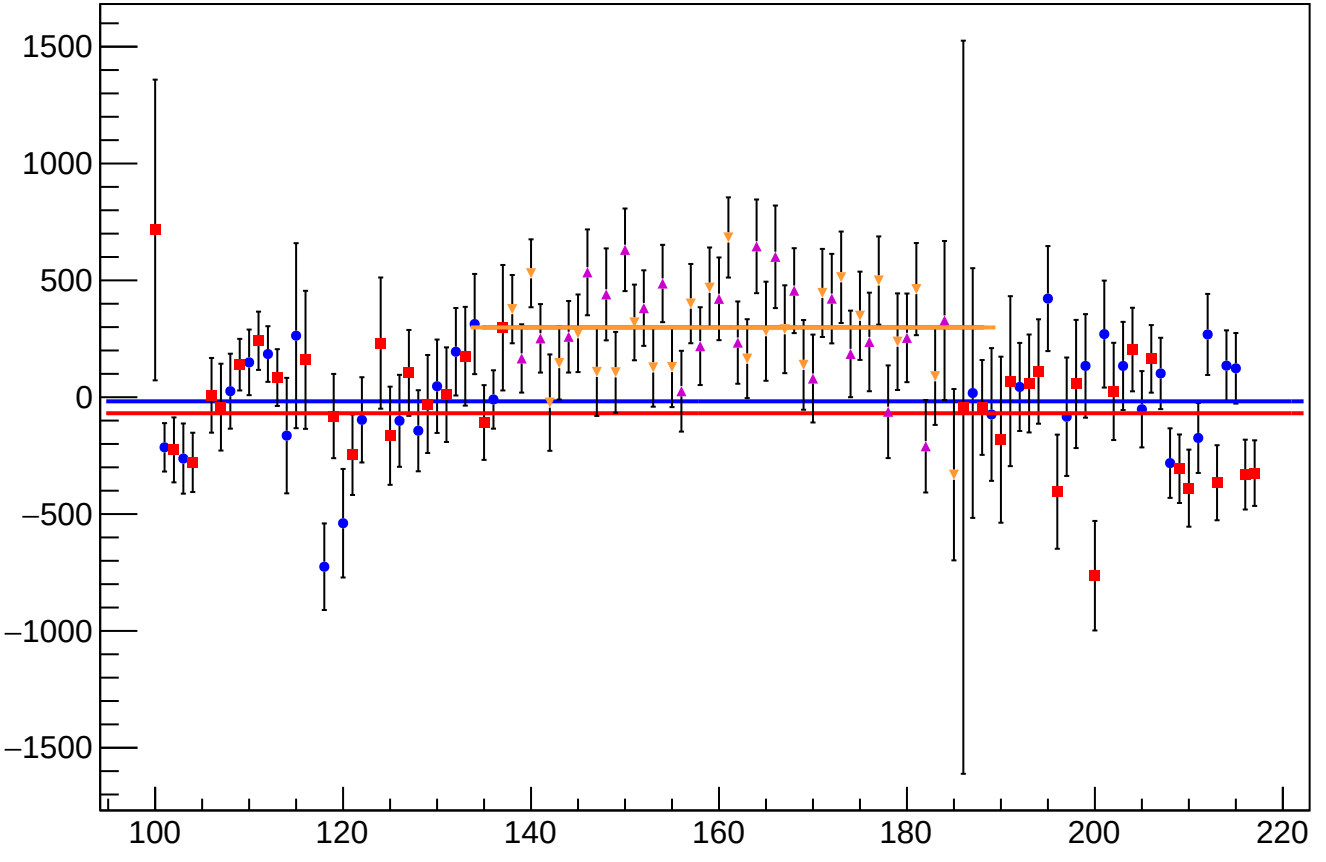
Right: 0.000+/-0.000 χ^2/NDF: 15907364.2/66

In: 0.000+/-0.000 χ^2/NDF:8910068.9/53

Out: 0.000+/-0.000 χ^2/NDF:11919743.6/60

All: 0.000+/-0.000 χ^2/NDF: 20909796.8/114

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: -68.556+/-29.973 χ^2/NDF: 57.9/35

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

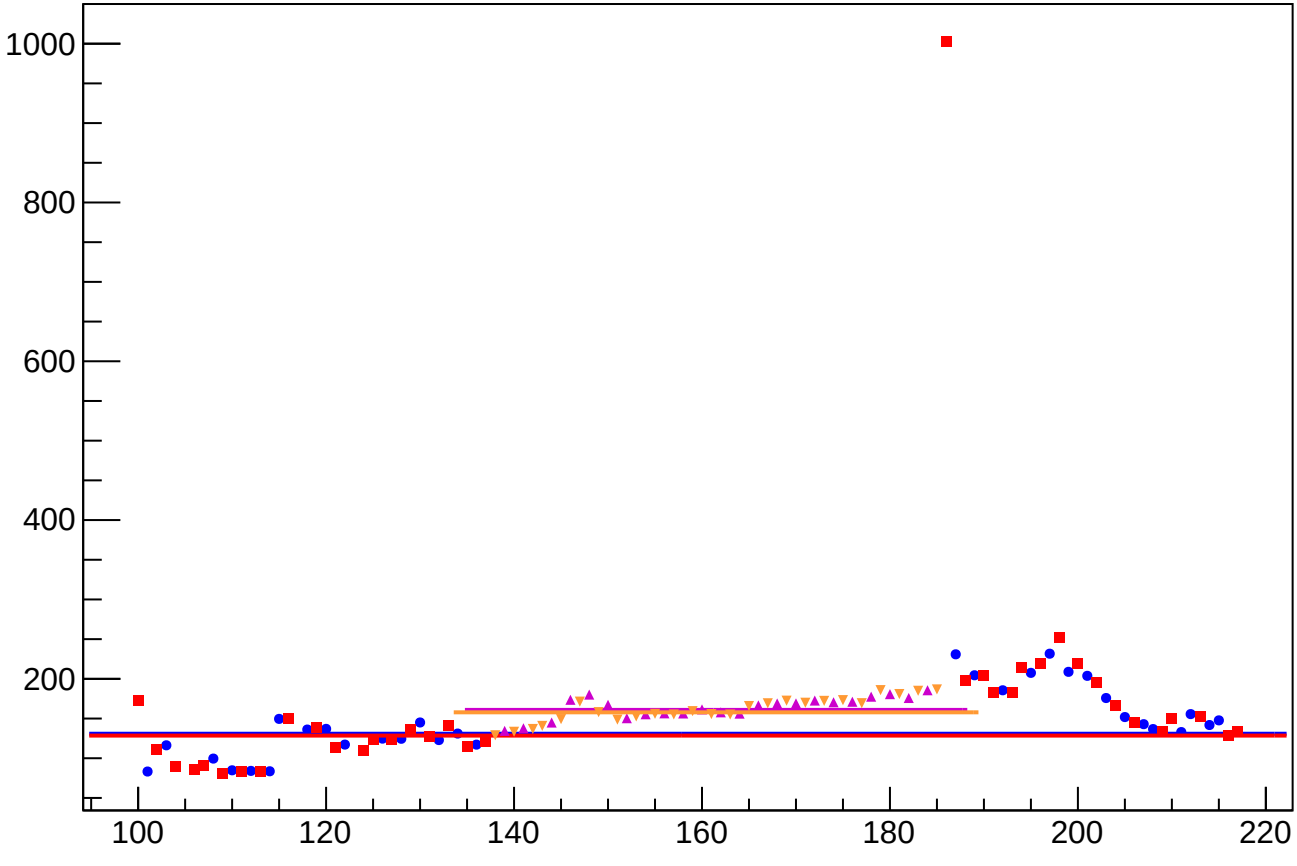
Right: -44.009+/-21.576 χ^2/NDF: 111.4/66

In: 110.282+/-23.990 χ^2/NDF:123.4/53

Out: 81.473+/-23.048 χ^2/NDF:145.2/60

All: 95.301+/-16.620 χ^2/NDF: 269.4/114

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: 128.534+/-0.021 χ^2/NDF: 4249622.3/35

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

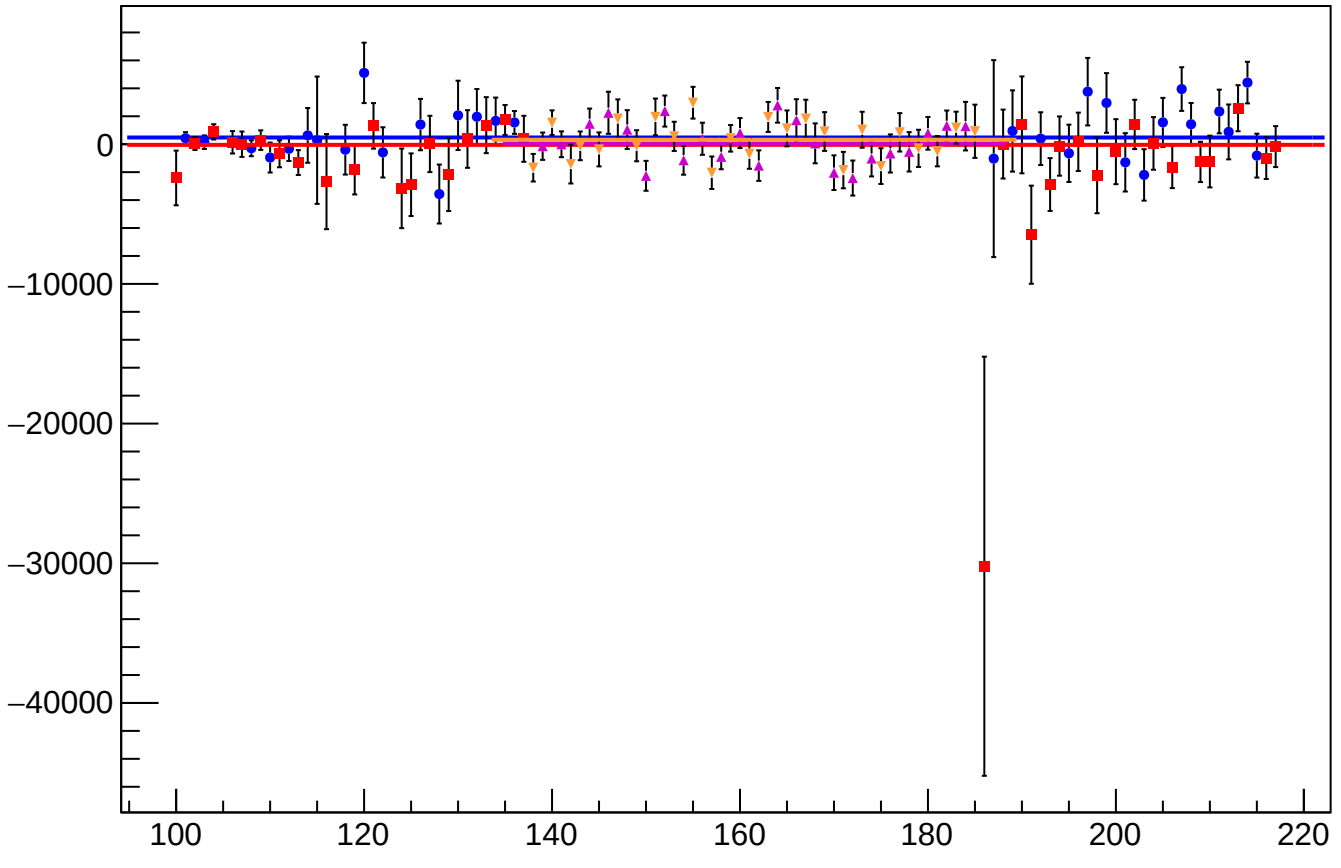
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.653+/-0.015 χ^2/NDF: 7044191.9/66

In: 142.993+/-0.017 χ^2/NDF:3811376.6/53

Out: 140.511+/-0.016 χ^2/NDF:5408072.9/60

All: 141.702+/-0.012 χ^2/NDF: 9230589.5/114



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: -45.431+/-208.371 χ^2/NDF: 32.7/35

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

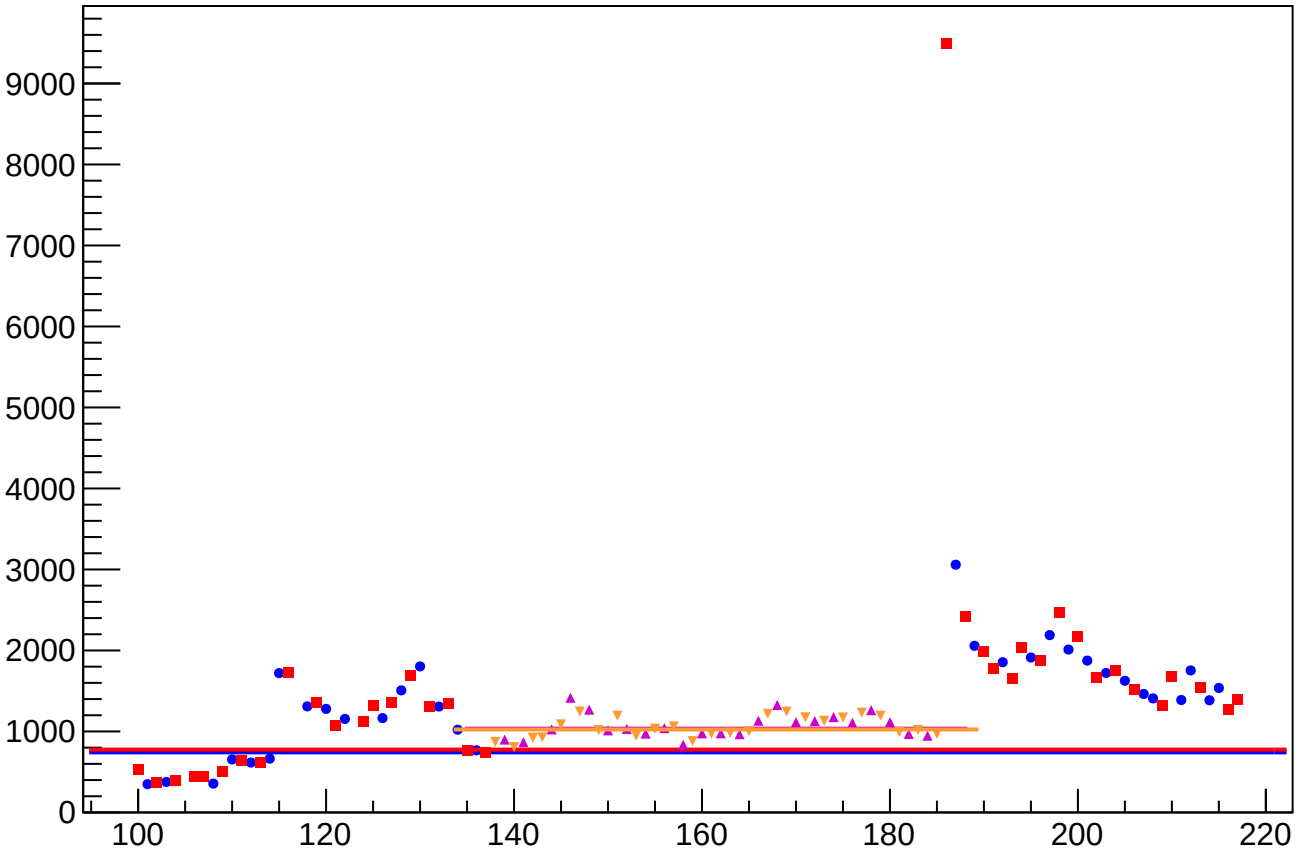
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 217.798+/-147.300 χ^2/NDF: 74.4/66

In: 294.786+/-158.447 χ^2/NDF:75.2/53

Out: 115.328+/-155.933 χ^2/NDF:66.6/60

All: 203.622+/-111.140 χ^2/NDF: 142.4/114



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: 775.941+/-0.147 χ^2/NDF: 13235384.7/35

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

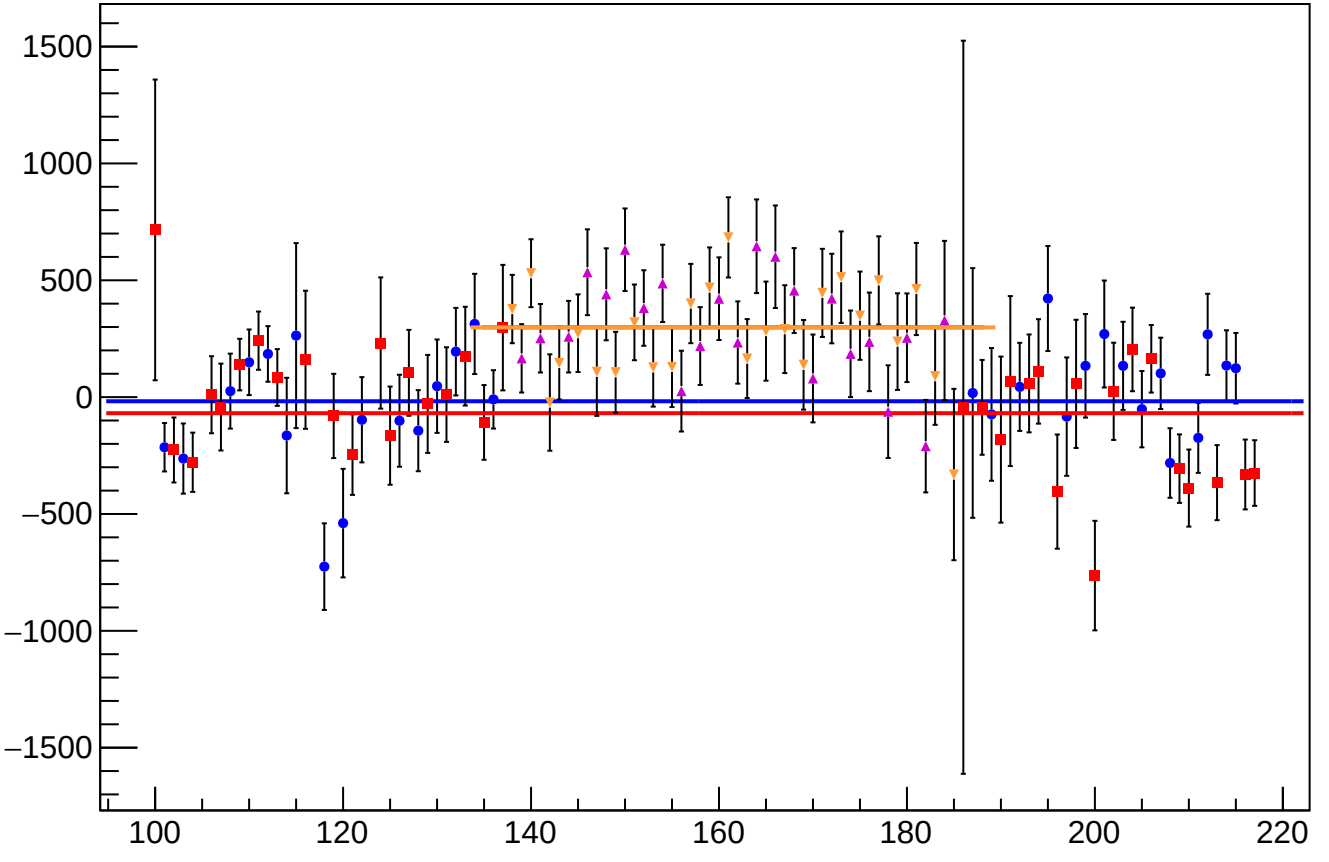
Right: 758.920+/-0.104 χ^2/NDF: 26118012.1/66

In: 865.107+/-0.112 χ^2/NDF:15146093.9/53

Out: 885.299+/-0.110 χ^2/NDF:15085071.0/60

All: 875.364+/-0.079 χ^2/NDF: 30247663.2/1

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -17.623+/-31.084 χ^2/NDF: 52.1/30

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -68.672+/-30.005 χ^2/NDF: 57.9/35

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

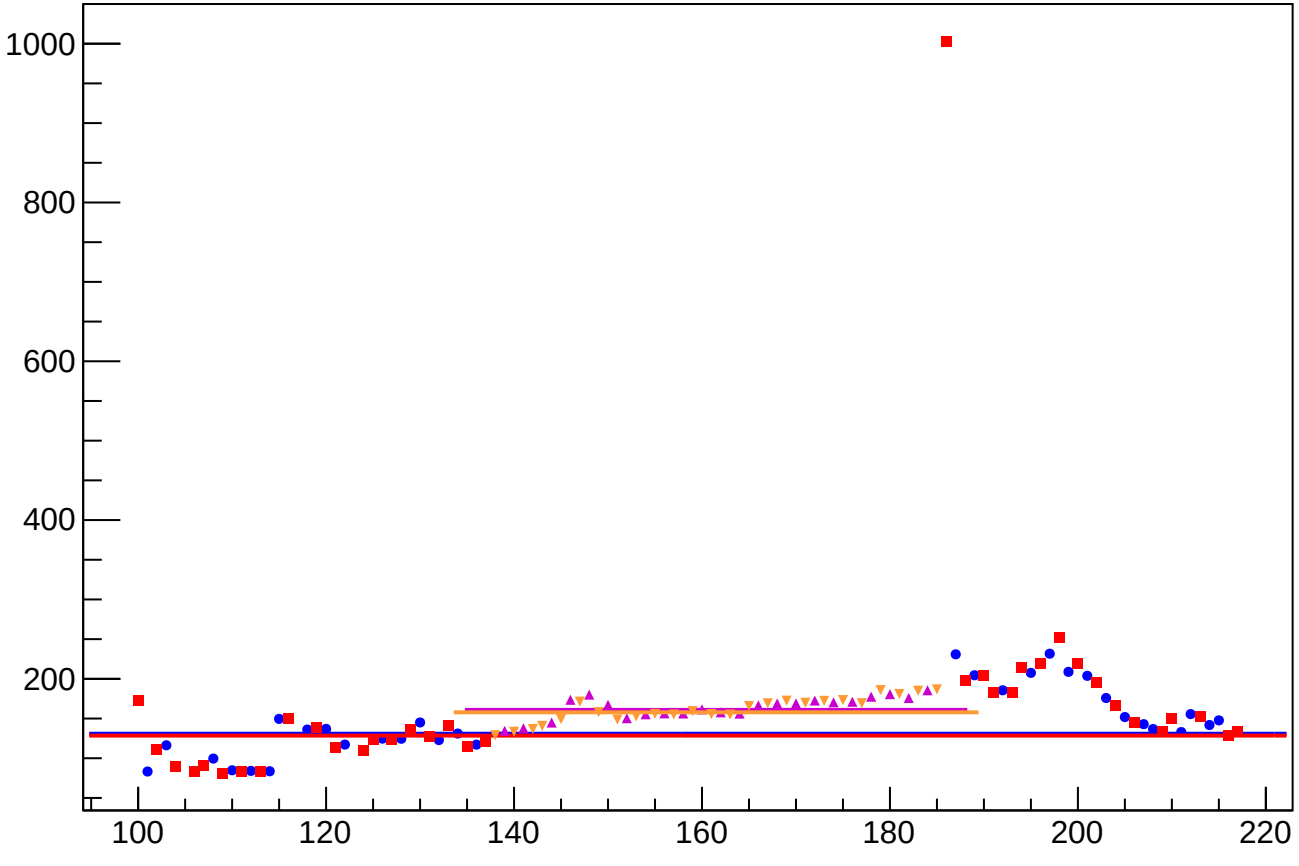
Right: -44.049+/-21.588 χ^2/NDF: 111.4/66

In: 110.277+/-23.990 χ^2/NDF:123.4/53

Out: 81.595+/-23.062 χ^2/NDF:145.2/60

All: 95.370+/-16.626 χ^2/NDF: 269.3/114

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: 128.522+/-0.021 χ^2/NDF: 4261455.1/35

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

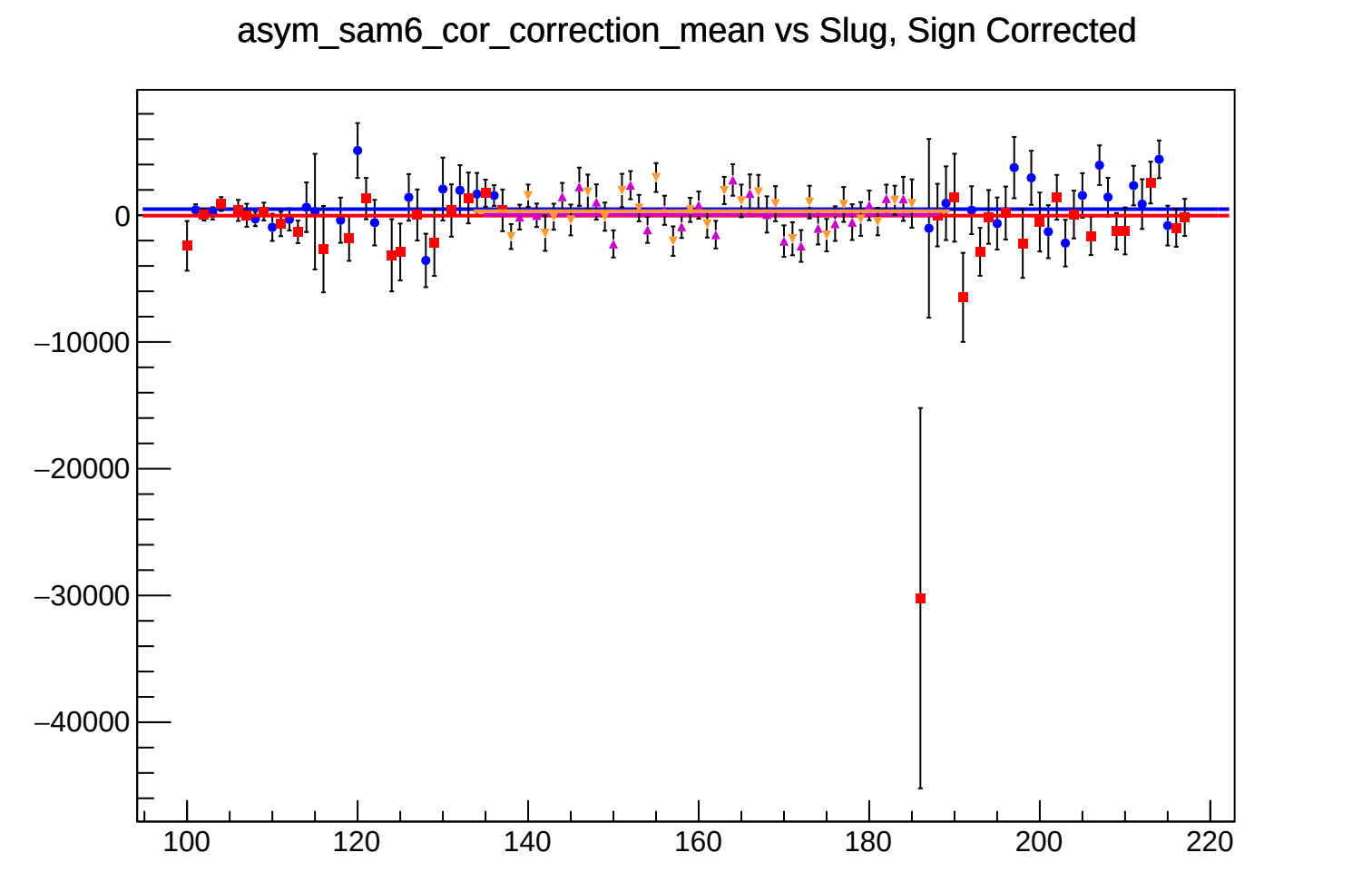
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.647+/-0.015 χ^2/NDF: 7056081.3/66

In: 142.993+/-0.017 χ^2/NDF:3811372.3/53

Out: 140.518+/-0.016 χ^2/NDF:5419911.0/60

All: 141.707+/-0.012 χ^2/NDF: 9242349.3/114



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: -31.689+/-208.823 χ^2/NDF: 32.9/35

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

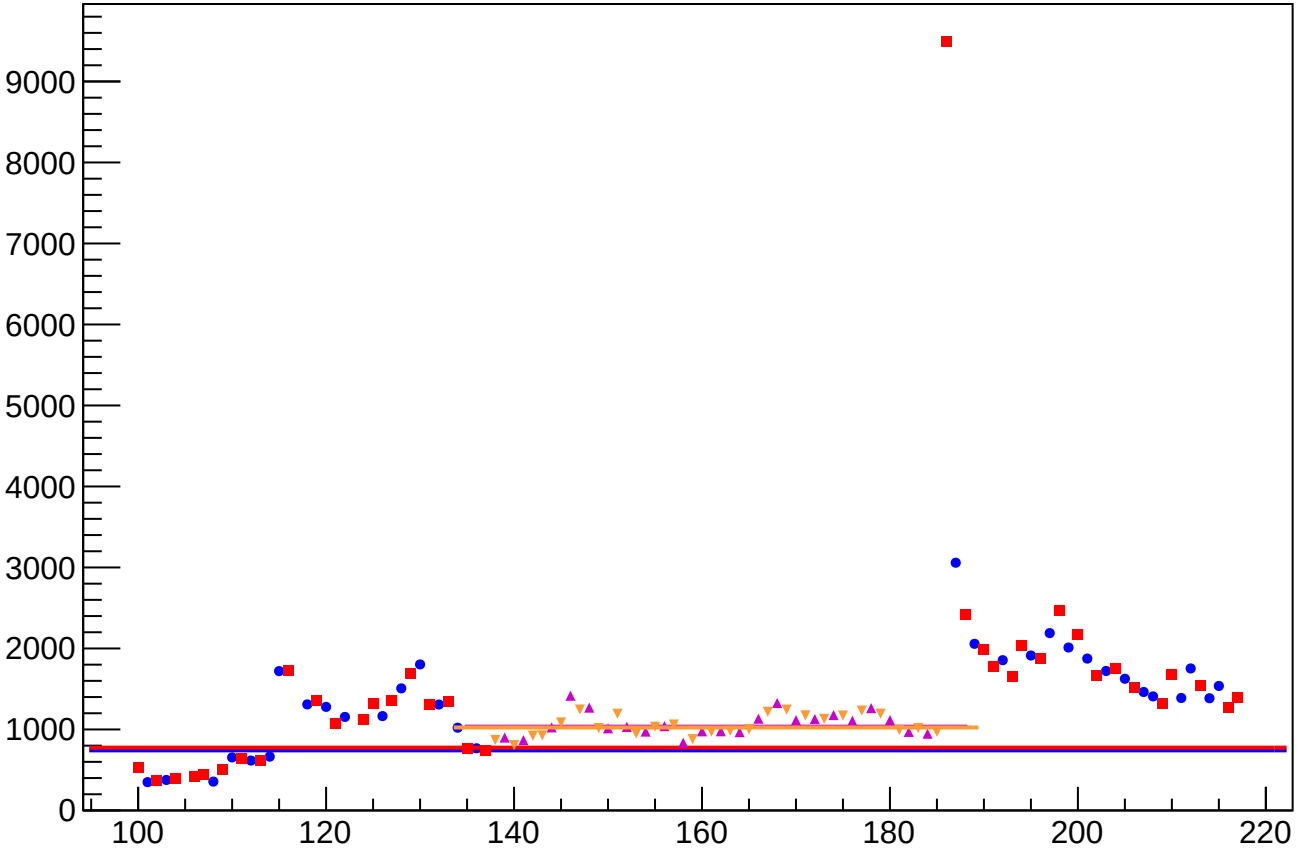
Right: 225.280+/-147.458 χ^2/NDF: 74.4/66

In: 294.852+/-158.445 χ^2/NDF:75.2/53

Out: 123.402+/-156.123 χ^2/NDF:66.7/60

All: 207.861+/-111.207 χ^2/NDF: 142.5/114

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



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: 775.600+/-0.148 χ^2/NDF: 13270918.8/35

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

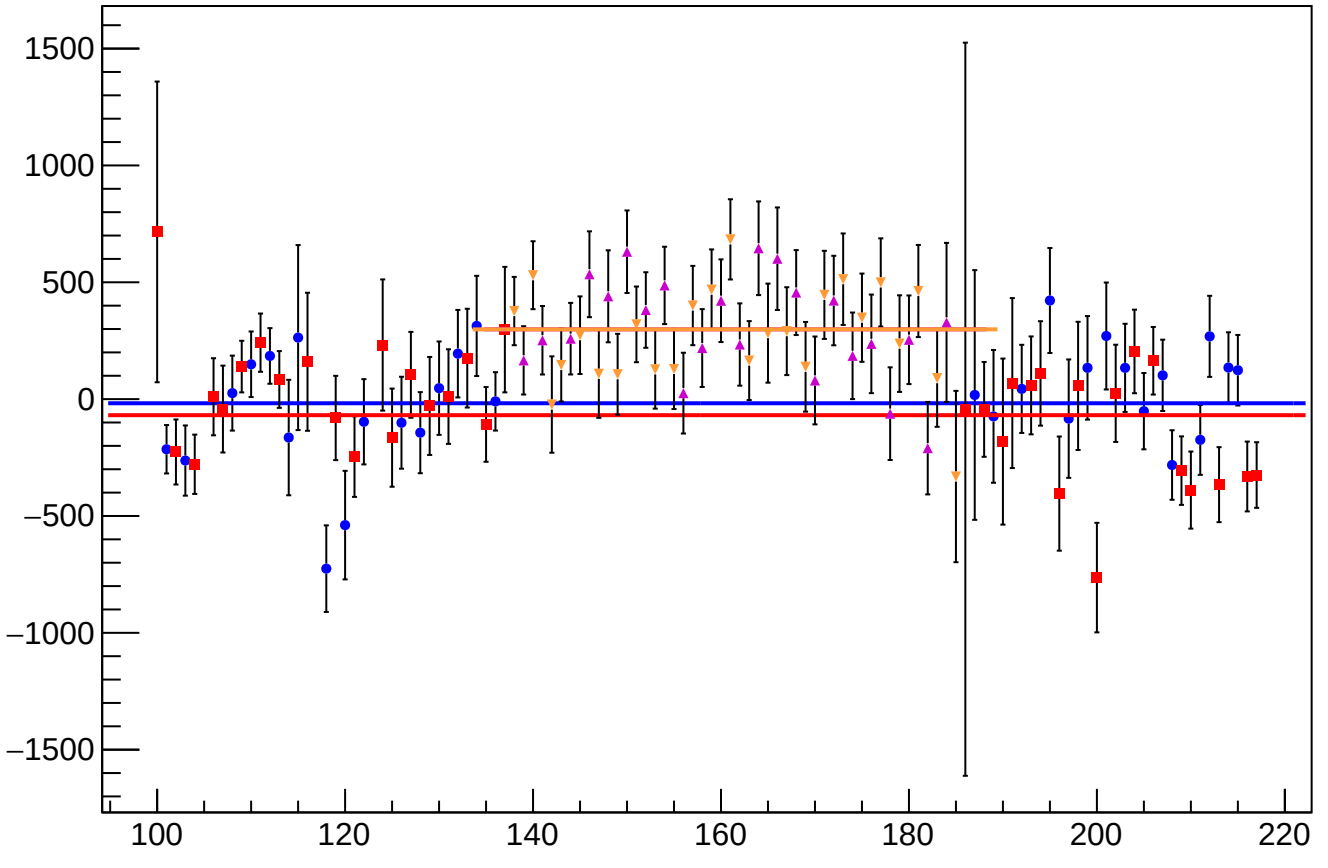
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 758.699+/-0.104 χ^2/NDF: 26153635.0/66

In: 865.088+/-0.112 χ^2/NDF:15147079.5/53

Out: 885.374+/-0.110 χ^2/NDF:15121641.4/60

All: 875.381+/-0.079 χ^2/NDF: 30285355.8/1



Right In: -17.623+/-31.084 χ^2/NDF: 52.1/30

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -68.672+/-30.005 χ^2/NDF: 57.9/35

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

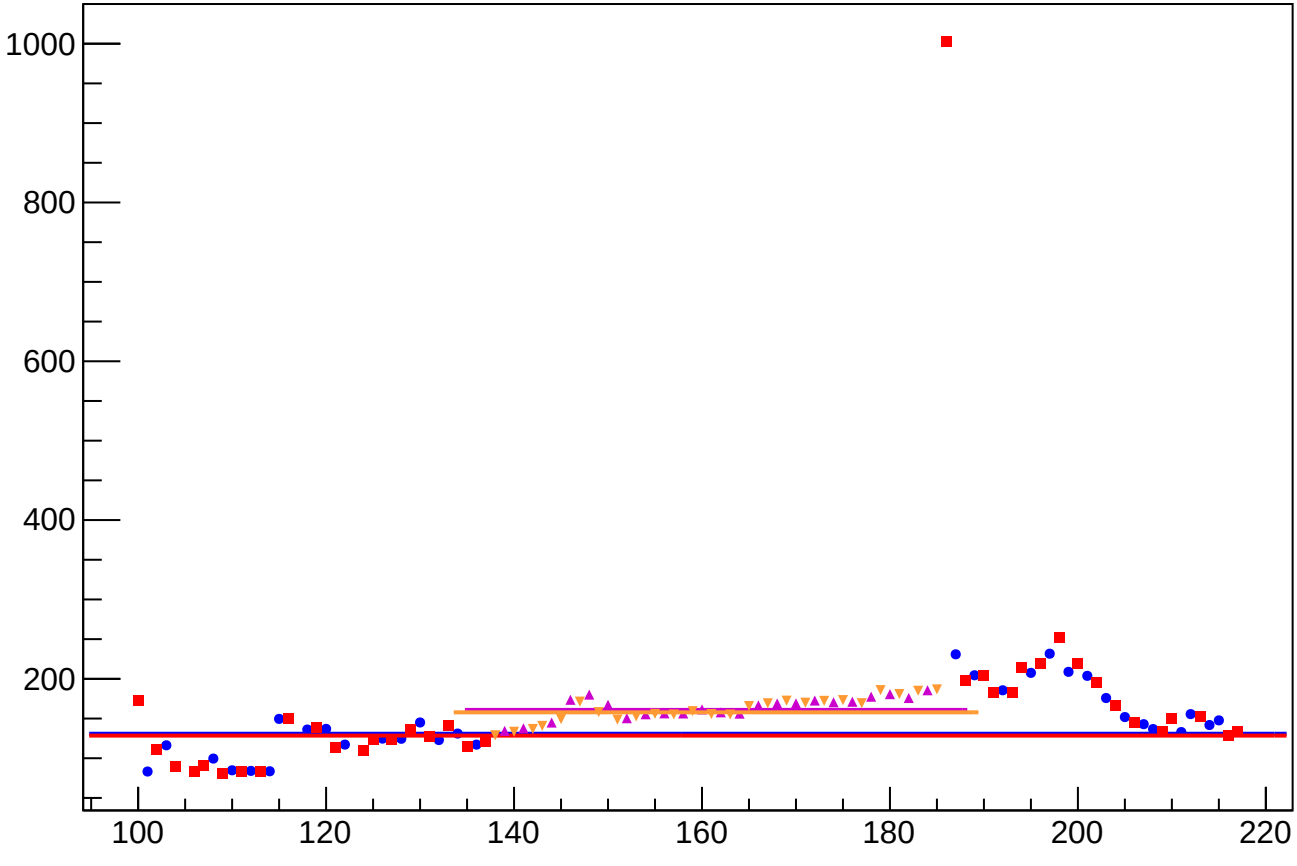
Right: -44.049+/-21.588 χ^2/NDF: 111.4/66

In: 110.277+/-23.990 χ^2/NDF:123.4/53

Out: 81.595+/-23.062 χ^2/NDF:145.2/60

All: 95.370+/-16.626 χ^2/NDF: 269.3/114

eigen_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: 128.522+/-0.021 χ^2/NDF: 4261455.1/35

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

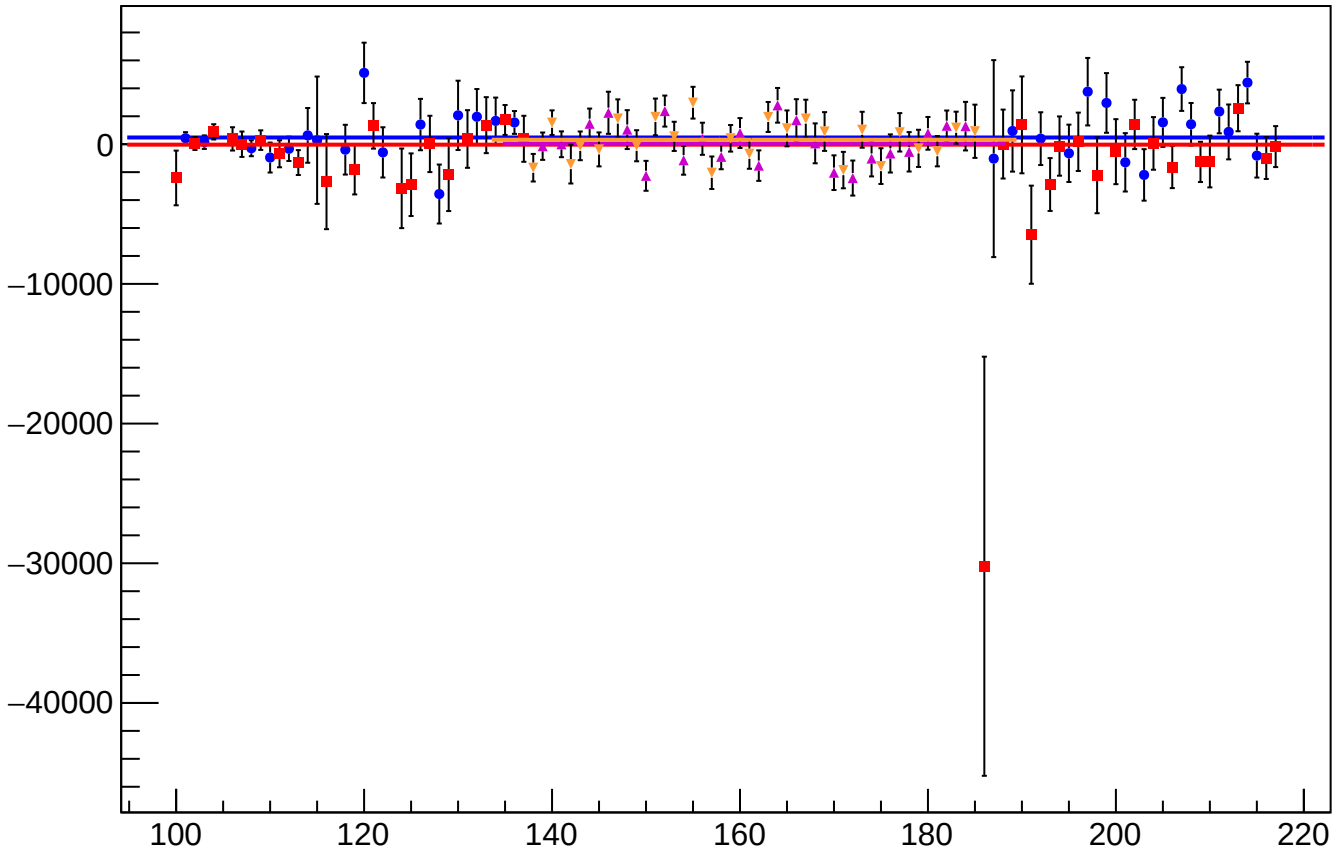
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.647+/-0.015 χ^2/NDF: 7056081.3/66

In: 142.993+/-0.017 χ^2/NDF:3811372.3/53

Out: 140.518+/-0.016 χ^2/NDF:5419911.0/60

All: 141.707+/-0.012 χ^2/NDF: 9242349.3/114



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: -31.689+/-208.823 χ^2/NDF: 32.9/35

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

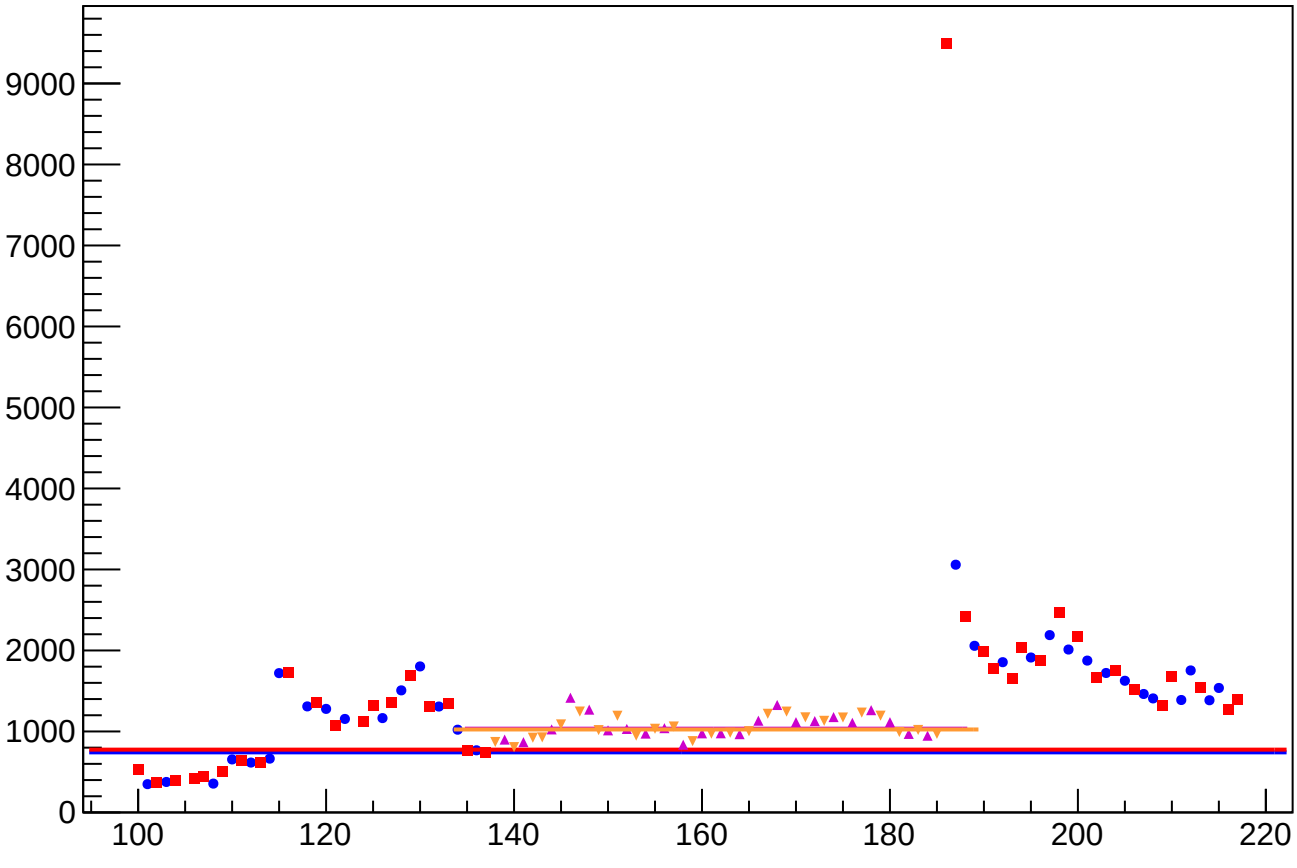
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 225.280+/-147.458 χ^2/NDF: 74.4/66

In: 294.852+/-158.445 χ^2/NDF:75.2/53

Out: 123.402+/-156.123 χ^2/NDF:66.7/60

All: 207.861+/-111.207 χ^2/NDF: 142.5/114



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: 775.600+/-0.148 χ^2/NDF: 13270918.8/35

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

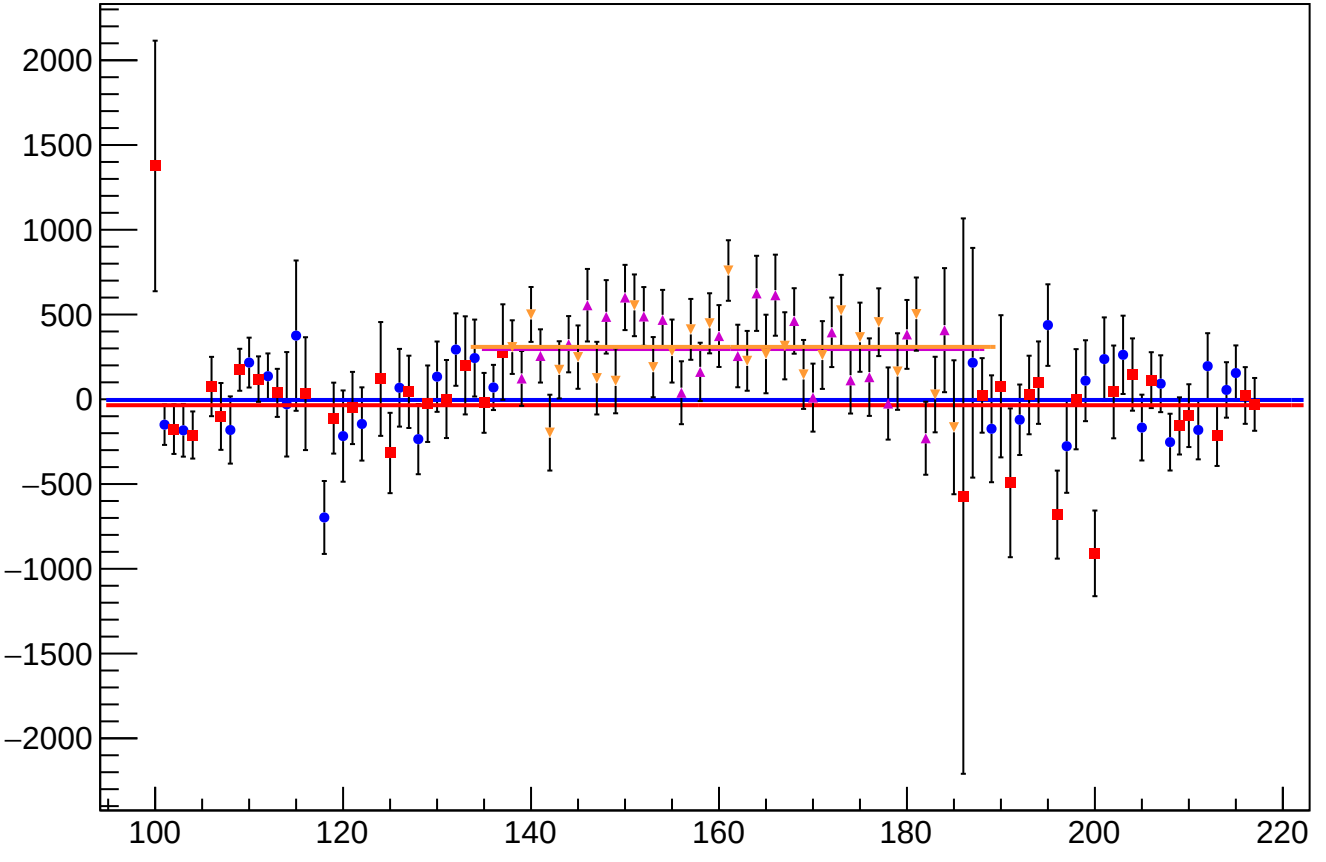
Right: 758.699+/-0.104 χ^2/NDF: 26153635.0/66

In: 865.088+/-0.112 χ^2/NDF:15147079.5/53

Out: 885.374+/-0.110 χ^2/NDF:15121641.4/60

All: 875.381+/-0.079 χ^2/NDF: 30285355.8/1

dit_asym_sam6_mean vs Slug, Sign Corrected



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: -35.031+/-33.682 χ^2/NDF: 38.3/35

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

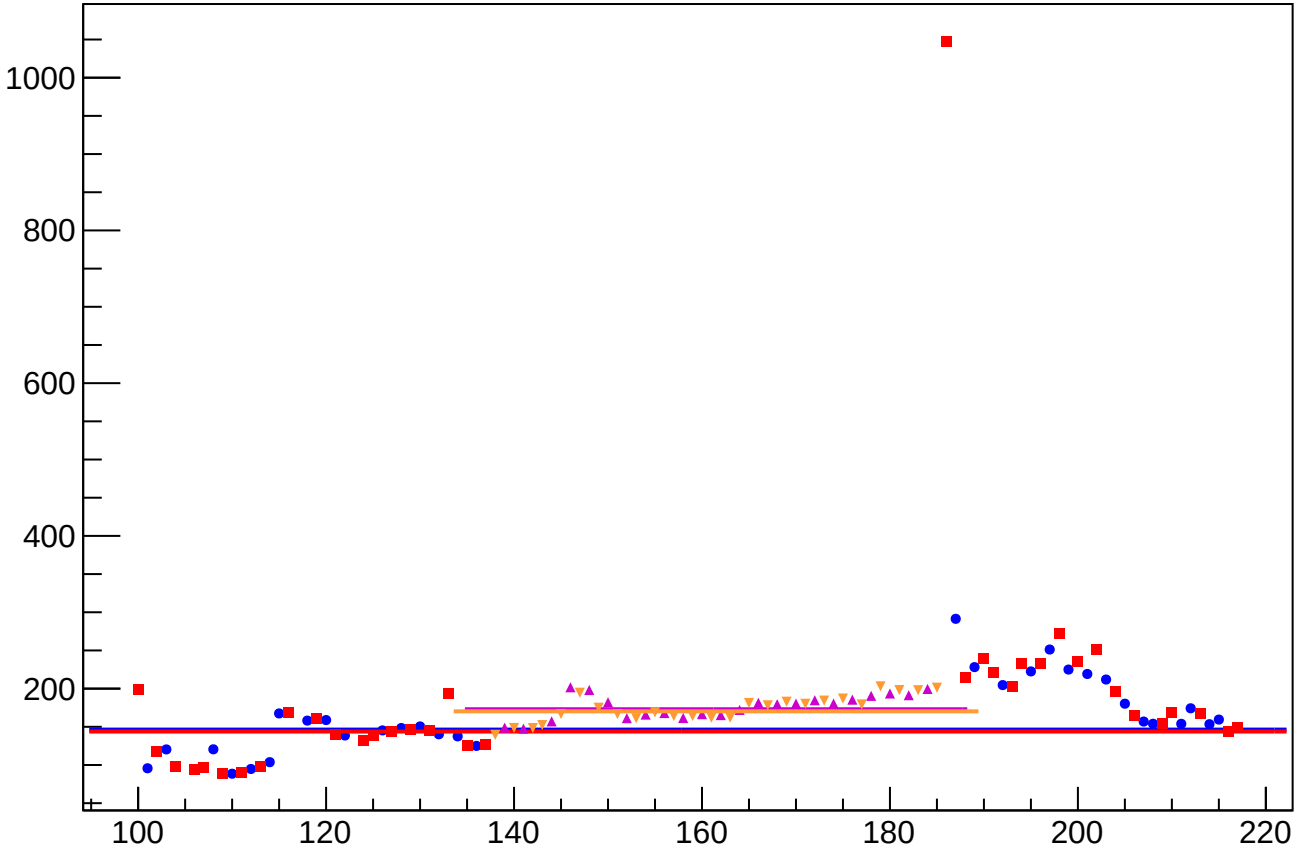
Right: -20.033+/-24.202 χ^2/NDF: 77.0/66

In: 123.228+/-26.424 χ^2/NDF:97.8/53

Out: 112.390+/-25.463 χ^2/NDF:108.5/60

All: 117.608+/-18.335 χ^2/NDF: 206.4/114

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: 143.800+/-0.024 χ^2/NDF: 4423418.4/35

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

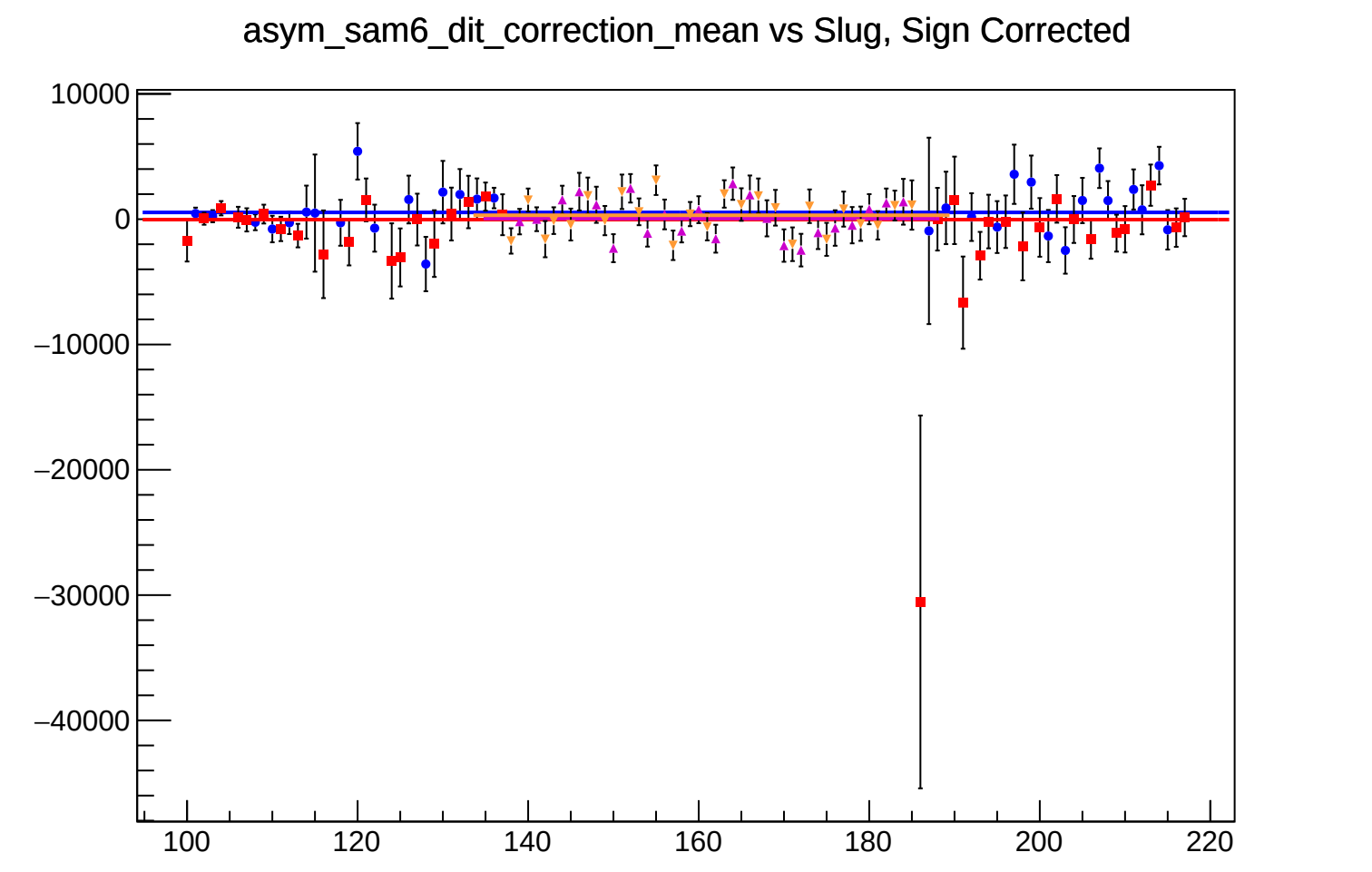
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 145.043+/-0.017 χ^2/NDF: 7158866.8/66

In: 157.656+/-0.019 χ^2/NDF:3520363.3/53

Out: 155.129+/-0.018 χ^2/NDF:5317801.5/60

All: 156.346+/-0.013 χ^2/NDF: 8847649.7/114



Right In: 540.541+/-216.534 χ^2/NDF: 37.7/30

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -33.047+/-215.011 χ^2/NDF: 31.6/35

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

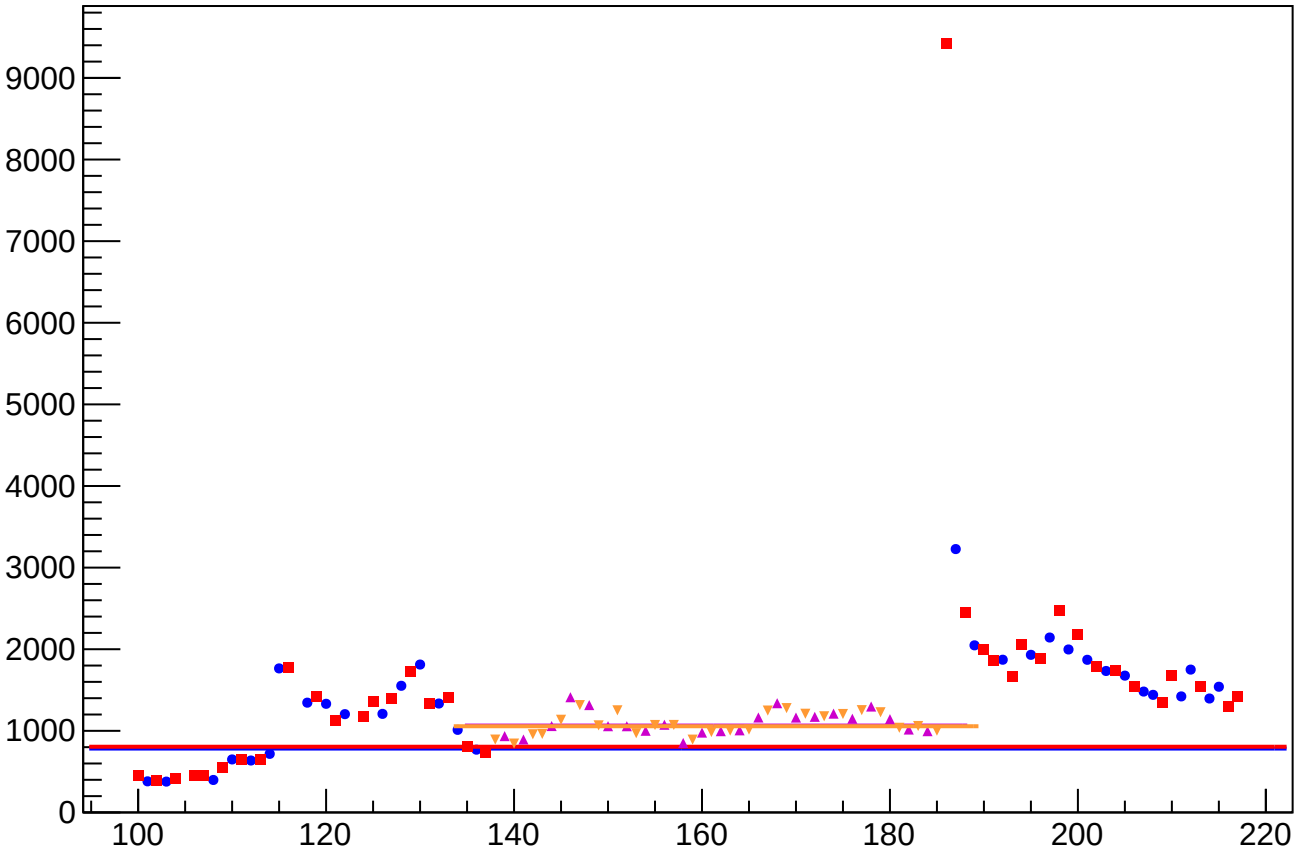
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 251.724+/-152.571 χ^2/NDF: 72.8/66

In: 330.298+/-164.025 χ^2/NDF:74.3/53

Out: 119.611+/-160.852 χ^2/NDF:65.6/60

All: 222.897+/-114.845 χ^2/NDF: 140.8/114



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: 805.224+/-0.152 χ^2/NDF: 12974064.4/35

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

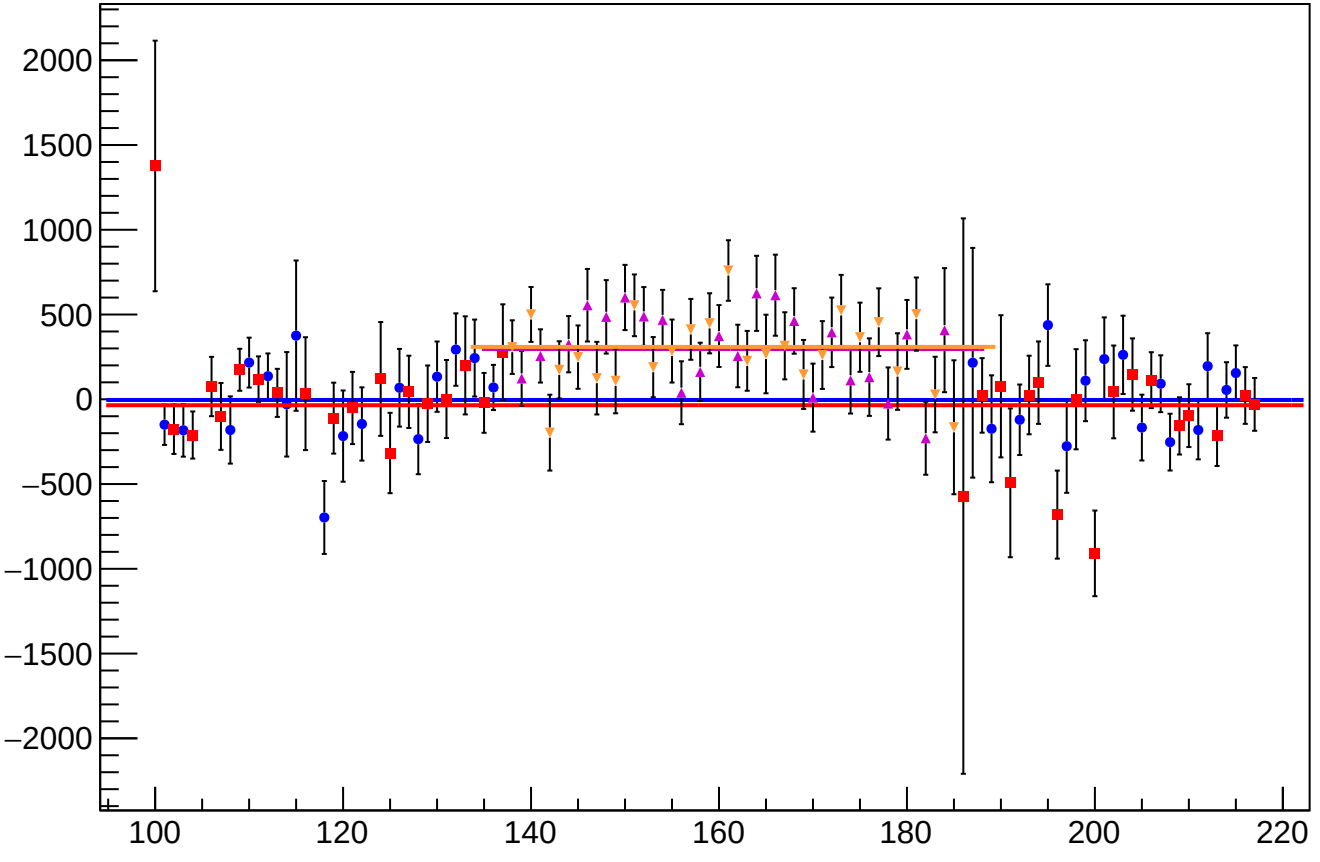
Right: 794.145+/-0.108 χ^2/NDF: 25117066.1/66

In: 903.001+/-0.116 χ^2/NDF:14186842.4/53

Out: 915.793+/-0.114 χ^2/NDF:14785920.6/60

All: 909.522+/-0.081 χ^2/NDF: 28978964.3/11

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



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: -35.030+/-33.682 χ^2/NDF: 38.3/35

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

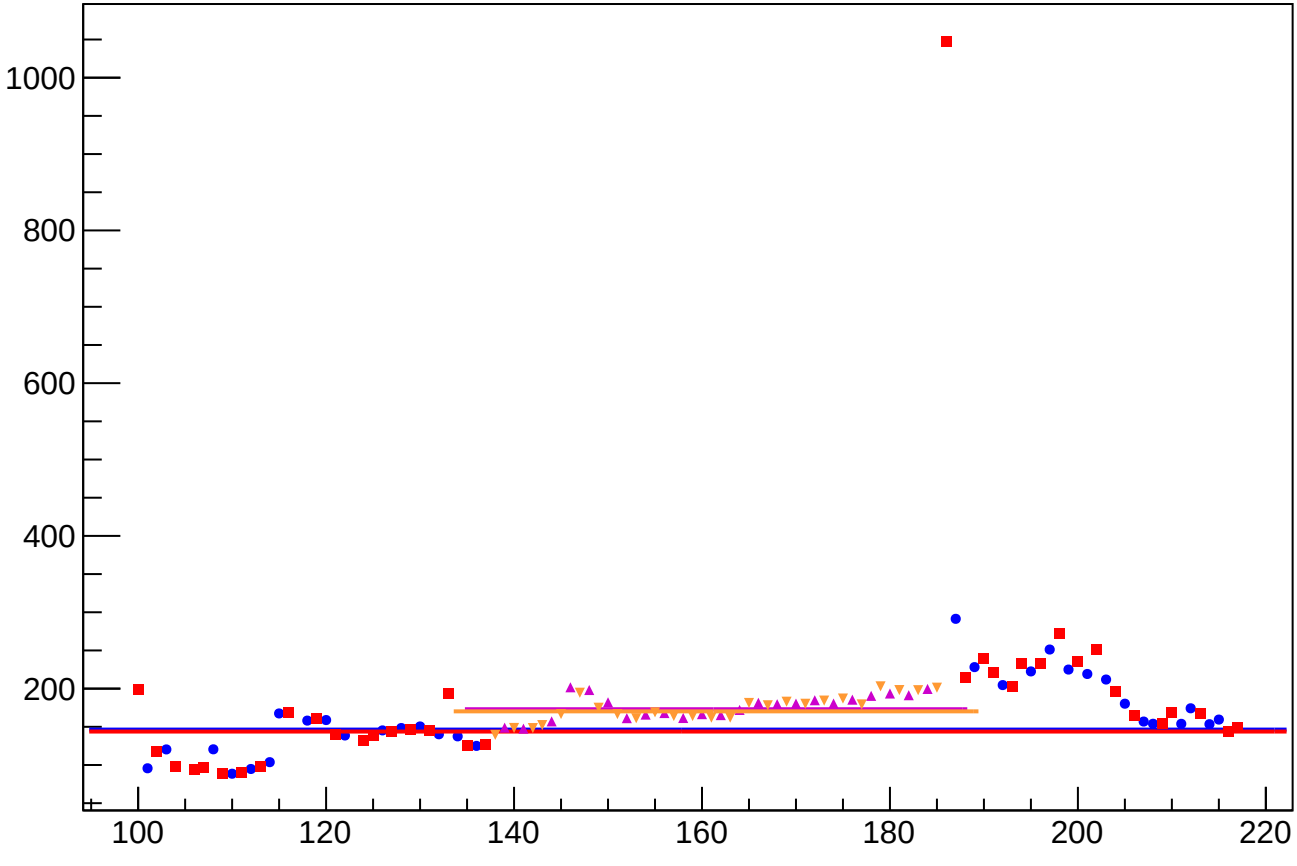
Right: -20.033+/-24.202 χ^2/NDF: 77.0/66

In: 123.228+/-26.424 χ^2/NDF:97.8/53

Out: 112.391+/-25.463 χ^2/NDF:108.5/60

All: 117.609+/-18.335 χ^2/NDF: 206.4/114

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: 143.799+/-0.024 χ^2/NDF: 4423425.8/35

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

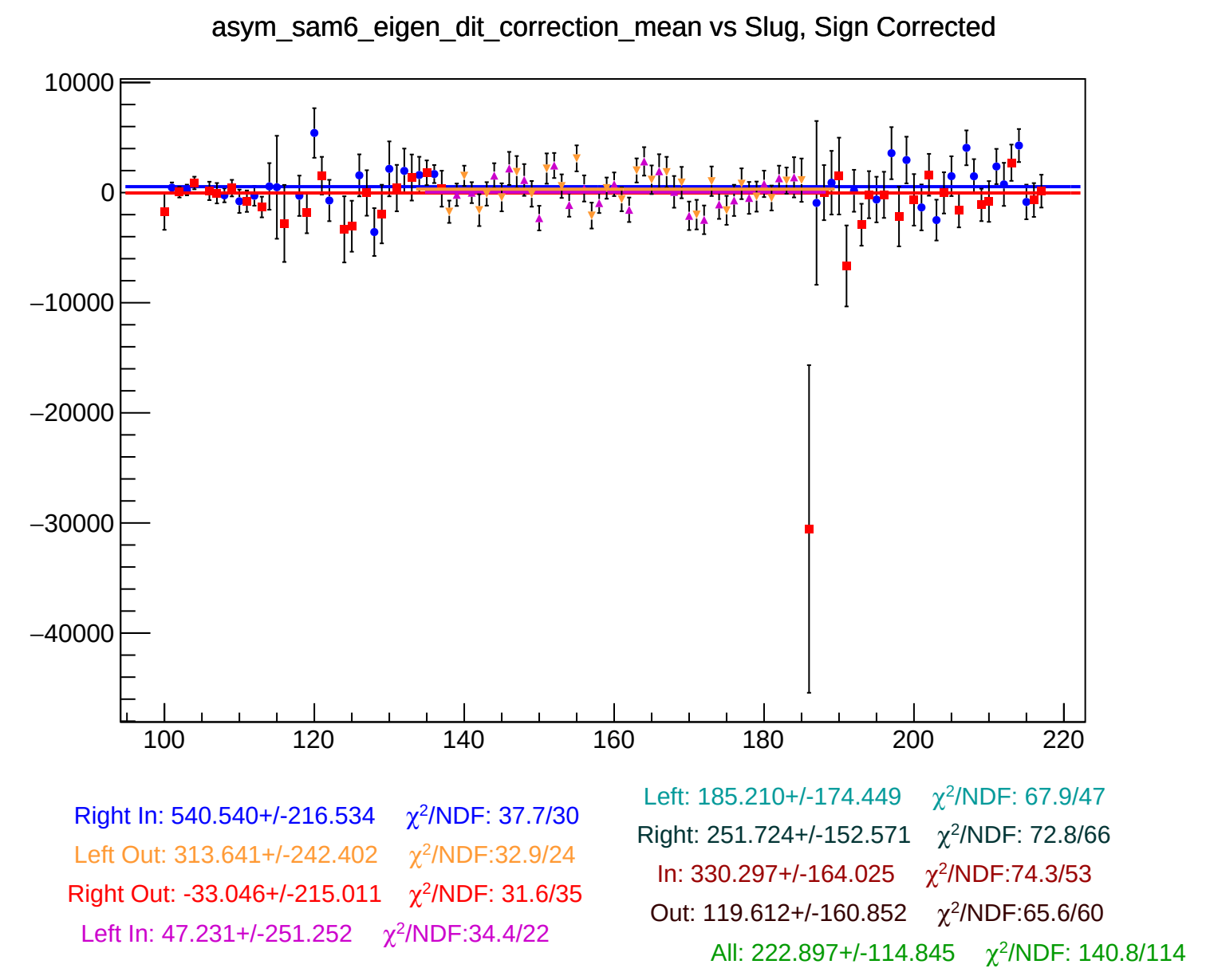
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

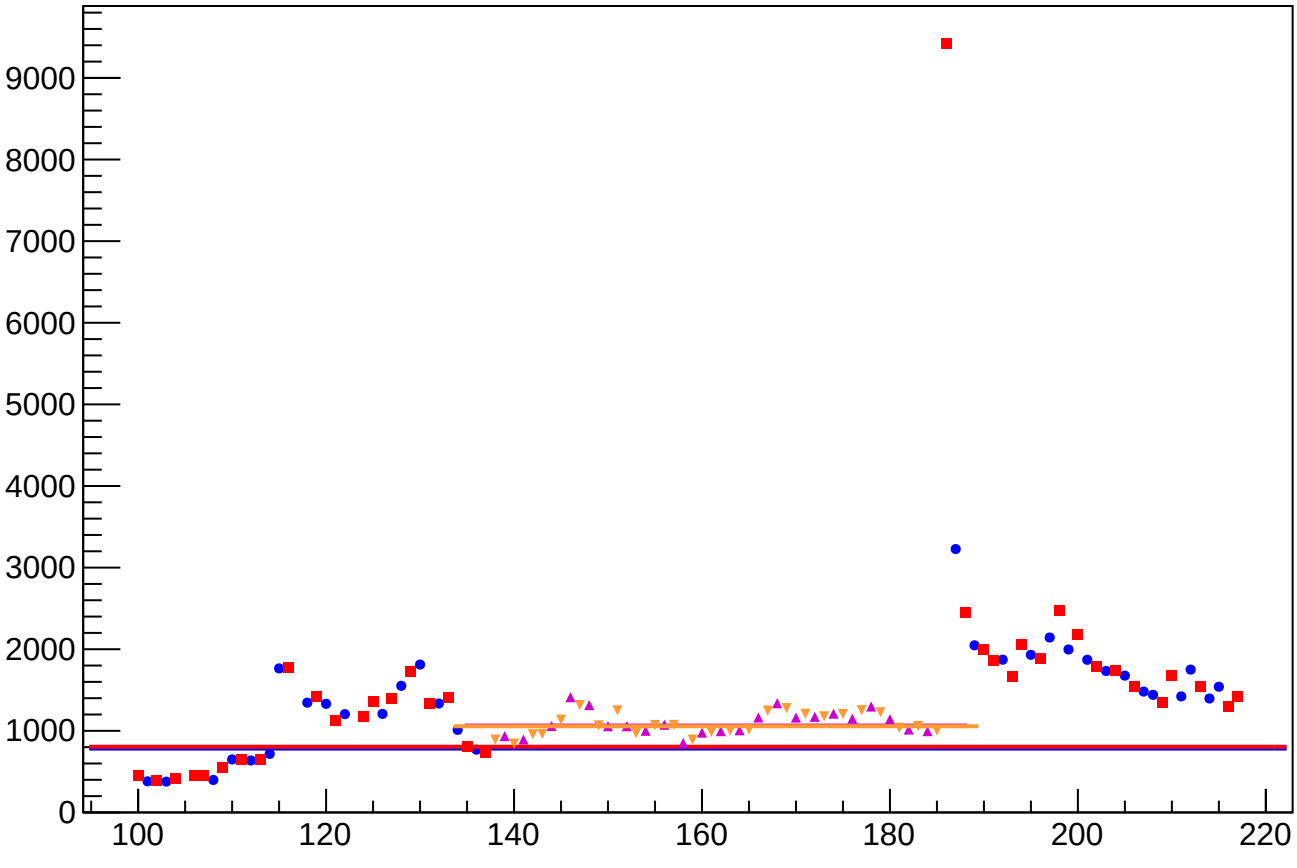
Right: 145.042+/-0.017 χ^2/NDF: 7158893.2/66

In: 157.656+/-0.019 χ^2/NDF:3520386.4/53

Out: 155.128+/-0.018 χ^2/NDF:5317810.6/60

All: 156.345+/-0.013 χ^2/NDF: 8847681.7/114


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: -33.046+/-215.011 χ²/NDF: 31.6/35
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 251.724+/-152.571 χ²/NDF: 72.8/66
In: 330.297+/-164.025 χ²/NDF:74.3/53
Out: 119.612+/-160.852 χ²/NDF:65.6/60
All: 222.897+/-114.845 χ²/NDF: 140.8/114



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: 805.223+/-0.152 χ^2/NDF: 12974072.0/35

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

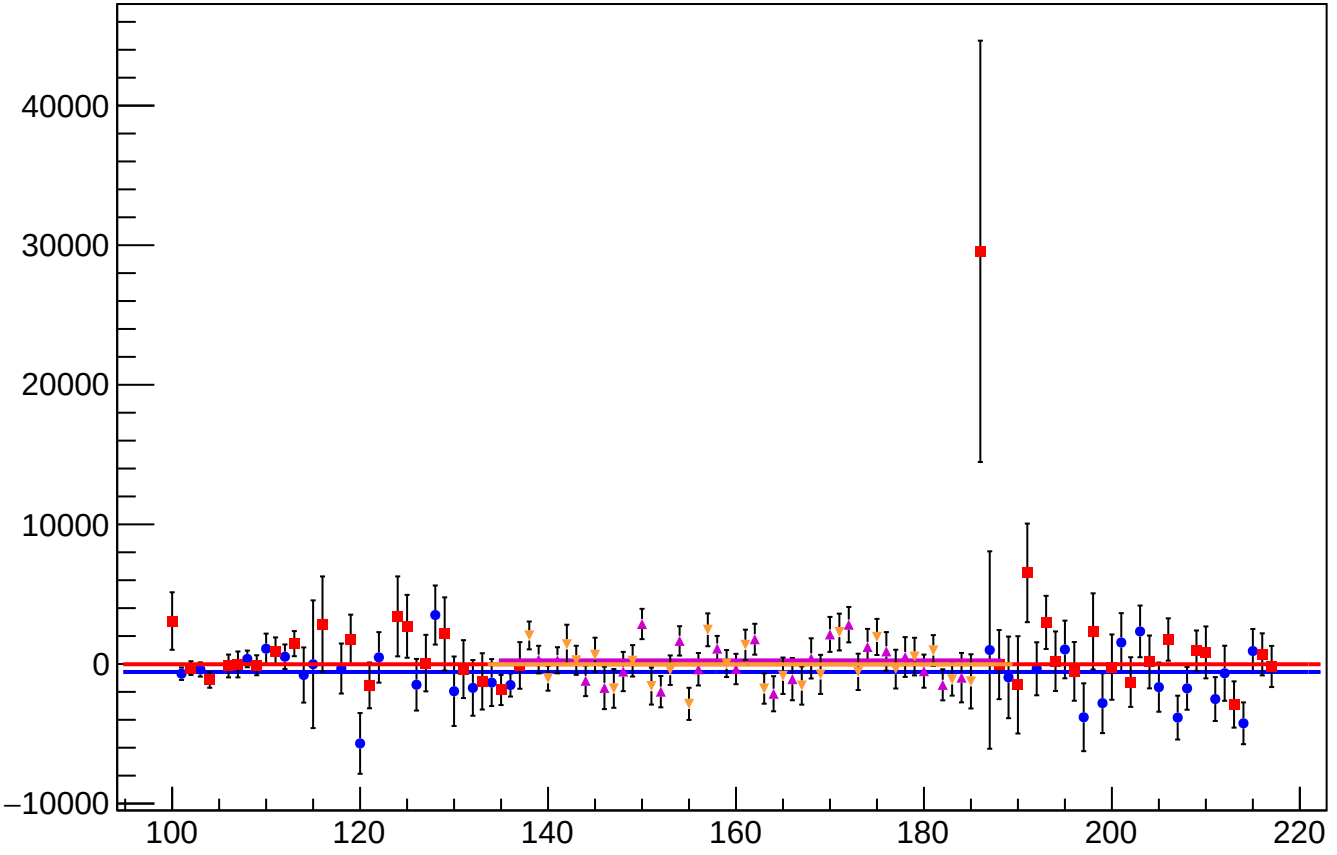
Right: 794.144+/-0.108 χ^2/NDF: 25117089.5/66

In: 903.000+/-0.116 χ^2/NDF:14186872.5/53

Out: 915.793+/-0.114 χ^2/NDF:14785942.1/60

All: 909.521+/-0.081 χ^2/NDF: 28979016.1/11

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: -21.597+/-212.967 χ^2/NDF: 36.2/35

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

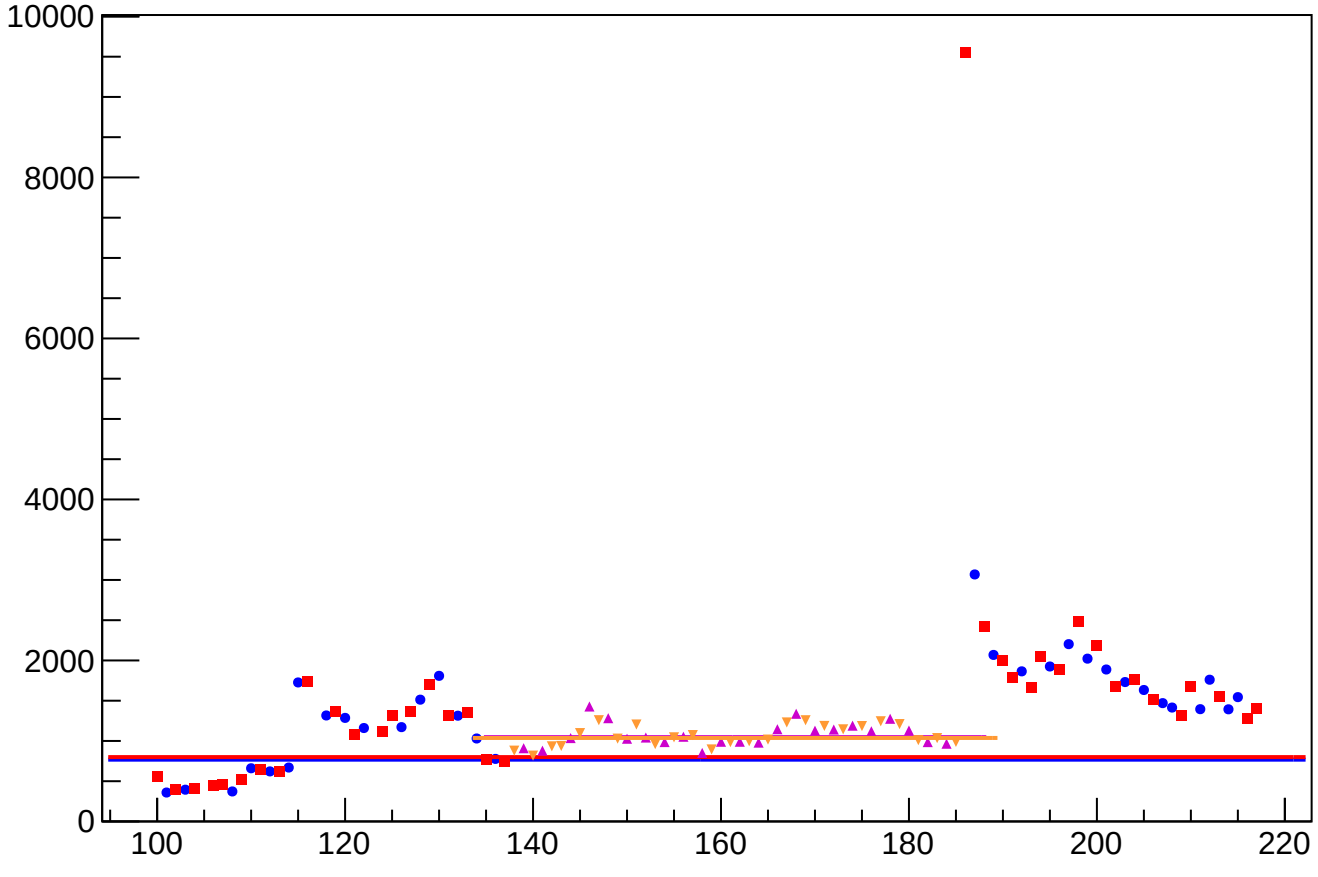
Right: -296.810+/-150.770 χ^2/NDF: 78.9/66

In: -219.320+/-161.570 χ^2/NDF:79.4/53

Out: -21.714+/-158.697 χ^2/NDF:70.7/60

All: -118.745+/-113.218 χ^2/NDF: 150.8/114

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: 799.396+/-0.151 χ^2/NDF: 12805346.3/35

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

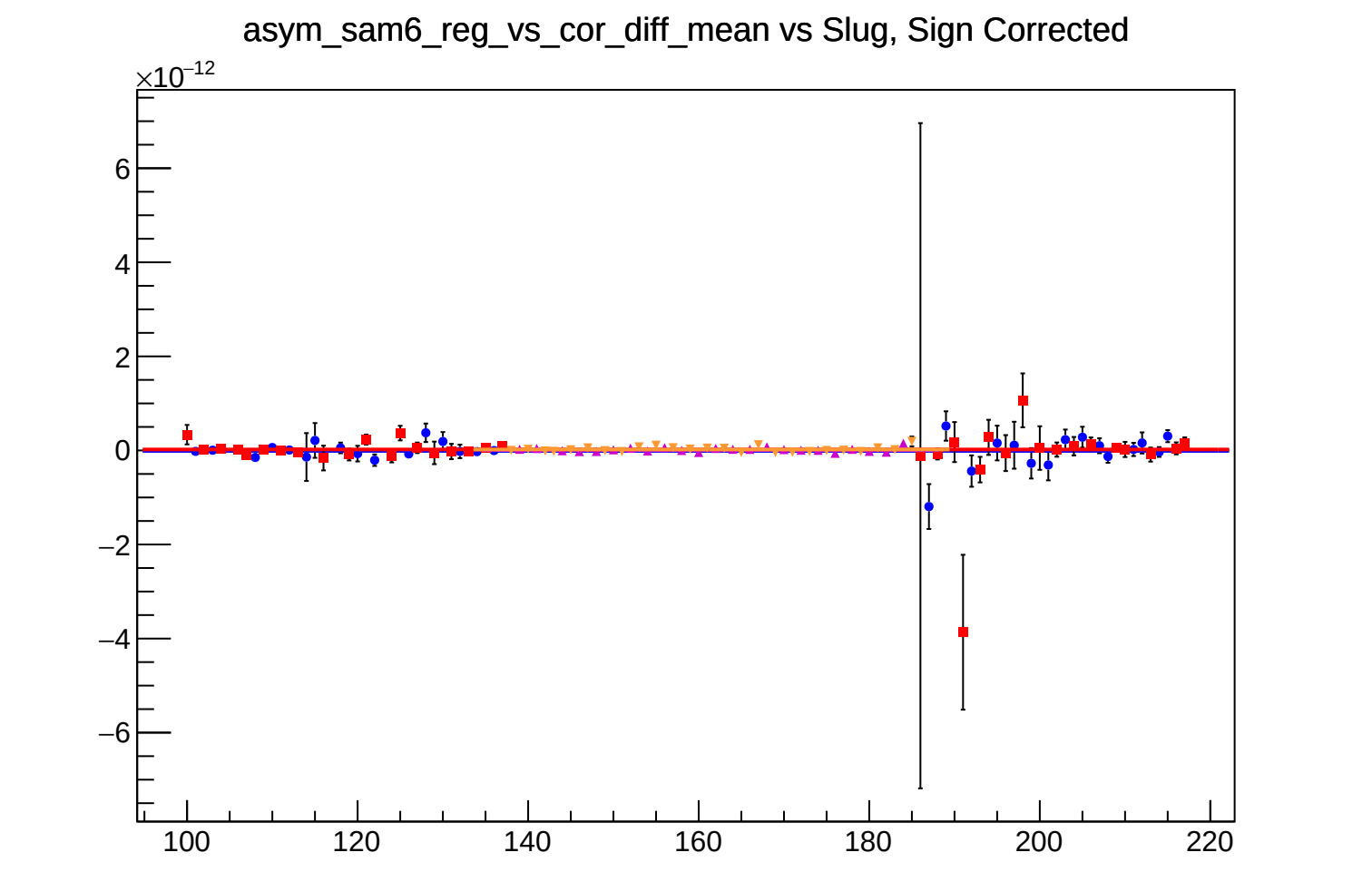
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 783.561+/-0.107 χ^2/NDF: 25201415.2/66

In: 887.252+/-0.114 χ^2/NDF:14456830.9/53

Out: 905.207+/-0.112 χ^2/NDF:14501014.8/60

All: 896.391+/-0.080 χ^2/NDF: 28970416.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 39.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/35

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

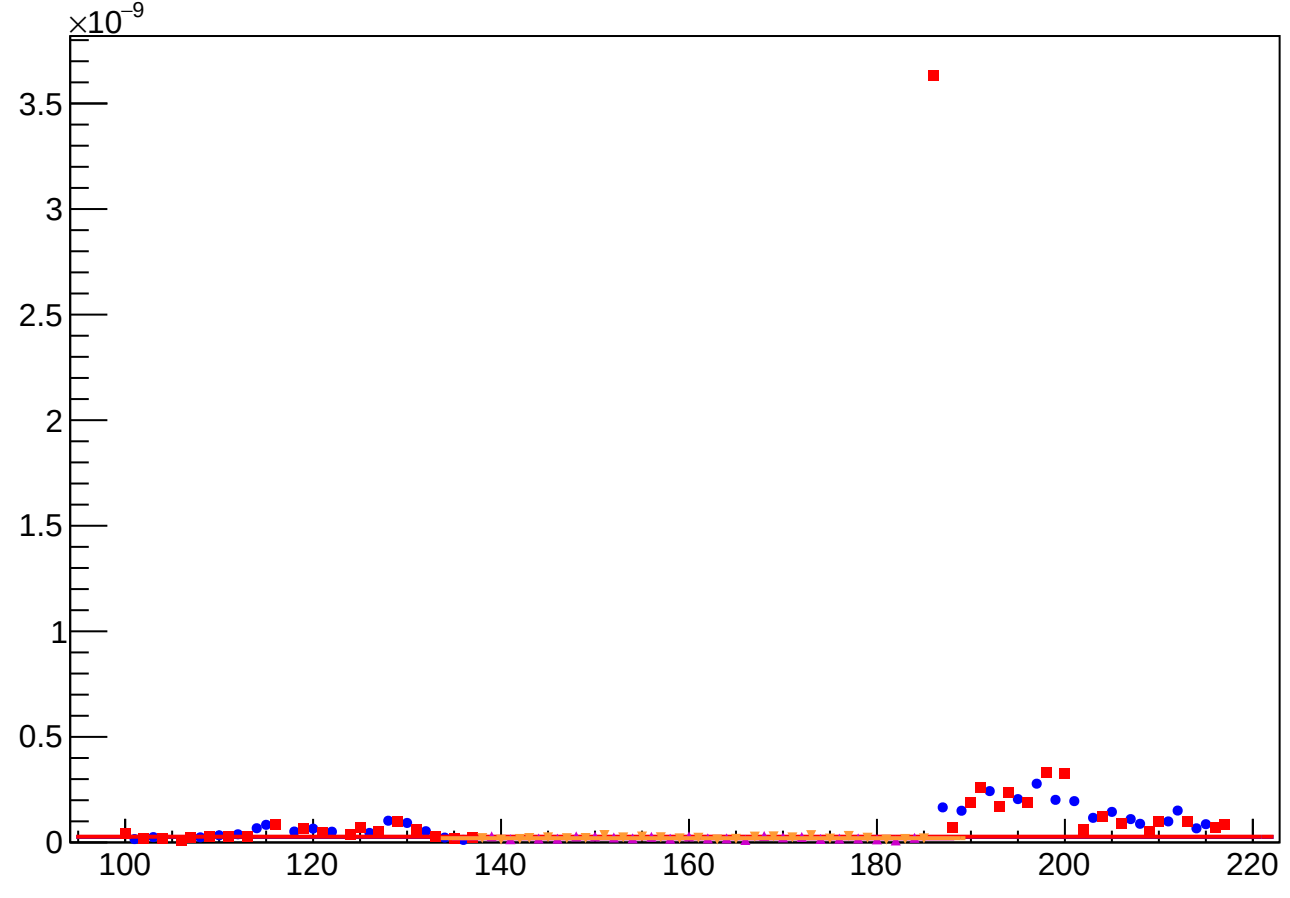
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 77.1/66

In: 0.000+/-0.000 χ^2/NDF:59.0/53

Out: 0.000+/-0.000 χ^2/NDF:65.1/60

All: 0.000+/-0.000 χ^2/NDF: 127.8/114



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: 9027470.7/35

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

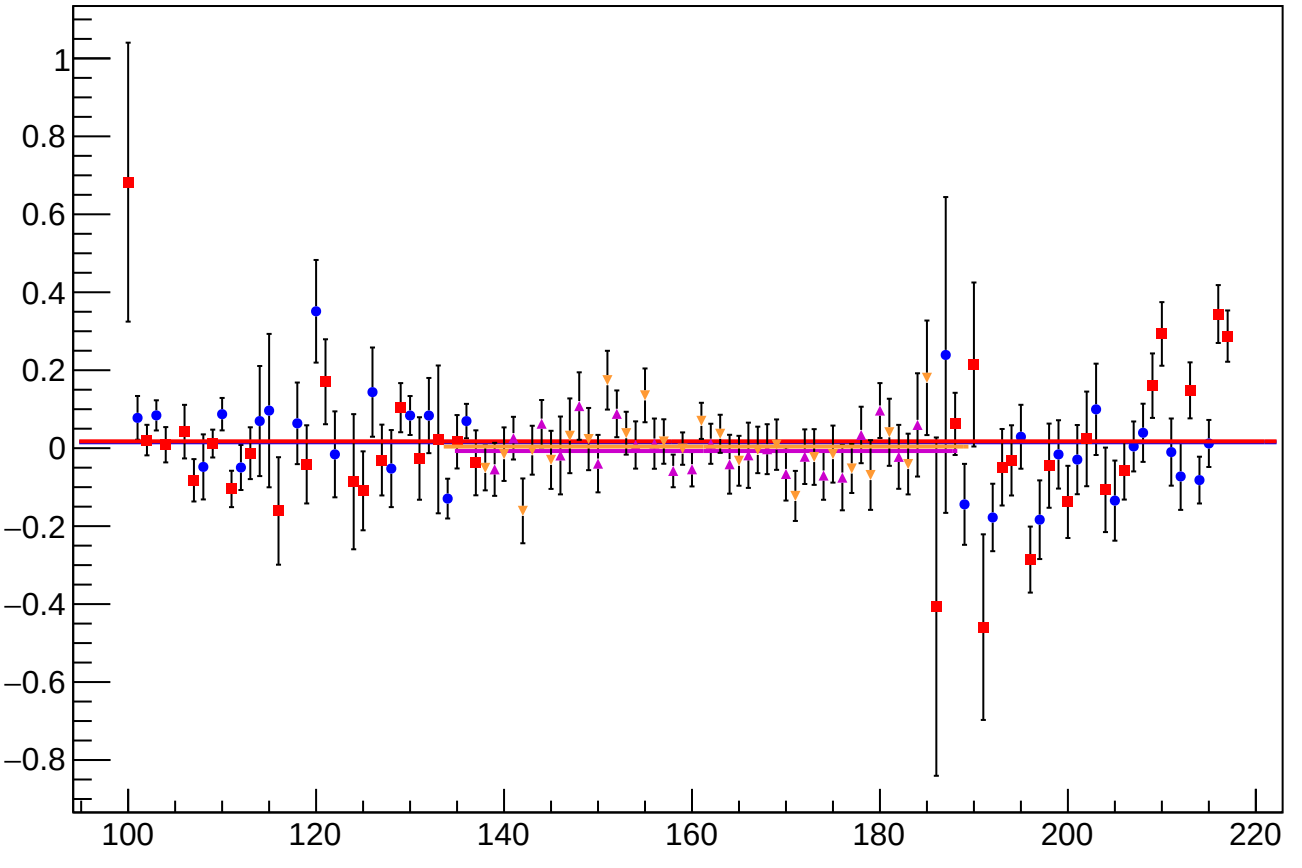
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 18737952.3/66

In: 0.000+/-0.000 χ^2/NDF:11174658.5/53

Out: 0.000+/-0.000 χ^2/NDF:10455484.2/60

All: 0.000+/-0.000 χ^2/NDF: 21647830.6/114



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: 0.018+/-0.013 χ^2/NDF: 101.9/35

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

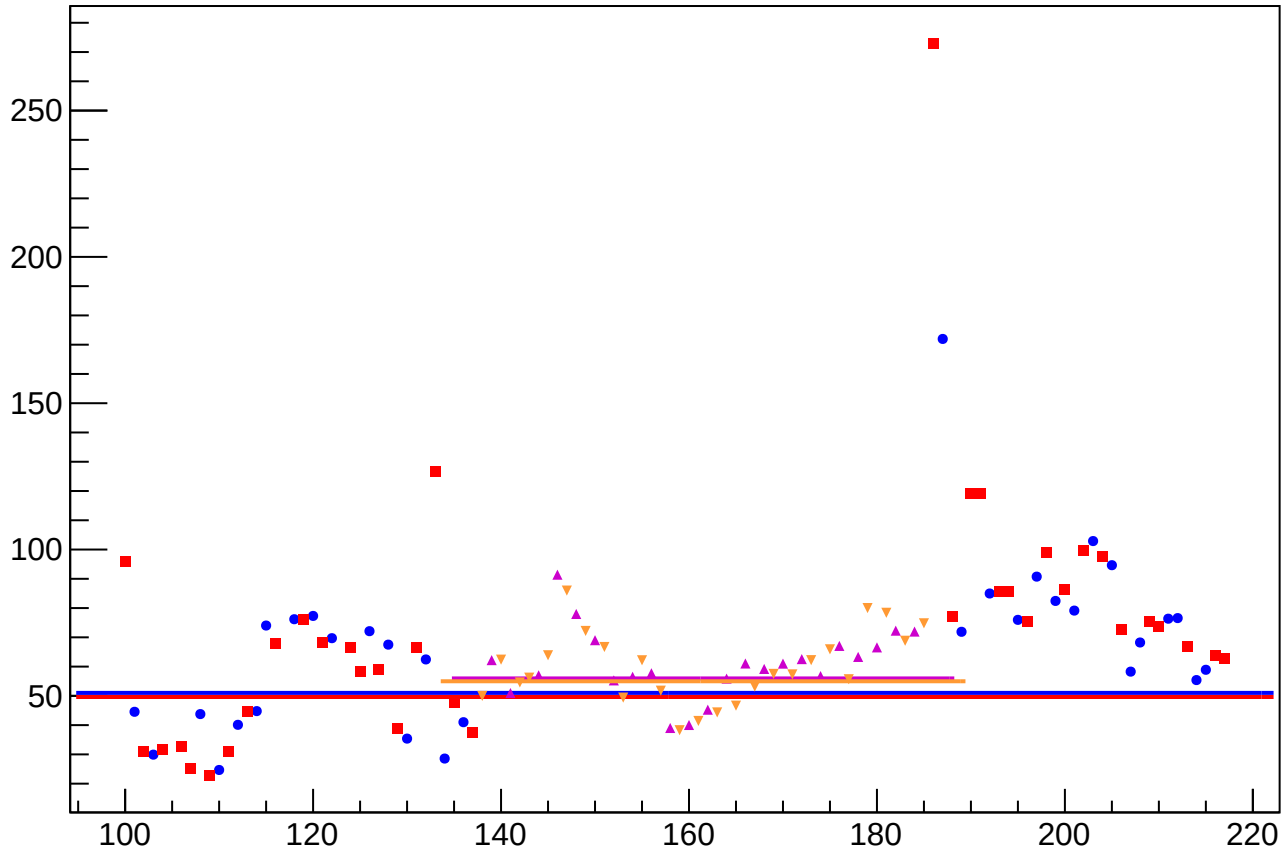
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.016+/-0.009 χ^2/NDF: 150.4/66

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.011+/-0.009 χ^2/NDF:127.3/60

All: 0.008+/-0.006 χ^2/NDF: 192.5/114



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: 49.612+/-0.009 χ^2/NDF: 7779513.2/35

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

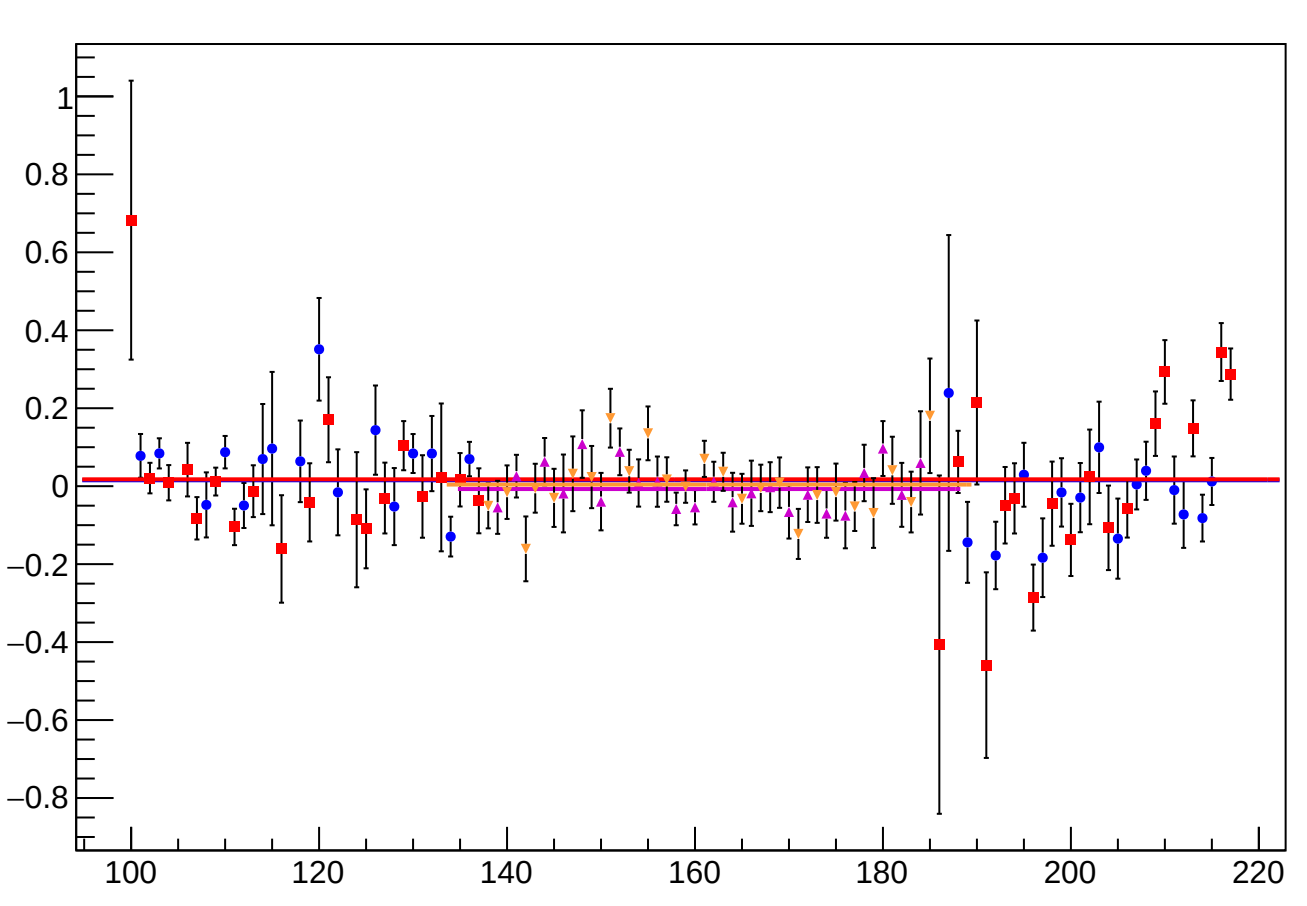
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 50.296+/-0.006 χ^2/NDF: 13221791.9/66

In: 53.364+/-0.007 χ^2/NDF:6976196.9/53

Out: 52.206+/-0.006 χ^2/NDF:9524472.5/60

All: 52.765+/-0.005 χ^2/NDF: 16516670.9/114



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: 0.018+/-0.013 χ^2/NDF: 101.9/35

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

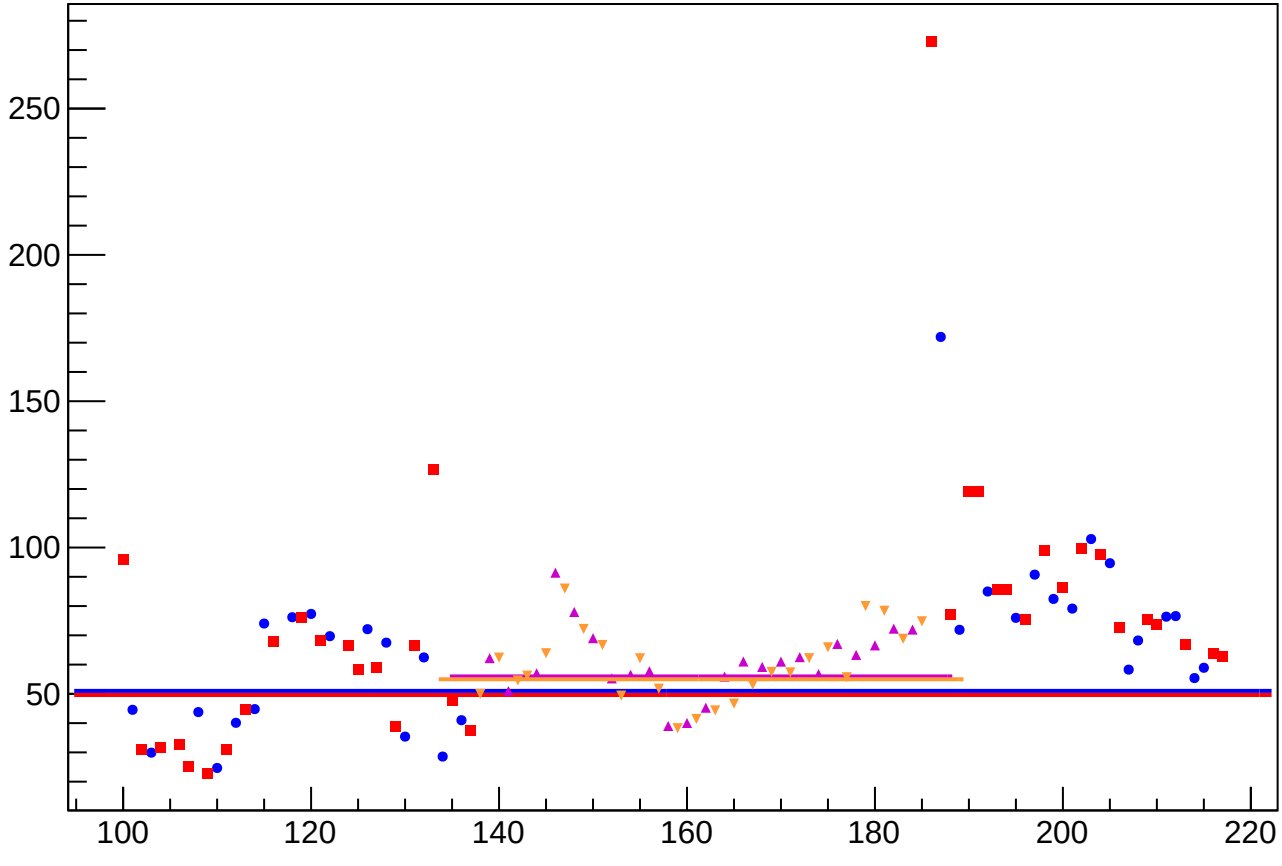
Right: 0.016+/-0.009 χ^2/NDF: 150.4/66

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.011+/-0.009 χ^2/NDF:127.3/60

All: 0.008+/-0.006 χ^2/NDF: 192.5/114

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 49.612+/-0.009 χ^2/NDF: 7779513.2/35

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

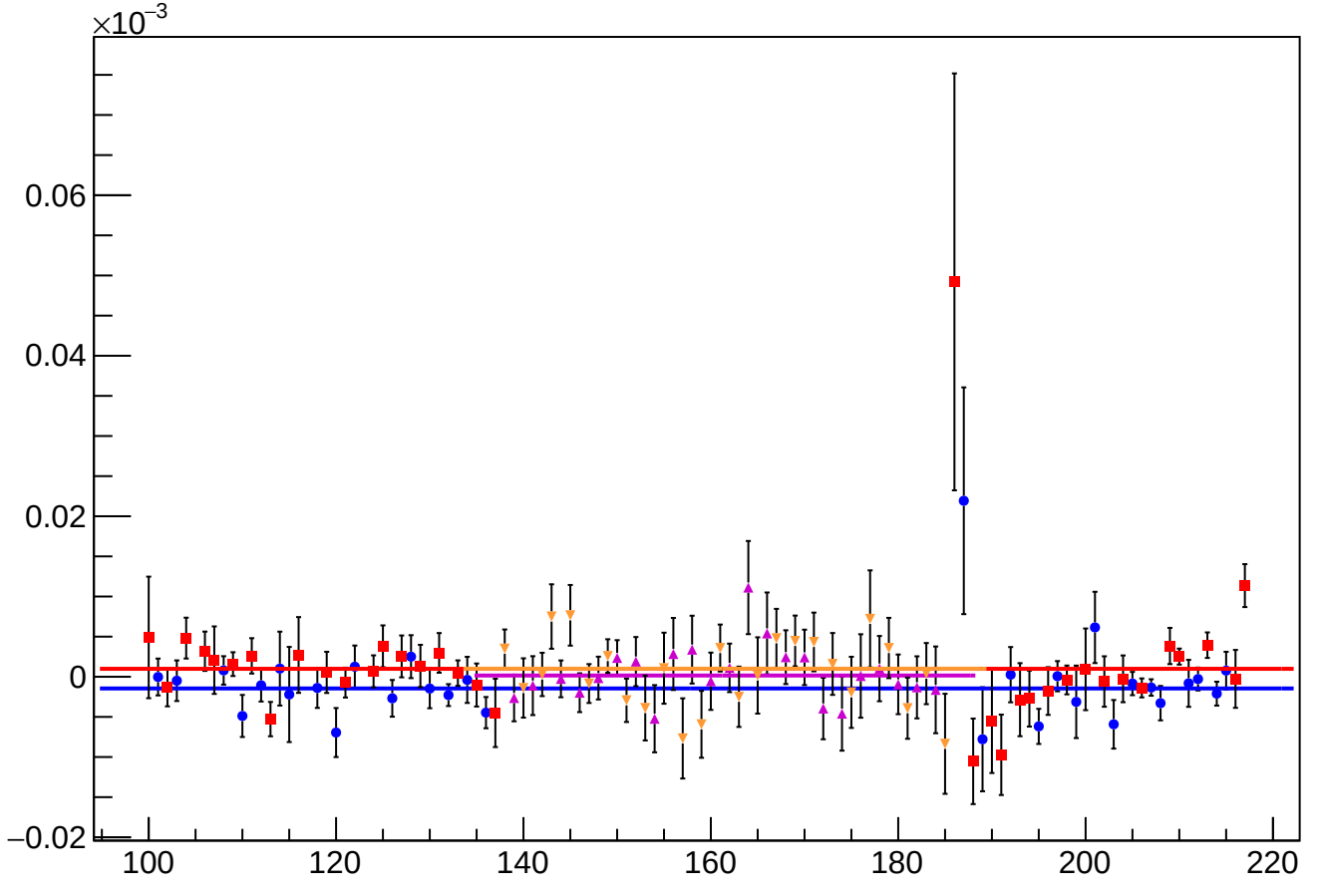
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 50.296+/-0.006 χ^2/NDF: 13221791.9/66

In: 53.364+/-0.007 χ^2/NDF:6976196.9/53

Out: 52.206+/-0.006 χ^2/NDF:9524472.5/60

All: 52.765+/-0.005 χ^2/NDF: 16516670.9/114



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: 63.2/35

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

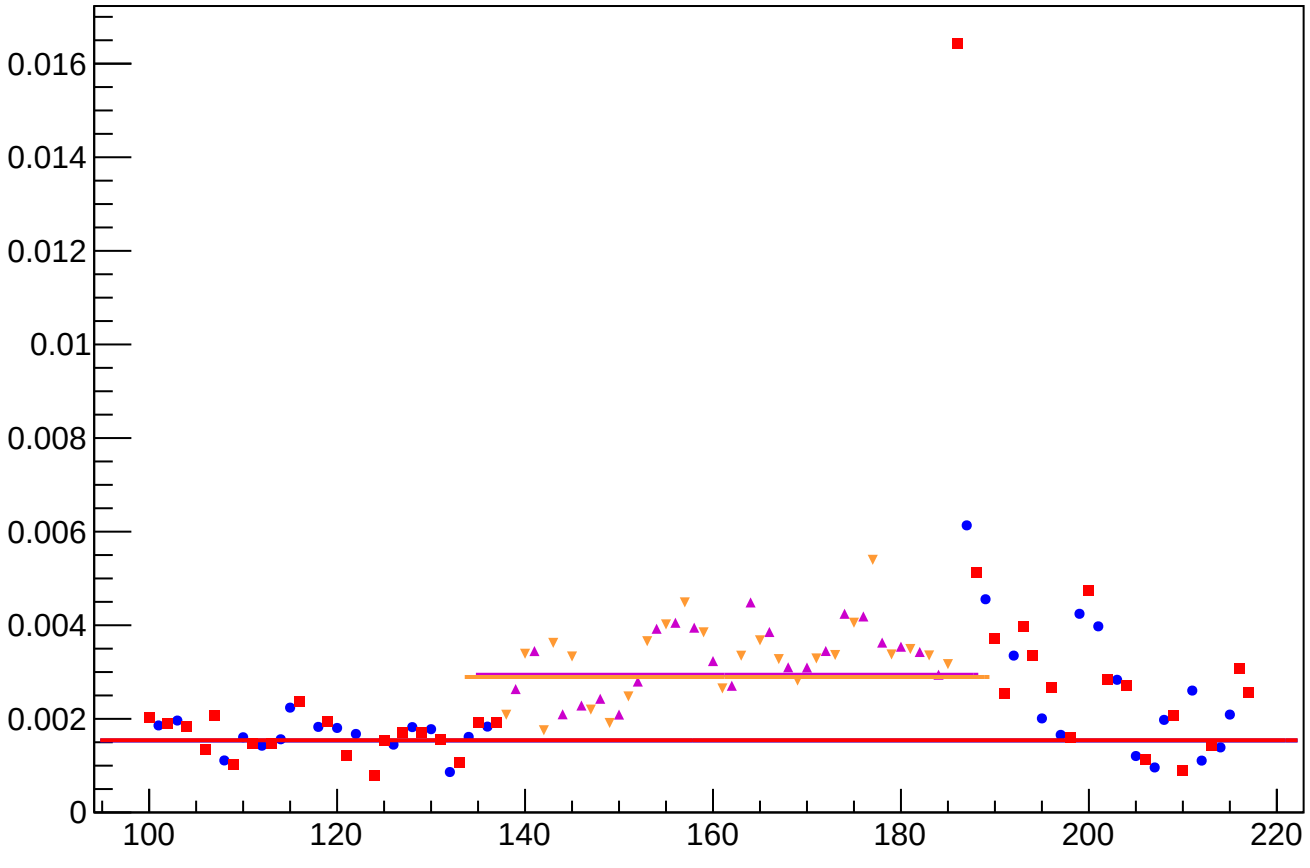
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 114.5/66

In: -0.000+/-0.000 χ^2/NDF:49.1/53

Out: 0.000+/-0.000 χ^2/NDF:91.7/60

All: -0.000+/-0.000 χ^2/NDF: 159.9/114



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: 7660797.5/35

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

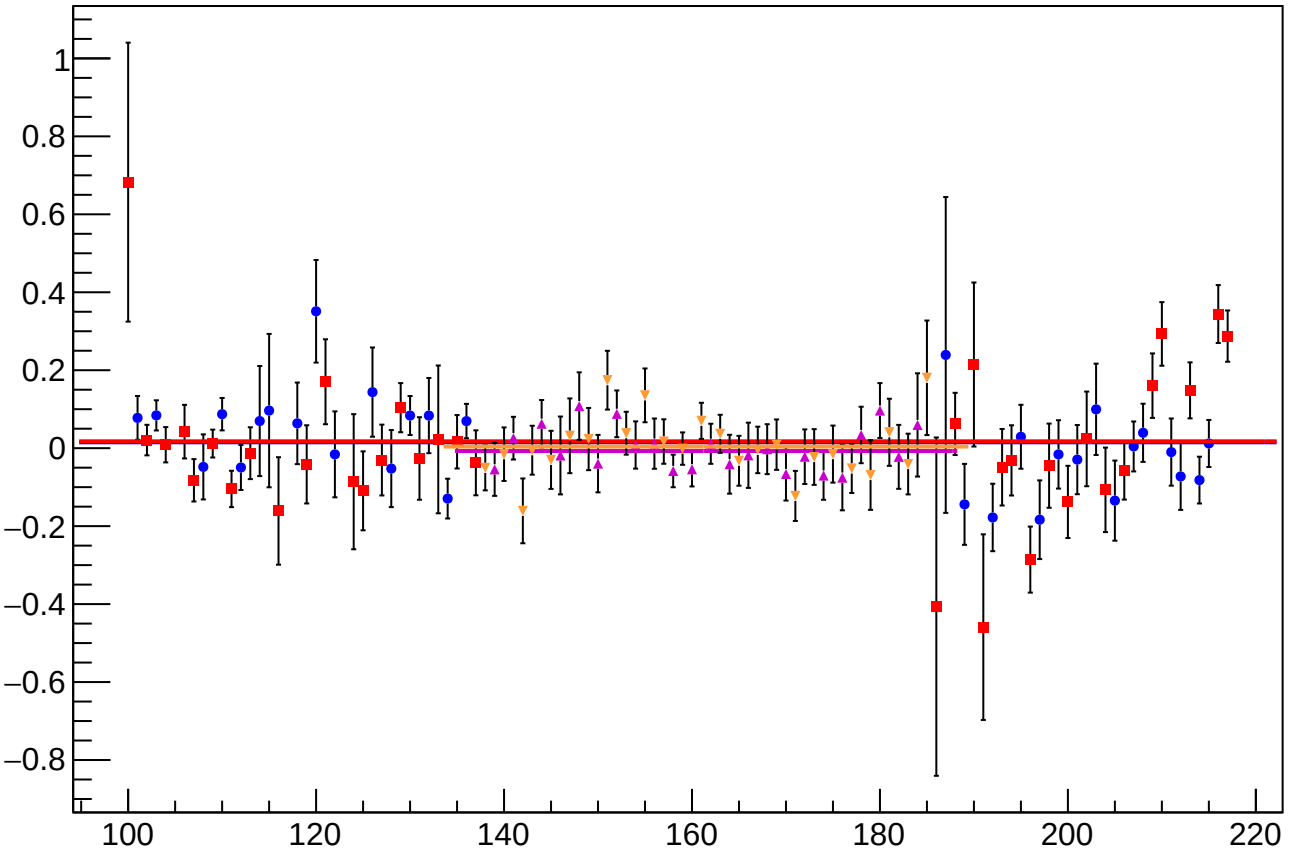
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 12927280.5/66

In: 0.002+/-0.000 χ^2/NDF:13192743.6/53

Out: 0.002+/-0.000 χ^2/NDF:16220297.2/60

All: 0.002+/-0.000 χ^2/NDF: 29413207.9/114



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: 0.018+/-0.013 χ^2/NDF: 101.9/35

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

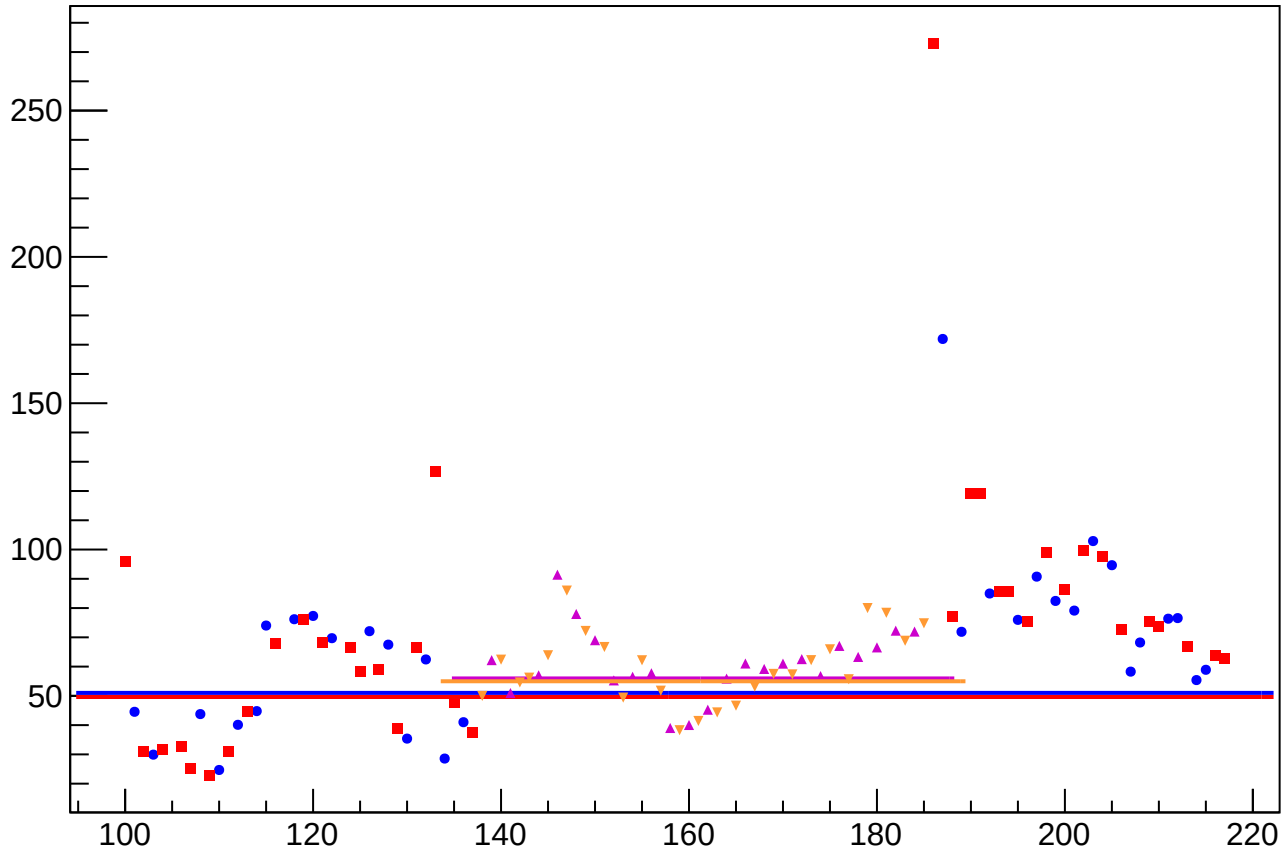
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.016+/-0.009 χ^2/NDF: 150.4/66

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.011+/-0.009 χ^2/NDF:127.3/60

All: 0.008+/-0.006 χ^2/NDF: 192.5/114



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: 49.611+/-0.009 χ^2/NDF: 7779543.5/35

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

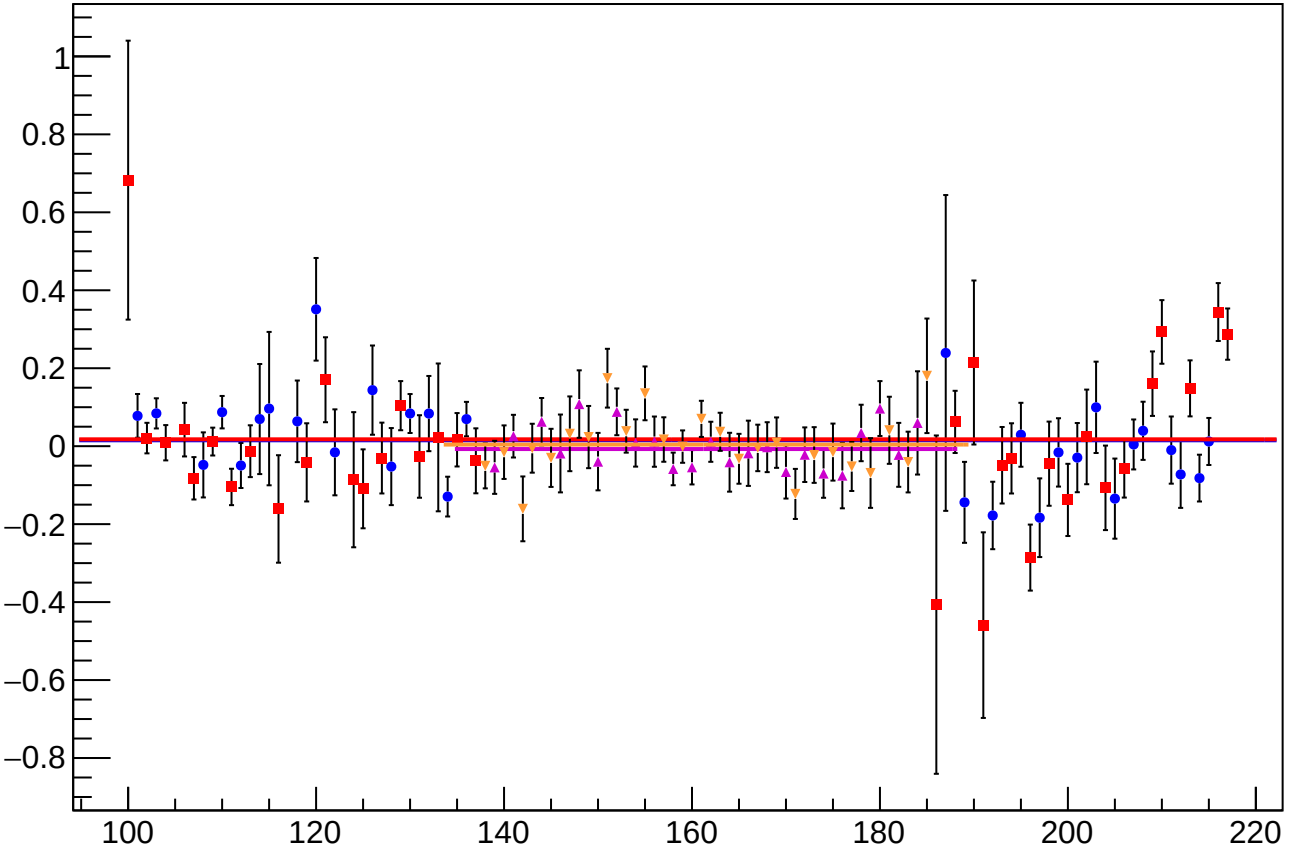
Right: 50.295+/-0.006 χ^2/NDF: 13221953.6/66

In: 53.363+/-0.007 χ^2/NDF:6976470.4/53

Out: 52.205+/-0.006 χ^2/NDF:9524582.9/60

All: 52.764+/-0.005 χ^2/NDF: 16517049.3/114

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: 0.018+/-0.013 χ^2/NDF: 101.9/35

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

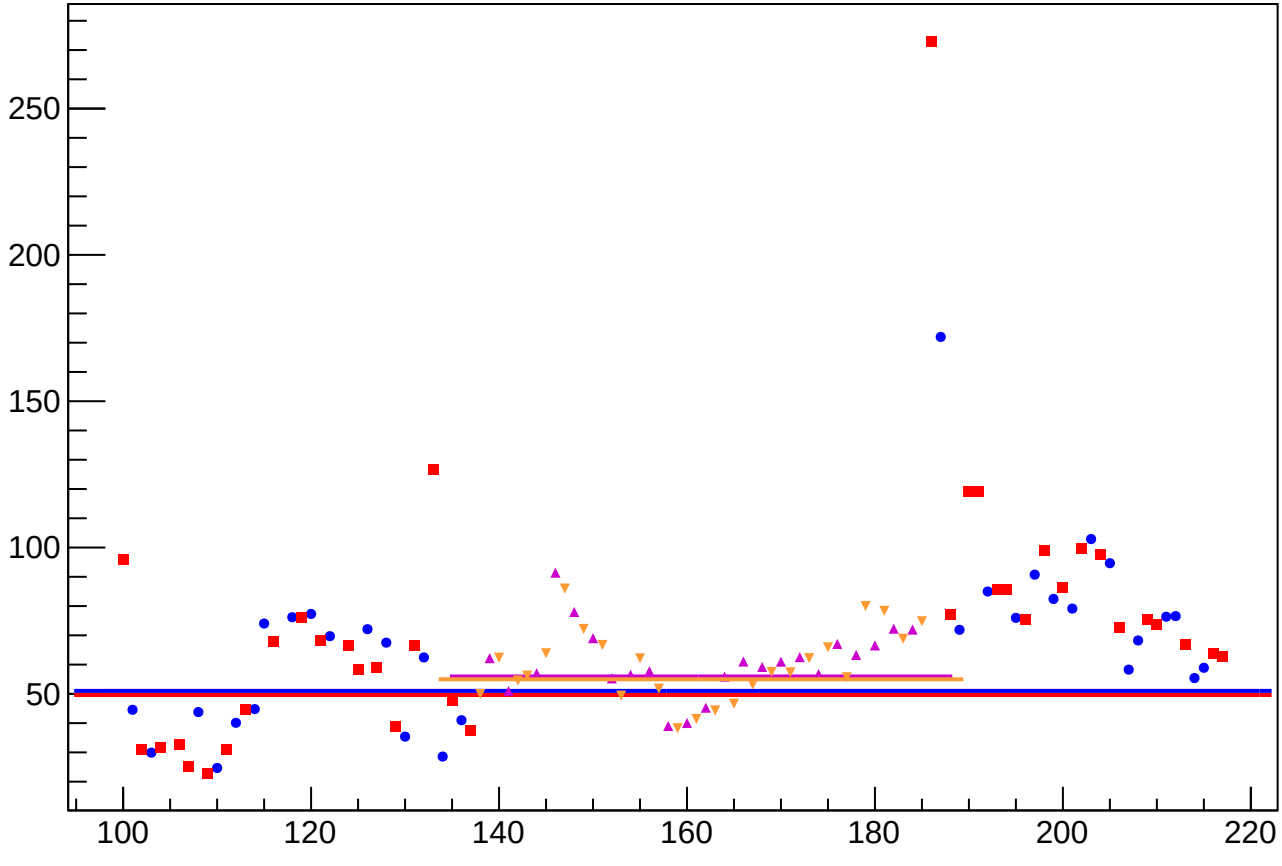
Right: 0.016+/-0.009 χ^2/NDF: 150.4/66

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.011+/-0.009 χ^2/NDF:127.3/60

All: 0.008+/-0.006 χ^2/NDF: 192.5/114

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.018+/-0.009 χ^2/NDF: 5430123.7/30

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 49.611+/-0.009 χ^2/NDF: 7779543.5/35

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

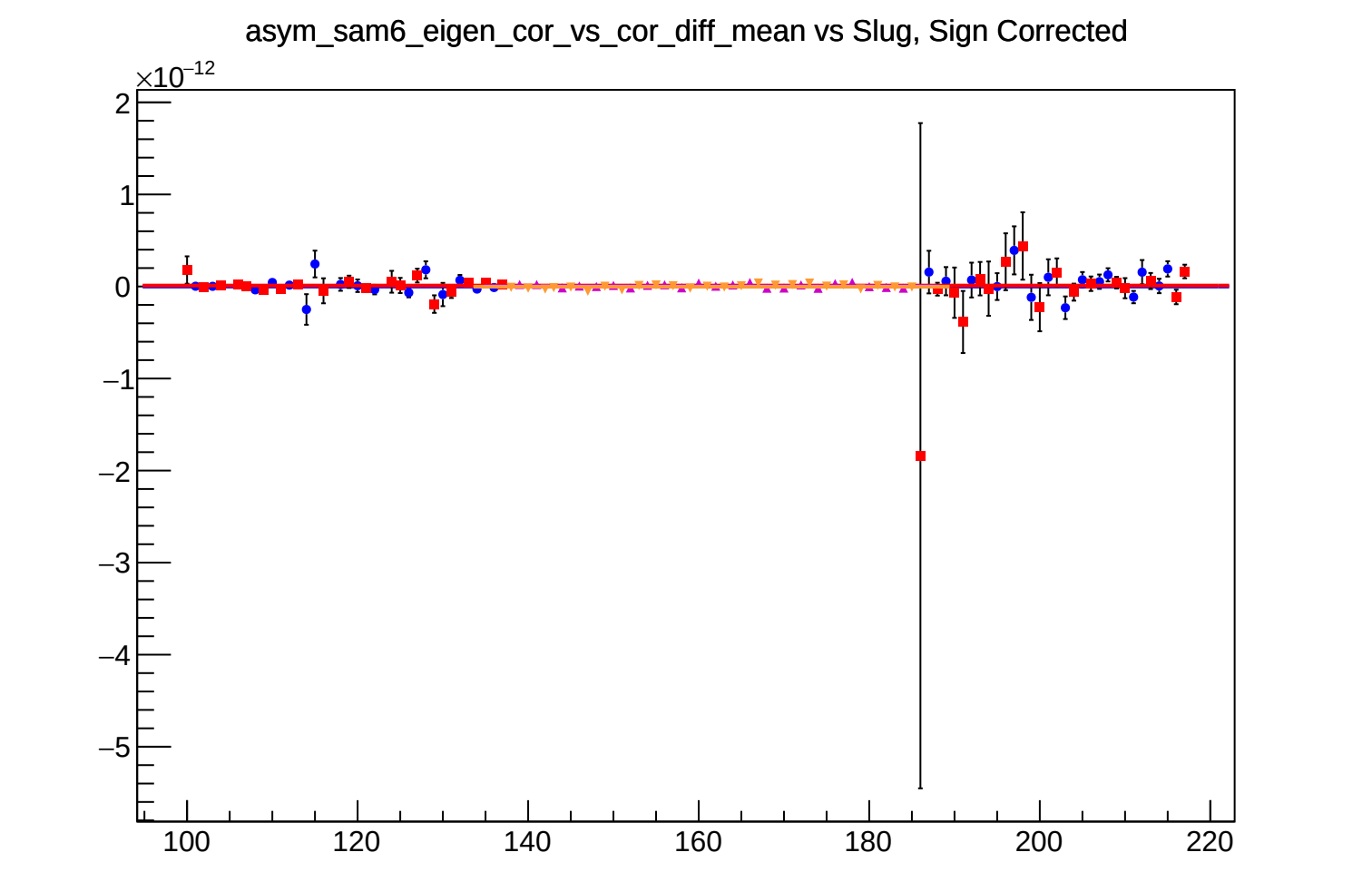
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 50.295+/-0.006 χ^2/NDF: 13221953.6/66

In: 53.363+/-0.007 χ^2/NDF:6976470.4/53

Out: 52.205+/-0.006 χ^2/NDF:9524582.9/60

All: 52.764+/-0.005 χ^2/NDF: 16517049.3/114



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: 29.7/35

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

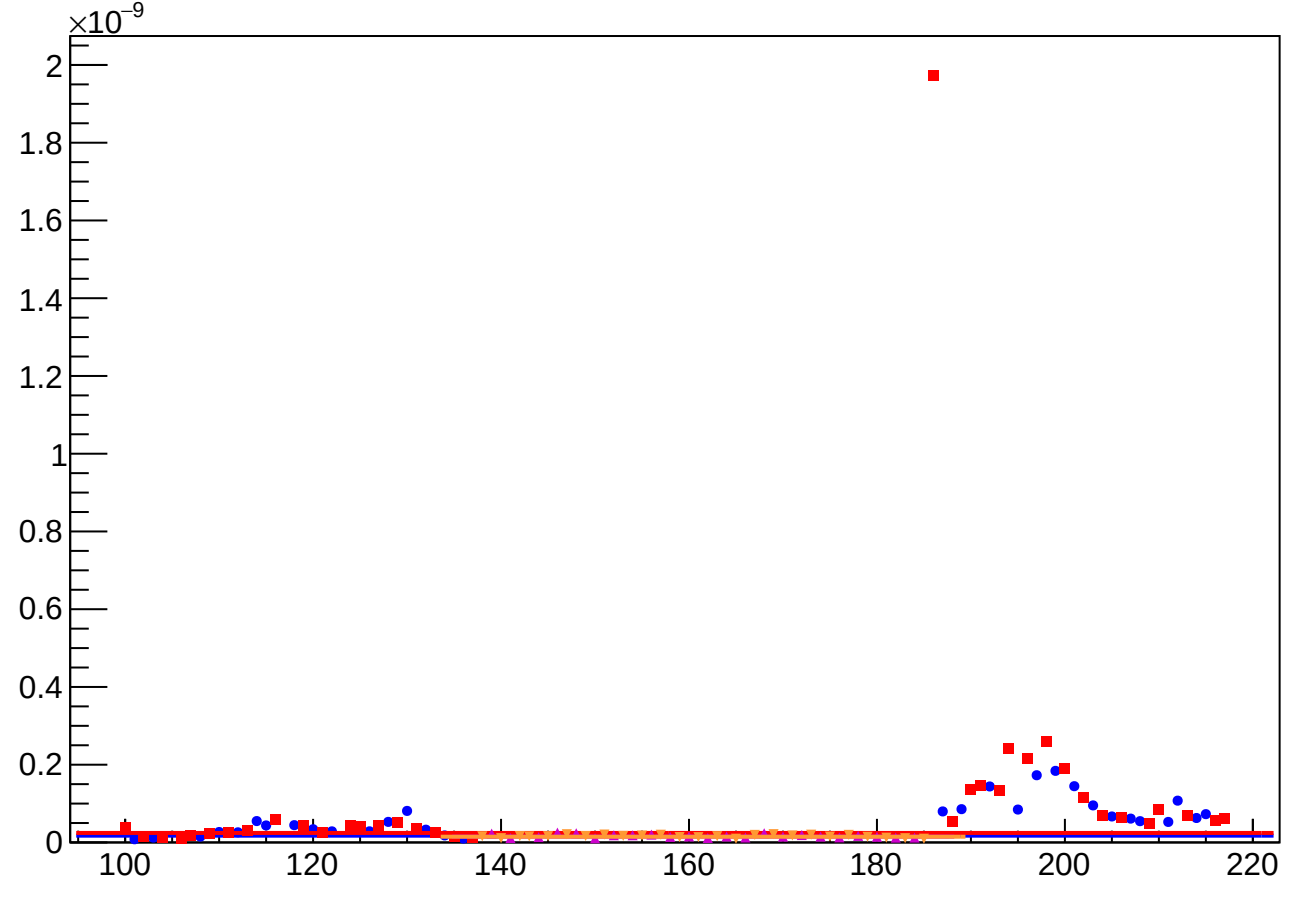
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 68.5/66

In: 0.000+/-0.000 χ^2/NDF:60.5/53

Out: -0.000+/-0.000 χ^2/NDF:50.8/60

All: 0.000+/-0.000 χ^2/NDF: 112.2/114



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: 12515763.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

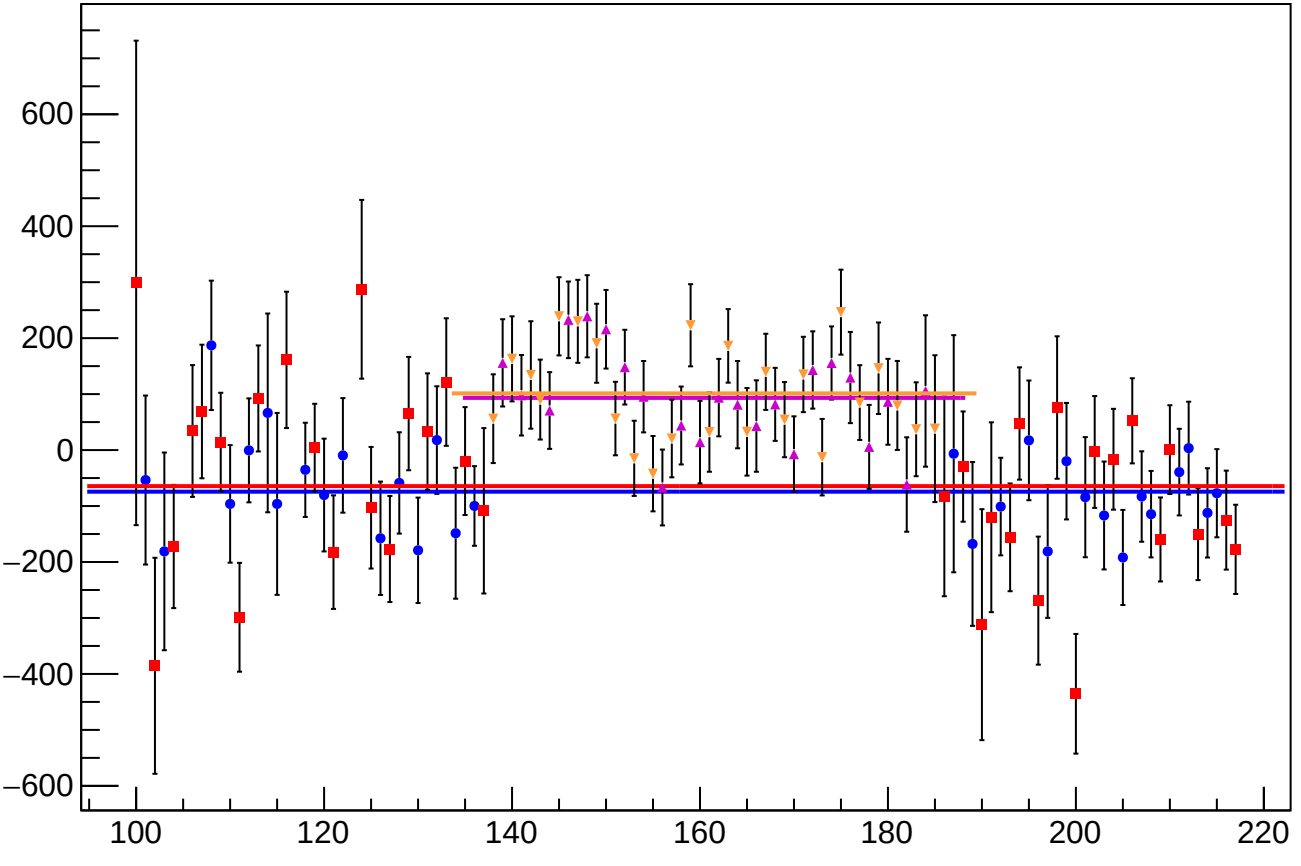
Right: 0.000+/-0.000 χ^2/NDF: 27133148.2/66

In: 0.000+/-0.000 χ^2/NDF:15434252.6/53

Out: 0.000+/-0.000 χ^2/NDF:15989439.0/60

All: 0.000+/-0.000 χ^2/NDF: 31487934.2/114

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: -64.430+/-17.204 χ^2/NDF: 62.3/35

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

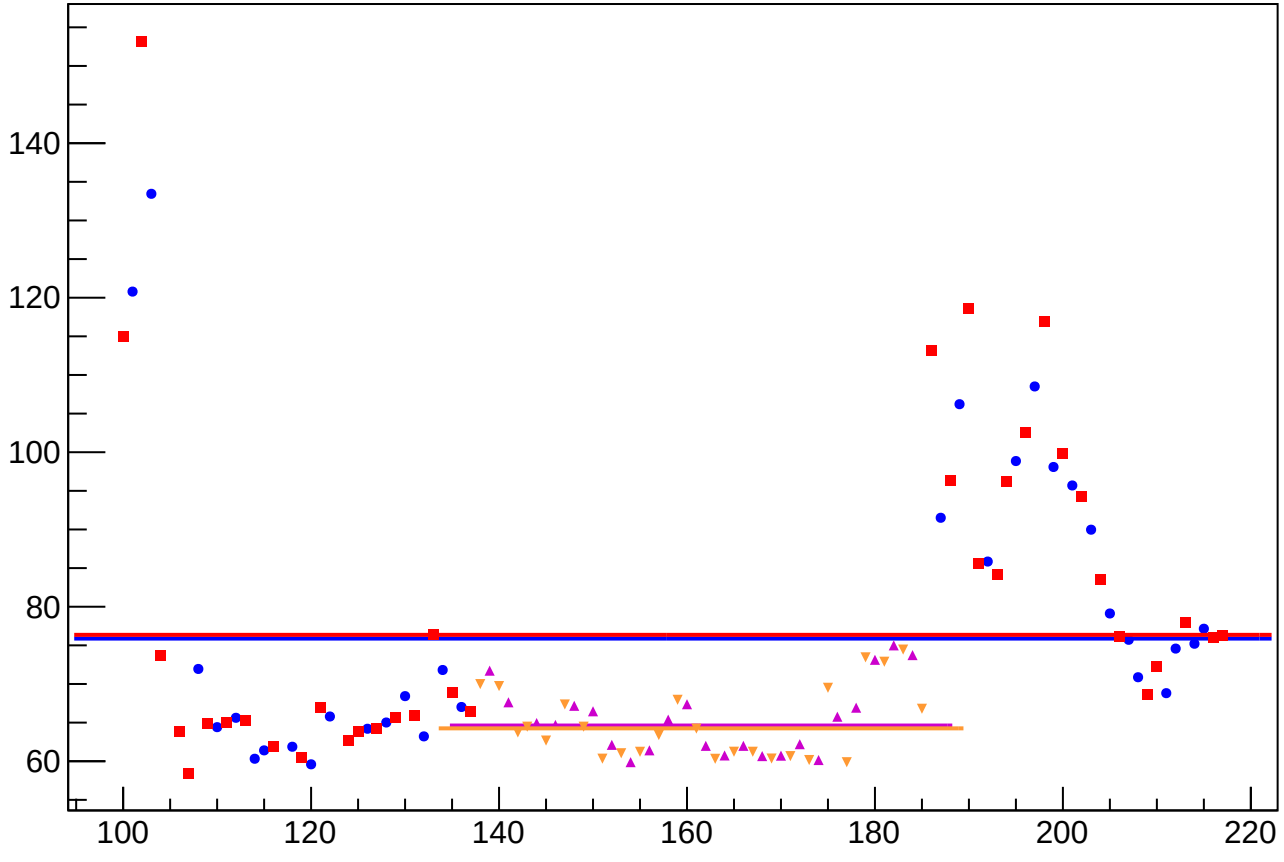
Right: -69.260+/-12.321 χ^2/NDF: 79.4/66

In: 22.233+/-11.491 χ^2/NDF:97.7/53

Out: 31.700+/-11.150 χ^2/NDF:150.0/60

All: 27.109+/-8.002 χ^2/NDF: 248.1/114

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: 76.360+/-0.012 χ^2/NDF: 1611886.1/35

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

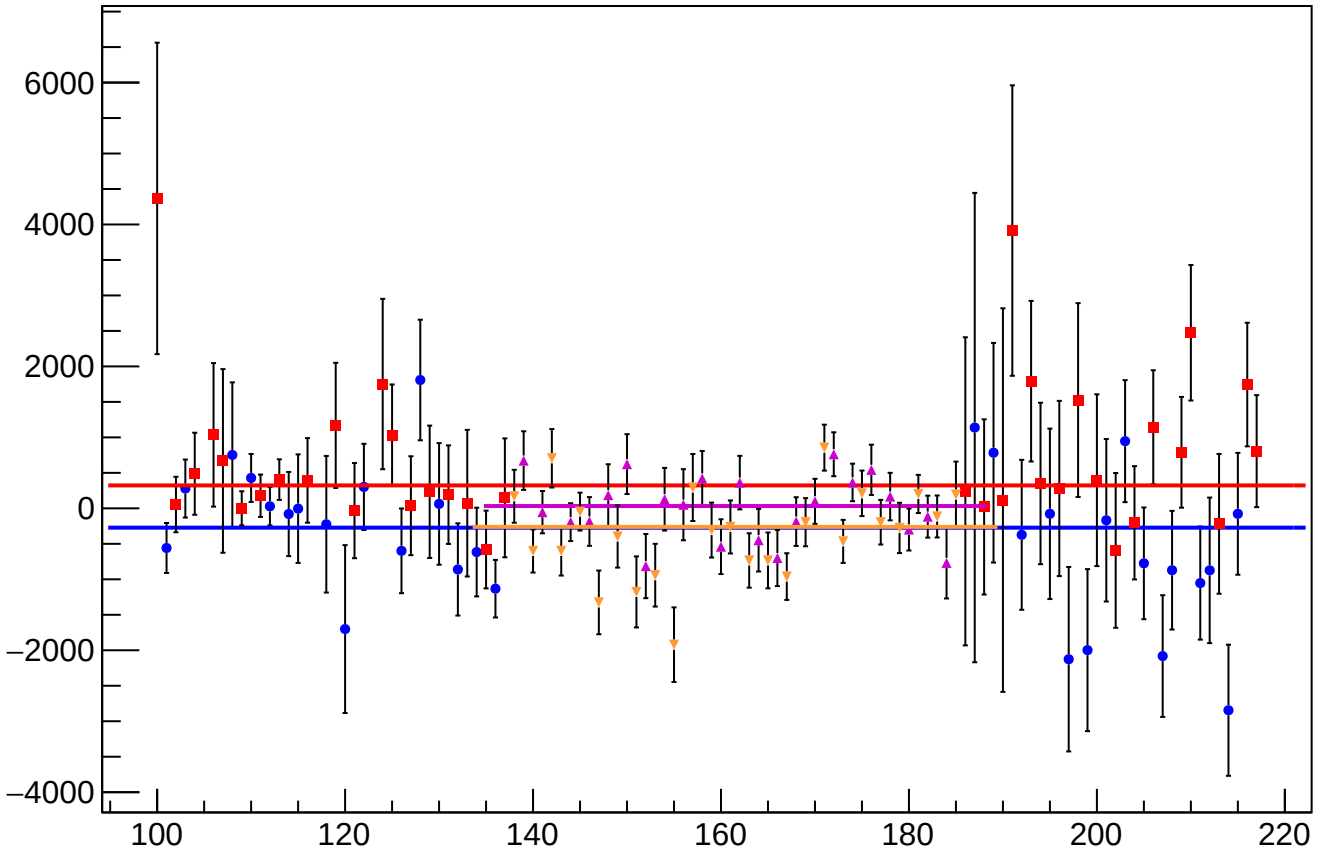
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.125+/-0.009 χ^2/NDF: 2944554.0/66

In: 69.390+/-0.008 χ^2/NDF:1947674.7/53

Out: 69.340+/-0.008 χ^2/NDF:2363740.8/60

All: 69.364+/-0.006 χ^2/NDF: 4311435.2/114



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: 323.115+/-106.959 χ^2/NDF: 29.9/35

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

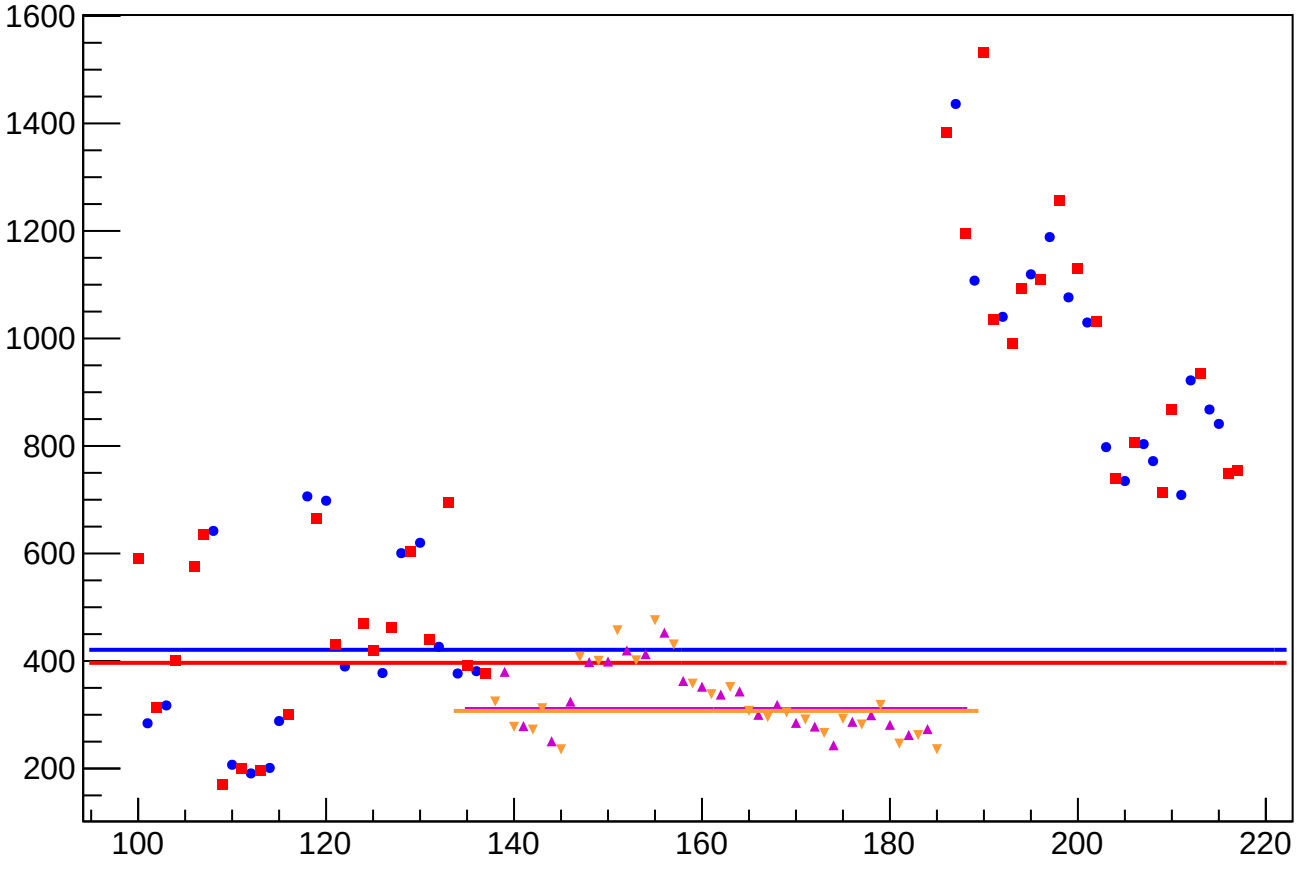
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 42.090+/-77.726 χ^2/NDF: 89.7/66

In: -58.613+/-61.835 χ^2/NDF:82.0/53

Out: -81.490+/-59.309 χ^2/NDF:109.3/60

All: -70.529+/-42.803 χ^2/NDF: 191.4/114



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: 396.584+/-0.076 χ^2/NDF: 13424177.1/35

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

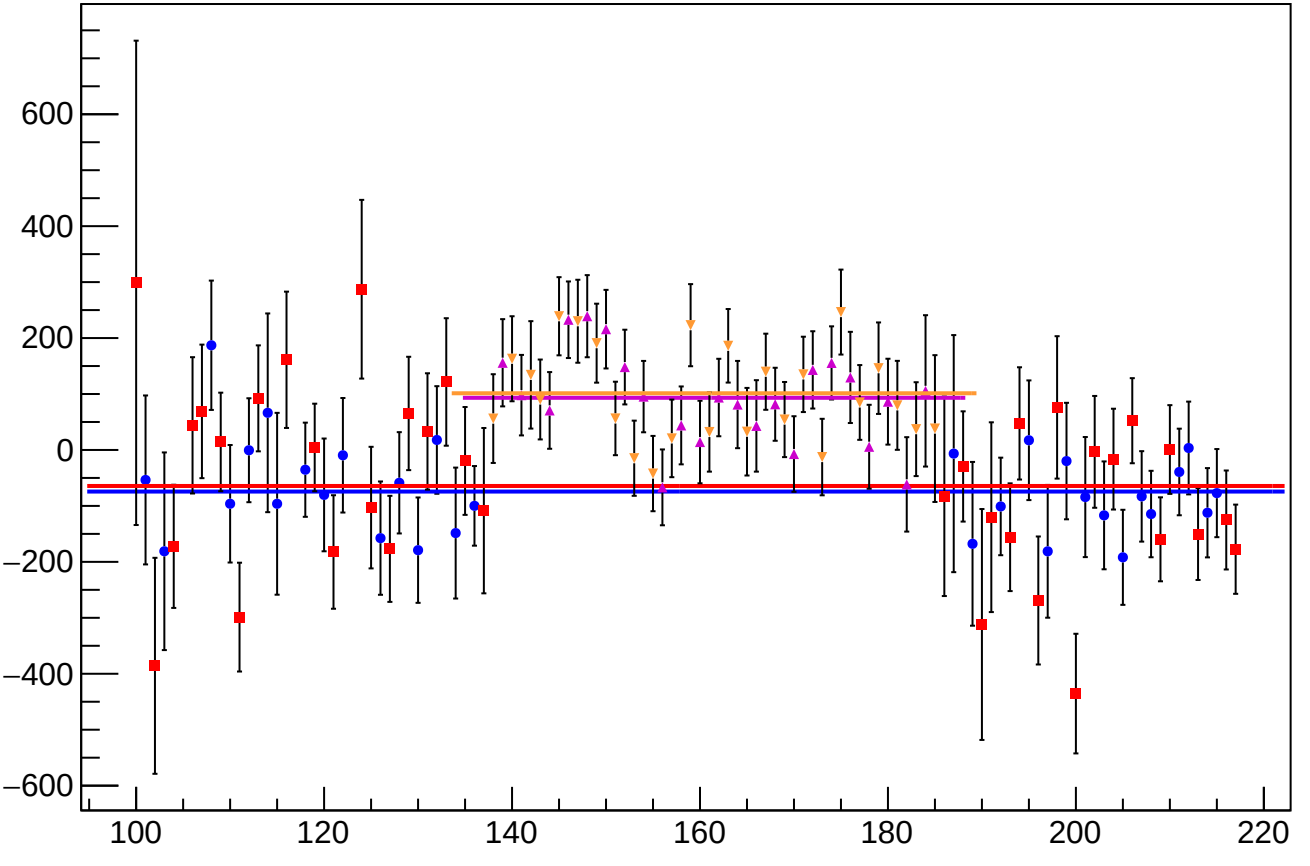
Right: 408.025+/-0.055 χ^2/NDF: 24117261.9/66

In: 343.590+/-0.044 χ^2/NDF:13052953.2/53

Out: 334.643+/-0.042 χ^2/NDF:15712846.9/60

All: 338.930+/-0.030 χ^2/NDF: 28787609.6/11

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: -64.369+/-17.216 χ^2/NDF: 62.4/35

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

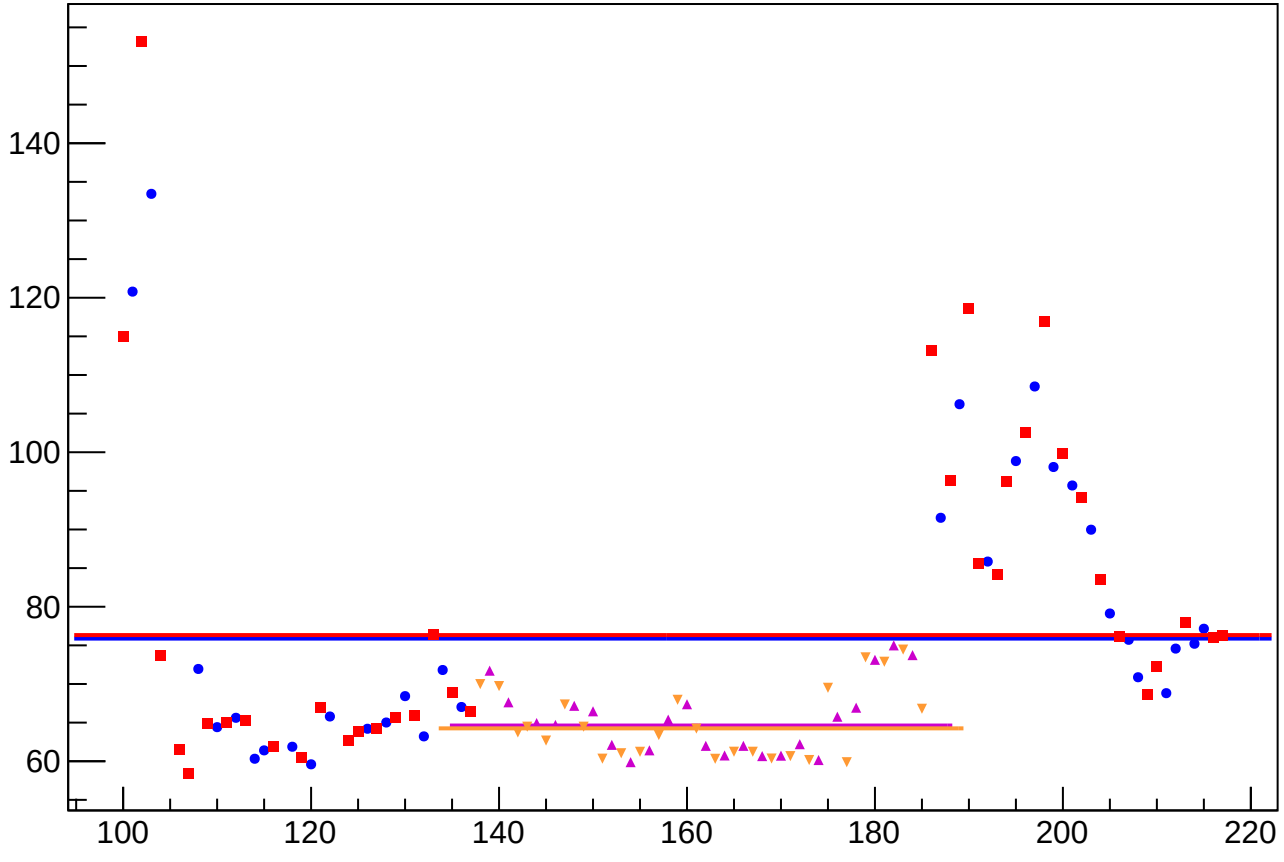
Right: -69.233+/-12.325 χ^2/NDF: 79.5/66

In: 22.231+/-11.491 χ^2/NDF:97.7/53

Out: 31.782+/-11.154 χ^2/NDF:150.0/60

All: 27.149+/-8.003 χ^2/NDF: 248.1/114

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: 76.330+/-0.012 χ^2/NDF: 1619109.5/35

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

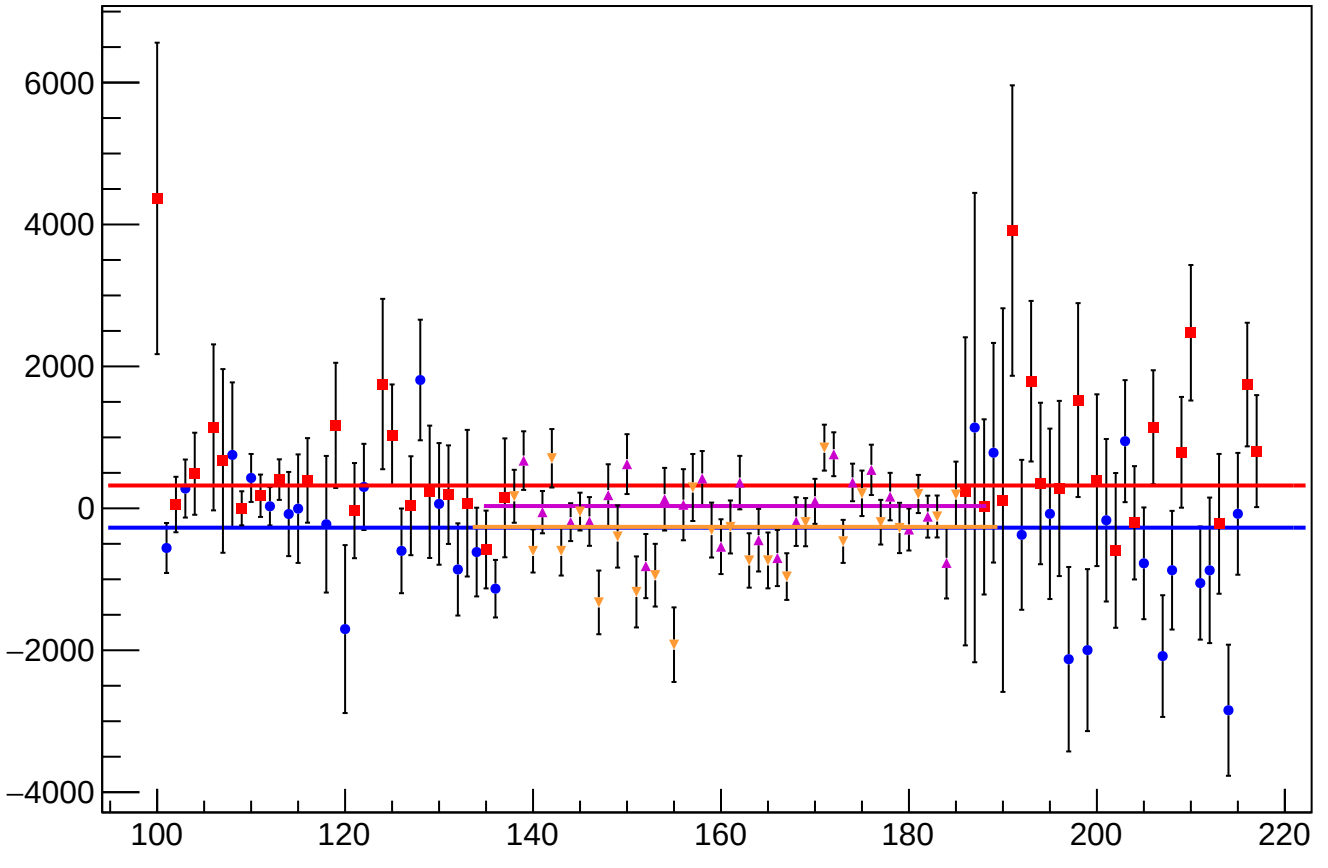
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.109+/-0.009 χ^2/NDF: 2951685.9/66

In: 69.390+/-0.008 χ^2/NDF:1947675.0/53

Out: 69.323+/-0.008 χ^2/NDF:2367686.7/60

All: 69.356+/-0.006 χ^2/NDF: 4315396.5/114



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: 322.002+/-107.114 χ^2/NDF: 29.8/35

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

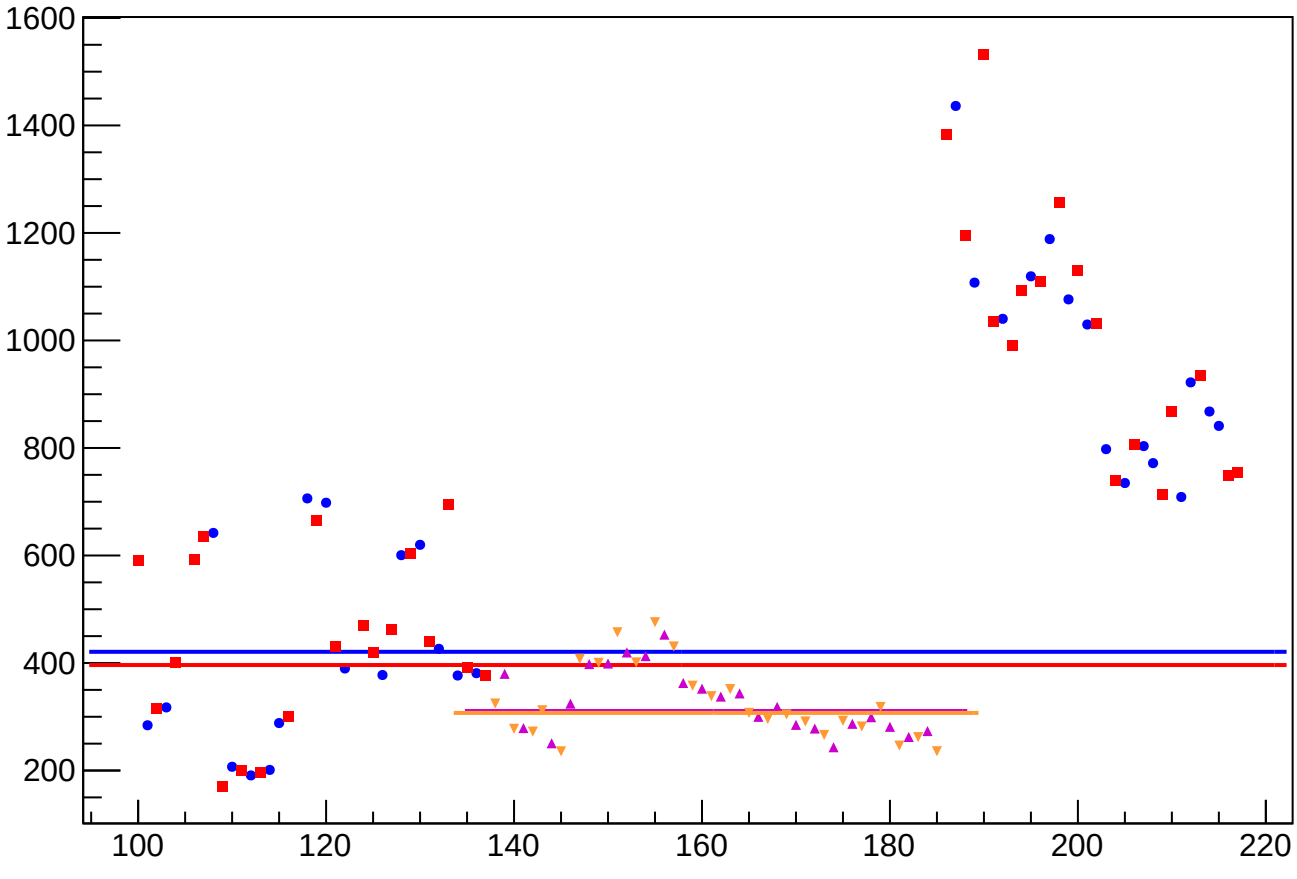
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 41.076+/-77.786 χ^2/NDF: 89.6/66

In: -58.614+/-61.835 χ^2/NDF:82.0/53

Out: -82.192+/-59.335 χ^2/NDF:109.2/60

All: -70.890+/-42.813 χ^2/NDF: 191.3/114



Right In: 420.829+/-0.080 χ^2/NDF: 10644530.6/30

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 396.246+/-0.076 χ^2/NDF: 13417841.6/35

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

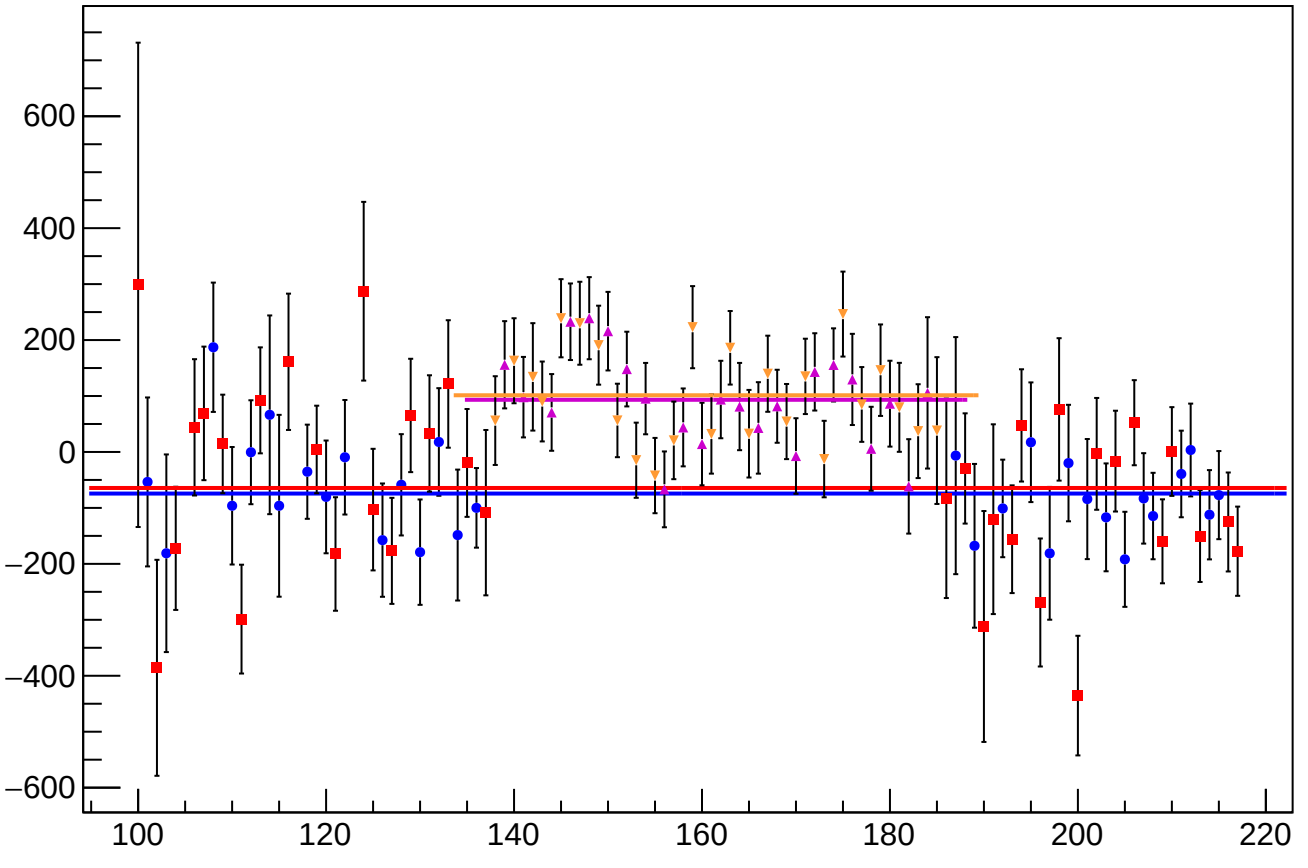
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 407.865+/-0.055 χ^2/NDF: 24112161.7/66

In: 343.591+/-0.044 χ^2/NDF:13052938.6/53

Out: 334.484+/-0.042 χ^2/NDF:15697270.1/60

All: 338.850+/-0.030 χ^2/NDF: 28772793.9/11



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: -64.369+/-17.216 χ^2/NDF: 62.4/35

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

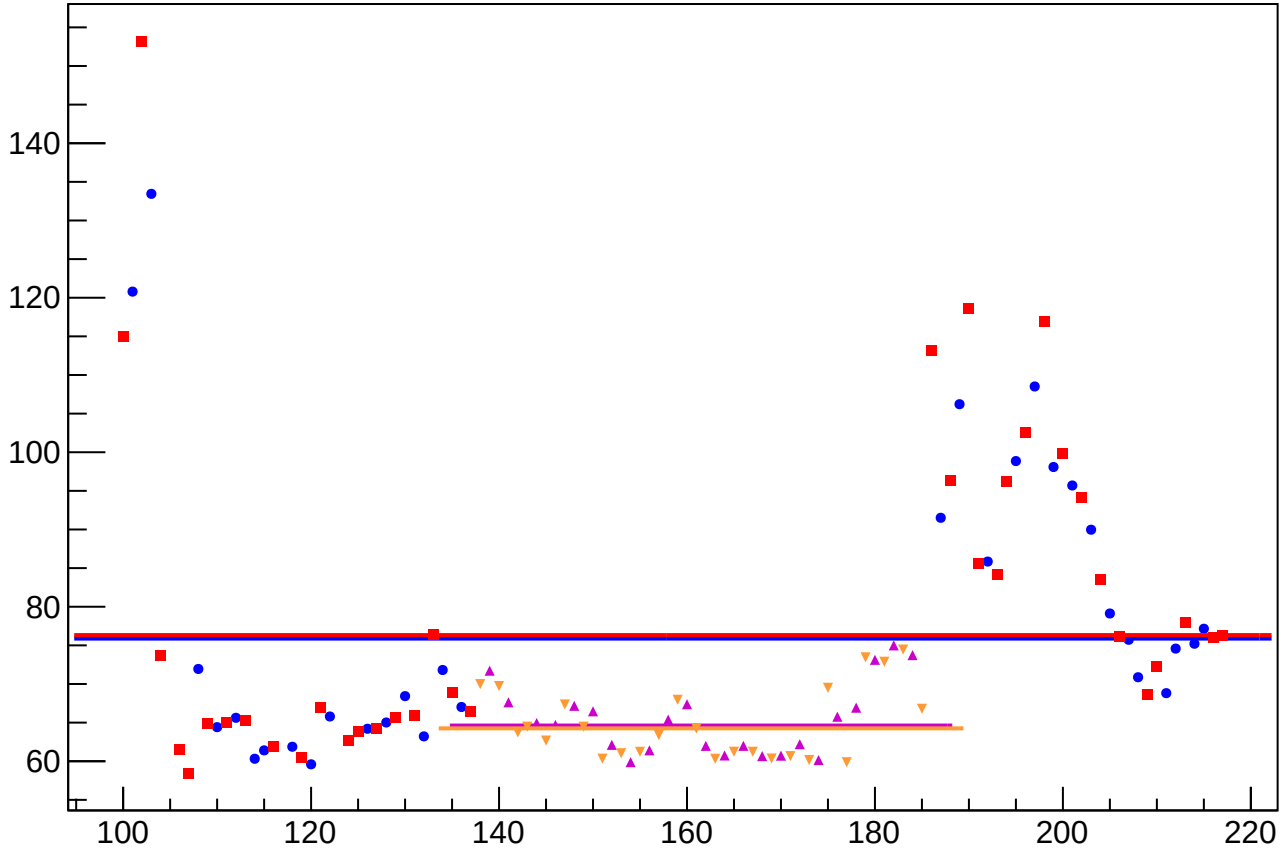
Right: -69.233+/-12.325 χ^2/NDF: 79.5/66

In: 22.231+/-11.491 χ^2/NDF:97.7/53

Out: 31.782+/-11.154 χ^2/NDF:150.0/60

All: 27.149+/-8.003 χ^2/NDF: 248.1/114

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: 76.330+/-0.012 χ^2/NDF: 1619109.5/35

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

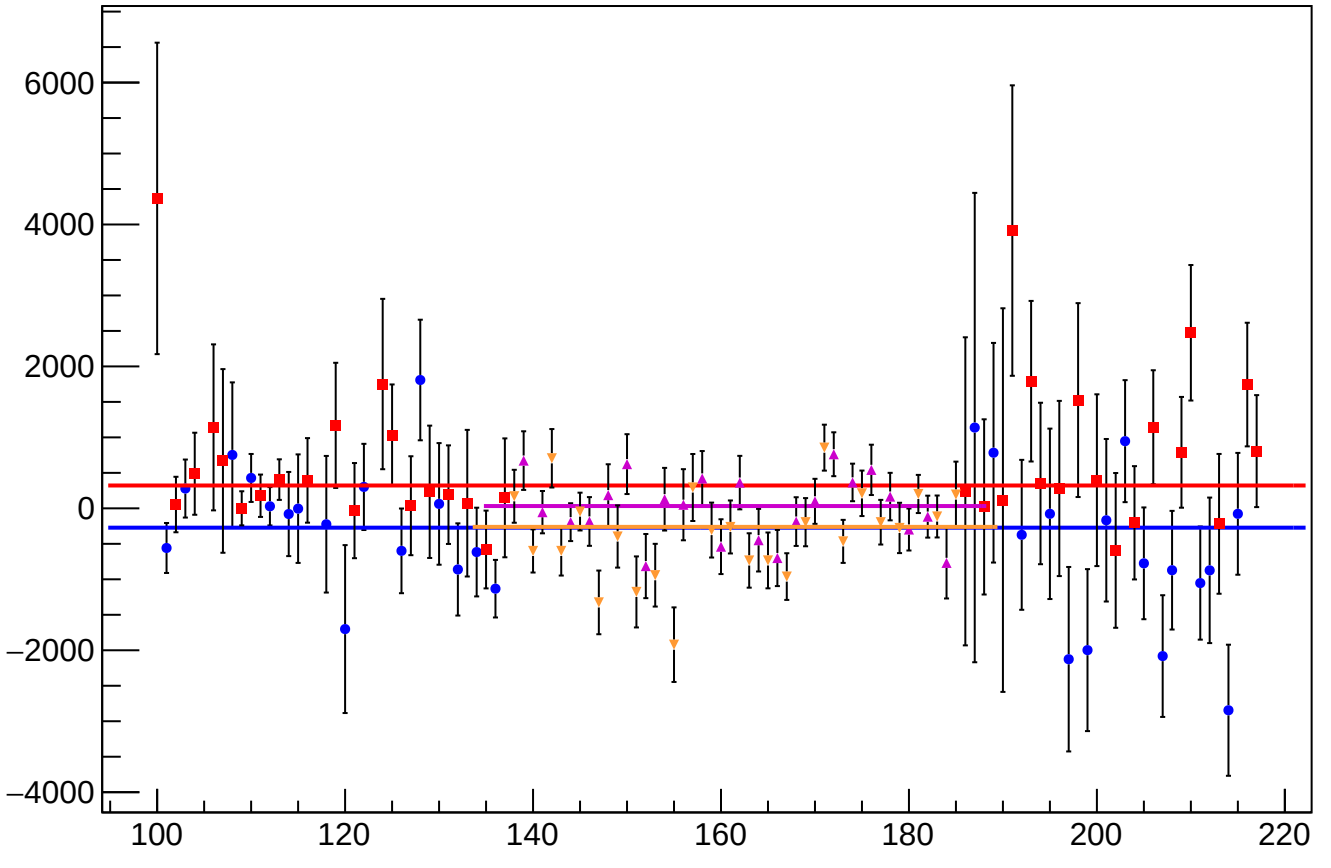
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.109+/-0.009 χ^2/NDF: 2951685.9/66

In: 69.390+/-0.008 χ^2/NDF:1947675.0/53

Out: 69.323+/-0.008 χ^2/NDF:2367686.7/60

All: 69.356+/-0.006 χ^2/NDF: 4315396.5/114



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: 322.002+/-107.114 χ^2/NDF: 29.8/35

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

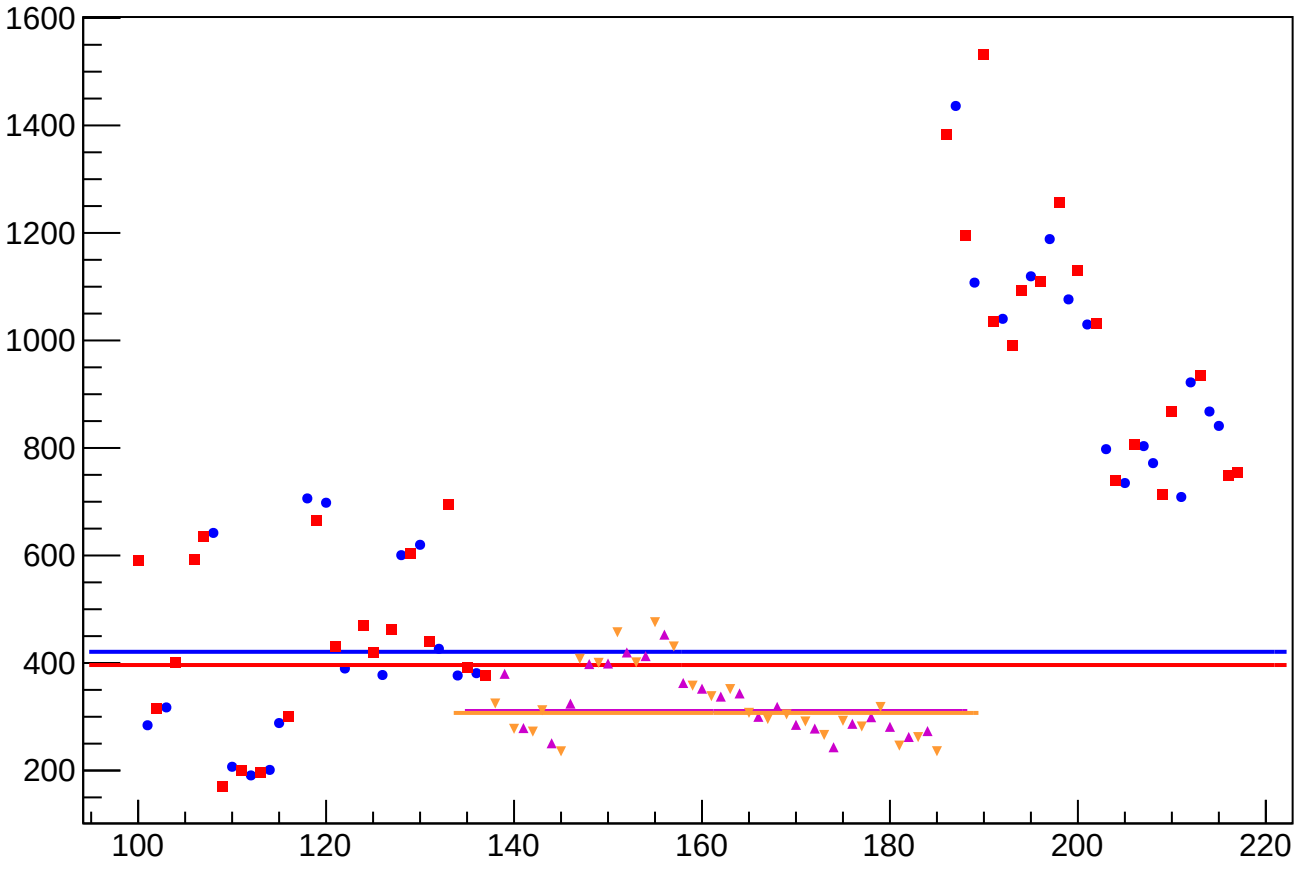
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 41.076+/-77.786 χ^2/NDF: 89.6/66

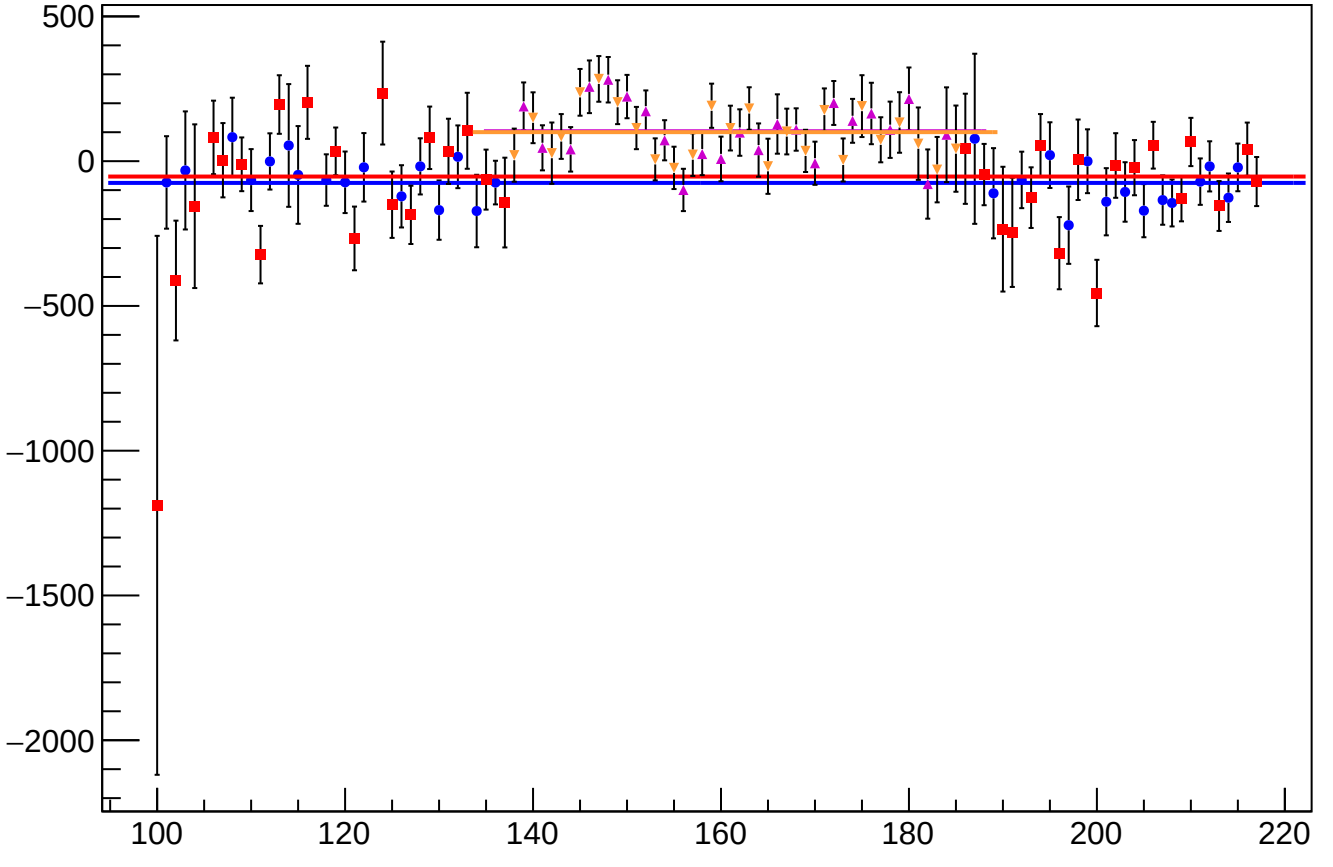
In: -58.614+/-61.835 χ^2/NDF:82.0/53

Out: -82.192+/-59.335 χ^2/NDF:109.2/60

All: -70.890+/-42.813 χ^2/NDF: 191.3/114


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: 396.246+/-0.076 χ²/NDF: 13417841.6/35
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 407.865+/-0.055 χ²/NDF: 24112161.7/66
In: 343.591+/-0.044 χ²/NDF:13052938.6/53
Out: 334.484+/-0.042 χ²/NDF:15697270.1/60
All: 338.850+/-0.030 χ²/NDF: 28772793.9/1

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.066+/-18.903 χ^2/NDF: 11.9/30

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -53.094+/-18.522 χ^2/NDF: 65.7/35

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

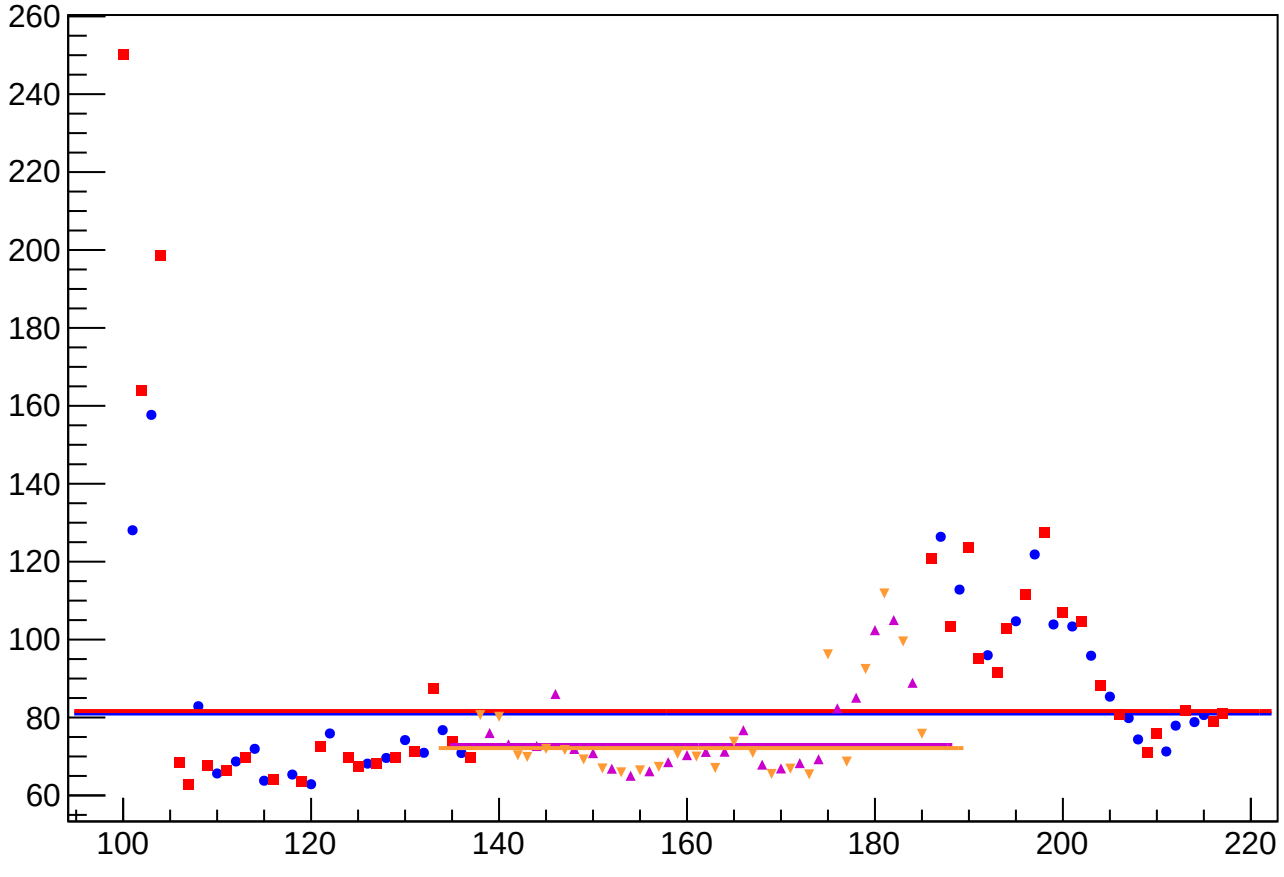
Right: -63.856+/-13.230 χ^2/NDF: 78.3/66

In: 22.238+/-12.746 χ^2/NDF:93.2/53

Out: 31.843+/-12.372 χ^2/NDF:131.4/60

All: 27.184+/-8.878 χ^2/NDF: 224.9/114

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: 81.655+/-0.013 χ^2/NDF: 2128859.9/35

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

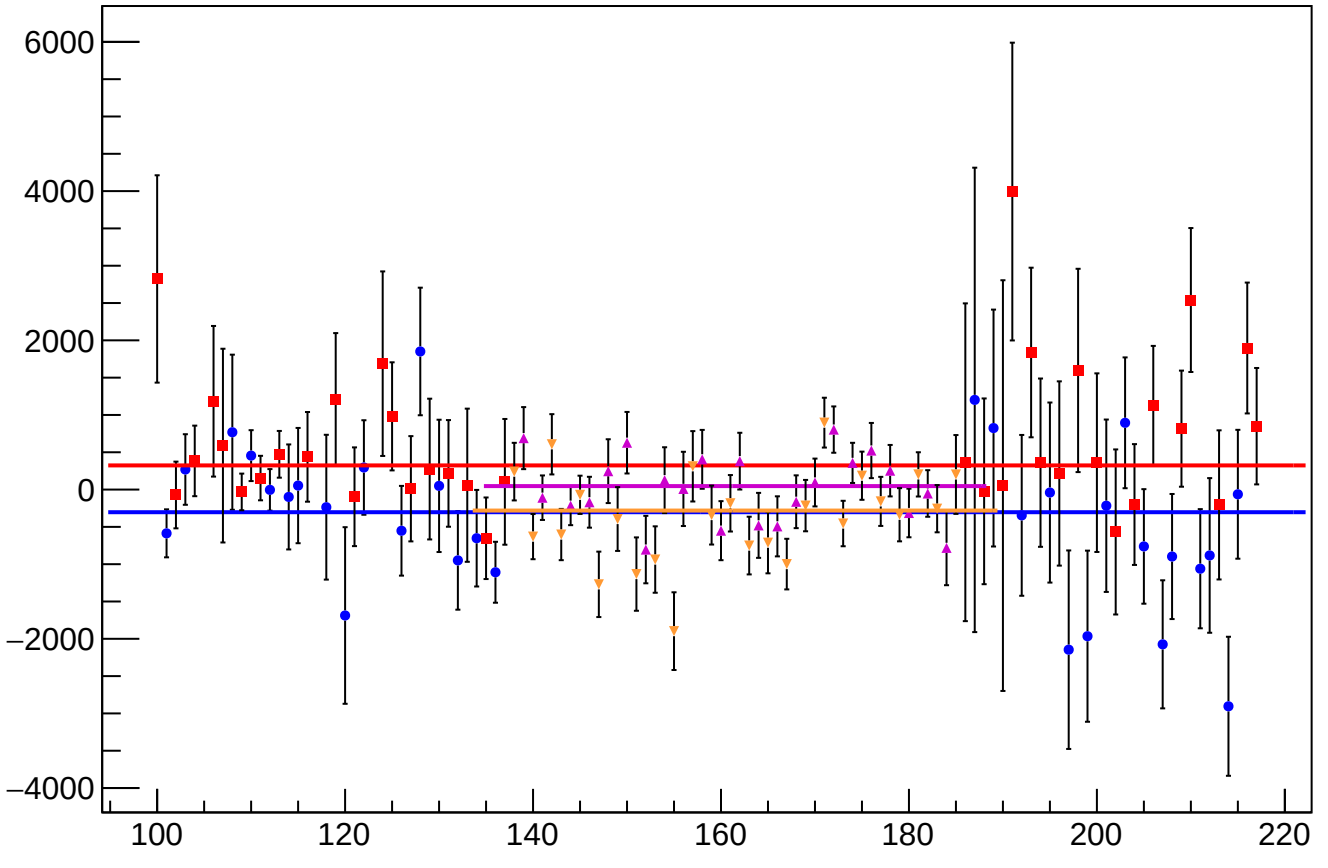
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.347+/-0.009 χ^2/NDF: 3635393.5/66

In: 76.621+/-0.009 χ^2/NDF:2213607.2/53

Out: 76.391+/-0.009 χ^2/NDF:3062534.6/60

All: 76.502+/-0.006 χ^2/NDF: 5276477.7/114



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: 323.774+/-108.743 χ^2/NDF: 32.3/35

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

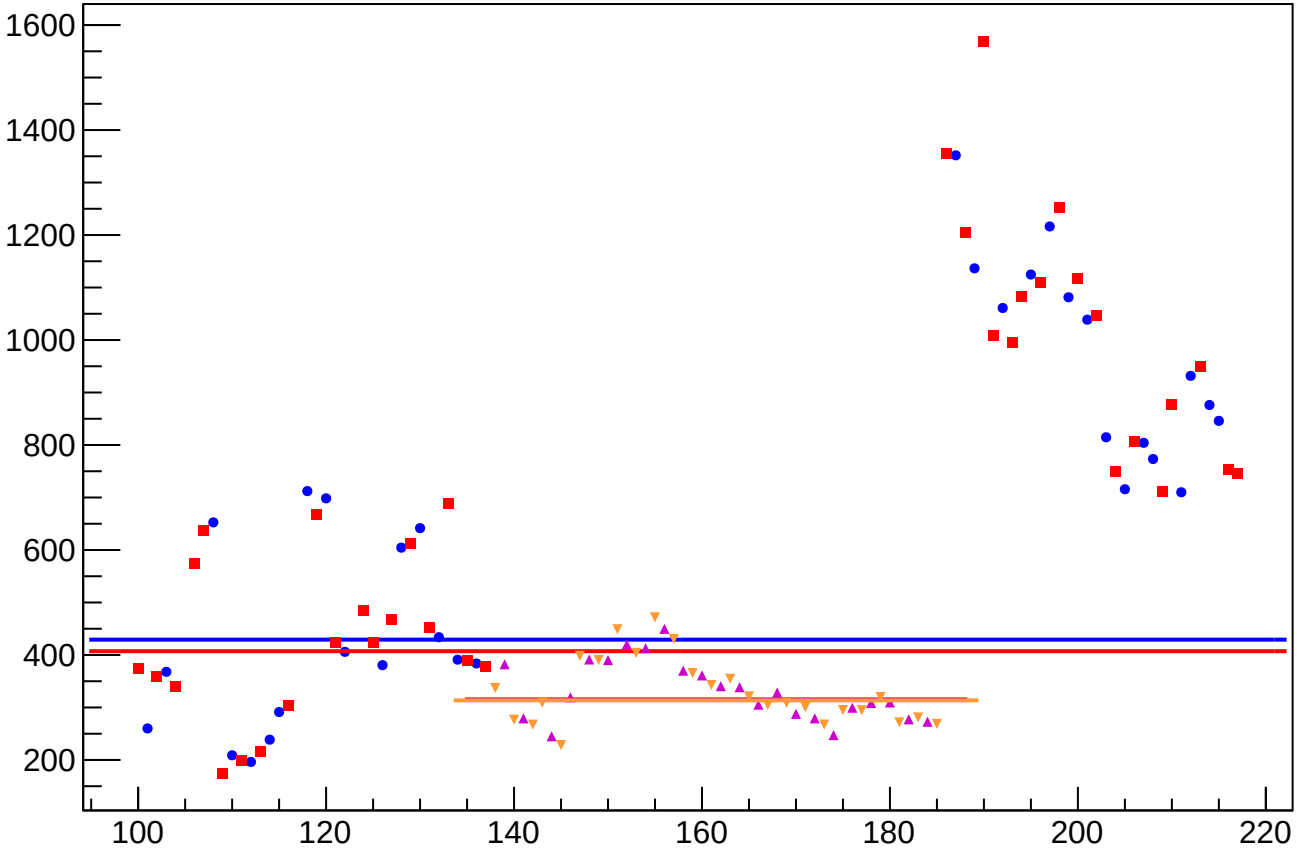
Right: 27.903+/-79.037 χ^2/NDF: 92.7/66

In: -57.577+/-62.773 χ^2/NDF:81.9/53

Out: -94.906+/-60.344 χ^2/NDF:110.5/60

All: -76.978+/-43.503 χ^2/NDF: 192.6/114

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 429.242+/-0.081 χ^2/NDF: 10501879.5/30

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 407.210+/-0.077 χ^2/NDF: 12934177.2/35

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

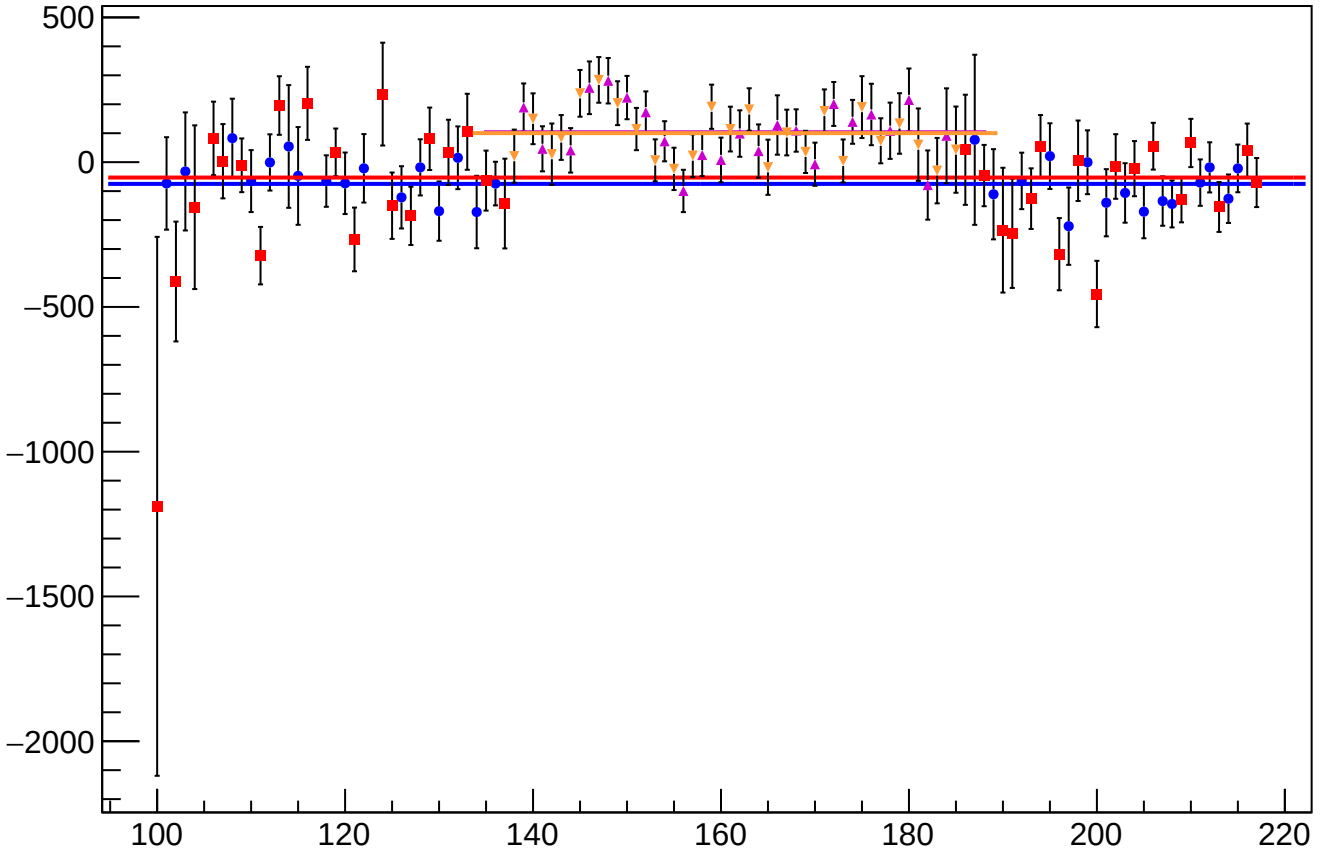
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 417.603+/-0.056 χ^2/NDF: 23474788.4/66

In: 349.314+/-0.044 χ^2/NDF:12884002.9/53

Out: 342.357+/-0.043 χ^2/NDF:15137572.6/60

All: 345.698+/-0.031 χ^2/NDF: 28034341.2/11



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: -53.096+/-18.522 χ^2/NDF: 65.7/35

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

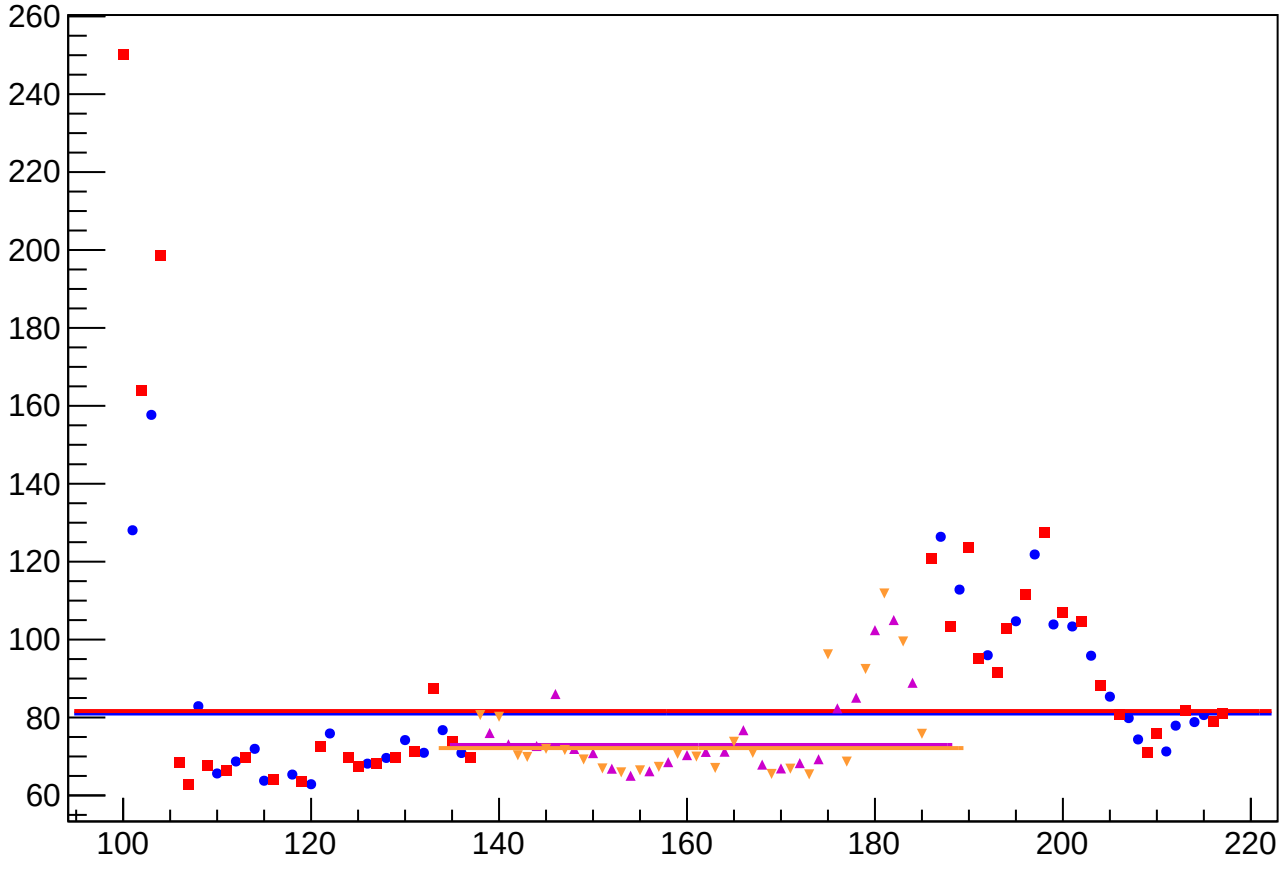
Right: -63.856+/-13.230 χ^2/NDF: 78.3/66

In: 22.238+/-12.746 χ^2/NDF:93.2/53

Out: 31.842+/-12.372 χ^2/NDF:131.4/60

All: 27.183+/-8.878 χ^2/NDF: 224.9/114

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: 81.655+/-0.013 χ^2/NDF: 2128861.4/35

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

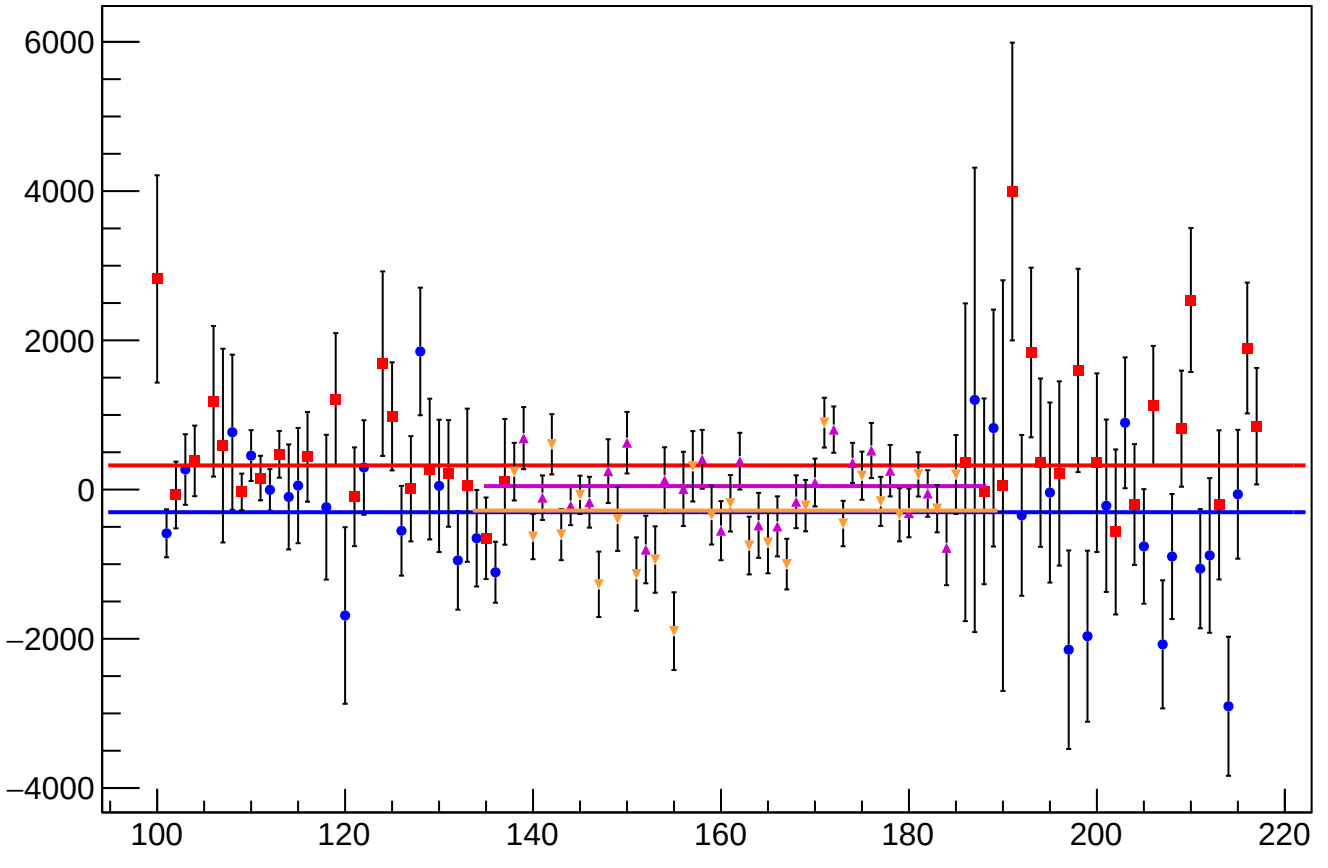
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 81.347+/-0.009 χ^2/NDF: 3635401.7/66

In: 76.621+/-0.009 χ^2/NDF:2213610.7/53

Out: 76.391+/-0.009 χ^2/NDF:3062527.9/60

All: 76.502+/-0.006 χ^2/NDF: 5276474.6/114



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: 323.772+/-108.742 χ^2/NDF: 32.3/35

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

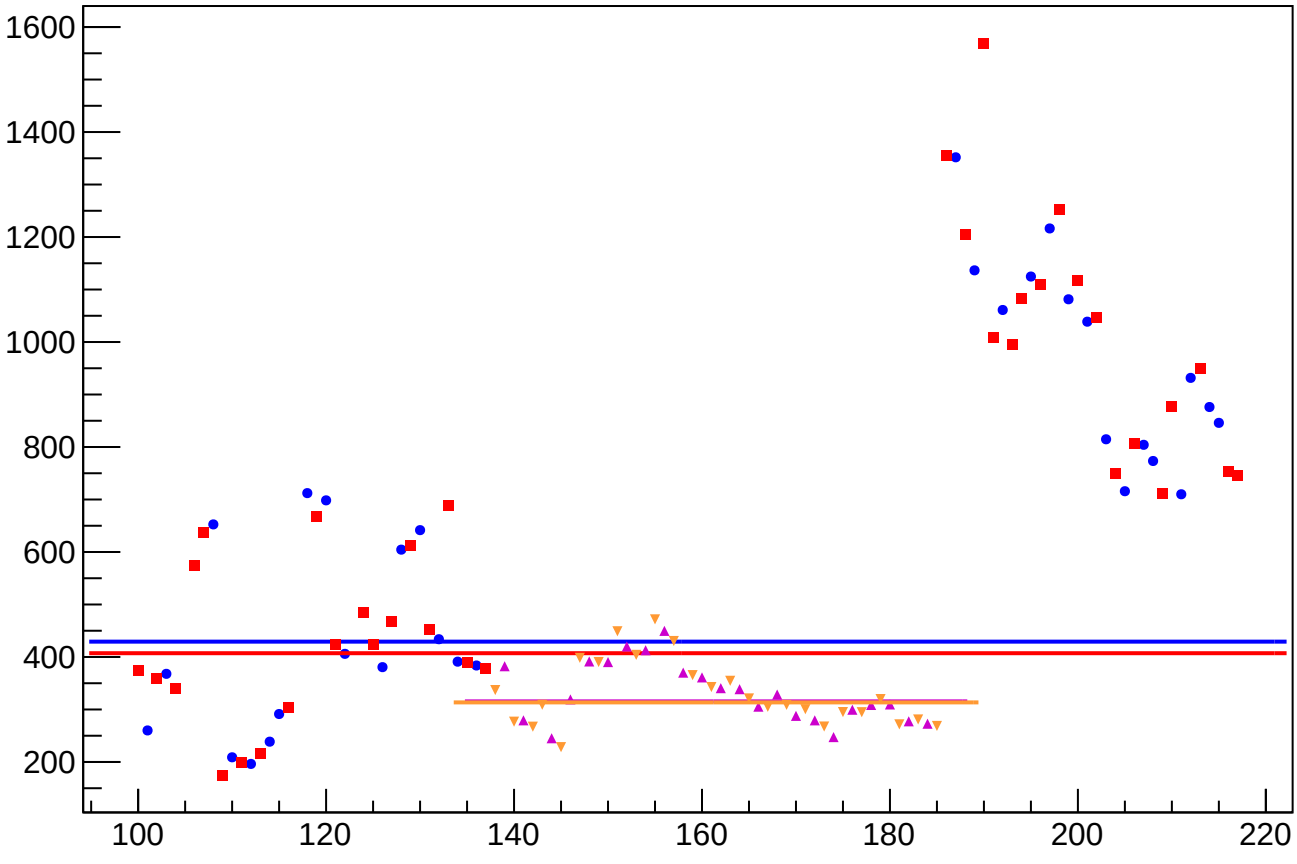
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 27.904+/-79.036 χ^2/NDF: 92.7/66

In: -57.577+/-62.773 χ^2/NDF:81.9/53

Out: -94.906+/-60.344 χ^2/NDF:110.5/60

All: -76.977+/-43.503 χ^2/NDF: 192.6/114



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: 407.207+/-0.077 χ^2/NDF: 12934251.3/35

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

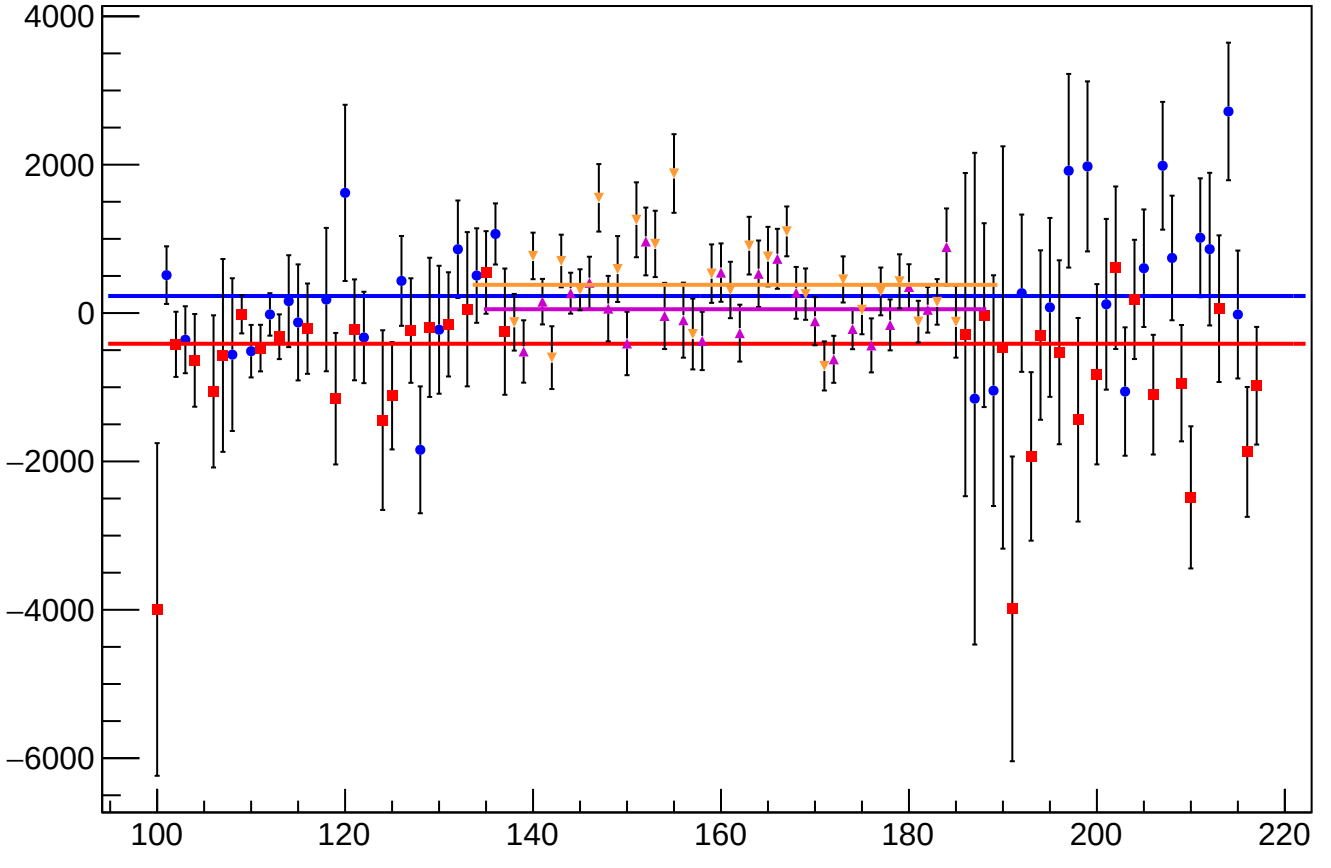
Right: 417.601+/-0.056 χ^2/NDF: 23474982.2/66

In: 349.313+/-0.044 χ^2/NDF:12884053.1/53

Out: 342.357+/-0.043 χ^2/NDF:15137611.7/60

All: 345.698+/-0.031 χ^2/NDF: 28034430.3/11

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: -413.939+/-111.586 χ^2/NDF: 28.0/35

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

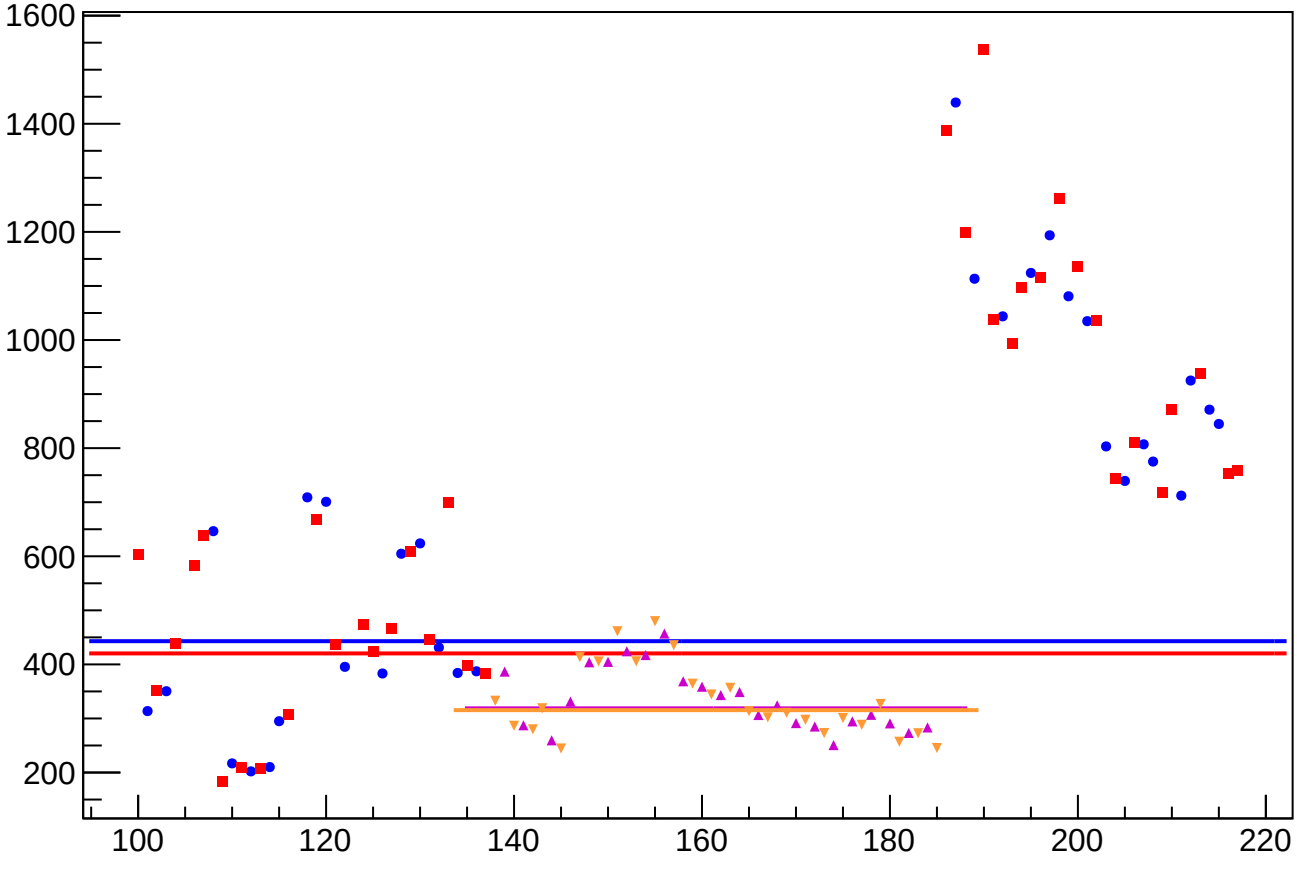
Right: -108.940+/-80.936 χ^2/NDF: 86.1/66

In: 103.621+/-63.606 χ^2/NDF:72.2/53

Out: 142.226+/-61.122 χ^2/NDF:118.9/60

All: 123.692+/-44.072 χ^2/NDF: 191.3/114

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: 420.322+/-0.079 χ^2/NDF: 12576452.4/35

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

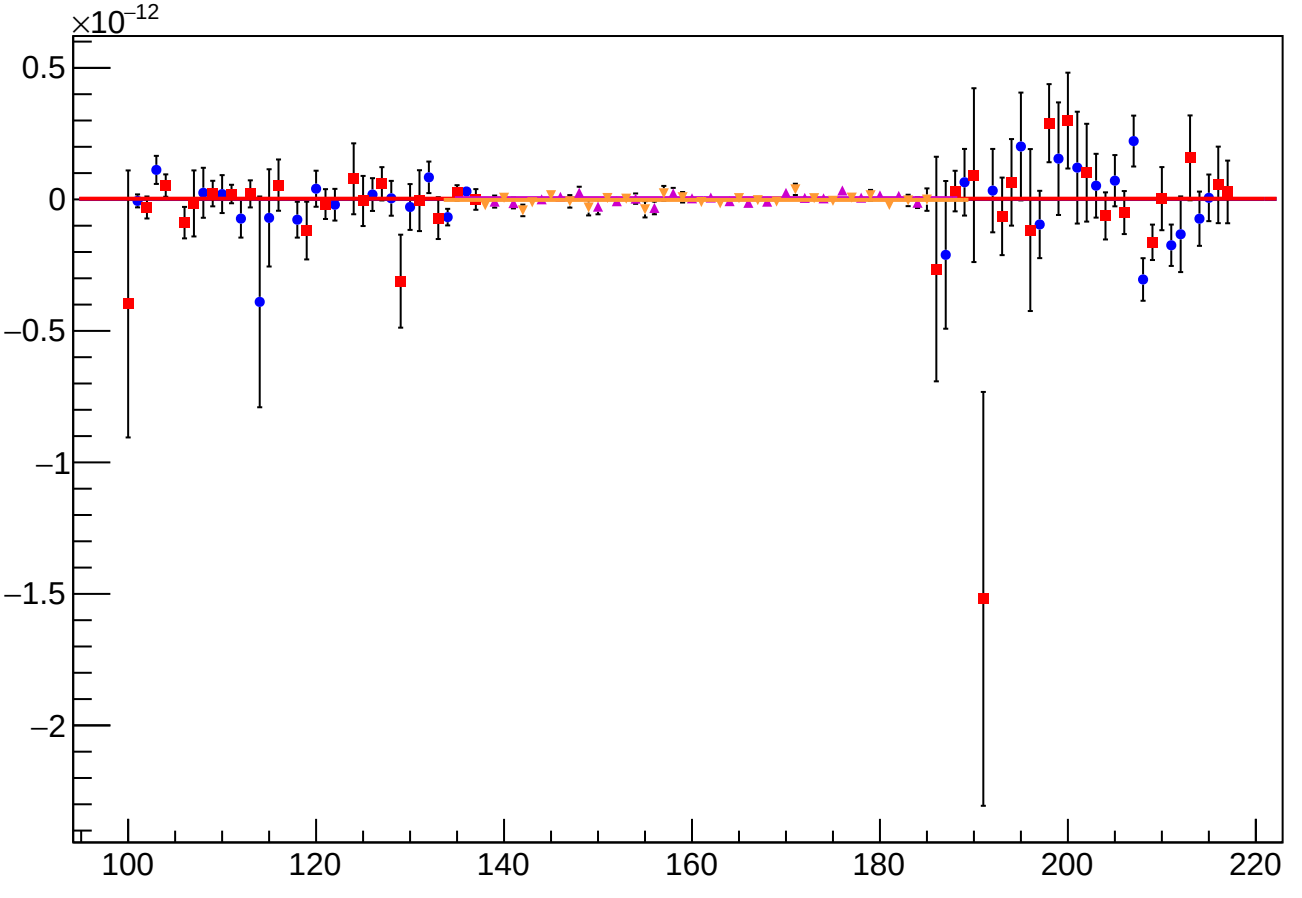
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 431.053+/-0.057 χ^2/NDF: 22544421.2/66

In: 355.063+/-0.045 χ^2/NDF:12501226.6/53

Out: 346.877+/-0.043 χ^2/NDF:15024358.7/60

All: 350.807+/-0.031 χ^2/NDF: 27542808.4/11



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: 32.5/35

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

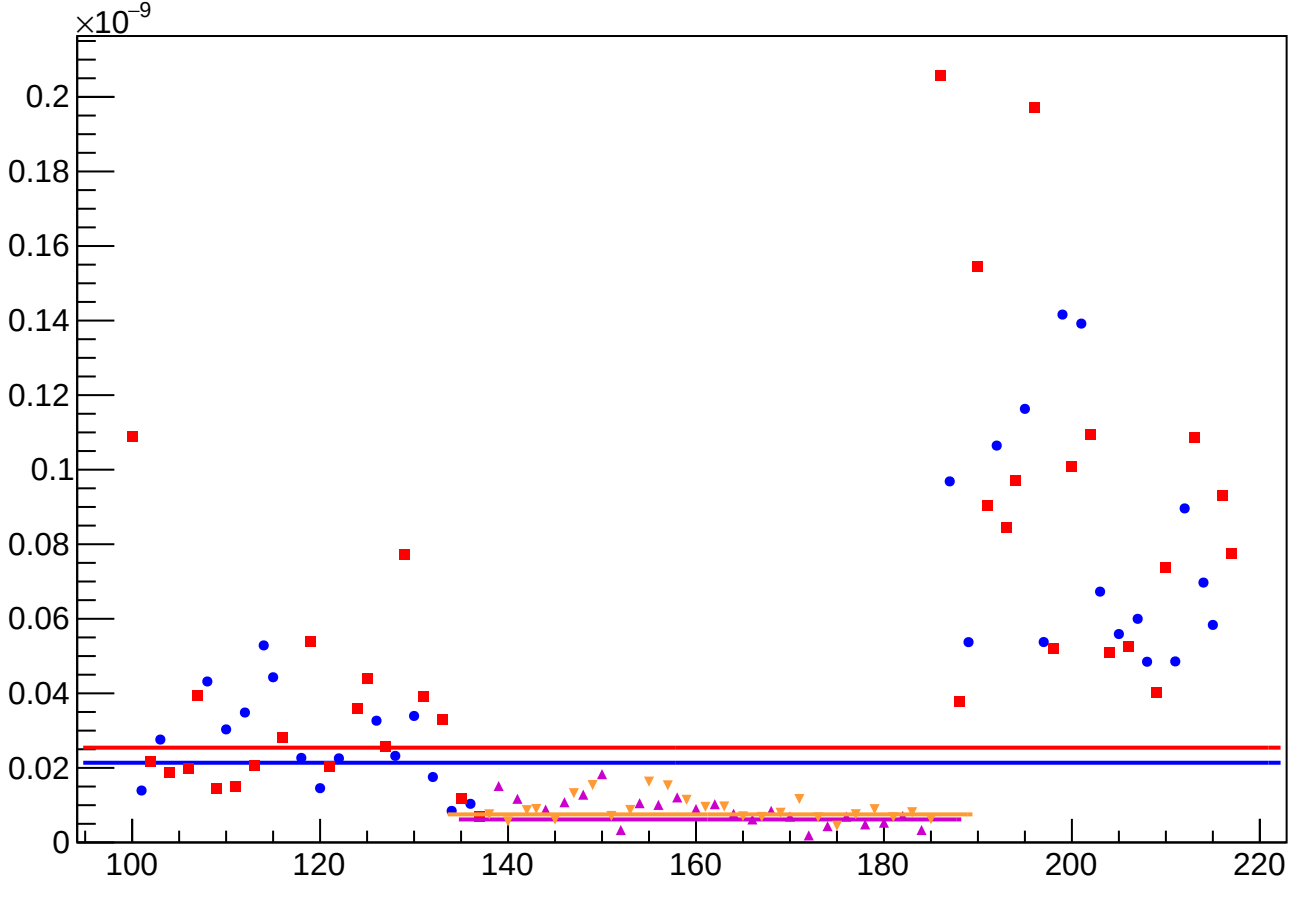
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 80.2/66

In: 0.000+/-0.000 χ^2/NDF:65.5/53

Out: -0.000+/-0.000 χ^2/NDF:51.6/60

All: 0.000+/-0.000 χ^2/NDF: 119.1/114



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: 6811007.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

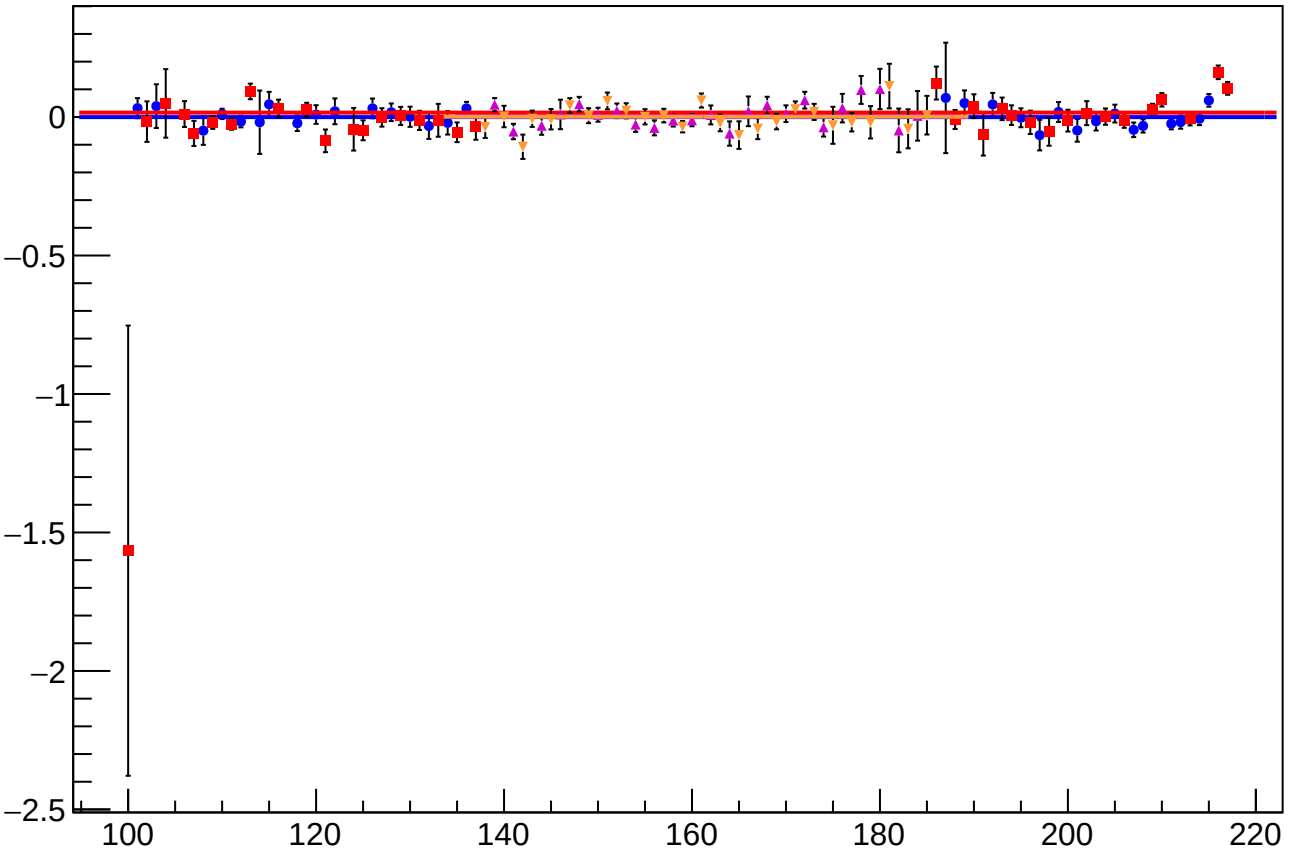
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13864911.4/66

In: 0.000+/-0.000 χ^2/NDF:13730193.2/53

Out: 0.000+/-0.000 χ^2/NDF:12294860.2/60

All: 0.000+/-0.000 χ^2/NDF: 26242407.8/114



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: 0.016+/-0.006 χ^2/NDF: 102.0/35

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

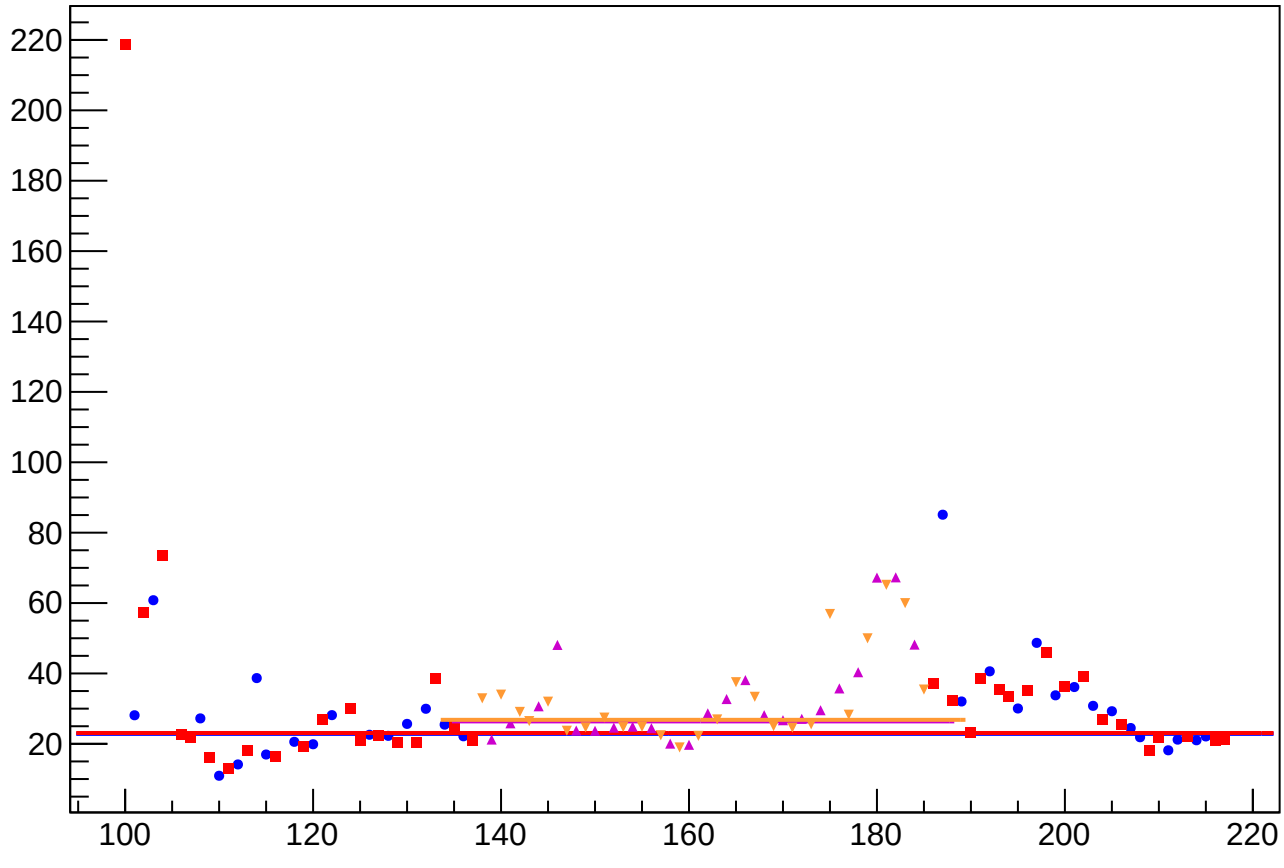
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.008+/-0.004 χ^2/NDF: 134.3/66

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.010+/-0.004 χ^2/NDF:135.3/60

All: 0.006+/-0.003 χ^2/NDF: 196.7/114



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: 23.082+/-0.004 χ^2/NDF: 3986924.5/35

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

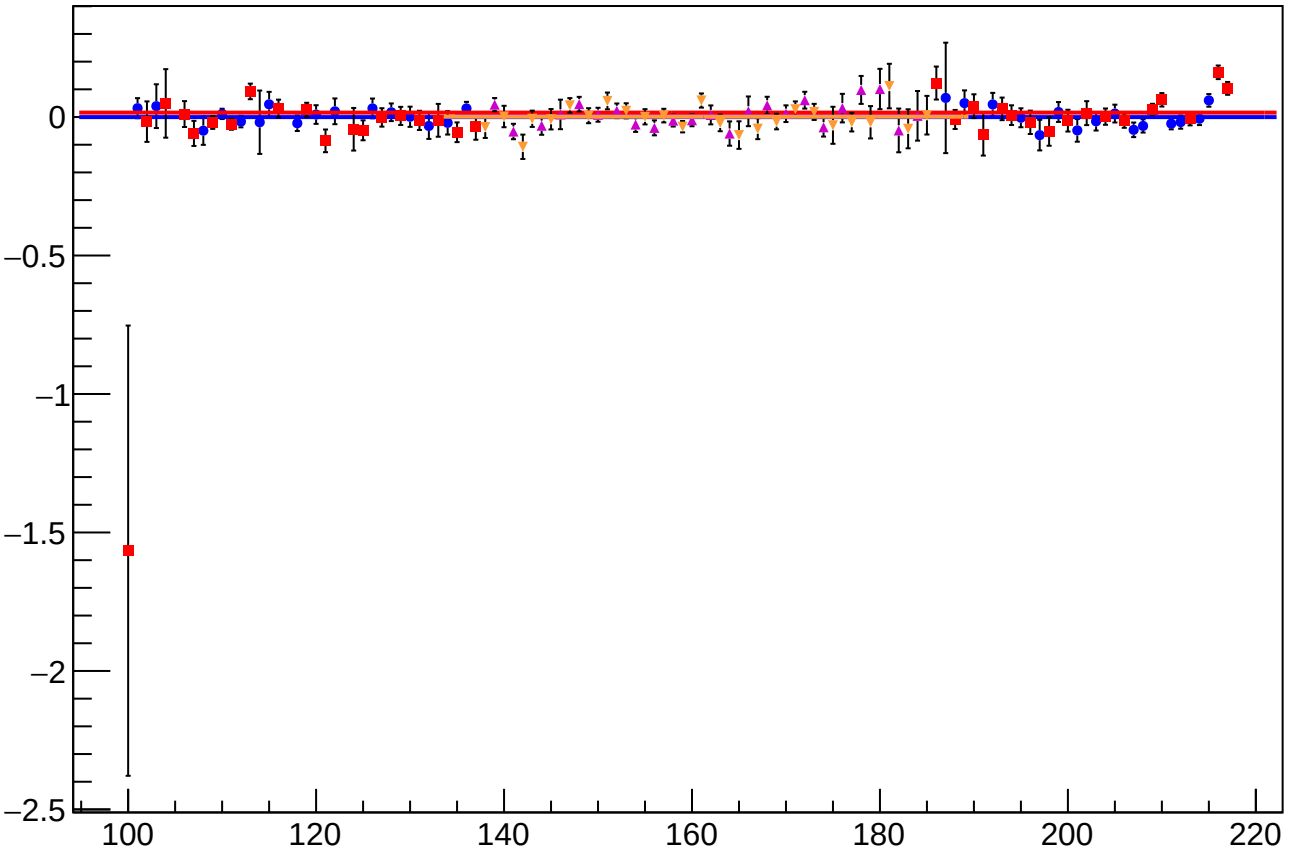
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.960+/-0.003 χ^2/NDF: 7764770.7/66

In: 24.322+/-0.003 χ^2/NDF:6676095.9/53

Out: 24.650+/-0.003 χ^2/NDF:6841471.6/60

All: 24.489+/-0.002 χ^2/NDF: 13523524.3/114



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: 0.016+/-0.006 χ^2/NDF: 102.0/35

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

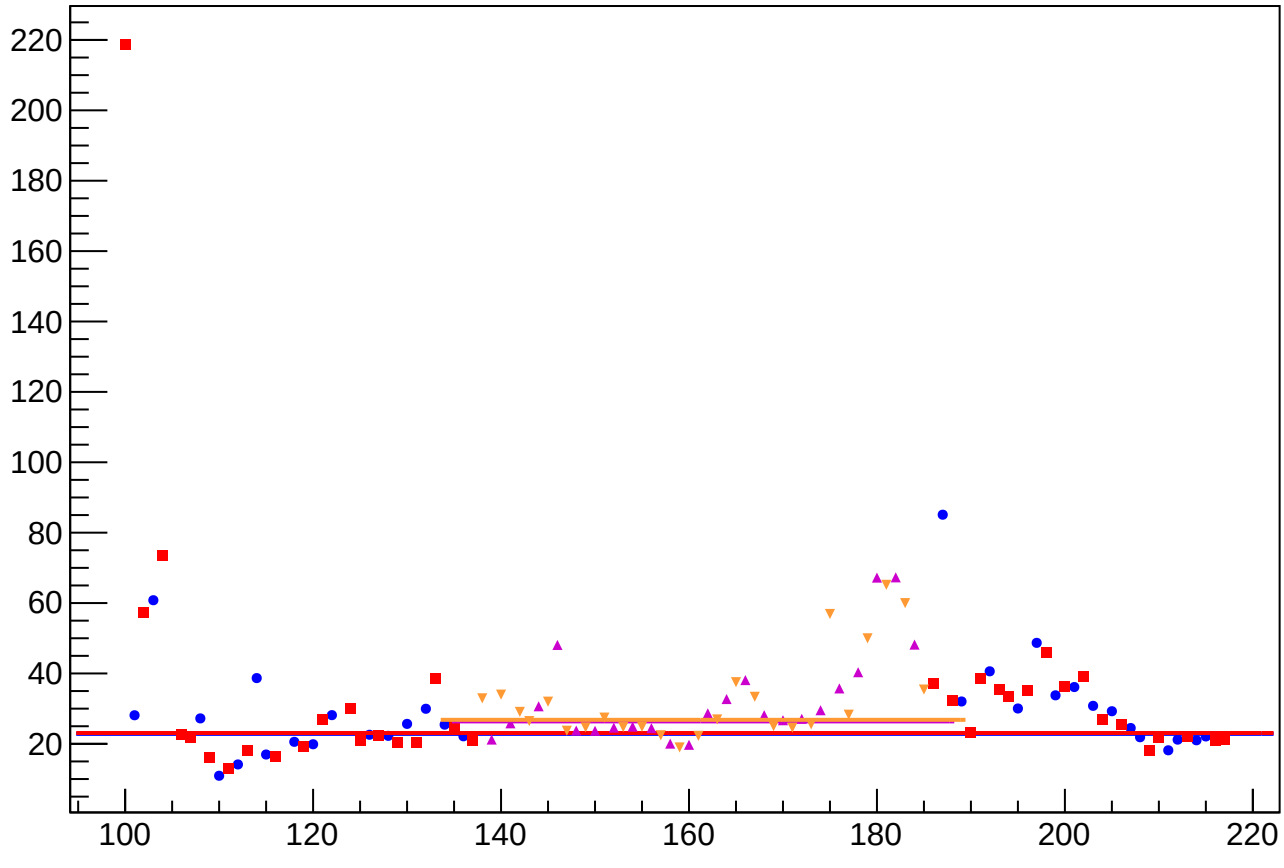
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.008+/-0.004 χ^2/NDF: 134.3/66

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.010+/-0.004 χ^2/NDF:135.3/60

All: 0.006+/-0.003 χ^2/NDF: 196.7/114



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: 23.082+/-0.004 χ^2/NDF: 3986924.5/35

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

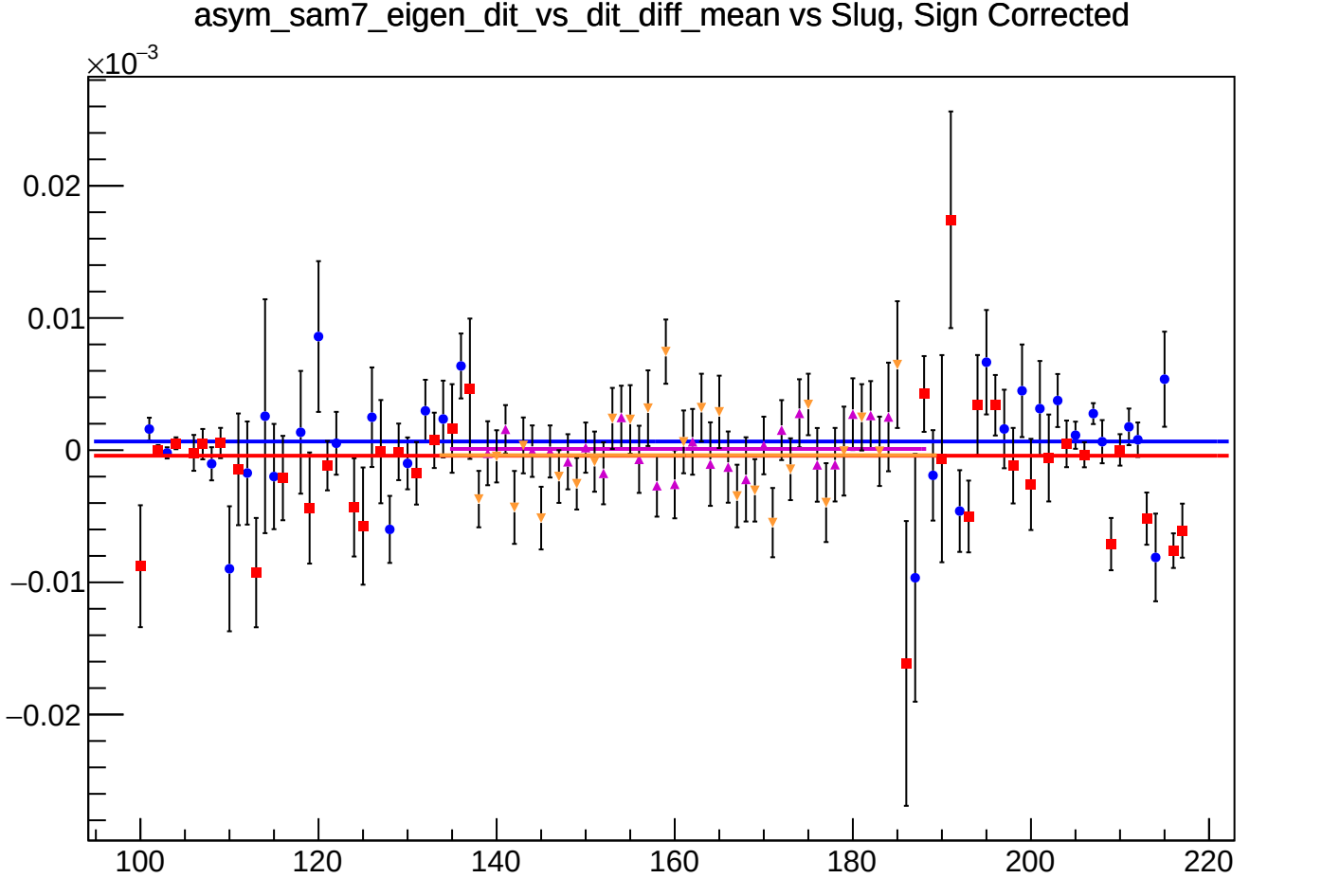
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.960+/-0.003 χ^2/NDF: 7764770.7/66

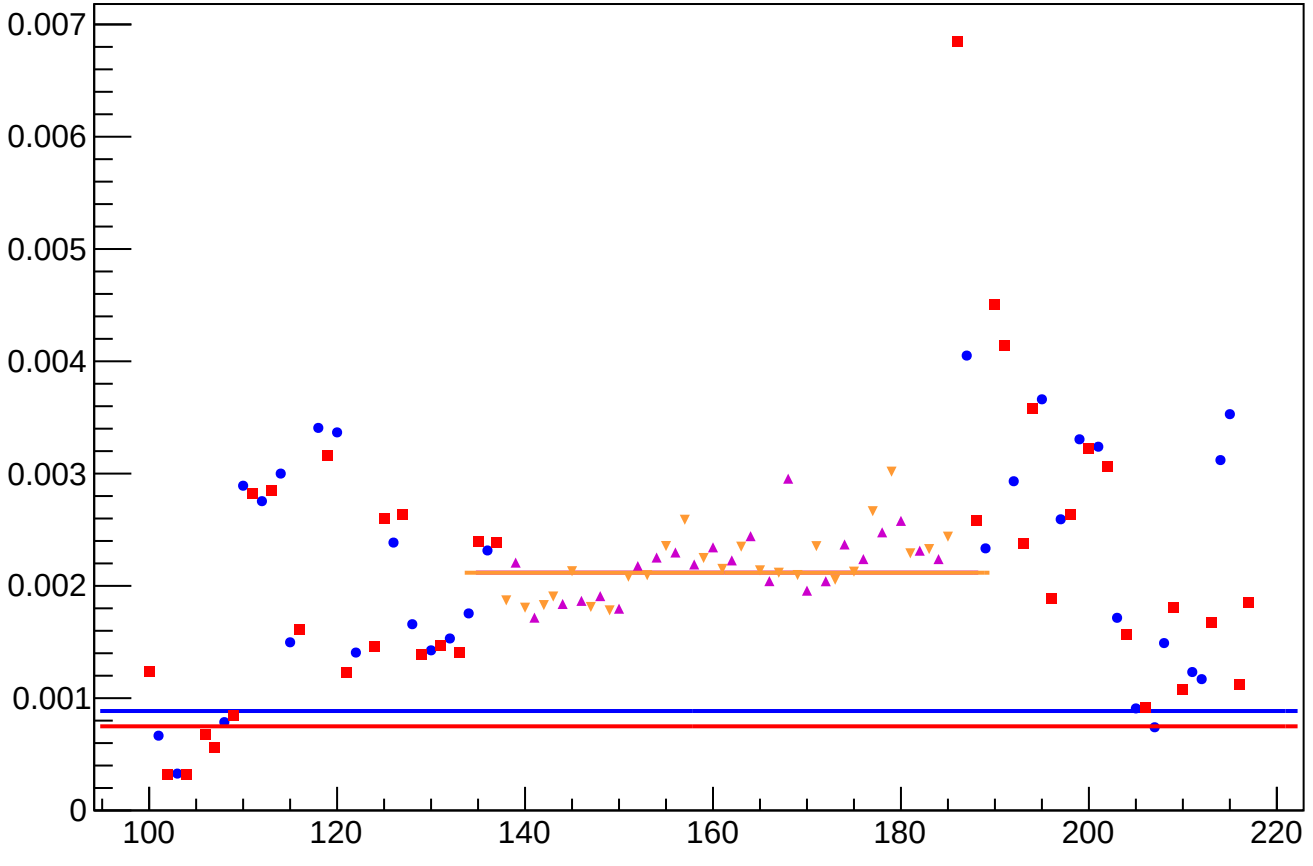
In: 24.322+/-0.003 χ^2/NDF:6676095.9/53

Out: 24.650+/-0.003 χ^2/NDF:6841471.6/60

All: 24.489+/-0.002 χ^2/NDF: 13523524.3/114


asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 56.5/30
Left Out: -0.000+/-0.000 χ²/NDF:43.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 92.5/35
Left In: 0.000+/-0.000 χ²/NDF:10.2/22
Left: -0.000+/-0.000 χ²/NDF: 53.8/47
Right: 0.000+/-0.000 χ²/NDF: 158.4/66
In: 0.000+/-0.000 χ²/NDF:67.7/53
Out: -0.000+/-0.000 χ²/NDF:135.6/60
All: -0.000+/-0.000 χ²/NDF: 212.4/114

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: 18080114.9/35

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

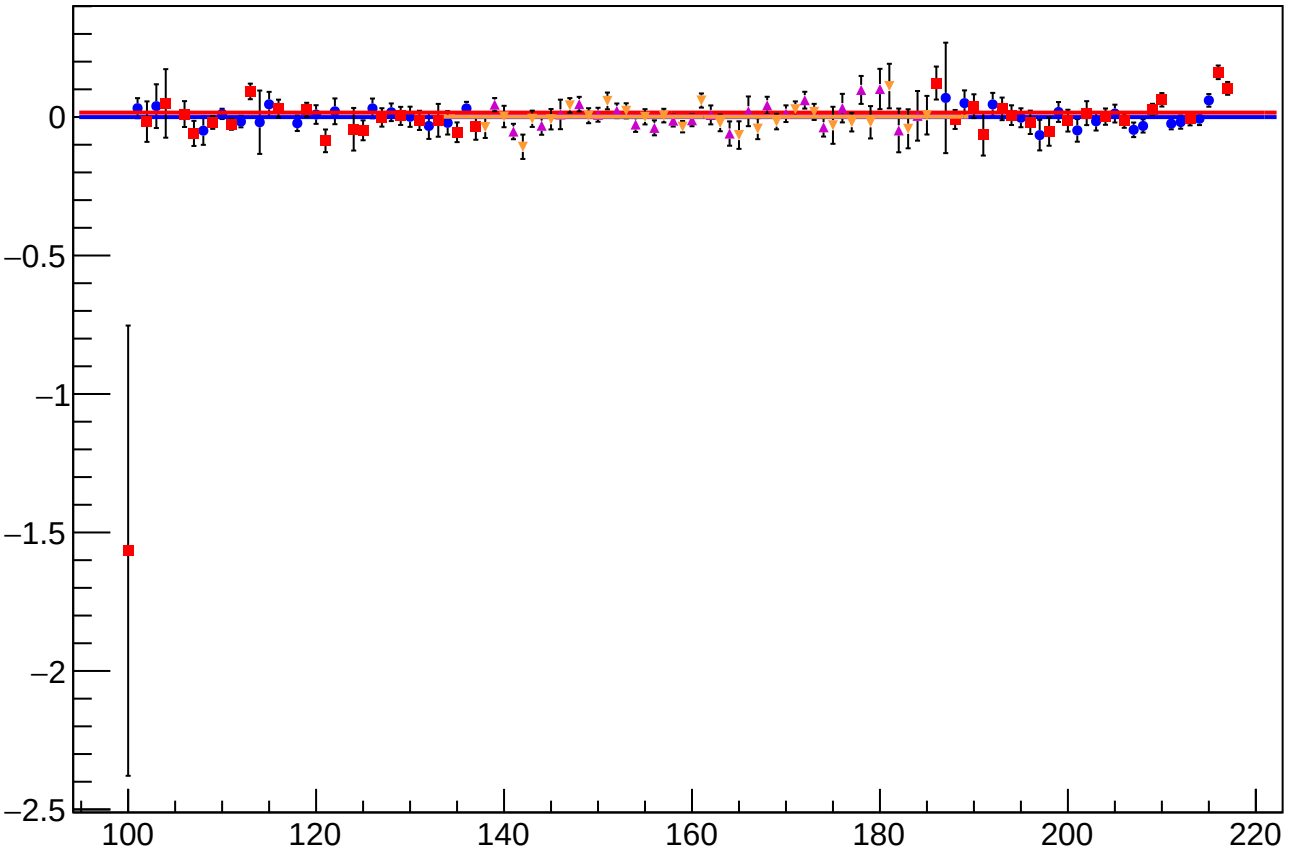
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 33532528.1/66

In: 0.001+/-0.000 χ^2/NDF:25186054.7/53

Out: 0.001+/-0.000 χ^2/NDF:31610698.4/60

All: 0.001+/-0.000 χ^2/NDF: 57332633.7/114



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: 0.016+/-0.006 χ^2/NDF: 101.9/35

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

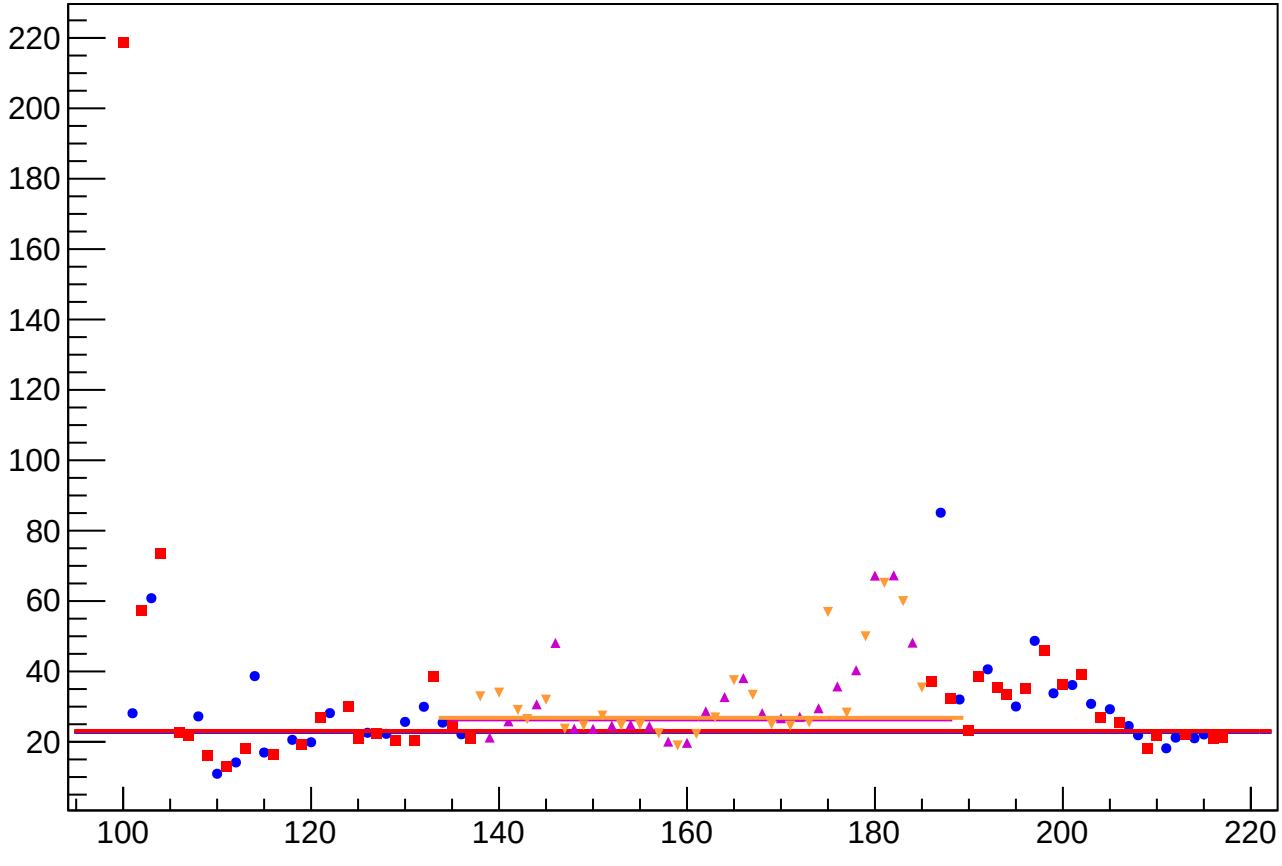
Right: 0.008+/-0.004 χ^2/NDF: 134.3/66

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.010+/-0.004 χ^2/NDF:135.3/60

All: 0.006+/-0.003 χ^2/NDF: 196.6/114

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.833+/-0.004 χ^2/NDF: 3775575.4/30

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.082+/-0.004 χ^2/NDF: 3986720.7/35

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

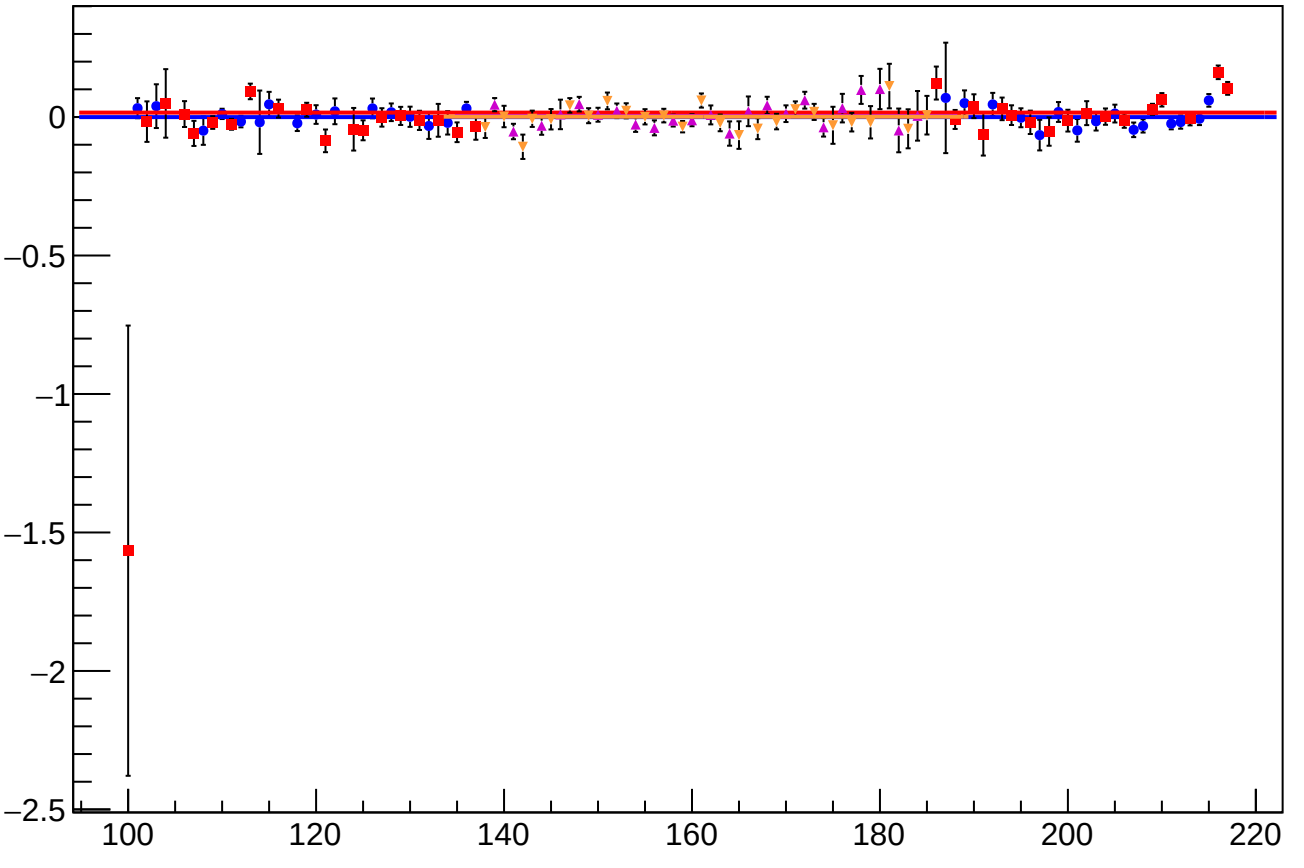
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.960+/-0.003 χ^2/NDF: 7764289.5/66

In: 24.323+/-0.003 χ^2/NDF:6675811.8/53

Out: 24.650+/-0.003 χ^2/NDF:6841306.1/60

All: 24.489+/-0.002 χ^2/NDF: 13523066.3/114



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: 0.016+/-0.006 χ^2/NDF: 101.9/35

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

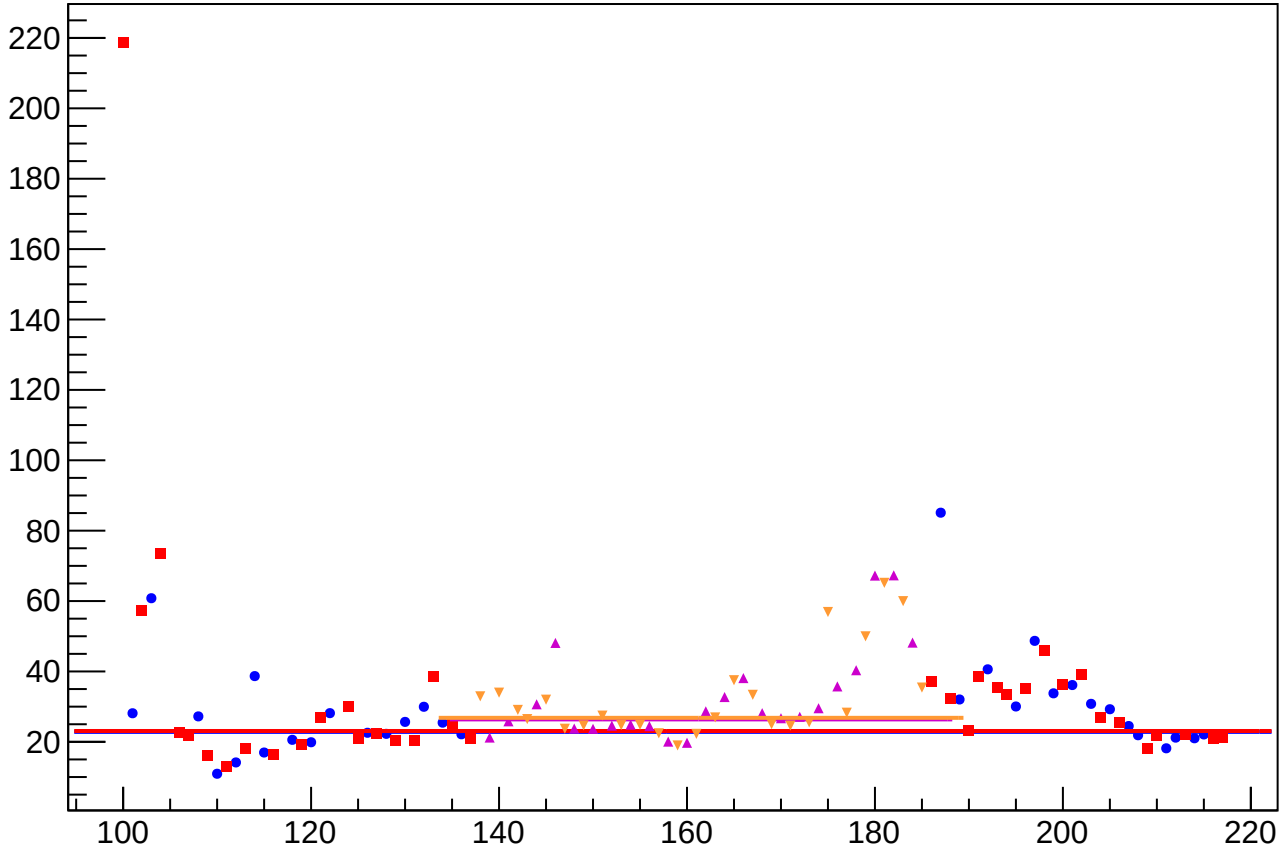
Right: 0.008+/-0.004 χ^2/NDF: 134.3/66

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.010+/-0.004 χ^2/NDF:135.3/60

All: 0.006+/-0.003 χ^2/NDF: 196.6/114

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: 23.082+/-0.004 χ^2/NDF: 3986720.7/35

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

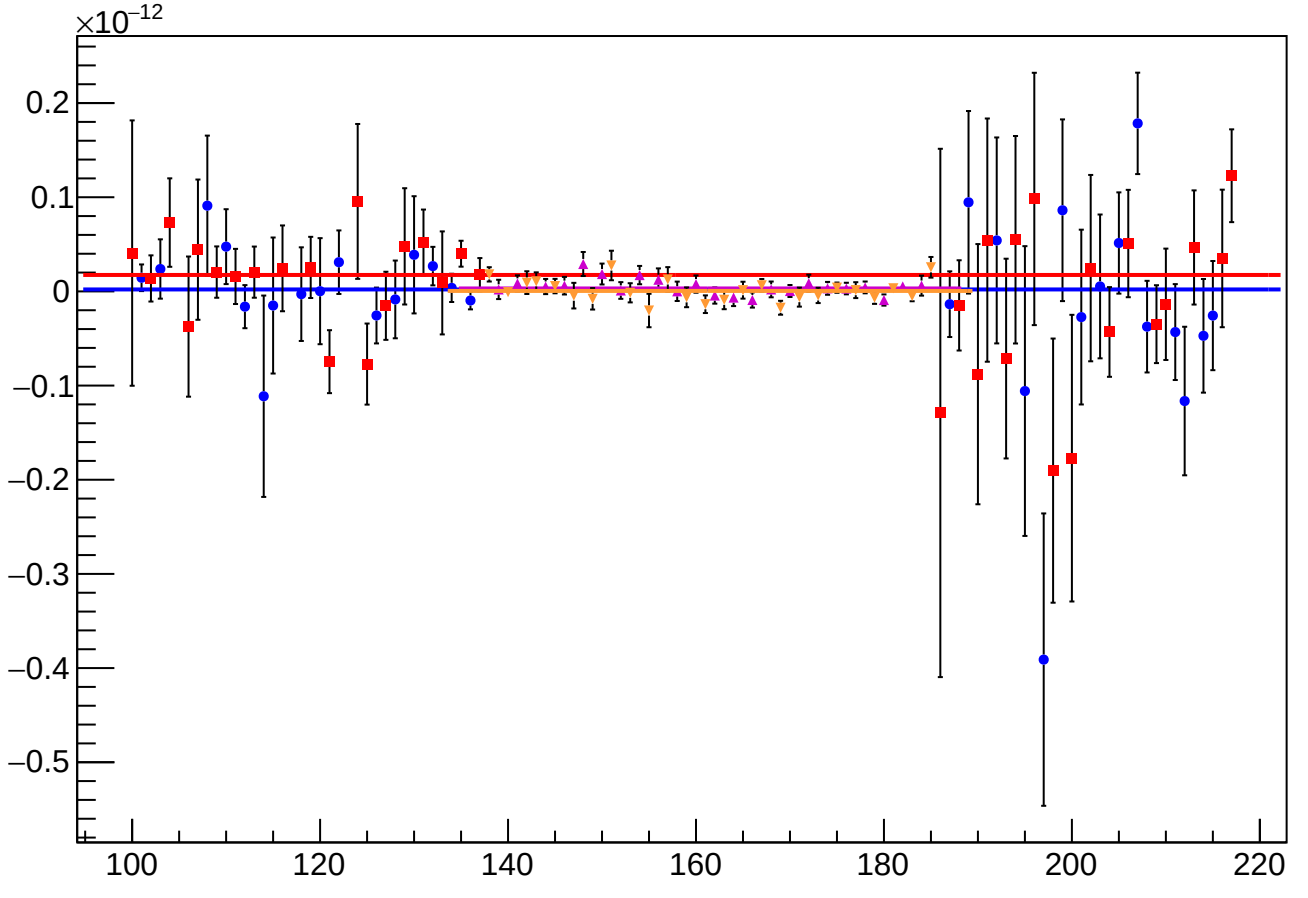
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.960+/-0.003 χ^2/NDF: 7764289.5/66

In: 24.323+/-0.003 χ^2/NDF:6675811.8/53

Out: 24.650+/-0.003 χ^2/NDF:6841306.1/60

All: 24.489+/-0.002 χ^2/NDF: 13523066.3/114



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: 35.4/35

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

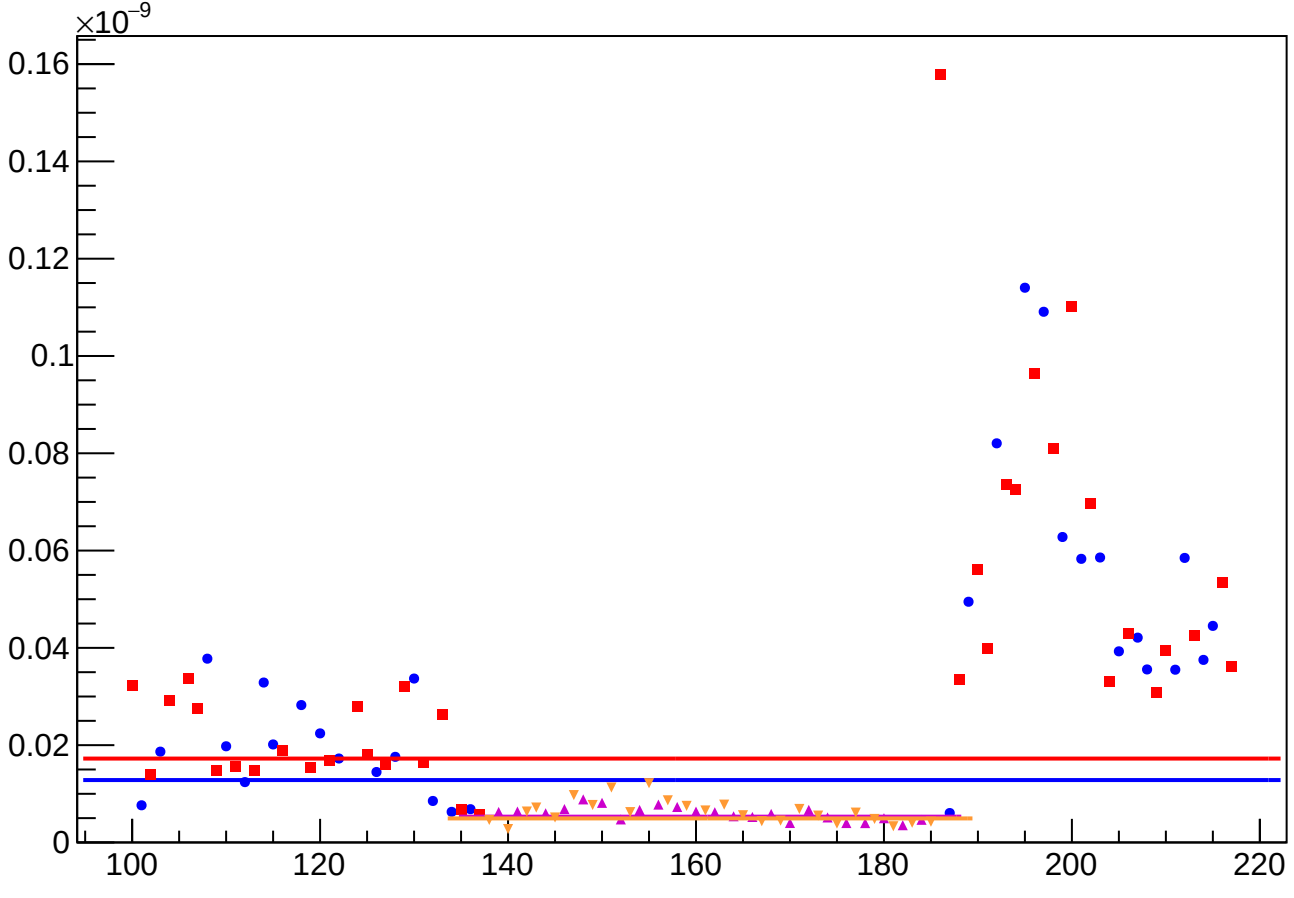
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 74.8/66

In: 0.000+/-0.000 χ^2/NDF:55.2/53

Out: 0.000+/-0.000 χ^2/NDF:74.4/60

All: 0.000+/-0.000 χ^2/NDF: 130.2/114



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: 9295514.3/35

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

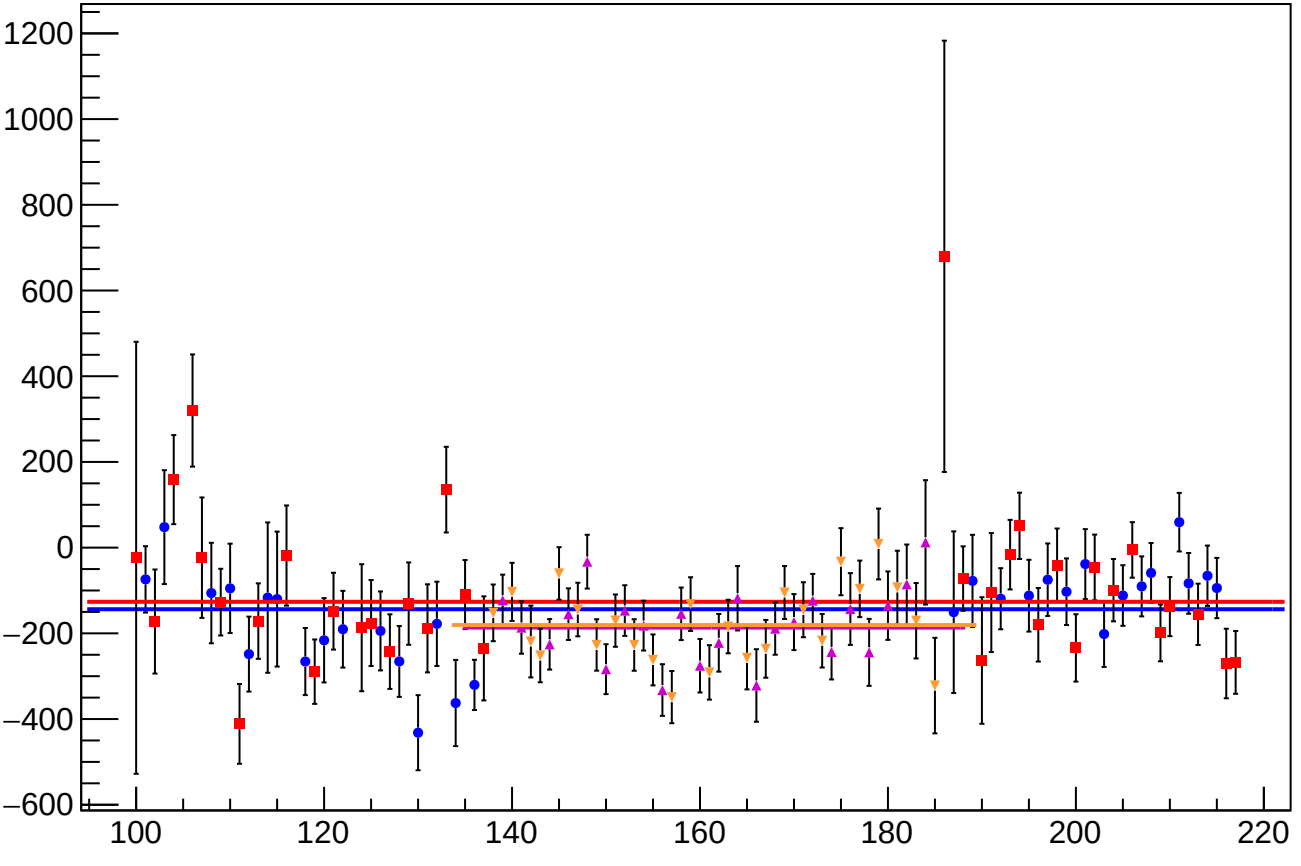
Right: 0.000+/-0.000 χ^2/NDF: 20415495.0/66

In: 0.000+/-0.000 χ^2/NDF:15372358.5/53

Out: 0.000+/-0.000 χ^2/NDF:18782193.6/60

All: 0.000+/-0.000 χ^2/NDF: 34203951.7/114

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: -126.369+/-14.976 χ^2/NDF: 72.7/35

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

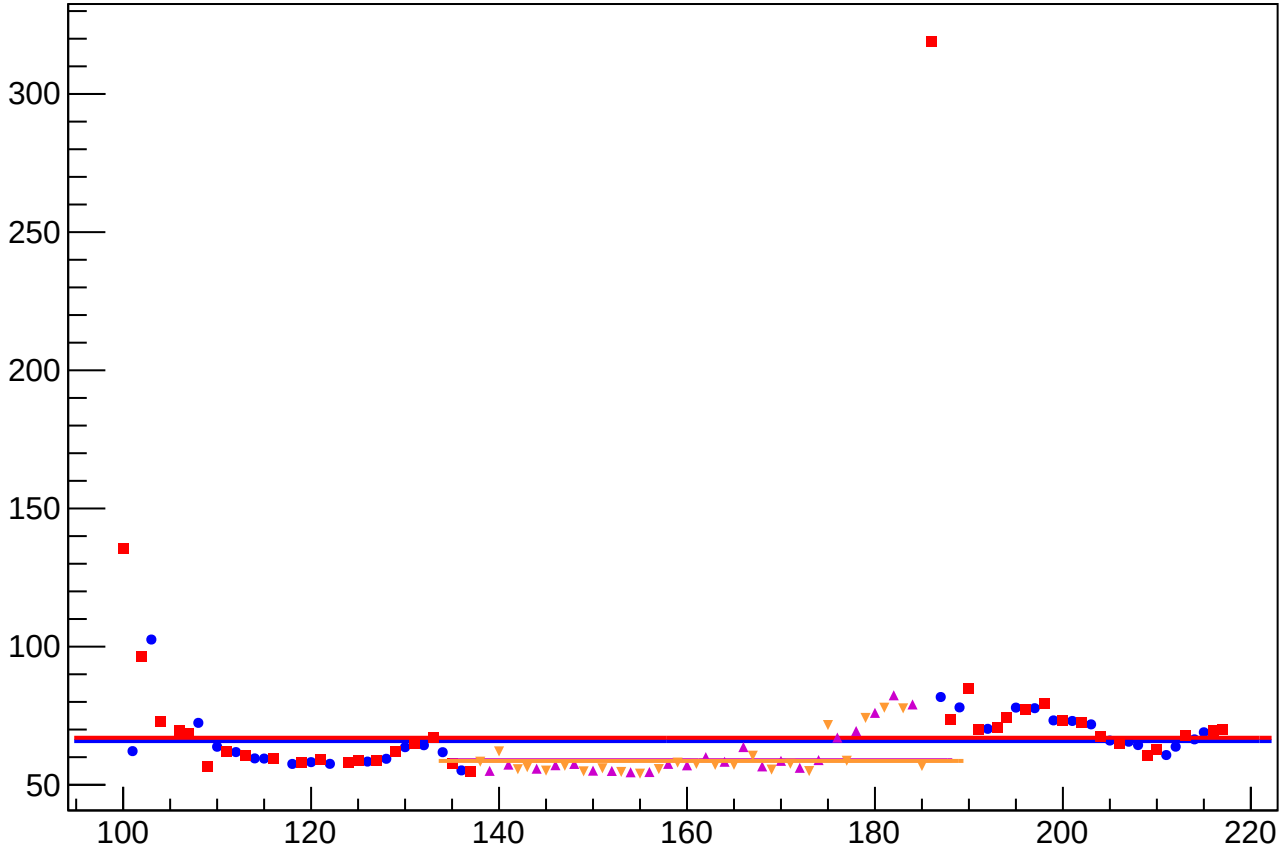
Right: -134.989+/-10.639 χ^2/NDF: 125.9/66

In: -167.022+/-10.216 χ^2/NDF:85.9/53

Out: -156.497+/-9.994 χ^2/NDF:118.6/60

All: -161.644+/-7.144 χ^2/NDF: 205.0/114

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: 67.030+/-0.011 χ^2/NDF: 1053412.5/35

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

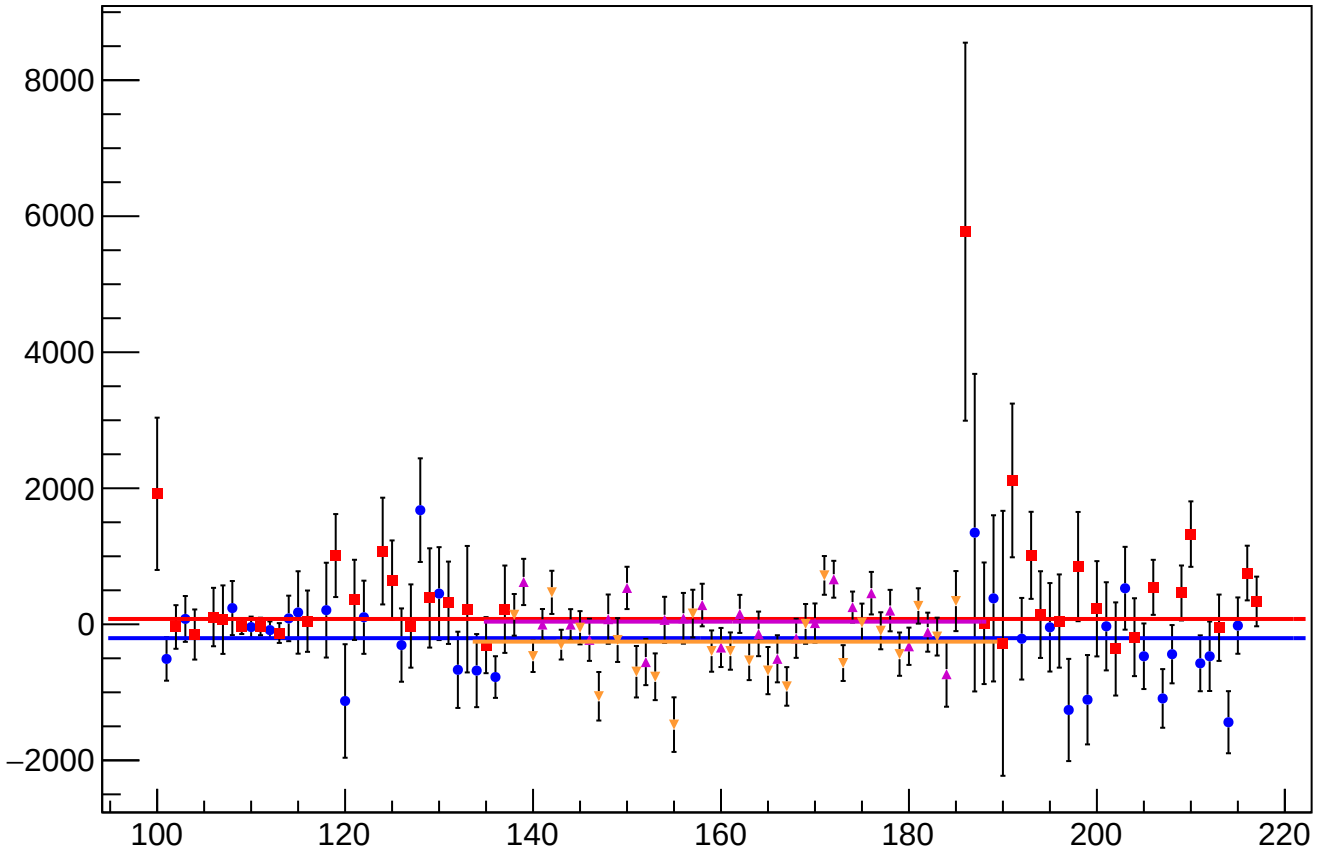
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.431+/-0.008 χ^2/NDF: 1574588.2/66

In: 62.064+/-0.007 χ^2/NDF:1128855.4/53

Out: 62.378+/-0.007 χ^2/NDF:1795137.2/60

All: 62.225+/-0.005 χ^2/NDF: 2924959.9/114



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: 78.552+/-57.993 χ^2/NDF: 36.9/35

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

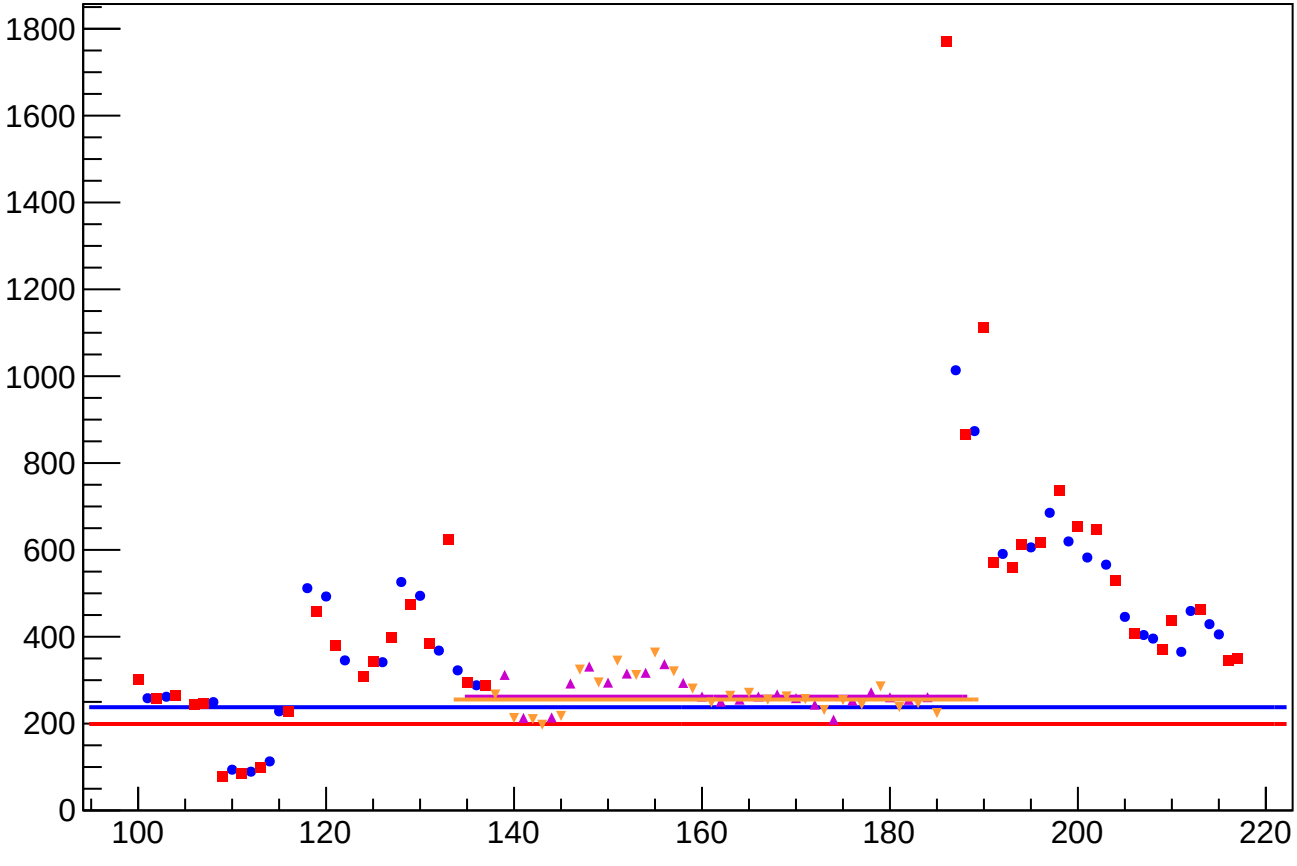
Right: -42.334+/-43.845 χ^2/NDF: 86.5/66

In: -72.639+/-45.456 χ^2/NDF:74.9/53

Out: -85.519+/-41.316 χ^2/NDF:110.8/60

All: -79.692+/-30.574 χ^2/NDF: 185.7/114

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: 199.115+/-0.041 χ^2/NDF: 17340204.1/35

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

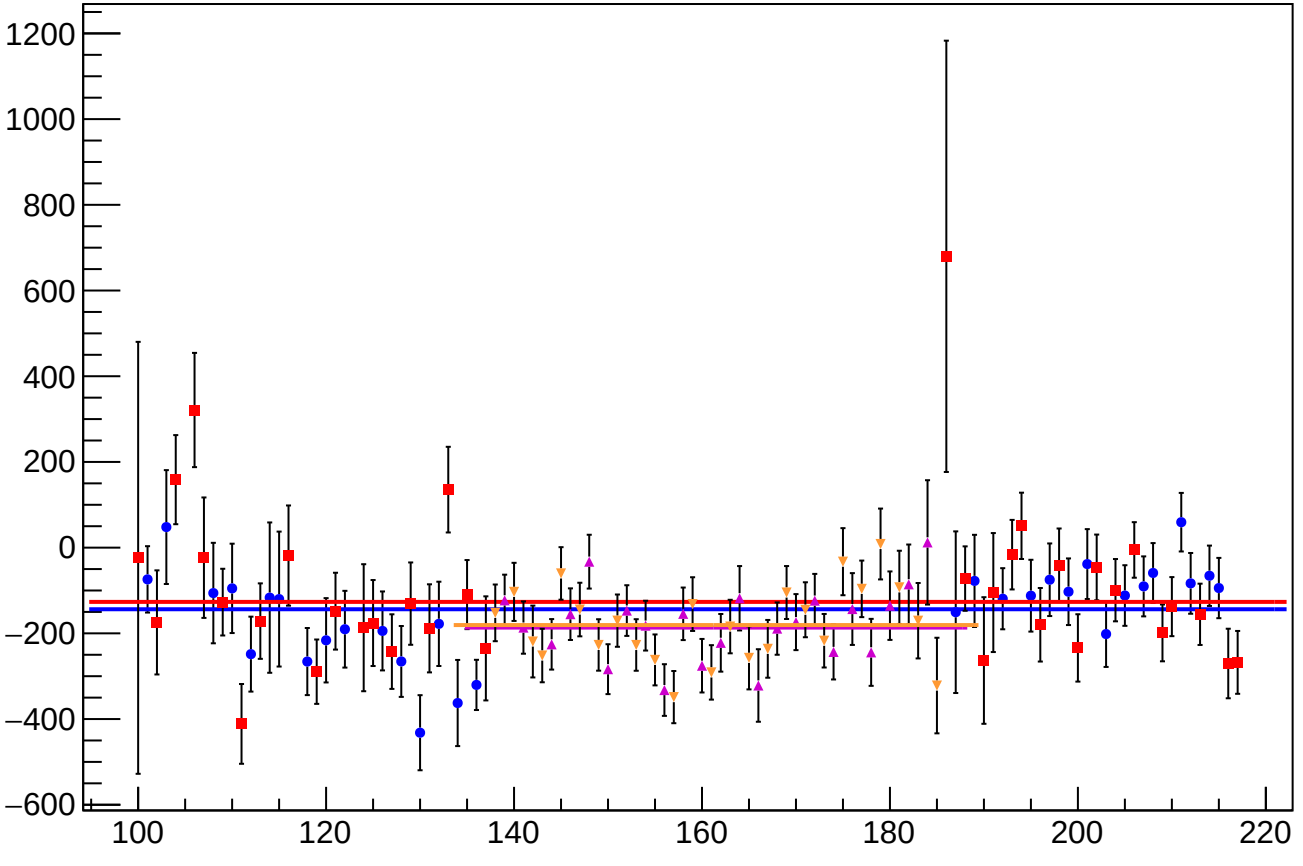
Right: 215.667+/-0.031 χ^2/NDF: 30740921.8/66

In: 250.839+/-0.032 χ^2/NDF:13832498.5/53

Out: 226.866+/-0.029 χ^2/NDF:19134072.1/60

All: 237.711+/-0.022 χ^2/NDF: 33271171.9/11

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: -126.594+/-14.980 χ^2/NDF: 72.3/35

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

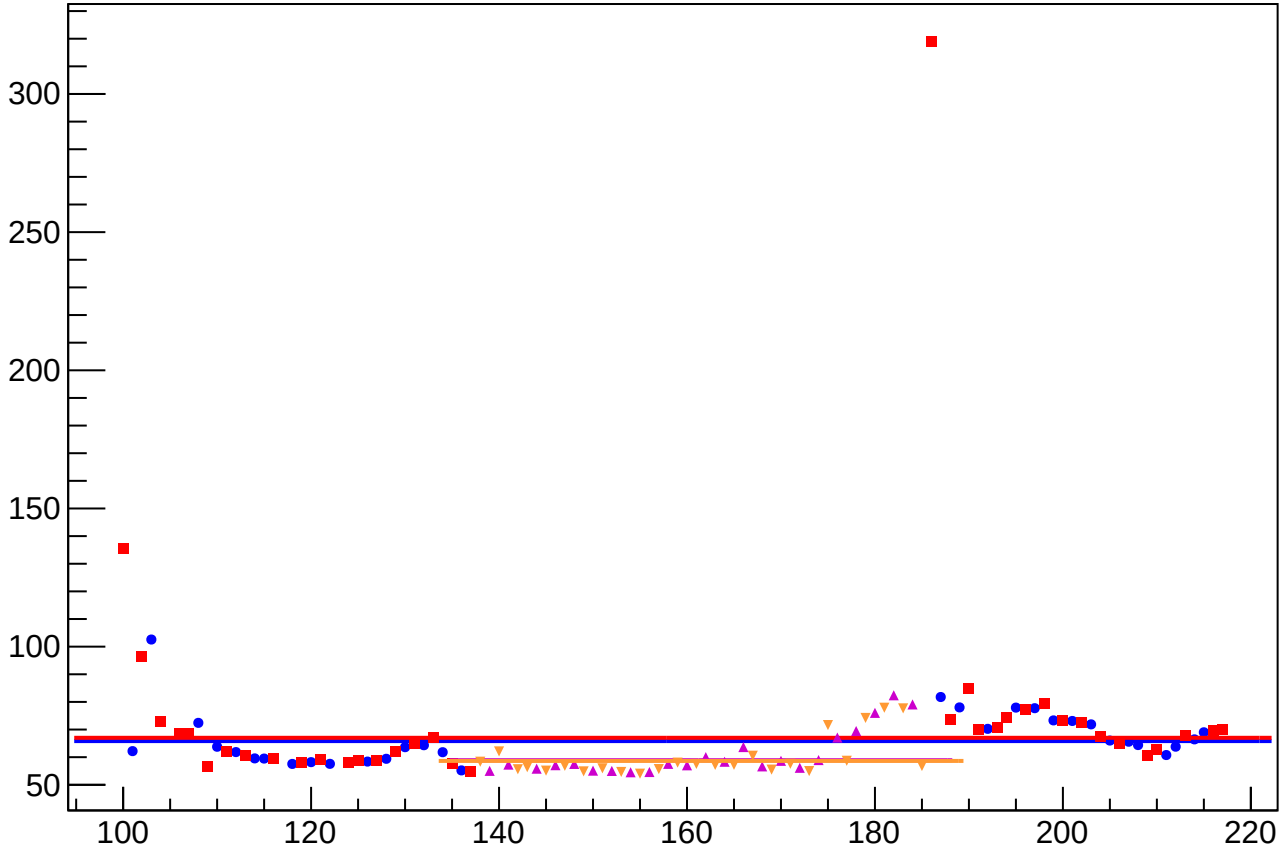
Right: -135.105+/-10.640 χ^2/NDF: 125.5/66

In: -167.023+/-10.216 χ^2/NDF:85.9/53

Out: -156.601+/-9.995 χ^2/NDF:118.2/60

All: -161.698+/-7.144 χ^2/NDF: 204.6/114

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: 67.014+/-0.011 χ^2/NDF: 1053045.6/35

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

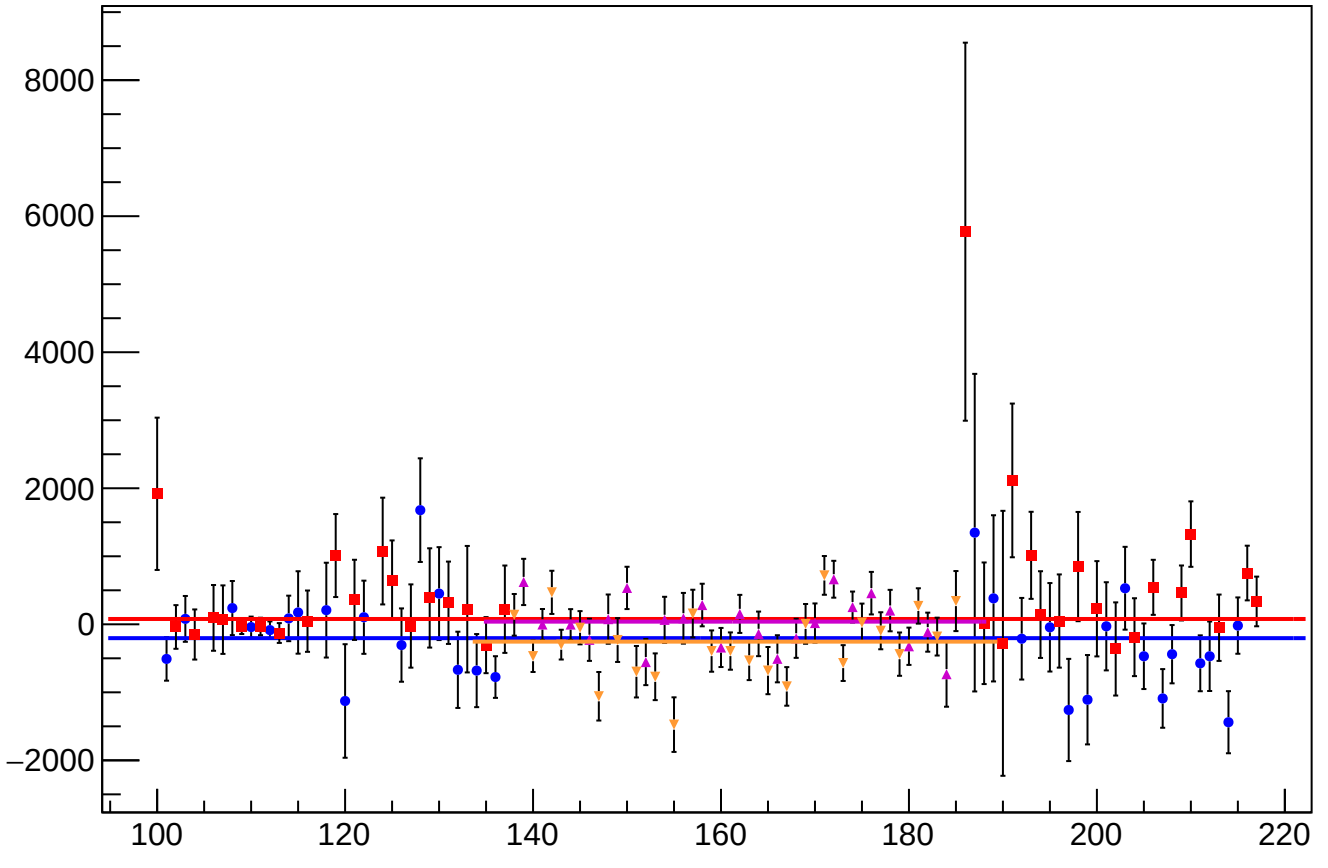
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.423+/-0.008 χ^2/NDF: 1574055.0/66

In: 62.064+/-0.007 χ^2/NDF:1128857.9/53

Out: 62.370+/-0.007 χ^2/NDF:1793372.0/60

All: 62.220+/-0.005 χ^2/NDF: 2923148.5/114



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: 78.285+/-58.107 χ^2/NDF: 36.9/35

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

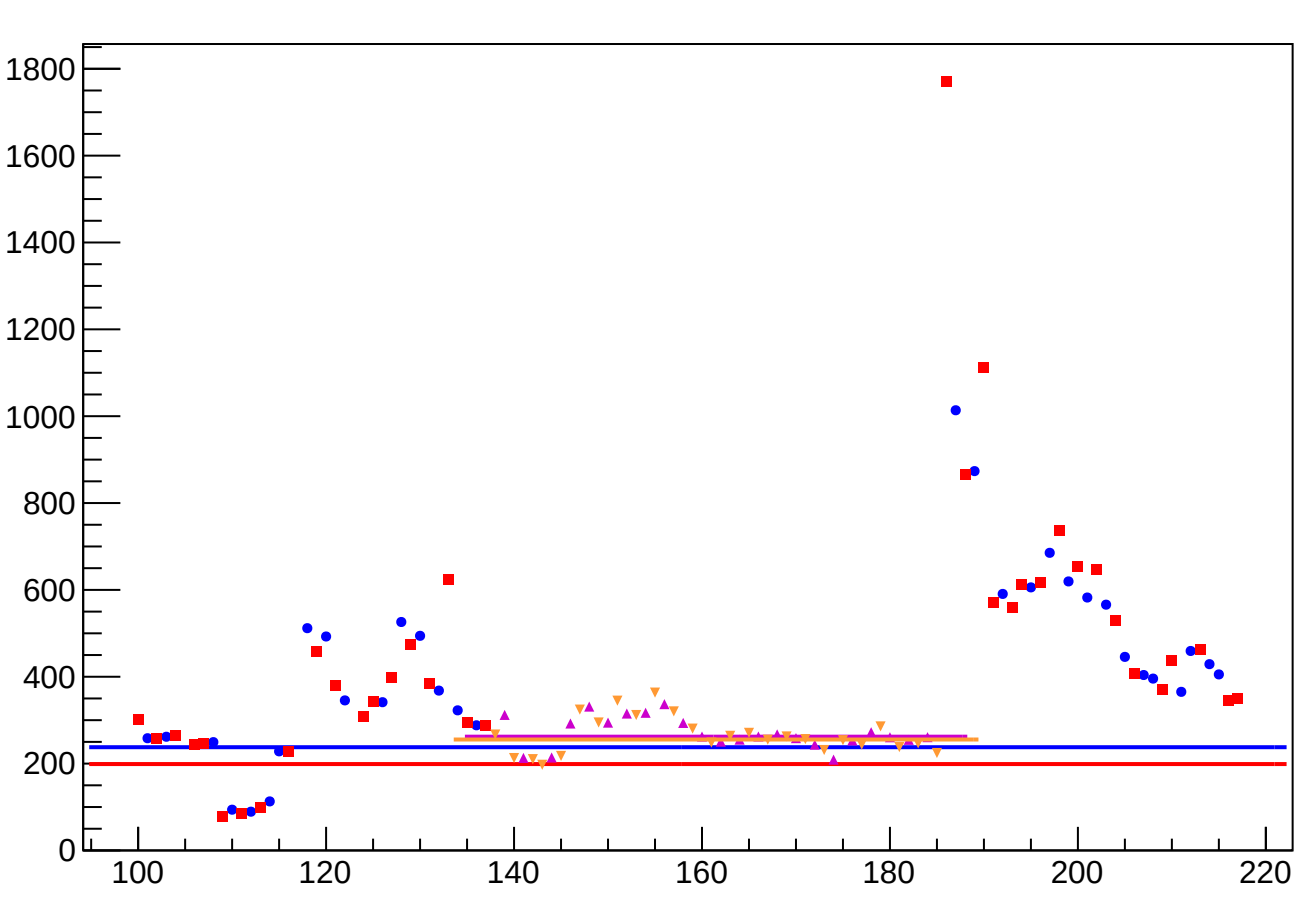
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -42.751+/-43.894 χ^2/NDF: 86.5/66

In: -72.634+/-45.456 χ^2/NDF:74.9/53

Out: -85.979+/-41.357 χ^2/NDF:110.7/60

All: -79.935+/-30.591 χ^2/NDF: 185.7/114



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: 198.947+/-0.041 χ^2/NDF: 17336278.5/35

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

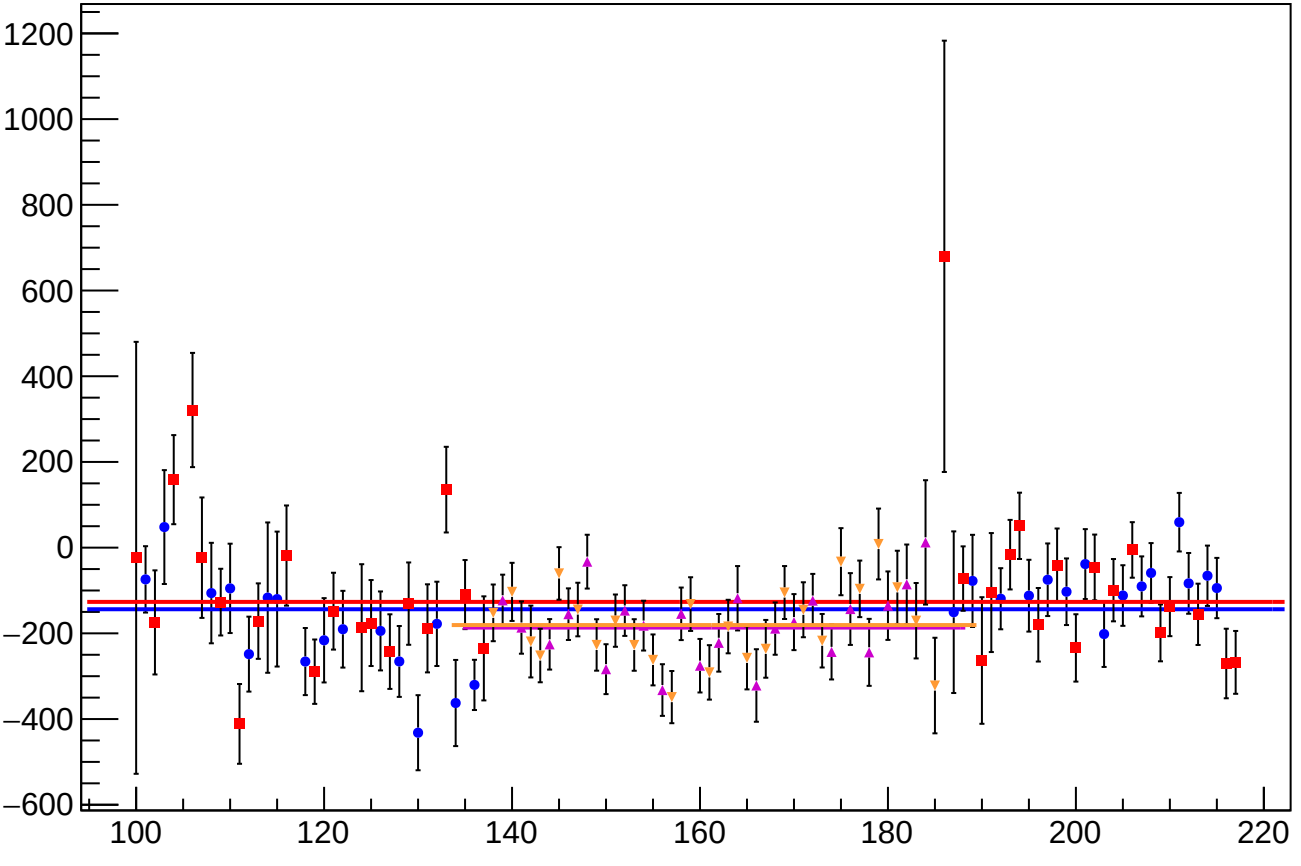
Right: 215.608+/-0.031 χ^2/NDF: 30739717.6/66

In: 250.839+/-0.032 χ^2/NDF:13832511.1/53

Out: 226.836+/-0.029 χ^2/NDF:19133915.3/60

All: 237.707+/-0.022 χ^2/NDF: 33271536.8/11

eigen_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: -126.594+/-14.980 χ^2/NDF: 72.3/35

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

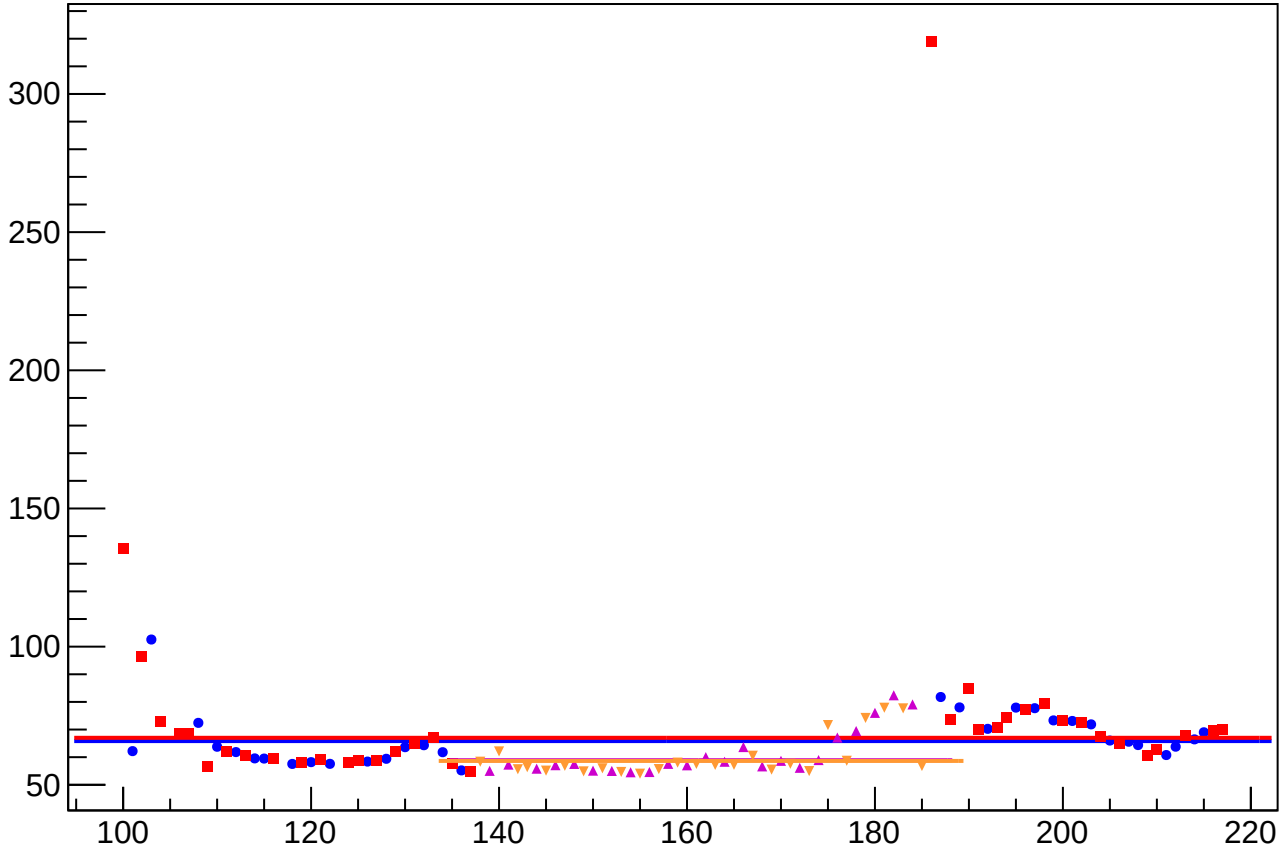
Right: -135.105+/-10.640 χ^2/NDF: 125.5/66

In: -167.023+/-10.216 χ^2/NDF:85.9/53

Out: -156.601+/-9.995 χ^2/NDF:118.2/60

All: -161.698+/-7.144 χ^2/NDF: 204.6/114

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: 67.014+/-0.011 χ^2/NDF: 1053045.6/35

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

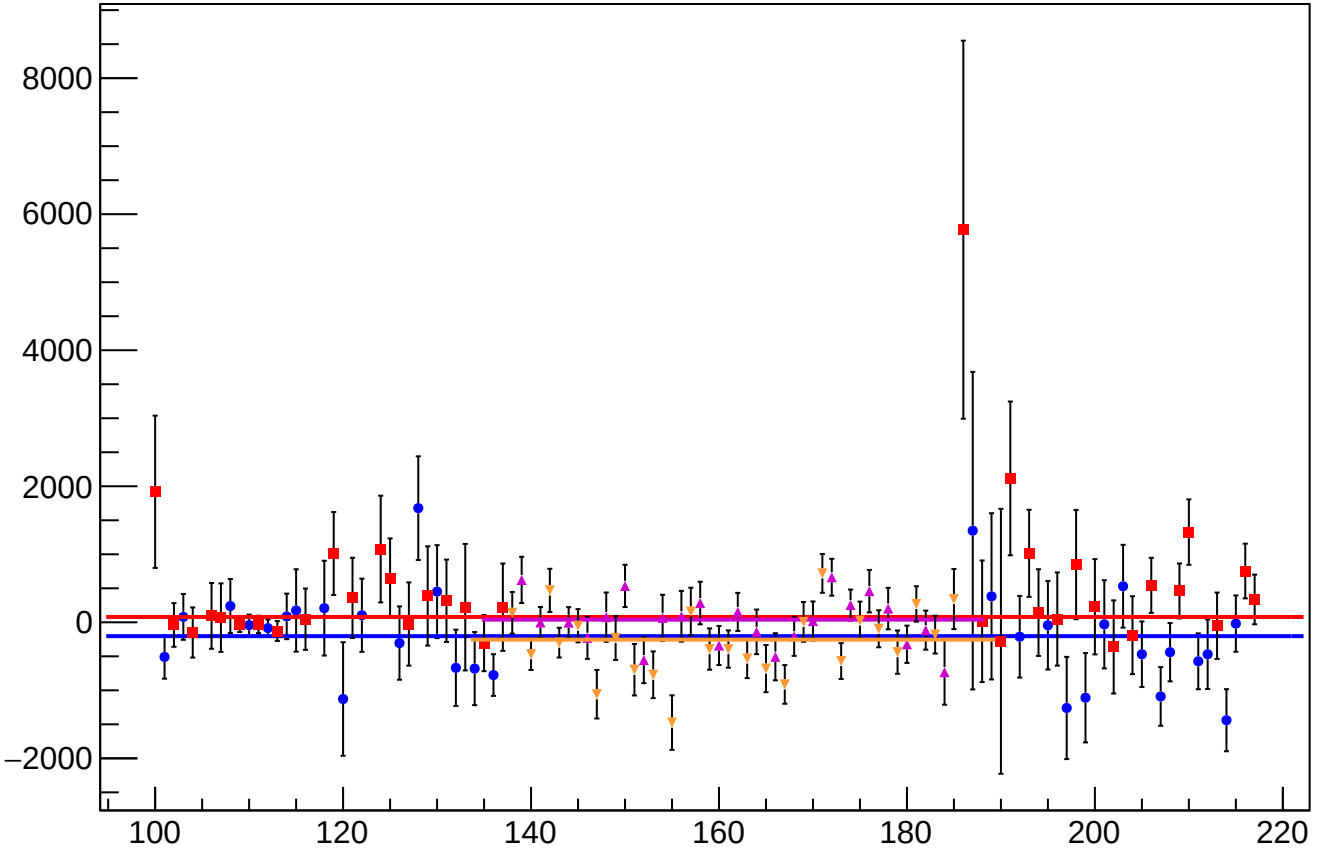
Right: 66.423+/-0.008 χ^2/NDF: 1574055.0/66

In: 62.064+/-0.007 χ^2/NDF:1128857.9/53

Out: 62.370+/-0.007 χ^2/NDF:1793372.0/60

All: 62.220+/-0.005 χ^2/NDF: 2923148.5/114

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 78.285+/-58.107 χ^2/NDF: 36.9/35

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

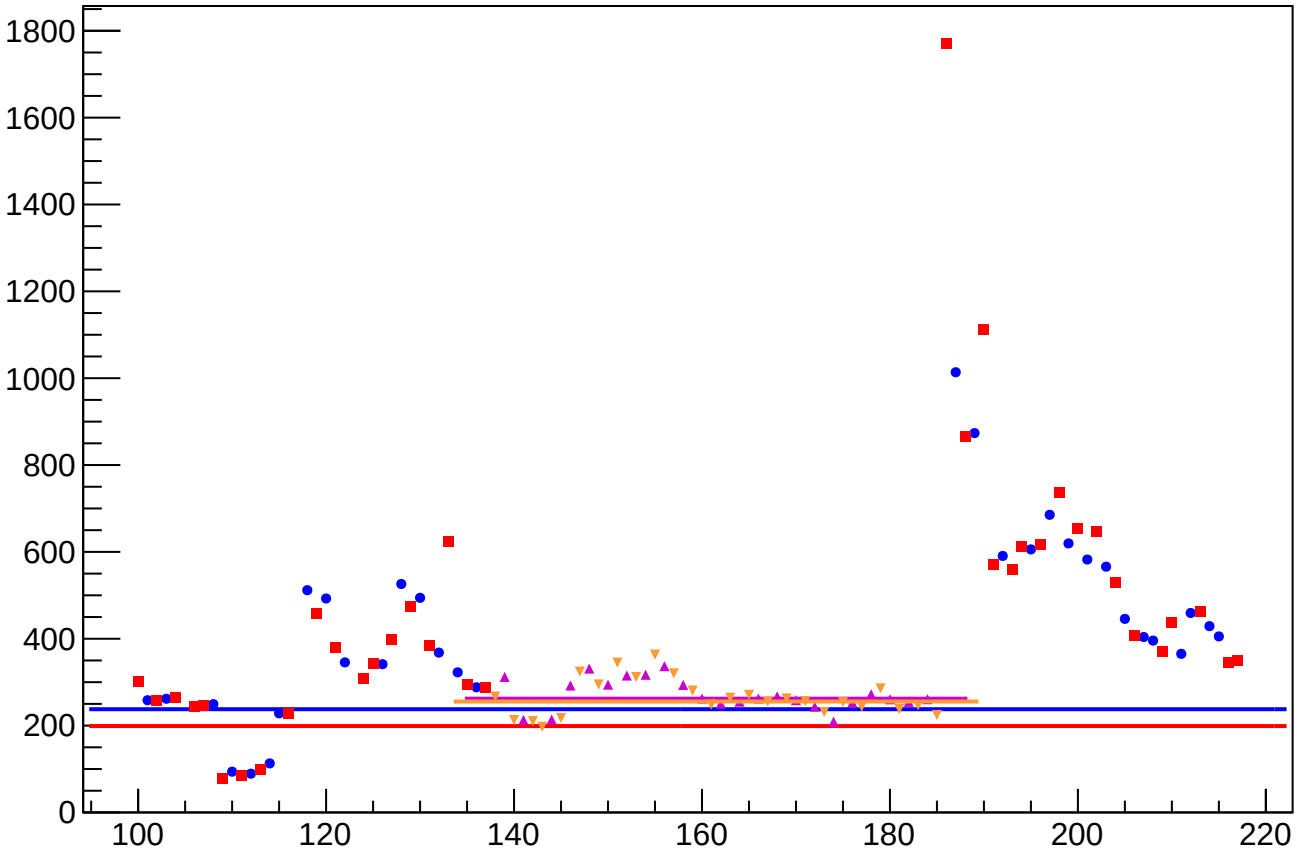
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -42.751+/-43.894 χ^2/NDF: 86.5/66

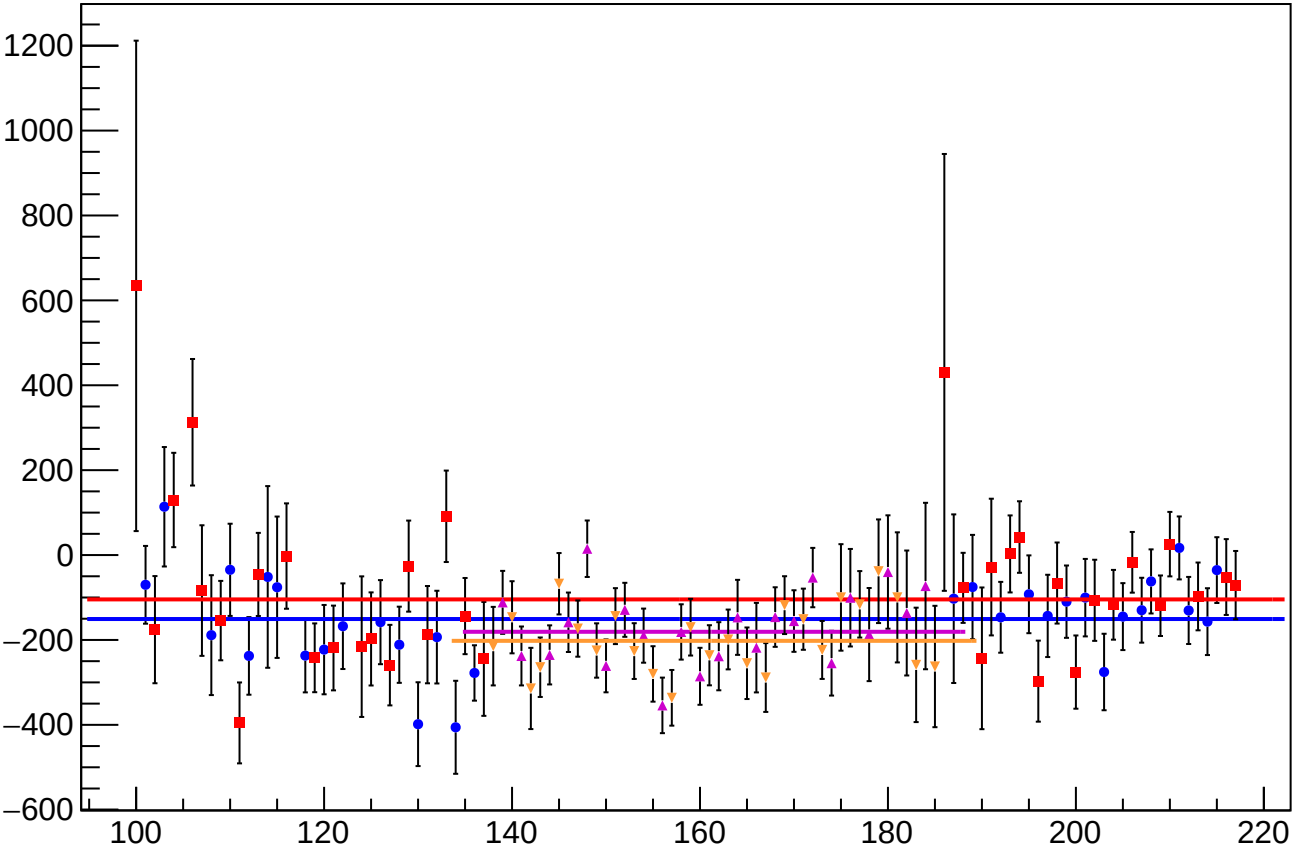
In: -72.634+/-45.456 χ^2/NDF:74.9/53

Out: -85.979+/-41.357 χ^2/NDF:110.7/60

All: -79.935+/-30.591 χ^2/NDF: 185.7/114


asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
220
Right In: 237.752+/-0.047 χ²/NDF: 13020461.9/30
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 198.947+/-0.041 χ²/NDF: 17336278.5/35
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 215.608+/-0.031 χ²/NDF: 30739717.6/66
In: 250.839+/-0.032 χ²/NDF:13832511.1/53
Out: 226.836+/-0.029 χ²/NDF:19133915.3/60
All: 237.707+/-0.022 χ²/NDF: 33271536.8/11

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: -104.493+/-16.573 χ^2/NDF: 58.3/35

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

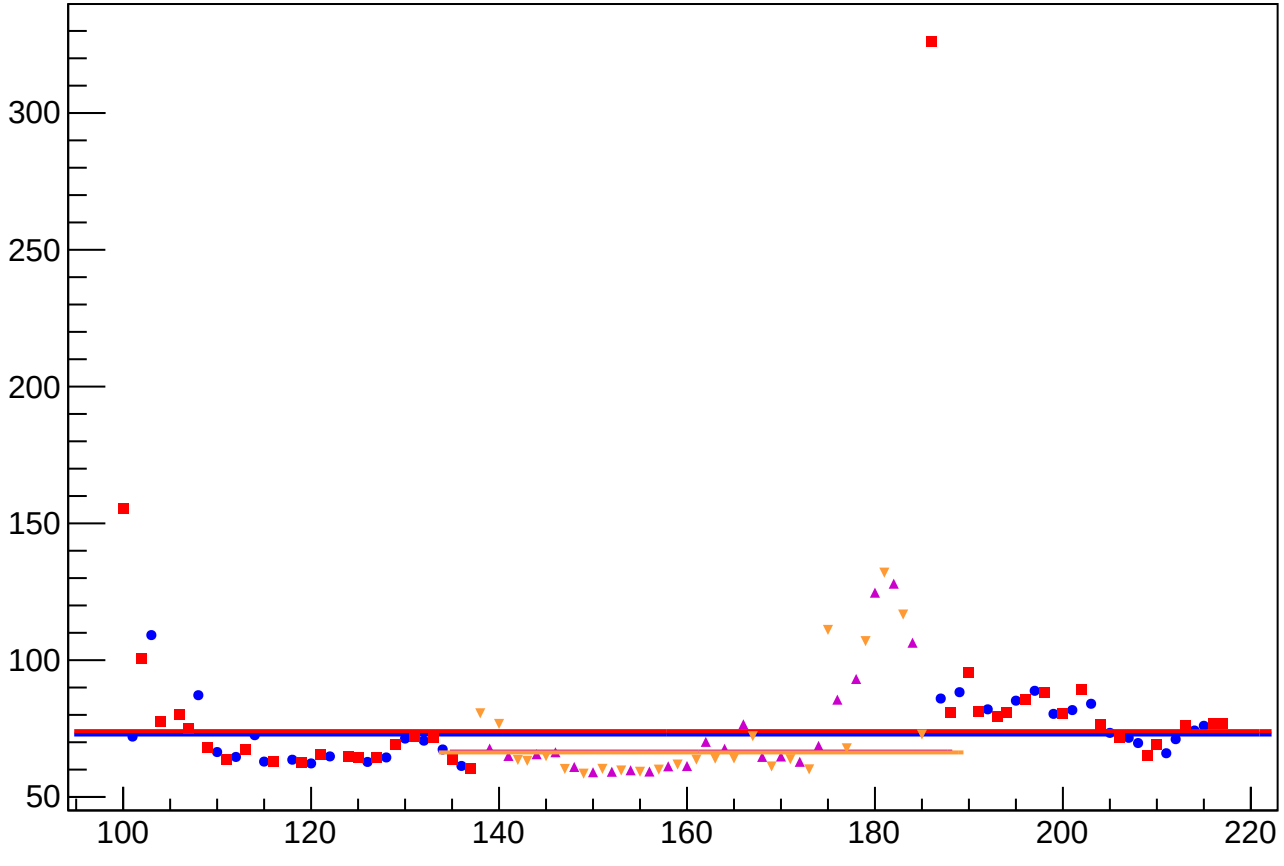
Right: -127.321+/-11.789 χ^2/NDF: 98.7/66

In: -166.437+/-11.585 χ^2/NDF:68.4/53

Out: -156.435+/-11.335 χ^2/NDF:98.3/60

All: -161.327+/-8.102 χ^2/NDF: 167.1/114

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: 74.065+/-0.012 χ^2/NDF: 1073510.0/35

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

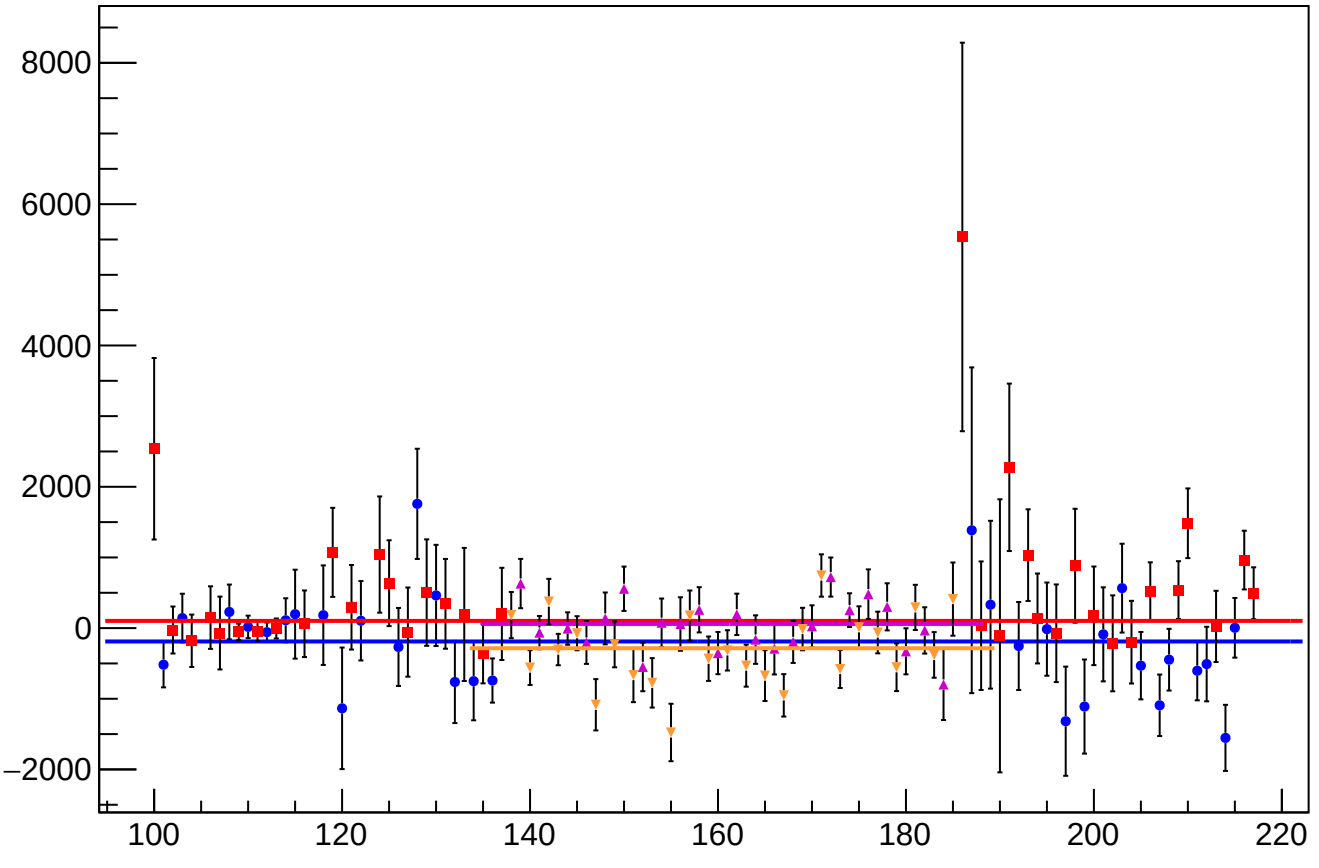
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.452+/-0.008 χ^2/NDF: 1672640.3/66

In: 69.561+/-0.008 χ^2/NDF:1896512.9/53

Out: 69.921+/-0.008 χ^2/NDF:2702308.7/60

All: 69.745+/-0.006 χ^2/NDF: 4599809.2/114



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: 102.290+/-59.627 χ^2/NDF: 40.5/35

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

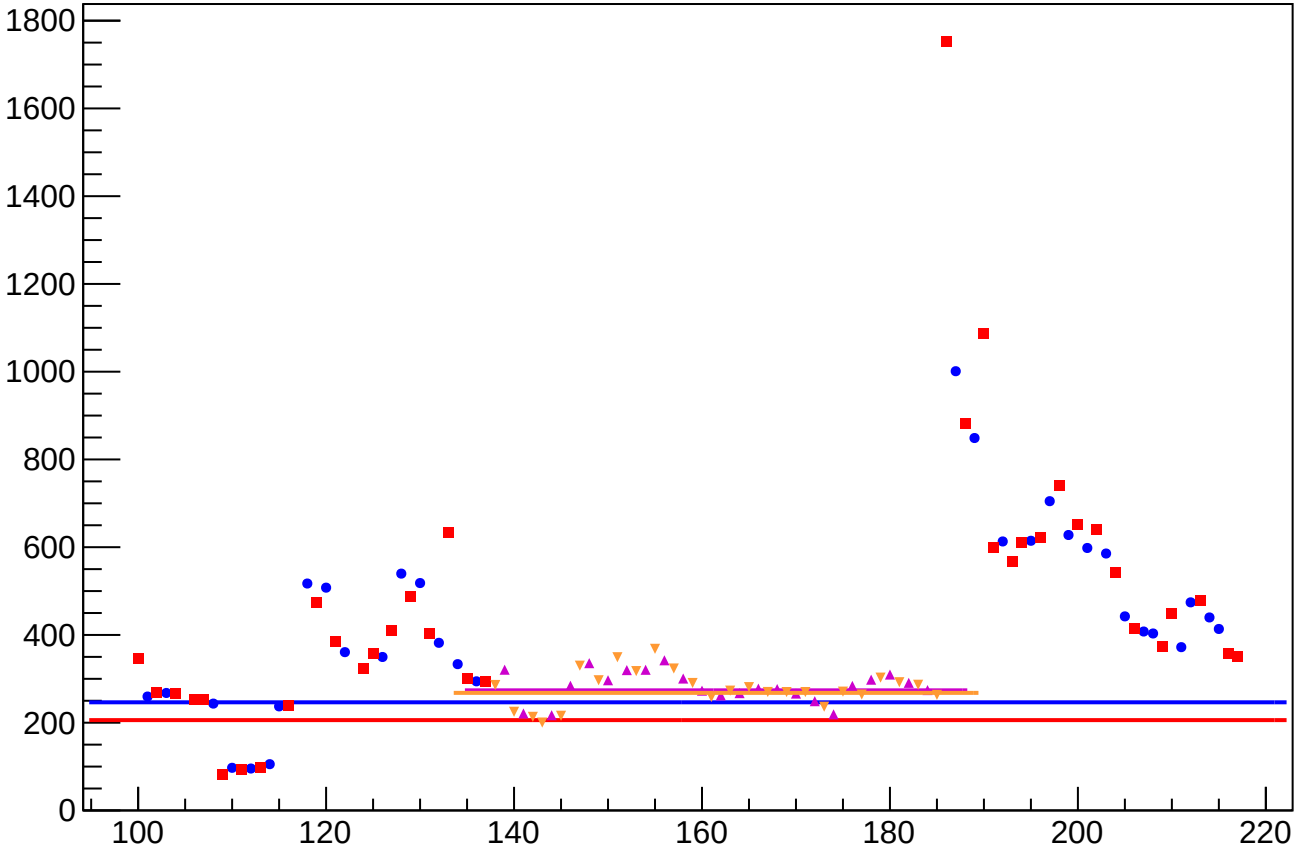
Right: -22.334+/-45.097 χ^2/NDF: 93.2/66

In: -56.895+/-47.151 χ^2/NDF:76.3/53

Out: -84.390+/-42.886 χ^2/NDF:115.4/60

All: -71.942+/-31.726 χ^2/NDF: 191.9/114

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: 205.883+/-0.042 χ^2/NDF: 17077729.5/35

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

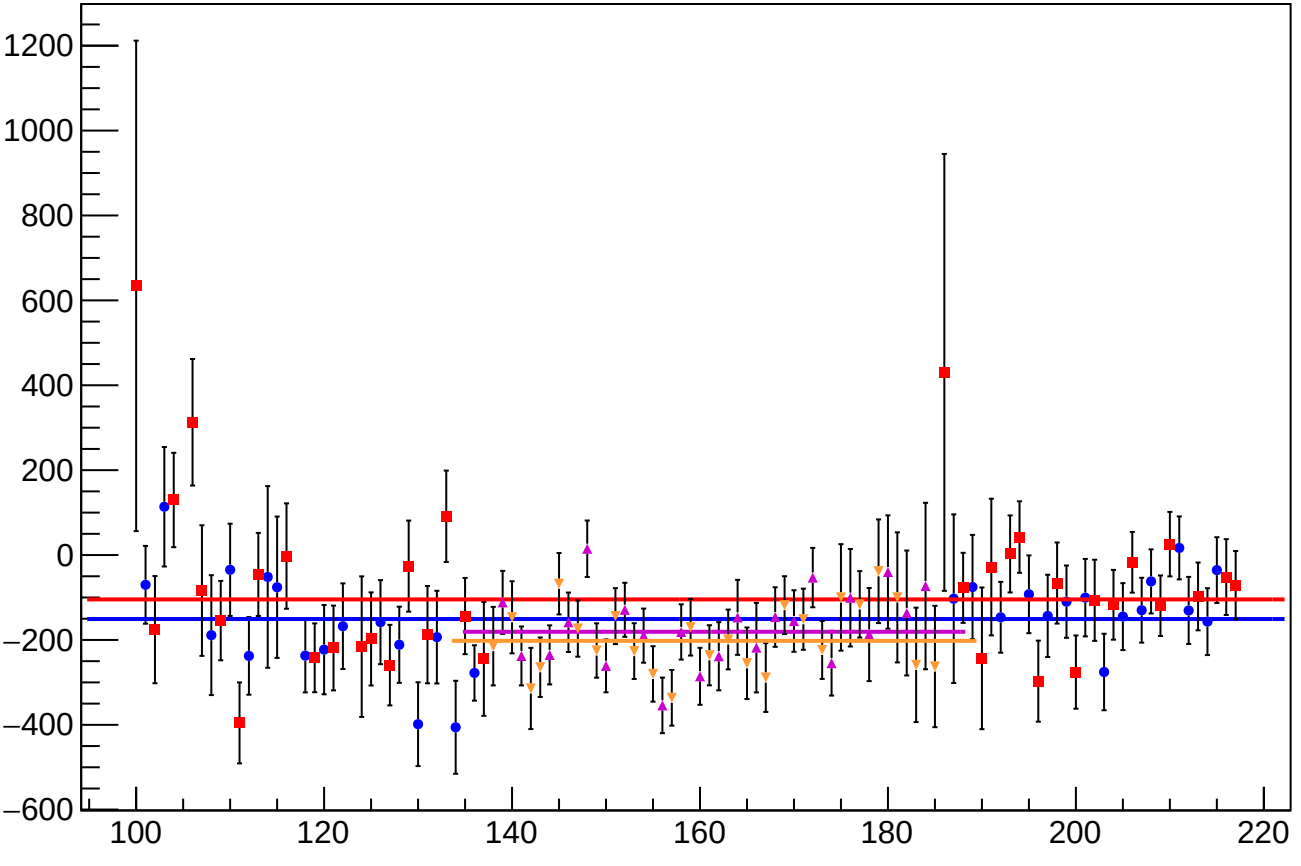
Right: 223.259+/-0.032 χ^2/NDF: 30174199.2/66

In: 260.993+/-0.033 χ^2/NDF:13516466.5/53

Out: 235.860+/-0.030 χ^2/NDF:18987726.7/60

All: 247.239+/-0.022 χ^2/NDF: 32815182.0/11

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: -104.495+/-16.573 χ^2/NDF: 58.3/35

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

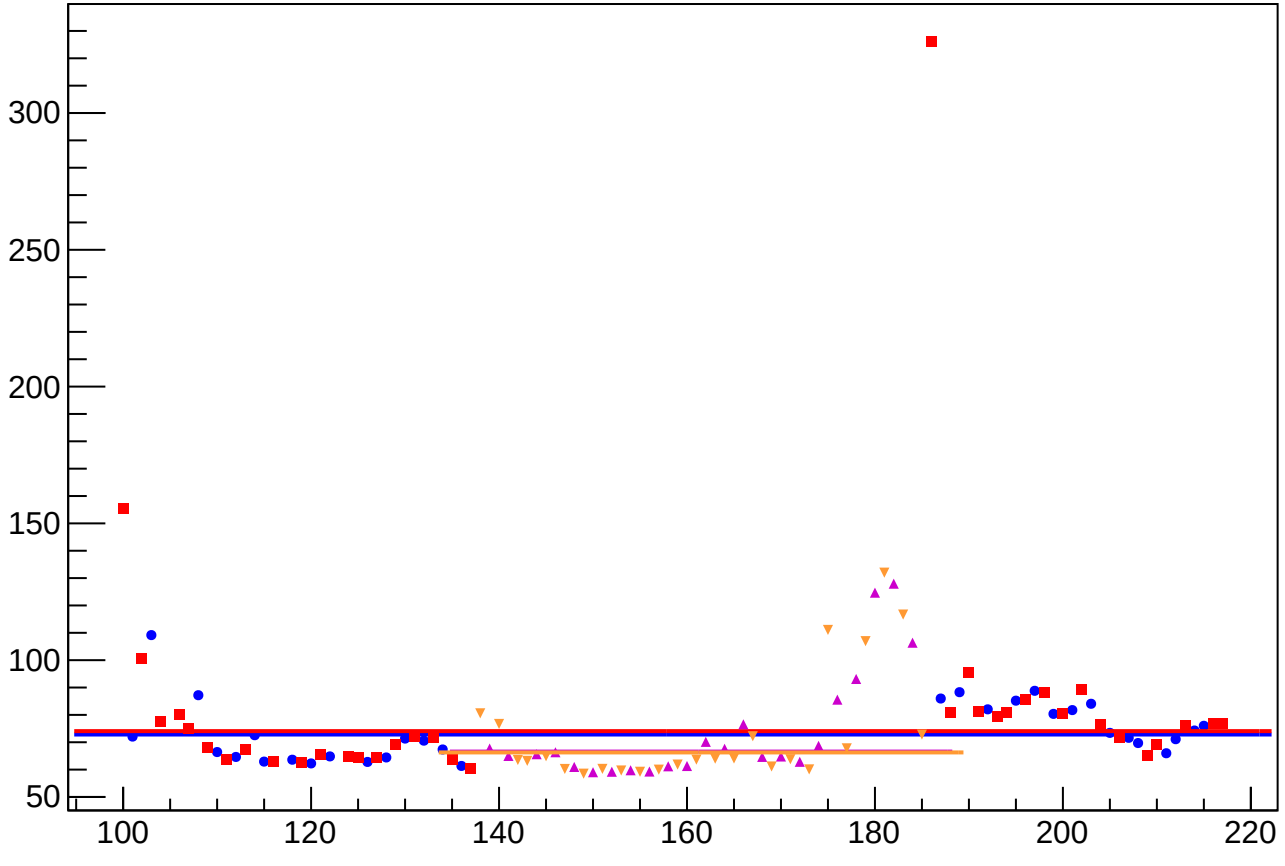
Right: -127.322+/-11.789 χ^2/NDF: 98.7/66

In: -166.437+/-11.585 χ^2/NDF:68.4/53

Out: -156.435+/-11.335 χ^2/NDF:98.3/60

All: -161.327+/-8.102 χ^2/NDF: 167.1/114

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: 74.065+/-0.012 χ^2/NDF: 1073514.7/35

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

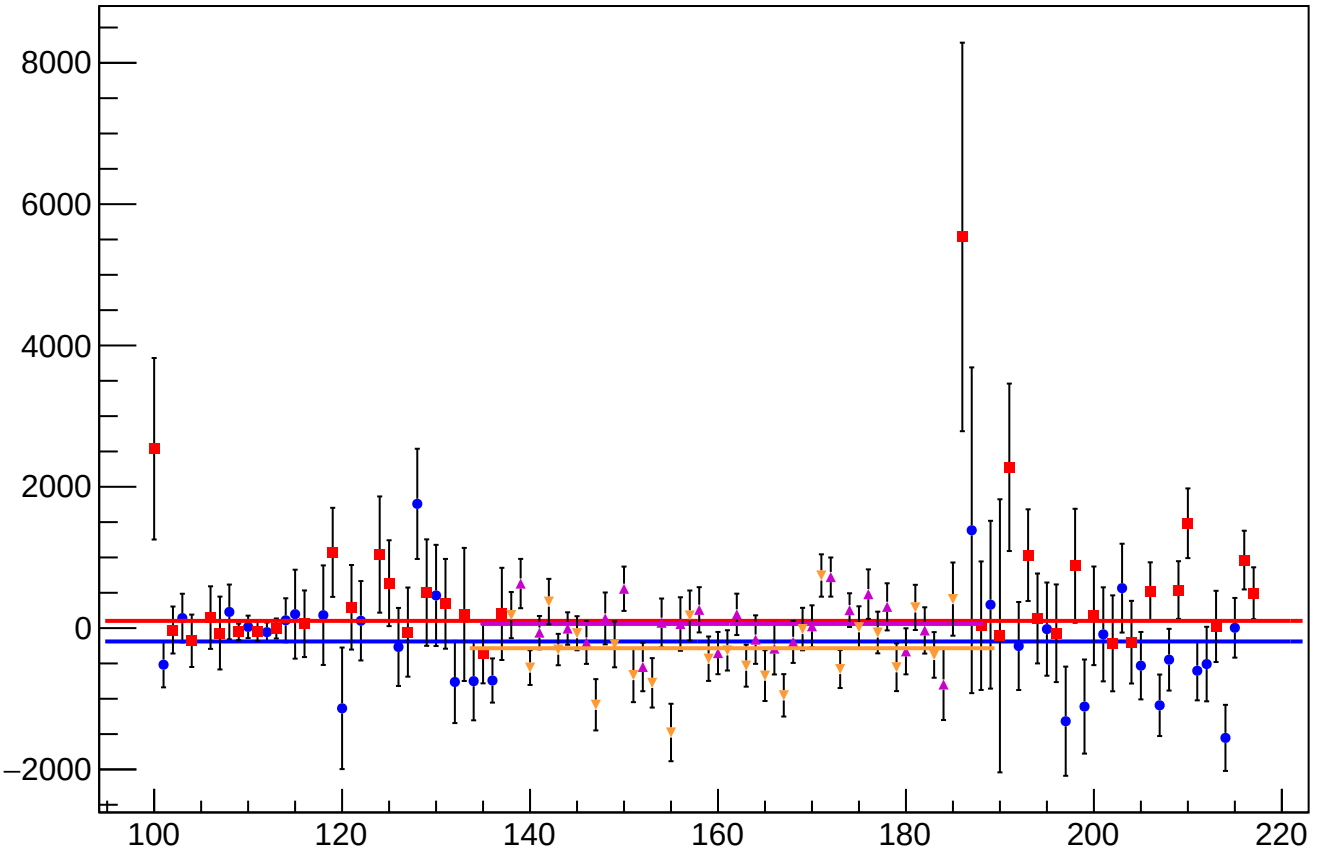
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 73.452+/-0.008 χ^2/NDF: 1672648.3/66

In: 69.561+/-0.008 χ^2/NDF:1896501.7/53

Out: 69.921+/-0.008 χ^2/NDF:2702304.4/60

All: 69.745+/-0.006 χ^2/NDF: 4599793.6/114



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: 102.289+/-59.627 χ^2/NDF: 40.5/35

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

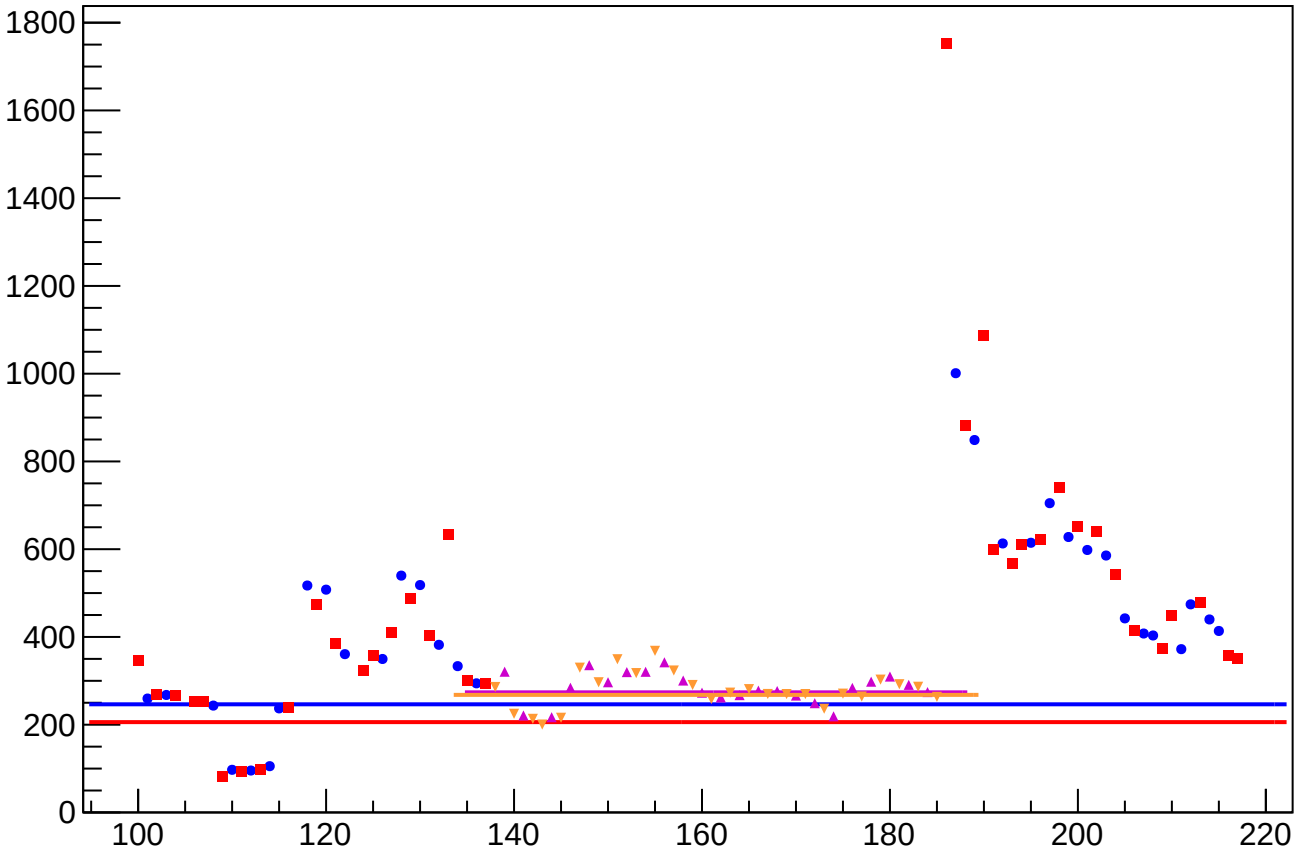
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -22.334+/-45.097 χ^2/NDF: 93.2/66

In: -56.894+/-47.151 χ^2/NDF:76.3/53

Out: -84.391+/-42.886 χ^2/NDF:115.4/60

All: -71.942+/-31.726 χ^2/NDF: 191.9/114



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: 205.882+/-0.042 χ^2/NDF: 17077724.9/35

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

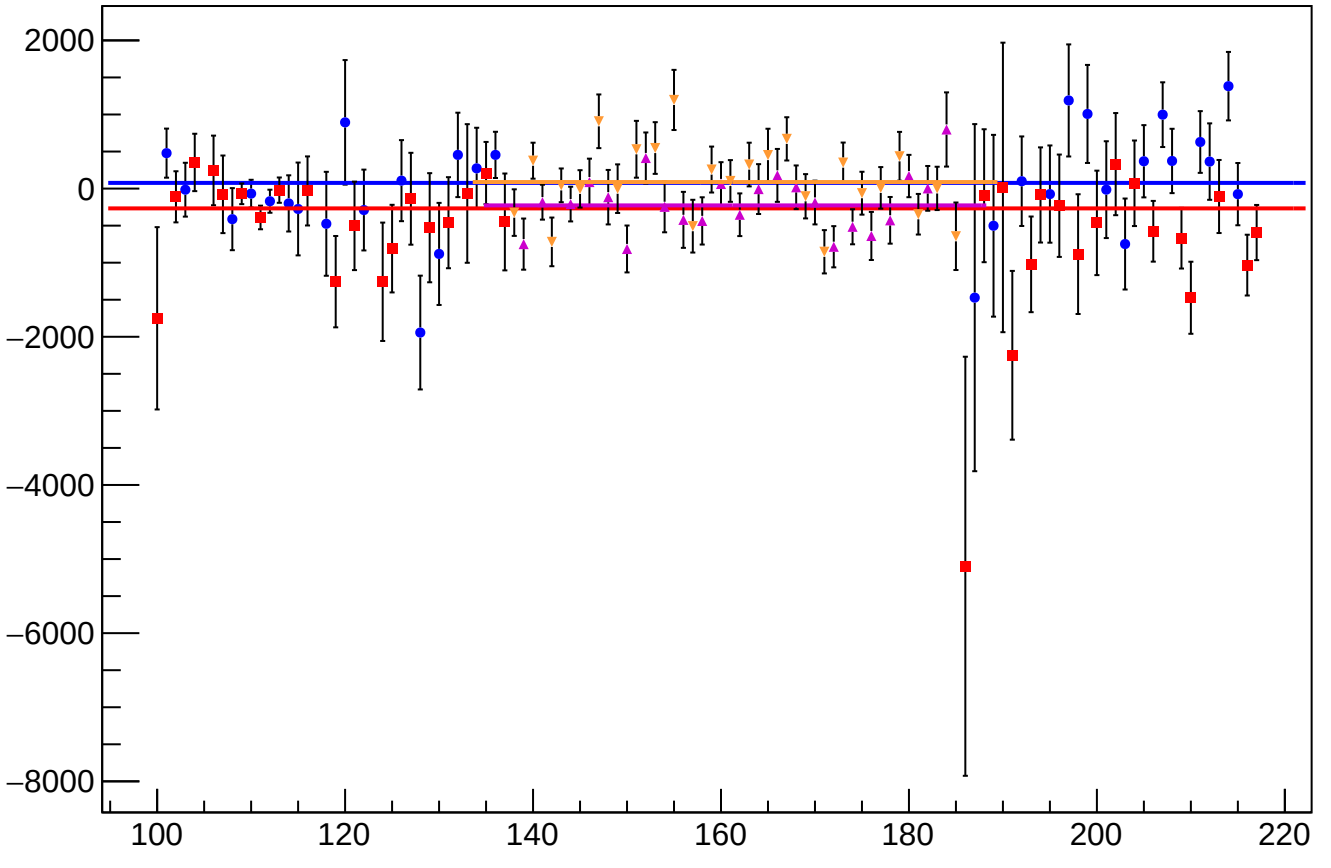
Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

Right: 223.258+/-0.032 χ^2/NDF: 30174258.8/66

In: 260.992+/-0.033 χ^2/NDF:13516569.3/53

Out: 235.859+/-0.030 χ^2/NDF:18987722.3/60

All: 247.238+/-0.022 χ^2/NDF: 32815266.1/11



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: -267.295+/-65.783 χ^2/NDF: 38.5/35

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

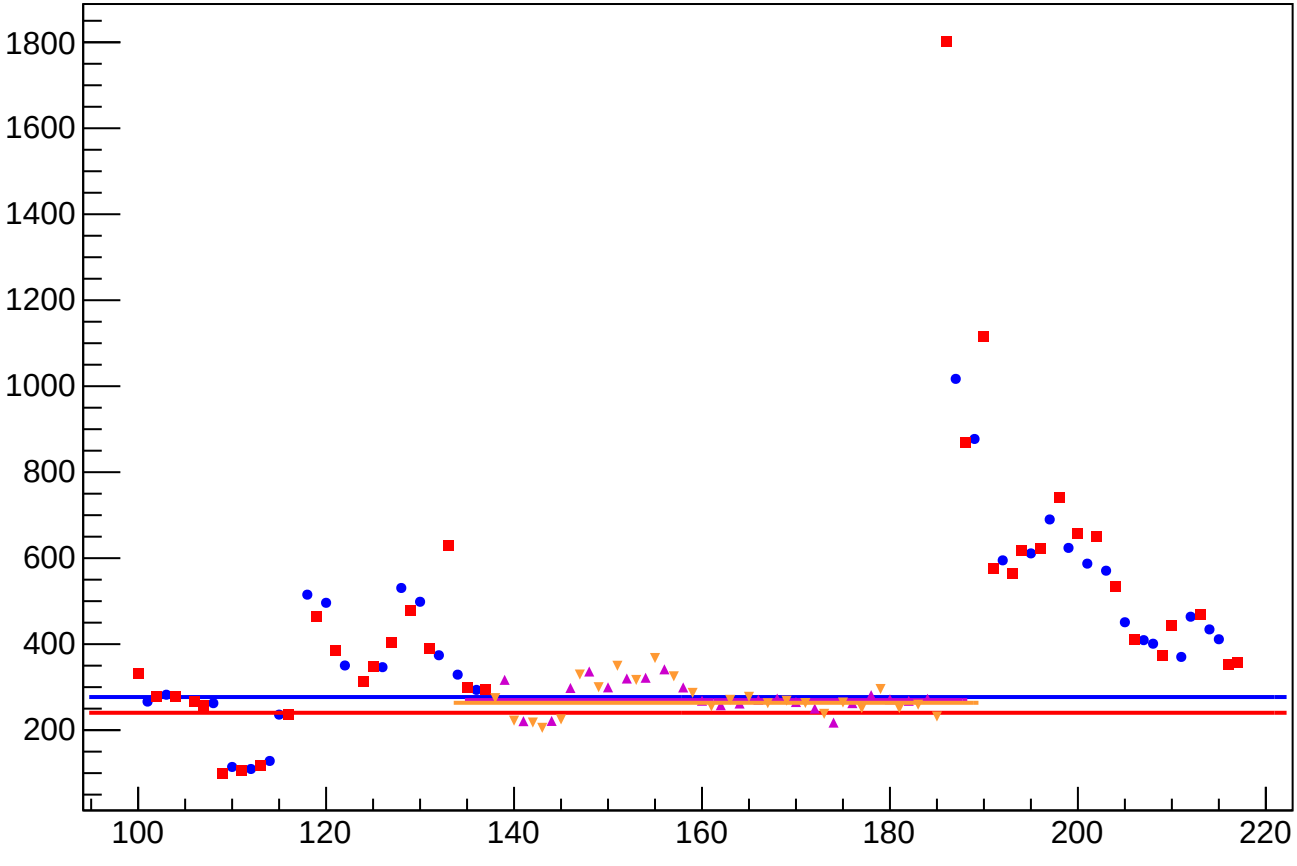
Right: -115.680+/-49.201 χ^2/NDF: 92.5/66

In: -97.916+/-48.301 χ^2/NDF:80.4/53

Out: -75.078+/-44.597 χ^2/NDF:106.5/60

All: -85.588+/-32.766 χ^2/NDF: 187.0/114

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: 240.378+/-0.047 χ^2/NDF: 14259941.1/35

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

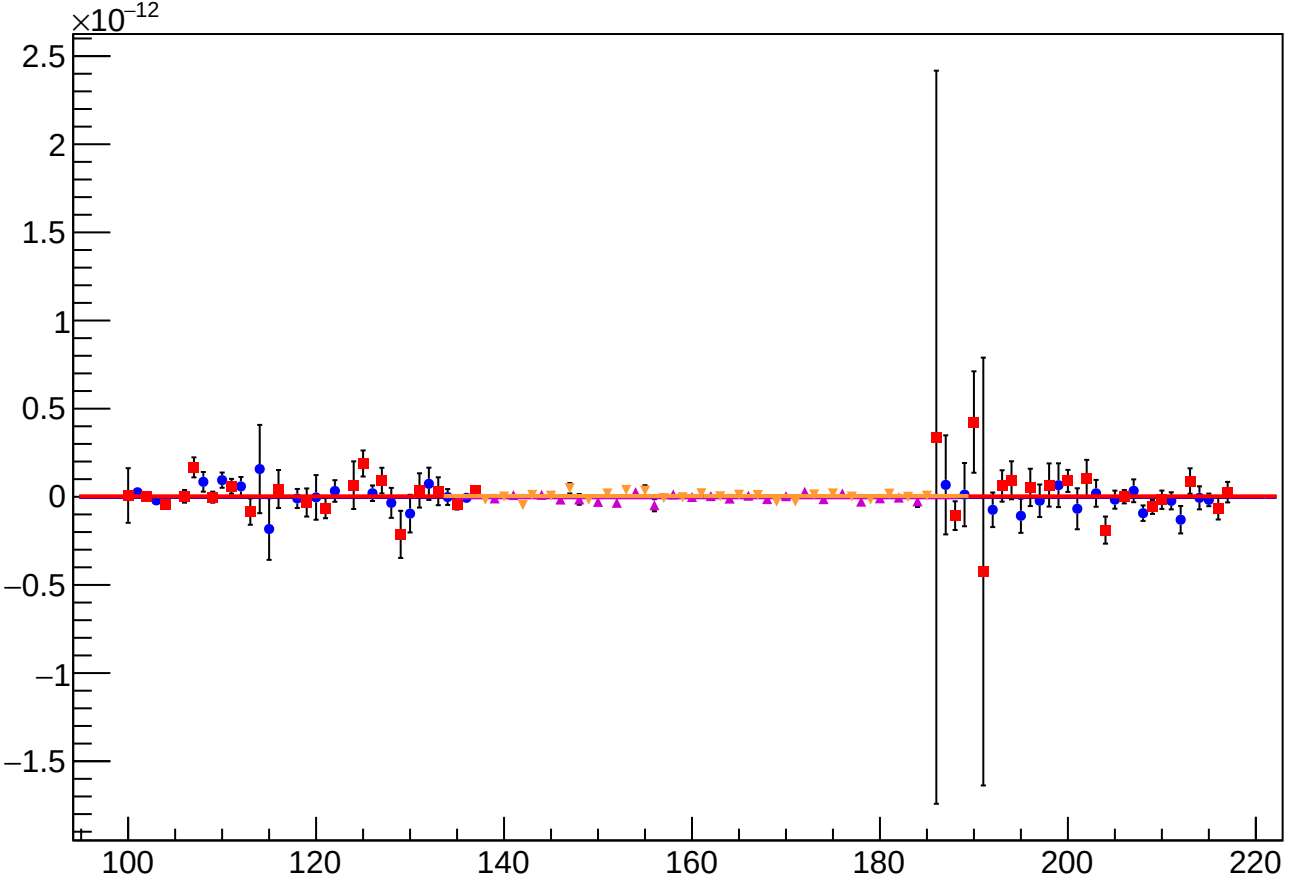
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 256.505+/-0.035 χ^2/NDF: 24829971.4/66

In: 272.905+/-0.034 χ^2/NDF:10909974.5/53

Out: 252.923+/-0.032 χ^2/NDF:15174391.3/60

All: 262.119+/-0.023 χ^2/NDF: 26269132.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 50.8/35

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

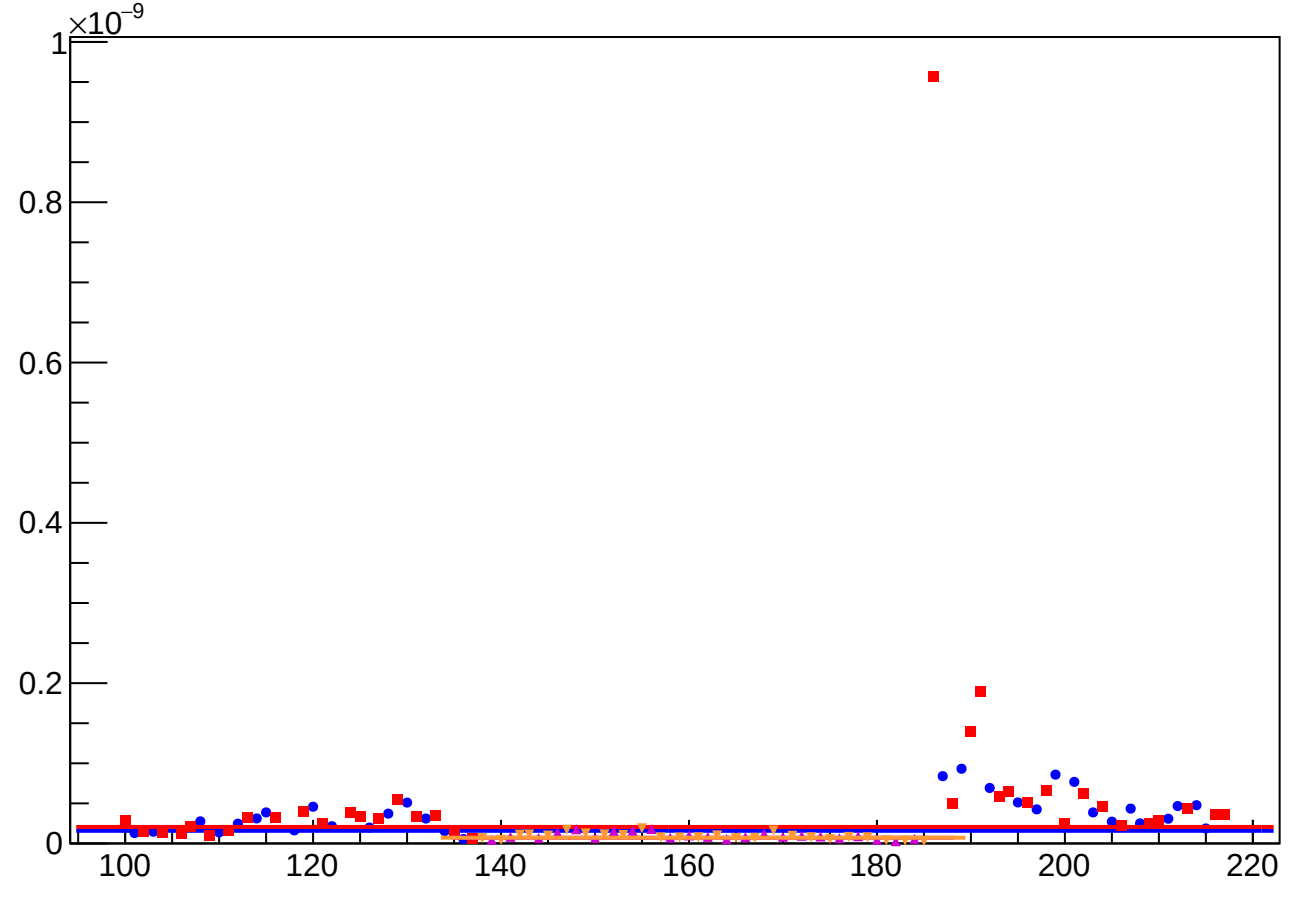
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 76.0/66

In: -0.000+/-0.000 χ^2/NDF:46.6/53

Out: 0.000+/-0.000 χ^2/NDF:78.8/60

All: 0.000+/-0.000 χ^2/NDF: 128.6/114



Right In: 0.000+/-0.000 χ^2/NDF: 6820503.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5210131.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

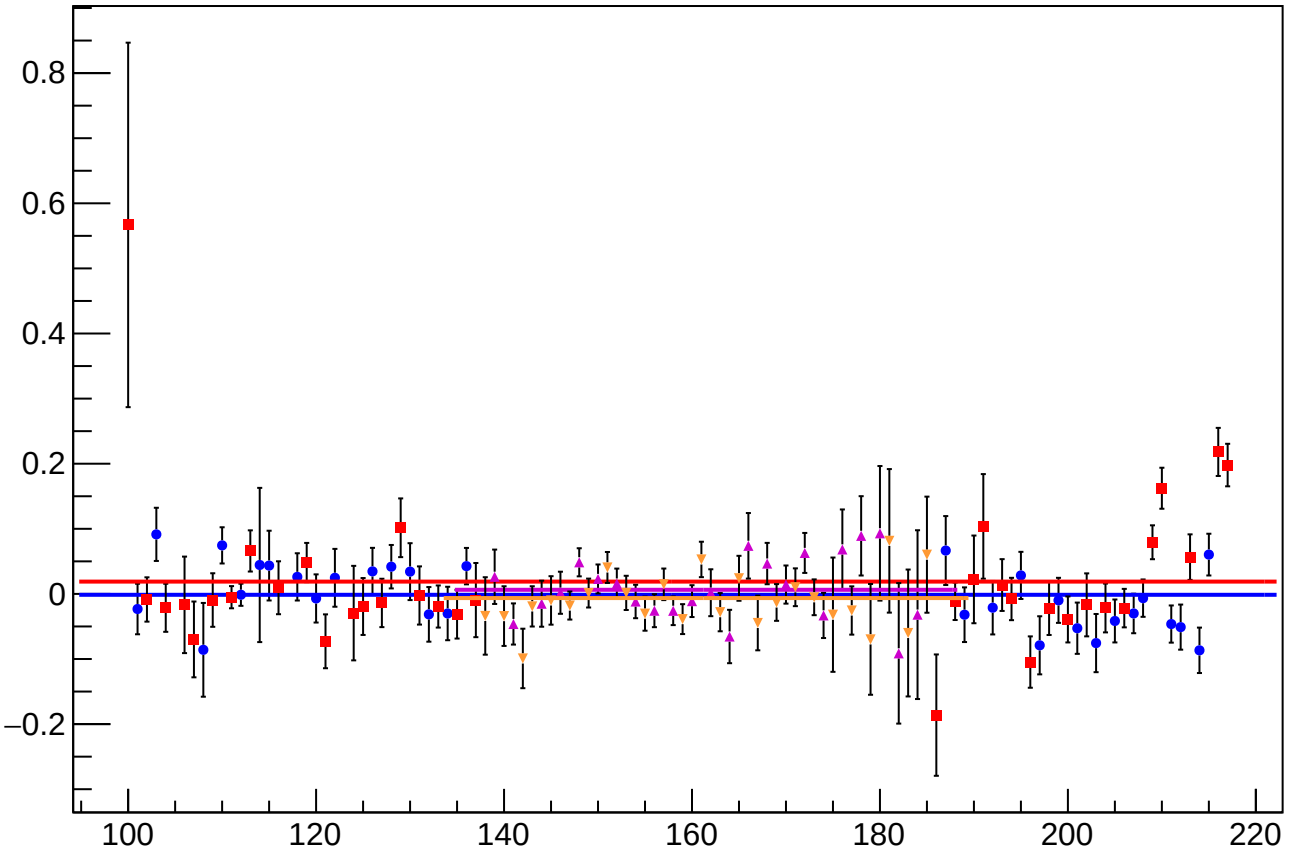
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12382041.0/66

In: 0.000+/-0.000 χ^2/NDF:11200010.6/53

Out: 0.000+/-0.000 χ^2/NDF:11406434.0/60

All: 0.000+/-0.000 χ^2/NDF: 22609993.3/114



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: 0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

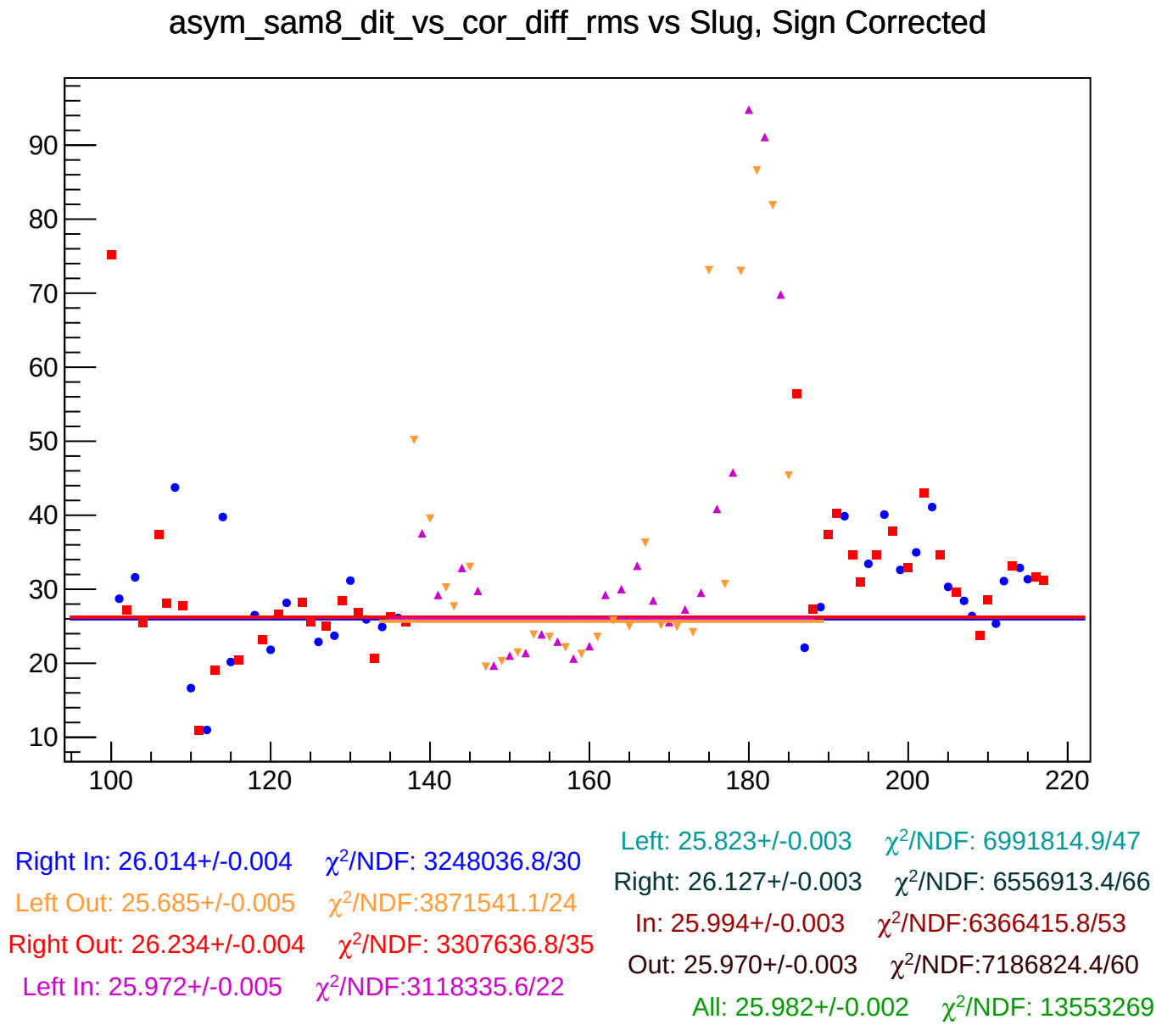
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

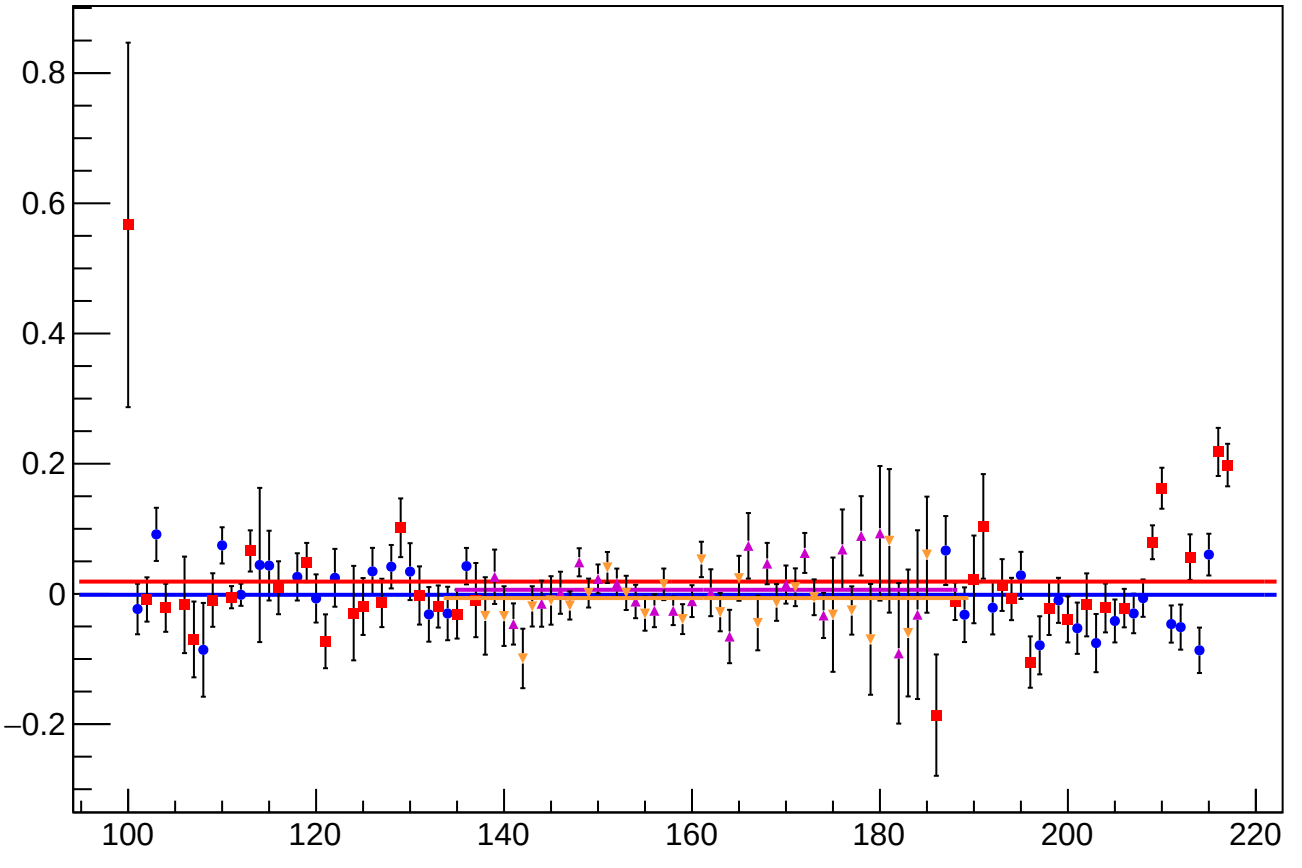
Right: 0.009+/-0.004 χ^2/NDF: 194.5/66

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: 0.007+/-0.004 χ^2/NDF:169.8/60

All: 0.005+/-0.003 χ^2/NDF: 249.5/114


asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 26.014+/-0.004 χ²/NDF: 3248036.8/30
Left Out: 25.685+/-0.005 χ²/NDF:3871541.1/24
Right Out: 26.234+/-0.004 χ²/NDF: 3307636.8/35
Left In: 25.972+/-0.005 χ²/NDF:3118335.6/22
Left: 25.823+/-0.003 χ²/NDF: 6991814.9/47
Right: 26.127+/-0.003 χ²/NDF: 6556913.4/66
In: 25.994+/-0.003 χ²/NDF:6366415.8/53
Out: 25.970+/-0.003 χ²/NDF:7186824.4/60
All: 25.982+/-0.002 χ²/NDF: 13553269.1/114



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: 0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

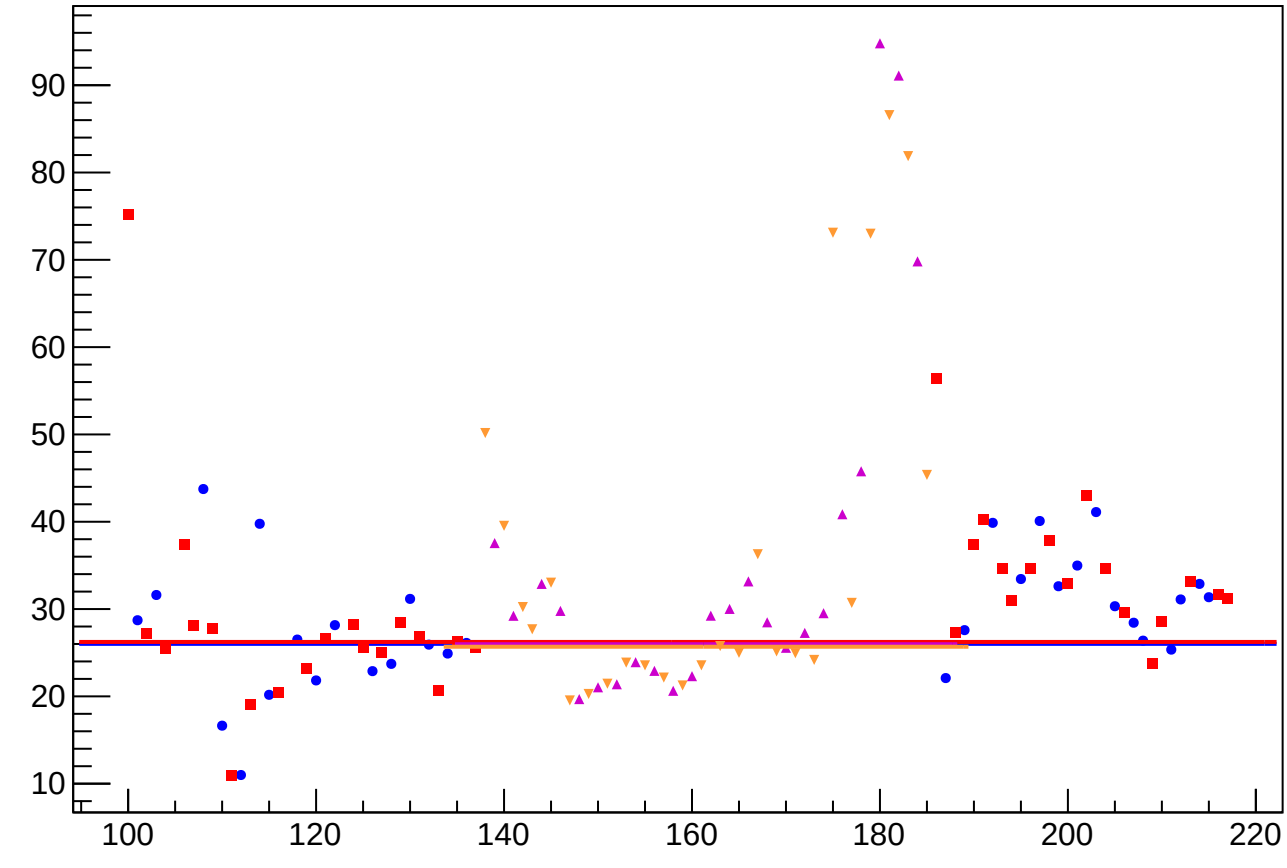
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.004 χ^2/NDF: 194.5/66

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: 0.007+/-0.004 χ^2/NDF:169.8/60

All: 0.005+/-0.003 χ^2/NDF: 249.5/114



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: 26.234+/-0.004 χ^2/NDF: 3307636.8/35

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

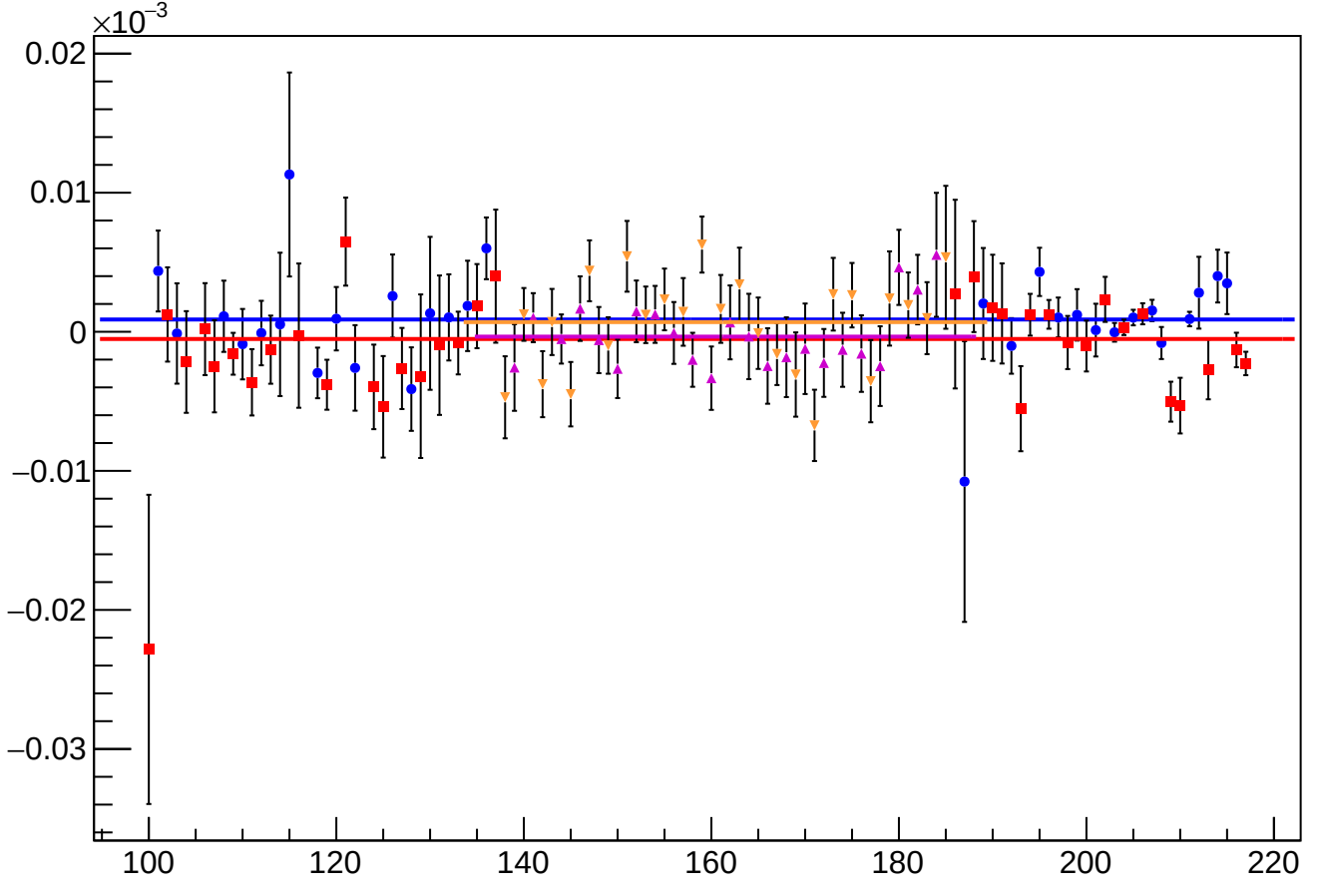
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 26.127+/-0.003 χ^2/NDF: 6556913.4/66

In: 25.994+/-0.003 χ^2/NDF:6366415.8/53

Out: 25.970+/-0.003 χ^2/NDF:7186824.4/60

All: 25.982+/-0.002 χ^2/NDF: 13553269.1/114



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: 62.4/35

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

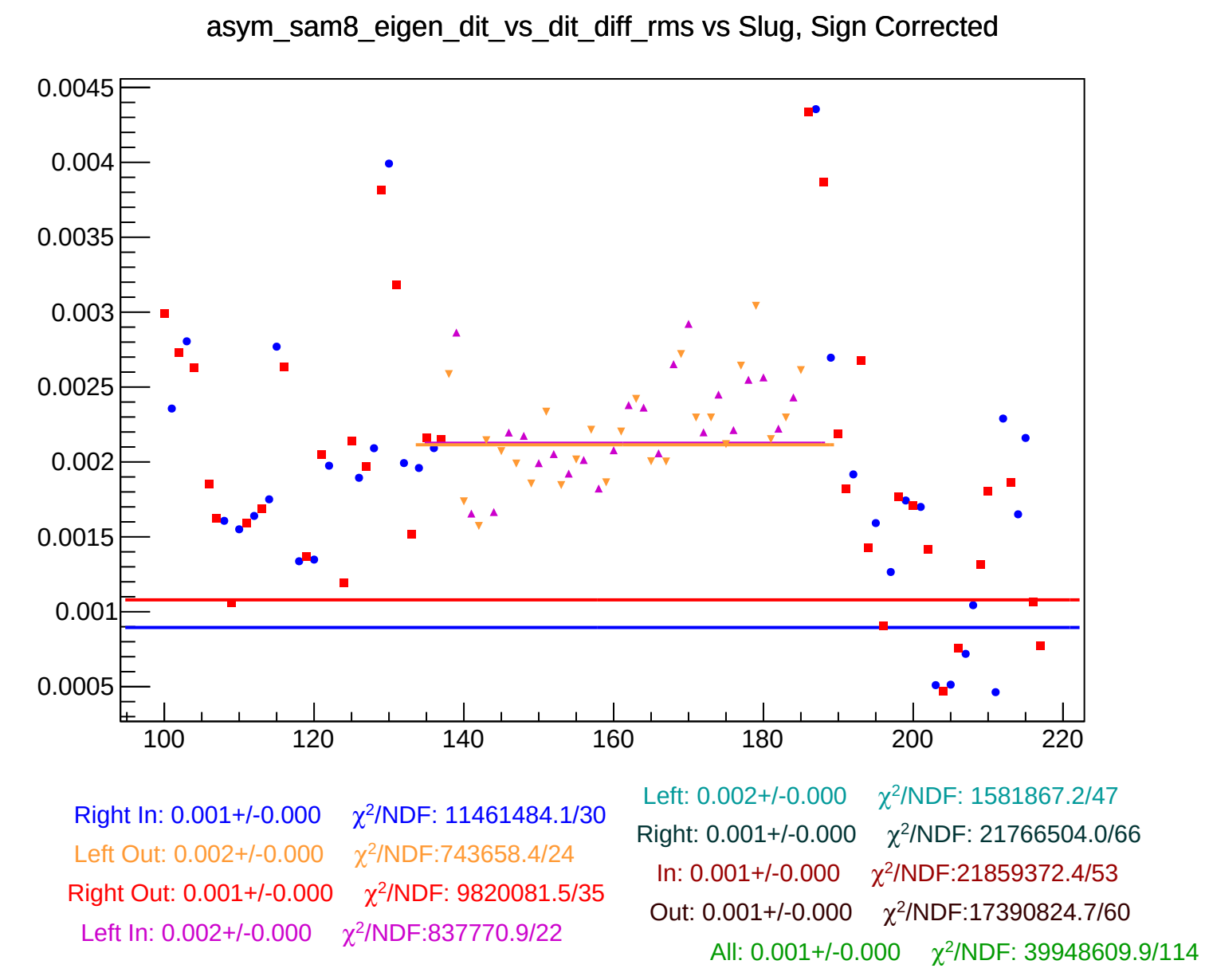
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

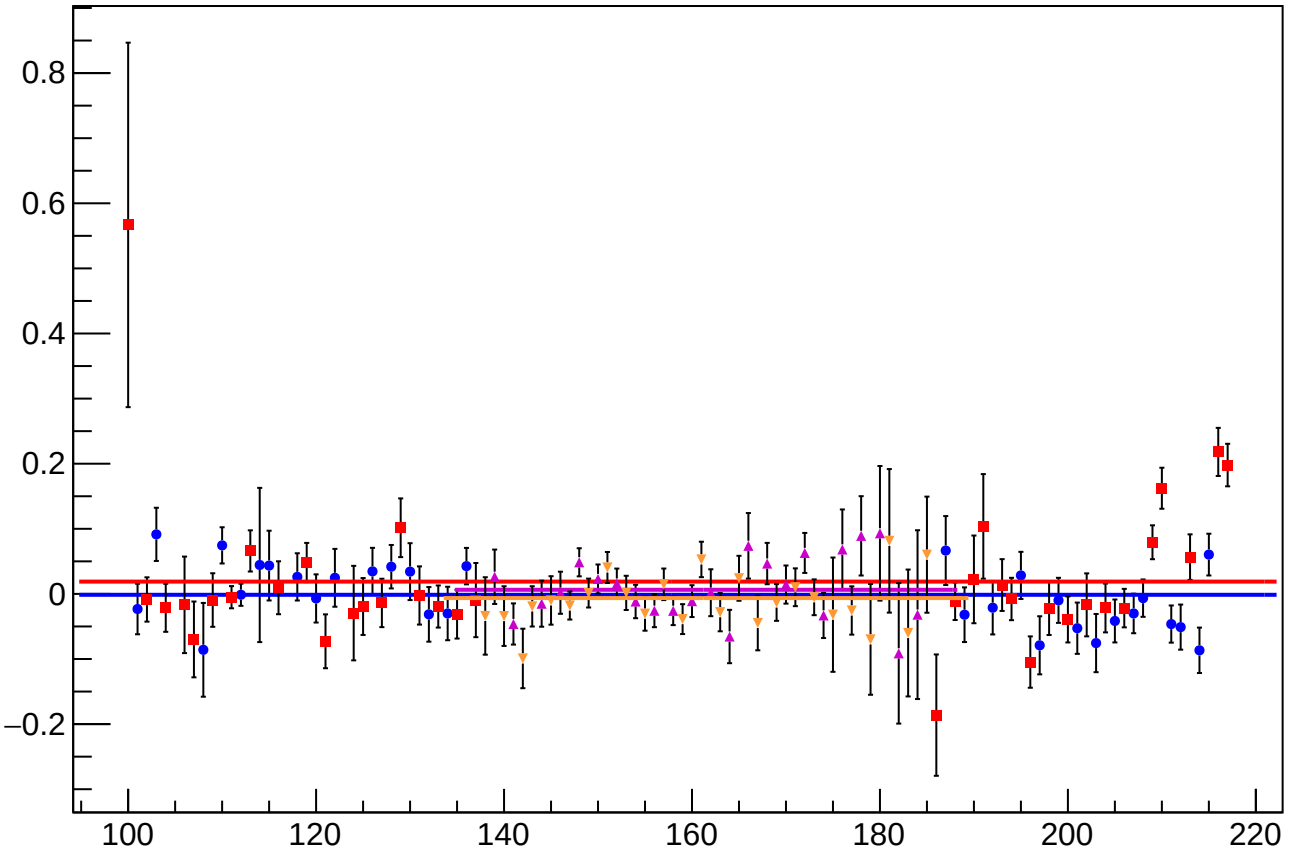
Right: 0.000+/-0.000 χ^2/NDF: 110.7/66

In: 0.000+/-0.000 χ^2/NDF:55.5/53

Out: -0.000+/-0.000 χ^2/NDF:111.4/60

All: 0.000+/-0.000 χ^2/NDF: 173.7/114


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: 9820081.5/35
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: 21766504.0/66
In: 0.001+/-0.000 χ²/NDF:21859372.4/53
Out: 0.001+/-0.000 χ²/NDF:17390824.7/60
All: 0.001+/-0.000 χ²/NDF: 39948609.9/114



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: 0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

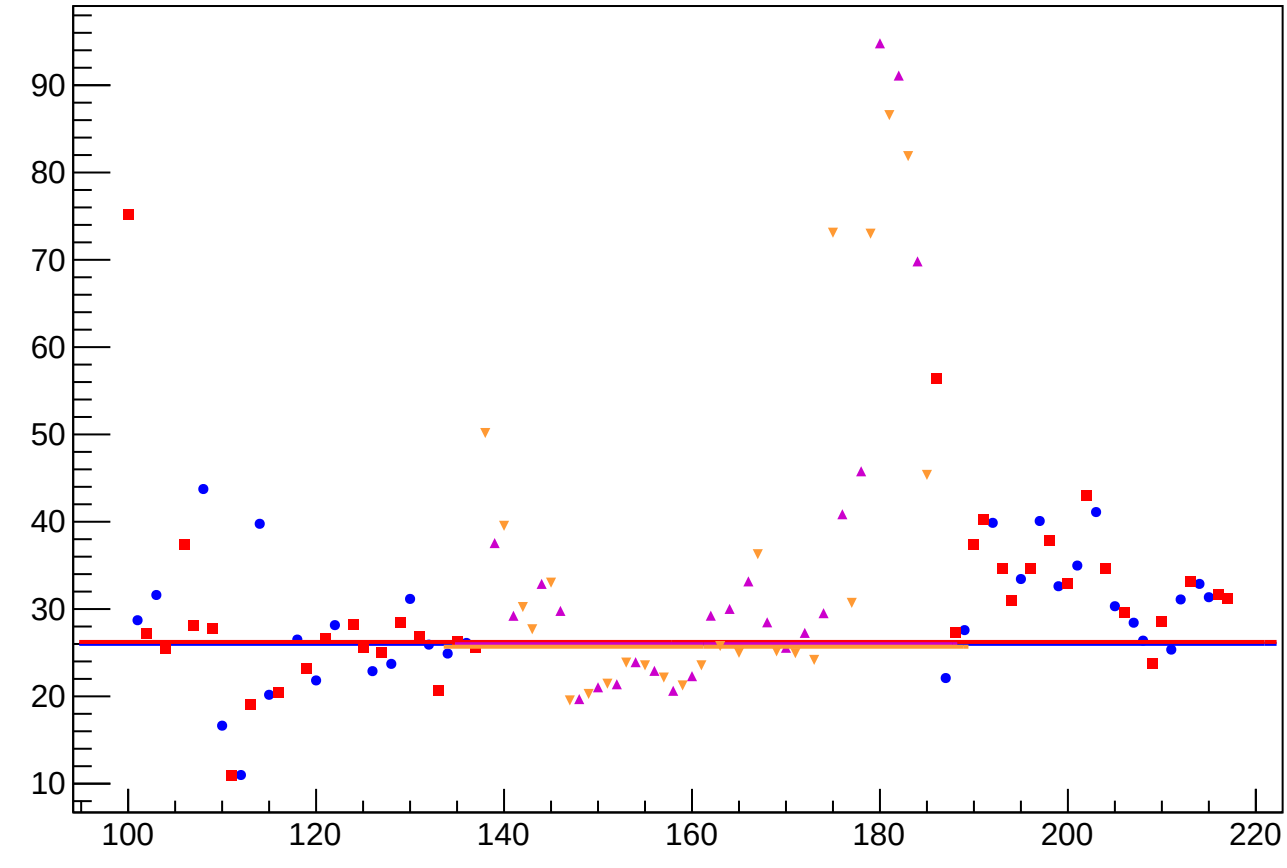
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.004 χ^2/NDF: 194.5/66

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: 0.007+/-0.004 χ^2/NDF:169.8/60

All: 0.005+/-0.003 χ^2/NDF: 249.5/114



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: 26.233+/-0.004 χ^2/NDF: 3307933.9/35

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

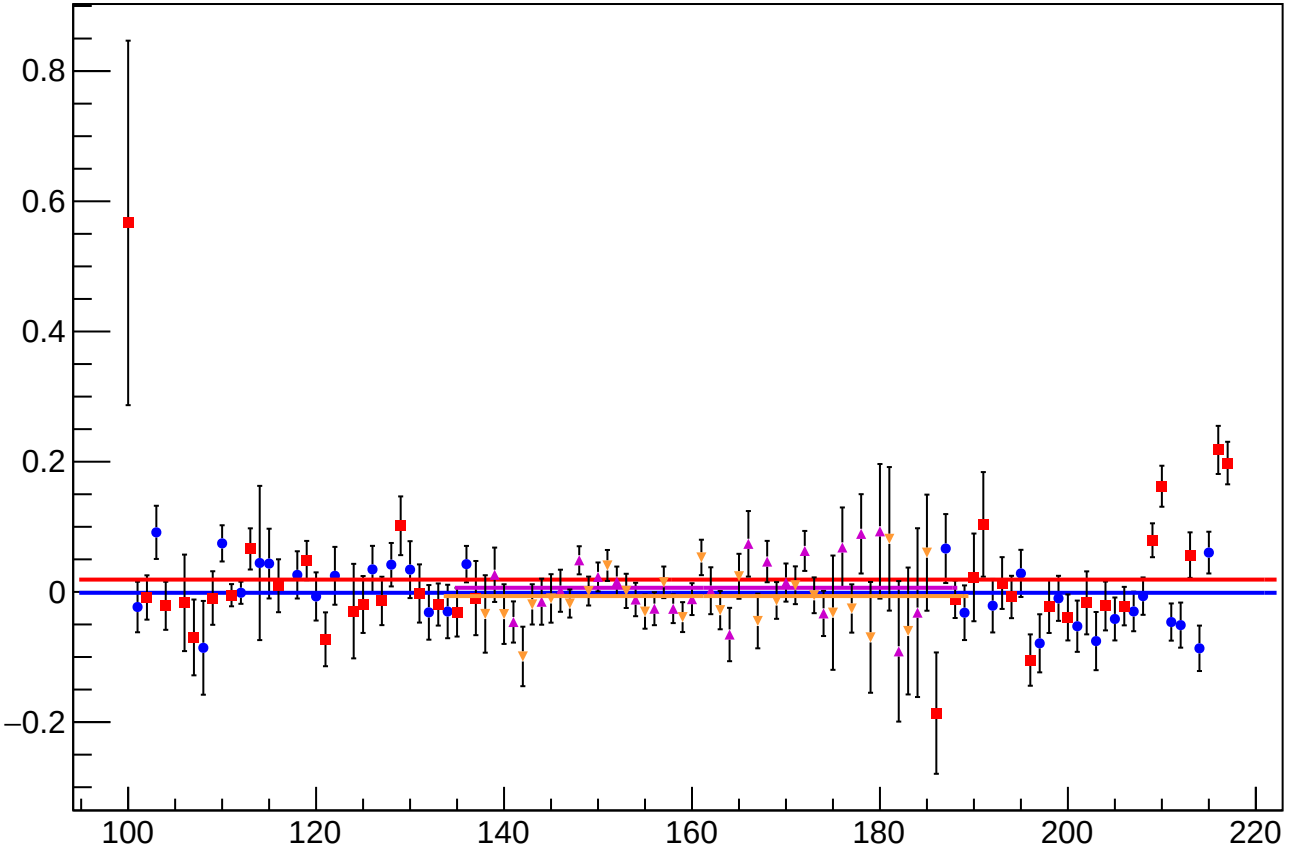
Right: 26.126+/-0.003 χ^2/NDF: 6557490.7/66

In: 25.994+/-0.003 χ^2/NDF:6366675.3/53

Out: 25.970+/-0.003 χ^2/NDF:7187107.4/60

All: 25.981+/-0.002 χ^2/NDF: 13553811.6/114

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

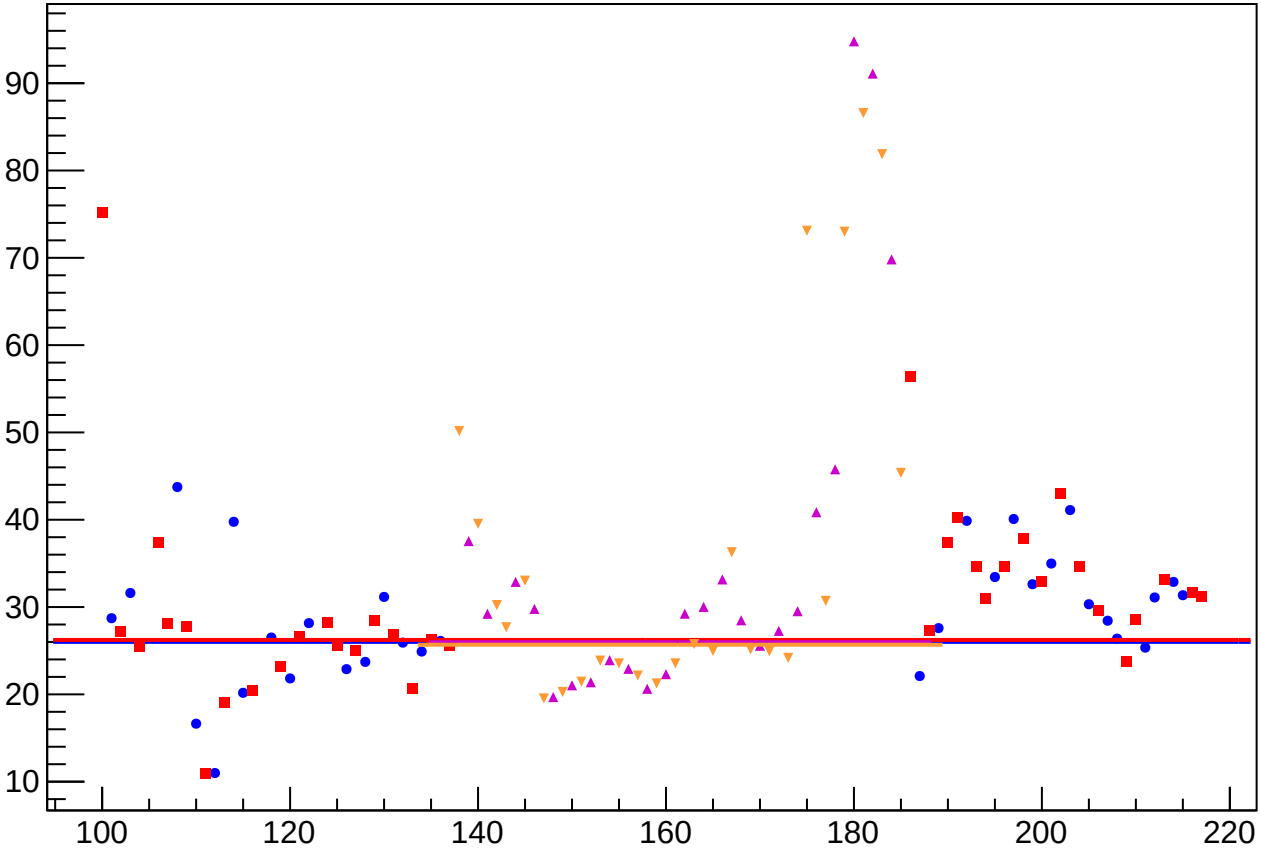
Right: 0.009+/-0.004 χ^2/NDF: 194.5/66

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: 0.007+/-0.004 χ^2/NDF:169.8/60

All: 0.005+/-0.003 χ^2/NDF: 249.5/114

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: 26.233+/-0.004 χ^2/NDF: 3307933.9/35

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

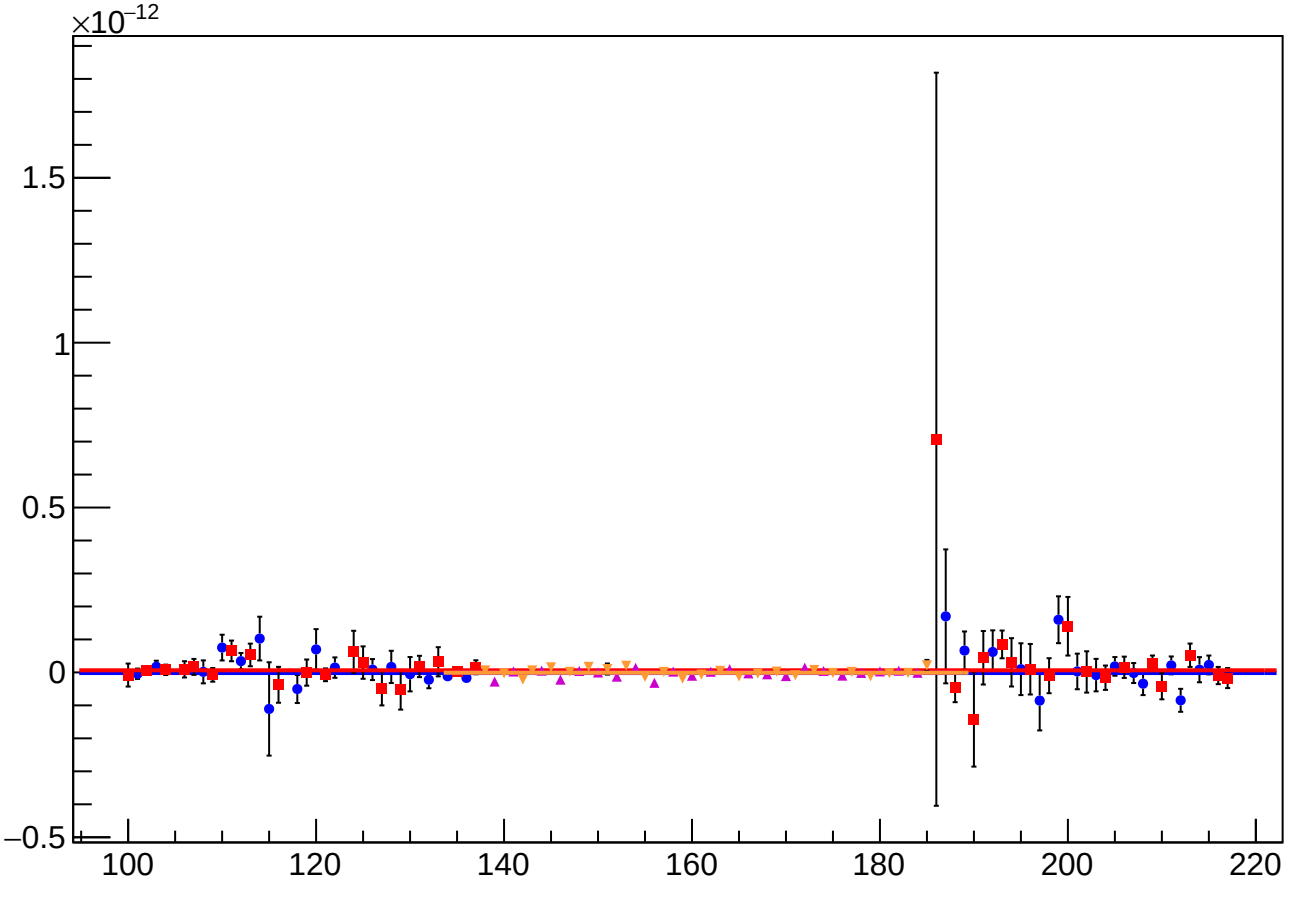
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 26.126+/-0.003 χ^2/NDF: 6557490.7/66

In: 25.994+/-0.003 χ^2/NDF:6366675.3/53

Out: 25.970+/-0.003 χ^2/NDF:7187107.4/60

All: 25.981+/-0.002 χ^2/NDF: 13553811.6/114



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: 25.6/35

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

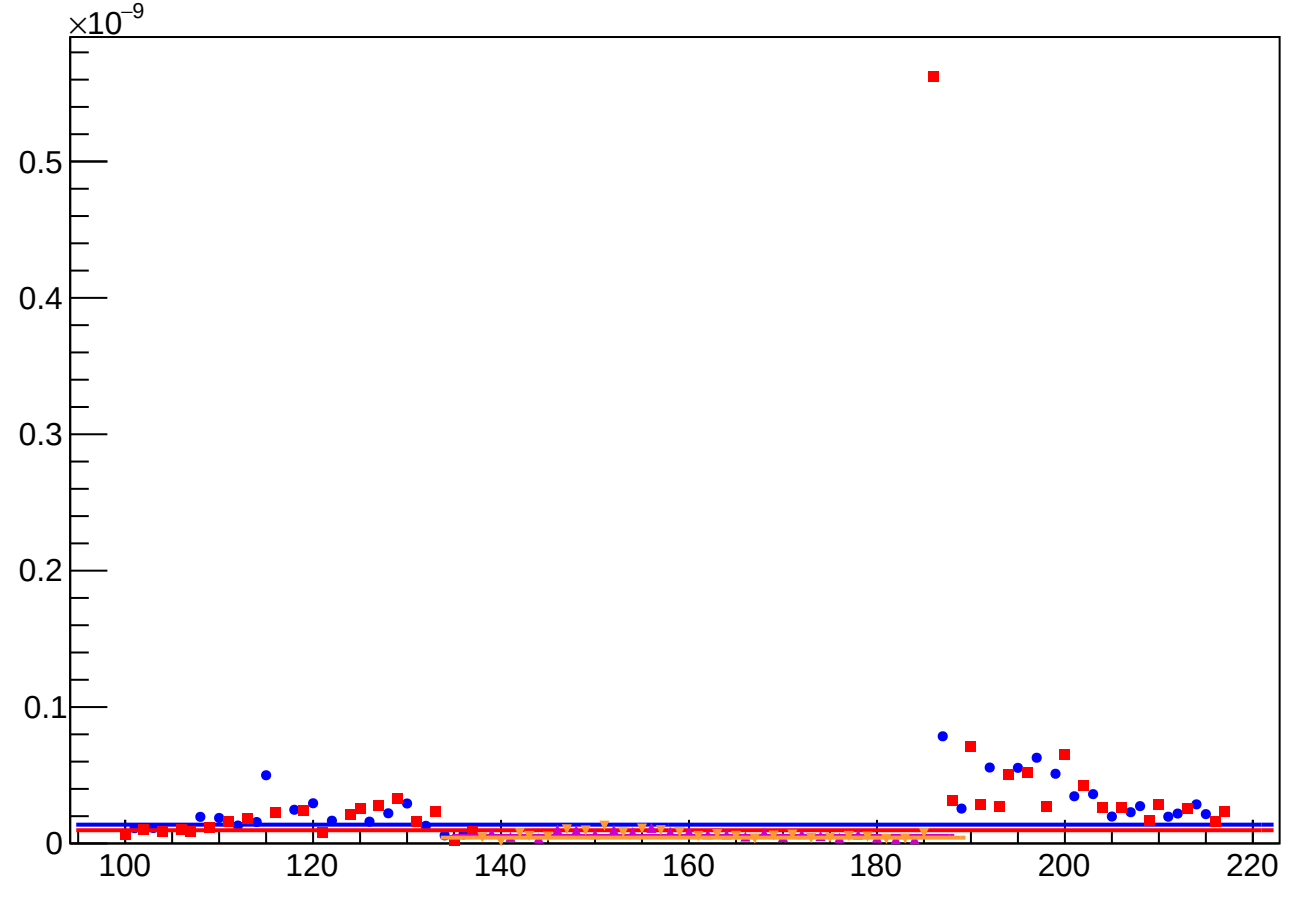
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.4/66

In: -0.000+/-0.000 χ^2/NDF:64.7/53

Out: -0.000+/-0.000 χ^2/NDF:57.5/60

All: -0.000+/-0.000 χ^2/NDF: 122.3/114



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: 11980535.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

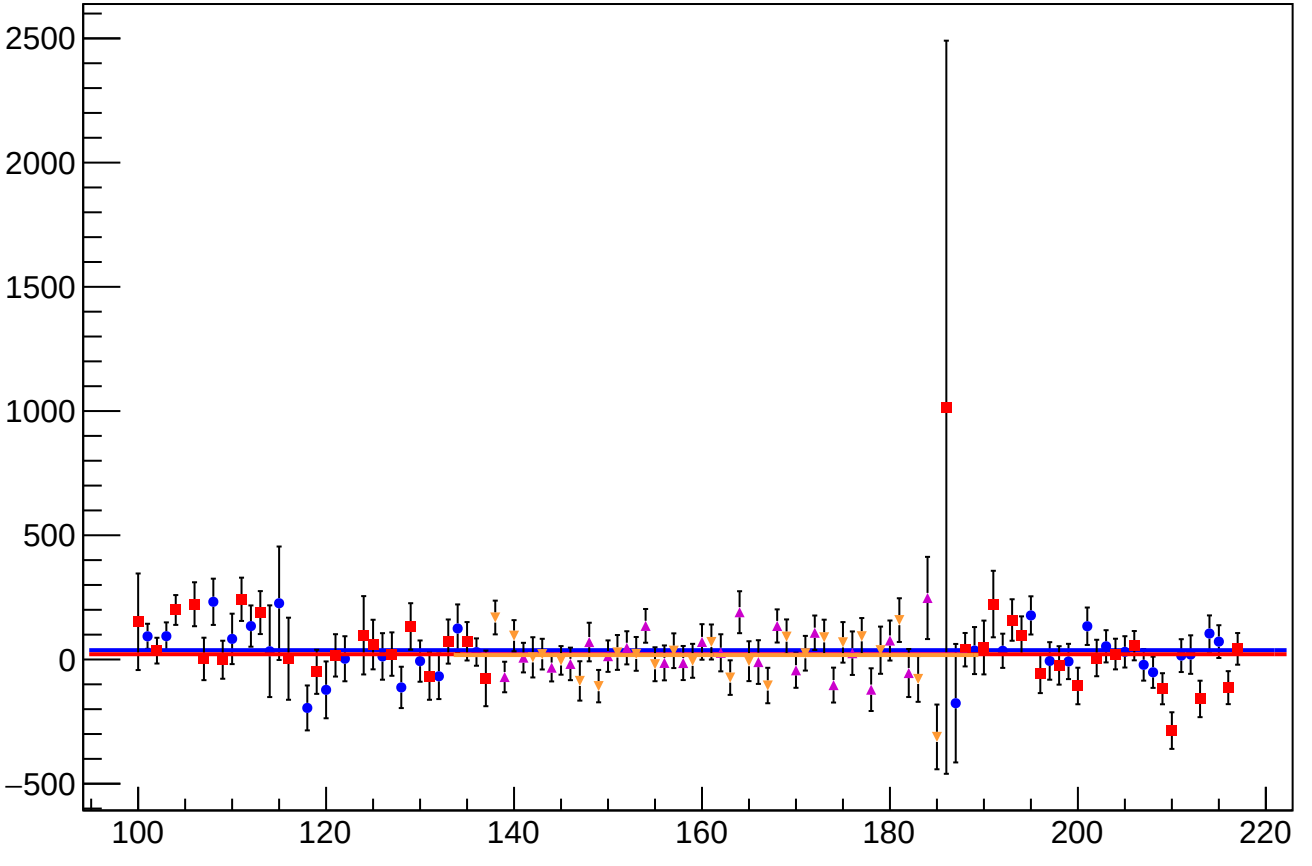
Right: 0.000+/-0.000 χ^2/NDF: 20314937.9/66

In: 0.000+/-0.000 χ^2/NDF:15523821.4/53

Out: 0.000+/-0.000 χ^2/NDF:20700969.2/60

All: 0.000+/-0.000 χ^2/NDF: 37268890.4/114

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: 21.152+/-13.387 χ^2/NDF: 73.6/35

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

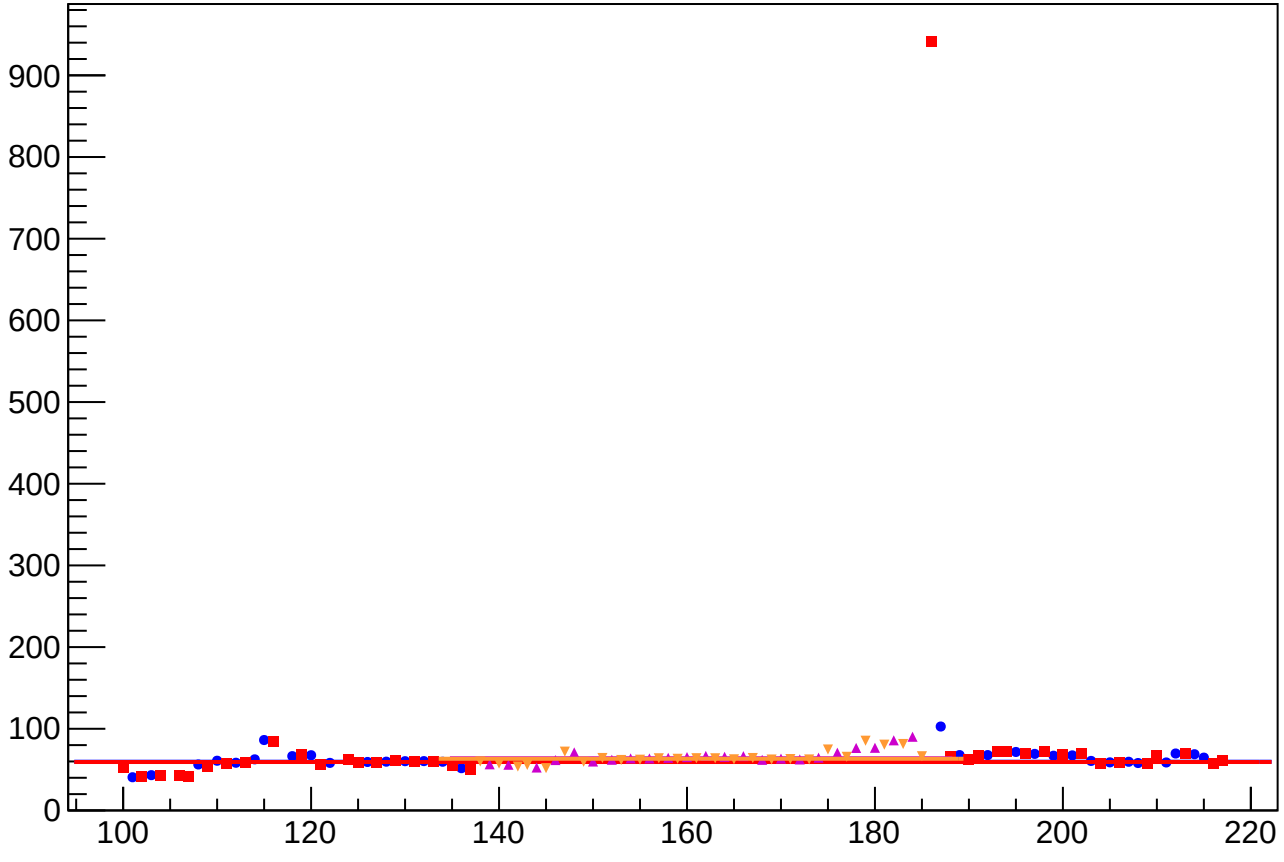
Right: 29.090+/-9.604 χ^2/NDF: 108.4/66

In: 29.351+/-10.163 χ^2/NDF:61.0/53

Out: 19.609+/-9.835 χ^2/NDF:105.2/60

All: 24.320+/-7.067 χ^2/NDF: 166.7/114

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.677+/-0.010 χ^2/NDF: 862447.2/30

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.307+/-0.009 χ^2/NDF: 1719331.3/35

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

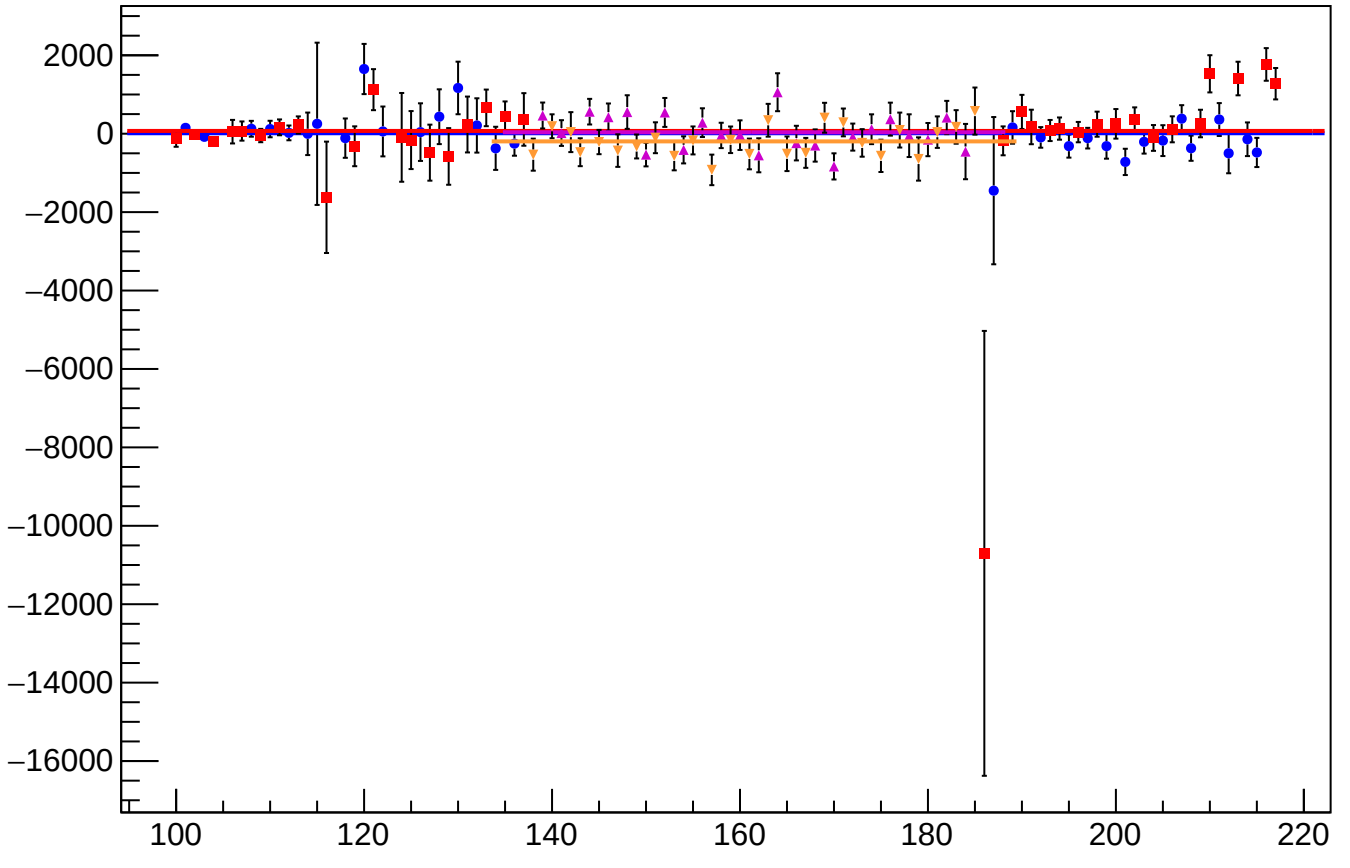
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.487+/-0.007 χ^2/NDF: 2582520.5/66

In: 61.614+/-0.007 χ^2/NDF:1394172.5/53

Out: 61.151+/-0.007 χ^2/NDF:2299173.0/60

All: 61.375+/-0.005 χ^2/NDF: 3695486.5/114



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: 70.664+/-43.414 χ^2/NDF: 74.2/35

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

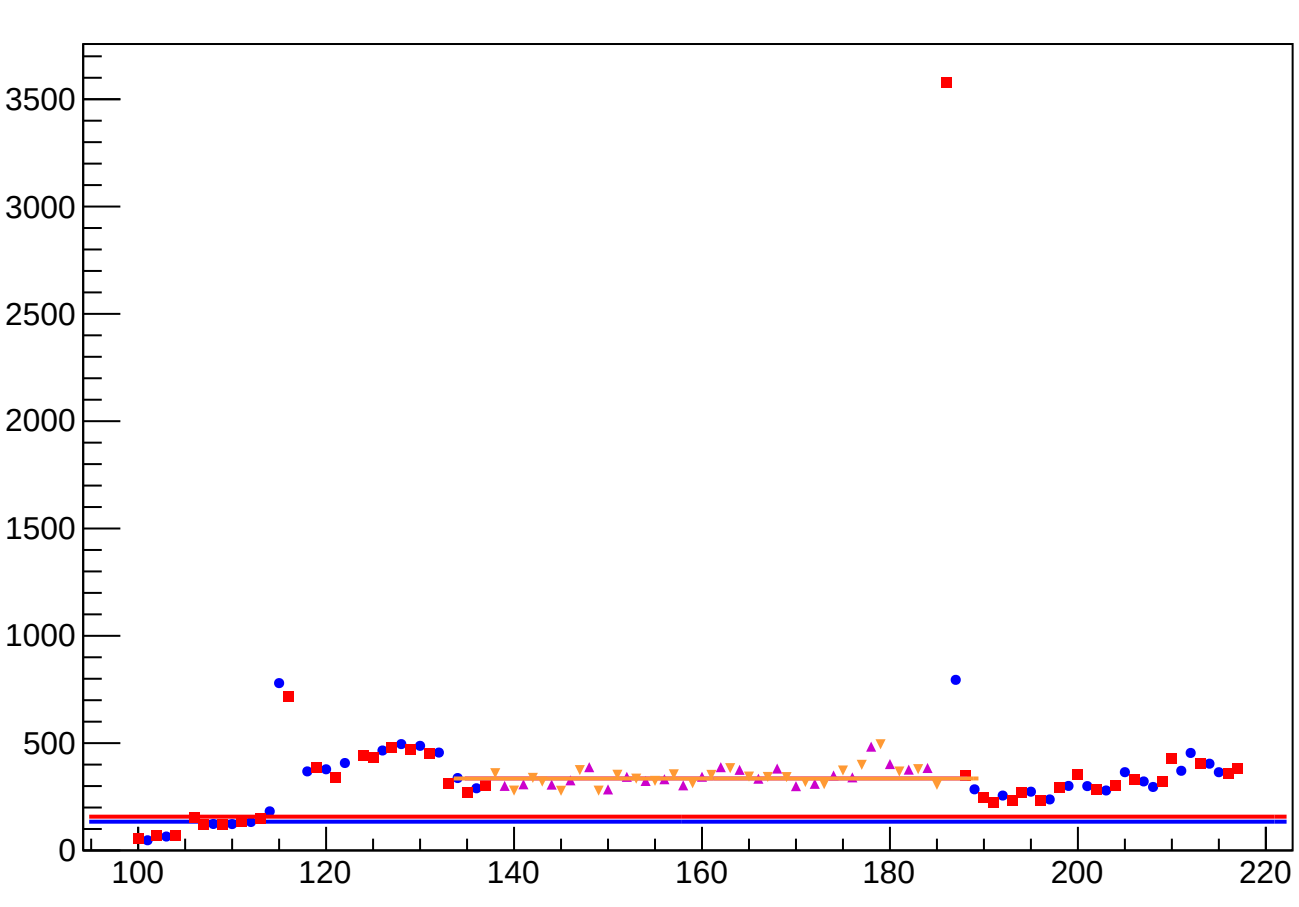
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 39.792+/-29.925 χ^2/NDF: 107.3/66

In: 17.097+/-36.626 χ^2/NDF:63.3/53

Out: 6.467+/-37.827 χ^2/NDF:103.9/60

All: 11.954+/-26.313 χ^2/NDF: 167.2/114



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: 157.421+/-0.031 χ^2/NDF: 14346942.3/35

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

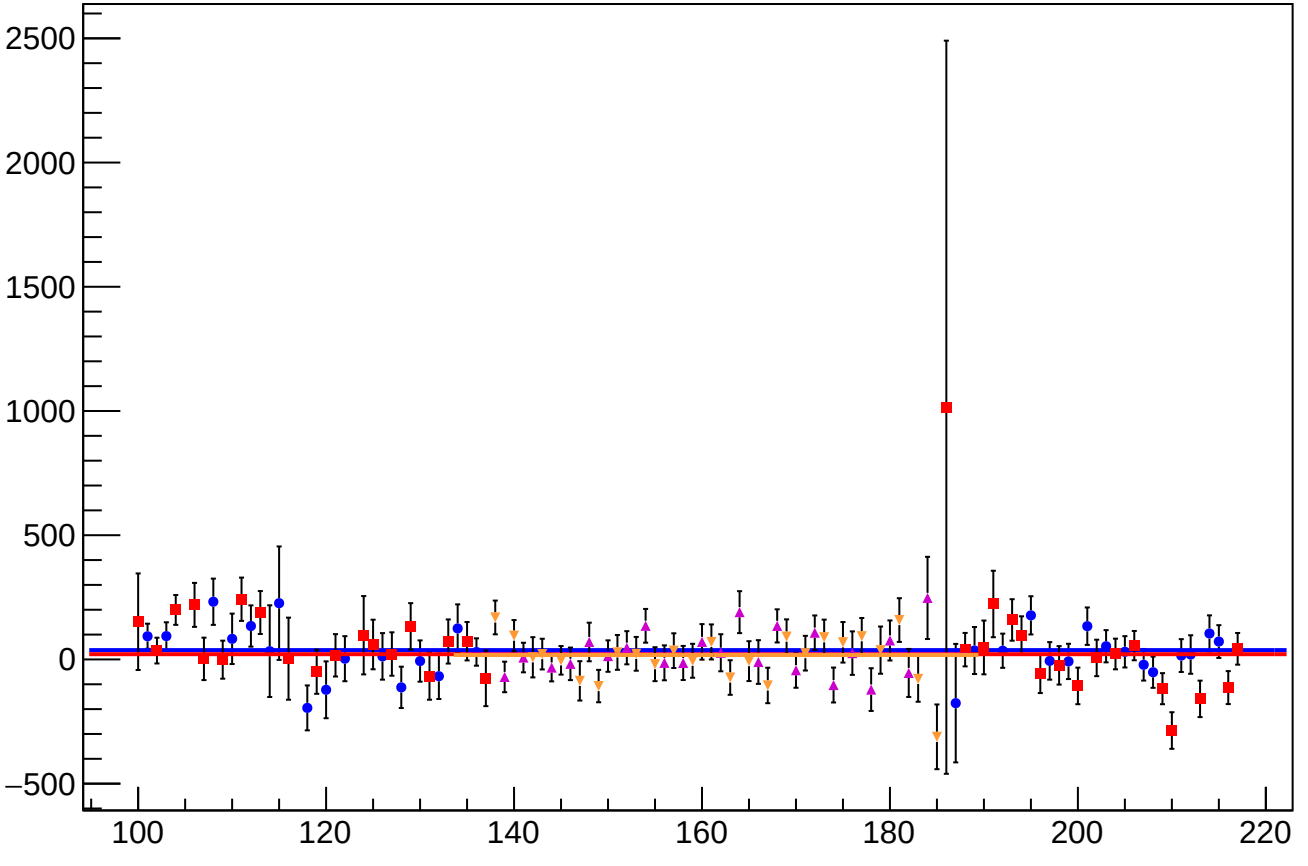
Right: 145.155+/-0.021 χ^2/NDF: 31186874.5/66

In: 177.126+/-0.026 χ^2/NDF:27203907.4/53

Out: 200.245+/-0.027 χ^2/NDF:22992884.9/60

All: 188.313+/-0.019 χ^2/NDF: 50582377.2/11

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.514+/-13.786 χ^2/NDF: 34.0/30

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 21.088+/-13.387 χ^2/NDF: 73.5/35

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

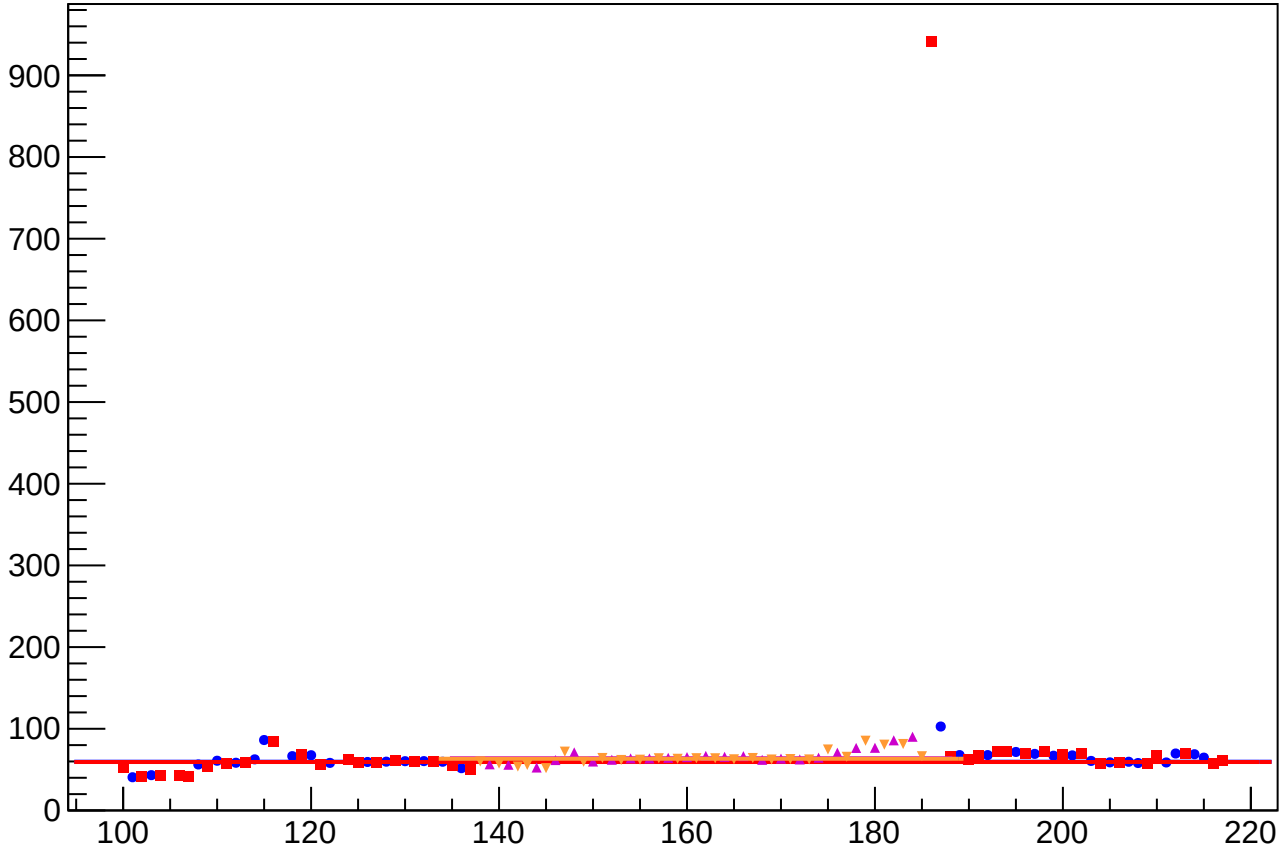
Right: 29.060+/-9.604 χ^2/NDF: 108.2/66

In: 29.354+/-10.163 χ^2/NDF:61.0/53

Out: 19.576+/-9.835 χ^2/NDF:105.1/60

All: 24.305+/-7.067 χ^2/NDF: 166.6/114

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: 59.307+/-0.009 χ^2/NDF: 1719756.2/35

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

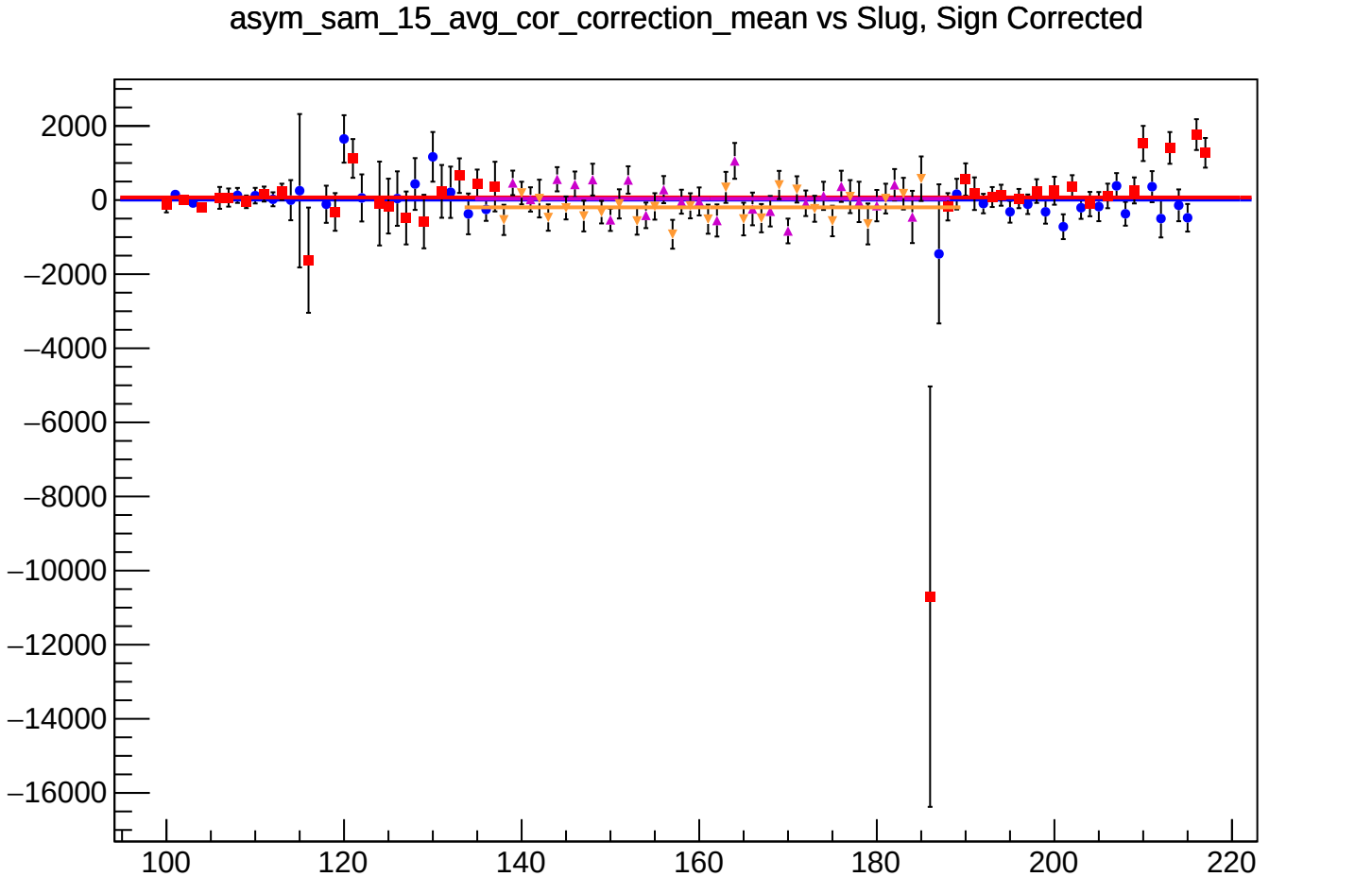
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.486+/-0.007 χ^2/NDF: 2582946.7/66

In: 61.614+/-0.007 χ^2/NDF:1394171.3/53

Out: 61.151+/-0.007 χ^2/NDF:2299620.7/60

All: 61.374+/-0.005 χ^2/NDF: 3695935.5/114



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: 70.870+/-43.386 χ^2/NDF: 74.2/35

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

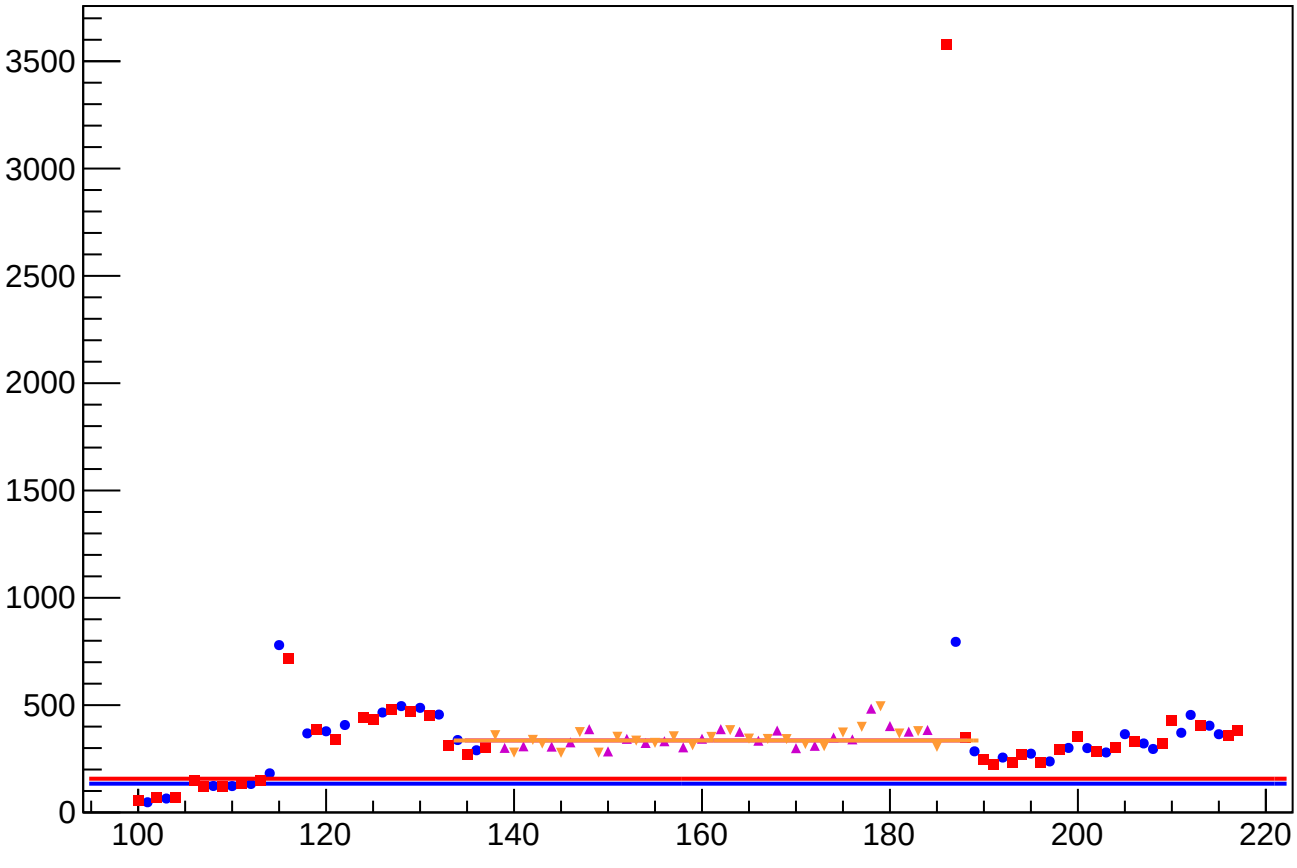
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 39.910+/-29.916 χ^2/NDF: 107.3/66

In: 17.100+/-36.625 χ^2/NDF:63.3/53

Out: 6.687+/-37.809 χ^2/NDF:103.9/60

All: 12.059+/-26.307 χ^2/NDF: 167.2/114



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: 157.225+/-0.031 χ^2/NDF: 14356048.5/35

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

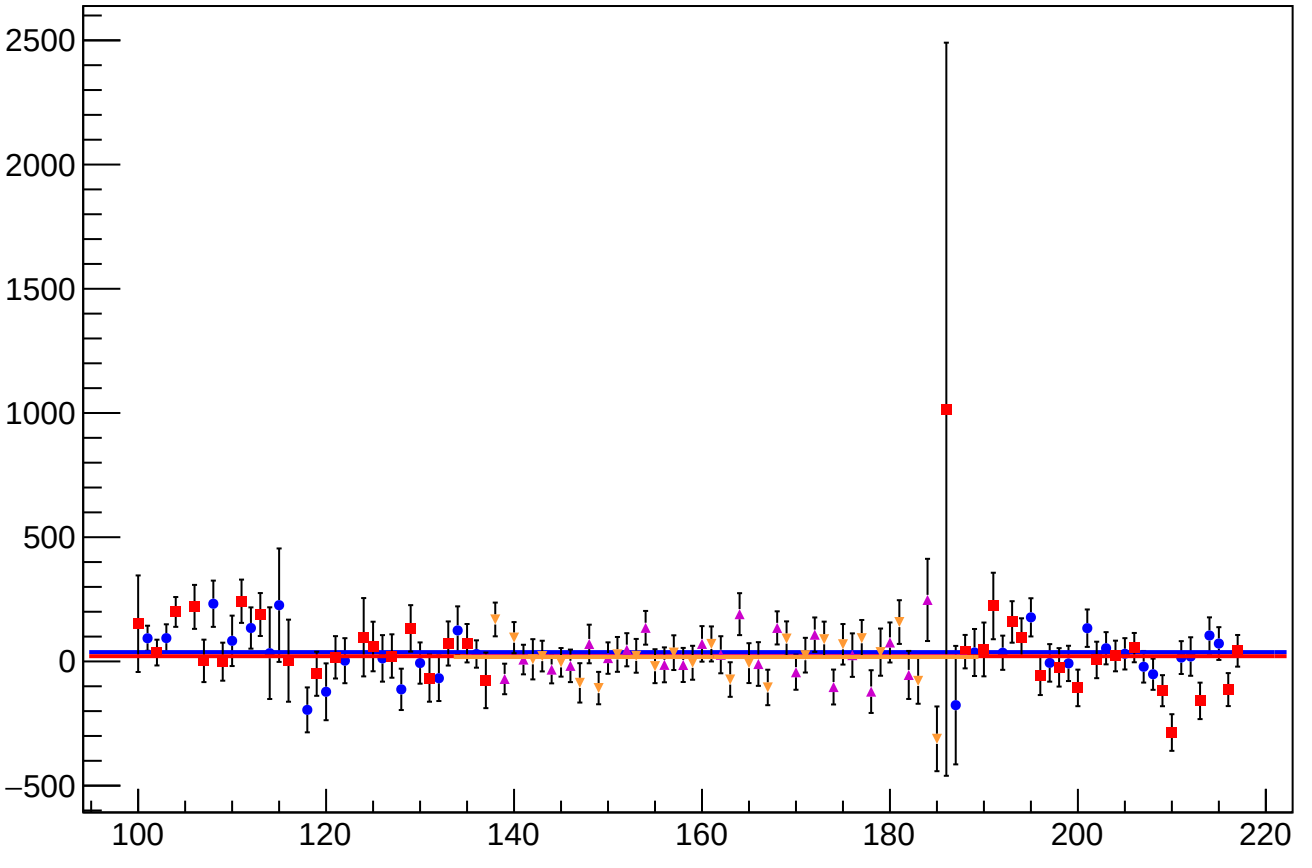
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 145.067+/-0.021 χ^2/NDF: 31191595.6/66

In: 177.122+/-0.026 χ^2/NDF:27204721.0/53

Out: 200.056+/-0.027 χ^2/NDF:23022228.9/60

All: 188.224+/-0.019 χ^2/NDF: 50606564.2/11



Right In: 37.514+/-13.786 χ^2/NDF: 34.0/30

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 21.088+/-13.387 χ^2/NDF: 73.5/35

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

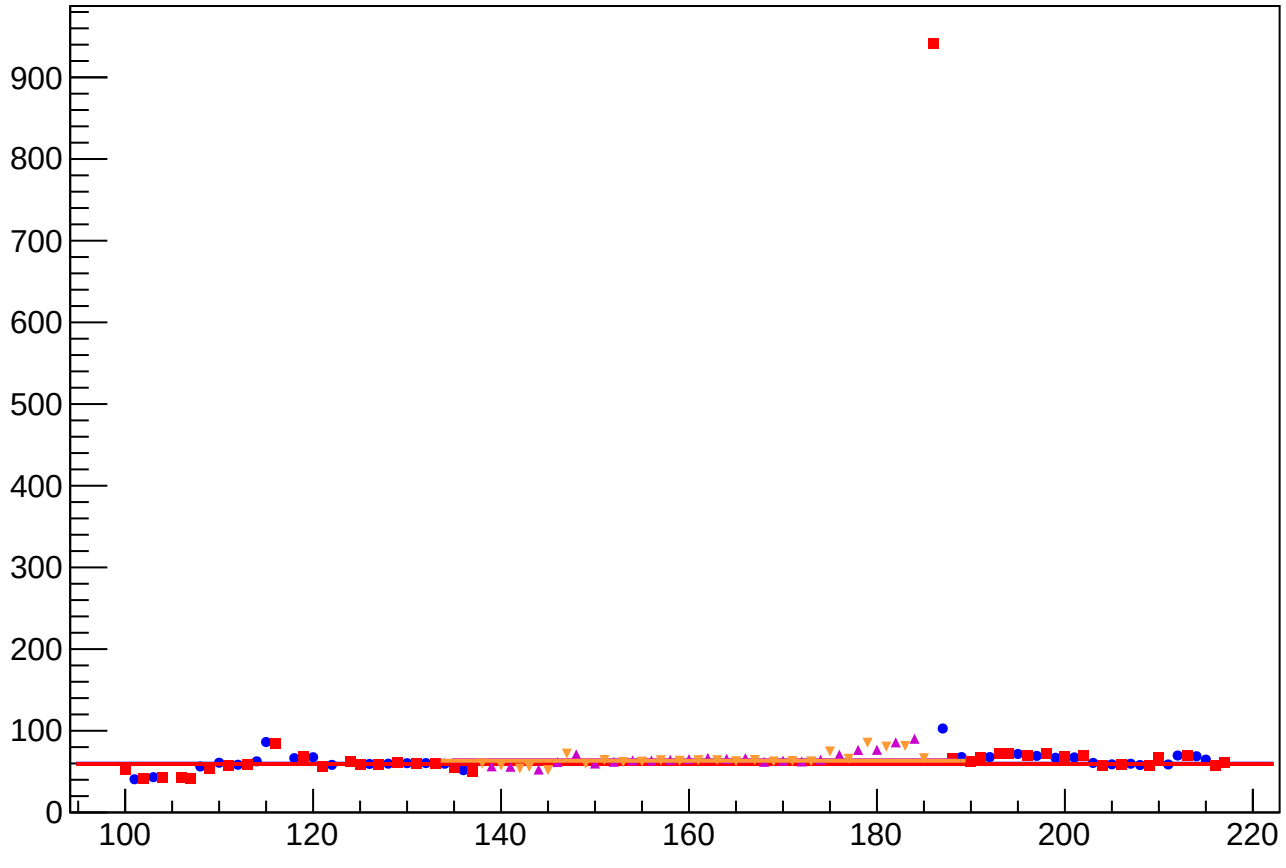
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 29.060+/-9.604 χ^2/NDF: 108.2/66

In: 29.354+/-10.163 χ^2/NDF:61.0/53

Out: 19.576+/-9.835 χ^2/NDF:105.1/60

All: 24.305+/-7.067 χ^2/NDF: 166.6/114



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: 59.307+/-0.009 χ^2/NDF: 1719756.2/35

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

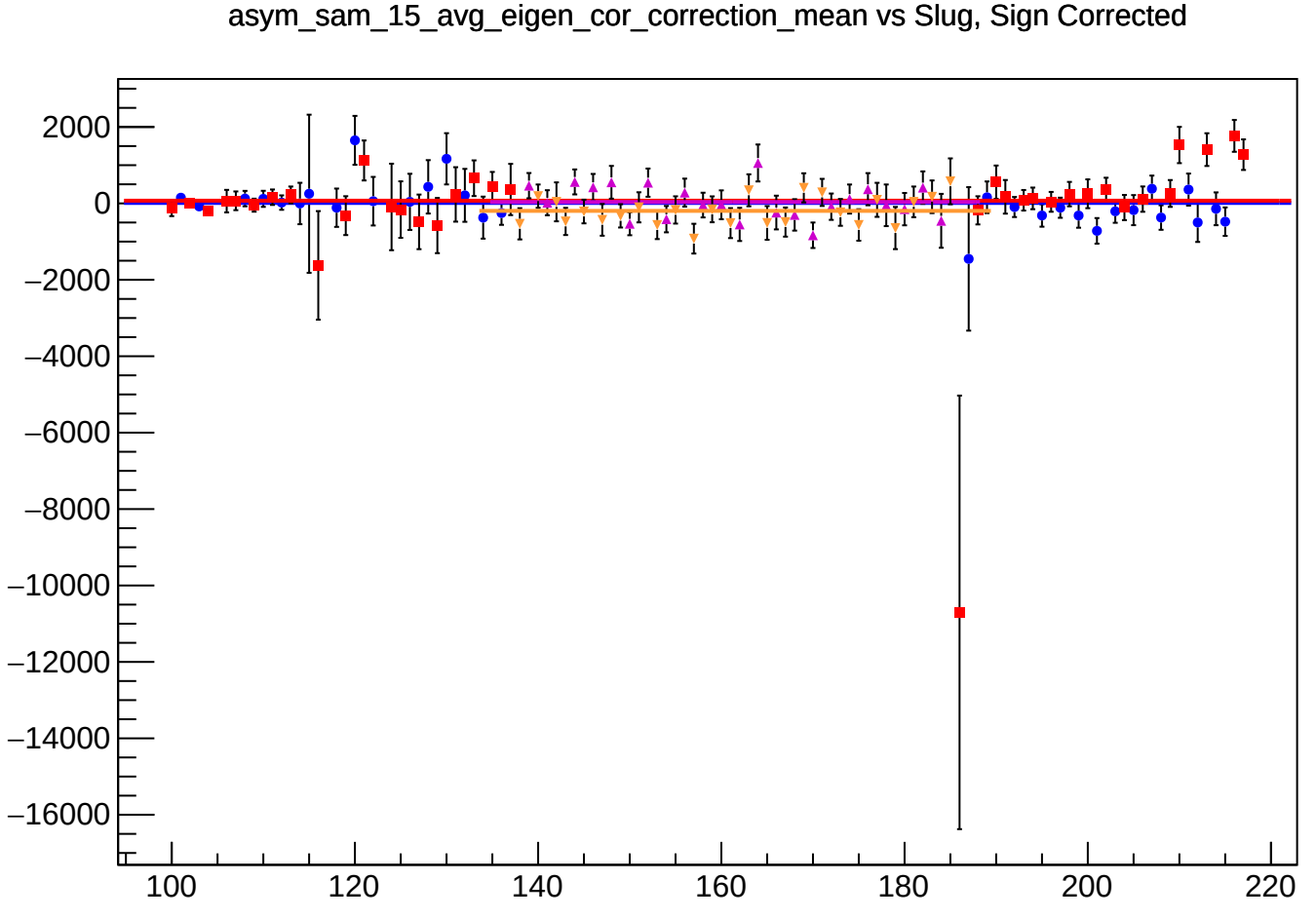
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.486+/-0.007 χ^2/NDF: 2582946.7/66

In: 61.614+/-0.007 χ^2/NDF:1394171.3/53

Out: 61.151+/-0.007 χ^2/NDF:2299620.7/60

All: 61.374+/-0.005 χ^2/NDF: 3695935.5/114



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: 70.870+/-43.386 χ^2/NDF: 74.2/35

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

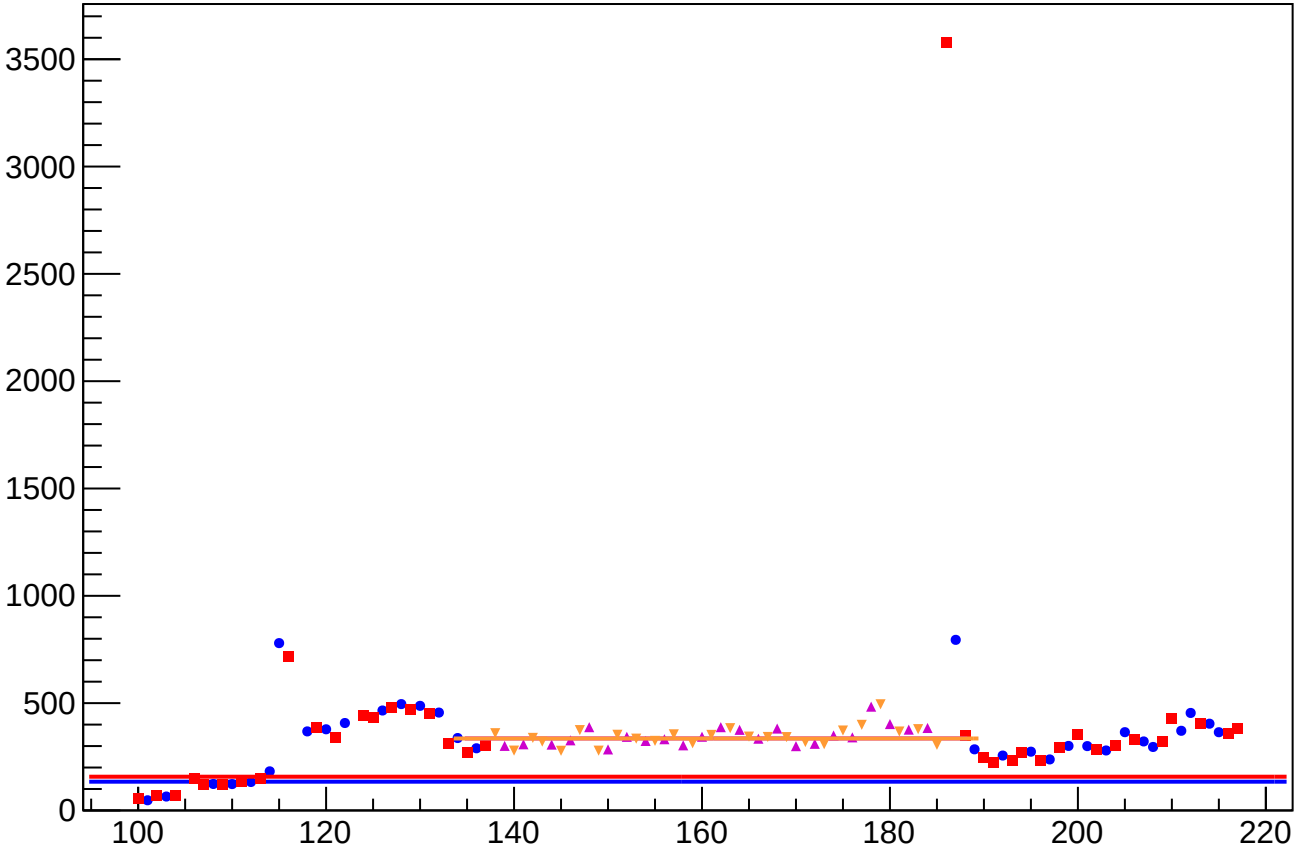
Right: 39.910+/-29.916 χ^2/NDF: 107.3/66

In: 17.100+/-36.625 χ^2/NDF:63.3/53

Out: 6.687+/-37.809 χ^2/NDF:103.9/60

All: 12.059+/-26.307 χ^2/NDF: 167.2/114

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: 157.225+/-0.031 χ^2/NDF: 14356048.5/35

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

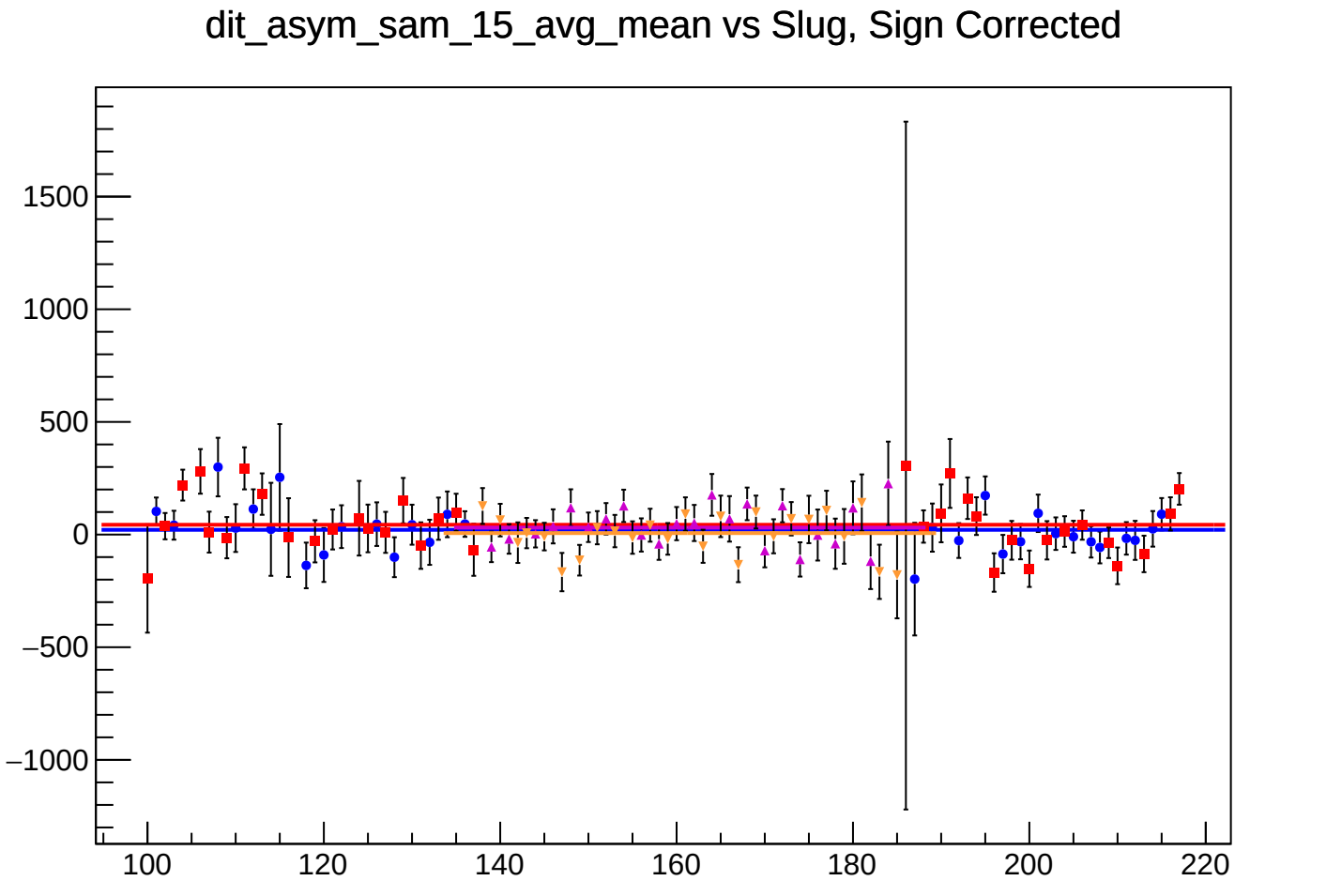
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 145.067+/-0.021 χ^2/NDF: 31191595.6/66

In: 177.122+/-0.026 χ^2/NDF:27204721.0/53

Out: 200.056+/-0.027 χ^2/NDF:23022228.9/60

All: 188.224+/-0.019 χ^2/NDF: 50606564.2/11



Right In: 21.013+/-15.237 χ^2/NDF: 25.6/30

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 43.469+/-14.696 χ^2/NDF: 59.9/35

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

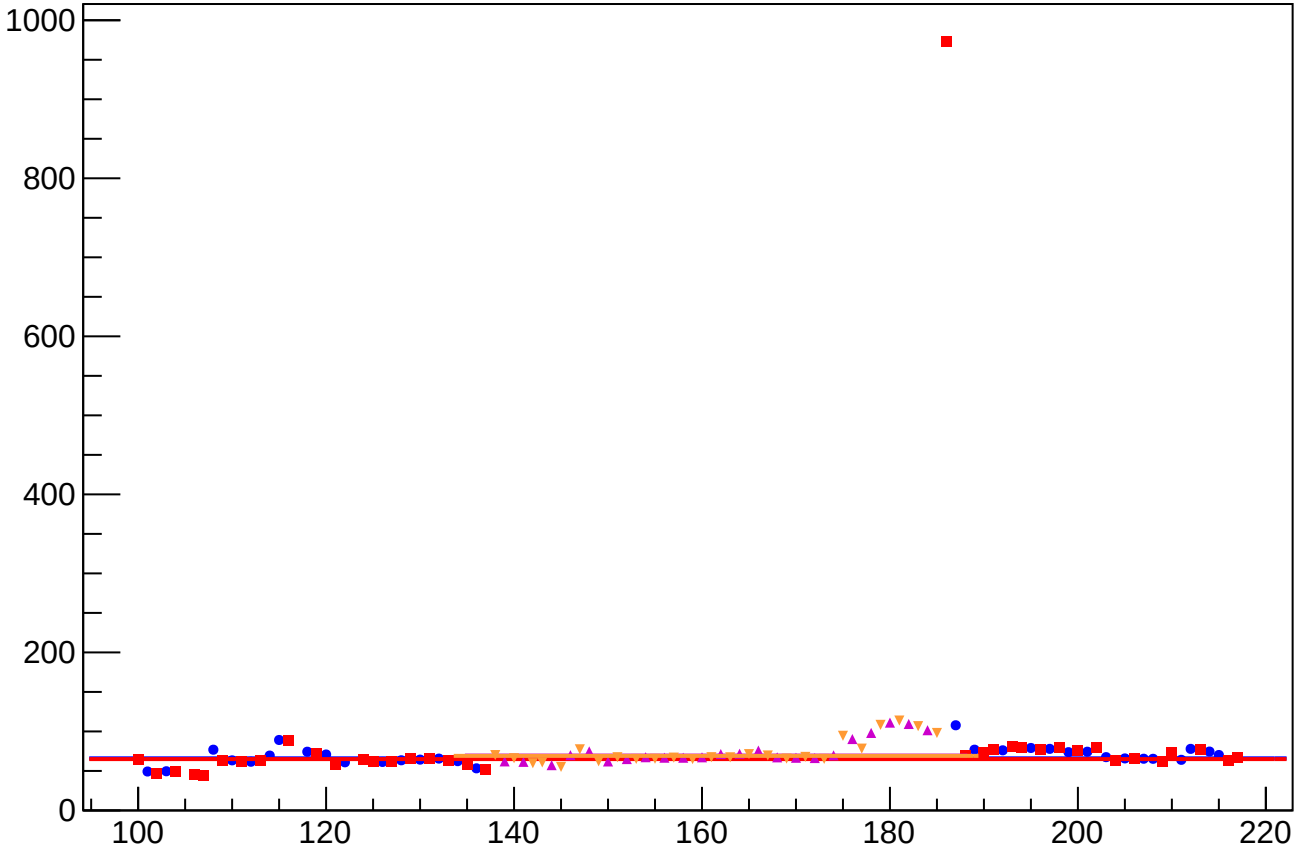
Right: 32.646+/-10.578 χ^2/NDF: 86.6/66

In: 25.453+/-11.195 χ^2/NDF:48.2/53

Out: 26.512+/-10.816 χ^2/NDF:87.9/60

All: 26.001+/-7.779 χ^2/NDF: 136.1/114

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: 65.000+/-0.010 χ^2/NDF: 1712113.8/35

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

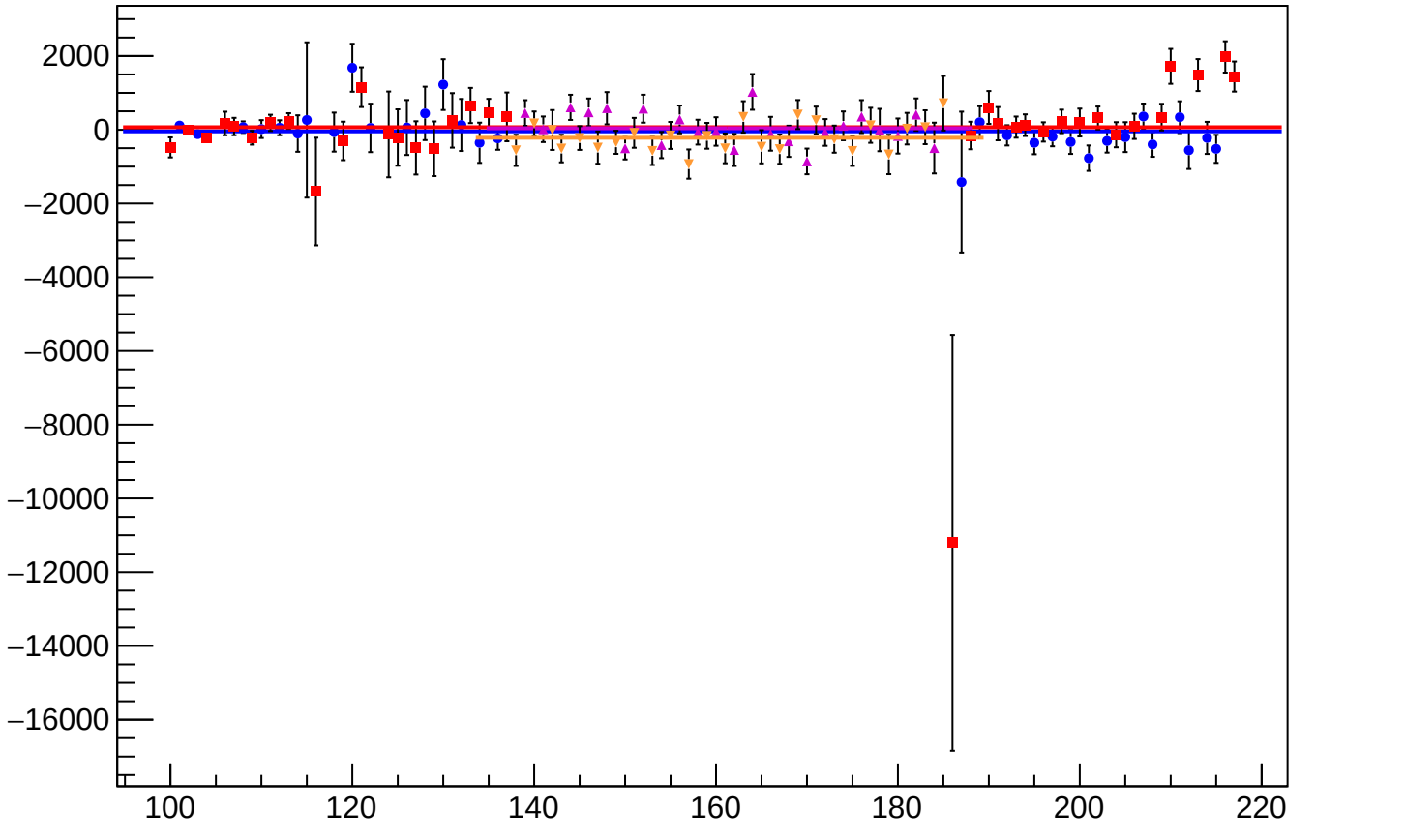
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 65.467+/-0.007 χ^2/NDF: 2473966.0/66

In: 67.565+/-0.008 χ^2/NDF:1729922.7/53

Out: 66.869+/-0.008 χ^2/NDF:2856702.8/60

All: 67.205+/-0.006 χ^2/NDF: 4590616.0/114



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: 68.232+/-45.545 χ^2/NDF: 88.3/35

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

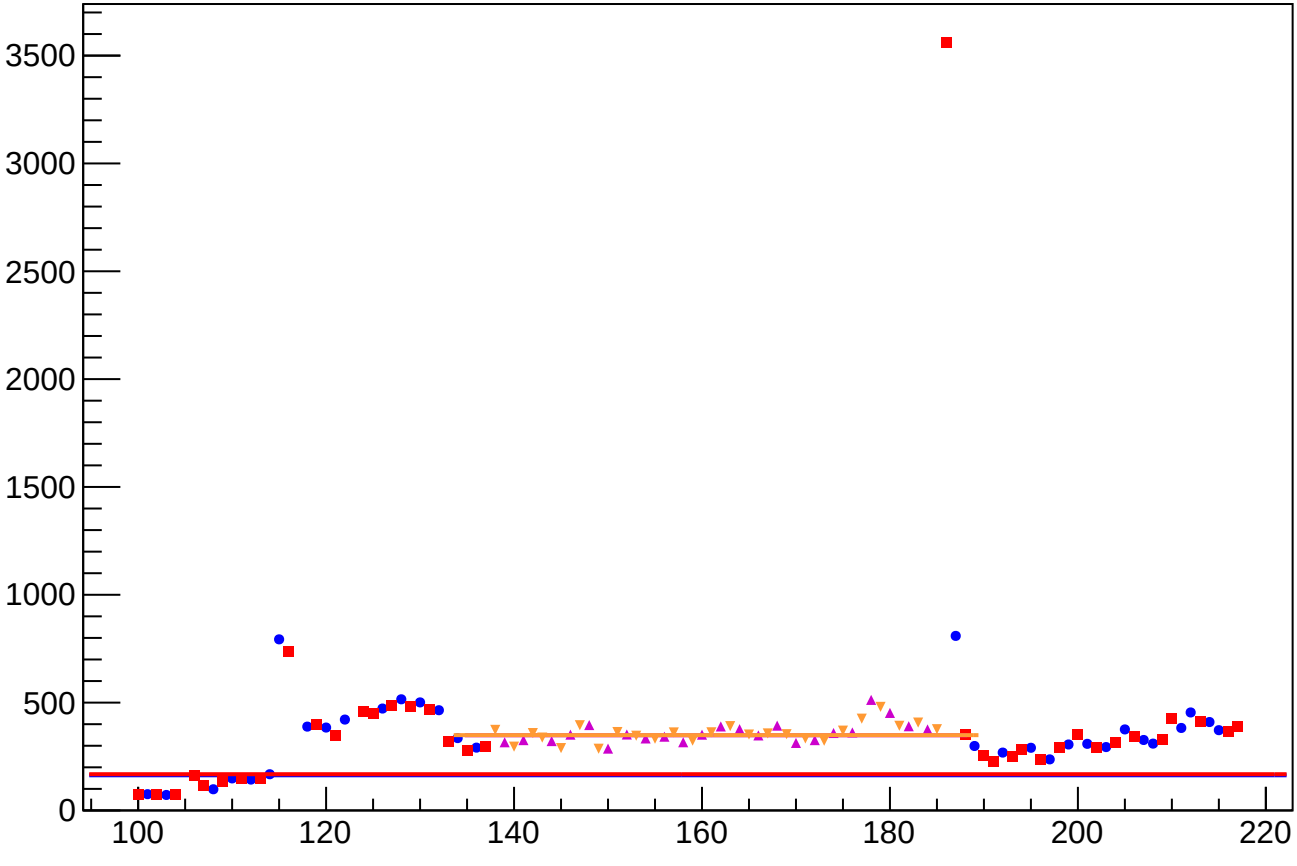
Right: 13.658+/-32.504 χ^2/NDF: 121.6/66

In: -22.590+/-40.415 χ^2/NDF:61.2/53

Out: -1.497+/-39.596 χ^2/NDF:117.2/60

All: -11.828+/-28.284 χ^2/NDF: 178.6/114

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



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: 168.083+/-0.032 χ^2/NDF: 13567241.0/35

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

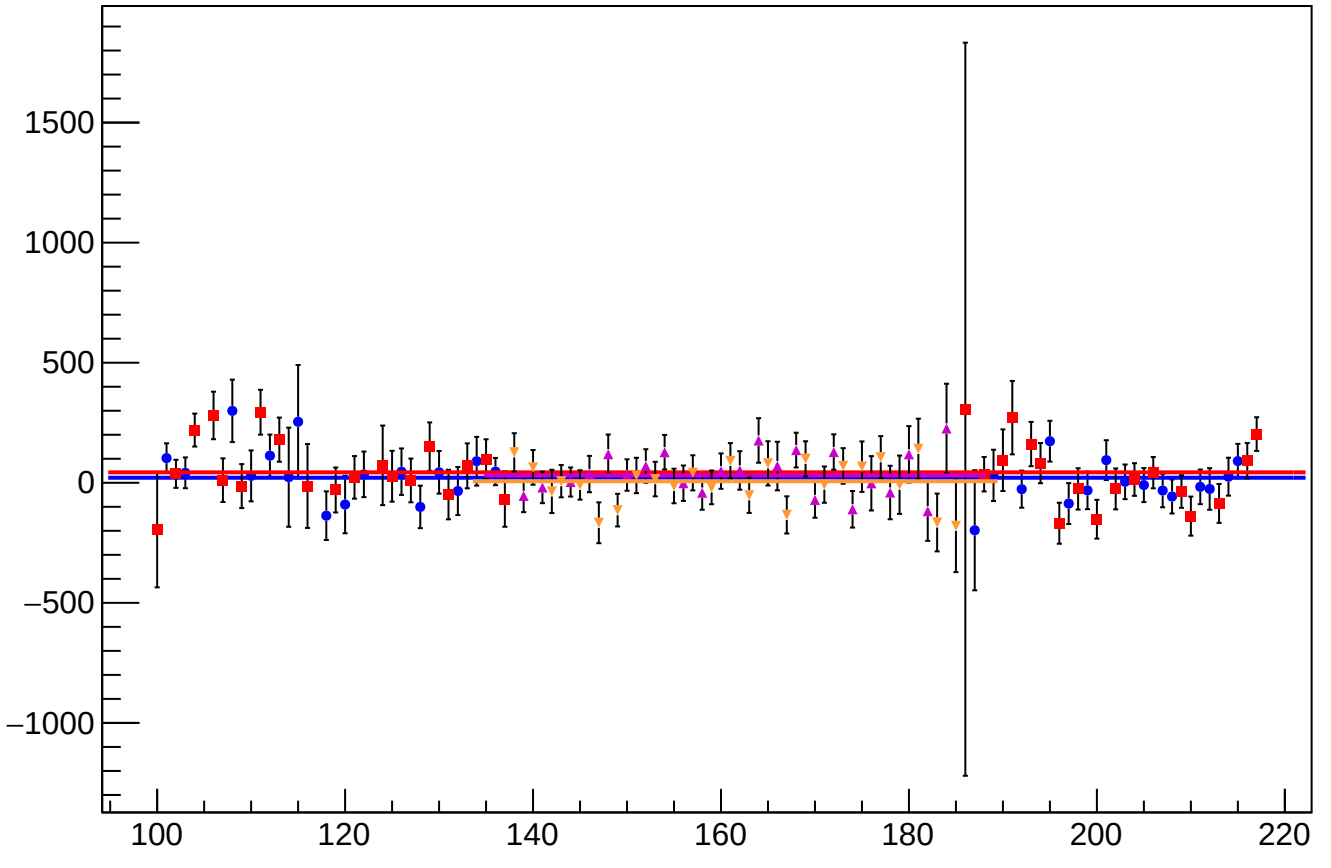
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 165.632+/-0.023 χ^2/NDF: 27040843.5/66

In: 207.861+/-0.029 χ^2/NDF:21701219.7/53

Out: 212.300+/-0.028 χ^2/NDF:21811693.0/60

All: 210.126+/-0.020 χ^2/NDF: 43525221.9/11



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: 43.468+/-14.696 χ^2/NDF: 59.9/35

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

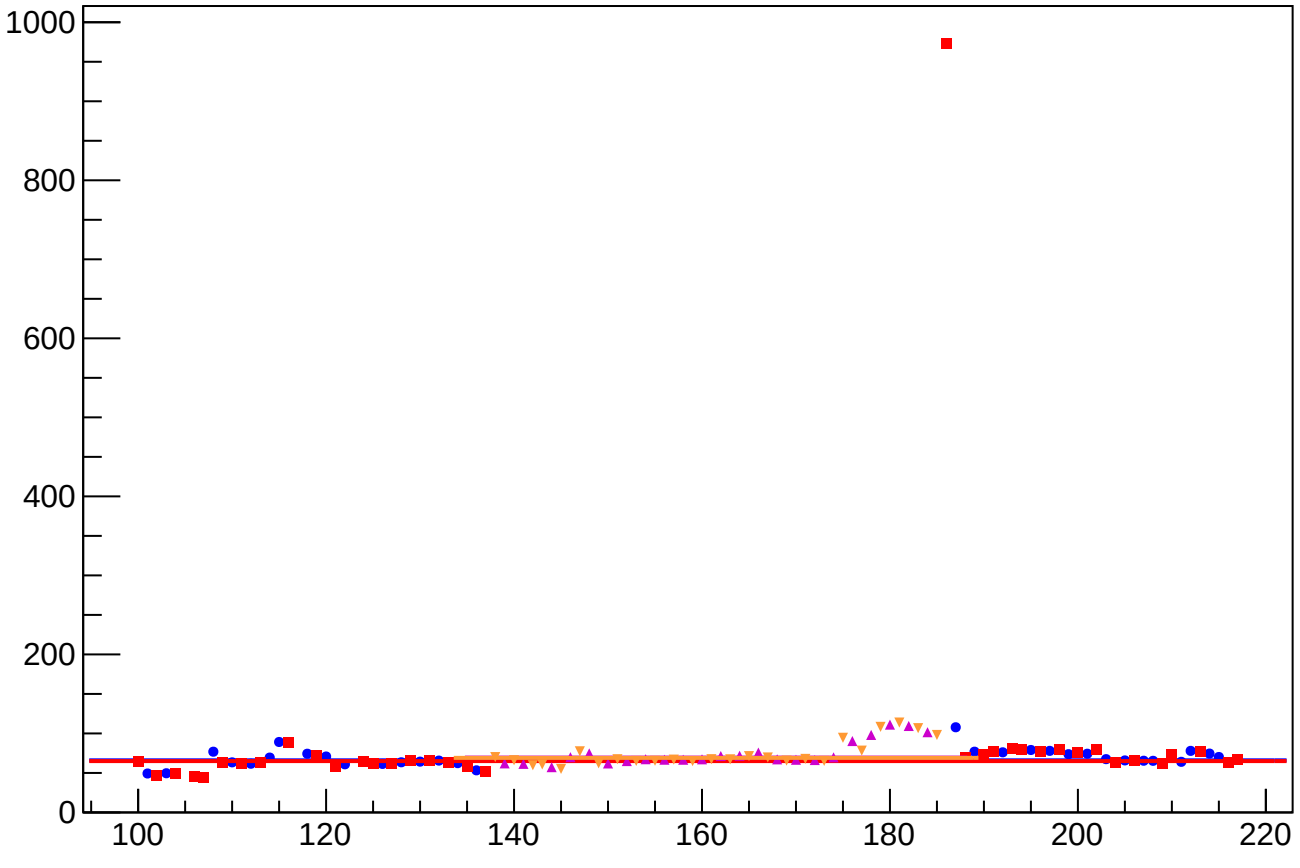
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 32.646+/-10.578 χ^2/NDF: 86.6/66

In: 25.453+/-11.195 χ^2/NDF:48.2/53

Out: 26.512+/-10.816 χ^2/NDF:87.9/60

All: 26.001+/-7.779 χ^2/NDF: 136.1/114



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: 65.000+/-0.010 χ^2/NDF: 1712112.3/35

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

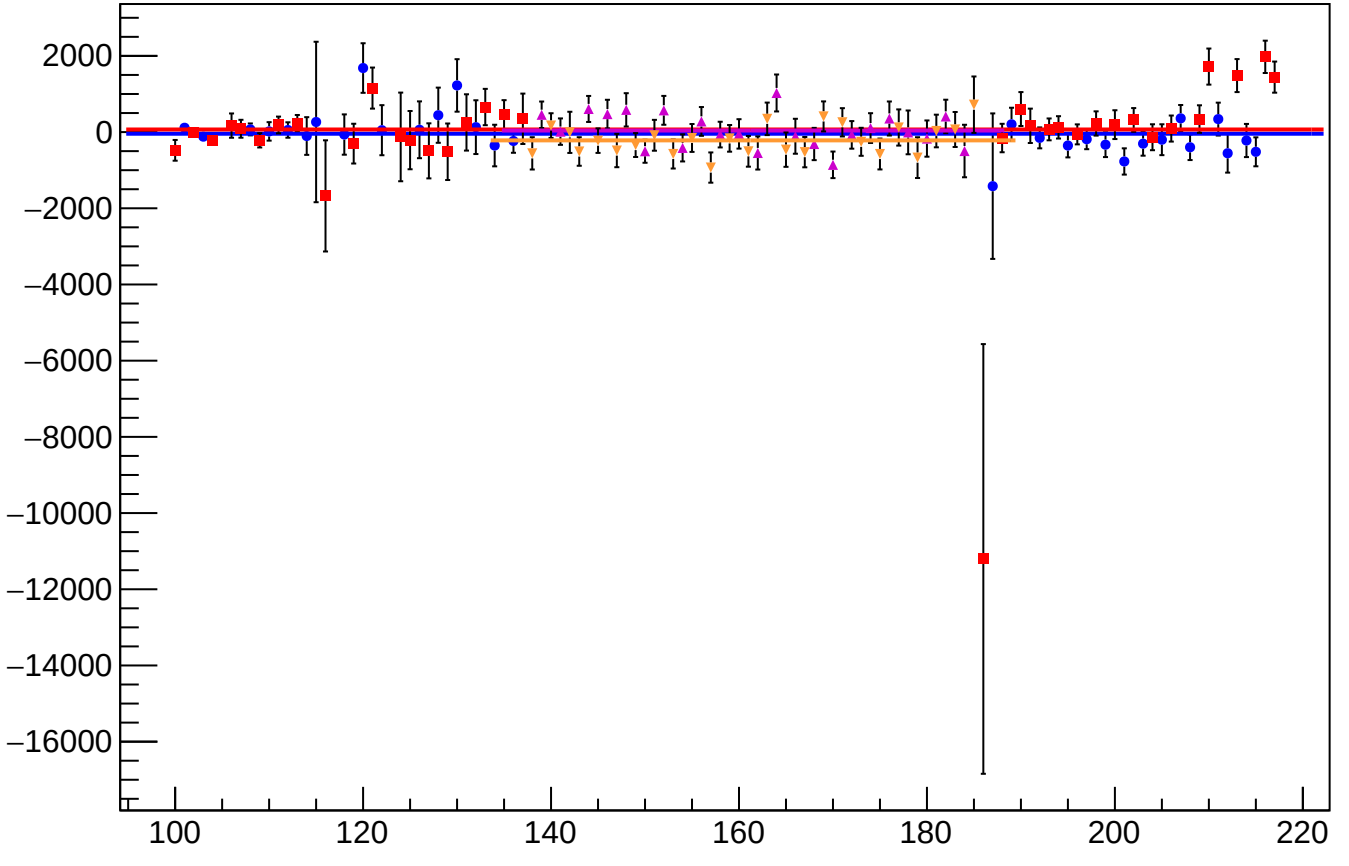
Right: 65.467+/-0.007 χ^2/NDF: 2473962.6/66

In: 67.565+/-0.008 χ^2/NDF:1729910.9/53

Out: 66.869+/-0.008 χ^2/NDF:2856689.8/60

All: 67.205+/-0.006 χ^2/NDF: 4590591.7/114

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: 68.232+/-45.545 χ^2/NDF: 88.3/35

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

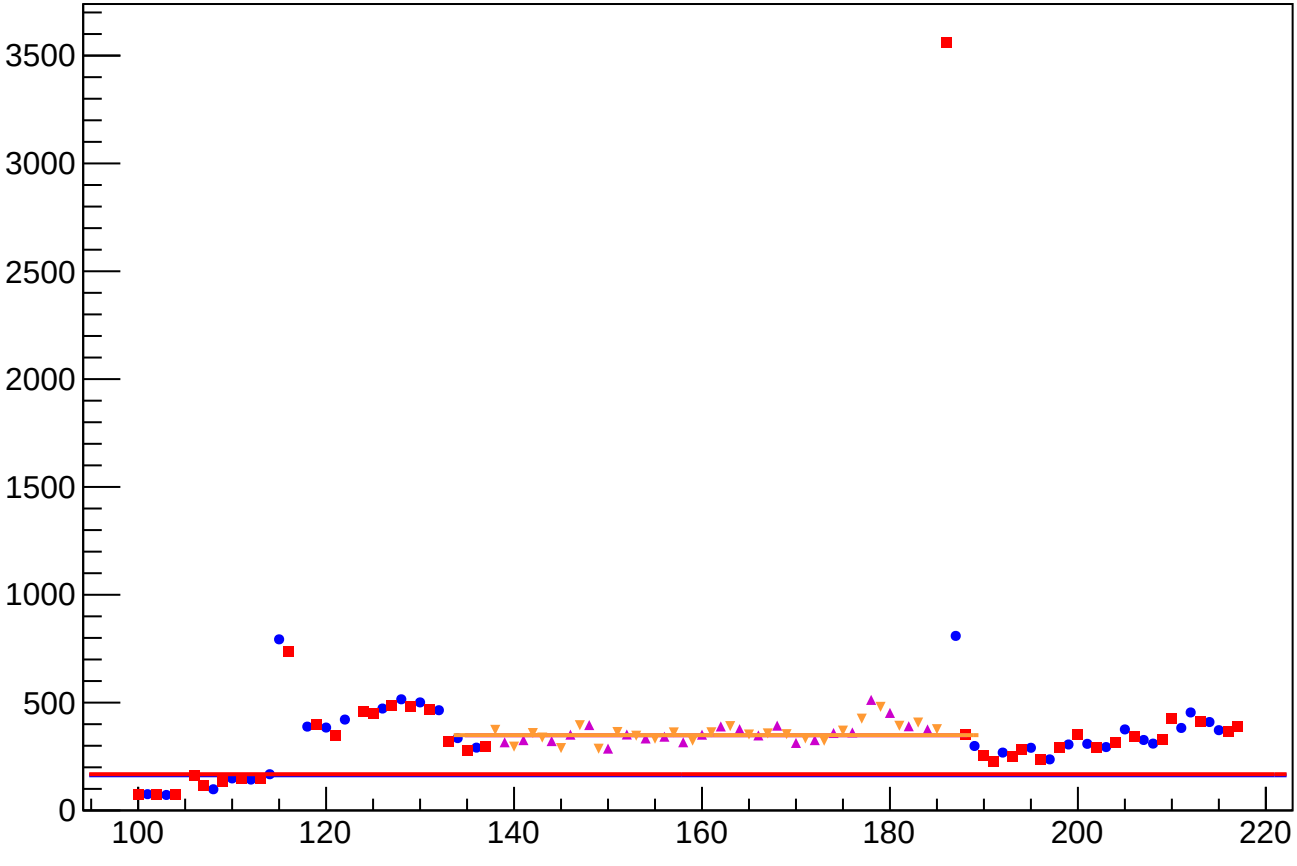
Right: 13.658+/-32.504 χ^2/NDF: 121.6/66

In: -22.590+/-40.415 χ^2/NDF:61.2/53

Out: -1.496+/-39.596 χ^2/NDF:117.2/60

All: -11.828+/-28.284 χ^2/NDF: 178.6/114

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: 168.082+/-0.032 χ^2/NDF: 13567279.9/35

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

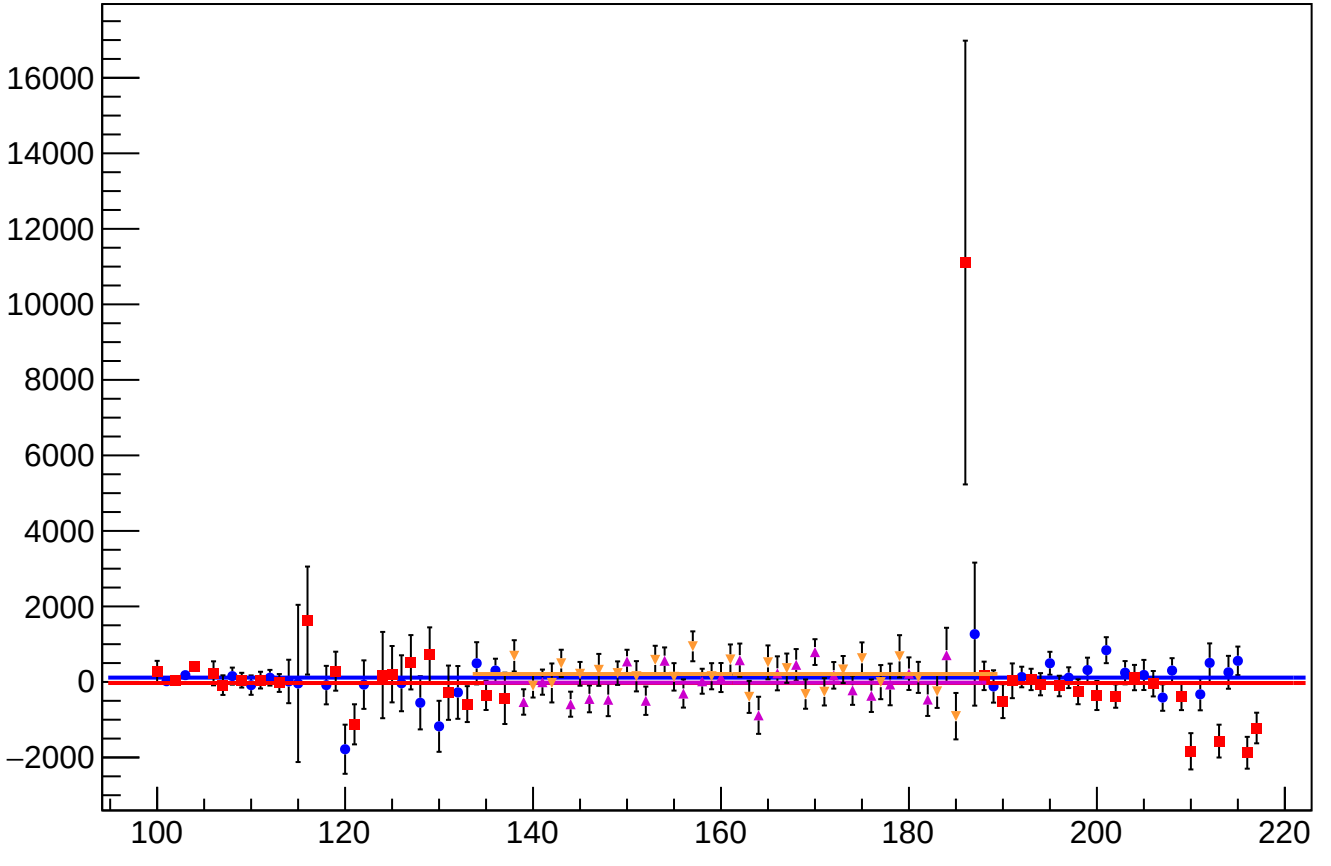
Right: 165.632+/-0.023 χ^2/NDF: 27040899.3/66

In: 207.861+/-0.029 χ^2/NDF:21701293.9/53

Out: 212.299+/-0.028 χ^2/NDF:21811797.5/60

All: 210.126+/-0.020 χ^2/NDF: 43525400.0/11

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: -28.219+/-48.475 χ^2/NDF: 91.1/35

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

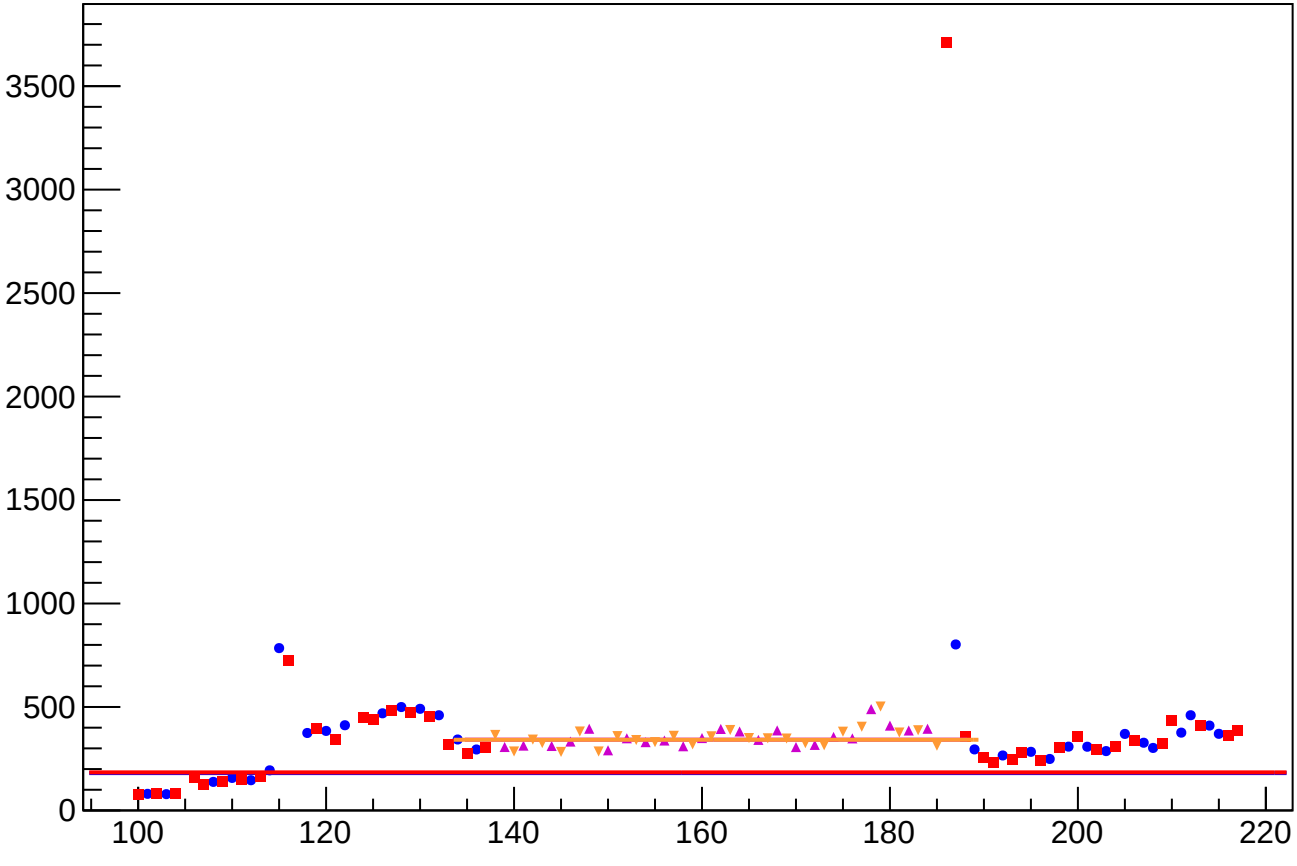
Right: 41.270+/-34.751 χ^2/NDF: 124.7/66

In: 77.879+/-42.407 χ^2/NDF:63.4/53

Out: 37.480+/-41.247 χ^2/NDF:119.2/60

All: 57.119+/-29.568 χ^2/NDF: 183.0/114

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: 184.054+/-0.034 χ^2/NDF: 11889700.9/35

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

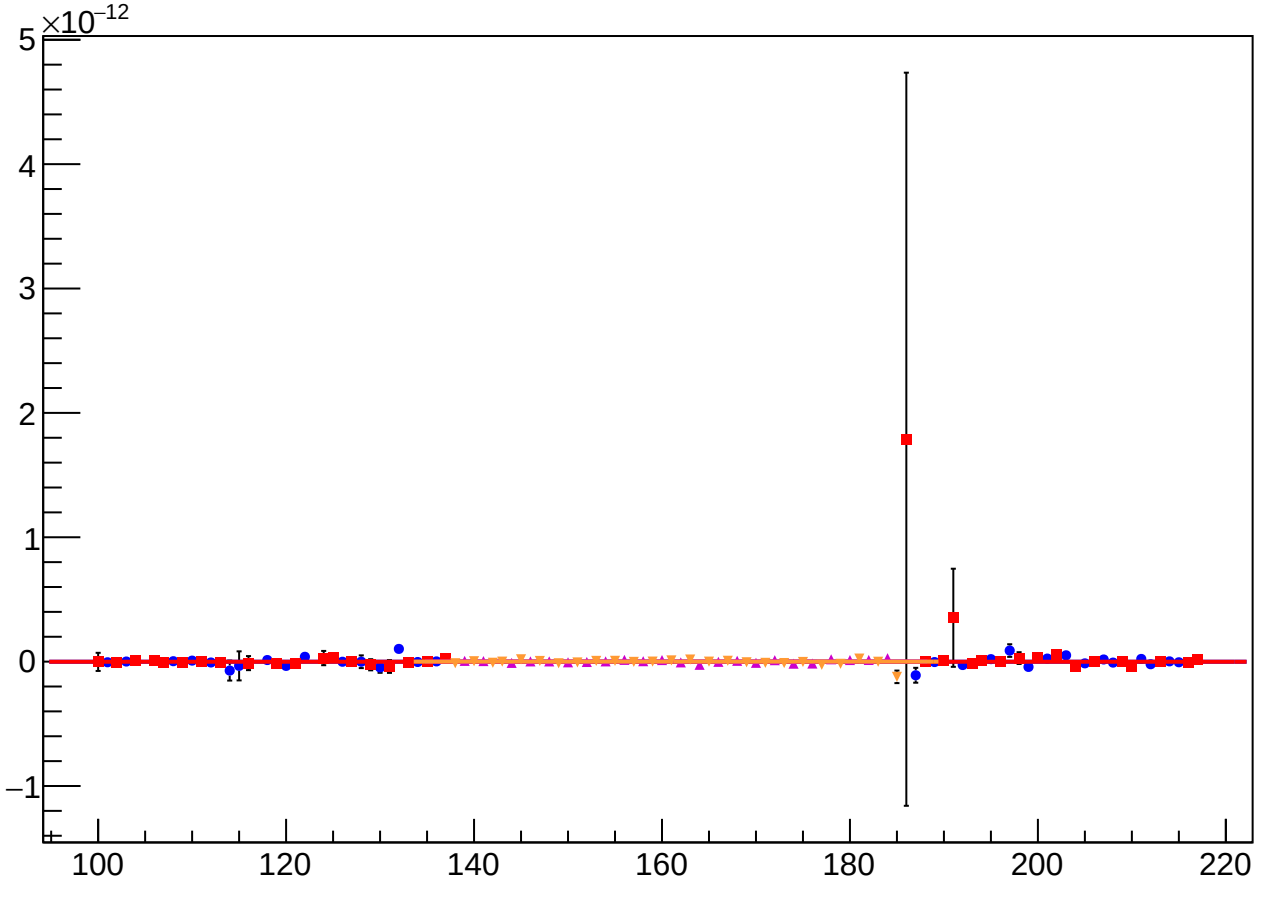
Right: 182.344+/-0.025 χ^2/NDF: 23672394.1/66

In: 225.109+/-0.030 χ^2/NDF:18054472.1/53

Out: 227.533+/-0.029 χ^2/NDF:18273468.3/60

All: 226.354+/-0.021 χ^2/NDF: 36331300.0/11

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 25.3/35

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

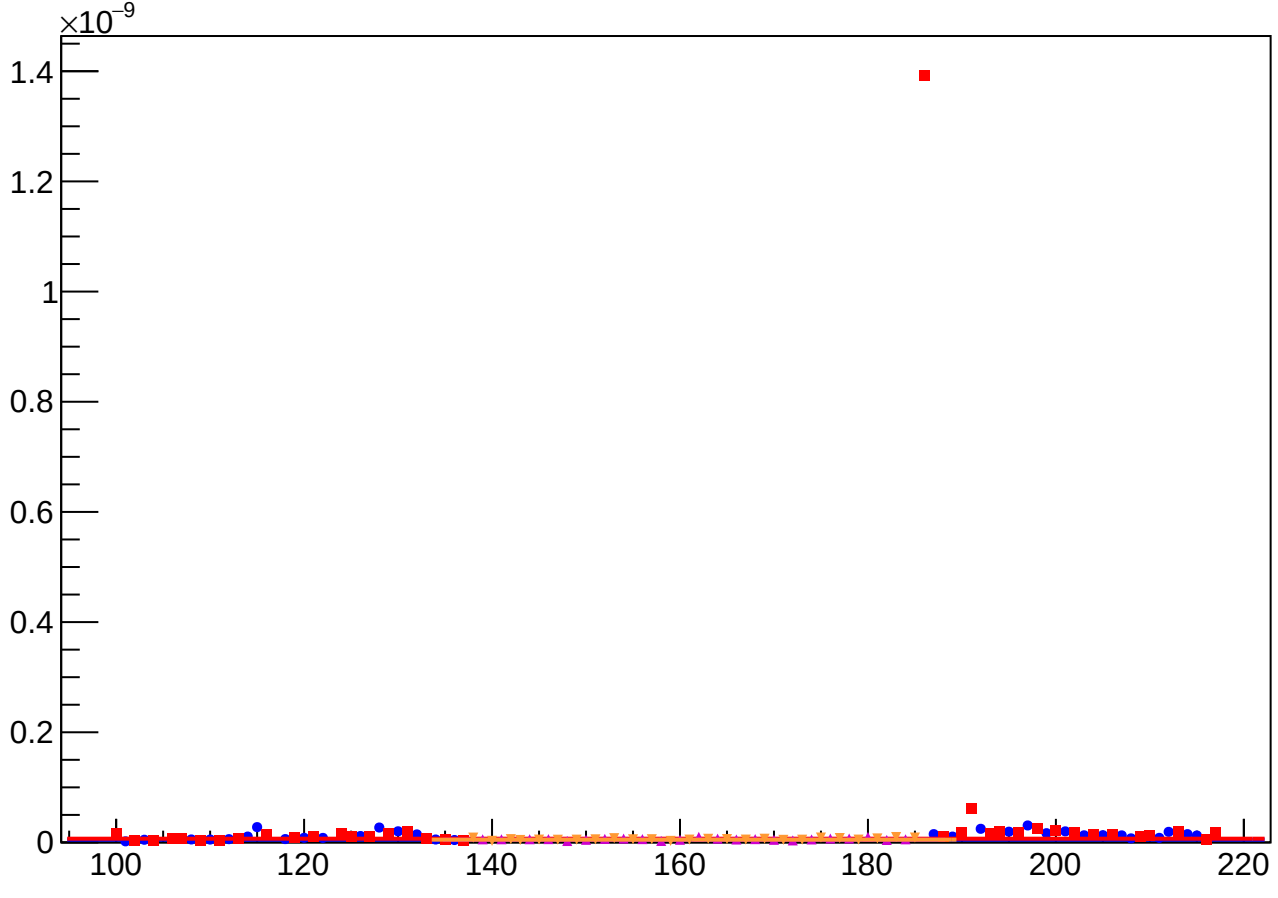
Right: -0.000+/-0.000 χ^2/NDF: 63.3/66

In: 0.000+/-0.000 χ^2/NDF:58.9/53

Out: -0.000+/-0.000 χ^2/NDF:54.0/60

All: 0.000+/-0.000 χ^2/NDF: 112.9/114

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: 6011420.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

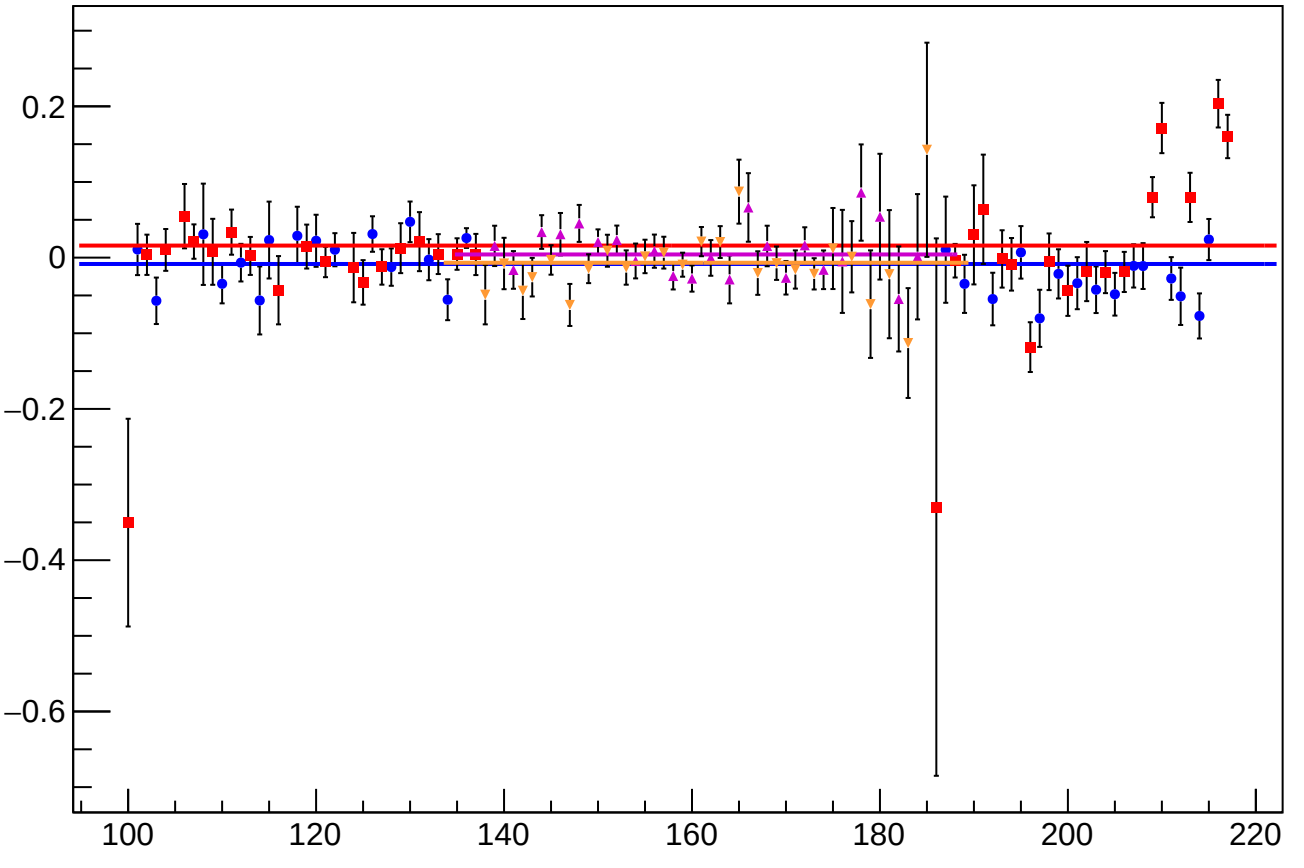
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13799437.9/66

In: 0.000+/-0.000 χ^2/NDF:8571088.7/53

Out: 0.000+/-0.000 χ^2/NDF:7835434.3/60

All: 0.000+/-0.000 χ^2/NDF: 16548794.7/114



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: 0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

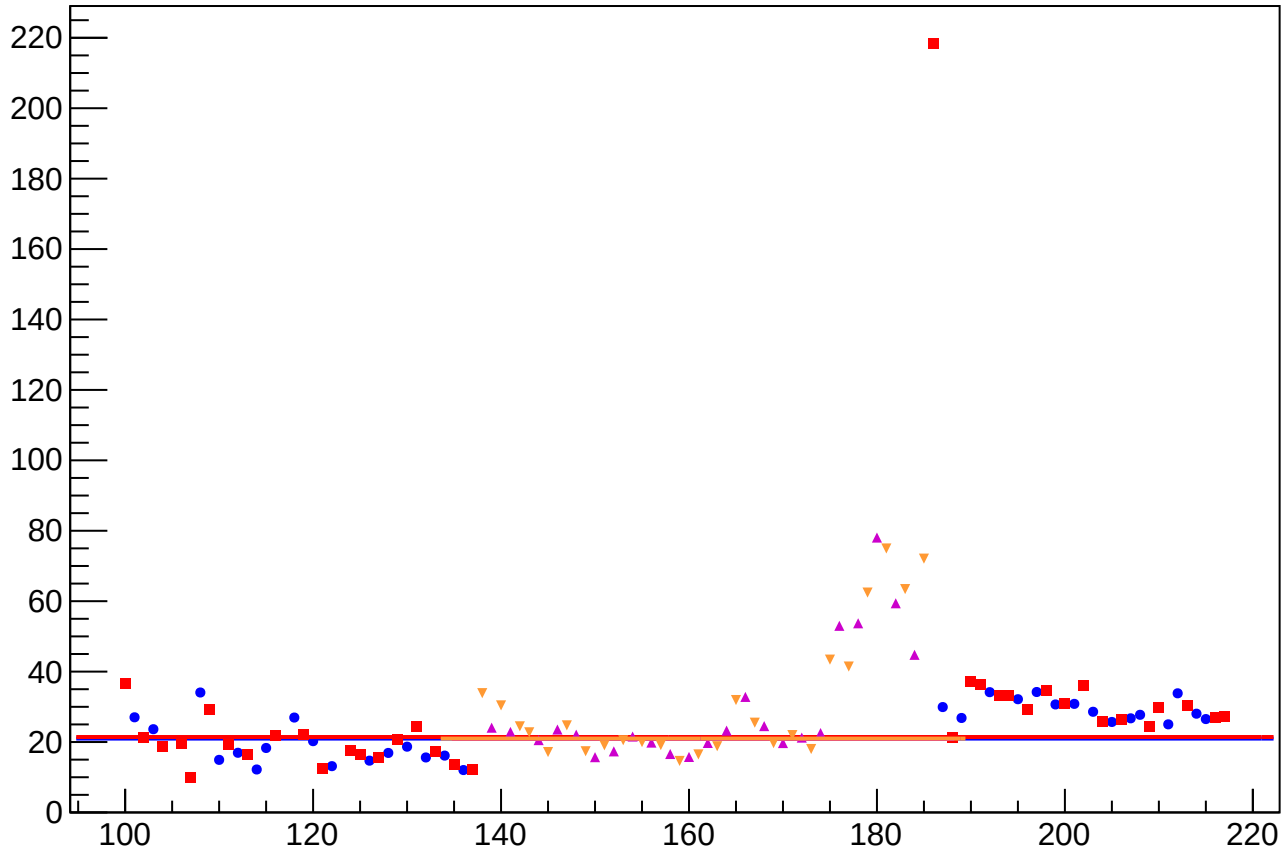
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.004+/-0.004 χ^2/NDF: 191.9/66

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: 0.005+/-0.004 χ^2/NDF:168.2/60

All: 0.001+/-0.003 χ^2/NDF: 240.1/114



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: 21.424+/-0.004 χ^2/NDF: 4469142.3/35

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

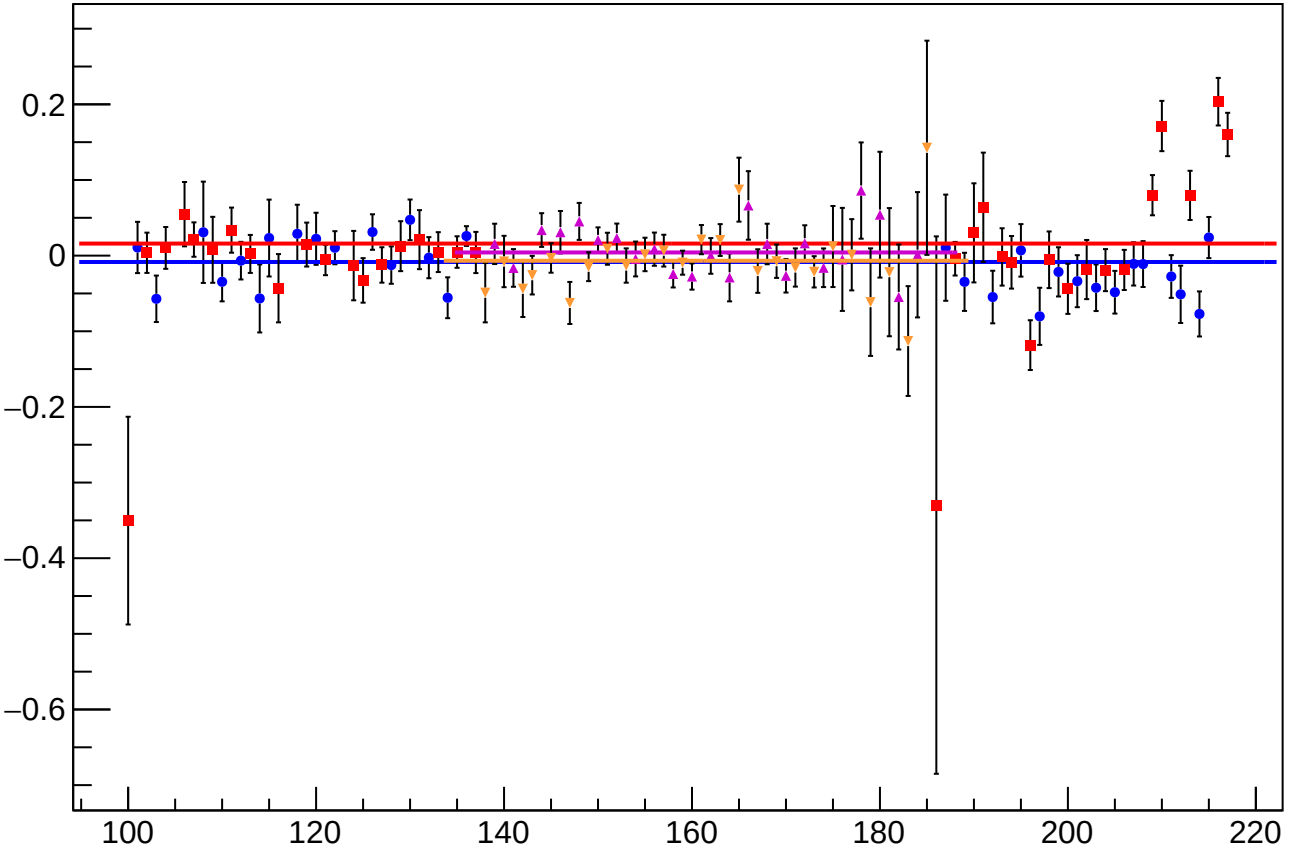
Right: 21.206+/-0.003 χ^2/NDF: 8460609.3/66

In: 20.926+/-0.003 χ^2/NDF:7519431.3/53

Out: 21.206+/-0.003 χ^2/NDF:8943536.6/60

All: 21.068+/-0.002 χ^2/NDF: 16468786.6/114

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

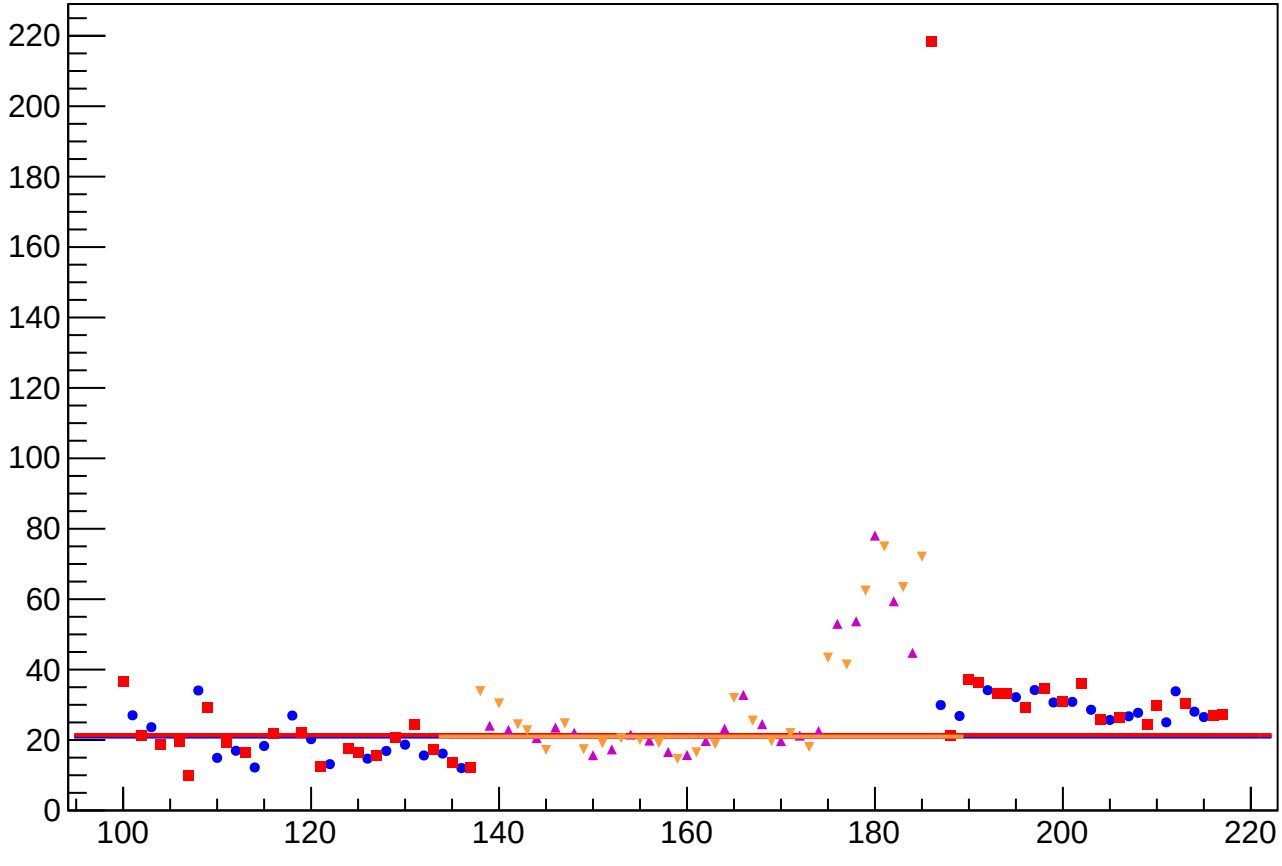
Right: 0.004+/-0.004 χ^2/NDF: 191.9/66

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: 0.005+/-0.004 χ^2/NDF:168.2/60

All: 0.001+/-0.003 χ^2/NDF: 240.1/114

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: 21.424+/-0.004 χ^2/NDF: 4469142.3/35

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

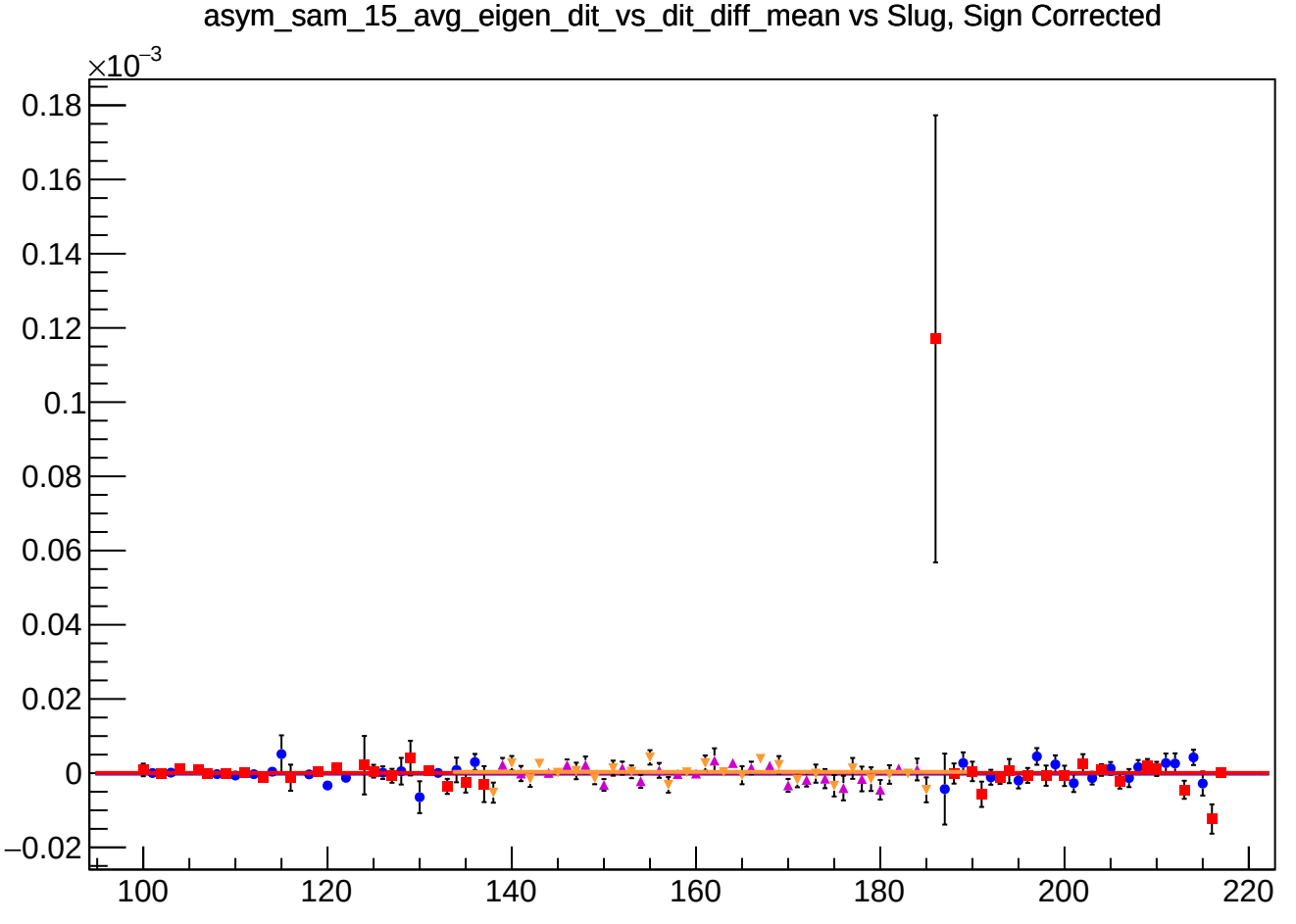
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.206+/-0.003 χ^2/NDF: 8460609.3/66

In: 20.926+/-0.003 χ^2/NDF:7519431.3/53

Out: 21.206+/-0.003 χ^2/NDF:8943536.6/60

All: 21.068+/-0.002 χ^2/NDF: 16468786.6/114



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: 45.0/35

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

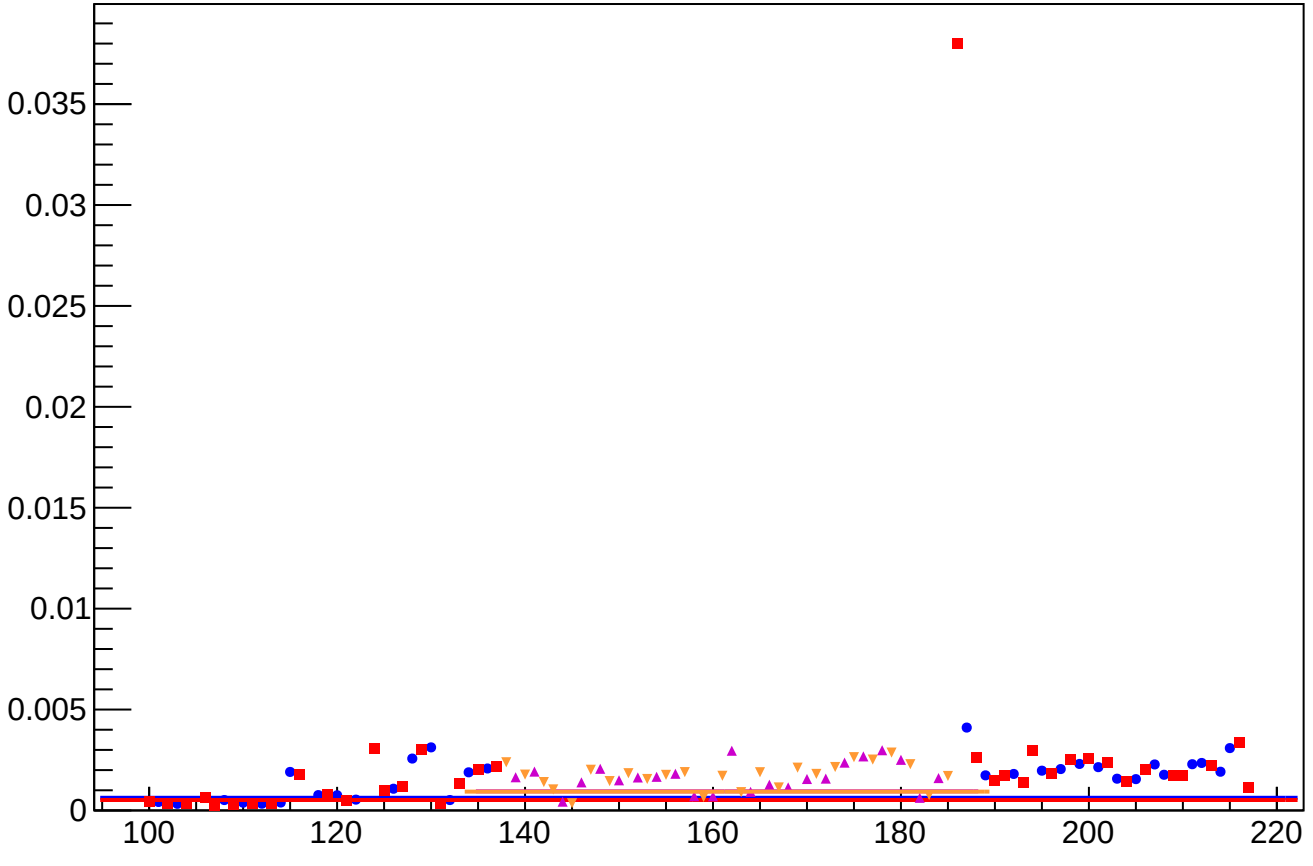
Right: -0.000+/-0.000 χ^2/NDF: 78.3/66

In: 0.000+/-0.000 χ^2/NDF:65.8/53

Out: 0.000+/-0.000 χ^2/NDF:80.1/60

All: 0.000+/-0.000 χ^2/NDF: 146.3/114

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 16243967.7/30

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 19498108.4/35

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

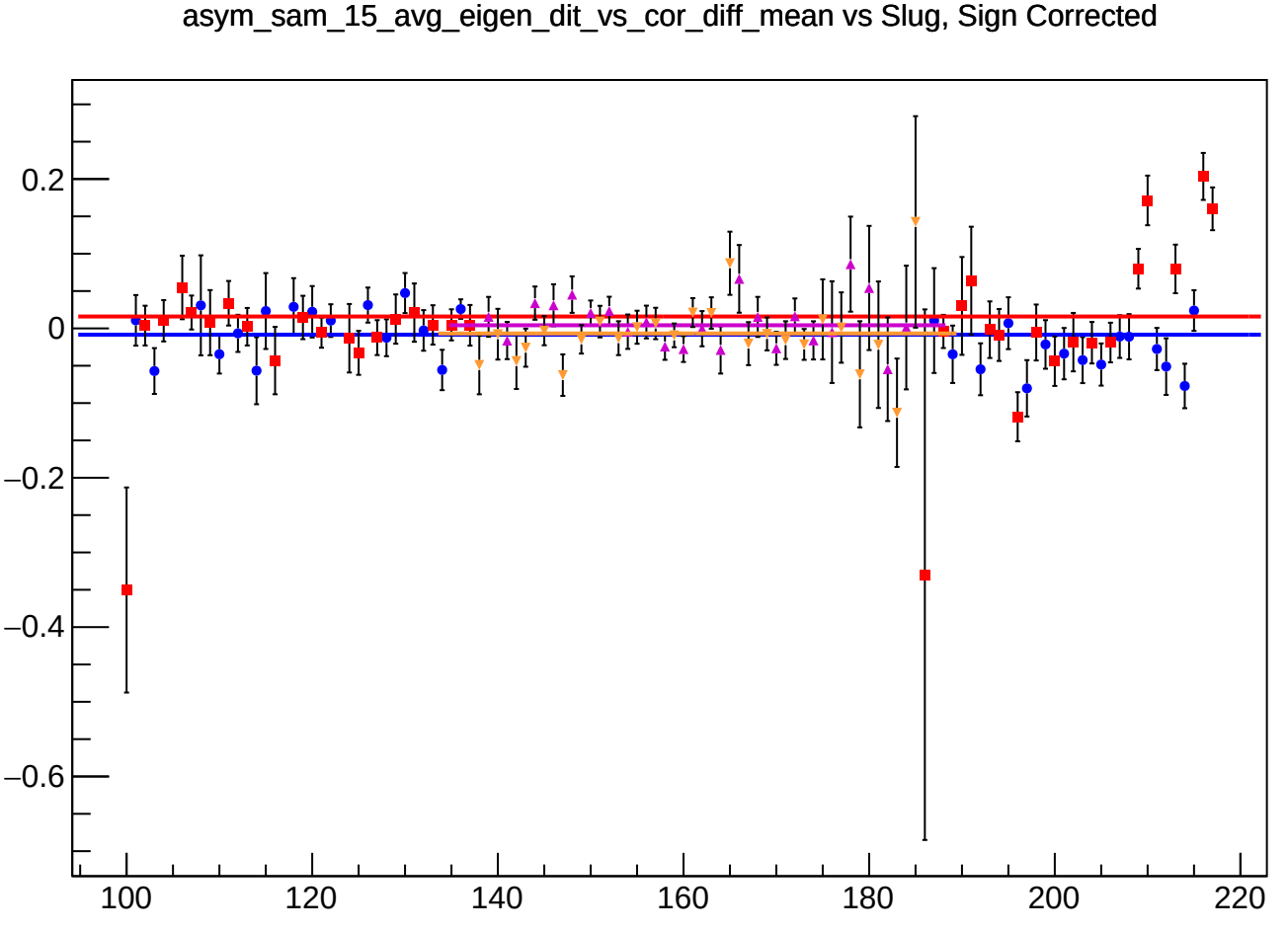
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 36106248.0/66

In: 0.001+/-0.000 χ^2/NDF:27622884.0/53

Out: 0.001+/-0.000 χ^2/NDF:35103023.6/60

All: 0.001+/-0.000 χ^2/NDF: 63236633.4/114



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: 0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

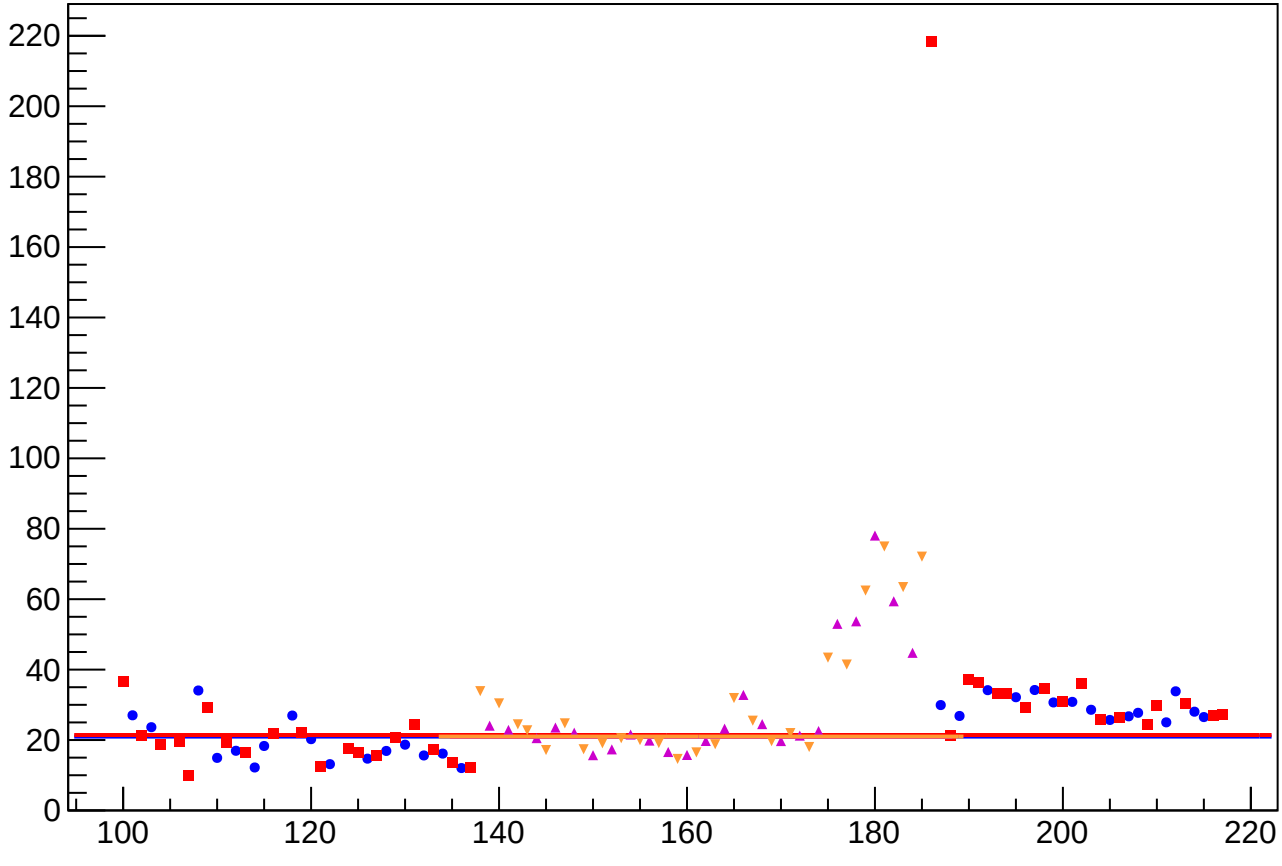
Right: 0.004+/-0.004 χ^2/NDF: 191.9/66

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: 0.005+/-0.004 χ^2/NDF:168.2/60

All: 0.001+/-0.003 χ^2/NDF: 240.1/114

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: 21.424+/-0.004 χ^2/NDF: 4469144.5/35

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

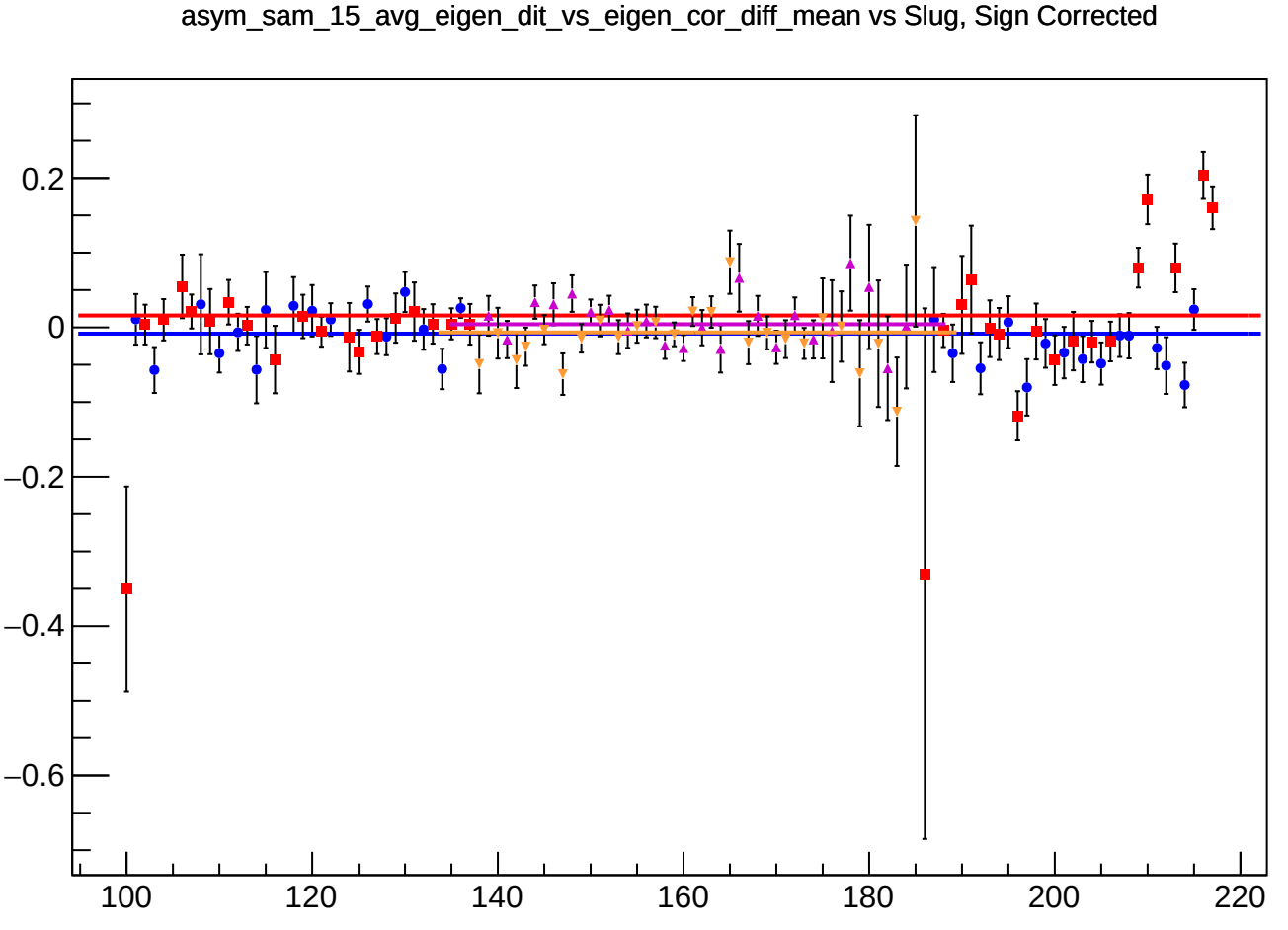
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.205+/-0.003 χ^2/NDF: 8460606.5/66

In: 20.926+/-0.003 χ^2/NDF:7519472.6/53

Out: 21.206+/-0.003 χ^2/NDF:8943497.7/60

All: 21.068+/-0.002 χ^2/NDF: 16468788.8/114



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: 0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

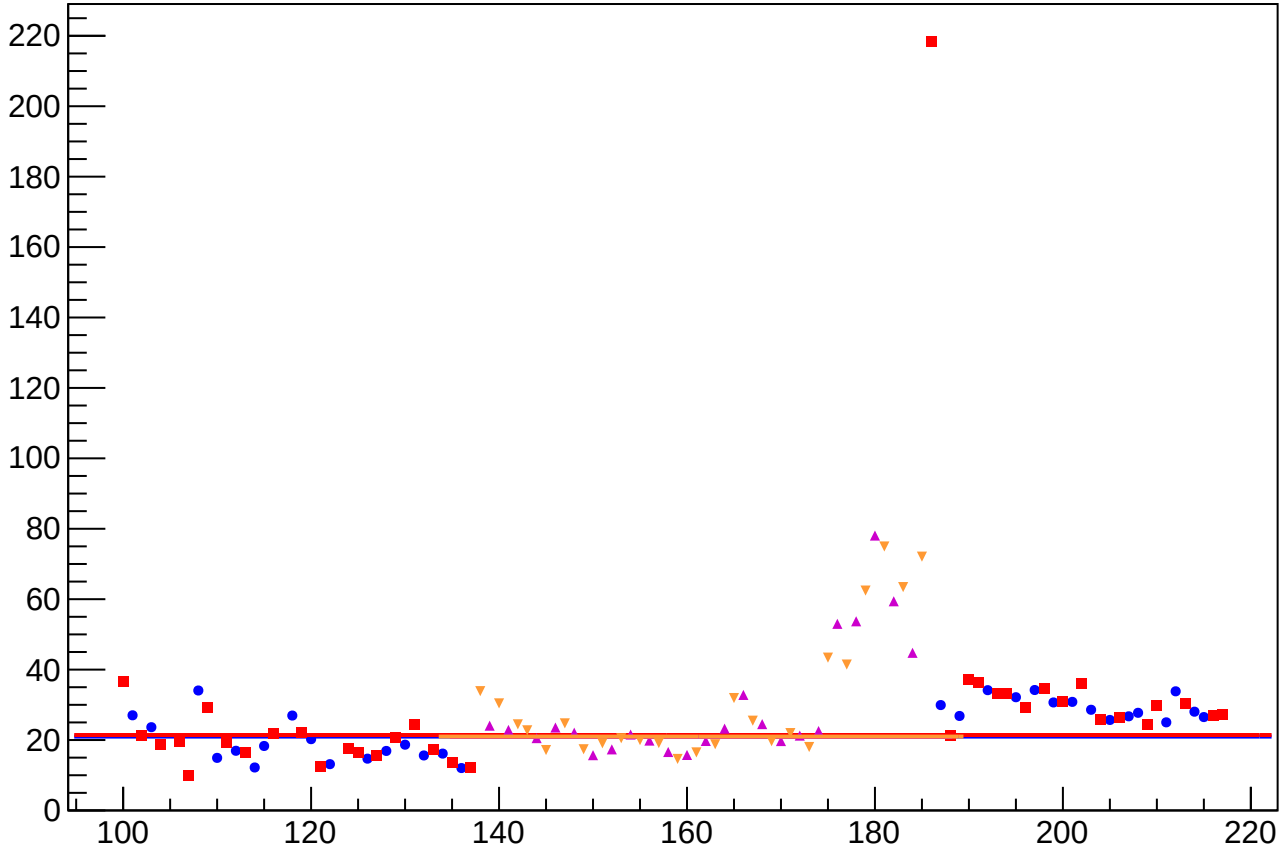
Right: 0.004+/-0.004 χ^2/NDF: 191.9/66

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: 0.005+/-0.004 χ^2/NDF:168.2/60

All: 0.001+/-0.003 χ^2/NDF: 240.1/114

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: 21.424+/-0.004 χ^2/NDF: 4469144.5/35

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

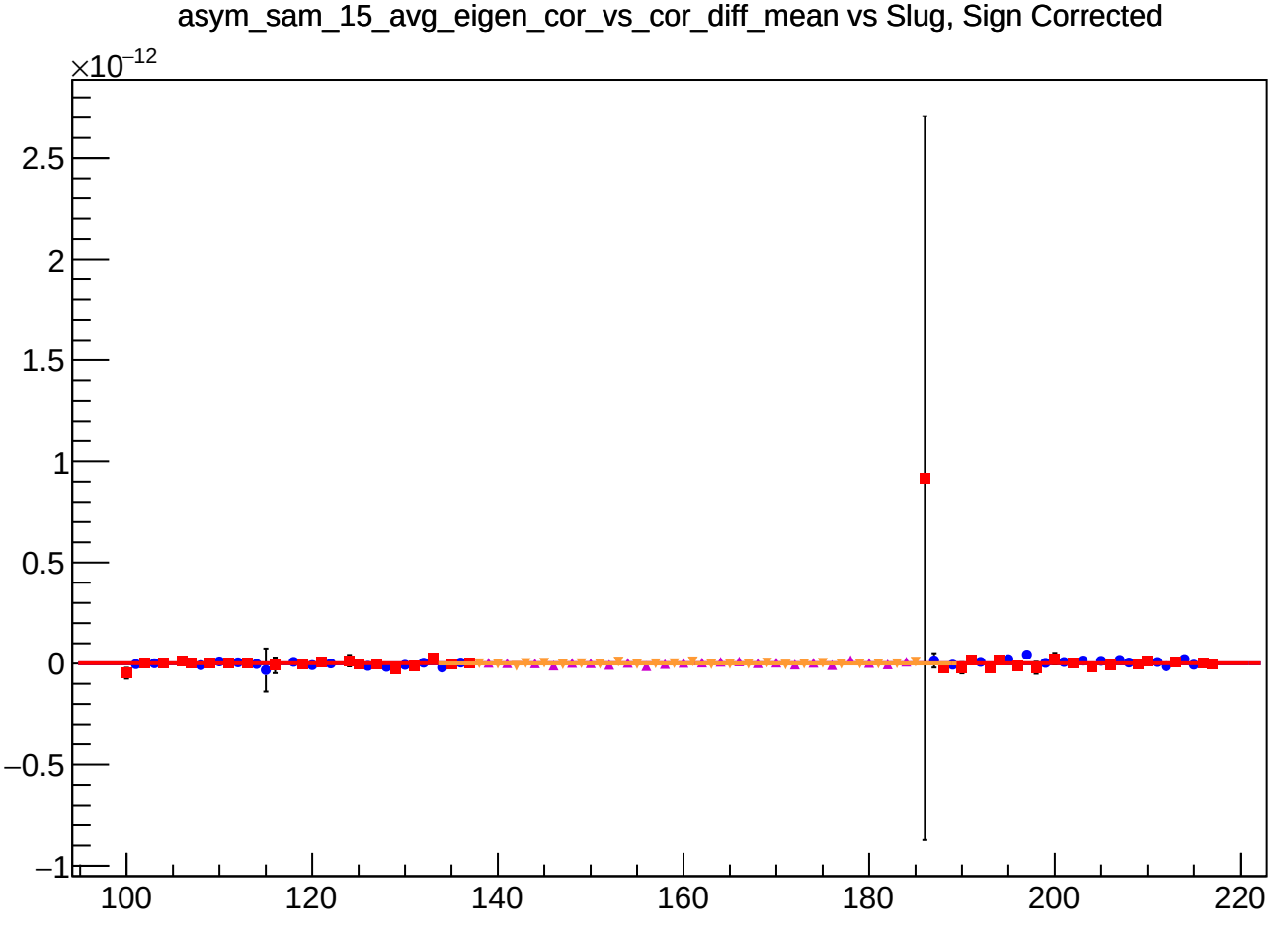
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.205+/-0.003 χ^2/NDF: 8460606.5/66

In: 20.926+/-0.003 χ^2/NDF:7519472.6/53

Out: 21.206+/-0.003 χ^2/NDF:8943497.7/60

All: 21.068+/-0.002 χ^2/NDF: 16468788.8/114



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: 27.0/35

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

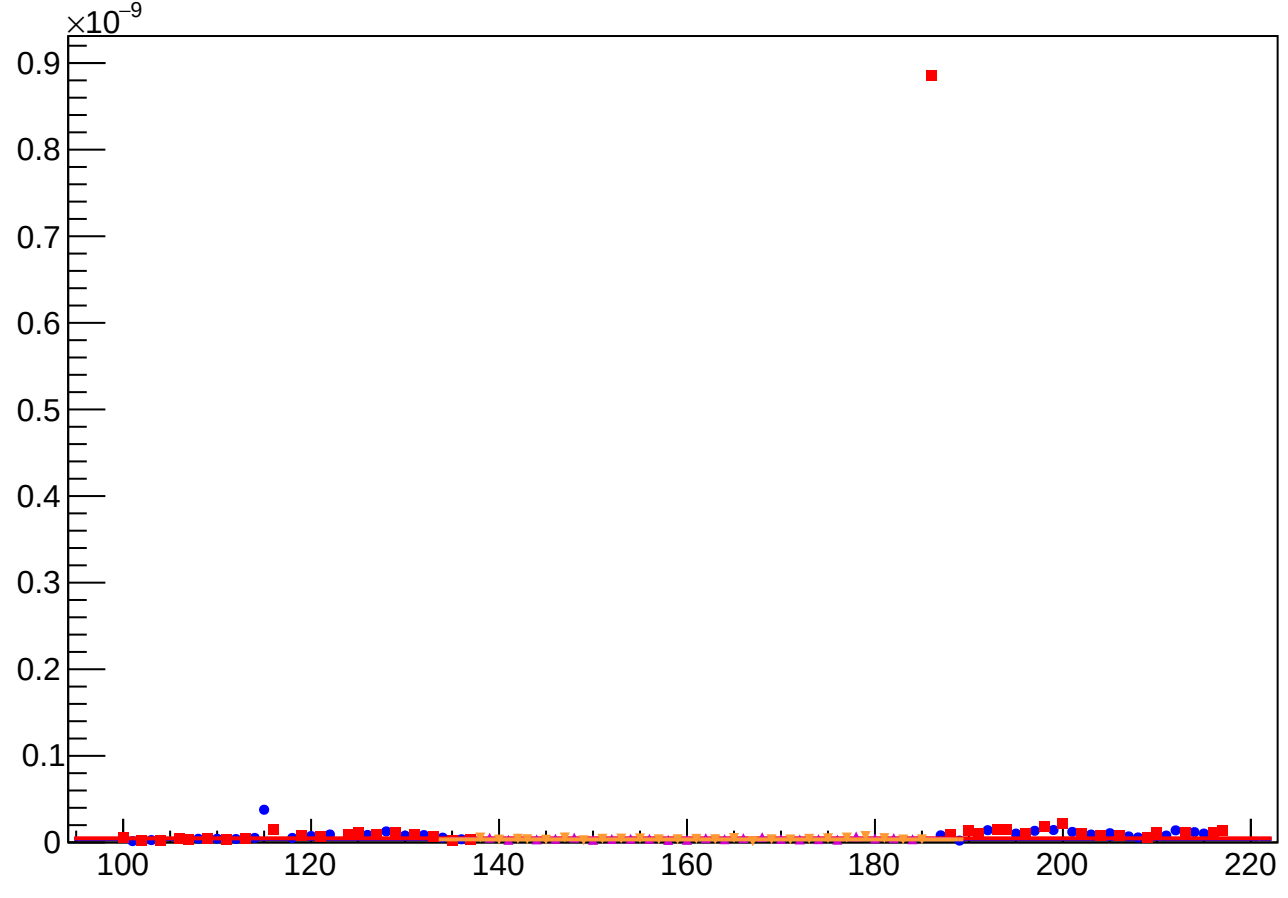
Right: 0.000+/-0.000 χ^2/NDF: 55.7/66

In: 0.000+/-0.000 χ^2/NDF:55.1/53

Out: 0.000+/-0.000 χ^2/NDF:42.0/60

All: 0.000+/-0.000 χ^2/NDF: 97.1/114

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: 9456244.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

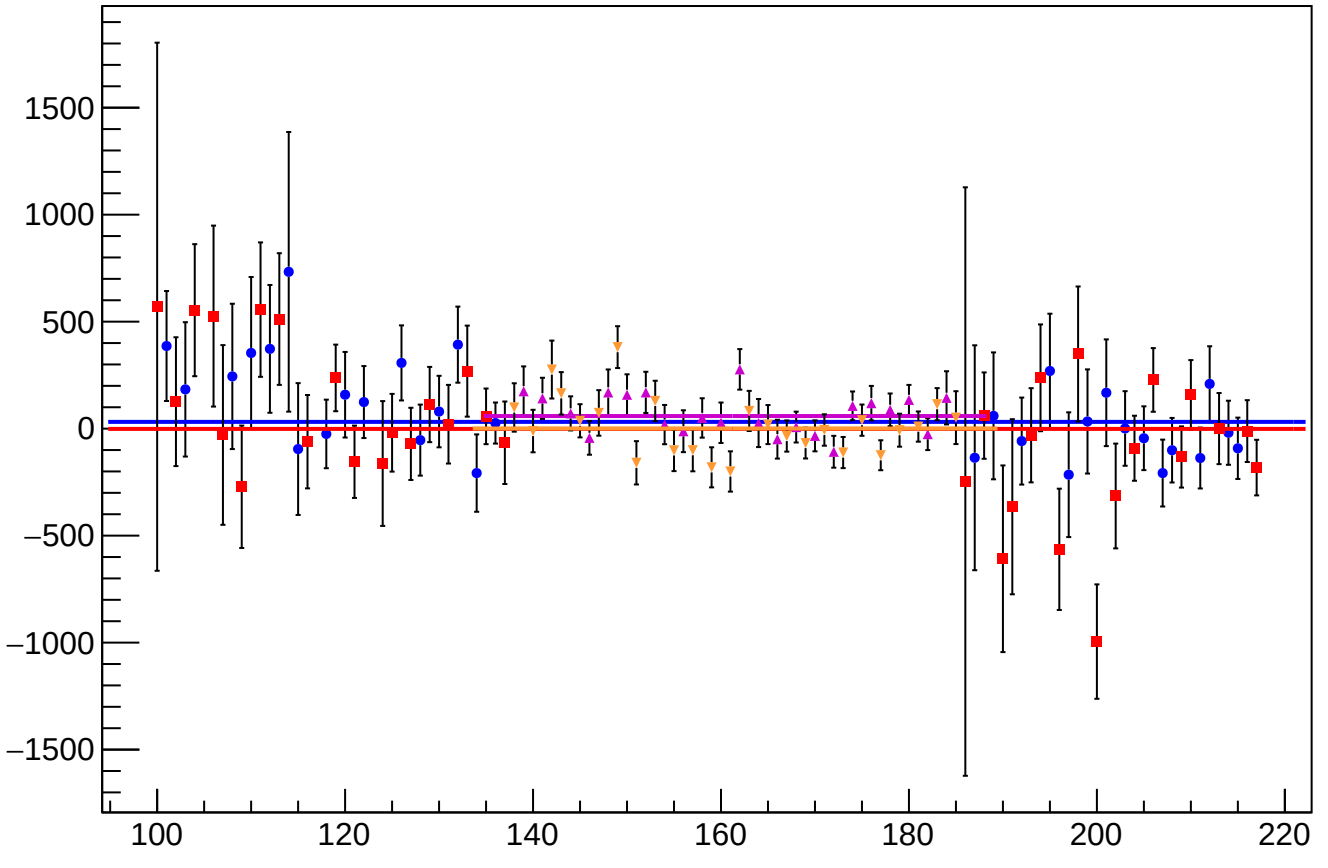
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 18772946.2/66

In: 0.000+/-0.000 χ^2/NDF:10293570.5/53

Out: 0.000+/-0.000 χ^2/NDF:12784031.0/60

All: 0.000+/-0.000 χ^2/NDF: 23080122.4/114



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: -1.215+/-34.186 χ^2/NDF: 49.0/35

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

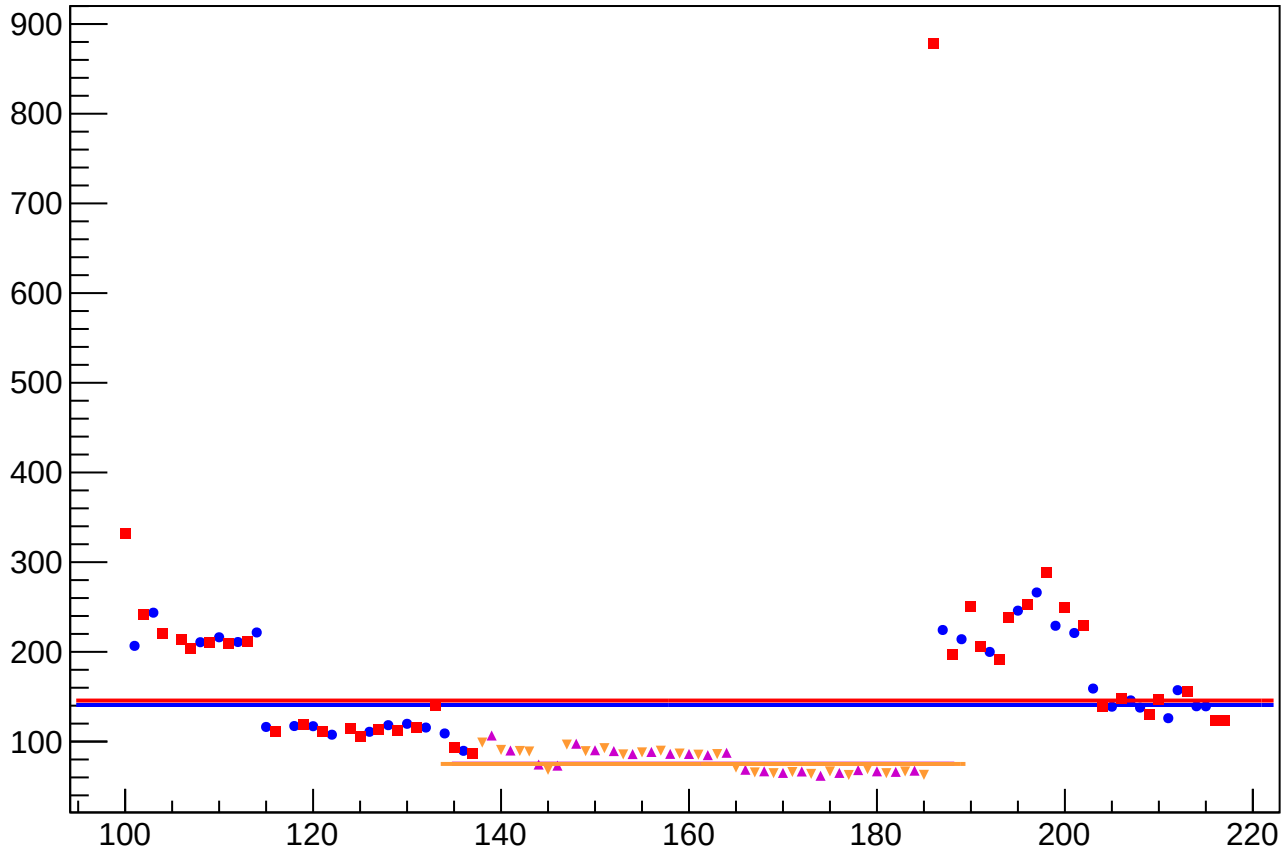
Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

Right: 15.403+/-24.028 χ^2/NDF: 73.8/66

In: 52.937+/-15.802 χ^2/NDF:50.6/53

Out: 0.228+/-15.450 χ^2/NDF:97.6/60

All: 25.988+/-11.047 χ^2/NDF: 153.9/114



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: 145.712+/-0.024 χ^2/NDF: 4349704.8/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

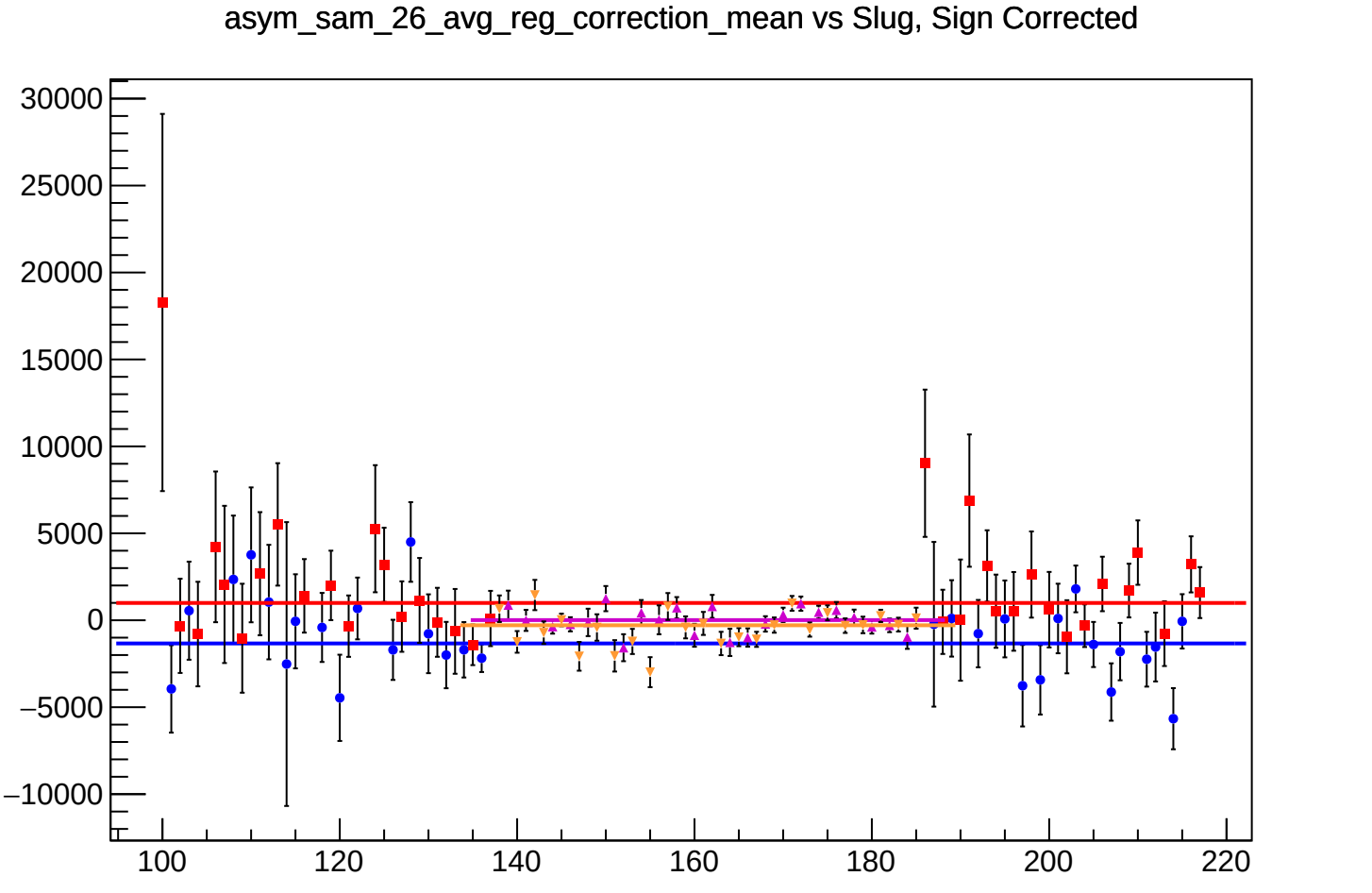
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 143.209+/-0.017 χ^2/NDF: 7547867.2/66

In: 89.667+/-0.011 χ^2/NDF:9873323.3/53

Out: 89.475+/-0.011 χ^2/NDF:12079040.3/60

All: 89.569+/-0.008 χ^2/NDF: 21952514.7/114



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: 995.711+/-345.966 χ^2/NDF: 31.0/35

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

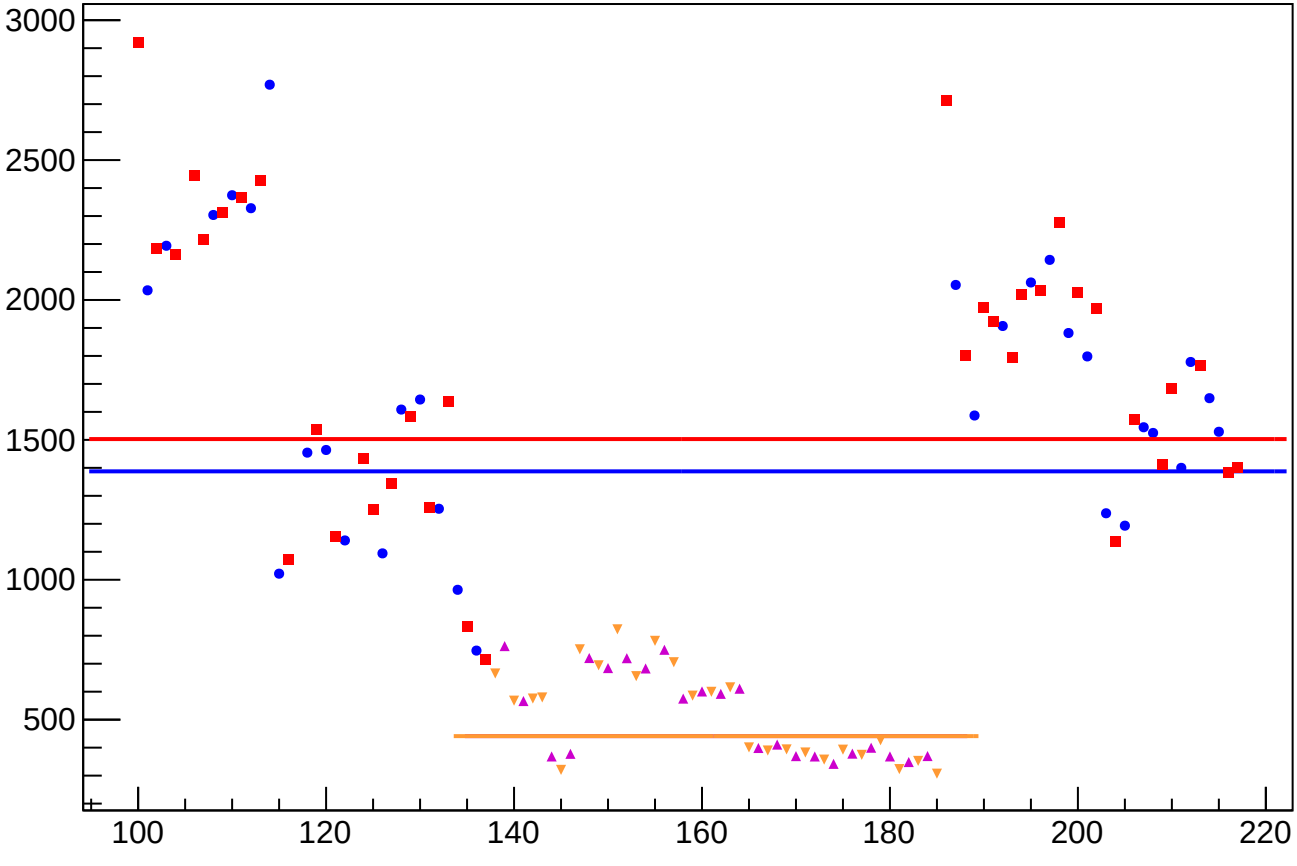
Right: -214.868+/-239.764 χ^2/NDF: 89.6/66

In: -116.876+/-102.435 χ^2/NDF:83.3/53

Out: -179.365+/-100.677 χ^2/NDF:96.8/60

All: -148.661+/-71.803 χ^2/NDF: 180.4/114

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: 1502.866+/-0.245 χ^2/NDF: 3407483.9/35

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

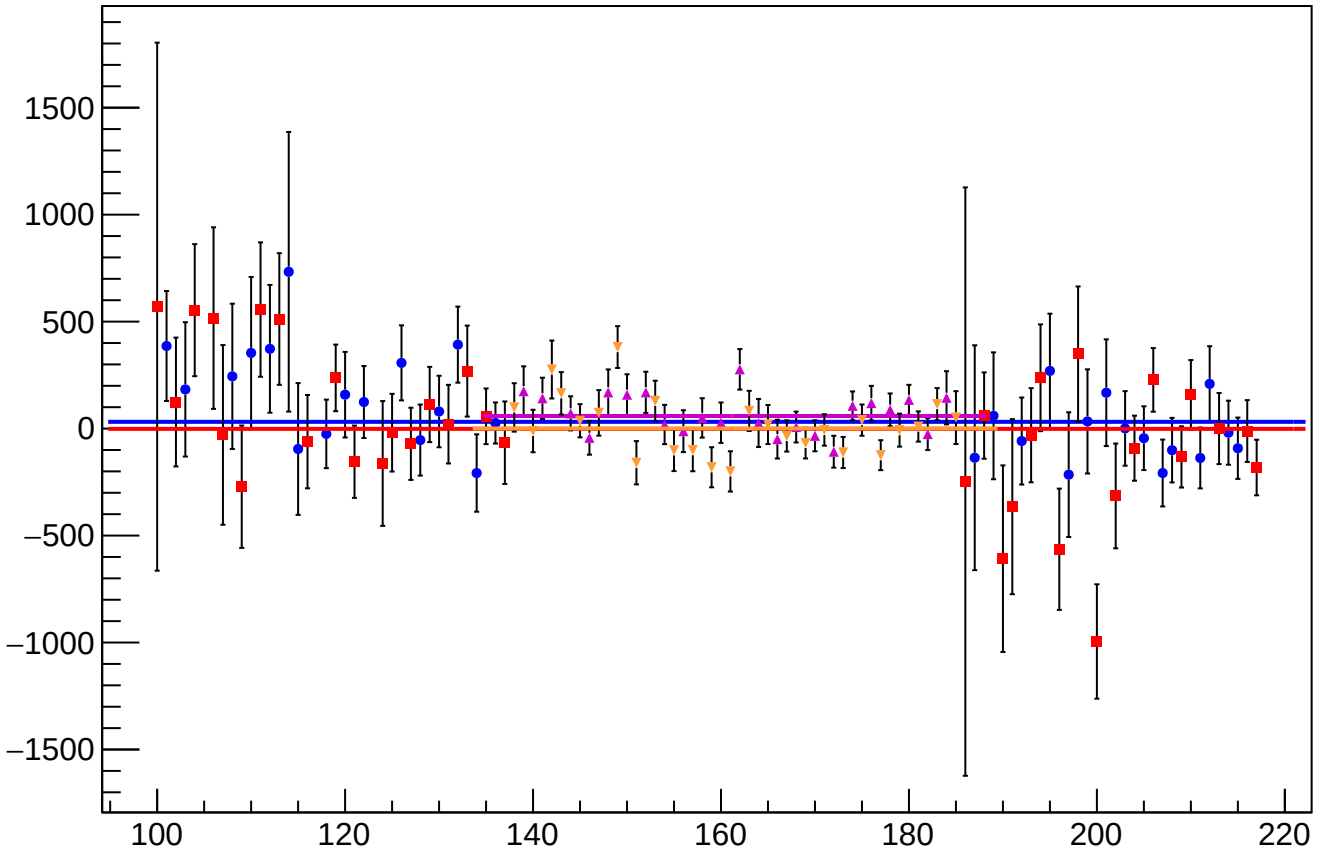
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1442.898+/-0.170 χ^2/NDF: 6956630.6/66

In: 530.963+/-0.072 χ^2/NDF:20770586.1/53

Out: 531.039+/-0.071 χ^2/NDF:23883328.9/60

All: 531.002+/-0.051 χ^2/NDF: 44653915.5/11



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: -1.325+/-34.187 χ^2/NDF: 48.9/35

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

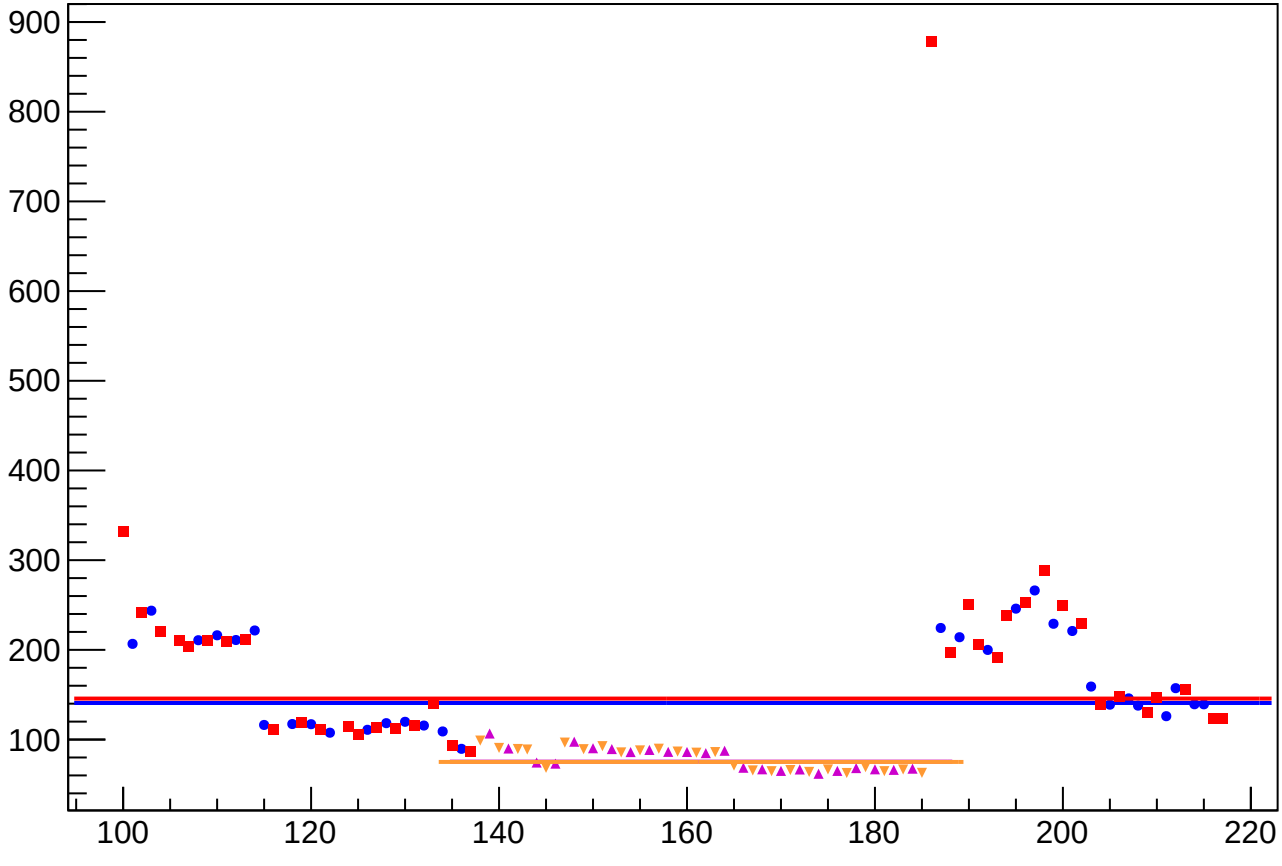
Right: 15.344+/-24.028 χ^2/NDF: 73.7/66

In: 52.933+/-15.802 χ^2/NDF:50.6/53

Out: 0.205+/-15.450 χ^2/NDF:97.5/60

All: 25.975+/-11.047 χ^2/NDF: 153.8/114

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: 145.689+/-0.024 χ^2/NDF: 4345098.9/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

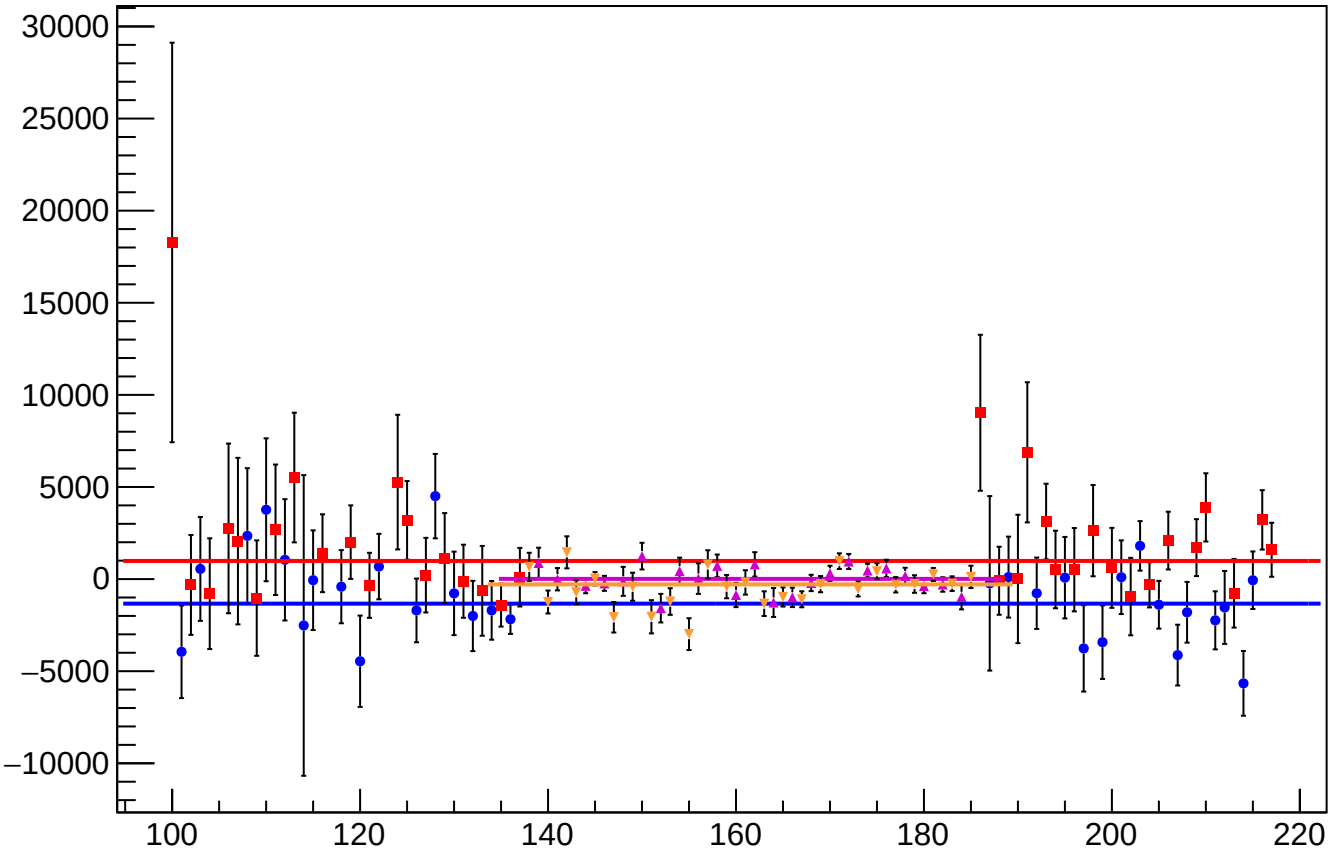
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 143.198+/-0.017 χ^2/NDF: 7543067.6/66

In: 89.667+/-0.011 χ^2/NDF:9873325.4/53

Out: 89.470+/-0.011 χ^2/NDF:12069704.0/60

All: 89.566+/-0.008 χ^2/NDF: 21943188.9/114



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: 985.160+/-346.097 χ^2/NDF: 30.5/35

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

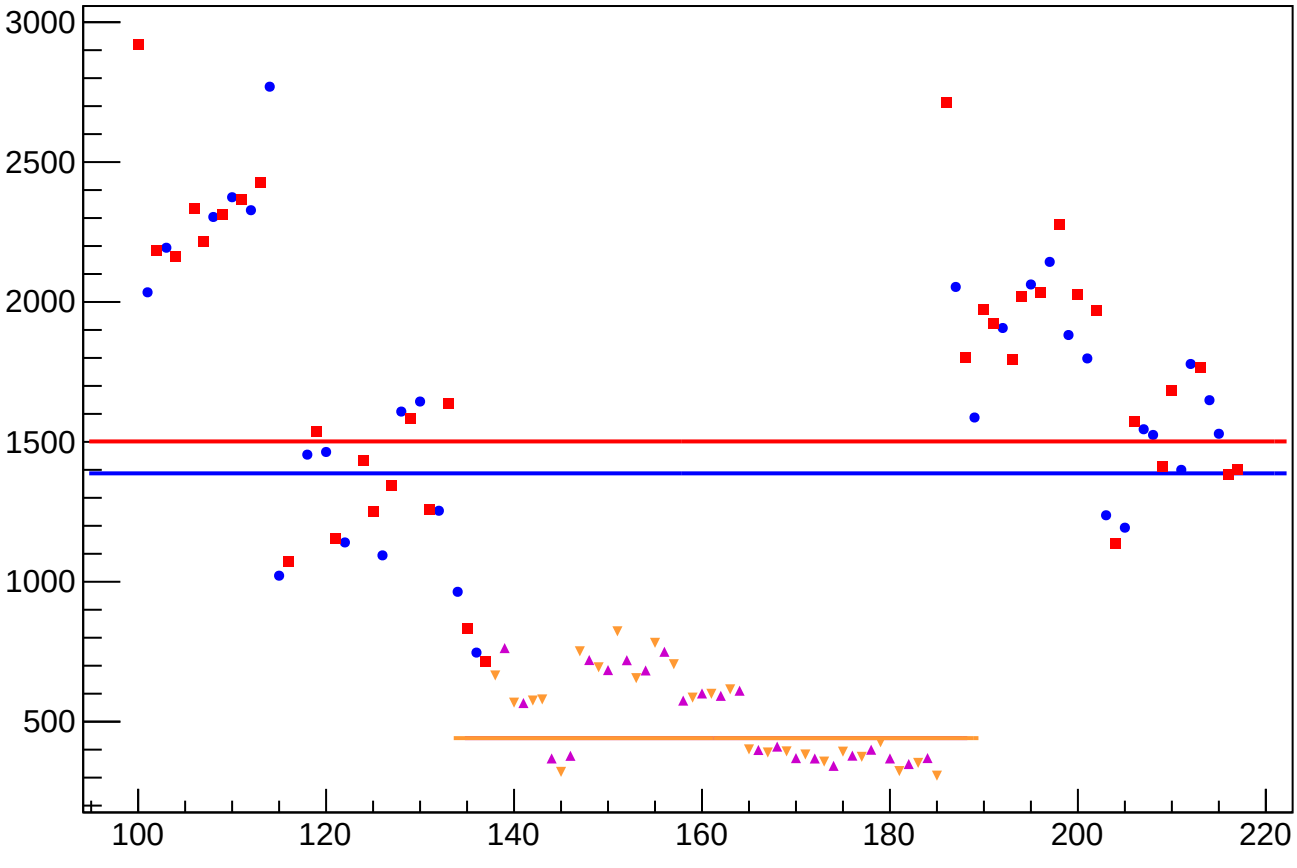
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -220.368+/-239.807 χ^2/NDF: 89.0/66

In: -116.875+/-102.435 χ^2/NDF:83.3/53

Out: -180.332+/-100.680 χ^2/NDF:96.2/60

All: -149.152+/-71.804 χ^2/NDF: 179.7/114



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: 1501.568+/-0.245 χ^2/NDF: 3378679.8/35

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

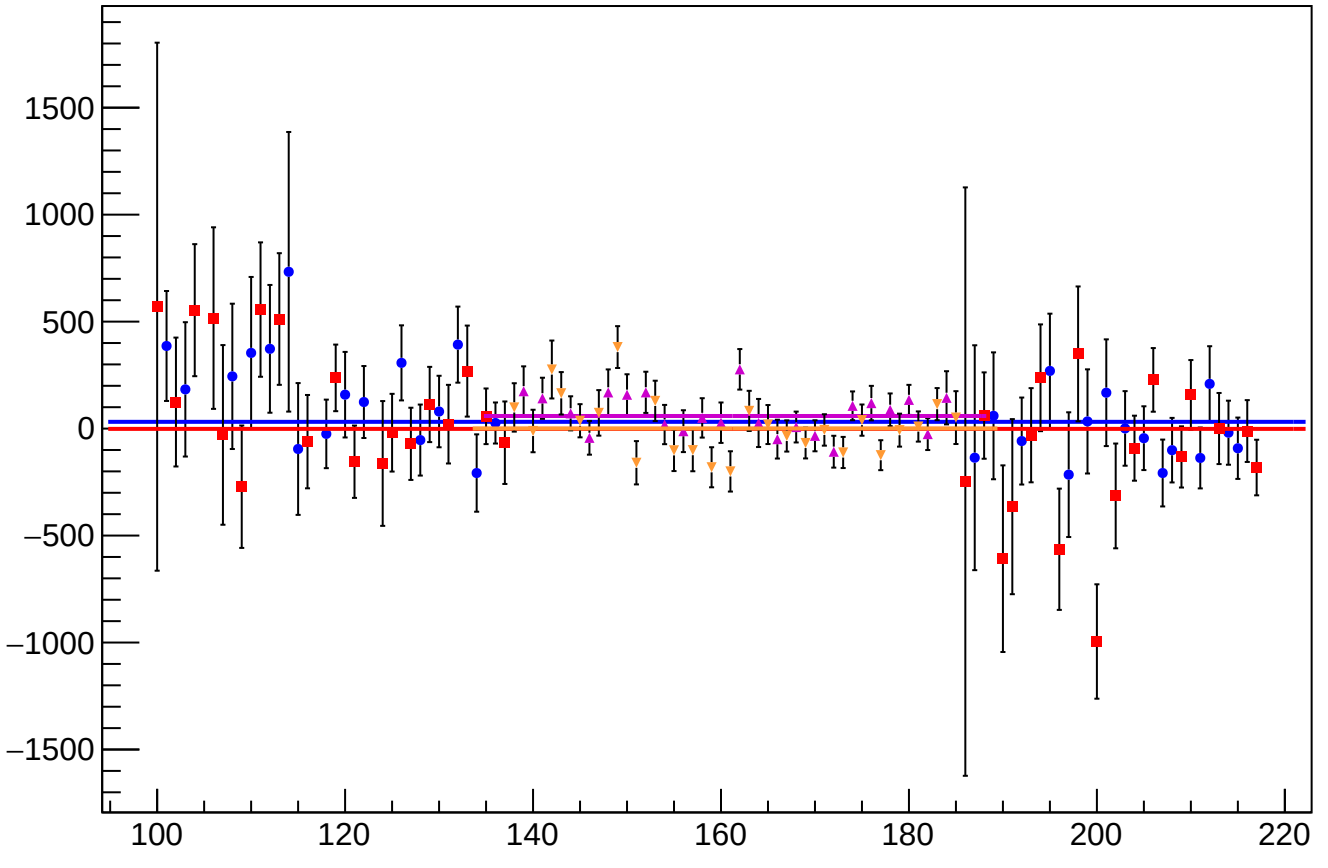
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1442.254+/-0.170 χ^2/NDF: 6925227.2/66

In: 530.964+/-0.072 χ^2/NDF:20770594.2/53

Out: 530.867+/-0.071 χ^2/NDF:23800548.4/60

All: 530.915+/-0.051 χ^2/NDF: 44571143.5/11



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: -1.325+/-34.187 χ^2/NDF: 48.9/35

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

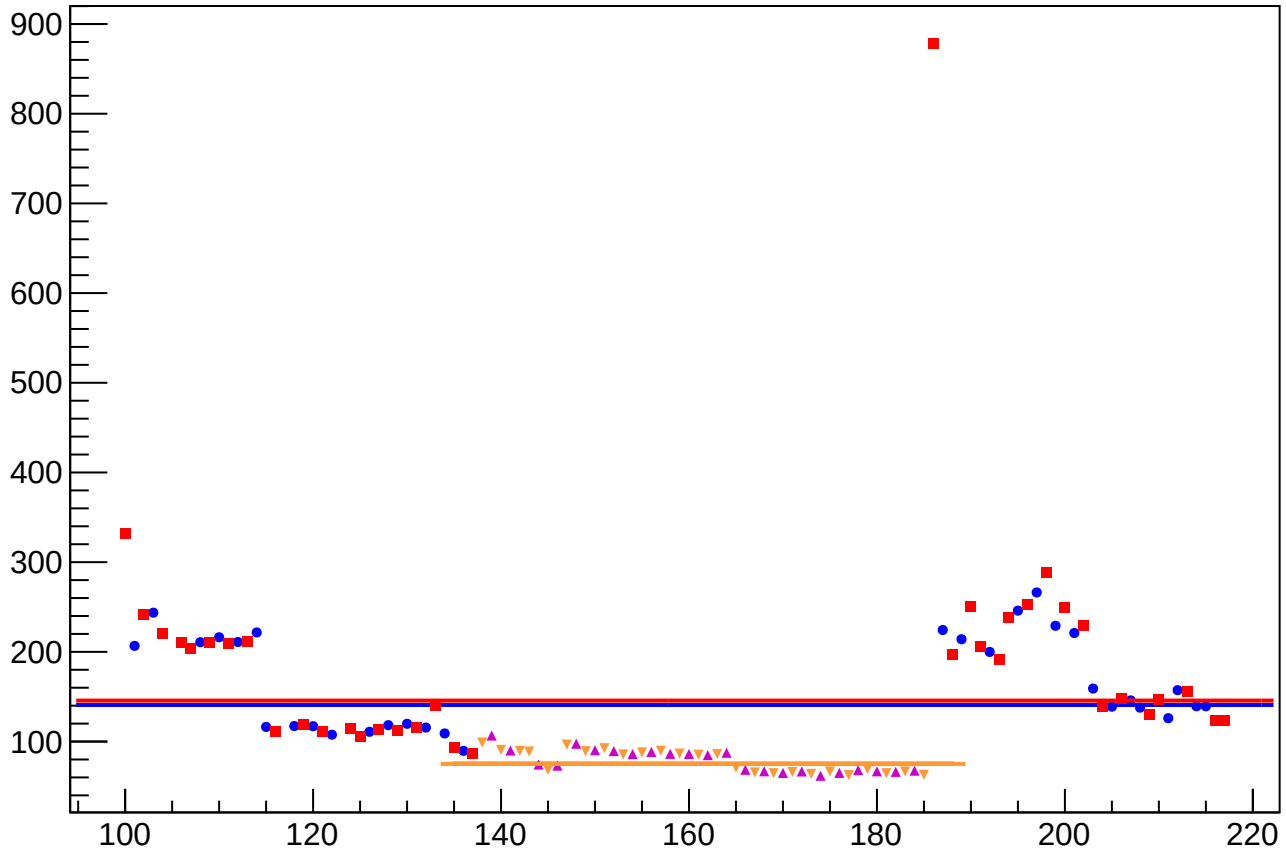
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 15.344+/-24.028 χ^2/NDF: 73.7/66

In: 52.933+/-15.802 χ^2/NDF:50.6/53

Out: 0.205+/-15.450 χ^2/NDF:97.5/60

All: 25.975+/-11.047 χ^2/NDF: 153.8/114



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: 145.689+/-0.024 χ^2/NDF: 4345098.9/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

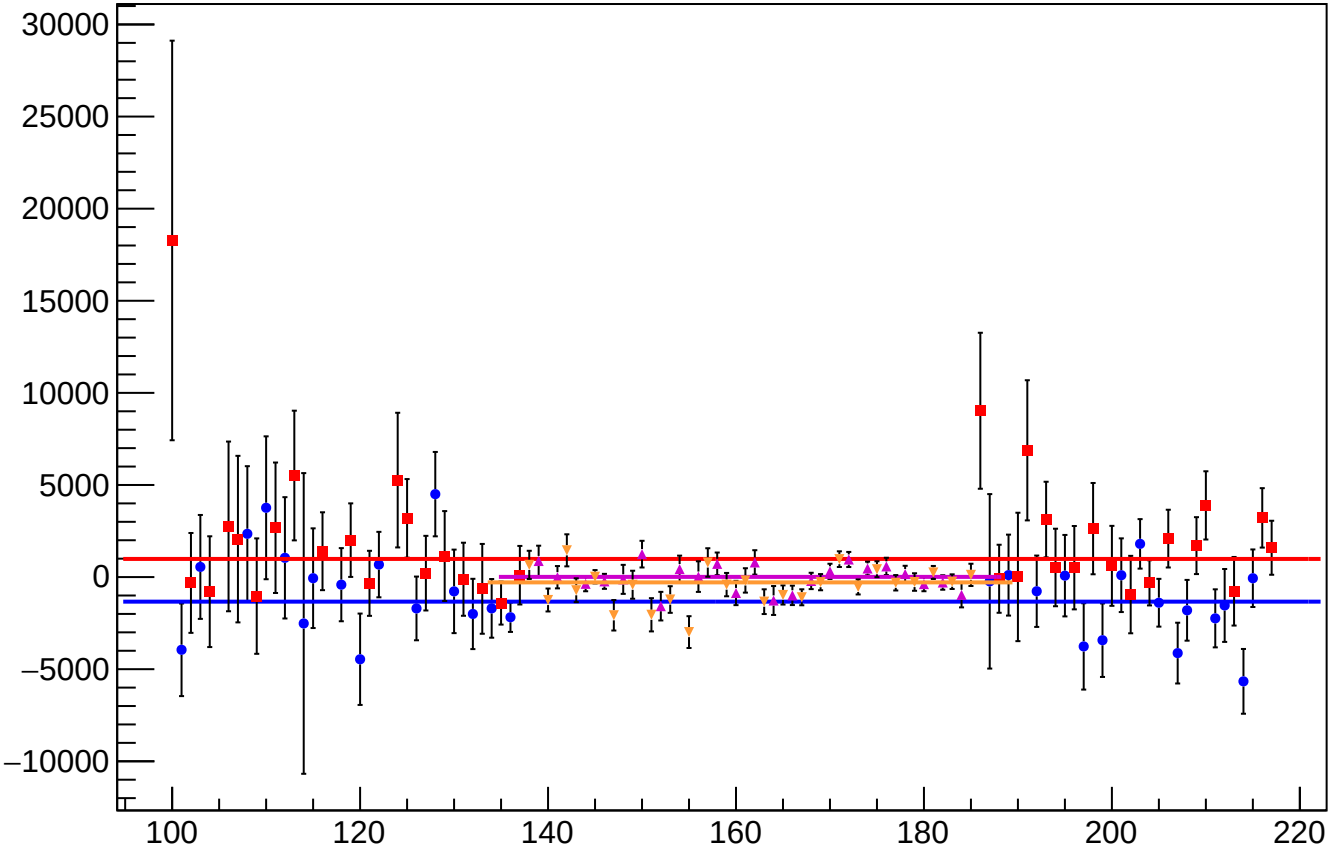
Right: 143.198+/-0.017 χ^2/NDF: 7543067.6/66

In: 89.667+/-0.011 χ^2/NDF:9873325.4/53

Out: 89.470+/-0.011 χ^2/NDF:12069704.0/60

All: 89.566+/-0.008 χ^2/NDF: 21943188.9/114

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: 985.160+/-346.097 χ^2/NDF: 30.5/35

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

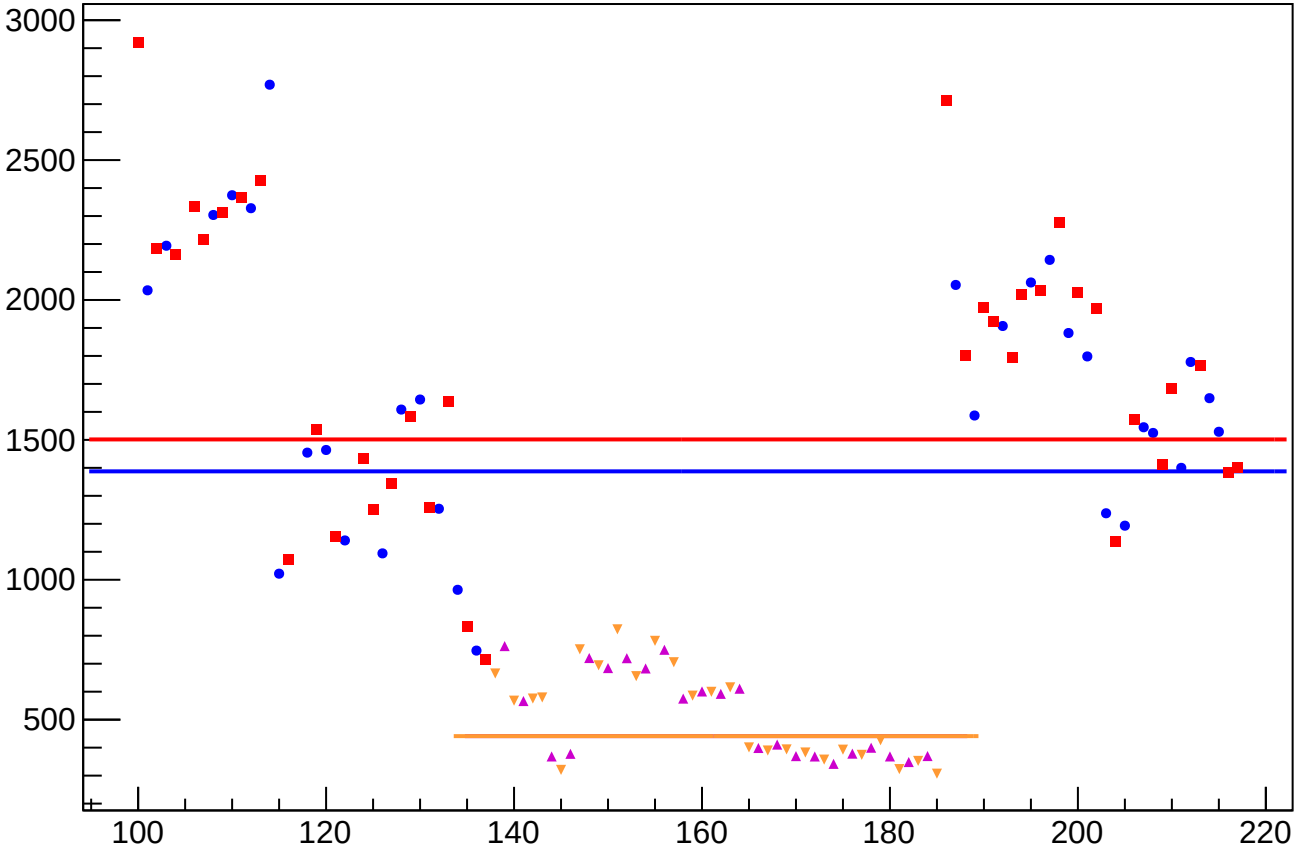
Right: -220.368+/-239.807 χ^2/NDF: 89.0/66

In: -116.875+/-102.435 χ^2/NDF:83.3/53

Out: -180.332+/-100.680 χ^2/NDF:96.2/60

All: -149.152+/-71.804 χ^2/NDF: 179.7/114

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: 1501.568+/-0.245 χ^2/NDF: 3378679.8/35

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

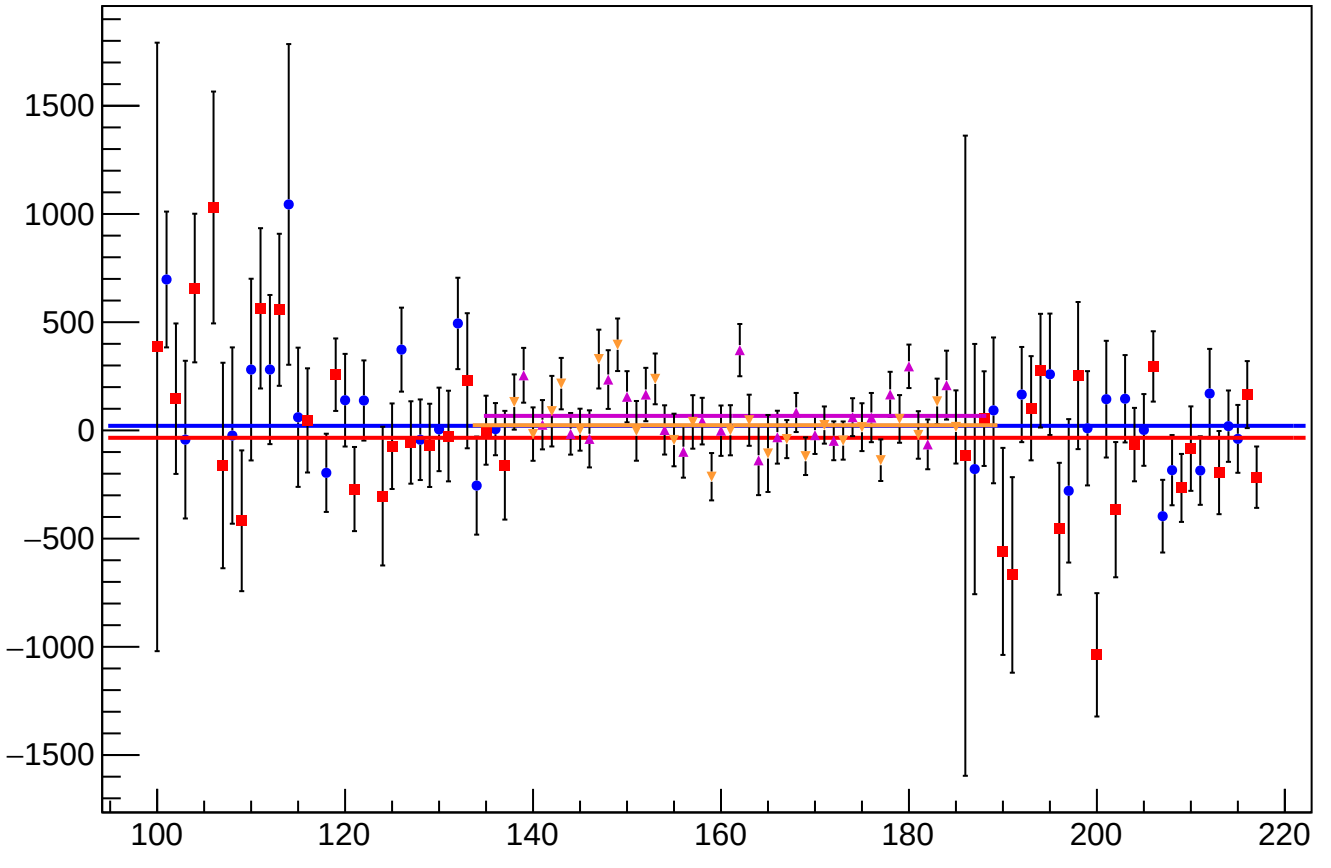
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1442.254+/-0.170 χ^2/NDF: 6925227.2/66

In: 530.964+/-0.072 χ^2/NDF:20770594.2/53

Out: 530.867+/-0.071 χ^2/NDF:23800548.4/60

All: 530.915+/-0.051 χ^2/NDF: 44571143.5/11



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: -34.223+/-38.636 χ^2/NDF: 53.3/35

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

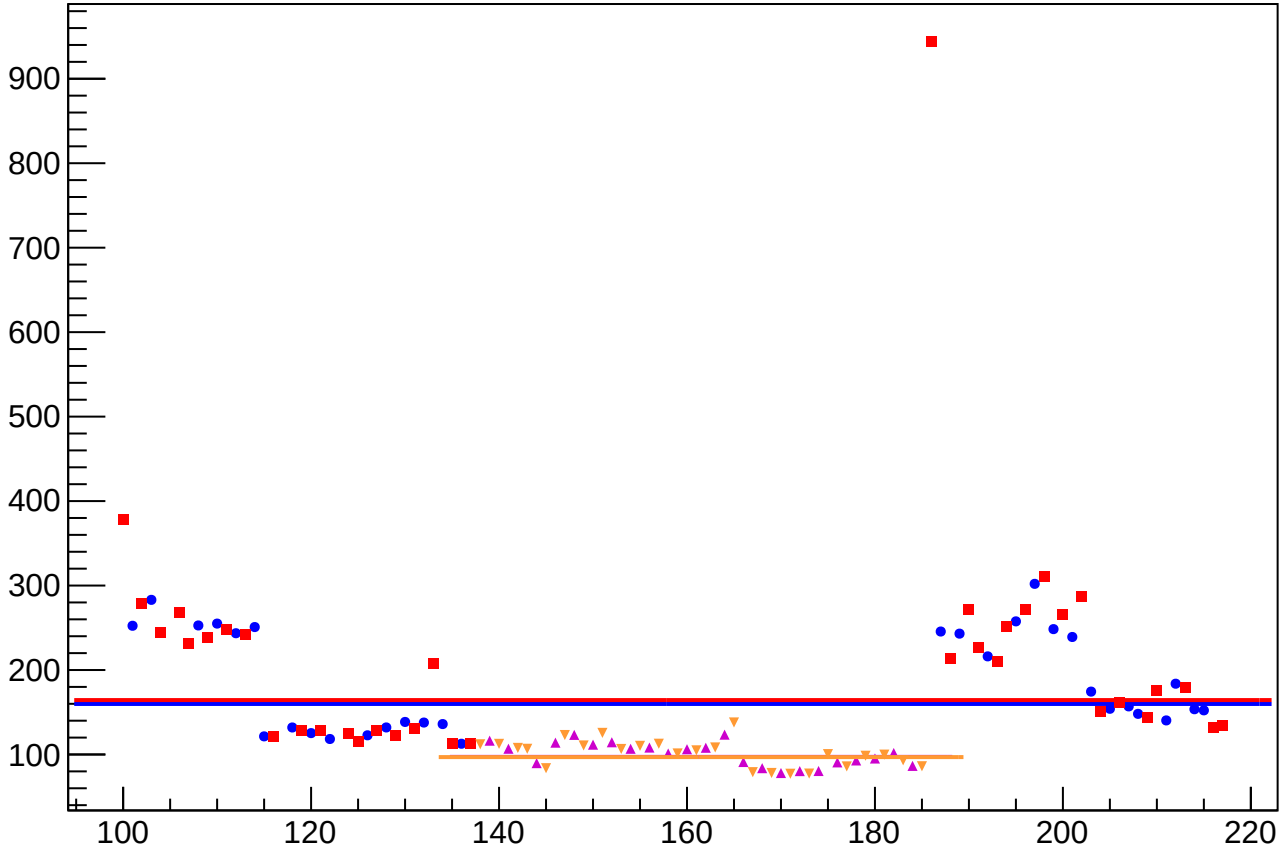
Right: -6.315+/-27.202 χ^2/NDF: 86.9/66

In: 54.810+/-19.795 χ^2/NDF:62.2/53

Out: 9.244+/-19.388 χ^2/NDF:90.2/60

All: 31.554+/-13.851 χ^2/NDF: 155.1/114

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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: 164.412+/-0.027 χ^2/NDF: 4217505.3/35

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

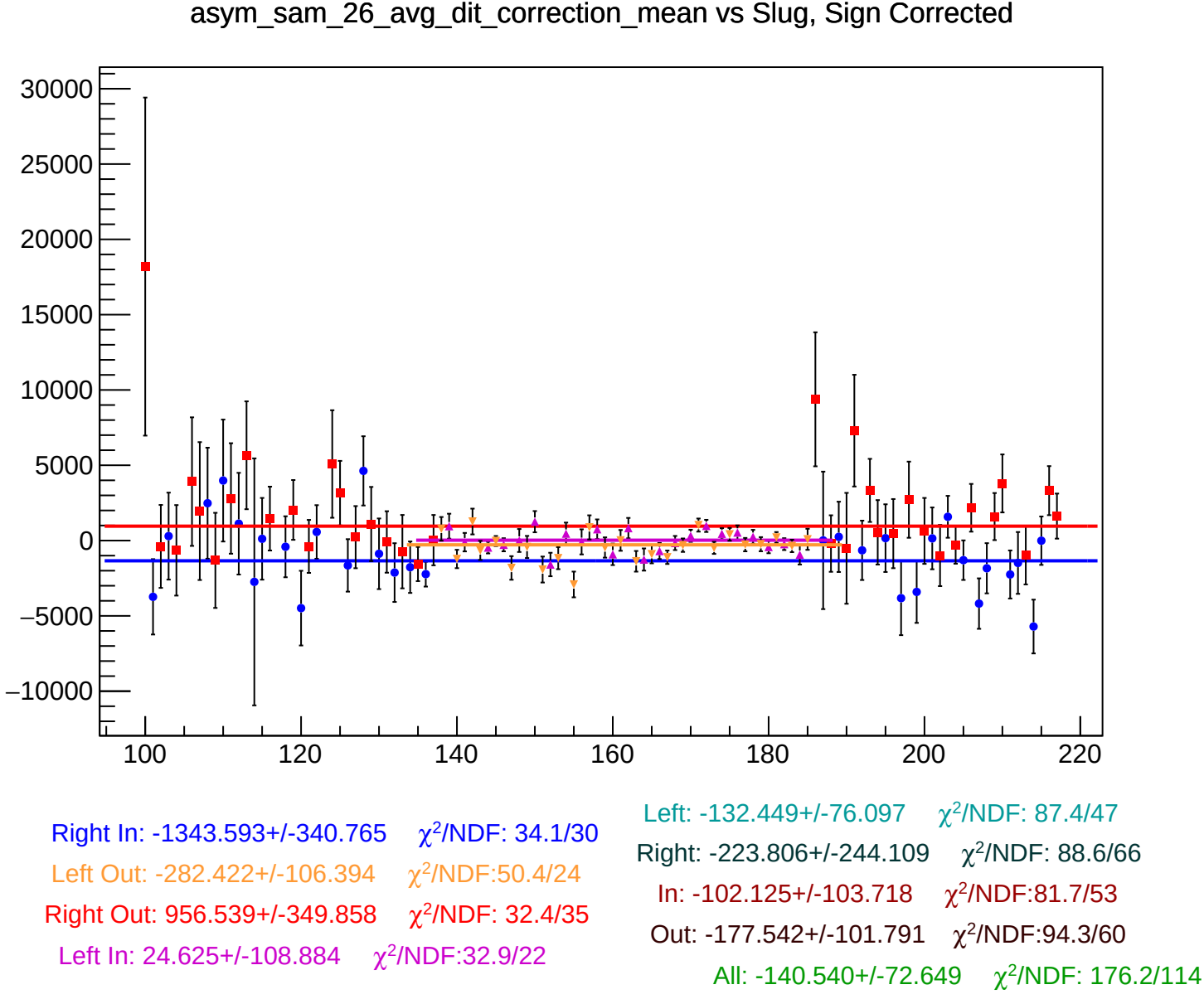
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 162.098+/-0.019 χ^2/NDF: 7105114.0/66

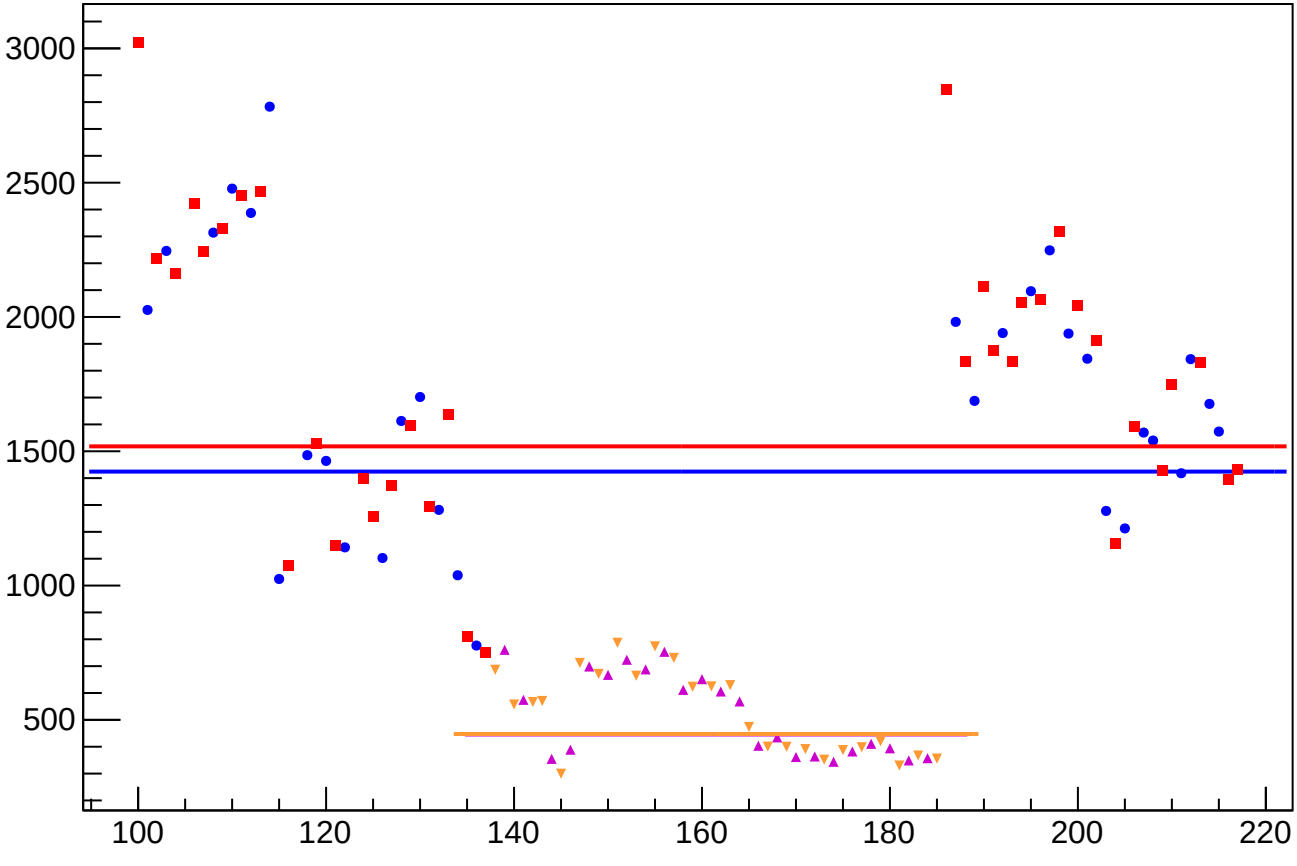
In: 113.899+/-0.014 χ^2/NDF:7470030.7/53

Out: 113.906+/-0.014 χ^2/NDF:9719517.7/60

All: 113.902+/-0.010 χ^2/NDF: 17189548.5/1


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1343.593+/-340.765 χ²/NDF: 34.1/30
Left Out: -282.422+/-106.394 χ²/NDF:50.4/24
Right Out: 956.539+/-349.858 χ²/NDF: 32.4/35
Left In: 24.625+/-108.884 χ²/NDF:32.9/22
Left: -132.449+/-76.097 χ²/NDF: 87.4/47
Right: -223.806+/-244.109 χ²/NDF: 88.6/66
In: -102.125+/-103.718 χ²/NDF:81.7/53
Out: -177.542+/-101.791 χ²/NDF:94.3/60
All: -140.540+/-72.649 χ²/NDF: 176.2/114

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: 1518.255+/-0.247 χ^2/NDF: 3499158.6/35

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

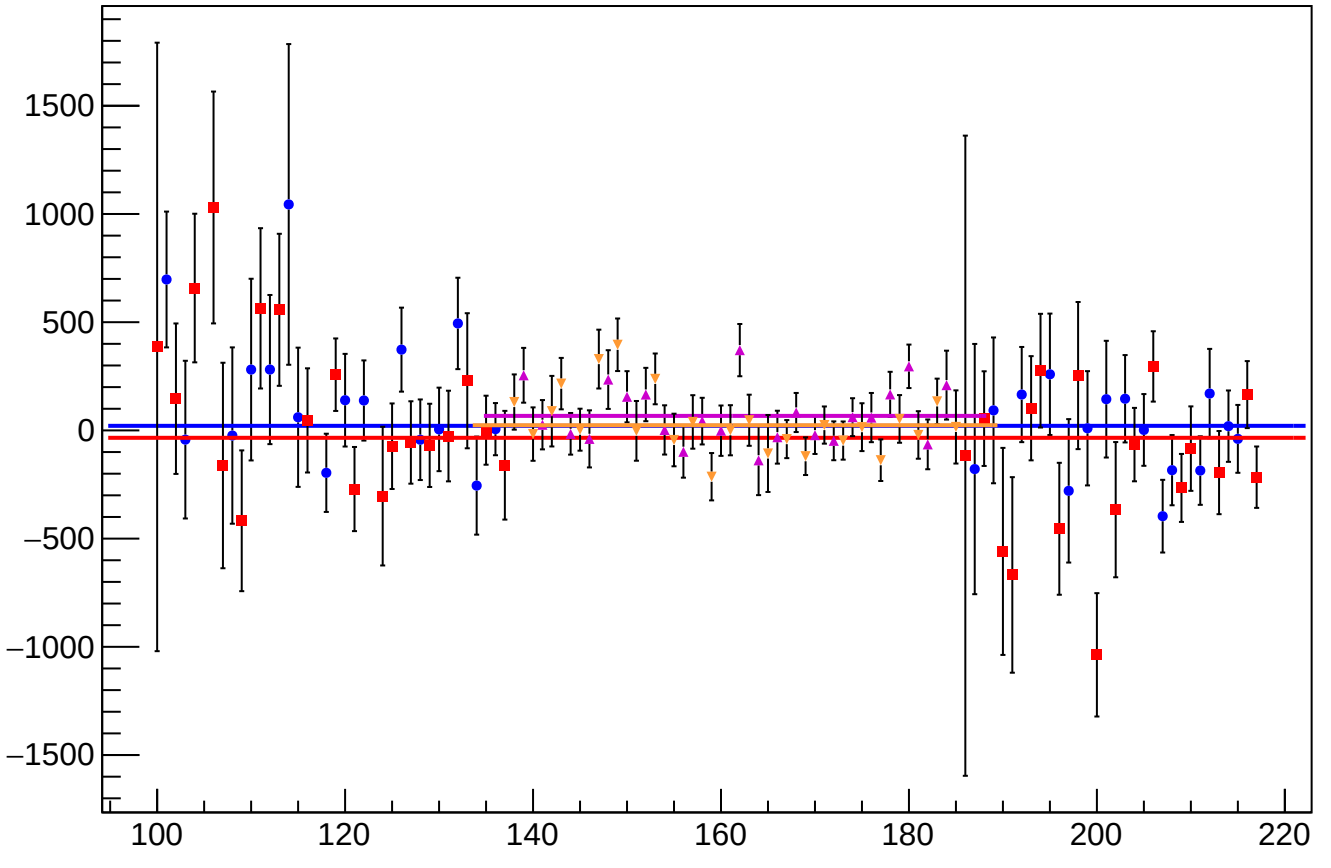
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1470.042+/-0.173 χ^2/NDF: 6906925.9/66

In: 536.168+/-0.073 χ^2/NDF:21019692.2/53

Out: 538.037+/-0.072 χ^2/NDF:23848526.5/60

All: 537.120+/-0.051 χ^2/NDF: 44868549.6/11



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: -34.224+/-38.636 χ^2/NDF: 53.3/35

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

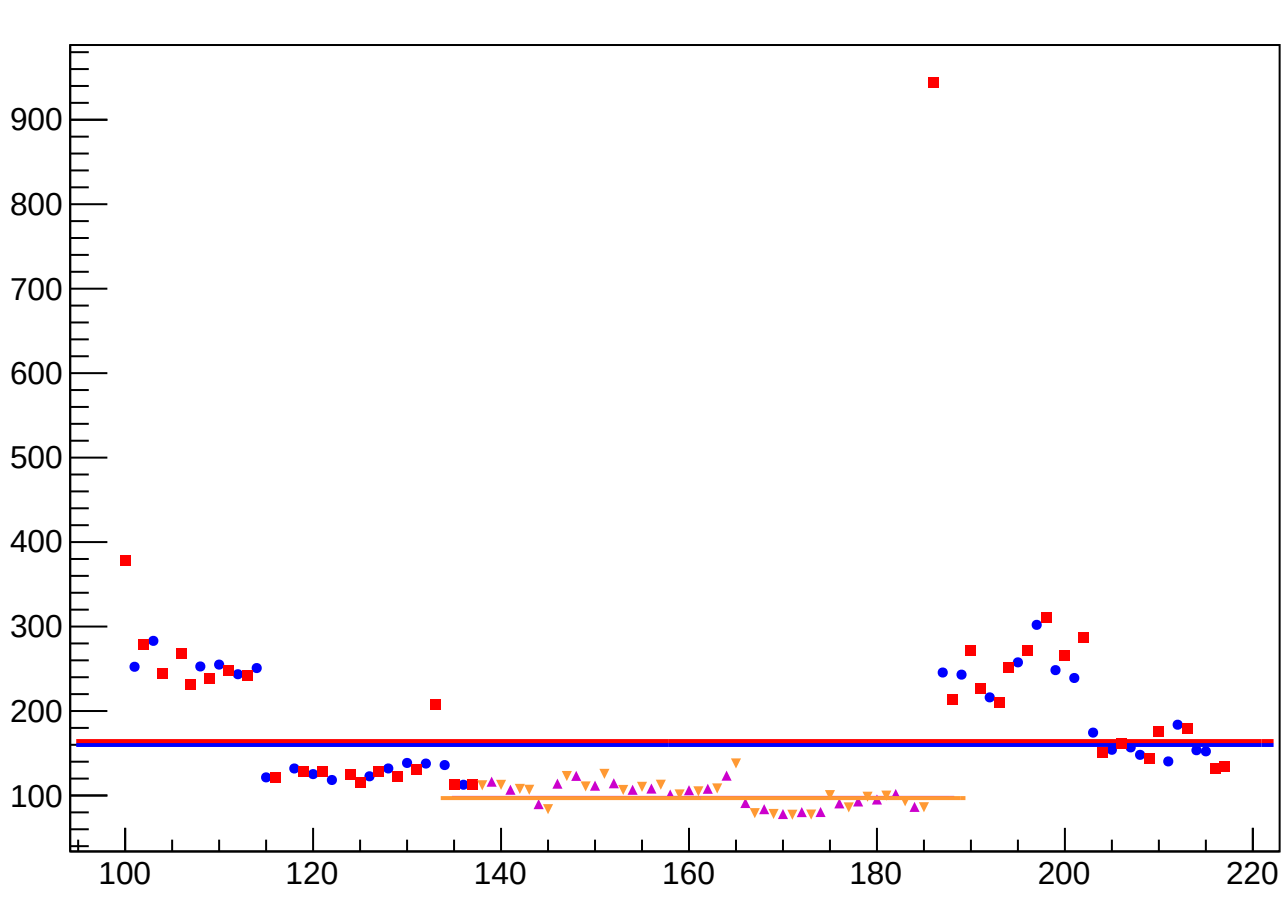
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -6.314+/-27.202 χ^2/NDF: 86.9/66

In: 54.811+/-19.795 χ^2/NDF:62.2/53

Out: 9.243+/-19.388 χ^2/NDF:90.2/60

All: 31.554+/-13.851 χ^2/NDF: 155.1/114



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: 164.412+/-0.027 χ^2/NDF: 4217507.7/35

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

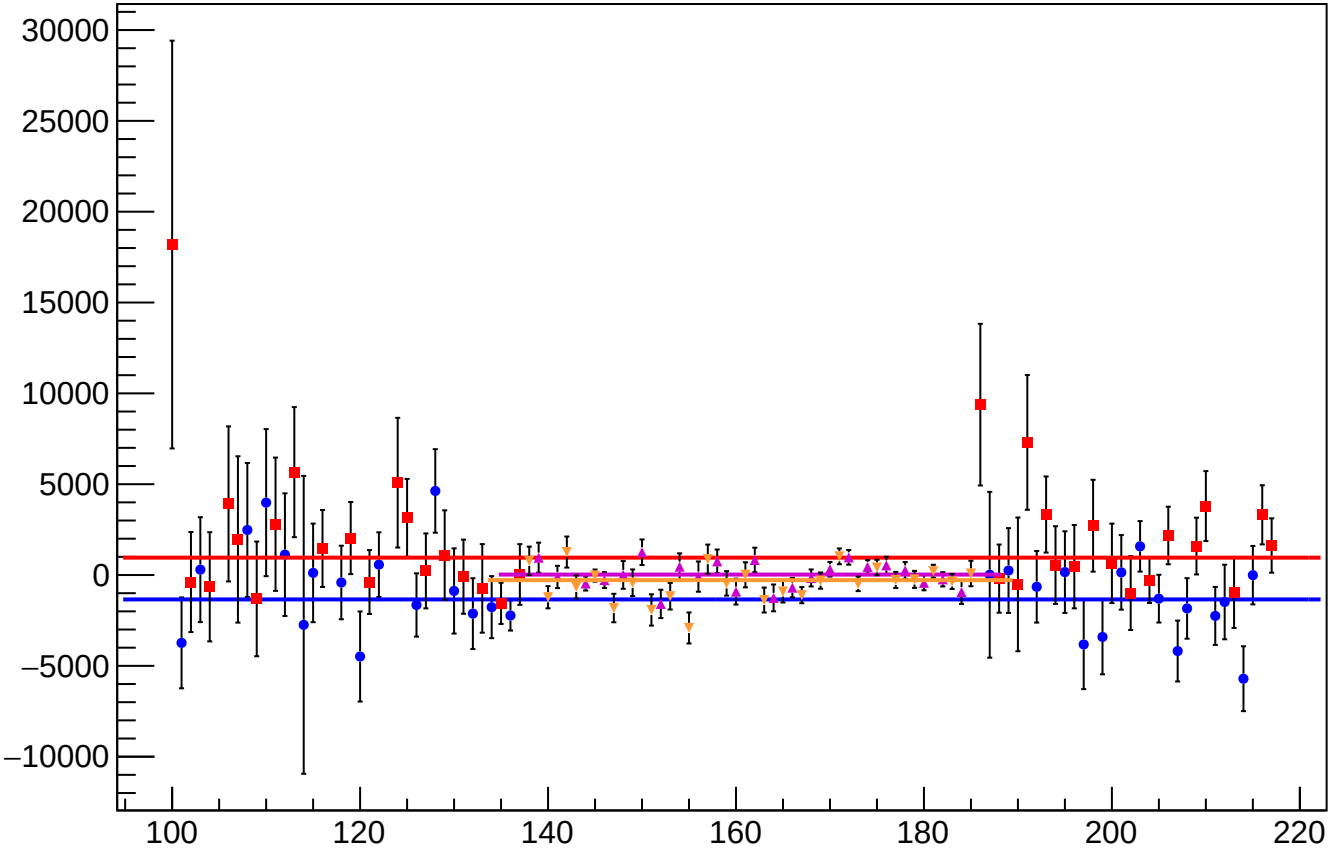
Right: 162.097+/-0.019 χ^2/NDF: 7105128.3/66

In: 113.899+/-0.014 χ^2/NDF:7469940.3/53

Out: 113.906+/-0.014 χ^2/NDF:9719453.9/60

All: 113.903+/-0.010 χ^2/NDF: 17189394.3/11

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 956.539+/-349.858 χ^2/NDF: 32.4/35

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

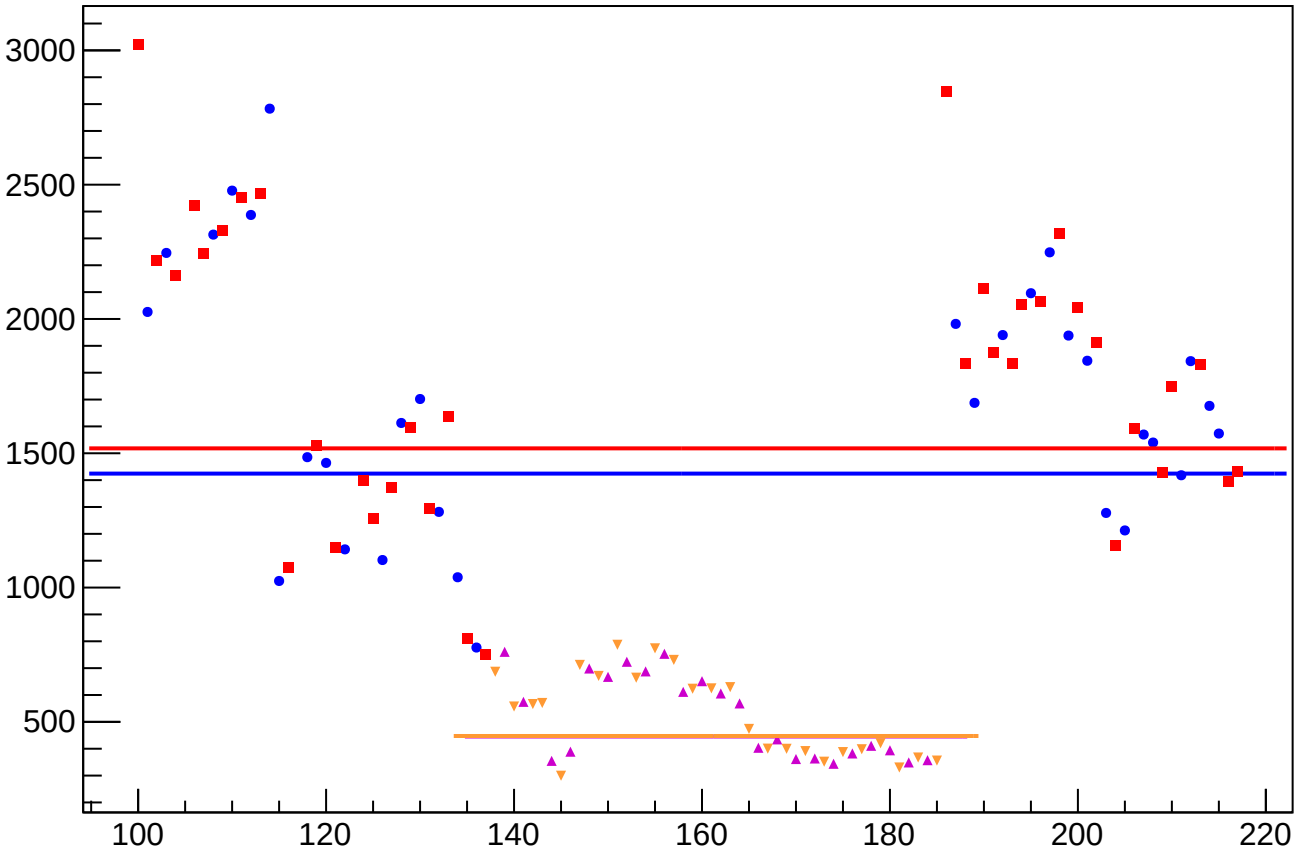
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -223.805+/-244.109 χ^2/NDF: 88.6/66

In: -102.124+/-103.718 χ^2/NDF:81.7/53

Out: -177.541+/-101.791 χ^2/NDF:94.3/60

All: -140.540+/-72.649 χ^2/NDF: 176.2/114



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: 1518.255+/-0.247 χ^2/NDF: 3499140.4/35

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

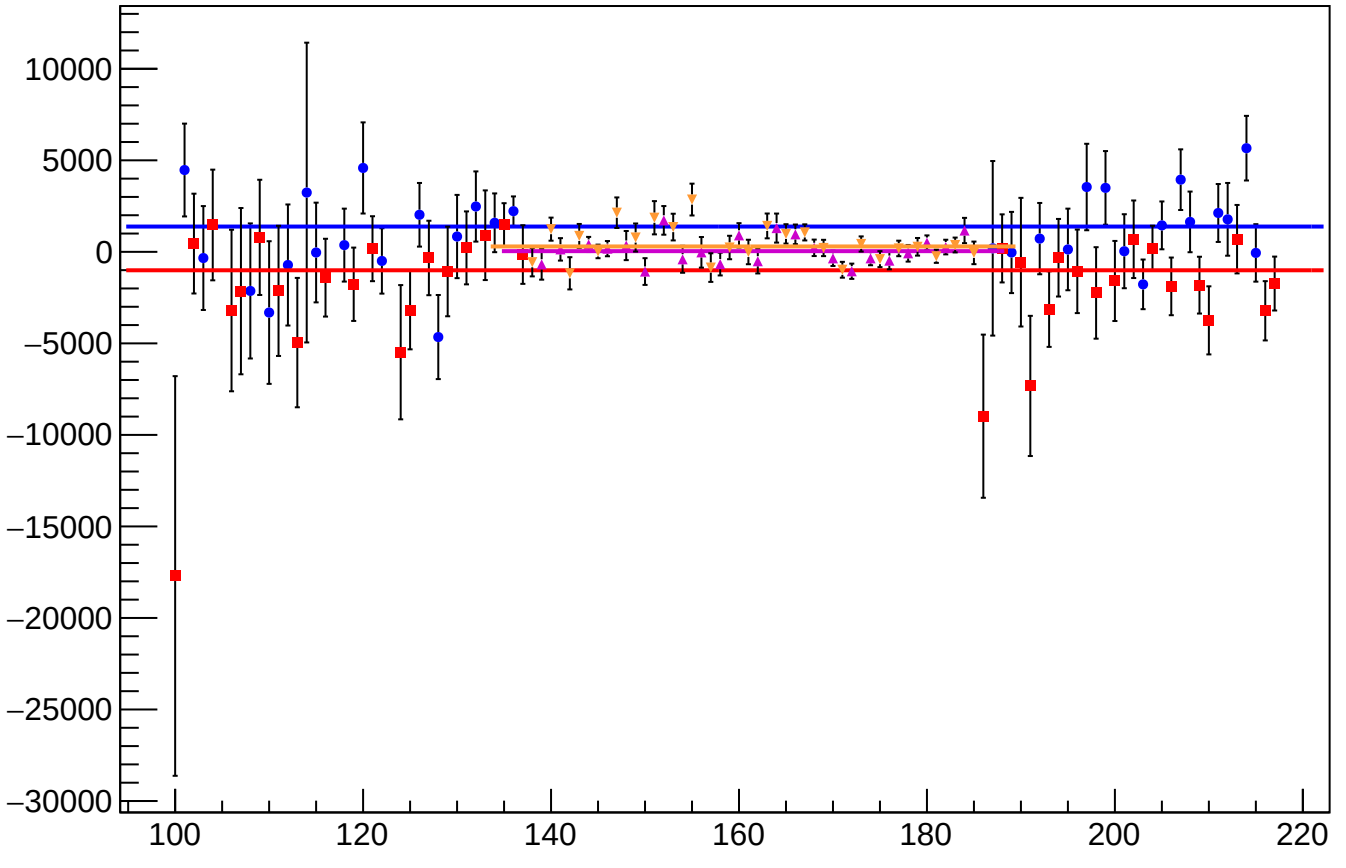
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1470.043+/-0.173 χ^2/NDF: 6906888.3/66

In: 536.167+/-0.073 χ^2/NDF:21019704.6/53

Out: 538.036+/-0.072 χ^2/NDF:23848559.3/60

All: 537.119+/-0.051 χ^2/NDF: 44868594.8/11



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: -1007.020+/-348.042 χ^2/NDF: 29.4/35

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

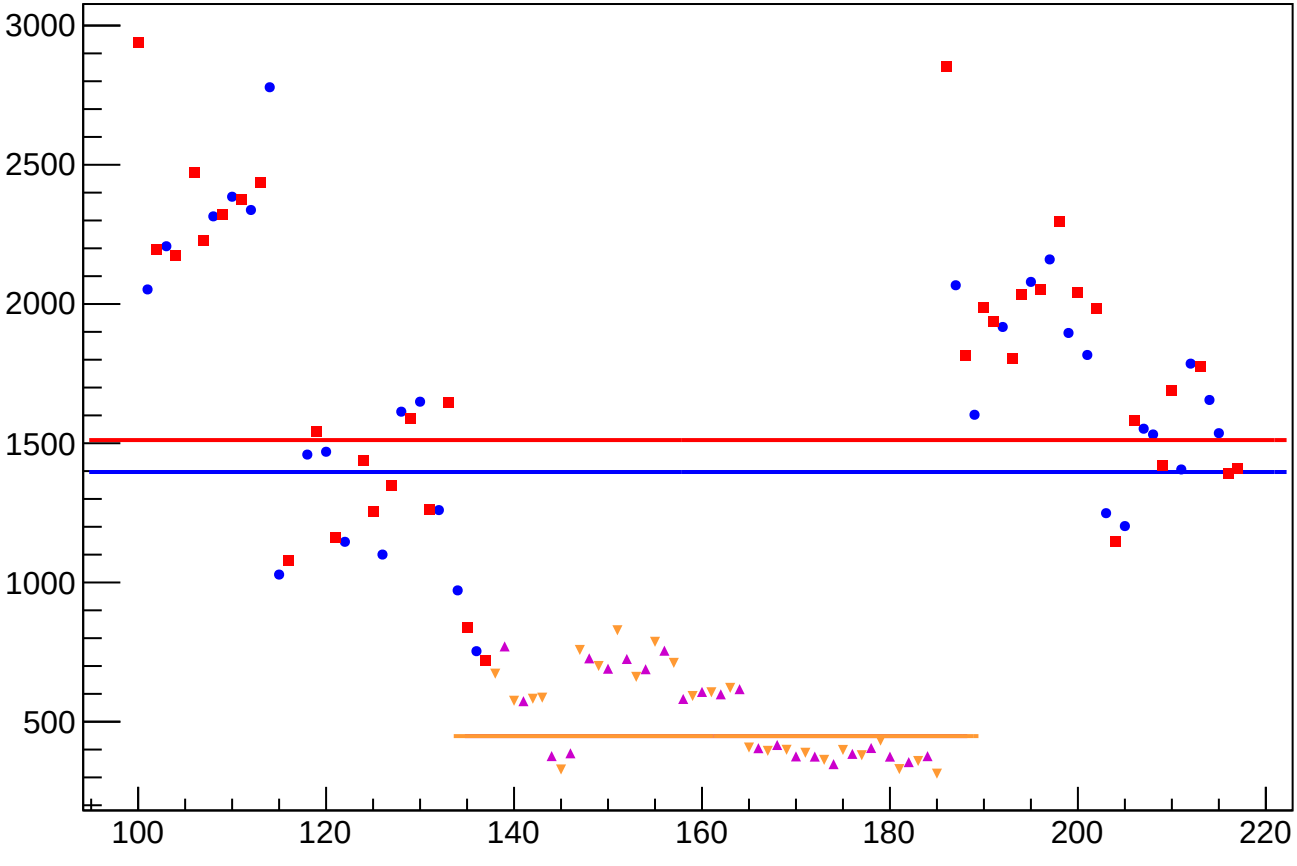
Right: 234.034+/-241.252 χ^2/NDF: 88.5/66

In: 167.621+/-103.914 χ^2/NDF:82.1/53

Out: 182.936+/-102.110 χ^2/NDF:92.7/60

All: 175.413+/-72.832 χ^2/NDF: 174.8/114

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: 1511.384+/-0.246 χ^2/NDF: 3426771.7/35

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

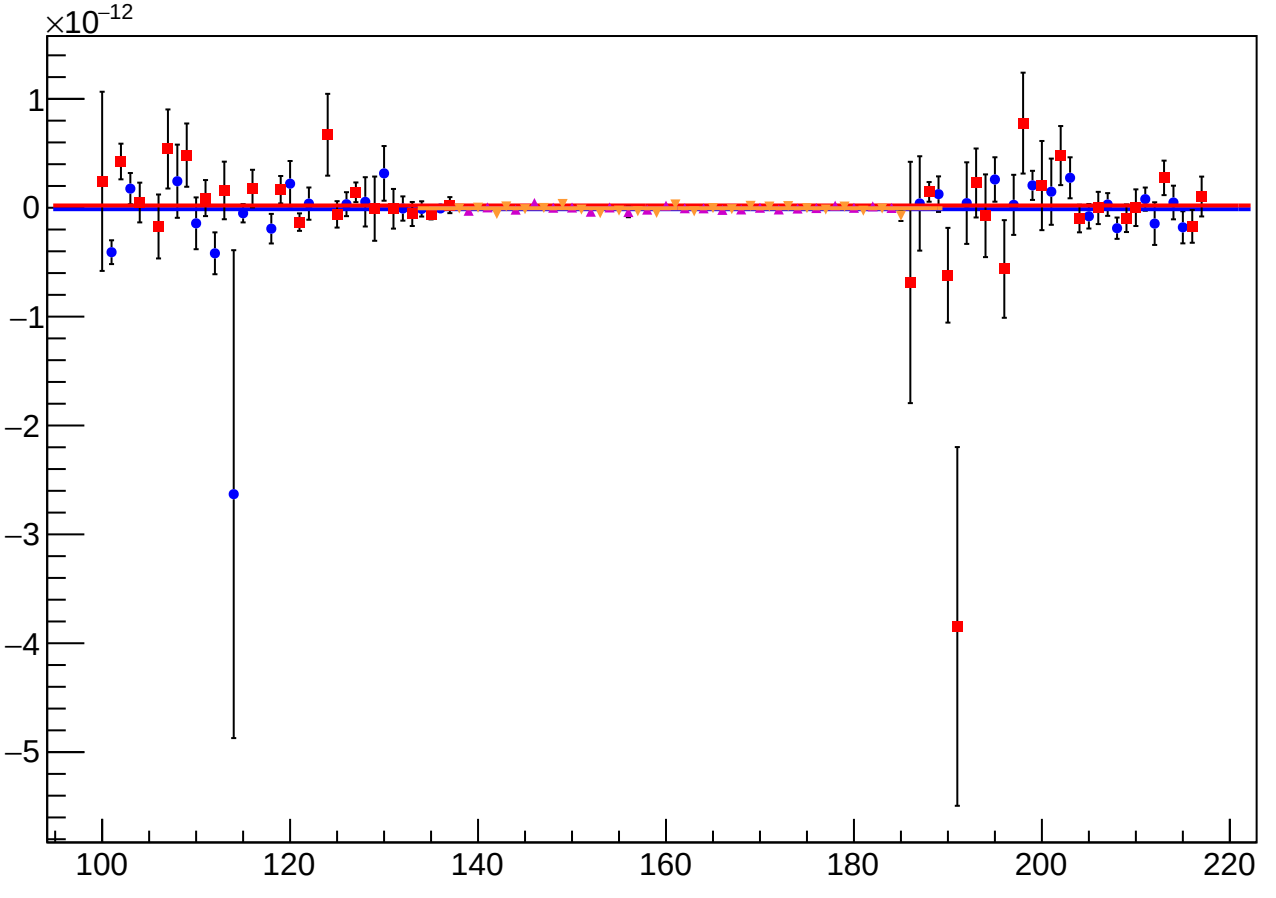
Right: 1451.816+/-0.171 χ^2/NDF: 6957315.7/66

In: 539.800+/-0.073 χ^2/NDF:20545865.9/53

Out: 539.784+/-0.072 χ^2/NDF:23637866.9/60

All: 539.792+/-0.051 χ^2/NDF: 44183732.8/11

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 49.7/35

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

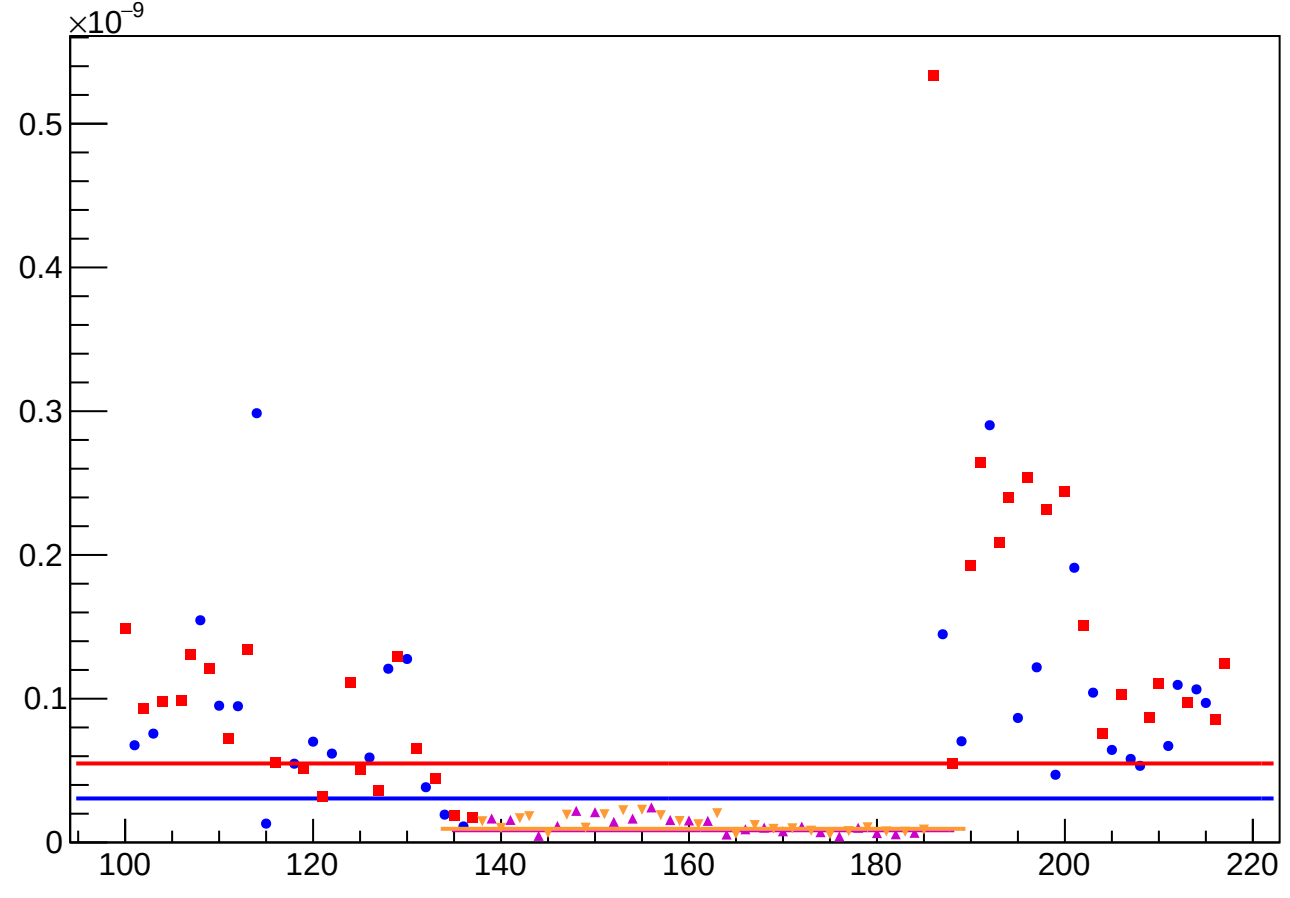
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 92.2/66

In: -0.000+/-0.000 χ^2/NDF:58.1/53

Out: -0.000+/-0.000 χ^2/NDF:74.0/60

All: -0.000+/-0.000 χ^2/NDF: 132.1/114



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: 6780437.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

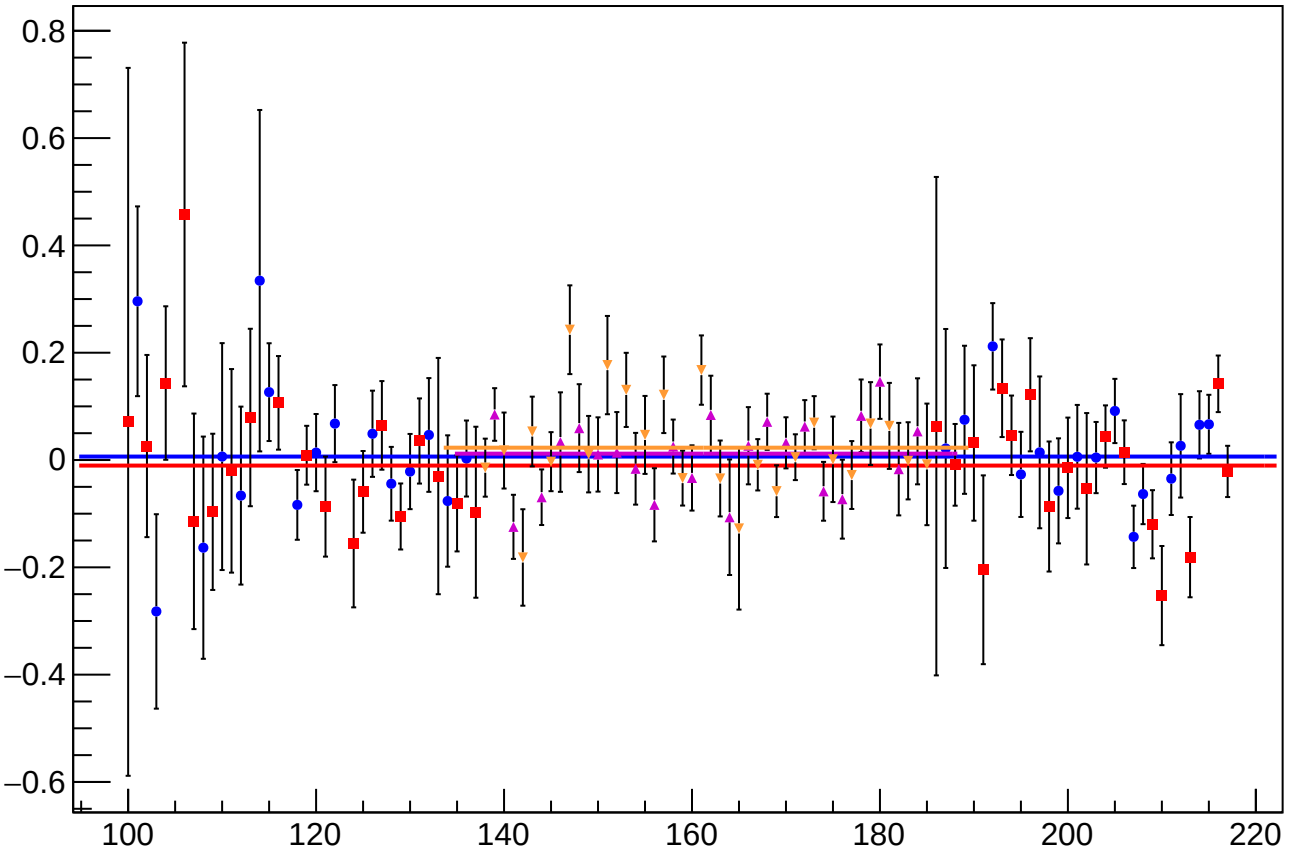
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16555904.5/66

In: 0.000+/-0.000 χ^2/NDF:14598088.3/53

Out: 0.000+/-0.000 χ^2/NDF:16476490.4/60

All: 0.000+/-0.000 χ^2/NDF: 31158686.0/114



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: -0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

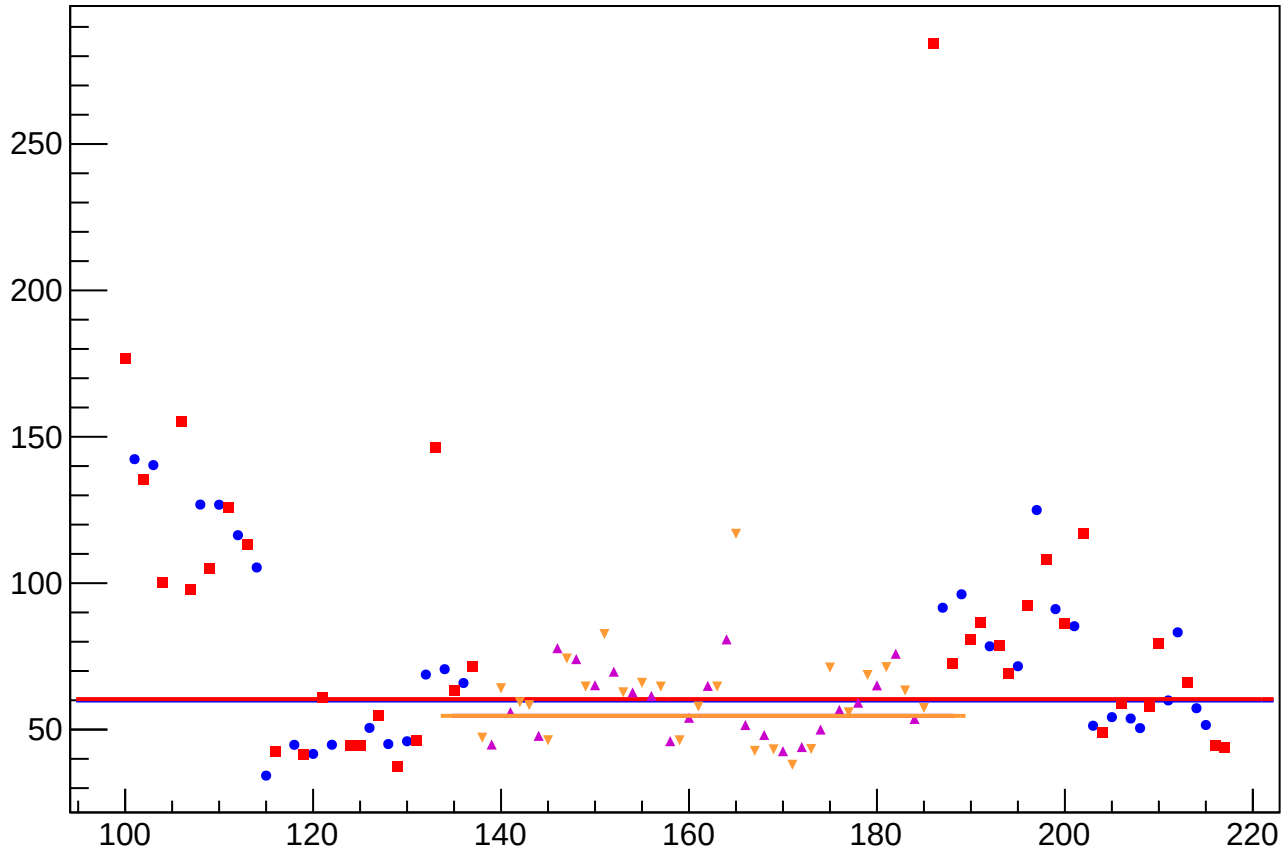
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.002+/-0.010 χ^2/NDF: 78.0/66

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.008+/-0.010 χ^2/NDF:81.3/60

All: 0.009+/-0.007 χ^2/NDF: 140.4/114



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: 60.404+/-0.010 χ^2/NDF: 4873802.0/35

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

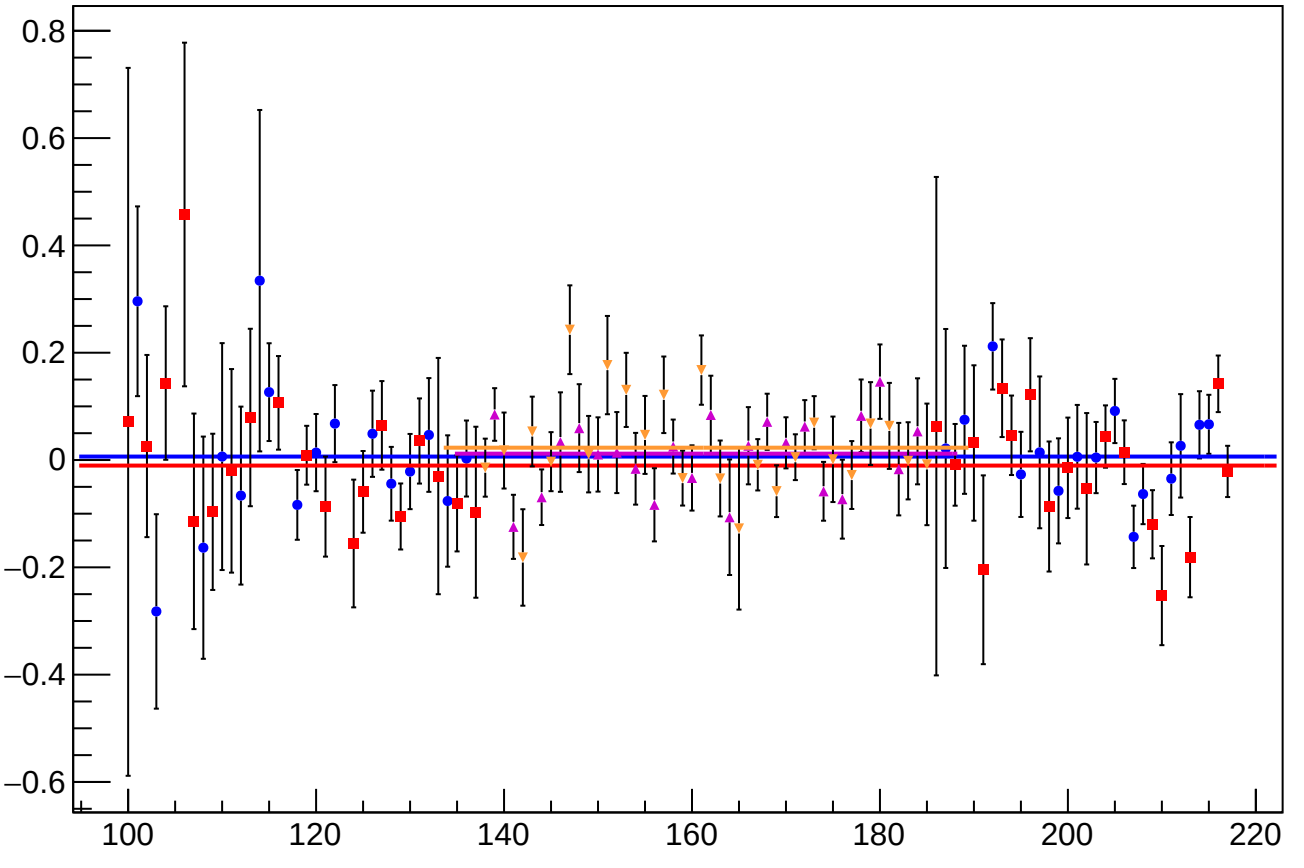
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 60.166+/-0.007 χ^2/NDF: 8500973.6/66

In: 57.000+/-0.007 χ^2/NDF:4954541.1/53

Out: 57.176+/-0.007 χ^2/NDF:6980693.7/60

All: 57.090+/-0.005 χ^2/NDF: 11935556.4/114



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: -0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

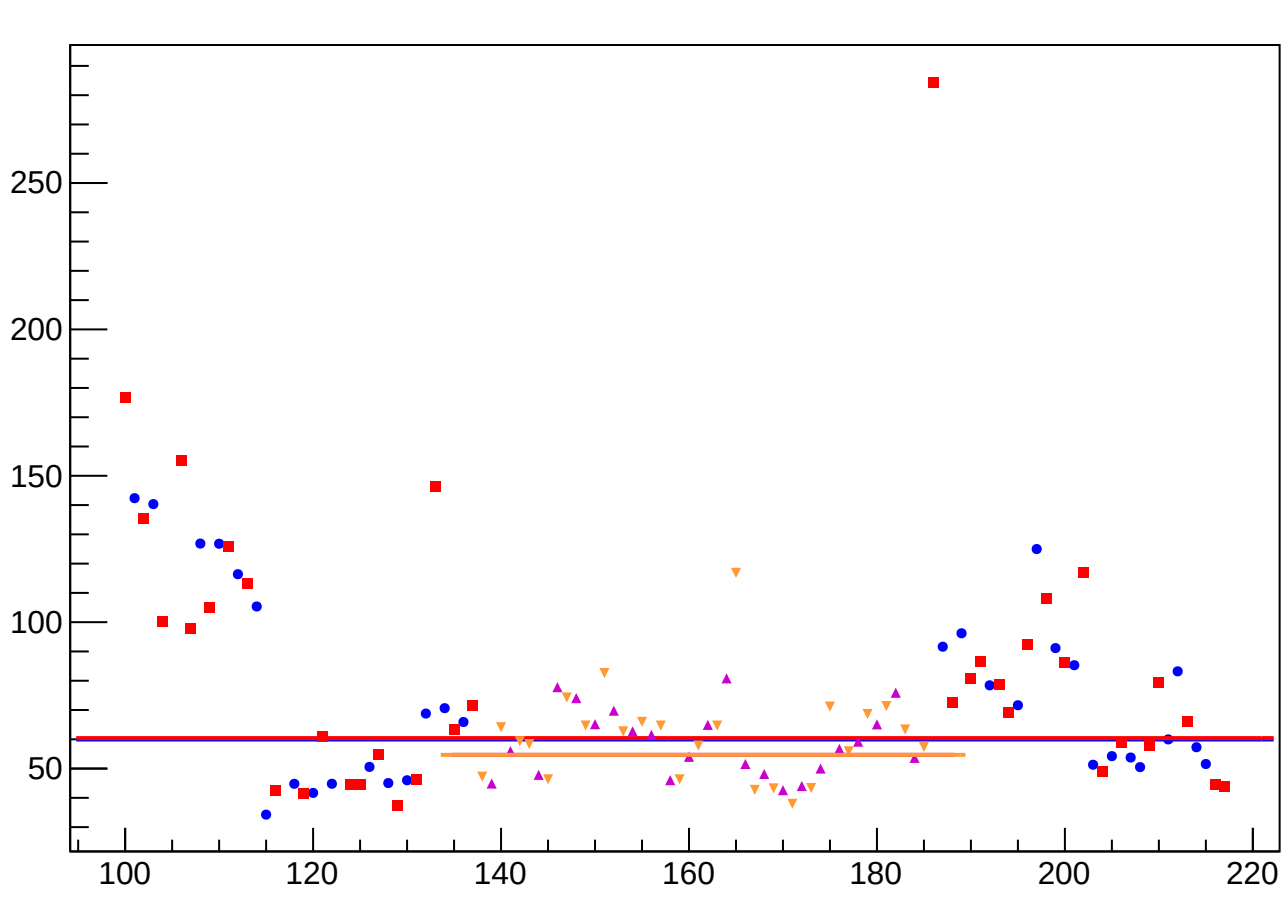
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.002+/-0.010 χ^2/NDF: 78.0/66

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.008+/-0.010 χ^2/NDF:81.3/60

All: 0.009+/-0.007 χ^2/NDF: 140.4/114



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: 60.404+/-0.010 χ^2/NDF: 4873802.0/35

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

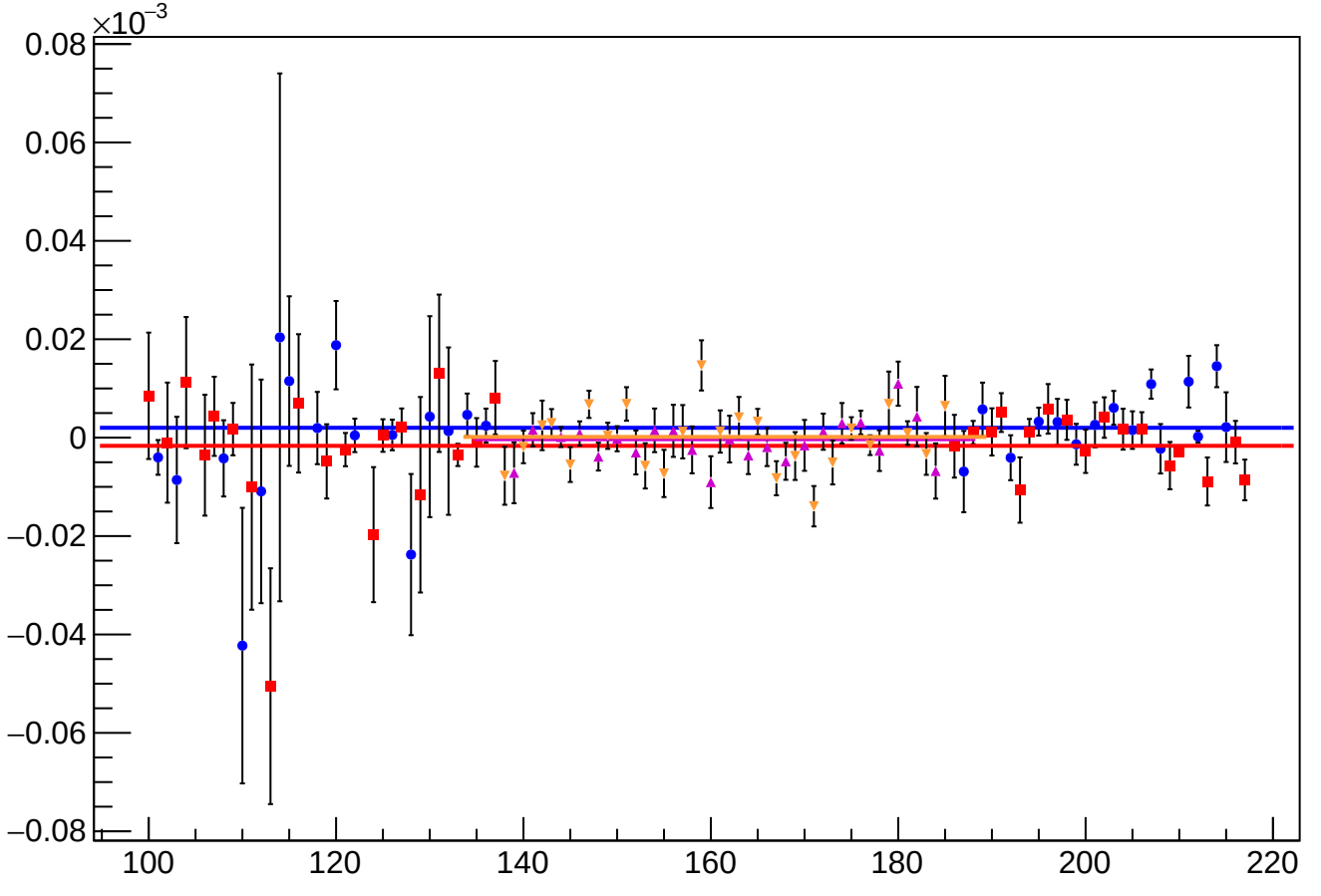
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 60.166+/-0.007 χ^2/NDF: 8500973.6/66

In: 57.000+/-0.007 χ^2/NDF:4954541.1/53

Out: 57.176+/-0.007 χ^2/NDF:6980693.7/60

All: 57.090+/-0.005 χ^2/NDF: 11935556.4/114



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: 37.3/35

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

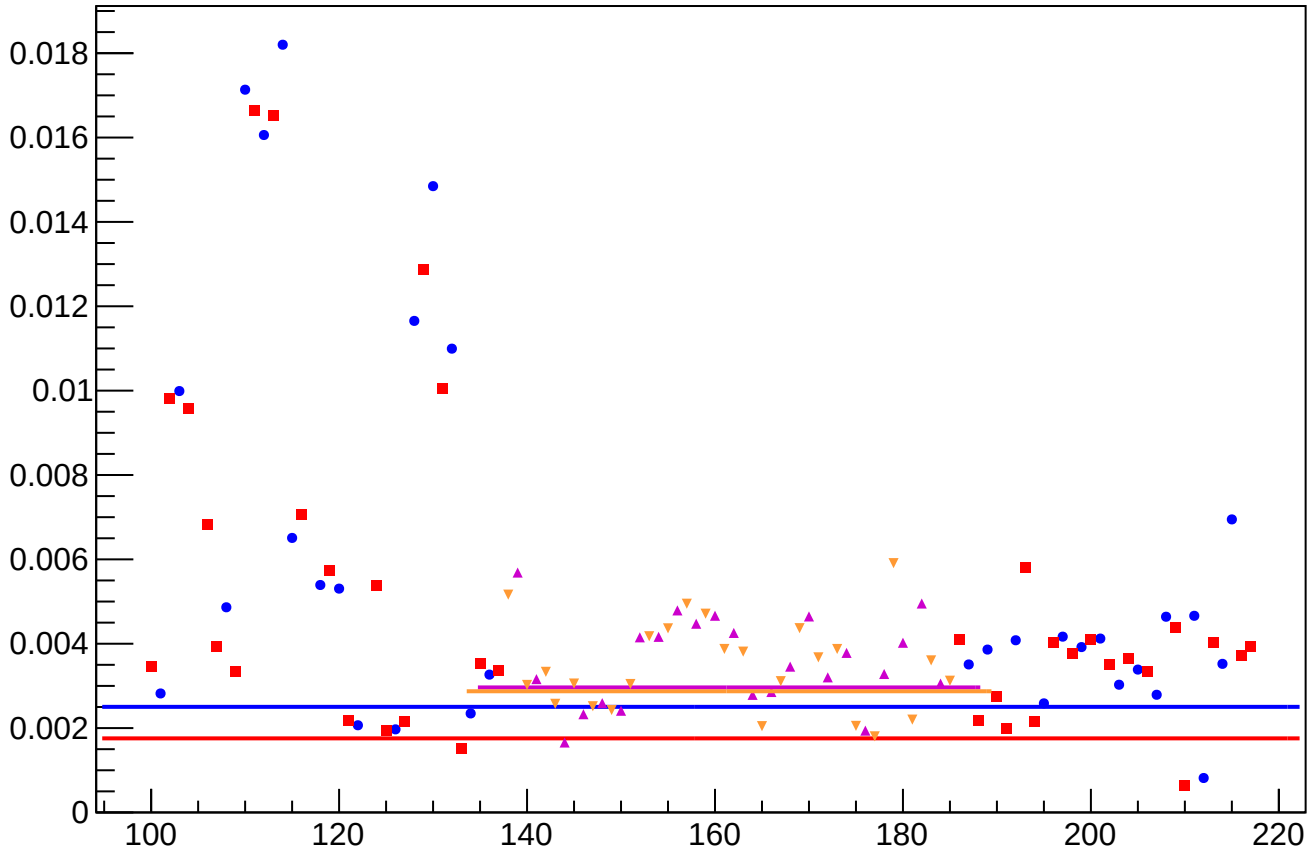
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: -0.000+/-0.000 χ^2/NDF: 97.7/66

In: 0.000+/-0.000 χ^2/NDF:69.3/53

Out: -0.000+/-0.000 χ^2/NDF:95.3/60

All: -0.000+/-0.000 χ^2/NDF: 172.5/114



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: 16759537.1/35

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

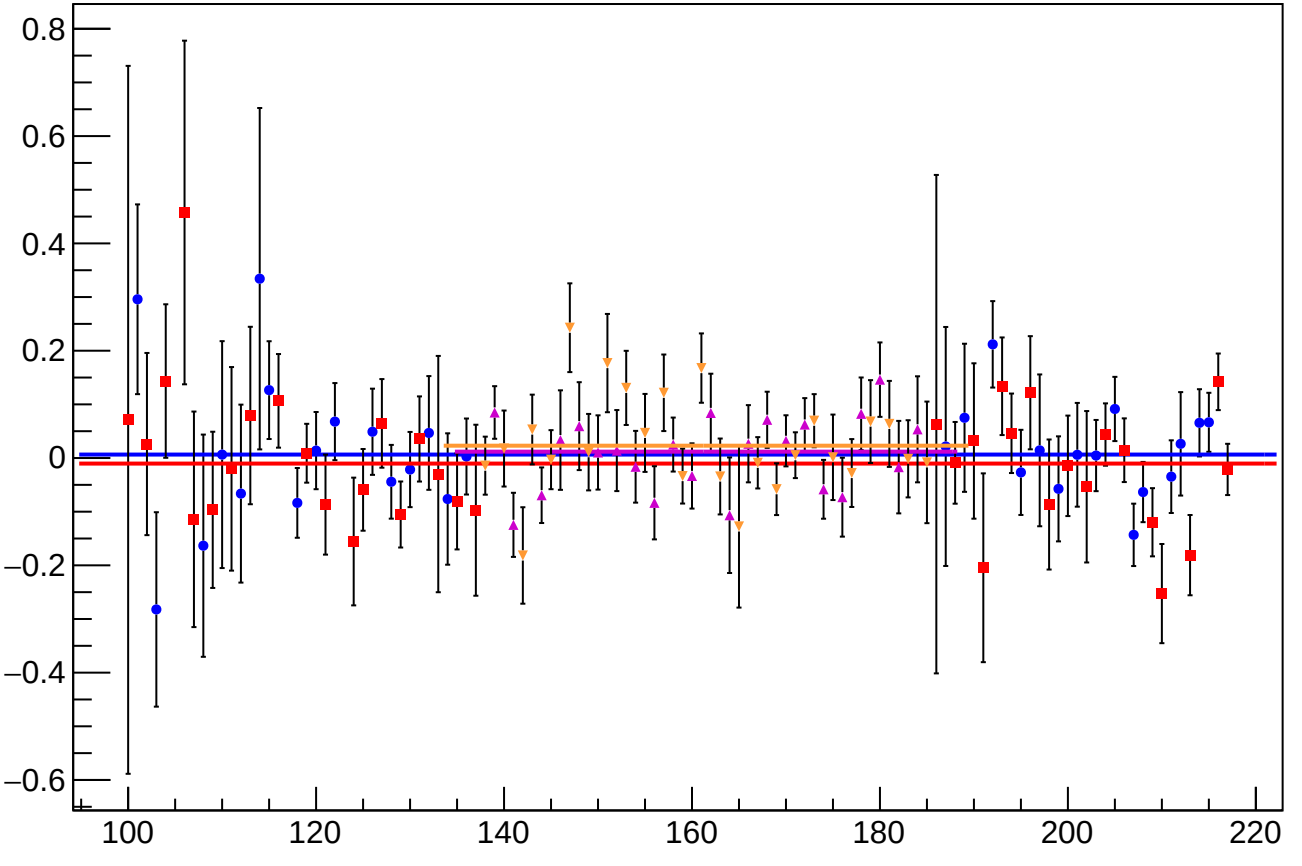
Right: 0.002+/-0.000 χ^2/NDF: 29877266.8/66

In: 0.003+/-0.000 χ^2/NDF:15737292.3/53

Out: 0.002+/-0.000 χ^2/NDF:23620648.6/60

All: 0.002+/-0.000 χ^2/NDF: 40701907.4/114

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: -0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

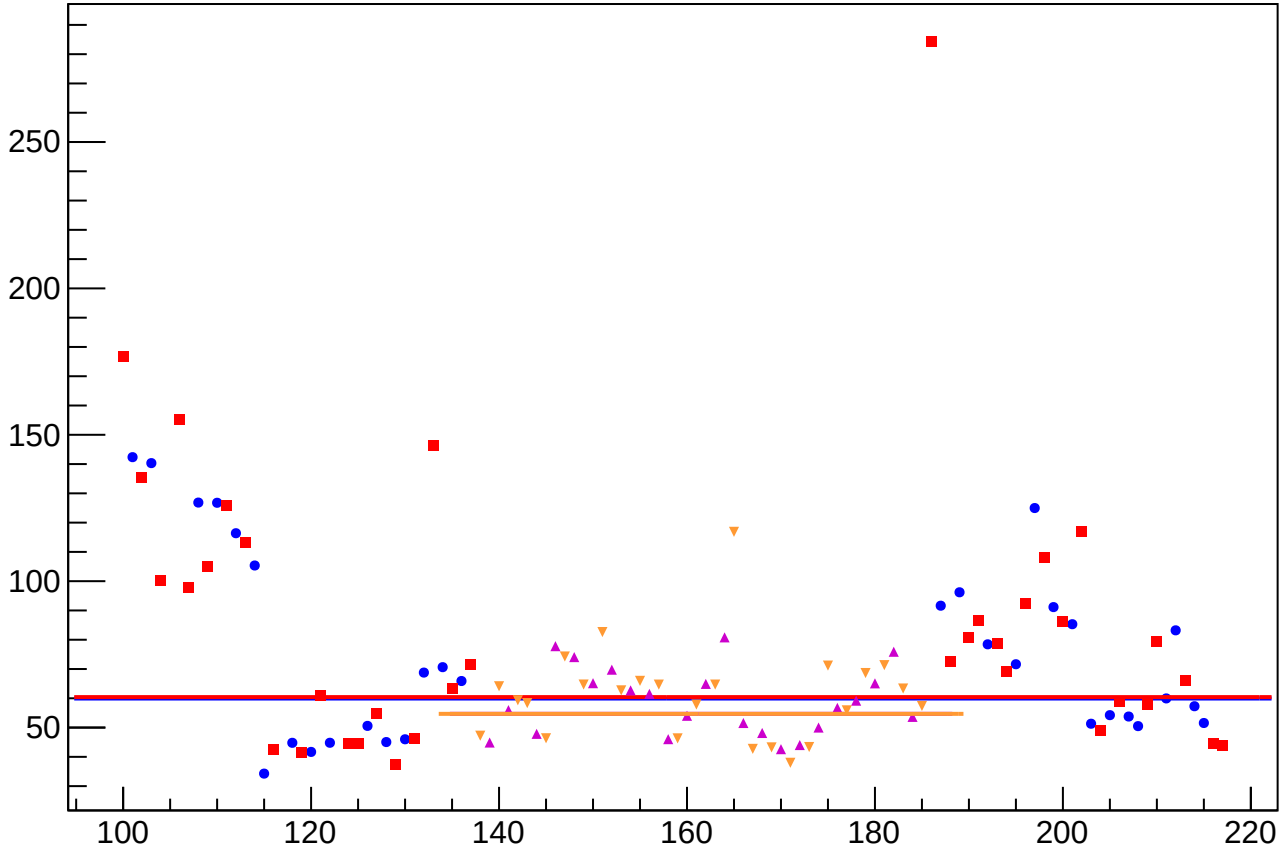
Right: -0.002+/-0.010 χ^2/NDF: 78.0/66

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.008+/-0.010 χ^2/NDF:81.3/60

All: 0.009+/-0.007 χ^2/NDF: 140.4/114

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: 60.404+/-0.010 χ^2/NDF: 4873831.0/35

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

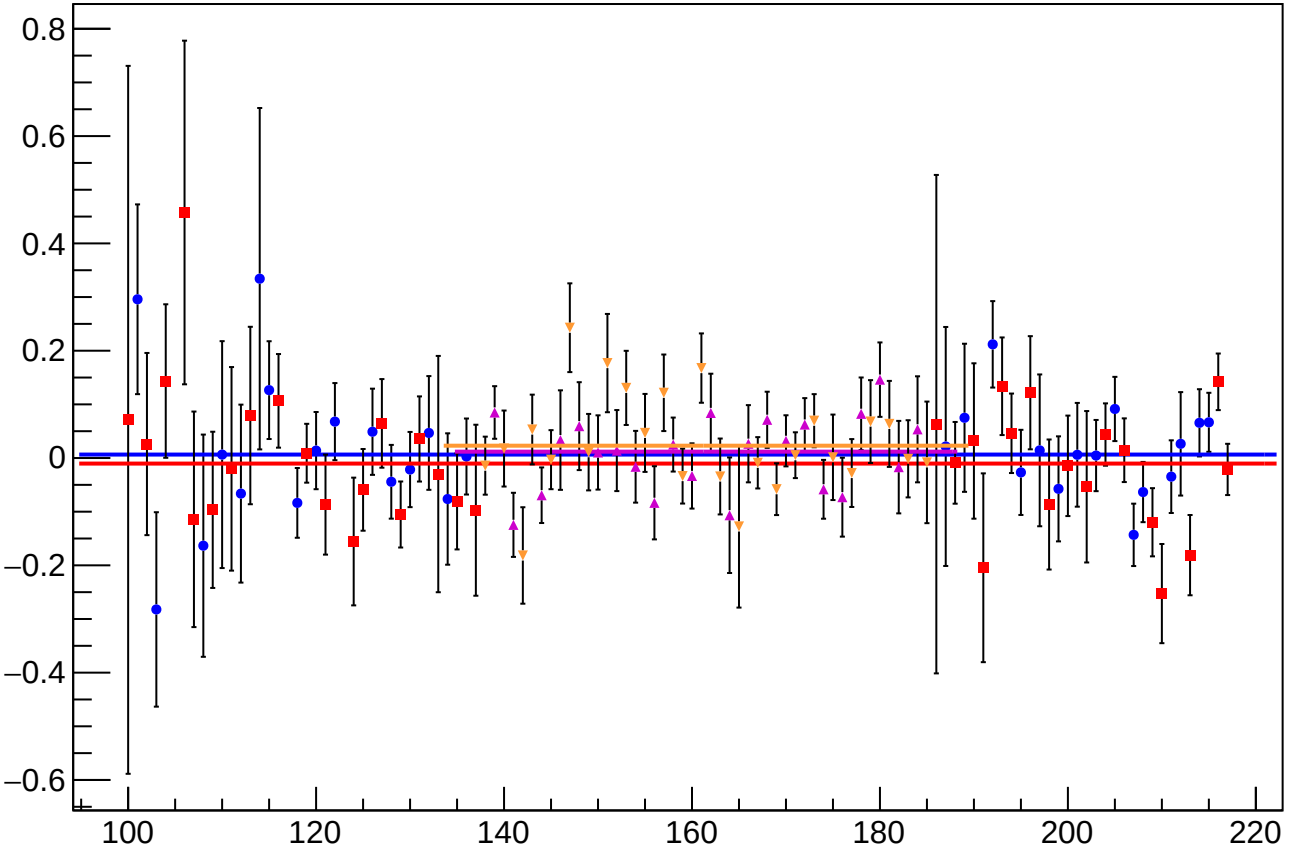
Right: 60.166+/-0.007 χ^2/NDF: 8500966.1/66

In: 57.000+/-0.007 χ^2/NDF:4954438.5/53

Out: 57.176+/-0.007 χ^2/NDF:6980670.3/60

All: 57.090+/-0.005 χ^2/NDF: 11935429.8/114

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: -0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

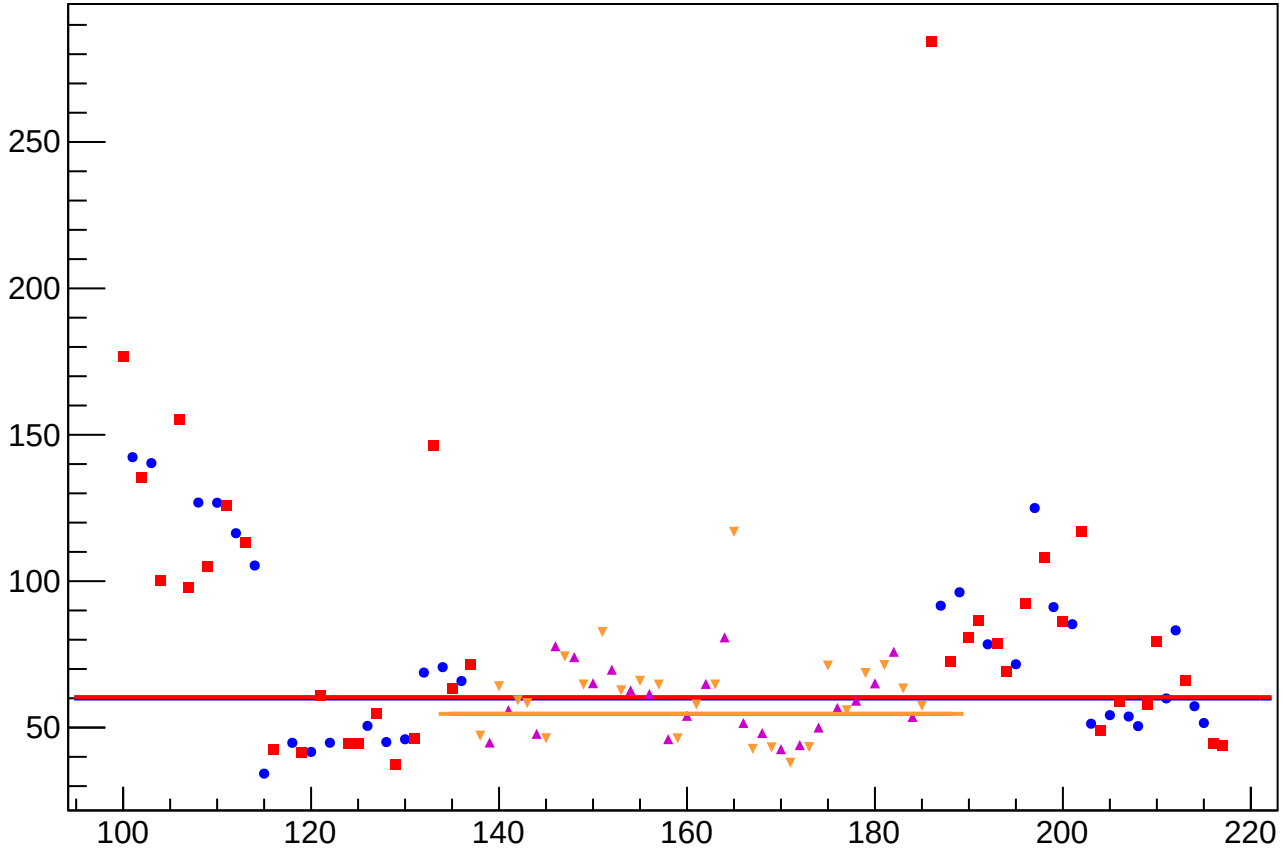
Right: -0.002+/-0.010 χ^2/NDF: 78.0/66

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.008+/-0.010 χ^2/NDF:81.3/60

All: 0.009+/-0.007 χ^2/NDF: 140.4/114

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: 60.404+/-0.010 χ^2/NDF: 4873831.0/35

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

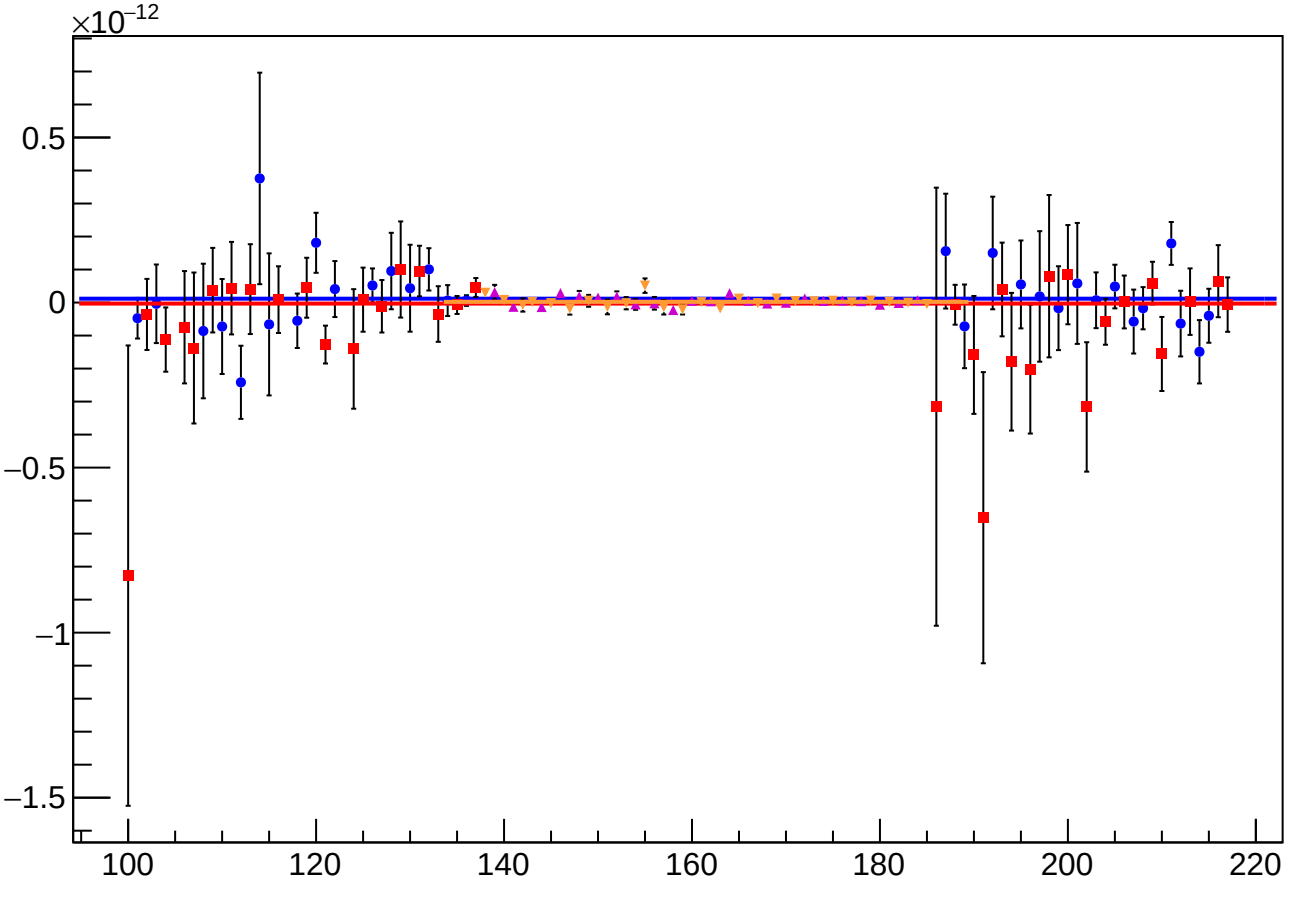
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 60.166+/-0.007 χ^2/NDF: 8500966.1/66

In: 57.000+/-0.007 χ^2/NDF:4954438.5/53

Out: 57.176+/-0.007 χ^2/NDF:6980670.3/60

All: 57.090+/-0.005 χ^2/NDF: 11935429.8/114



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: 26.2/35

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

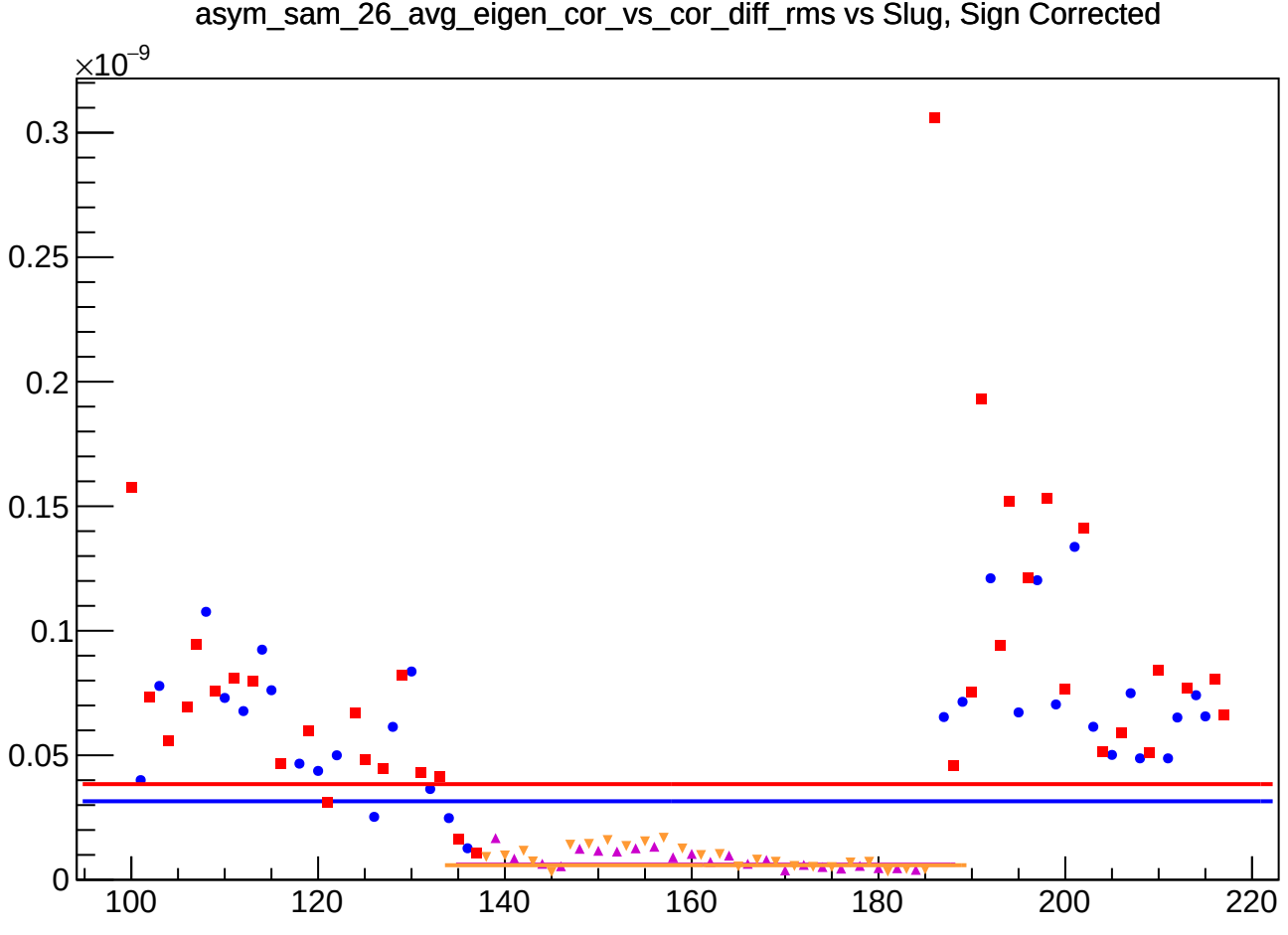
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 56.0/66

In: 0.000+/-0.000 χ^2/NDF:62.8/53

Out: 0.000+/-0.000 χ^2/NDF:47.0/60

All: 0.000+/-0.000 χ^2/NDF: 110.0/114



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: 9178335.6/35

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

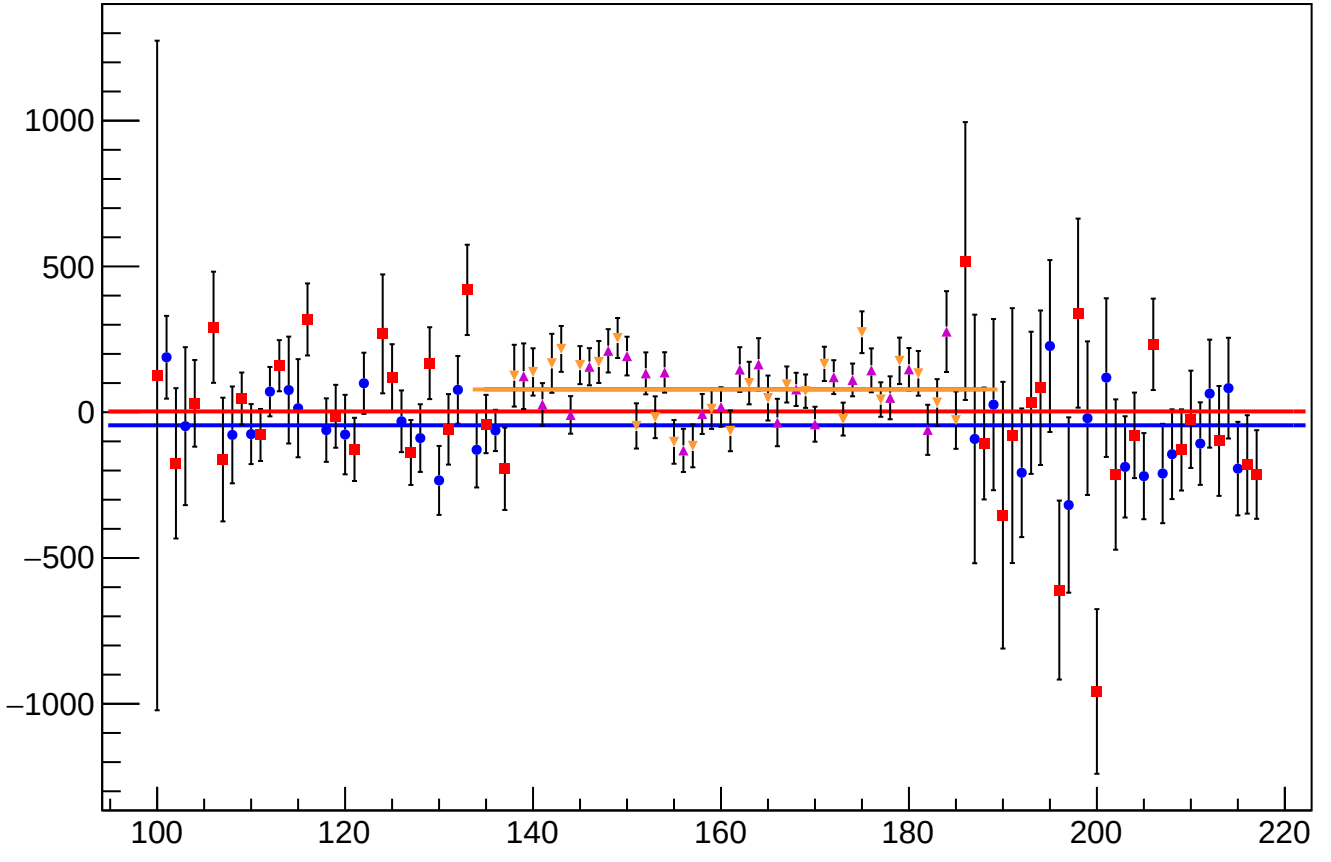
Right: 0.000+/-0.000 χ^2/NDF: 18336356.9/66

In: 0.000+/-0.000 χ^2/NDF:21676726.4/53

Out: 0.000+/-0.000 χ^2/NDF:26516199.0/60

All: 0.000+/-0.000 χ^2/NDF: 48225061.1/114

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: 2.702+/-24.717 χ^2/NDF: 57.9/35

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

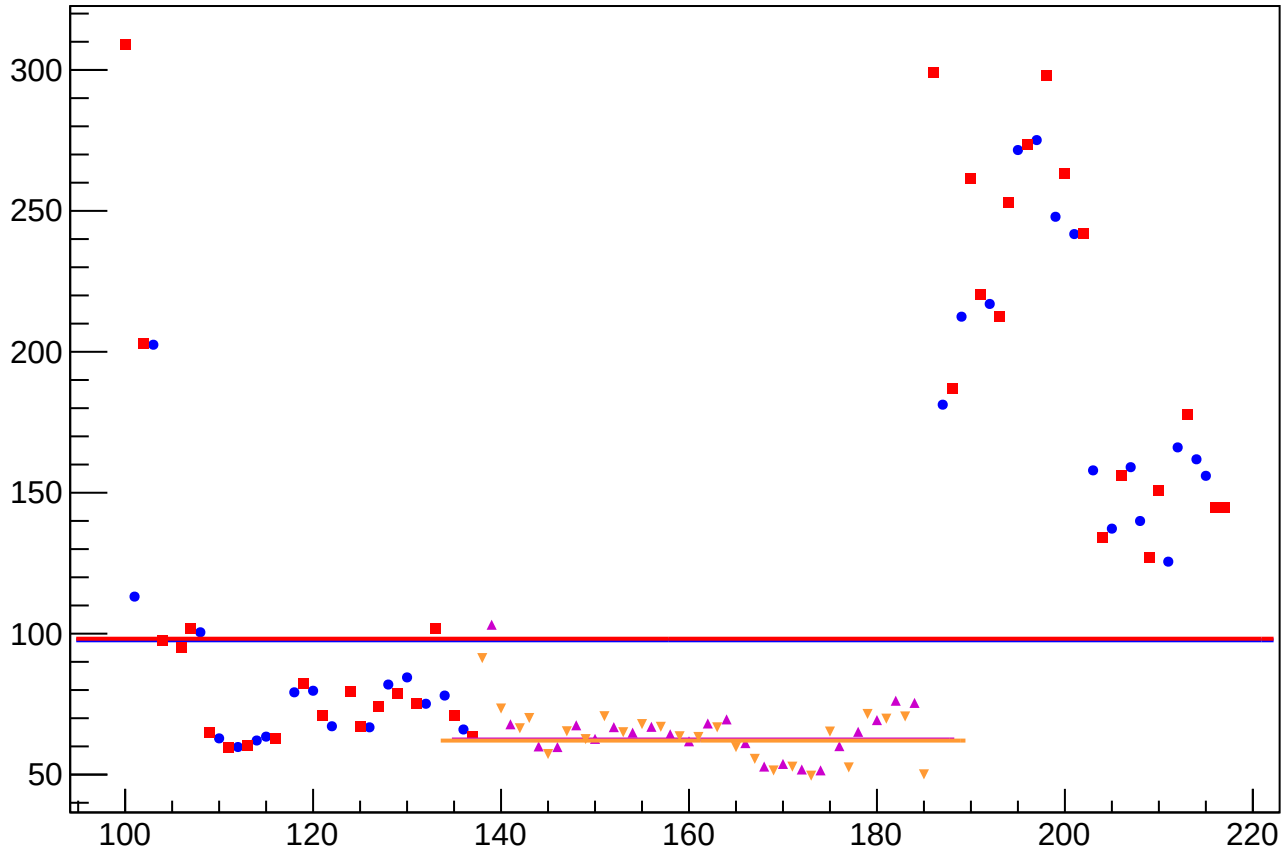
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -20.736+/-17.600 χ^2/NDF: 79.2/66

In: 46.587+/-12.752 χ^2/NDF:74.1/53

Out: 59.186+/-12.394 χ^2/NDF:118.7/60

All: 53.065+/-8.888 χ^2/NDF: 193.4/114



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: 98.207+/-0.017 χ^2/NDF: 8809420.9/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

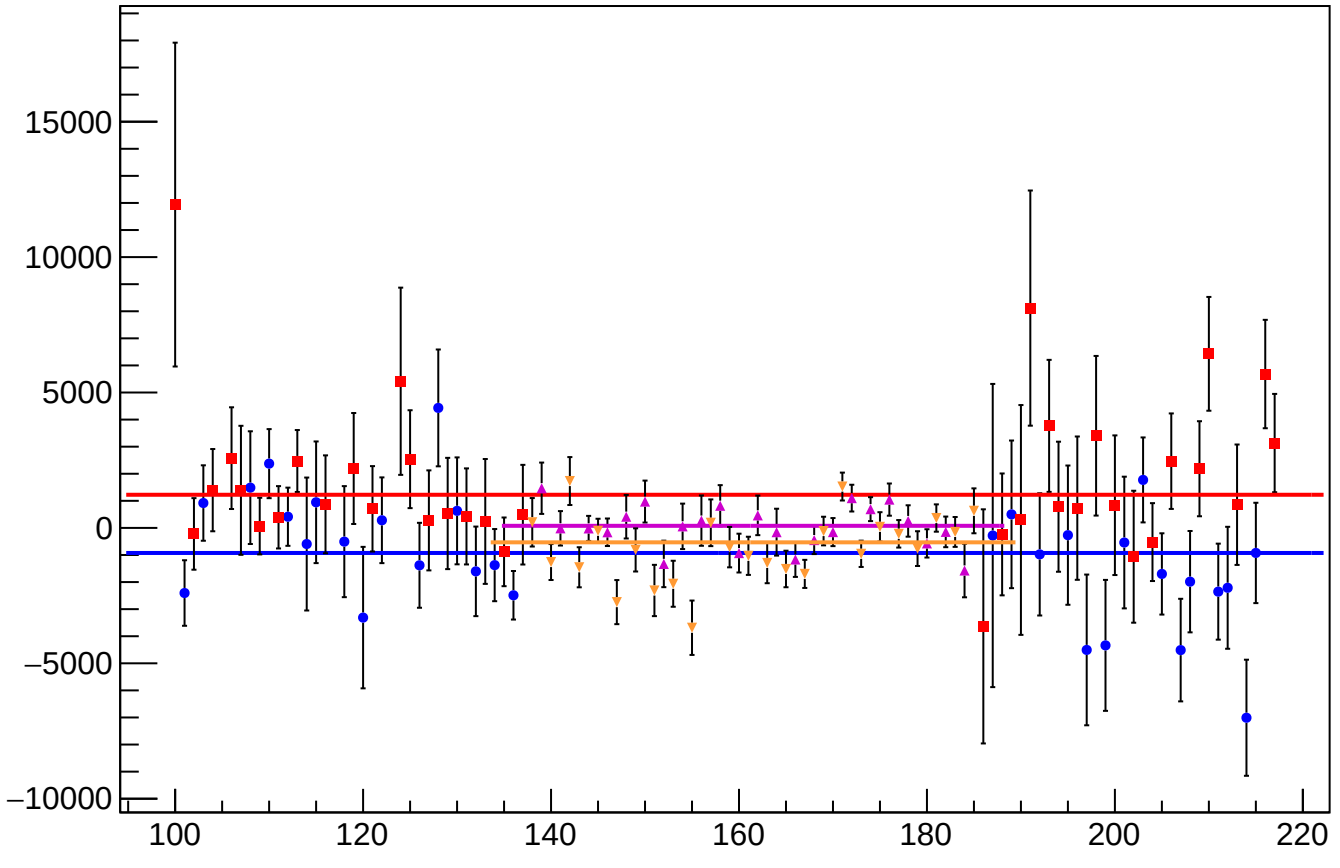
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 97.930+/-0.012 χ^2/NDF: 16194556.6/66

In: 71.554+/-0.009 χ^2/NDF:10972333.4/53

Out: 71.151+/-0.009 χ^2/NDF:12697301.2/60

All: 71.347+/-0.006 χ^2/NDF: 23670661.5/114



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: 1223.955+/-307.050 χ^2/NDF: 35.3/35

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

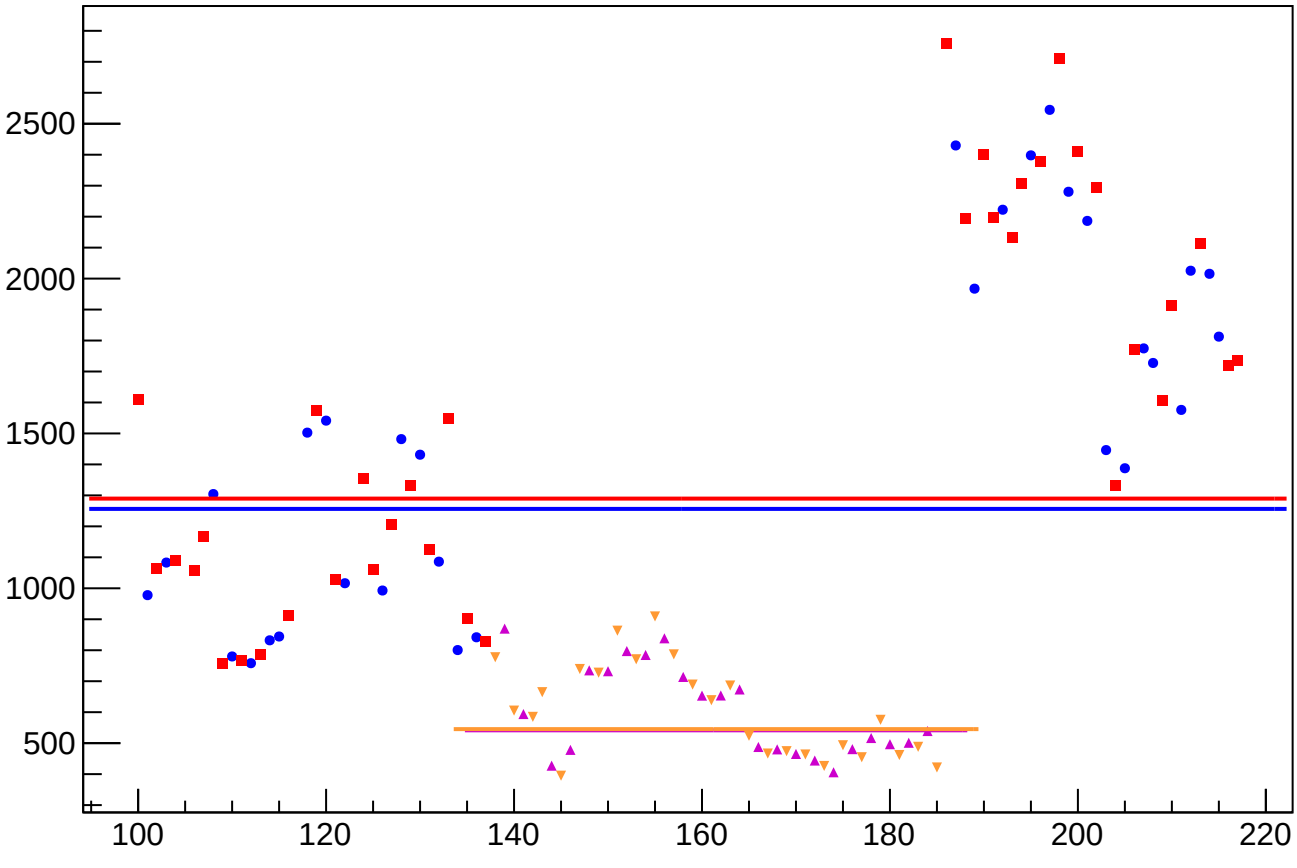
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 153.135+/-217.499 χ^2/NDF: 105.1/66

In: -74.735+/-120.024 χ^2/NDF:82.7/53

Out: -272.945+/-118.088 χ^2/NDF:132.3/60

All: -175.452+/-84.177 χ^2/NDF: 216.4/114



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: 1289.632+/-0.217 χ^2/NDF: 5799157.9/35

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

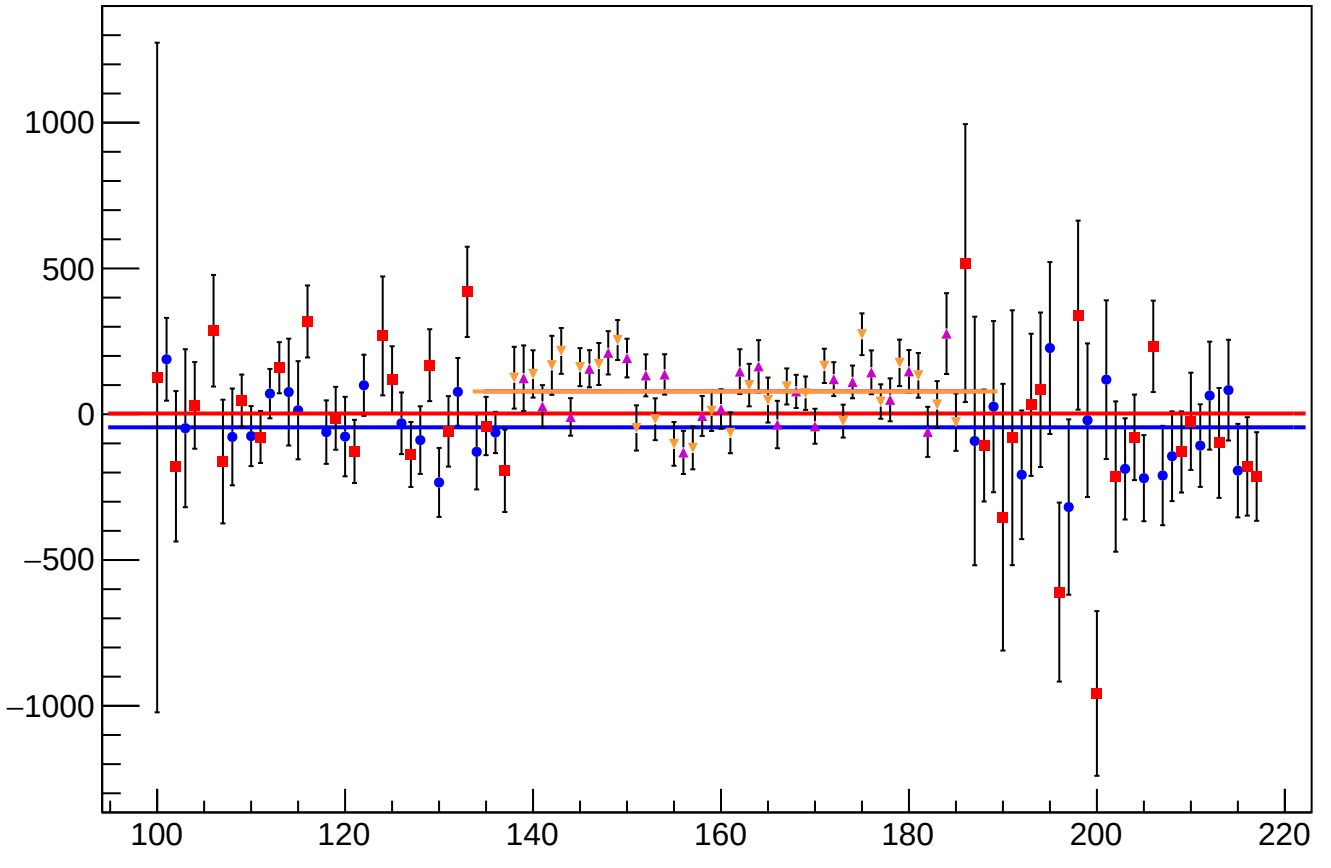
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1273.063+/-0.154 χ^2/NDF: 10775665.7/66

In: 649.931+/-0.085 χ^2/NDF:15937994.4/53

Out: 655.396+/-0.084 χ^2/NDF:17897273.0/60

All: 652.708+/-0.060 χ^2/NDF: 33837374.1/11



Right In: -44.849+/-25.067 χ^2/NDF: 19.5/30

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 2.549+/-24.719 χ^2/NDF: 57.8/35

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

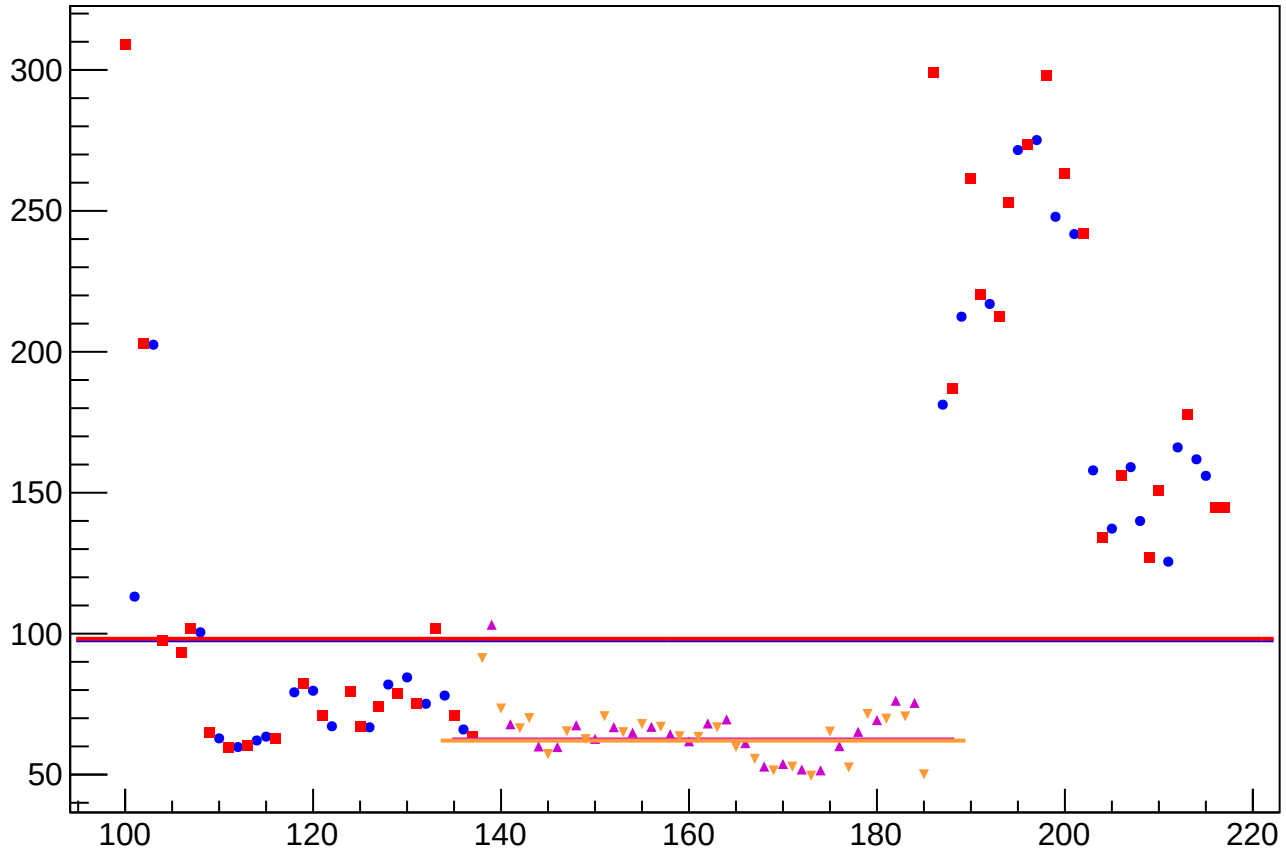
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -20.819+/-17.601 χ^2/NDF: 79.1/66

In: 46.585+/-12.752 χ^2/NDF:74.1/53

Out: 59.152+/-12.395 χ^2/NDF:118.7/60

All: 53.047+/-8.888 χ^2/NDF: 193.3/114



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: 98.179+/-0.017 χ^2/NDF: 8810384.8/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

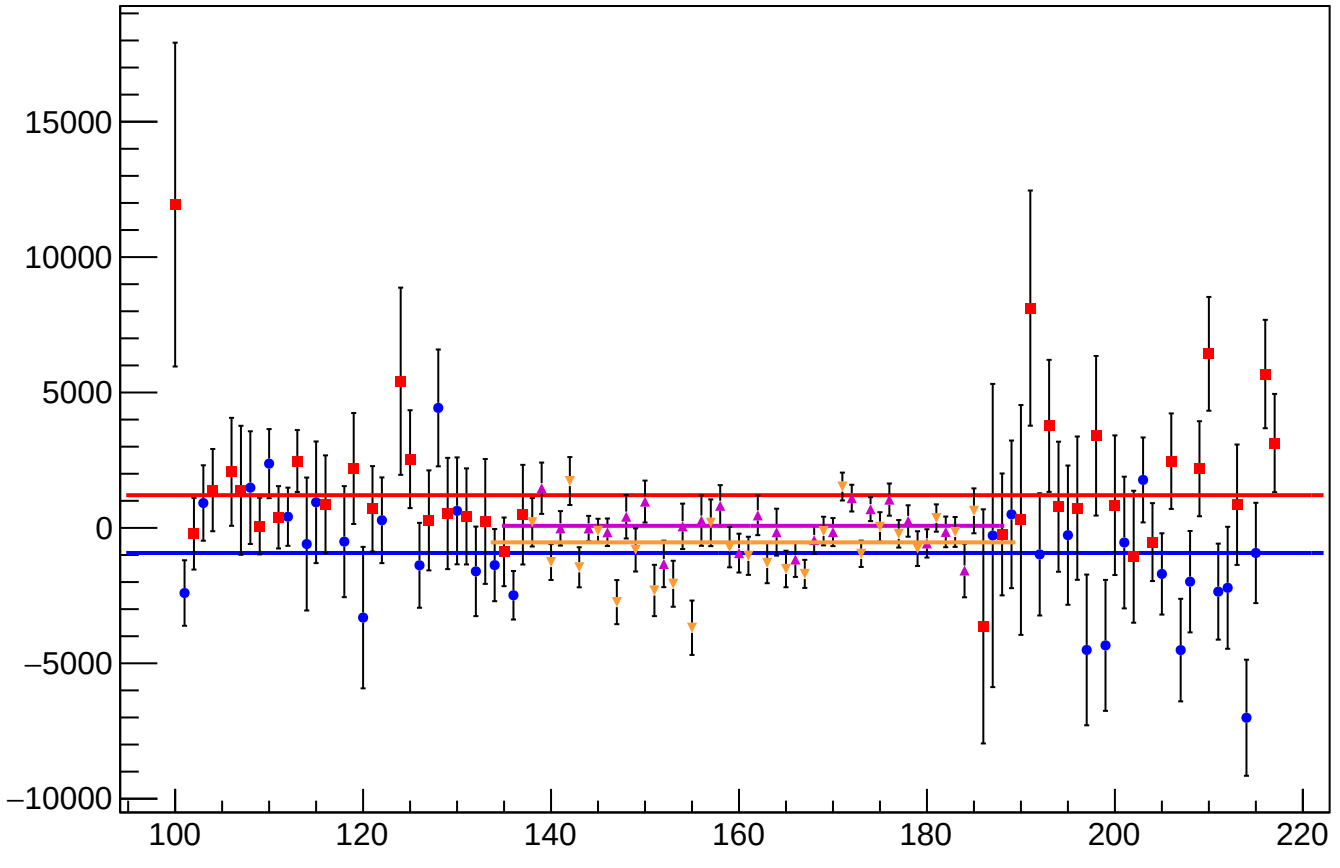
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 97.916+/-0.012 χ^2/NDF: 16195473.5/66

In: 71.554+/-0.009 χ^2/NDF:10972335.4/53

Out: 71.143+/-0.009 χ^2/NDF:12692965.1/60

All: 71.343+/-0.006 χ^2/NDF: 23666368.8/114



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: 1208.337+/-307.529 χ^2/NDF: 34.9/35

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

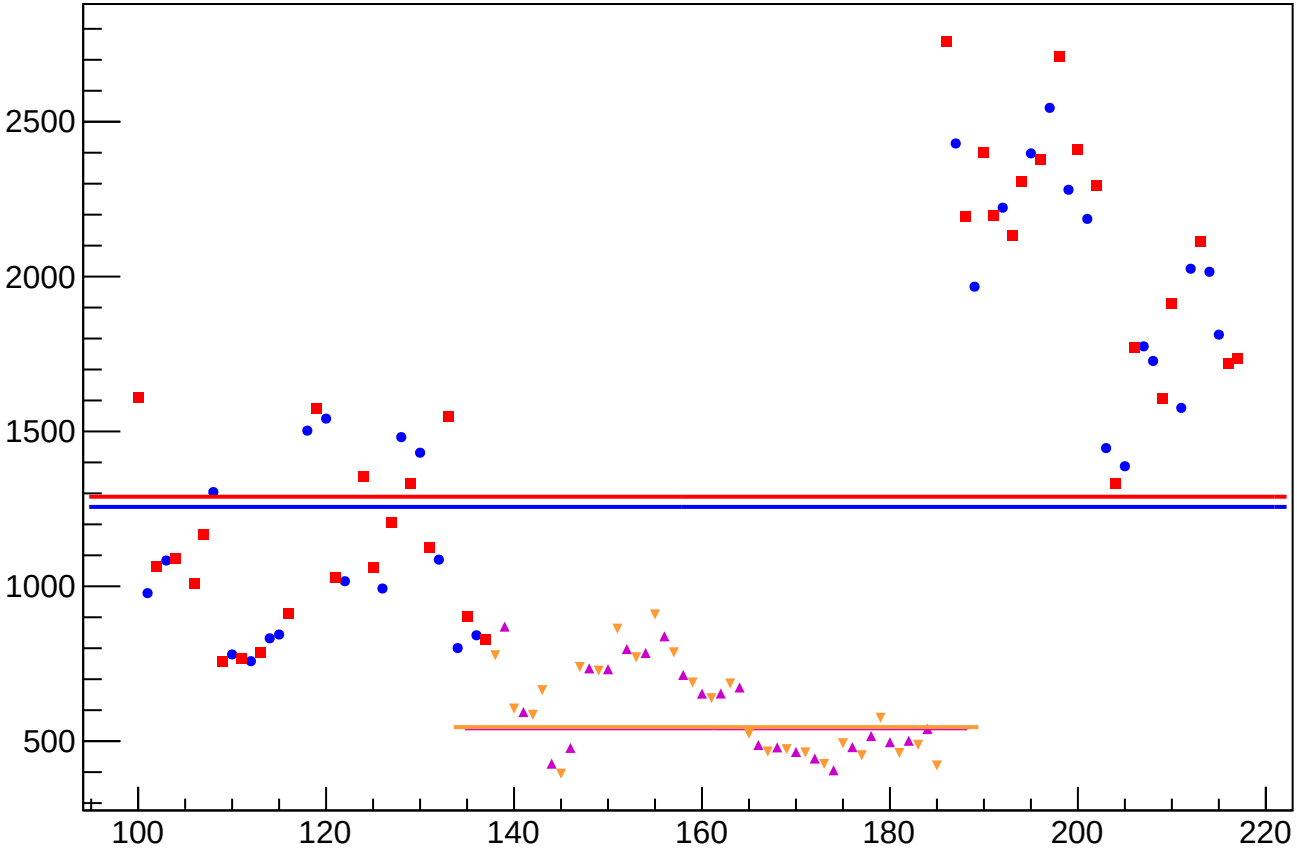
Right: 143.645+/-217.669 χ^2/NDF: 104.3/66

In: -74.734+/-120.025 χ^2/NDF:82.7/53

Out: -275.936+/-118.115 χ^2/NDF:131.4/60

All: -176.948+/-84.187 χ^2/NDF: 215.5/114

asym_sam_37_avg_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: 1289.252+/-0.217 χ^2/NDF: 5807619.1/35

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

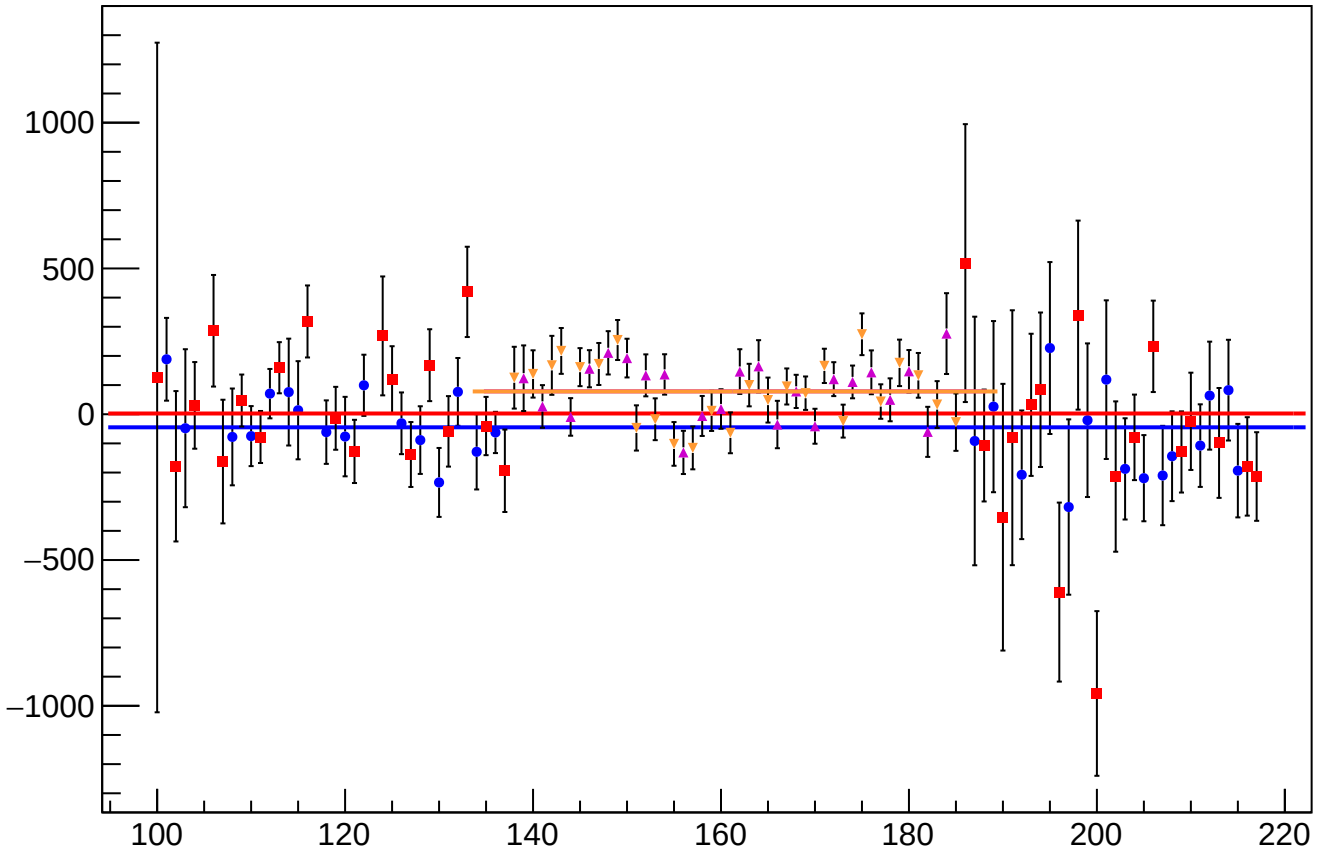
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1272.851+/-0.154 χ^2/NDF: 10783799.9/66

In: 649.931+/-0.085 χ^2/NDF:15938049.7/53

Out: 655.048+/-0.084 χ^2/NDF:17869005.7/60

All: 652.530+/-0.060 χ^2/NDF: 33808901.8/1



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: 2.549+/-24.719 χ^2/NDF: 57.8/35

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

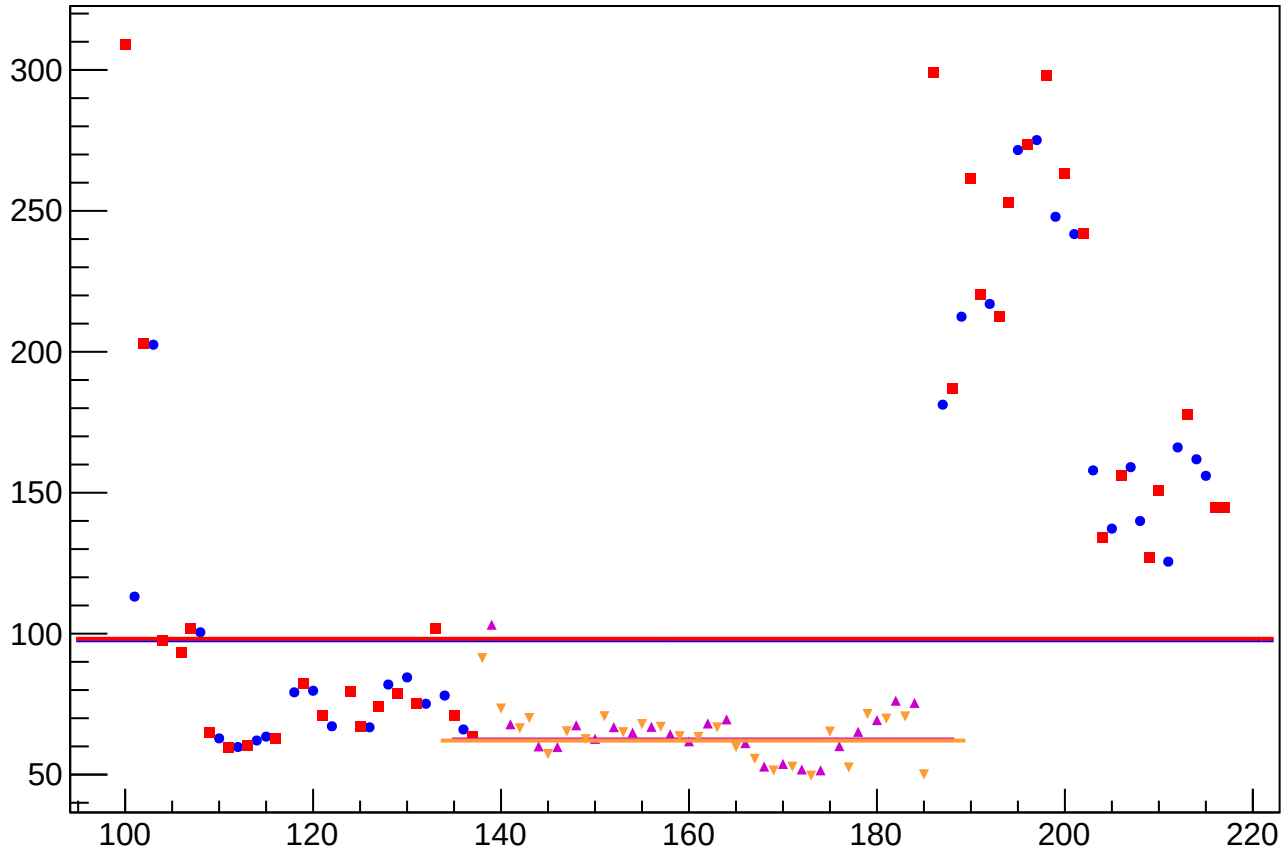
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -20.819+/-17.601 χ^2/NDF: 79.1/66

In: 46.585+/-12.752 χ^2/NDF:74.1/53

Out: 59.152+/-12.395 χ^2/NDF:118.7/60

All: 53.047+/-8.888 χ^2/NDF: 193.3/114



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: 98.179+/-0.017 χ^2/NDF: 8810384.8/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

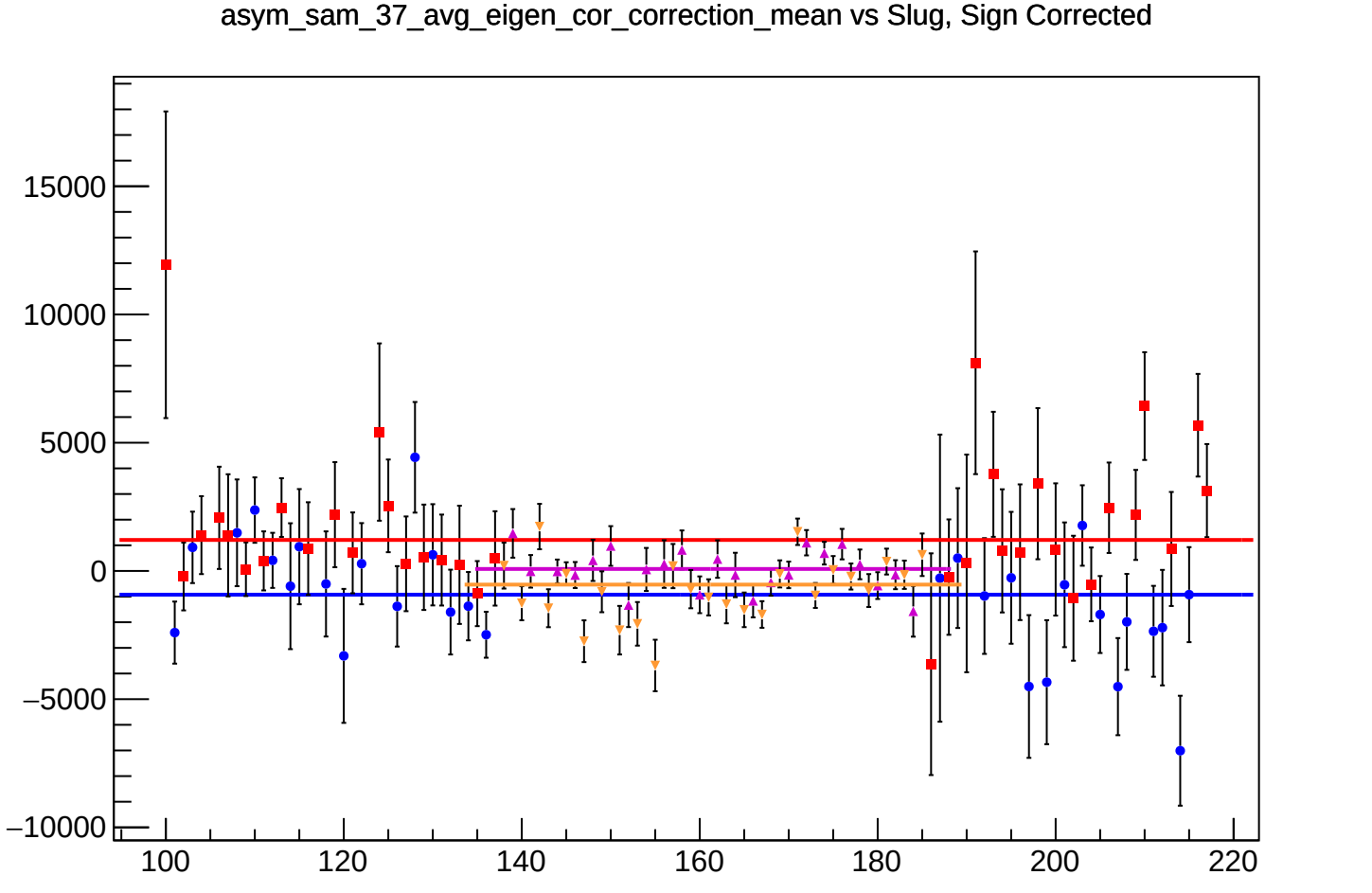
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

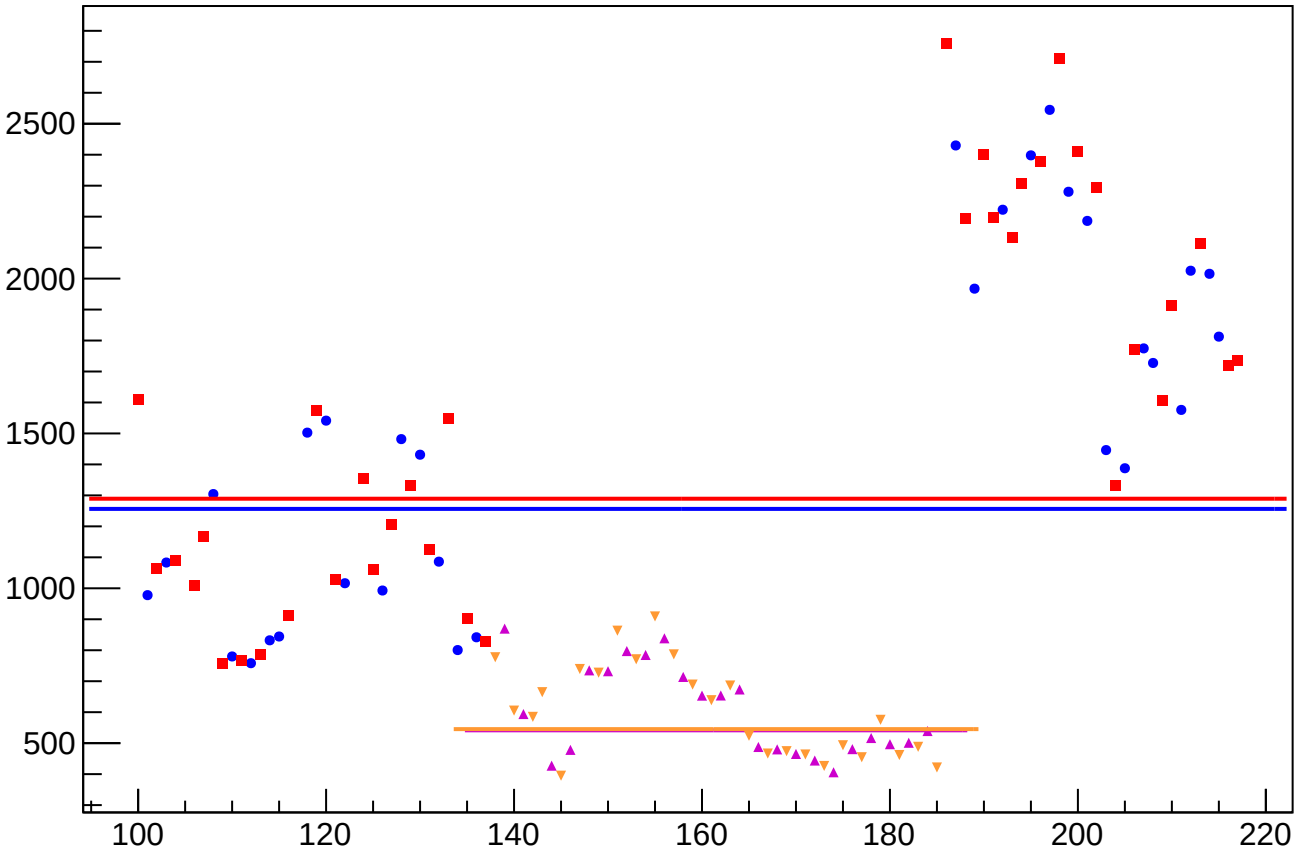
Right: 97.916+/-0.012 χ^2/NDF: 16195473.5/66

In: 71.554+/-0.009 χ^2/NDF:10972335.4/53

Out: 71.143+/-0.009 χ^2/NDF:12692965.1/60

All: 71.343+/-0.006 χ^2/NDF: 23666368.8/114


asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -925.241+/-308.134 χ²/NDF: 45.4/30
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 1208.337+/-307.529 χ²/NDF: 34.9/35
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 143.645+/-217.669 χ²/NDF: 104.3/66
In: -74.734+/-120.025 χ²/NDF:82.7/53
Out: -275.936+/-118.115 χ²/NDF:131.4/60
All: -176.948+/-84.187 χ²/NDF: 215.5/114



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: 1289.252+/-0.217 χ^2/NDF: 5807619.1/35

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

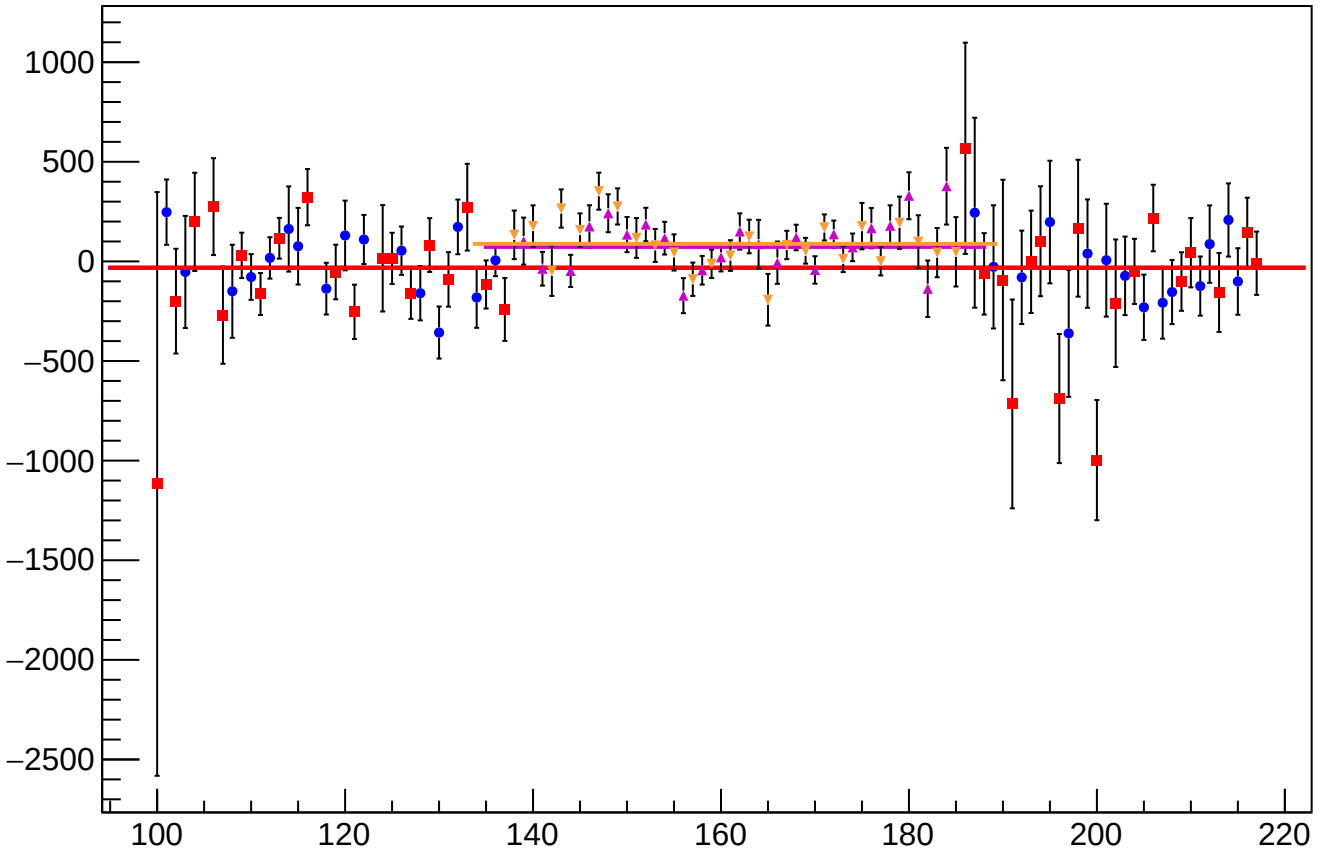
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1272.851+/-0.154 χ^2/NDF: 10783799.9/66

In: 649.931+/-0.085 χ^2/NDF:15938049.7/53

Out: 655.048+/-0.084 χ^2/NDF:17869005.7/60

All: 652.530+/-0.060 χ^2/NDF: 33808901.8/1



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: -32.432+/-28.713 χ^2/NDF: 45.9/35

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

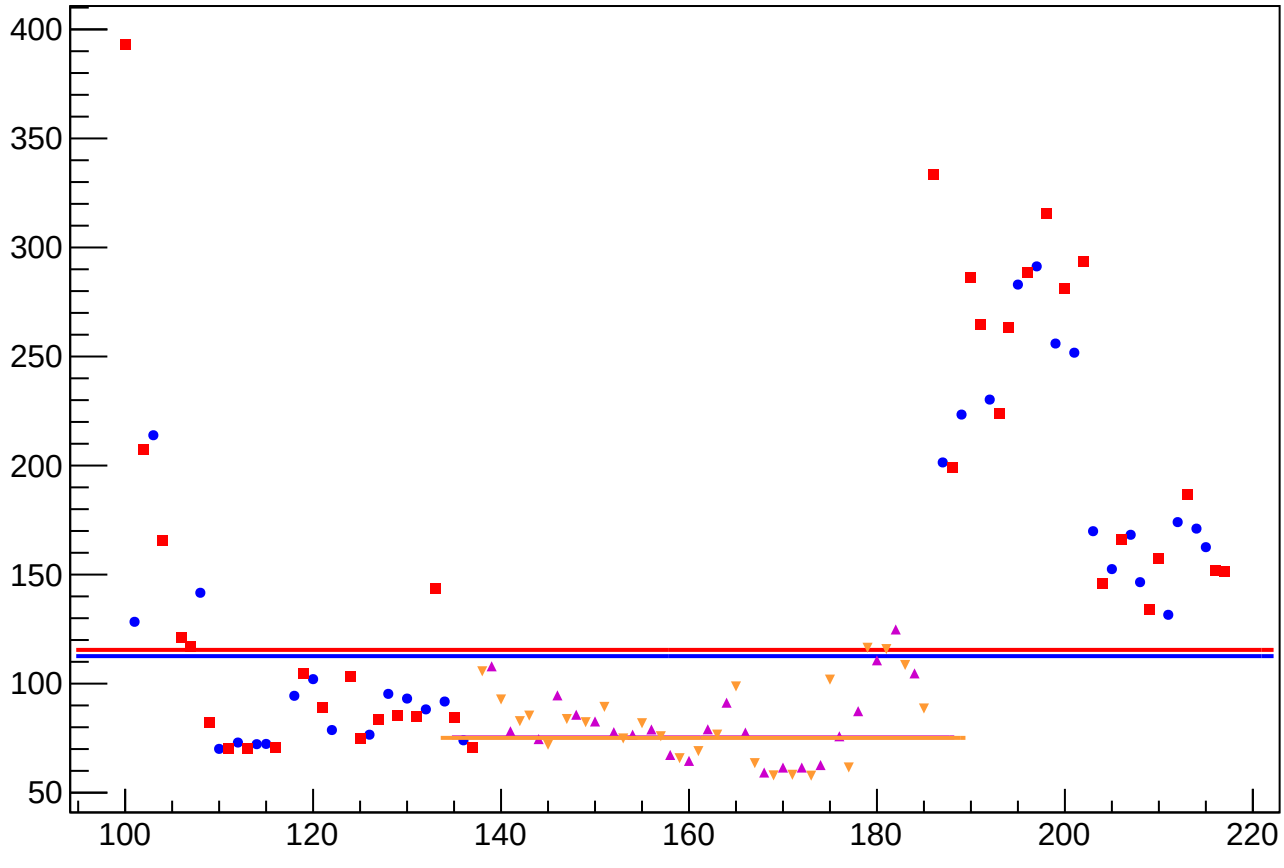
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -31.777+/-20.246 χ^2/NDF: 72.2/66

In: 42.632+/-15.393 χ^2/NDF:74.1/53

Out: 54.744+/-15.095 χ^2/NDF:95.6/60

All: 48.807+/-10.777 χ^2/NDF: 170.0/114



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: 115.472+/-0.020 χ^2/NDF: 7776942.9/35

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

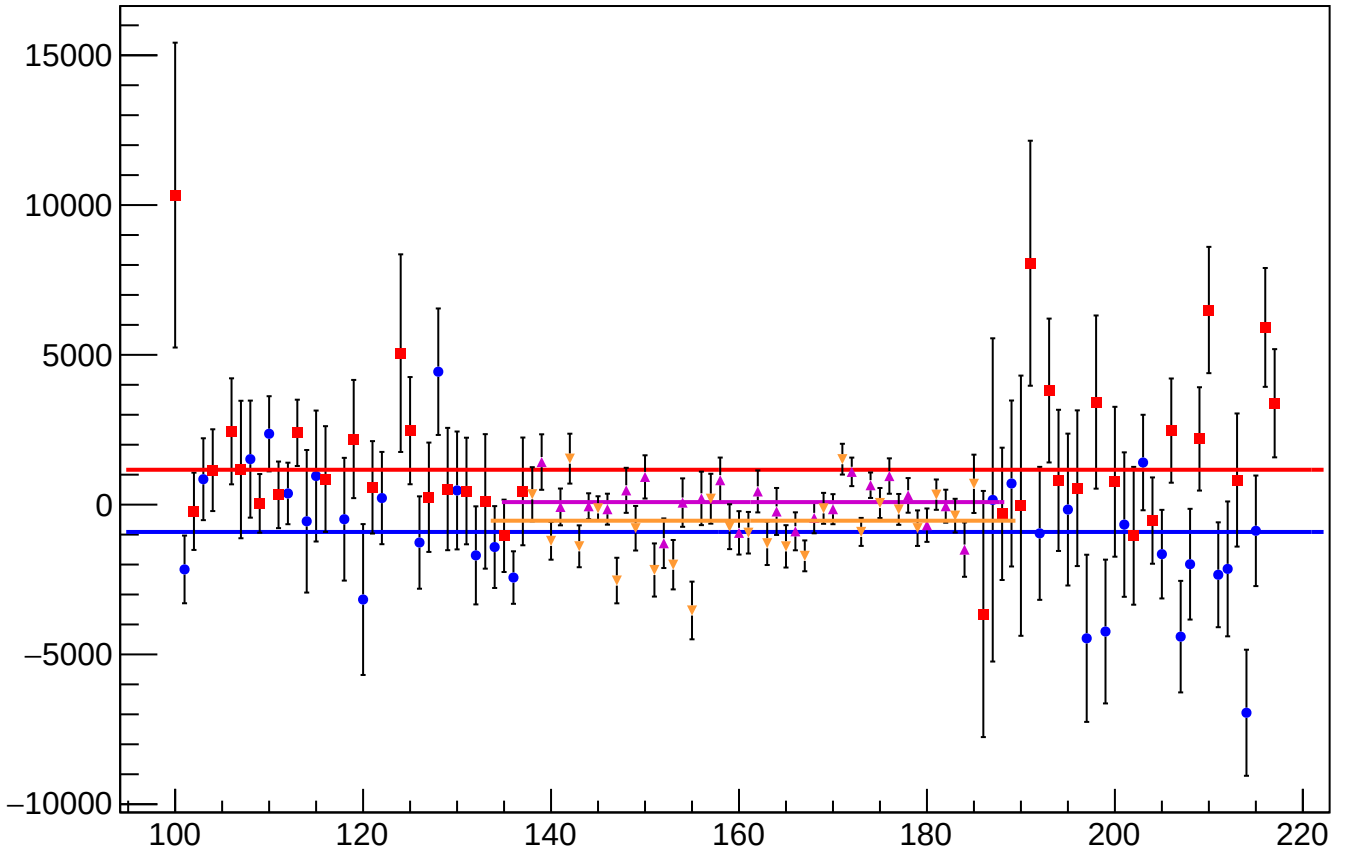
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 114.033+/-0.014 χ^2/NDF: 14132355.7/66

In: 86.187+/-0.011 χ^2/NDF:9984939.7/53

Out: 86.278+/-0.011 χ^2/NDF:12235775.8/60

All: 86.234+/-0.008 χ^2/NDF: 22220751.0/114



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: 1164.170+/-297.580 χ^2/NDF: 38.2/35

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

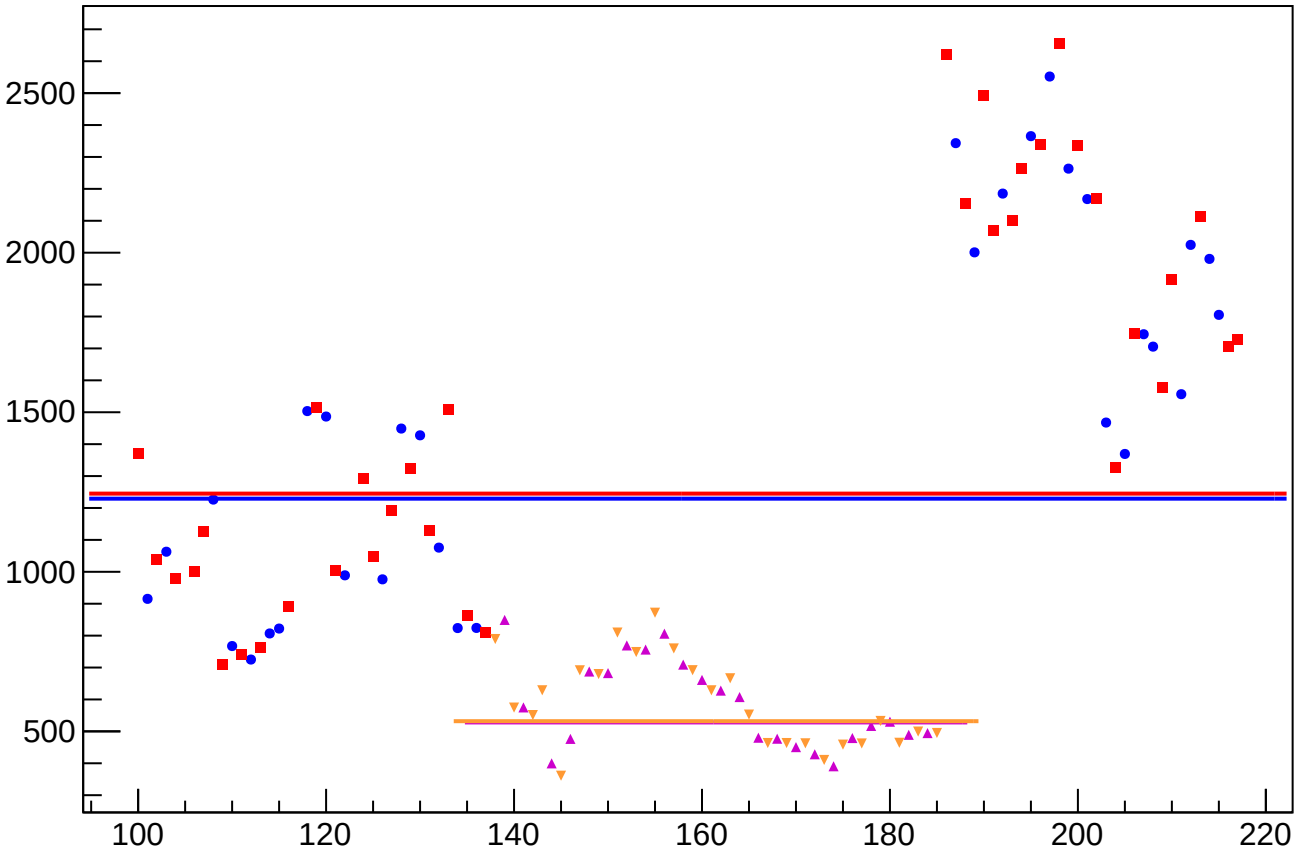
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 141.813+/-212.015 χ^2/NDF: 106.9/66

In: -65.080+/-117.109 χ^2/NDF:81.5/53

Out: -283.508+/-114.831 χ^2/NDF:133.1/60

All: -176.439+/-81.991 χ^2/NDF: 216.3/114



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: 1245.022+/-0.210 χ^2/NDF: 6092117.8/35

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

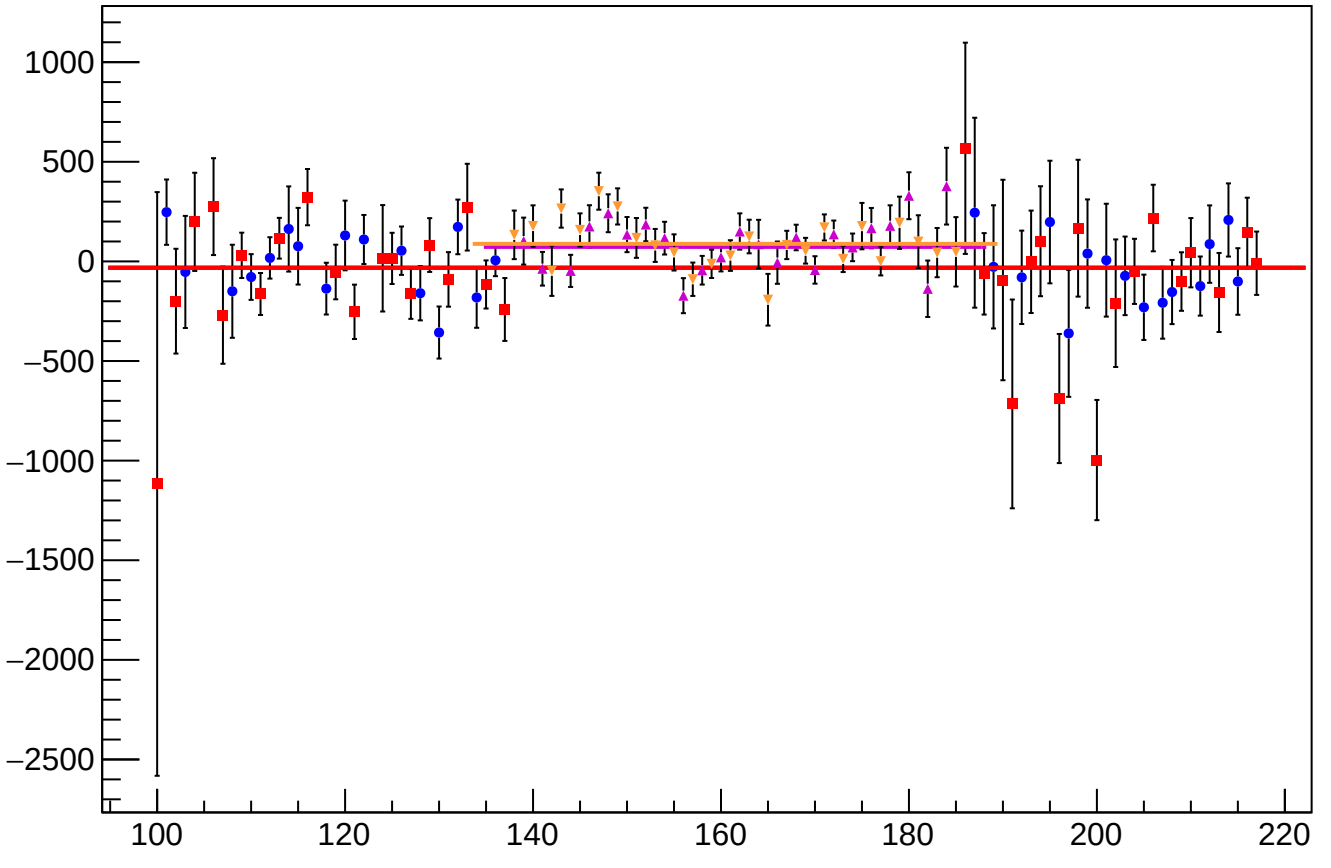
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1237.220+/-0.150 χ^2/NDF: 11242129.9/66

In: 633.326+/-0.083 χ^2/NDF:16101133.8/53

Out: 638.064+/-0.081 χ^2/NDF:17905877.5/60

All: 635.741+/-0.058 χ^2/NDF: 34008680.0/1



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: -32.436+/-28.713 χ^2/NDF: 45.9/35

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

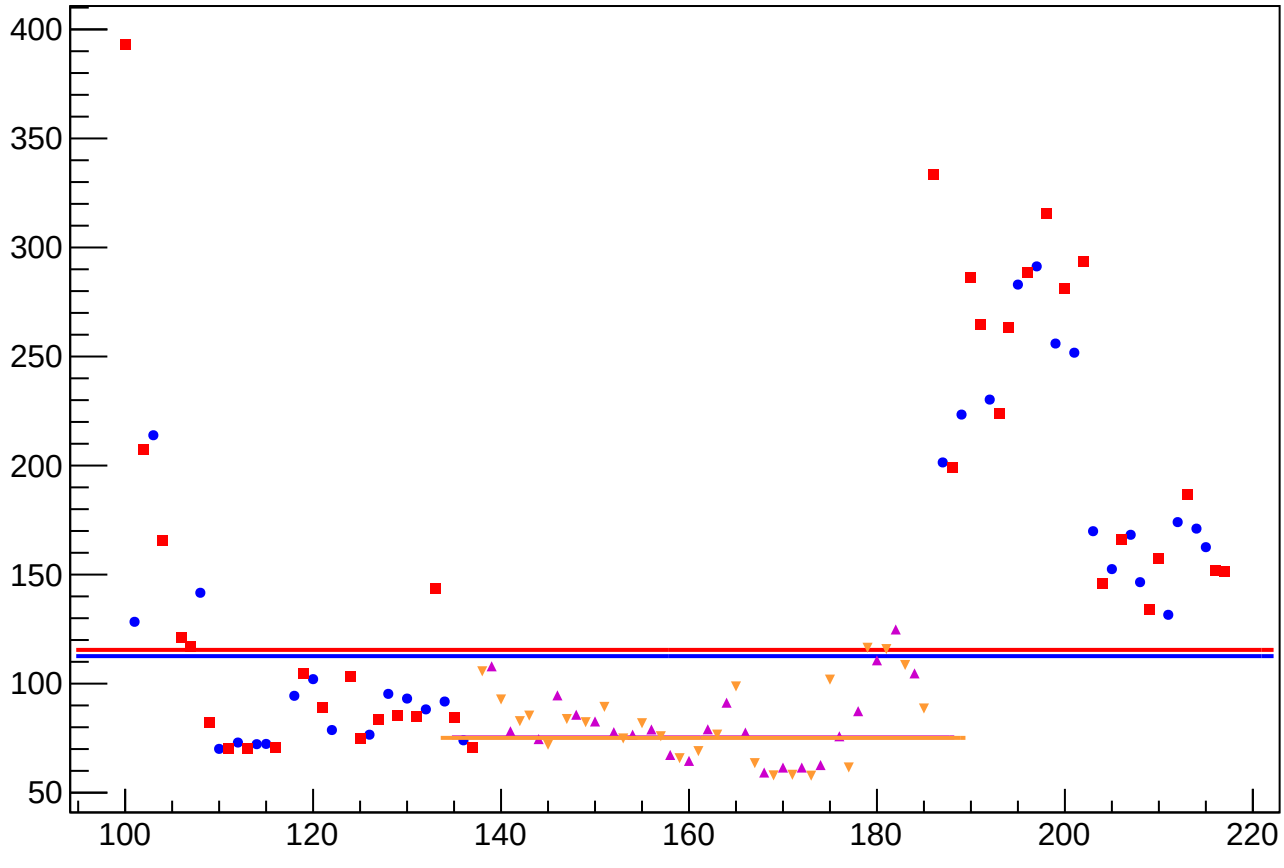
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -31.779+/-20.247 χ^2/NDF: 72.2/66

In: 42.632+/-15.393 χ^2/NDF:74.1/53

Out: 54.744+/-15.095 χ^2/NDF:95.6/60

All: 48.806+/-10.777 χ^2/NDF: 170.0/114



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: 115.473+/-0.020 χ^2/NDF: 7776893.3/35

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

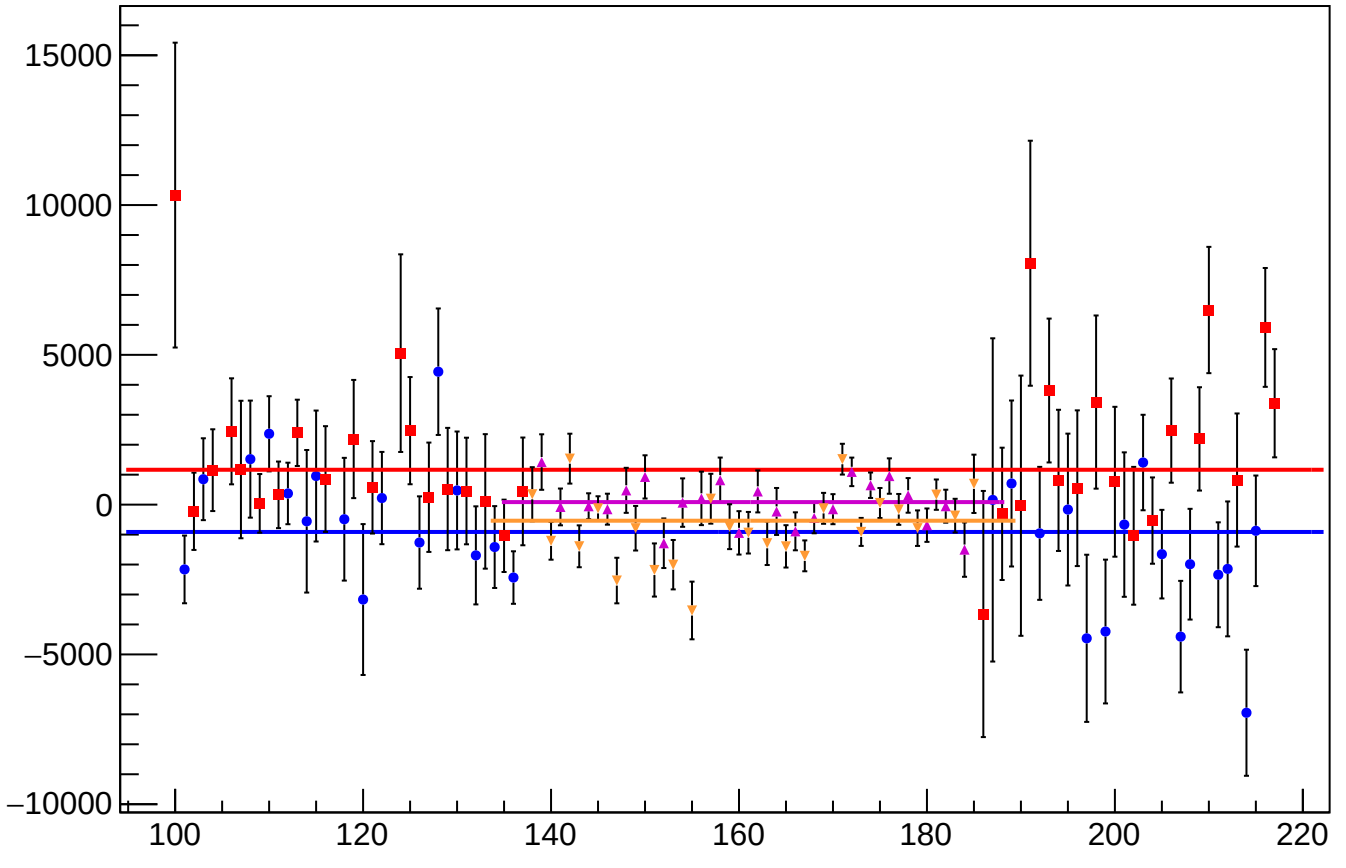
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 114.034+/-0.014 χ^2/NDF: 14132260.6/66

In: 86.188+/-0.011 χ^2/NDF:9984905.6/53

Out: 86.279+/-0.011 χ^2/NDF:12235743.8/60

All: 86.234+/-0.008 χ^2/NDF: 22220684.9/114



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: 1164.168+/-297.580 χ^2/NDF: 38.2/35

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

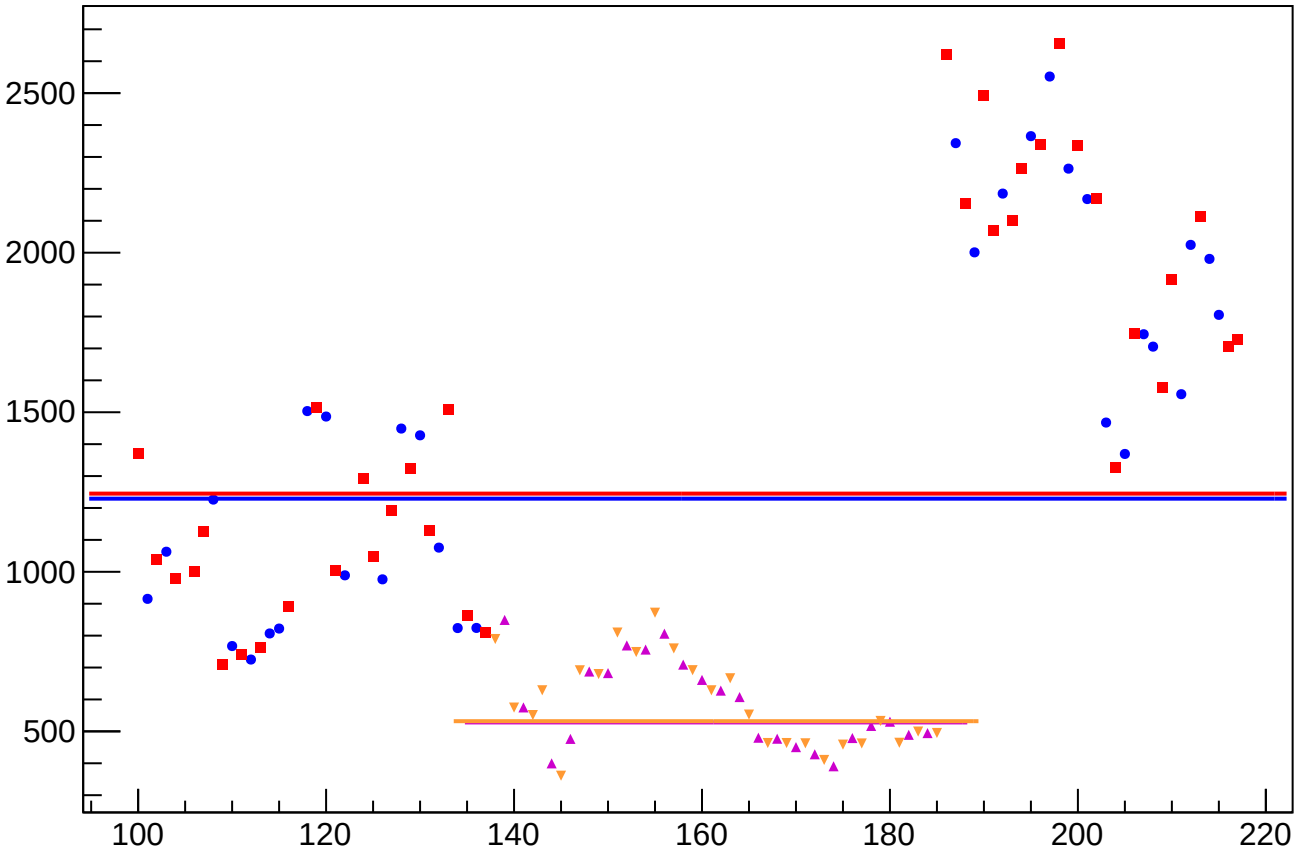
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 141.814+/-212.015 χ^2/NDF: 106.9/66

In: -65.080+/-117.108 χ^2/NDF:81.5/53

Out: -283.509+/-114.831 χ^2/NDF:133.1/60

All: -176.439+/-81.991 χ^2/NDF: 216.3/114



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: 1245.020+/-0.210 χ^2/NDF: 6092131.4/35

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

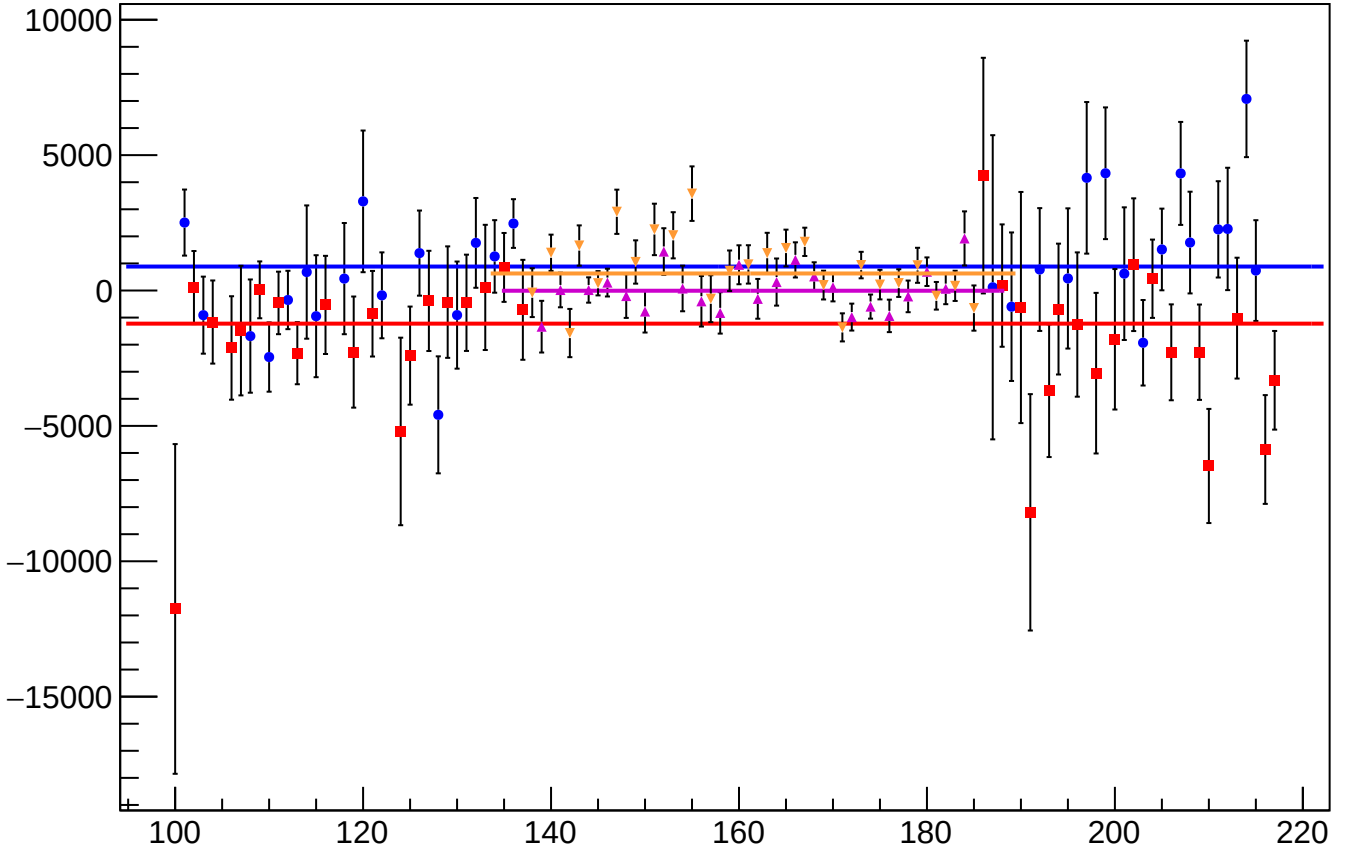
Right: 1237.218+/-0.150 χ^2/NDF: 11242158.4/66

In: 633.326+/-0.083 χ^2/NDF:16101120.4/53

Out: 638.063+/-0.081 χ^2/NDF:17905863.6/60

All: 635.741+/-0.058 χ^2/NDF: 34008652.7/1

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 885.212+/-309.646 χ^2/NDF: 45.7/30

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -1223.612+/-308.640 χ^2/NDF: 34.5/35

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

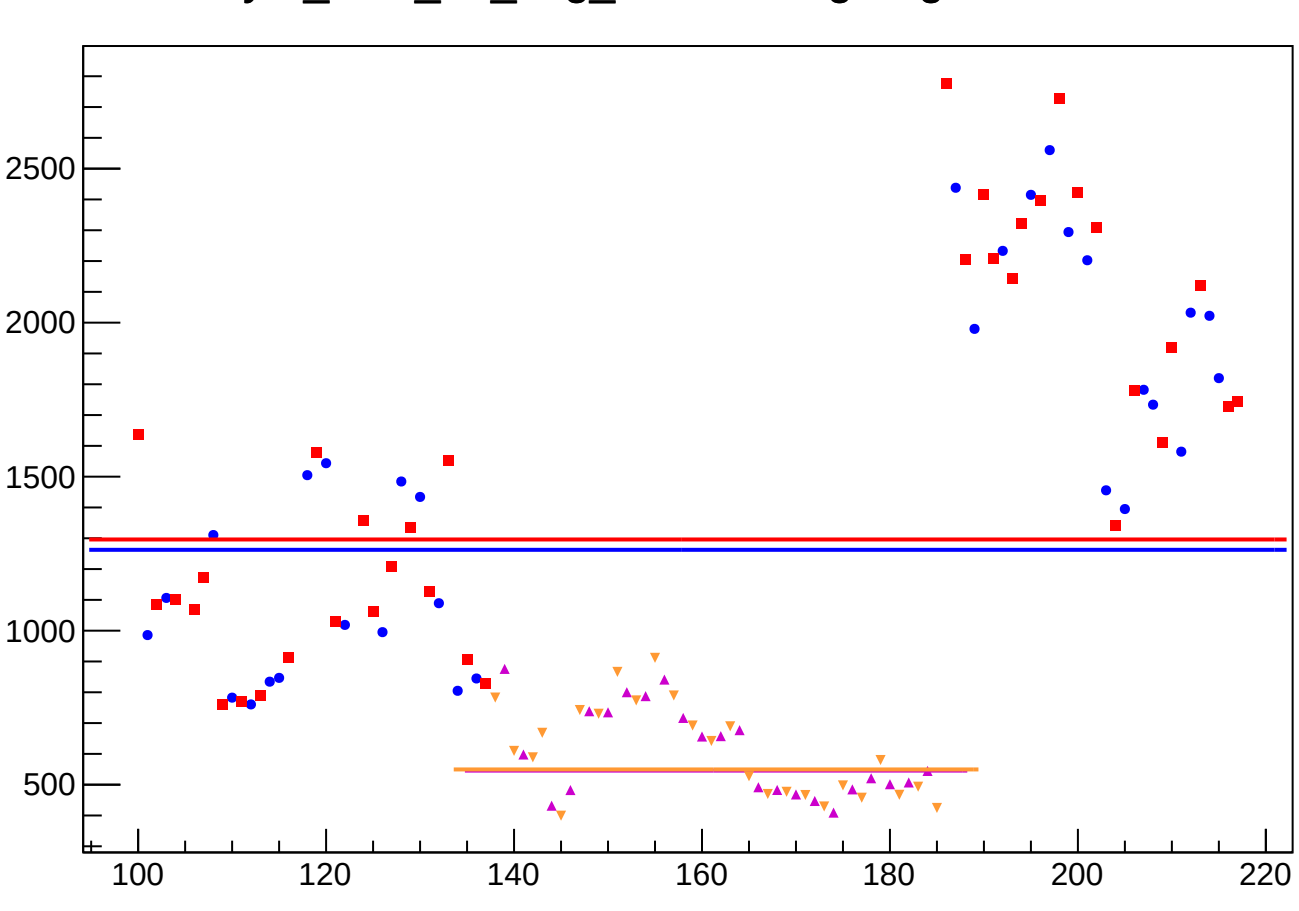
Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

Right: -172.631+/-218.596 χ^2/NDF: 103.5/66

In: 127.718+/-120.873 χ^2/NDF:80.1/53

Out: 354.347+/-118.907 χ^2/NDF:130.1/60

All: 242.891+/-84.766 χ^2/NDF: 212.0/114



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: 1296.098+/-0.218 χ^2/NDF: 5803246.4/35

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

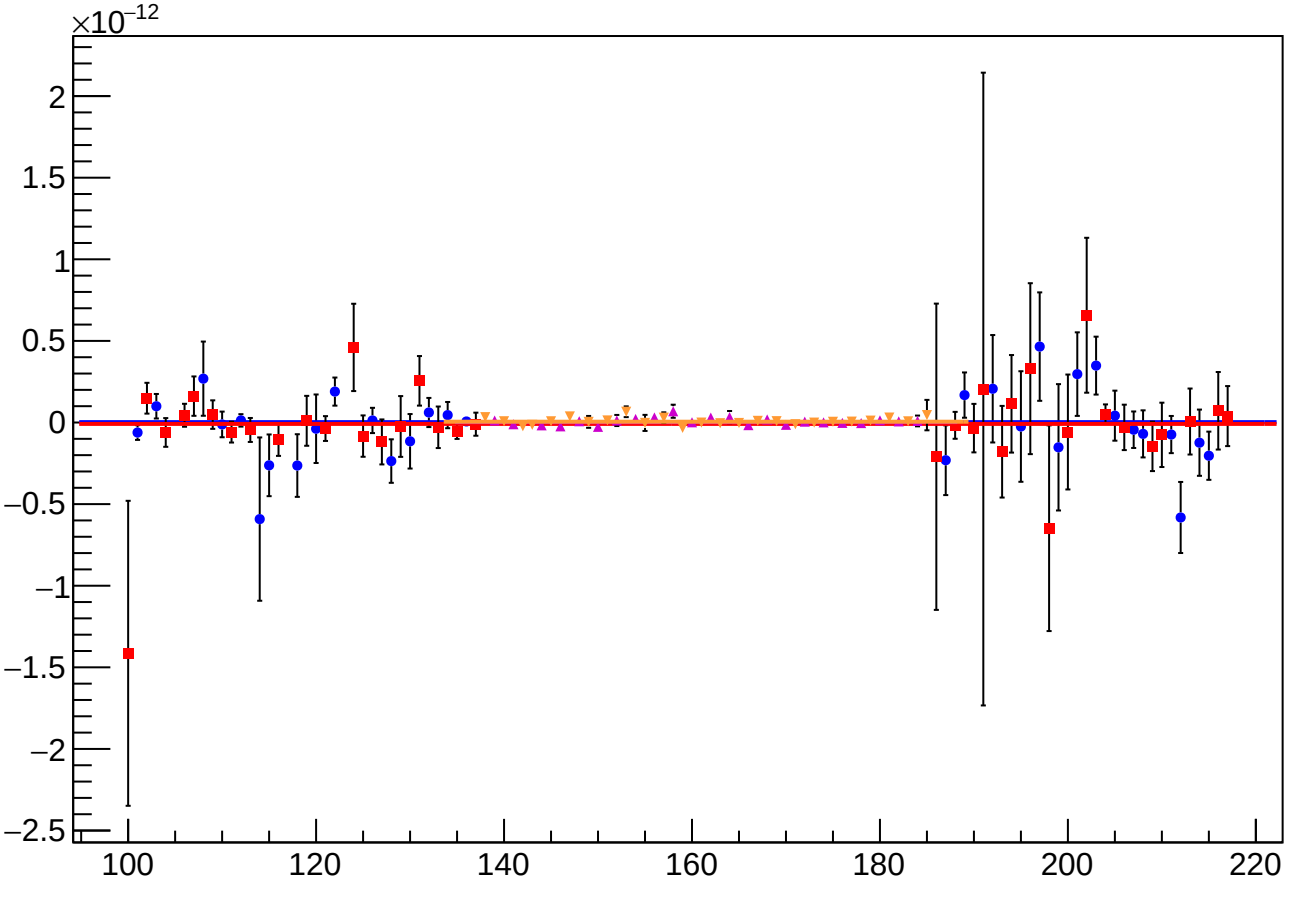
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1279.354+/-0.155 χ^2/NDF: 10782542.3/66

In: 654.933+/-0.085 χ^2/NDF:15866207.3/53

Out: 660.293+/-0.084 χ^2/NDF:17823861.6/60

All: 657.657+/-0.060 χ^2/NDF: 33692067.4/1



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: 24.7/35

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

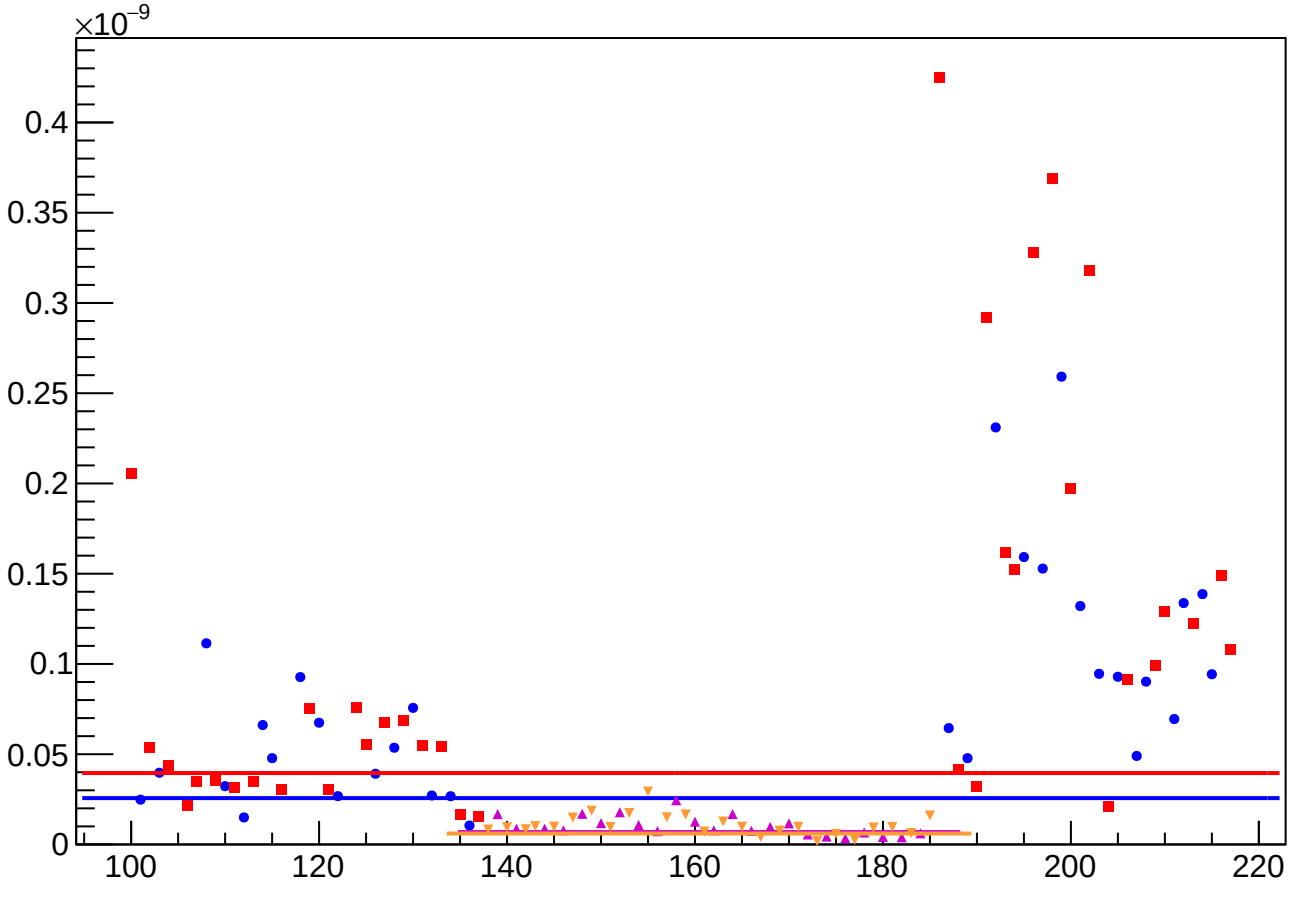
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/66

In: 0.000+/-0.000 χ^2/NDF:60.4/53

Out: 0.000+/-0.000 χ^2/NDF:40.9/60

All: 0.000+/-0.000 χ^2/NDF: 101.5/114



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: 6916674.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

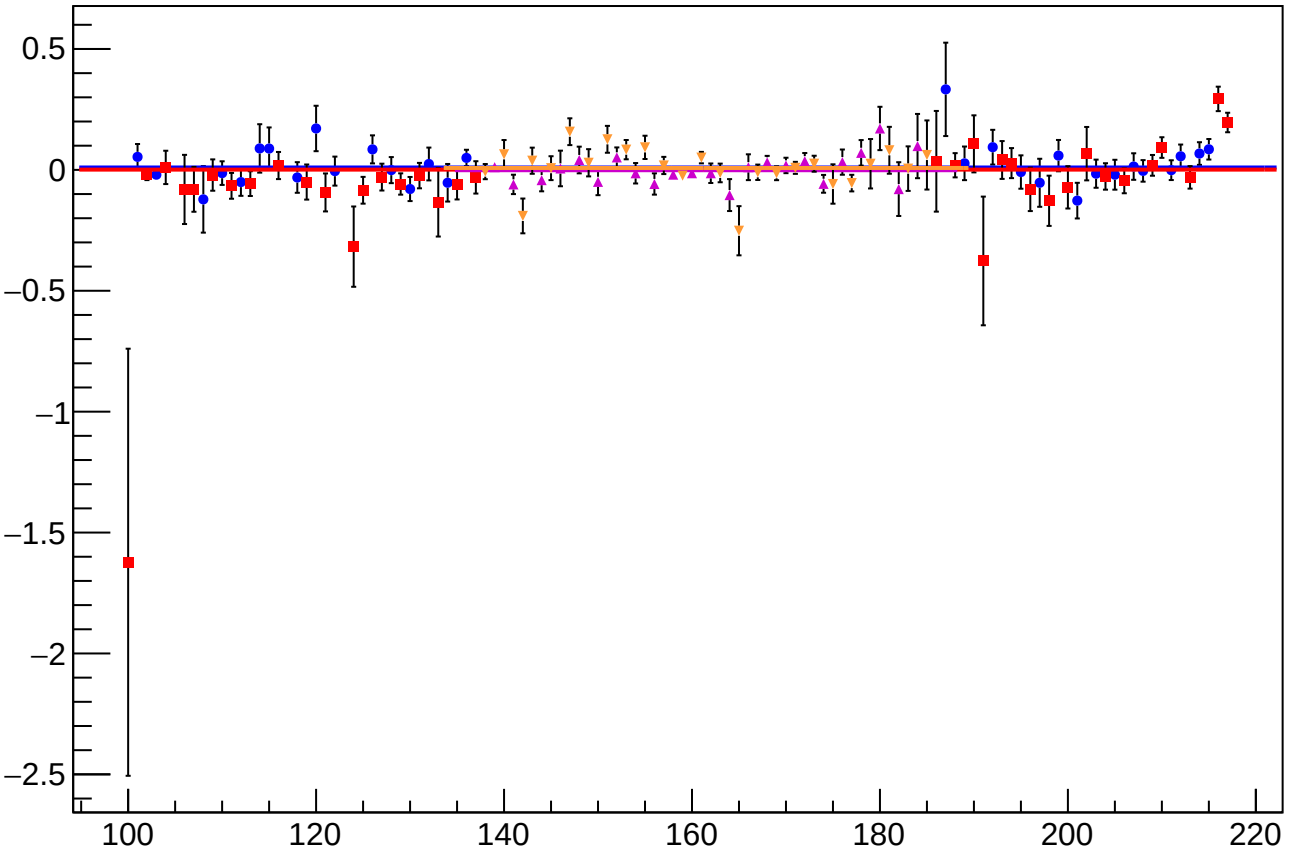
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15626112.5/66

In: 0.000+/-0.000 χ^2/NDF:13916717.2/53

Out: 0.000+/-0.000 χ^2/NDF:17176336.1/60

All: 0.000+/-0.000 χ^2/NDF: 31185467.3/114



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: 0.001+/-0.010 χ^2/NDF: 90.9/35

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

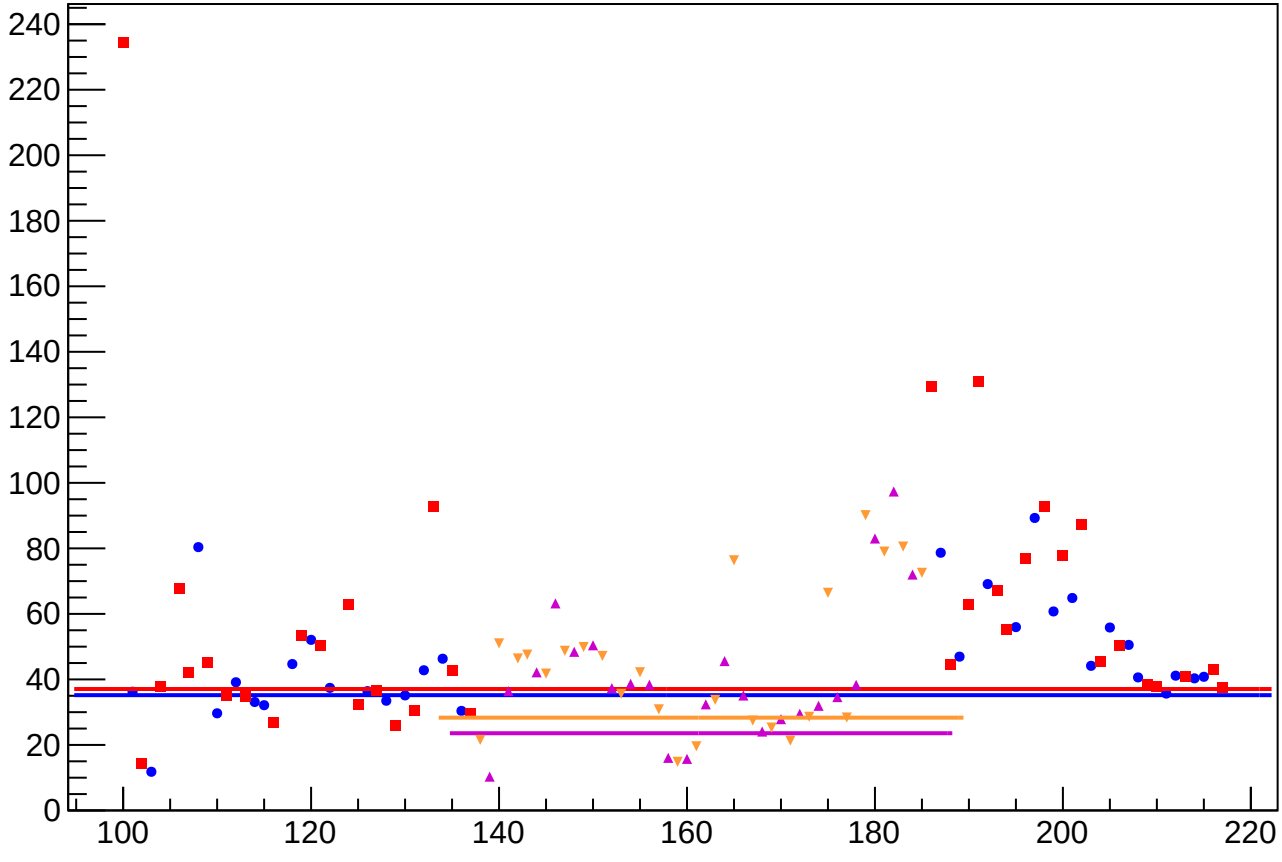
Right: 0.006+/-0.007 χ^2/NDF: 123.4/66

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: 0.005+/-0.006 χ^2/NDF:138.8/60

All: 0.004+/-0.004 χ^2/NDF: 197.1/114

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.194+/-0.007 χ^2/NDF: 5873617.4/30

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 37.070+/-0.007 χ^2/NDF: 6561311.5/35

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

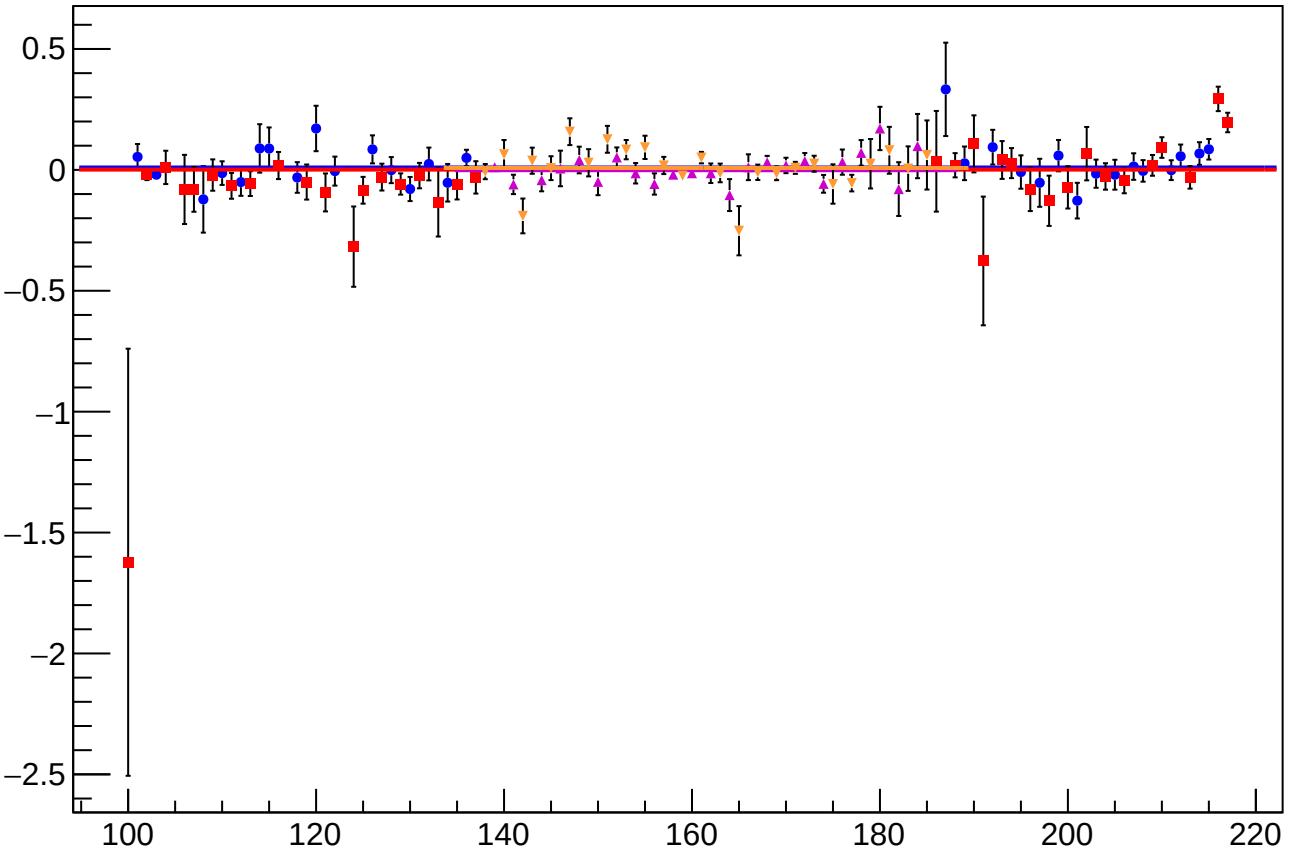
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 36.107+/-0.005 χ^2/NDF: 12474264.0/66

In: 27.610+/-0.004 χ^2/NDF:16163568.8/53

Out: 31.689+/-0.004 χ^2/NDF:14374522.8/60

All: 29.491+/-0.003 χ^2/NDF: 31045635.0/114



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: 0.001+/-0.010 χ^2/NDF: 90.9/35

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

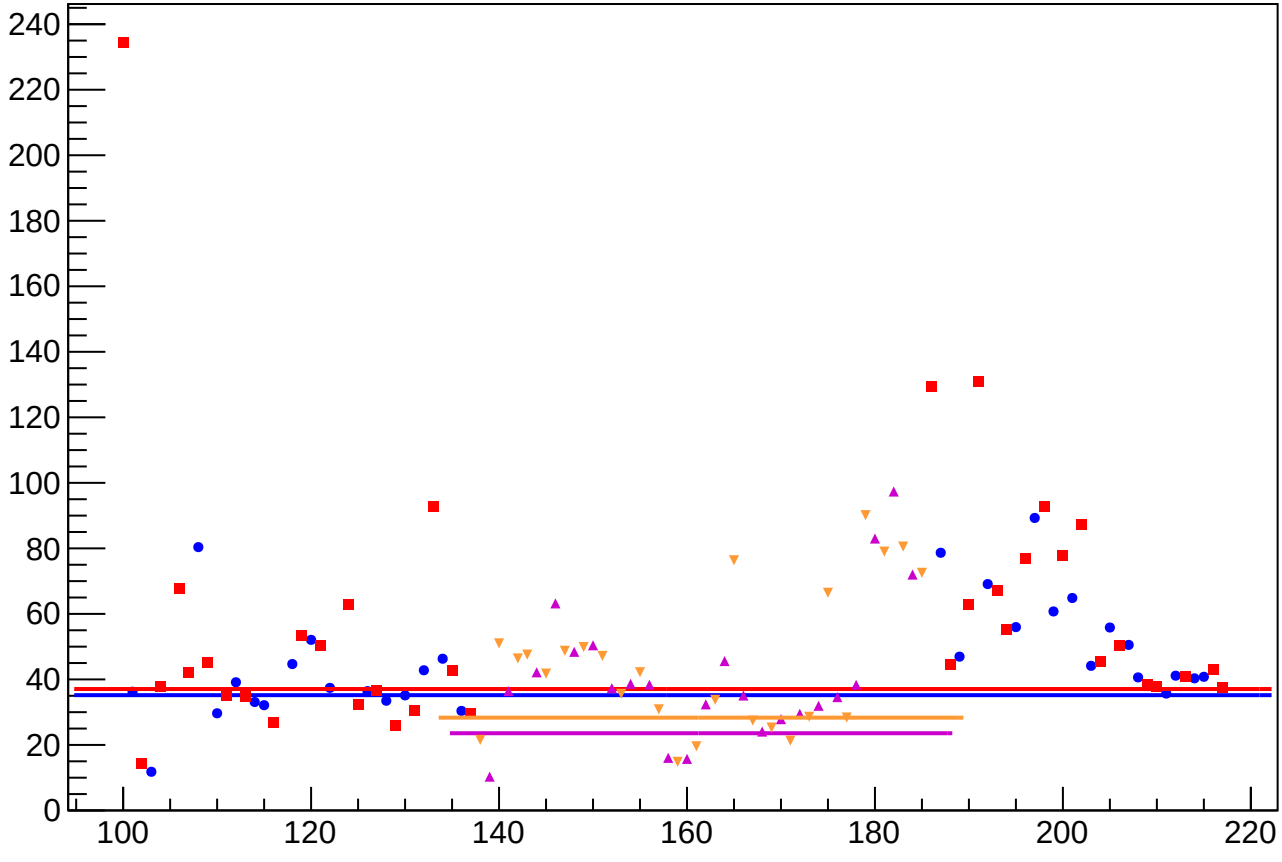
Right: 0.006+/-0.007 χ^2/NDF: 123.4/66

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: 0.005+/-0.006 χ^2/NDF:138.8/60

All: 0.004+/-0.004 χ^2/NDF: 197.1/114

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: 37.070+/-0.007 χ^2/NDF: 6561311.5/35

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

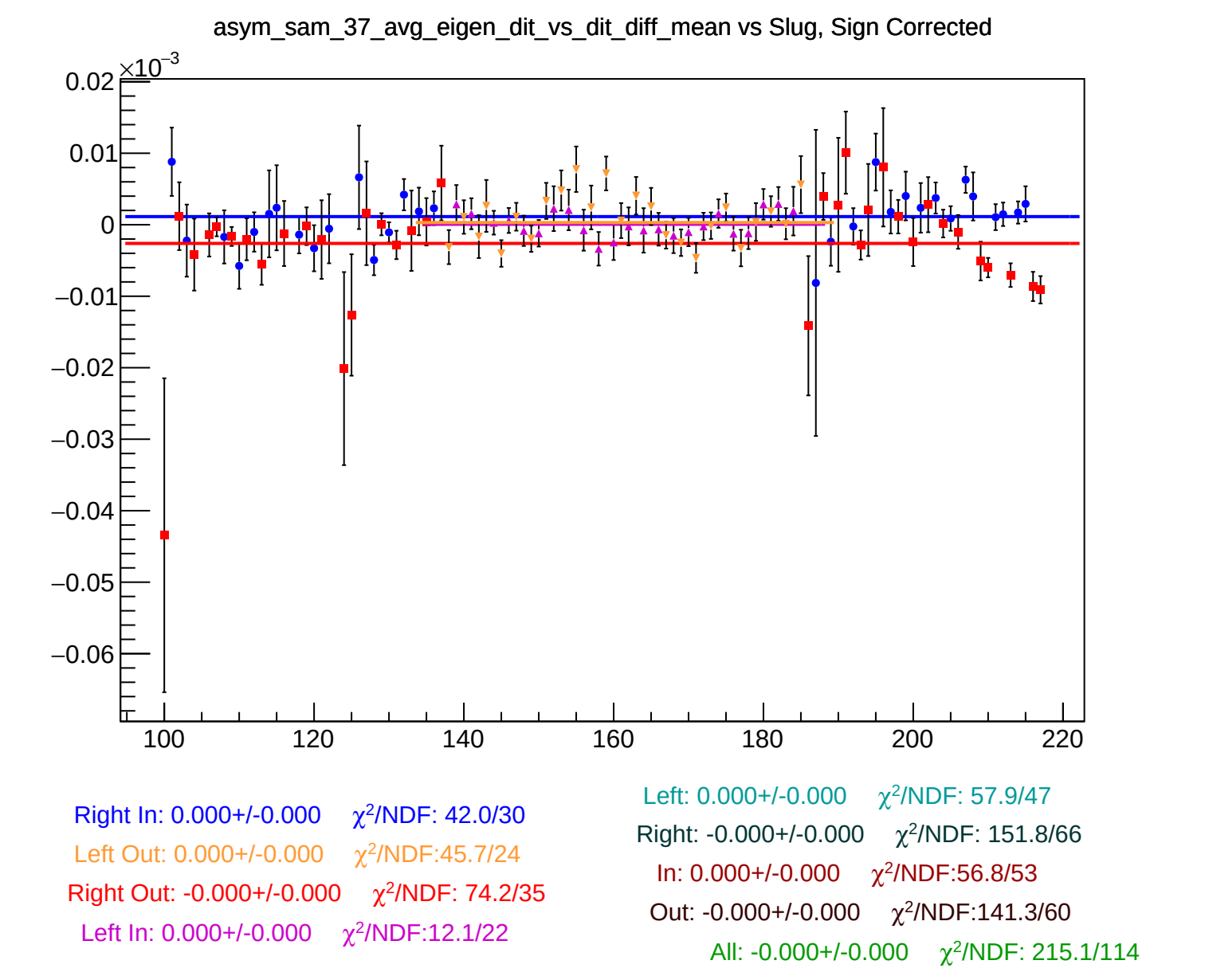
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

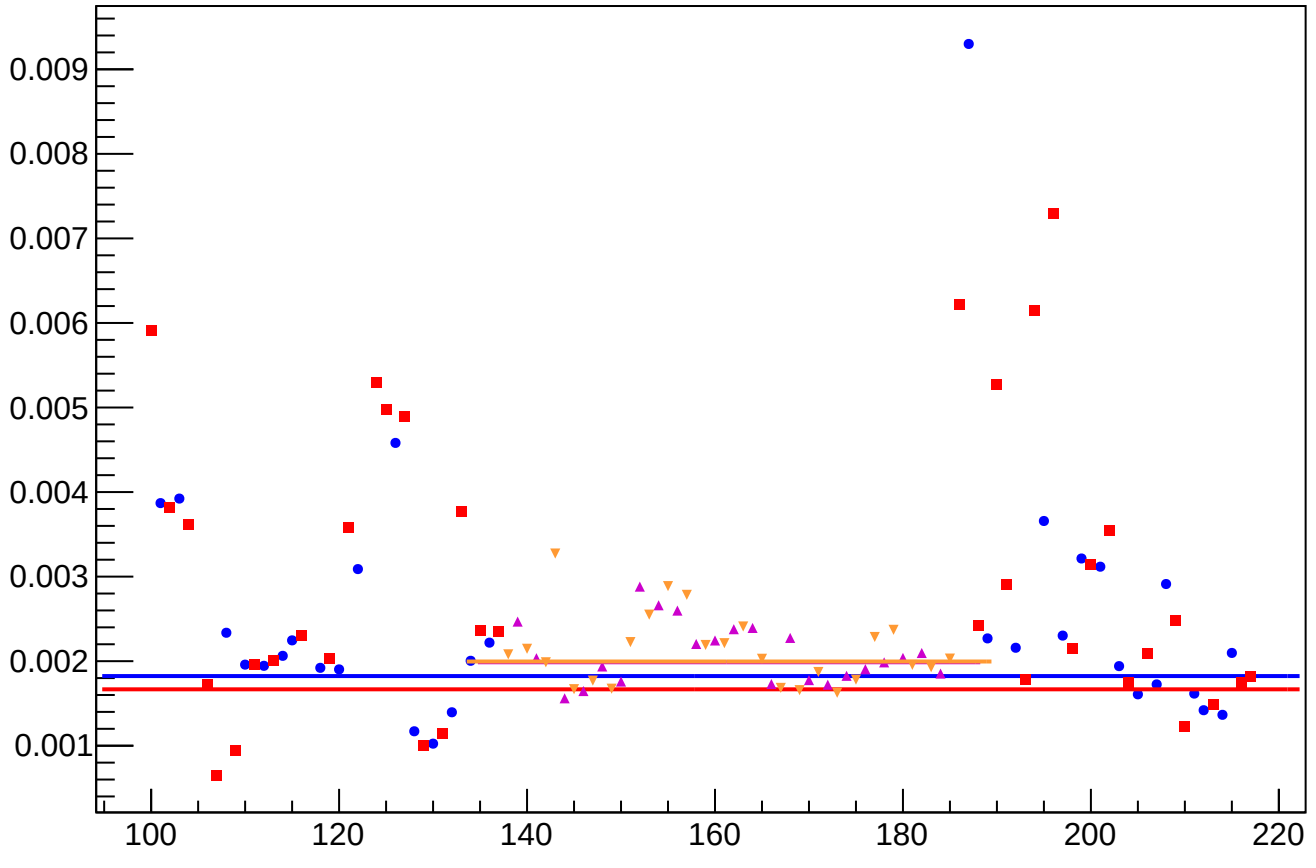
Right: 36.107+/-0.005 χ^2/NDF: 12474264.0/66

In: 27.610+/-0.004 χ^2/NDF:16163568.8/53

Out: 31.689+/-0.004 χ^2/NDF:14374522.8/60

All: 29.491+/-0.003 χ^2/NDF: 31045635.0/114


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: 74.2/35
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: 151.8/66
In: 0.000+/-0.000 χ²/NDF:56.8/53
Out: -0.000+/-0.000 χ²/NDF:141.3/60
All: -0.000+/-0.000 χ²/NDF: 215.1/114



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: 8991784.5/35

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

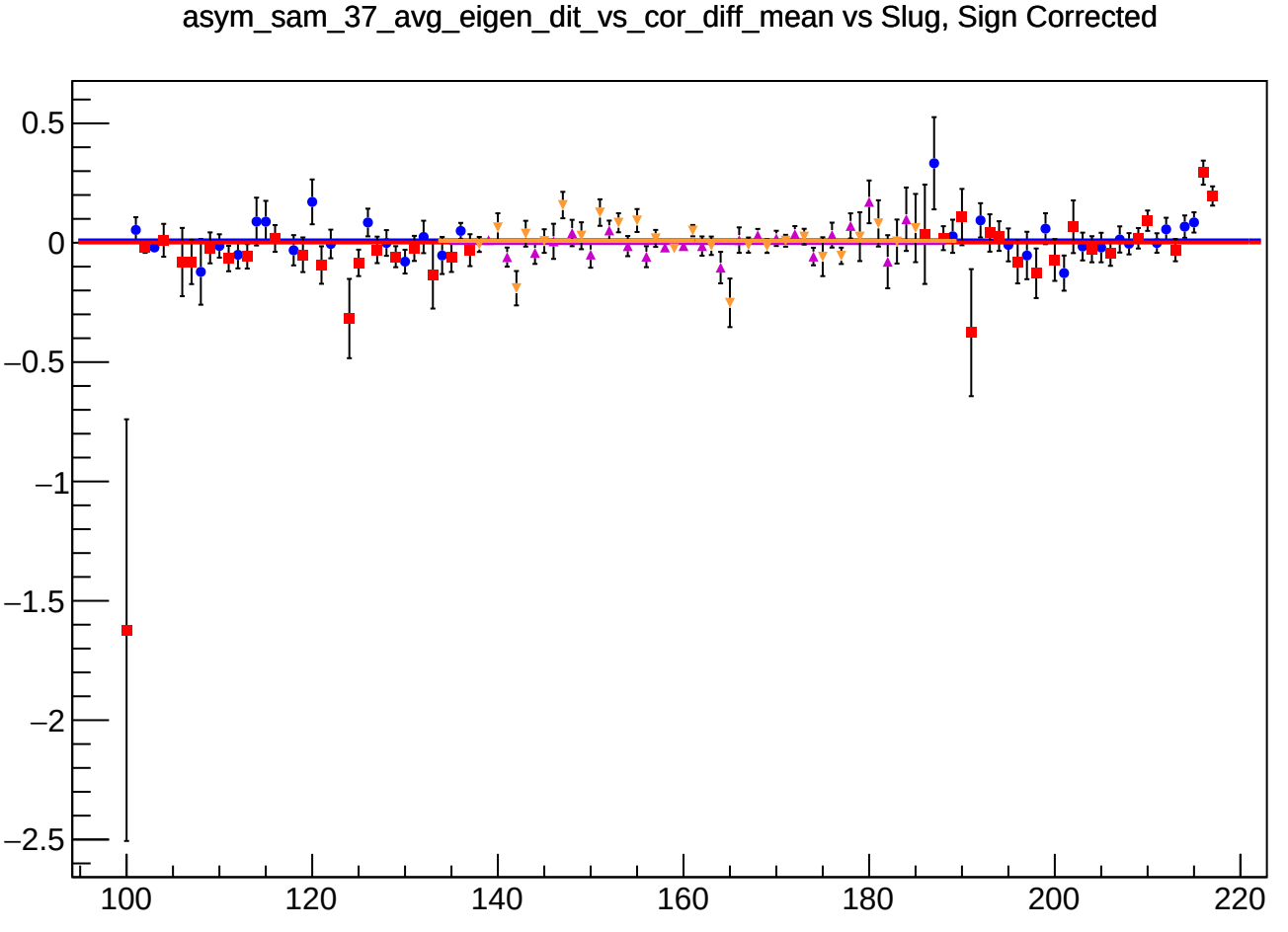
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 13285600.5/66

In: 0.002+/-0.000 χ^2/NDF:5216097.5/53

Out: 0.002+/-0.000 χ^2/NDF:10708851.1/60

All: 0.002+/-0.000 χ^2/NDF: 15993423.4/114



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: 0.001+/-0.010 χ^2/NDF: 90.9/35

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

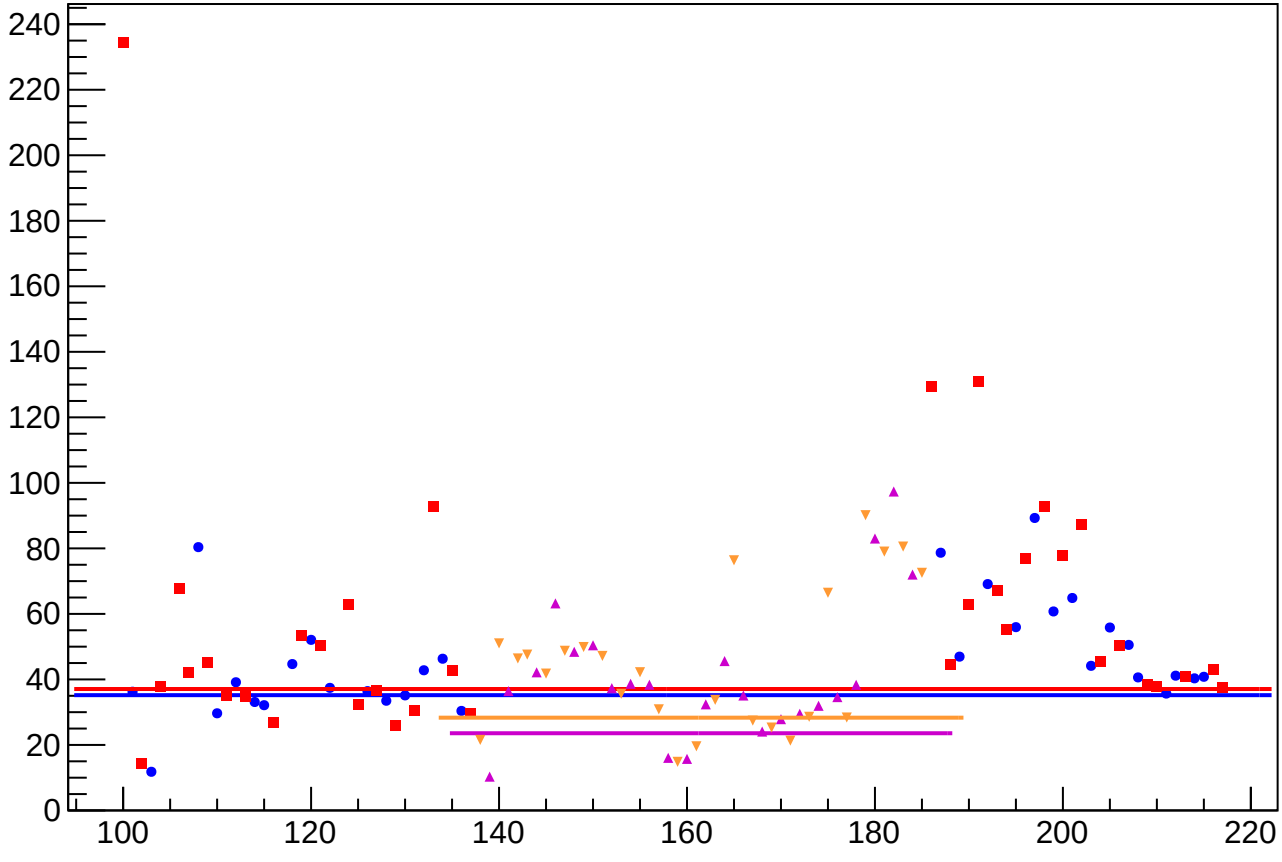
Right: 0.006+/-0.007 χ^2/NDF: 123.4/66

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: 0.005+/-0.006 χ^2/NDF:138.8/60

All: 0.004+/-0.004 χ^2/NDF: 197.1/114

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: 37.072+/-0.007 χ^2/NDF: 6560086.4/35

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

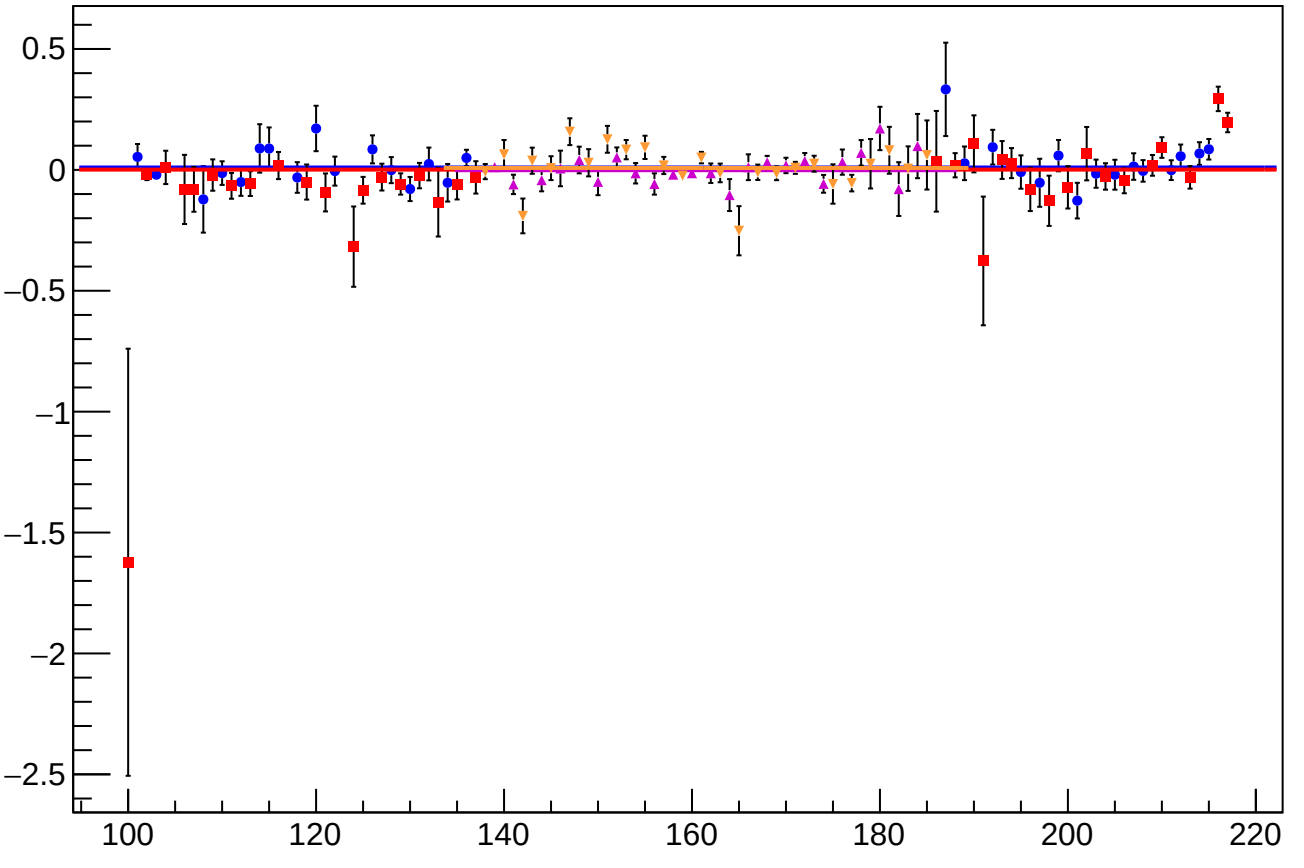
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.107+/-0.005 χ^2/NDF: 12473591.3/66

In: 27.609+/-0.004 χ^2/NDF:16165324.0/53

Out: 31.690+/-0.004 χ^2/NDF:14374291.1/60

All: 29.491+/-0.003 χ^2/NDF: 31047529.0/114



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: 0.001+/-0.010 χ^2/NDF: 90.9/35

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

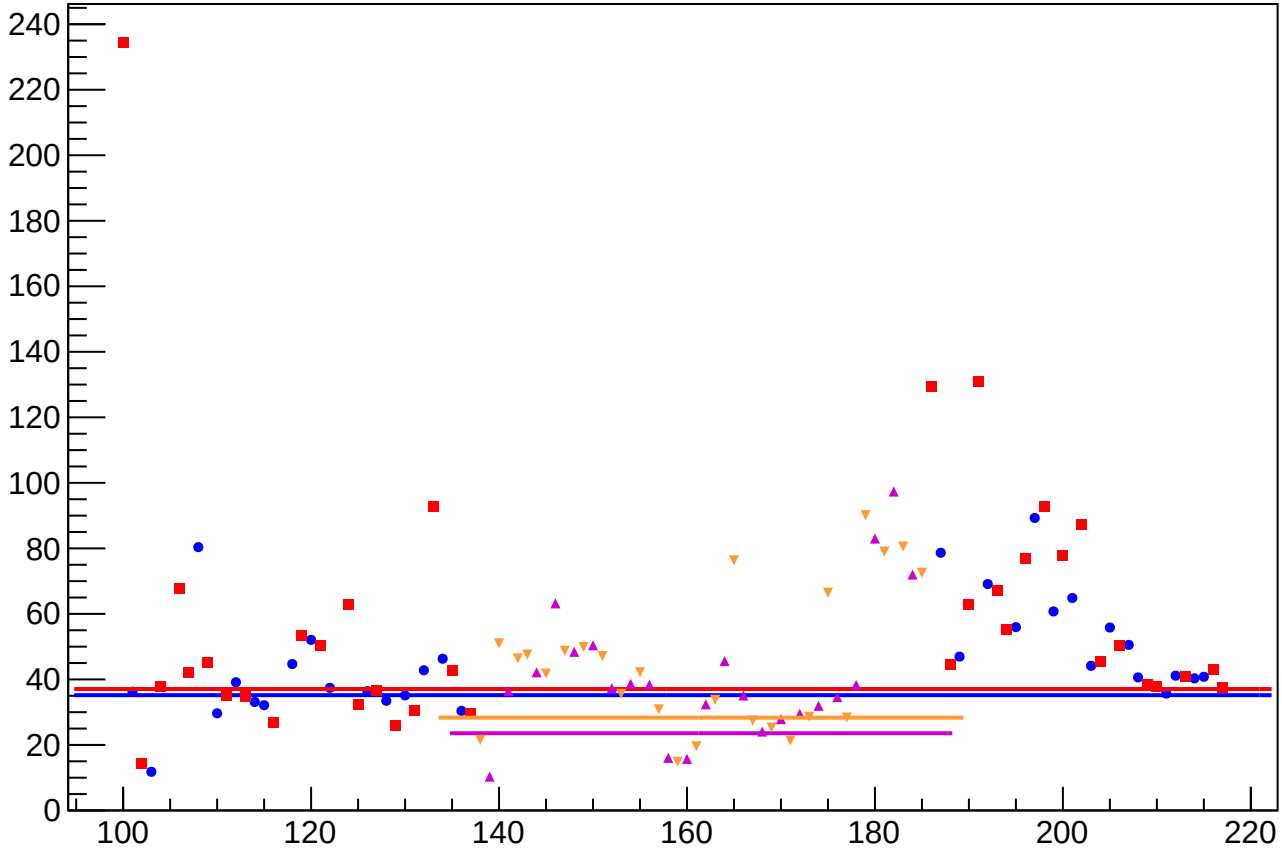
Right: 0.006+/-0.007 χ^2/NDF: 123.4/66

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: 0.005+/-0.006 χ^2/NDF:138.8/60

All: 0.004+/-0.004 χ^2/NDF: 197.1/114

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: 37.072+/-0.007 χ^2/NDF: 6560086.4/35

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

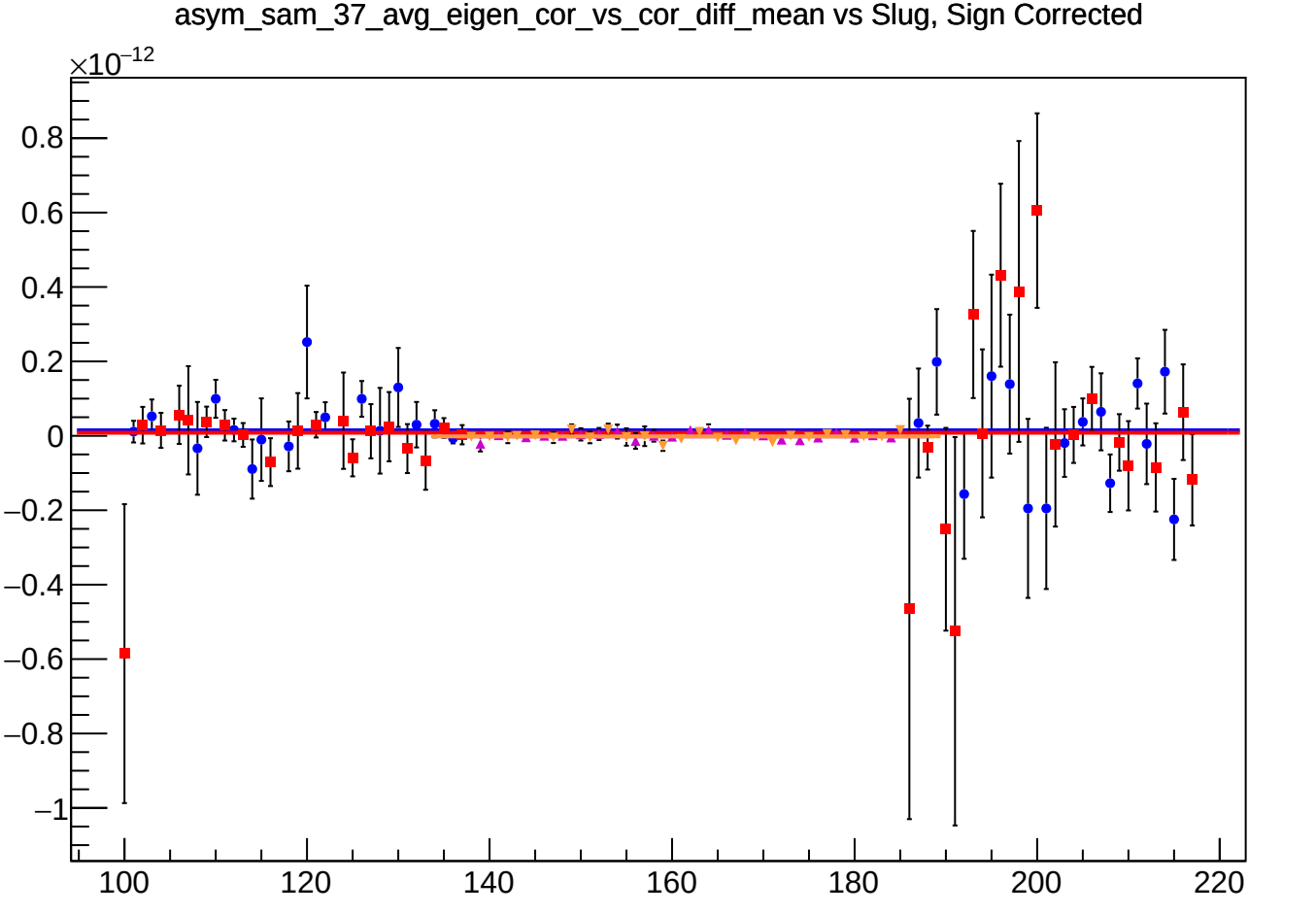
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.107+/-0.005 χ^2/NDF: 12473591.3/66

In: 27.609+/-0.004 χ^2/NDF:16165324.0/53

Out: 31.690+/-0.004 χ^2/NDF:14374291.1/60

All: 29.491+/-0.003 χ^2/NDF: 31047529.0/114



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: 26.9/35

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

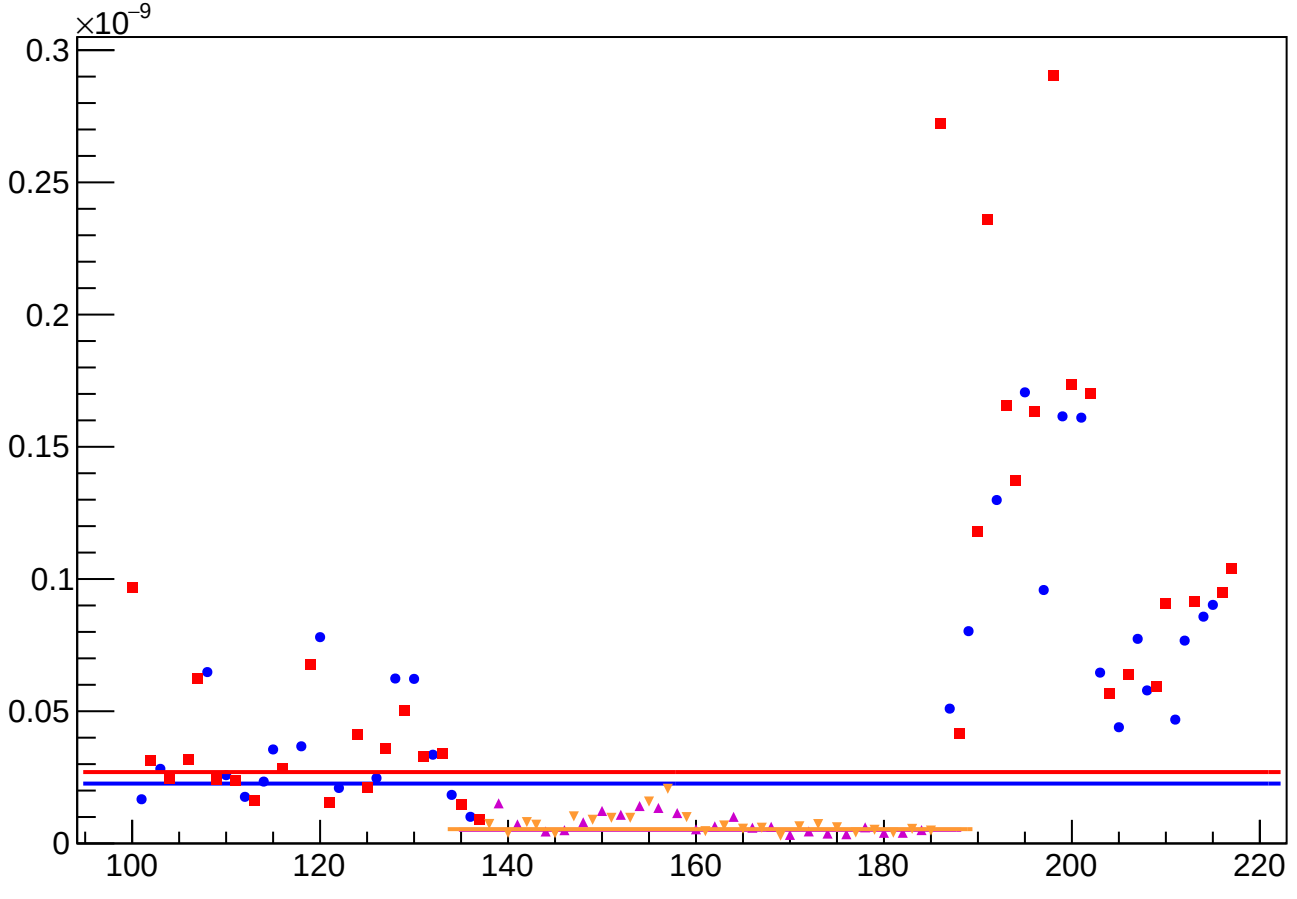
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.4/66

In: -0.000+/-0.000 χ^2/NDF:54.4/53

Out: -0.000+/-0.000 χ^2/NDF:45.3/60

All: -0.000+/-0.000 χ^2/NDF: 99.8/114



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: 11391991.7/35

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

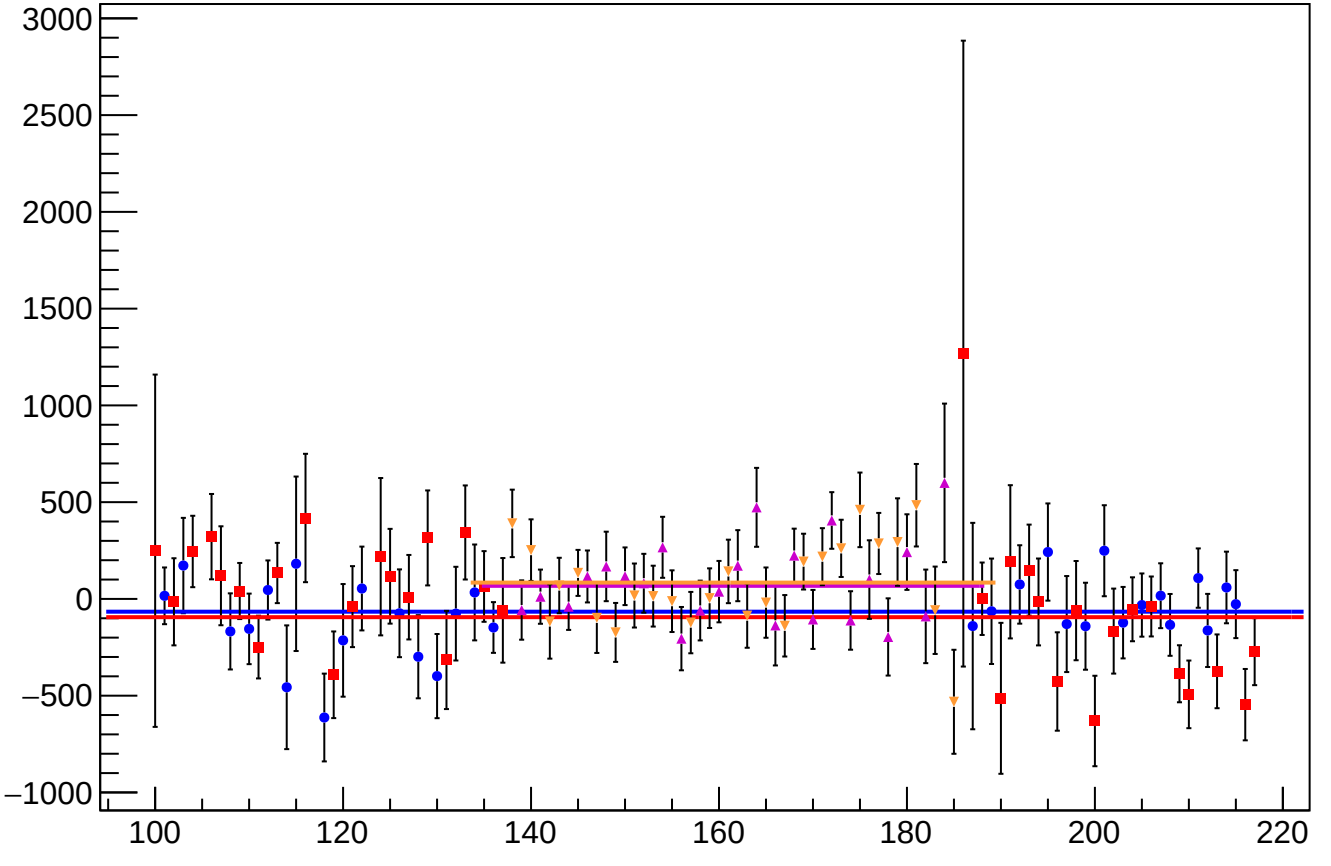
Right: 0.000+/-0.000 χ^2/NDF: 21995010.5/66

In: 0.000+/-0.000 χ^2/NDF:21149250.5/53

Out: 0.000+/-0.000 χ^2/NDF:23220368.2/60

All: 0.000+/-0.000 χ^2/NDF: 44388857.1/114

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -65.999+/-36.083 χ^2/NDF: 21.1/30

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -94.356+/-35.390 χ^2/NDF: 54.7/35

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

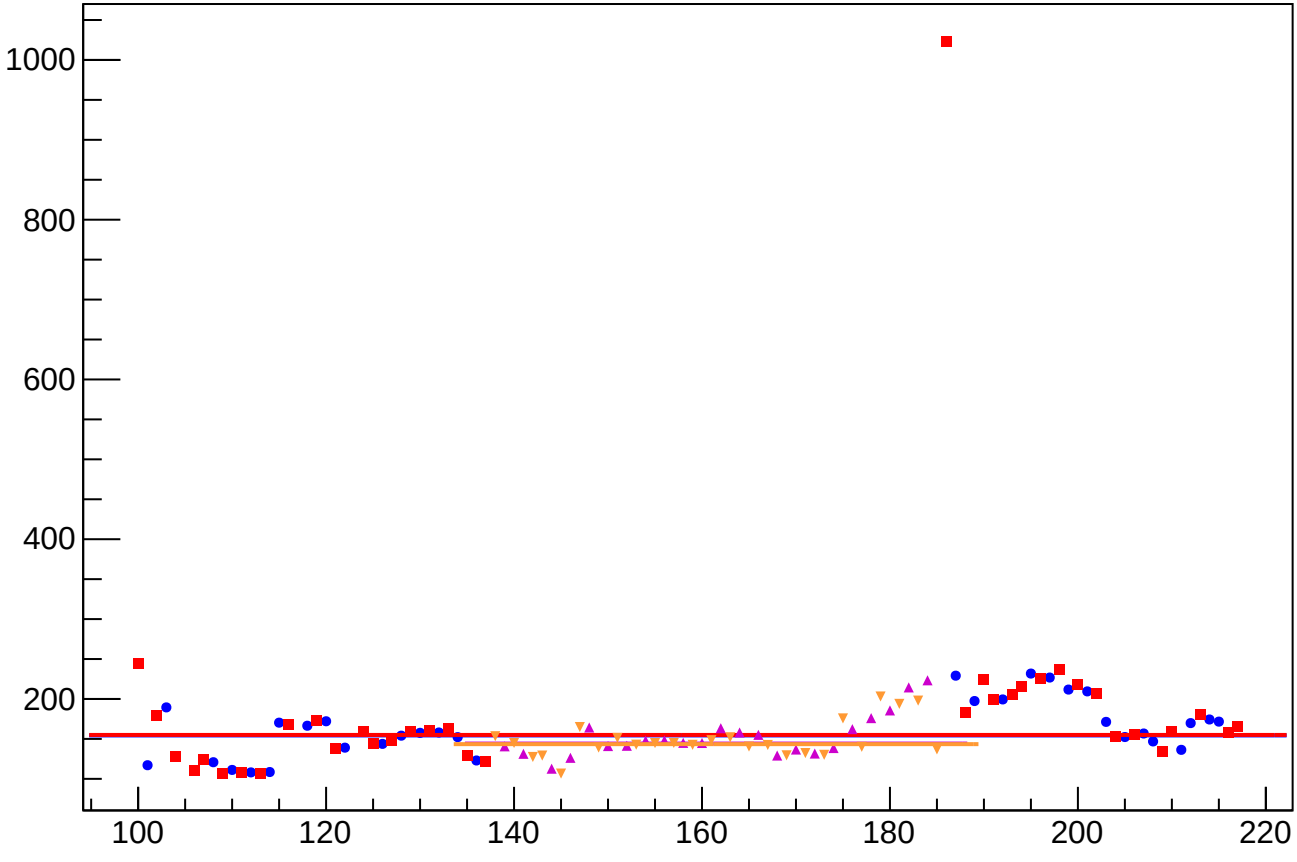
Right: -80.453+/-25.266 χ^2/NDF: 76.1/66

In: 4.524+/-24.798 χ^2/NDF:54.9/53

Out: 1.126+/-24.149 χ^2/NDF:102.1/60

All: 2.780+/-17.301 χ^2/NDF: 157.0/114

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 154.972+/-0.025 χ^2/NDF: 2525178.1/35

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

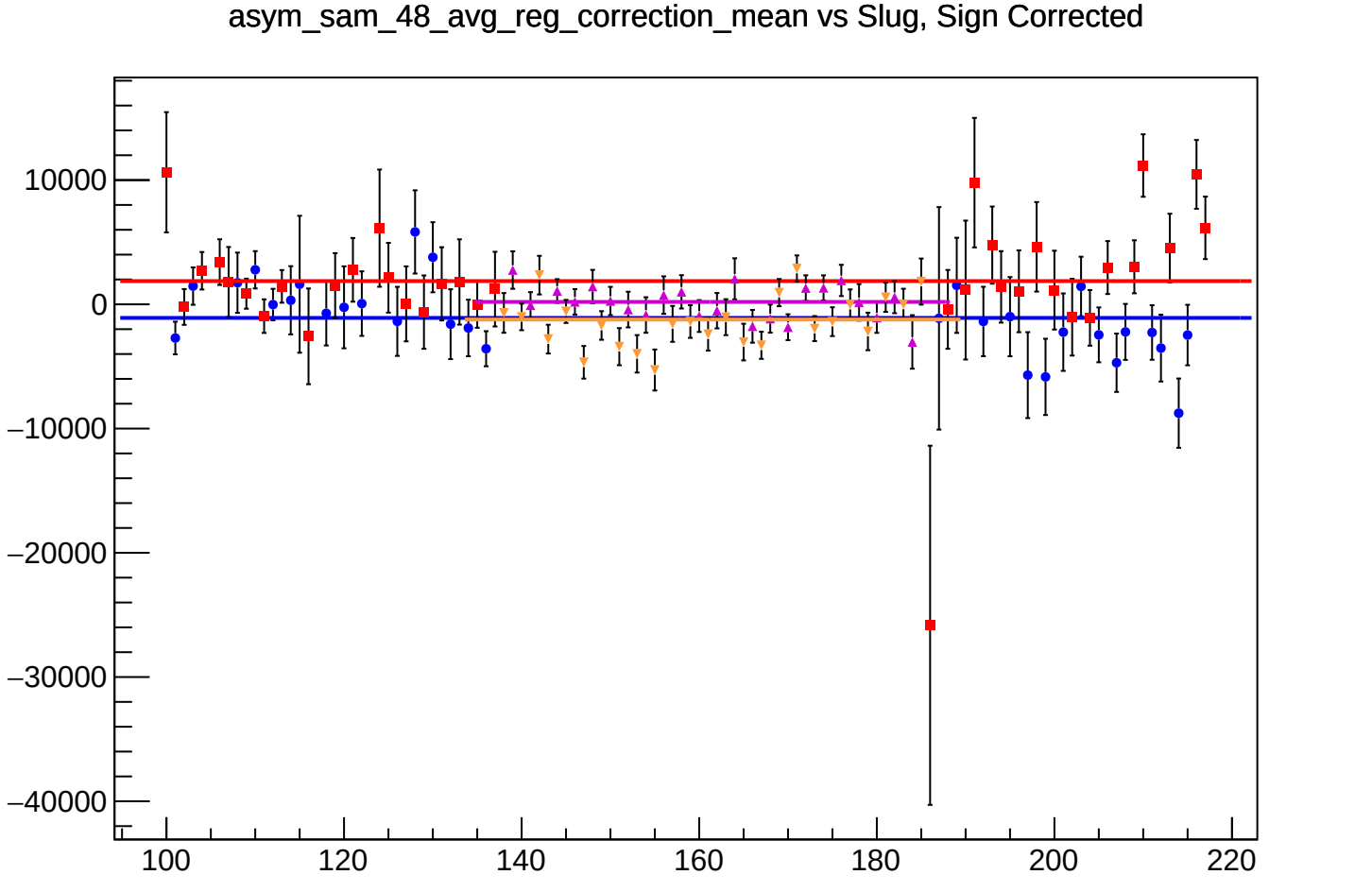
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 154.672+/-0.018 χ^2/NDF: 4131172.1/66

In: 148.983+/-0.018 χ^2/NDF:2392568.8/53

Out: 148.811+/-0.017 χ^2/NDF:3385627.1/60

All: 148.895+/-0.012 χ^2/NDF: 5778244.9/114



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: 1872.083+/-390.872 χ^2/NDF: 54.4/35

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

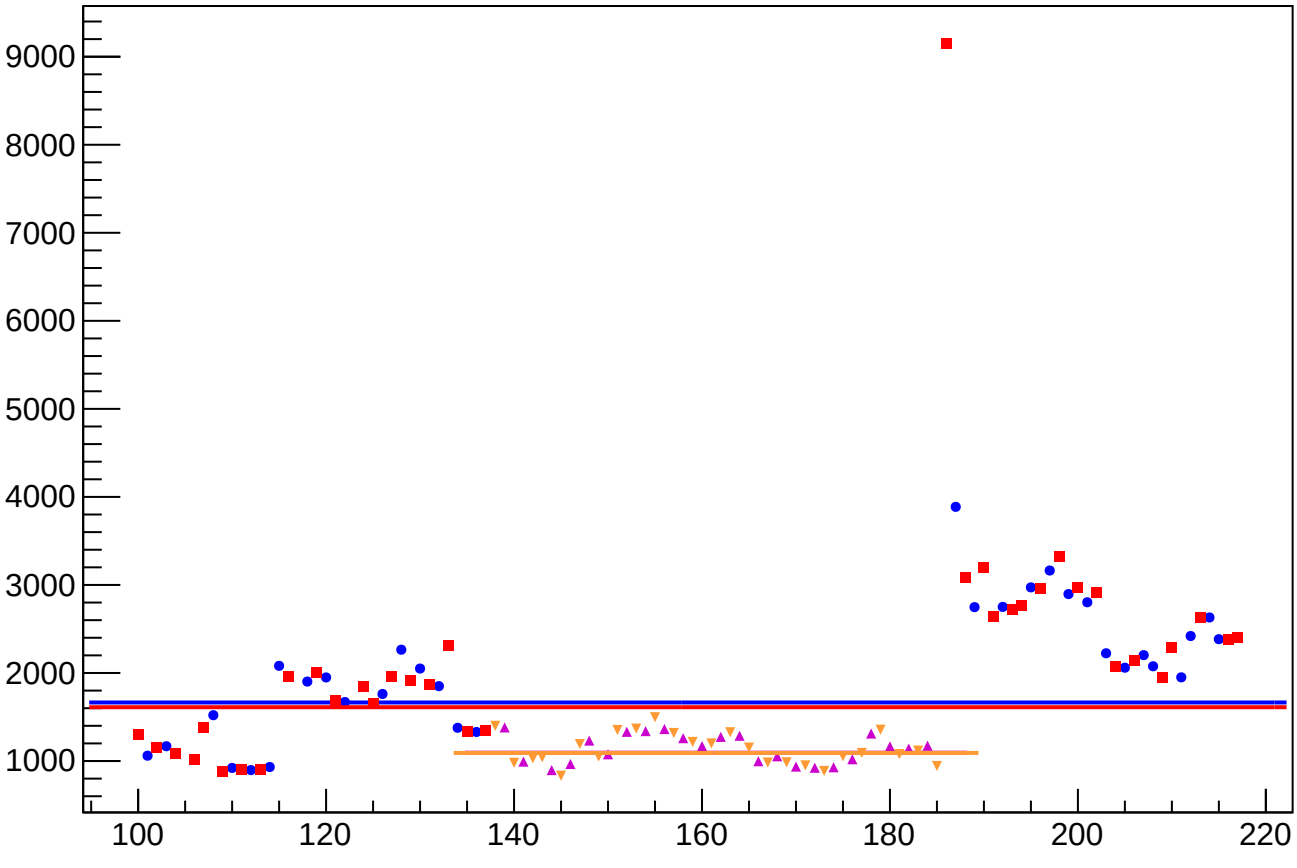
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 456.675+/-282.567 χ^2/NDF: 124.2/66

In: -174.341+/-218.763 χ^2/NDF:72.7/53

Out: -316.879+/-211.660 χ^2/NDF:158.1/60

All: -247.962+/-152.115 χ^2/NDF: 231.0/114



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: 1611.011+/-0.276 χ^2/NDF: 7143950.9/35

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

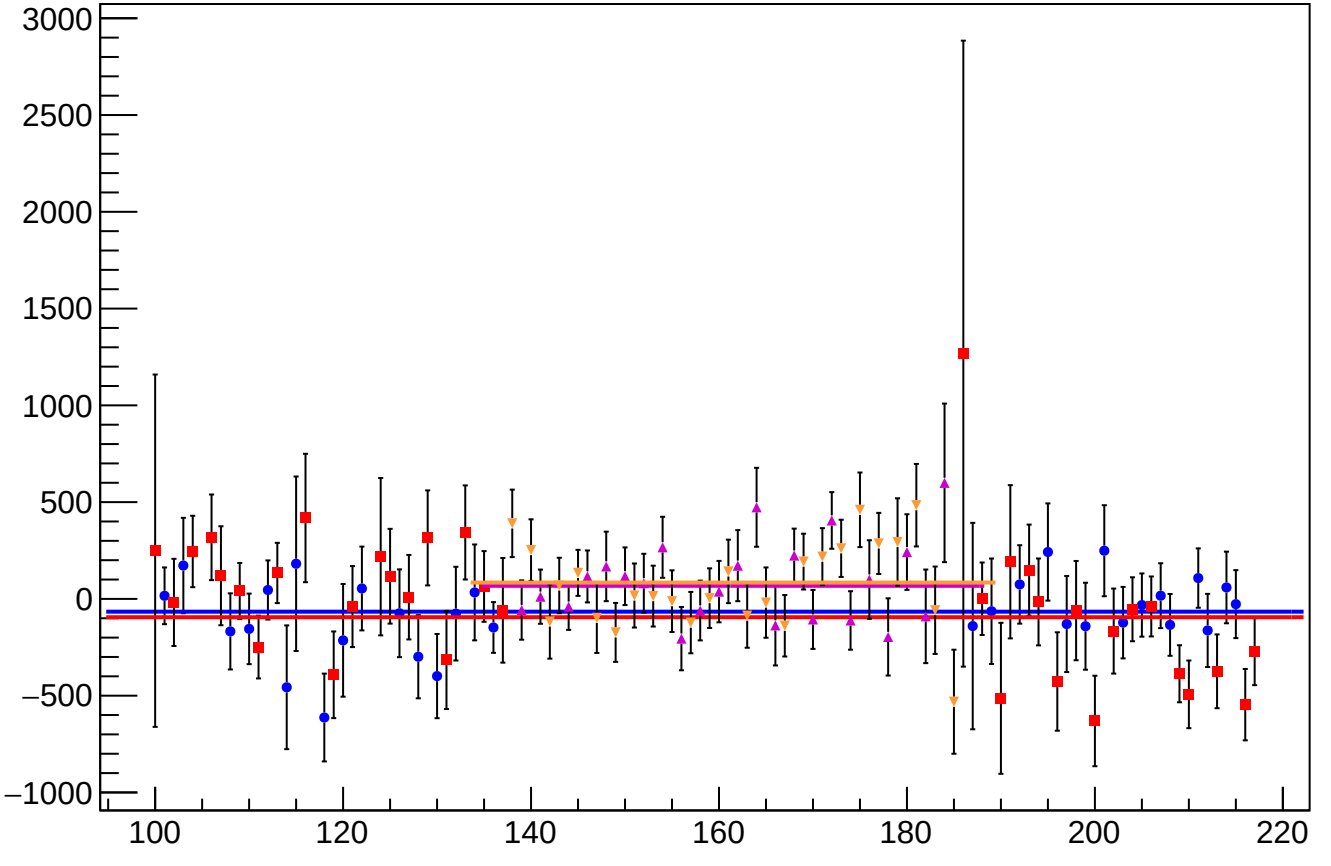
Right: 1636.793+/-0.200 χ^2/NDF: 12313297.4/66

In: 1257.733+/-0.155 χ^2/NDF:8662816.9/53

Out: 1244.175+/-0.150 χ^2/NDF:10528848.1/60

All: 1250.730+/-0.108 χ^2/NDF: 19195633.0/

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: -94.594+/-35.394 χ^2/NDF: 54.6/35

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

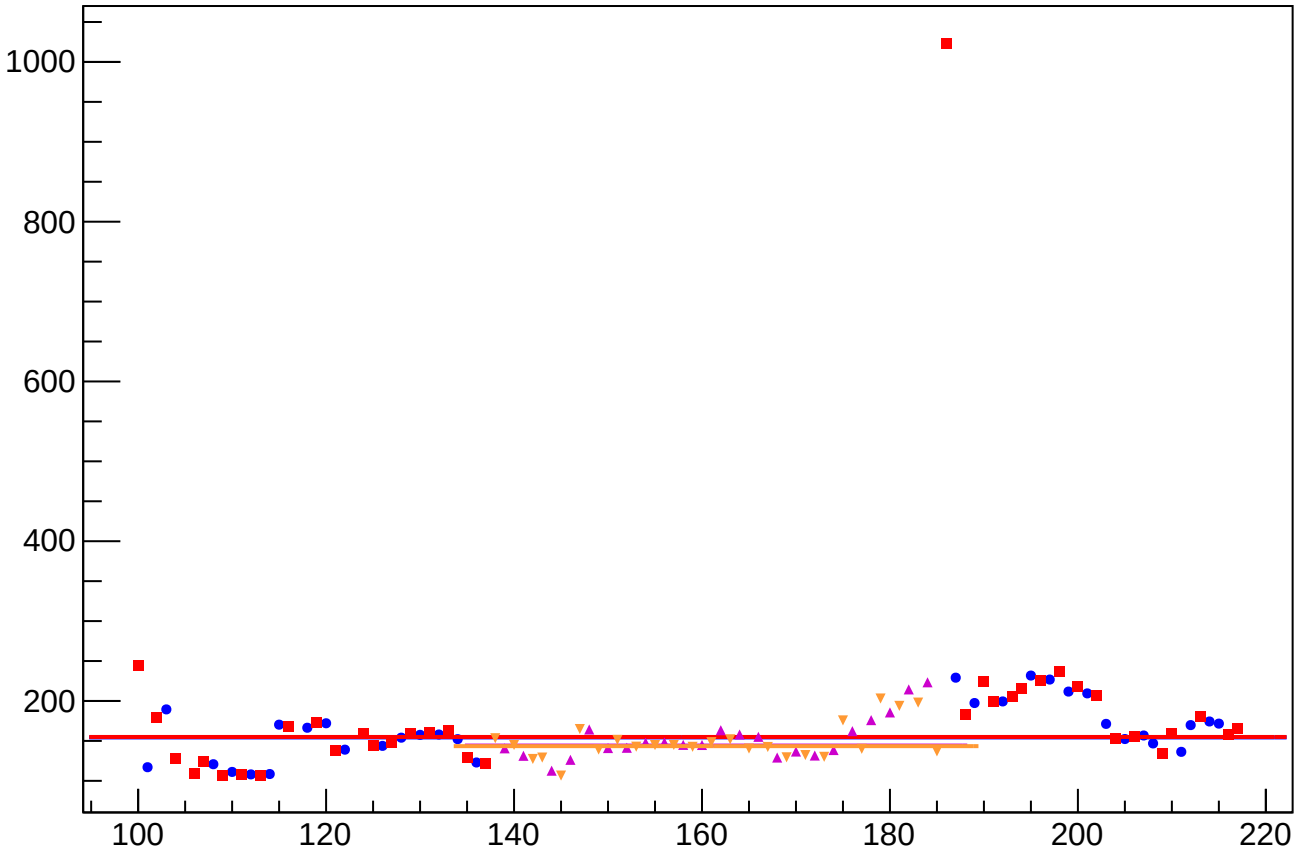
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -80.576+/-25.267 χ^2/NDF: 76.0/66

In: 4.522+/-24.798 χ^2/NDF:54.9/53

Out: 1.031+/-24.150 χ^2/NDF:102.1/60

All: 2.730+/-17.301 χ^2/NDF: 157.0/114



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: 154.940+/-0.025 χ^2/NDF: 2530723.2/35

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

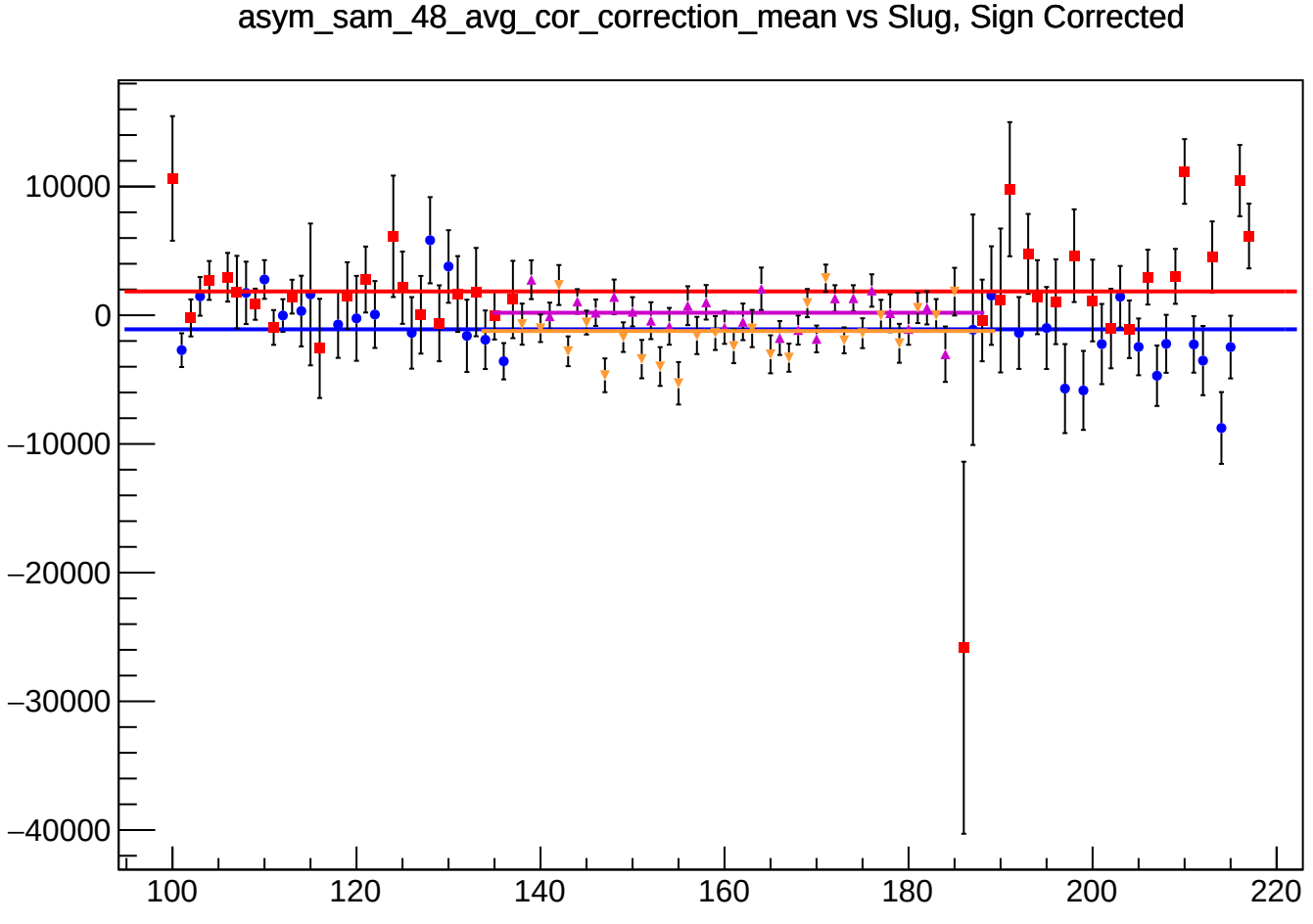
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 154.655+/-0.018 χ^2/NDF: 4136689.1/66

In: 148.983+/-0.018 χ^2/NDF:2392571.4/53

Out: 148.796+/-0.017 χ^2/NDF:3390525.6/60

All: 148.887+/-0.012 χ^2/NDF: 5783155.4/114



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: 1849.581+/-391.408 χ^2/NDF: 54.0/35

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

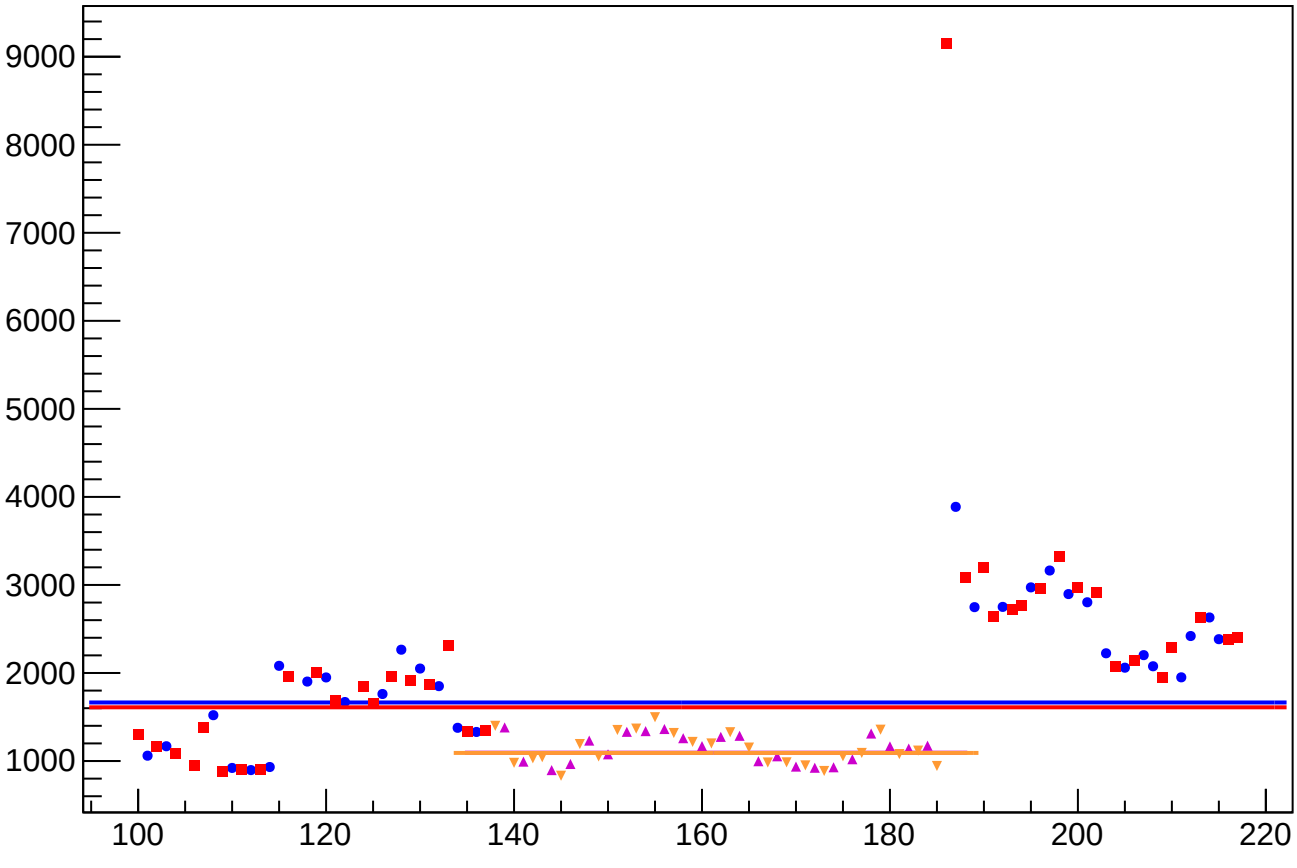
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 442.886+/-282.771 χ^2/NDF: 123.4/66

In: -174.351+/-218.764 χ^2/NDF:72.7/53

Out: -325.211+/-211.745 χ^2/NDF:157.0/60

All: -252.240+/-152.147 χ^2/NDF: 229.9/114



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: 1610.038+/-0.277 χ^2/NDF: 7174031.6/35

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

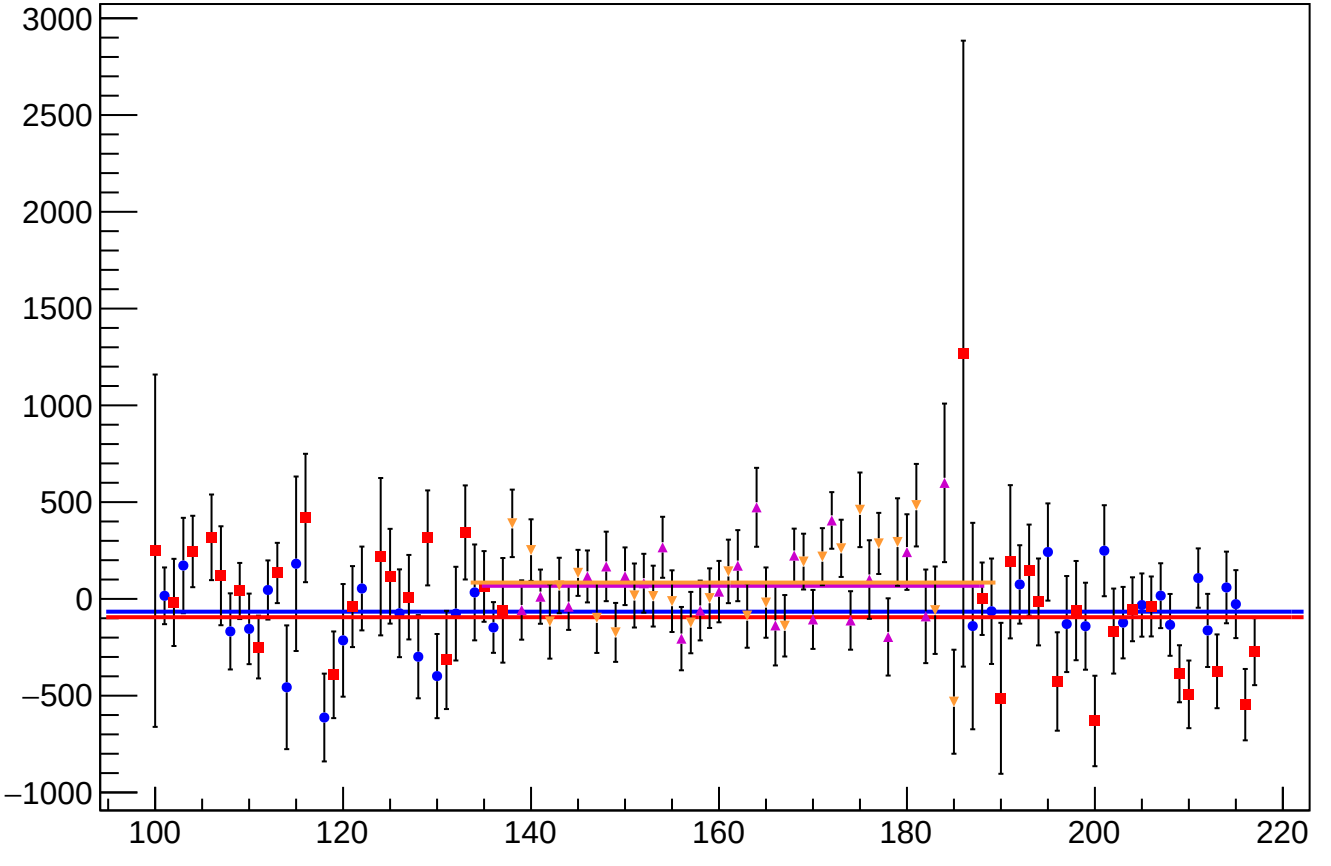
Right: 1636.329+/-0.200 χ^2/NDF: 12343897.6/66

In: 1257.736+/-0.155 χ^2/NDF:8662797.5/53

Out: 1243.595+/-0.150 χ^2/NDF:10544781.9/60

All: 1250.435+/-0.108 χ^2/NDF: 19211893.9/1

eigen_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: -94.594+/-35.394 χ^2/NDF: 54.6/35

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

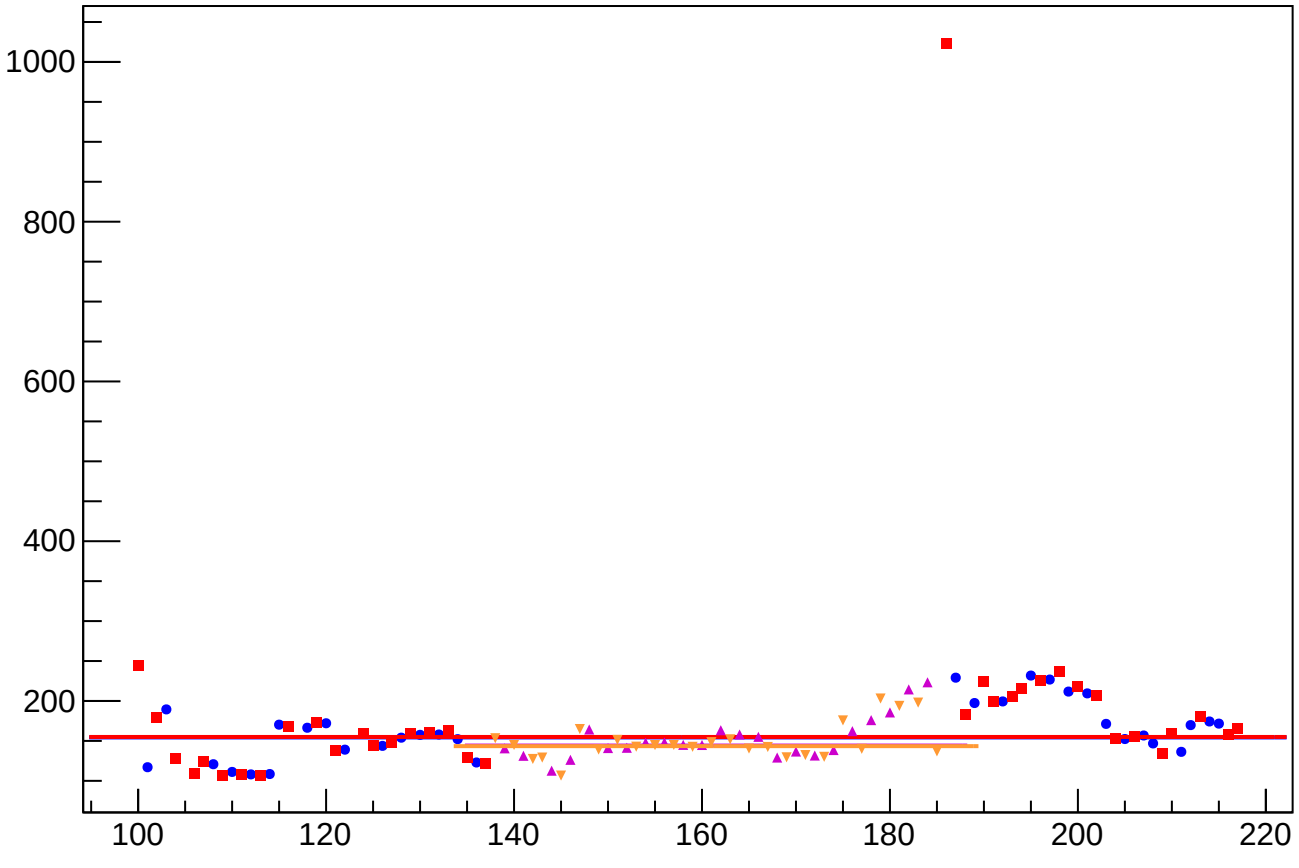
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -80.576+/-25.267 χ^2/NDF: 76.0/66

In: 4.522+/-24.798 χ^2/NDF:54.9/53

Out: 1.031+/-24.150 χ^2/NDF:102.1/60

All: 2.730+/-17.301 χ^2/NDF: 157.0/114



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: 154.940+/-0.025 χ^2/NDF: 2530723.2/35

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

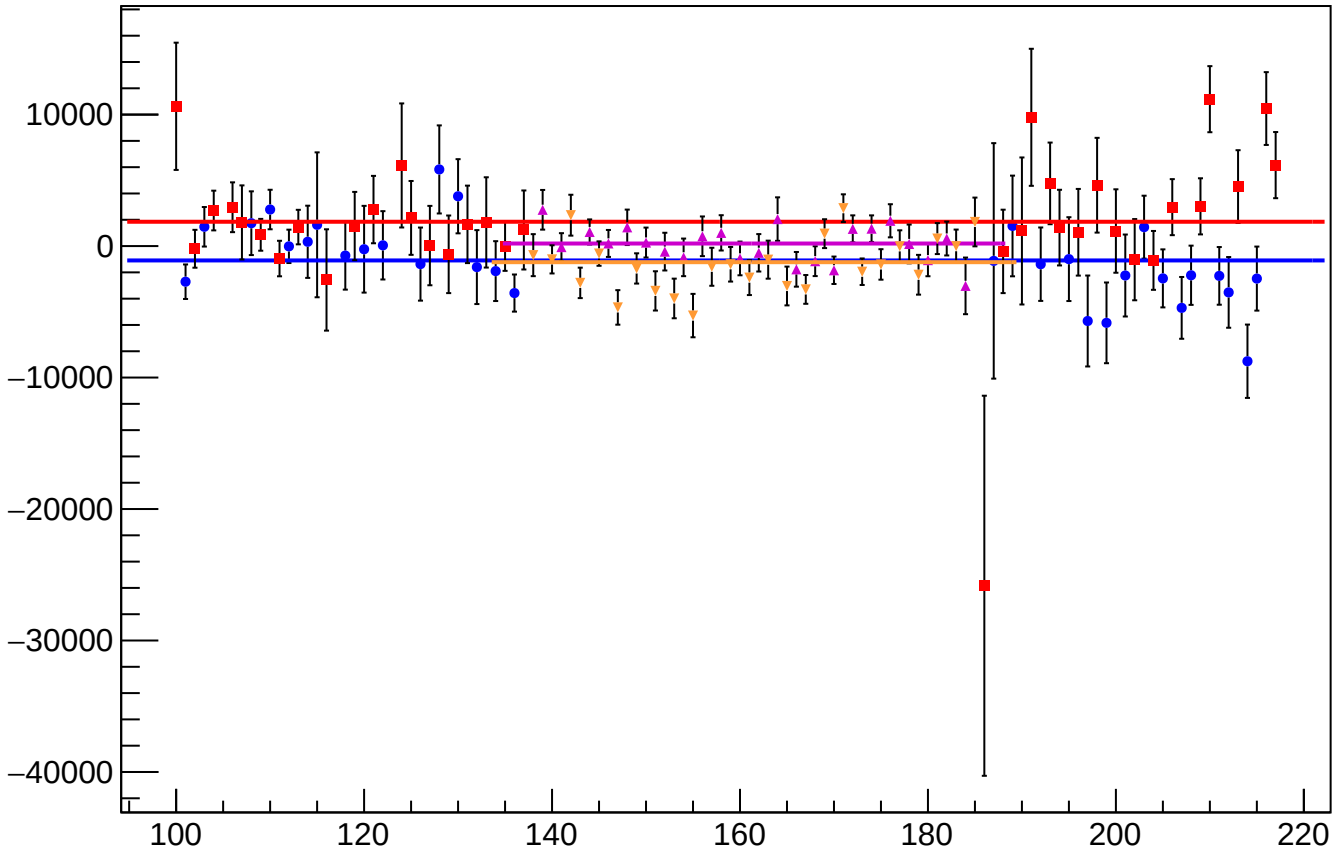
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 154.655+/-0.018 χ^2/NDF: 4136689.1/66

In: 148.983+/-0.018 χ^2/NDF:2392571.4/53

Out: 148.796+/-0.017 χ^2/NDF:3390525.6/60

All: 148.887+/-0.012 χ^2/NDF: 5783155.4/114



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: 1849.581+/-391.408 χ^2/NDF: 54.0/35

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

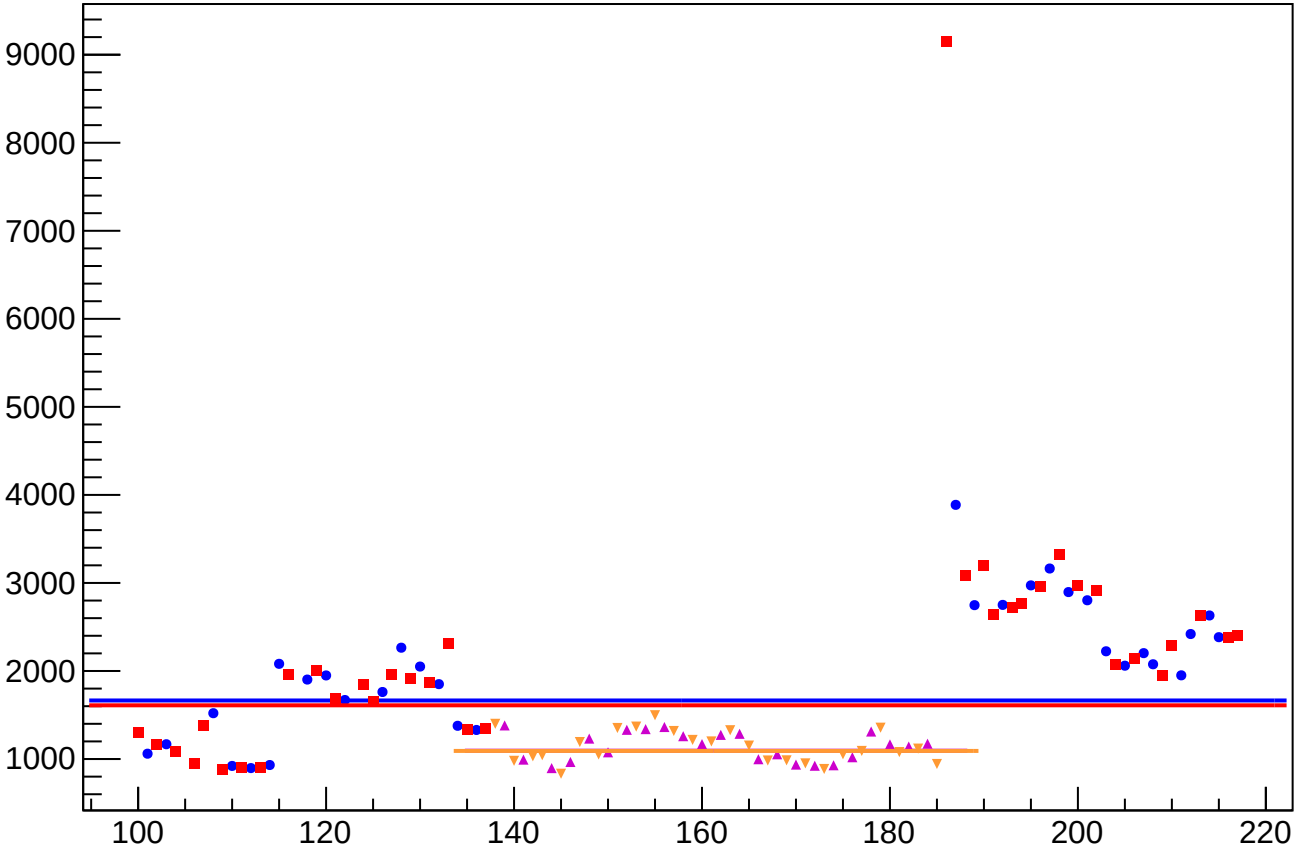
Right: 442.886+/-282.771 χ^2/NDF: 123.4/66

In: -174.351+/-218.764 χ^2/NDF:72.7/53

Out: -325.211+/-211.745 χ^2/NDF:157.0/60

All: -252.240+/-152.147 χ^2/NDF: 229.9/114

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: 1610.038+/-0.277 χ^2/NDF: 7174031.6/35

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

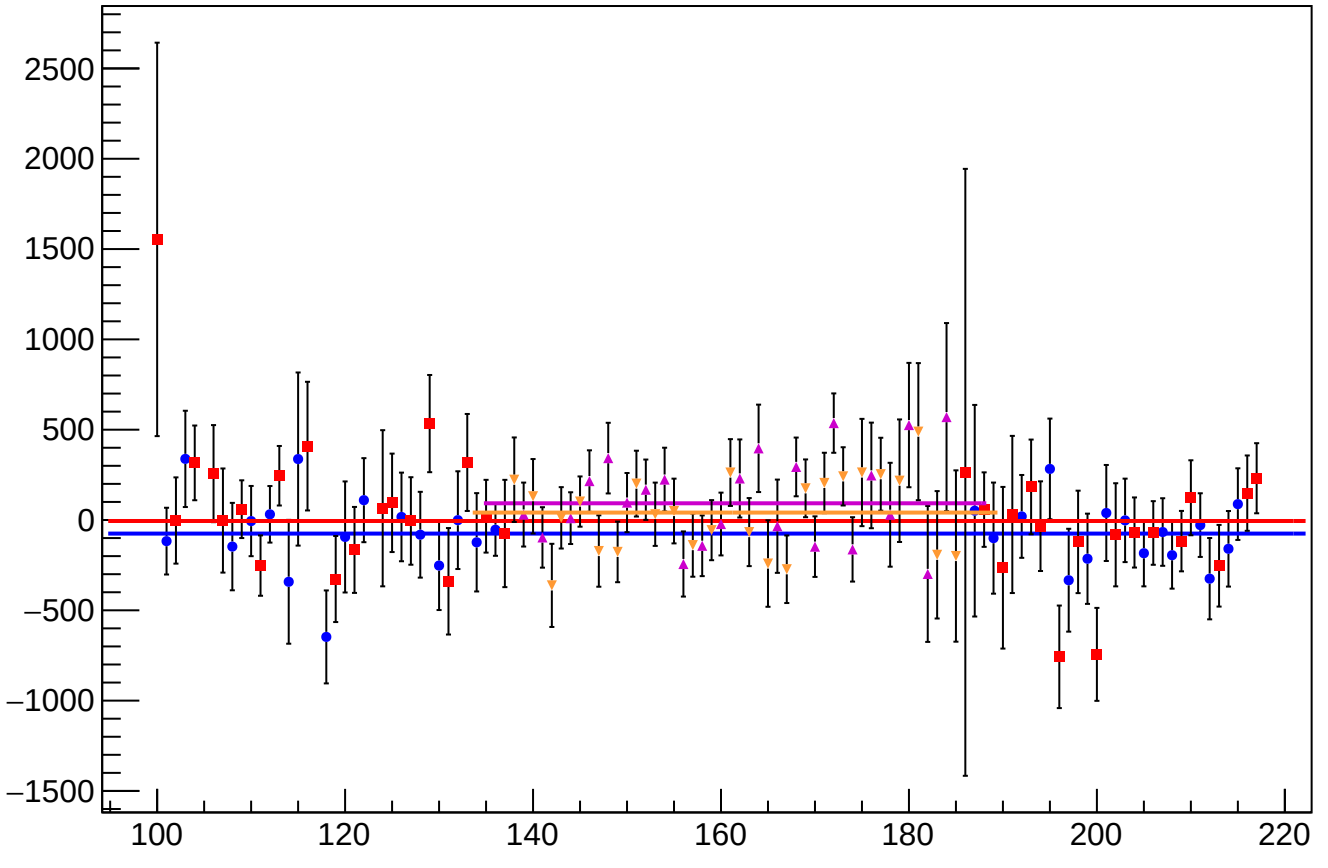
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1636.329+/-0.200 χ^2/NDF: 12343897.6/66

In: 1257.736+/-0.155 χ^2/NDF:8662797.5/53

Out: 1243.595+/-0.150 χ^2/NDF:10544781.9/60

All: 1250.435+/-0.108 χ^2/NDF: 19211893.9/1



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: -5.481+/-39.599 χ^2/NDF: 41.5/35

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

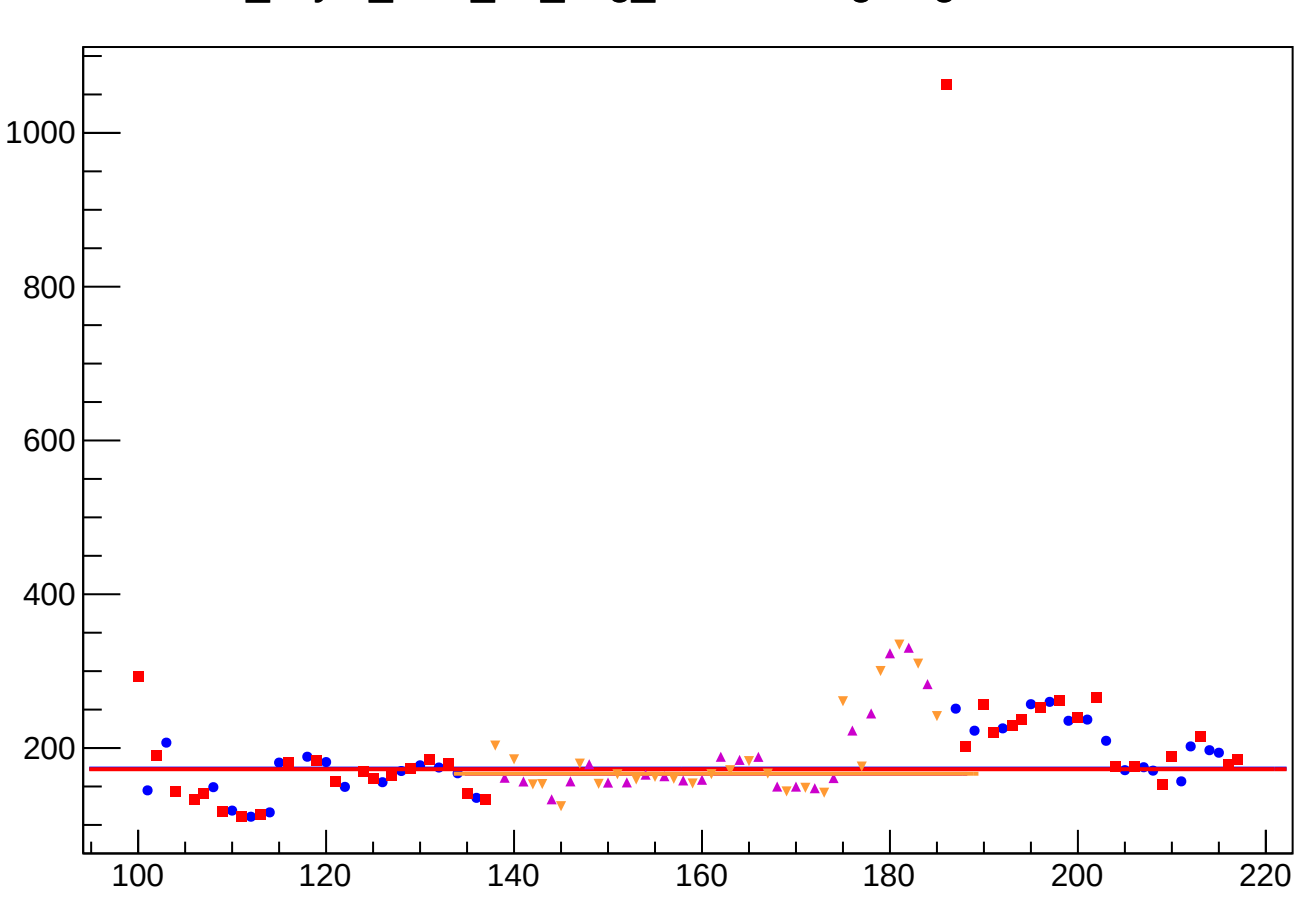
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -39.433+/-28.368 χ^2/NDF: 60.1/66

In: 9.690+/-28.574 χ^2/NDF:55.2/53

Out: 18.052+/-27.850 χ^2/NDF:64.5/60

All: 13.978+/-19.944 χ^2/NDF: 119.7/114



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: 172.460+/-0.028 χ^2/NDF: 2769028.7/35

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

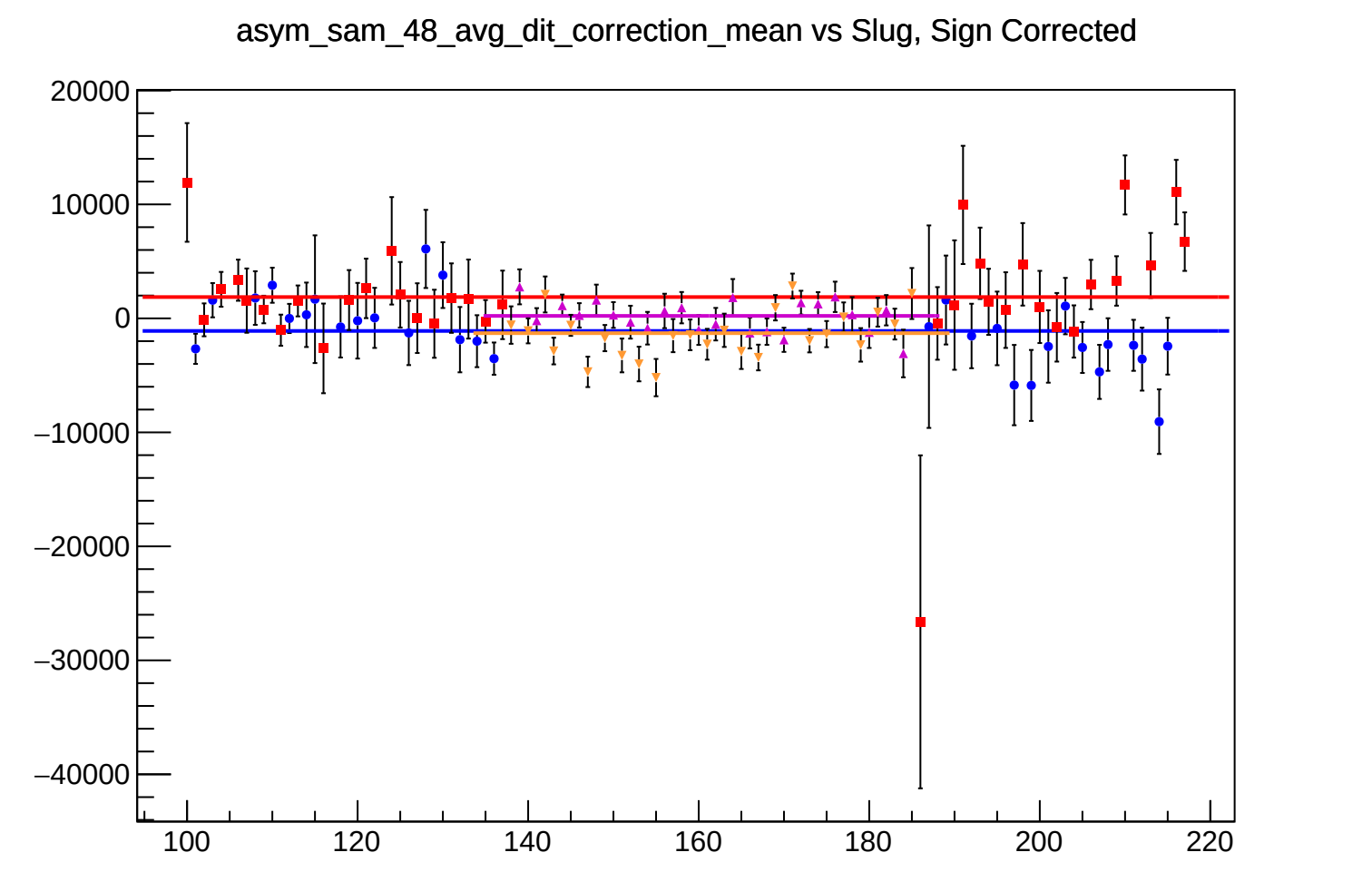
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 172.843+/-0.020 χ^2/NDF: 4527076.5/66

In: 169.735+/-0.020 χ^2/NDF:3179611.9/53

Out: 169.498+/-0.020 χ^2/NDF:4511007.2/60

All: 169.613+/-0.014 χ^2/NDF: 7690690.0/114



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: 1870.241+/-395.046 χ^2/NDF: 57.7/35

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

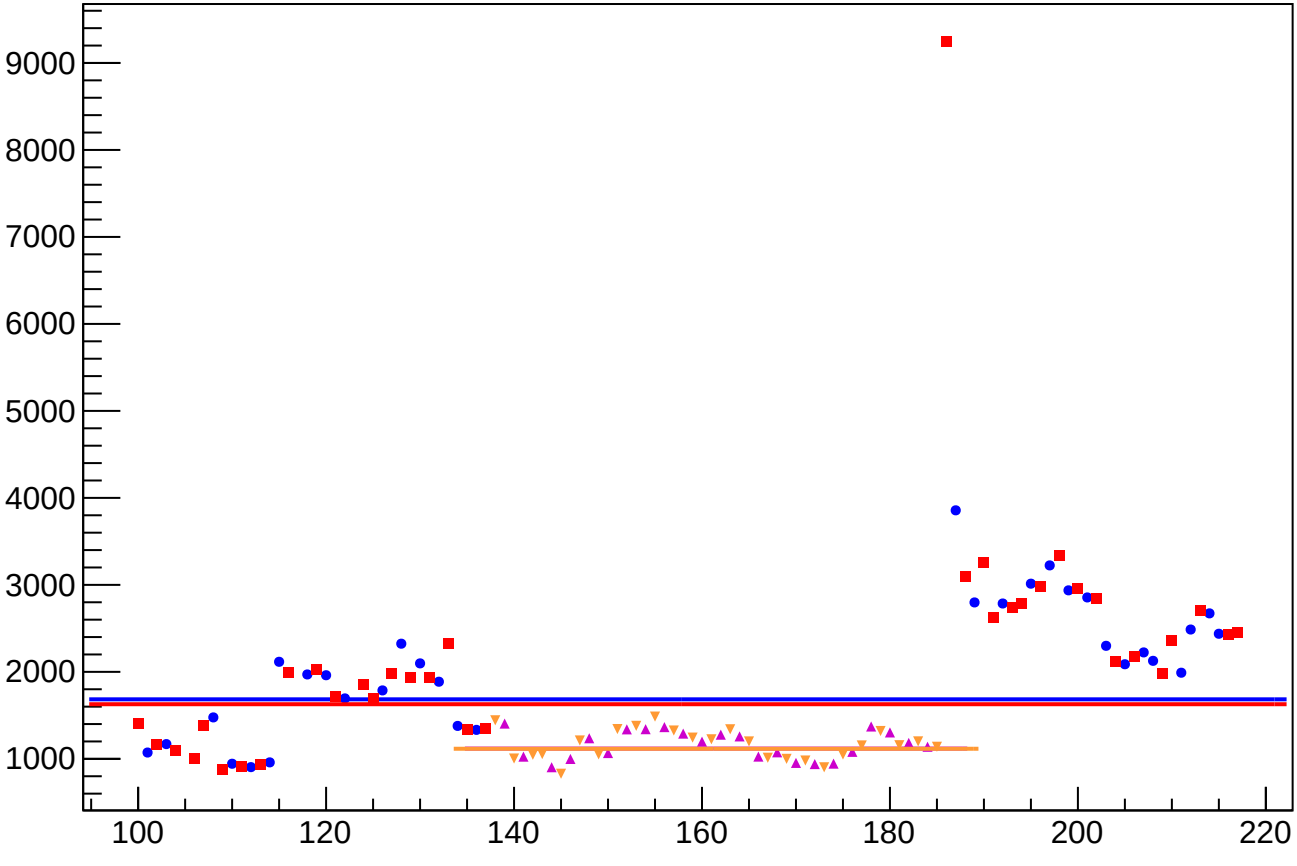
Right: 453.741+/-285.851 χ^2/NDF: 127.5/66

In: -165.001+/-222.848 χ^2/NDF:72.3/53

Out: -356.293+/-215.402 χ^2/NDF:158.0/60

All: -263.896+/-154.878 χ^2/NDF: 230.7/114

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: 1627.992+/-0.279 χ^2/NDF: 7175751.2/35

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

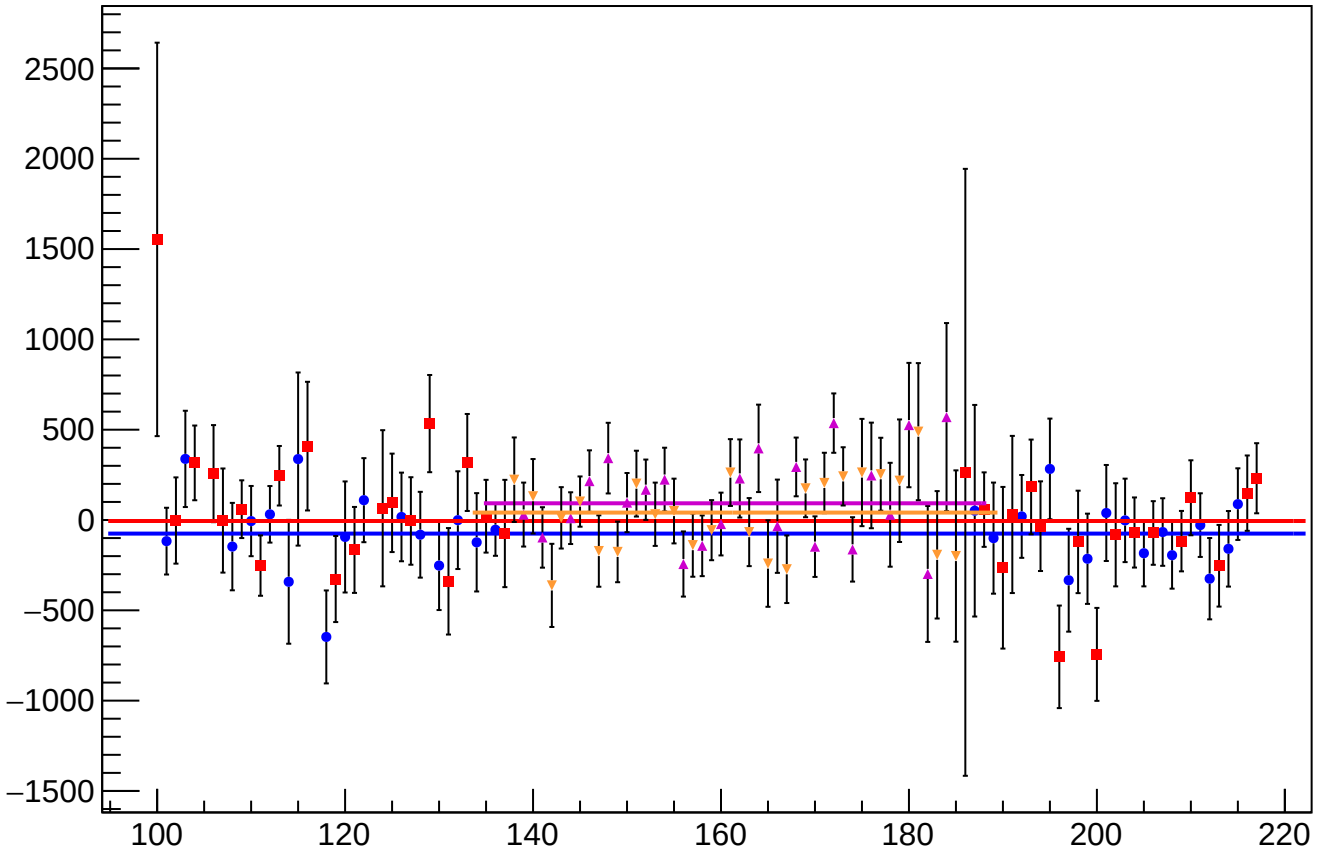
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1654.816+/-0.202 χ^2/NDF: 12441349.7/66

In: 1281.852+/-0.158 χ^2/NDF:8634007.0/53

Out: 1268.243+/-0.152 χ^2/NDF:10403554.8/60

All: 1274.816+/-0.110 χ^2/NDF: 19041417.8/1



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: -5.484+/-39.599 χ^2/NDF: 41.5/35

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

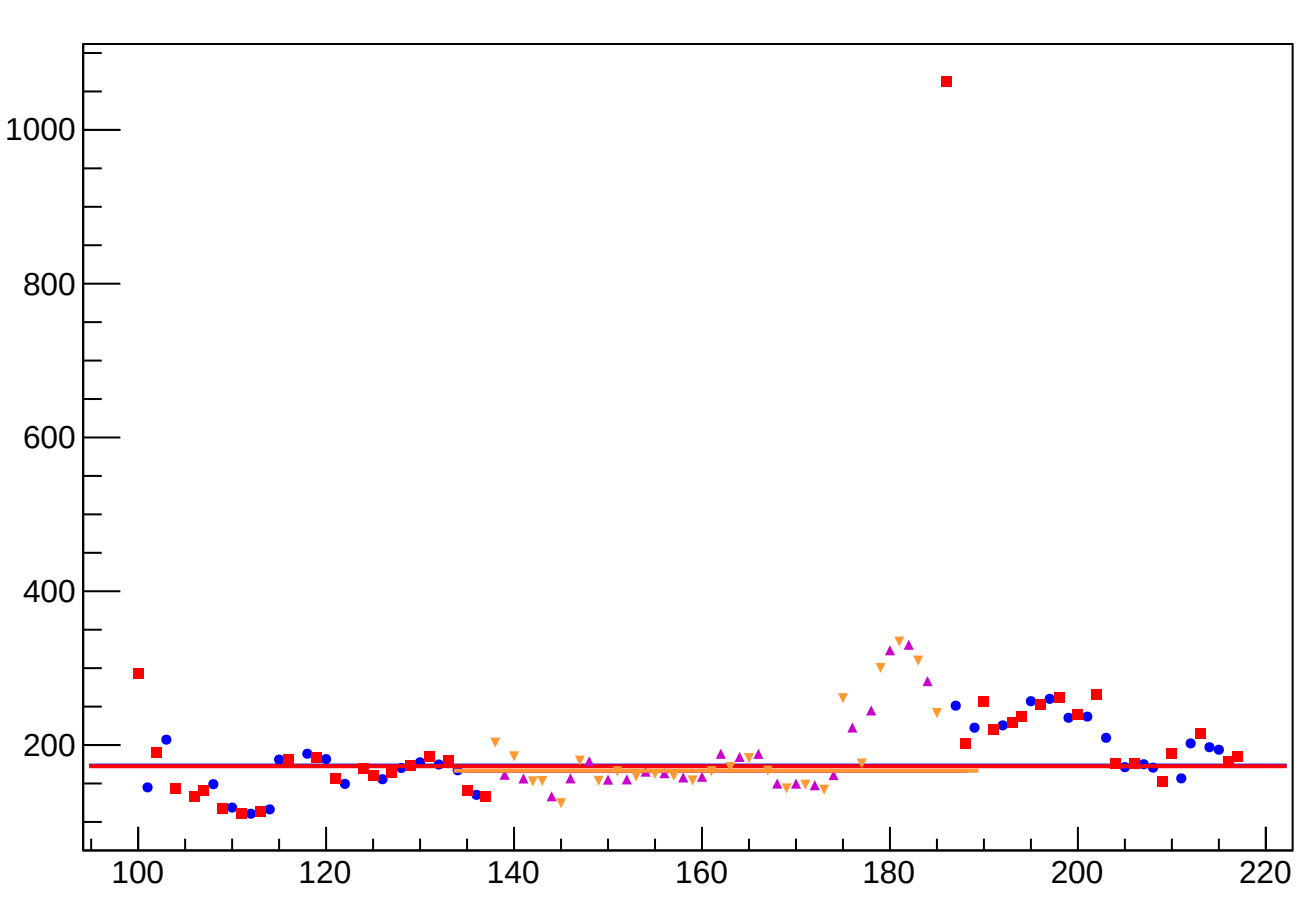
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -39.432+/-28.368 χ^2/NDF: 60.1/66

In: 9.692+/-28.574 χ^2/NDF:55.2/53

Out: 18.052+/-27.850 χ^2/NDF:64.5/60

All: 13.979+/-19.944 χ^2/NDF: 119.7/114



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: 172.460+/-0.028 χ^2/NDF: 2769030.6/35

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

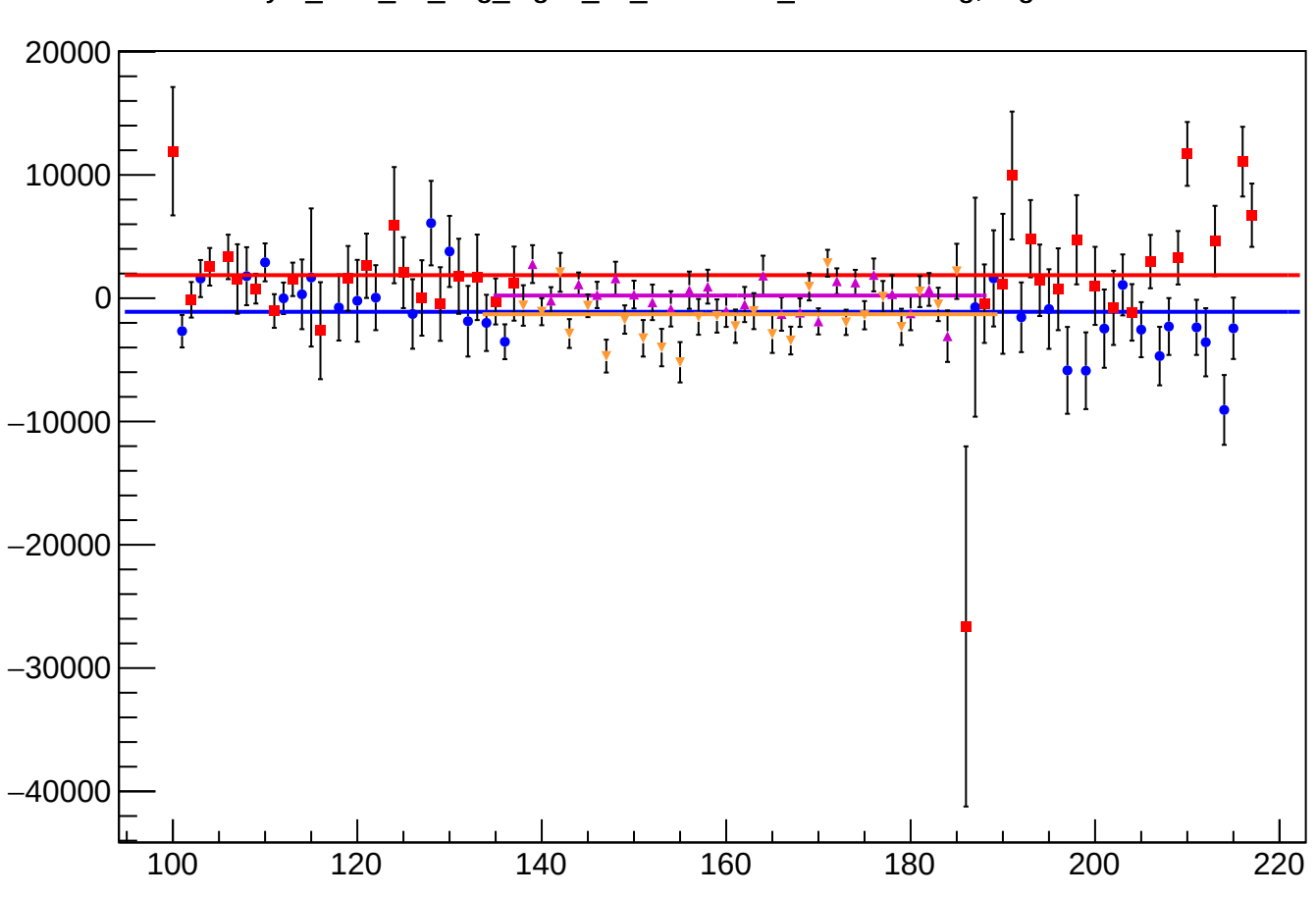
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 172.843+/-0.020 χ^2/NDF: 4527058.6/66

In: 169.735+/-0.020 χ^2/NDF:3179569.0/53

Out: 169.498+/-0.020 χ^2/NDF:4511000.4/60

All: 169.614+/-0.014 χ^2/NDF: 7690640.3/114



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: 1870.237+/-395.046 χ^2/NDF: 57.7/35

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

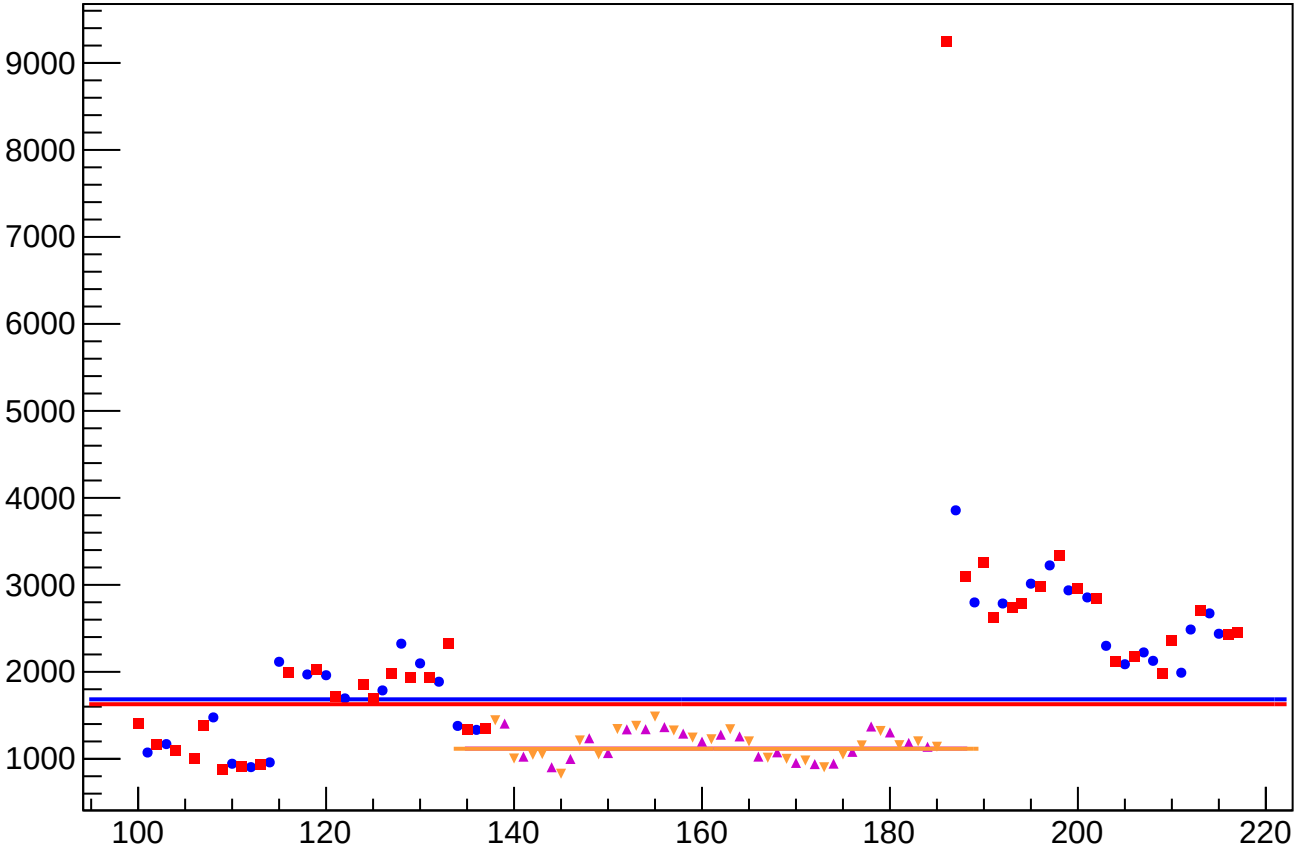
Right: 453.740+/-285.851 χ^2/NDF: 127.5/66

In: -165.001+/-222.847 χ^2/NDF:72.3/53

Out: -356.293+/-215.402 χ^2/NDF:158.0/60

All: -263.896+/-154.877 χ^2/NDF: 230.7/114

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: 1627.990+/-0.279 χ^2/NDF: 7175752.4/35

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

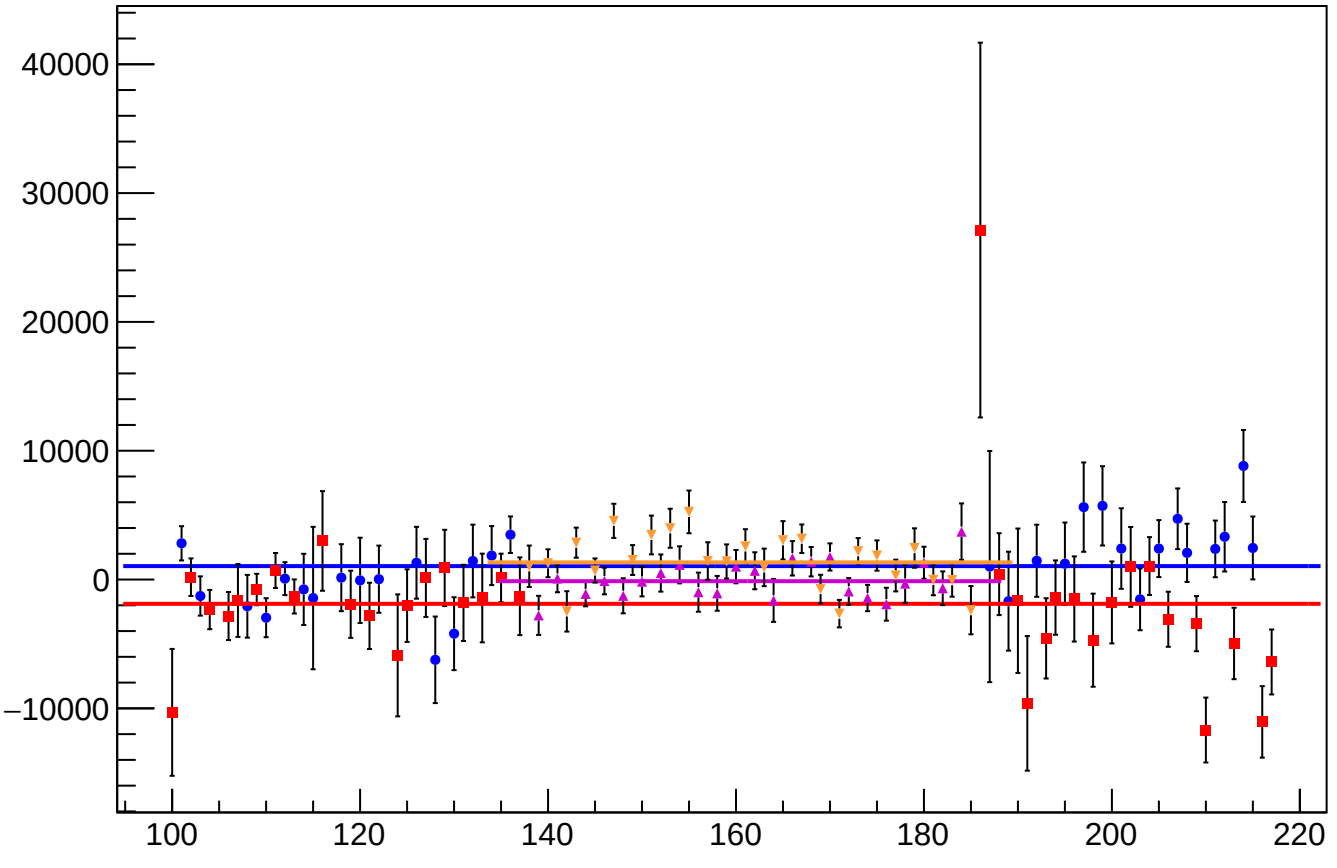
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1654.814+/-0.202 χ^2/NDF: 12441352.2/66

In: 1281.850+/-0.158 χ^2/NDF:8634015.6/53

Out: 1268.241+/-0.152 χ^2/NDF:10403566.8/60

All: 1274.814+/-0.110 χ^2/NDF: 19041438.4/1



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: -1884.315+/-393.279 χ^2/NDF: 56.8/35

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

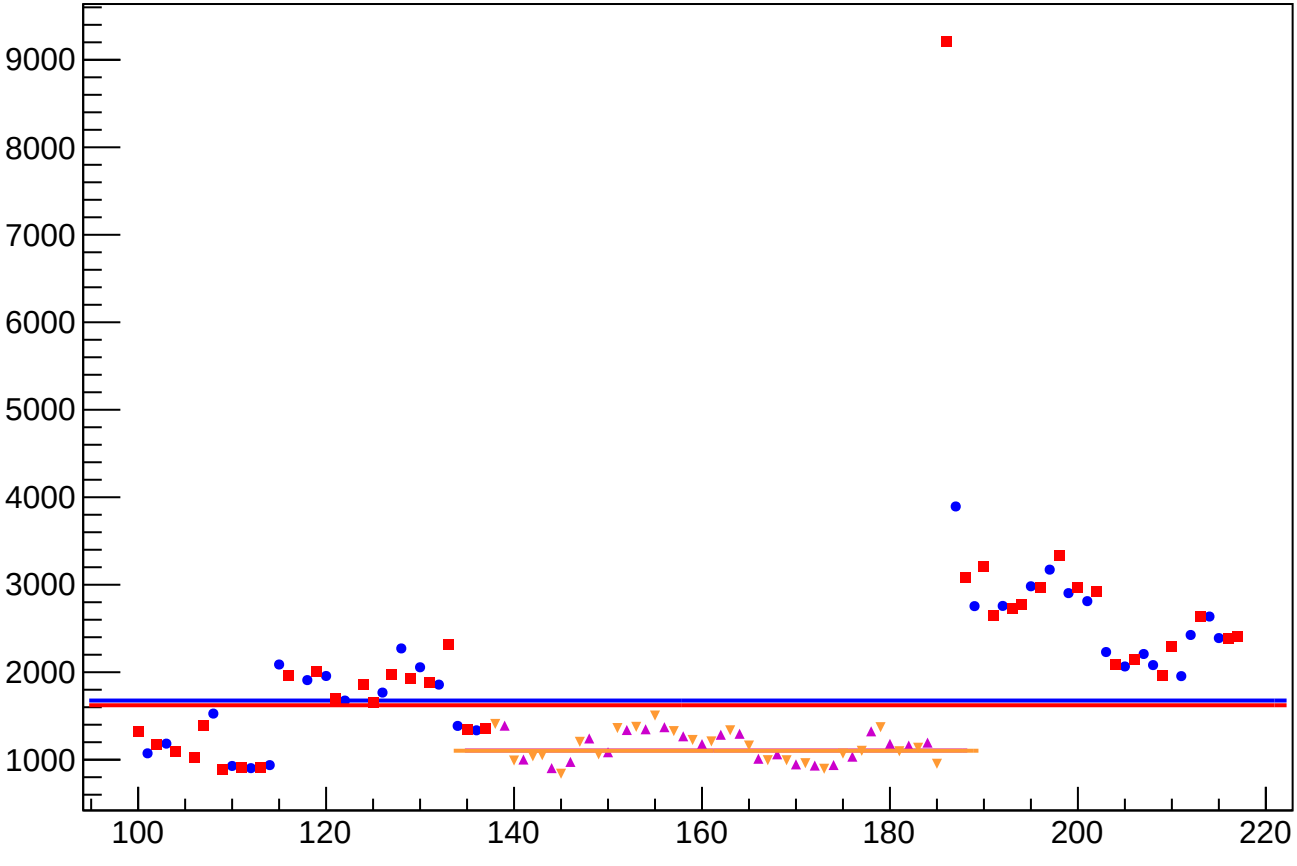
Right: -486.618+/-284.264 χ^2/NDF: 126.9/66

In: 208.465+/-220.632 χ^2/NDF:73.4/53

Out: 386.214+/-213.479 χ^2/NDF:159.8/60

All: 300.267+/-153.419 χ^2/NDF: 233.5/114

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: 1622.496+/-0.278 χ^2/NDF: 7069643.0/35

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

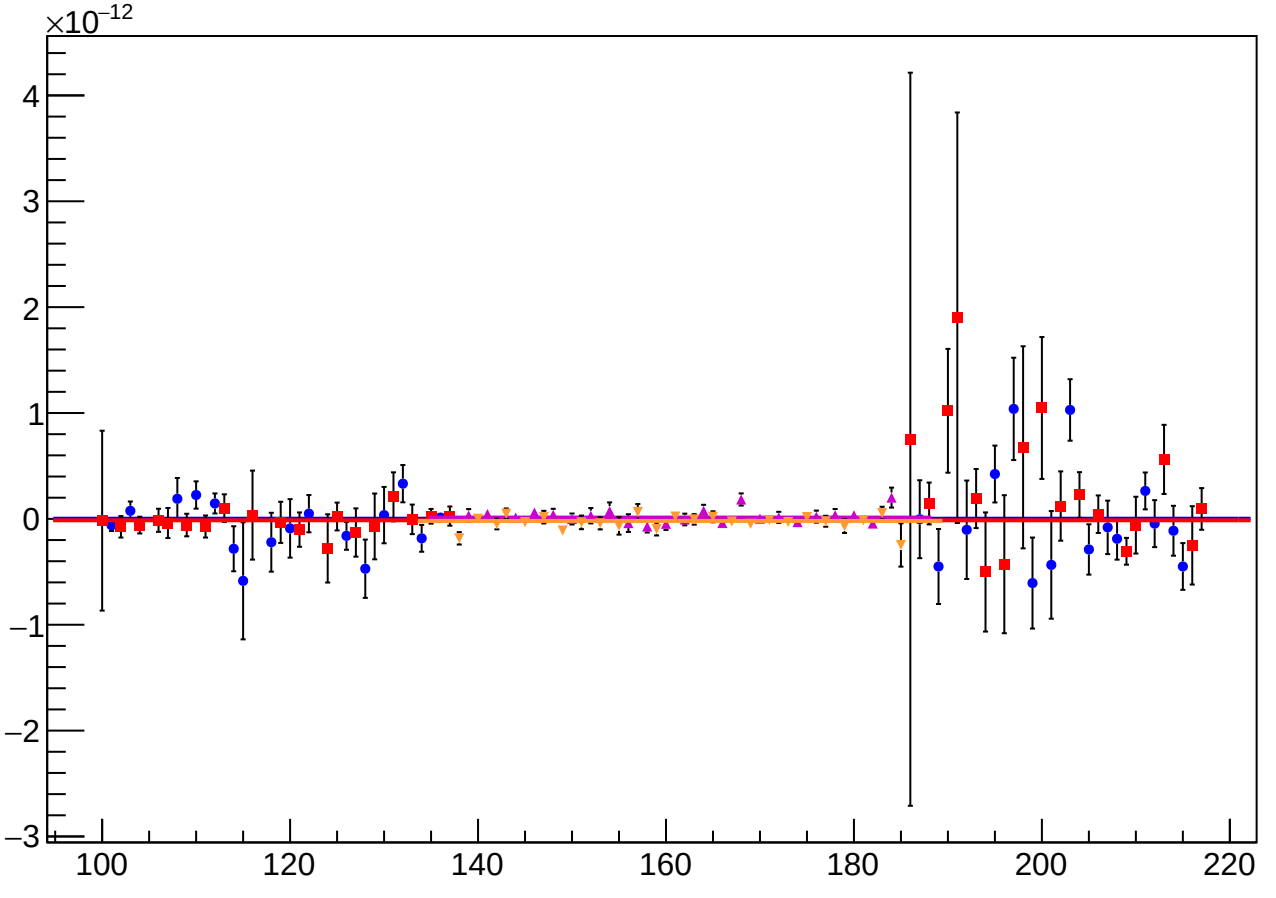
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1648.255+/-0.201 χ^2/NDF: 12171249.4/66

In: 1269.534+/-0.156 χ^2/NDF:8554271.0/53

Out: 1255.859+/-0.151 χ^2/NDF:10414440.1/60

All: 1262.471+/-0.108 χ^2/NDF: 18972679.0/1



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: 25.0/35

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

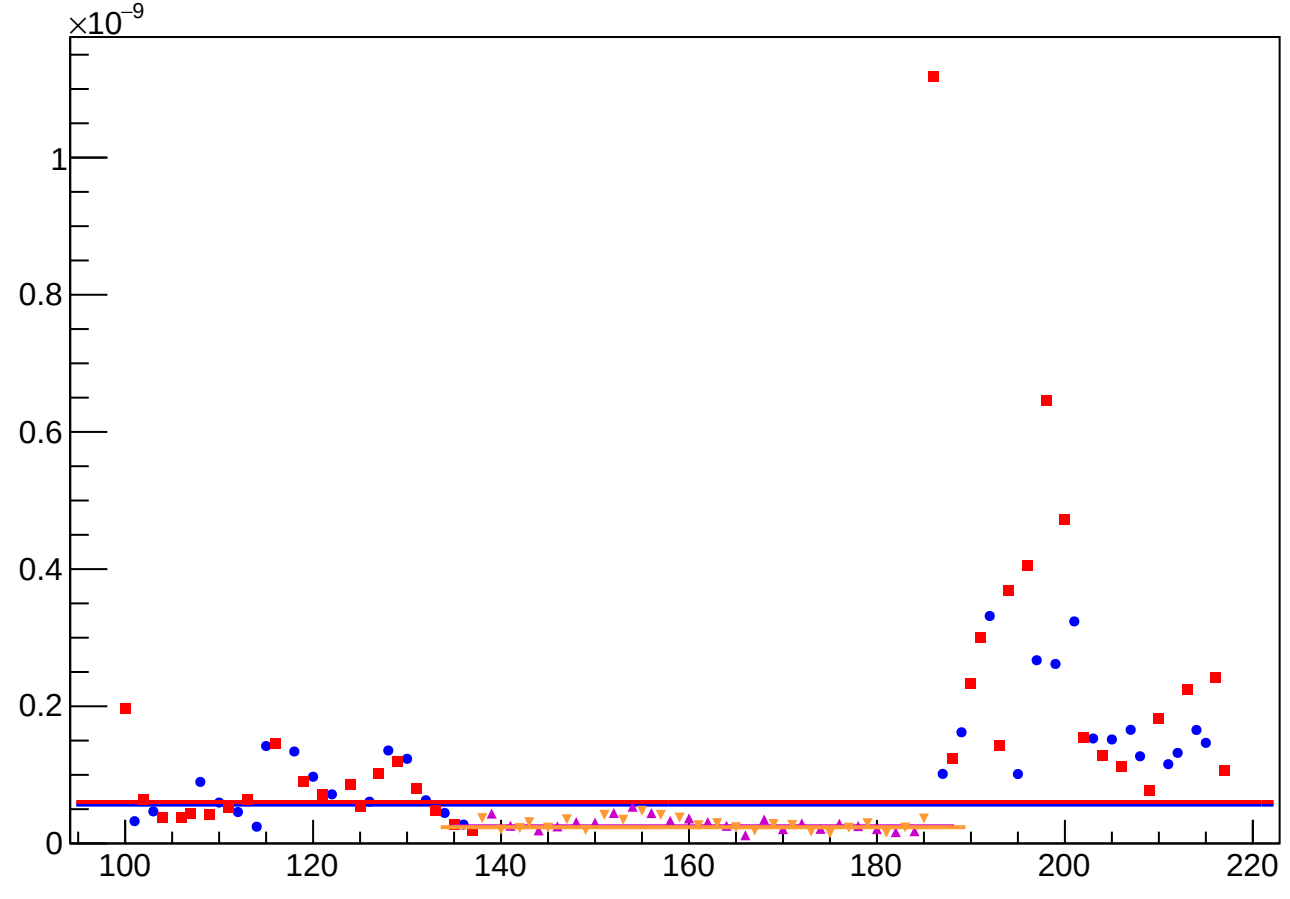
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 80.6/66

In: 0.000+/-0.000 χ^2/NDF:82.7/53

Out: -0.000+/-0.000 χ^2/NDF:51.5/60

All: -0.000+/-0.000 χ^2/NDF: 139.4/114



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: 7128946.1/35

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

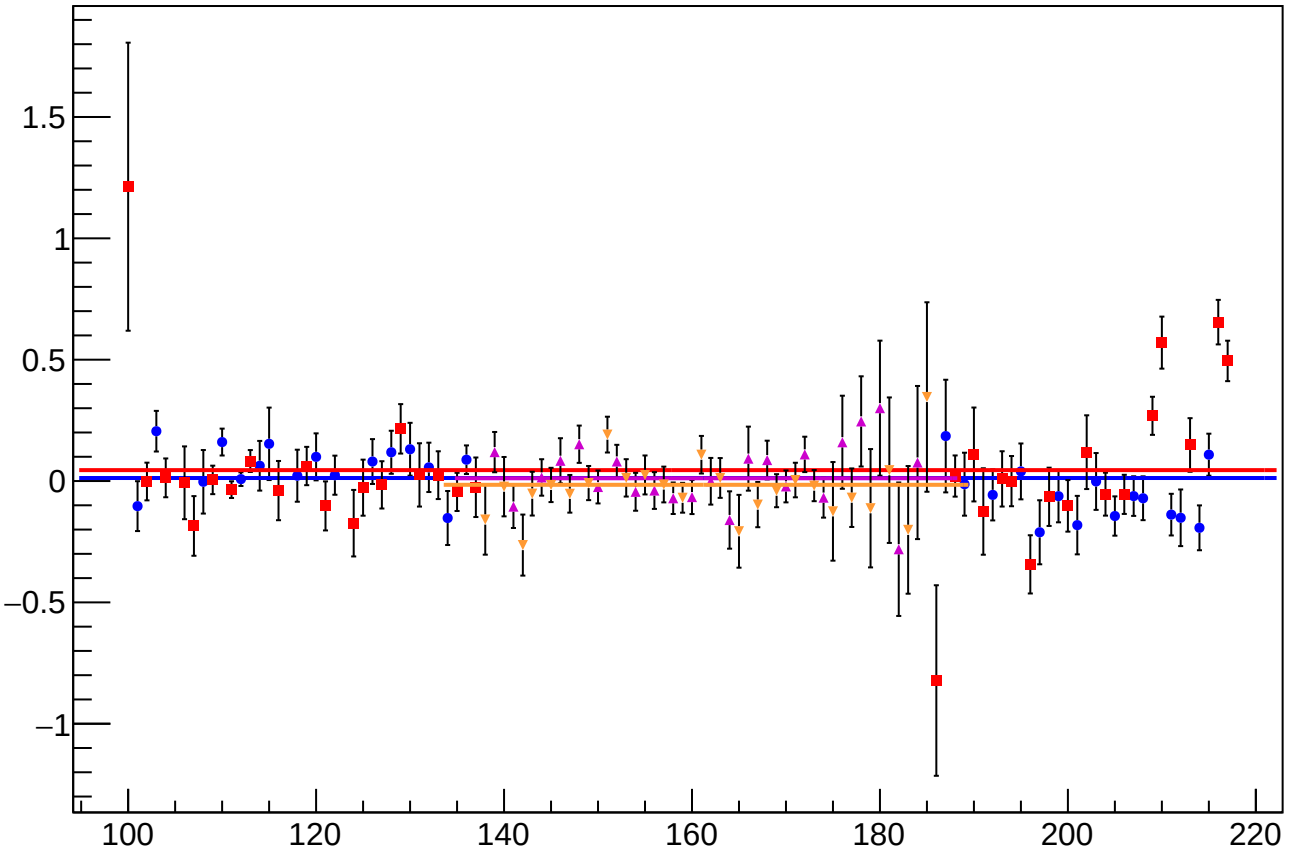
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 13791486.2/66

In: 0.000+/-0.000 χ^2/NDF:10926294.8/53

Out: 0.000+/-0.000 χ^2/NDF:12017565.1/60

All: 0.000+/-0.000 χ^2/NDF: 22985879.2/114



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: 0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

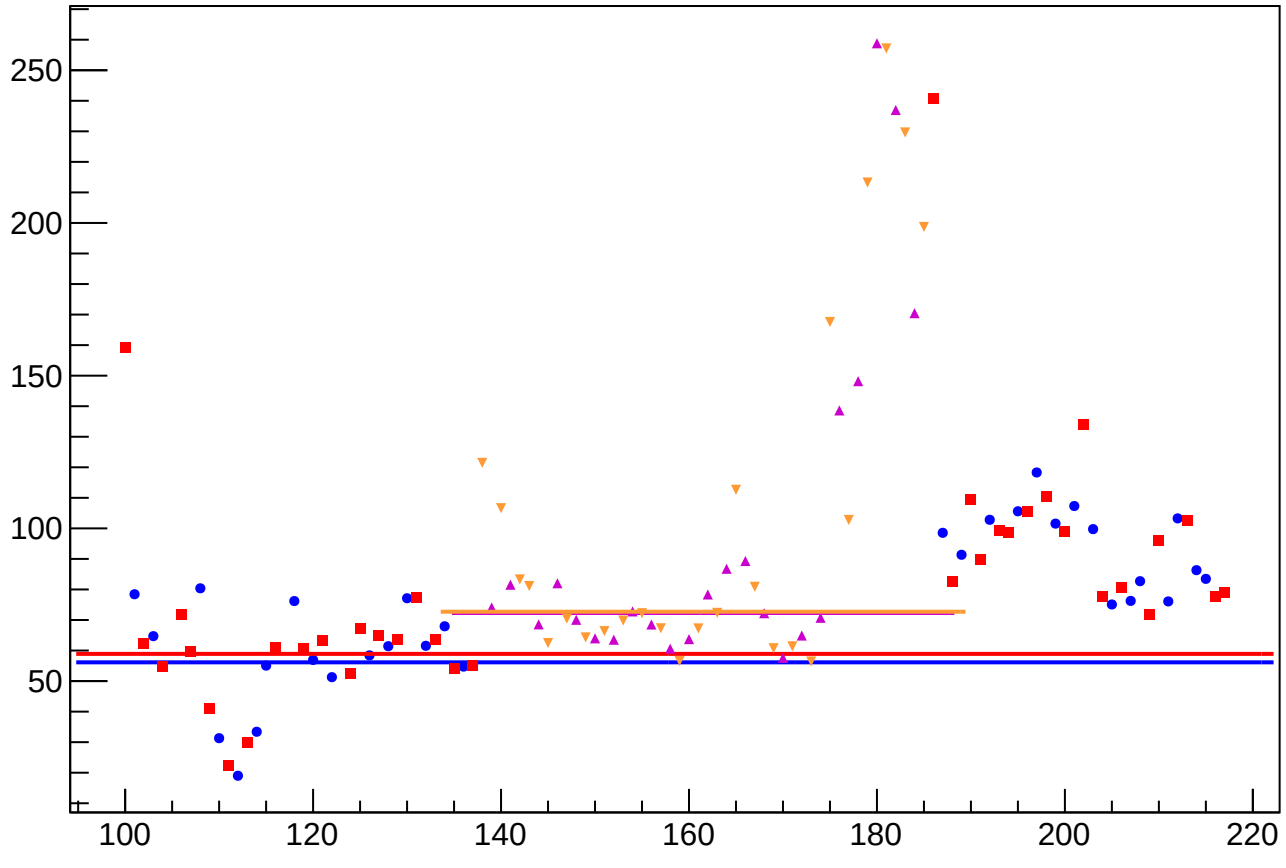
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.029+/-0.010 χ^2/NDF: 203.1/66

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.021+/-0.011 χ^2/NDF:182.4/60

All: 0.016+/-0.008 χ^2/NDF: 252.7/114



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: 58.908+/-0.010 χ^2/NDF: 7277562.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

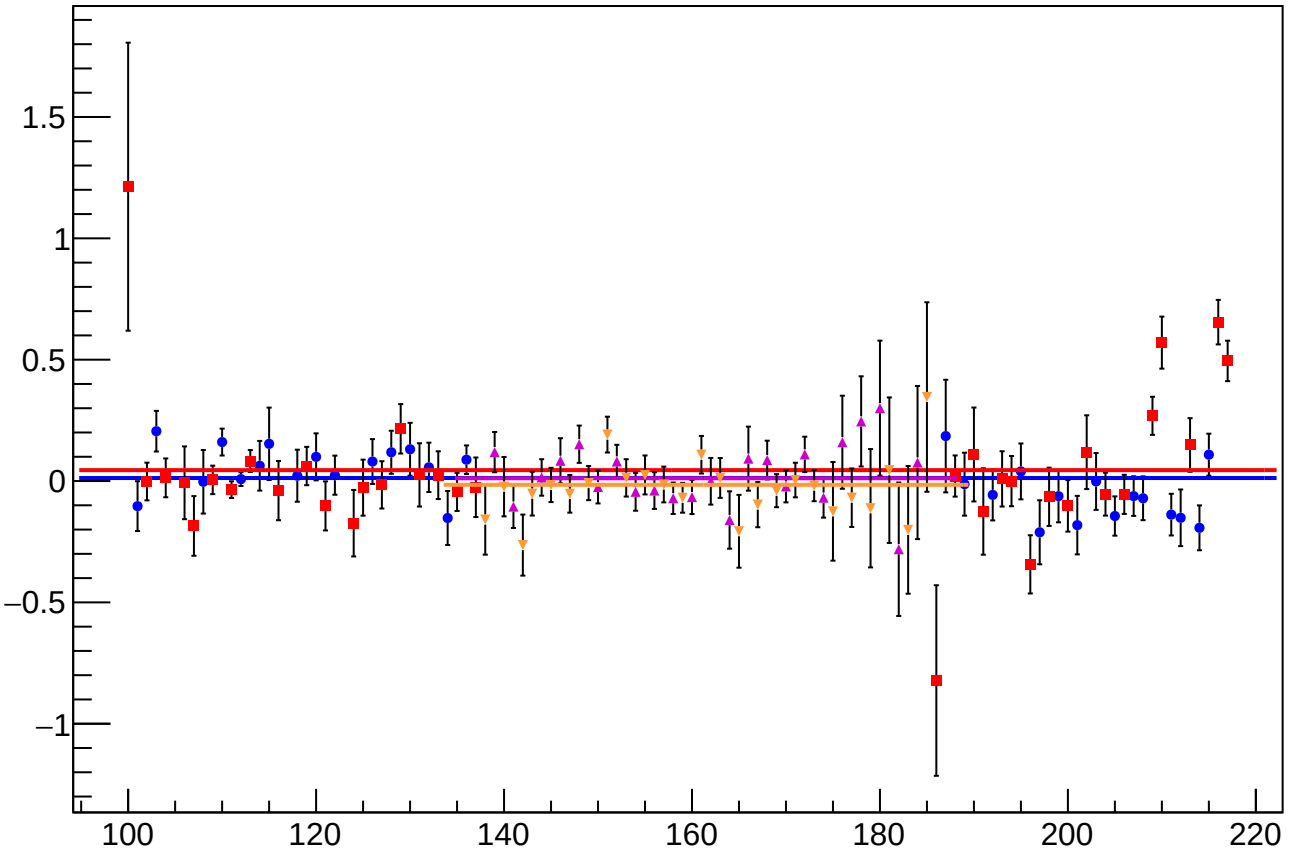
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 57.531+/-0.007 χ^2/NDF: 15332772.4/66

In: 62.534+/-0.008 χ^2/NDF:11756997.0/53

Out: 64.443+/-0.008 χ^2/NDF:11946801.3/60

All: 63.498+/-0.006 χ^2/NDF: 23731697.8/114



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: 0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

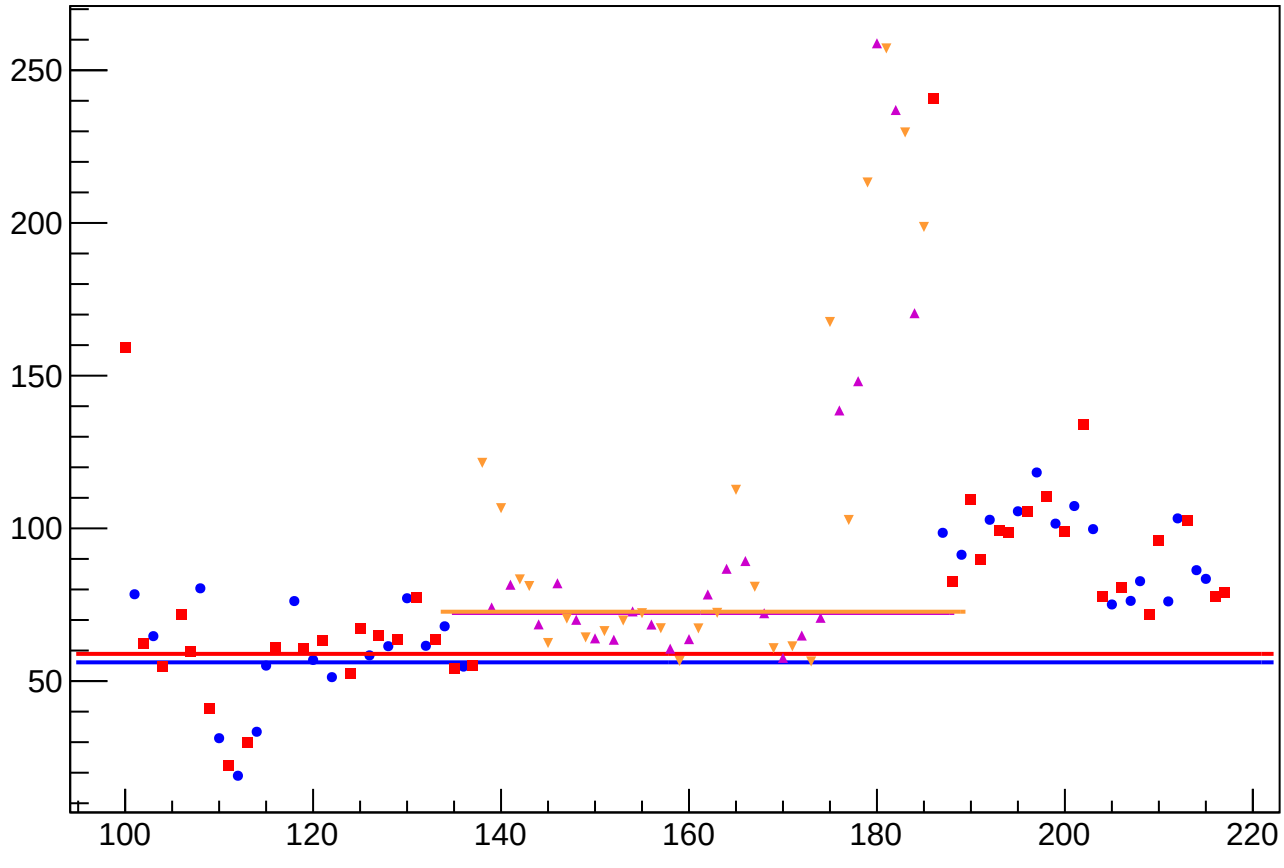
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.029+/-0.010 χ^2/NDF: 203.1/66

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.021+/-0.011 χ^2/NDF:182.4/60

All: 0.016+/-0.008 χ^2/NDF: 252.7/114



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: 58.908+/-0.010 χ^2/NDF: 7277562.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

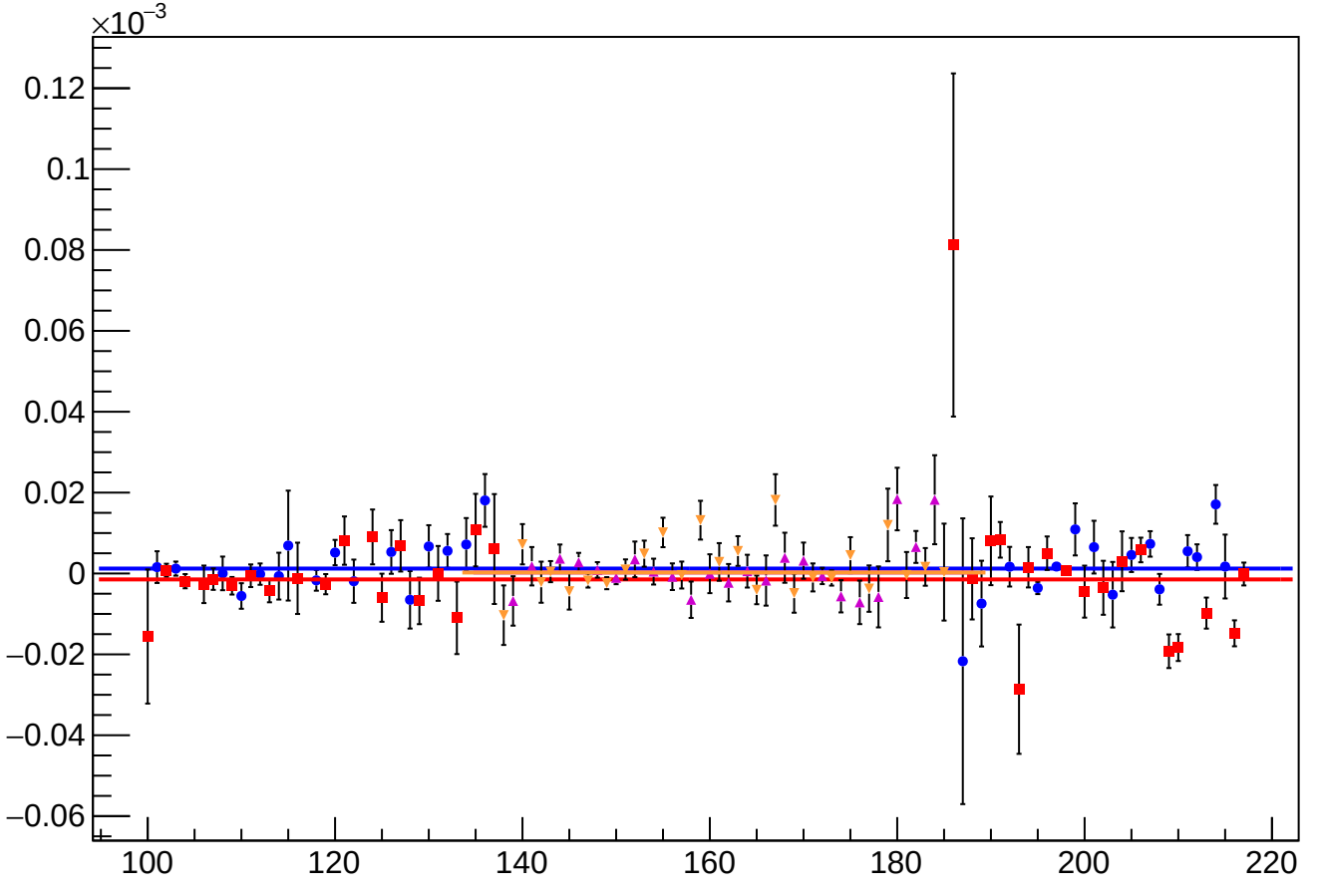
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 57.531+/-0.007 χ^2/NDF: 15332772.4/66

In: 62.534+/-0.008 χ^2/NDF:11756997.0/53

Out: 64.443+/-0.008 χ^2/NDF:11946801.3/60

All: 63.498+/-0.006 χ^2/NDF: 23731697.8/114



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: 108.1/35

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

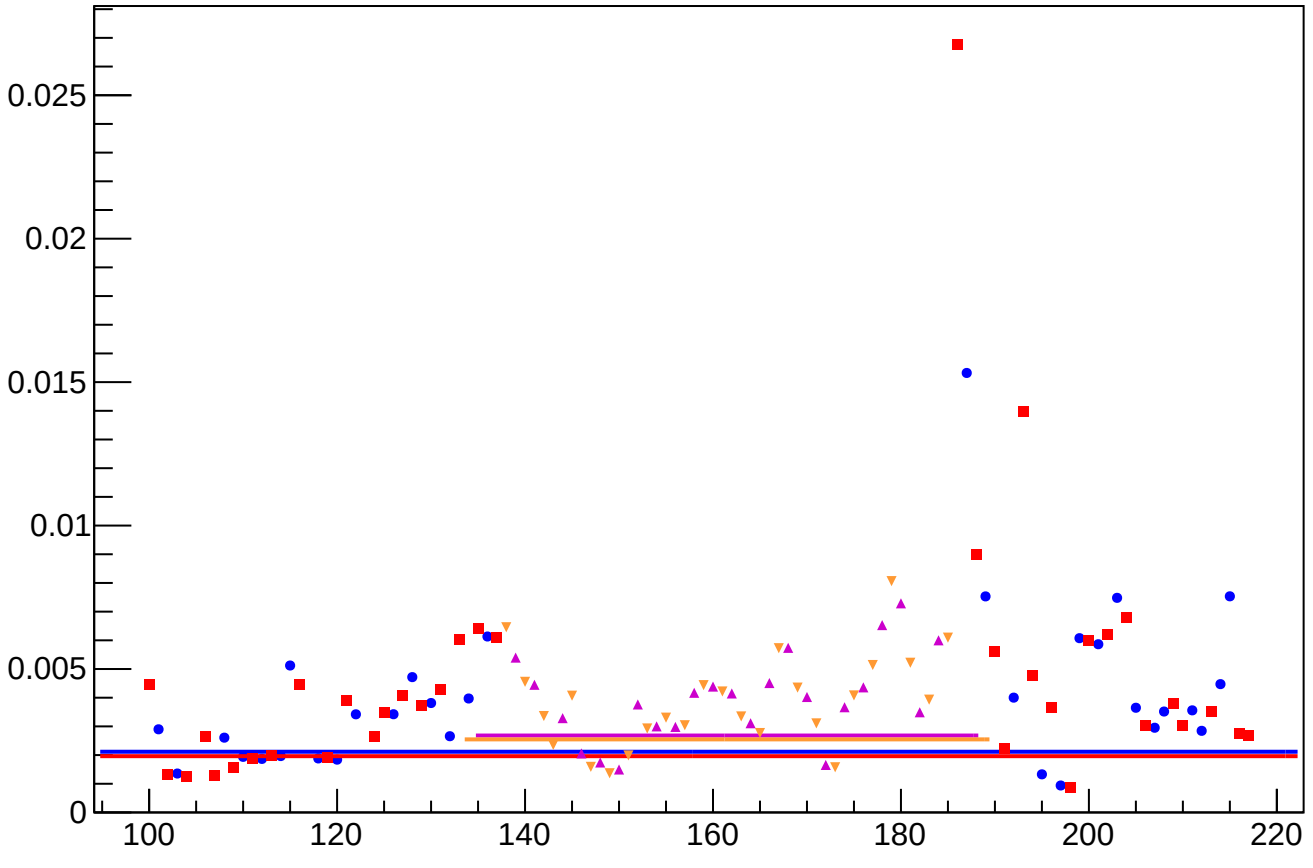
Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

Right: -0.000+/-0.000 χ^2/NDF: 173.3/66

In: 0.000+/-0.000 χ^2/NDF:79.1/53

Out: -0.000+/-0.000 χ^2/NDF:155.6/60

All: -0.000+/-0.000 χ^2/NDF: 241.4/114



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: 13389113.8/35

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

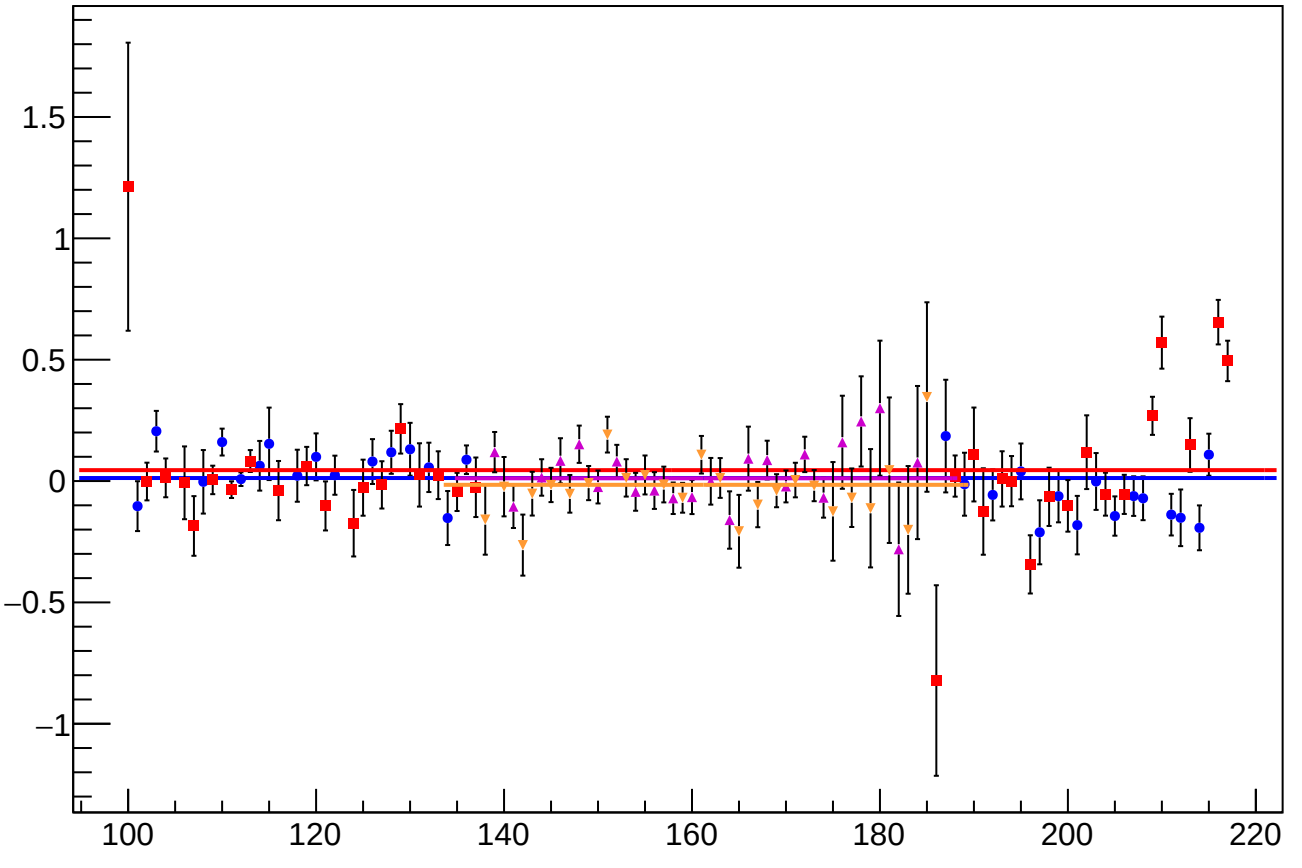
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 23997631.8/66

In: 0.002+/-0.000 χ^2/NDF:17791041.9/53

Out: 0.002+/-0.000 χ^2/NDF:21846129.4/60

All: 0.002+/-0.000 χ^2/NDF: 39757903.8/114



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: 0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

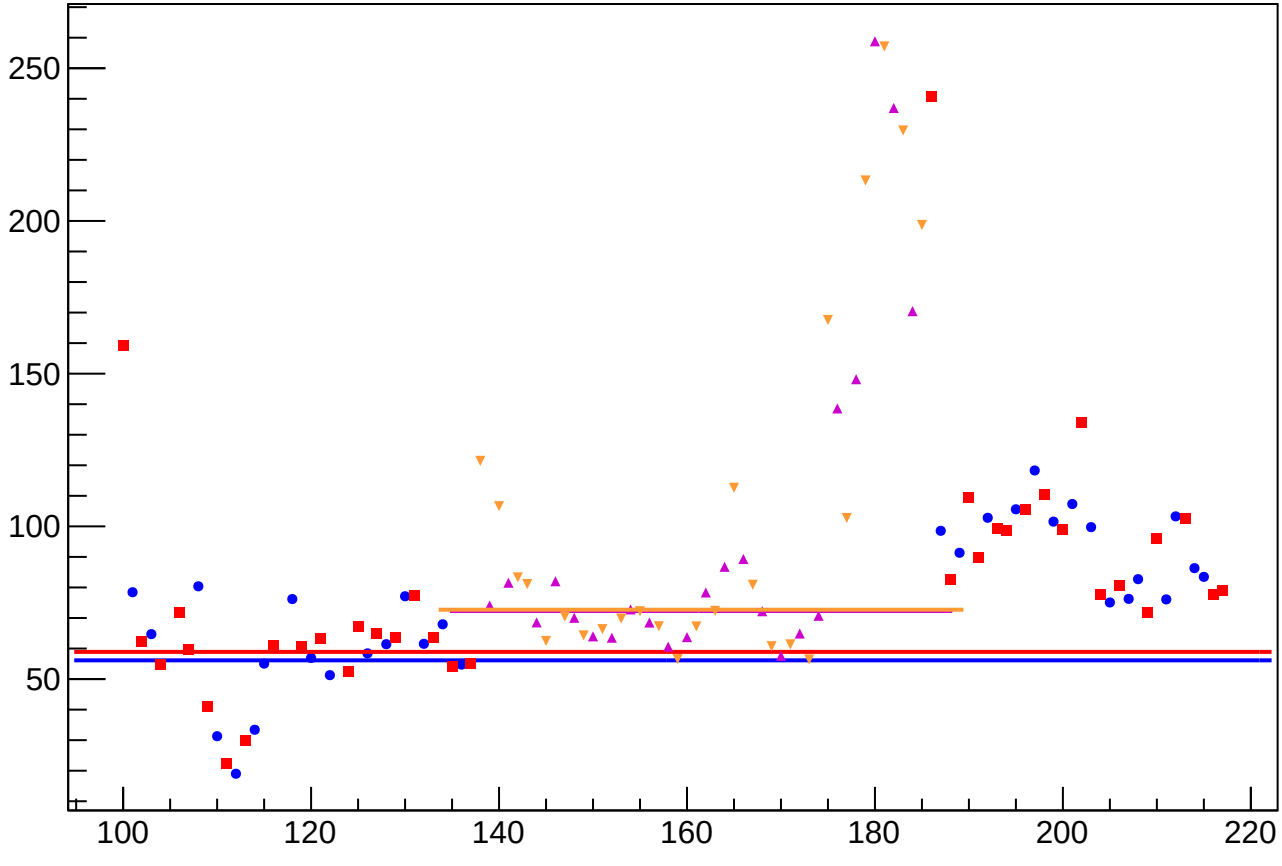
Right: 0.029+/-0.010 χ^2/NDF: 203.1/66

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.021+/-0.011 χ^2/NDF:182.4/60

All: 0.016+/-0.008 χ^2/NDF: 252.7/114

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.137+/-0.010 χ^2/NDF: 8020155.9/30

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 58.907+/-0.010 χ^2/NDF: 7277907.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

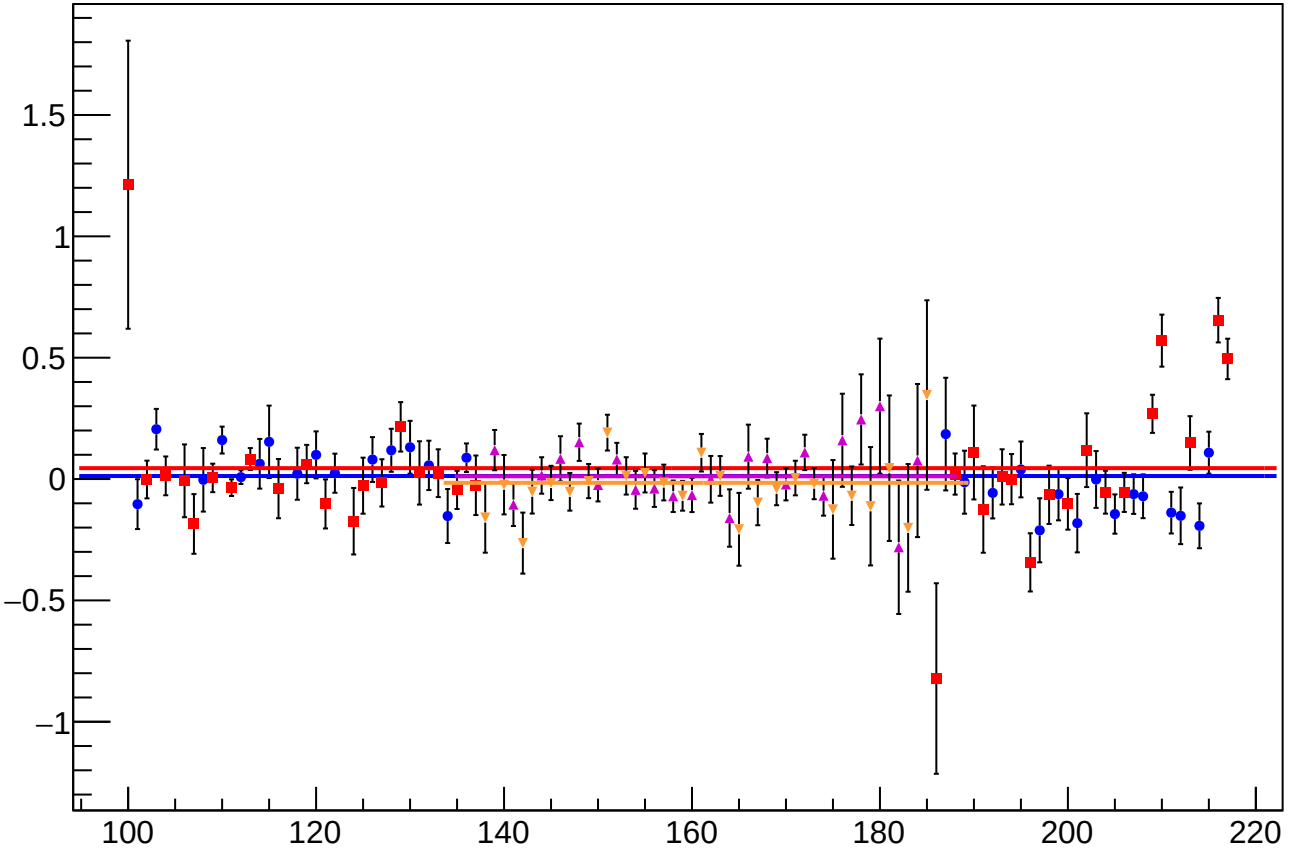
Right: 57.530+/-0.007 χ^2/NDF: 15333400.3/66

In: 62.534+/-0.008 χ^2/NDF:11757394.2/53

Out: 64.443+/-0.008 χ^2/NDF:11947240.1/60

All: 63.498+/-0.006 χ^2/NDF: 23732537.5/114

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: 0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

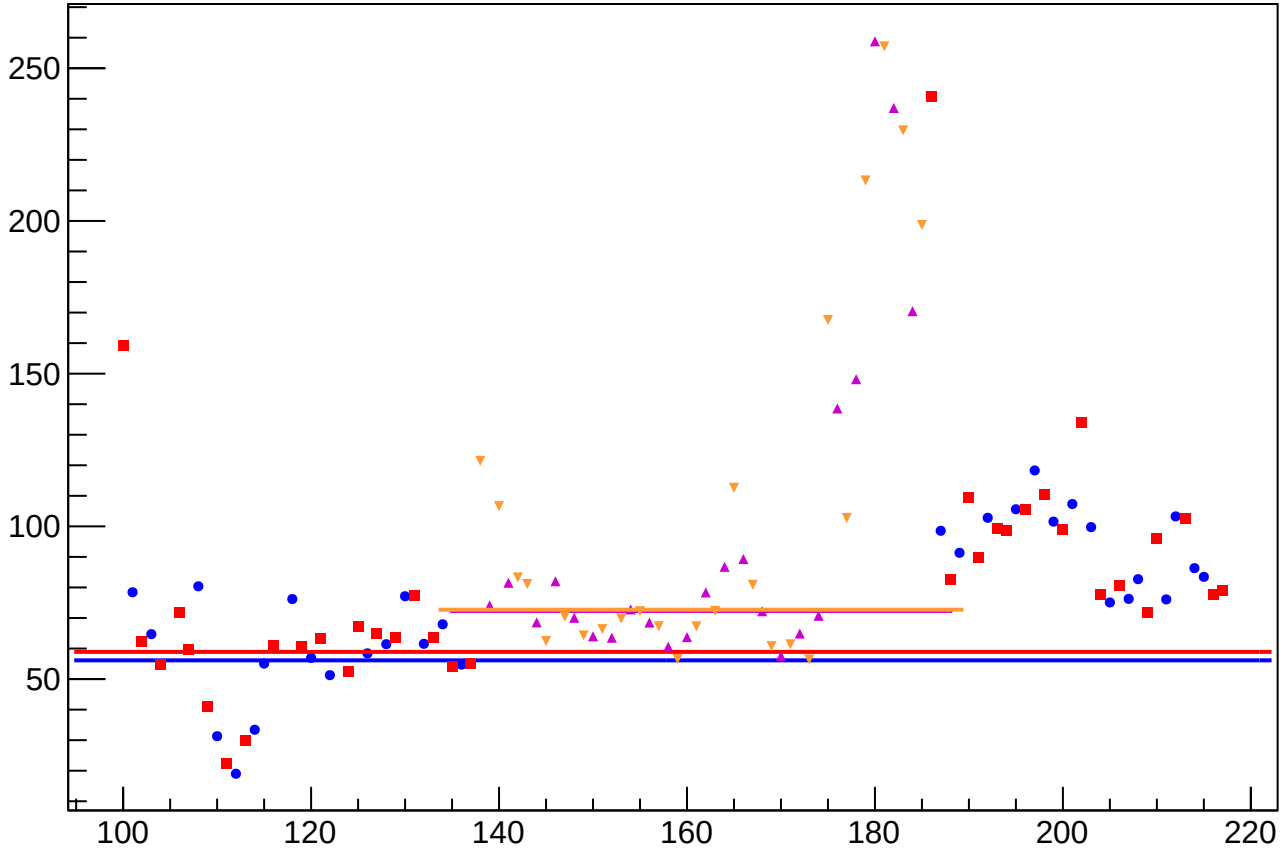
Right: 0.029+/-0.010 χ^2/NDF: 203.1/66

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.021+/-0.011 χ^2/NDF:182.4/60

All: 0.016+/-0.008 χ^2/NDF: 252.7/114

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: 58.907+/-0.010 χ^2/NDF: 7277907.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

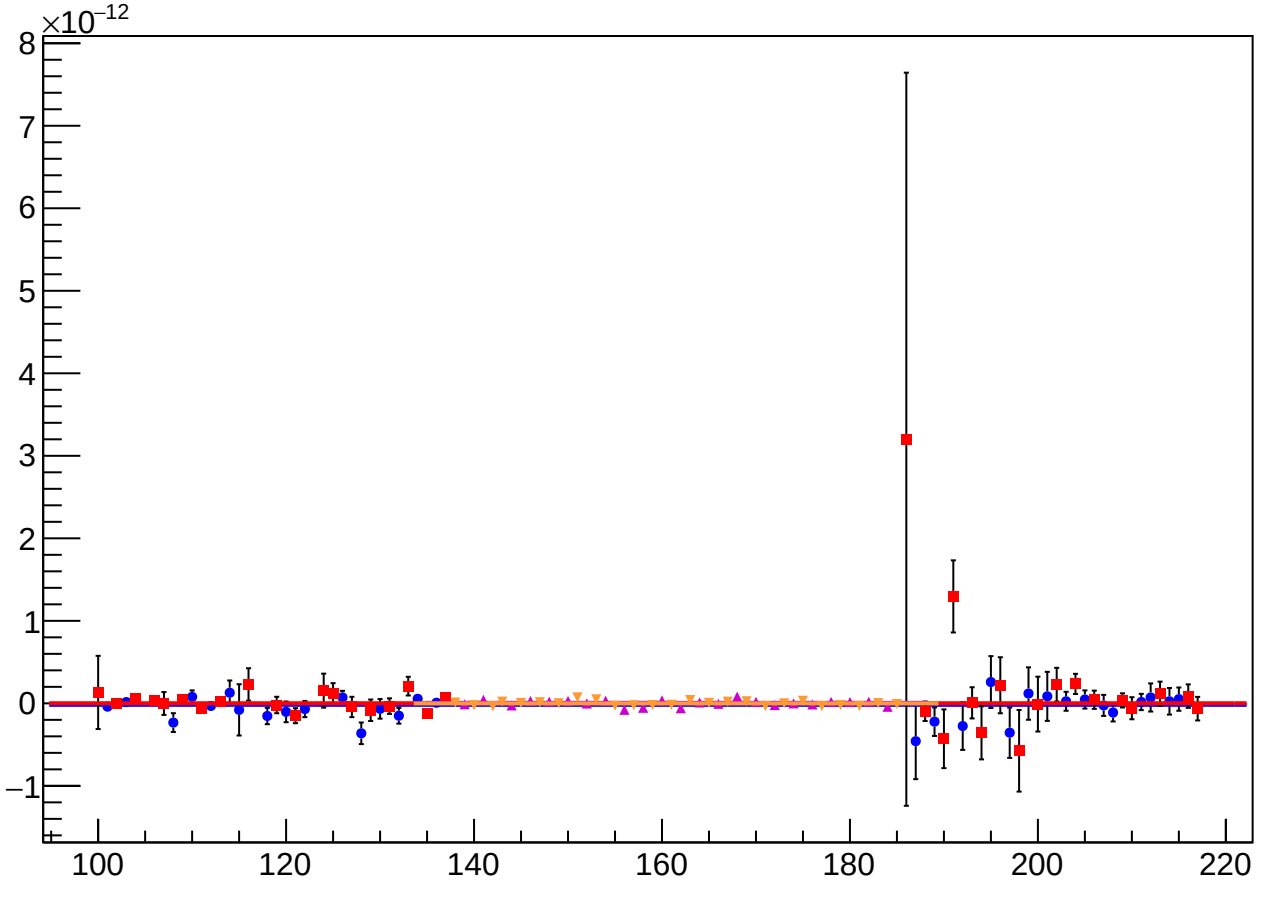
Right: 57.530+/-0.007 χ^2/NDF: 15333400.3/66

In: 62.534+/-0.008 χ^2/NDF:11757394.2/53

Out: 64.443+/-0.008 χ^2/NDF:11947240.1/60

All: 63.498+/-0.006 χ^2/NDF: 23732537.5/114

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: 44.5/35

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

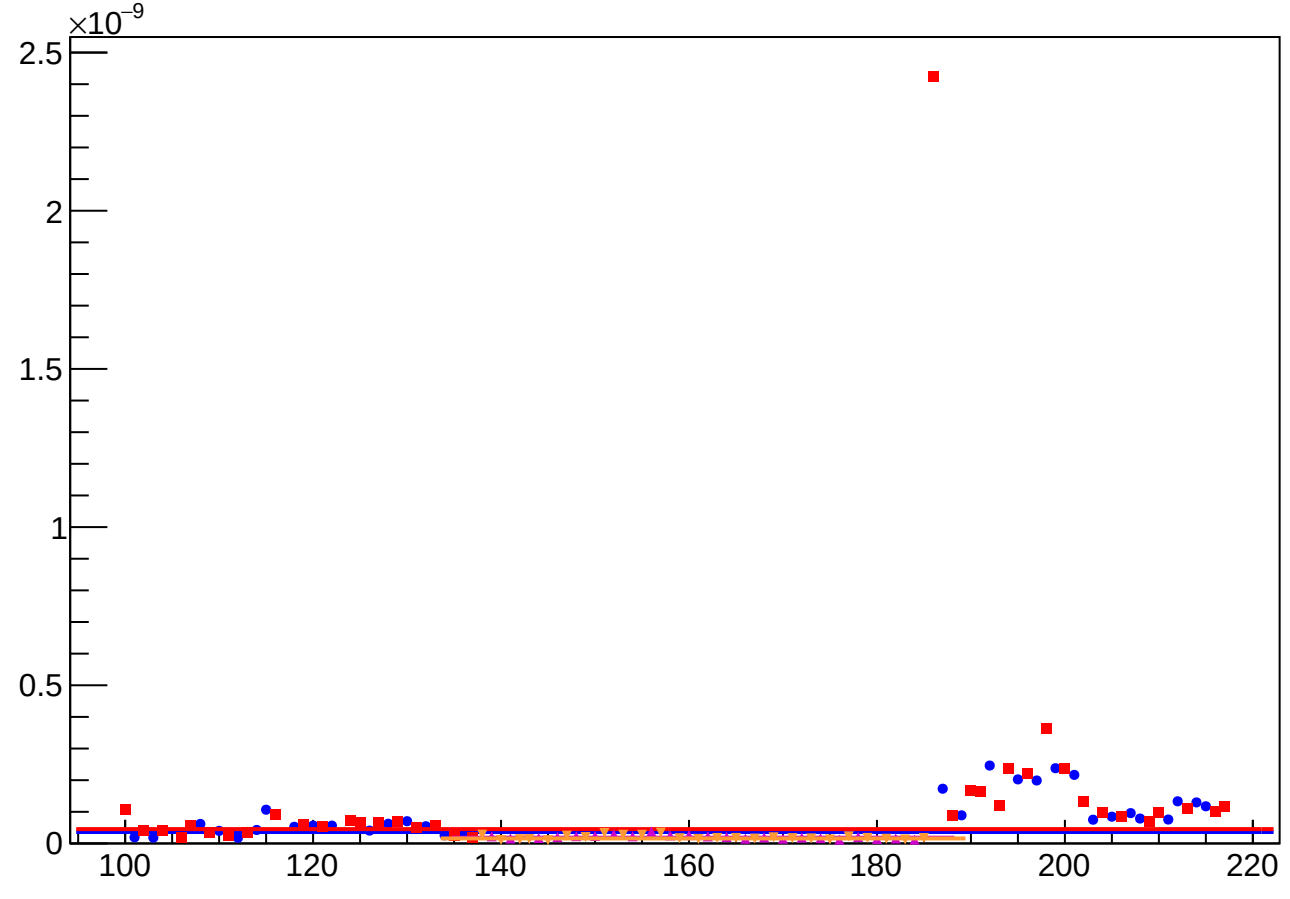
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 75.7/66

In: 0.000+/-0.000 χ^2/NDF:71.4/53

Out: -0.000+/-0.000 χ^2/NDF:72.4/60

All: 0.000+/-0.000 χ^2/NDF: 144.1/114



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: 9408381.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

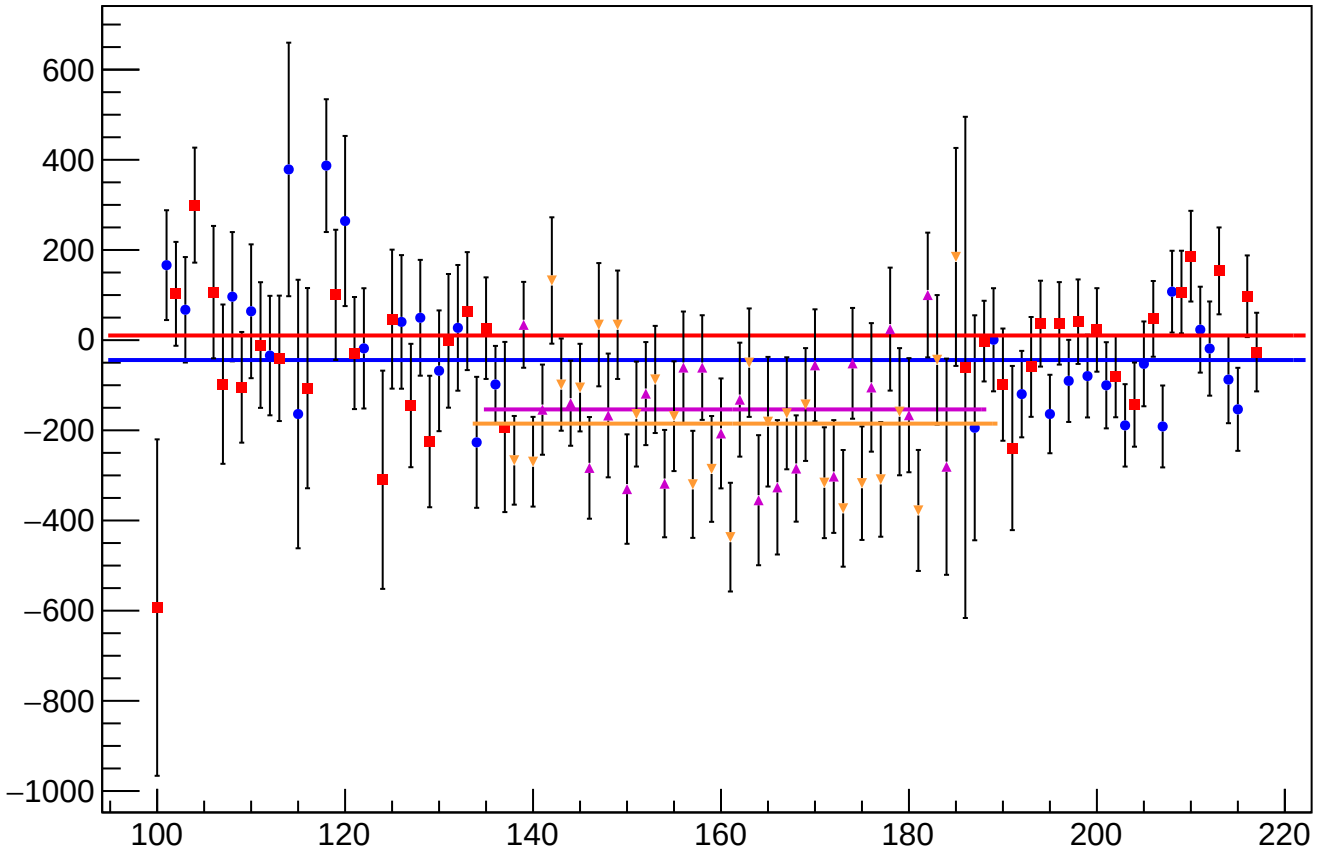
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 20089047.1/66

In: 0.000+/-0.000 χ^2/NDF:14976190.2/53

Out: 0.000+/-0.000 χ^2/NDF:18510247.1/60

All: 0.000+/-0.000 χ^2/NDF: 33712802.5/114



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: 10.354+/-19.547 χ^2/NDF: 32.8/35

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

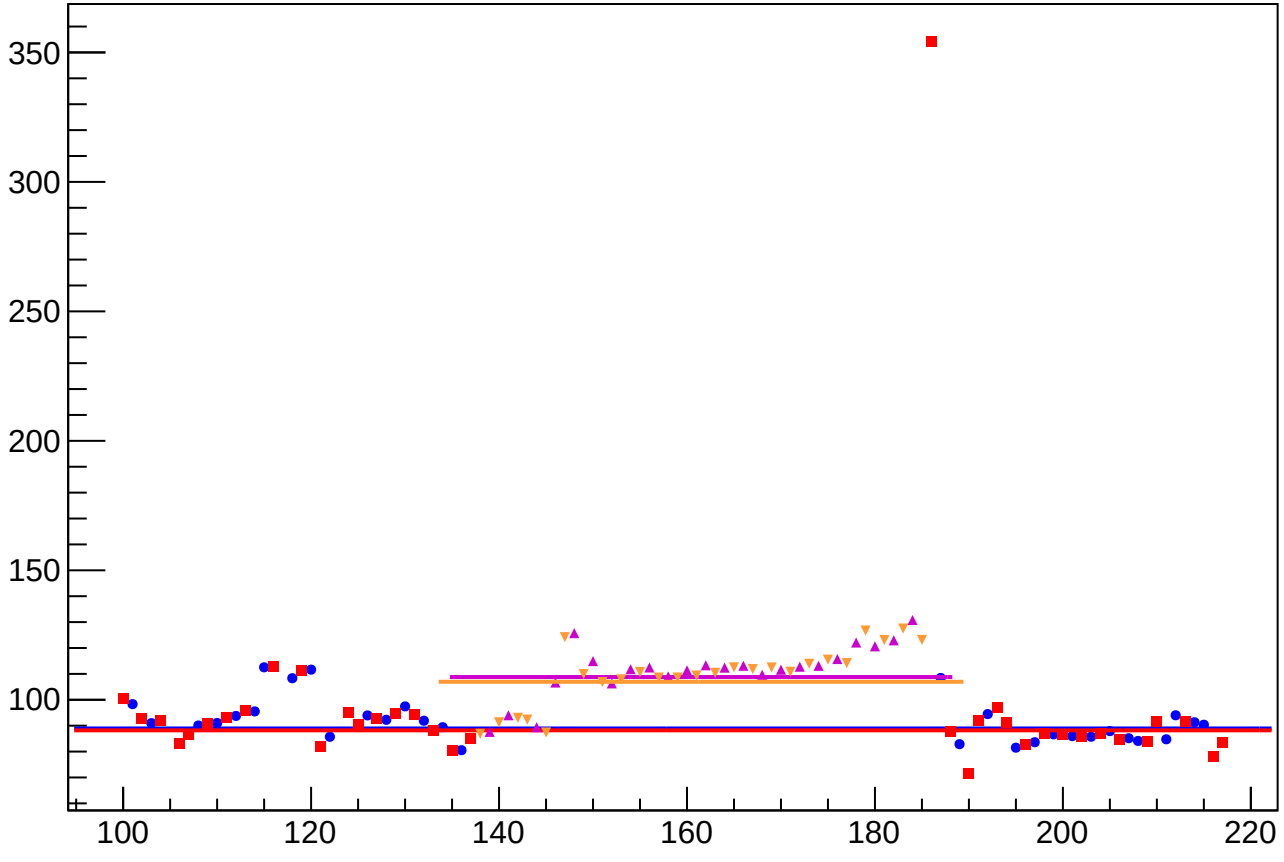
Right: -15.858+/-14.079 χ^2/NDF: 72.6/66

In: -86.504+/-15.889 χ^2/NDF:70.9/53

Out: -65.869+/-15.268 χ^2/NDF:104.8/60

All: -75.776+/-11.009 χ^2/NDF: 176.6/114

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: 88.203+/-0.014 χ^2/NDF: 687295.2/35

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

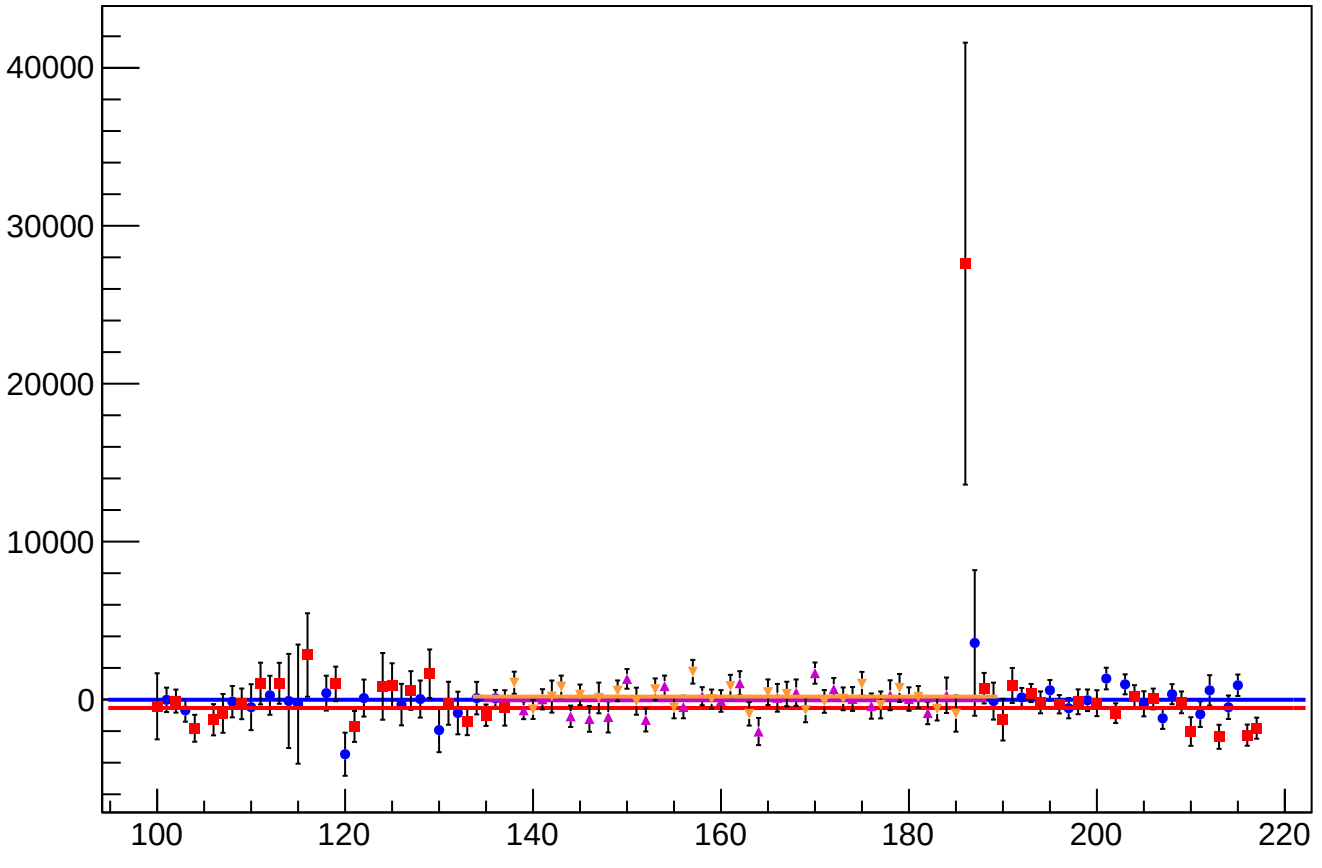
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.547+/-0.010 χ^2/NDF: 886024.7/66

In: 96.606+/-0.011 χ^2/NDF:1297443.2/53

Out: 95.514+/-0.011 χ^2/NDF:1869135.6/60

All: 96.038+/-0.008 χ^2/NDF: 3171495.8/114



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: -535.047+/-147.034 χ^2/NDF: 49.4/35

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

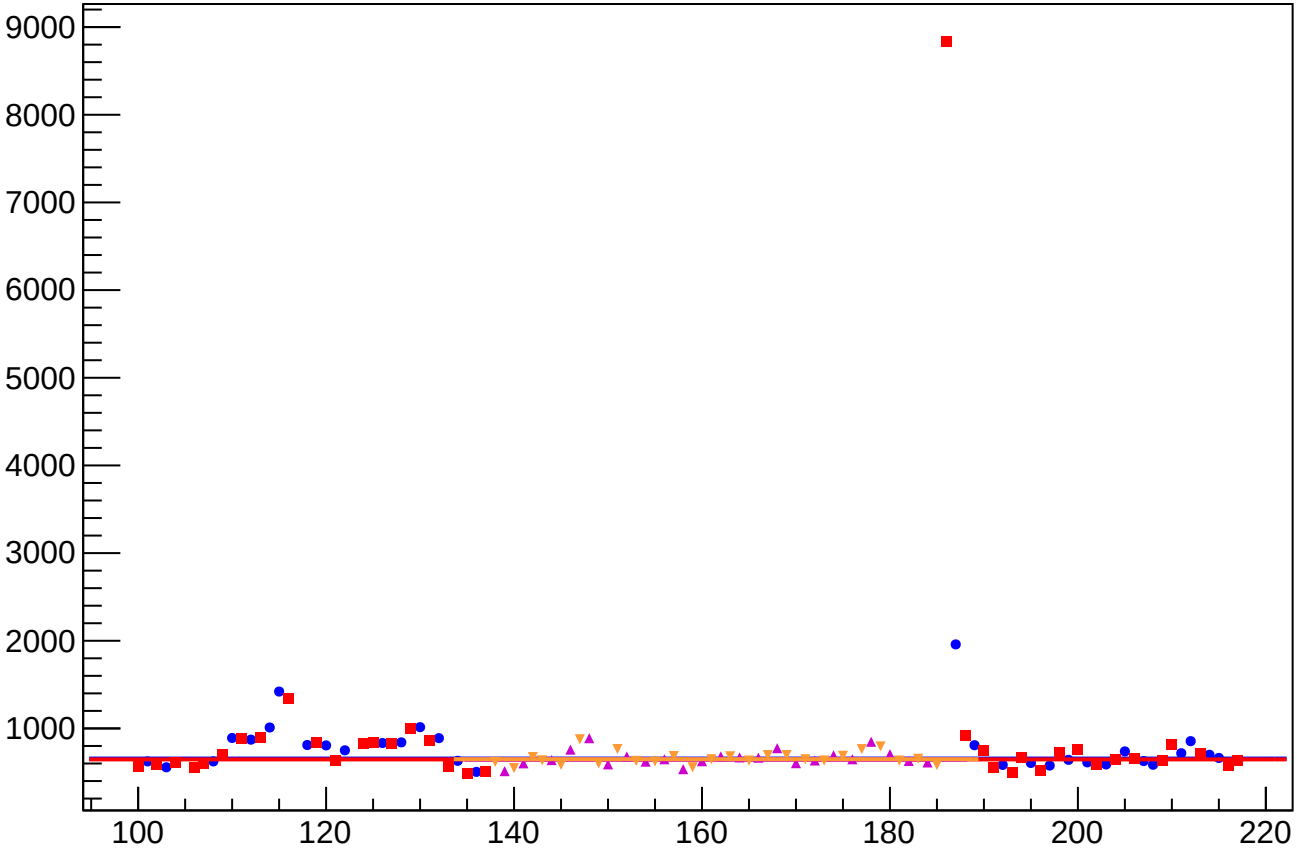
Right: -285.092+/-105.996 χ^2/NDF: 81.1/66

In: -29.032+/-107.833 χ^2/NDF:59.5/53

Out: -178.648+/-104.594 χ^2/NDF:80.3/60

All: -106.120+/-75.078 χ^2/NDF: 140.8/114

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: 646.691+/-0.104 χ^2/NDF: 2080829.2/35

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

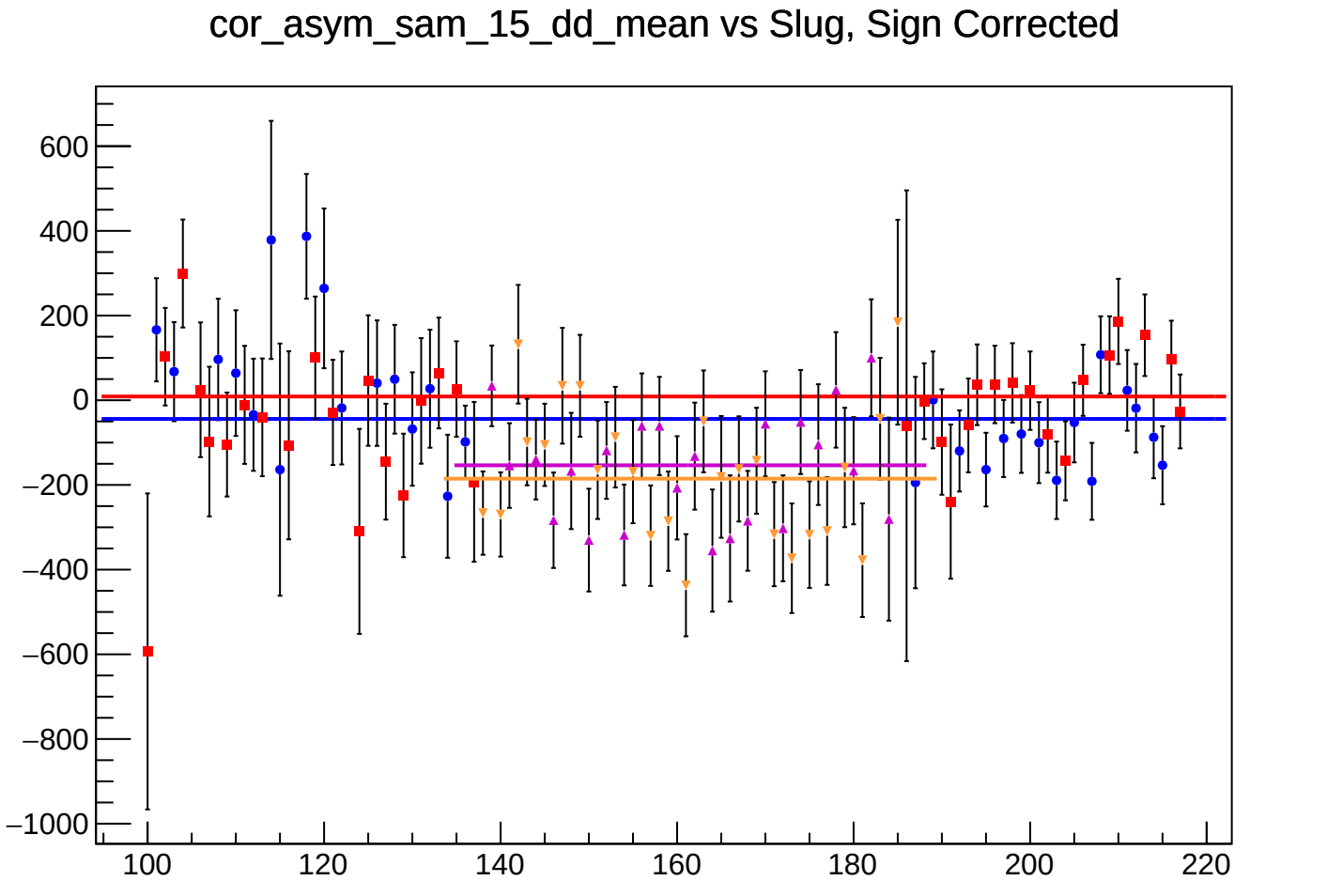
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 651.326+/-0.075 χ^2/NDF: 3317597.8/66

In: 650.171+/-0.076 χ^2/NDF:1798223.1/53

Out: 647.925+/-0.074 χ^2/NDF:2499478.9/60

All: 649.014+/-0.053 χ^2/NDF: 4298148.9/114



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: 8.861+/-19.573 χ^2/NDF: 32.3/35

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

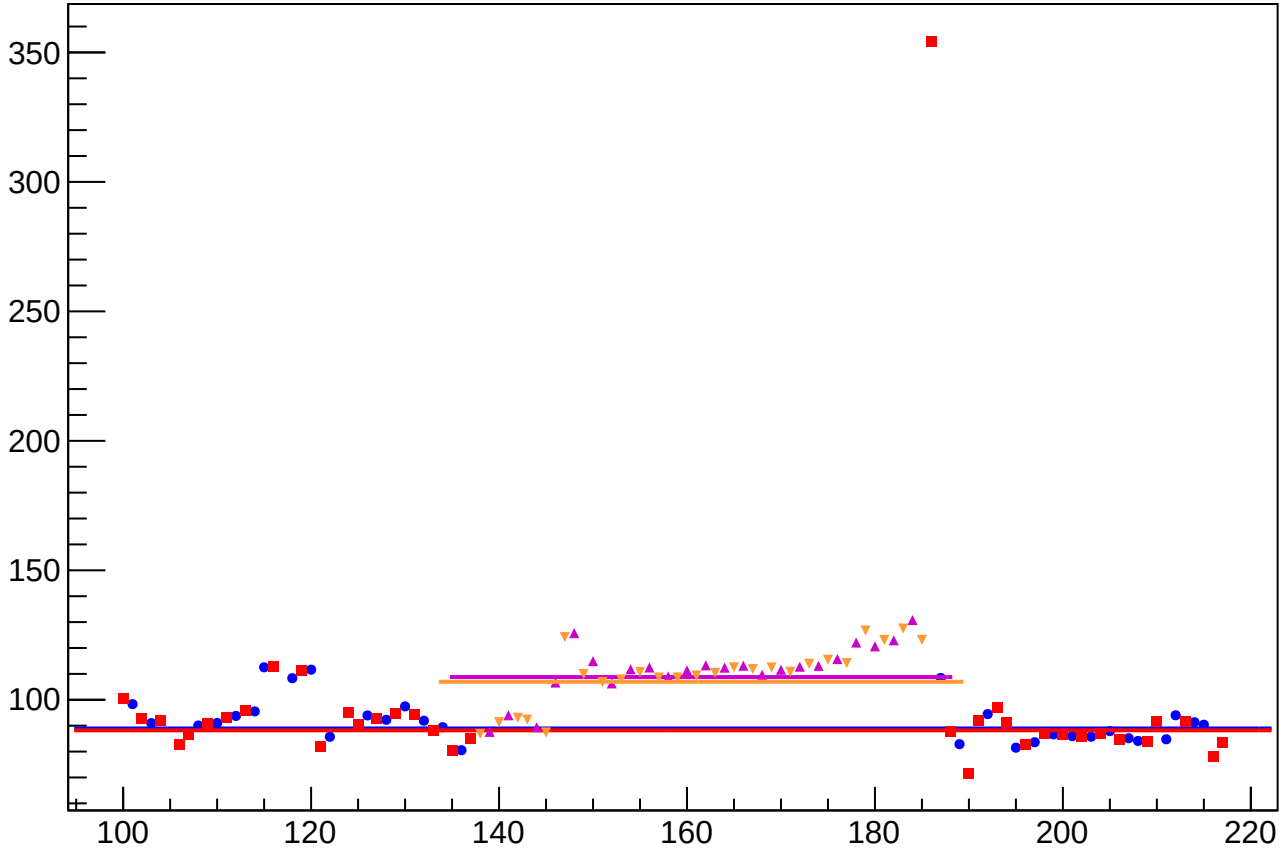
Right: -16.666+/-14.088 χ^2/NDF: 72.0/66

In: -86.505+/-15.889 χ^2/NDF:70.9/53

Out: -66.902+/-15.281 χ^2/NDF:103.8/60

All: -76.321+/-11.014 χ^2/NDF: 175.5/114

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: 88.208+/-0.014 χ^2/NDF: 687409.3/35

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

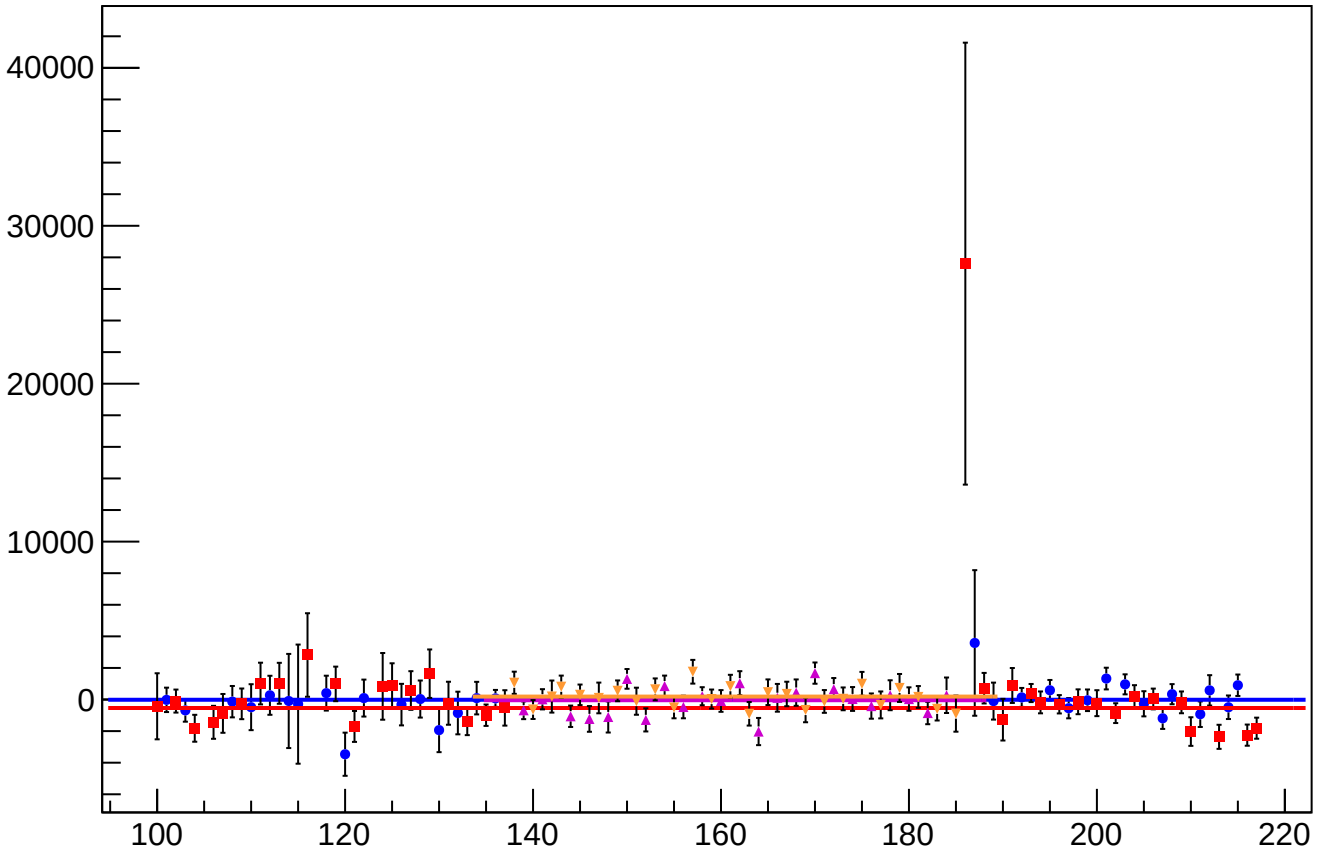
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.550+/-0.010 χ^2/NDF: 886119.6/66

In: 96.606+/-0.011 χ^2/NDF:1297443.2/53

Out: 95.528+/-0.011 χ^2/NDF:1868139.3/60

All: 96.046+/-0.008 χ^2/NDF: 3170364.4/114



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: -536.538+/-147.204 χ^2/NDF: 49.5/35

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

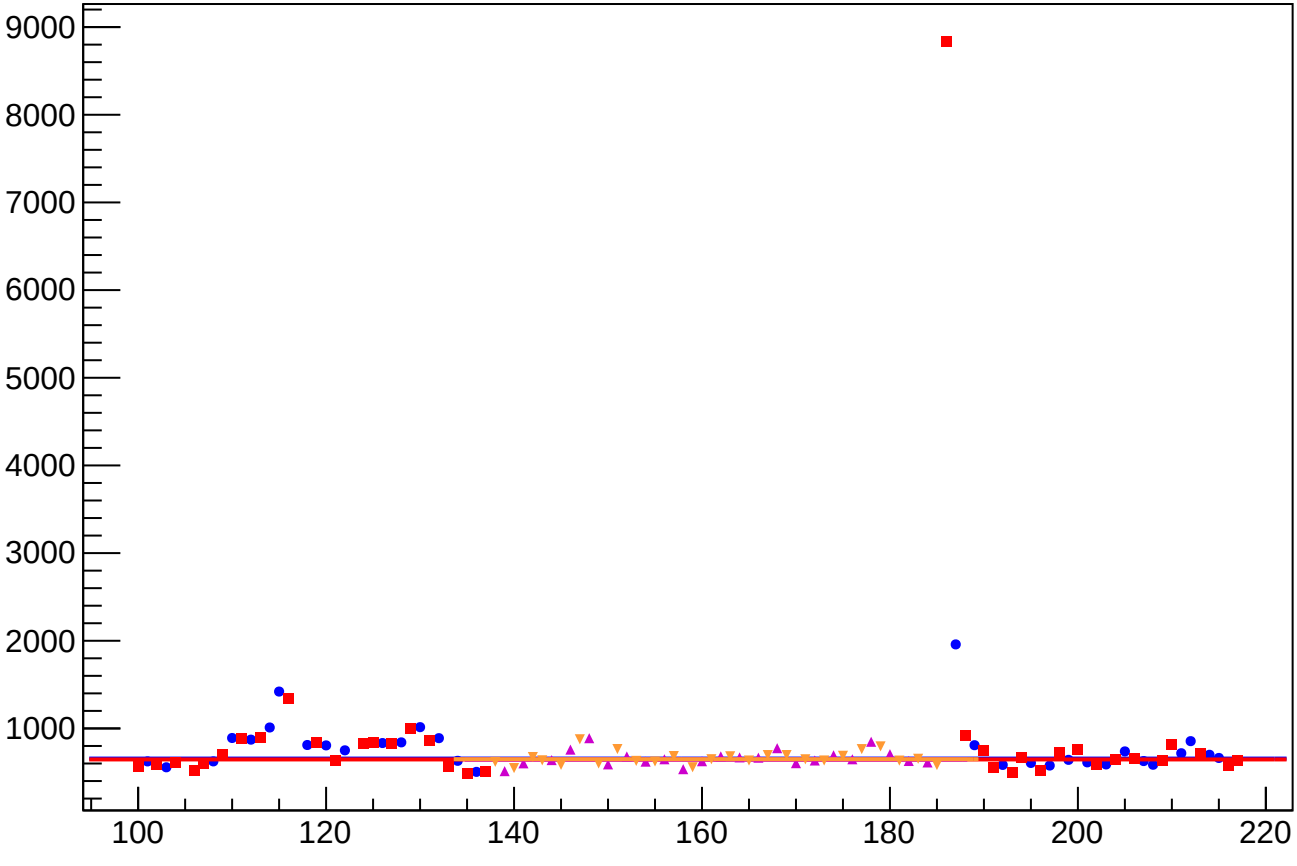
Right: -285.567+/-106.059 χ^2/NDF: 81.3/66

In: -29.034+/-107.833 χ^2/NDF:59.5/53

Out: -178.988+/-104.656 χ^2/NDF:80.5/60

All: -106.253+/-75.101 χ^2/NDF: 141.0/114

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: 646.359+/-0.104 χ^2/NDF: 2090132.3/35

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

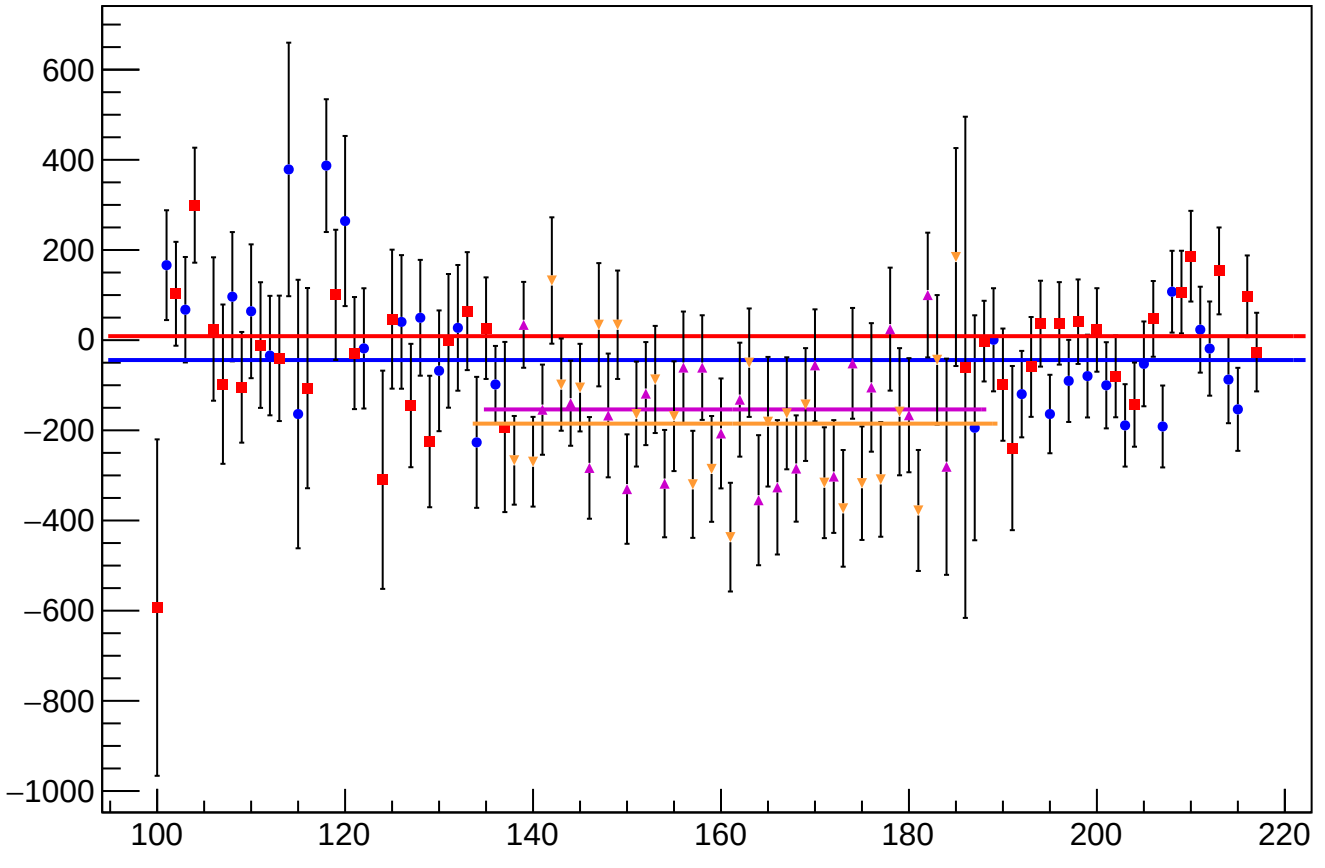
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 651.159+/-0.075 χ^2/NDF: 3327185.6/66

In: 650.171+/-0.076 χ^2/NDF:1798224.1/53

Out: 647.759+/-0.074 χ^2/NDF:2508863.3/60

All: 648.929+/-0.053 χ^2/NDF: 4307602.6/114



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: 8.861+/-19.573 χ^2/NDF: 32.3/35

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

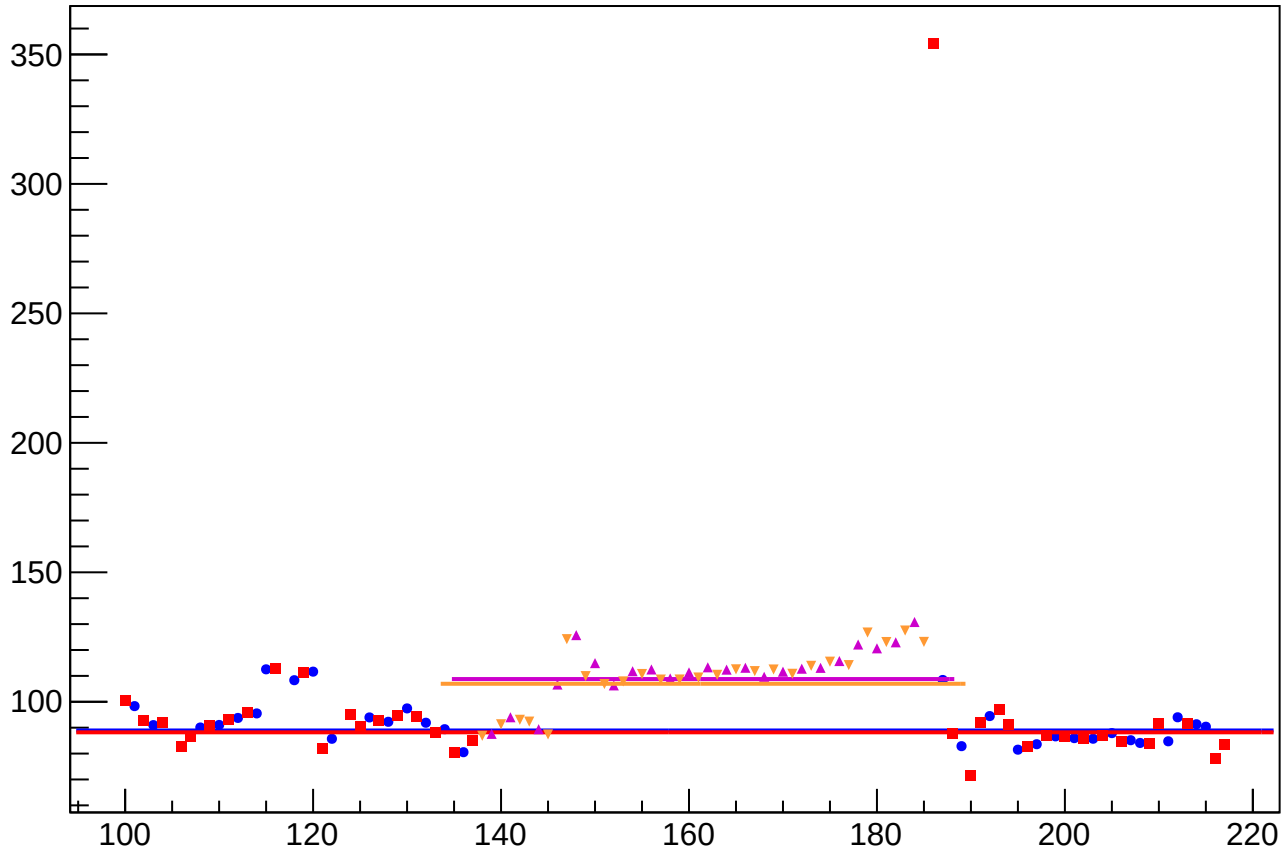
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -16.666+/-14.088 χ^2/NDF: 72.0/66

In: -86.505+/-15.889 χ^2/NDF:70.9/53

Out: -66.902+/-15.281 χ^2/NDF:103.8/60

All: -76.321+/-11.014 χ^2/NDF: 175.5/114



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: 88.208+/-0.014 χ^2/NDF: 687409.3/35

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

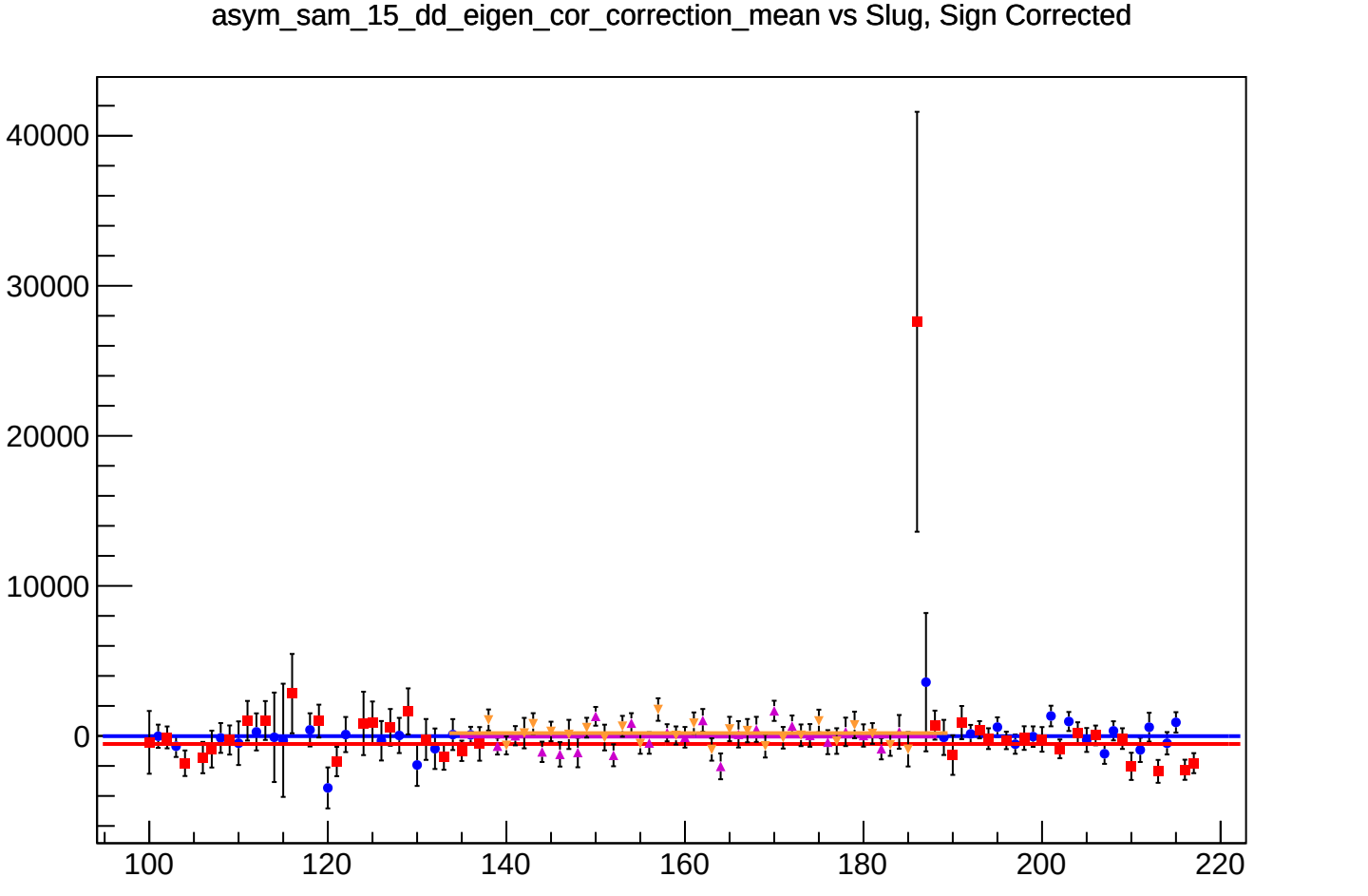
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.550+/-0.010 χ^2/NDF: 886119.6/66

In: 96.606+/-0.011 χ^2/NDF:1297443.2/53

Out: 95.528+/-0.011 χ^2/NDF:1868139.3/60

All: 96.046+/-0.008 χ^2/NDF: 3170364.4/114



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: -536.538+/-147.204 χ^2/NDF: 49.5/35

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

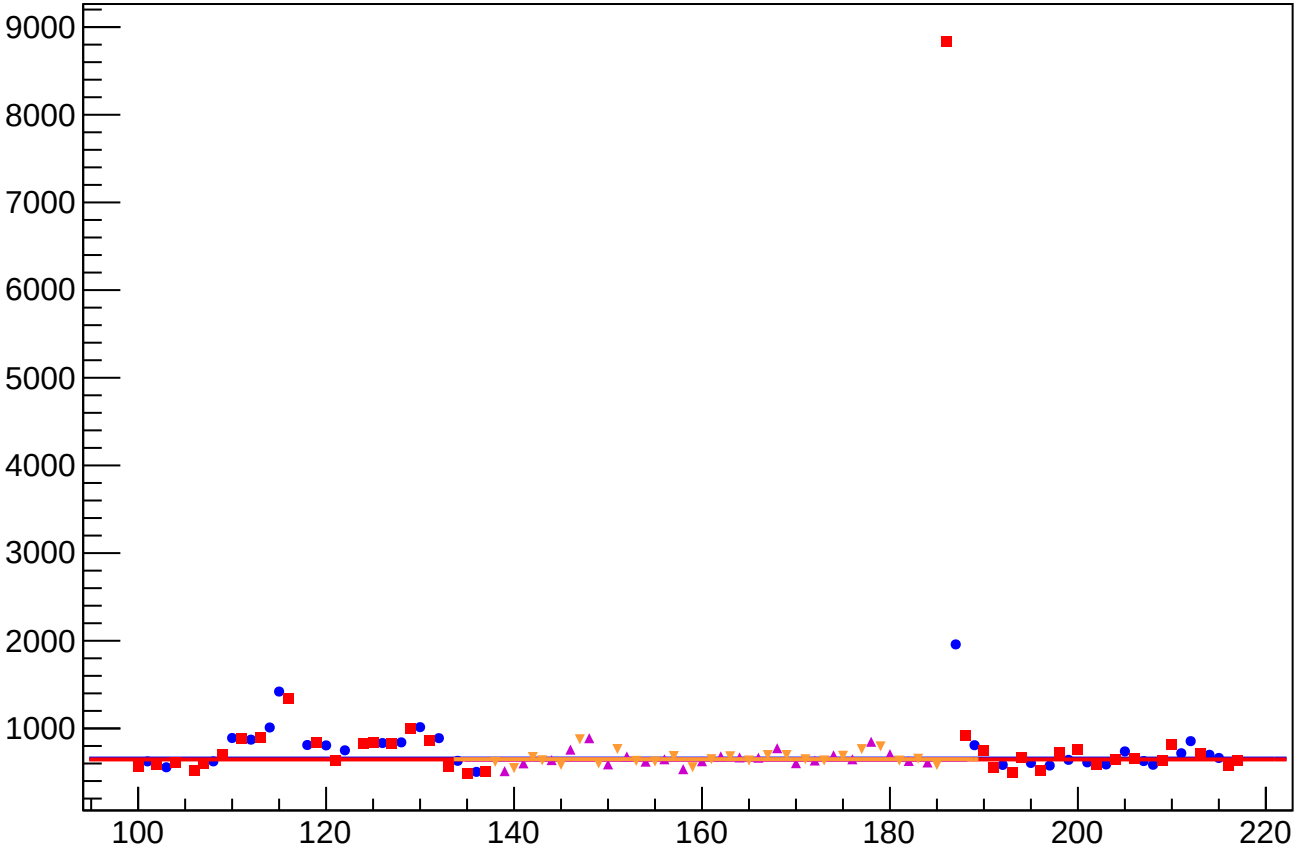
Right: -285.567+/-106.059 χ^2/NDF: 81.3/66

In: -29.034+/-107.833 χ^2/NDF:59.5/53

Out: -178.988+/-104.656 χ^2/NDF:80.5/60

All: -106.253+/-75.101 χ^2/NDF: 141.0/114

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: 646.359+/-0.104 χ^2/NDF: 2090132.3/35

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

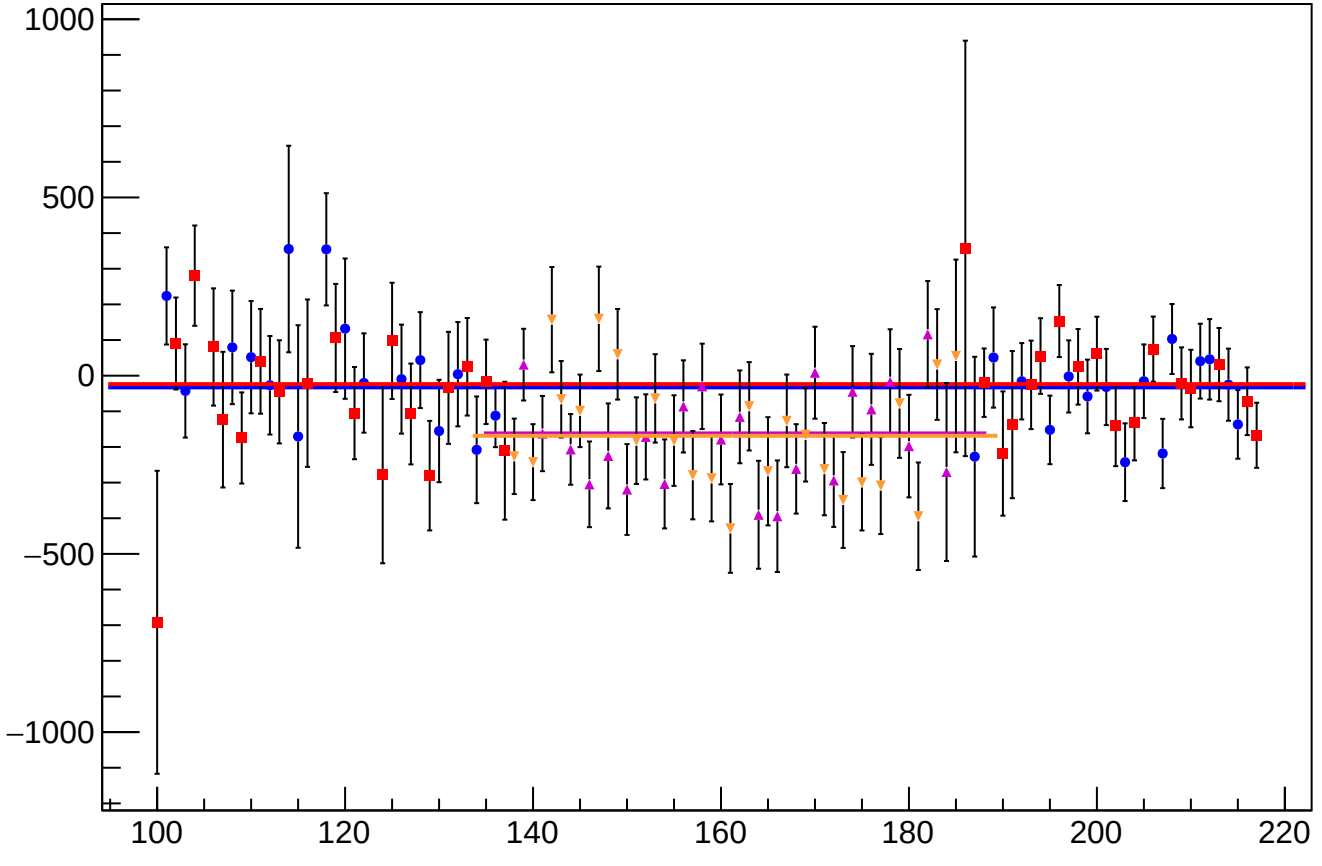
Right: 651.159+/-0.075 χ^2/NDF: 3327185.6/66

In: 650.171+/-0.076 χ^2/NDF:1798224.1/53

Out: 647.759+/-0.074 χ^2/NDF:2508863.3/60

All: 648.929+/-0.053 χ^2/NDF: 4307602.6/114

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -32.838+/-22.090 χ^2/NDF: 30.4/30

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -23.699+/-21.360 χ^2/NDF: 29.9/35

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

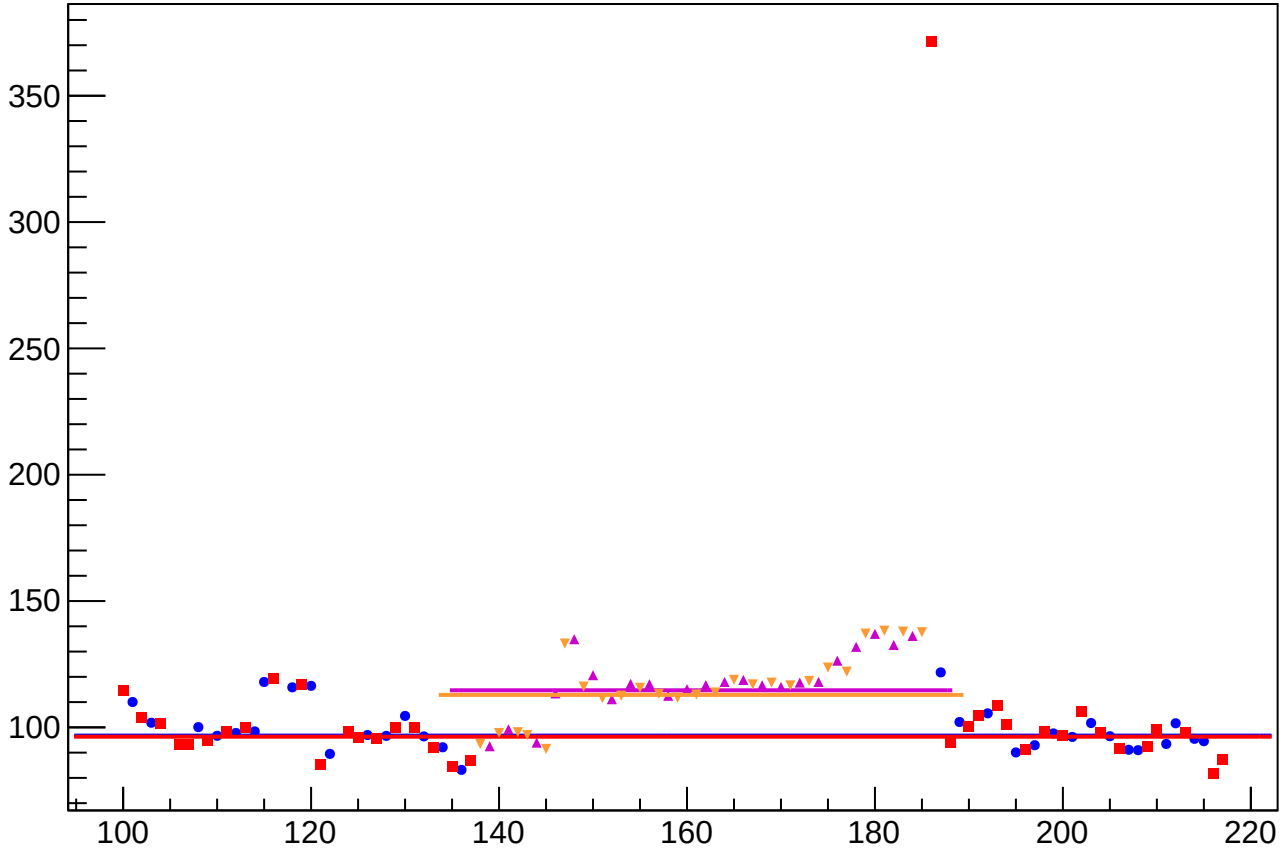
Right: -28.115+/-15.355 χ^2/NDF: 60.4/66

In: -84.760+/-17.084 χ^2/NDF:67.7/53

Out: -82.588+/-16.458 χ^2/NDF:81.0/60

All: -83.633+/-11.853 χ^2/NDF: 148.7/114

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: 96.307+/-0.015 χ^2/NDF: 689267.8/35

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

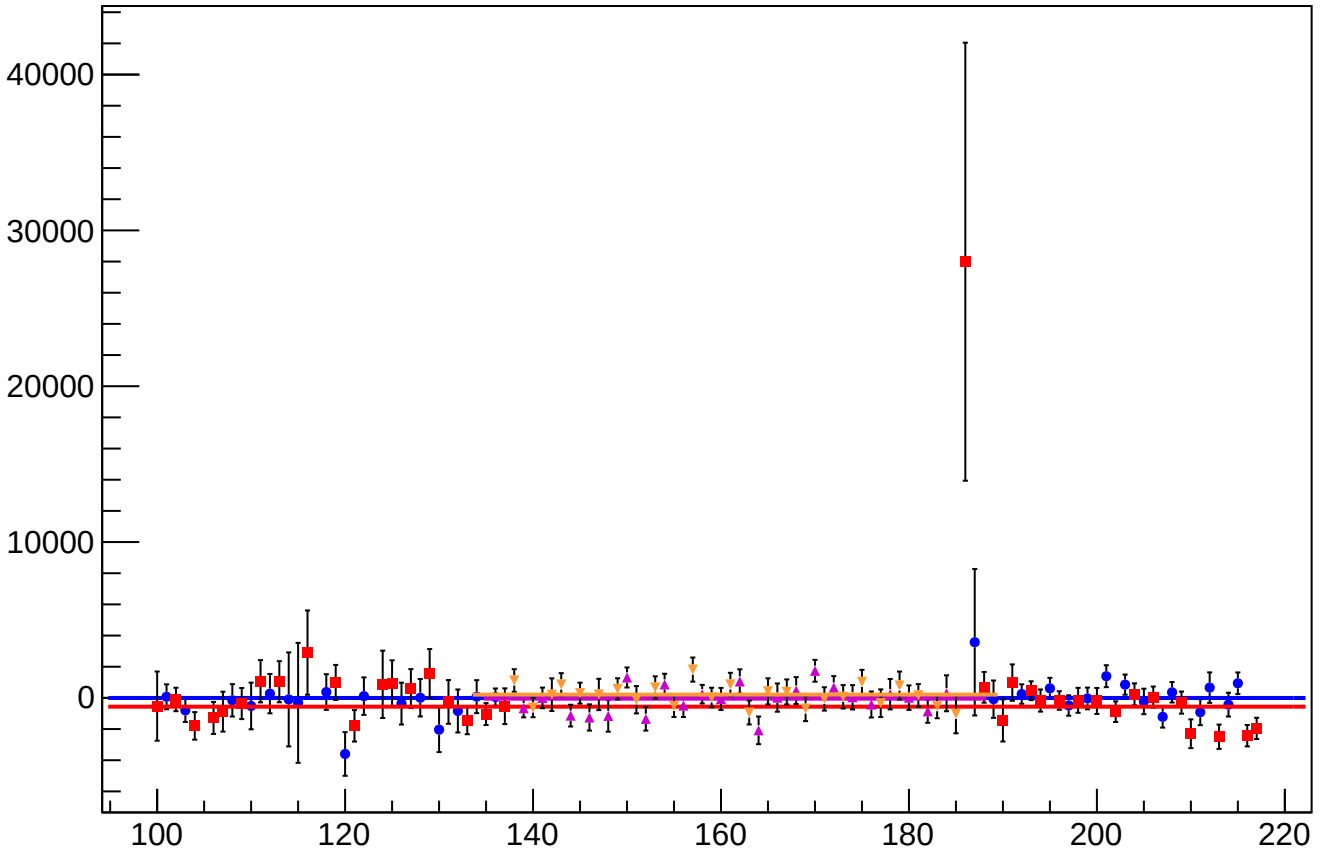
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 96.514+/-0.011 χ^2/NDF: 901664.6/66

In: 103.946+/-0.012 χ^2/NDF:1152197.0/53

Out: 103.028+/-0.012 χ^2/NDF:1688964.7/60

All: 103.470+/-0.008 χ^2/NDF: 2844157.0/114



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: -563.418+/-151.455 χ^2/NDF: 52.3/35

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

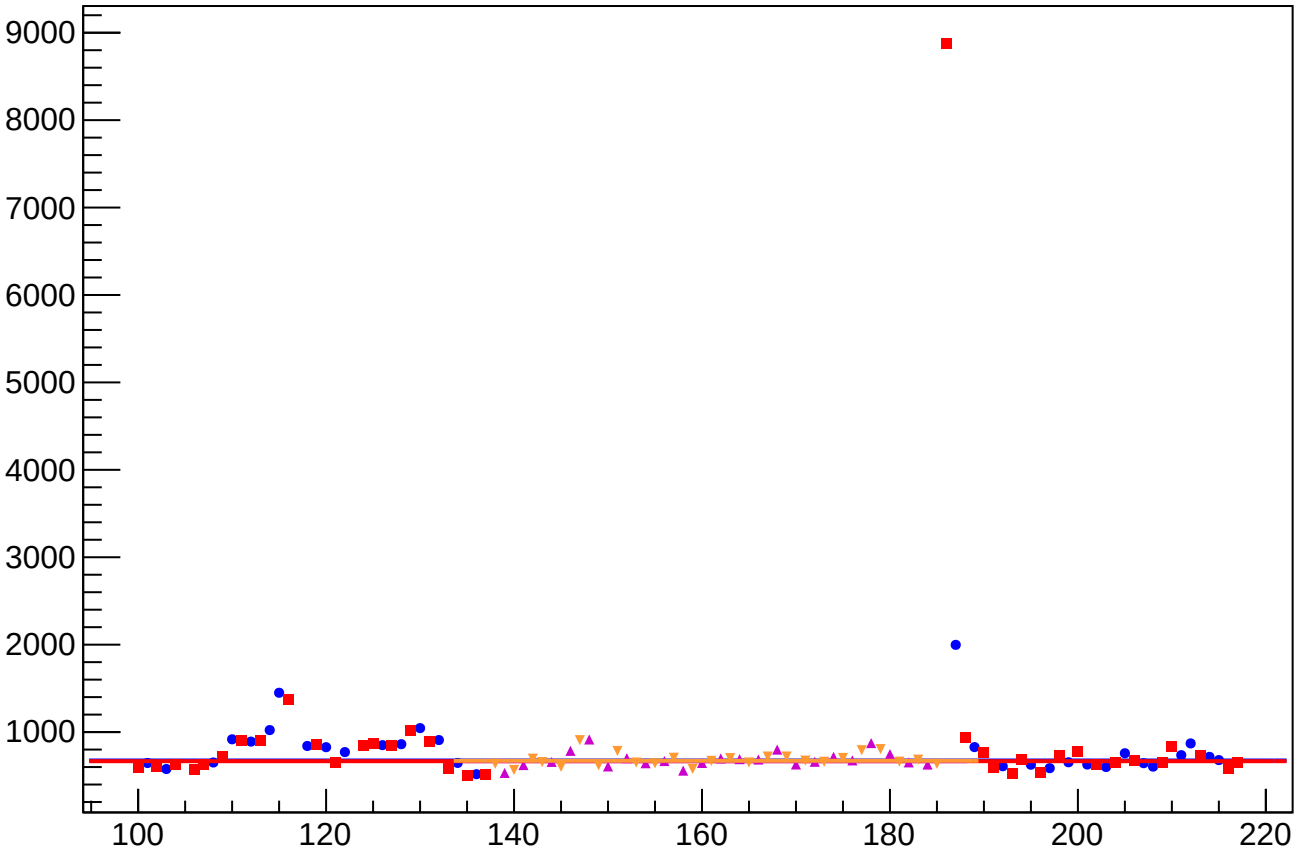
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -294.575+/-109.056 χ^2/NDF: 84.4/66

In: -27.635+/-111.244 χ^2/NDF:59.0/53

Out: -183.271+/-107.958 χ^2/NDF:84.0/60

All: -107.786+/-77.473 χ^2/NDF: 143.9/114



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: 667.101+/-0.107 χ^2/NDF: 1998137.8/35

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

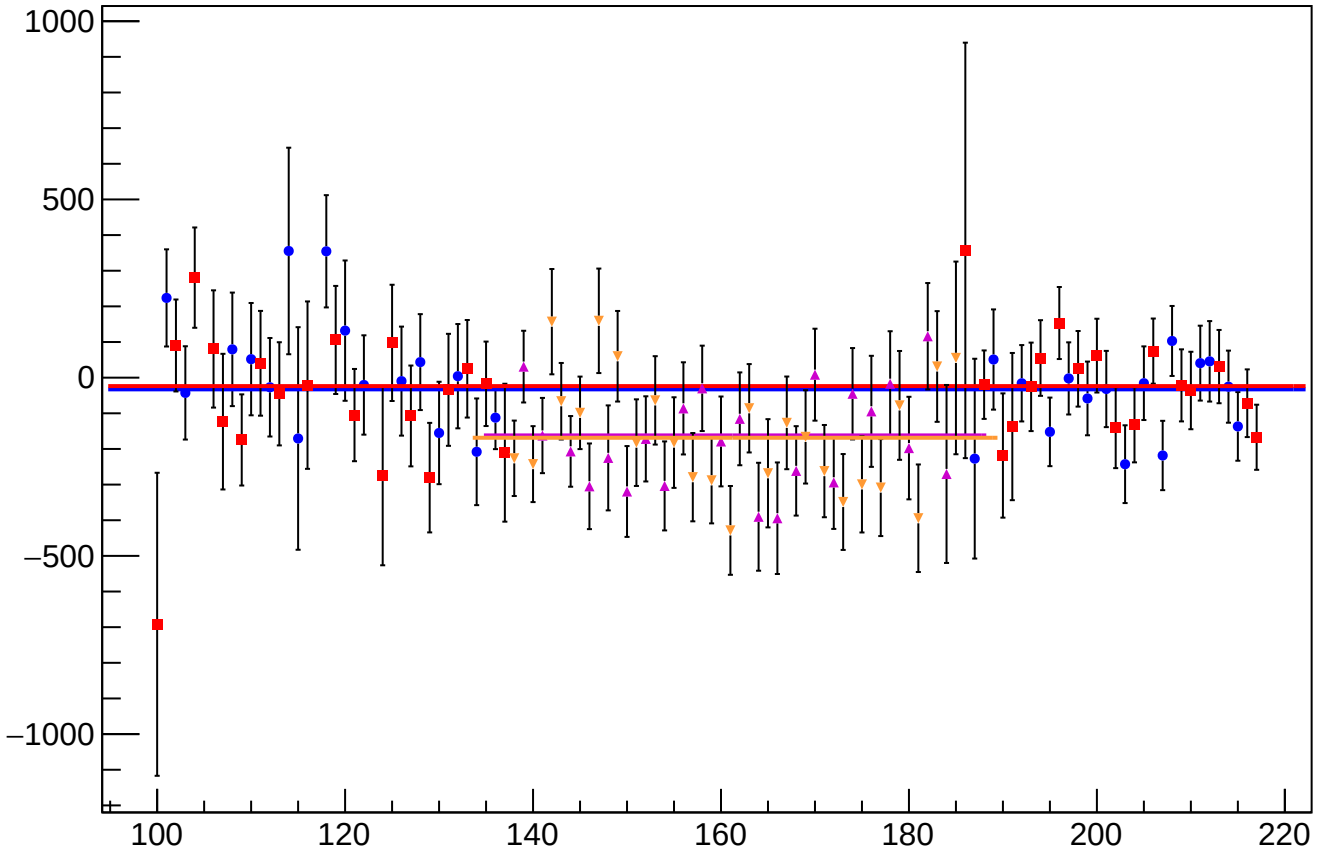
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 670.854+/-0.077 χ^2/NDF: 3211632.6/66

In: 671.126+/-0.079 χ^2/NDF:1760153.4/53

Out: 669.436+/-0.076 χ^2/NDF:2398264.4/60

All: 670.256+/-0.055 χ^2/NDF: 4158655.5/114



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: -23.698+/-21.360 χ^2/NDF: 29.9/35

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

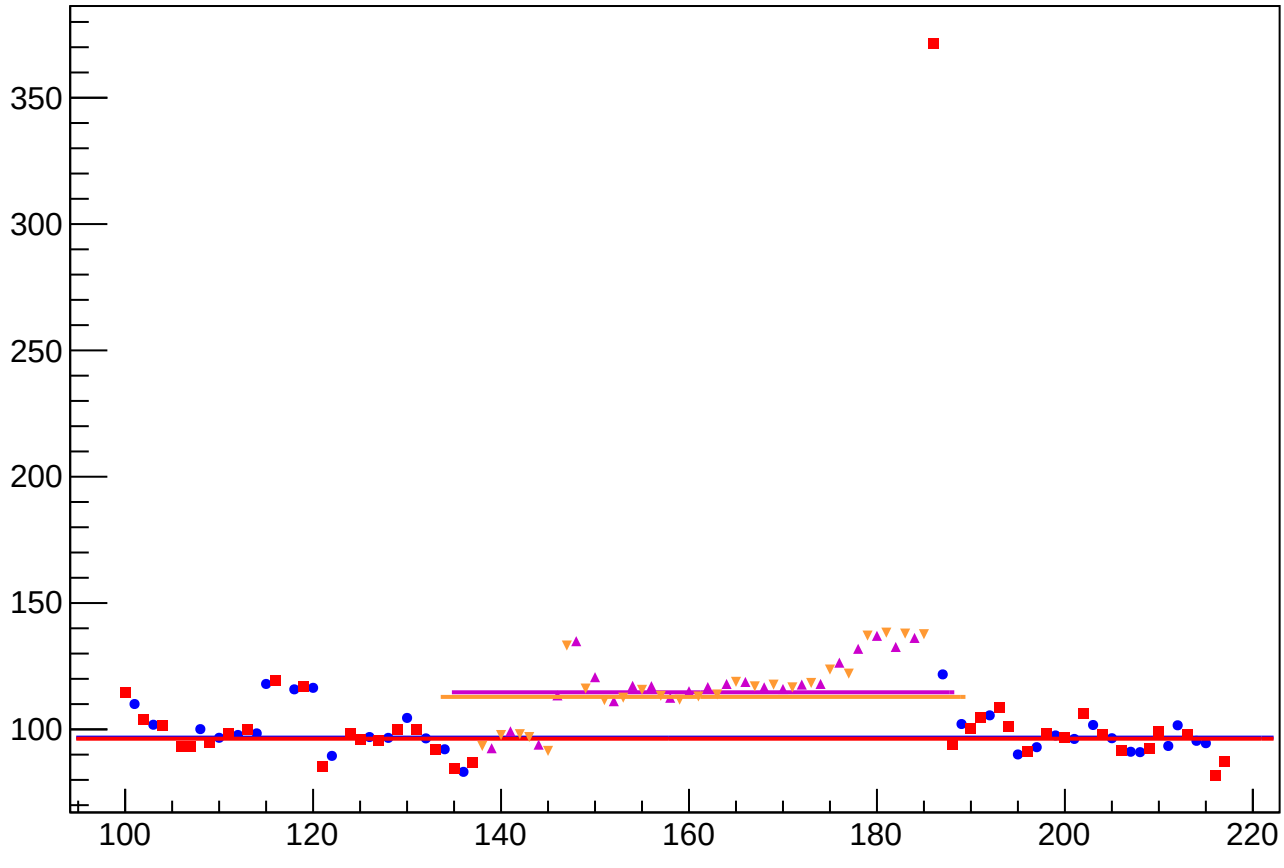
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -28.114+/-15.355 χ^2/NDF: 60.4/66

In: -84.760+/-17.084 χ^2/NDF:67.7/53

Out: -82.587+/-16.458 χ^2/NDF:81.0/60

All: -83.633+/-11.853 χ^2/NDF: 148.7/114



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: 96.306+/-0.015 χ^2/NDF: 689272.9/35

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

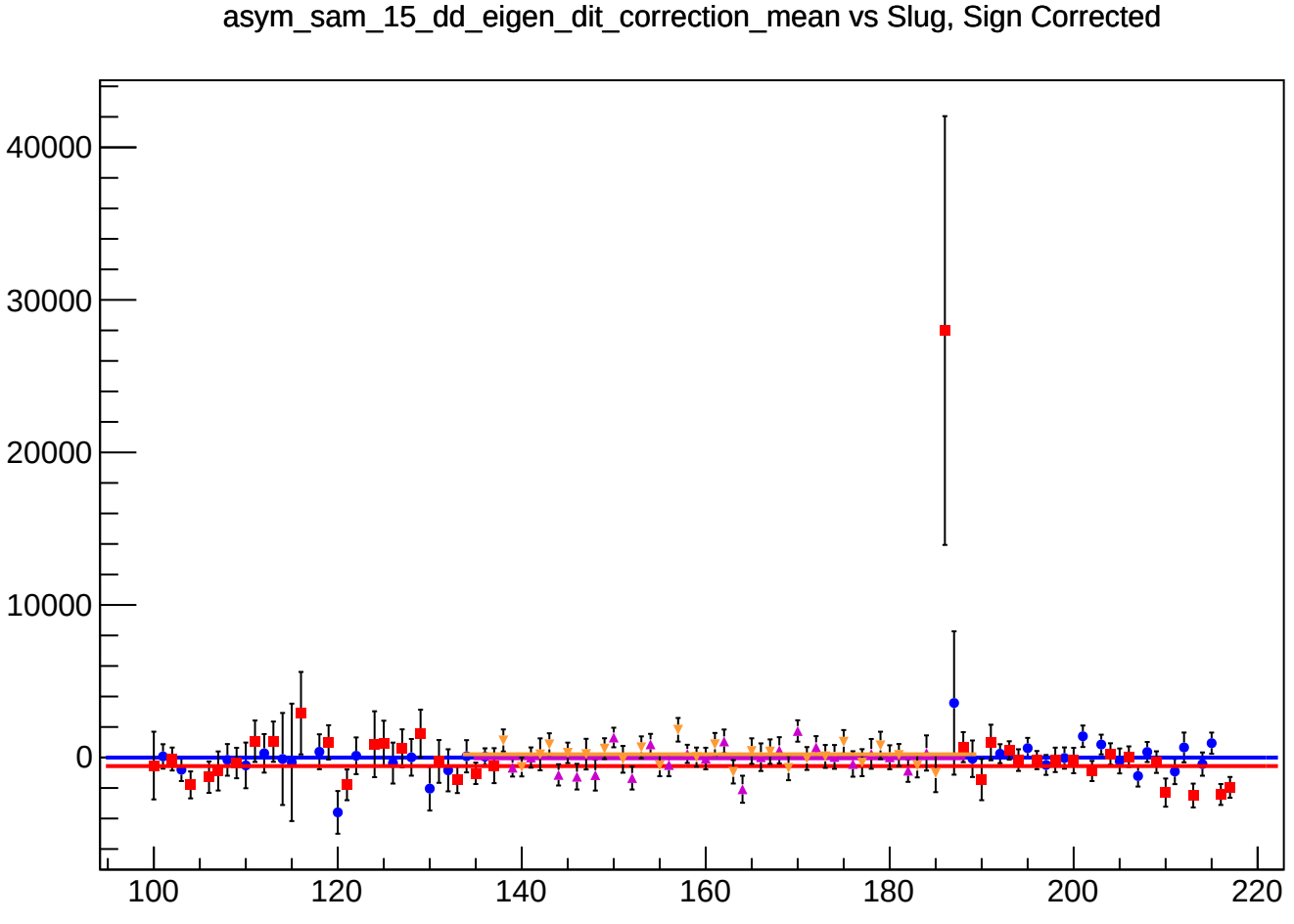
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 96.514+/-0.011 χ^2/NDF: 901673.2/66

In: 103.946+/-0.012 χ^2/NDF:1152211.3/53

Out: 103.028+/-0.012 χ^2/NDF:1688976.1/60

All: 103.470+/-0.008 χ^2/NDF: 2844183.0/114



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: -563.418+/-151.455 χ^2/NDF: 52.3/35

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

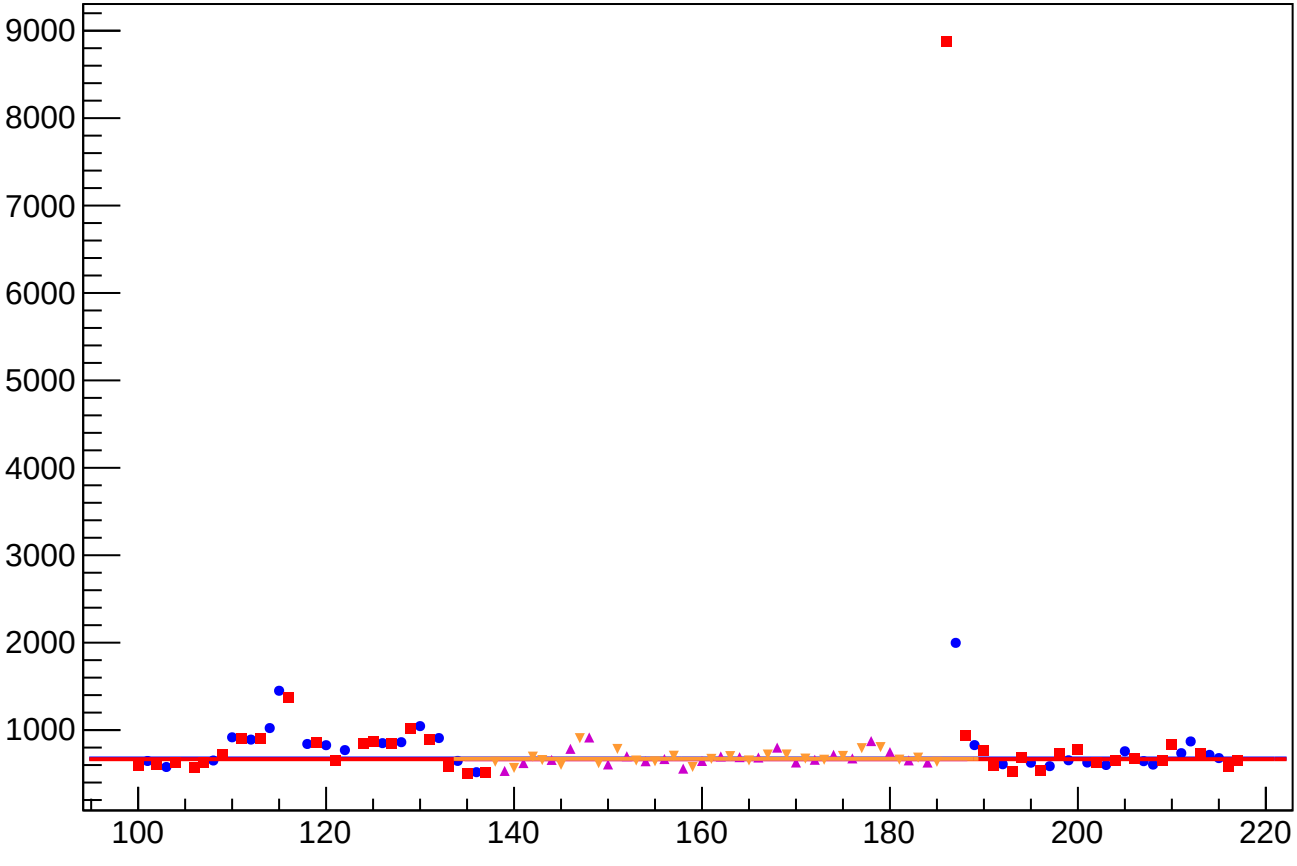
Right: -294.575+/-109.056 χ^2/NDF: 84.4/66

In: -27.635+/-111.244 χ^2/NDF:59.0/53

Out: -183.272+/-107.958 χ^2/NDF:84.0/60

All: -107.786+/-77.473 χ^2/NDF: 143.9/114

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 674.895+/-0.111 χ^2/NDF: 1210944.0/30

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 667.100+/-0.107 χ^2/NDF: 1998144.3/35

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

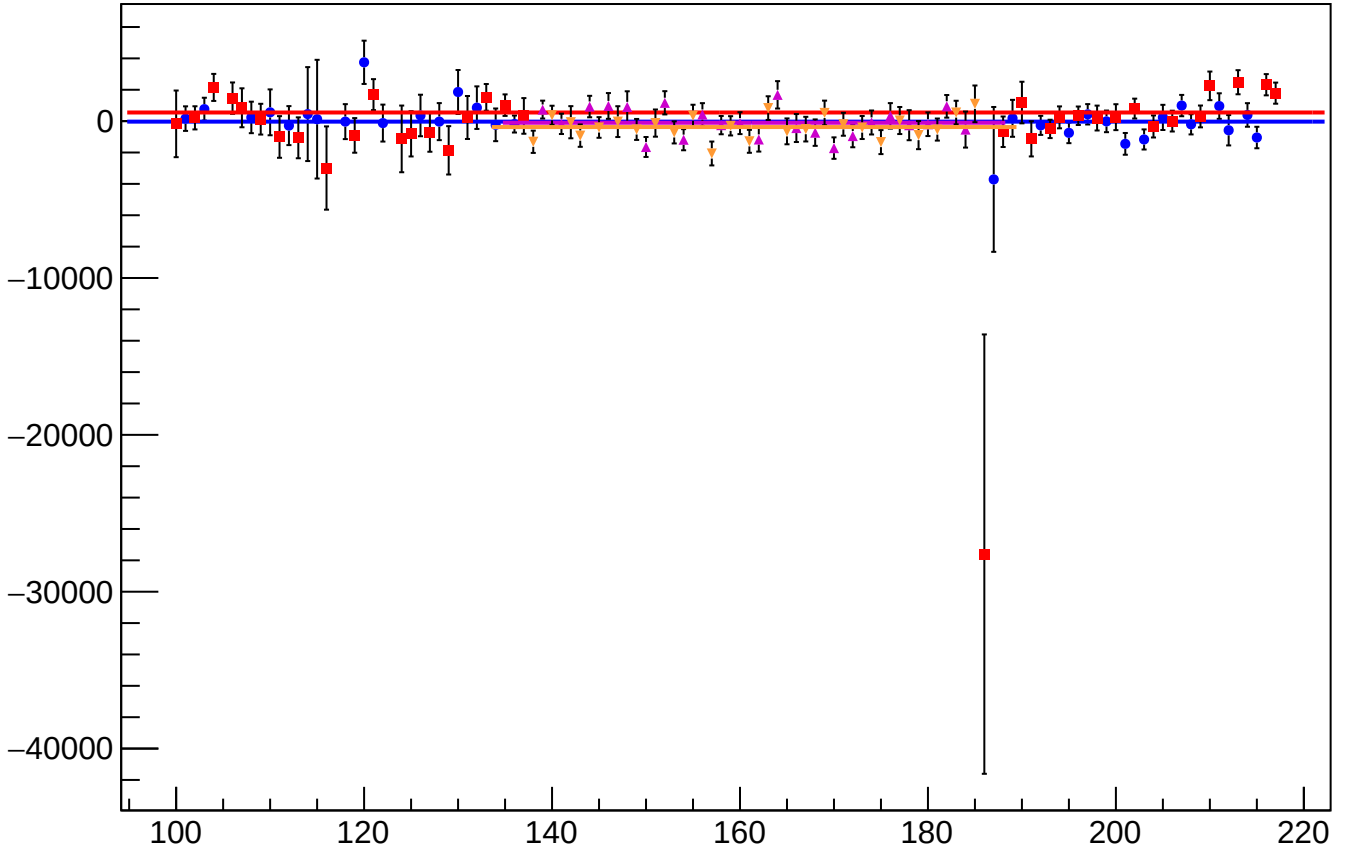
Right: 670.854+/-0.077 χ^2/NDF: 3211639.4/66

In: 671.126+/-0.079 χ^2/NDF:1760154.9/53

Out: 669.436+/-0.076 χ^2/NDF:2398271.9/60

All: 670.256+/-0.055 χ^2/NDF: 4158664.6/114

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: 551.098+/-148.558 χ^2/NDF: 54.0/35

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

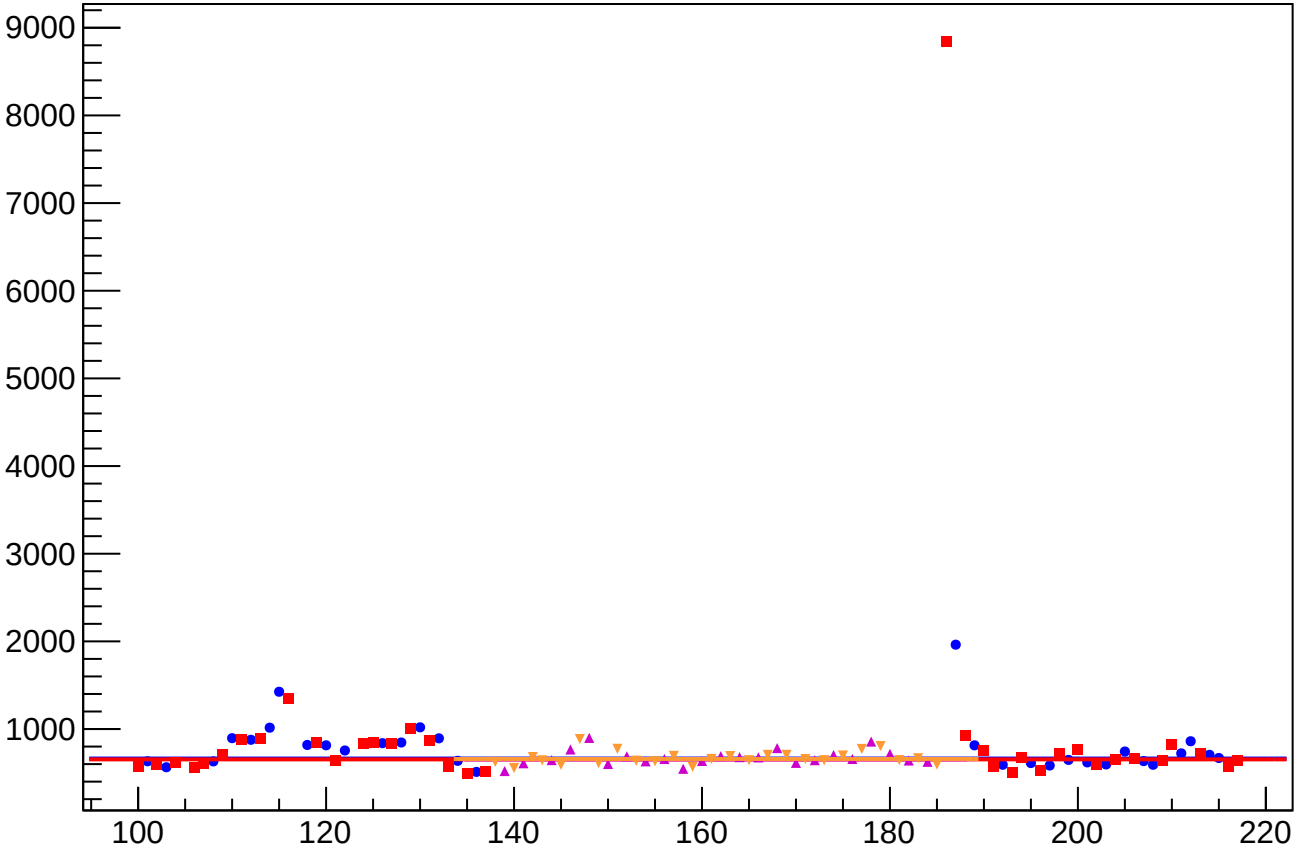
Right: 270.933+/-107.073 χ^2/NDF: 89.6/66

In: -67.662+/-109.176 χ^2/NDF:63.8/53

Out: 94.356+/-105.883 χ^2/NDF:94.6/60

All: 15.828+/-76.008 χ^2/NDF: 159.5/114

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: 653.898+/-0.105 χ^2/NDF: 2039485.9/35

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

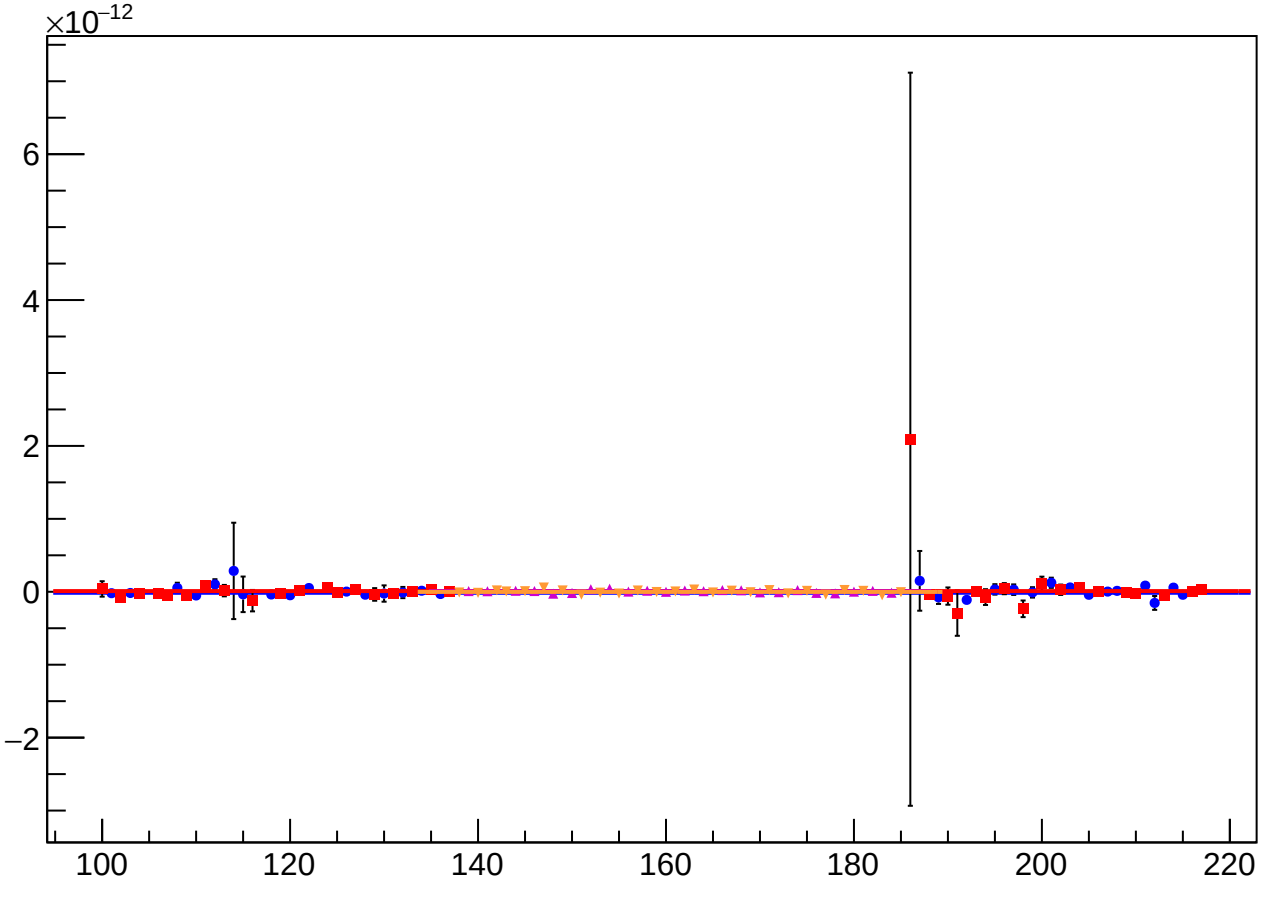
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 658.391+/-0.076 χ^2/NDF: 3248226.6/66

In: 658.596+/-0.077 χ^2/NDF:1750638.6/53

Out: 656.247+/-0.075 χ^2/NDF:2450186.5/60

All: 657.385+/-0.054 χ^2/NDF: 4201302.0/114



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: 28.4/35

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

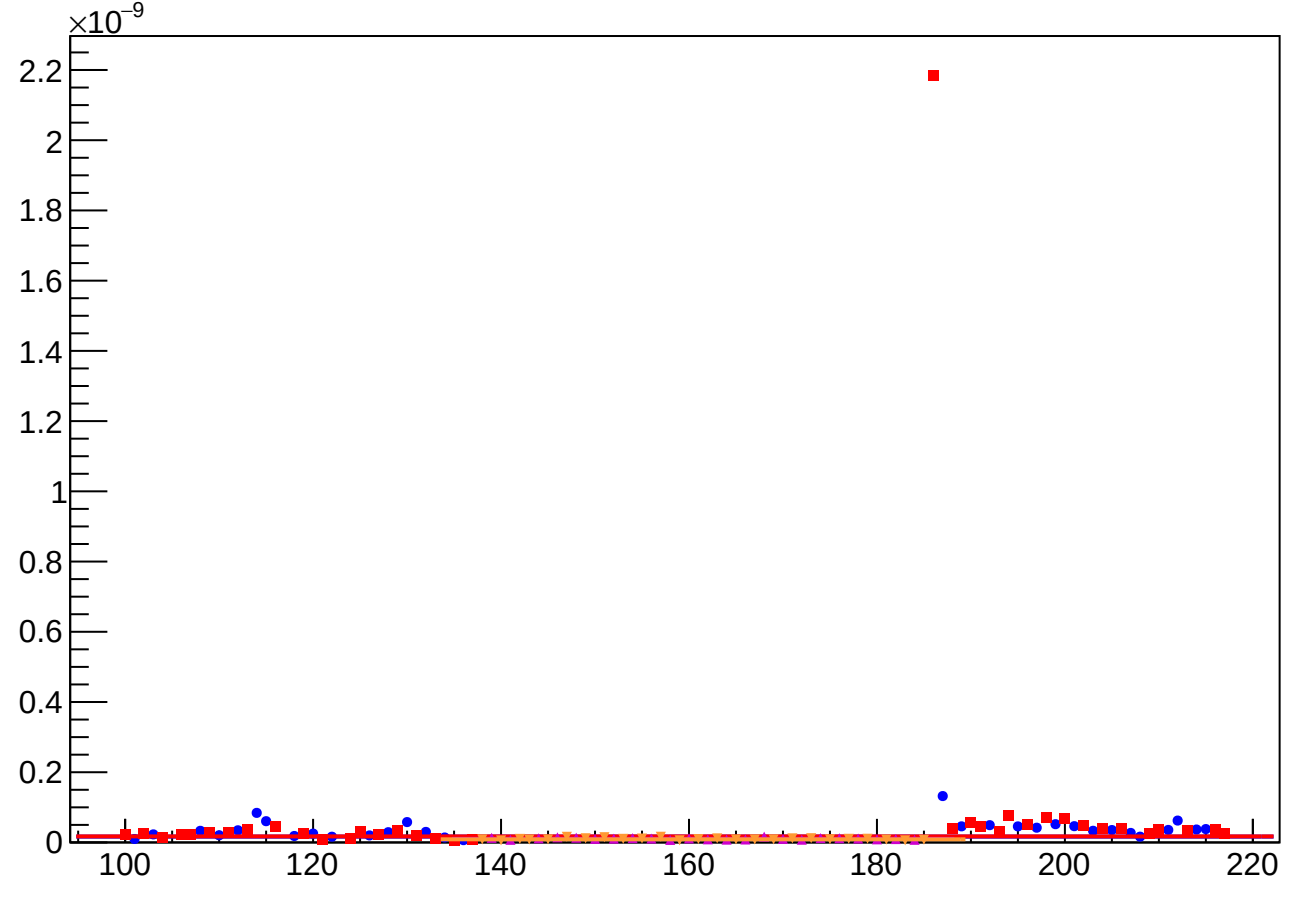
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 62.9/66

In: 0.000+/-0.000 χ^2/NDF:52.0/53

Out: 0.000+/-0.000 χ^2/NDF:62.3/60

All: 0.000+/-0.000 χ^2/NDF: 114.6/114



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: 8093826.3/35

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

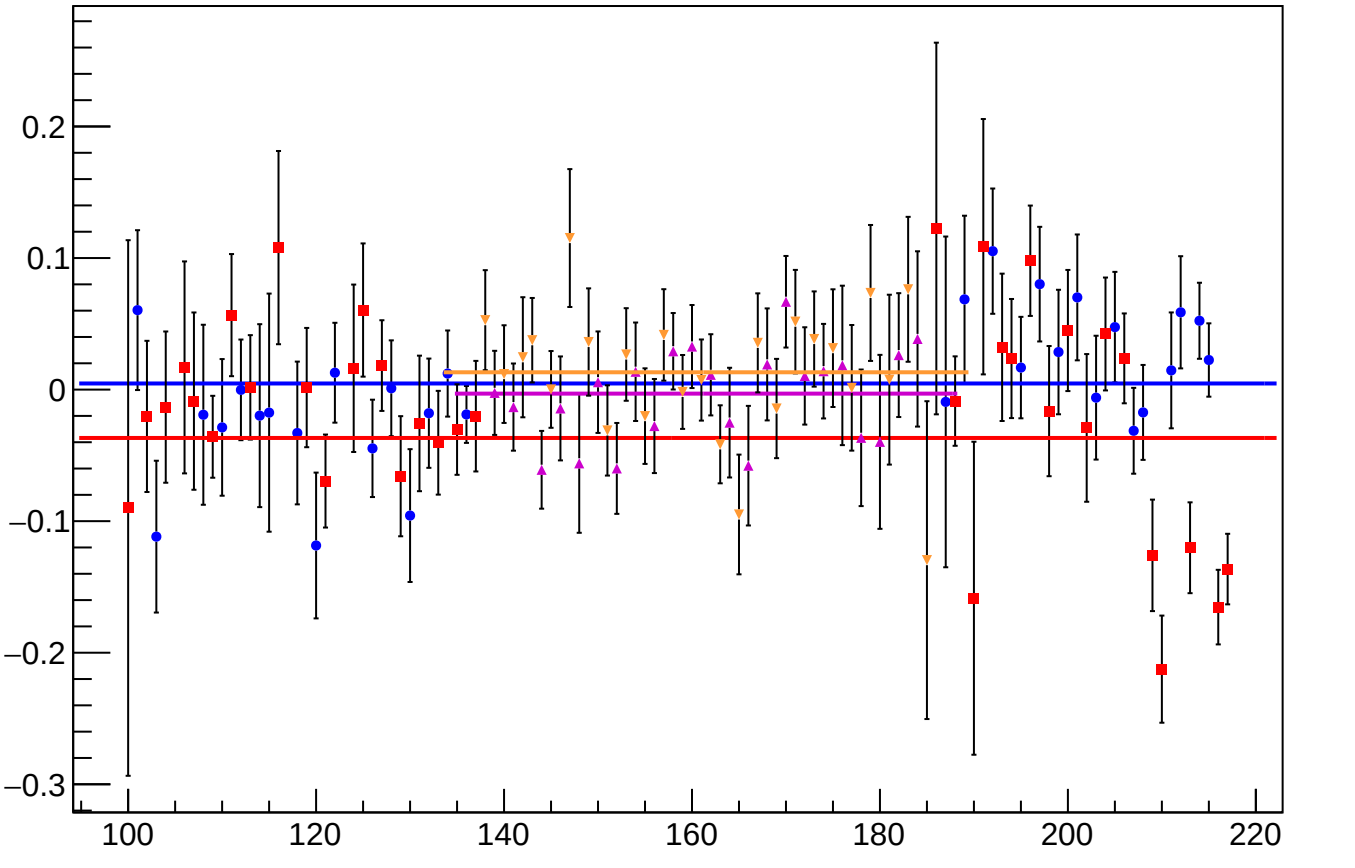
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15223929.1/66

In: 0.000+/-0.000 χ^2/NDF:9115355.8/53

Out: 0.000+/-0.000 χ^2/NDF:11410109.3/60

All: 0.000+/-0.000 χ^2/NDF: 20660660.2/114



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: -0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

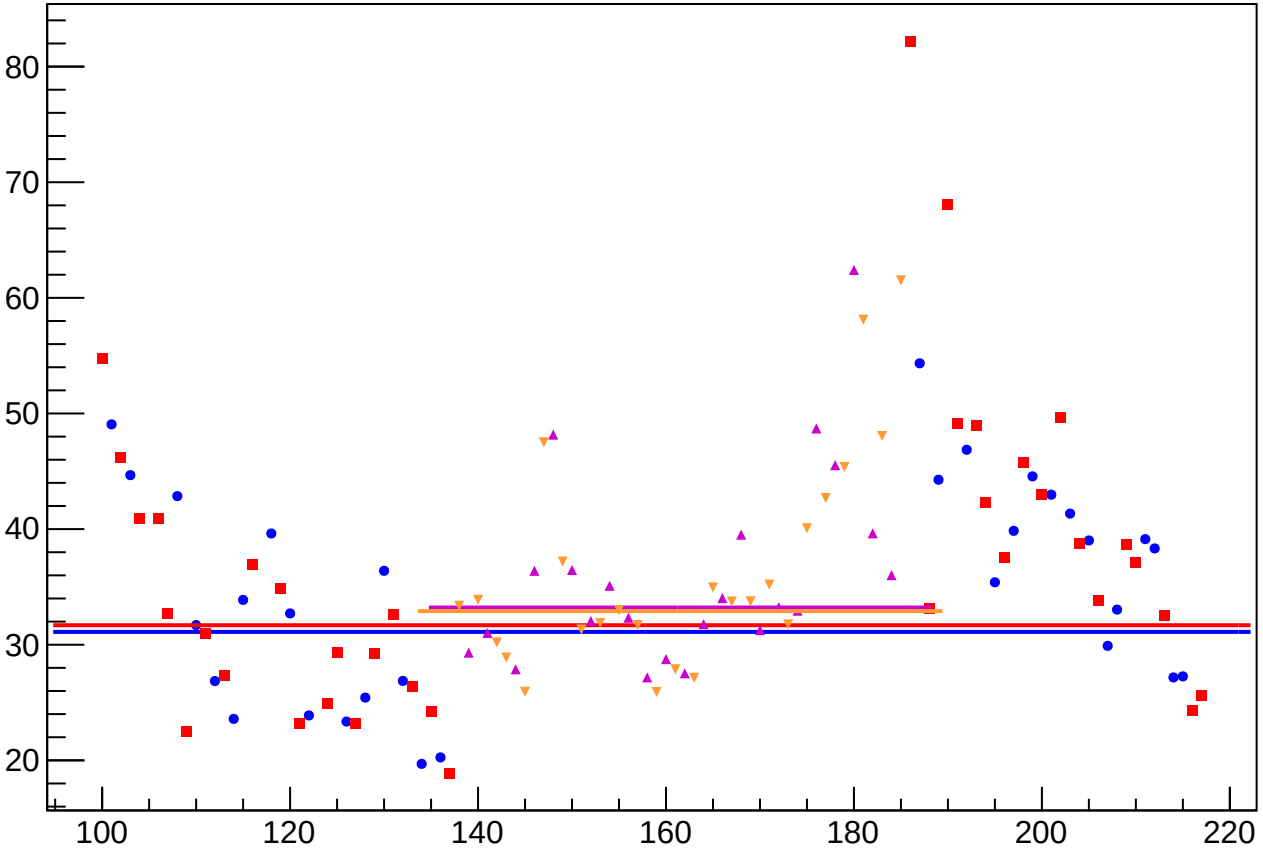
Right: -0.016+/-0.005 χ^2/NDF: 163.3/66

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.013+/-0.005 χ^2/NDF:158.5/60

All: -0.006+/-0.004 χ^2/NDF: 218.2/114

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: 31.686+/-0.005 χ^2/NDF: 2763108.1/35

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

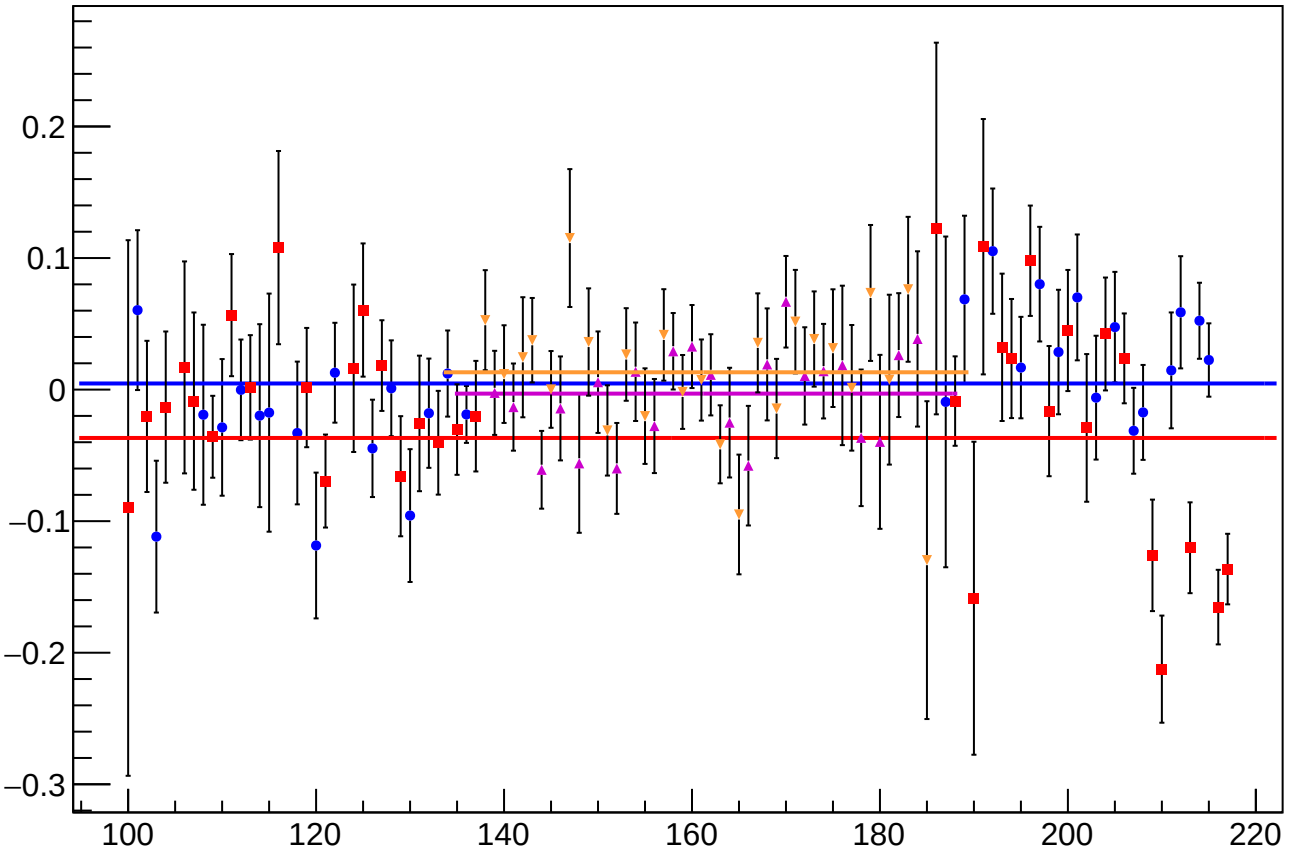
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.402+/-0.004 χ^2/NDF: 5348578.8/66

In: 32.089+/-0.004 χ^2/NDF:3875733.4/53

Out: 32.267+/-0.004 χ^2/NDF:4217547.4/60

All: 32.180+/-0.003 χ^2/NDF: 8094383.1/114



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: -0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

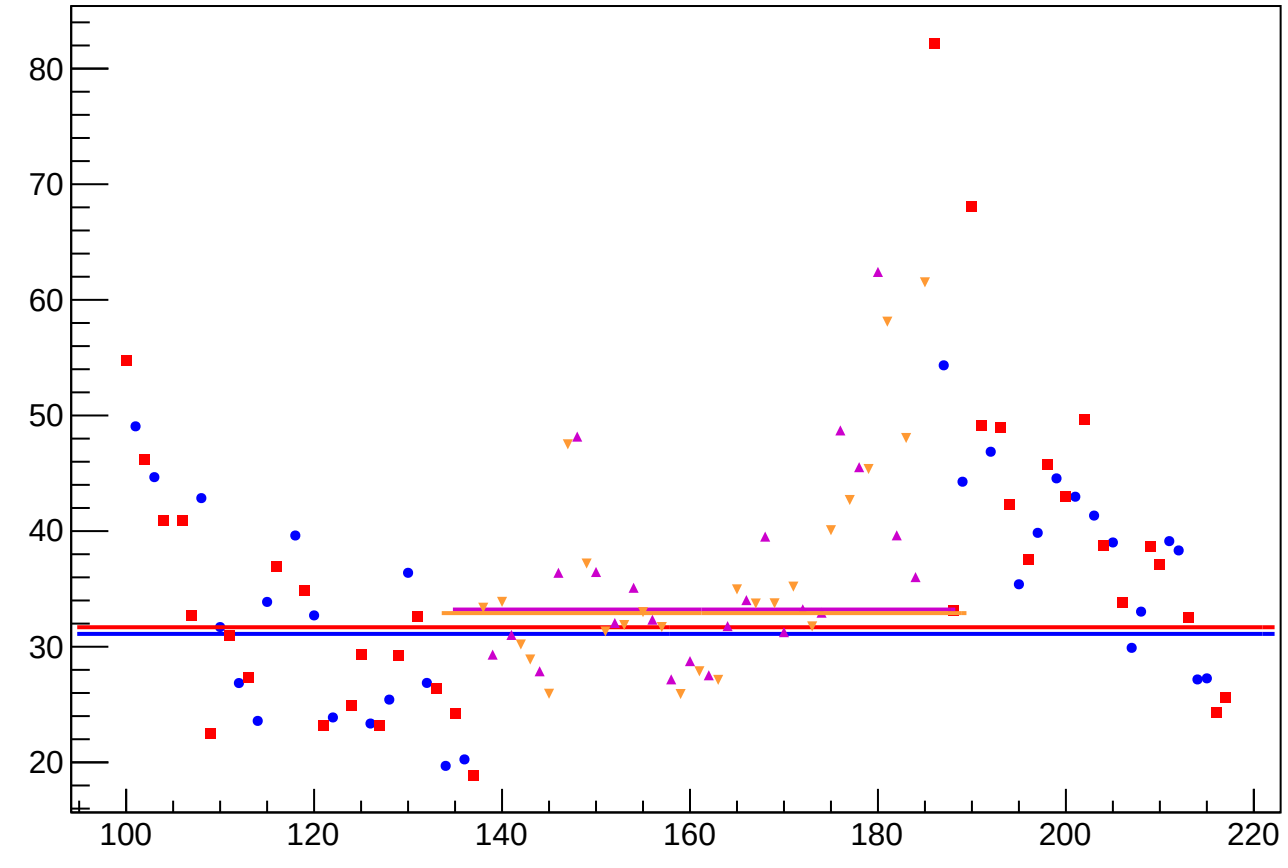
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.016+/-0.005 χ^2/NDF: 163.3/66

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.013+/-0.005 χ^2/NDF:158.5/60

All: -0.006+/-0.004 χ^2/NDF: 218.2/114



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: 31.686+/-0.005 χ^2/NDF: 2763108.1/35

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

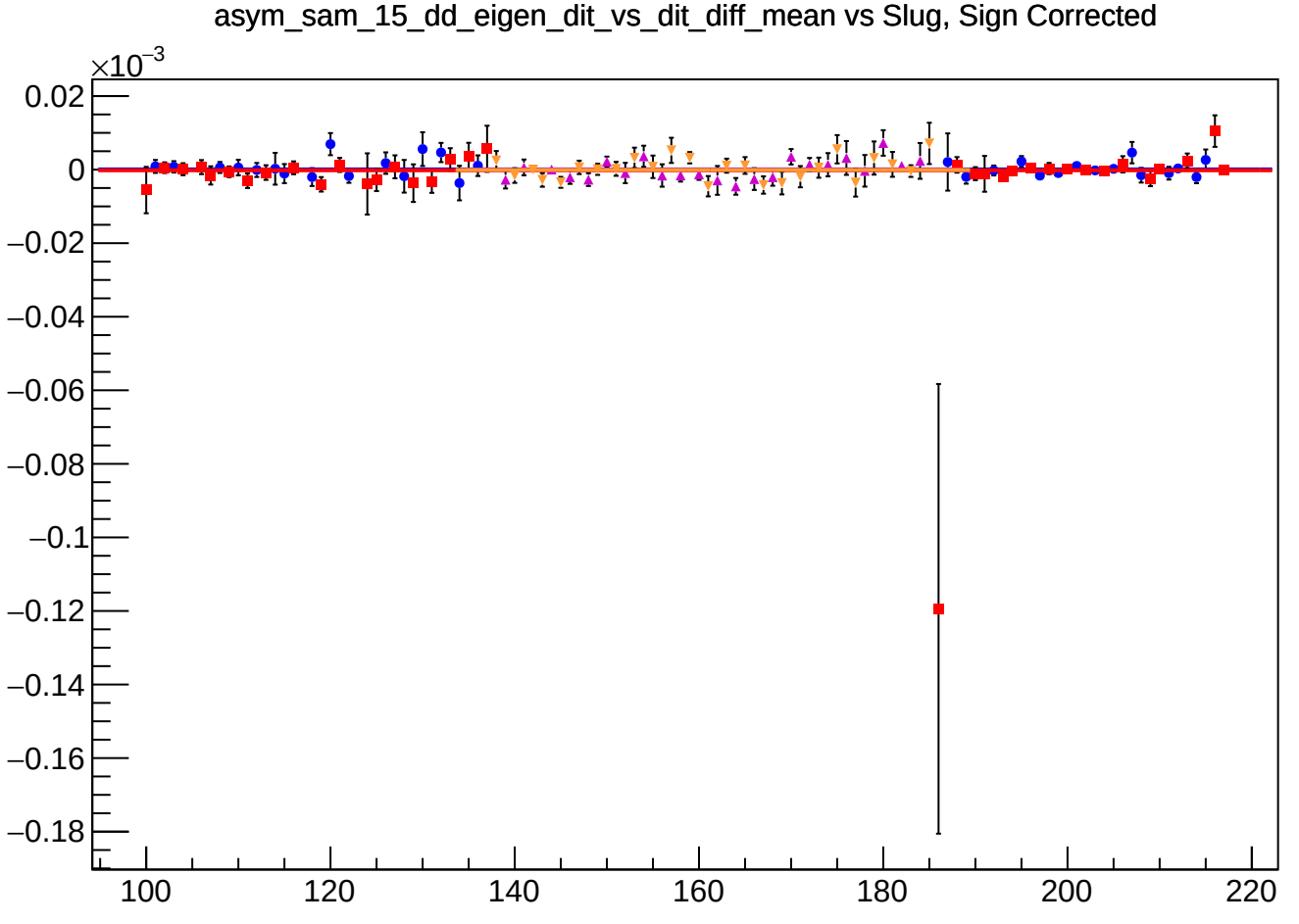
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.402+/-0.004 χ^2/NDF: 5348578.8/66

In: 32.089+/-0.004 χ^2/NDF:3875733.4/53

Out: 32.267+/-0.004 χ^2/NDF:4217547.4/60

All: 32.180+/-0.003 χ^2/NDF: 8094383.1/114



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: 31.1/35

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

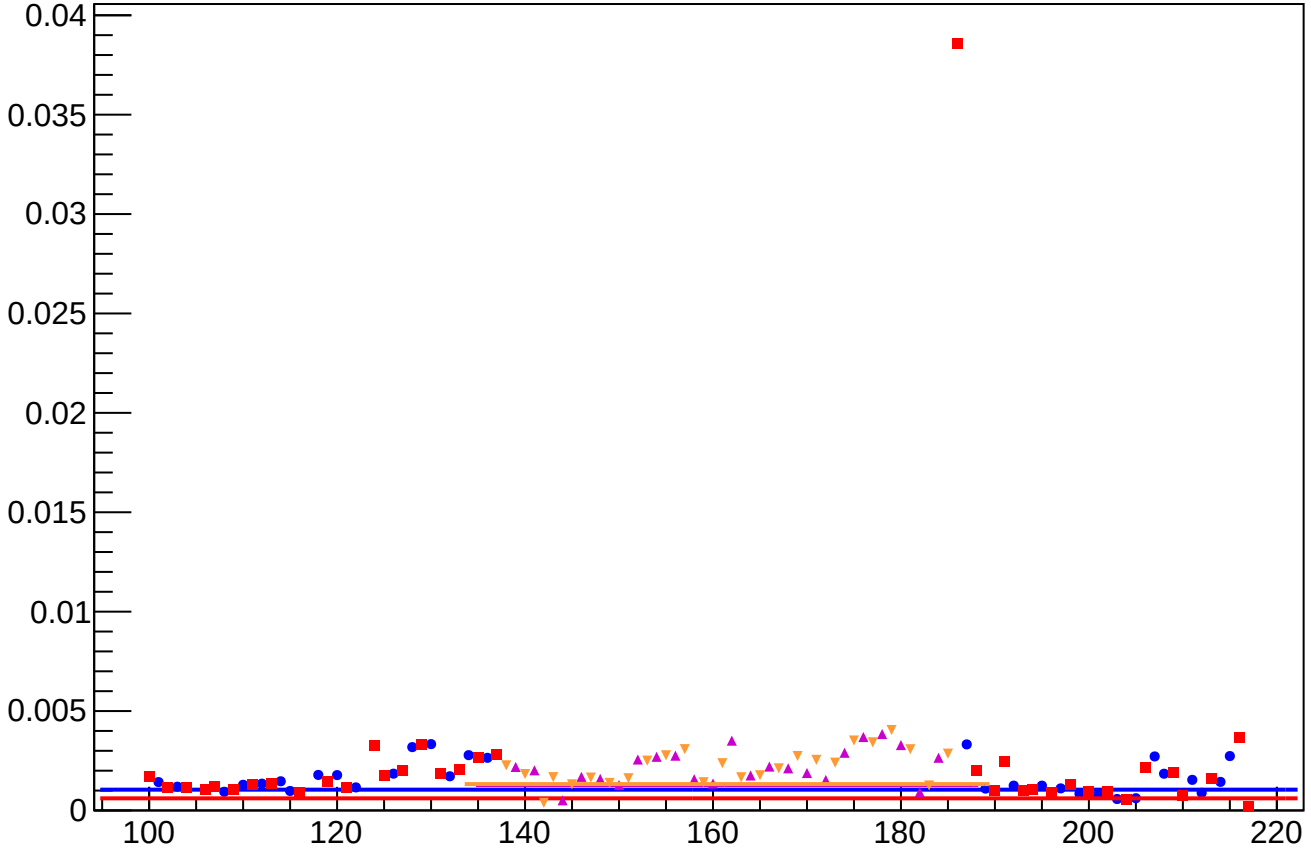
Right: -0.000+/-0.000 χ^2/NDF: 58.9/66

In: 0.000+/-0.000 χ^2/NDF:54.3/53

Out: -0.000+/-0.000 χ^2/NDF:62.2/60

All: -0.000+/-0.000 χ^2/NDF: 116.9/114

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6823467.7/30

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 17256639.1/35

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

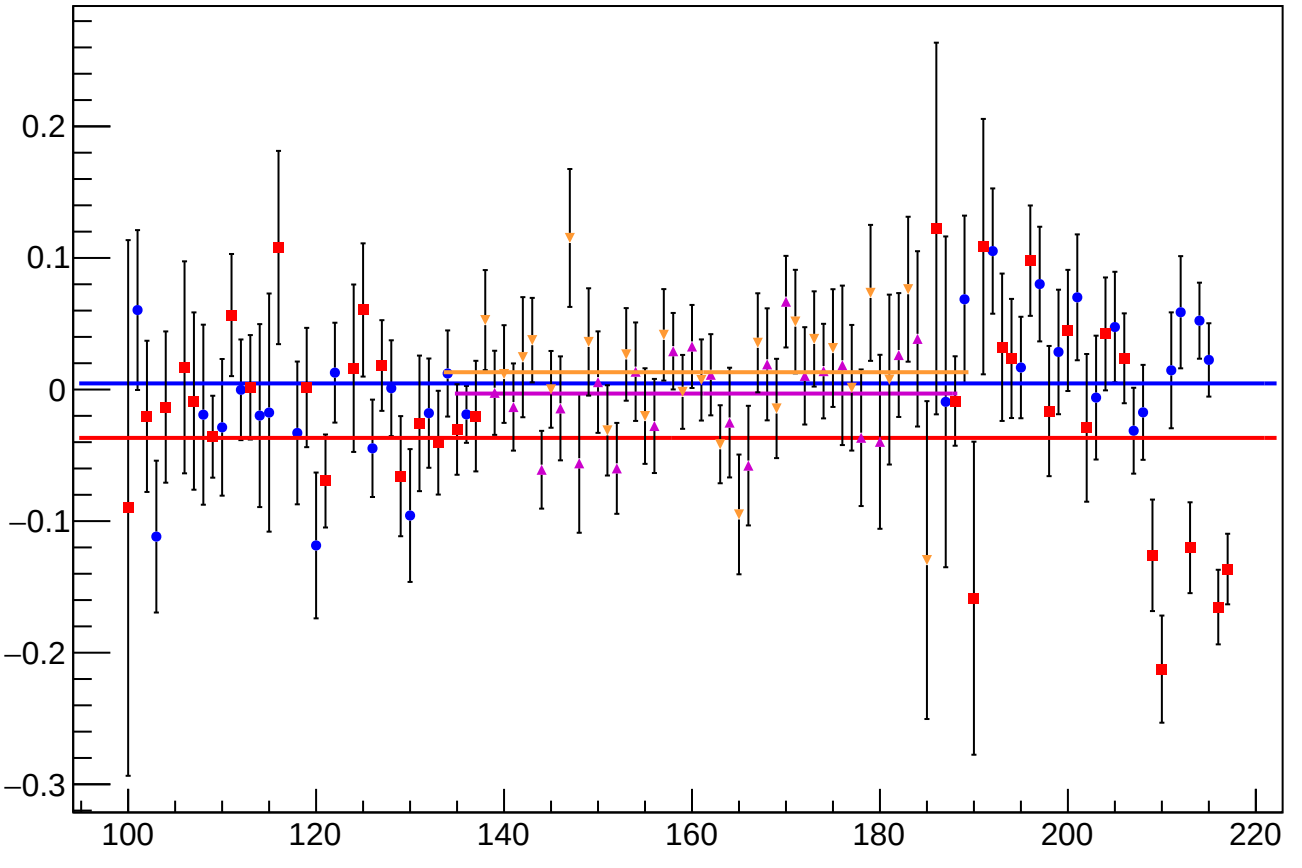
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 27508168.5/66

In: 0.001+/-0.000 χ^2/NDF:17218439.5/53

Out: 0.001+/-0.000 χ^2/NDF:34496669.5/60

All: 0.001+/-0.000 χ^2/NDF: 55427084.9/114



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: -0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

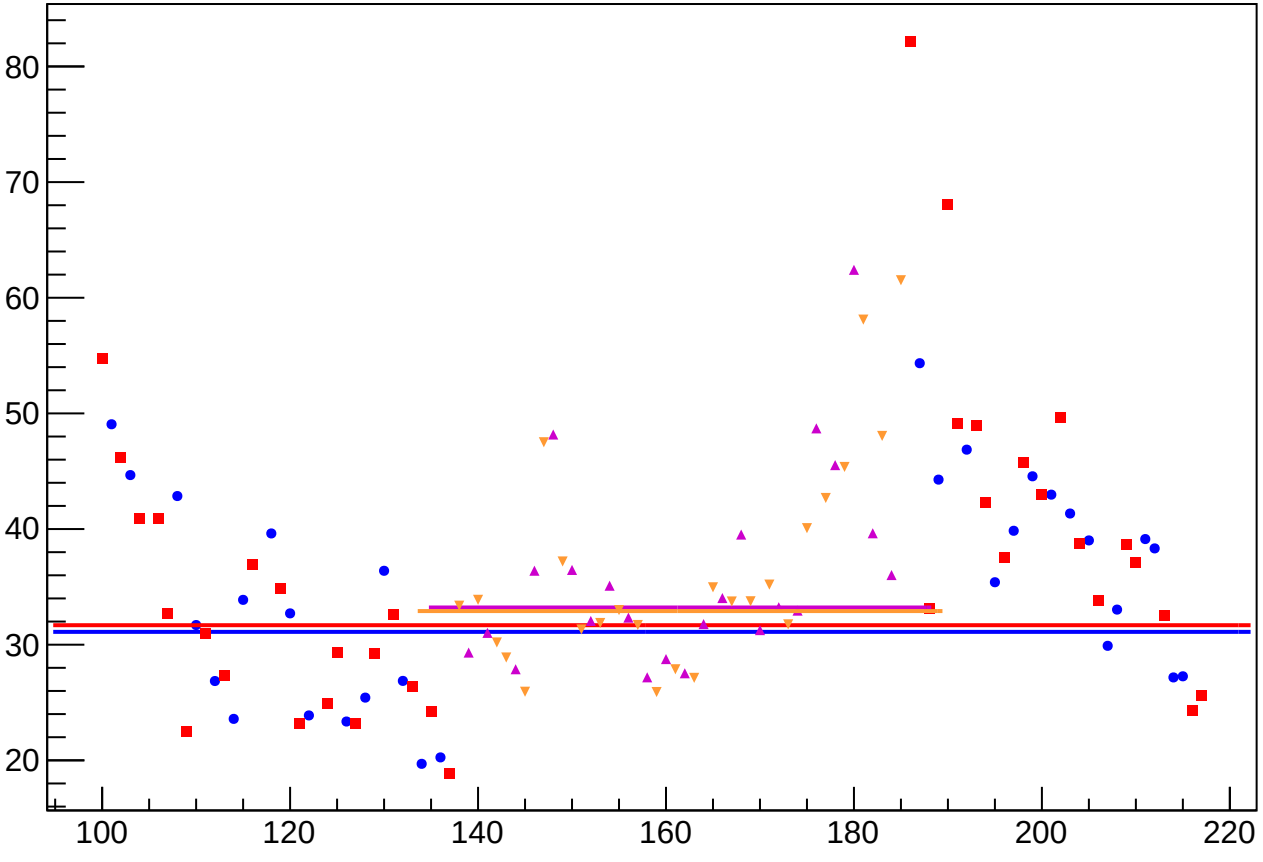
Right: -0.016+/-0.005 χ^2/NDF: 163.3/66

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.013+/-0.005 χ^2/NDF:158.5/60

All: -0.006+/-0.004 χ^2/NDF: 218.2/114

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: 31.685+/-0.005 χ^2/NDF: 2763489.2/35

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

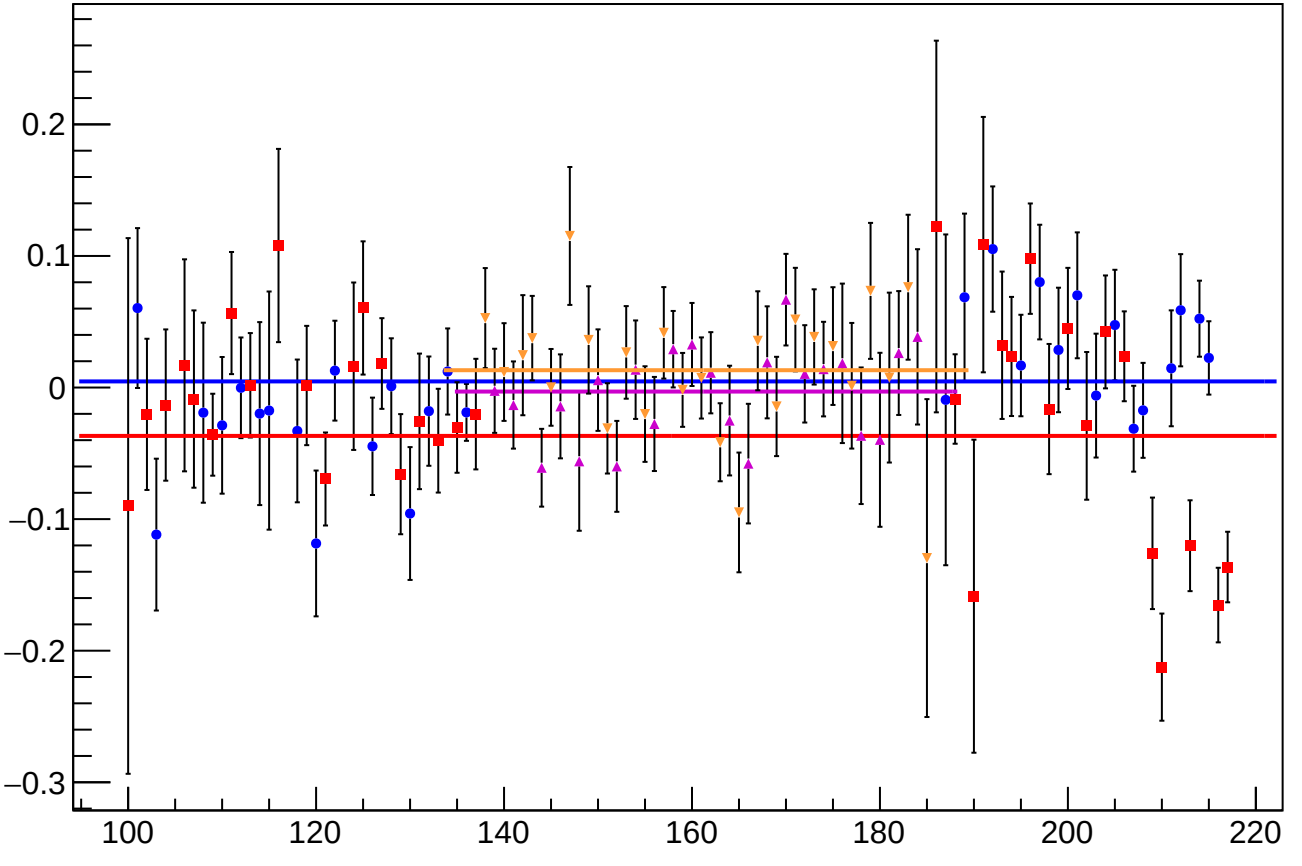
Right: 31.401+/-0.004 χ^2/NDF: 5349127.1/66

In: 32.089+/-0.004 χ^2/NDF:3876029.8/53

Out: 32.266+/-0.004 χ^2/NDF:4218045.0/60

All: 32.180+/-0.003 χ^2/NDF: 8095173.5/114

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 36.6/30

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

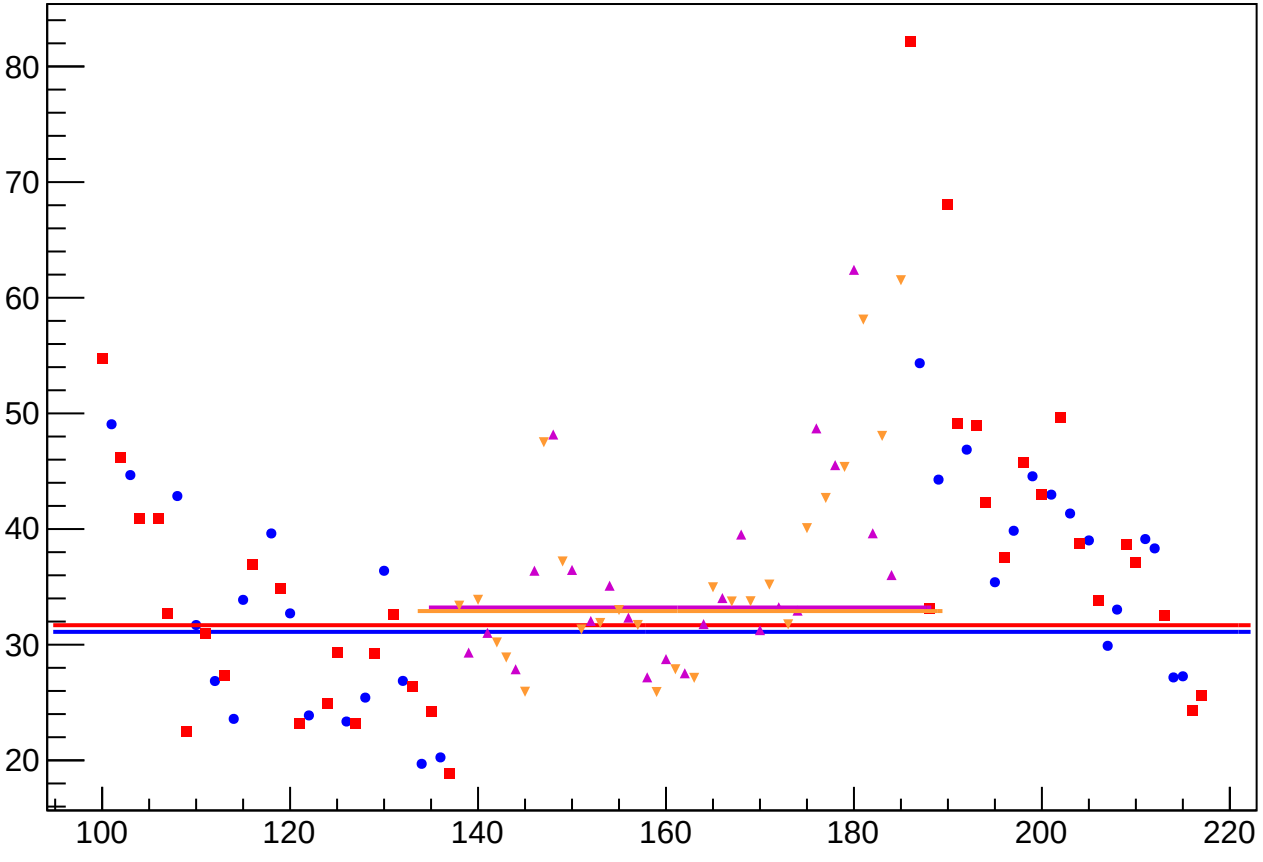
Right: -0.016+/-0.005 χ^2/NDF: 163.3/66

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.013+/-0.005 χ^2/NDF:158.5/60

All: -0.006+/-0.004 χ^2/NDF: 218.2/114

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: 31.685+/-0.005 χ^2/NDF: 2763489.2/35

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

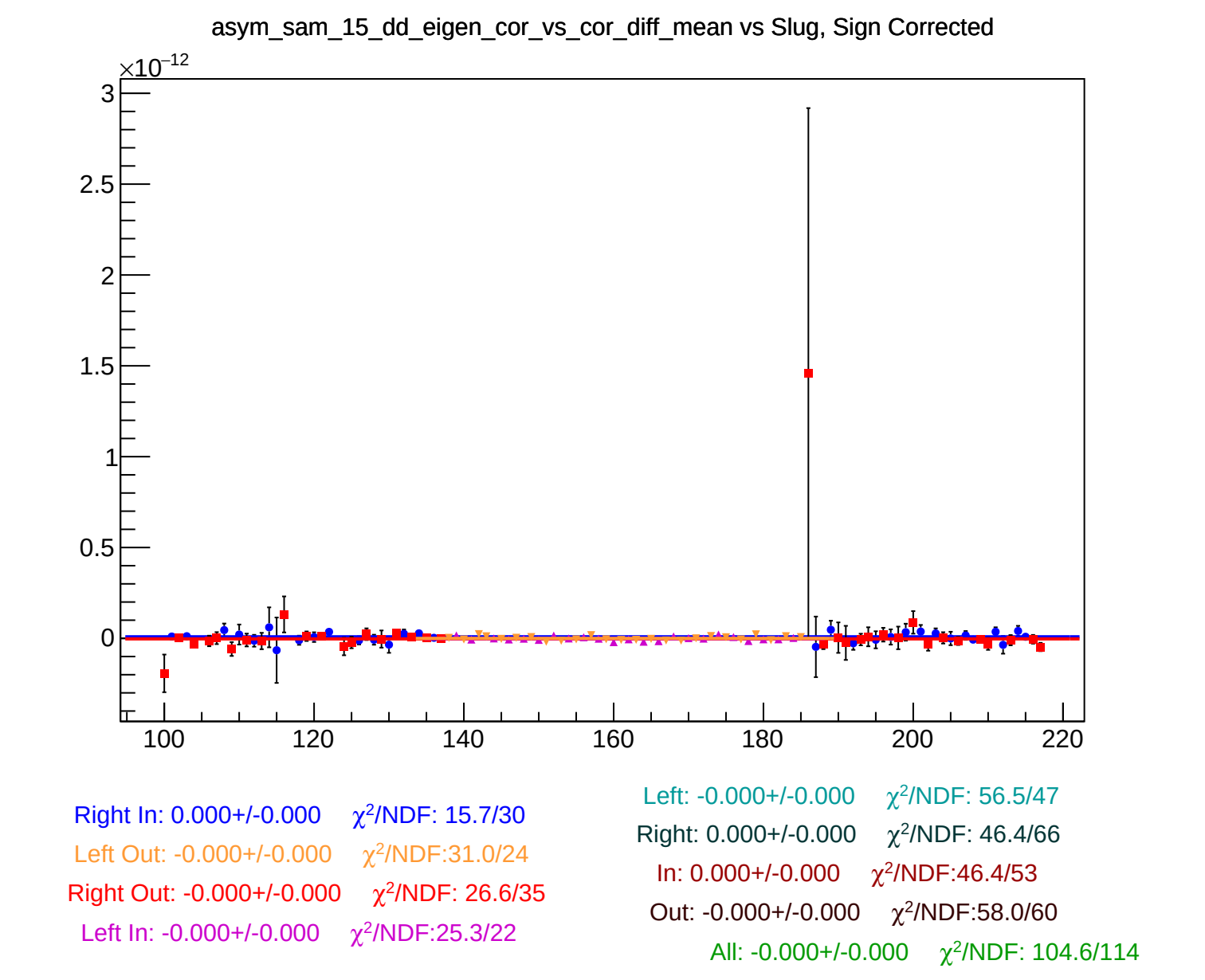
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.401+/-0.004 χ^2/NDF: 5349127.1/66

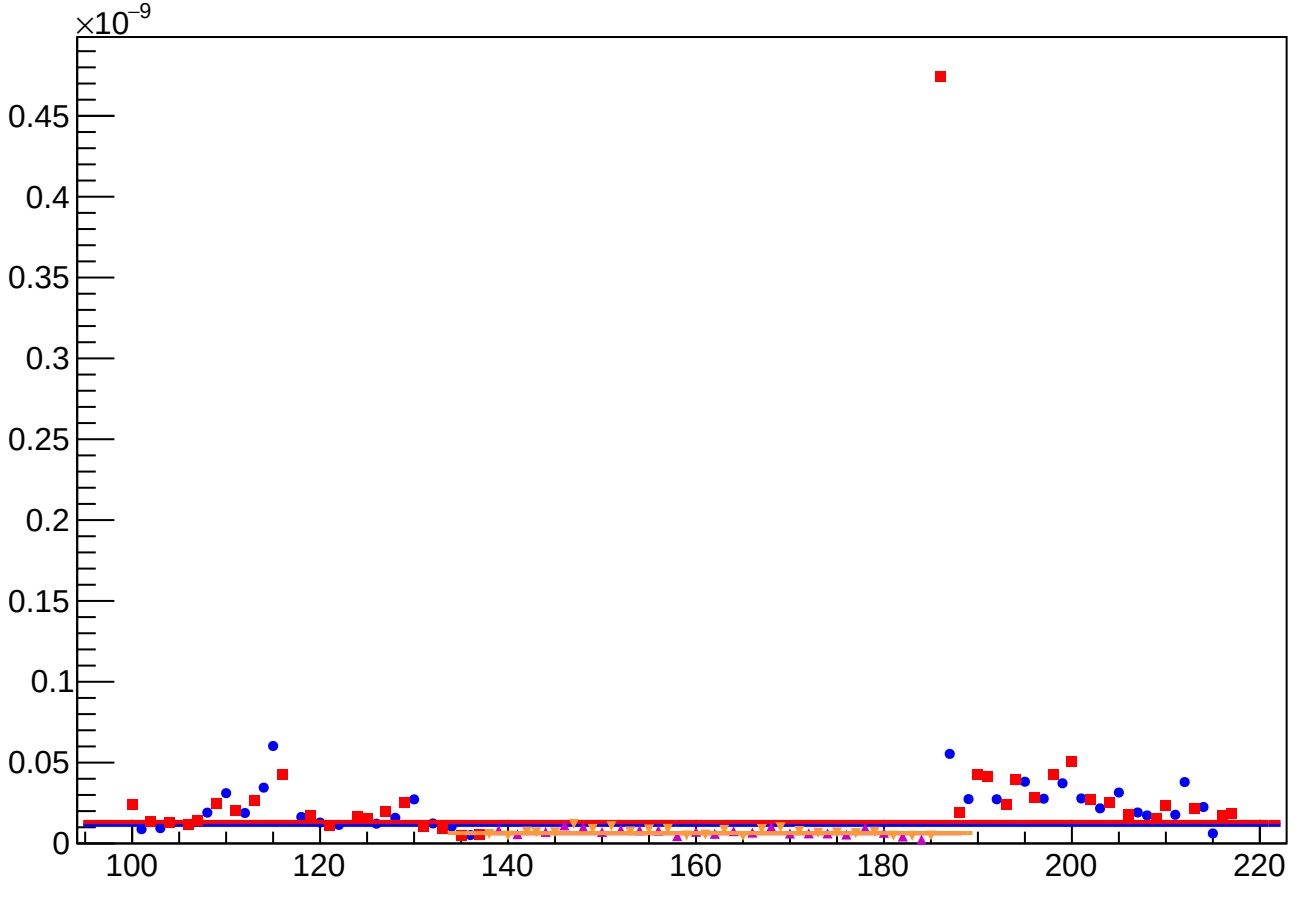
In: 32.089+/-0.004 χ^2/NDF:3876029.8/53

Out: 32.266+/-0.004 χ^2/NDF:4218045.0/60

All: 32.180+/-0.003 χ^2/NDF: 8095173.5/114


asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 15.7/30
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.6/35
Left In: -0.000+/-0.000 χ²/NDF:25.3/22
Left: -0.000+/-0.000 χ²/NDF: 56.5/47
Right: 0.000+/-0.000 χ²/NDF: 46.4/66
In: 0.000+/-0.000 χ²/NDF:46.4/53
Out: -0.000+/-0.000 χ²/NDF:58.0/60
All: -0.000+/-0.000 χ²/NDF: 104.6/114

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7787126.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

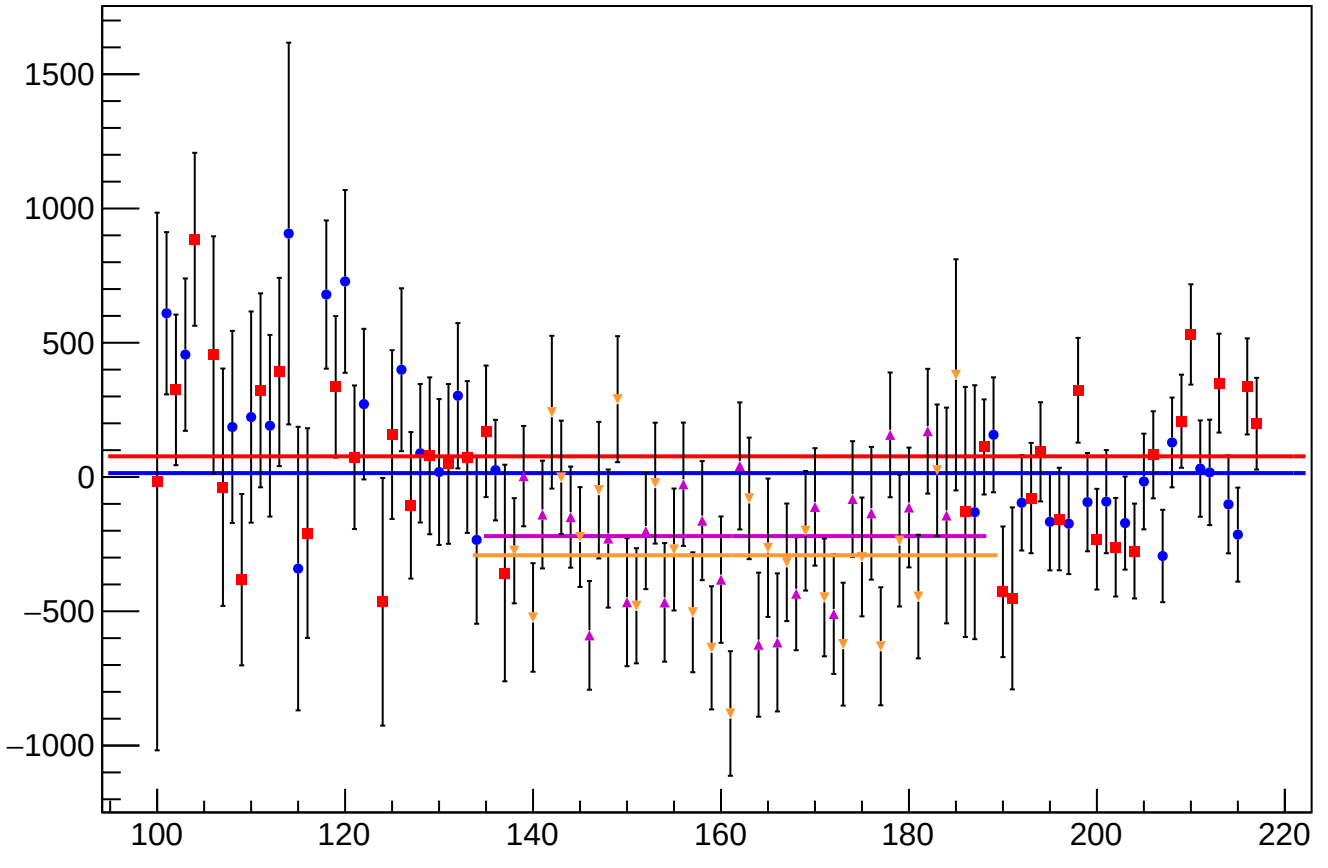
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16303385.2/66

In: 0.000+/-0.000 χ^2/NDF:13340832.4/53

Out: 0.000+/-0.000 χ^2/NDF:14261215.6/60

All: 0.000+/-0.000 χ^2/NDF: 27618587.1/114



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: 77.071+/-39.690 χ^2/NDF: 48.0/35

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

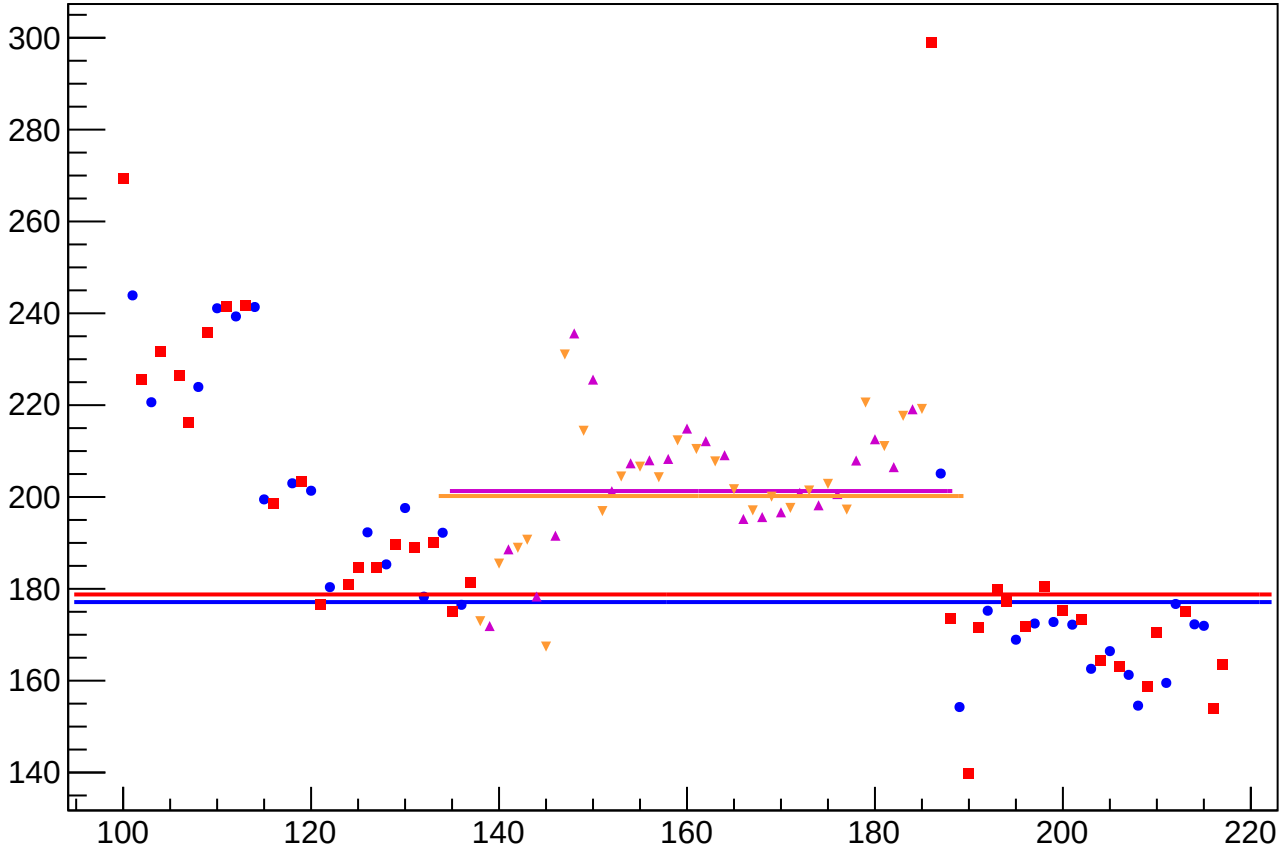
Right: 46.581+/-28.387 χ^2/NDF: 83.4/66

In: -85.305+/-30.772 χ^2/NDF:72.2/53

Out: -81.662+/-29.942 χ^2/NDF:121.4/60

All: -83.434+/-21.460 χ^2/NDF: 193.6/114

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: 178.774+/-0.028 χ^2/NDF: 697355.3/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

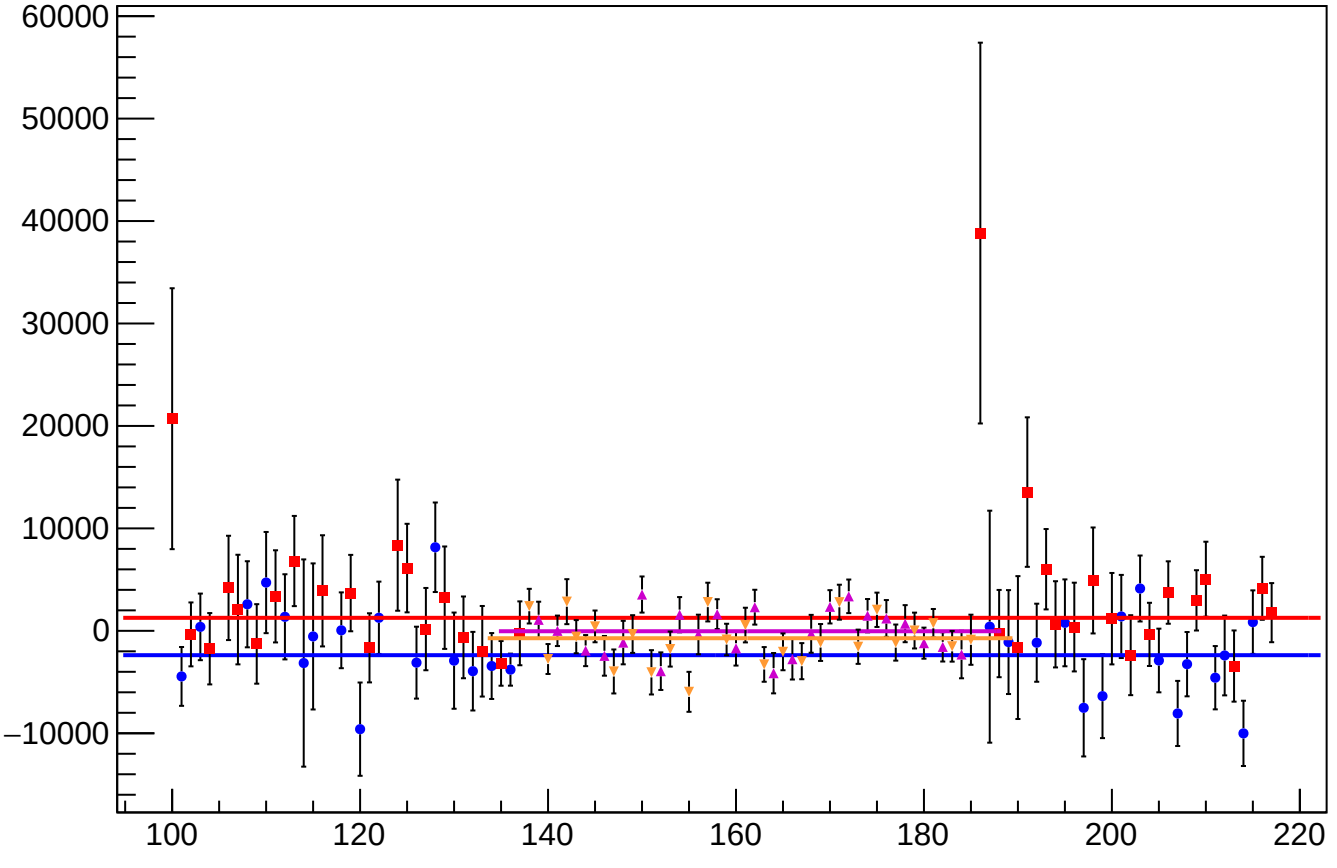
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 177.964+/-0.020 χ^2/NDF: 1204630.8/66

In: 187.418+/-0.022 χ^2/NDF:989221.5/53

Out: 188.010+/-0.021 χ^2/NDF:1153127.7/60

All: 187.722+/-0.015 χ^2/NDF: 2142730.3/114



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: 1269.972+/-649.475 χ^2/NDF: 30.4/35

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

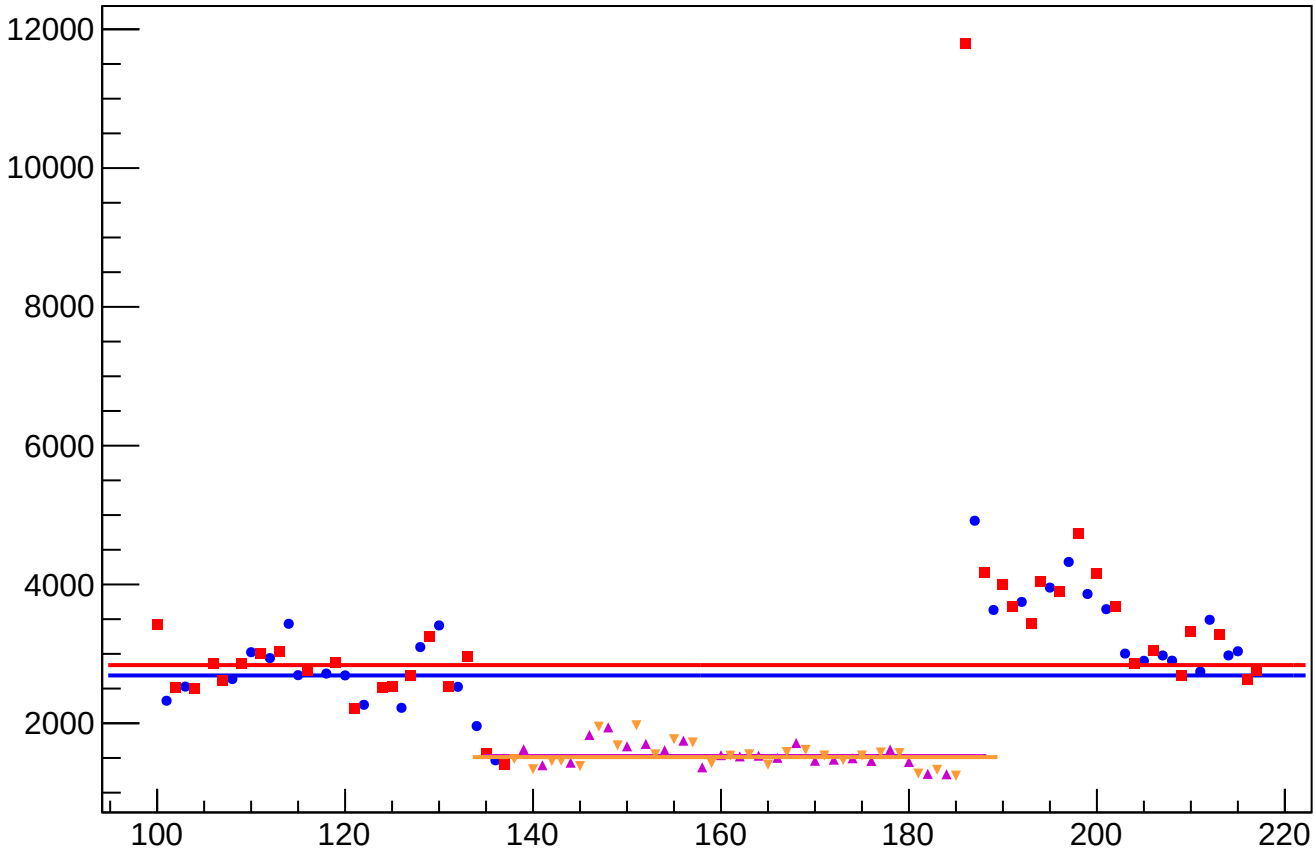
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -588.690+/-454.758 χ^2/NDF: 81.5/66

In: -603.345+/-312.921 χ^2/NDF:79.7/53

Out: -279.881+/-305.628 χ^2/NDF:76.0/60

All: -437.799+/-218.645 χ^2/NDF: 156.2/114



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: 2838.050+/-0.459 χ^2/NDF: 2985275.8/35

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

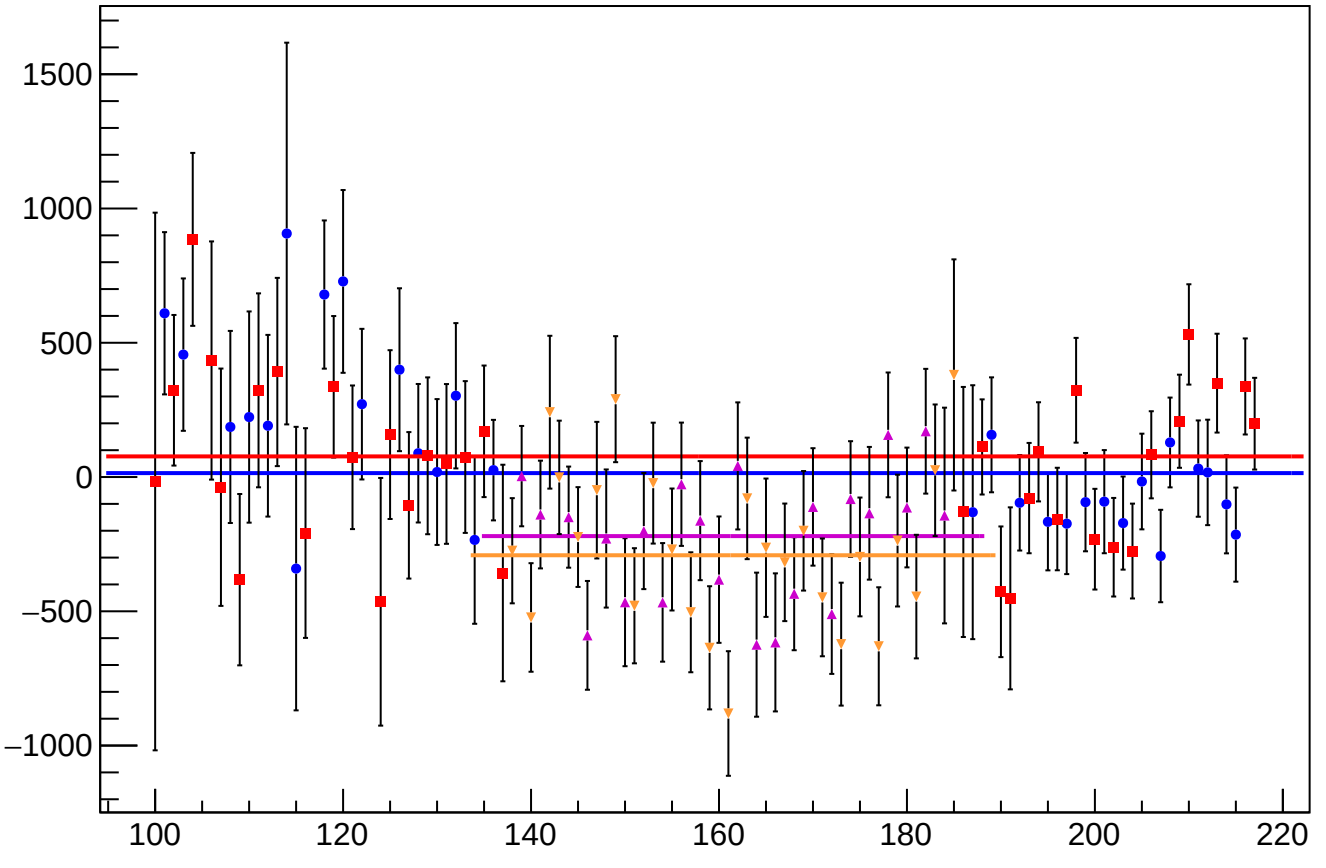
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2762.010+/-0.322 χ^2/NDF: 5734764.3/66

In: 1808.150+/-0.221 χ^2/NDF:8109709.8/53

Out: 1805.928+/-0.216 χ^2/NDF:9915331.8/60

All: 1807.013+/-0.155 χ^2/NDF: 18025093.2/1



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: 76.838+/-39.692 χ^2/NDF: 47.9/35

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

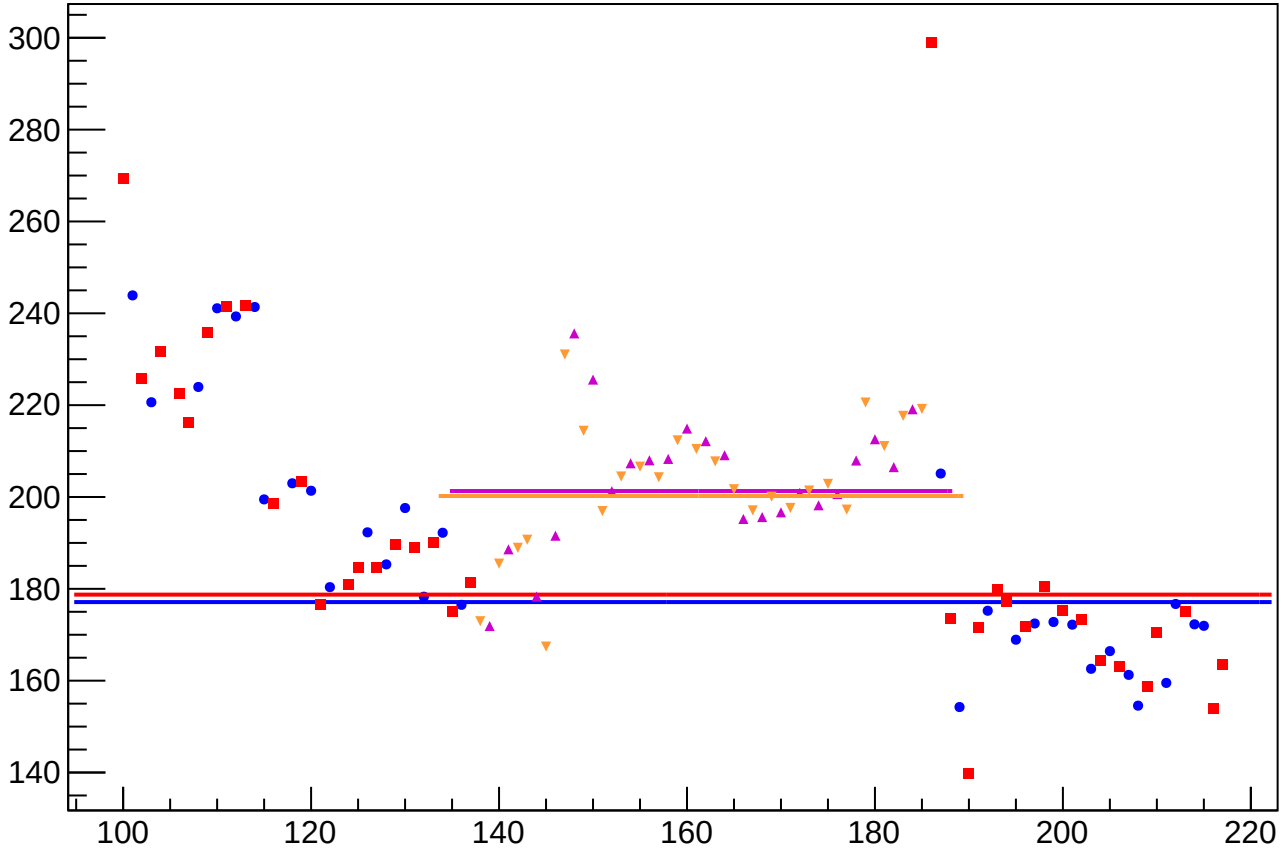
Right: 46.456+/-28.388 χ^2/NDF: 83.3/66

In: -85.313+/-30.772 χ^2/NDF:72.2/53

Out: -81.803+/-29.943 χ^2/NDF:121.3/60

All: -83.510+/-21.460 χ^2/NDF: 193.5/114

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: 178.740+/-0.028 χ^2/NDF: 693628.8/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

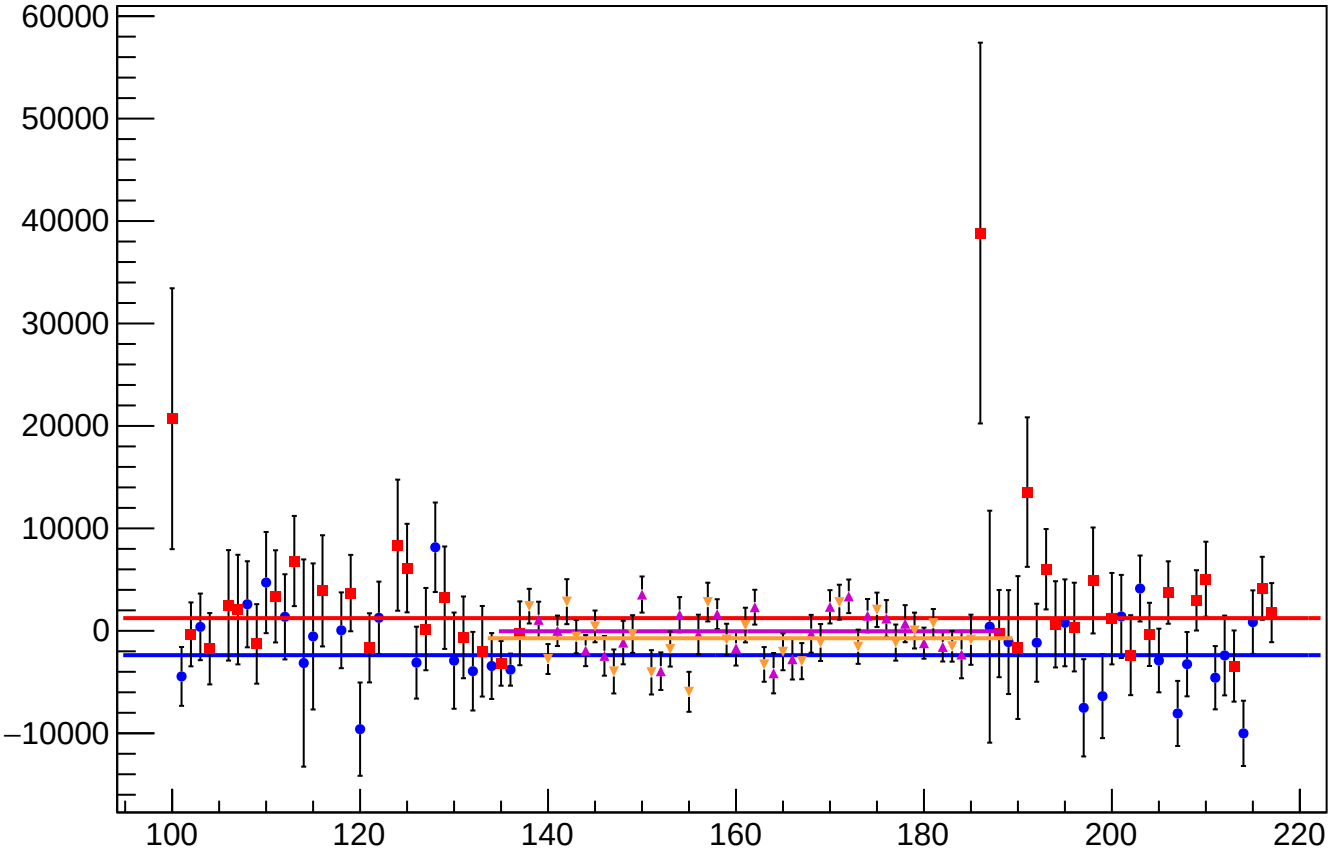
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 177.947+/-0.020 χ^2/NDF: 1200835.8/66

In: 187.418+/-0.022 χ^2/NDF:989222.0/53

Out: 187.991+/-0.021 χ^2/NDF:1150188.3/60

All: 187.712+/-0.015 χ^2/NDF: 2139767.6/114



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: 1240.243+/-650.060 χ^2/NDF: 30.1/35

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

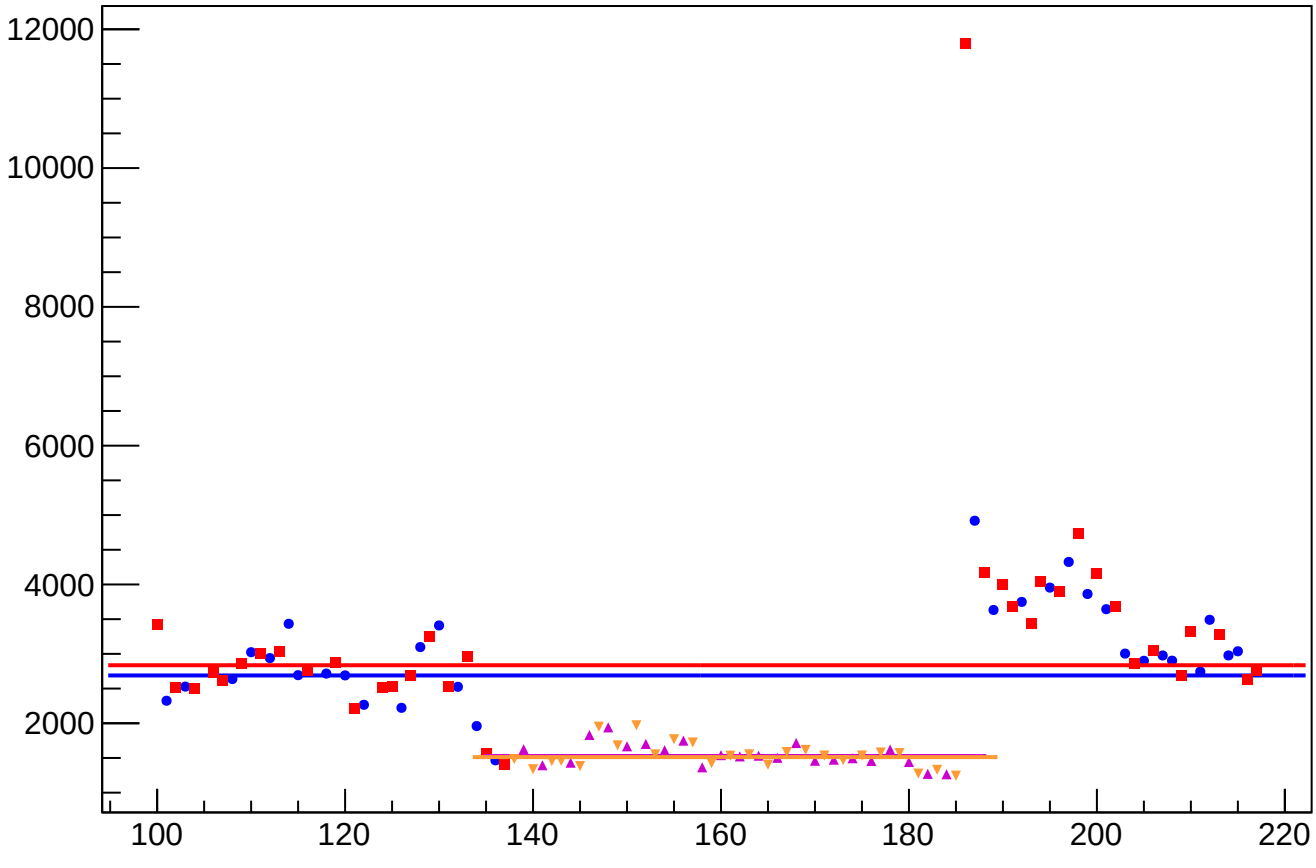
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -604.886+/-454.959 χ^2/NDF: 81.0/66

In: -603.339+/-312.922 χ^2/NDF:79.7/53

Out: -287.076+/-305.689 χ^2/NDF:75.5/60

All: -441.510+/-218.667 χ^2/NDF: 155.7/114



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: 2836.070+/-0.460 χ^2/NDF: 2985844.3/35

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

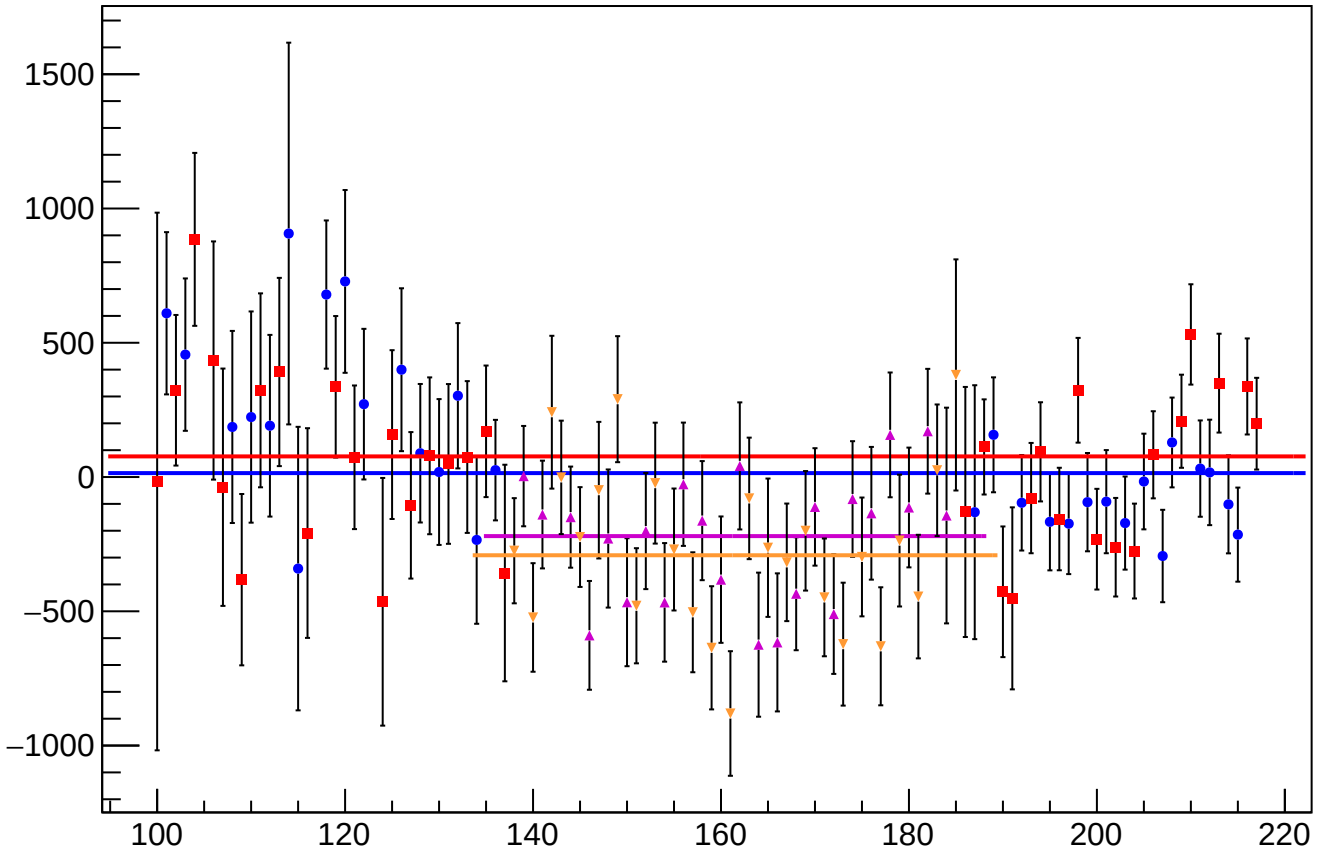
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2760.974+/-0.322 χ^2/NDF: 5733856.3/66

In: 1808.151+/-0.221 χ^2/NDF:8109718.5/53

Out: 1805.078+/-0.216 χ^2/NDF:9887456.6/60

All: 1806.579+/-0.155 χ^2/NDF: 17997273.7/1



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: 76.838+/-39.692 χ^2/NDF: 47.9/35

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

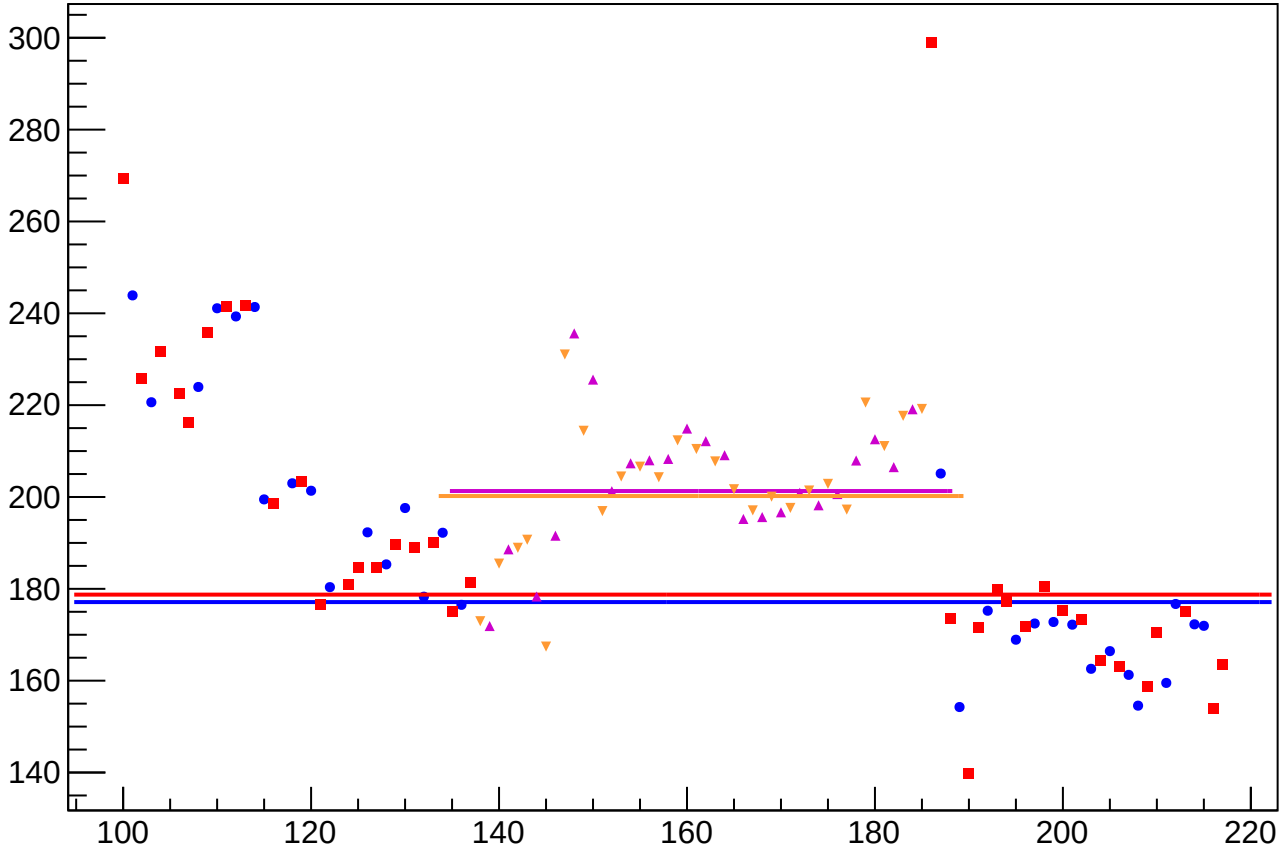
Right: 46.456+/-28.388 χ^2/NDF: 83.3/66

In: -85.313+/-30.772 χ^2/NDF:72.2/53

Out: -81.803+/-29.943 χ^2/NDF:121.3/60

All: -83.510+/-21.460 χ^2/NDF: 193.5/114

eigen_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: 178.740+/-0.028 χ^2/NDF: 693628.8/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

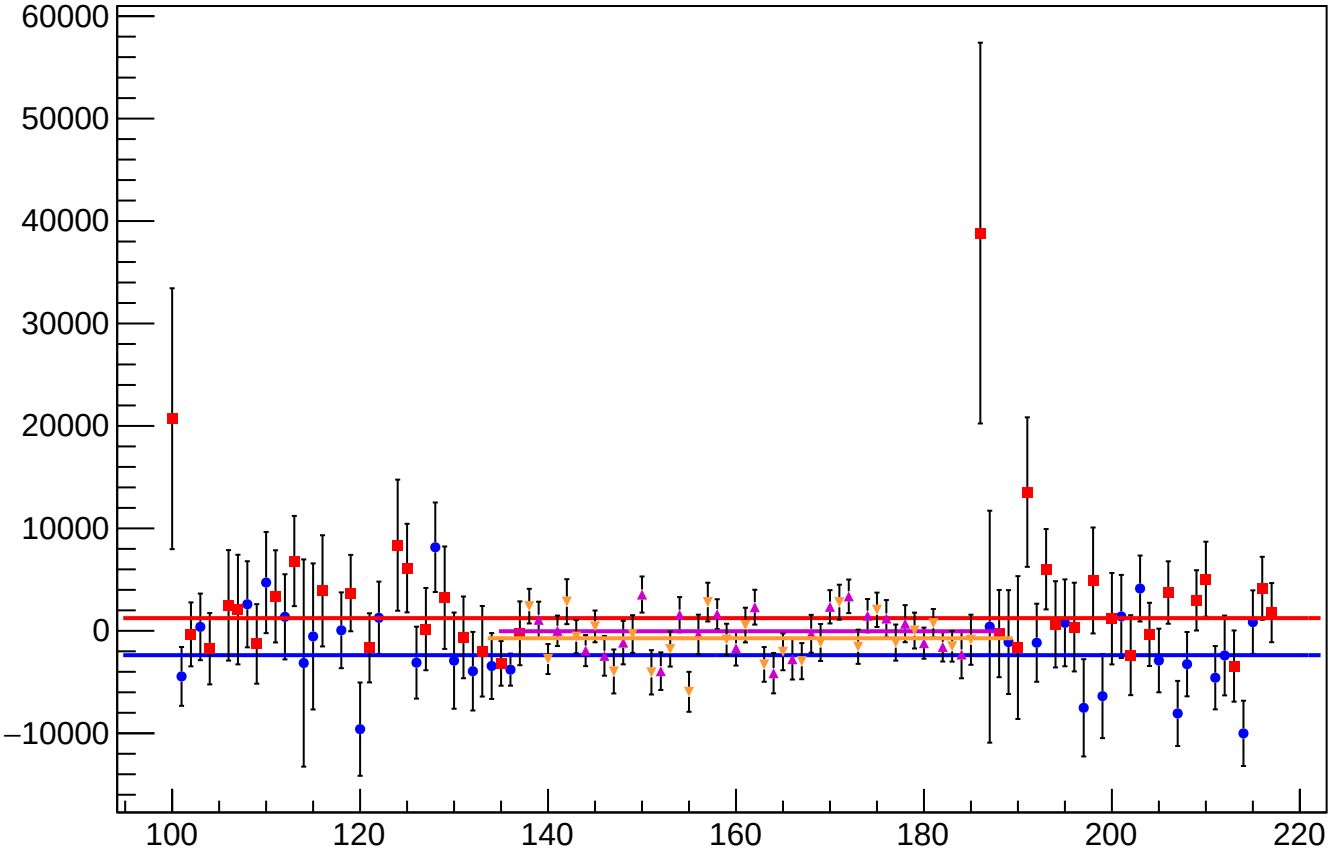
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 177.947+/-0.020 χ^2/NDF: 1200835.8/66

In: 187.418+/-0.022 χ^2/NDF:989222.0/53

Out: 187.991+/-0.021 χ^2/NDF:1150188.3/60

All: 187.712+/-0.015 χ^2/NDF: 2139767.6/114



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: 1240.243+/-650.060 χ^2/NDF: 30.1/35

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

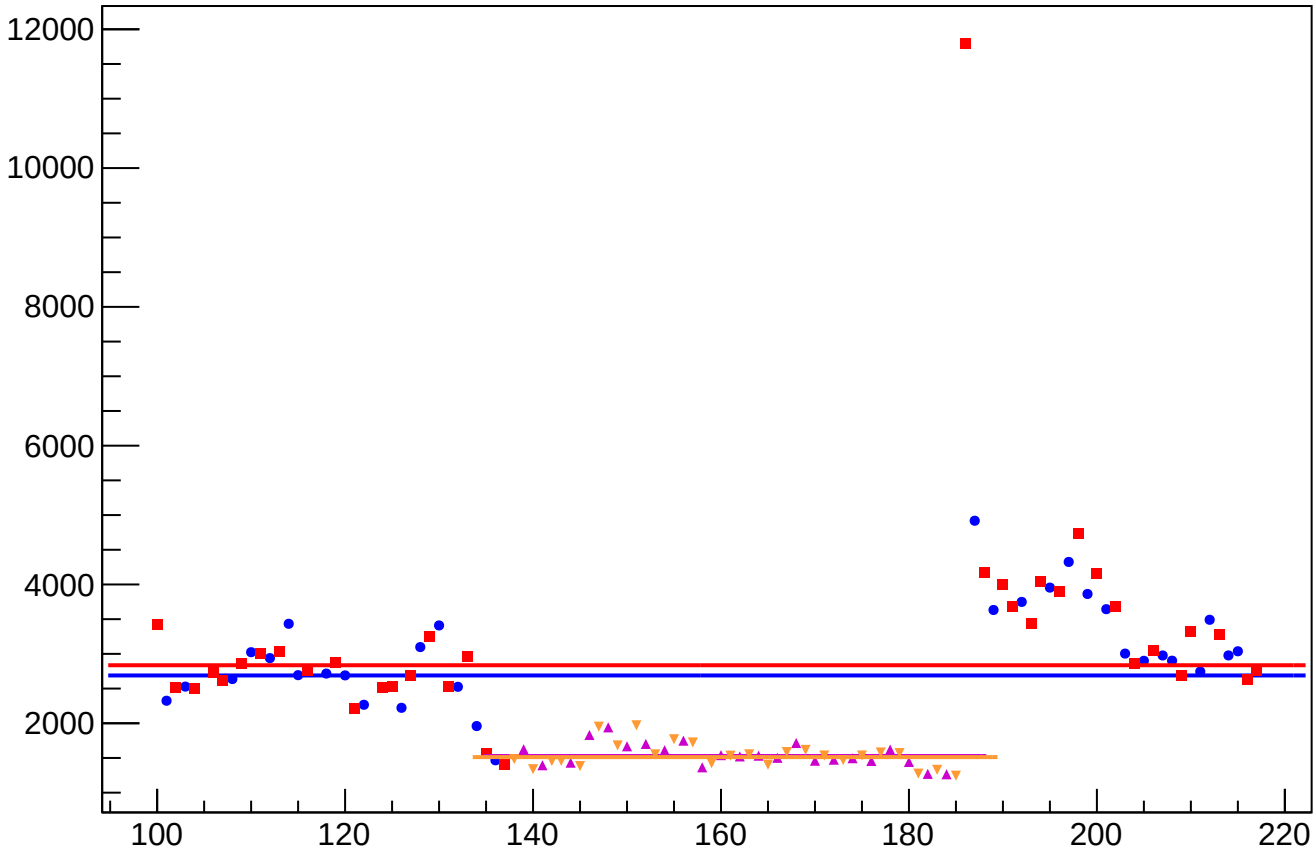
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -604.886+/-454.959 χ^2/NDF: 81.0/66

In: -603.339+/-312.922 χ^2/NDF:79.7/53

Out: -287.076+/-305.689 χ^2/NDF:75.5/60

All: -441.510+/-218.667 χ^2/NDF: 155.7/114



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: 2836.070+/-0.460 χ^2/NDF: 2985844.3/35

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

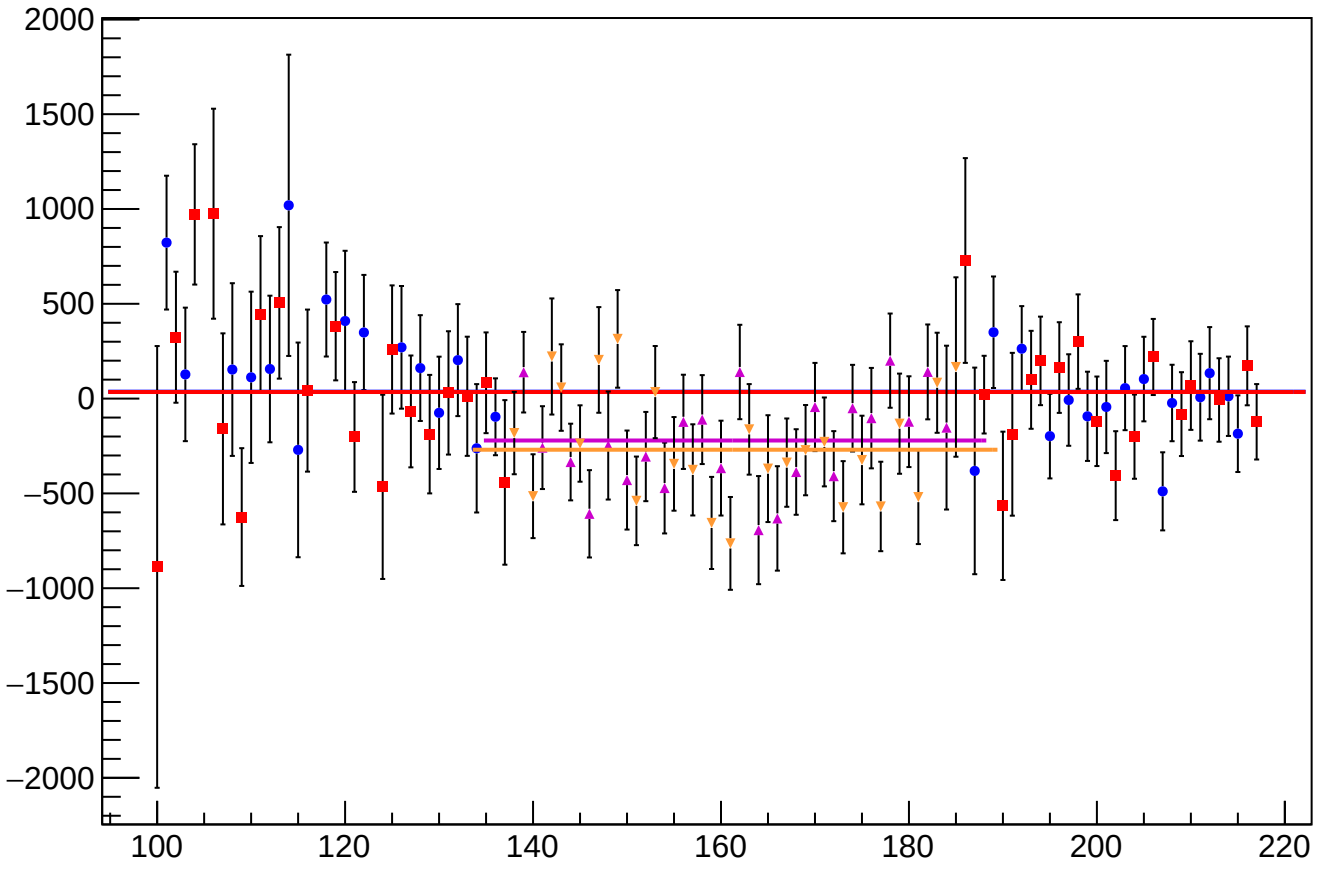
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2760.974+/-0.322 χ^2/NDF: 5733856.3/66

In: 1808.151+/-0.221 χ^2/NDF:8109718.5/53

Out: 1805.078+/-0.216 χ^2/NDF:9887456.6/60

All: 1806.579+/-0.155 χ^2/NDF: 17997273.7/1



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: 34.733+/-47.569 χ^2/NDF: 35.5/35

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

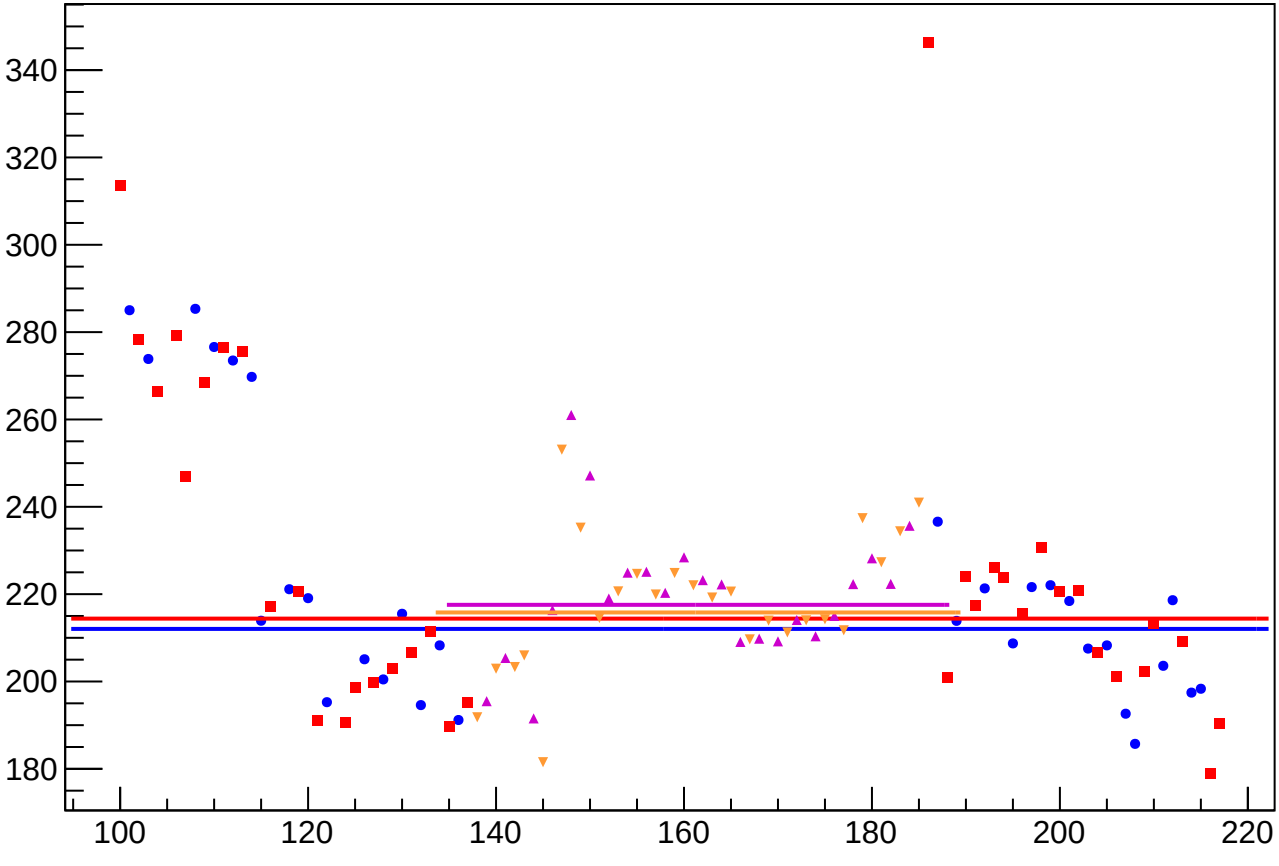
Right: 35.614+/-33.989 χ^2/NDF: 62.0/66

In: -86.062+/-35.162 χ^2/NDF:63.2/53

Out: -112.474+/-34.184 χ^2/NDF:86.8/60

All: -99.640+/-24.510 χ^2/NDF: 150.4/114

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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: 214.398+/-0.034 χ^2/NDF: 600881.3/35

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

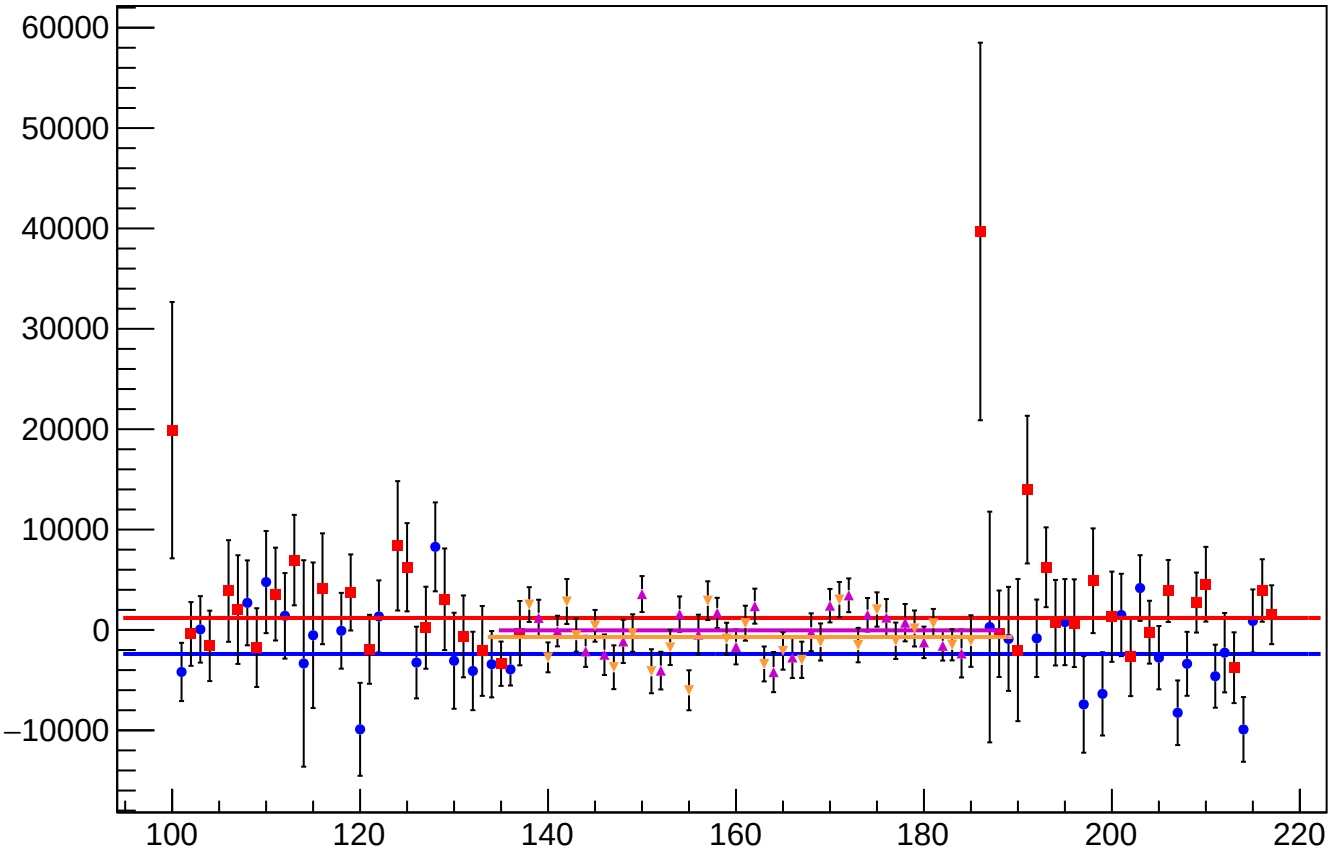
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 213.244+/-0.024 χ^2/NDF: 1038462.7/66

In: 214.667+/-0.025 χ^2/NDF:608510.8/53

Out: 215.079+/-0.024 χ^2/NDF:790428.8/60

All: 214.879+/-0.017 χ^2/NDF: 1399081.0/114



Right In: -2393.904+/-648.170 χ^2/NDF: 34.6/30

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1192.474+/-658.996 χ^2/NDF: 30.8/35

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

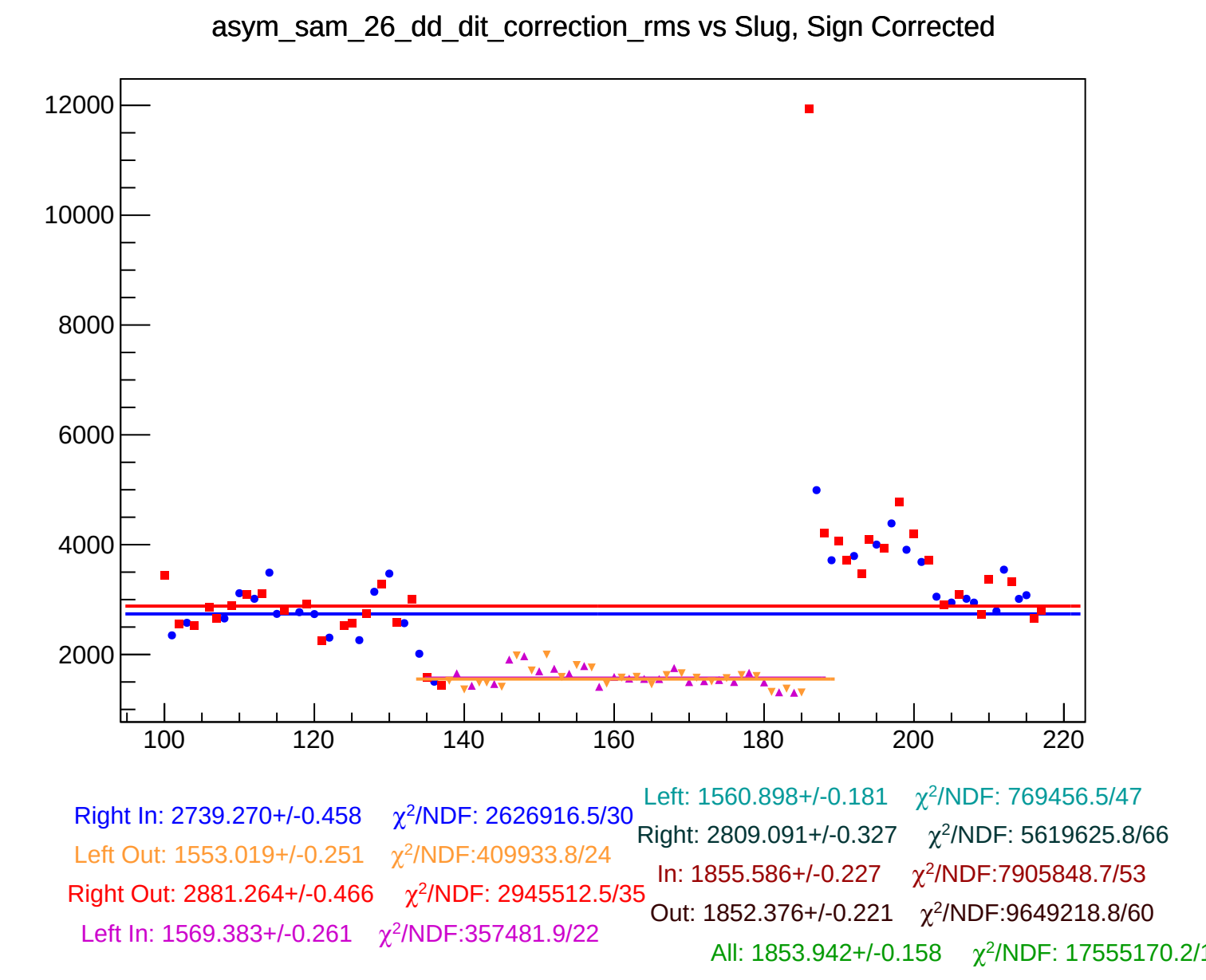
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

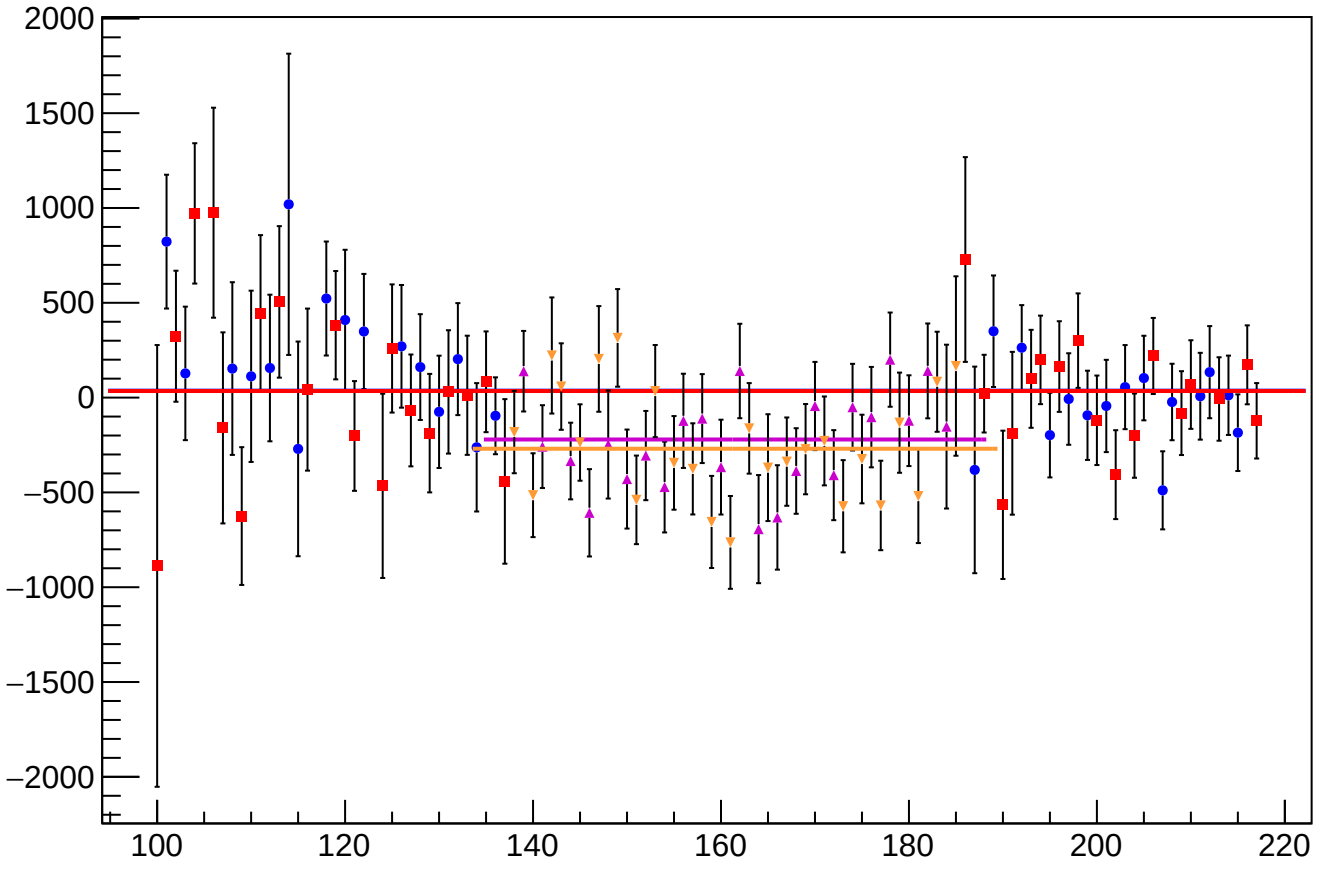
Right: -630.416+/-462.105 χ^2/NDF: 80.5/66

In: -615.605+/-320.593 χ^2/NDF:78.9/53

Out: -276.587+/-312.851 χ^2/NDF:74.8/60

All: -441.953+/-223.906 χ^2/NDF: 154.3/114


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: 2881.264+/-0.466 χ²/NDF: 2945512.5/35
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2809.091+/-0.327 χ²/NDF: 5619625.8/66
In: 1855.586+/-0.227 χ²/NDF:7905848.7/53
Out: 1852.376+/-0.221 χ²/NDF:9649218.8/60
All: 1853.942+/-0.158 χ²/NDF: 17555170.2/



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: 34.731+/-47.569 χ^2/NDF: 35.5/35

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

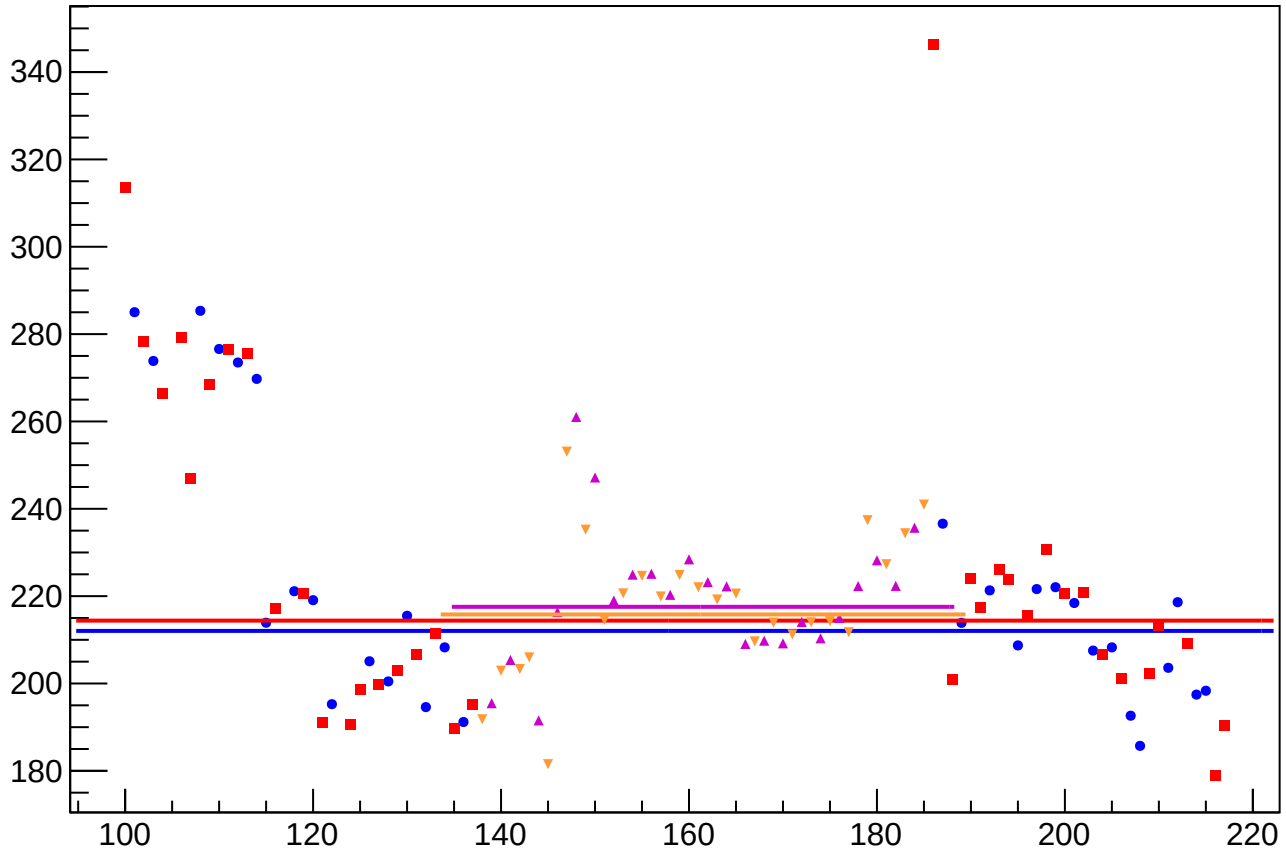
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 35.615+/-33.989 χ^2/NDF: 62.0/66

In: -86.060+/-35.162 χ^2/NDF:63.2/53

Out: -112.476+/-34.184 χ^2/NDF:86.8/60

All: -99.640+/-24.510 χ^2/NDF: 150.4/114



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: 214.398+/-0.034 χ^2/NDF: 600859.5/35

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

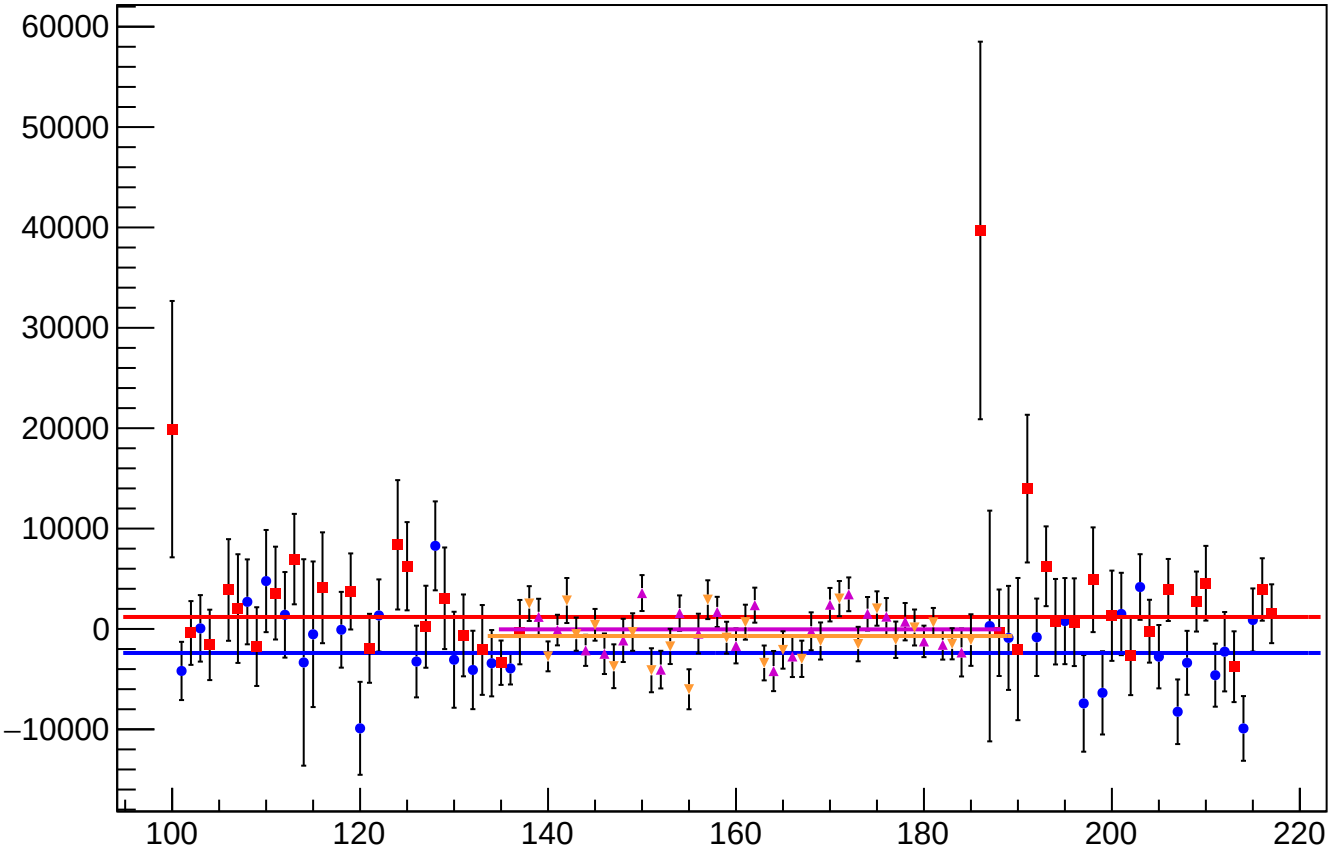
Right: 213.244+/-0.024 χ^2/NDF: 1038431.0/66

In: 214.666+/-0.025 χ^2/NDF:608504.0/53

Out: 215.079+/-0.024 χ^2/NDF:790411.4/60

All: 214.878+/-0.017 χ^2/NDF: 1399056.8/114

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2393.902+/-648.169 χ^2/NDF: 34.6/30

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1192.472+/-658.995 χ^2/NDF: 30.8/35

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

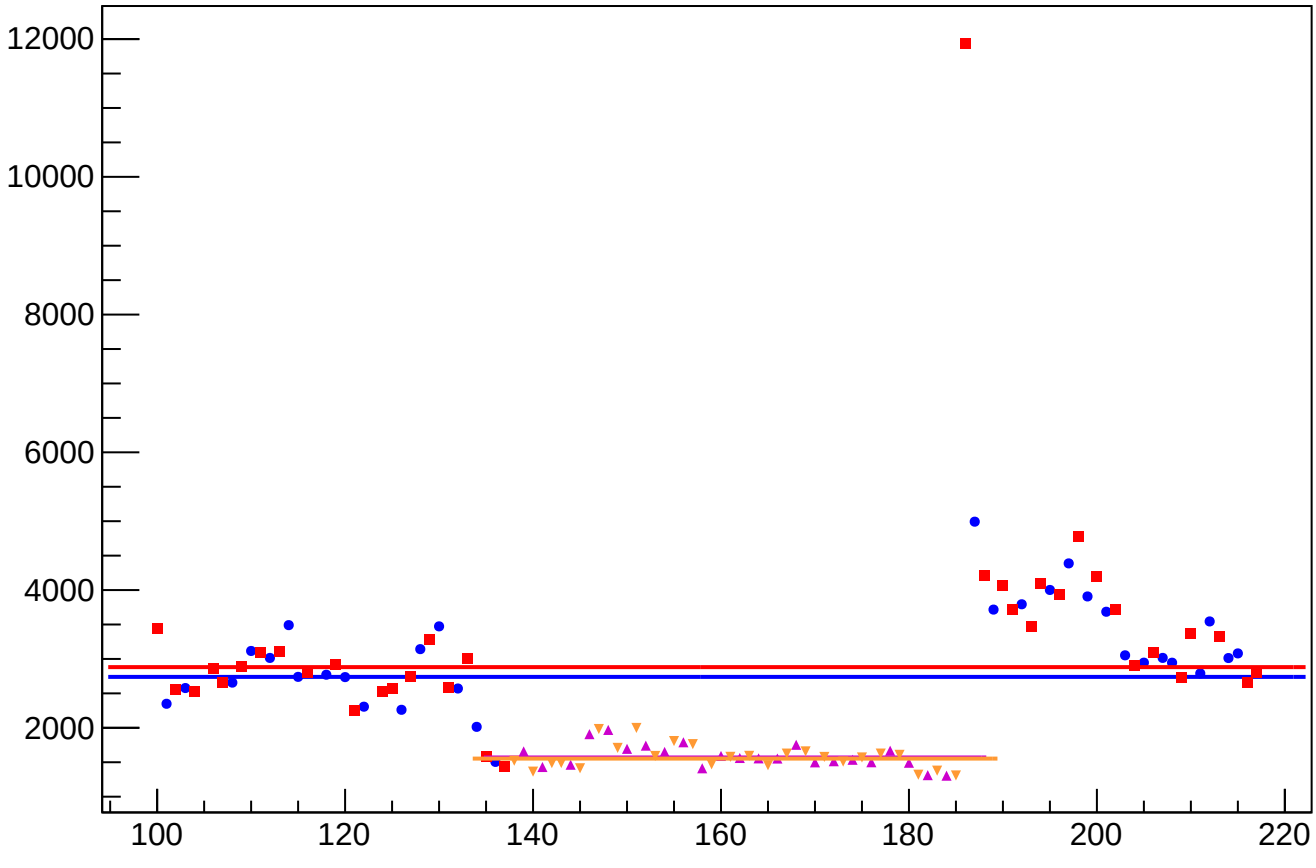
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -630.416+/-462.105 χ^2/NDF: 80.5/66

In: -615.604+/-320.593 χ^2/NDF:78.9/53

Out: -276.587+/-312.851 χ^2/NDF:74.8/60

All: -441.953+/-223.906 χ^2/NDF: 154.3/114



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: 2881.262+/-0.466 χ^2/NDF: 2945514.7/35

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

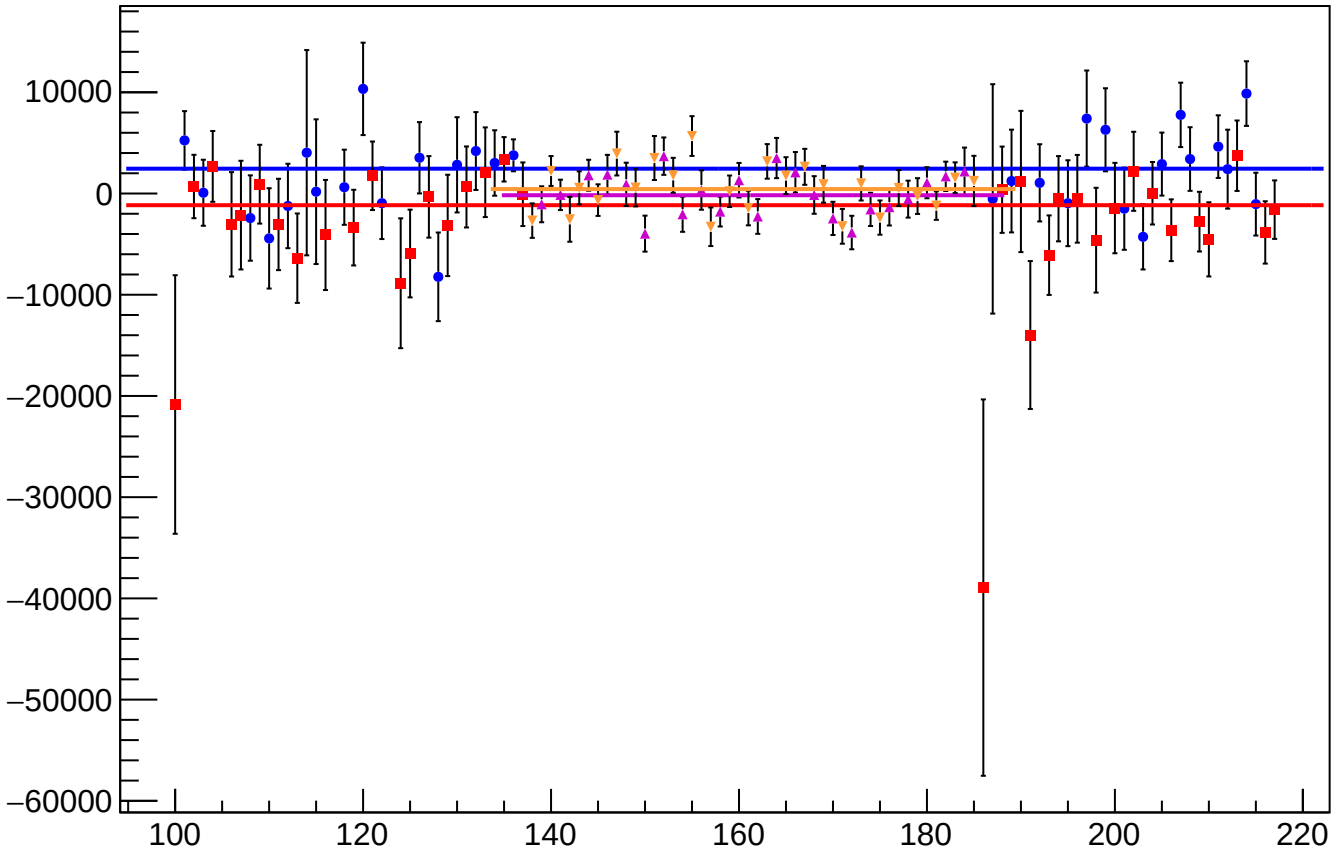
Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

Right: 2809.089+/-0.327 χ^2/NDF: 5619627.1/66

In: 1855.586+/-0.227 χ^2/NDF:7905838.0/53

Out: 1852.376+/-0.221 χ^2/NDF:9649206.0/60

All: 1853.942+/-0.158 χ^2/NDF: 17555146.7/1



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: -1154.185+/-651.395 χ^2/NDF: 30.3/35

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

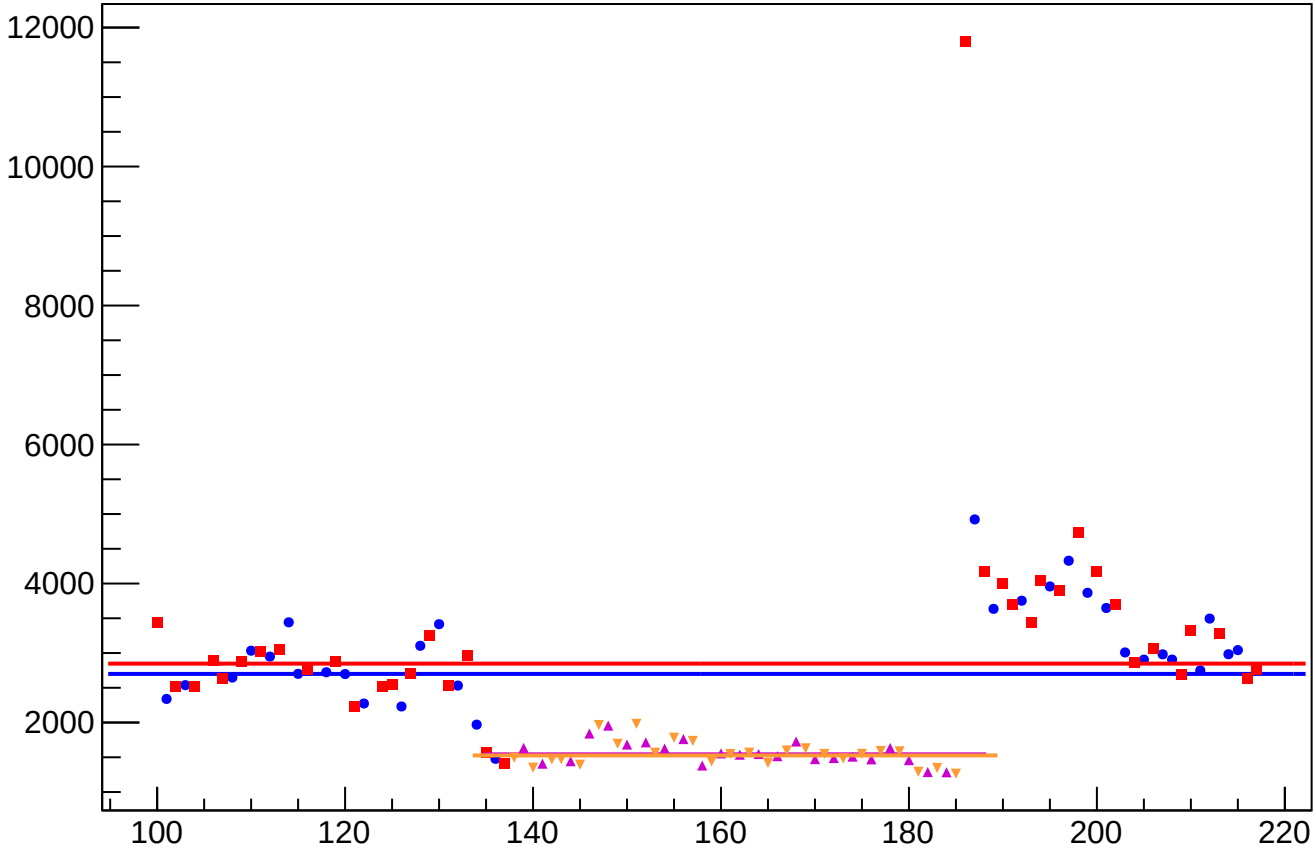
Right: 683.931+/-456.186 χ^2/NDF: 81.0/66

In: 468.810+/-315.340 χ^2/NDF:80.8/53

Out: 81.603+/-308.027 χ^2/NDF:73.8/60

All: 270.665+/-220.348 χ^2/NDF: 155.4/114

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: 2847.519+/-0.461 χ^2/NDF: 2952606.5/35

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

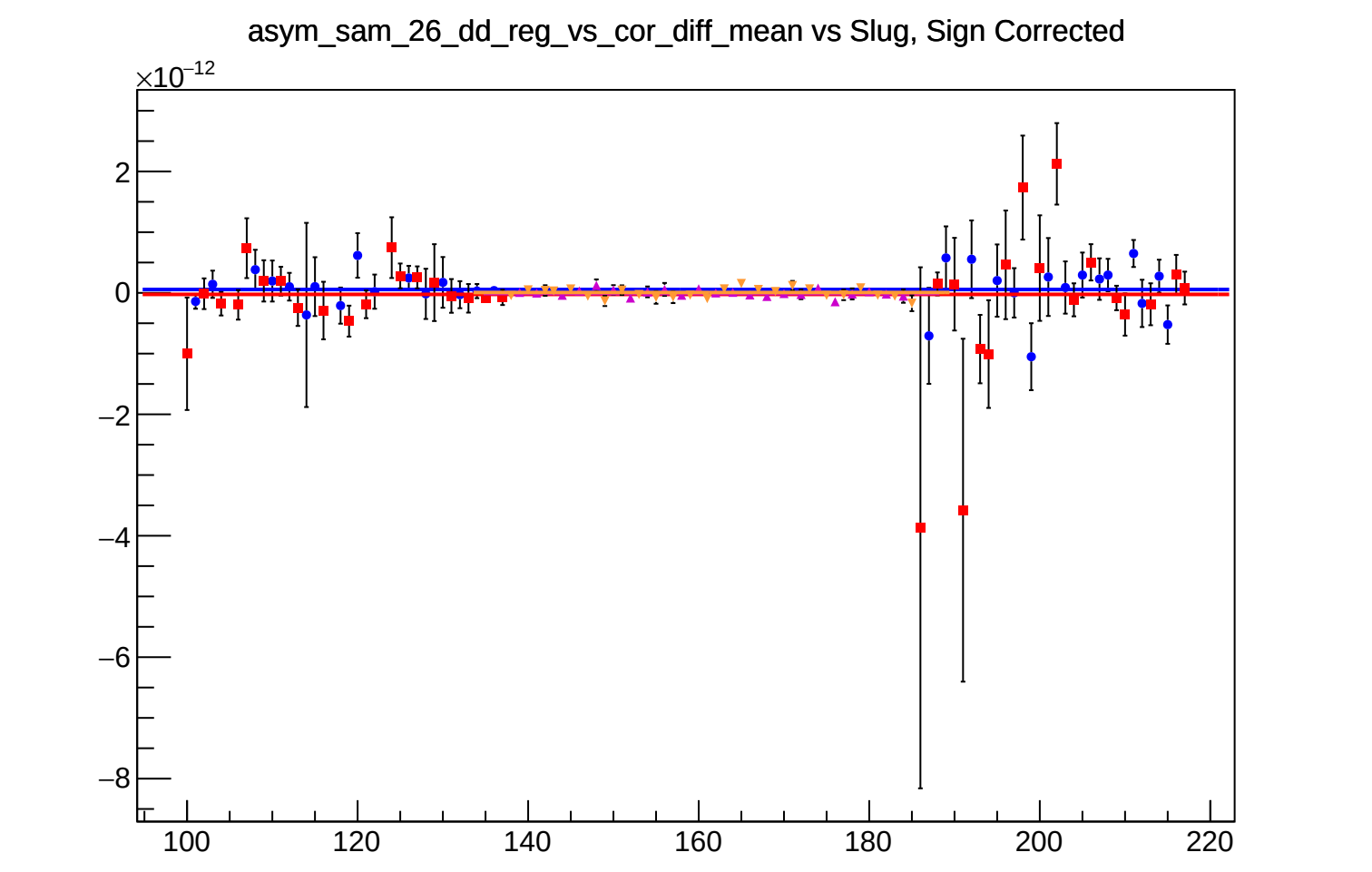
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2772.071+/-0.323 χ^2/NDF: 5659087.7/66

In: 1824.013+/-0.223 χ^2/NDF:7977040.7/53

Out: 1822.066+/-0.218 χ^2/NDF:9766055.6/60

All: 1823.017+/-0.156 χ^2/NDF: 17743135.4/1



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: 46.2/35

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

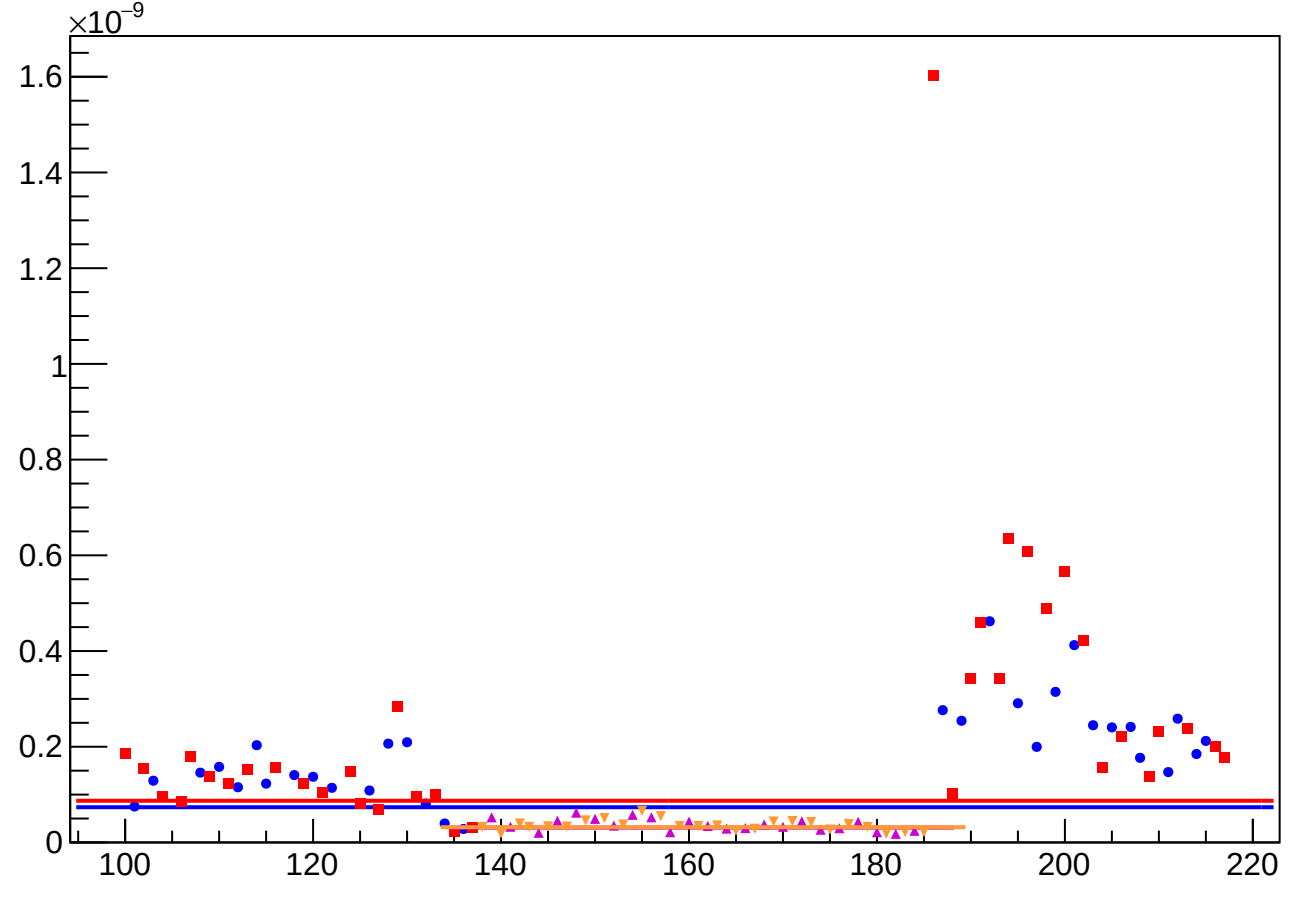
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 76.9/66

In: -0.000+/-0.000 χ^2/NDF:48.6/53

Out: 0.000+/-0.000 χ^2/NDF:77.5/60

All: 0.000+/-0.000 χ^2/NDF: 126.2/114



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: 8860931.1/35

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

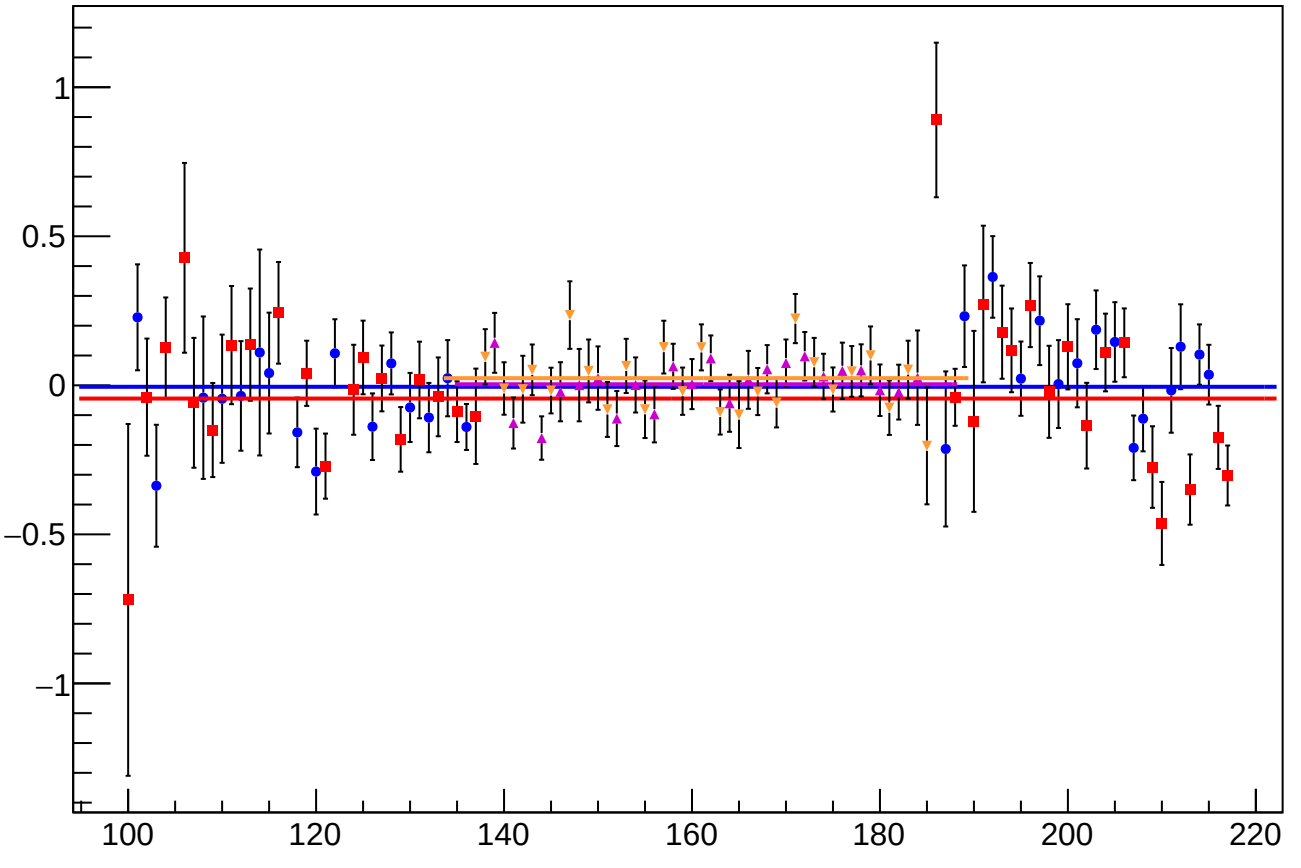
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17614595.9/66

In: 0.000+/-0.000 χ^2/NDF:12969404.4/53

Out: 0.000+/-0.000 χ^2/NDF:13783815.9/60

All: 0.000+/-0.000 χ^2/NDF: 26755790.8/114



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: -0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

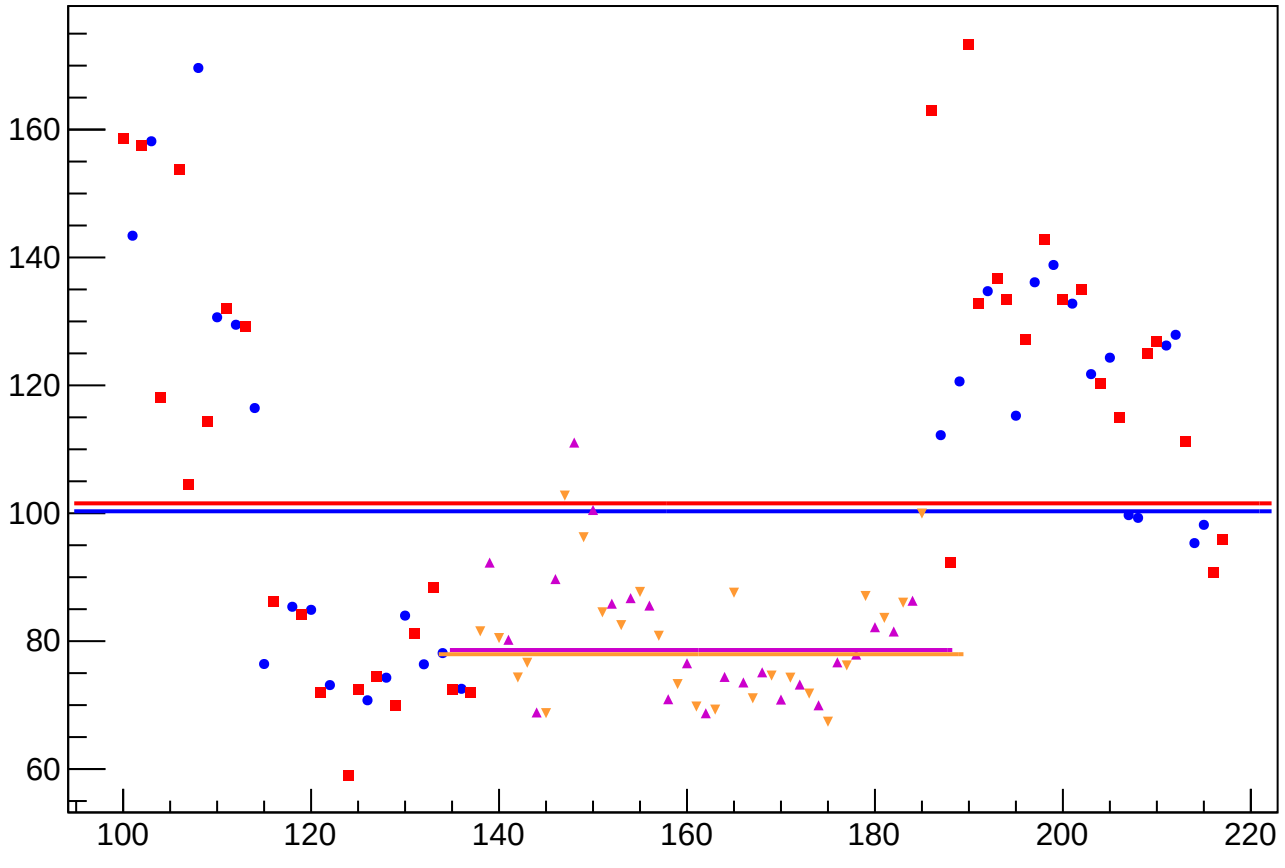
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.025+/-0.017 χ^2/NDF: 115.0/66

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: -0.001+/-0.014 χ^2/NDF:104.7/60

All: -0.001+/-0.010 χ^2/NDF: 163.5/114



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: 101.549+/-0.016 χ^2/NDF: 2557958.2/35

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

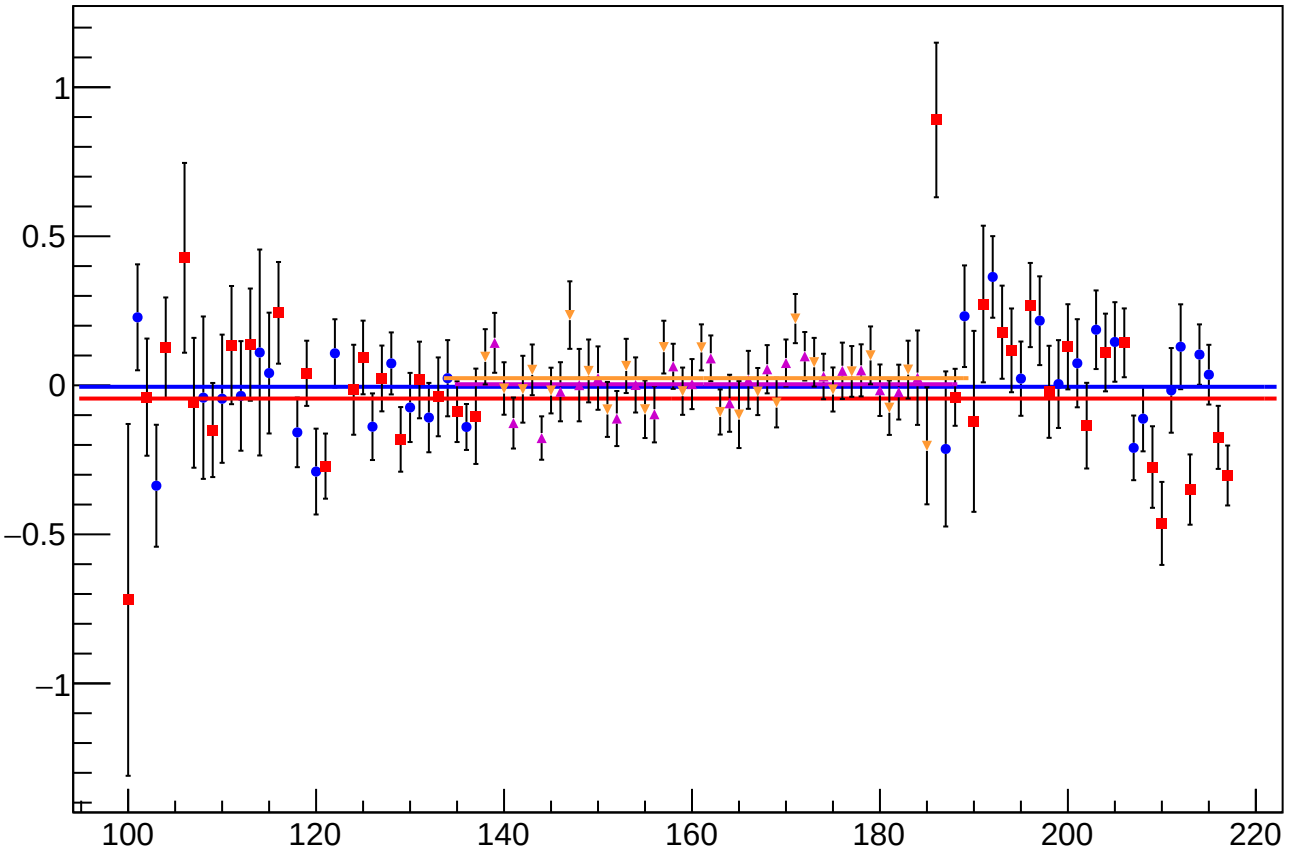
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.941+/-0.012 χ^2/NDF: 4769958.7/66

In: 86.874+/-0.010 χ^2/NDF:3746688.5/53

Out: 86.711+/-0.010 χ^2/NDF:4293131.6/60

All: 86.790+/-0.007 χ^2/NDF: 8039947.7/114



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: -0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

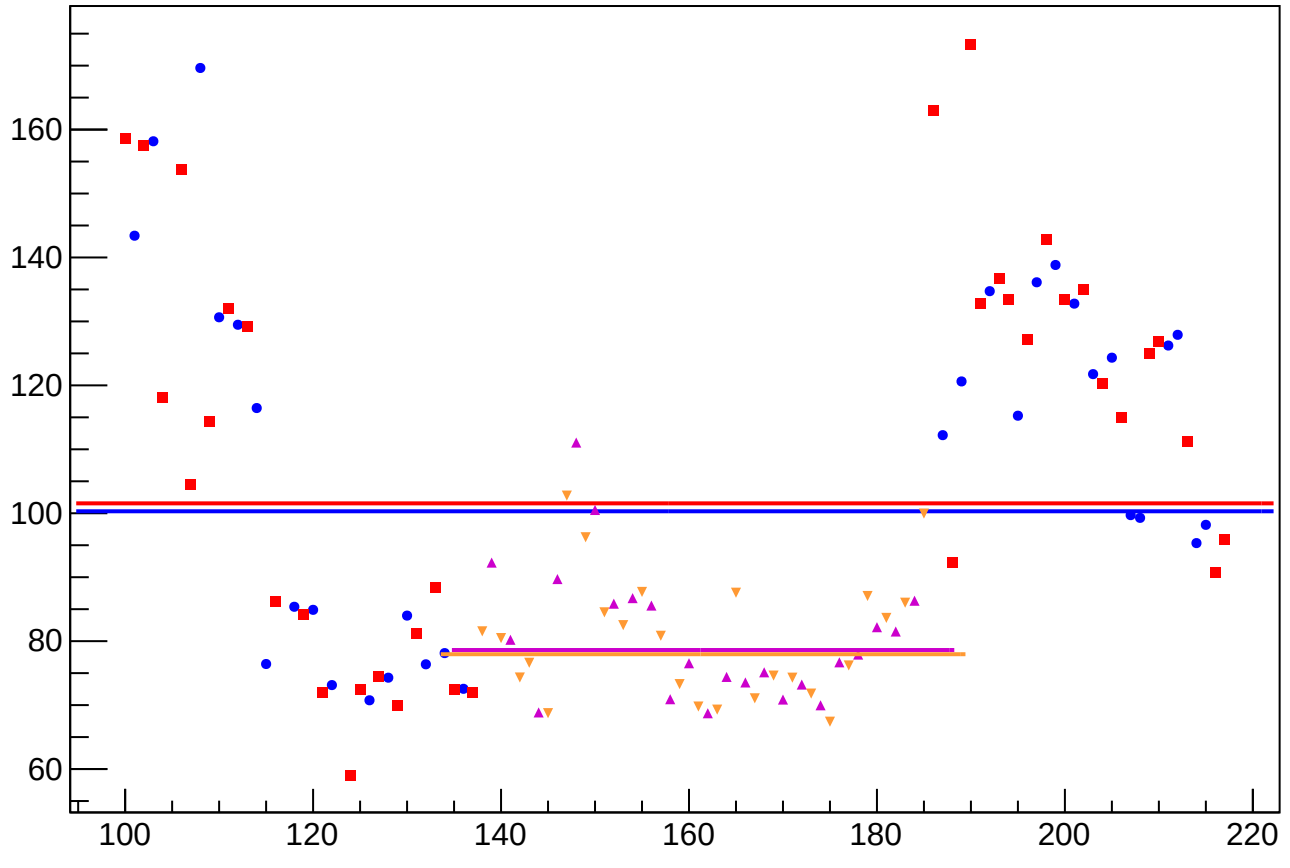
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.025+/-0.017 χ^2/NDF: 115.0/66

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: -0.001+/-0.014 χ^2/NDF:104.7/60

All: -0.001+/-0.010 χ^2/NDF: 163.5/114



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: 101.549+/-0.016 χ^2/NDF: 2557958.2/35

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

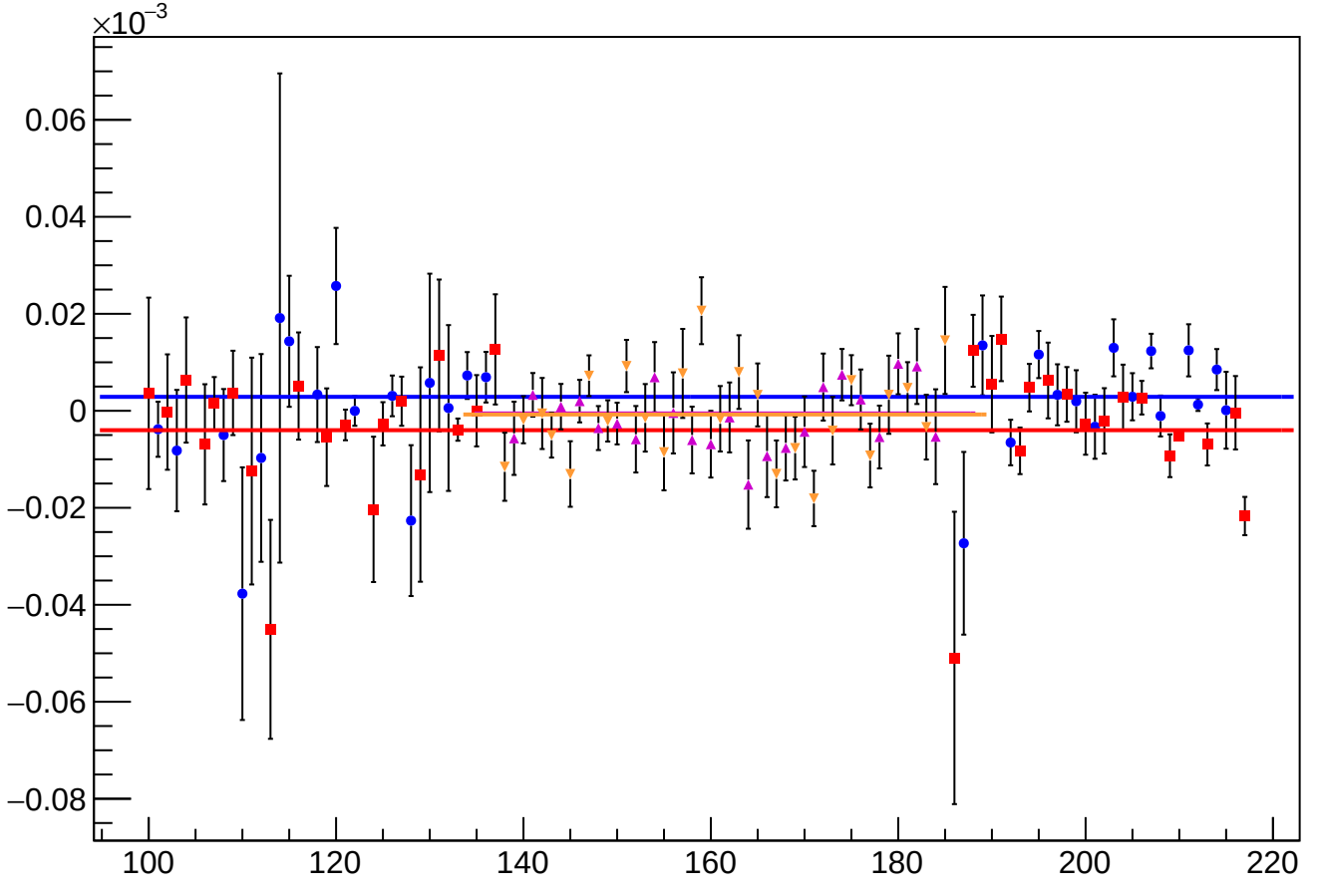
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.941+/-0.012 χ^2/NDF: 4769958.7/66

In: 86.874+/-0.010 χ^2/NDF:3746688.5/53

Out: 86.711+/-0.010 χ^2/NDF:4293131.6/60

All: 86.790+/-0.007 χ^2/NDF: 8039947.7/114



Right In: 0.000+/-0.000 χ^2/NDF: 44.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 62.3/35

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

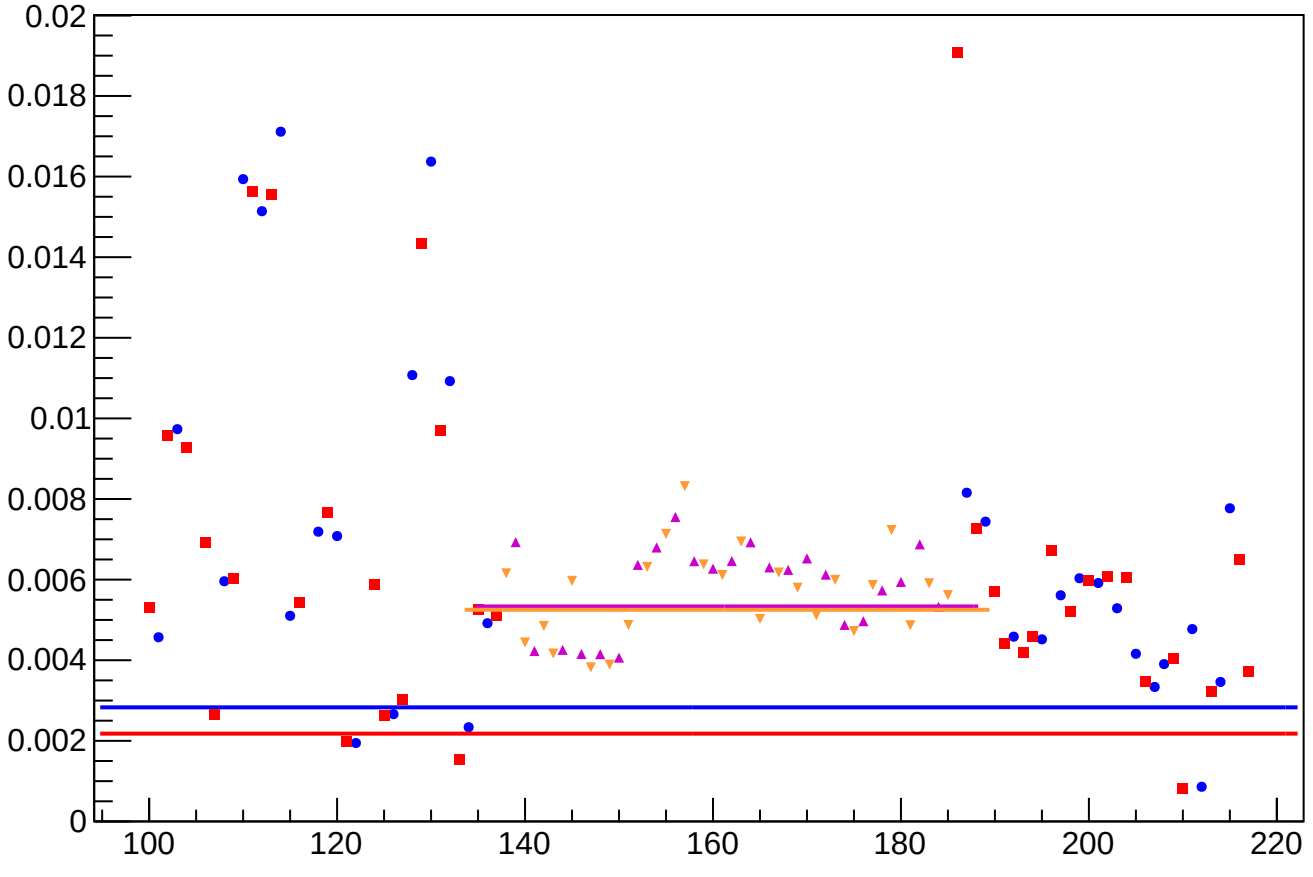
Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

Right: -0.000+/-0.000 χ^2/NDF: 147.1/66

In: 0.000+/-0.000 χ^2/NDF:68.0/53

Out: -0.000+/-0.000 χ^2/NDF:115.3/60

All: -0.000+/-0.000 χ^2/NDF: 213.8/114



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: 18409168.0/35

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

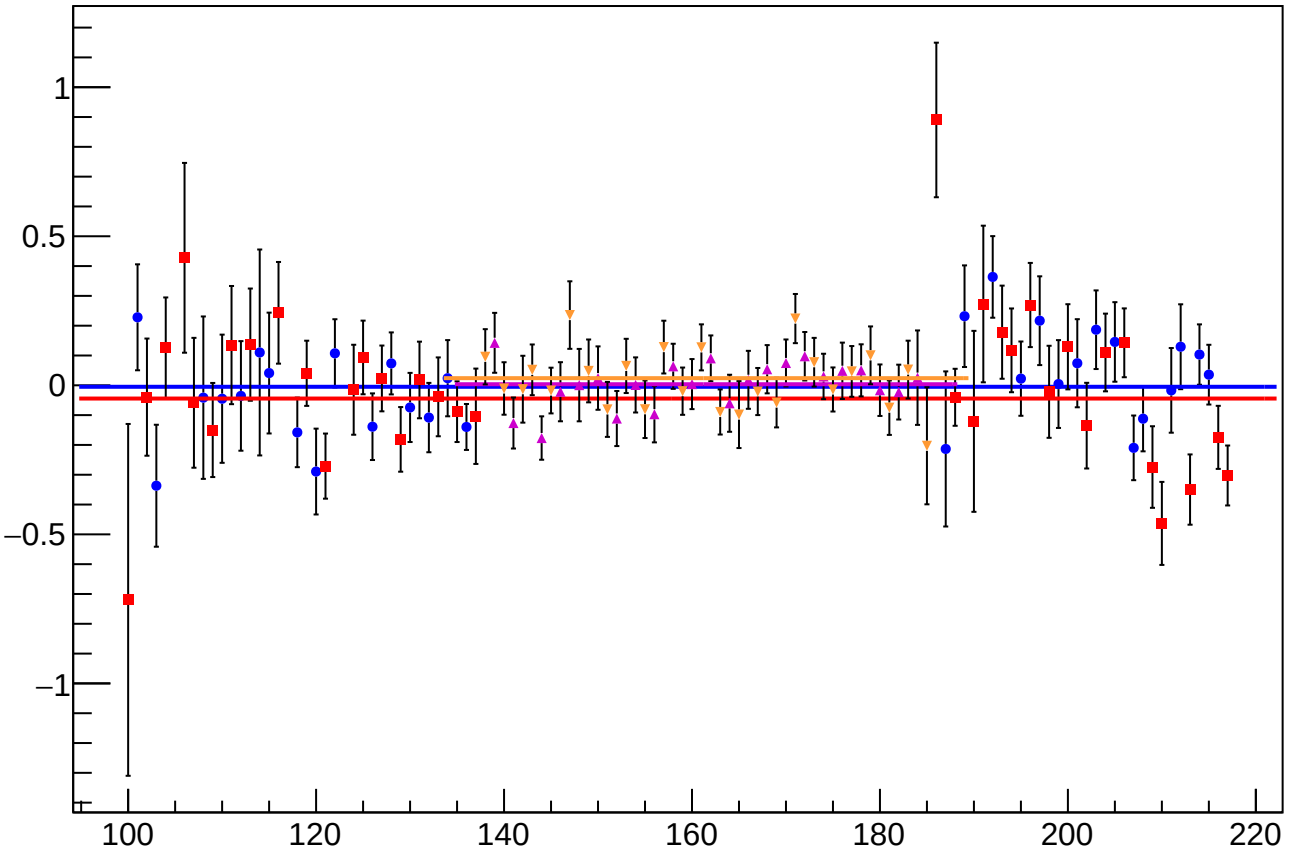
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.002+/-0.000 χ^2/NDF: 33115571.4/66

In: 0.004+/-0.000 χ^2/NDF:20805001.1/53

Out: 0.003+/-0.000 χ^2/NDF:29605060.9/60

All: 0.003+/-0.000 χ^2/NDF: 51569147.3/114



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: -0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

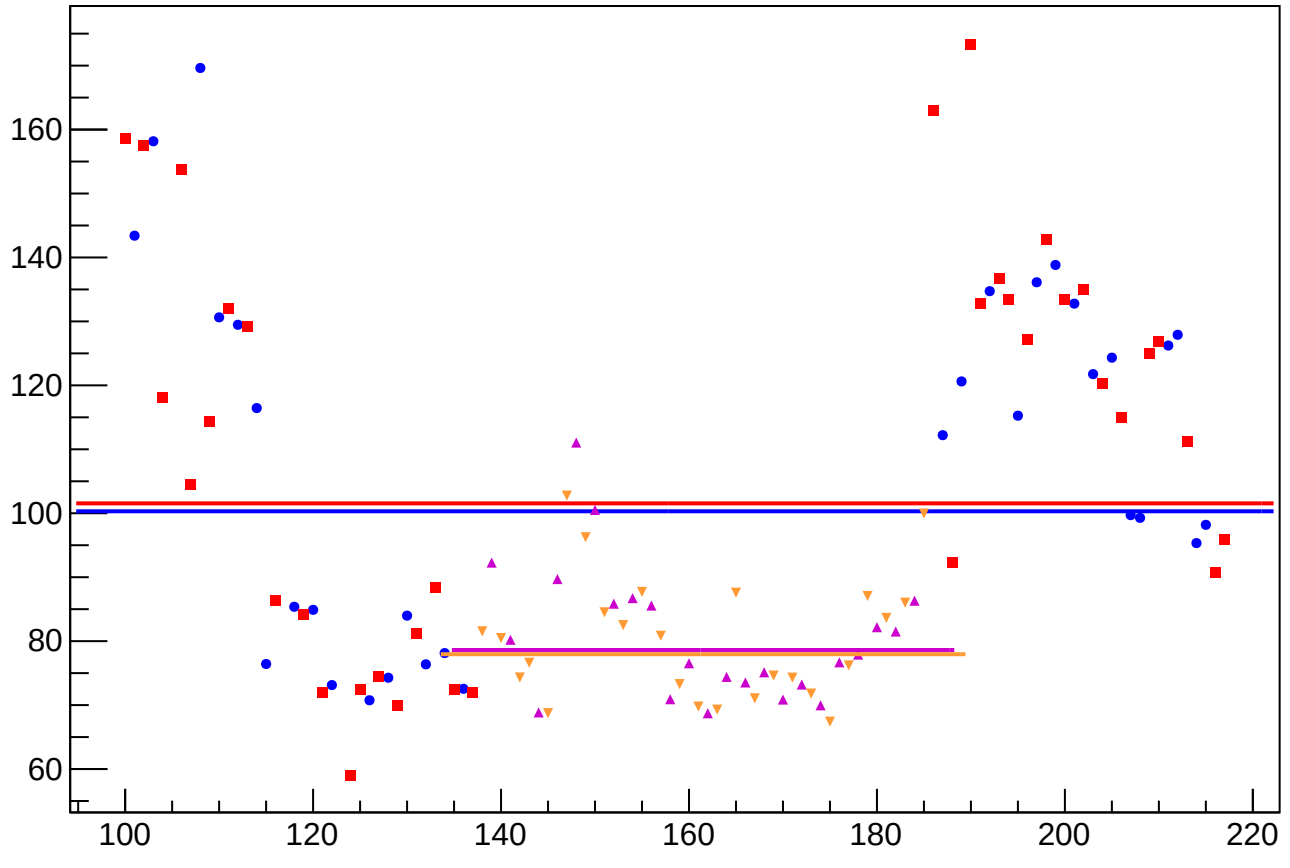
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.025+/-0.017 χ^2/NDF: 115.0/66

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: -0.001+/-0.014 χ^2/NDF:104.7/60

All: -0.001+/-0.010 χ^2/NDF: 163.5/114



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: 101.548+/-0.016 χ^2/NDF: 2558068.6/35

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

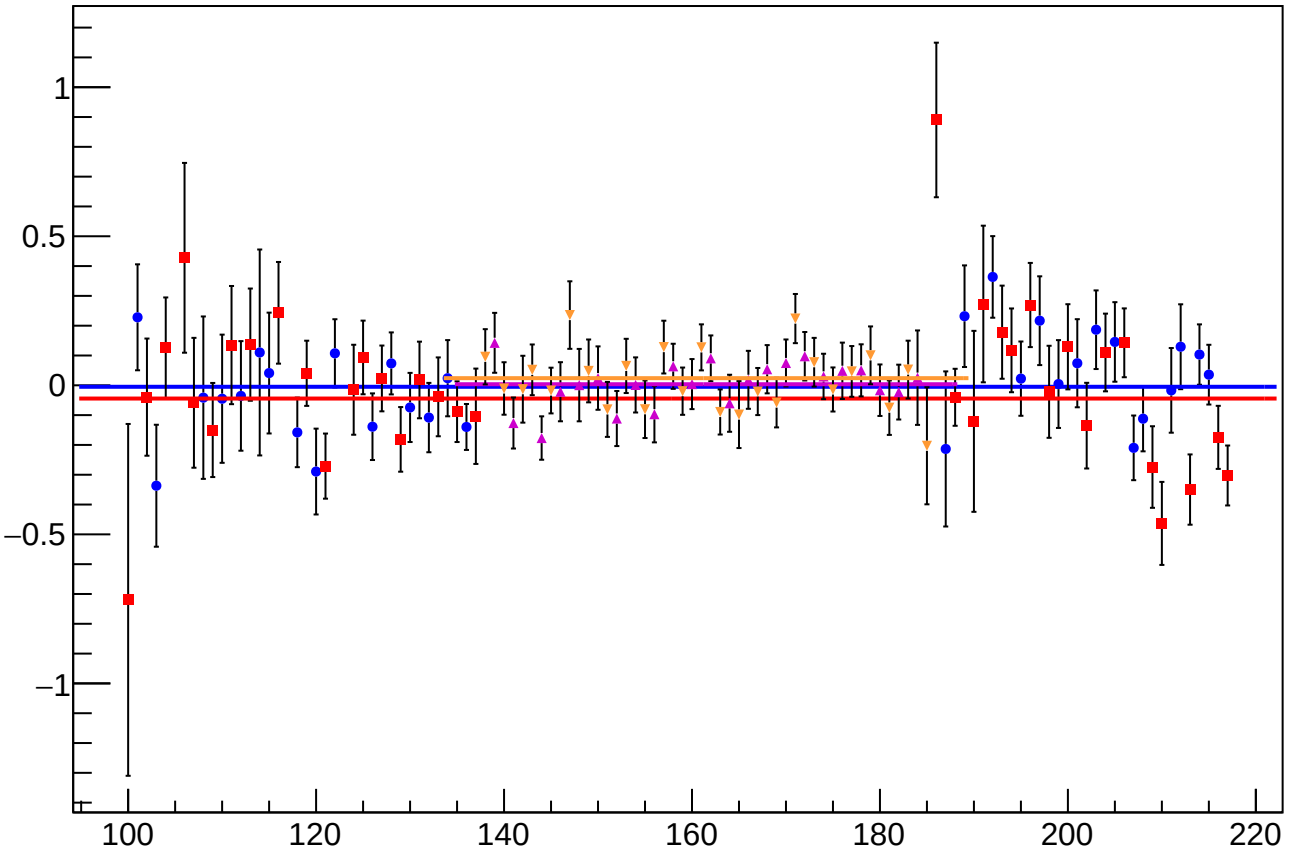
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 100.939+/-0.012 χ^2/NDF: 4770209.3/66

In: 86.873+/-0.010 χ^2/NDF:3746789.8/53

Out: 86.710+/-0.010 χ^2/NDF:4293188.0/60

All: 86.789+/-0.007 χ^2/NDF: 8040104.9/114



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: -0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

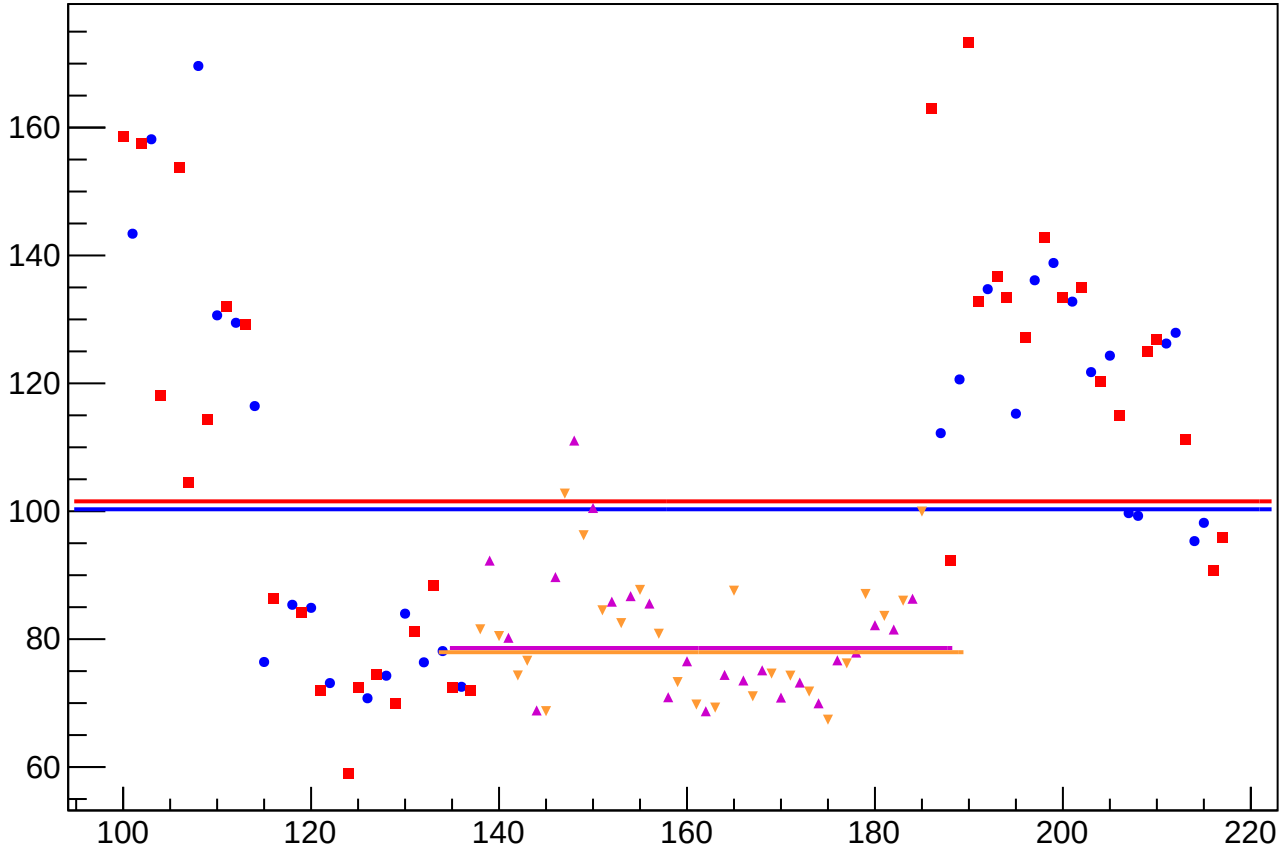
Right: -0.025+/-0.017 χ^2/NDF: 115.0/66

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: -0.001+/-0.014 χ^2/NDF:104.7/60

All: -0.001+/-0.010 χ^2/NDF: 163.5/114

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: 101.548+/-0.016 χ^2/NDF: 2558068.6/35

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

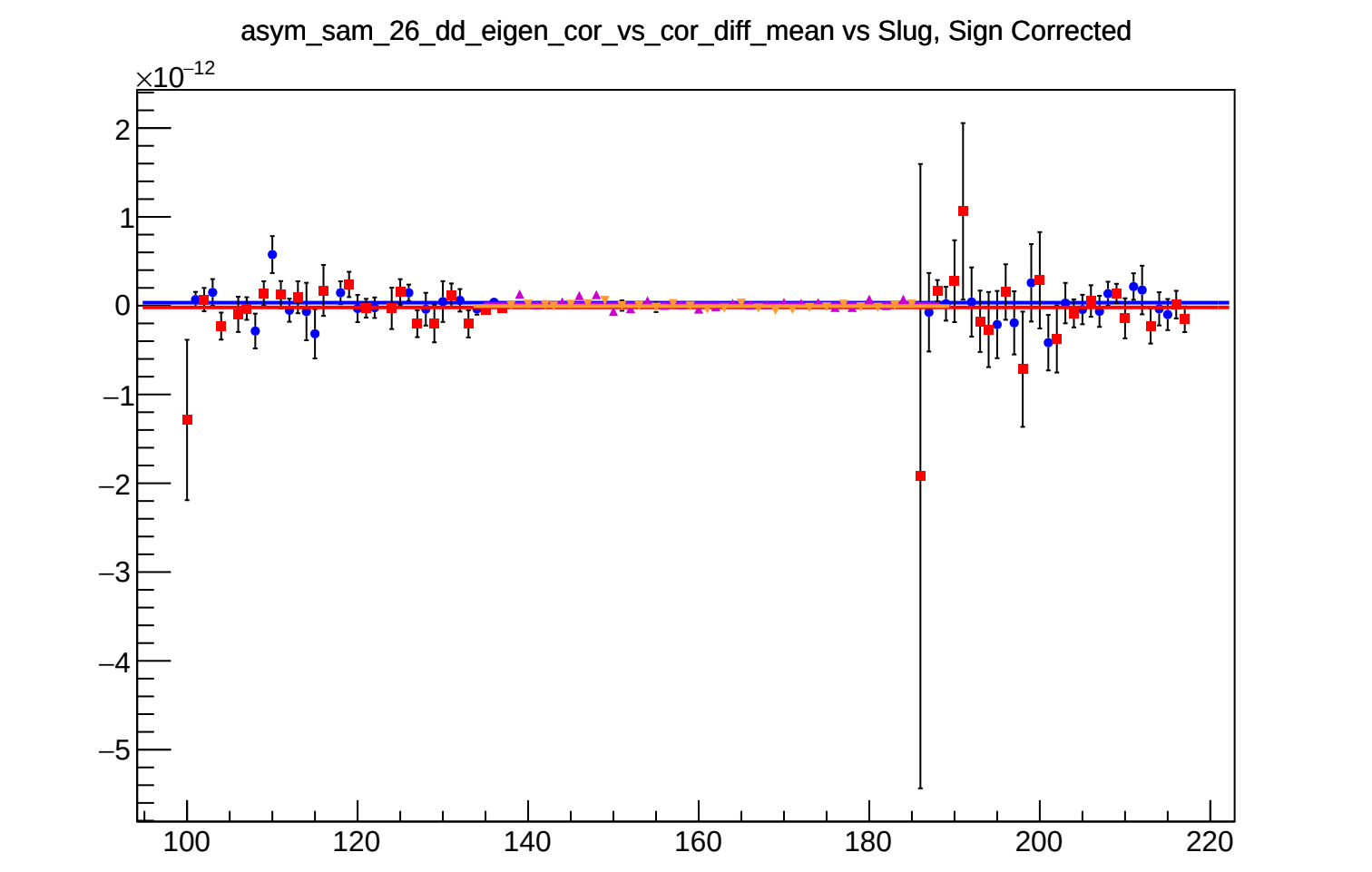
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 100.939+/-0.012 χ^2/NDF: 4770209.3/66

In: 86.873+/-0.010 χ^2/NDF:3746789.8/53

Out: 86.710+/-0.010 χ^2/NDF:4293188.0/60

All: 86.789+/-0.007 χ^2/NDF: 8040104.9/114



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: 30.2/35

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

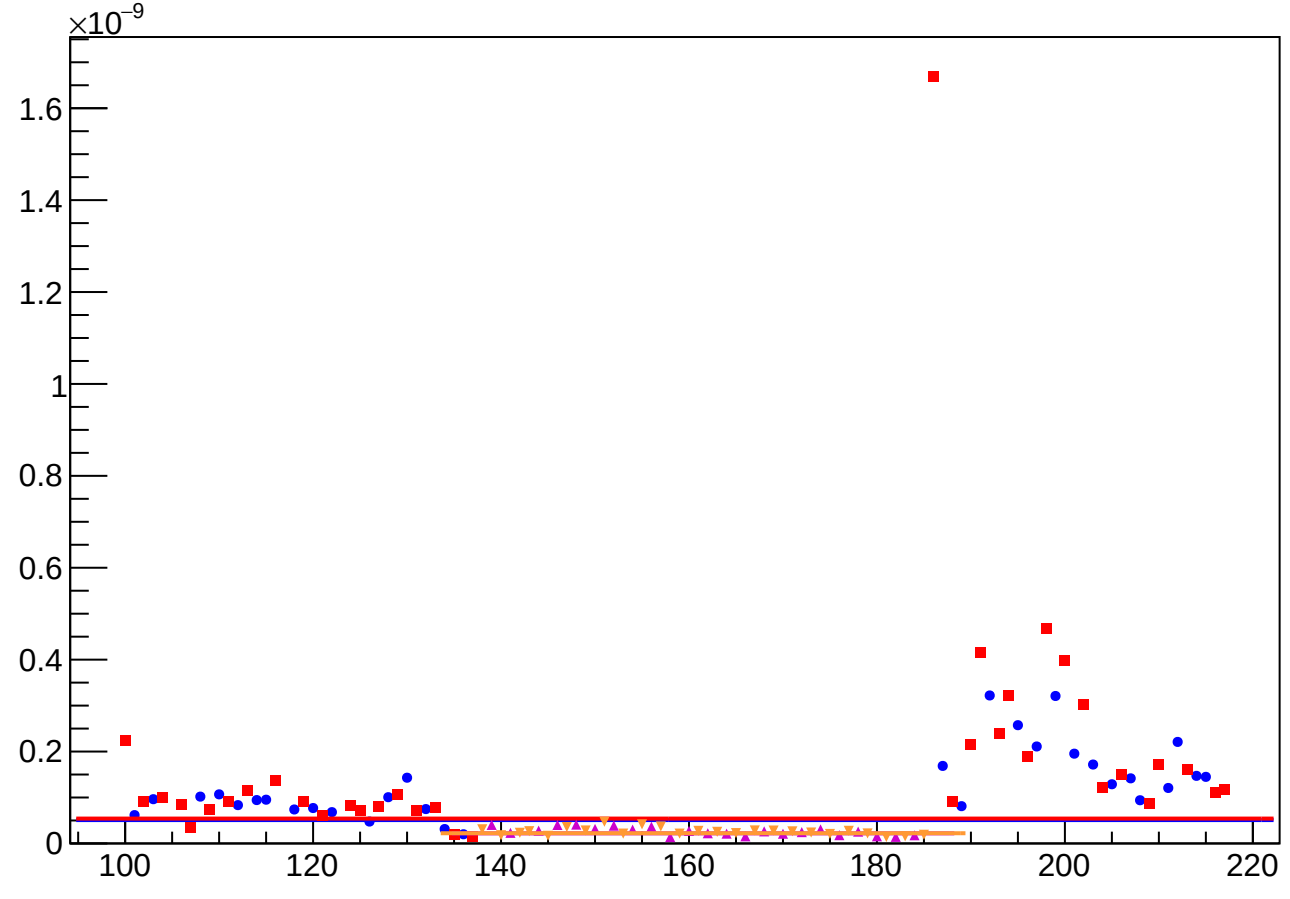
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 57.0/66

In: 0.000+/-0.000 χ^2/NDF:63.6/53

Out: -0.000+/-0.000 χ^2/NDF:43.8/60

All: 0.000+/-0.000 χ^2/NDF: 118.2/114



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: 13381984.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

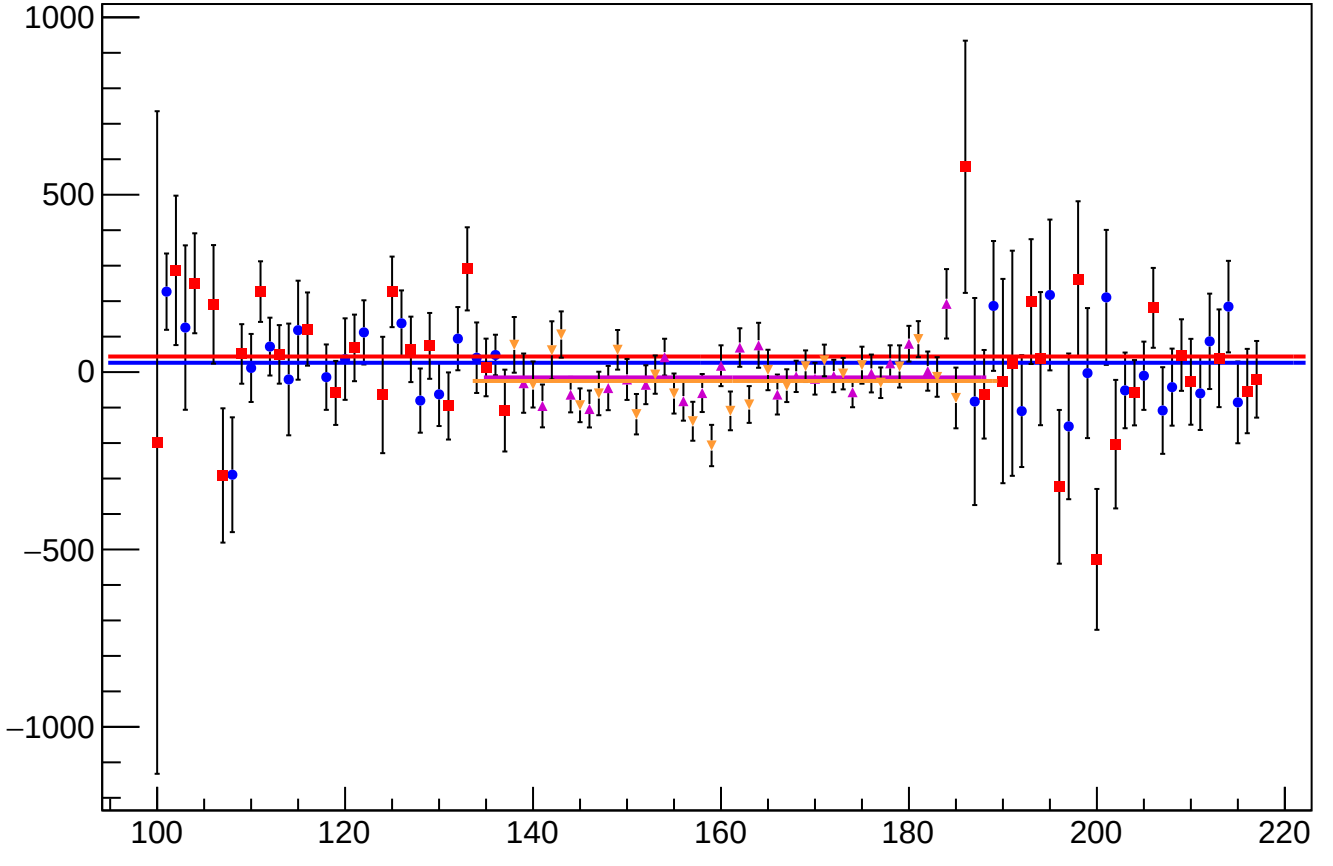
Right: 0.000+/-0.000 χ^2/NDF: 25084031.9/66

In: 0.000+/-0.000 χ^2/NDF:18500075.8/53

Out: 0.000+/-0.000 χ^2/NDF:20222607.7/60

All: 0.000+/-0.000 χ^2/NDF: 38722899.0/114

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: 43.946+/-19.990 χ^2/NDF: 48.4/35

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

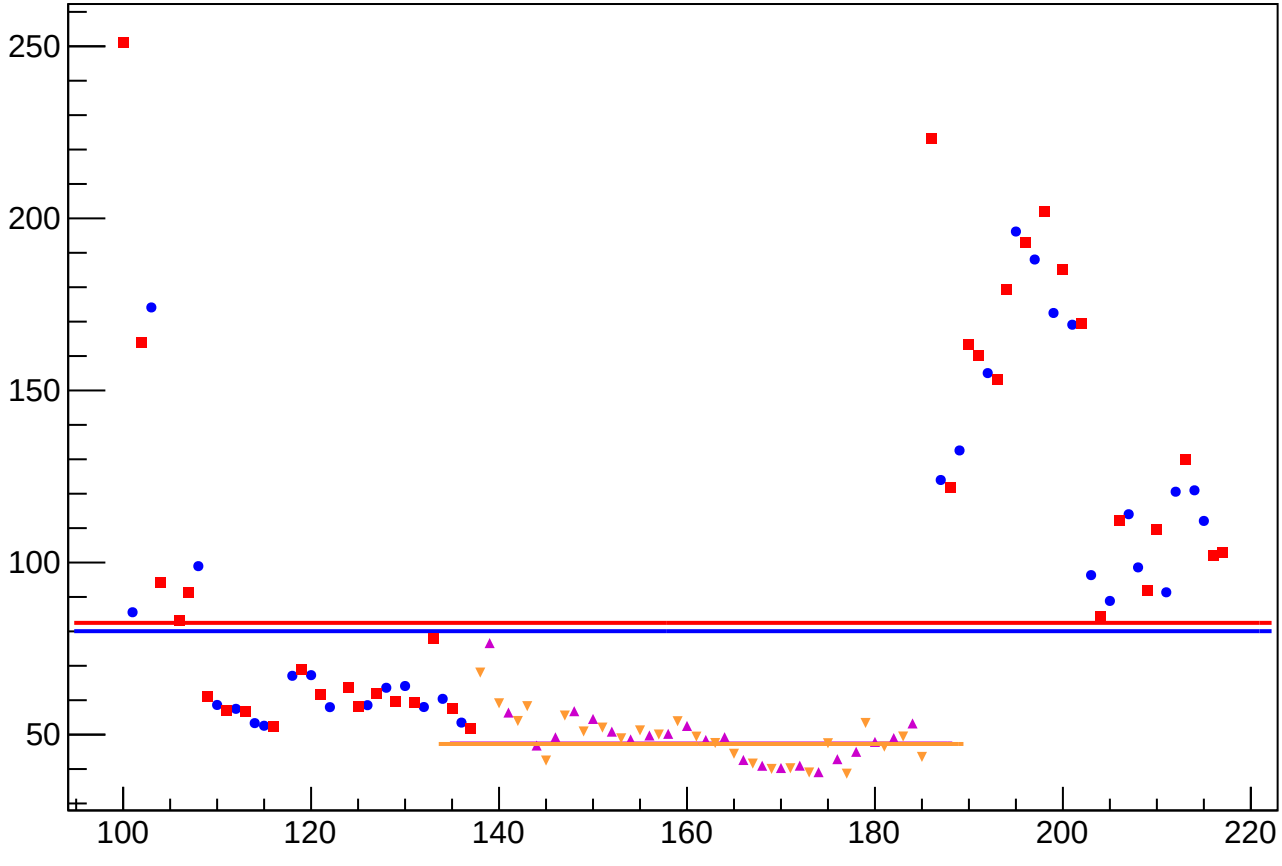
Right: 35.098+/-14.104 χ^2/NDF: 72.6/66

In: -5.032+/-9.773 χ^2/NDF:51.8/53

Out: -9.217+/-9.561 χ^2/NDF:100.6/60

All: -7.170+/-6.834 χ^2/NDF: 152.6/114

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 80.059+/-0.014 χ^2/NDF: 5400683.0/30

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 82.474+/-0.014 χ^2/NDF: 6392025.6/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

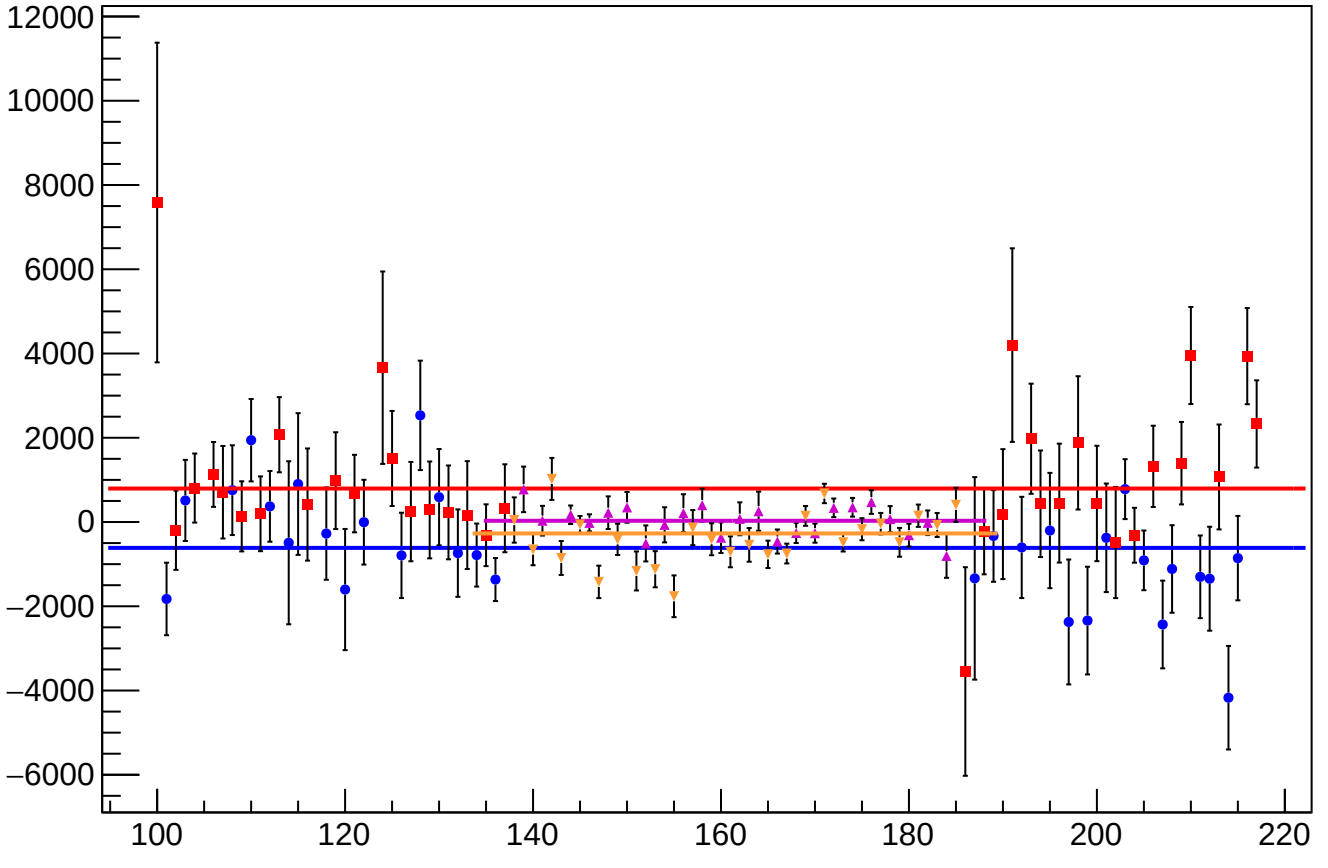
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 81.261+/-0.010 χ^2/NDF: 11807371.9/66

In: 55.292+/-0.007 χ^2/NDF:10136749.0/53

Out: 55.335+/-0.007 χ^2/NDF:11889384.9/60

All: 55.314+/-0.005 χ^2/NDF: 22026152.9/114



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: 794.839+/-180.032 χ^2/NDF: 42.9/35

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

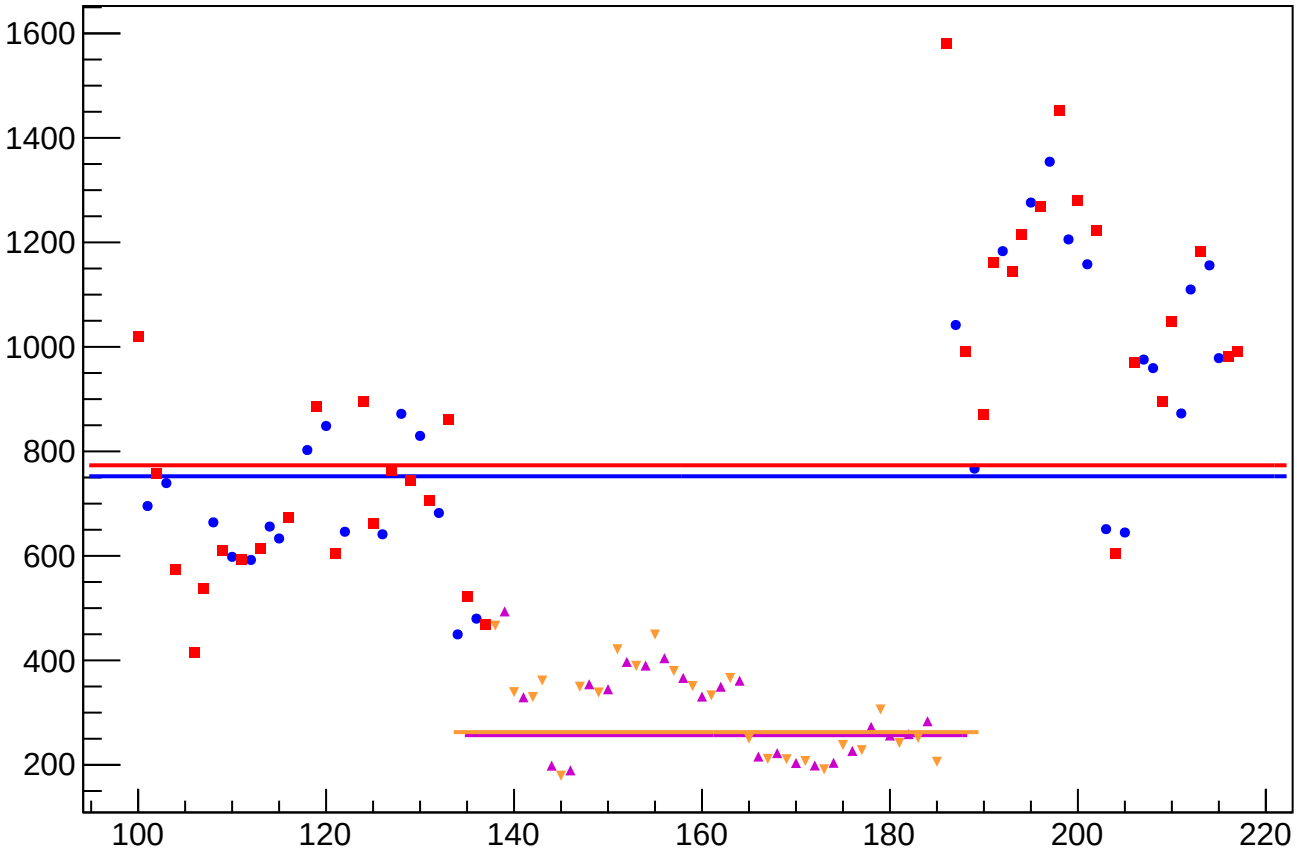
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 92.611+/-127.493 χ^2/NDF: 117.7/66

In: -39.930+/-59.206 χ^2/NDF:80.0/53

Out: -156.893+/-58.913 χ^2/NDF:148.1/60

All: -98.702+/-41.761 χ^2/NDF: 230.1/114



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: 773.352+/-0.127 χ^2/NDF: 4052044.4/35

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

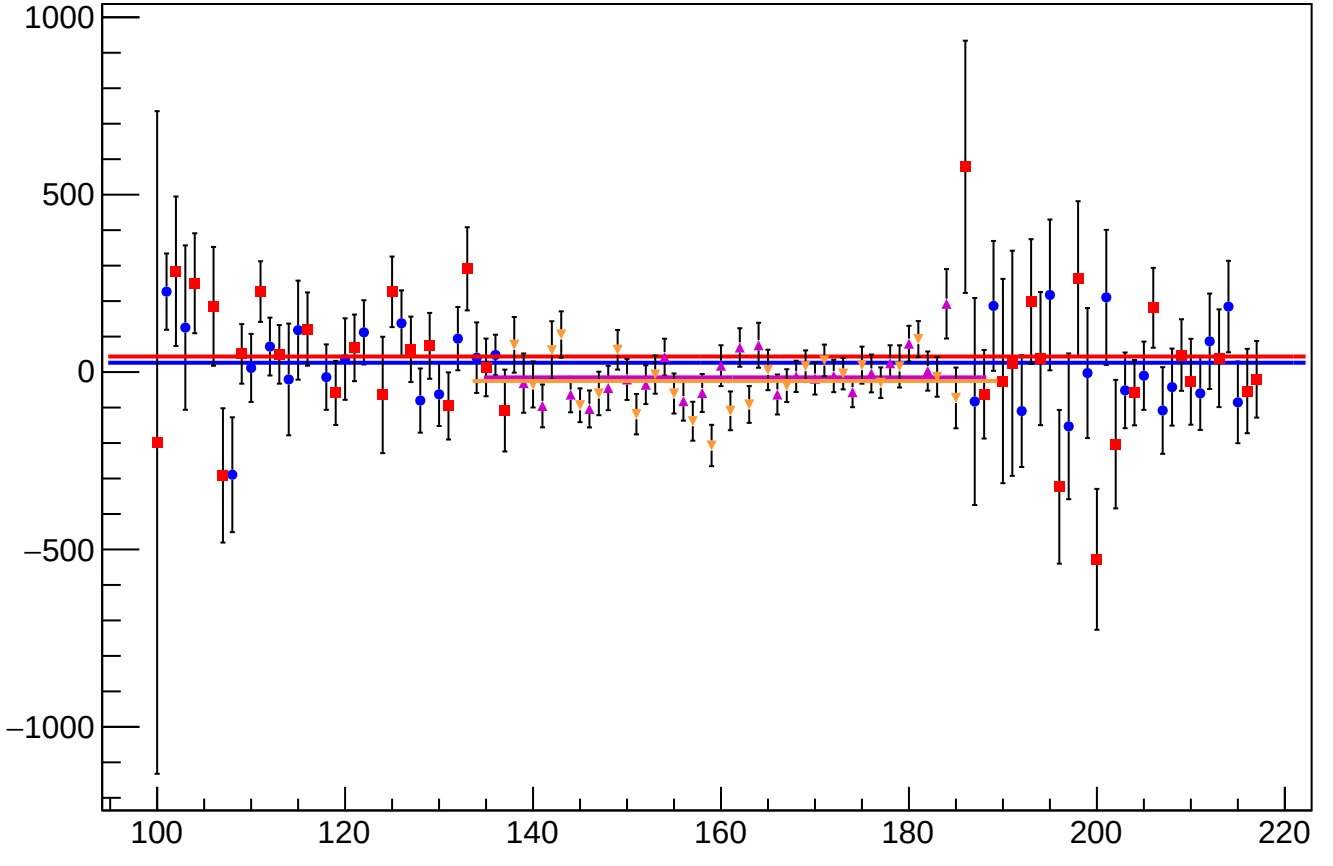
Right: 762.887+/-0.090 χ^2/NDF: 7350843.6/66

In: 310.112+/-0.042 χ^2/NDF:19365763.5/53

Out: 317.364+/-0.042 χ^2/NDF:21314314.7/60

All: 313.756+/-0.030 χ^2/NDF: 40695155.8/1

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: 43.824+/-19.991 χ^2/NDF: 48.3/35

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

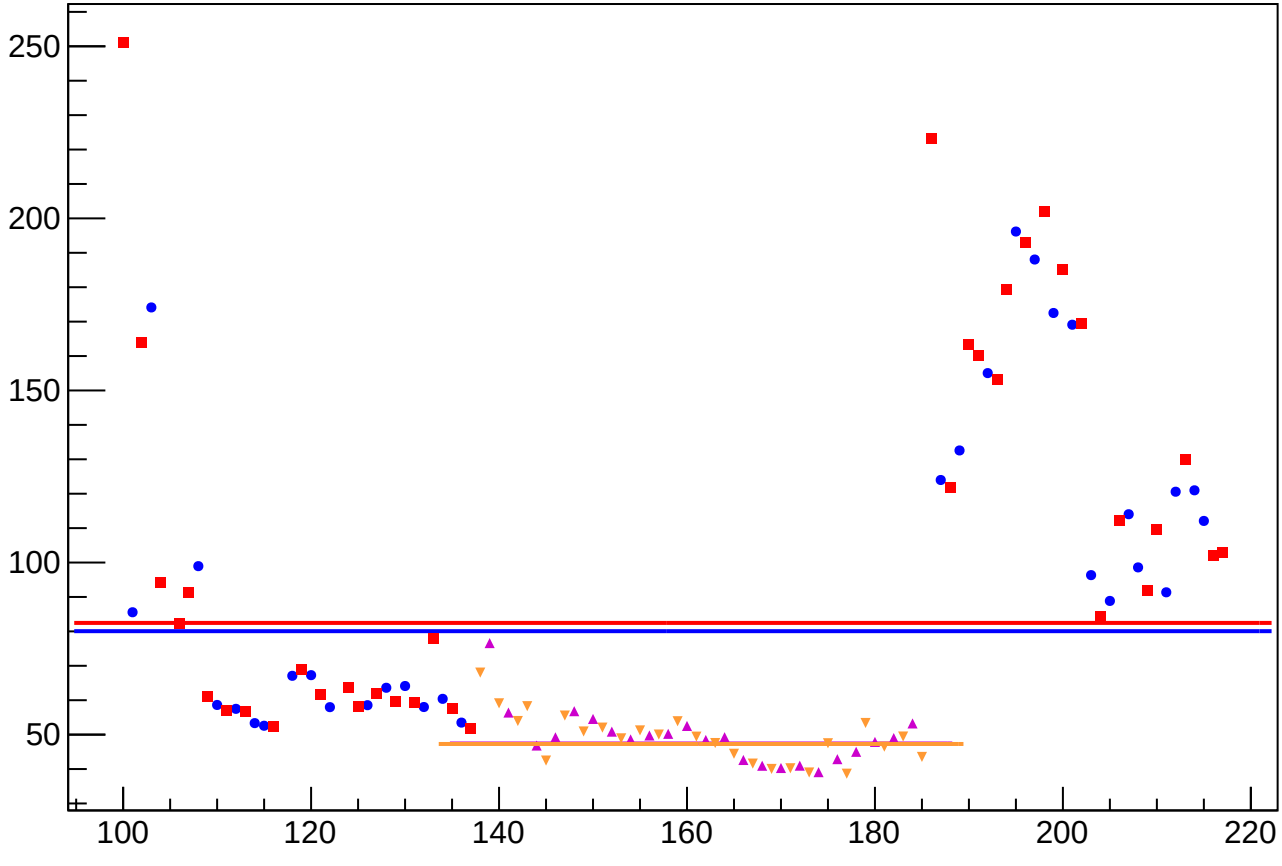
Right: 35.034+/-14.105 χ^2/NDF: 72.5/66

In: -5.032+/-9.773 χ^2/NDF:51.8/53

Out: -9.243+/-9.561 χ^2/NDF:100.5/60

All: -7.184+/-6.834 χ^2/NDF: 152.4/114

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: 82.459+/-0.014 χ^2/NDF: 6392174.3/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

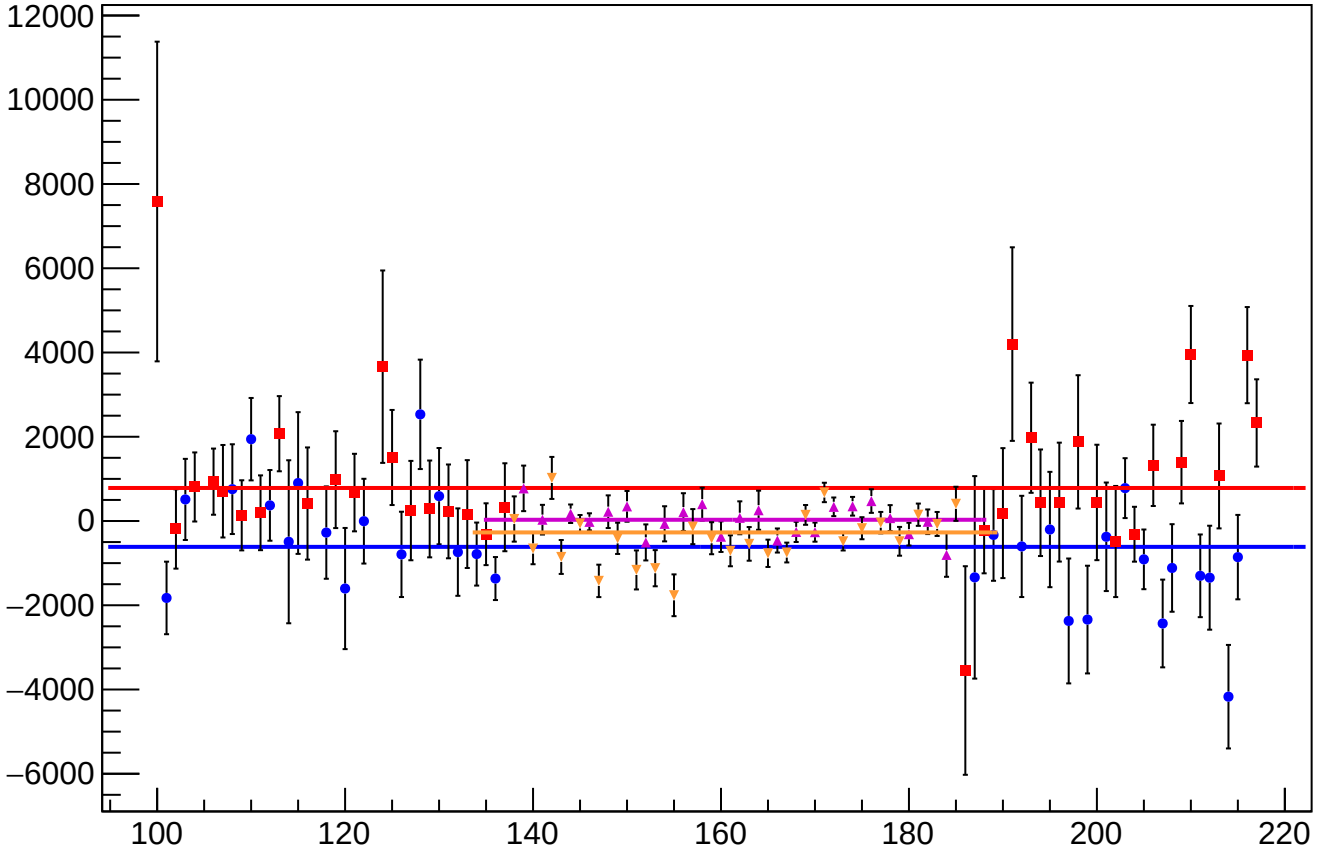
Right: 81.254+/-0.010 χ^2/NDF: 11807345.2/66

In: 55.292+/-0.007 χ^2/NDF:10136750.9/53

Out: 55.331+/-0.007 χ^2/NDF:11885255.7/60

All: 55.312+/-0.005 χ^2/NDF: 22022022.2/114

asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -613.857+/-180.575 χ^2/NDF: 44.3/30

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 784.213+/-180.232 χ^2/NDF: 42.7/35

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

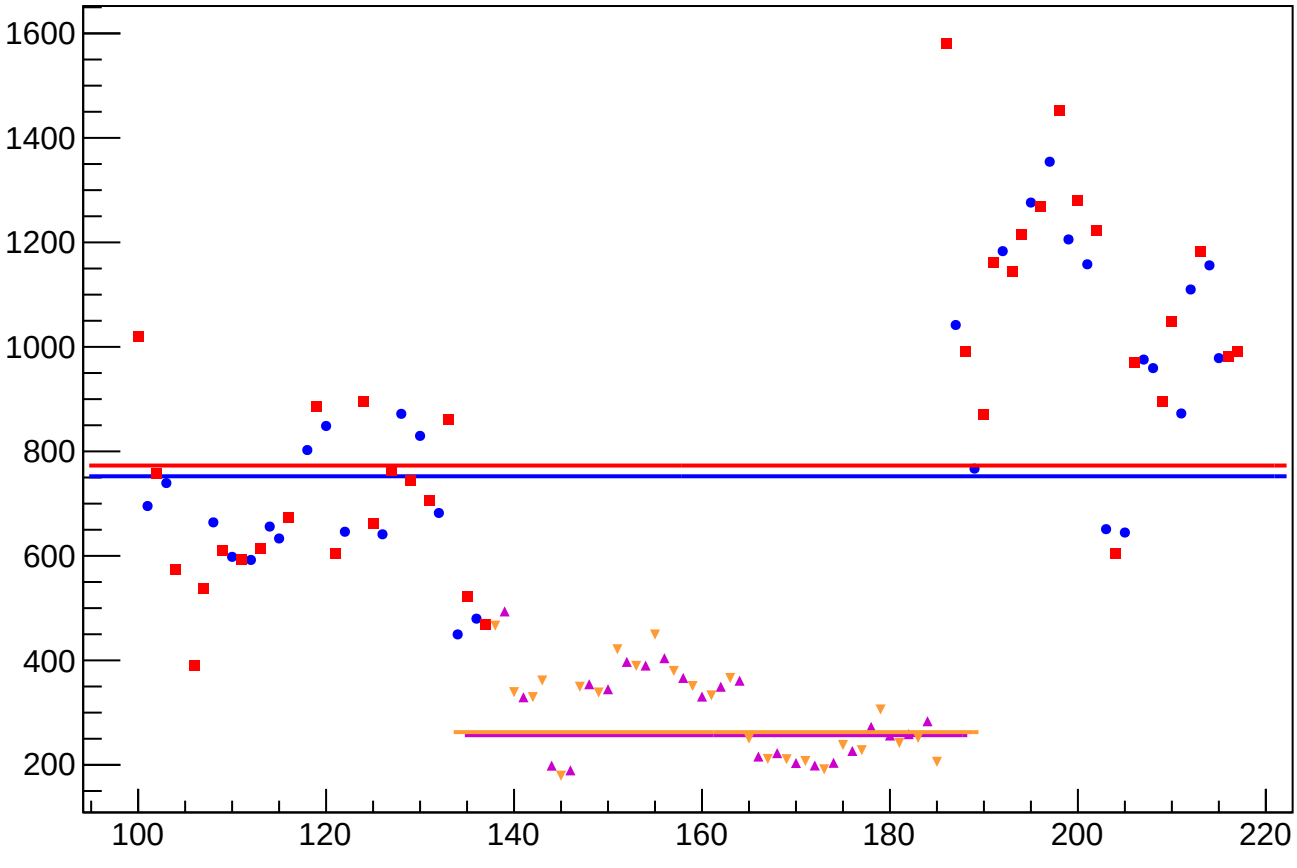
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 86.510+/-127.564 χ^2/NDF: 117.1/66

In: -39.928+/-59.206 χ^2/NDF:80.0/53

Out: -158.250+/-58.920 χ^2/NDF:147.3/60

All: -99.376+/-41.764 χ^2/NDF: 229.3/114



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: 772.916+/-0.127 χ^2/NDF: 4091279.4/35

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

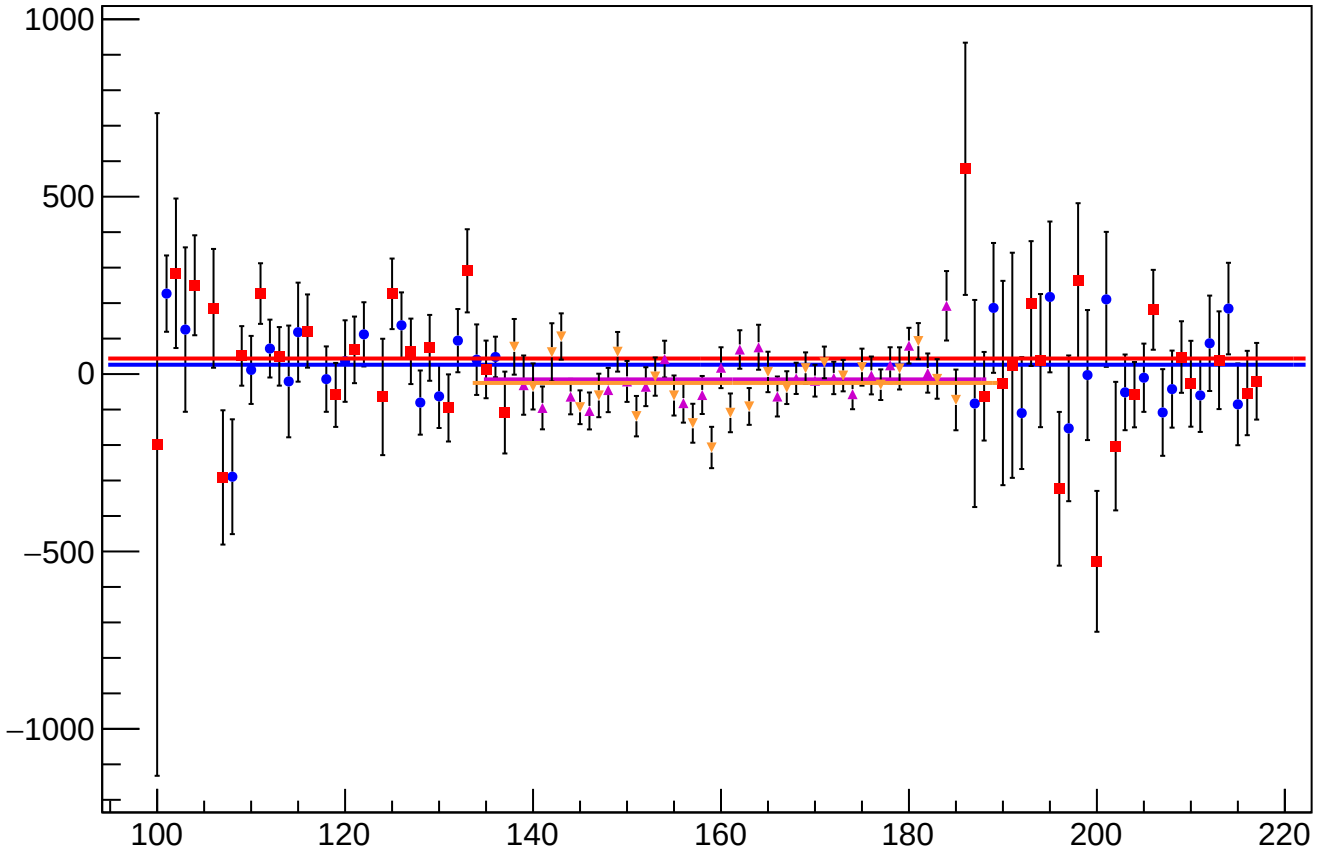
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 762.659+/-0.090 χ^2/NDF: 7389499.3/66

In: 310.112+/-0.042 χ^2/NDF:19365809.6/53

Out: 317.209+/-0.042 χ^2/NDF:21300675.3/60

All: 313.678+/-0.030 χ^2/NDF: 40680924.2/11



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: 43.824+/-19.991 χ^2/NDF: 48.3/35

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

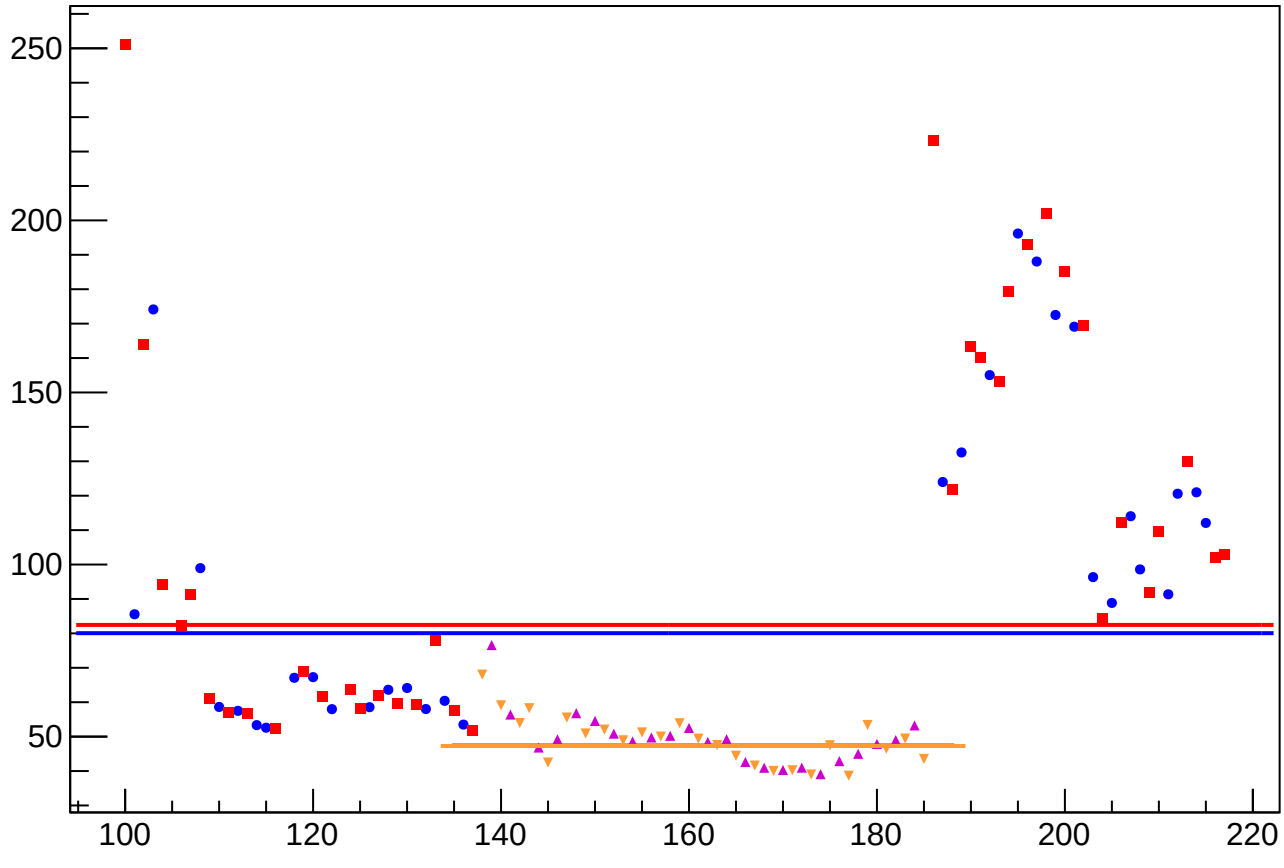
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 35.034+/-14.105 χ^2/NDF: 72.5/66

In: -5.032+/-9.773 χ^2/NDF:51.8/53

Out: -9.243+/-9.561 χ^2/NDF:100.5/60

All: -7.184+/-6.834 χ^2/NDF: 152.4/114



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: 82.459+/-0.014 χ^2/NDF: 6392174.3/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

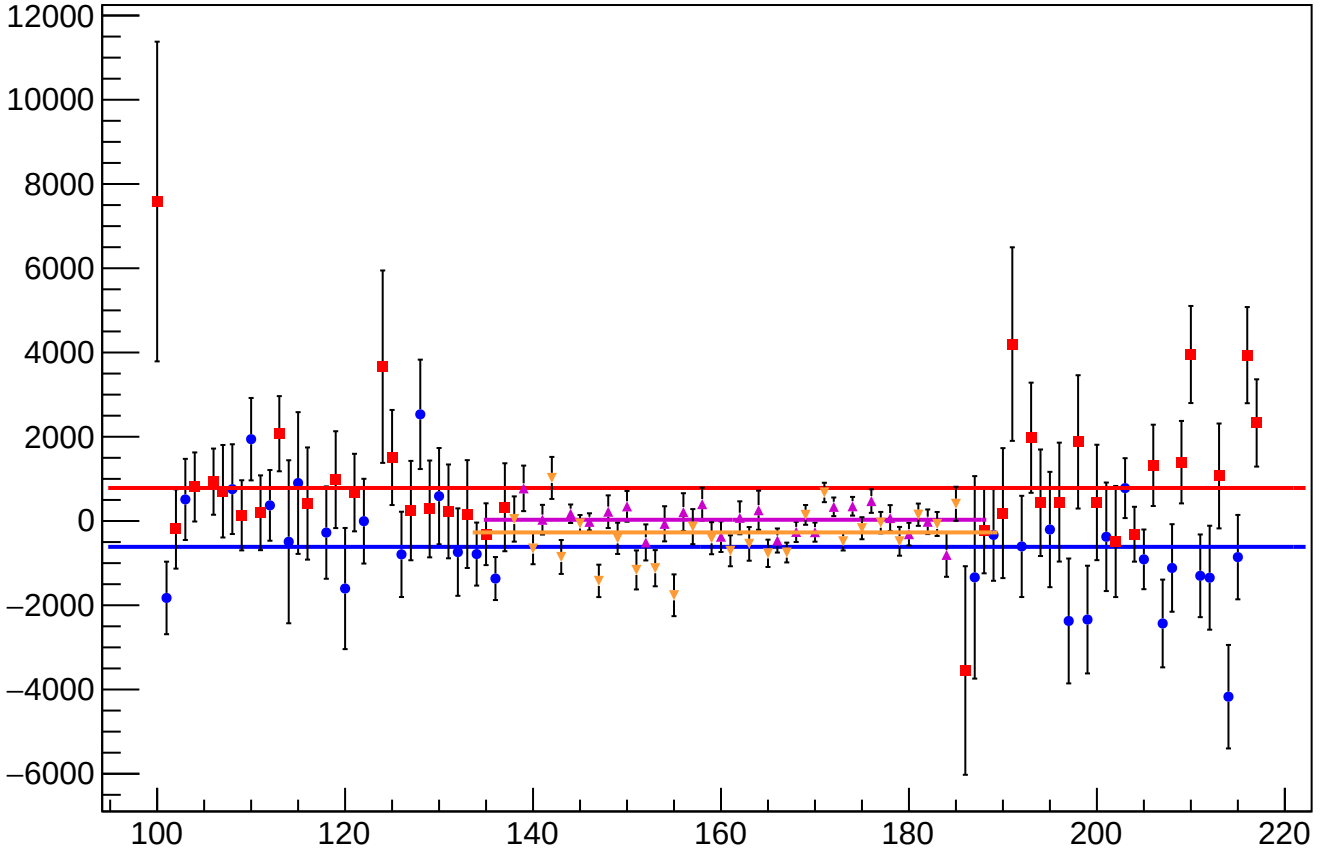
Right: 81.254+/-0.010 χ^2/NDF: 11807345.2/66

In: 55.292+/-0.007 χ^2/NDF:10136750.9/53

Out: 55.331+/-0.007 χ^2/NDF:11885255.7/60

All: 55.312+/-0.005 χ^2/NDF: 22022022.2/114

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -613.857+/-180.575 χ^2/NDF: 44.3/30

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 784.213+/-180.232 χ^2/NDF: 42.7/35

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

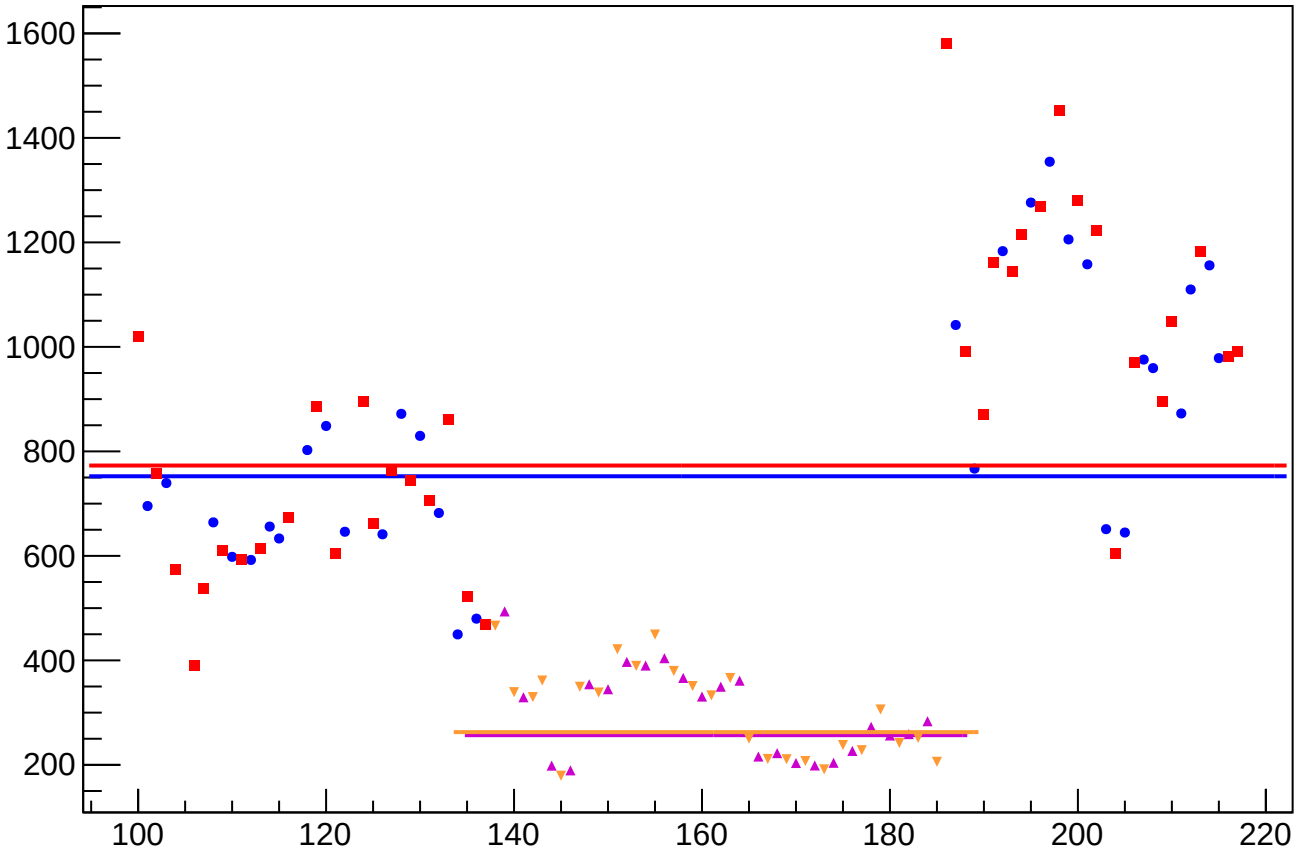
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 86.510+/-127.564 χ^2/NDF: 117.1/66

In: -39.928+/-59.206 χ^2/NDF:80.0/53

Out: -158.250+/-58.920 χ^2/NDF:147.3/60

All: -99.376+/-41.764 χ^2/NDF: 229.3/114



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: 772.916+/-0.127 χ^2/NDF: 4091279.4/35

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

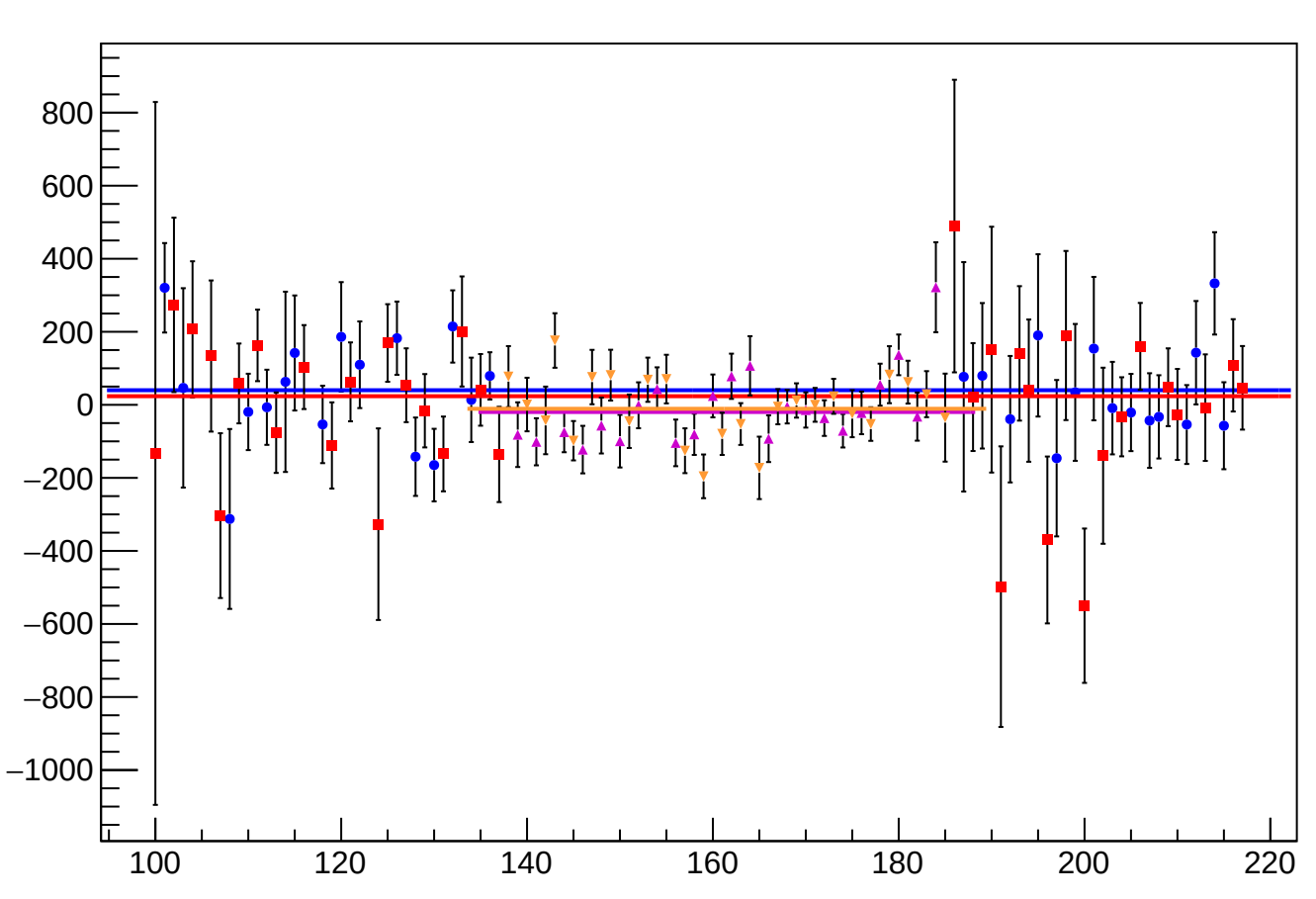
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 762.659+/-0.090 χ^2/NDF: 7389499.3/66

In: 310.112+/-0.042 χ^2/NDF:19365809.6/53

Out: 317.209+/-0.042 χ^2/NDF:21300675.3/60

All: 313.678+/-0.030 χ^2/NDF: 40680924.2/11



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: 23.625+/-22.988 χ^2/NDF: 35.9/35

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

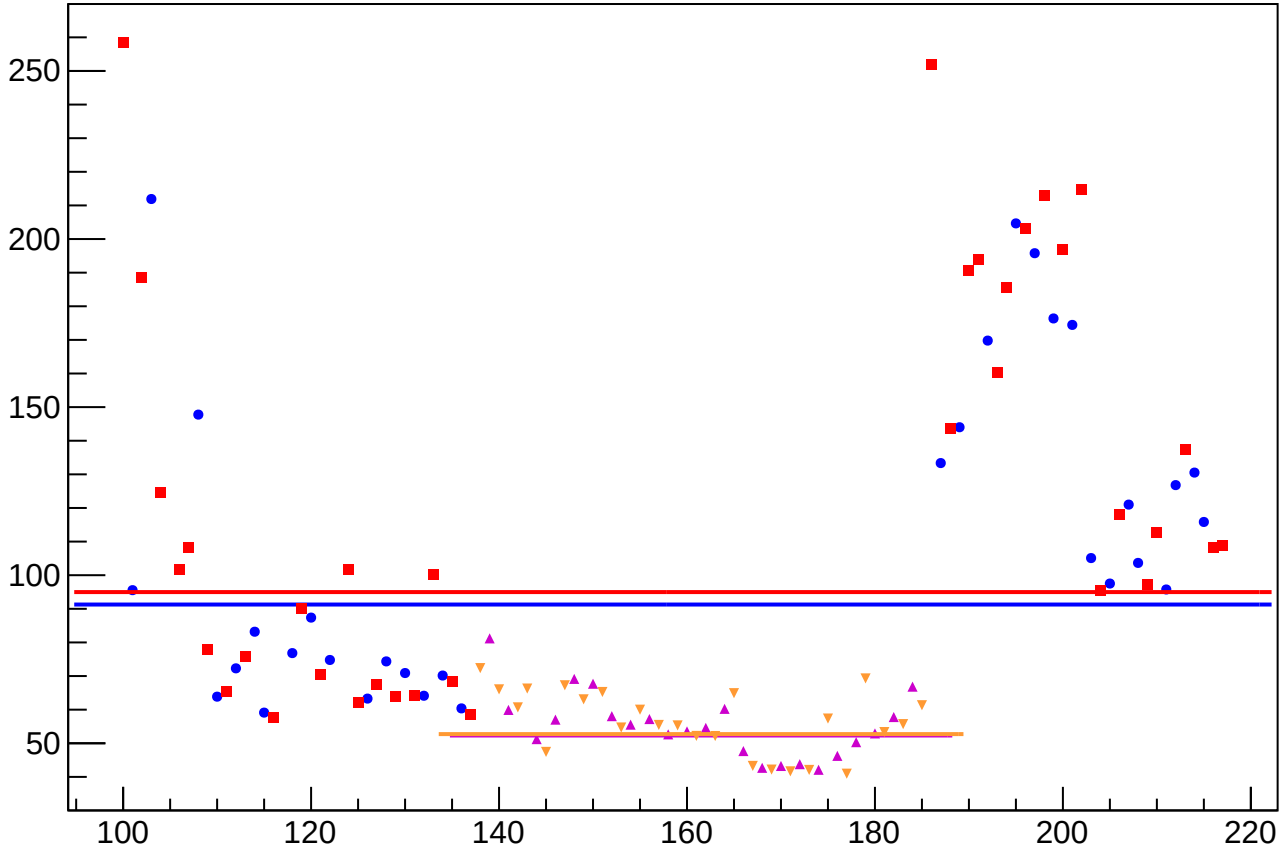
Right: 31.963+/-16.116 χ^2/NDF: 68.6/66

In: -5.553+/-10.969 χ^2/NDF:74.5/53

Out: -3.150+/-10.849 χ^2/NDF:78.1/60

All: -4.338+/-7.714 χ^2/NDF: 152.6/114

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 91.274+/-0.016 χ^2/NDF: 4716413.7/30

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 94.978+/-0.016 χ^2/NDF: 5825449.5/35

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

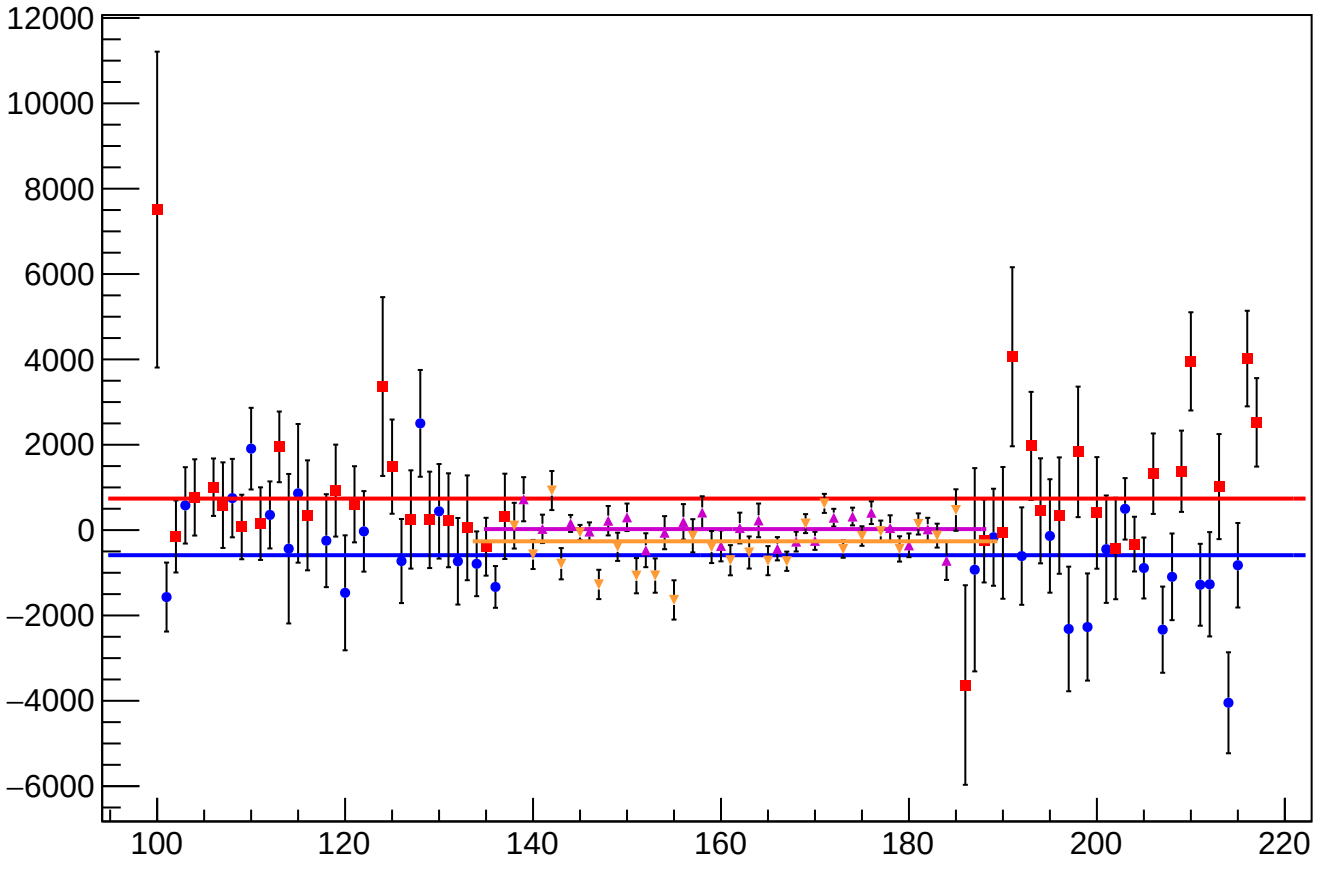
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 93.095+/-0.011 χ^2/NDF: 10568272.1/66

In: 61.491+/-0.008 χ^2/NDF:10151677.2/53

Out: 62.141+/-0.008 χ^2/NDF:12242946.0/60

All: 61.820+/-0.005 χ^2/NDF: 22398169.4/114



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: 738.686+/-172.192 χ^2/NDF: 47.0/35

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

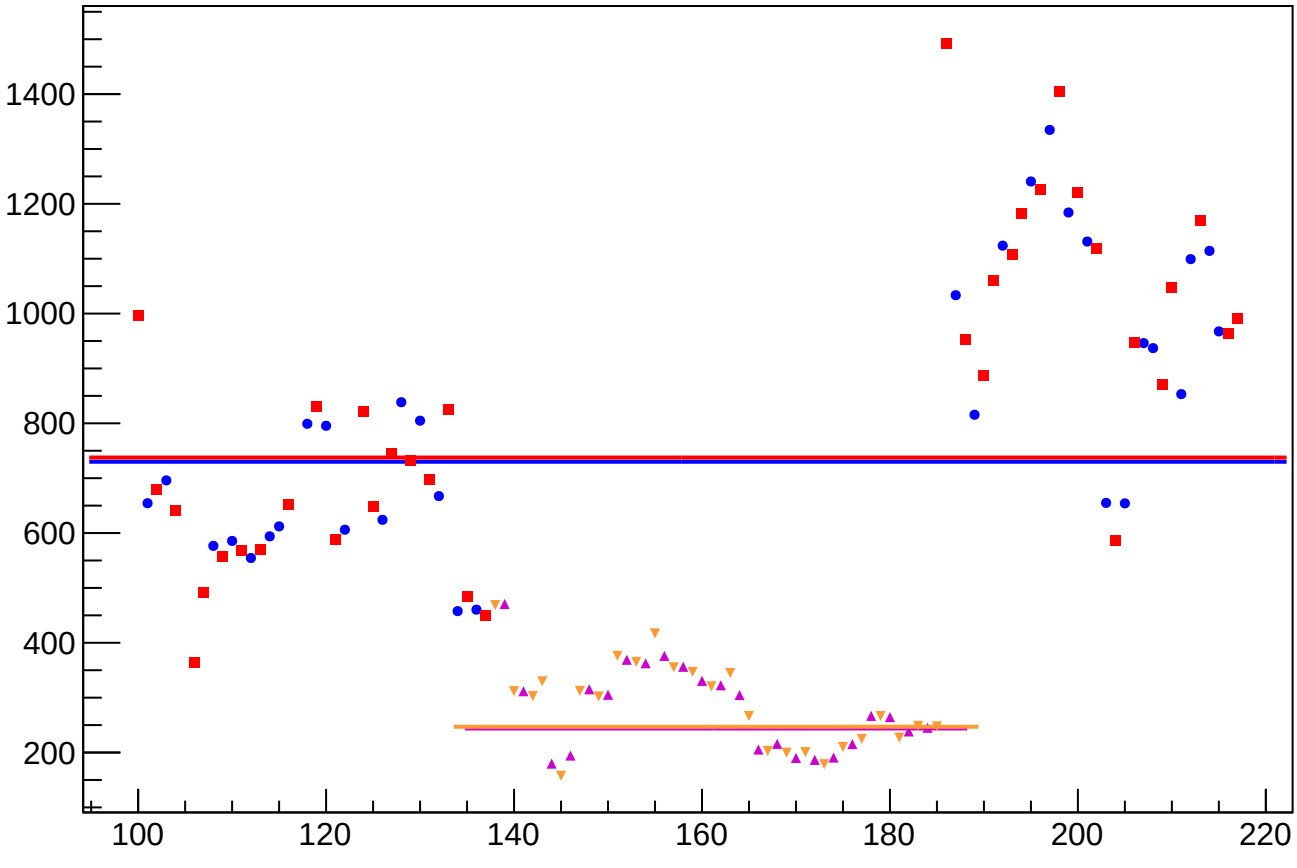
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 86.352+/-122.770 χ^2/NDF: 119.4/66

In: -39.649+/-56.248 χ^2/NDF:78.3/53

Out: -158.971+/-55.391 χ^2/NDF:149.5/60

All: -100.226+/-39.467 χ^2/NDF: 230.1/114



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: 737.647+/-0.122 χ^2/NDF: 4375812.1/35

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

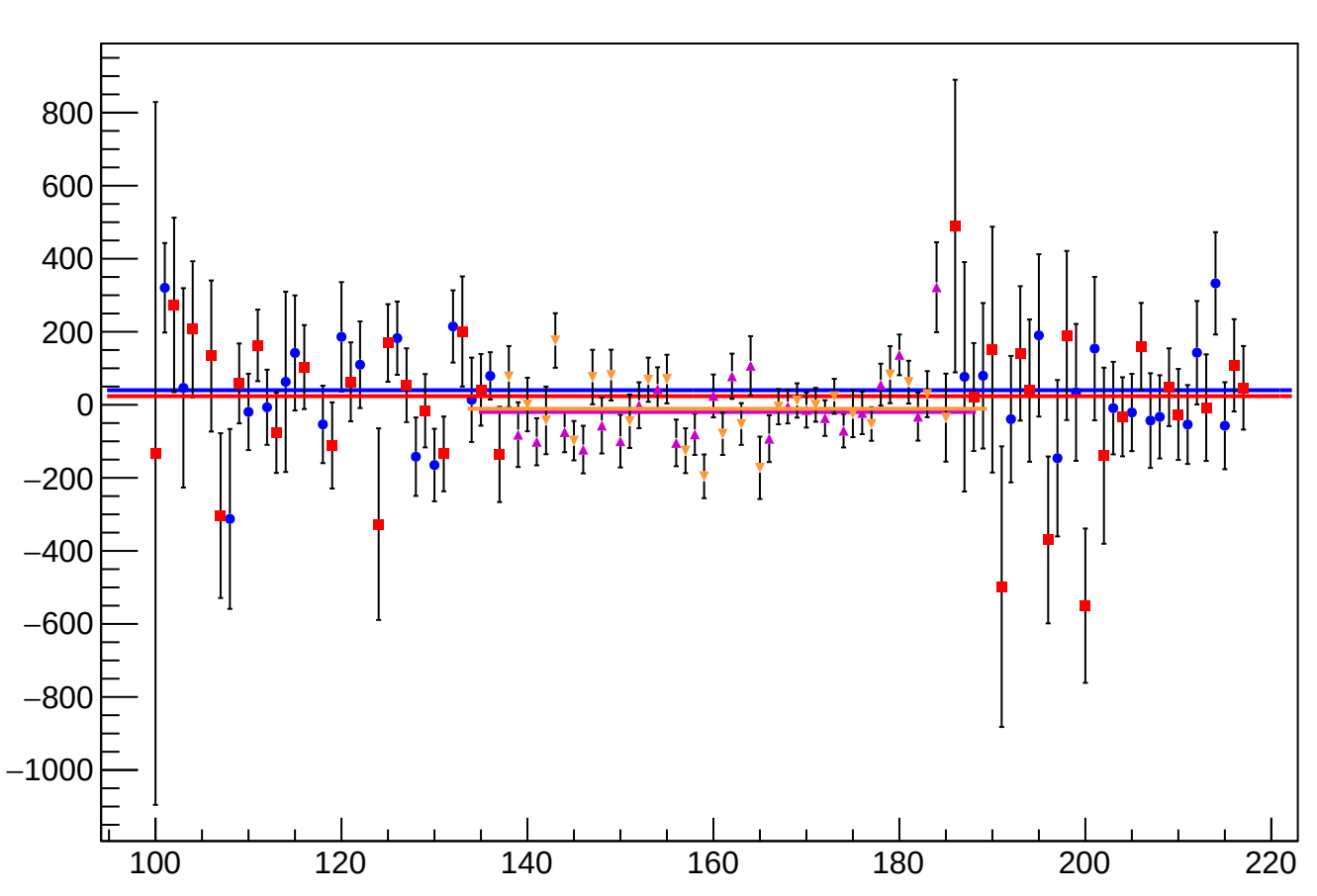
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 733.866+/-0.087 χ^2/NDF: 7734999.1/66

In: 293.996+/-0.040 χ^2/NDF:19674305.3/53

Out: 297.768+/-0.039 χ^2/NDF:21859727.8/60

All: 295.911+/-0.028 χ^2/NDF: 41538598.8/11



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: 23.624+/-22.988 χ^2/NDF: 35.9/35

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

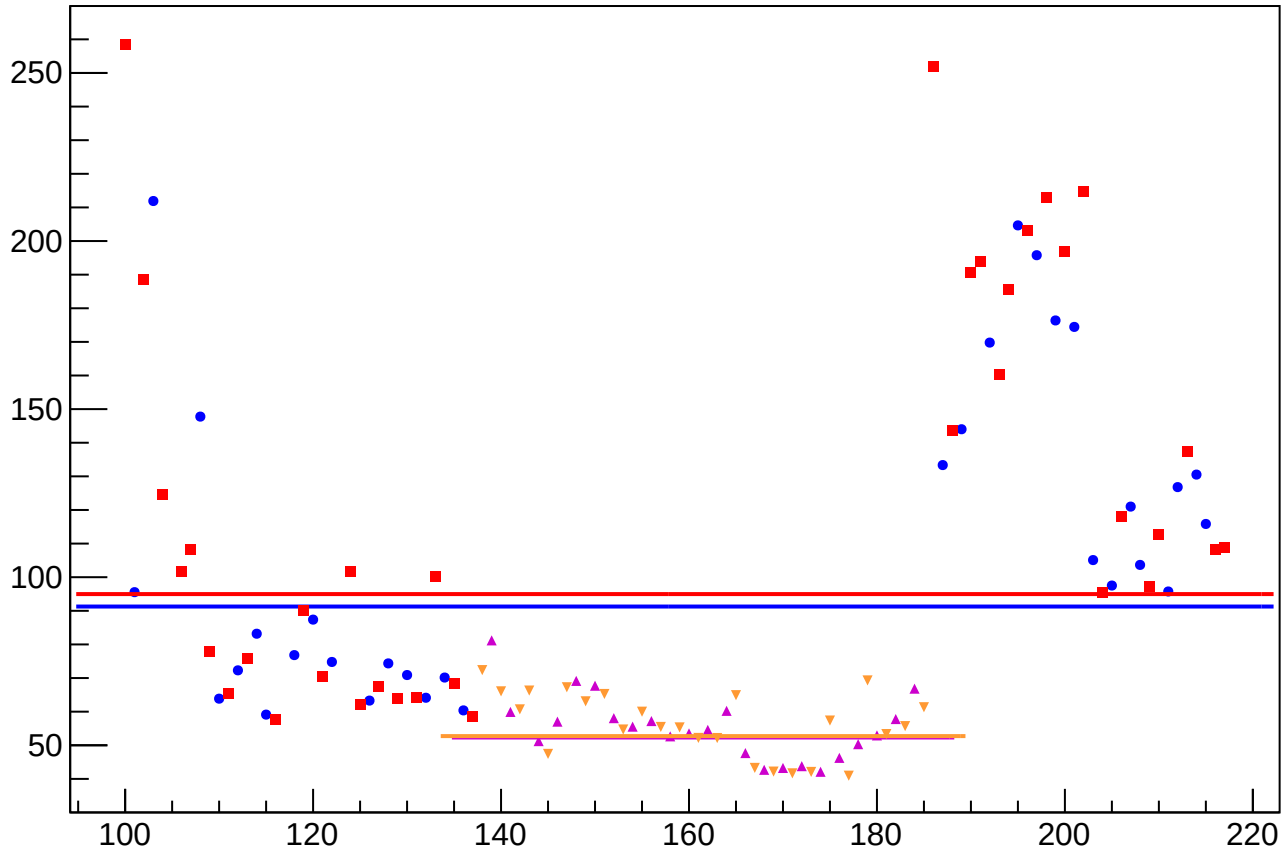
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 31.963+/-16.116 χ^2/NDF: 68.6/66

In: -5.553+/-10.969 χ^2/NDF:74.5/53

Out: -3.150+/-10.849 χ^2/NDF:78.1/60

All: -4.338+/-7.714 χ^2/NDF: 152.6/114



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: 94.978+/-0.016 χ^2/NDF: 5825454.3/35

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

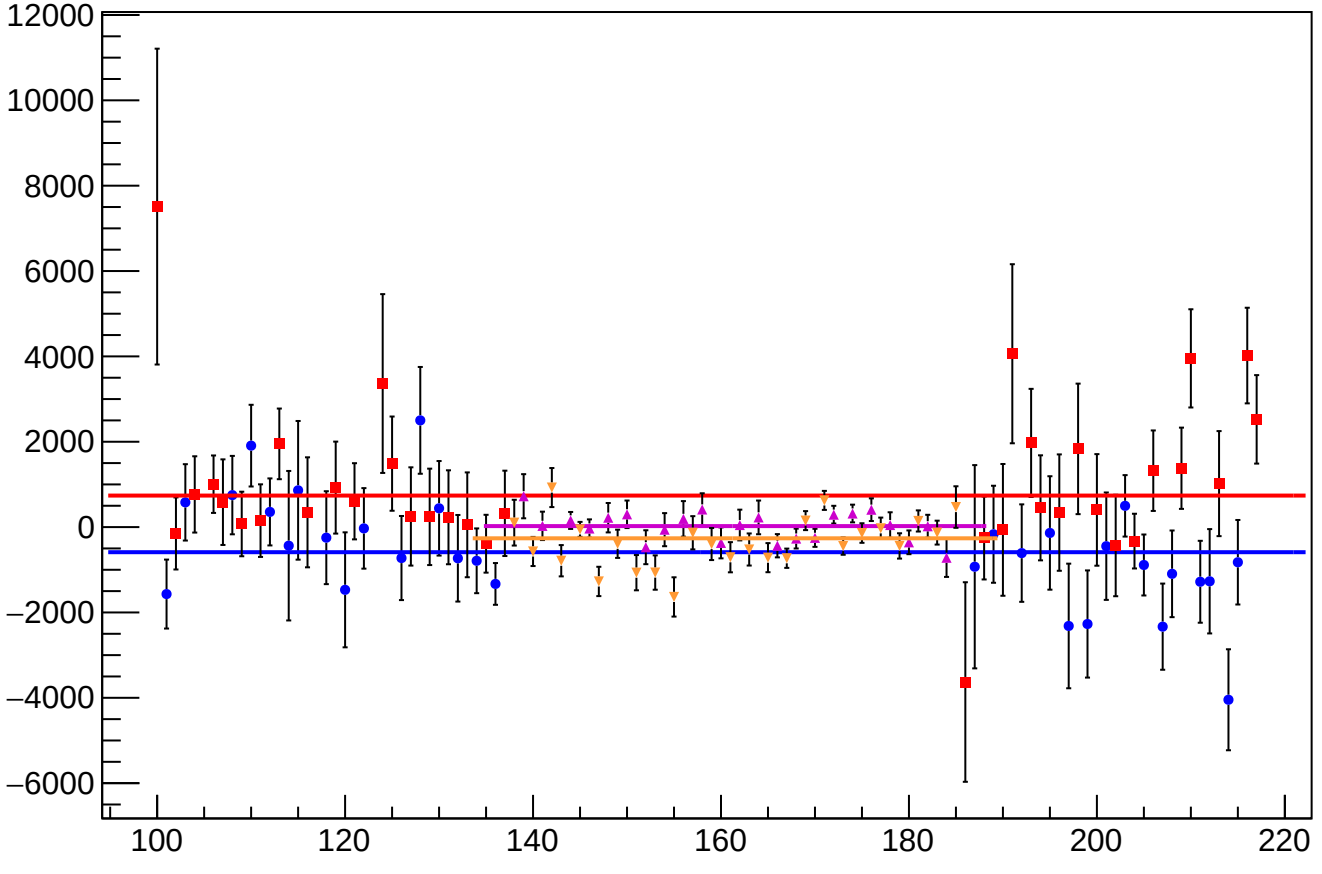
Right: 93.095+/-0.011 χ^2/NDF: 10568312.3/66

In: 61.491+/-0.008 χ^2/NDF:10151680.0/53

Out: 62.141+/-0.008 χ^2/NDF:12242942.9/60

All: 61.820+/-0.005 χ^2/NDF: 22398169.3/114

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 738.685+/-172.192 χ^2/NDF: 47.0/35

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

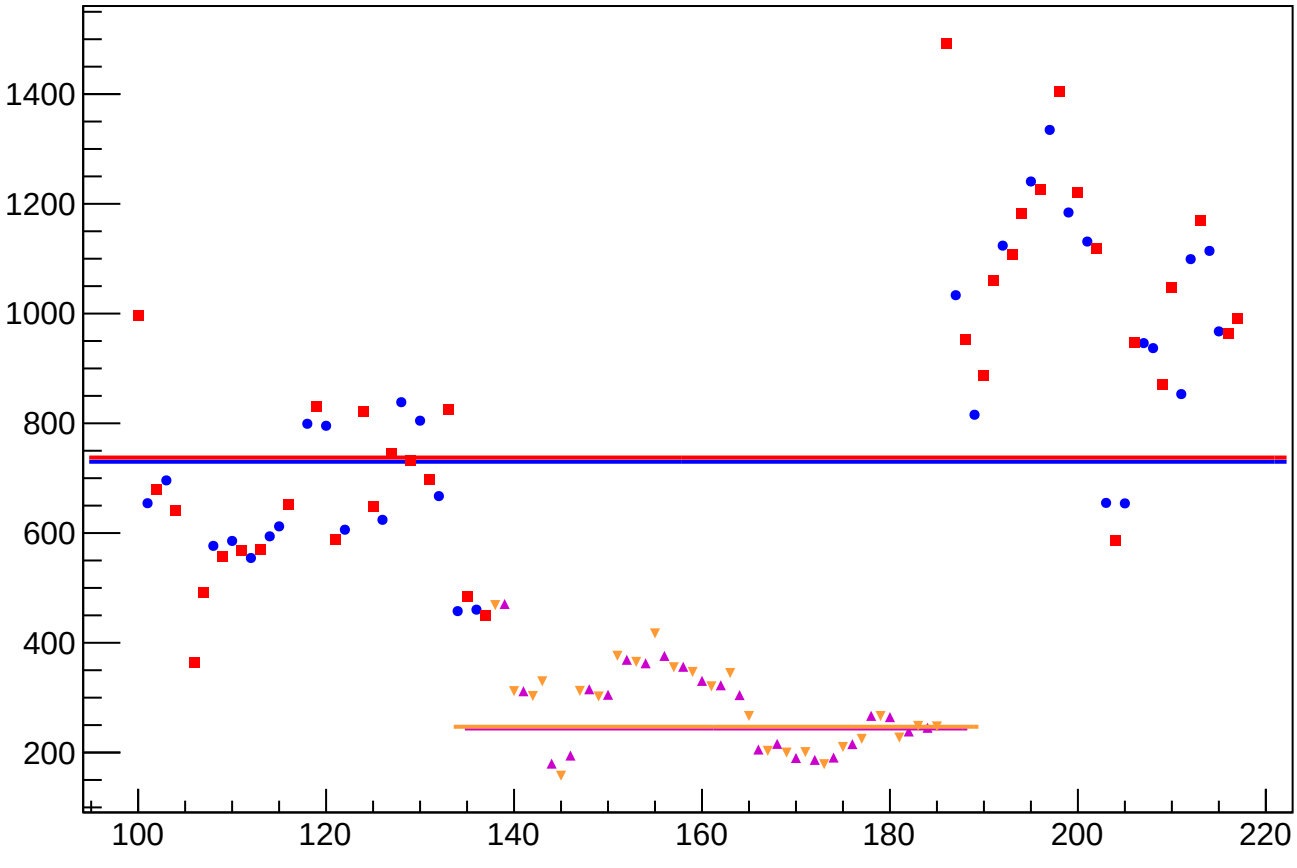
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 86.352+/-122.770 χ^2/NDF: 119.4/66

In: -39.649+/-56.248 χ^2/NDF:78.3/53

Out: -158.971+/-55.391 χ^2/NDF:149.5/60

All: -100.226+/-39.467 χ^2/NDF: 230.1/114



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: 737.647+/-0.122 χ^2/NDF: 4375801.6/35

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

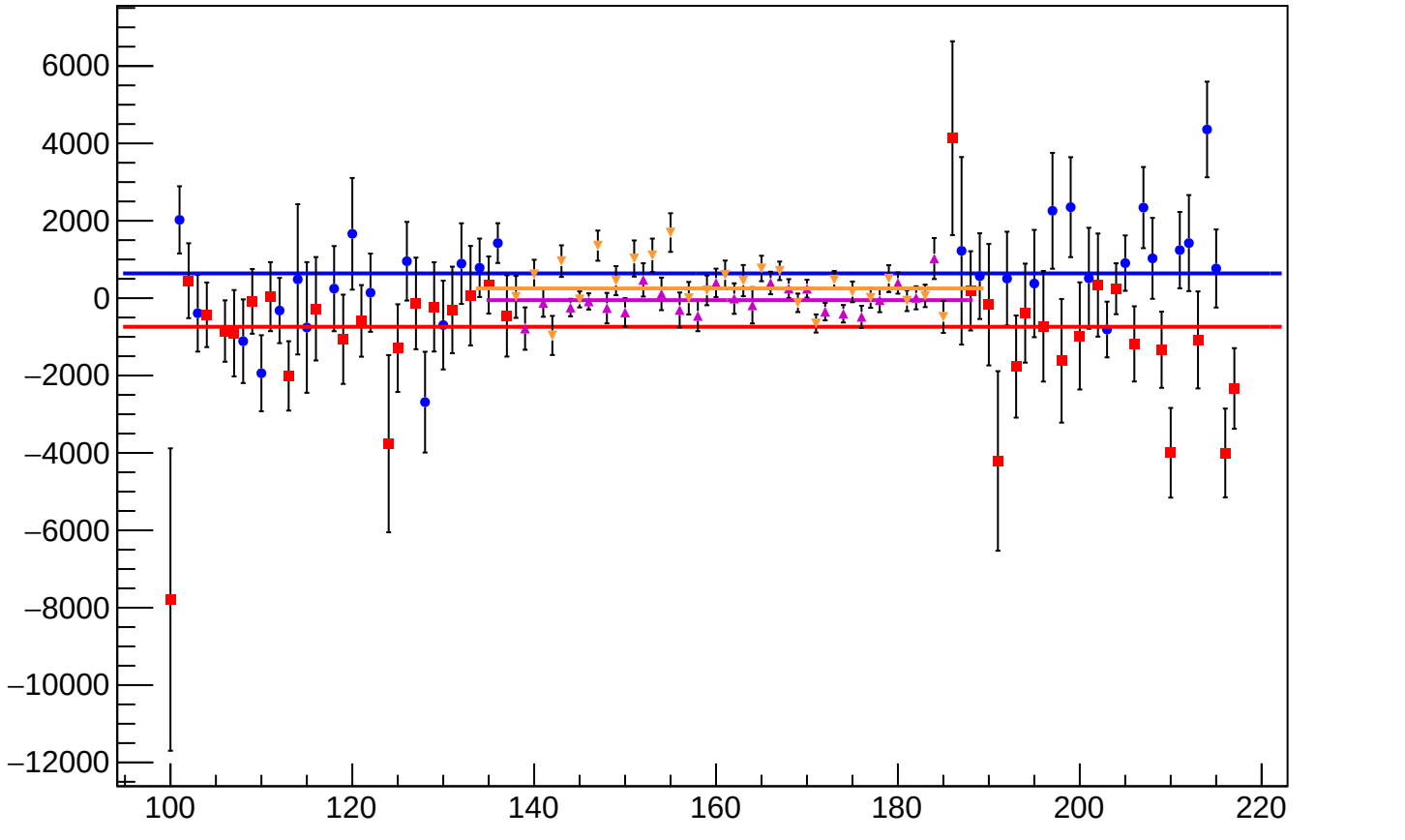
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 733.866+/-0.087 χ^2/NDF: 7734967.4/66

In: 293.996+/-0.040 χ^2/NDF:19674302.1/53

Out: 297.768+/-0.039 χ^2/NDF:21859706.5/60

All: 295.911+/-0.028 χ^2/NDF: 41538574.7/1



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: -739.999+/-181.763 χ^2/NDF: 43.6/35

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

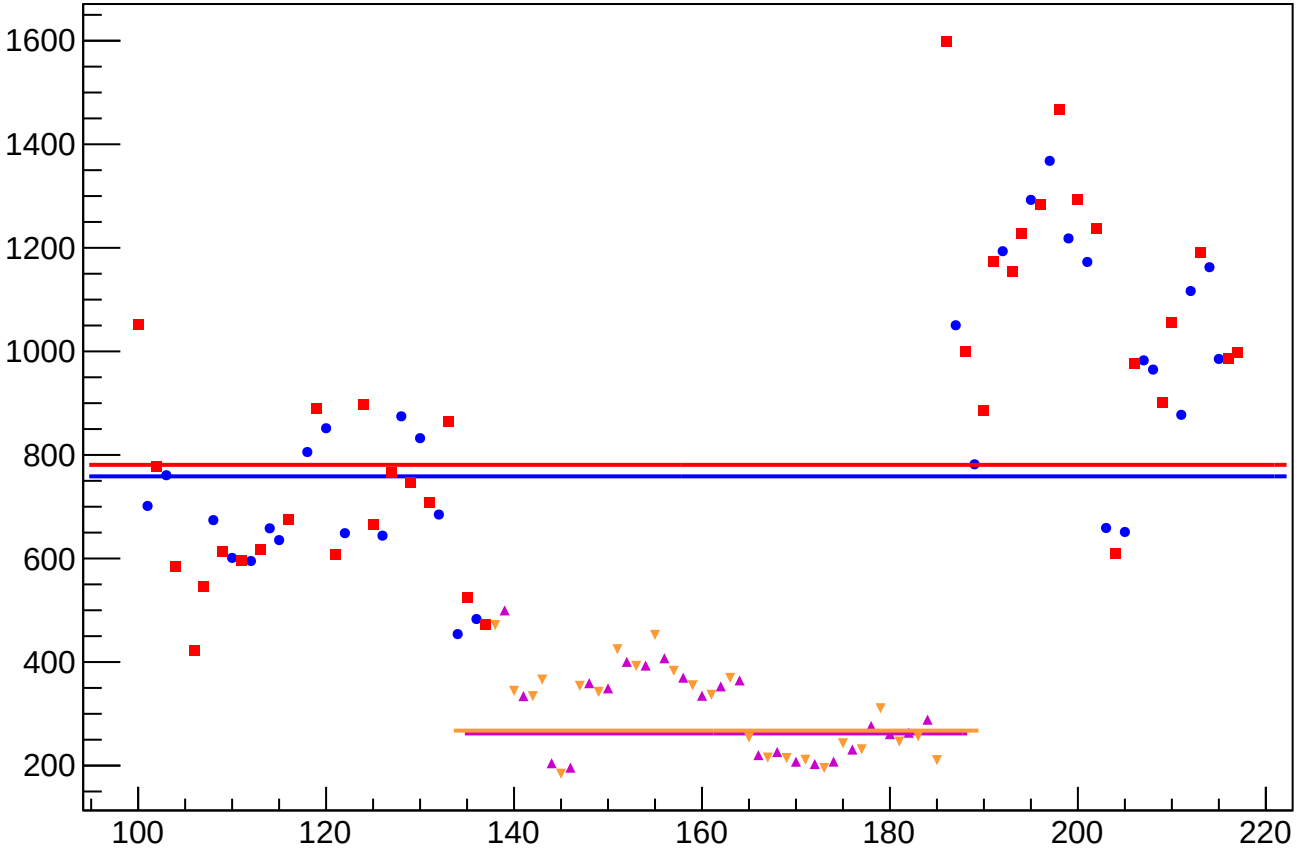
Right: -51.428+/-128.642 χ^2/NDF: 118.6/66

In: 23.974+/-60.247 χ^2/NDF:85.9/53

Out: 143.534+/-59.883 χ^2/NDF:137.6/60

All: 84.117+/-42.472 χ^2/NDF: 225.5/114

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: 780.885+/-0.129 χ^2/NDF: 4029230.8/35

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

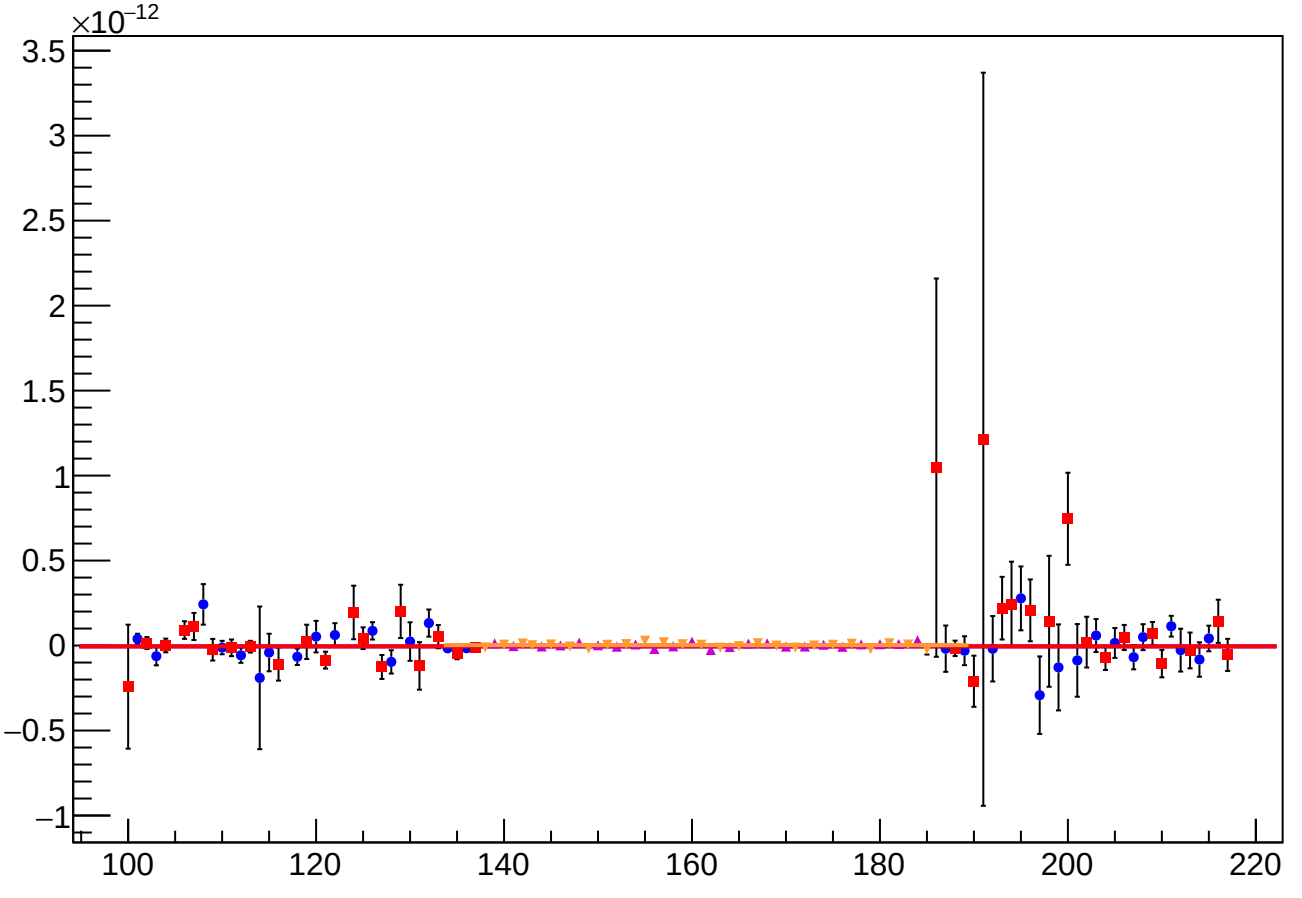
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 769.789+/-0.091 χ^2/NDF: 7335623.1/66

In: 316.451+/-0.043 χ^2/NDF:19073585.7/53

Out: 323.302+/-0.042 χ^2/NDF:21049255.3/60

All: 319.897+/-0.030 χ^2/NDF: 40135852.8/11



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: 40.8/35

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

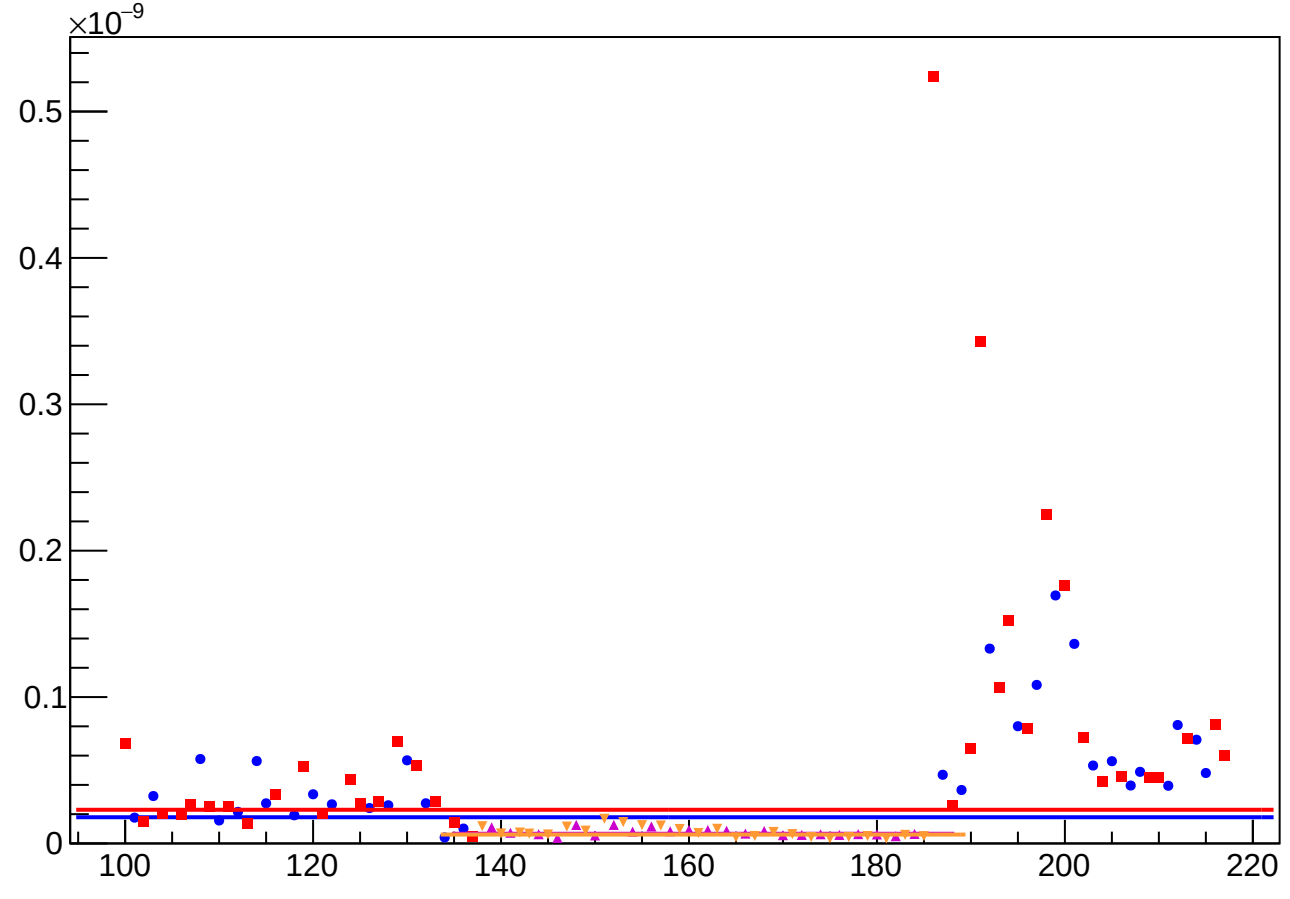
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 72.7/66

In: 0.000+/-0.000 χ^2/NDF:44.6/53

Out: 0.000+/-0.000 χ^2/NDF:56.5/60

All: 0.000+/-0.000 χ^2/NDF: 101.3/114



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: 7169897.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

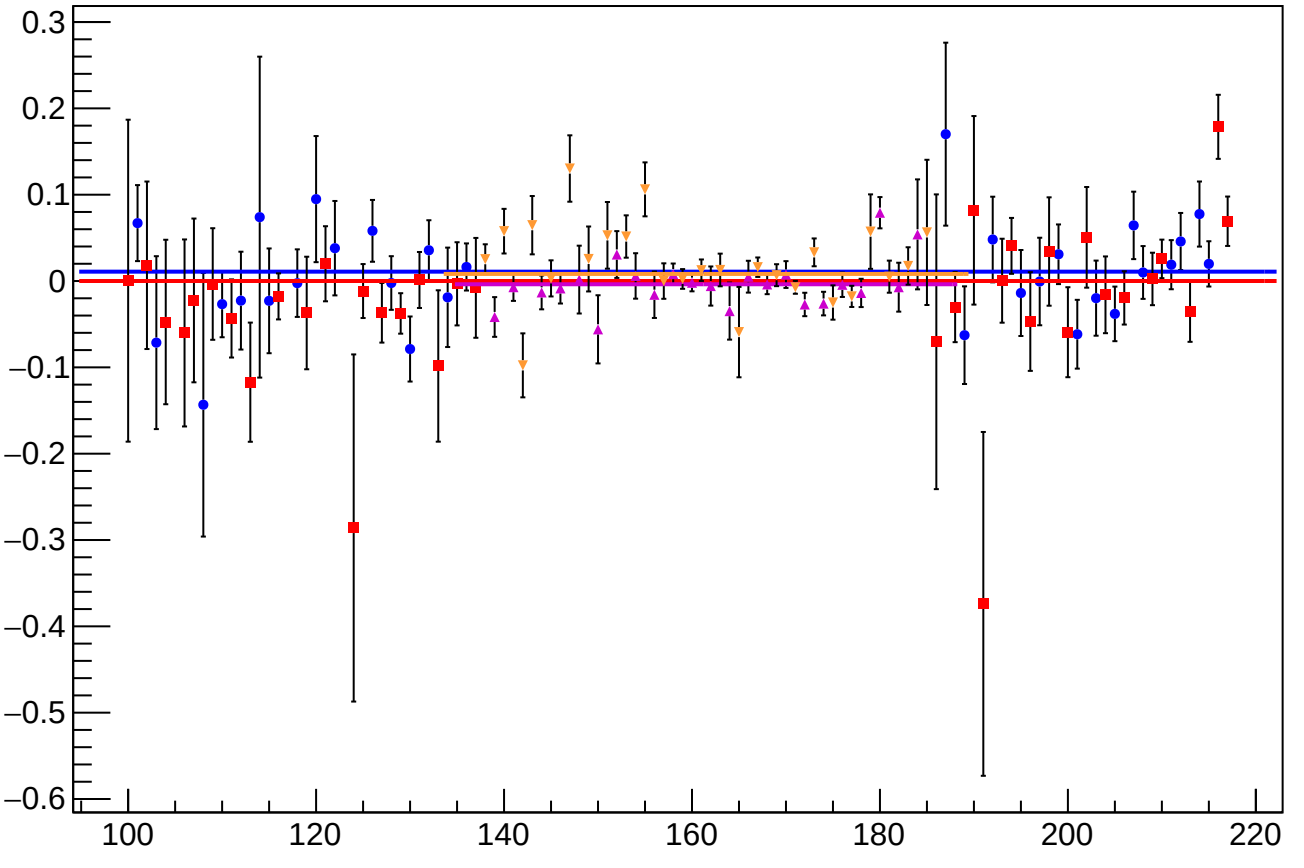
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 15587181.9/66

In: 0.000+/-0.000 χ^2/NDF:12313635.3/53

Out: 0.000+/-0.000 χ^2/NDF:14587974.2/60

All: 0.000+/-0.000 χ^2/NDF: 26963855.4/114



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: 0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

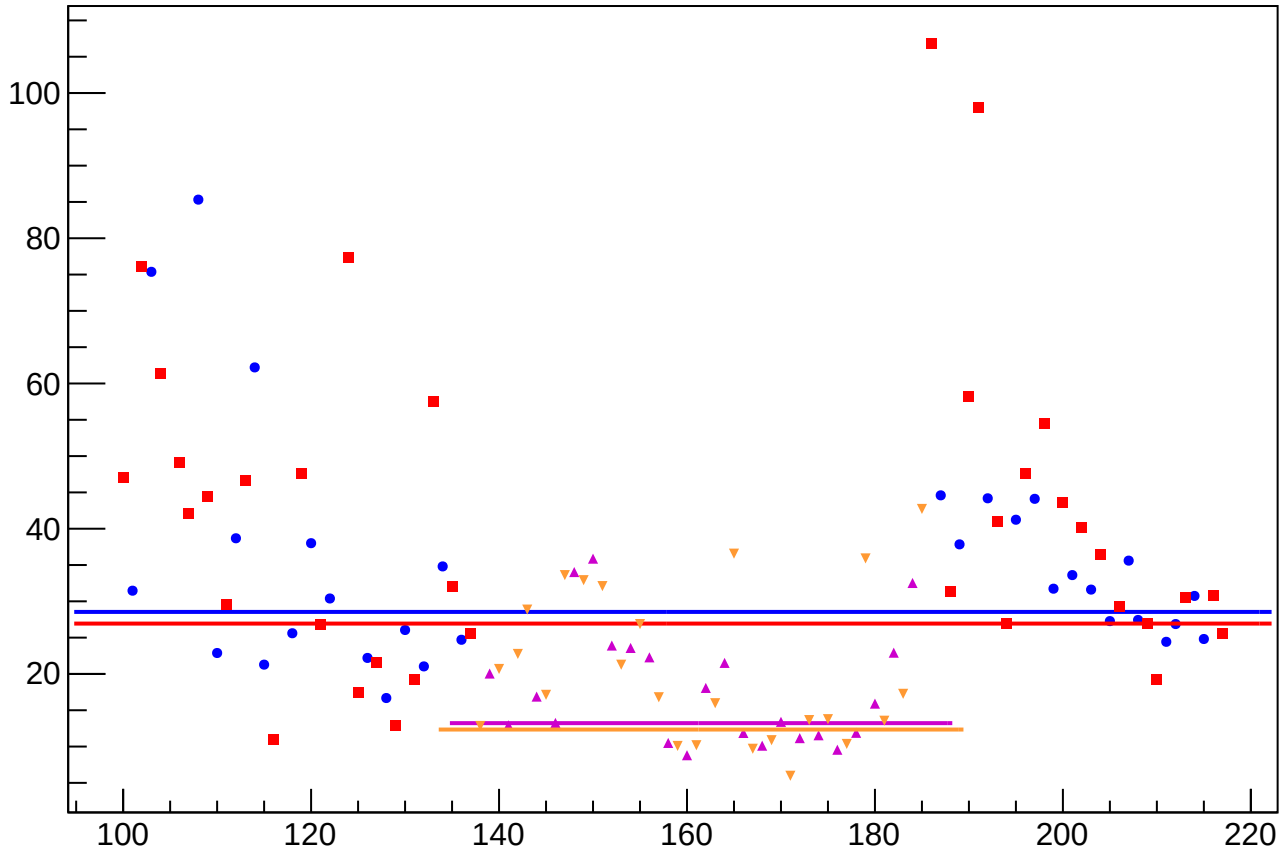
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.005+/-0.005 χ^2/NDF: 87.8/66

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.007+/-0.003 χ^2/NDF:113.8/60

All: 0.003+/-0.002 χ^2/NDF: 189.8/114



Right In: 28.542+/-0.005 χ^2/NDF: 2333384.0/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.935+/-0.005 χ^2/NDF: 6014144.6/35

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

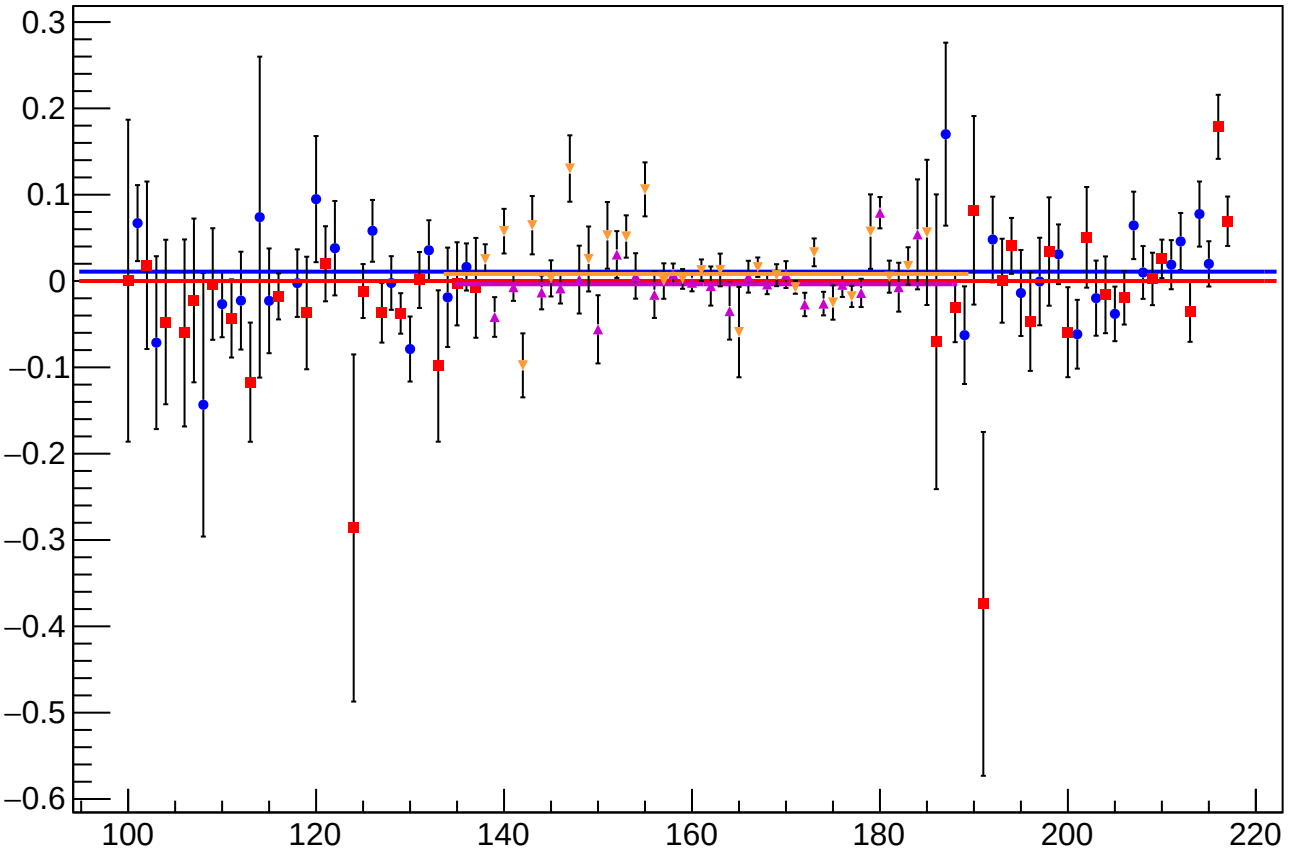
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.716+/-0.004 χ^2/NDF: 8397300.0/66

In: 16.264+/-0.002 χ^2/NDF:13255353.0/53

Out: 15.133+/-0.002 χ^2/NDF:19583034.6/60

All: 15.672+/-0.002 χ^2/NDF: 32964852.6/114



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: 0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

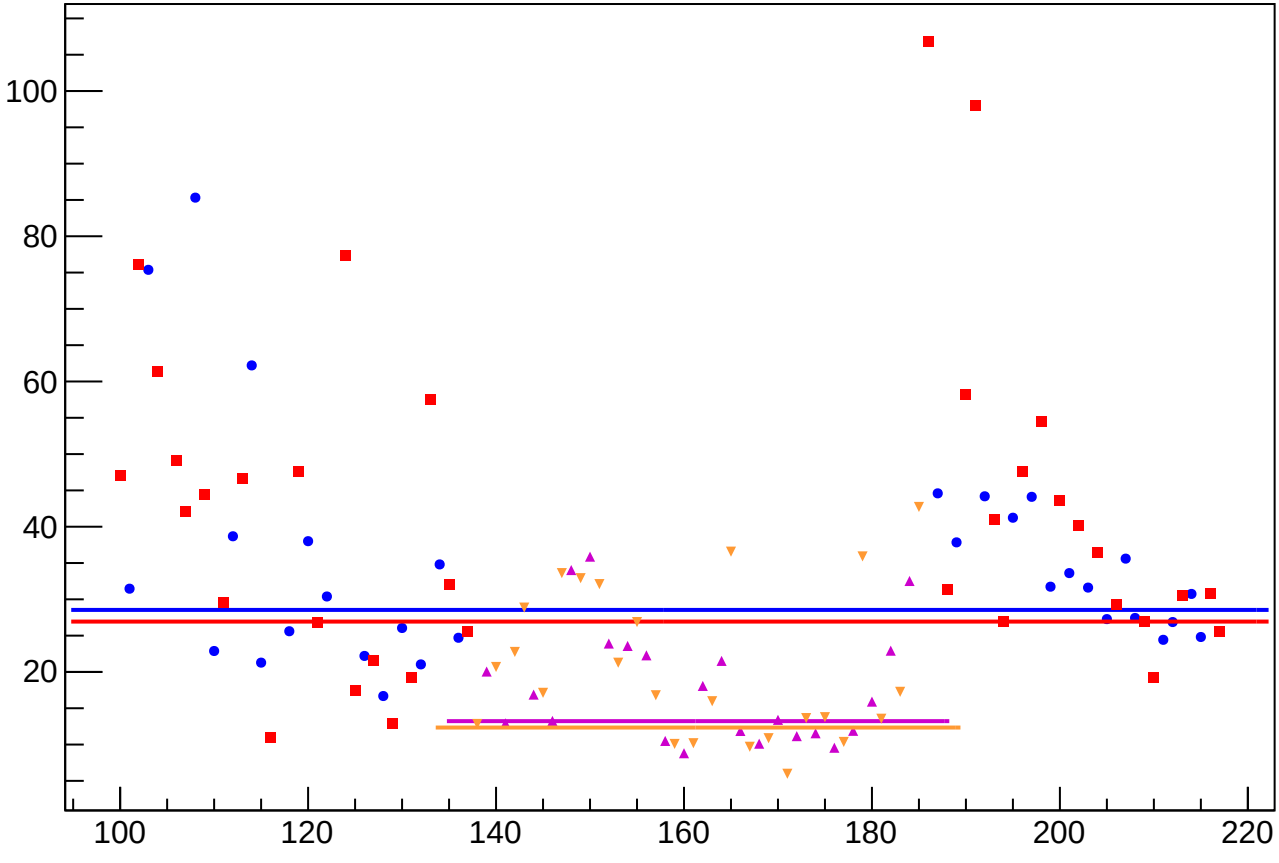
Right: 0.005+/-0.005 χ^2/NDF: 87.8/66

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.007+/-0.003 χ^2/NDF:113.8/60

All: 0.003+/-0.002 χ^2/NDF: 189.8/114

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: 26.935+/-0.005 χ^2/NDF: 6014144.6/35

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

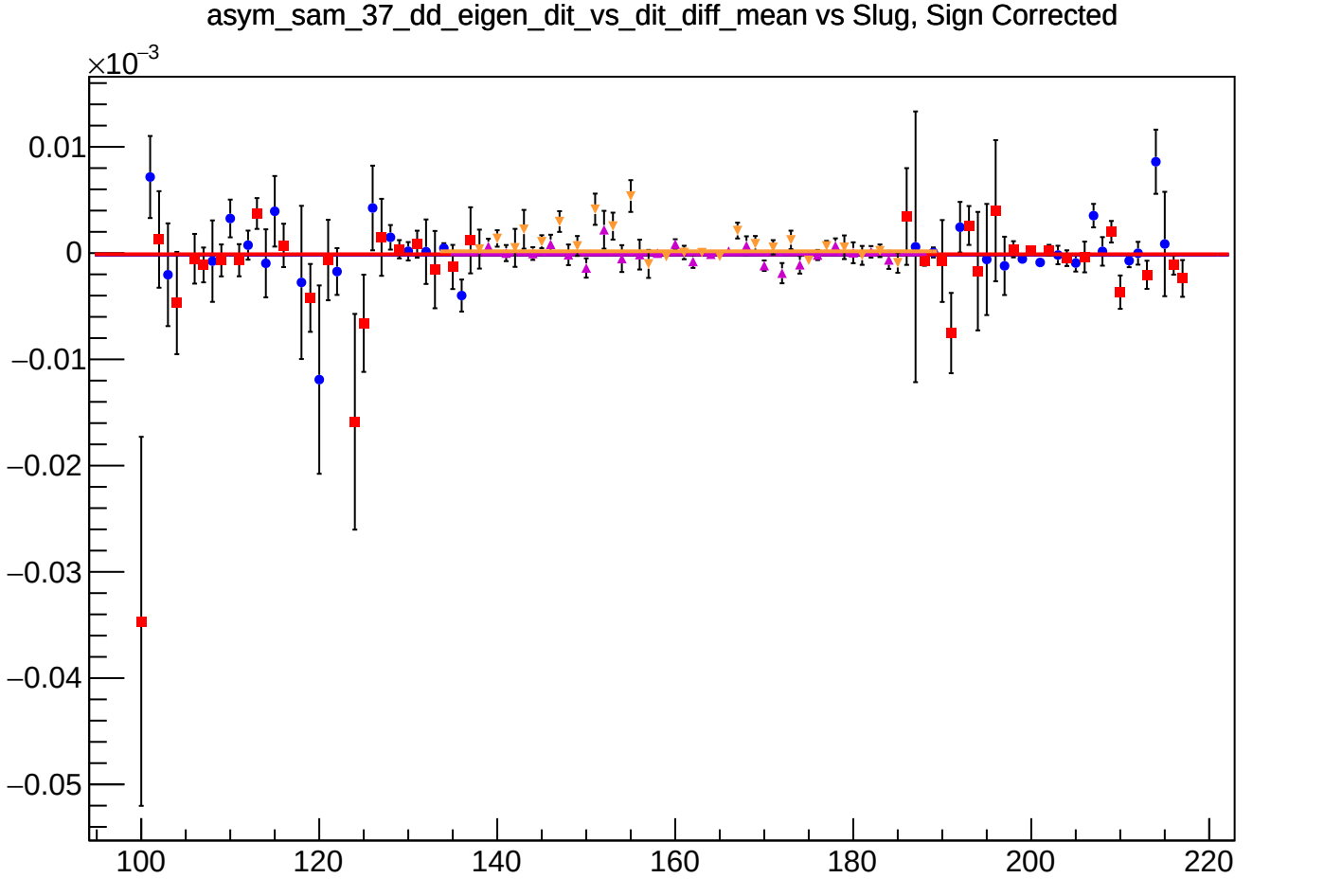
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.716+/-0.004 χ^2/NDF: 8397300.0/66

In: 16.264+/-0.002 χ^2/NDF:13255353.0/53

Out: 15.133+/-0.002 χ^2/NDF:19583034.6/60

All: 15.672+/-0.002 χ^2/NDF: 32964852.6/114



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: 46.1/35

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

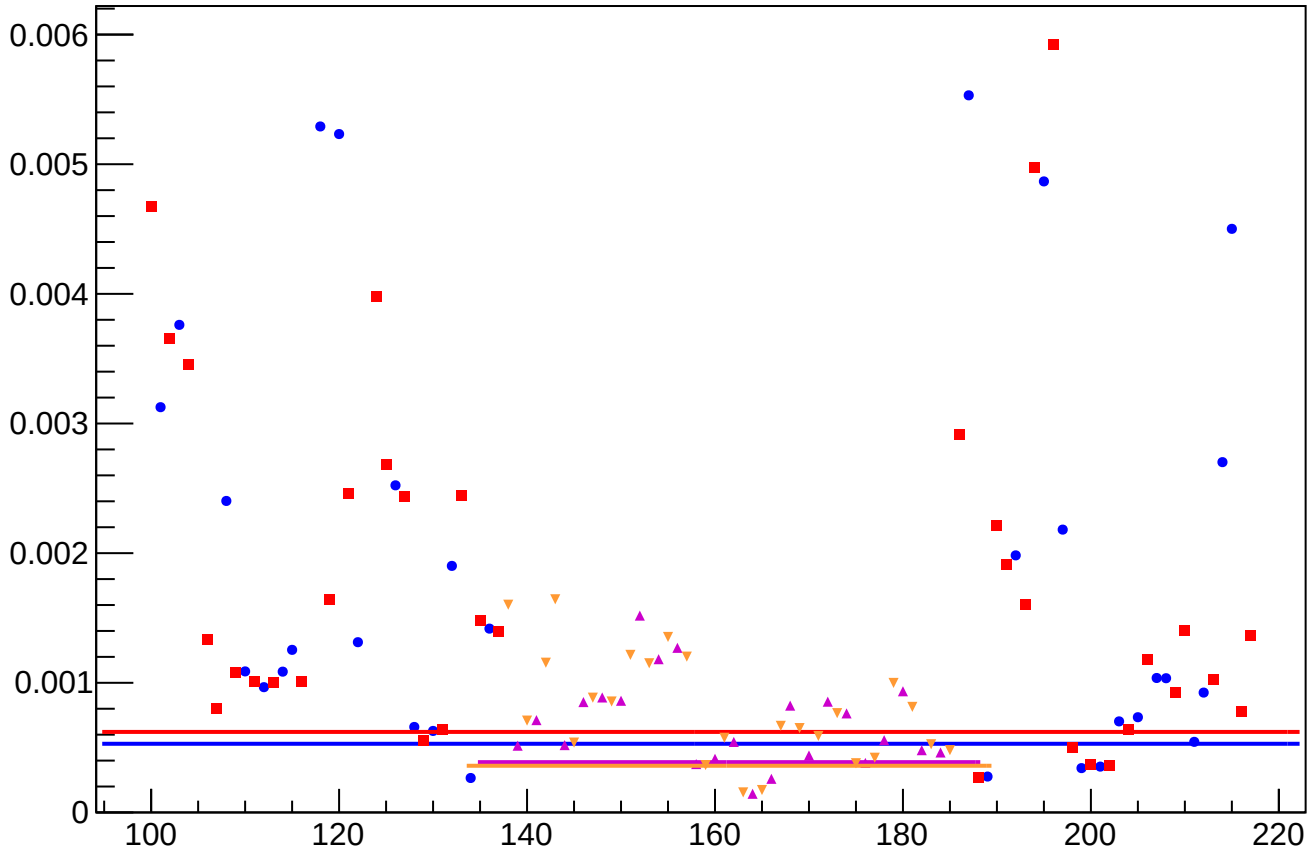
Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

Right: -0.000+/-0.000 χ^2/NDF: 97.2/66

In: -0.000+/-0.000 χ^2/NDF:75.5/53

Out: 0.000+/-0.000 χ^2/NDF:109.3/60

All: -0.000+/-0.000 χ^2/NDF: 187.6/114



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: 13477698.1/35

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

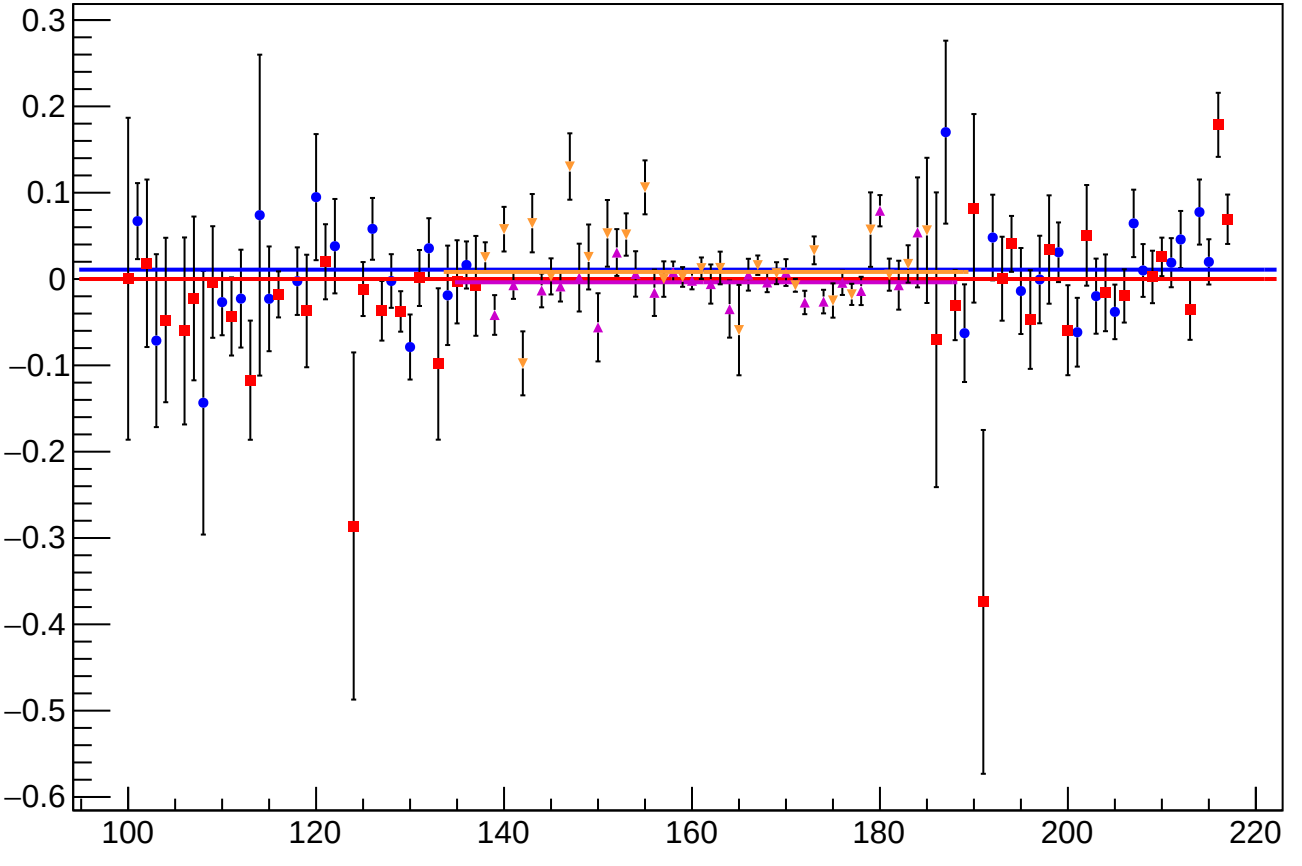
Right: 0.001+/-0.000 χ^2/NDF: 28726294.0/66

In: 0.000+/-0.000 χ^2/NDF:26430301.9/53

Out: 0.000+/-0.000 χ^2/NDF:30407971.9/60

All: 0.000+/-0.000 χ^2/NDF: 56850897.2/114

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.007 χ^2/NDF: 32.8/30

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

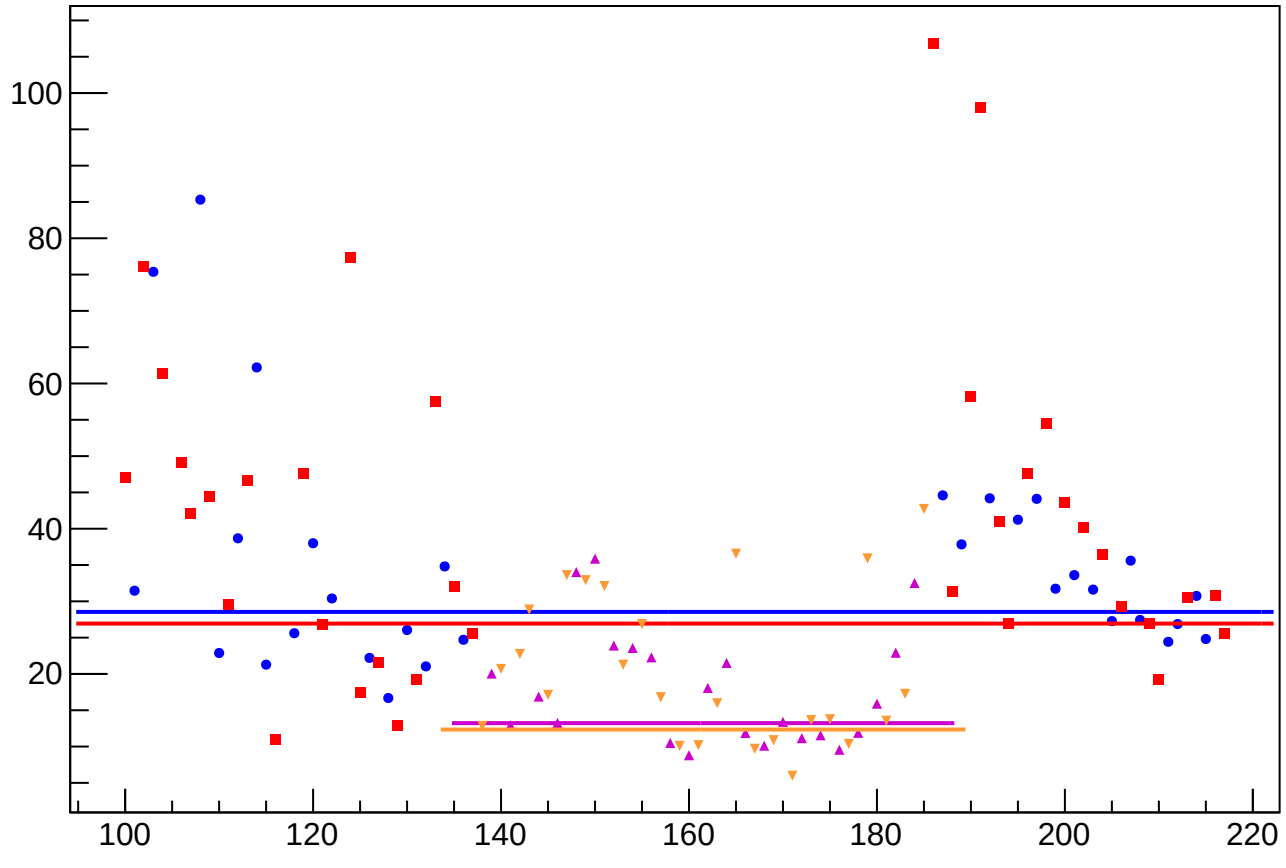
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.005+/-0.005 χ^2/NDF: 87.8/66

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.007+/-0.003 χ^2/NDF:113.8/60

All: 0.003+/-0.002 χ^2/NDF: 189.8/114



Right In: 28.543+/-0.005 χ^2/NDF: 2333284.3/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.936+/-0.005 χ^2/NDF: 6013846.1/35

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

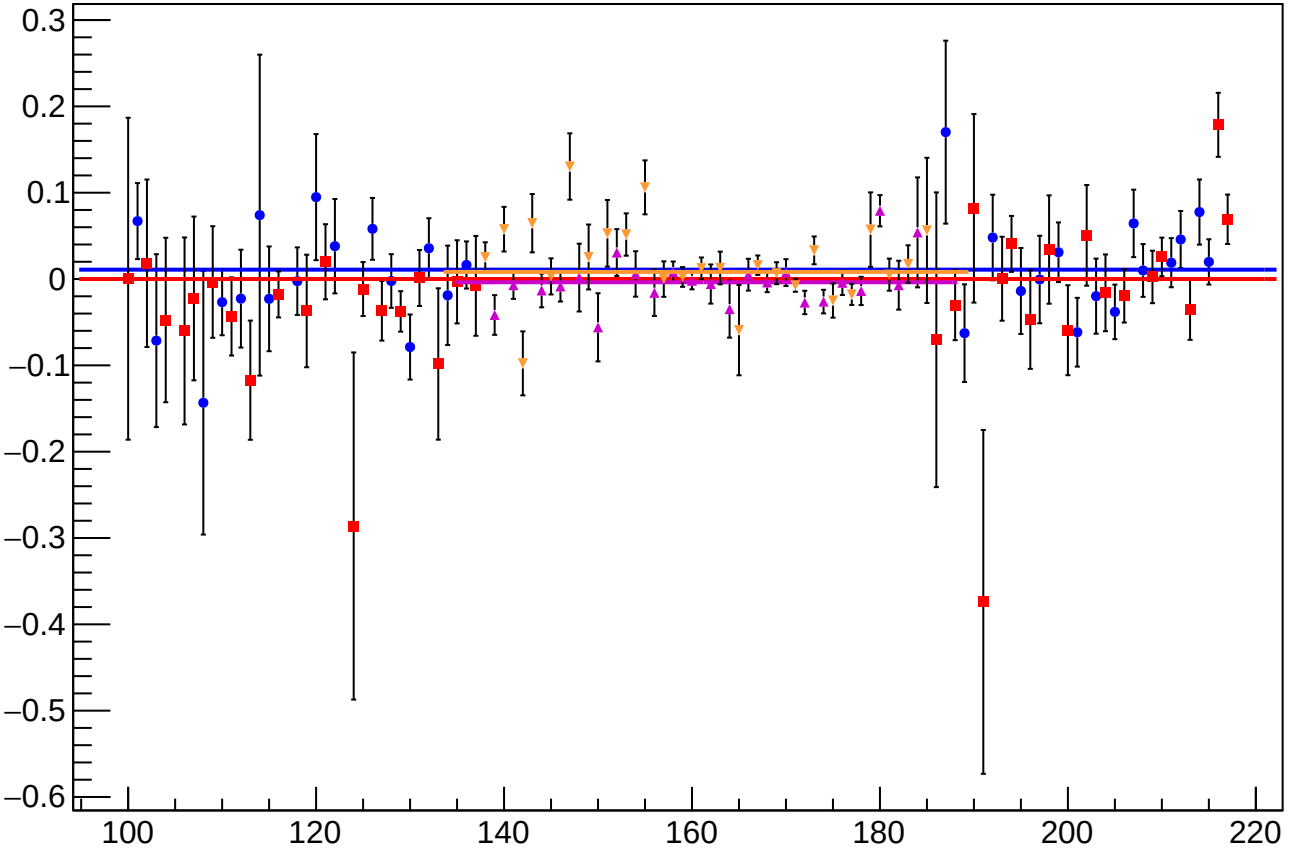
Right: 27.717+/-0.004 χ^2/NDF: 8396899.6/66

In: 16.264+/-0.002 χ^2/NDF:13255646.6/53

Out: 15.133+/-0.002 χ^2/NDF:19583201.3/60

All: 15.673+/-0.002 χ^2/NDF: 32965298.6/114

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: 0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

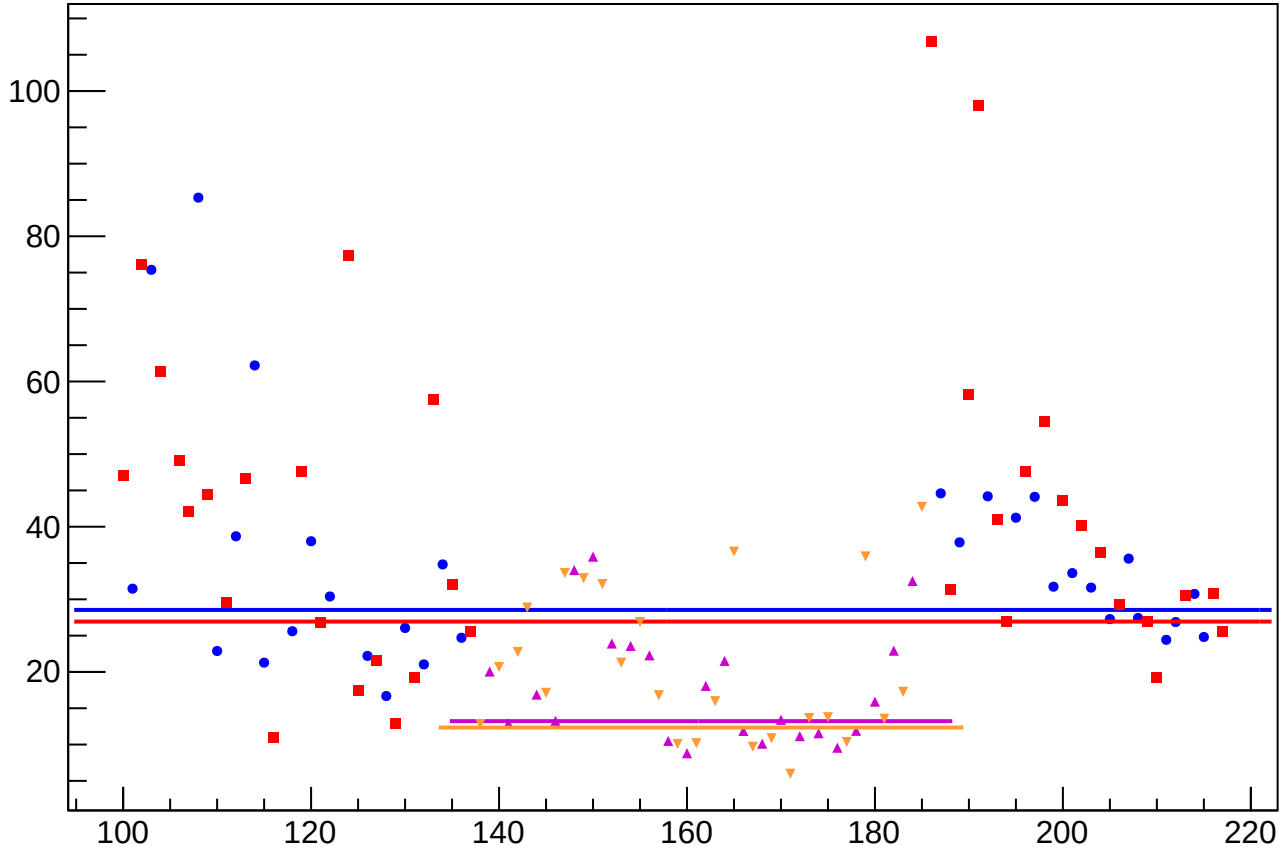
Right: 0.005+/-0.005 χ^2/NDF: 87.8/66

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.007+/-0.003 χ^2/NDF:113.8/60

All: 0.003+/-0.002 χ^2/NDF: 189.8/114

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.543+/-0.005 χ^2/NDF: 2333284.3/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.936+/-0.005 χ^2/NDF: 6013846.1/35

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

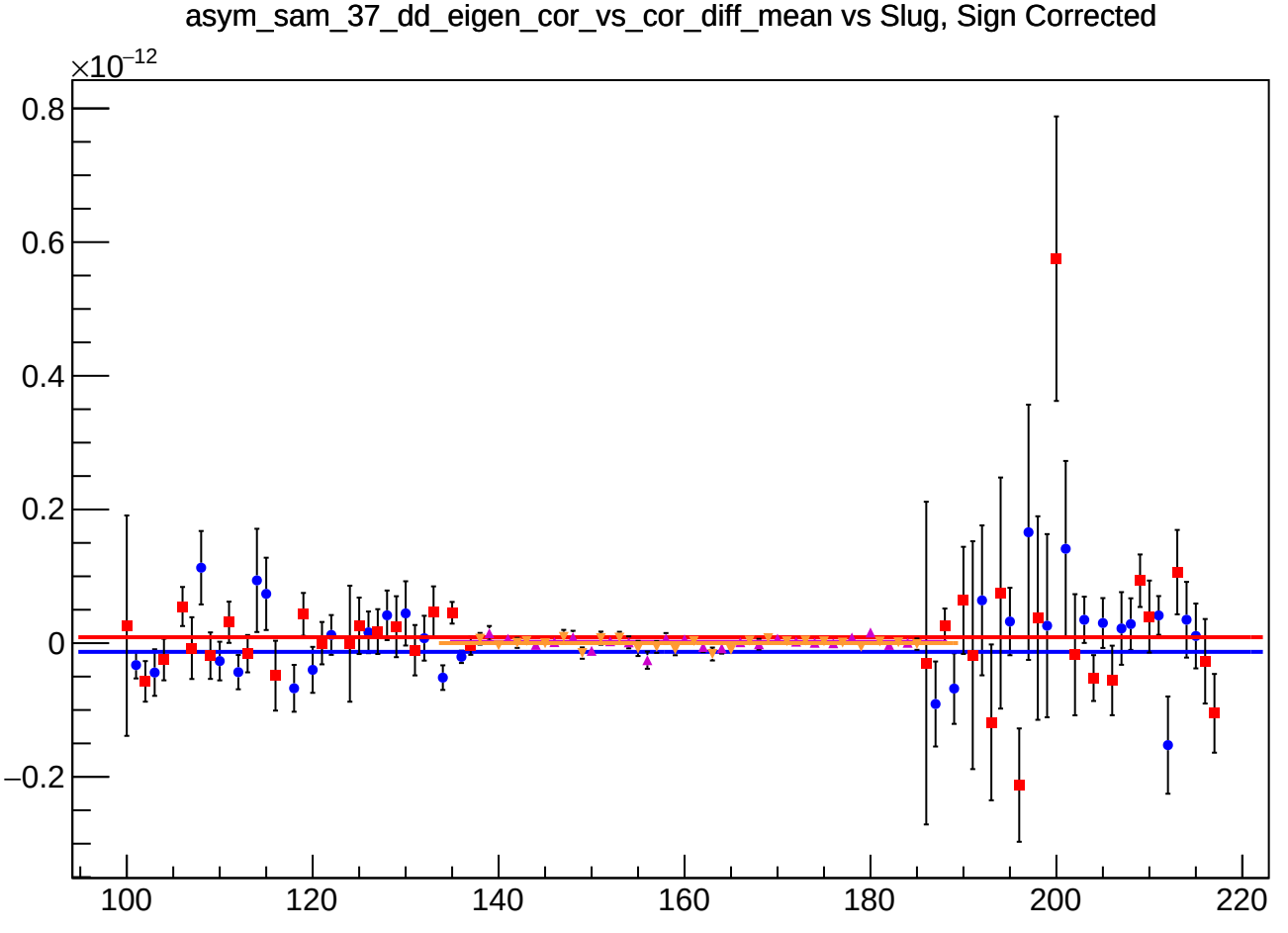
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.717+/-0.004 χ^2/NDF: 8396899.6/66

In: 16.264+/-0.002 χ^2/NDF:13255646.6/53

Out: 15.133+/-0.002 χ^2/NDF:19583201.3/60

All: 15.673+/-0.002 χ^2/NDF: 32965298.6/114



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: 52.8/35

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

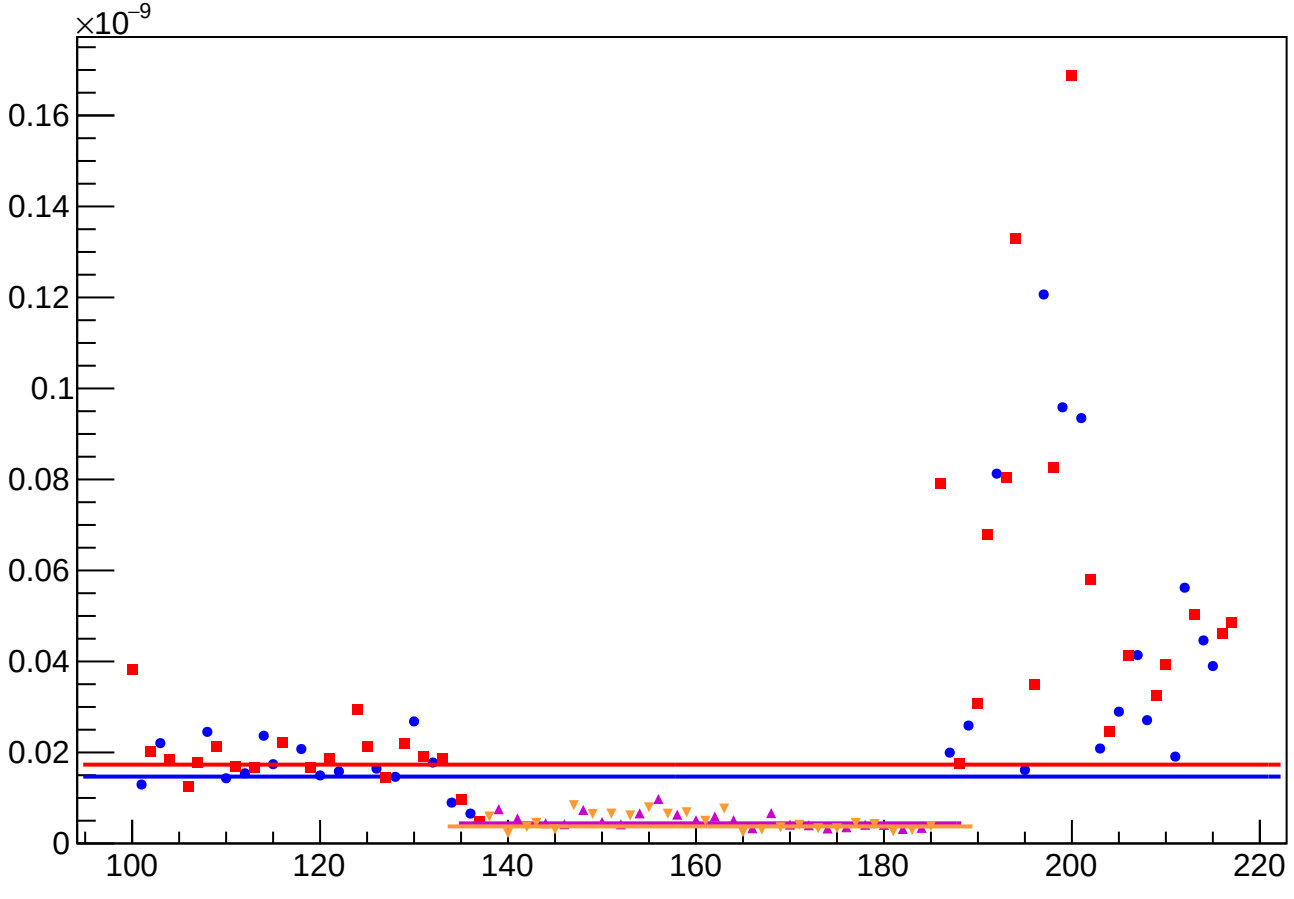
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 105.9/66

In: 0.000+/-0.000 χ^2/NDF:78.4/53

Out: 0.000+/-0.000 χ^2/NDF:76.3/60

All: 0.000+/-0.000 χ^2/NDF: 154.9/114



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: 8716247.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

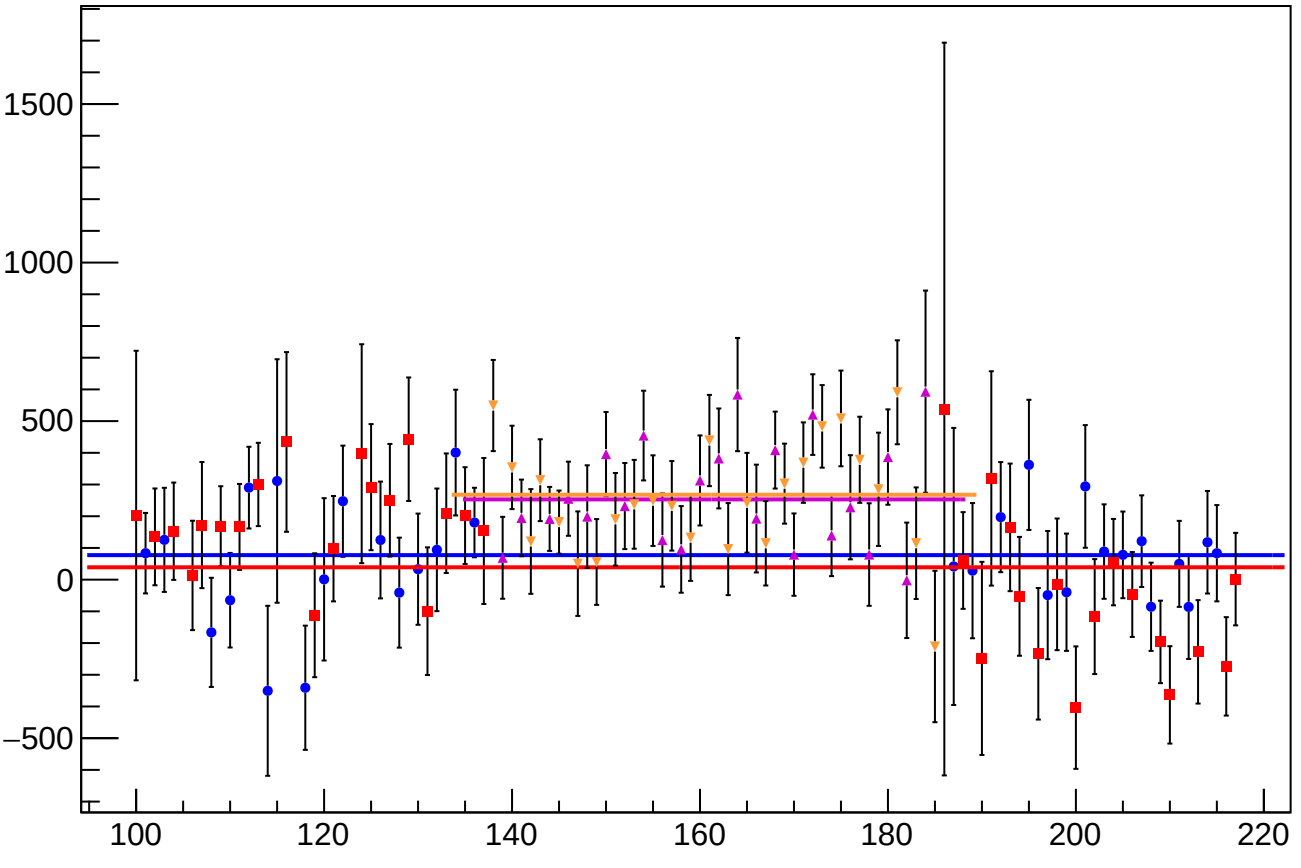
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16741734.6/66

In: 0.000+/-0.000 χ^2/NDF:16221340.2/53

Out: 0.000+/-0.000 χ^2/NDF:21382474.3/60

All: 0.000+/-0.000 χ^2/NDF: 37995430.2/114



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: 38.979+/-29.337 χ^2/NDF: 48.7/35

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

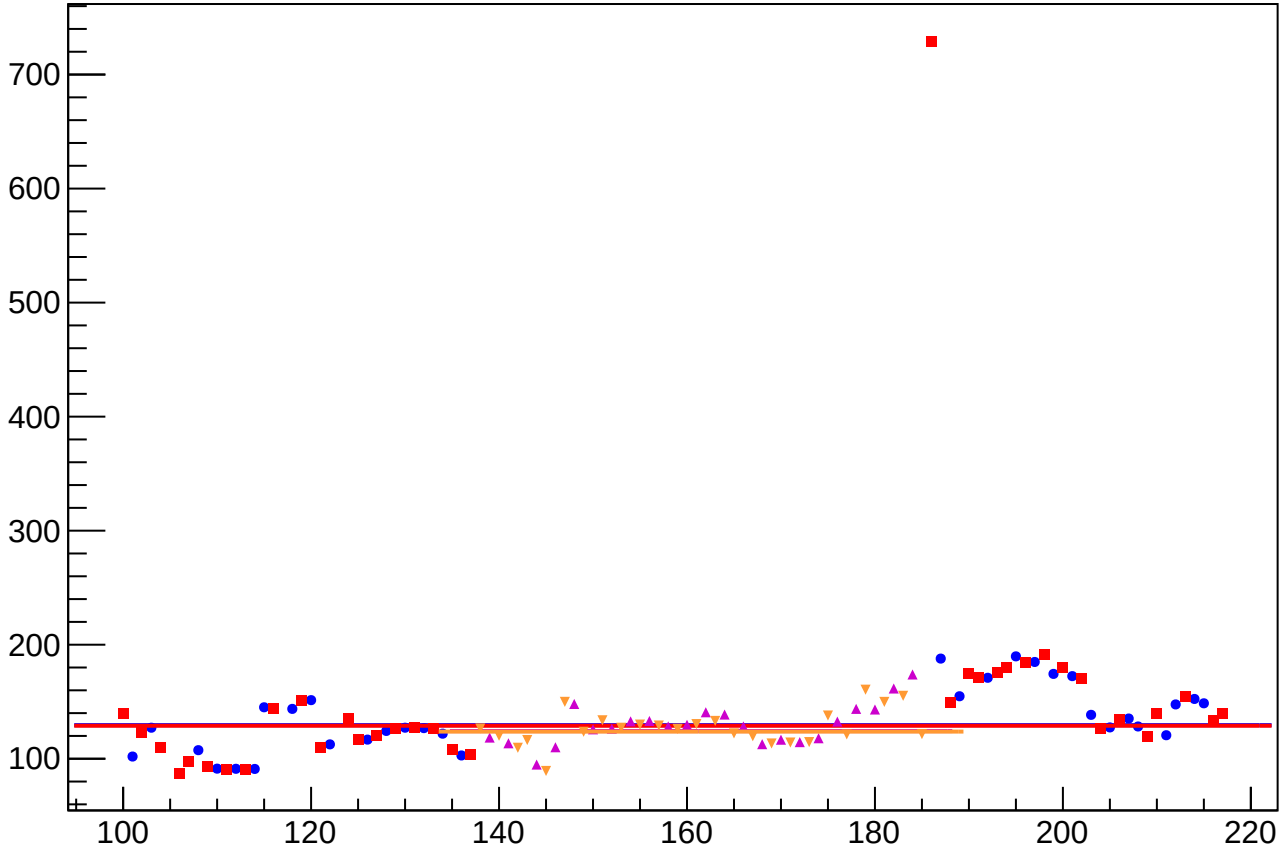
Right: 57.625+/-21.031 χ^2/NDF: 75.0/66

In: 167.705+/-21.022 χ^2/NDF:69.1/53

Out: 157.063+/-20.408 χ^2/NDF:111.1/60

All: 162.226+/-14.643 χ^2/NDF: 180.3/114

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: 128.943+/-0.021 χ^2/NDF: 2398426.4/35

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

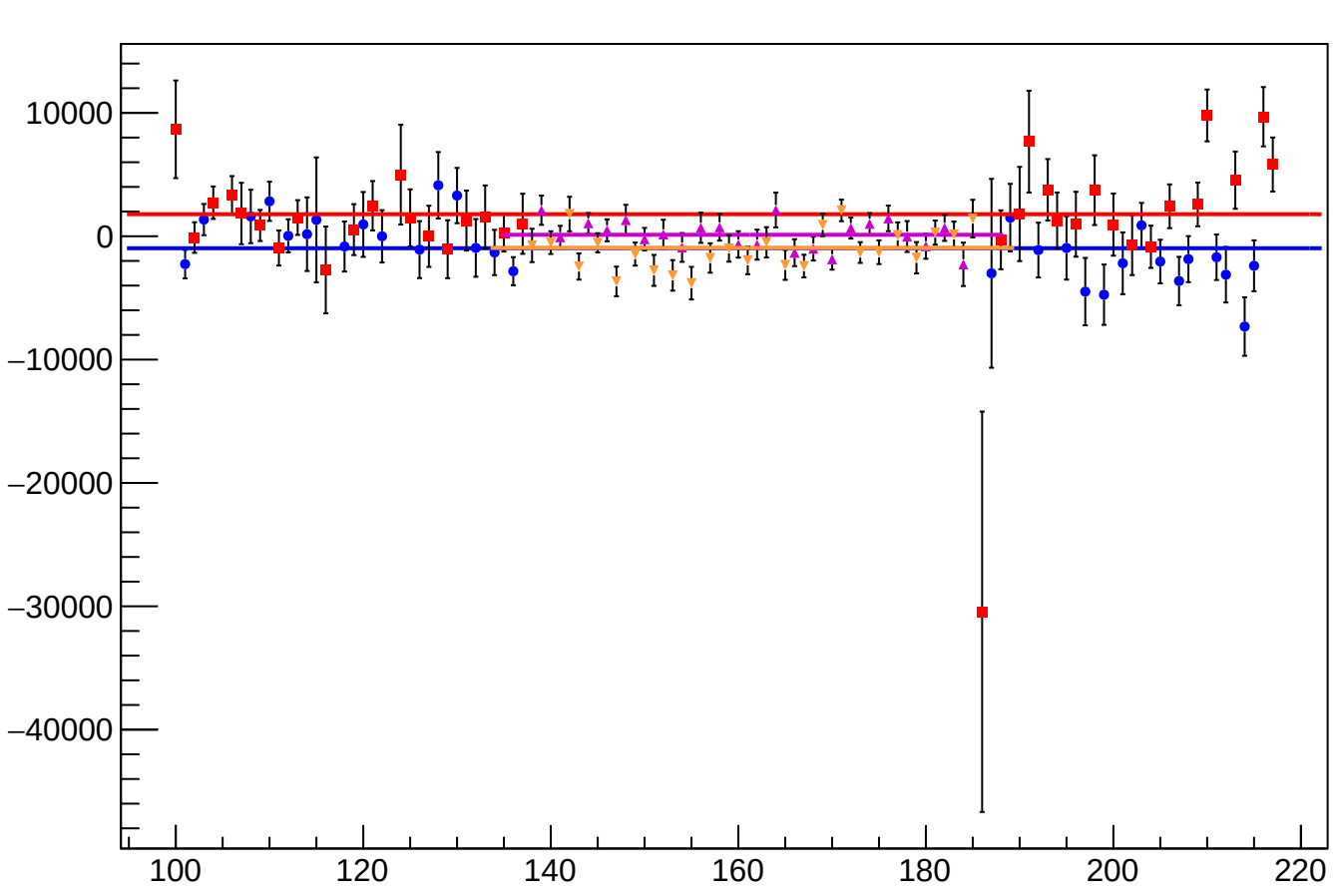
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 129.192+/-0.015 χ^2/NDF: 3887966.8/66

In: 126.783+/-0.015 χ^2/NDF:2076994.0/53

Out: 126.292+/-0.014 χ^2/NDF:3028495.4/60

All: 126.530+/-0.010 χ^2/NDF: 5106050.8/114



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: 1785.282+/-340.684 χ^2/NDF: 59.1/35

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

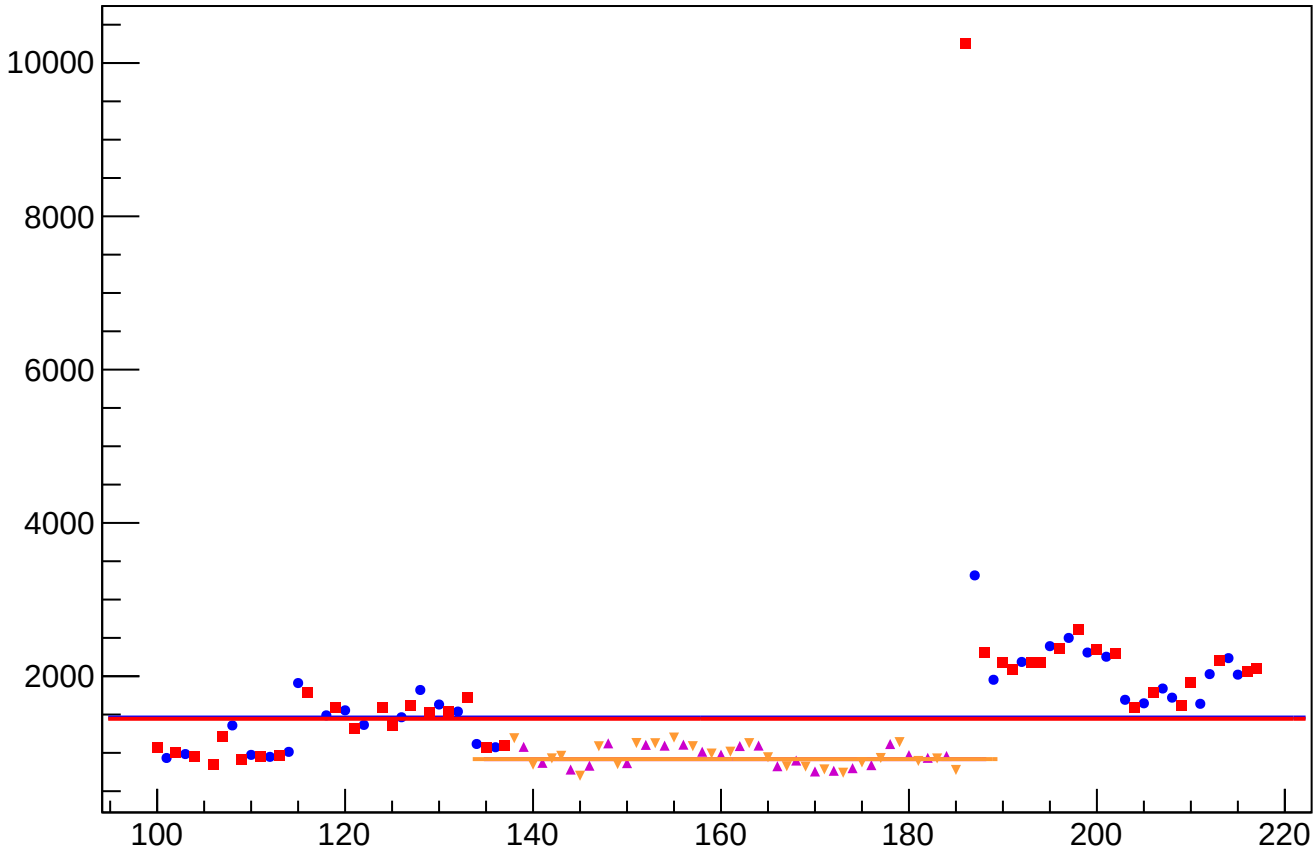
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 447.478+/-244.505 χ^2/NDF: 131.6/66

In: -183.703+/-184.693 χ^2/NDF:72.1/53

Out: -185.904+/-179.869 χ^2/NDF:155.7/60

All: -184.833+/-128.858 χ^2/NDF: 227.8/114



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: 1444.777+/-0.241 χ^2/NDF: 5125750.3/35

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

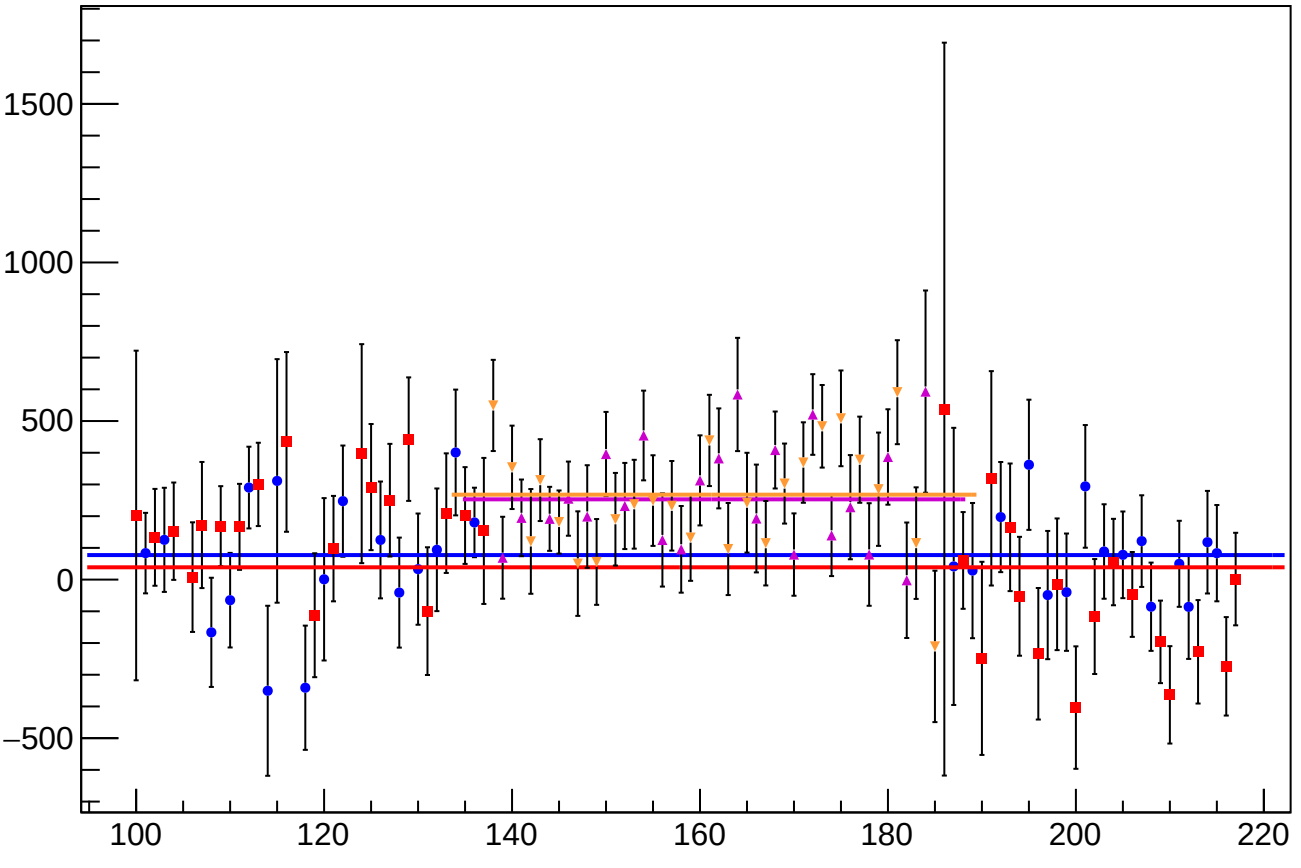
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1452.593+/-0.173 χ^2/NDF: 8795652.9/66

In: 1068.371+/-0.131 χ^2/NDF:7789717.4/53

Out: 1065.199+/-0.127 χ^2/NDF:9455808.4/60

All: 1066.743+/-0.091 χ^2/NDF: 17245828.6/1



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: 38.764+/-29.339 χ^2/NDF: 48.7/35

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

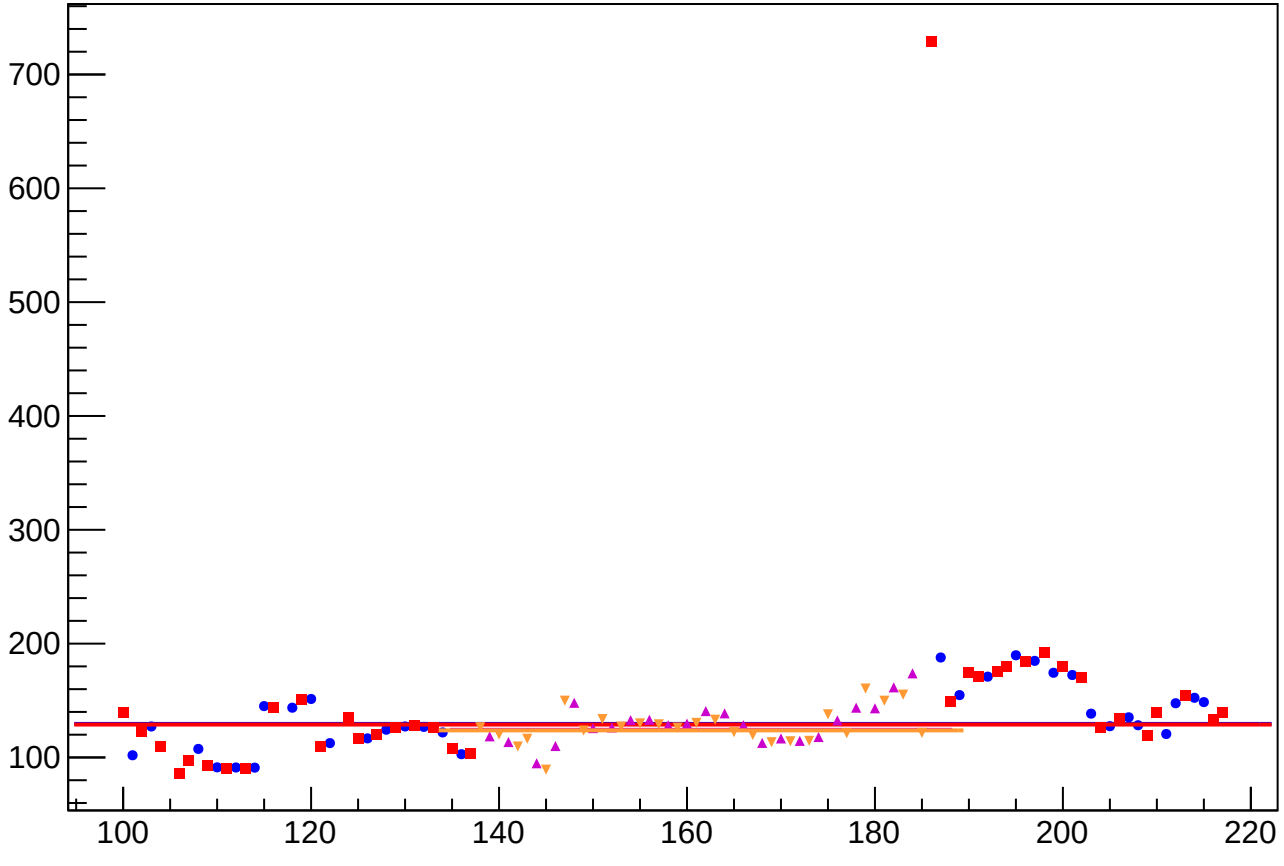
Right: 57.513+/-21.031 χ^2/NDF: 75.0/66

In: 167.704+/-21.022 χ^2/NDF:69.1/53

Out: 156.971+/-20.409 χ^2/NDF:111.2/60

All: 162.179+/-14.643 χ^2/NDF: 180.4/114

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: 128.916+/-0.021 χ^2/NDF: 2404454.1/35

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

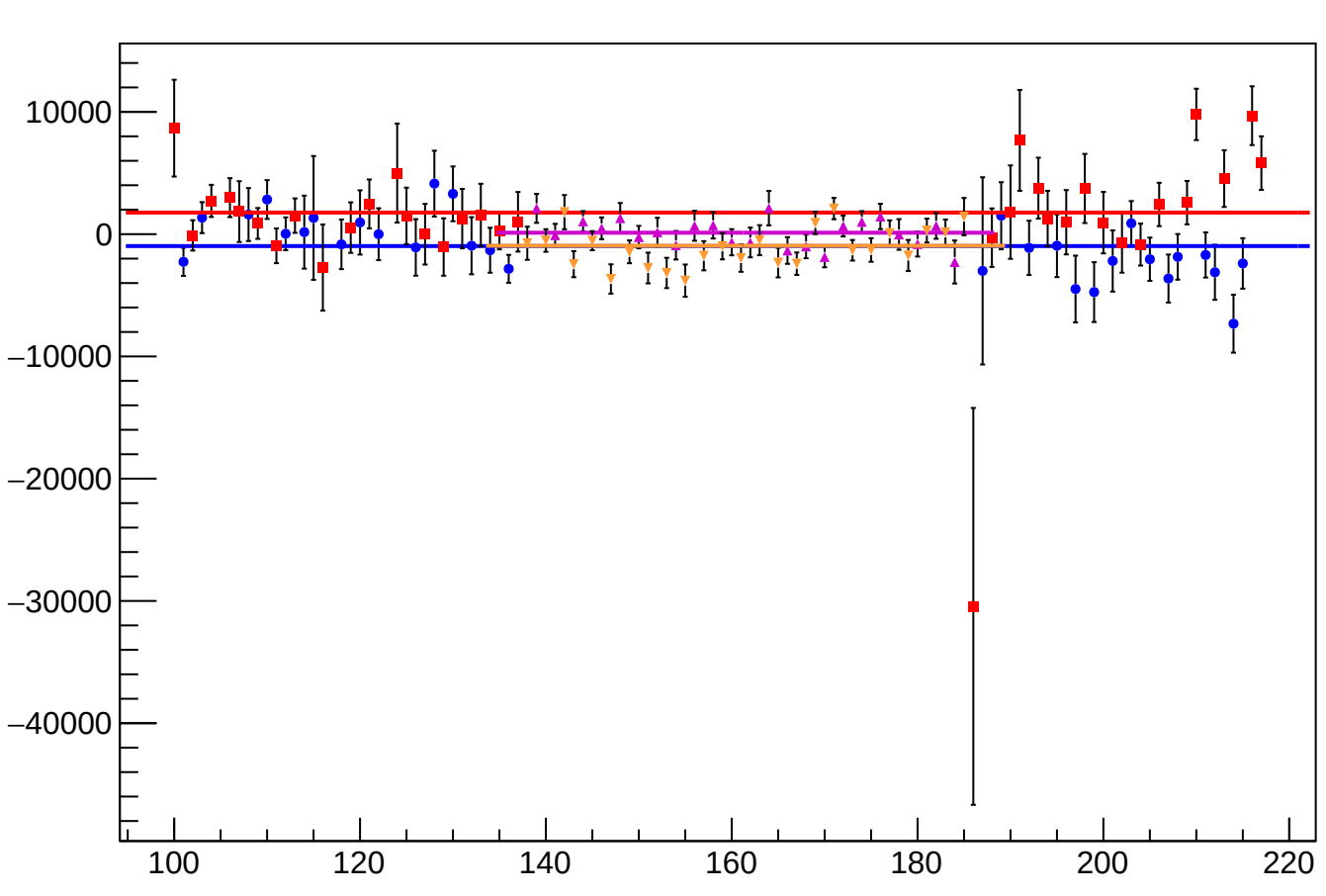
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.179+/-0.015 χ^2/NDF: 3894025.7/66

In: 126.783+/-0.015 χ^2/NDF:2076994.0/53

Out: 126.279+/-0.014 χ^2/NDF:3034196.0/60

All: 126.524+/-0.010 χ^2/NDF: 5111781.5/114



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: 1766.873+/-341.067 χ^2/NDF: 58.6/35

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

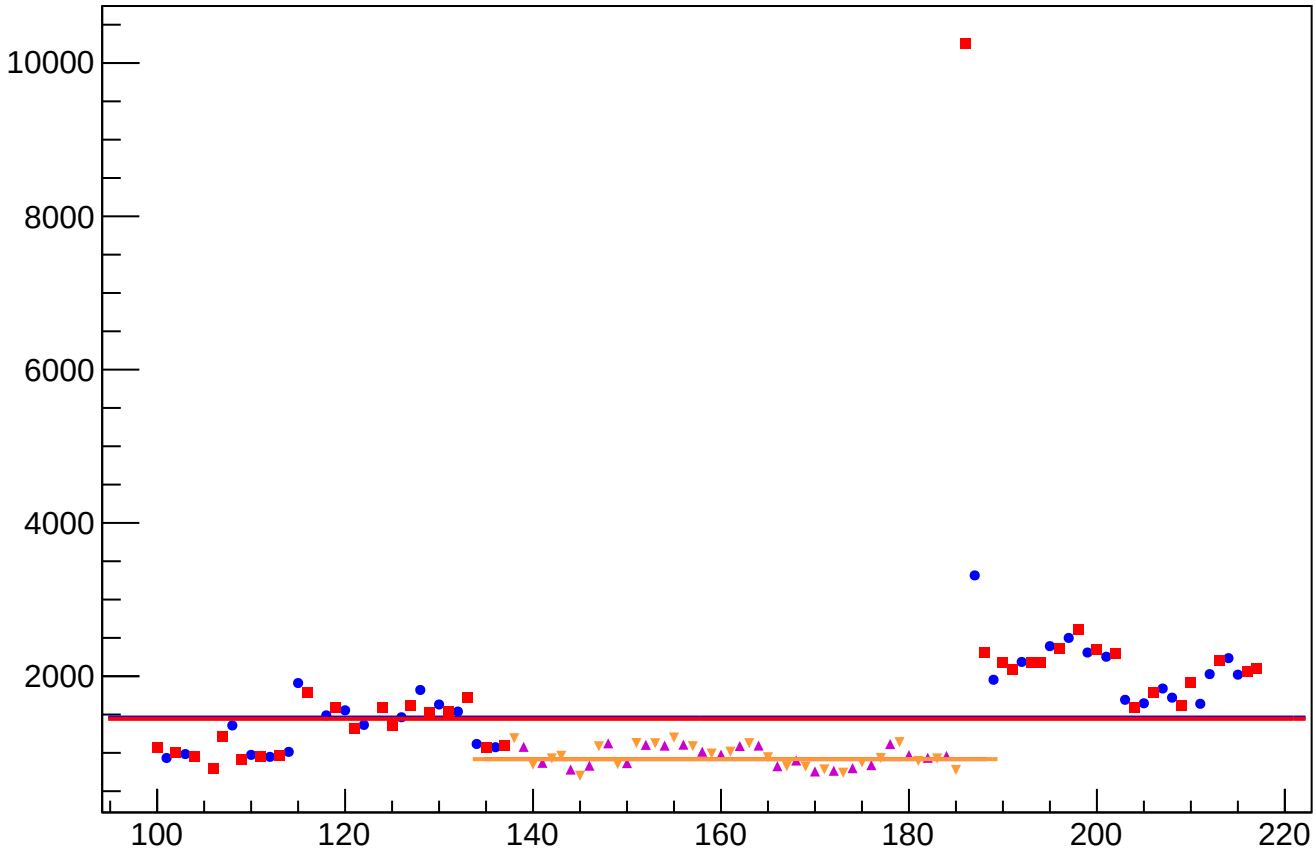
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 436.431+/-244.647 χ^2/NDF: 130.7/66

In: -183.716+/-184.694 χ^2/NDF:72.1/53

Out: -192.255+/-179.926 χ^2/NDF:154.6/60

All: -188.097+/-128.879 χ^2/NDF: 226.7/114



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: 1443.823+/-0.241 χ^2/NDF: 5161324.6/35

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

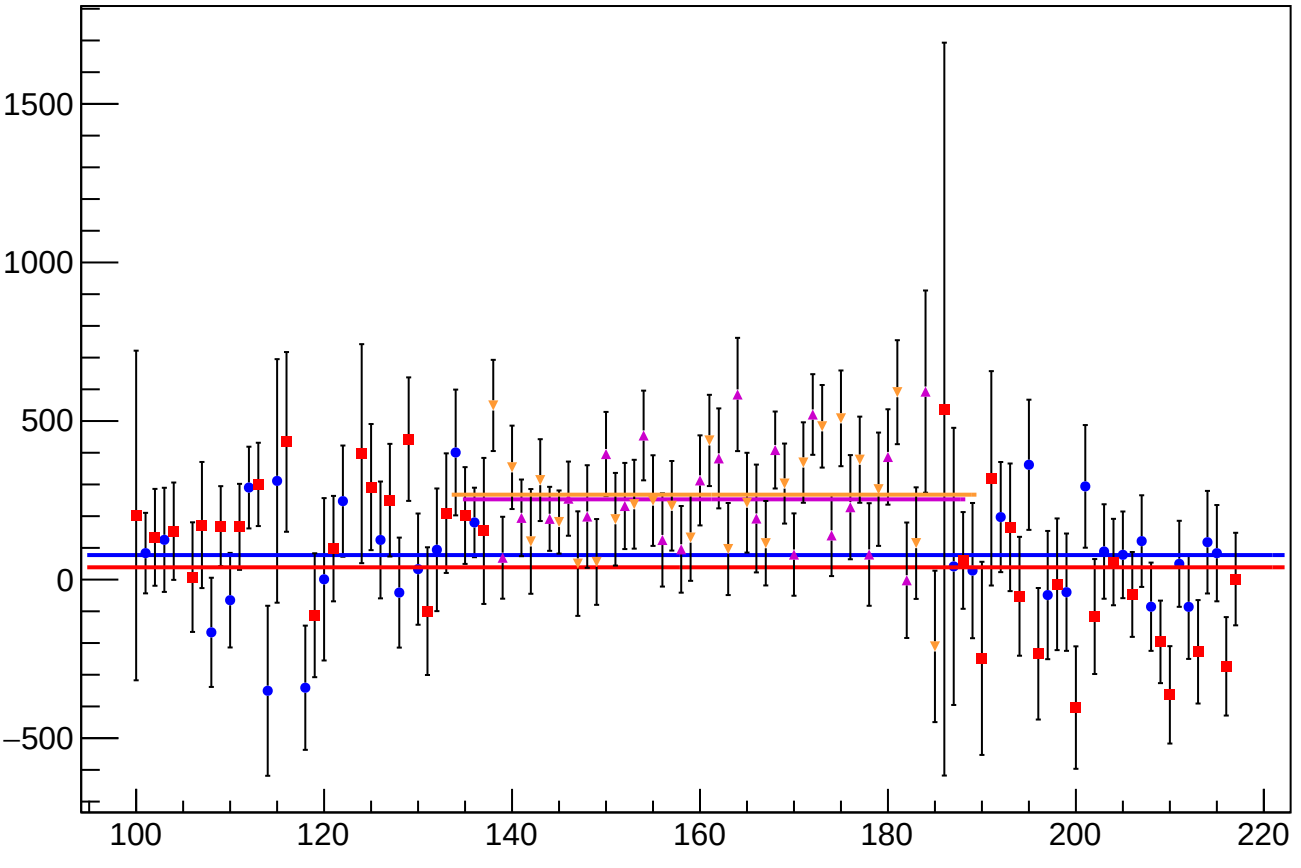
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1452.115+/-0.173 χ^2/NDF: 8831389.4/66

In: 1068.373+/-0.131 χ^2/NDF:7789703.6/53

Out: 1064.696+/-0.127 χ^2/NDF:9473350.7/60

All: 1066.486+/-0.091 χ^2/NDF: 17263461.0/1



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: 38.764+/-29.339 χ^2/NDF: 48.7/35

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

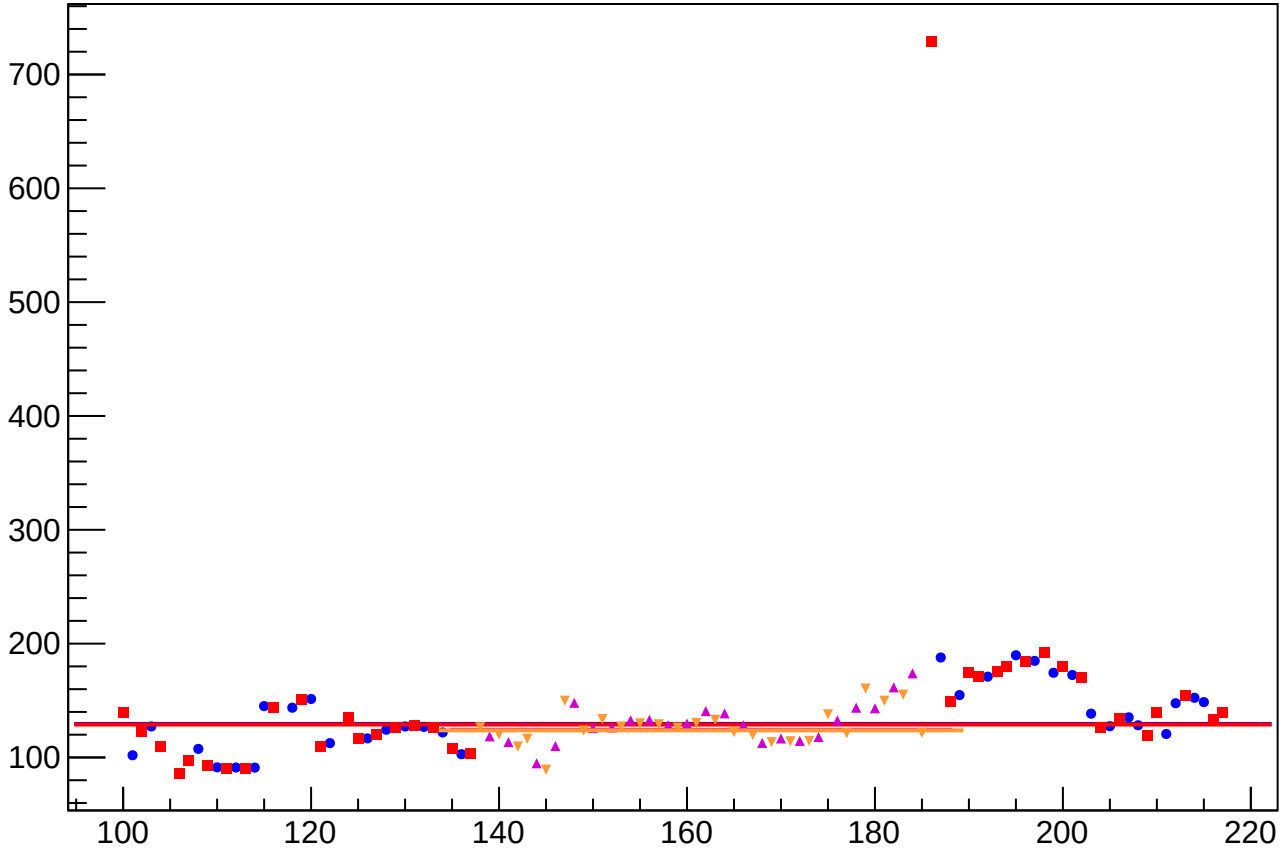
Right: 57.513+/-21.031 χ^2/NDF: 75.0/66

In: 167.704+/-21.022 χ^2/NDF:69.1/53

Out: 156.971+/-20.409 χ^2/NDF:111.2/60

All: 162.179+/-14.643 χ^2/NDF: 180.4/114

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 129.456+/-0.021 χ^2/NDF: 1489242.3/30

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 128.916+/-0.021 χ^2/NDF: 2404454.1/35

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

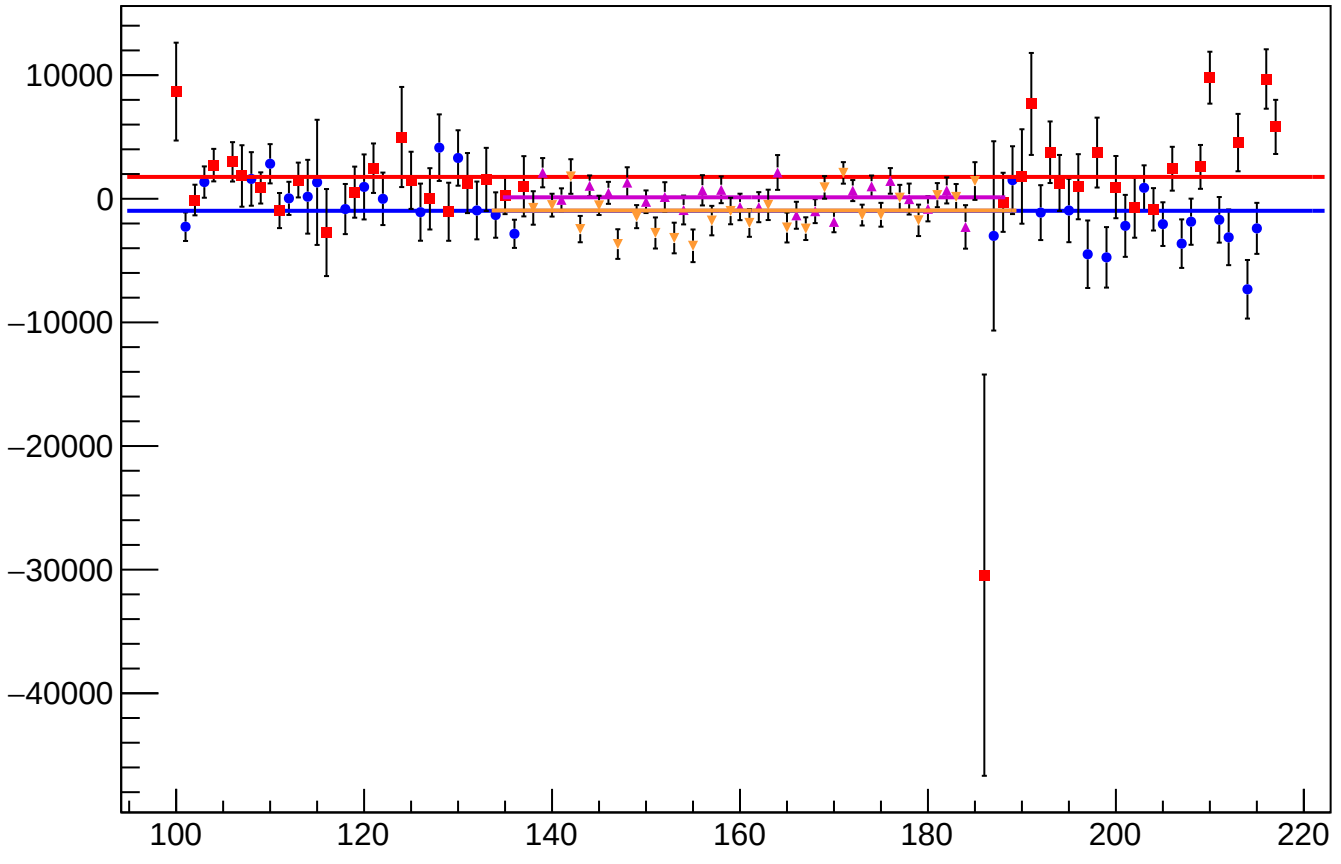
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.179+/-0.015 χ^2/NDF: 3894025.7/66

In: 126.783+/-0.015 χ^2/NDF:2076994.0/53

Out: 126.279+/-0.014 χ^2/NDF:3034196.0/60

All: 126.524+/-0.010 χ^2/NDF: 5111781.5/114



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: 1766.873+/-341.067 χ^2/NDF: 58.6/35

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

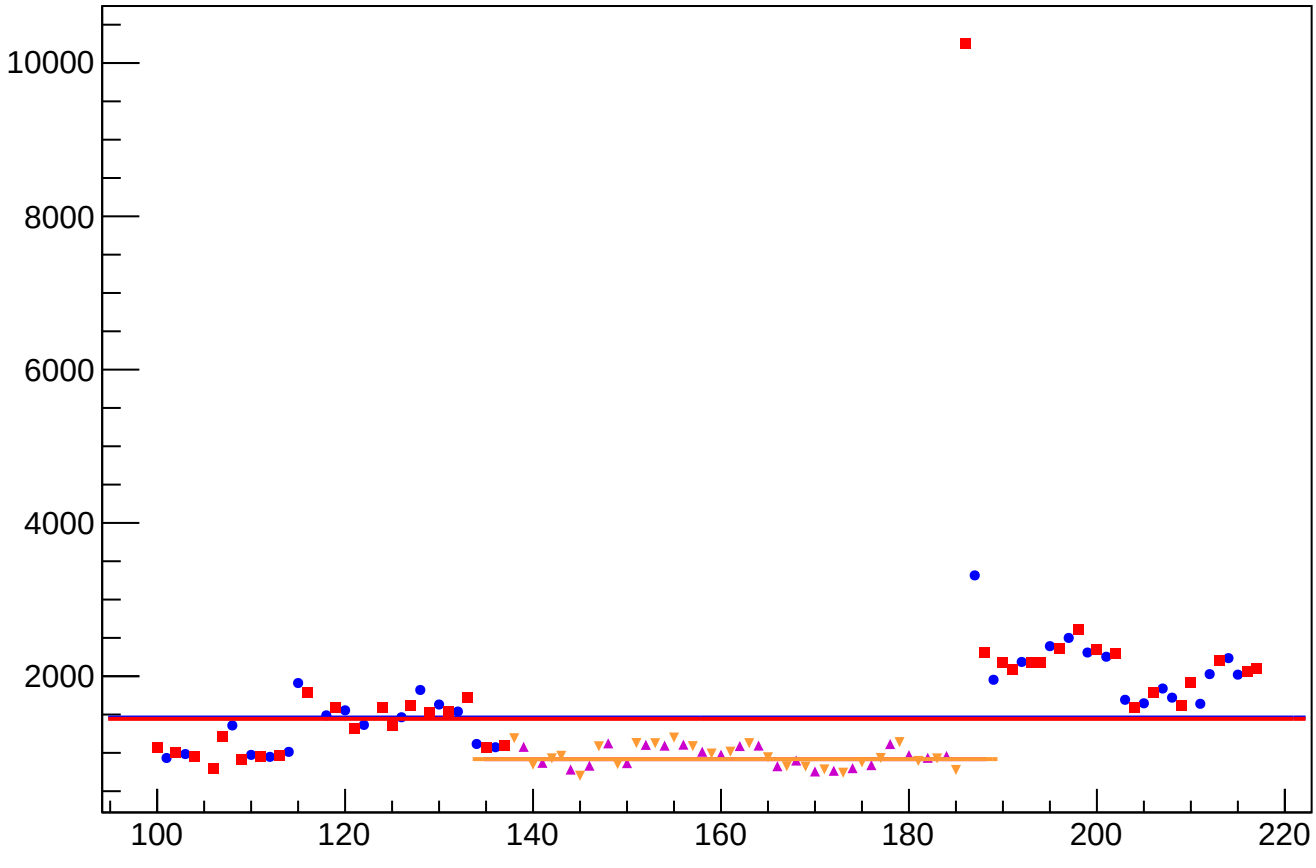
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 436.431+/-244.647 χ^2/NDF: 130.7/66

In: -183.716+/-184.694 χ^2/NDF:72.1/53

Out: -192.255+/-179.926 χ^2/NDF:154.6/60

All: -188.097+/-128.879 χ^2/NDF: 226.7/114



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: 1443.823+/-0.241 χ^2/NDF: 5161324.6/35

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

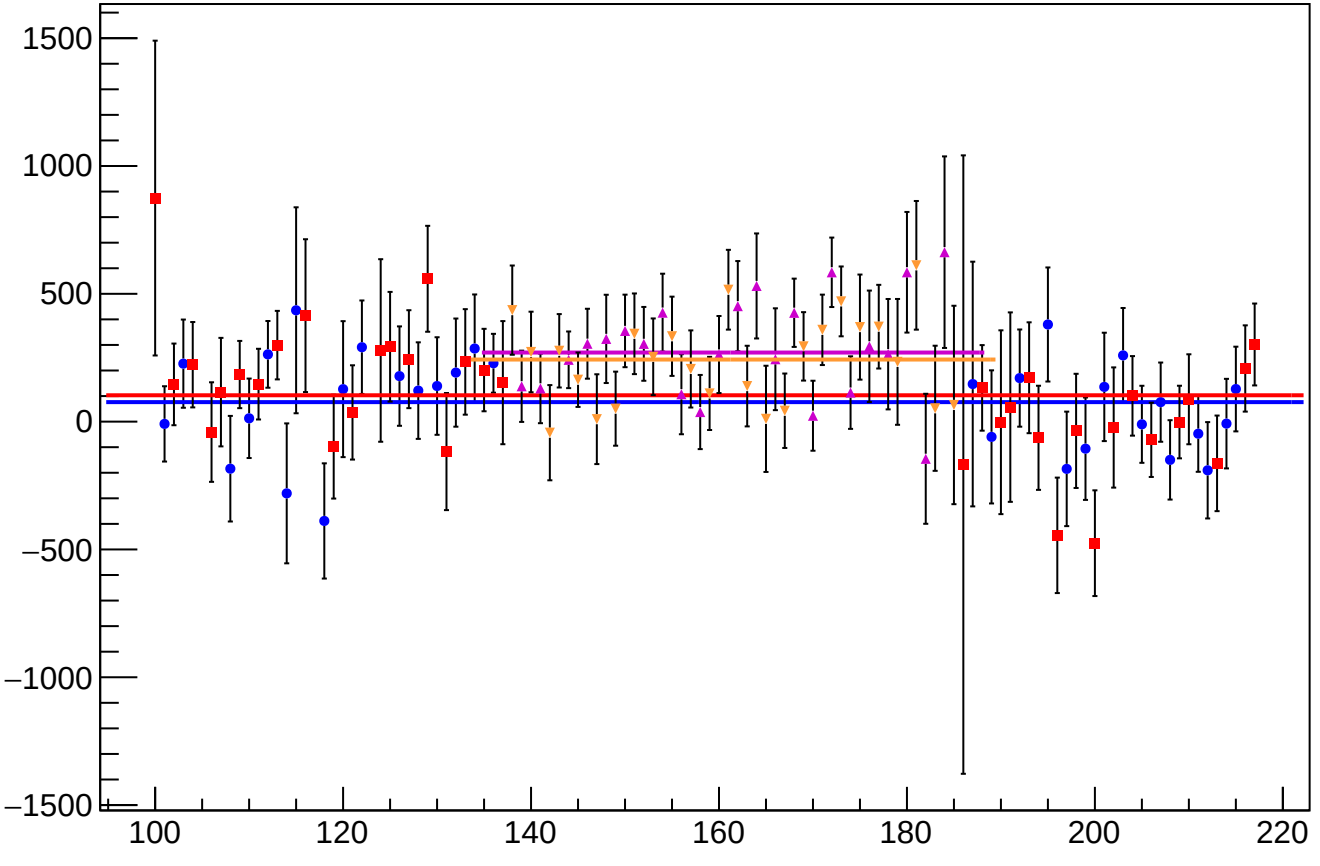
Right: 1452.115+/-0.173 χ^2/NDF: 8831389.4/66

In: 1068.373+/-0.131 χ^2/NDF:7789703.6/53

Out: 1064.696+/-0.127 χ^2/NDF:9473350.7/60

All: 1066.486+/-0.091 χ^2/NDF: 17263461.0/1

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: 103.125+/-31.840 χ^2/NDF: 37.0/35

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

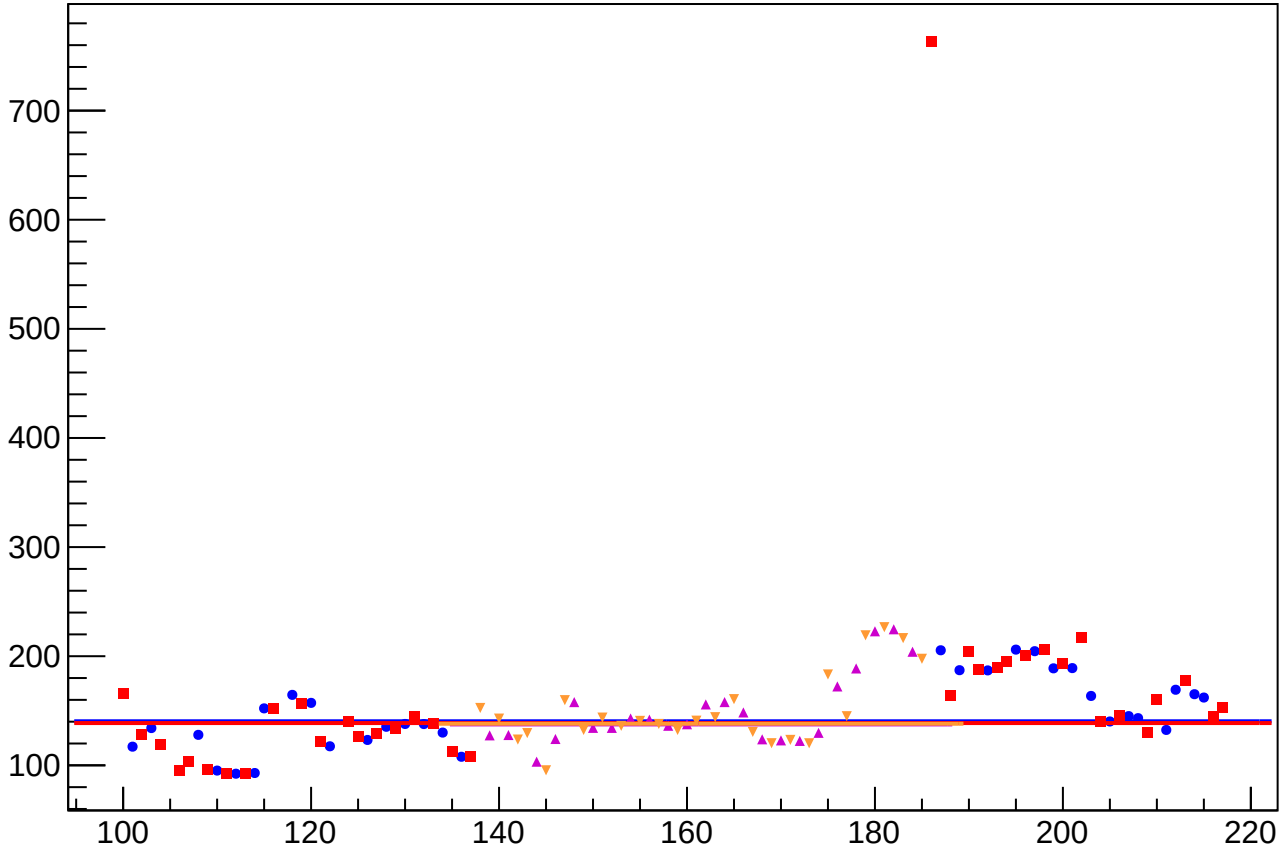
Right: 90.176+/-22.896 χ^2/NDF: 64.9/66

In: 173.440+/-23.279 χ^2/NDF:71.7/53

Out: 172.354+/-22.619 χ^2/NDF:70.2/60

All: 172.882+/-16.222 χ^2/NDF: 141.9/114

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: 138.734+/-0.023 χ^2/NDF: 2781208.7/35

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

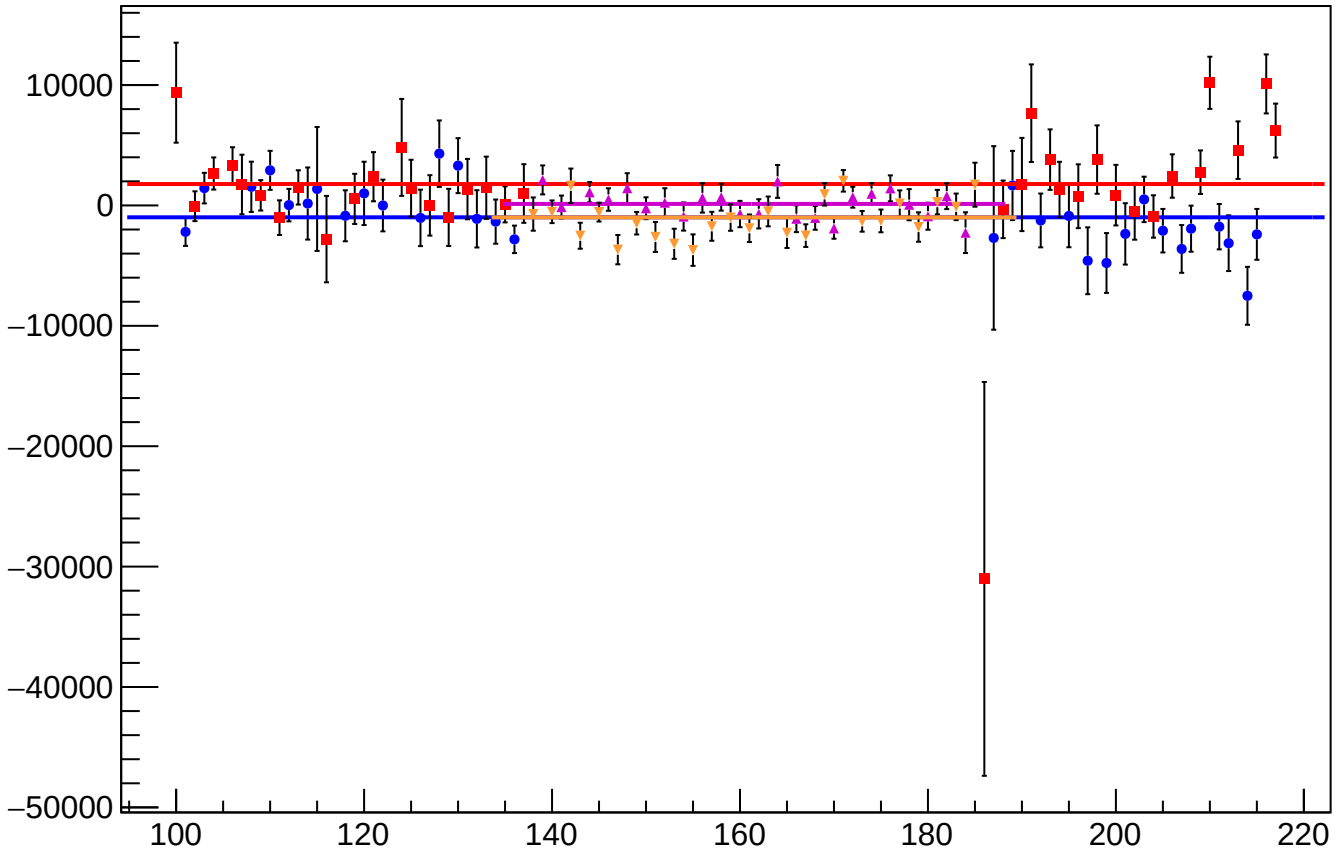
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 139.524+/-0.016 χ^2/NDF: 4533963.2/66

In: 138.928+/-0.016 χ^2/NDF:2867182.8/53

Out: 138.433+/-0.016 χ^2/NDF:4119876.4/60

All: 138.674+/-0.011 χ^2/NDF: 6987524.0/114



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: 1777.330+/-343.800 χ^2/NDF: 61.2/35

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

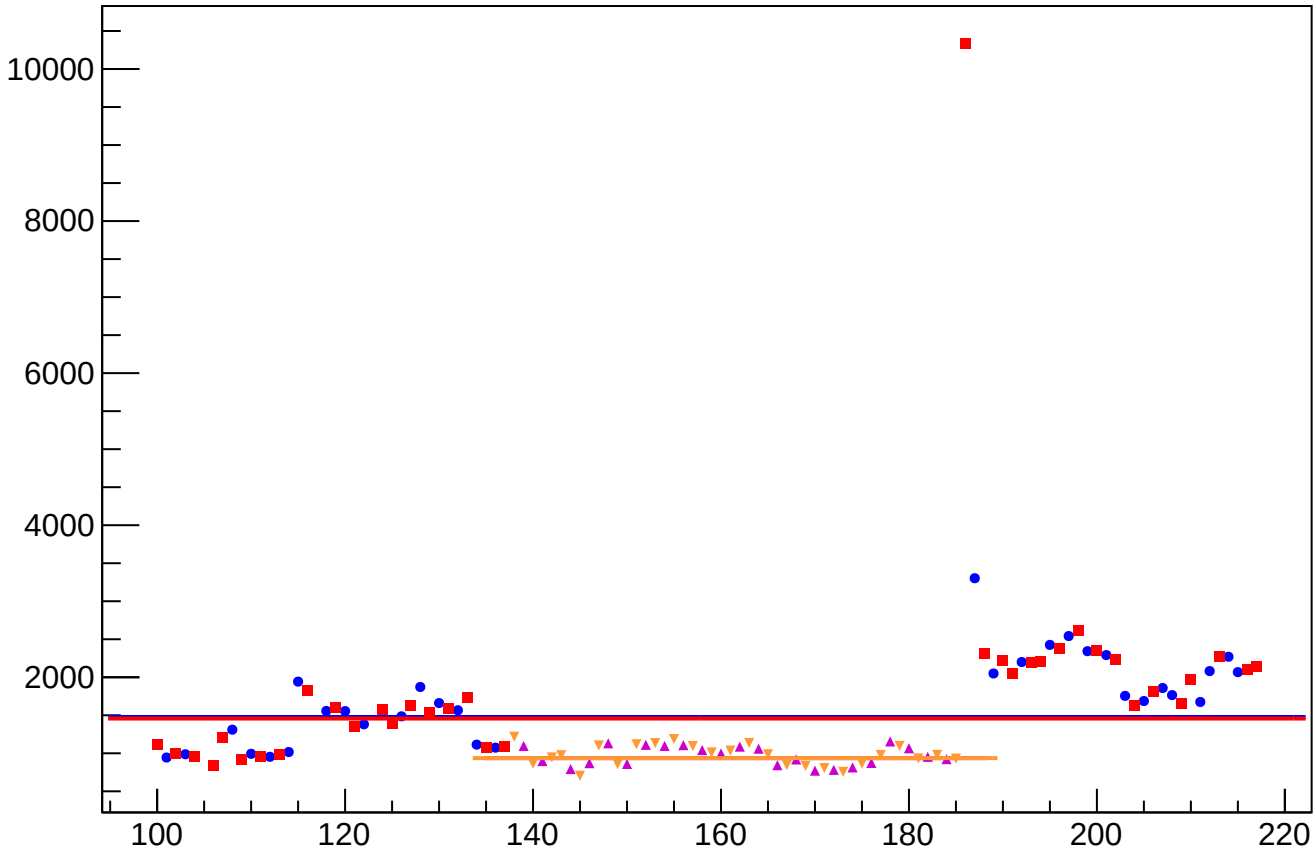
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 442.033+/-247.161 χ^2/NDF: 133.0/66

In: -185.513+/-187.924 χ^2/NDF:71.5/53

Out: -210.940+/-182.687 χ^2/NDF:154.8/60

All: -198.586+/-130.992 χ^2/NDF: 226.2/114



Right In: 1477.347+/-0.251 χ^2/NDF: 3798199.3/30

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1457.315+/-0.243 χ^2/NDF: 5186095.0/35

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

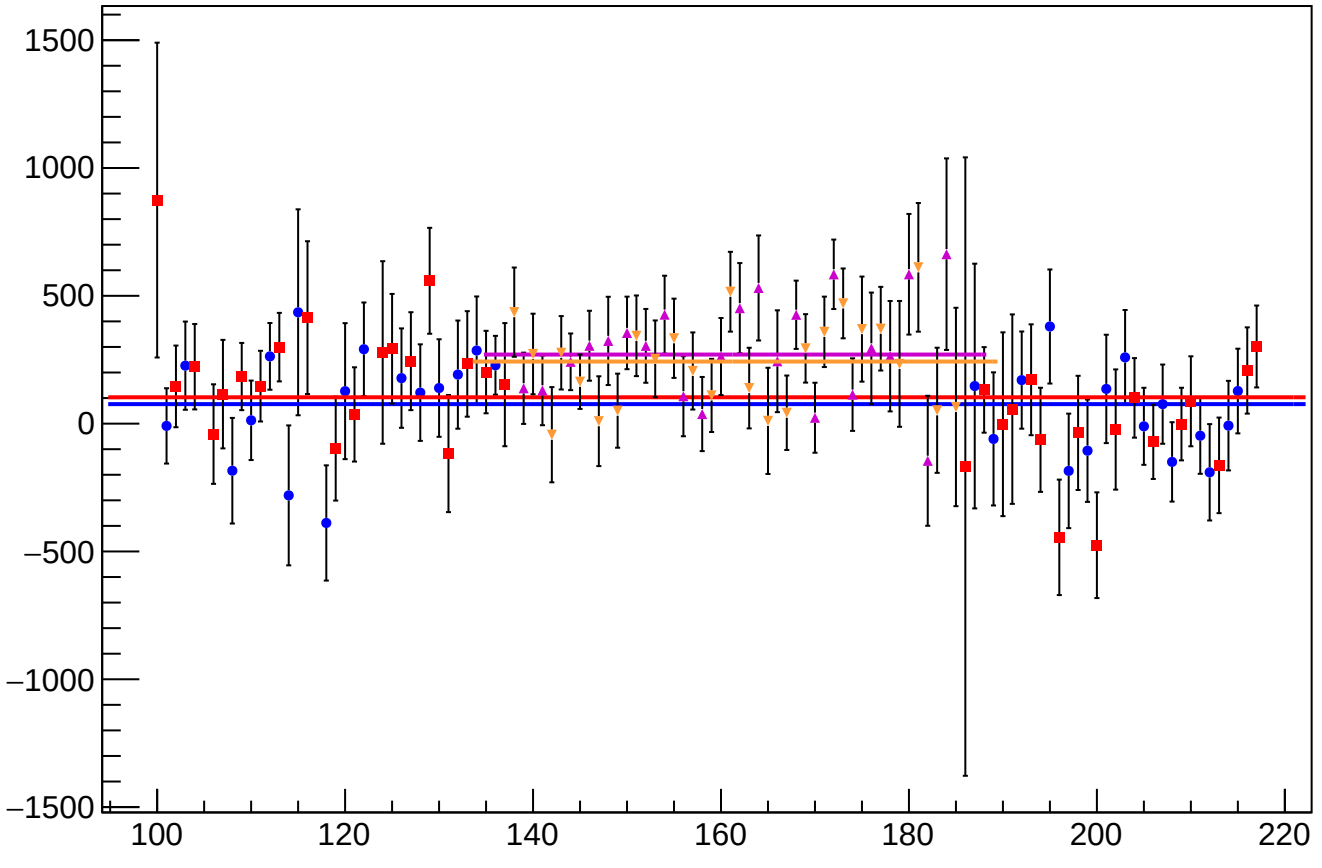
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1466.993+/-0.175 χ^2/NDF: 8987575.0/66

In: 1087.483+/-0.133 χ^2/NDF:7777117.1/53

Out: 1083.732+/-0.129 χ^2/NDF:9309228.7/60

All: 1085.555+/-0.093 χ^2/NDF: 17086755.5/1



Right In: 76.312+/-32.949 χ^2/NDF: 27.6/30

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 103.123+/-31.840 χ^2/NDF: 37.0/35

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

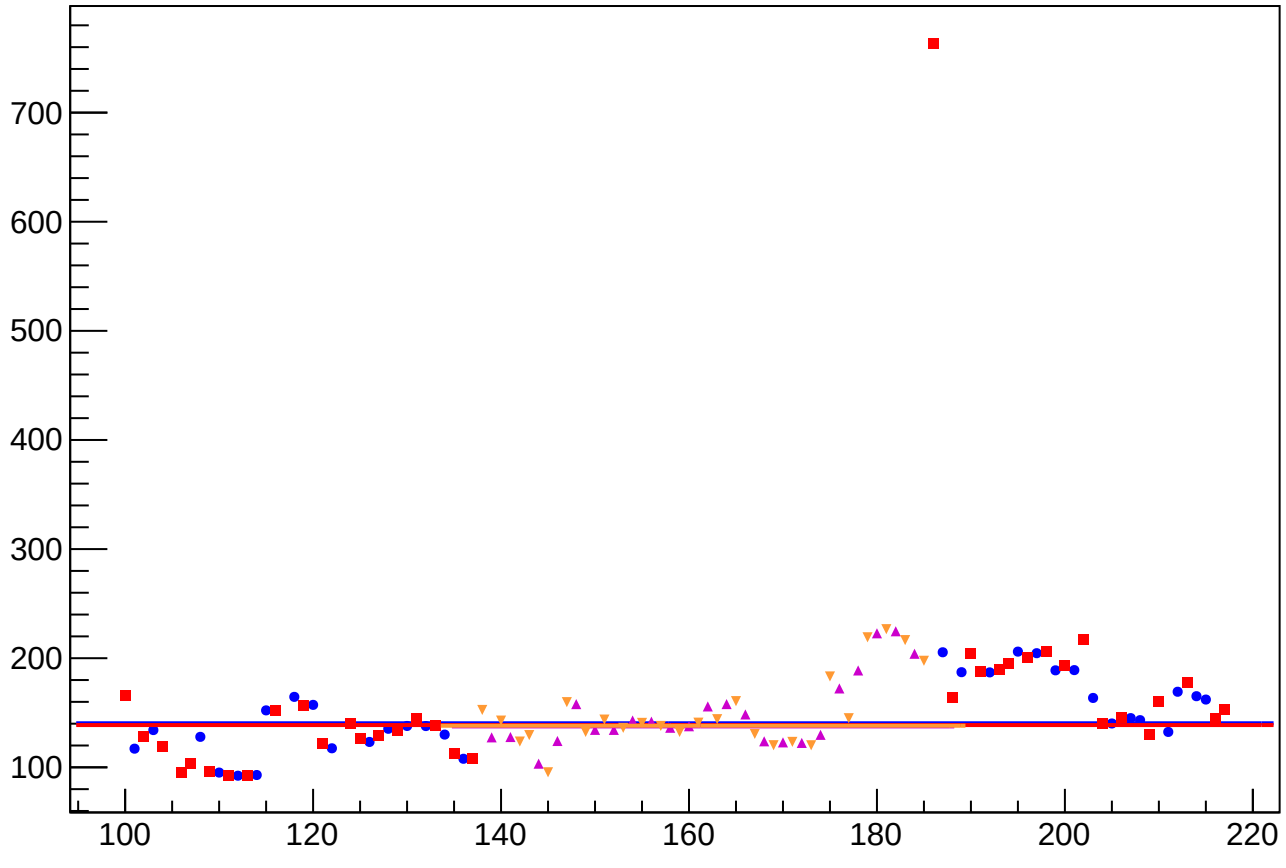
Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

Right: 90.176+/-22.896 χ^2/NDF: 64.9/66

In: 173.442+/-23.279 χ^2/NDF:71.7/53

Out: 172.355+/-22.619 χ^2/NDF:70.2/60

All: 172.883+/-16.222 χ^2/NDF: 141.9/114



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: 138.734+/-0.023 χ^2/NDF: 2781212.7/35

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

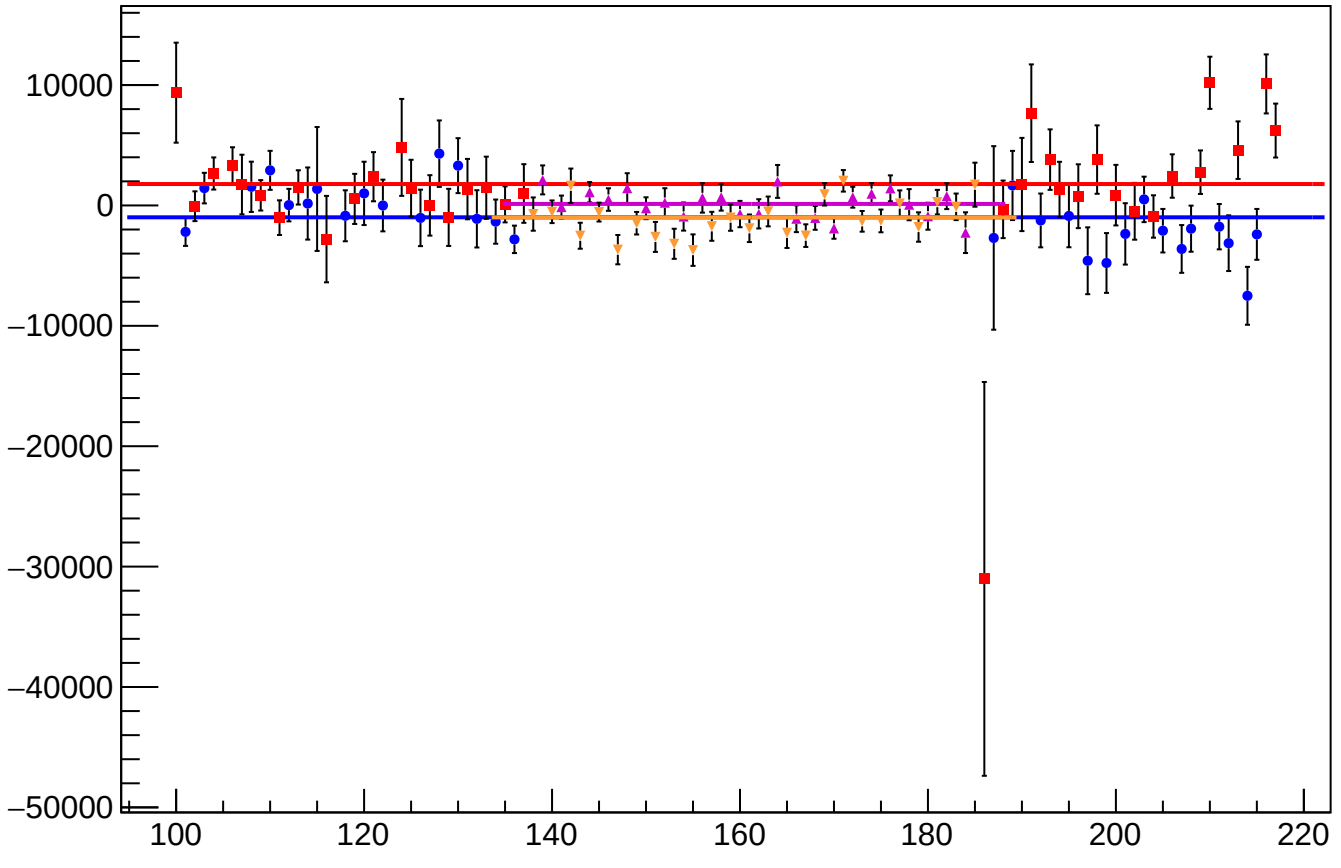
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 139.524+/-0.016 χ^2/NDF: 4533949.0/66

In: 138.928+/-0.016 χ^2/NDF:2867150.7/53

Out: 138.433+/-0.016 χ^2/NDF:4119883.6/60

All: 138.674+/-0.011 χ^2/NDF: 6987499.0/114



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: 1777.328+/-343.800 χ^2/NDF: 61.2/35

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

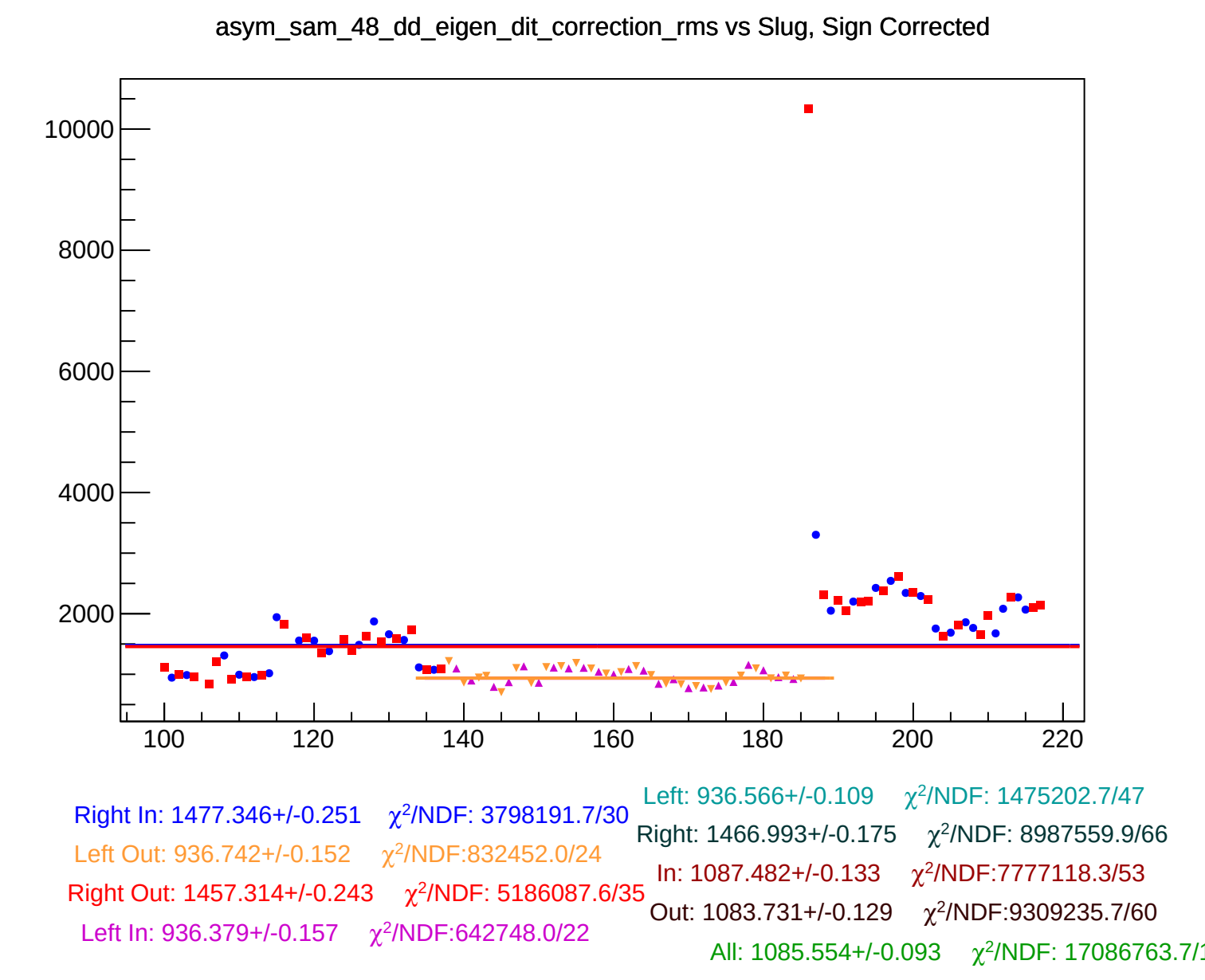
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 442.033+/-247.161 χ^2/NDF: 133.0/66

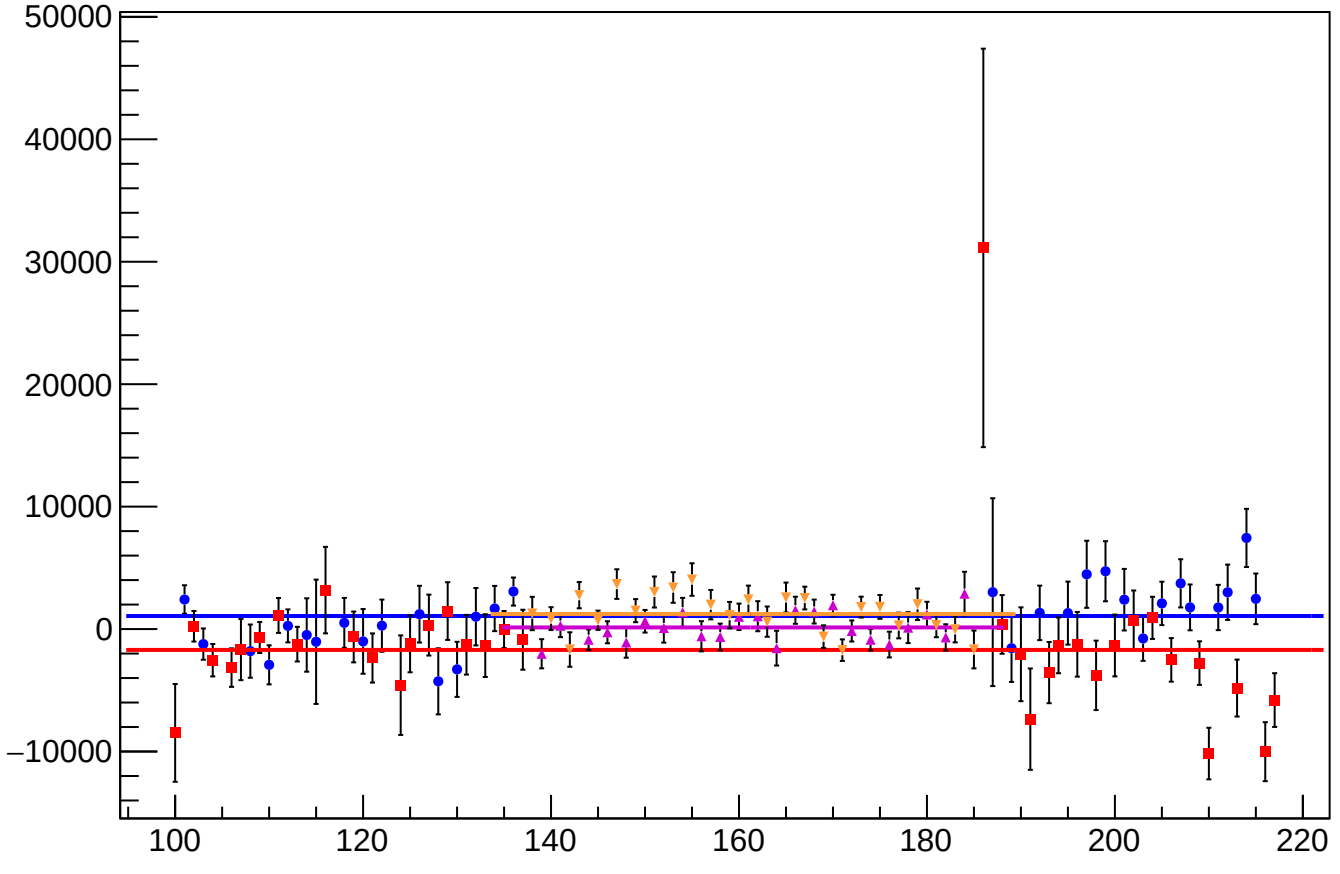
In: -185.513+/-187.924 χ^2/NDF:71.5/53

Out: -210.939+/-182.687 χ^2/NDF:154.8/60

All: -198.586+/-130.991 χ^2/NDF: 226.2/114


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: 1457.314+/-0.243 χ²/NDF: 5186087.6/35
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1466.993+/-0.175 χ²/NDF: 8987559.9/66
In: 1087.482+/-0.133 χ²/NDF:7777118.3/53
Out: 1083.731+/-0.129 χ²/NDF:9309235.7/60
All: 1085.554+/-0.093 χ²/NDF: 17086763.7/1

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: -1703.886+/-342.261 χ^2/NDF: 62.9/35

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

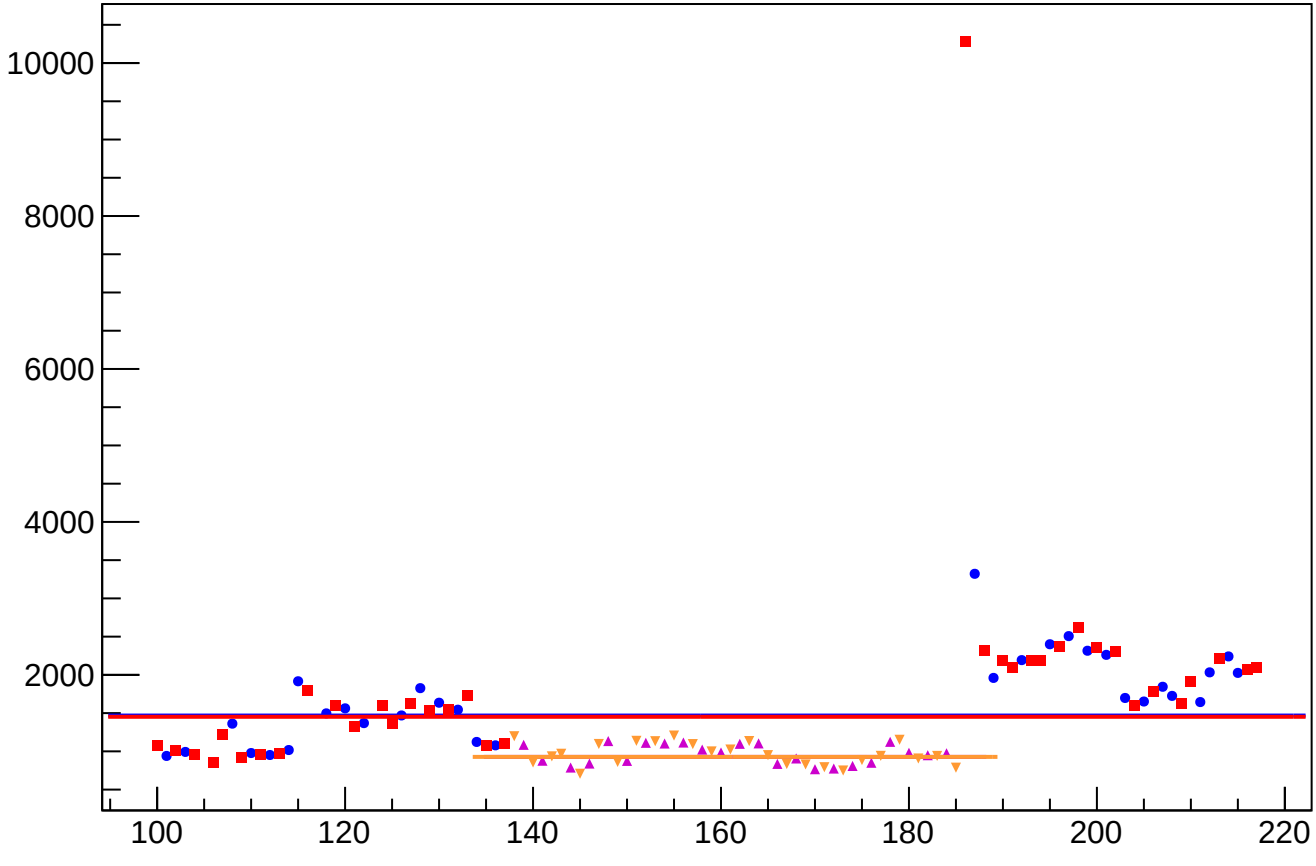
Right: -360.712+/-245.616 χ^2/NDF: 136.6/66

In: 392.851+/-186.219 χ^2/NDF:72.8/53

Out: 403.042+/-181.355 χ^2/NDF:164.1/60

All: 398.081+/-129.923 χ^2/NDF: 236.9/114

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: 1452.037+/-0.242 χ^2/NDF: 5091162.5/35

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

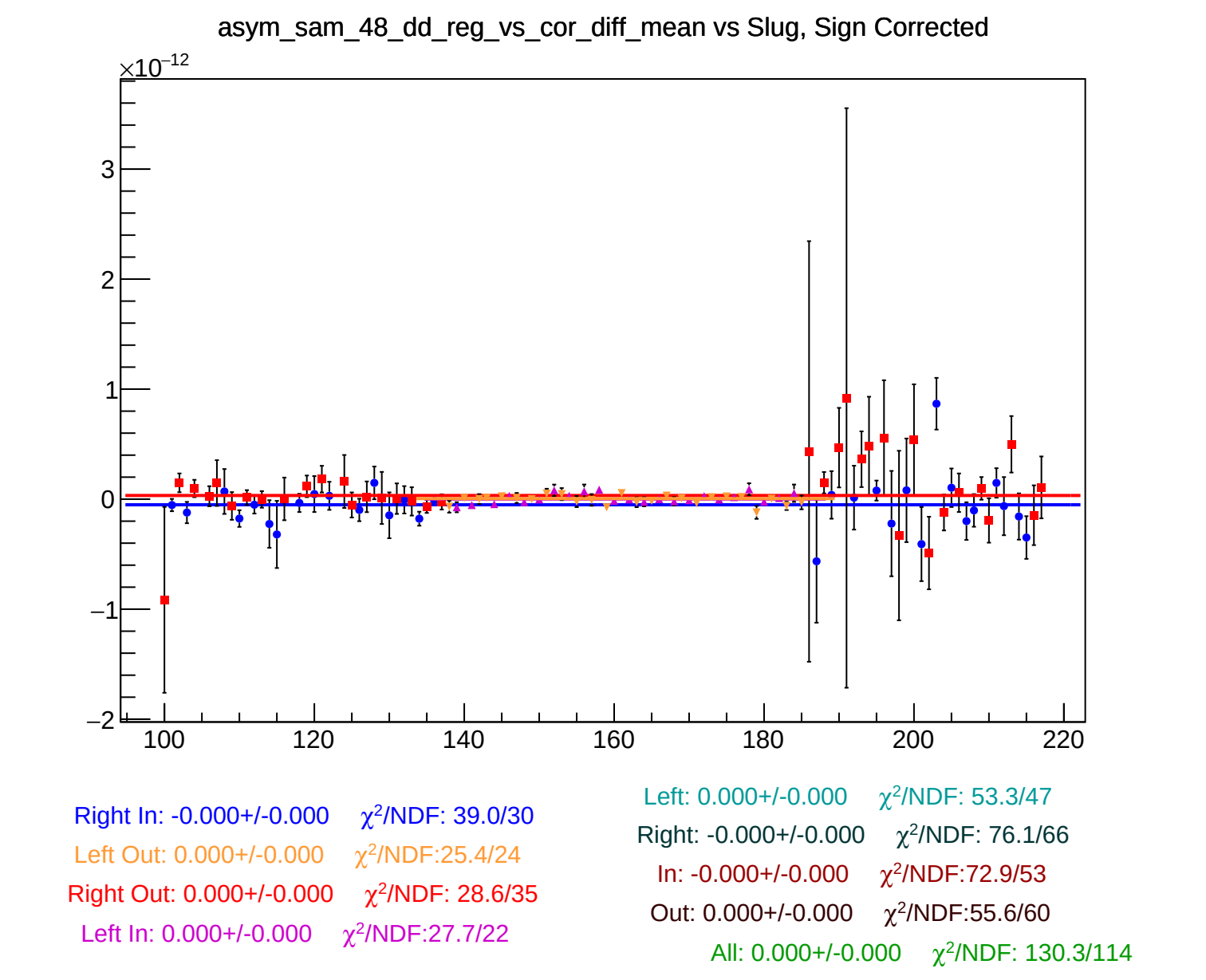
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

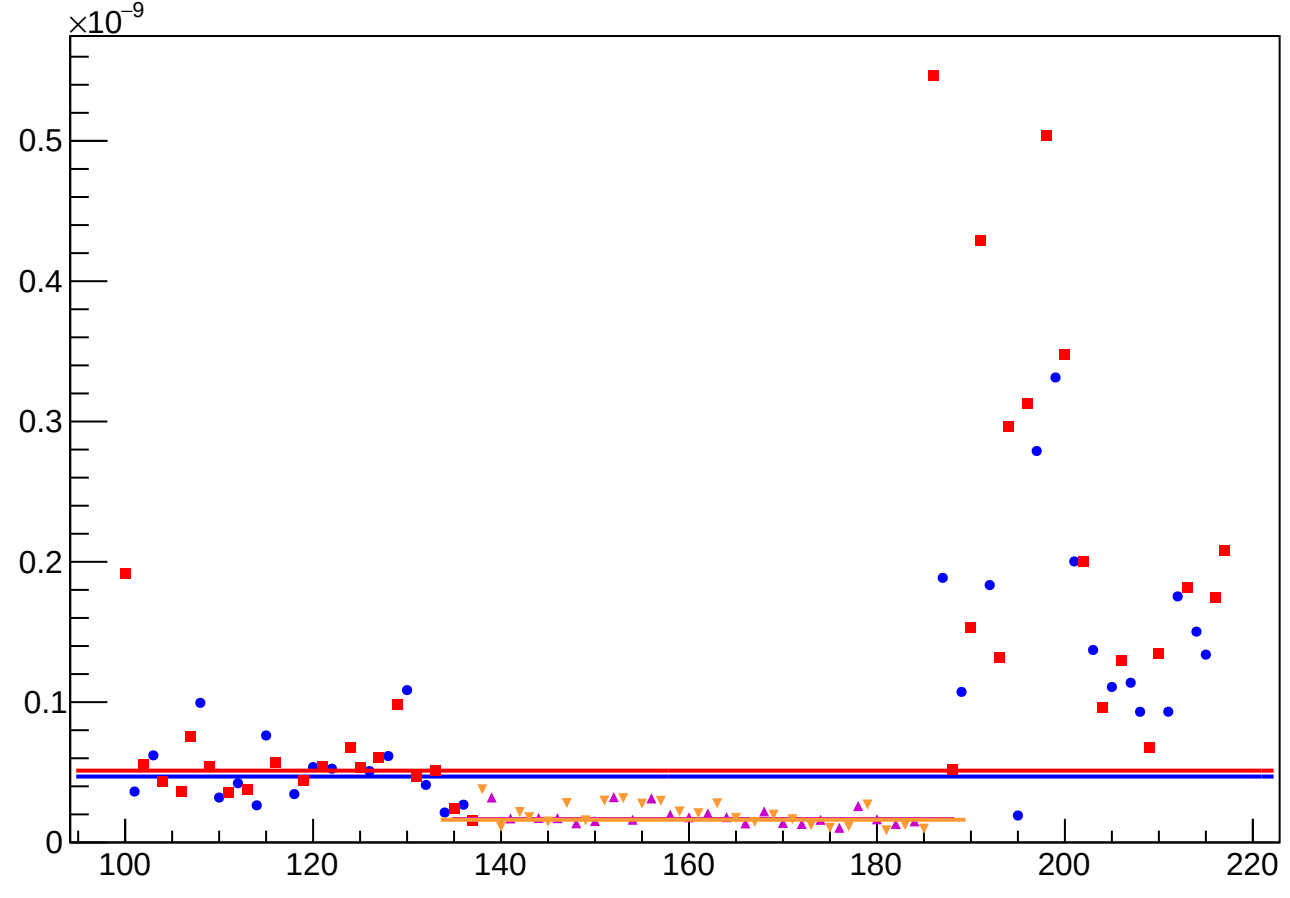
Right: 1459.797+/-0.174 χ^2/NDF: 8731297.9/66

In: 1078.071+/-0.132 χ^2/NDF:7685086.0/53

Out: 1074.851+/-0.128 χ^2/NDF:9343476.0/60

All: 1076.418+/-0.092 χ^2/NDF: 17028868.9/1


asym_sam_48_dd_reg_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: 39.0/30
Left Out: 0.000+/-0.000 χ²/NDF:25.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.6/35
Left In: 0.000+/-0.000 χ²/NDF:27.7/22
Left: 0.000+/-0.000 χ²/NDF: 53.3/47
Right: -0.000+/-0.000 χ²/NDF: 76.1/66
In: -0.000+/-0.000 χ²/NDF:72.9/53
Out: 0.000+/-0.000 χ²/NDF:55.6/60
All: 0.000+/-0.000 χ²/NDF: 130.3/114



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: 7310644.6/35

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

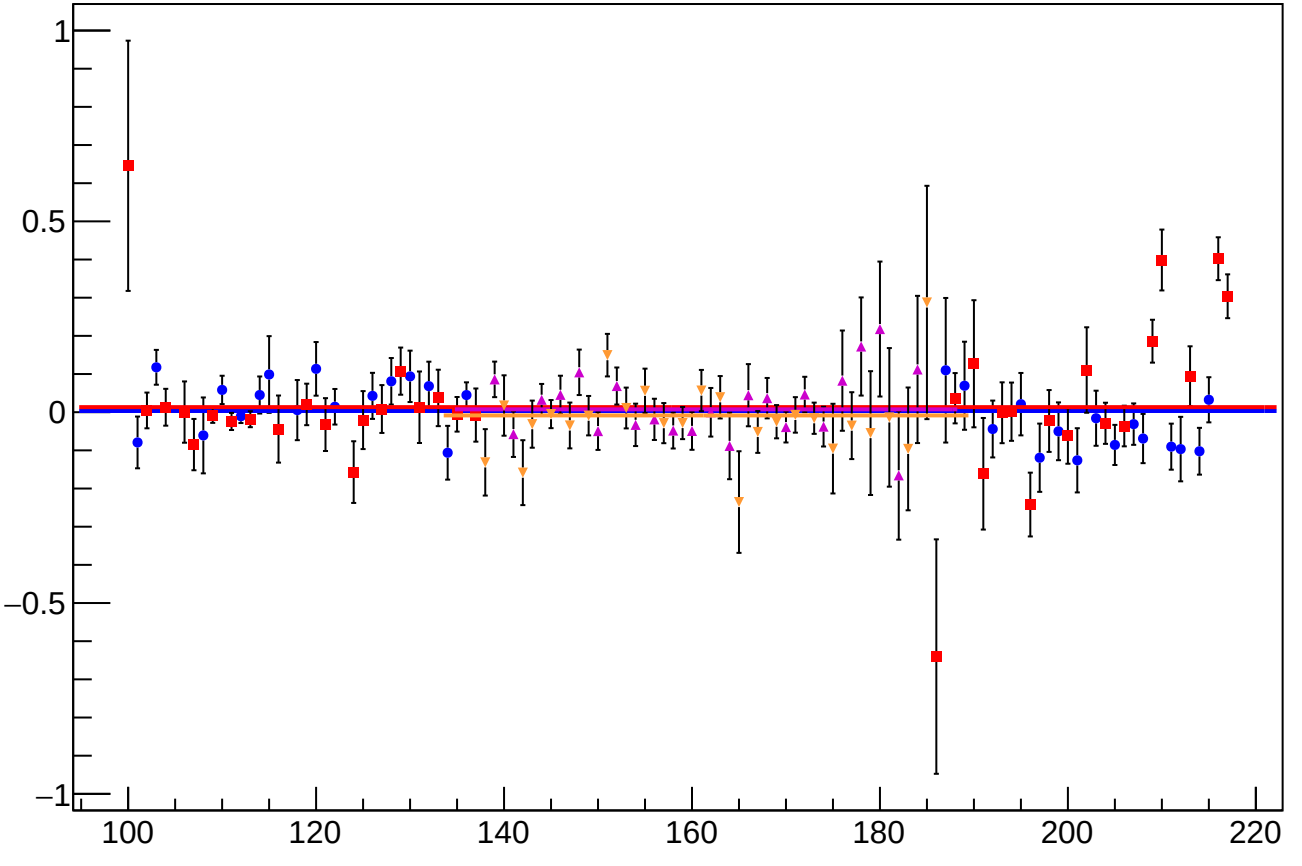
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13943635.4/66

In: 0.000+/-0.000 χ^2/NDF:11664071.6/53

Out: 0.000+/-0.000 χ^2/NDF:14376940.3/60

All: 0.000+/-0.000 χ^2/NDF: 26052446.2/114



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: 0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

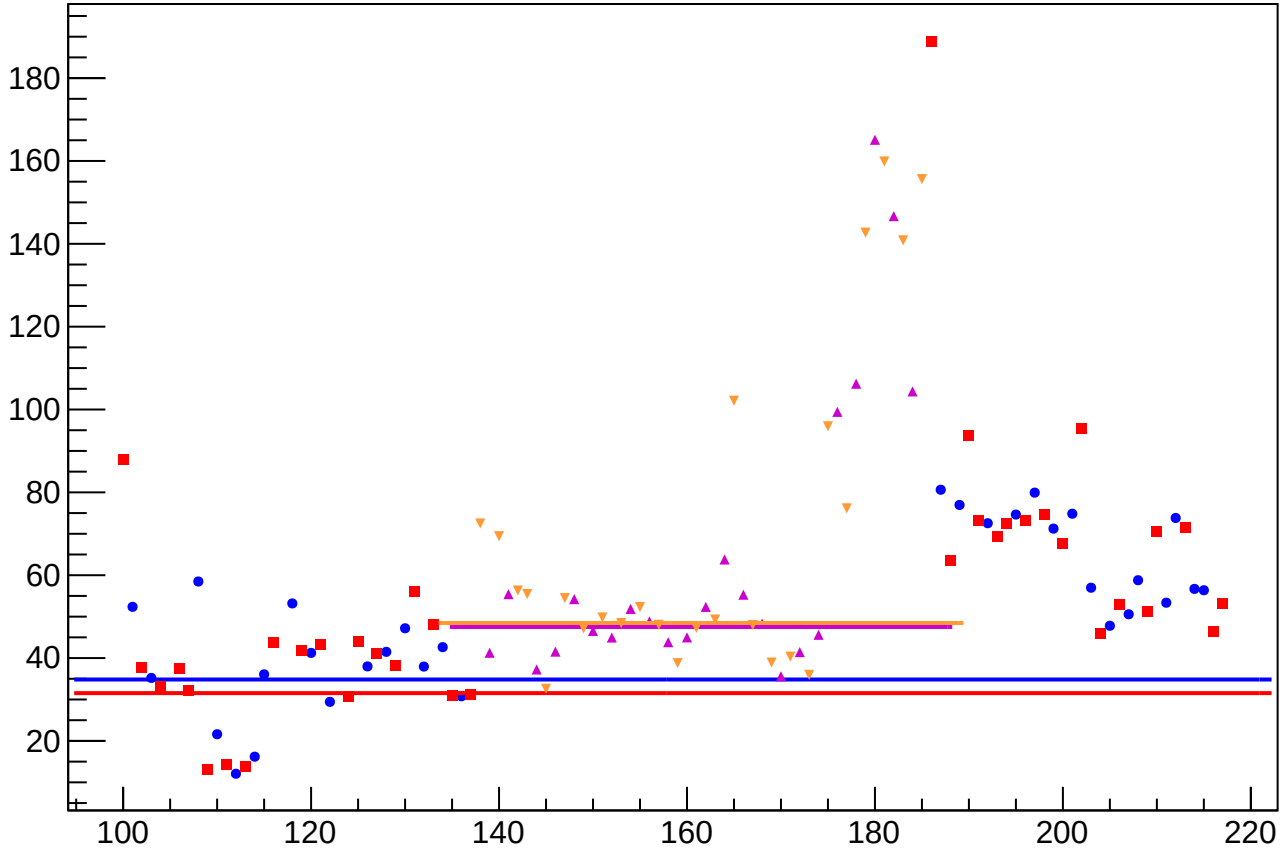
Right: 0.009+/-0.006 χ^2/NDF: 189.2/66

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: 0.006+/-0.007 χ^2/NDF:172.4/60

All: 0.005+/-0.005 χ^2/NDF: 237.2/114

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.824+/-0.007 χ^2/NDF: 9081518.7/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 31.538+/-0.006 χ^2/NDF: 11616813.8/35

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

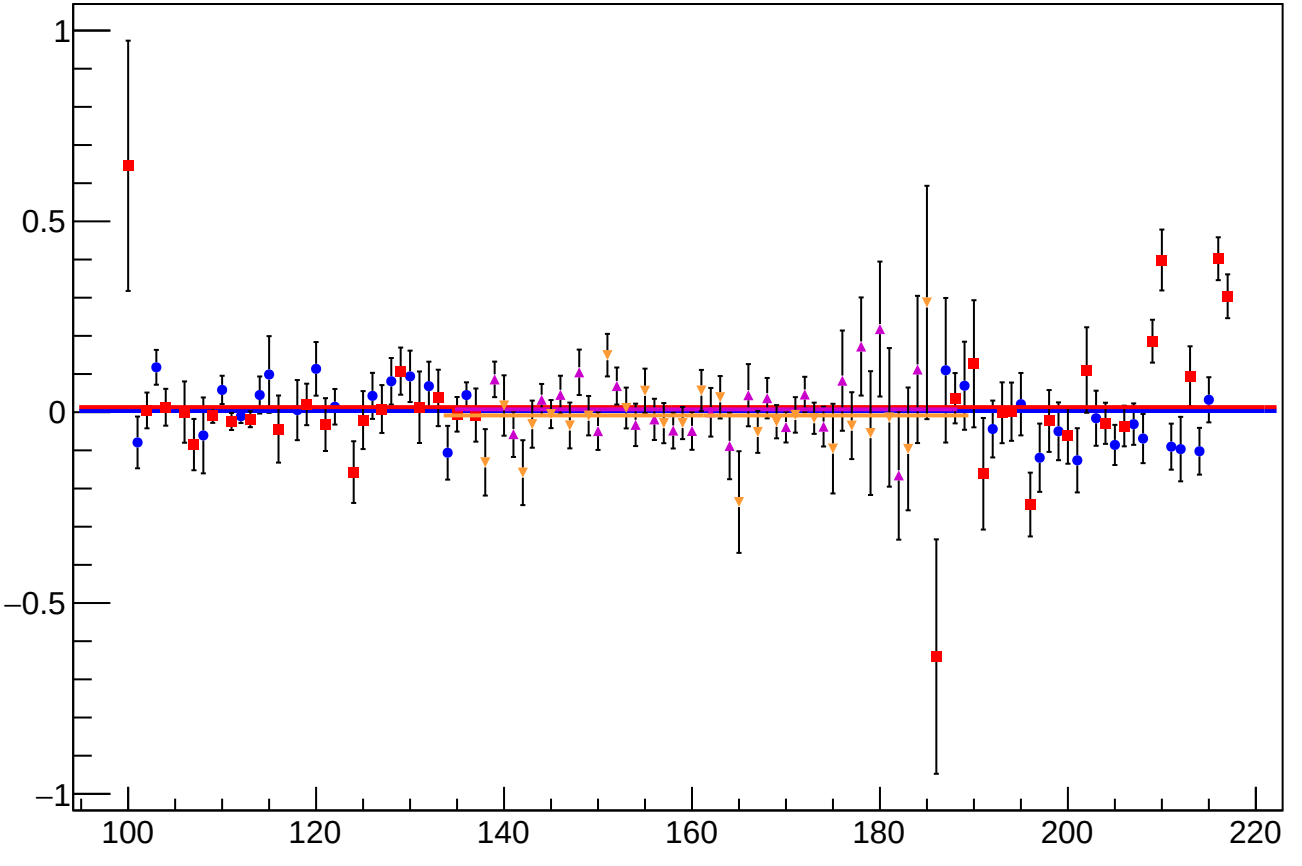
Right: 33.018+/-0.004 χ^2/NDF: 20830478.5/66

In: 39.678+/-0.005 χ^2/NDF:13527831.5/53

Out: 37.263+/-0.005 χ^2/NDF:18623573.8/60

All: 38.393+/-0.004 χ^2/NDF: 32263450.2/114

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: 0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

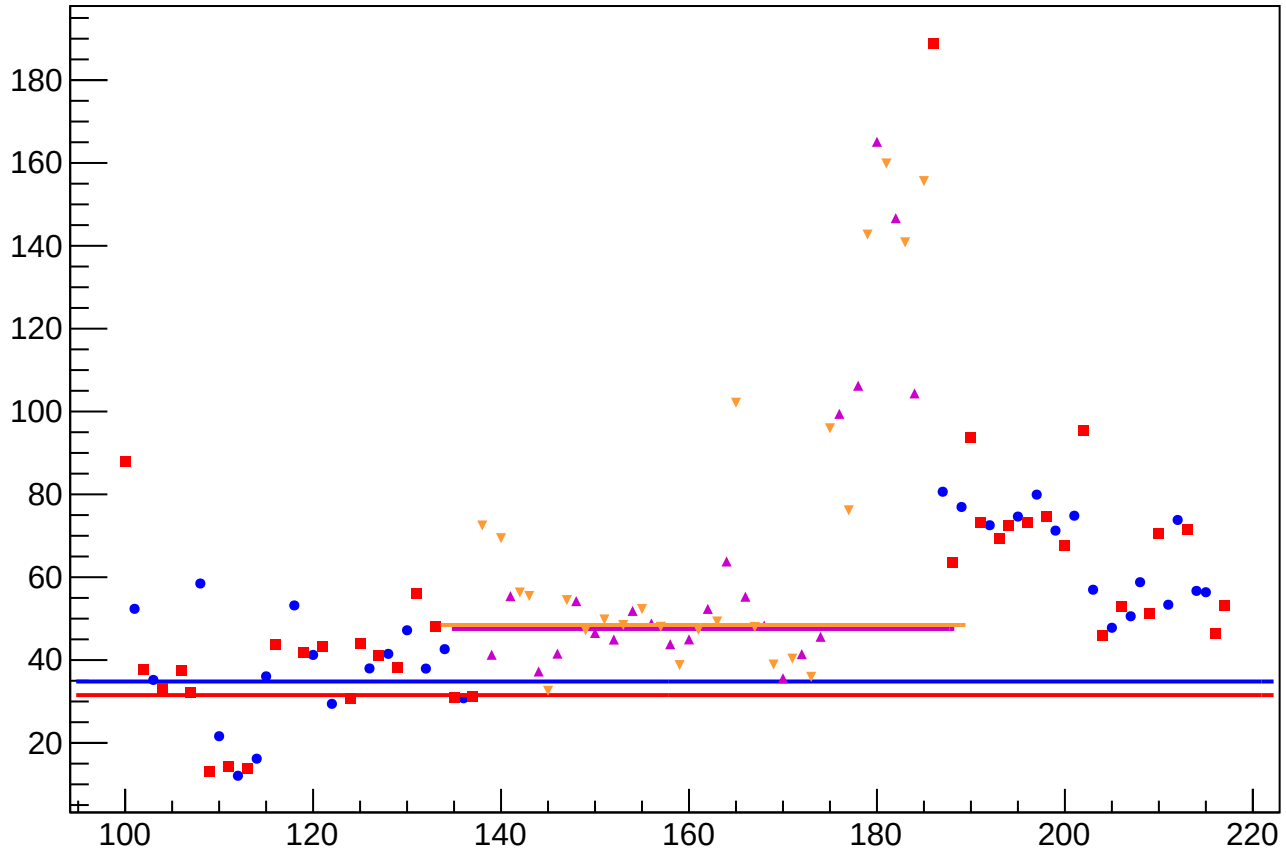
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.009+/-0.006 χ^2/NDF: 189.2/66

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: 0.006+/-0.007 χ^2/NDF:172.4/60

All: 0.005+/-0.005 χ^2/NDF: 237.2/114



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: 31.538+/-0.006 χ^2/NDF: 11616813.8/35

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

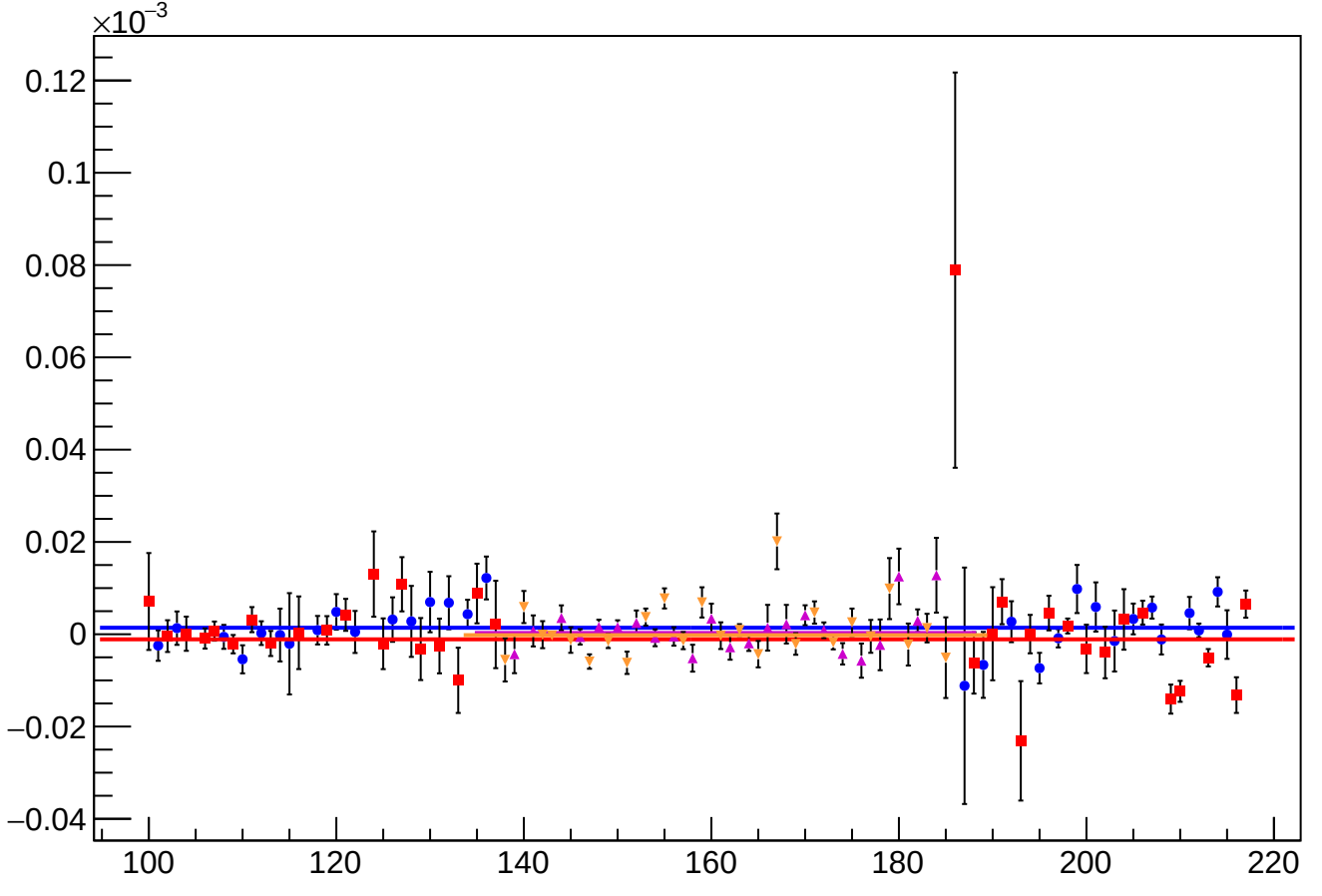
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 33.018+/-0.004 χ^2/NDF: 20830478.5/66

In: 39.678+/-0.005 χ^2/NDF:13527831.5/53

Out: 37.263+/-0.005 χ^2/NDF:18623573.8/60

All: 38.393+/-0.004 χ^2/NDF: 32263450.2/114



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: 101.5/35

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

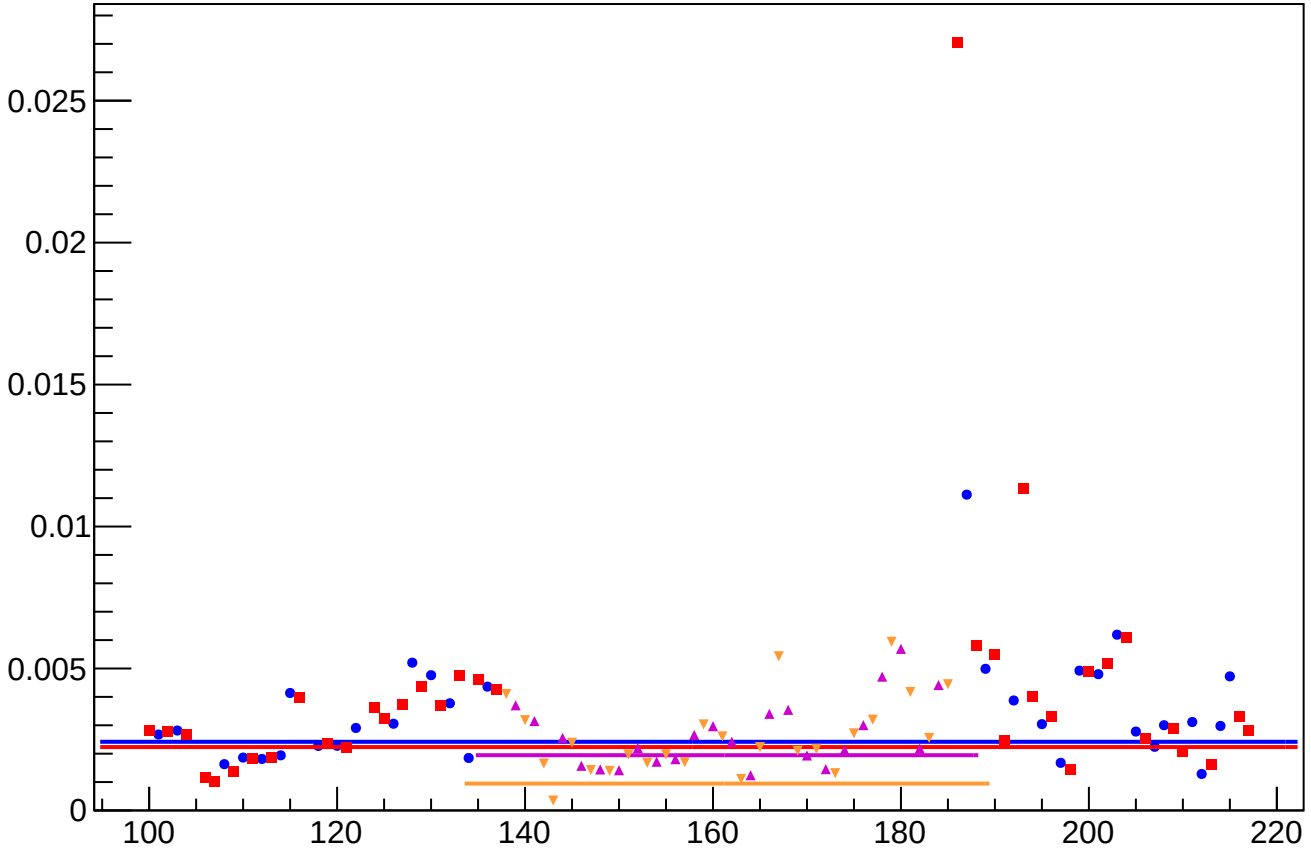
Right: 0.000+/-0.000 χ^2/NDF: 151.6/66

In: 0.000+/-0.000 χ^2/NDF:74.0/53

Out: -0.000+/-0.000 χ^2/NDF:175.1/60

All: -0.000+/-0.000 χ^2/NDF: 254.8/114

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 8784275.4/35

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

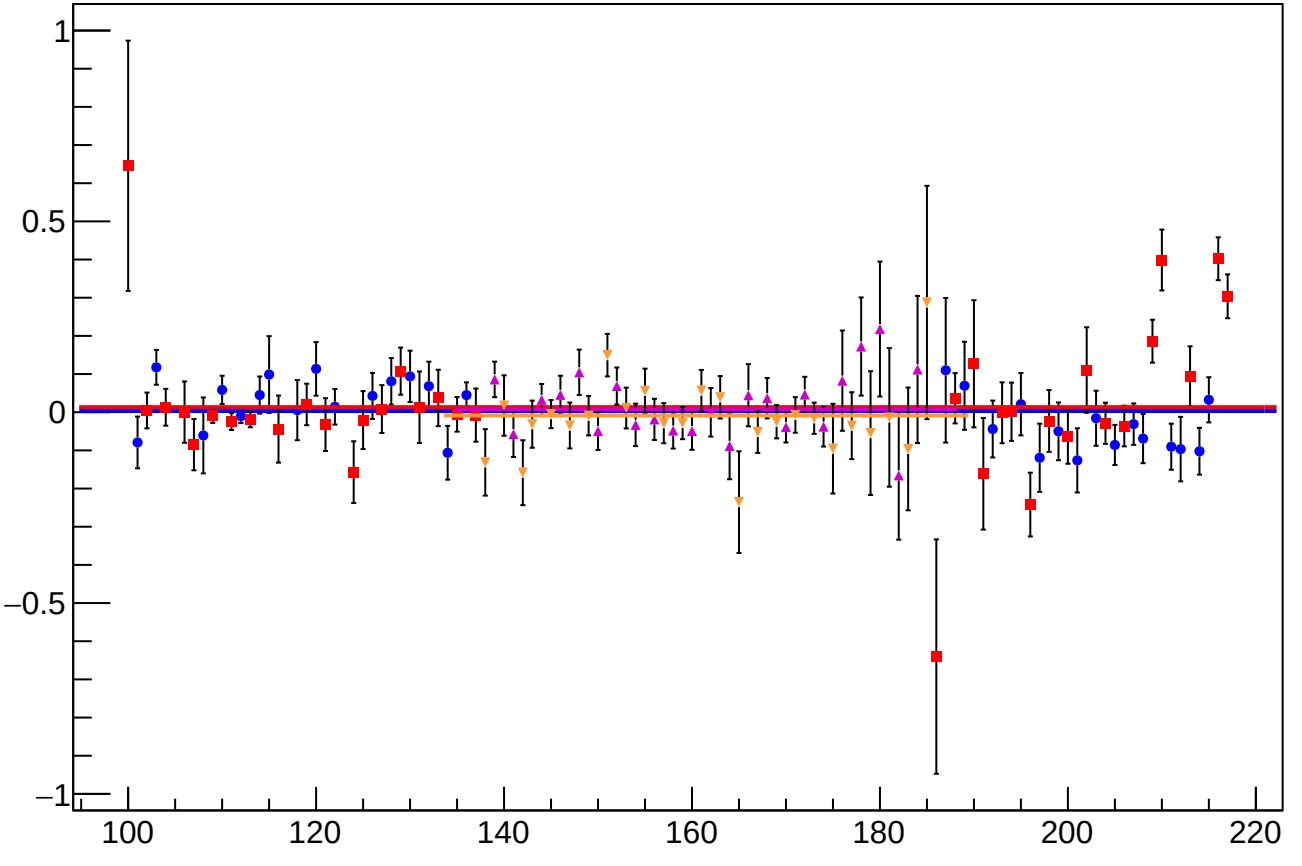
Right: 0.002+/-0.000 χ^2/NDF: 14792293.4/66

In: 0.002+/-0.000 χ^2/NDF:10984492.0/53

Out: 0.001+/-0.000 χ^2/NDF:34403700.9/60

All: 0.002+/-0.000 χ^2/NDF: 52779719.7/114

asym_sam_48_dd_eigen_dit_vs_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: 0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

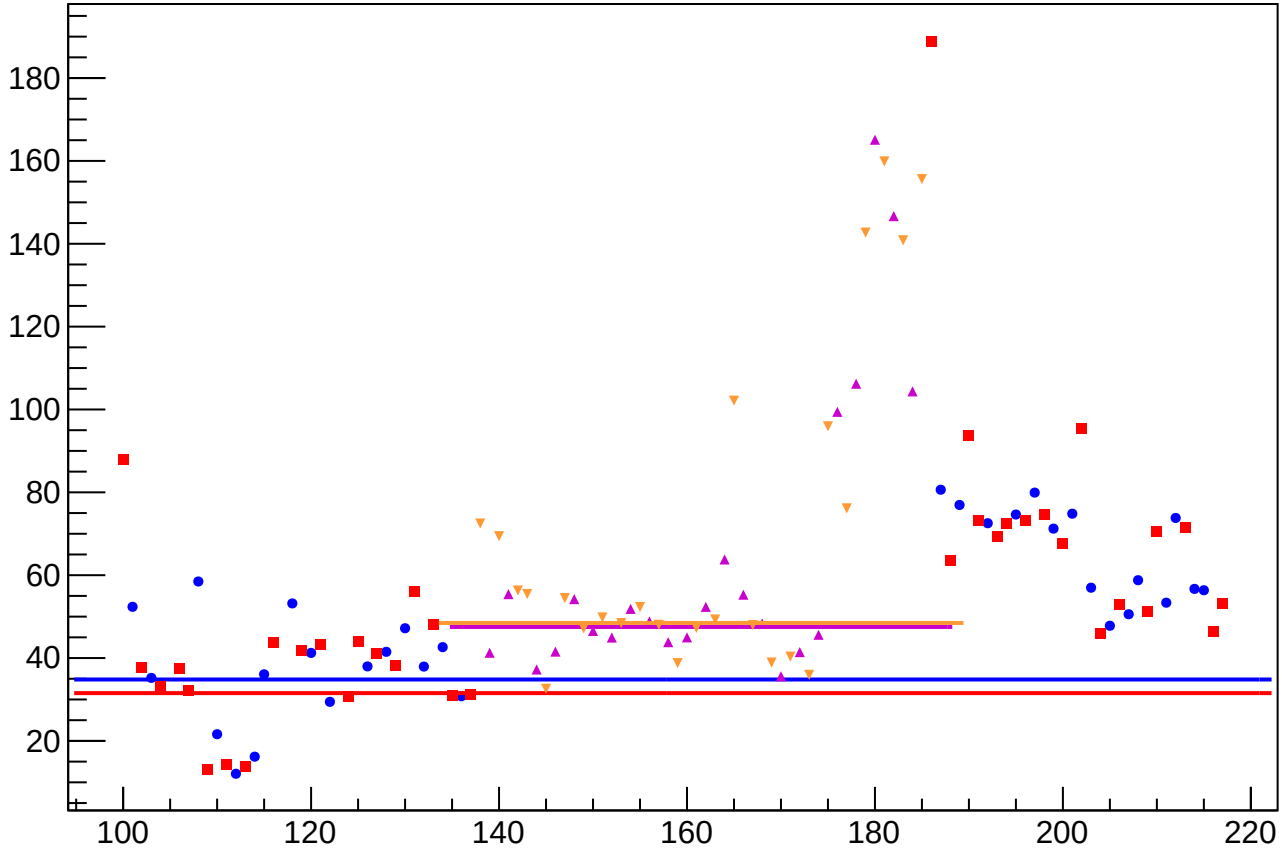
Right: 0.009+/-0.006 χ^2/NDF: 189.2/66

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: 0.006+/-0.007 χ^2/NDF:172.4/60

All: 0.005+/-0.005 χ^2/NDF: 237.2/114

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.822+/-0.007 χ^2/NDF: 9082371.3/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 31.537+/-0.006 χ^2/NDF: 11617139.4/35

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

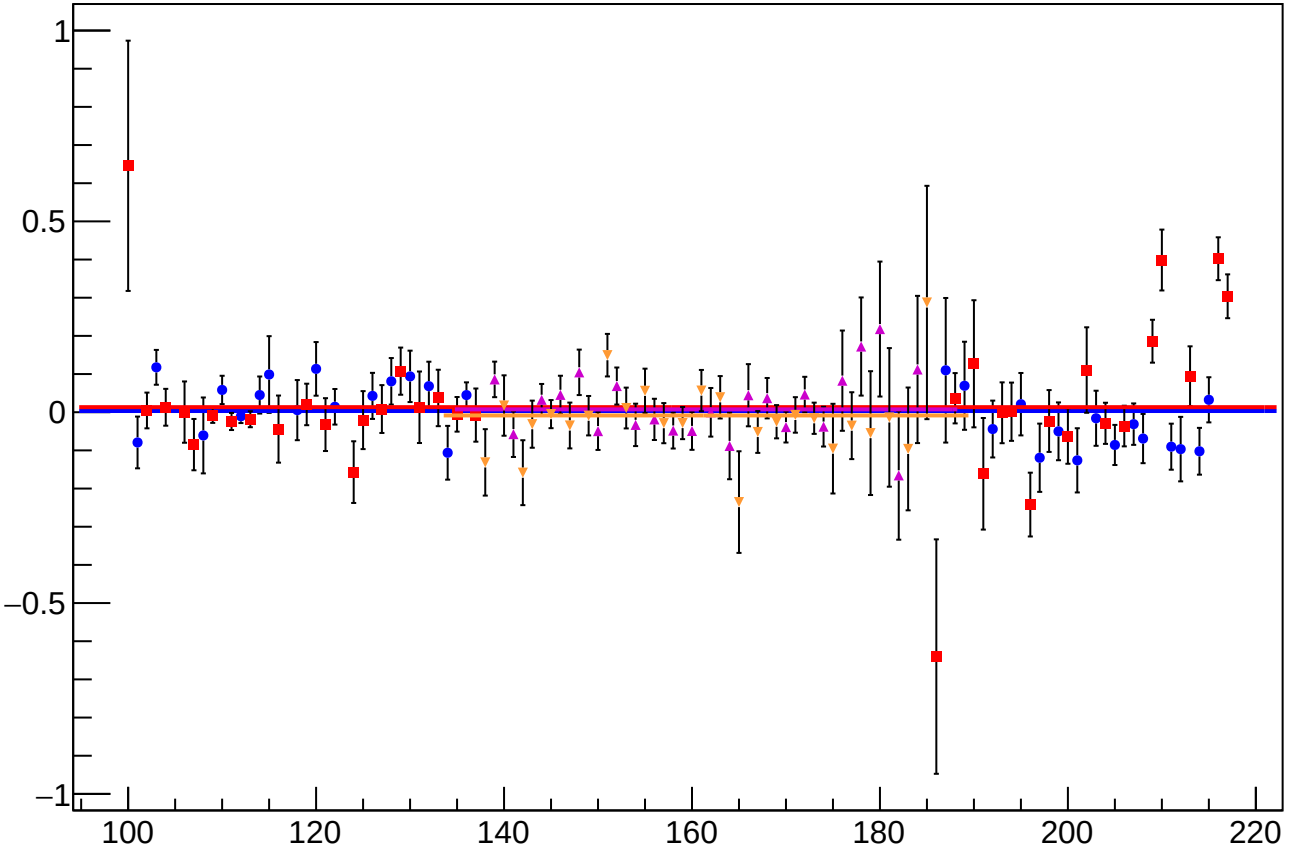
Right: 33.018+/-0.004 χ^2/NDF: 20831576.1/66

In: 39.677+/-0.005 χ^2/NDF:13529014.3/53

Out: 37.262+/-0.005 χ^2/NDF:18624042.5/60

All: 38.392+/-0.004 χ^2/NDF: 32265036.9/114

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: 0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

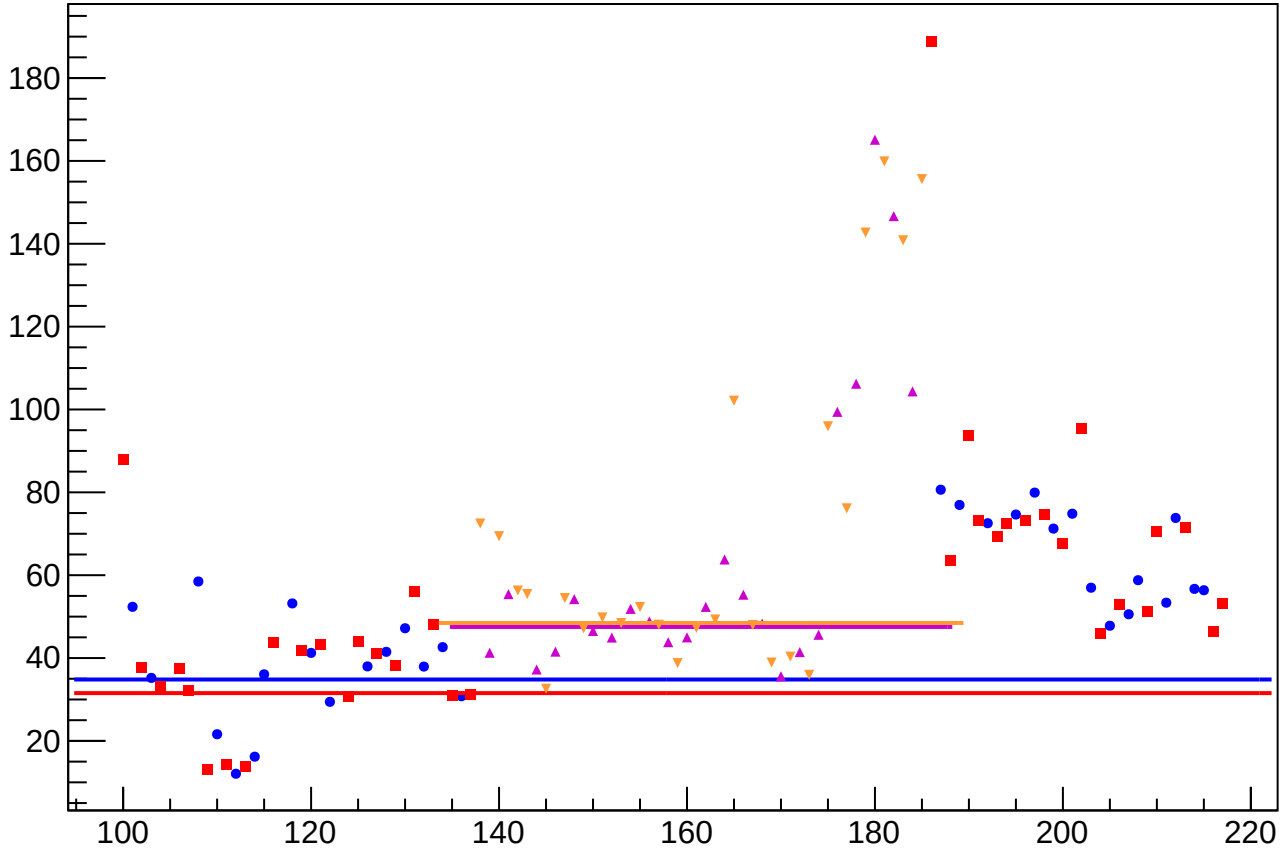
Right: 0.009+/-0.006 χ^2/NDF: 189.2/66

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: 0.006+/-0.007 χ^2/NDF:172.4/60

All: 0.005+/-0.005 χ^2/NDF: 237.2/114

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: 31.537+/-0.006 χ^2/NDF: 11617139.4/35

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

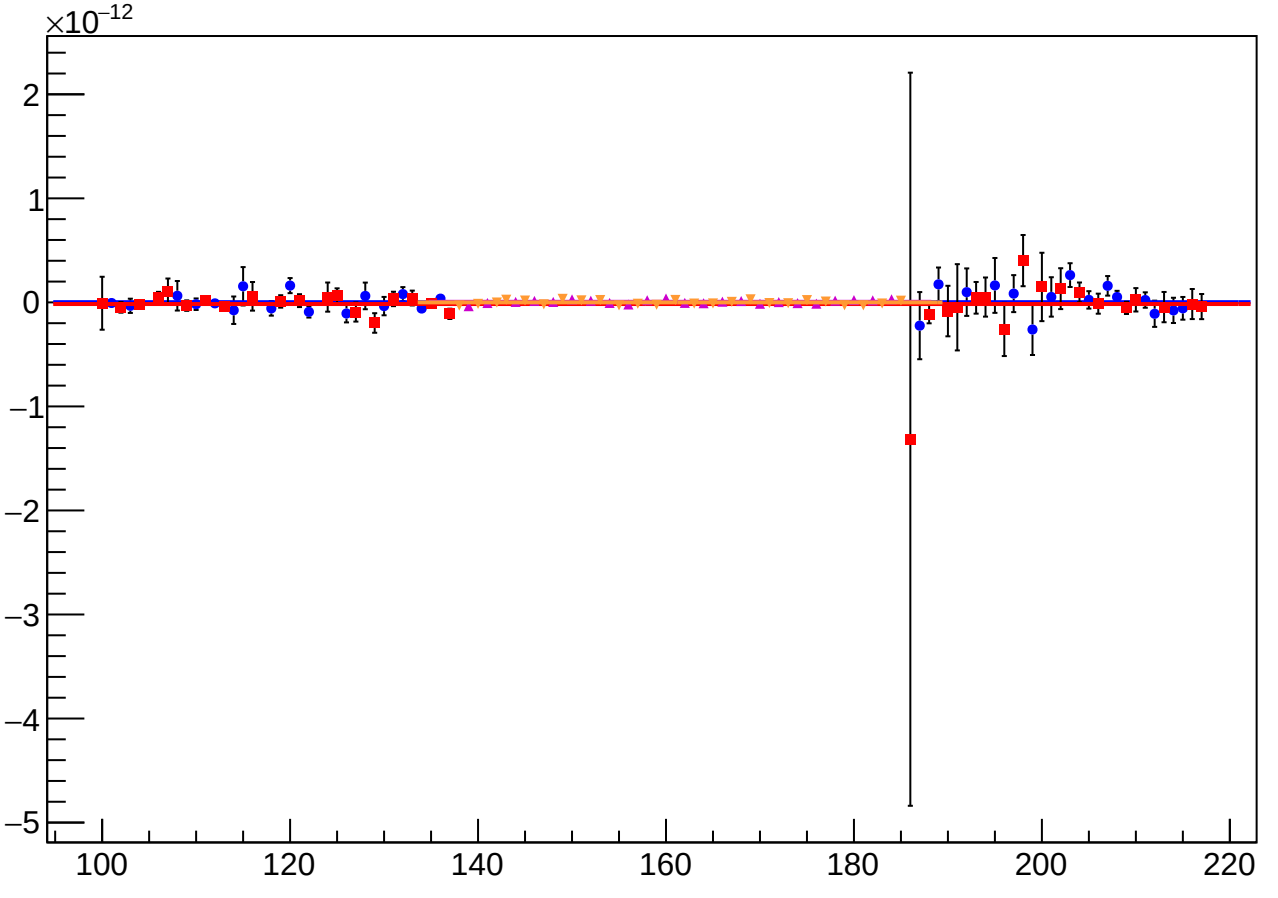
Right: 33.018+/-0.004 χ^2/NDF: 20831576.1/66

In: 39.677+/-0.005 χ^2/NDF:13529014.3/53

Out: 37.262+/-0.005 χ^2/NDF:18624042.5/60

All: 38.392+/-0.004 χ^2/NDF: 32265036.9/114

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/35

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

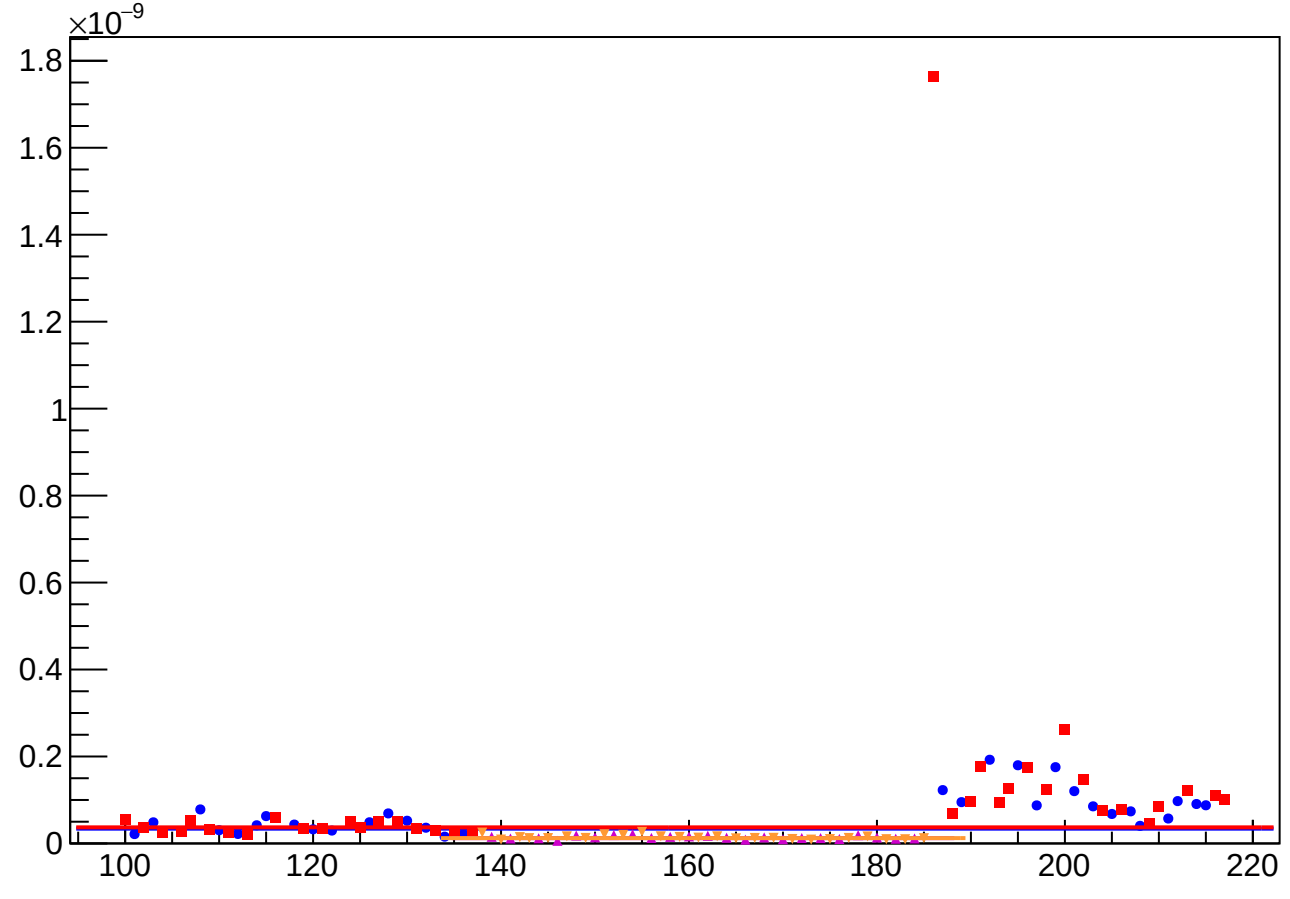
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 57.5/66

In: 0.000+/-0.000 χ^2/NDF:52.3/53

Out: -0.000+/-0.000 χ^2/NDF:56.2/60

All: 0.000+/-0.000 χ^2/NDF: 110.3/114



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: 8706212.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

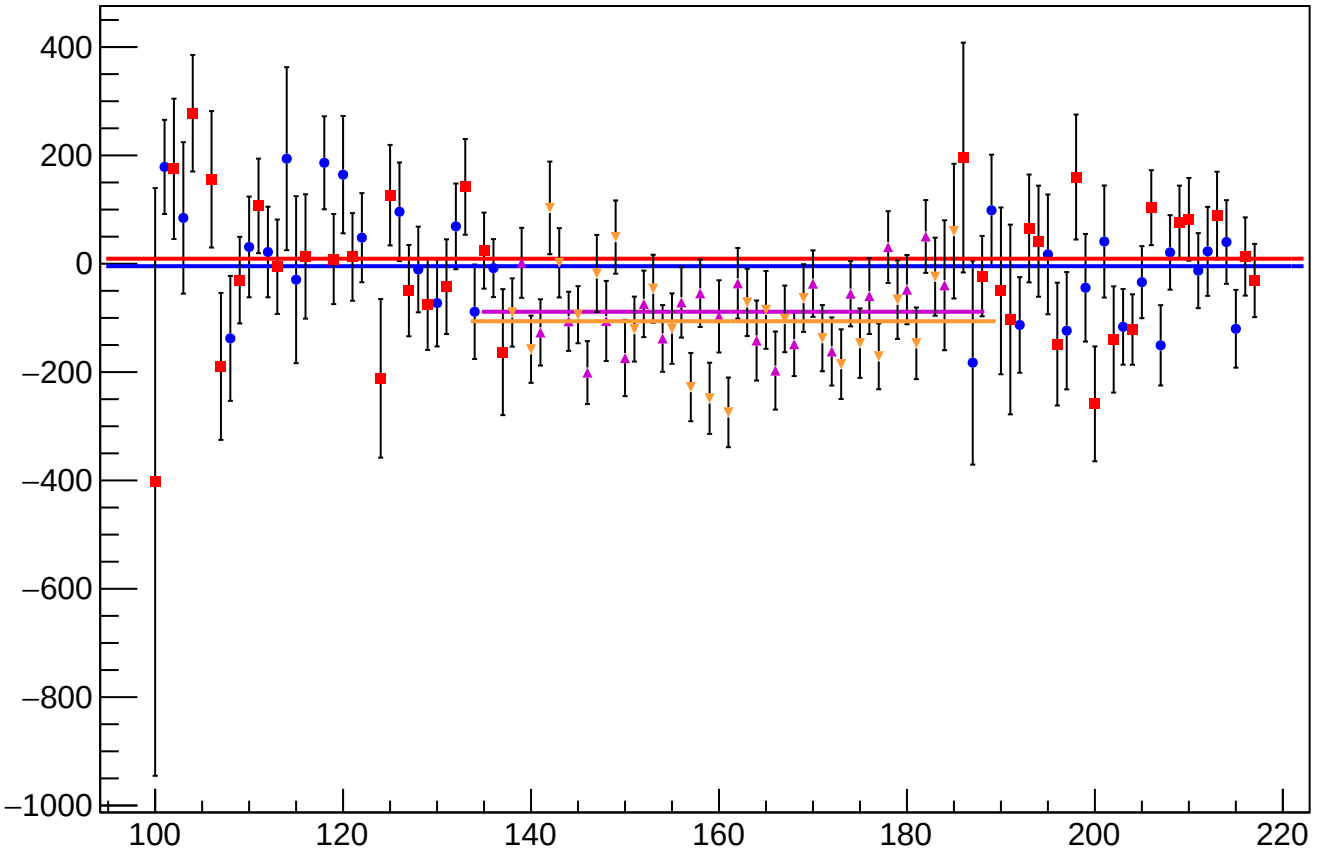
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17165900.5/66

In: 0.000+/-0.000 χ^2/NDF:16729164.0/53

Out: 0.000+/-0.000 χ^2/NDF:18211285.4/60

All: 0.000+/-0.000 χ^2/NDF: 34940468.1/114



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: 9.304+/-15.315 χ^2/NDF: 47.1/35

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

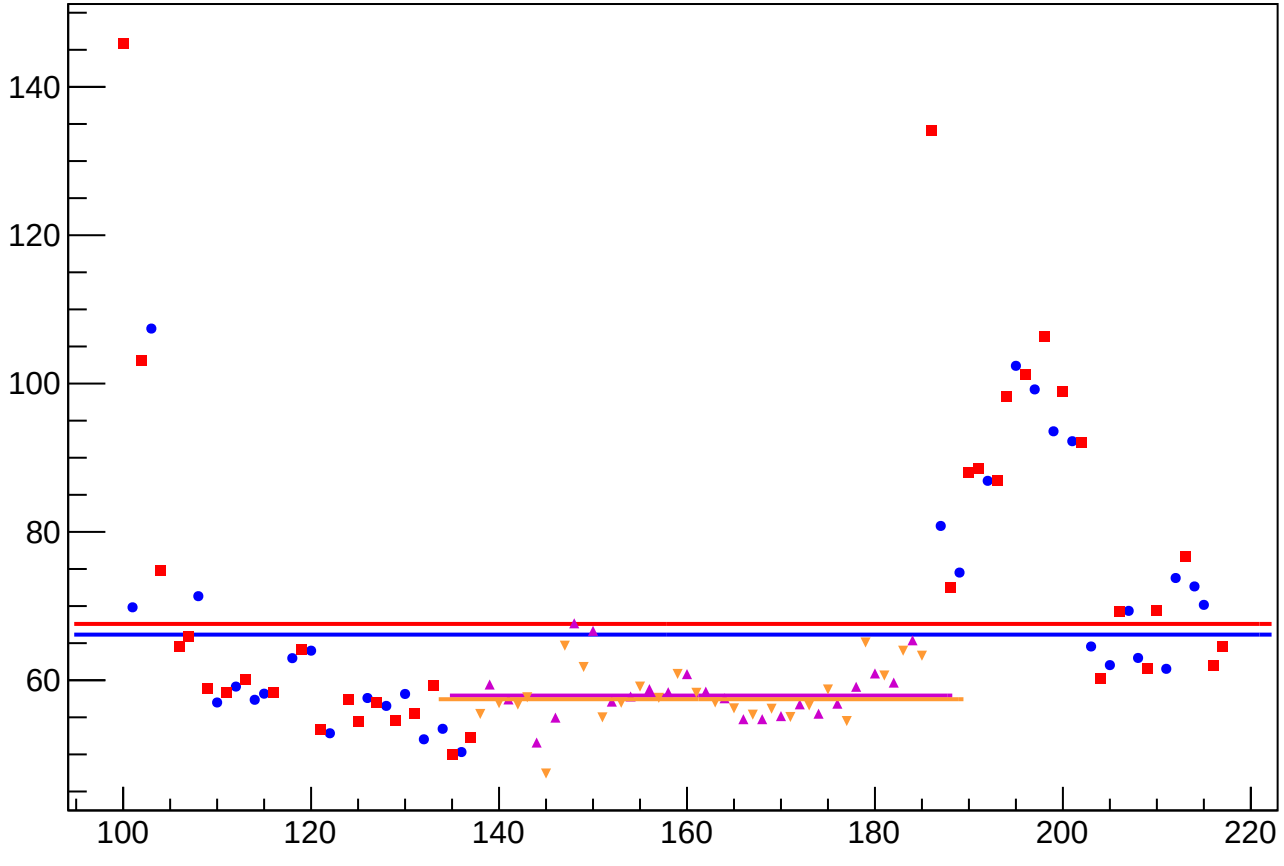
Right: 2.440+/-10.871 χ^2/NDF: 81.8/66

In: -51.970+/-10.190 χ^2/NDF:74.9/53

Out: -57.386+/-9.950 χ^2/NDF:120.6/60

All: -54.743+/-7.119 χ^2/NDF: 195.6/114

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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: 67.593+/-0.011 χ^2/NDF: 1998358.2/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

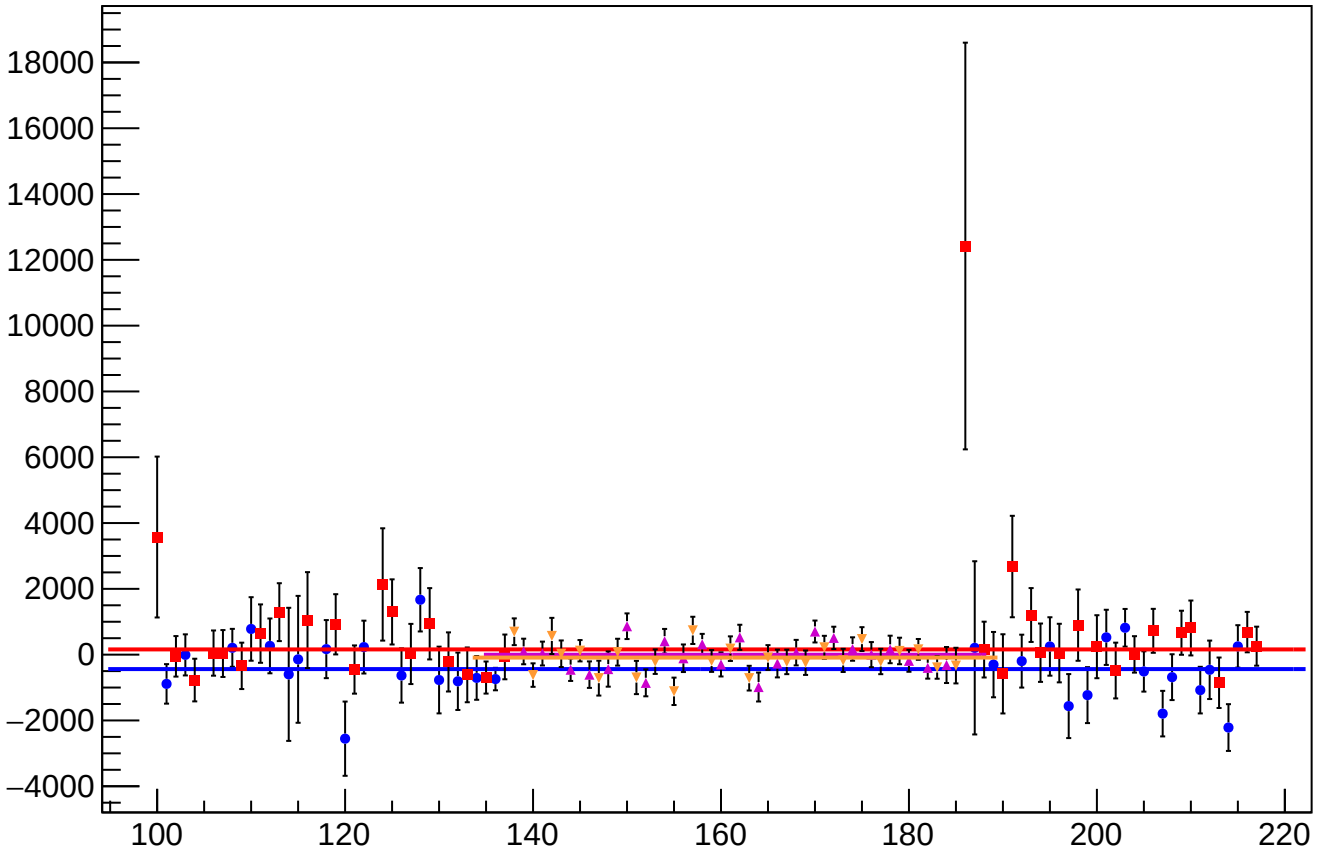
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.877+/-0.008 χ^2/NDF: 3517317.3/66

In: 61.515+/-0.007 χ^2/NDF:1965955.0/53

Out: 61.726+/-0.007 χ^2/NDF:2680813.1/60

All: 61.623+/-0.005 χ^2/NDF: 4647207.6/114



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: 159.141+/-133.532 χ^2/NDF: 30.0/35

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

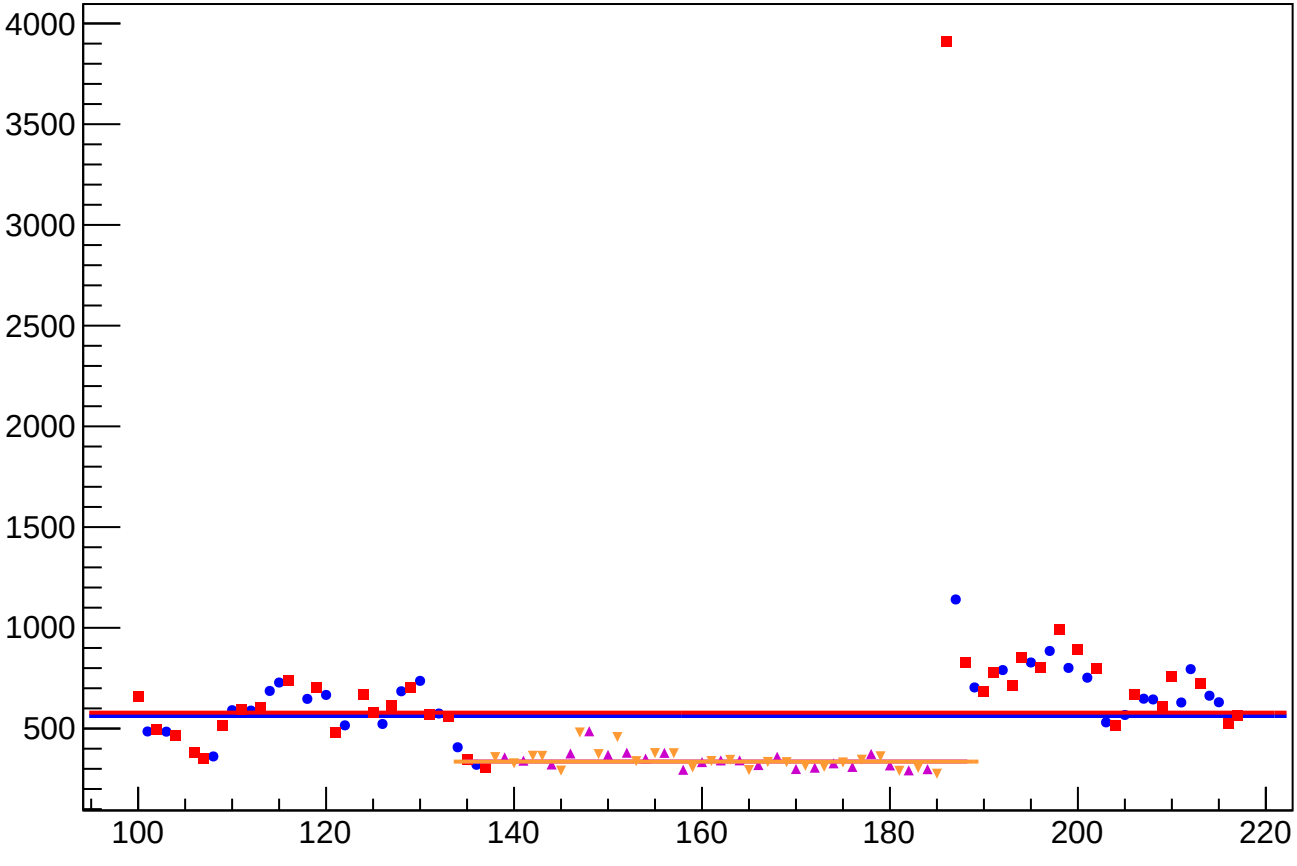
Right: -139.605+/-94.450 χ^2/NDF: 76.7/66

In: -116.307+/-68.126 χ^2/NDF:78.1/53

Out: -27.110+/-66.712 χ^2/NDF:62.5/60

All: -70.773+/-47.664 χ^2/NDF: 141.5/114

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



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: 578.949+/-0.094 χ^2/NDF: 3456122.7/35

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

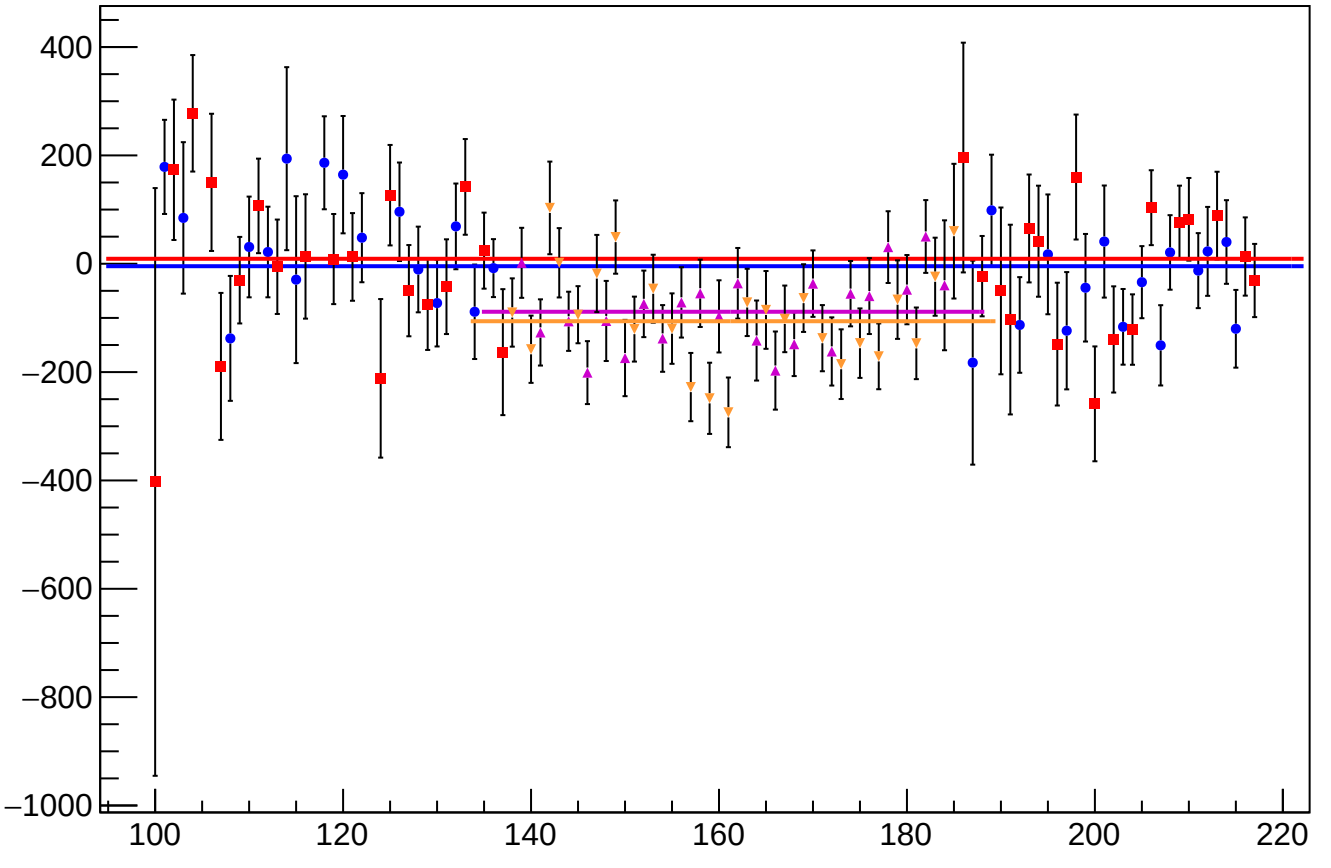
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 570.601+/-0.067 χ^2/NDF: 6298739.5/66

In: 395.071+/-0.048 χ^2/NDF:7471881.5/53

Out: 396.559+/-0.047 χ^2/NDF:8962335.6/60

All: 395.830+/-0.034 χ^2/NDF: 16434704.5/11



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: 9.171+/-15.316 χ^2/NDF: 47.0/35

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

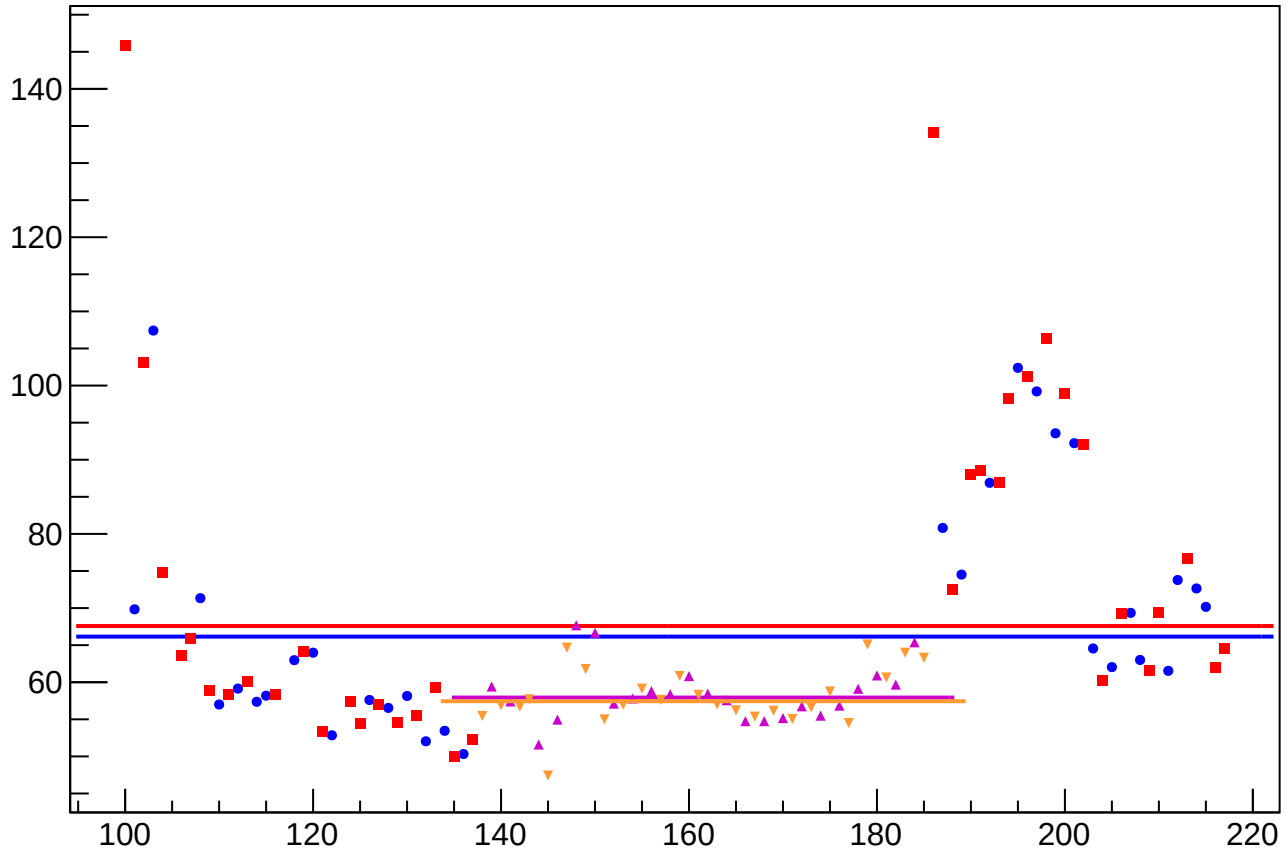
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 2.370+/-10.872 χ^2/NDF: 81.6/66

In: -51.973+/-10.190 χ^2/NDF:74.9/53

Out: -57.448+/-9.951 χ^2/NDF:120.4/60

All: -54.775+/-7.119 χ^2/NDF: 195.4/114



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: 67.579+/-0.011 χ^2/NDF: 1999417.3/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

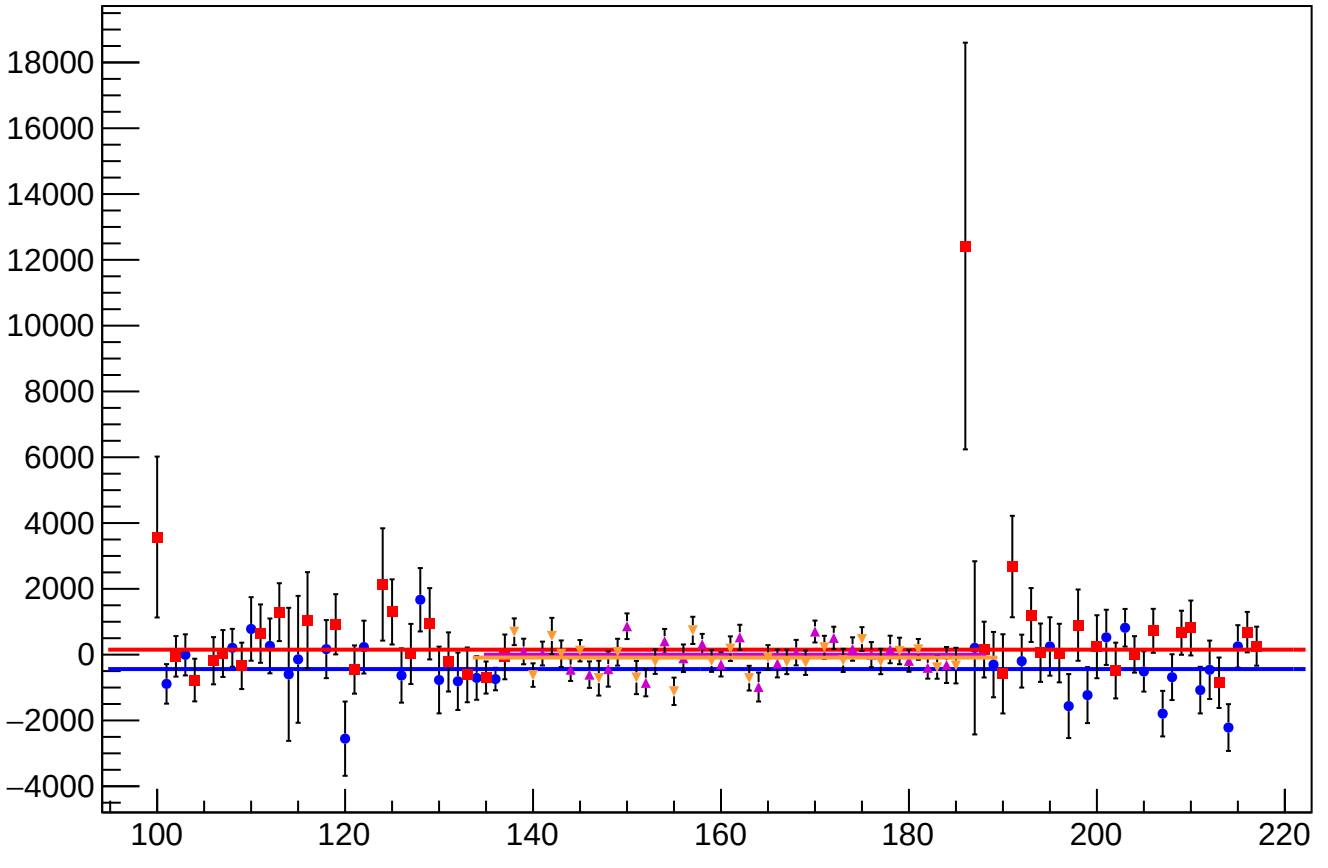
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.870+/-0.008 χ^2/NDF: 3518210.2/66

In: 61.515+/-0.007 χ^2/NDF:1965957.0/53

Out: 61.719+/-0.007 χ^2/NDF:2680442.3/60

All: 61.619+/-0.005 χ^2/NDF: 4646813.3/114



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: 151.437+/-133.751 χ^2/NDF: 30.2/35

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

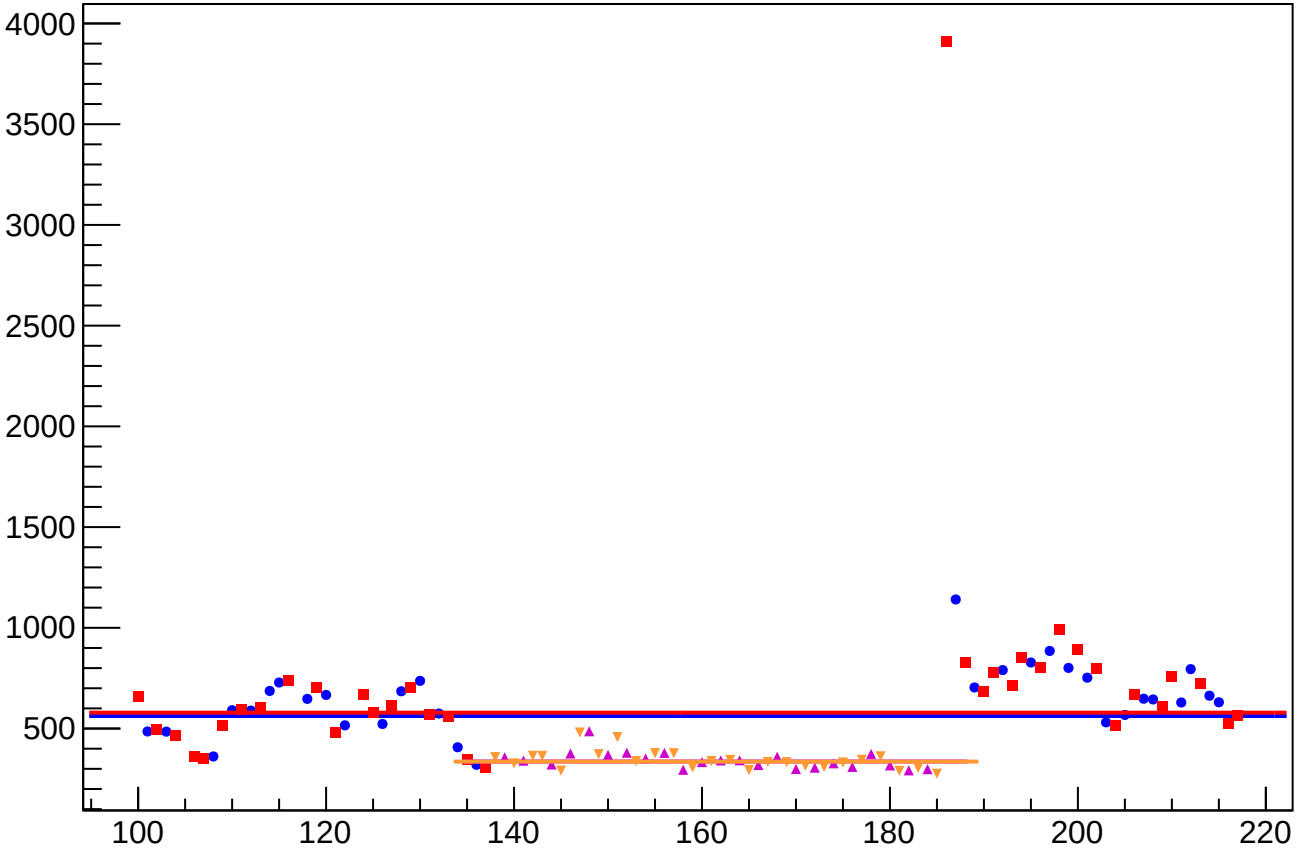
Right: -143.934+/-94.528 χ^2/NDF: 76.6/66

In: -116.304+/-68.126 χ^2/NDF:78.1/53

Out: -29.182+/-66.739 χ^2/NDF:62.6/60

All: -71.847+/-47.674 χ^2/NDF: 141.5/114

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: 578.882+/-0.095 χ^2/NDF: 3475497.6/35

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

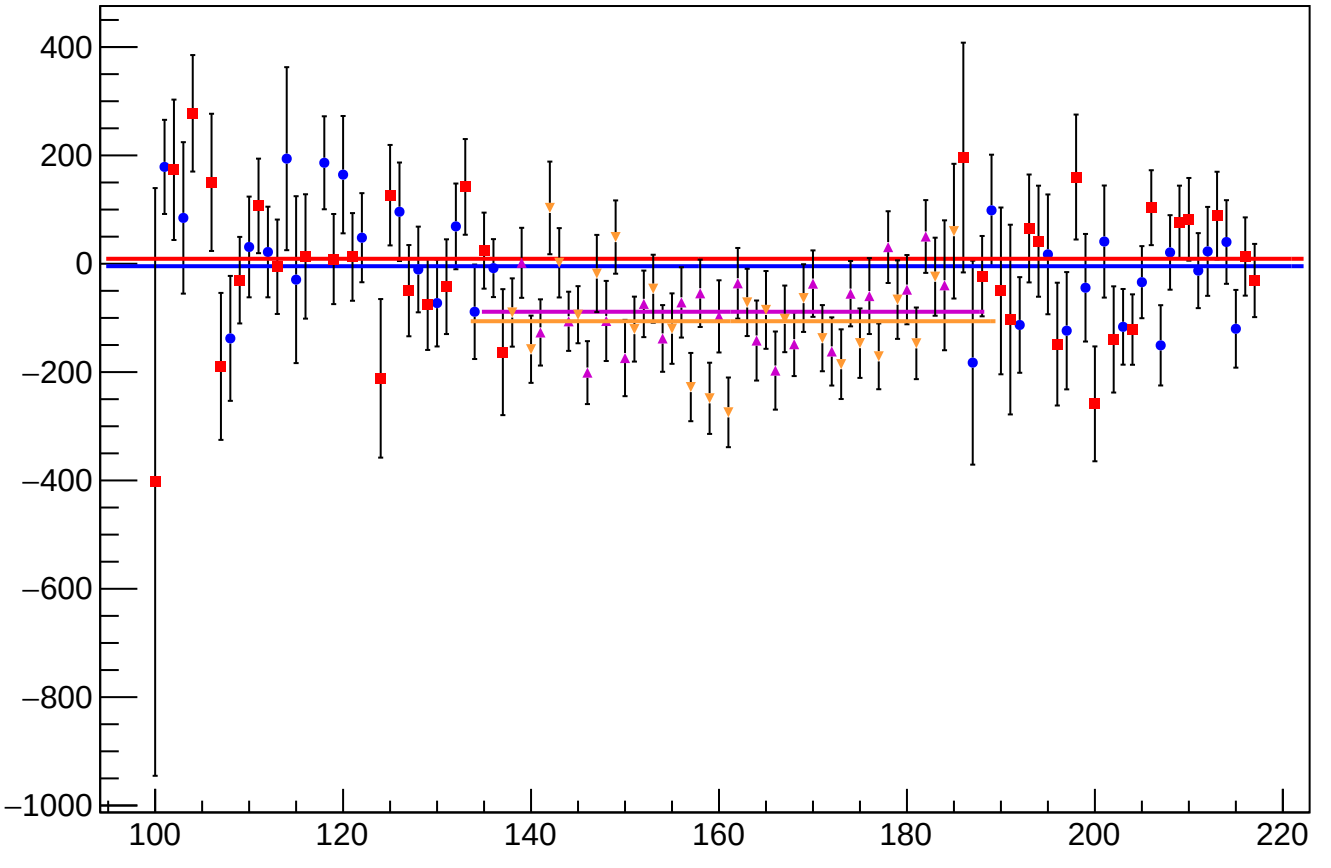
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 570.555+/-0.067 χ^2/NDF: 6317924.6/66

In: 395.071+/-0.048 χ^2/NDF:7471910.4/53

Out: 396.393+/-0.047 χ^2/NDF:8966754.5/60

All: 395.746+/-0.034 χ^2/NDF: 16439049.6/1



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: 9.171+/-15.316 χ^2/NDF: 47.0/35

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

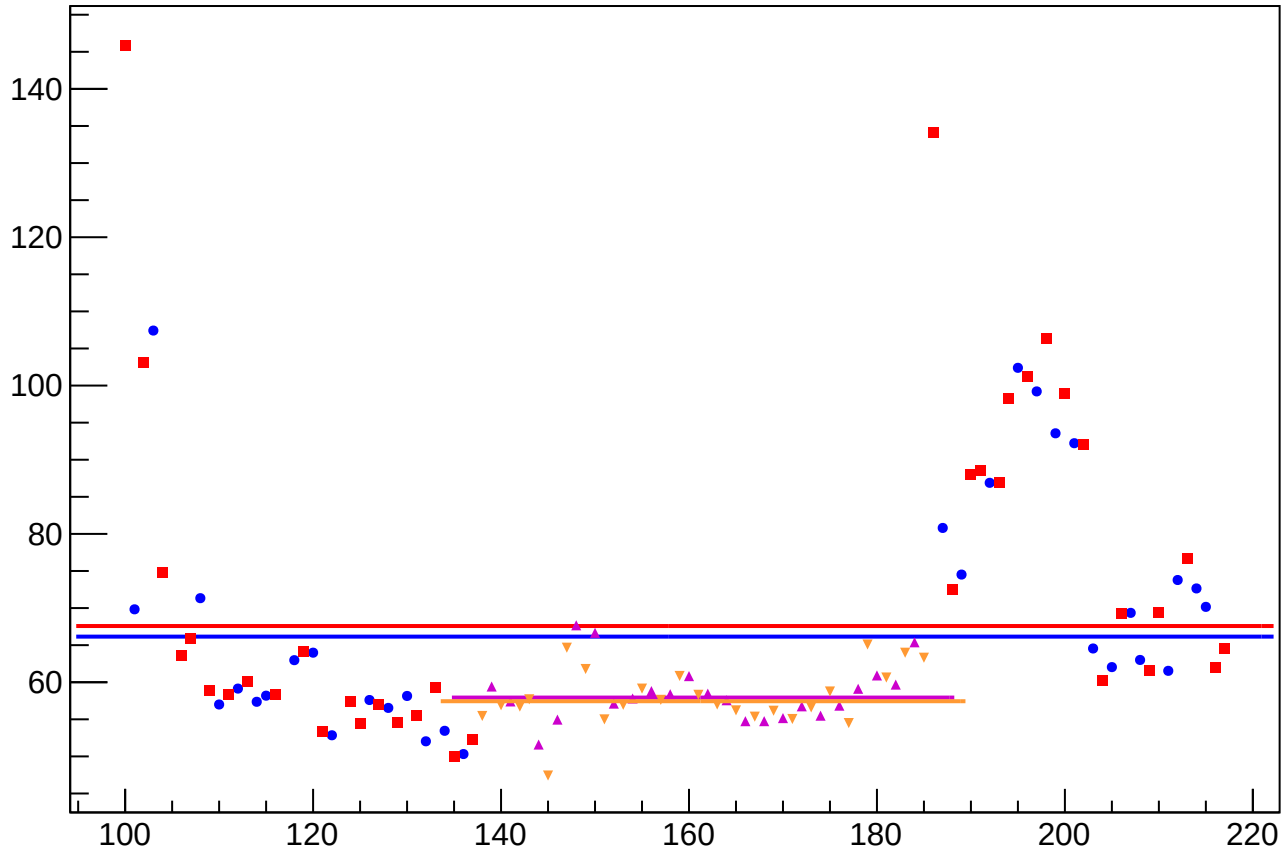
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 2.370+/-10.872 χ^2/NDF: 81.6/66

In: -51.973+/-10.190 χ^2/NDF:74.9/53

Out: -57.448+/-9.951 χ^2/NDF:120.4/60

All: -54.775+/-7.119 χ^2/NDF: 195.4/114



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: 67.579+/-0.011 χ^2/NDF: 1999417.3/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

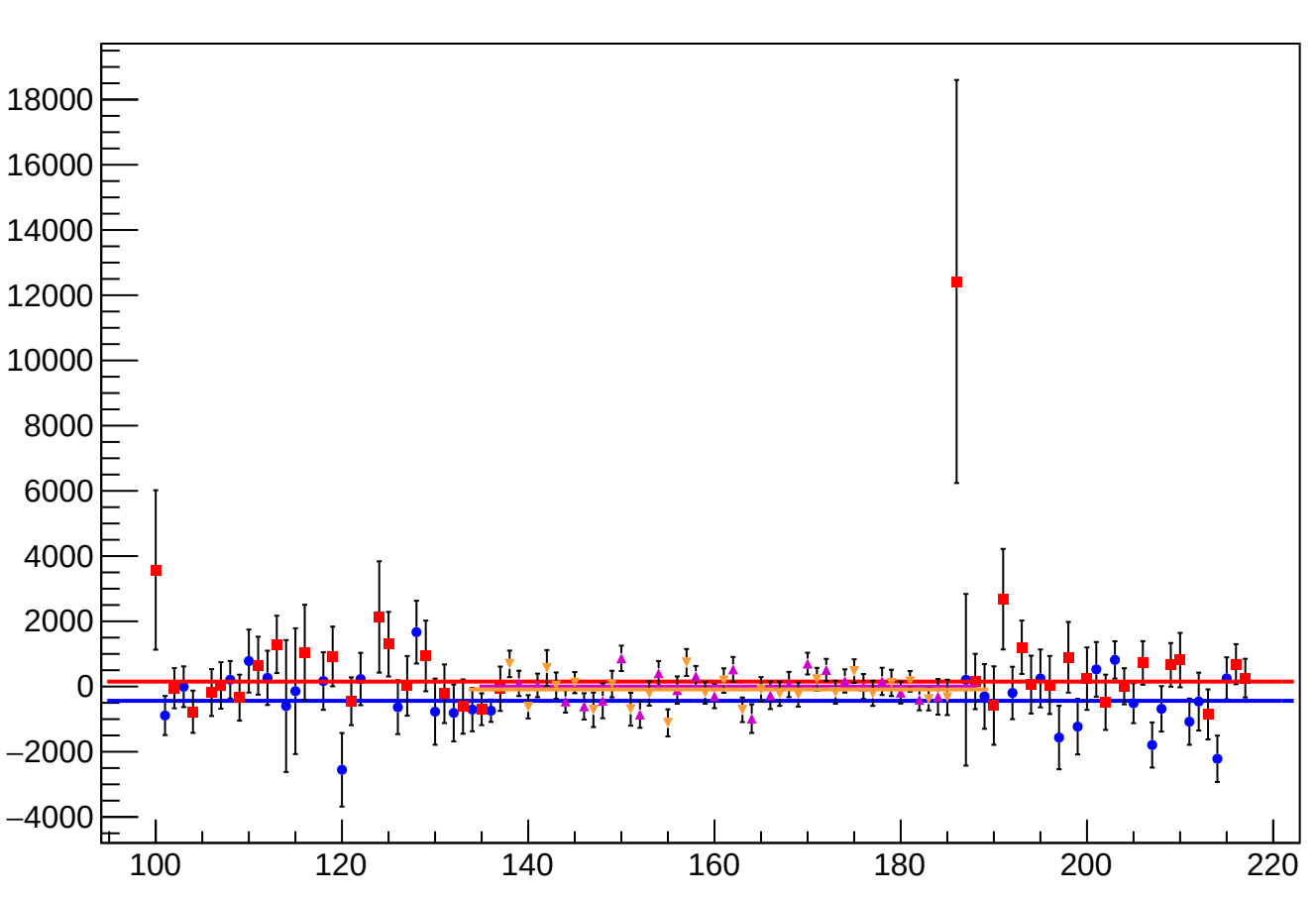
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.870+/-0.008 χ^2/NDF: 3518210.2/66

In: 61.515+/-0.007 χ^2/NDF:1965957.0/53

Out: 61.719+/-0.007 χ^2/NDF:2680442.3/60

All: 61.619+/-0.005 χ^2/NDF: 4646813.3/114



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: 151.437+/-133.751 χ^2/NDF: 30.2/35

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

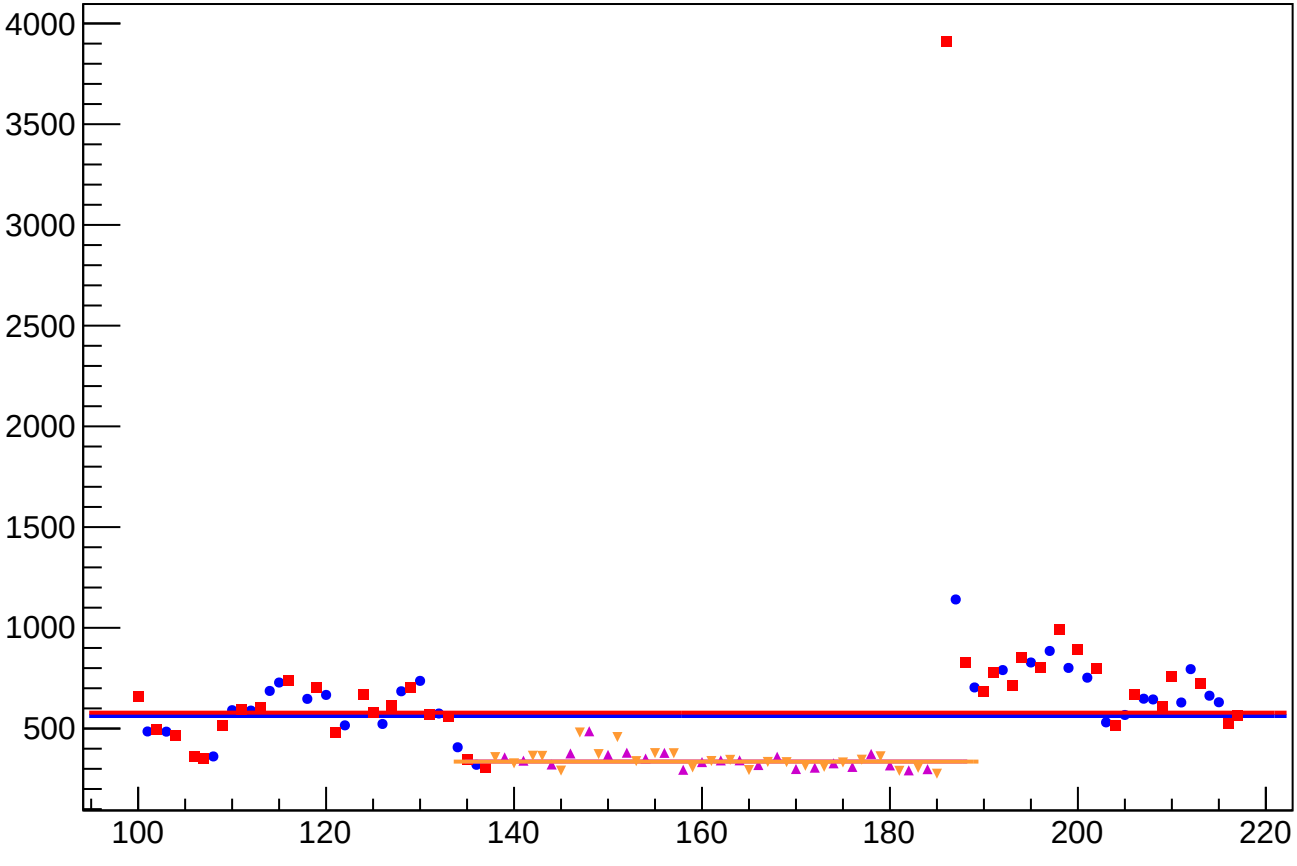
Right: -143.934+/-94.528 χ^2/NDF: 76.6/66

In: -116.304+/-68.126 χ^2/NDF:78.1/53

Out: -29.182+/-66.739 χ^2/NDF:62.6/60

All: -71.847+/-47.674 χ^2/NDF: 141.5/114

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: 578.882+/-0.095 χ^2/NDF: 3475497.6/35

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

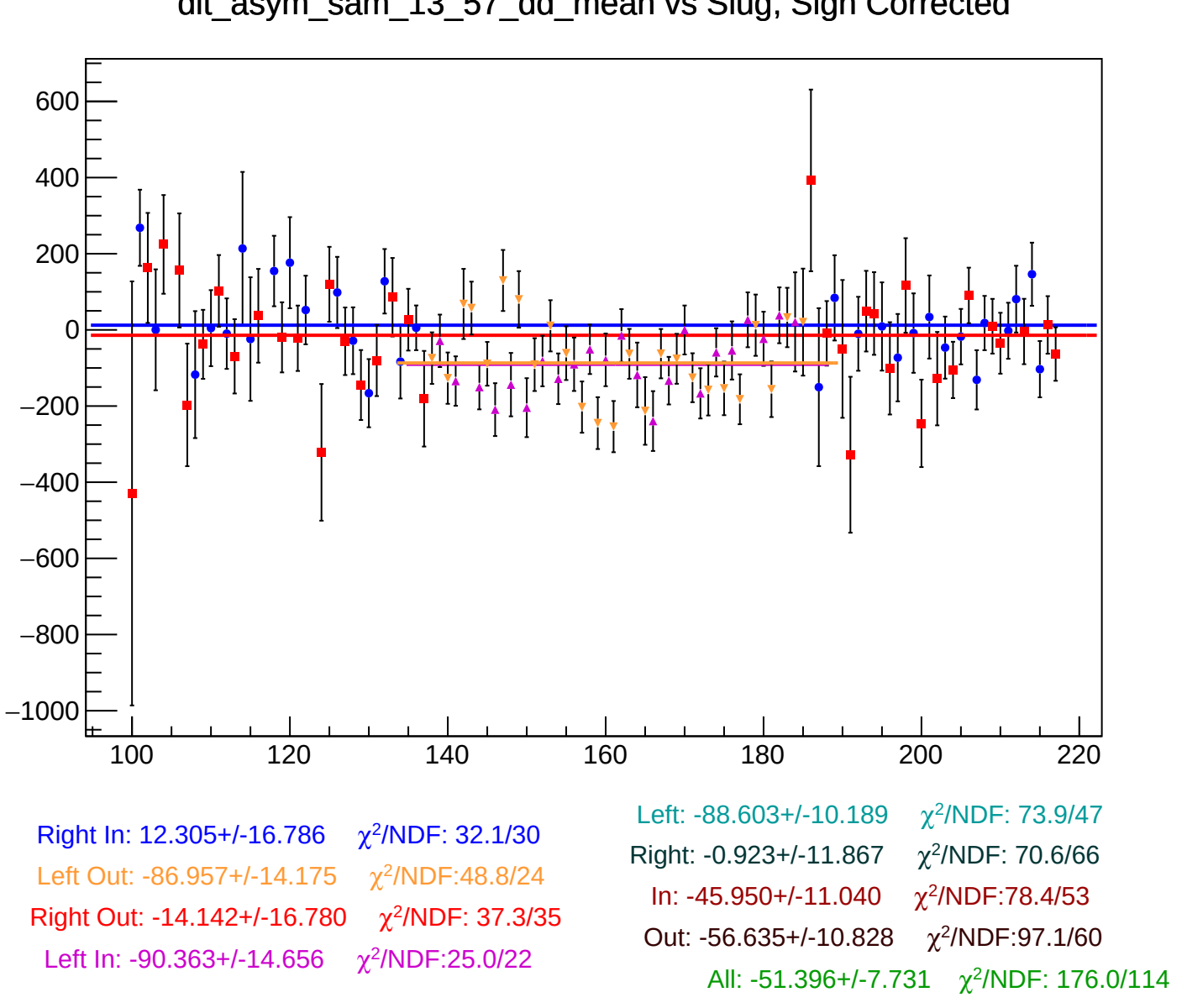
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

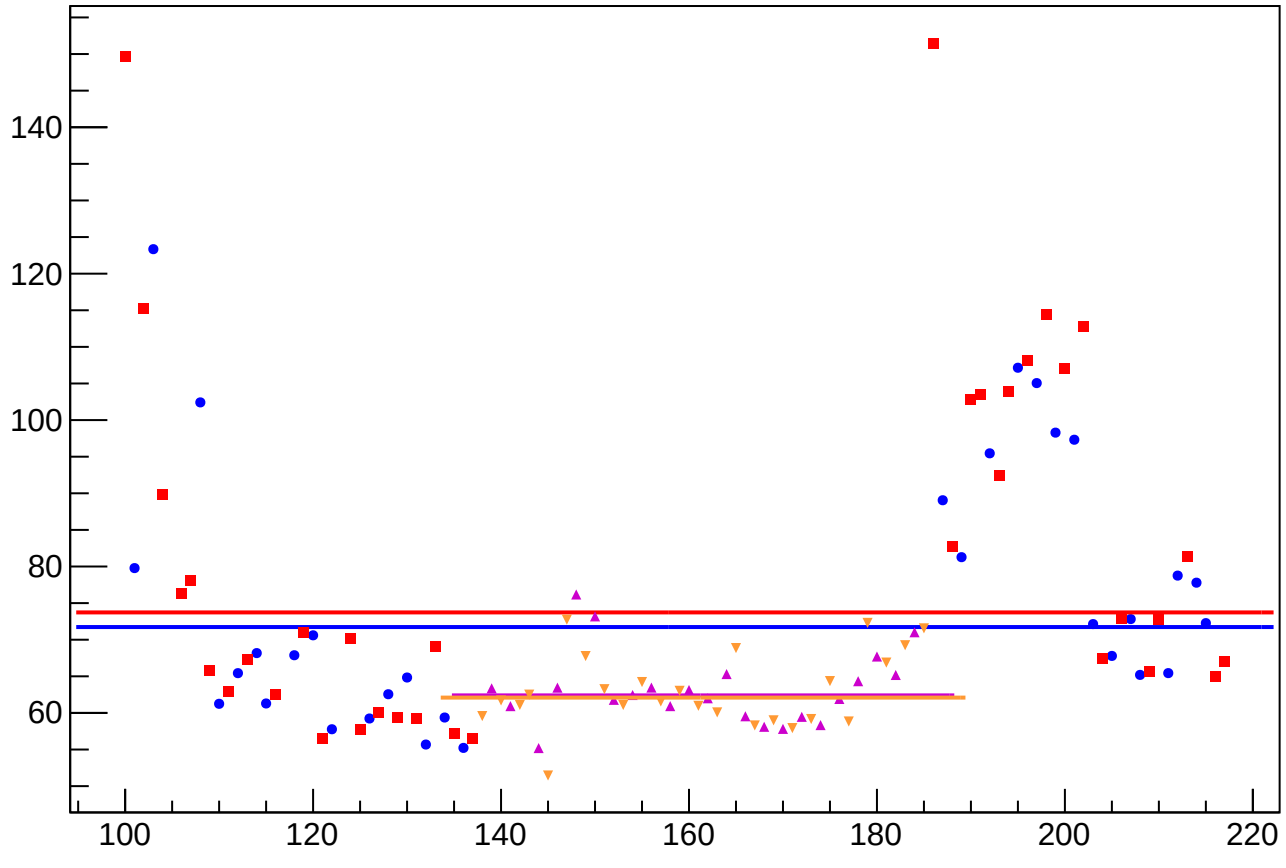
Right: 570.555+/-0.067 χ^2/NDF: 6317924.6/66

In: 395.071+/-0.048 χ^2/NDF:7471910.4/53

Out: 396.393+/-0.047 χ^2/NDF:8966754.5/60

All: 395.746+/-0.034 χ^2/NDF: 16439049.6/1


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: 12.305+/-16.786 χ²/NDF: 32.1/30
Left Out: -86.957+/-14.175 χ²/NDF:48.8/24
Right Out: -14.142+/-16.780 χ²/NDF: 37.3/35
Left In: -90.363+/-14.656 χ²/NDF:25.0/22
Left: -88.603+/-10.189 χ²/NDF: 73.9/47
Right: -0.923+/-11.867 χ²/NDF: 70.6/66
In: -45.950+/-11.040 χ²/NDF:78.4/53
Out: -56.635+/-10.828 χ²/NDF:97.1/60
All: -51.396+/-7.731 χ²/NDF: 176.0/114



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: 73.729+/-0.012 χ^2/NDF: 2103389.8/35

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

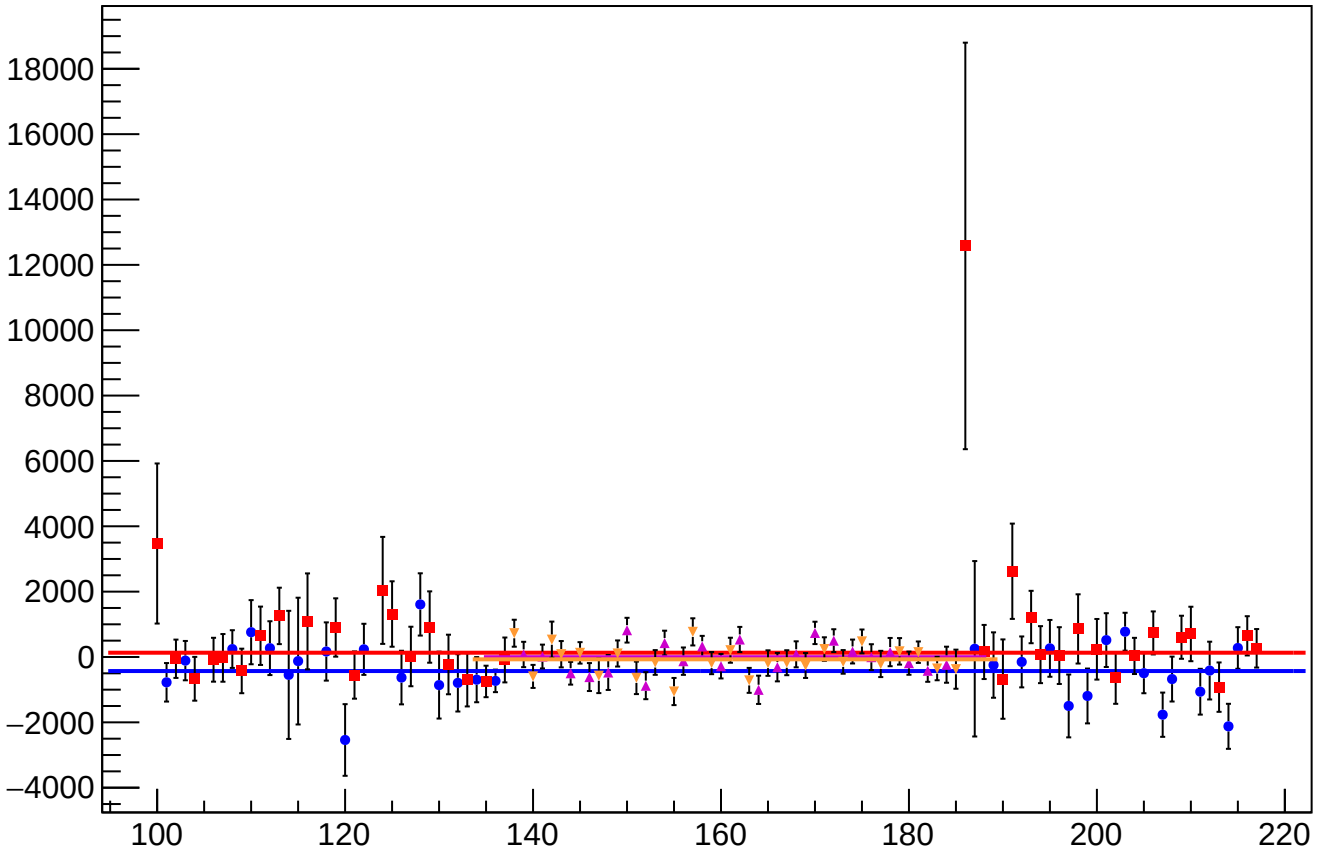
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 72.730+/-0.008 χ^2/NDF: 3637498.3/66

In: 66.433+/-0.008 χ^2/NDF:2059719.8/53

Out: 66.939+/-0.008 χ^2/NDF:2897949.1/60

All: 66.691+/-0.005 χ^2/NDF: 4959803.7/114



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: 130.776+/-131.842 χ^2/NDF: 31.5/35

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

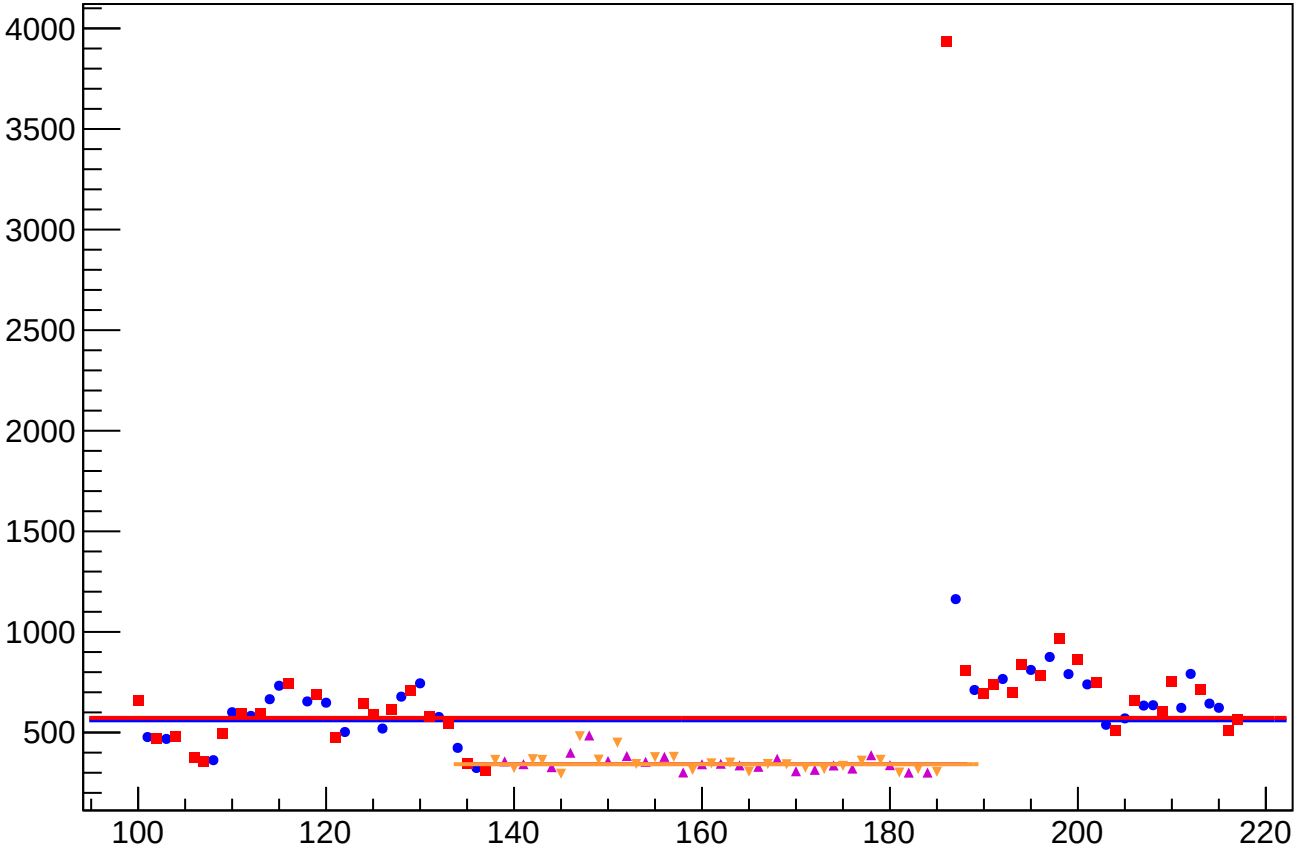
Right: -147.573+/-93.581 χ^2/NDF: 76.1/66

In: -120.559+/-69.009 χ^2/NDF:77.1/53

Out: -18.529+/-67.385 χ^2/NDF:61.8/60

All: -68.330+/-48.213 χ^2/NDF: 140.0/114

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



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: 572.714+/-0.093 χ^2/NDF: 3323506.4/35

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

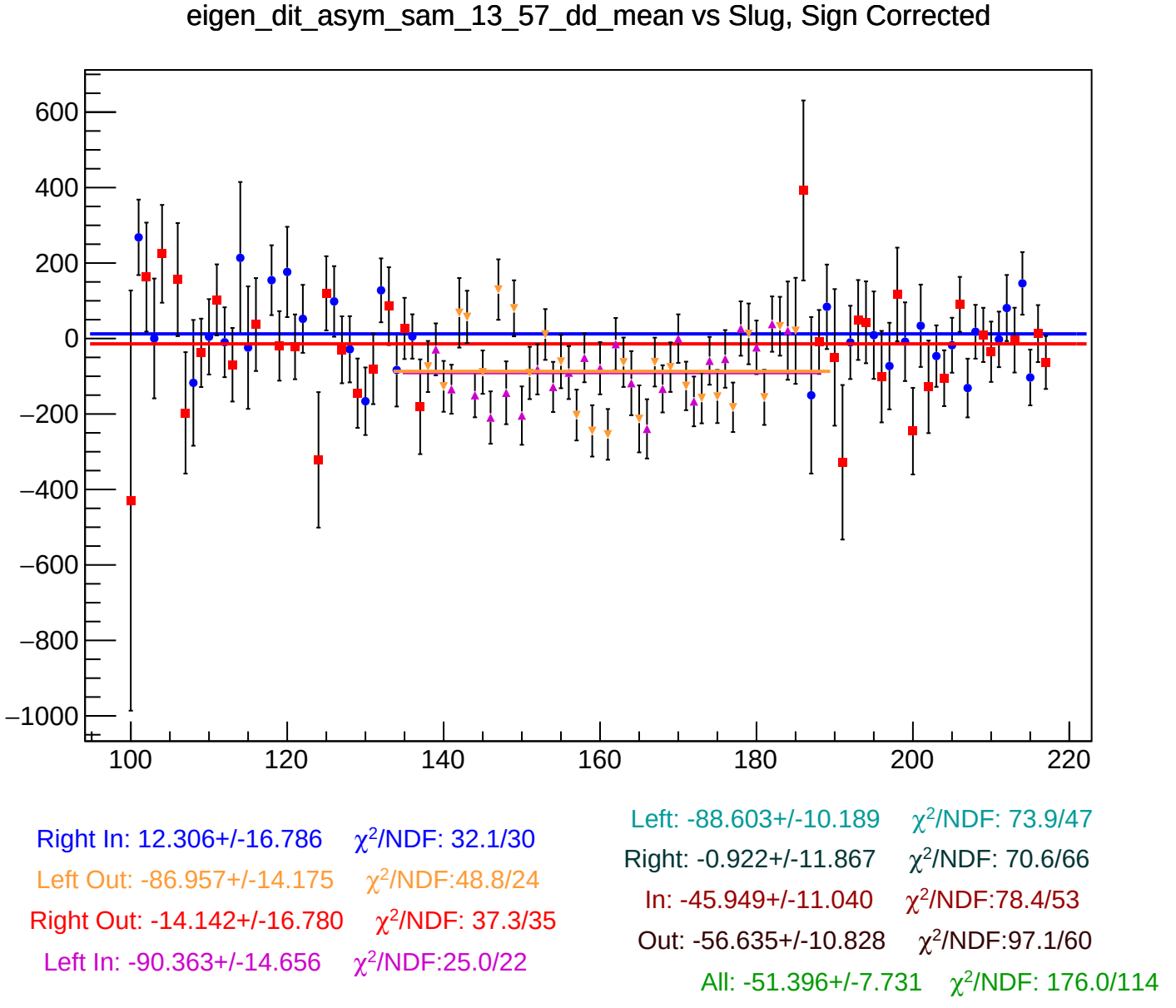
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

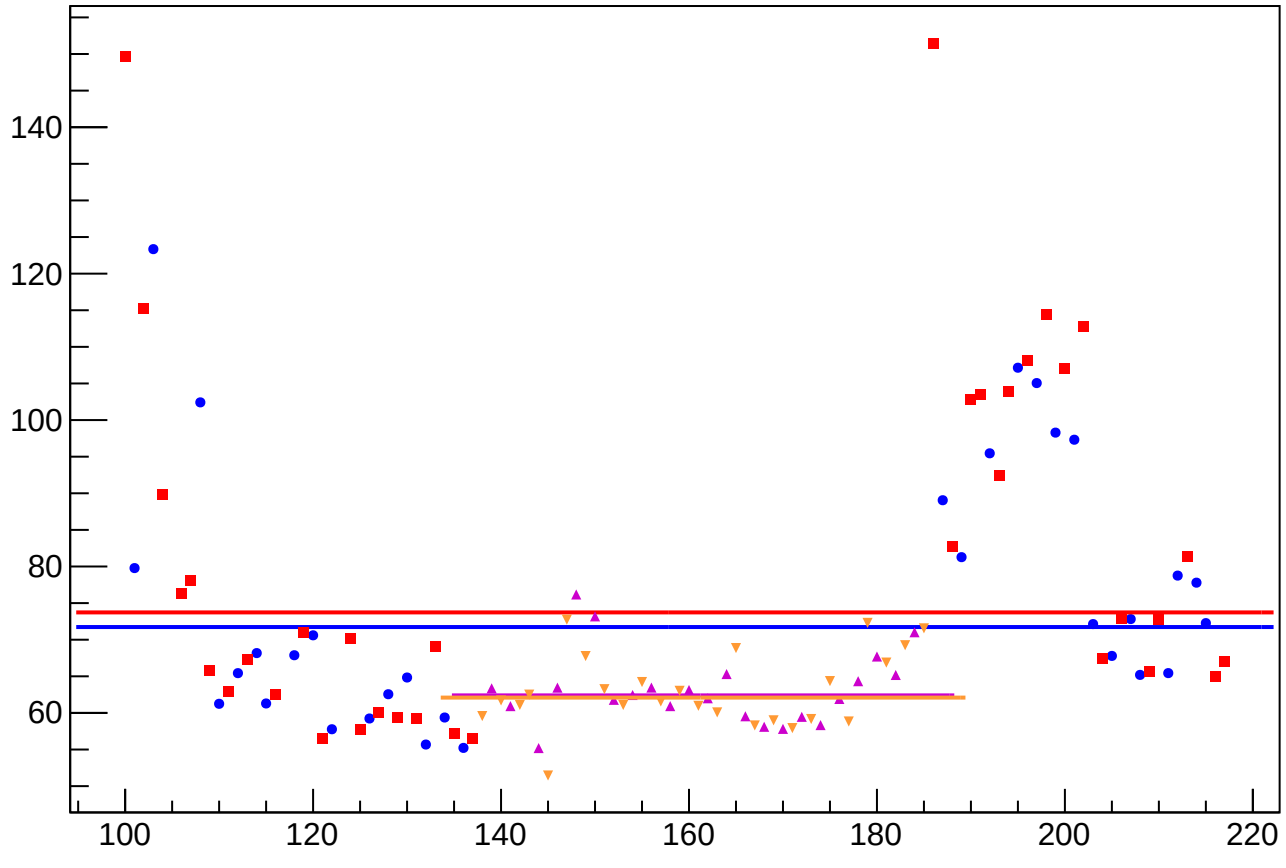
Right: 566.753+/-0.066 χ^2/NDF: 6009656.6/66

In: 401.921+/-0.049 χ^2/NDF:6963583.6/53

Out: 402.641+/-0.048 χ^2/NDF:8262608.0/60

All: 402.290+/-0.034 χ^2/NDF: 15226302.8/11


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: -14.142+/-16.780 χ²/NDF: 37.3/35
Left In: -90.363+/-14.656 χ²/NDF:25.0/22
Left: -88.603+/-10.189 χ²/NDF: 73.9/47
Right: -0.922+/-11.867 χ²/NDF: 70.6/66
In: -45.949+/-11.040 χ²/NDF:78.4/53
Out: -56.635+/-10.828 χ²/NDF:97.1/60
All: -51.396+/-7.731 χ²/NDF: 176.0/114



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: 73.729+/-0.012 χ^2/NDF: 2103393.7/35

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

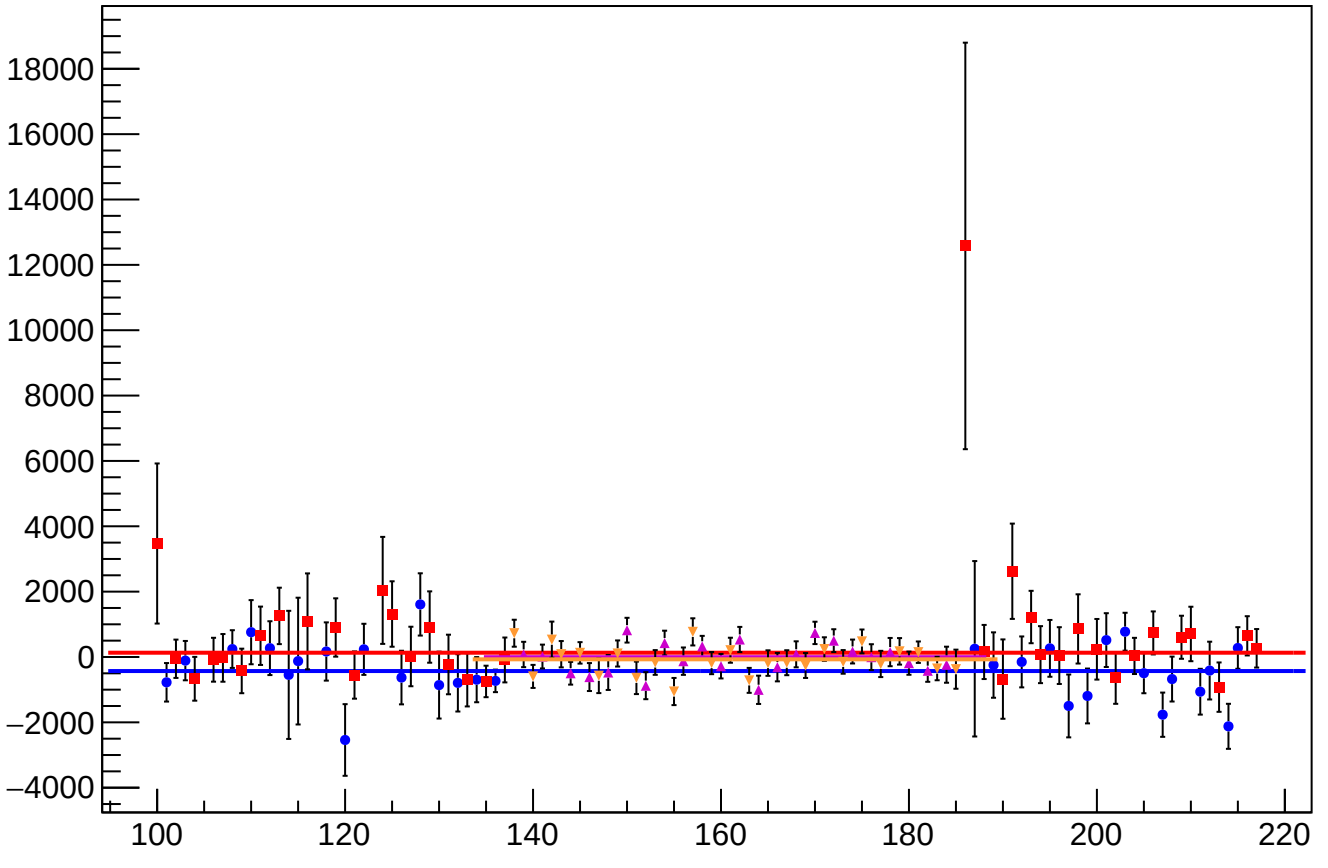
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 72.730+/-0.008 χ^2/NDF: 3637524.4/66

In: 66.433+/-0.008 χ^2/NDF:2059741.5/53

Out: 66.939+/-0.008 χ^2/NDF:2897952.4/60

All: 66.691+/-0.005 χ^2/NDF: 4959828.5/114



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: 130.776+/-131.842 χ^2/NDF: 31.5/35

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

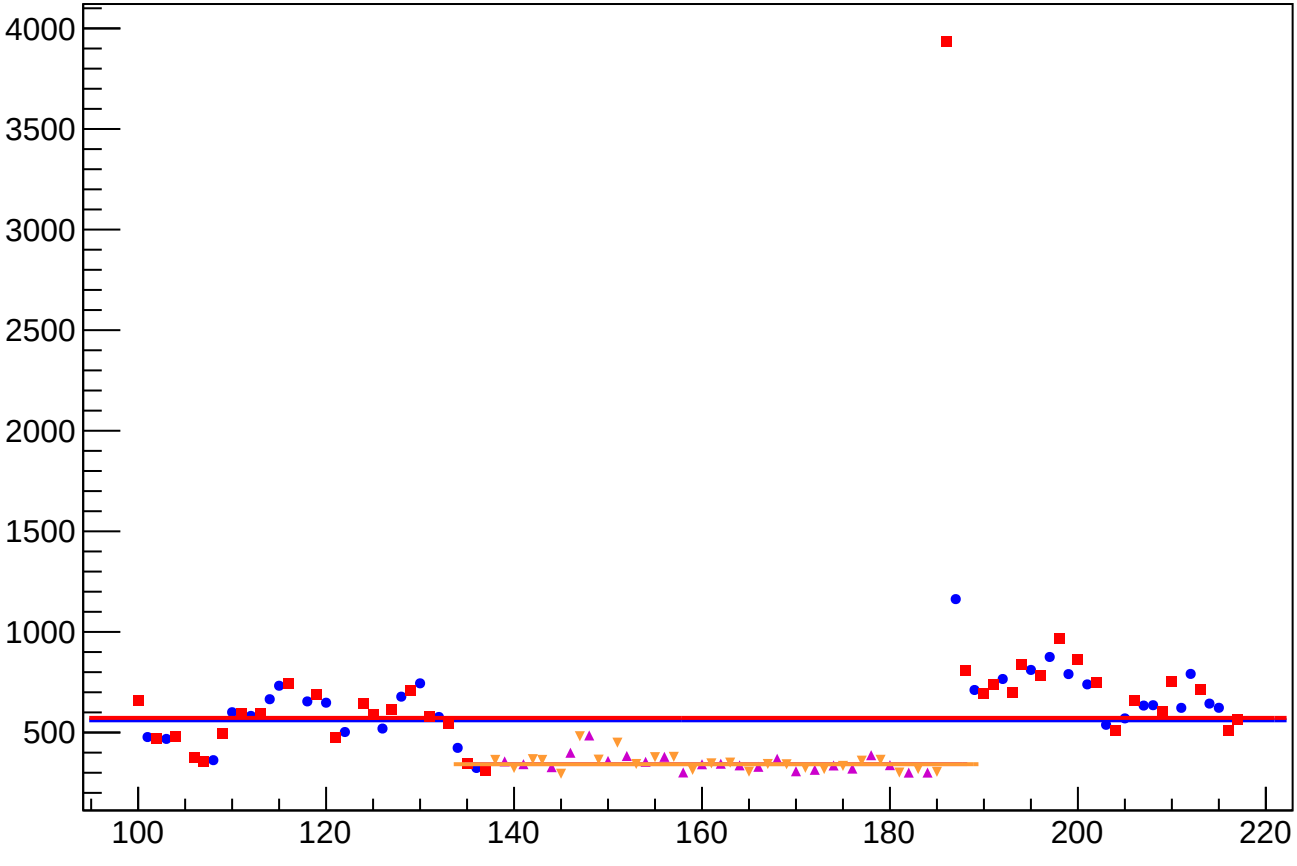
Right: -147.573+/-93.580 χ^2/NDF: 76.1/66

In: -120.560+/-69.009 χ^2/NDF:77.1/53

Out: -18.529+/-67.385 χ^2/NDF:61.8/60

All: -68.330+/-48.213 χ^2/NDF: 140.0/114

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: 572.713+/-0.093 χ^2/NDF: 3323512.1/35

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

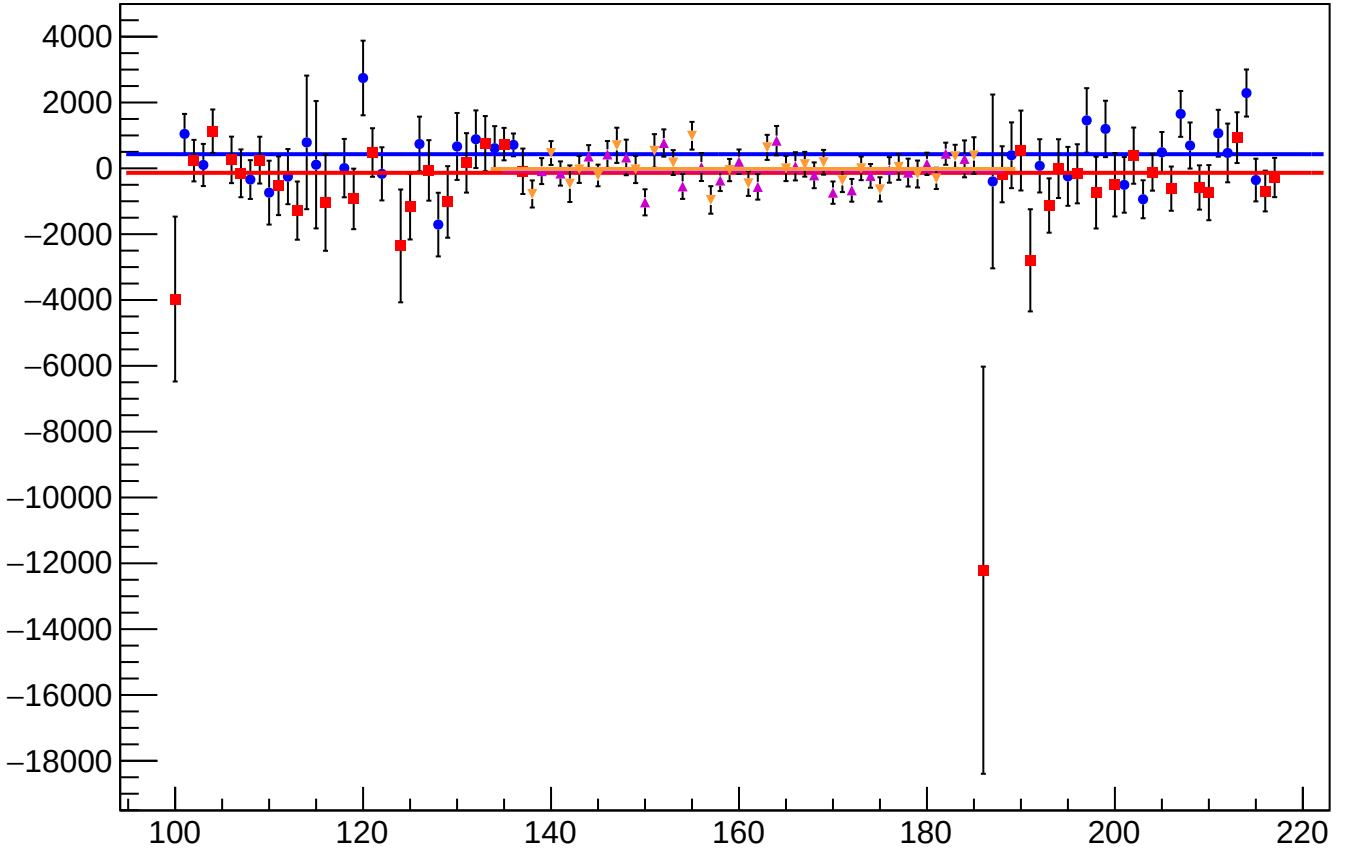
Right: 566.752+/-0.066 χ^2/NDF: 6009665.5/66

In: 401.921+/-0.049 χ^2/NDF:6963566.8/53

Out: 402.641+/-0.048 χ^2/NDF:8262594.5/60

All: 402.290+/-0.034 χ^2/NDF: 15226272.6/11

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 429.645+/-134.830 χ^2/NDF: 38.1/30

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -136.340+/-134.775 χ^2/NDF: 32.1/35

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

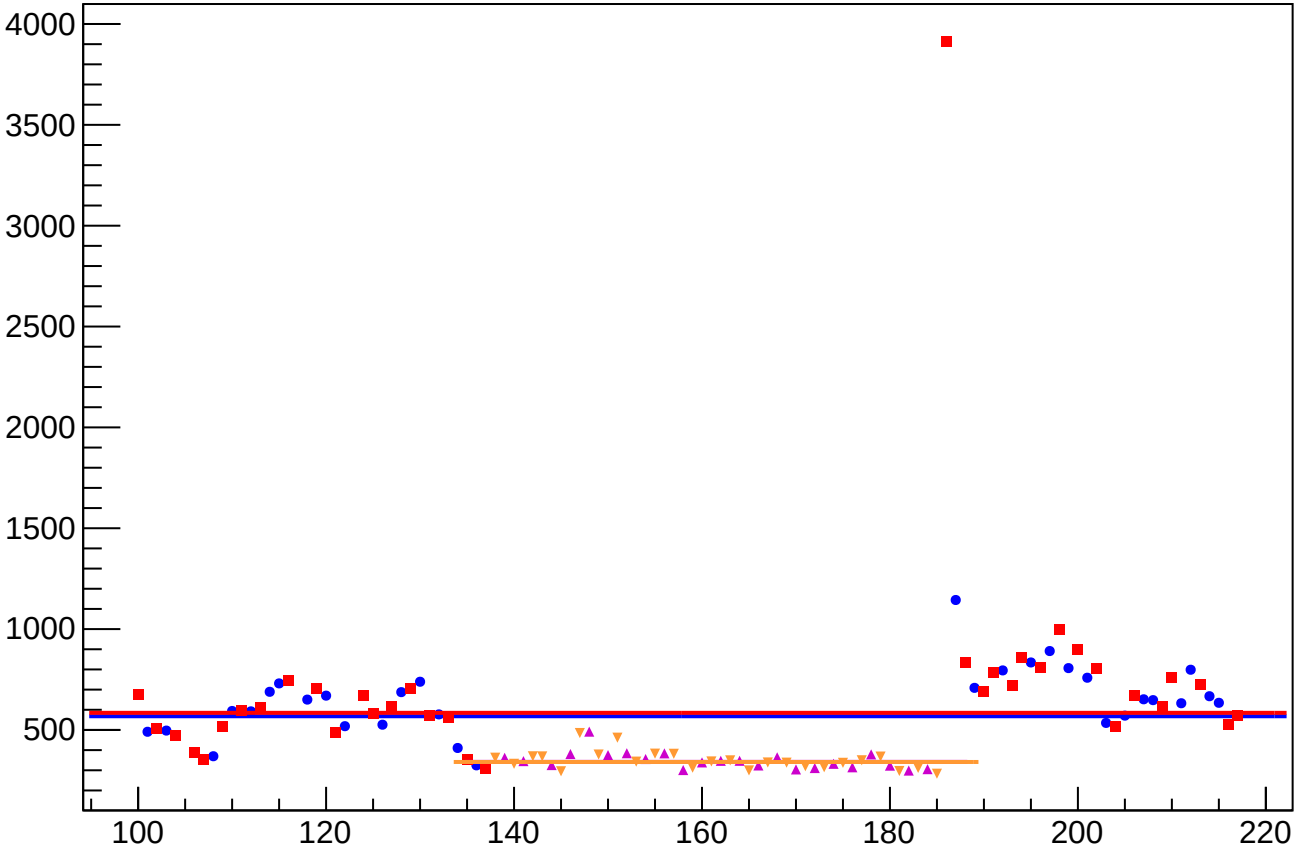
Right: 146.539+/-95.320 χ^2/NDF: 79.0/66

In: 54.655+/-69.061 χ^2/NDF:81.5/53

Out: -49.504+/-67.636 χ^2/NDF:64.1/60

All: 1.490+/-48.322 χ^2/NDF: 146.7/114

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: 584.823+/-0.095 χ^2/NDF: 3388509.9/35

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

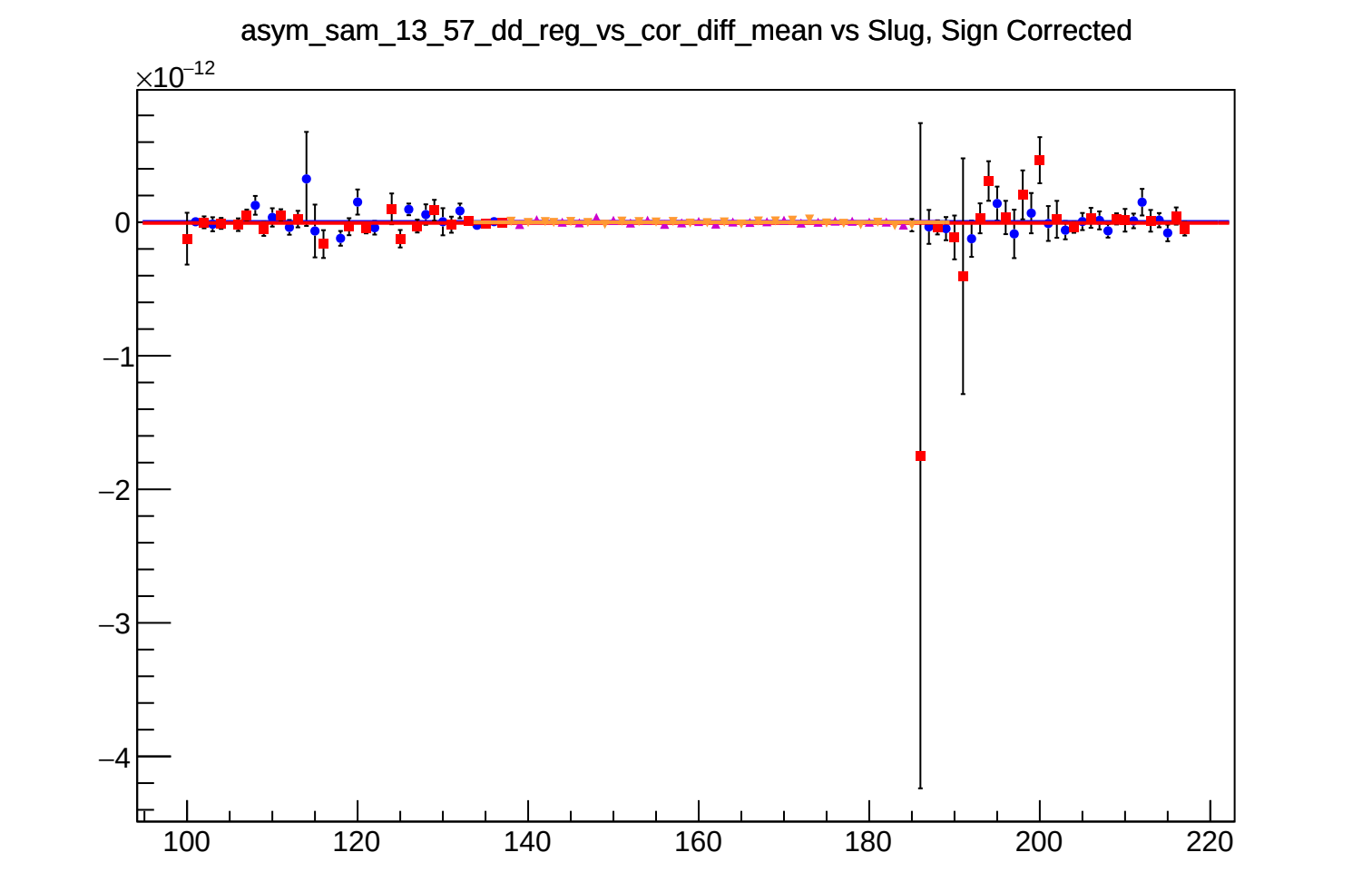
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 576.385+/-0.067 χ^2/NDF: 6162897.6/66

In: 400.999+/-0.049 χ^2/NDF:7312204.4/53

Out: 402.556+/-0.048 χ^2/NDF:8788579.7/60

All: 401.793+/-0.034 χ^2/NDF: 16101302.8/11



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: 32.0/35

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

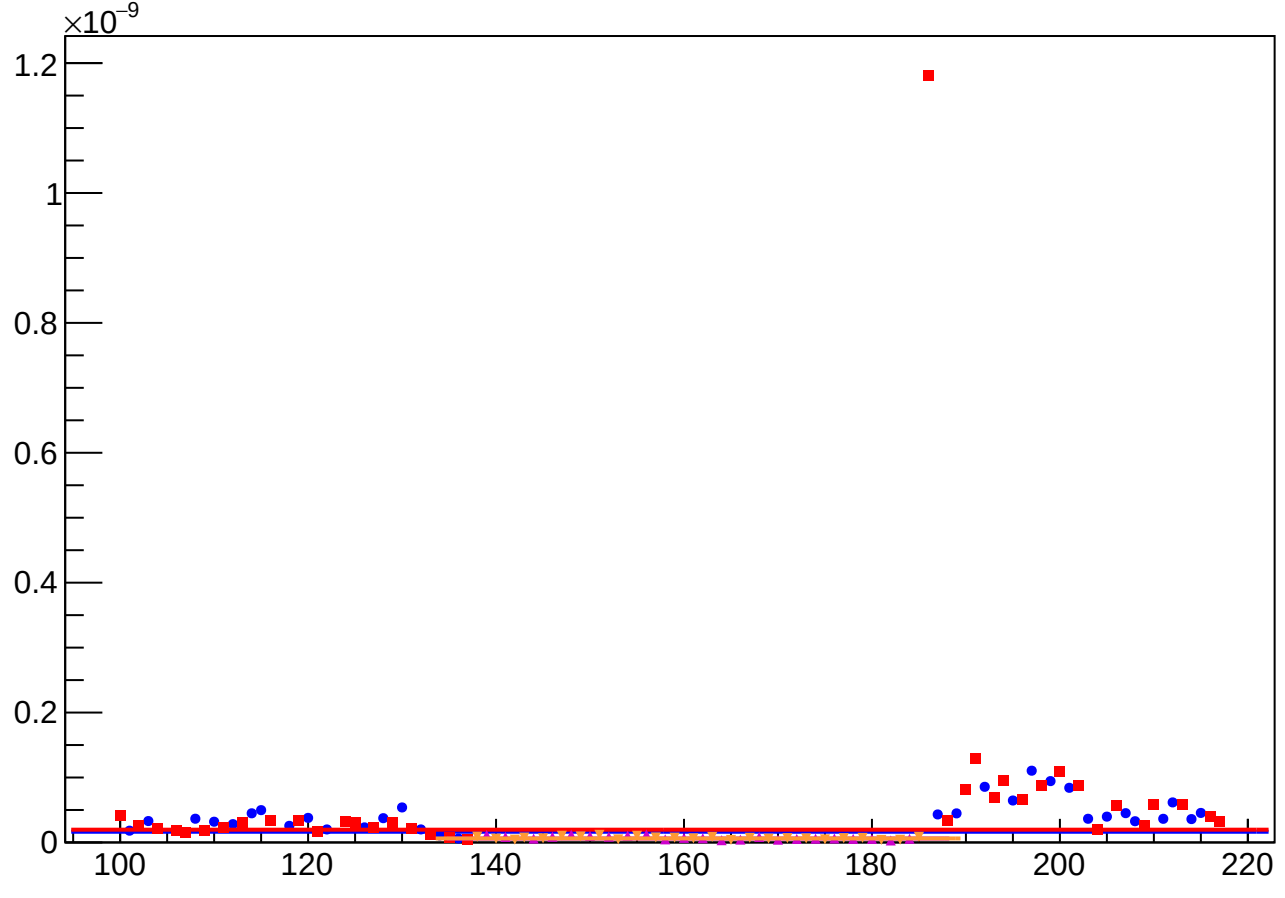
Right: -0.000+/-0.000 χ^2/NDF: 63.4/66

In: 0.000+/-0.000 χ^2/NDF:45.2/53

Out: -0.000+/-0.000 χ^2/NDF:51.6/60

All: 0.000+/-0.000 χ^2/NDF: 97.7/114

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: 7521830.7/35

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

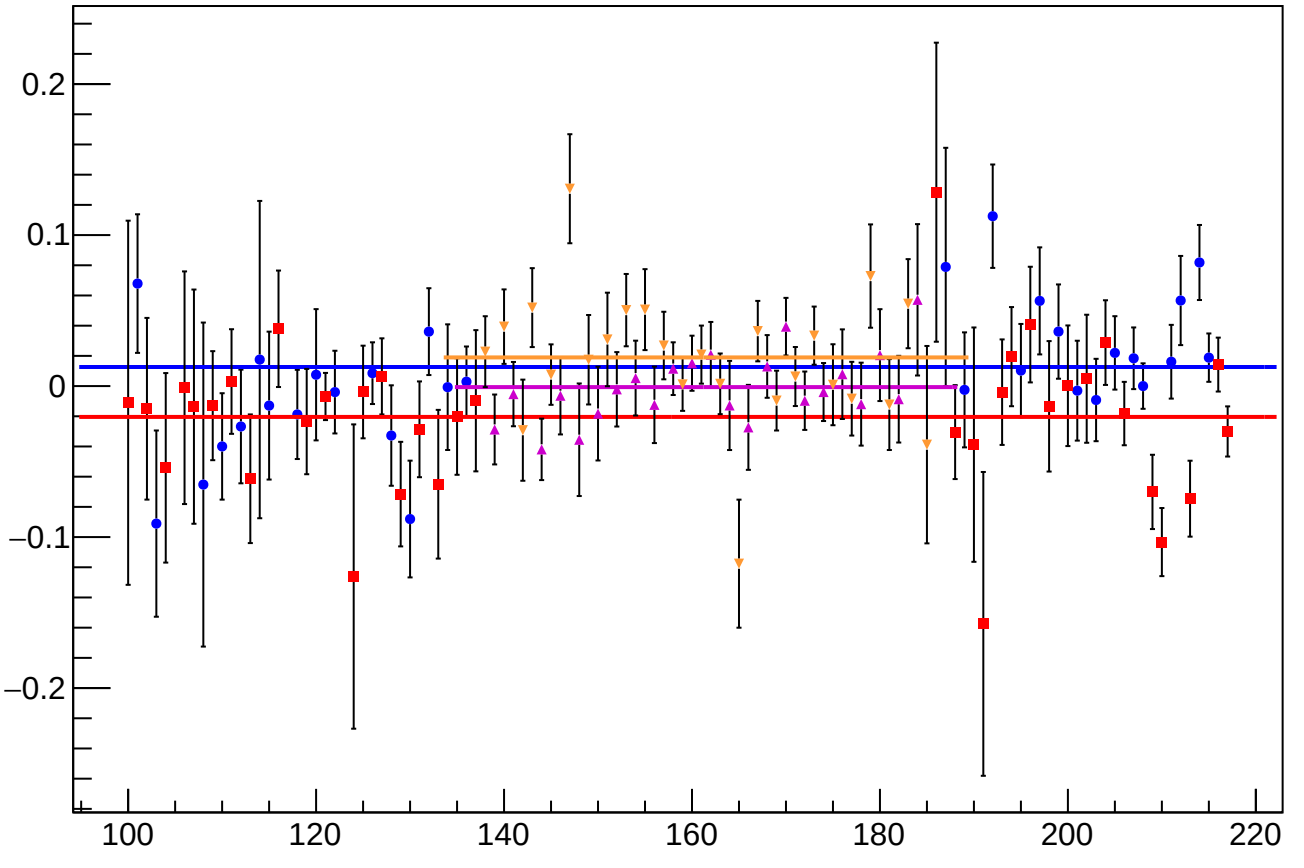
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16277878.0/66

In: 0.000+/-0.000 χ^2/NDF:13770125.3/53

Out: 0.000+/-0.000 χ^2/NDF:13564595.1/60

All: 0.000+/-0.000 χ^2/NDF: 27339789.1/114



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: -0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

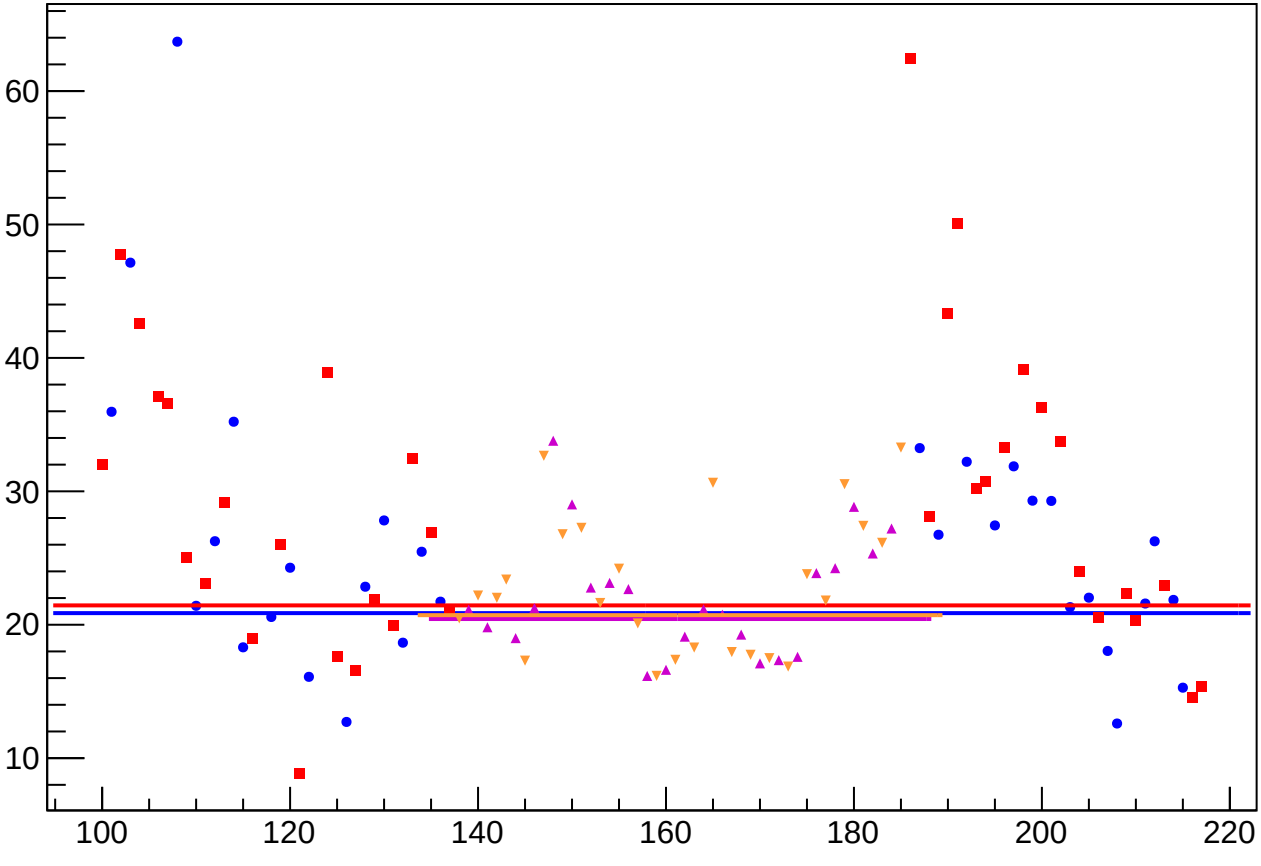
Right: -0.004+/-0.004 χ^2/NDF: 112.0/66

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.001+/-0.004 χ^2/NDF:120.3/60

All: 0.003+/-0.003 χ^2/NDF: 185.3/114

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.871+/-0.004 χ^2/NDF: 3321379.5/30

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 21.450+/-0.004 χ^2/NDF: 5143291.8/35

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

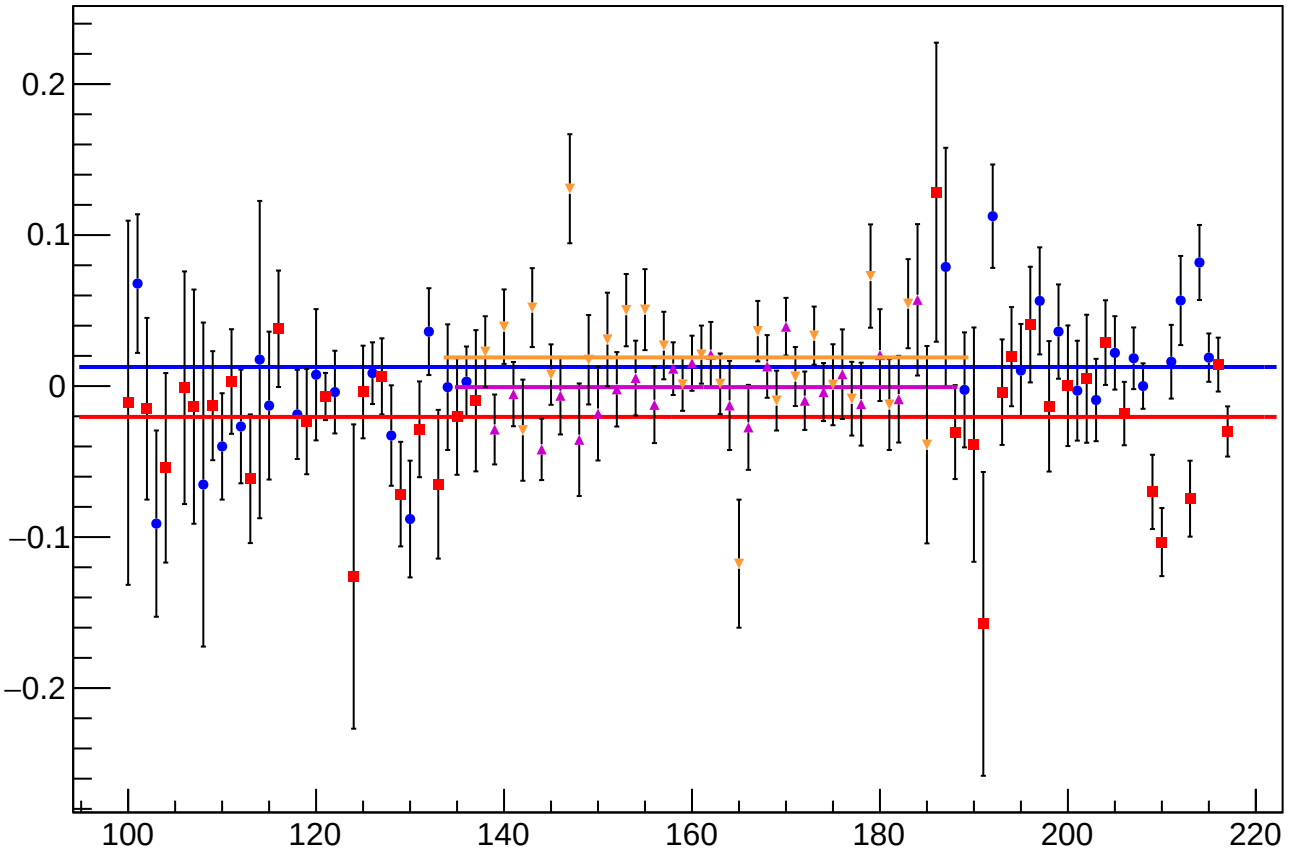
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.155+/-0.003 χ^2/NDF: 8476901.1/66

In: 20.639+/-0.003 χ^2/NDF:4502947.8/53

Out: 21.054+/-0.003 χ^2/NDF:6670424.5/60

All: 20.846+/-0.002 χ^2/NDF: 11186854.4/114



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: -0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

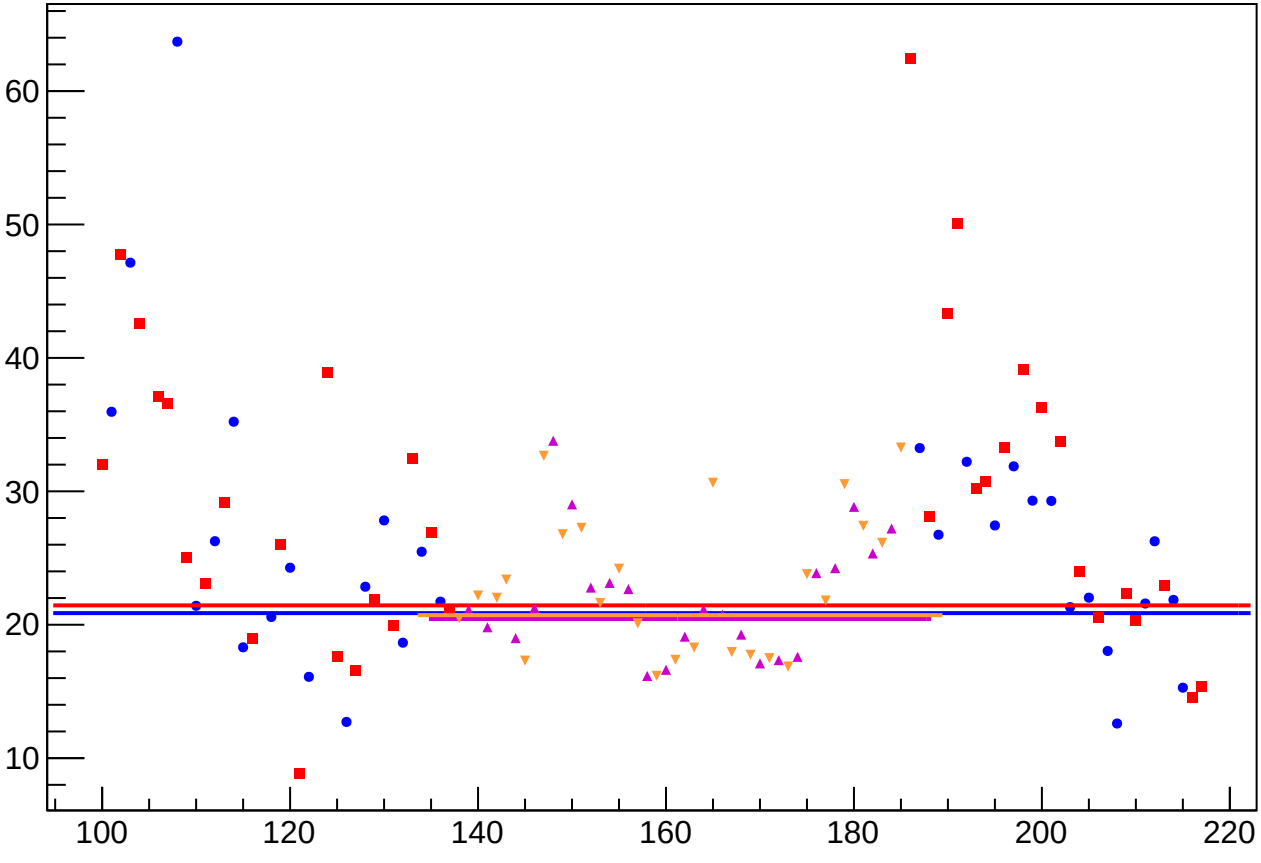
Right: -0.004+/-0.004 χ^2/NDF: 112.0/66

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.001+/-0.004 χ^2/NDF:120.3/60

All: 0.003+/-0.003 χ^2/NDF: 185.3/114

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: 21.450+/-0.004 χ^2/NDF: 5143291.8/35

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

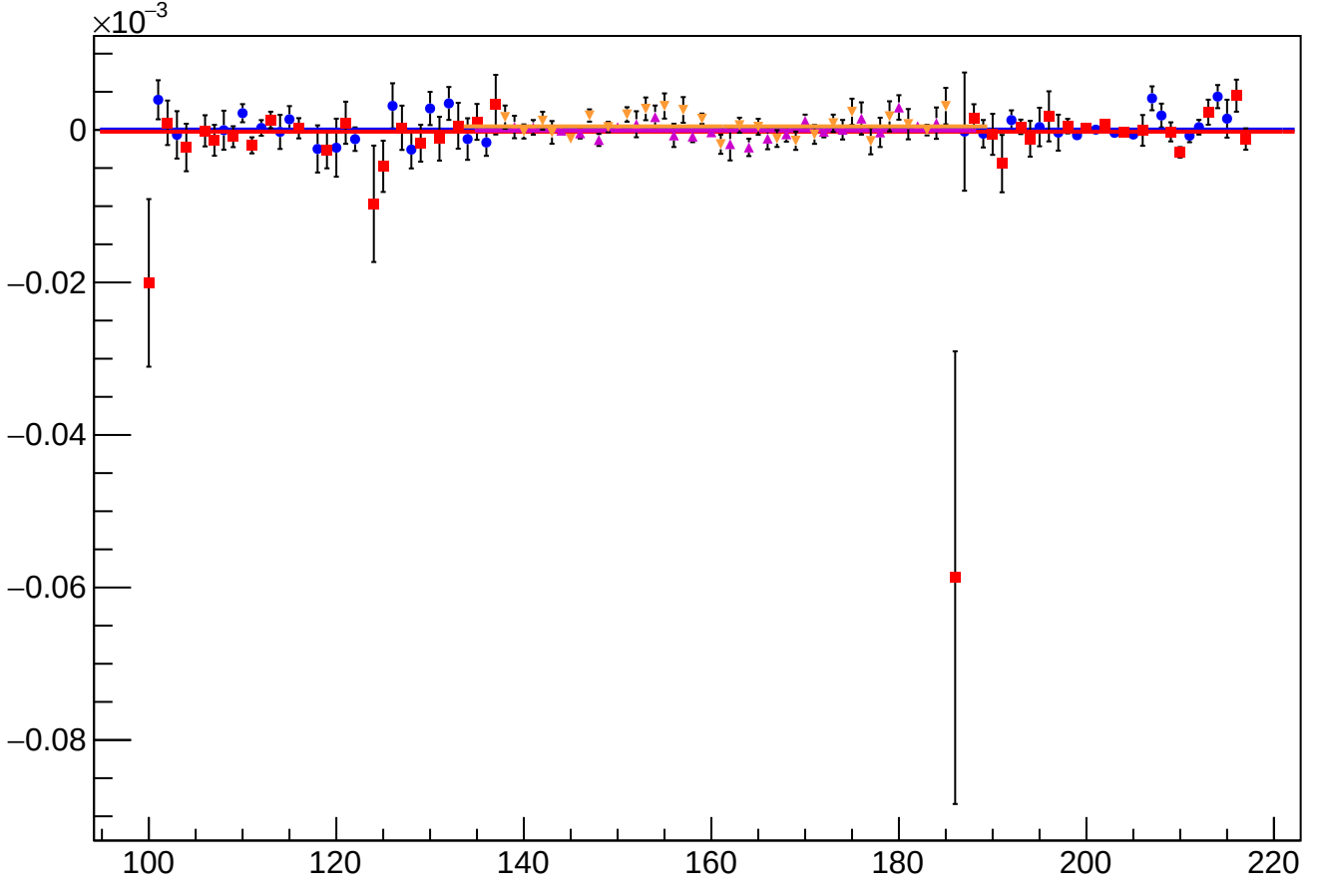
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.155+/-0.003 χ^2/NDF: 8476901.1/66

In: 20.639+/-0.003 χ^2/NDF:4502947.8/53

Out: 21.054+/-0.003 χ^2/NDF:6670424.5/60

All: 20.846+/-0.002 χ^2/NDF: 11186854.4/114



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: 50.0/35

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

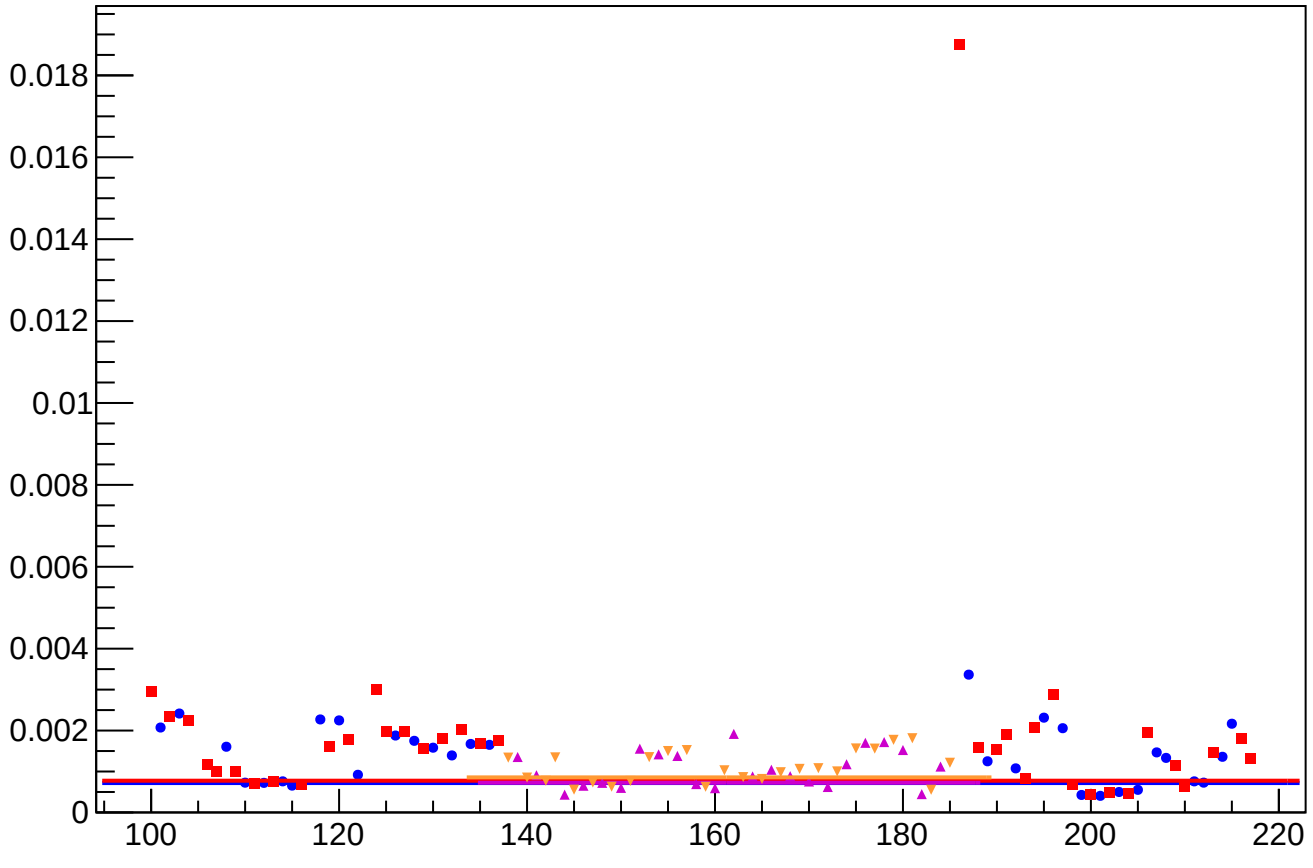
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 89.4/66

In: -0.000+/-0.000 χ^2/NDF:58.3/53

Out: 0.000+/-0.000 χ^2/NDF:92.2/60

All: 0.000+/-0.000 χ^2/NDF: 150.8/114



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: 11003569.7/35

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

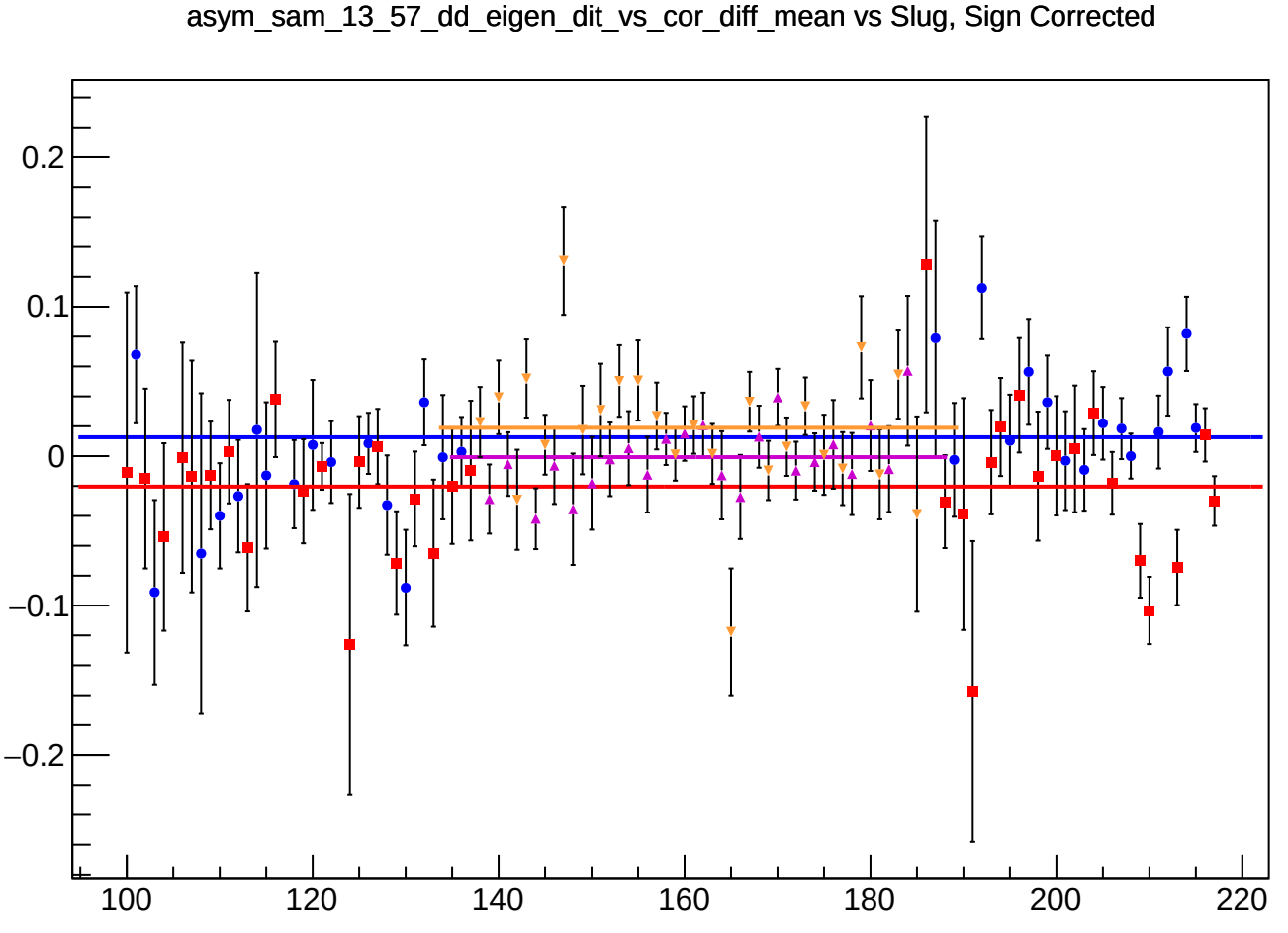
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 21335277.6/66

In: 0.001+/-0.000 χ^2/NDF:16060101.0/53

Out: 0.001+/-0.000 χ^2/NDF:15590231.2/60

All: 0.001+/-0.000 χ^2/NDF: 32076963.5/114



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: -0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

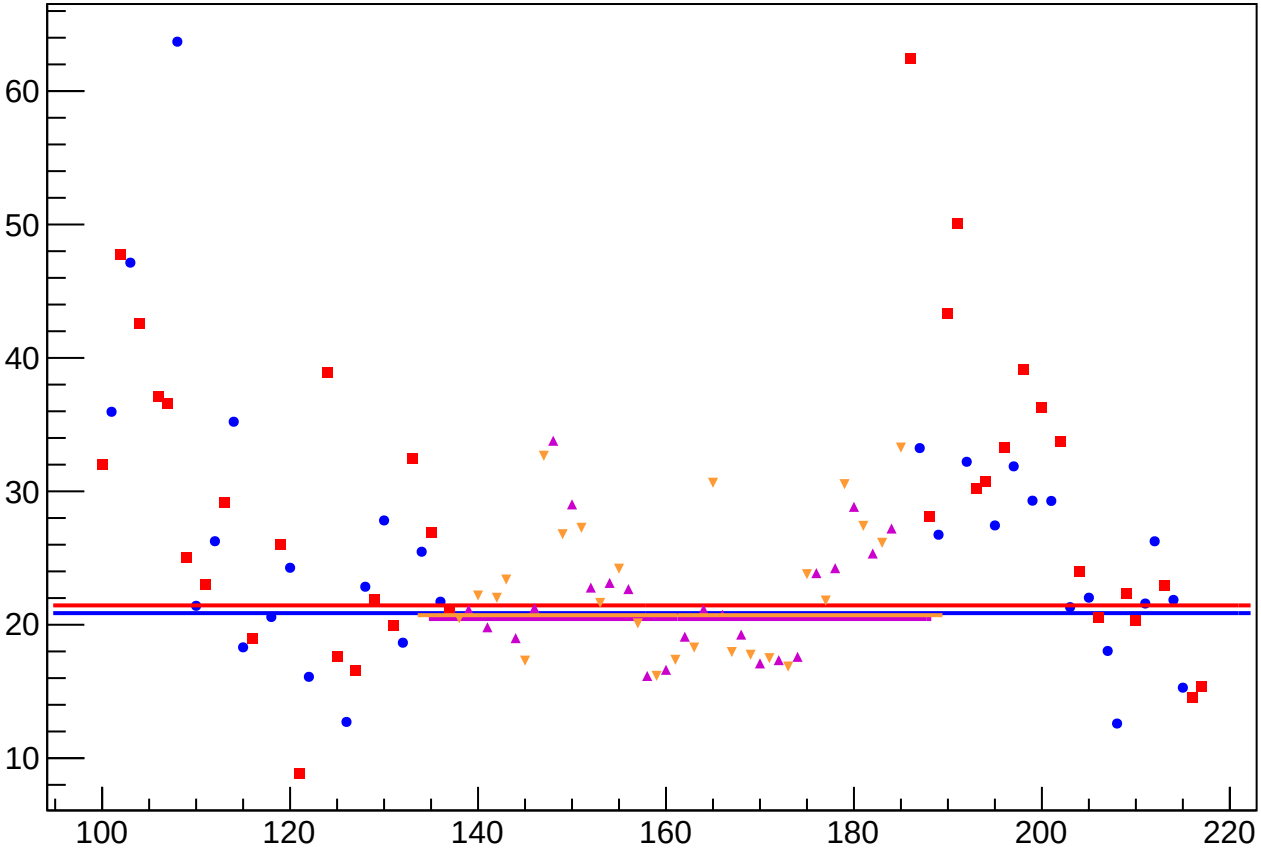
Right: -0.004+/-0.004 χ^2/NDF: 112.0/66

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.001+/-0.004 χ^2/NDF:120.3/60

All: 0.003+/-0.003 χ^2/NDF: 185.3/114

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: 21.450+/-0.004 χ^2/NDF: 5142774.7/35

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

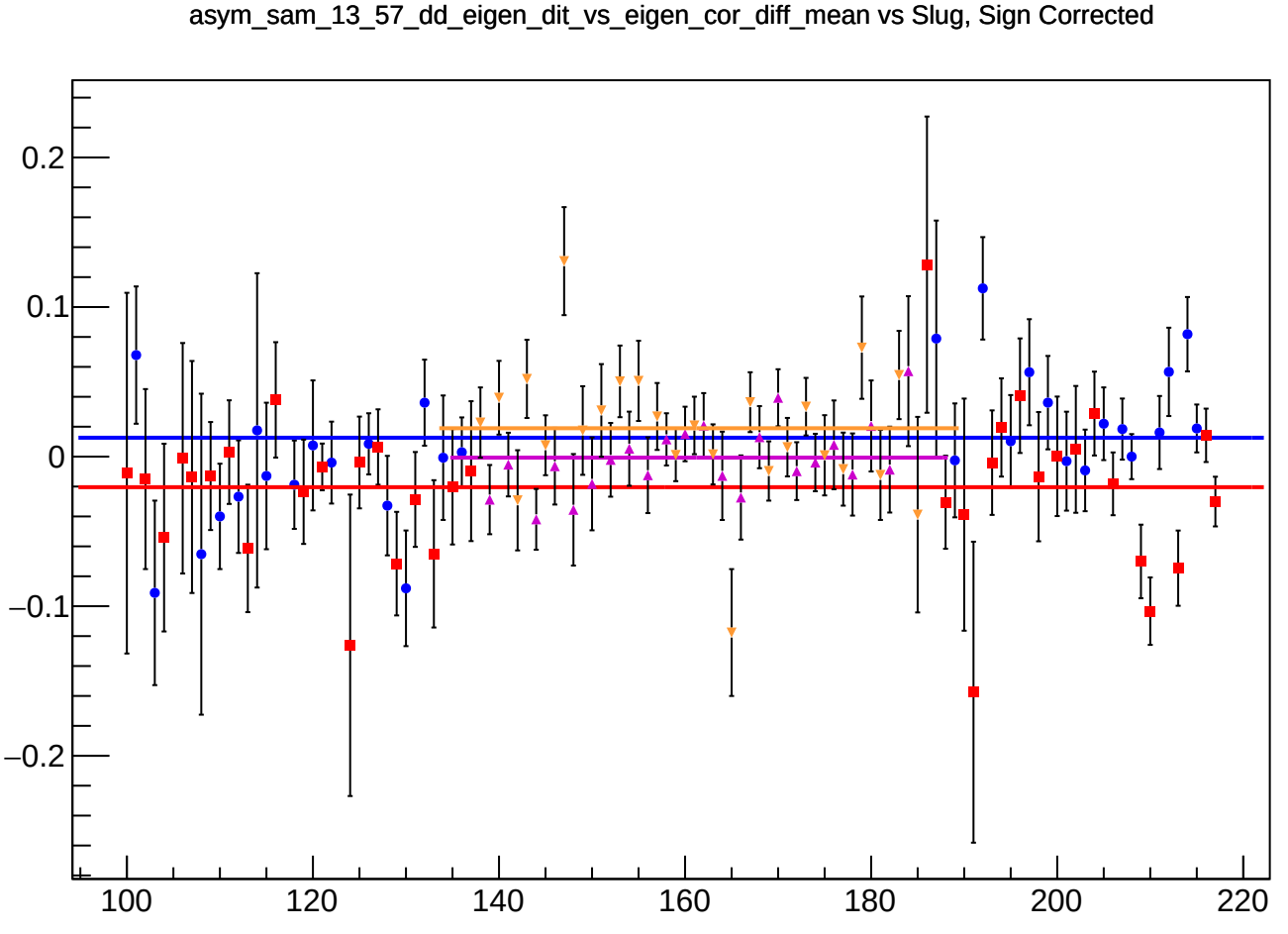
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.156+/-0.003 χ^2/NDF: 8476262.1/66

In: 20.639+/-0.003 χ^2/NDF:4502874.4/53

Out: 21.054+/-0.003 χ^2/NDF:6670033.1/60

All: 20.846+/-0.002 χ^2/NDF: 11186390.0/114



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: -0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

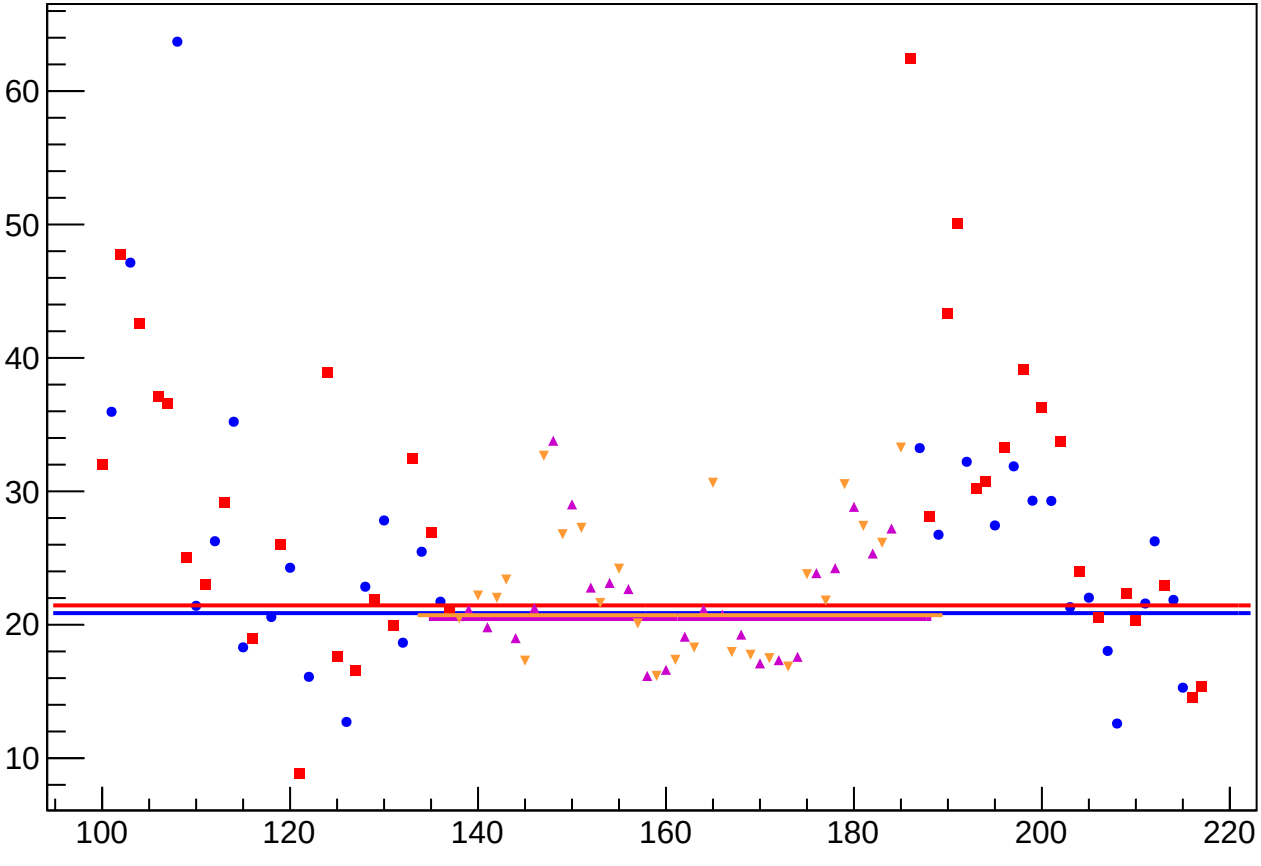
Right: -0.004+/-0.004 χ^2/NDF: 112.0/66

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.001+/-0.004 χ^2/NDF:120.3/60

All: 0.003+/-0.003 χ^2/NDF: 185.3/114

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: 21.450+/-0.004 χ^2/NDF: 5142774.7/35

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

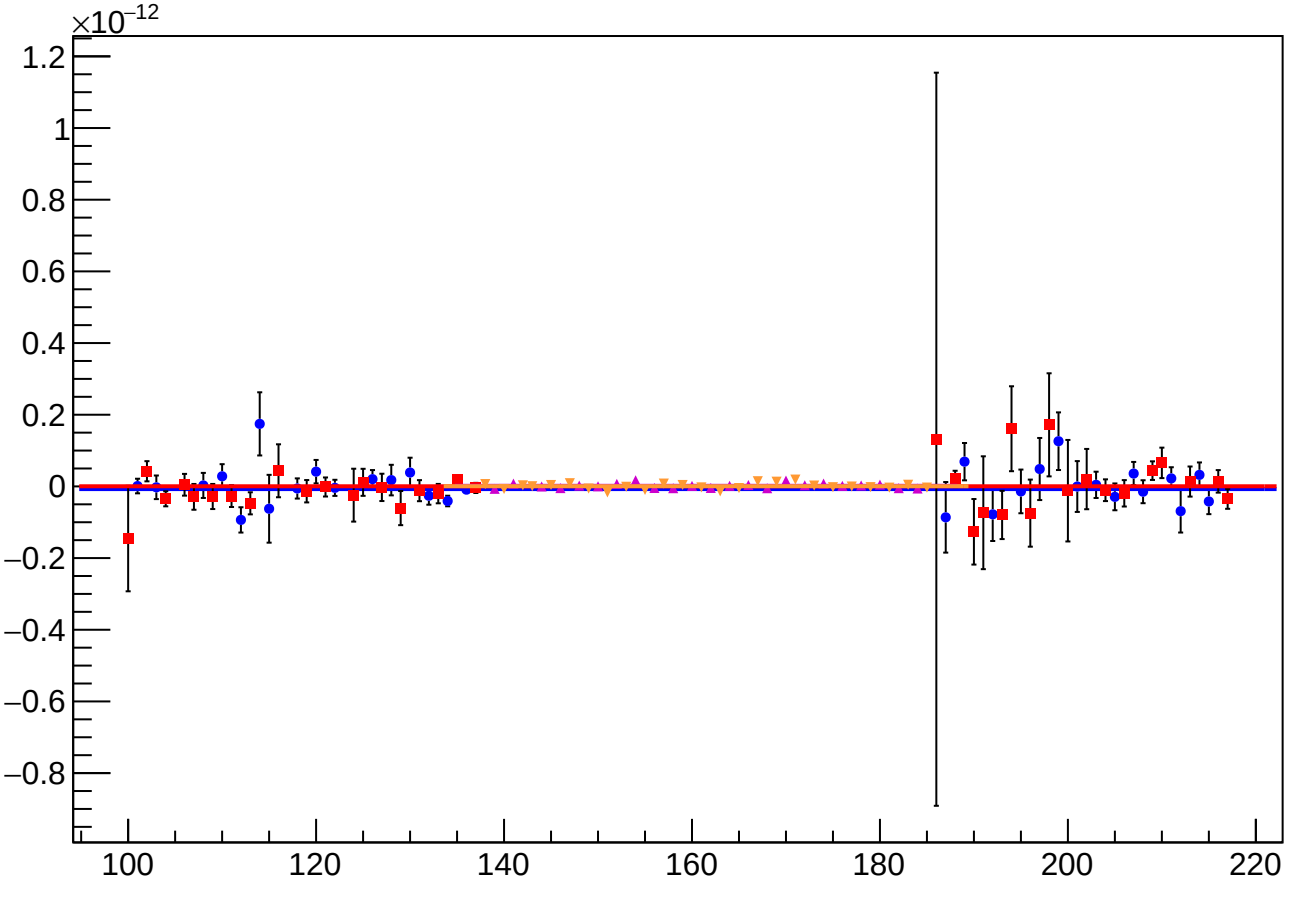
Right: 21.156+/-0.003 χ^2/NDF: 8476262.1/66

In: 20.639+/-0.003 χ^2/NDF:4502874.4/53

Out: 21.054+/-0.003 χ^2/NDF:6670033.1/60

All: 20.846+/-0.002 χ^2/NDF: 11186390.0/114

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

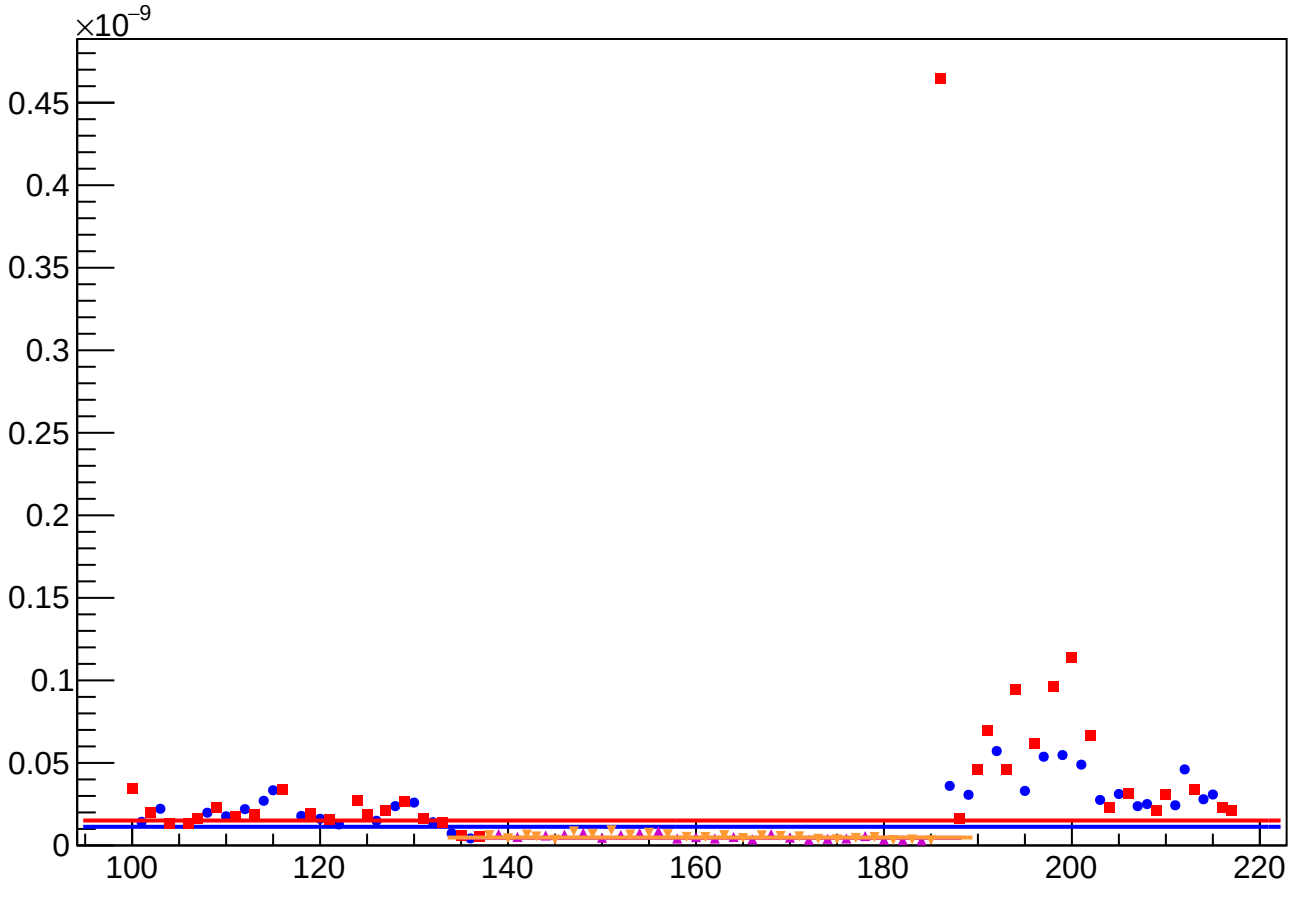
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 70.5/66

In: 0.000+/-0.000 χ^2/NDF:61.0/53

Out: 0.000+/-0.000 χ^2/NDF:62.0/60

All: 0.000+/-0.000 χ^2/NDF: 123.0/114



Right In: 0.000+/-0.000 χ^2/NDF: 11394396.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9946593.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

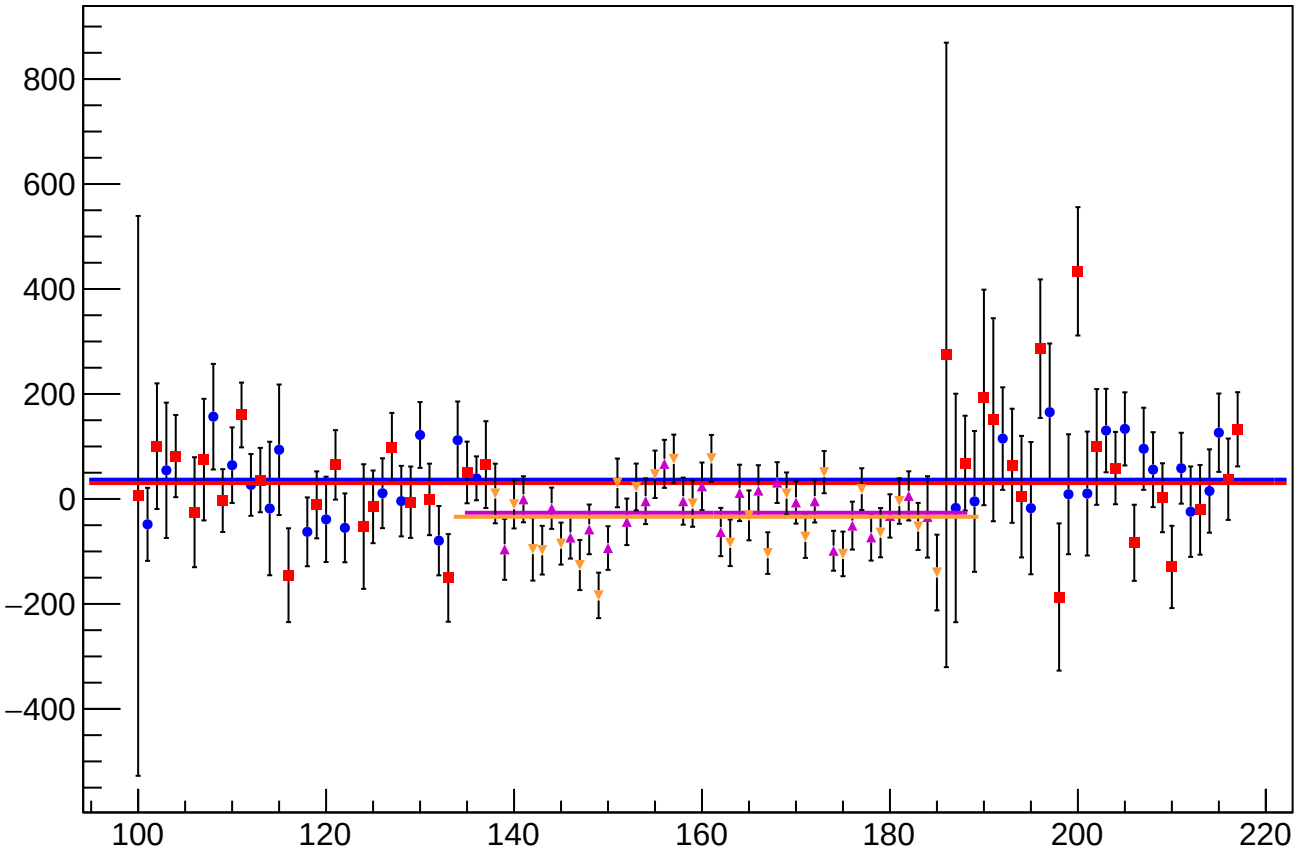
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 22027300.0/66

In: 0.000+/-0.000 χ^2/NDF:17957292.9/53

Out: 0.000+/-0.000 χ^2/NDF:20096802.0/60

All: 0.000+/-0.000 χ^2/NDF: 38090738.0/114



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: 30.296+/-13.843 χ^2/NDF: 46.3/35

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

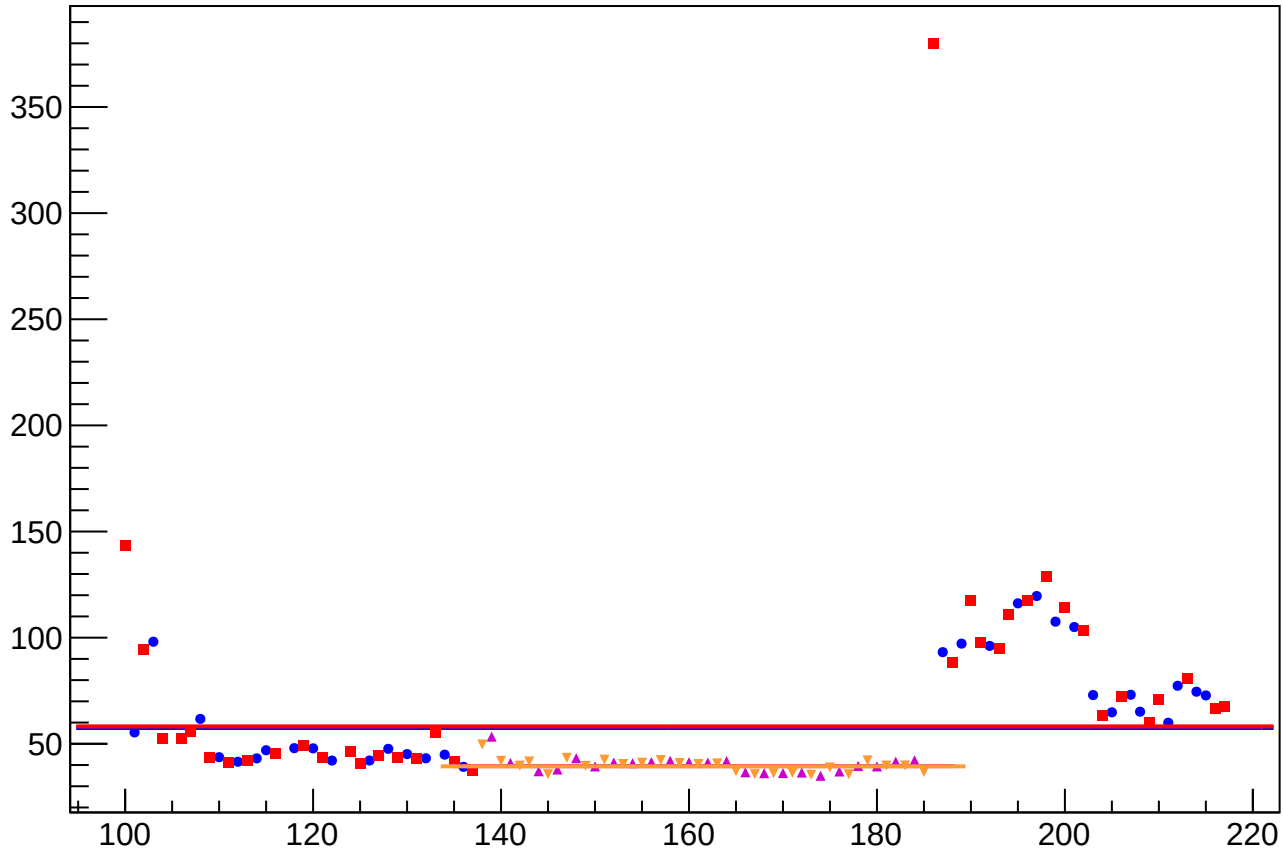
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 33.474+/-9.824 χ^2/NDF: 69.7/66

In: -6.962+/-7.720 χ^2/NDF:59.9/53

Out: -14.885+/-7.542 χ^2/NDF:120.2/60

All: -11.017+/-5.395 χ^2/NDF: 180.6/114



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: 58.203+/-0.010 χ^2/NDF: 5256356.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

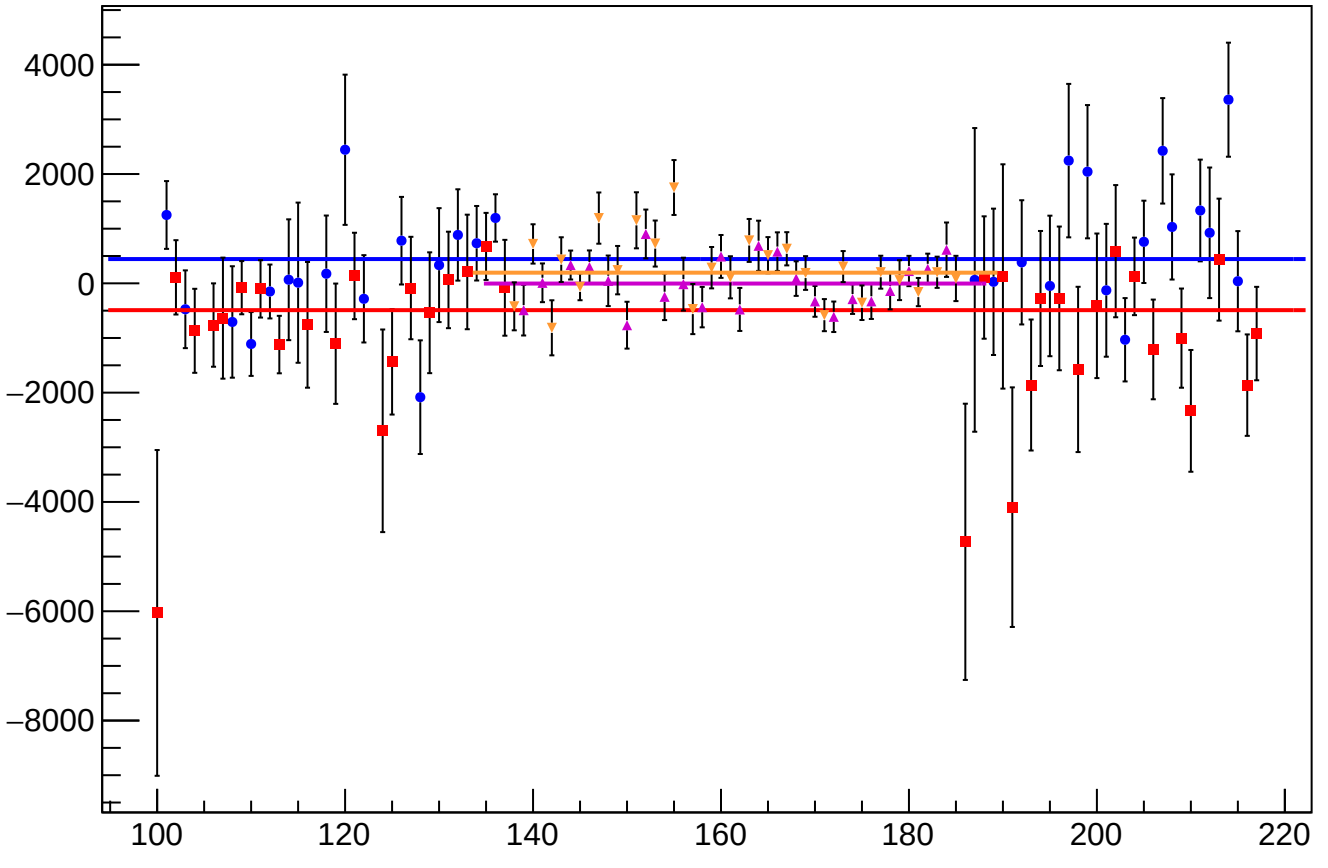
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.820+/-0.007 χ^2/NDF: 9287528.3/66

In: 44.992+/-0.005 χ^2/NDF:6576123.4/53

Out: 44.968+/-0.005 χ^2/NDF:8084687.6/60

All: 44.980+/-0.004 χ^2/NDF: 14660820.2/114



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: -490.726+/-150.423 χ^2/NDF: 31.7/35

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

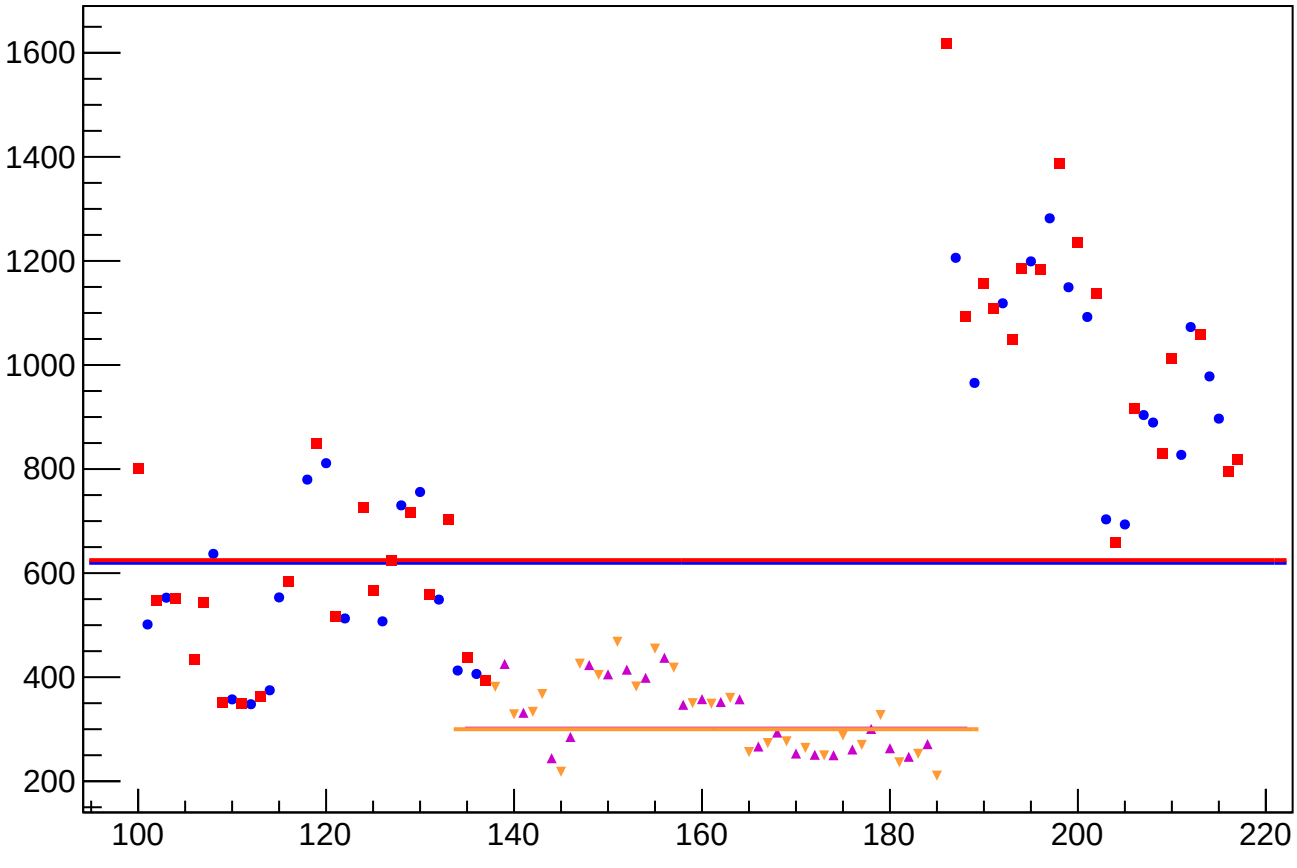
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -31.456+/-107.291 χ^2/NDF: 98.0/66

In: 77.139+/-65.139 χ^2/NDF:86.8/53

Out: 72.694+/-63.534 χ^2/NDF:97.4/60

All: 74.861+/-45.482 χ^2/NDF: 184.1/114



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: 624.906+/-0.106 χ^2/NDF: 6595169.2/35

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

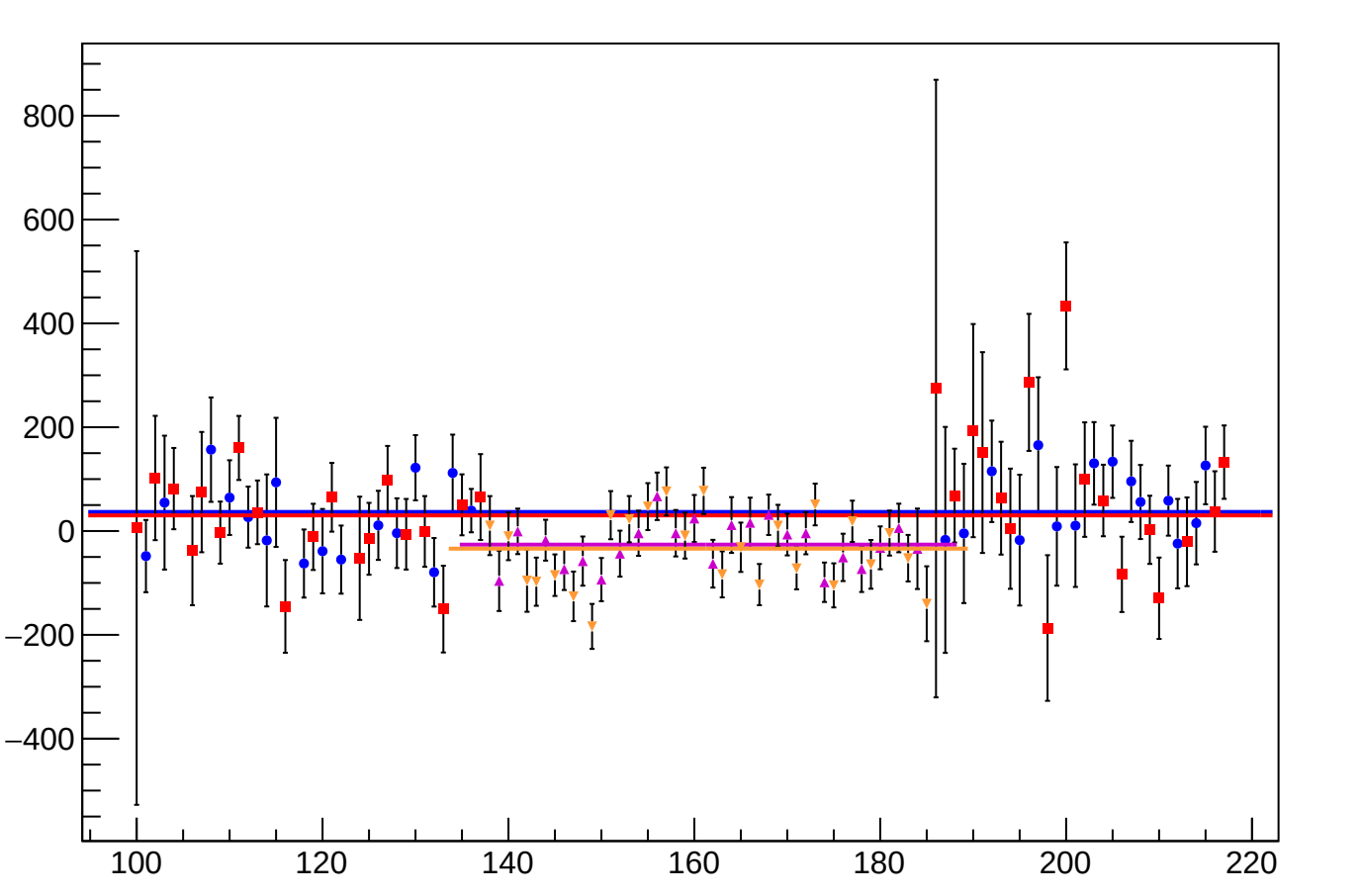
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

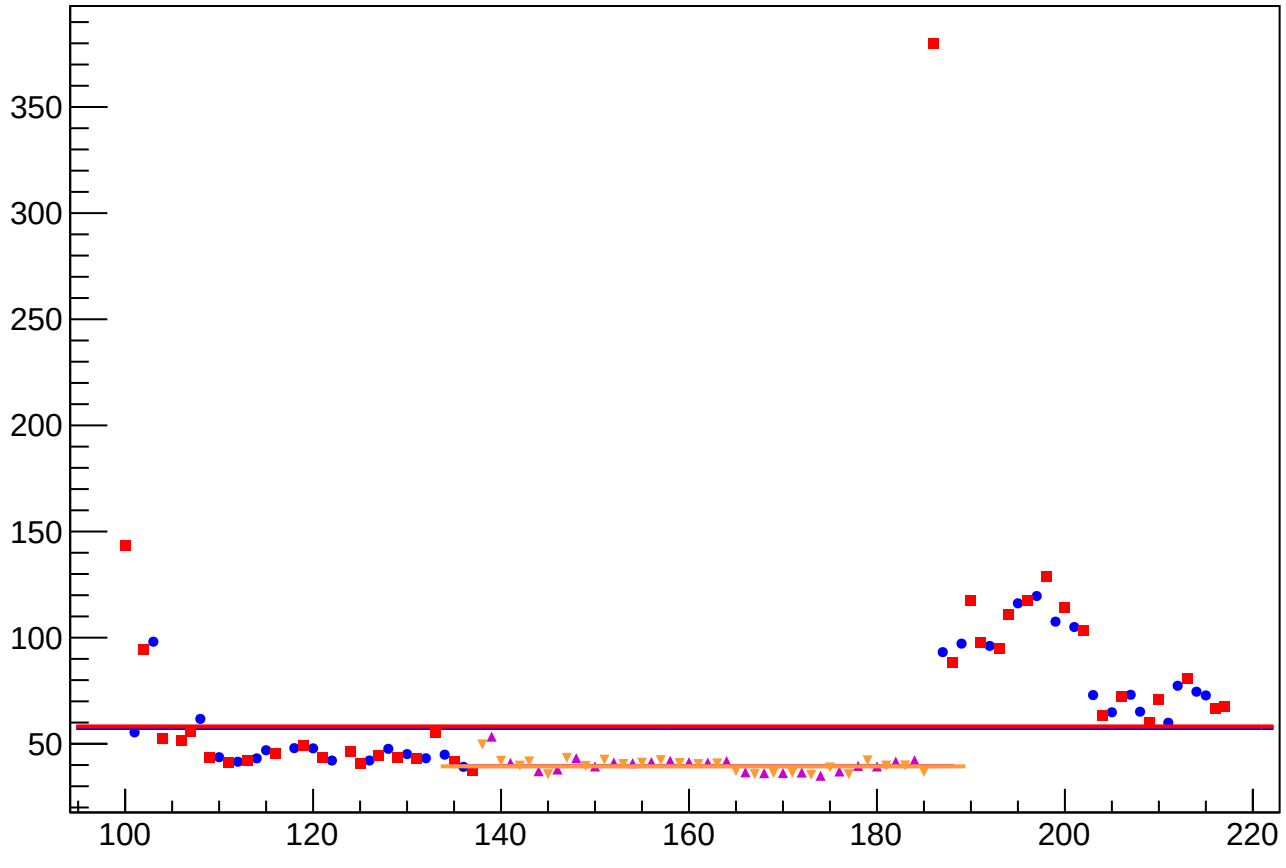
Right: 622.444+/-0.076 χ^2/NDF: 12019413.3/66

In: 358.744+/-0.046 χ^2/NDF:13938447.6/53

Out: 357.942+/-0.045 χ^2/NDF:16070956.6/60

All: 358.333+/-0.032 χ^2/NDF: 30009559.6/11


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
220
Right In: 36.701+/-13.943 χ²/NDF: 23.3/30
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 30.107+/-13.844 χ²/NDF: 46.5/35
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 33.381+/-9.824 χ²/NDF: 69.8/66
In: -6.961+/-7.720 χ²/NDF:59.9/53
Out: -14.943+/-7.542 χ²/NDF:120.2/60
All: -11.046+/-5.395 χ²/NDF: 180.7/114



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: 58.189+/-0.010 χ^2/NDF: 5258330.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

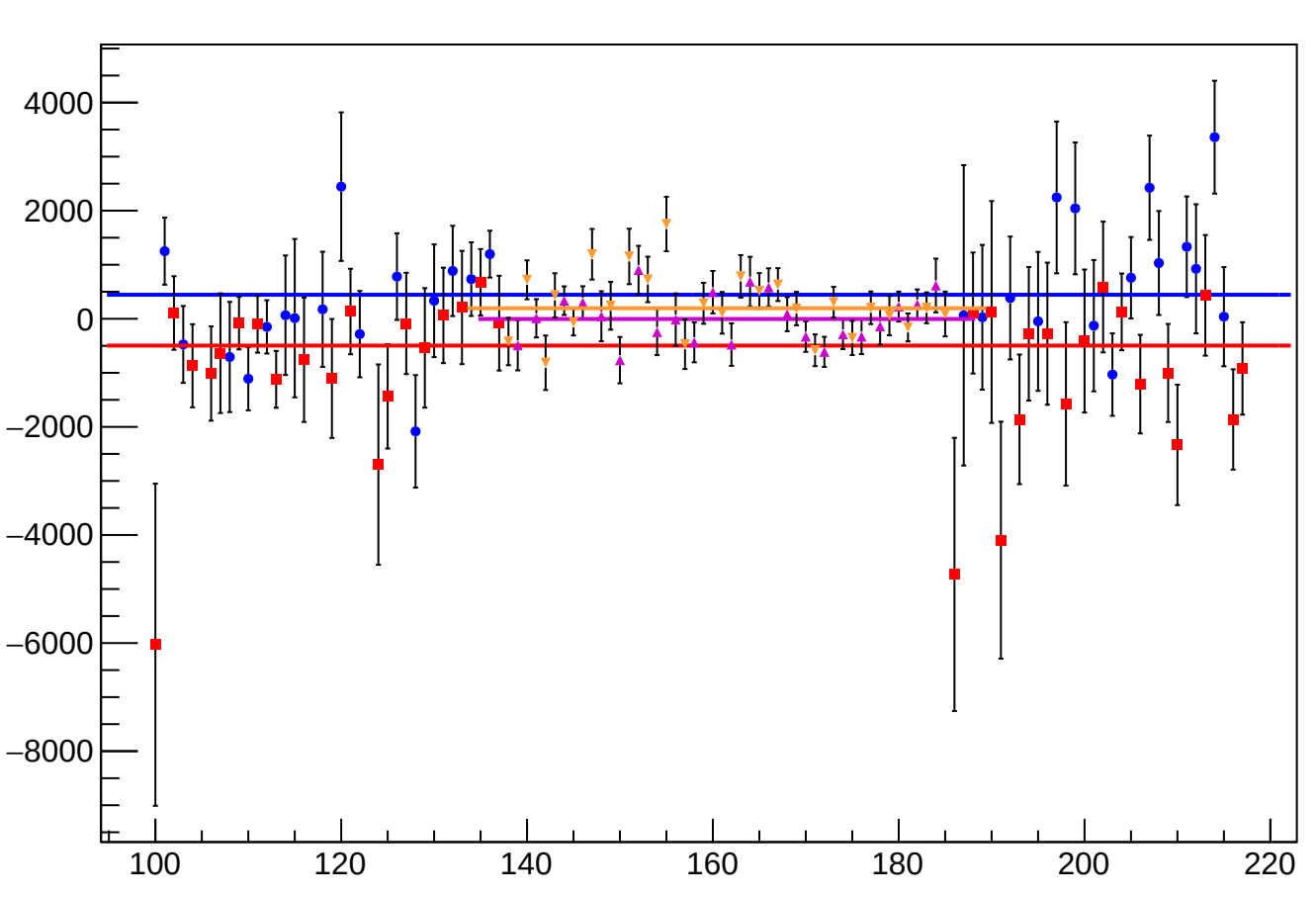
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.814+/-0.007 χ^2/NDF: 9289400.9/66

In: 44.992+/-0.005 χ^2/NDF:6576126.4/53

Out: 44.964+/-0.005 χ^2/NDF:8082723.4/60

All: 44.977+/-0.004 χ^2/NDF: 14658863.0/114



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: -495.869+/-151.125 χ^2/NDF: 31.9/35

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

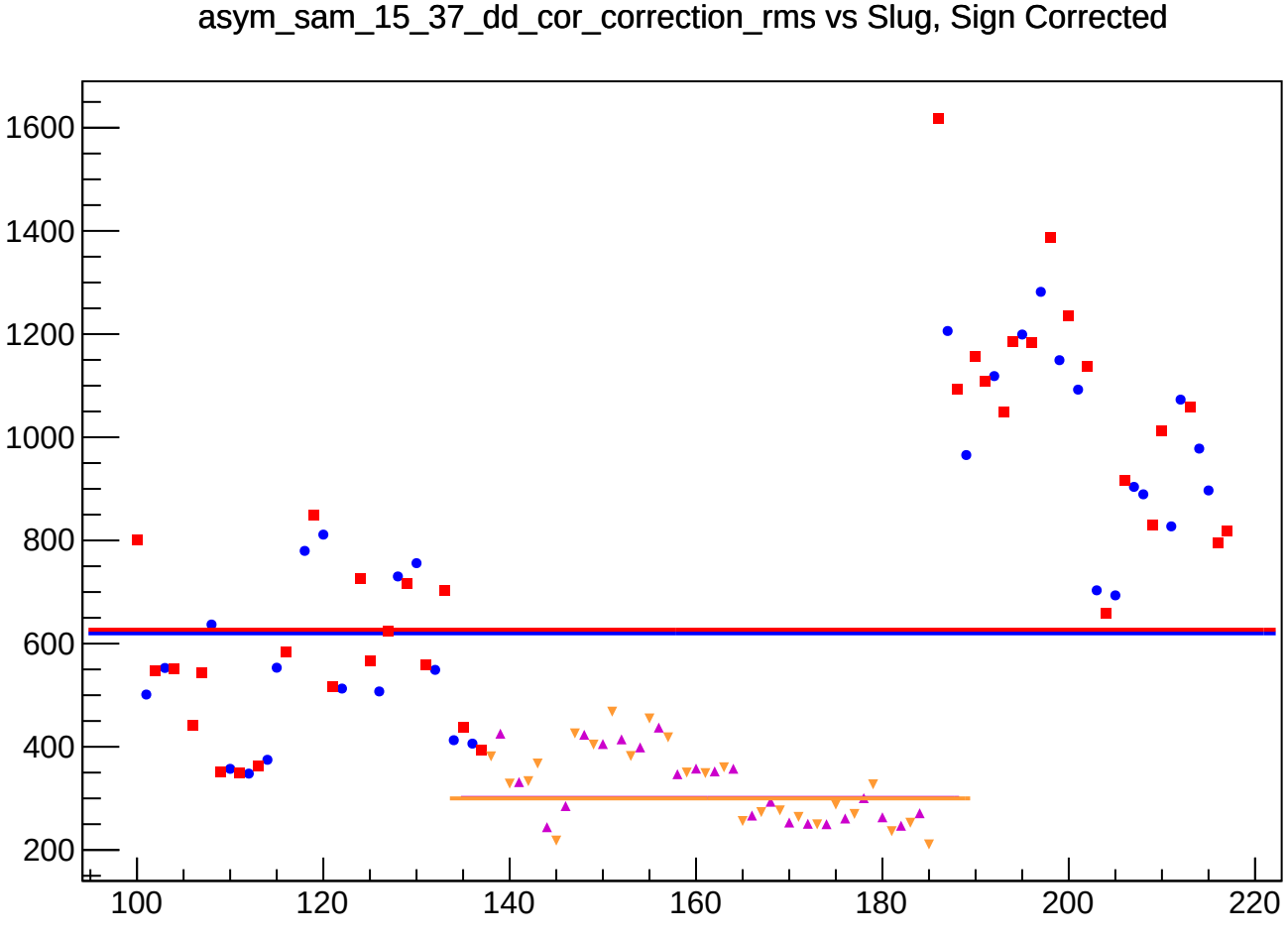
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -31.884+/-107.545 χ^2/NDF: 98.4/66

In: 77.140+/-65.139 χ^2/NDF:86.8/53

Out: 72.716+/-63.586 χ^2/NDF:97.7/60

All: 74.875+/-45.501 χ^2/NDF: 184.5/114



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: 626.921+/-0.107 χ^2/NDF: 6557747.5/35

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

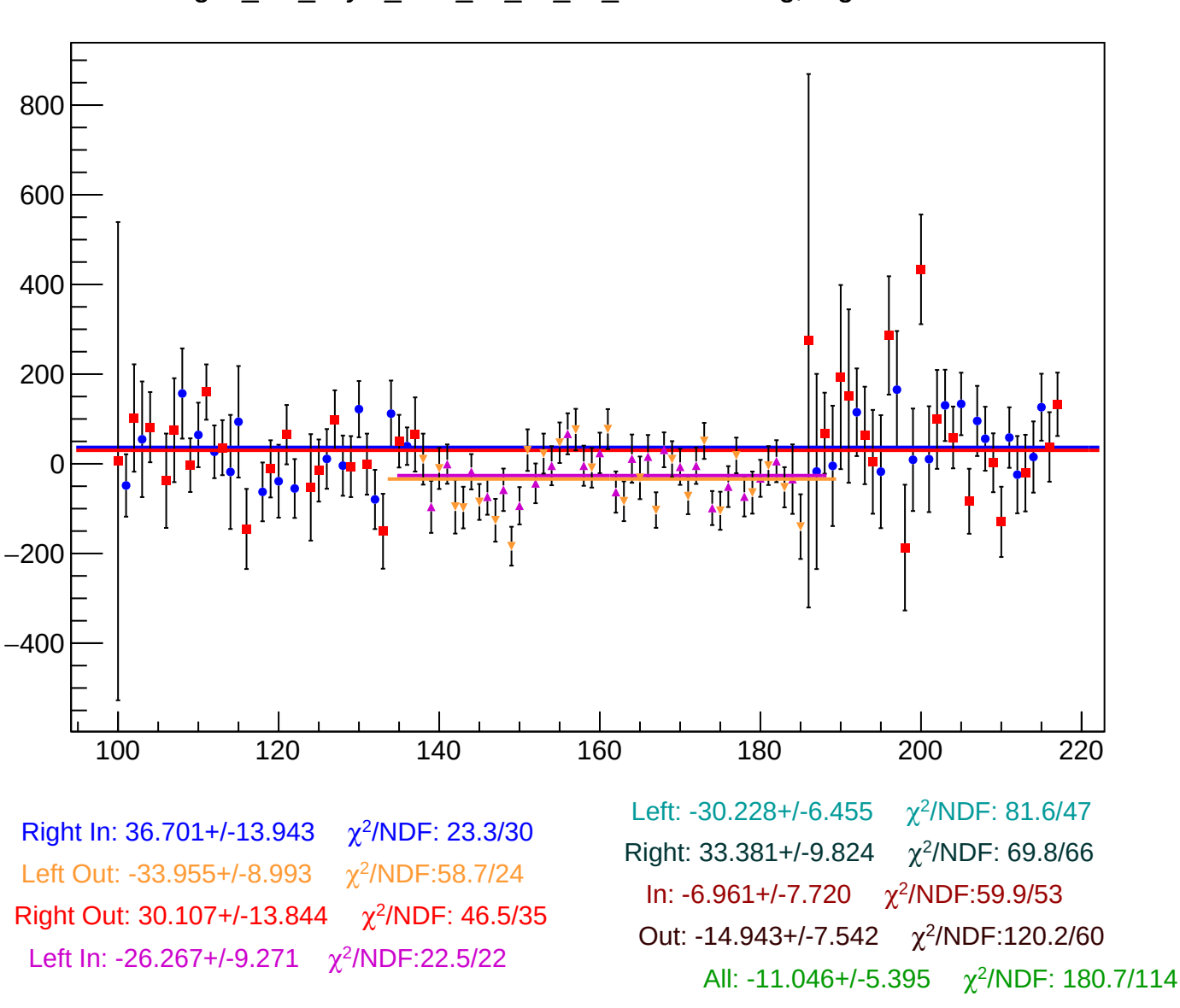
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 623.454+/-0.076 χ^2/NDF: 11983012.6/66

In: 358.744+/-0.046 χ^2/NDF:13938508.8/53

Out: 357.857+/-0.045 χ^2/NDF:16069705.4/60

All: 358.290+/-0.032 χ^2/NDF: 30008404.4/11


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
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−200
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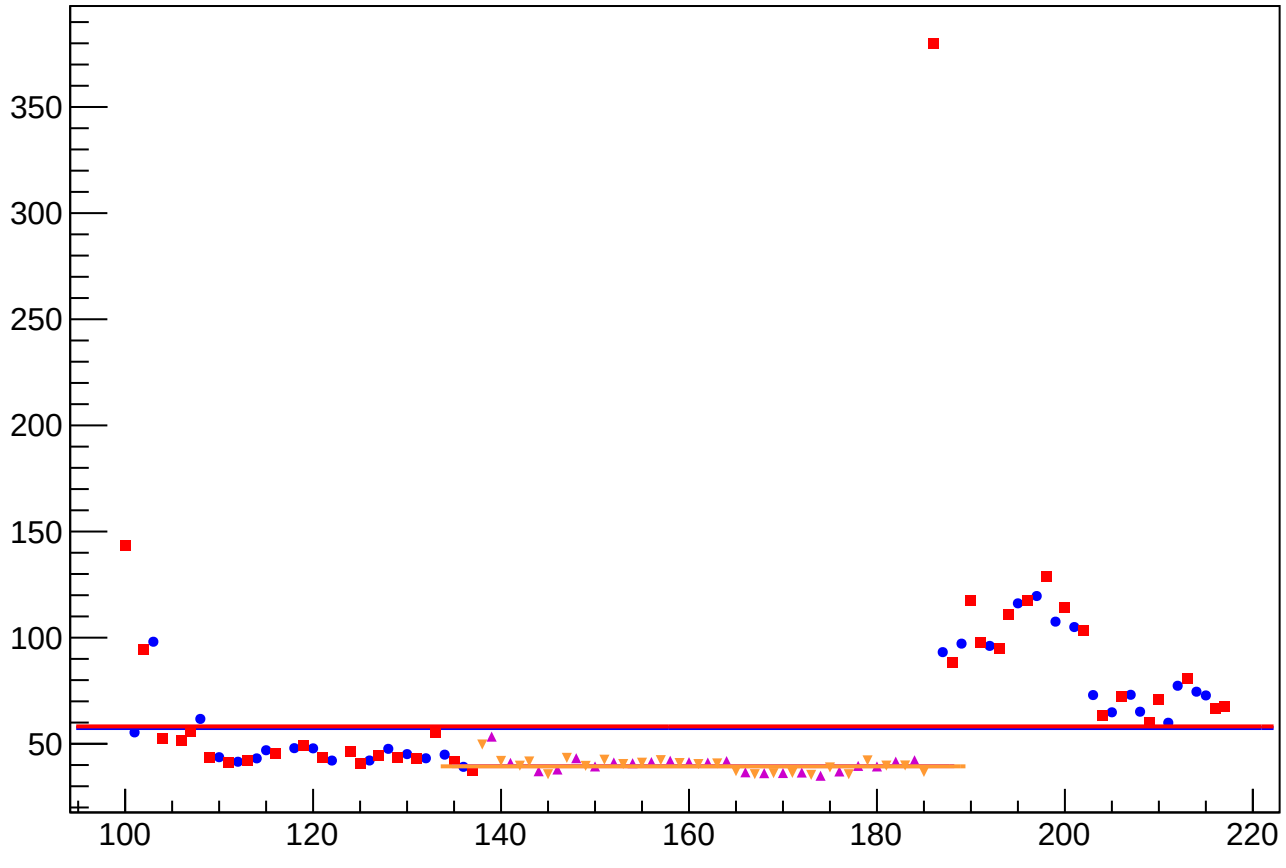
120
140
160
180
200
220
Right In: 36.701+/-13.943 χ²/NDF: 23.3/30
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 30.107+/-13.844 χ²/NDF: 46.5/35
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 33.381+/-9.824 χ²/NDF: 69.8/66
In: -6.961+/-7.720 χ²/NDF:59.9/53
Out: -14.943+/-7.542 χ²/NDF:120.2/60
All: -11.046+/-5.395 χ²/NDF: 180.7/114



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: 58.189+/-0.010 χ^2/NDF: 5258330.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

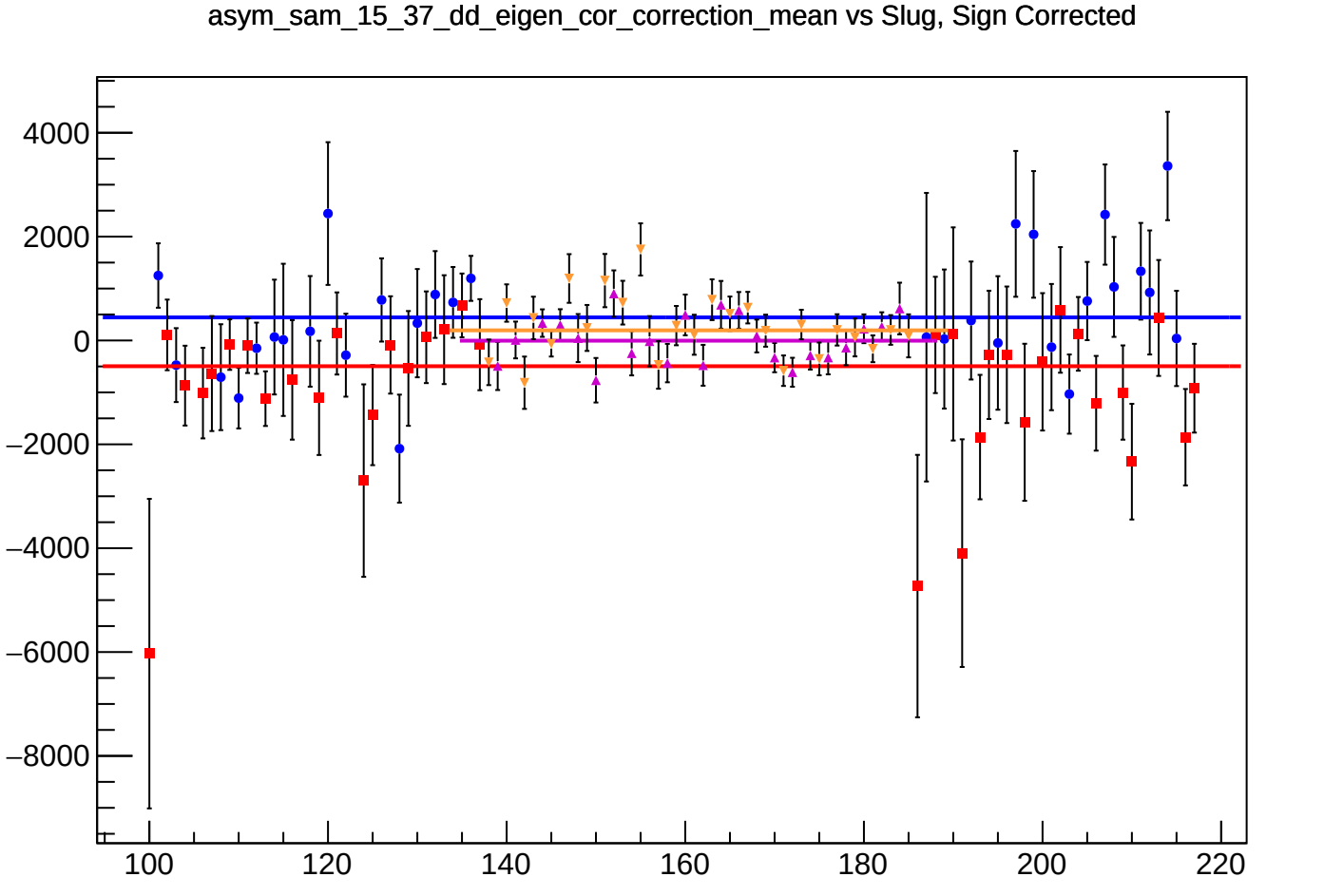
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.814+/-0.007 χ^2/NDF: 9289400.9/66

In: 44.992+/-0.005 χ^2/NDF:6576126.4/53

Out: 44.964+/-0.005 χ^2/NDF:8082723.4/60

All: 44.977+/-0.004 χ^2/NDF: 14658863.0/114



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: -495.869+/-151.125 χ^2/NDF: 31.9/35

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

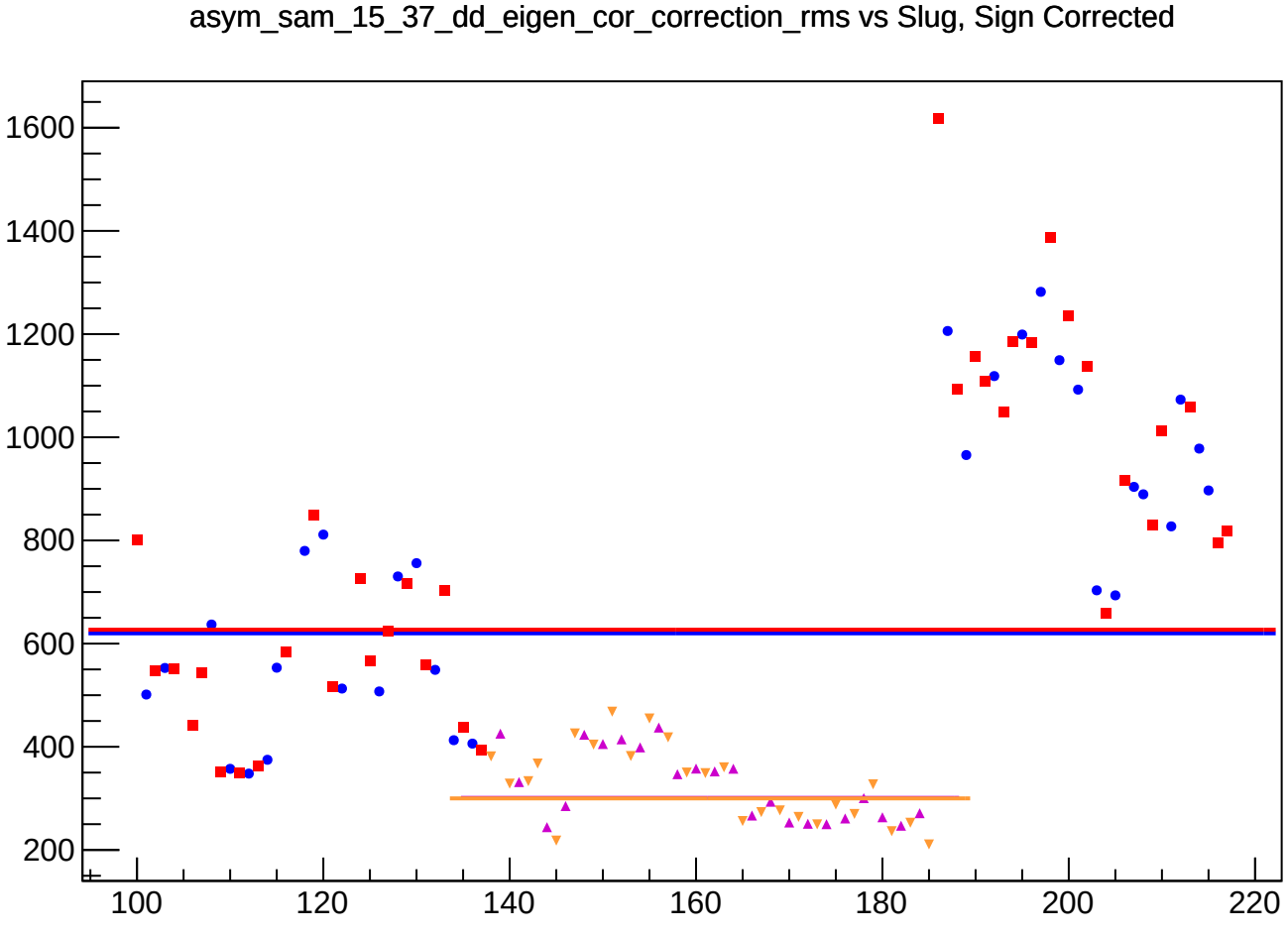
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -31.884+/-107.545 χ^2/NDF: 98.4/66

In: 77.140+/-65.139 χ^2/NDF:86.8/53

Out: 72.716+/-63.586 χ^2/NDF:97.7/60

All: 74.875+/-45.501 χ^2/NDF: 184.5/114



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: 626.921+/-0.107 χ^2/NDF: 6557747.5/35

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

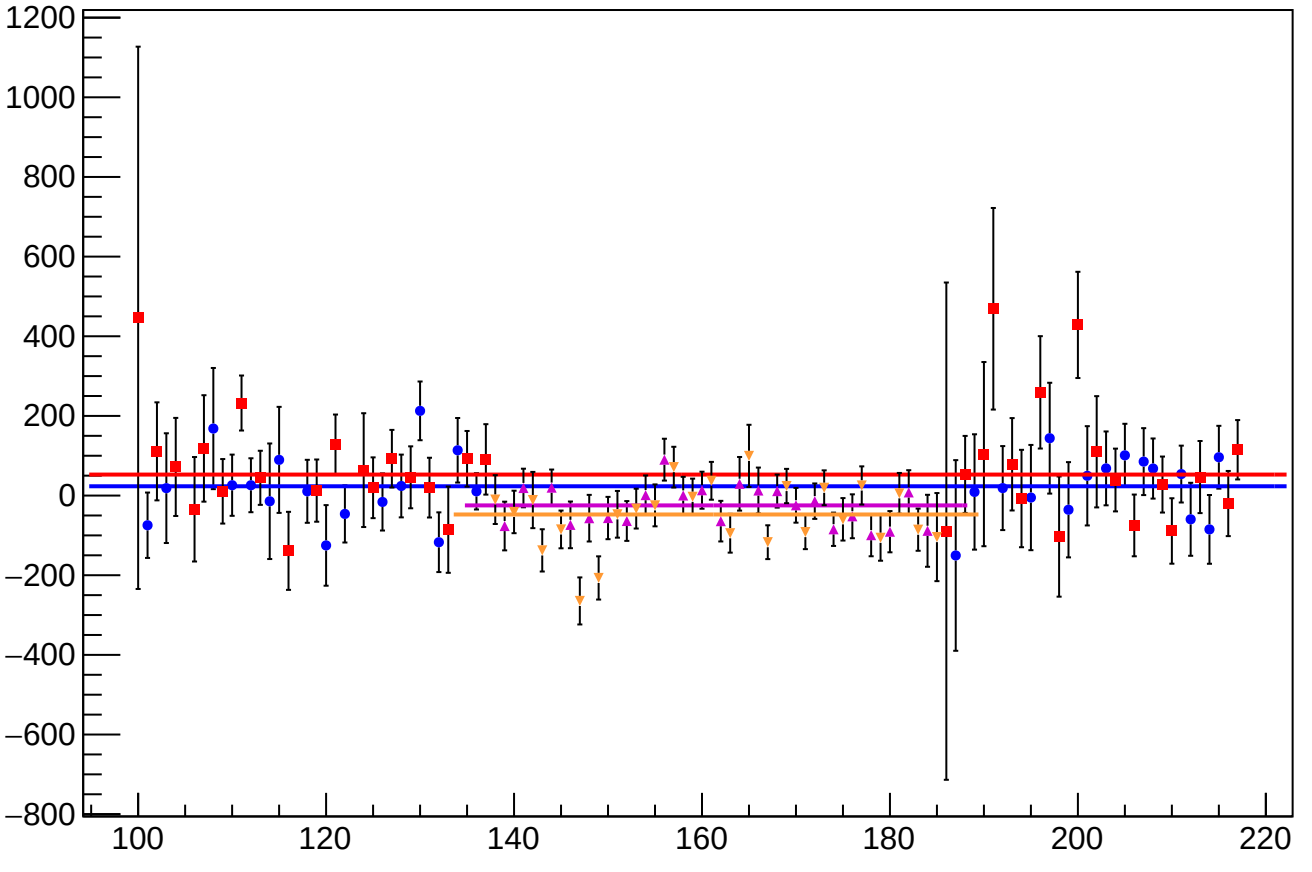
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 623.454+/-0.076 χ^2/NDF: 11983012.6/66

In: 358.744+/-0.046 χ^2/NDF:13938508.8/53

Out: 357.857+/-0.045 χ^2/NDF:16069705.4/60

All: 358.290+/-0.032 χ^2/NDF: 30008404.4/11



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: 52.726+/-15.697 χ^2/NDF: 38.0/35

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

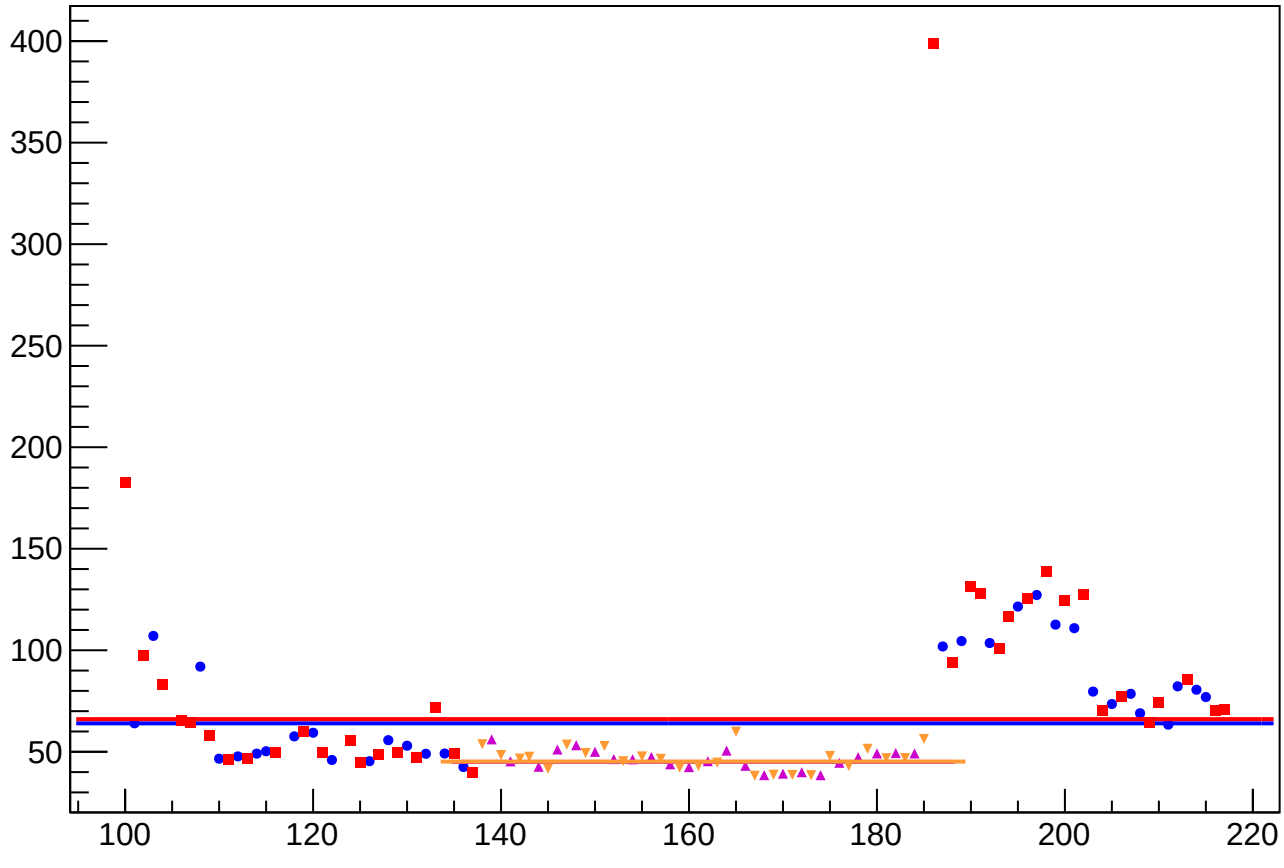
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 37.893+/-11.044 χ^2/NDF: 64.4/66

In: -9.318+/-8.791 χ^2/NDF:50.8/53

Out: -16.943+/-8.665 χ^2/NDF:121.0/60

All: -13.186+/-6.171 χ^2/NDF: 172.2/114



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: 66.090+/-0.011 χ^2/NDF: 4842834.5/35

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

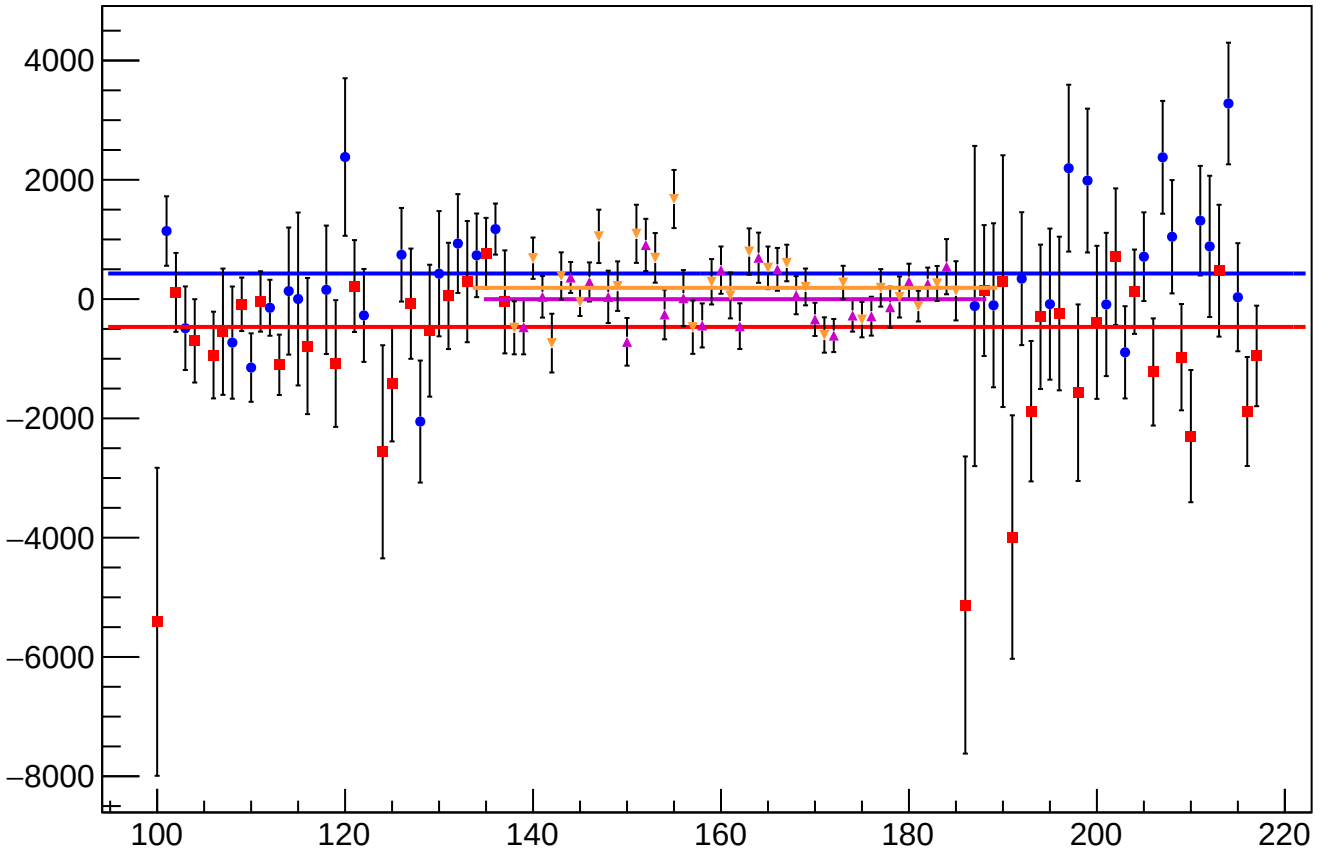
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 65.040+/-0.008 χ^2/NDF: 8575703.6/66

In: 51.094+/-0.006 χ^2/NDF:6119194.1/53

Out: 51.549+/-0.006 χ^2/NDF:7801459.5/60

All: 51.325+/-0.004 χ^2/NDF: 13923369.9/114



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: -466.522+/-145.558 χ^2/NDF: 35.1/35

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

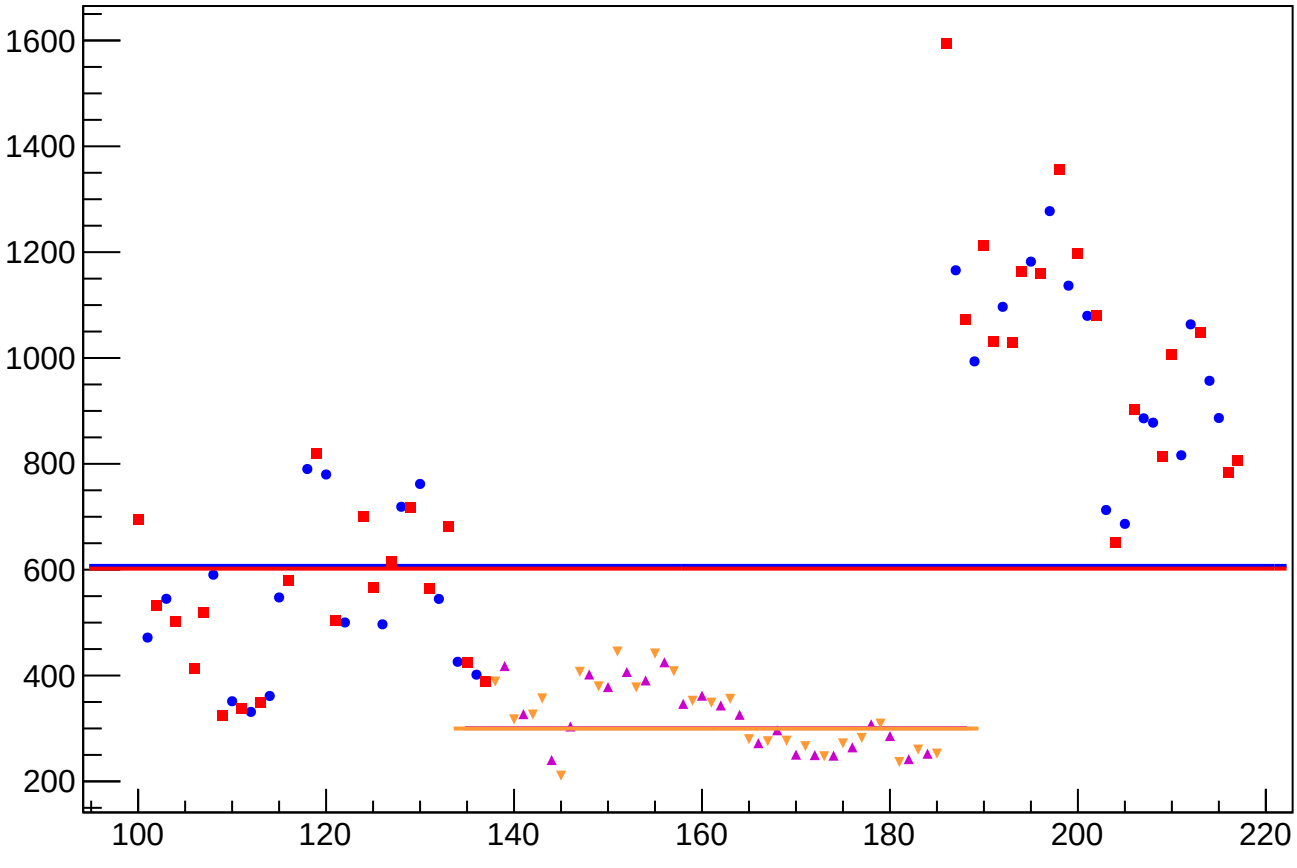
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: -32.738+/-104.519 χ^2/NDF: 100.7/66

In: 78.313+/-64.713 χ^2/NDF:86.2/53

Out: 66.536+/-62.874 χ^2/NDF:98.4/60

All: 72.255+/-45.095 χ^2/NDF: 184.5/114



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: 601.986+/-0.103 χ^2/NDF: 6931999.2/35

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

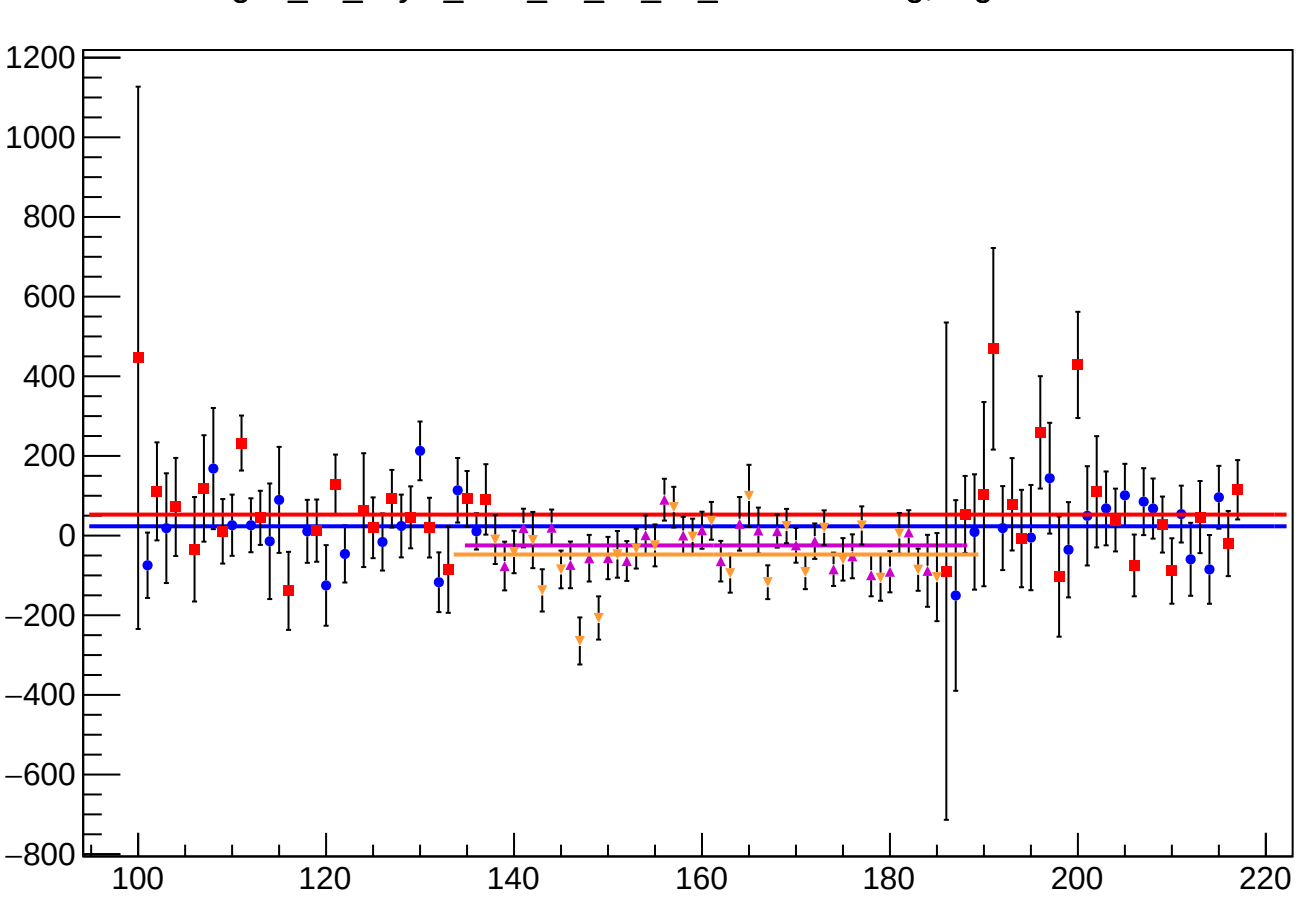
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 604.485+/-0.074 χ^2/NDF: 12518945.1/66

In: 357.476+/-0.046 χ^2/NDF:13633450.0/53

Out: 356.182+/-0.044 χ^2/NDF:15521176.6/60

All: 356.810+/-0.032 χ^2/NDF: 29155037.8/11



Right In: 23.351+/-15.542 χ^2/NDF: 24.6/30

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 52.727+/-15.697 χ^2/NDF: 38.0/35

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

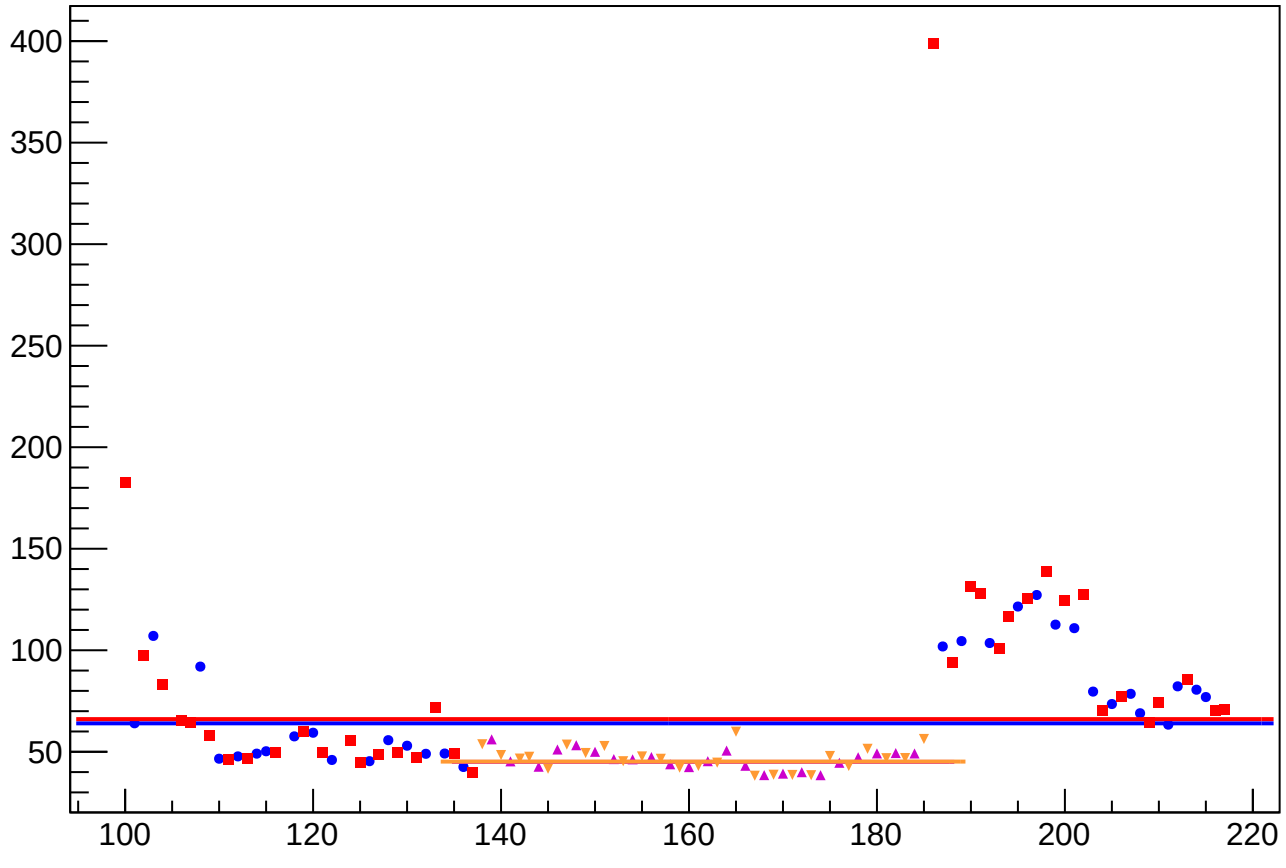
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 37.894+/-11.044 χ^2/NDF: 64.4/66

In: -9.319+/-8.791 χ^2/NDF:50.8/53

Out: -16.943+/-8.665 χ^2/NDF:121.0/60

All: -13.186+/-6.171 χ^2/NDF: 172.2/114



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: 66.090+/-0.011 χ^2/NDF: 4842837.8/35

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

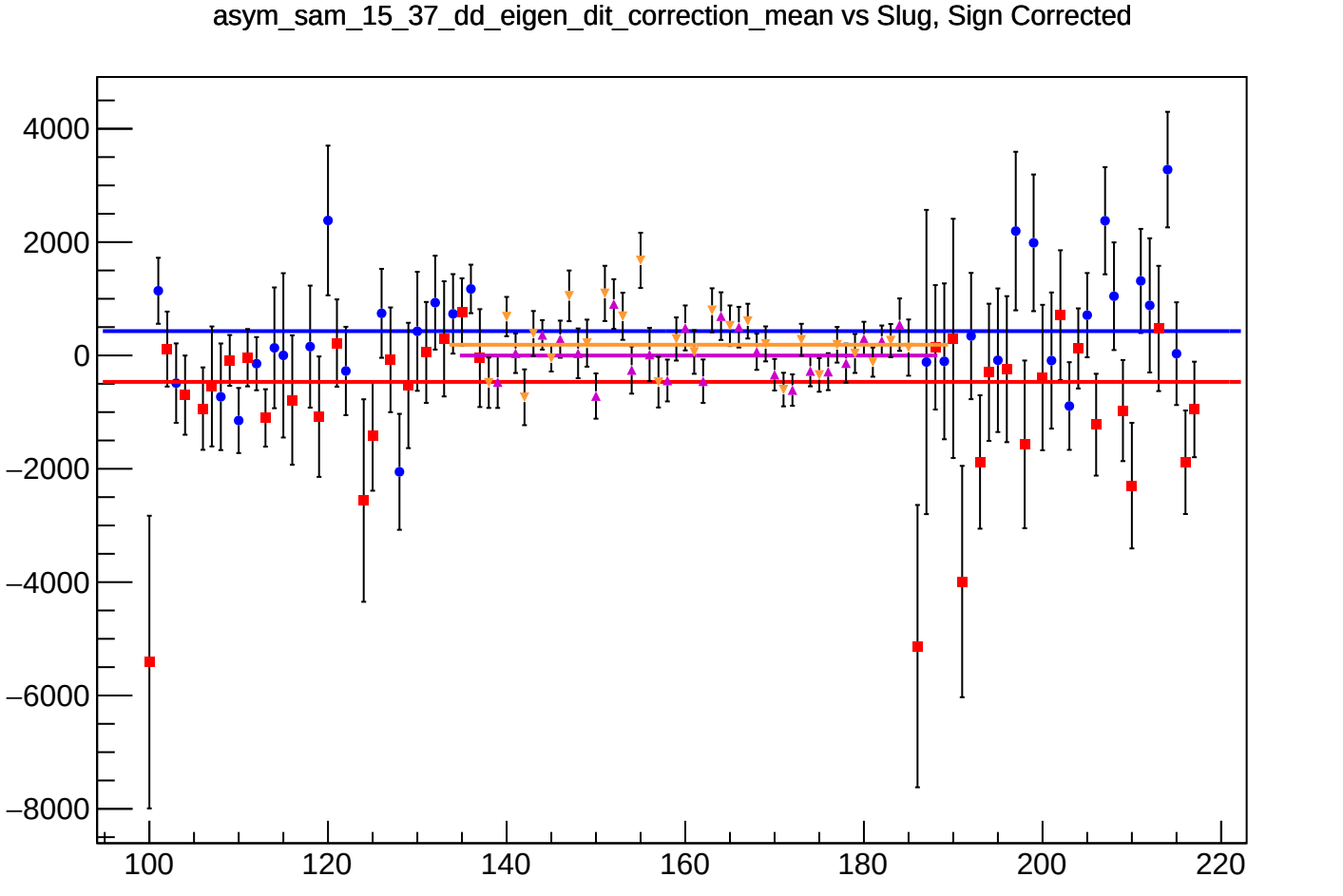
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 65.040+/-0.008 χ^2/NDF: 8575711.9/66

In: 51.094+/-0.006 χ^2/NDF:6119190.8/53

Out: 51.549+/-0.006 χ^2/NDF:7801469.2/60

All: 51.325+/-0.004 χ^2/NDF: 13923376.0/114



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: -466.521+/-145.557 χ^2/NDF: 35.1/35

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

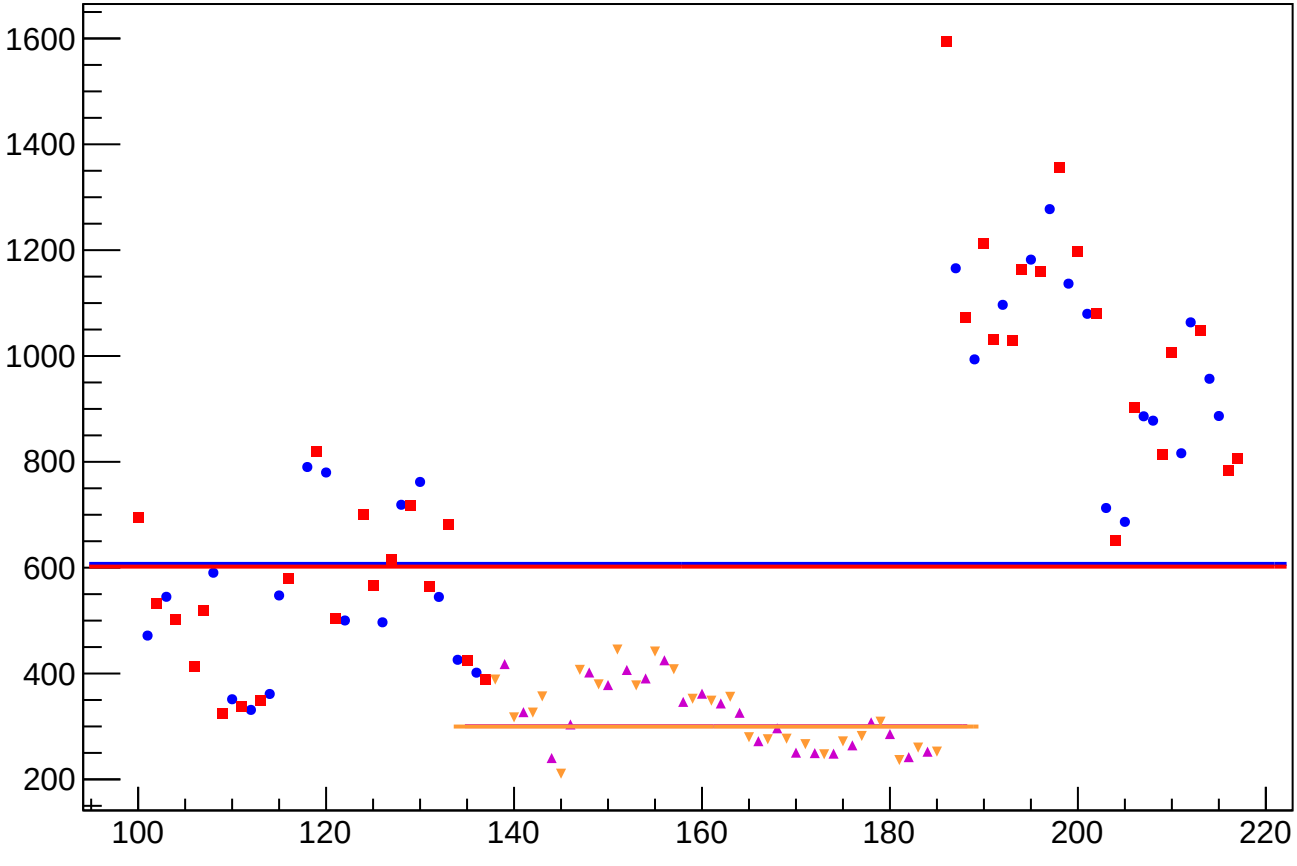
Right: -32.739+/-104.519 χ^2/NDF: 100.7/66

In: 78.313+/-64.713 χ^2/NDF:86.2/53

Out: 66.536+/-62.874 χ^2/NDF:98.4/60

All: 72.255+/-45.095 χ^2/NDF: 184.5/114

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: 601.986+/-0.103 χ^2/NDF: 6932014.5/35

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

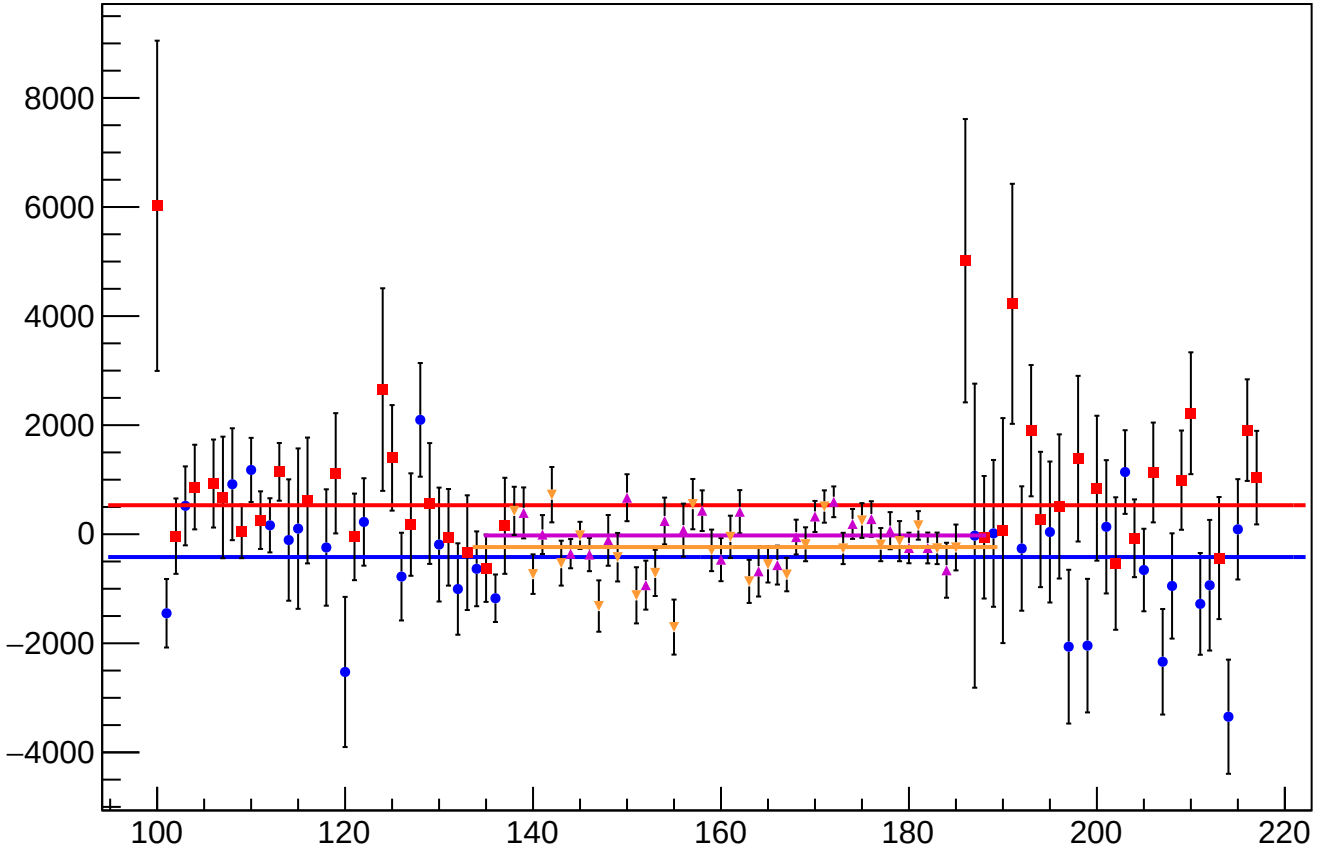
Right: 604.484+/-0.074 χ^2/NDF: 12518980.3/66

In: 357.476+/-0.046 χ^2/NDF:13633419.4/53

Out: 356.182+/-0.044 χ^2/NDF:15521155.7/60

All: 356.811+/-0.032 χ^2/NDF: 29154986.6/11

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: 531.770+/-151.583 χ^2/NDF: 30.4/35

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

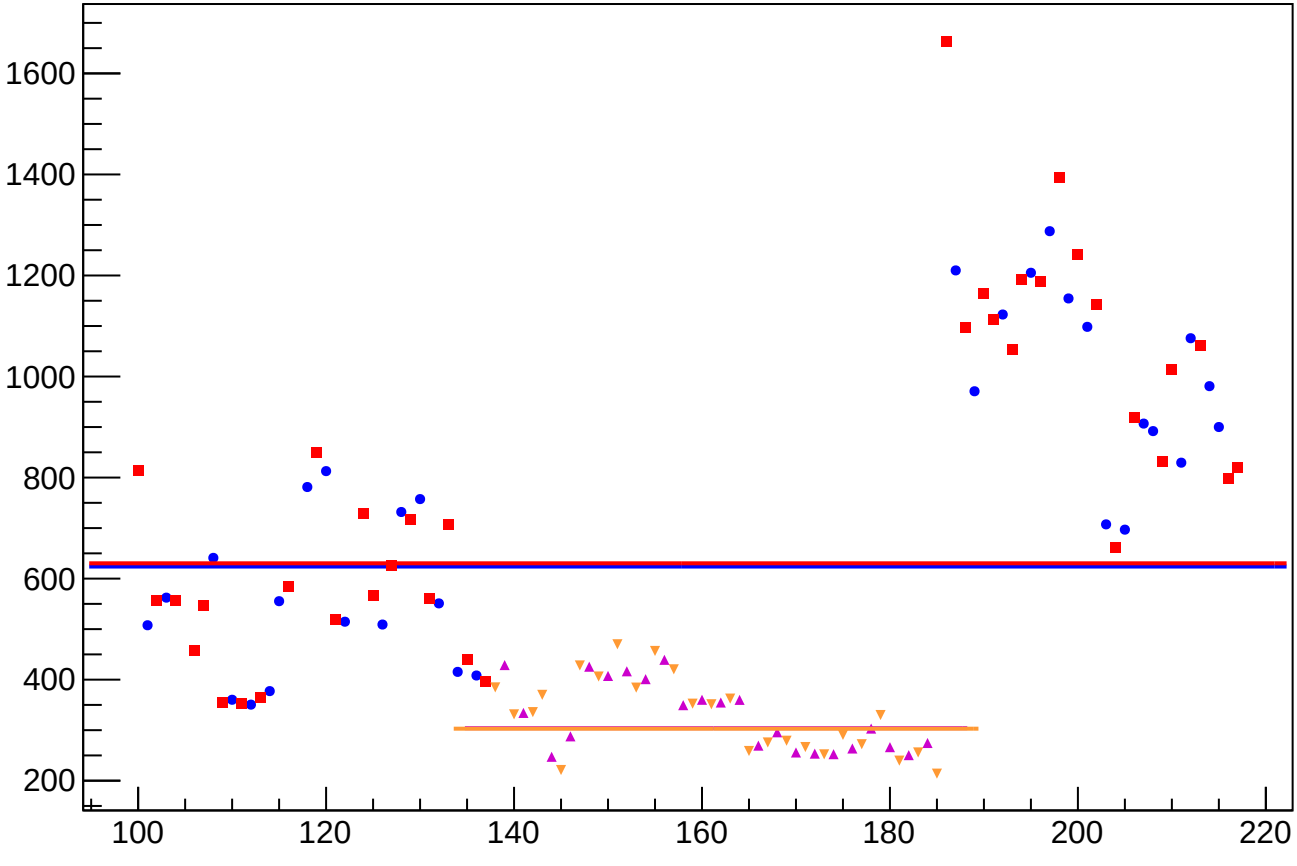
Right: 64.044+/-108.023 χ^2/NDF: 98.7/66

In: -94.739+/-65.698 χ^2/NDF:84.2/53

Out: -98.007+/-64.104 χ^2/NDF:98.9/60

All: -96.413+/-45.882 χ^2/NDF: 183.1/114

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: 630.297+/-0.107 χ^2/NDF: 6528802.3/35

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

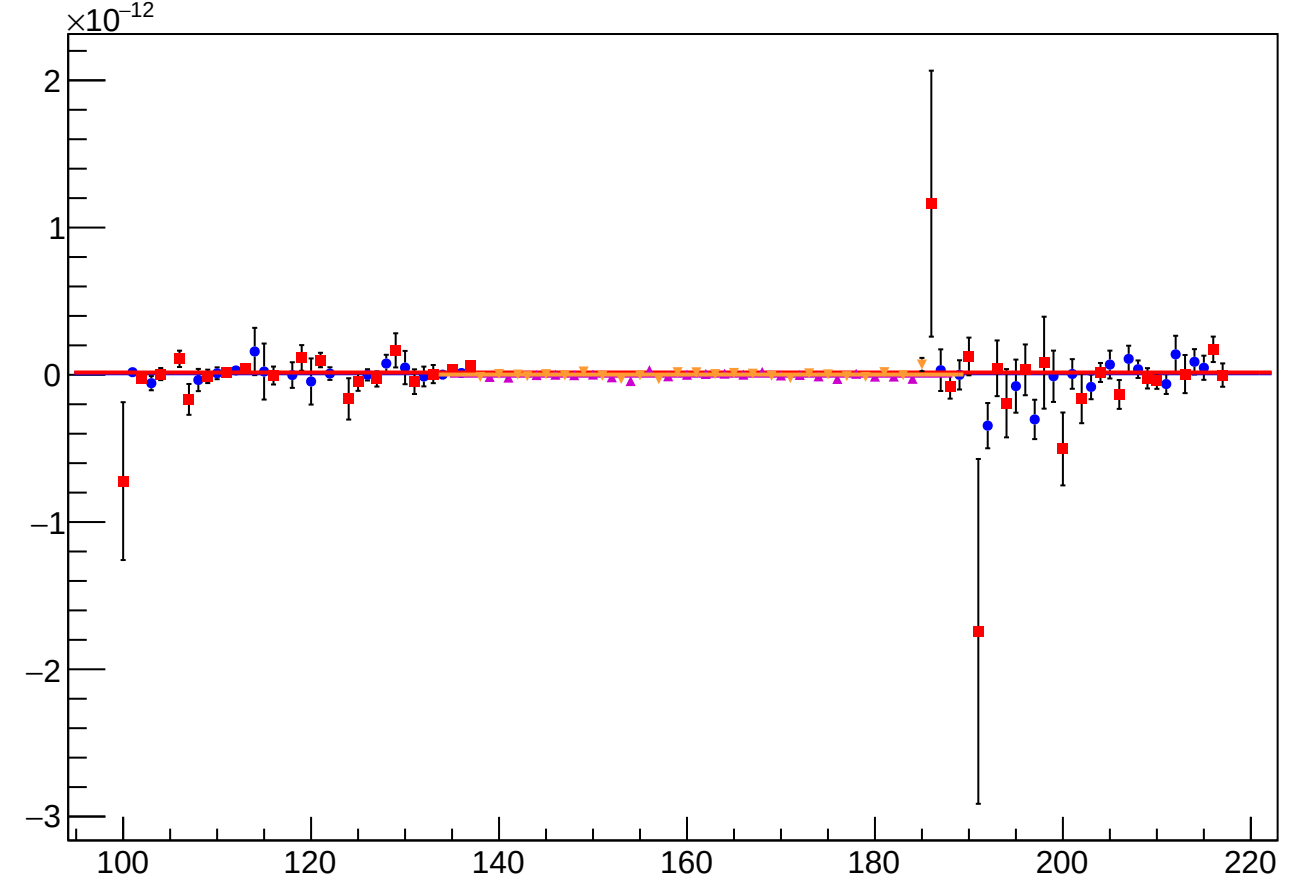
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 627.146+/-0.076 χ^2/NDF: 11918245.2/66

In: 362.172+/-0.046 χ^2/NDF:13828045.1/53

Out: 361.488+/-0.045 χ^2/NDF:15954145.9/60

All: 361.822+/-0.032 χ^2/NDF: 29782302.1/11



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: 43.1/35

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

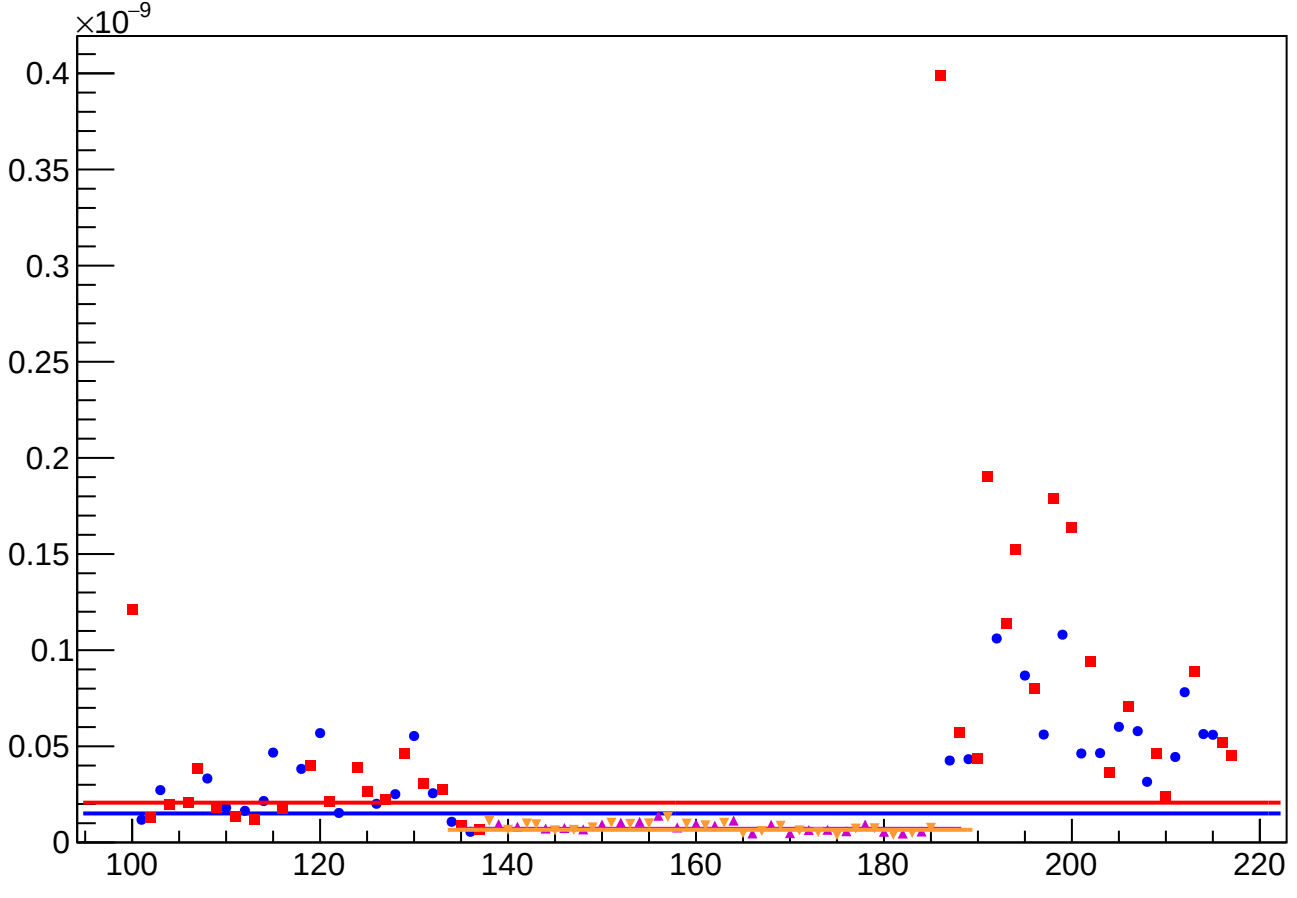
Right: 0.000+/-0.000 χ^2/NDF: 66.2/66

In: -0.000+/-0.000 χ^2/NDF:45.2/53

Out: 0.000+/-0.000 χ^2/NDF:67.9/60

All: -0.000+/-0.000 χ^2/NDF: 116.7/114

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7371059.0/35

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

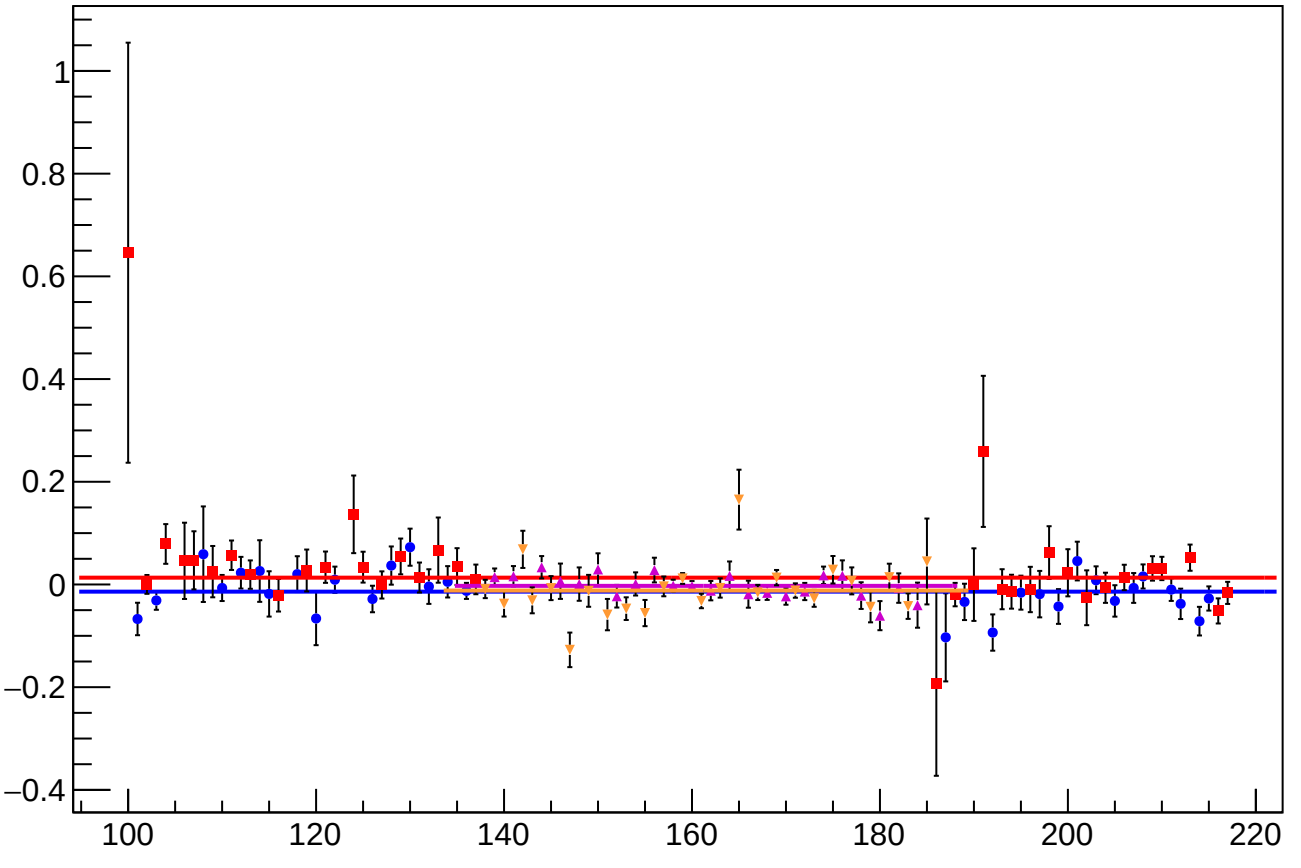
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15751664.2/66

In: 0.000+/-0.000 χ^2/NDF:10873040.3/53

Out: 0.000+/-0.000 χ^2/NDF:12946731.8/60

All: 0.000+/-0.000 χ^2/NDF: 23856190.1/114



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: 0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

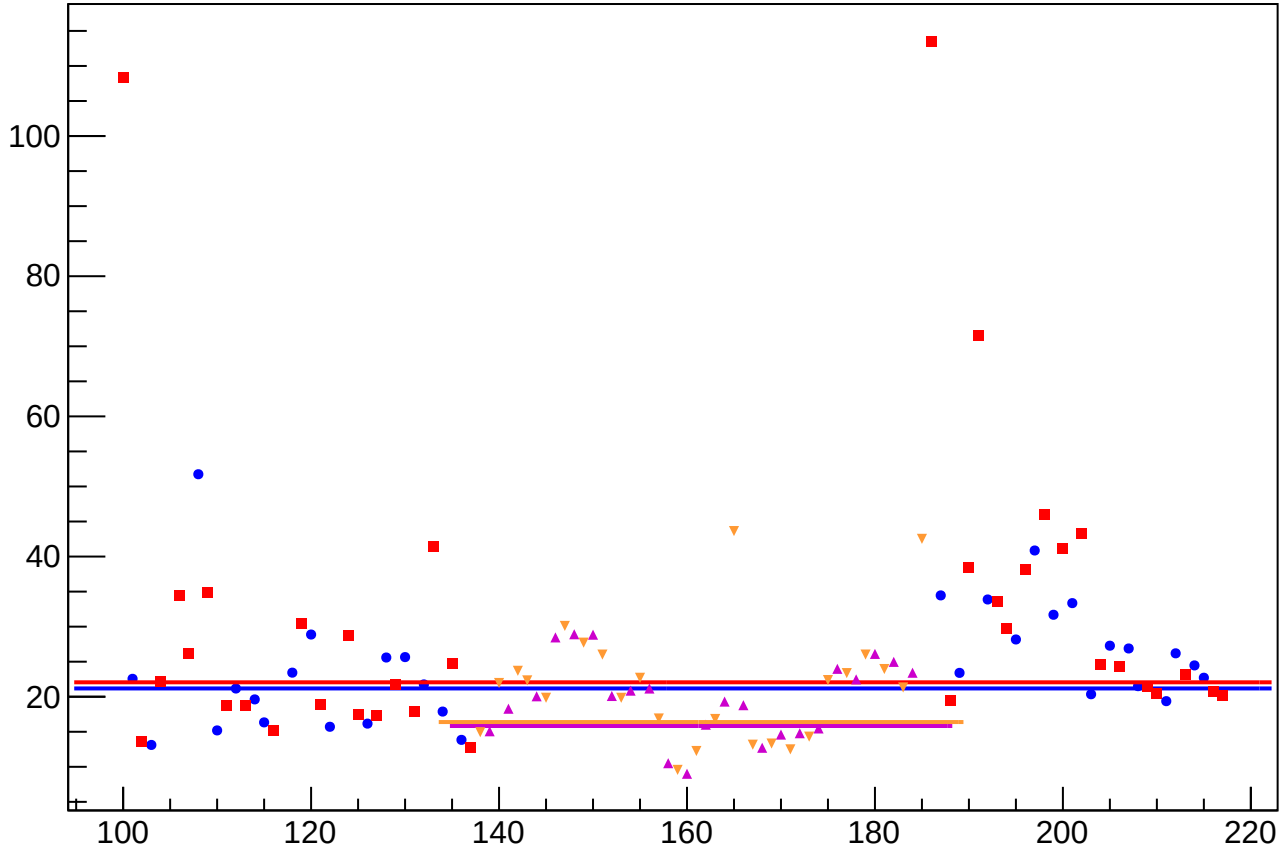
Right: -0.001+/-0.004 χ^2/NDF: 86.4/66

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.003+/-0.003 χ^2/NDF:105.5/60

All: -0.005+/-0.002 χ^2/NDF: 164.0/114

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: 22.057+/-0.004 χ^2/NDF: 4139487.9/35

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

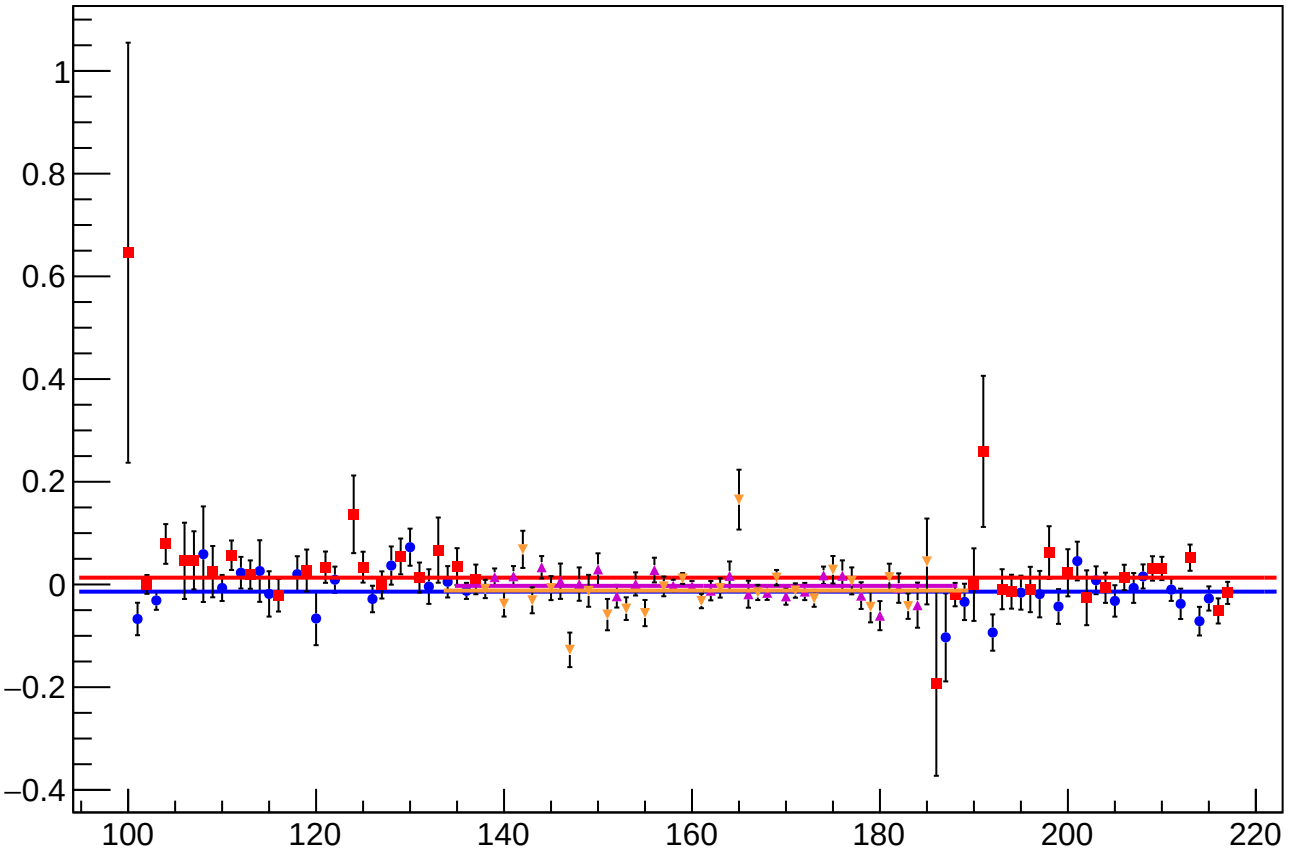
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.609+/-0.003 χ^2/NDF: 7106690.6/66

In: 17.797+/-0.002 χ^2/NDF:7890307.3/53

Out: 18.430+/-0.002 χ^2/NDF:9570367.1/60

All: 18.109+/-0.002 χ^2/NDF: 17499041.1/114



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: 0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

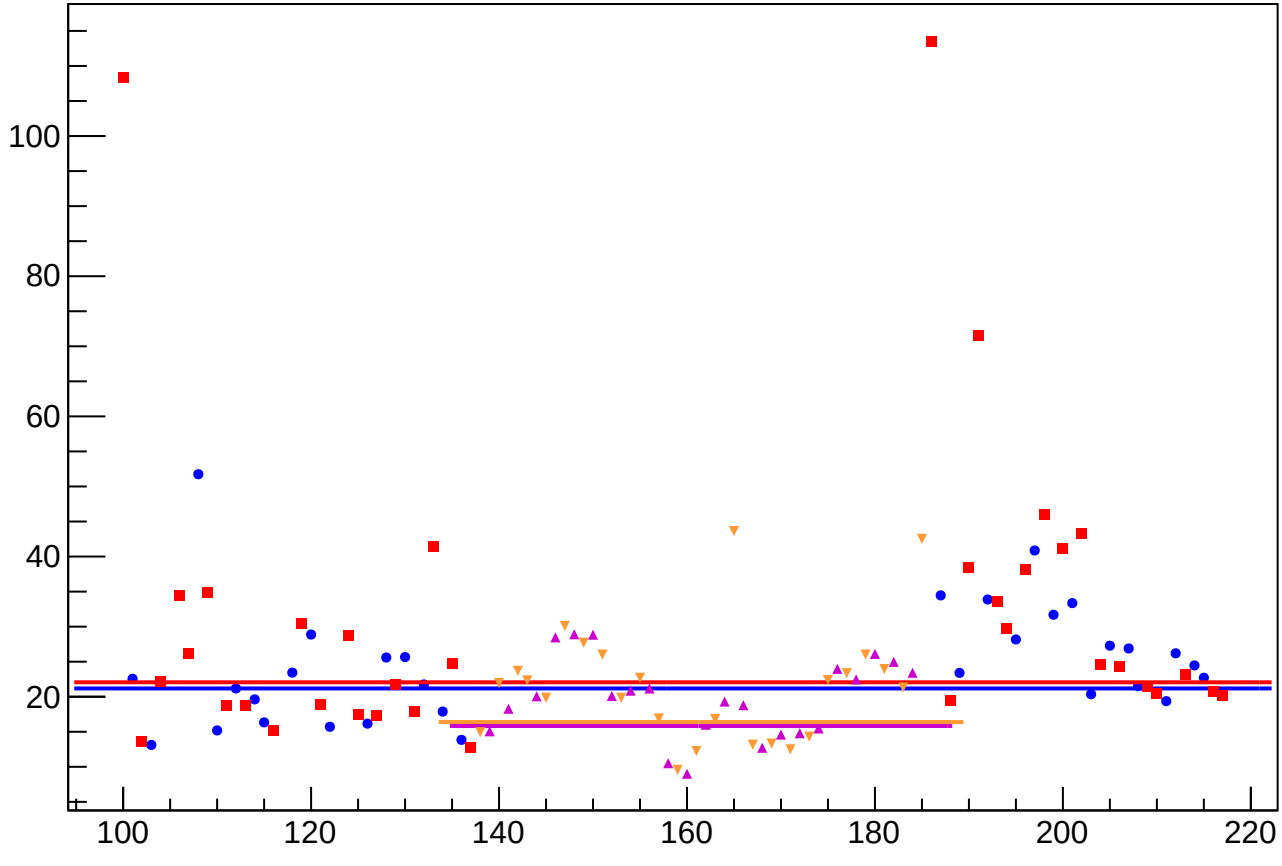
Right: -0.001+/-0.004 χ^2/NDF: 86.4/66

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.003+/-0.003 χ^2/NDF:105.5/60

All: -0.005+/-0.002 χ^2/NDF: 164.0/114

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: 22.057+/-0.004 χ^2/NDF: 4139487.9/35

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

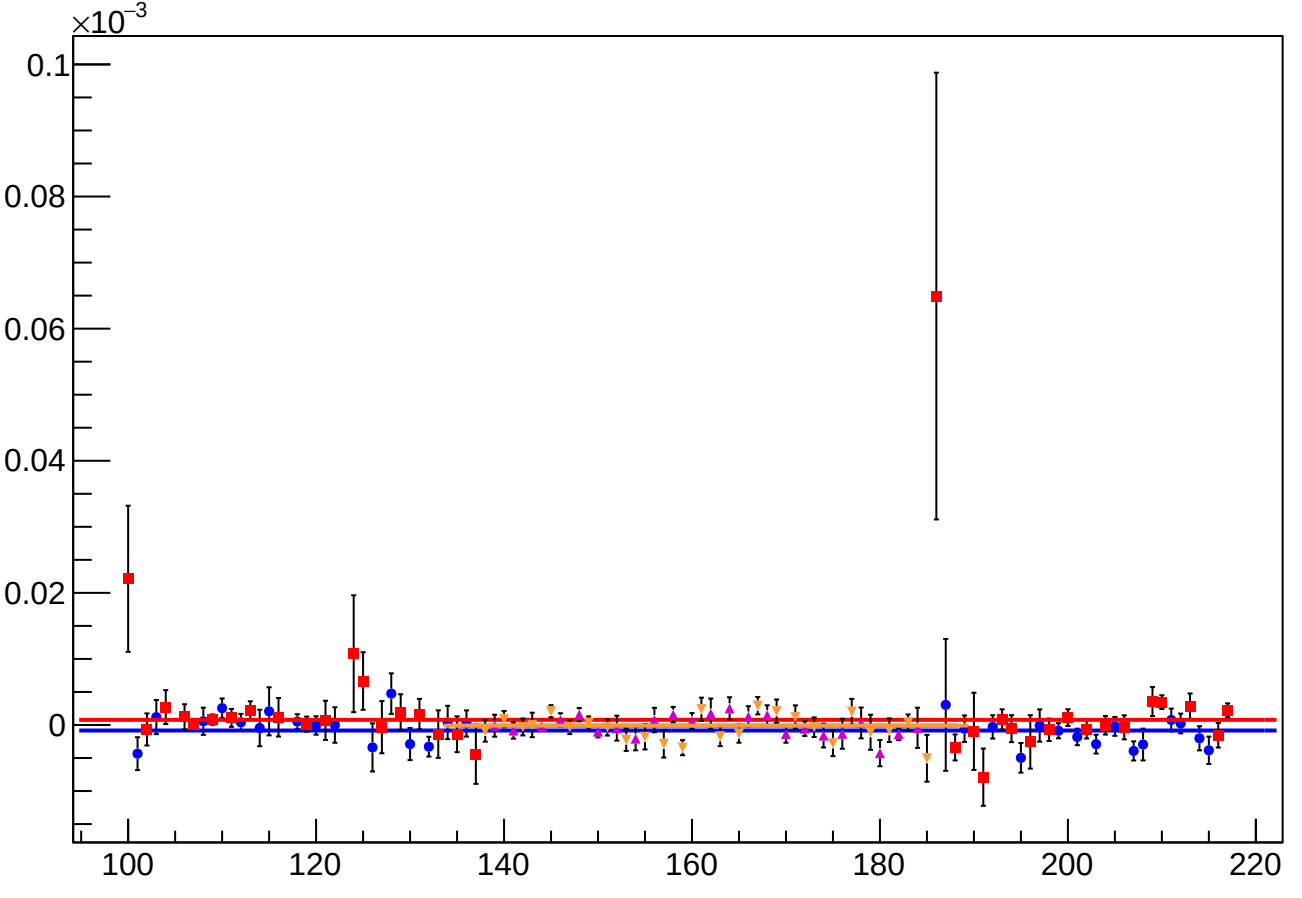
Right: 21.609+/-0.003 χ^2/NDF: 7106690.6/66

In: 17.797+/-0.002 χ^2/NDF:7890307.3/53

Out: 18.430+/-0.002 χ^2/NDF:9570367.1/60

All: 18.109+/-0.002 χ^2/NDF: 17499041.1/114

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 41.9/35

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

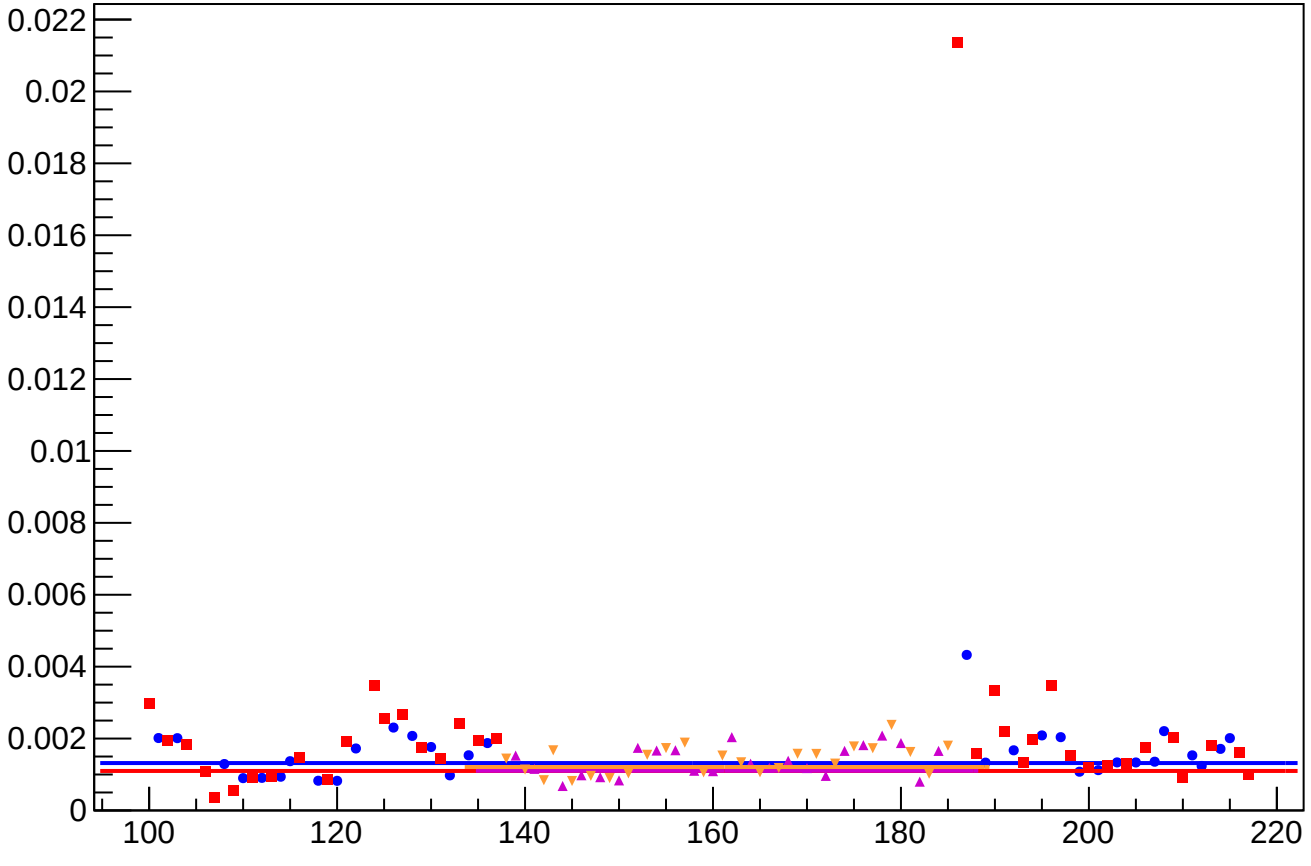
Right: 0.000+/-0.000 χ^2/NDF: 91.7/66

In: -0.000+/-0.000 χ^2/NDF:60.3/53

Out: 0.000+/-0.000 χ^2/NDF:82.7/60

All: -0.000+/-0.000 χ^2/NDF: 150.1/114

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: 8820992.5/35

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

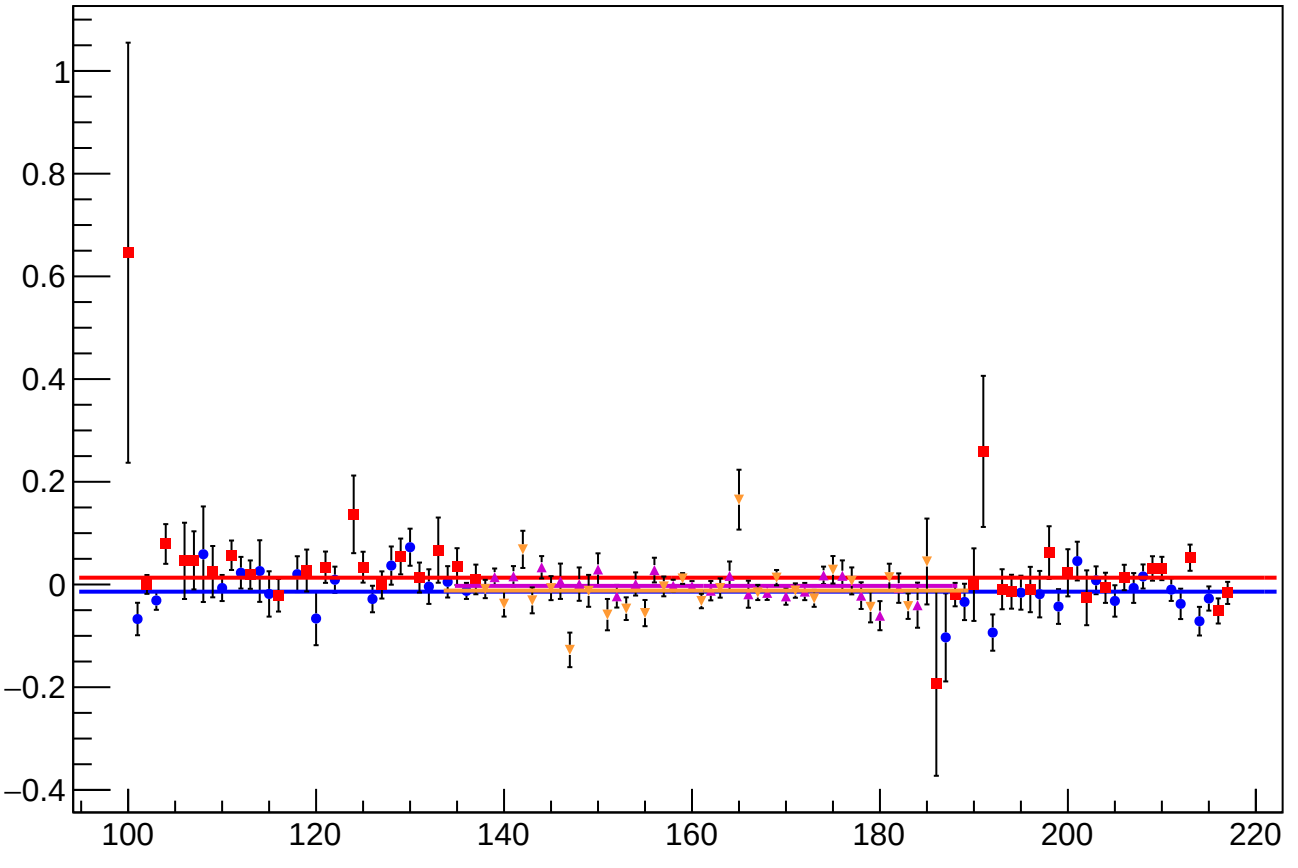
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 12793999.8/66

In: 0.001+/-0.000 χ^2/NDF:7450649.9/53

Out: 0.001+/-0.000 χ^2/NDF:11690220.4/60

All: 0.001+/-0.000 χ^2/NDF: 19185533.8/114



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: 0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

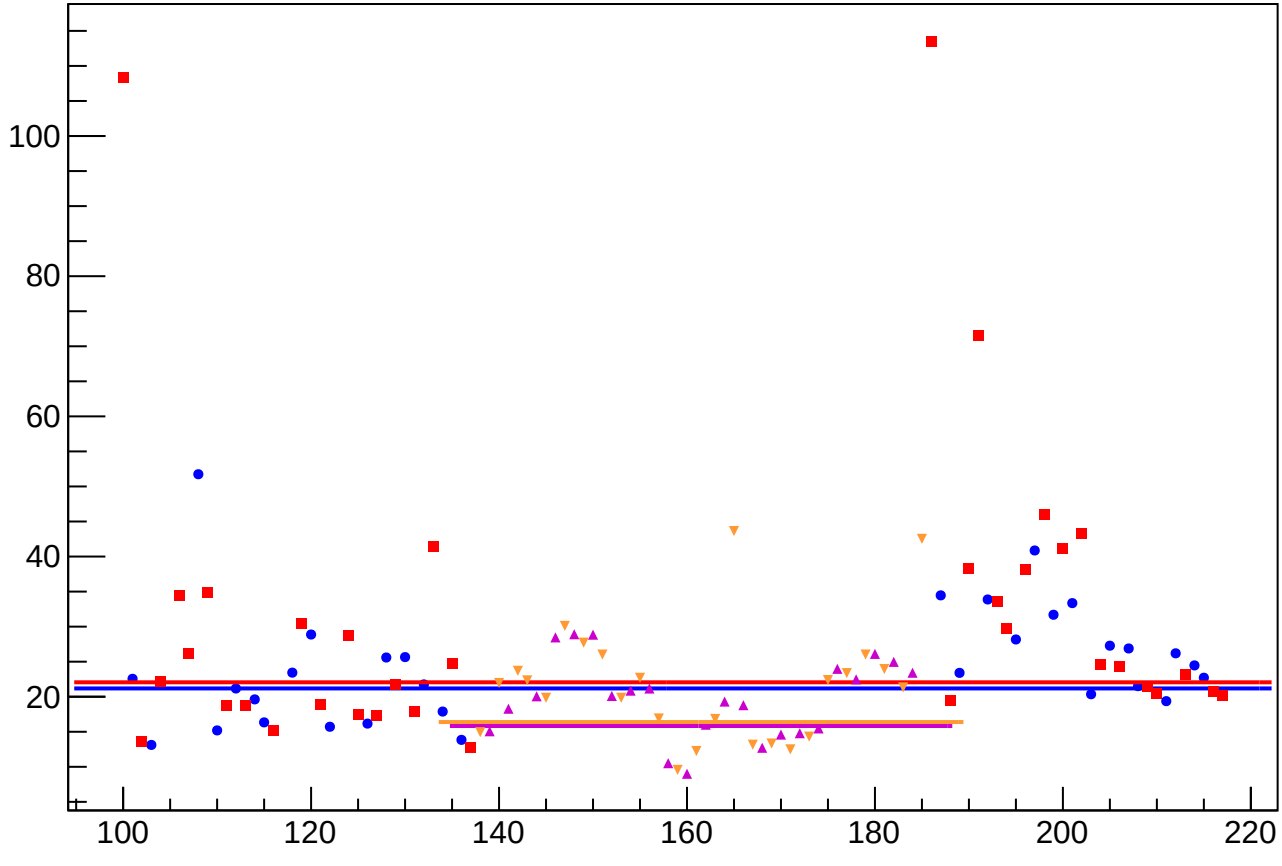
Right: -0.001+/-0.004 χ^2/NDF: 86.4/66

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.003+/-0.003 χ^2/NDF:105.5/60

All: -0.005+/-0.002 χ^2/NDF: 164.0/114

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: 22.058+/-0.004 χ^2/NDF: 4139242.9/35

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

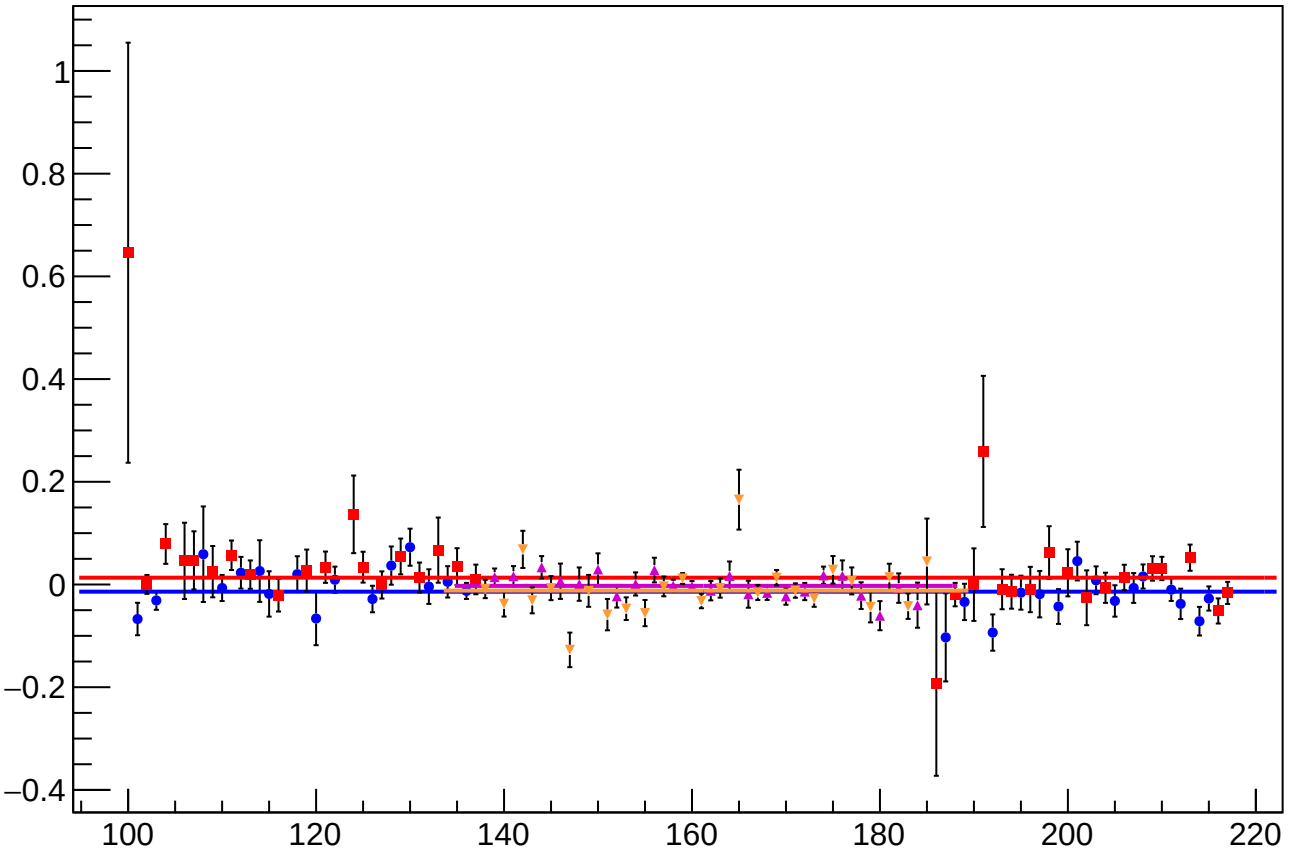
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.609+/-0.003 χ^2/NDF: 7106489.9/66

In: 17.797+/-0.002 χ^2/NDF:7890824.0/53

Out: 18.430+/-0.002 χ^2/NDF:9570619.1/60

All: 18.109+/-0.002 χ^2/NDF: 17499826.0/114



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: 0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

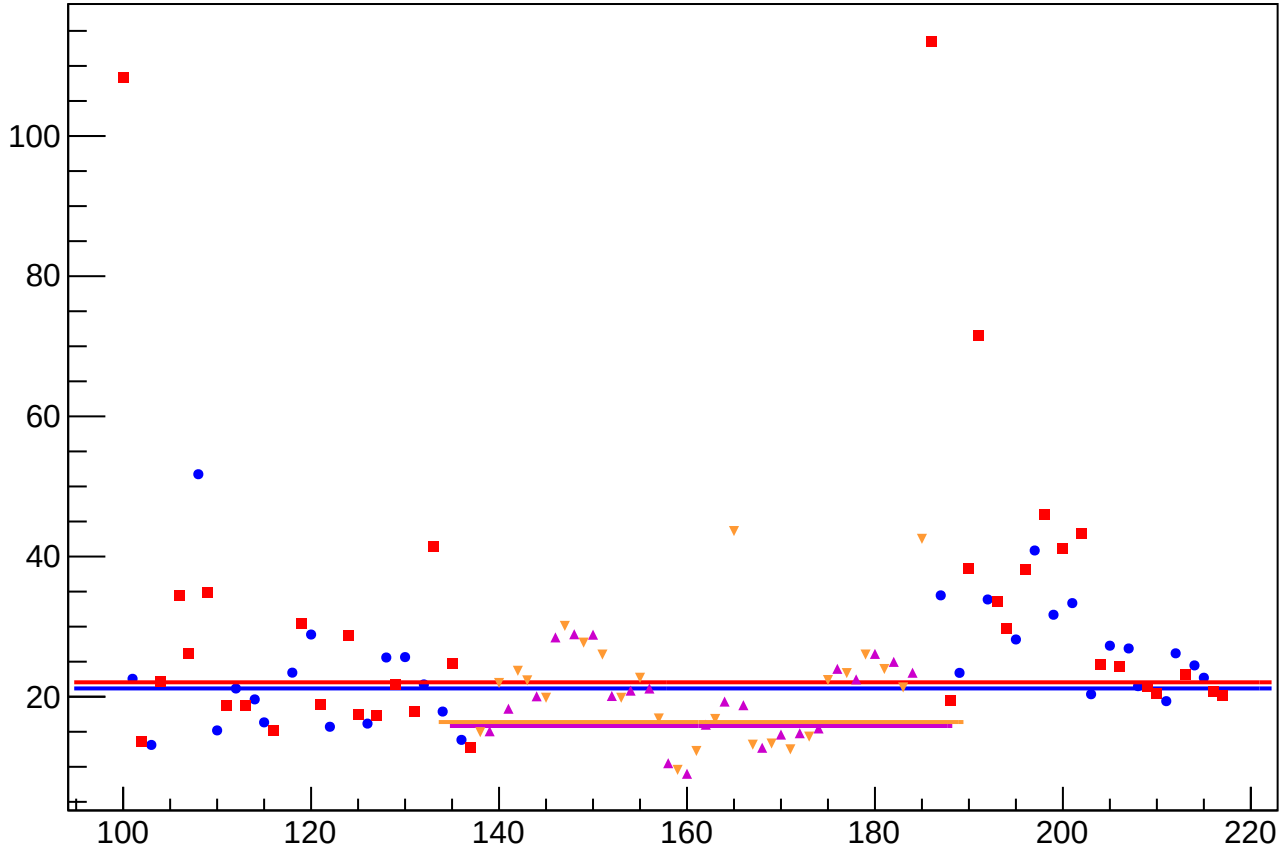
Right: -0.001+/-0.004 χ^2/NDF: 86.4/66

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.003+/-0.003 χ^2/NDF:105.5/60

All: -0.005+/-0.002 χ^2/NDF: 164.0/114

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: 22.058+/-0.004 χ^2/NDF: 4139242.9/35

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

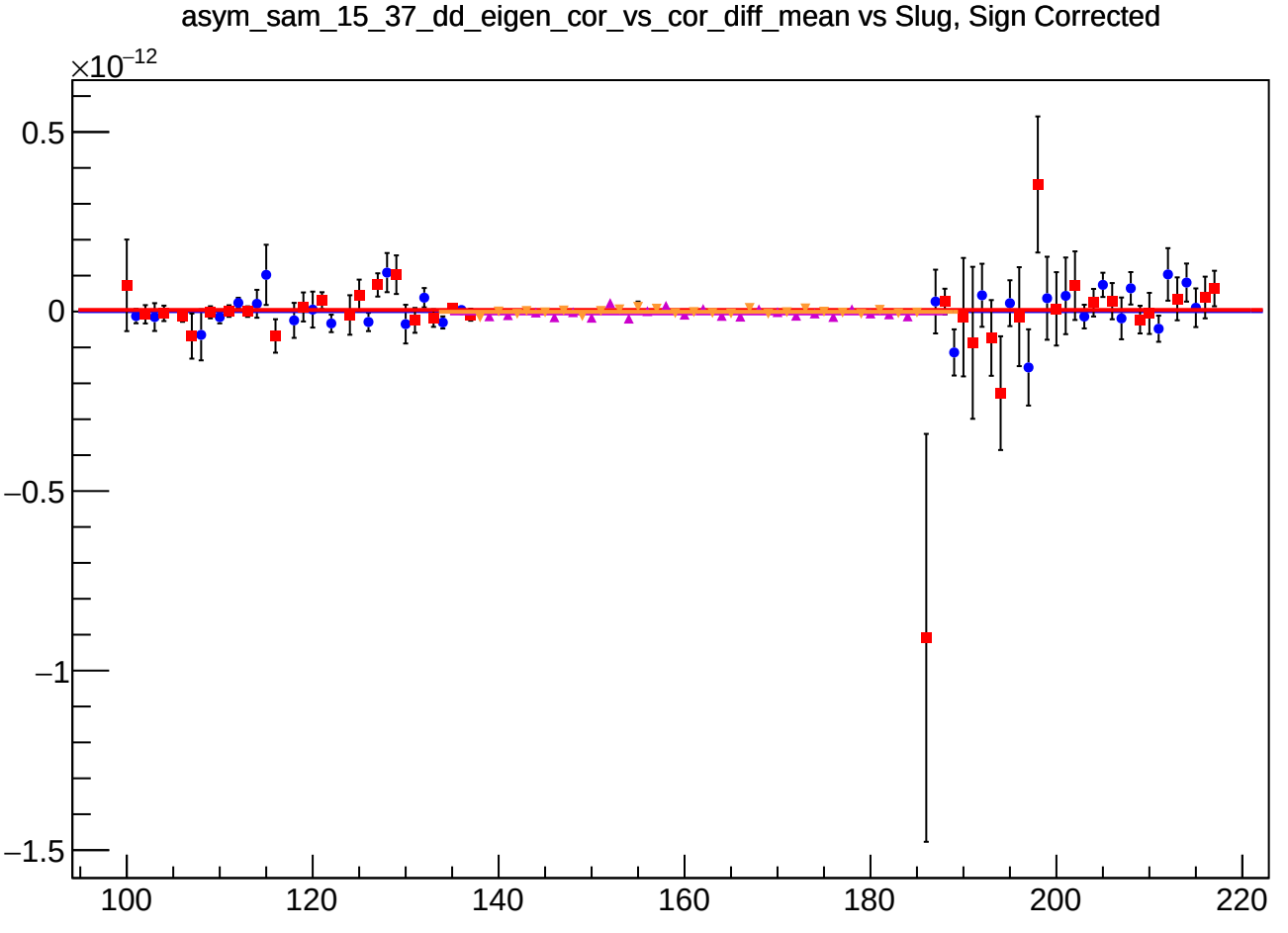
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.609+/-0.003 χ^2/NDF: 7106489.9/66

In: 17.797+/-0.002 χ^2/NDF:7890824.0/53

Out: 18.430+/-0.002 χ^2/NDF:9570619.1/60

All: 18.109+/-0.002 χ^2/NDF: 17499826.0/114



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: 32.2/35

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

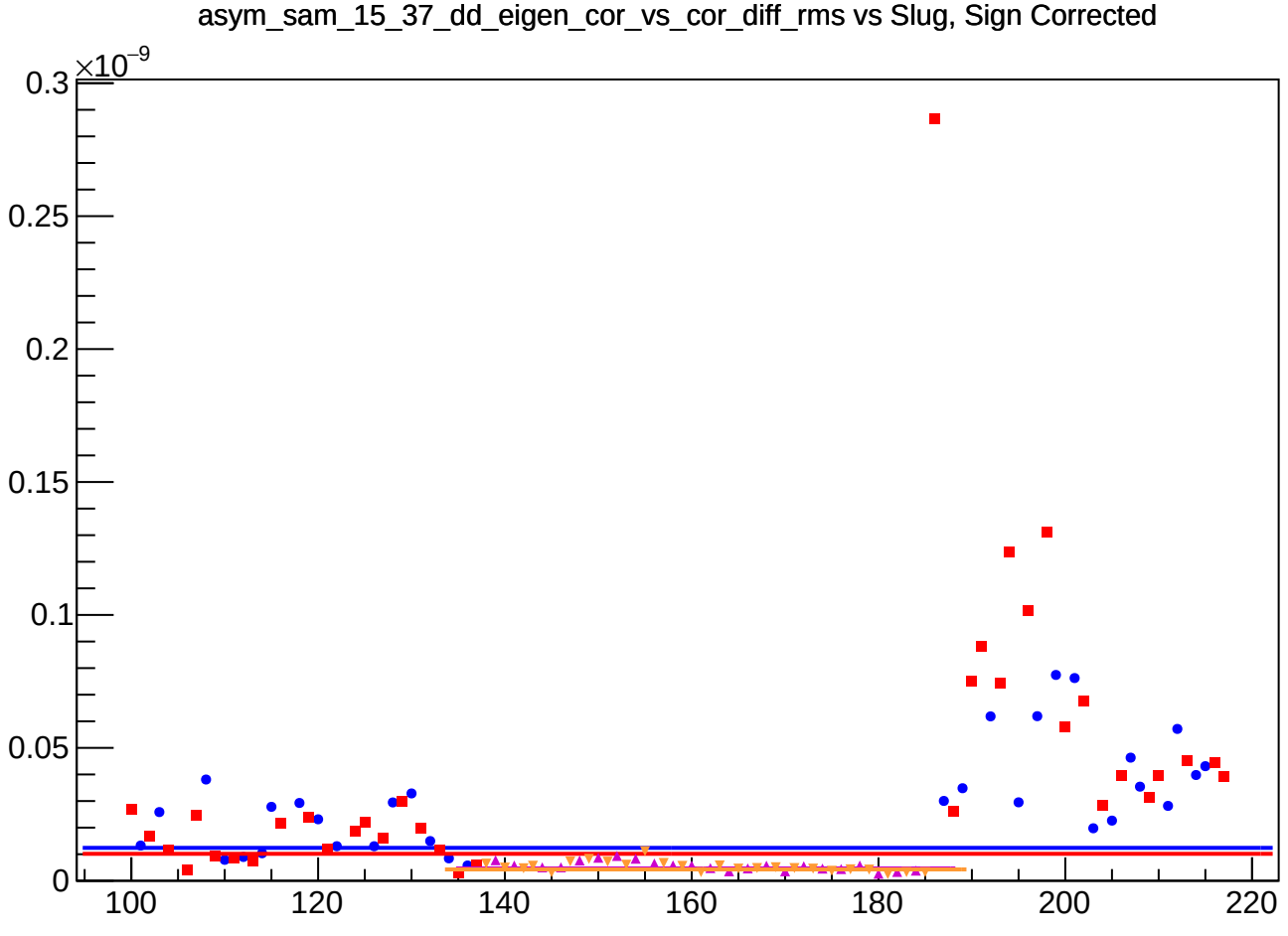
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 72.0/66

In: -0.000+/-0.000 χ^2/NDF:79.1/53

Out: -0.000+/-0.000 χ^2/NDF:52.6/60

All: -0.000+/-0.000 χ^2/NDF: 137.9/114



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: 14140733.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

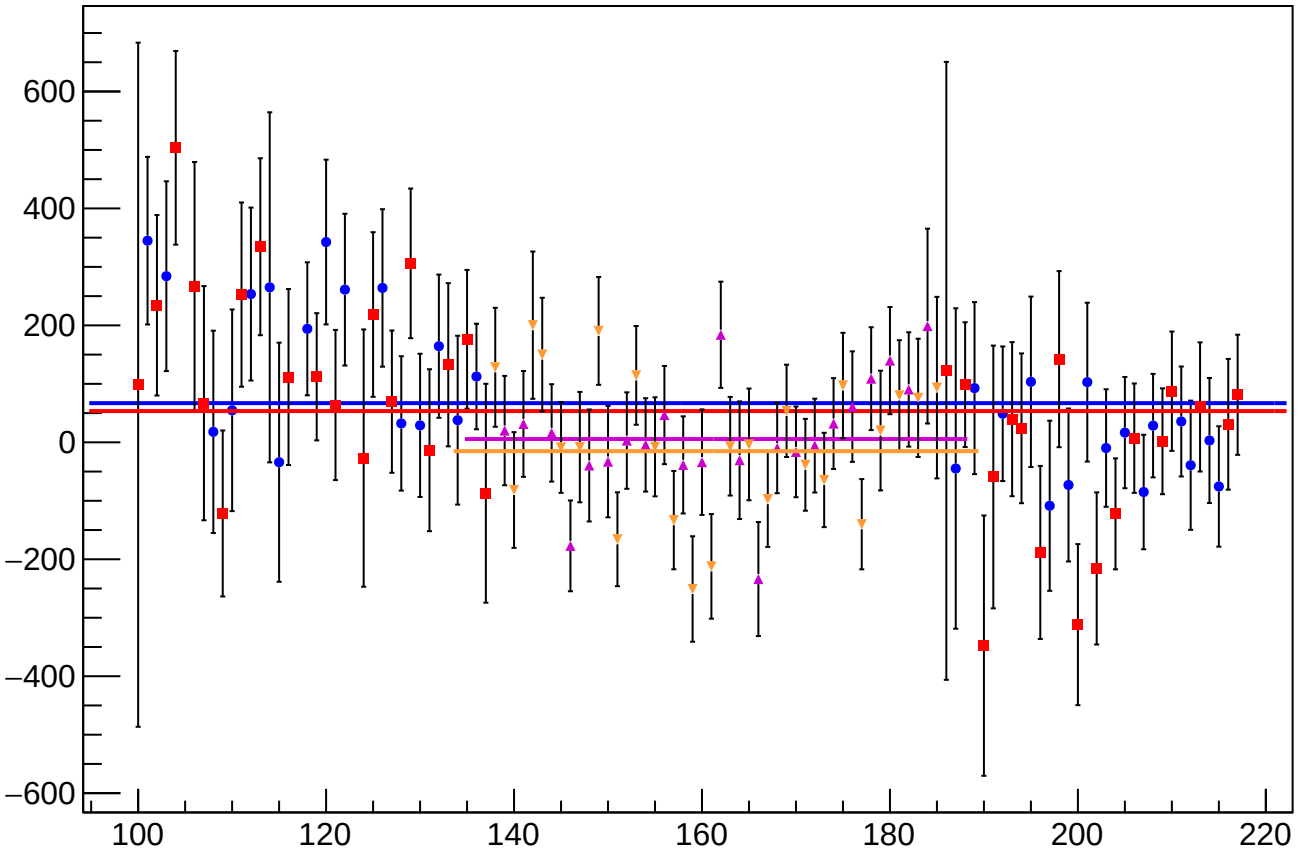
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 24328368.5/66

In: 0.000+/-0.000 χ^2/NDF:17325111.0/53

Out: 0.000+/-0.000 χ^2/NDF:20147838.5/60

All: 0.000+/-0.000 χ^2/NDF: 37630438.0/114



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: 53.445+/-22.327 χ^2/NDF: 46.7/35

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

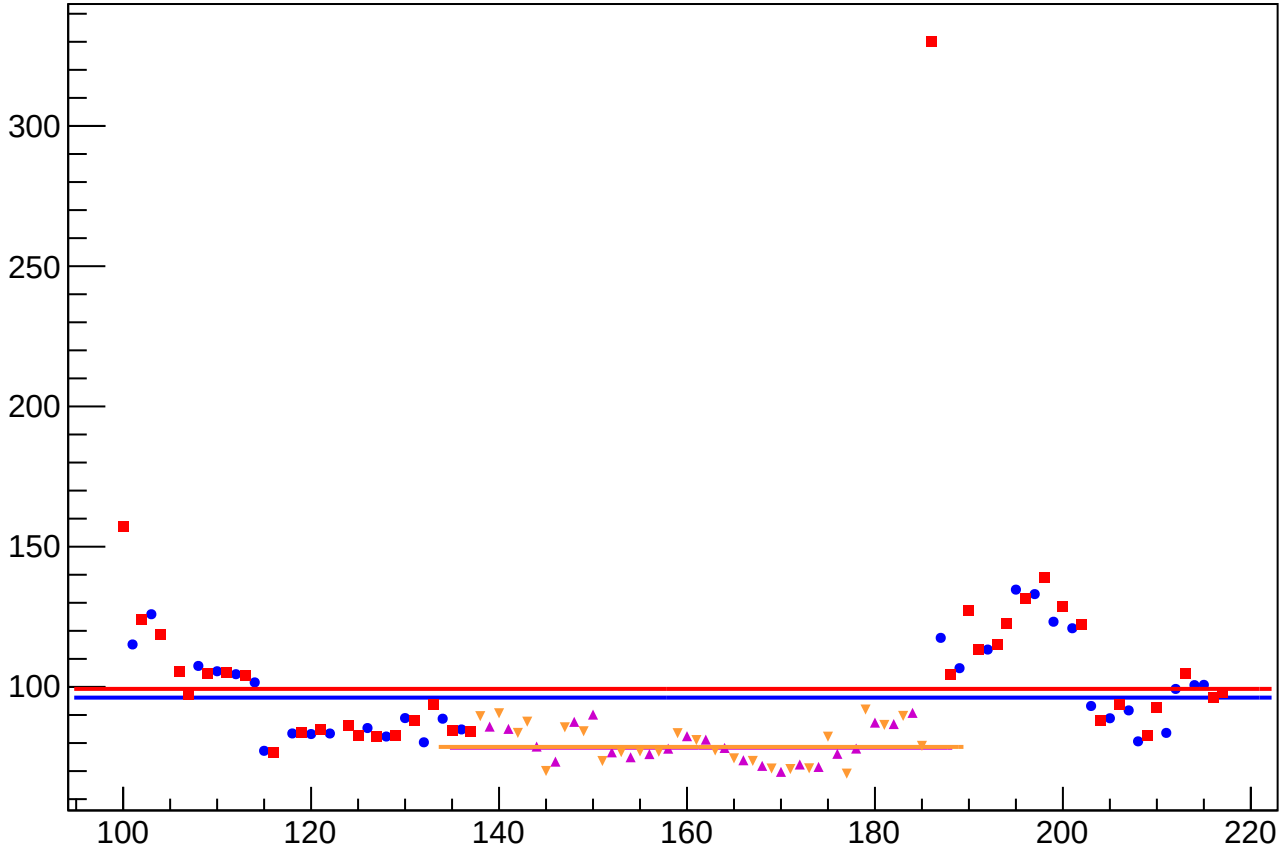
Right: 60.238+/-15.766 χ^2/NDF: 75.1/66

In: 30.499+/-14.176 χ^2/NDF:55.7/53

Out: 11.824+/-13.993 χ^2/NDF:94.1/60

All: 21.040+/-9.958 χ^2/NDF: 150.7/114

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: 99.305+/-0.016 χ^2/NDF: 1413561.0/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

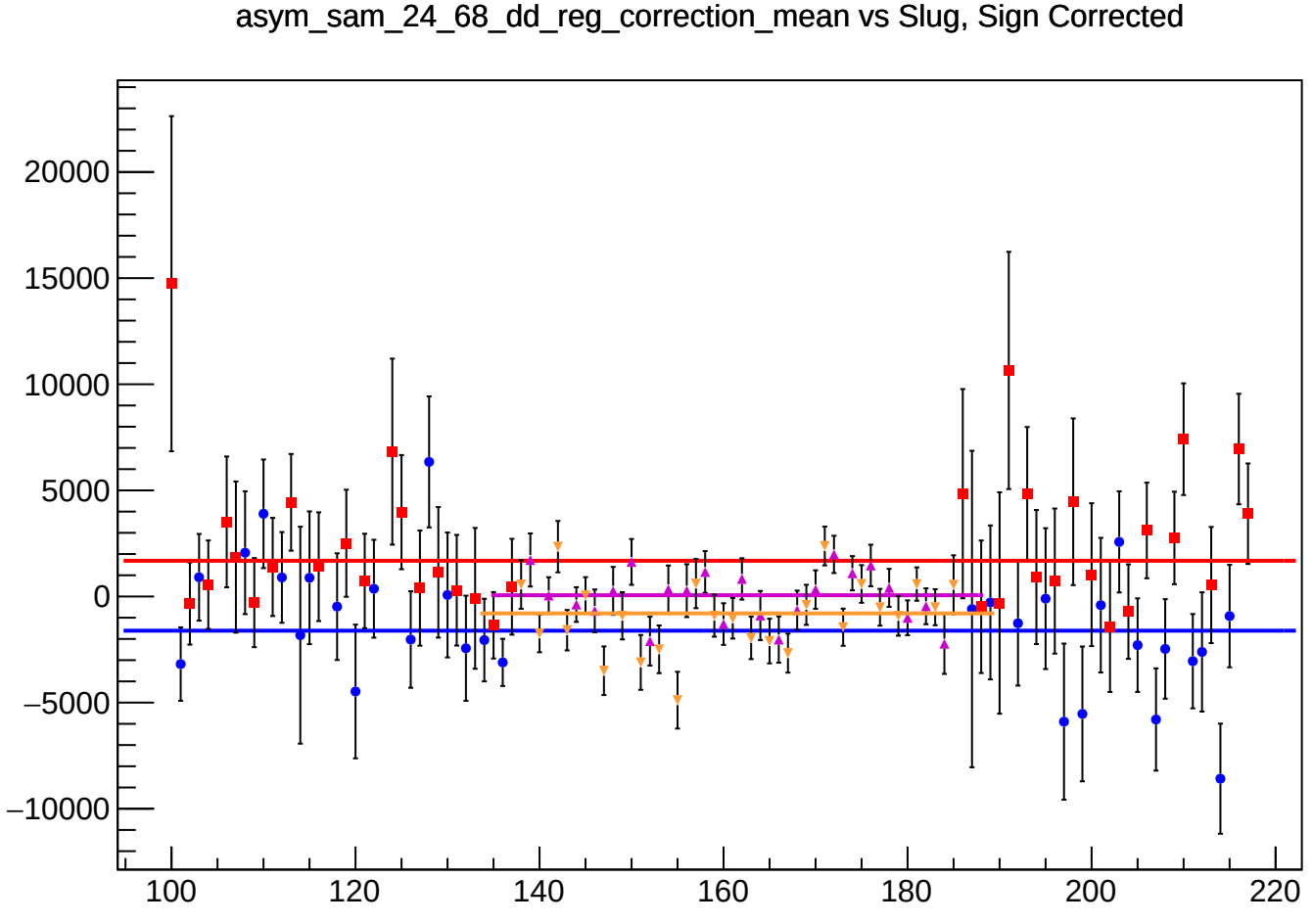
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.745+/-0.011 χ^2/NDF: 2367195.6/66

In: 85.572+/-0.010 χ^2/NDF:1908376.6/53

Out: 86.744+/-0.010 χ^2/NDF:2763407.8/60

All: 86.166+/-0.007 χ^2/NDF: 4678707.5/114



Right In: -1611.512+/-435.944 χ^2/NDF: 38.9/30

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1683.090+/-444.454 χ^2/NDF: 32.1/35

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

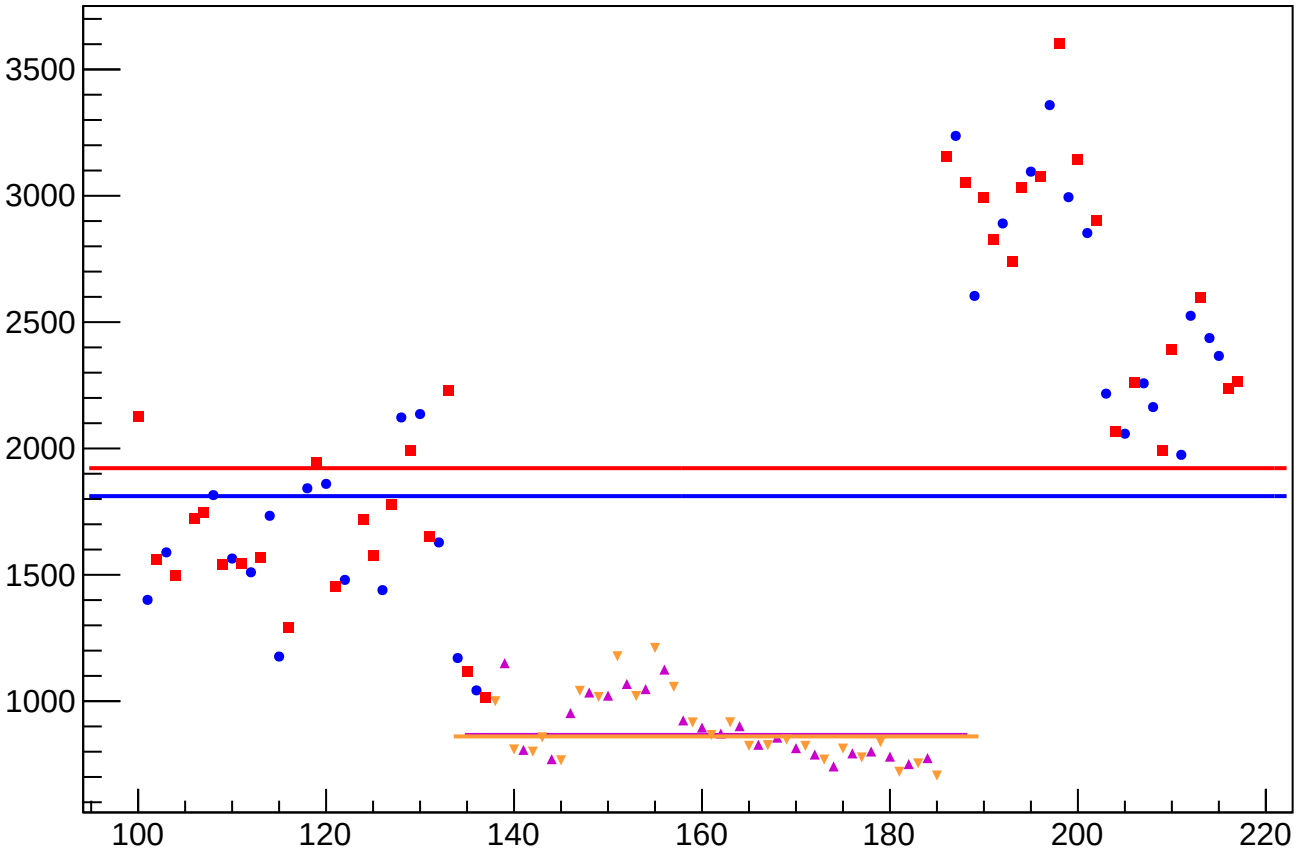
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

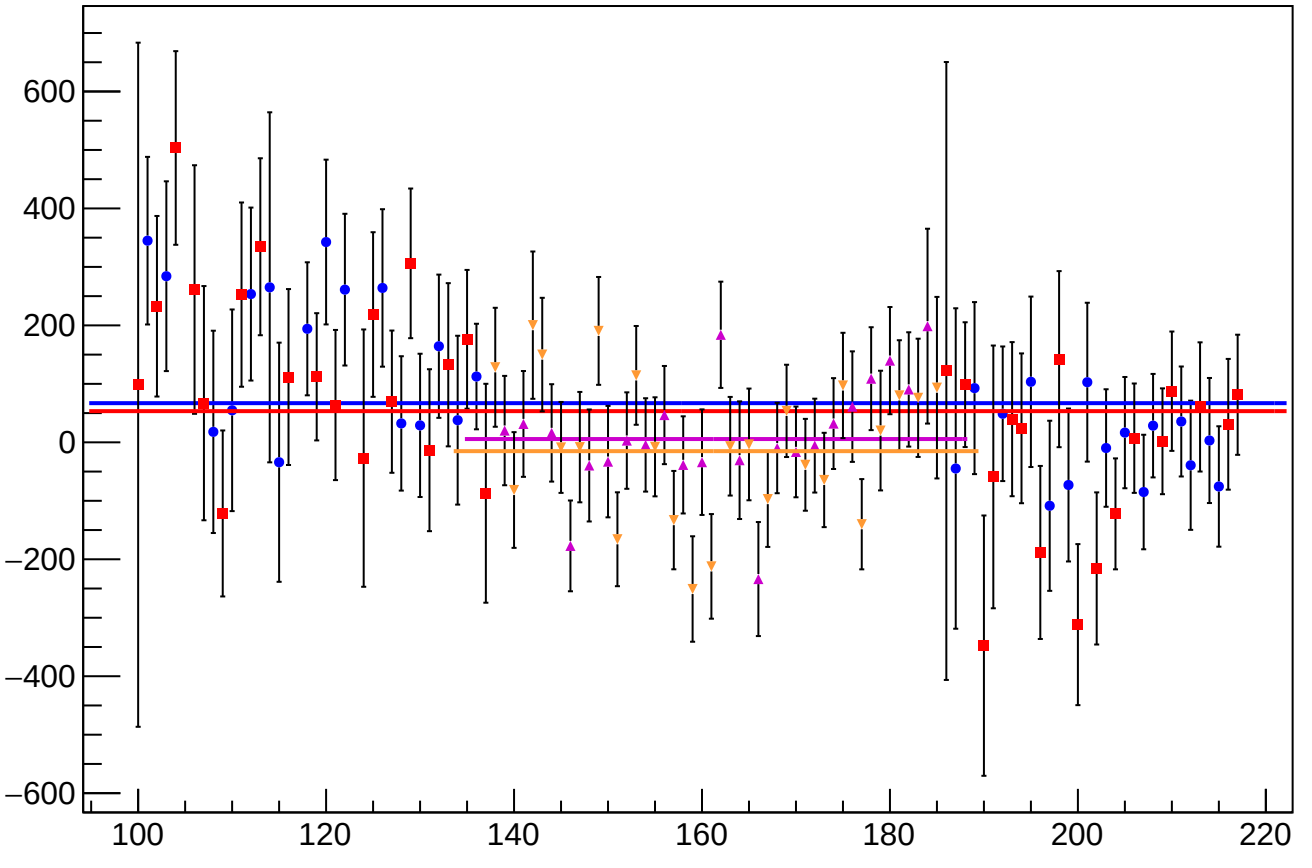
Right: 3.946+/-311.224 χ^2/NDF: 99.1/66

In: -241.740+/-185.095 χ^2/NDF:81.4/53

Out: -386.707+/-180.776 χ^2/NDF:117.6/60

All: -315.935+/-129.328 χ^2/NDF: 199.3/114


asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 1811.408+/-0.308 χ²/NDF: 3746909.5/30
Left Out: 860.492+/-0.140 χ²/NDF:699252.0/24
Right Out: 1922.056+/-0.314 χ²/NDF: 3763238.0/35
Left In: 866.351+/-0.145 χ²/NDF:613257.7/22
Left: 863.326+/-0.101 χ²/NDF: 1313357.9/47
Right: 1865.663+/-0.220 χ²/NDF: 7573322.6/66
In: 1036.718+/-0.131 χ²/NDF:12064837.4/53
Out: 1036.112+/-0.128 χ²/NDF:13984489.1/60
All: 1036.408+/-0.091 χ²/NDF: 26049337.5/1



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: 53.334+/-22.327 χ^2/NDF: 46.7/35

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

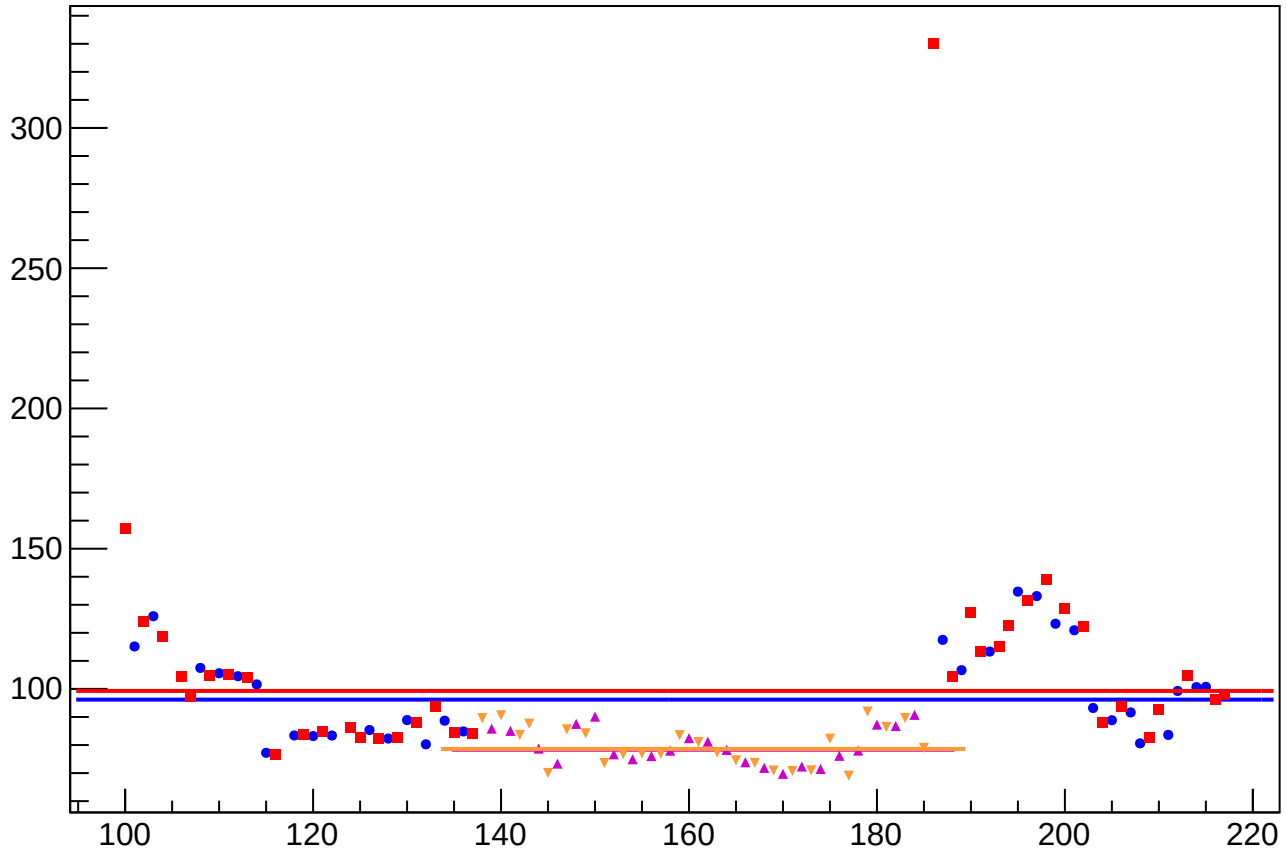
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 60.180+/-15.767 χ^2/NDF: 75.0/66

In: 30.495+/-14.176 χ^2/NDF:55.7/53

Out: 11.780+/-13.993 χ^2/NDF:94.0/60

All: 21.016+/-9.958 χ^2/NDF: 150.6/114



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: 99.292+/-0.016 χ^2/NDF: 1413096.3/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

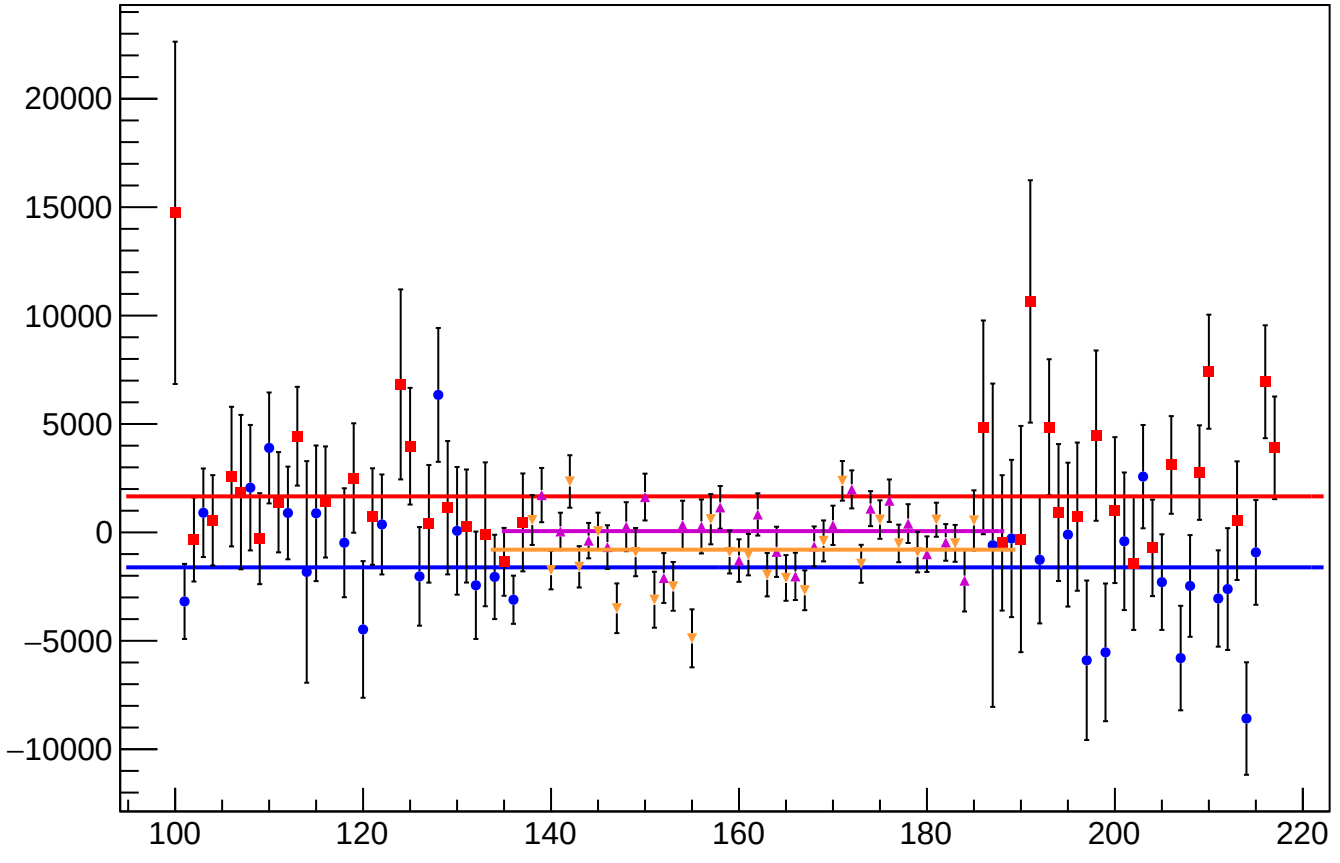
Right: 97.738+/-0.011 χ^2/NDF: 2366560.7/66

In: 85.572+/-0.010 χ^2/NDF:1908378.5/53

Out: 86.738+/-0.010 χ^2/NDF:2761528.6/60

All: 86.163+/-0.007 χ^2/NDF: 4676763.7/114

asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected



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: 1662.203+/-444.854 χ^2/NDF: 31.9/35

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

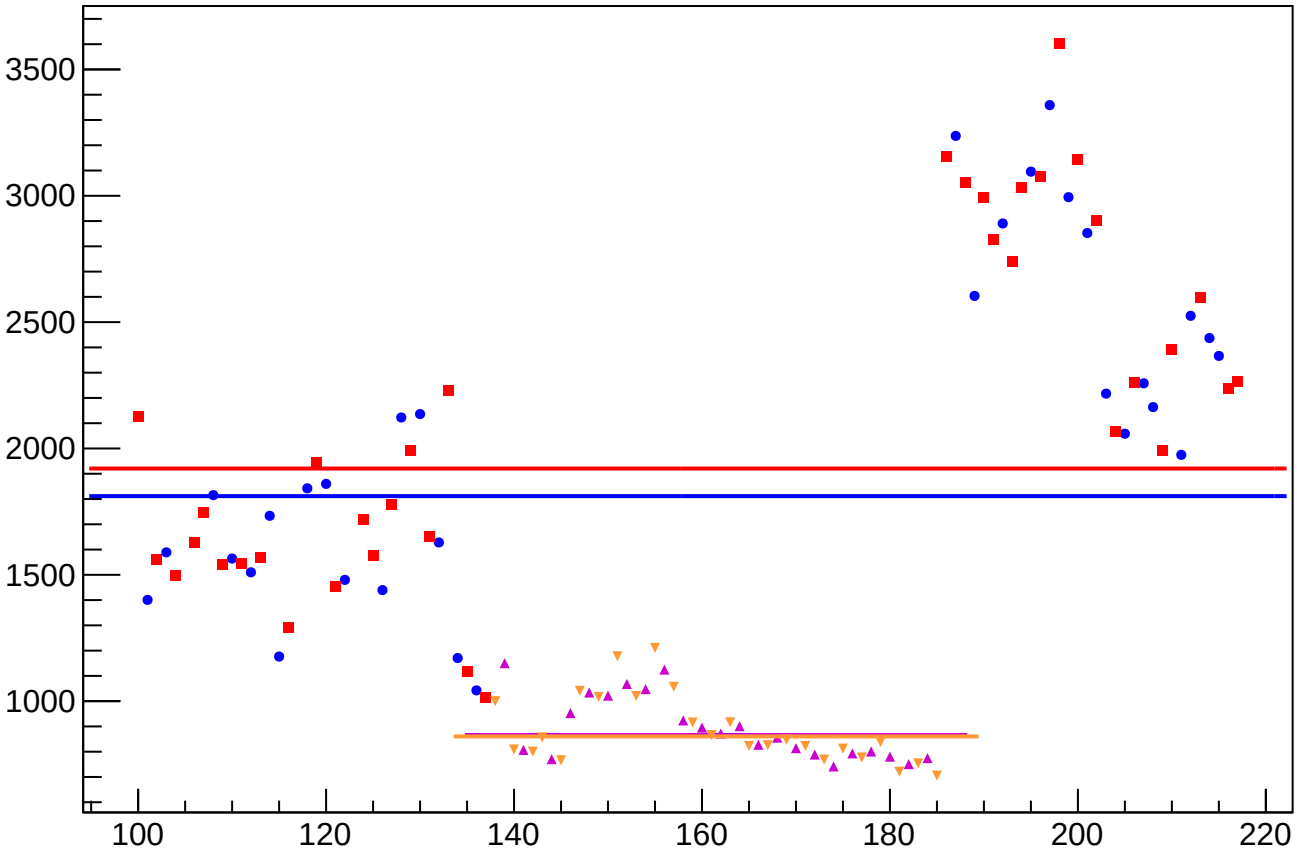
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -7.756+/-311.362 χ^2/NDF: 98.4/66

In: -241.737+/-185.095 χ^2/NDF:81.4/53

Out: -390.771+/-180.803 χ^2/NDF:116.8/60

All: -318.002+/-129.338 χ^2/NDF: 198.6/114



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: 1920.661+/-0.315 χ^2/NDF: 3771153.0/35

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

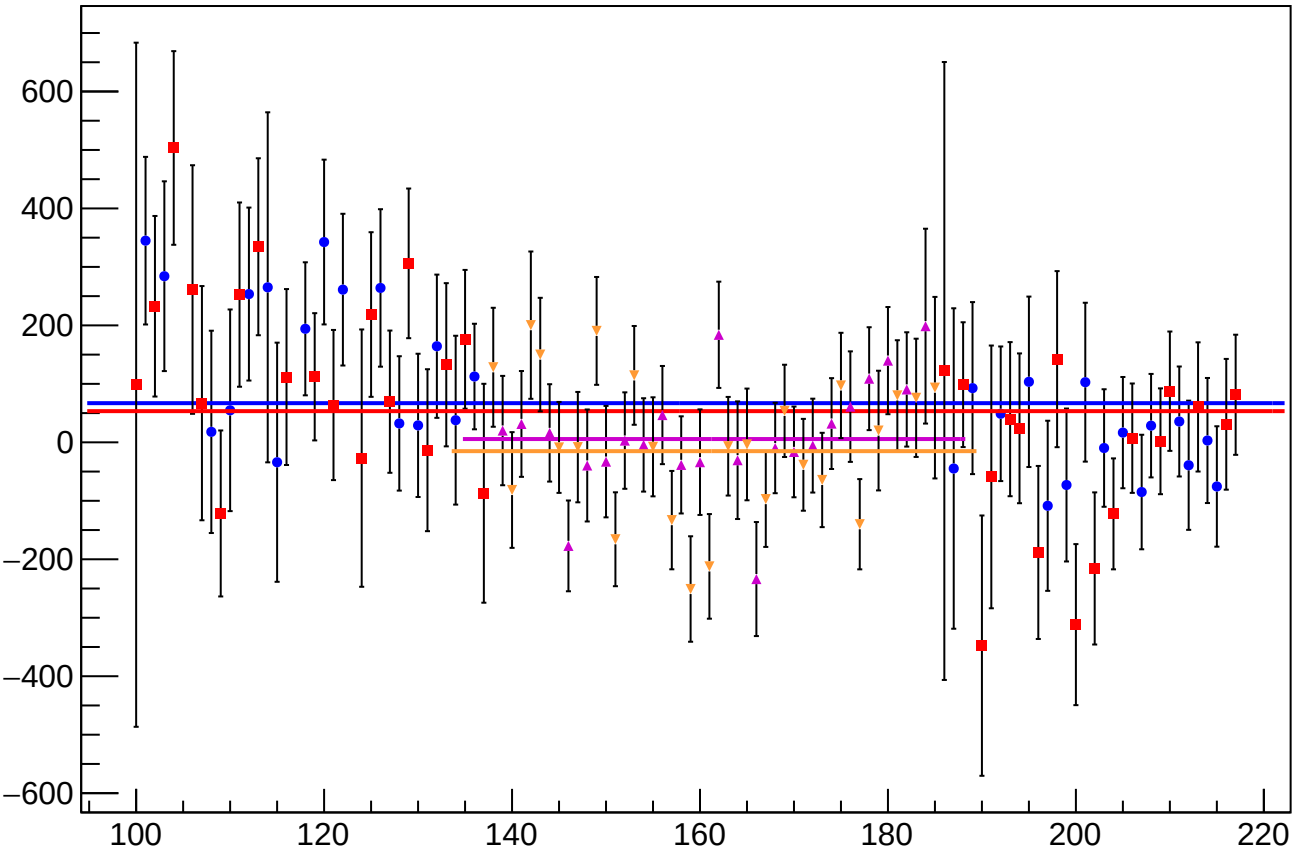
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1864.932+/-0.220 χ^2/NDF: 7579579.9/66

In: 1036.718+/-0.131 χ^2/NDF:12064850.4/53

Out: 1035.618+/-0.128 χ^2/NDF:13953170.5/60

All: 1036.155+/-0.091 χ^2/NDF: 26018057.0/1



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: 53.334+/-22.327 χ^2/NDF: 46.7/35

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

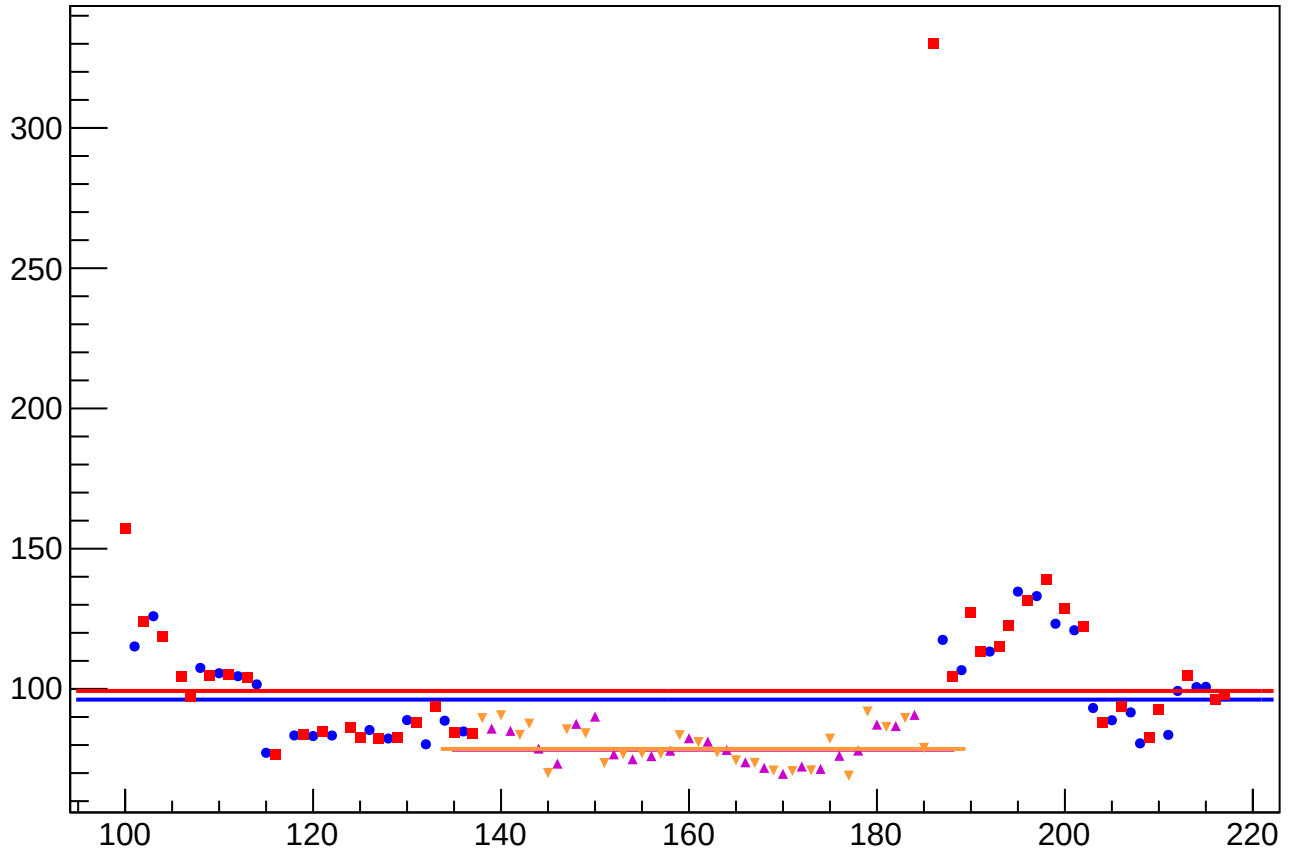
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 60.180+/-15.767 χ^2/NDF: 75.0/66

In: 30.495+/-14.176 χ^2/NDF:55.7/53

Out: 11.780+/-13.993 χ^2/NDF:94.0/60

All: 21.016+/-9.958 χ^2/NDF: 150.6/114



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: 99.292+/-0.016 χ^2/NDF: 1413096.3/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

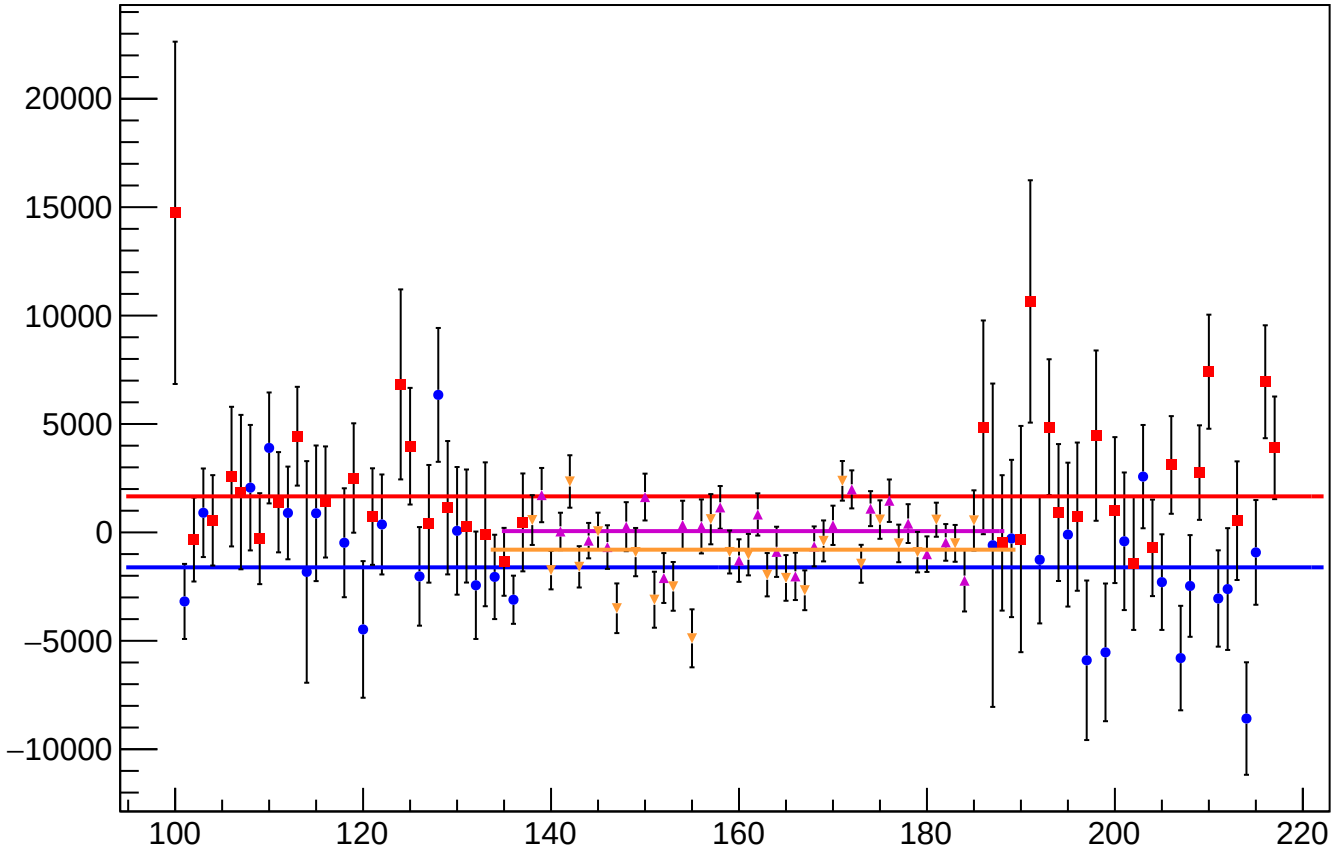
Right: 97.738+/-0.011 χ^2/NDF: 2366560.7/66

In: 85.572+/-0.010 χ^2/NDF:1908378.5/53

Out: 86.738+/-0.010 χ^2/NDF:2761528.6/60

All: 86.163+/-0.007 χ^2/NDF: 4676763.7/114

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1662.203+/-444.854 χ^2/NDF: 31.9/35

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

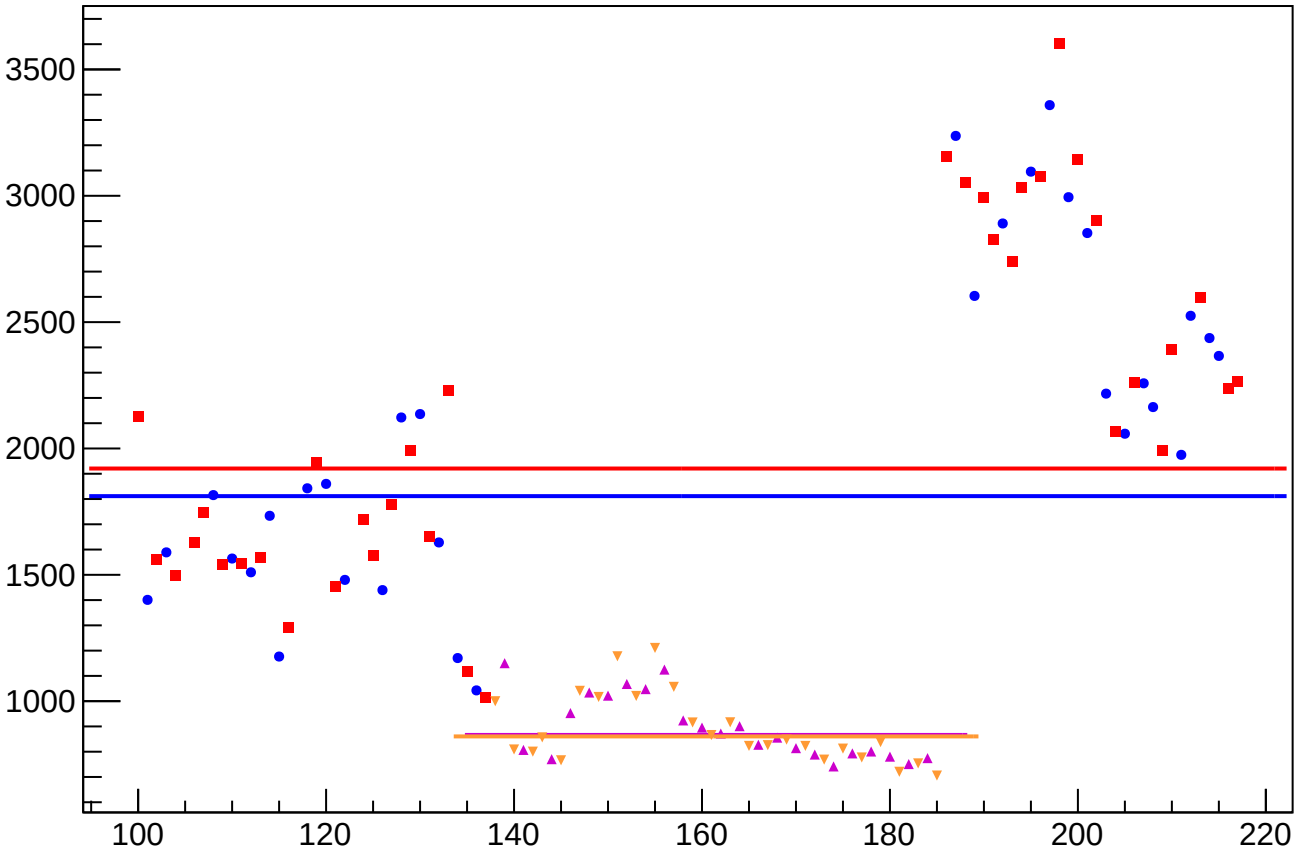
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -7.756+/-311.362 χ^2/NDF: 98.4/66

In: -241.737+/-185.095 χ^2/NDF:81.4/53

Out: -390.771+/-180.803 χ^2/NDF:116.8/60

All: -318.002+/-129.338 χ^2/NDF: 198.6/114



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: 1920.661+/-0.315 χ^2/NDF: 3771153.0/35

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

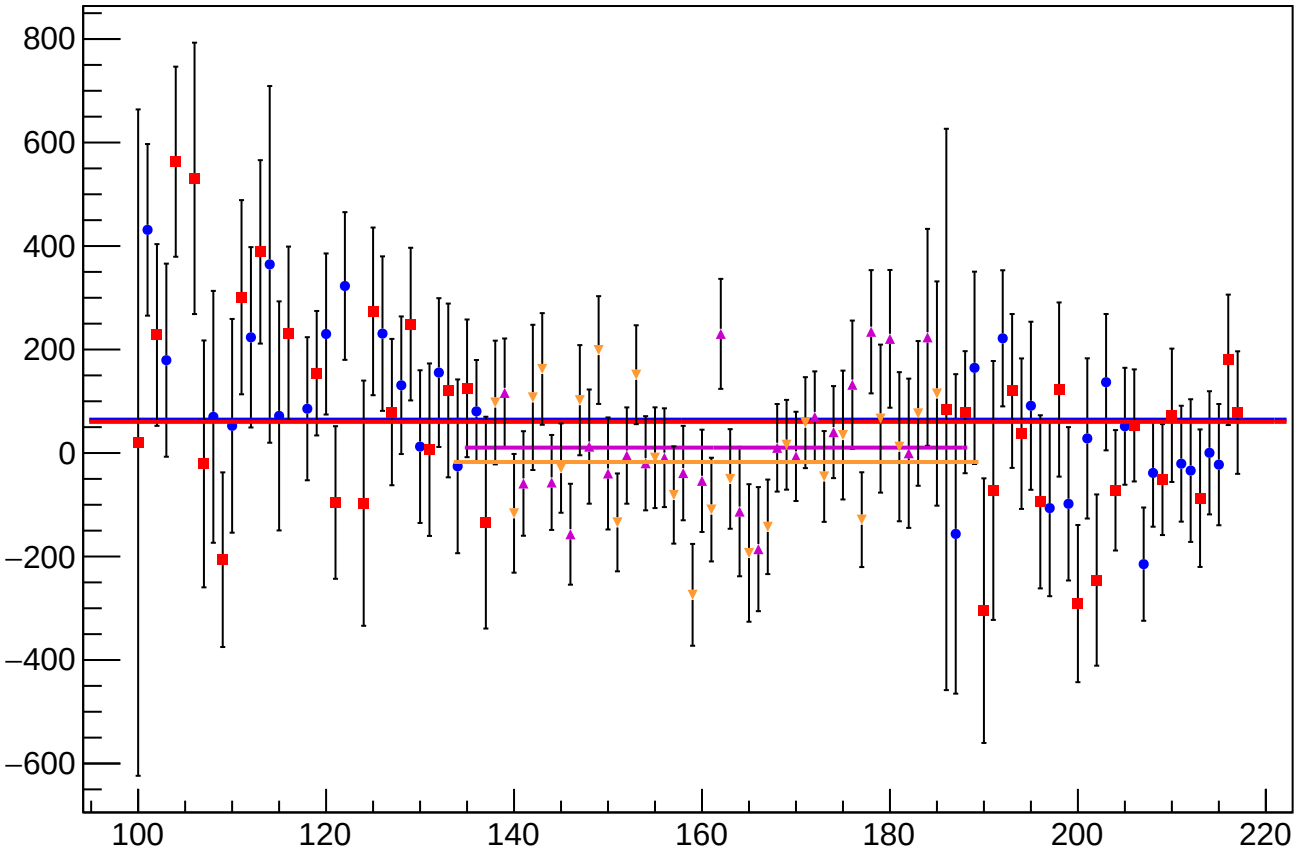
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1864.932+/-0.220 χ^2/NDF: 7579579.9/66

In: 1036.718+/-0.131 χ^2/NDF:12064850.4/53

Out: 1035.618+/-0.128 χ^2/NDF:13953170.5/60

All: 1036.155+/-0.091 χ^2/NDF: 26018057.0/1



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: 60.211+/-25.877 χ^2/NDF: 44.1/35

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

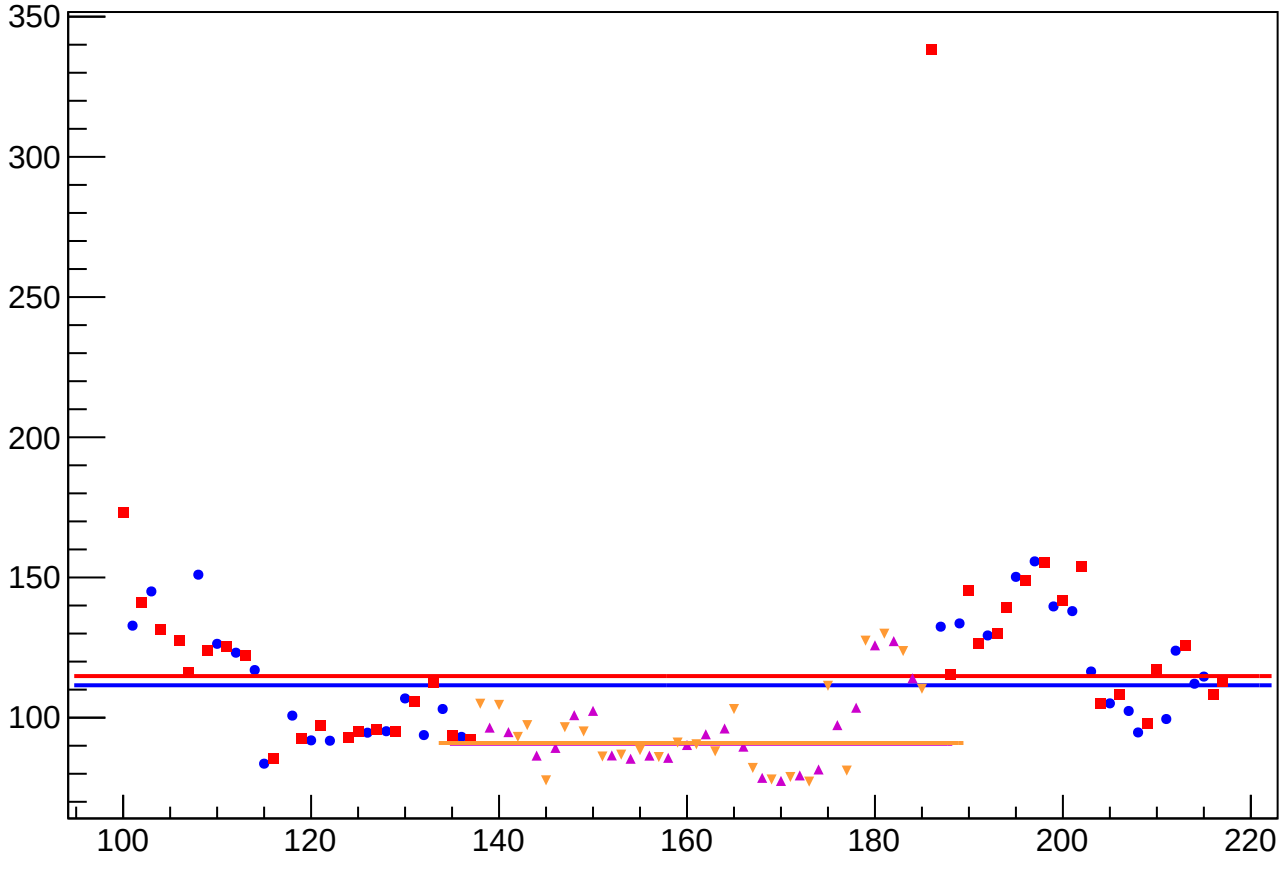
Right: 62.350+/-18.316 χ^2/NDF: 72.0/66

In: 32.453+/-16.552 χ^2/NDF:53.1/53

Out: 13.420+/-16.300 χ^2/NDF:80.7/60

All: 22.791+/-11.614 χ^2/NDF: 134.5/114

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: 114.836+/-0.018 χ^2/NDF: 1369597.5/35

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

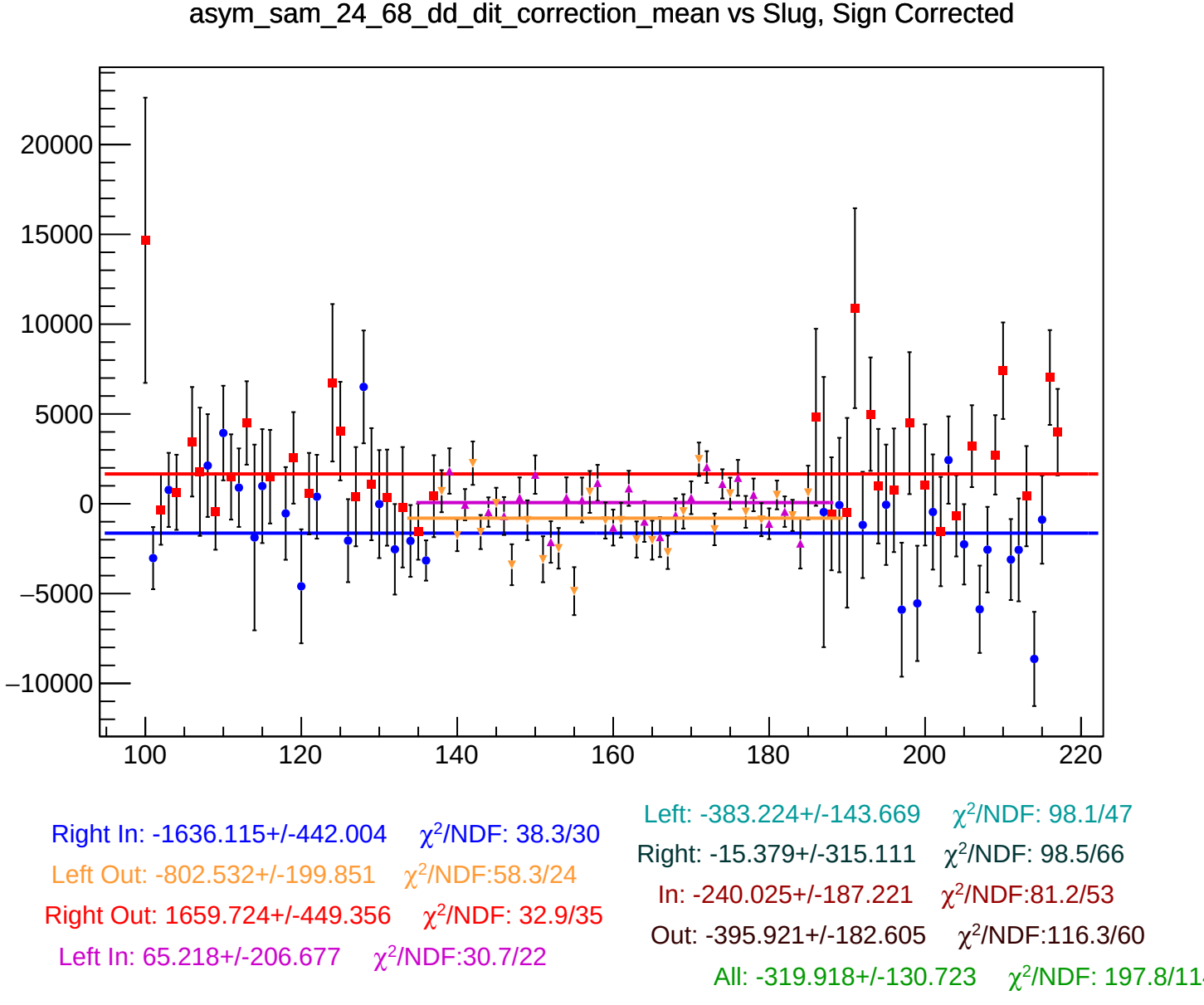
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 113.199+/-0.013 χ^2/NDF: 2400470.2/66

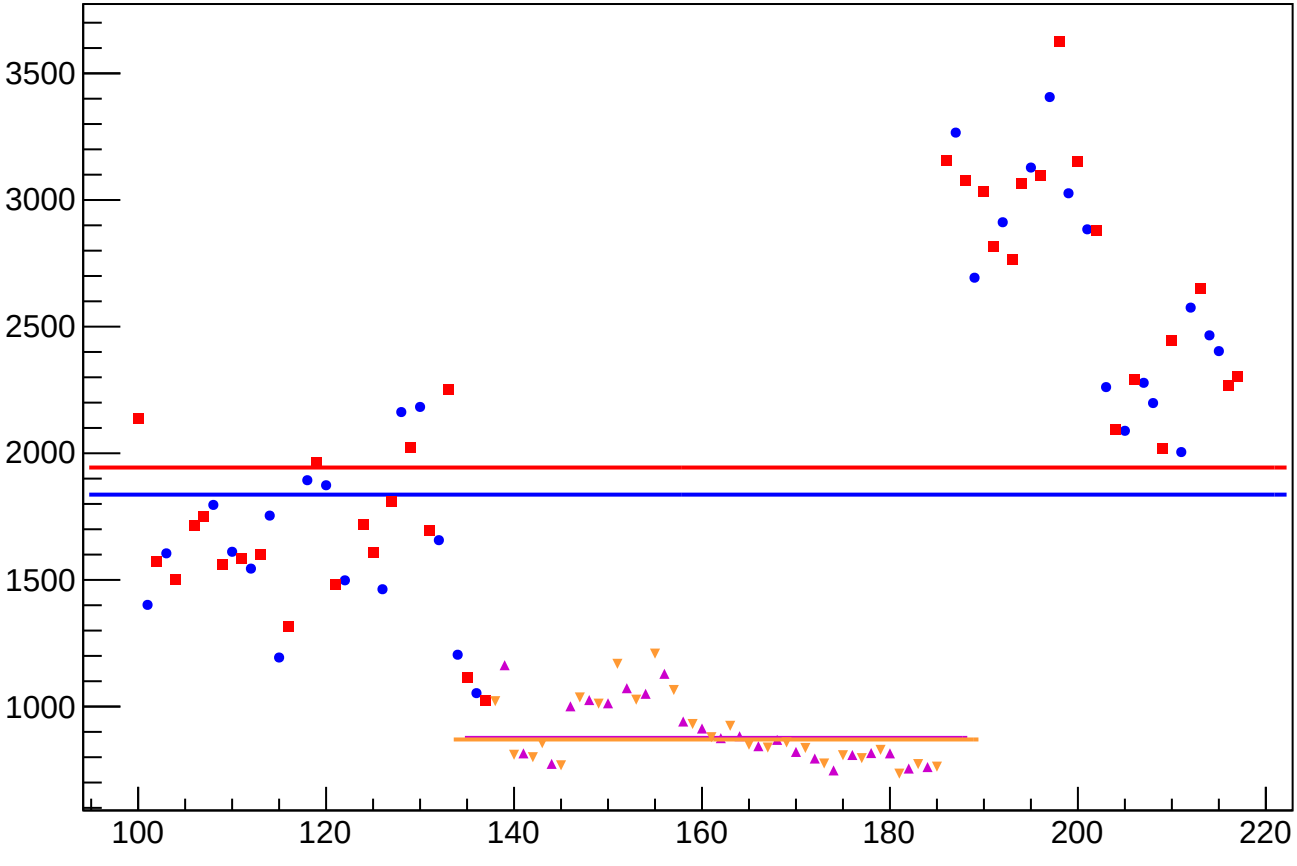
In: 99.192+/-0.012 χ^2/NDF:2328086.4/53

Out: 100.438+/-0.012 χ^2/NDF:3180632.4/60

All: 99.825+/-0.008 χ^2/NDF: 5514464.5/114


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1636.115+/-442.004 χ²/NDF: 38.3/30
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1659.724+/-449.356 χ²/NDF: 32.9/35
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -15.379+/-315.111 χ²/NDF: 98.5/66
In: -240.025+/-187.221 χ²/NDF:81.2/53
Out: -395.921+/-182.605 χ²/NDF:116.3/60
All: -319.918+/-130.723 χ²/NDF: 197.8/114

asym_sam_24_68_dd_dit_correction_rms vs Slug, Sign Corrected



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: 1943.748+/-0.318 χ^2/NDF: 3755253.1/35

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

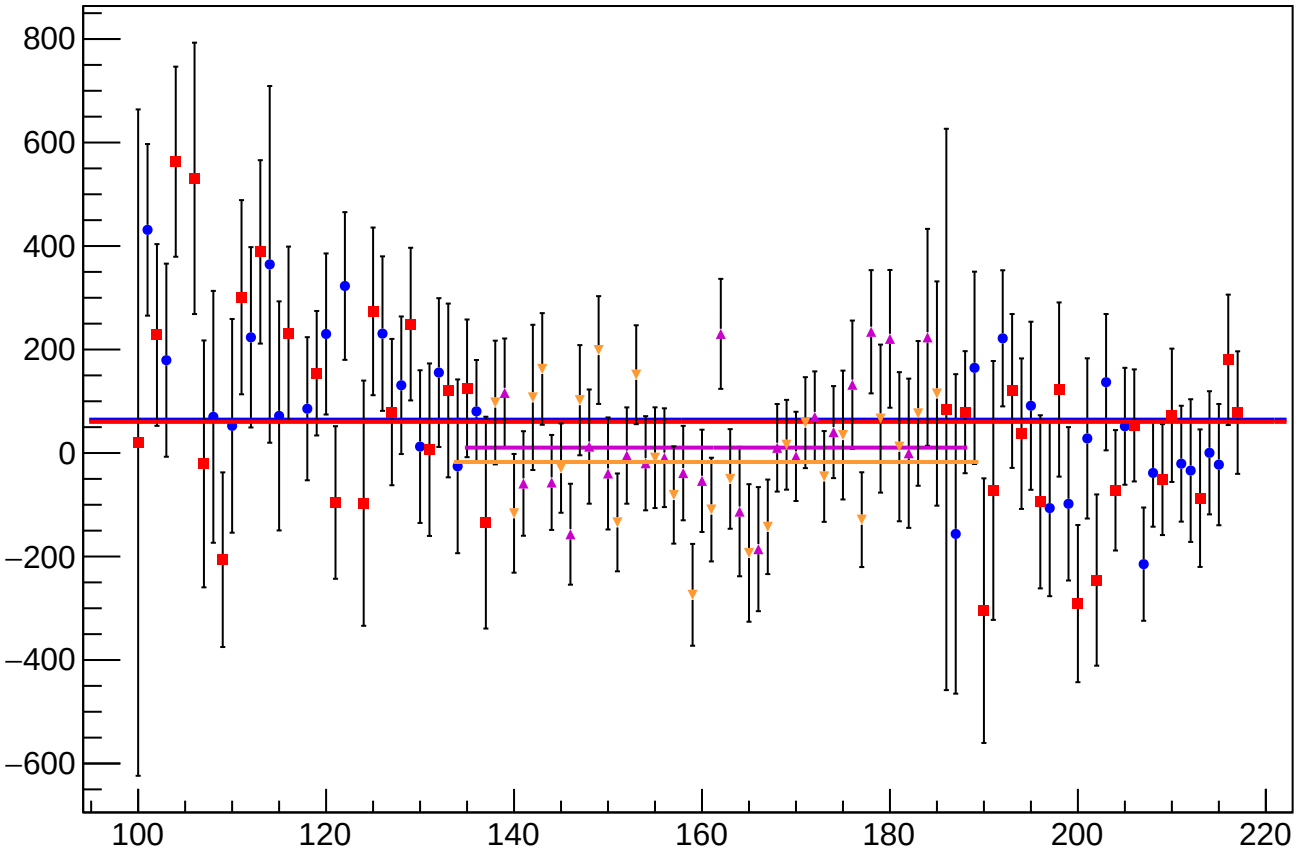
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1889.368+/-0.223 χ^2/NDF: 7572877.8/66

In: 1048.597+/-0.132 χ^2/NDF:12106784.6/53

Out: 1047.323+/-0.129 χ^2/NDF:13936228.5/60

All: 1047.944+/-0.092 χ^2/NDF: 26043060.5/1



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: 60.209+/-25.877 χ^2/NDF: 44.1/35

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

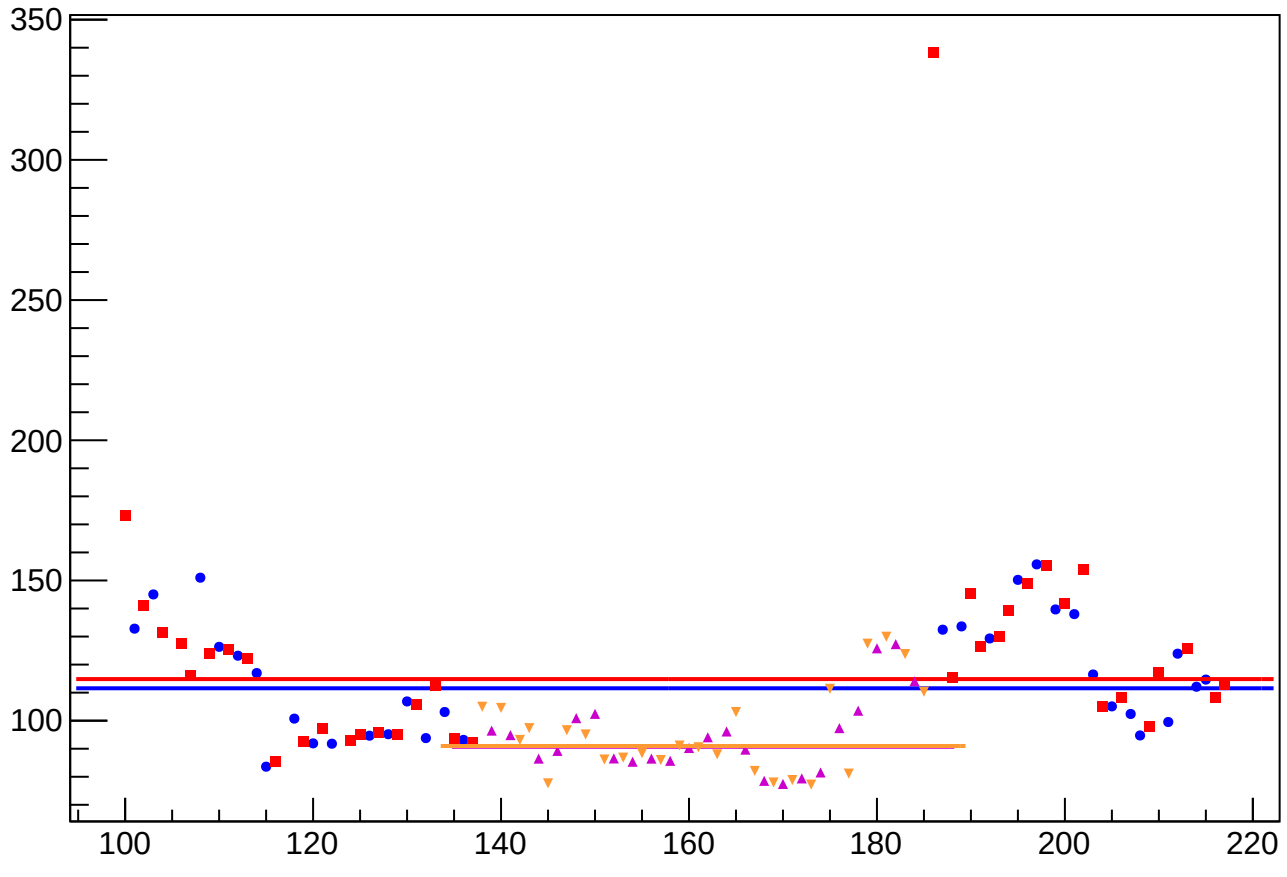
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 62.351+/-18.316 χ^2/NDF: 72.0/66

In: 32.454+/-16.552 χ^2/NDF:53.1/53

Out: 13.420+/-16.300 χ^2/NDF:80.7/60

All: 22.791+/-11.614 χ^2/NDF: 134.5/114



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: 114.836+/-0.018 χ^2/NDF: 1369615.0/35

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

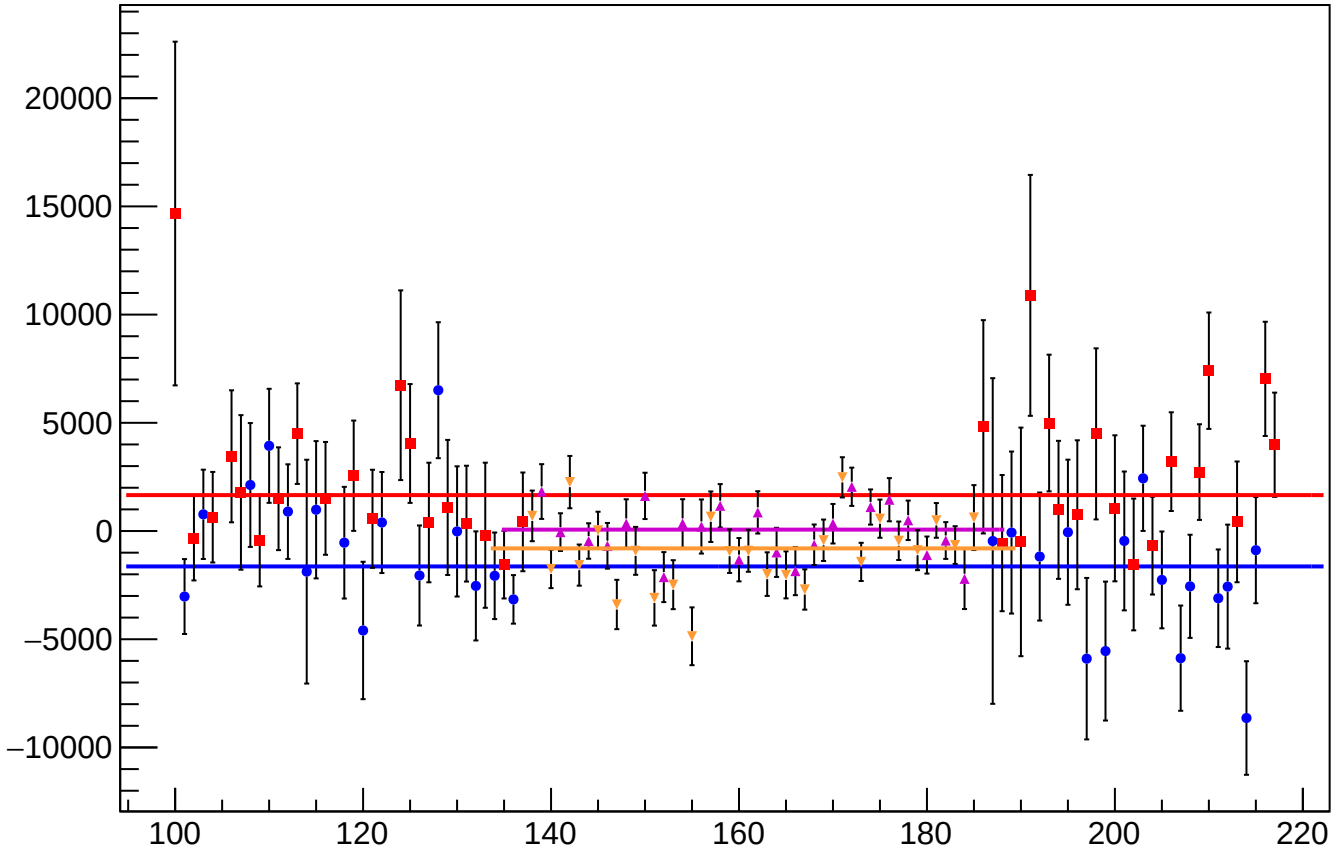
Right: 113.198+/-0.013 χ^2/NDF: 2400503.8/66

In: 99.192+/-0.012 χ^2/NDF:2328058.3/53

Out: 100.437+/-0.012 χ^2/NDF:3180618.4/60

All: 99.824+/-0.008 χ^2/NDF: 5514423.8/114

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1636.111+/-442.003 χ^2/NDF: 38.3/30

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1659.720+/-449.355 χ^2/NDF: 32.9/35

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

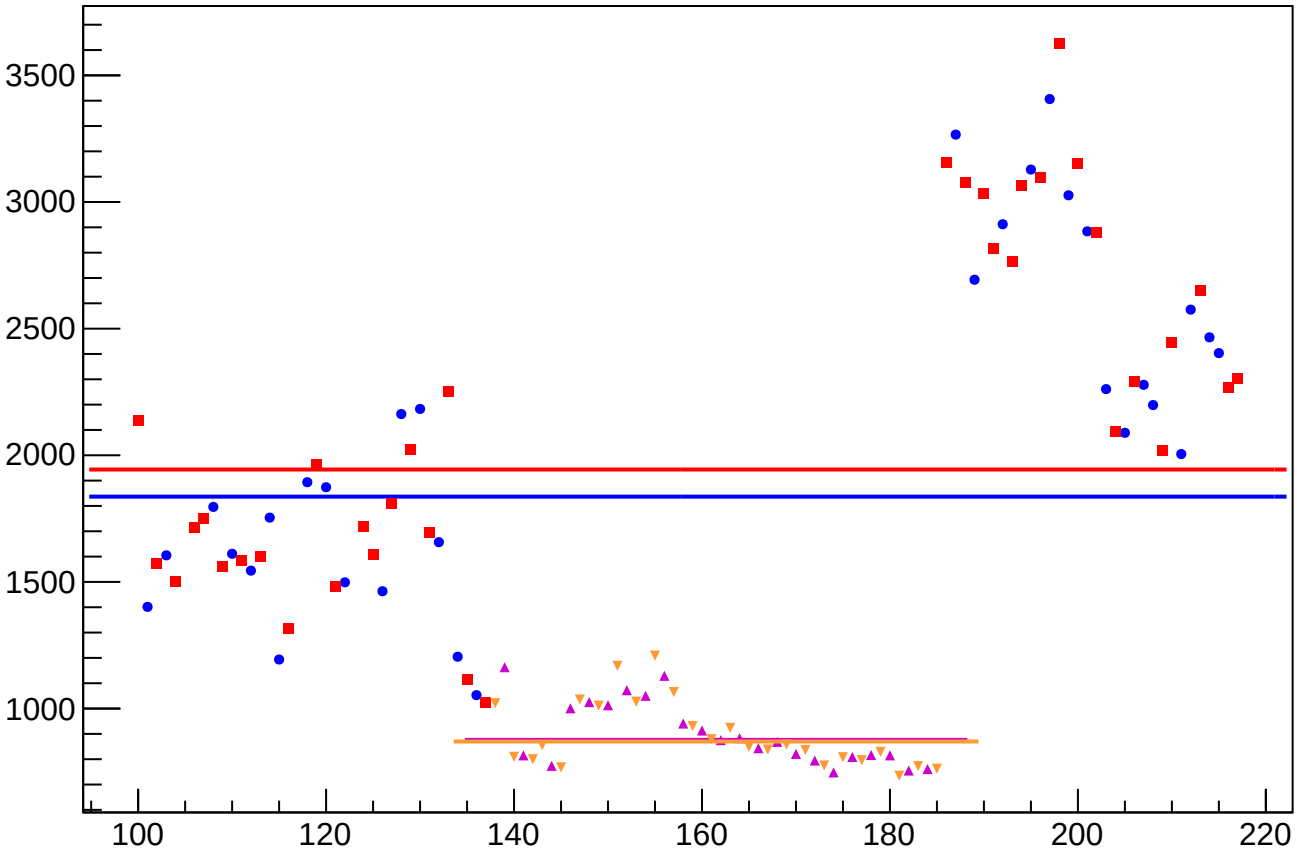
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -15.378+/-315.111 χ^2/NDF: 98.5/66

In: -240.025+/-187.221 χ^2/NDF:81.2/53

Out: -395.921+/-182.605 χ^2/NDF:116.3/60

All: -319.918+/-130.723 χ^2/NDF: 197.8/114



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: 1943.745+/-0.318 χ^2/NDF: 3755267.6/35

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

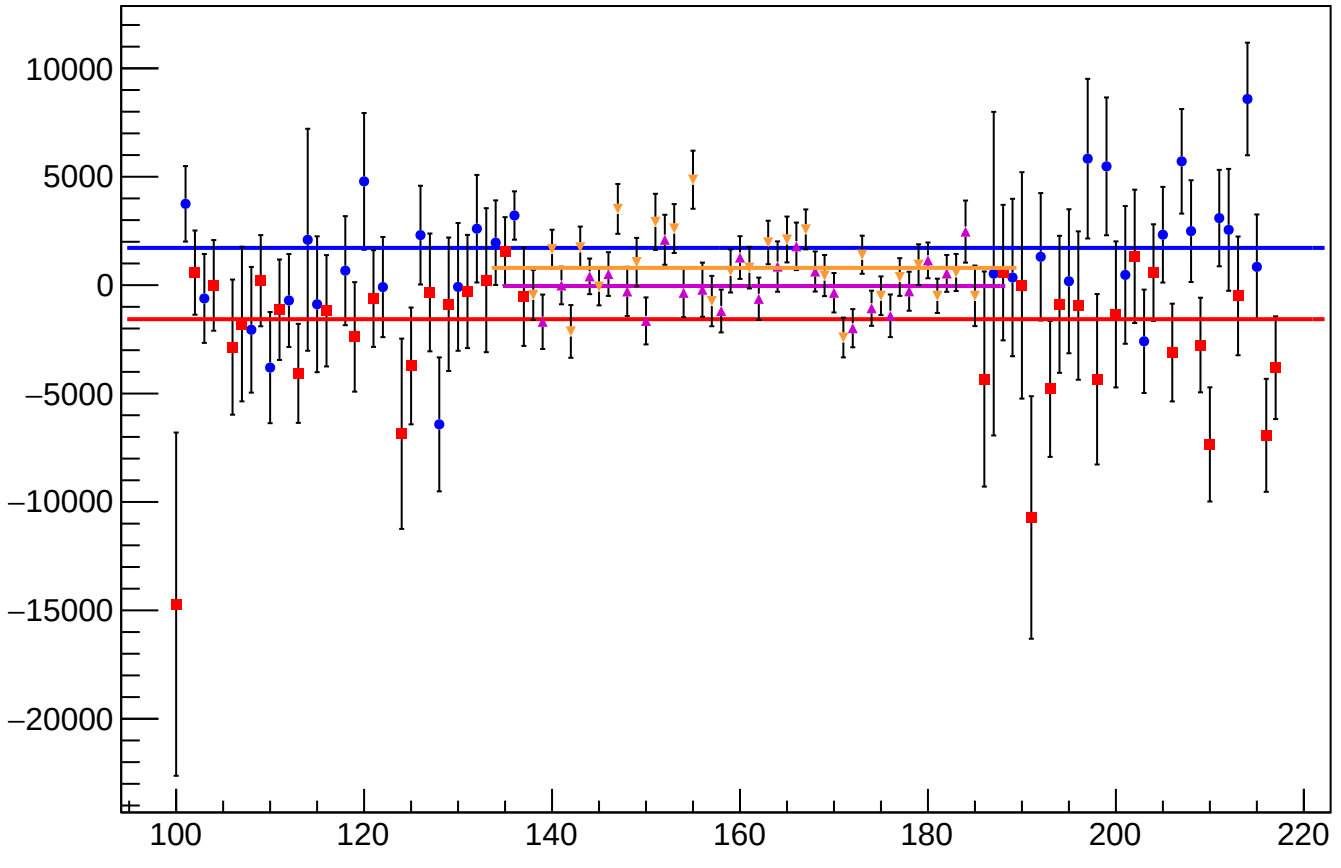
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1889.366+/-0.223 χ^2/NDF: 7572901.4/66

In: 1048.596+/-0.132 χ^2/NDF:12106784.4/53

Out: 1047.323+/-0.129 χ^2/NDF:13936230.2/60

All: 1047.943+/-0.092 χ^2/NDF: 26043062.0/



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: -1569.623+/-445.321 χ^2/NDF: 31.9/35

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

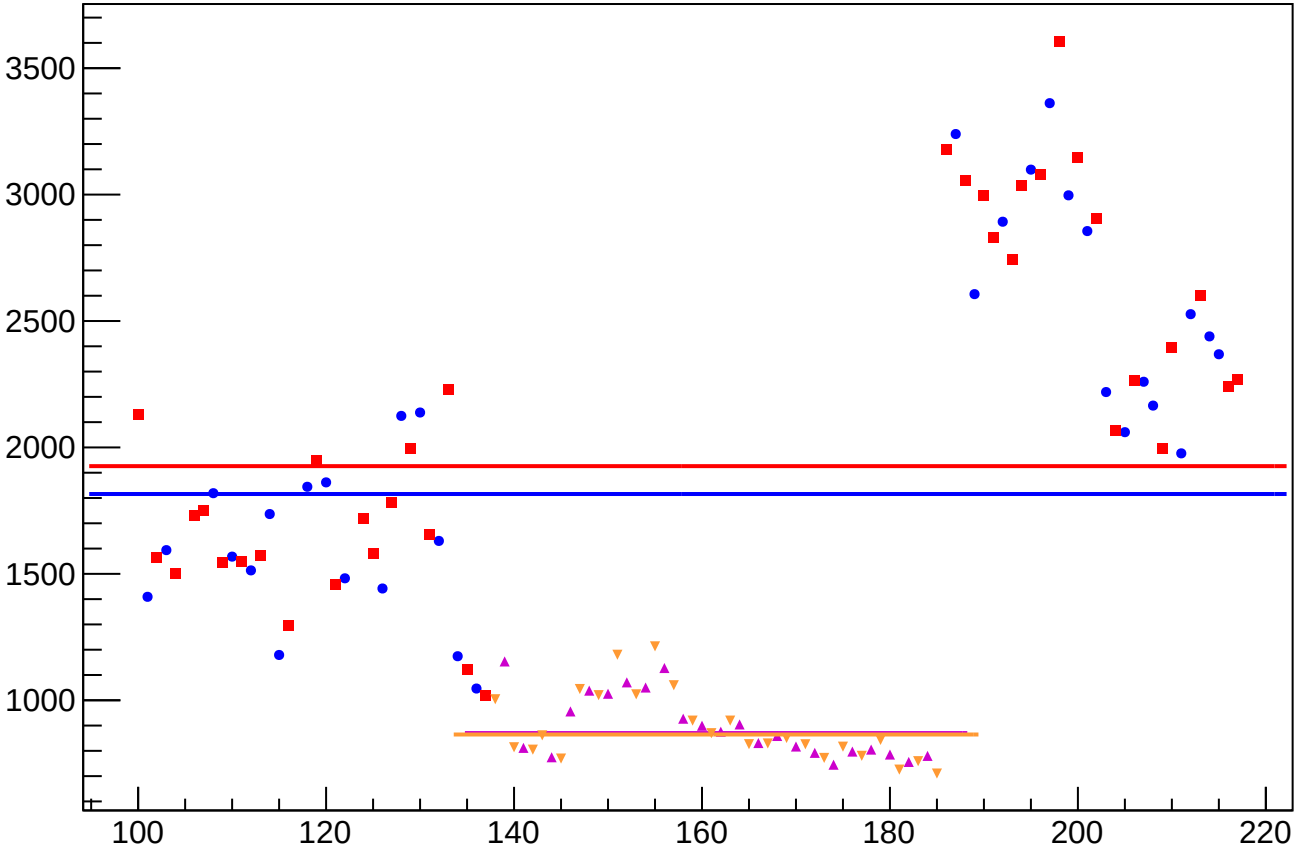
Right: 105.898+/-311.849 χ^2/NDF: 98.7/66

In: 278.412+/-185.841 χ^2/NDF:82.0/53

Out: 403.128+/-181.534 χ^2/NDF:112.6/60

All: 342.232+/-129.860 χ^2/NDF: 194.8/114

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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: 1926.033+/-0.315 χ^2/NDF: 3747645.0/35

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

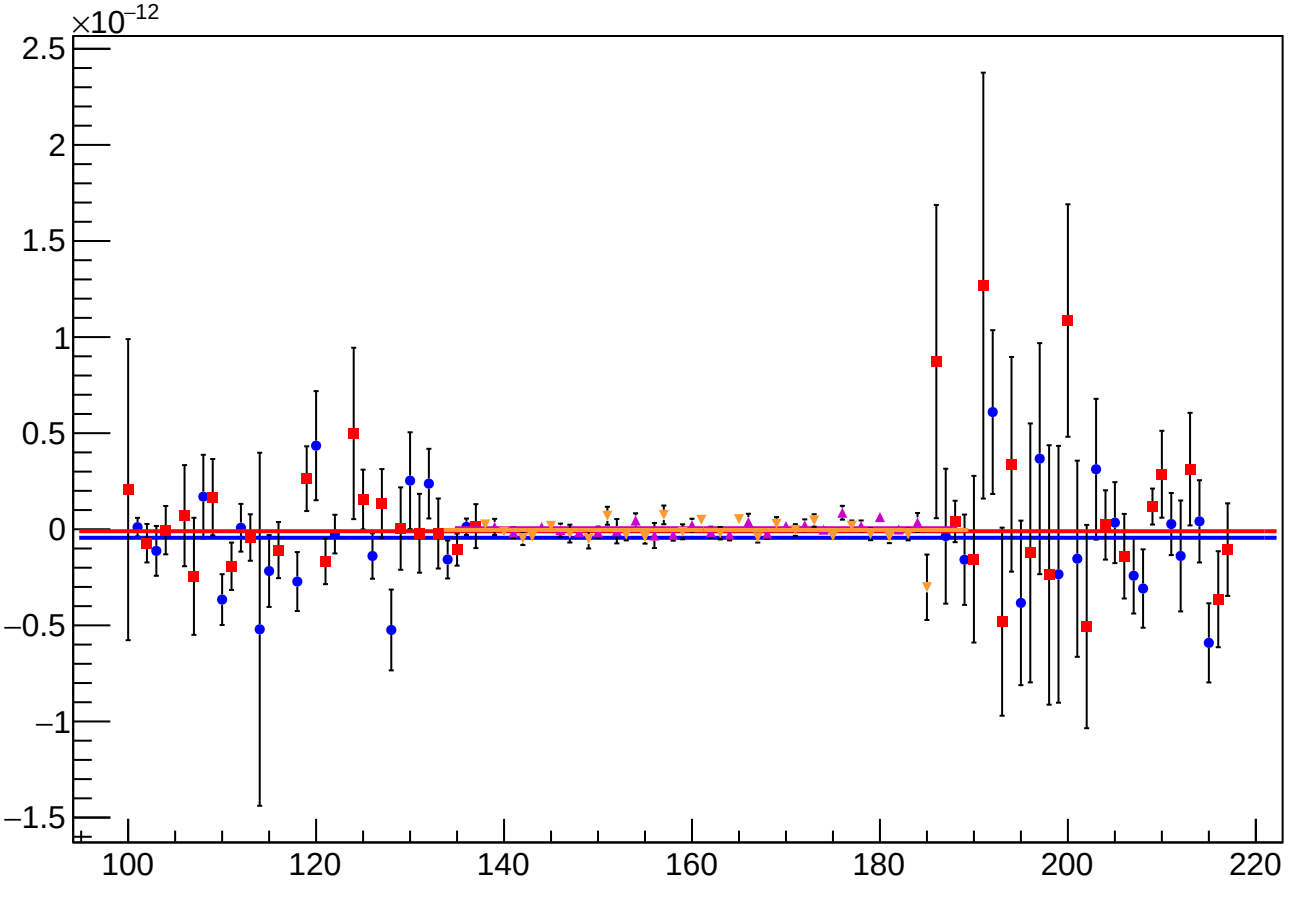
Right: 1869.853+/-0.221 χ^2/NDF: 7533721.9/66

In: 1041.452+/-0.131 χ^2/NDF:12000756.8/53

Out: 1041.016+/-0.128 χ^2/NDF:13910136.4/60

All: 1041.229+/-0.092 χ^2/NDF: 25910898.8/1

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 29.3/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

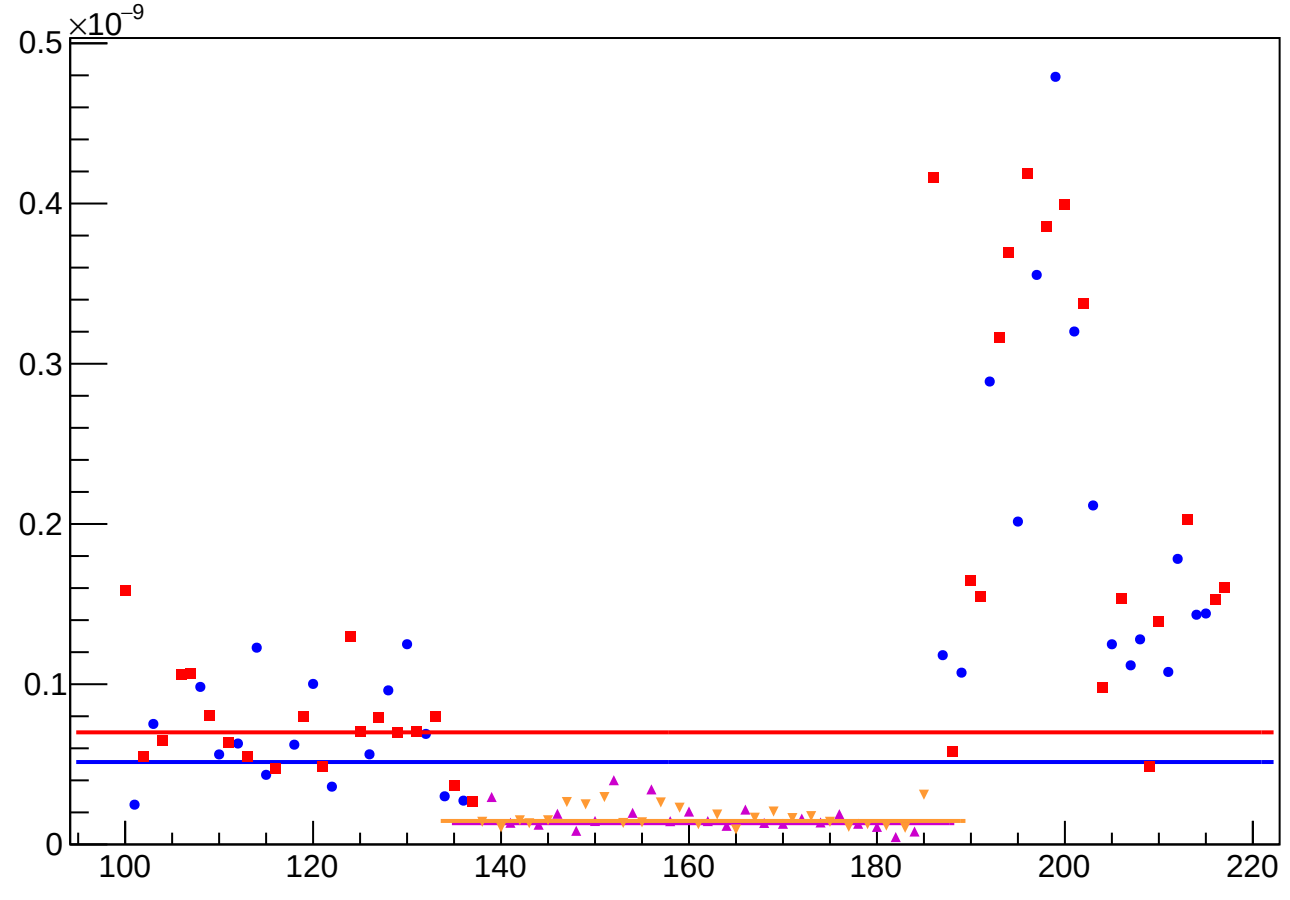
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 72.8/66

In: 0.000+/-0.000 χ^2/NDF:67.5/53

Out: -0.000+/-0.000 χ^2/NDF:68.1/60

All: -0.000+/-0.000 χ^2/NDF: 136.3/114



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: 6148486.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

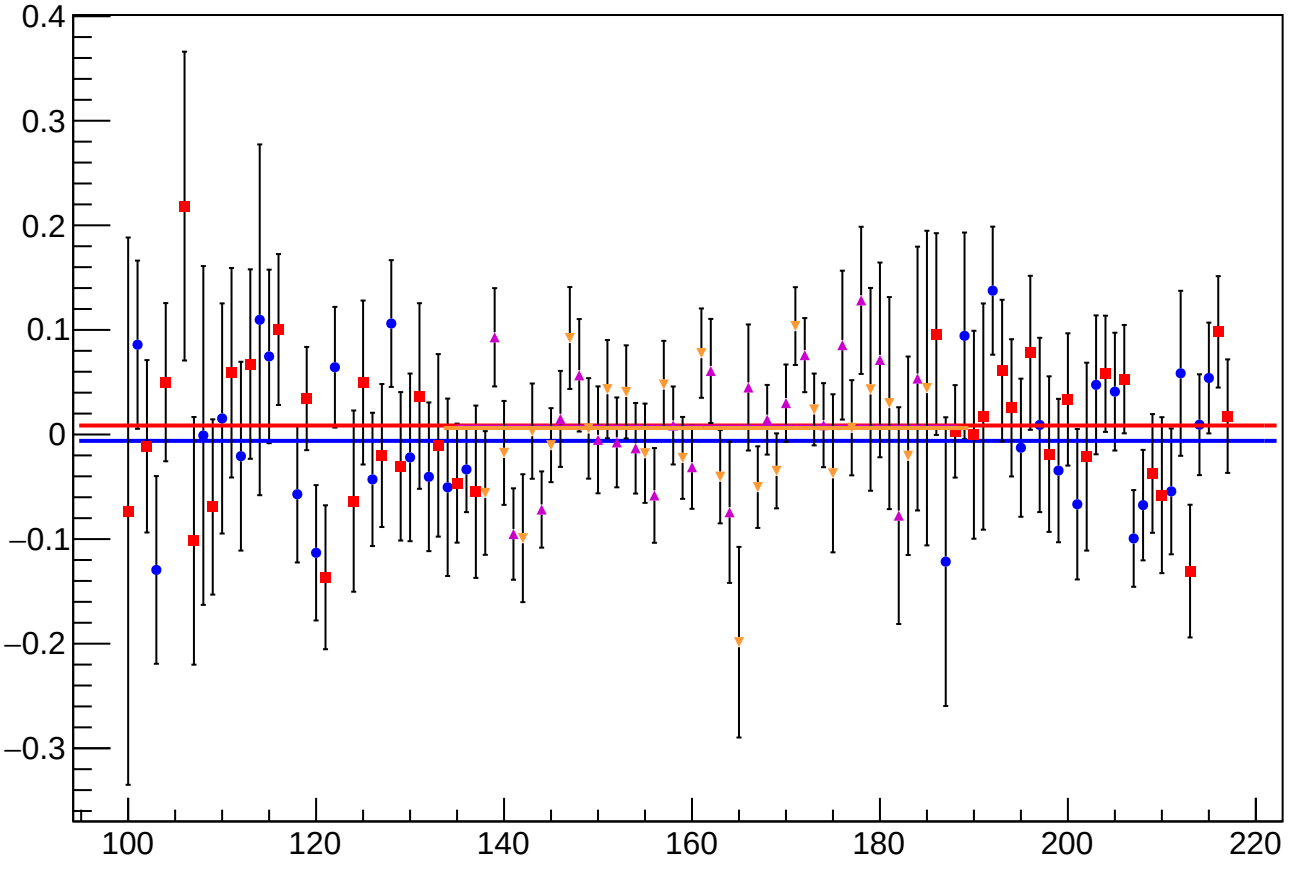
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13999562.3/66

In: 0.000+/-0.000 χ^2/NDF:14288638.4/53

Out: 0.000+/-0.000 χ^2/NDF:14357566.2/60

All: 0.000+/-0.000 χ^2/NDF: 28701551.7/114



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: 0.009+/-0.012 χ^2/NDF: 27.8/35

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

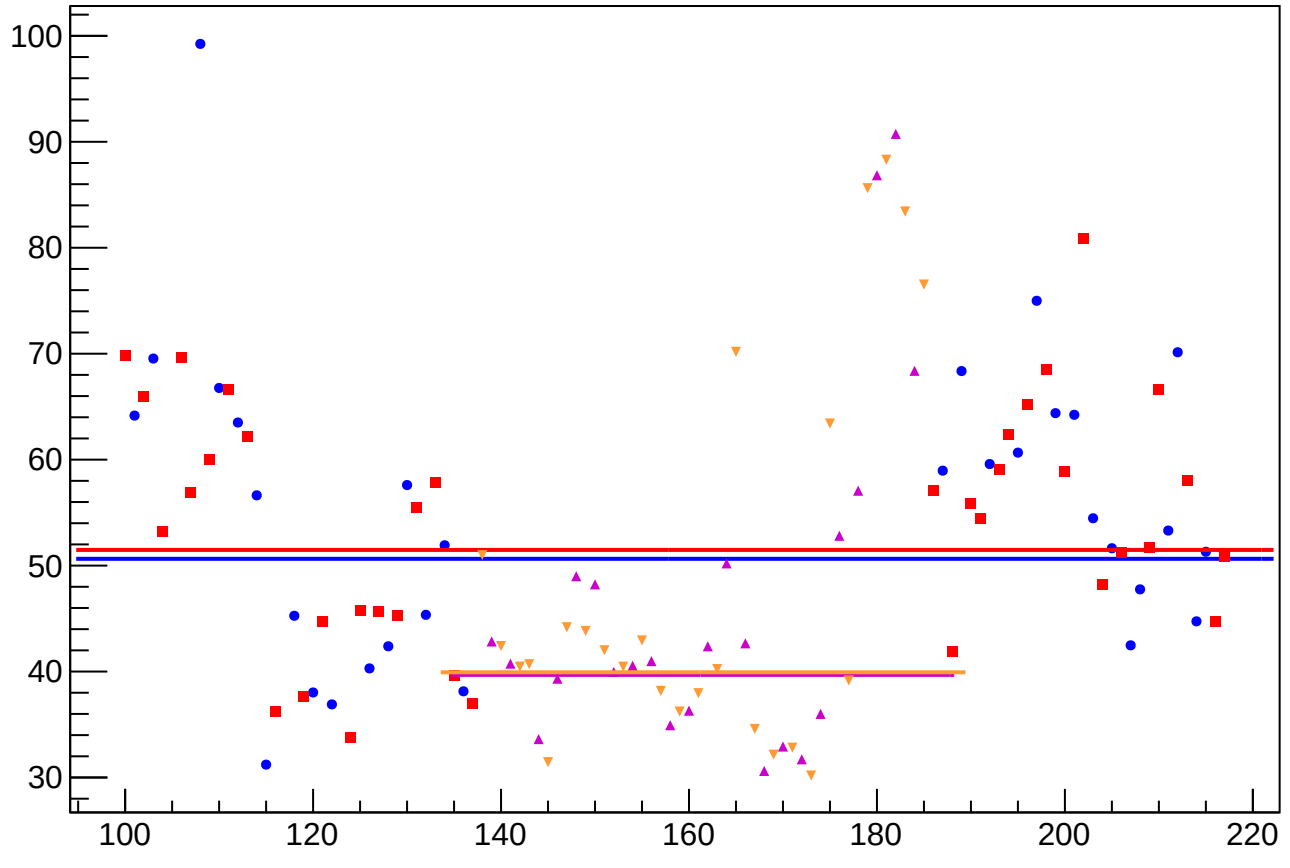
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.001+/-0.008 χ^2/NDF: 60.5/66

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.007+/-0.007 χ^2/NDF:58.6/60

All: 0.005+/-0.005 χ^2/NDF: 122.0/114



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: 51.480+/-0.008 χ^2/NDF: 1498460.0/35

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

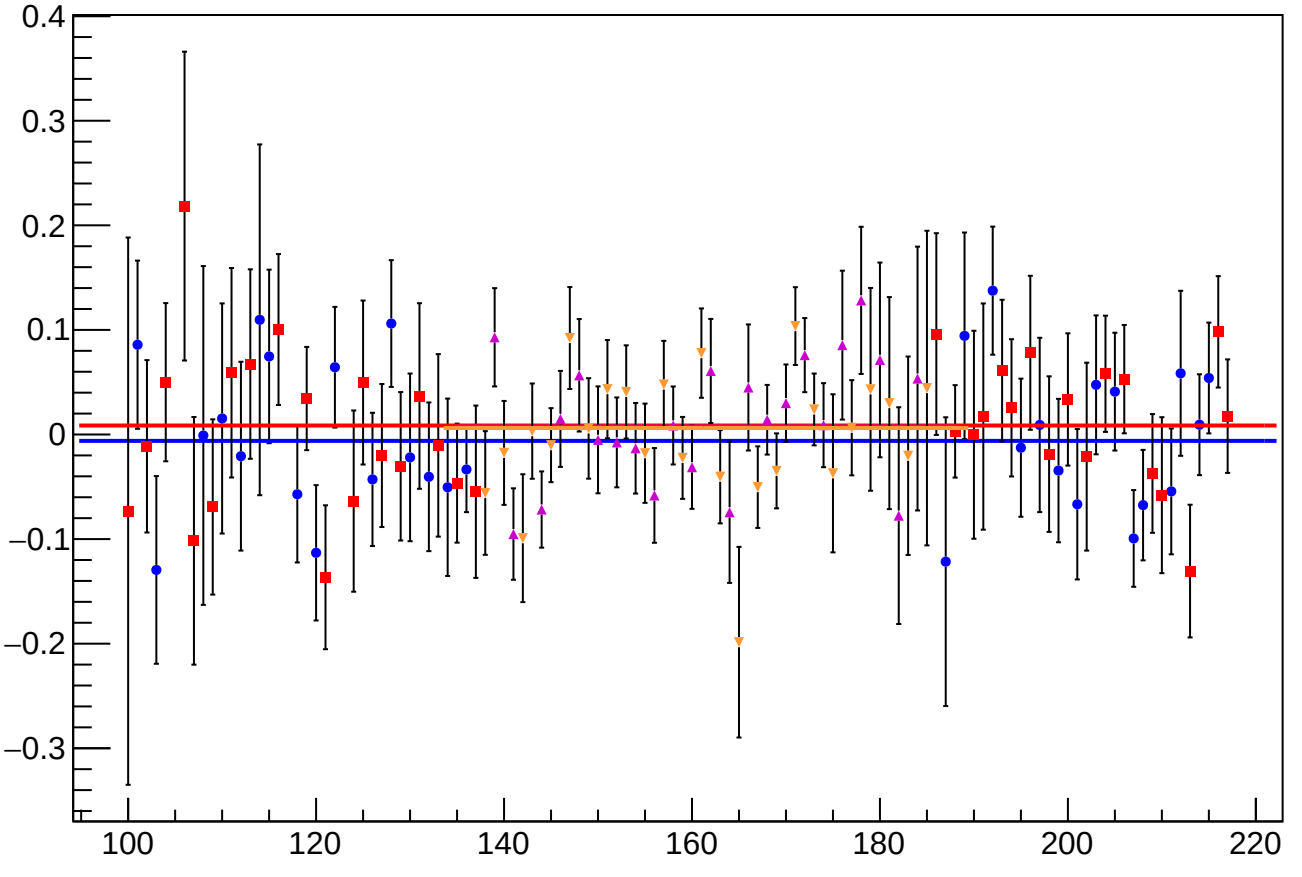
Right: 51.069+/-0.006 χ^2/NDF: 3246793.4/66

In: 44.031+/-0.005 χ^2/NDF:4655691.1/53

Out: 44.512+/-0.005 χ^2/NDF:5129283.3/60

All: 44.277+/-0.004 χ^2/NDF: 9789071.7/114

asym_sam_24_68_dd_dit_vs_eigen_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: 0.009+/-0.012 χ^2/NDF: 27.8/35

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

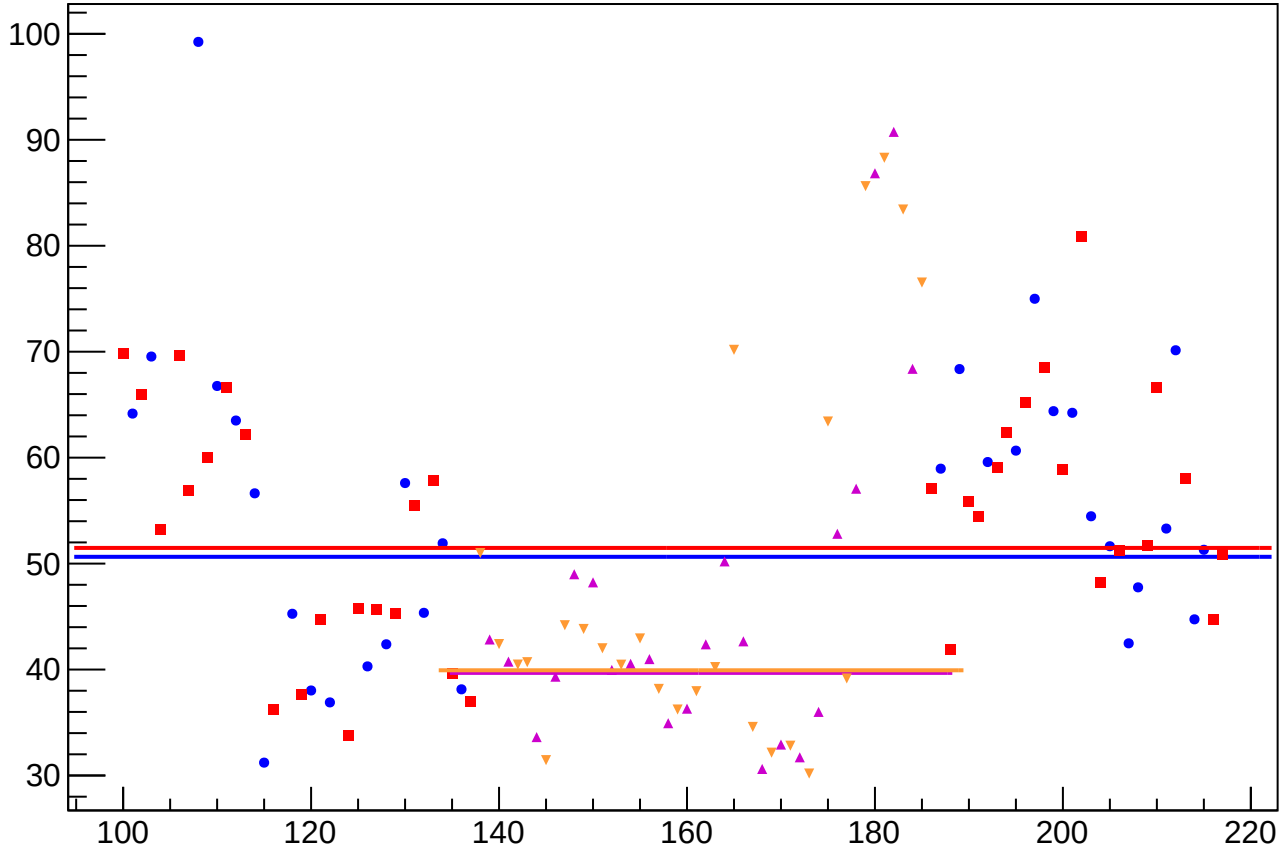
Right: 0.001+/-0.008 χ^2/NDF: 60.5/66

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.007+/-0.007 χ^2/NDF:58.6/60

All: 0.005+/-0.005 χ^2/NDF: 122.0/114

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: 51.480+/-0.008 χ^2/NDF: 1498460.0/35

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

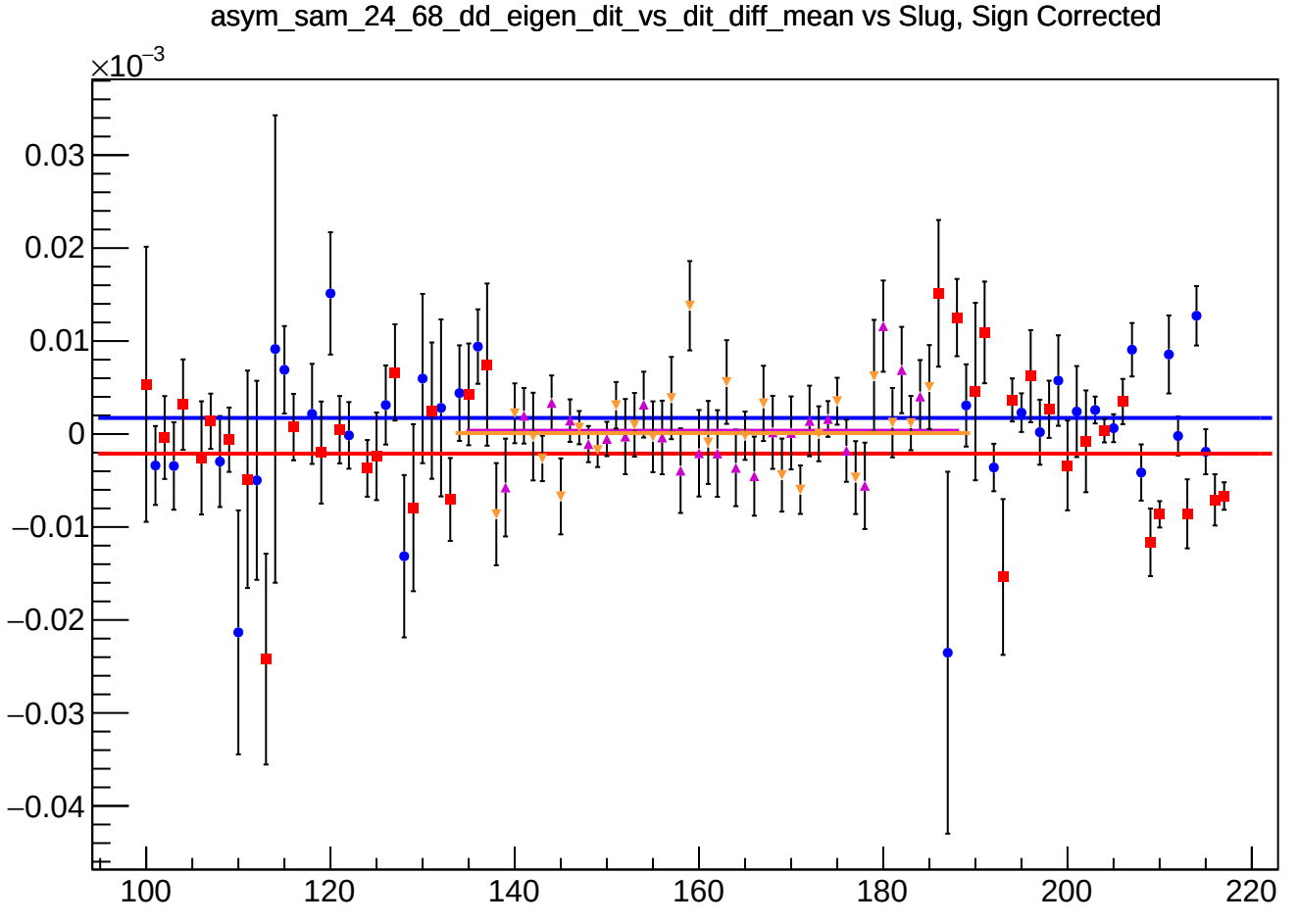
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.069+/-0.006 χ^2/NDF: 3246793.4/66

In: 44.031+/-0.005 χ^2/NDF:4655691.1/53

Out: 44.512+/-0.005 χ^2/NDF:5129283.3/60

All: 44.277+/-0.004 χ^2/NDF: 9789071.7/114



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: 106.3/35

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

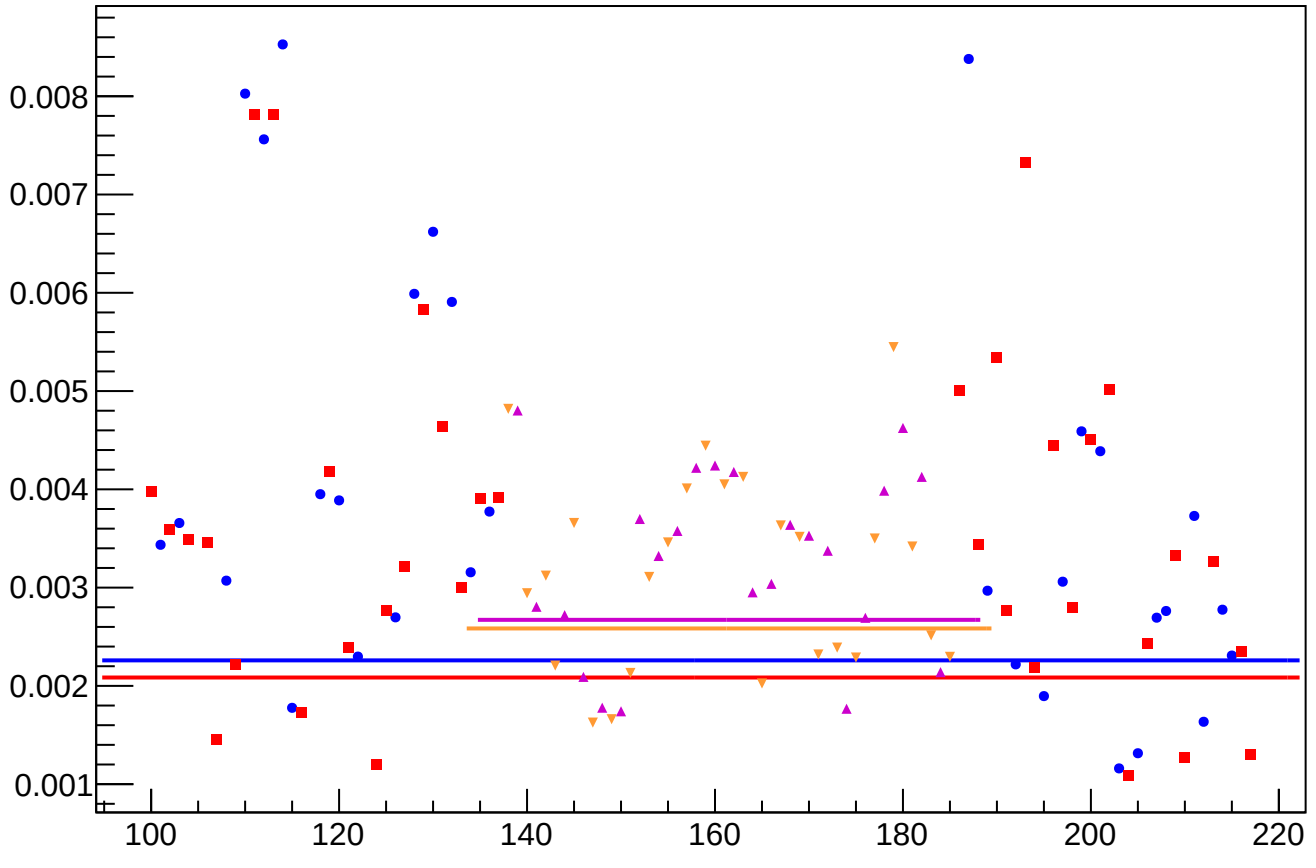
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: -0.000+/-0.000 χ^2/NDF: 185.0/66

In: 0.000+/-0.000 χ^2/NDF:76.9/53

Out: -0.000+/-0.000 χ^2/NDF:146.6/60

All: -0.000+/-0.000 χ^2/NDF: 237.9/114



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: 9398778.7/35

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

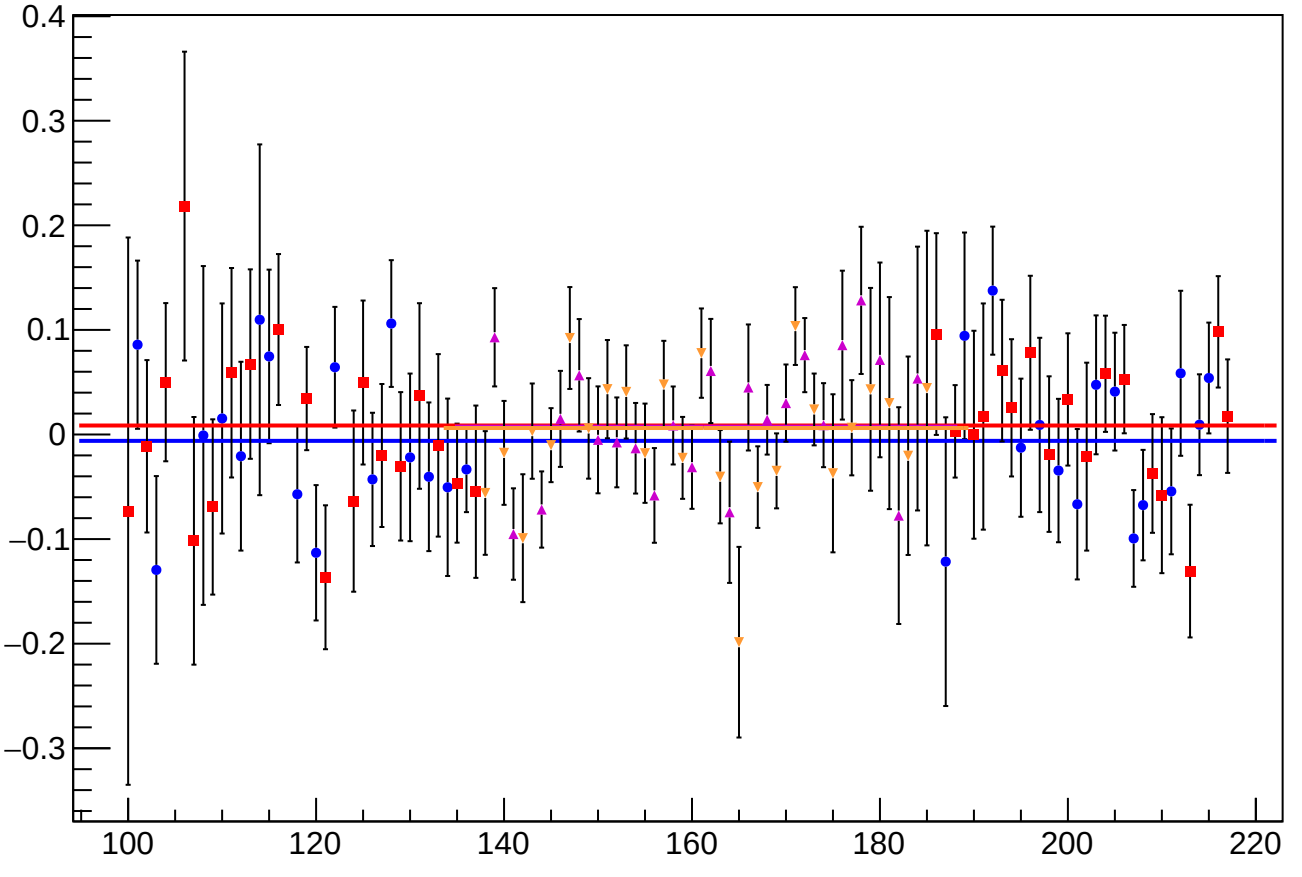
Right: 0.002+/-0.000 χ^2/NDF: 16487735.1/66

In: 0.002+/-0.000 χ^2/NDF:11245503.2/53

Out: 0.002+/-0.000 χ^2/NDF:14019230.0/60

All: 0.002+/-0.000 χ^2/NDF: 25376315.6/114

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: 0.009+/-0.012 χ^2/NDF: 27.8/35

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

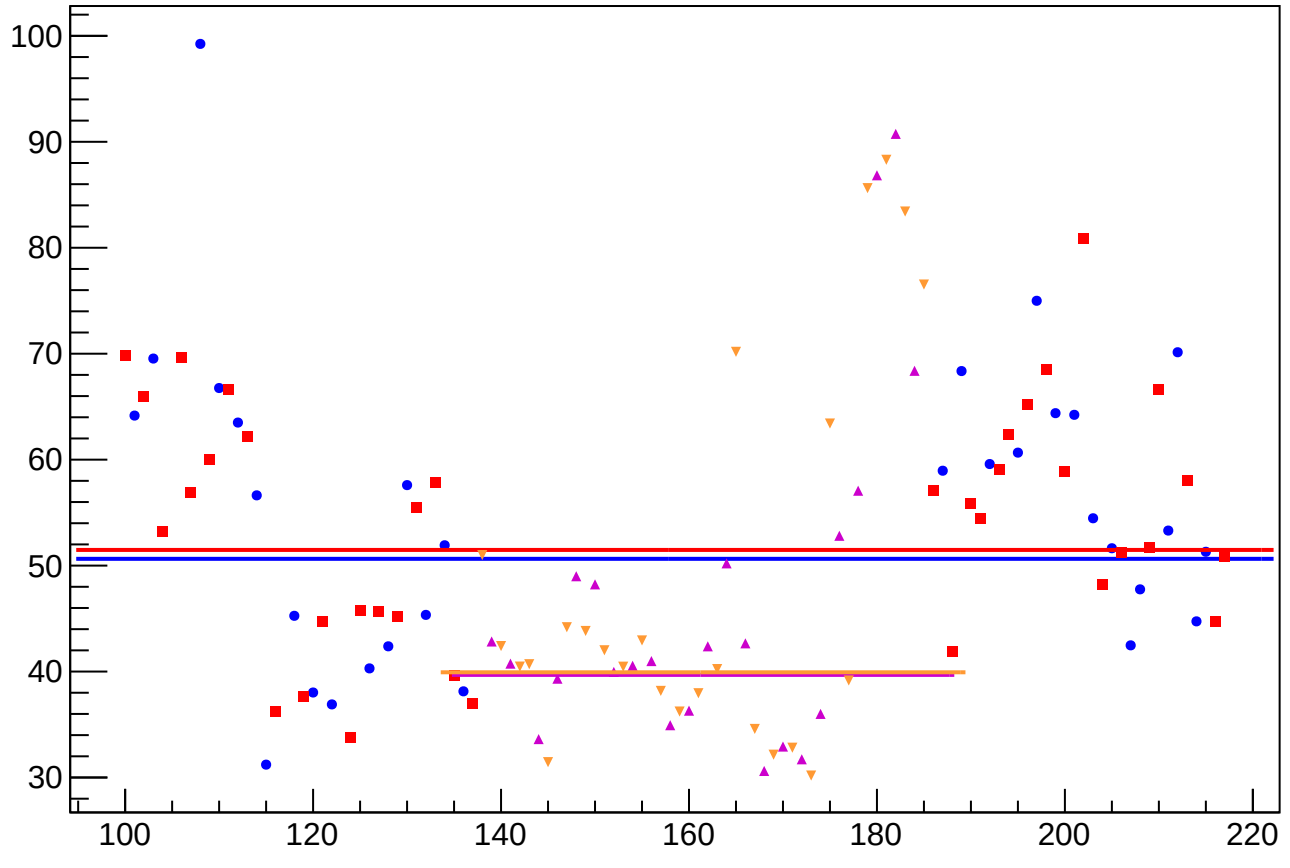
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.001+/-0.008 χ^2/NDF: 60.5/66

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.007+/-0.007 χ^2/NDF:58.6/60

All: 0.005+/-0.005 χ^2/NDF: 122.0/114



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: 51.479+/-0.008 χ^2/NDF: 1498489.2/35

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

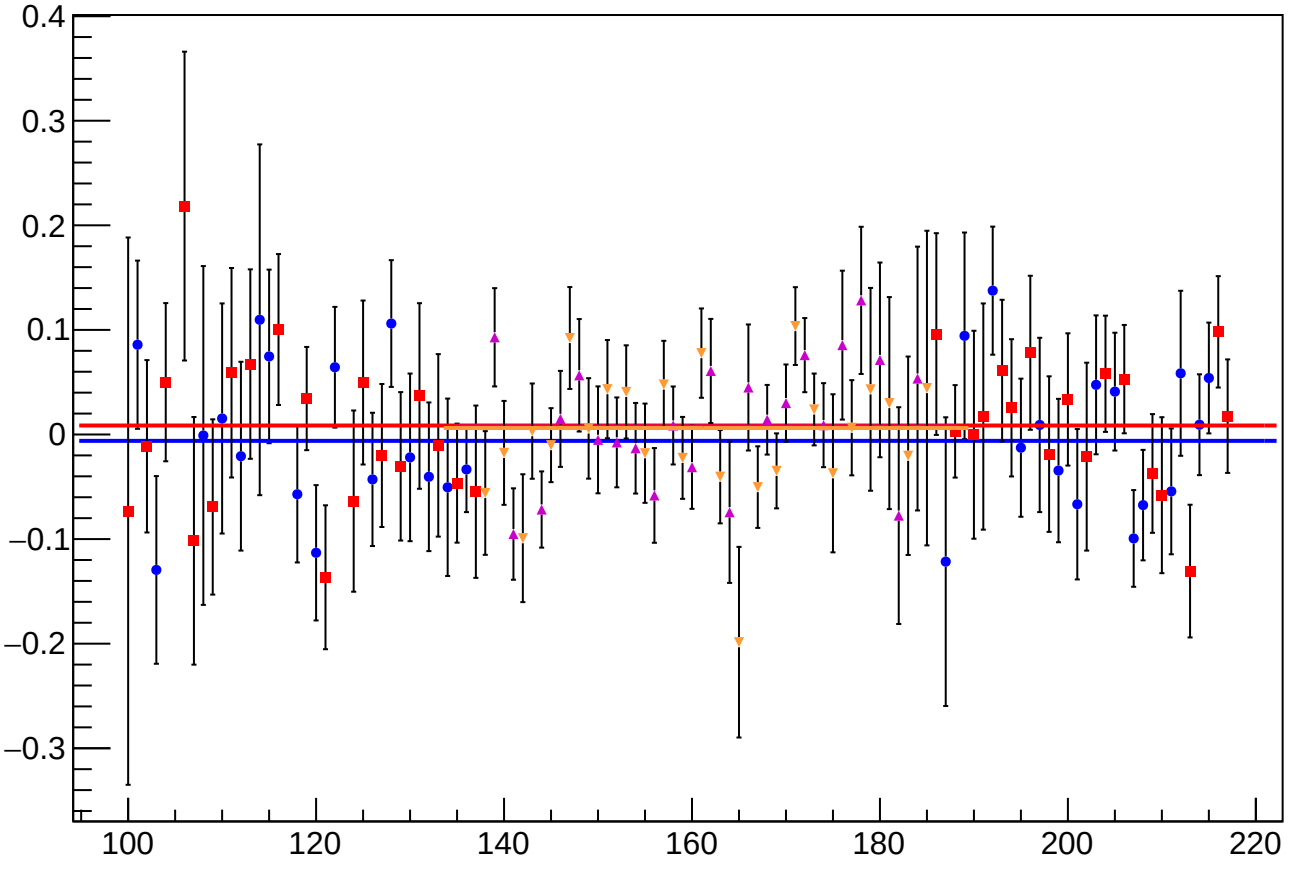
Right: 51.068+/-0.006 χ^2/NDF: 3246907.1/66

In: 44.031+/-0.005 χ^2/NDF:4655662.9/53

Out: 44.512+/-0.005 χ^2/NDF:5129229.4/60

All: 44.277+/-0.004 χ^2/NDF: 9788995.7/114

asym_sam_24_68_dd_eigen_dit_vs_eigen_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: 0.009+/-0.012 χ^2/NDF: 27.8/35

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

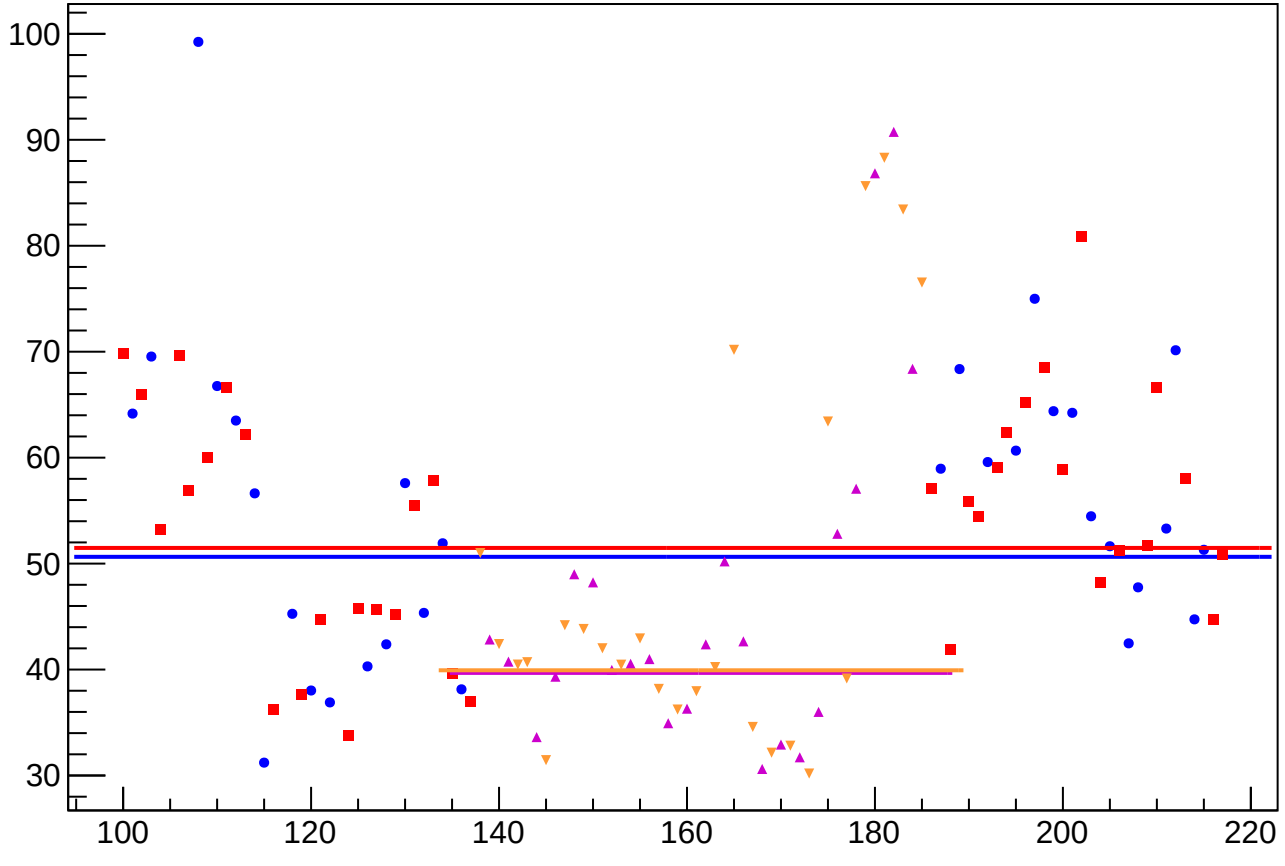
Right: 0.001+/-0.008 χ^2/NDF: 60.5/66

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.007+/-0.007 χ^2/NDF:58.6/60

All: 0.005+/-0.005 χ^2/NDF: 122.0/114

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: 51.479+/-0.008 χ^2/NDF: 1498489.2/35

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

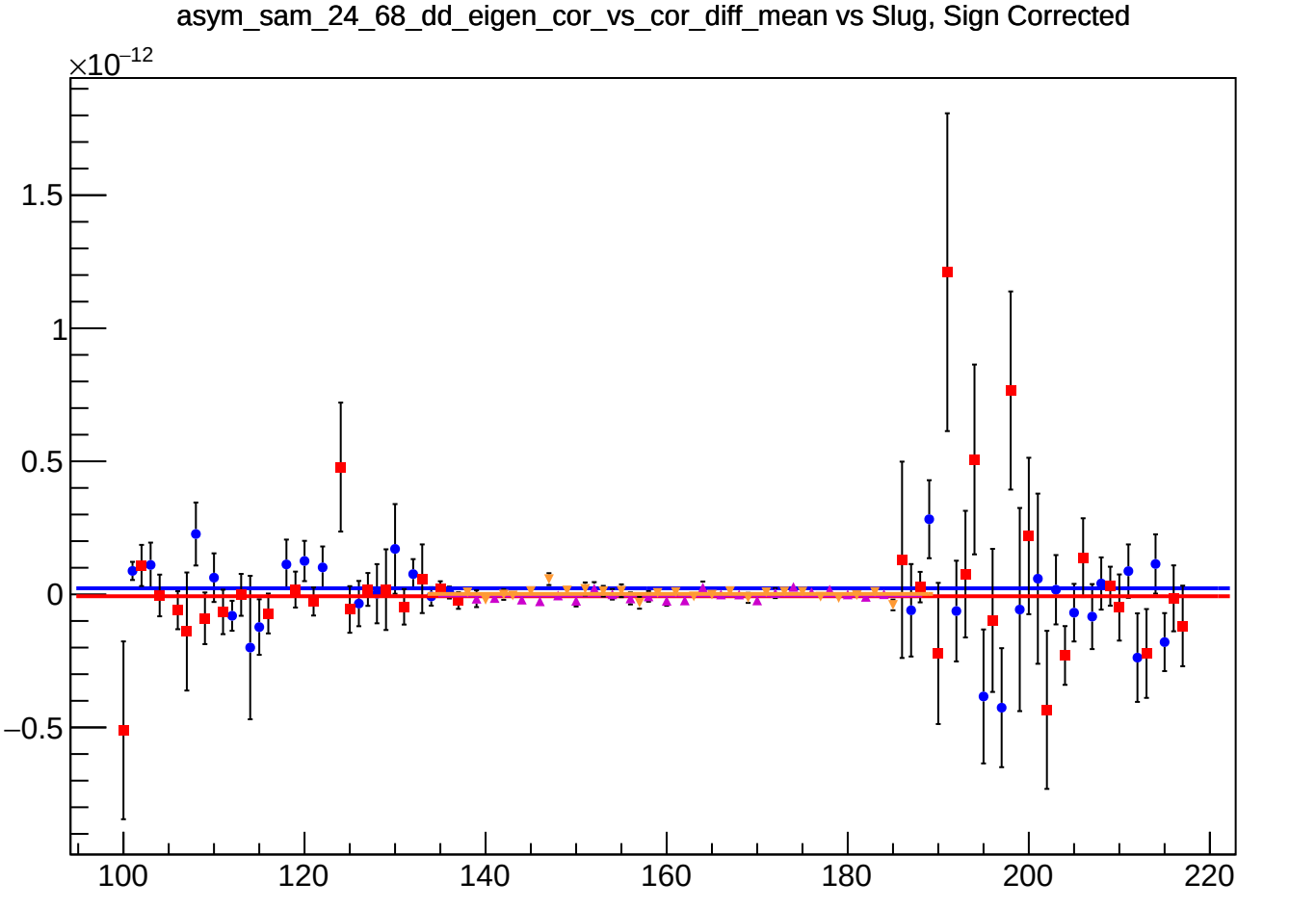
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.068+/-0.006 χ^2/NDF: 3246907.1/66

In: 44.031+/-0.005 χ^2/NDF:4655662.9/53

Out: 44.512+/-0.005 χ^2/NDF:5129229.4/60

All: 44.277+/-0.004 χ^2/NDF: 9788995.7/114



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: 36.5/35

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

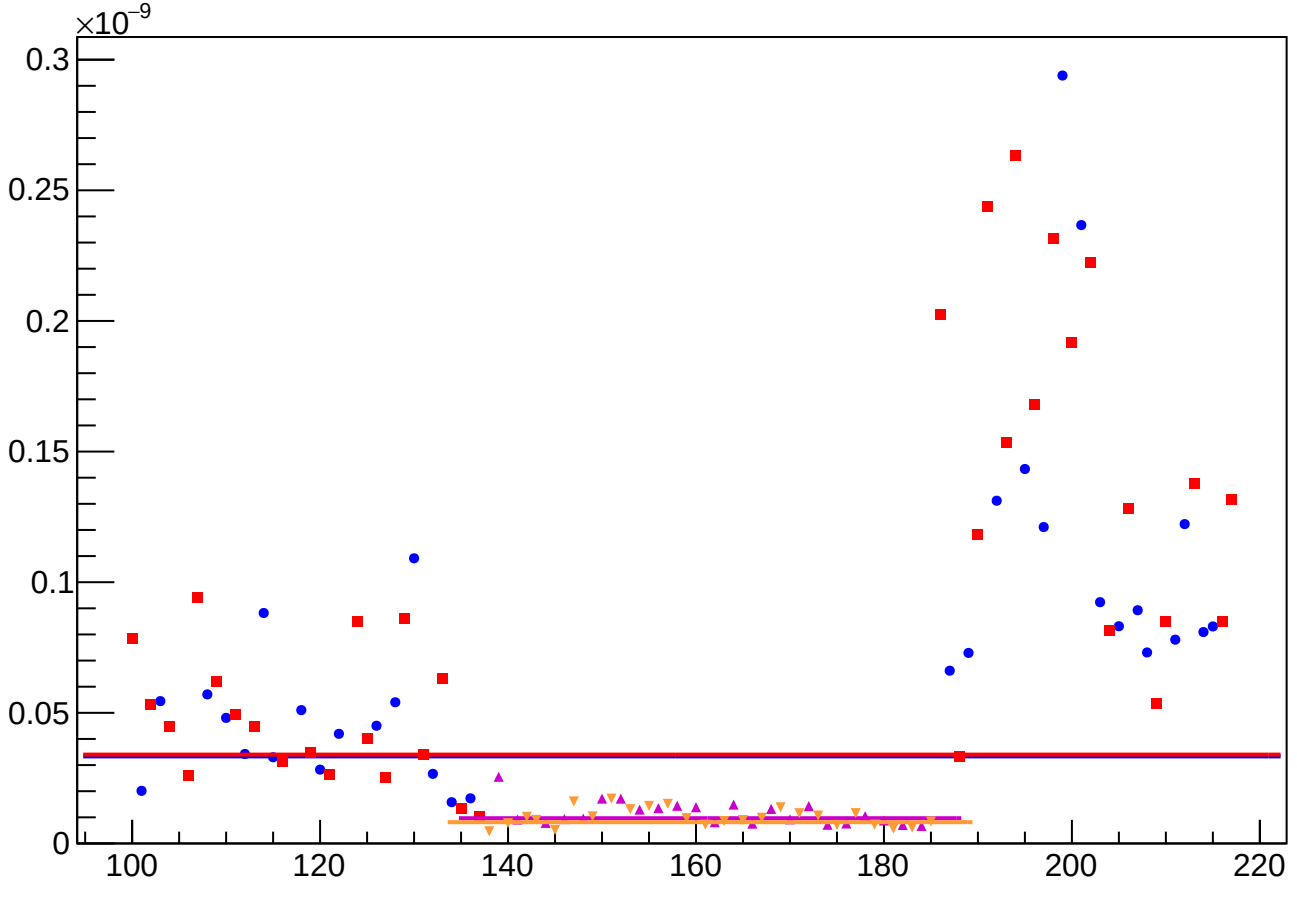
Right: 0.000+/-0.000 χ^2/NDF: 79.1/66

In: -0.000+/-0.000 χ^2/NDF:71.6/53

Out: 0.000+/-0.000 χ^2/NDF:64.9/60

All: -0.000+/-0.000 χ^2/NDF: 137.5/114

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 11703299.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

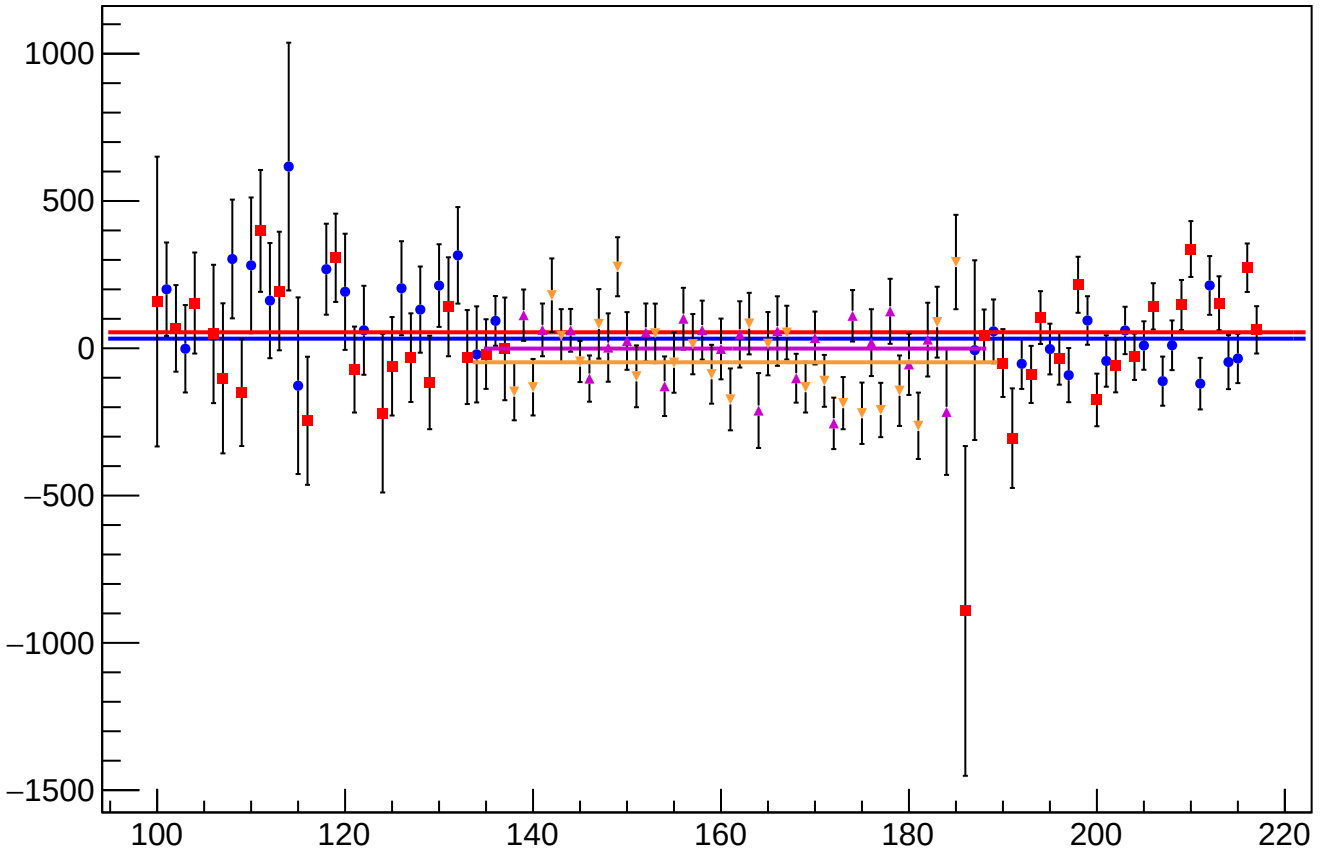
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21055810.7/66

In: 0.000+/-0.000 χ^2/NDF:18063116.0/53

Out: 0.000+/-0.000 χ^2/NDF:21511851.7/60

All: 0.000+/-0.000 χ^2/NDF: 40029228.6/114



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: 54.386+/-19.707 χ^2/NDF: 58.4/35

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

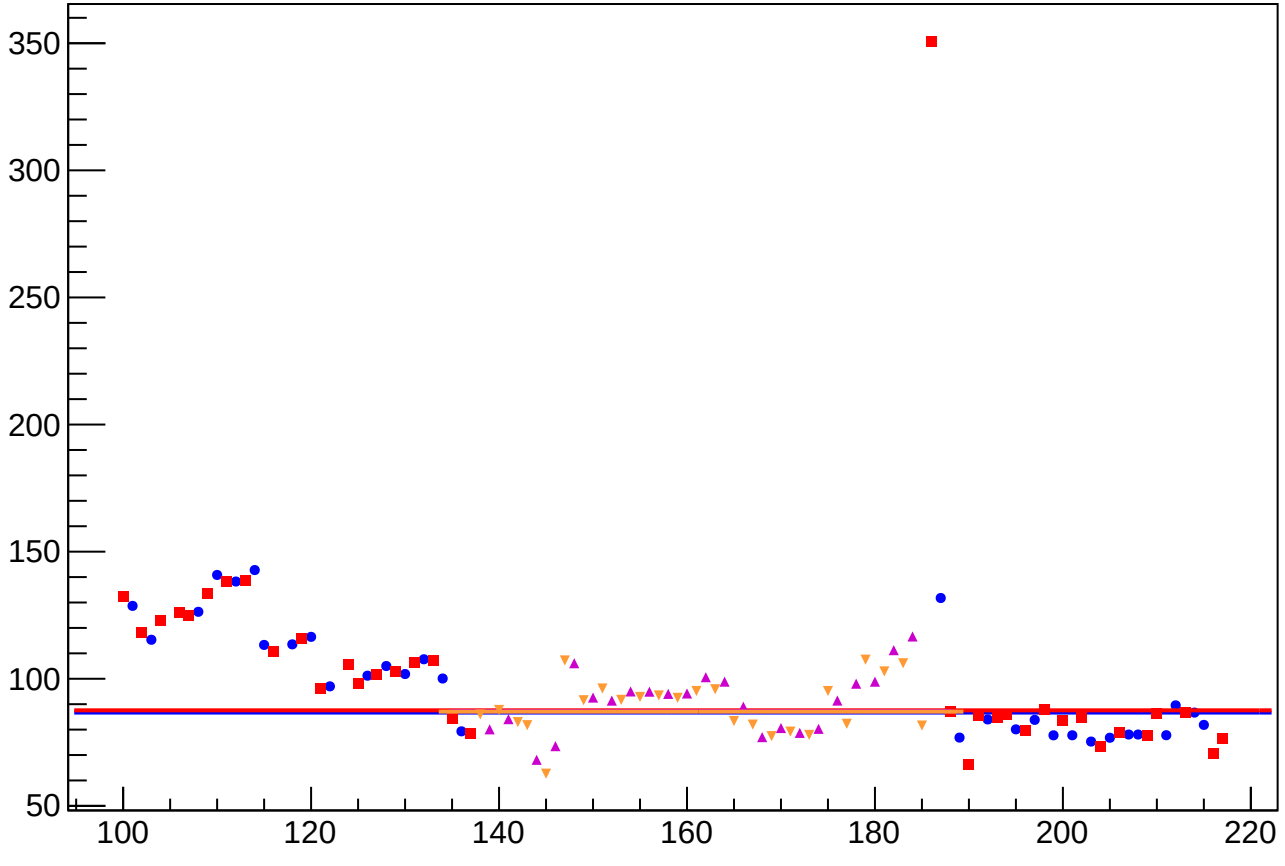
Right: 43.717+/-14.066 χ^2/NDF: 91.0/66

In: 16.256+/-14.381 χ^2/NDF:58.8/53

Out: 4.140+/-14.032 χ^2/NDF:115.5/60

All: 10.049+/-10.043 χ^2/NDF: 174.7/114

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 86.705+/-0.014 χ^2/NDF: 1101447.0/30

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 87.587+/-0.014 χ^2/NDF: 1658286.7/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

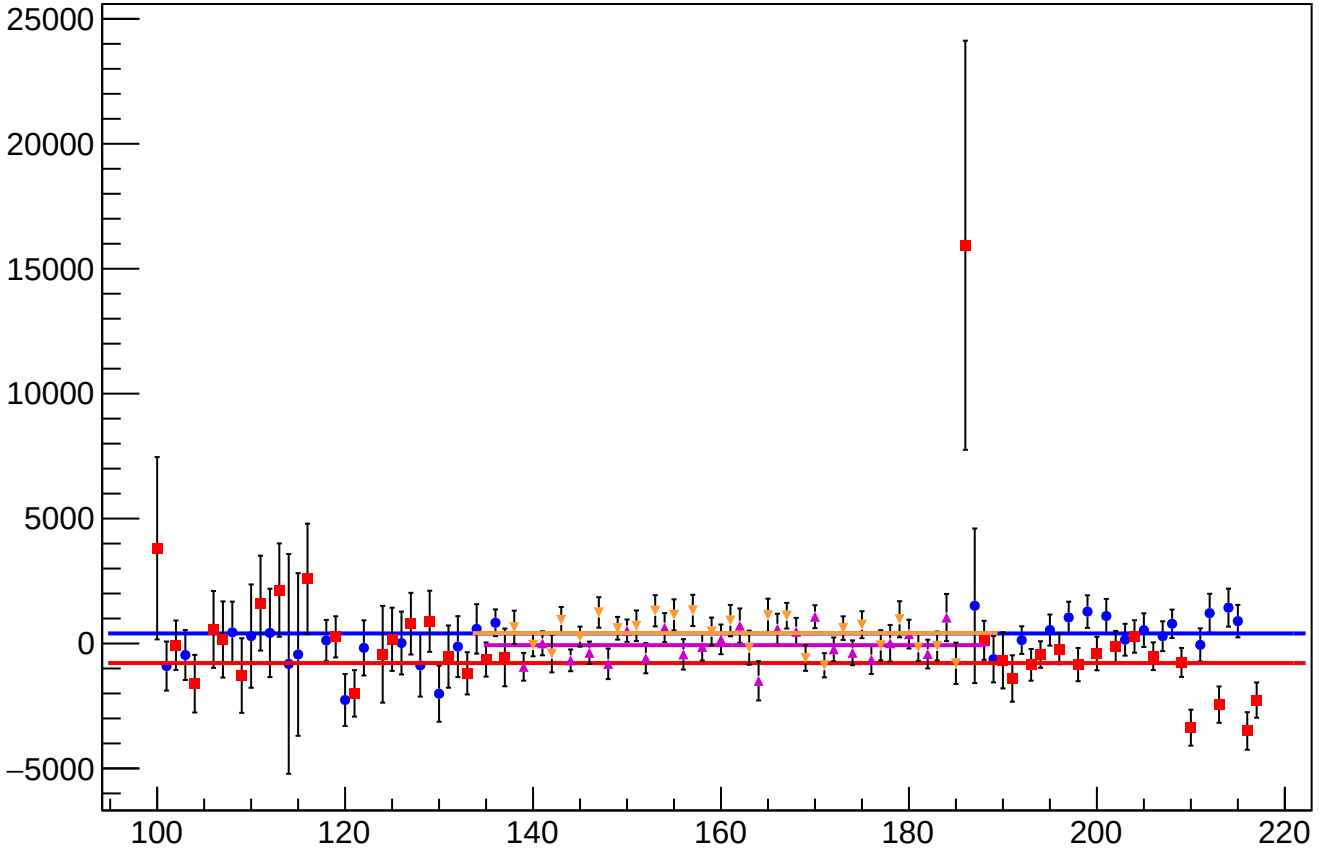
Right: 87.155+/-0.010 χ^2/NDF: 2761696.9/66

In: 86.974+/-0.010 χ^2/NDF:1697973.9/53

Out: 87.333+/-0.010 χ^2/NDF:2279587.3/60

All: 87.158+/-0.007 χ^2/NDF: 3978199.6/114

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: -782.293+/-142.433 χ^2/NDF: 65.3/35

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

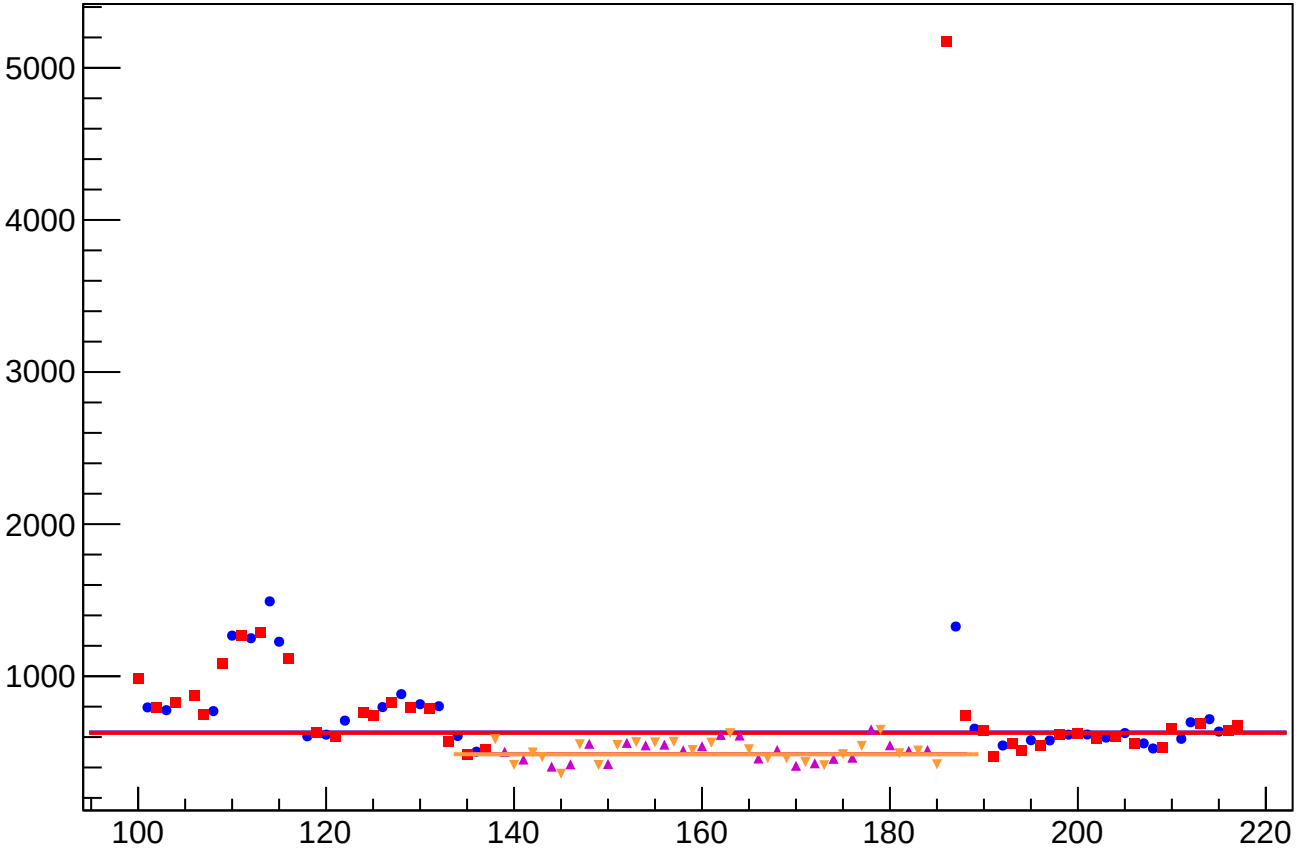
Right: -206.793+/-102.144 χ^2/NDF: 125.3/66

In: 112.942+/-90.677 χ^2/NDF:60.2/53

Out: -43.275+/-88.204 χ^2/NDF:141.4/60

All: 32.674+/-63.226 χ^2/NDF: 203.1/114

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 630.210+/-0.104 χ^2/NDF: 1372670.9/30

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 627.889+/-0.101 χ^2/NDF: 2233884.2/35

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

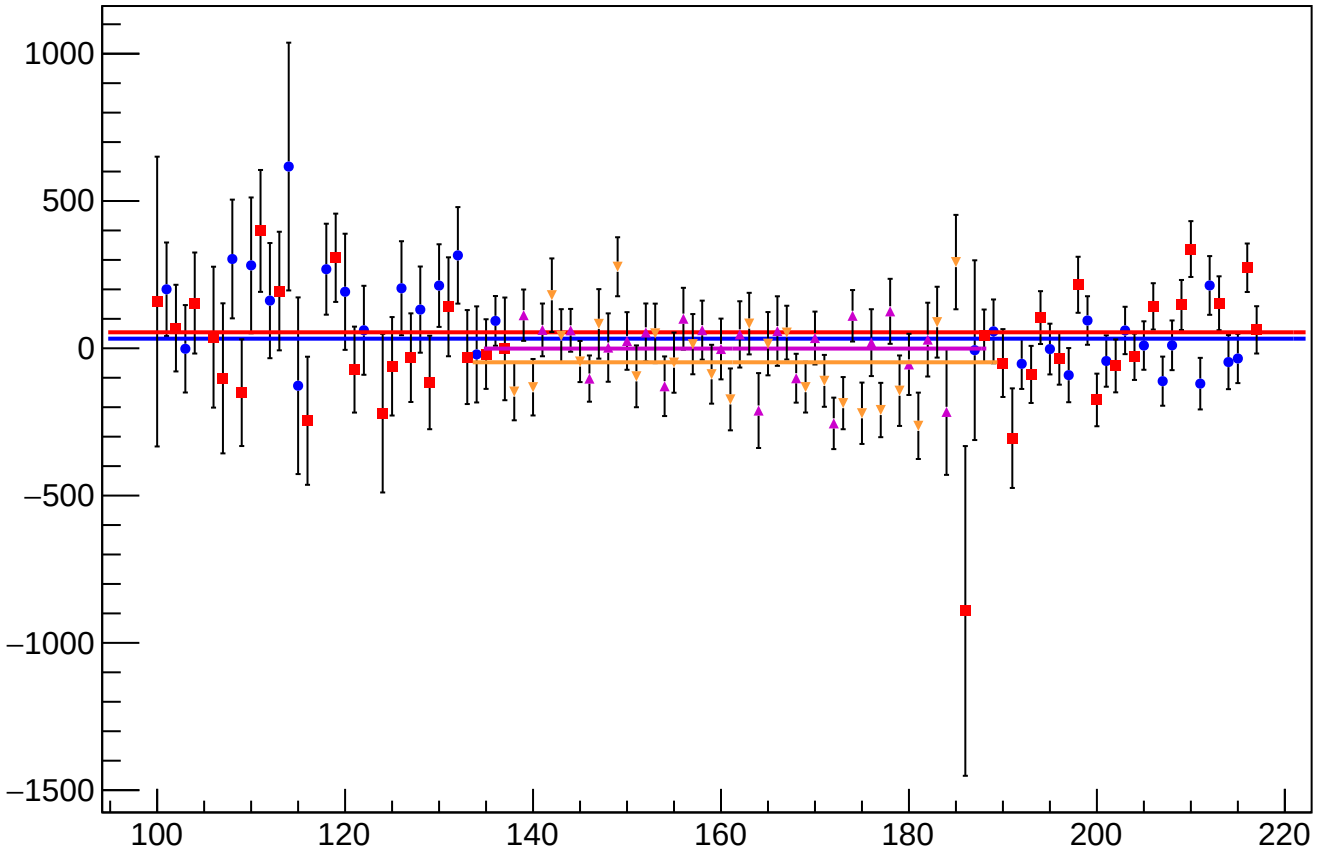
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 629.016+/-0.072 χ^2/NDF: 3606812.9/66

In: 542.391+/-0.064 χ^2/NDF:3170267.3/53

Out: 541.080+/-0.062 χ^2/NDF:4260202.8/60

All: 541.717+/-0.045 χ^2/NDF: 7430685.0/114



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: 54.330+/-19.710 χ^2/NDF: 58.4/35

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

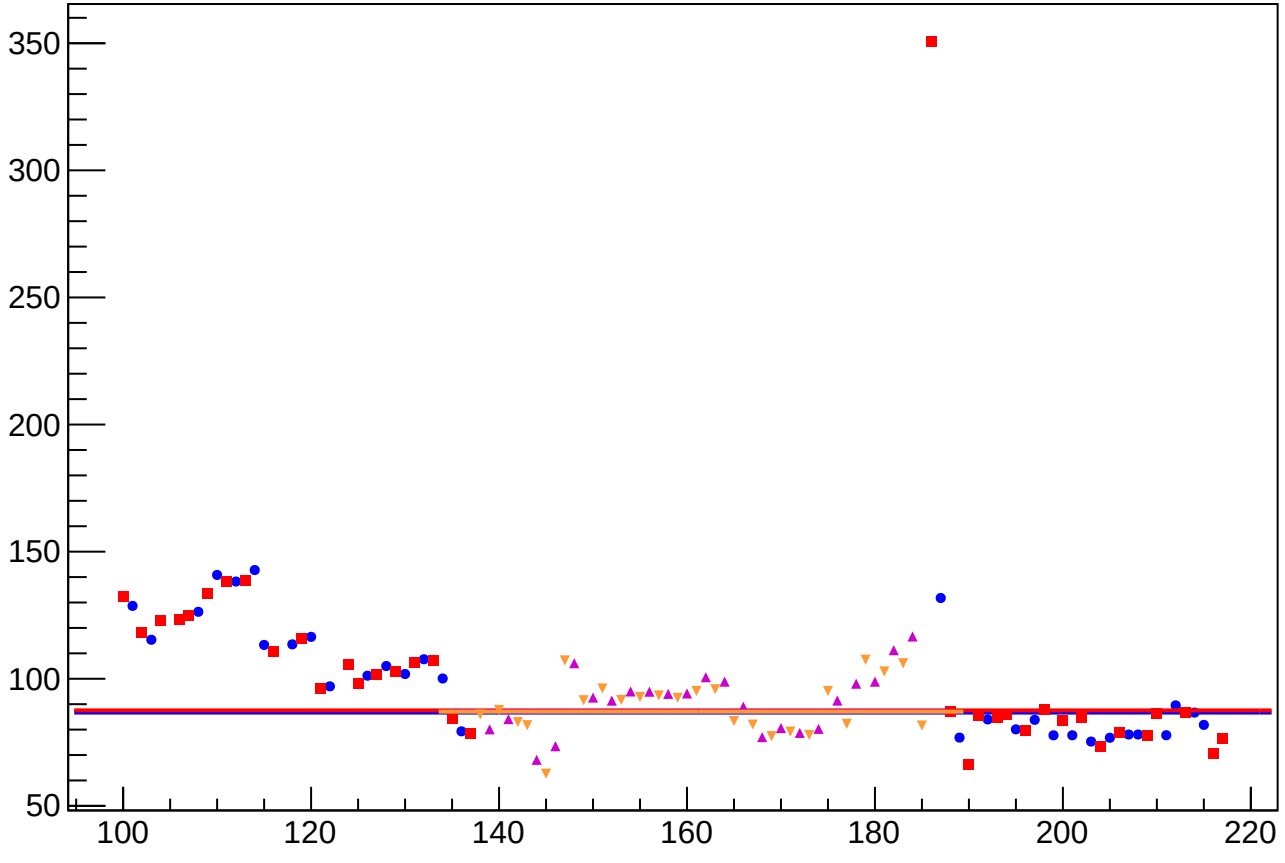
Right: 43.684+/-14.067 χ^2/NDF: 91.0/66

In: 16.252+/-14.381 χ^2/NDF:58.8/53

Out: 4.101+/-14.032 χ^2/NDF:115.5/60

All: 10.027+/-10.043 χ^2/NDF: 174.7/114

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 86.705+/-0.014 χ^2/NDF: 1101447.4/30

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 87.558+/-0.014 χ^2/NDF: 1649151.6/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

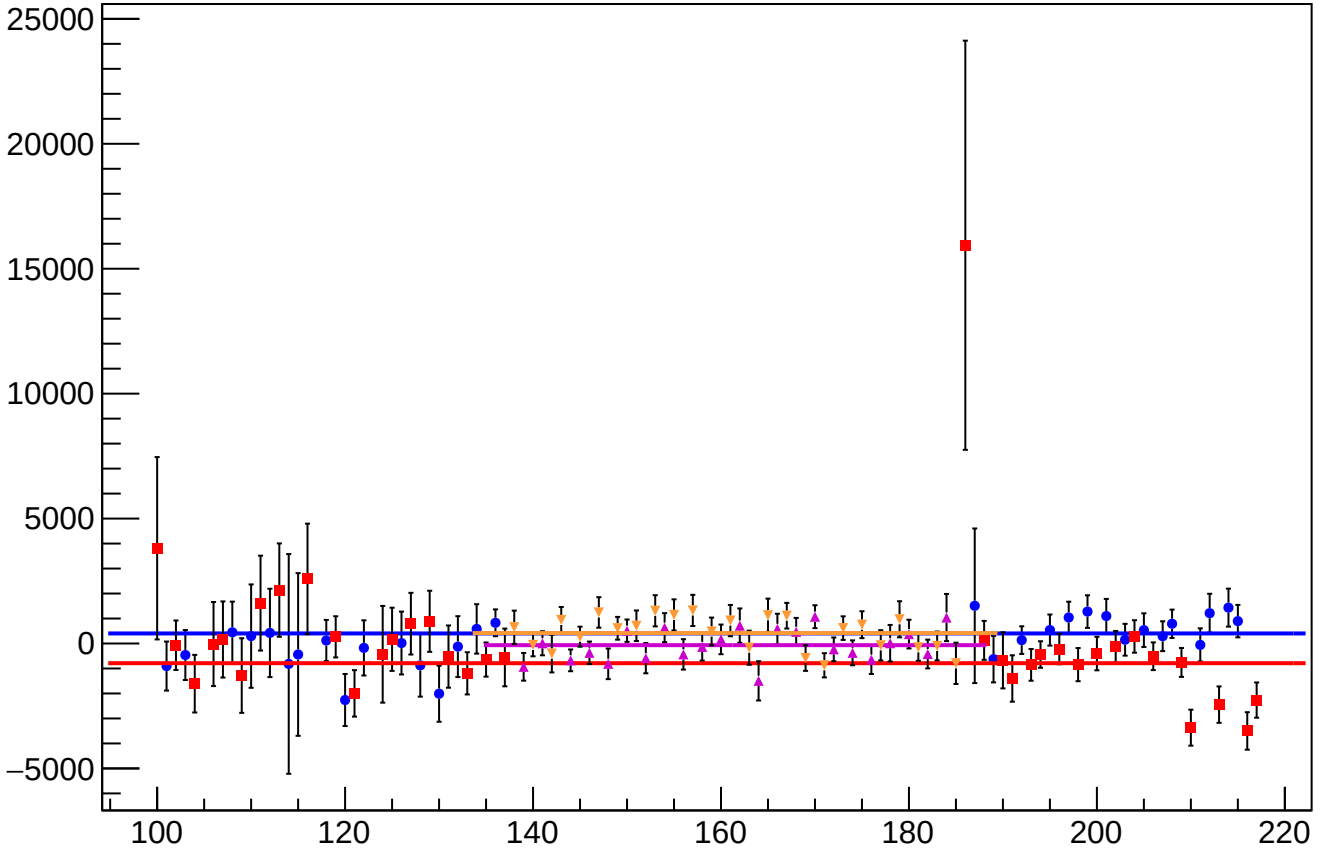
Right: 87.140+/-0.010 χ^2/NDF: 2752436.0/66

In: 86.974+/-0.010 χ^2/NDF:1697974.3/53

Out: 87.318+/-0.010 χ^2/NDF:2270379.0/60

All: 87.150+/-0.007 χ^2/NDF: 3968940.8/114

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: -788.408+/-142.536 χ^2/NDF: 64.8/35

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

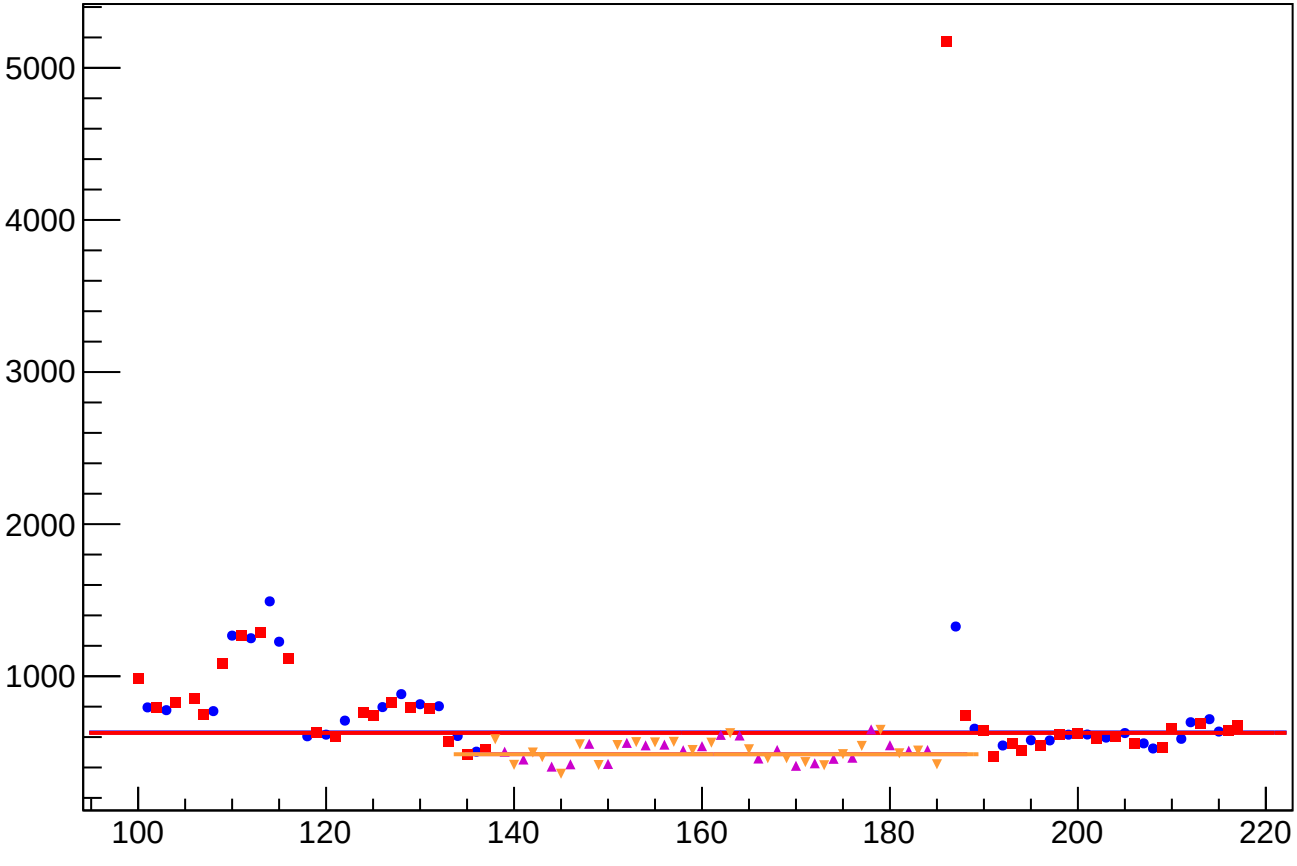
Right: -209.509+/-102.182 χ^2/NDF: 125.0/66

In: 112.942+/-90.677 χ^2/NDF:60.2/53

Out: -45.213+/-88.228 χ^2/NDF:141.3/60

All: 31.700+/-63.235 χ^2/NDF: 203.0/114

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: 627.398+/-0.101 χ^2/NDF: 2218839.1/35

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

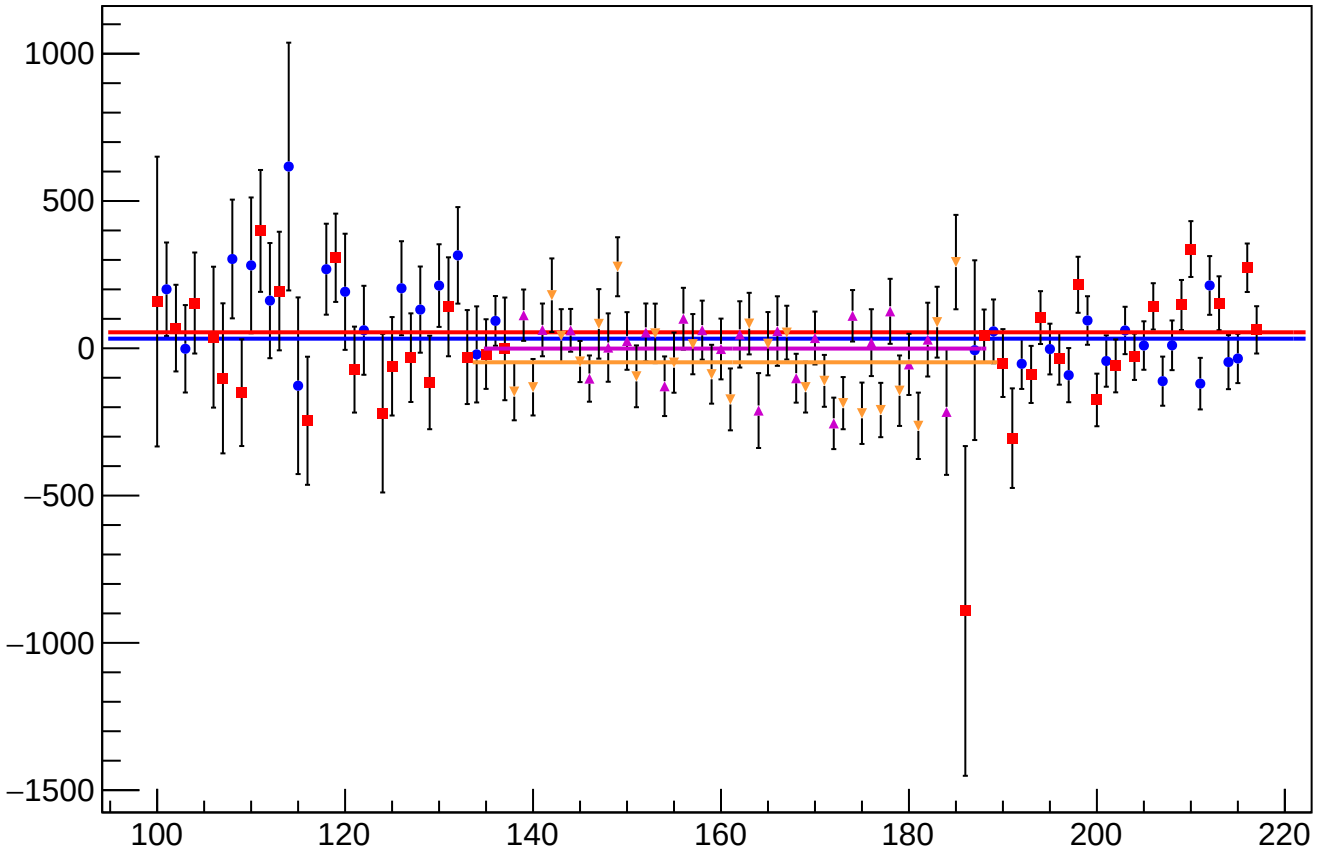
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 628.765+/-0.072 χ^2/NDF: 3591900.2/66

In: 542.391+/-0.064 χ^2/NDF:3170283.4/53

Out: 540.843+/-0.062 χ^2/NDF:4235690.9/60

All: 541.596+/-0.045 χ^2/NDF: 7406273.6/114



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: 54.330+/-19.710 χ^2/NDF: 58.4/35

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

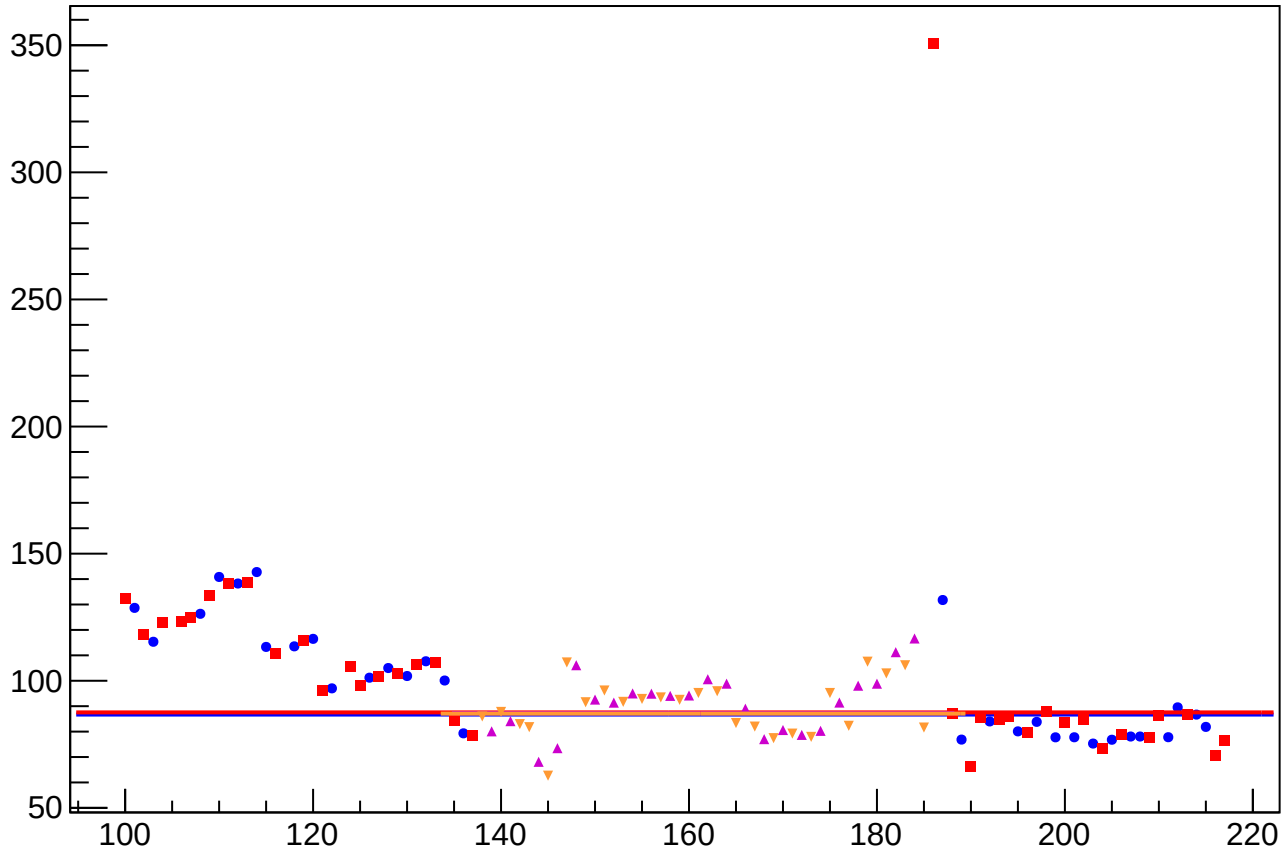
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 43.684+/-14.067 χ^2/NDF: 91.0/66

In: 16.252+/-14.381 χ^2/NDF:58.8/53

Out: 4.101+/-14.032 χ^2/NDF:115.5/60

All: 10.027+/-10.043 χ^2/NDF: 174.7/114



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: 87.558+/-0.014 χ^2/NDF: 1649151.6/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

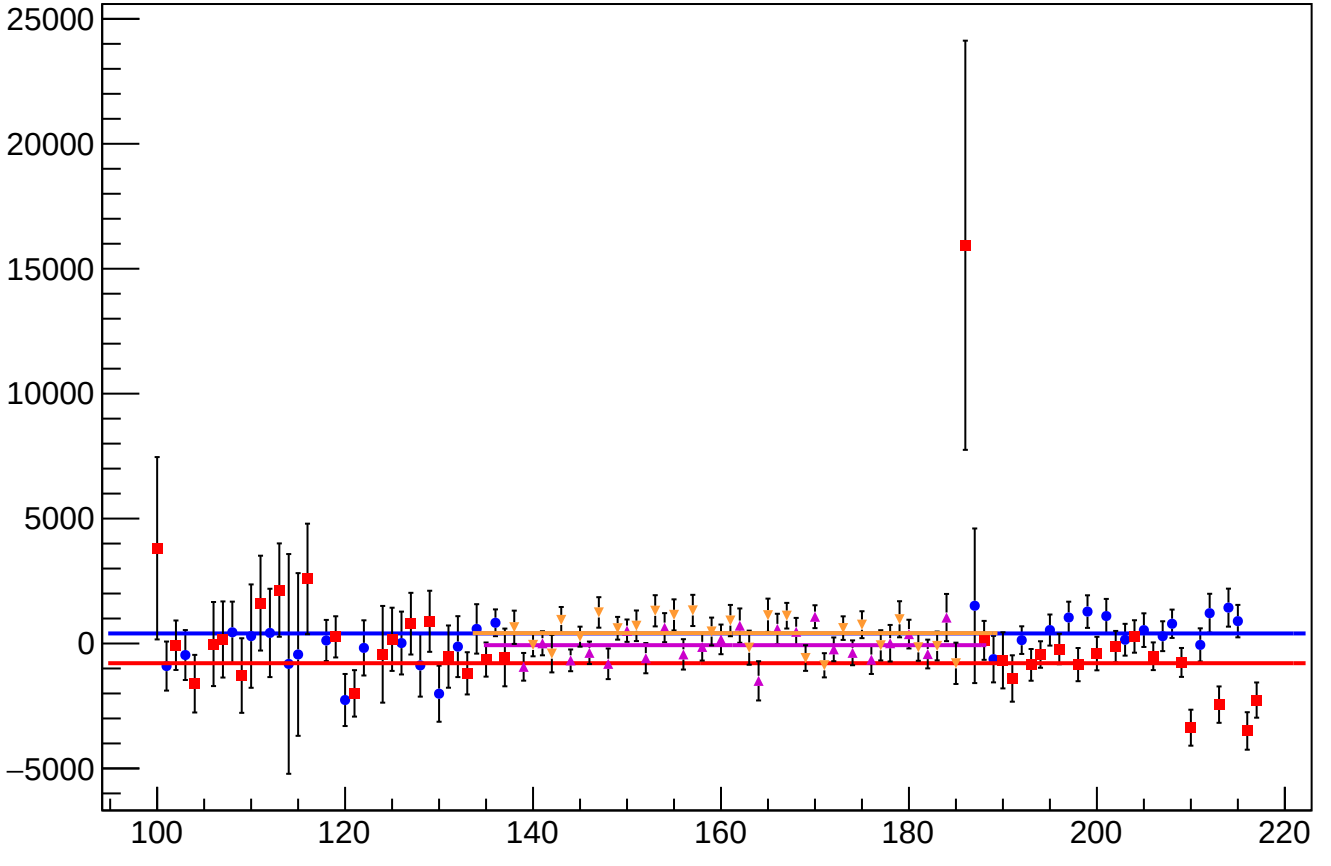
Right: 87.140+/-0.010 χ^2/NDF: 2752436.0/66

In: 86.974+/-0.010 χ^2/NDF:1697974.3/53

Out: 87.318+/-0.010 χ^2/NDF:2270379.0/60

All: 87.150+/-0.007 χ^2/NDF: 3968940.8/114

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: -788.408+/-142.536 χ^2/NDF: 64.8/35

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

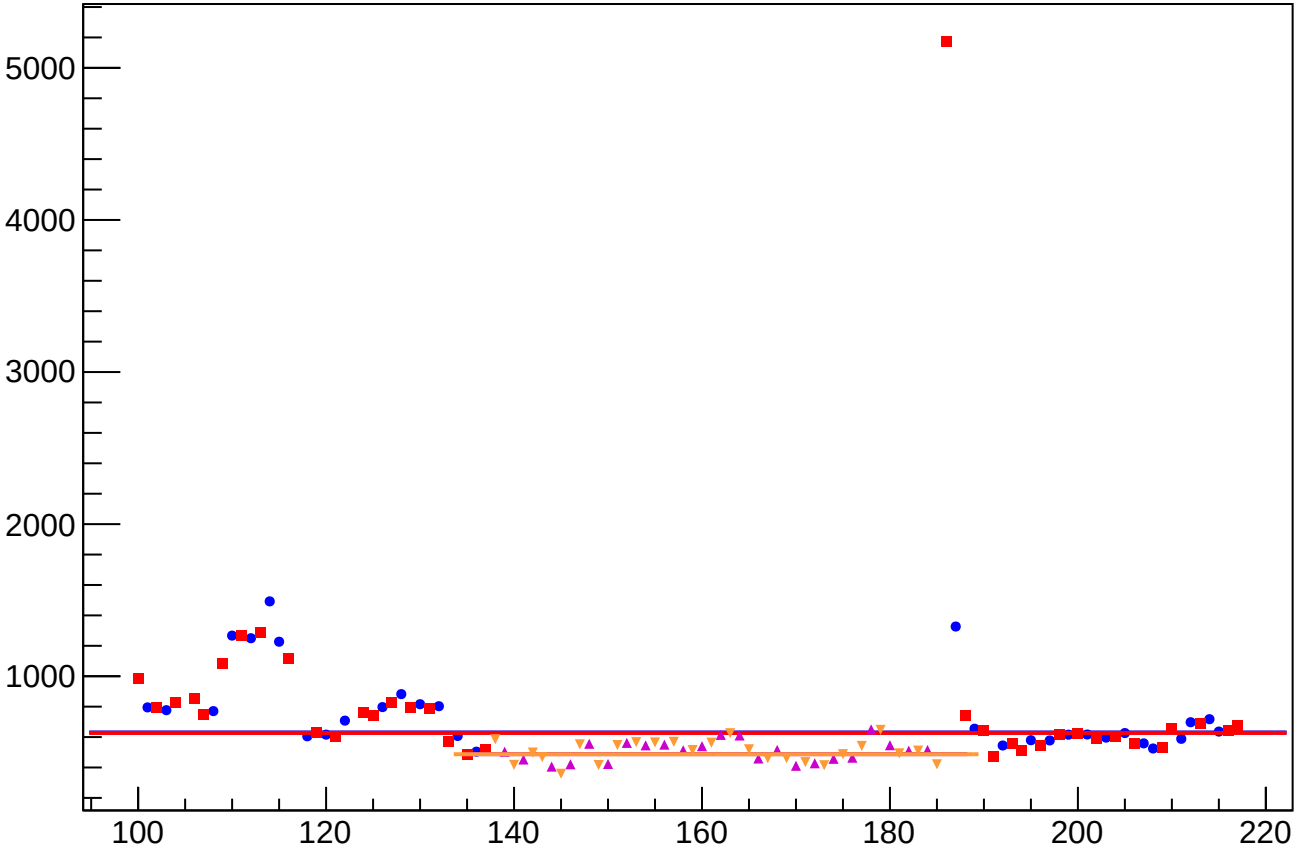
Right: -209.509+/-102.182 χ^2/NDF: 125.0/66

In: 112.942+/-90.677 χ^2/NDF:60.2/53

Out: -45.213+/-88.228 χ^2/NDF:141.3/60

All: 31.700+/-63.235 χ^2/NDF: 203.0/114

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: 627.398+/-0.101 χ^2/NDF: 2218839.1/35

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

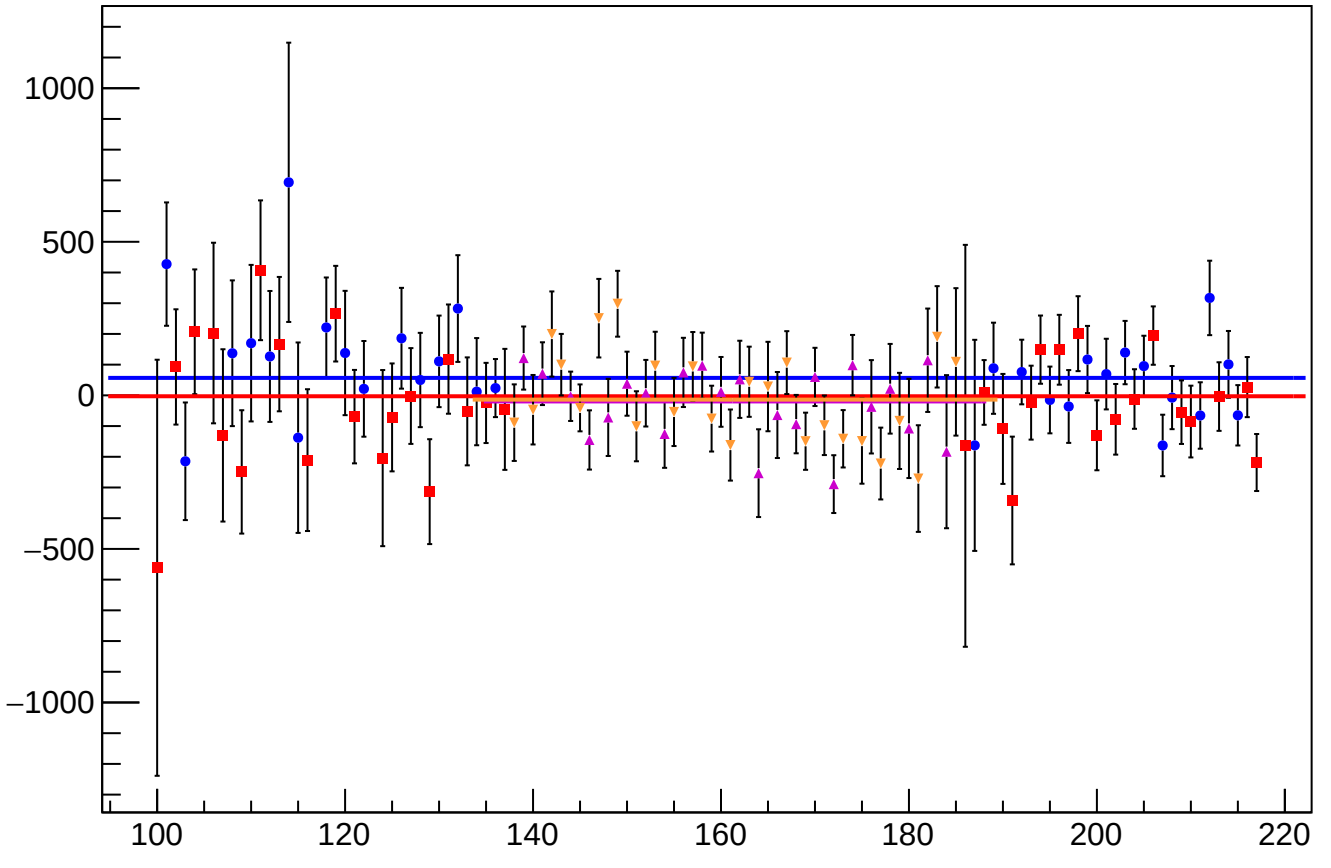
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 628.765+/-0.072 χ^2/NDF: 3591900.2/66

In: 542.391+/-0.064 χ^2/NDF:3170283.4/53

Out: 540.843+/-0.062 χ^2/NDF:4235690.9/60

All: 541.596+/-0.045 χ^2/NDF: 7406273.6/114



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: -2.945+/-23.607 χ^2/NDF: 38.4/35

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

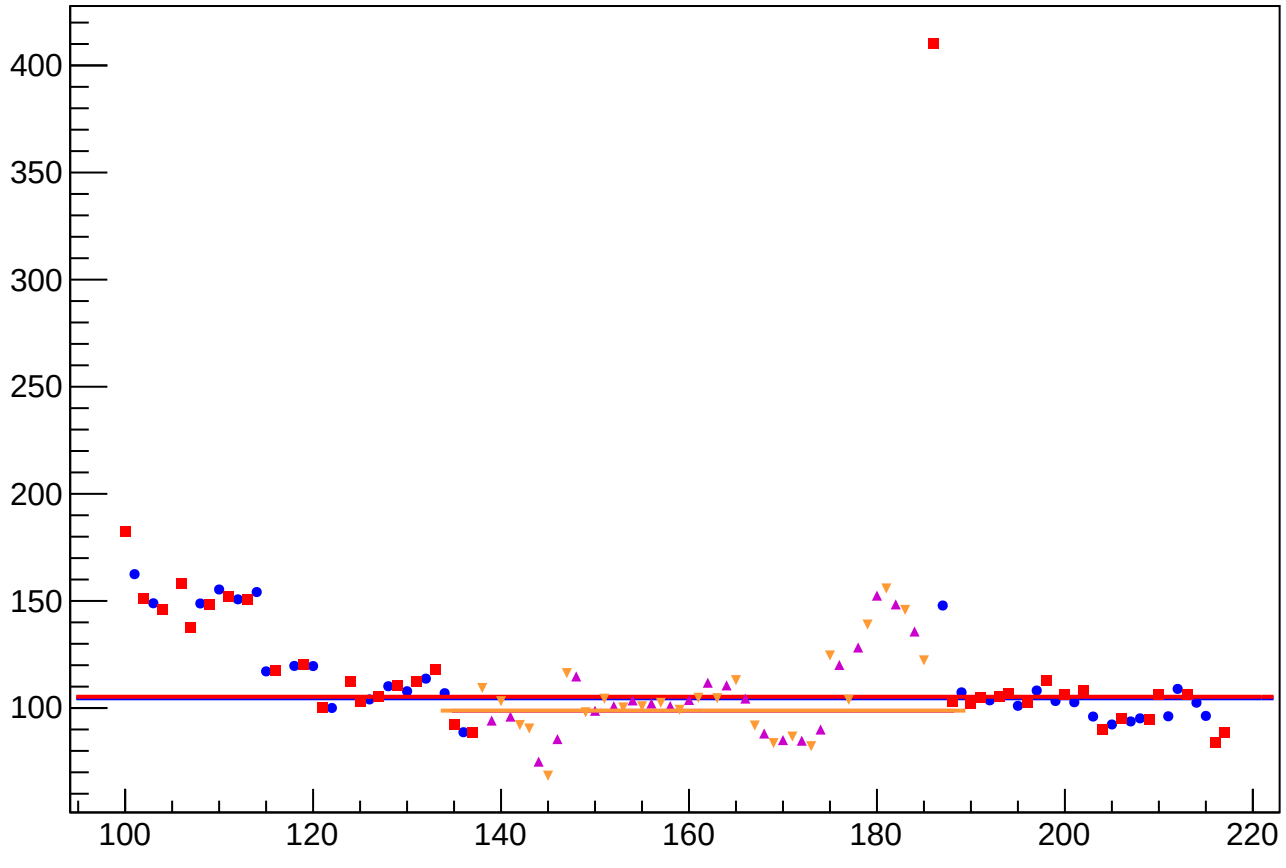
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 26.331+/-16.869 χ^2/NDF: 69.1/66

In: 17.663+/-16.856 χ^2/NDF:56.0/53

Out: -8.587+/-16.443 χ^2/NDF:74.9/60

All: 4.213+/-11.770 χ^2/NDF: 132.1/114



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: 105.271+/-0.017 χ^2/NDF: 1355858.3/35

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

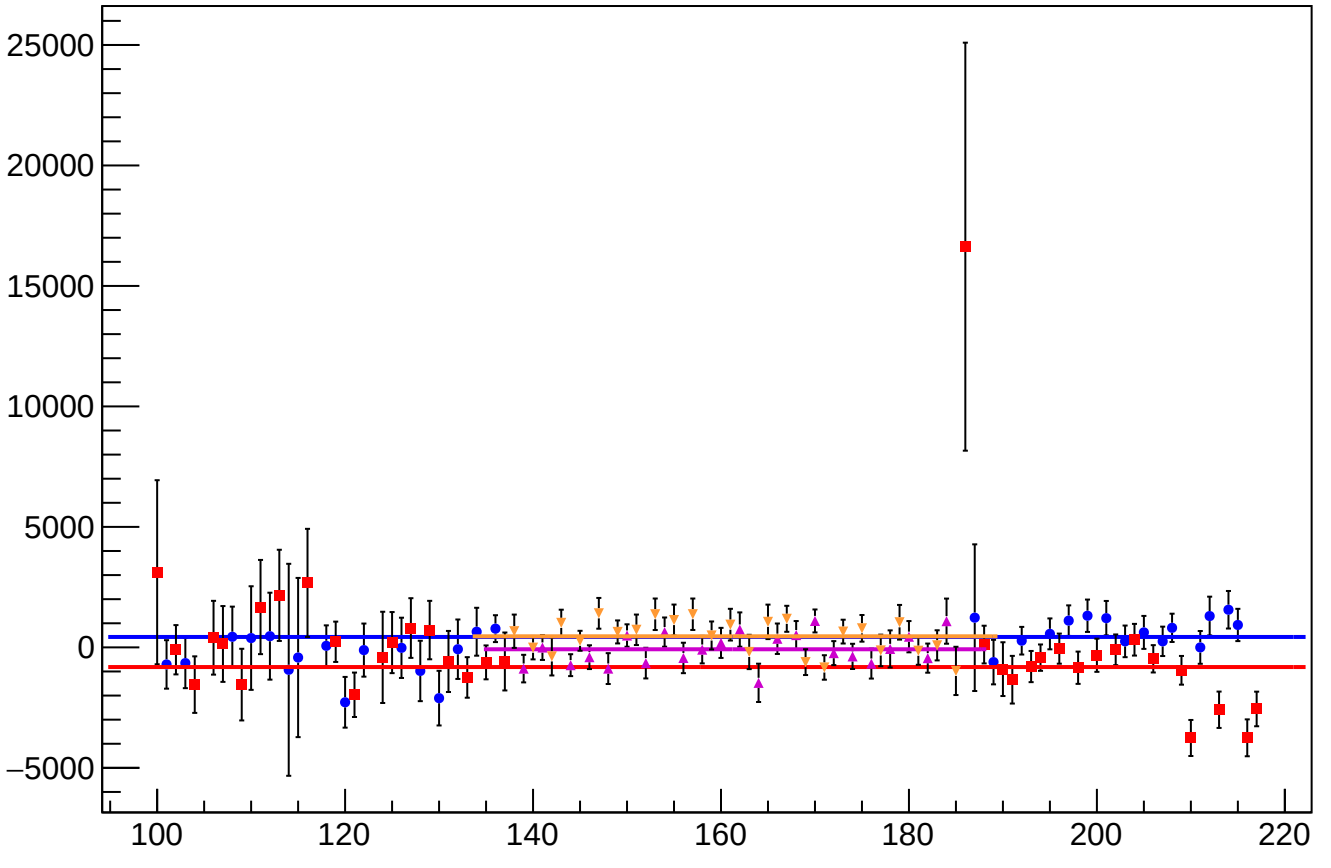
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 104.920+/-0.012 χ^2/NDF: 2147363.3/66

In: 101.546+/-0.012 χ^2/NDF:1839252.4/53

Out: 101.939+/-0.012 χ^2/NDF:2619073.5/60

All: 101.748+/-0.008 χ^2/NDF: 4458881.5/114



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: -816.403+/-145.298 χ^2/NDF: 72.0/35

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

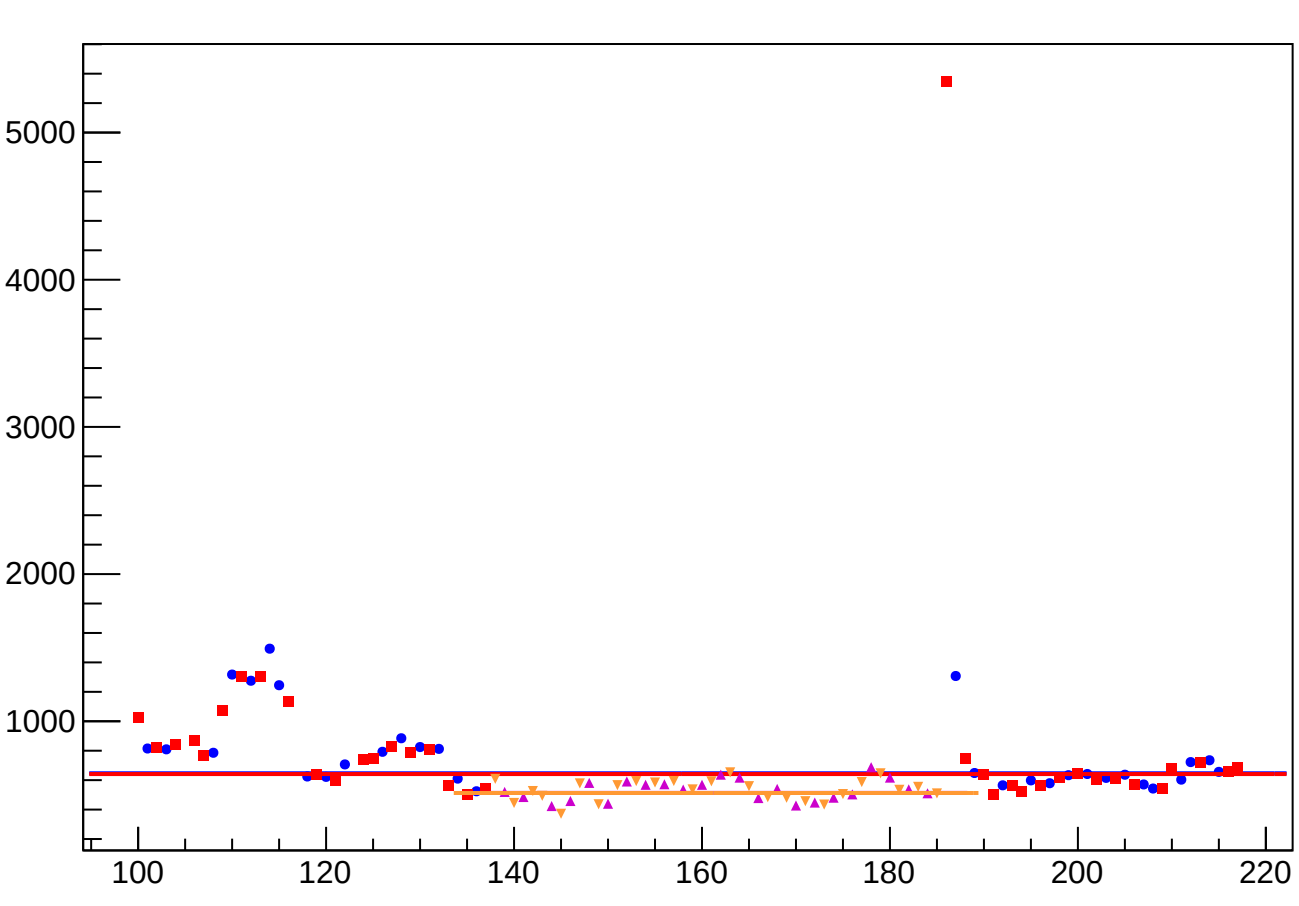
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -212.871+/-104.435 χ^2/NDF: 134.7/66

In: 123.163+/-94.436 χ^2/NDF:60.2/53

Out: -48.396+/-91.650 χ^2/NDF:149.1/60

All: 34.816+/-65.769 χ^2/NDF: 211.1/114



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: 641.283+/-0.103 χ^2/NDF: 2166848.0/35

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

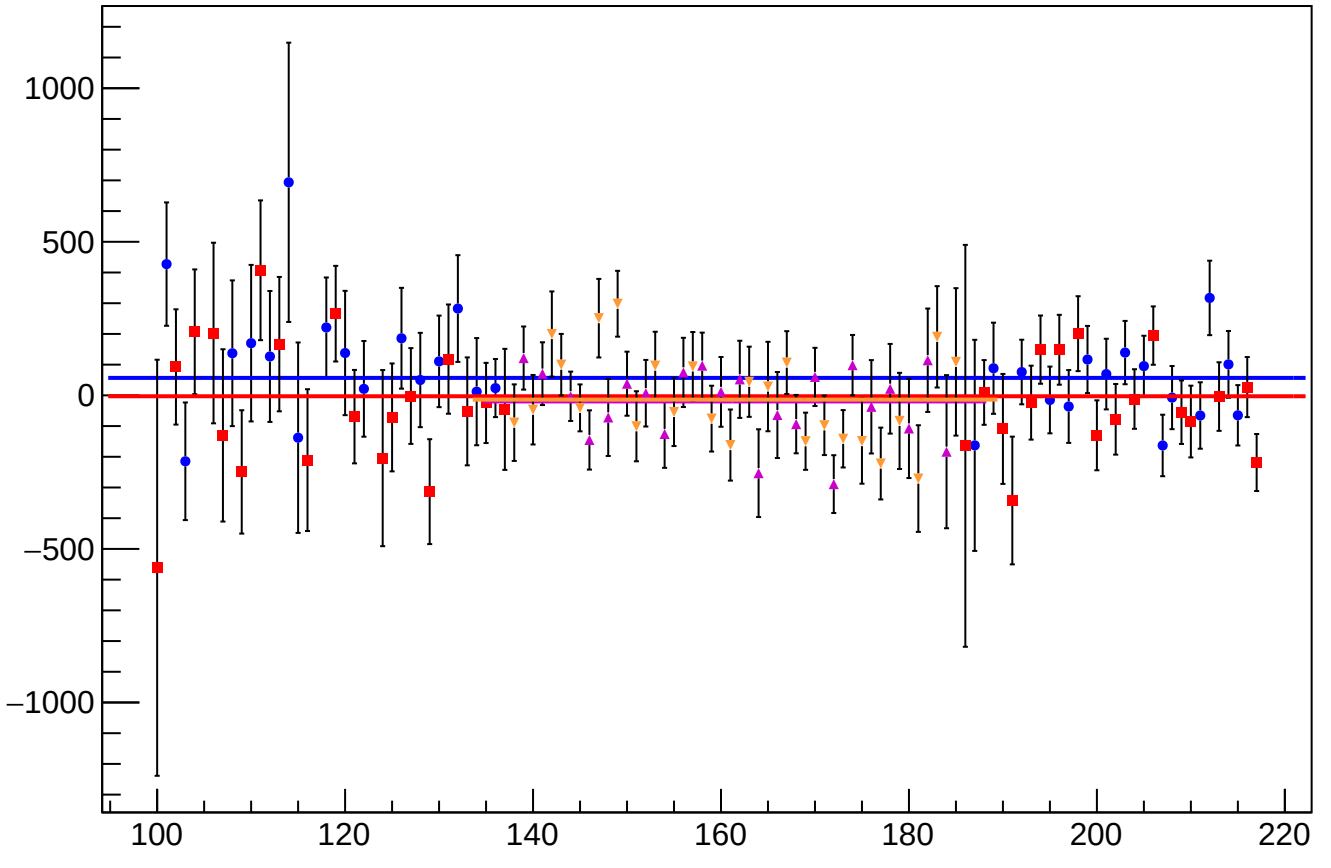
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 643.837+/-0.074 χ^2/NDF: 3487507.3/66

In: 566.019+/-0.067 χ^2/NDF:2904342.7/53

Out: 563.901+/-0.065 χ^2/NDF:3908197.3/60

All: 564.929+/-0.047 χ^2/NDF: 6813057.9/114



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: -2.943+/-23.607 χ^2/NDF: 38.4/35

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

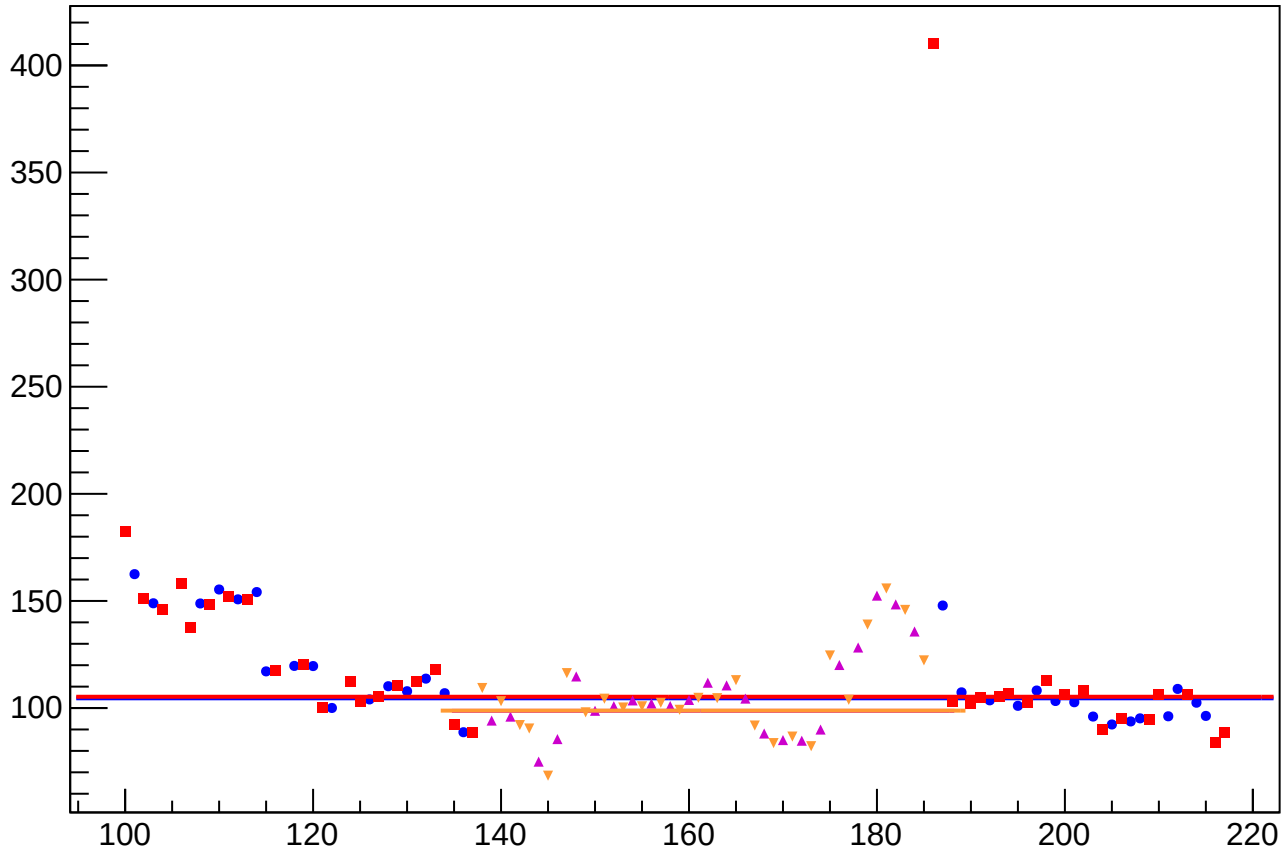
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 26.332+/-16.869 χ^2/NDF: 69.1/66

In: 17.663+/-16.856 χ^2/NDF:56.0/53

Out: -8.587+/-16.443 χ^2/NDF:74.9/60

All: 4.212+/-11.770 χ^2/NDF: 132.1/114



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: 105.271+/-0.017 χ^2/NDF: 1355850.2/35

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

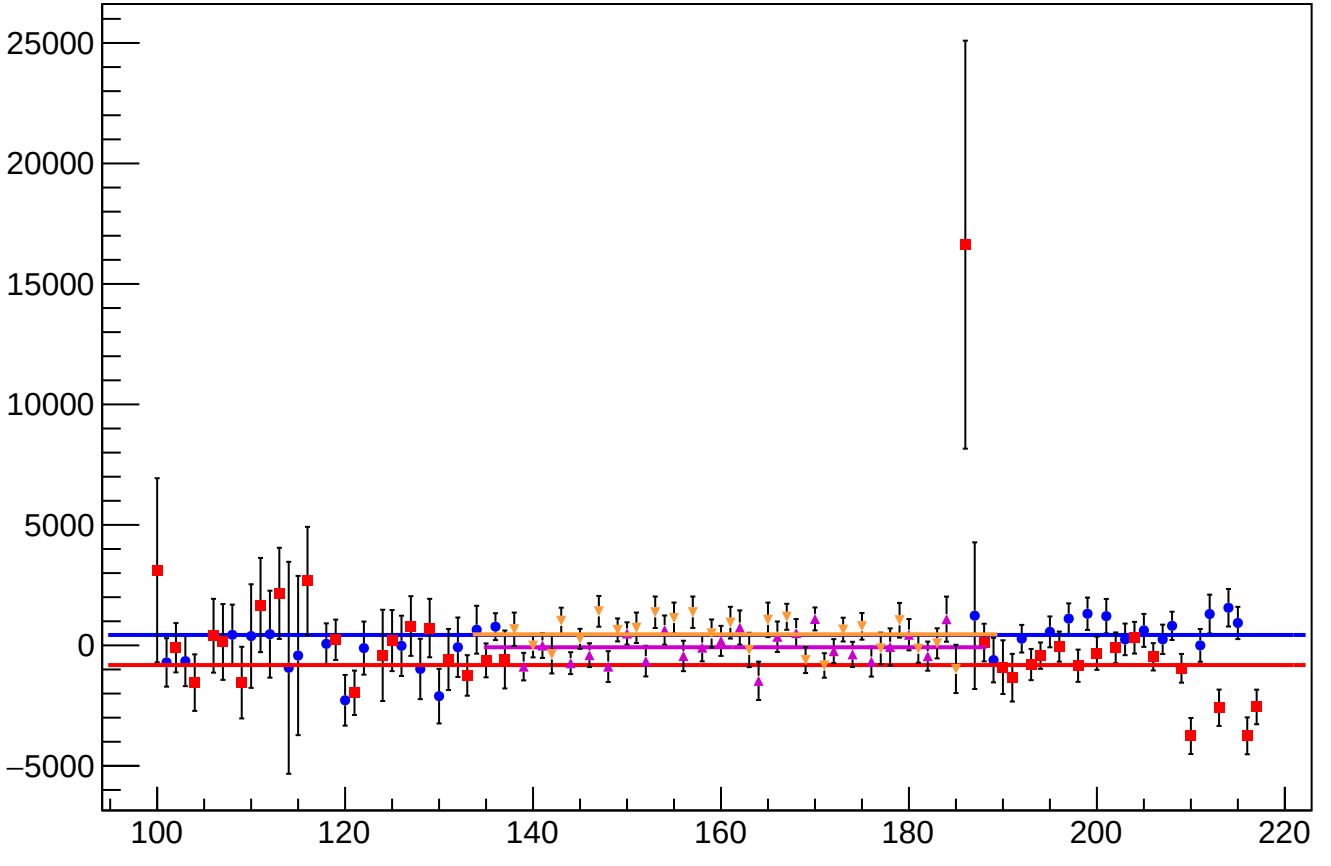
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 104.920+/-0.012 χ^2/NDF: 2147346.6/66

In: 101.546+/-0.012 χ^2/NDF:1839236.5/53

Out: 101.939+/-0.012 χ^2/NDF:2619071.6/60

All: 101.748+/-0.008 χ^2/NDF: 4458863.6/114



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: -816.401+/-145.298 χ^2/NDF: 72.0/35

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

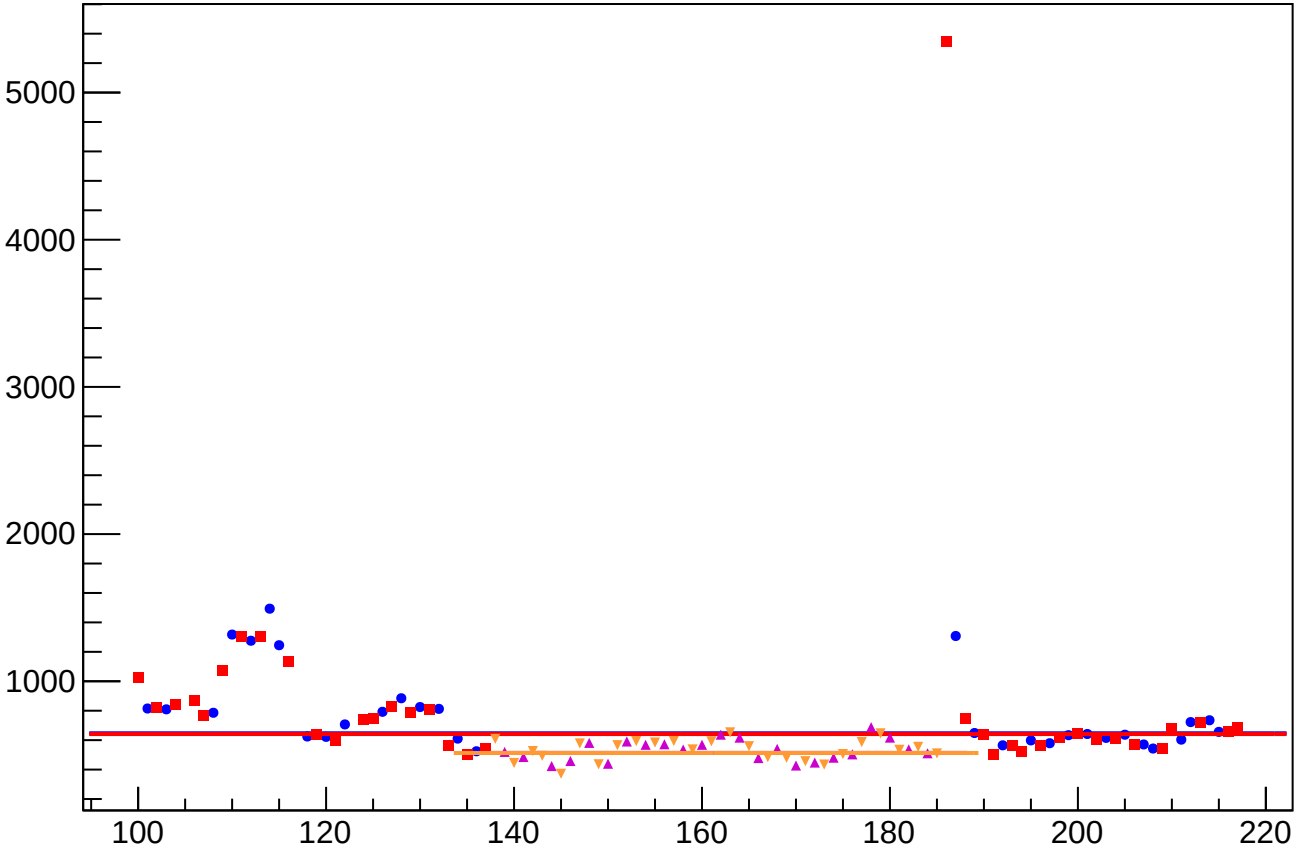
Right: -212.870+/-104.435 χ^2/NDF: 134.7/66

In: 123.163+/-94.436 χ^2/NDF:60.2/53

Out: -48.397+/-91.650 χ^2/NDF:149.1/60

All: 34.816+/-65.769 χ^2/NDF: 211.1/114

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: 641.282+/-0.103 χ^2/NDF: 2166844.9/35

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

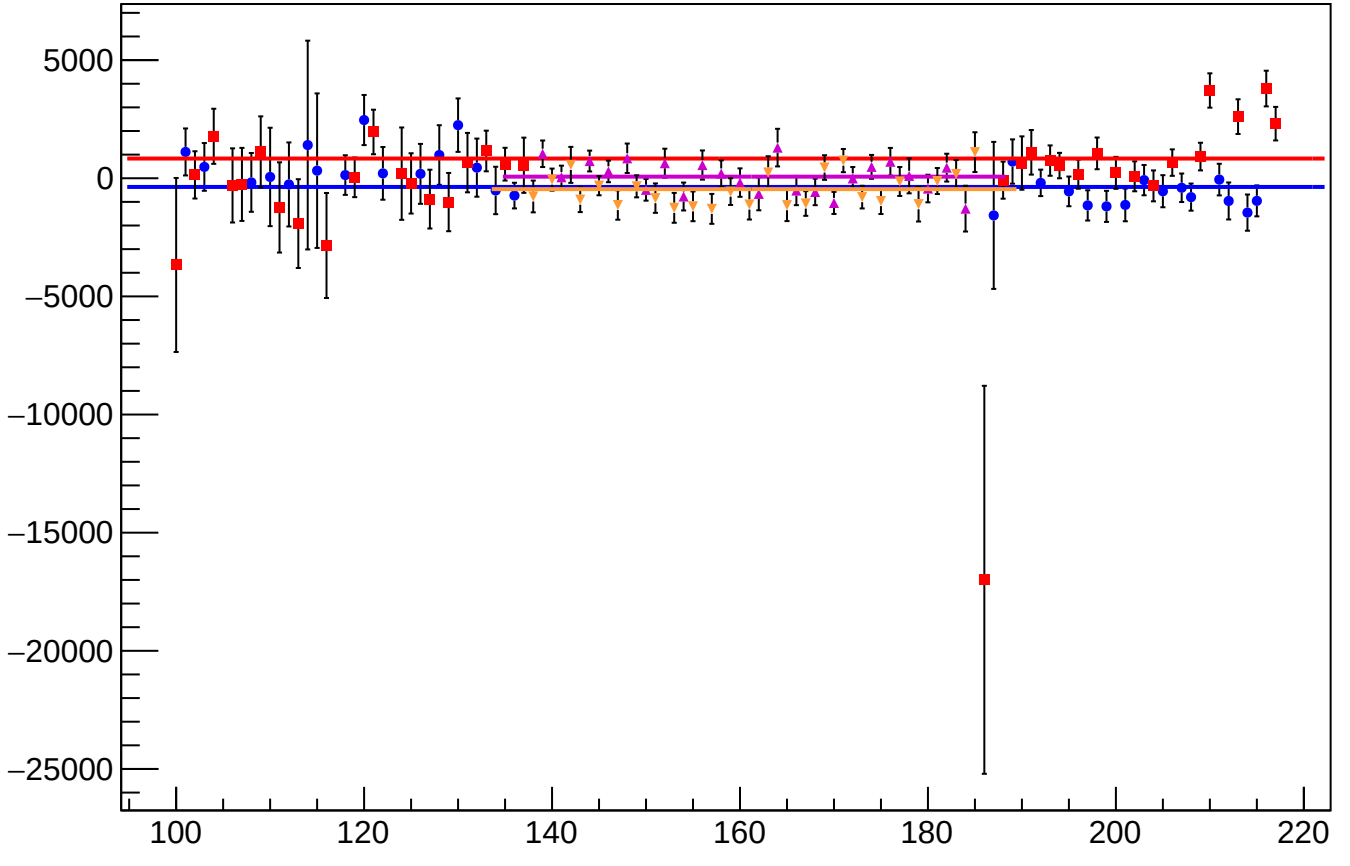
Right: 643.836+/-0.074 χ^2/NDF: 3487500.9/66

In: 566.019+/-0.067 χ^2/NDF:2904328.7/53

Out: 563.901+/-0.065 χ^2/NDF:3908184.2/60

All: 564.928+/-0.047 χ^2/NDF: 6813030.9/114

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: 834.115+/-143.976 χ^2/NDF: 71.8/35

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

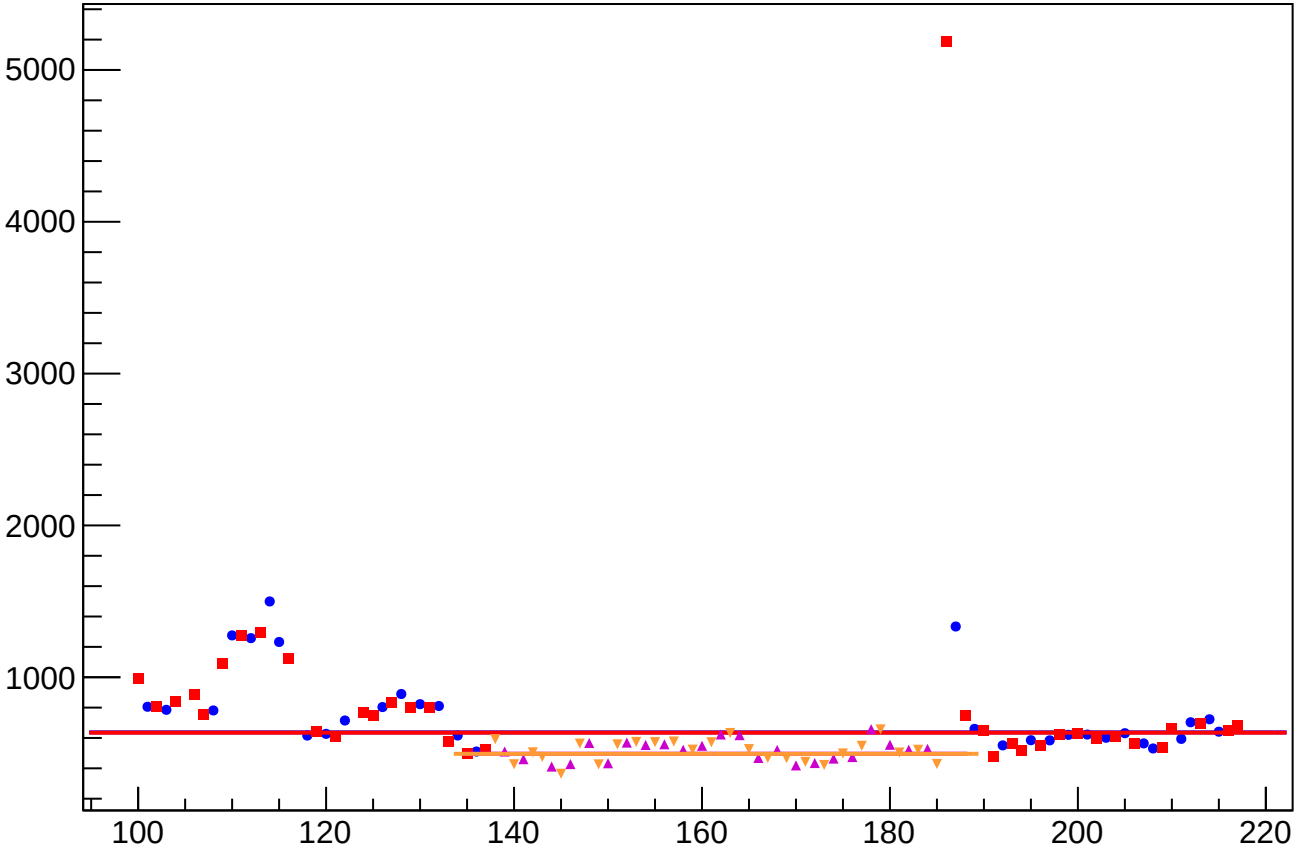
Right: 250.117+/-103.225 χ^2/NDF: 134.6/66

In: -100.049+/-91.978 χ^2/NDF:62.8/53

Out: 40.024+/-89.487 χ^2/NDF:152.2/60

All: -28.090+/-64.140 χ^2/NDF: 216.3/114

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: 634.922+/-0.102 χ^2/NDF: 2210712.9/35

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

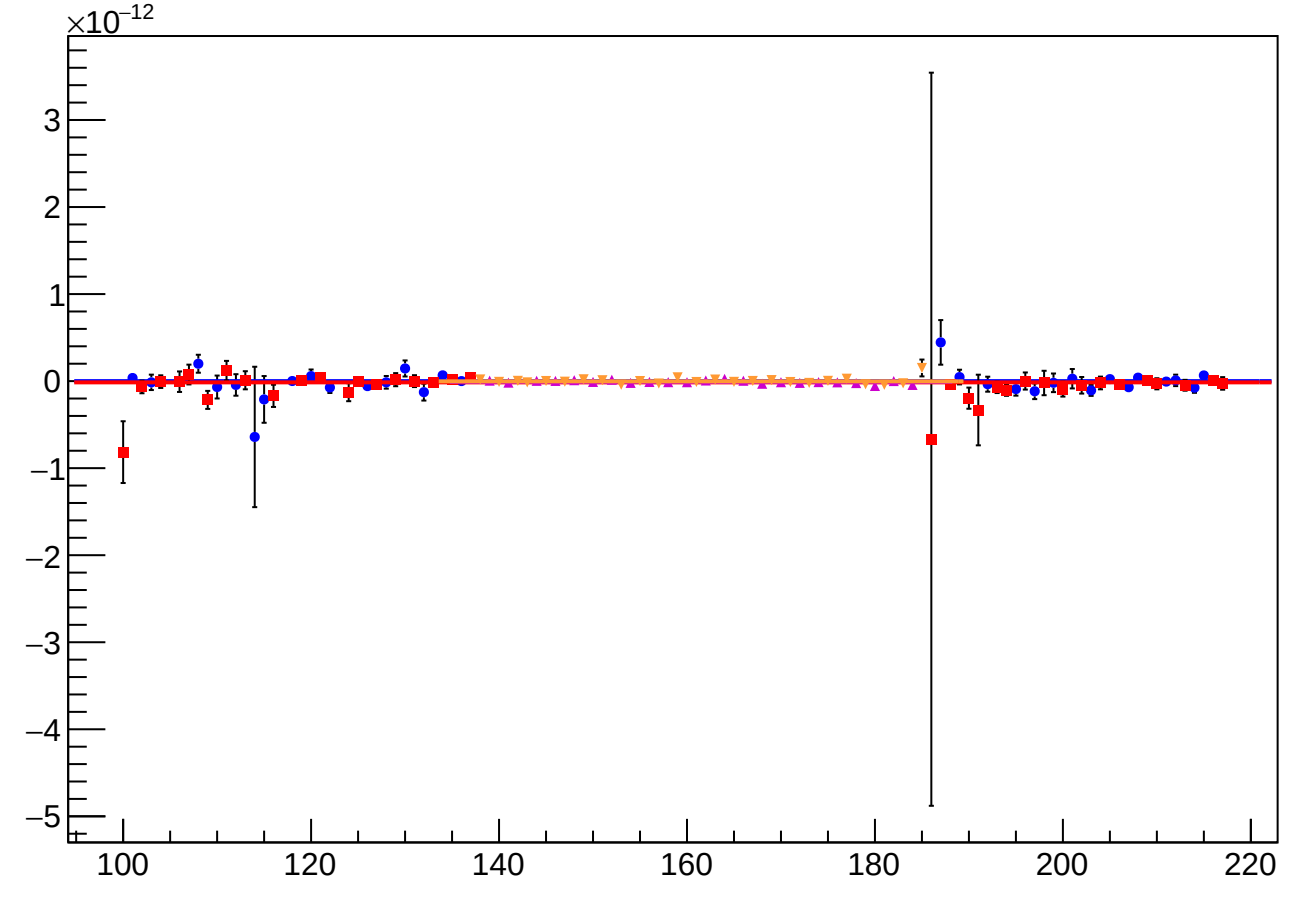
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 635.866+/-0.073 χ^2/NDF: 3570600.5/66

In: 550.539+/-0.065 χ^2/NDF:3088820.3/53

Out: 549.370+/-0.063 χ^2/NDF:4166094.7/60

All: 549.939+/-0.045 χ^2/NDF: 7255081.0/114



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: 26.8/35

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

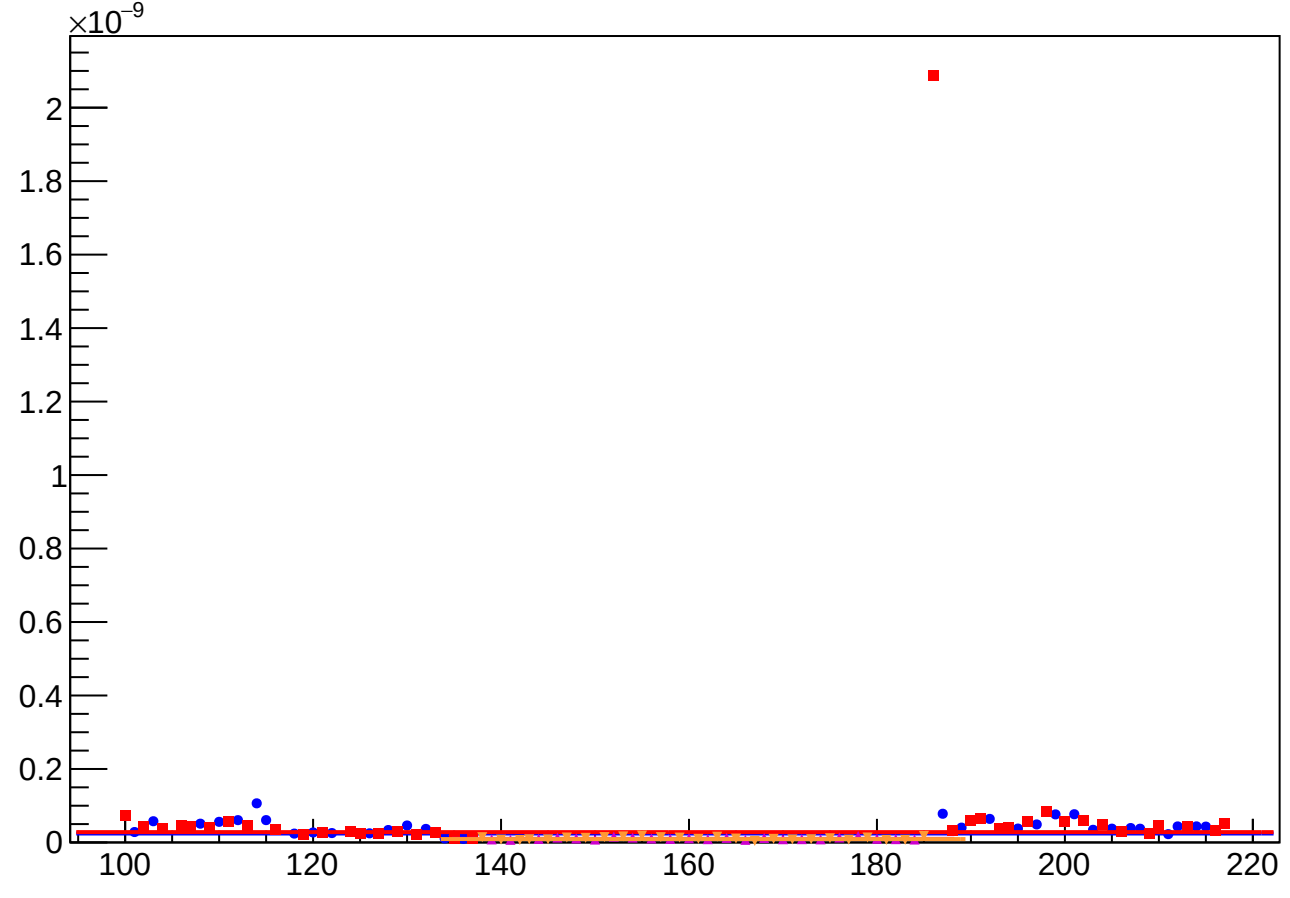
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 60.6/66

In: -0.000+/-0.000 χ^2/NDF:48.9/53

Out: -0.000+/-0.000 χ^2/NDF:53.1/60

All: -0.000+/-0.000 χ^2/NDF: 102.4/114



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: 4640110.2/35

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

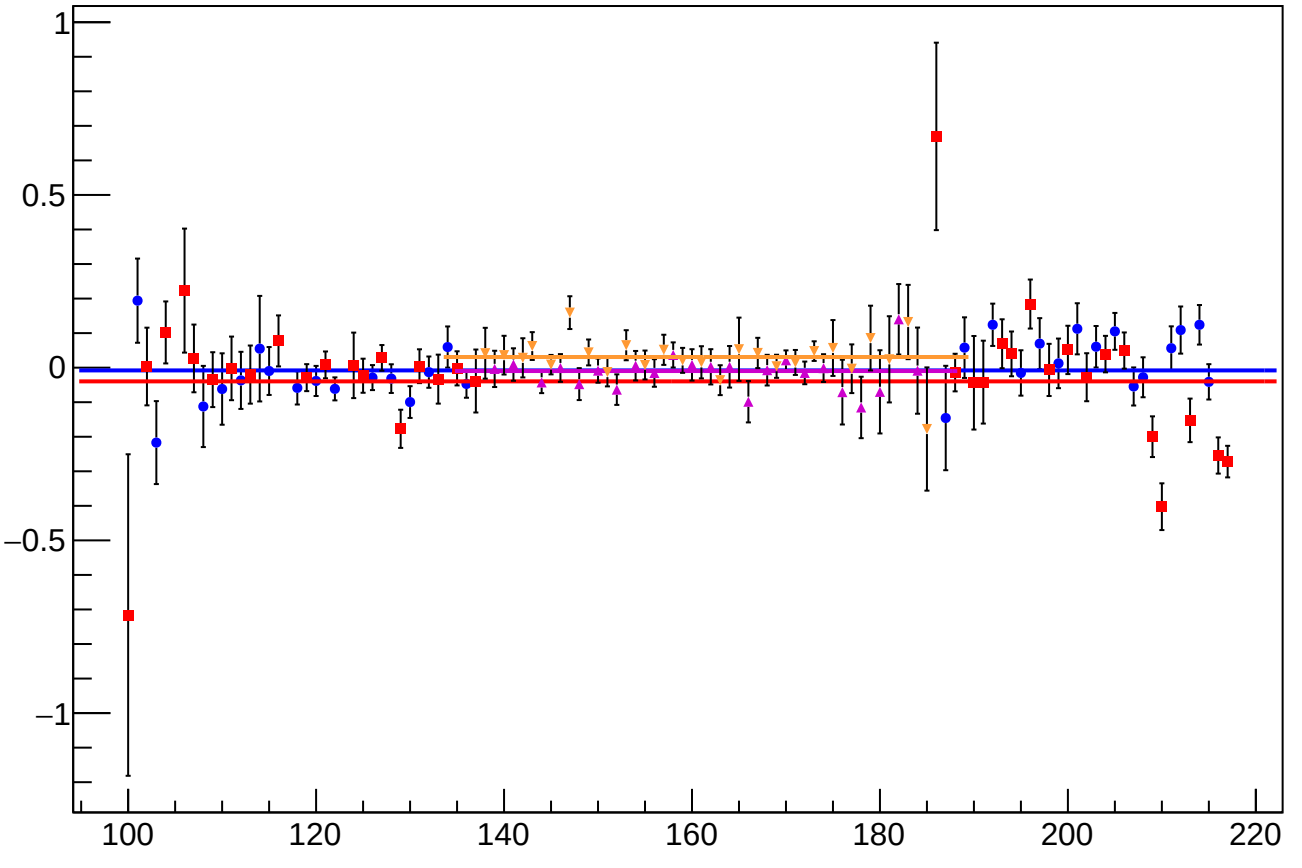
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10658352.0/66

In: 0.000+/-0.000 χ^2/NDF:10548661.9/53

Out: 0.000+/-0.000 χ^2/NDF:12490876.4/60

All: 0.000+/-0.000 χ^2/NDF: 23062470.2/114



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: -0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

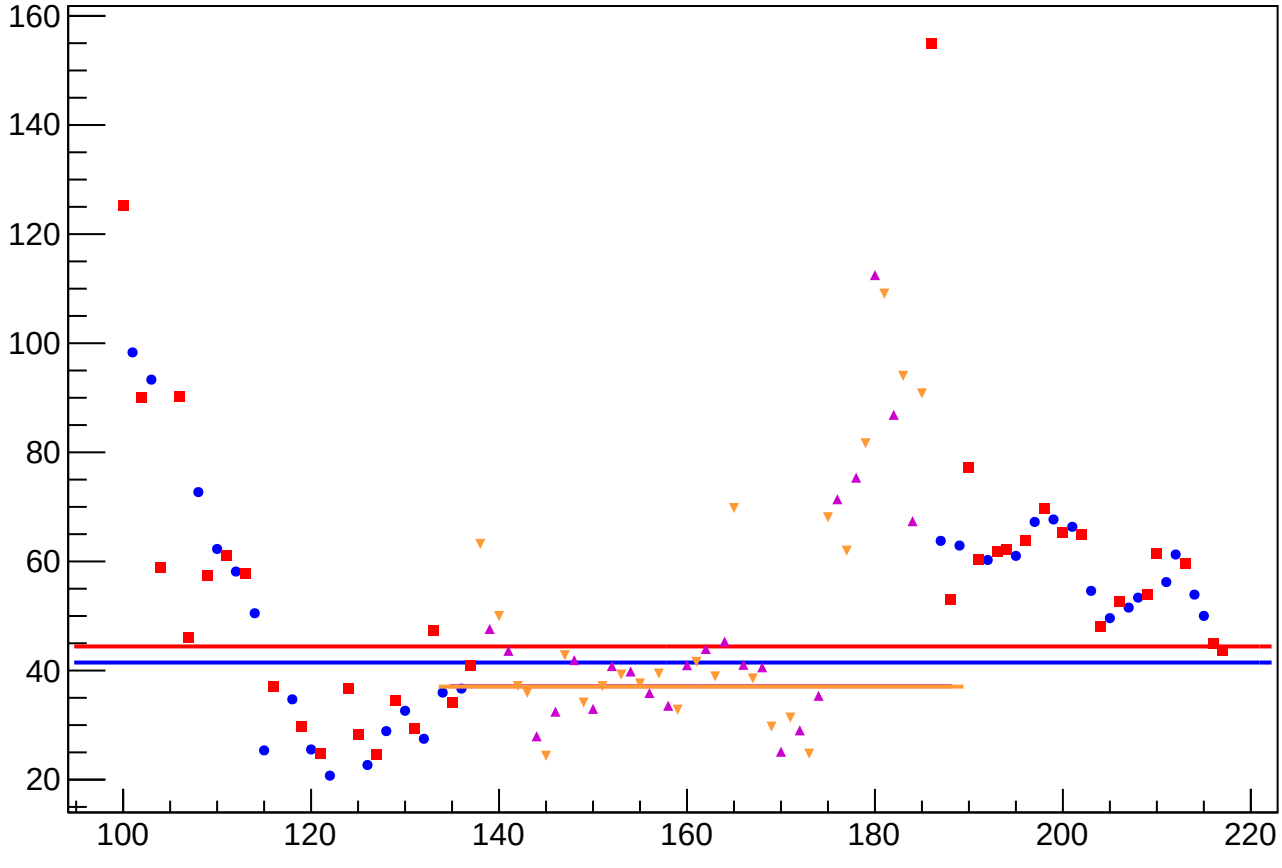
Right: -0.023+/-0.007 χ^2/NDF: 181.9/66

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.001+/-0.007 χ^2/NDF:176.2/60

All: -0.004+/-0.005 χ^2/NDF: 234.9/114

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: 44.418+/-0.007 χ^2/NDF: 4587205.1/35

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

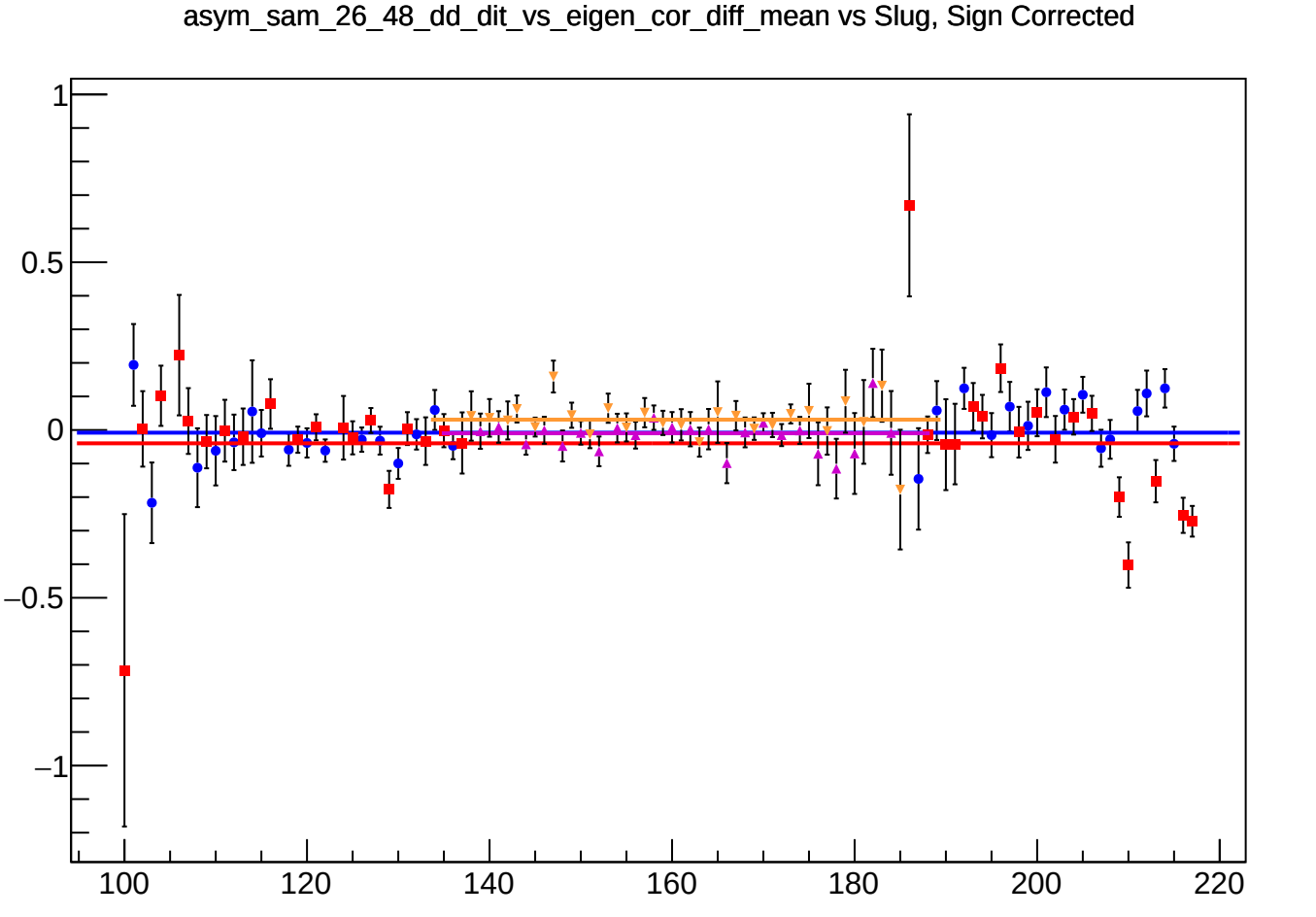
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 42.910+/-0.005 χ^2/NDF: 9995842.3/66

In: 39.092+/-0.005 χ^2/NDF:8535380.5/53

Out: 40.212+/-0.005 χ^2/NDF:9198414.3/60

All: 39.655+/-0.003 χ^2/NDF: 17759995.3/114



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: -0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

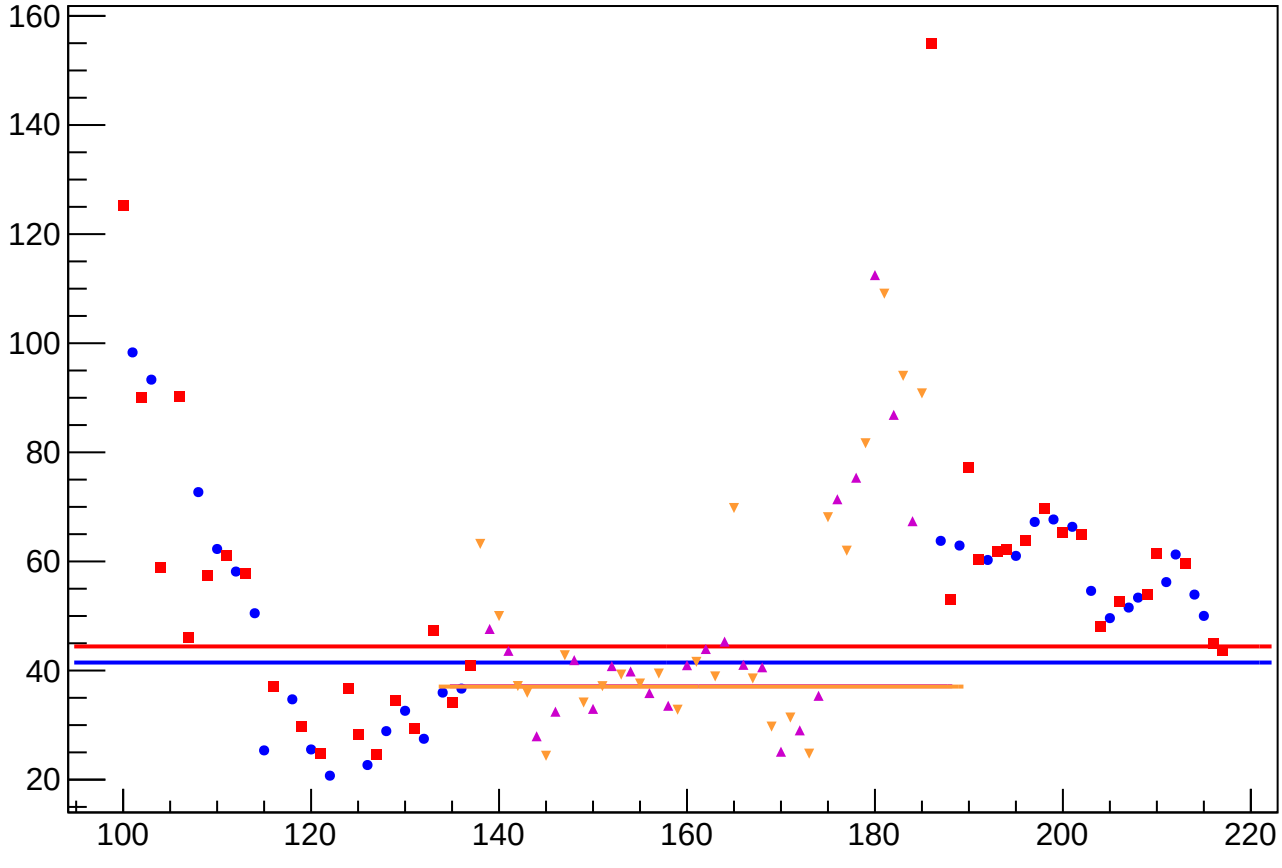
Right: -0.023+/-0.007 χ^2/NDF: 181.9/66

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.001+/-0.007 χ^2/NDF:176.2/60

All: -0.004+/-0.005 χ^2/NDF: 234.9/114

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: 44.418+/-0.007 χ^2/NDF: 4587205.1/35

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

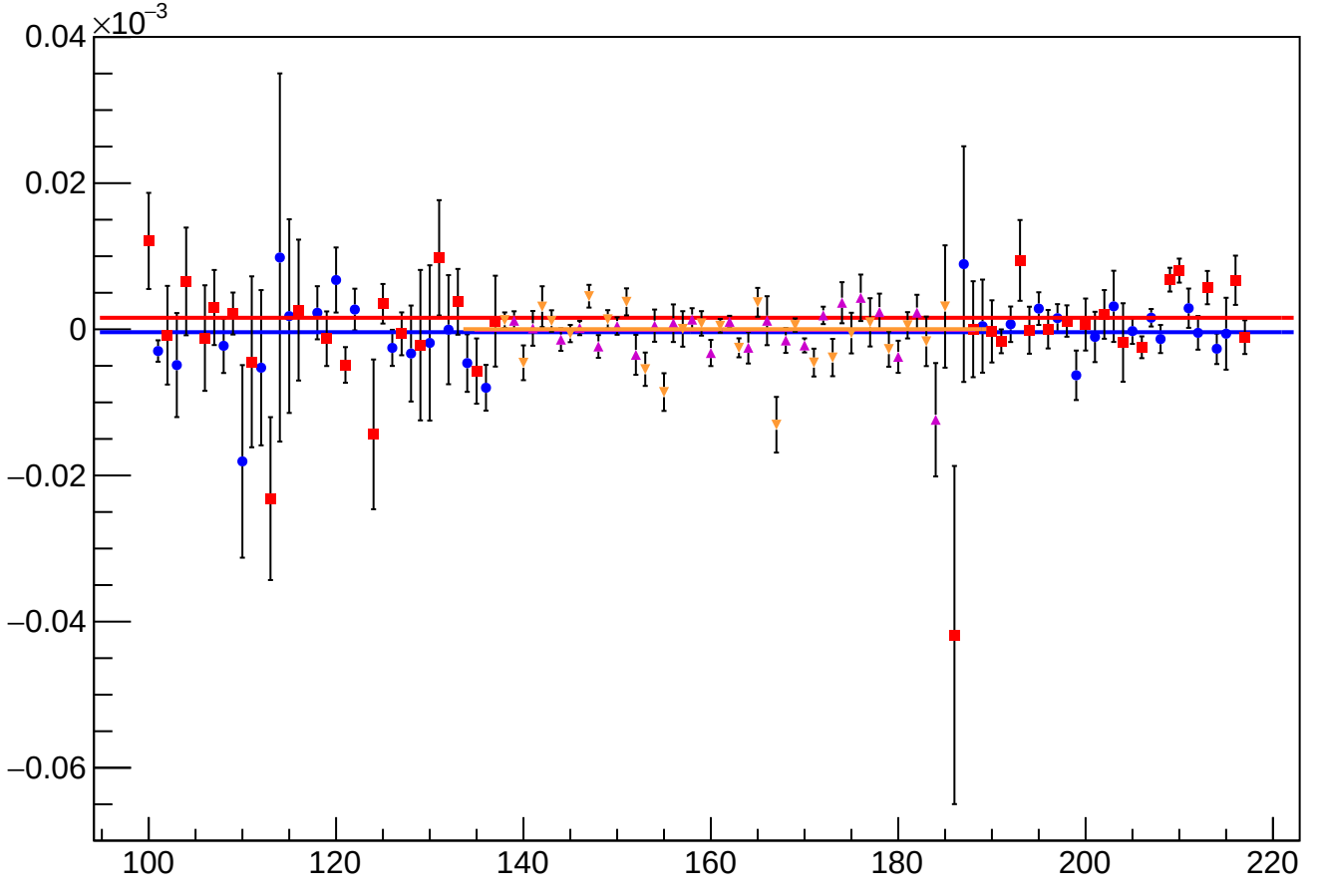
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 42.910+/-0.005 χ^2/NDF: 9995842.3/66

In: 39.092+/-0.005 χ^2/NDF:8535380.5/53

Out: 40.212+/-0.005 χ^2/NDF:9198414.3/60

All: 39.655+/-0.003 χ^2/NDF: 17759995.3/114



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: 74.7/35

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

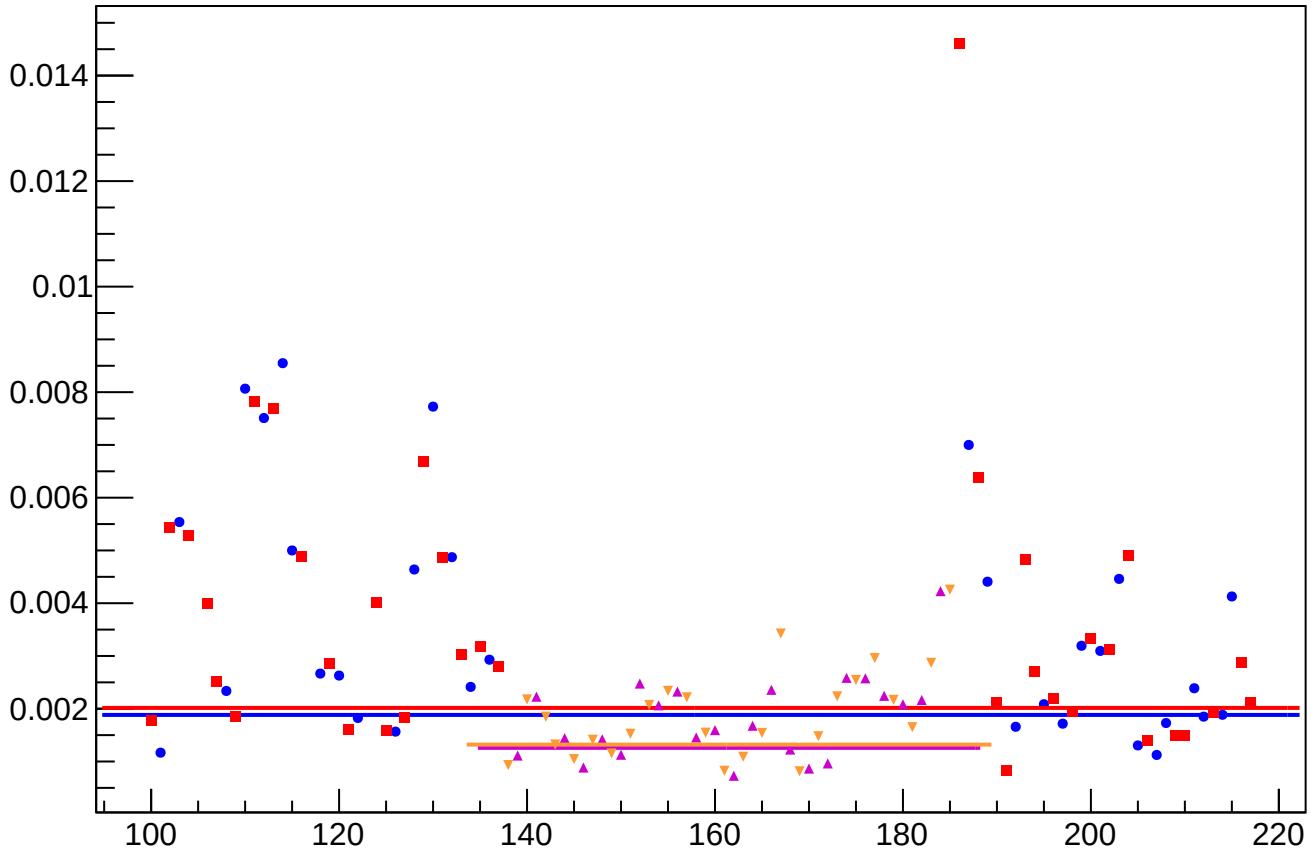
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: 0.000+/-0.000 χ^2/NDF: 113.3/66

In: -0.000+/-0.000 χ^2/NDF:63.6/53

Out: 0.000+/-0.000 χ^2/NDF:148.7/60

All: 0.000+/-0.000 χ^2/NDF: 215.1/114



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: 8644101.6/35

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

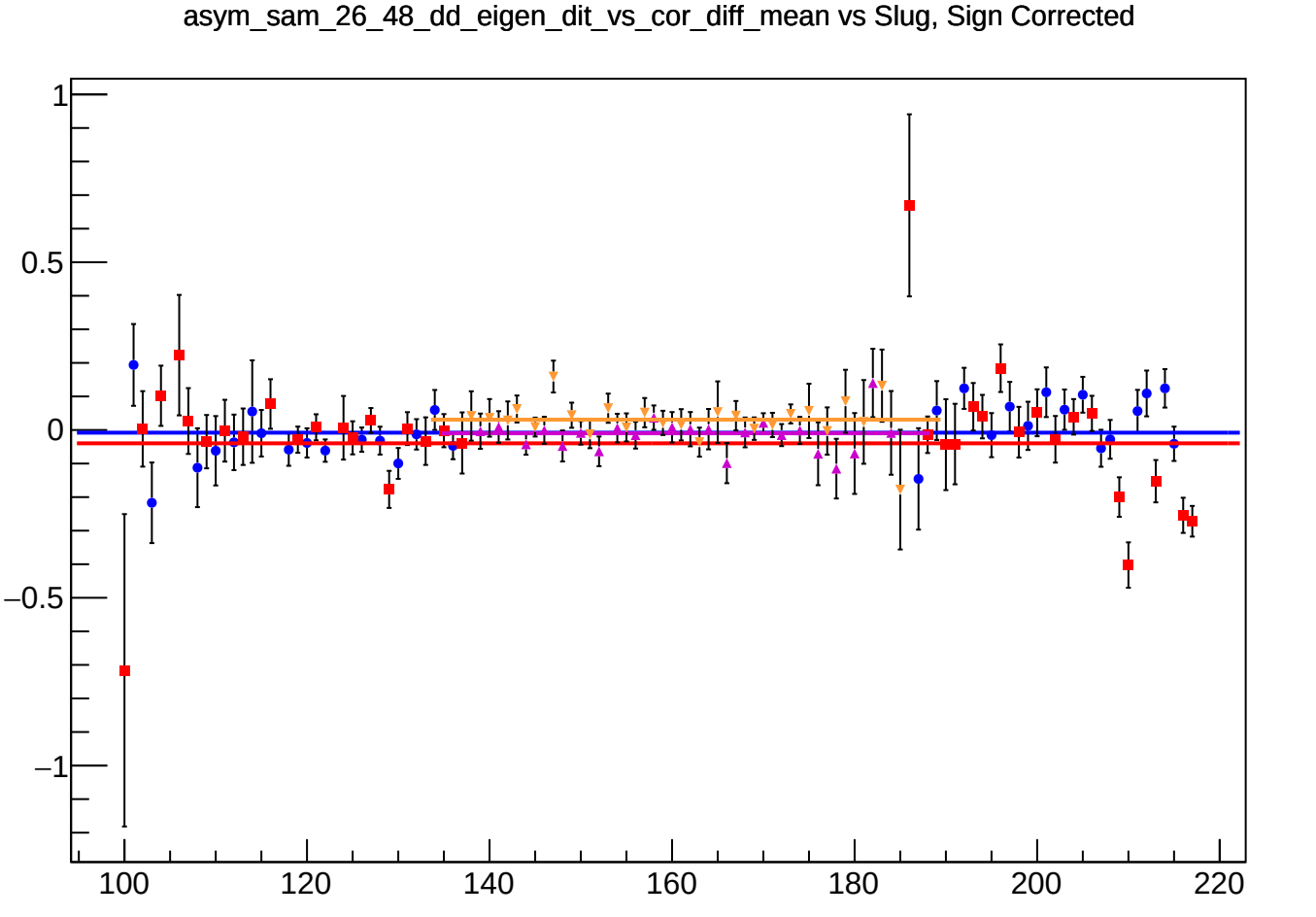
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 15908330.6/66

In: 0.001+/-0.000 χ^2/NDF:14735763.3/53

Out: 0.002+/-0.000 χ^2/NDF:16842253.1/60

All: 0.001+/-0.000 χ^2/NDF: 31655088.9/114



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: -0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

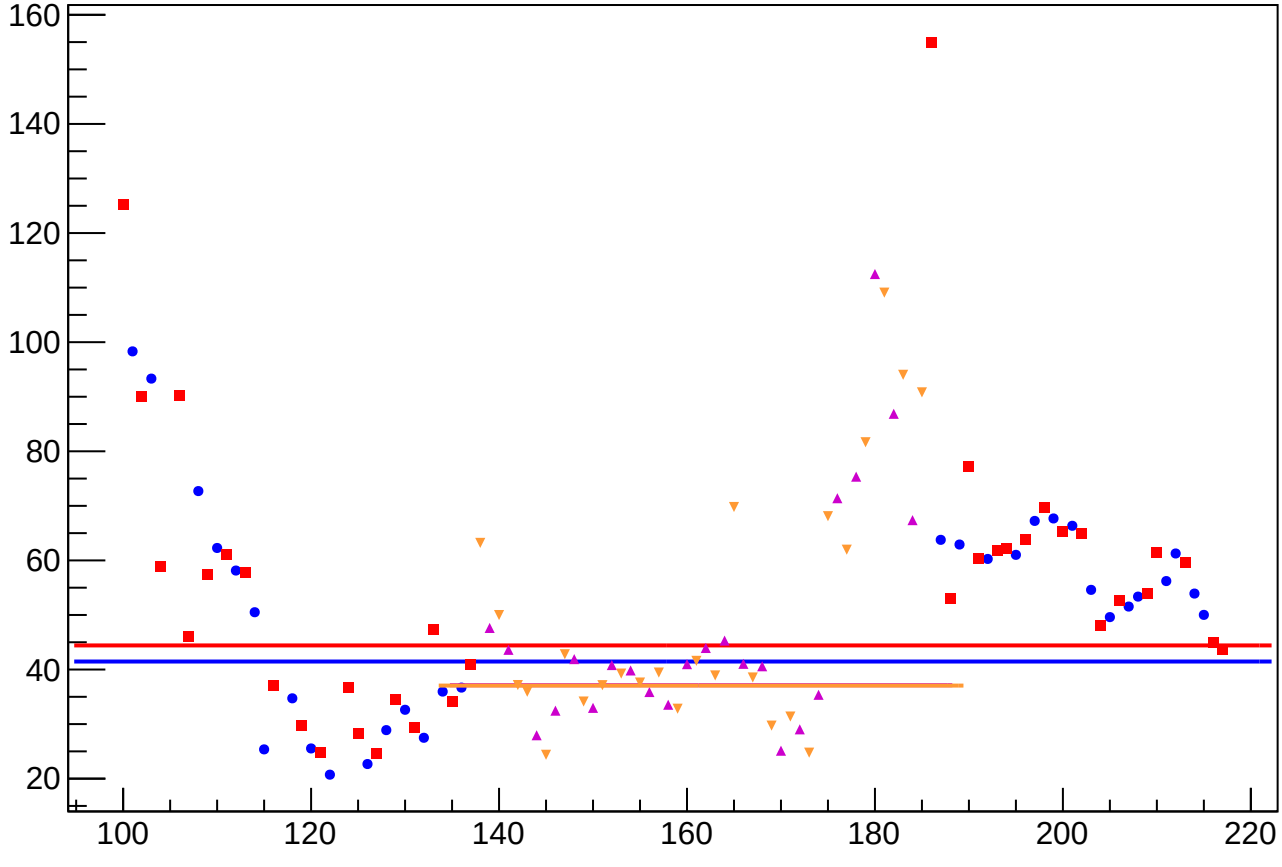
Right: -0.023+/-0.007 χ^2/NDF: 181.9/66

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.001+/-0.007 χ^2/NDF:176.2/60

All: -0.004+/-0.005 χ^2/NDF: 234.9/114

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: 44.418+/-0.007 χ^2/NDF: 4586986.4/35

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

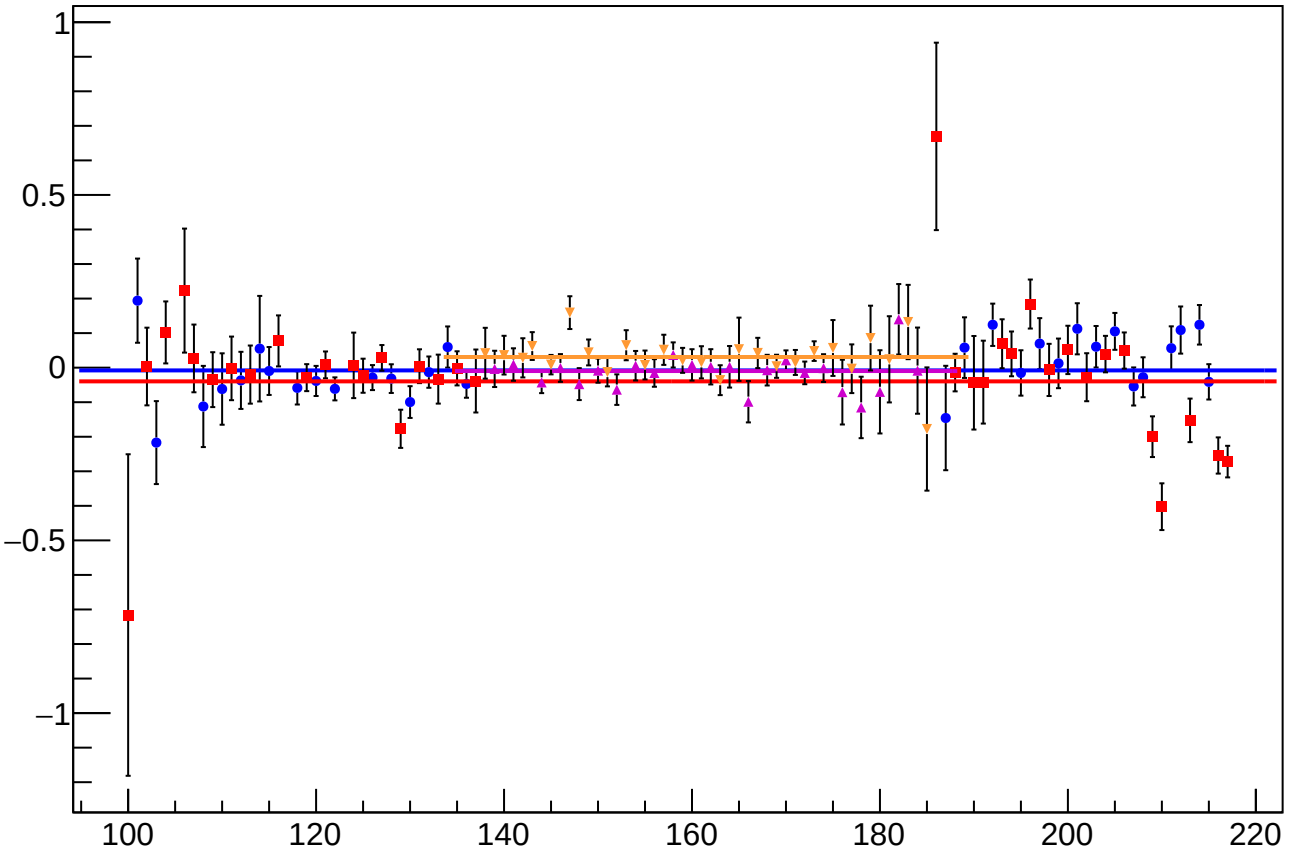
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 42.910+/-0.005 χ^2/NDF: 9995492.1/66

In: 39.092+/-0.005 χ^2/NDF:8535250.2/53

Out: 40.212+/-0.005 χ^2/NDF:9198259.2/60

All: 39.655+/-0.003 χ^2/NDF: 17759710.4/114



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: -0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

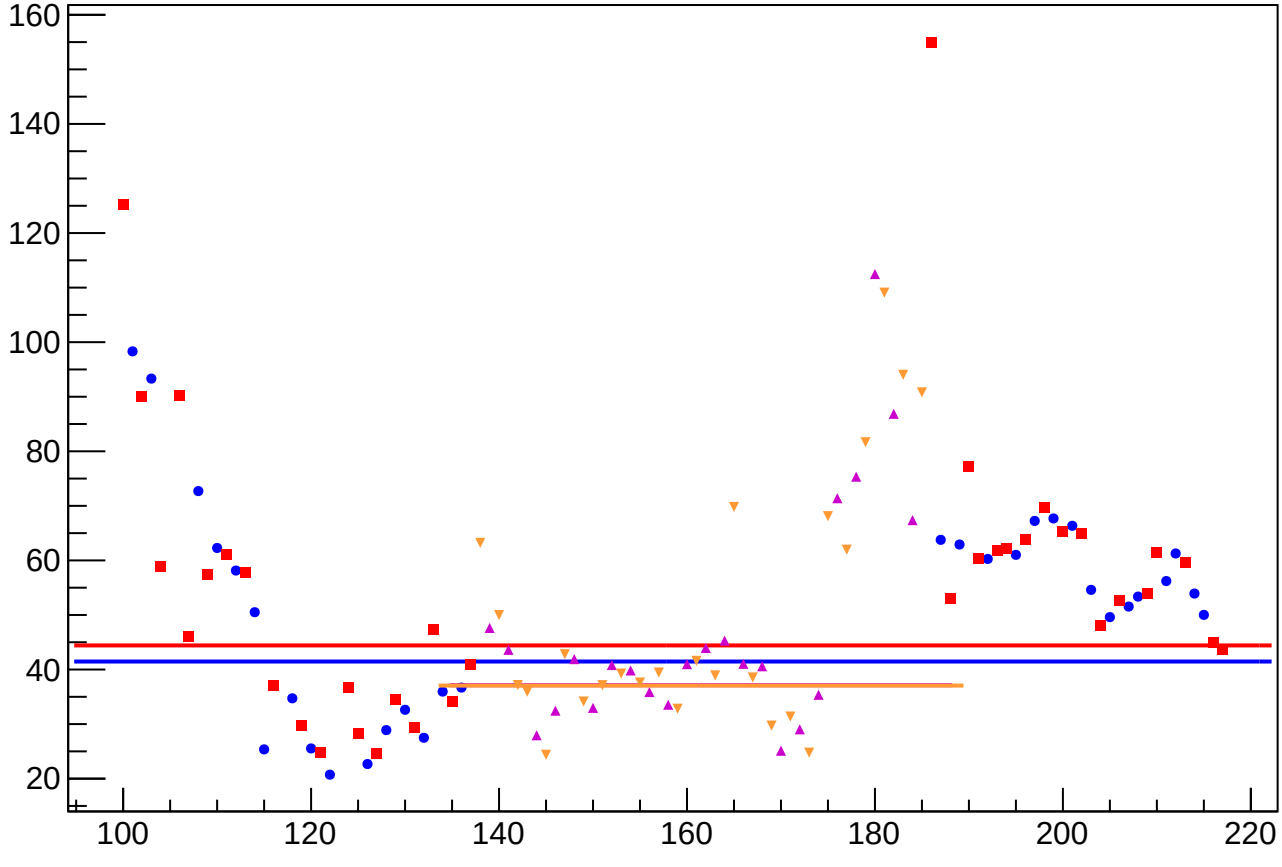
Right: -0.023+/-0.007 χ^2/NDF: 181.9/66

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.001+/-0.007 χ^2/NDF:176.2/60

All: -0.004+/-0.005 χ^2/NDF: 234.9/114

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: 44.418+/-0.007 χ^2/NDF: 4586986.4/35

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

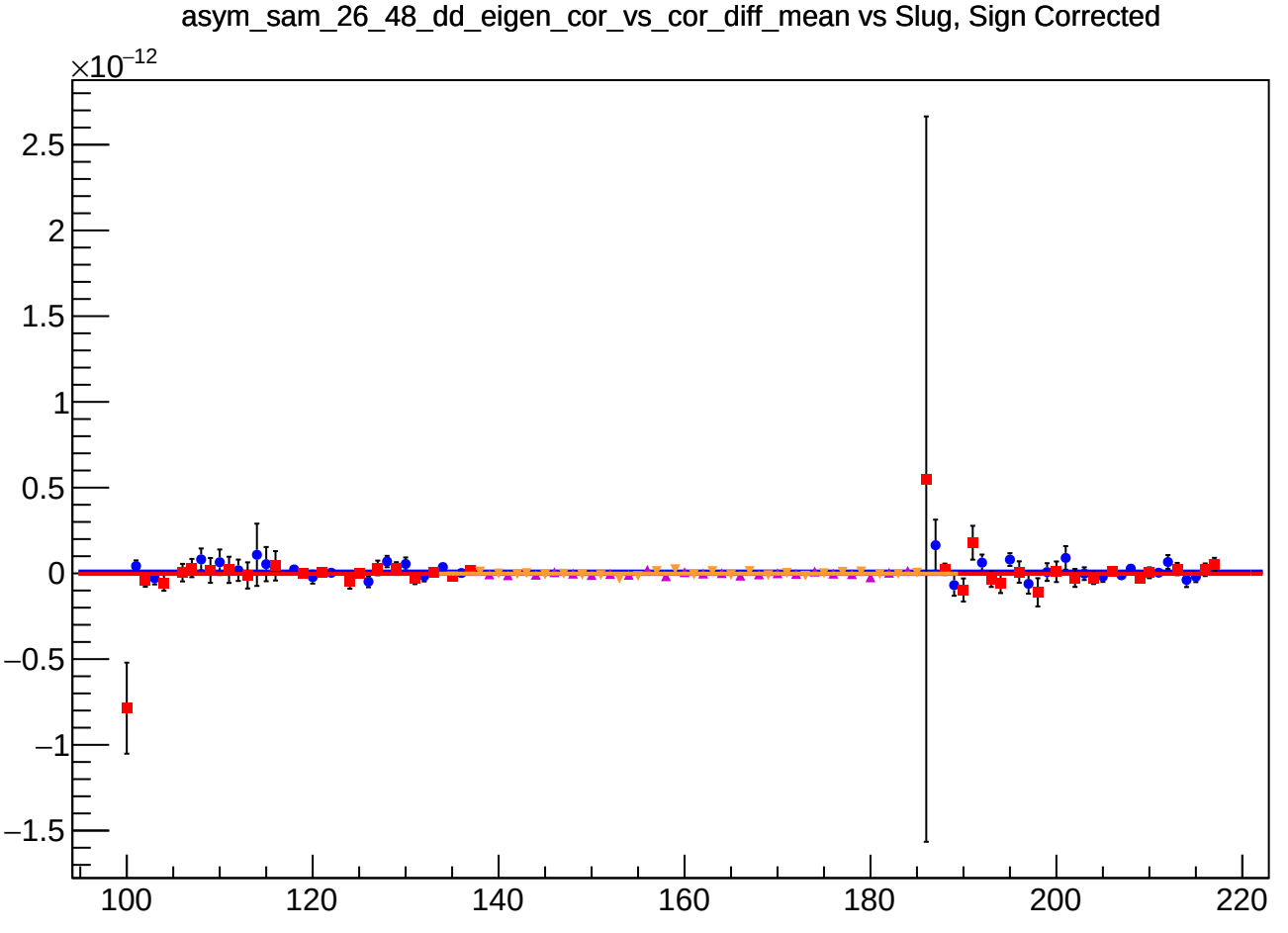
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 42.910+/-0.005 χ^2/NDF: 9995492.1/66

In: 39.092+/-0.005 χ^2/NDF:8535250.2/53

Out: 40.212+/-0.005 χ^2/NDF:9198259.2/60

All: 39.655+/-0.003 χ^2/NDF: 17759710.4/114



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: 32.3/35

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

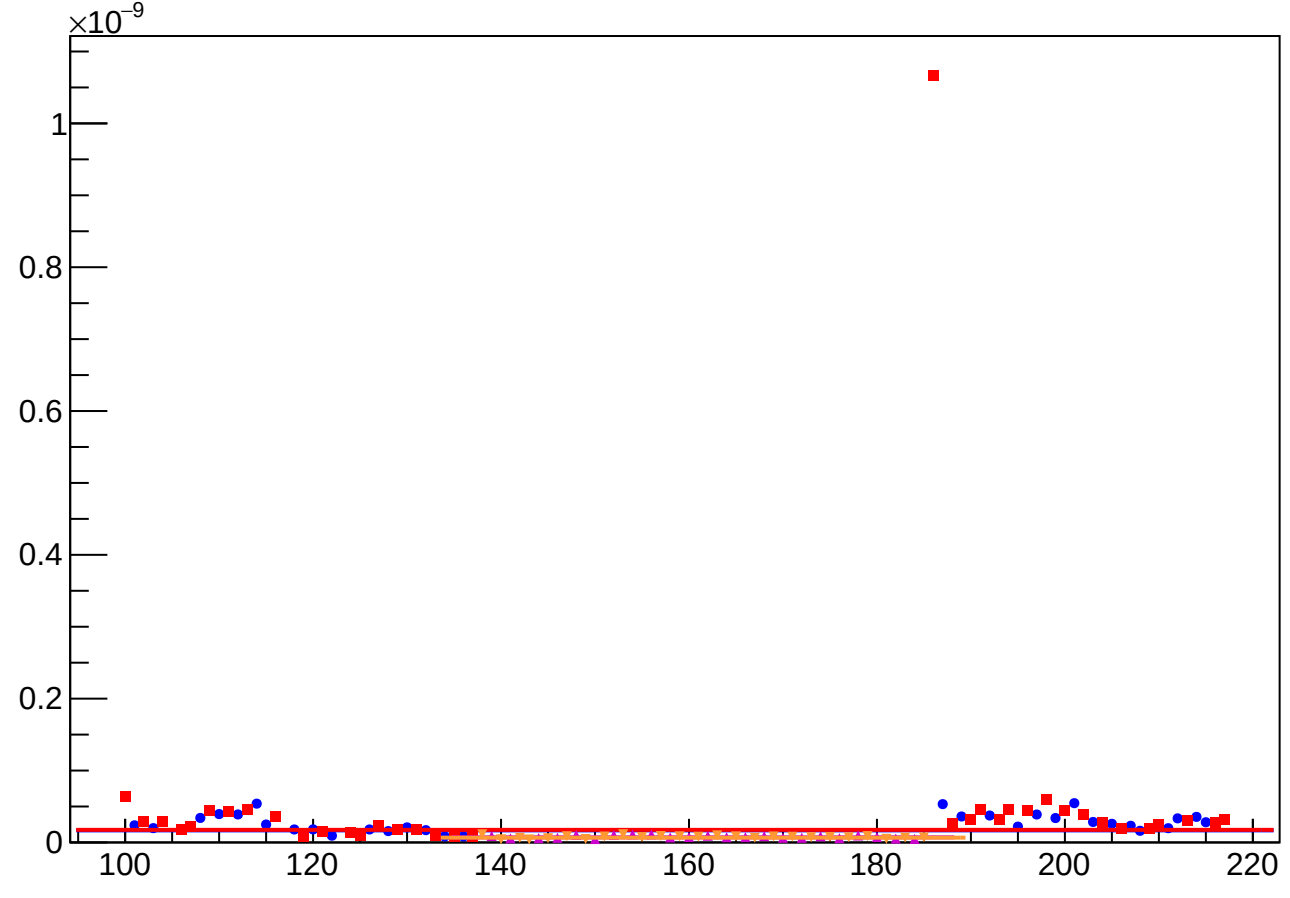
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 69.4/66

In: -0.000+/-0.000 χ^2/NDF:60.2/53

Out: -0.000+/-0.000 χ^2/NDF:58.4/60

All: -0.000+/-0.000 χ^2/NDF: 118.6/114



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: 8116091.3/35

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

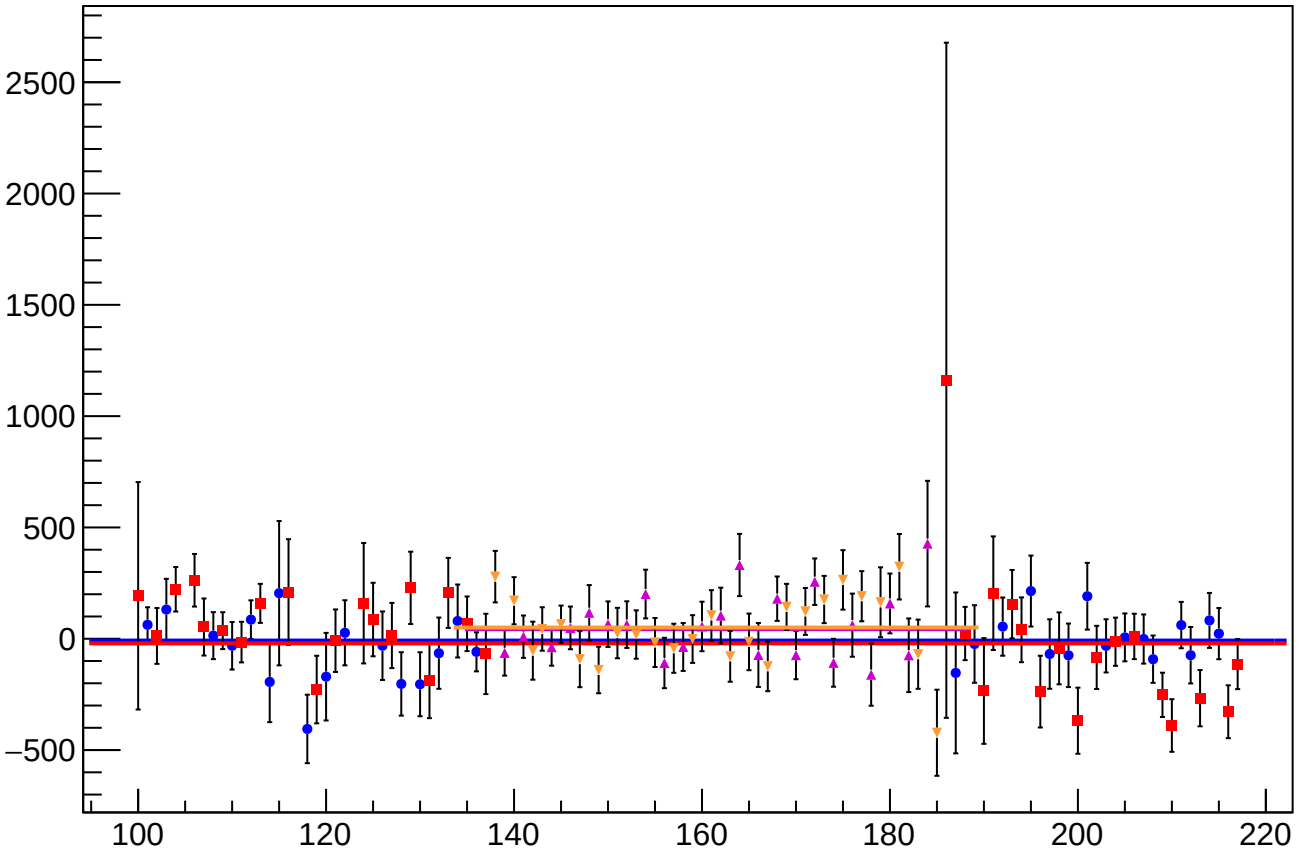
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14523857.4/66

In: 0.000+/-0.000 χ^2/NDF:13612827.6/53

Out: 0.000+/-0.000 χ^2/NDF:17074871.0/60

All: 0.000+/-0.000 χ^2/NDF: 30756213.5/114



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: -20.745+/-22.098 χ^2/NDF: 64.4/35

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

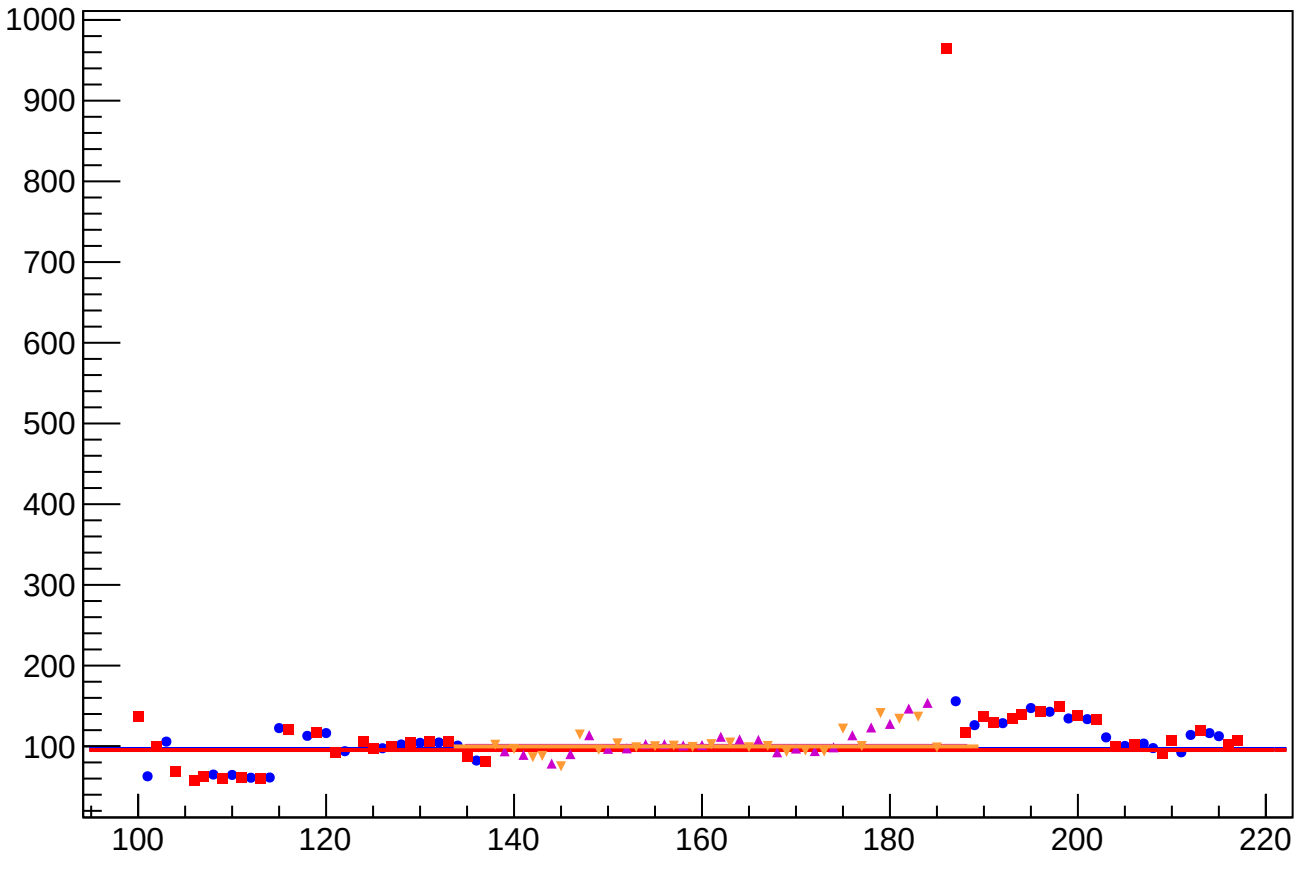
Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

Right: -14.667+/-15.873 χ^2/NDF: 87.6/66

In: 16.380+/-16.456 χ^2/NDF:52.0/53

Out: 13.430+/-15.921 χ^2/NDF:102.9/60

All: 14.856+/-11.442 χ^2/NDF: 154.9/114



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: 95.386+/-0.016 χ^2/NDF: 3568531.2/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

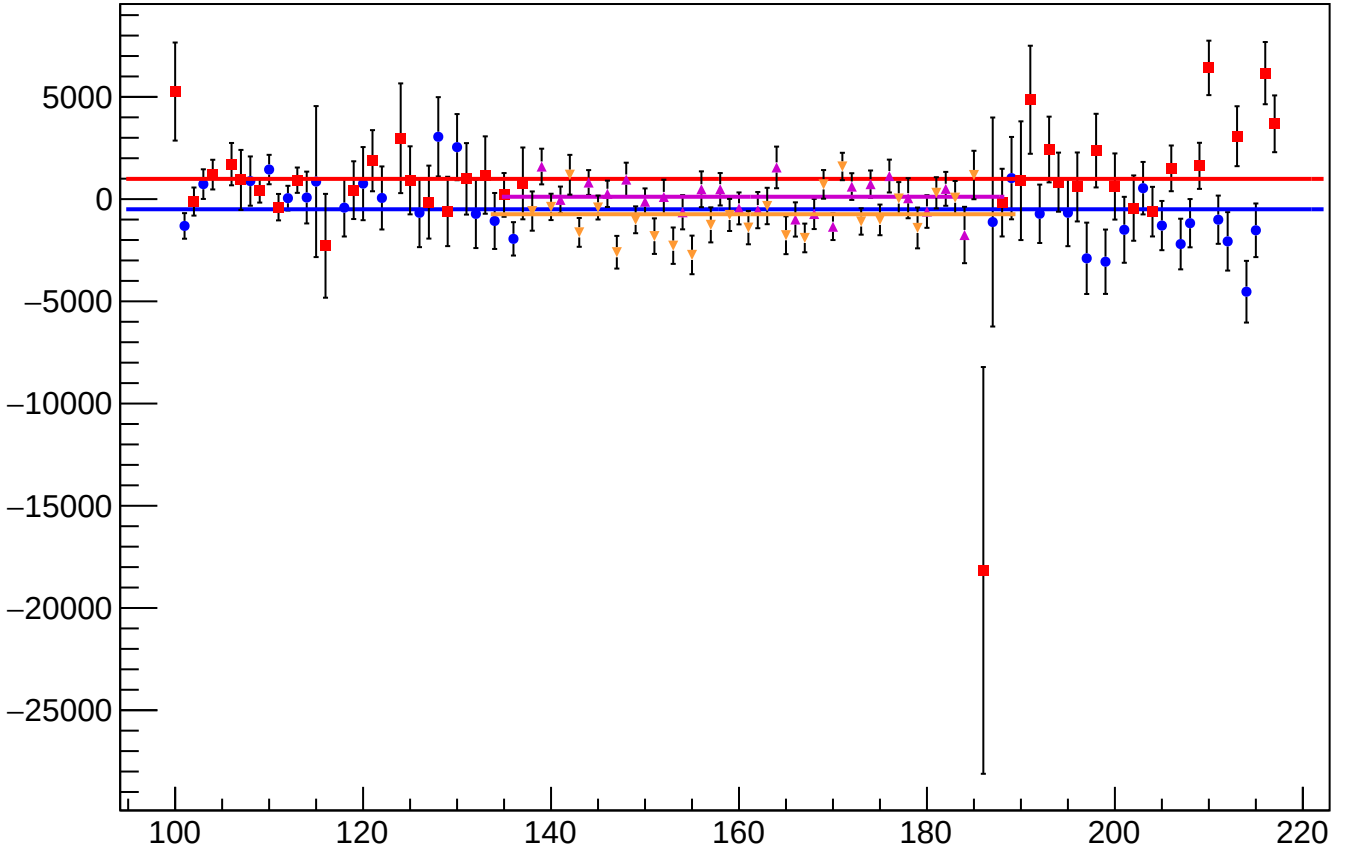
Right: 96.010+/-0.011 χ^2/NDF: 5888537.9/66

In: 98.509+/-0.012 χ^2/NDF:3000501.2/53

Out: 97.528+/-0.011 χ^2/NDF:4305346.5/60

All: 98.002+/-0.008 χ^2/NDF: 7309521.4/114

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



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: 990.184+/-200.957 χ^2/NDF: 61.4/35

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

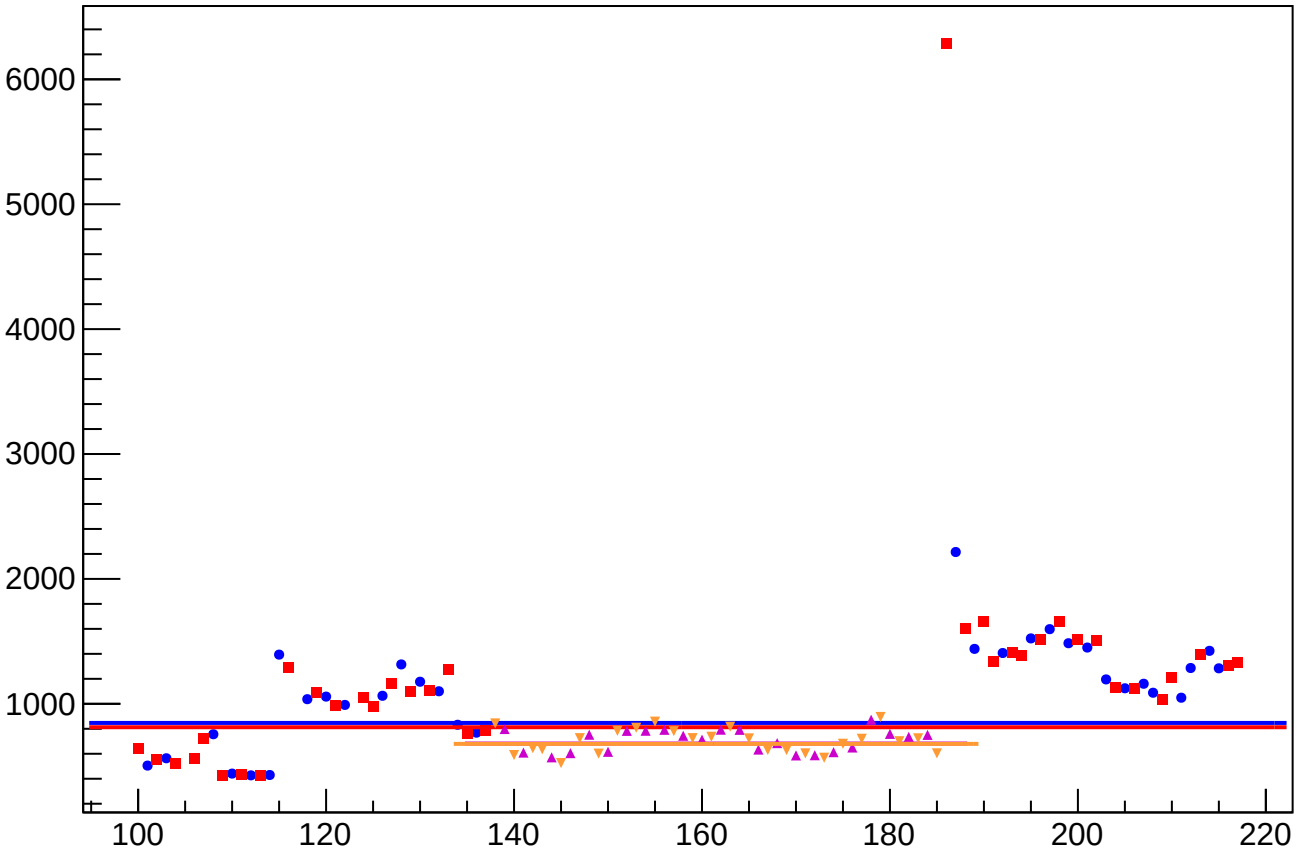
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 285.813+/-145.767 χ^2/NDF: 130.5/66

In: -108.507+/-128.159 χ^2/NDF:72.2/53

Out: -86.777+/-123.381 χ^2/NDF:157.1/60

All: -97.230+/-88.885 χ^2/NDF: 229.4/114



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: 812.365+/-0.142 χ^2/NDF: 8412879.3/35

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

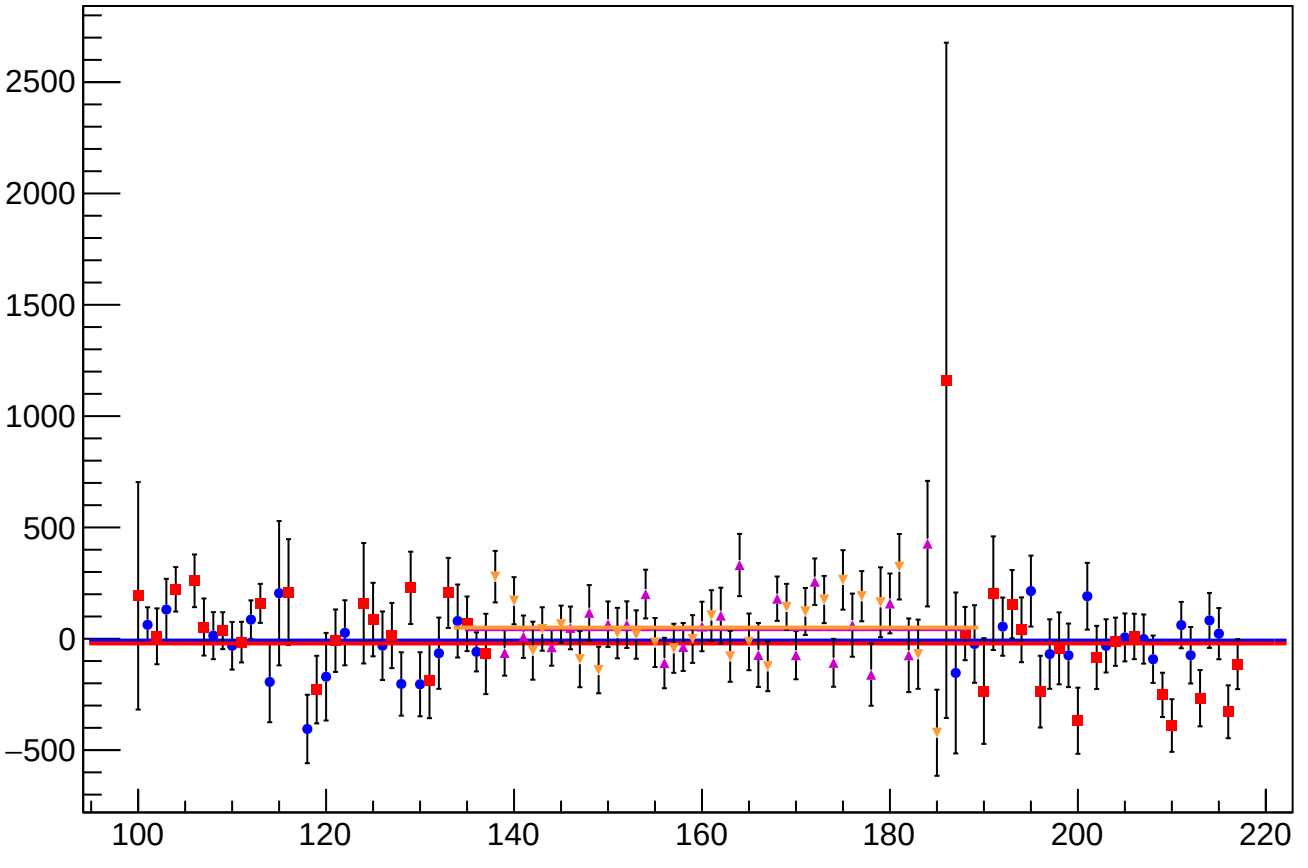
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 828.757+/-0.103 χ^2/NDF: 14767771.5/66

In: 742.353+/-0.091 χ^2/NDF:7670738.5/53

Out: 729.364+/-0.087 χ^2/NDF:9697909.2/60

All: 735.612+/-0.063 χ^2/NDF: 17379310.2/11



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: -20.891+/-22.099 χ^2/NDF: 64.3/35

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

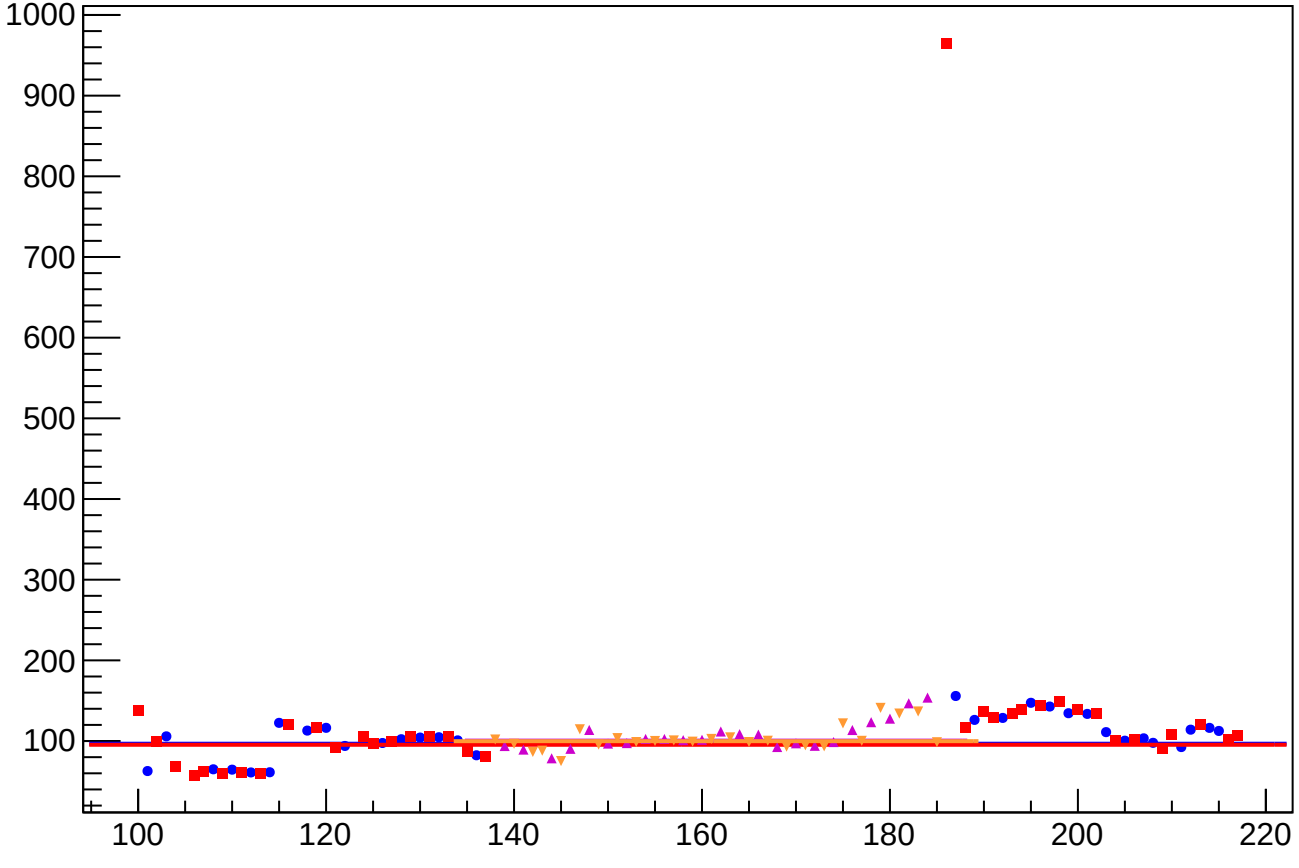
Right: -14.744+/-15.873 χ^2/NDF: 87.5/66

In: 16.379+/-16.456 χ^2/NDF:52.0/53

Out: 13.359+/-15.921 χ^2/NDF:102.8/60

All: 14.819+/-11.442 χ^2/NDF: 154.8/114

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: 95.377+/-0.016 χ^2/NDF: 3572012.0/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

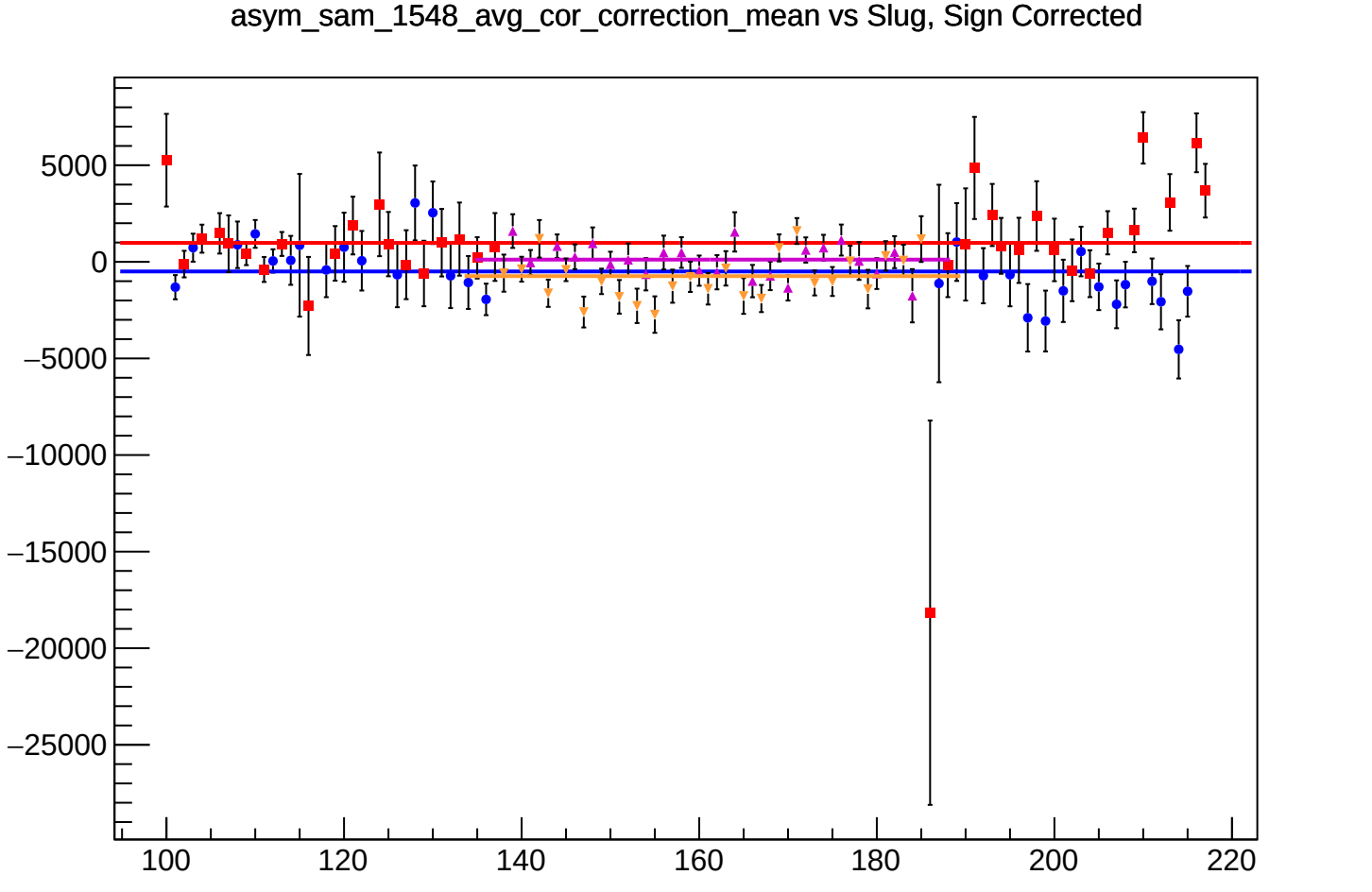
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 96.006+/-0.011 χ^2/NDF: 5892065.9/66

In: 98.509+/-0.012 χ^2/NDF:3000502.1/53

Out: 97.523+/-0.011 χ^2/NDF:4308984.3/60

All: 98.000+/-0.008 χ^2/NDF: 7313194.7/114



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: 981.374+/-201.046 χ^2/NDF: 61.1/35

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

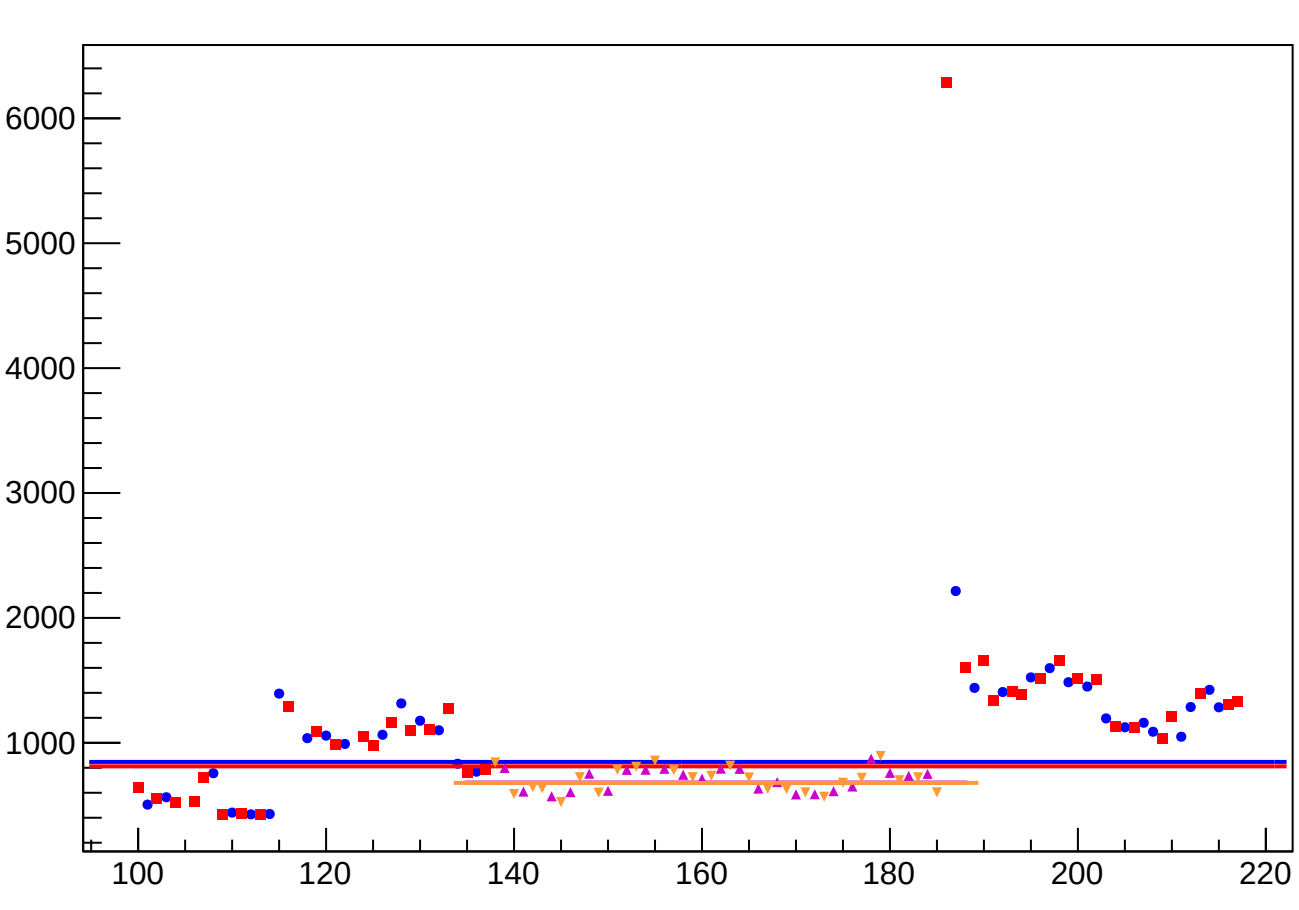
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 280.848+/-145.802 χ^2/NDF: 129.9/66

In: -108.513+/-128.159 χ^2/NDF:72.2/53

Out: -90.447+/-123.402 χ^2/NDF:156.4/60

All: -99.138+/-88.892 χ^2/NDF: 228.6/114



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: 811.359+/-0.142 χ^2/NDF: 8442651.9/35

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

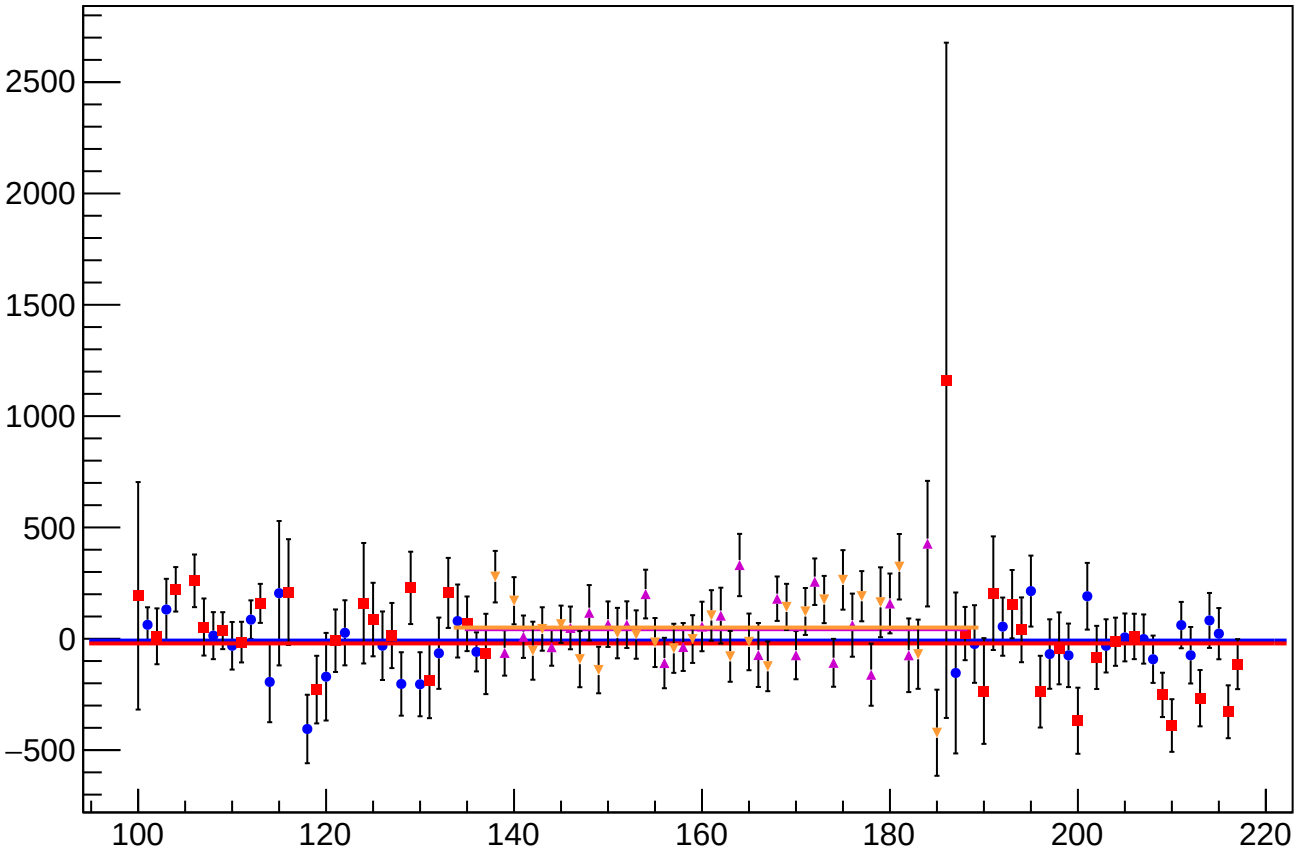
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 828.240+/-0.103 χ^2/NDF: 14799023.1/66

In: 742.356+/-0.091 χ^2/NDF:7670638.3/53

Out: 728.957+/-0.087 χ^2/NDF:9719142.7/60

All: 735.403+/-0.063 χ^2/NDF: 17401124.7/1



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: -20.891+/-22.099 χ^2/NDF: 64.3/35

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

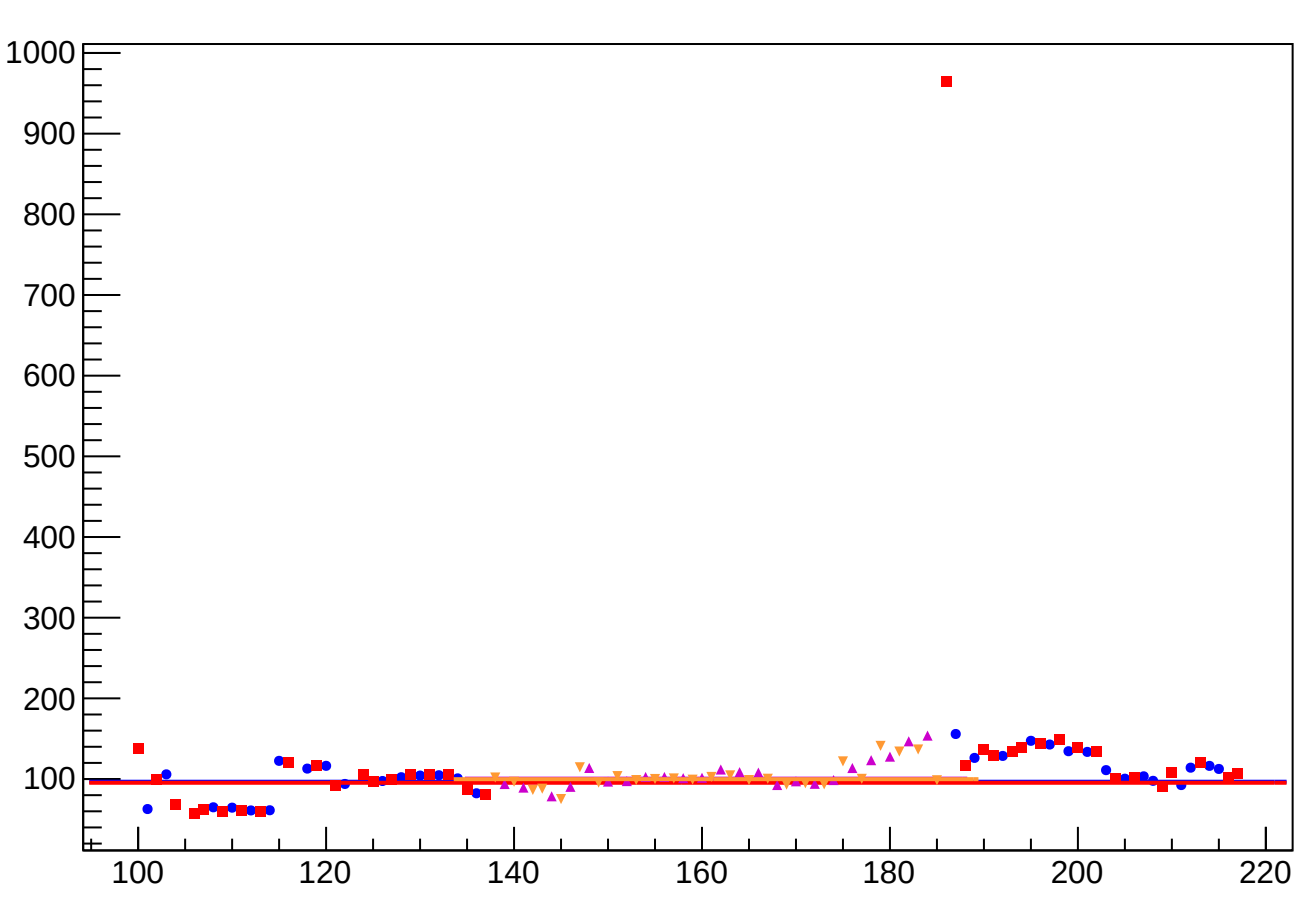
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: -14.744+/-15.873 χ^2/NDF: 87.5/66

In: 16.379+/-16.456 χ^2/NDF:52.0/53

Out: 13.359+/-15.921 χ^2/NDF:102.8/60

All: 14.819+/-11.442 χ^2/NDF: 154.8/114



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: 95.377+/-0.016 χ^2/NDF: 3572012.0/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

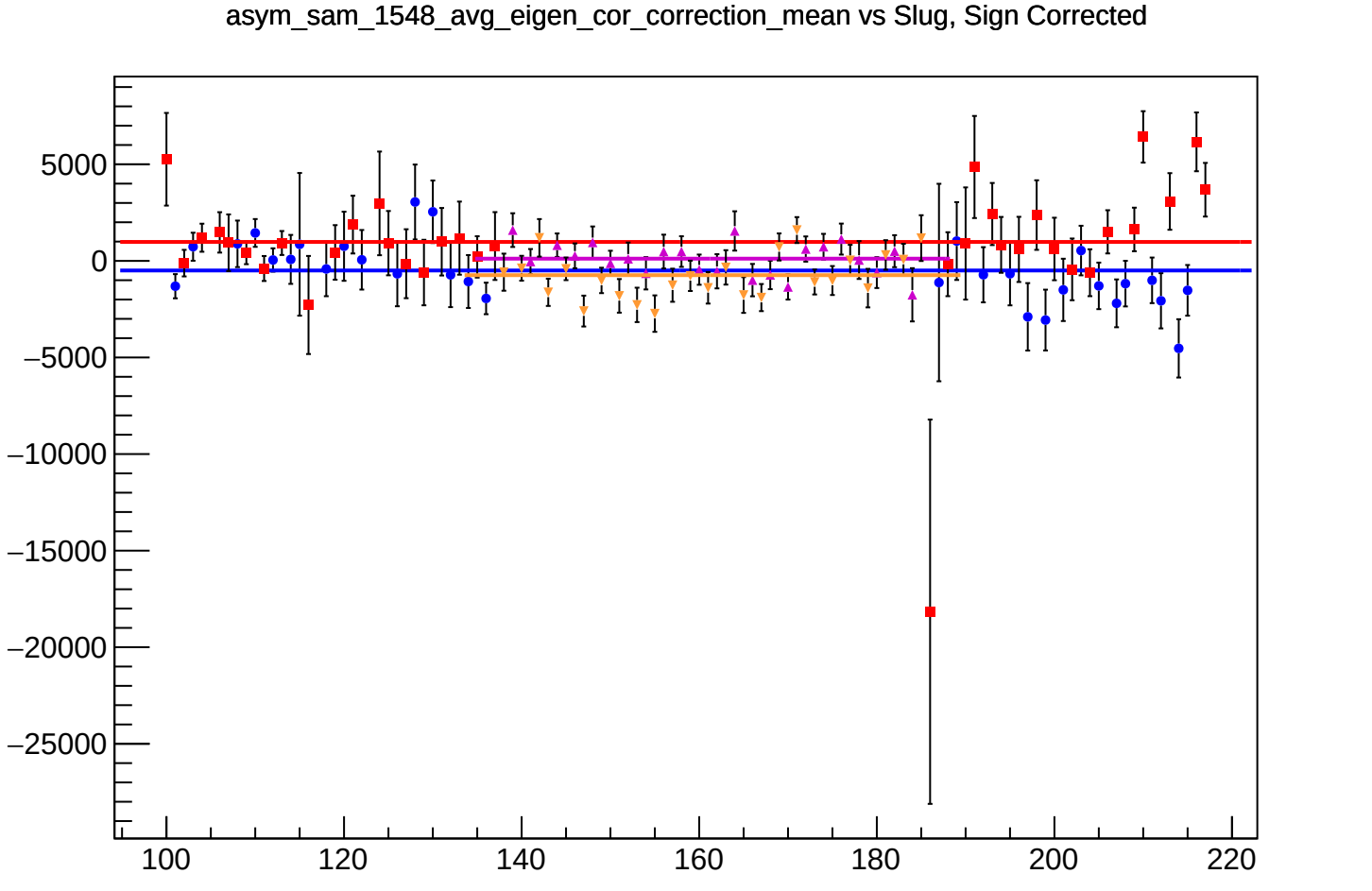
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 96.006+/-0.011 χ^2/NDF: 5892065.9/66

In: 98.509+/-0.012 χ^2/NDF:3000502.1/53

Out: 97.523+/-0.011 χ^2/NDF:4308984.3/60

All: 98.000+/-0.008 χ^2/NDF: 7313194.7/114



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: 981.374+/-201.046 χ^2/NDF: 61.1/35

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

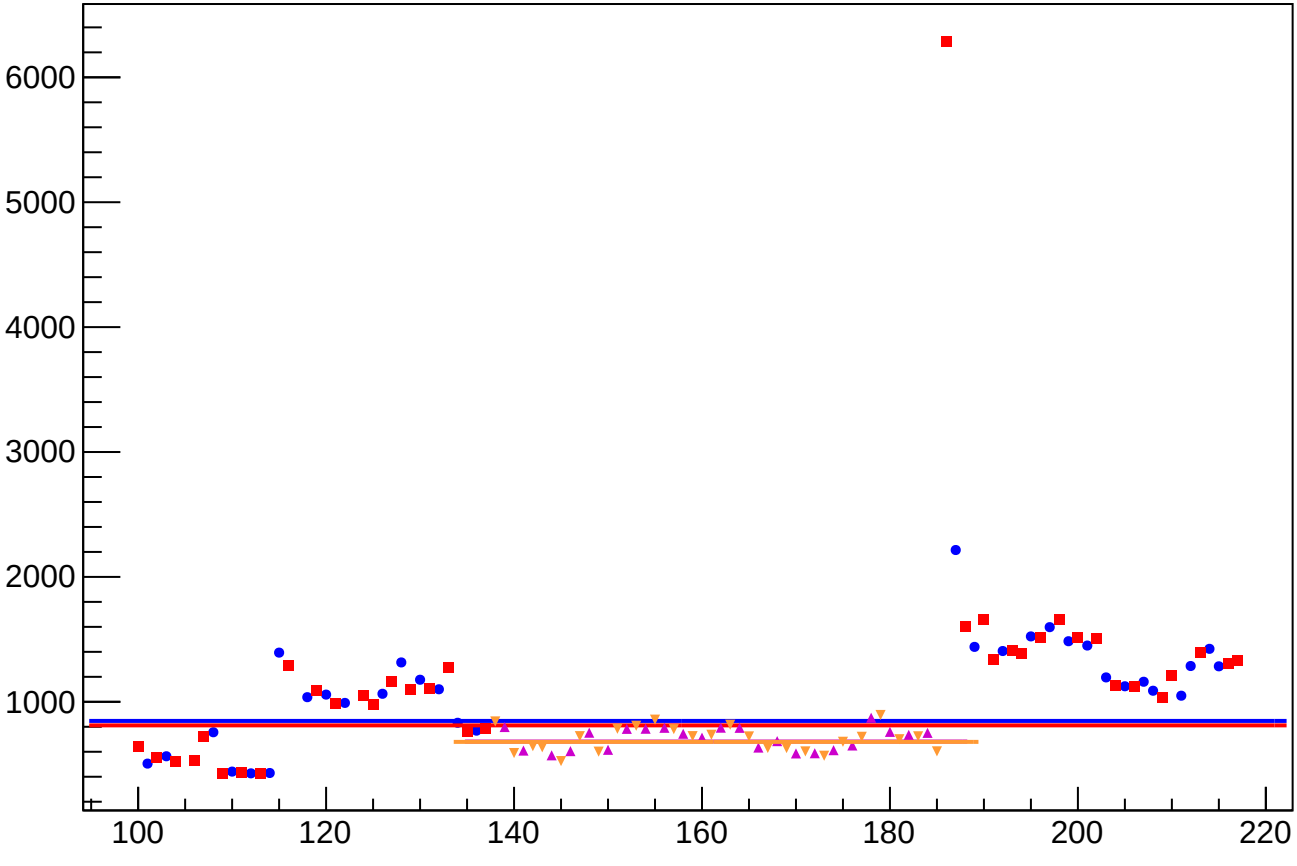
Right: 280.848+/-145.802 χ^2/NDF: 129.9/66

In: -108.513+/-128.159 χ^2/NDF:72.2/53

Out: -90.447+/-123.402 χ^2/NDF:156.4/60

All: -99.138+/-88.892 χ^2/NDF: 228.6/114

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: 811.359+/-0.142 χ^2/NDF: 8442651.9/35

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

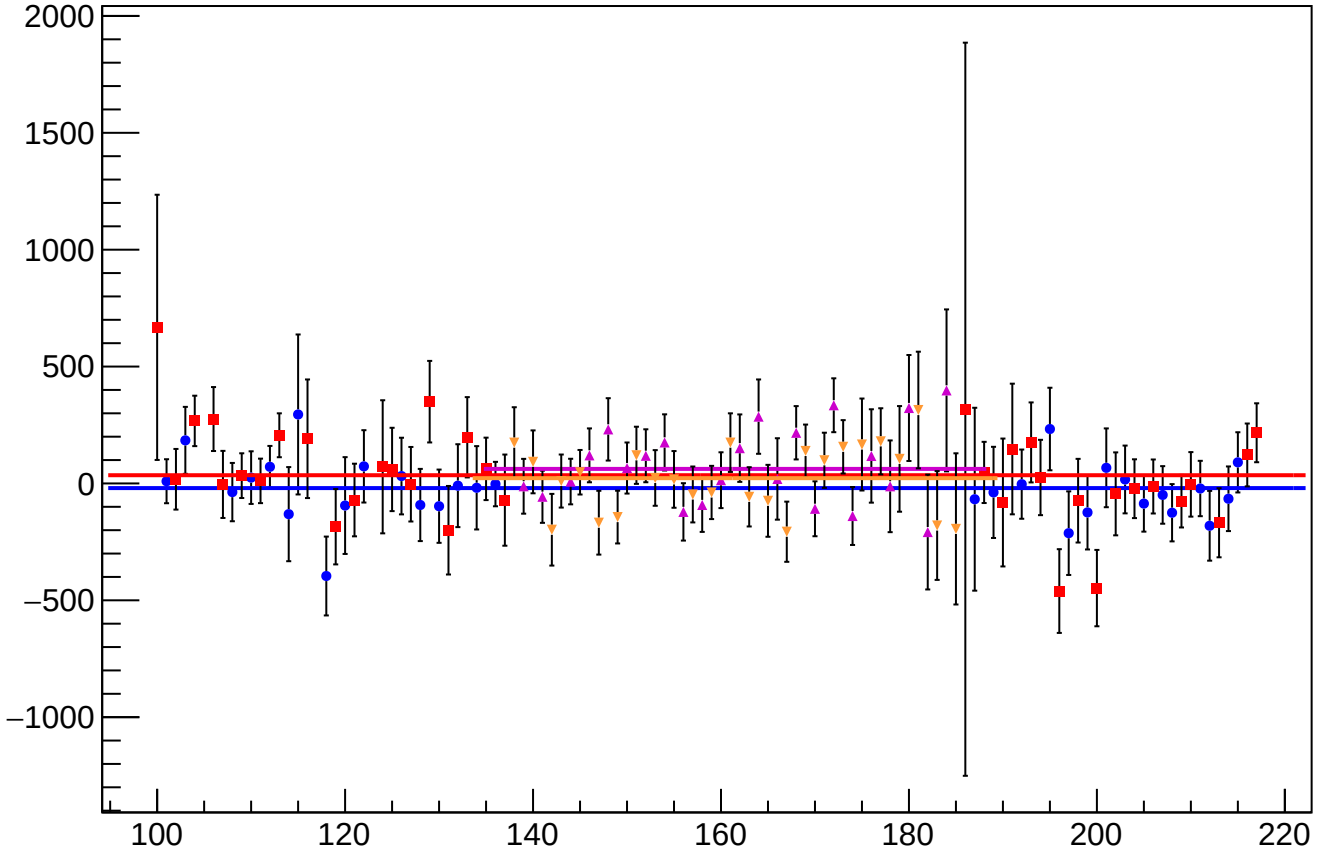
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 828.240+/-0.103 χ^2/NDF: 14799023.1/66

In: 742.356+/-0.091 χ^2/NDF:7670638.3/53

Out: 728.957+/-0.087 χ^2/NDF:9719142.7/60

All: 735.403+/-0.063 χ^2/NDF: 17401124.7/1



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: 35.154+/-24.528 χ^2/NDF: 45.1/35

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

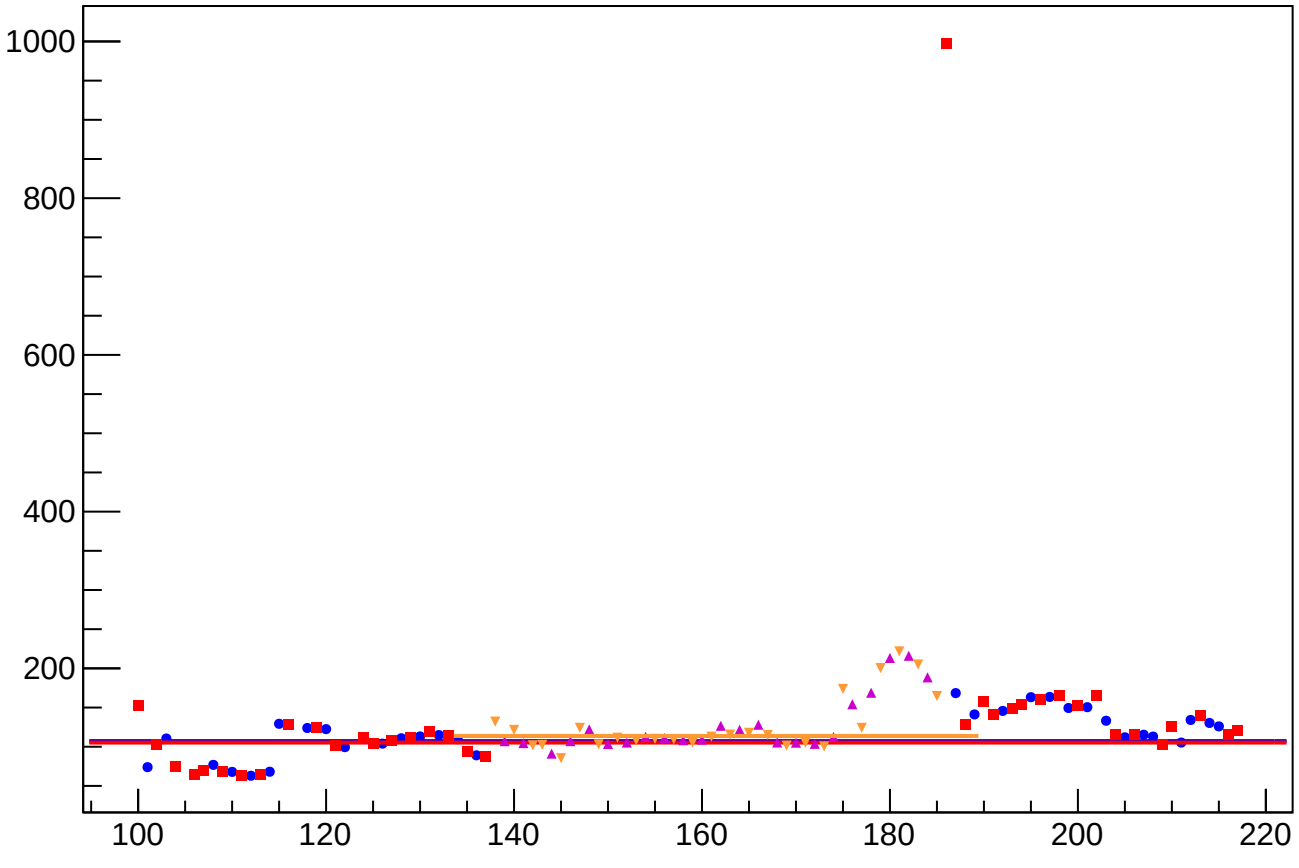
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 8.558+/-17.637 χ^2/NDF: 65.2/66

In: 18.080+/-18.600 χ^2/NDF:49.8/53

Out: 29.368+/-18.046 χ^2/NDF:66.8/60

All: 23.895+/-12.952 χ^2/NDF: 116.9/114



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: 105.315+/-0.017 χ^2/NDF: 3804767.5/35

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

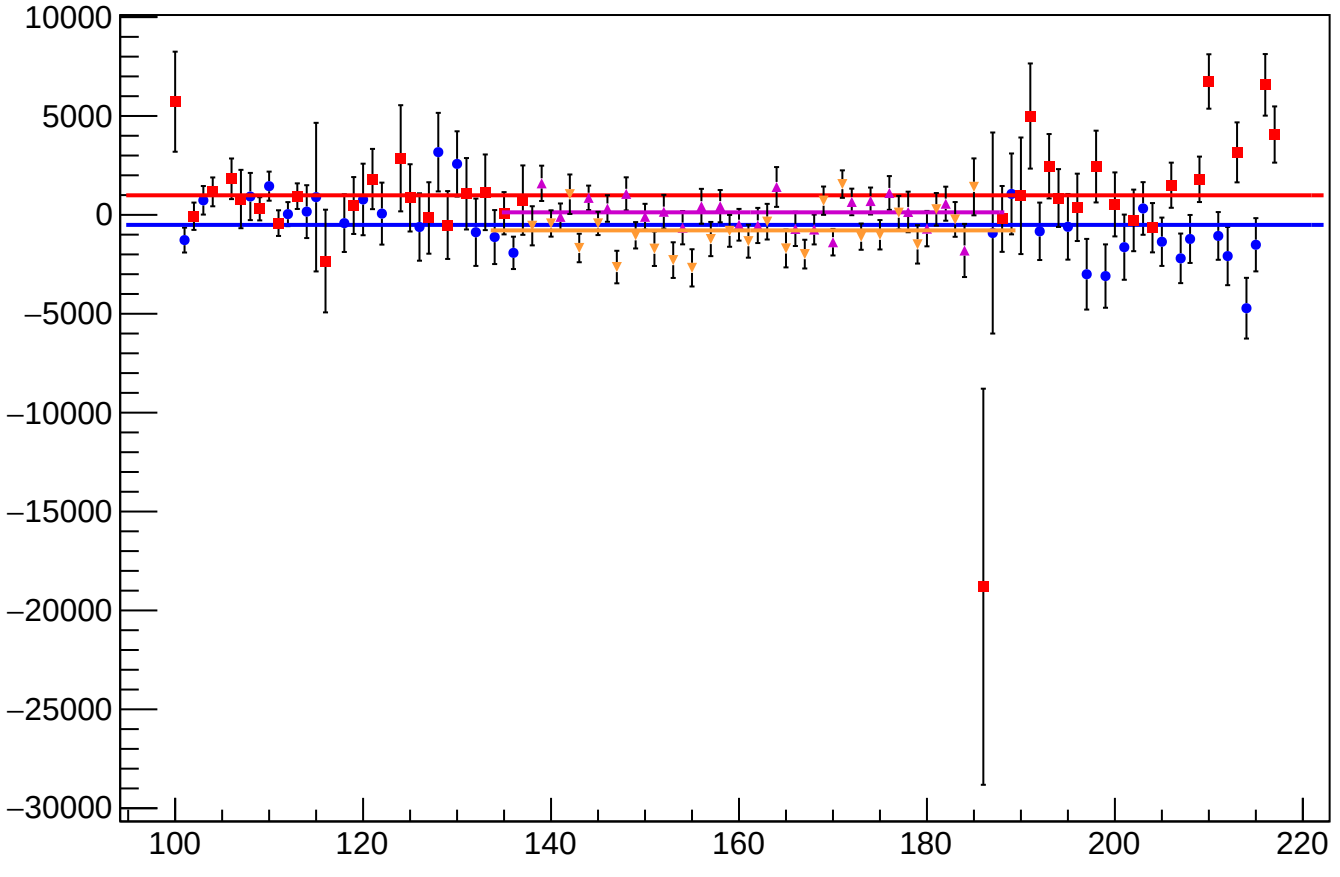
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 106.211+/-0.012 χ^2/NDF: 6277803.2/66

In: 110.182+/-0.013 χ^2/NDF:3844384.6/53

Out: 109.192+/-0.013 χ^2/NDF:5493598.5/60

All: 109.672+/-0.009 χ^2/NDF: 9340904.3/114



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: 988.880+/-203.534 χ^2/NDF: 65.7/35

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

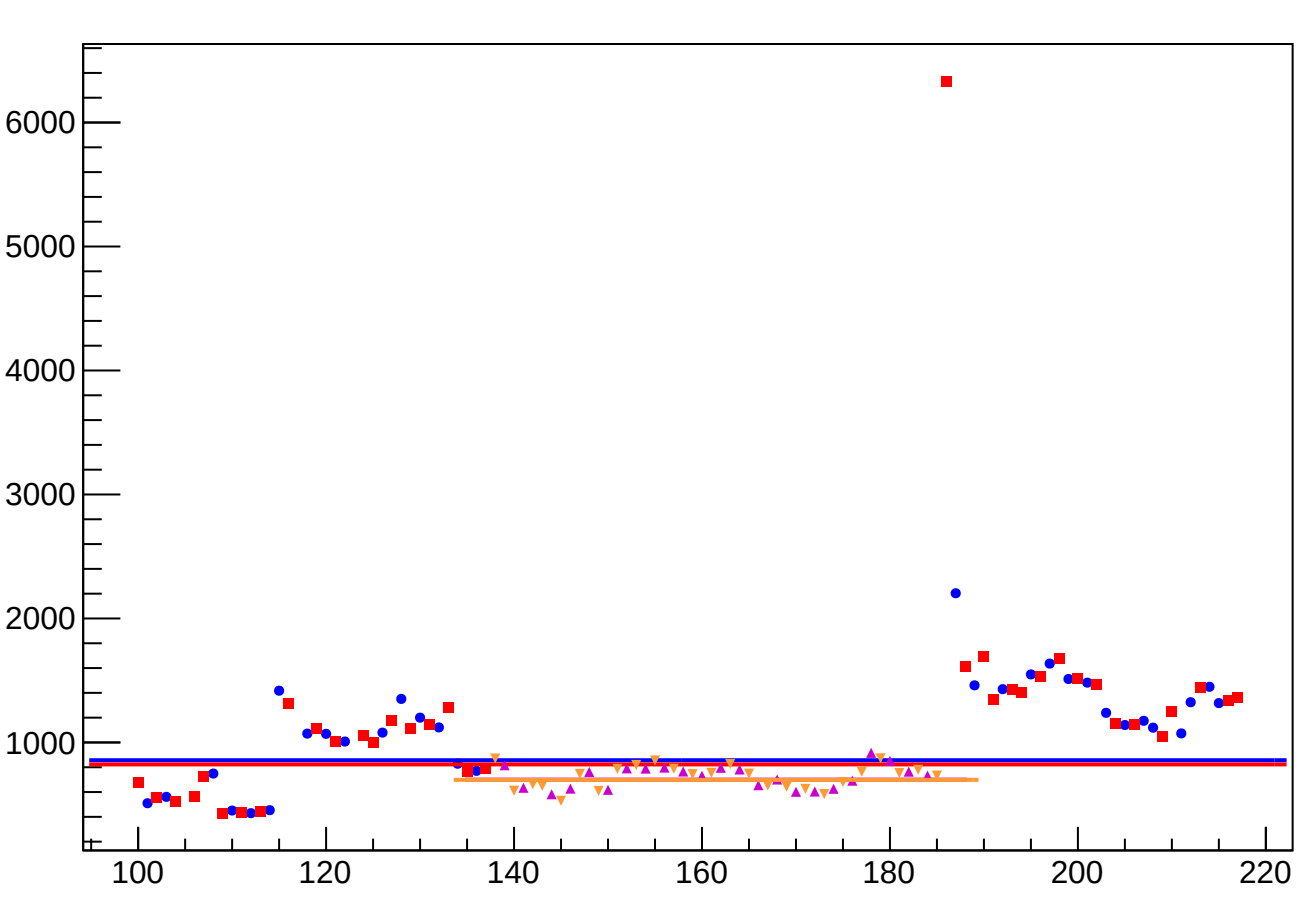
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 280.413+/-147.663 χ^2/NDF: 134.4/66

In: -108.288+/-130.922 χ^2/NDF:71.4/53

Out: -104.525+/-126.021 χ^2/NDF:157.9/60

All: -106.335+/-90.793 χ^2/NDF: 229.3/114



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: 822.875+/-0.144 χ^2/NDF: 8436717.7/35

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

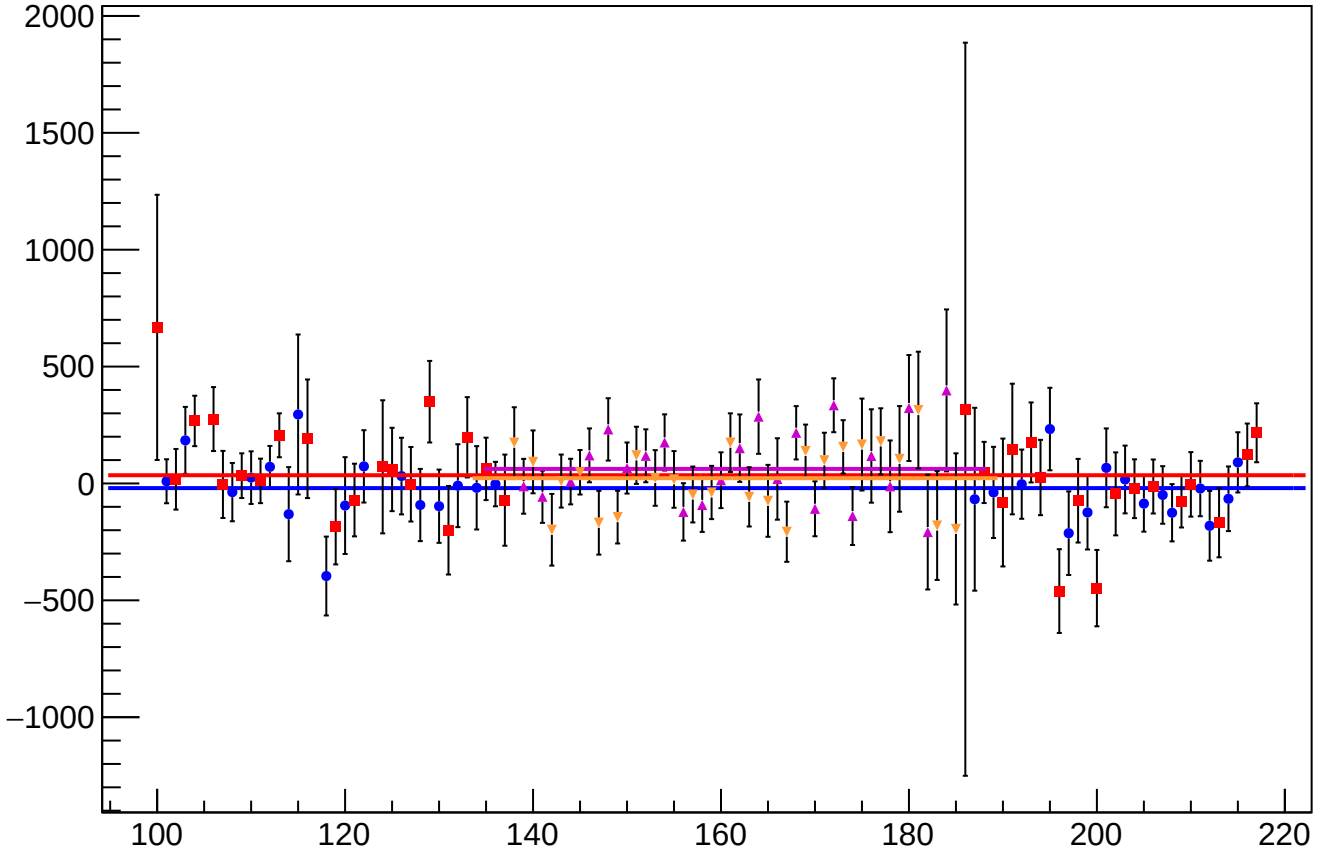
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 838.893+/-0.104 χ^2/NDF: 14921591.0/66

In: 758.394+/-0.093 χ^2/NDF:7711893.8/53

Out: 746.018+/-0.089 χ^2/NDF:9613874.2/60

All: 751.970+/-0.064 χ^2/NDF: 17335045.0/1



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: 35.152+/-24.528 χ^2/NDF: 45.1/35

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

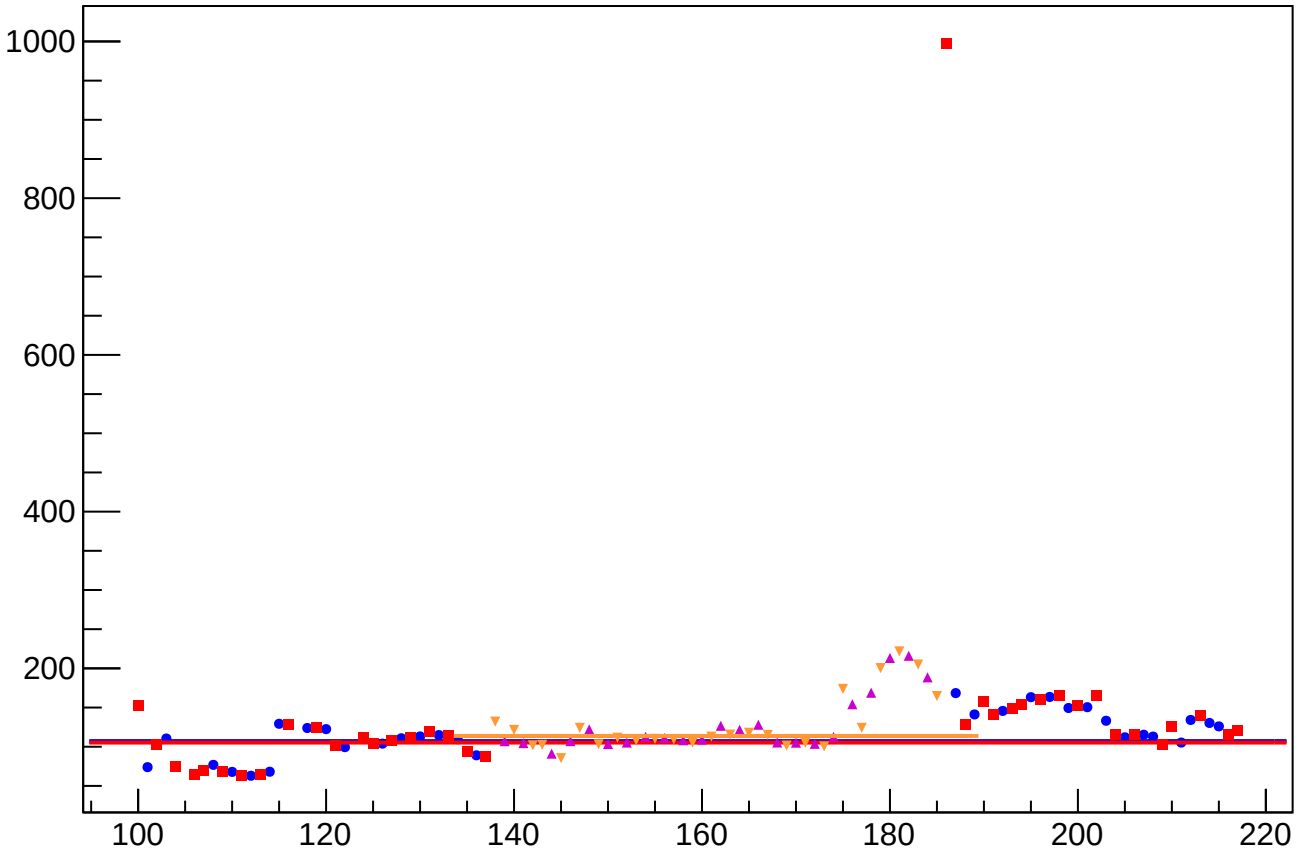
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 8.558+/-17.637 χ^2/NDF: 65.2/66

In: 18.081+/-18.600 χ^2/NDF:49.8/53

Out: 29.368+/-18.046 χ^2/NDF:66.8/60

All: 23.895+/-12.952 χ^2/NDF: 116.9/114



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: 105.315+/-0.017 χ^2/NDF: 3804765.0/35

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

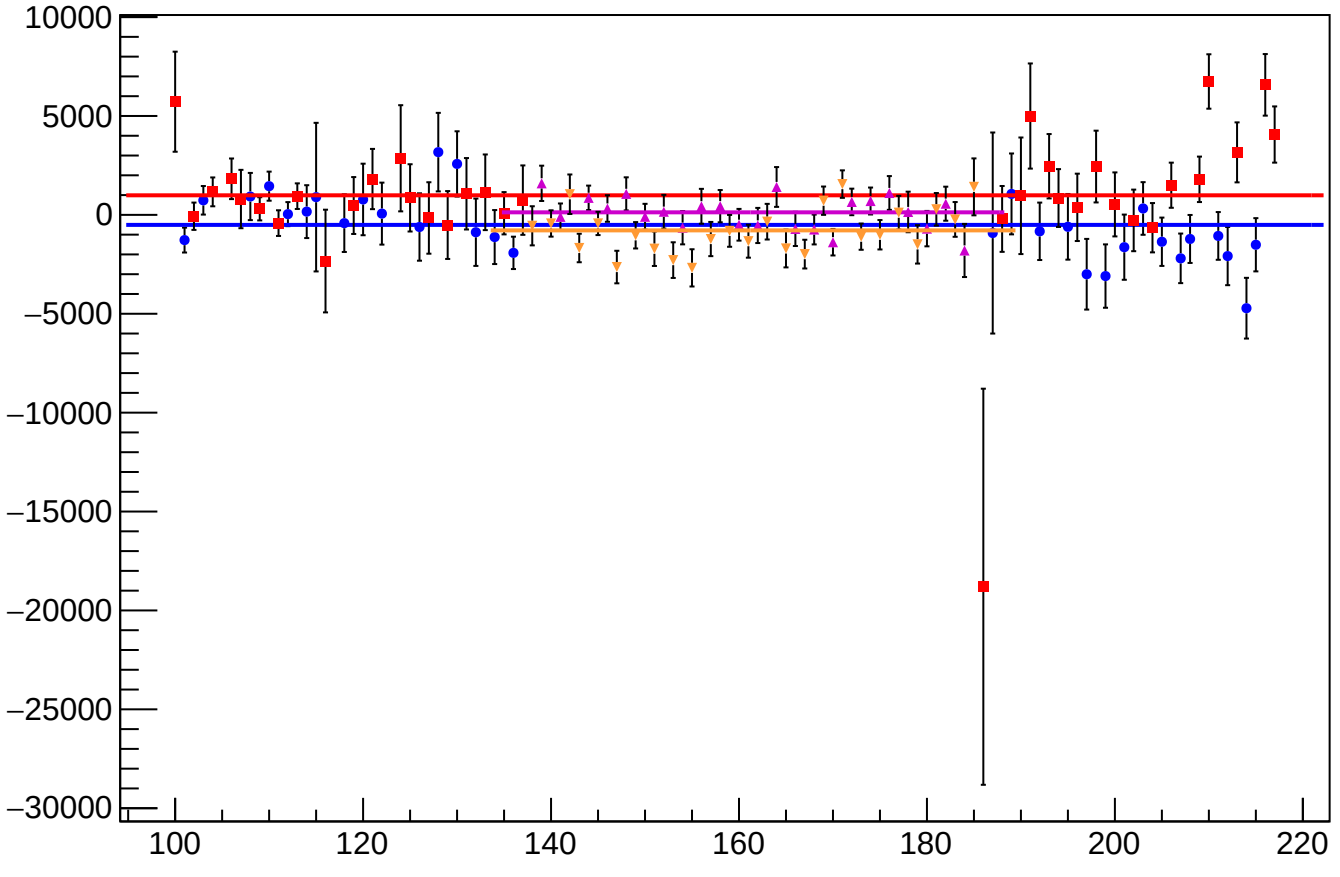
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 106.211+/-0.012 χ^2/NDF: 6277780.3/66

In: 110.182+/-0.013 χ^2/NDF:3844347.7/53

Out: 109.192+/-0.013 χ^2/NDF:5493591.9/60

All: 109.672+/-0.009 χ^2/NDF: 9340860.9/114



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: 988.878+/-203.534 χ^2/NDF: 65.7/35

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

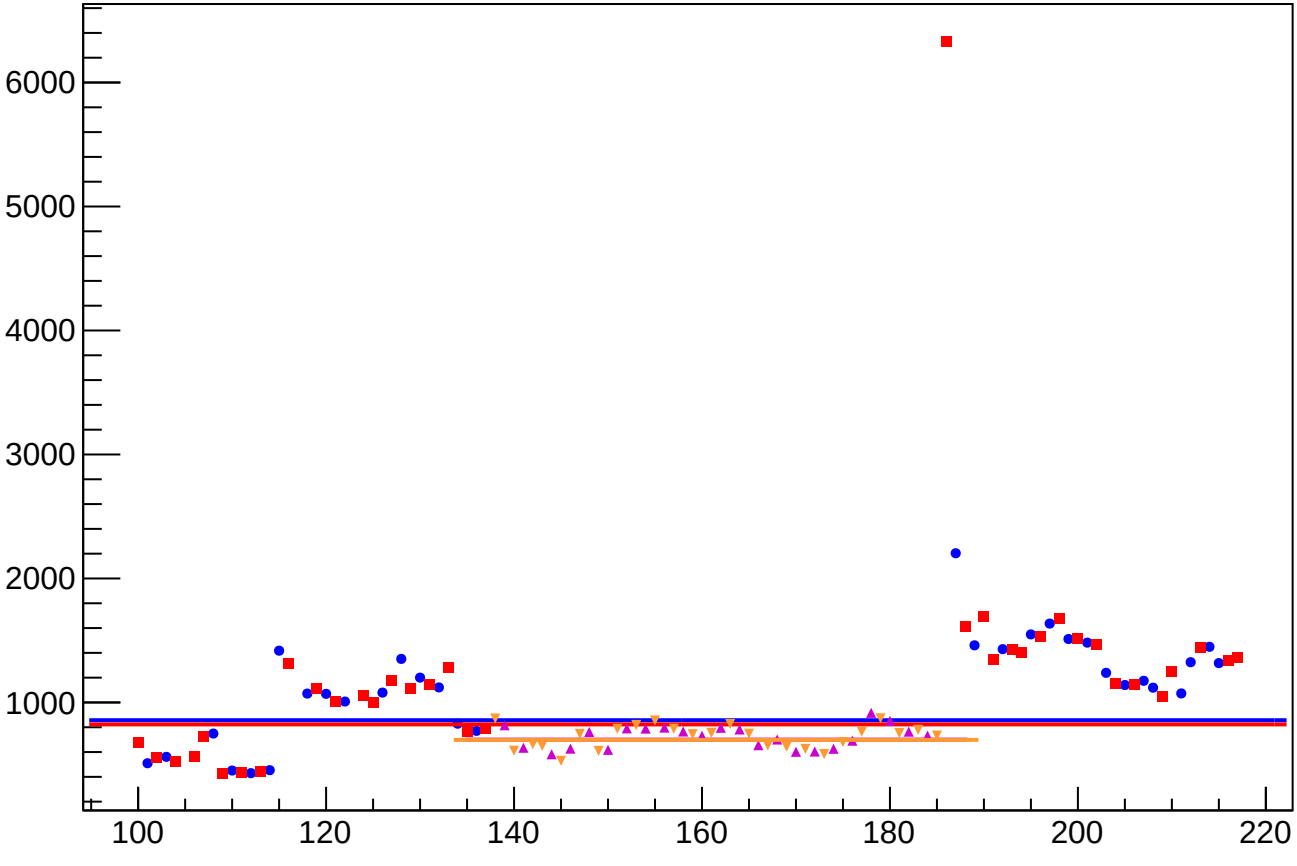
Right: 280.413+/-147.663 χ^2/NDF: 134.4/66

In: -108.289+/-130.922 χ^2/NDF:71.4/53

Out: -104.524+/-126.020 χ^2/NDF:157.9/60

All: -106.335+/-90.793 χ^2/NDF: 229.3/114

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: 822.874+/-0.144 χ^2/NDF: 8436714.0/35

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

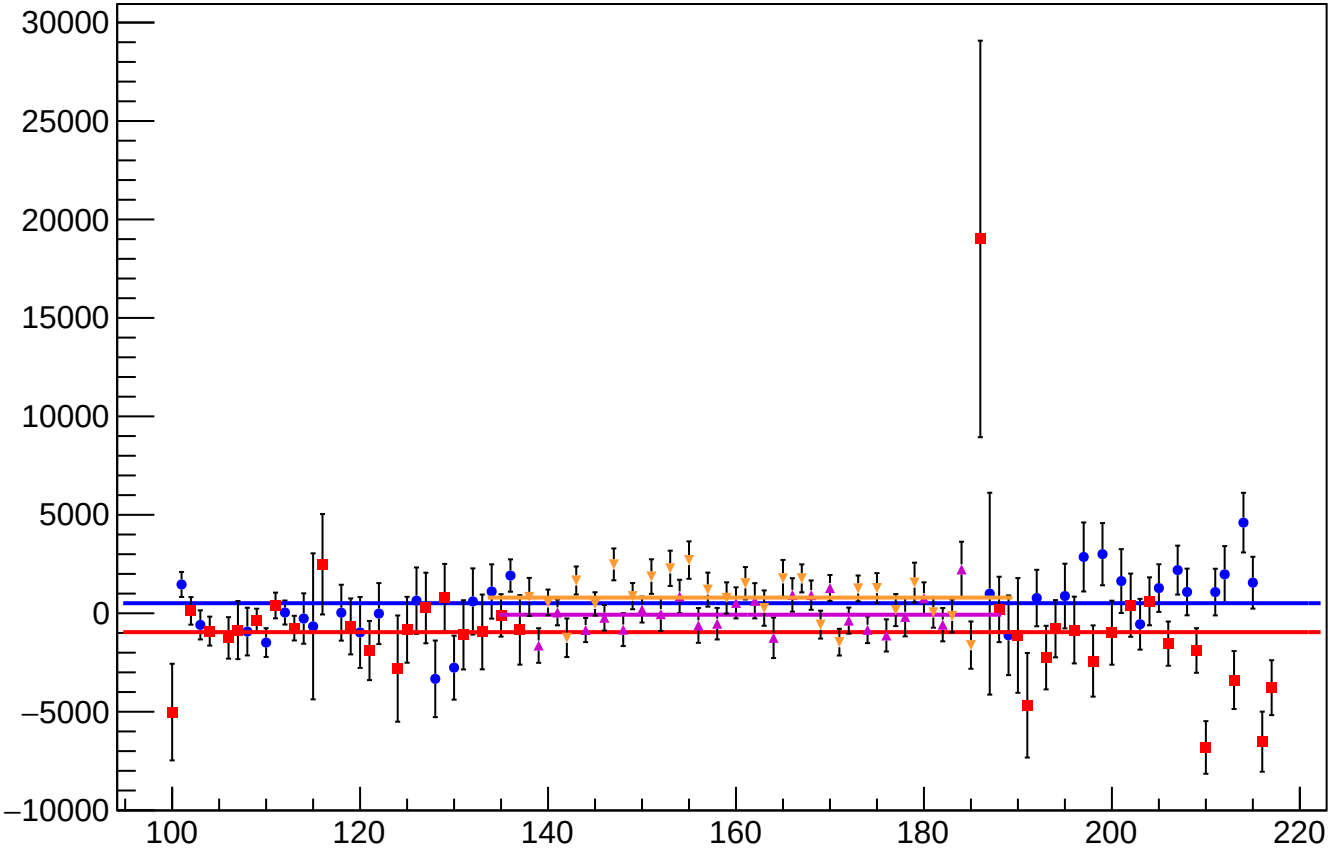
Right: 838.892+/-0.104 χ^2/NDF: 14921587.2/66

In: 758.394+/-0.093 χ^2/NDF:7711887.6/53

Out: 746.017+/-0.089 χ^2/NDF:9613869.0/60

All: 751.970+/-0.064 χ^2/NDF: 17335033.7/1

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 512.022+/-213.601 χ^2/NDF: 44.3/30

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -958.255+/-202.762 χ^2/NDF: 65.9/35

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

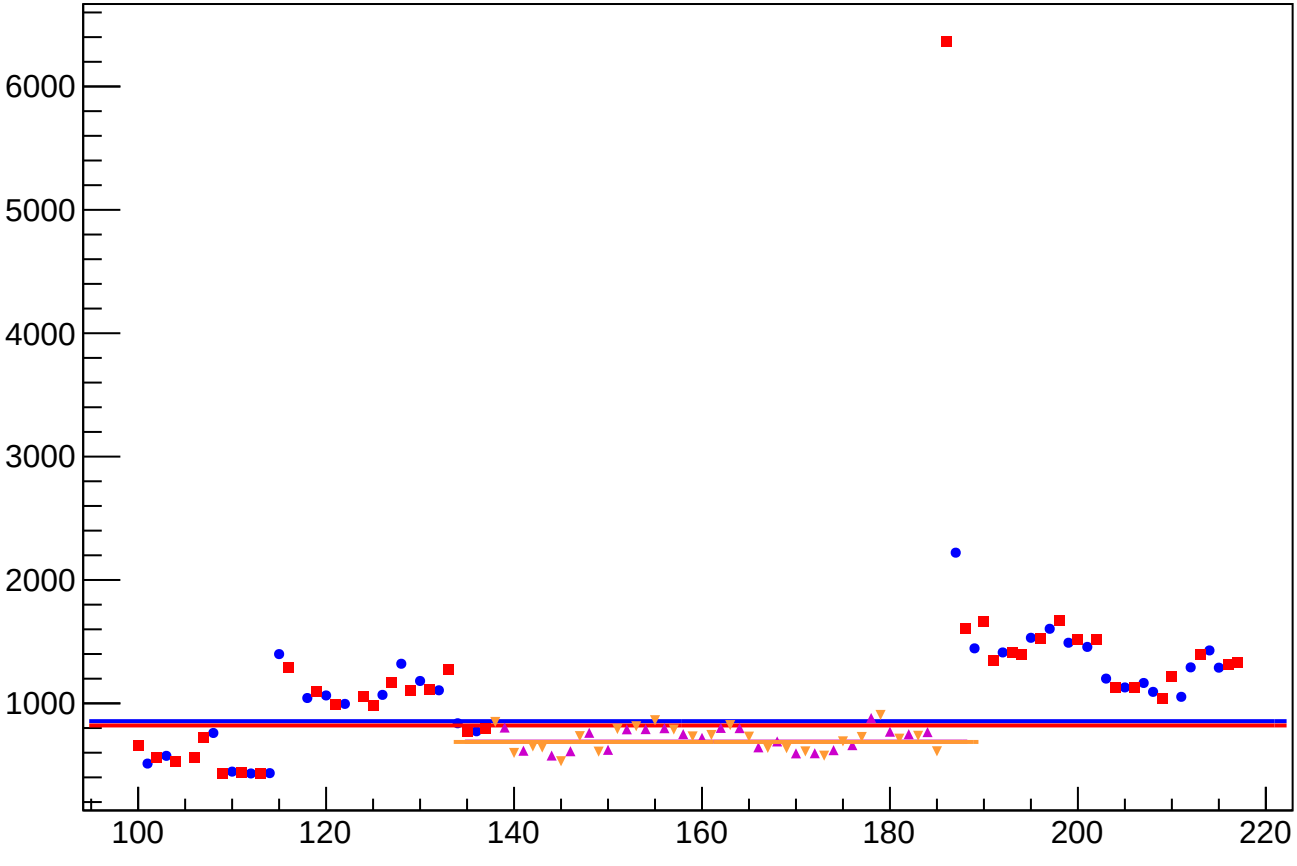
Right: -261.368+/-147.057 χ^2/NDF: 135.1/66

In: 141.781+/-129.520 χ^2/NDF:74.0/53

Out: 133.055+/-124.699 χ^2/NDF:158.8/60

All: 137.253+/-89.831 χ^2/NDF: 232.8/114

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: 820.844+/-0.143 χ^2/NDF: 8302497.1/35

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

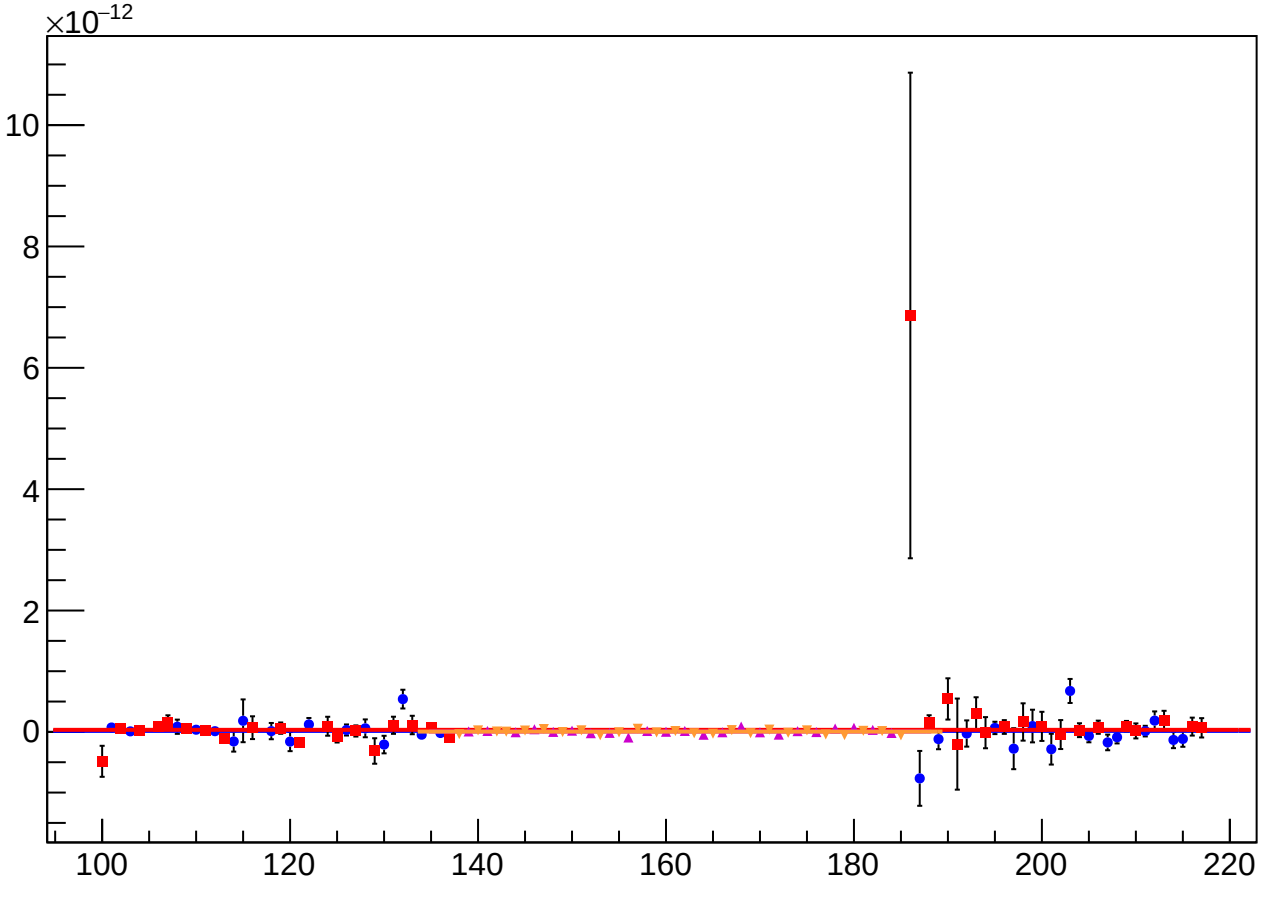
Right: 837.356+/-0.104 χ^2/NDF: 14550667.8/66

In: 750.915+/-0.092 χ^2/NDF:7548168.9/53

Out: 737.775+/-0.088 χ^2/NDF:9570388.6/60

All: 744.096+/-0.064 χ^2/NDF: 17129240.4/11

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 48.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.0/35

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

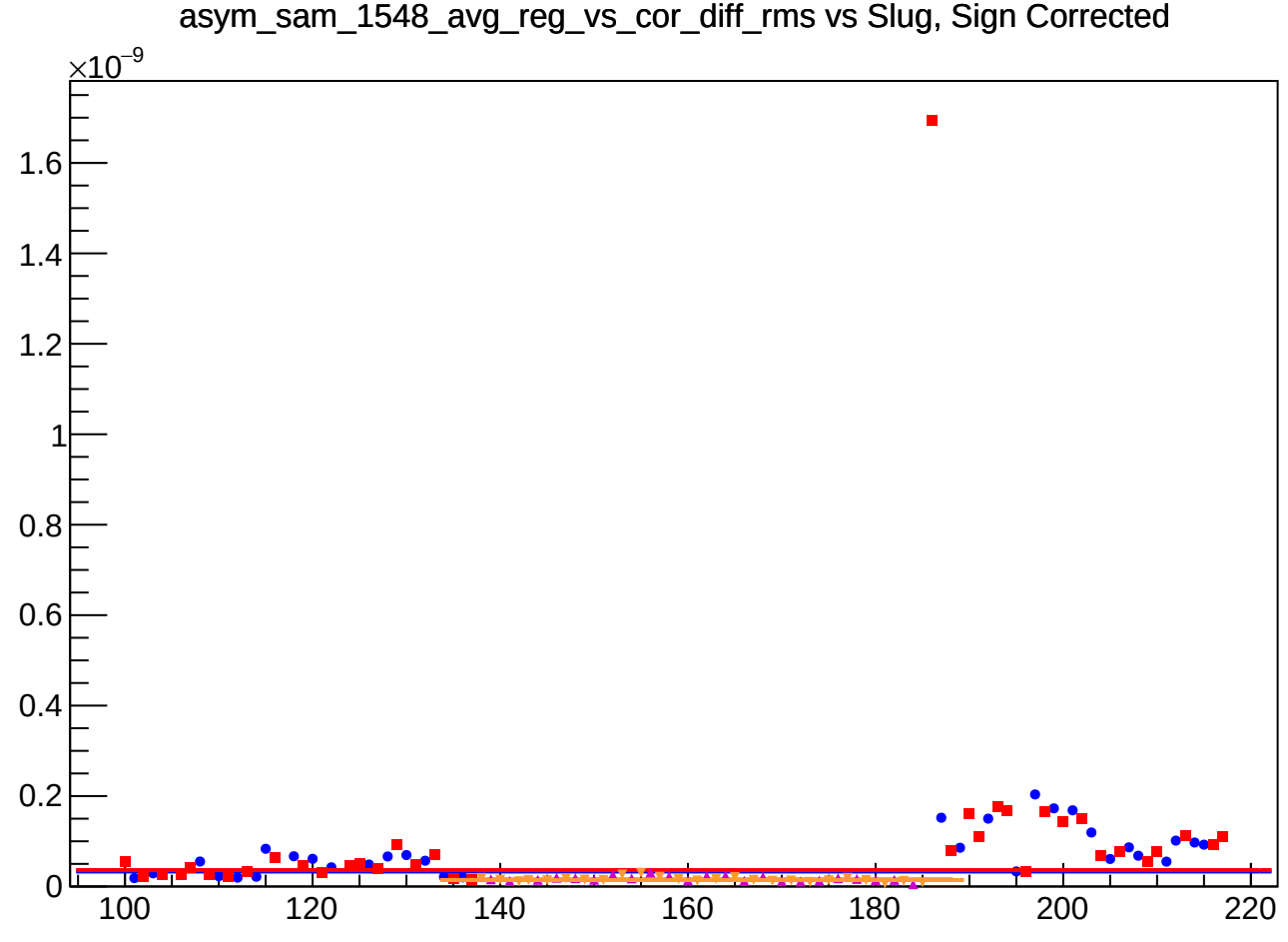
Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 85.2/66

In: 0.000+/-0.000 χ^2/NDF:75.3/53

Out: 0.000+/-0.000 χ^2/NDF:61.2/60

All: 0.000+/-0.000 χ^2/NDF: 136.6/114



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: 6655805.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

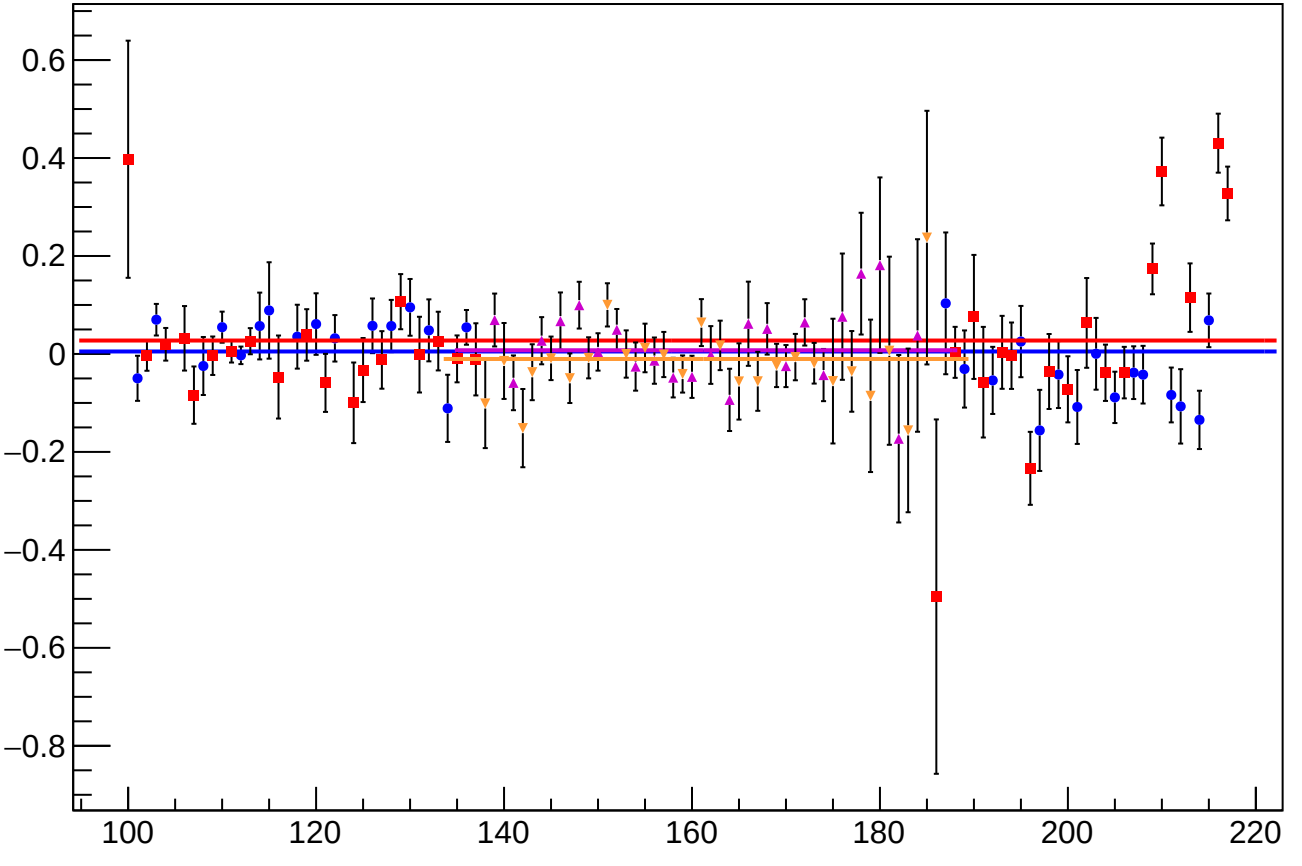
Right: 0.000+/-0.000 χ^2/NDF: 13600070.3/66

In: 0.000+/-0.000 χ^2/NDF:10792124.2/53

Out: 0.000+/-0.000 χ^2/NDF:11487168.7/60

All: 0.000+/-0.000 χ^2/NDF: 22313150.1/114

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.009 χ^2/NDF: 44.5/30

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

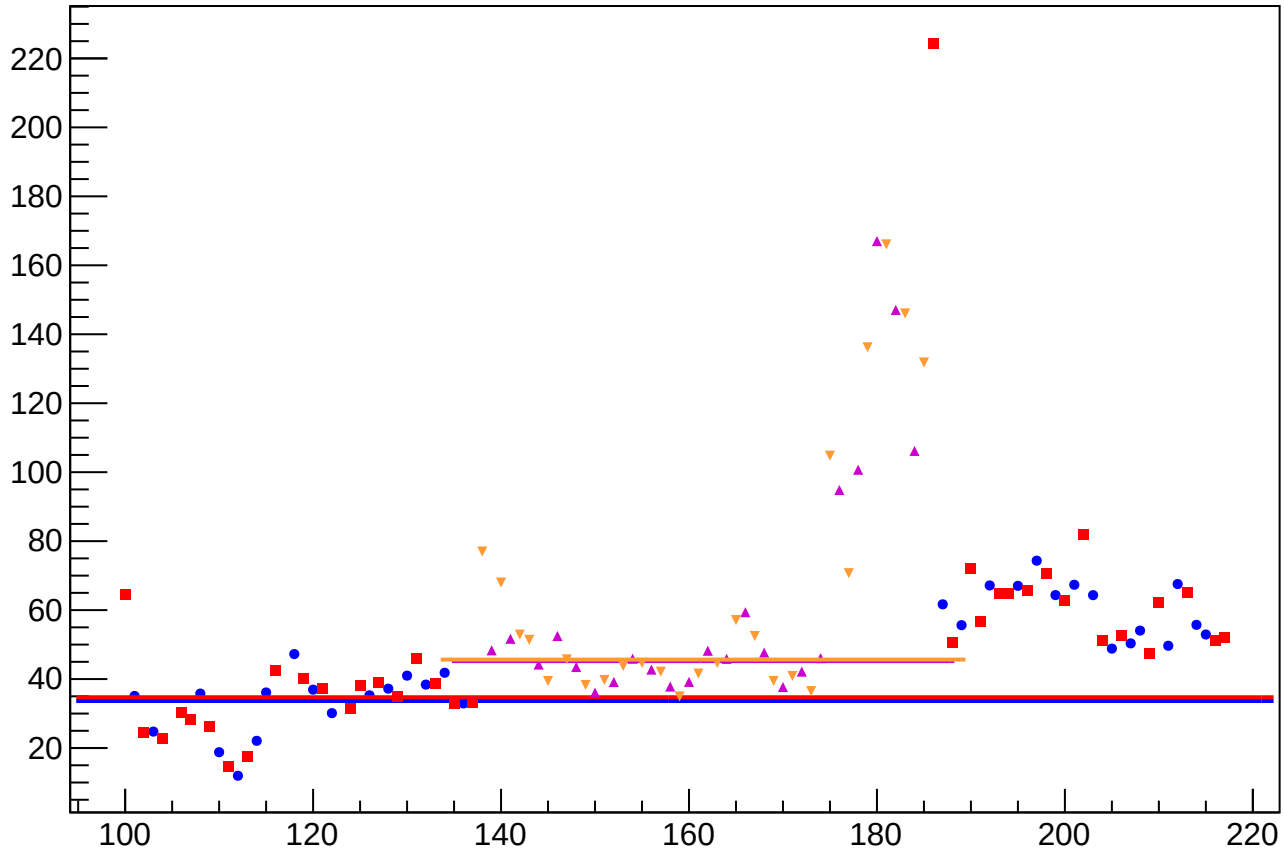
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.016+/-0.006 χ^2/NDF: 196.8/66

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.013+/-0.007 χ^2/NDF:174.0/60

All: 0.010+/-0.005 χ^2/NDF: 242.4/114



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: 34.731+/-0.006 χ^2/NDF: 8093350.5/35

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

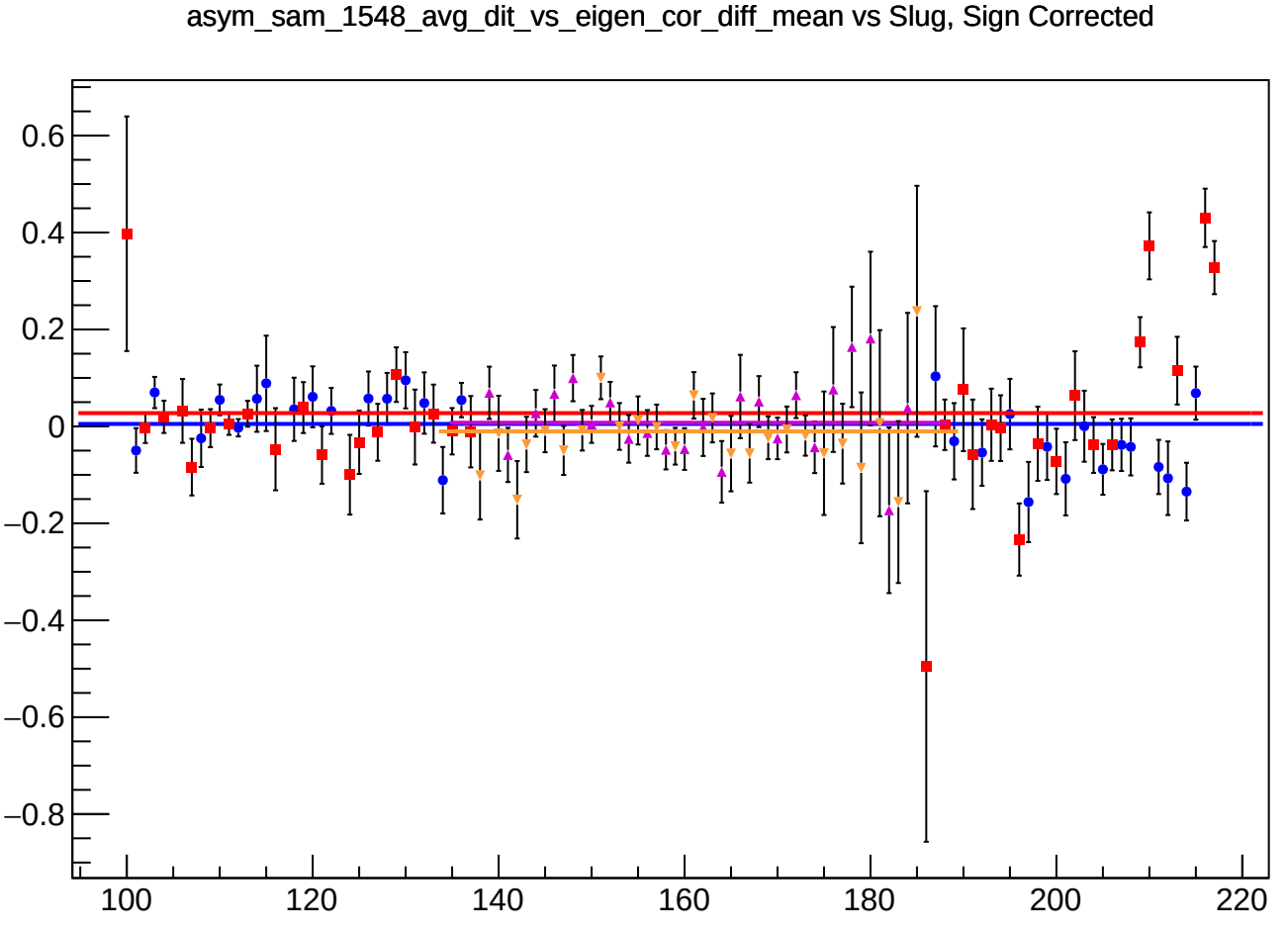
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 34.195+/-0.004 χ^2/NDF: 16345873.5/66

In: 37.992+/-0.005 χ^2/NDF:12512702.8/53

Out: 38.847+/-0.005 χ^2/NDF:13277318.1/60

All: 38.424+/-0.003 χ^2/NDF: 25805096.1/114



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: 0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

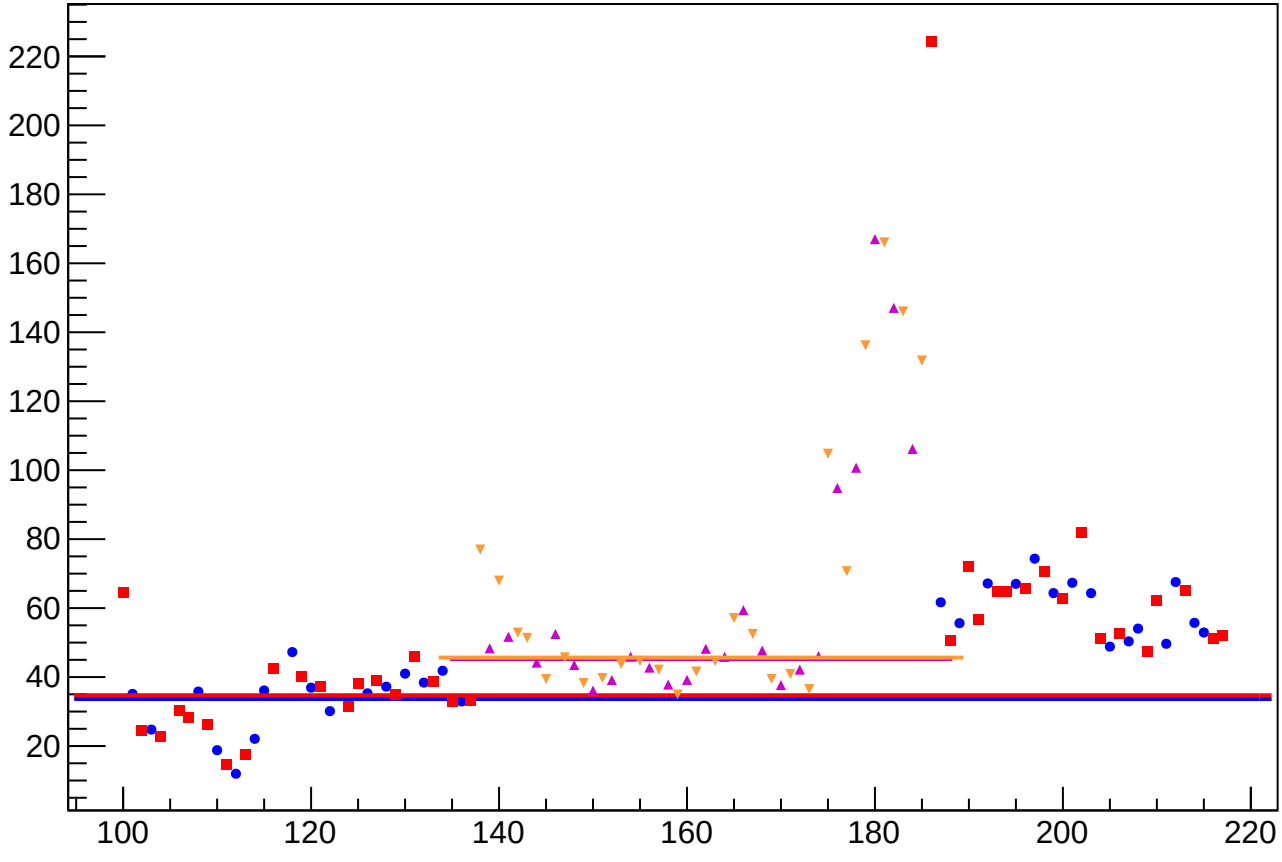
Right: 0.016+/-0.006 χ^2/NDF: 196.8/66

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.013+/-0.007 χ^2/NDF:174.0/60

All: 0.010+/-0.005 χ^2/NDF: 242.4/114

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: 34.731+/-0.006 χ^2/NDF: 8093350.5/35

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

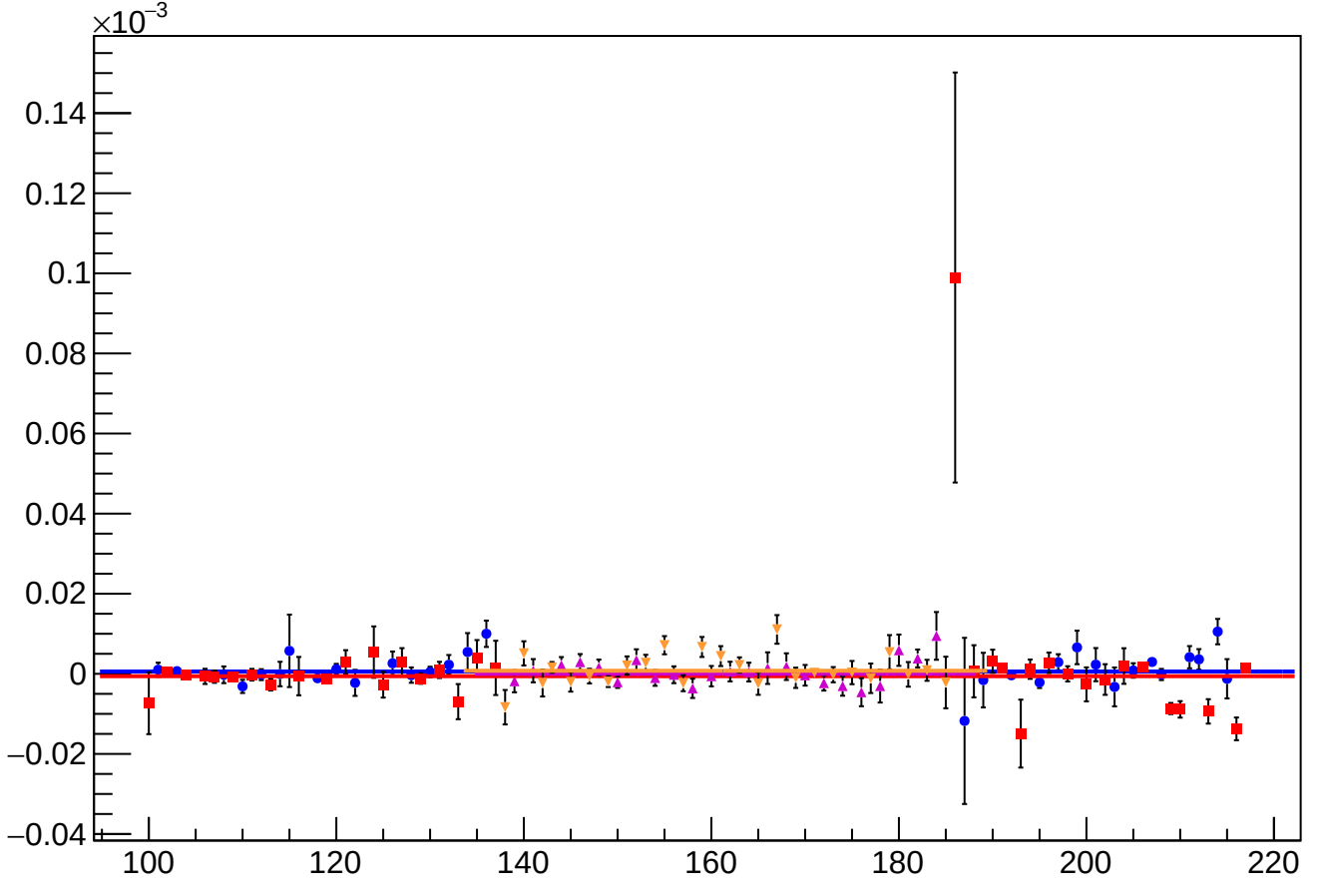
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 34.195+/-0.004 χ^2/NDF: 16345873.5/66

In: 37.992+/-0.005 χ^2/NDF:12512702.8/53

Out: 38.847+/-0.005 χ^2/NDF:13277318.1/60

All: 38.424+/-0.003 χ^2/NDF: 25805096.1/114



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: 116.0/35

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

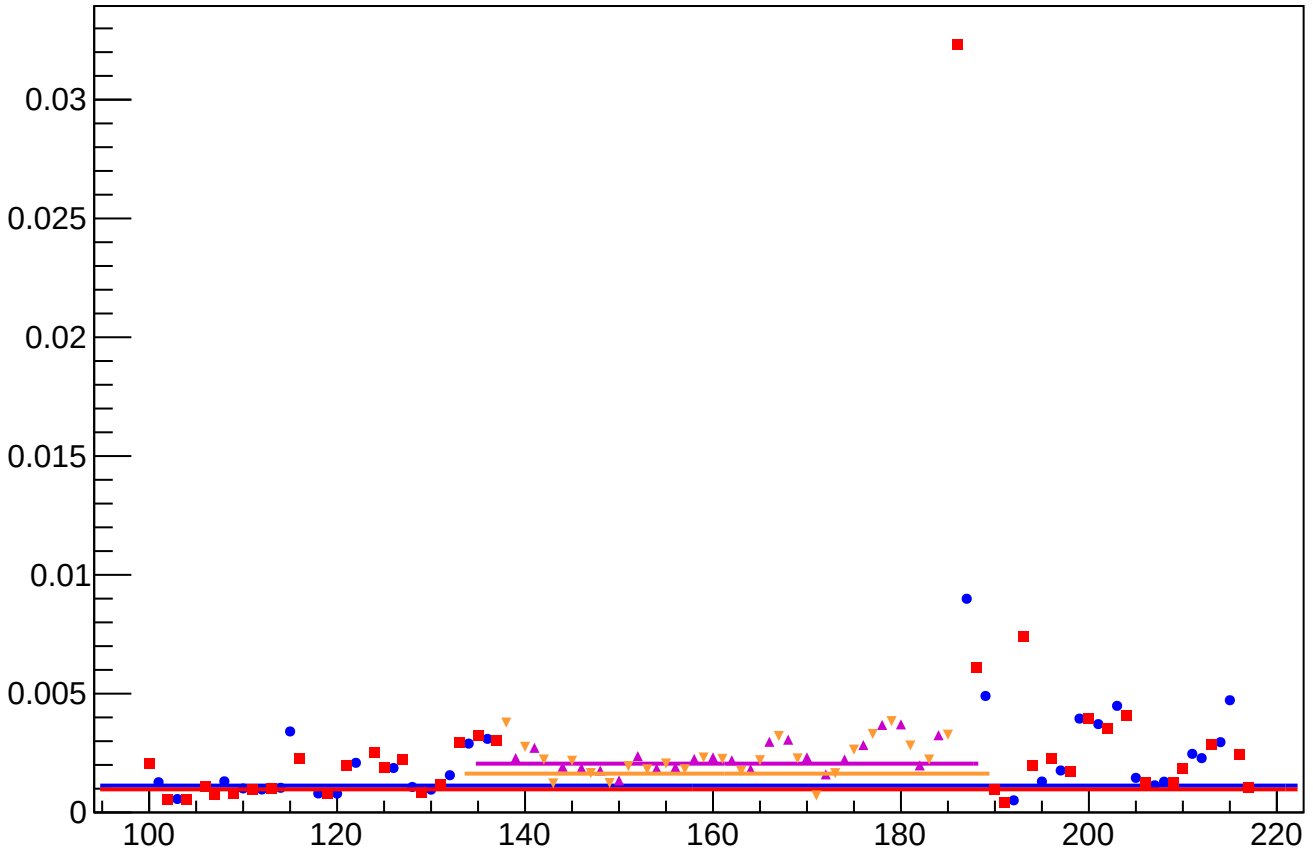
Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

Right: -0.000+/-0.000 χ^2/NDF: 169.9/66

In: 0.000+/-0.000 χ^2/NDF:71.5/53

Out: -0.000+/-0.000 χ^2/NDF:169.7/60

All: 0.000+/-0.000 χ^2/NDF: 244.1/114



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: 13782305.3/35

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

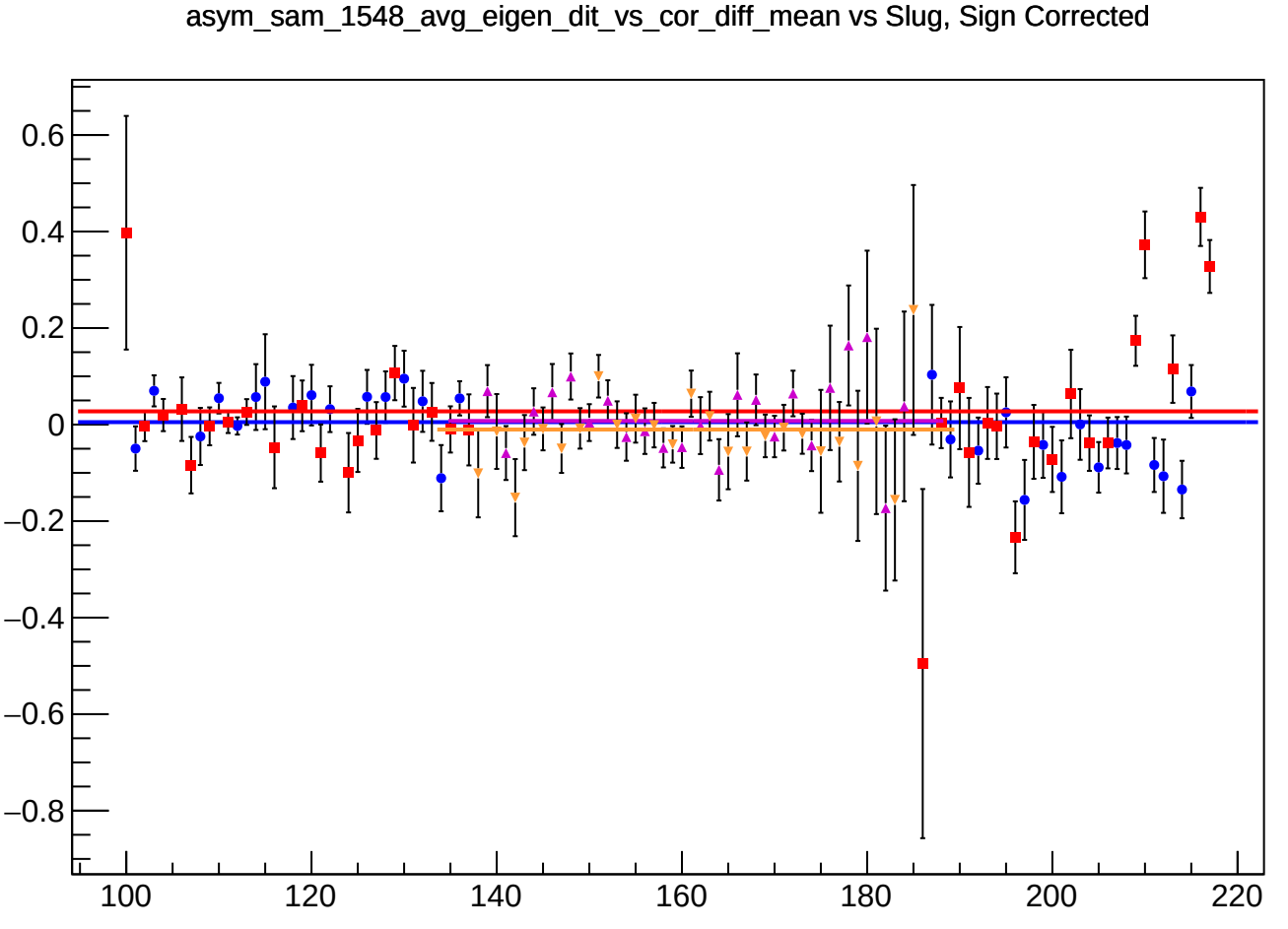
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 24280430.1/66

In: 0.001+/-0.000 χ^2/NDF:17171358.7/53

Out: 0.001+/-0.000 χ^2/NDF:23868598.8/60

All: 0.001+/-0.000 χ^2/NDF: 41831262.0/114



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: 0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

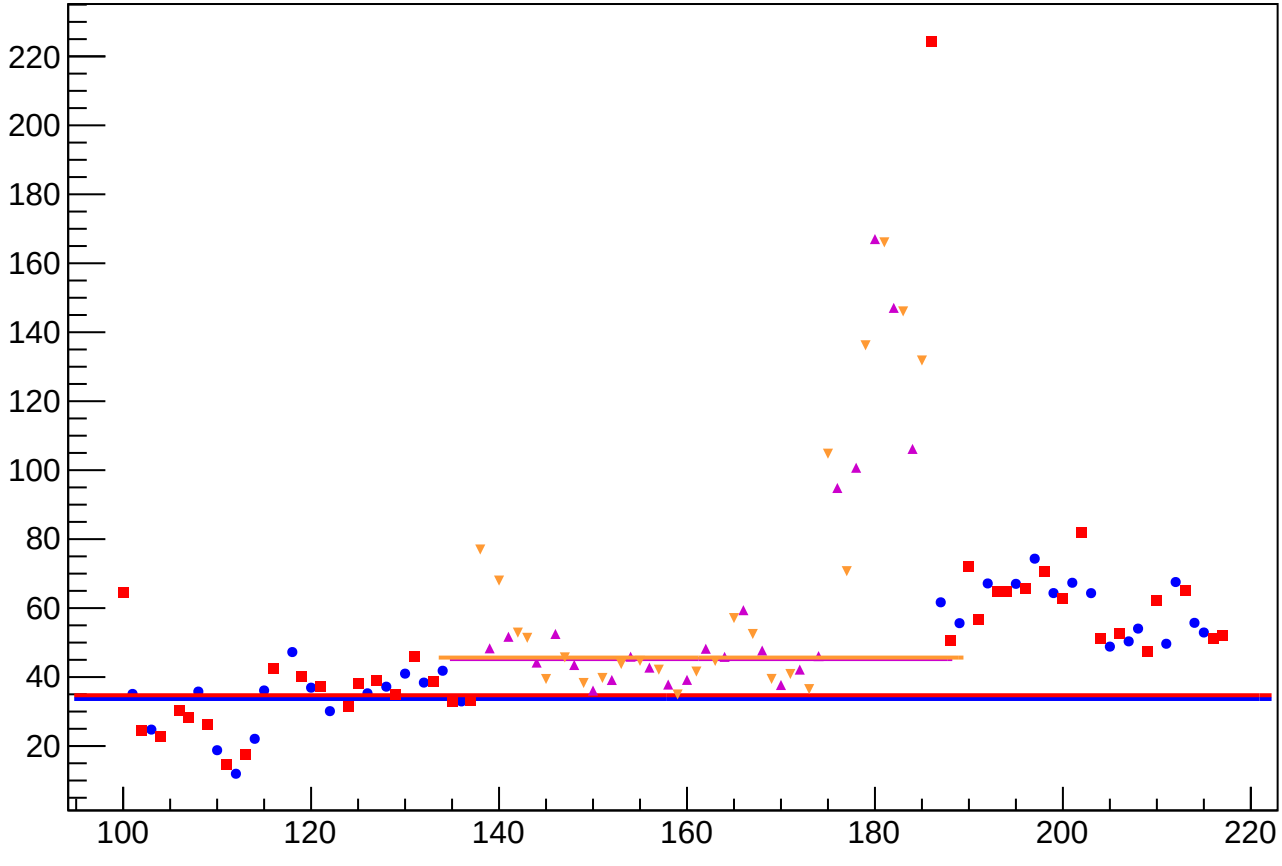
Right: 0.016+/-0.006 χ^2/NDF: 196.8/66

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.013+/-0.007 χ^2/NDF:174.0/60

All: 0.010+/-0.005 χ^2/NDF: 242.4/114

asym_sam_1548_avg_eigen_dit_vs_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: 34.730+/-0.006 χ^2/NDF: 8093602.7/35

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

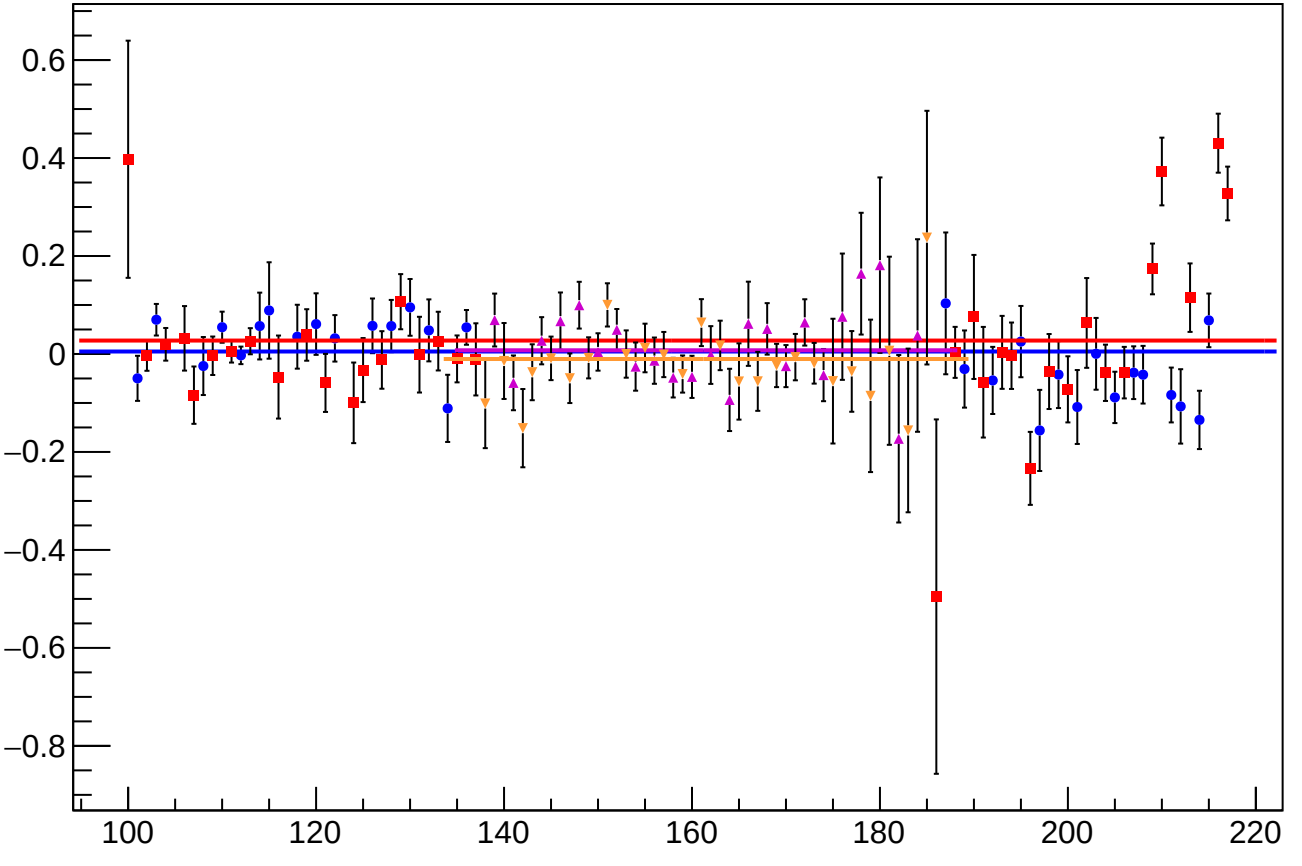
Right: 34.194+/-0.004 χ^2/NDF: 16346423.4/66

In: 37.992+/-0.005 χ^2/NDF:12513143.5/53

Out: 38.847+/-0.005 χ^2/NDF:13277670.9/60

All: 38.424+/-0.003 χ^2/NDF: 25805894.1/114

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.009 χ^2/NDF: 44.5/30

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

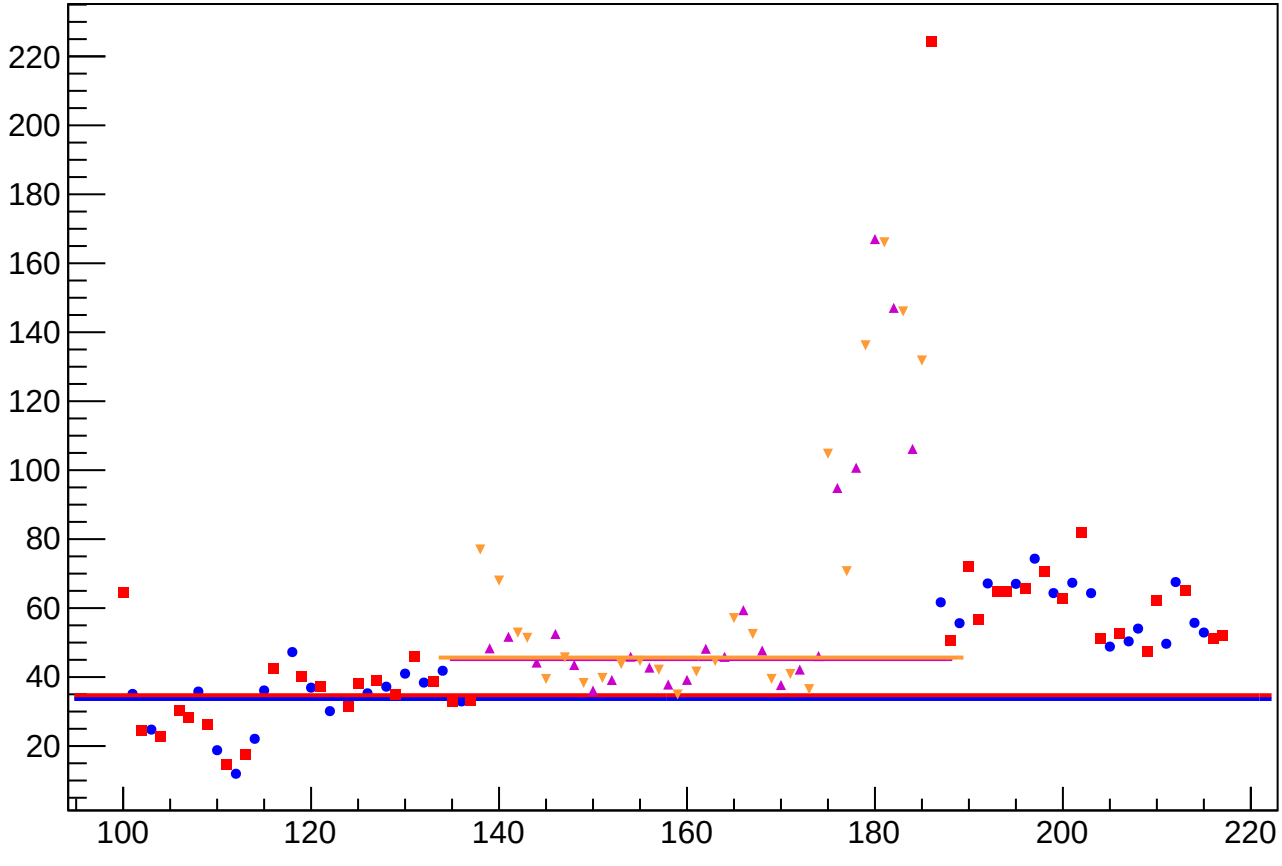
Right: 0.016+/-0.006 χ^2/NDF: 196.8/66

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.013+/-0.007 χ^2/NDF:174.0/60

All: 0.010+/-0.005 χ^2/NDF: 242.4/114

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: 34.730+/-0.006 χ^2/NDF: 8093602.7/35

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

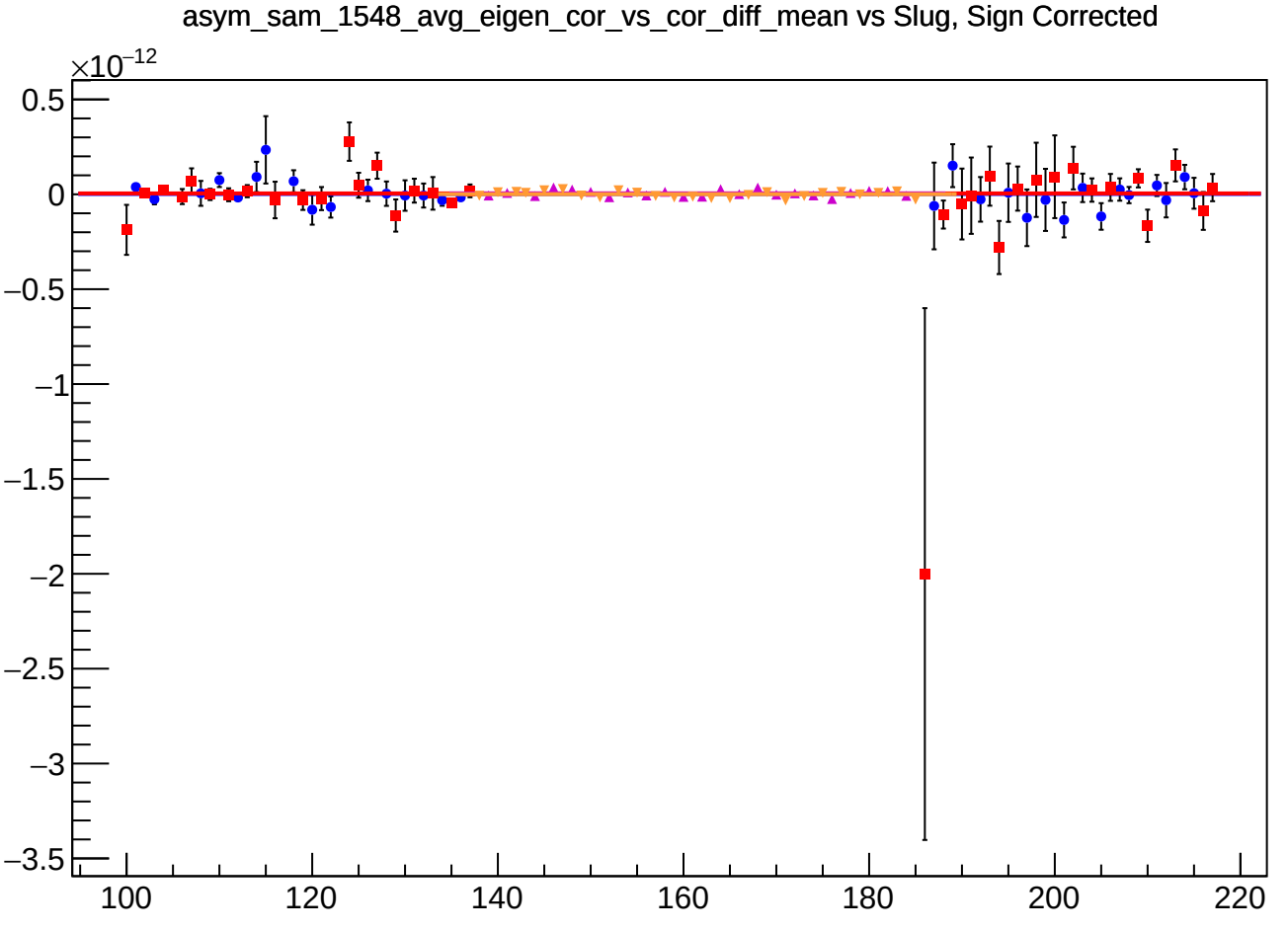
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 34.194+/-0.004 χ^2/NDF: 16346423.4/66

In: 37.992+/-0.005 χ^2/NDF:12513143.5/53

Out: 38.847+/-0.005 χ^2/NDF:13277670.9/60

All: 38.424+/-0.003 χ^2/NDF: 25805894.1/114



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: 45.3/35

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

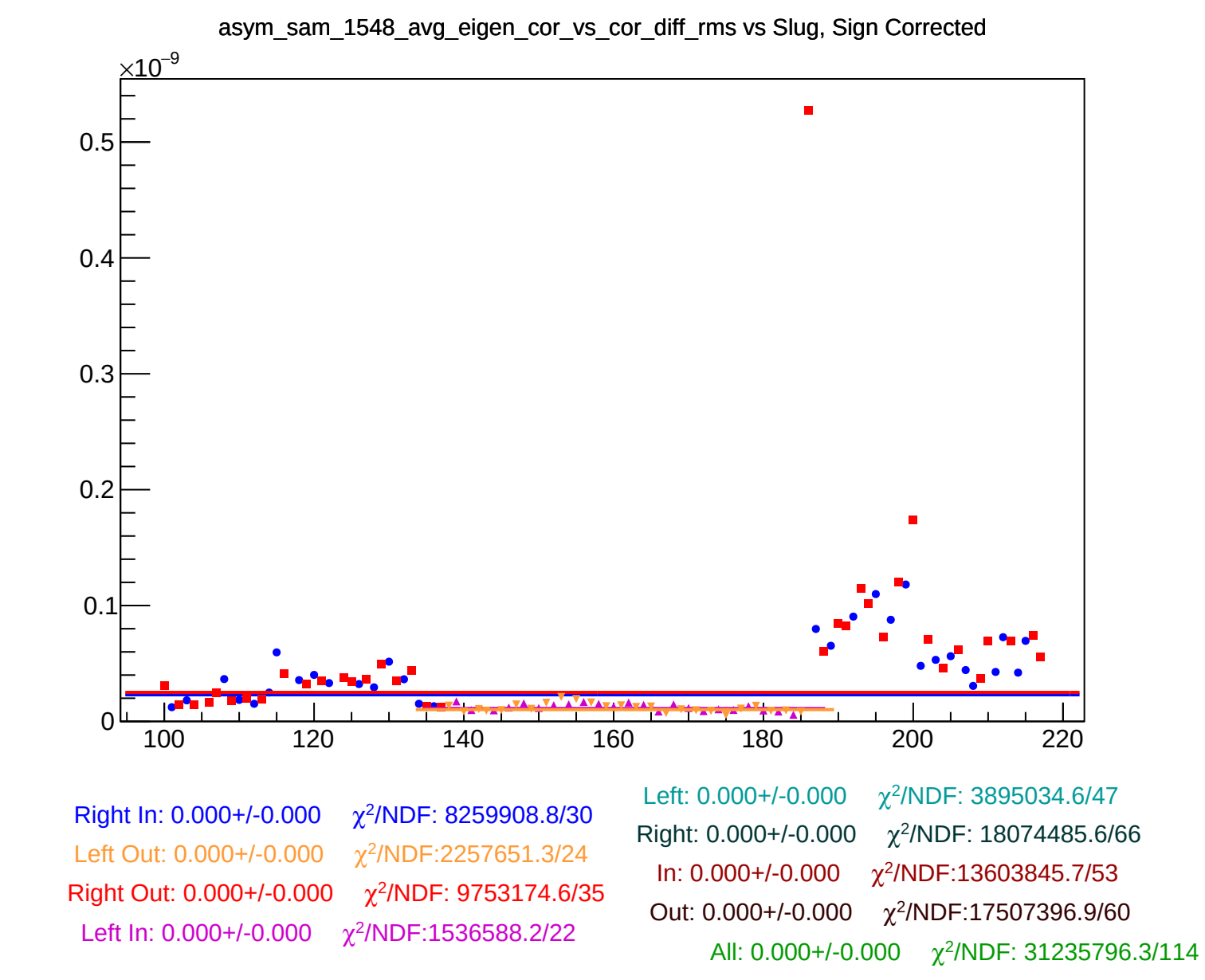
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

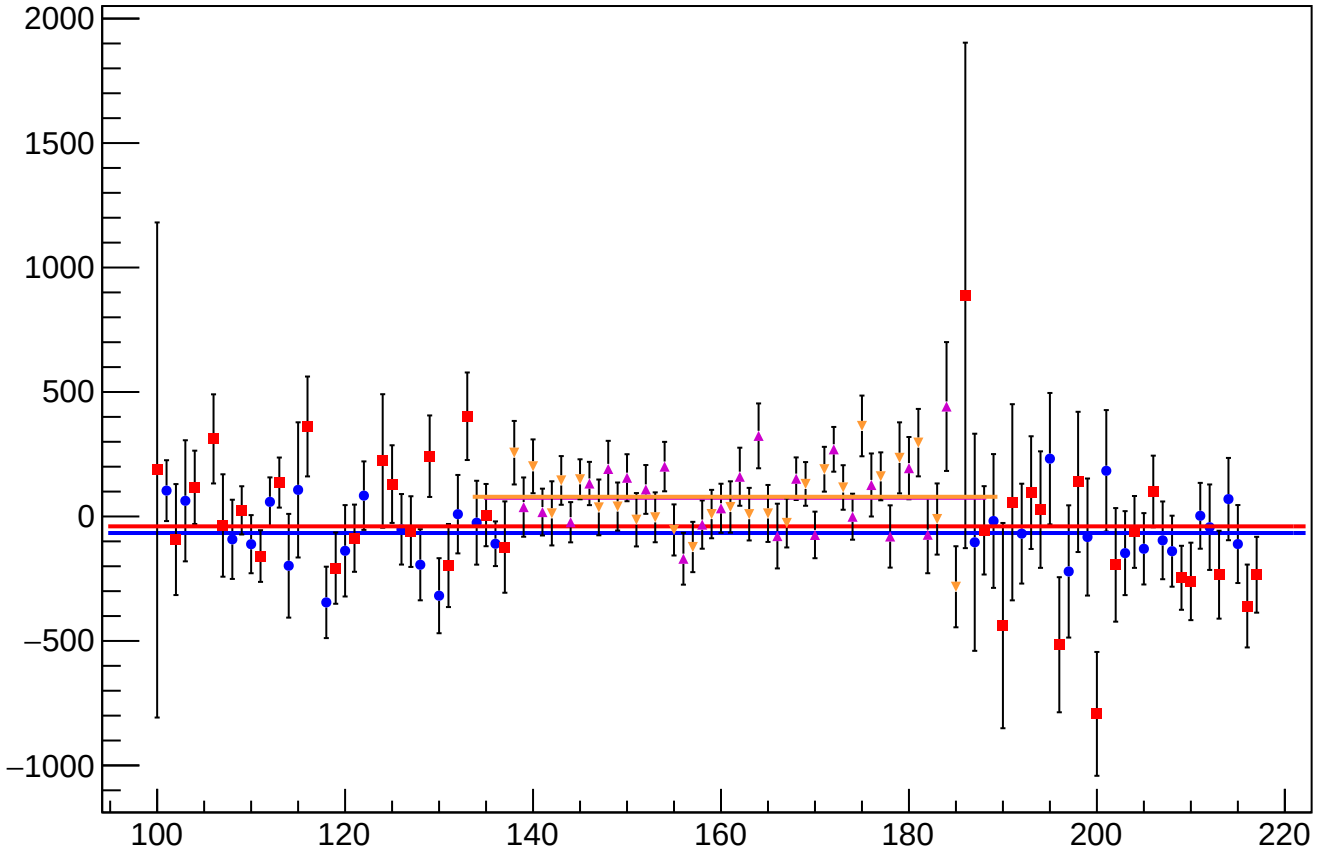
Right: 0.000+/-0.000 χ^2/NDF: 74.9/66

In: 0.000+/-0.000 χ^2/NDF:53.3/53

Out: 0.000+/-0.000 χ^2/NDF:70.9/60

All: 0.000+/-0.000 χ^2/NDF: 124.8/114


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8259908.8/30
Left Out: 0.000+/-0.000 χ²/NDF:2257651.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 9753174.6/35
Left In: 0.000+/-0.000 χ²/NDF:1536588.2/22
Left: 0.000+/-0.000 χ²/NDF: 3895034.6/47
Right: 0.000+/-0.000 χ²/NDF: 18074485.6/66
In: 0.000+/-0.000 χ²/NDF:13603845.7/53
Out: 0.000+/-0.000 χ²/NDF:17507396.9/60
All: 0.000+/-0.000 χ²/NDF: 31235796.3/114



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: -39.681+/-27.664 χ^2/NDF: 55.6/35

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

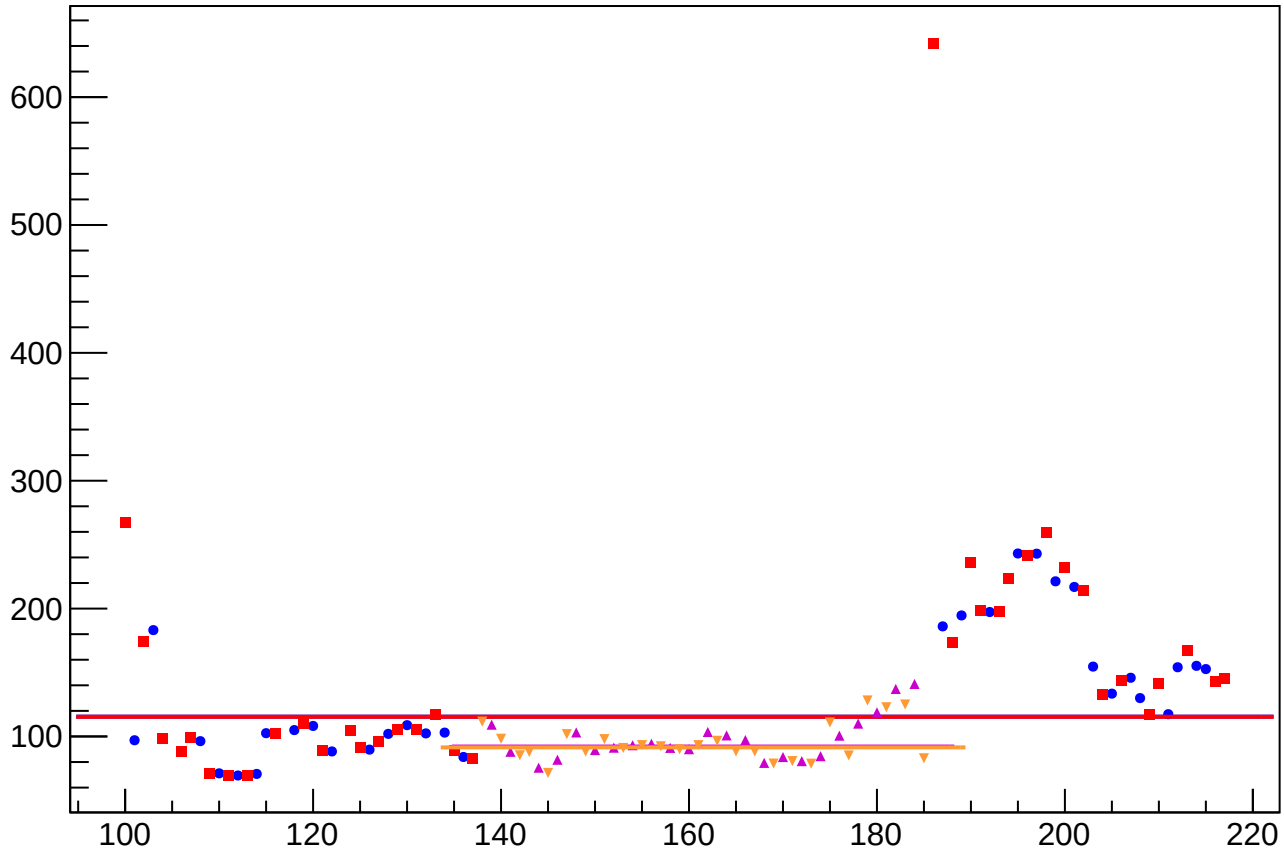
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -52.816+/-19.737 χ^2/NDF: 74.6/66

In: 21.934+/-17.258 χ^2/NDF:67.0/53

Out: 35.407+/-16.778 χ^2/NDF:99.2/60

All: 28.861+/-12.030 χ^2/NDF: 166.5/114



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: 115.387+/-0.020 χ^2/NDF: 5789790.3/35

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

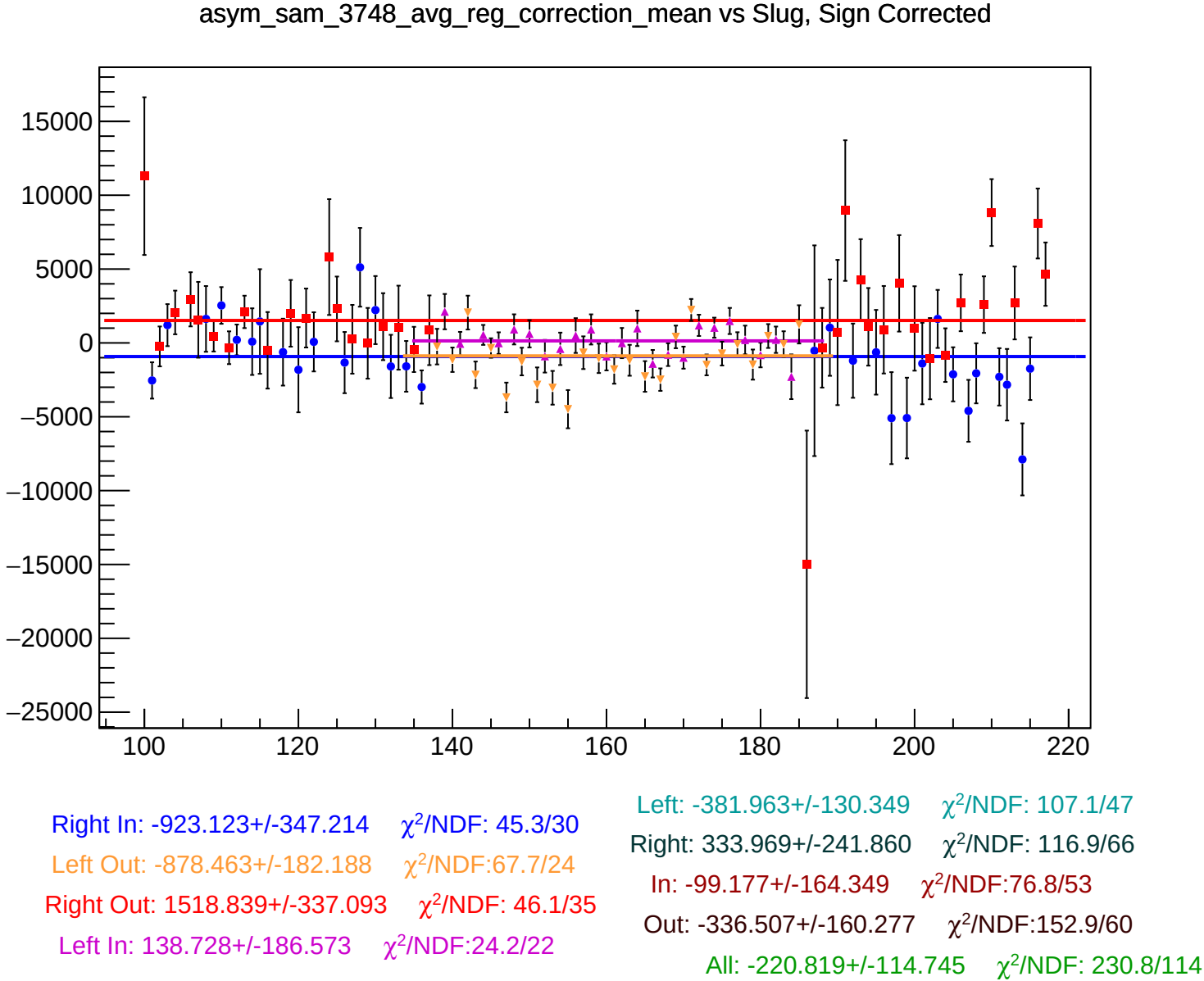
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

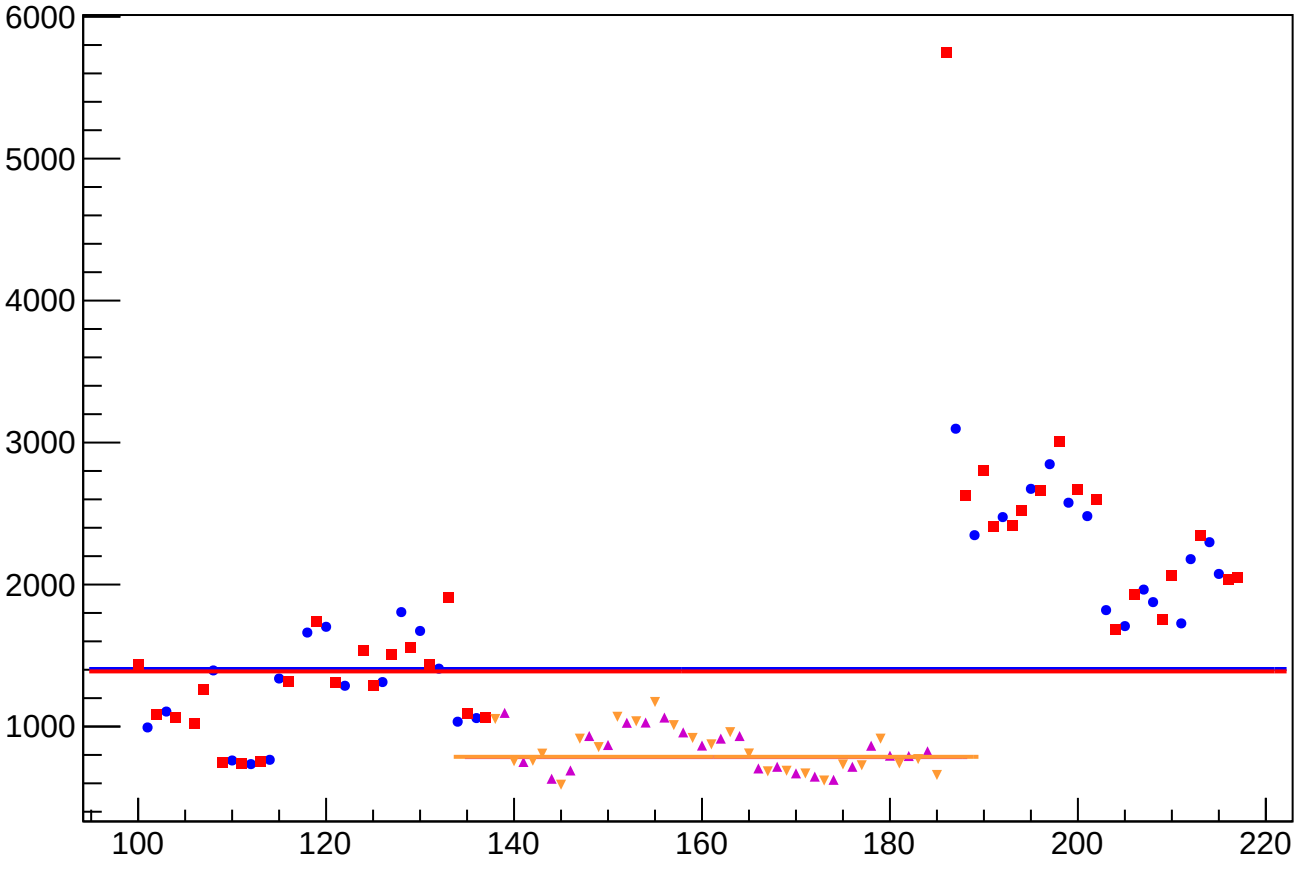
Right: 115.439+/-0.014 χ^2/NDF: 10099099.9/66

In: 100.882+/-0.012 χ^2/NDF:5870449.8/53

Out: 100.262+/-0.012 χ^2/NDF:7486697.1/60

All: 100.563+/-0.009 χ^2/NDF: 13358473.1/11


asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -923.123+/-347.214 χ²/NDF: 45.3/30
Left Out: -878.463+/-182.188 χ²/NDF:67.7/24
Right Out: 1518.839+/-337.093 χ²/NDF: 46.1/35
Left In: 138.728+/-186.573 χ²/NDF:24.2/22
Left: -381.963+/-130.349 χ²/NDF: 107.1/47
Right: 333.969+/-241.860 χ²/NDF: 116.9/66
In: -99.177+/-164.349 χ²/NDF:76.8/53
Out: -336.507+/-160.277 χ²/NDF:152.9/60
All: -220.819+/-114.745 χ²/NDF: 230.8/114



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: 1388.285+/-0.238 χ^2/NDF: 7193365.8/35

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

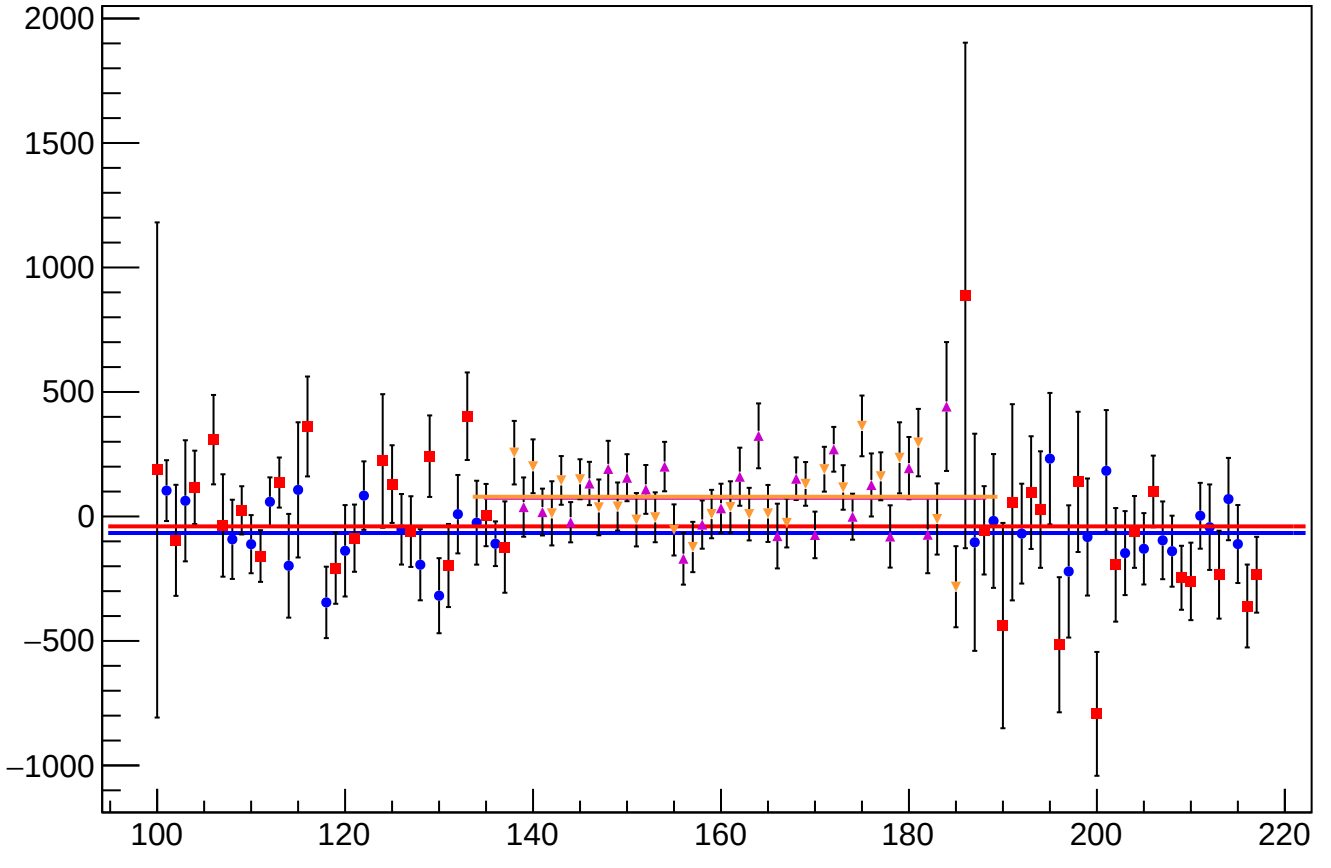
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1396.525+/-0.171 χ^2/NDF: 12705534.3/66

In: 923.839+/-0.116 χ^2/NDF:11528647.9/53

Out: 922.745+/-0.113 χ^2/NDF:13333071.0/60

All: 923.278+/-0.081 χ^2/NDF: 24861764.3/11



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: -39.851+/-27.666 χ^2/NDF: 55.5/35

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

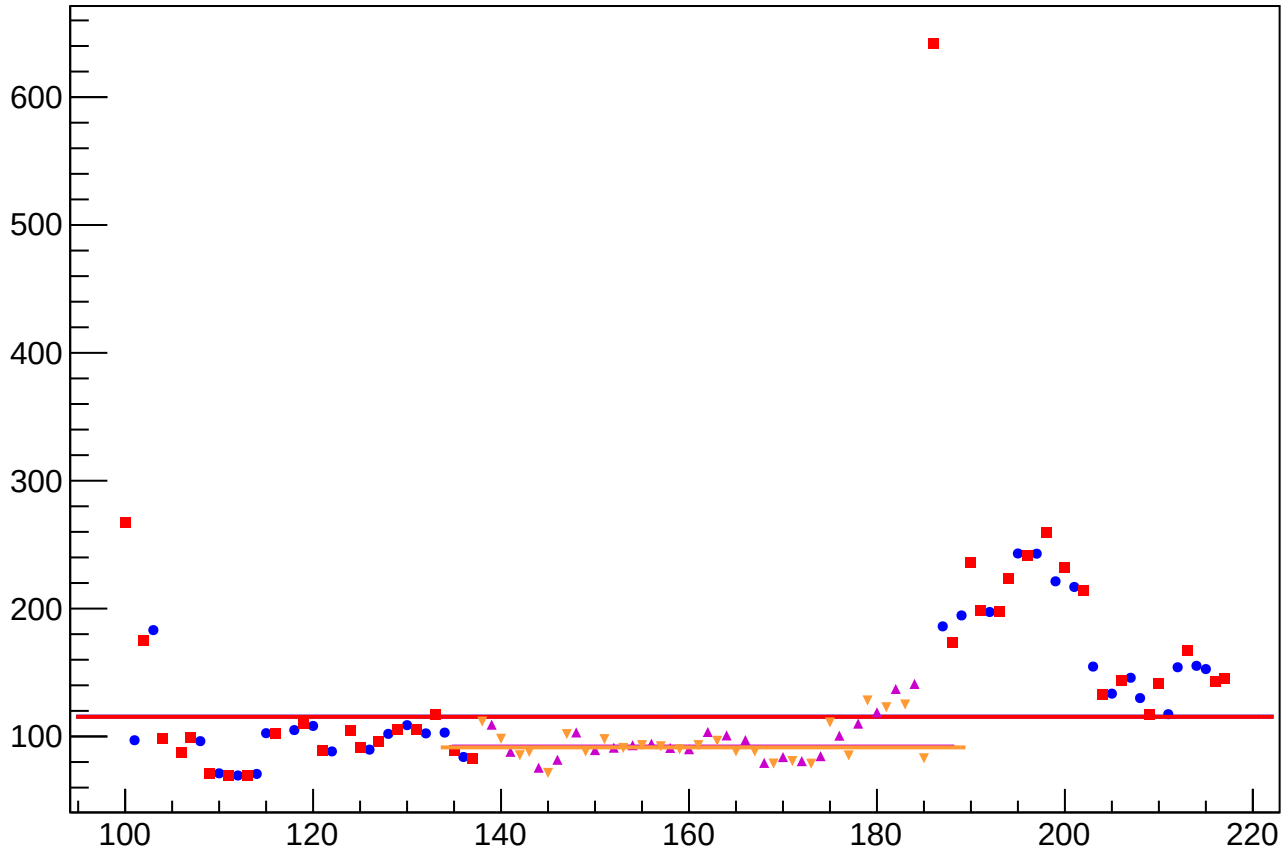
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -52.909+/-19.738 χ^2/NDF: 74.5/66

In: 21.931+/-17.258 χ^2/NDF:67.0/53

Out: 35.354+/-16.779 χ^2/NDF:99.2/60

All: 28.832+/-12.030 χ^2/NDF: 166.4/114



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: 115.360+/-0.020 χ^2/NDF: 5794200.4/35

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

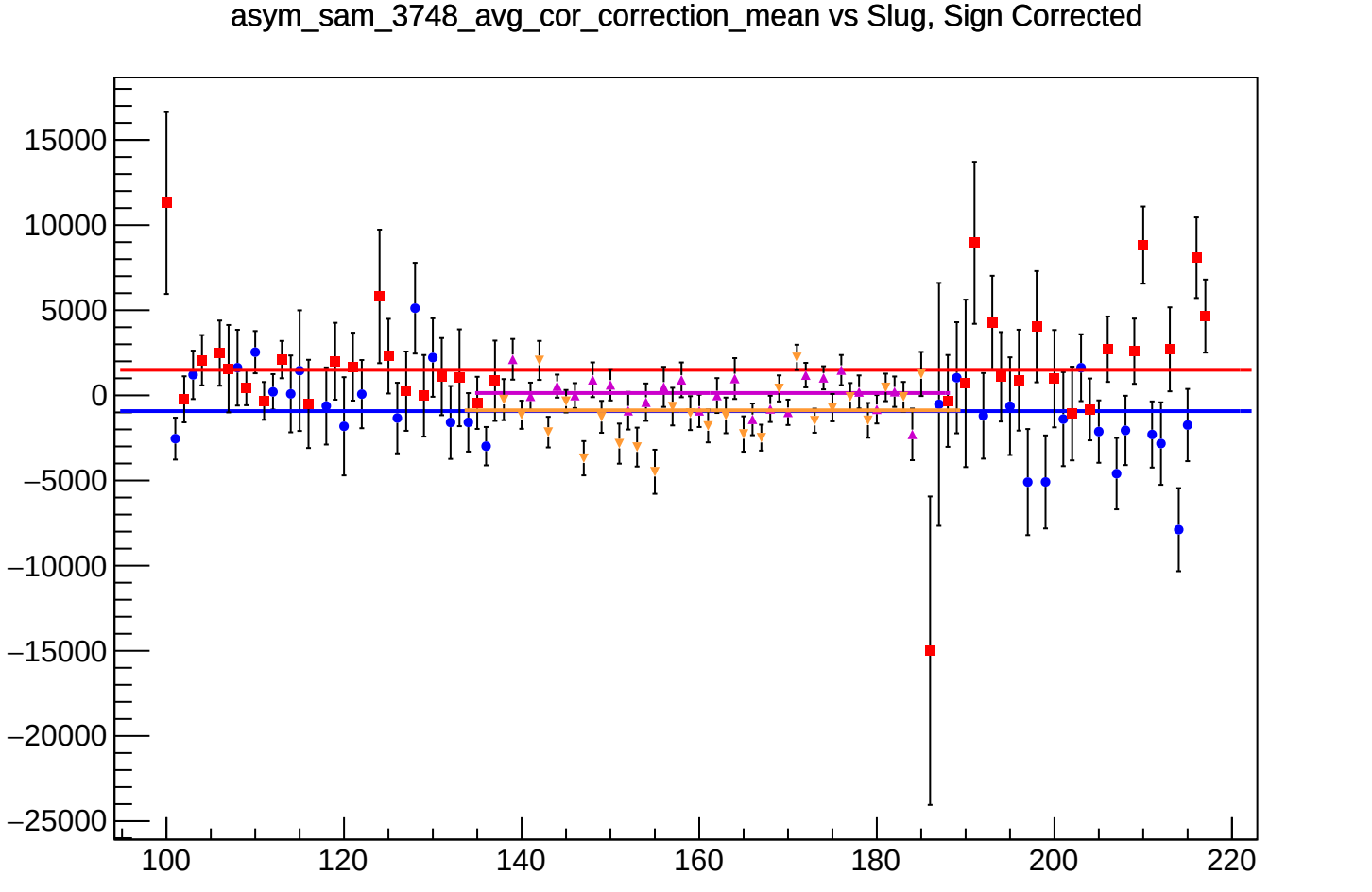
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 115.425+/-0.014 χ^2/NDF: 10103521.1/66

In: 100.882+/-0.012 χ^2/NDF:5870452.9/53

Out: 100.251+/-0.012 χ^2/NDF:7488884.2/60

All: 100.558+/-0.009 χ^2/NDF: 13360709.9/1



Right In: -923.144+/-347.216 χ^2/NDF: 45.3/30

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1500.786+/-337.573 χ^2/NDF: 45.7/35

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

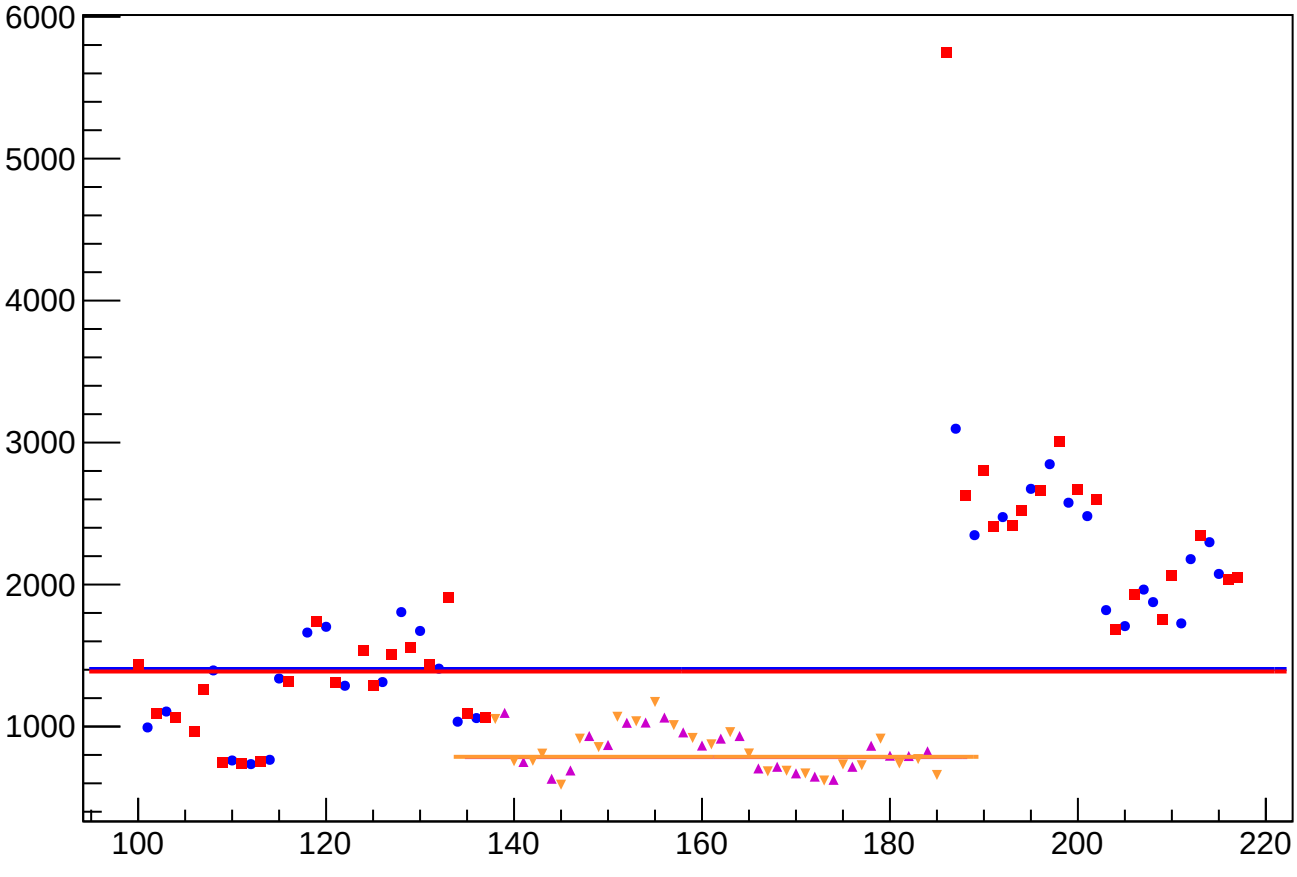
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 322.947+/-242.038 χ^2/NDF: 116.1/66

In: -99.178+/-164.349 χ^2/NDF:76.8/53

Out: -341.766+/-160.328 χ^2/NDF:151.9/60

All: -223.476+/-114.764 χ^2/NDF: 229.8/114



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: 1387.597+/-0.239 χ^2/NDF: 7210666.9/35

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

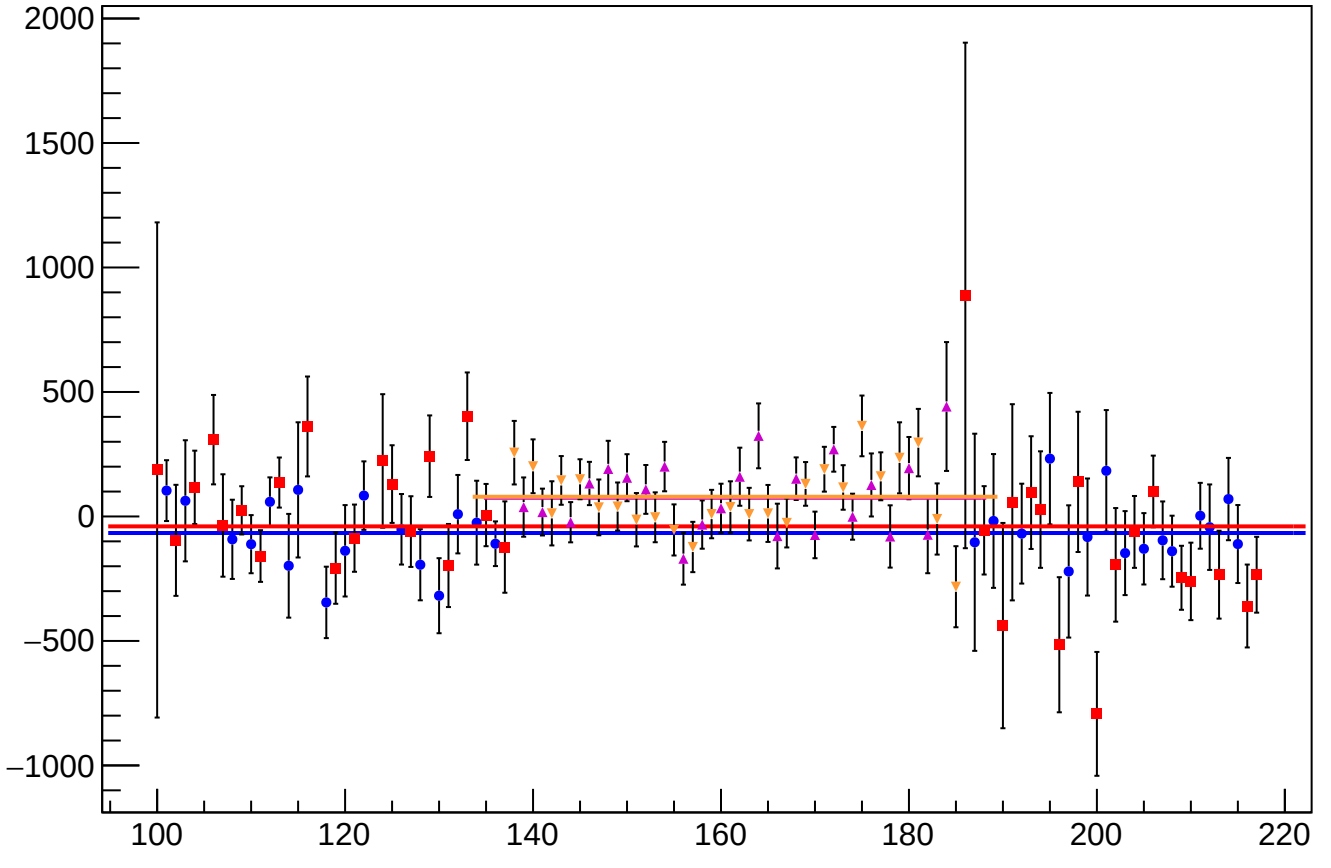
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1396.188+/-0.171 χ^2/NDF: 12722962.2/66

In: 923.841+/-0.116 χ^2/NDF:11528678.6/53

Out: 922.290+/-0.113 χ^2/NDF:13328281.8/60

All: 923.046+/-0.081 χ^2/NDF: 24857051.7/11



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: -39.851+/-27.666 χ^2/NDF: 55.5/35

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

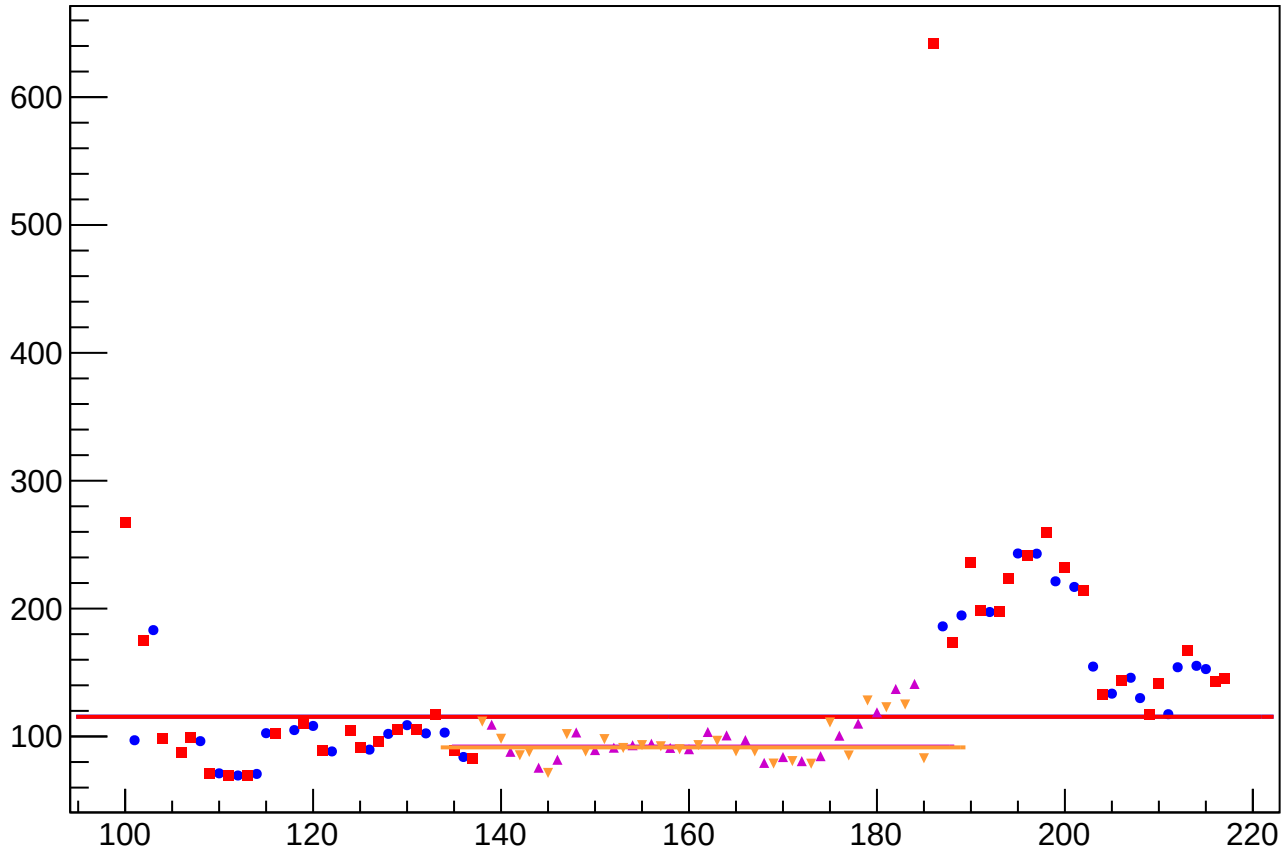
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -52.909+/-19.738 χ^2/NDF: 74.5/66

In: 21.931+/-17.258 χ^2/NDF:67.0/53

Out: 35.354+/-16.779 χ^2/NDF:99.2/60

All: 28.832+/-12.030 χ^2/NDF: 166.4/114



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: 115.360+/-0.020 χ^2/NDF: 5794200.4/35

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

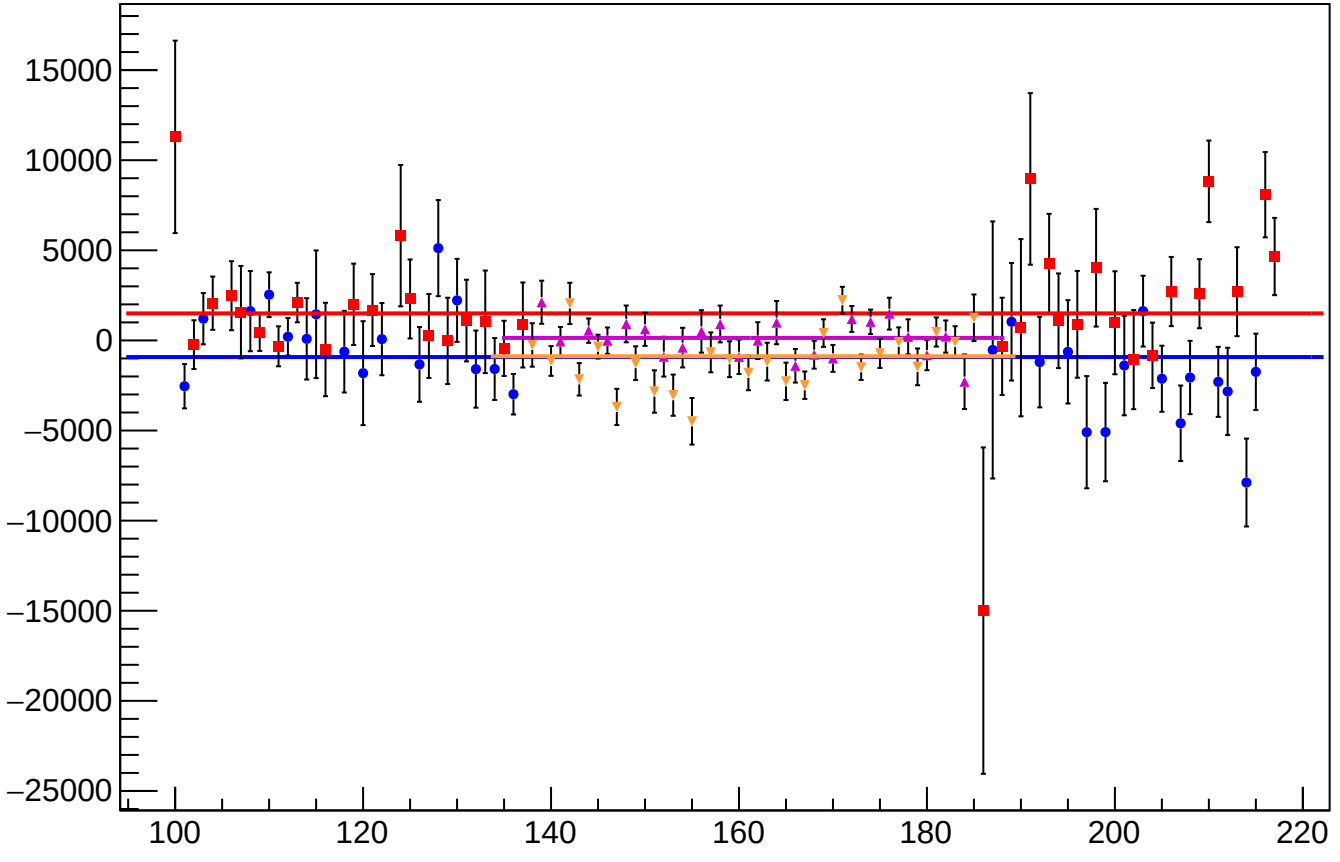
Right: 115.425+/-0.014 χ^2/NDF: 10103521.1/66

In: 100.882+/-0.012 χ^2/NDF:5870452.9/53

Out: 100.251+/-0.012 χ^2/NDF:7488884.2/60

All: 100.558+/-0.009 χ^2/NDF: 13360709.9/1

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: 1500.786+/-337.573 χ^2/NDF: 45.7/35

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

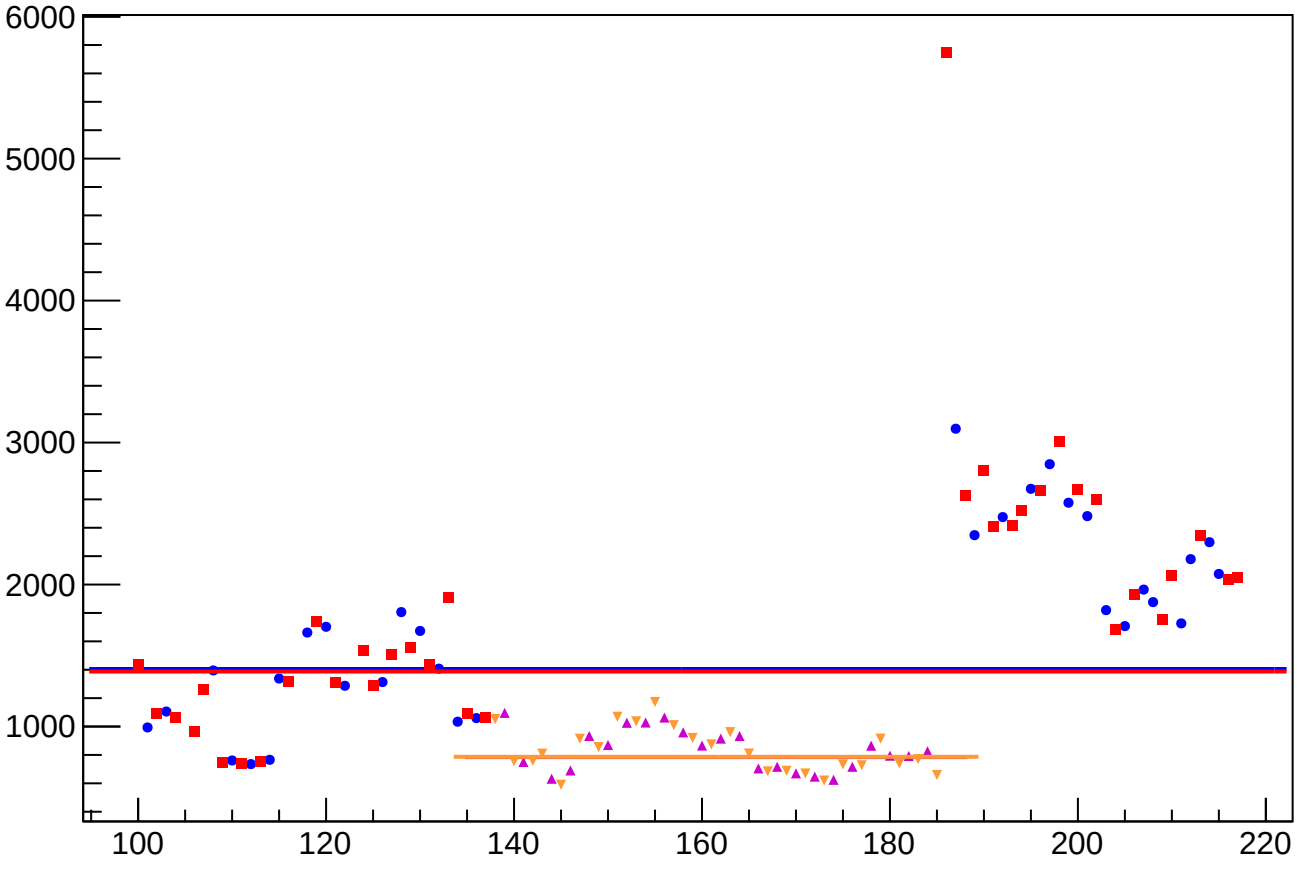
Right: 322.947+/-242.038 χ^2/NDF: 116.1/66

In: -99.178+/-164.349 χ^2/NDF:76.8/53

Out: -341.766+/-160.328 χ^2/NDF:151.9/60

All: -223.476+/-114.764 χ^2/NDF: 229.8/114

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1387.597+/-0.239 χ^2/NDF: 7210666.9/35

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

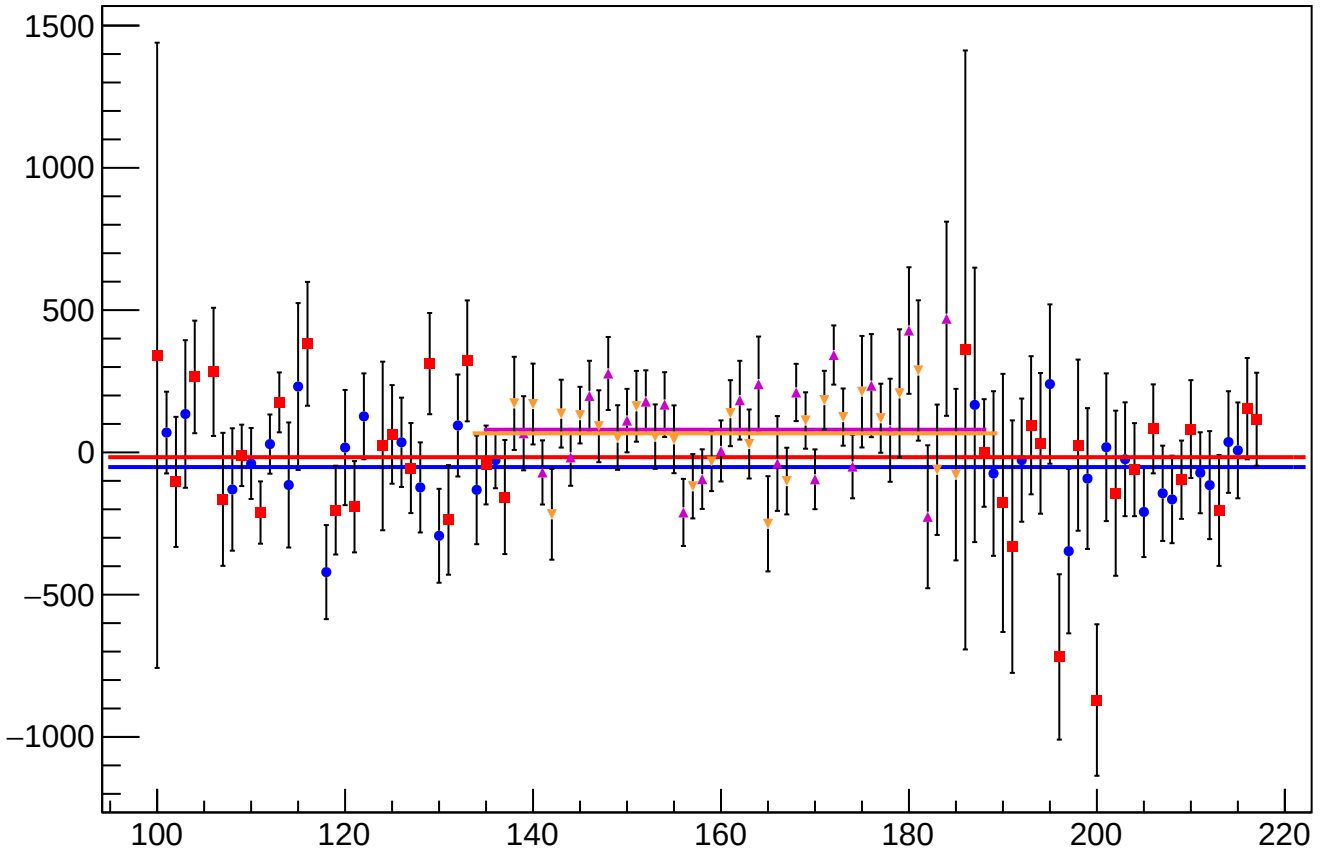
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1396.188+/-0.171 χ^2/NDF: 12722962.2/66

In: 923.841+/-0.116 χ^2/NDF:11528678.6/53

Out: 922.290+/-0.113 χ^2/NDF:13328281.8/60

All: 923.046+/-0.081 χ^2/NDF: 24857051.7/11



Right In: -51.560+/-31.043 χ^2/NDF: 17.8/30

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -16.781+/-30.601 χ^2/NDF: 46.0/35

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

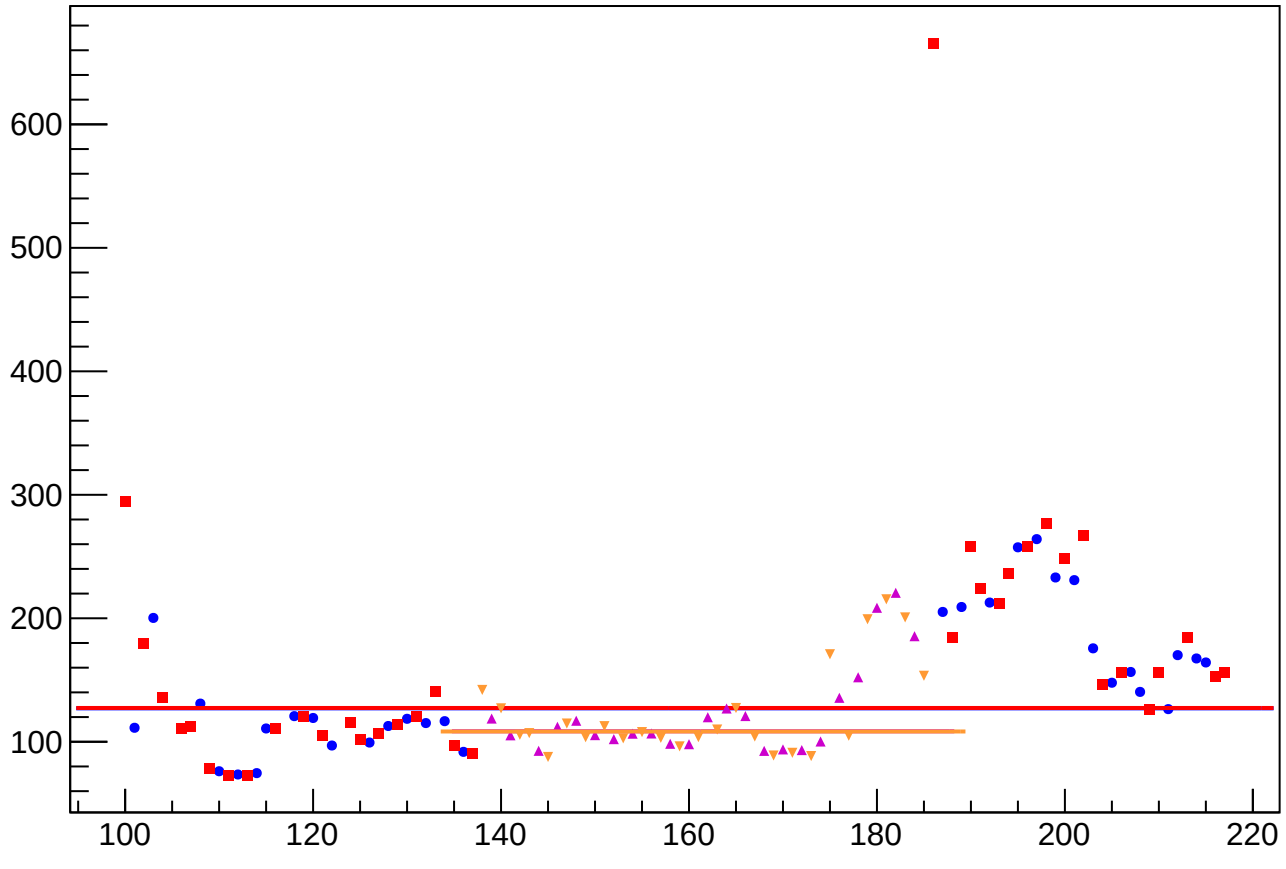
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -33.921+/-21.793 χ^2/NDF: 64.5/66

In: 24.895+/-20.066 χ^2/NDF:65.2/53

Out: 32.471+/-19.628 χ^2/NDF:70.0/60

All: 28.767+/-14.031 χ^2/NDF: 135.3/114



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: 127.370+/-0.022 χ^2/NDF: 5733451.9/35

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

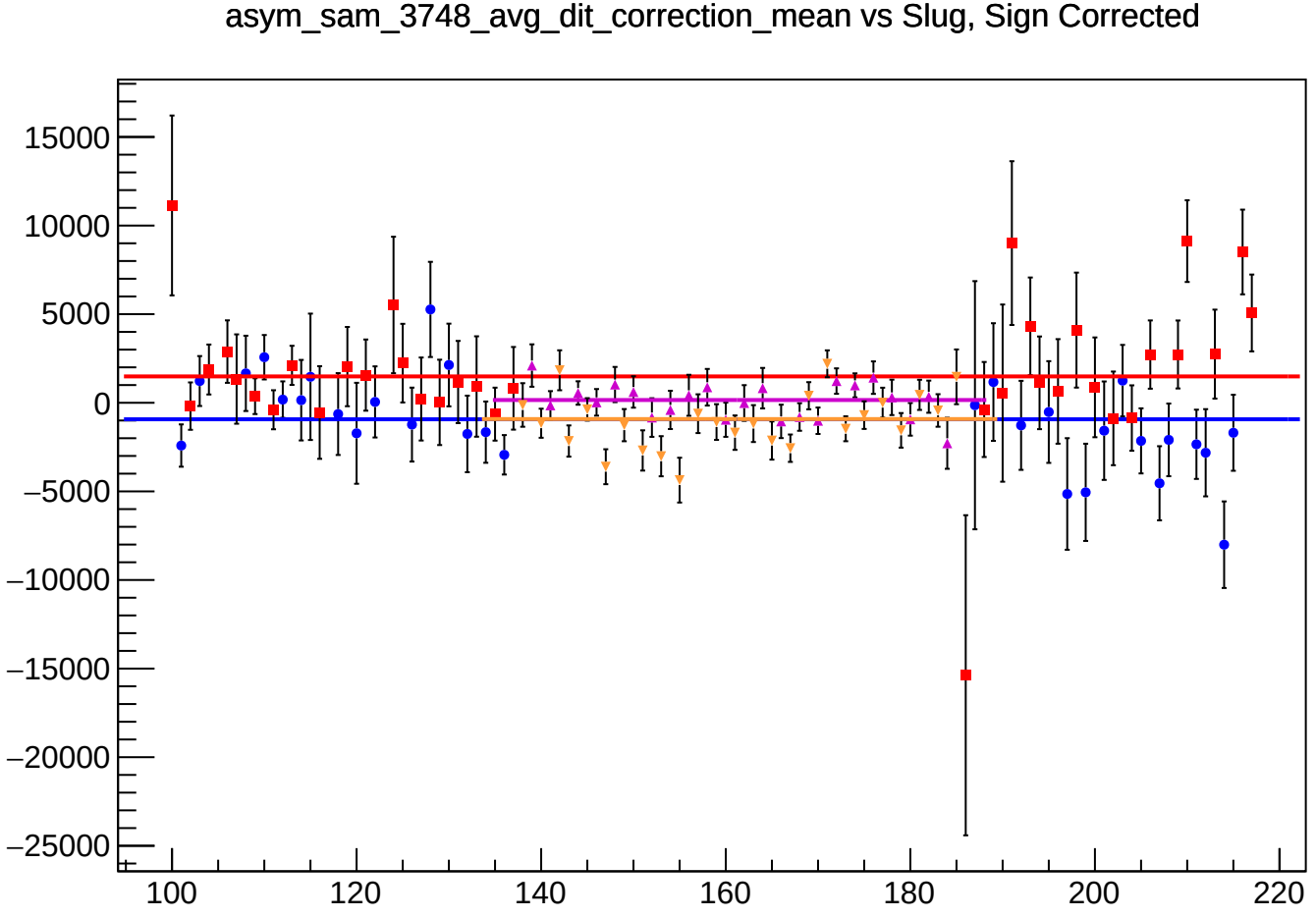
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 127.216+/-0.015 χ^2/NDF: 9970530.1/66

In: 116.249+/-0.014 χ^2/NDF:6032819.0/53

Out: 116.163+/-0.014 χ^2/NDF:7963786.4/60

All: 116.205+/-0.010 χ^2/NDF: 13996624.2/11



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: 1487.560+/-334.550 χ^2/NDF: 49.4/35

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

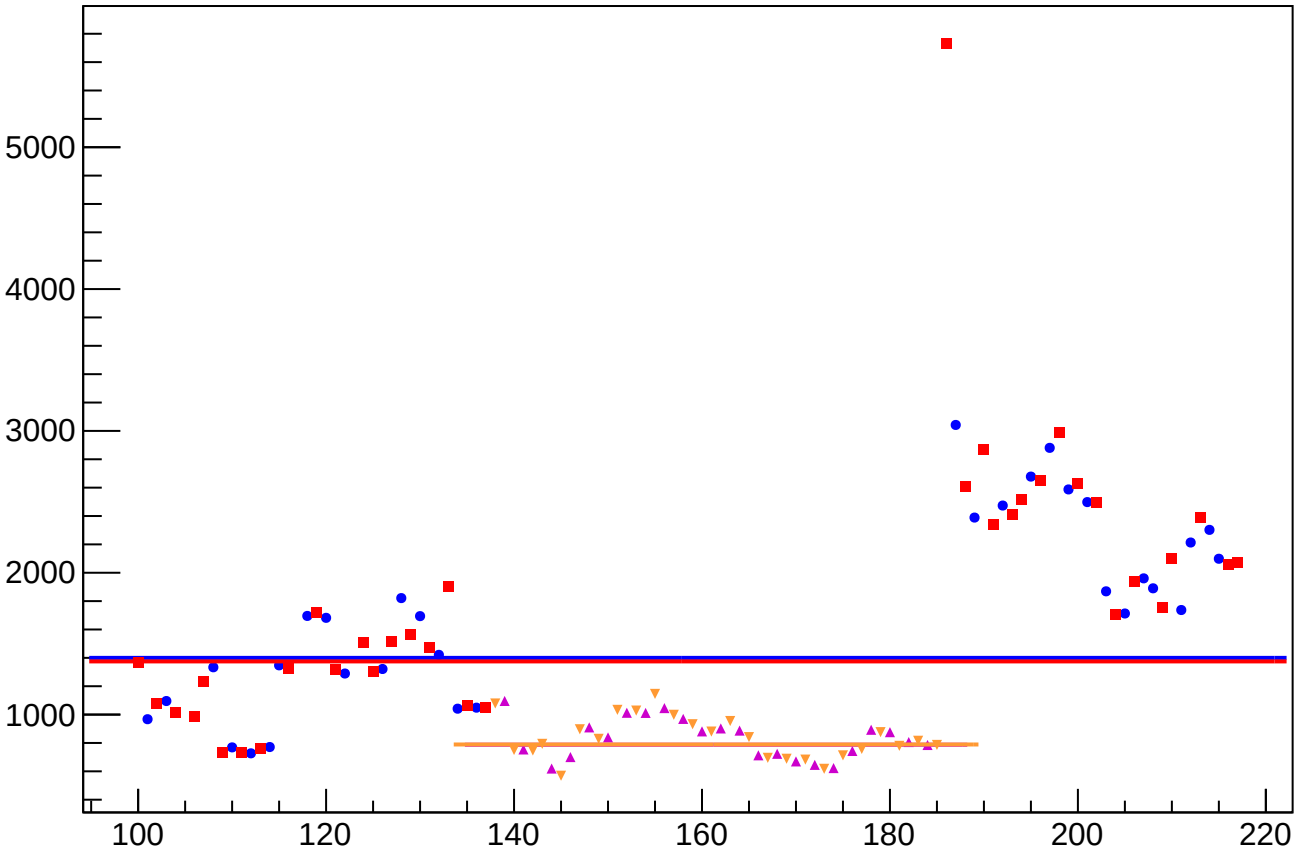
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 320.777+/-240.709 χ^2/NDF: 119.7/66

In: -89.535+/-164.653 χ^2/NDF:75.8/53

Out: -367.069+/-160.186 χ^2/NDF:153.4/60

All: -232.118+/-114.816 χ^2/NDF: 230.6/114



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: 1374.922+/-0.237 χ^2/NDF: 7354284.7/35

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

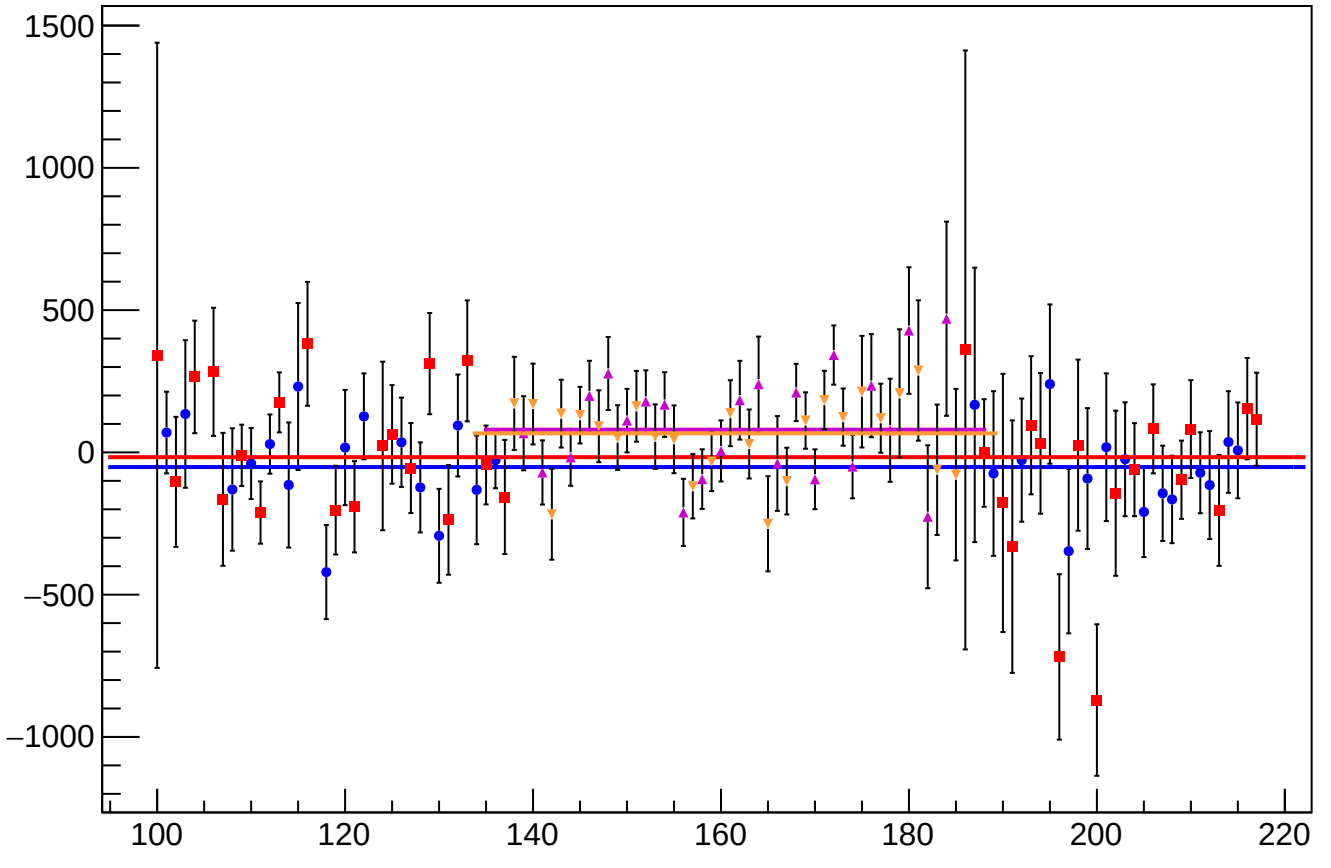
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1386.982+/-0.170 χ^2/NDF: 13029617.8/66

In: 925.627+/-0.116 χ^2/NDF:11548216.8/53

Out: 923.521+/-0.113 χ^2/NDF:13255254.0/60

All: 924.545+/-0.081 χ^2/NDF: 24803639.0/11



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: -16.783+/-30.601 χ^2/NDF: 46.0/35

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

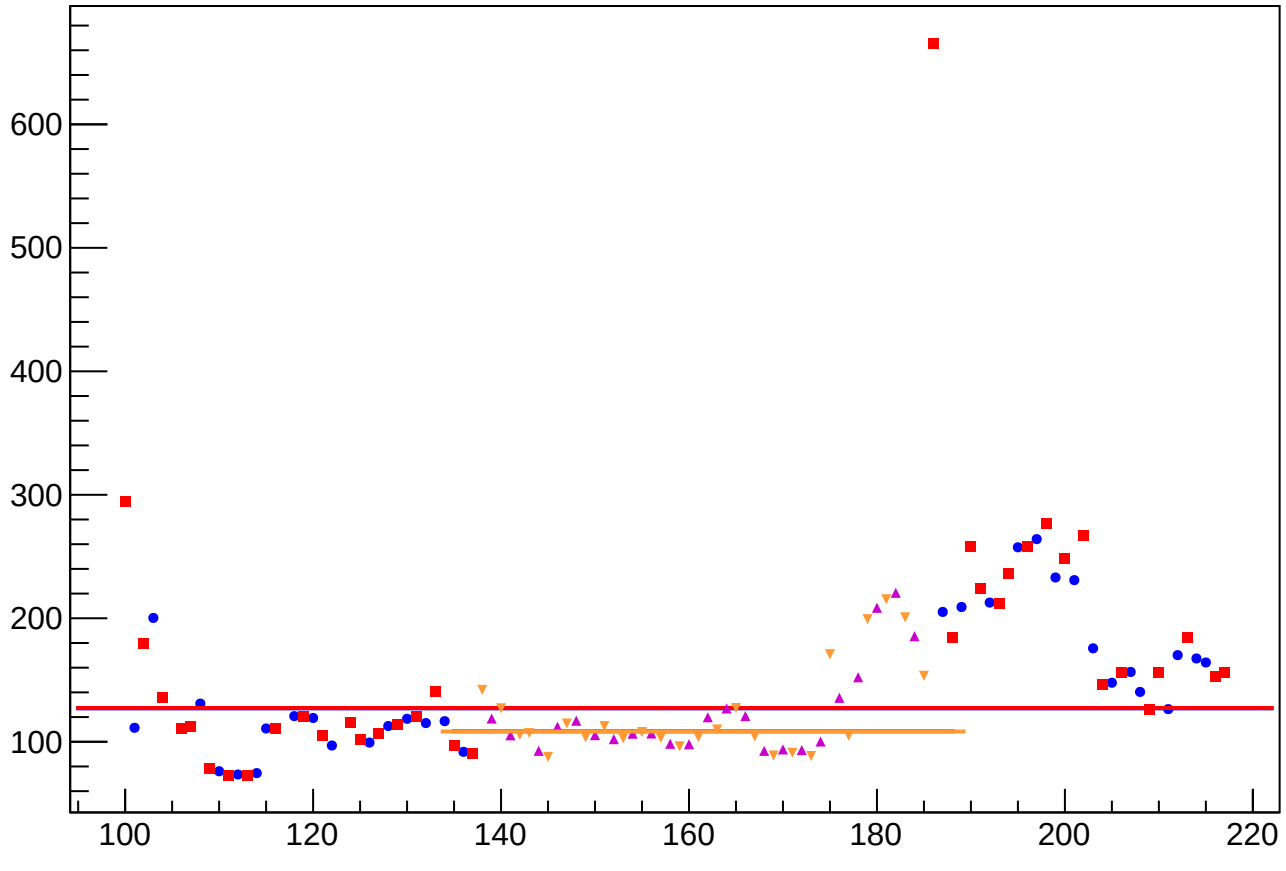
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -33.921+/-21.793 χ^2/NDF: 64.5/66

In: 24.896+/-20.066 χ^2/NDF:65.2/53

Out: 32.470+/-19.628 χ^2/NDF:70.0/60

All: 28.767+/-14.031 χ^2/NDF: 135.3/114



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: 127.370+/-0.022 χ^2/NDF: 5733449.6/35

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

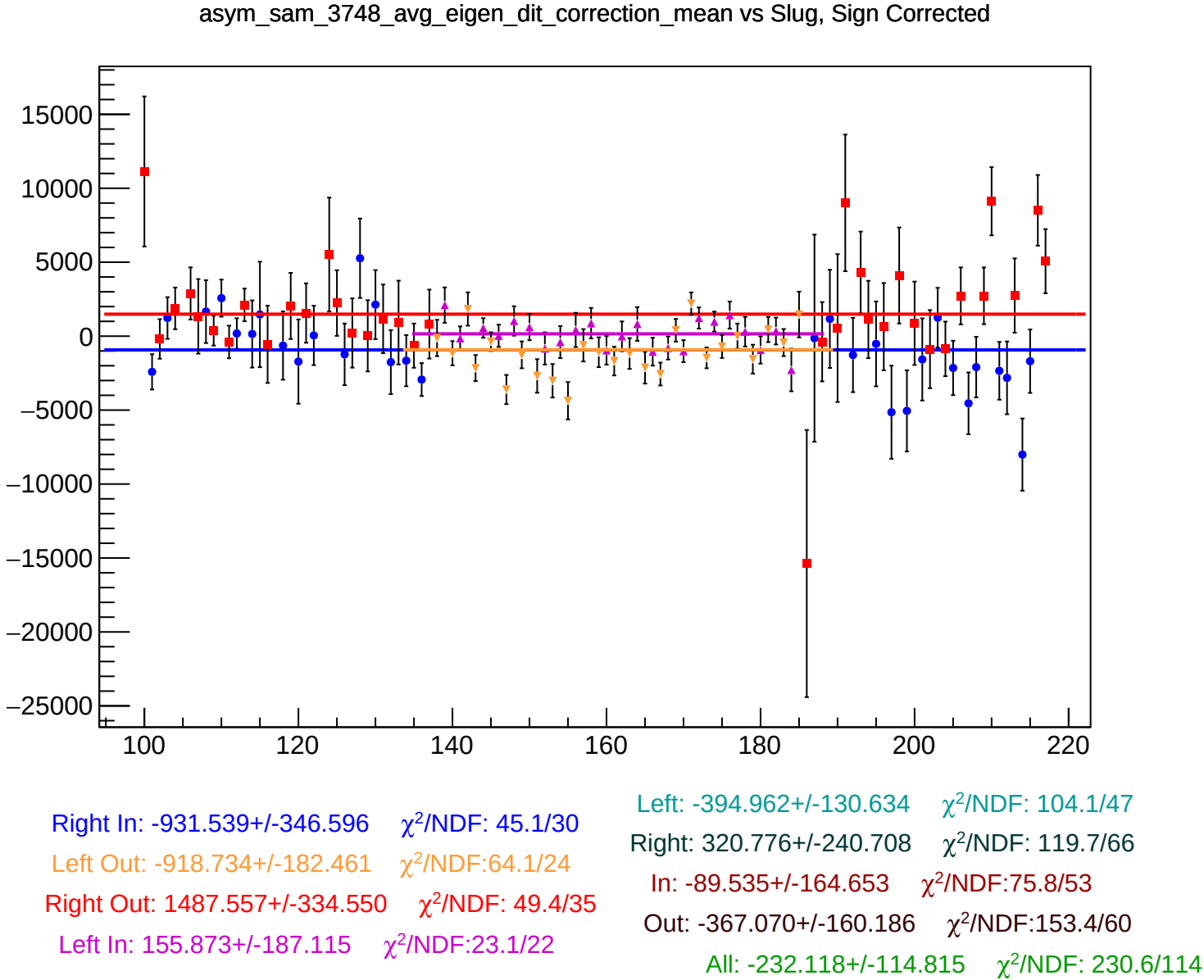
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 127.216+/-0.015 χ^2/NDF: 9970510.9/66

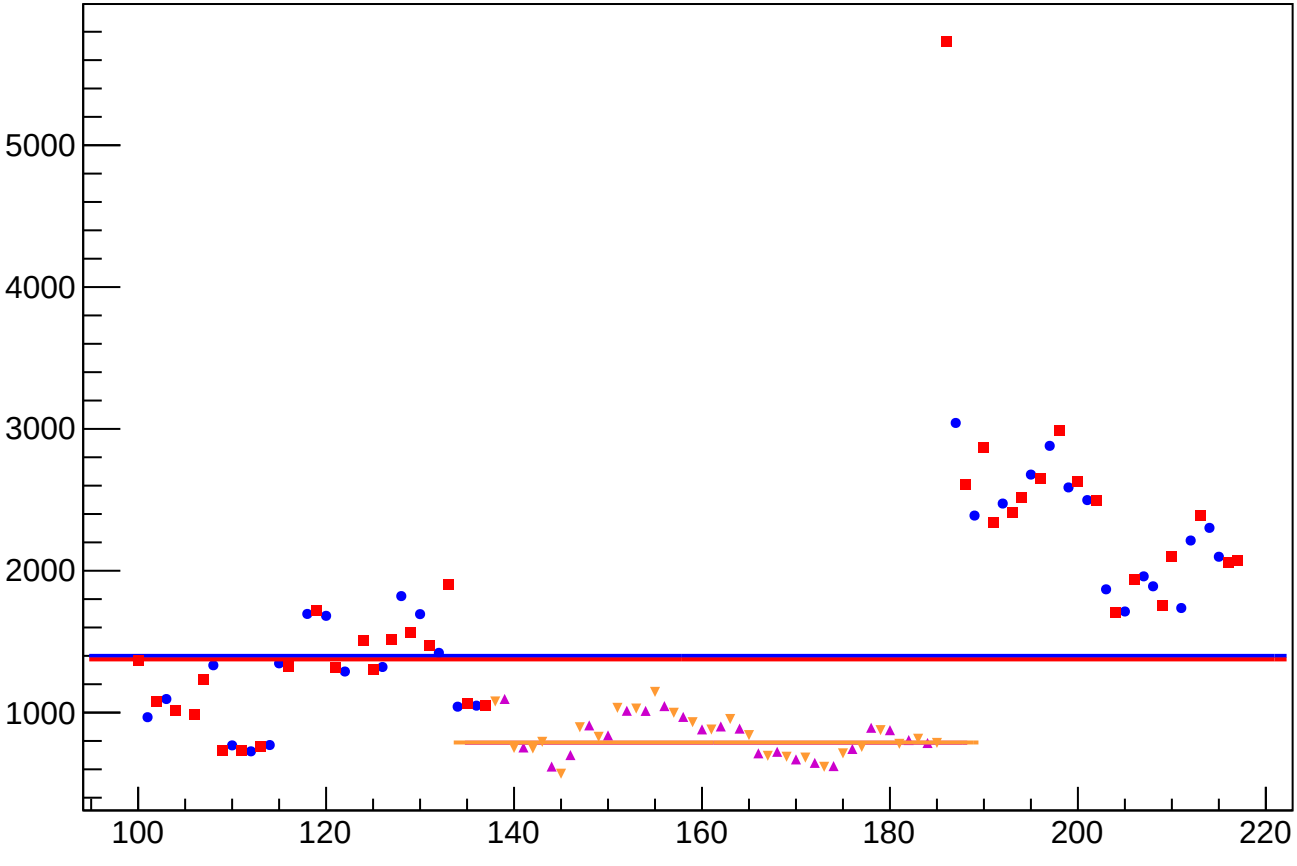
In: 116.250+/-0.014 χ^2/NDF:6032774.1/53

Out: 116.164+/-0.014 χ^2/NDF:7963768.9/60

All: 116.206+/-0.010 χ^2/NDF: 13996561.8/1


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -931.539+/-346.596 χ²/NDF: 45.1/30
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 1487.557+/-334.550 χ²/NDF: 49.4/35
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 320.776+/-240.708 χ²/NDF: 119.7/66
In: -89.535+/-164.653 χ²/NDF:75.8/53
Out: -367.070+/-160.186 χ²/NDF:153.4/60
All: -232.118+/-114.815 χ²/NDF: 230.6/114

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1374.920+/-0.237 χ^2/NDF: 7354294.2/35

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

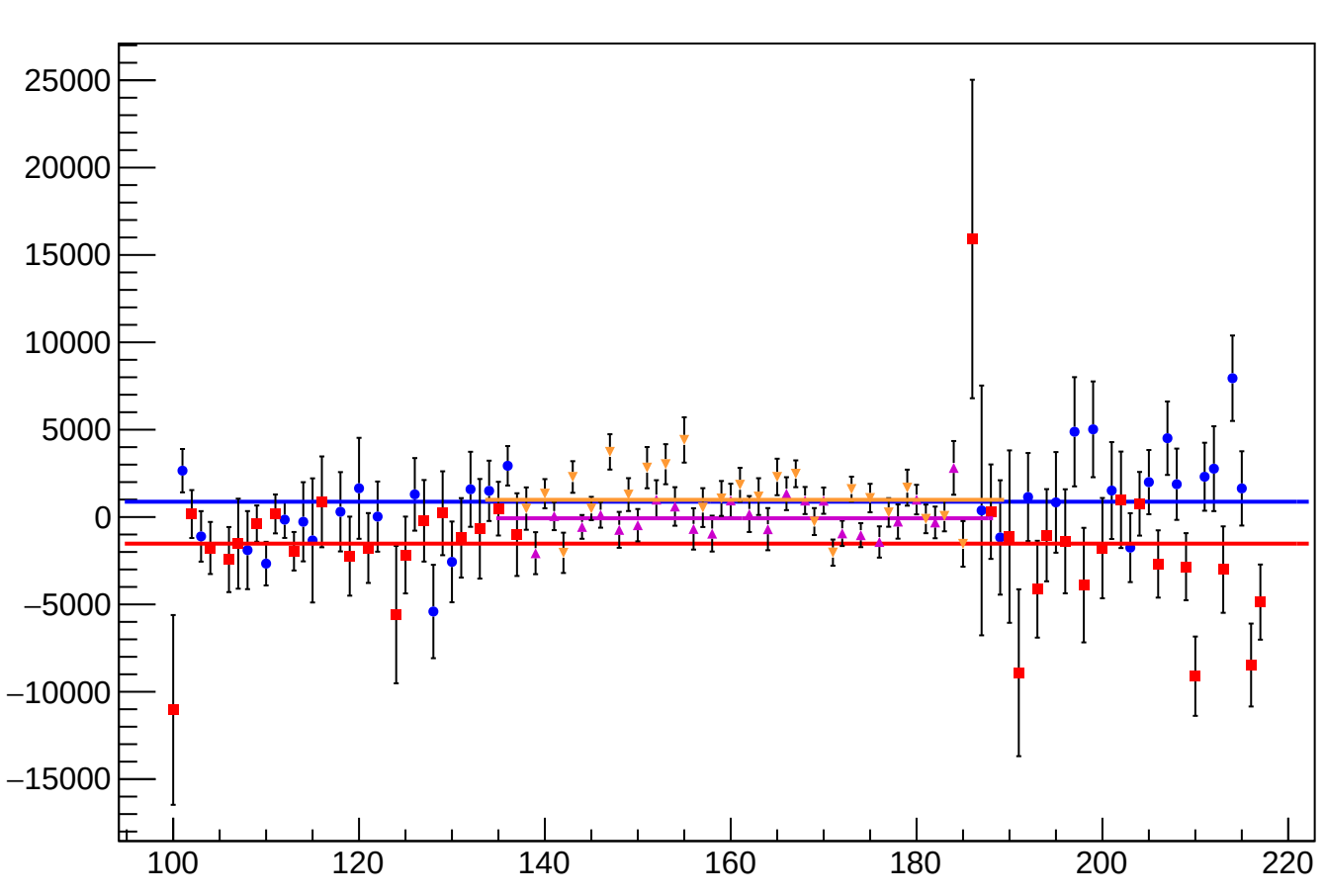
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1386.980+/-0.170 χ^2/NDF: 13029640.2/66

In: 925.625+/-0.116 χ^2/NDF:11548230.7/53

Out: 923.519+/-0.113 χ^2/NDF:13255270.1/60

All: 924.543+/-0.081 χ^2/NDF: 24803668.9/11



Right In: 876.986+/-348.842 χ^2/NDF: 46.2/30

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -1522.267+/-338.753 χ^2/NDF: 47.1/35

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

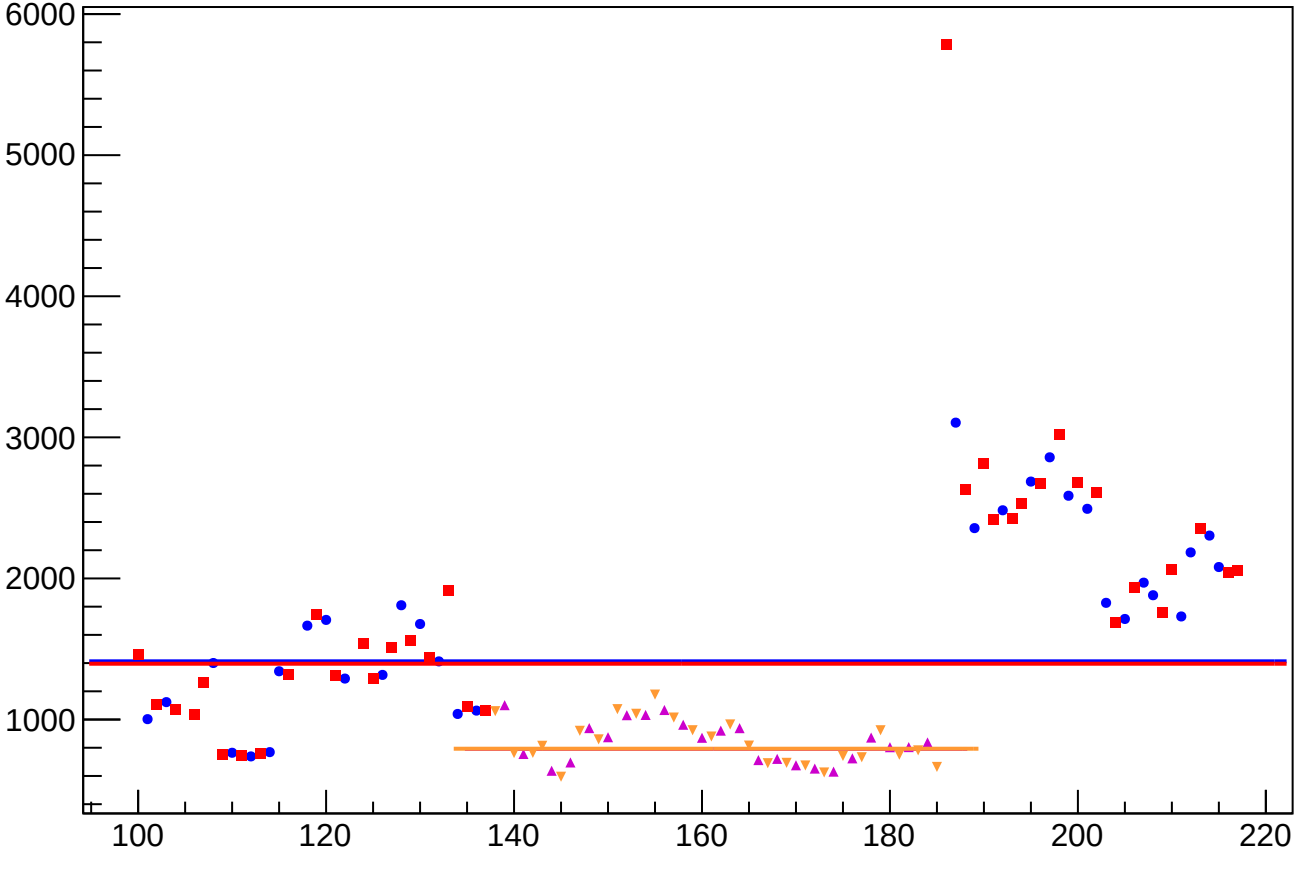
Right: -357.834+/-243.023 χ^2/NDF: 117.7/66

In: 143.134+/-165.521 χ^2/NDF:76.3/53

Out: 416.220+/-161.417 χ^2/NDF:153.2/60

All: 283.104+/-115.563 χ^2/NDF: 230.9/114

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: 1395.557+/-0.240 χ^2/NDF: 7163344.0/35

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

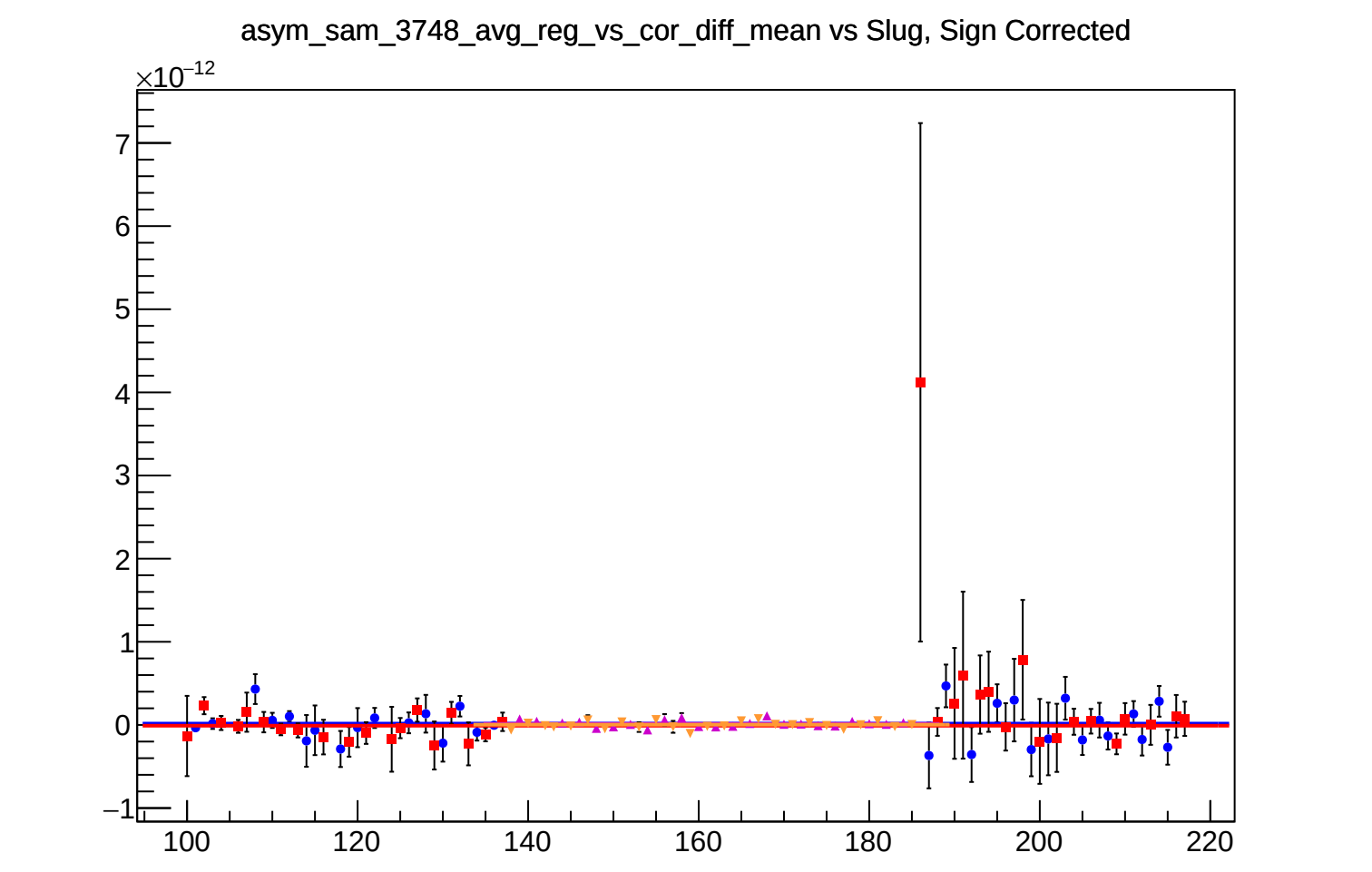
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1403.779+/-0.172 χ^2/NDF: 12646229.8/66

In: 931.043+/-0.117 χ^2/NDF:11446108.0/53

Out: 929.853+/-0.114 χ^2/NDF:13247603.2/60

All: 930.433+/-0.082 χ^2/NDF: 24693764.2/1



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: 24.8/35

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

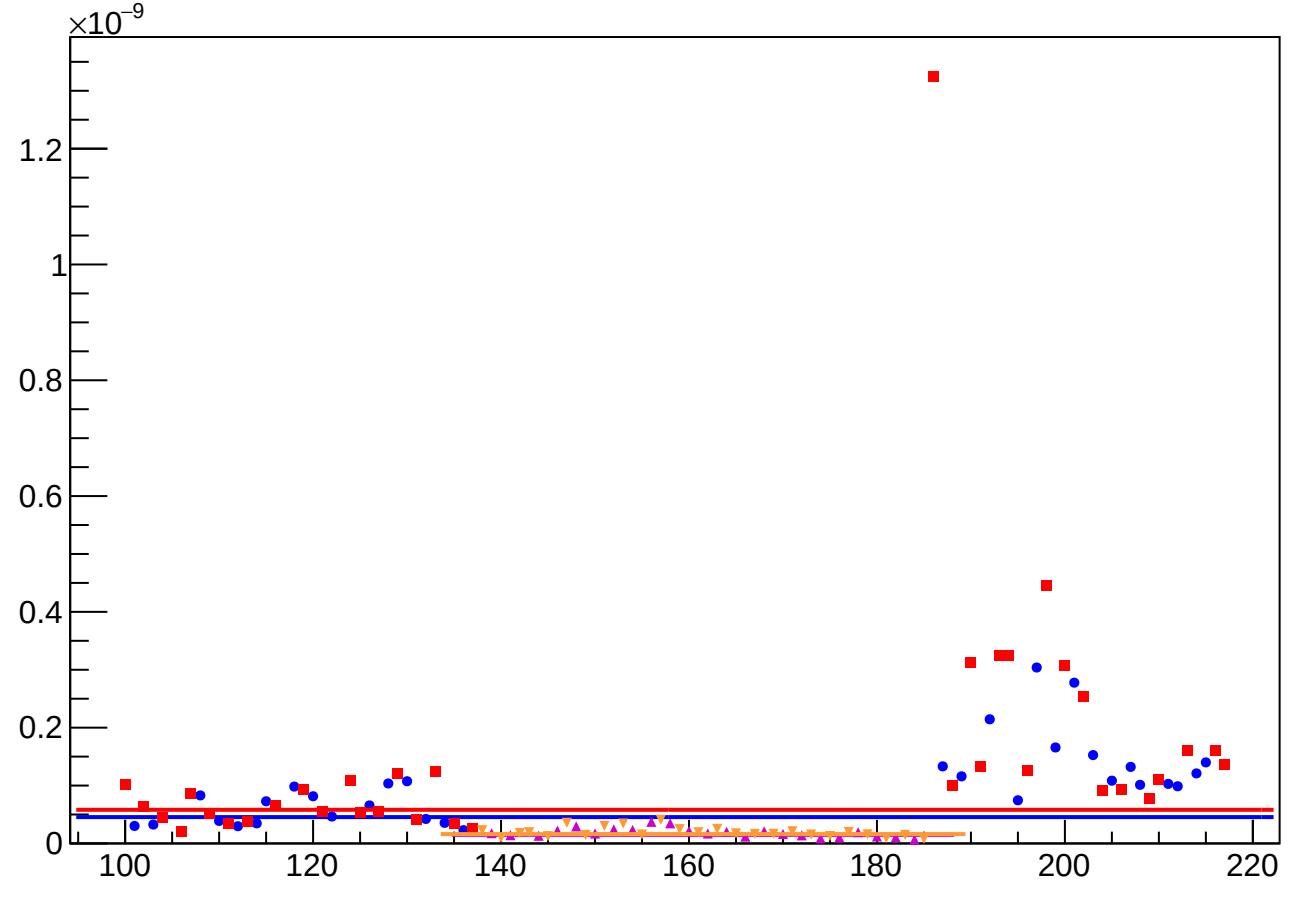
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 59.3/66

In: 0.000+/-0.000 χ^2/NDF:59.1/53

Out: 0.000+/-0.000 χ^2/NDF:59.1/60

All: 0.000+/-0.000 χ^2/NDF: 119.4/114



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: 6618472.7/35

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

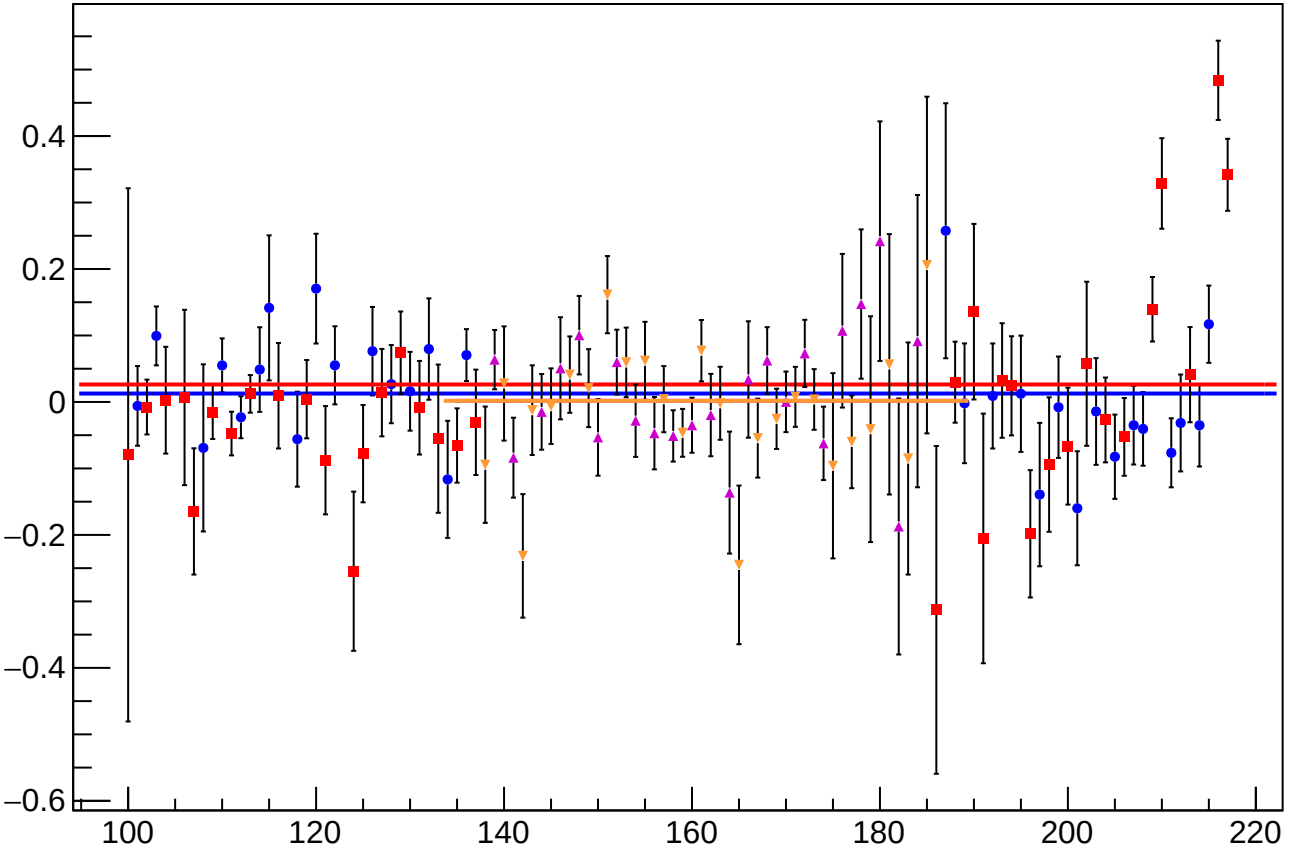
Right: 0.000+/-0.000 χ^2/NDF: 13159420.1/66

In: 0.000+/-0.000 χ^2/NDF:11987982.8/53

Out: 0.000+/-0.000 χ^2/NDF:13893947.9/60

All: 0.000+/-0.000 χ^2/NDF: 25930725.6/114

asym_sam_3748_avg_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: 0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

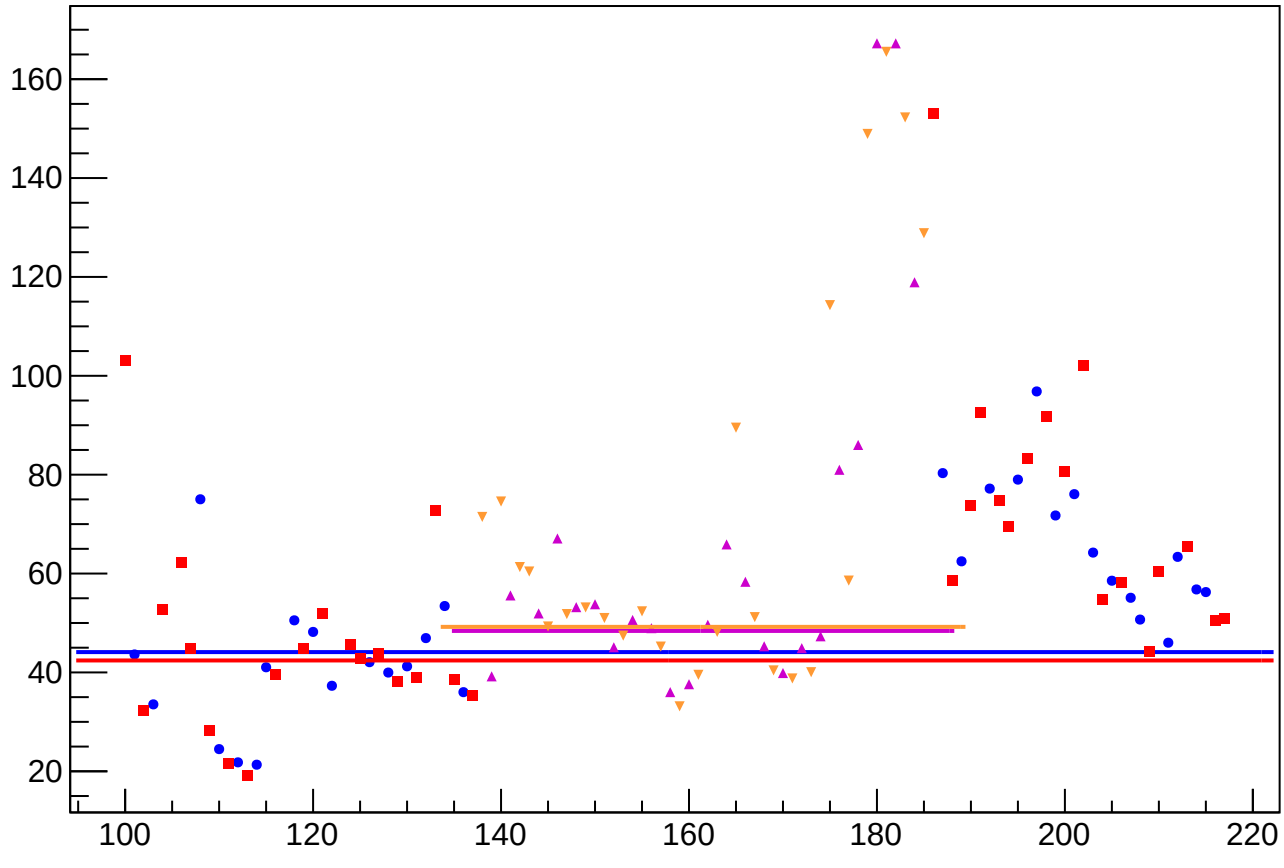
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.020+/-0.008 χ^2/NDF: 197.5/66

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: 0.016+/-0.008 χ^2/NDF:190.9/60

All: 0.012+/-0.006 χ^2/NDF: 256.4/114



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: 42.420+/-0.007 χ^2/NDF: 6560345.8/35

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

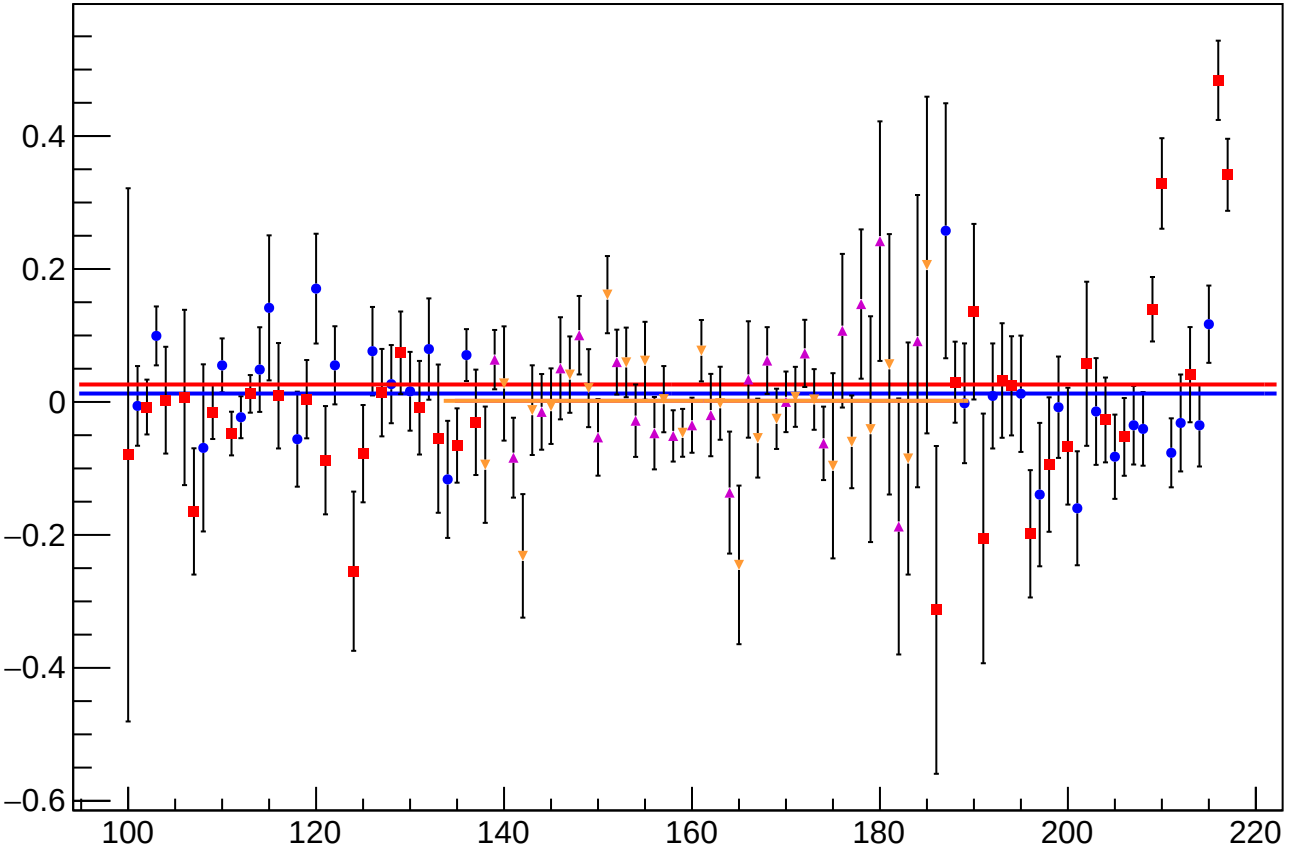
Right: 43.229+/-0.005 χ^2/NDF: 11201567.4/66

In: 46.017+/-0.006 χ^2/NDF:7783008.9/53

Out: 45.319+/-0.006 χ^2/NDF:11082303.4/60

All: 45.658+/-0.004 χ^2/NDF: 18872657.1/114

asym_sam_3748_avg_dit_vs_eigen_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: 0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

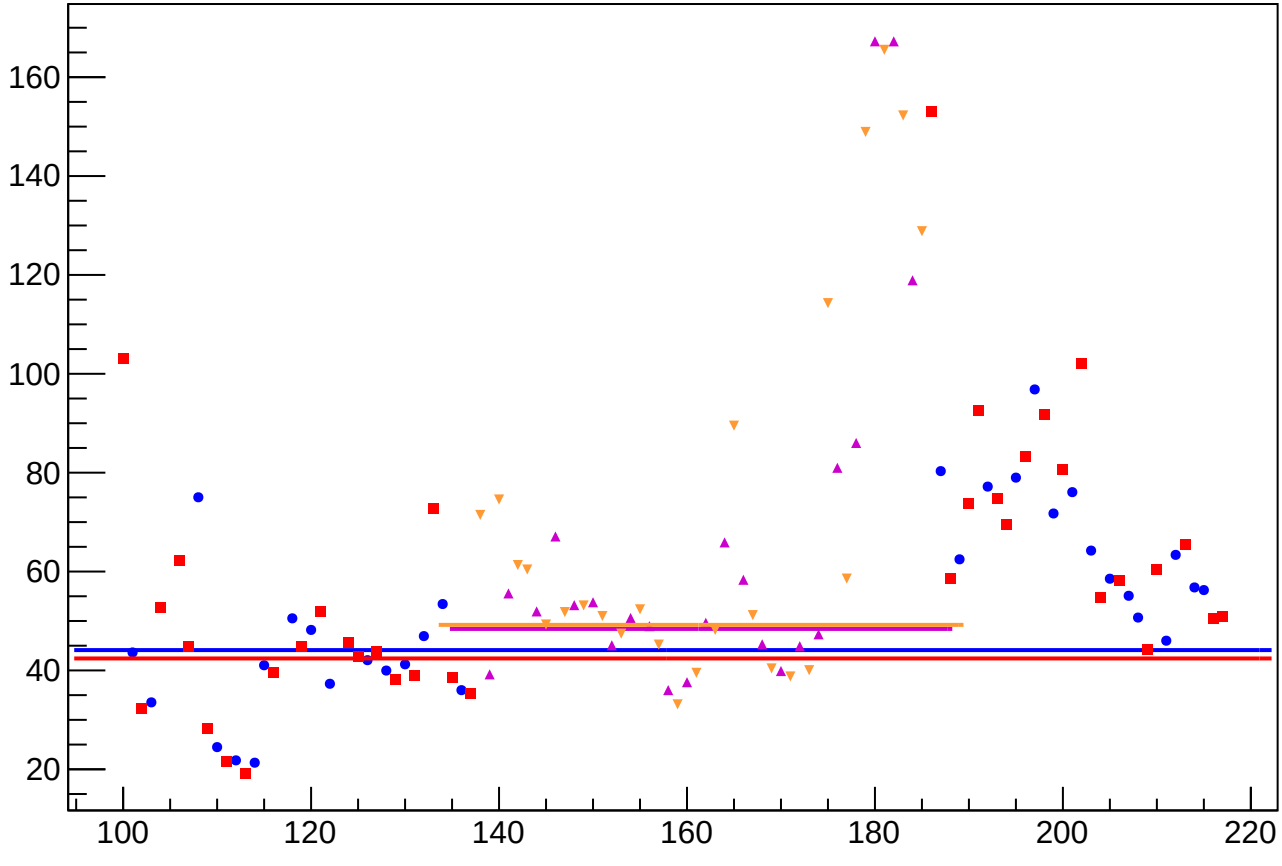
Right: 0.020+/-0.008 χ^2/NDF: 197.5/66

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: 0.016+/-0.008 χ^2/NDF:190.9/60

All: 0.012+/-0.006 χ^2/NDF: 256.4/114

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: 42.420+/-0.007 χ^2/NDF: 6560345.8/35

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

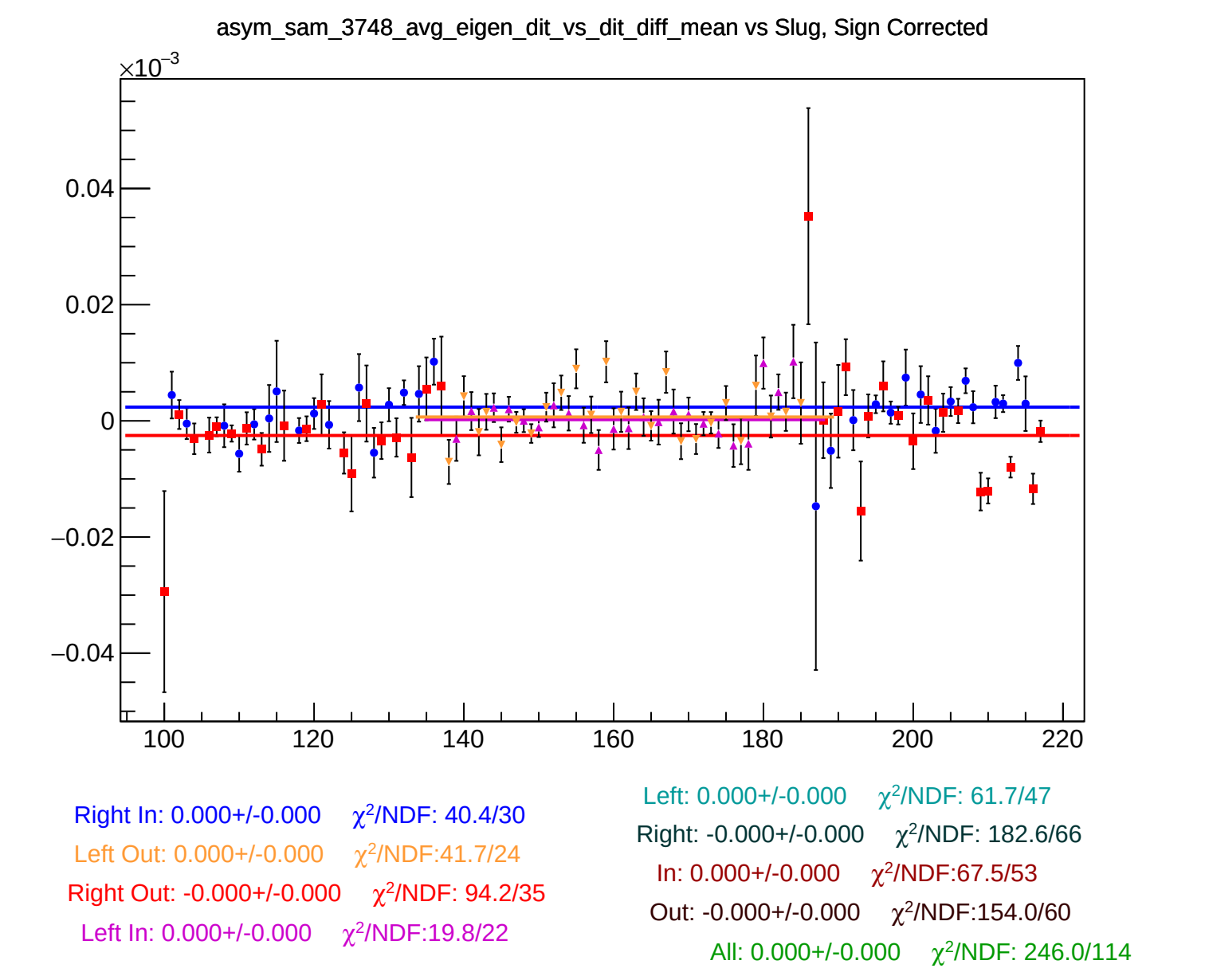
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

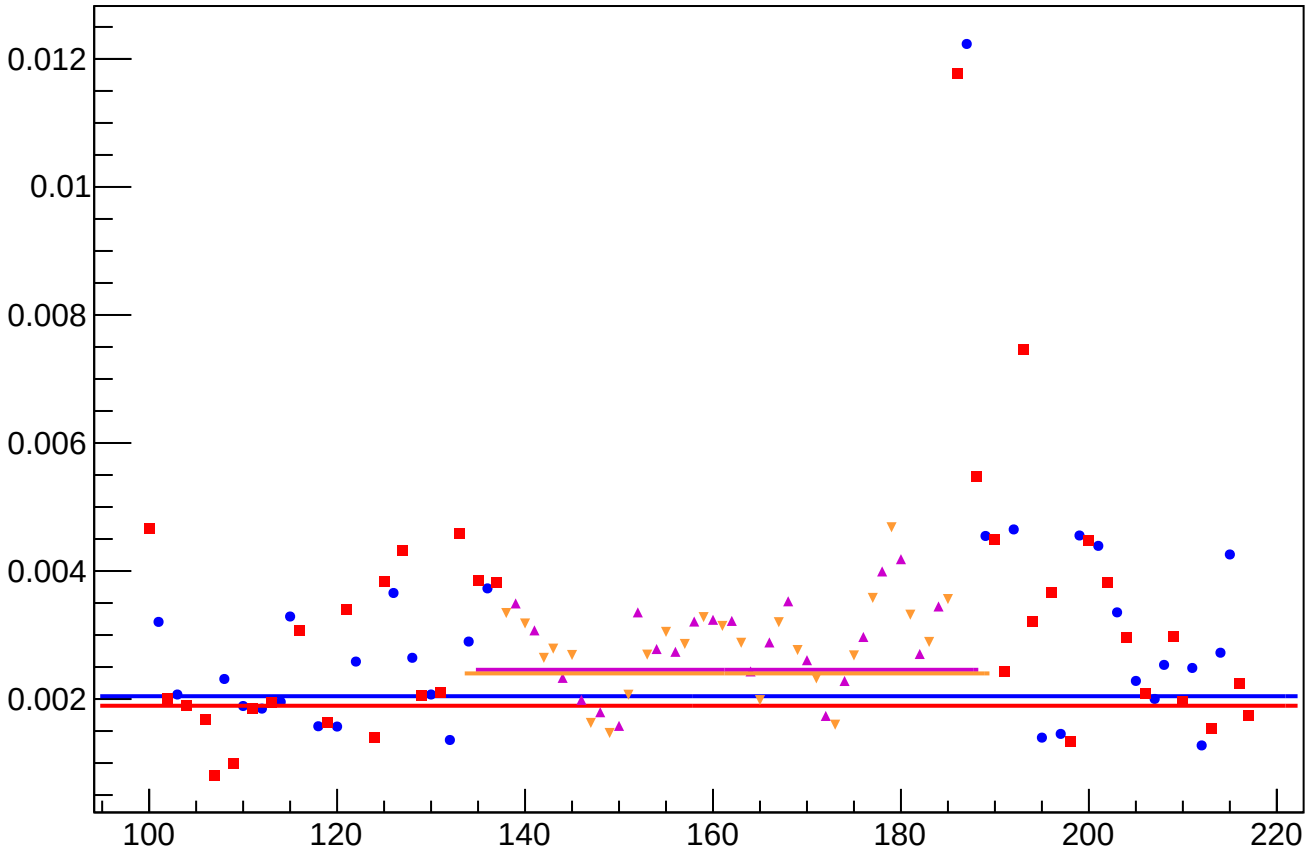
Right: 43.229+/-0.005 χ^2/NDF: 11201567.4/66

In: 46.017+/-0.006 χ^2/NDF:7783008.9/53

Out: 45.319+/-0.006 χ^2/NDF:11082303.4/60

All: 45.658+/-0.004 χ^2/NDF: 18872657.1/114


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 40.4/30
Left Out: 0.000+/-0.000 χ²/NDF:41.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 94.2/35
Left In: 0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 61.7/47
Right: -0.000+/-0.000 χ²/NDF: 182.6/66
In: 0.000+/-0.000 χ²/NDF:67.5/53
Out: -0.000+/-0.000 χ²/NDF:154.0/60
All: 0.000+/-0.000 χ²/NDF: 246.0/114



Right In: 0.002+/-0.000 χ^2/NDF: 5363827.4/30

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7924756.8/35

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

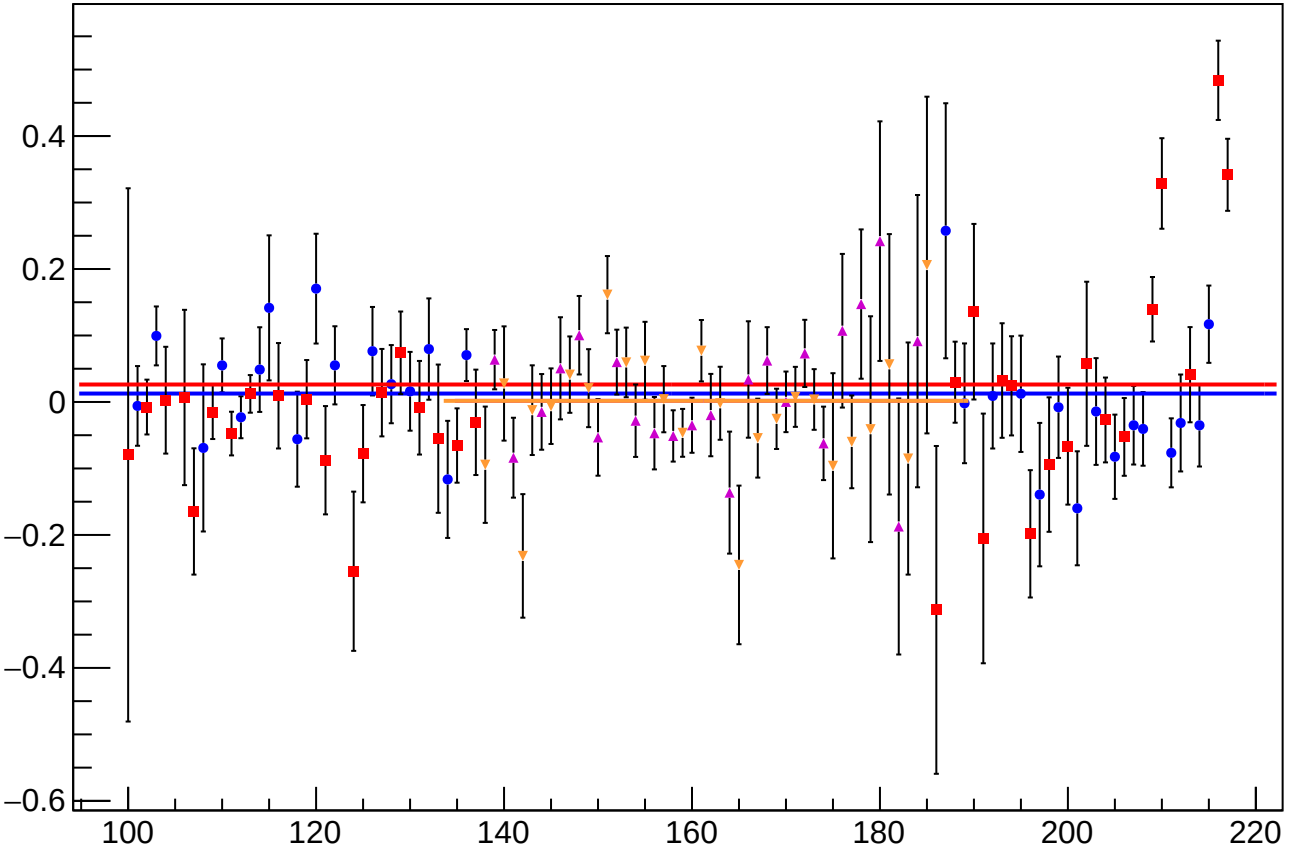
Right: 0.002+/-0.000 χ^2/NDF: 13377987.9/66

In: 0.002+/-0.000 χ^2/NDF:8533787.3/53

Out: 0.002+/-0.000 χ^2/NDF:11964606.3/60

All: 0.002+/-0.000 χ^2/NDF: 20593830.7/114

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: 0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

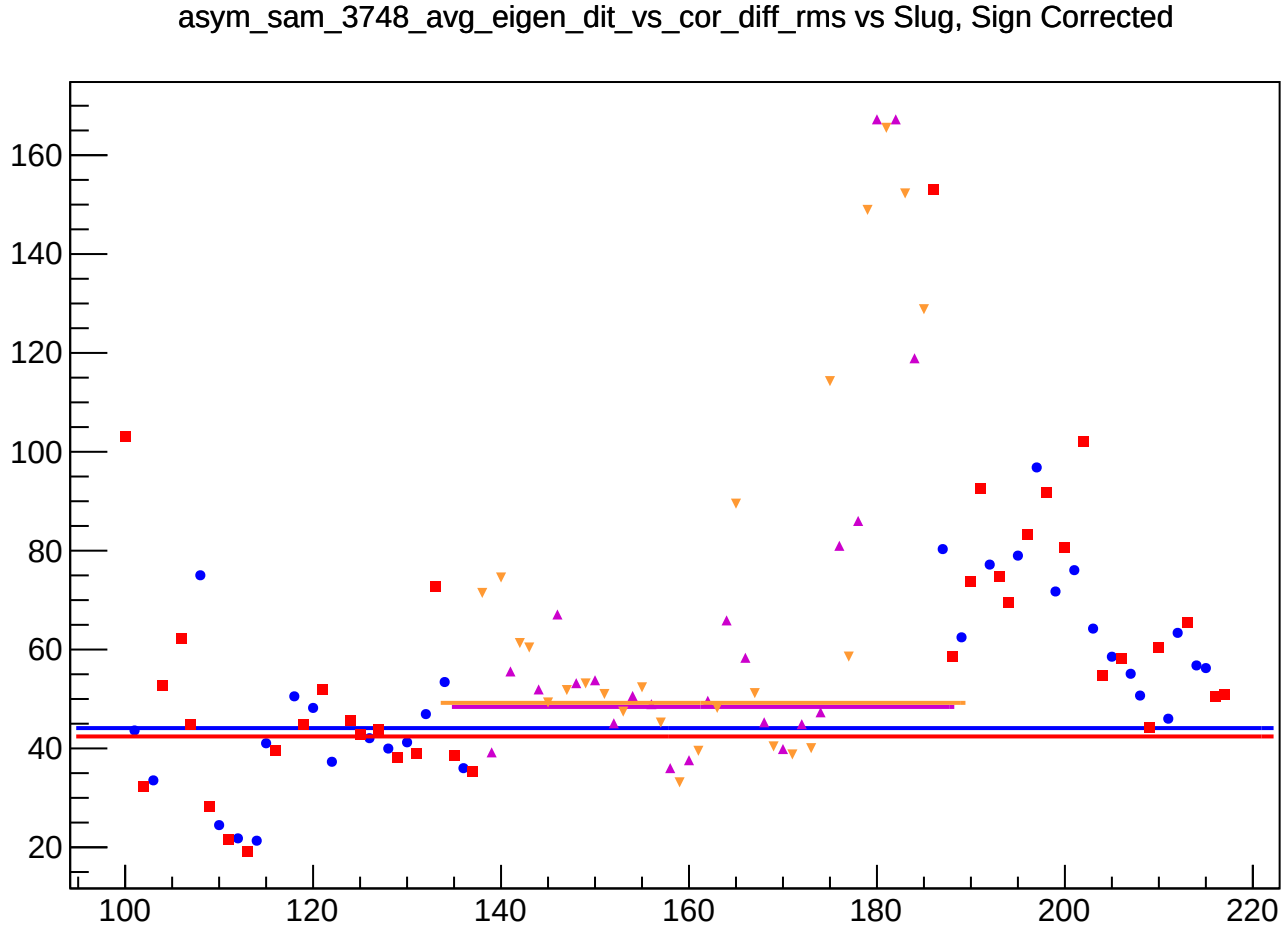
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.020+/-0.008 χ^2/NDF: 197.5/66

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: 0.016+/-0.008 χ^2/NDF:190.9/60

All: 0.012+/-0.006 χ^2/NDF: 256.4/114



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: 42.421+/-0.007 χ^2/NDF: 6560241.8/35

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

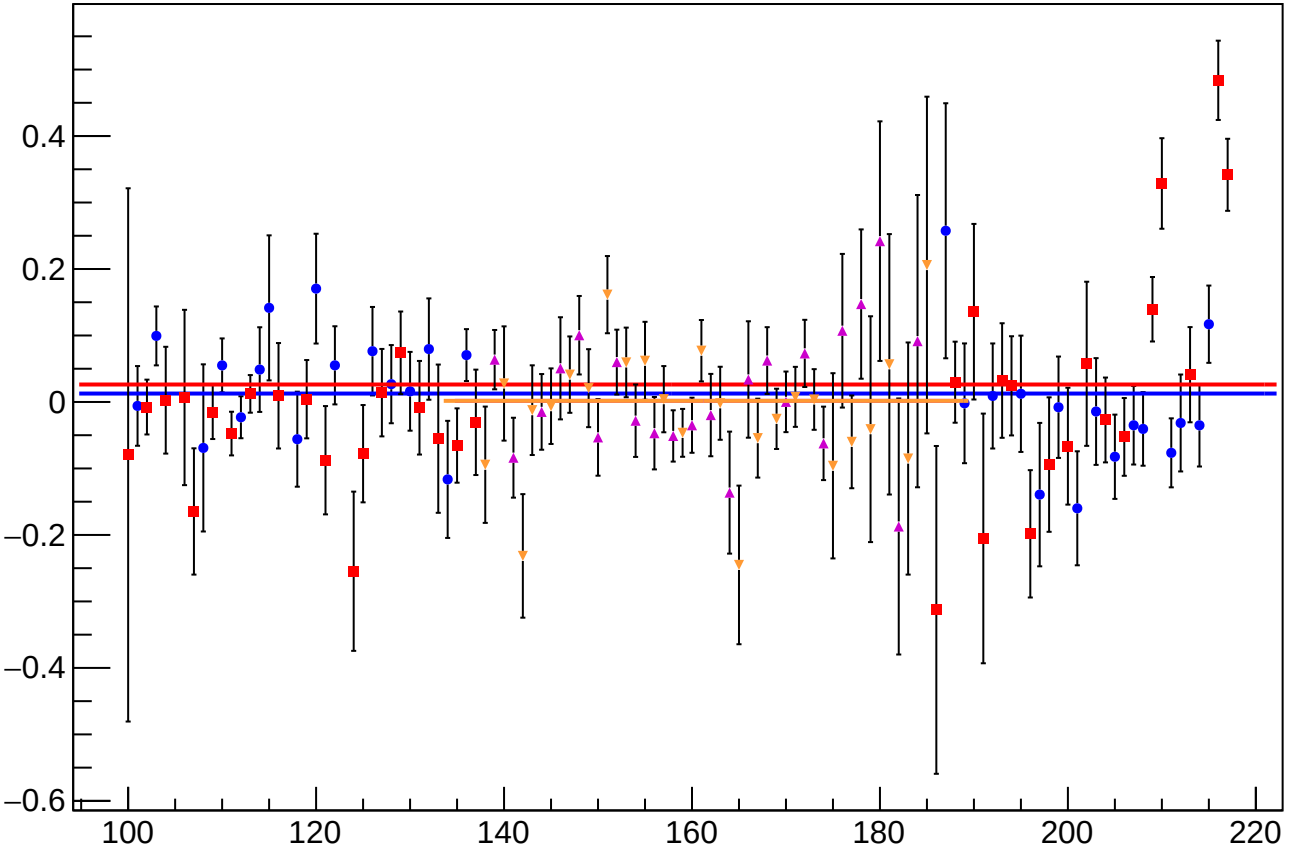
Right: 43.230+/-0.005 χ^2/NDF: 11201314.0/66

In: 46.017+/-0.006 χ^2/NDF:7782839.9/53

Out: 45.319+/-0.006 χ^2/NDF:11082182.4/60

All: 45.659+/-0.004 χ^2/NDF: 18872366.1/114

asym_sam_3748_avg_eigen_dit_vs_eigen_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: 0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

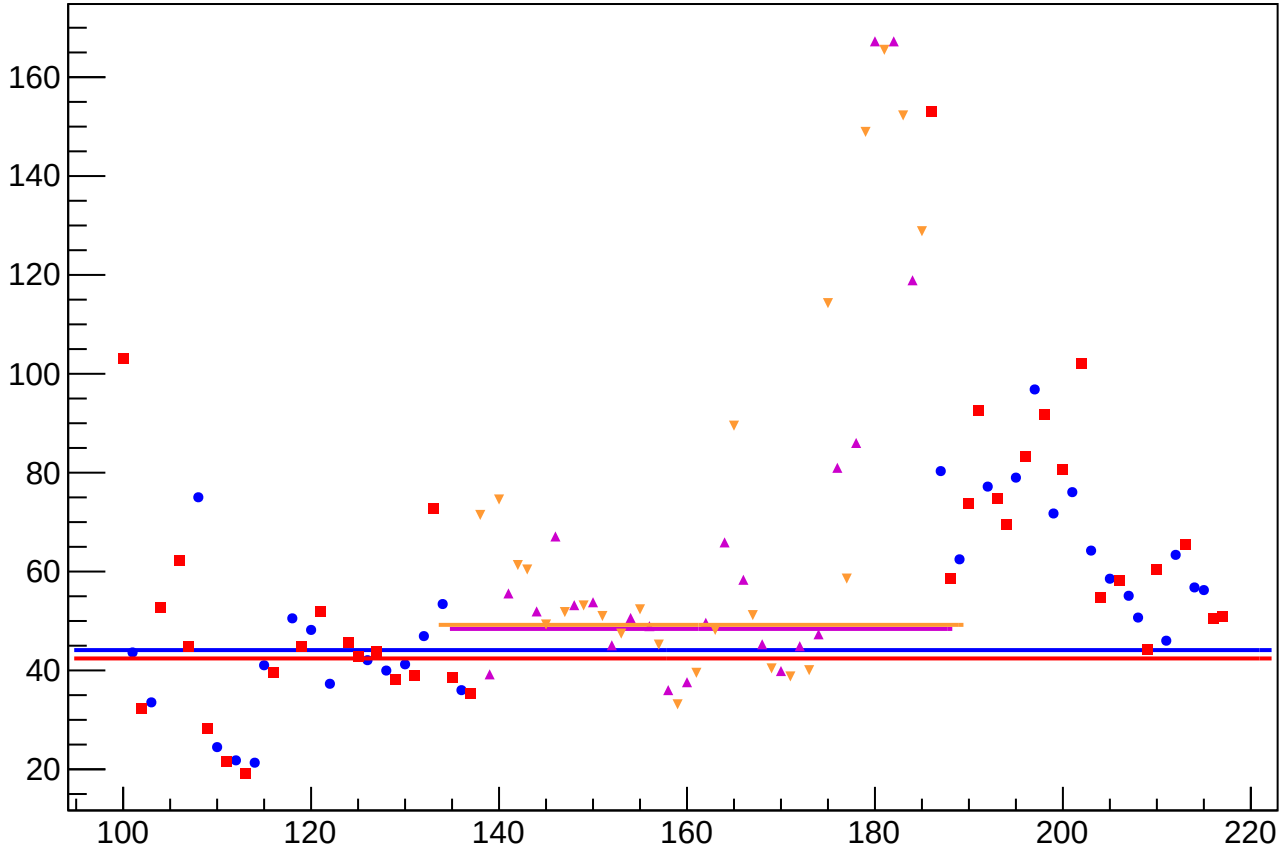
Right: 0.020+/-0.008 χ^2/NDF: 197.5/66

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: 0.016+/-0.008 χ^2/NDF:190.9/60

All: 0.012+/-0.006 χ^2/NDF: 256.4/114

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: 42.421+/-0.007 χ^2/NDF: 6560241.8/35

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

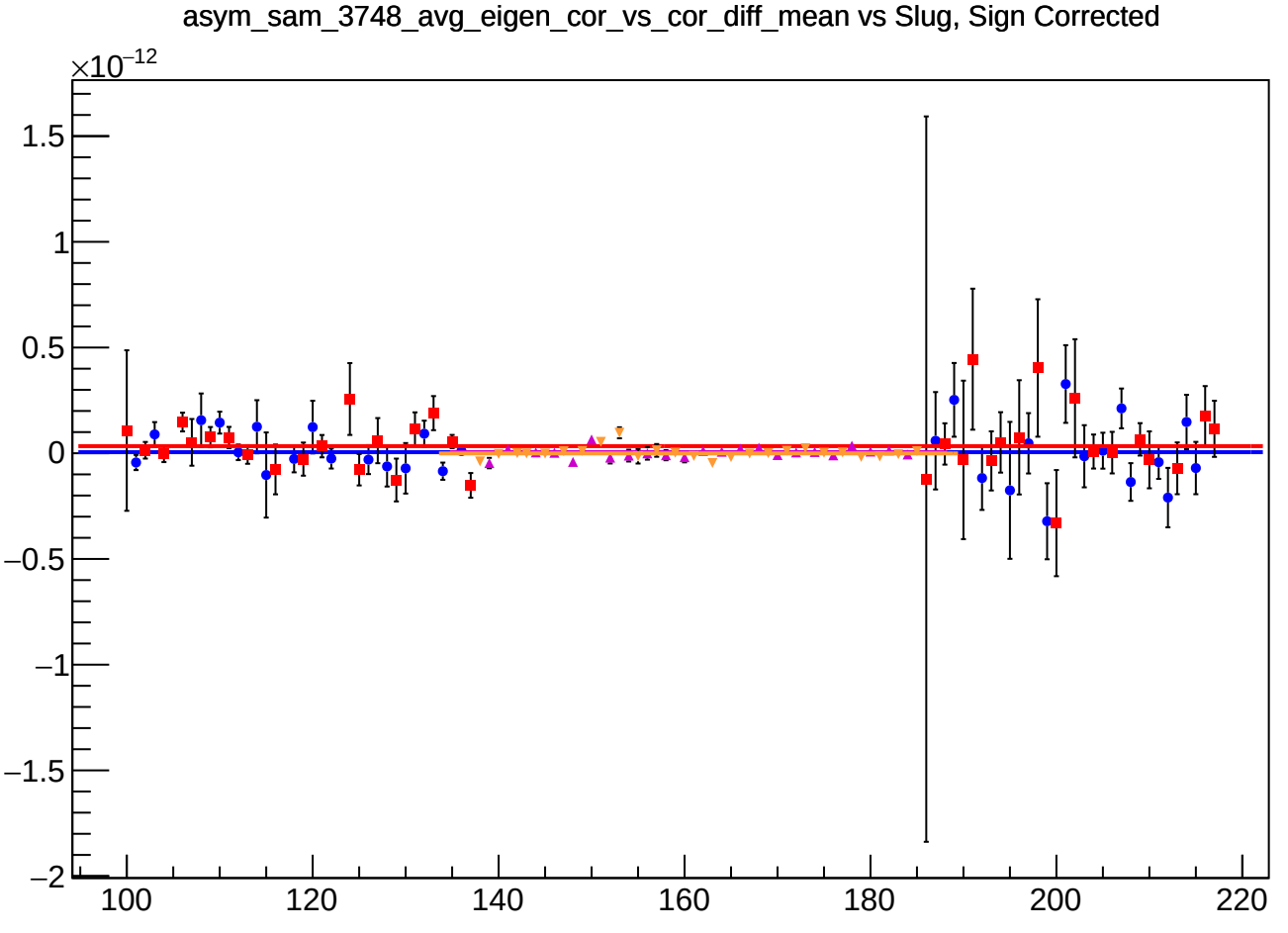
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.230+/-0.005 χ^2/NDF: 11201314.0/66

In: 46.017+/-0.006 χ^2/NDF:7782839.9/53

Out: 45.319+/-0.006 χ^2/NDF:11082182.4/60

All: 45.659+/-0.004 χ^2/NDF: 18872366.1/114



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: 42.1/35

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

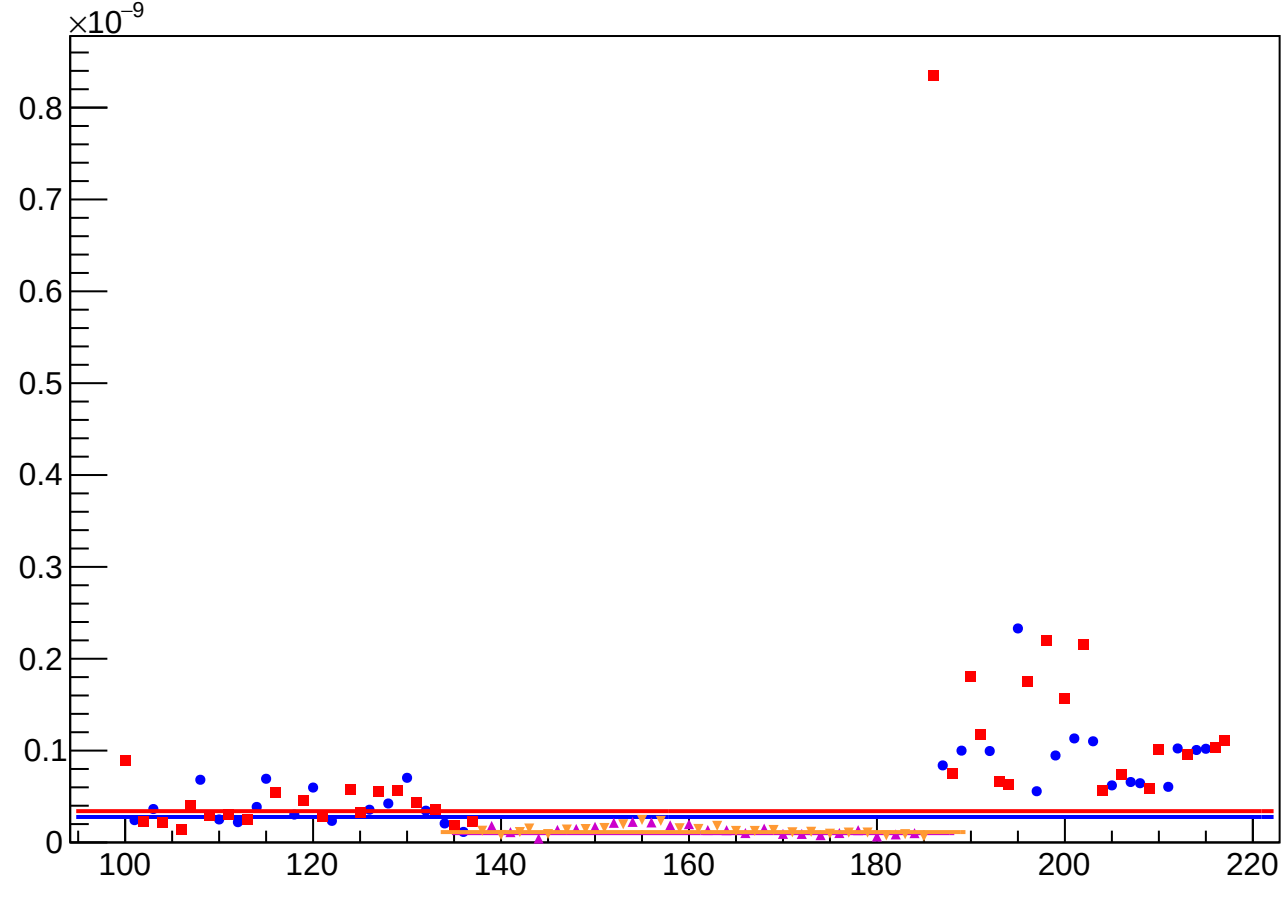
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 90.0/66

In: 0.000+/-0.000 χ^2/NDF:73.2/53

Out: 0.000+/-0.000 χ^2/NDF:86.6/60

All: 0.000+/-0.000 χ^2/NDF: 160.5/114



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: 8695843.8/35

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

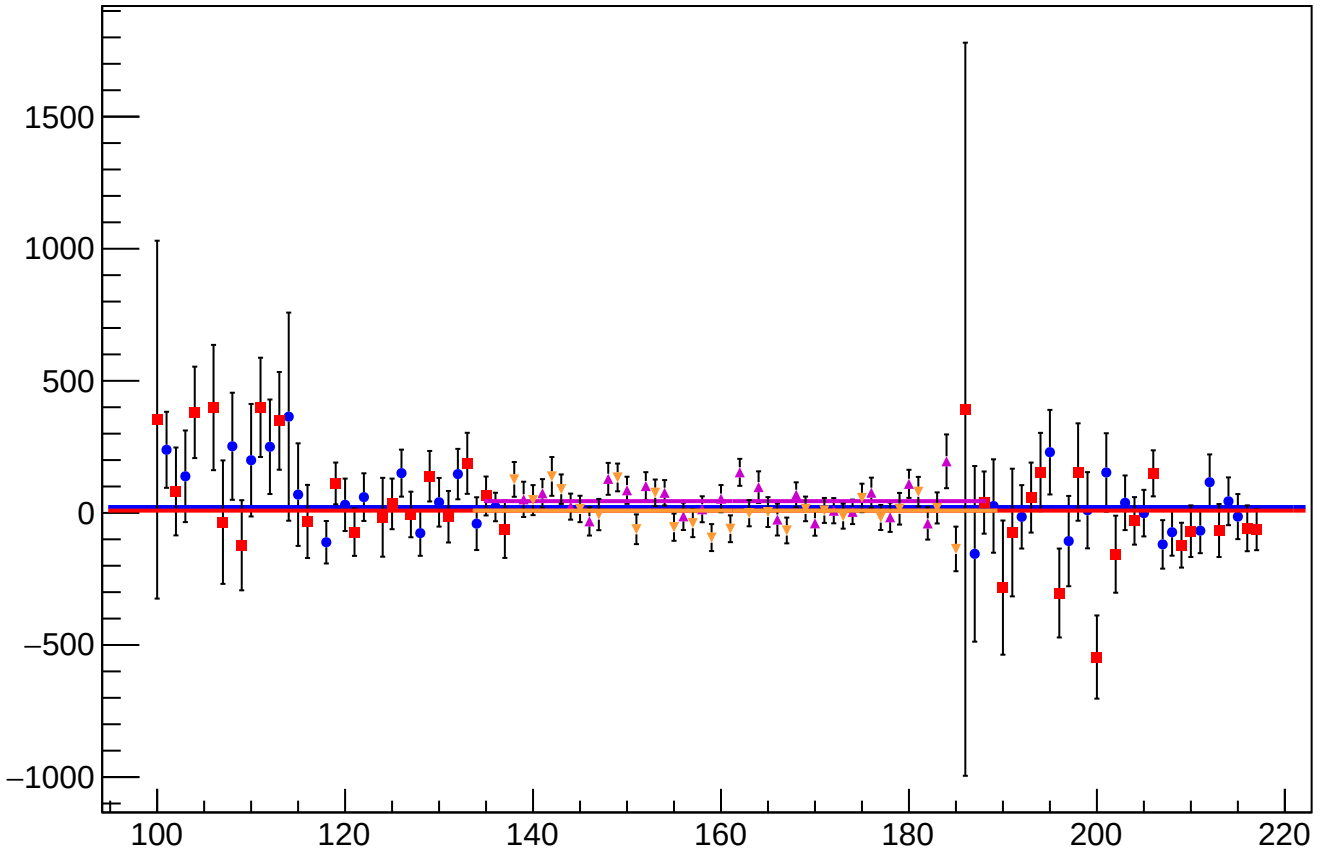
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 18145189.1/66

In: 0.000+/-0.000 χ^2/NDF:18084003.8/53

Out: 0.000+/-0.000 χ^2/NDF:17489752.7/60

All: 0.000+/-0.000 χ^2/NDF: 35745133.6/114



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: 8.671+/-19.467 χ^2/NDF: 52.4/35

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

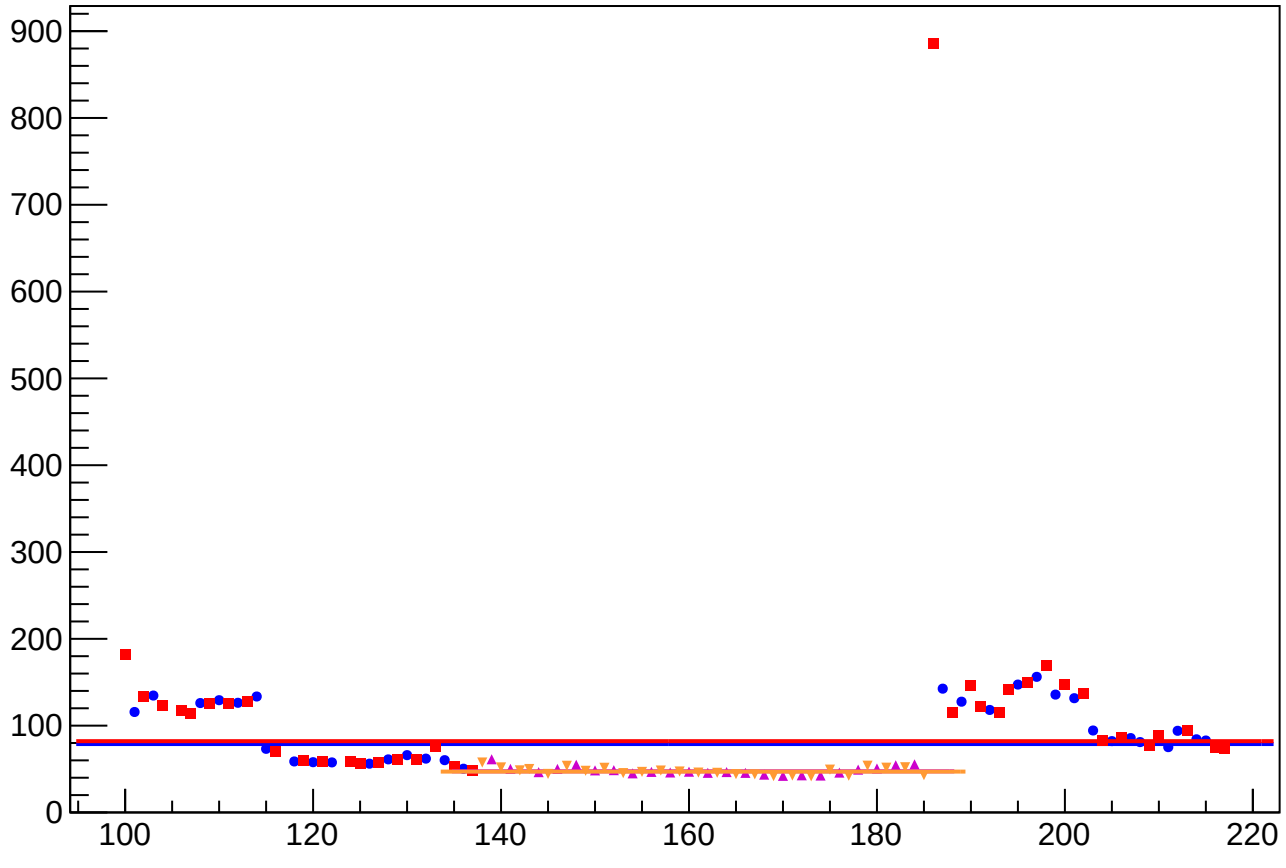
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 15.570+/-13.637 χ^2/NDF: 77.5/66

In: 38.874+/-9.630 χ^2/NDF:52.8/53

Out: 8.736+/-9.424 χ^2/NDF:87.0/60

All: 23.478+/-6.735 χ^2/NDF: 144.8/114



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: 82.115+/-0.014 χ^2/NDF: 5070670.4/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

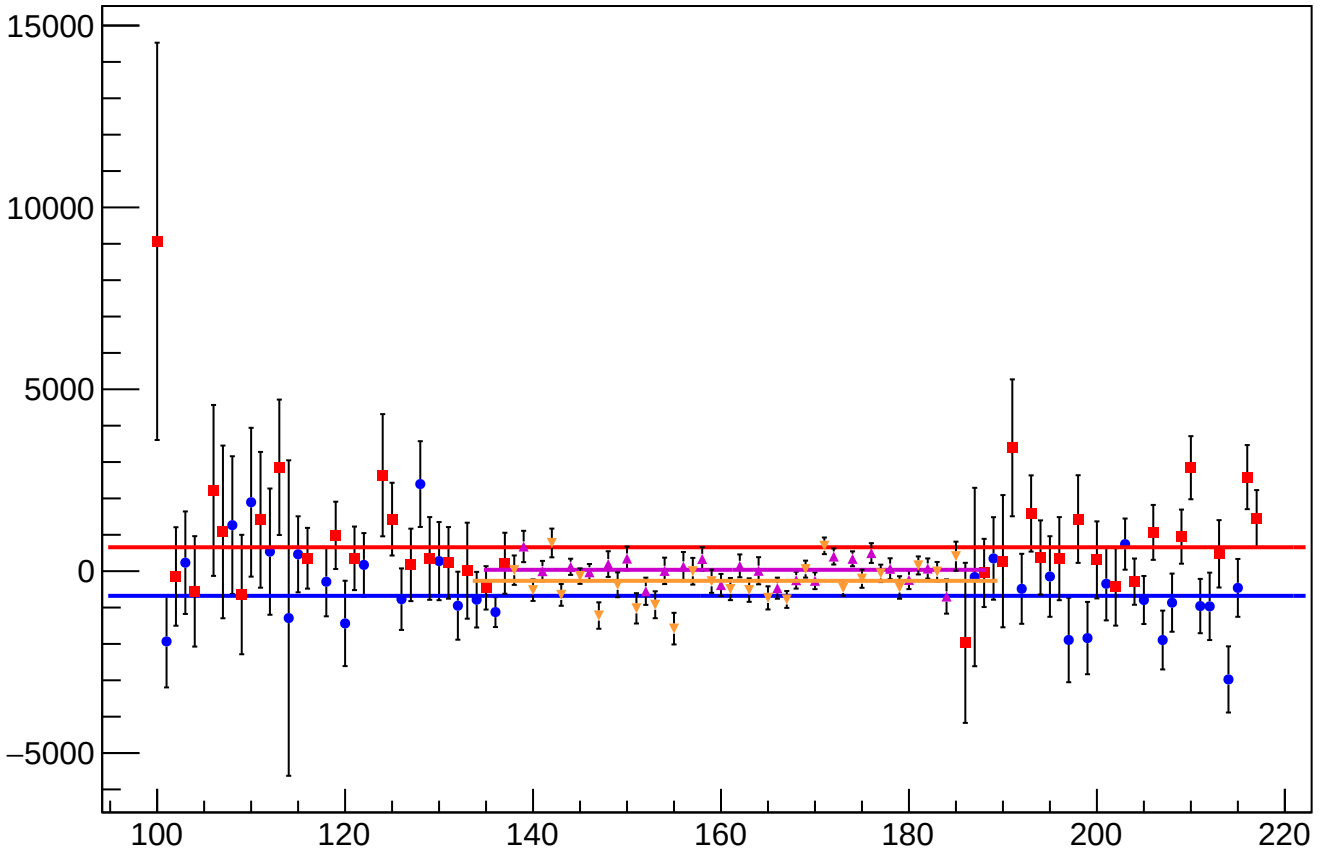
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.427+/-0.010 χ^2/NDF: 9002883.7/66

In: 55.360+/-0.007 χ^2/NDF:8206057.6/53

Out: 55.278+/-0.007 χ^2/NDF:10322884.7/60

All: 55.318+/-0.005 χ^2/NDF: 18529016.8/114



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: 657.610+/-172.353 χ^2/NDF: 34.4/35

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

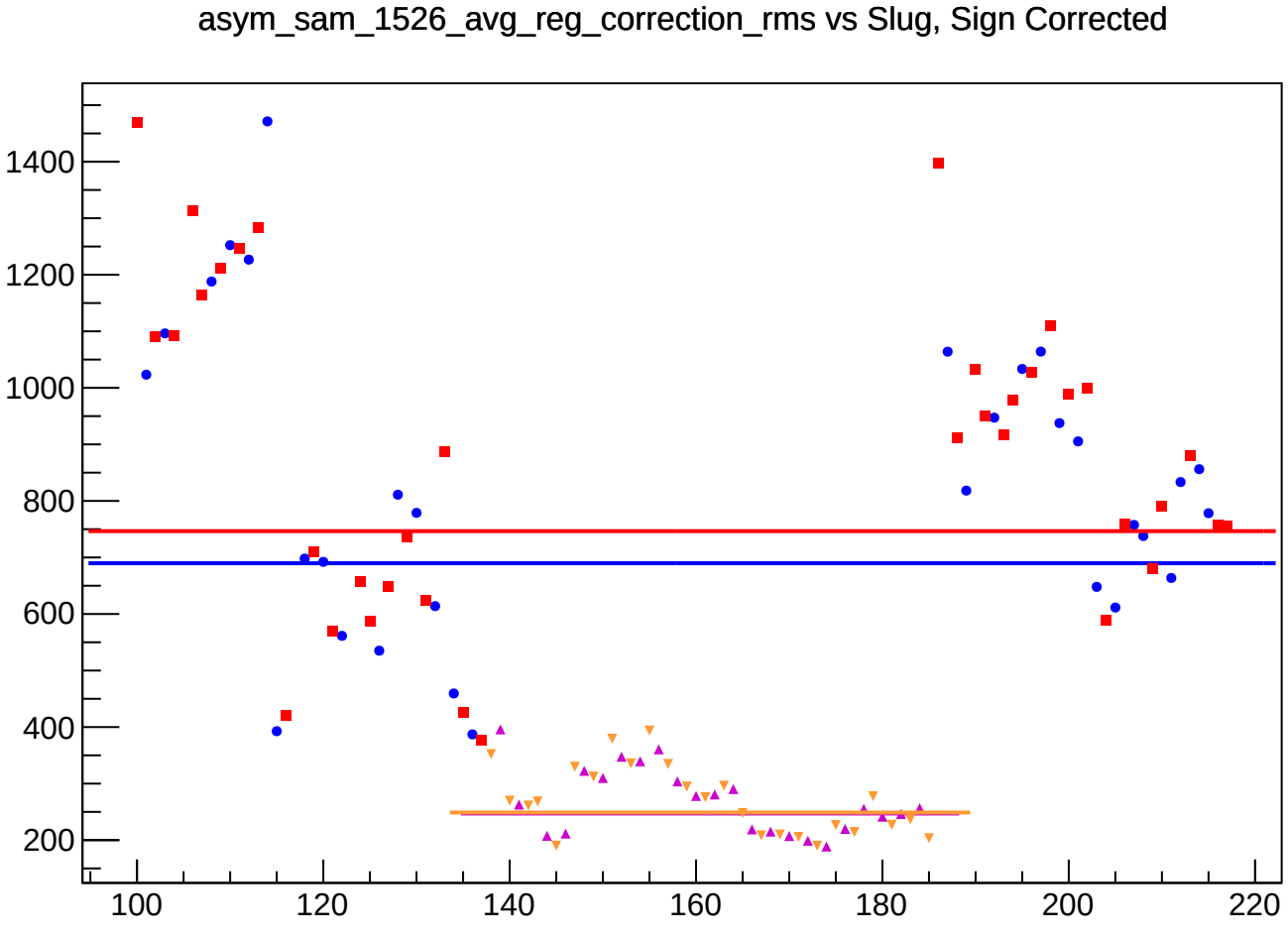
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -37.621+/-119.343 χ^2/NDF: 98.6/66

In: -43.614+/-55.704 χ^2/NDF:76.2/53

Out: -171.671+/-54.997 χ^2/NDF:130.0/60

All: -108.460+/-39.136 χ^2/NDF: 208.8/114



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: 746.567+/-0.122 χ^2/NDF: 3577088.2/35

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

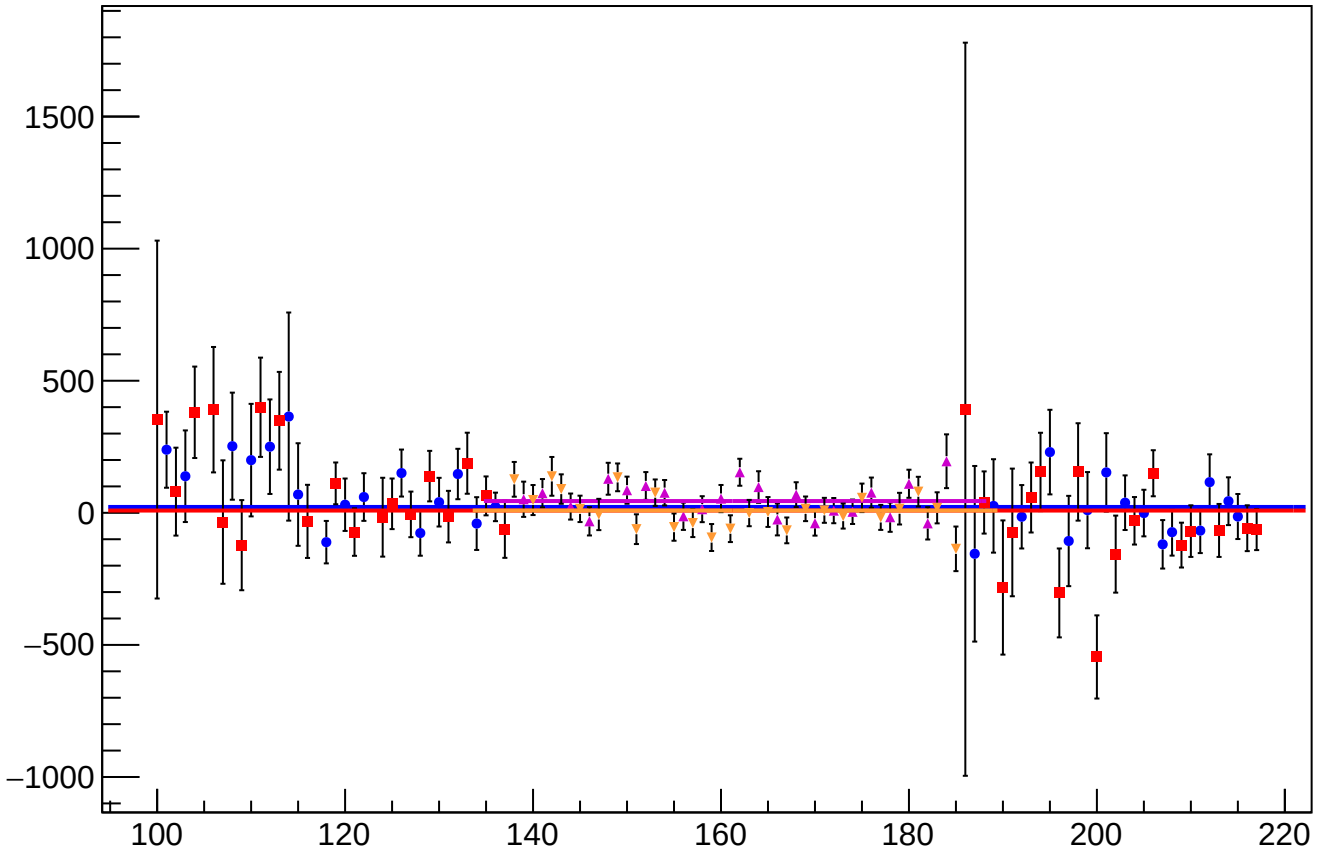
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 717.011+/-0.084 χ^2/NDF: 7152190.2/66

In: 297.311+/-0.039 χ^2/NDF:17646160.6/53

Out: 299.566+/-0.039 χ^2/NDF:20218541.4/60

All: 298.453+/-0.028 χ^2/NDF: 37866361.4/1



Right In: 22.213+/-19.111 χ^2/NDF: 24.8/30

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 8.593+/-19.467 χ^2/NDF: 52.3/35

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

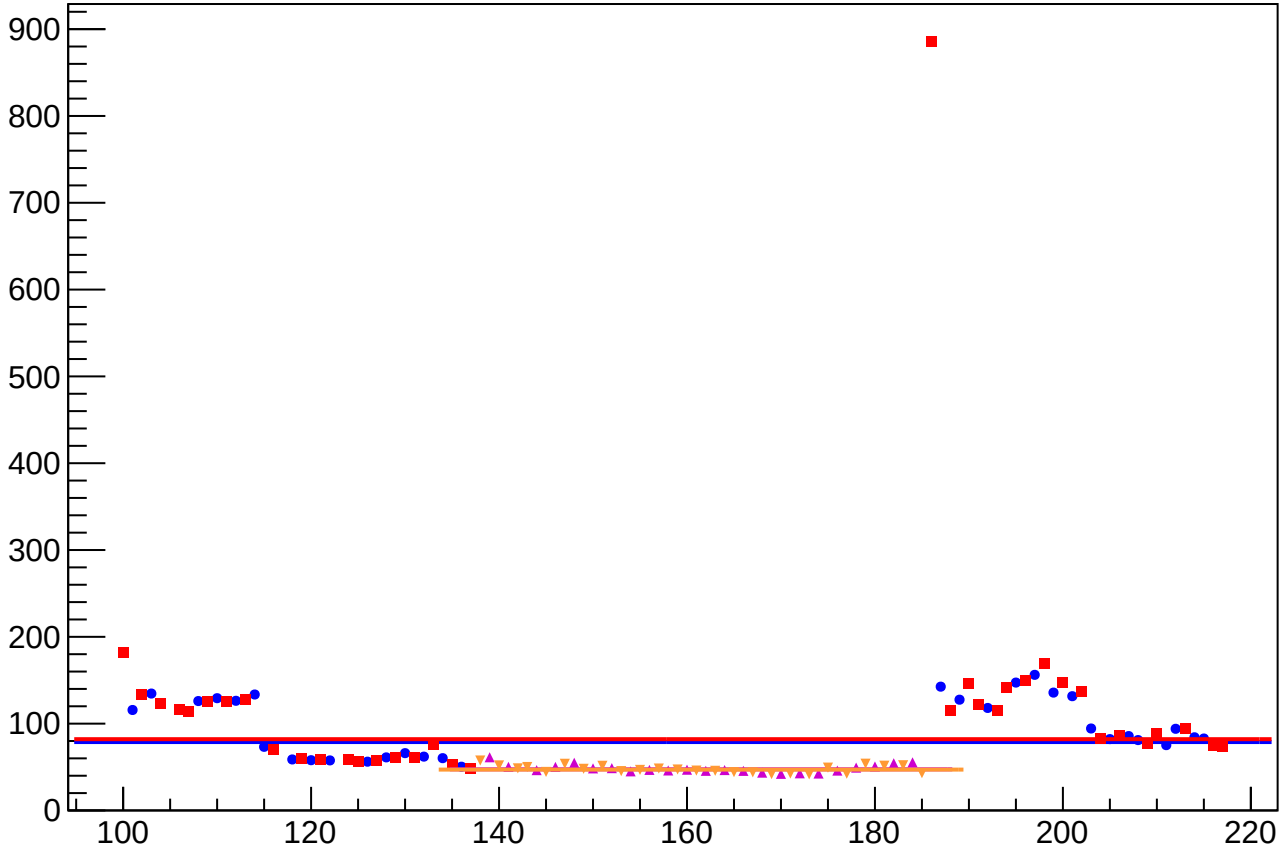
Right: 15.529+/-13.637 χ^2/NDF: 77.3/66

In: 38.871+/-9.630 χ^2/NDF:52.8/53

Out: 8.719+/-9.424 χ^2/NDF:86.9/60

All: 23.469+/-6.735 χ^2/NDF: 144.7/114

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: 82.108+/-0.014 χ^2/NDF: 5068372.7/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

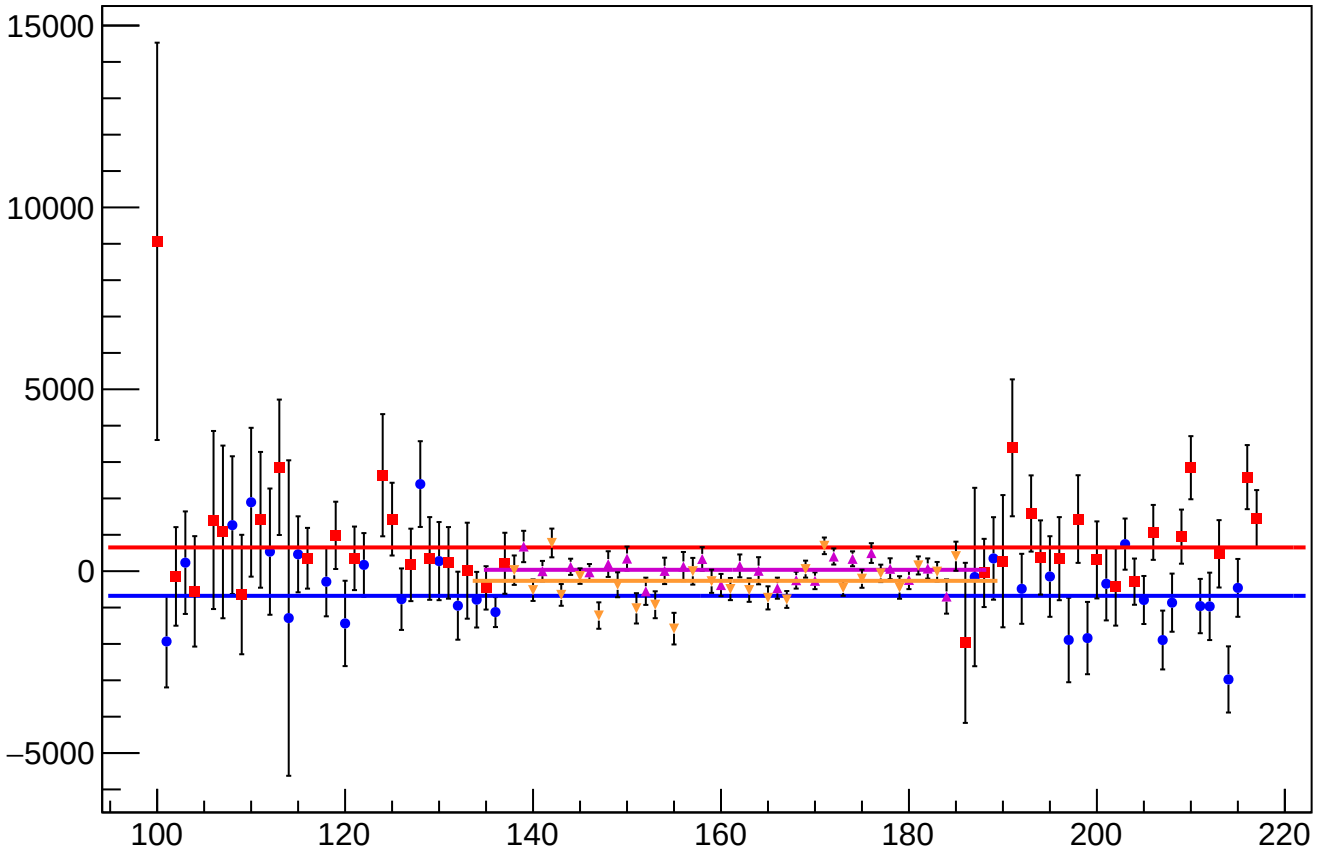
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.423+/-0.010 χ^2/NDF: 9000460.7/66

In: 55.360+/-0.007 χ^2/NDF:8206059.7/53

Out: 55.276+/-0.007 χ^2/NDF:10318447.7/60

All: 55.317+/-0.005 χ^2/NDF: 18524585.3/114



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: 652.970+/-172.392 χ^2/NDF: 34.0/35

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

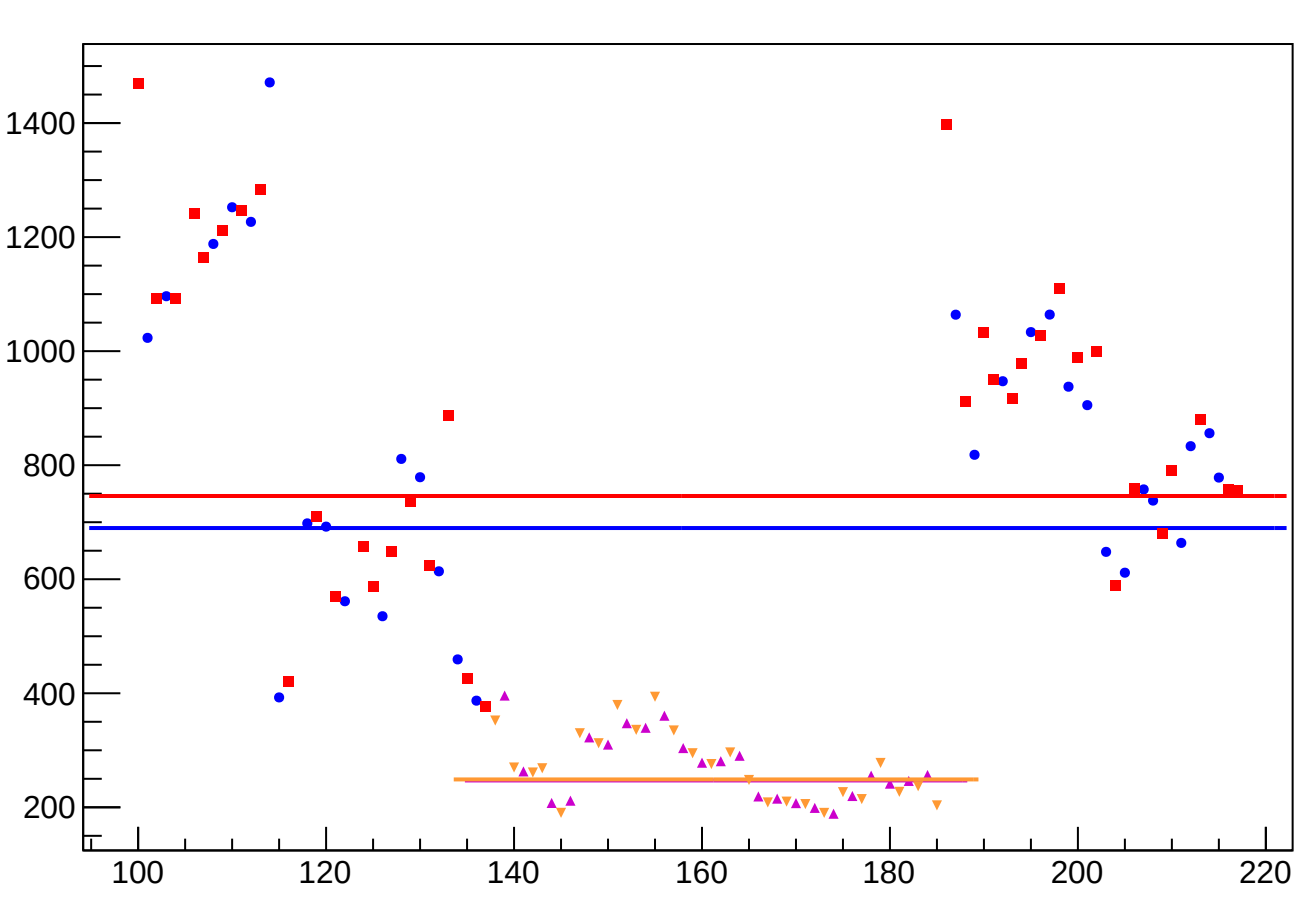
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -39.991+/-119.356 χ^2/NDF: 98.0/66

In: -43.616+/-55.704 χ^2/NDF:76.2/53

Out: -172.178+/-54.999 χ^2/NDF:129.3/60

All: -108.716+/-39.137 χ^2/NDF: 208.2/114



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: 745.975+/-0.122 χ^2/NDF: 3542835.8/35

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

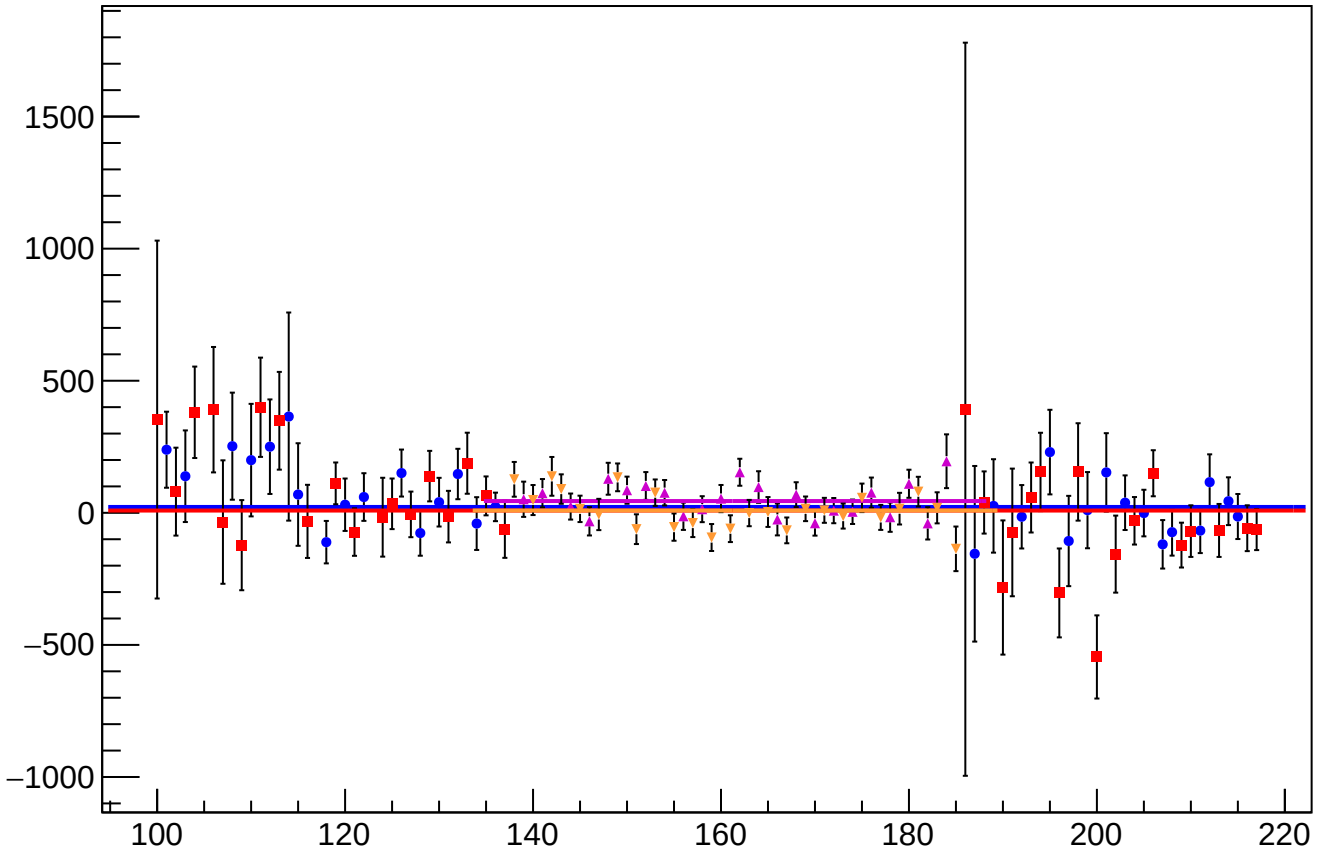
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 716.721+/-0.084 χ^2/NDF: 7115608.7/66

In: 297.311+/-0.039 χ^2/NDF:17646172.8/53

Out: 299.485+/-0.039 χ^2/NDF:20142715.6/60

All: 298.412+/-0.028 χ^2/NDF: 37790431.0/11



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: 8.593+/-19.467 χ^2/NDF: 52.3/35

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

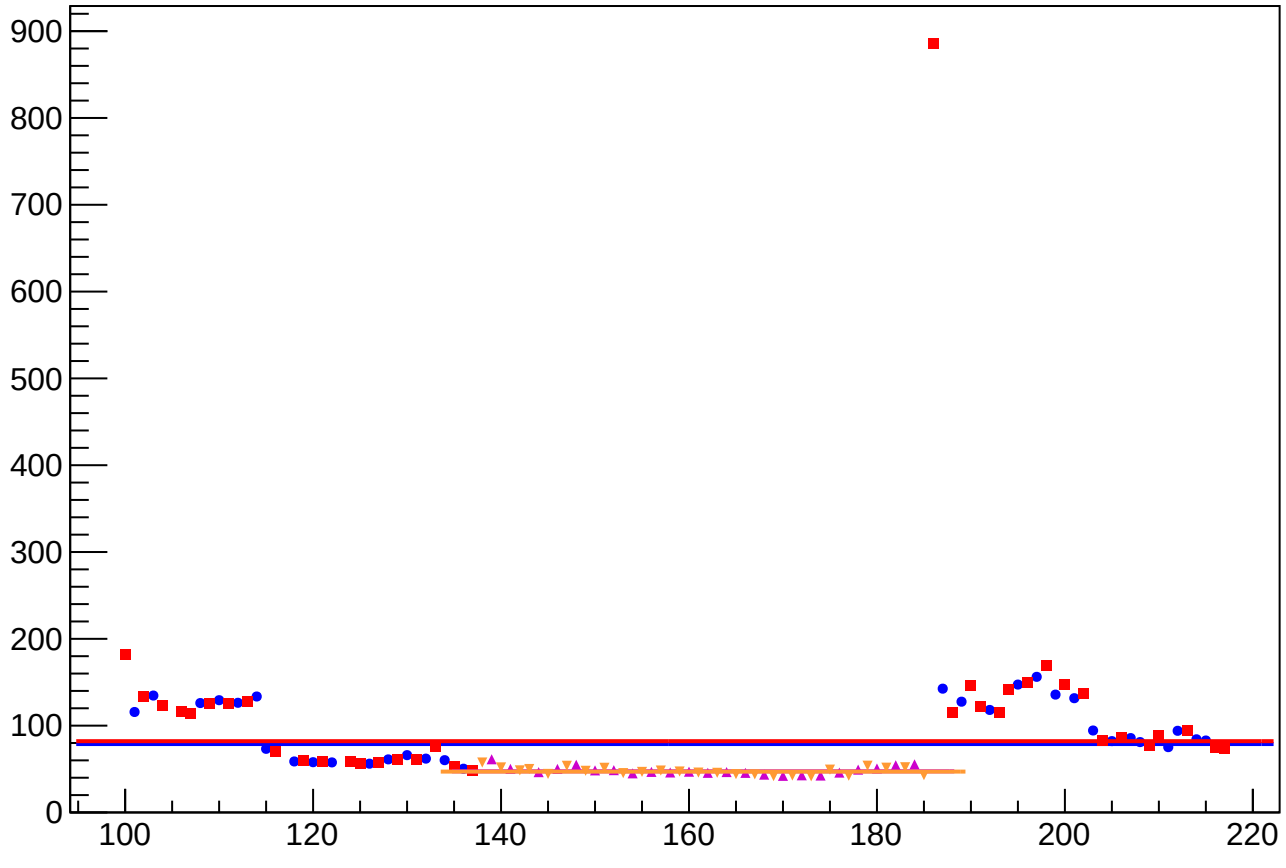
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 15.529+/-13.637 χ^2/NDF: 77.3/66

In: 38.871+/-9.630 χ^2/NDF:52.8/53

Out: 8.719+/-9.424 χ^2/NDF:86.9/60

All: 23.469+/-6.735 χ^2/NDF: 144.7/114



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: 82.108+/-0.014 χ^2/NDF: 5068372.7/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

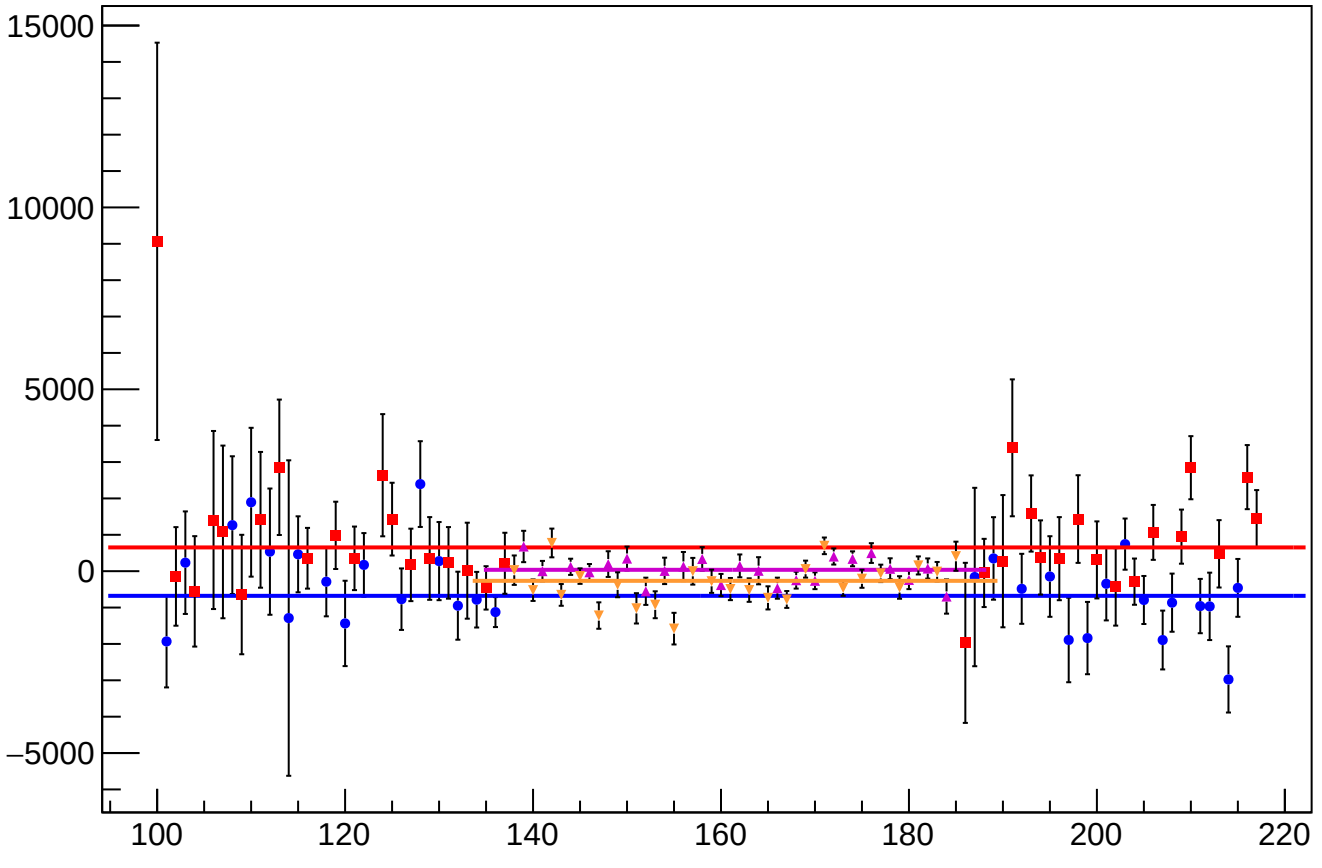
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.423+/-0.010 χ^2/NDF: 9000460.7/66

In: 55.360+/-0.007 χ^2/NDF:8206059.7/53

Out: 55.276+/-0.007 χ^2/NDF:10318447.7/60

All: 55.317+/-0.005 χ^2/NDF: 18524585.3/114



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: 652.970+/-172.392 χ^2/NDF: 34.0/35

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

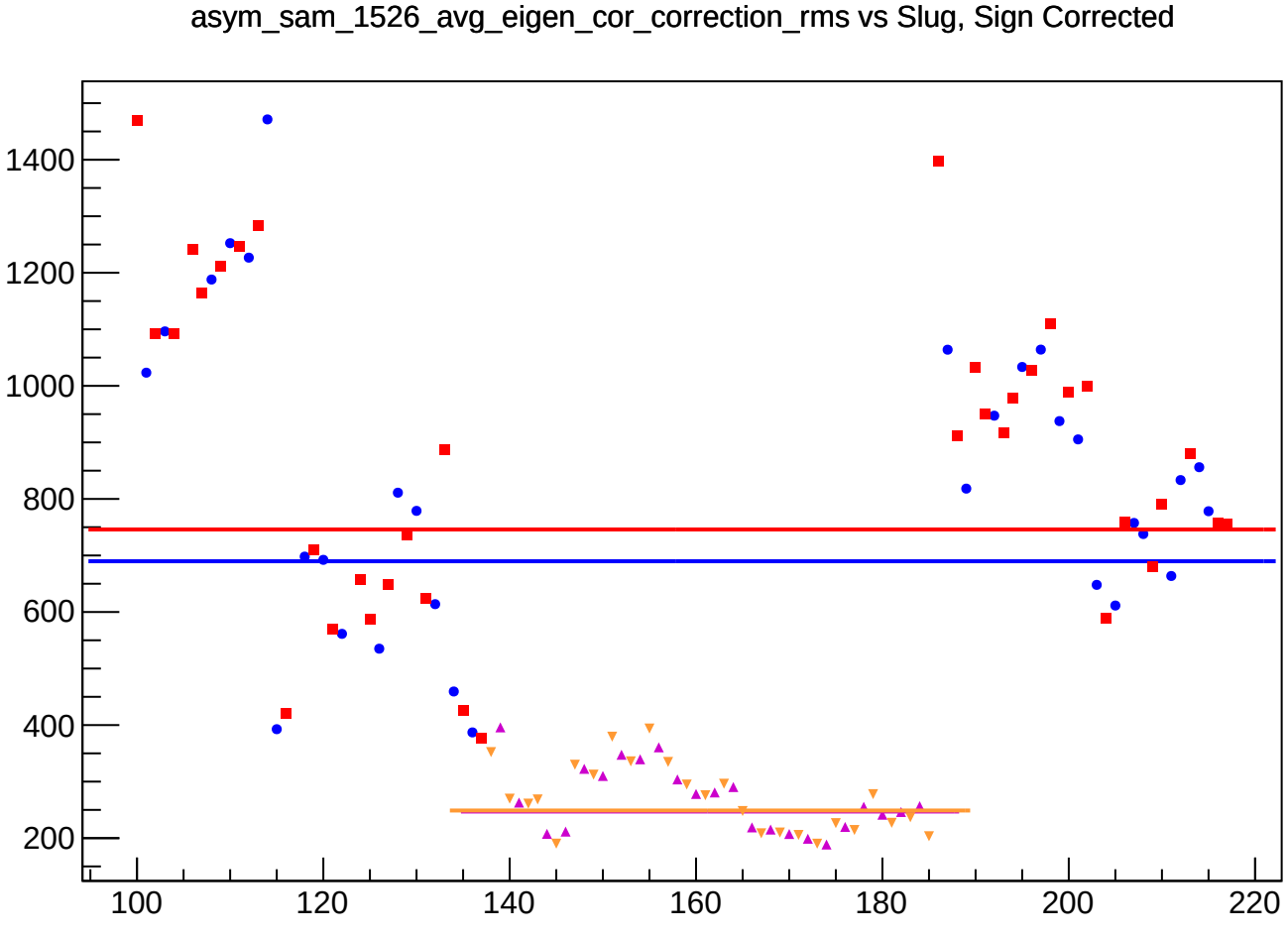
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -39.991+/-119.356 χ^2/NDF: 98.0/66

In: -43.616+/-55.704 χ^2/NDF:76.2/53

Out: -172.178+/-54.999 χ^2/NDF:129.3/60

All: -108.716+/-39.137 χ^2/NDF: 208.2/114



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: 745.975+/-0.122 χ^2/NDF: 3542835.8/35

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

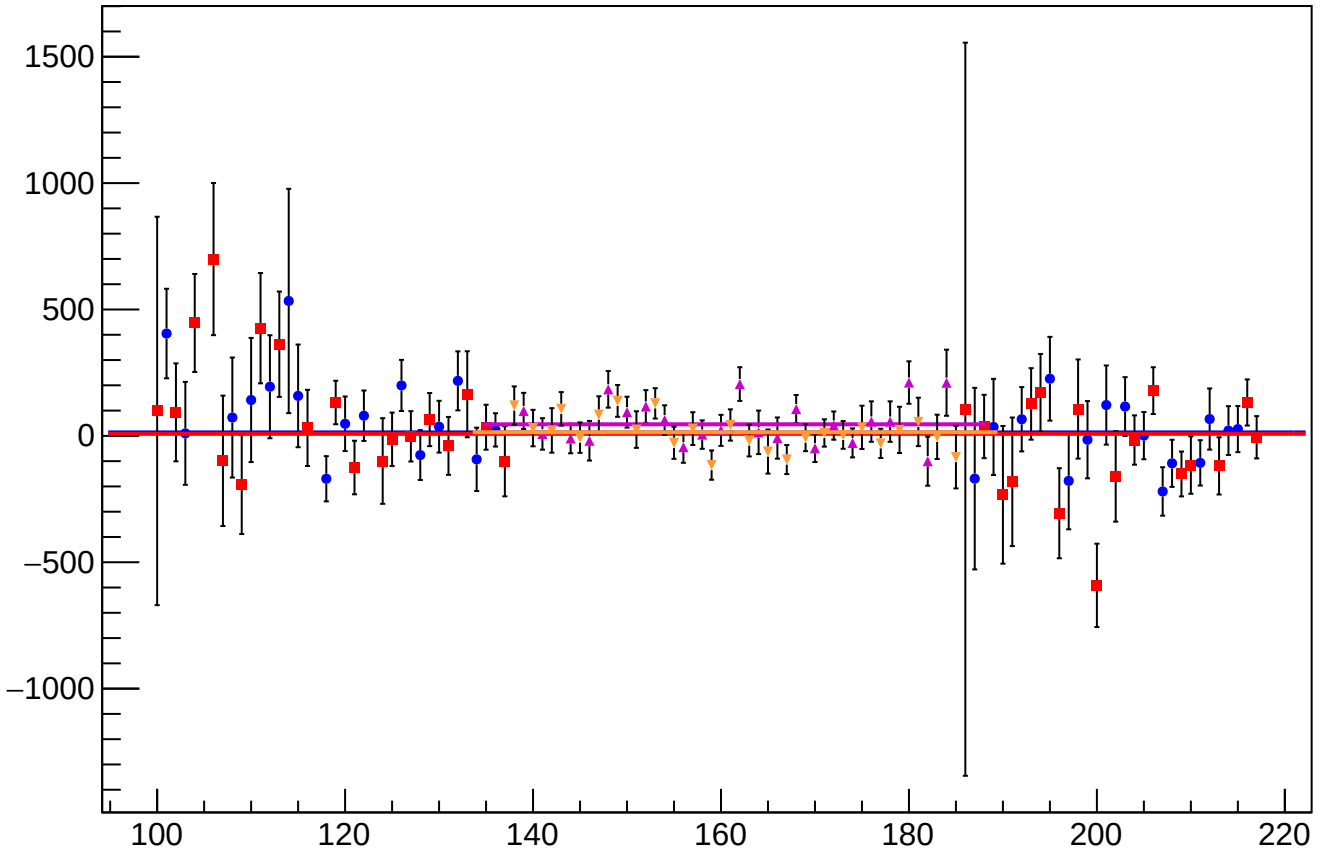
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 716.721+/-0.084 χ^2/NDF: 7115608.7/66

In: 297.311+/-0.039 χ^2/NDF:17646172.8/53

Out: 299.485+/-0.039 χ^2/NDF:20142715.6/60

All: 298.412+/-0.028 χ^2/NDF: 37790431.0/11



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: 8.159+/-21.807 χ^2/NDF: 56.2/35

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

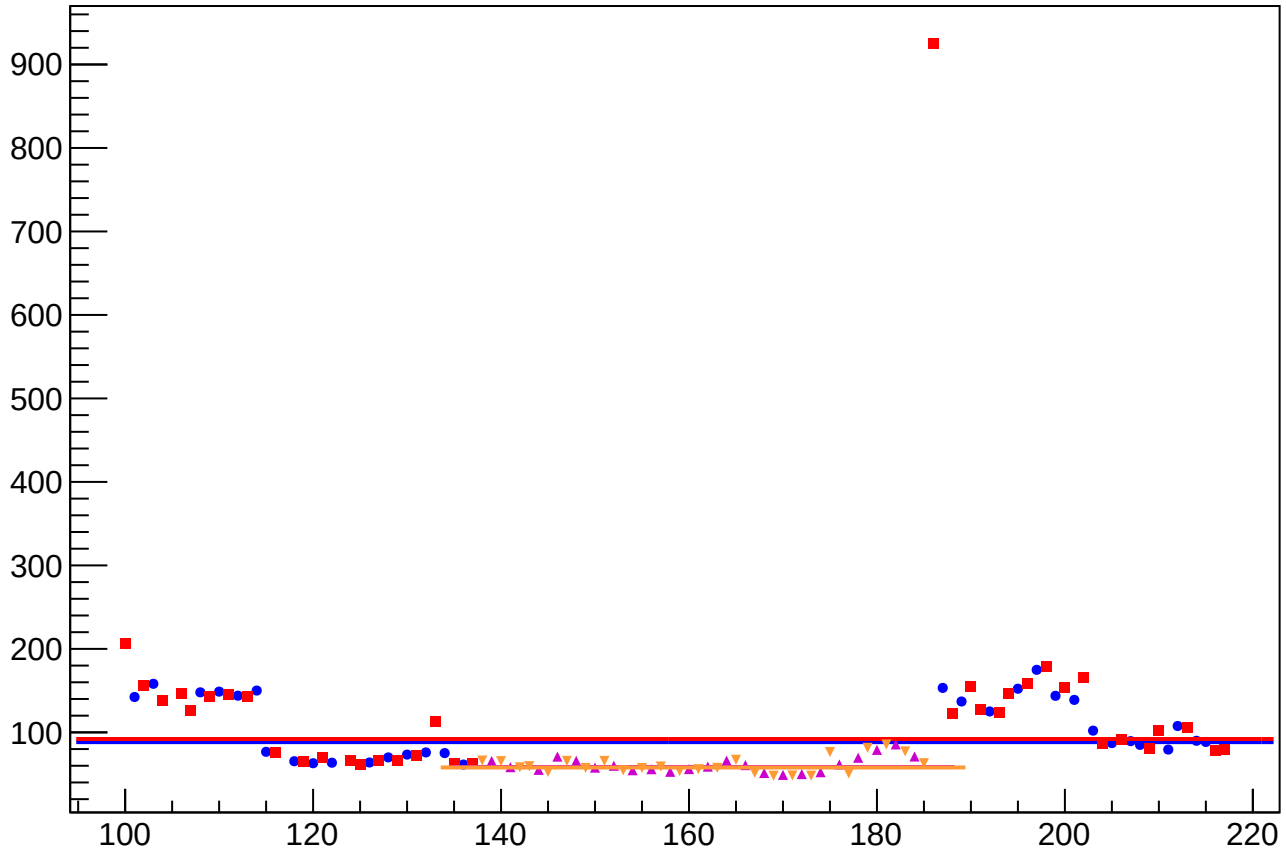
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 10.980+/-15.254 χ^2/NDF: 91.0/66

In: 36.209+/-11.666 χ^2/NDF:67.1/53

Out: 12.750+/-11.450 χ^2/NDF:80.8/60

All: 24.261+/-8.172 χ^2/NDF: 149.9/114



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: 92.051+/-0.015 χ^2/NDF: 4741647.1/35

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

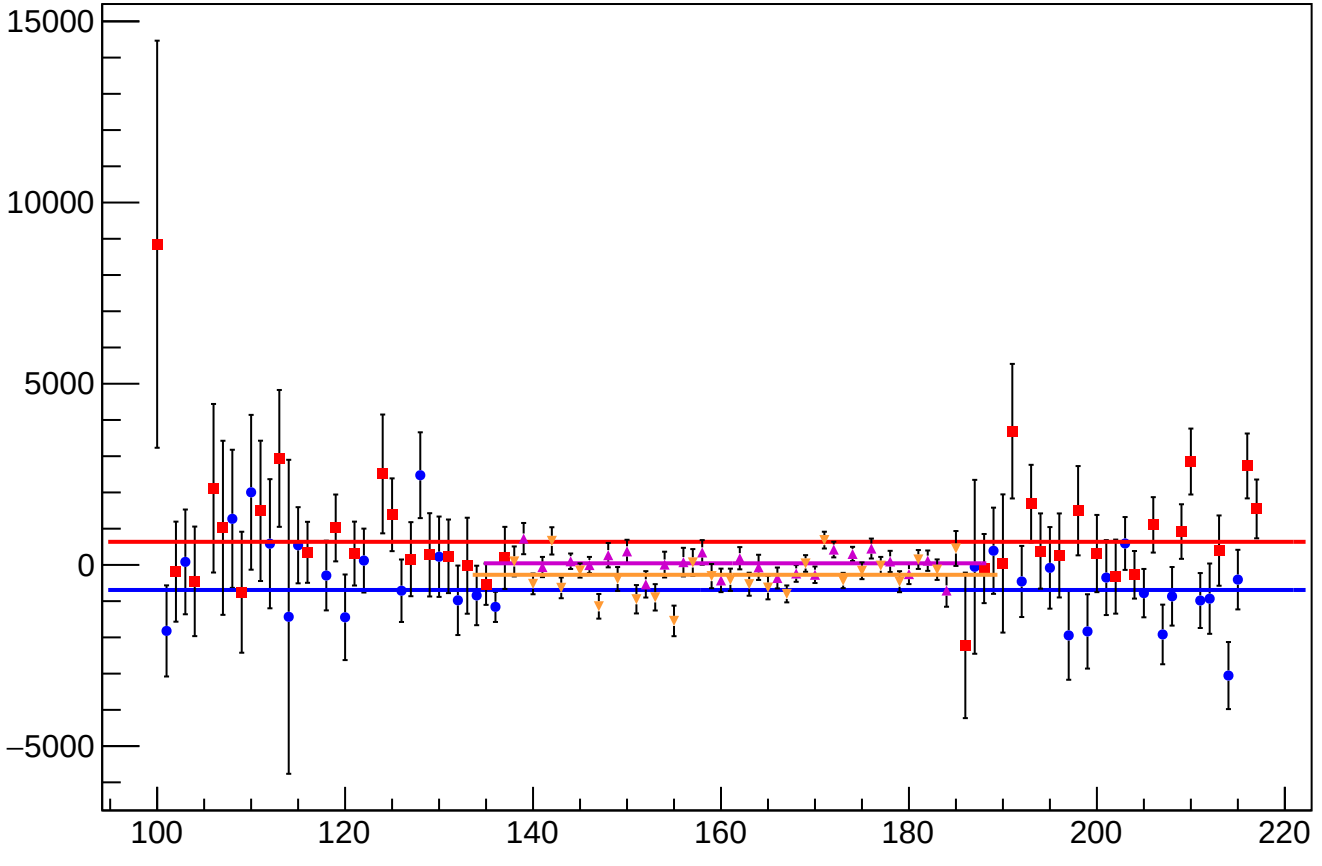
Right: 90.144+/-0.011 χ^2/NDF: 8245108.8/66

In: 67.393+/-0.008 χ^2/NDF:6864264.3/53

Out: 67.363+/-0.008 χ^2/NDF:9177645.2/60

All: 67.378+/-0.006 χ^2/NDF: 16041916.4/114

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -691.650+/-168.992 χ^2/NDF: 32.2/30

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 637.227+/-174.166 χ^2/NDF: 36.5/35

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

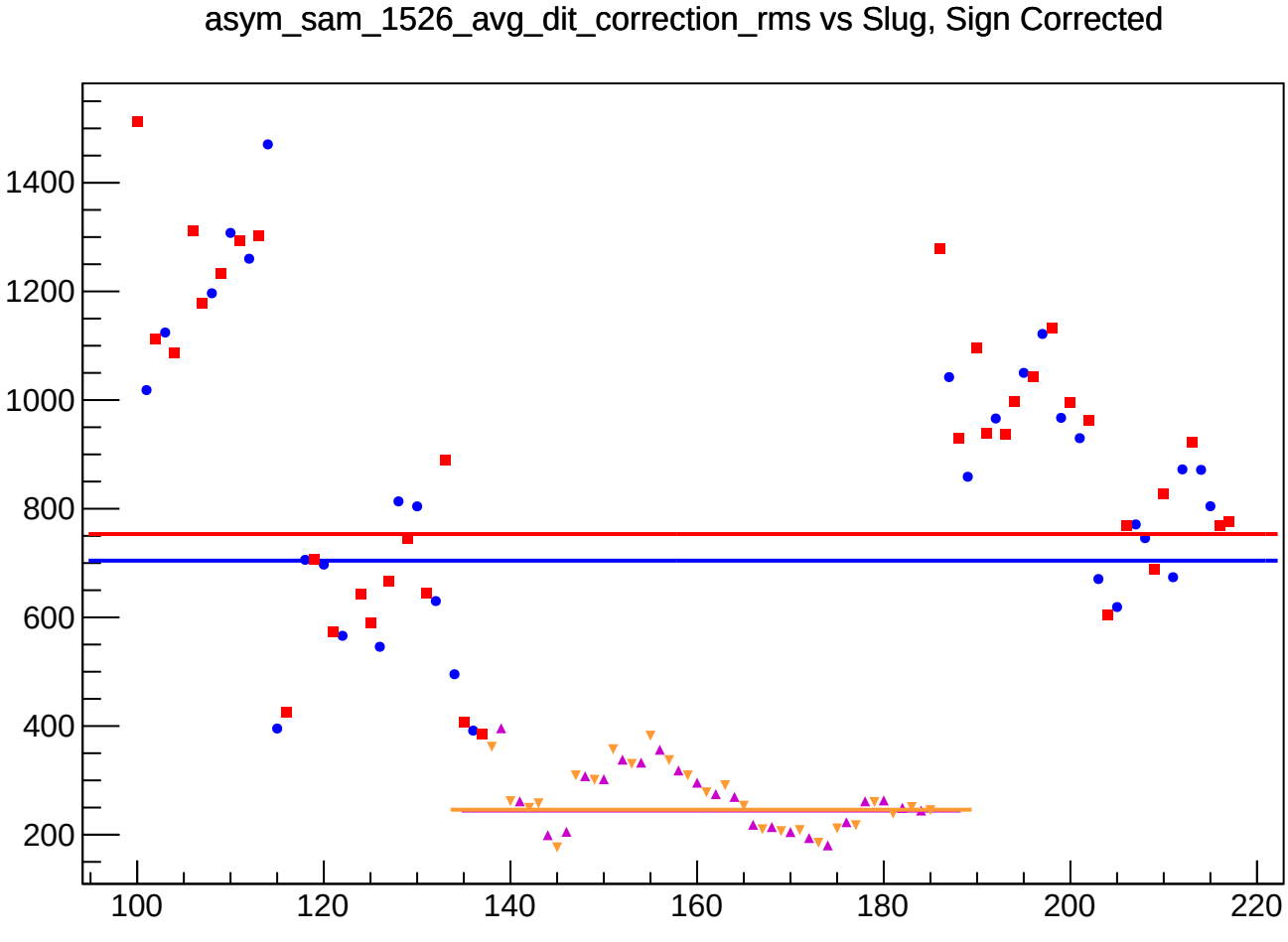
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -47.245+/-121.283 χ^2/NDF: 98.6/66

In: -34.504+/-55.378 χ^2/NDF:75.6/53

Out: -183.734+/-54.408 χ^2/NDF:126.8/60

All: -110.437+/-38.810 χ^2/NDF: 206.2/114



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: 753.366+/-0.123 χ^2/NDF: 3709812.8/35

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

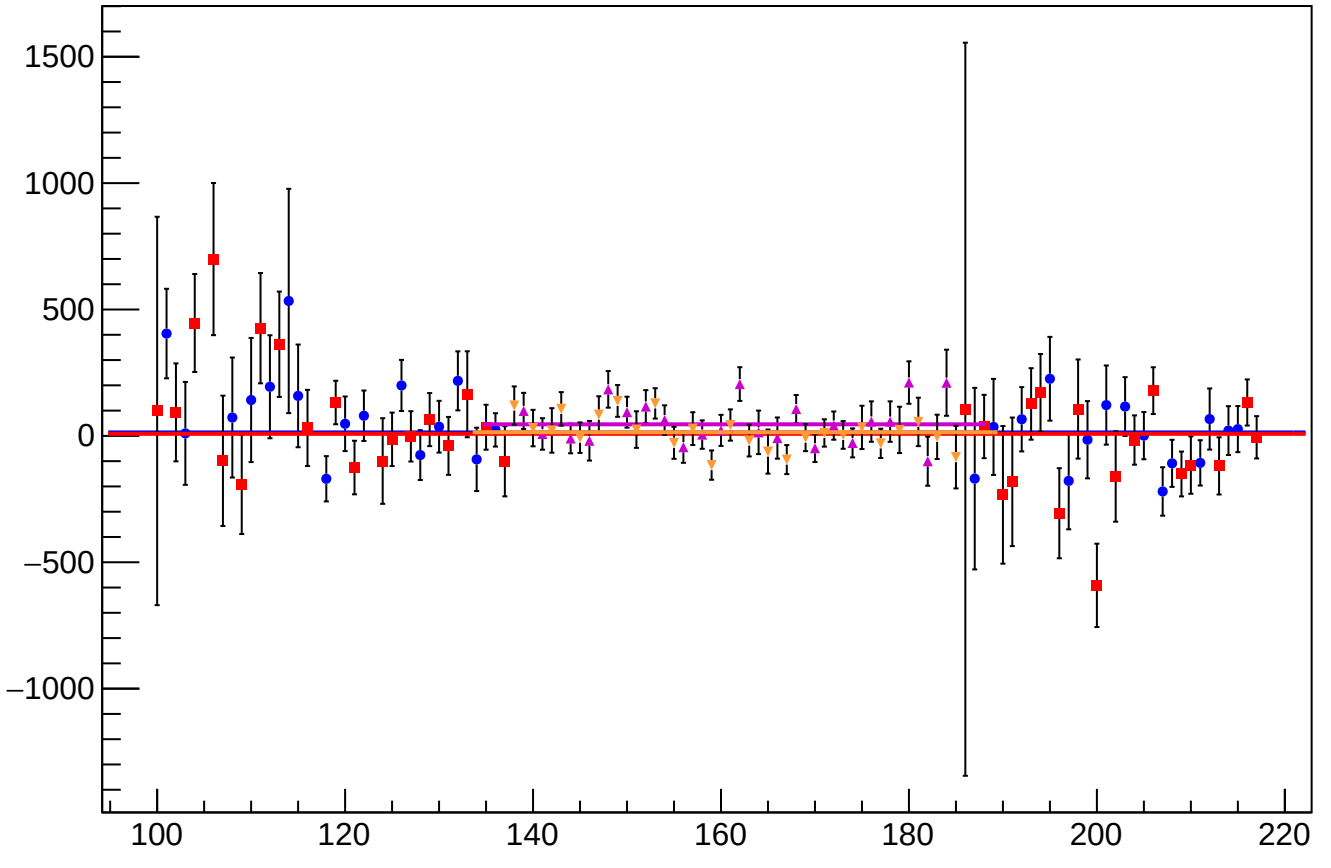
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 728.150+/-0.086 χ^2/NDF: 7303880.8/66

In: 293.842+/-0.039 χ^2/NDF:18334922.9/53

Out: 295.527+/-0.038 χ^2/NDF:20705528.1/60

All: 294.700+/-0.027 χ^2/NDF: 39041393.3/11



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: 8.158+/-21.807 χ^2/NDF: 56.2/35

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

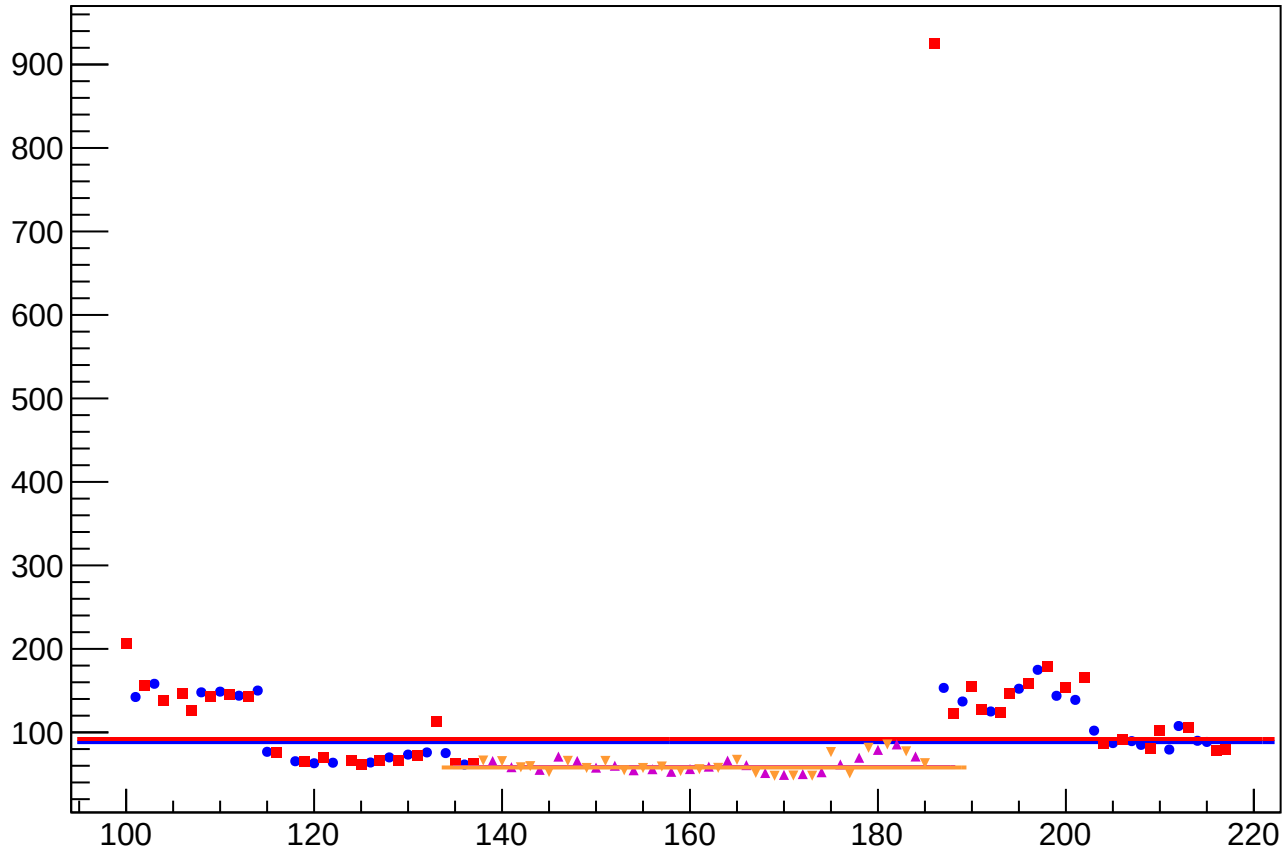
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 10.980+/-15.254 χ^2/NDF: 91.0/66

In: 36.209+/-11.666 χ^2/NDF:67.1/53

Out: 12.750+/-11.450 χ^2/NDF:80.8/60

All: 24.260+/-8.172 χ^2/NDF: 149.9/114



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: 92.051+/-0.015 χ^2/NDF: 4741660.0/35

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

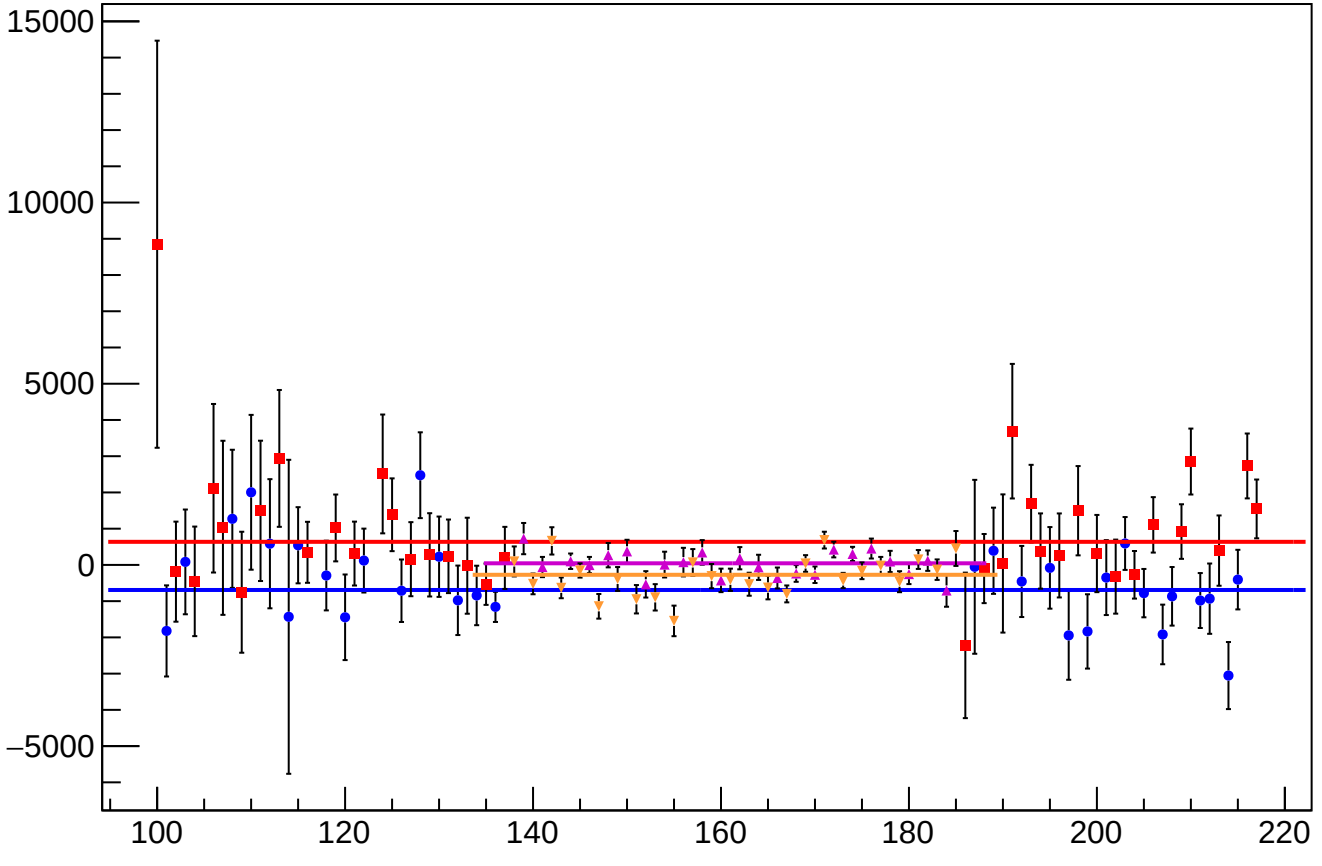
Right: 90.143+/-0.011 χ^2/NDF: 8245126.2/66

In: 67.393+/-0.008 χ^2/NDF:6864189.3/53

Out: 67.363+/-0.008 χ^2/NDF:9177600.0/60

All: 67.378+/-0.006 χ^2/NDF: 16041796.2/114

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: 637.226+/-174.166 χ^2/NDF: 36.5/35

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

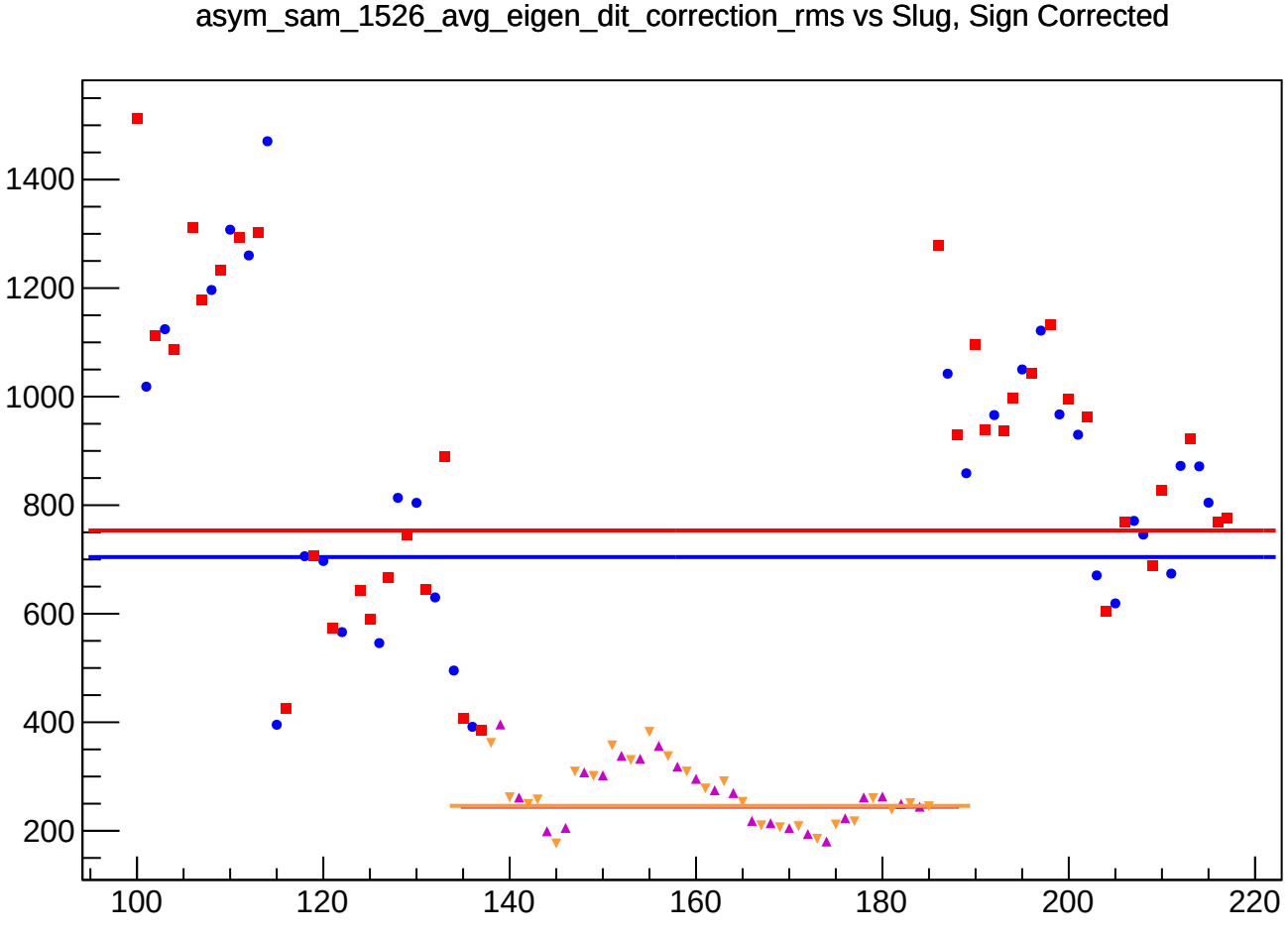
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -47.244+/-121.283 χ^2/NDF: 98.6/66

In: -34.504+/-55.378 χ^2/NDF:75.6/53

Out: -183.734+/-54.408 χ^2/NDF:126.8/60

All: -110.437+/-38.810 χ^2/NDF: 206.2/114



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: 753.365+/-0.123 χ^2/NDF: 3709792.3/35

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

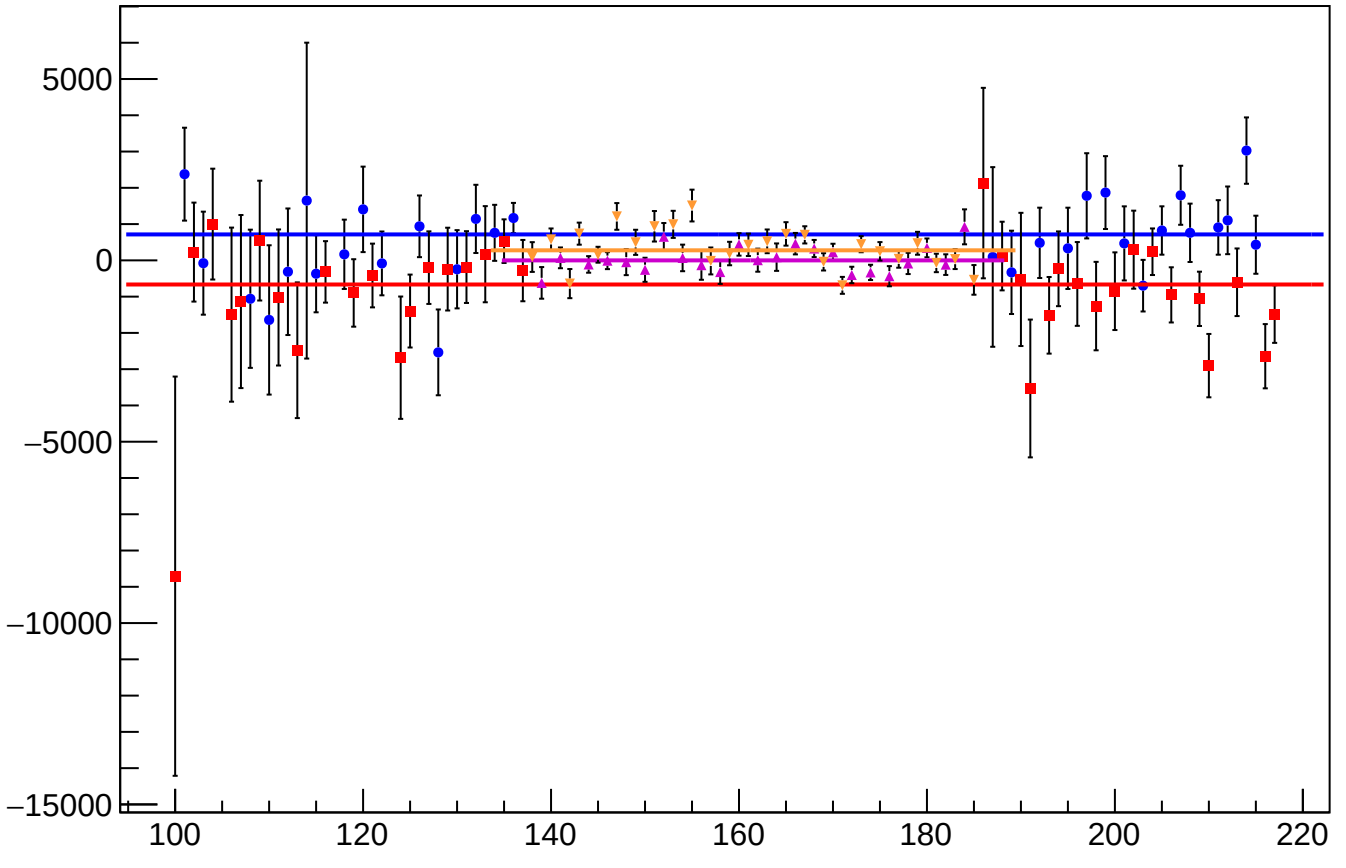
Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

Right: 728.150+/-0.086 χ^2/NDF: 7303844.5/66

In: 293.842+/-0.039 χ^2/NDF:18334911.7/53

Out: 295.527+/-0.038 χ^2/NDF:20705541.8/60

All: 294.699+/-0.027 χ^2/NDF: 39041395.5/1



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: -665.380+/-173.852 χ^2/NDF: 33.8/35

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

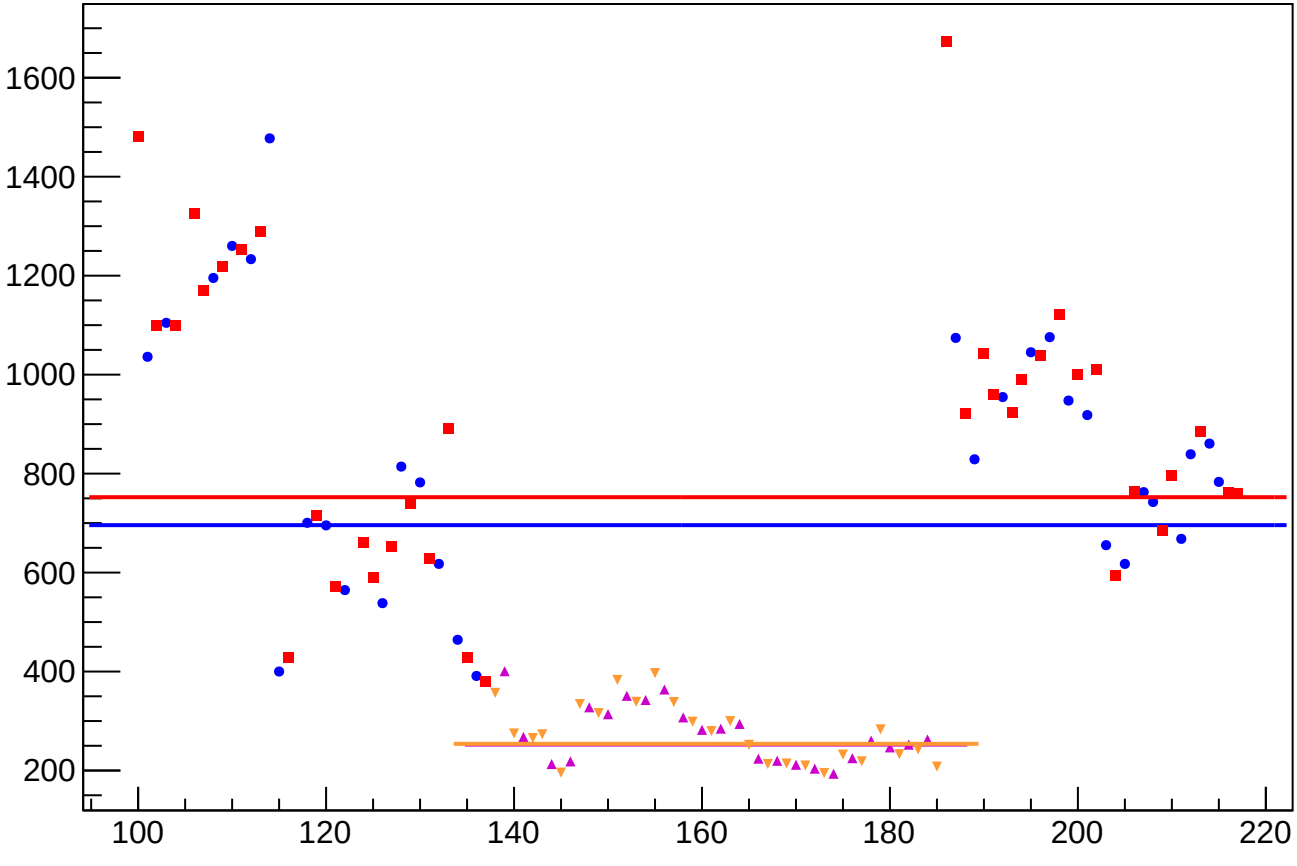
Right: 53.383+/-120.373 χ^2/NDF: 99.3/66

In: 82.291+/-56.756 χ^2/NDF:77.1/53

Out: 179.303+/-55.996 χ^2/NDF:124.2/60

All: 131.451+/-39.861 χ^2/NDF: 202.8/114

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: 752.327+/-0.123 χ^2/NDF: 3643975.0/35

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

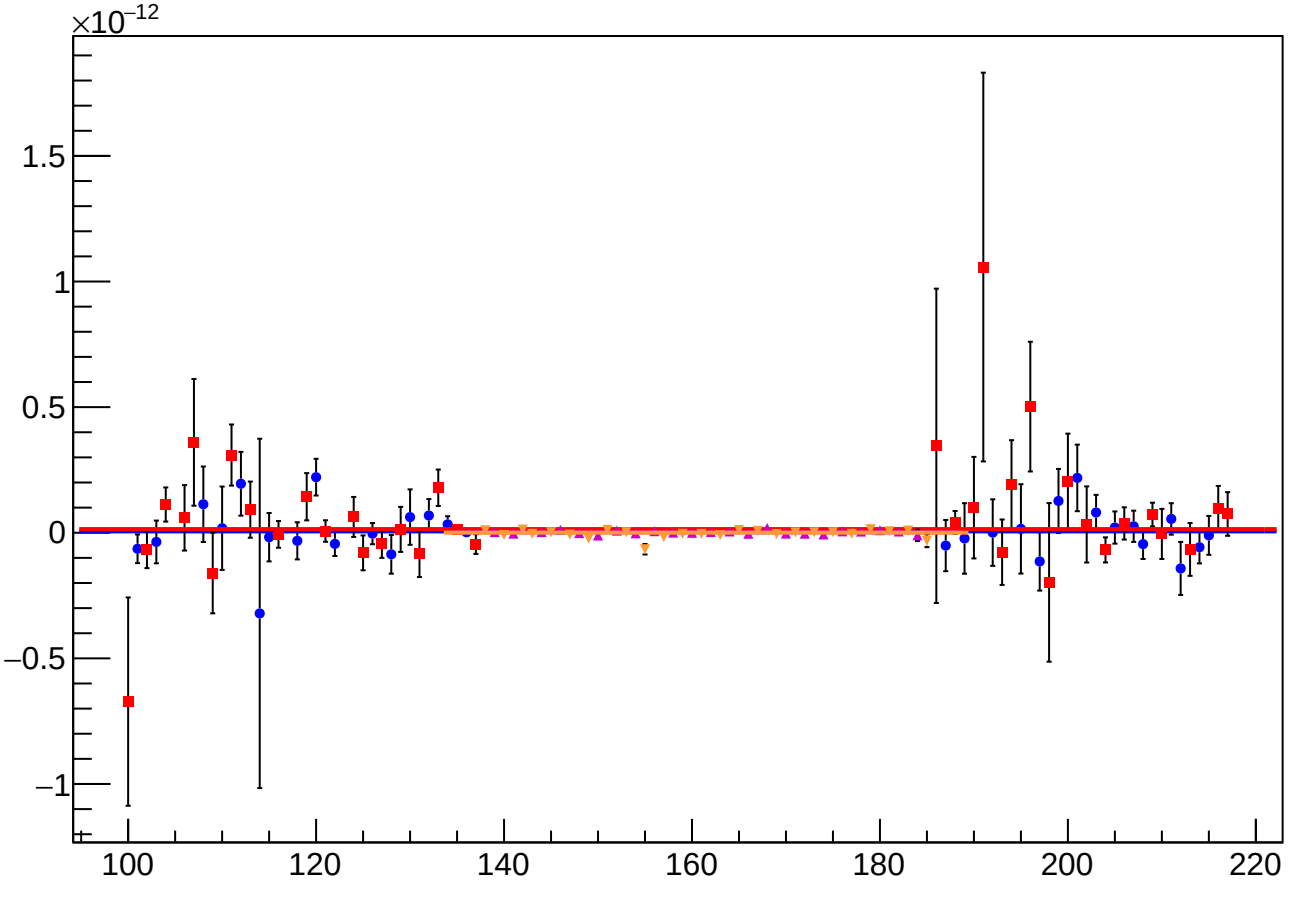
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 722.929+/-0.085 χ^2/NDF: 7200613.8/66

In: 303.716+/-0.040 χ^2/NDF:17355330.7/53

Out: 305.656+/-0.040 χ^2/NDF:19965074.0/60

All: 304.699+/-0.028 χ^2/NDF: 37321589.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.1/35

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

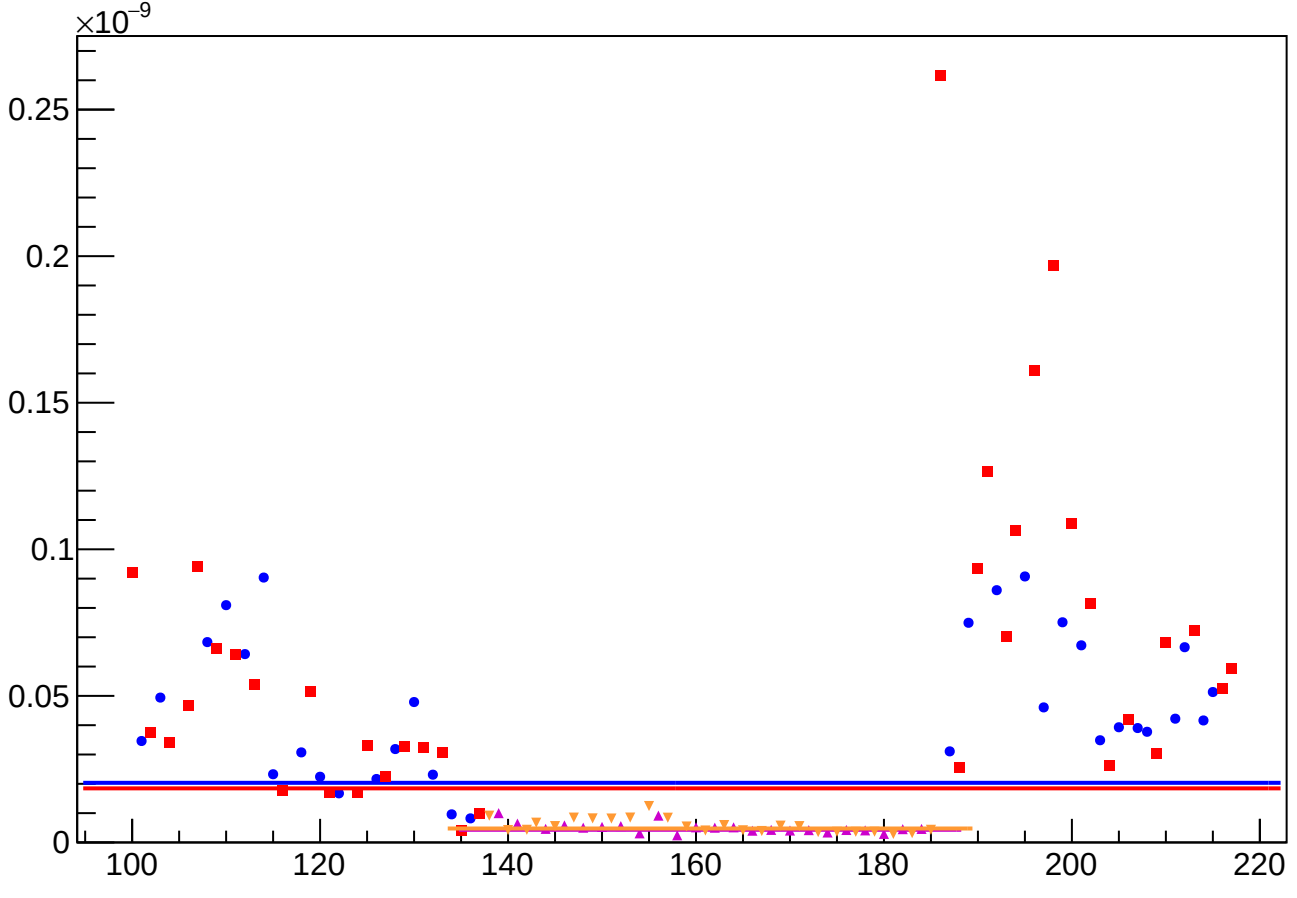
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 74.3/66

In: 0.000+/-0.000 χ^2/NDF:42.9/53

Out: 0.000+/-0.000 χ^2/NDF:74.2/60

All: 0.000+/-0.000 χ^2/NDF: 117.1/114



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: 9874994.3/35

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

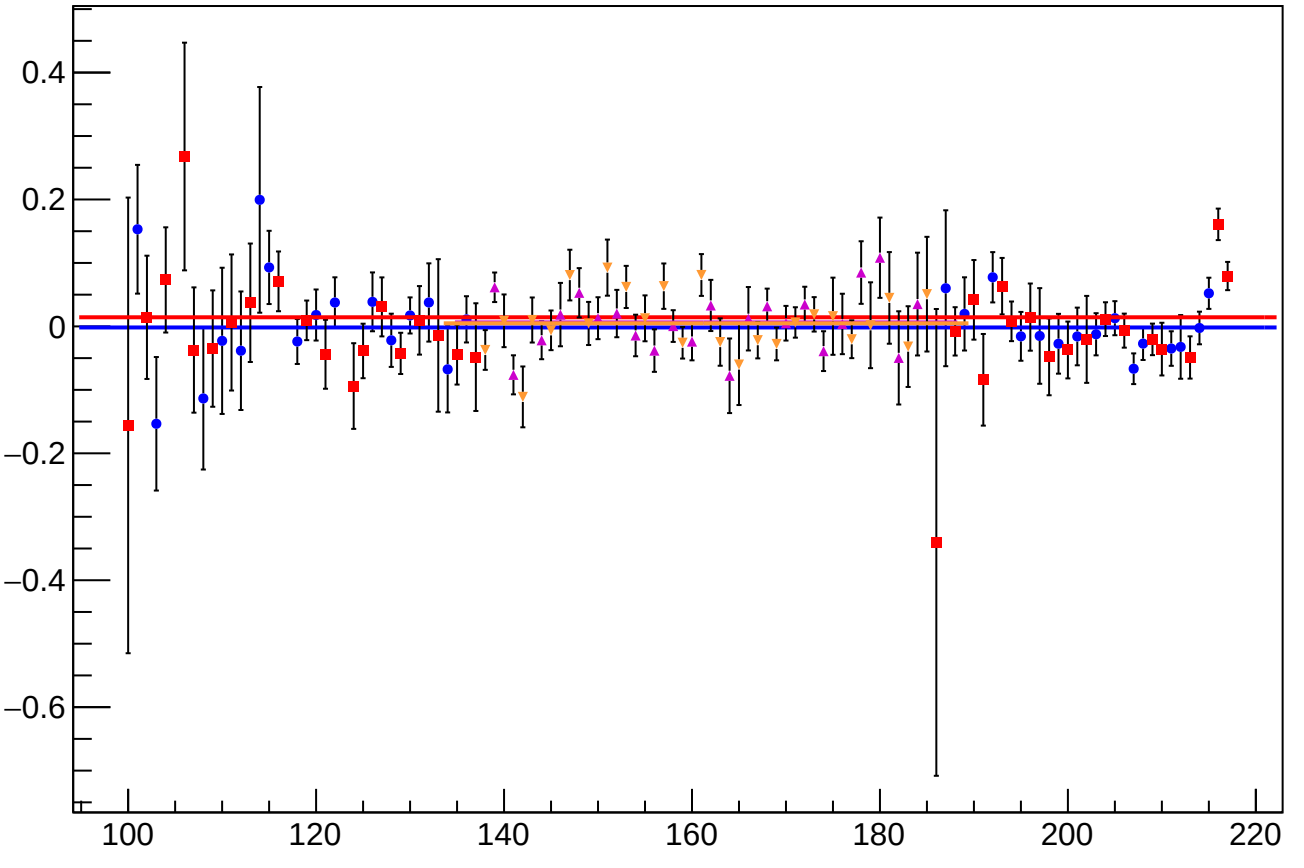
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16709593.7/66

In: 0.000+/-0.000 χ^2/NDF:13313406.1/53

Out: 0.000+/-0.000 χ^2/NDF:15533789.9/60

All: 0.000+/-0.000 χ^2/NDF: 28889275.0/114



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: 0.014+/-0.007 χ^2/NDF: 73.7/35

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

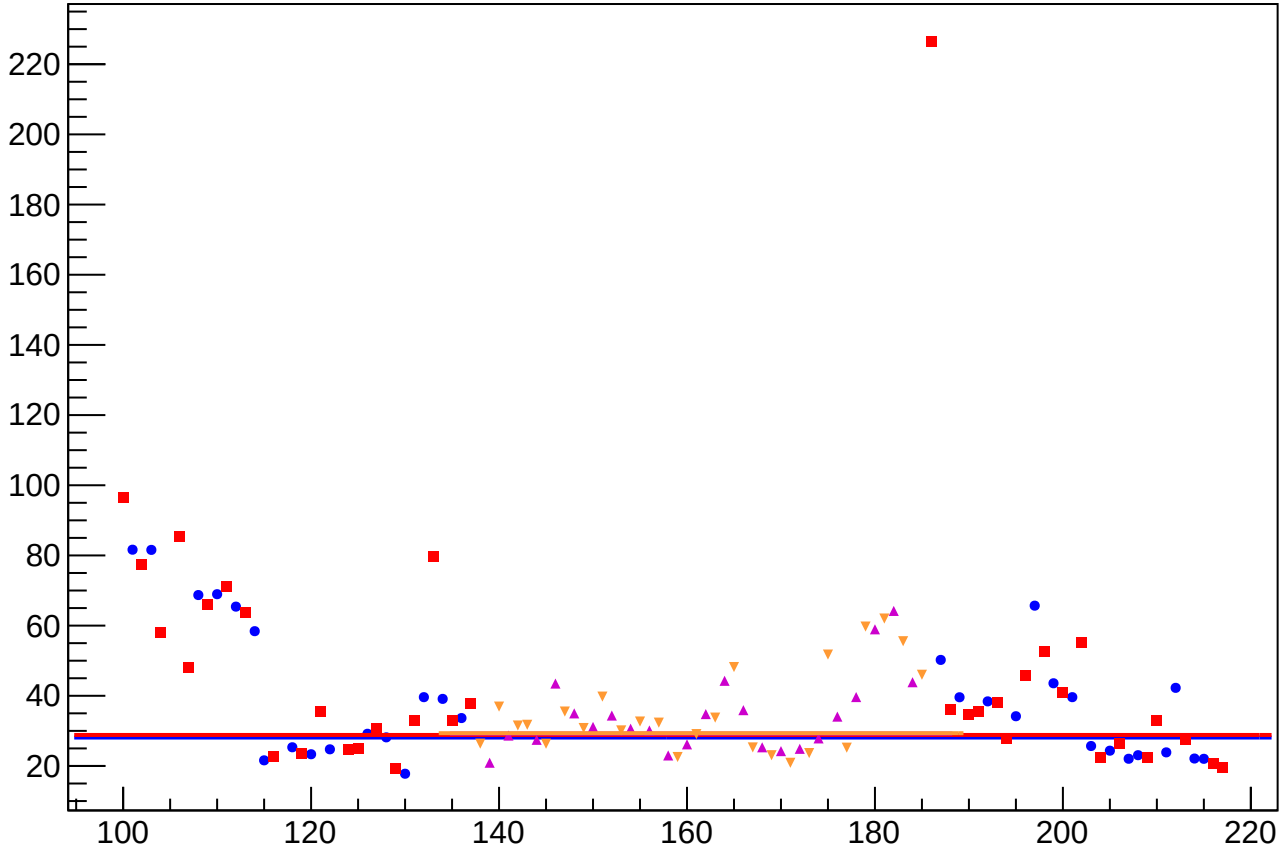
Right: 0.006+/-0.005 χ^2/NDF: 110.4/66

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: 0.010+/-0.005 χ^2/NDF:108.5/60

All: 0.006+/-0.004 χ^2/NDF: 175.4/114

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: 28.836+/-0.005 χ^2/NDF: 5329952.5/35

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

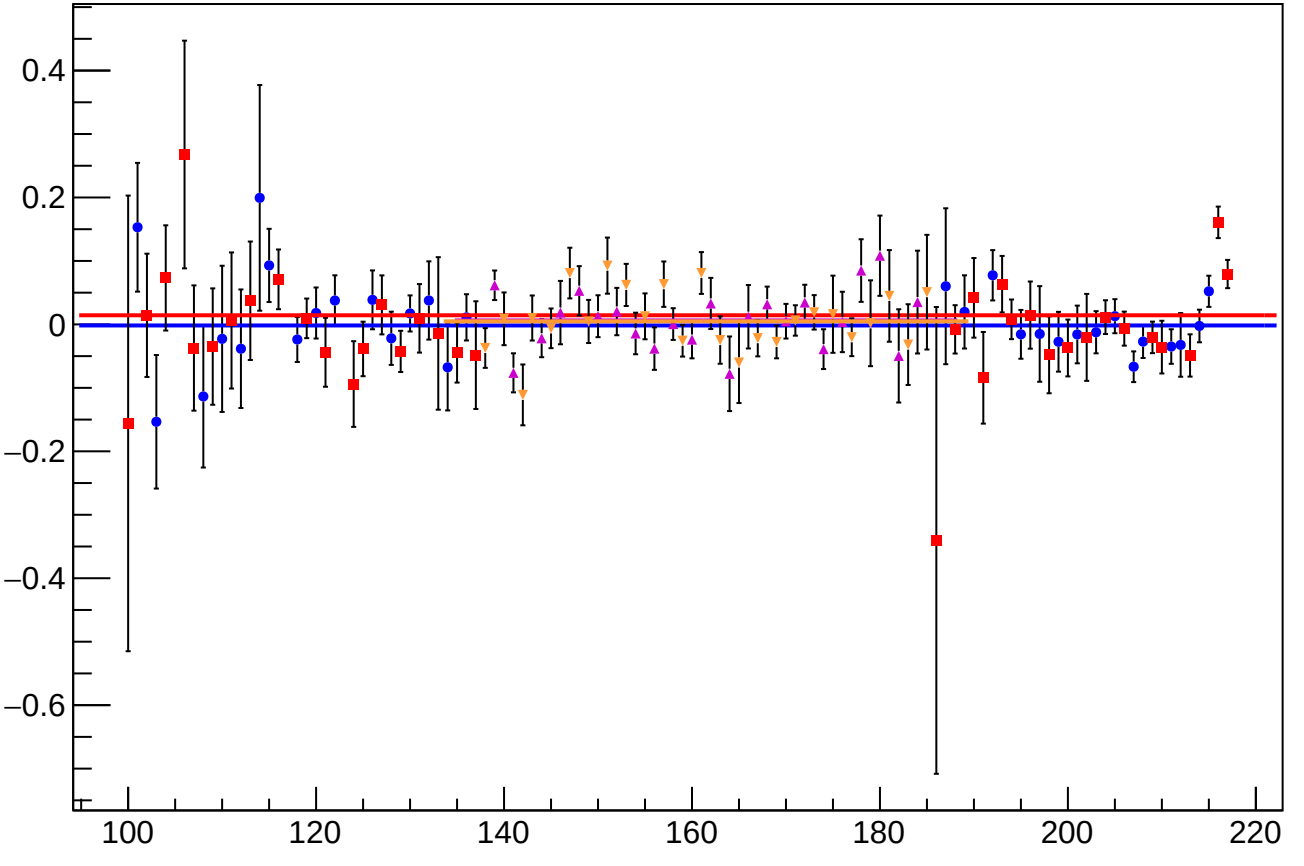
Right: 28.466+/-0.004 χ^2/NDF: 9677604.1/66

In: 28.655+/-0.004 χ^2/NDF:6459196.7/53

Out: 29.090+/-0.004 χ^2/NDF:8022015.0/60

All: 28.874+/-0.003 χ^2/NDF: 14488561.8/114

asym_sam_1526_avg_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: 0.014+/-0.007 χ^2/NDF: 73.7/35

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

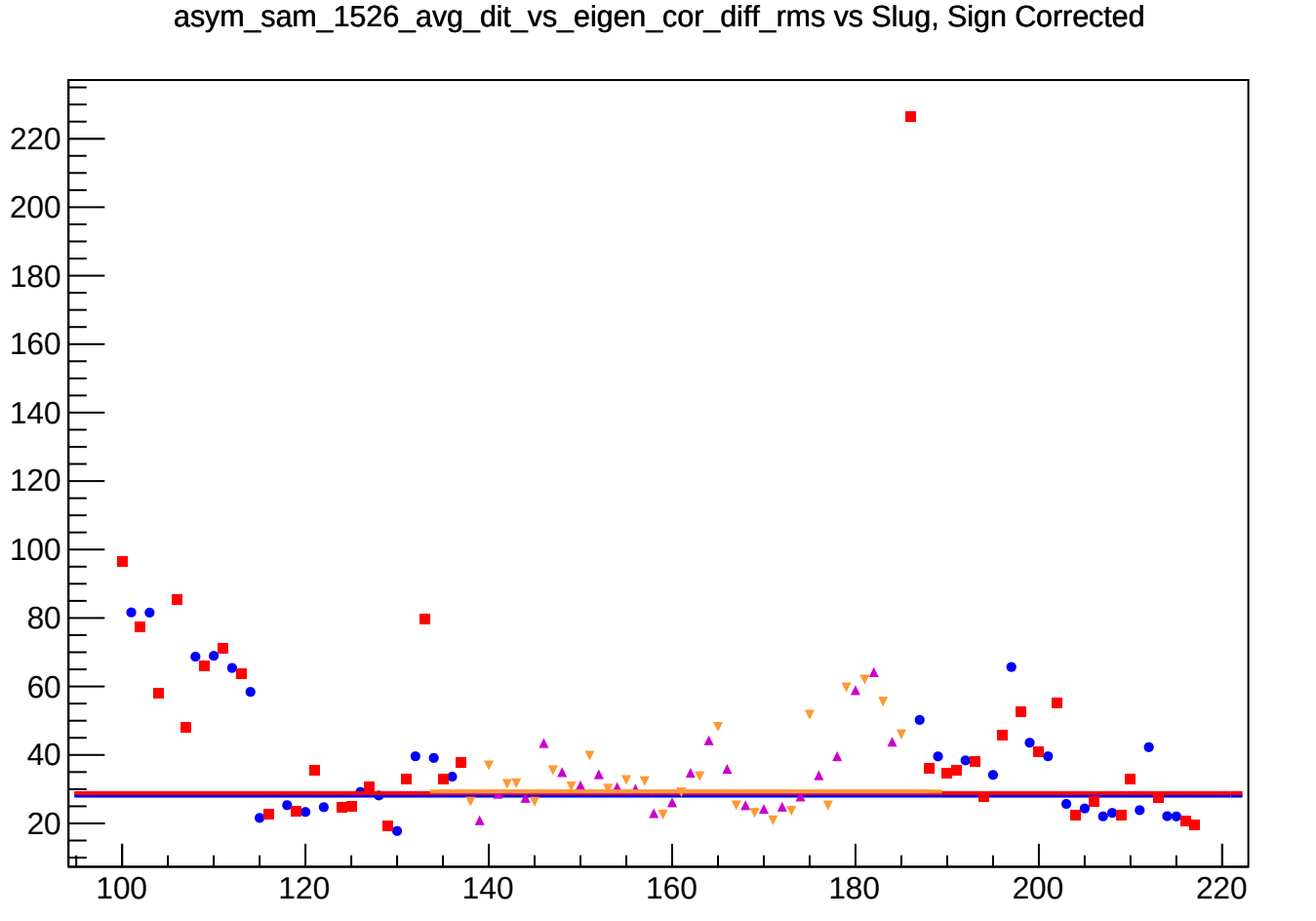
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.006+/-0.005 χ^2/NDF: 110.4/66

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: 0.010+/-0.005 χ^2/NDF:108.5/60

All: 0.006+/-0.004 χ^2/NDF: 175.4/114



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: 28.836+/-0.005 χ^2/NDF: 5329952.5/35

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

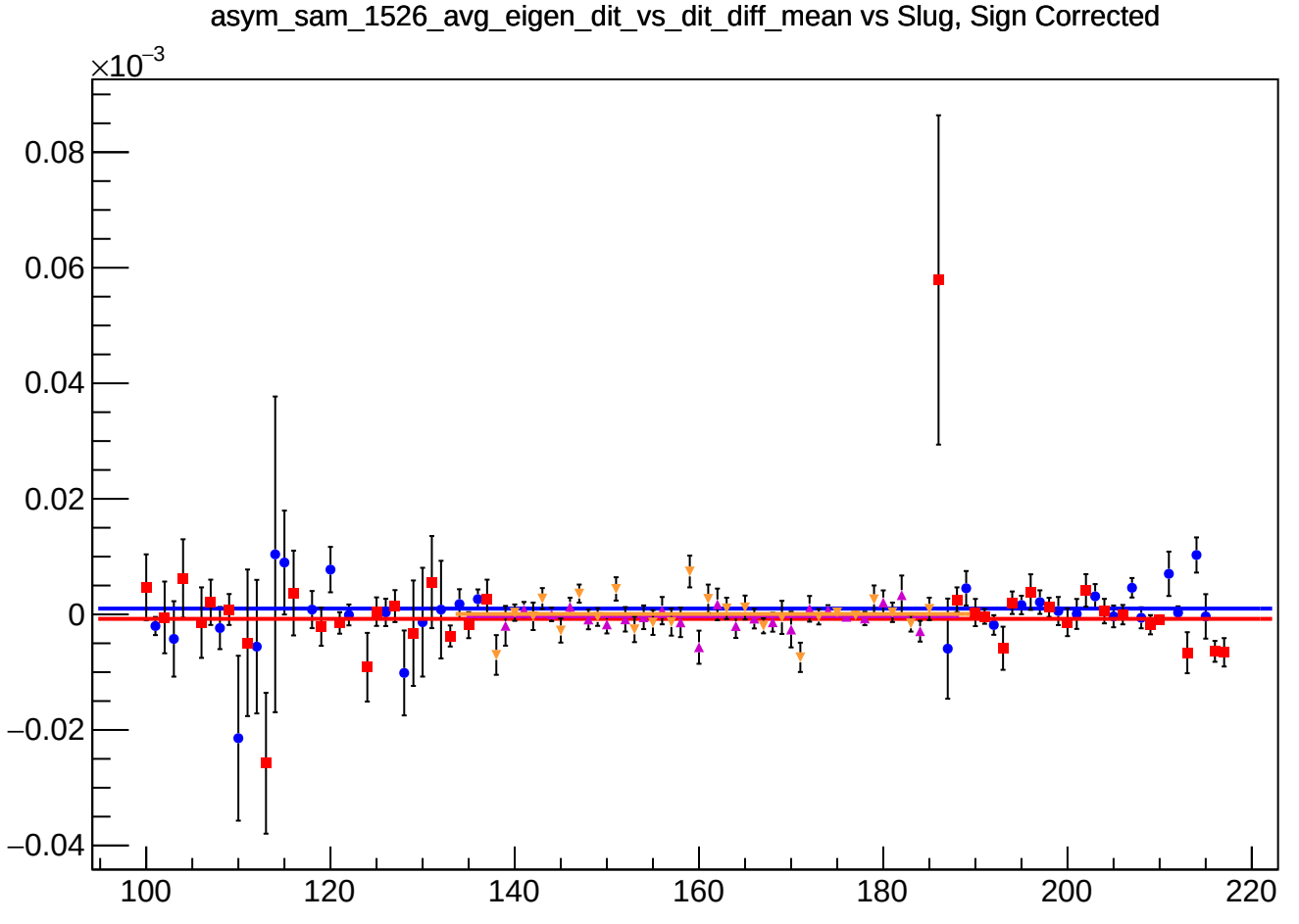
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 28.466+/-0.004 χ^2/NDF: 9677604.1/66

In: 28.655+/-0.004 χ^2/NDF:6459196.7/53

Out: 29.090+/-0.004 χ^2/NDF:8022015.0/60

All: 28.874+/-0.003 χ^2/NDF: 14488561.8/114



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: 52.0/35

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

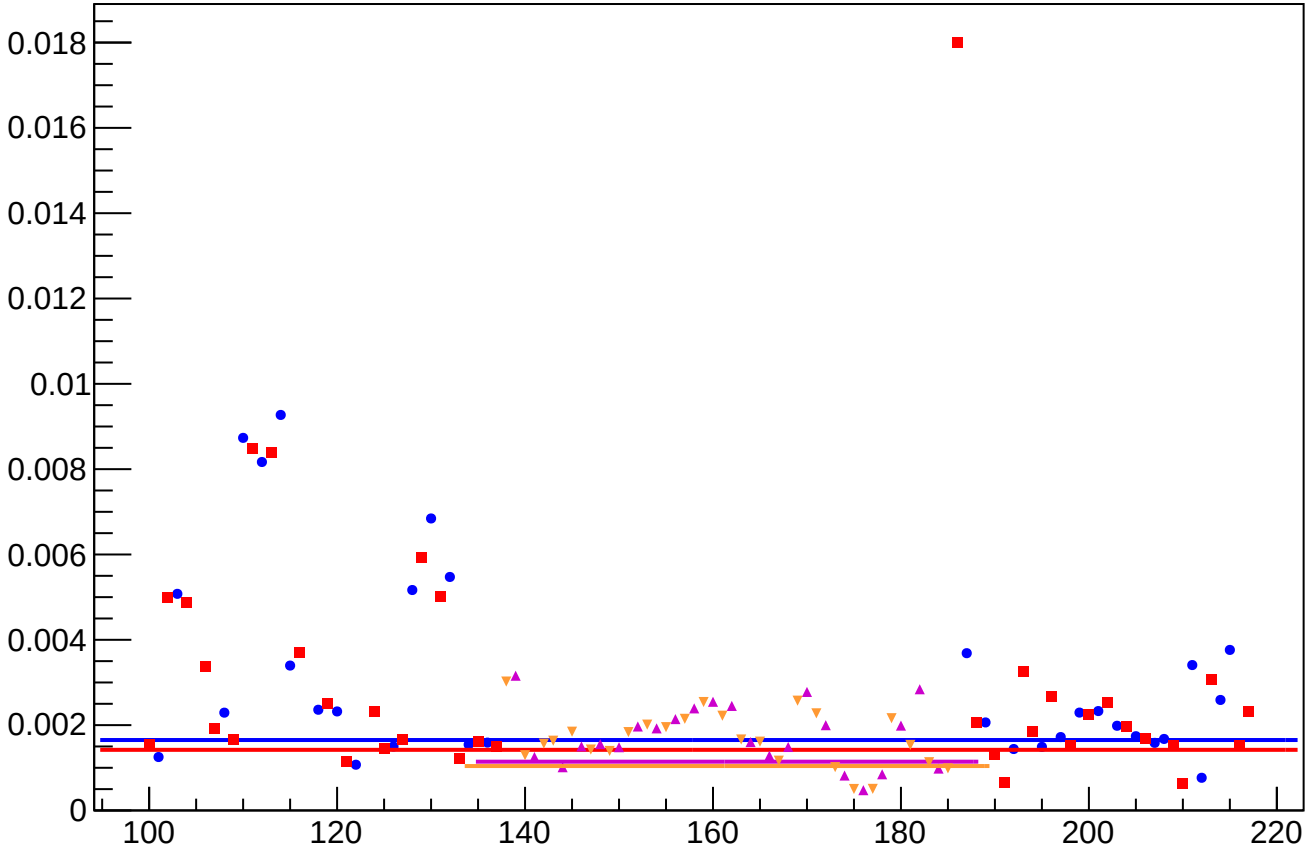
Right: -0.000+/-0.000 χ^2/NDF: 102.0/66

In: 0.000+/-0.000 χ^2/NDF:61.9/53

Out: -0.000+/-0.000 χ^2/NDF:99.0/60

All: -0.000+/-0.000 χ^2/NDF: 162.1/114

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: 10515431.7/35

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

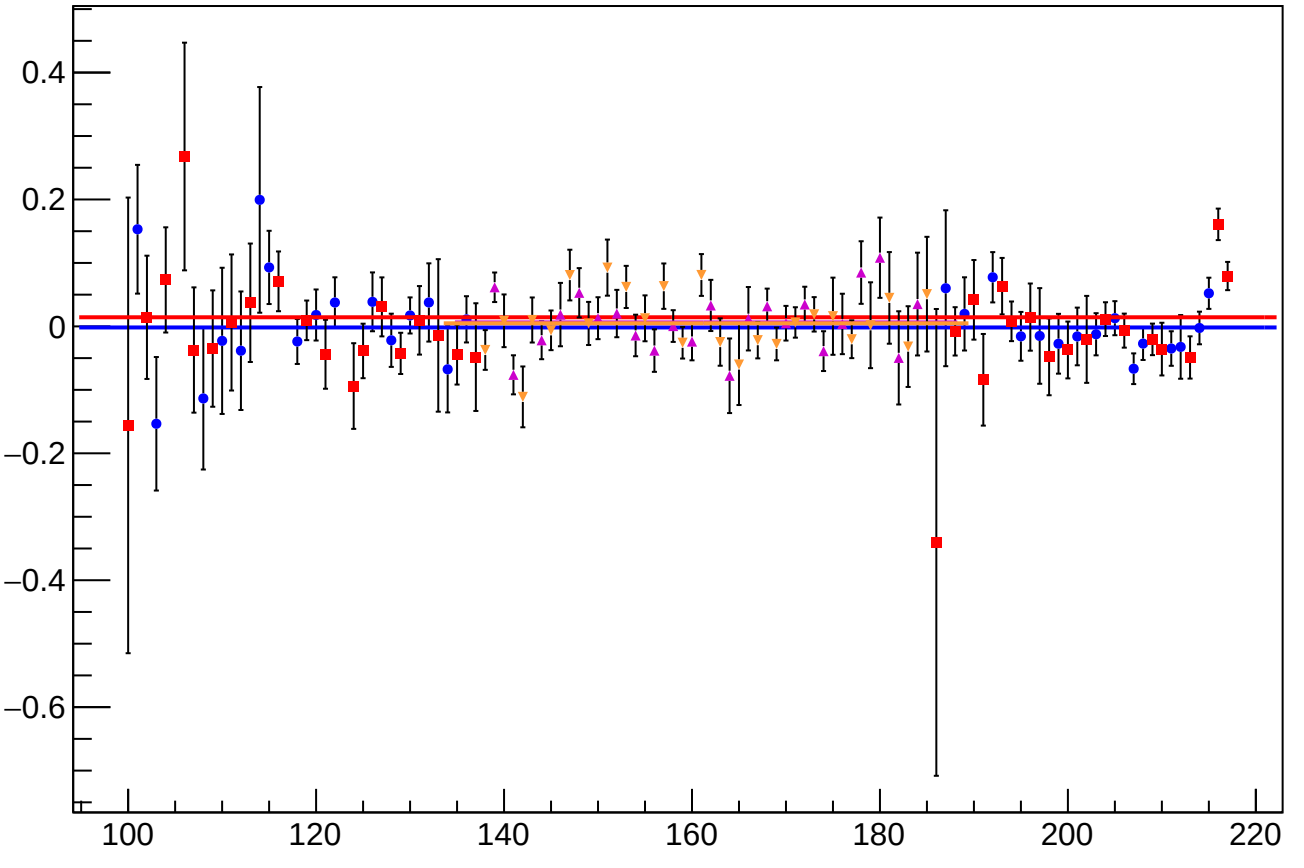
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 17851850.0/66

In: 0.001+/-0.000 χ^2/NDF:17127020.2/53

Out: 0.001+/-0.000 χ^2/NDF:21674928.3/60

All: 0.001+/-0.000 χ^2/NDF: 39142896.2/114



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: 0.014+/-0.007 χ^2/NDF: 73.7/35

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

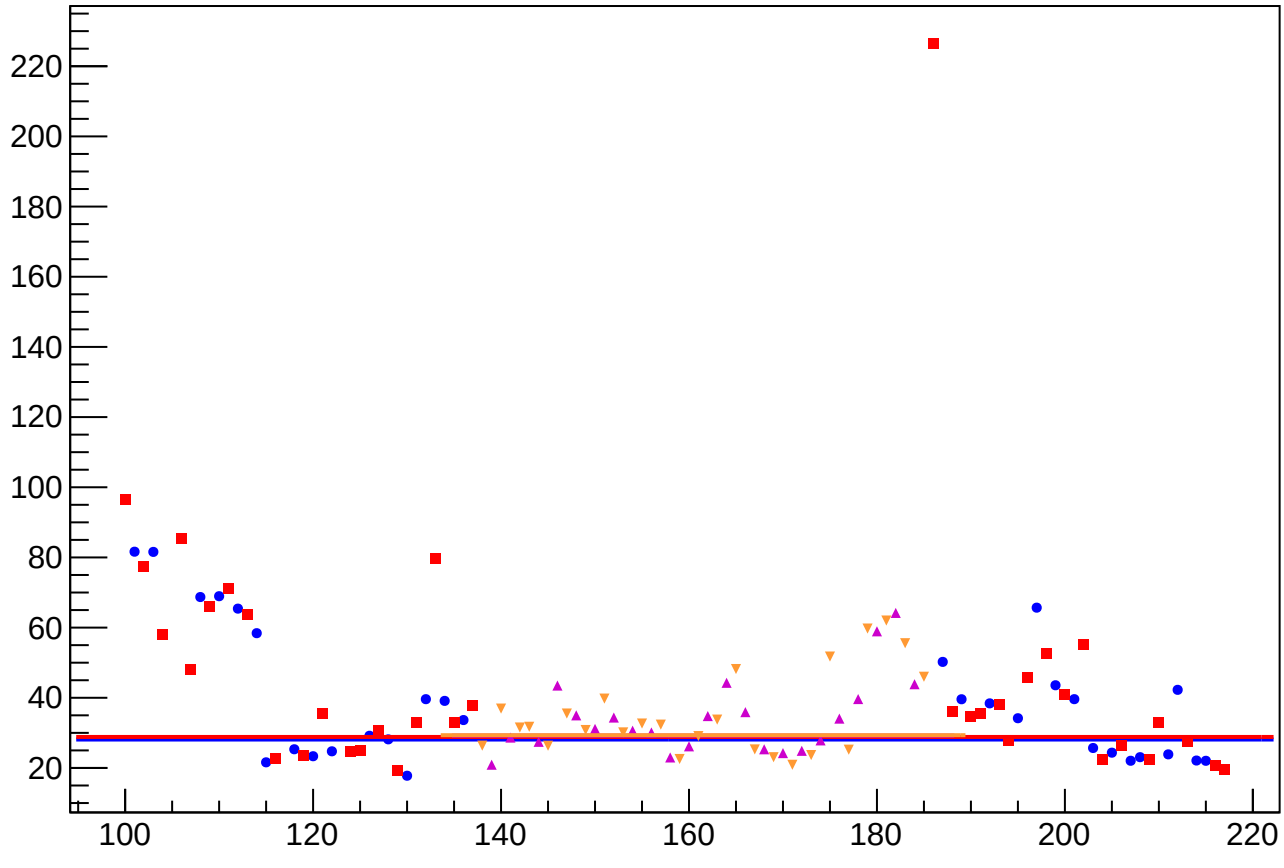
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.006+/-0.005 χ^2/NDF: 110.4/66

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: 0.010+/-0.005 χ^2/NDF:108.5/60

All: 0.006+/-0.004 χ^2/NDF: 175.4/114



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: 28.836+/-0.005 χ^2/NDF: 5330219.8/35

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

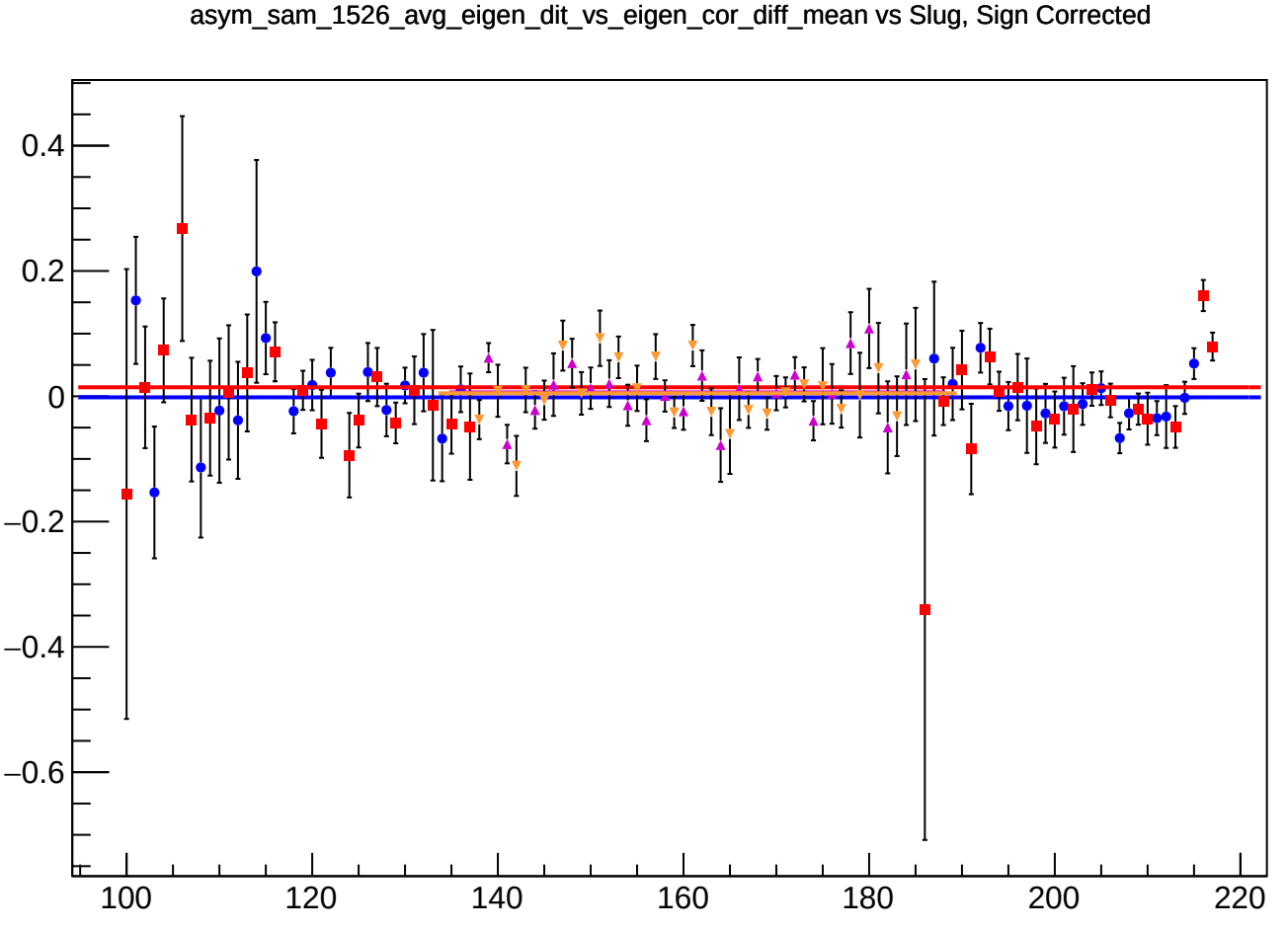
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 28.465+/-0.004 χ^2/NDF: 9678075.0/66

In: 28.655+/-0.004 χ^2/NDF:6459408.4/53

Out: 29.090+/-0.004 χ^2/NDF:8022341.3/60

All: 28.874+/-0.003 χ^2/NDF: 14489092.7/114



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: 0.014+/-0.007 χ^2/NDF: 73.7/35

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

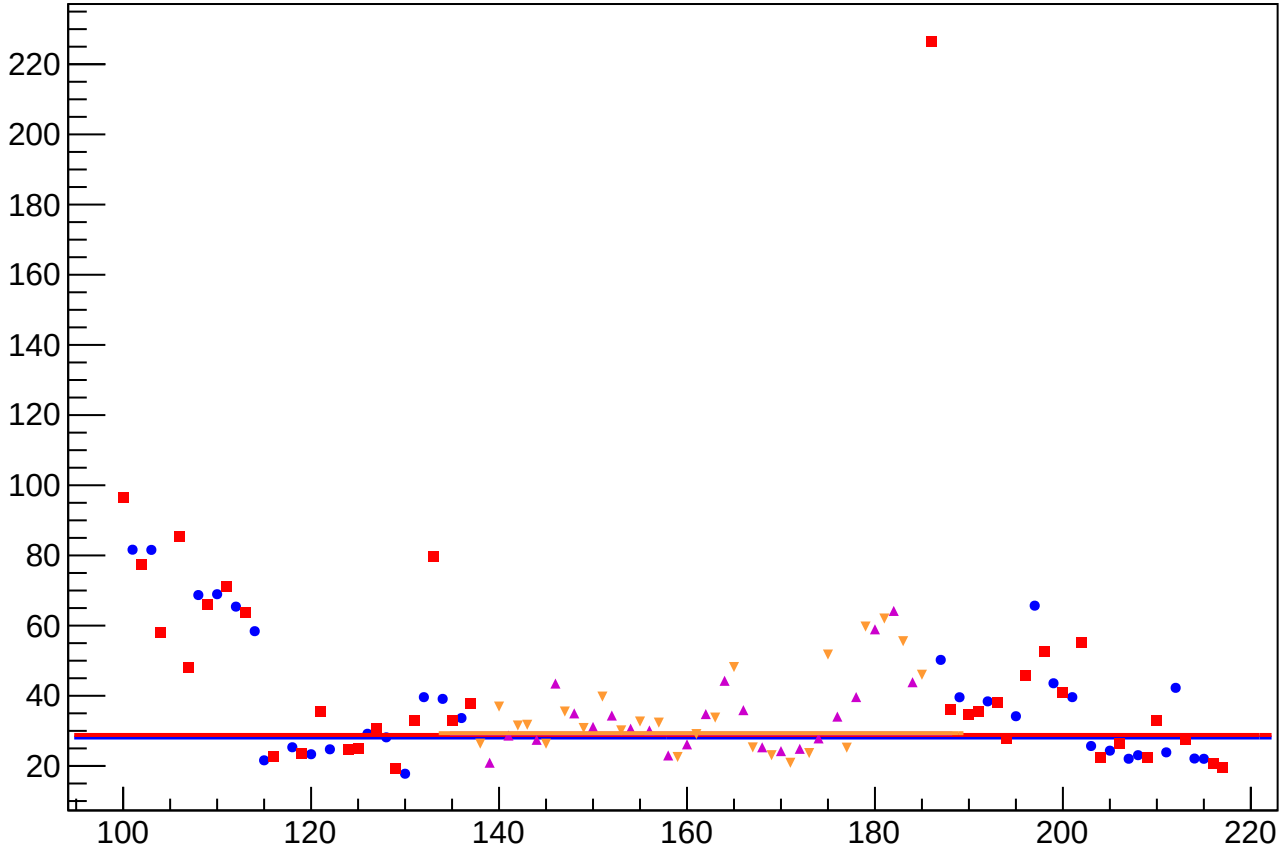
Right: 0.006+/-0.005 χ^2/NDF: 110.4/66

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: 0.010+/-0.005 χ^2/NDF:108.5/60

All: 0.006+/-0.004 χ^2/NDF: 175.4/114

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: 28.836+/-0.005 χ^2/NDF: 5330219.8/35

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

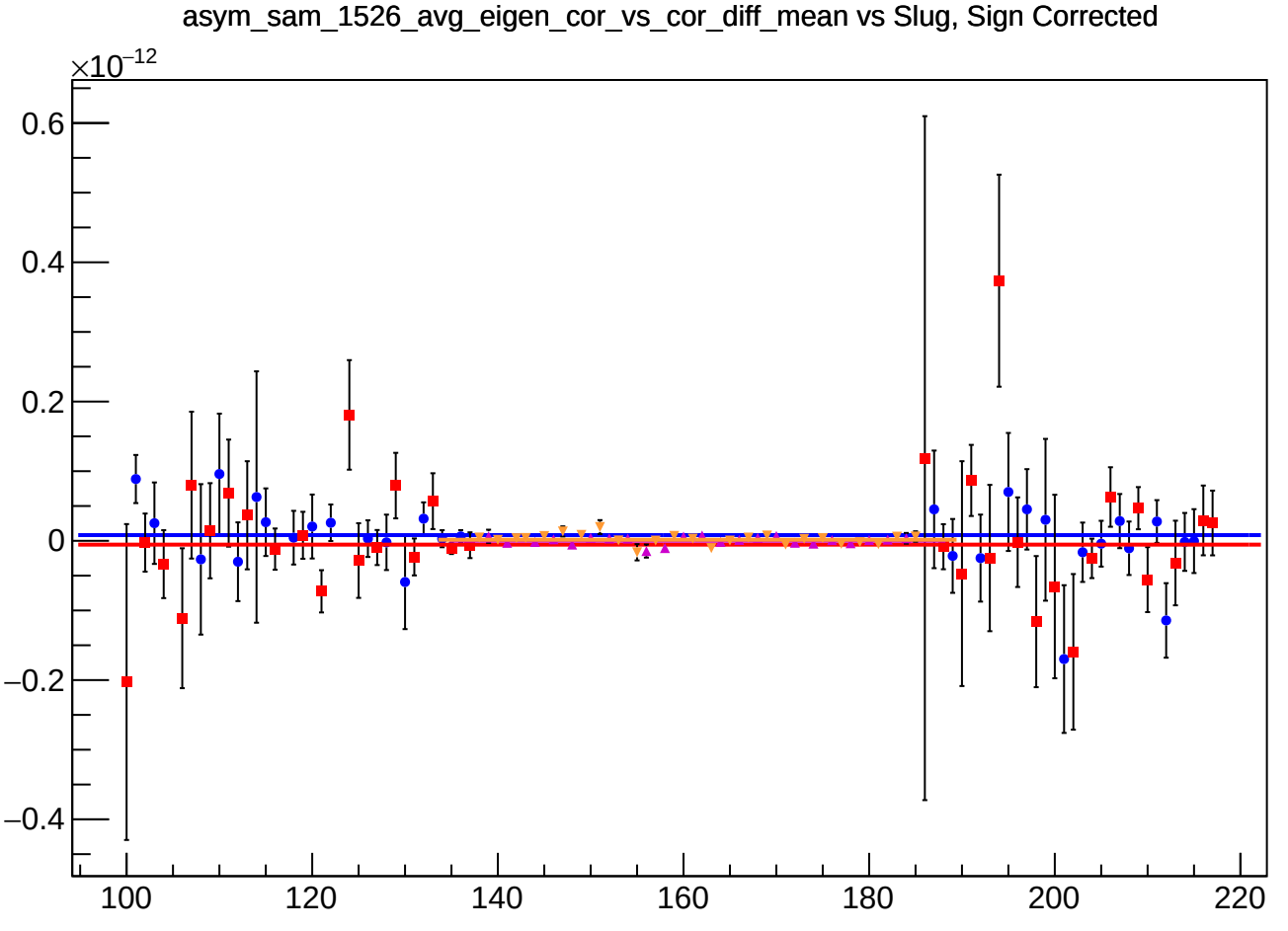
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 28.465+/-0.004 χ^2/NDF: 9678075.0/66

In: 28.655+/-0.004 χ^2/NDF:6459408.4/53

Out: 29.090+/-0.004 χ^2/NDF:8022341.3/60

All: 28.874+/-0.003 χ^2/NDF: 14489092.7/114



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: 43.1/35

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

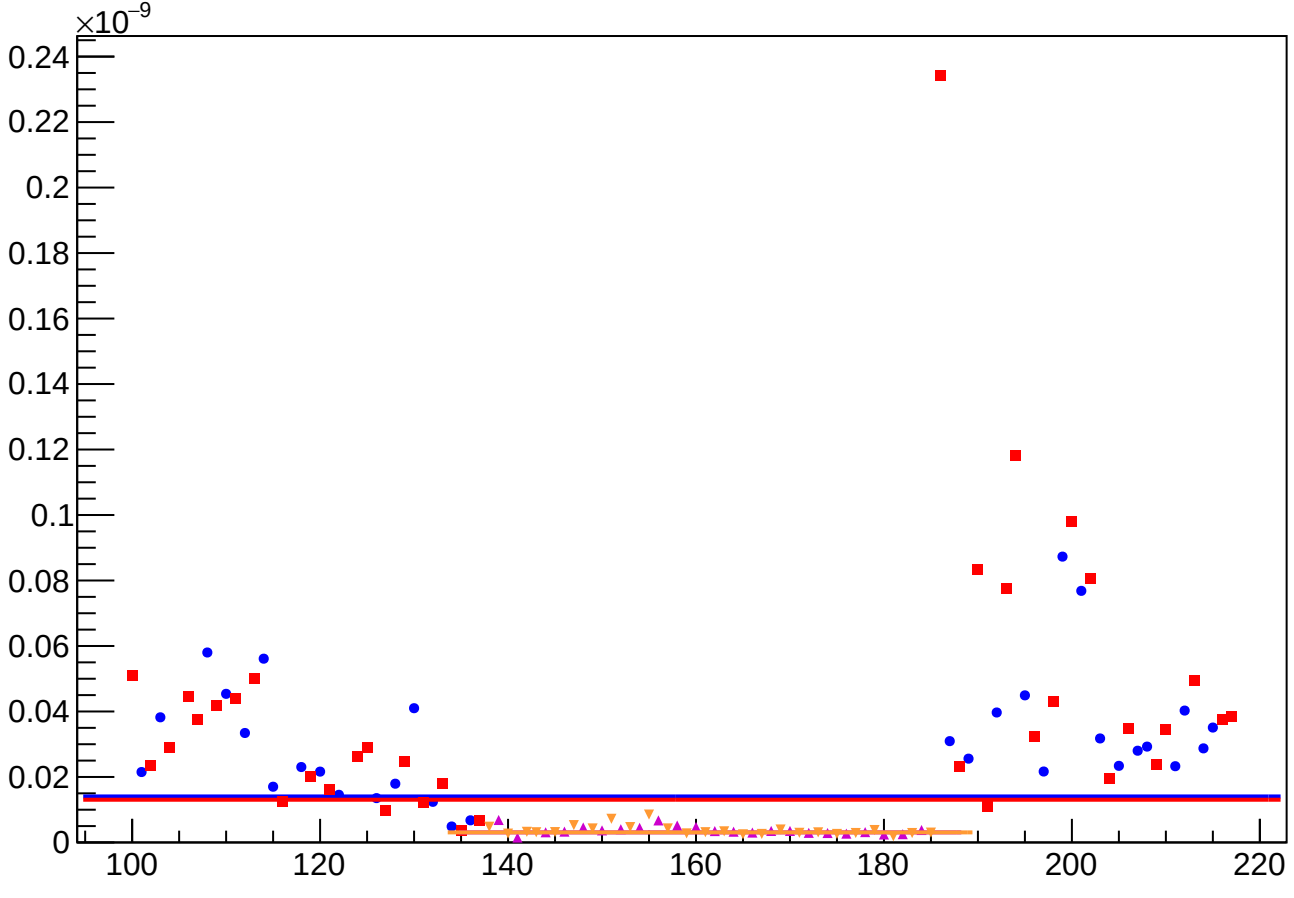
Right: 0.000+/-0.000 χ^2/NDF: 67.9/66

In: 0.000+/-0.000 χ^2/NDF:42.2/53

Out: 0.000+/-0.000 χ^2/NDF:79.8/60

All: 0.000+/-0.000 χ^2/NDF: 122.5/114

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: 13164799.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

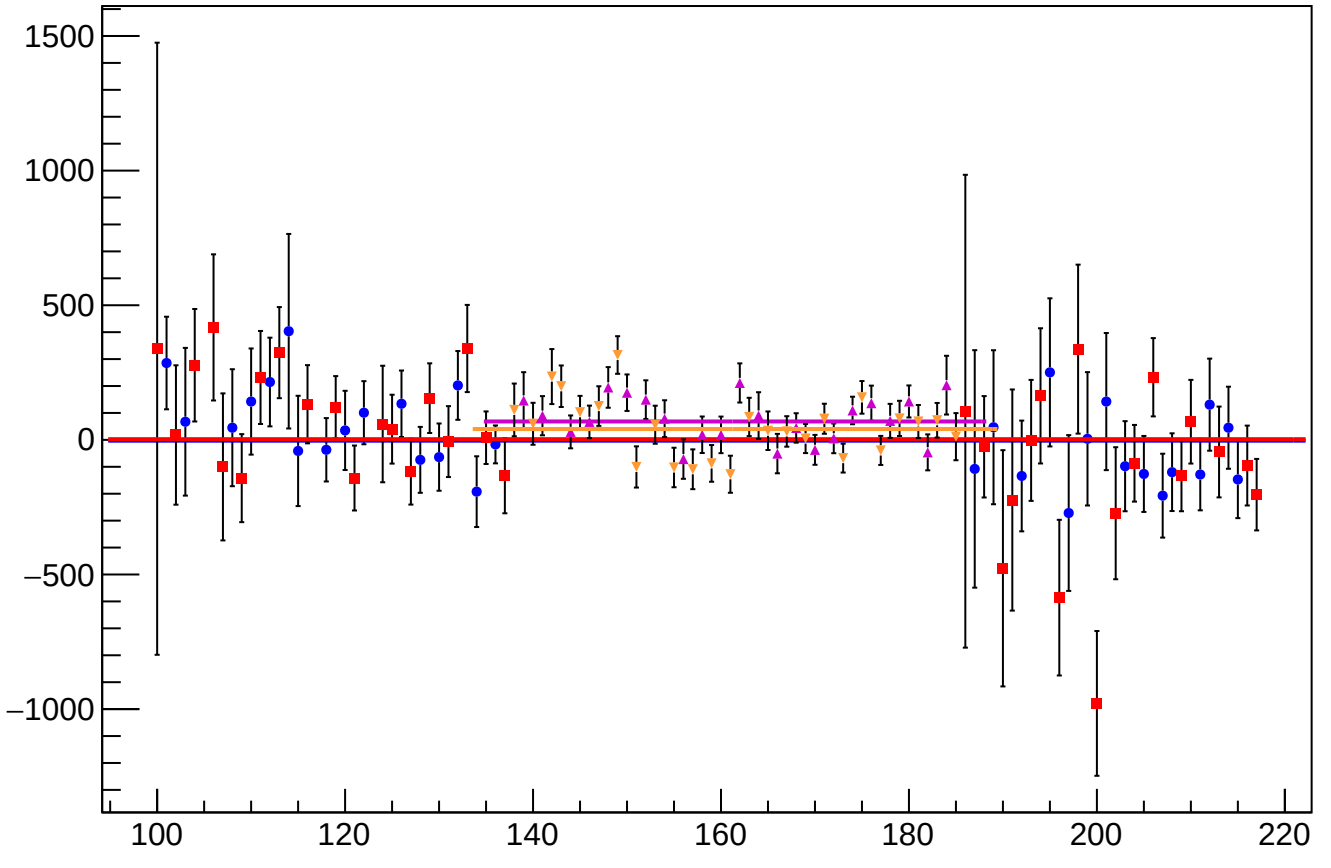
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 22238244.0/66

In: 0.000+/-0.000 χ^2/NDF:19228509.0/53

Out: 0.000+/-0.000 χ^2/NDF:21944891.0/60

All: 0.000+/-0.000 χ^2/NDF: 41175858.8/114



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: 2.571+/-27.903 χ^2/NDF: 50.4/35

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

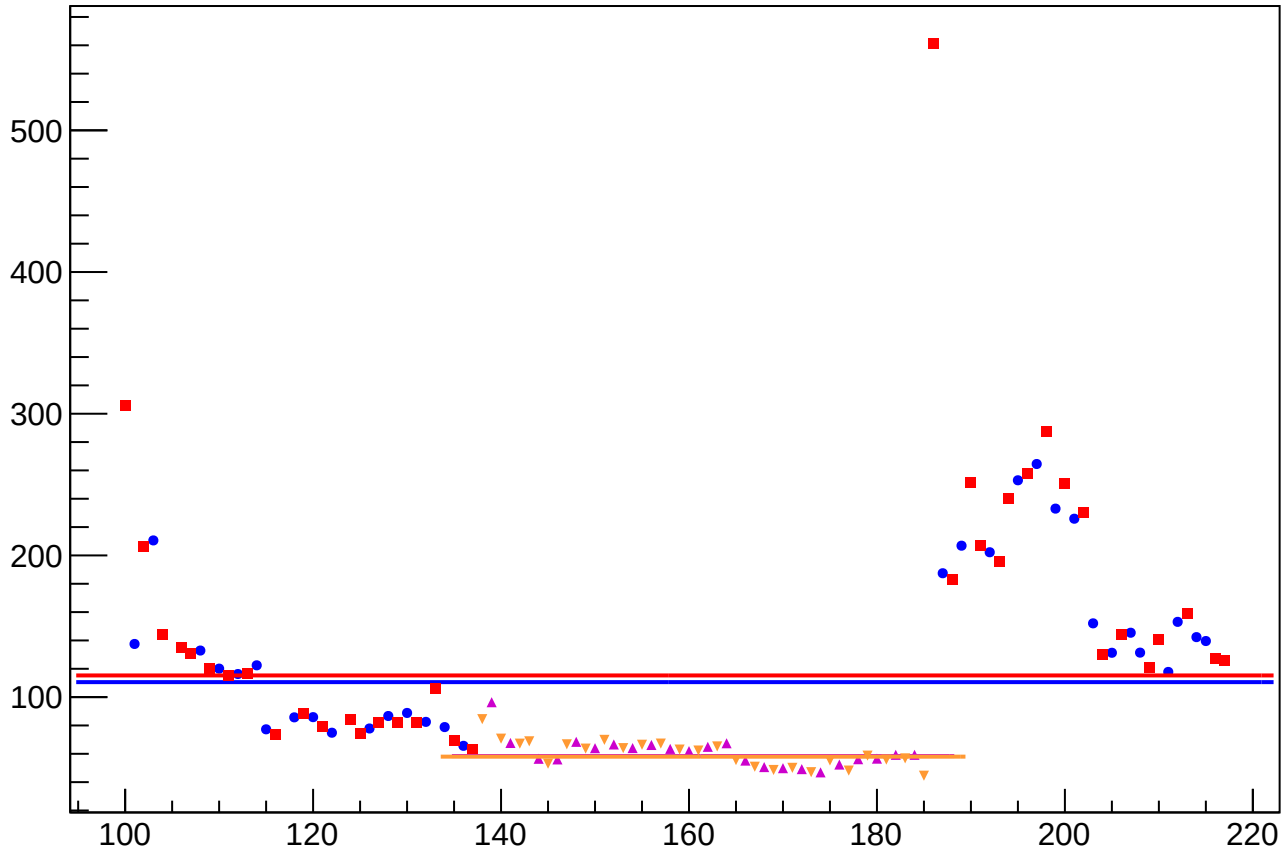
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: -0.211+/-19.571 χ^2/NDF: 73.0/66

In: 53.865+/-12.377 χ^2/NDF:59.7/53

Out: 33.262+/-12.081 χ^2/NDF:111.3/60

All: 43.314+/-8.645 χ^2/NDF: 172.4/114



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: 115.302+/-0.020 χ^2/NDF: 6358740.0/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

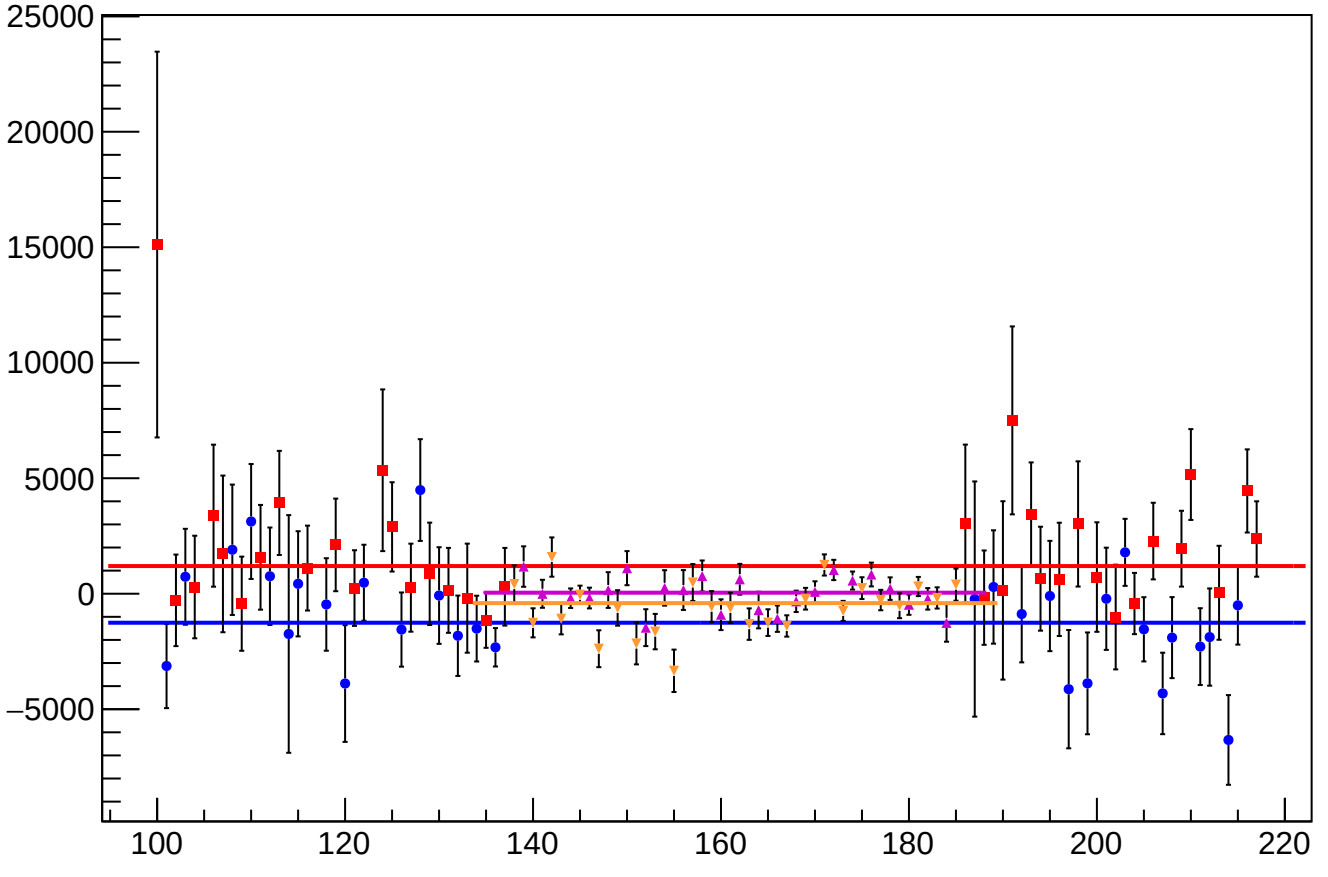
Right: 112.902+/-0.014 χ^2/NDF: 11715734.0/66

In: 69.001+/-0.009 χ^2/NDF:11819074.7/53

Out: 68.737+/-0.009 χ^2/NDF:14021044.8/60

All: 68.866+/-0.006 χ^2/NDF: 25840583.9/114

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



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: 1197.724+/-341.393 χ^2/NDF: 30.0/35

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

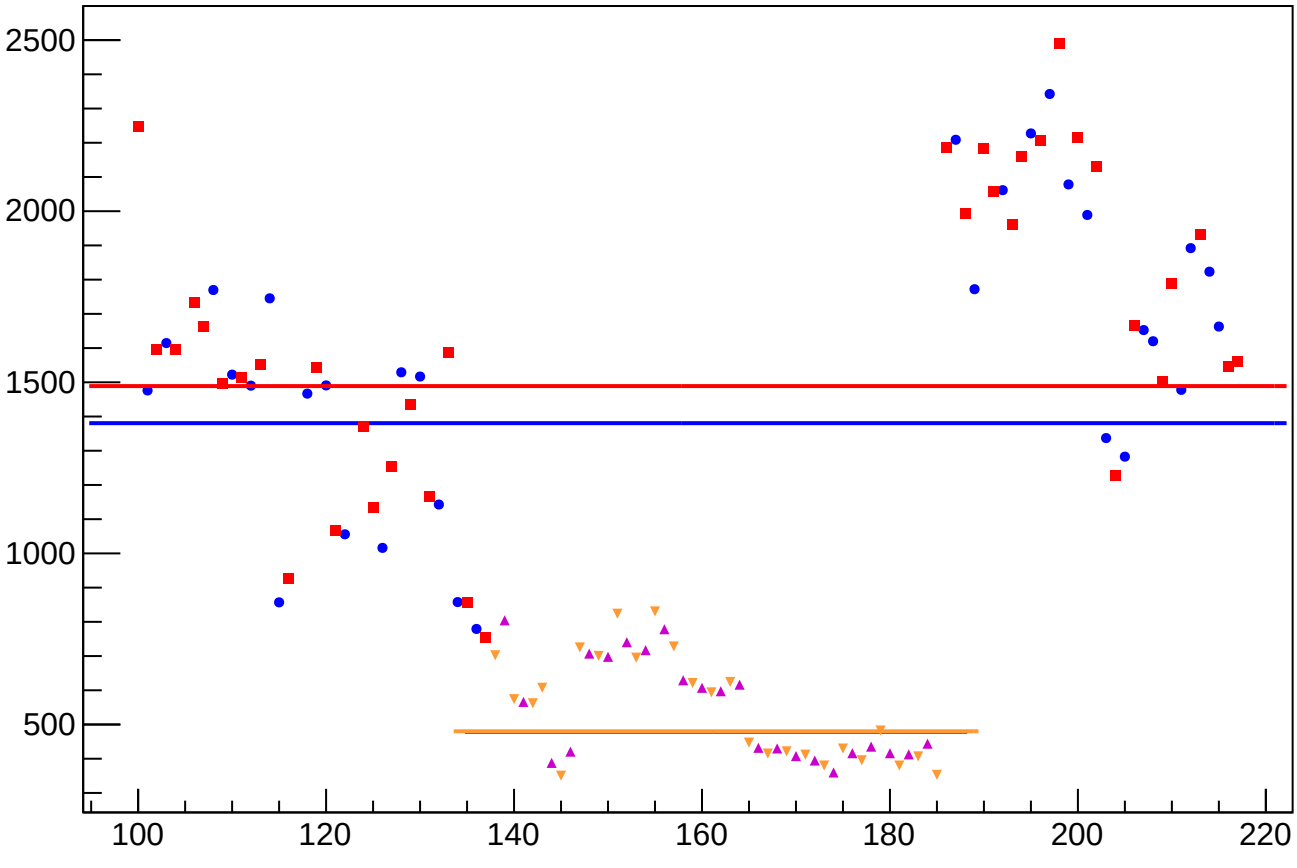
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -68.553+/-237.469 χ^2/NDF: 94.4/66

In: -97.253+/-109.258 χ^2/NDF:82.6/53

Out: -246.754+/-107.676 χ^2/NDF:113.1/60

All: -173.093+/-76.691 χ^2/NDF: 196.6/114



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: 1488.939+/-0.241 χ^2/NDF: 3086703.7/35

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

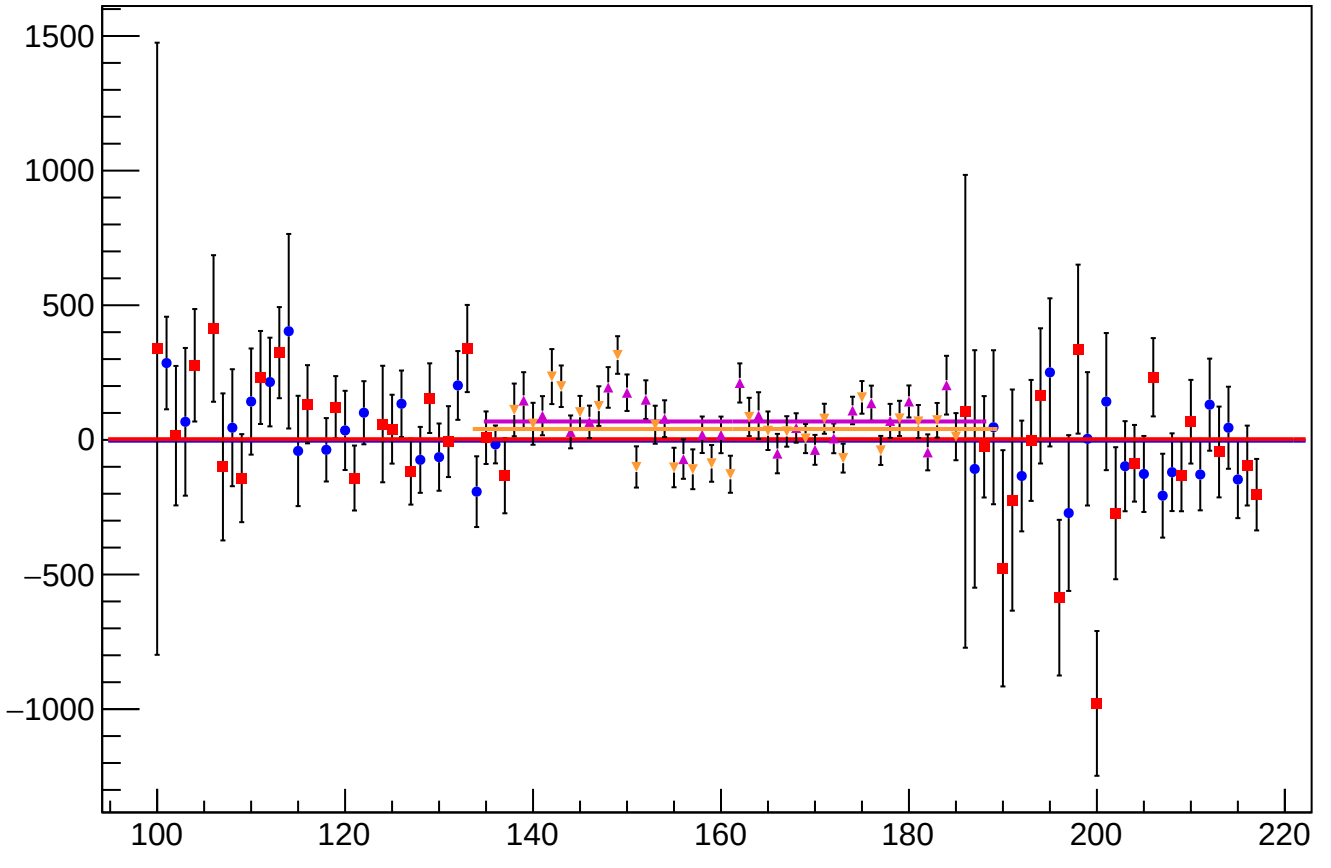
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1433.010+/-0.168 χ^2/NDF: 6528511.2/66

In: 576.693+/-0.077 χ^2/NDF:18834669.8/53

Out: 580.514+/-0.076 χ^2/NDF:21394495.2/60

All: 578.631+/-0.054 χ^2/NDF: 40230405.4/11



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: 2.475+/-27.904 χ^2/NDF: 50.3/35

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

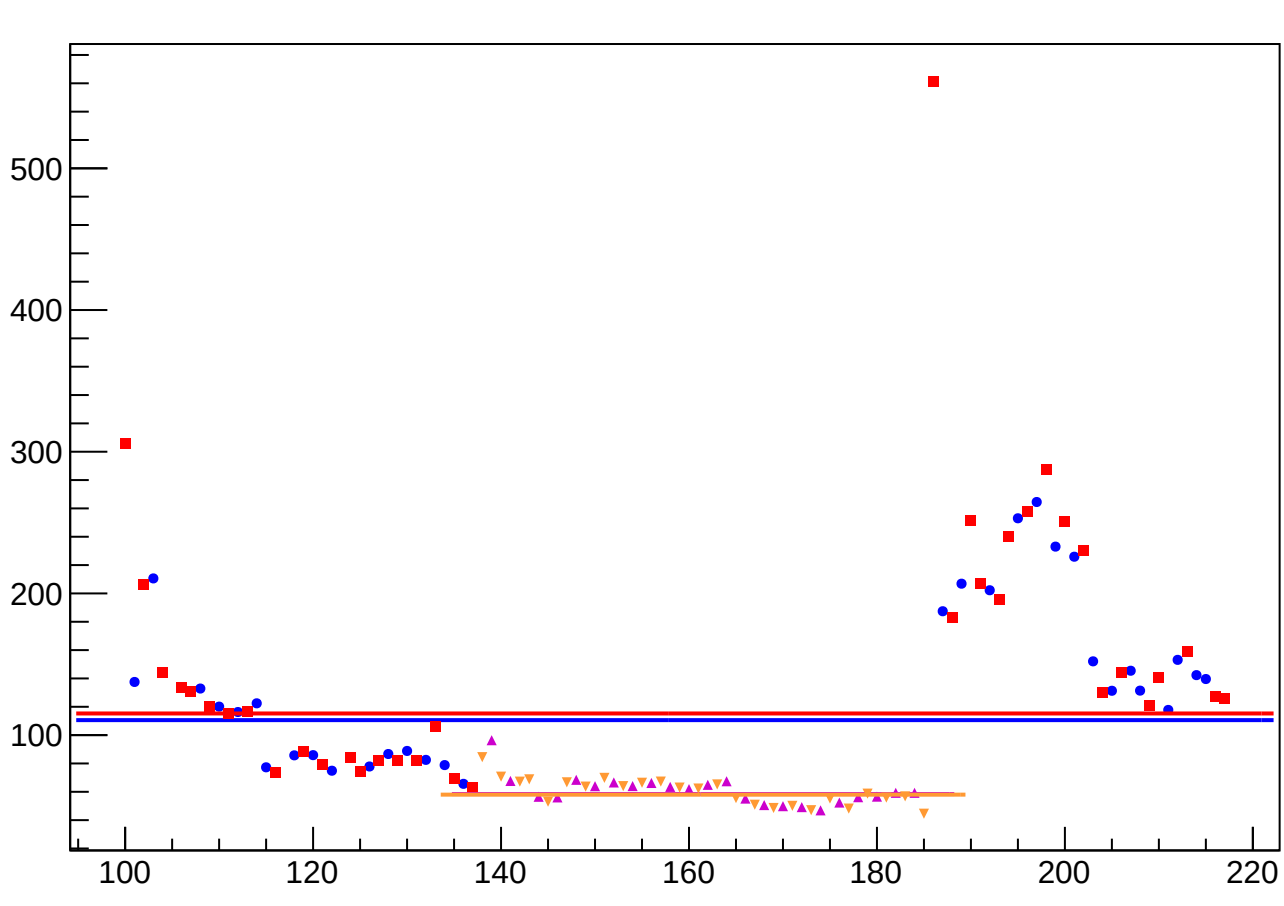
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -0.263+/-19.571 χ^2/NDF: 72.9/66

In: 53.863+/-12.377 χ^2/NDF:59.7/53

Out: 33.246+/-12.081 χ^2/NDF:111.2/60

All: 43.304+/-8.645 χ^2/NDF: 172.3/114



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: 115.281+/-0.020 χ^2/NDF: 6356990.2/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

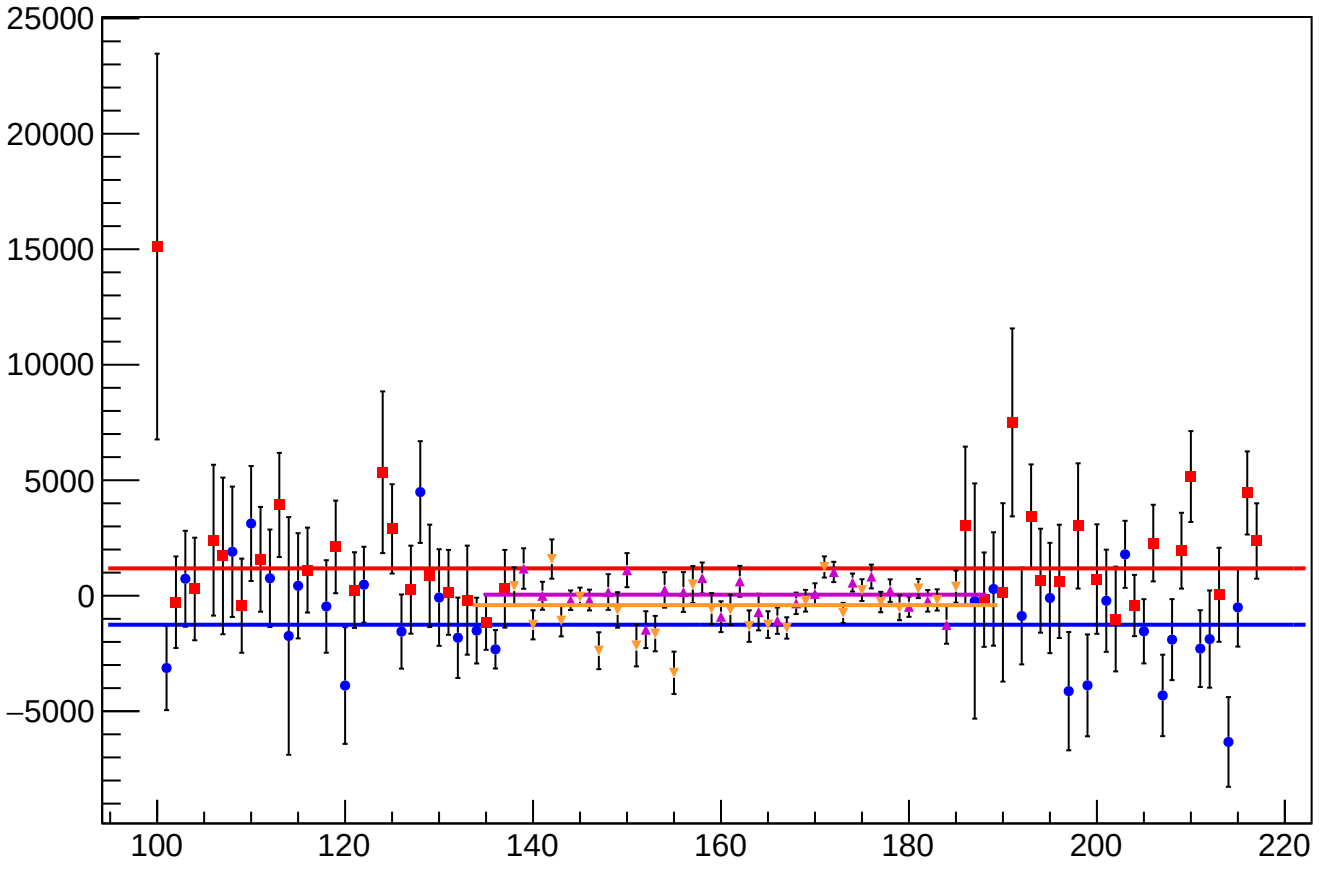
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 112.892+/-0.014 χ^2/NDF: 11713718.1/66

In: 69.001+/-0.009 χ^2/NDF:11819077.1/53

Out: 68.733+/-0.009 χ^2/NDF:14013645.5/60

All: 68.864+/-0.006 χ^2/NDF: 25833204.0/114



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: 1184.241+/-341.640 χ^2/NDF: 29.6/35

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

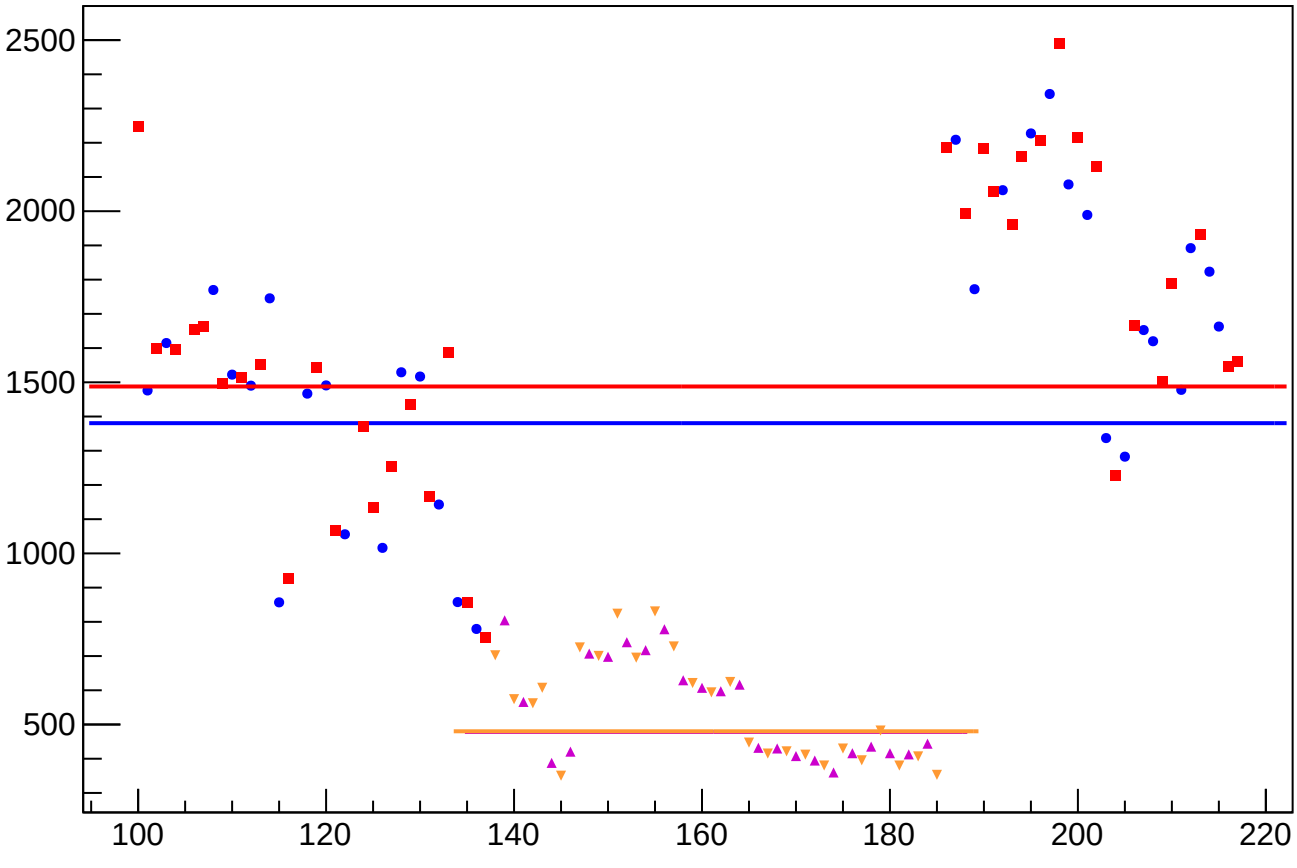
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -75.949+/-237.552 χ^2/NDF: 93.7/66

In: -97.252+/-109.258 χ^2/NDF:82.6/53

Out: -248.300+/-107.684 χ^2/NDF:112.3/60

All: -173.872+/-76.694 χ^2/NDF: 195.9/114



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: 1487.771+/-0.242 χ^2/NDF: 3079342.3/35

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

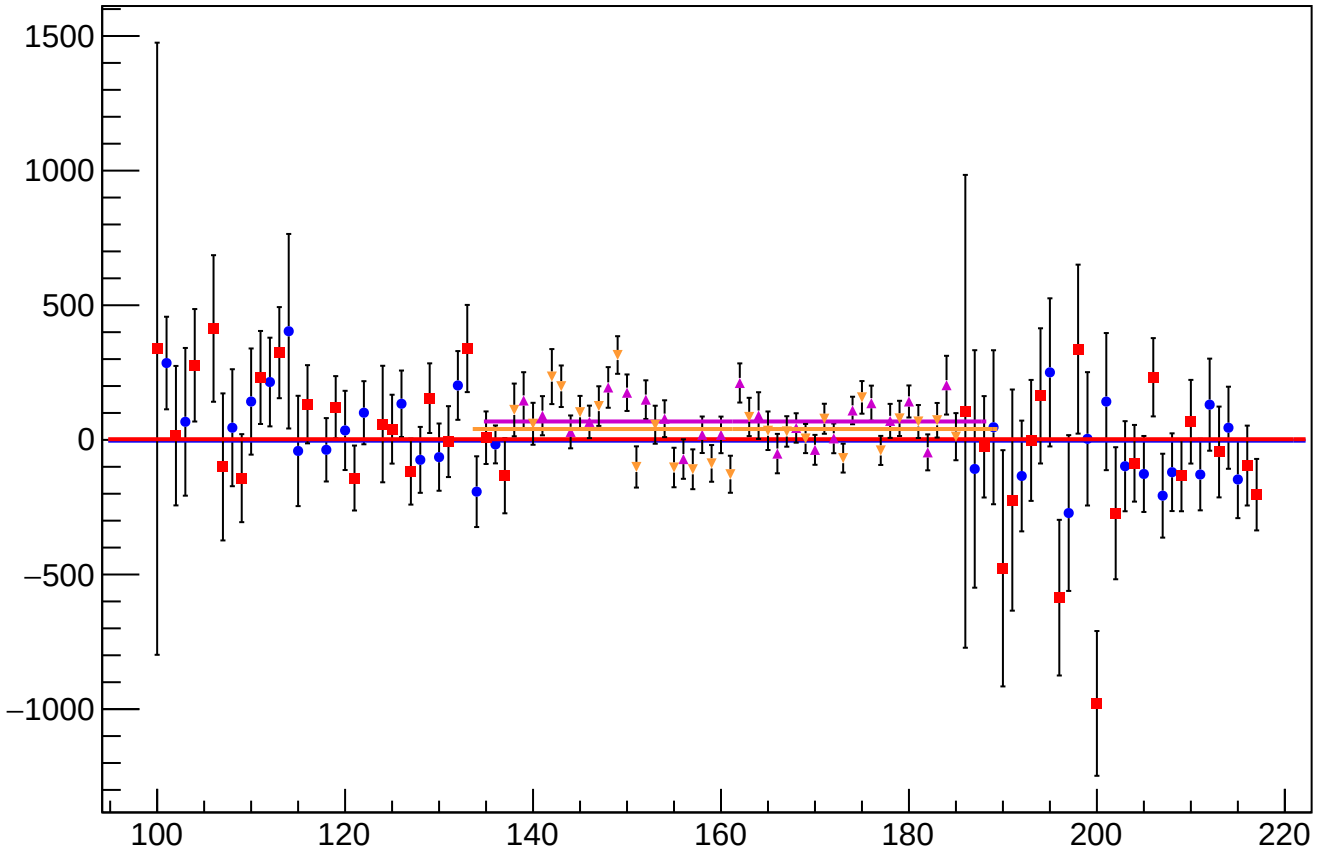
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1432.407+/-0.168 χ^2/NDF: 6518867.0/66

In: 576.693+/-0.077 χ^2/NDF:18834696.5/53

Out: 580.267+/-0.076 χ^2/NDF:21330276.5/60

All: 578.506+/-0.054 χ^2/NDF: 40166058.1/11



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: 2.475+/-27.904 χ^2/NDF: 50.3/35

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

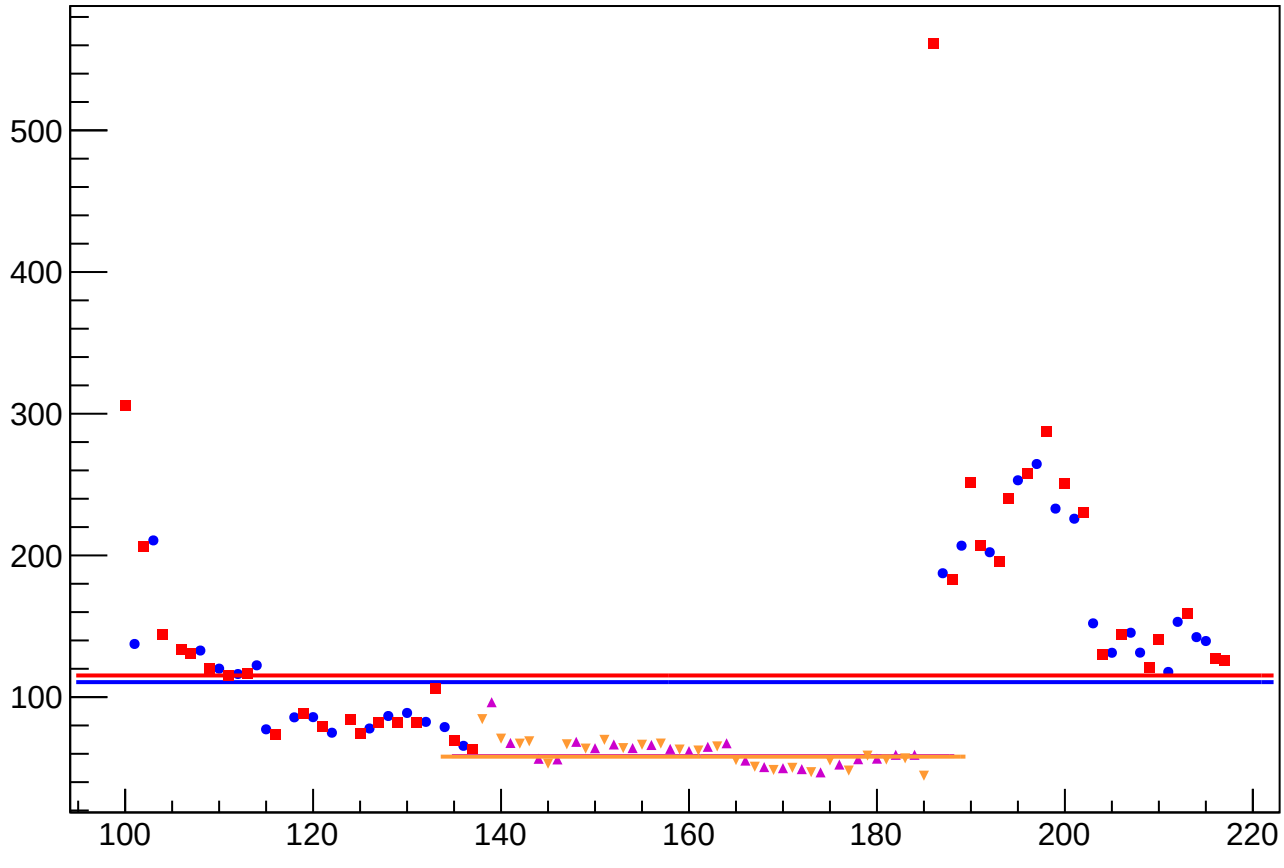
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -0.263+/-19.571 χ^2/NDF: 72.9/66

In: 53.863+/-12.377 χ^2/NDF:59.7/53

Out: 33.246+/-12.081 χ^2/NDF:111.2/60

All: 43.304+/-8.645 χ^2/NDF: 172.3/114



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: 115.281+/-0.020 χ^2/NDF: 6356990.2/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

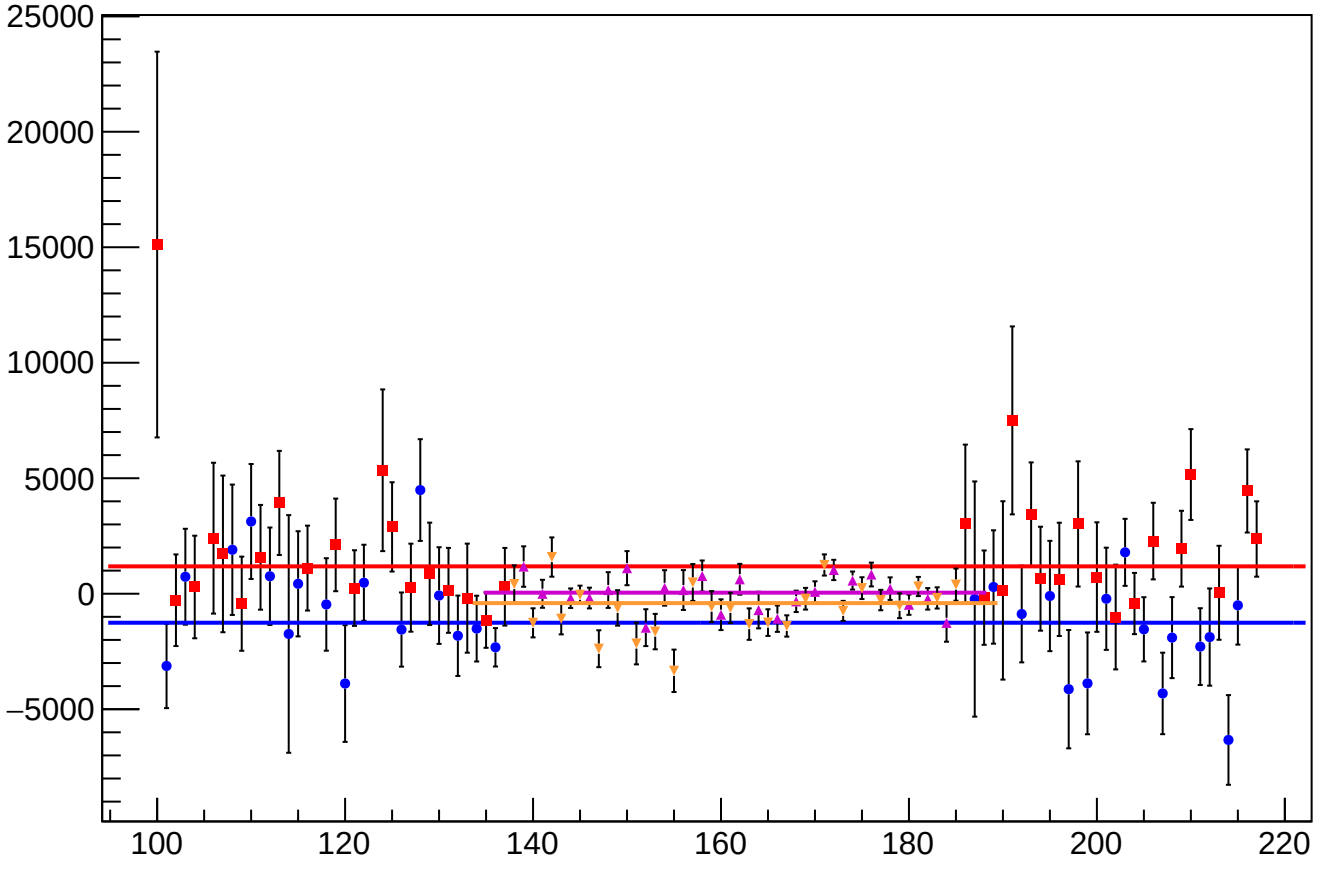
Right: 112.892+/-0.014 χ^2/NDF: 11713718.1/66

In: 69.001+/-0.009 χ^2/NDF:11819077.1/53

Out: 68.733+/-0.009 χ^2/NDF:14013645.5/60

All: 68.864+/-0.006 χ^2/NDF: 25833204.0/114

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: 1184.241+/-341.640 χ^2/NDF: 29.6/35

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

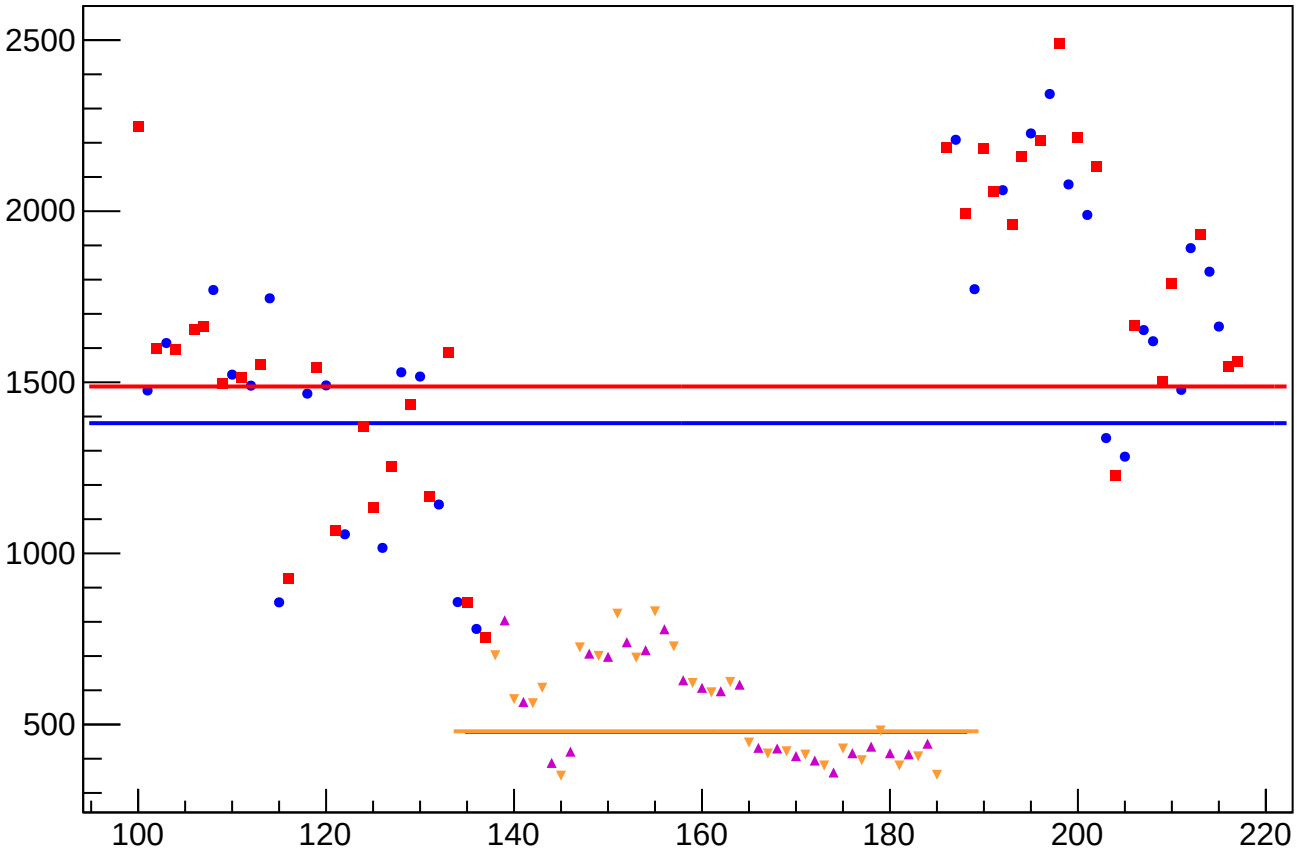
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -75.949+/-237.552 χ^2/NDF: 93.7/66

In: -97.252+/-109.258 χ^2/NDF:82.6/53

Out: -248.300+/-107.684 χ^2/NDF:112.3/60

All: -173.872+/-76.694 χ^2/NDF: 195.9/114



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: 1487.771+/-0.242 χ^2/NDF: 3079342.3/35

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

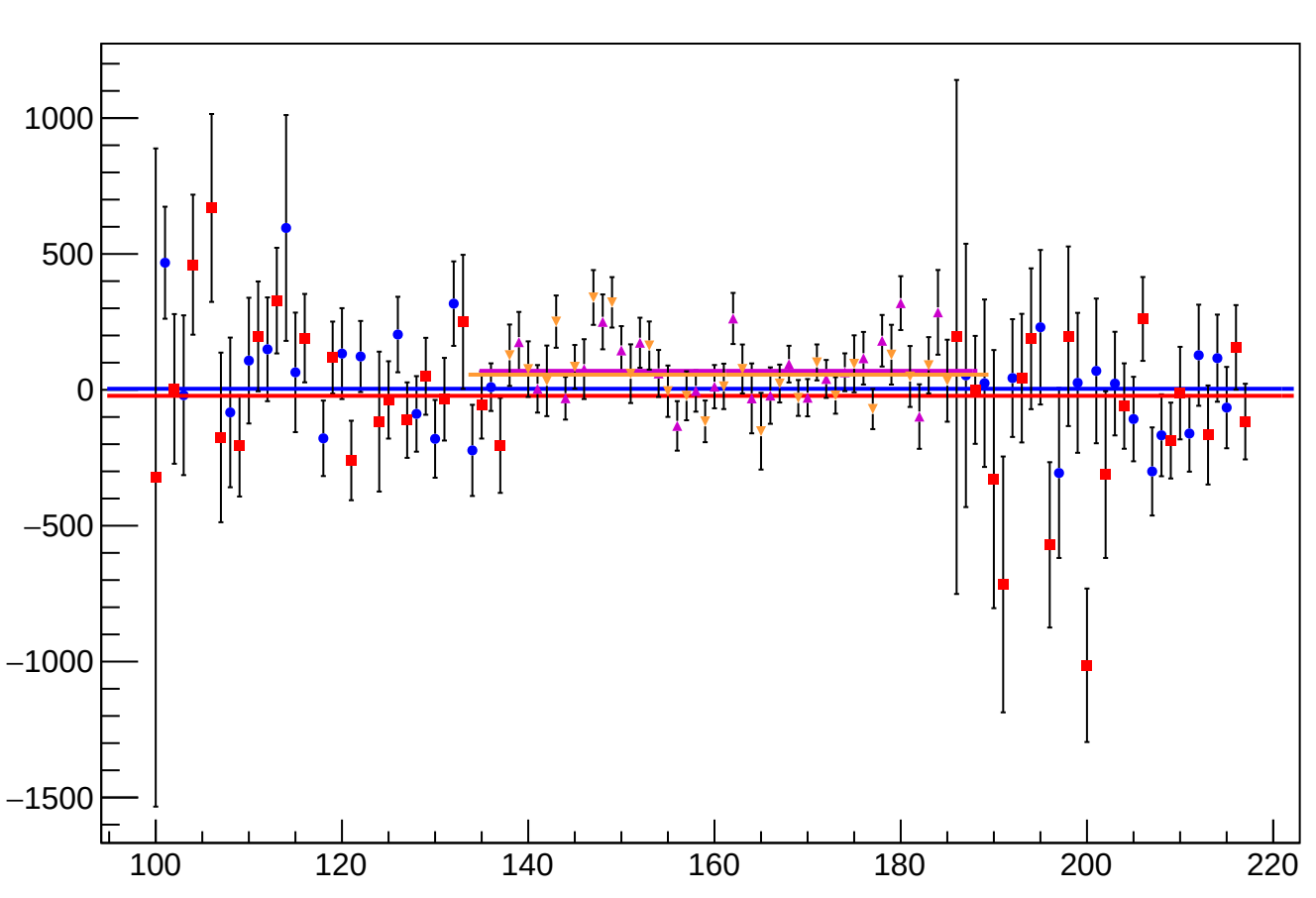
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1432.407+/-0.168 χ^2/NDF: 6518867.0/66

In: 576.693+/-0.077 χ^2/NDF:18834696.5/53

Out: 580.267+/-0.076 χ^2/NDF:21330276.5/60

All: 578.506+/-0.054 χ^2/NDF: 40166058.1/11



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: -22.077+/-31.688 χ^2/NDF: 49.4/35

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

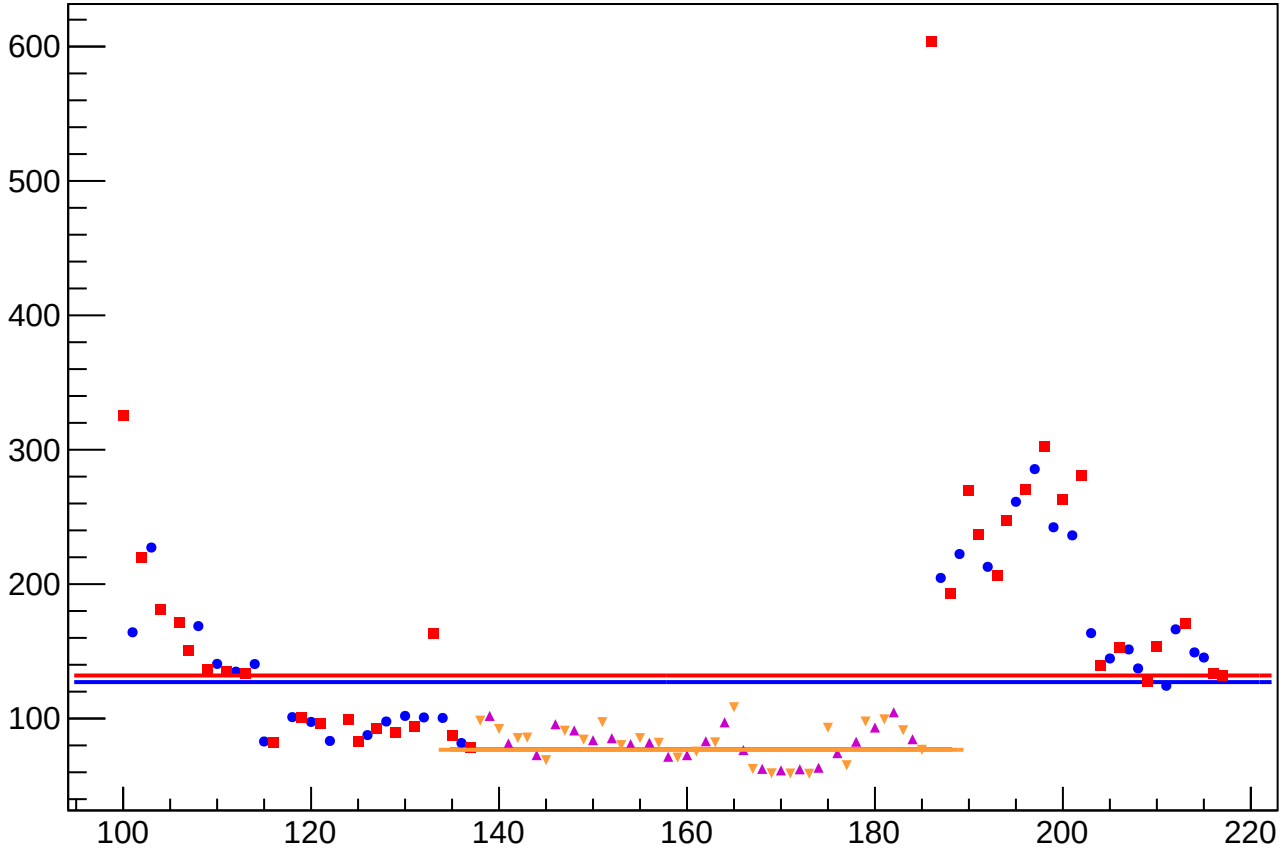
Right: -8.918+/-22.225 χ^2/NDF: 80.6/66

In: 52.657+/-15.908 χ^2/NDF:68.7/53

Out: 36.995+/-15.618 χ^2/NDF:92.3/60

All: 44.682+/-11.145 χ^2/NDF: 161.5/114

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 132.020+/-0.022 χ^2/NDF: 5560847.1/35

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

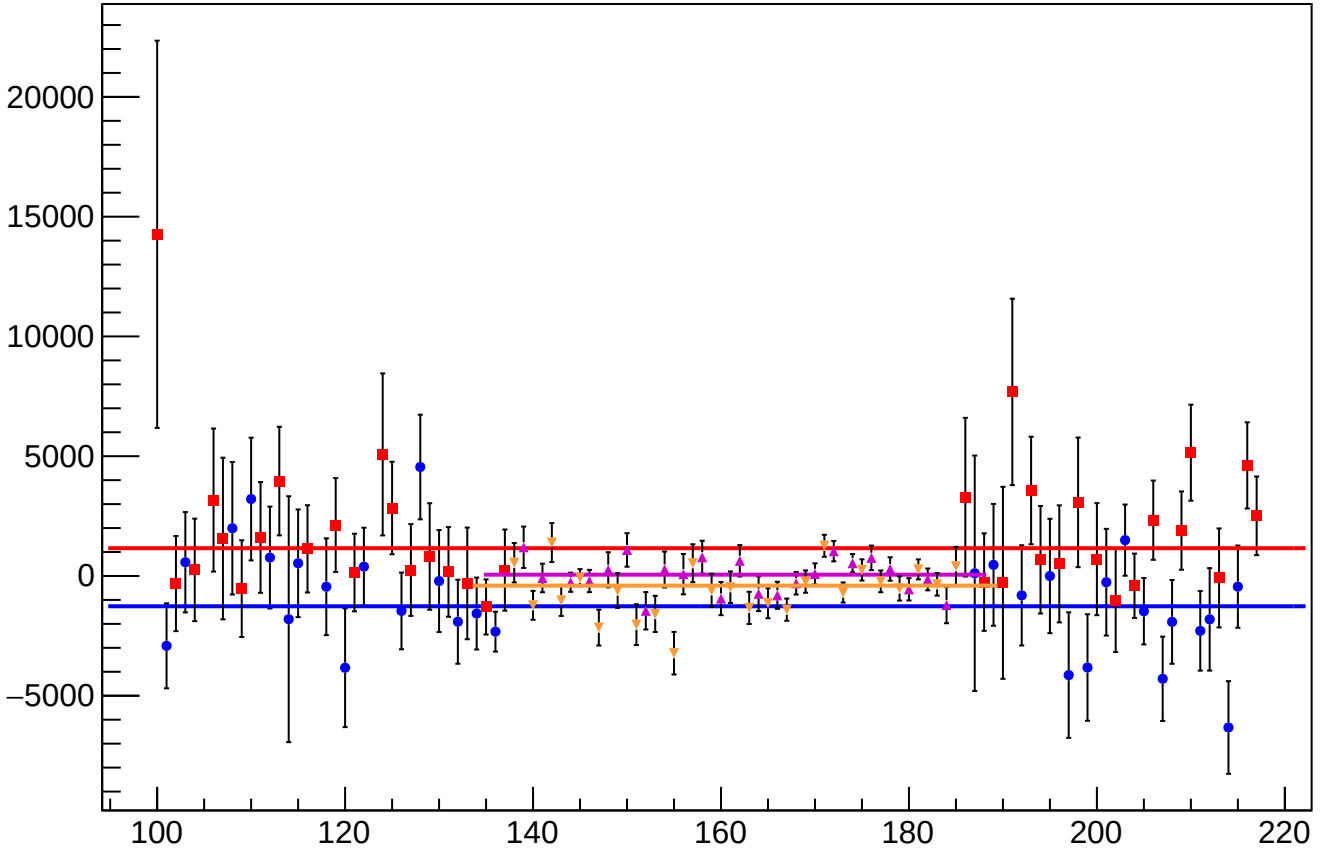
Right: 129.522+/-0.016 χ^2/NDF: 9895773.4/66

In: 90.056+/-0.011 χ^2/NDF:8986852.2/53

Out: 90.171+/-0.011 χ^2/NDF:11402993.7/60

All: 90.115+/-0.008 χ^2/NDF: 20389899.1/114

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



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: 1159.046+/-339.483 χ^2/NDF: 32.0/35

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

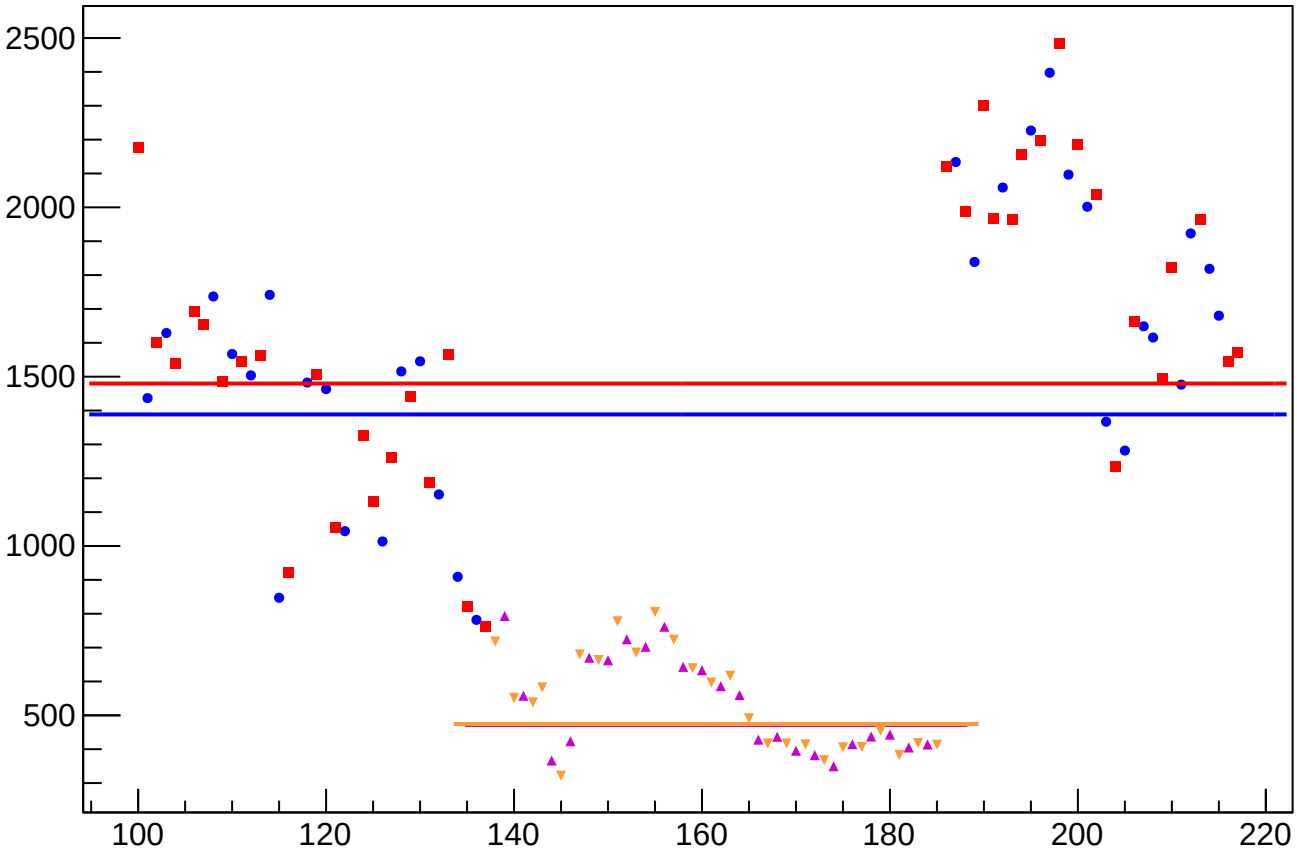
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -79.235+/-237.430 χ^2/NDF: 94.8/66

In: -85.276+/-108.016 χ^2/NDF:81.5/53

Out: -250.569+/-106.167 χ^2/NDF:111.9/60

All: -169.350+/-75.717 χ^2/NDF: 194.5/114



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: 1479.773+/-0.240 χ^2/NDF: 3149289.1/35

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

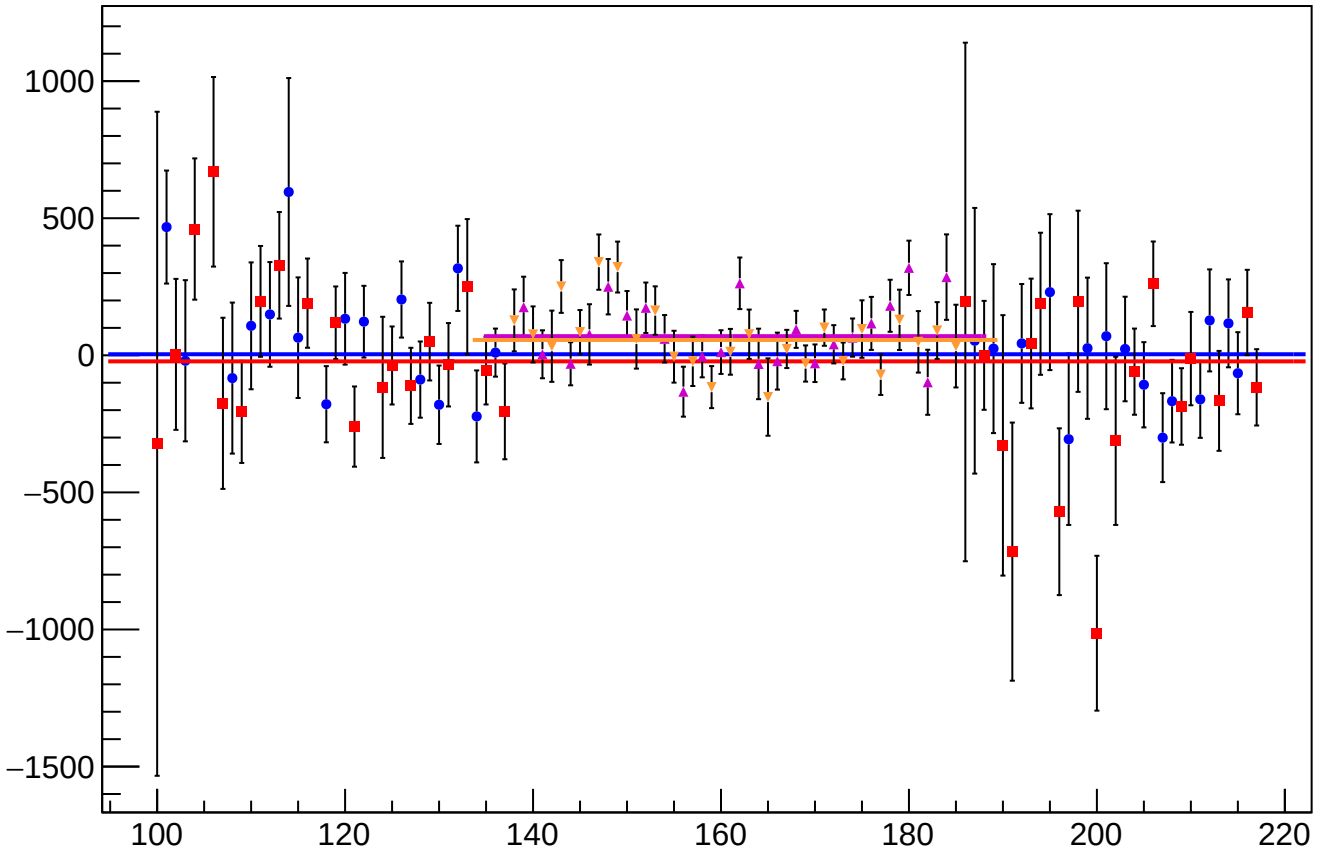
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1433.177+/-0.168 χ^2/NDF: 6536683.6/66

In: 568.423+/-0.076 χ^2/NDF:19155059.7/53

Out: 572.631+/-0.075 χ^2/NDF:21516911.3/60

All: 570.563+/-0.054 χ^2/NDF: 40673514.9/1



Right In: 3.823+/-31.179 χ^2/NDF: 30.9/30

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -22.080+/-31.688 χ^2/NDF: 49.4/35

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

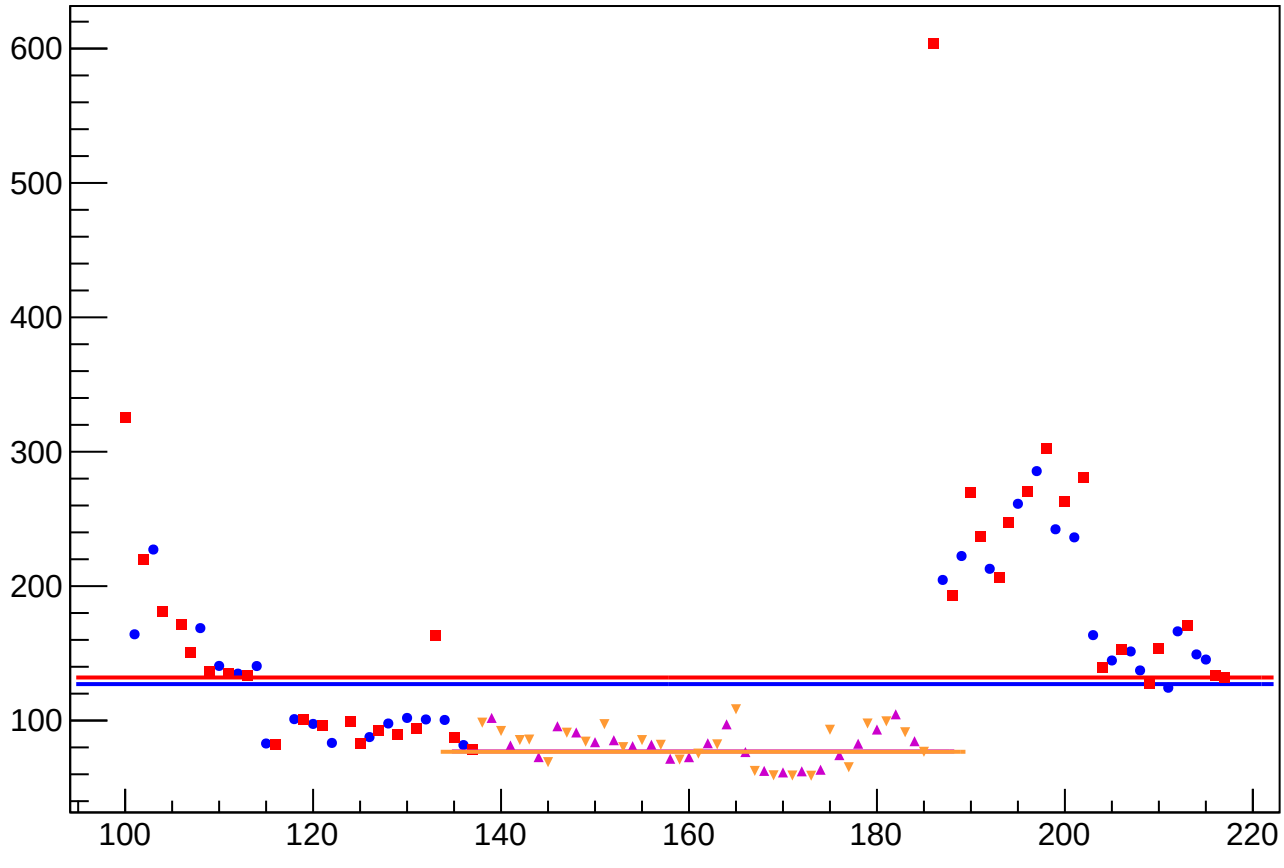
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -8.919+/-22.225 χ^2/NDF: 80.6/66

In: 52.657+/-15.908 χ^2/NDF:68.7/53

Out: 36.994+/-15.618 χ^2/NDF:92.3/60

All: 44.681+/-11.145 χ^2/NDF: 161.5/114



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: 132.020+/-0.022 χ^2/NDF: 5560857.9/35

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

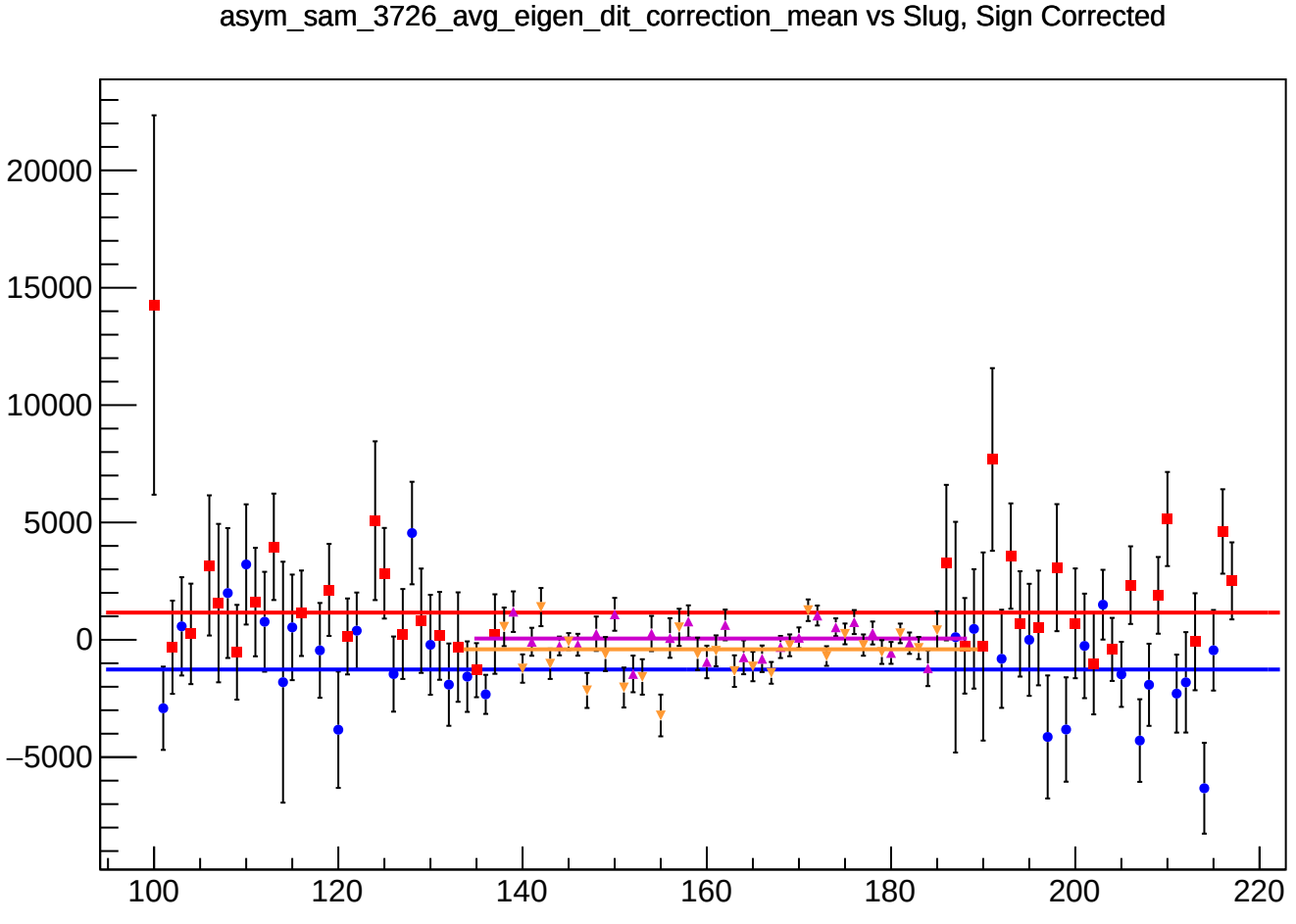
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

Right: 129.522+/-0.016 χ^2/NDF: 9895798.1/66

In: 90.056+/-0.011 χ^2/NDF:8986782.3/53

Out: 90.171+/-0.011 χ^2/NDF:11402939.0/60

All: 90.115+/-0.008 χ^2/NDF: 20389774.4/114



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: 1159.045+/-339.482 χ^2/NDF: 32.0/35

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

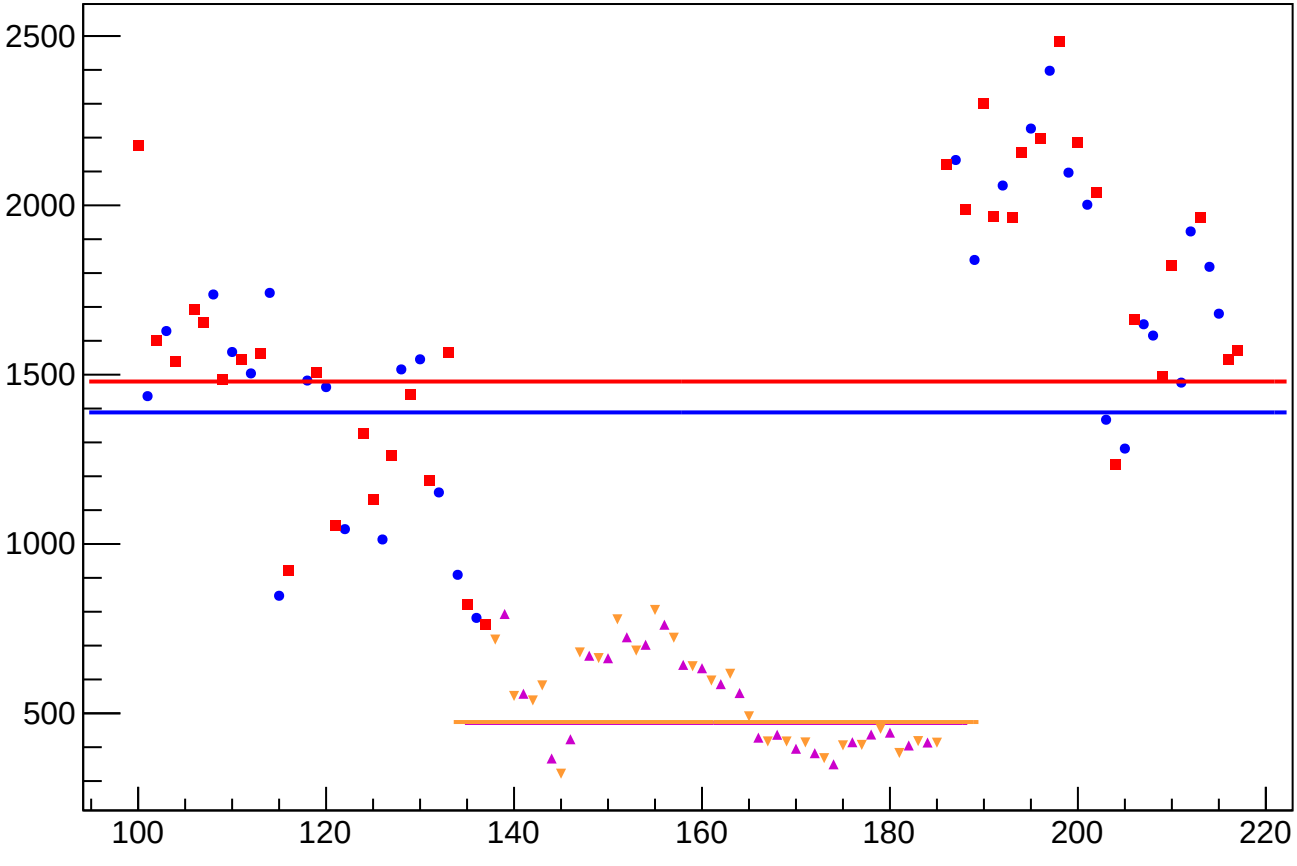
Right: -79.234+/-237.430 χ^2/NDF: 94.8/66

In: -85.276+/-108.016 χ^2/NDF:81.5/53

Out: -250.569+/-106.167 χ^2/NDF:111.9/60

All: -169.349+/-75.717 χ^2/NDF: 194.5/114

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: 1479.772+/-0.240 χ^2/NDF: 3149285.7/35

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

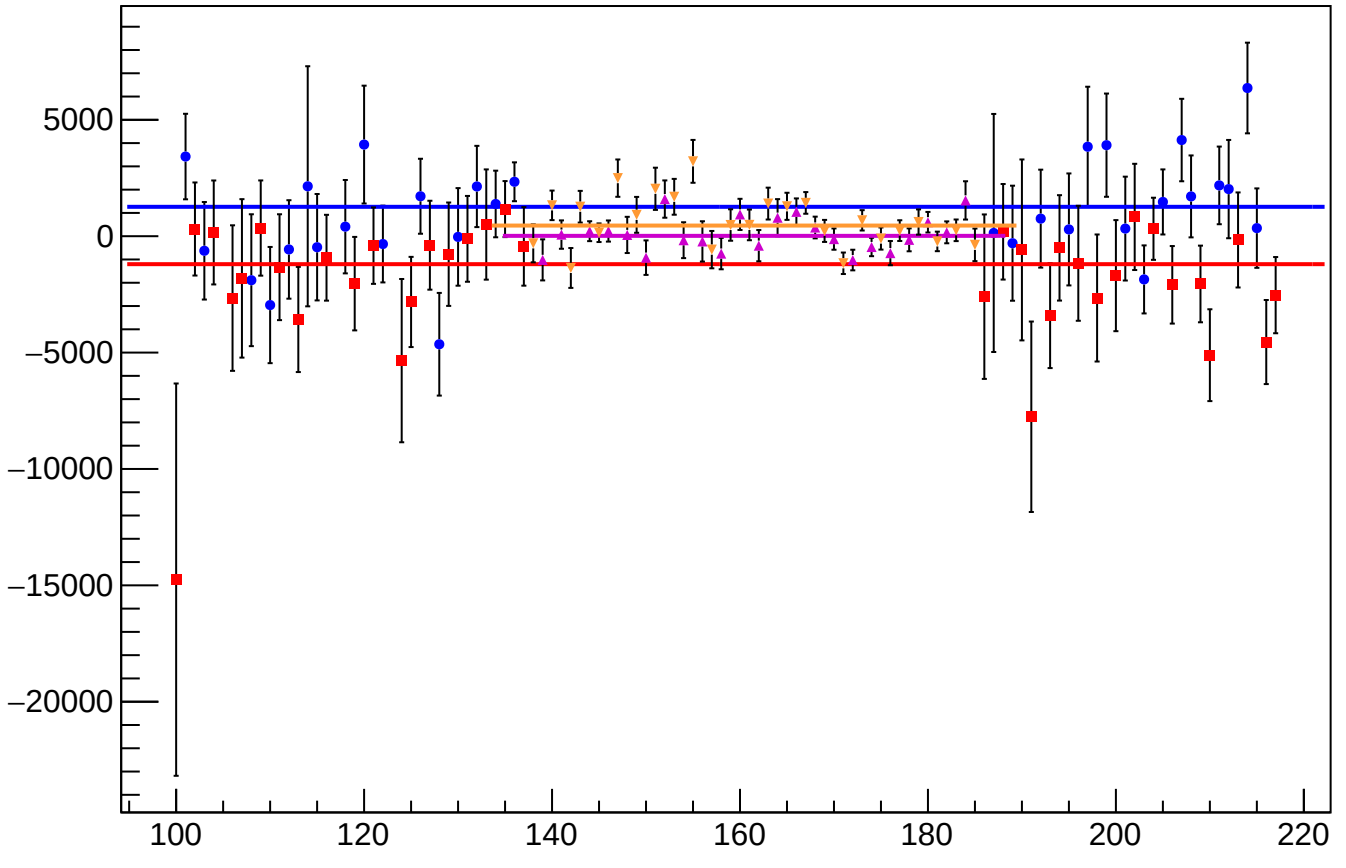
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1433.176+/-0.168 χ^2/NDF: 6536672.2/66

In: 568.422+/-0.076 χ^2/NDF:19155045.7/53

Out: 572.630+/-0.075 χ^2/NDF:21516910.6/60

All: 570.563+/-0.054 χ^2/NDF: 40673500.0/11



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: -1201.431+/-342.953 χ^2/NDF: 28.7/35

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

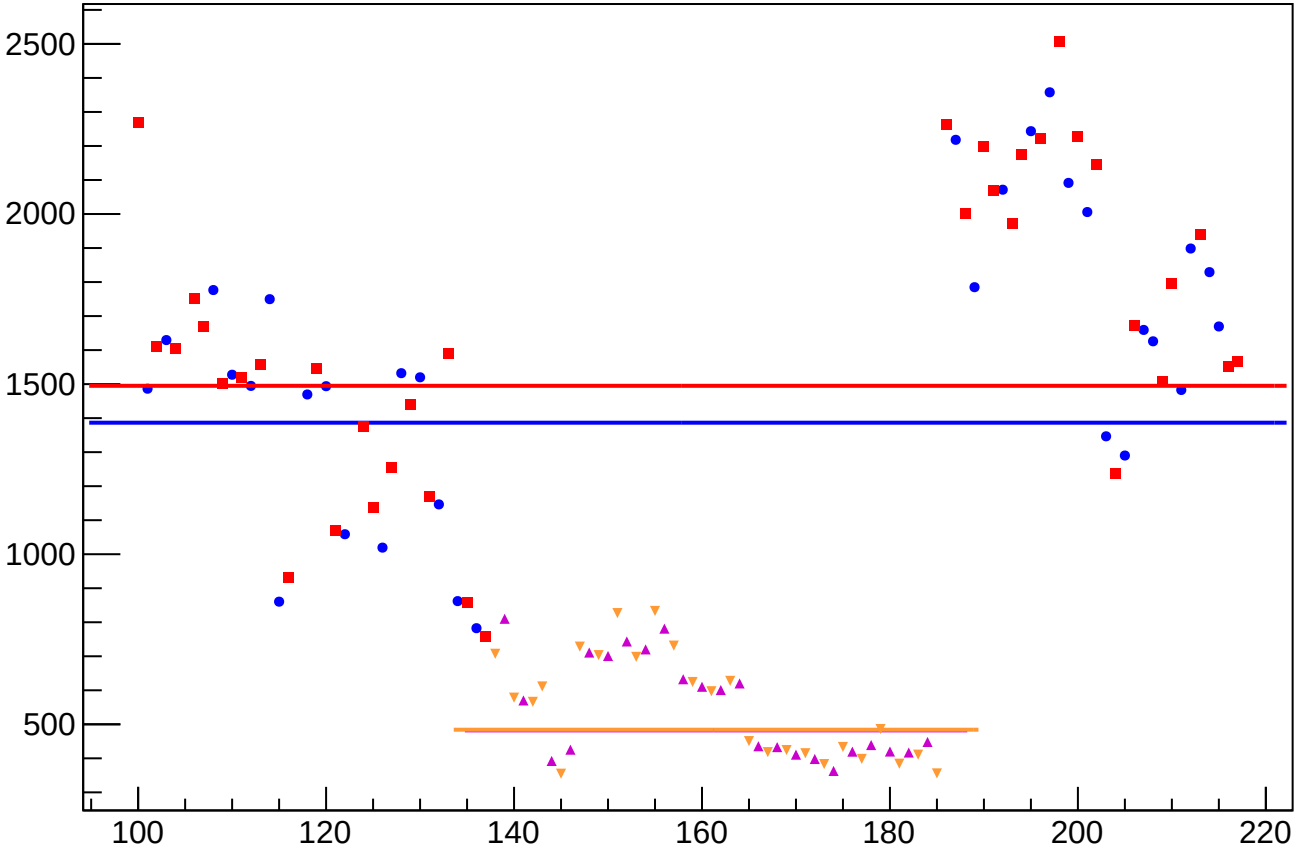
Right: 70.553+/-238.544 χ^2/NDF: 92.9/66

In: 152.278+/-110.098 χ^2/NDF:80.4/53

Out: 291.327+/-108.480 χ^2/NDF:109.1/60

All: 222.831+/-77.273 χ^2/NDF: 190.3/114

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: 1495.036+/-0.243 χ^2/NDF: 3116476.1/35

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

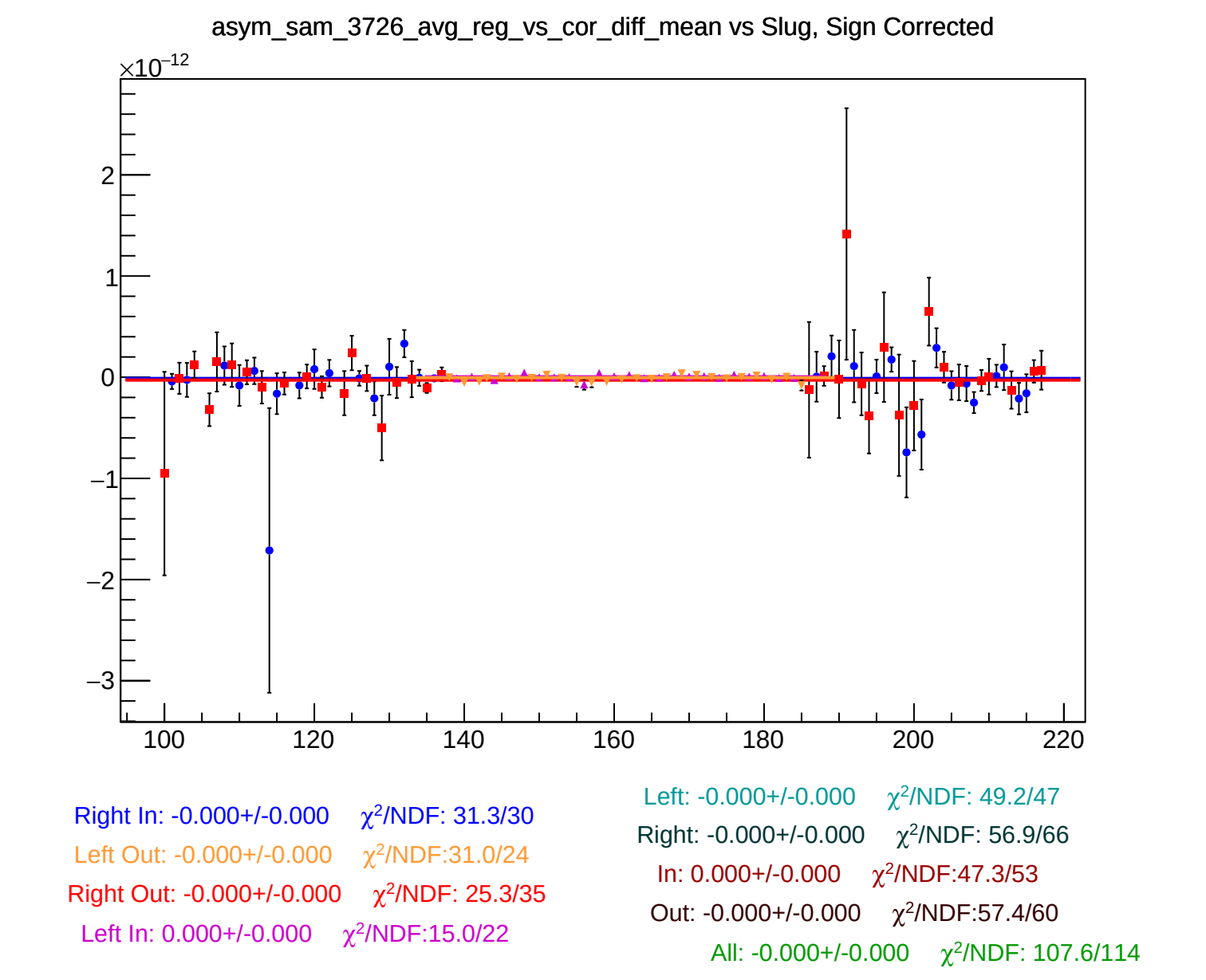
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

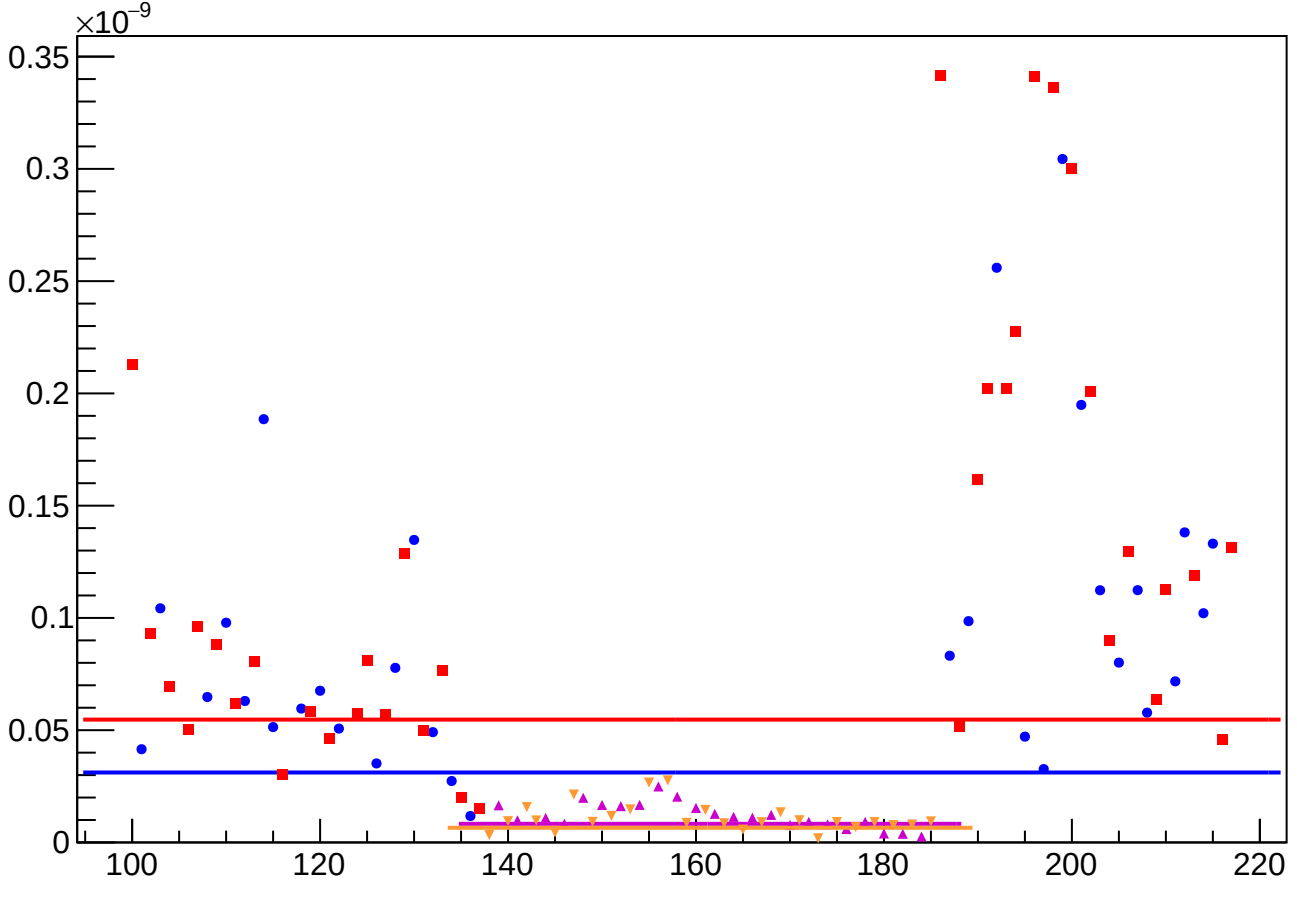
Right: 1439.068+/-0.169 χ^2/NDF: 6566580.1/66

In: 581.614+/-0.078 χ^2/NDF:18743328.9/53

Out: 585.272+/-0.077 χ^2/NDF:21303659.0/60

All: 583.470+/-0.055 χ^2/NDF: 40048108.1/11


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: 25.3/35
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: 56.9/66
In: 0.000+/-0.000 χ²/NDF:47.3/53
Out: -0.000+/-0.000 χ²/NDF:57.4/60
All: -0.000+/-0.000 χ²/NDF: 107.6/114



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: 7035068.4/35

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

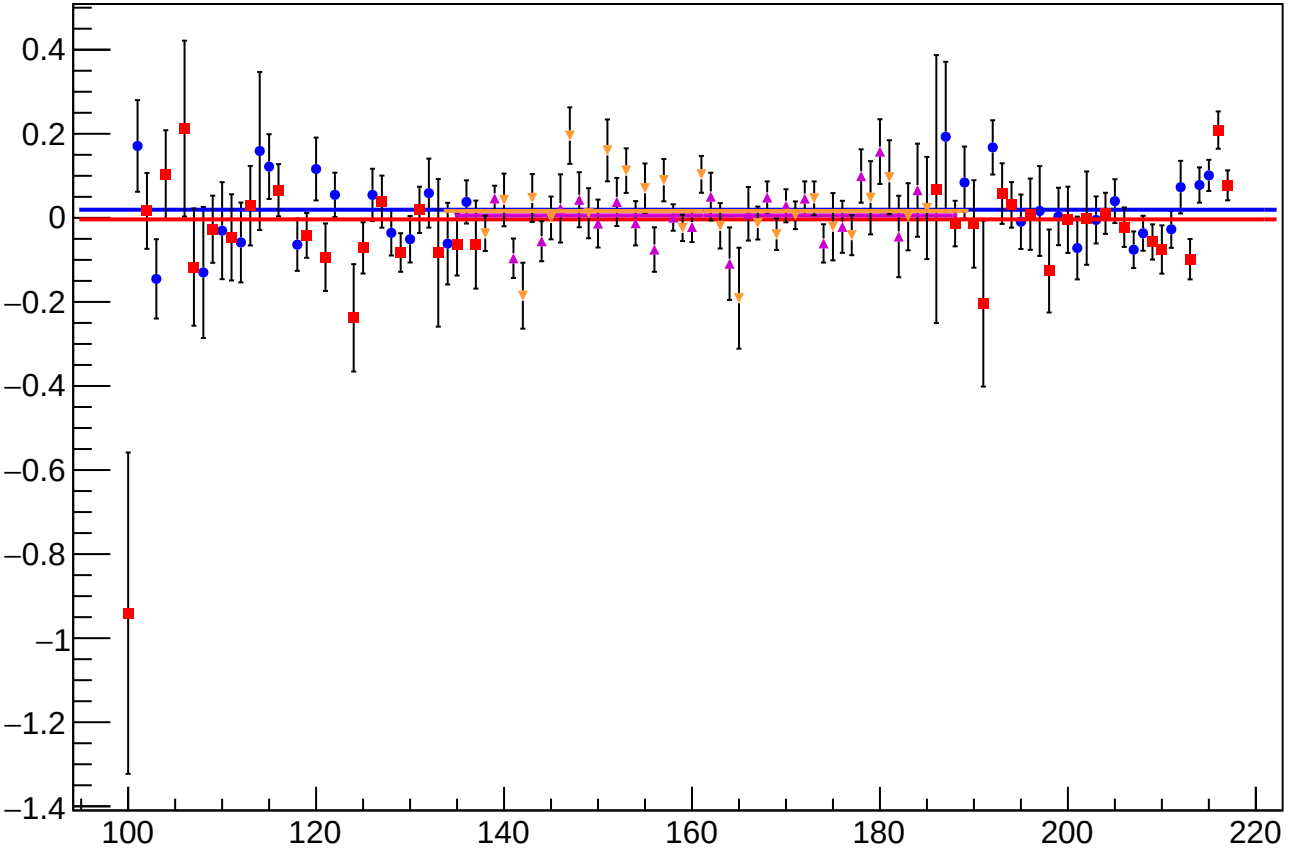
Right: 0.000+/-0.000 χ^2/NDF: 16972799.7/66

In: 0.000+/-0.000 χ^2/NDF:15171383.4/53

Out: 0.000+/-0.000 χ^2/NDF:19240733.8/60

All: 0.000+/-0.000 χ^2/NDF: 34784769.8/114

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: -0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

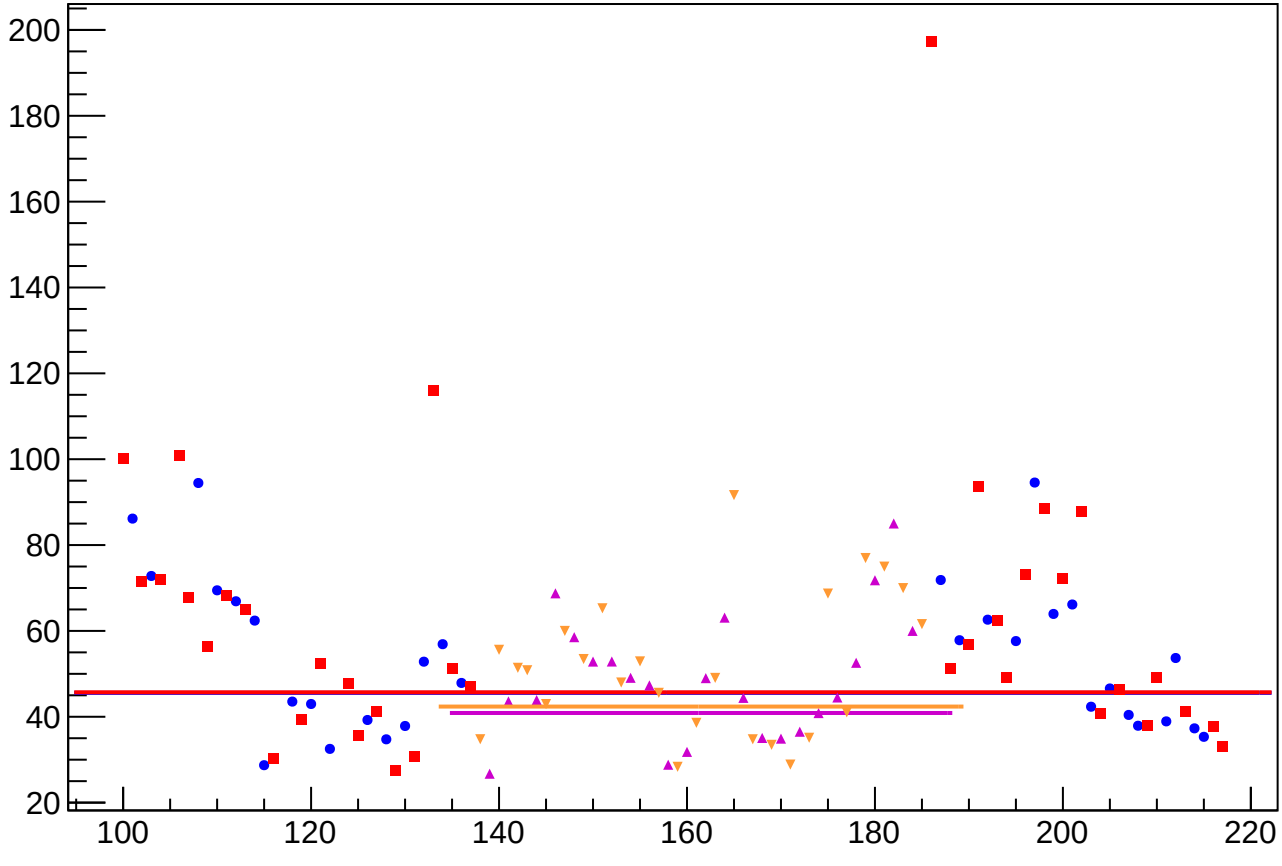
Right: 0.008+/-0.008 χ^2/NDF: 104.1/66

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: 0.007+/-0.008 χ^2/NDF:103.6/60

All: 0.010+/-0.005 χ^2/NDF: 171.8/114

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.566+/-0.008 χ^2/NDF: 2676611.0/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 45.697+/-0.008 χ^2/NDF: 4015321.5/35

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

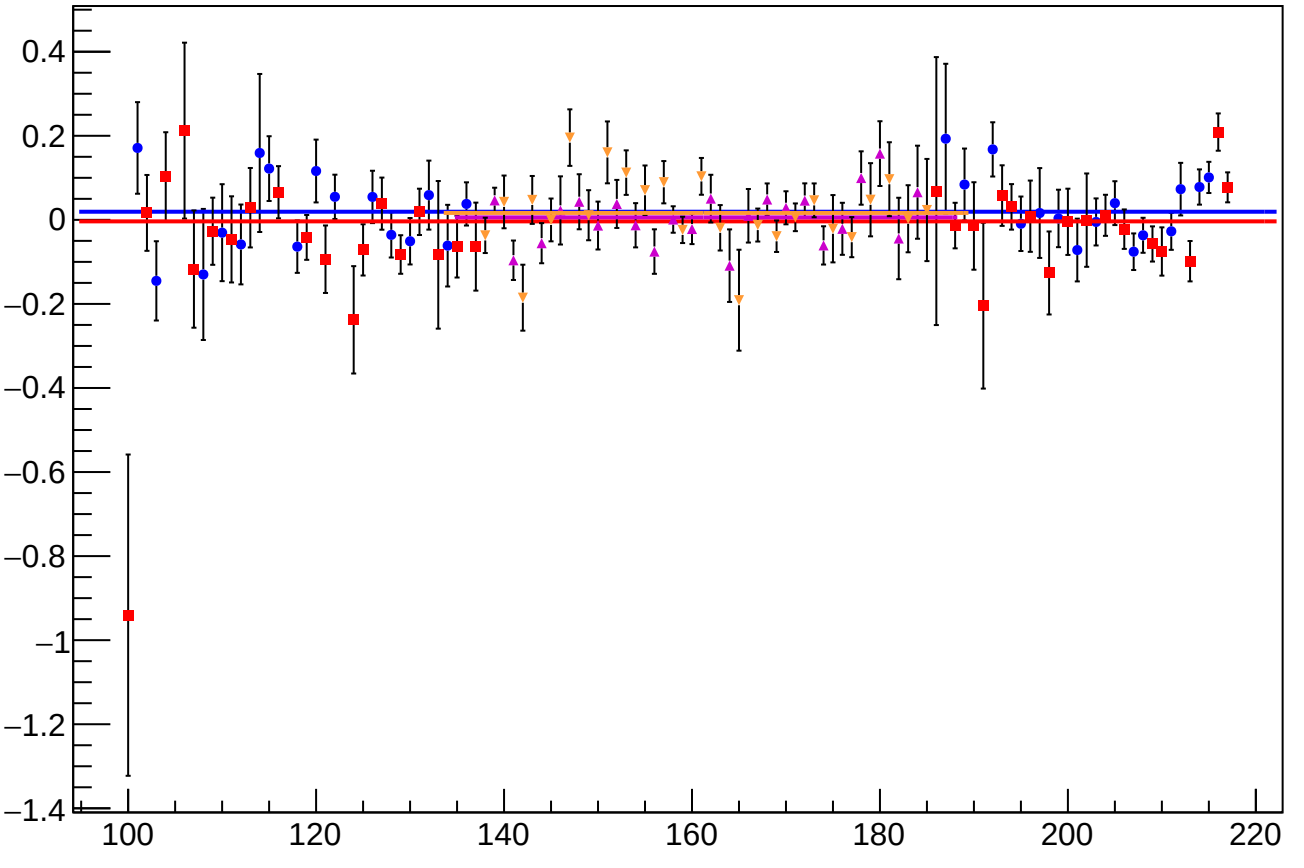
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.632+/-0.006 χ^2/NDF: 6692071.2/66

In: 43.022+/-0.005 χ^2/NDF:5544772.2/53

Out: 43.917+/-0.005 χ^2/NDF:7301993.6/60

All: 43.470+/-0.004 χ^2/NDF: 12860712.2/114



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: -0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

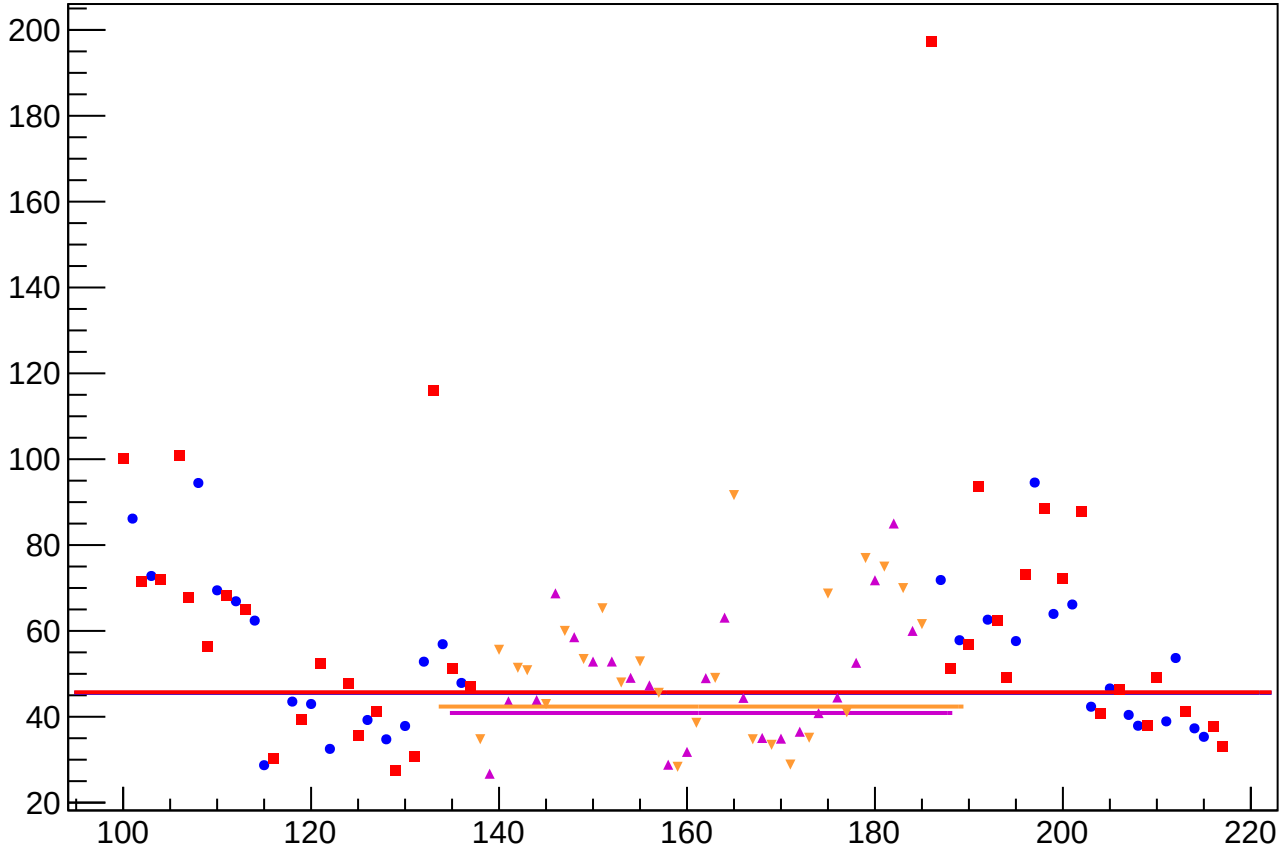
Right: 0.008+/-0.008 χ^2/NDF: 104.1/66

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: 0.007+/-0.008 χ^2/NDF:103.6/60

All: 0.010+/-0.005 χ^2/NDF: 171.8/114

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.566+/-0.008 χ^2/NDF: 2676611.0/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 45.697+/-0.008 χ^2/NDF: 4015321.5/35

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

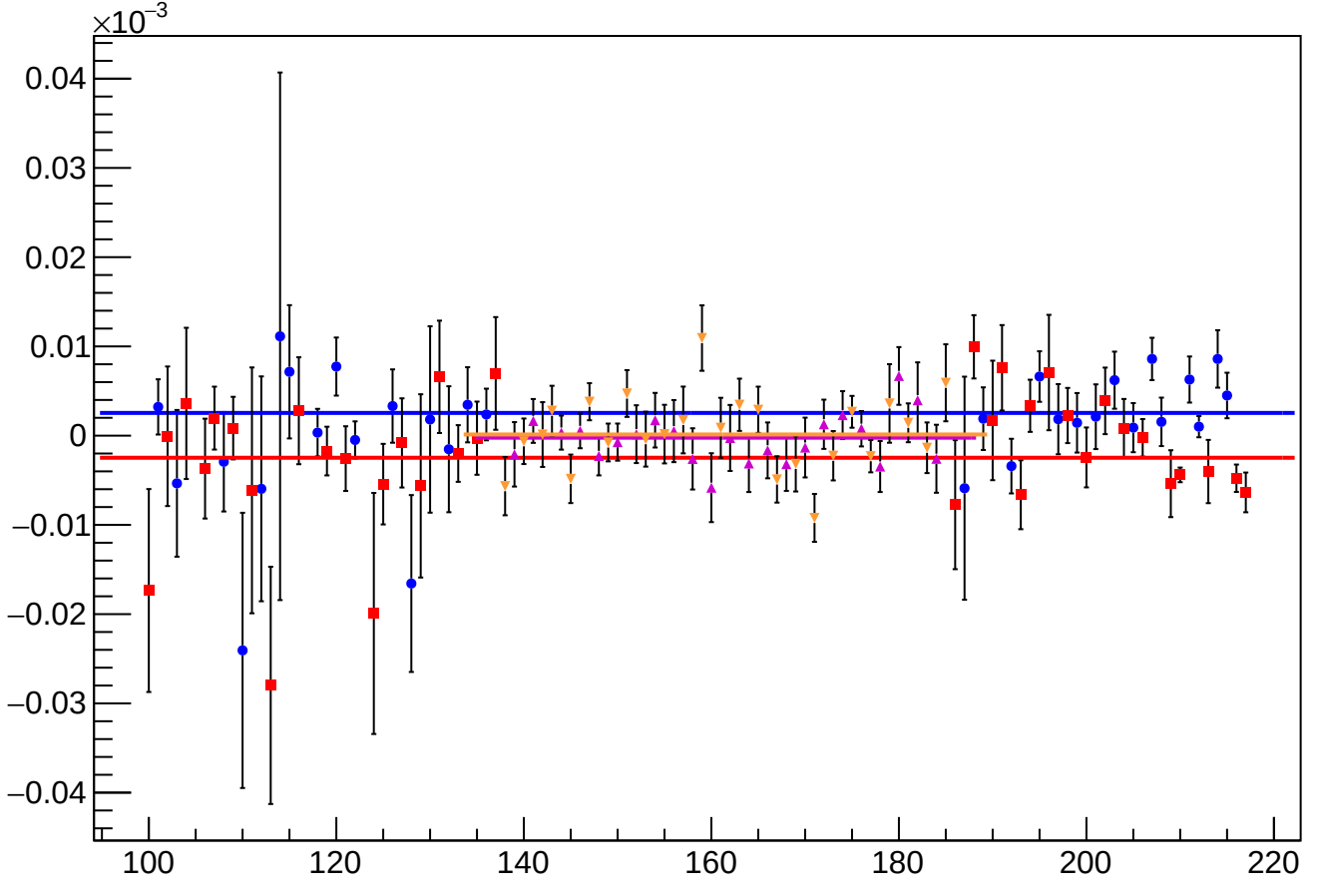
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.632+/-0.006 χ^2/NDF: 6692071.2/66

In: 43.022+/-0.005 χ^2/NDF:5544772.2/53

Out: 43.917+/-0.005 χ^2/NDF:7301993.6/60

All: 43.470+/-0.004 χ^2/NDF: 12860712.2/114



Right In: 0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 60.3/35

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

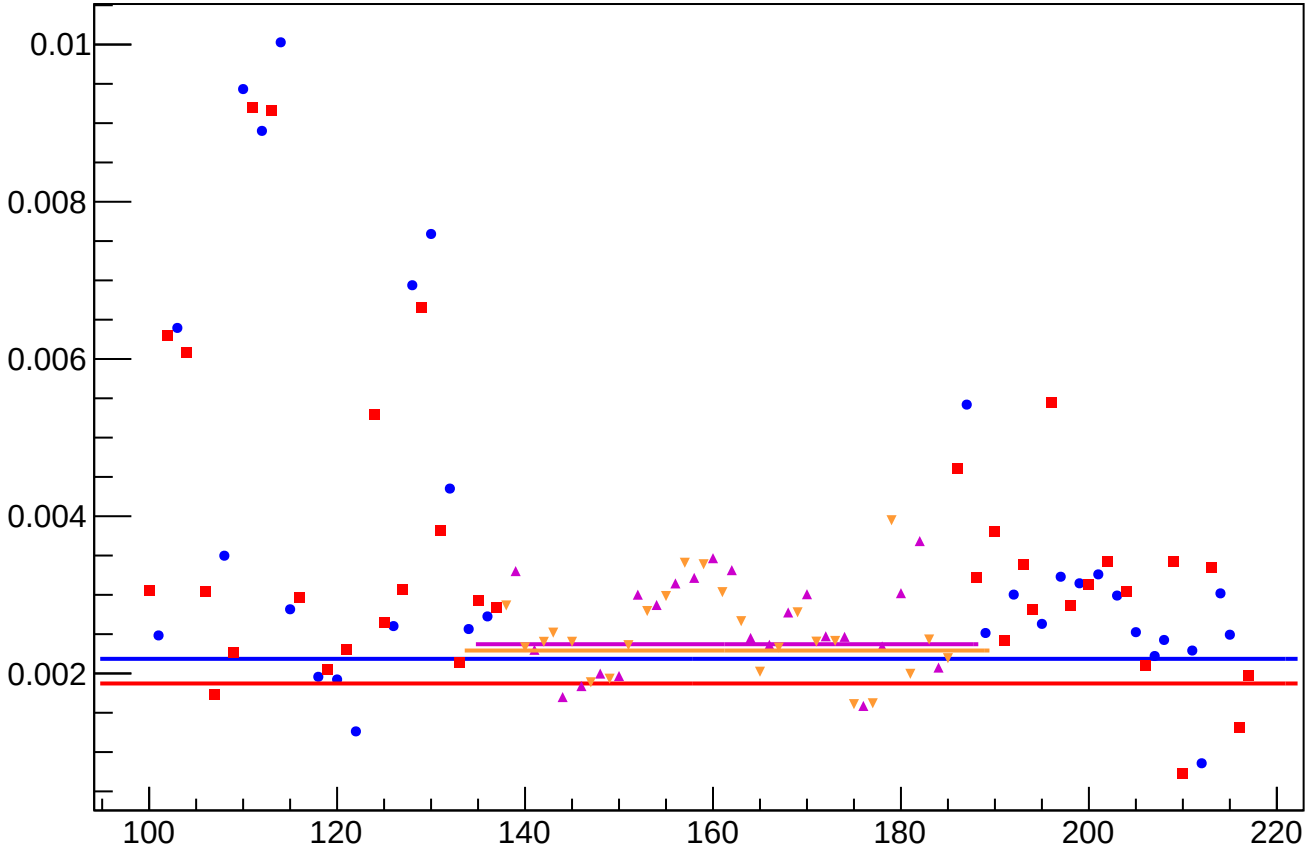
Right: -0.000+/-0.000 χ^2/NDF: 142.6/66

In: 0.000+/-0.000 χ^2/NDF:65.7/53

Out: -0.000+/-0.000 χ^2/NDF:122.8/60

All: -0.000+/-0.000 χ^2/NDF: 208.8/114

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7201335.6/30

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11543474.0/35

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

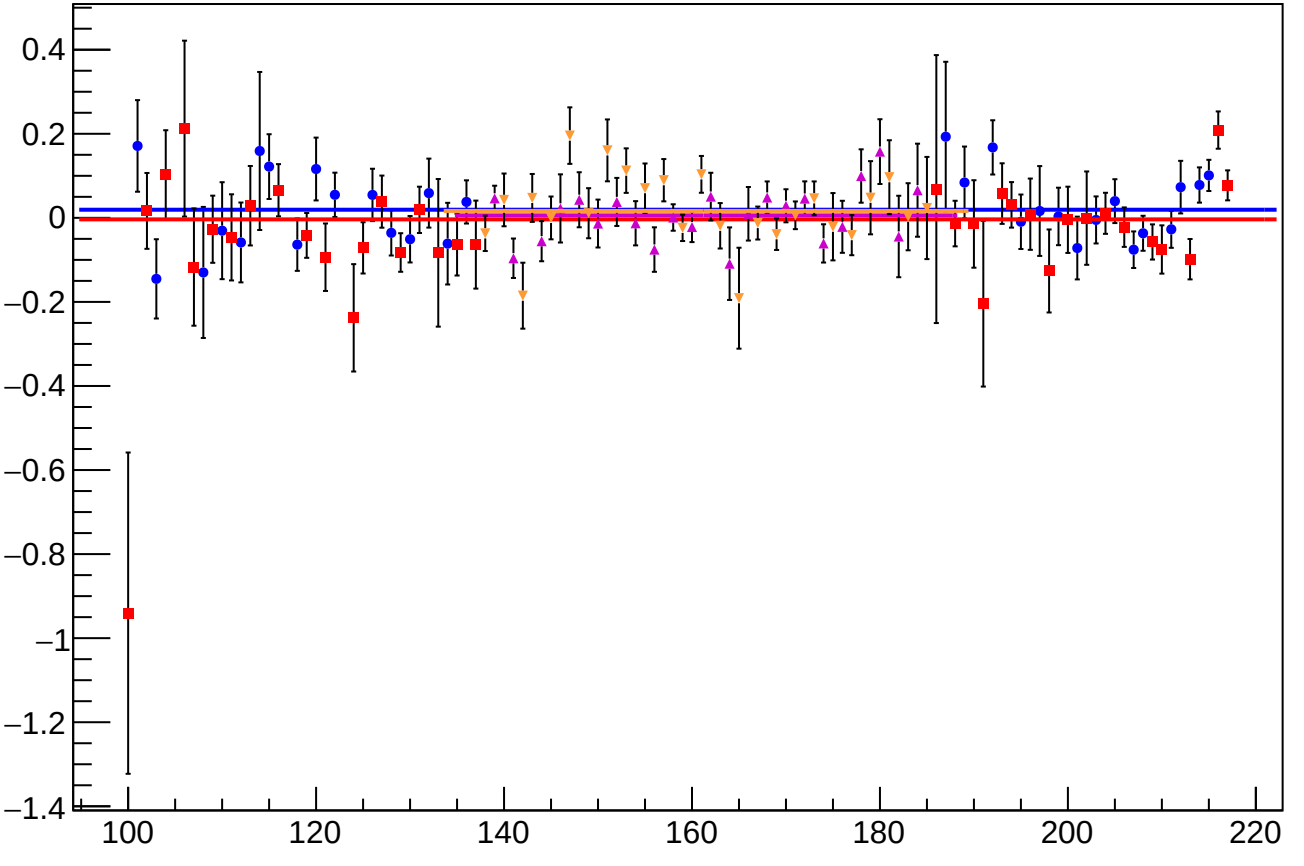
Right: 0.002+/-0.000 χ^2/NDF: 19089966.8/66

In: 0.002+/-0.000 χ^2/NDF:9327687.8/53

Out: 0.002+/-0.000 χ^2/NDF:14016729.2/60

All: 0.002+/-0.000 χ^2/NDF: 23641881.7/114

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: -0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

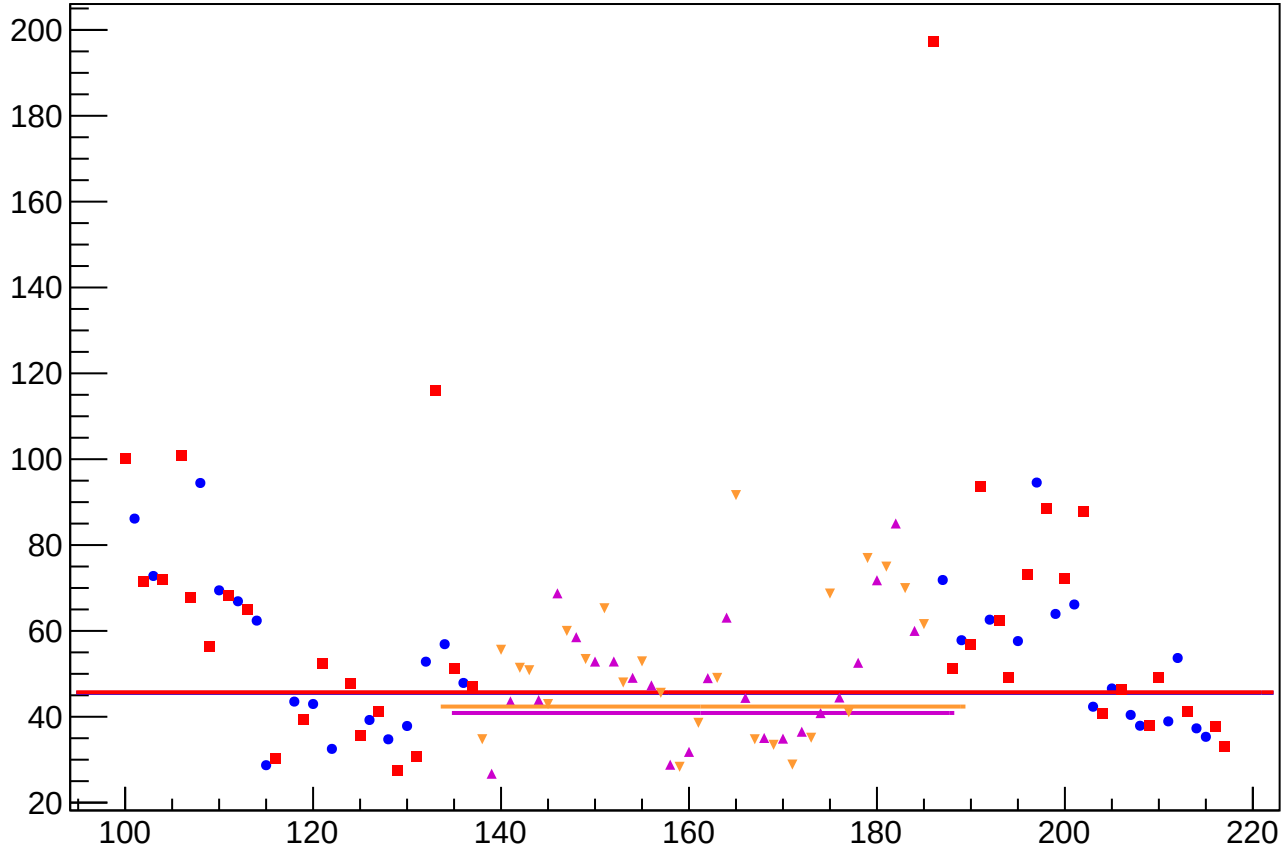
Right: 0.008+/-0.008 χ^2/NDF: 104.1/66

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: 0.007+/-0.008 χ^2/NDF:103.7/60

All: 0.010+/-0.005 χ^2/NDF: 171.8/114

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: 45.697+/-0.008 χ^2/NDF: 4015289.8/35

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

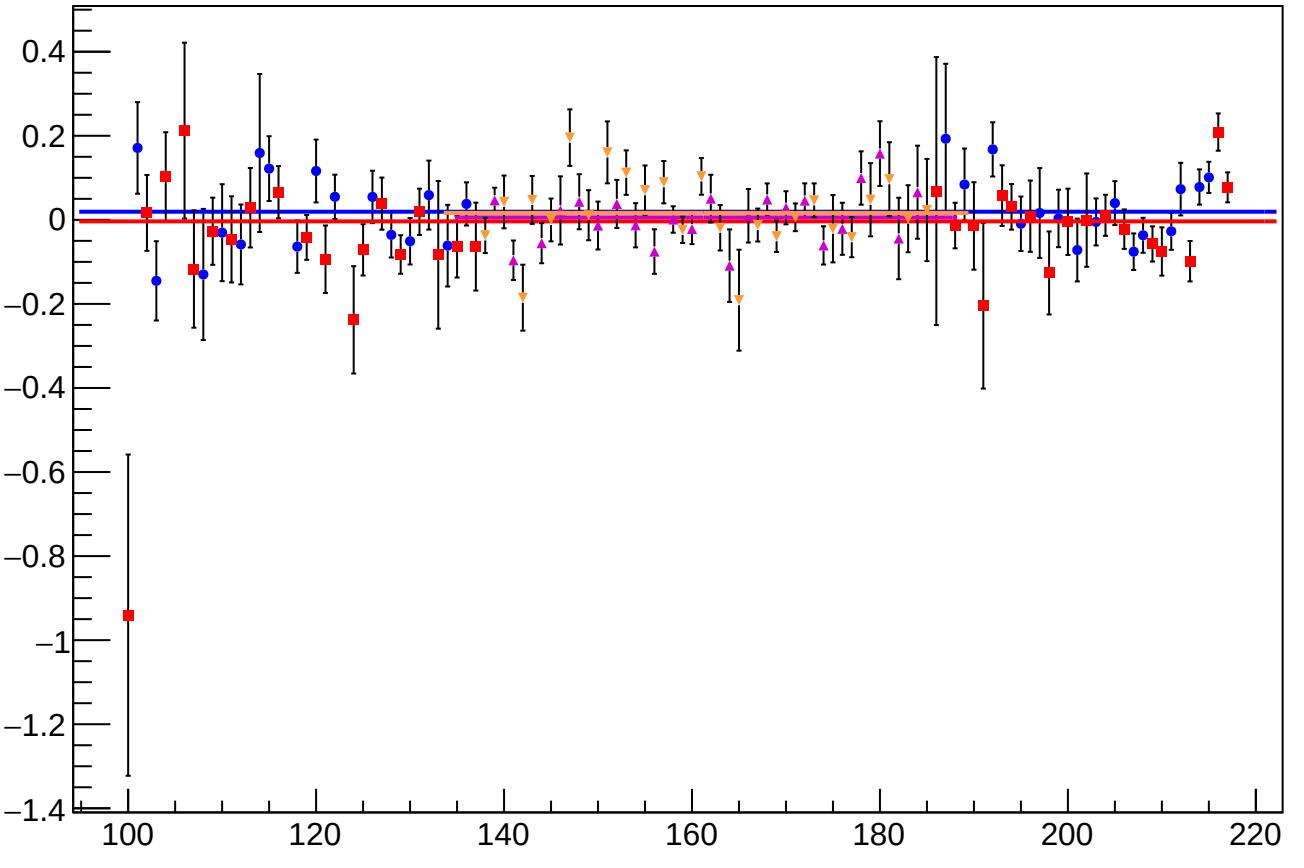
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 45.632+/-0.006 χ^2/NDF: 6691985.6/66

In: 43.023+/-0.005 χ^2/NDF:5544707.9/53

Out: 43.917+/-0.005 χ^2/NDF:7301967.8/60

All: 43.470+/-0.004 χ^2/NDF: 12860619.5/114



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: -0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

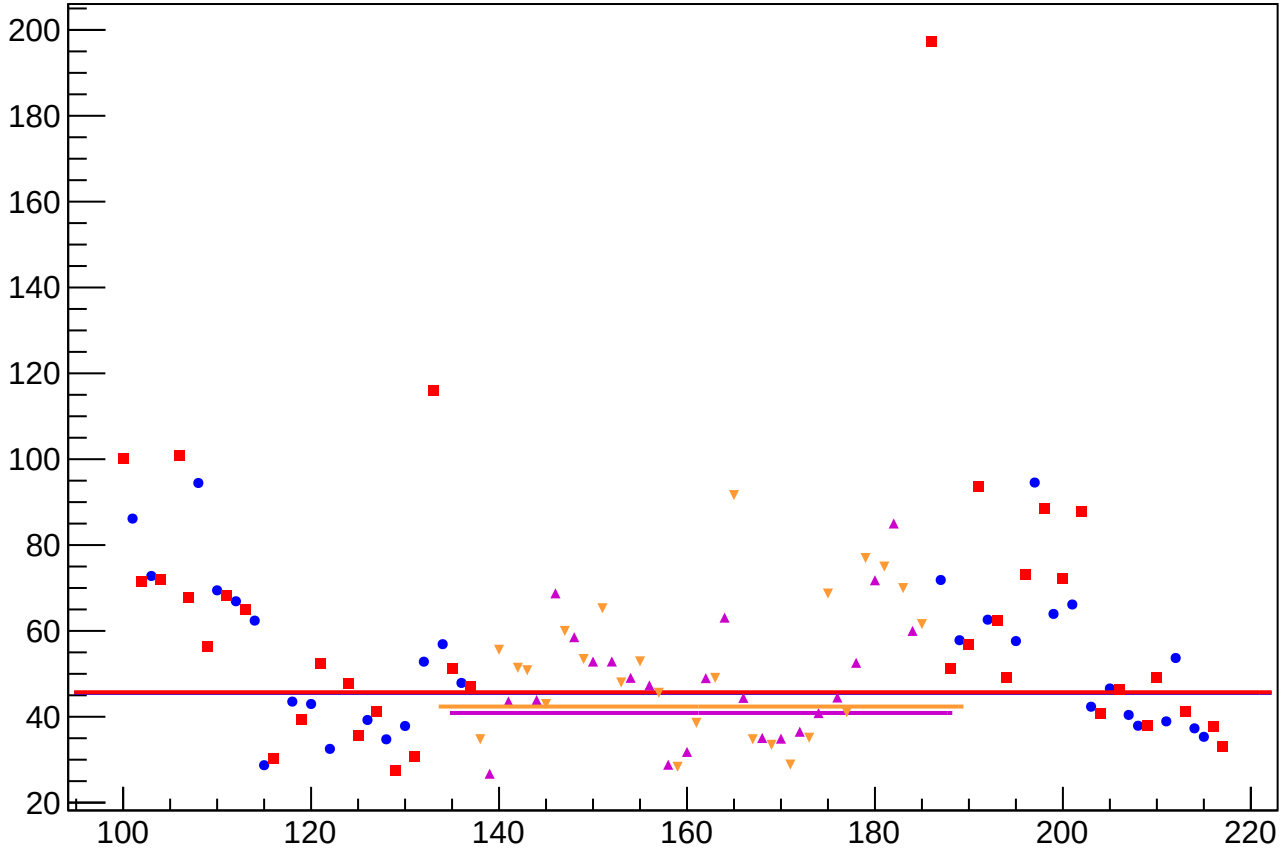
Right: 0.008+/-0.008 χ^2/NDF: 104.1/66

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: 0.007+/-0.008 χ^2/NDF:103.7/60

All: 0.010+/-0.005 χ^2/NDF: 171.8/114

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: 45.697+/-0.008 χ^2/NDF: 4015289.8/35

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

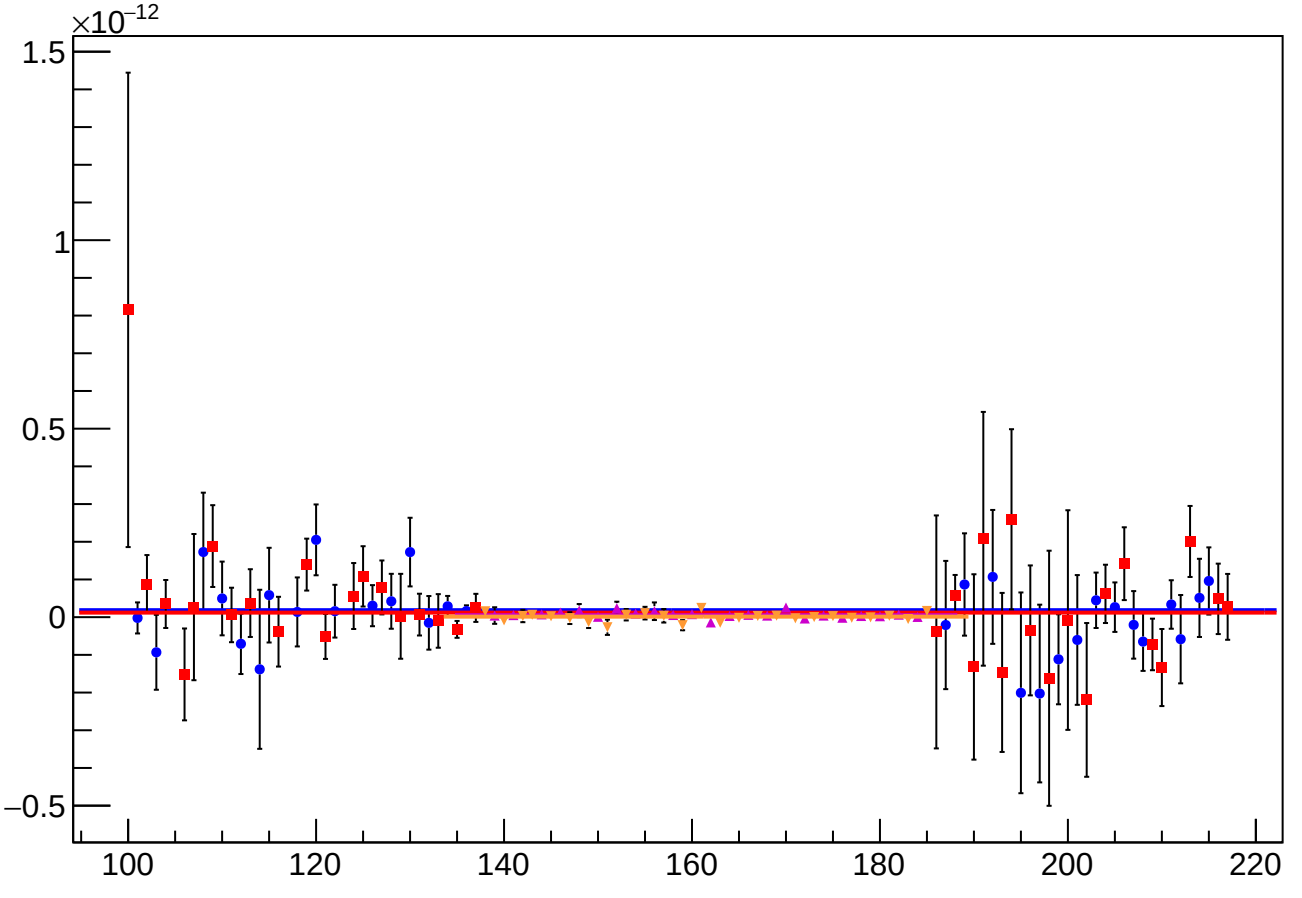
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 45.632+/-0.006 χ^2/NDF: 6691985.6/66

In: 43.023+/-0.005 χ^2/NDF:5544707.9/53

Out: 43.917+/-0.005 χ^2/NDF:7301967.8/60

All: 43.470+/-0.004 χ^2/NDF: 12860619.5/114



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: 33.5/35

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

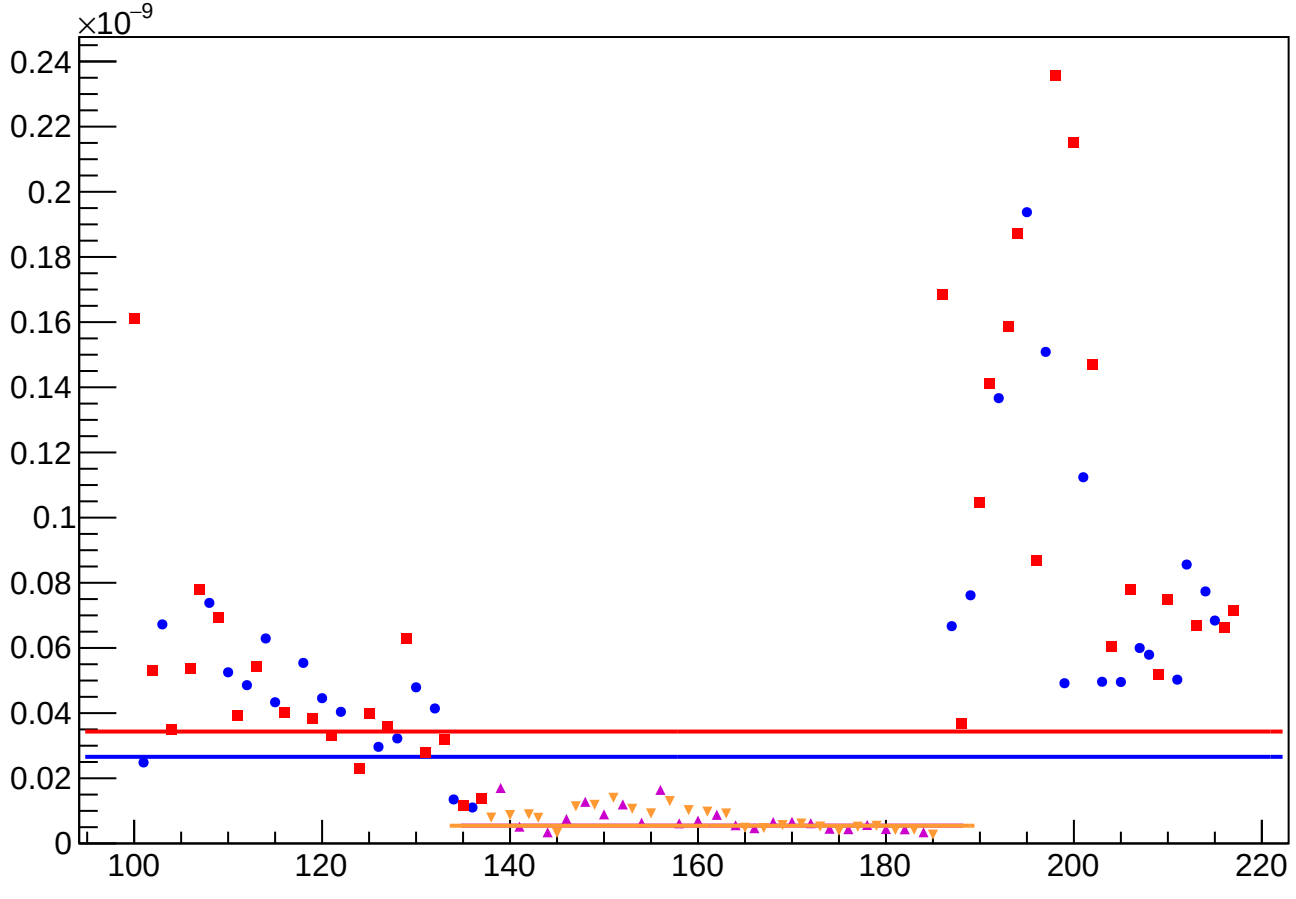
Right: 0.000+/-0.000 χ^2/NDF: 51.8/66

In: 0.000+/-0.000 χ^2/NDF:33.0/53

Out: 0.000+/-0.000 χ^2/NDF:53.9/60

All: 0.000+/-0.000 χ^2/NDF: 89.4/114

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: 9984163.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

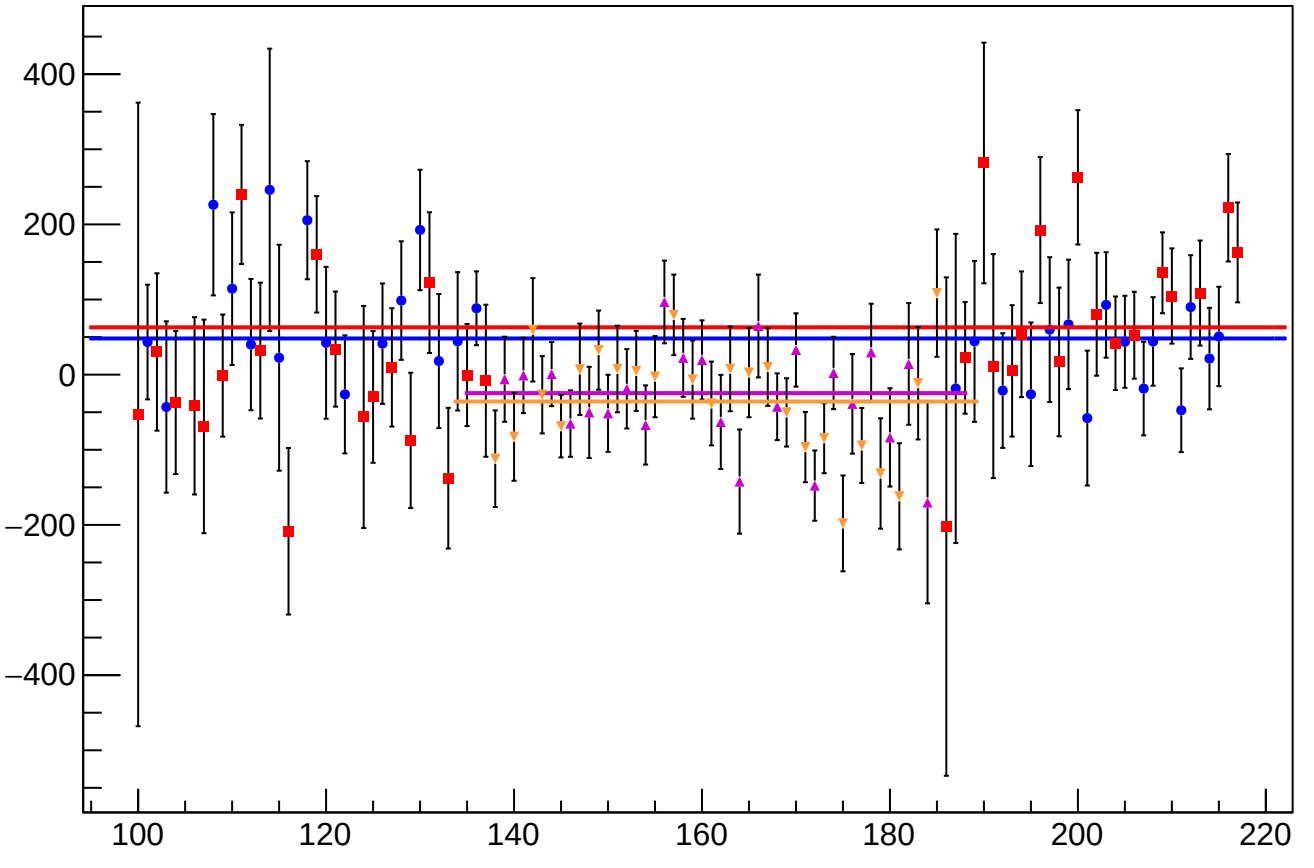
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 20276828.9/66

In: 0.000+/-0.000 χ^2/NDF:20833362.5/53

Out: 0.000+/-0.000 χ^2/NDF:24828267.1/60

All: 0.000+/-0.000 χ^2/NDF: 45663895.0/114



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: 62.991+/-14.217 χ^2/NDF: 46.8/35

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

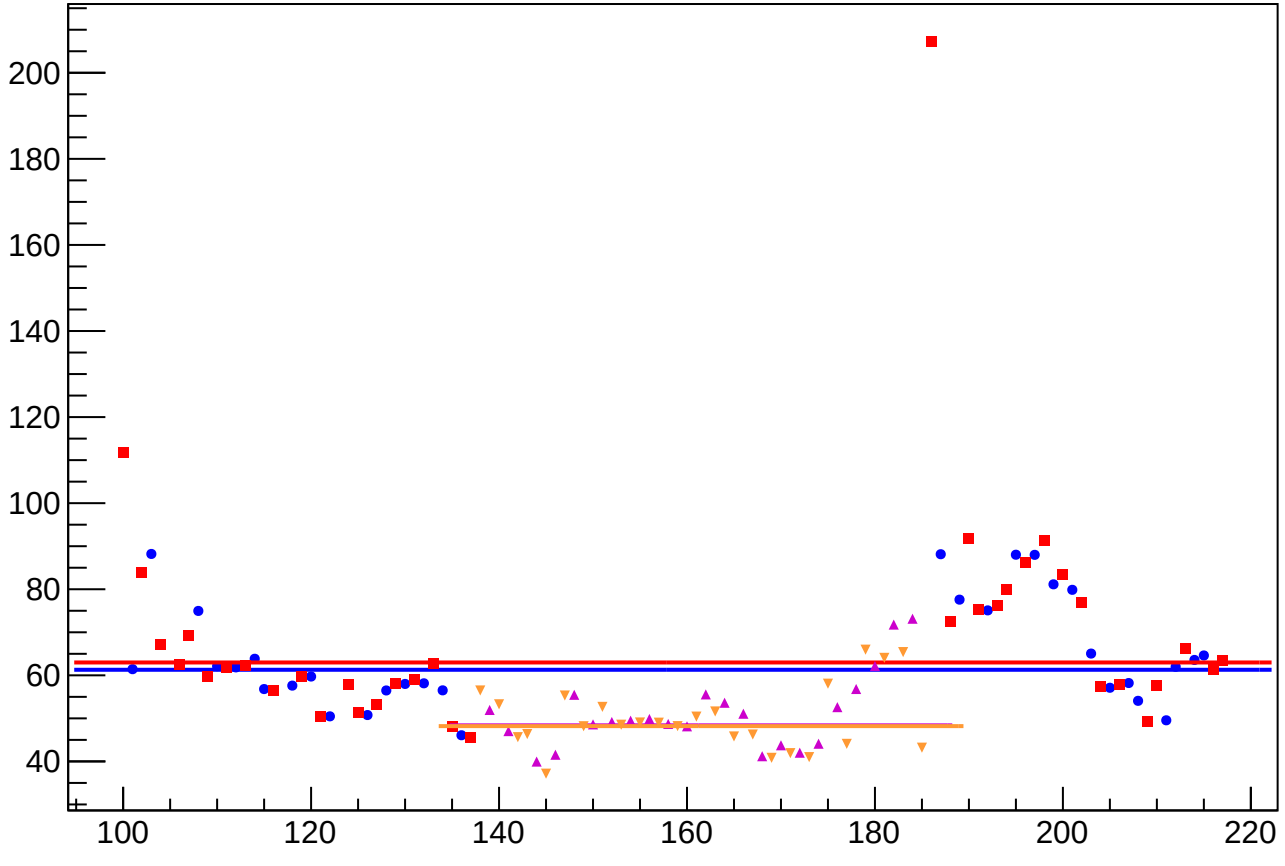
Right: 55.597+/-10.066 χ^2/NDF: 69.2/66

In: 4.019+/-8.937 χ^2/NDF:63.3/53

Out: 1.704+/-8.759 χ^2/NDF:110.5/60

All: 2.838+/-6.255 χ^2/NDF: 173.8/114

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: 62.988+/-0.010 χ^2/NDF: 1653938.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

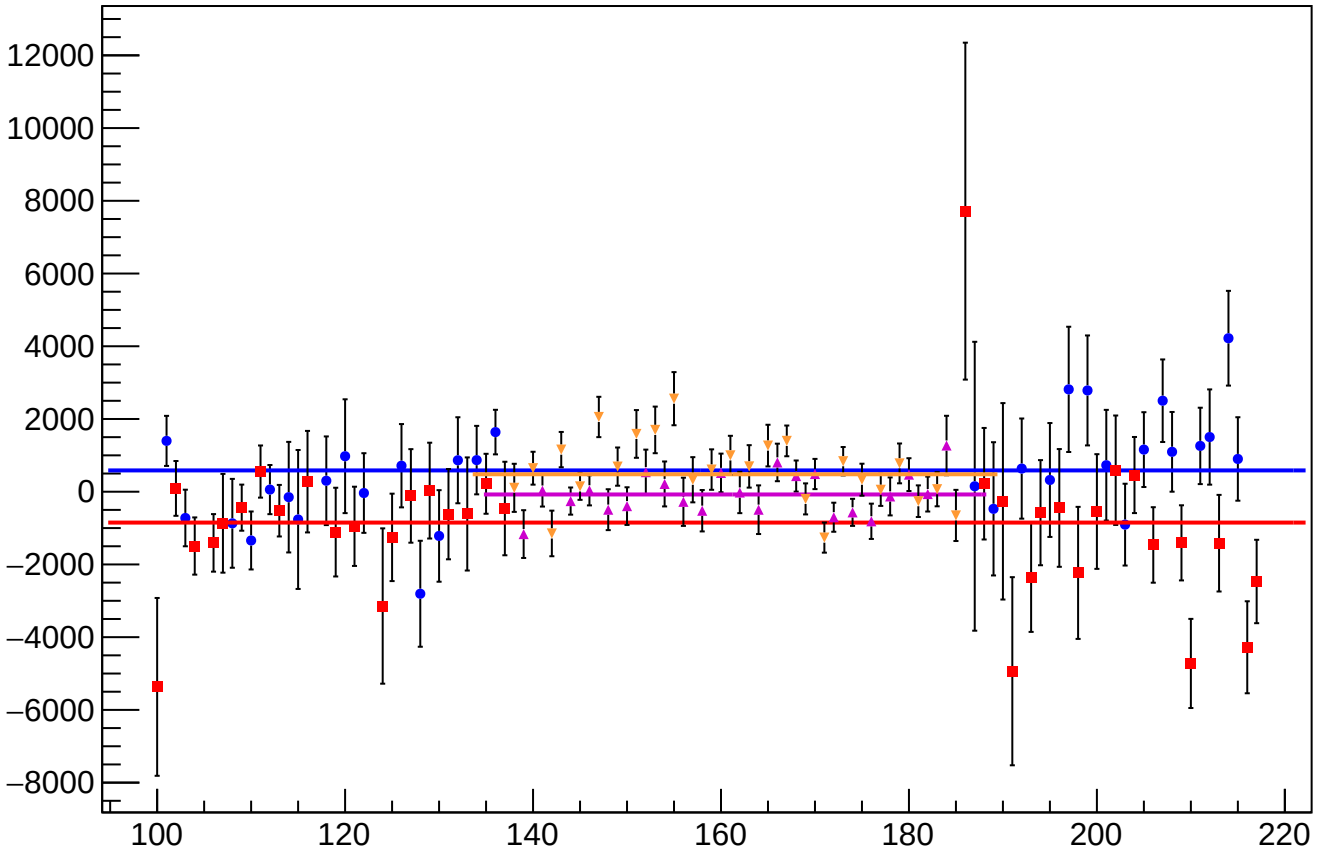
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.141+/-0.007 χ^2/NDF: 2888966.3/66

In: 53.455+/-0.006 χ^2/NDF:2911762.7/53

Out: 53.812+/-0.006 χ^2/NDF:3777123.2/60

All: 53.637+/-0.004 χ^2/NDF: 6690513.7/114



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: -848.800+/-189.096 χ^2/NDF: 46.0/35

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

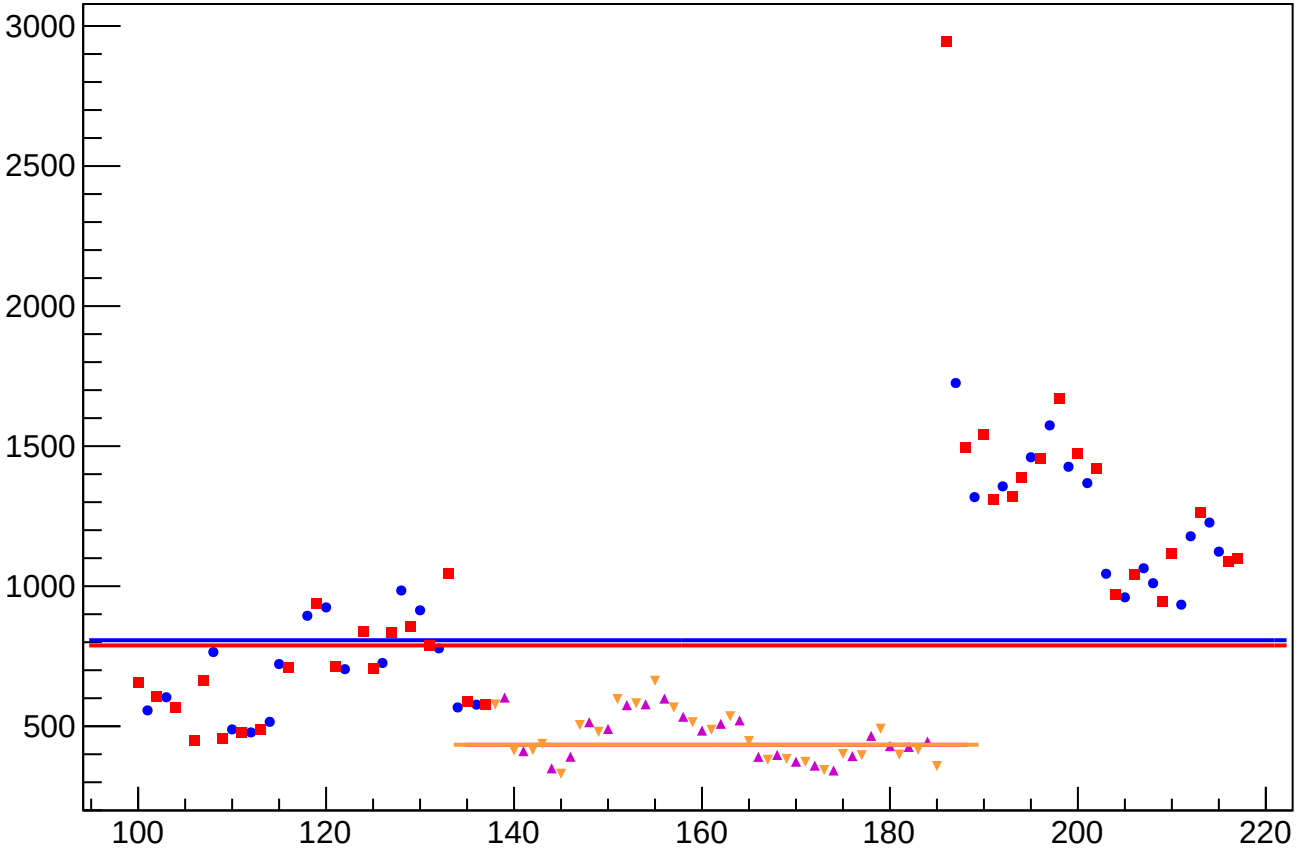
Right: -159.510+/-136.290 χ^2/NDF: 115.5/66

In: 67.028+/-91.327 χ^2/NDF:75.2/53

Out: 187.380+/-88.762 χ^2/NDF:153.7/60

All: 128.918+/-63.652 χ^2/NDF: 229.8/114

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: 788.466+/-0.134 χ^2/NDF: 6353544.4/35

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

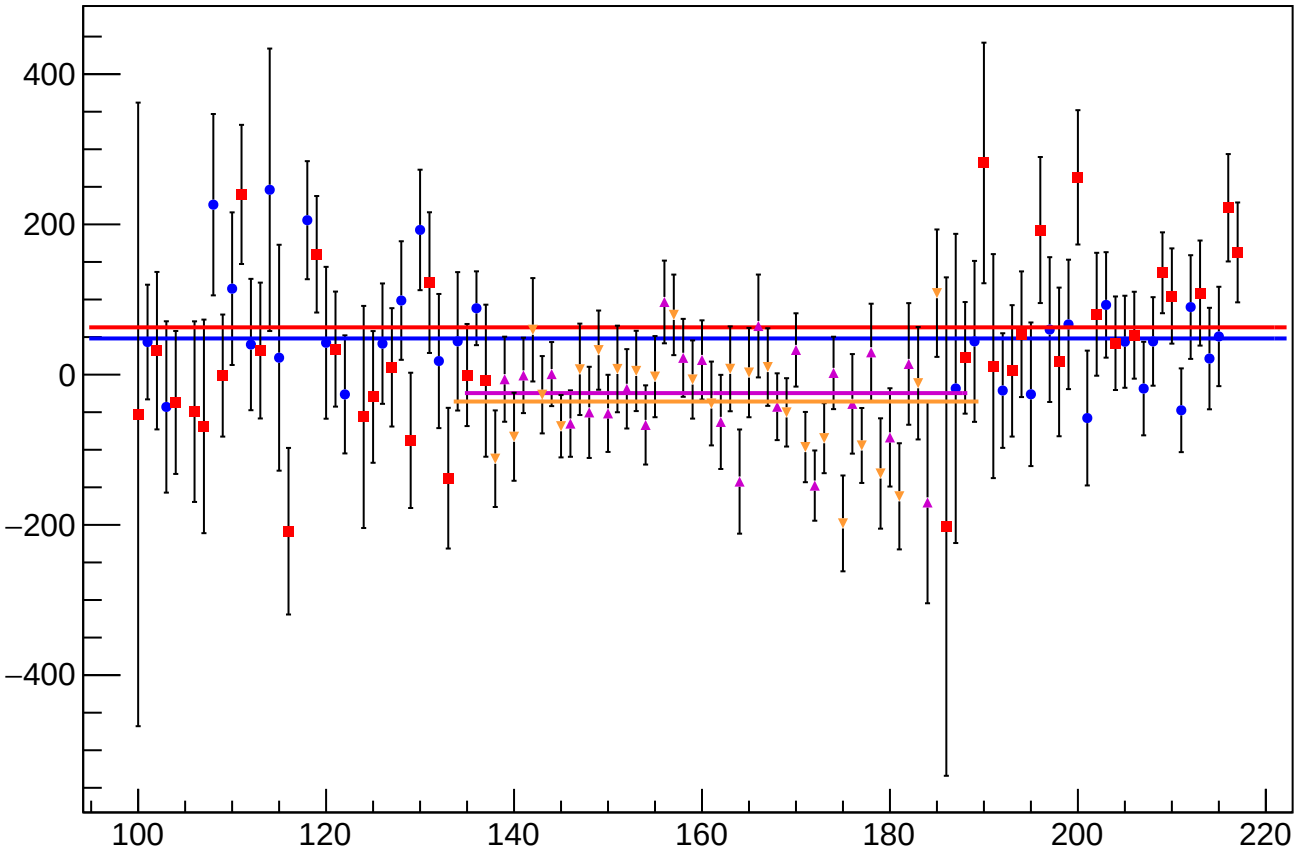
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 797.401+/-0.096 χ^2/NDF: 10931377.1/66

In: 514.276+/-0.065 χ^2/NDF:11318794.4/53

Out: 512.060+/-0.063 χ^2/NDF:13078165.3/60

All: 513.137+/-0.045 χ^2/NDF: 24397565.3/1



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: 62.968+/-14.221 χ^2/NDF: 46.9/35

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

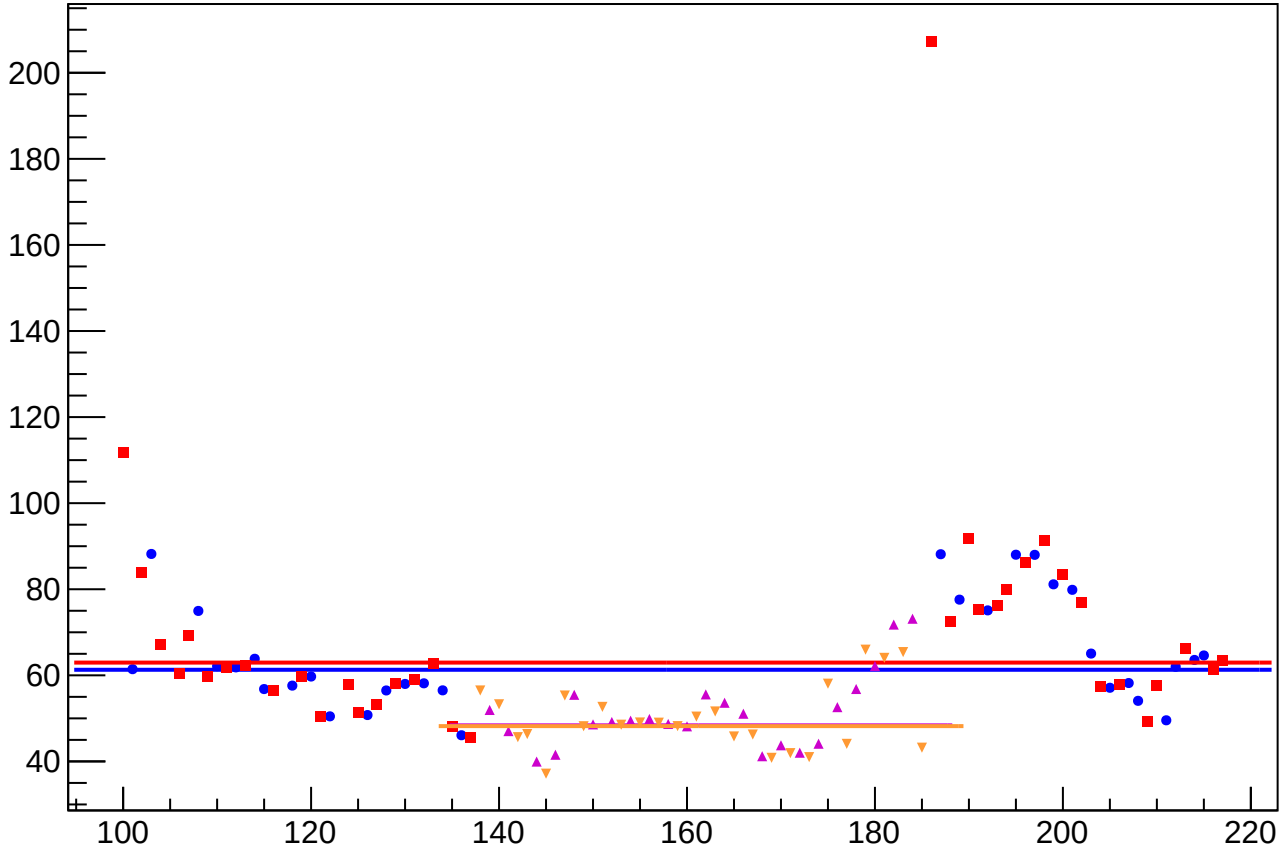
Right: 55.585+/-10.067 χ^2/NDF: 69.2/66

In: 4.019+/-8.937 χ^2/NDF:63.3/53

Out: 1.680+/-8.760 χ^2/NDF:110.5/60

All: 2.826+/-6.256 χ^2/NDF: 173.9/114

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.290+/-0.010 χ^2/NDF: 1220799.7/30

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.960+/-0.010 χ^2/NDF: 1655011.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

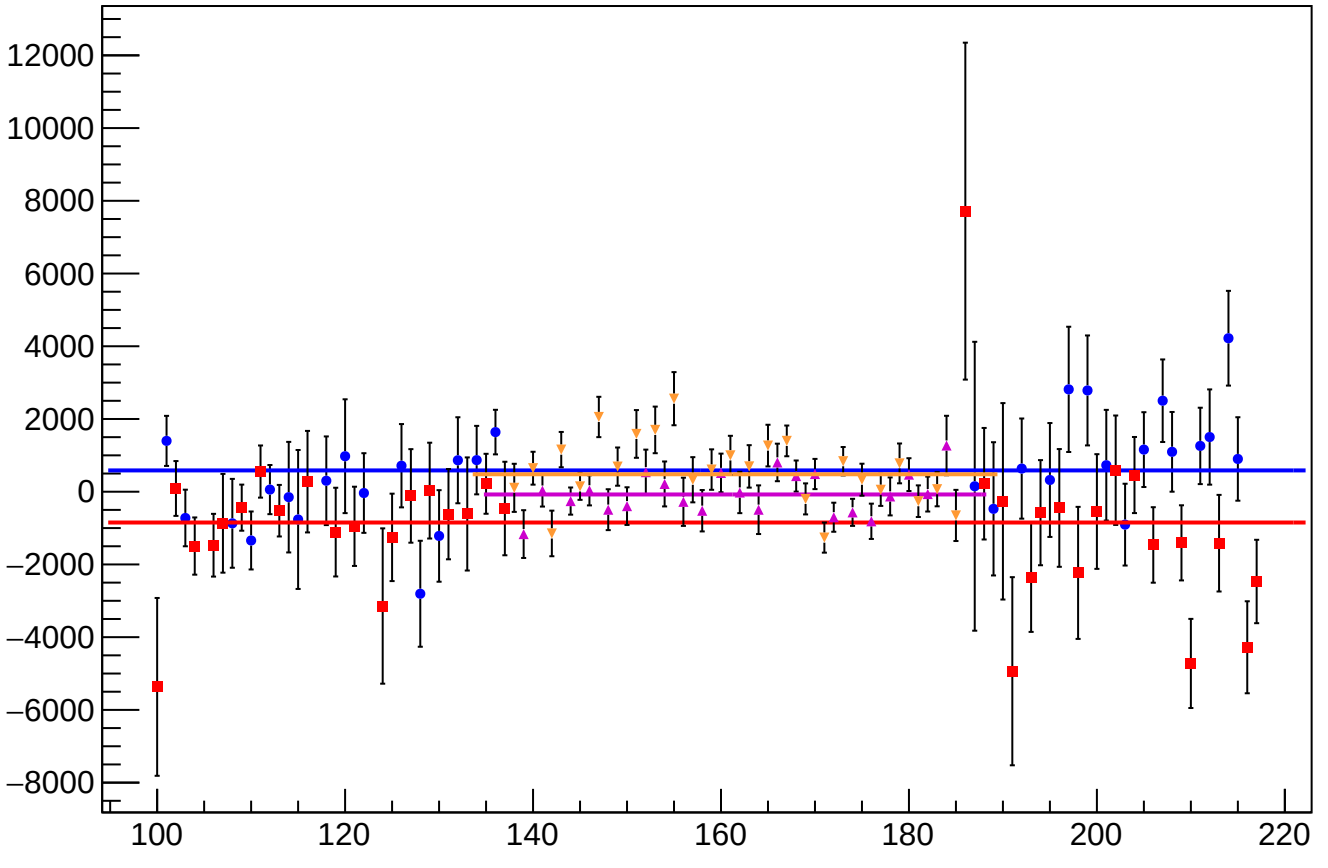
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.127+/-0.007 χ^2/NDF: 2889574.4/66

In: 53.455+/-0.006 χ^2/NDF:2911766.6/53

Out: 53.799+/-0.006 χ^2/NDF:3772673.8/60

All: 53.630+/-0.004 χ^2/NDF: 6685956.1/114



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: -847.012+/-189.964 χ^2/NDF: 46.0/35

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

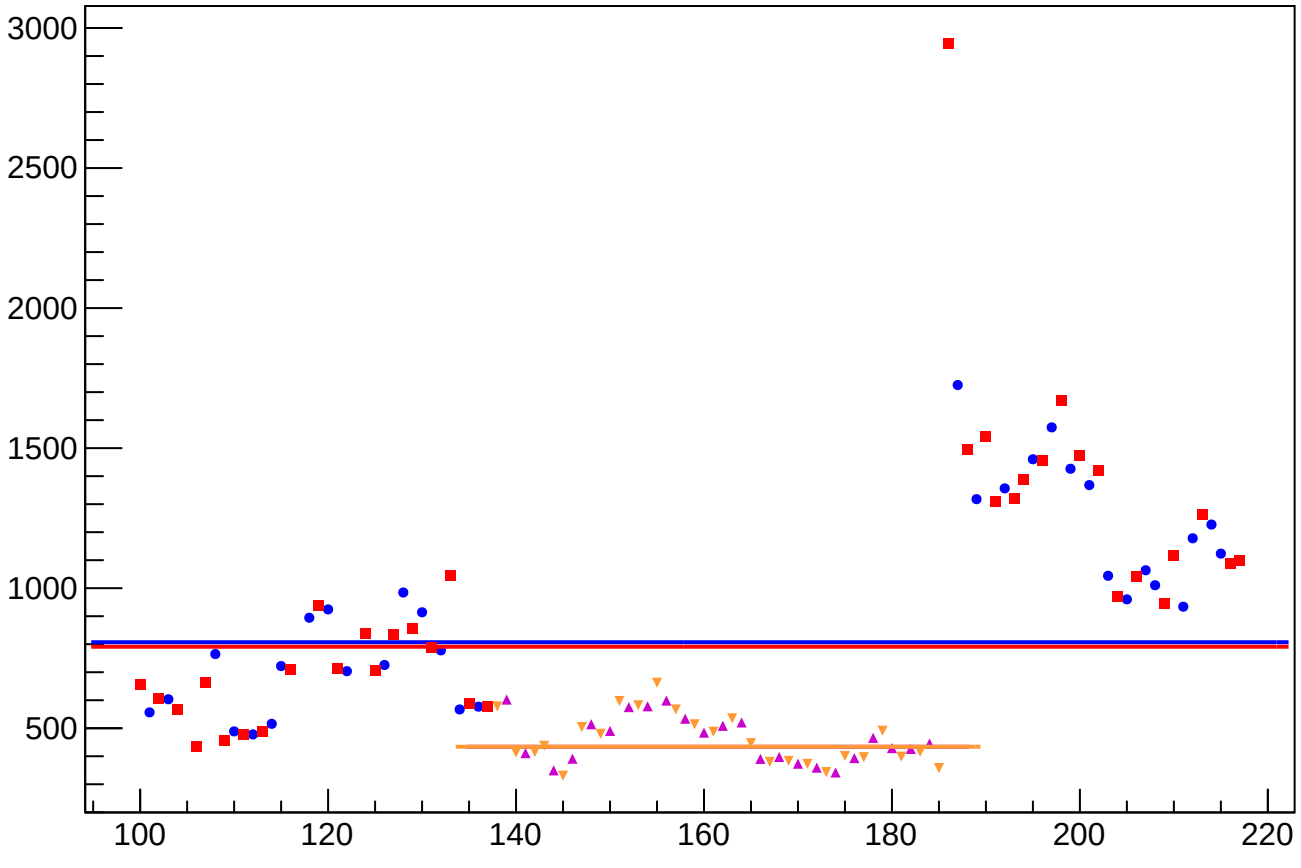
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -155.293+/-136.614 χ^2/NDF: 115.3/66

In: 67.031+/-91.327 χ^2/NDF:75.2/53

Out: 189.854+/-88.852 χ^2/NDF:153.3/60

All: 130.130+/-63.685 χ^2/NDF: 229.5/114



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: 790.973+/-0.134 χ^2/NDF: 6318473.8/35

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

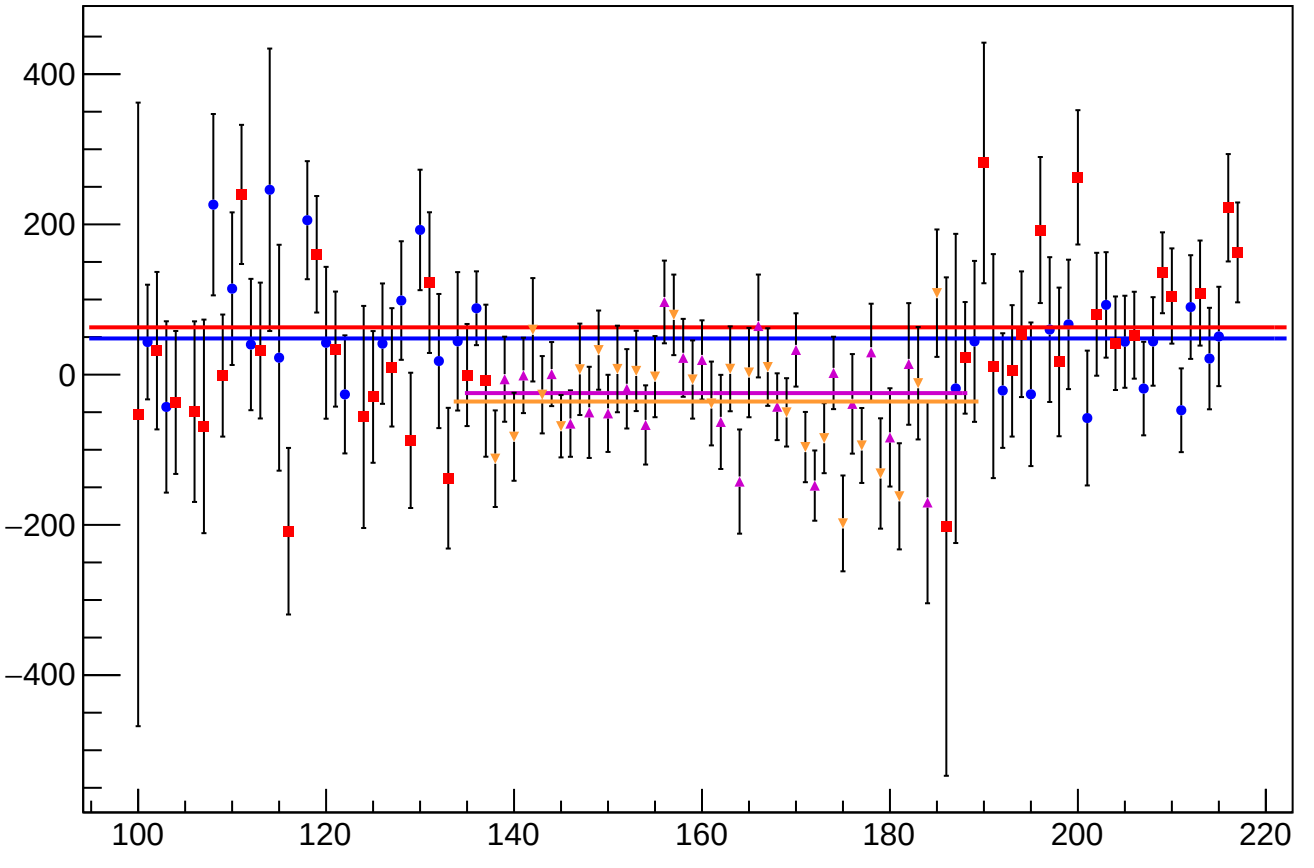
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 798.742+/-0.097 χ^2/NDF: 10893861.6/66

In: 514.277+/-0.065 χ^2/NDF:11318812.1/53

Out: 512.052+/-0.063 χ^2/NDF:13081269.6/60

All: 513.134+/-0.045 χ^2/NDF: 24400691.5/11



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: 62.968+/-14.221 χ^2/NDF: 46.9/35

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

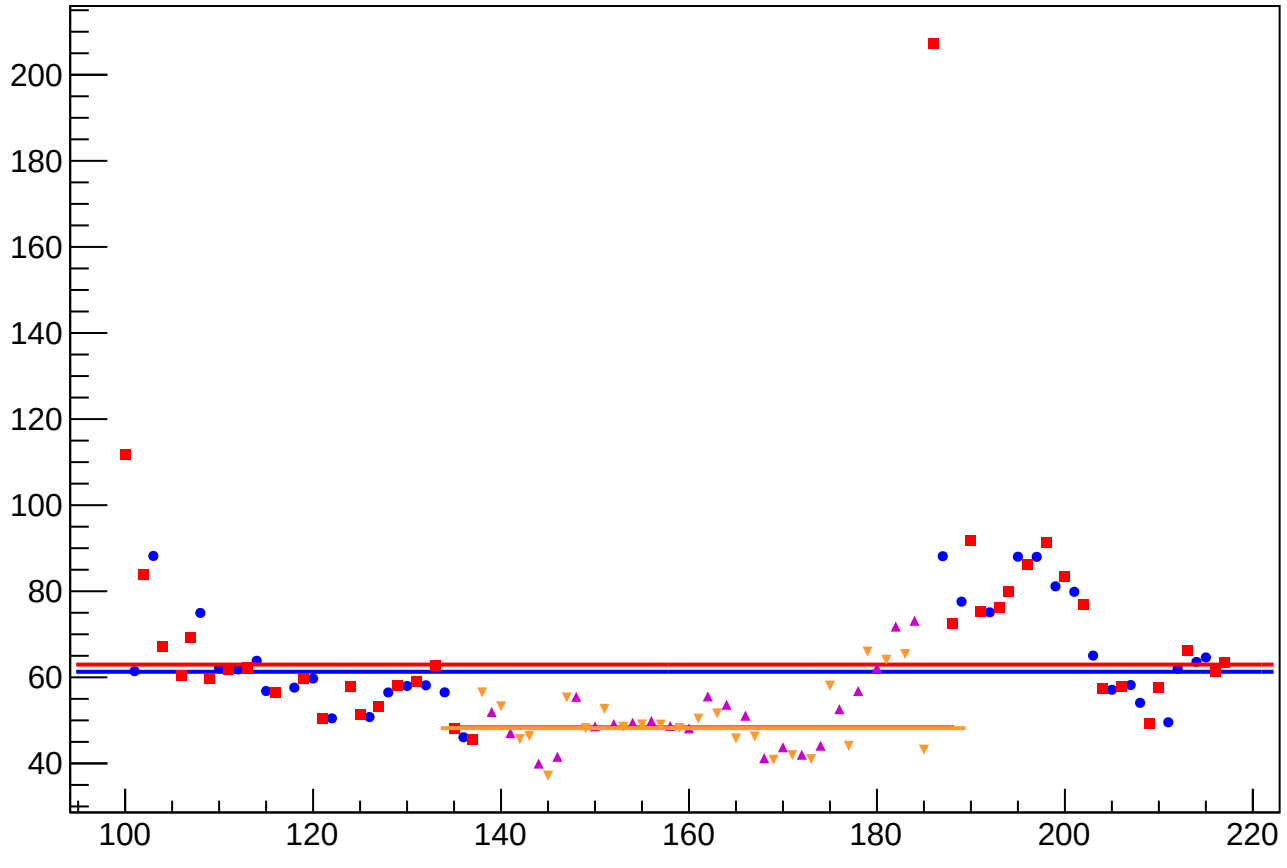
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 55.585+/-10.067 χ^2/NDF: 69.2/66

In: 4.019+/-8.937 χ^2/NDF:63.3/53

Out: 1.680+/-8.760 χ^2/NDF:110.5/60

All: 2.826+/-6.256 χ^2/NDF: 173.9/114



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: 62.960+/-0.010 χ^2/NDF: 1655011.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

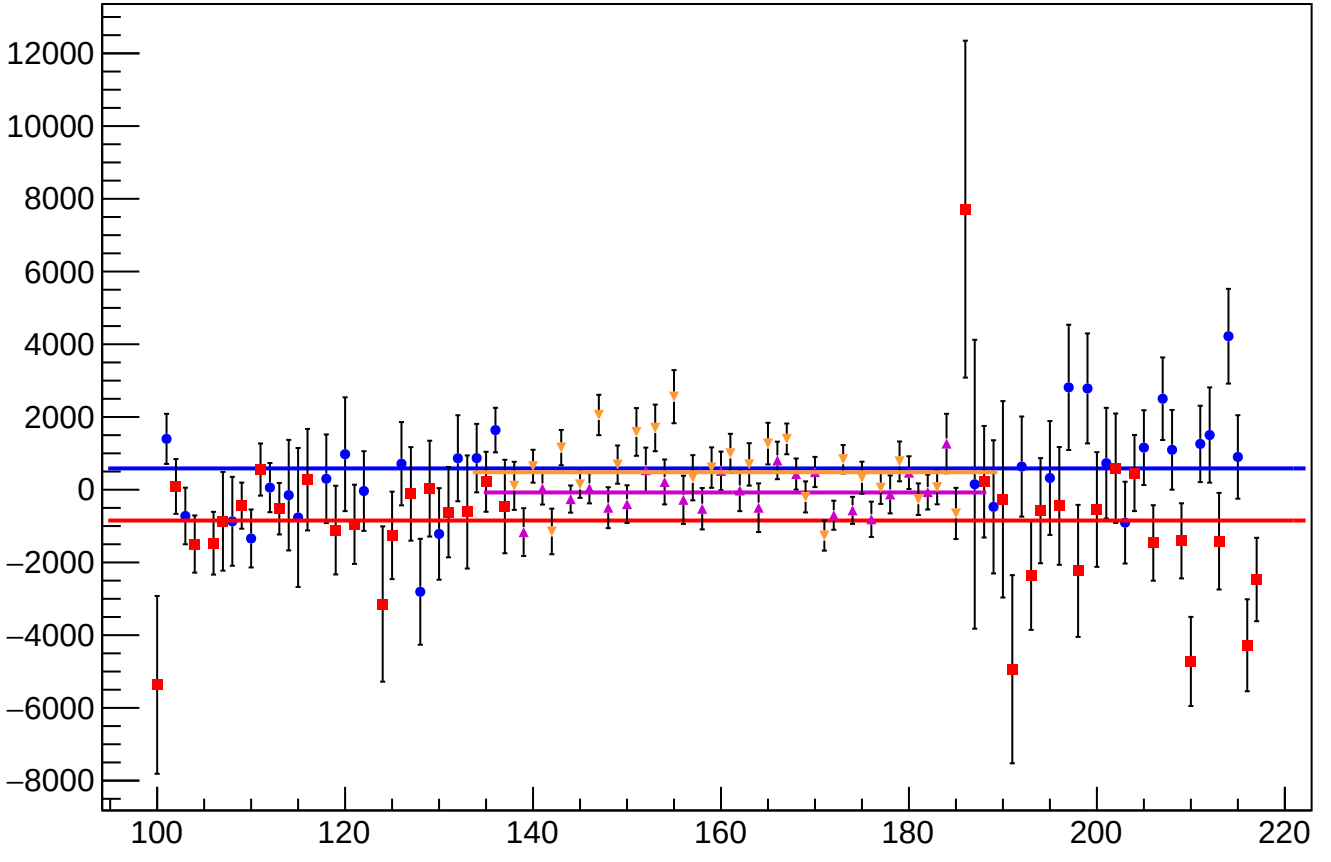
Right: 62.127+/-0.007 χ^2/NDF: 2889574.4/66

In: 53.455+/-0.006 χ^2/NDF:2911766.6/53

Out: 53.799+/-0.006 χ^2/NDF:3772673.8/60

All: 53.630+/-0.004 χ^2/NDF: 6685956.1/114

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 585.677+/-196.611 χ^2/NDF: 41.9/30

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -847.012+/-189.964 χ^2/NDF: 46.0/35

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

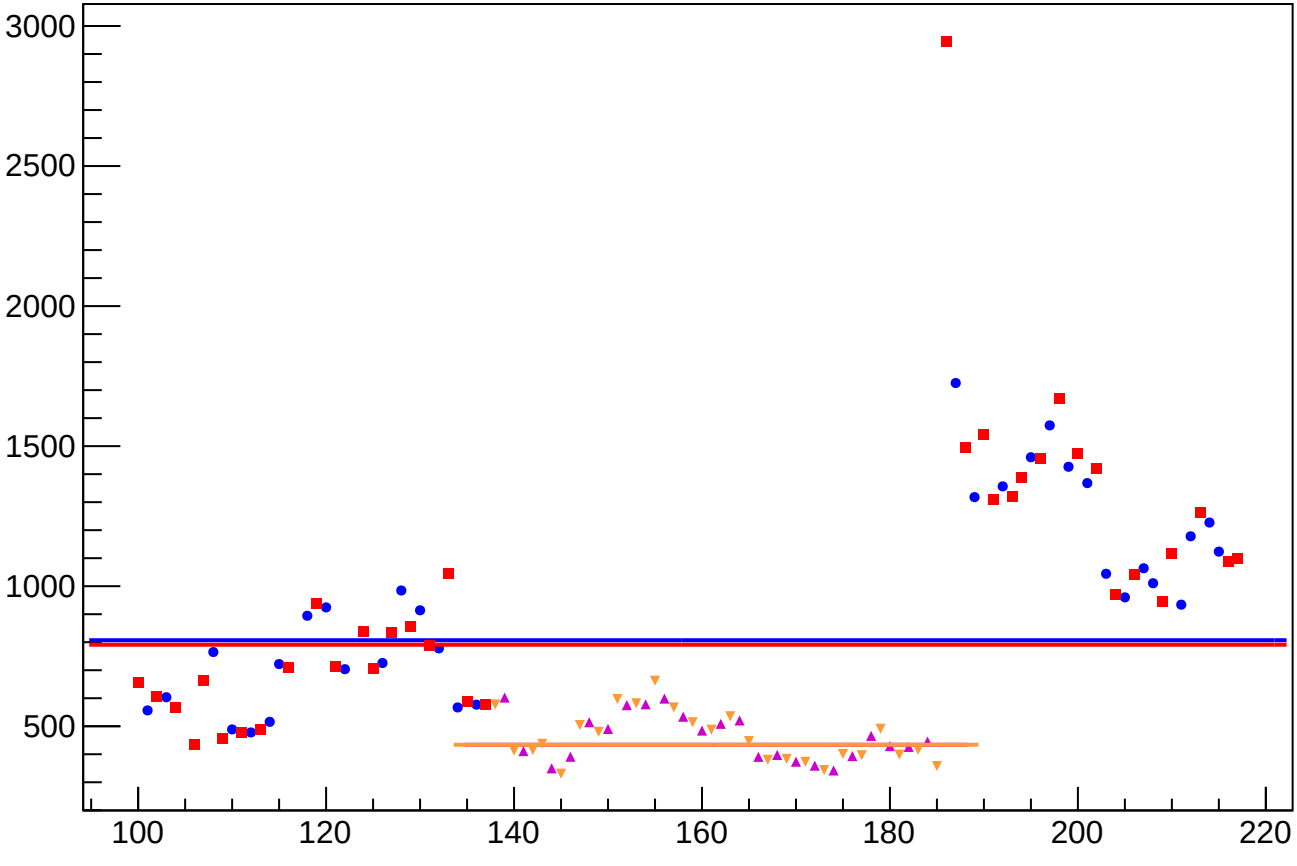
Right: -155.293+/-136.614 χ^2/NDF: 115.3/66

In: 67.031+/-91.327 χ^2/NDF:75.2/53

Out: 189.854+/-88.852 χ^2/NDF:153.3/60

All: 130.130+/-63.685 χ^2/NDF: 229.5/114

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: 790.973+/-0.134 χ^2/NDF: 6318473.8/35

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

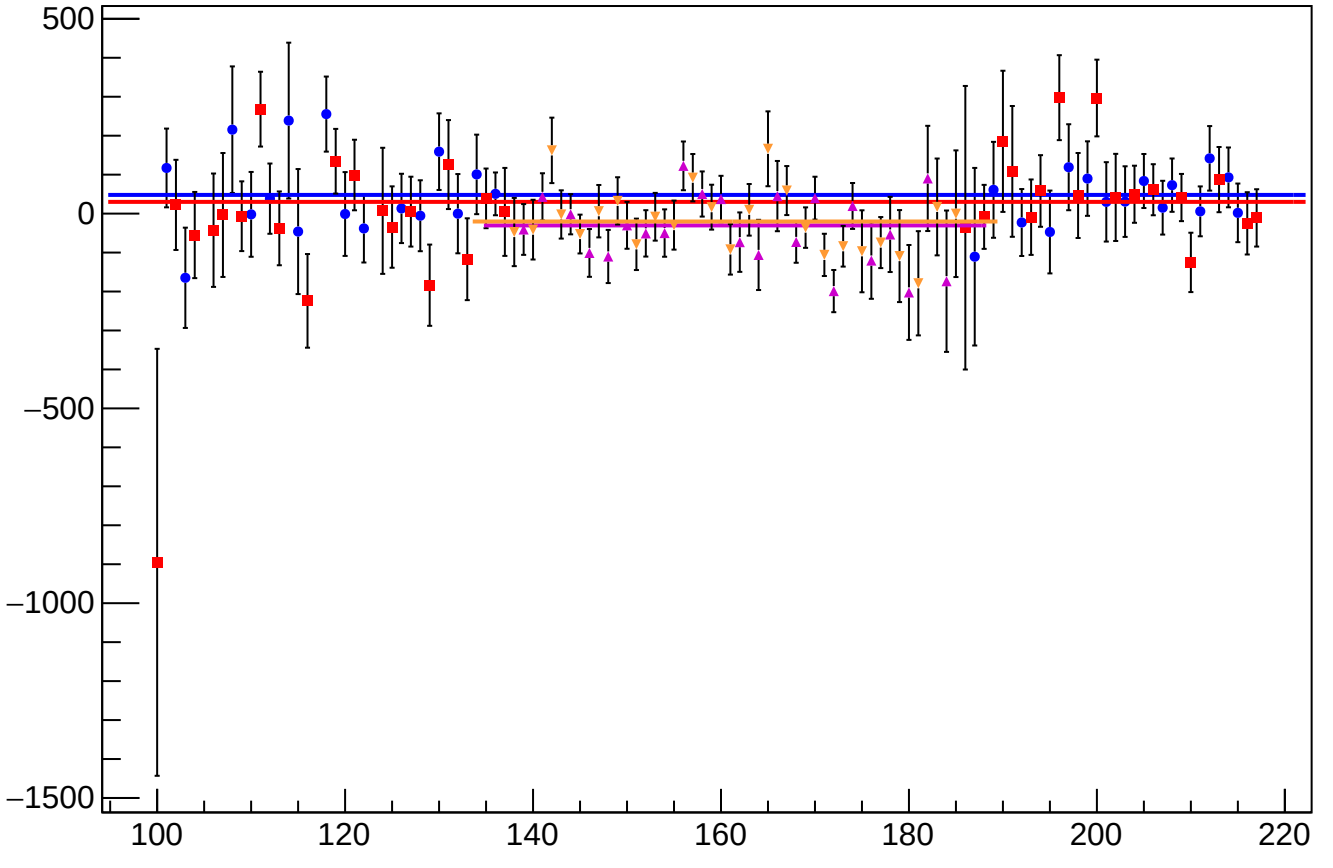
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 798.742+/-0.097 χ^2/NDF: 10893861.6/66

In: 514.277+/-0.065 χ^2/NDF:11318812.1/53

Out: 512.052+/-0.063 χ^2/NDF:13081269.6/60

All: 513.134+/-0.045 χ^2/NDF: 24400691.5/11



Right In: 47.975+/-16.323 χ^2/NDF: 19.5/30

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 30.104+/-16.146 χ^2/NDF: 45.2/35

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

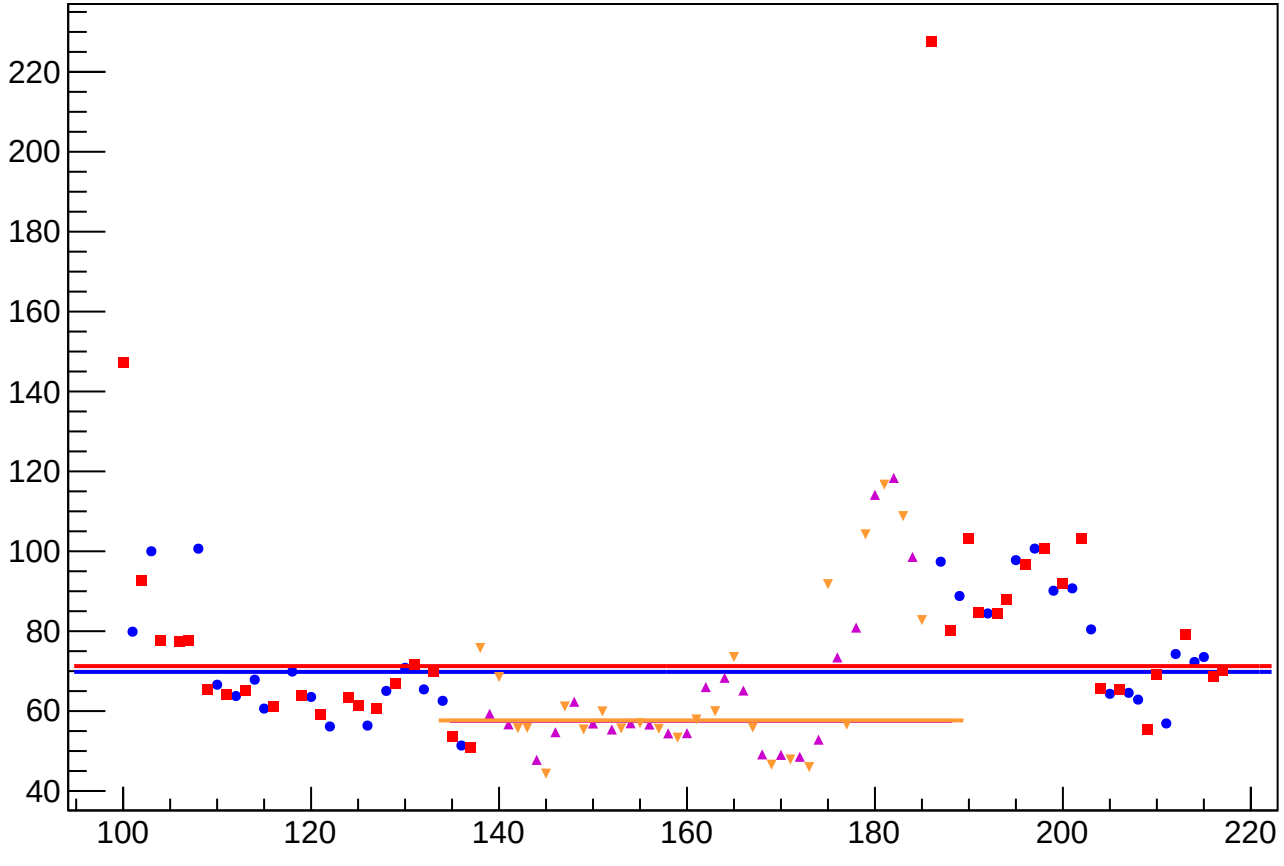
Right: 38.942+/-11.479 χ^2/NDF: 65.3/66

In: 2.807+/-10.617 χ^2/NDF:65.4/53

Out: 0.702+/-10.418 χ^2/NDF:76.0/60

All: 1.735+/-7.436 χ^2/NDF: 141.4/114

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: 71.259+/-0.011 χ^2/NDF: 1700534.6/35

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

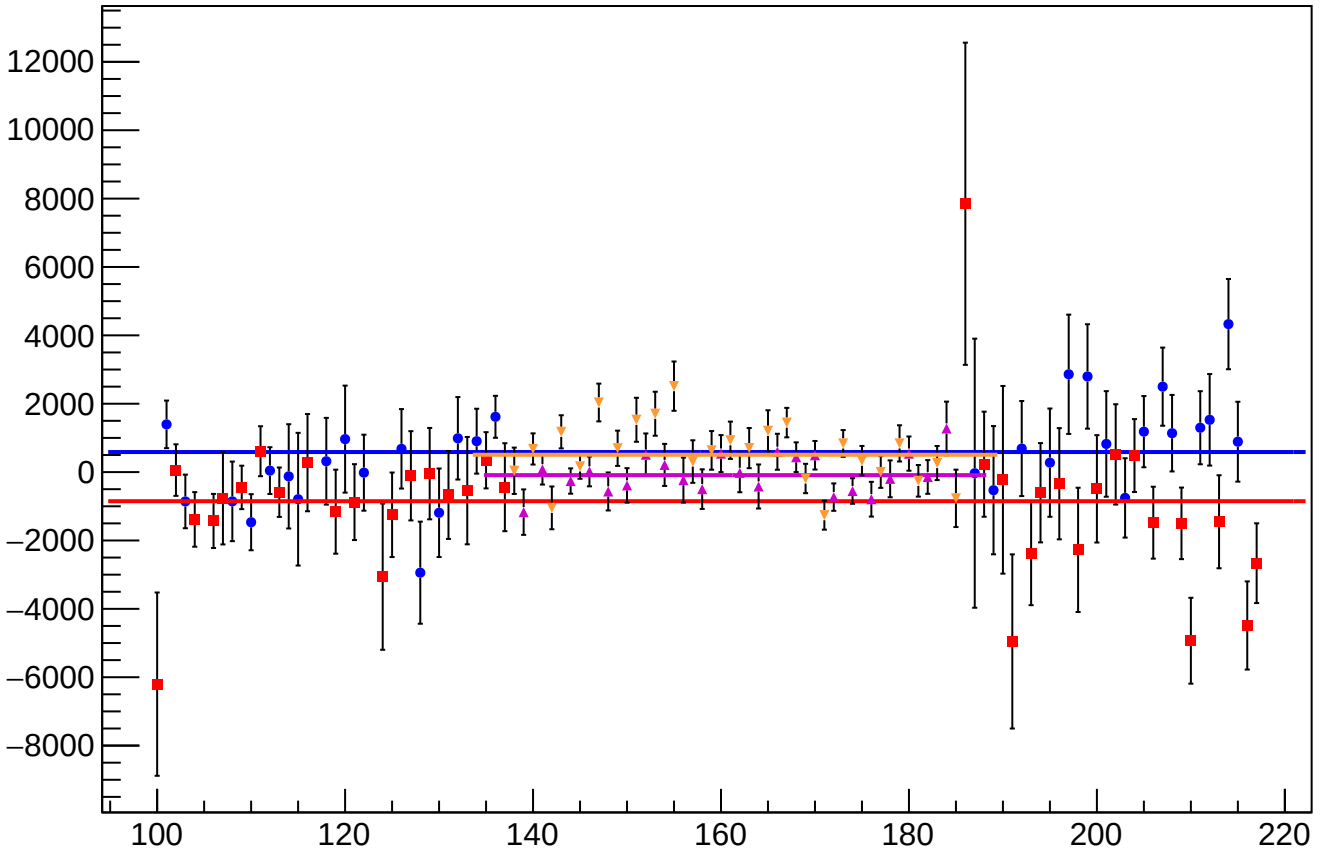
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 70.544+/-0.008 χ^2/NDF: 3044710.3/66

In: 62.732+/-0.008 χ^2/NDF:3431903.9/53

Out: 63.326+/-0.007 χ^2/NDF:4437319.2/60

All: 63.035+/-0.005 χ^2/NDF: 7872409.4/114



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: -851.395+/-191.117 χ^2/NDF: 48.4/35

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

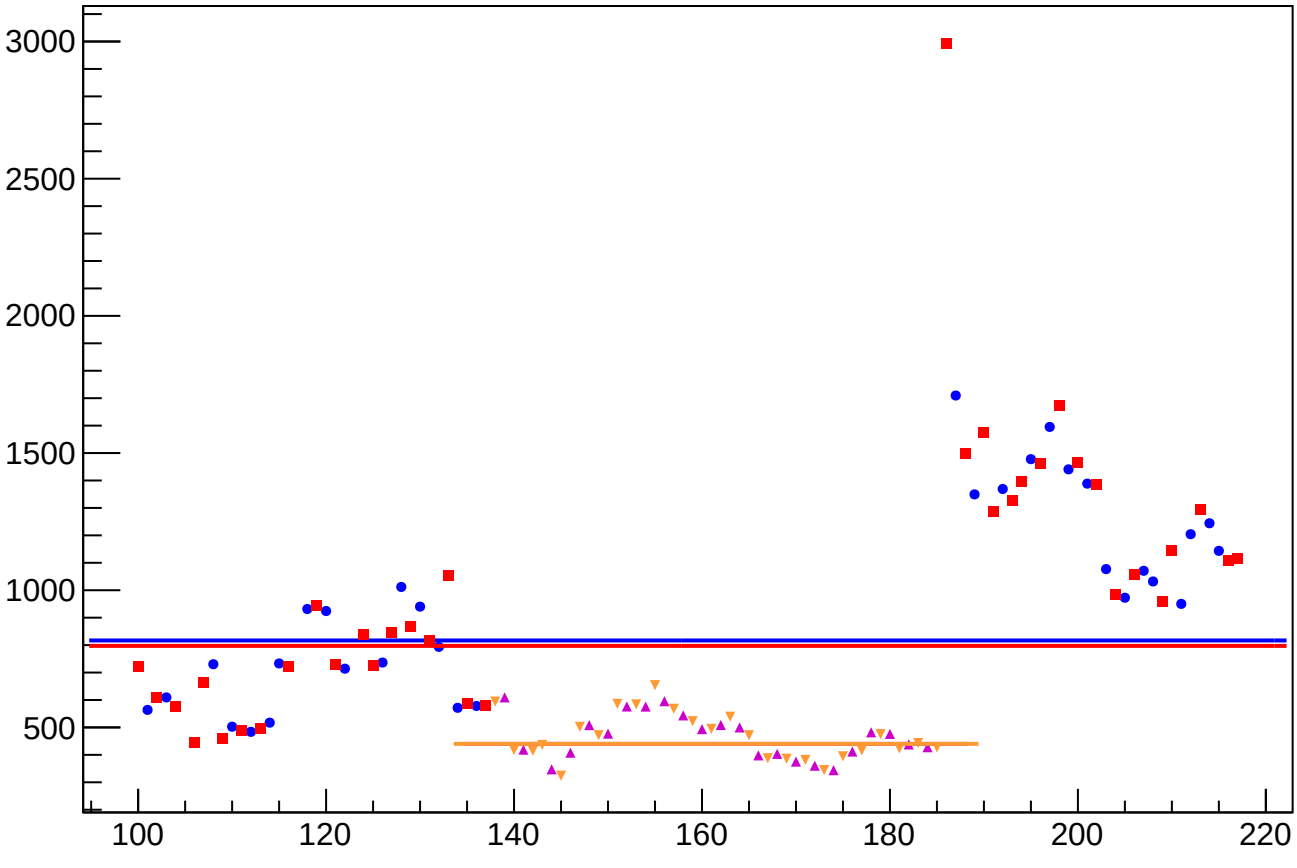
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -161.542+/-137.865 χ^2/NDF: 118.4/66

In: 57.524+/-92.555 χ^2/NDF:75.1/53

Out: 207.014+/-89.832 χ^2/NDF:153.6/60

All: 134.500+/-64.462 χ^2/NDF: 230.1/114



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: 797.163+/-0.135 χ^2/NDF: 6339325.1/35

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

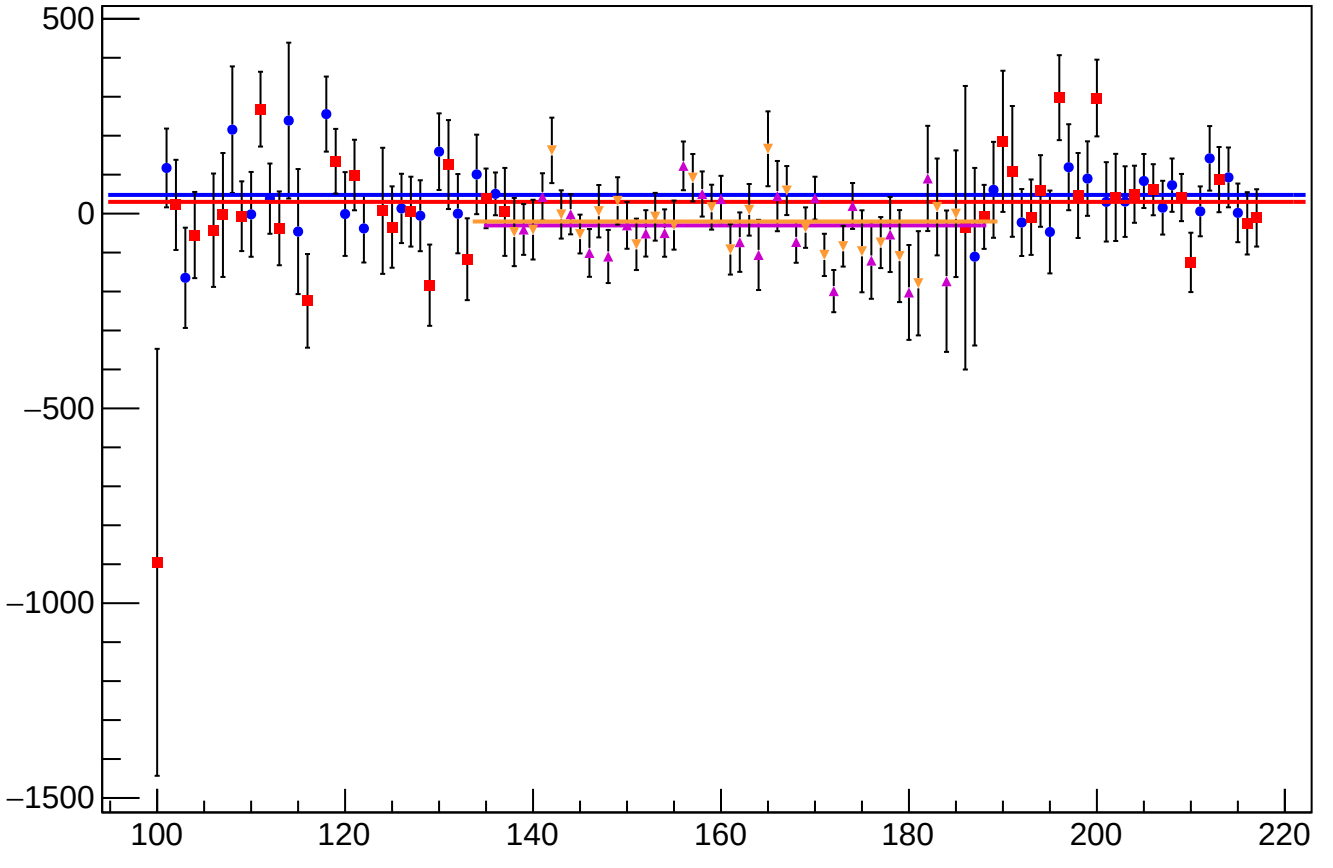
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 806.642+/-0.097 χ^2/NDF: 10970473.9/66

In: 521.385+/-0.065 χ^2/NDF:11306891.5/53

Out: 518.969+/-0.064 χ^2/NDF:12975729.8/60

All: 520.141+/-0.046 χ^2/NDF: 24283323.5/11



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: 30.105+/-16.146 χ^2/NDF: 45.2/35

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

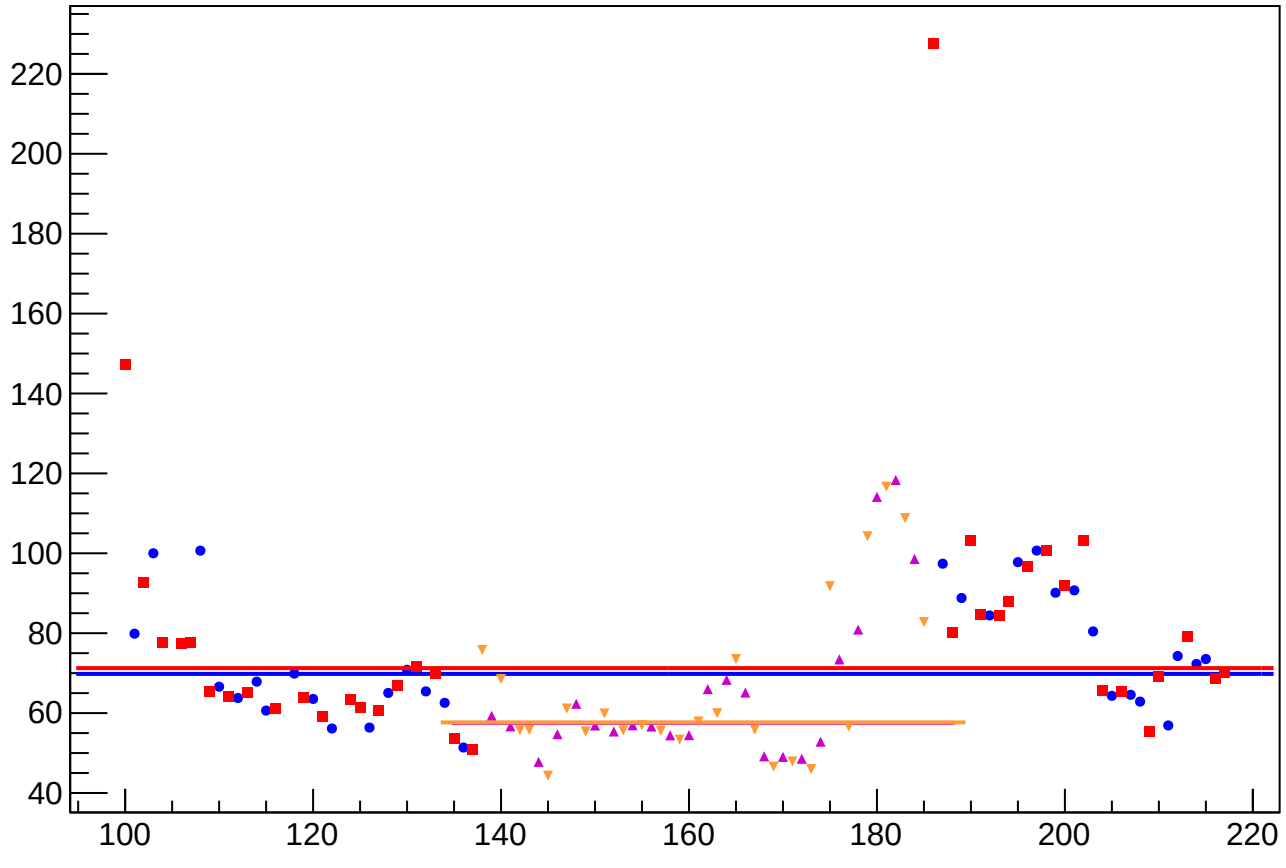
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 38.942+/-11.479 χ^2/NDF: 65.3/66

In: 2.807+/-10.617 χ^2/NDF:65.4/53

Out: 0.702+/-10.418 χ^2/NDF:76.0/60

All: 1.734+/-7.436 χ^2/NDF: 141.4/114



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: 71.259+/-0.011 χ^2/NDF: 1700538.7/35

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

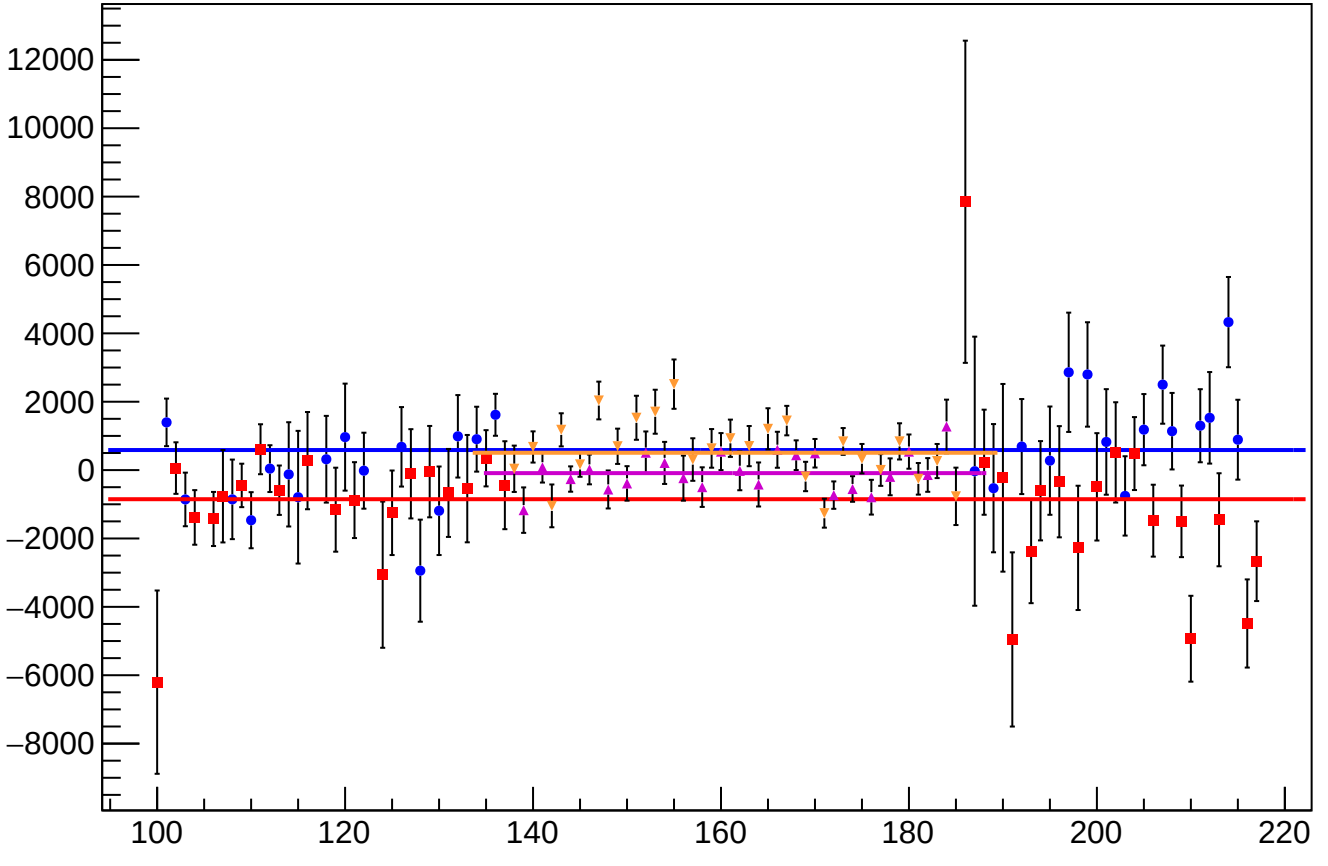
Right: 70.544+/-0.008 χ^2/NDF: 3044688.0/66

In: 62.732+/-0.008 χ^2/NDF:3431848.7/53

Out: 63.326+/-0.007 χ^2/NDF:4437301.8/60

All: 63.035+/-0.005 χ^2/NDF: 7872337.3/114

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: -851.393+/-191.117 χ^2/NDF: 48.4/35

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

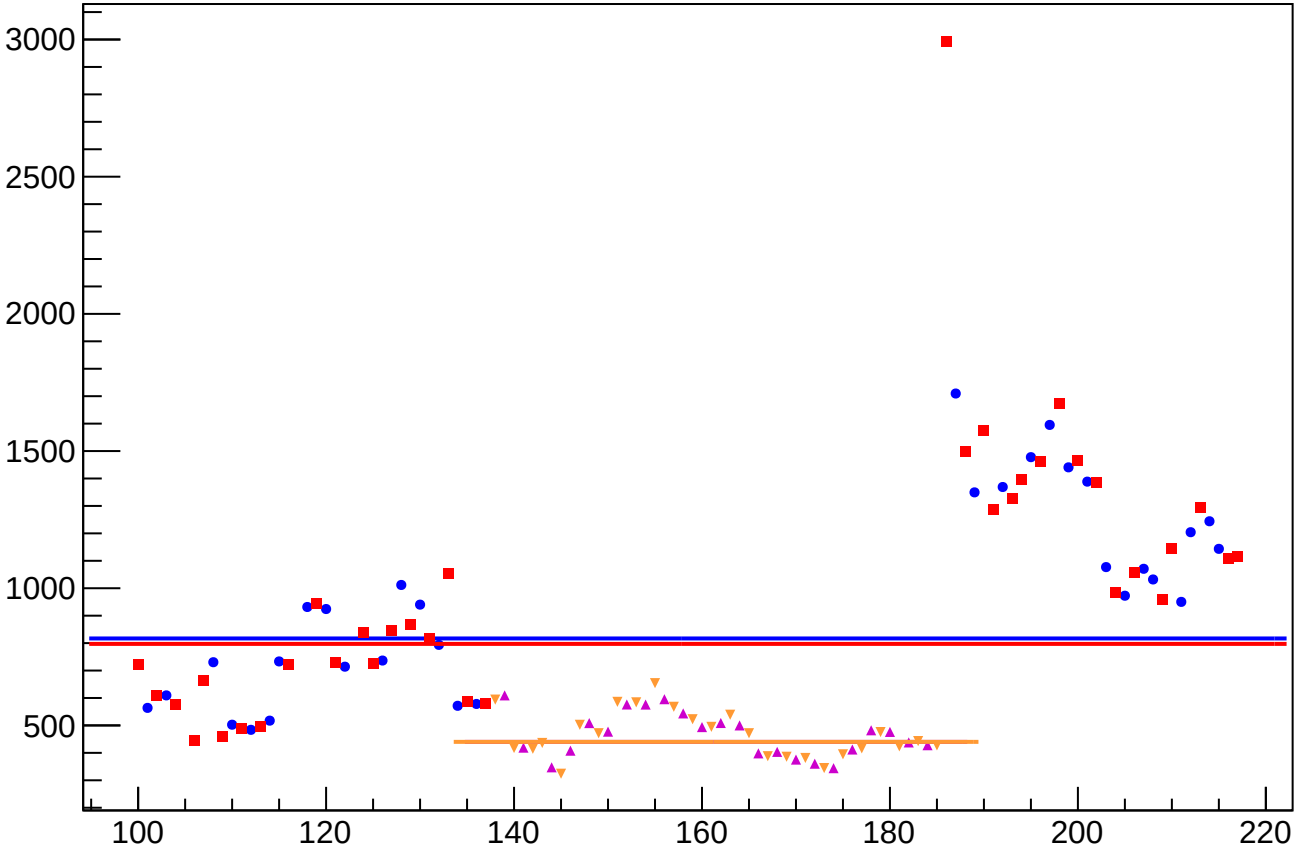
Right: -161.542+/-137.865 χ^2/NDF: 118.4/66

In: 57.523+/-92.555 χ^2/NDF:75.1/53

Out: 207.015+/-89.832 χ^2/NDF:153.6/60

All: 134.500+/-64.462 χ^2/NDF: 230.1/114

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: 797.162+/-0.135 χ^2/NDF: 6339332.7/35

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

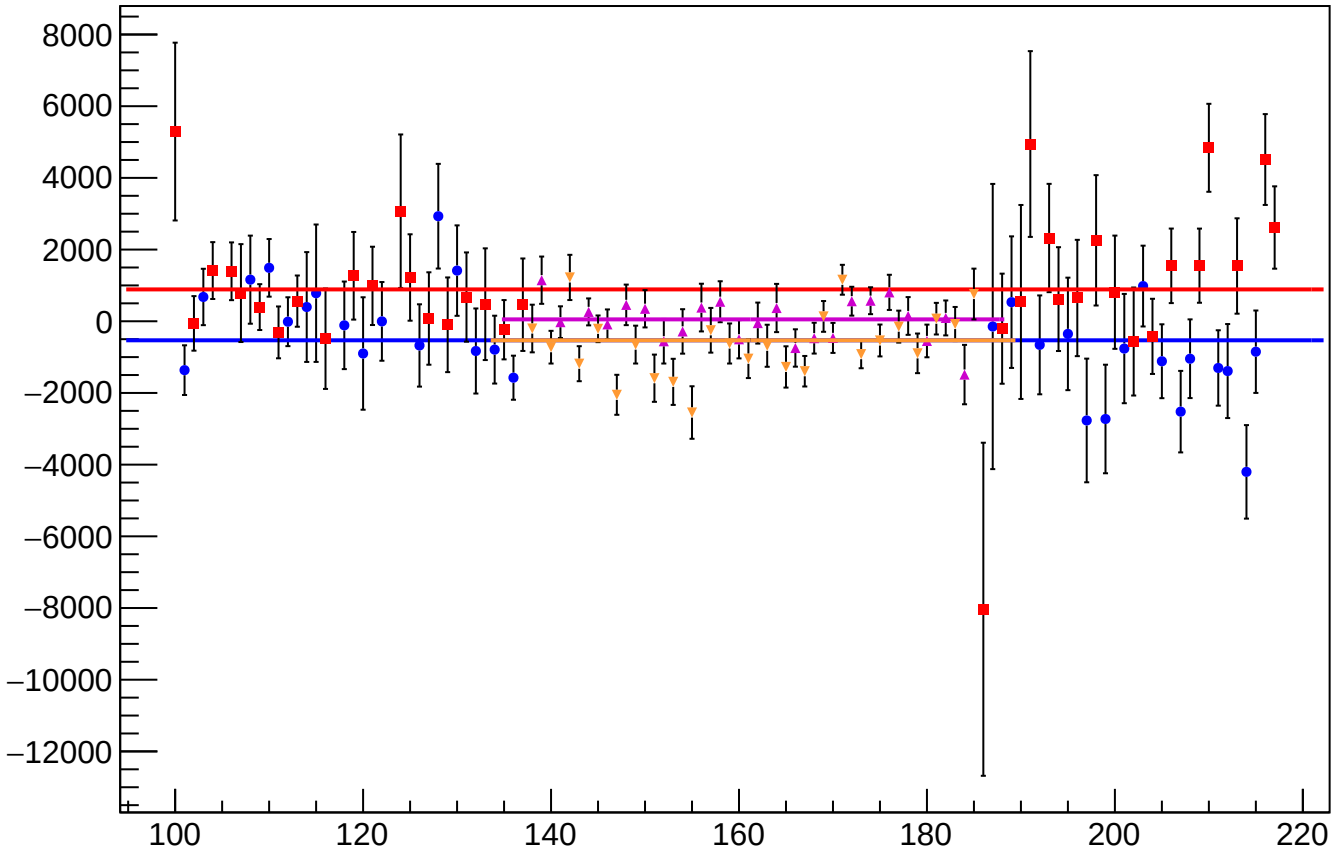
Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

Right: 806.641+/-0.097 χ^2/NDF: 10970486.3/66

In: 521.384+/-0.065 χ^2/NDF:11306927.8/53

Out: 518.968+/-0.064 χ^2/NDF:12975766.9/60

All: 520.140+/-0.046 χ^2/NDF: 24283396.7/11



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: 888.624+/-190.138 χ^2/NDF: 46.8/35

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

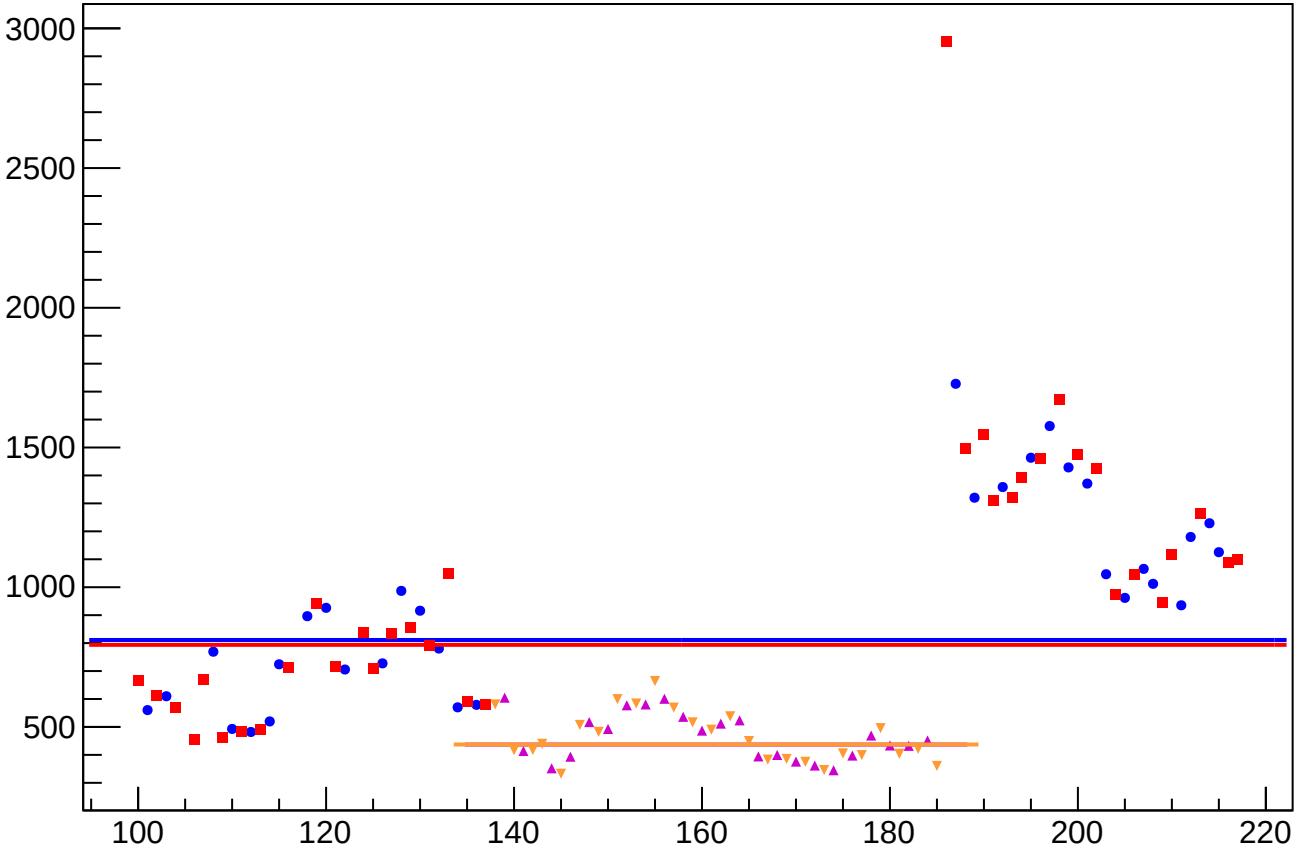
Right: 205.526+/-136.964 χ^2/NDF: 117.1/66

In: -73.966+/-91.927 χ^2/NDF:74.3/53

Out: -217.844+/-89.366 χ^2/NDF:155.9/60

All: -147.938+/-64.078 χ^2/NDF: 231.5/114

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: 793.831+/-0.134 χ^2/NDF: 6263078.3/35

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

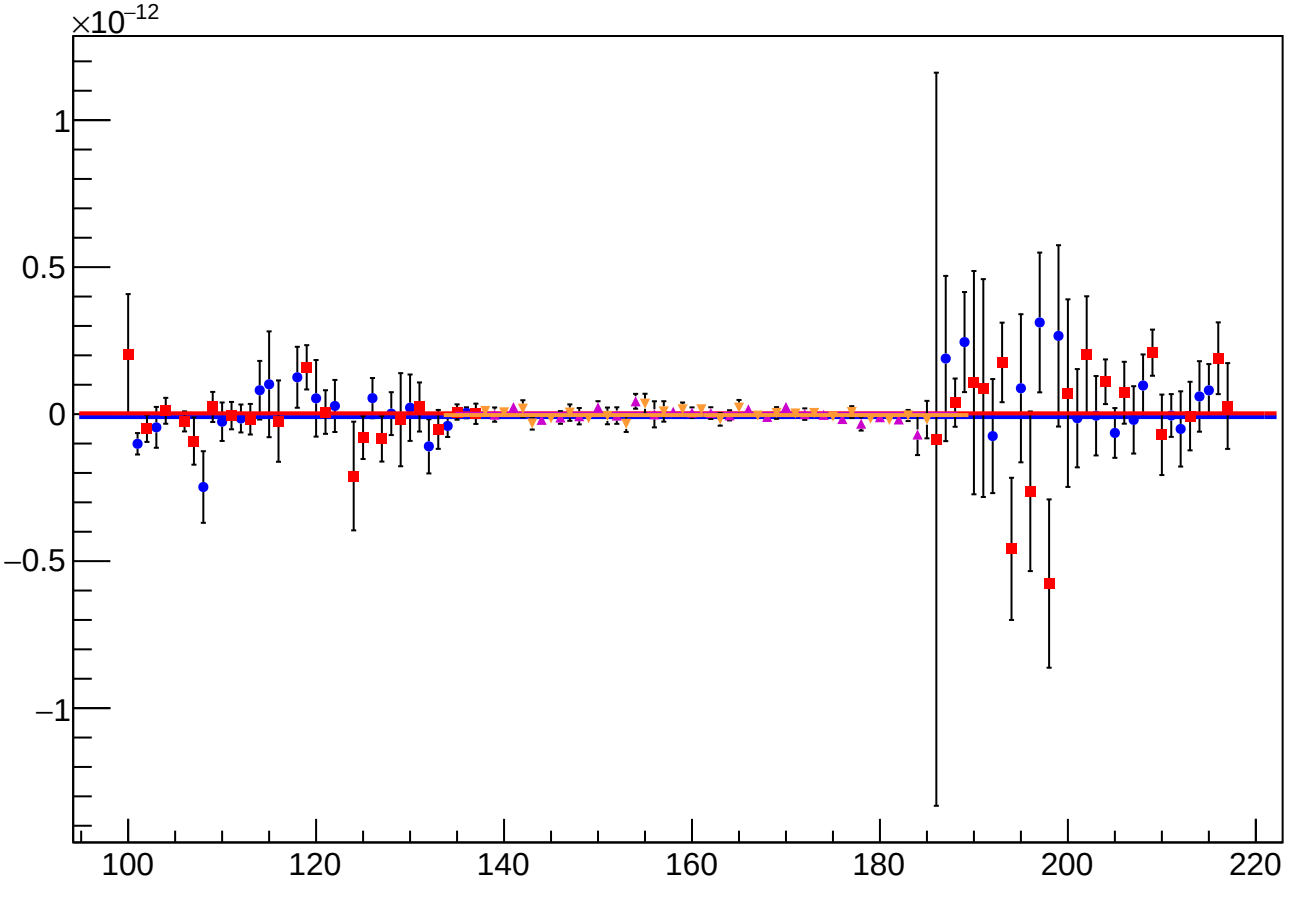
Right: 802.199+/-0.097 χ^2/NDF: 10785475.8/66

In: 518.058+/-0.065 χ^2/NDF:11222747.3/53

Out: 515.947+/-0.063 χ^2/NDF:12973642.4/60

All: 516.973+/-0.045 χ^2/NDF: 24196931.6/11

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 37.4/35

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

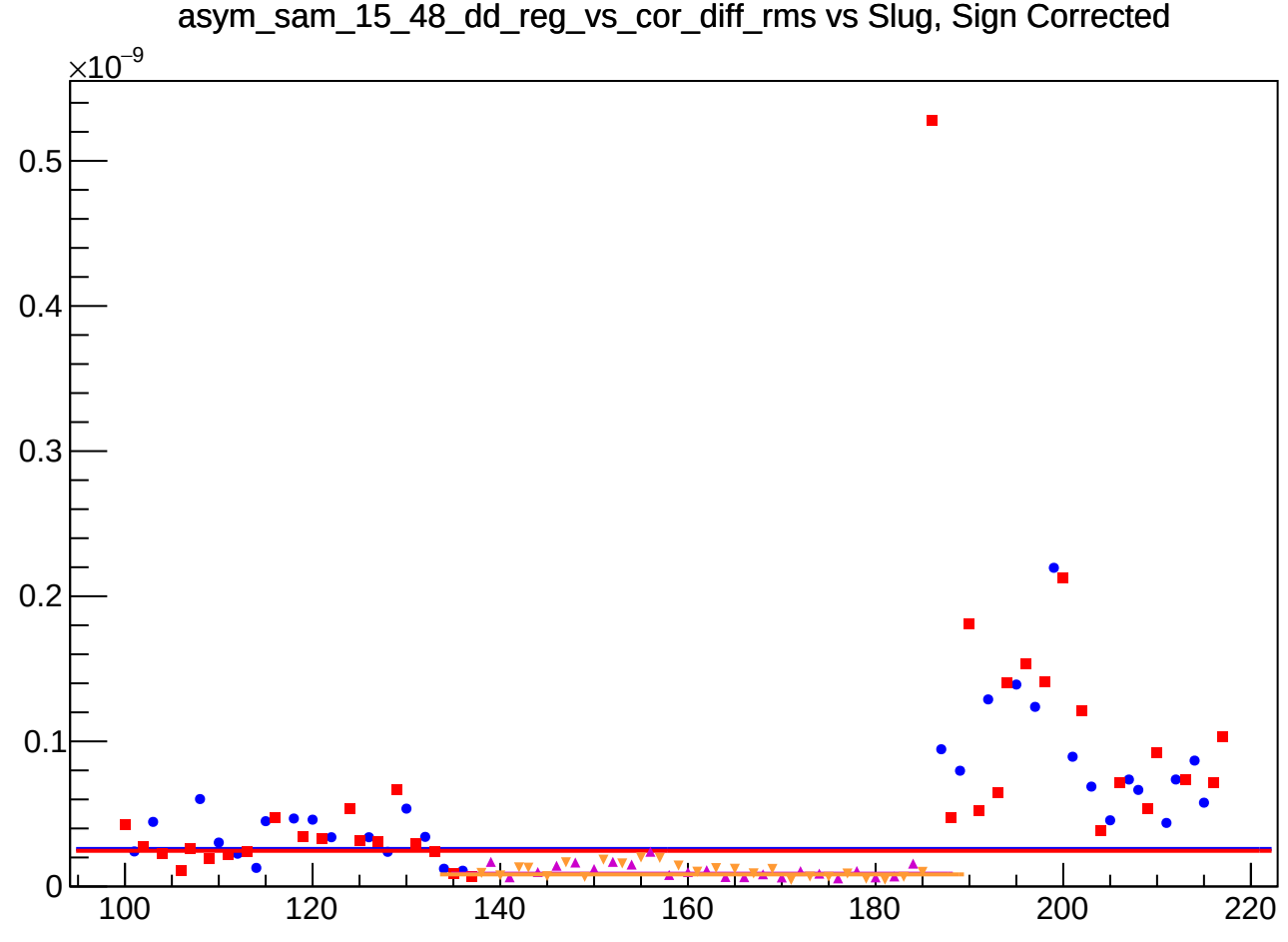
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

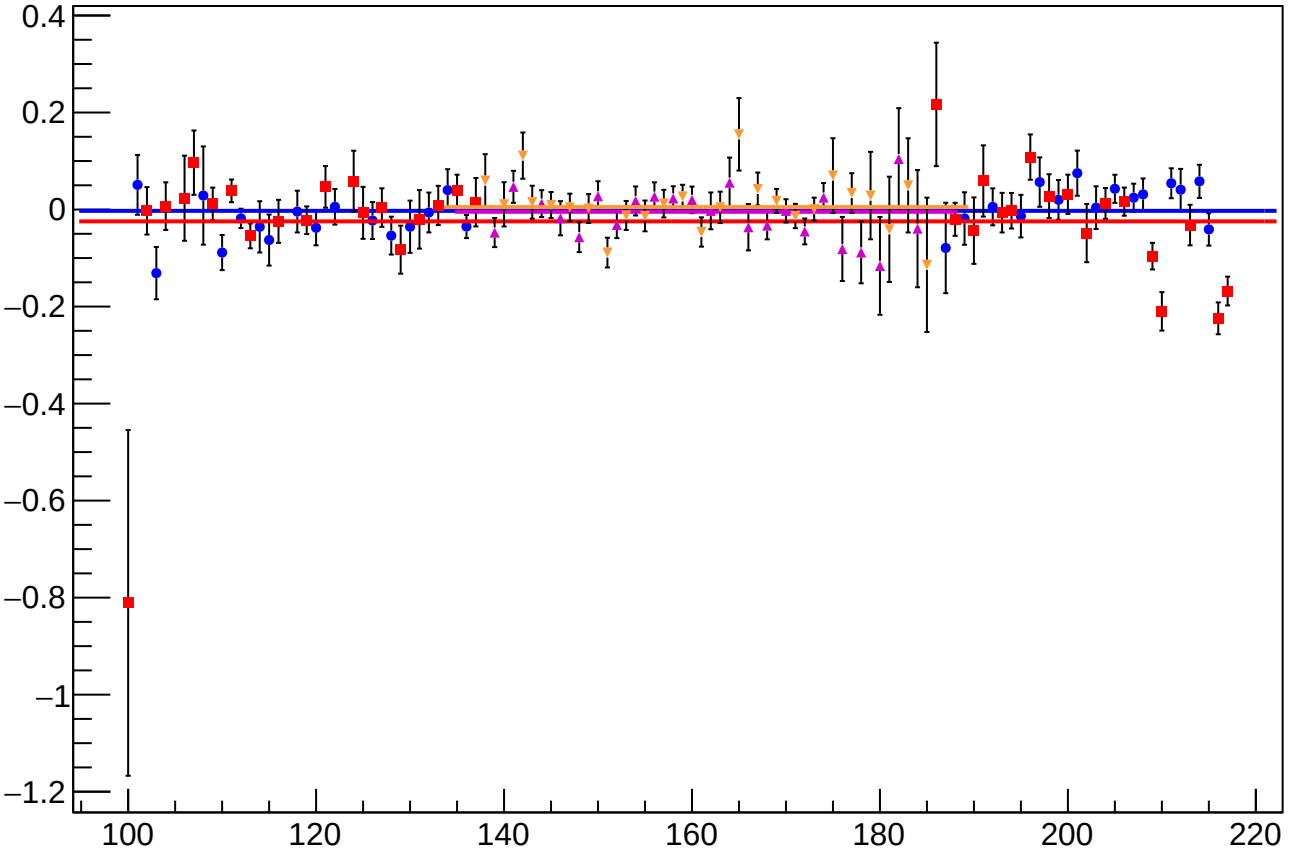
Right: -0.000+/-0.000 χ^2/NDF: 63.8/66

In: 0.000+/-0.000 χ^2/NDF:48.6/53

Out: -0.000+/-0.000 χ^2/NDF:52.0/60

All: -0.000+/-0.000 χ^2/NDF: 101.0/114


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7086513.9/30
Left Out: 0.000+/-0.000 χ²/NDF:2207304.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 7840193.4/35
Left In: 0.000+/-0.000 χ²/NDF:1644276.1/22
Left: 0.000+/-0.000 χ²/NDF: 3869791.0/47
Right: 0.000+/-0.000 χ²/NDF: 14938579.8/66
In: 0.000+/-0.000 χ²/NDF:12563807.4/53
Out: 0.000+/-0.000 χ²/NDF:13789505.7/60
All: 0.000+/-0.000 χ²/NDF: 26389075.0/114



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: -0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

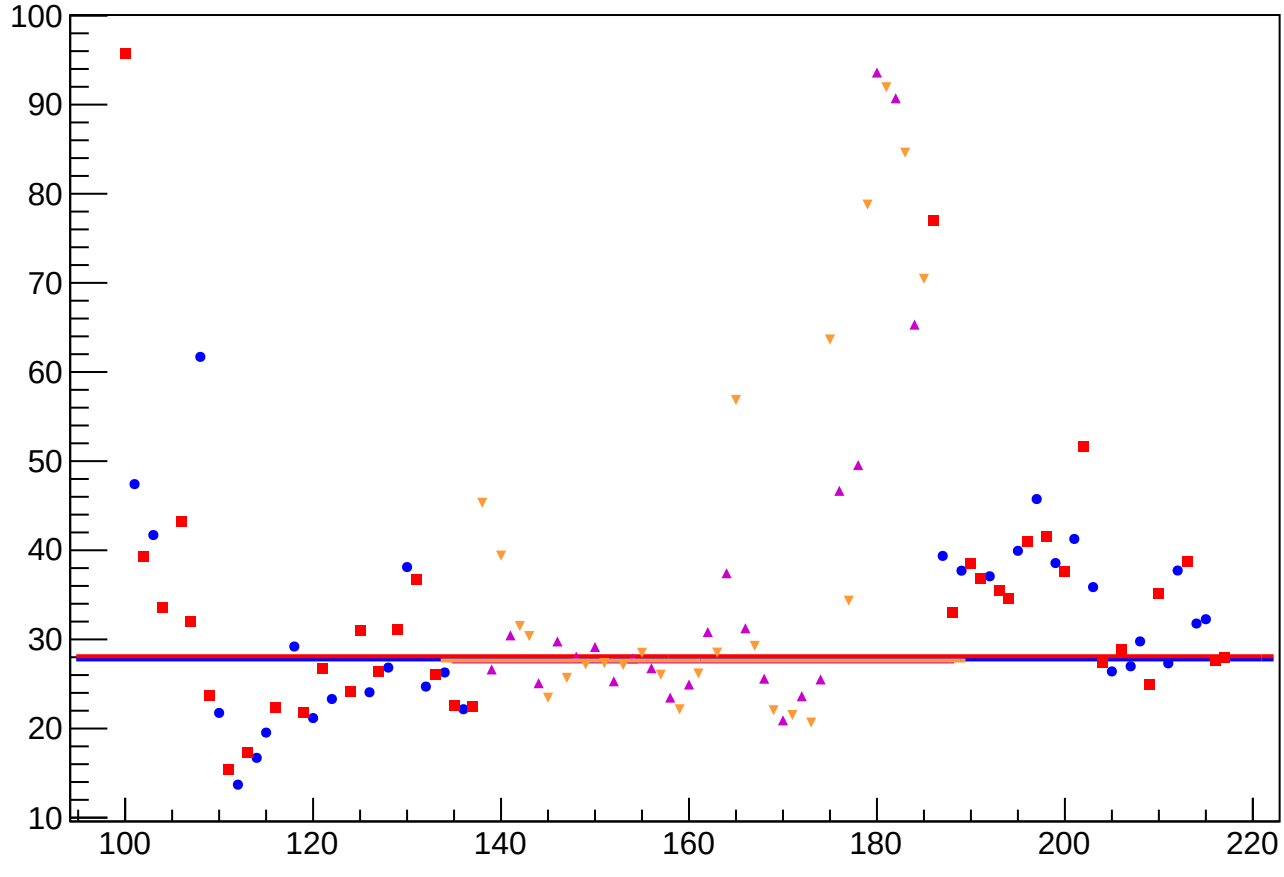
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.014+/-0.005 χ^2/NDF: 184.5/66

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.010+/-0.005 χ^2/NDF:178.0/60

All: -0.007+/-0.003 χ^2/NDF: 243.4/114



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: 28.112+/-0.005 χ^2/NDF: 3046266.3/35

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

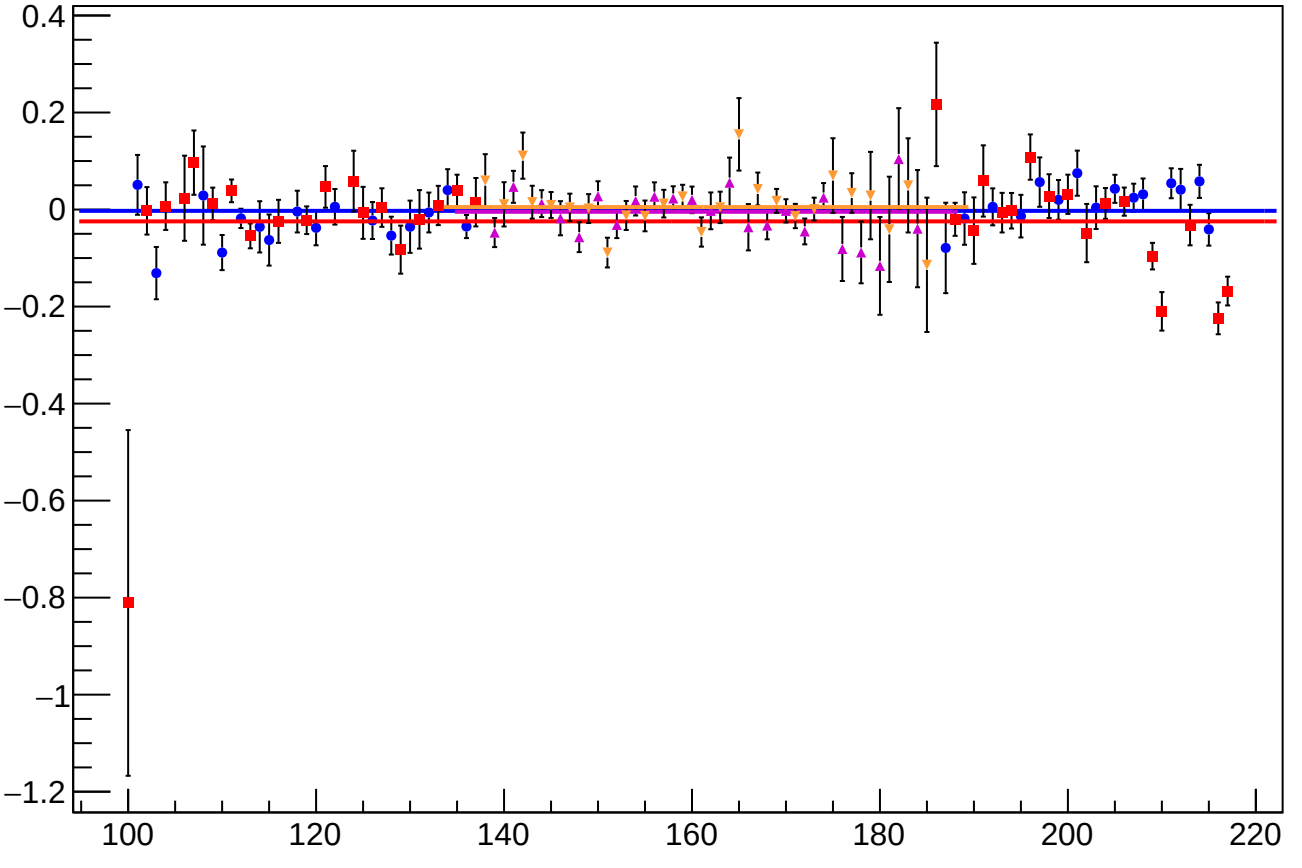
Right: 27.938+/-0.003 χ^2/NDF: 6296515.4/66

In: 27.642+/-0.003 χ^2/NDF:5883023.9/53

Out: 27.882+/-0.003 χ^2/NDF:7025377.5/60

All: 27.765+/-0.002 χ^2/NDF: 12910893.1/114

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: -0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

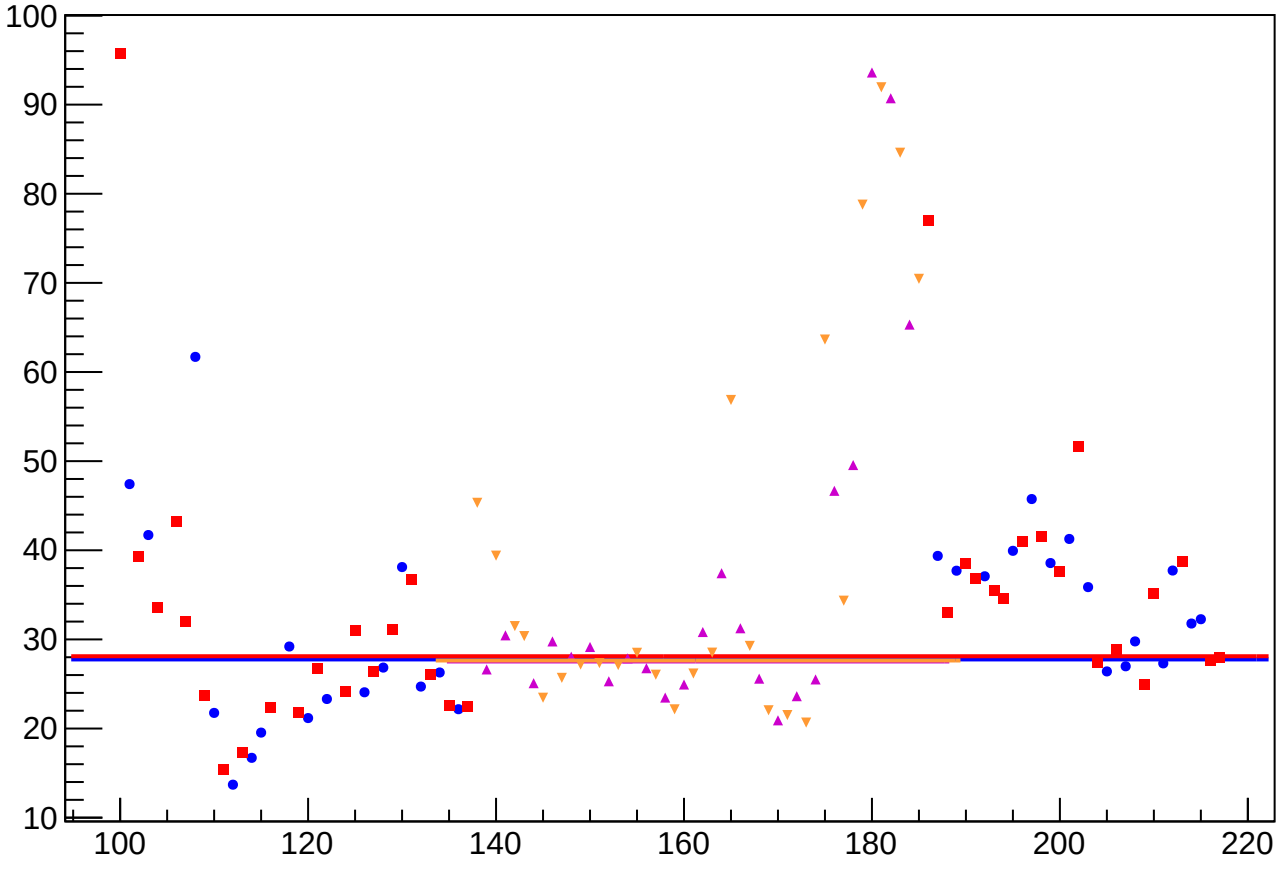
Right: -0.014+/-0.005 χ^2/NDF: 184.5/66

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.010+/-0.005 χ^2/NDF:178.0/60

All: -0.007+/-0.003 χ^2/NDF: 243.4/114

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: 28.112+/-0.005 χ^2/NDF: 3046266.3/35

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

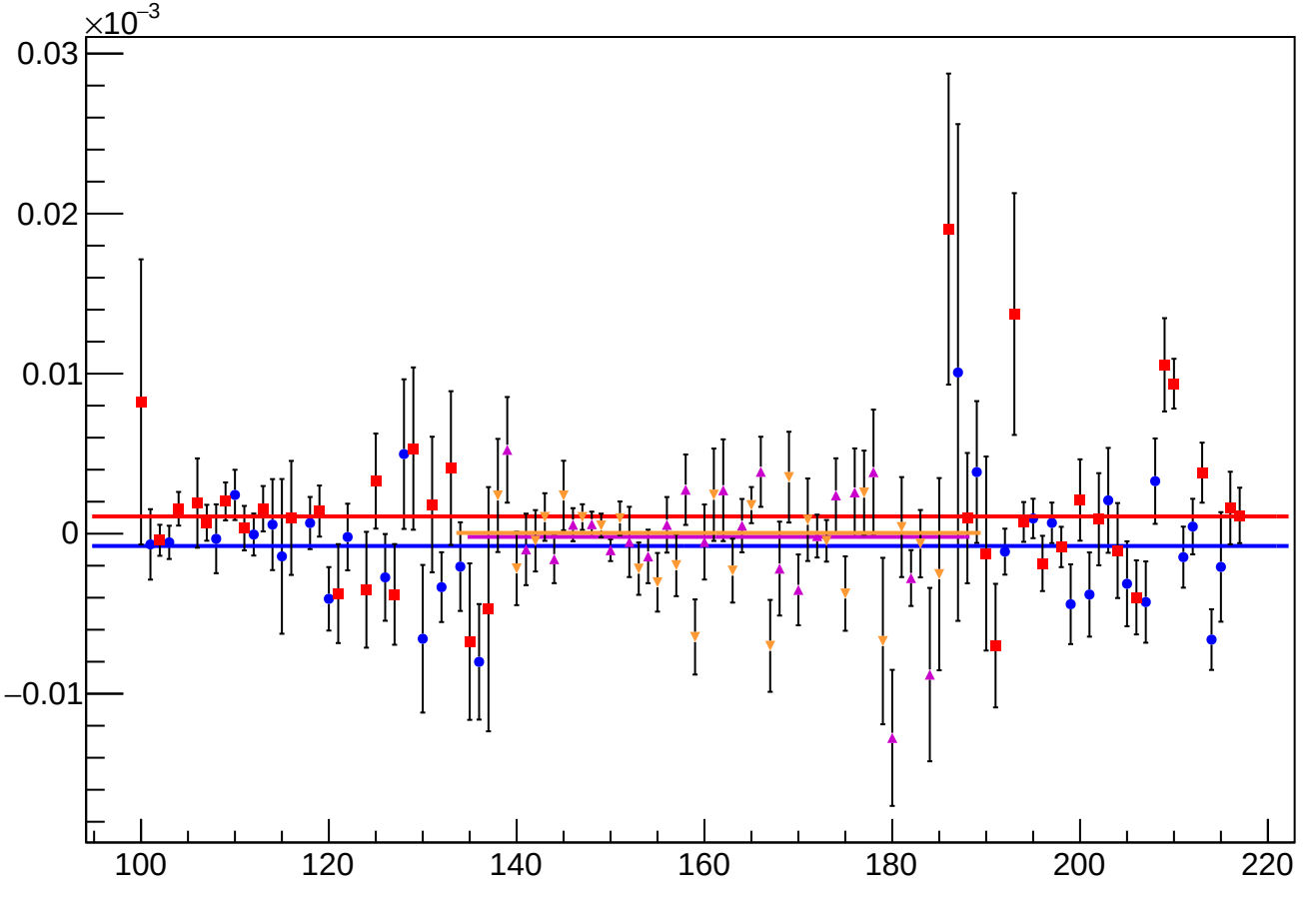
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.938+/-0.003 χ^2/NDF: 6296515.4/66

In: 27.642+/-0.003 χ^2/NDF:5883023.9/53

Out: 27.882+/-0.003 χ^2/NDF:7025377.5/60

All: 27.765+/-0.002 χ^2/NDF: 12910893.1/114



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: 78.5/35

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

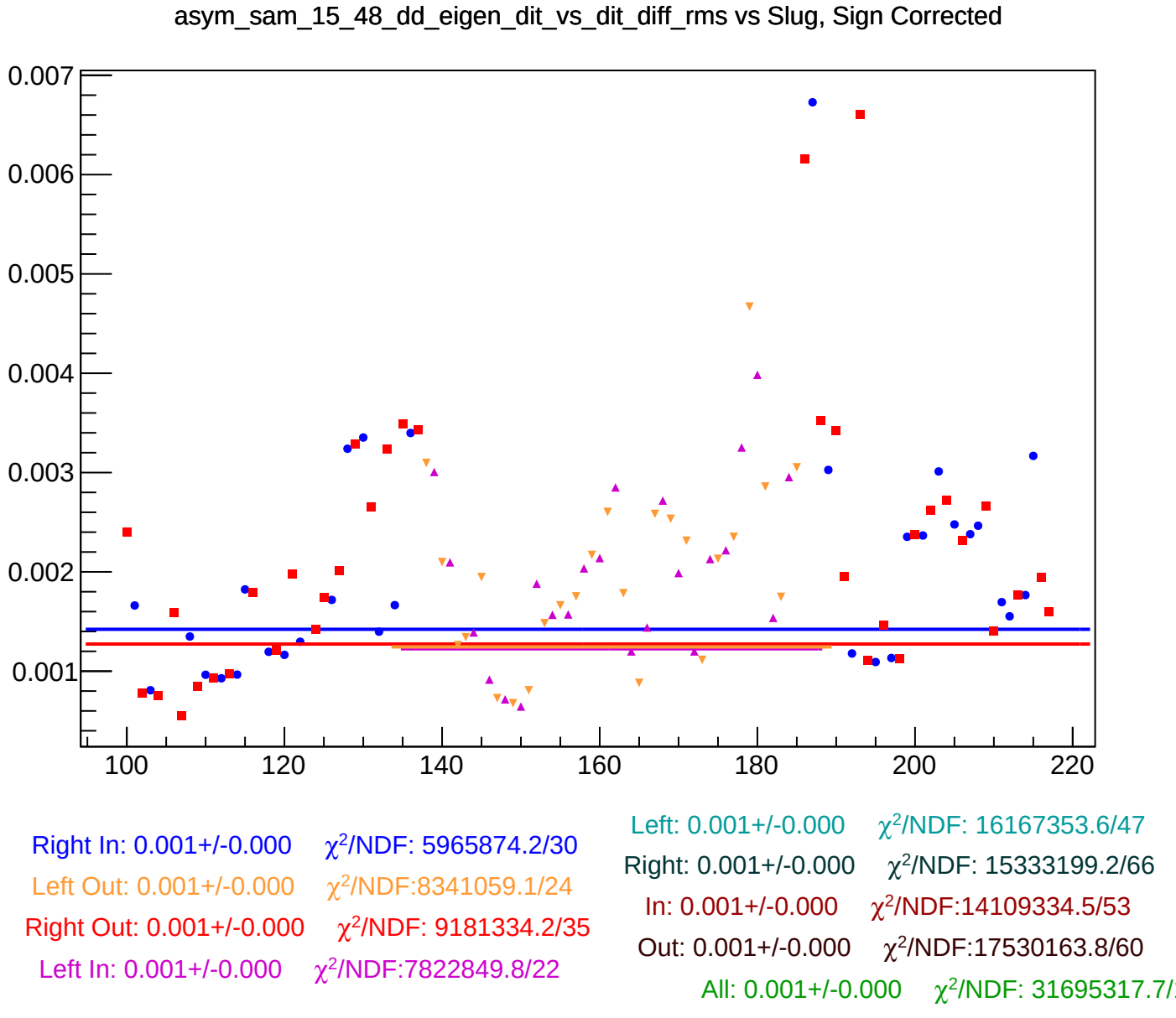
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 134.8/66

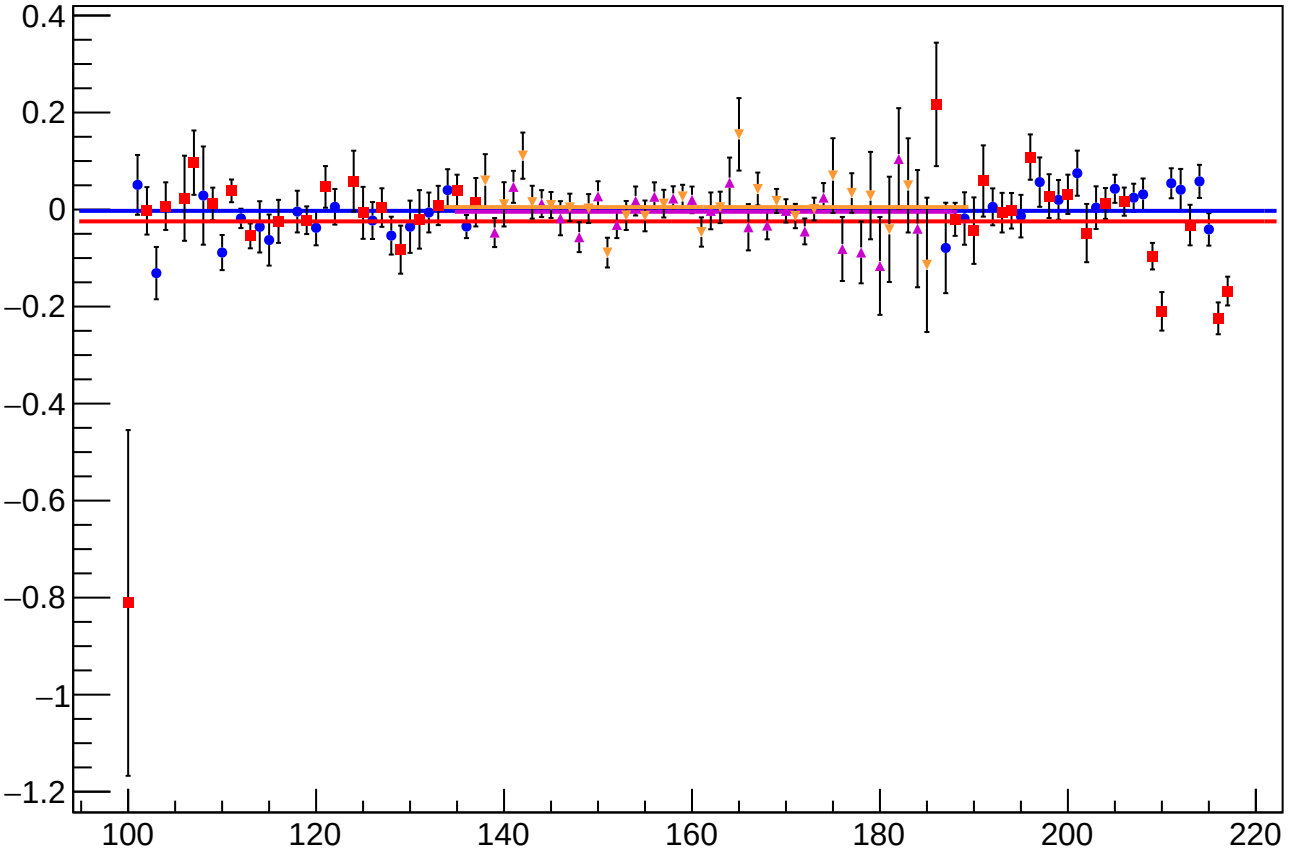
In: -0.000+/-0.000 χ^2/NDF:76.6/53

Out: 0.000+/-0.000 χ^2/NDF:120.4/60

All: 0.000+/-0.000 χ^2/NDF: 206.3/114


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 5965874.2/30
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 9181334.2/35
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
Left: 0.001+/-0.000 χ²/NDF: 16167353.6/47
Right: 0.001+/-0.000 χ²/NDF: 15333199.2/66
In: 0.001+/-0.000 χ²/NDF:14109334.5/53
Out: 0.001+/-0.000 χ²/NDF:17530163.8/60
All: 0.001+/-0.000 χ²/NDF: 31695317.7/114

asym_sam_15_48_dd_eigen_dit_vs_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: -0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

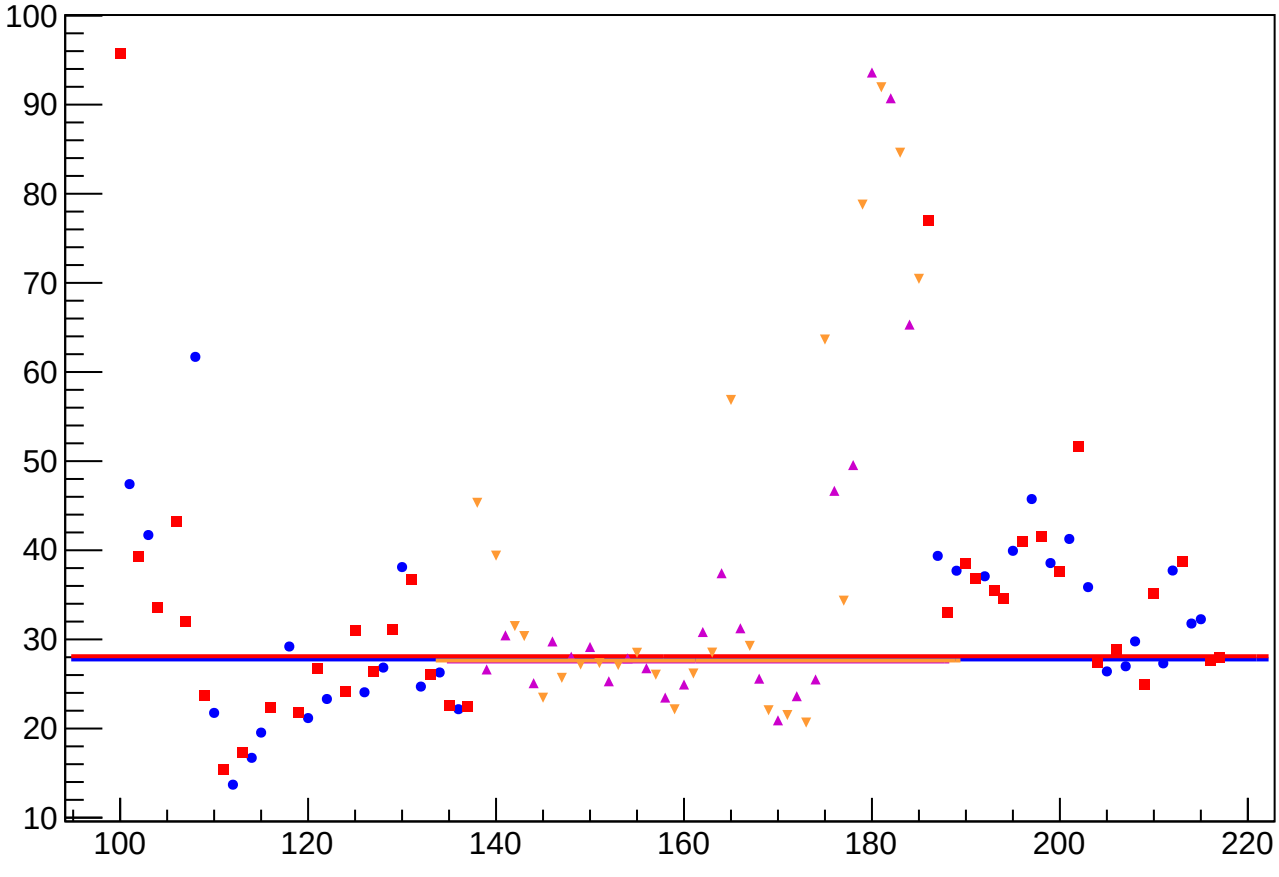
Right: -0.014+/-0.005 χ^2/NDF: 184.5/66

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.010+/-0.005 χ^2/NDF:178.0/60

All: -0.007+/-0.003 χ^2/NDF: 243.3/114

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.753+/-0.005 χ^2/NDF: 3247358.5/30

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 28.112+/-0.005 χ^2/NDF: 3046360.7/35

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

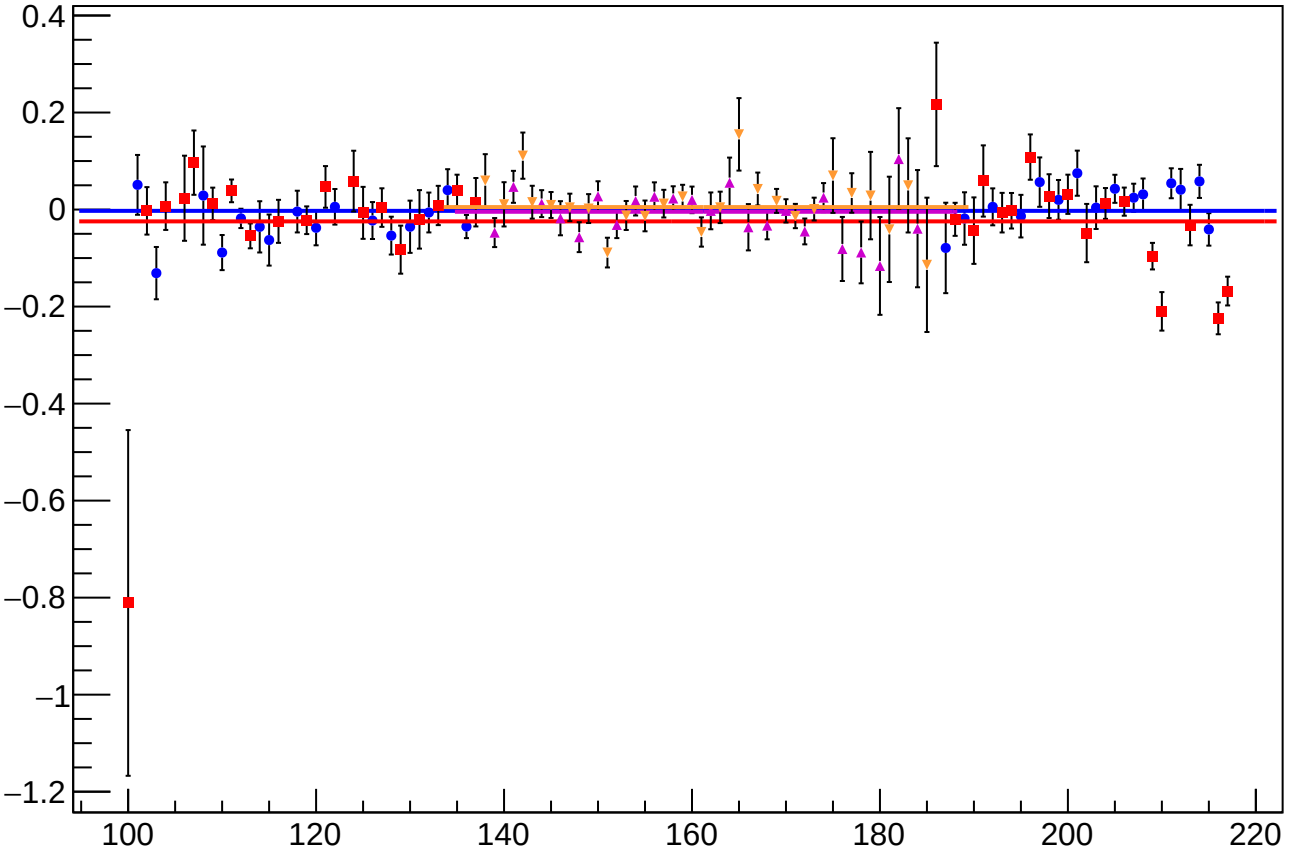
Right: 27.937+/-0.003 χ^2/NDF: 6296588.1/66

In: 27.642+/-0.003 χ^2/NDF:5882966.2/53

Out: 27.882+/-0.003 χ^2/NDF:7025404.7/60

All: 27.765+/-0.002 χ^2/NDF: 12910864.7/114

asym_sam_15_48_dd_eigen_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: -0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

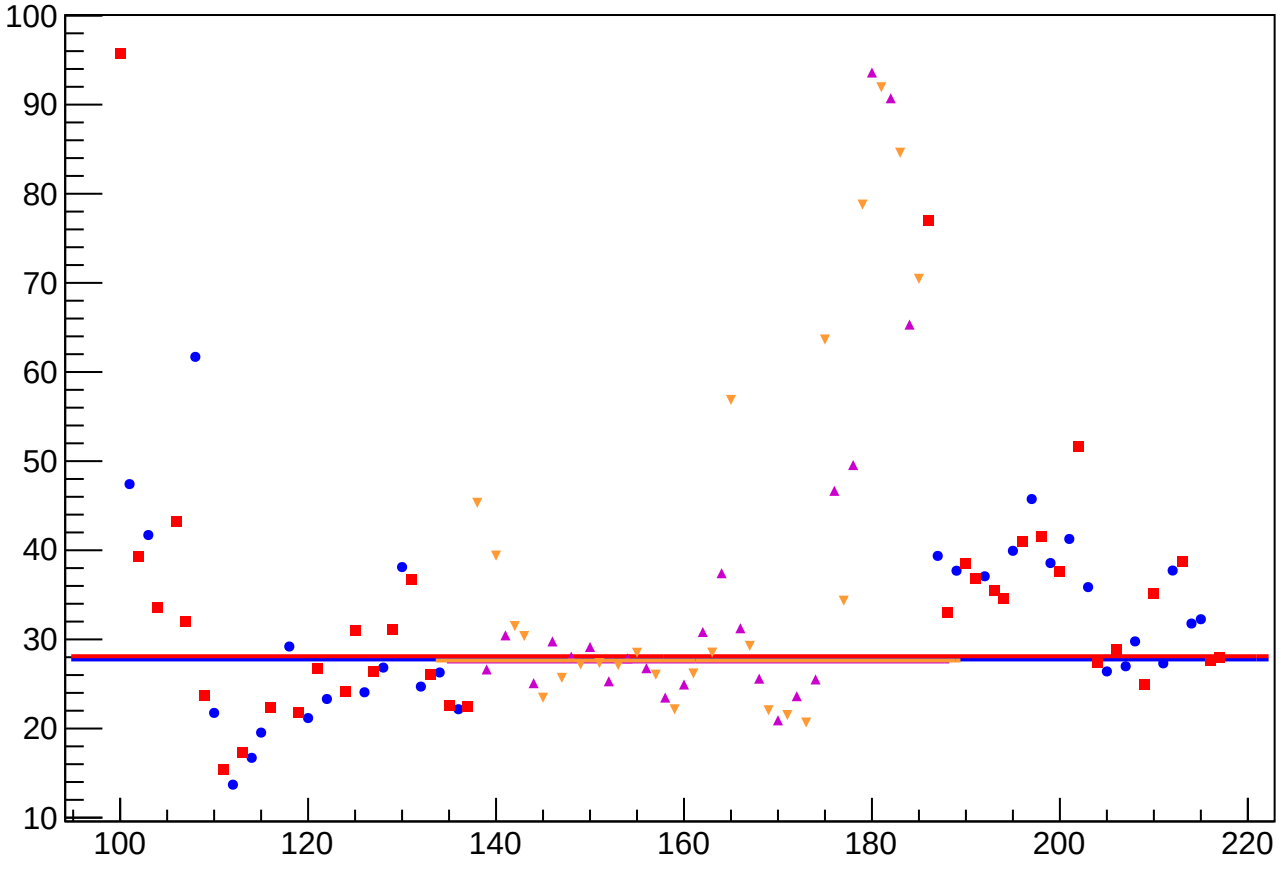
Right: -0.014+/-0.005 χ^2/NDF: 184.5/66

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.010+/-0.005 χ^2/NDF:178.0/60

All: -0.007+/-0.003 χ^2/NDF: 243.3/114

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: 28.112+/-0.005 χ^2/NDF: 3046360.7/35

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

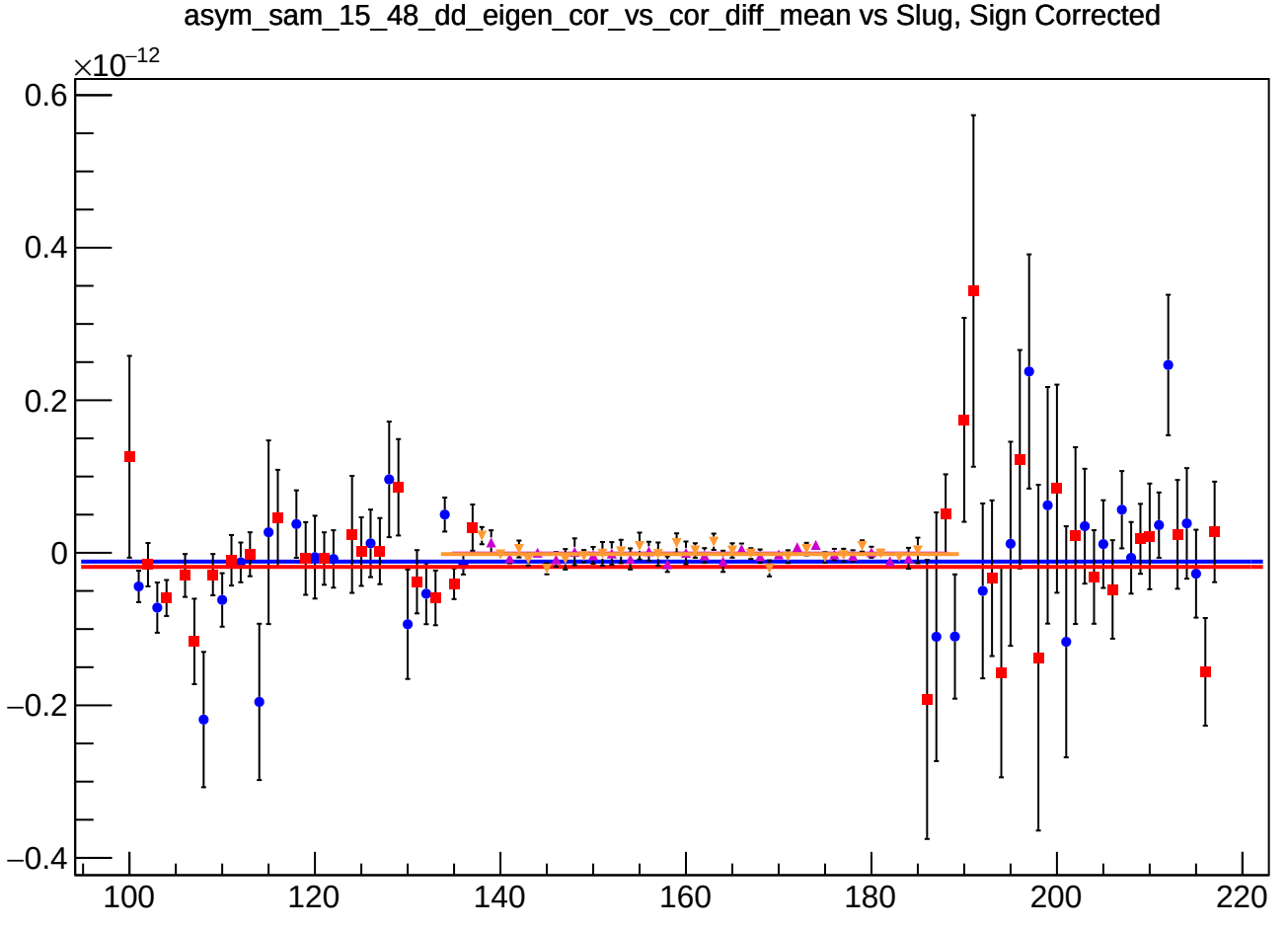
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.937+/-0.003 χ^2/NDF: 6296588.1/66

In: 27.642+/-0.003 χ^2/NDF:5882966.2/53

Out: 27.882+/-0.003 χ^2/NDF:7025404.7/60

All: 27.765+/-0.002 χ^2/NDF: 12910864.7/114



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: 34.3/35

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

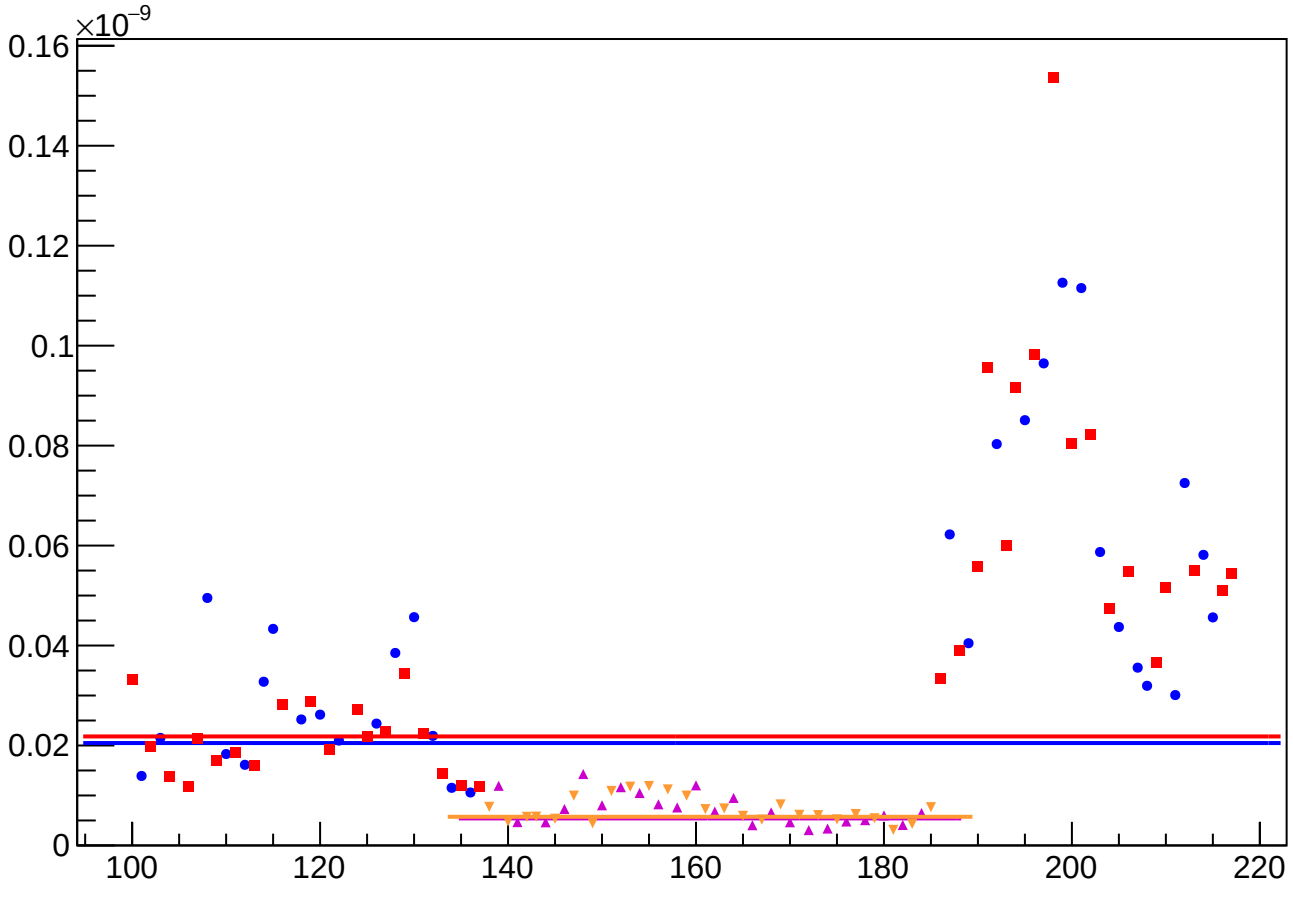
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 82.4/66

In: -0.000+/-0.000 χ^2/NDF:66.3/53

Out: -0.000+/-0.000 χ^2/NDF:63.7/60

All: -0.000+/-0.000 χ^2/NDF: 130.2/114



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: 7848386.5/35

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

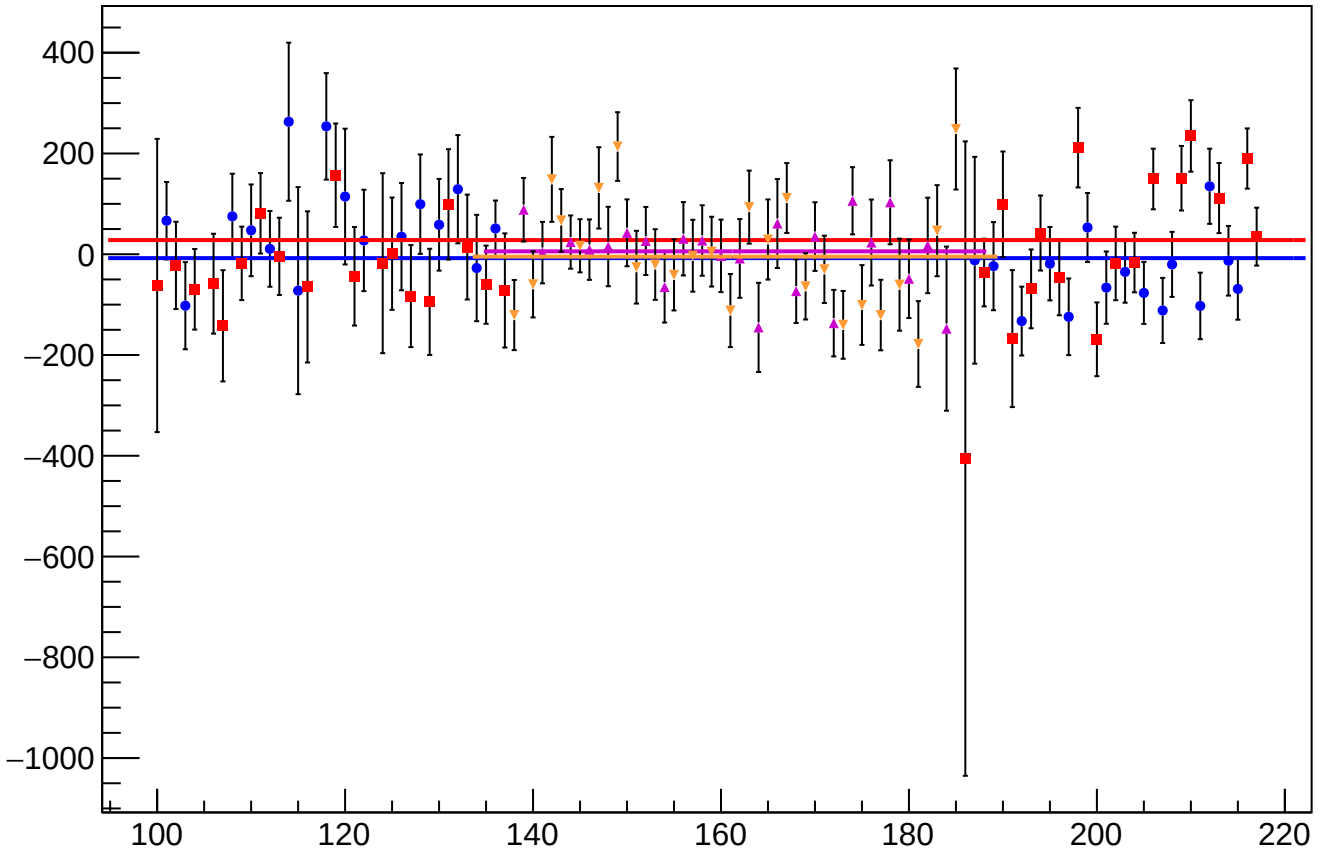
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16295111.7/66

In: 0.000+/-0.000 χ^2/NDF:20285946.0/53

Out: 0.000+/-0.000 χ^2/NDF:19645180.3/60

All: 0.000+/-0.000 χ^2/NDF: 39976063.5/114



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: 28.077+/-13.891 χ^2/NDF: 58.9/35

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

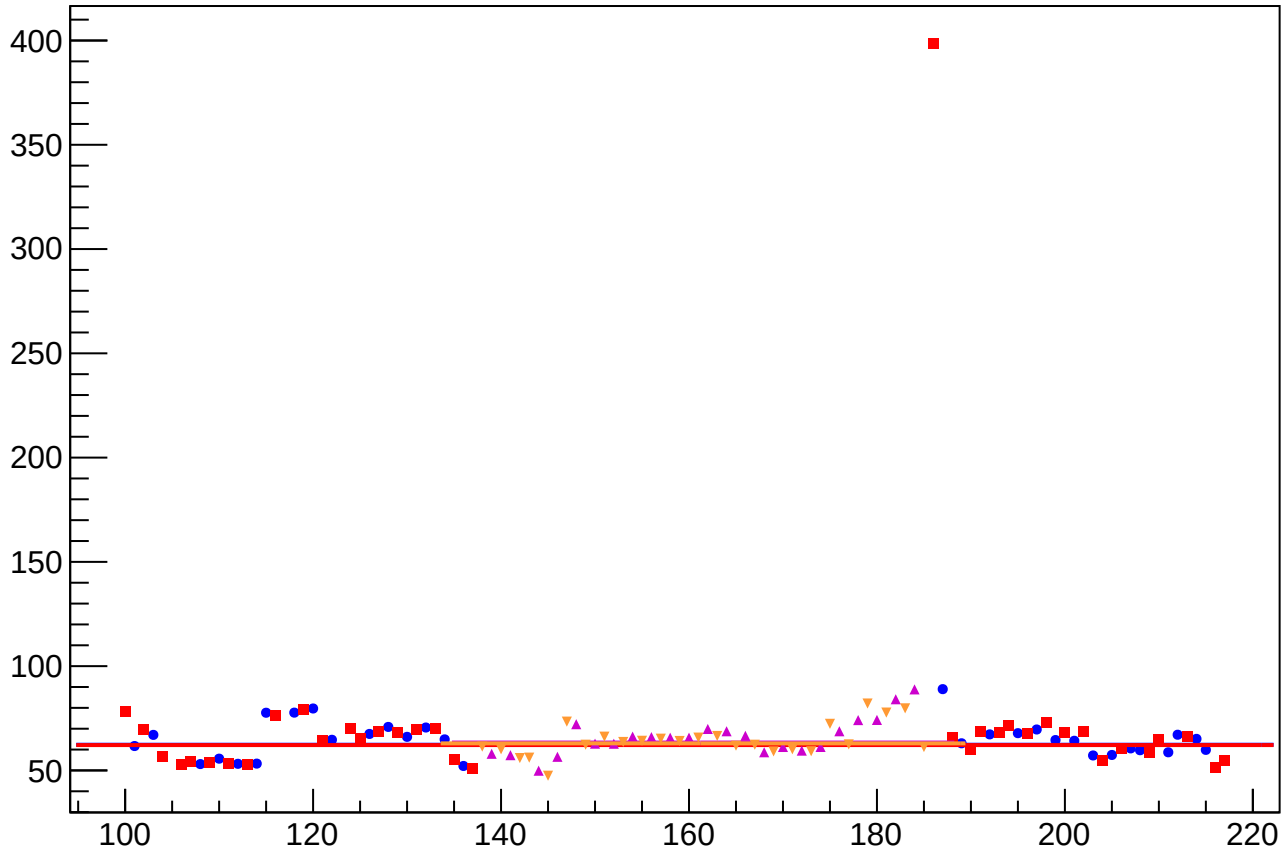
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 10.682+/-9.960 χ^2/NDF: 98.4/66

In: -1.272+/-10.324 χ^2/NDF:55.0/53

Out: 12.294+/-10.008 χ^2/NDF:108.9/60

All: 5.722+/-7.186 χ^2/NDF: 164.8/114



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: 62.156+/-0.010 χ^2/NDF: 1138684.1/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

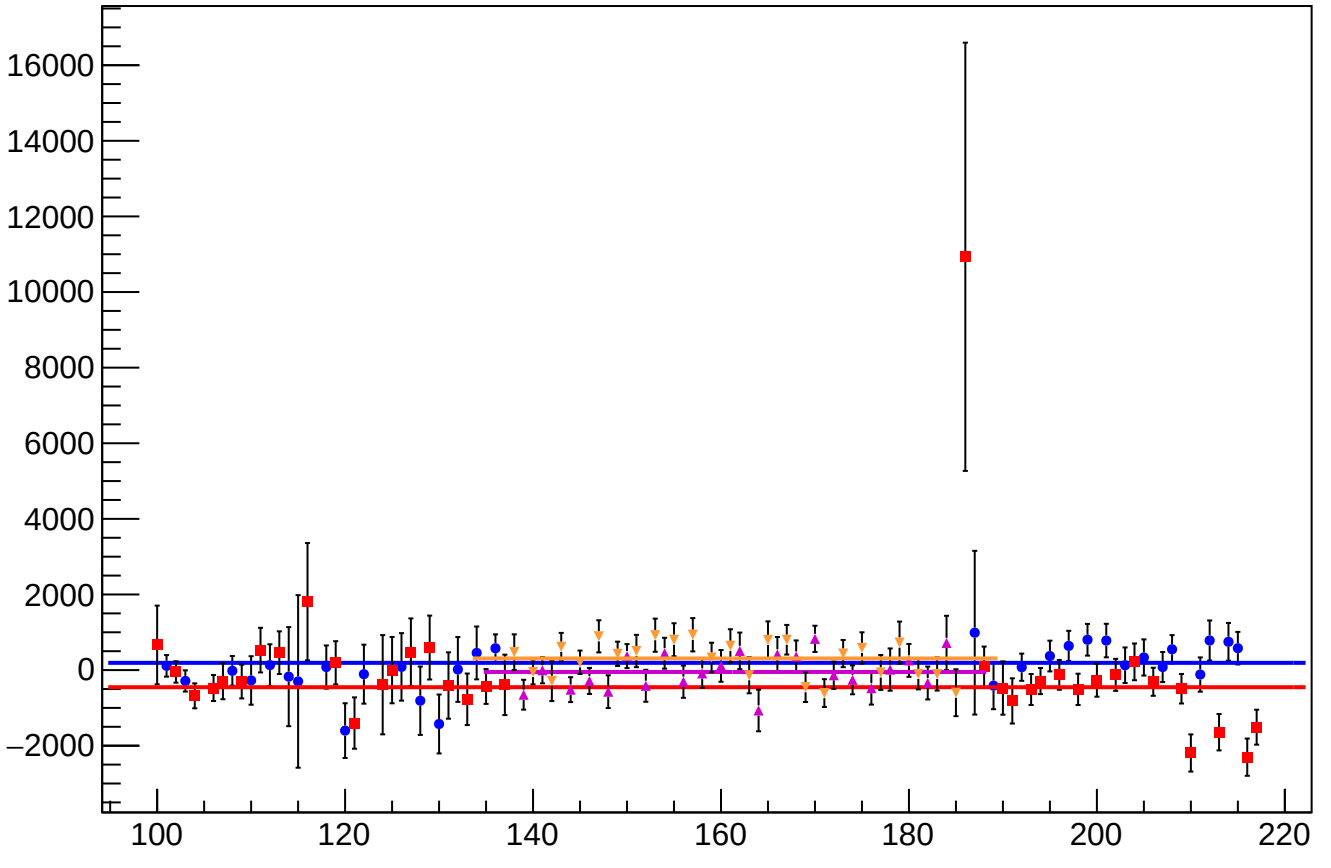
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.233+/-0.007 χ^2/NDF: 1538049.6/66

In: 62.817+/-0.007 χ^2/NDF:901332.8/53

Out: 62.550+/-0.007 χ^2/NDF:1668895.9/60

All: 62.680+/-0.005 χ^2/NDF: 2570916.2/114



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: -452.642+/-82.368 χ^2/NDF: 65.0/35

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

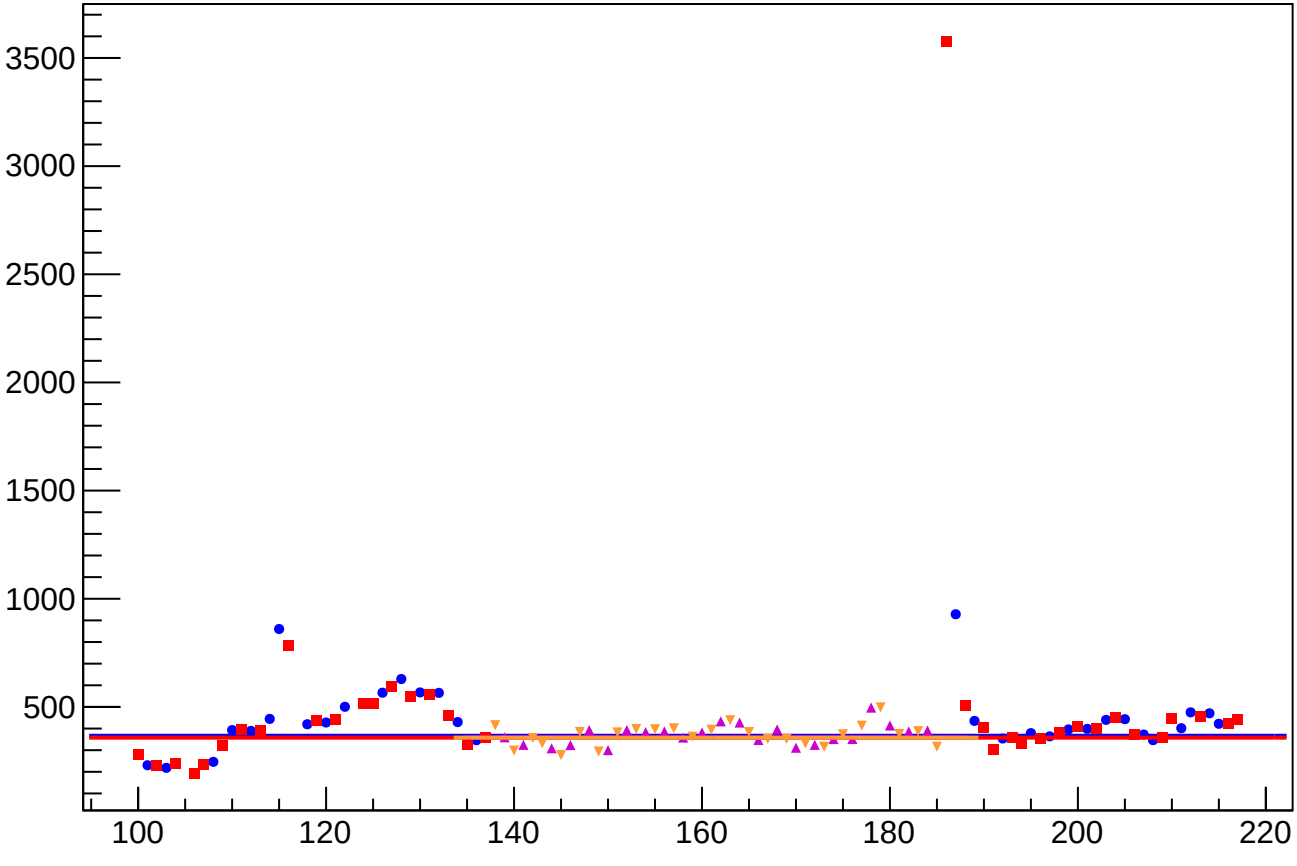
Right: -146.607+/-59.689 χ^2/NDF: 122.5/66

In: 68.383+/-60.609 χ^2/NDF:59.7/53

Out: -72.697+/-58.241 χ^2/NDF:138.2/60

All: -4.967+/-41.995 χ^2/NDF: 200.7/114

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 366.693+/-0.061 χ^2/NDF: 2434222.1/30

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 357.898+/-0.058 χ^2/NDF: 3272159.6/35

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

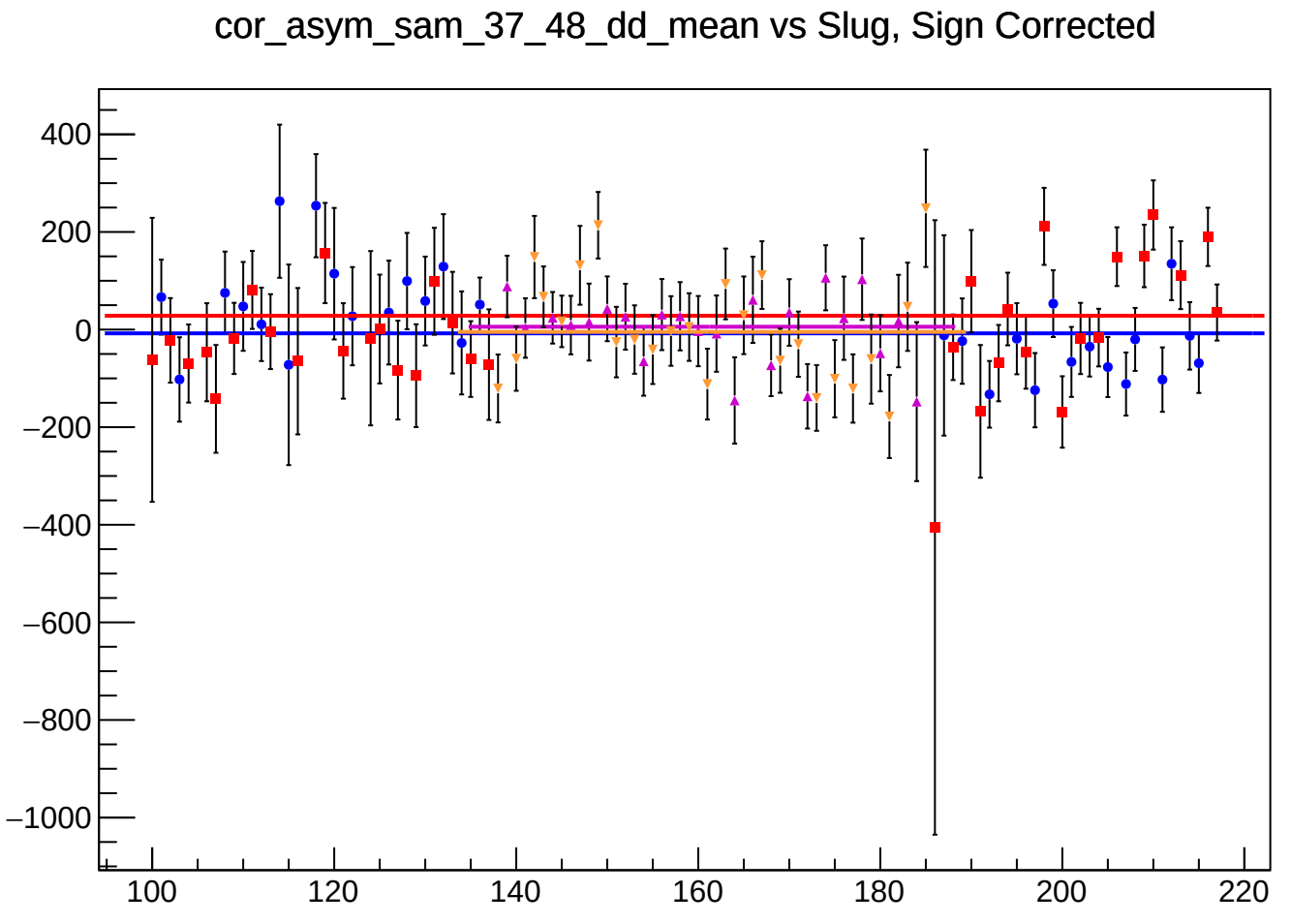
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 362.075+/-0.042 χ^2/NDF: 5717210.9/66

In: 362.946+/-0.043 χ^2/NDF:2961319.0/53

Out: 357.815+/-0.041 χ^2/NDF:3955894.1/60

All: 360.278+/-0.030 χ^2/NDF: 6924664.9/114



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: 28.355+/-13.894 χ^2/NDF: 58.7/35

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

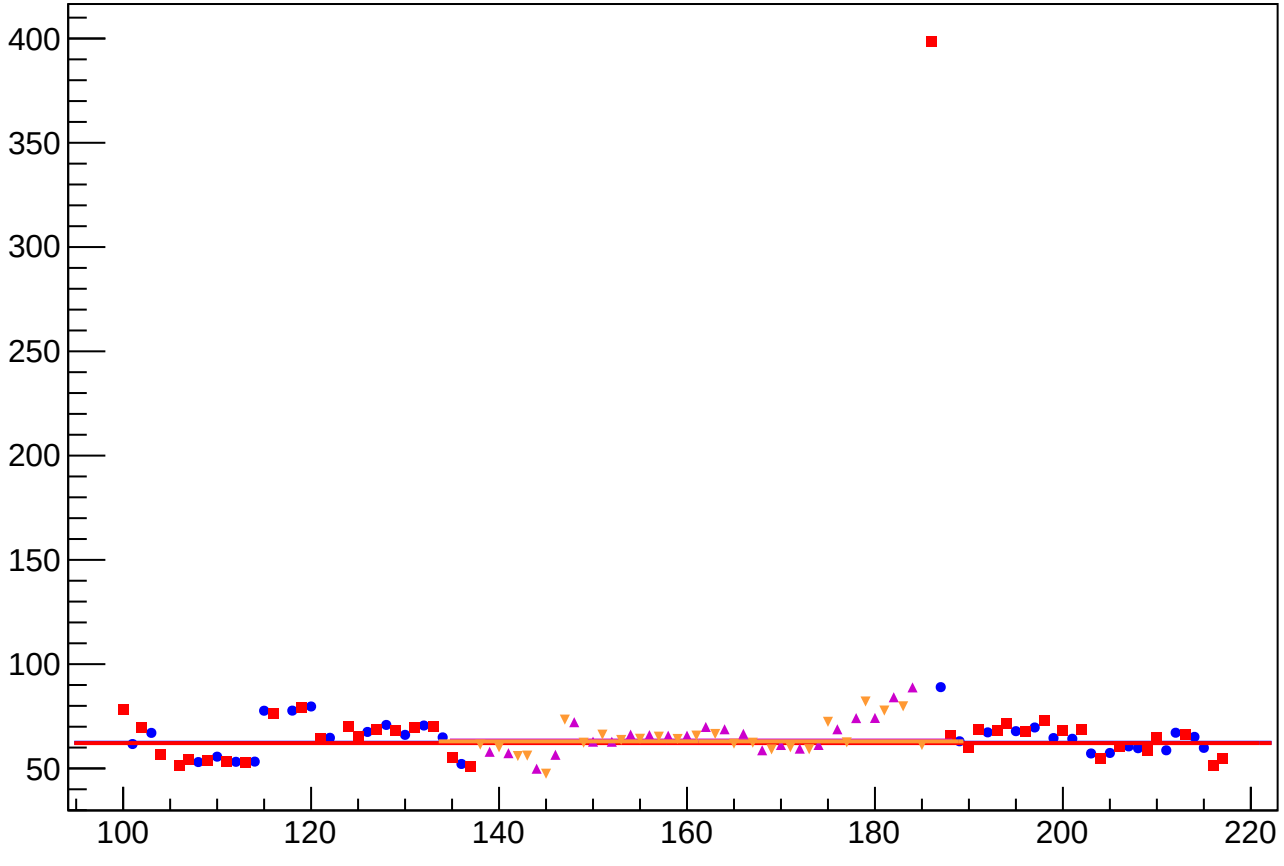
Right: 10.817+/-9.962 χ^2/NDF: 98.2/66

In: -1.275+/-10.324 χ^2/NDF:55.0/53

Out: 12.431+/-10.009 χ^2/NDF:108.7/60

All: 5.790+/-7.186 χ^2/NDF: 164.7/114

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 62.141+/-0.010 χ^2/NDF: 1142457.3/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

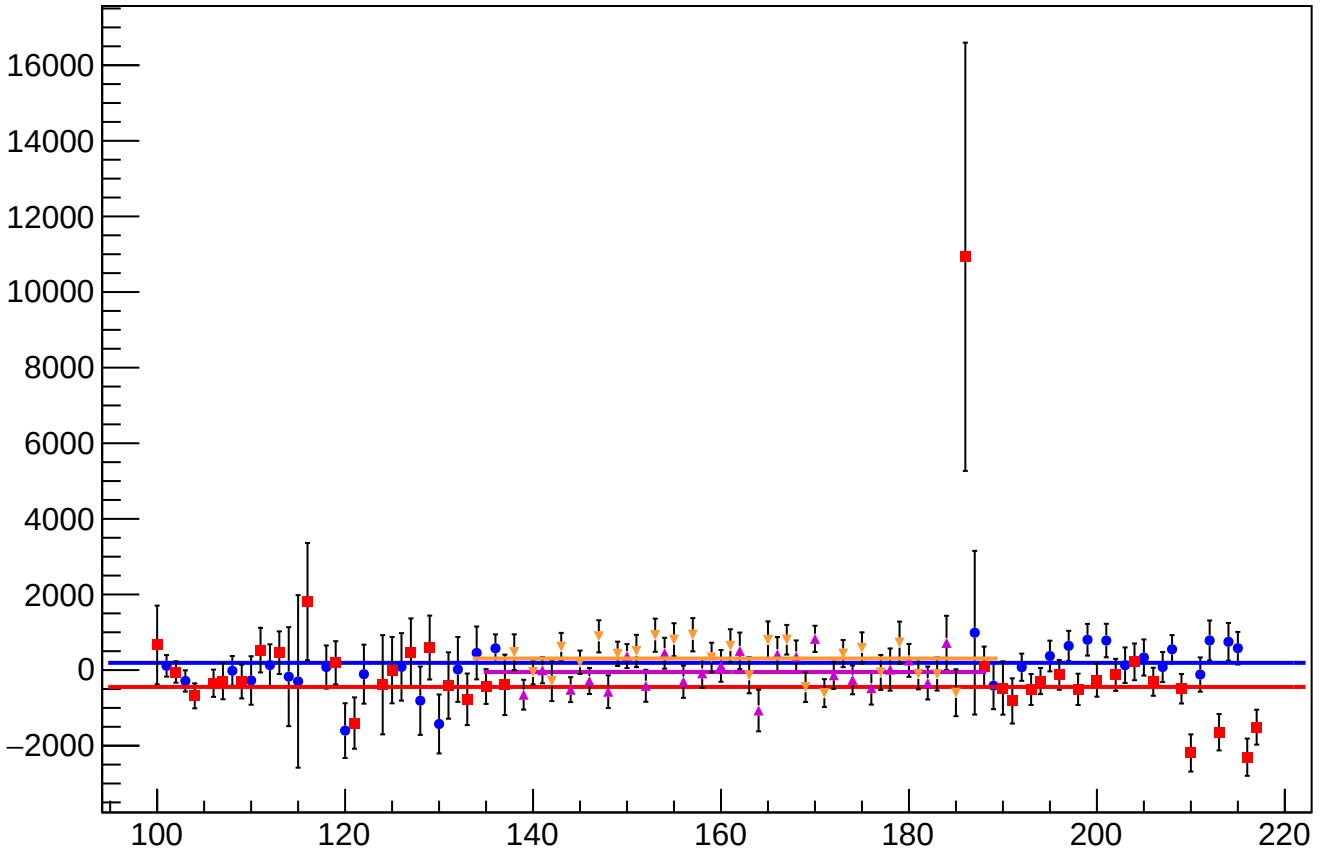
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.226+/-0.007 χ^2/NDF: 1541847.7/66

In: 62.817+/-0.007 χ^2/NDF:901333.0/53

Out: 62.543+/-0.007 χ^2/NDF:1672790.2/60

All: 62.676+/-0.005 χ^2/NDF: 2574850.2/114



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: -446.033+/-82.579 χ^2/NDF: 65.0/35

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

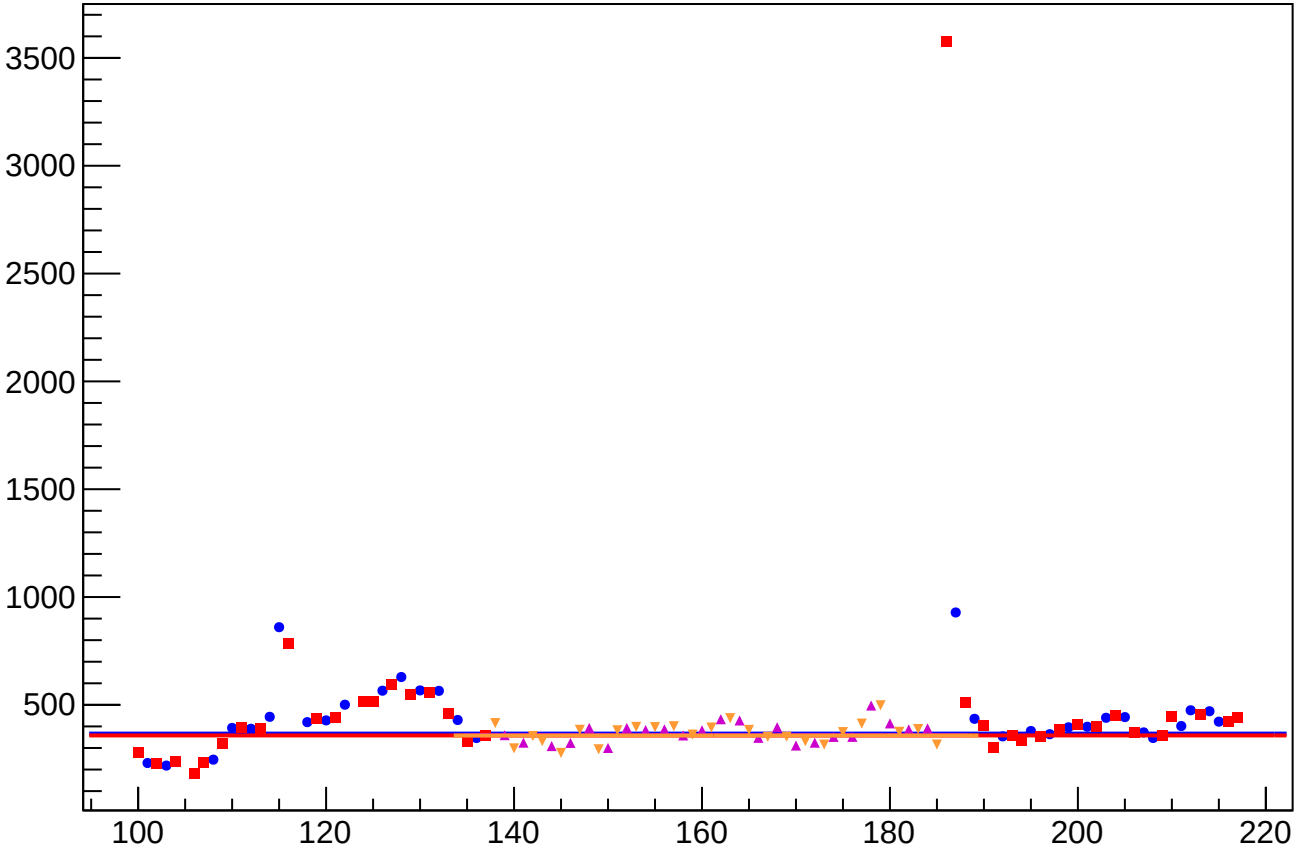
Right: -142.323+/-59.769 χ^2/NDF: 121.9/66

In: 68.386+/-60.609 χ^2/NDF:59.7/53

Out: -68.436+/-58.315 χ^2/NDF:137.4/60

All: -2.663+/-42.022 χ^2/NDF: 199.7/114

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 366.695+/-0.061 χ^2/NDF: 2434131.1/30

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 358.209+/-0.058 χ^2/NDF: 3285438.5/35

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

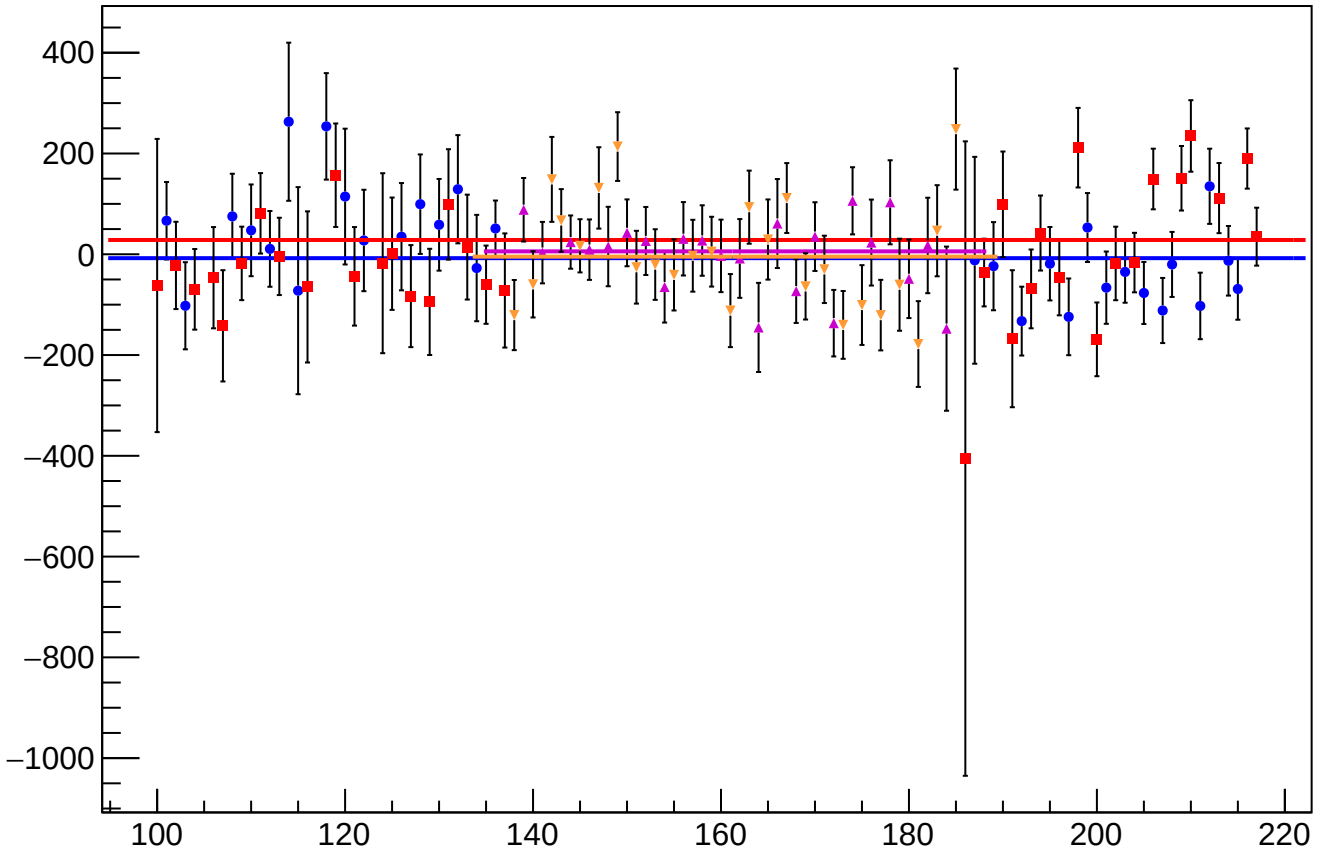
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 362.249+/-0.042 χ^2/NDF: 5729626.2/66

In: 362.946+/-0.043 χ^2/NDF:2961233.7/53

Out: 357.970+/-0.041 χ^2/NDF:3969198.4/60

All: 360.362+/-0.030 χ^2/NDF: 6937434.5/114



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: 28.355+/-13.894 χ^2/NDF: 58.7/35

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

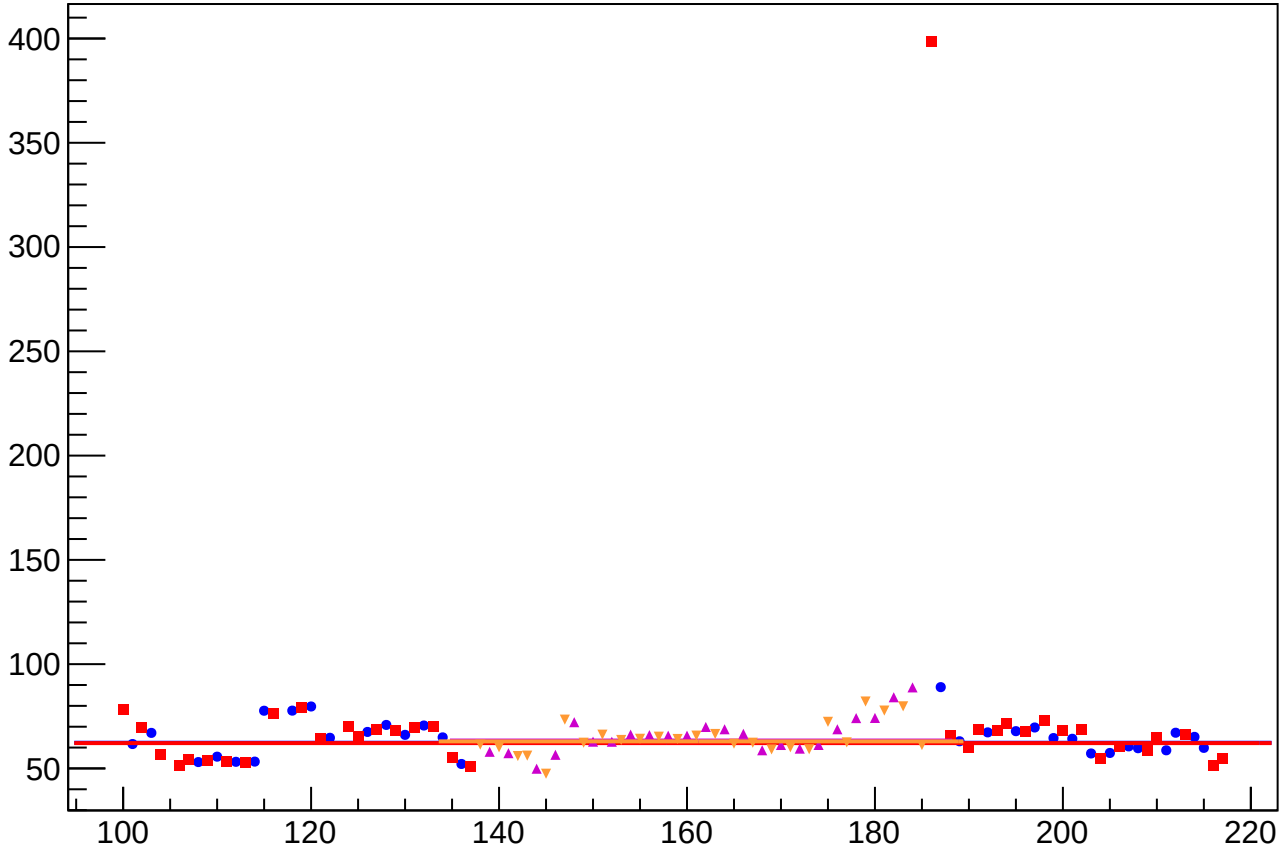
Right: 10.817+/-9.962 χ^2/NDF: 98.2/66

In: -1.275+/-10.324 χ^2/NDF:55.0/53

Out: 12.431+/-10.009 χ^2/NDF:108.7/60

All: 5.790+/-7.186 χ^2/NDF: 164.7/114

eigen_cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 62.141+/-0.010 χ^2/NDF: 1142457.3/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

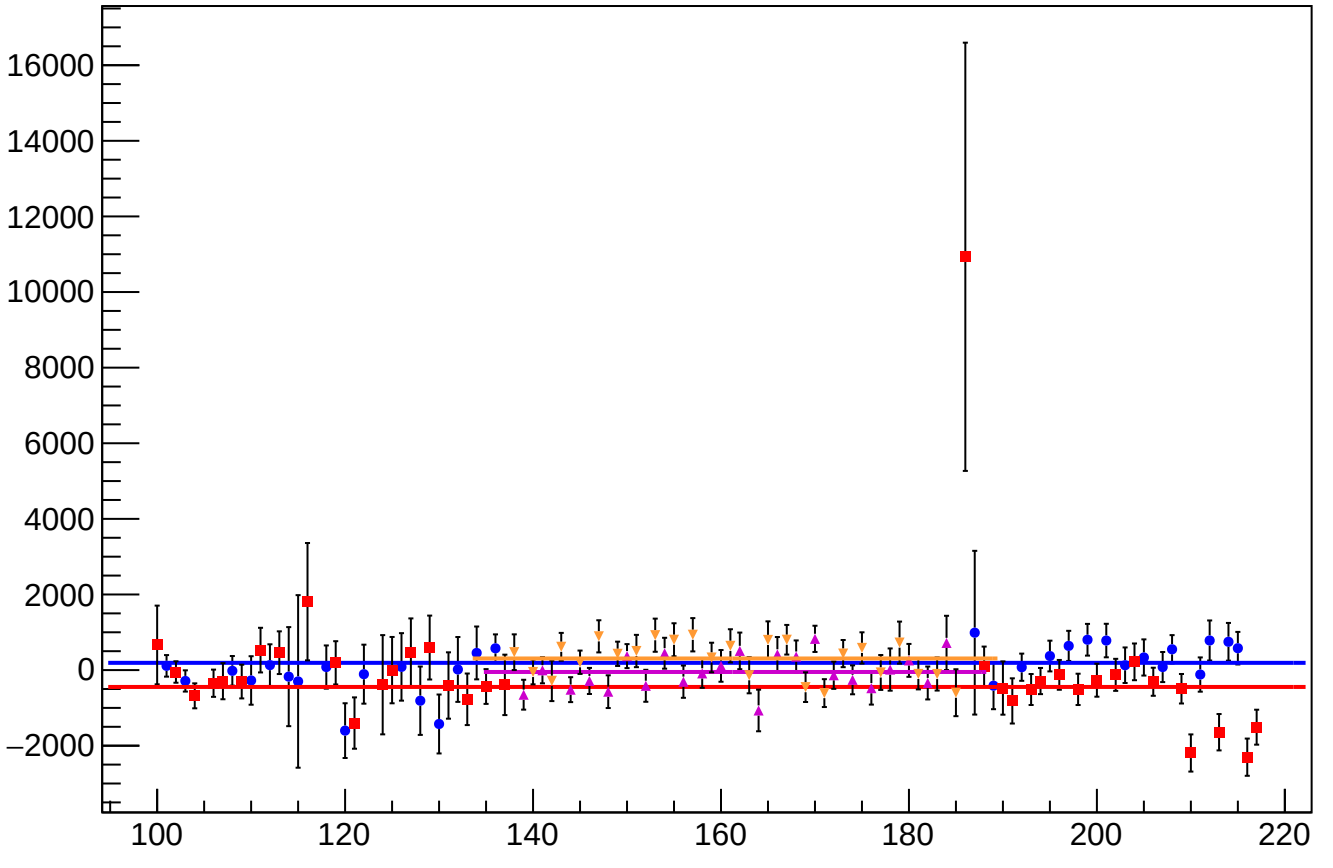
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.226+/-0.007 χ^2/NDF: 1541847.7/66

In: 62.817+/-0.007 χ^2/NDF:901333.0/53

Out: 62.543+/-0.007 χ^2/NDF:1672790.2/60

All: 62.676+/-0.005 χ^2/NDF: 2574850.2/114



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: -446.033+/-82.579 χ^2/NDF: 65.0/35

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

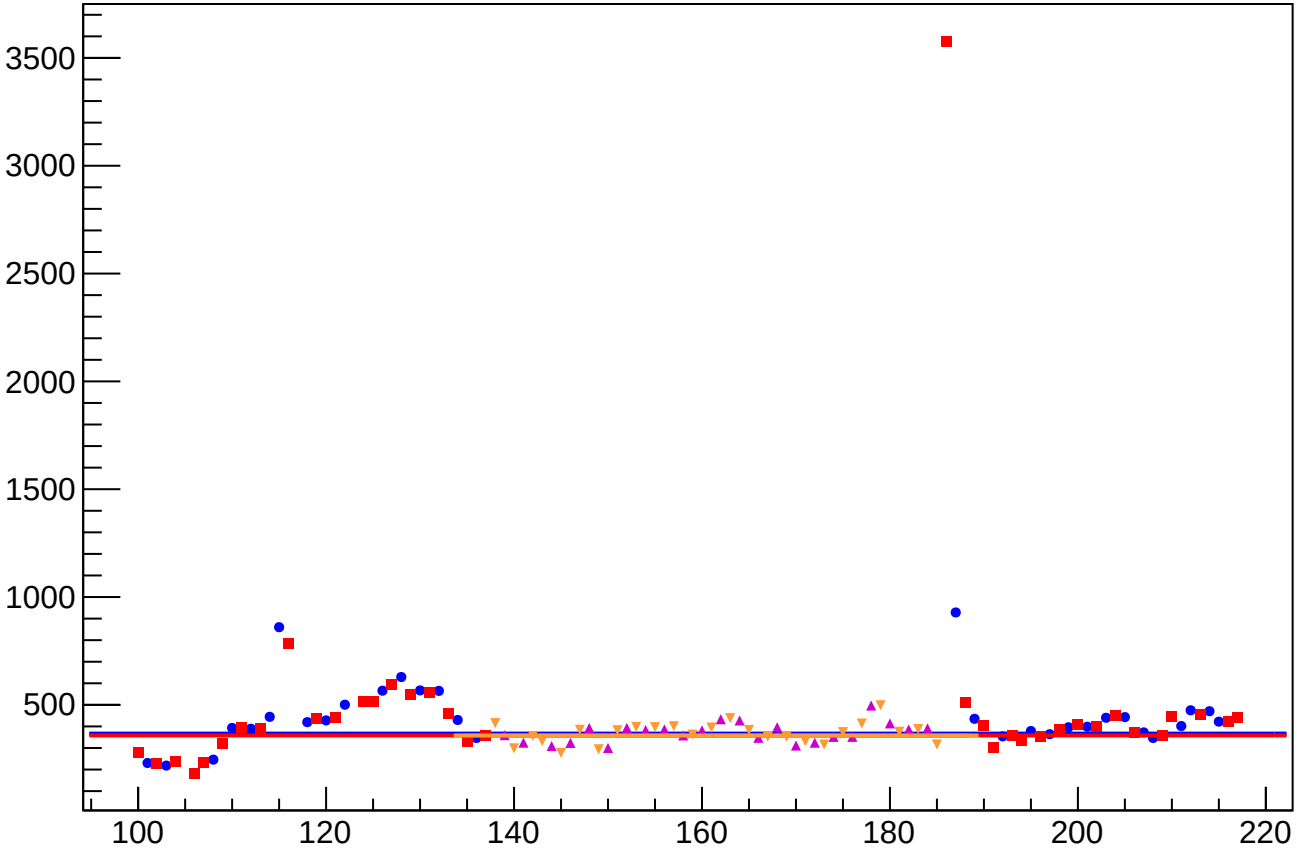
Right: -142.323+/-59.769 χ^2/NDF: 121.9/66

In: 68.386+/-60.609 χ^2/NDF:59.7/53

Out: -68.436+/-58.315 χ^2/NDF:137.4/60

All: -2.663+/-42.022 χ^2/NDF: 199.7/114

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: 358.209+/-0.058 χ^2/NDF: 3285438.5/35

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

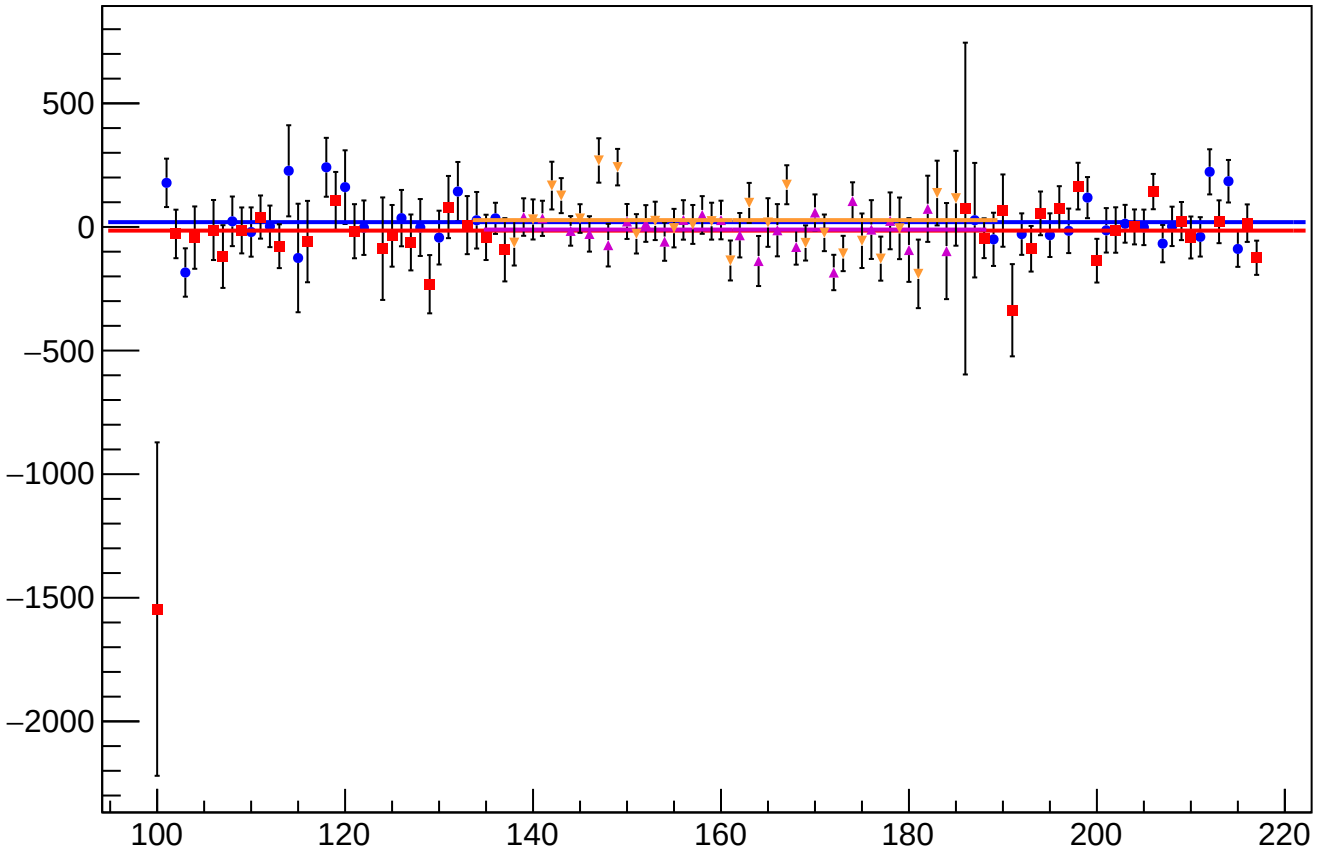
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 362.249+/-0.042 χ^2/NDF: 5729626.2/66

In: 362.946+/-0.043 χ^2/NDF:2961233.7/53

Out: 357.970+/-0.041 χ^2/NDF:3969198.4/60

All: 360.362+/-0.030 χ^2/NDF: 6937434.5/114



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: -14.720+/-16.673 χ^2/NDF: 32.1/35

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

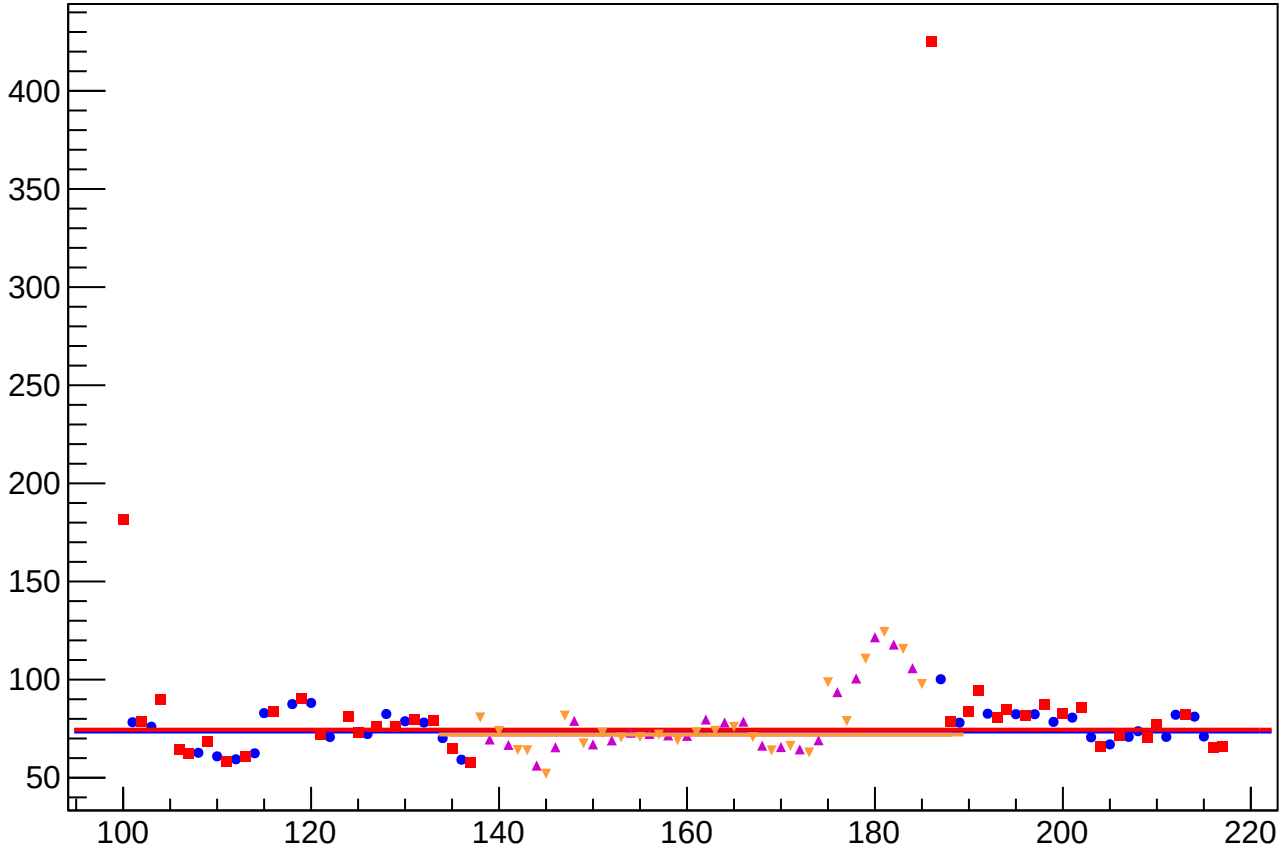
Right: 2.160+/-11.870 χ^2/NDF: 64.7/66

In: 4.776+/-12.064 χ^2/NDF:48.2/53

Out: 6.367+/-11.814 χ^2/NDF:77.6/60

All: 5.588+/-8.441 χ^2/NDF: 125.8/114

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 74.487+/-0.012 χ^2/NDF: 1183201.9/35

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

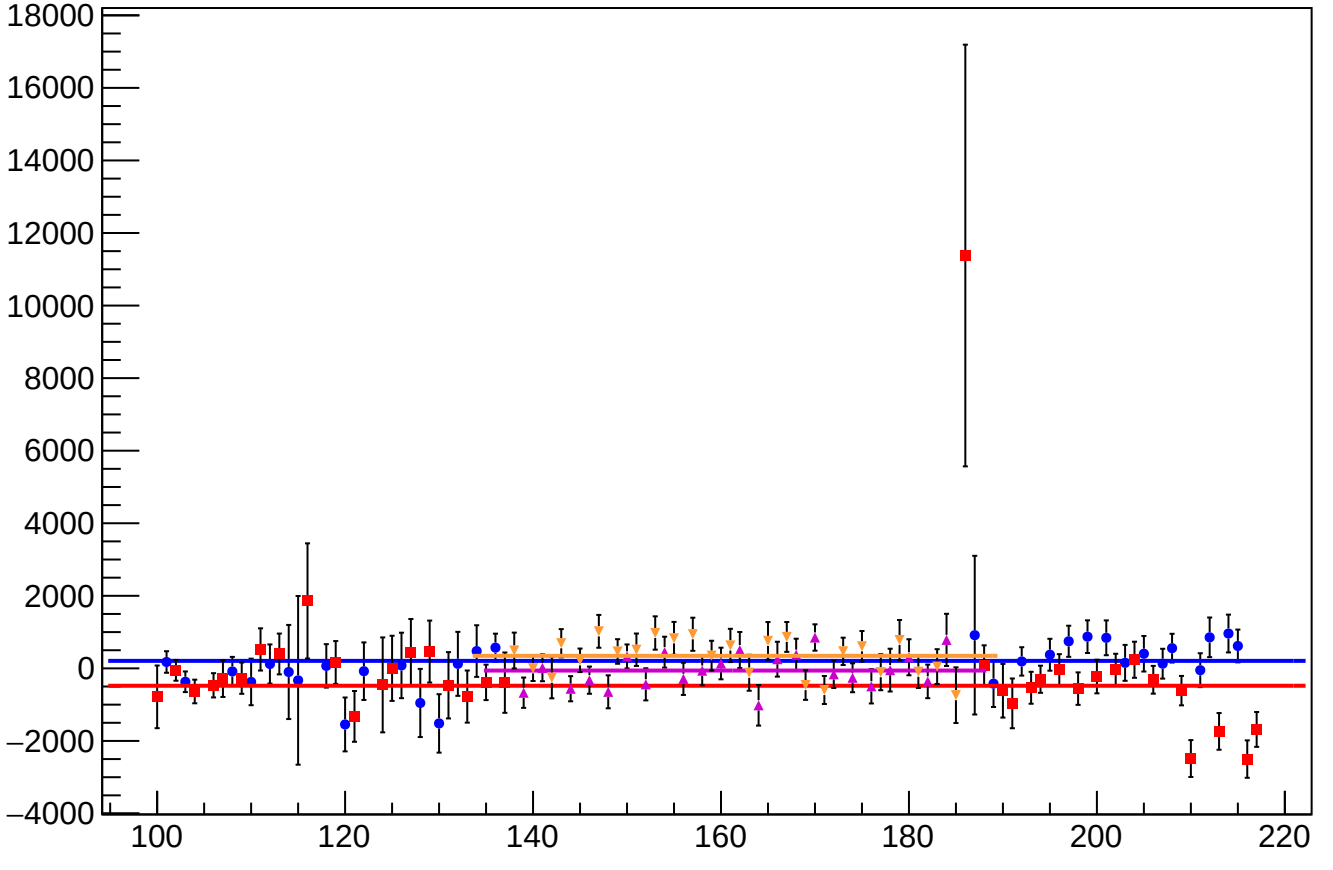
Right: 74.031+/-0.008 χ^2/NDF: 1660453.2/66

In: 72.841+/-0.009 χ^2/NDF:1540502.2/53

Out: 73.269+/-0.008 χ^2/NDF:2474115.5/60

All: 73.060+/-0.006 χ^2/NDF: 4015900.8/114

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: -478.886+/-85.043 χ^2/NDF: 70.0/35

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

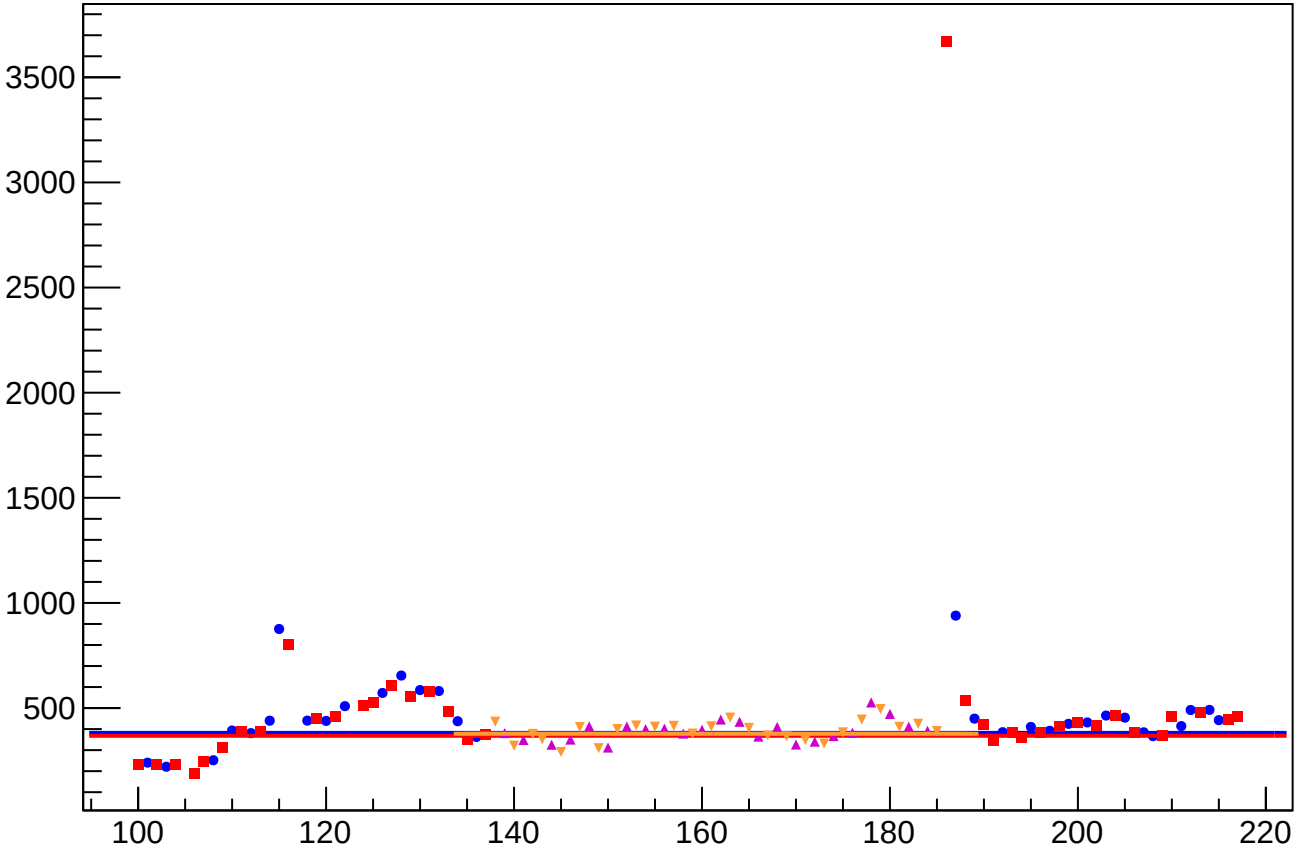
Right: -156.478+/-61.899 χ^2/NDF: 131.5/66

In: 72.155+/-63.524 χ^2/NDF:61.1/53

Out: -74.995+/-60.754 χ^2/NDF:145.0/60

All: -4.698+/-43.906 χ^2/NDF: 209.0/114

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 382.032+/-0.064 χ^2/NDF: 2503829.1/30

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 368.269+/-0.060 χ^2/NDF: 3582605.7/35

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

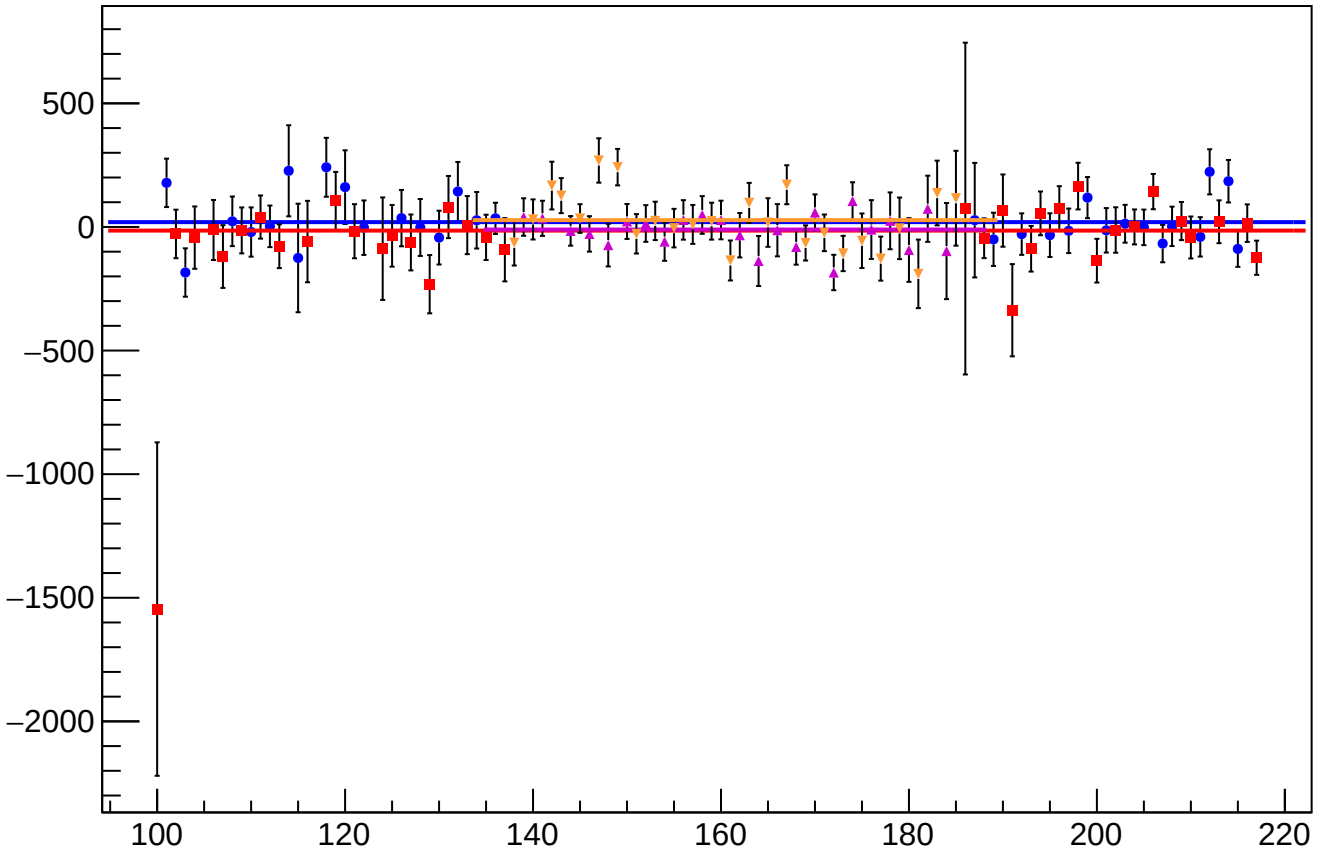
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 374.740+/-0.044 χ^2/NDF: 6111065.2/66

In: 380.435+/-0.045 χ^2/NDF:3032753.3/53

Out: 372.934+/-0.043 χ^2/NDF:4231612.6/60

All: 376.518+/-0.031 χ^2/NDF: 7278931.2/114



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: -14.719+/-16.673 χ^2/NDF: 32.1/35

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

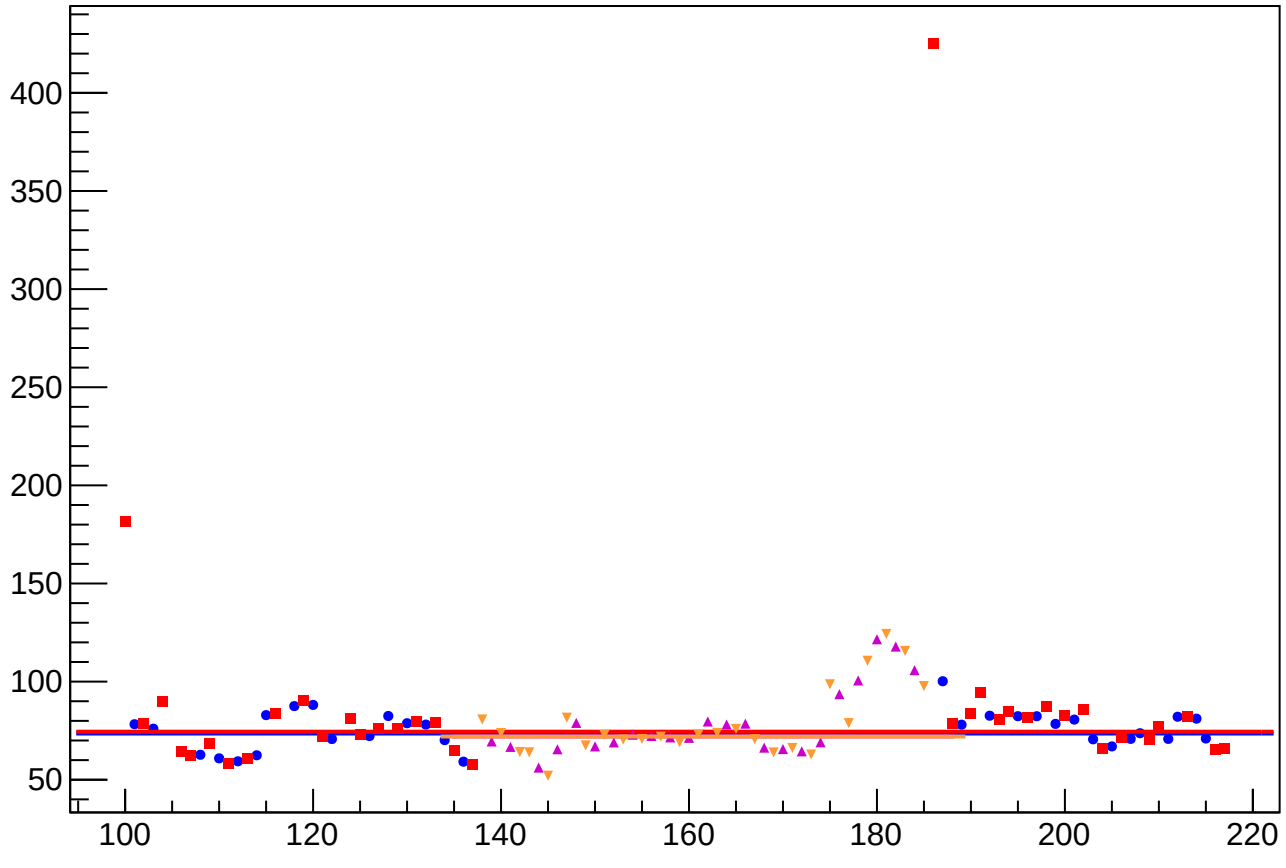
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 2.160+/-11.870 χ^2/NDF: 64.7/66

In: 4.776+/-12.064 χ^2/NDF:48.2/53

Out: 6.366+/-11.814 χ^2/NDF:77.6/60

All: 5.588+/-8.441 χ^2/NDF: 125.8/114



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: 74.487+/-0.012 χ^2/NDF: 1183196.1/35

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

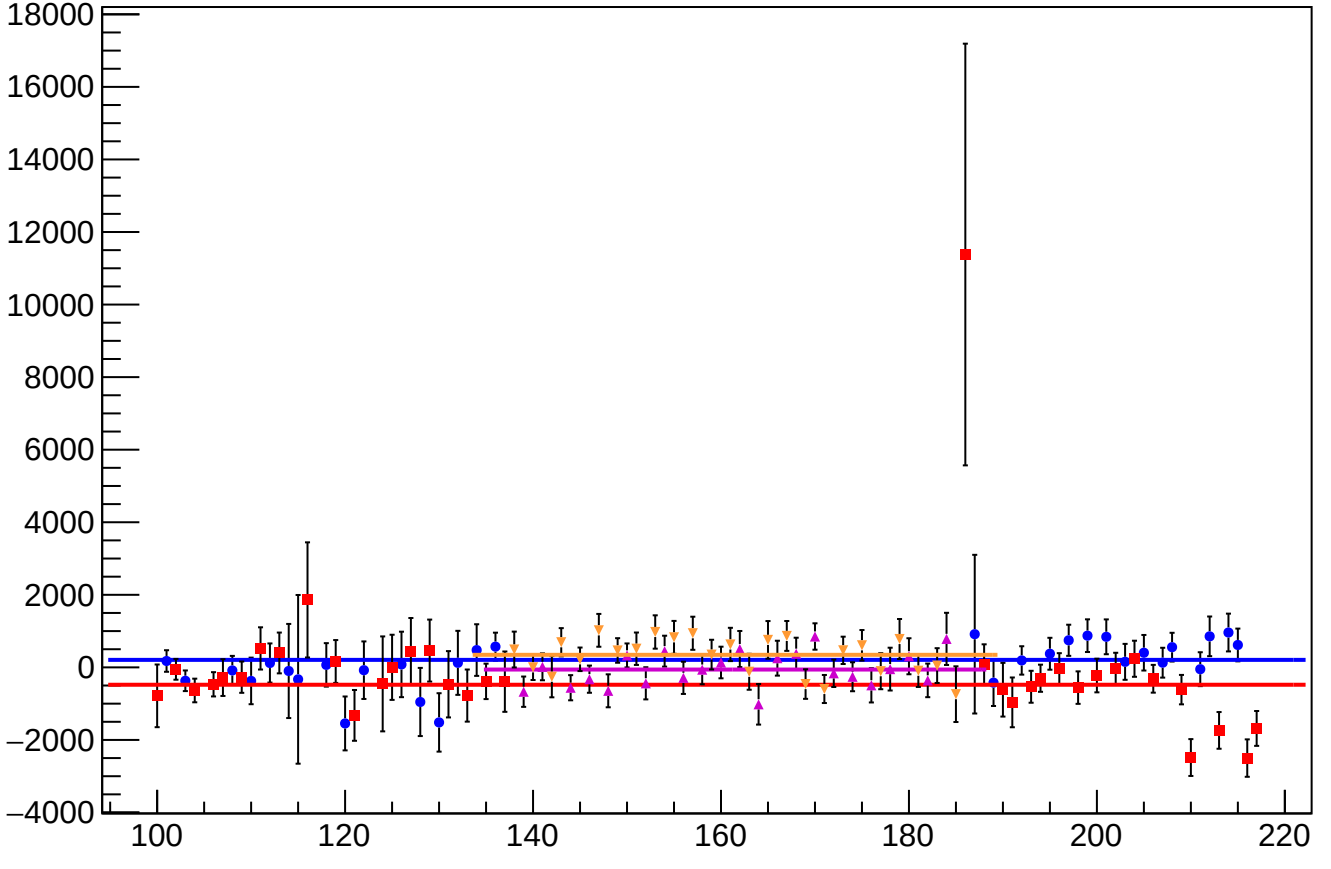
Right: 74.031+/-0.008 χ^2/NDF: 1660443.1/66

In: 72.841+/-0.009 χ^2/NDF:1540487.3/53

Out: 73.269+/-0.008 χ^2/NDF:2474116.9/60

All: 73.060+/-0.006 χ^2/NDF: 4015887.5/114

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: -478.886+/-85.043 χ^2/NDF: 70.0/35

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

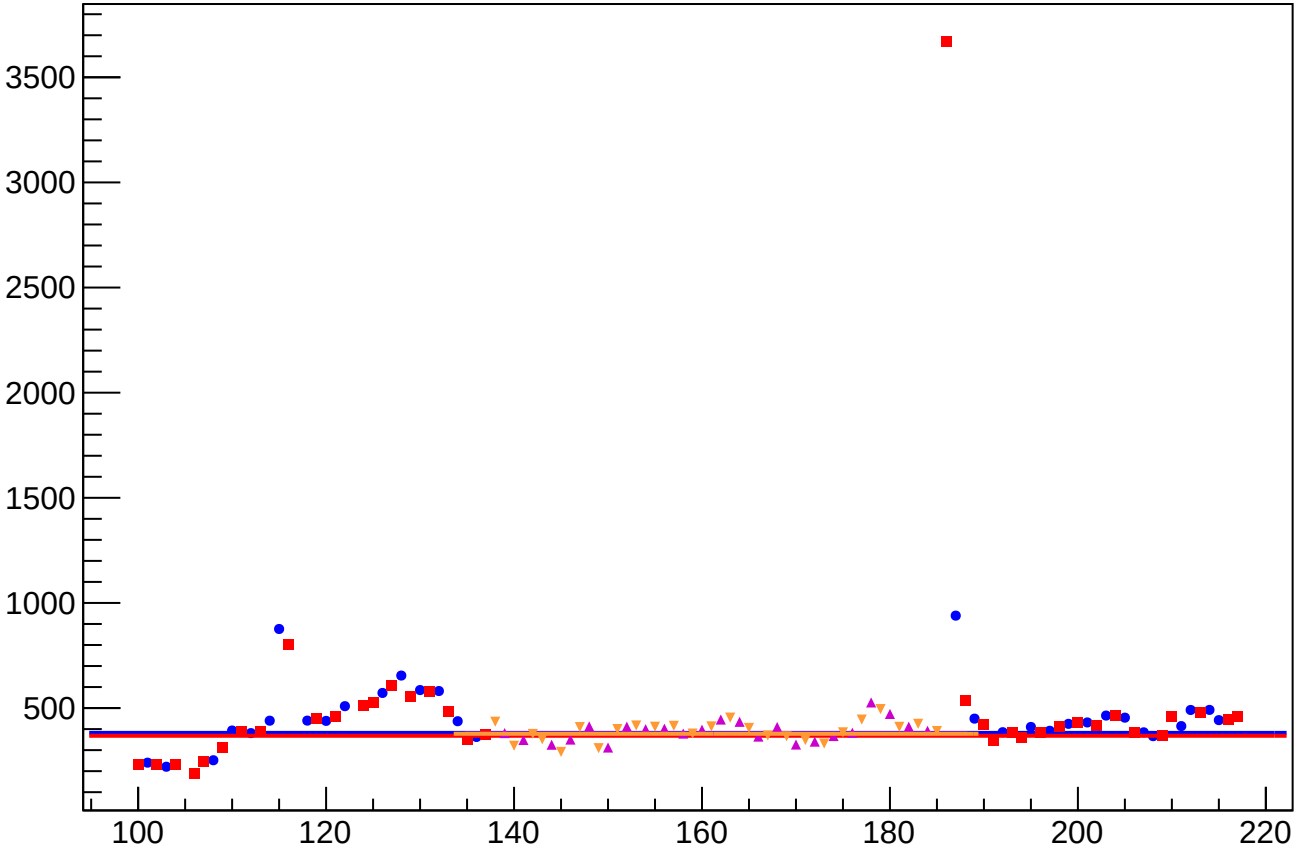
Right: -156.478+/-61.899 χ^2/NDF: 131.5/66

In: 72.155+/-63.524 χ^2/NDF:61.1/53

Out: -74.995+/-60.754 χ^2/NDF:145.0/60

All: -4.698+/-43.906 χ^2/NDF: 209.0/114

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: 368.269+/-0.060 χ^2/NDF: 3582591.4/35

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

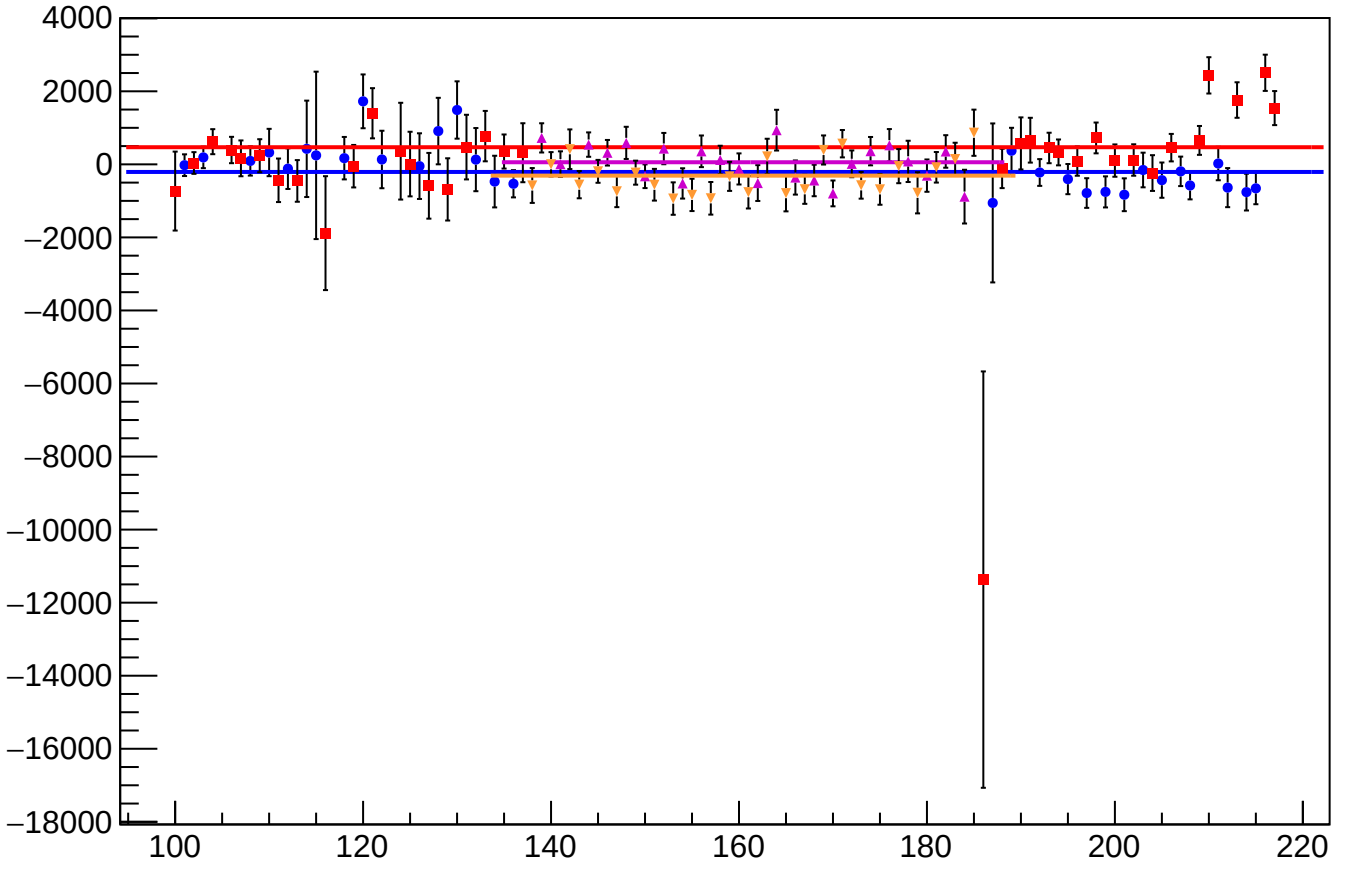
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 374.740+/-0.044 χ^2/NDF: 6111036.6/66

In: 380.435+/-0.045 χ^2/NDF:3032734.4/53

Out: 372.934+/-0.043 χ^2/NDF:4231597.7/60

All: 376.517+/-0.031 χ^2/NDF: 7278898.0/114



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: 468.904+/-84.057 χ^2/NDF: 73.4/35

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

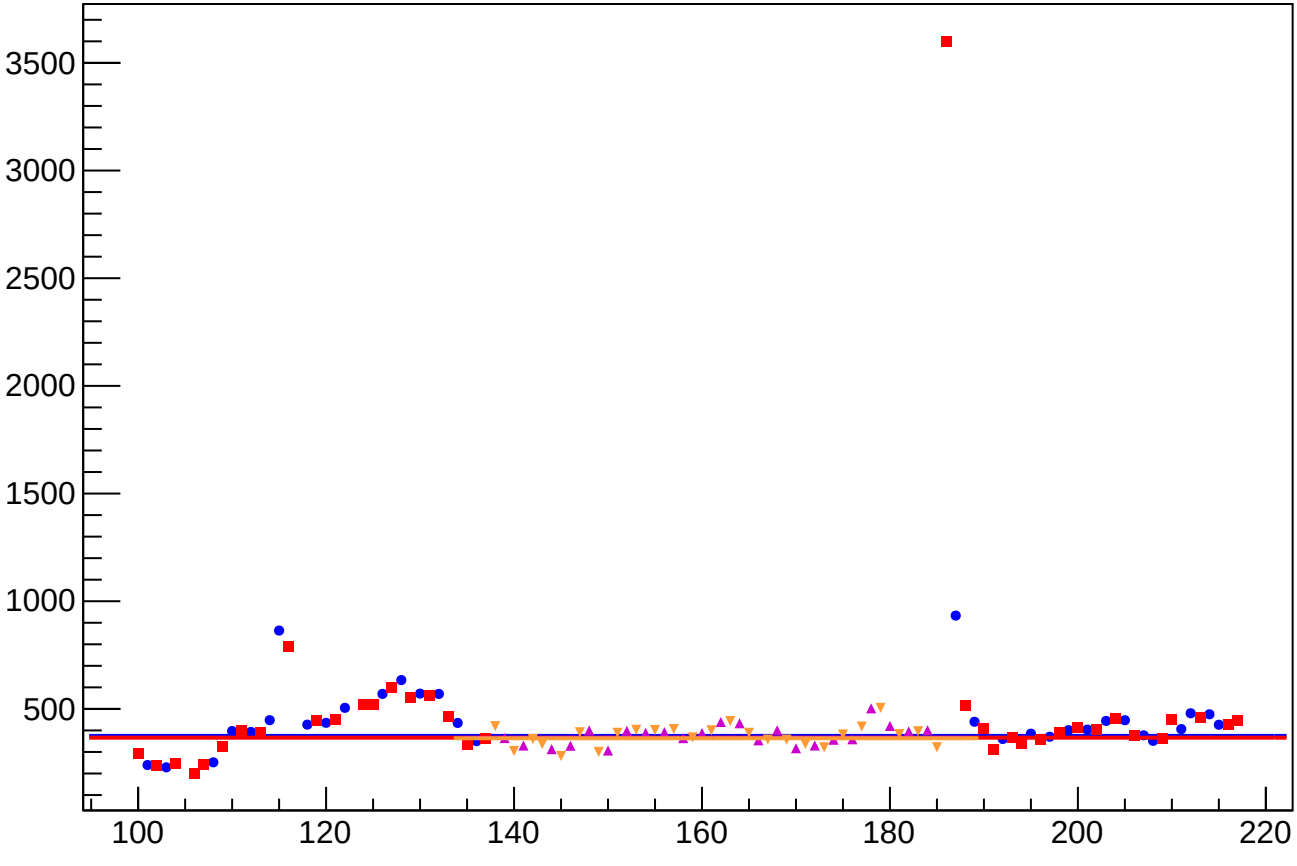
Right: 146.899+/-60.868 χ^2/NDF: 134.0/66

In: -72.185+/-61.677 χ^2/NDF:62.3/53

Out: 78.159+/-59.312 χ^2/NDF:146.4/60

All: 5.923+/-42.752 χ^2/NDF: 211.8/114

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: 366.300+/-0.059 χ^2/NDF: 3057899.3/35

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

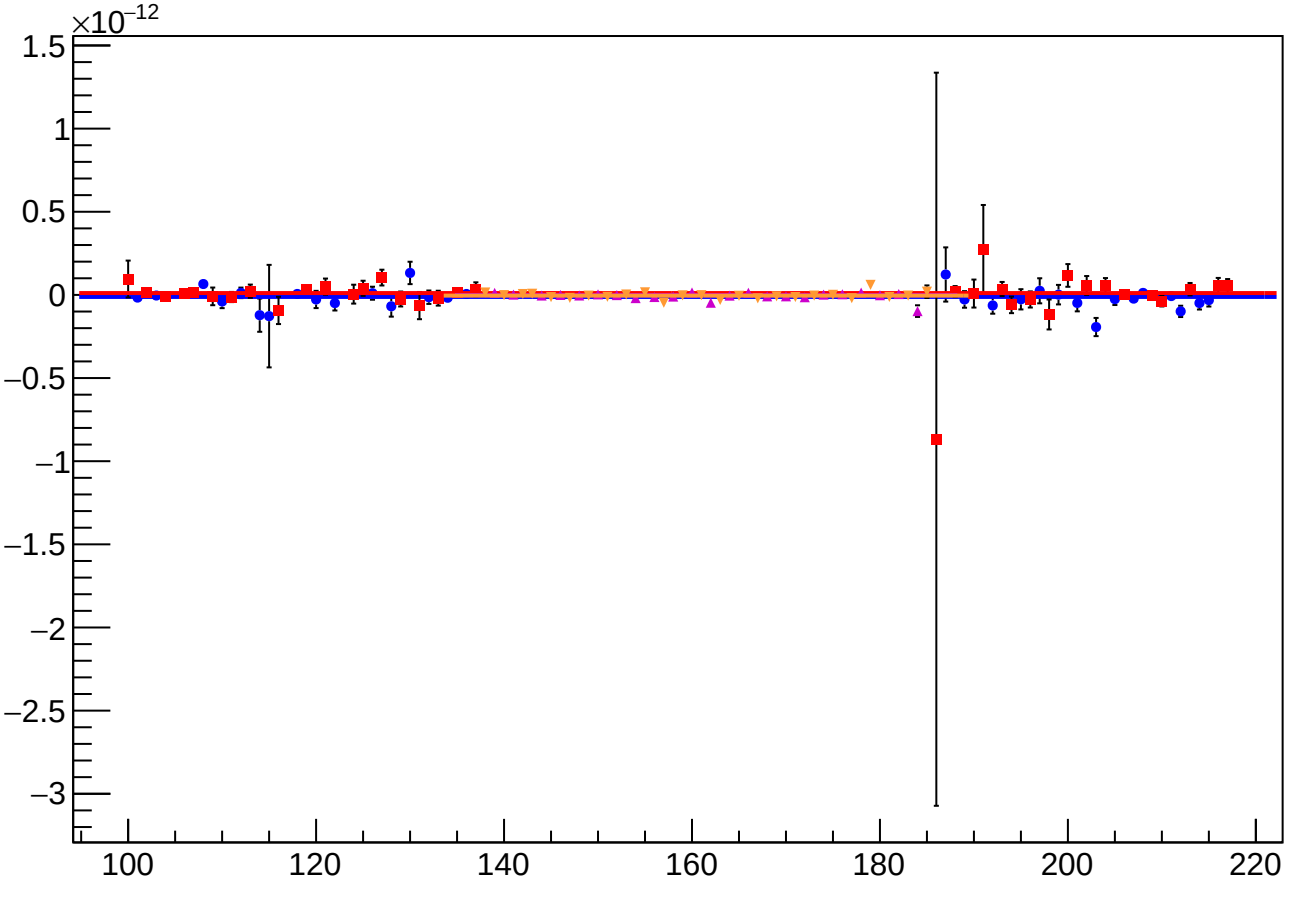
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 370.250+/-0.043 χ^2/NDF: 5318850.3/66

In: 369.856+/-0.044 χ^2/NDF:2772477.5/53

Out: 365.002+/-0.042 χ^2/NDF:3728094.6/60

All: 367.334+/-0.030 χ^2/NDF: 6507009.8/114



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: 27.7/35

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

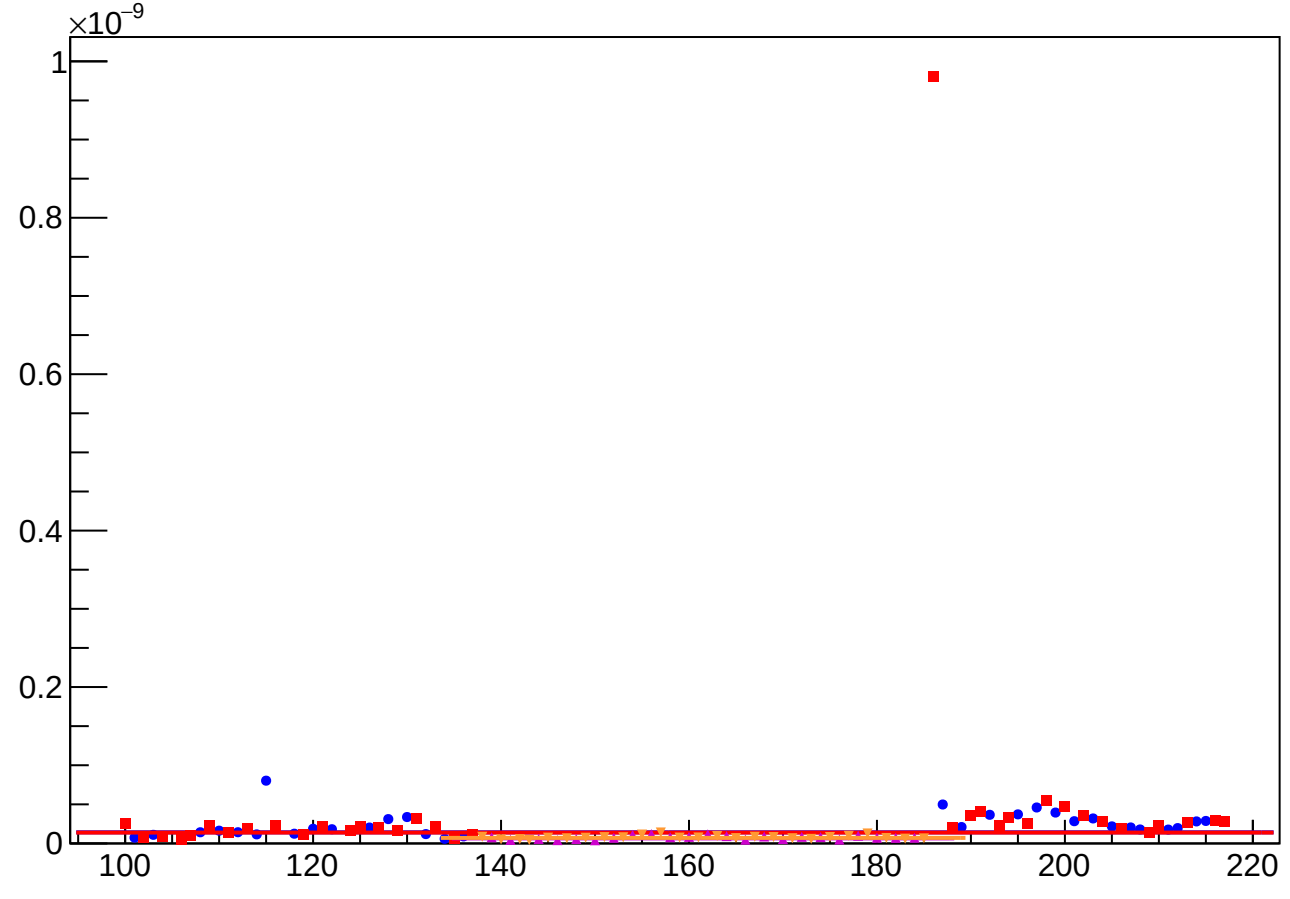
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: -0.000+/-0.000 χ^2/NDF: 77.2/66

In: -0.000+/-0.000 χ^2/NDF:65.3/53

Out: -0.000+/-0.000 χ^2/NDF:56.1/60

All: -0.000+/-0.000 χ^2/NDF: 121.8/114



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: 5588403.1/35

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

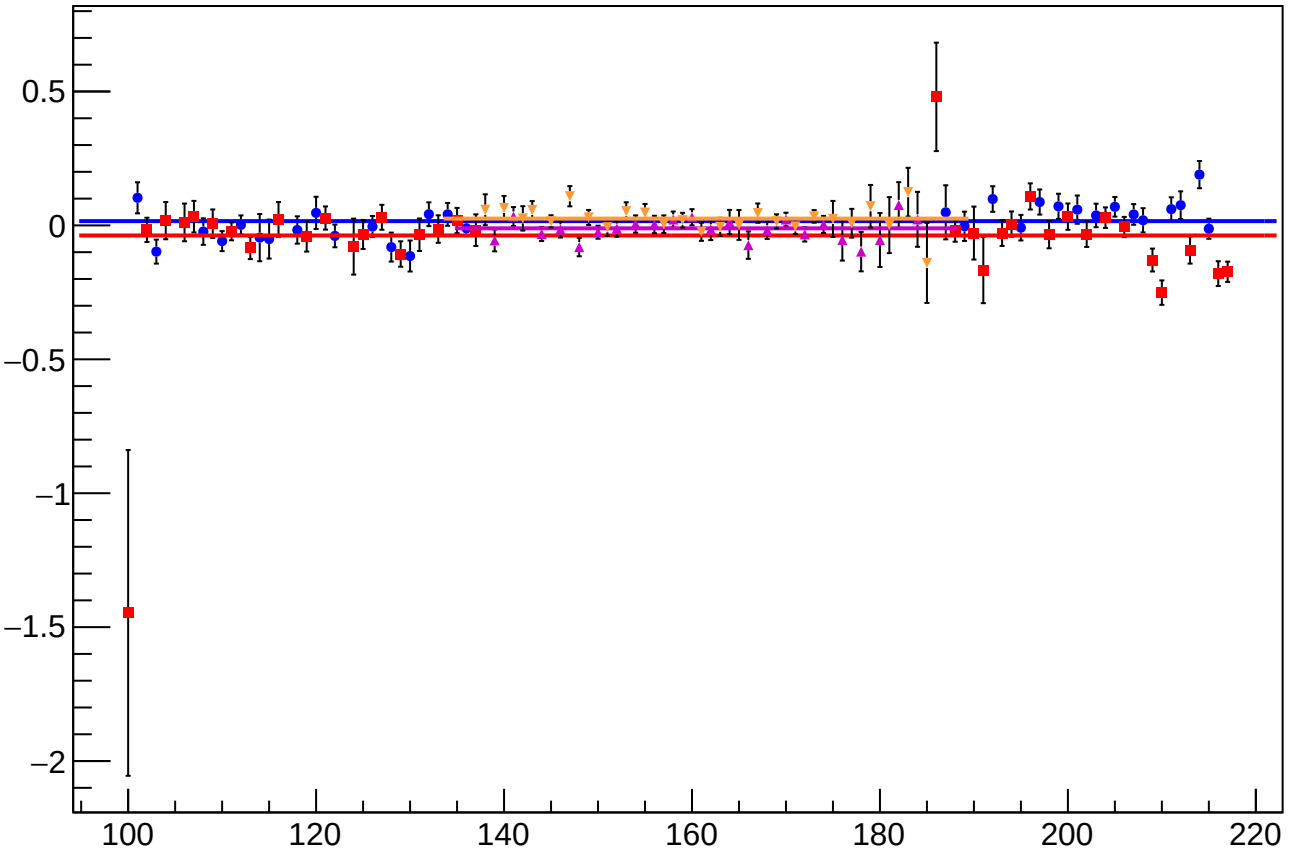
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 10223282.1/66

In: 0.000+/-0.000 χ^2/NDF:9095909.7/53

Out: 0.000+/-0.000 χ^2/NDF:8983960.6/60

All: 0.000+/-0.000 χ^2/NDF: 18131010.9/114



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: -0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

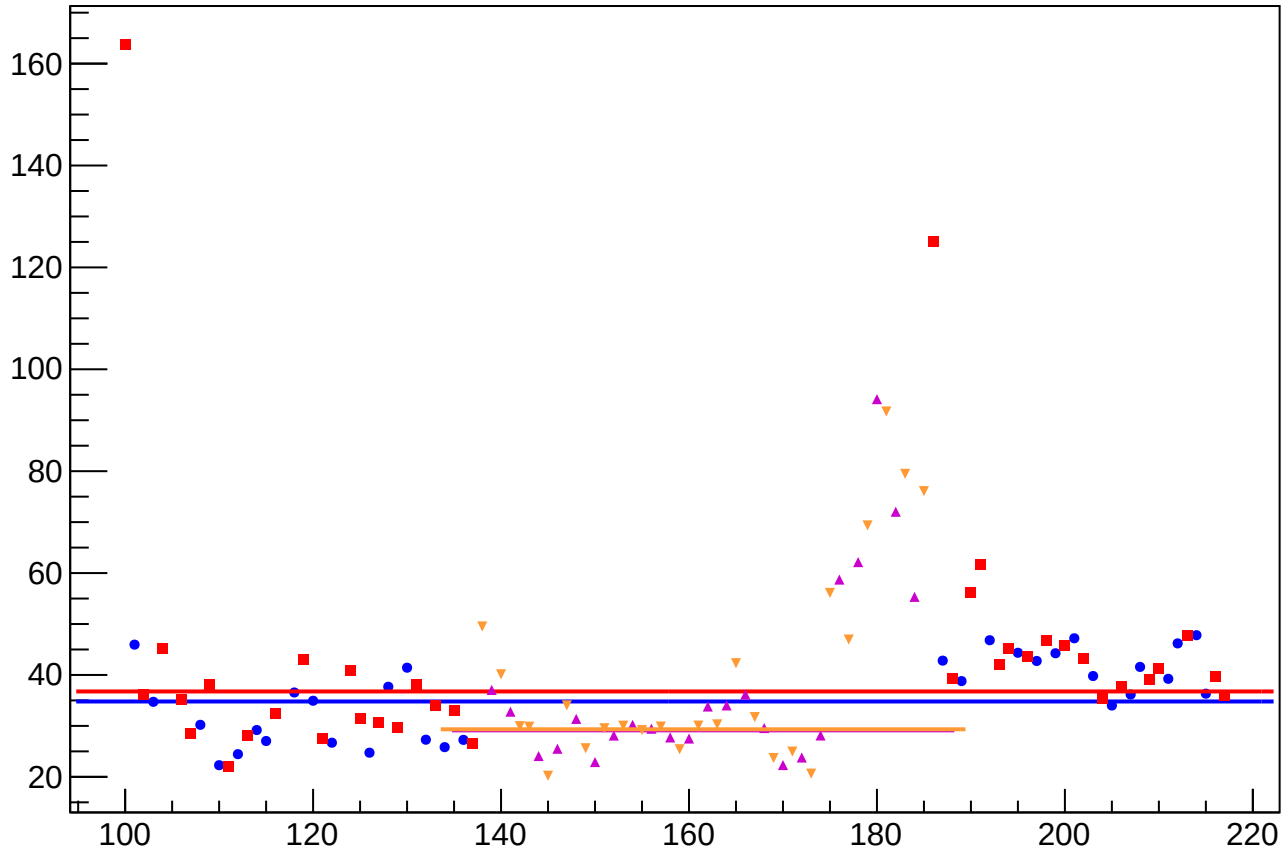
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.010+/-0.006 χ^2/NDF: 166.0/66

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: -0.001+/-0.005 χ^2/NDF:142.7/60

All: -0.000+/-0.004 χ^2/NDF: 220.2/114



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: 36.764+/-0.006 χ^2/NDF: 1925125.4/35

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

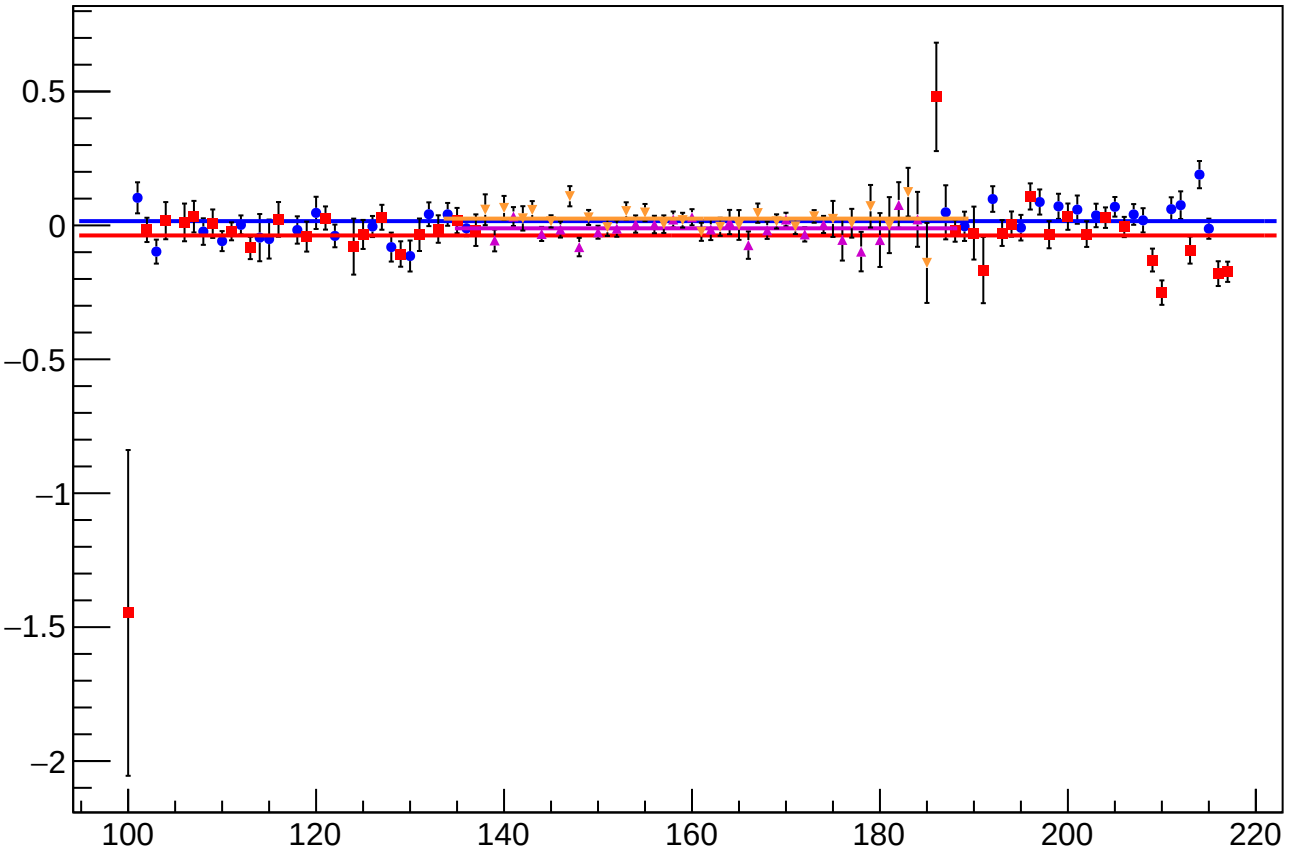
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.758+/-0.004 χ^2/NDF: 3820525.0/66

In: 31.618+/-0.004 χ^2/NDF:5209710.1/53

Out: 32.464+/-0.004 χ^2/NDF:6702189.8/60

All: 32.041+/-0.003 χ^2/NDF: 11935882.2/114



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: -0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

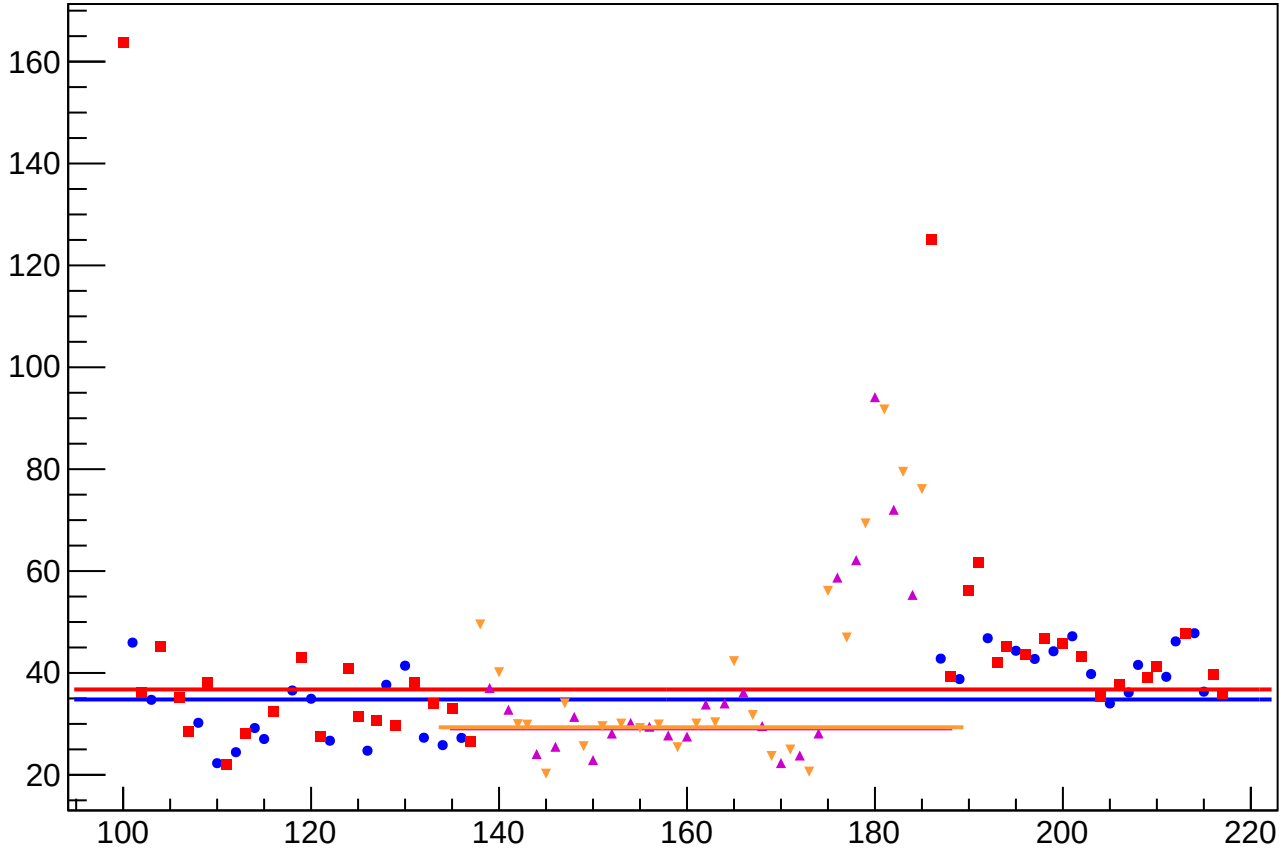
Right: -0.010+/-0.006 χ^2/NDF: 166.0/66

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: -0.001+/-0.005 χ^2/NDF:142.7/60

All: -0.000+/-0.004 χ^2/NDF: 220.2/114

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: 36.764+/-0.006 χ^2/NDF: 1925125.4/35

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

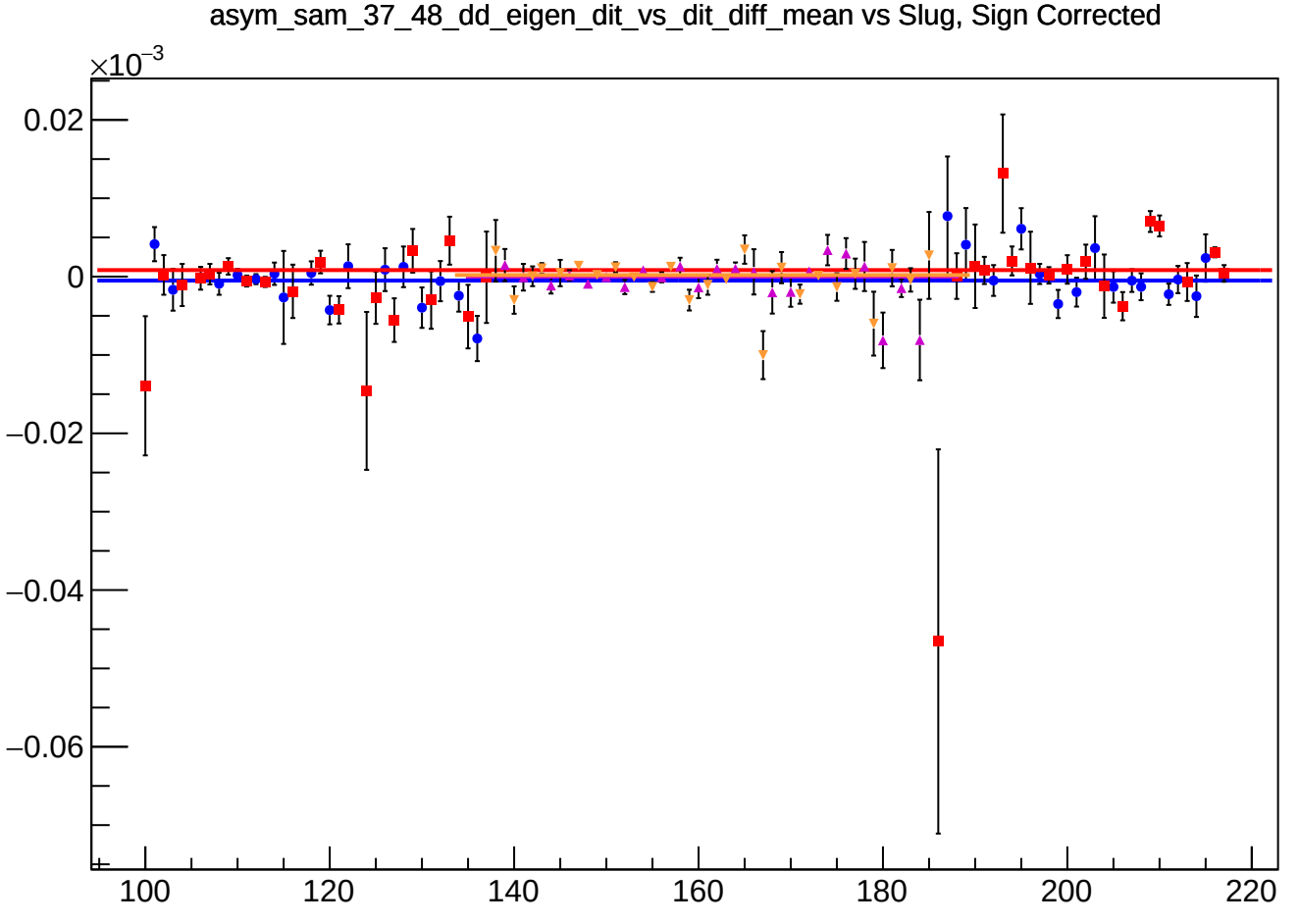
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.758+/-0.004 χ^2/NDF: 3820525.0/66

In: 31.618+/-0.004 χ^2/NDF:5209710.1/53

Out: 32.464+/-0.004 χ^2/NDF:6702189.8/60

All: 32.041+/-0.003 χ^2/NDF: 11935882.2/114



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 104.3/35

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

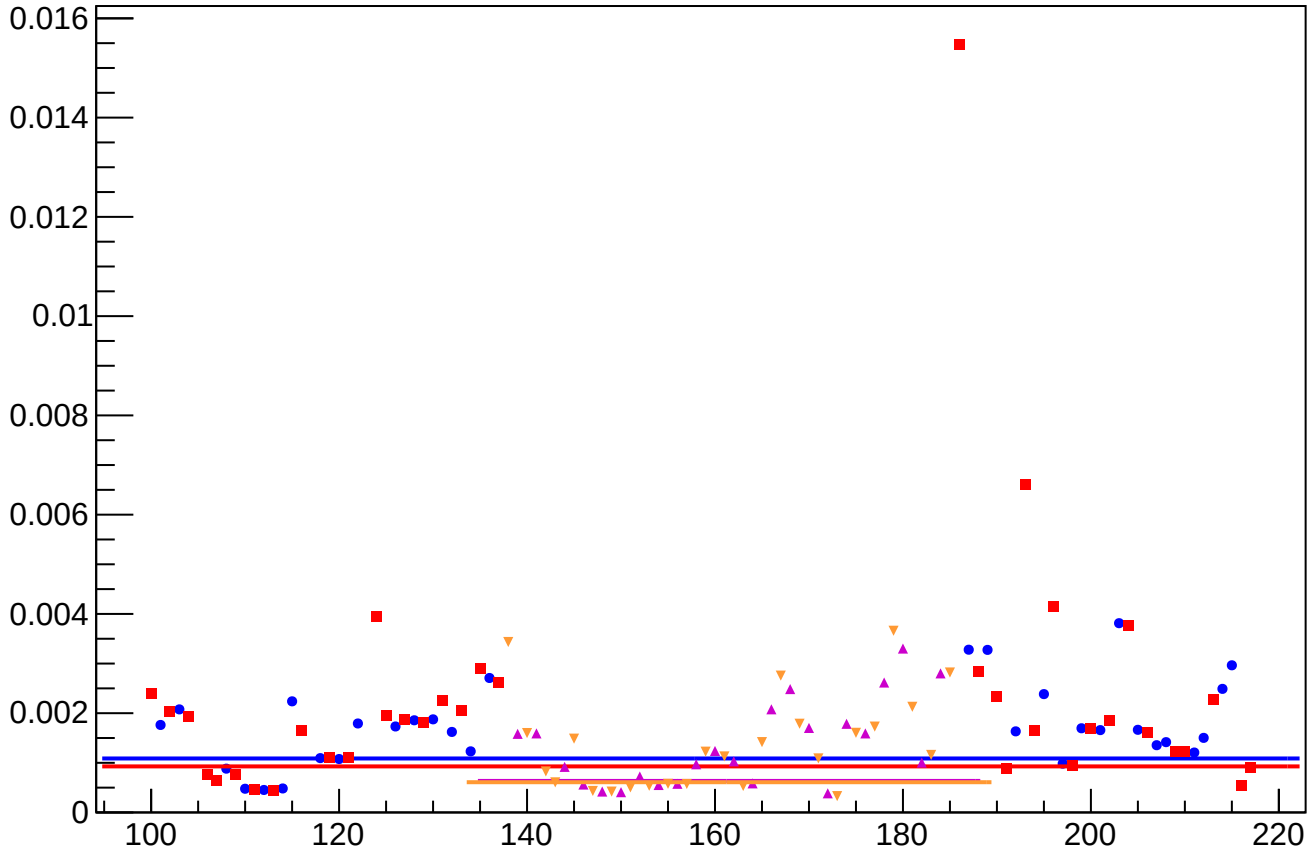
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: 0.000+/-0.000 χ^2/NDF: 153.9/66

In: -0.000+/-0.000 χ^2/NDF:73.1/53

Out: 0.000+/-0.000 χ^2/NDF:161.2/60

All: 0.000+/-0.000 χ^2/NDF: 240.7/114



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: 12628301.1/35

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

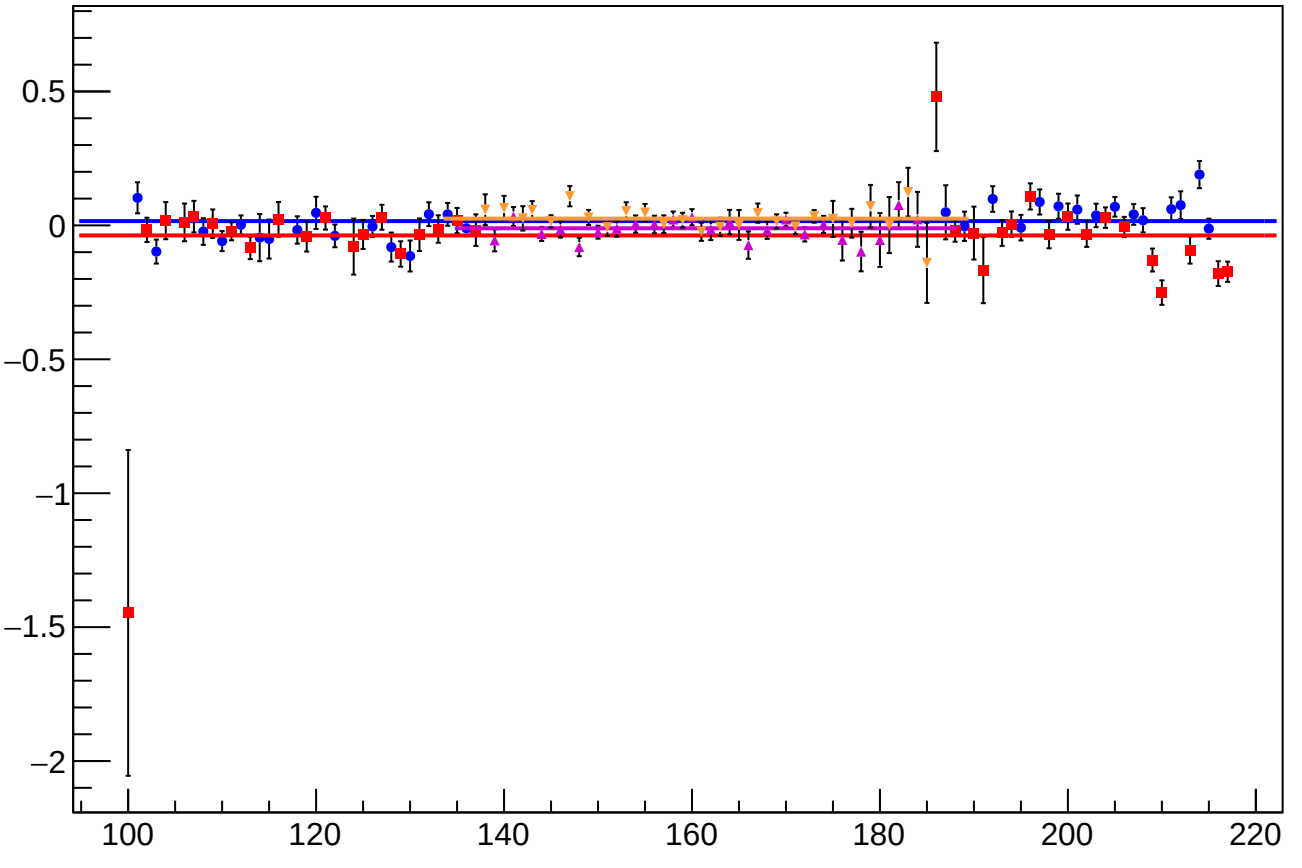
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 22759442.9/66

In: 0.001+/-0.000 χ^2/NDF:22529210.7/53

Out: 0.001+/-0.000 χ^2/NDF:25777528.0/60

All: 0.001+/-0.000 χ^2/NDF: 48423309.7/114



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: -0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

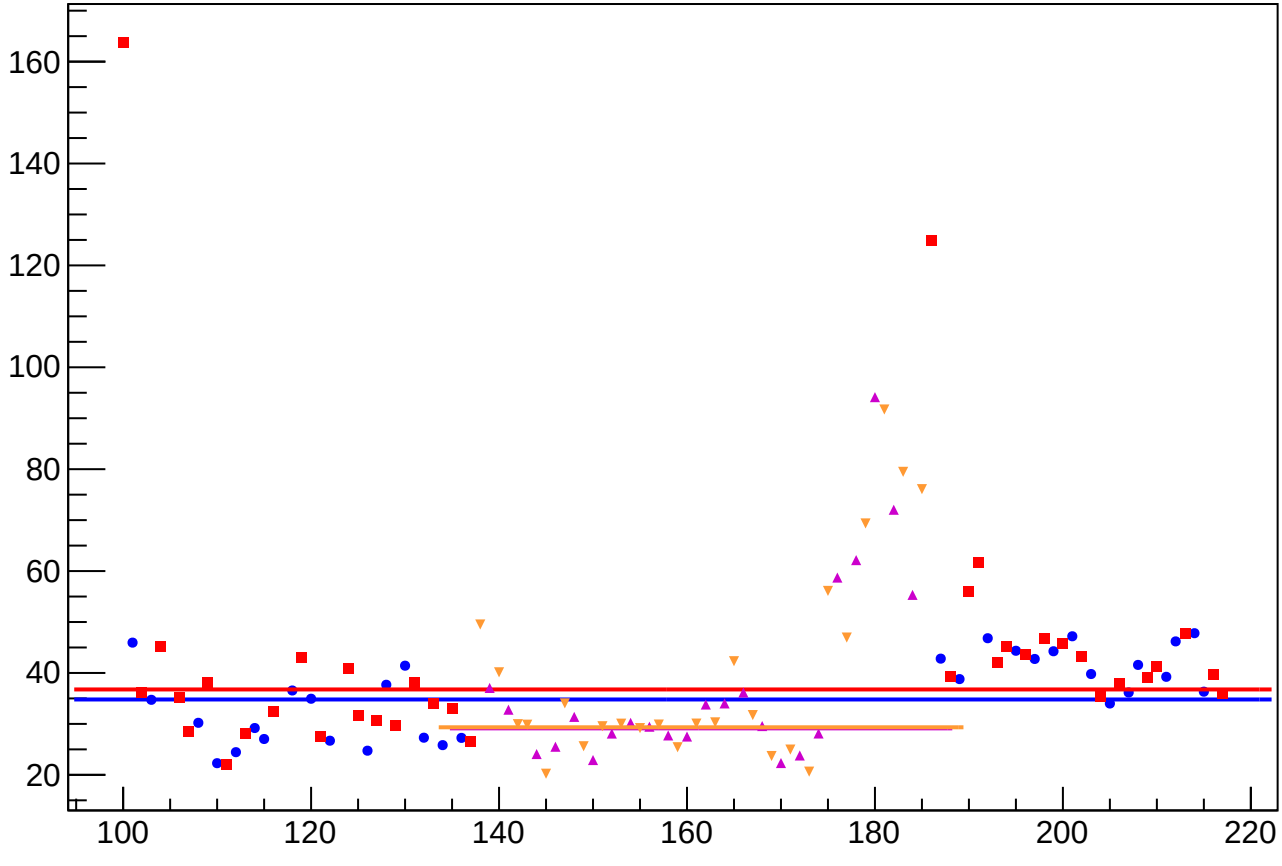
Right: -0.010+/-0.006 χ^2/NDF: 166.0/66

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: -0.001+/-0.005 χ^2/NDF:142.7/60

All: -0.000+/-0.004 χ^2/NDF: 220.2/114

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: 36.764+/-0.006 χ^2/NDF: 1924999.9/35

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

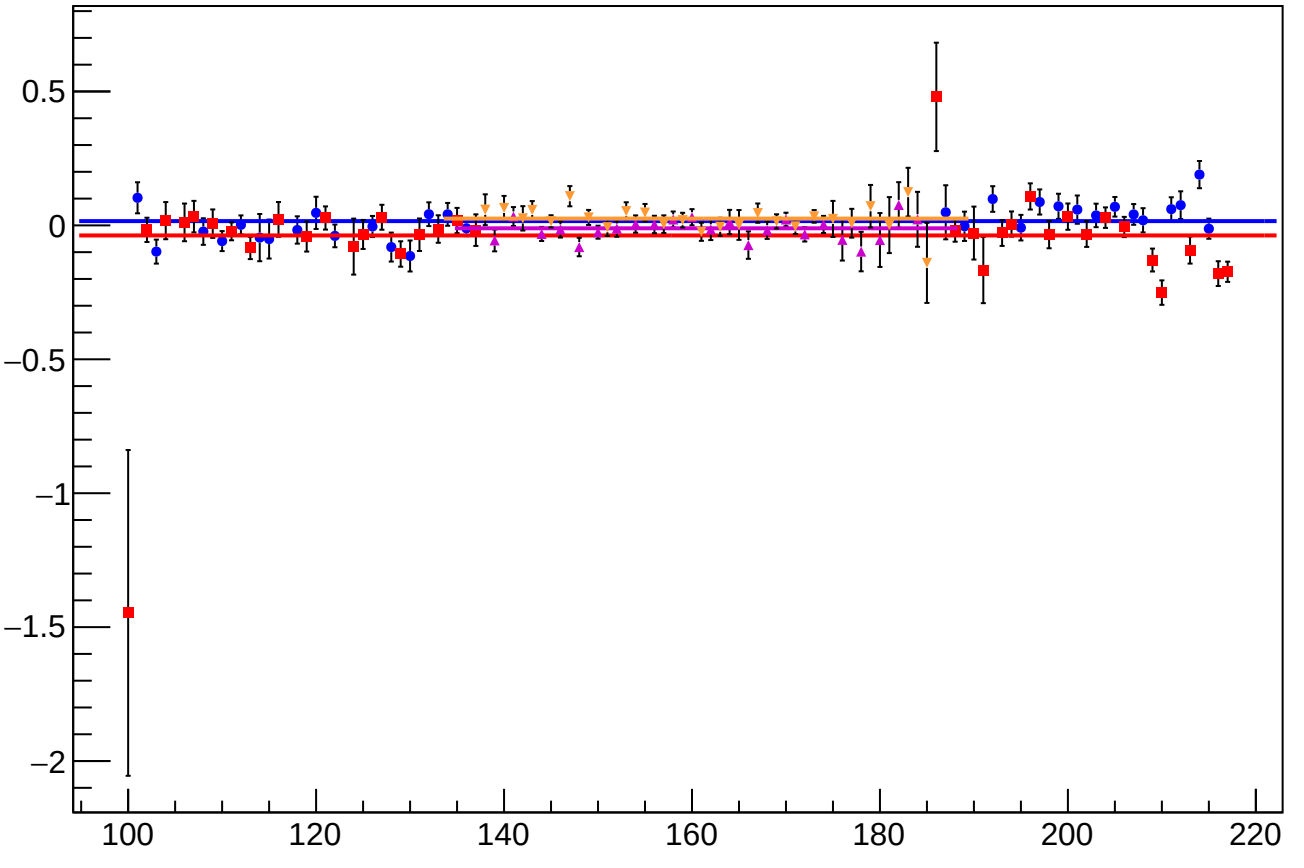
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.758+/-0.004 χ^2/NDF: 3820303.9/66

In: 31.618+/-0.004 χ^2/NDF:5209589.4/53

Out: 32.464+/-0.004 χ^2/NDF:6702197.1/60

All: 32.041+/-0.003 χ^2/NDF: 11935770.3/114



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: -0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

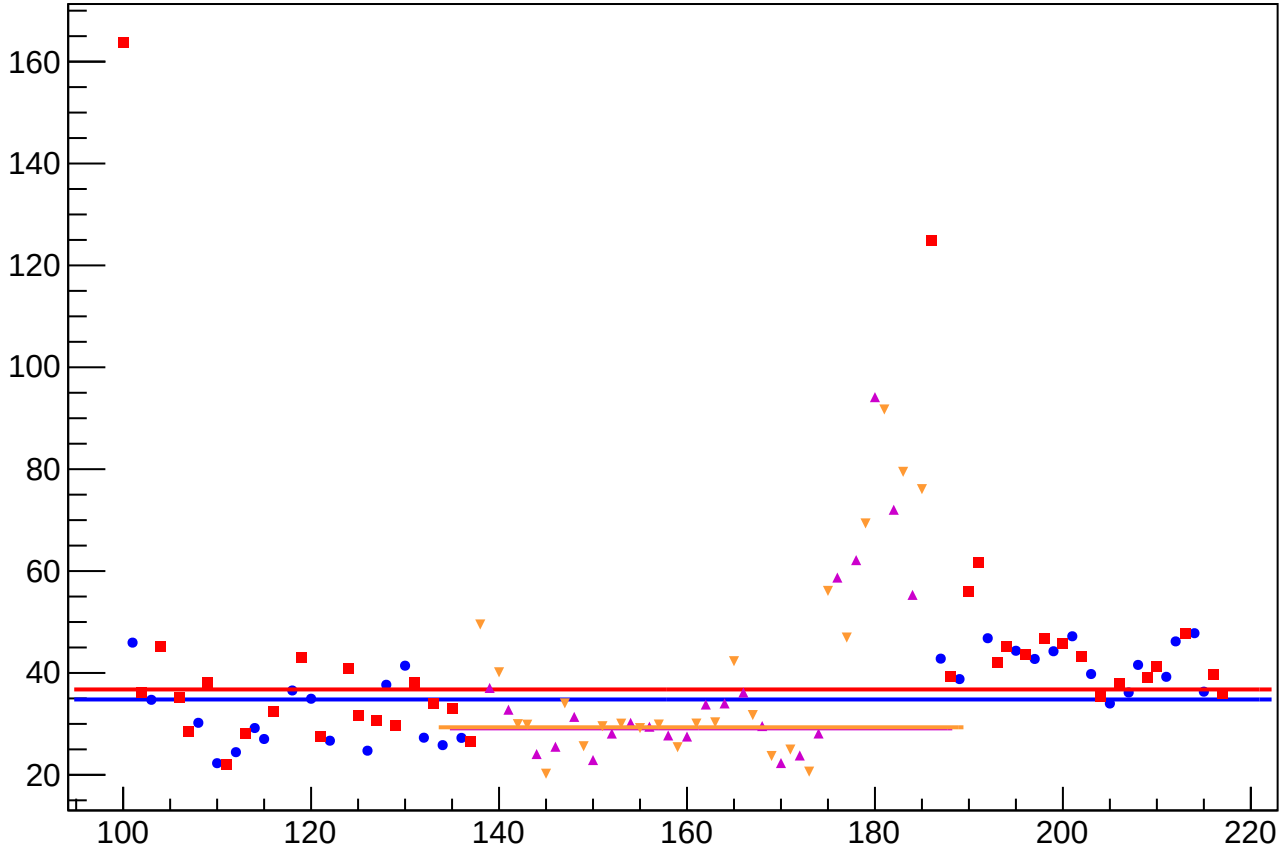
Right: -0.010+/-0.006 χ^2/NDF: 166.0/66

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: -0.001+/-0.005 χ^2/NDF:142.7/60

All: -0.000+/-0.004 χ^2/NDF: 220.2/114

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: 36.764+/-0.006 χ^2/NDF: 1924999.9/35

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

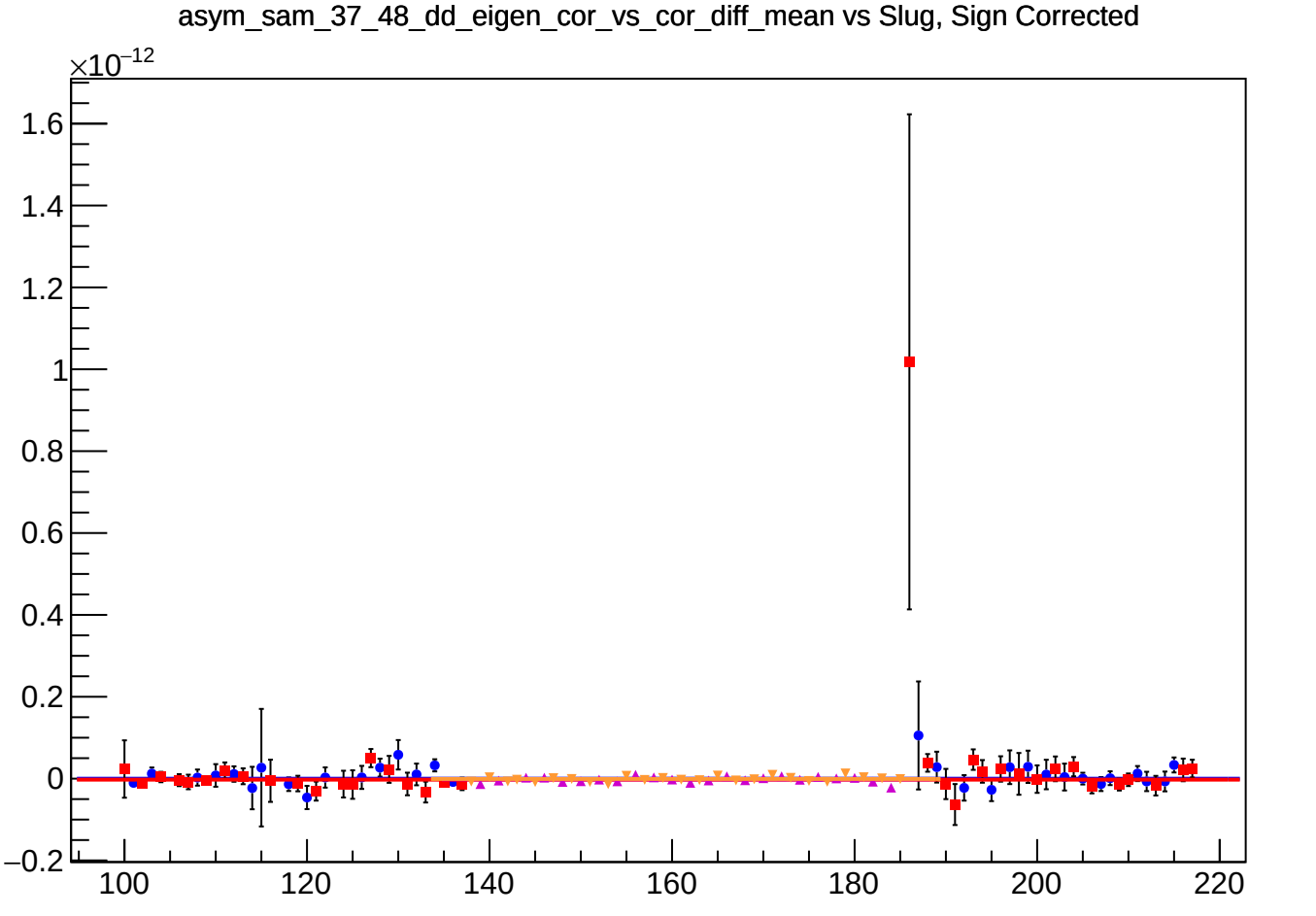
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.758+/-0.004 χ^2/NDF: 3820303.9/66

In: 31.618+/-0.004 χ^2/NDF:5209589.4/53

Out: 32.464+/-0.004 χ^2/NDF:6702197.1/60

All: 32.041+/-0.003 χ^2/NDF: 11935770.3/114



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: 33.9/35

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

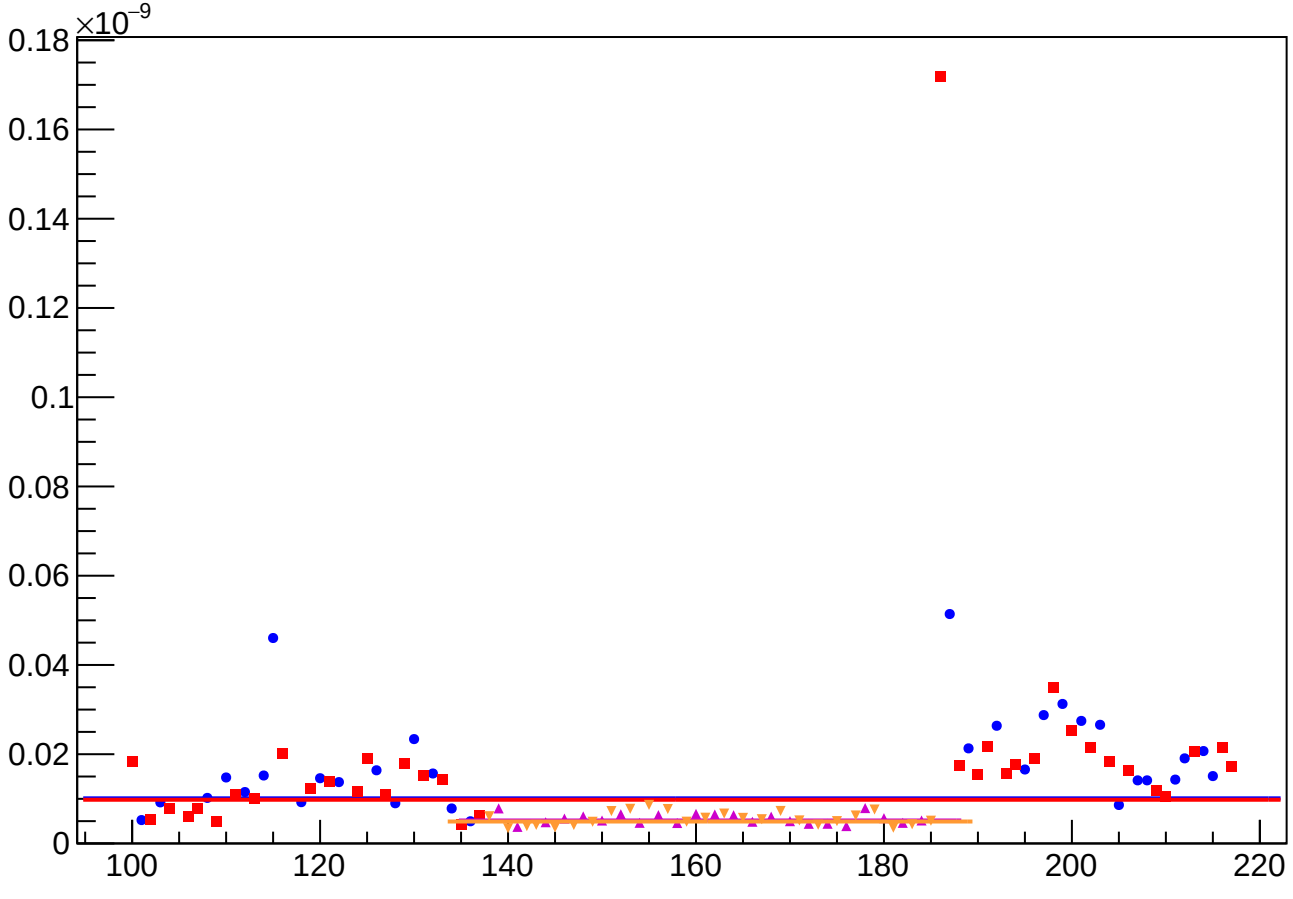
Right: -0.000+/-0.000 χ^2/NDF: 59.6/66

In: -0.000+/-0.000 χ^2/NDF:42.1/53

Out: -0.000+/-0.000 χ^2/NDF:49.2/60

All: -0.000+/-0.000 χ^2/NDF: 91.4/114

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7028737.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6766180.5/35

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

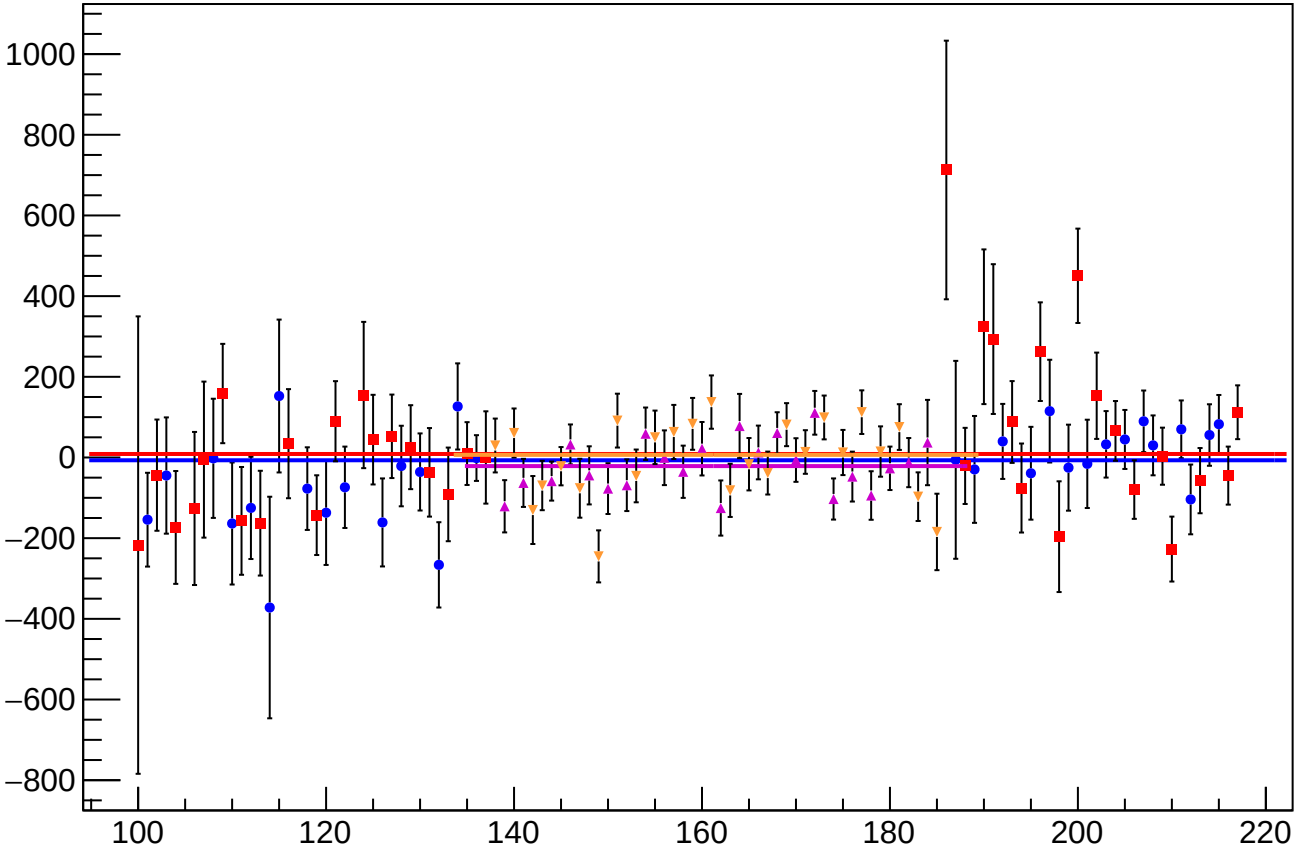
Right: 0.000+/-0.000 χ^2/NDF: 13804959.4/66

In: 0.000+/-0.000 χ^2/NDF:11919523.8/53

Out: 0.000+/-0.000 χ^2/NDF:12742990.5/60

All: 0.000+/-0.000 χ^2/NDF: 24700752.5/114

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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: 8.685+/-17.589 χ^2/NDF: 60.3/35

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

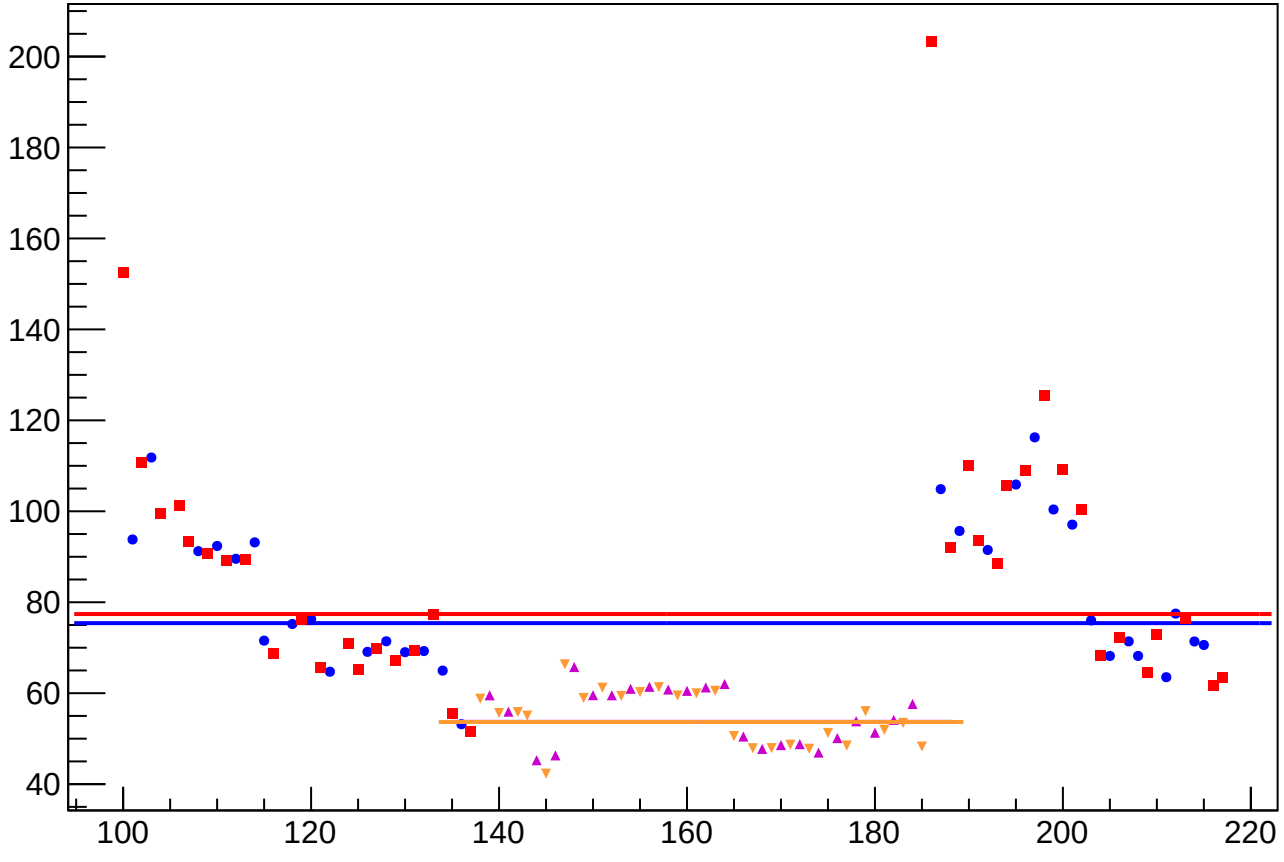
Right: 0.894+/-12.442 χ^2/NDF: 86.9/66

In: -16.422+/-10.272 χ^2/NDF:52.0/53

Out: 7.232+/-10.073 χ^2/NDF:110.9/60

All: -4.364+/-7.192 χ^2/NDF: 165.6/114

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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: 77.404+/-0.012 χ^2/NDF: 2169189.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

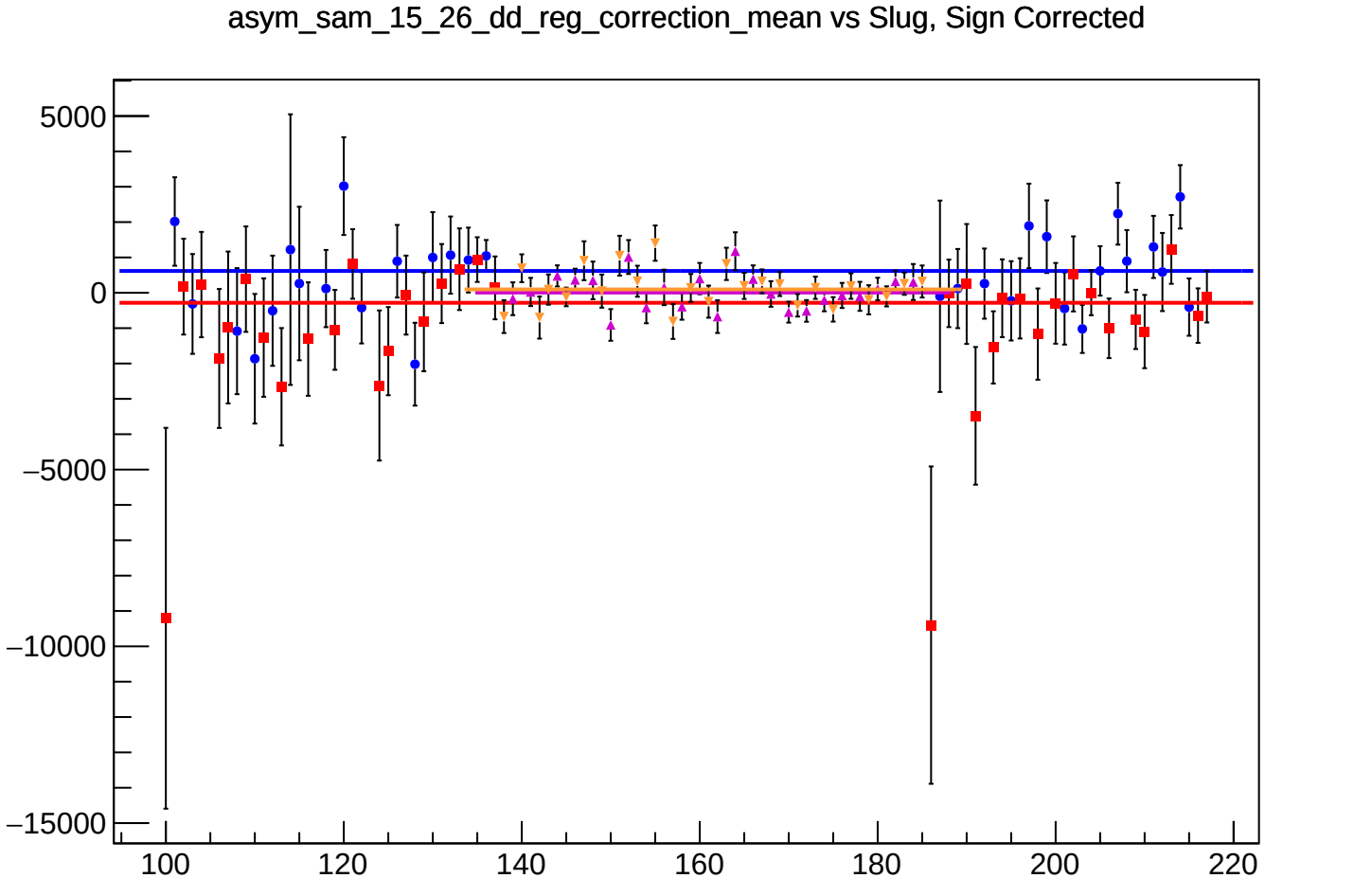
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.405+/-0.009 χ^2/NDF: 3601483.0/66

In: 61.088+/-0.007 χ^2/NDF:3896893.1/53

Out: 61.451+/-0.007 χ^2/NDF:5089571.8/60

All: 61.273+/-0.005 χ^2/NDF: 8987738.4/114



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: -282.525+/-183.216 χ^2/NDF: 30.1/35

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

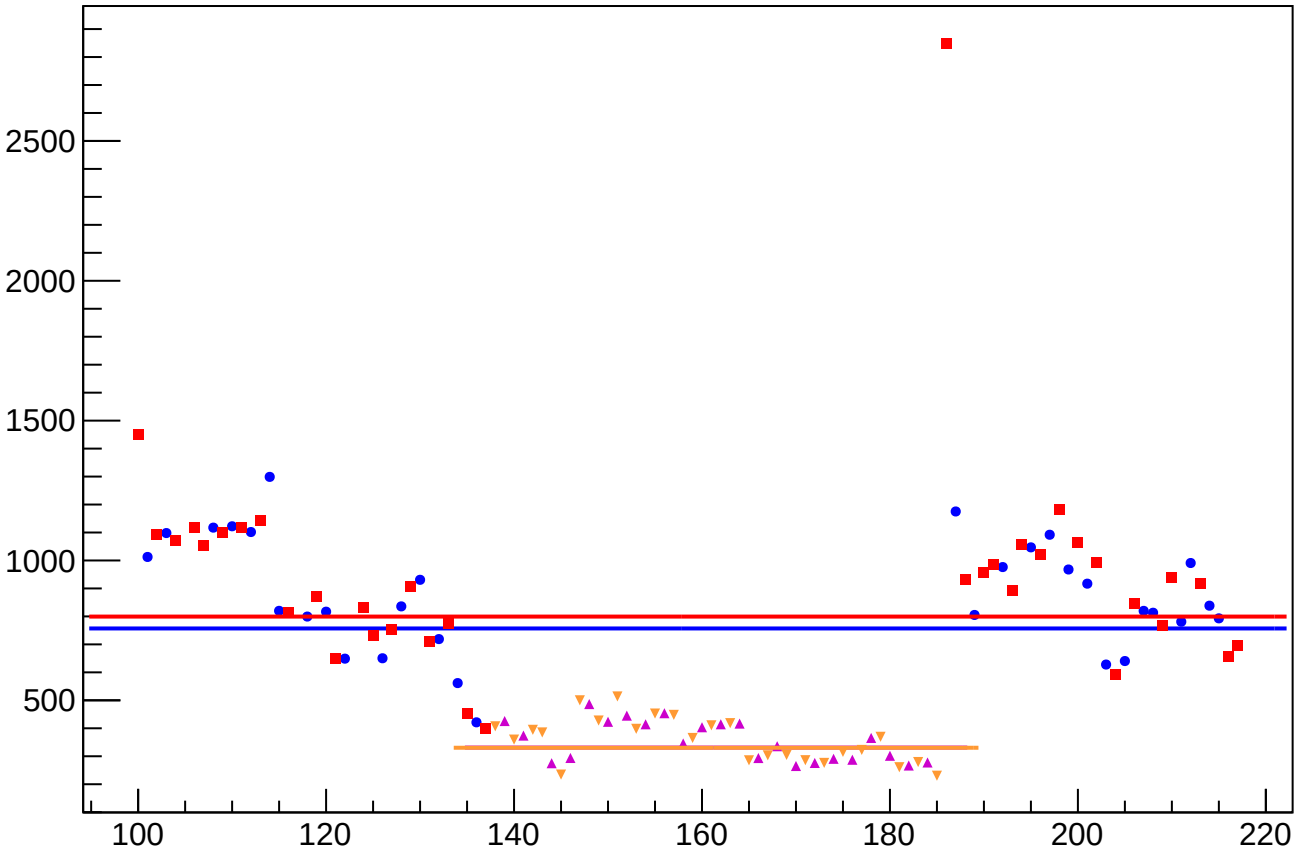
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 177.143+/-128.169 χ^2/NDF: 79.2/66

In: 107.220+/-72.394 χ^2/NDF:78.7/53

Out: 38.548+/-71.091 χ^2/NDF:66.9/60

All: 72.261+/-50.723 χ^2/NDF: 146.1/114



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: 799.401+/-0.130 χ^2/NDF: 3050835.0/35

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

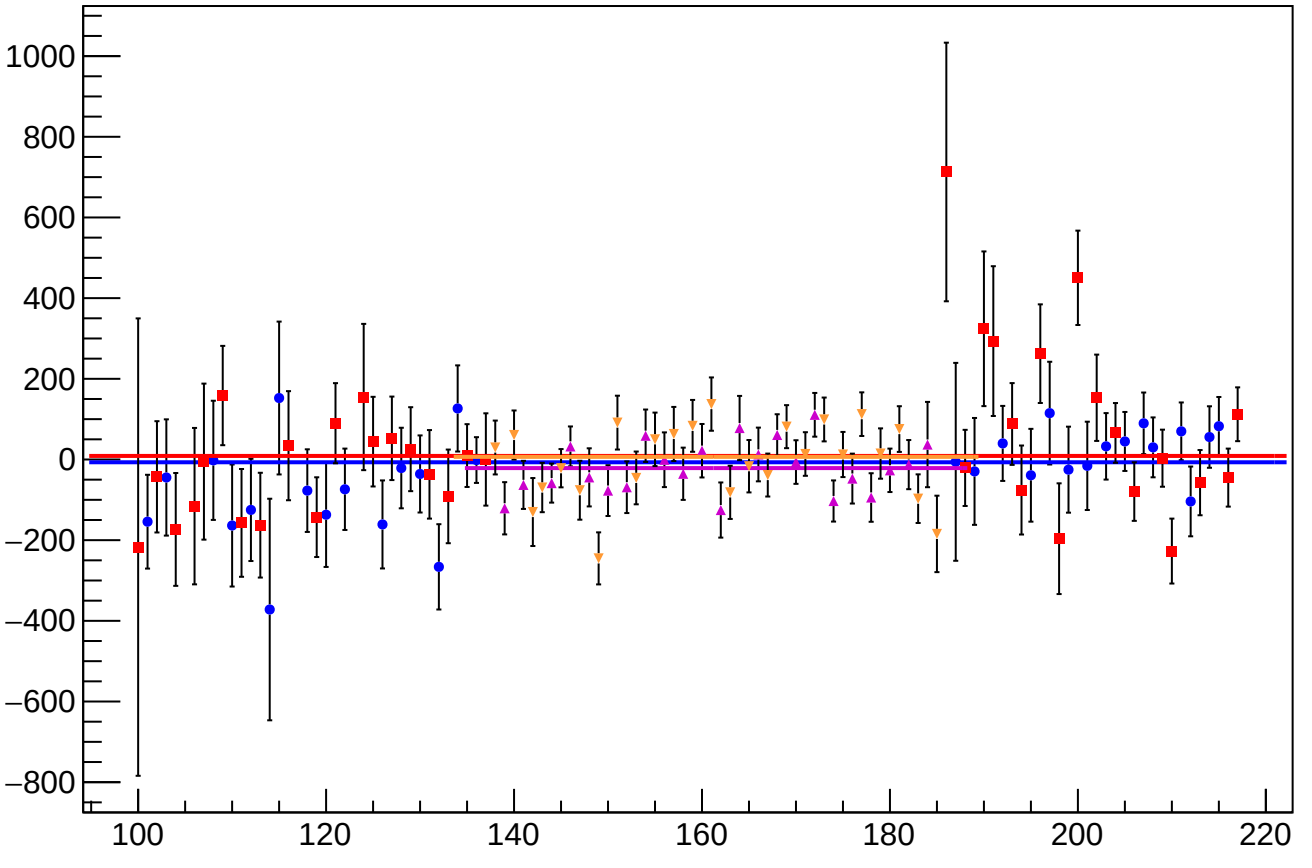
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 777.708+/-0.091 χ^2/NDF: 5743708.0/66

In: 400.435+/-0.051 χ^2/NDF:13401477.5/53

Out: 401.016+/-0.050 χ^2/NDF:15935349.2/60

All: 400.731+/-0.036 χ^2/NDF: 29336892.3/11



Right In: -6.902+/-17.602 χ^2/NDF: 26.2/30

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 8.836+/-17.593 χ^2/NDF: 60.2/35

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

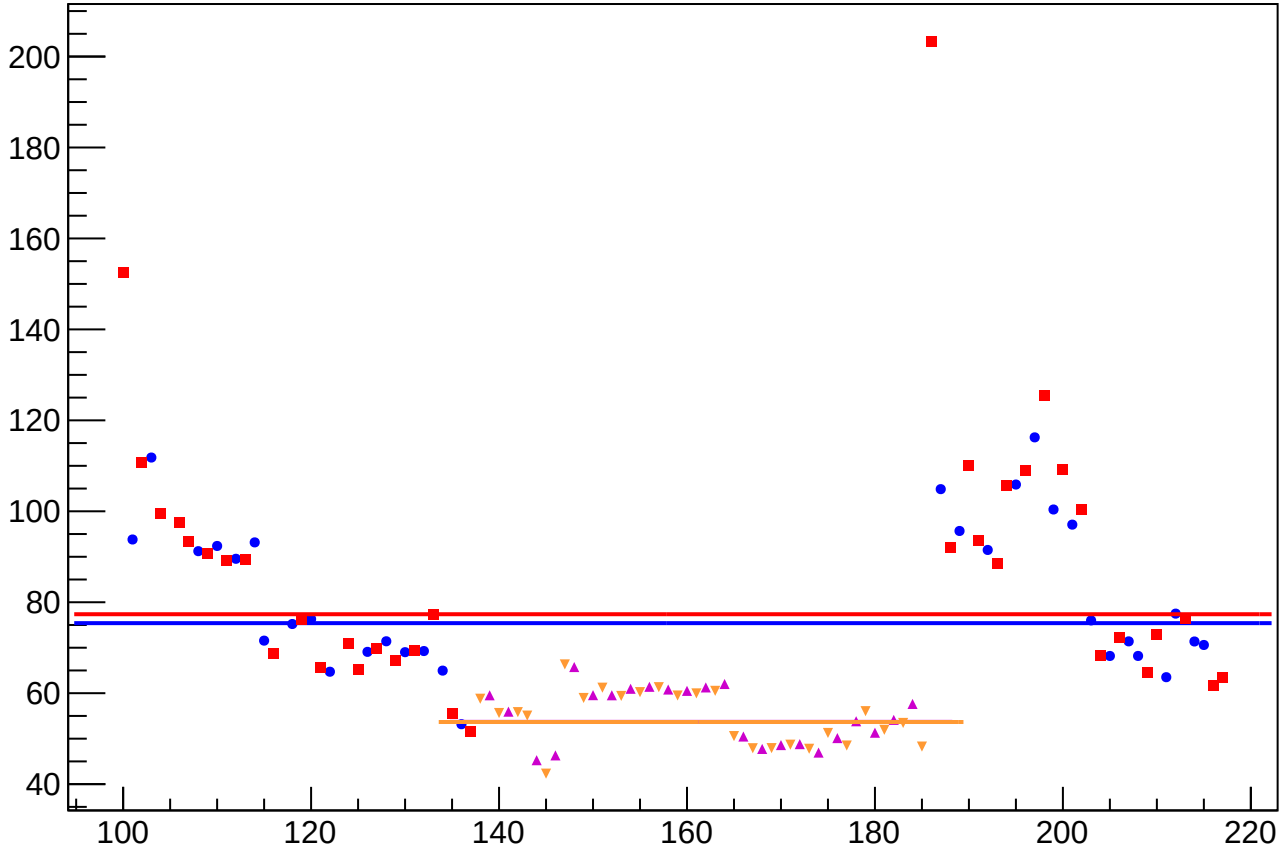
Right: 0.971+/-12.443 χ^2/NDF: 86.8/66

In: -16.420+/-10.272 χ^2/NDF:52.0/53

Out: 7.283+/-10.073 χ^2/NDF:110.8/60

All: -4.337+/-7.192 χ^2/NDF: 165.5/114

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: 77.365+/-0.012 χ^2/NDF: 2159508.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

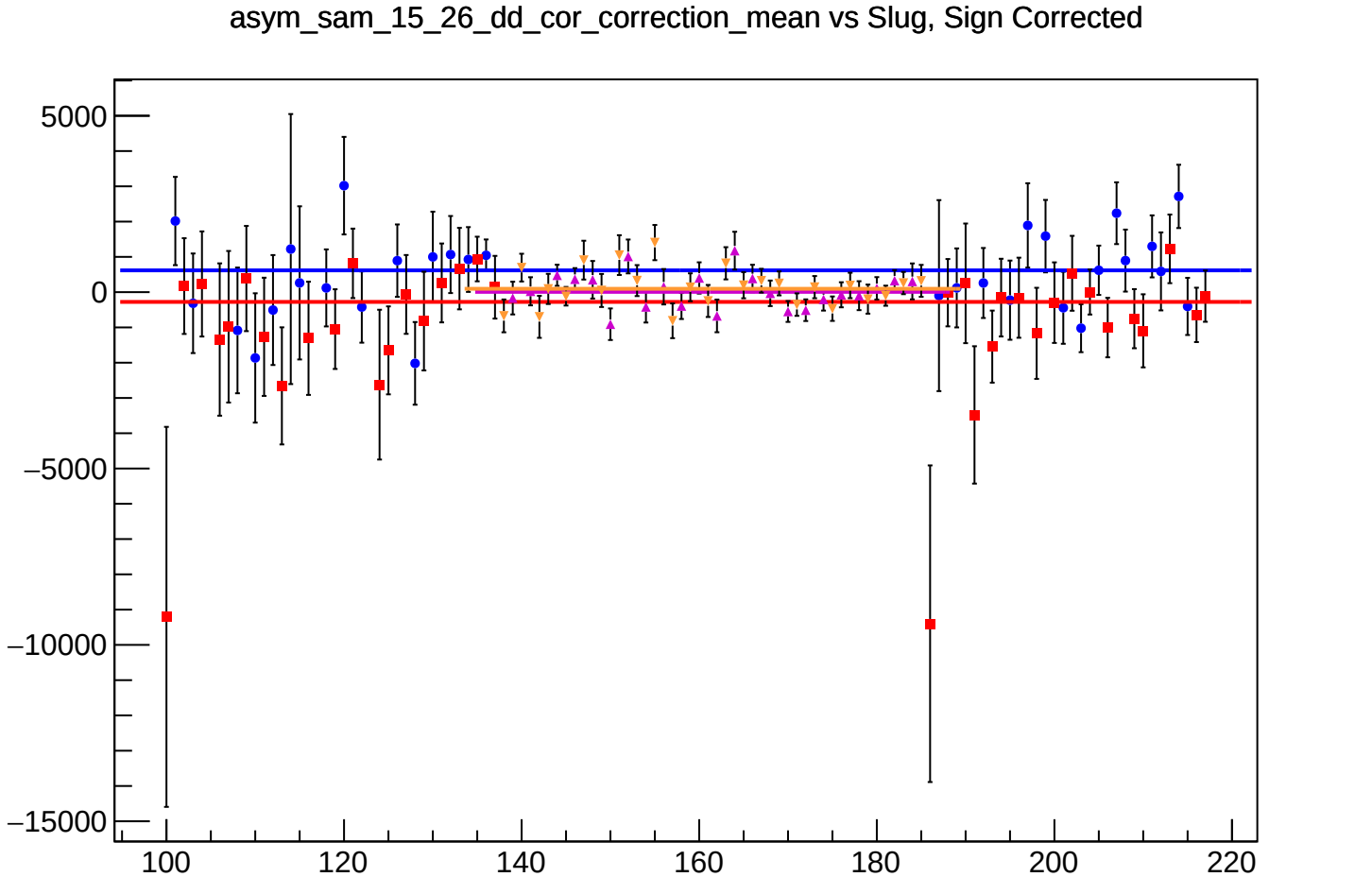
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.385+/-0.009 χ^2/NDF: 3591306.9/66

In: 61.088+/-0.007 χ^2/NDF:3896895.7/53

Out: 61.436+/-0.007 χ^2/NDF:5071289.9/60

All: 61.265+/-0.005 χ^2/NDF: 8969358.0/114



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: -276.534+/-183.355 χ^2/NDF: 29.7/35

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

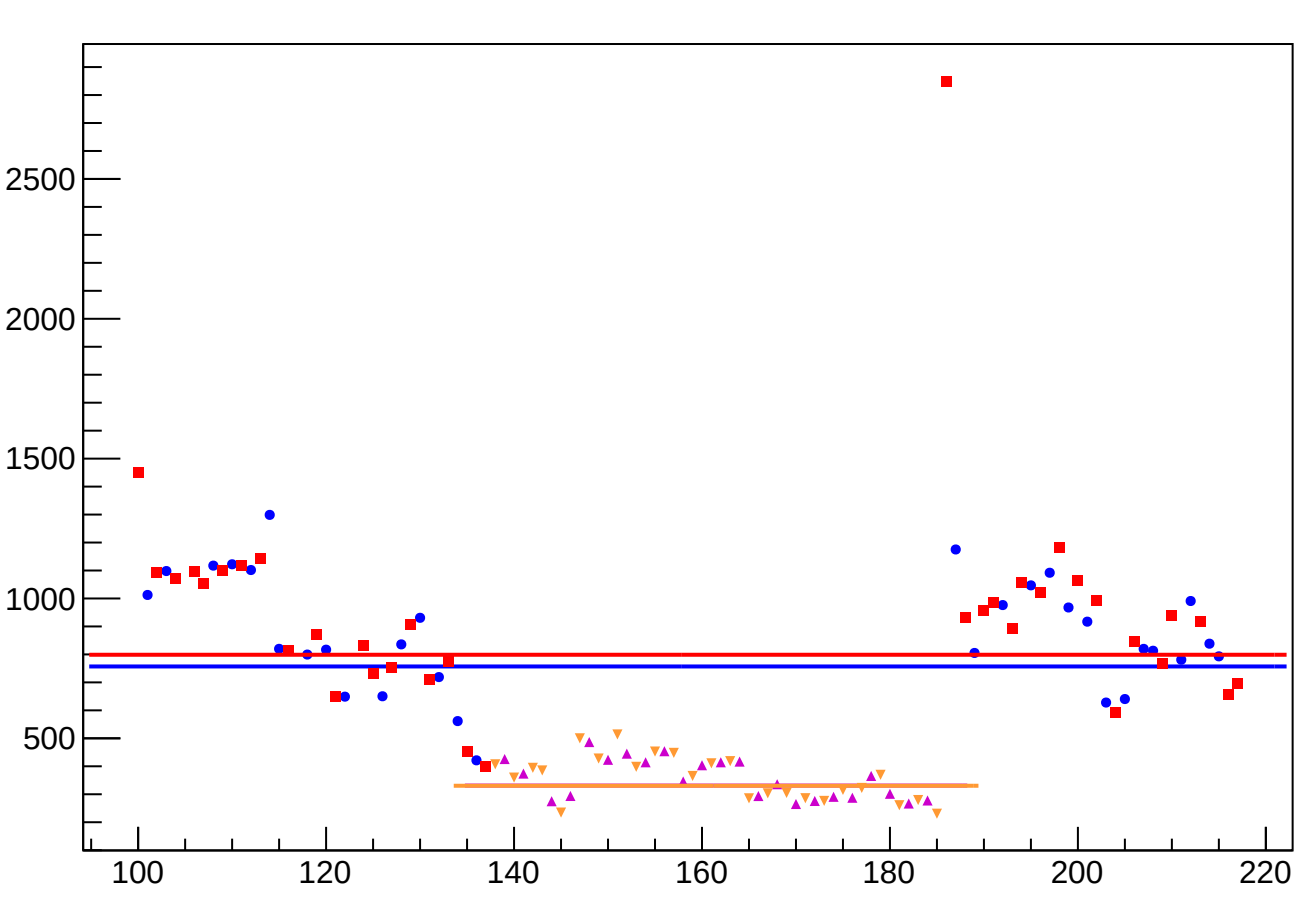
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 180.411+/-128.216 χ^2/NDF: 78.6/66

In: 107.216+/-72.394 χ^2/NDF:78.7/53

Out: 39.524+/-71.099 χ^2/NDF:66.4/60

All: 72.760+/-50.726 χ^2/NDF: 145.5/114



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: 798.767+/-0.130 χ^2/NDF: 3036110.9/35

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

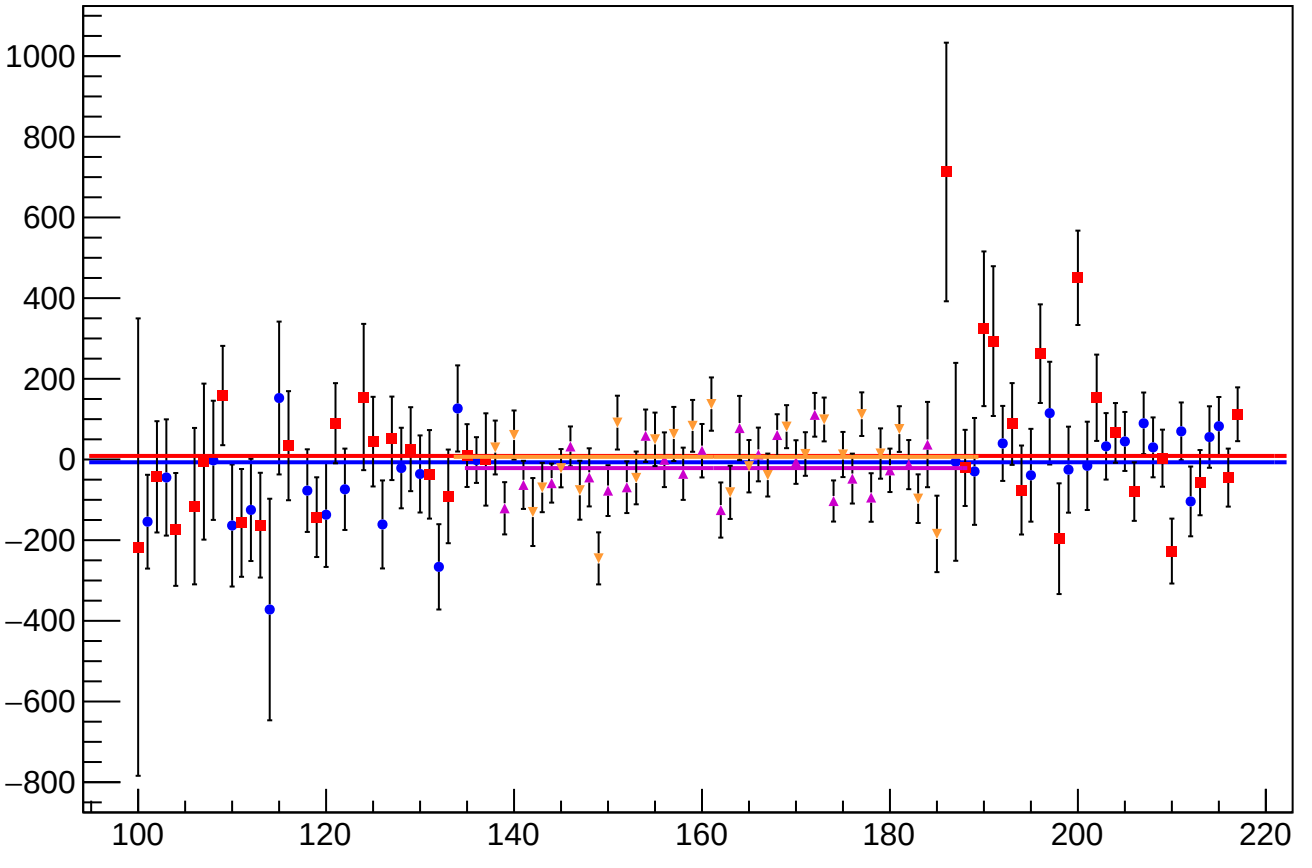
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 777.382+/-0.091 χ^2/NDF: 5727339.1/66

In: 400.435+/-0.051 χ^2/NDF:13401512.2/53

Out: 400.830+/-0.050 χ^2/NDF:15876294.8/60

All: 400.636+/-0.036 χ^2/NDF: 29277837.2/11



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: 8.836+/-17.593 χ^2/NDF: 60.2/35

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

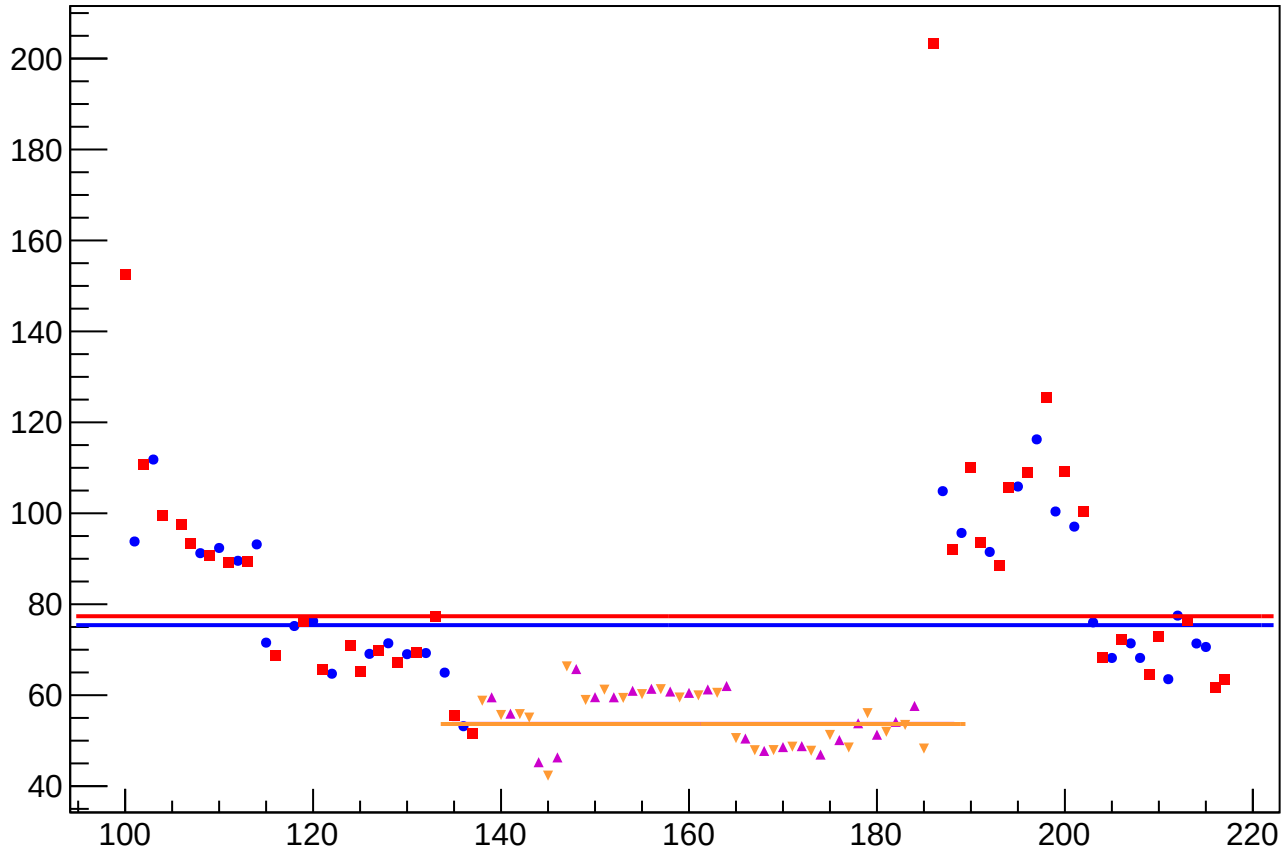
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: 0.971+/-12.443 χ^2/NDF: 86.8/66

In: -16.420+/-10.272 χ^2/NDF:52.0/53

Out: 7.283+/-10.073 χ^2/NDF:110.8/60

All: -4.337+/-7.192 χ^2/NDF: 165.5/114



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: 77.365+/-0.012 χ^2/NDF: 2159508.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

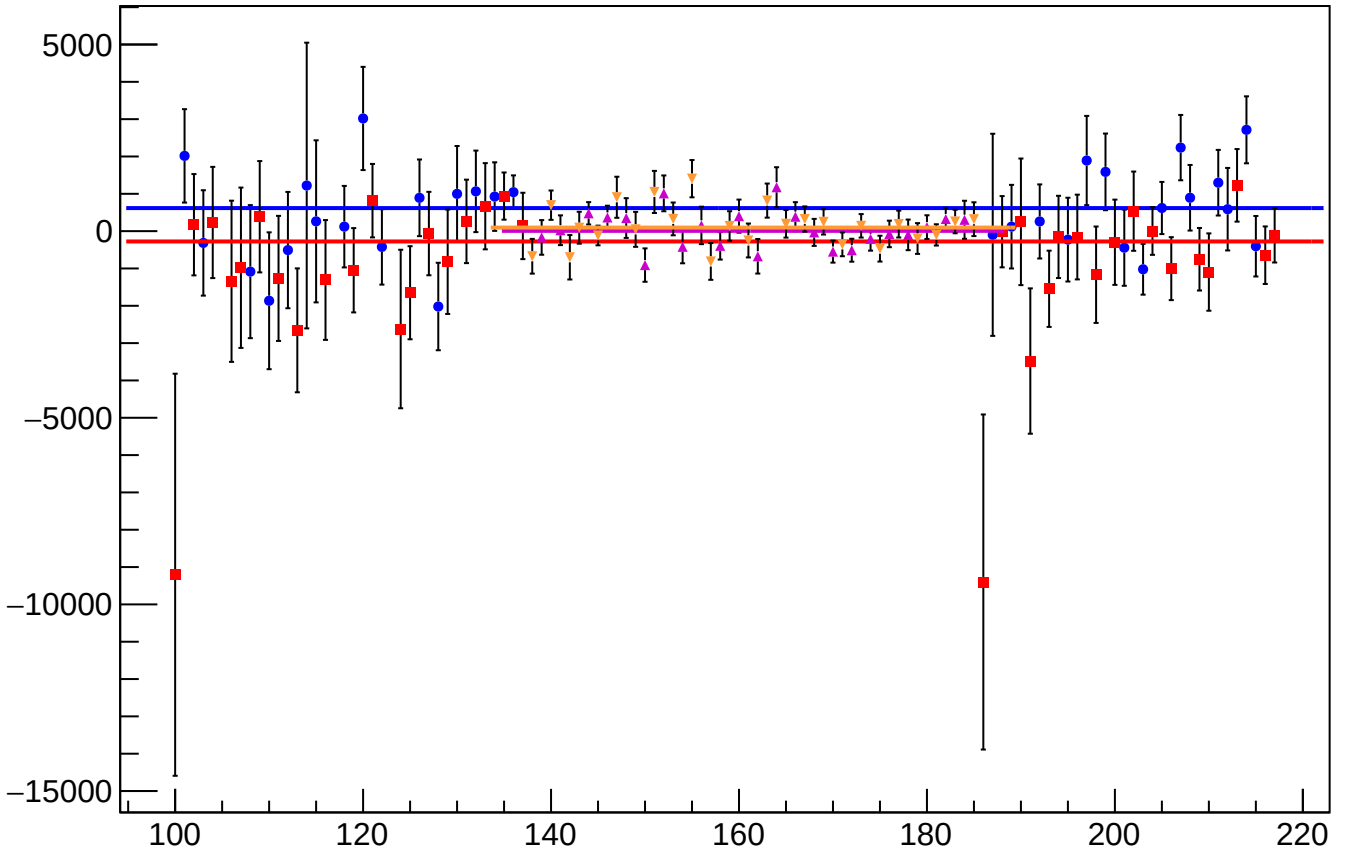
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.385+/-0.009 χ^2/NDF: 3591306.9/66

In: 61.088+/-0.007 χ^2/NDF:3896895.7/53

Out: 61.436+/-0.007 χ^2/NDF:5071289.9/60

All: 61.265+/-0.005 χ^2/NDF: 8969358.0/114



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: -276.534+/-183.355 χ^2/NDF: 29.7/35

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

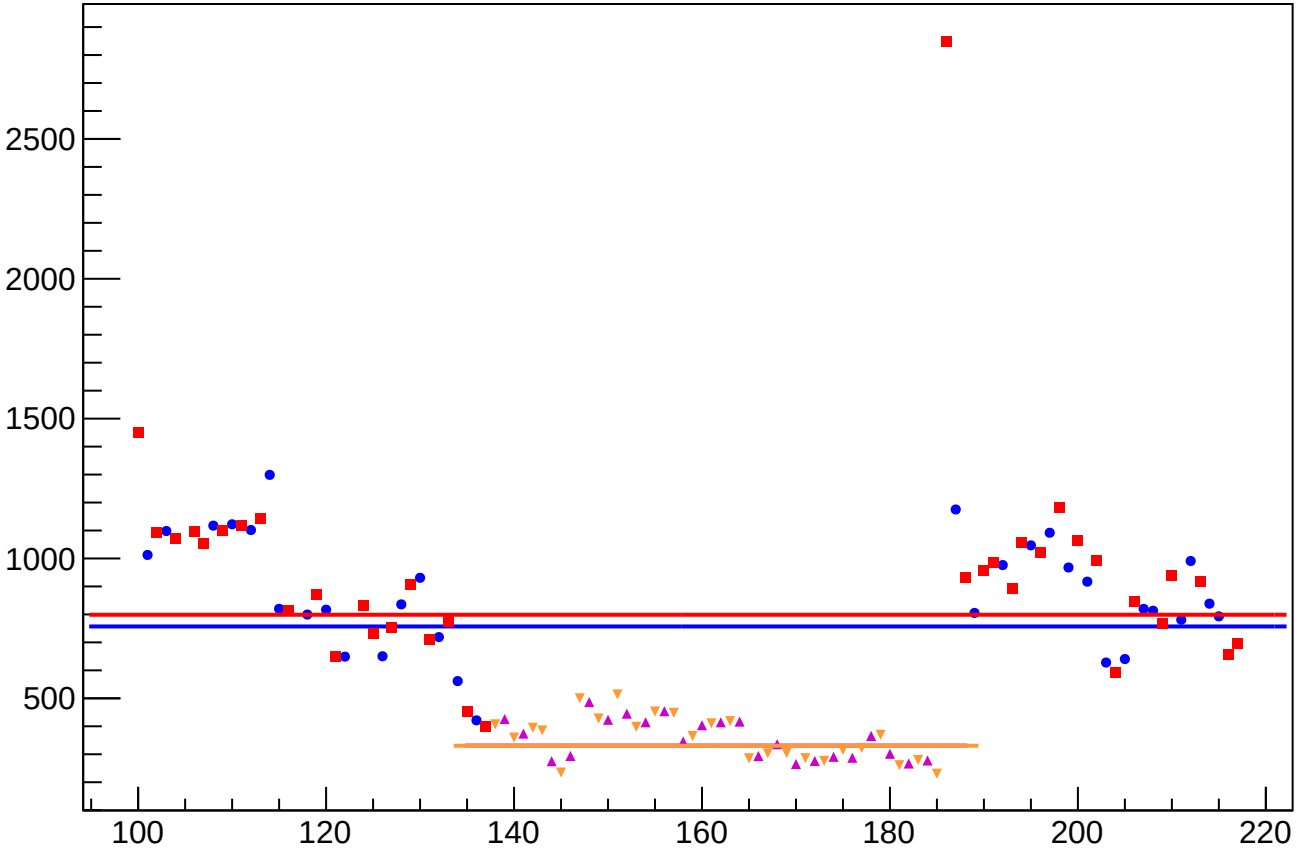
Right: 180.411+/-128.216 χ^2/NDF: 78.6/66

In: 107.216+/-72.394 χ^2/NDF:78.7/53

Out: 39.524+/-71.099 χ^2/NDF:66.4/60

All: 72.760+/-50.726 χ^2/NDF: 145.5/114

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: 798.767+/-0.130 χ^2/NDF: 3036110.9/35

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

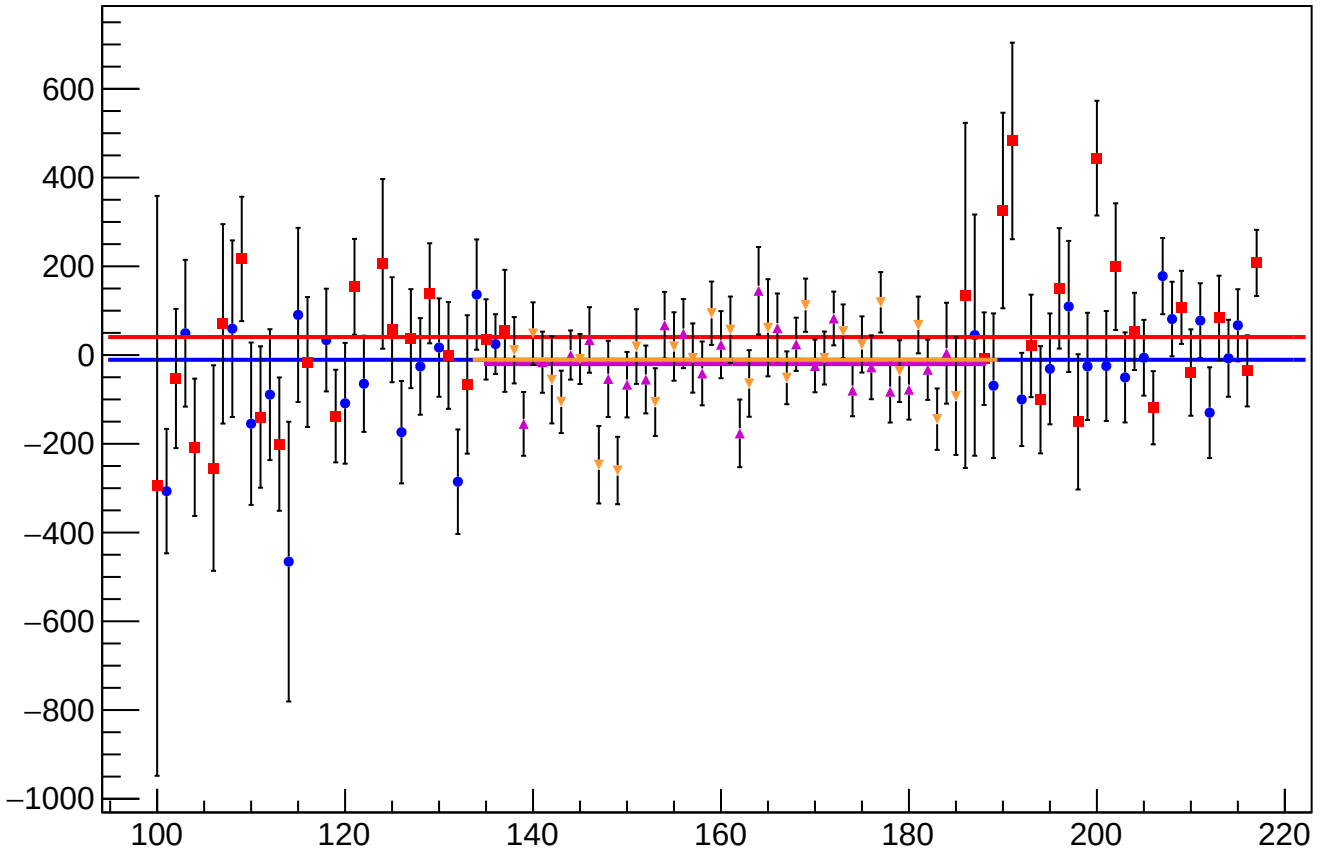
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 777.382+/-0.091 χ^2/NDF: 5727339.1/66

In: 400.435+/-0.051 χ^2/NDF:13401512.2/53

Out: 400.830+/-0.050 χ^2/NDF:15876294.8/60

All: 400.636+/-0.036 χ^2/NDF: 29277837.2/11



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: 40.640+/-20.033 χ^2/NDF: 48.3/35

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

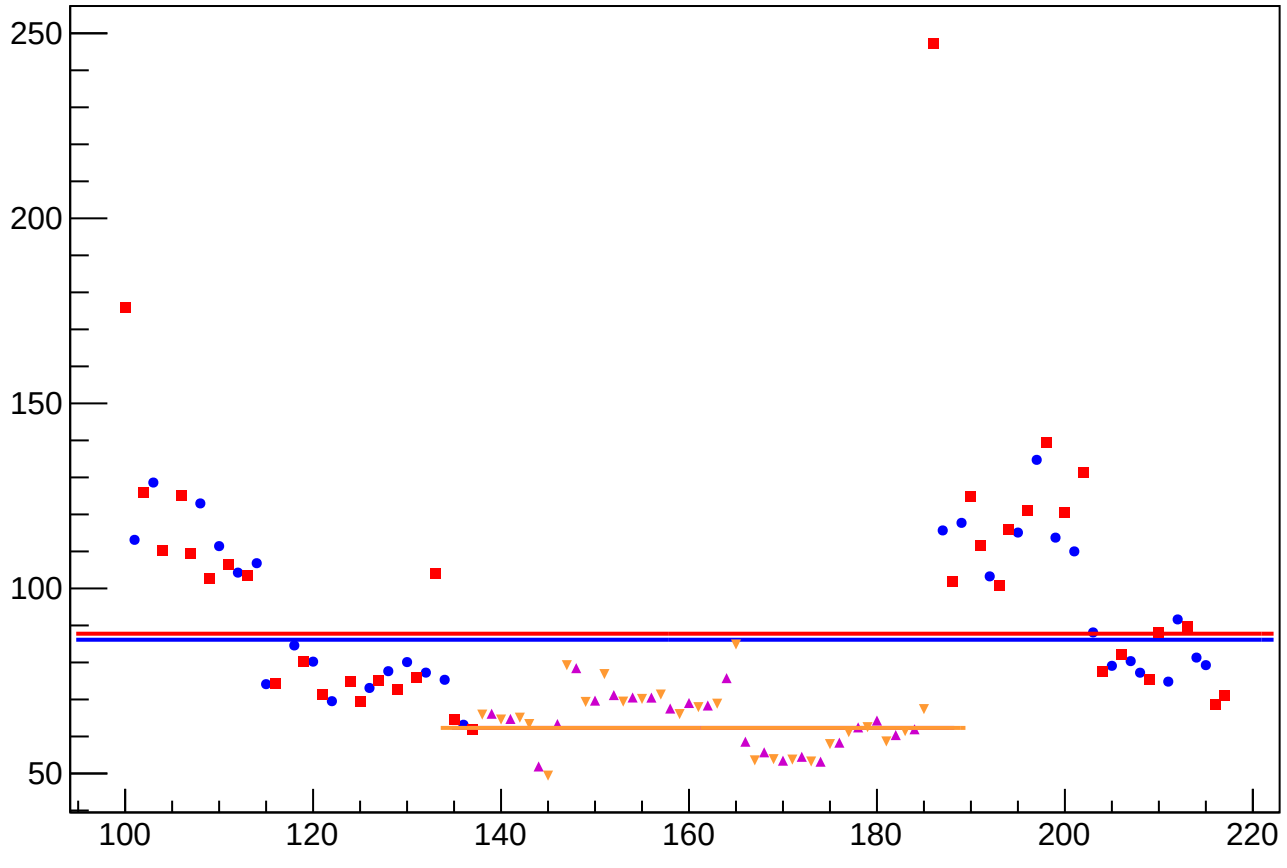
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 15.204+/-14.219 χ^2/NDF: 80.8/66

In: -16.935+/-11.909 χ^2/NDF:51.1/53

Out: 6.704+/-11.645 χ^2/NDF:94.8/60

All: -4.850+/-8.326 χ^2/NDF: 147.9/114



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: 87.770+/-0.014 χ^2/NDF: 2324865.8/35

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

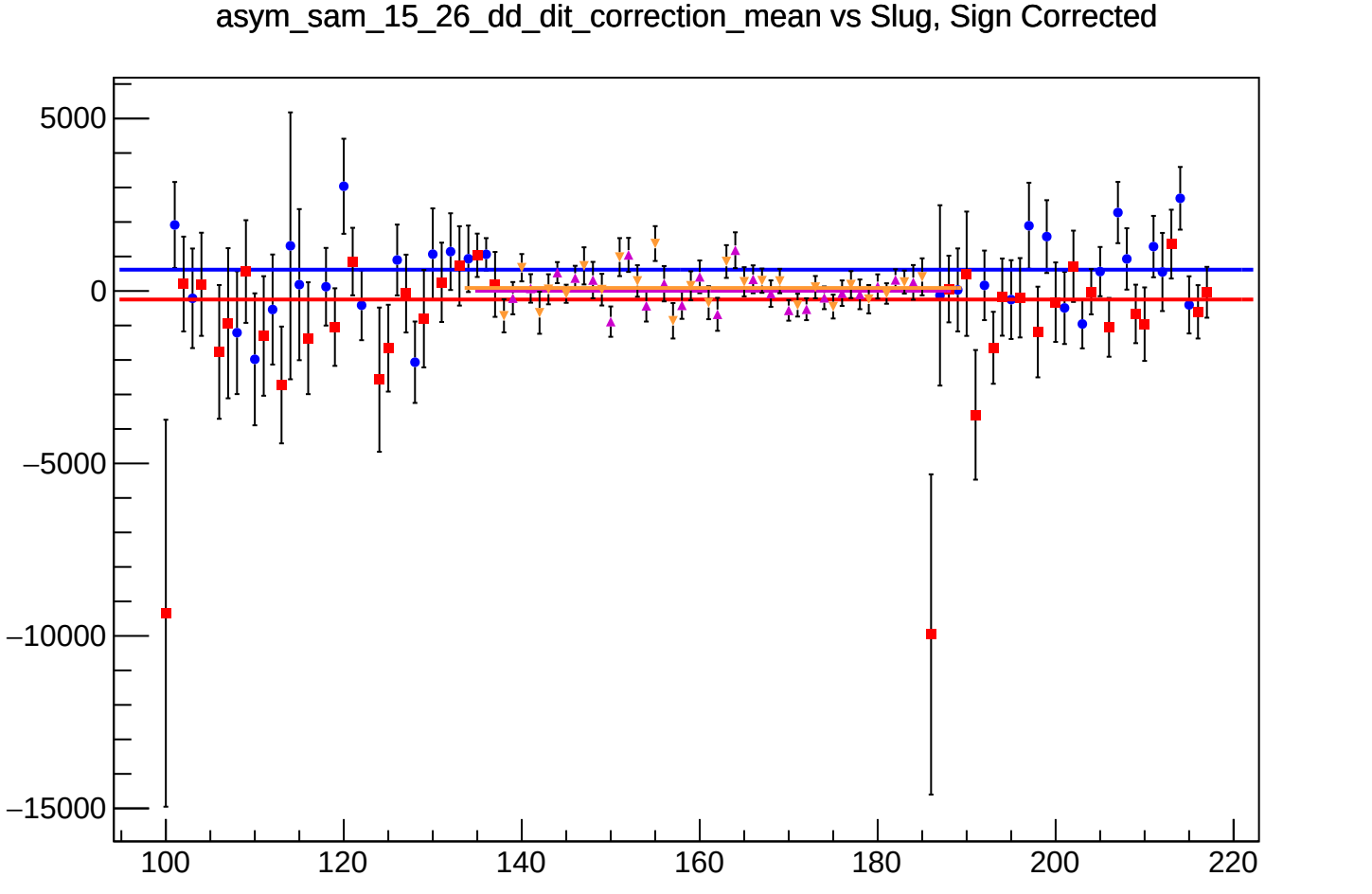
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 86.961+/-0.010 χ^2/NDF: 3807132.6/66

In: 70.605+/-0.008 χ^2/NDF:3777222.6/53

Out: 70.917+/-0.008 χ^2/NDF:5098937.0/60

All: 70.764+/-0.006 χ^2/NDF: 8876859.1/114



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: -247.191+/-185.400 χ^2/NDF: 32.1/35

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

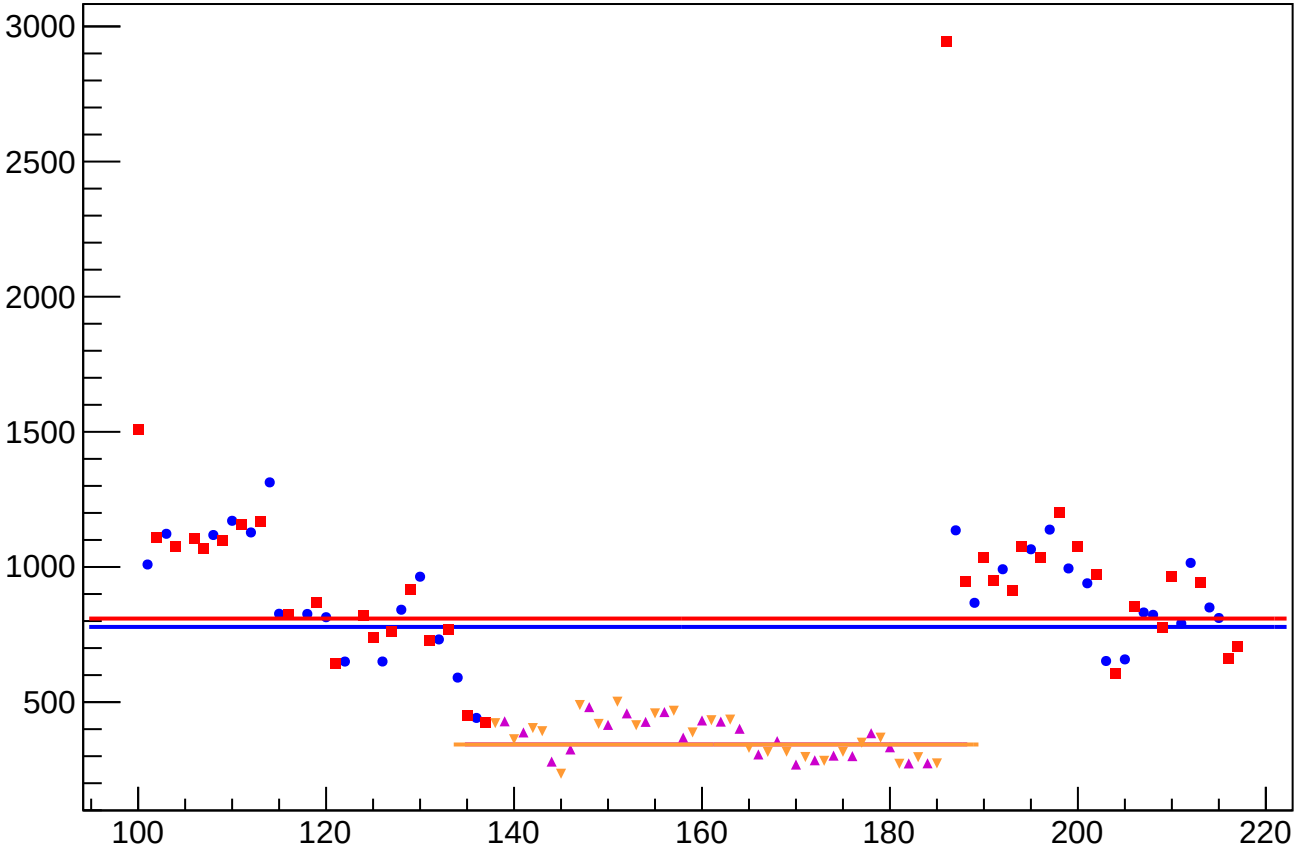
Right: 188.603+/-130.568 χ^2/NDF: 78.8/66

In: 108.036+/-74.977 χ^2/NDF:77.4/53

Out: 34.711+/-73.327 χ^2/NDF:66.5/60

All: 70.558+/-52.424 χ^2/NDF: 144.4/114

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



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: 809.199+/-0.131 χ^2/NDF: 3045448.0/35

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

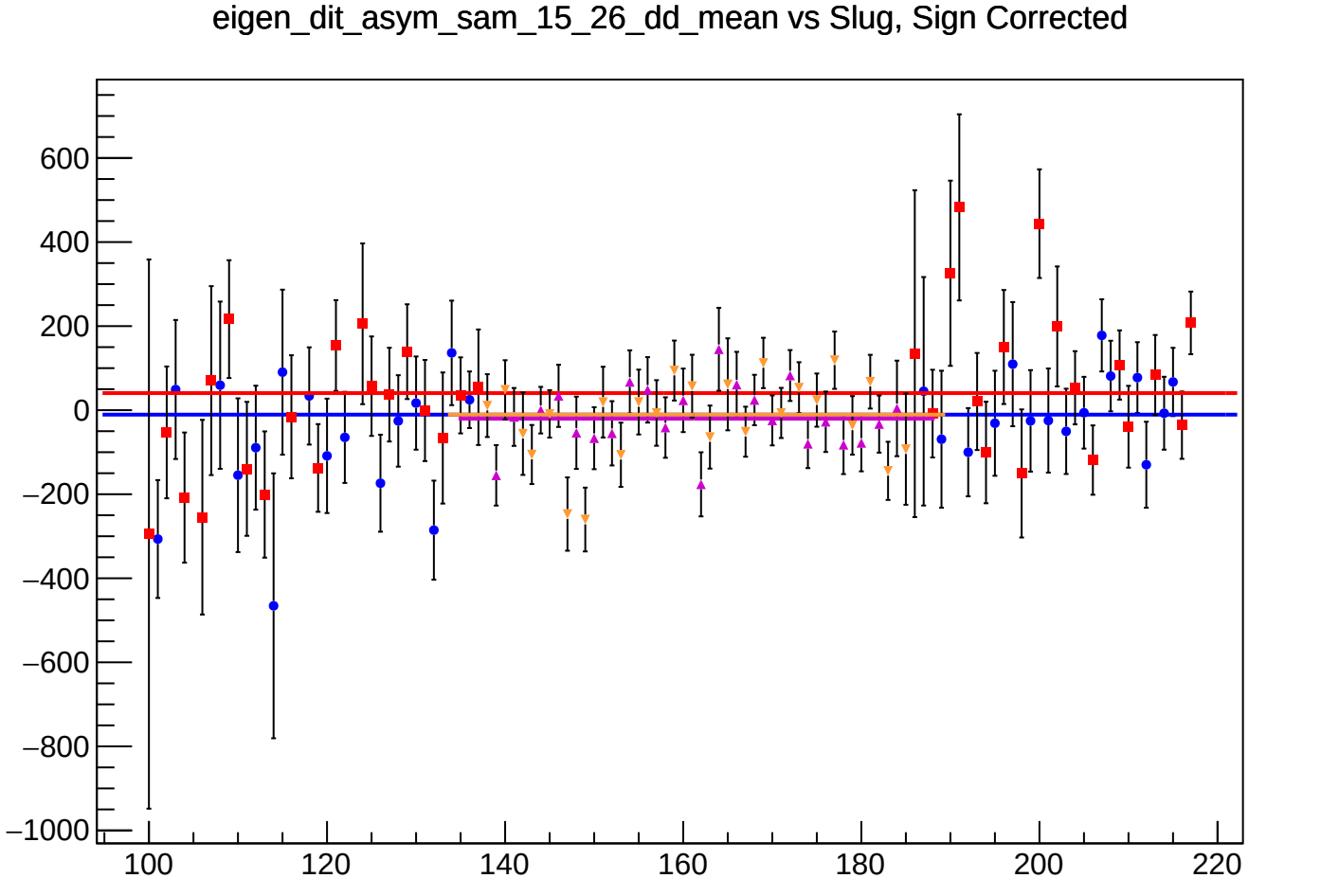
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 793.578+/-0.092 χ^2/NDF: 5566796.9/66

In: 415.930+/-0.053 χ^2/NDF:13058965.7/53

Out: 416.115+/-0.052 χ^2/NDF:15298436.0/60

All: 416.025+/-0.037 χ^2/NDF: 28357408.0/11



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: 40.640+/-20.033 χ^2/NDF: 48.3/35

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

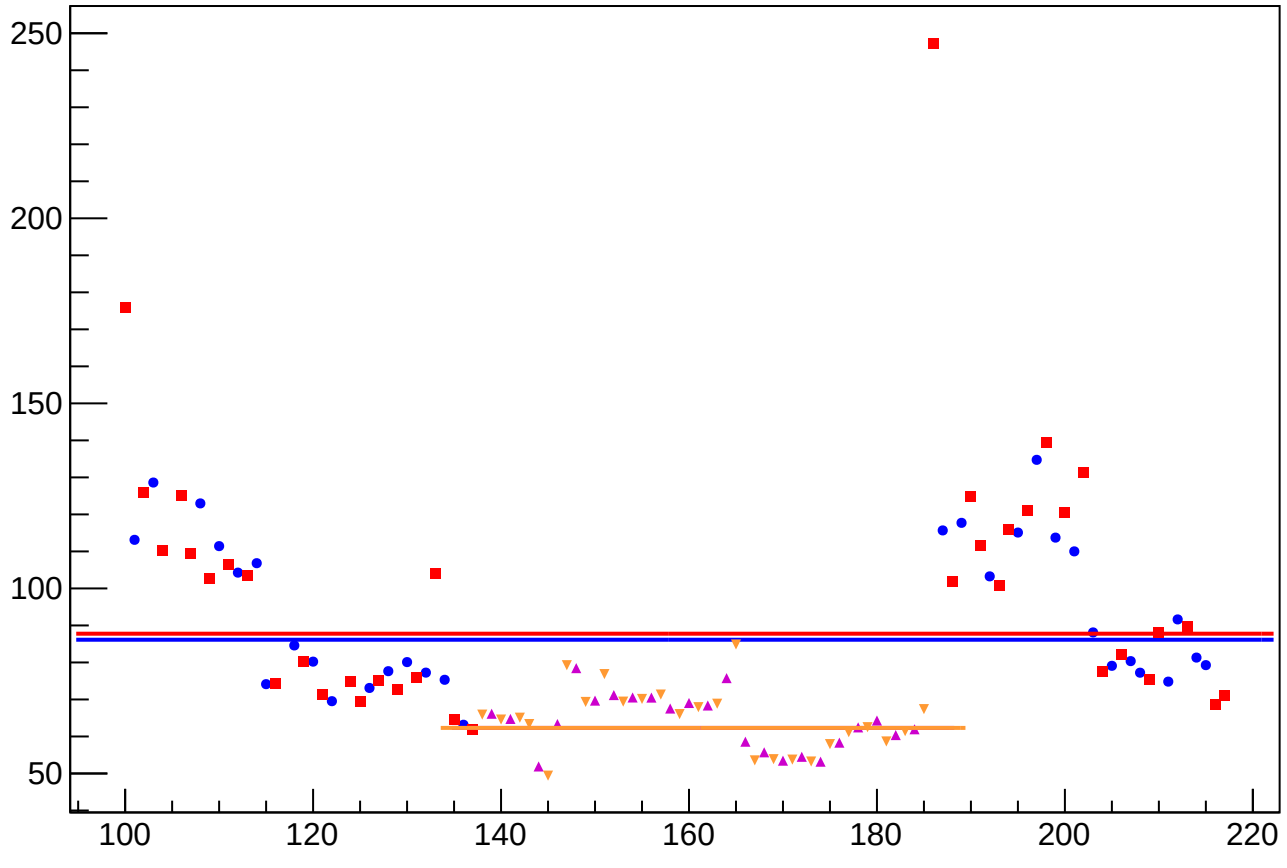
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 15.203+/-14.219 χ^2/NDF: 80.8/66

In: -16.935+/-11.909 χ^2/NDF:51.1/53

Out: 6.705+/-11.645 χ^2/NDF:94.8/60

All: -4.850+/-8.326 χ^2/NDF: 147.9/114



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: 87.769+/-0.014 χ^2/NDF: 2324855.4/35

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

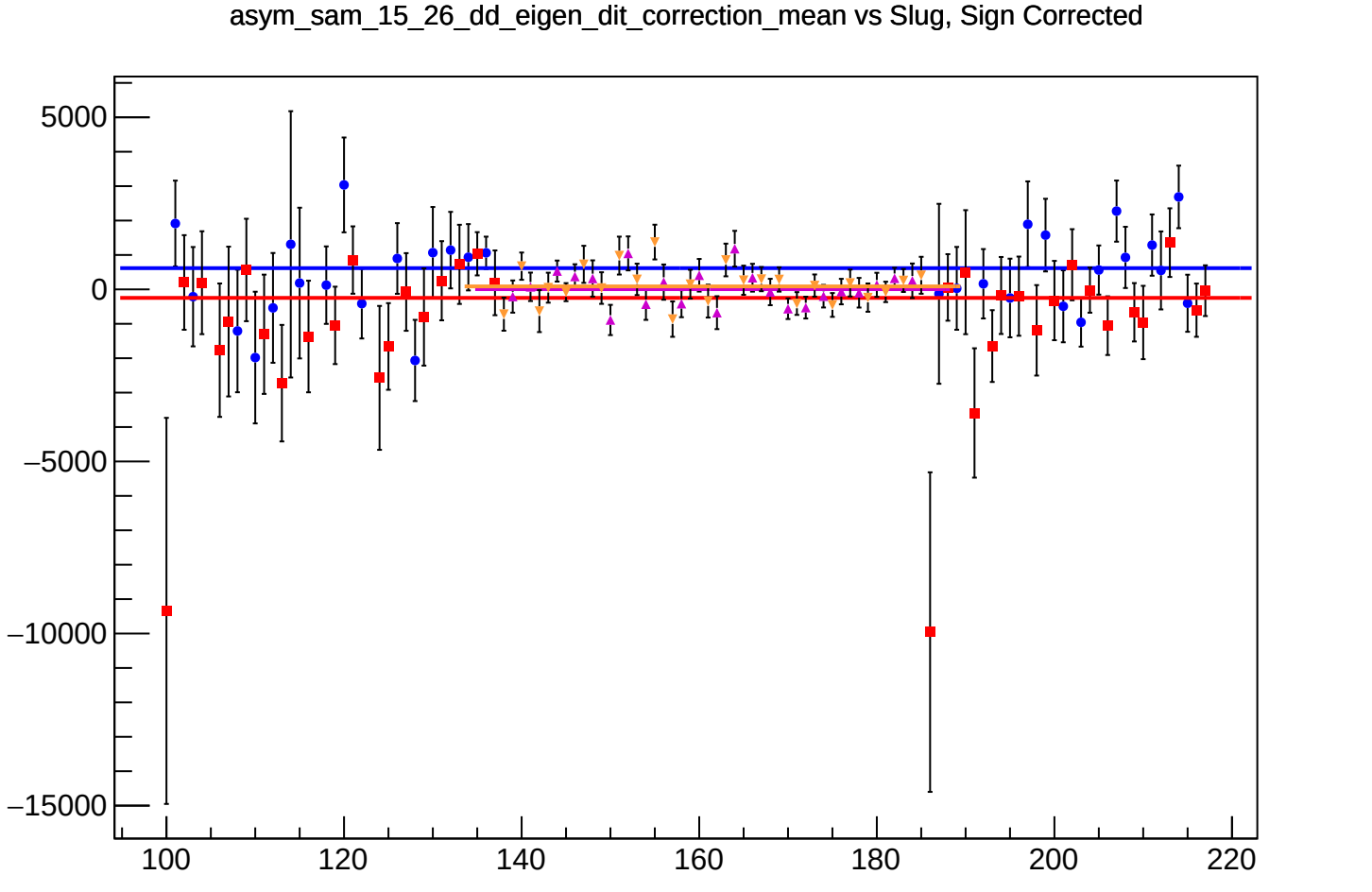
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 86.960+/-0.010 χ^2/NDF: 3807135.2/66

In: 70.605+/-0.008 χ^2/NDF:3777173.9/53

Out: 70.917+/-0.008 χ^2/NDF:5098905.9/60

All: 70.764+/-0.006 χ^2/NDF: 8876778.9/114



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: -247.192+/-185.400 χ^2/NDF: 32.1/35

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

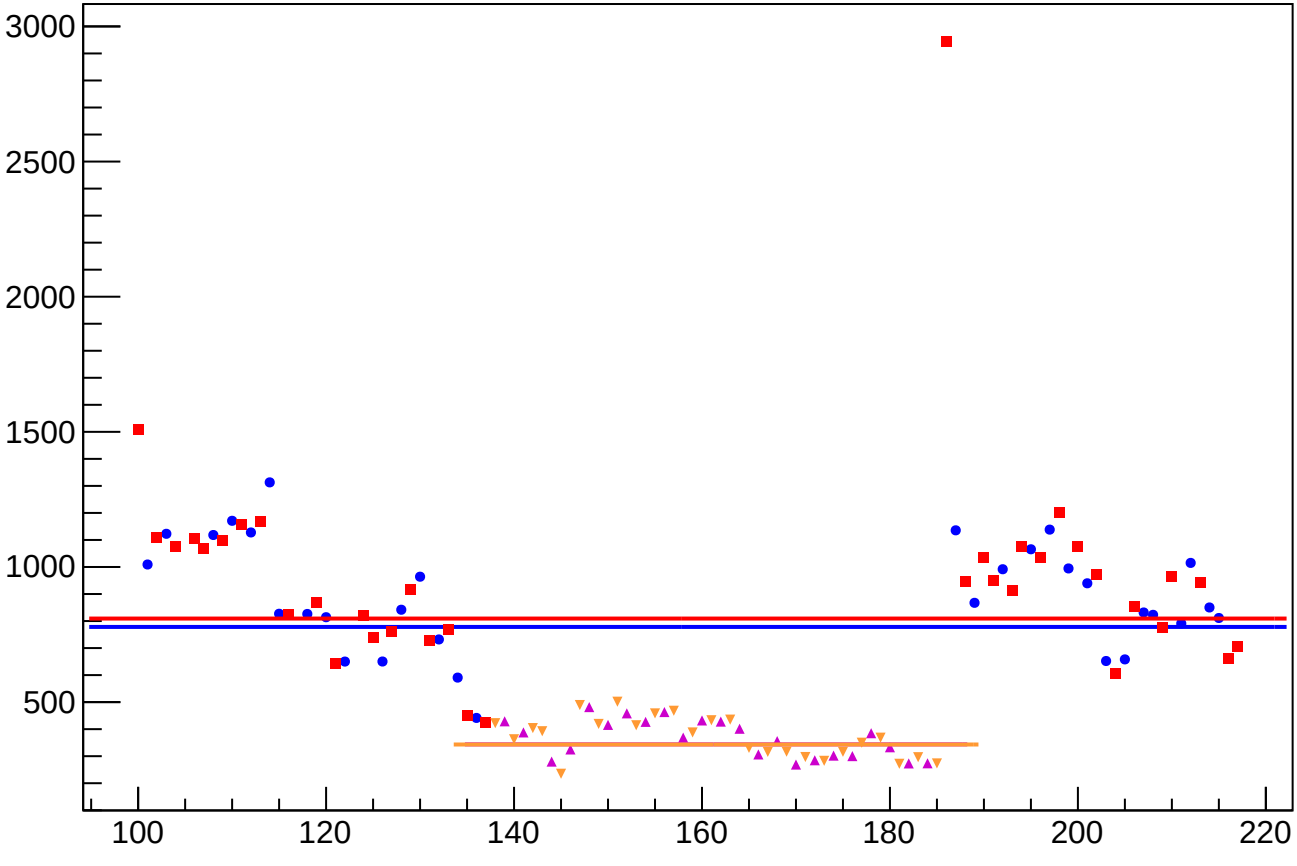
Right: 188.603+/-130.568 χ^2/NDF: 78.8/66

In: 108.036+/-74.977 χ^2/NDF:77.4/53

Out: 34.711+/-73.327 χ^2/NDF:66.5/60

All: 70.558+/-52.424 χ^2/NDF: 144.4/114

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: 809.200+/-0.131 χ^2/NDF: 3045434.7/35

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

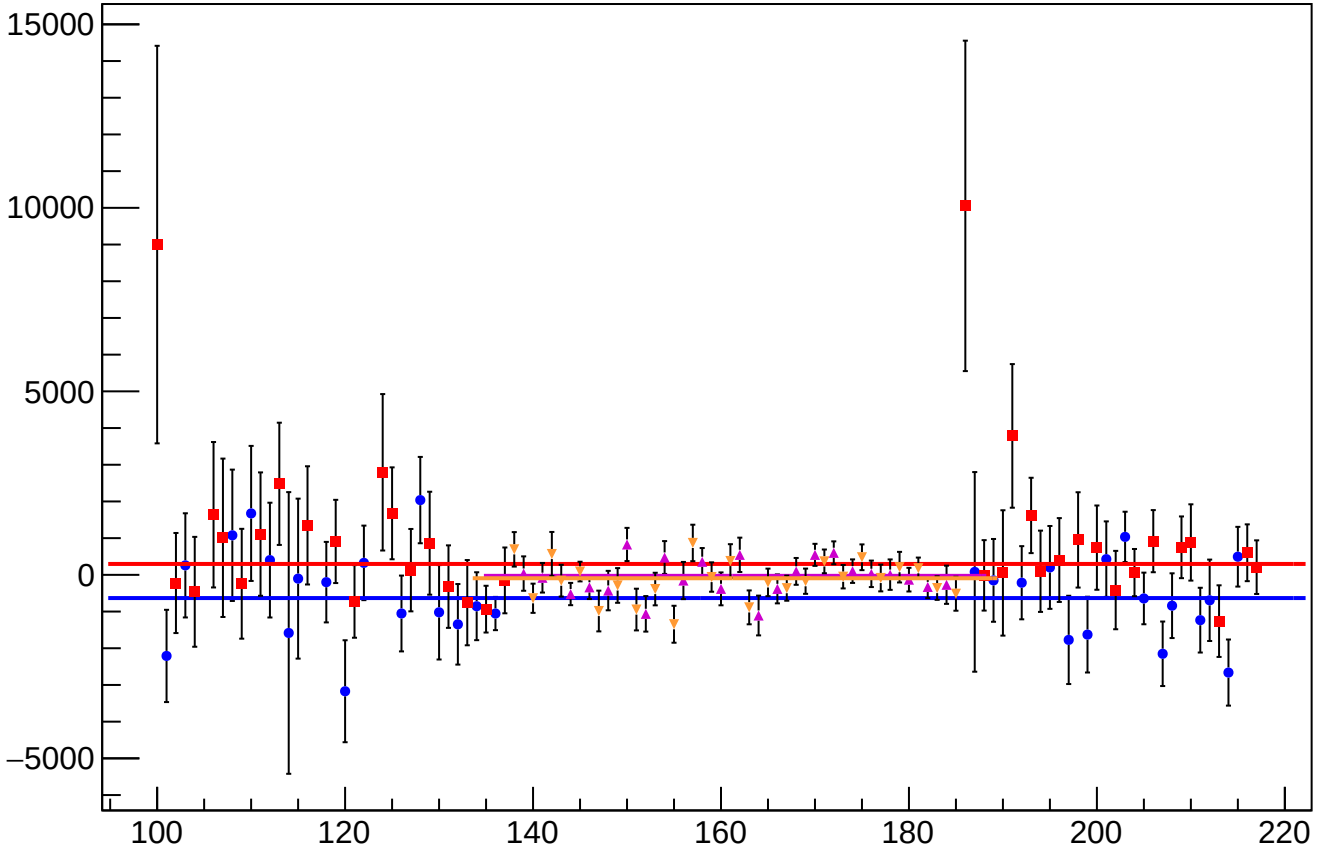
Right: 793.578+/-0.092 χ^2/NDF: 5566771.0/66

In: 415.930+/-0.053 χ^2/NDF:13058965.4/53

Out: 416.115+/-0.052 χ^2/NDF:15298448.3/60

All: 416.025+/-0.037 χ^2/NDF: 28357420.0/11

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: 297.060+/-184.175 χ^2/NDF: 29.9/35

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

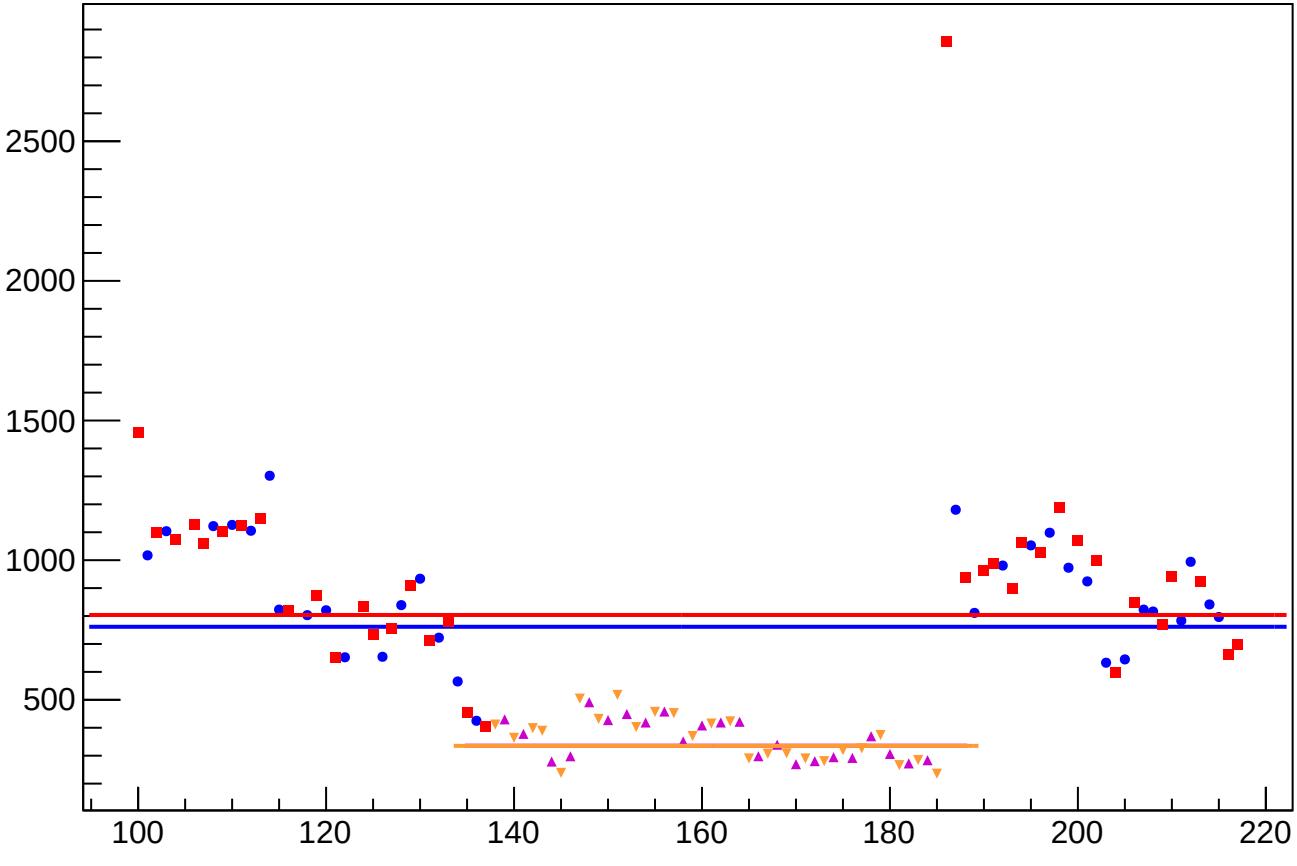
Right: -177.375+/-128.870 χ^2/NDF: 79.3/66

In: -127.094+/-73.289 χ^2/NDF:76.7/53

Out: -33.162+/-71.968 χ^2/NDF:67.8/60

All: -79.274+/-51.350 χ^2/NDF: 145.4/114

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: 803.782+/-0.130 χ^2/NDF: 3034508.6/35

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

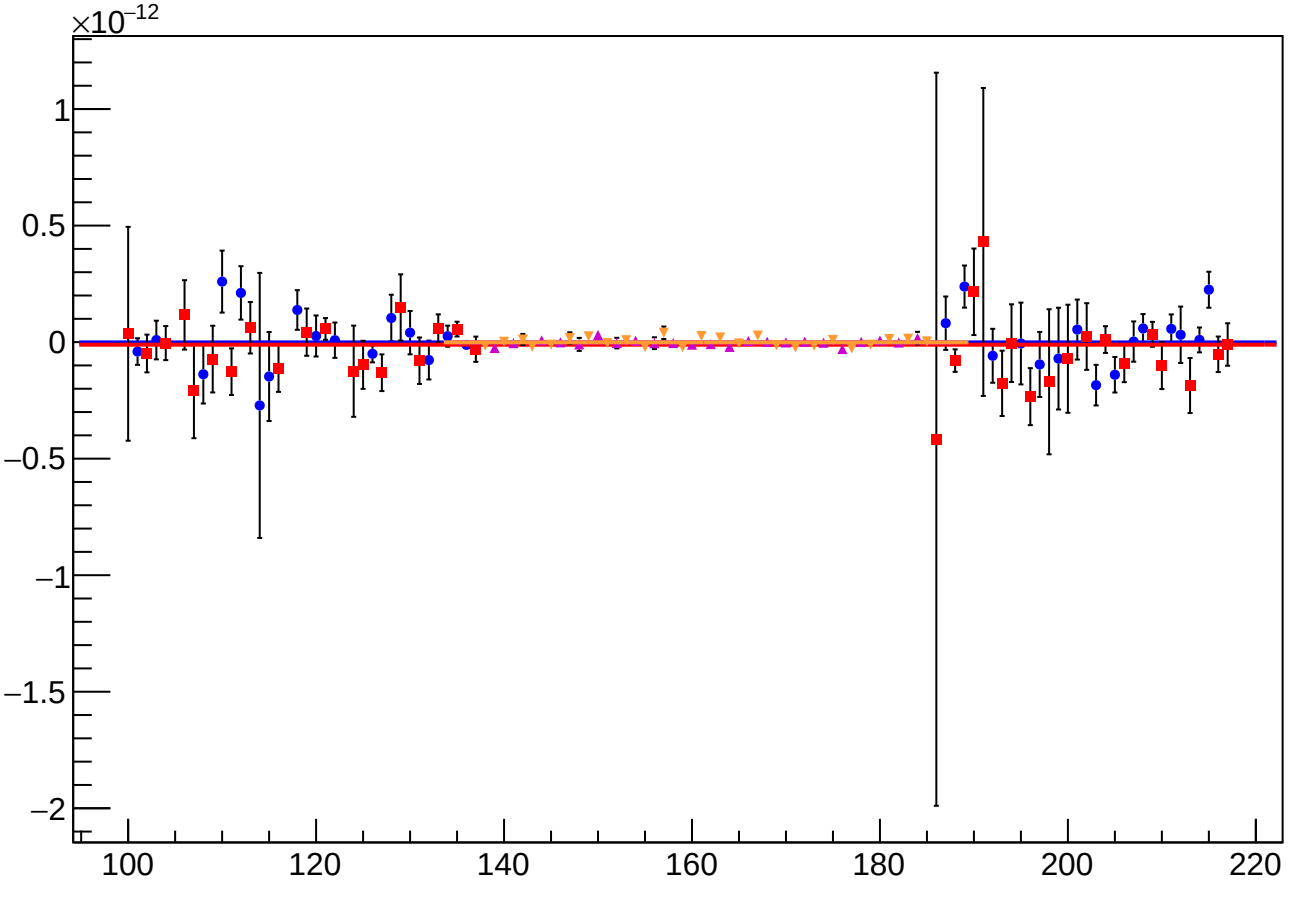
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 782.221+/-0.091 χ^2/NDF: 5699971.0/66

In: 406.069+/-0.052 χ^2/NDF:13205594.9/53

Out: 406.706+/-0.051 χ^2/NDF:15712202.5/60

All: 406.393+/-0.036 χ^2/NDF: 28917874.5/1



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: 32.4/35

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

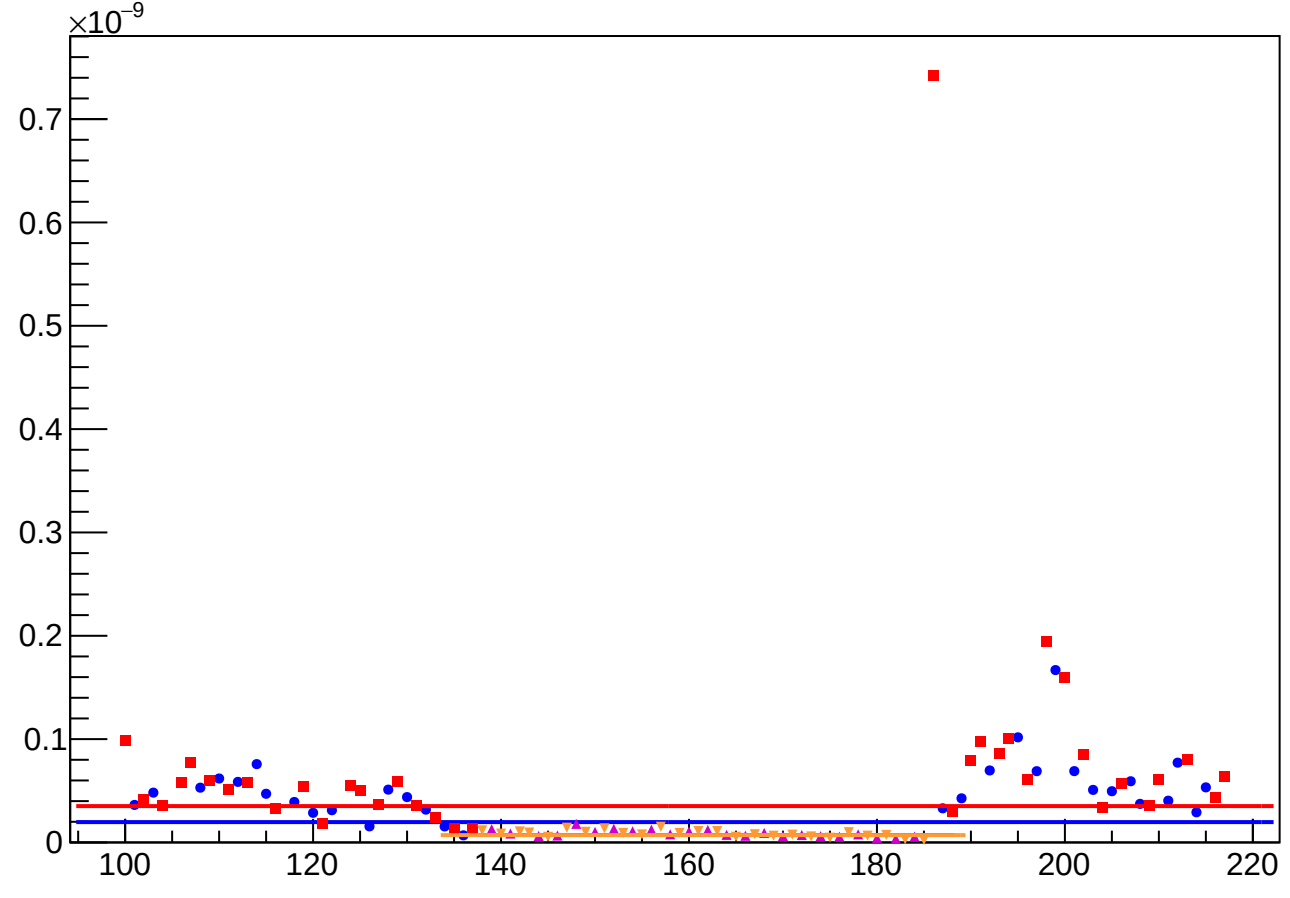
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 77.1/66

In: -0.000+/-0.000 χ^2/NDF:59.1/53

Out: -0.000+/-0.000 χ^2/NDF:66.2/60

All: -0.000+/-0.000 χ^2/NDF: 125.3/114



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: 5493400.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

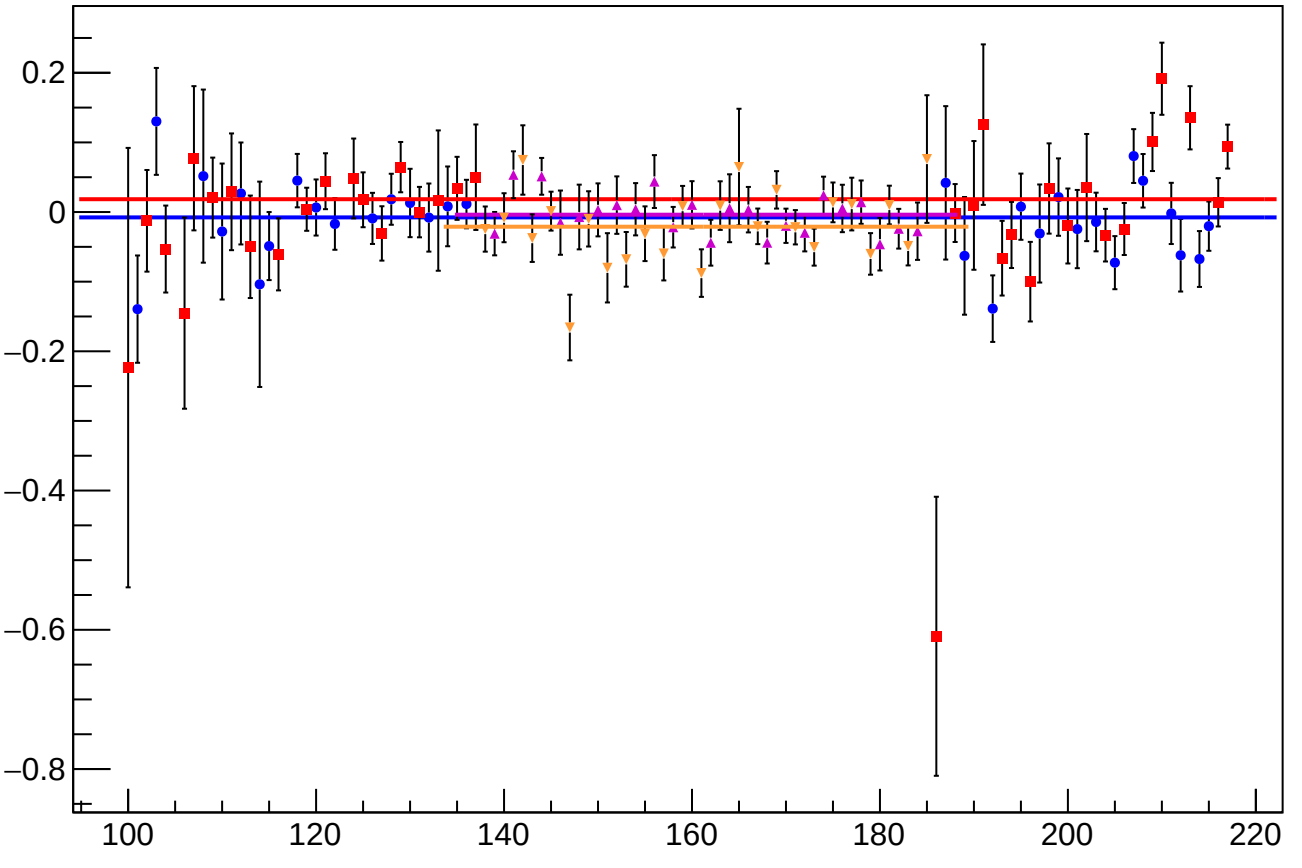
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15634333.5/66

In: 0.000+/-0.000 χ^2/NDF:13183163.9/53

Out: 0.000+/-0.000 χ^2/NDF:15514266.1/60

All: 0.000+/-0.000 χ^2/NDF: 28698598.7/114



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: 0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

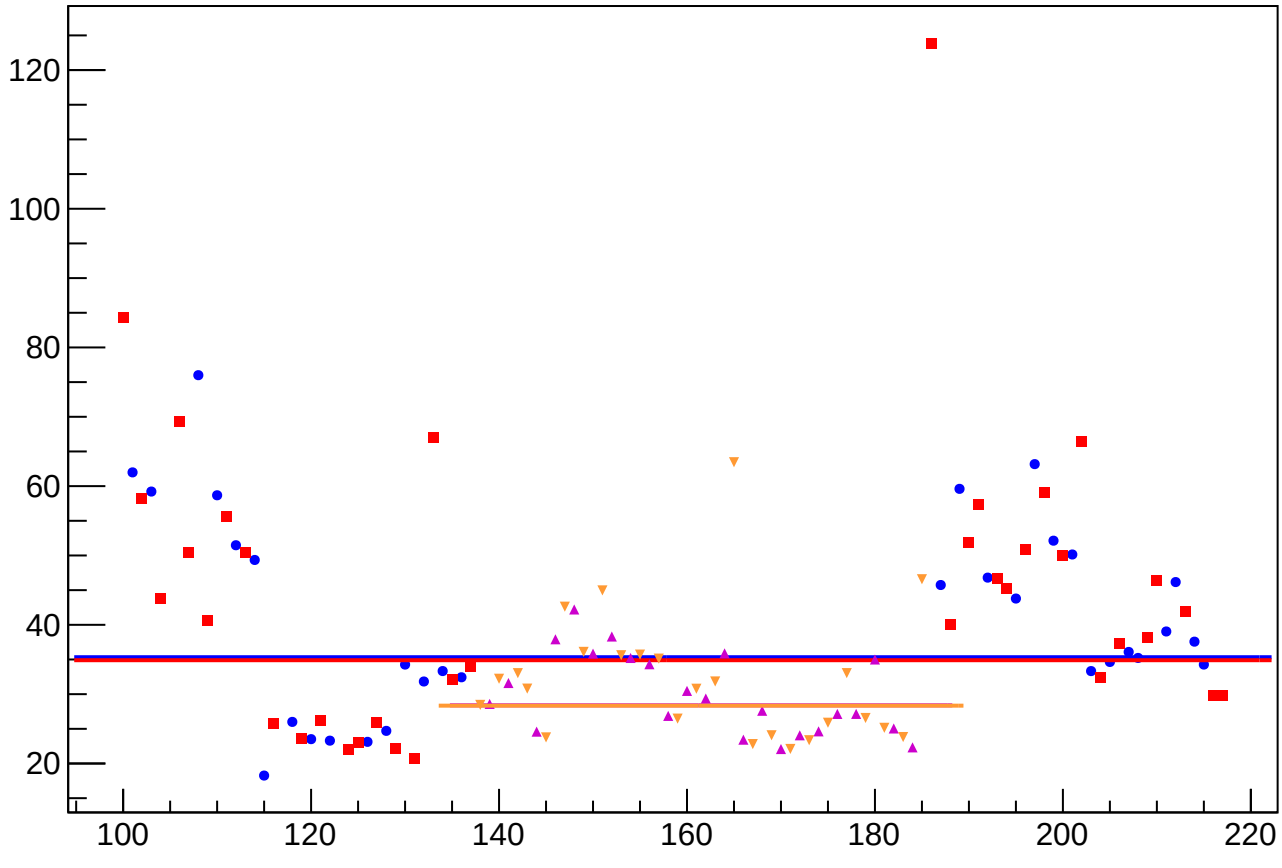
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.006+/-0.006 χ^2/NDF: 99.7/66

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.006+/-0.005 χ^2/NDF:112.7/60

All: -0.005+/-0.004 χ^2/NDF: 164.6/114



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: 34.897+/-0.006 χ^2/NDF: 4230457.9/35

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

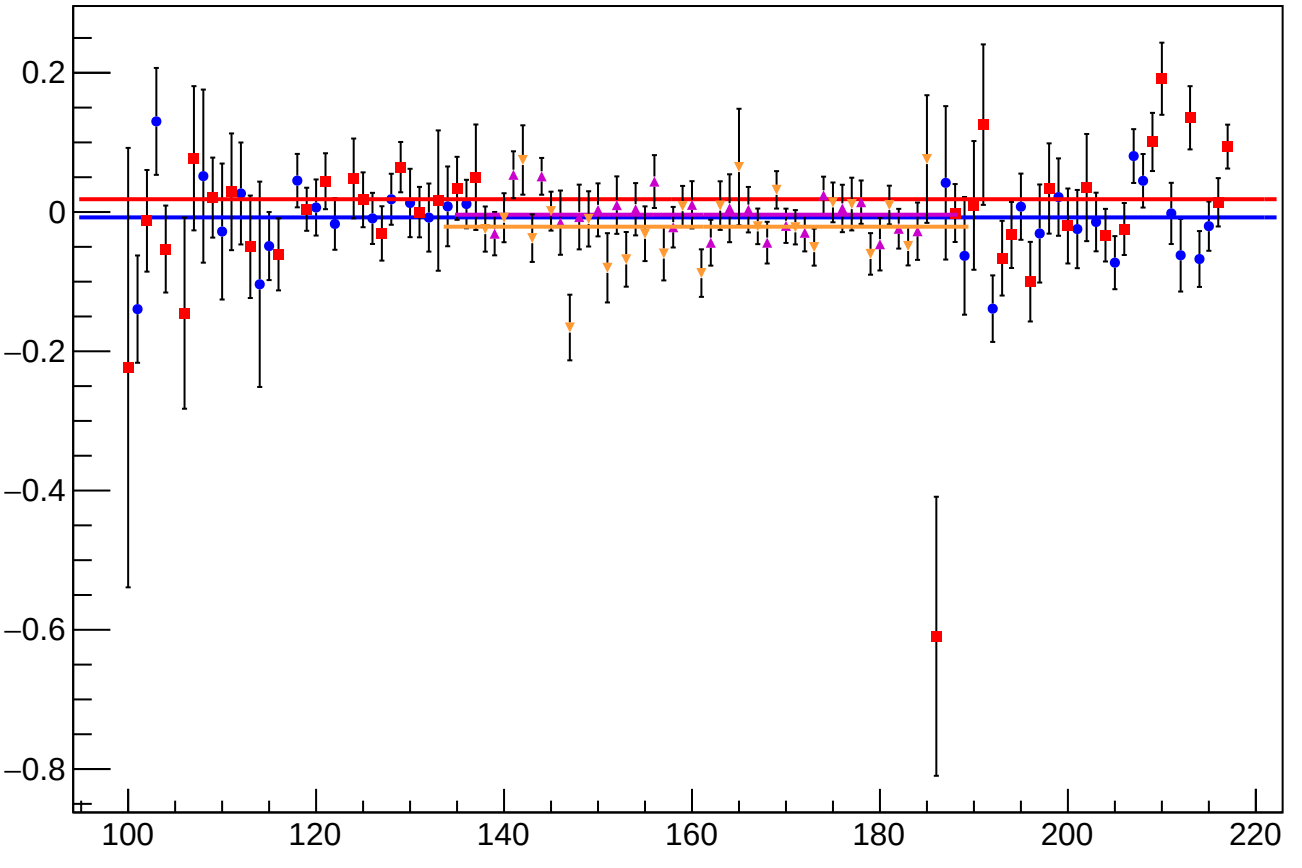
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.104+/-0.004 χ^2/NDF: 7381928.1/66

In: 31.082+/-0.004 χ^2/NDF:5041709.0/53

Out: 30.911+/-0.004 χ^2/NDF:6721189.1/60

All: 30.994+/-0.003 χ^2/NDF: 11763944.9/114



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: 0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

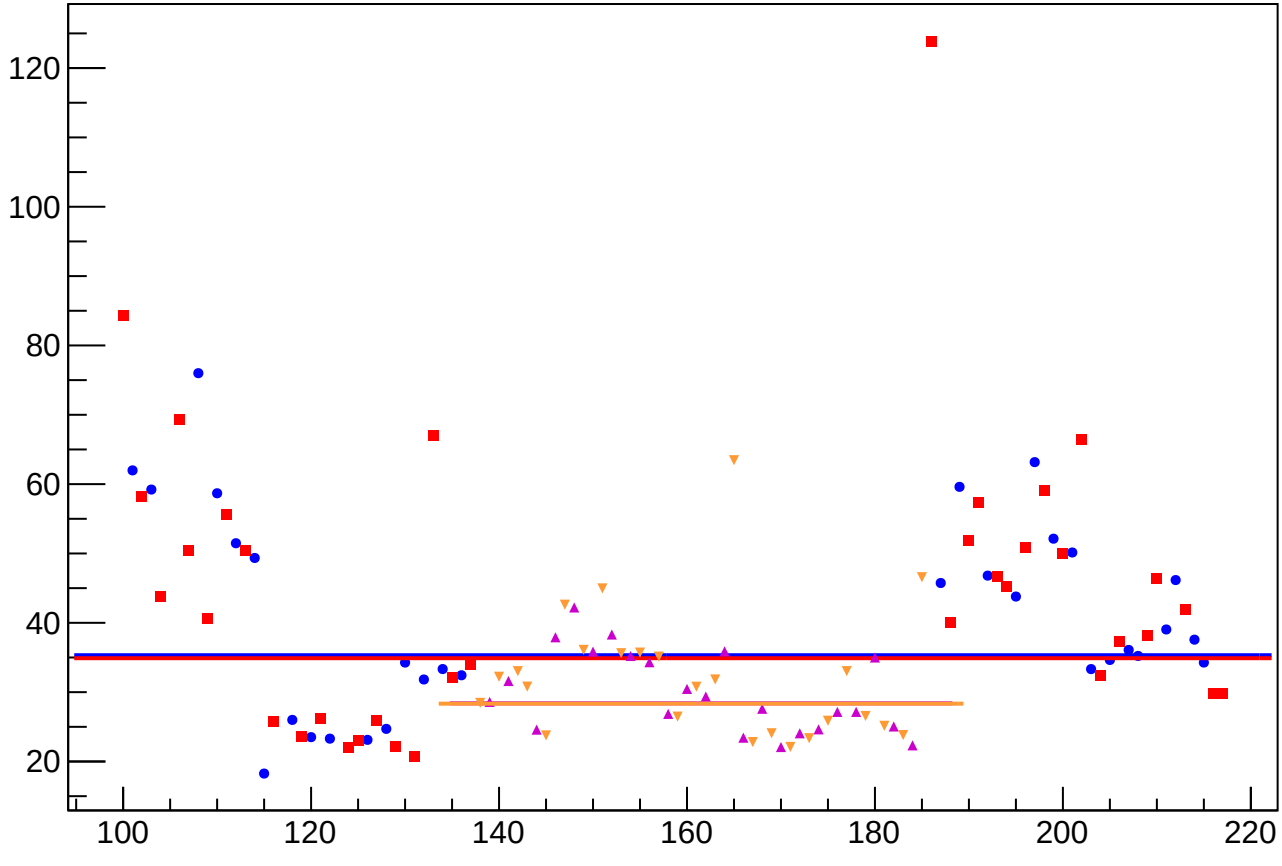
Right: 0.006+/-0.006 χ^2/NDF: 99.7/66

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.006+/-0.005 χ^2/NDF:112.7/60

All: -0.005+/-0.004 χ^2/NDF: 164.6/114

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: 34.897+/-0.006 χ^2/NDF: 4230457.9/35

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

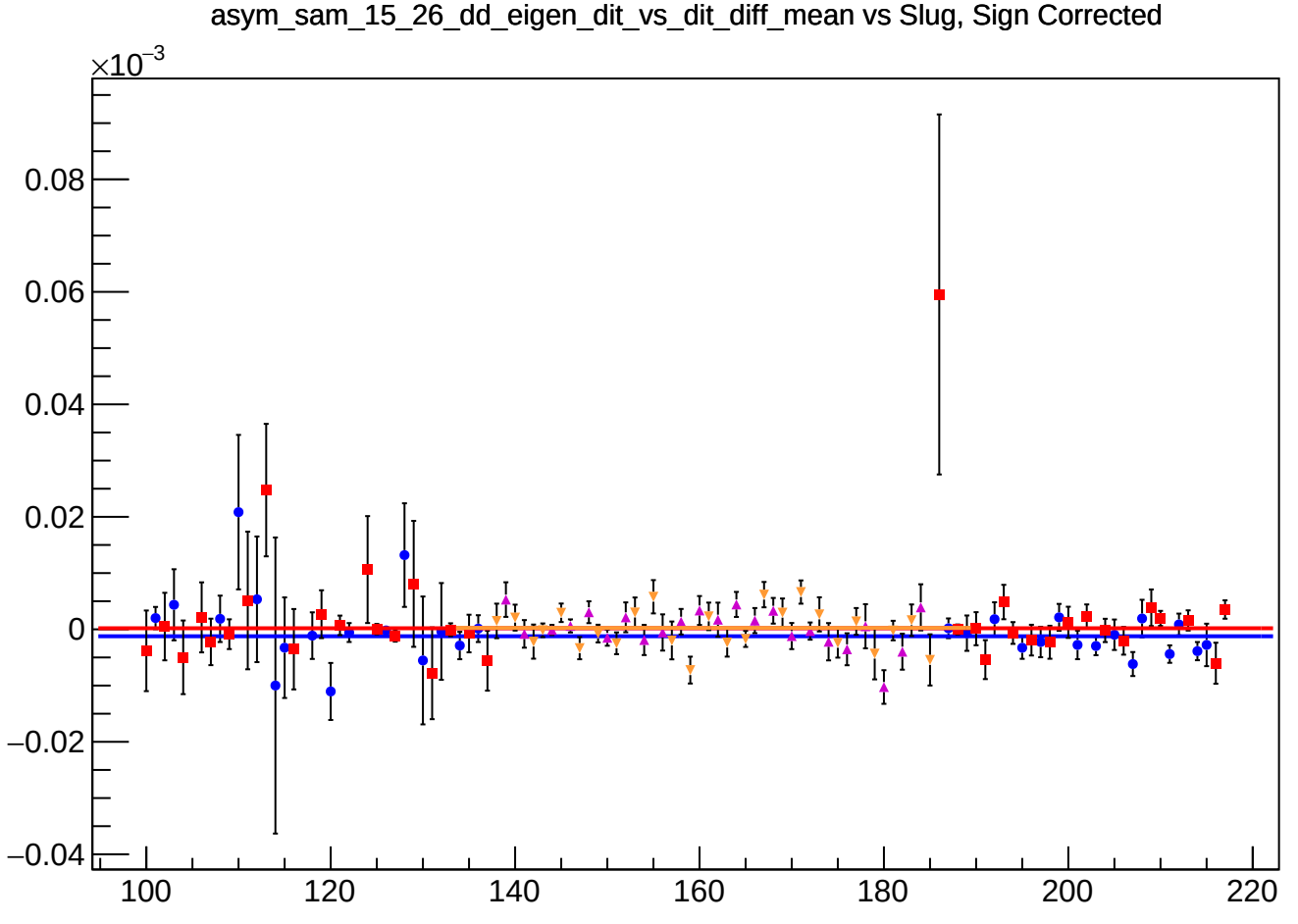
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.104+/-0.004 χ^2/NDF: 7381928.1/66

In: 31.082+/-0.004 χ^2/NDF:5041709.0/53

Out: 30.911+/-0.004 χ^2/NDF:6721189.1/60

All: 30.994+/-0.003 χ^2/NDF: 11763944.9/114



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: 34.9/35

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

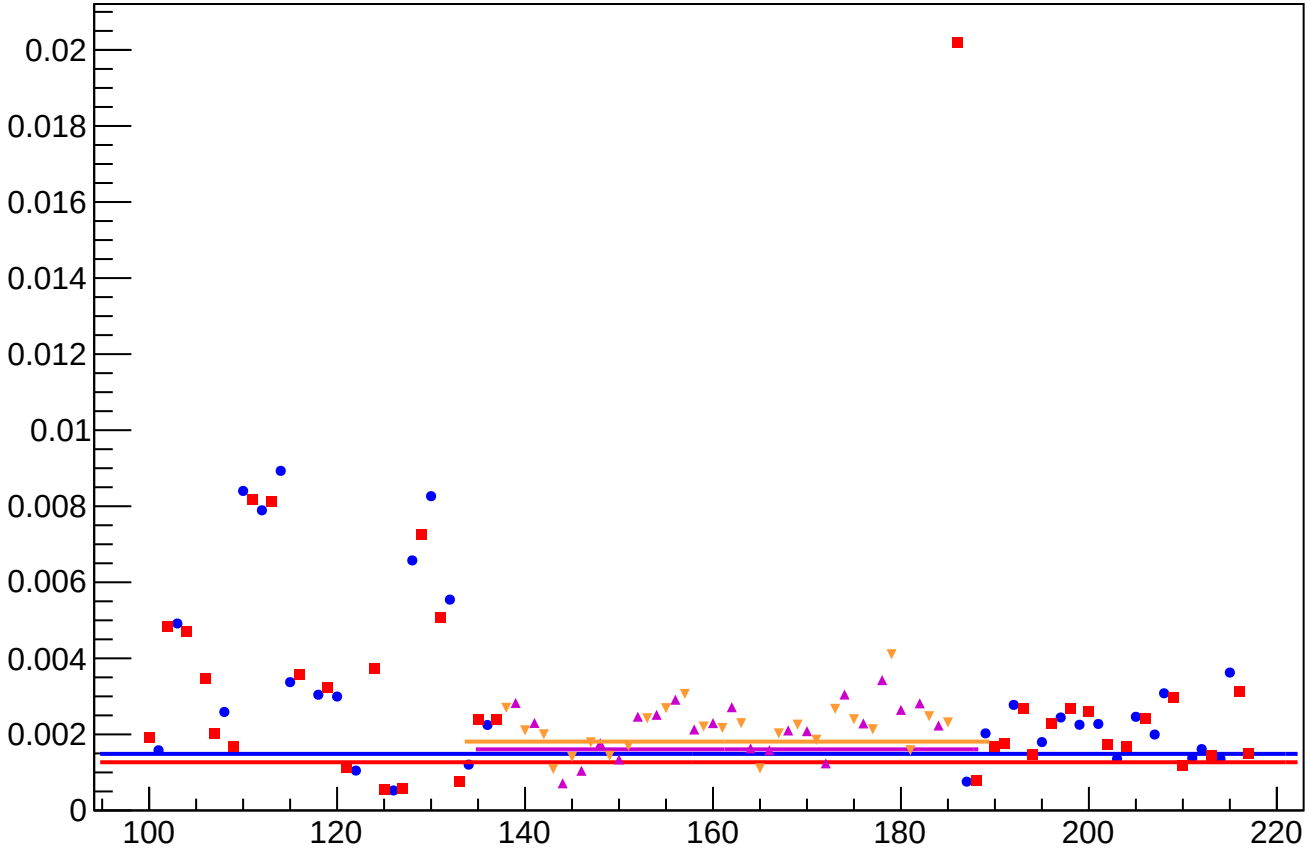
Right: -0.000+/-0.000 χ^2/NDF: 78.5/66

In: -0.000+/-0.000 χ^2/NDF:76.2/53

Out: 0.000+/-0.000 χ^2/NDF:85.7/60

All: -0.000+/-0.000 χ^2/NDF: 165.2/114

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10420020.9/30

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12233845.2/35

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

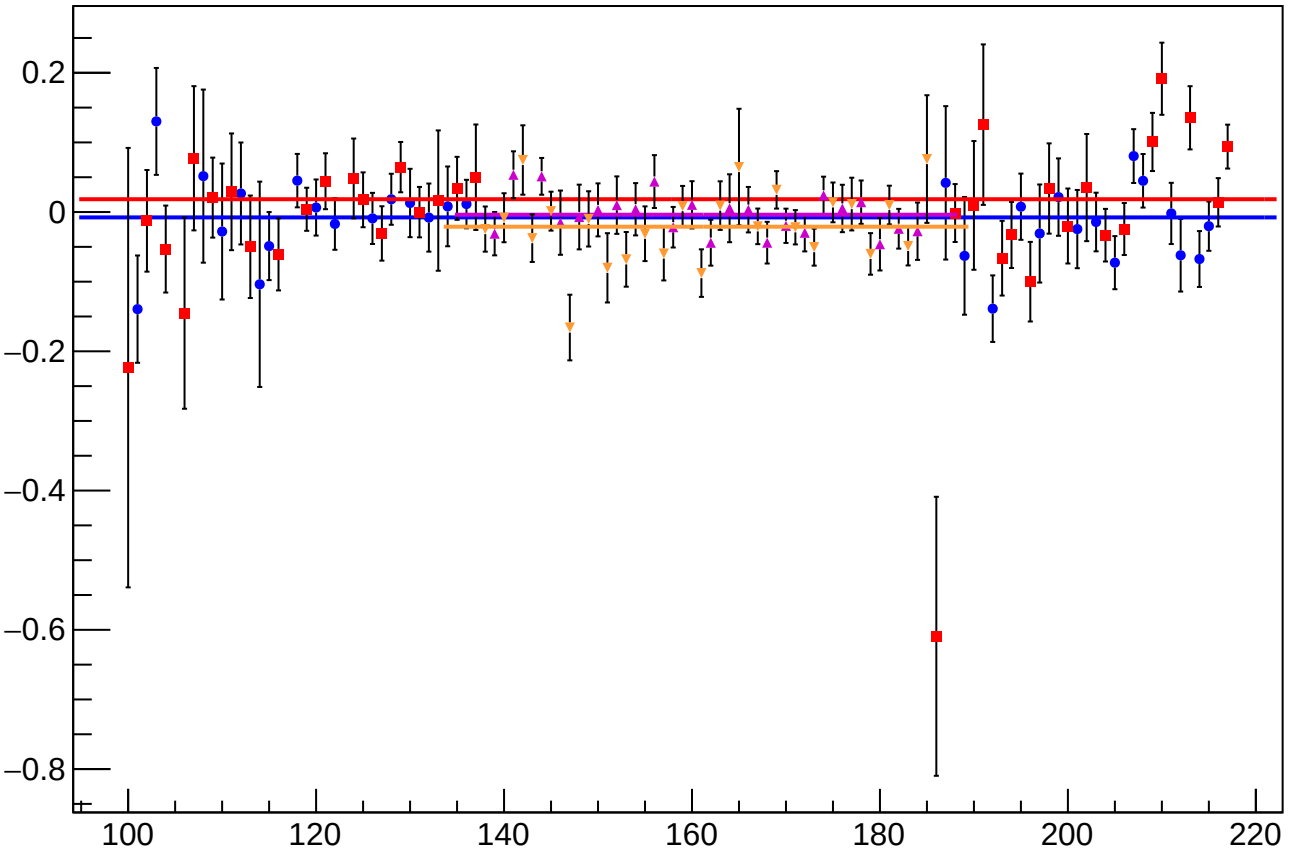
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 22981390.5/66

In: 0.002+/-0.000 χ^2/NDF:16534616.2/53

Out: 0.001+/-0.000 χ^2/NDF:17538557.7/60

All: 0.002+/-0.000 χ^2/NDF: 34118376.3/114



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: 0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

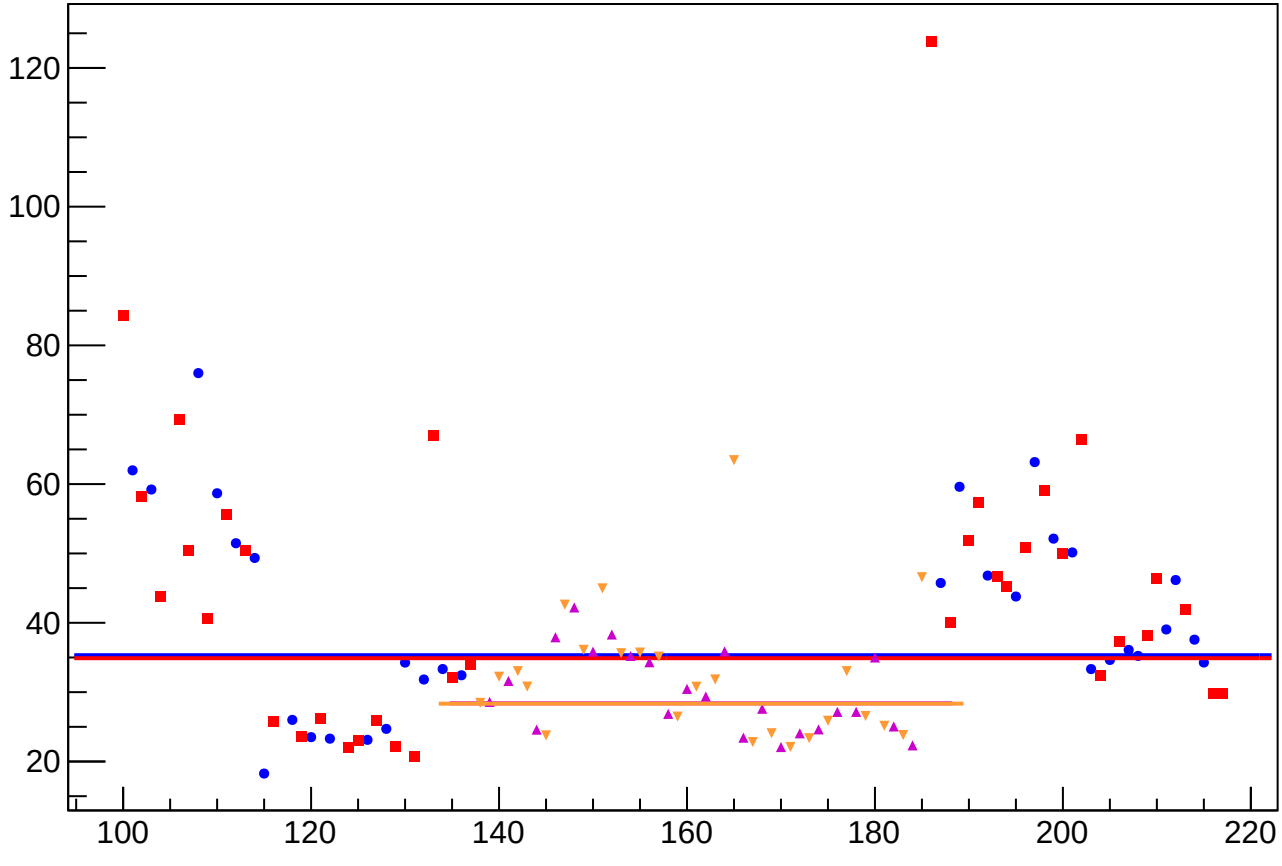
Right: 0.006+/-0.006 χ^2/NDF: 99.7/66

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.006+/-0.005 χ^2/NDF:112.7/60

All: -0.005+/-0.004 χ^2/NDF: 164.6/114

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: 34.896+/-0.006 χ^2/NDF: 4230566.1/35

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

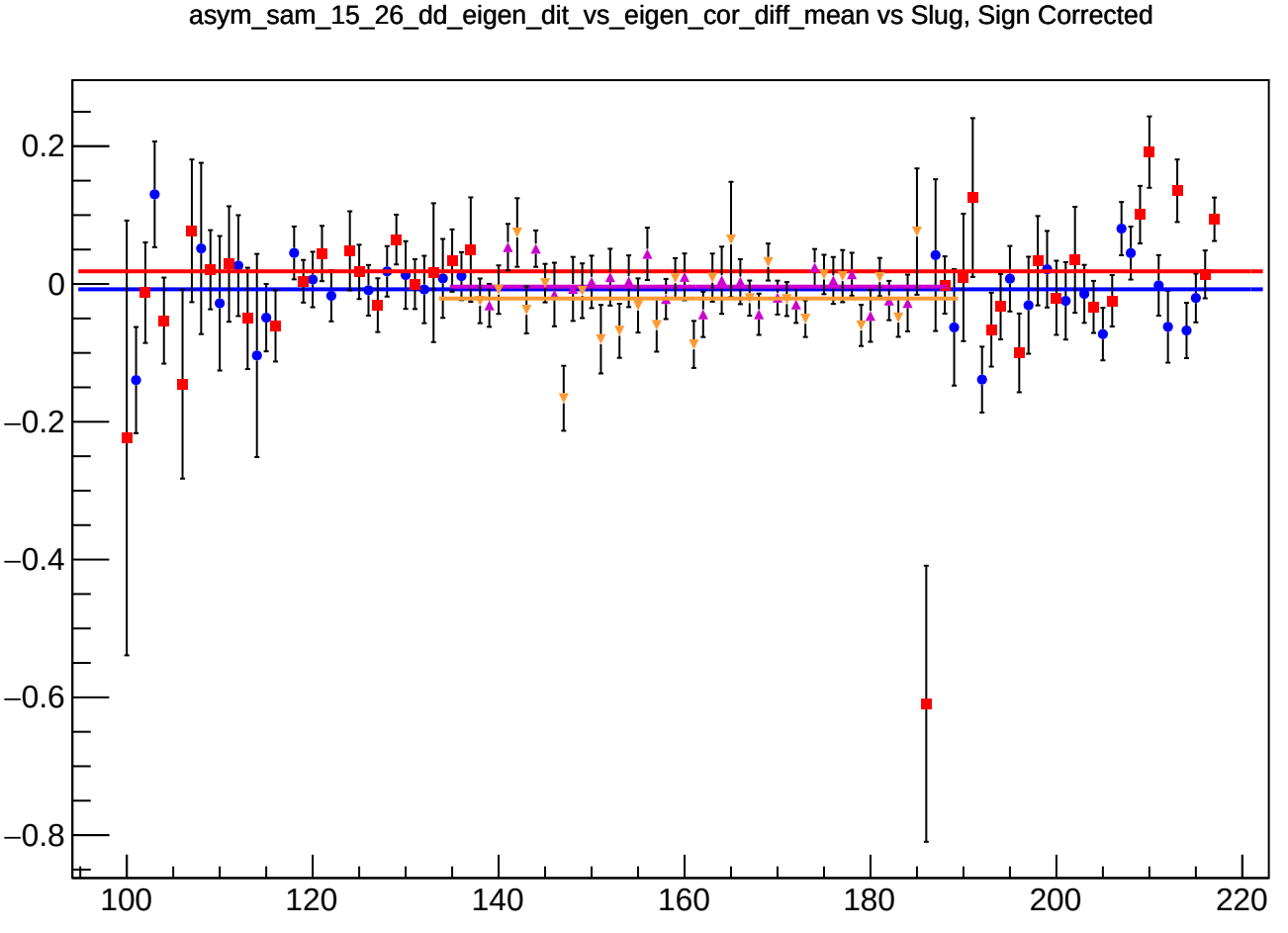
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.104+/-0.004 χ^2/NDF: 7381909.0/66

In: 31.082+/-0.004 χ^2/NDF:5041525.7/53

Out: 30.911+/-0.004 χ^2/NDF:6721203.0/60

All: 30.994+/-0.003 χ^2/NDF: 11763778.7/114



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: 0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

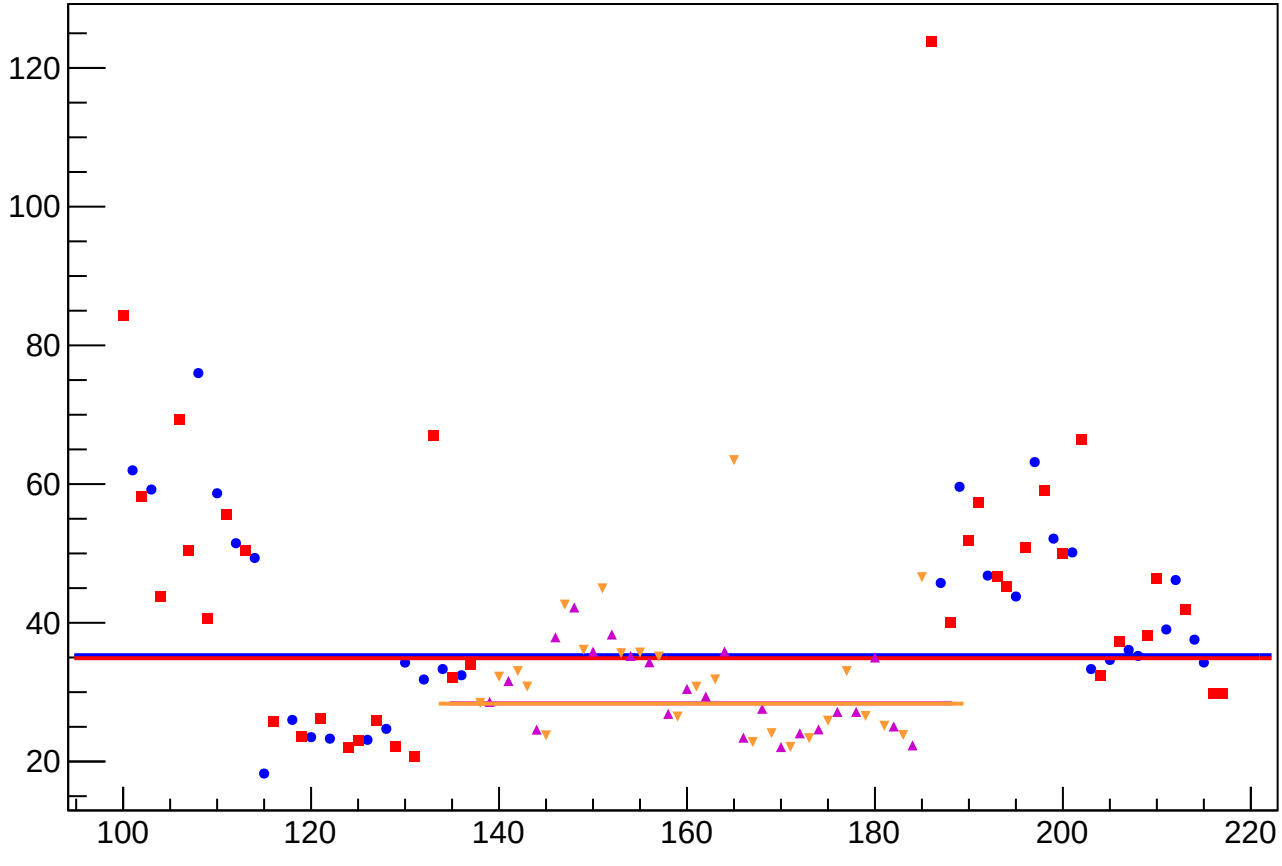
Right: 0.006+/-0.006 χ^2/NDF: 99.7/66

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.006+/-0.005 χ^2/NDF:112.7/60

All: -0.005+/-0.004 χ^2/NDF: 164.6/114

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: 34.896+/-0.006 χ^2/NDF: 4230566.1/35

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

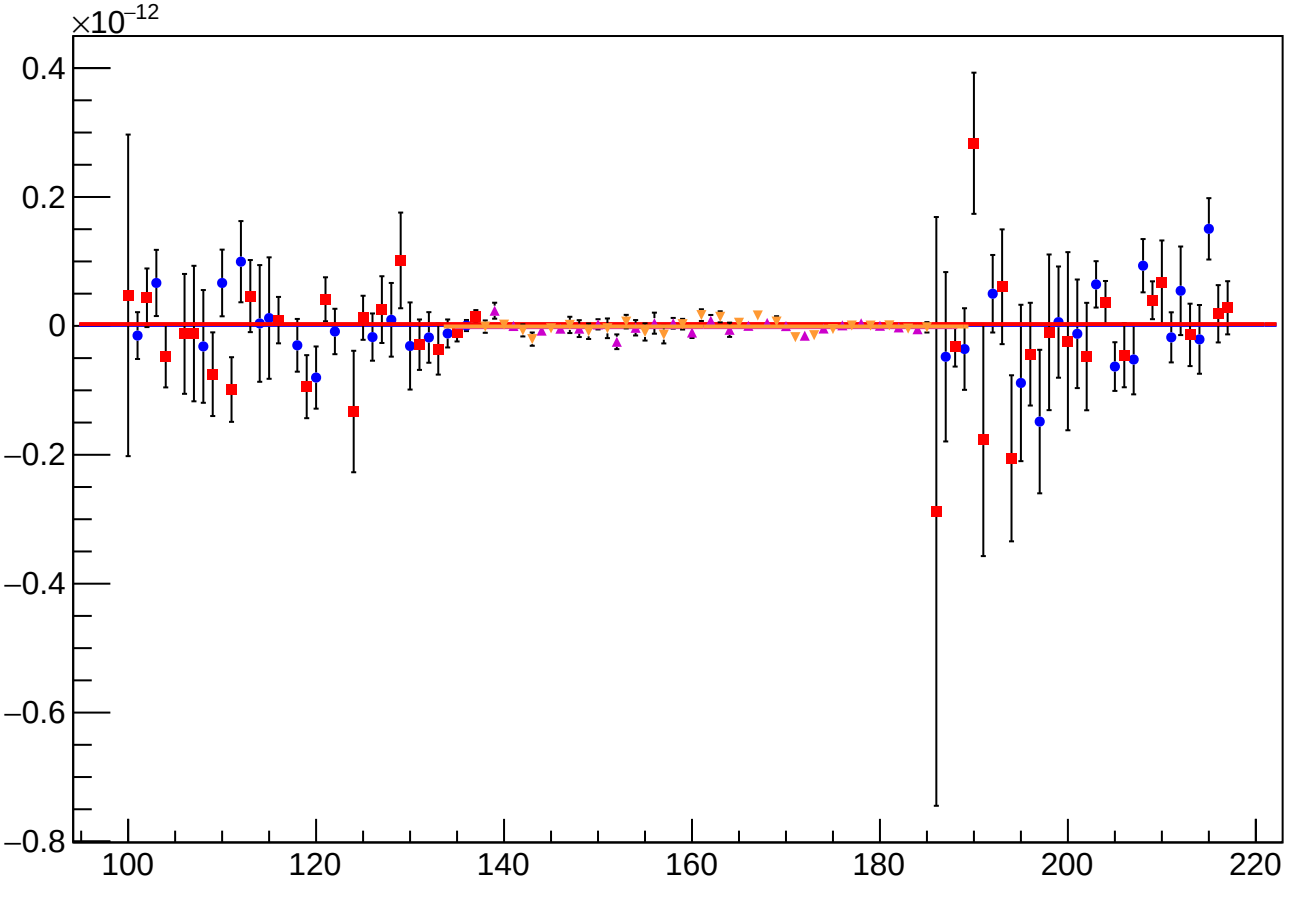
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.104+/-0.004 χ^2/NDF: 7381909.0/66

In: 31.082+/-0.004 χ^2/NDF:5041525.7/53

Out: 30.911+/-0.004 χ^2/NDF:6721203.0/60

All: 30.994+/-0.003 χ^2/NDF: 11763778.7/114



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: 39.6/35

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

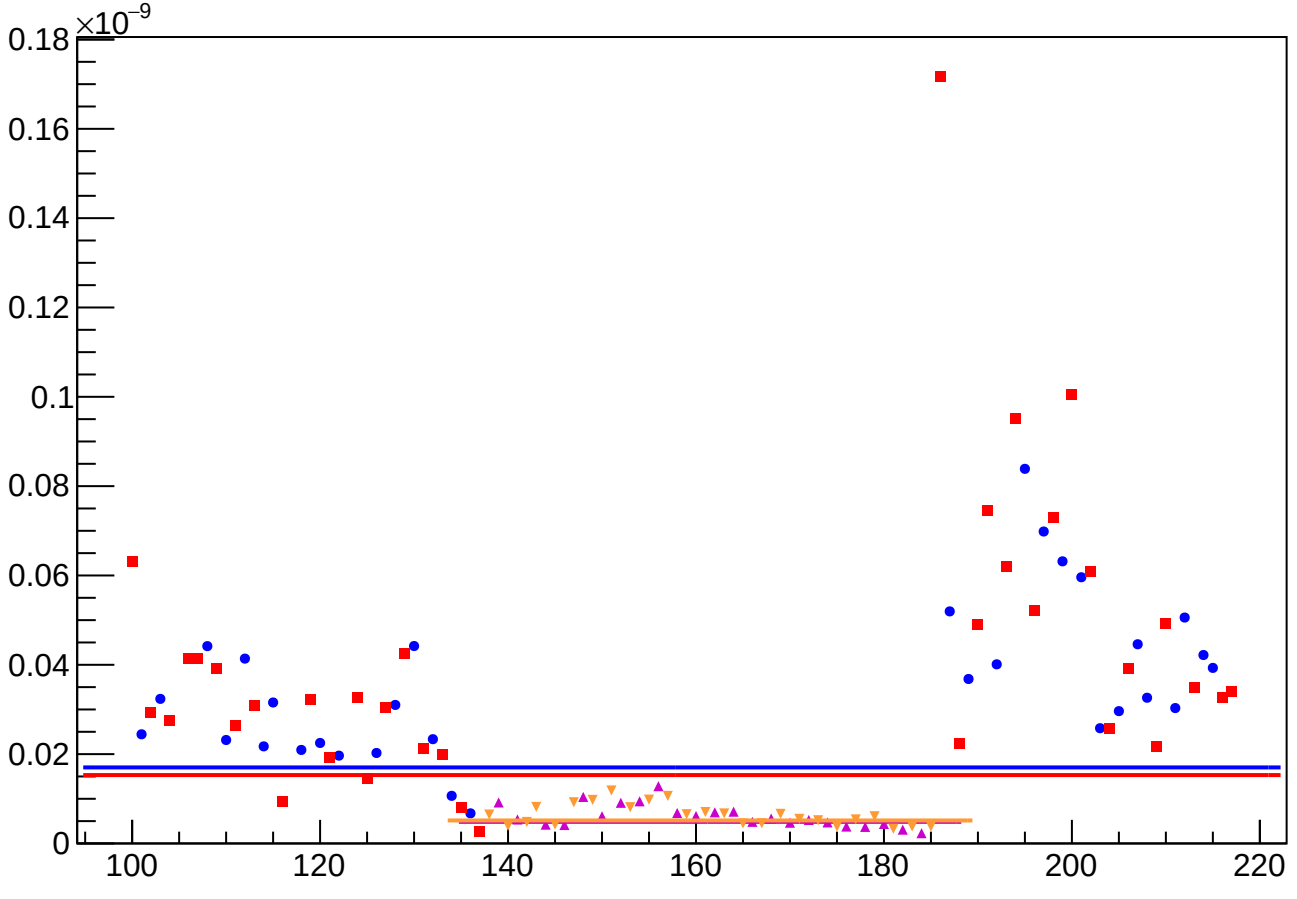
Right: 0.000+/-0.000 χ^2/NDF: 76.6/66

In: -0.000+/-0.000 χ^2/NDF:56.8/53

Out: -0.000+/-0.000 χ^2/NDF:74.1/60

All: -0.000+/-0.000 χ^2/NDF: 131.1/114

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9939978.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12426748.5/35

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

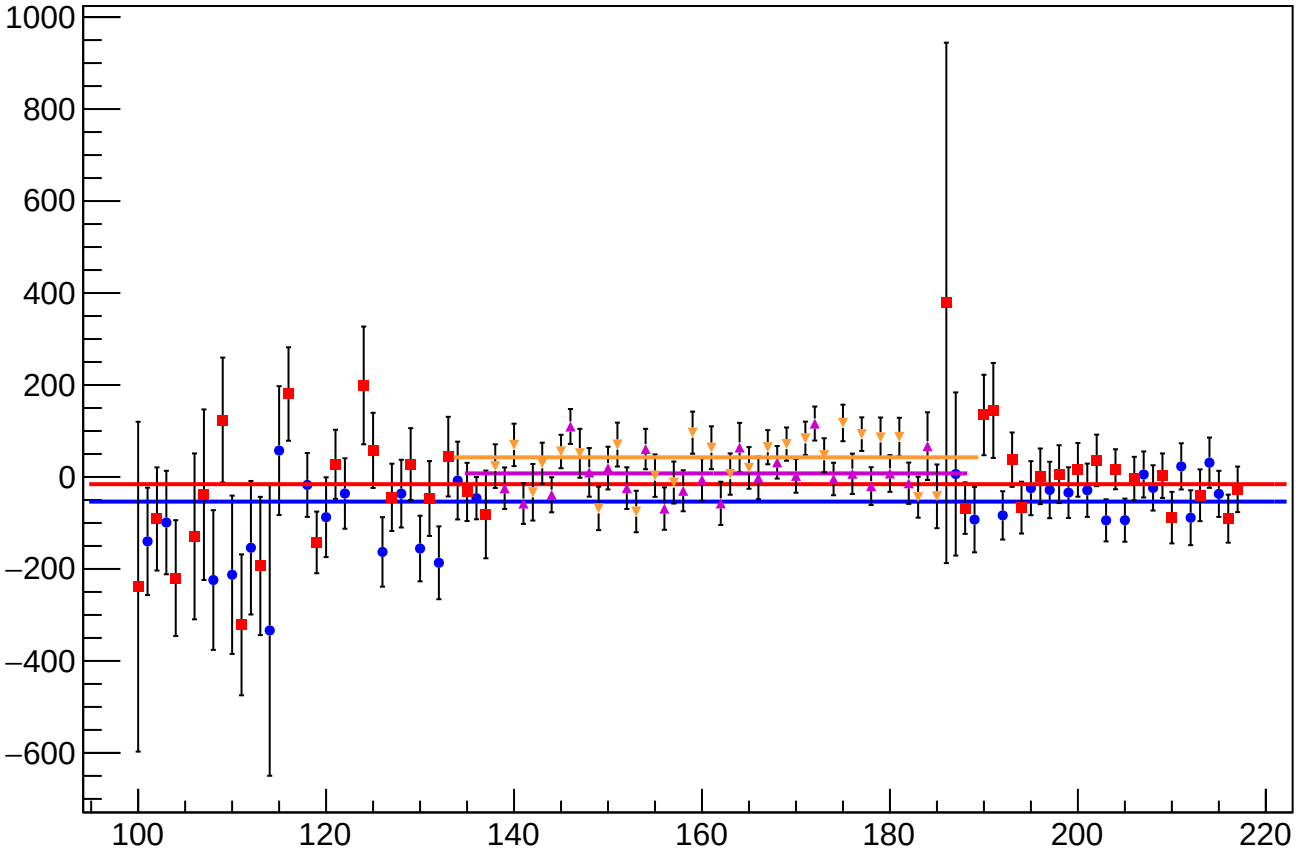
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 22447152.2/66

In: 0.000+/-0.000 χ^2/NDF:20455809.7/53

Out: 0.000+/-0.000 χ^2/NDF:21012247.0/60

All: 0.000+/-0.000 χ^2/NDF: 41500309.3/114



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: -15.651+/-11.827 χ^2/NDF: 37.7/35

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

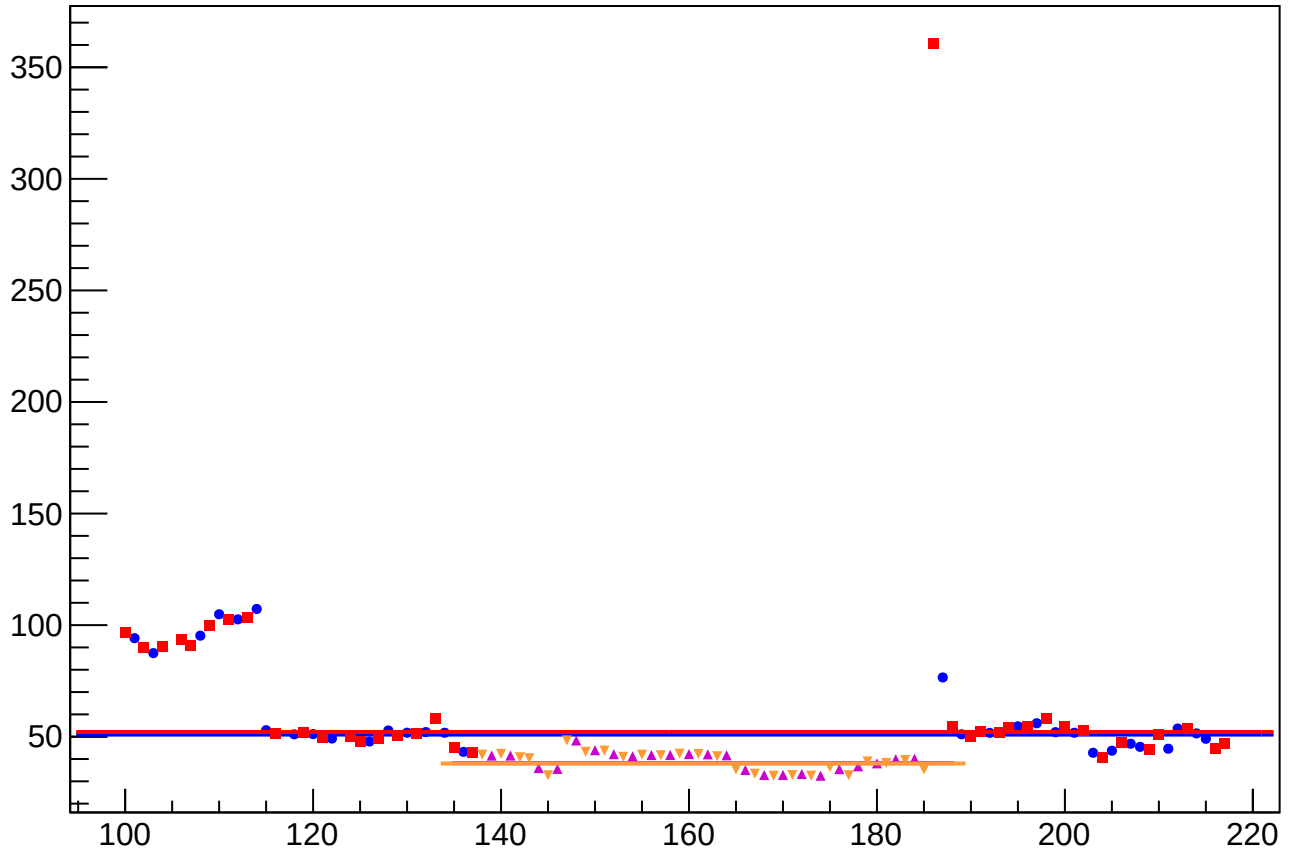
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -34.542+/-8.377 χ^2/NDF: 65.2/66

In: -14.536+/-7.158 χ^2/NDF:70.1/53

Out: 22.260+/-7.007 χ^2/NDF:88.2/60

All: 4.253+/-5.007 χ^2/NDF: 171.8/114



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: 52.113+/-0.008 χ^2/NDF: 2303882.2/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

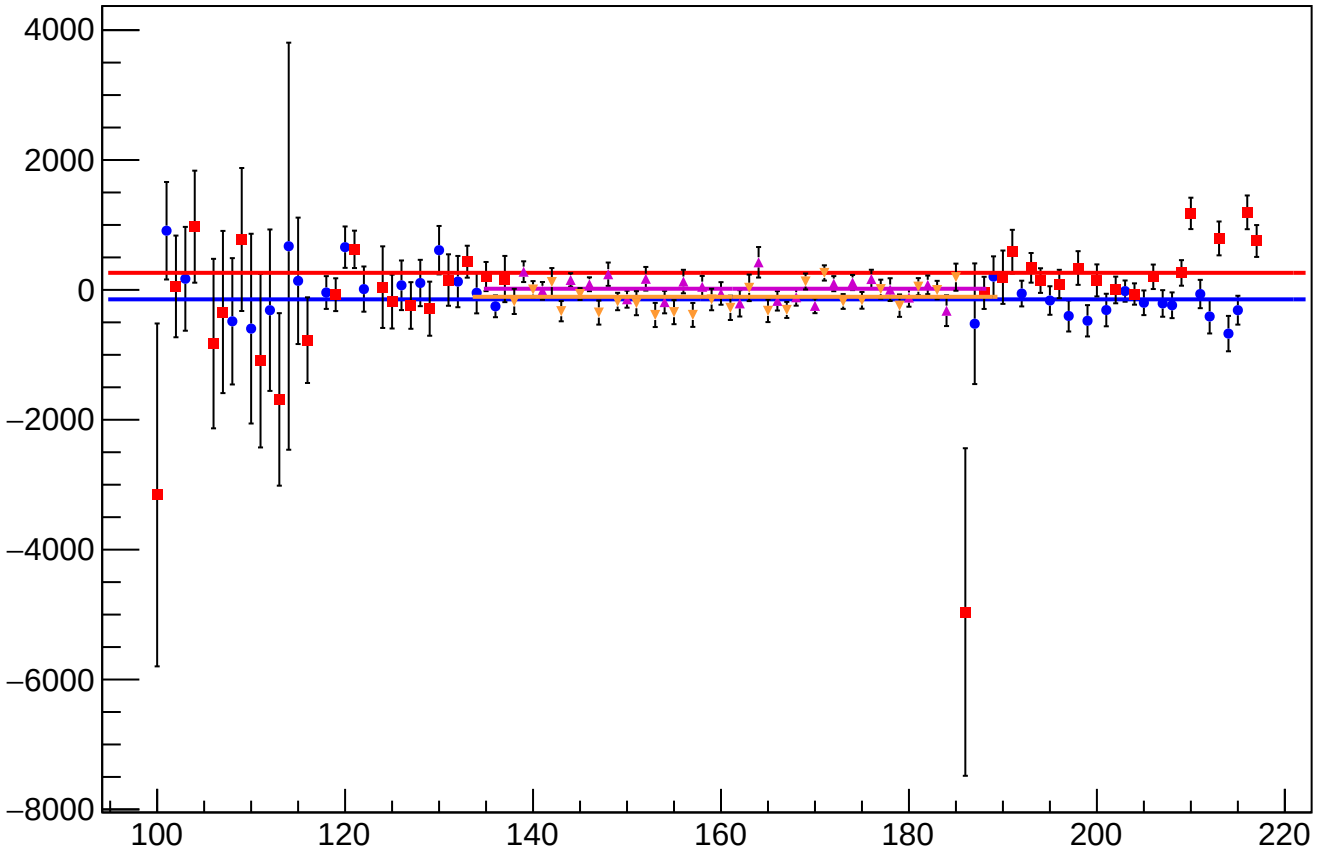
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.531+/-0.006 χ^2/NDF: 3798076.2/66

In: 42.794+/-0.005 χ^2/NDF:3395955.6/53

Out: 42.947+/-0.005 χ^2/NDF:4668303.8/60

All: 42.872+/-0.004 χ^2/NDF: 8064724.8/114



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: 262.687+/-48.942 χ^2/NDF: 67.5/35

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

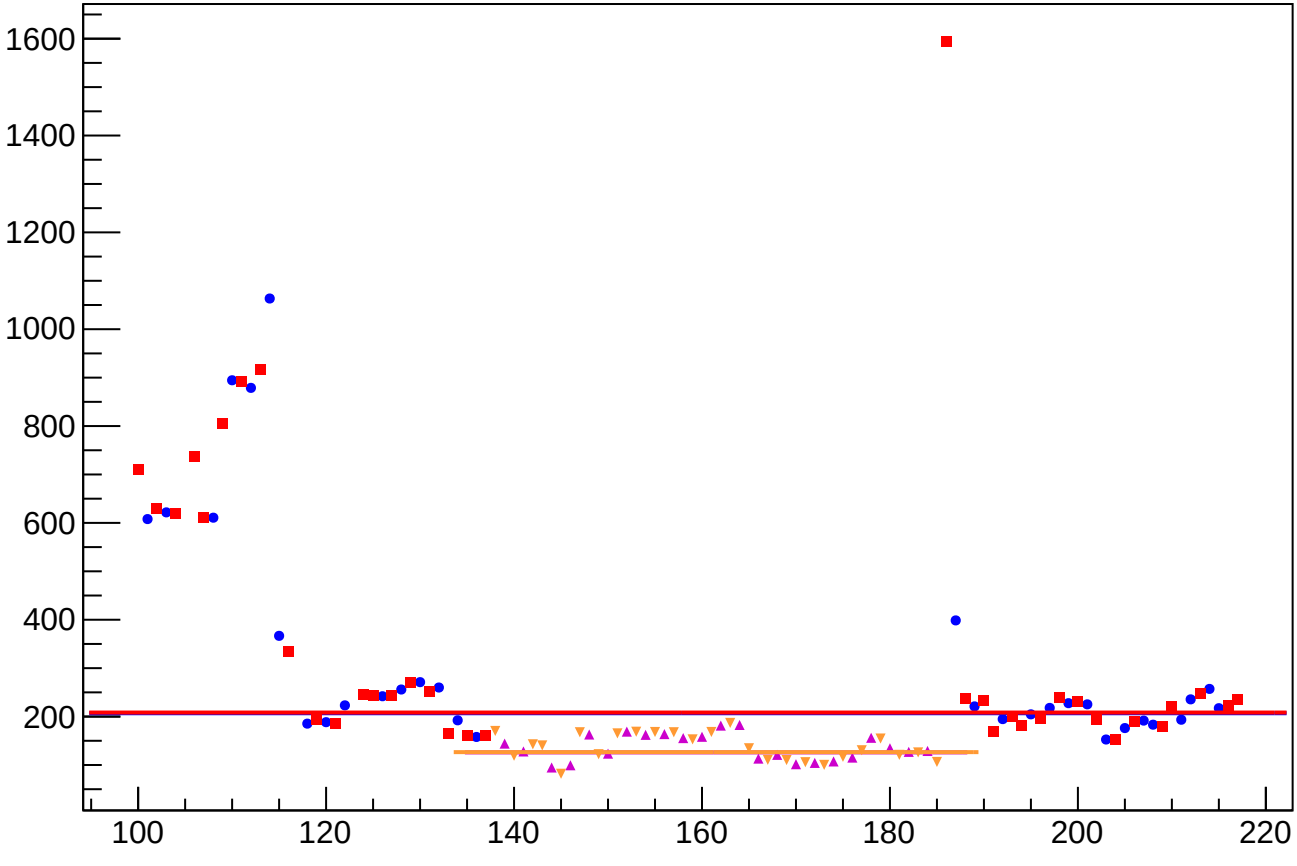
Right: 61.231+/-34.841 χ^2/NDF: 128.6/66

In: -26.598+/-25.787 χ^2/NDF:62.9/53

Out: -7.811+/-25.305 χ^2/NDF:146.9/60

All: -17.027+/-18.061 χ^2/NDF: 210.0/114

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: 208.341+/-0.035 χ^2/NDF: 4859265.1/35

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

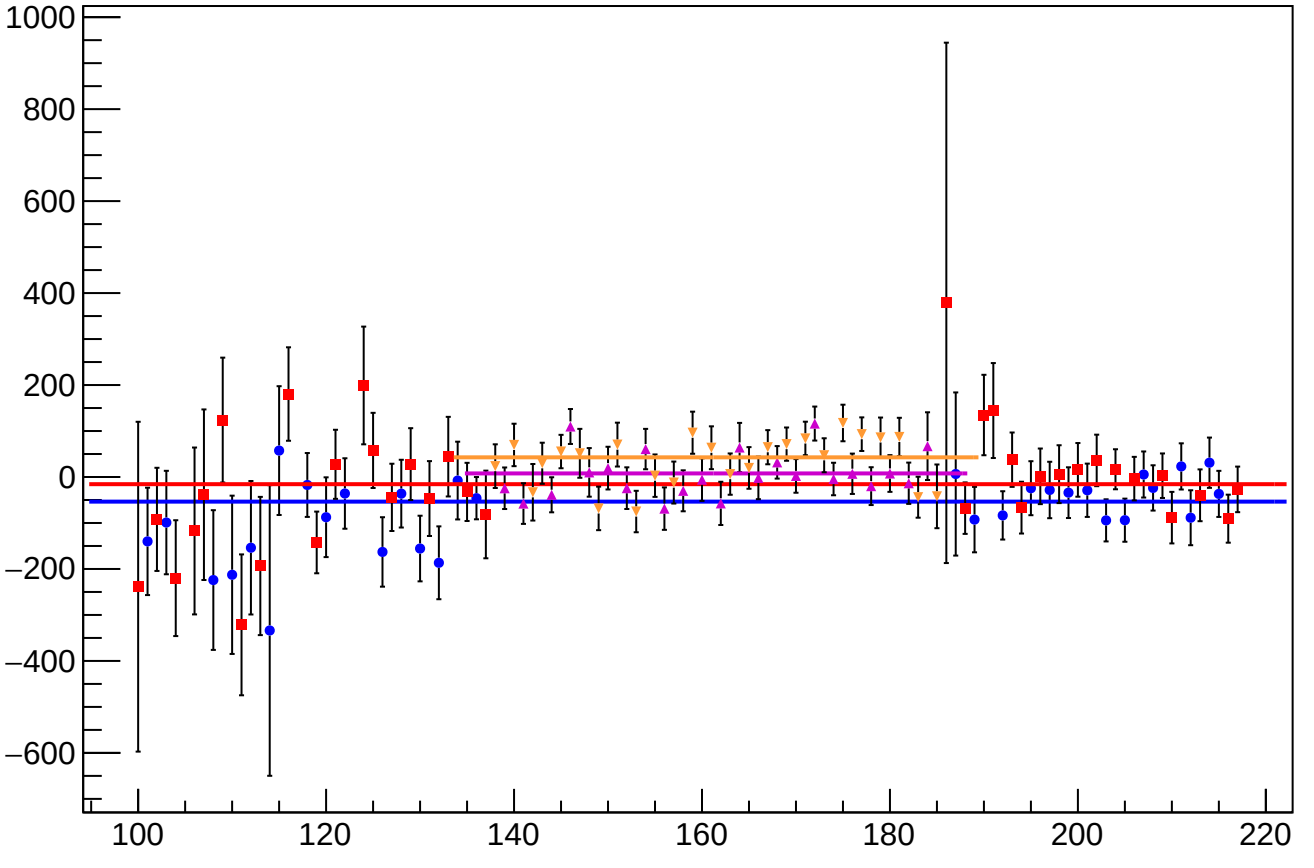
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 207.616+/-0.025 χ^2/NDF: 8438048.3/66

In: 147.860+/-0.018 χ^2/NDF:8865983.2/53

Out: 148.423+/-0.018 χ^2/NDF:10708781.4/60

All: 148.147+/-0.013 χ^2/NDF: 19575250.2/1



Right In: -53.557+/-11.866 χ^2/NDF: 22.5/30

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -15.604+/-11.827 χ^2/NDF: 37.6/35

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

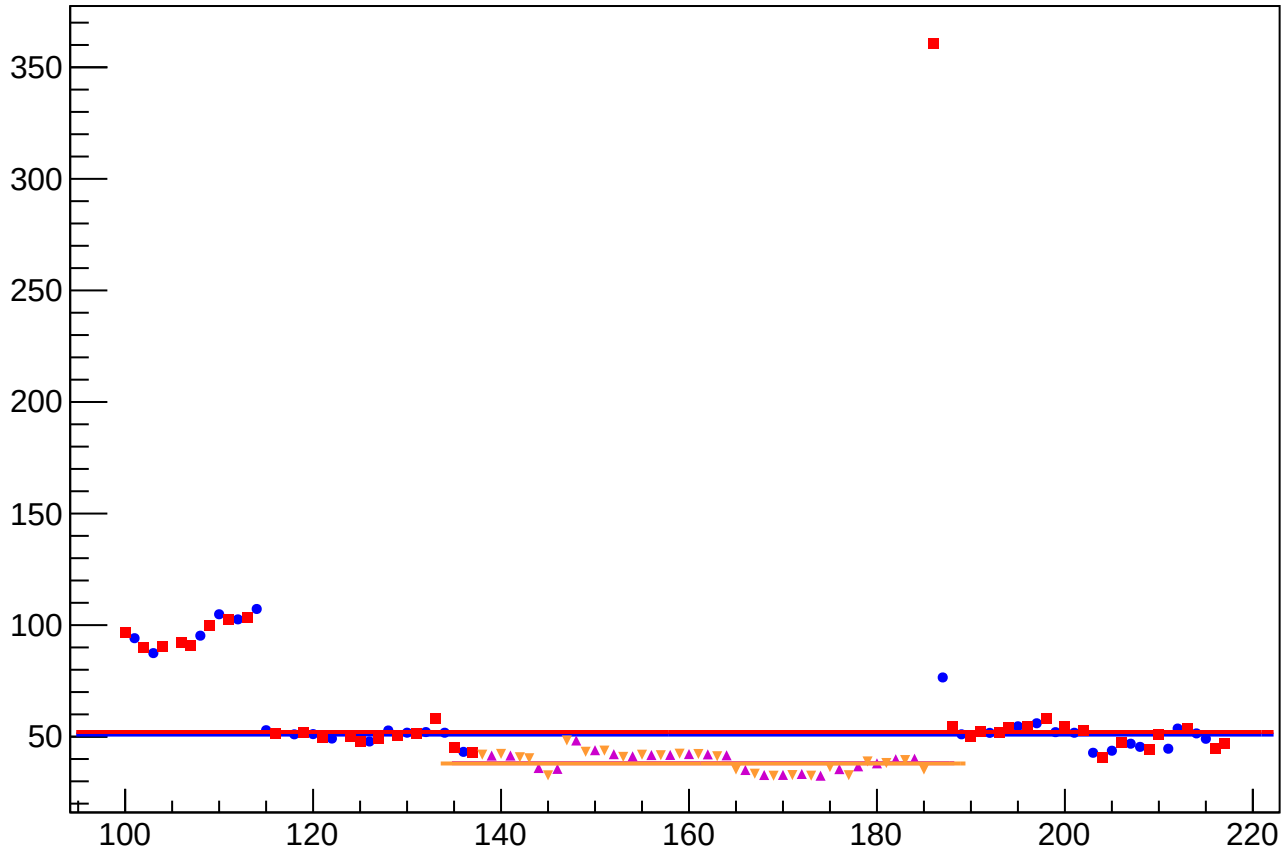
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -34.518+/-8.377 χ^2/NDF: 65.2/66

In: -14.535+/-7.158 χ^2/NDF:70.1/53

Out: 22.278+/-7.007 χ^2/NDF:88.1/60

All: 4.263+/-5.007 χ^2/NDF: 171.7/114



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: 52.104+/-0.008 χ^2/NDF: 2295174.1/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

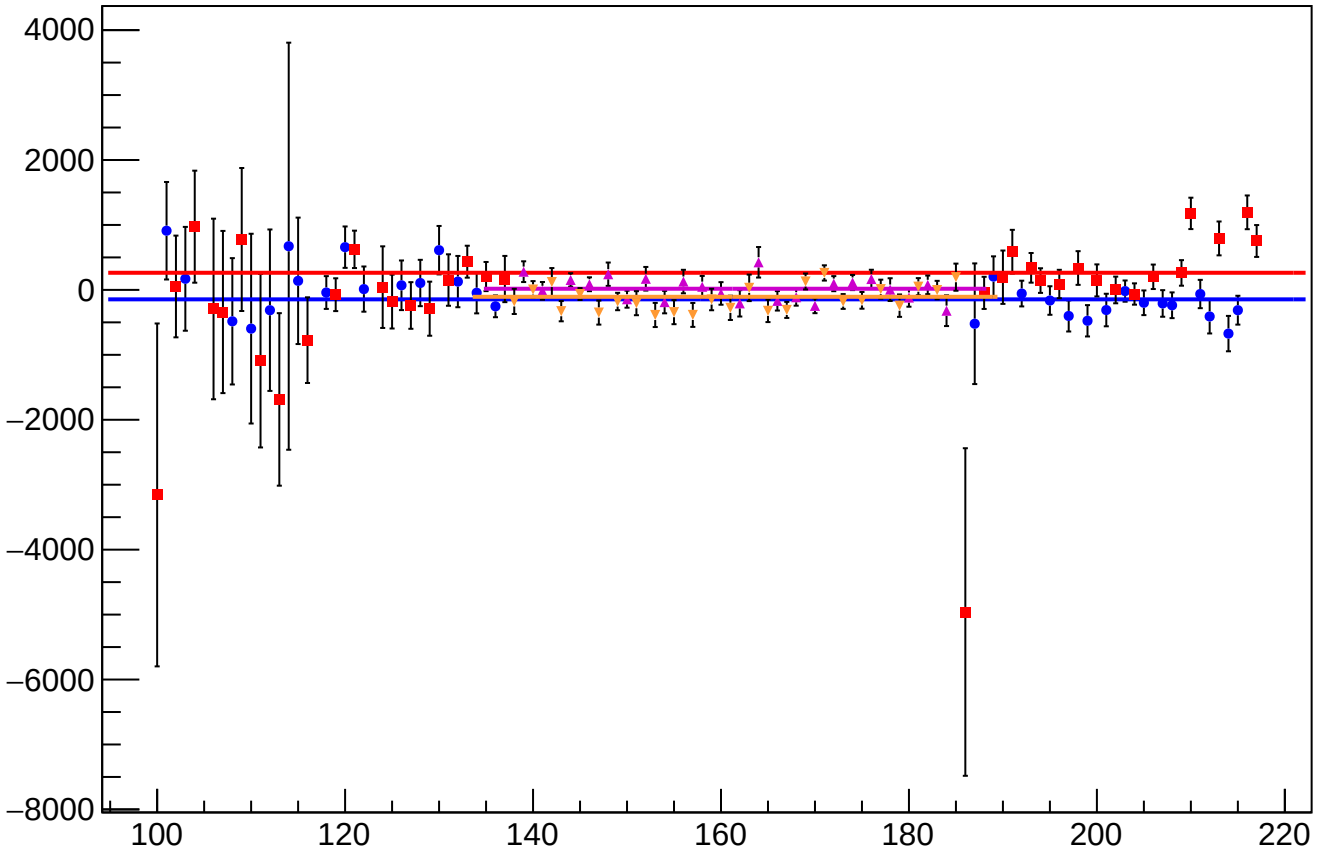
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.526+/-0.006 χ^2/NDF: 3789225.6/66

In: 42.794+/-0.005 χ^2/NDF:3395955.8/53

Out: 42.944+/-0.005 χ^2/NDF:4657278.0/60

All: 42.871+/-0.004 χ^2/NDF: 8053680.0/114



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: 263.521+/-48.947 χ^2/NDF: 67.0/35

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

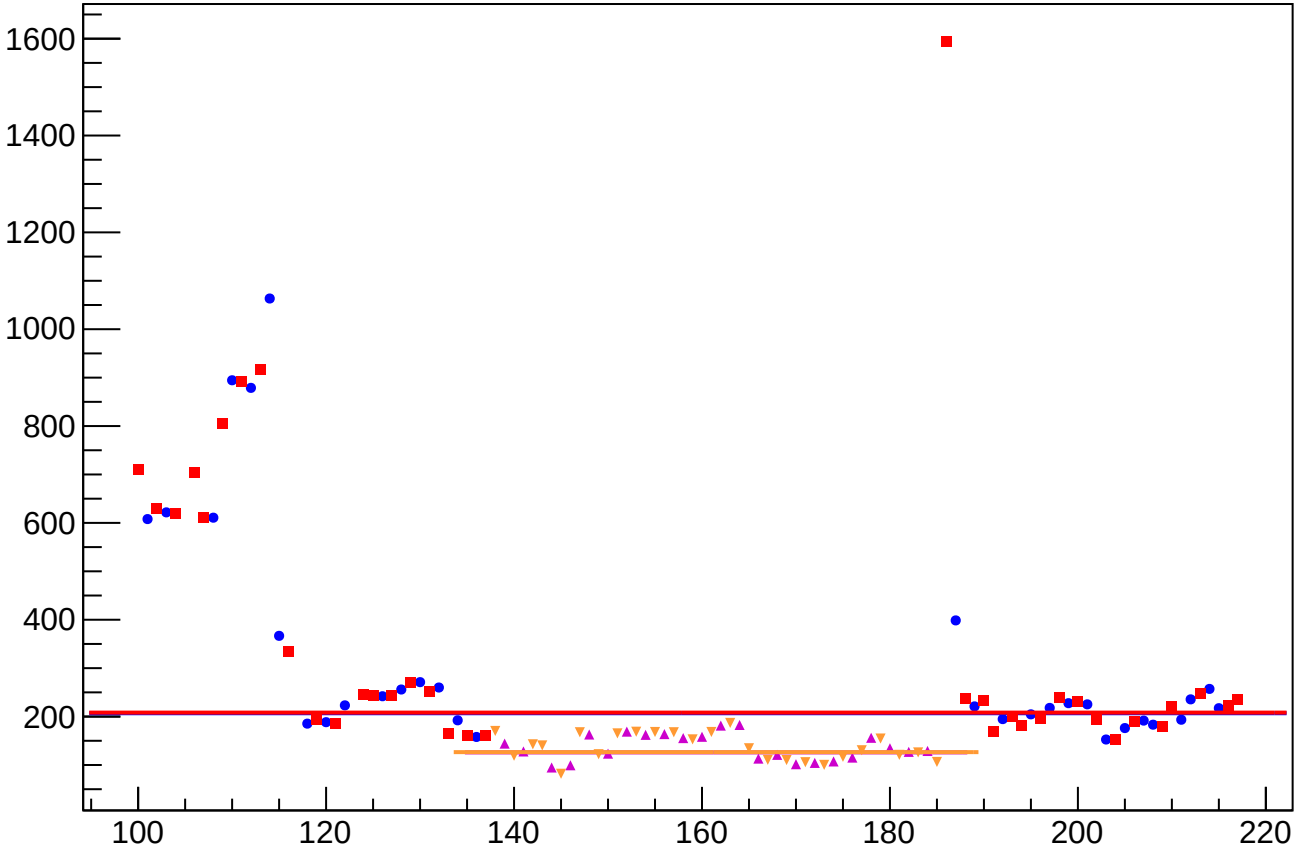
Right: 61.637+/-34.843 χ^2/NDF: 128.2/66

In: -26.597+/-25.787 χ^2/NDF:62.9/53

Out: -7.600+/-25.306 χ^2/NDF:146.5/60

All: -16.919+/-18.062 χ^2/NDF: 209.7/114

asym_sam_37_26_dd_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: 208.213+/-0.035 χ^2/NDF: 4786576.2/35

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

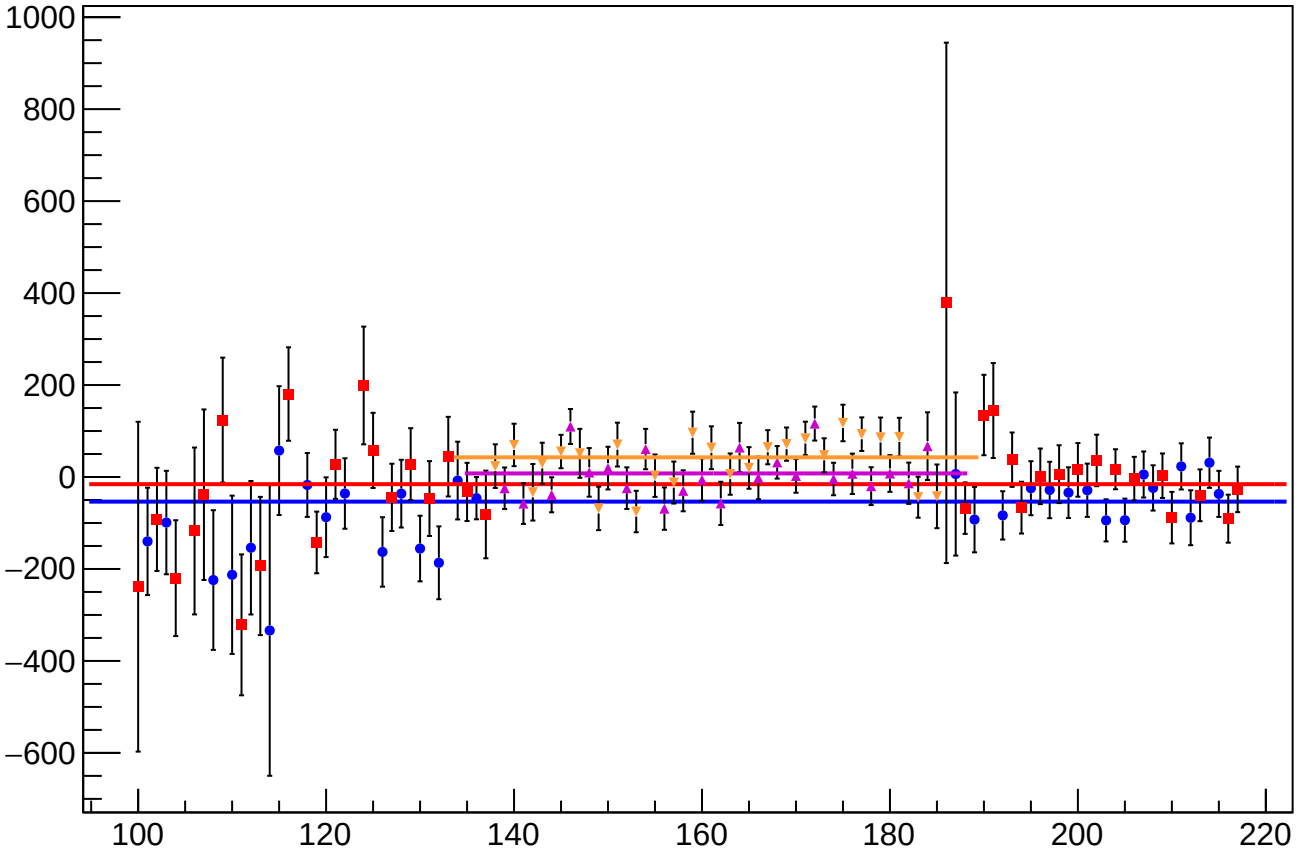
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.551+/-0.025 χ^2/NDF: 8365219.5/66

In: 147.860+/-0.018 χ^2/NDF:8866006.3/53

Out: 148.386+/-0.018 χ^2/NDF:10622735.6/60

All: 148.128+/-0.013 χ^2/NDF: 19489165.9/1



Right In: -53.557+/-11.866 χ^2/NDF: 22.5/30

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -15.604+/-11.827 χ^2/NDF: 37.6/35

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

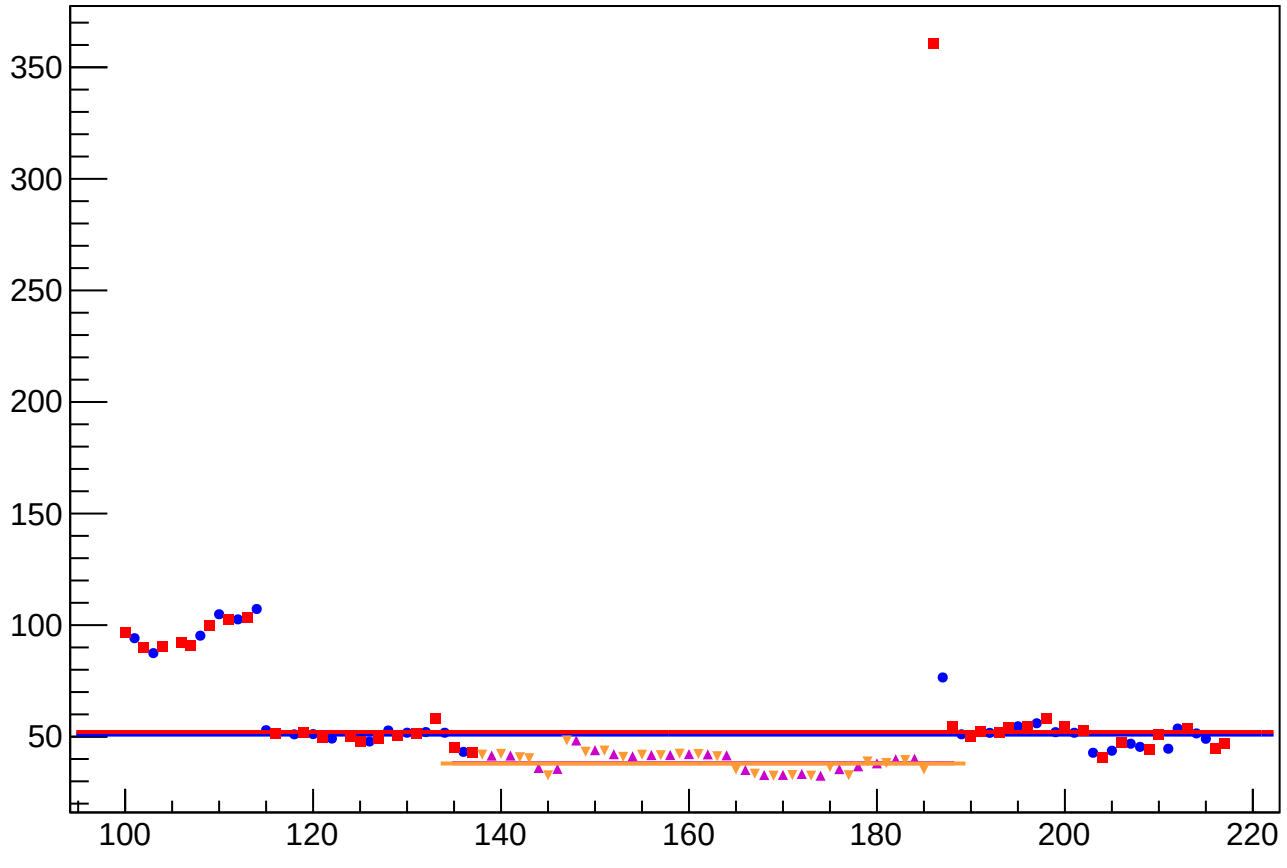
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -34.518+/-8.377 χ^2/NDF: 65.2/66

In: -14.535+/-7.158 χ^2/NDF:70.1/53

Out: 22.278+/-7.007 χ^2/NDF:88.1/60

All: 4.263+/-5.007 χ^2/NDF: 171.7/114



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: 52.104+/-0.008 χ^2/NDF: 2295174.1/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

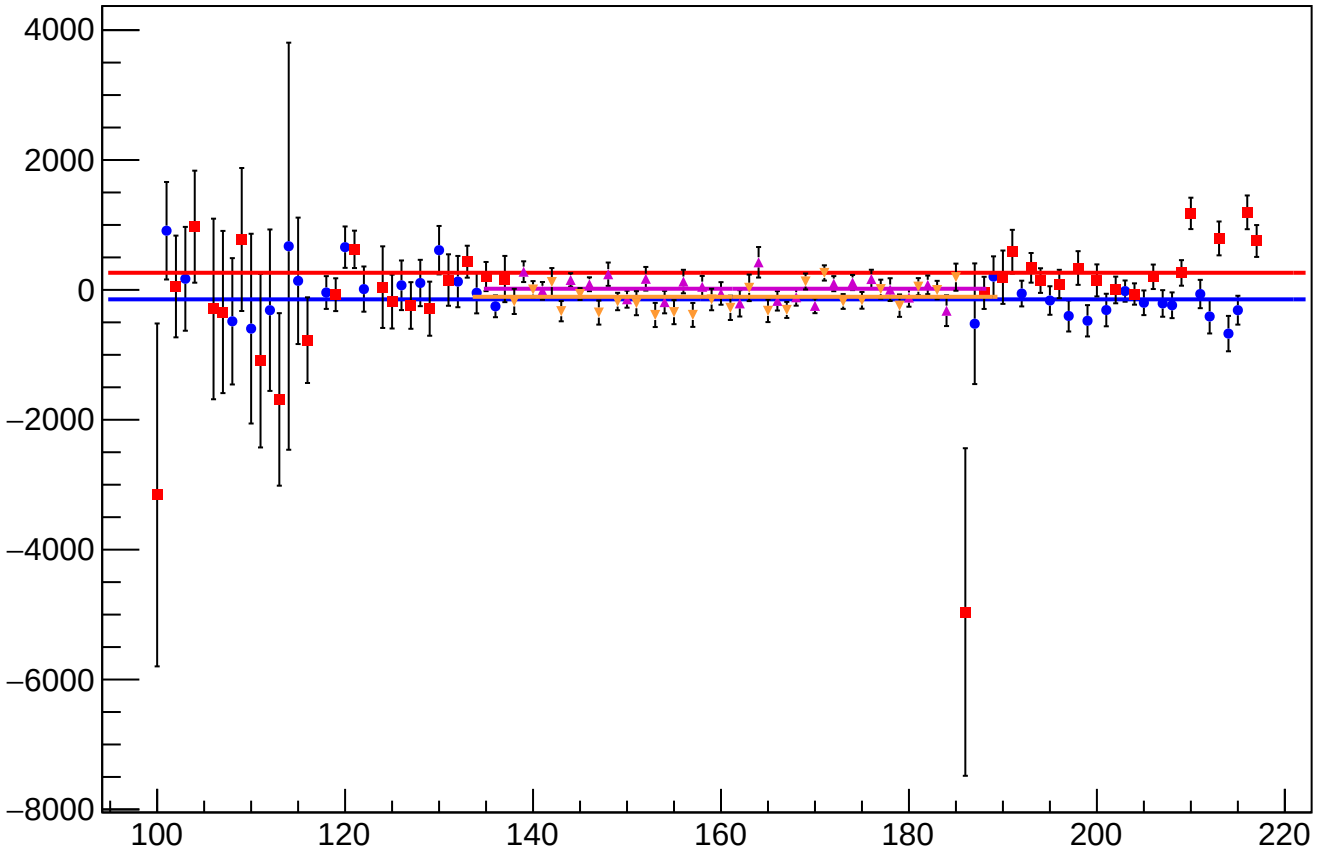
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.526+/-0.006 χ^2/NDF: 3789225.6/66

In: 42.794+/-0.005 χ^2/NDF:3395955.8/53

Out: 42.944+/-0.005 χ^2/NDF:4657278.0/60

All: 42.871+/-0.004 χ^2/NDF: 8053680.0/114



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: 263.521+/-48.947 χ^2/NDF: 67.0/35

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

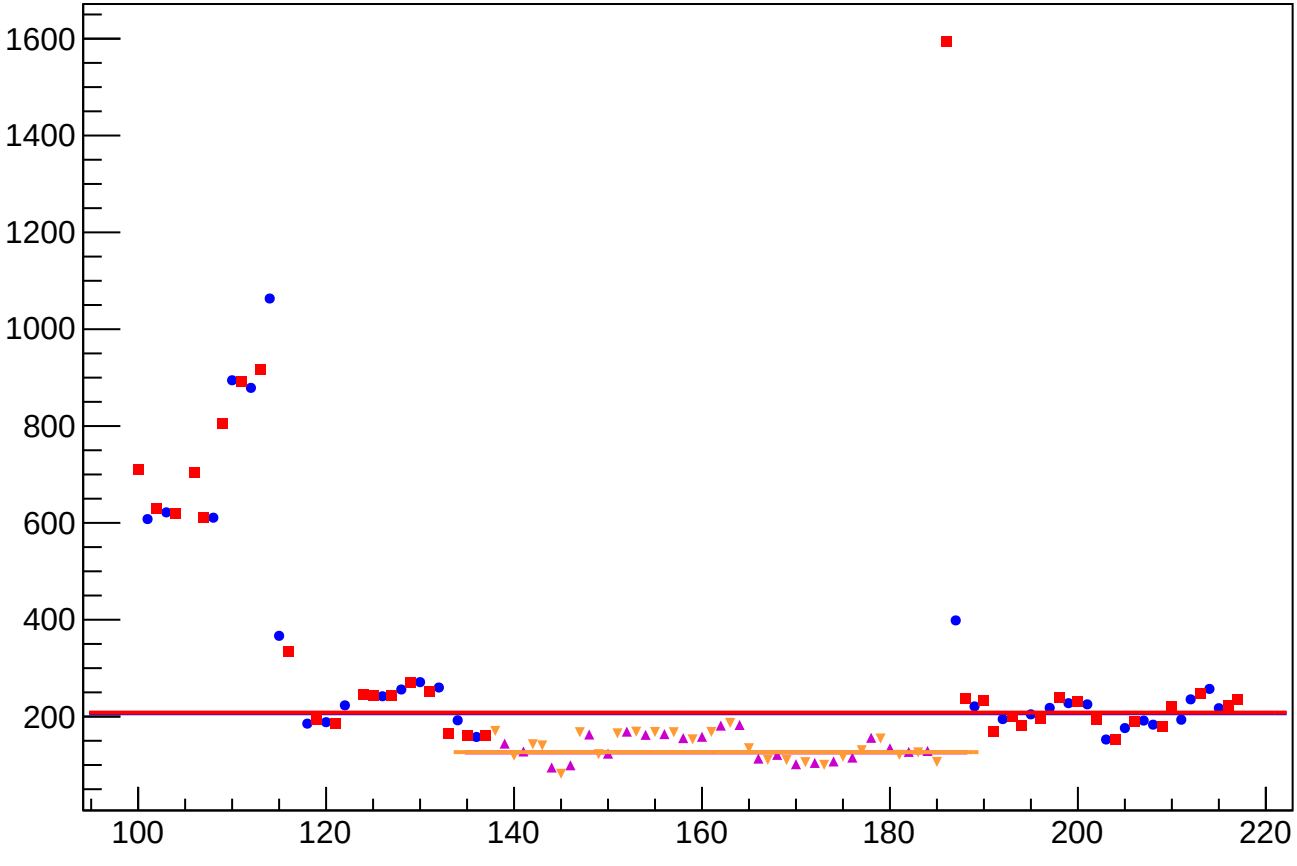
Right: 61.637+/-34.843 χ^2/NDF: 128.2/66

In: -26.597+/-25.787 χ^2/NDF:62.9/53

Out: -7.600+/-25.306 χ^2/NDF:146.5/60

All: -16.919+/-18.062 χ^2/NDF: 209.7/114

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: 208.213+/-0.035 χ^2/NDF: 4786576.2/35

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

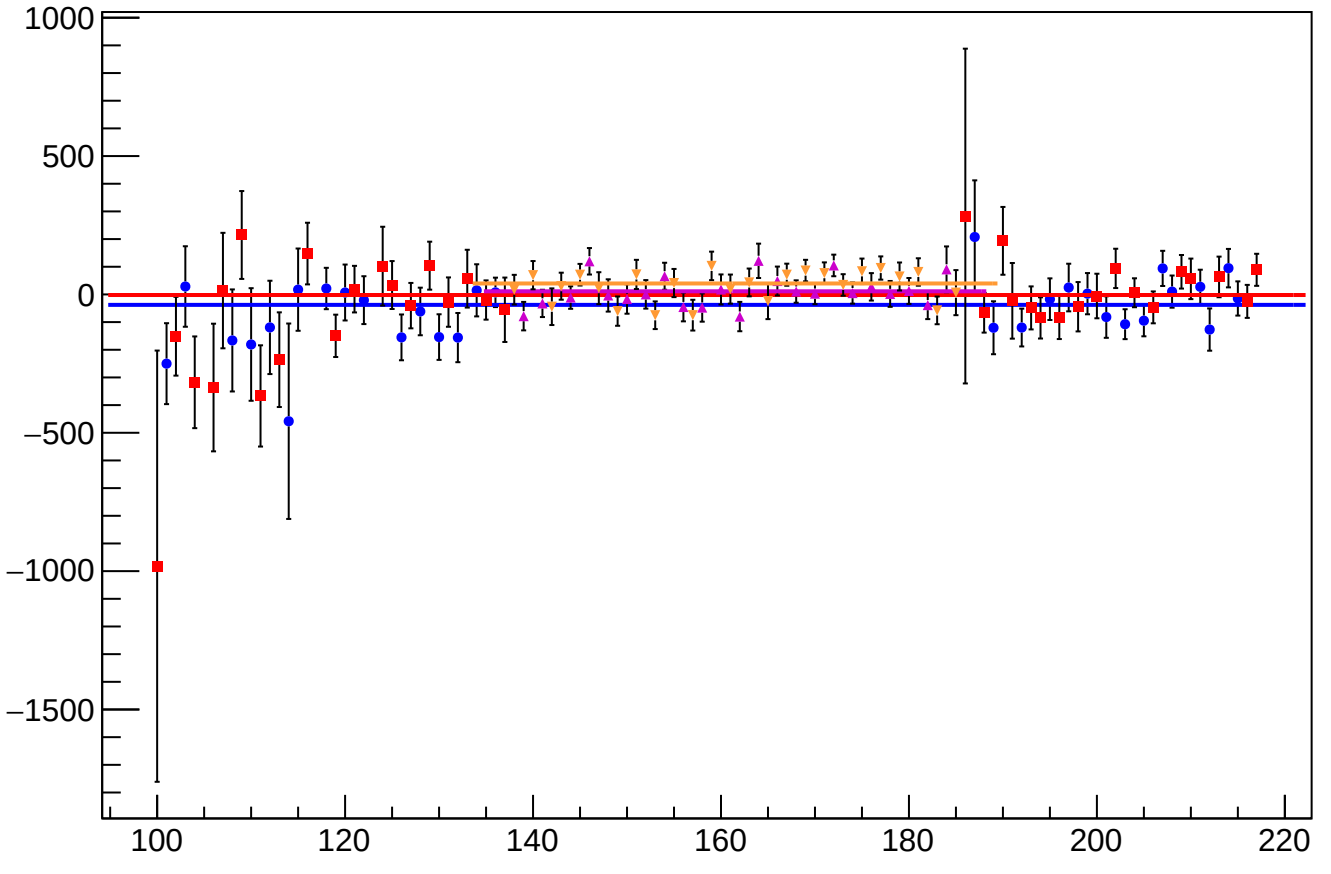
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.551+/-0.025 χ^2/NDF: 8365219.5/66

In: 147.860+/-0.018 χ^2/NDF:8866006.3/53

Out: 148.386+/-0.018 χ^2/NDF:10622735.6/60

All: 148.128+/-0.013 χ^2/NDF: 19489165.9/1



Right In: -37.758+/-14.453 χ^2/NDF: 31.6/30

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -2.115+/-14.476 χ^2/NDF: 39.7/35

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

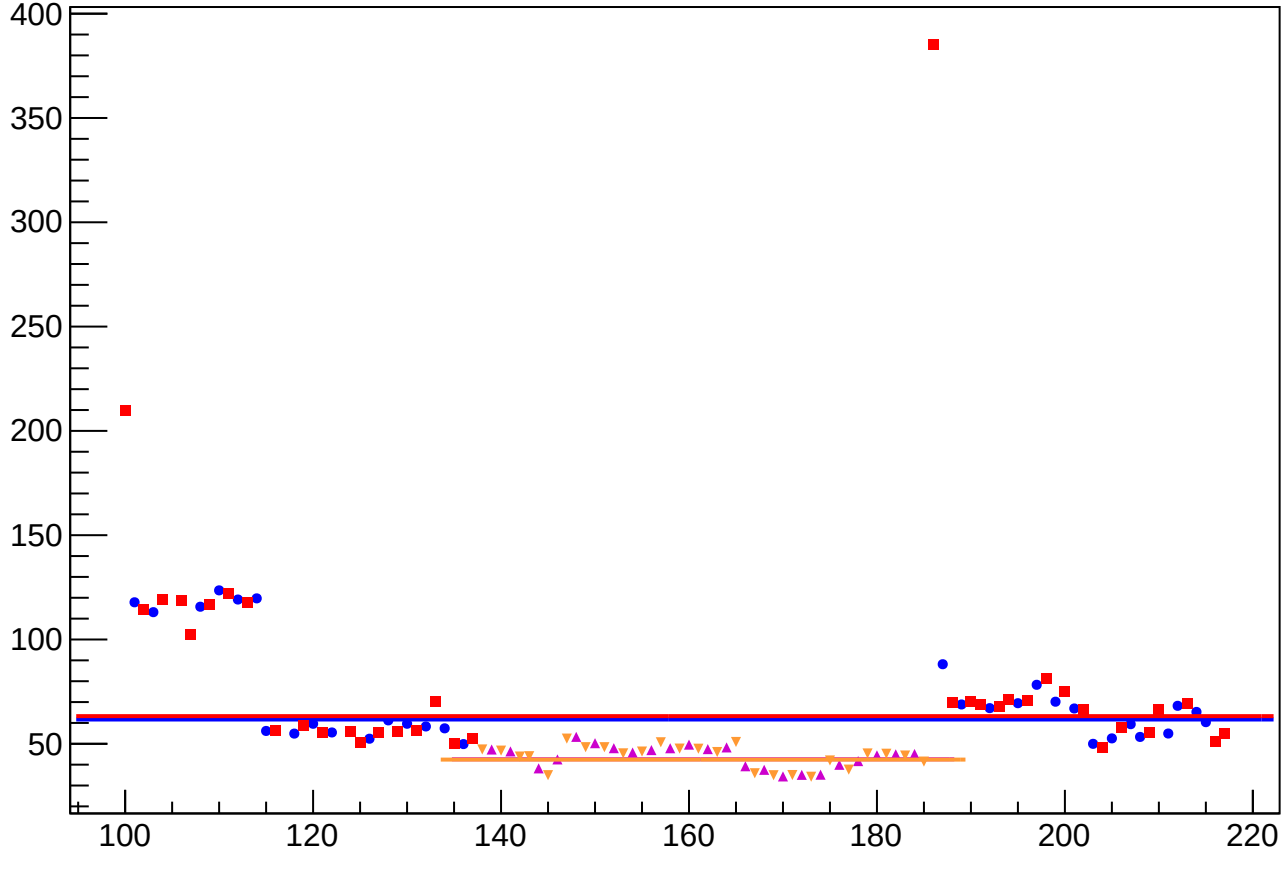
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -19.964+/-10.228 χ^2/NDF: 74.4/66

In: -4.743+/-8.266 χ^2/NDF:67.3/53

Out: 26.565+/-8.084 χ^2/NDF:75.0/60

All: 11.260+/-5.780 χ^2/NDF: 149.7/114



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: 63.258+/-0.010 χ^2/NDF: 2721900.2/35

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

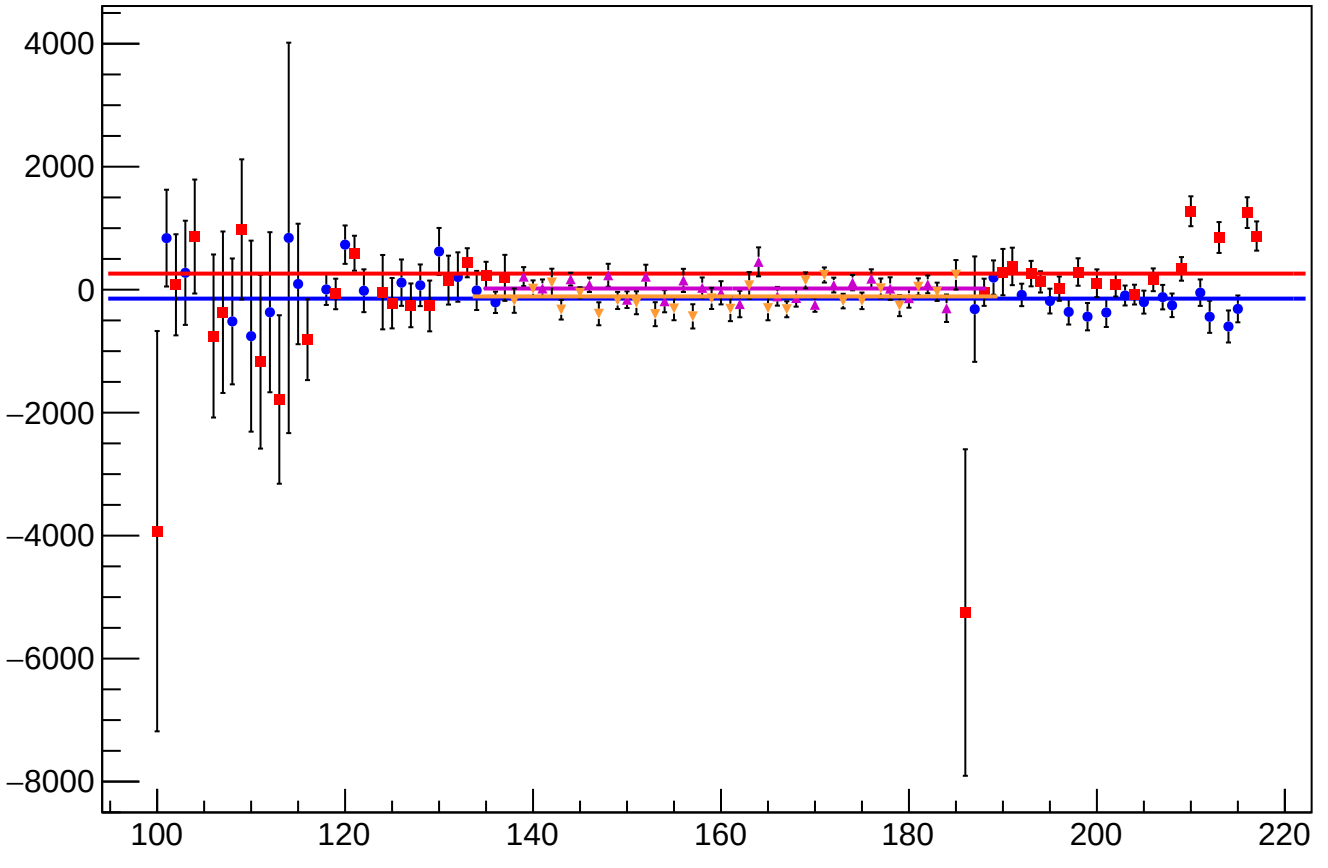
Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

Right: 62.450+/-0.007 χ^2/NDF: 4508175.2/66

In: 48.815+/-0.006 χ^2/NDF:4705545.1/53

Out: 48.923+/-0.006 χ^2/NDF:6270858.4/60

All: 48.870+/-0.004 χ^2/NDF: 10976576.7/114



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: 261.391+/-46.595 χ^2/NDF: 78.5/35

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

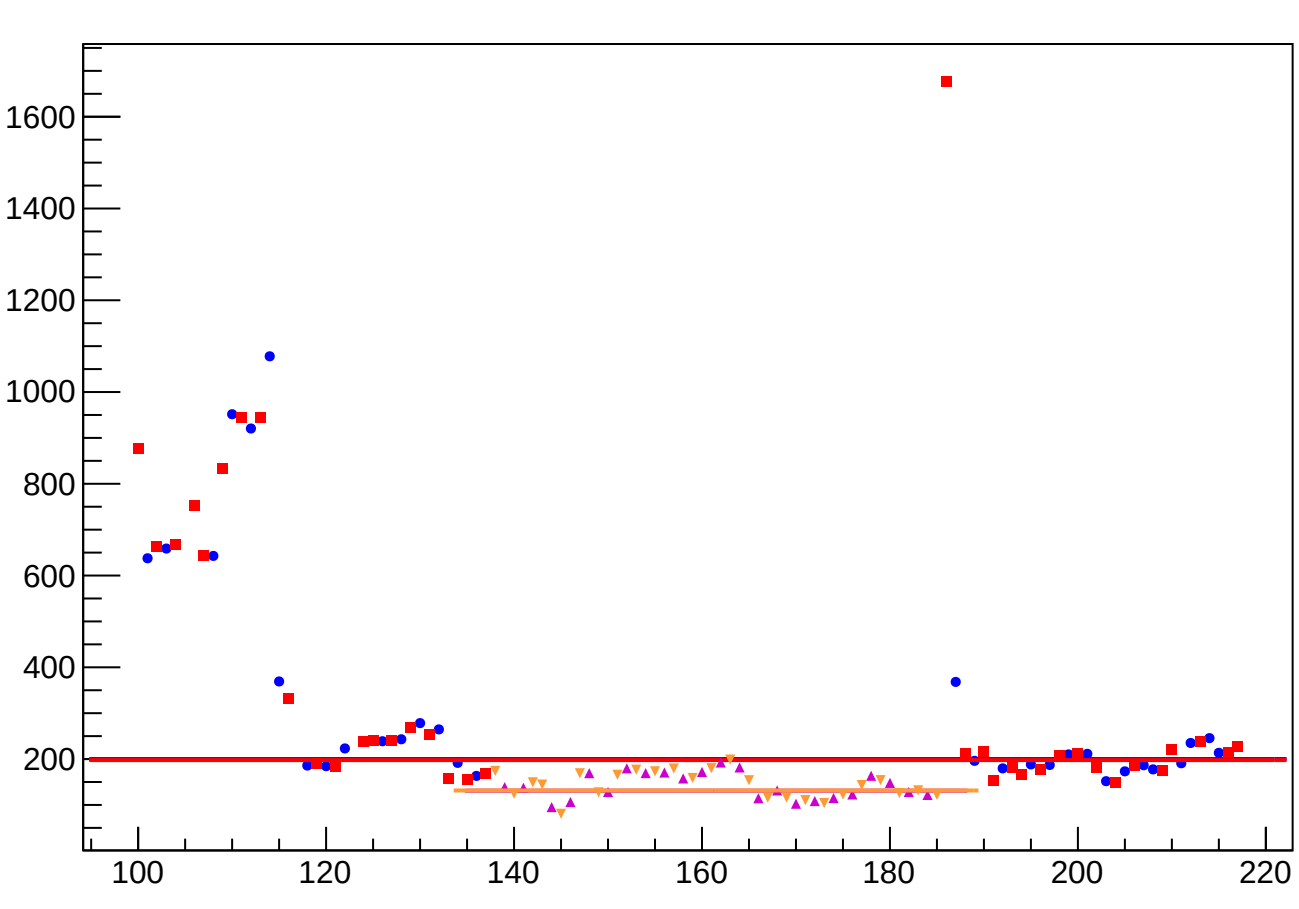
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 63.977+/-33.435 χ^2/NDF: 143.2/66

In: -30.594+/-26.323 χ^2/NDF:63.1/53

Out: 2.812+/-25.670 χ^2/NDF:159.0/60

All: -13.472+/-18.378 χ^2/NDF: 222.9/114



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: 197.753+/-0.033 χ^2/NDF: 5112919.6/35

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

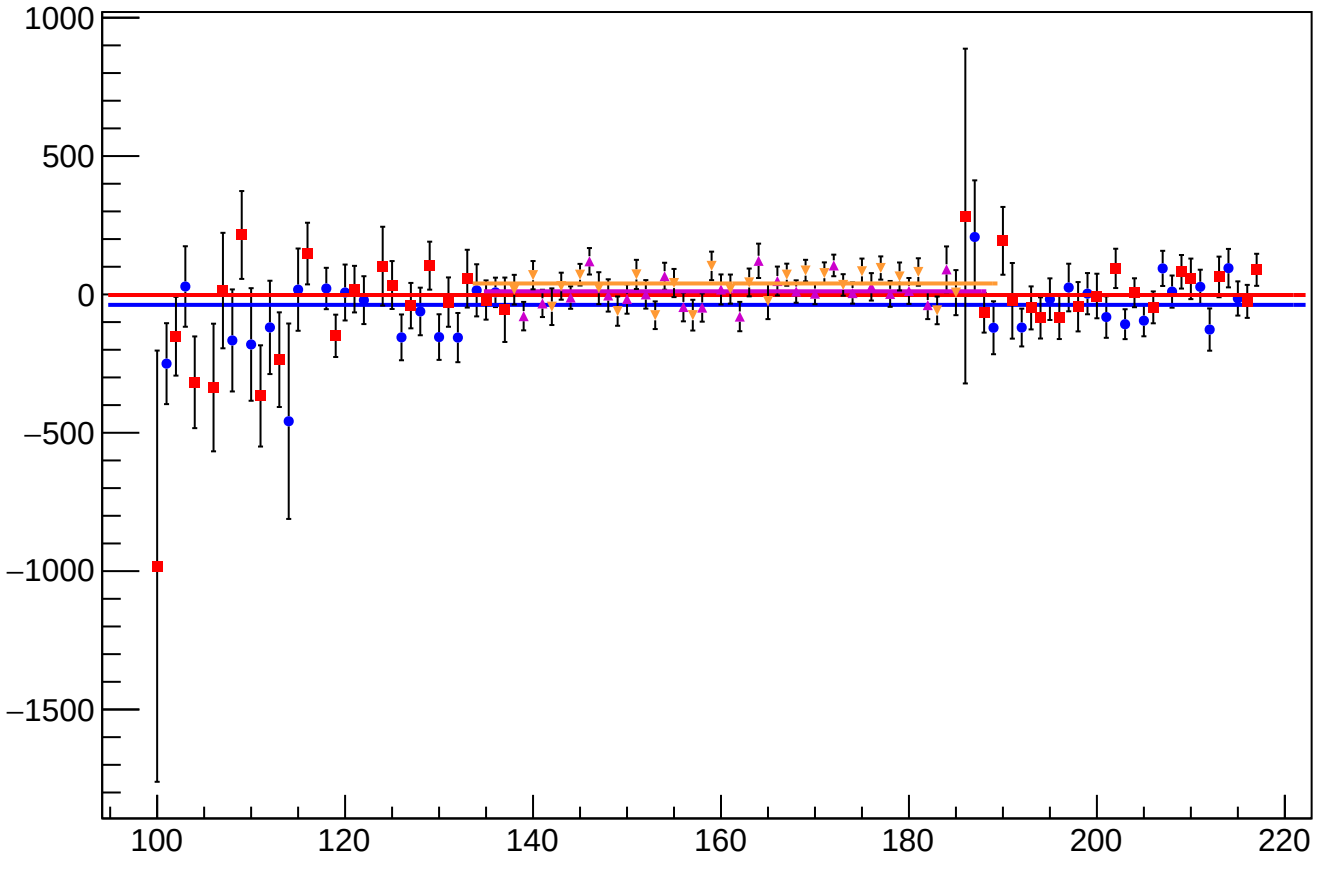
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 198.822+/-0.024 χ^2/NDF: 8776928.8/66

In: 151.785+/-0.019 χ^2/NDF:8009459.1/53

Out: 151.619+/-0.018 χ^2/NDF:9830886.4/60

All: 151.700+/-0.013 χ^2/NDF: 17840386.1/11



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: -2.116+/-14.476 χ^2/NDF: 39.7/35

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

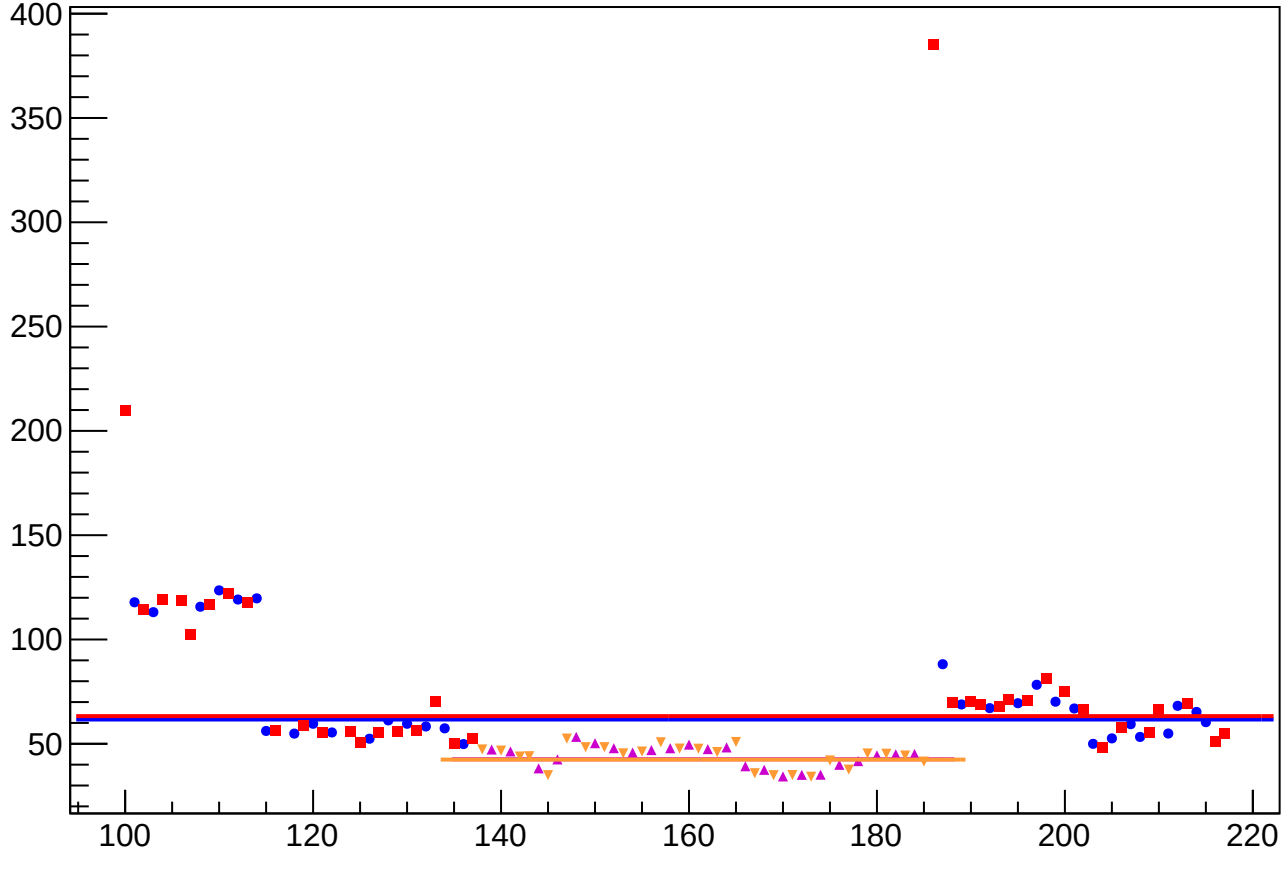
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -19.964+/-10.228 χ^2/NDF: 74.4/66

In: -4.743+/-8.266 χ^2/NDF:67.3/53

Out: 26.566+/-8.084 χ^2/NDF:75.0/60

All: 11.260+/-5.780 χ^2/NDF: 149.7/114



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: 63.258+/-0.010 χ^2/NDF: 2721867.9/35

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

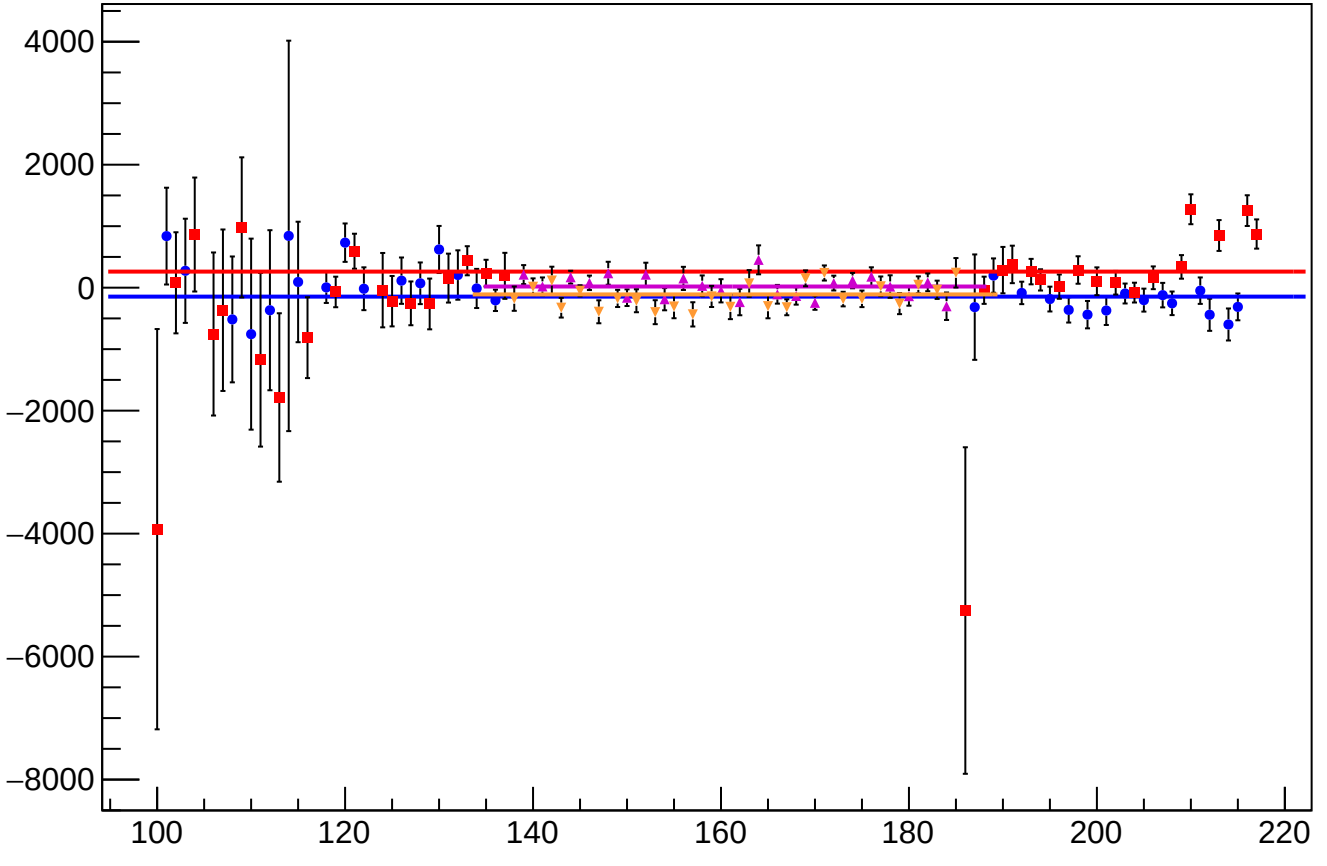
Right: 62.450+/-0.007 χ^2/NDF: 4508136.6/66

In: 48.815+/-0.006 χ^2/NDF:4705530.0/53

Out: 48.923+/-0.006 χ^2/NDF:6270908.0/60

All: 48.870+/-0.004 χ^2/NDF: 10976611.1/114

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: 261.389+/-46.595 χ^2/NDF: 78.5/35

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

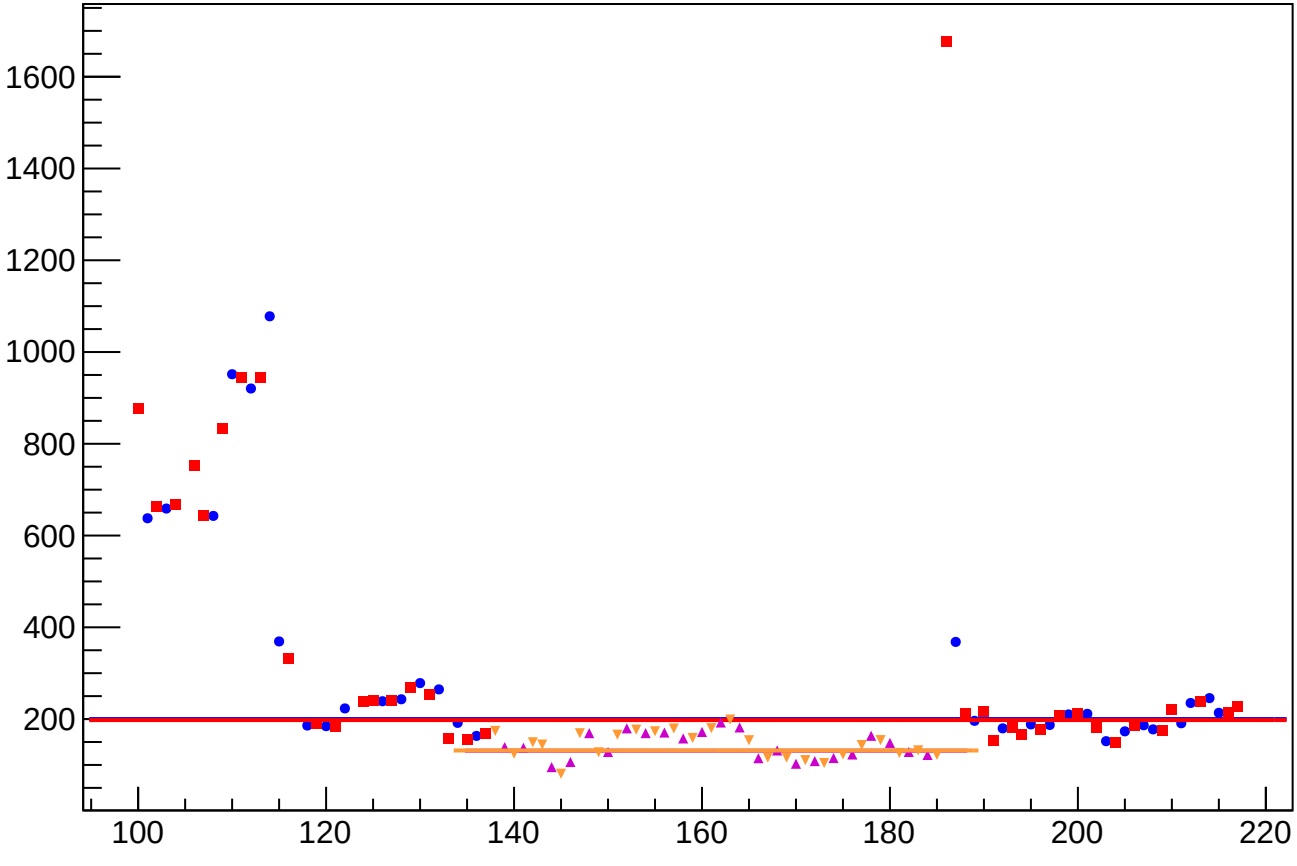
Right: 63.976+/-33.435 χ^2/NDF: 143.2/66

In: -30.594+/-26.323 χ^2/NDF:63.1/53

Out: 2.812+/-25.670 χ^2/NDF:159.0/60

All: -13.471+/-18.378 χ^2/NDF: 222.9/114

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: 197.752+/-0.033 χ^2/NDF: 5112928.8/35

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

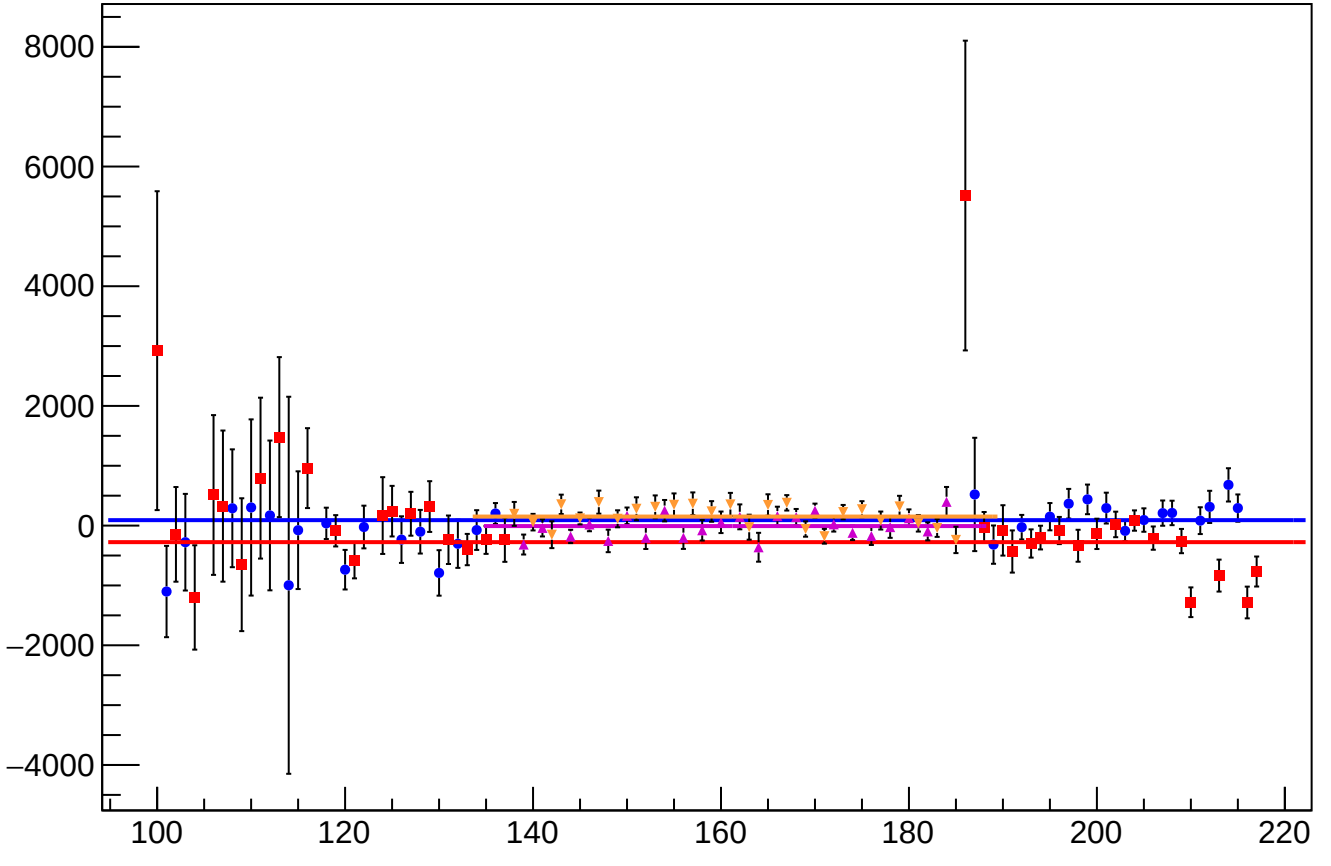
Right: 198.822+/-0.024 χ^2/NDF: 8776938.2/66

In: 151.785+/-0.019 χ^2/NDF:8009406.3/53

Out: 151.619+/-0.018 χ^2/NDF:9830824.6/60

All: 151.700+/-0.013 χ^2/NDF: 17840271.6/11

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: -276.418+/-50.555 χ^2/NDF: 69.8/35

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

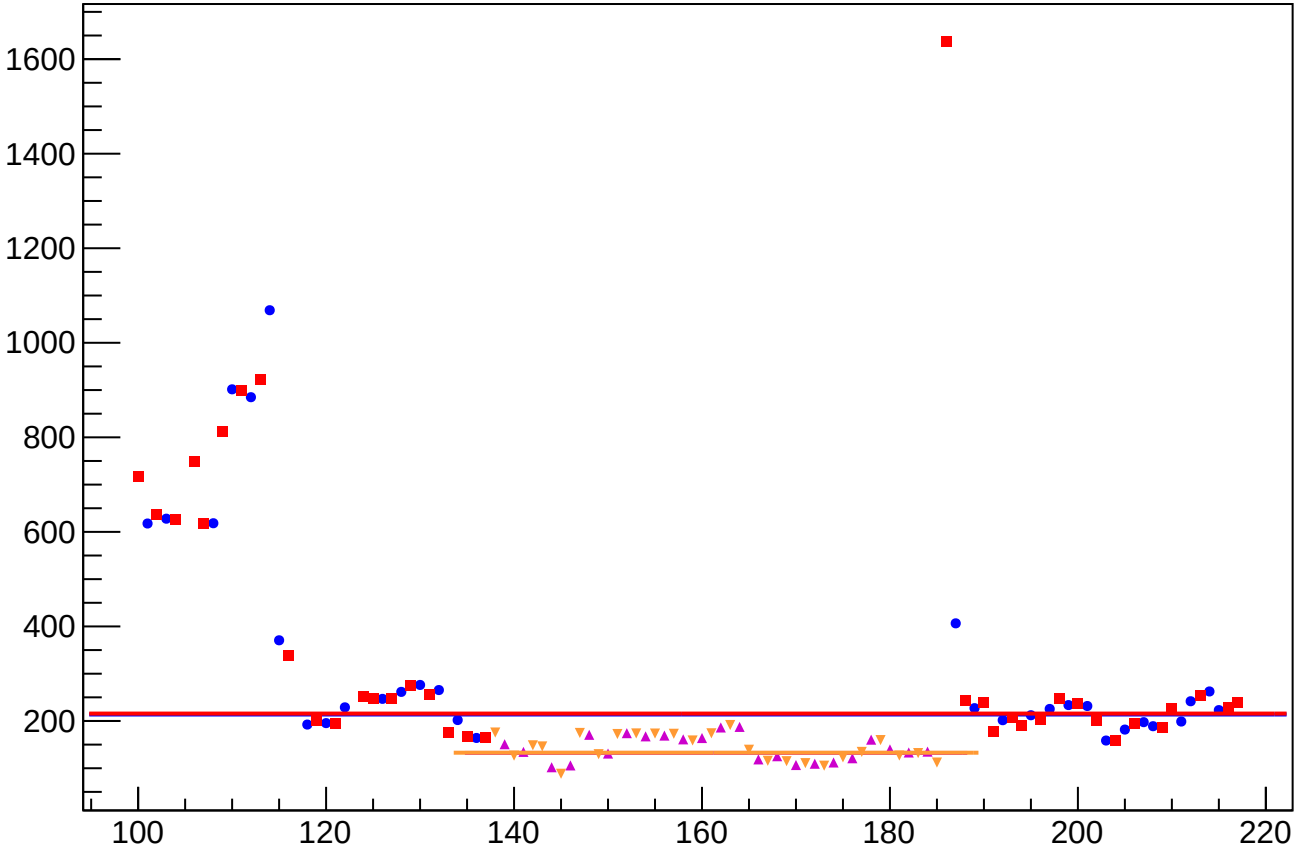
Right: -94.864+/-35.959 χ^2/NDF: 126.9/66

In: 19.425+/-26.898 χ^2/NDF:63.2/53

Out: 34.546+/-26.397 χ^2/NDF:154.9/60

All: 27.128+/-18.840 χ^2/NDF: 218.2/114

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: 215.657+/-0.036 χ^2/NDF: 4723065.5/35

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

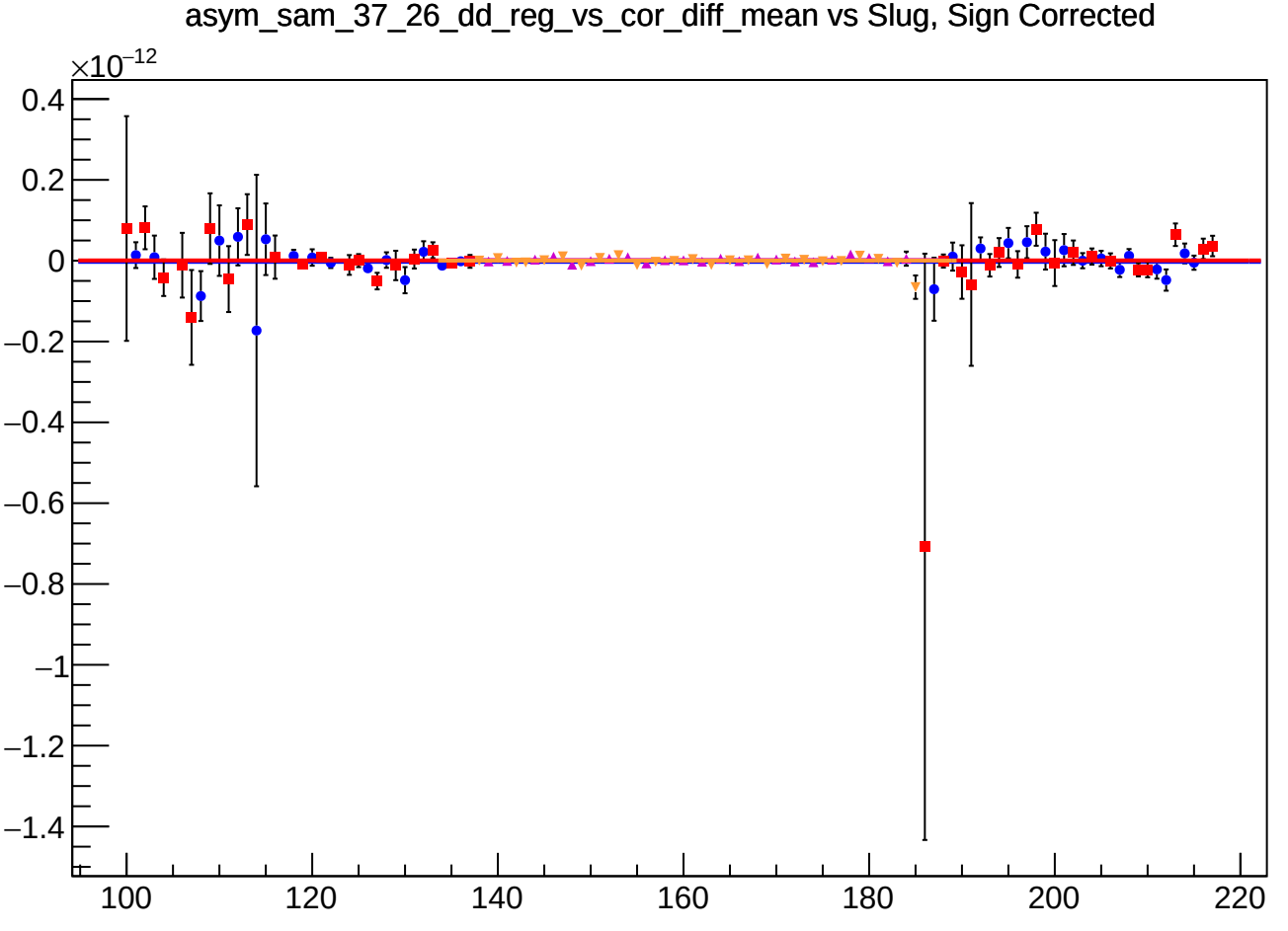
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 214.682+/-0.025 χ^2/NDF: 8203171.3/66

In: 154.827+/-0.019 χ^2/NDF:8414763.2/53

Out: 155.446+/-0.019 χ^2/NDF:10215908.7/60

All: 155.142+/-0.013 χ^2/NDF: 18631210.0/11



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: 36.1/35

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

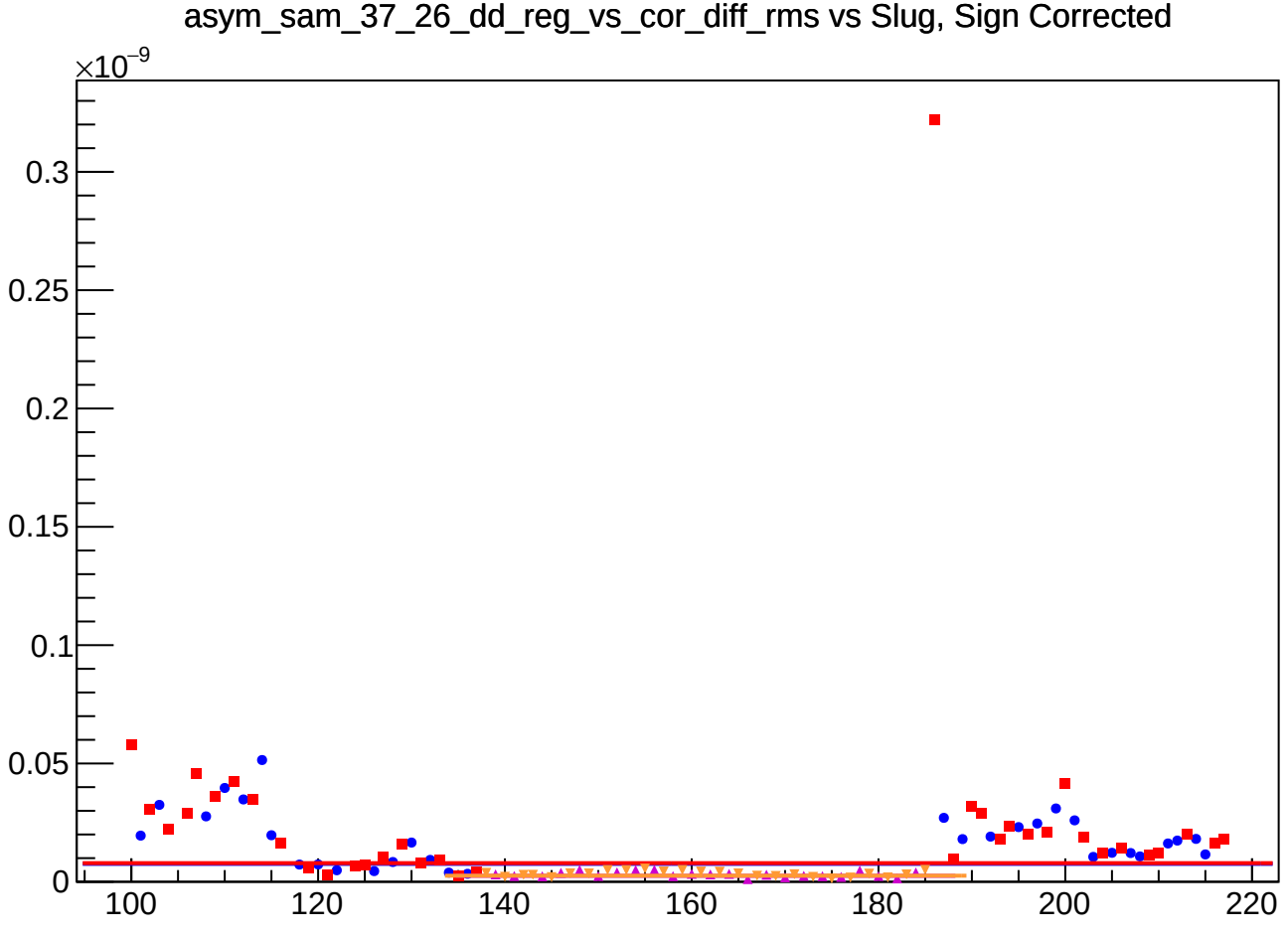
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 61.0/66

In: 0.000+/-0.000 χ^2/NDF:40.7/53

Out: 0.000+/-0.000 χ^2/NDF:68.3/60

All: 0.000+/-0.000 χ^2/NDF: 109.2/114



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: 8486212.3/35

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

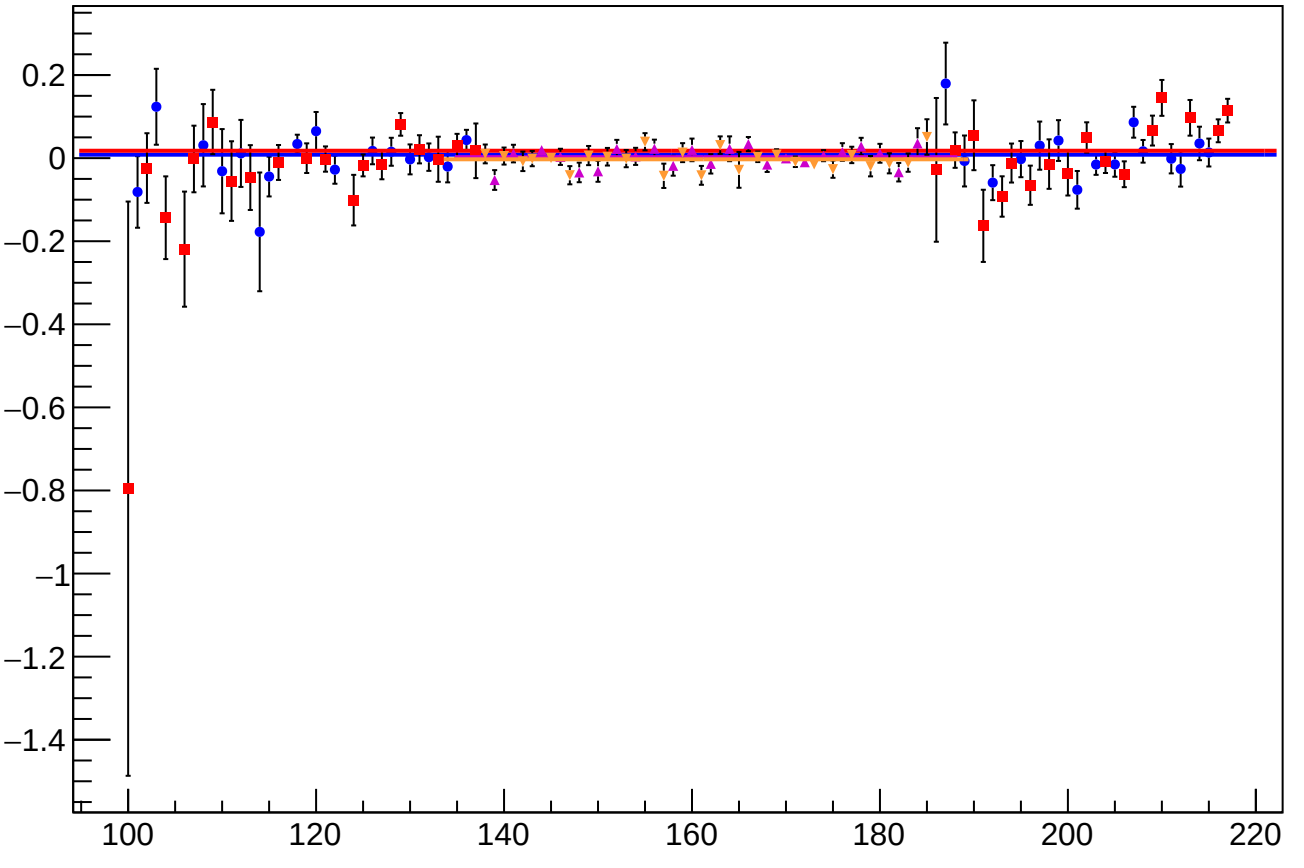
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15743283.6/66

In: 0.000+/-0.000 χ^2/NDF:13355861.4/53

Out: 0.000+/-0.000 χ^2/NDF:15260432.0/60

All: 0.000+/-0.000 χ^2/NDF: 28616293.4/114



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: 0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

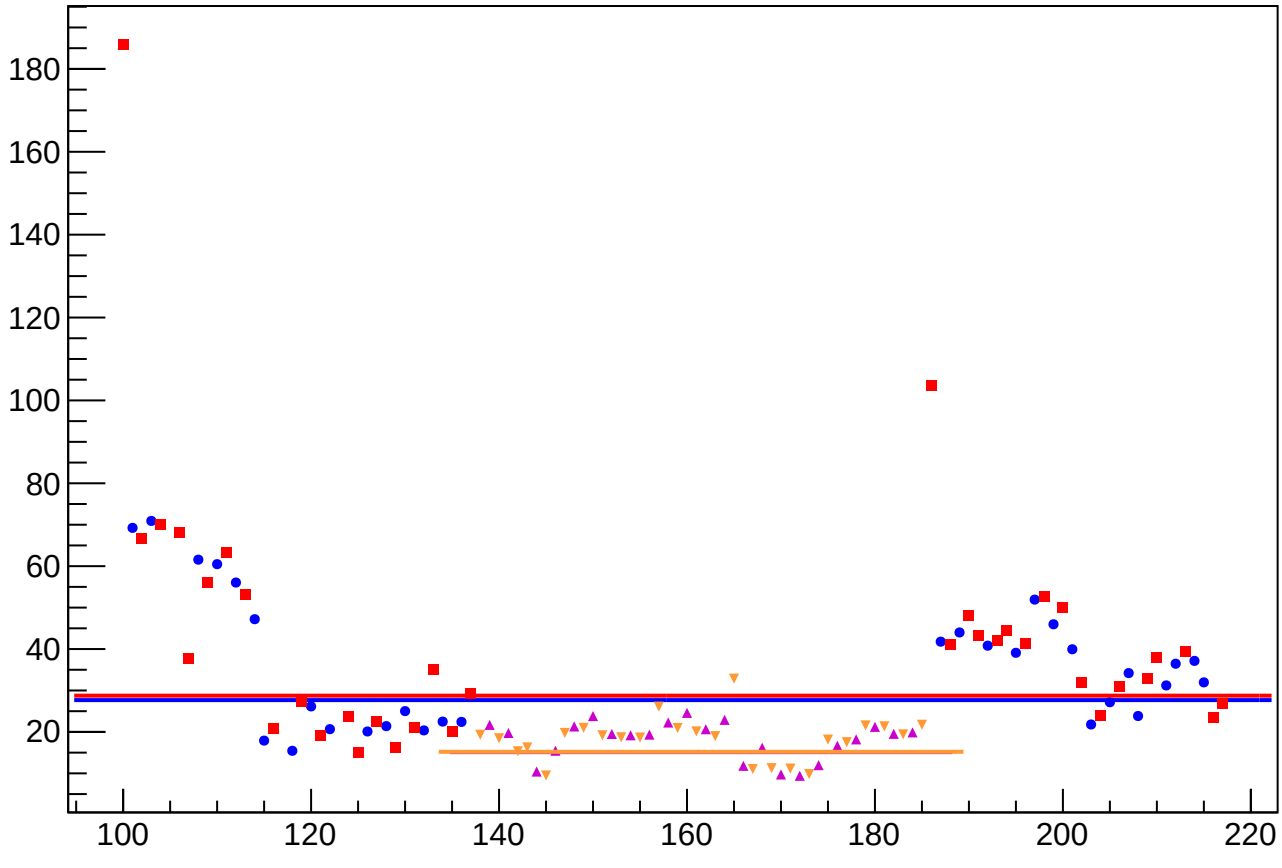
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.013+/-0.005 χ^2/NDF: 101.4/66

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: 0.002+/-0.003 χ^2/NDF:100.2/60

All: 0.003+/-0.002 χ^2/NDF: 157.5/114



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: 28.749+/-0.005 χ^2/NDF: 5642531.7/35

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

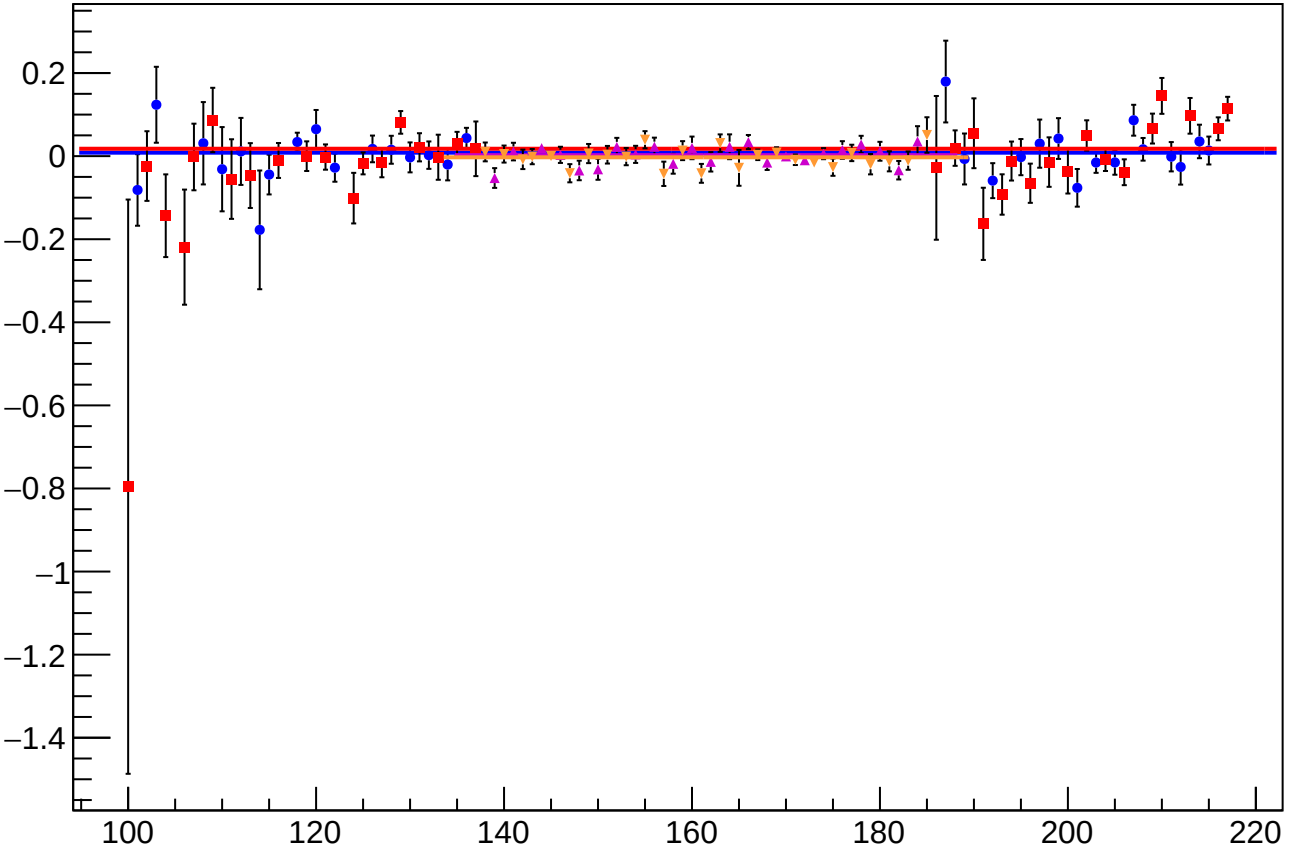
Right: 28.208+/-0.003 χ^2/NDF: 10248434.8/66

In: 18.033+/-0.002 χ^2/NDF:12992024.7/53

Out: 18.150+/-0.002 χ^2/NDF:14904852.1/60

All: 18.093+/-0.002 χ^2/NDF: 27898124.4/114

asym_sam_37_26_dd_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: 0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

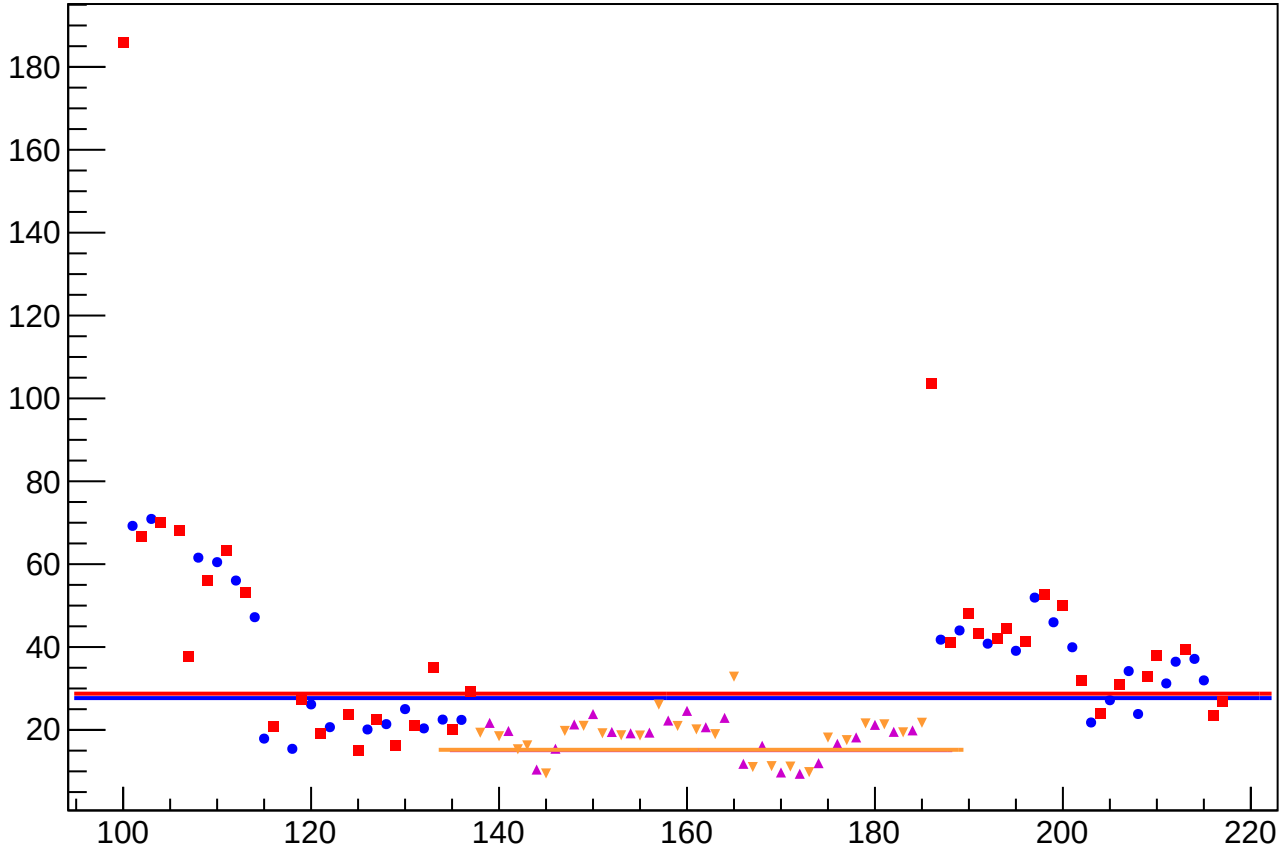
Right: 0.013+/-0.005 χ^2/NDF: 101.4/66

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: 0.002+/-0.003 χ^2/NDF:100.2/60

All: 0.003+/-0.002 χ^2/NDF: 157.5/114

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: 28.749+/-0.005 χ^2/NDF: 5642531.7/35

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

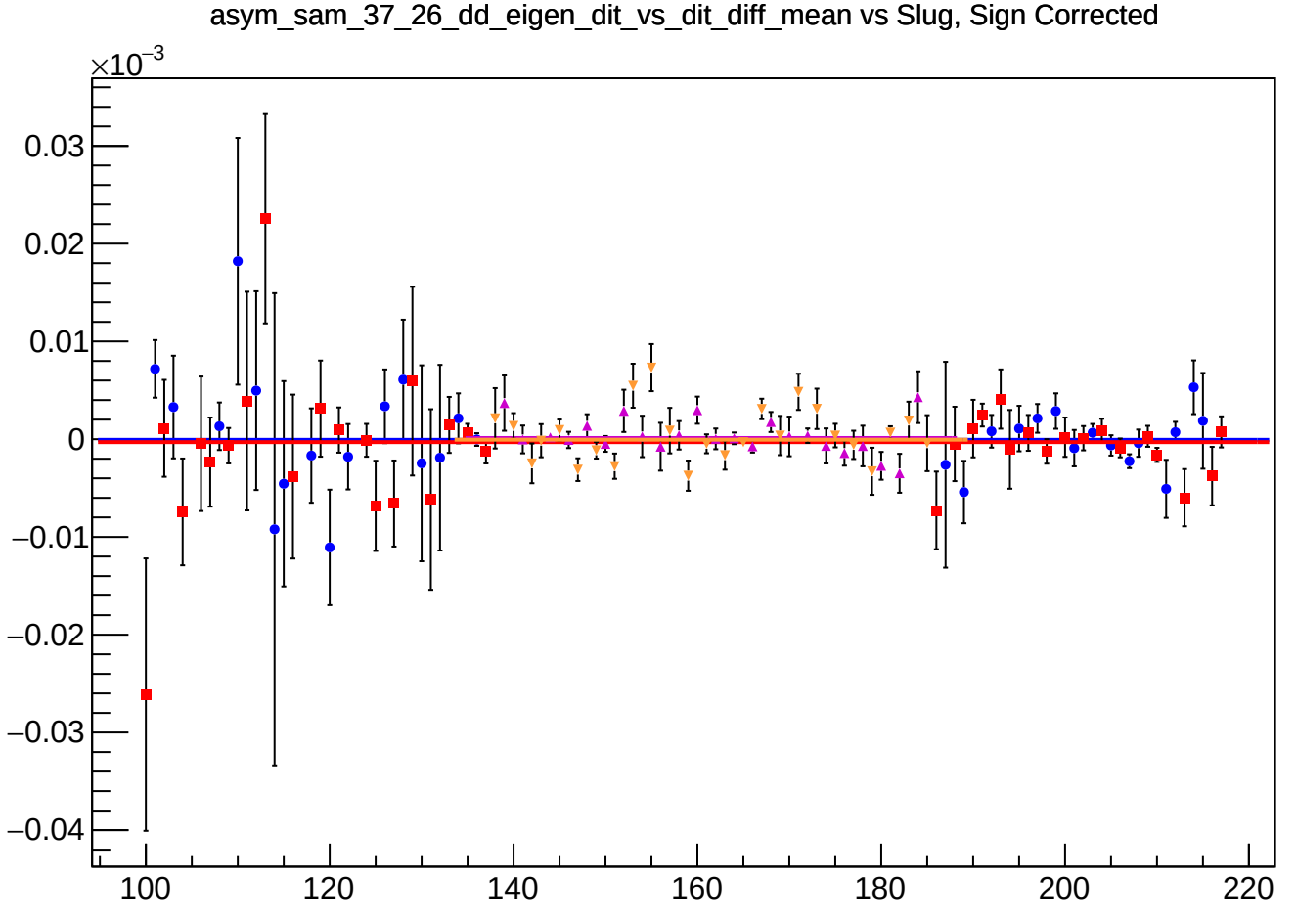
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 28.208+/-0.003 χ^2/NDF: 10248434.8/66

In: 18.033+/-0.002 χ^2/NDF:12992024.7/53

Out: 18.150+/-0.002 χ^2/NDF:14904852.1/60

All: 18.093+/-0.002 χ^2/NDF: 27898124.4/114



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: 40.5/35

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

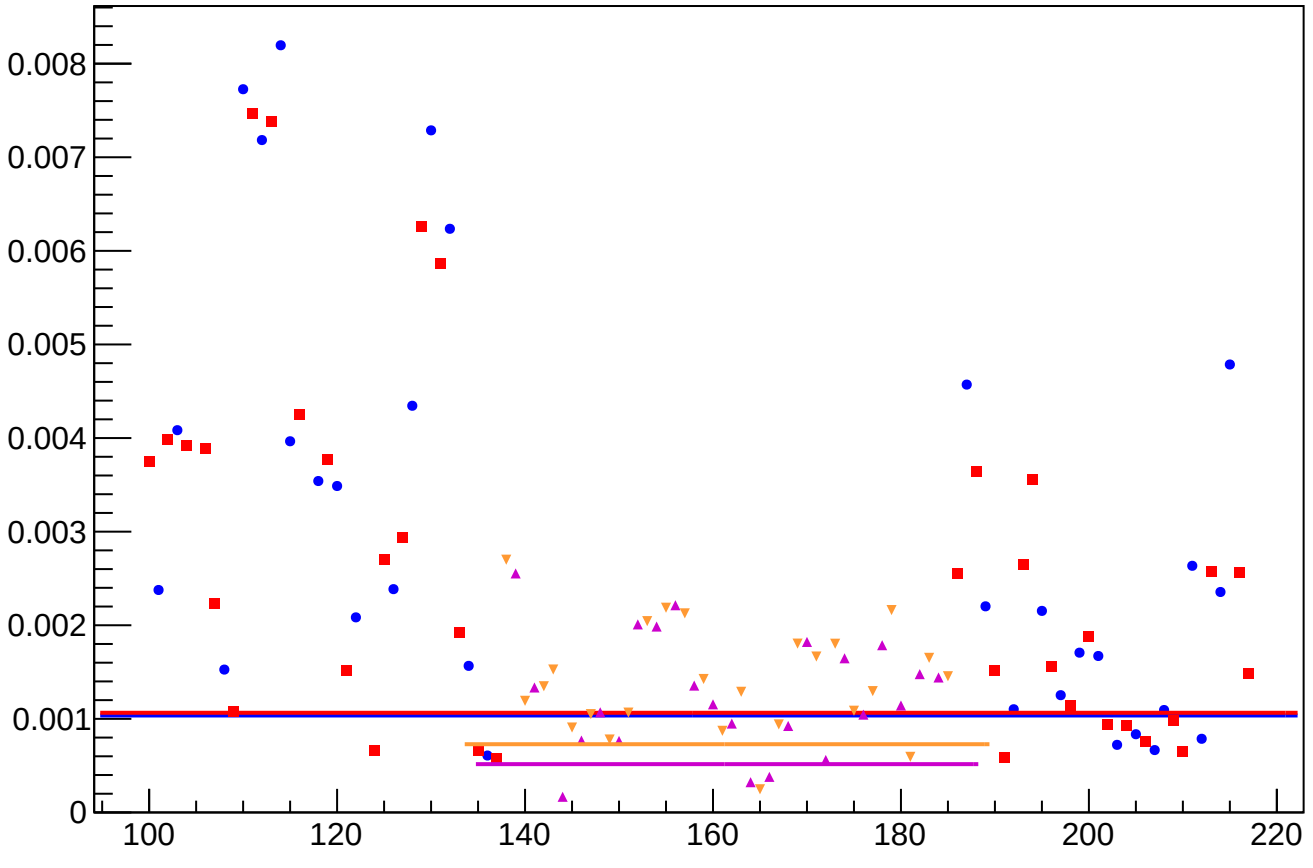
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 83.1/66

In: 0.000+/-0.000 χ^2/NDF:68.1/53

Out: -0.000+/-0.000 χ^2/NDF:103.8/60

All: -0.000+/-0.000 χ^2/NDF: 172.7/114



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: 12288594.5/35

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

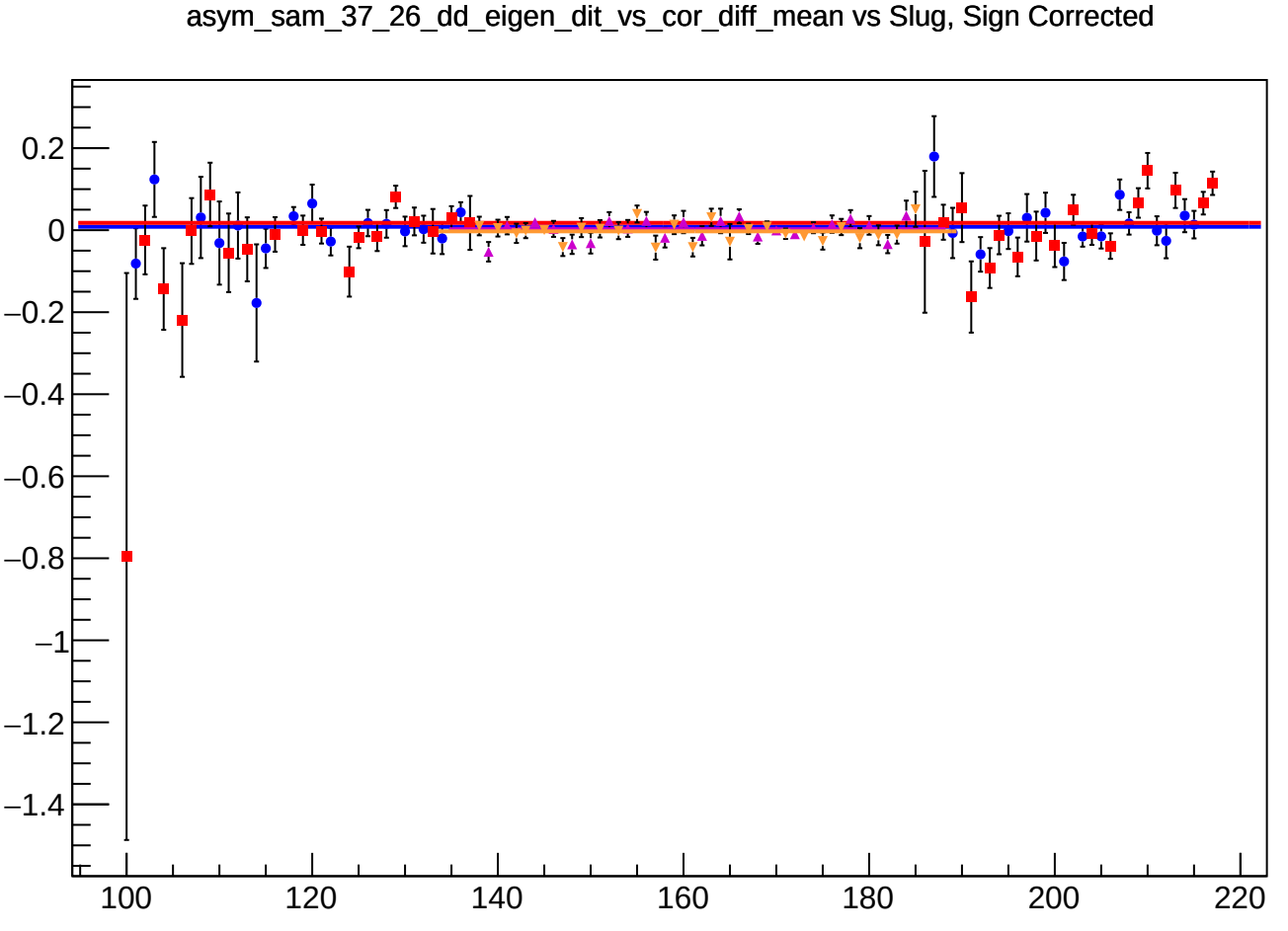
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 24047566.4/66

In: 0.001+/-0.000 χ^2/NDF:31140985.4/53

Out: 0.001+/-0.000 χ^2/NDF:27120988.0/60

All: 0.001+/-0.000 χ^2/NDF: 59712578.1/114



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: 0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

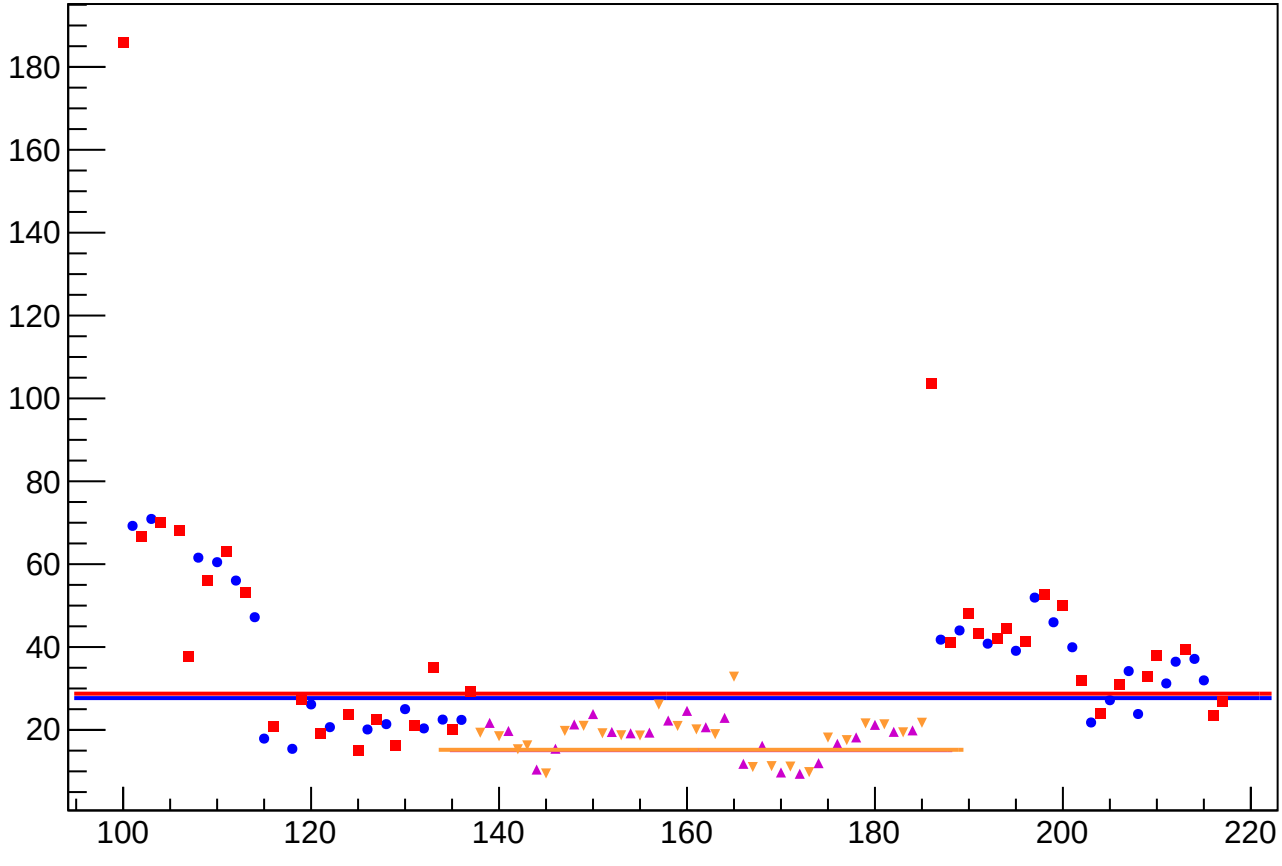
Right: 0.013+/-0.005 χ^2/NDF: 101.4/66

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: 0.002+/-0.003 χ^2/NDF:100.2/60

All: 0.003+/-0.002 χ^2/NDF: 157.5/114

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: 28.749+/-0.005 χ^2/NDF: 5642674.8/35

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

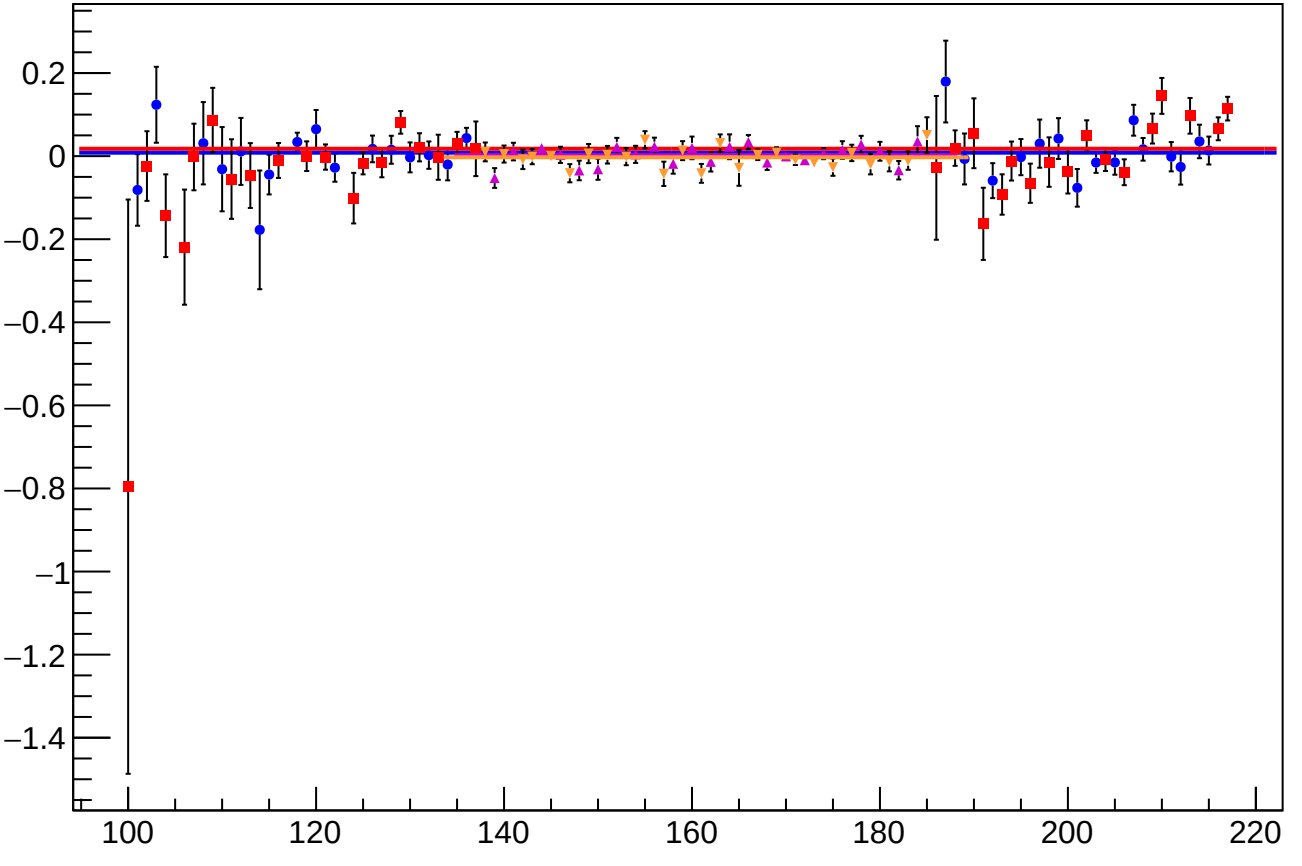
Right: 28.207+/-0.003 χ^2/NDF: 10248975.0/66

In: 18.033+/-0.002 χ^2/NDF:12991933.7/53

Out: 18.150+/-0.002 χ^2/NDF:14904973.7/60

All: 18.093+/-0.002 χ^2/NDF: 27898155.1/114

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: 0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

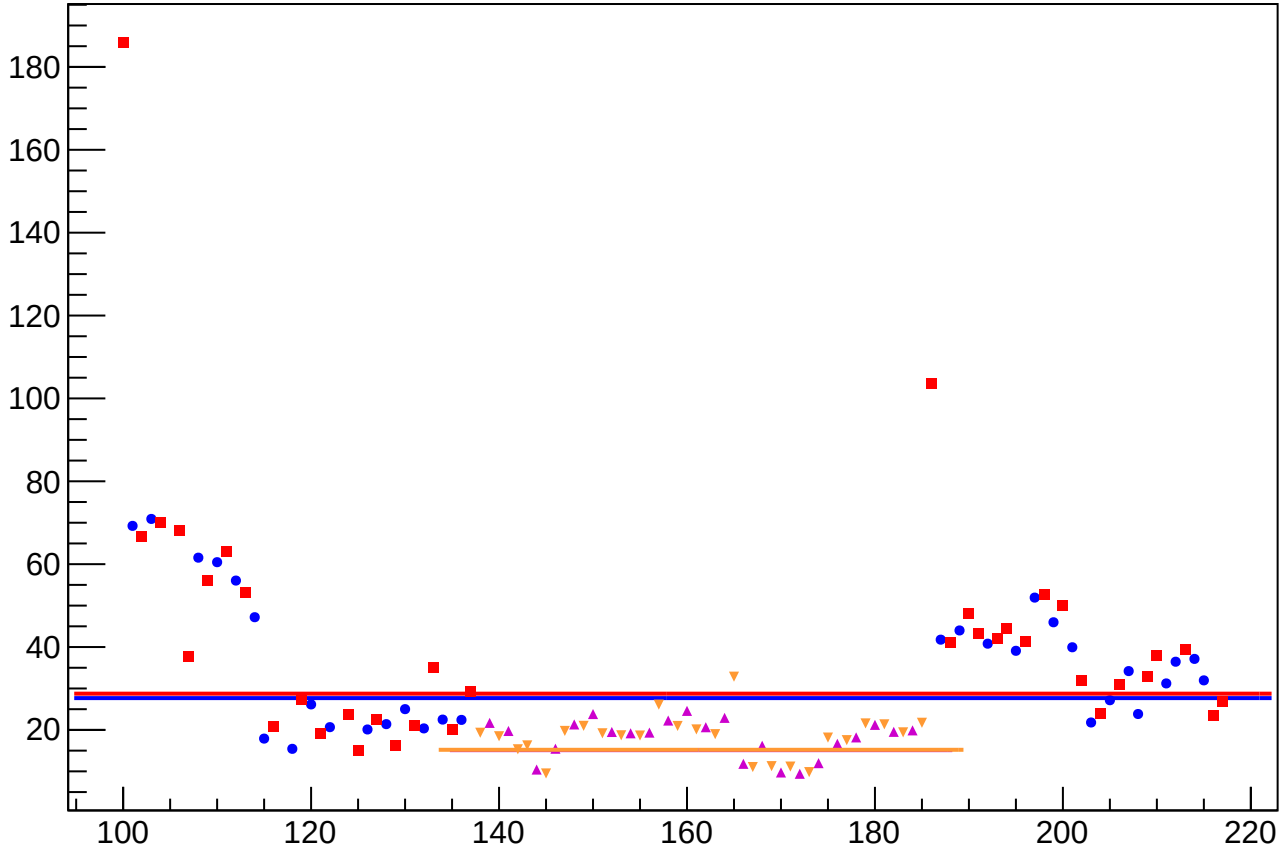
Right: 0.013+/-0.005 χ^2/NDF: 101.4/66

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: 0.002+/-0.003 χ^2/NDF:100.2/60

All: 0.003+/-0.002 χ^2/NDF: 157.5/114

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: 28.749+/-0.005 χ^2/NDF: 5642674.8/35

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

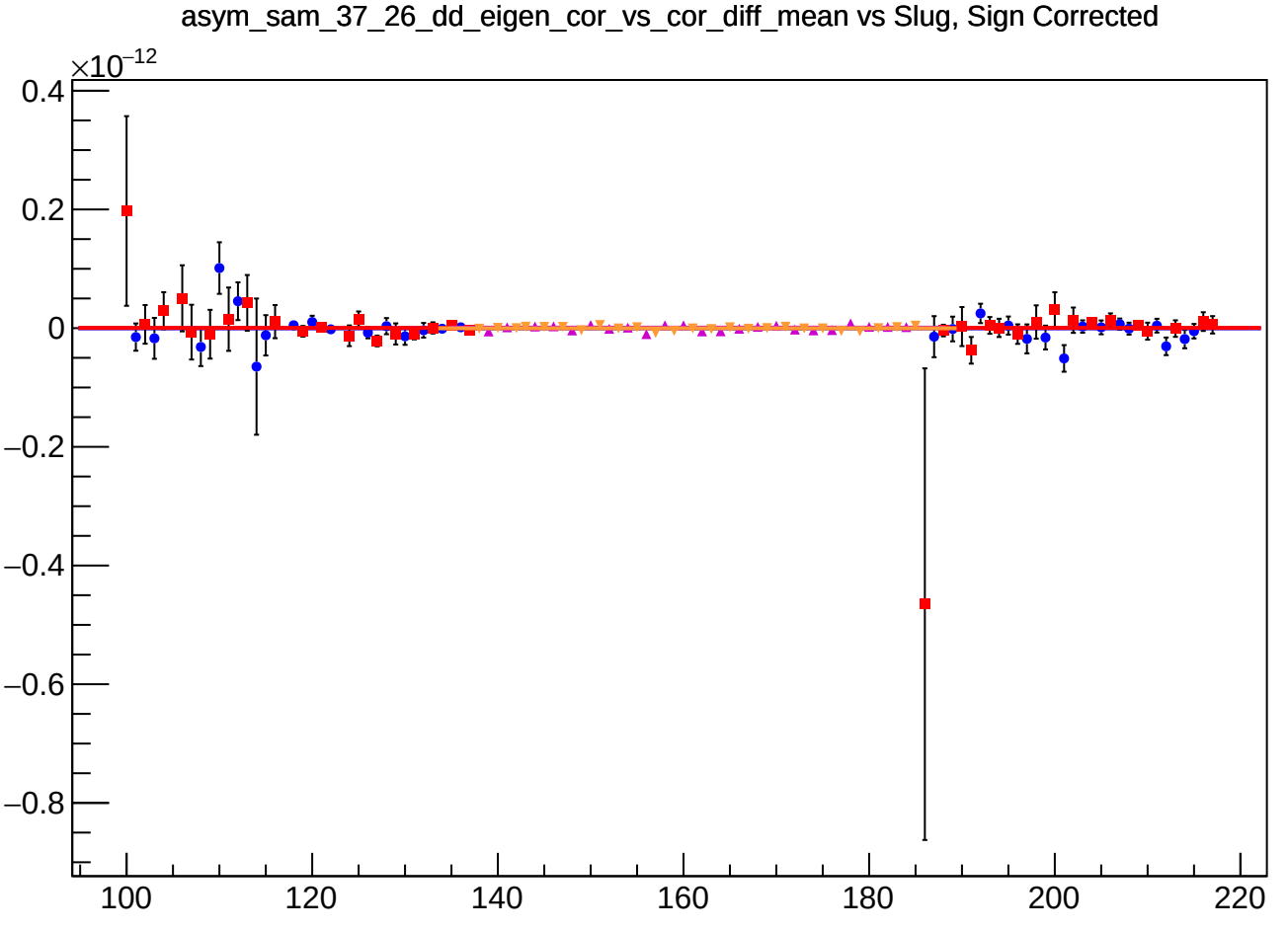
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 28.207+/-0.003 χ^2/NDF: 10248975.0/66

In: 18.033+/-0.002 χ^2/NDF:12991933.7/53

Out: 18.150+/-0.002 χ^2/NDF:14904973.7/60

All: 18.093+/-0.002 χ^2/NDF: 27898155.1/114



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: 27.1/35

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

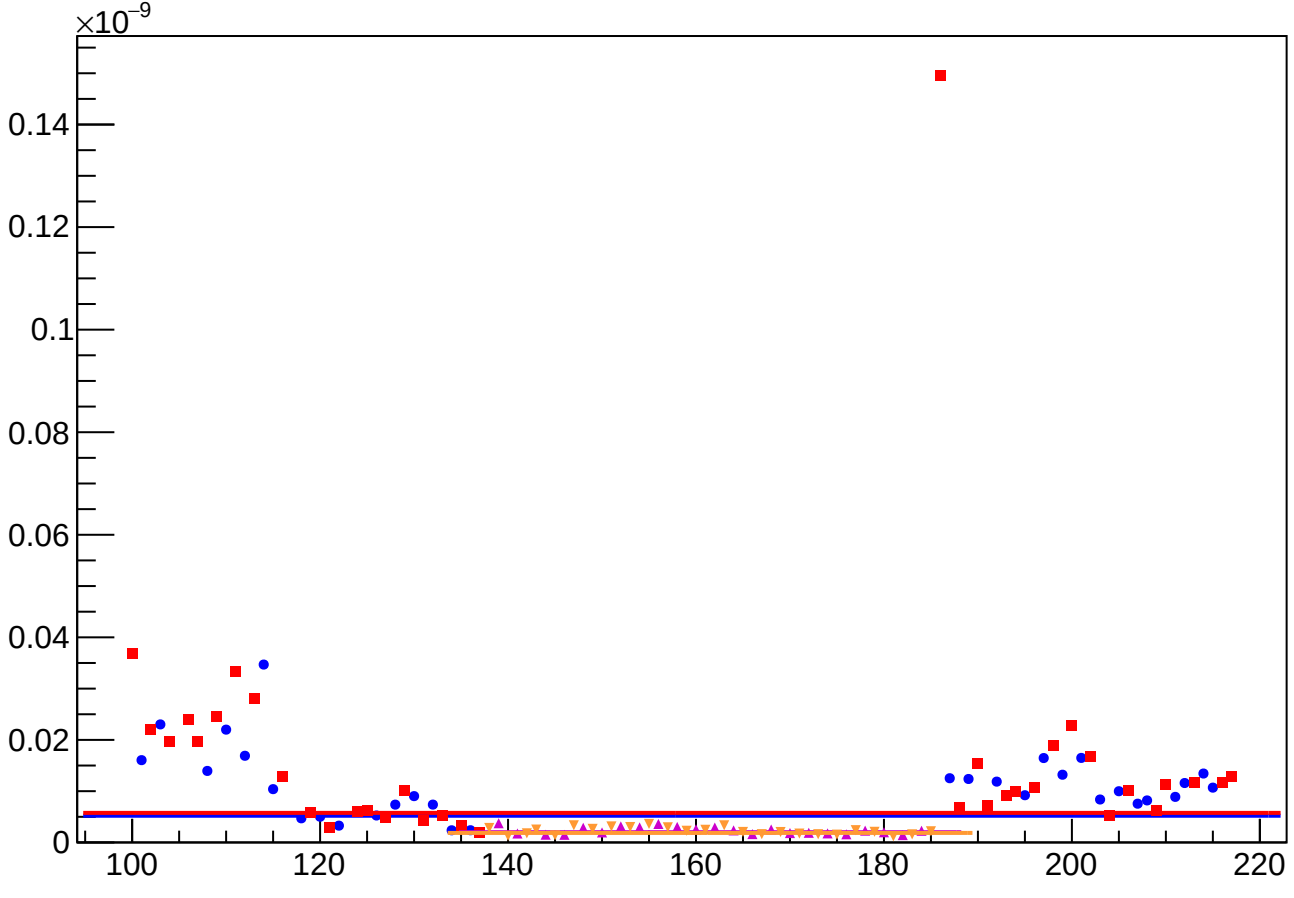
Right: 0.000+/-0.000 χ^2/NDF: 55.6/66

In: 0.000+/-0.000 χ^2/NDF:68.3/53

Out: -0.000+/-0.000 χ^2/NDF:48.6/60

All: 0.000+/-0.000 χ^2/NDF: 118.3/114

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: 9670990.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

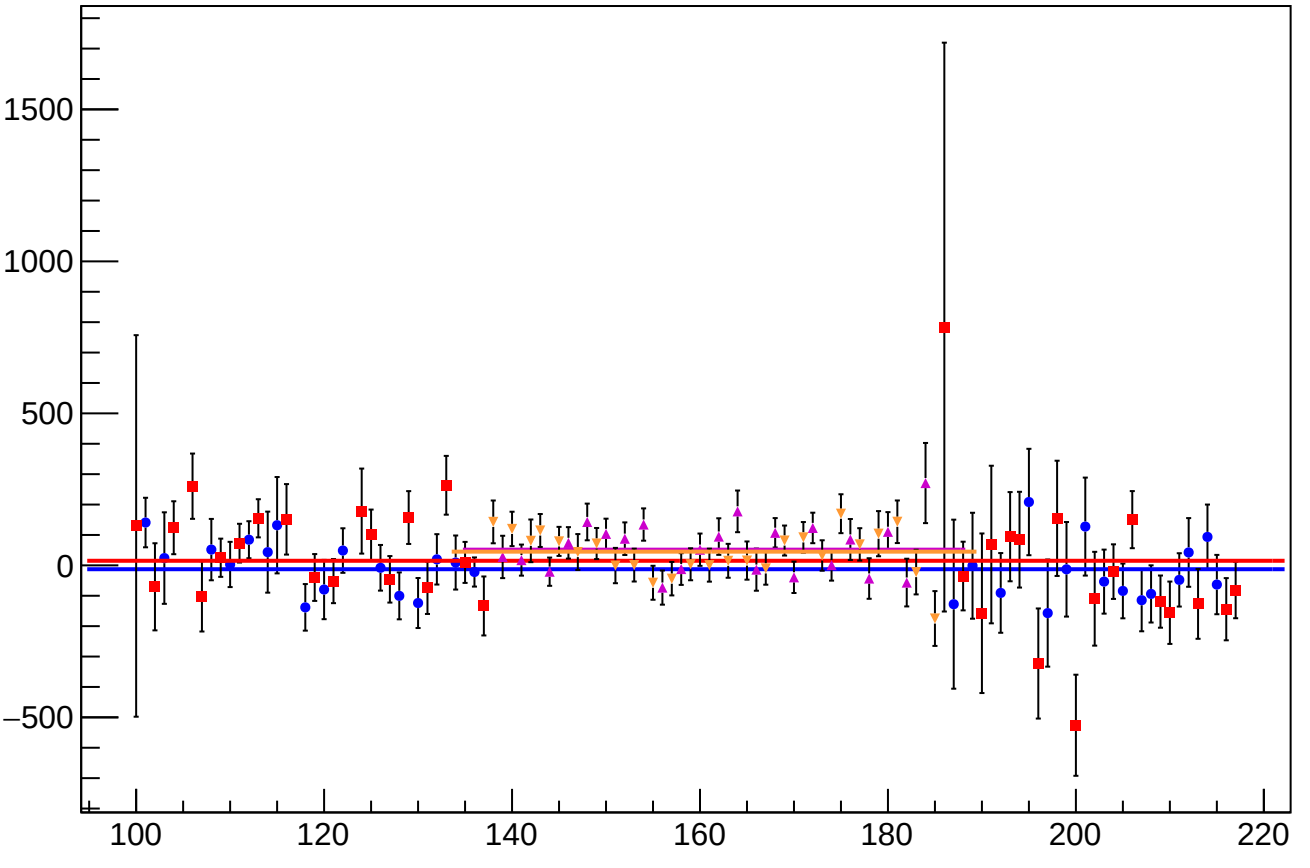
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 18927835.8/66

In: 0.000+/-0.000 χ^2/NDF:16964710.2/53

Out: 0.000+/-0.000 χ^2/NDF:19990838.3/60

All: 0.000+/-0.000 χ^2/NDF: 37058654.3/114



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: 15.072+/-16.473 χ^2/NDF: 62.1/35

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

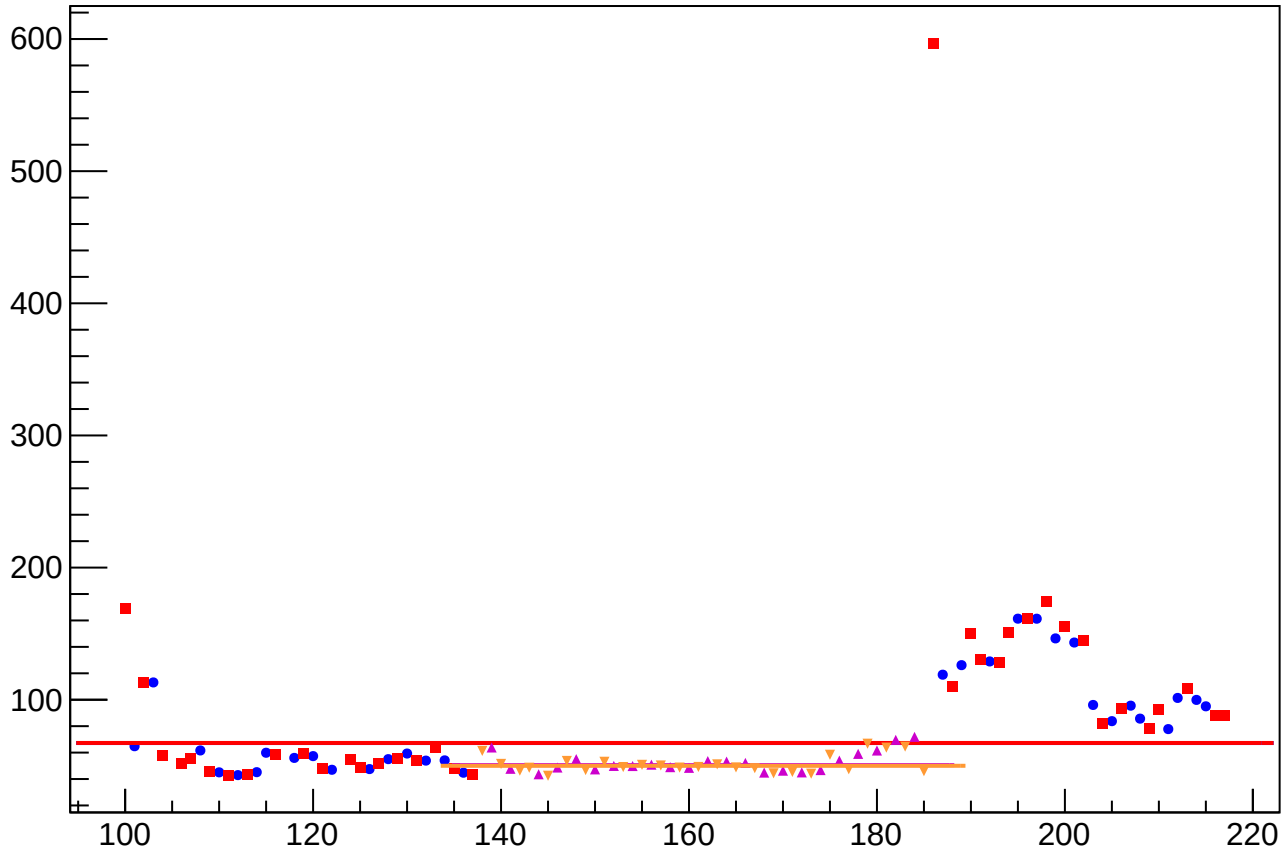
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 1.393+/-11.737 χ^2/NDF: 86.1/66

In: 29.931+/-9.712 χ^2/NDF:68.2/53

Out: 35.262+/-9.426 χ^2/NDF:95.7/60

All: 32.676+/-6.764 χ^2/NDF: 164.0/114



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: 67.288+/-0.012 χ^2/NDF: 7127864.0/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

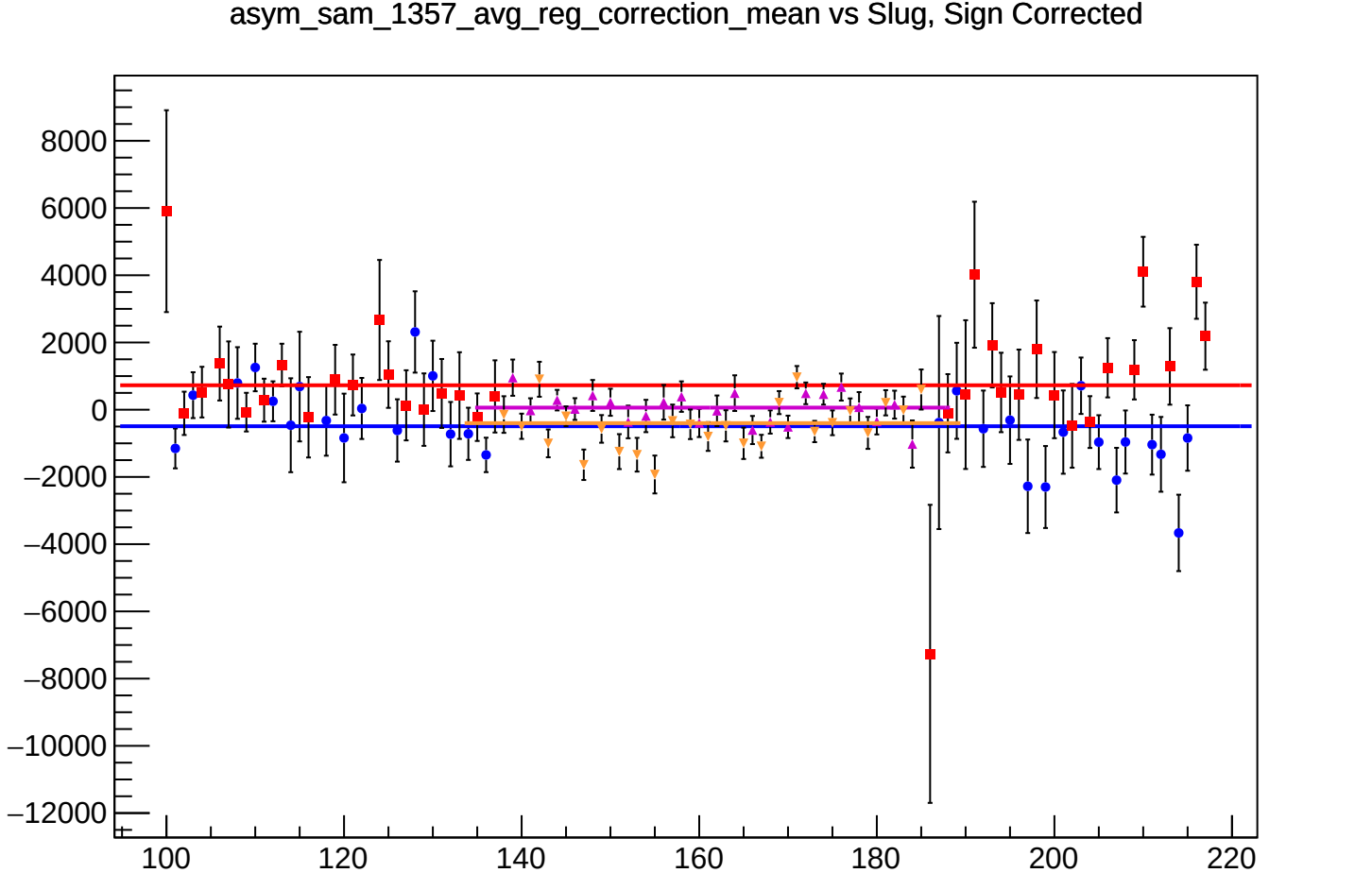
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 67.261+/-0.008 χ^2/NDF: 12695084.7/66

In: 56.149+/-0.007 χ^2/NDF:7395290.0/53

Out: 55.675+/-0.007 χ^2/NDF:9114770.5/60

All: 55.905+/-0.005 χ^2/NDF: 16512507.1/114



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: 727.161+/-165.134 χ^2/NDF: 45.1/35

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

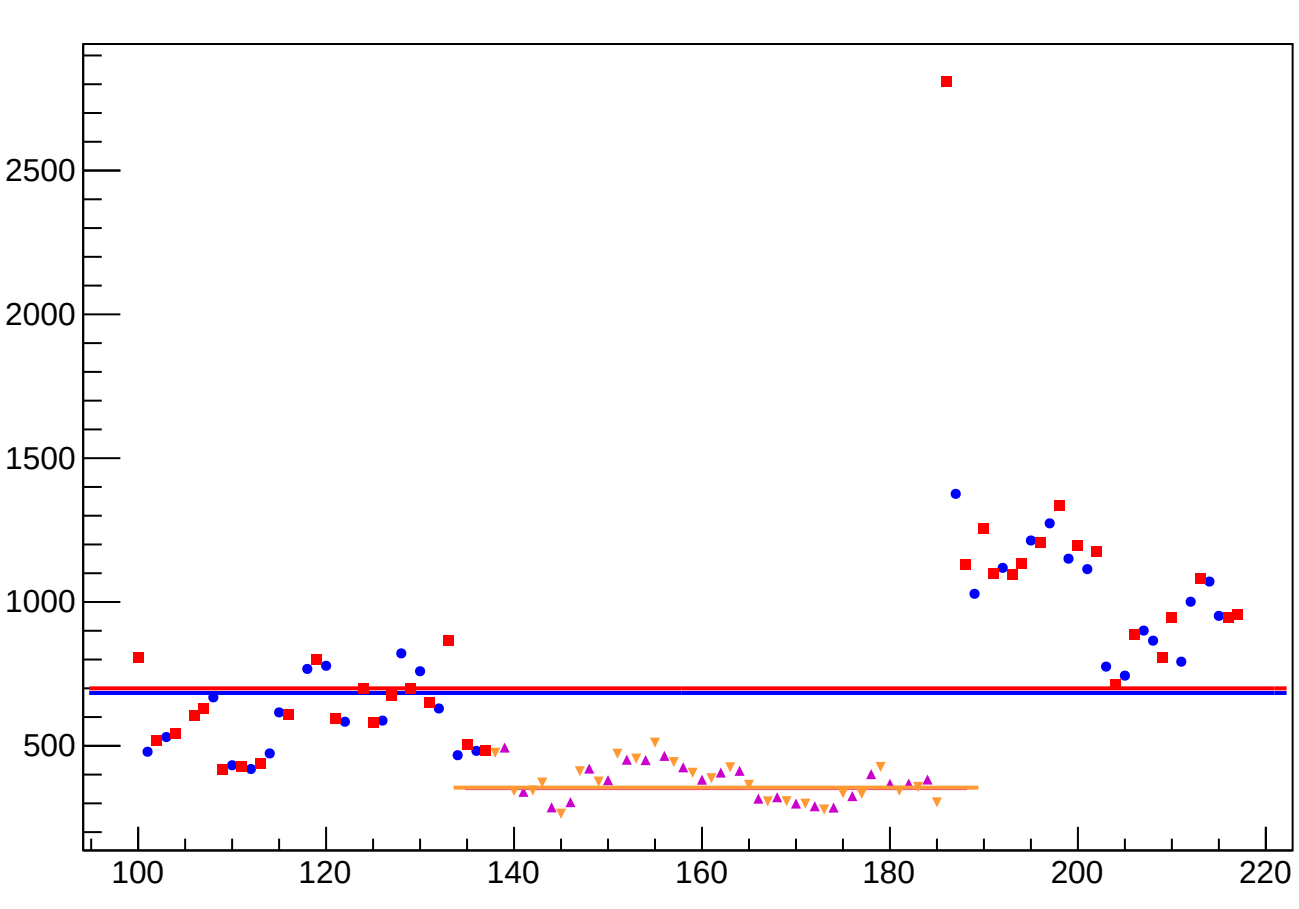
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 119.105+/-116.907 χ^2/NDF: 114.6/66

In: -51.161+/-74.831 χ^2/NDF:75.1/53

Out: -176.256+/-73.489 χ^2/NDF:147.8/60

All: -114.839+/-52.433 χ^2/NDF: 224.4/114



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: 699.818+/-0.117 χ^2/NDF: 5161365.3/35

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

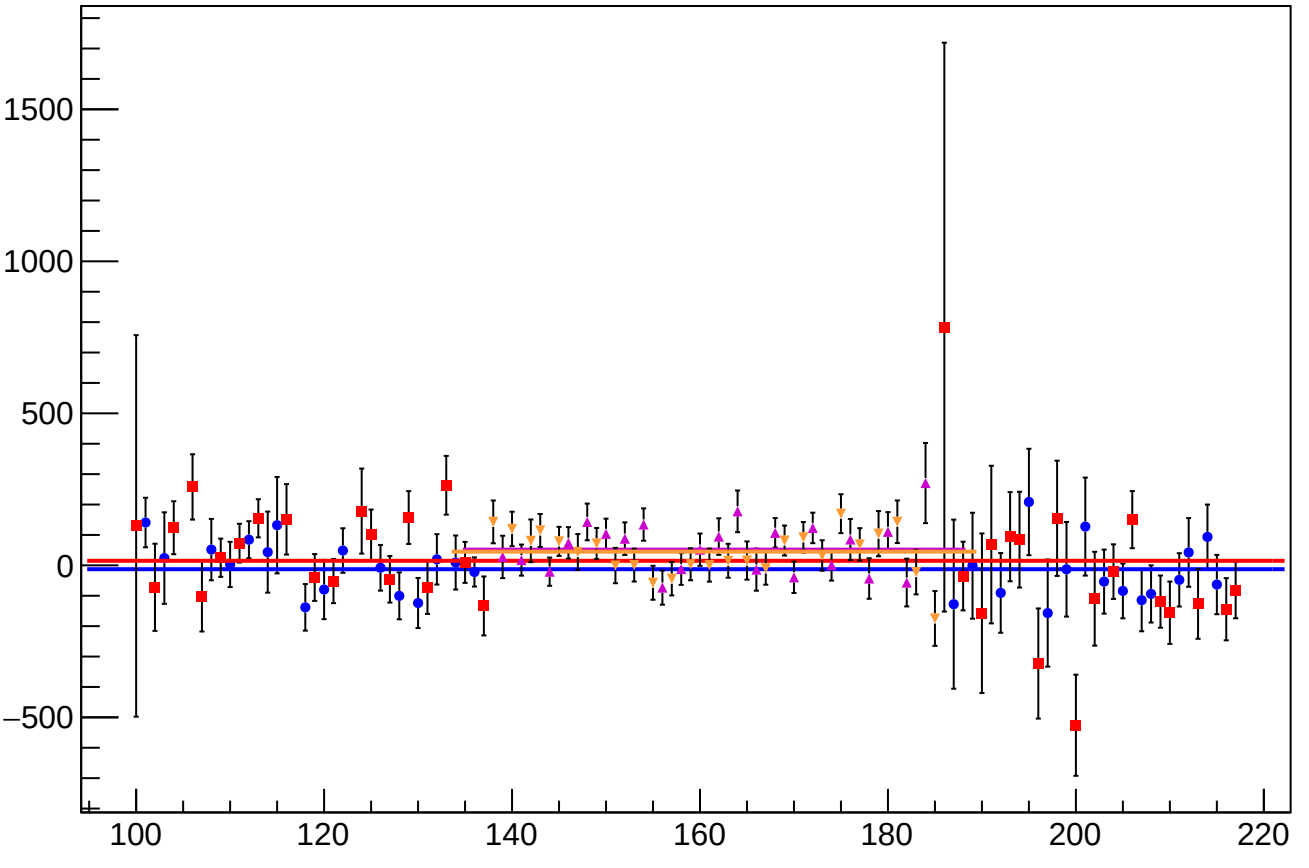
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 691.780+/-0.083 χ^2/NDF: 9300751.9/66

In: 420.671+/-0.053 χ^2/NDF:11481091.7/53

Out: 423.026+/-0.052 χ^2/NDF:13313556.9/60

All: 421.870+/-0.037 χ^2/NDF: 24795657.5/1



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: 14.990+/-16.473 χ^2/NDF: 62.0/35

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

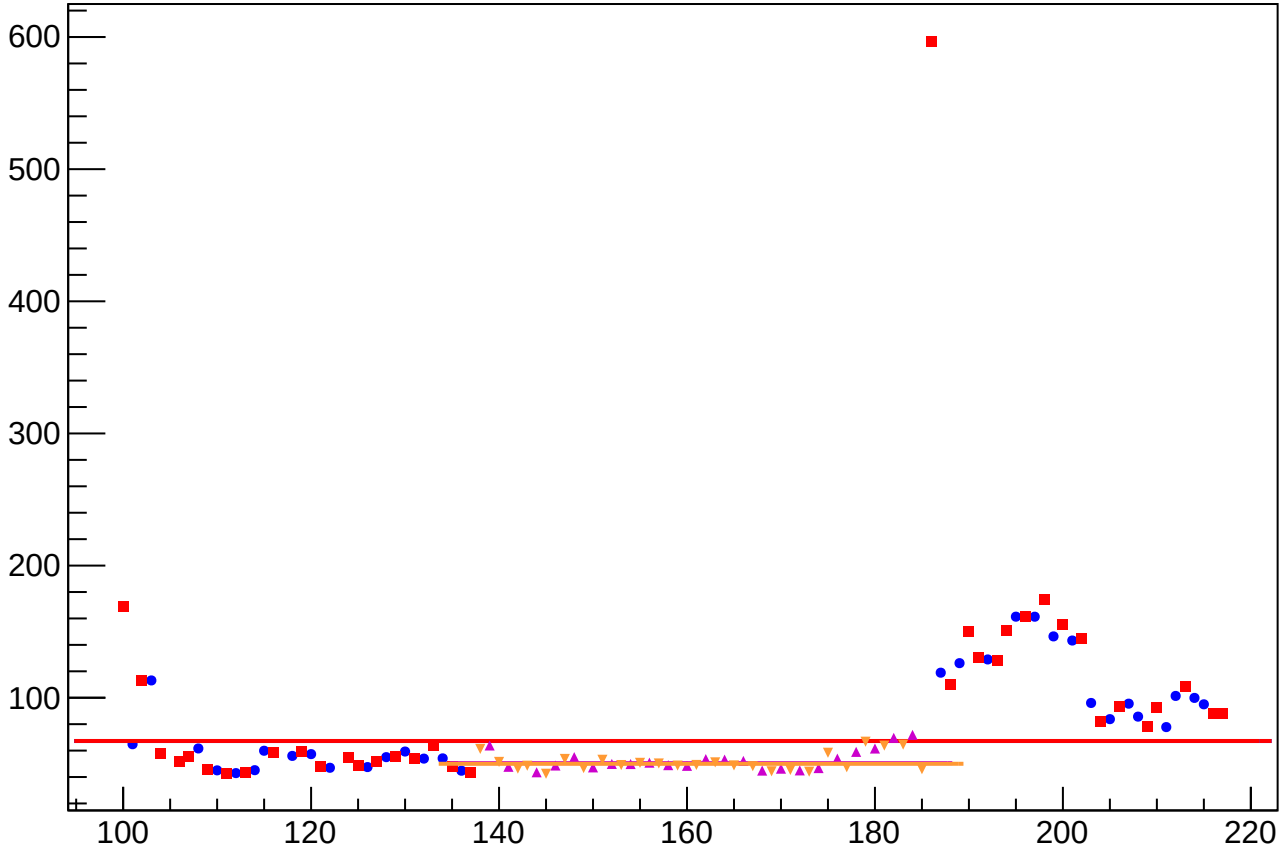
Right: 1.349+/-11.737 χ^2/NDF: 85.9/66

In: 29.929+/-9.712 χ^2/NDF:68.2/53

Out: 35.238+/-9.427 χ^2/NDF:95.6/60

All: 32.663+/-6.764 χ^2/NDF: 163.9/114

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: 67.281+/-0.012 χ^2/NDF: 7129702.1/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

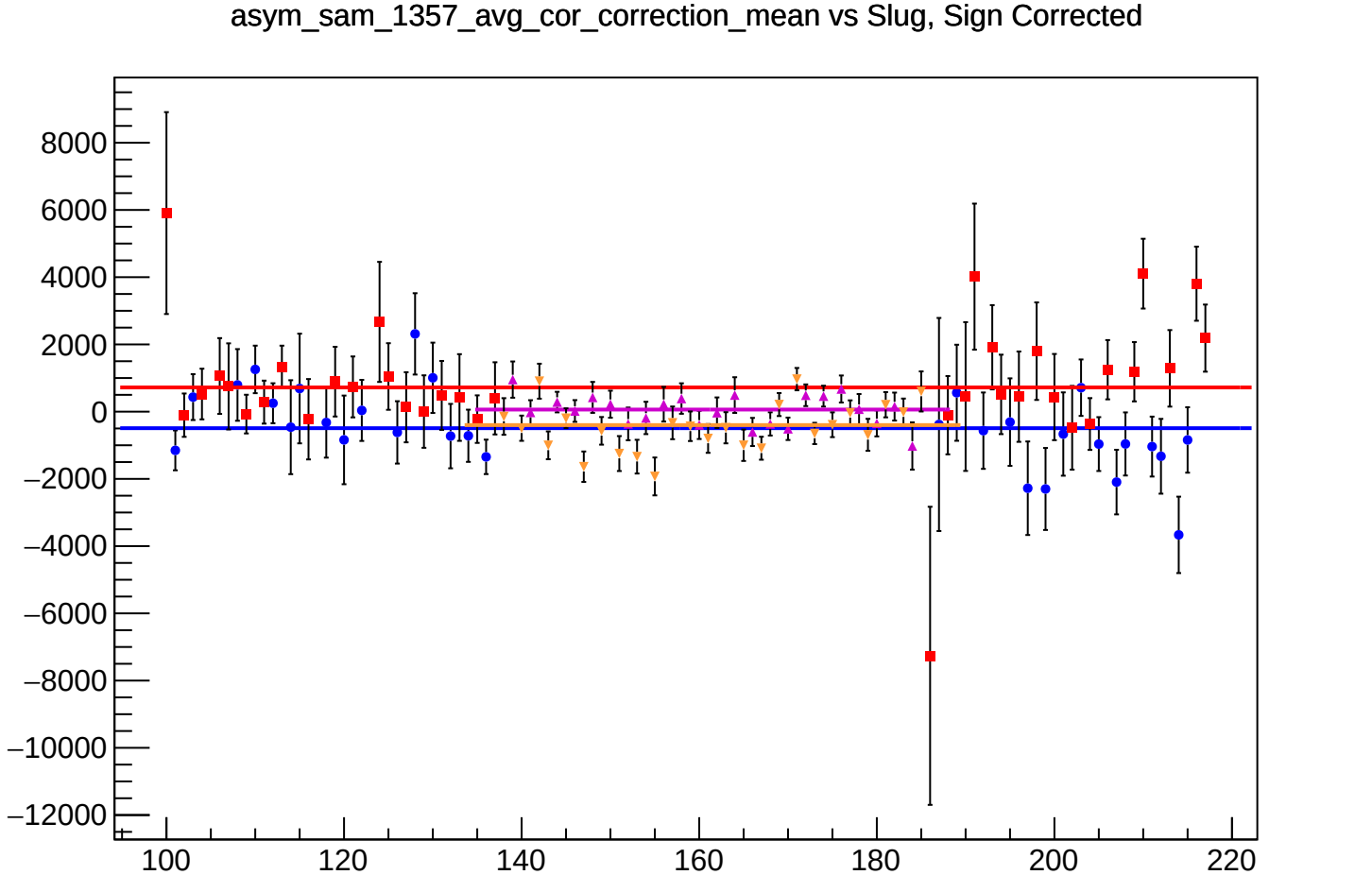
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 67.257+/-0.008 χ^2/NDF: 12696922.6/66

In: 56.149+/-0.007 χ^2/NDF:7395292.3/53

Out: 55.673+/-0.007 χ^2/NDF:9115427.7/60

All: 55.904+/-0.005 χ^2/NDF: 16513190.7/114



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: 720.054+/-165.237 χ^2/NDF: 44.8/35

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

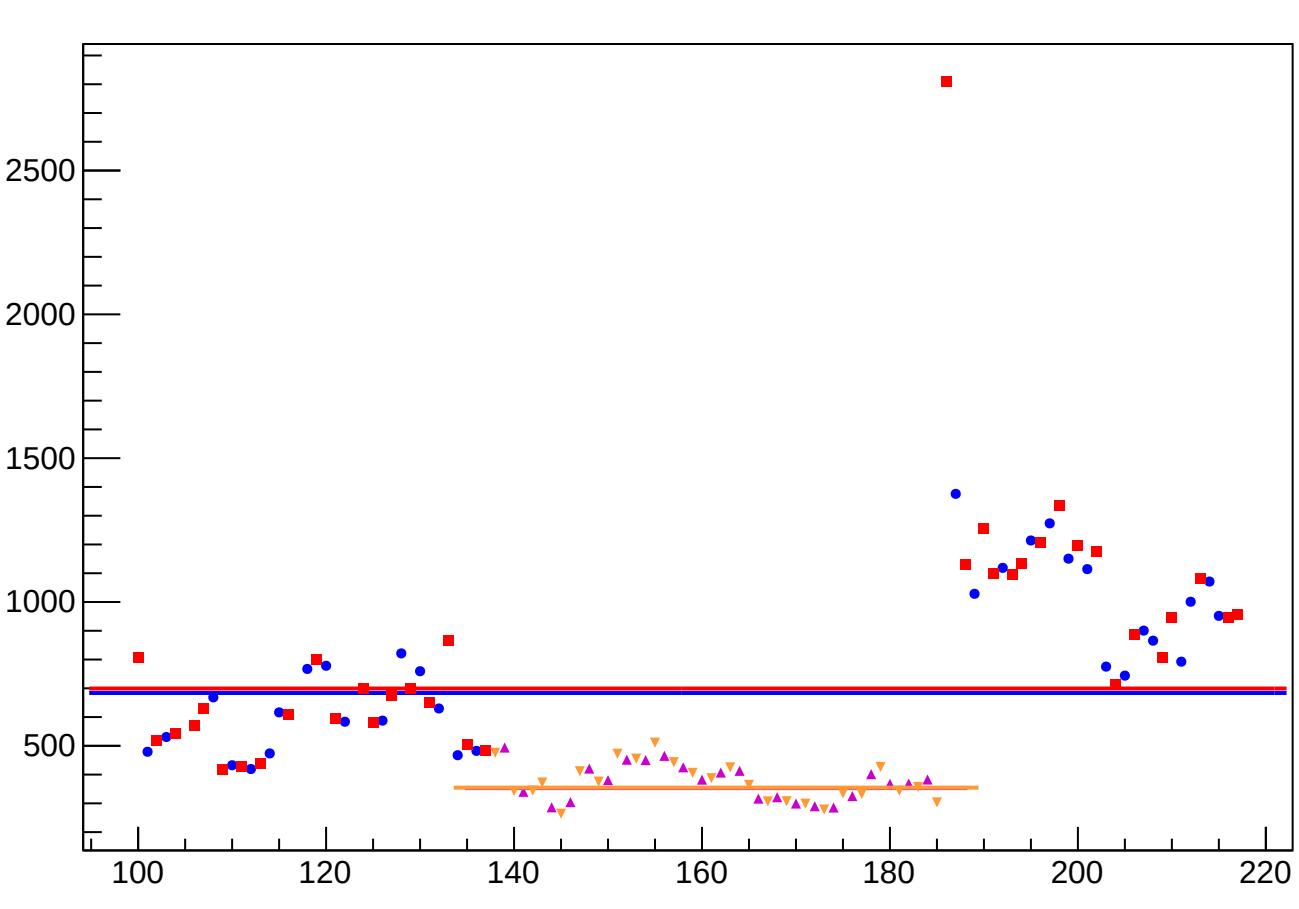
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 115.177+/-116.944 χ^2/NDF: 114.0/66

In: -51.158+/-74.831 χ^2/NDF:75.1/53

Out: -177.880+/-73.498 χ^2/NDF:147.1/60

All: -115.657+/-52.436 χ^2/NDF: 223.6/114



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: 699.216+/-0.117 χ^2/NDF: 5171908.2/35

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

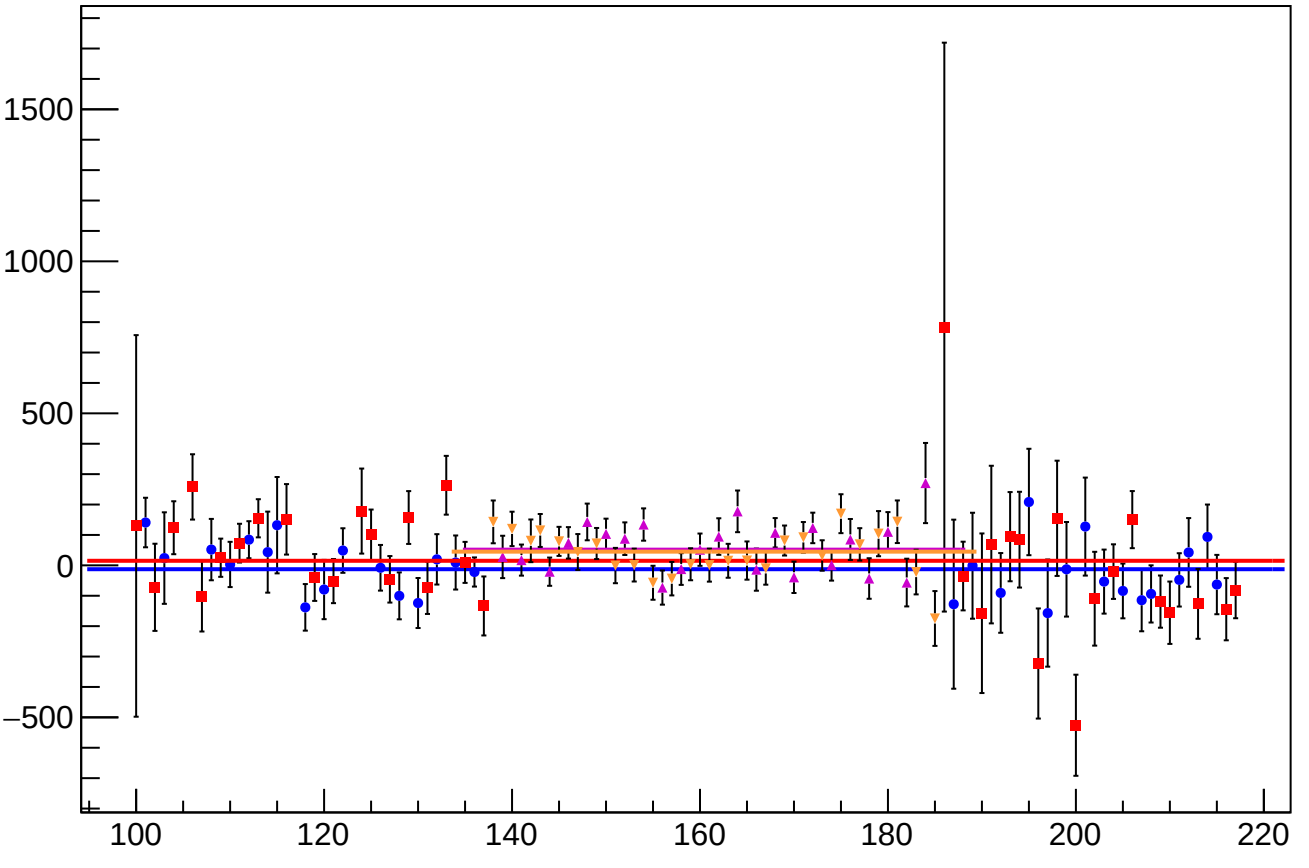
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 691.476+/-0.083 χ^2/NDF: 9310490.9/66

In: 420.671+/-0.053 χ^2/NDF:11481136.4/53

Out: 422.839+/-0.052 χ^2/NDF:13292711.5/60

All: 421.775+/-0.037 χ^2/NDF: 24774702.3/1



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: 14.990+/-16.473 χ^2/NDF: 62.0/35

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

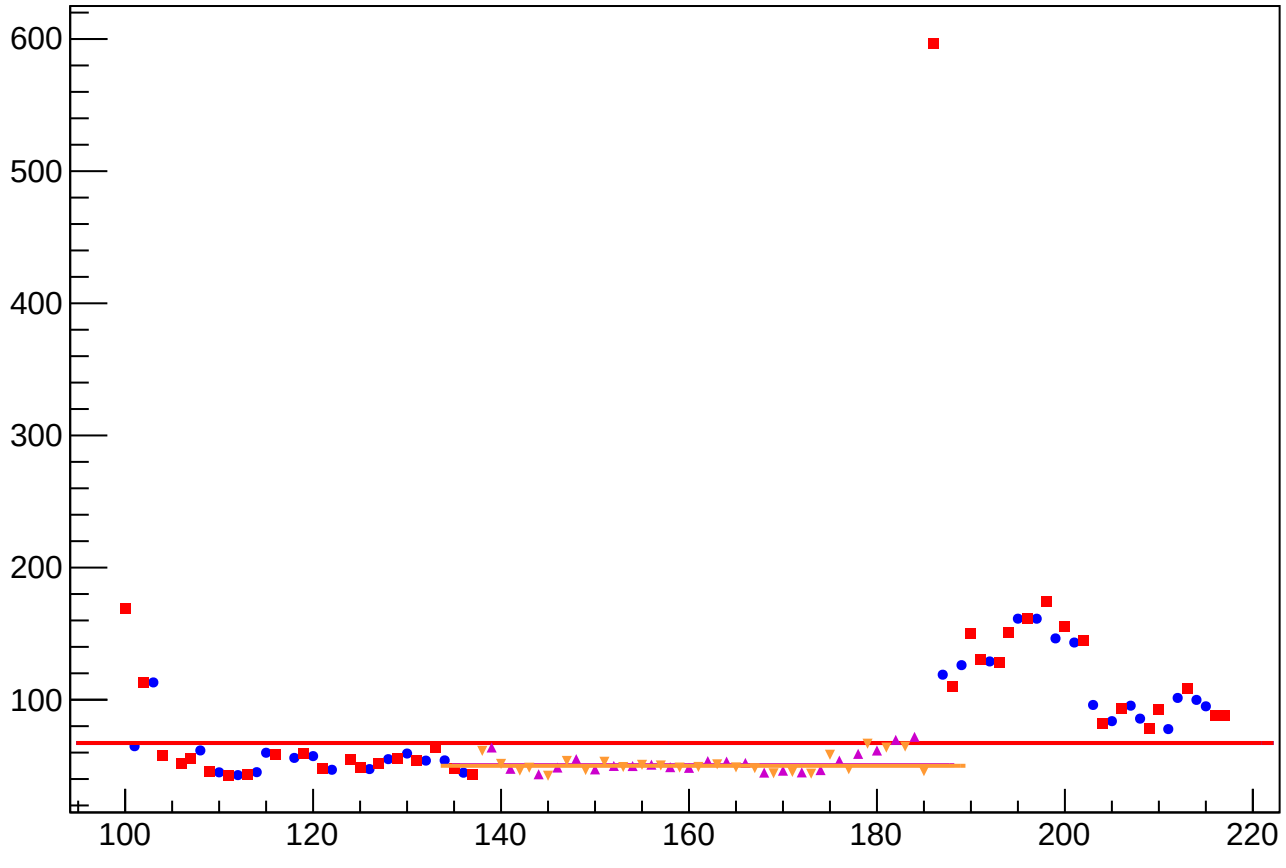
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 1.349+/-11.737 χ^2/NDF: 85.9/66

In: 29.929+/-9.712 χ^2/NDF:68.2/53

Out: 35.238+/-9.427 χ^2/NDF:95.6/60

All: 32.663+/-6.764 χ^2/NDF: 163.9/114



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: 67.281+/-0.012 χ^2/NDF: 7129702.1/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

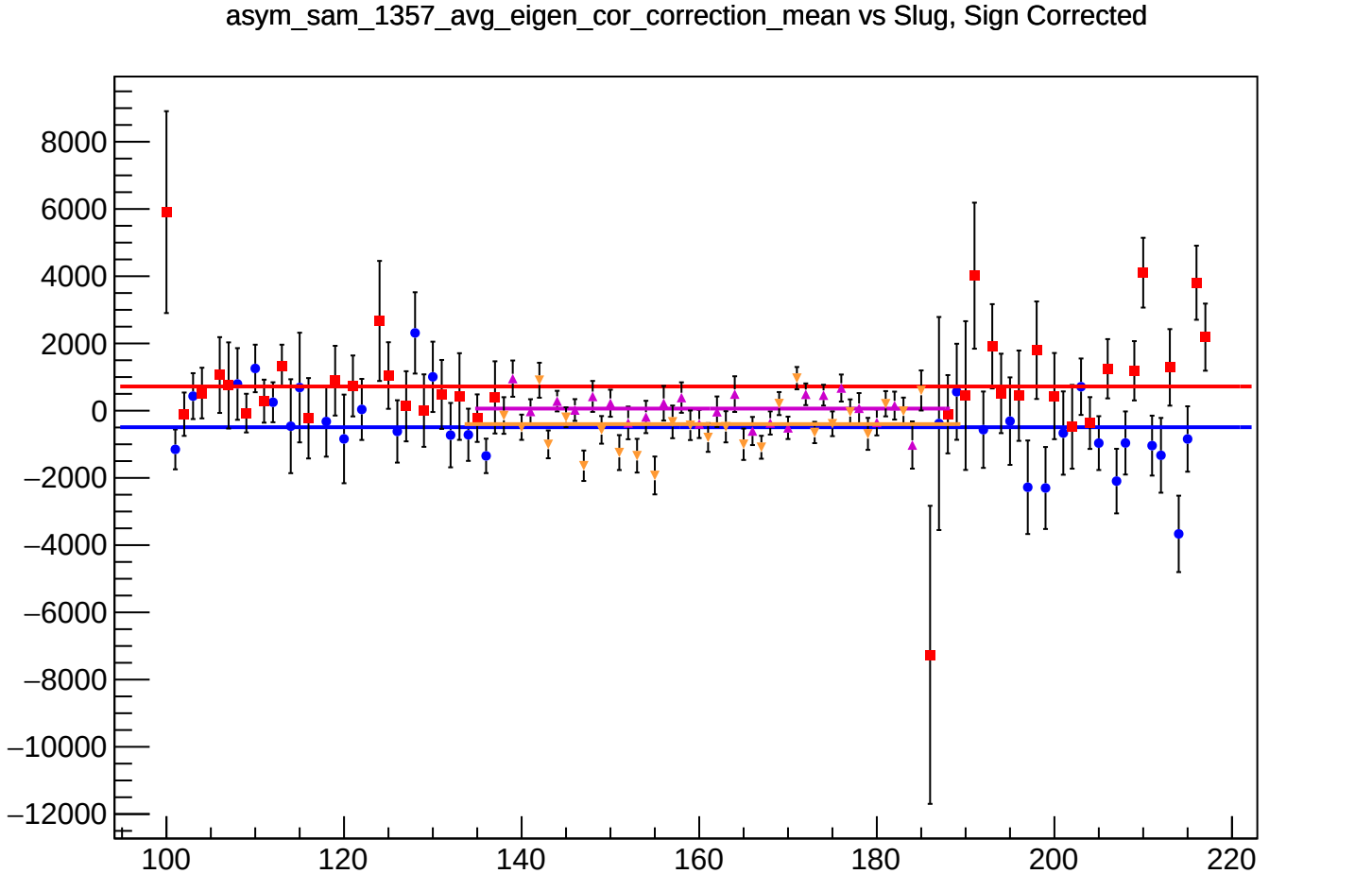
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 67.257+/-0.008 χ^2/NDF: 12696922.6/66

In: 56.149+/-0.007 χ^2/NDF:7395292.3/53

Out: 55.673+/-0.007 χ^2/NDF:9115427.7/60

All: 55.904+/-0.005 χ^2/NDF: 16513190.7/114



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: 720.054+/-165.237 χ^2/NDF: 44.8/35

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

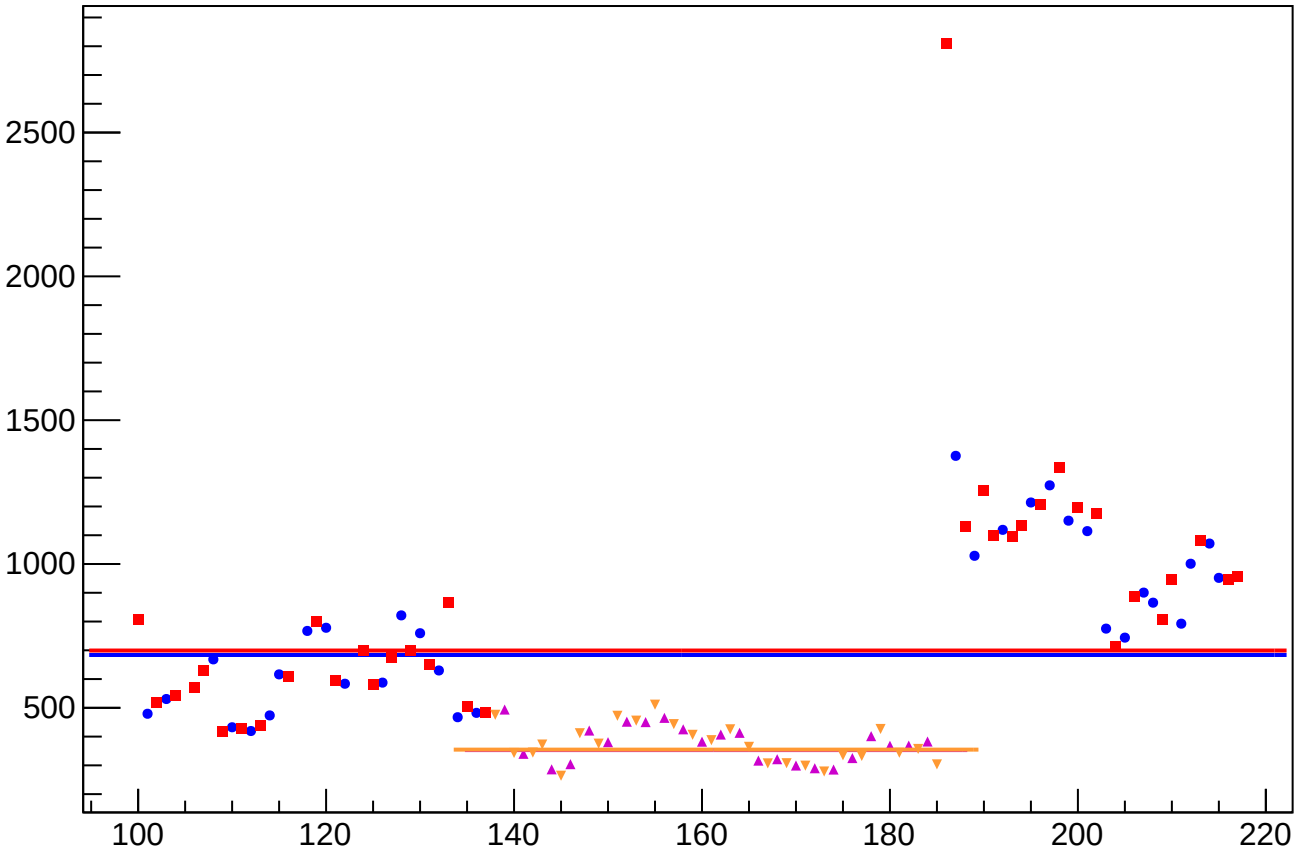
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 115.177+/-116.944 χ^2/NDF: 114.0/66

In: -51.158+/-74.831 χ^2/NDF:75.1/53

Out: -177.880+/-73.498 χ^2/NDF:147.1/60

All: -115.657+/-52.436 χ^2/NDF: 223.6/114



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: 699.216+/-0.117 χ^2/NDF: 5171908.2/35

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

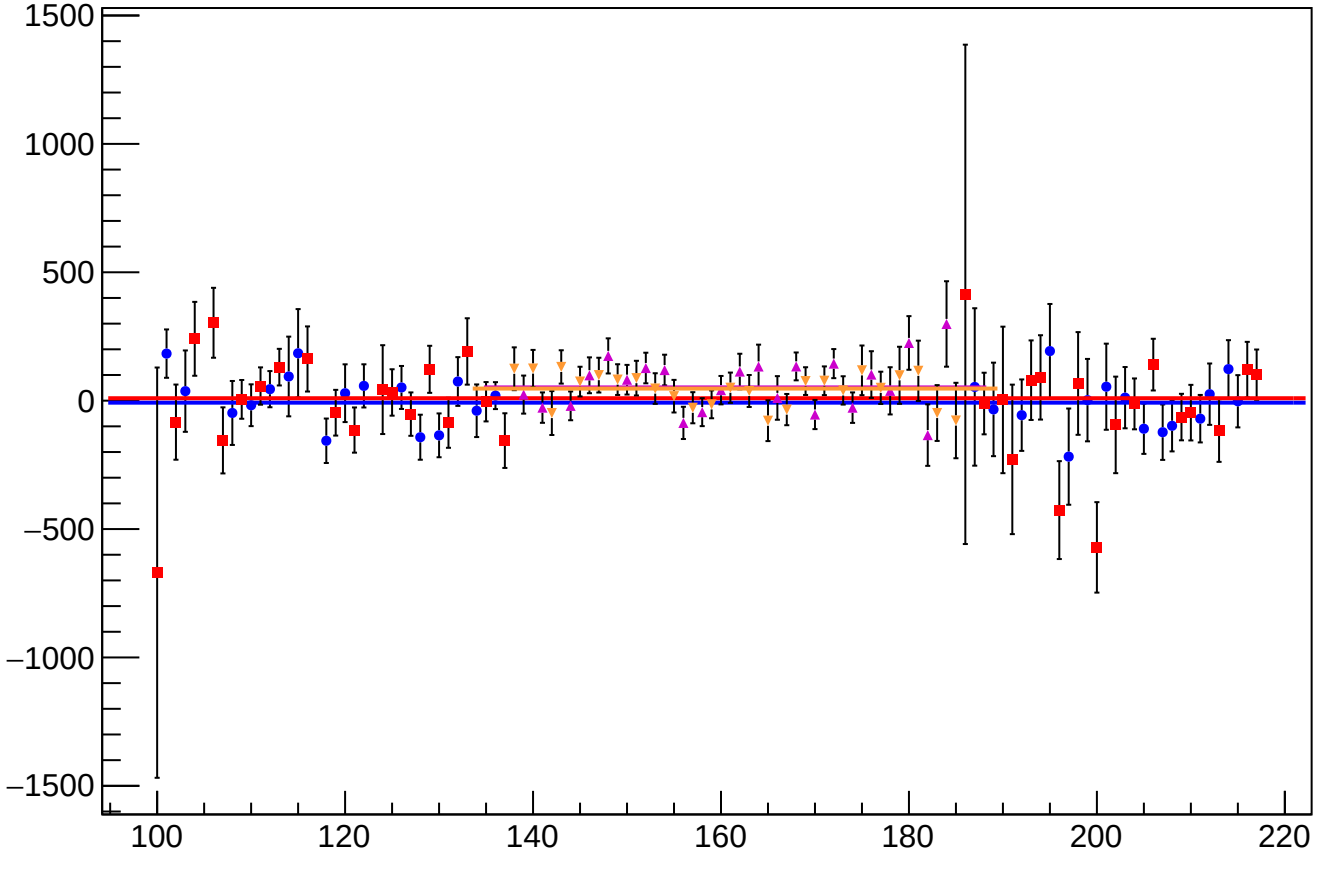
Right: 691.476+/-0.083 χ^2/NDF: 9310490.9/66

In: 420.671+/-0.053 χ^2/NDF:11481136.4/53

Out: 422.839+/-0.052 χ^2/NDF:13292711.5/60

All: 421.775+/-0.037 χ^2/NDF: 24774702.3/11

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: 9.514+/-18.633 χ^2/NDF: 48.2/35

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

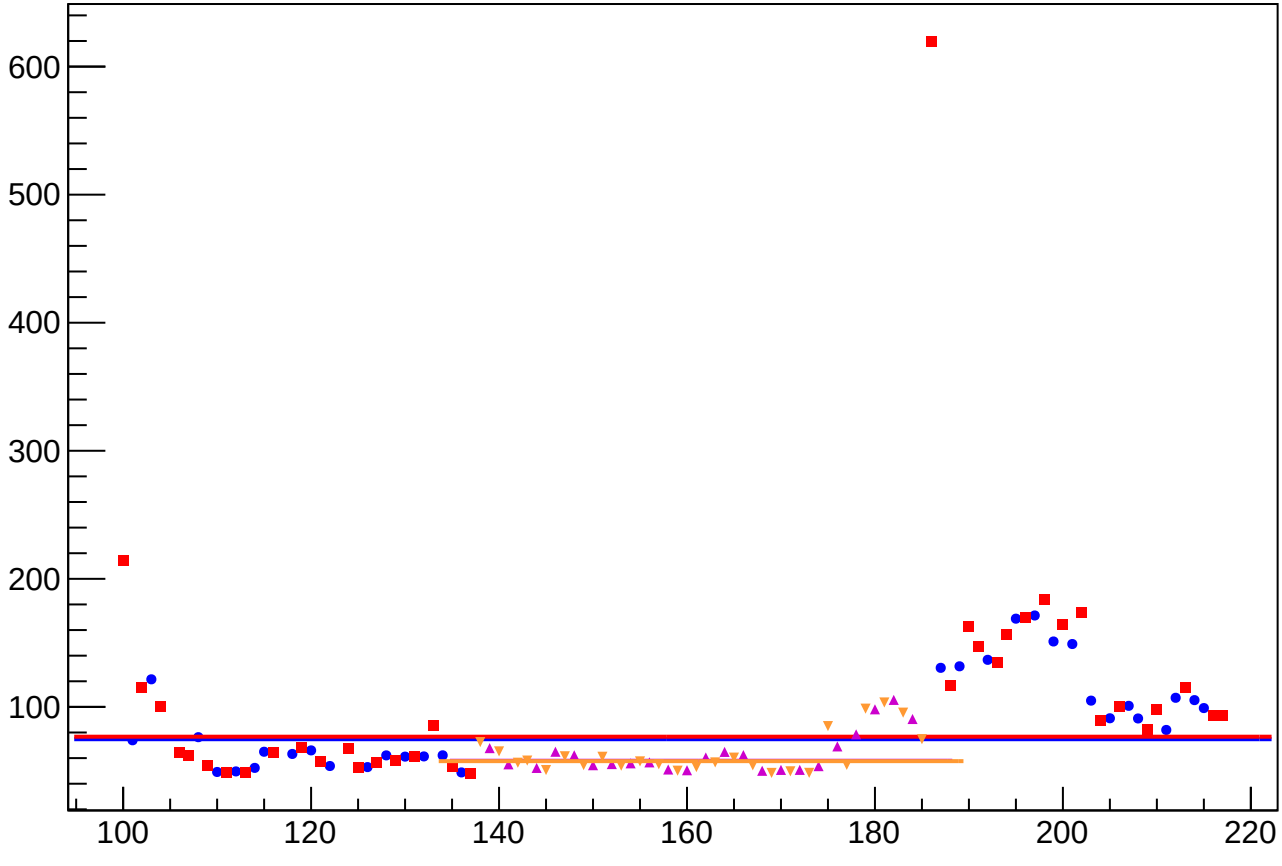
Right: 0.819+/-13.122 χ^2/NDF: 72.7/66

In: 30.131+/-11.126 χ^2/NDF:68.9/53

Out: 34.181+/-10.938 χ^2/NDF:67.8/60

All: 32.190+/-7.800 χ^2/NDF: 136.8/114

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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: 76.720+/-0.013 χ^2/NDF: 6434903.4/35

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

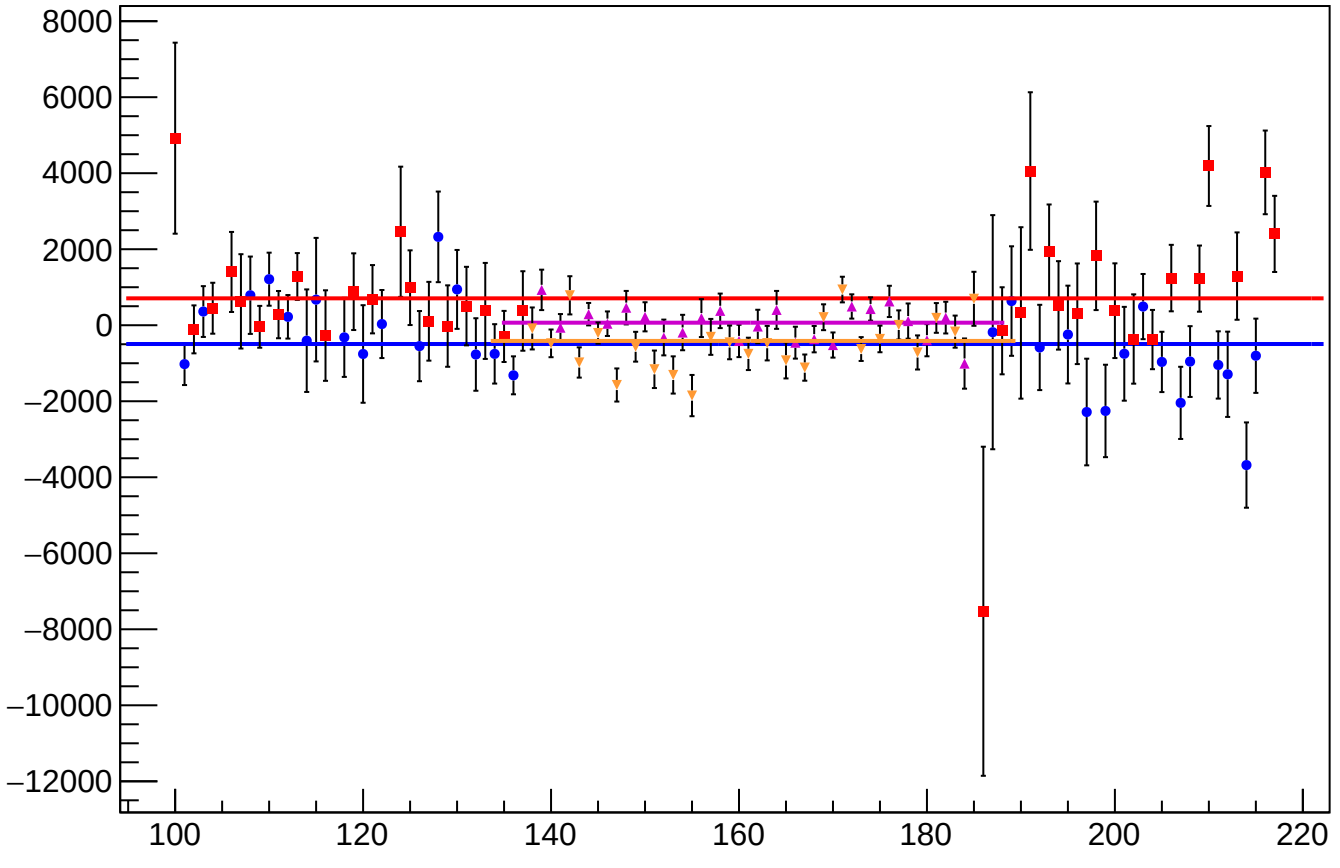
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 75.730+/-0.009 χ^2/NDF: 11415623.1/66

In: 64.034+/-0.008 χ^2/NDF:7149587.3/53

Out: 64.209+/-0.008 χ^2/NDF:9176089.1/60

All: 64.123+/-0.006 χ^2/NDF: 16325929.4/114



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: 707.533+/-160.984 χ^2/NDF: 48.6/35

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

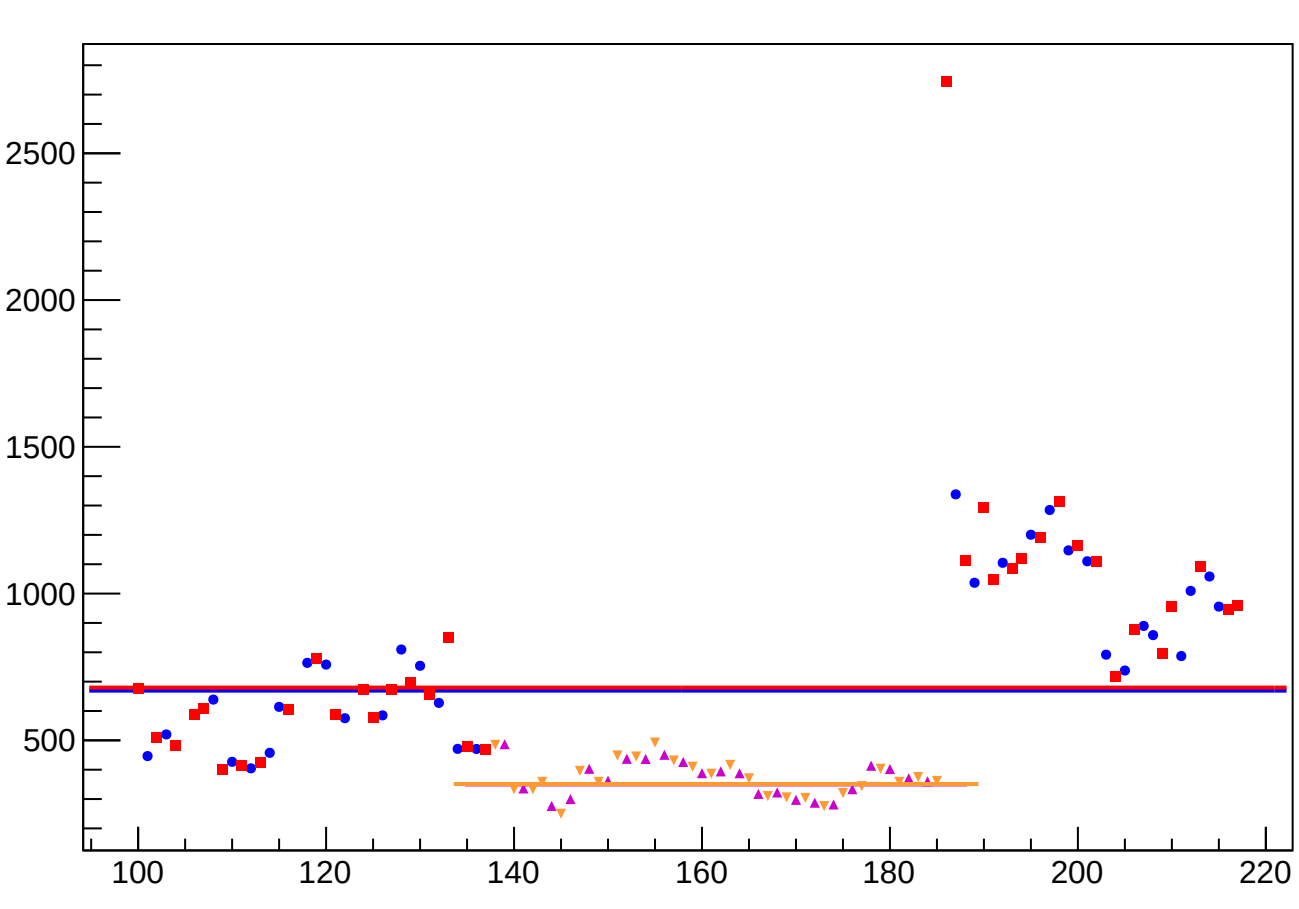
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 112.869+/-114.418 χ^2/NDF: 117.3/66

In: -49.410+/-73.988 χ^2/NDF:73.4/53

Out: -186.072+/-72.453 χ^2/NDF:148.6/60

All: -119.174+/-51.766 χ^2/NDF: 223.7/114



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: 679.658+/-0.114 χ^2/NDF: 5460365.2/35

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

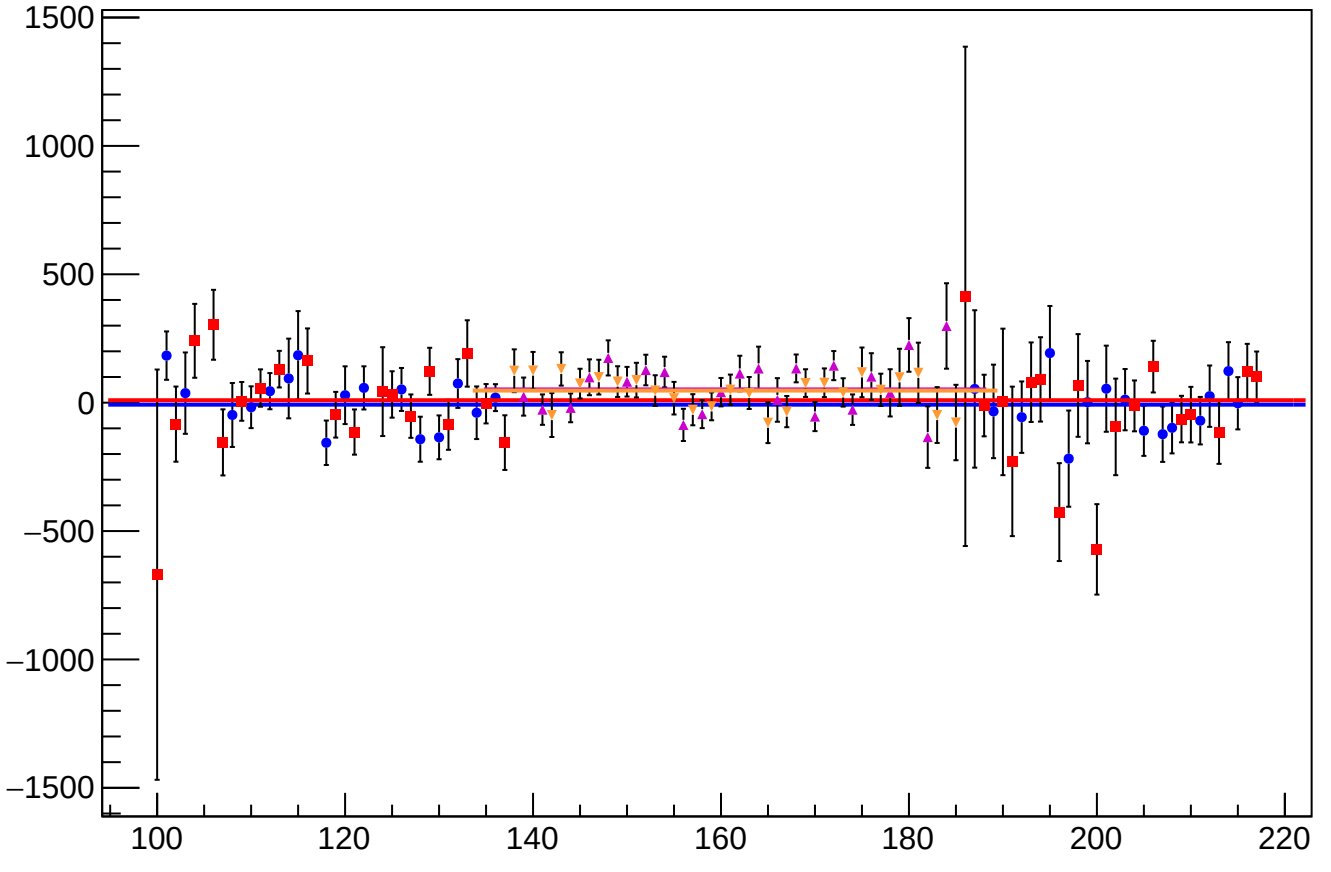
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 674.594+/-0.081 χ^2/NDF: 9860265.2/66

In: 415.947+/-0.052 χ^2/NDF:11510719.9/53

Out: 417.782+/-0.051 χ^2/NDF:13215367.1/60

All: 416.884+/-0.037 χ^2/NDF: 24726714.9/11



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: 9.513+/-18.633 χ^2/NDF: 48.2/35

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

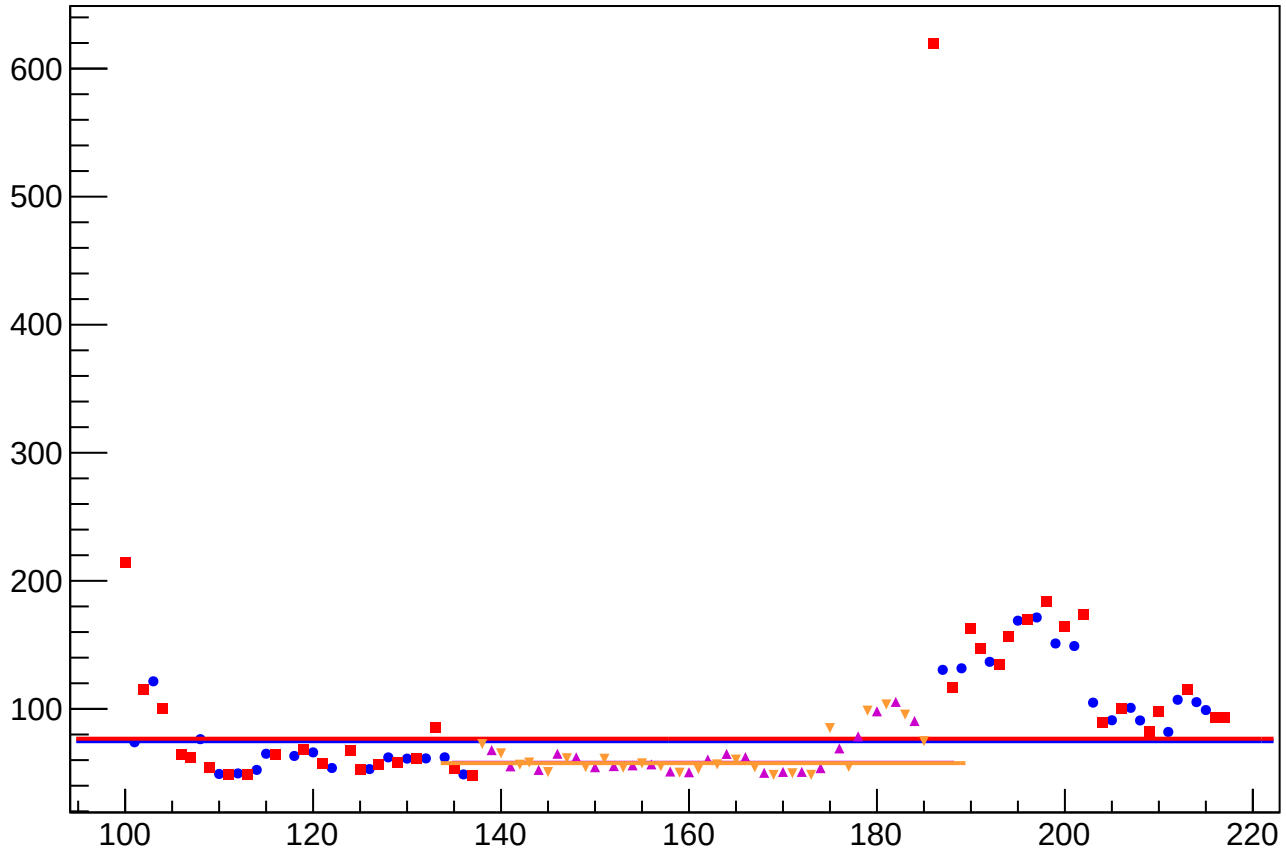
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 0.819+/-13.122 χ^2/NDF: 72.7/66

In: 30.131+/-11.126 χ^2/NDF:68.9/53

Out: 34.181+/-10.938 χ^2/NDF:67.8/60

All: 32.190+/-7.800 χ^2/NDF: 136.8/114



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: 76.720+/-0.013 χ^2/NDF: 6434881.5/35

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

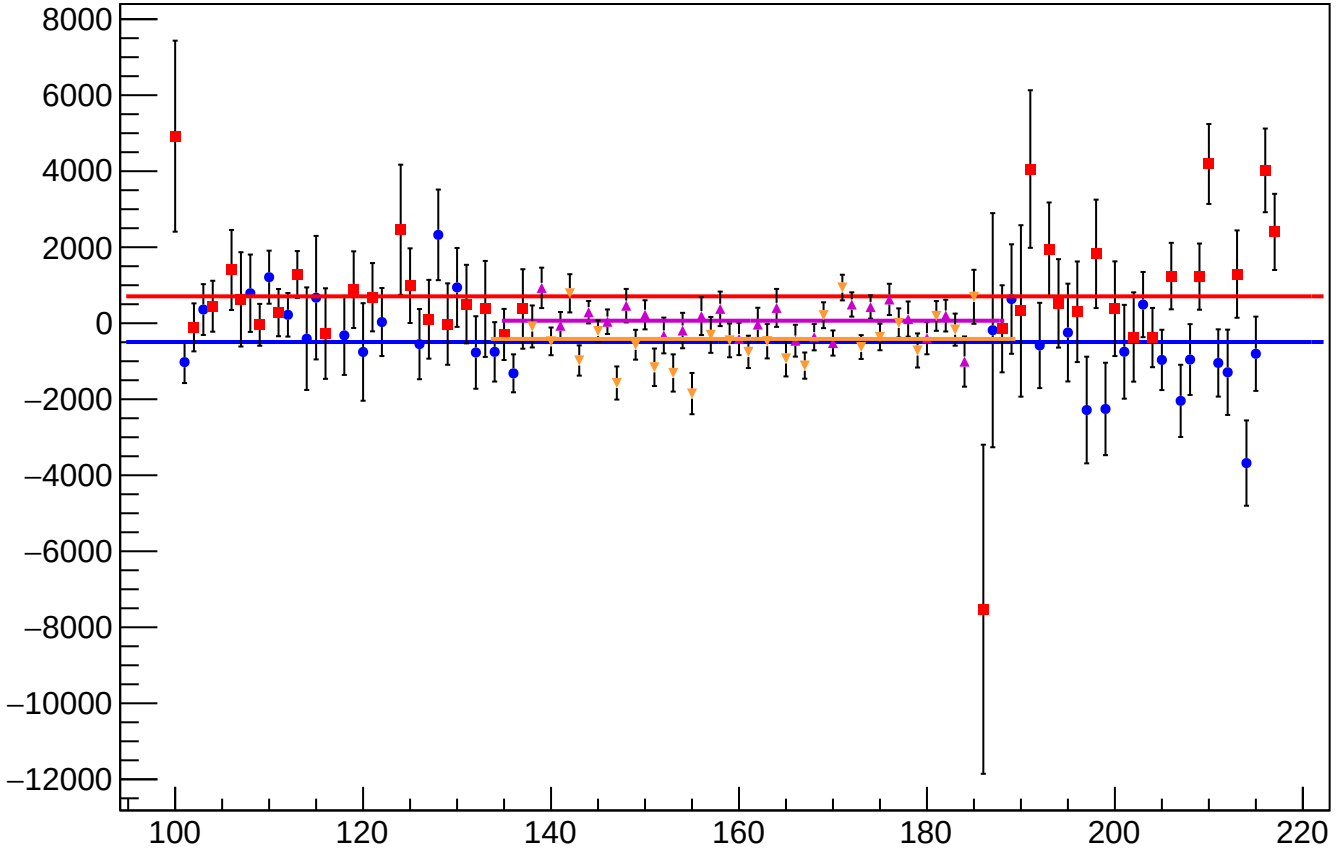
Right: 75.730+/-0.009 χ^2/NDF: 11415576.1/66

In: 64.034+/-0.008 χ^2/NDF:7149542.8/53

Out: 64.209+/-0.008 χ^2/NDF:9176060.3/60

All: 64.123+/-0.006 χ^2/NDF: 16325856.0/114

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -494.186+/-162.652 χ^2/NDF: 41.1/30

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 707.532+/-160.984 χ^2/NDF: 48.6/35

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

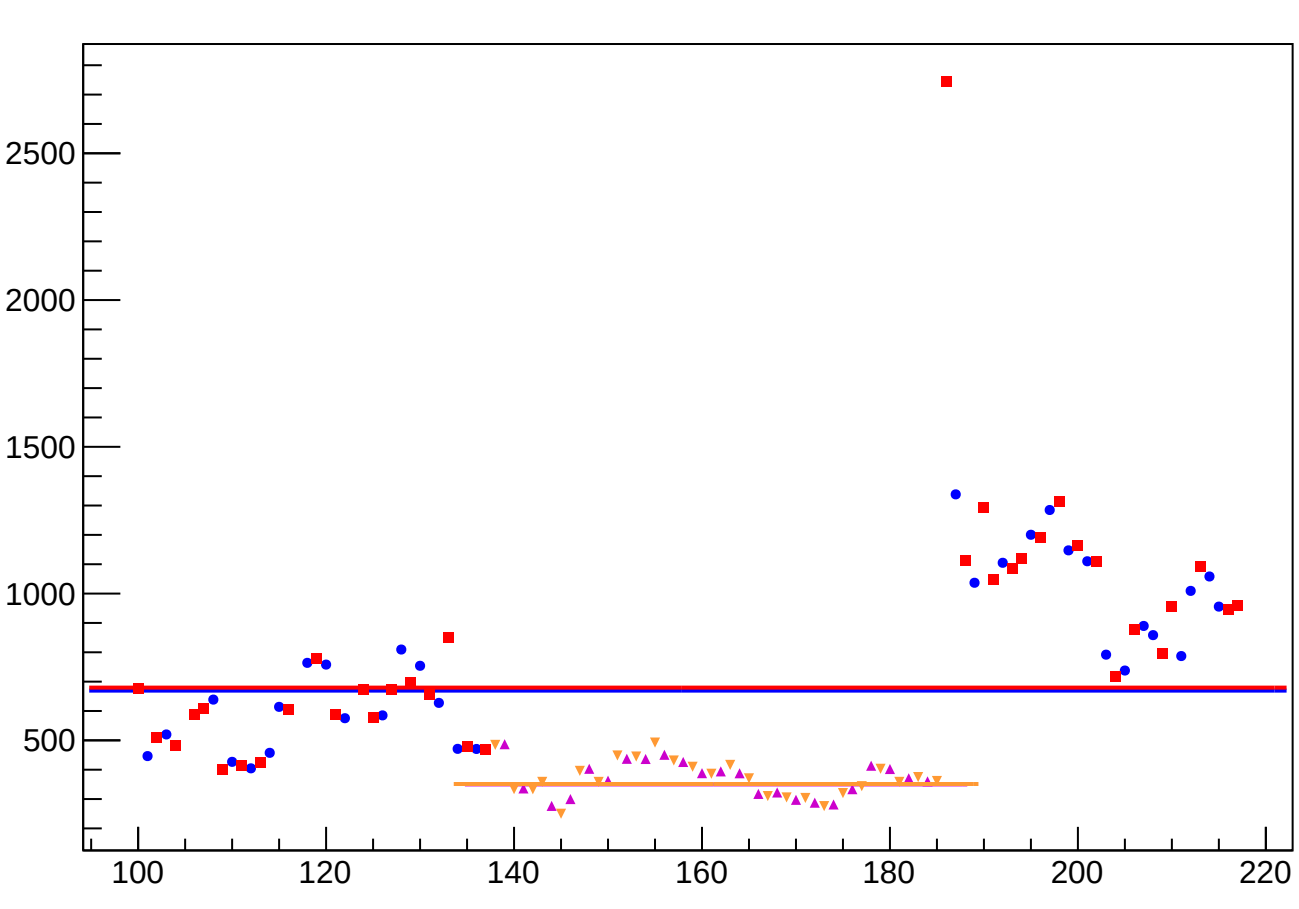
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 112.868+/-114.418 χ^2/NDF: 117.3/66

In: -49.410+/-73.988 χ^2/NDF:73.4/53

Out: -186.072+/-72.453 χ^2/NDF:148.6/60

All: -119.174+/-51.766 χ^2/NDF: 223.7/114



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: 679.657+/-0.114 χ^2/NDF: 5460373.6/35

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

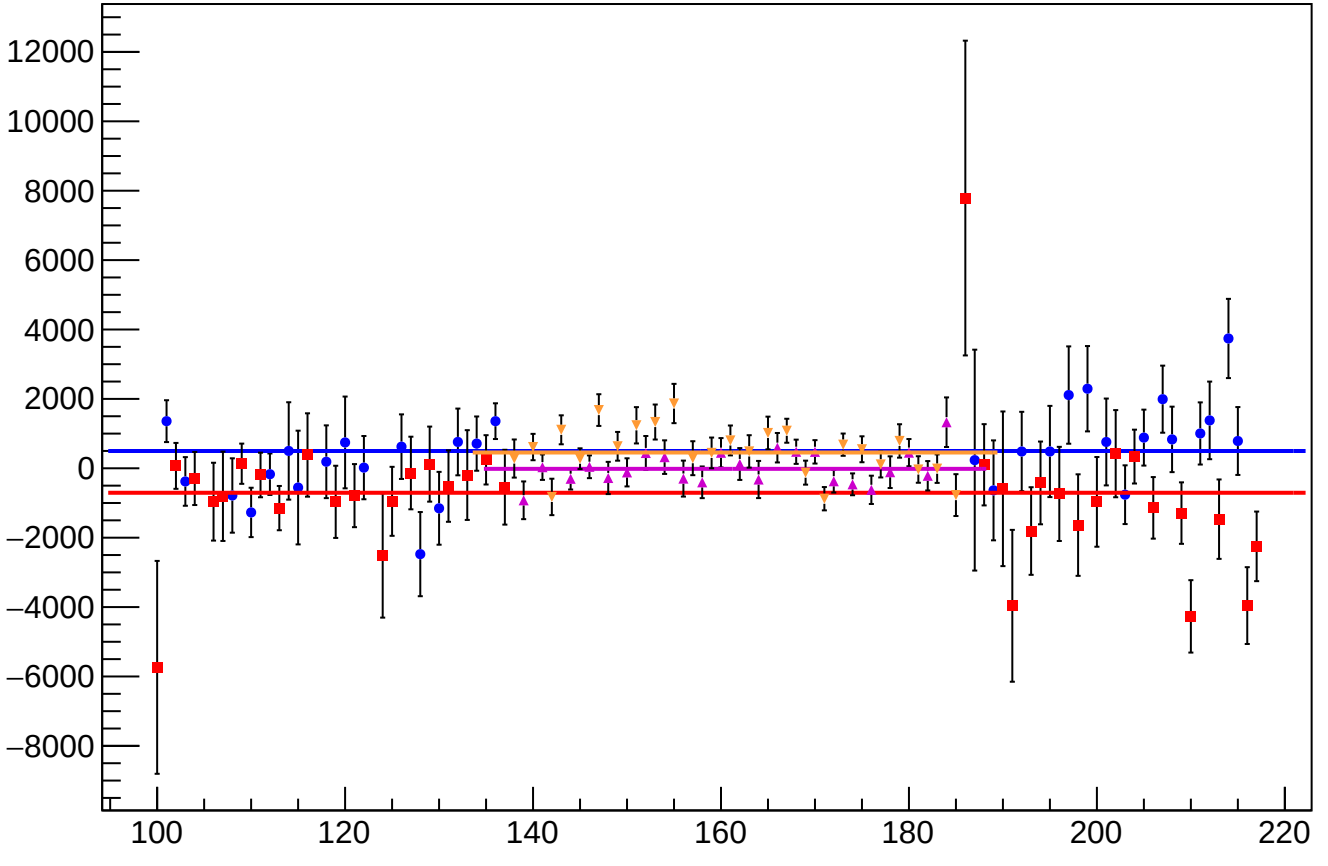
Right: 674.593+/-0.081 χ^2/NDF: 9860285.7/66

In: 415.947+/-0.052 χ^2/NDF:11510704.8/53

Out: 417.782+/-0.051 χ^2/NDF:13215355.1/60

All: 416.884+/-0.037 χ^2/NDF: 24726687.7/11

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: -705.345+/-166.390 χ^2/NDF: 46.3/35

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

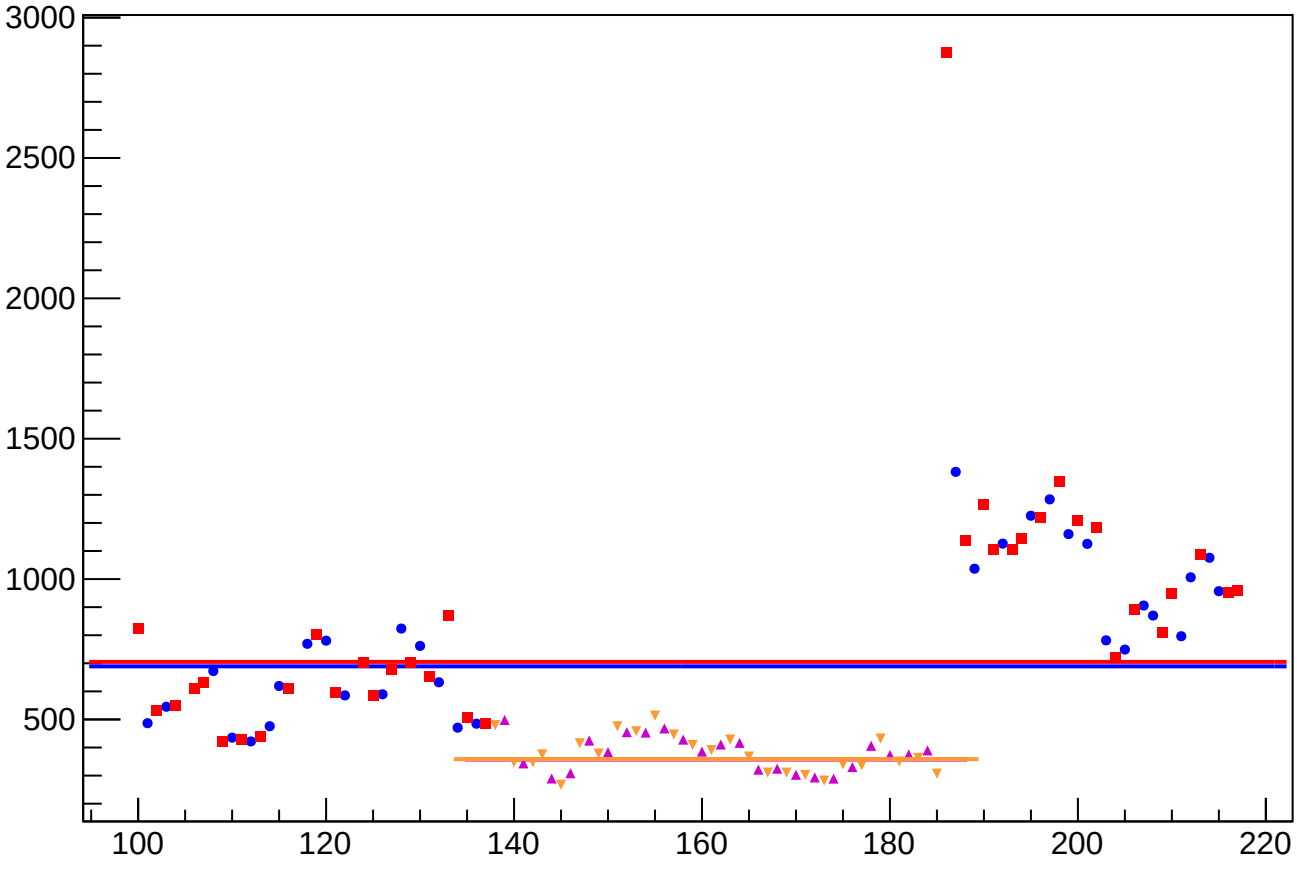
Right: -104.984+/-117.798 χ^2/NDF: 115.3/66

In: 89.634+/-75.613 χ^2/NDF:75.3/53

Out: 224.164+/-74.244 χ^2/NDF:146.1/60

All: 158.128+/-52.976 χ^2/NDF: 223.0/114

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: 705.083+/-0.118 χ^2/NDF: 5150520.4/35

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

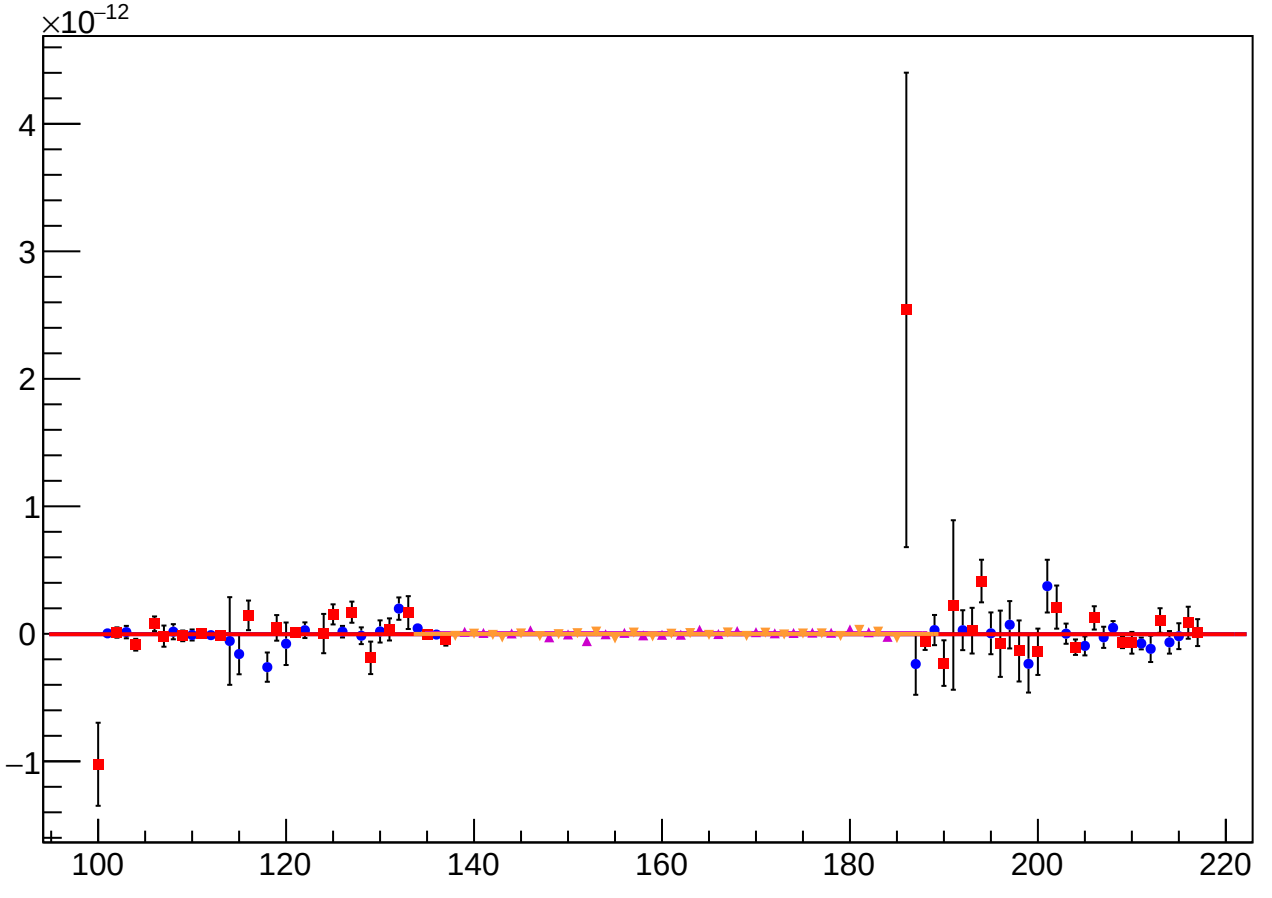
Right: 697.116+/-0.083 χ^2/NDF: 9267897.8/66

In: 425.397+/-0.053 χ^2/NDF:11382728.9/53

Out: 427.646+/-0.052 χ^2/NDF:13212719.6/60

All: 426.542+/-0.037 χ^2/NDF: 24596348.8/1

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 52.7/35

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

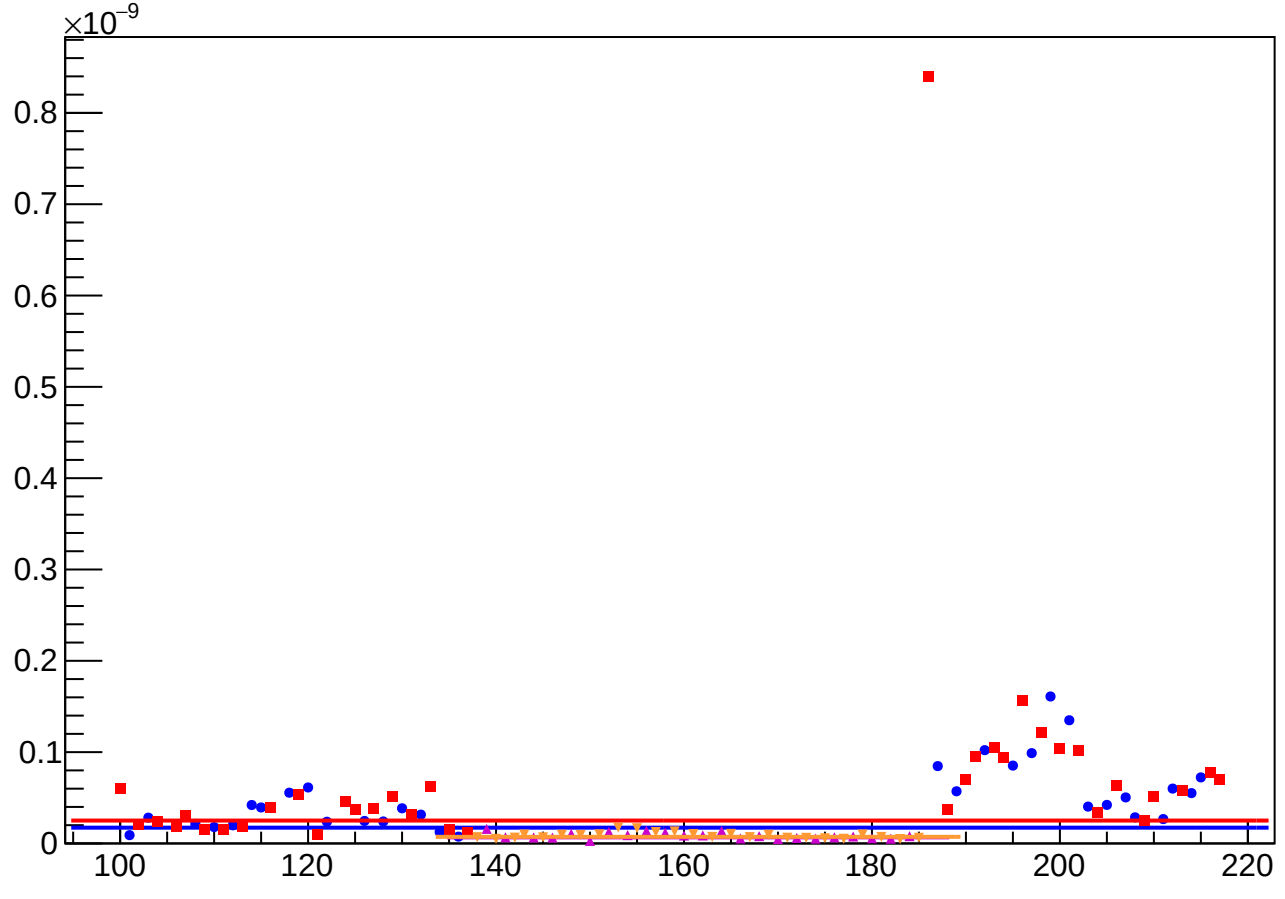
Right: -0.000+/-0.000 χ^2/NDF: 79.0/66

In: 0.000+/-0.000 χ^2/NDF:55.6/53

Out: -0.000+/-0.000 χ^2/NDF:70.9/60

All: 0.000+/-0.000 χ^2/NDF: 128.7/114

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: 6333863.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

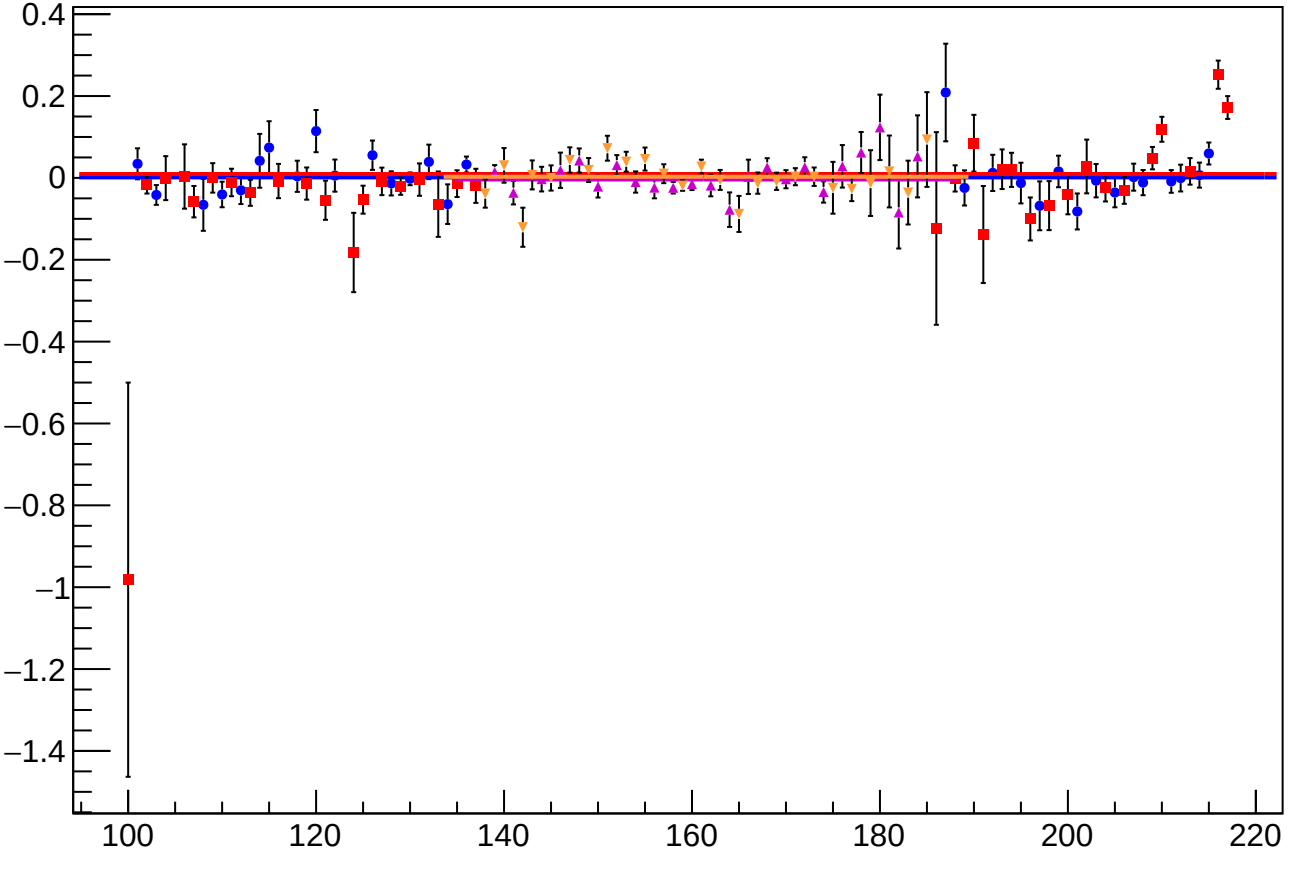
Right: 0.000+/-0.000 χ^2/NDF: 14551865.4/66

In: 0.000+/-0.000 χ^2/NDF:12171815.8/53

Out: 0.000+/-0.000 χ^2/NDF:12832617.8/60

All: 0.000+/-0.000 χ^2/NDF: 25067236.4/114

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

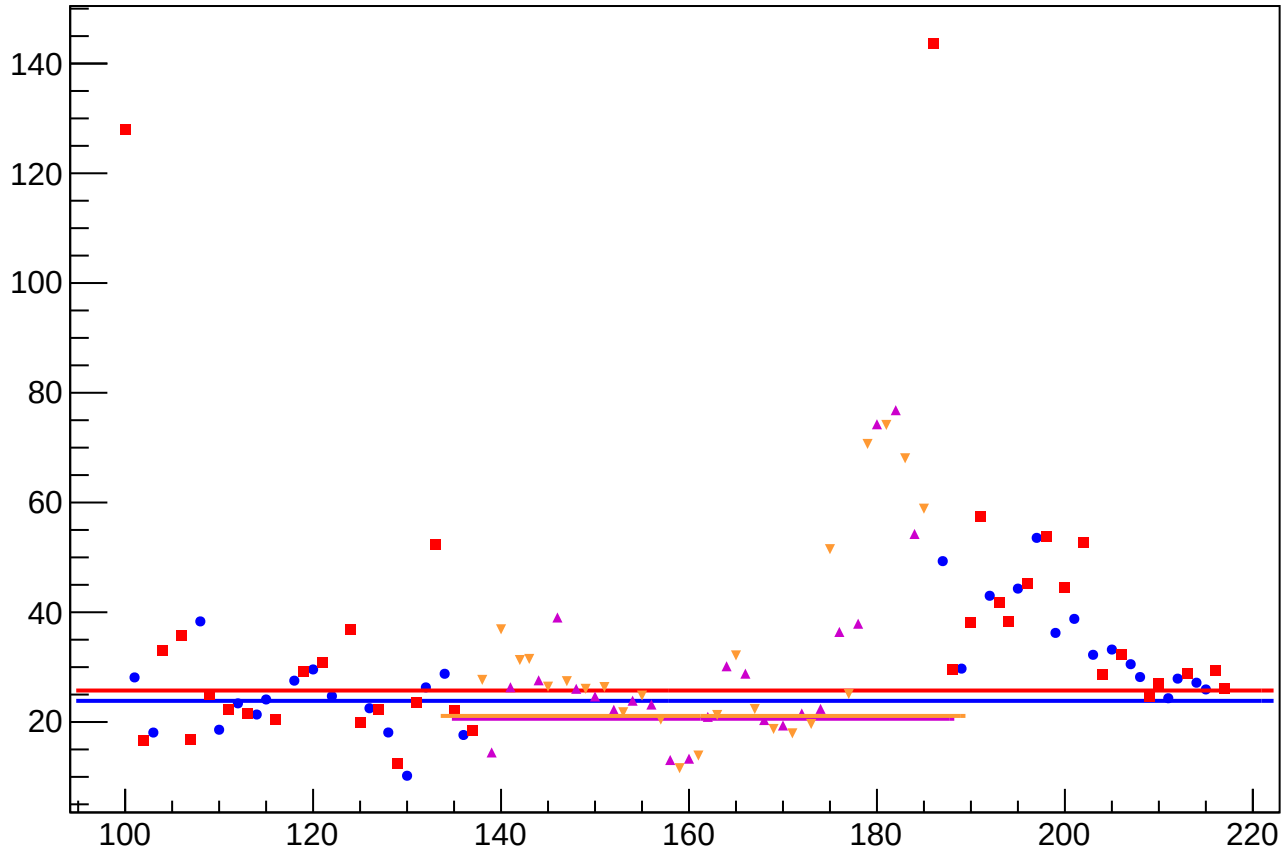
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.005+/-0.004 χ^2/NDF: 174.2/66

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: 0.006+/-0.004 χ^2/NDF:170.0/60

All: 0.002+/-0.003 χ^2/NDF: 233.3/114



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: 25.739+/-0.004 χ^2/NDF: 4592323.2/35

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

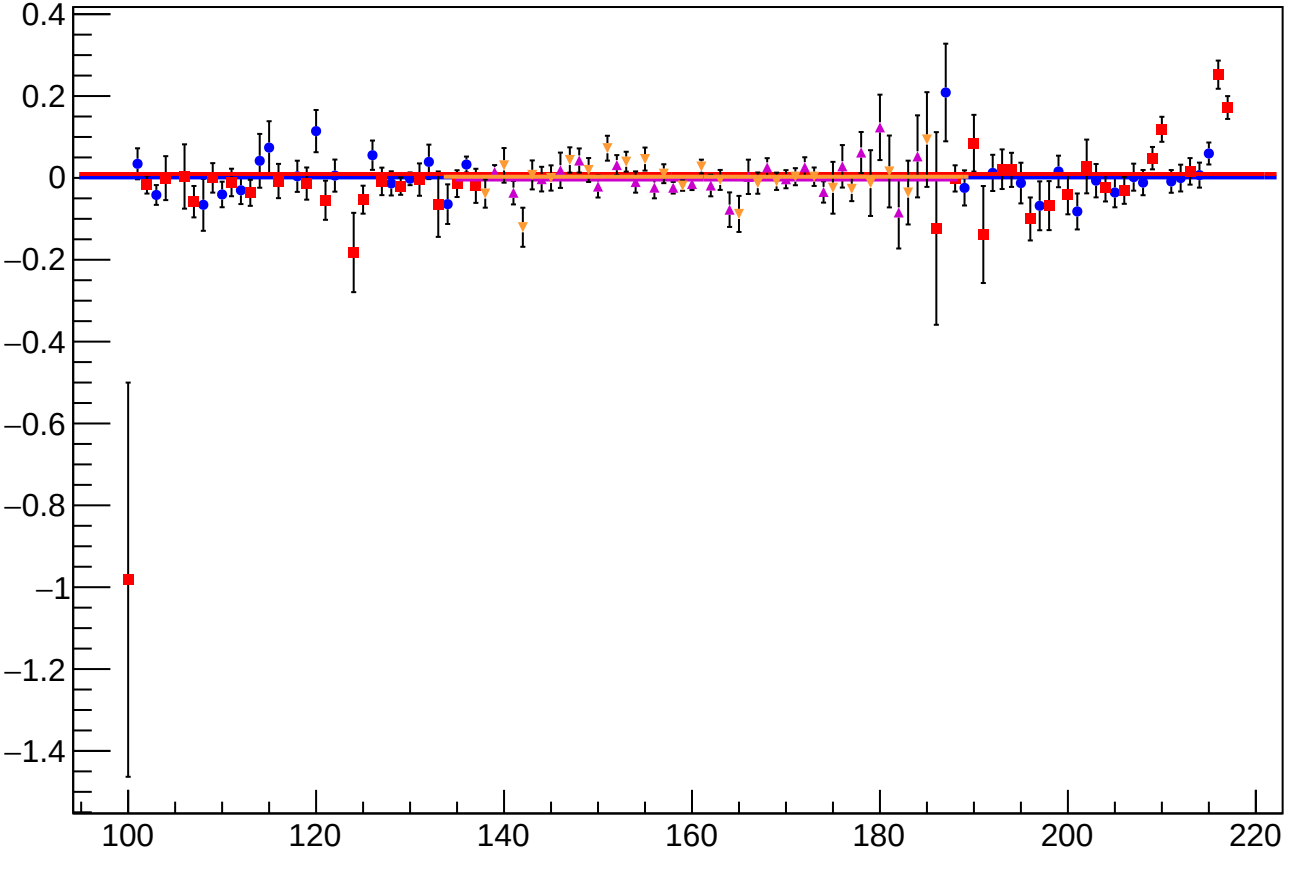
Right: 24.750+/-0.003 χ^2/NDF: 9058842.9/66

In: 22.053+/-0.003 χ^2/NDF:9296371.5/53

Out: 23.076+/-0.003 χ^2/NDF:10751624.9/60

All: 22.552+/-0.002 χ^2/NDF: 20110720.9/114

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

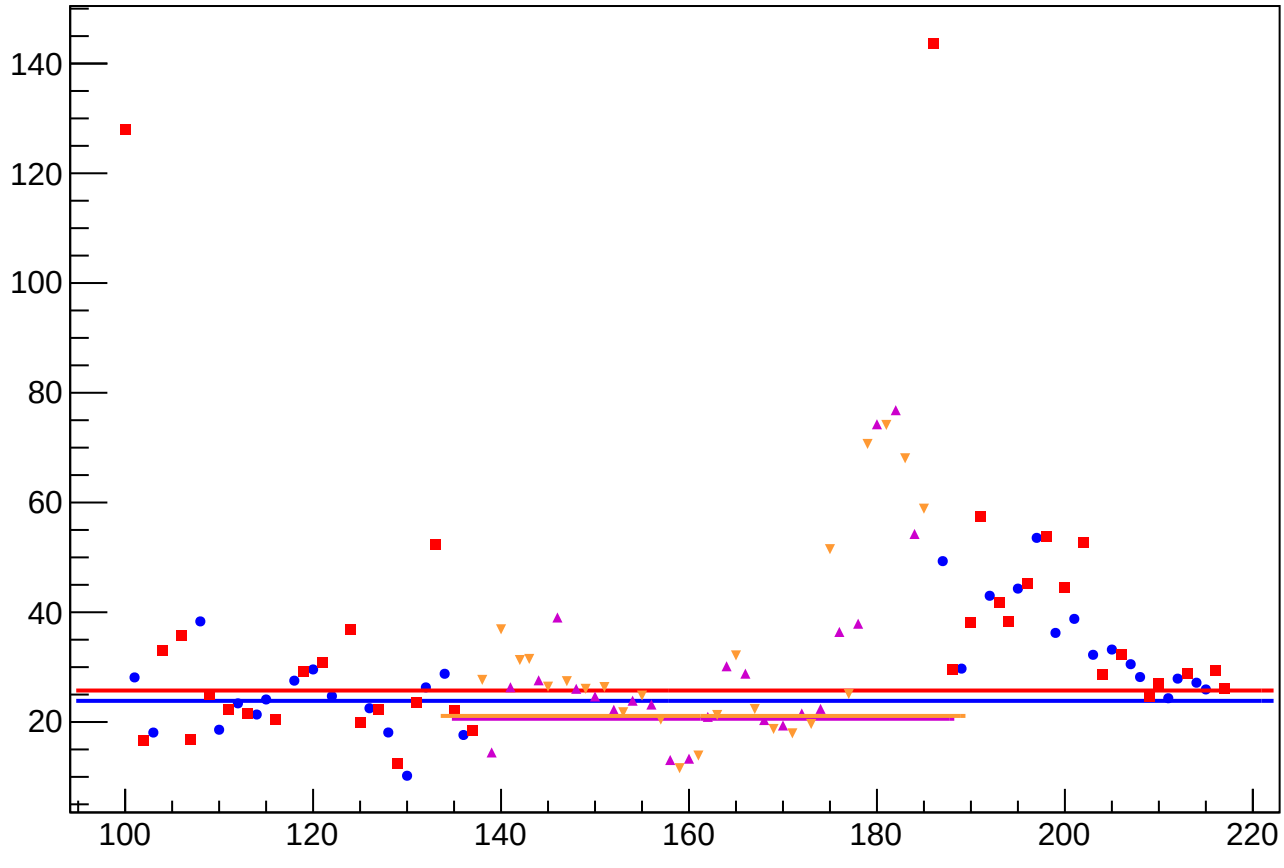
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.005+/-0.004 χ^2/NDF: 174.2/66

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: 0.006+/-0.004 χ^2/NDF:170.0/60

All: 0.002+/-0.003 χ^2/NDF: 233.3/114



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: 25.739+/-0.004 χ^2/NDF: 4592323.2/35

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

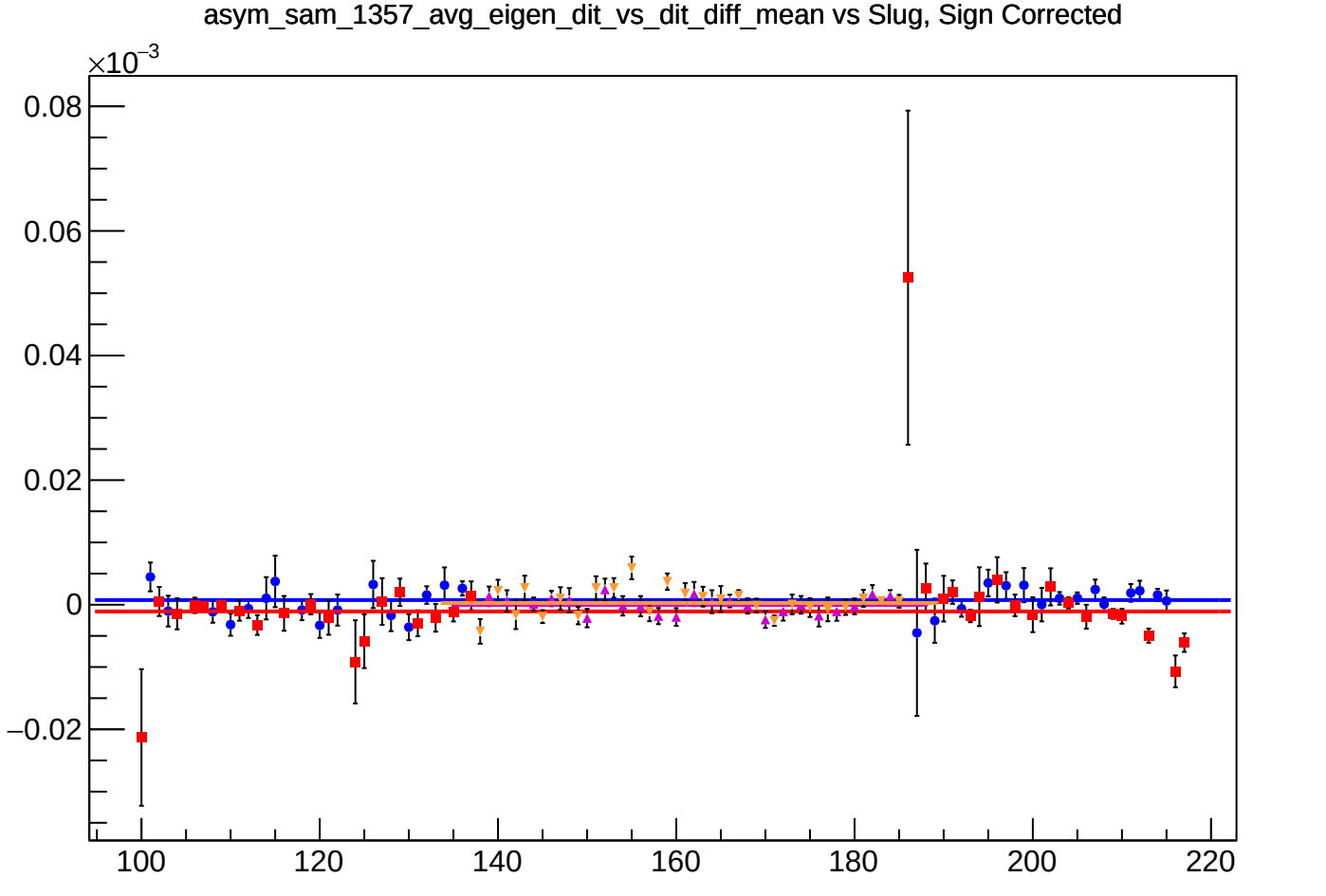
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.750+/-0.003 χ^2/NDF: 9058842.9/66

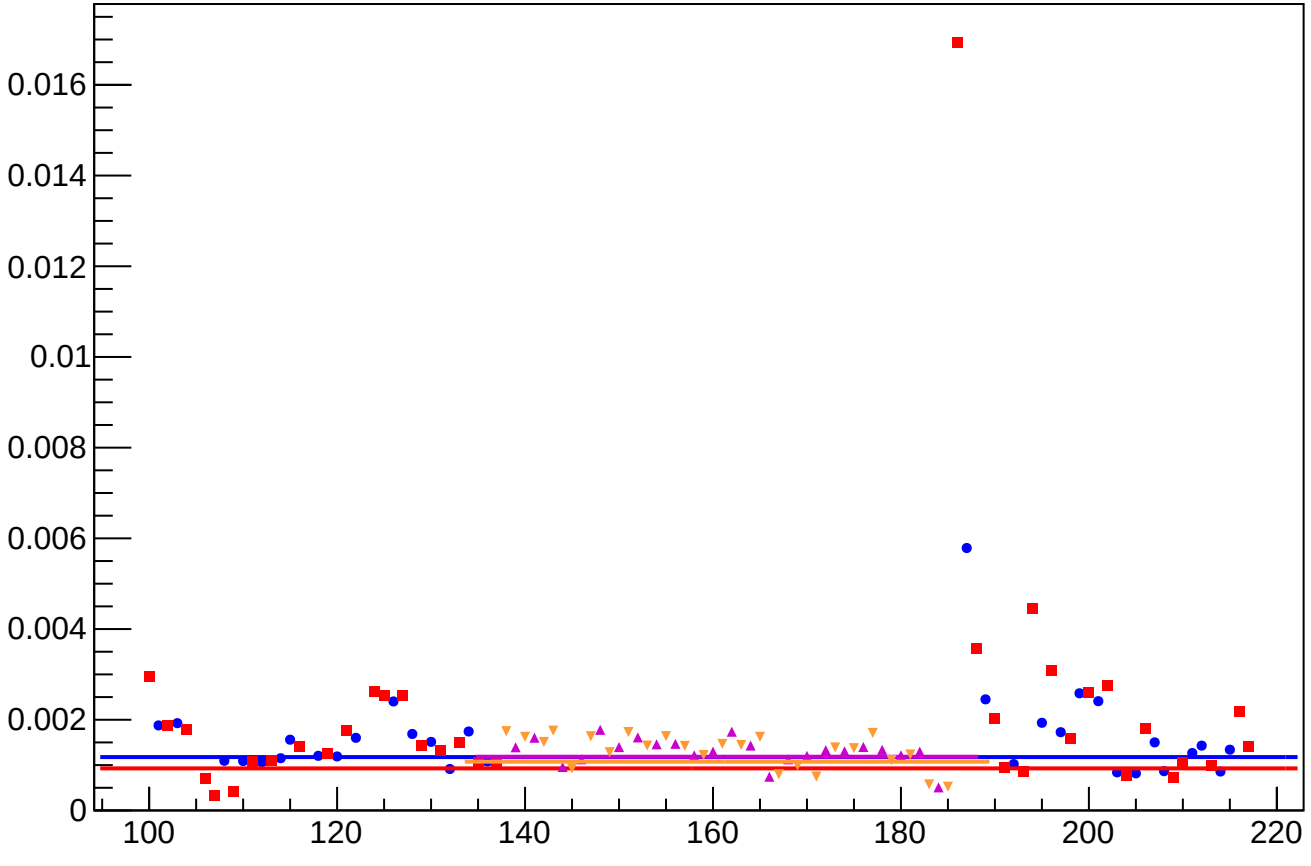
In: 22.053+/-0.003 χ^2/NDF:9296371.5/53

Out: 23.076+/-0.003 χ^2/NDF:10751624.9/60

All: 22.552+/-0.002 χ^2/NDF: 20110720.9/114


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 35.2/30
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 71.4/35
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 128.7/66
In: 0.000+/-0.000 χ²/NDF:58.5/53
Out: -0.000+/-0.000 χ²/NDF:138.1/60
All: -0.000+/-0.000 χ²/NDF: 204.7/114

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: 11907996.2/35

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

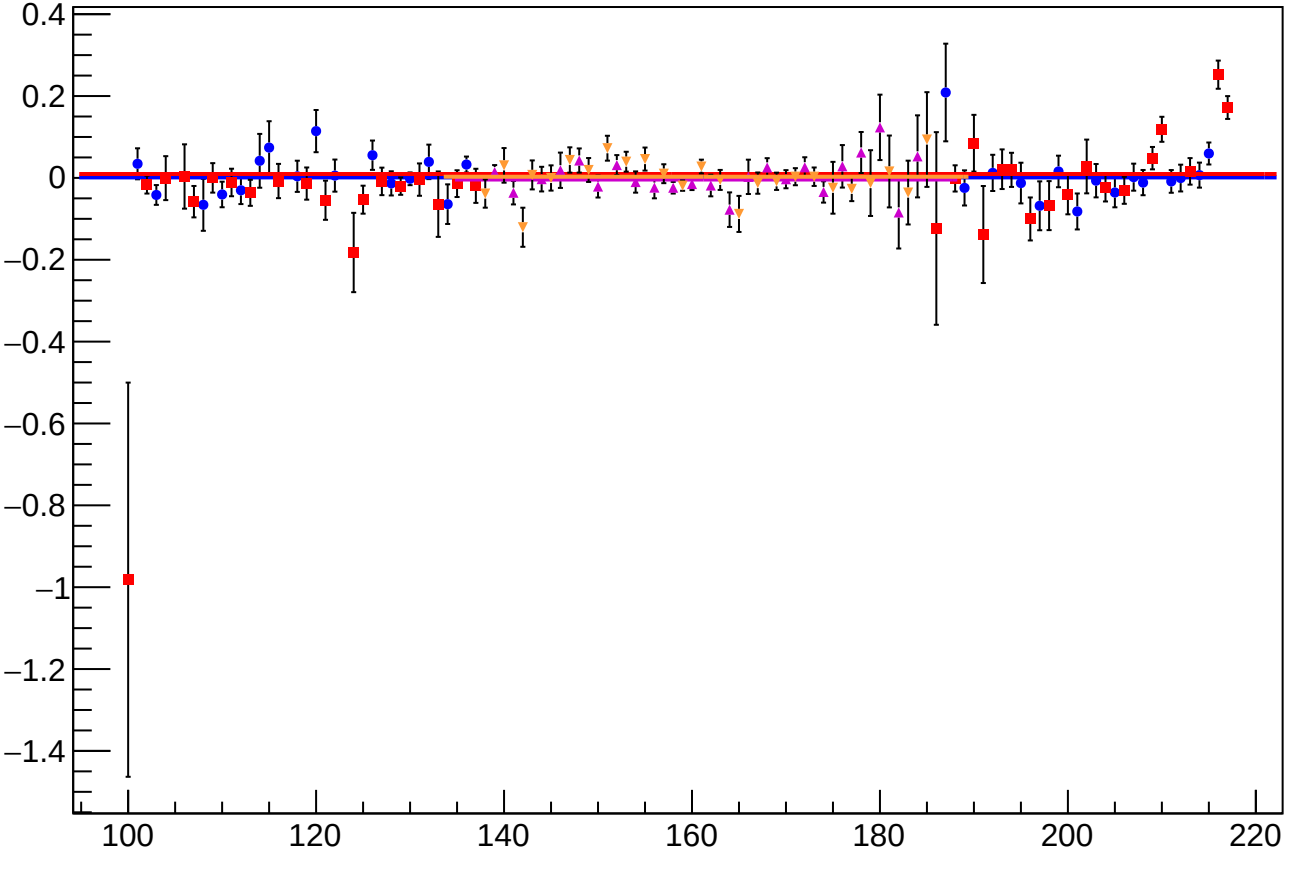
Right: 0.001+/-0.000 χ^2/NDF: 16614376.5/66

In: 0.001+/-0.000 χ^2/NDF:6338255.0/53

Out: 0.001+/-0.000 χ^2/NDF:16790888.7/60

All: 0.001+/-0.000 χ^2/NDF: 24012181.1/114

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

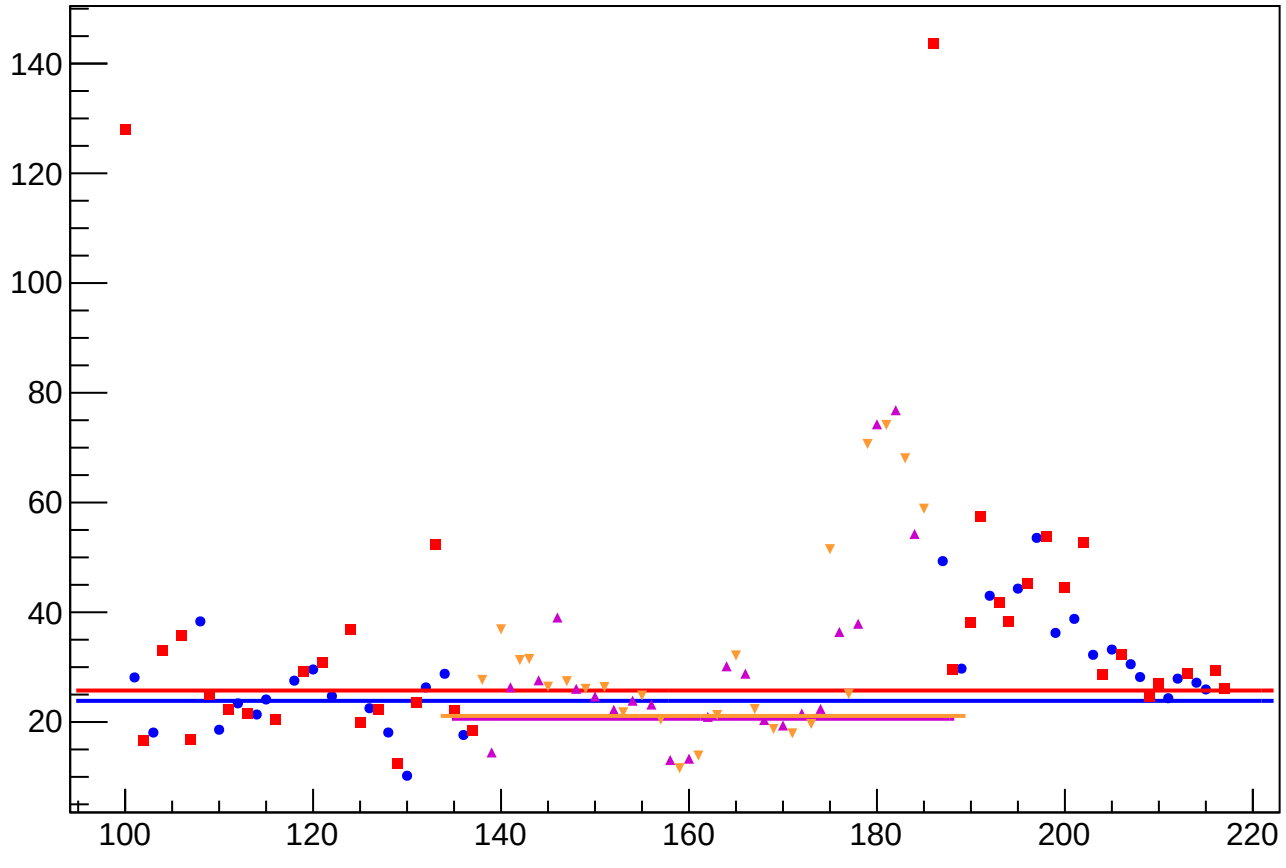
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.005+/-0.004 χ^2/NDF: 174.2/66

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: 0.006+/-0.004 χ^2/NDF:170.0/60

All: 0.002+/-0.003 χ^2/NDF: 233.3/114



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: 25.739+/-0.004 χ^2/NDF: 4592282.6/35

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

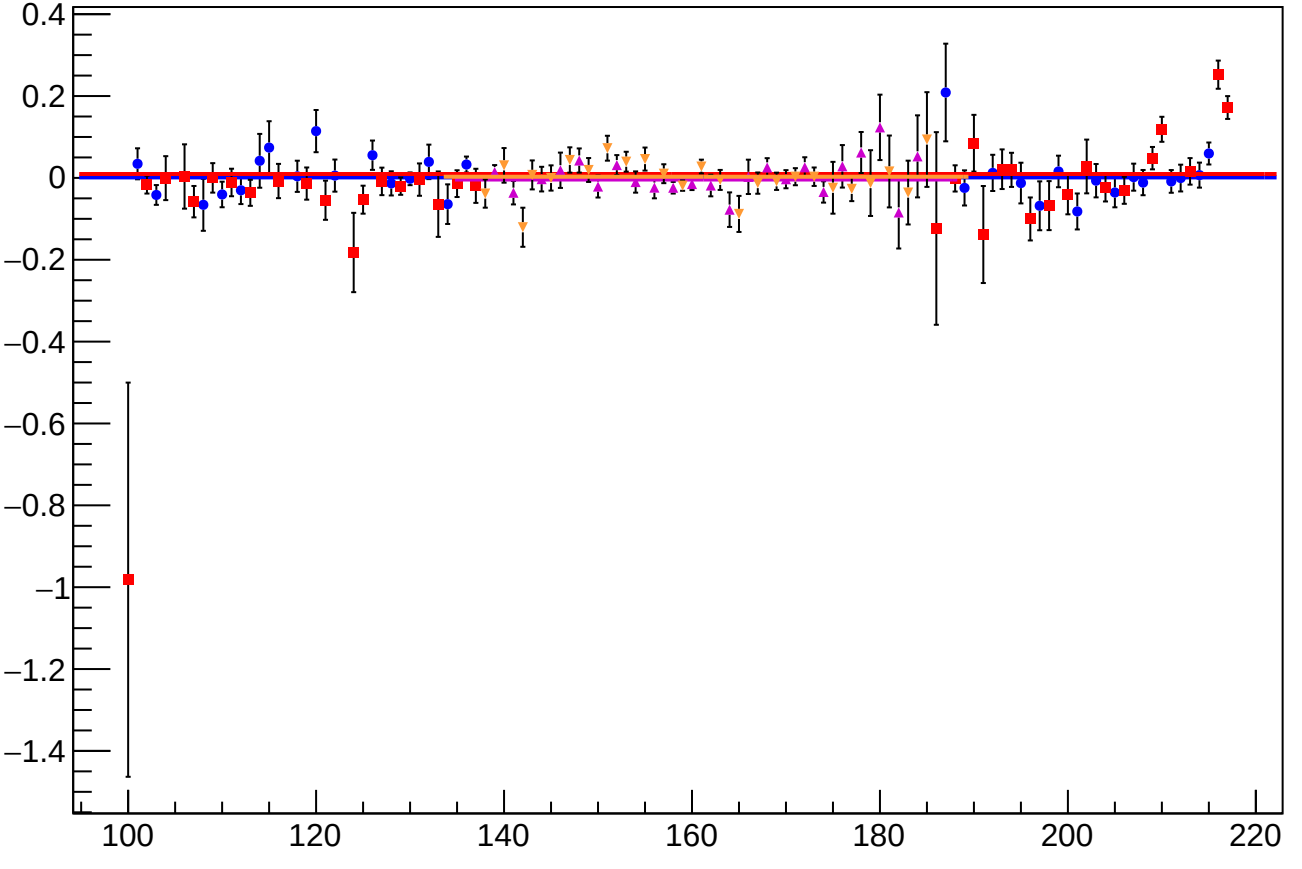
Right: 24.751+/-0.003 χ^2/NDF: 9058488.4/66

In: 22.053+/-0.003 χ^2/NDF:9296113.5/53

Out: 23.076+/-0.003 χ^2/NDF:10751723.6/60

All: 22.553+/-0.002 χ^2/NDF: 20110533.5/114

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

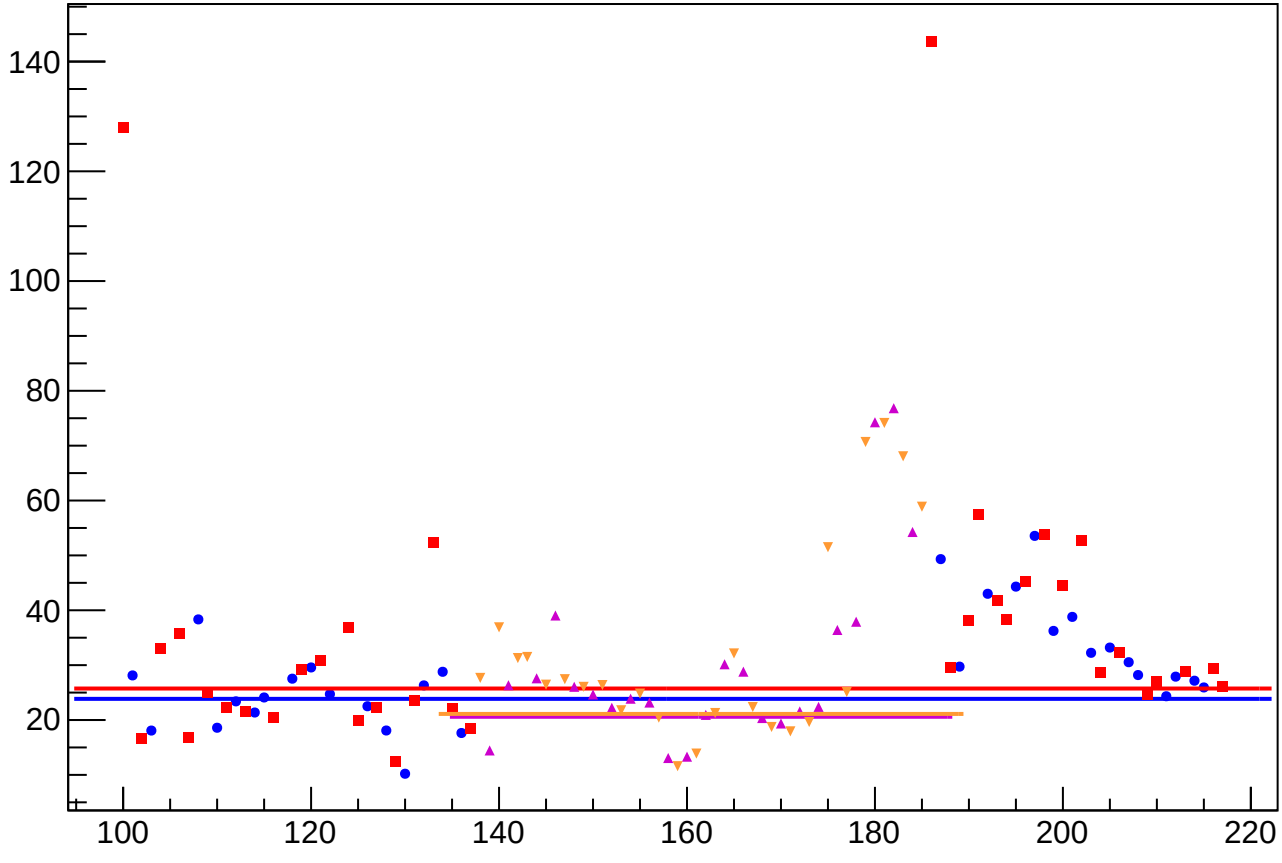
Right: 0.005+/-0.004 χ^2/NDF: 174.2/66

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: 0.006+/-0.004 χ^2/NDF:170.0/60

All: 0.002+/-0.003 χ^2/NDF: 233.3/114

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: 25.739+/-0.004 χ^2/NDF: 4592282.6/35

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

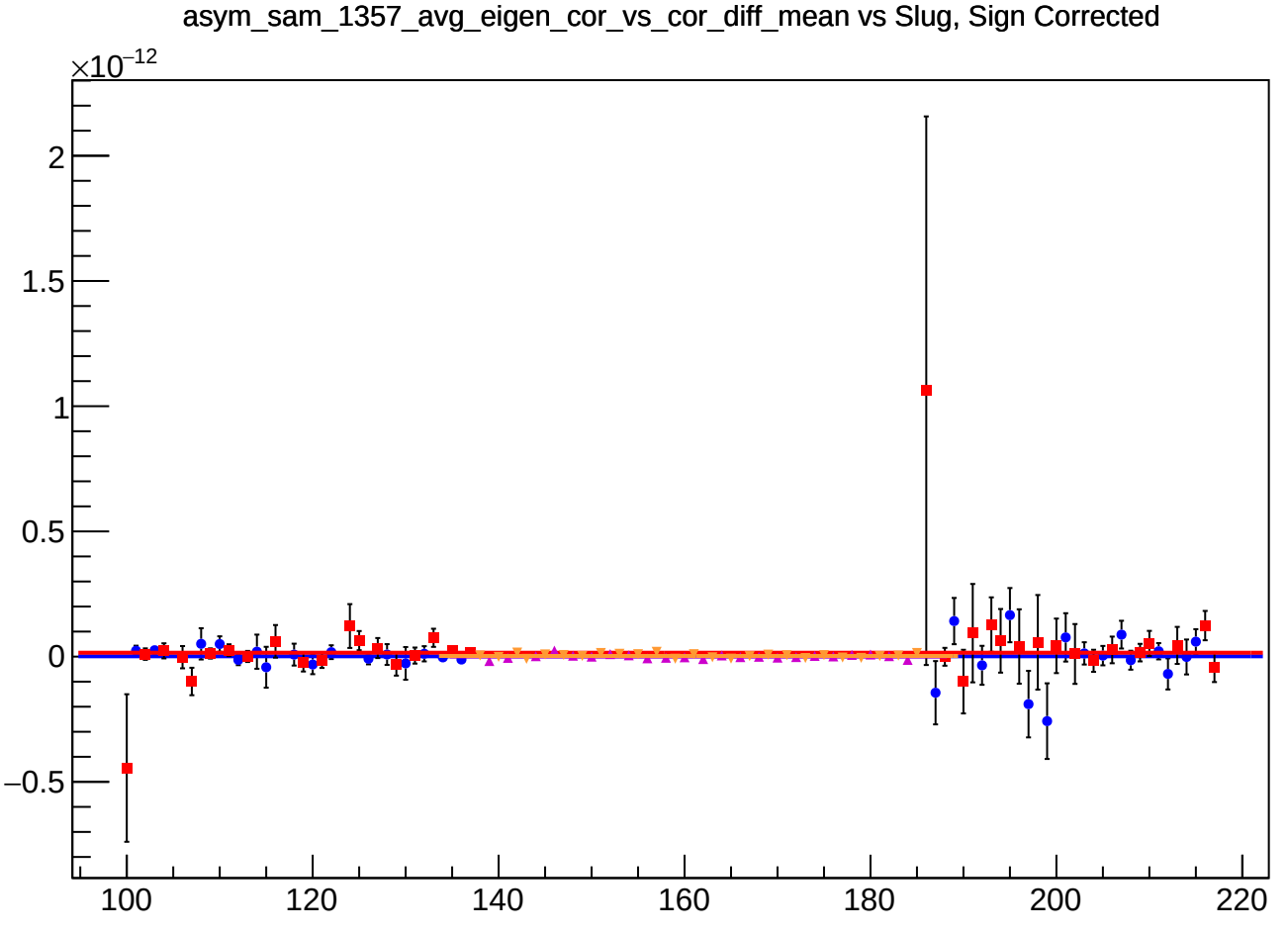
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.751+/-0.003 χ^2/NDF: 9058488.4/66

In: 22.053+/-0.003 χ^2/NDF:9296113.5/53

Out: 23.076+/-0.003 χ^2/NDF:10751723.6/60

All: 22.553+/-0.002 χ^2/NDF: 20110533.5/114



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: 26.7/35

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

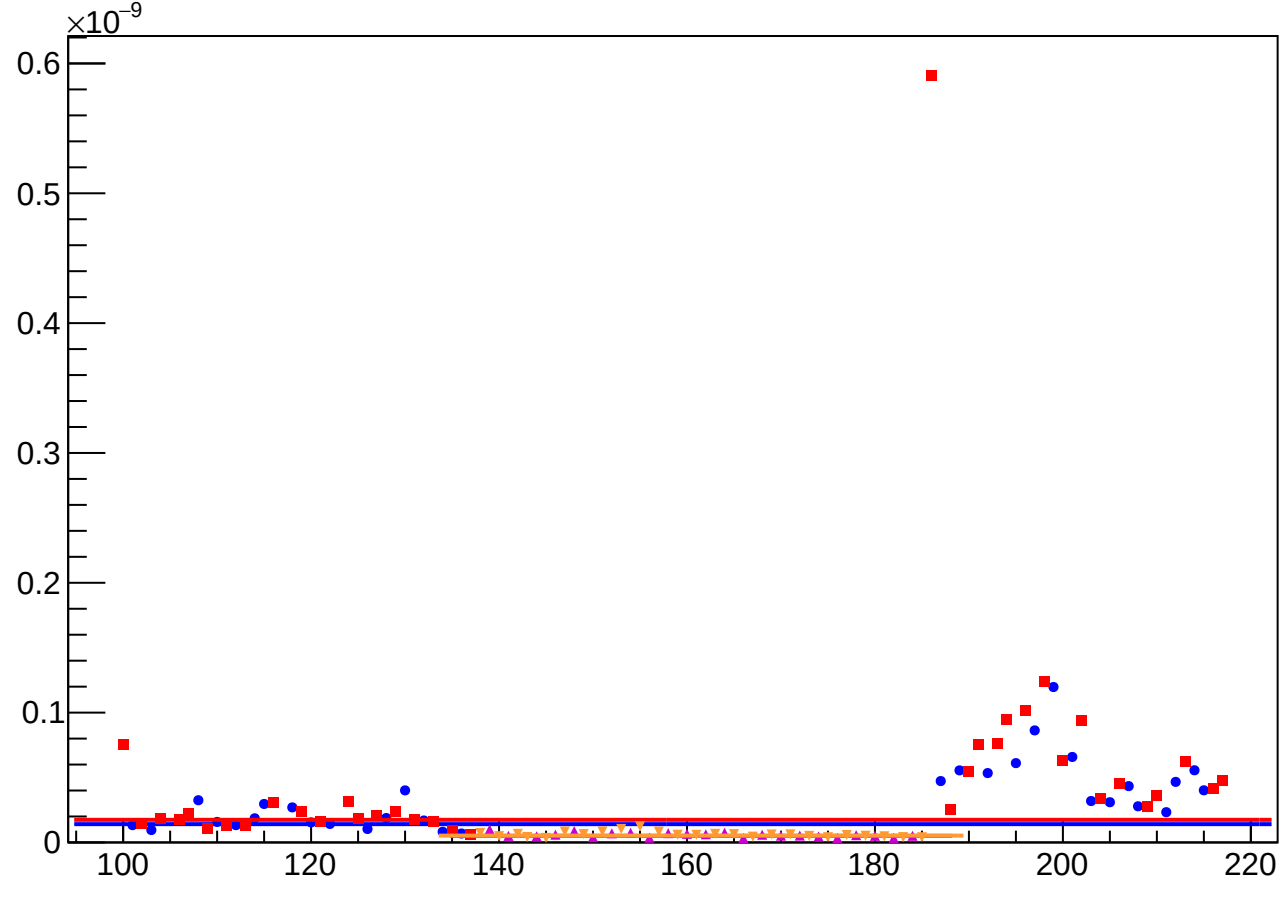
Right: 0.000+/-0.000 χ^2/NDF: 58.0/66

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:51.7/60

All: 0.000+/-0.000 χ^2/NDF: 102.7/114

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: 9758006.3/35

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

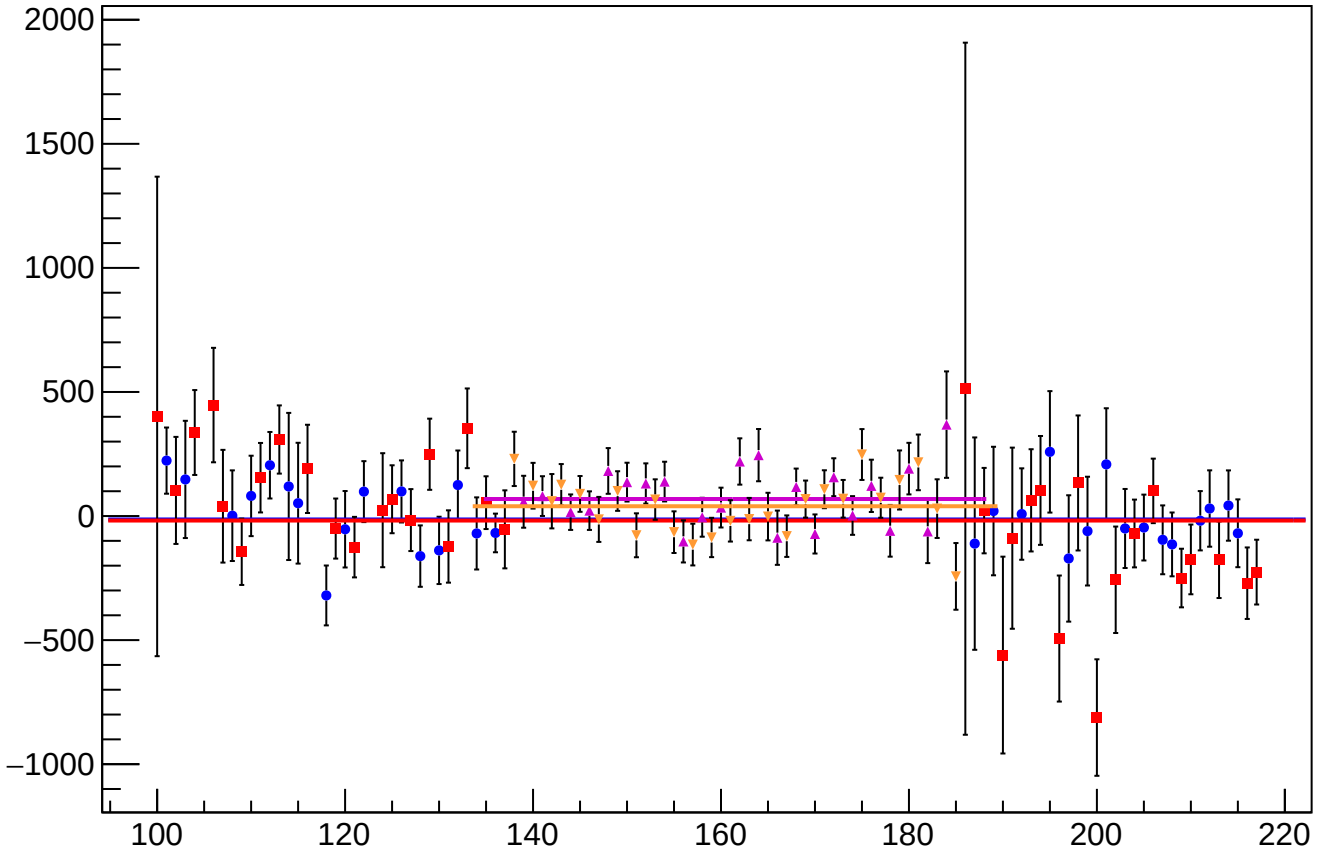
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 19729176.2/66

In: 0.000+/-0.000 χ^2/NDF:16778809.8/53

Out: 0.000+/-0.000 χ^2/NDF:19456493.3/60

All: 0.000+/-0.000 χ^2/NDF: 36254407.3/114



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: -18.108+/-27.044 χ^2/NDF: 61.3/35

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

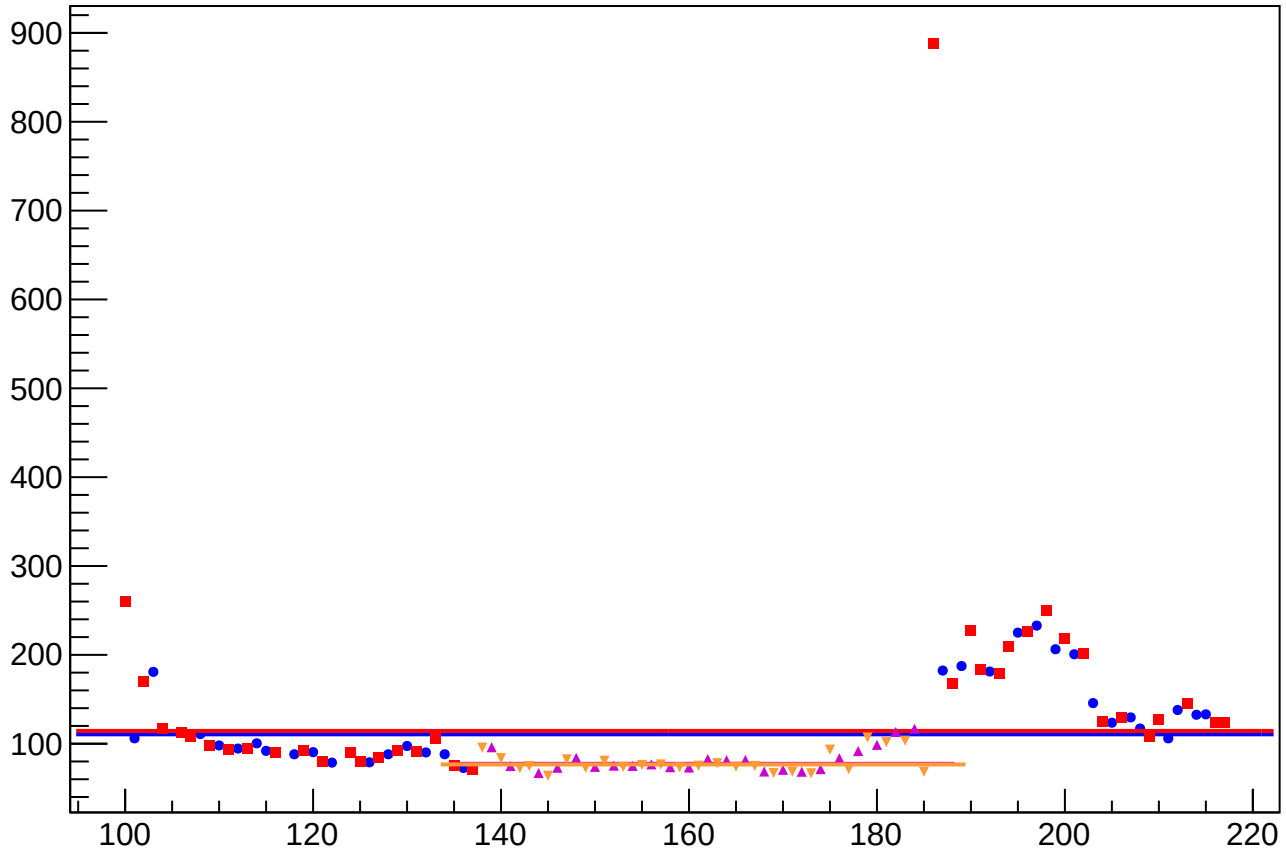
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: -15.945+/-19.019 χ^2/NDF: 84.5/66

In: 42.305+/-15.114 χ^2/NDF:58.6/53

Out: 22.254+/-14.790 χ^2/NDF:96.4/60

All: 32.063+/-10.571 χ^2/NDF: 156.0/114



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: 114.389+/-0.019 χ^2/NDF: 4743503.5/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

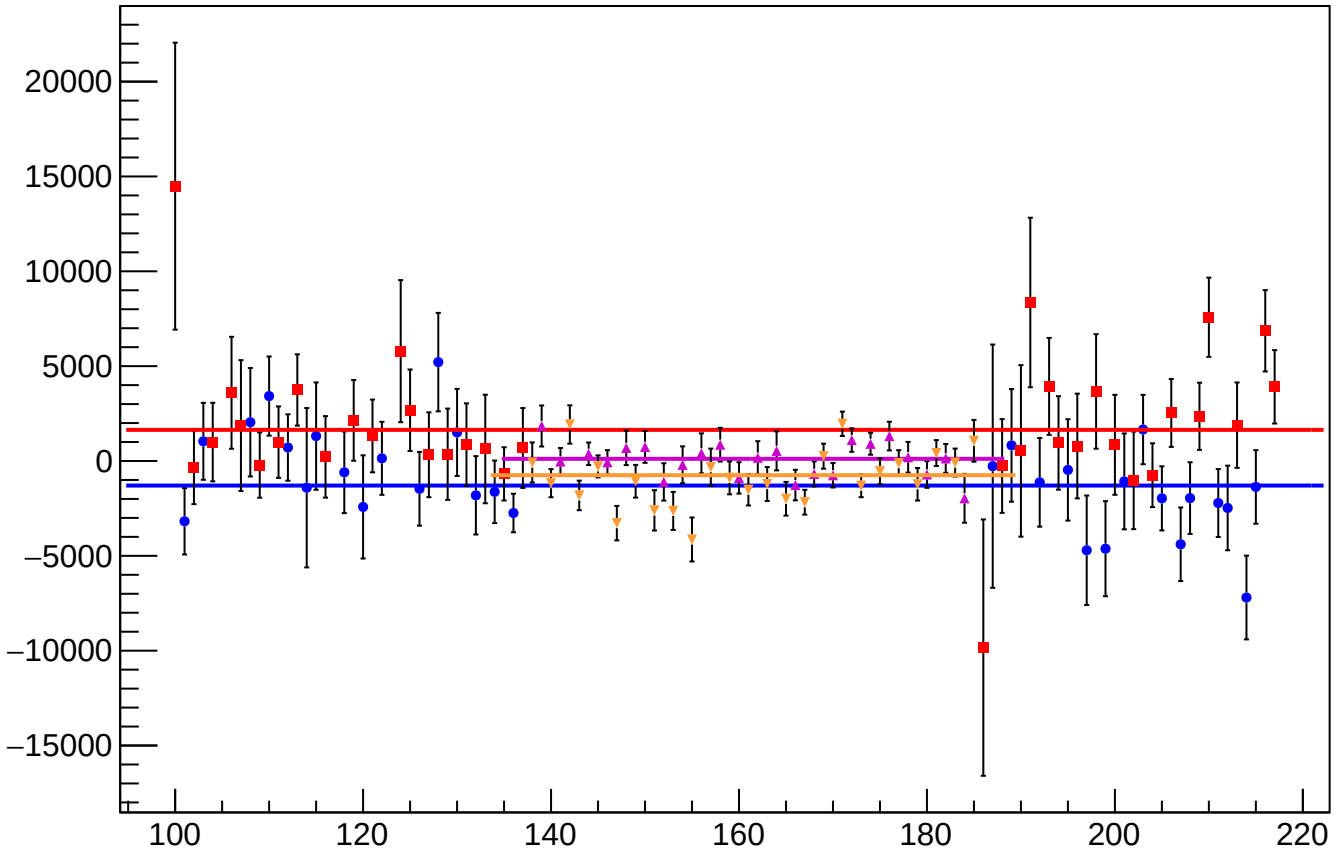
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 112.453+/-0.013 χ^2/NDF: 8463199.4/66

In: 87.948+/-0.011 χ^2/NDF:6388176.3/53

Out: 87.935+/-0.010 χ^2/NDF:8128502.6/60

All: 87.941+/-0.007 χ^2/NDF: 14516679.7/114



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: 1641.291+/-375.428 χ^2/NDF: 39.1/35

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

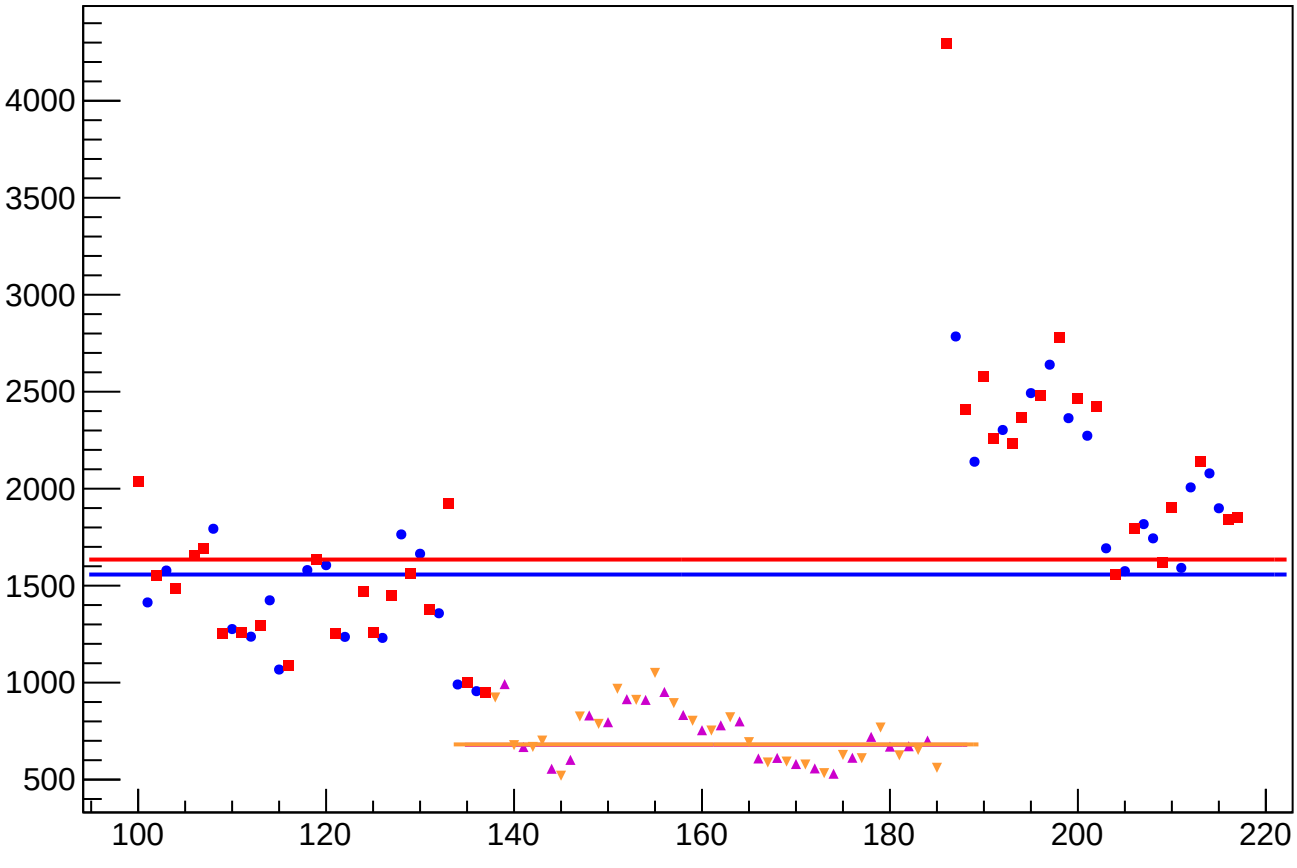
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 152.159+/-263.562 χ^2/NDF: 108.9/66

In: -112.275+/-148.258 χ^2/NDF:76.0/53

Out: -389.571+/-145.692 χ^2/NDF:143.5/60

All: -253.344+/-103.915 χ^2/NDF: 221.3/114



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: 1634.592+/-0.265 χ^2/NDF: 3199636.2/35

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

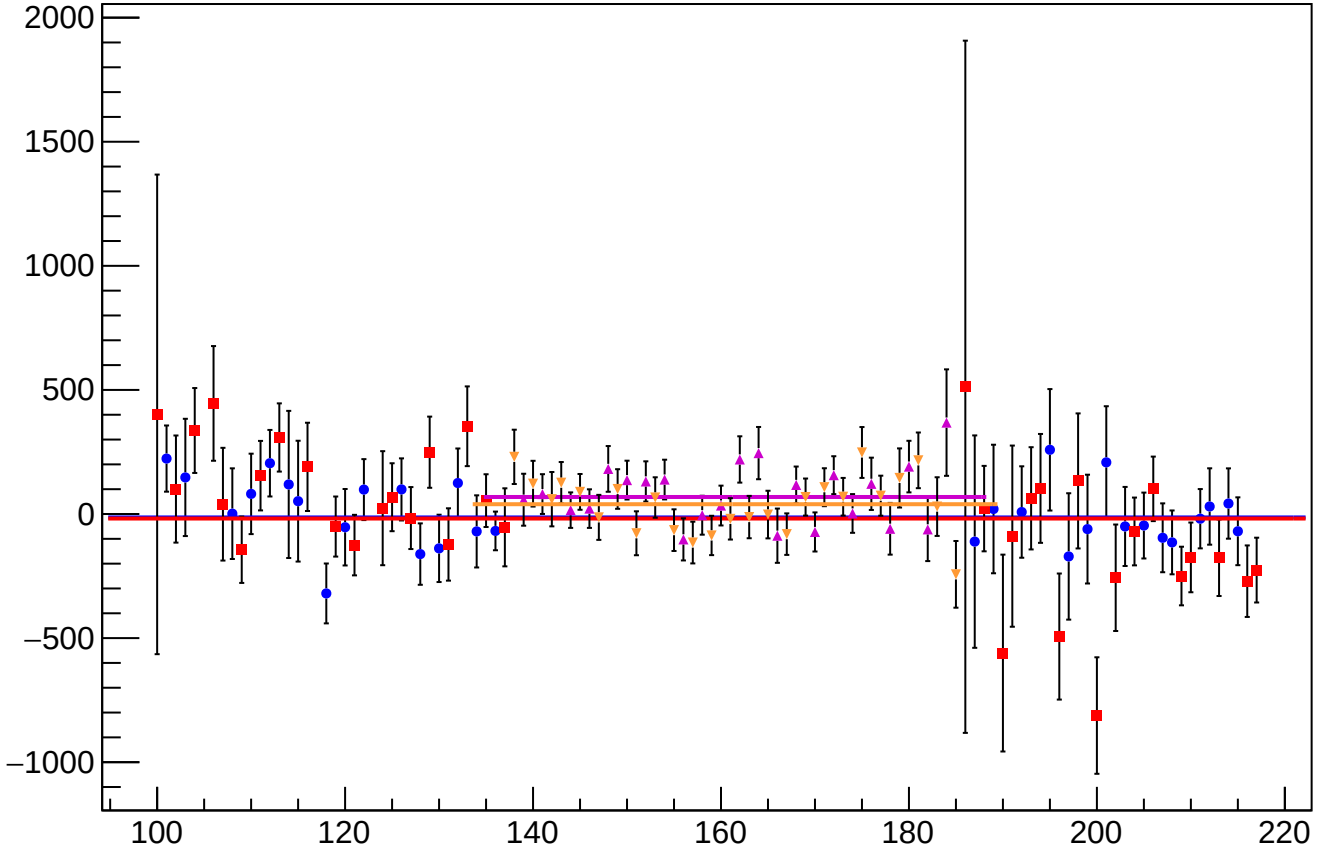
Right: 1595.417+/-0.186 χ^2/NDF: 6090784.6/66

In: 820.301+/-0.105 χ^2/NDF:13481888.4/53

Out: 824.971+/-0.103 χ^2/NDF:15484169.8/60

All: 822.677+/-0.073 χ^2/NDF: 28967067.9/1

cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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: -18.196+/-27.045 χ^2/NDF: 61.2/35

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

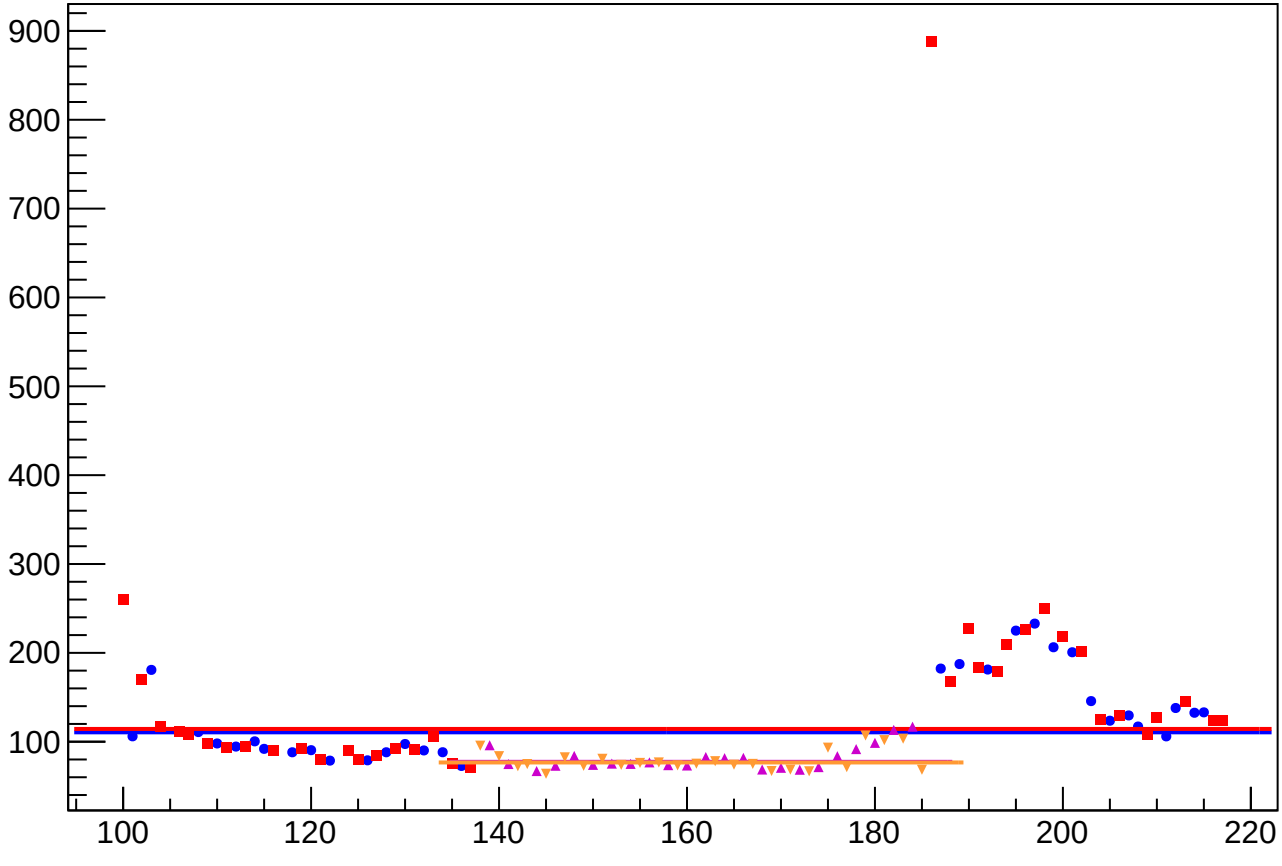
Right: -15.992+/-19.019 χ^2/NDF: 84.4/66

In: 42.302+/-15.114 χ^2/NDF:58.6/53

Out: 22.234+/-14.790 χ^2/NDF:96.4/60

All: 32.051+/-10.571 χ^2/NDF: 155.9/114

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: 114.372+/-0.019 χ^2/NDF: 4743972.0/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

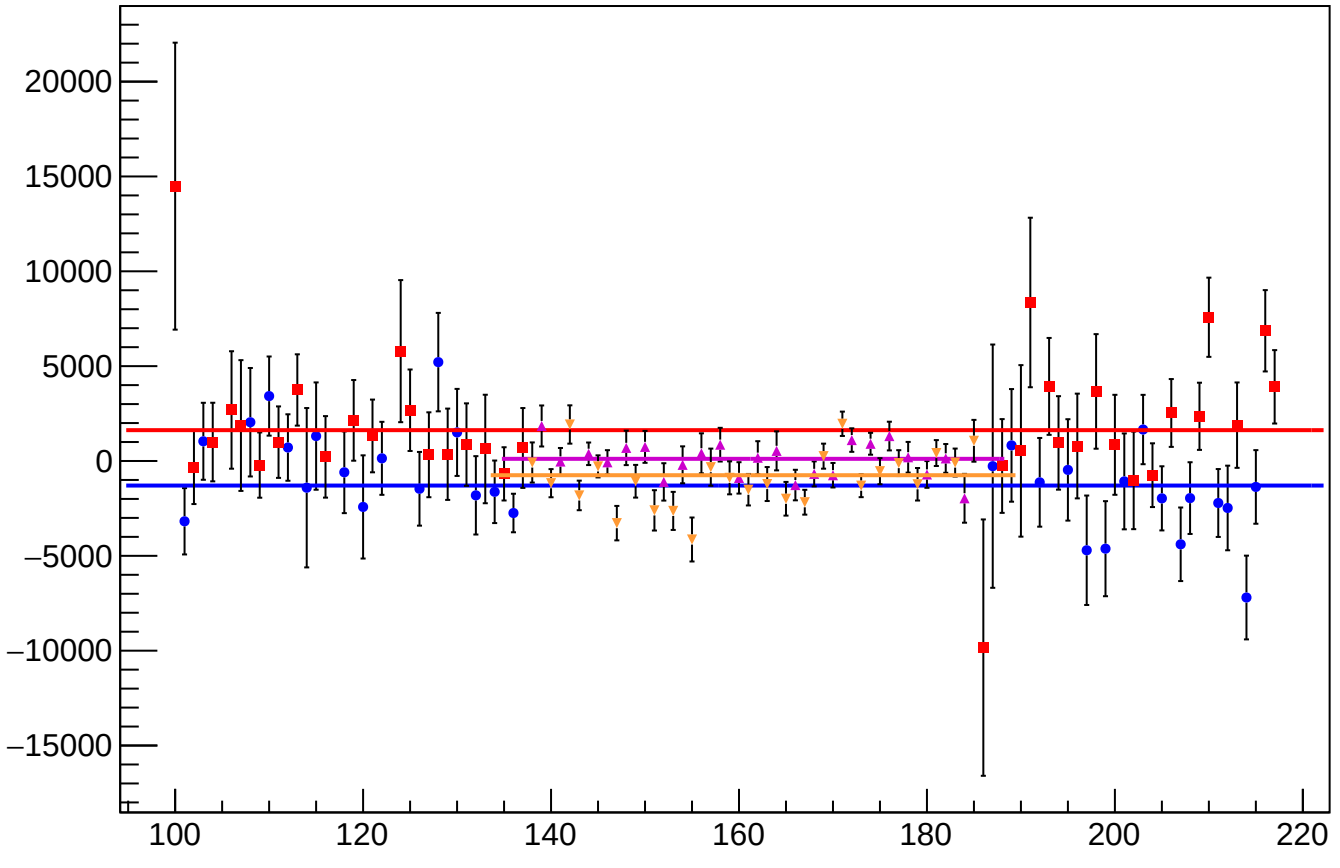
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 112.444+/-0.013 χ^2/NDF: 8463484.4/66

In: 87.948+/-0.011 χ^2/NDF:6388179.9/53

Out: 87.929+/-0.010 χ^2/NDF:8126293.4/60

All: 87.938+/-0.007 χ^2/NDF: 14514474.8/114



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: 1625.410+/-375.716 χ^2/NDF: 38.7/35

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

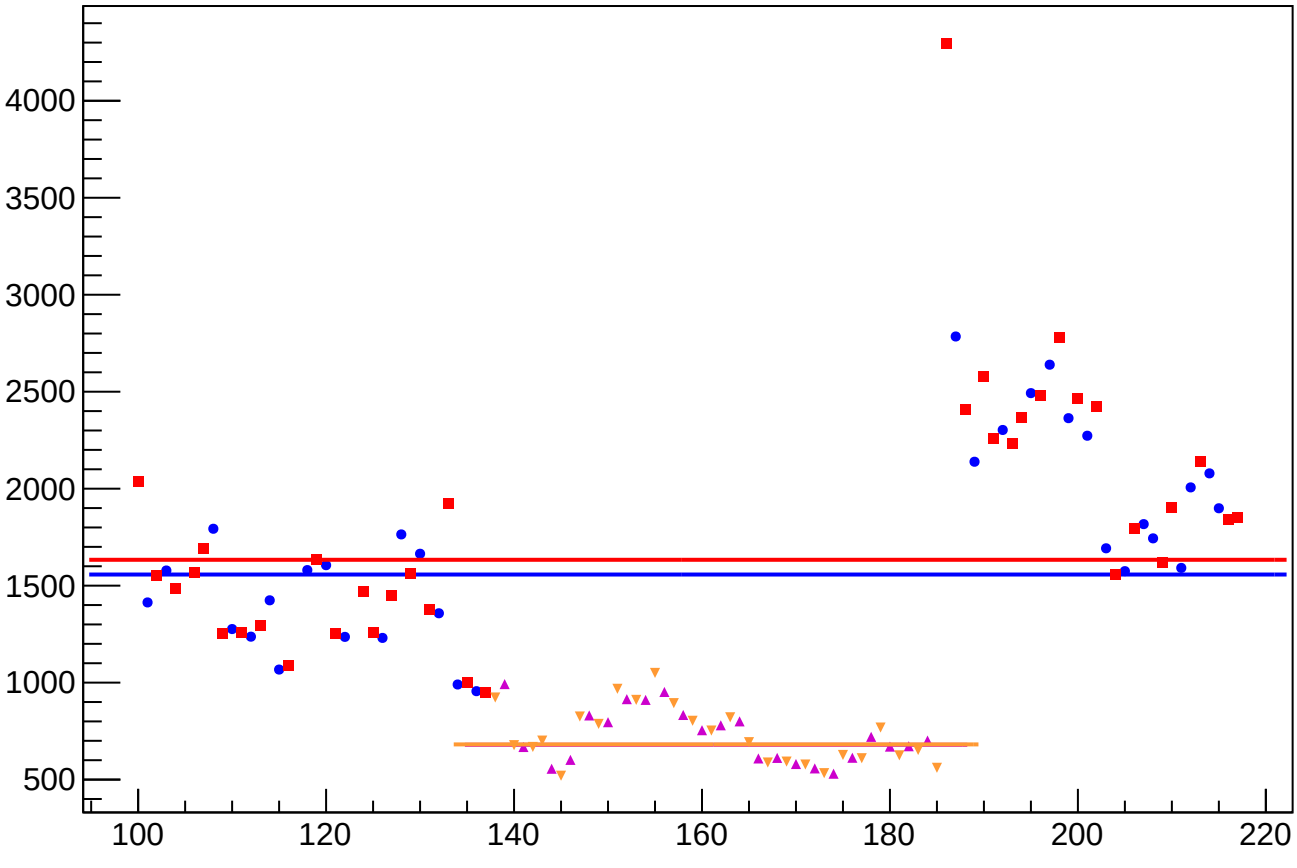
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 143.223+/-263.662 χ^2/NDF: 108.2/66

In: -112.271+/-148.258 χ^2/NDF:76.0/53

Out: -392.422+/-145.709 χ^2/NDF:142.7/60

All: -254.776+/-103.921 χ^2/NDF: 220.5/114



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: 1633.332+/-0.266 χ^2/NDF: 3200327.2/35

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

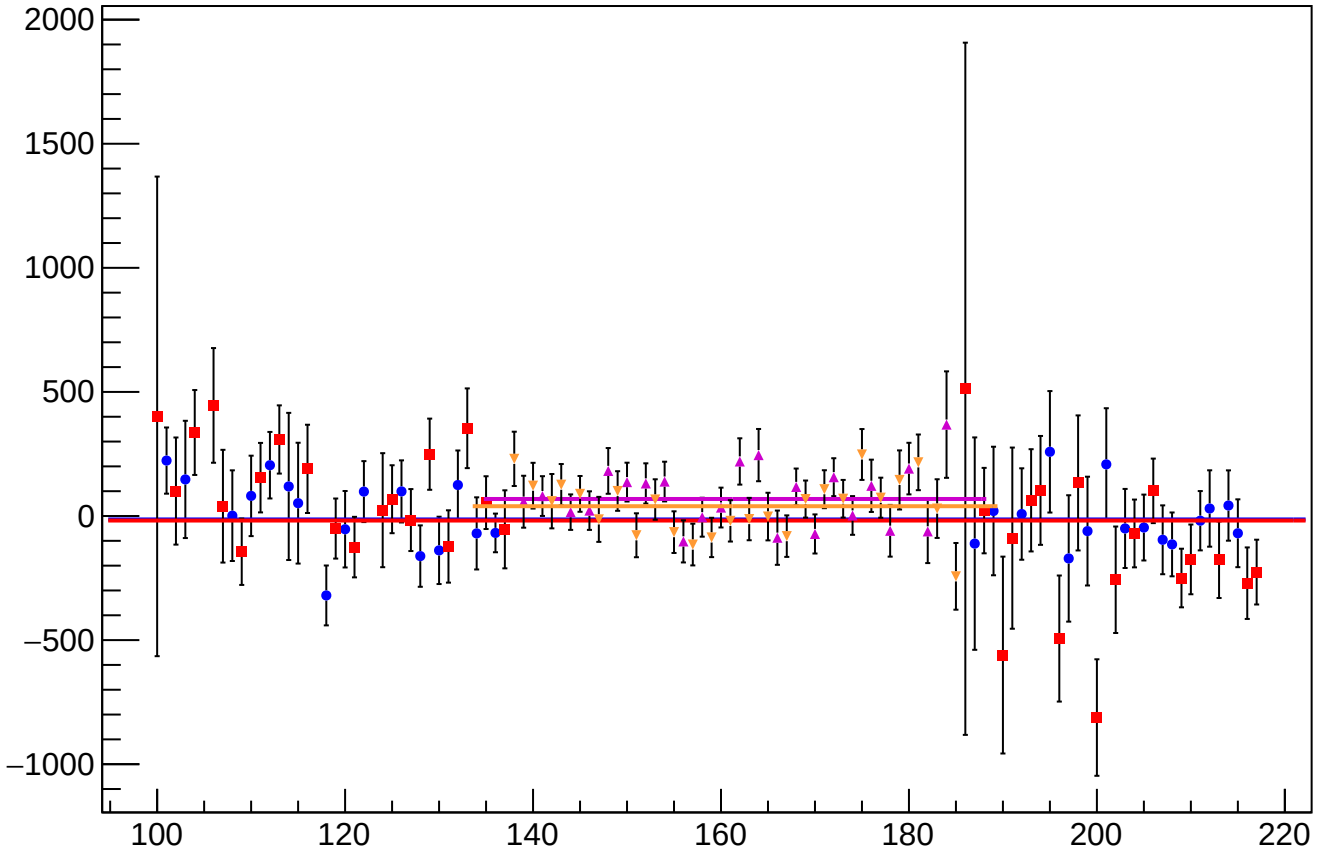
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1594.769+/-0.186 χ^2/NDF: 6090057.7/66

In: 820.301+/-0.105 χ^2/NDF:13481921.8/53

Out: 824.594+/-0.103 χ^2/NDF:15441689.2/60

All: 822.485+/-0.073 χ^2/NDF: 28924464.0/11



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: -18.196+/-27.045 χ^2/NDF: 61.2/35

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

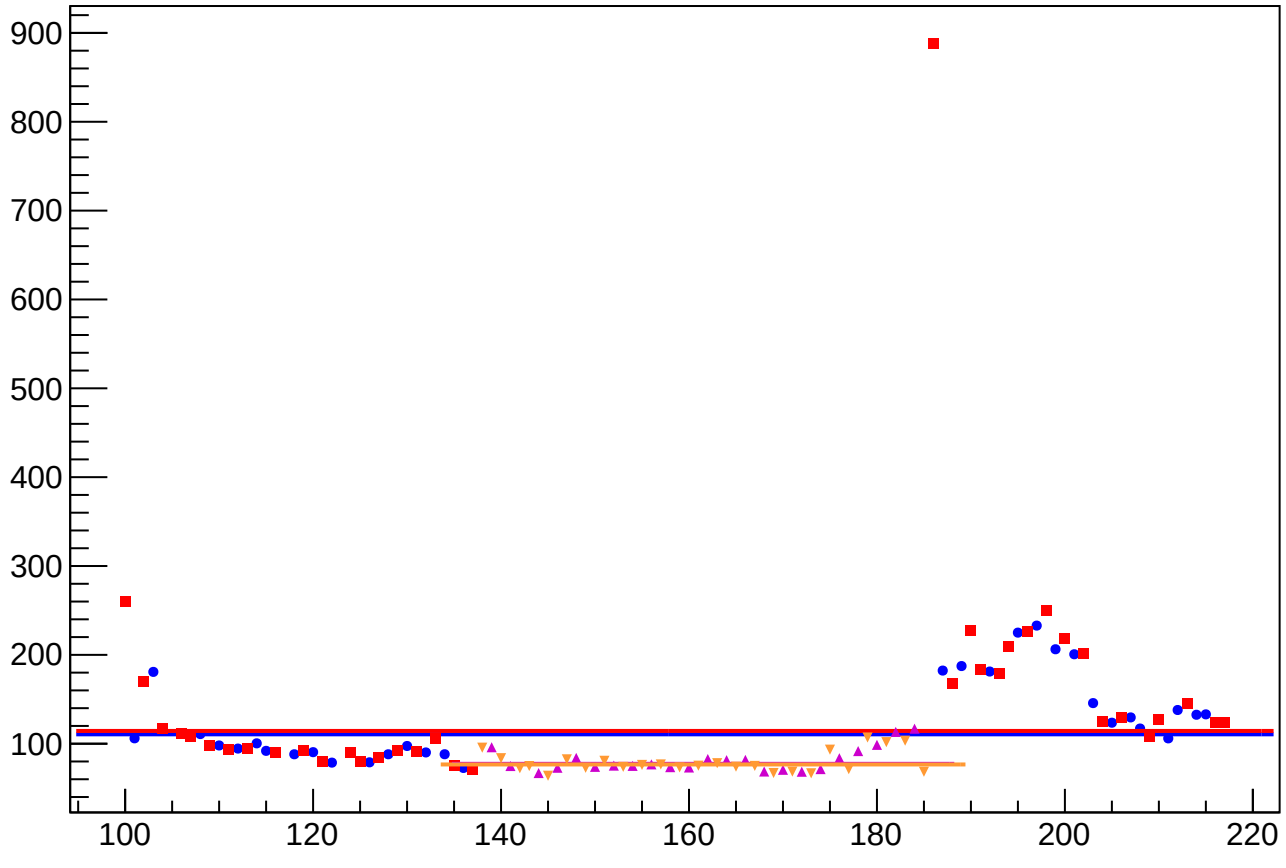
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -15.992+/-19.019 χ^2/NDF: 84.4/66

In: 42.302+/-15.114 χ^2/NDF:58.6/53

Out: 22.234+/-14.790 χ^2/NDF:96.4/60

All: 32.051+/-10.571 χ^2/NDF: 155.9/114



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: 114.372+/-0.019 χ^2/NDF: 4743972.0/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

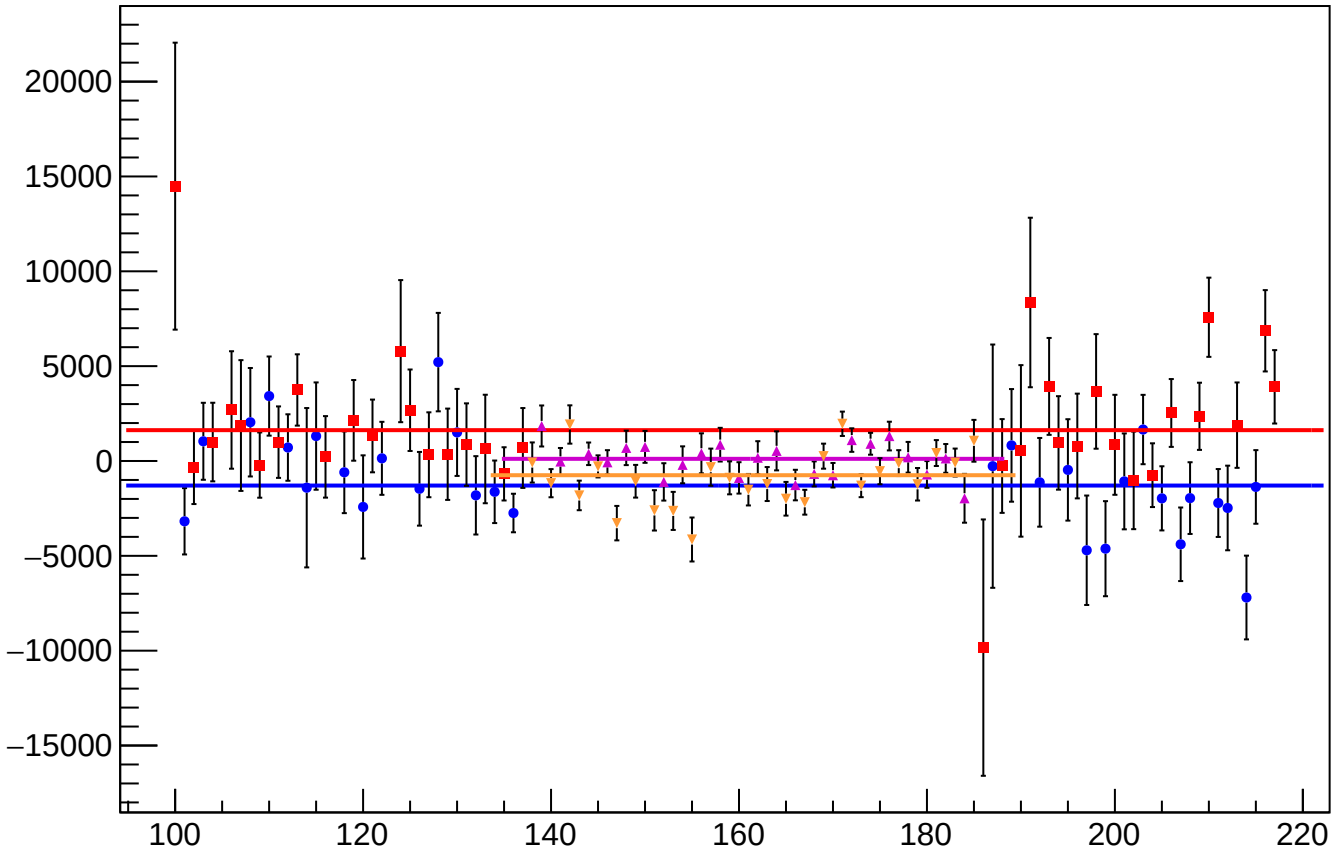
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 112.444+/-0.013 χ^2/NDF: 8463484.4/66

In: 87.948+/-0.011 χ^2/NDF:6388179.9/53

Out: 87.929+/-0.010 χ^2/NDF:8126293.4/60

All: 87.938+/-0.007 χ^2/NDF: 14514474.8/114



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: 1625.410+/-375.716 χ^2/NDF: 38.7/35

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

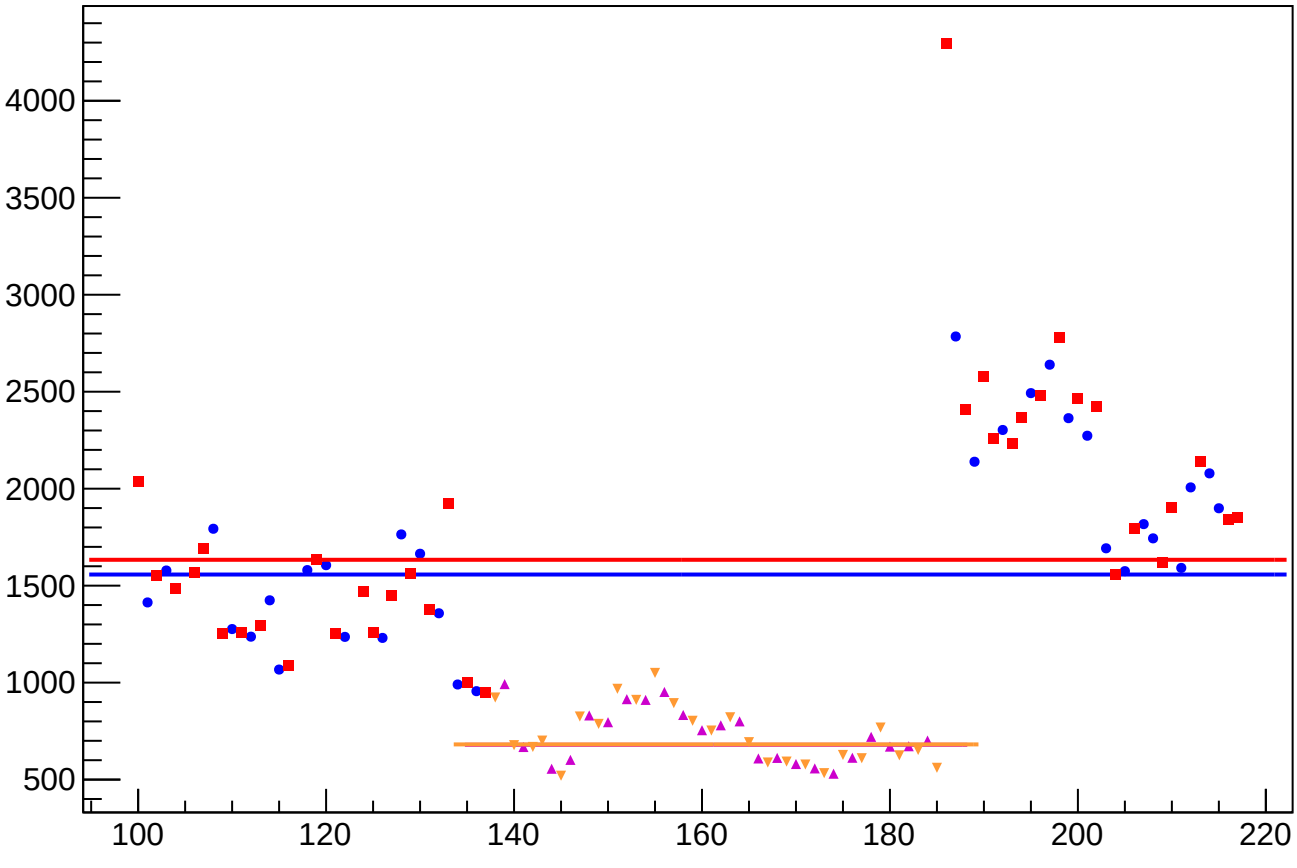
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 143.223+/-263.662 χ^2/NDF: 108.2/66

In: -112.271+/-148.258 χ^2/NDF:76.0/53

Out: -392.422+/-145.709 χ^2/NDF:142.7/60

All: -254.776+/-103.921 χ^2/NDF: 220.5/114



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: 1633.332+/-0.266 χ^2/NDF: 3200327.2/35

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

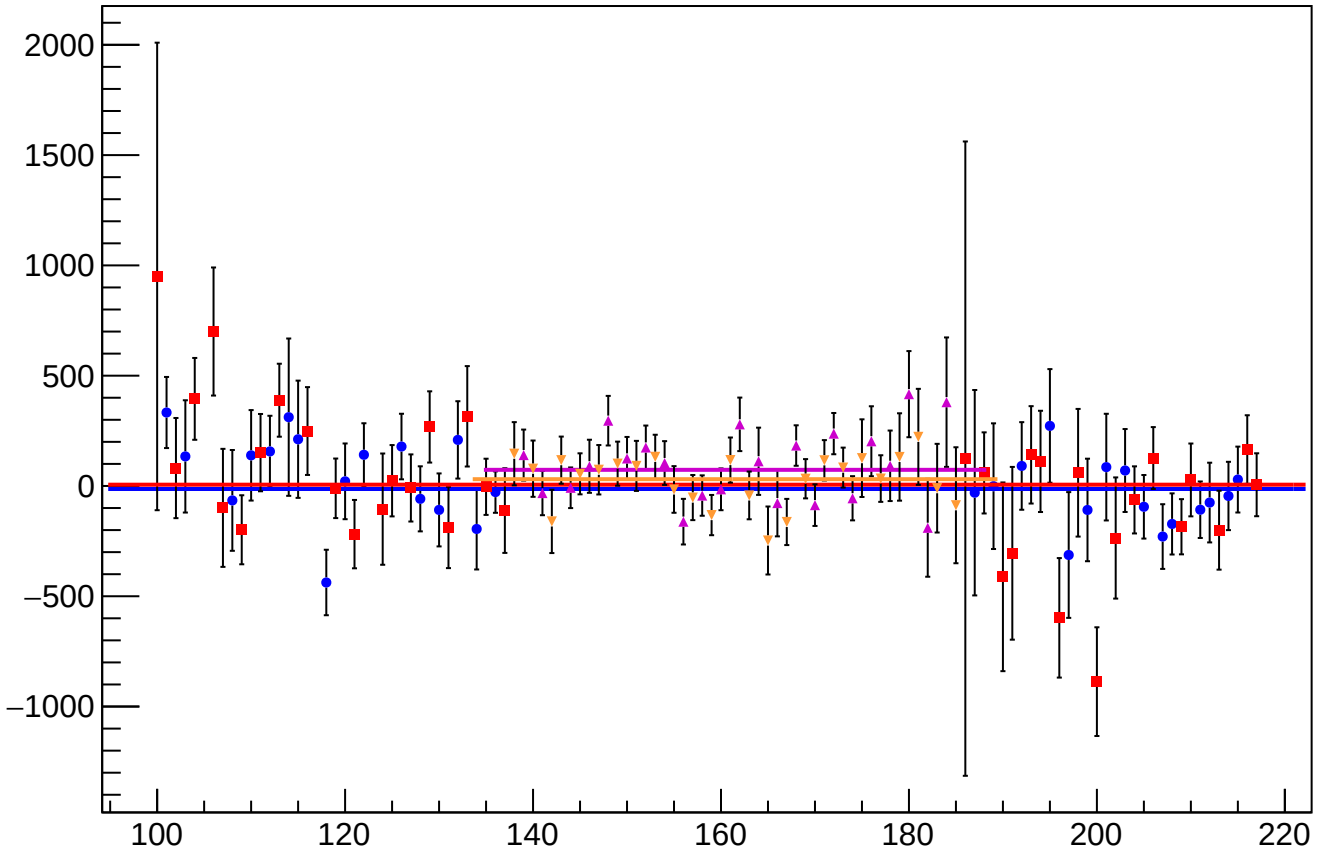
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1594.769+/-0.186 χ^2/NDF: 6090057.7/66

In: 820.301+/-0.105 χ^2/NDF:13481921.8/53

Out: 824.594+/-0.103 χ^2/NDF:15441689.2/60

All: 822.485+/-0.073 χ^2/NDF: 28924464.0/1



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: 5.806+/-31.114 χ^2/NDF: 55.5/35

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

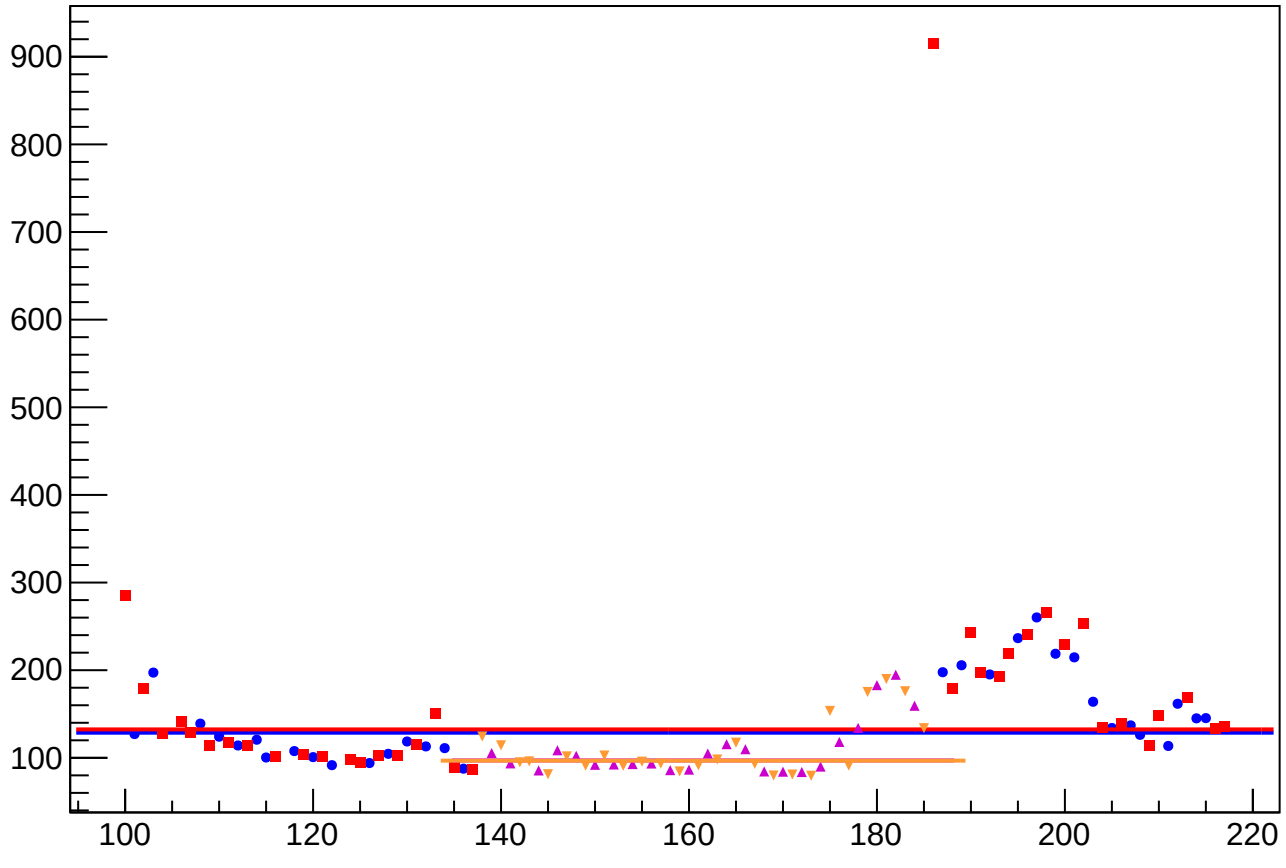
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -4.025+/-21.926 χ^2/NDF: 85.8/66

In: 41.301+/-18.711 χ^2/NDF:69.5/53

Out: 21.964+/-18.420 χ^2/NDF:75.9/60

All: 31.481+/-13.127 χ^2/NDF: 146.0/114



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: 132.446+/-0.022 χ^2/NDF: 4019975.3/35

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

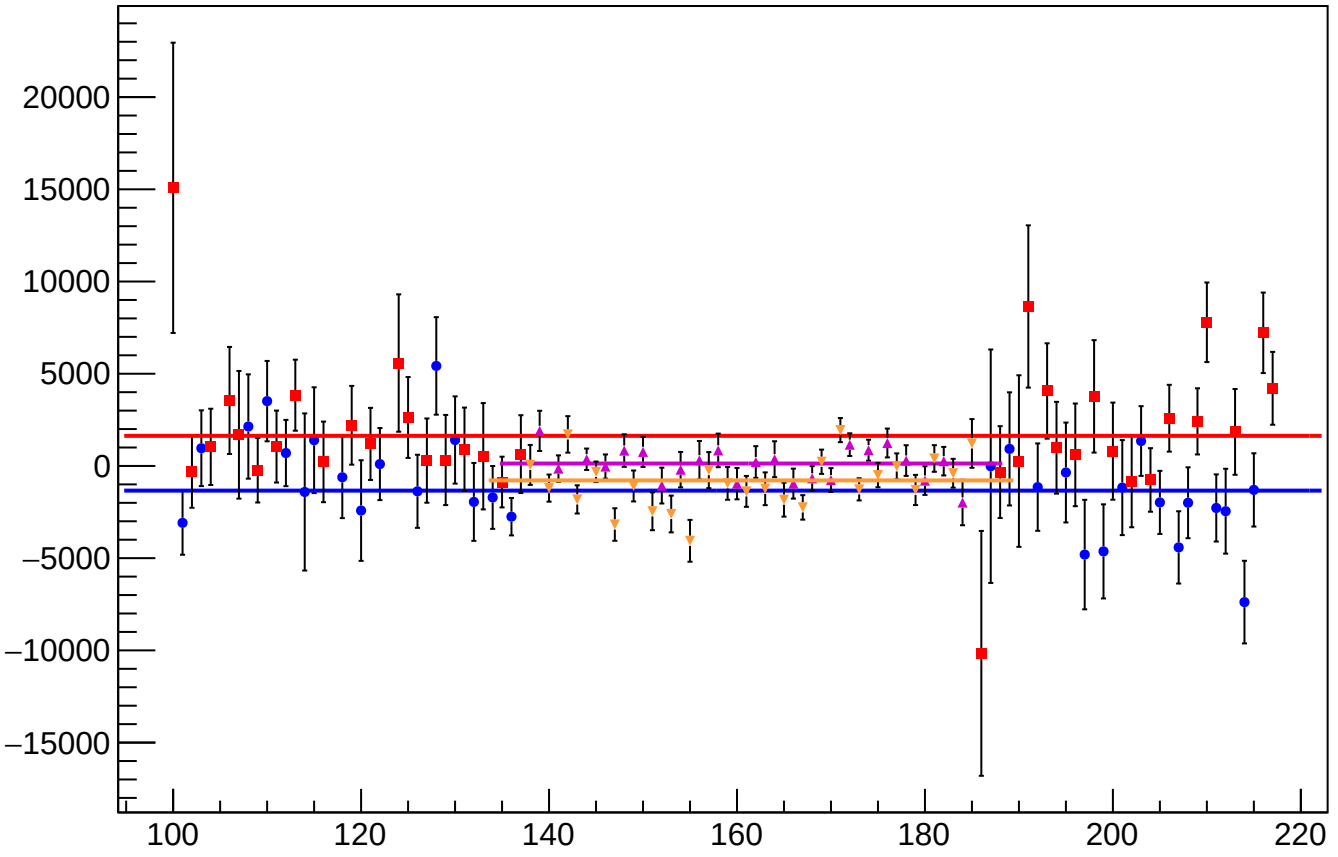
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 130.557+/-0.016 χ^2/NDF: 7003634.2/66

In: 108.630+/-0.013 χ^2/NDF:5621314.9/53

Out: 109.290+/-0.013 χ^2/NDF:7445955.1/60

All: 108.965+/-0.009 χ^2/NDF: 13068535.0/1



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: 1633.107+/-379.824 χ^2/NDF: 41.2/35

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

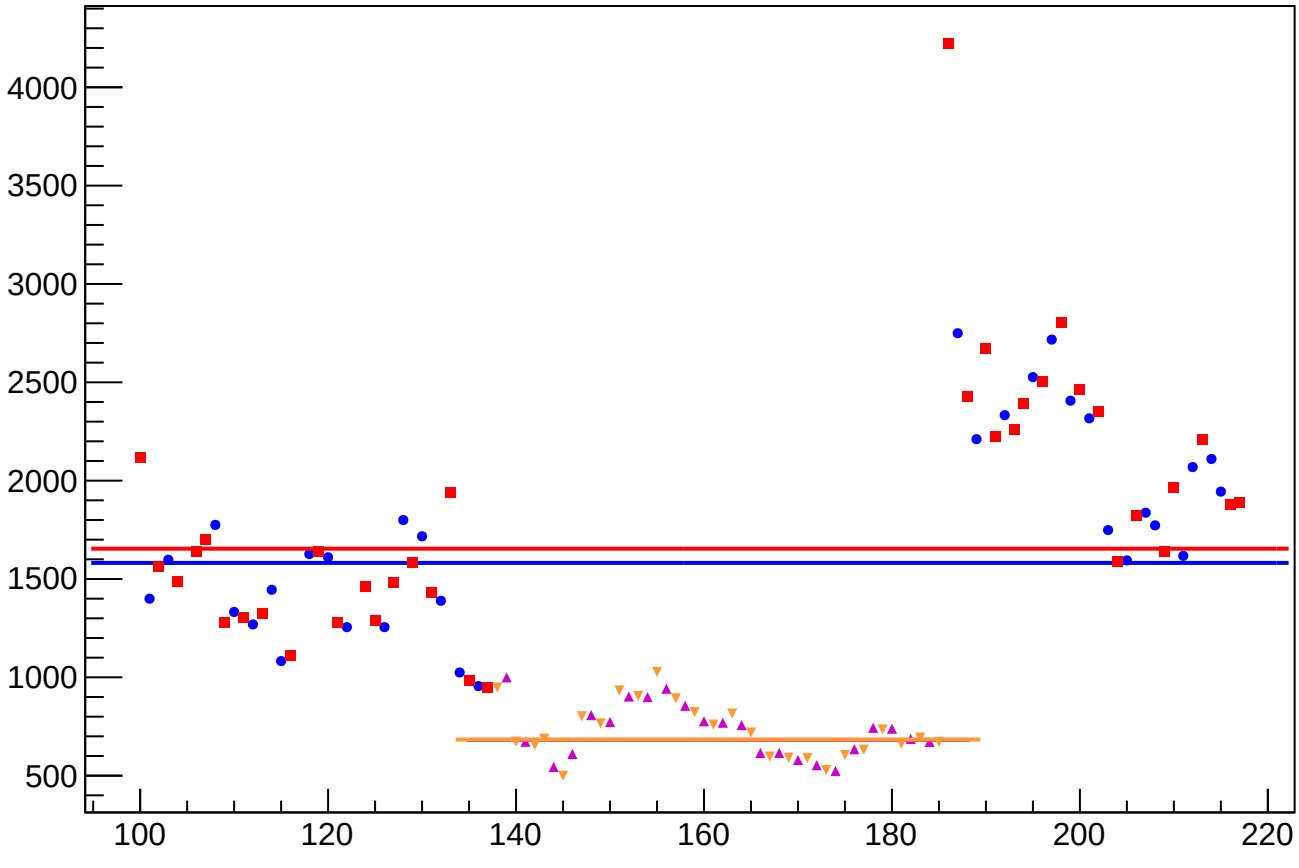
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 132.882+/-267.243 χ^2/NDF: 110.1/66

In: -99.563+/-149.100 χ^2/NDF:75.1/53

Out: -425.967+/-146.140 χ^2/NDF:142.0/60

All: -266.038+/-104.368 χ^2/NDF: 219.6/114



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: 1654.115+/-0.269 χ^2/NDF: 3202403.7/35

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

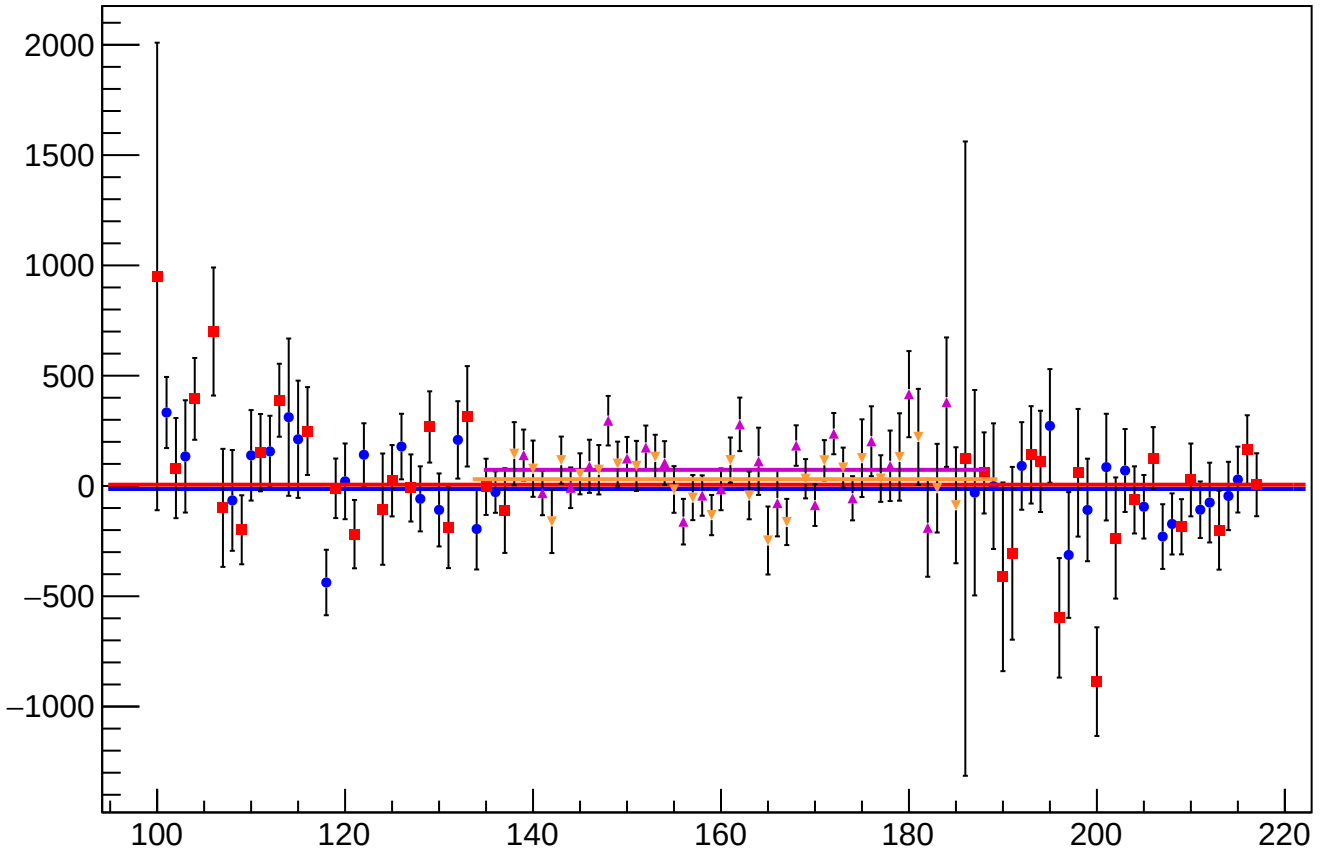
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1617.585+/-0.189 χ^2/NDF: 6142624.5/66

In: 823.393+/-0.105 χ^2/NDF:13739177.4/53

Out: 827.357+/-0.103 χ^2/NDF:15622875.3/60

All: 825.415+/-0.074 χ^2/NDF: 29362773.8/1



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: 5.804+/-31.113 χ^2/NDF: 55.5/35

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

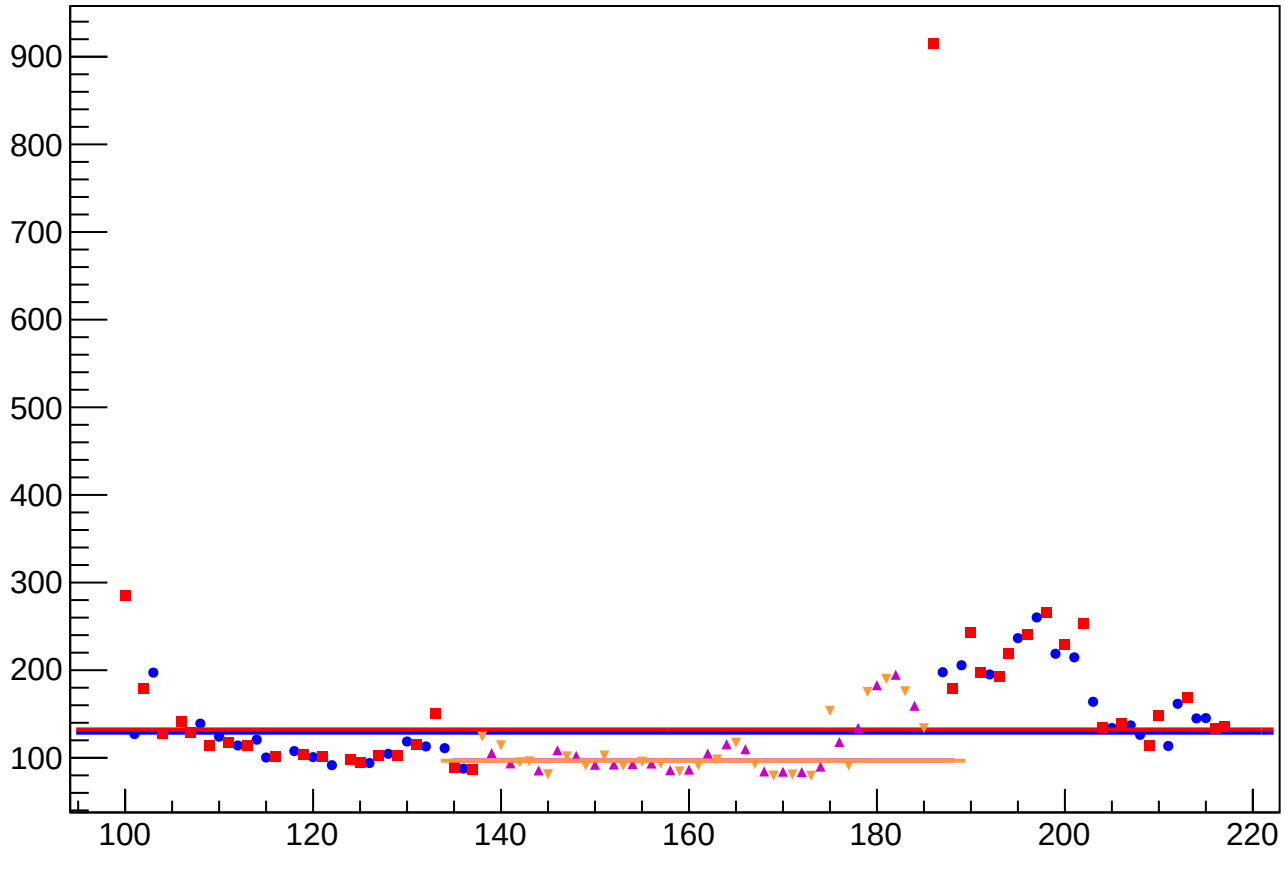
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -4.025+/-21.926 χ^2/NDF: 85.8/66

In: 41.301+/-18.711 χ^2/NDF:69.5/53

Out: 21.964+/-18.420 χ^2/NDF:75.9/60

All: 31.481+/-13.127 χ^2/NDF: 146.0/114



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: 132.445+/-0.022 χ^2/NDF: 4020006.1/35

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

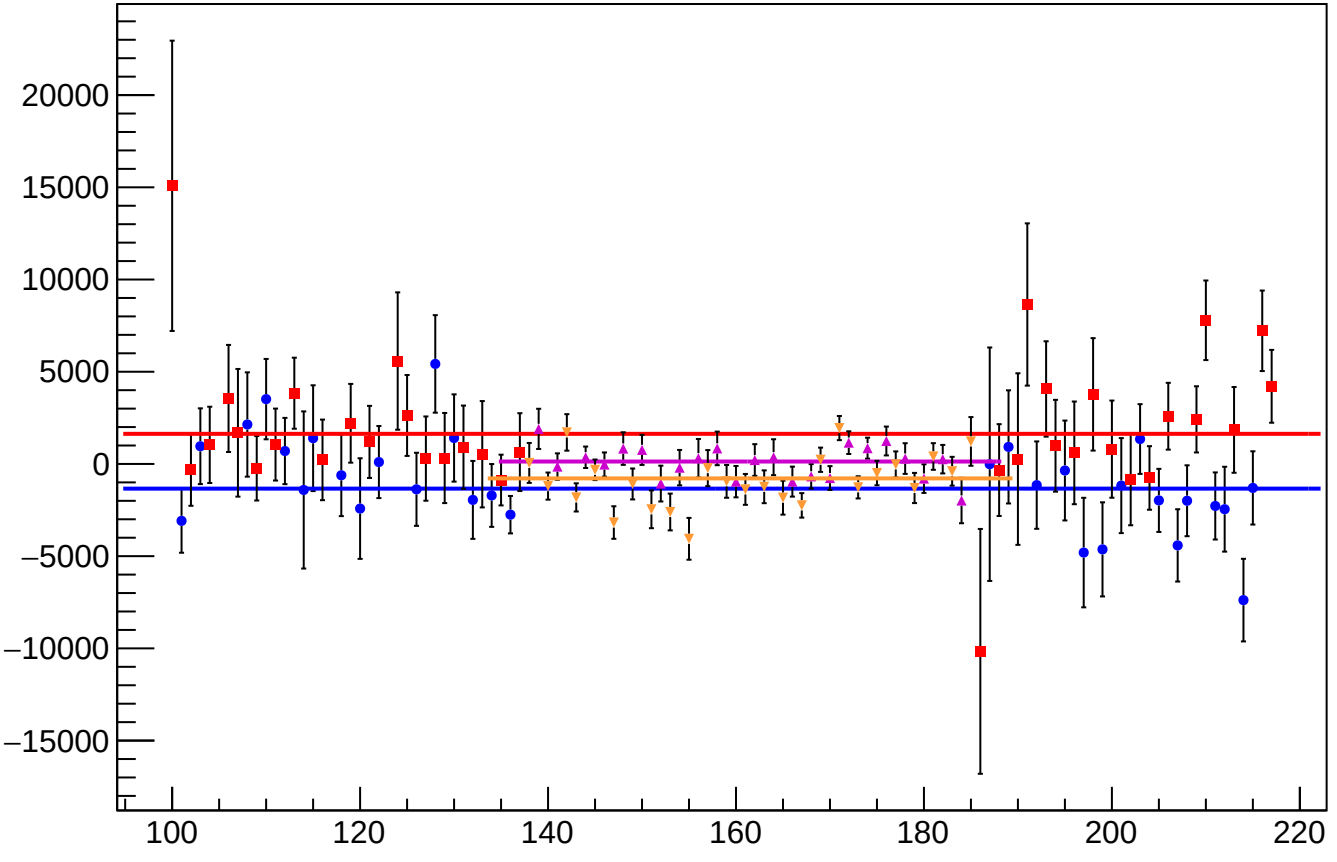
Right: 130.557+/-0.016 χ^2/NDF: 7003684.3/66

In: 108.630+/-0.013 χ^2/NDF:5621243.2/53

Out: 109.290+/-0.013 χ^2/NDF:7445913.3/60

All: 108.965+/-0.009 χ^2/NDF: 13068421.7/1

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 1633.103+/-379.823 χ^2/NDF: 41.2/35

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

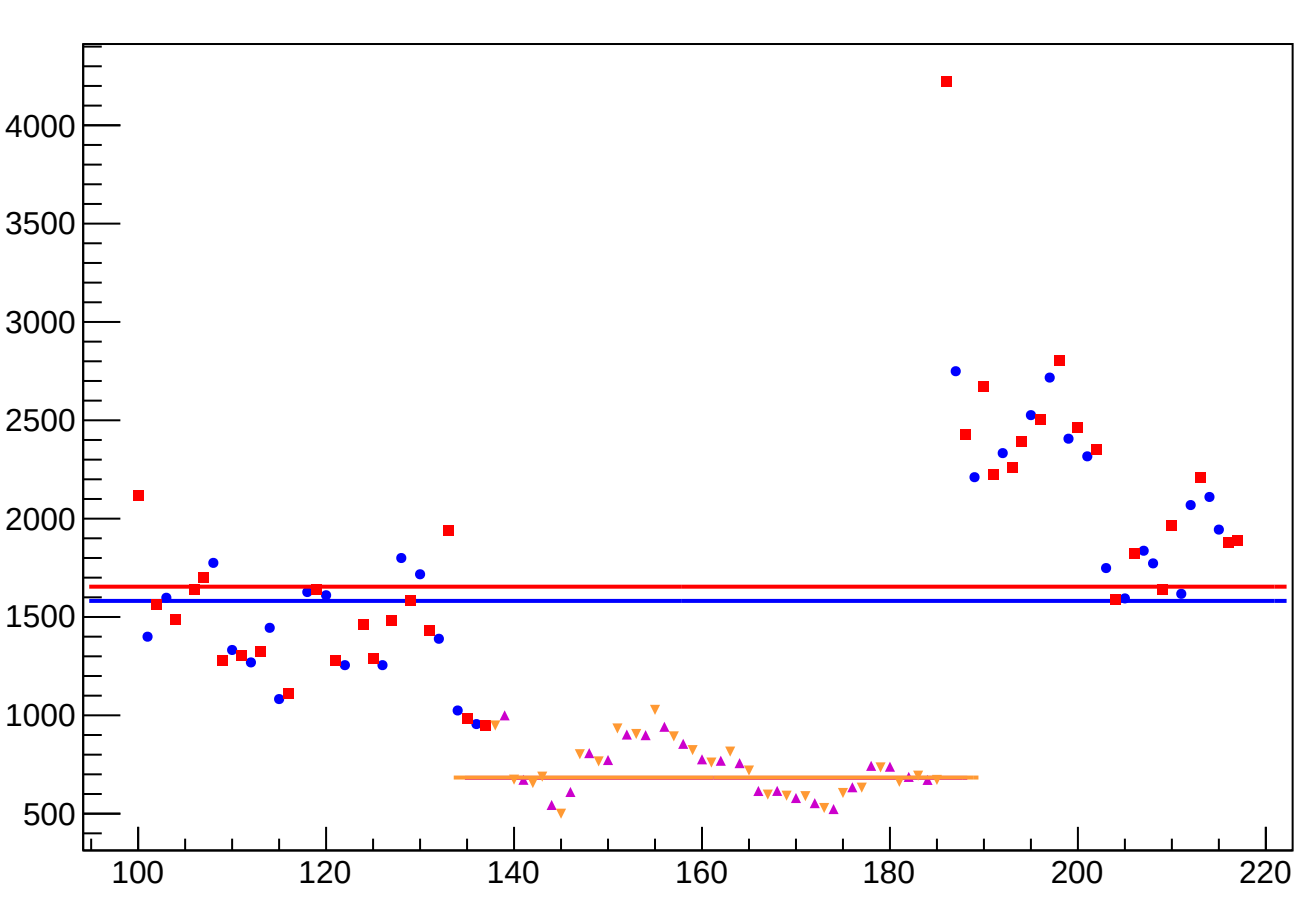
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: 132.883+/-267.243 χ^2/NDF: 110.1/66

In: -99.563+/-149.100 χ^2/NDF:75.1/53

Out: -425.967+/-146.140 χ^2/NDF:142.0/60

All: -266.037+/-104.367 χ^2/NDF: 219.6/114



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: 1654.112+/-0.269 χ^2/NDF: 3202416.7/35

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

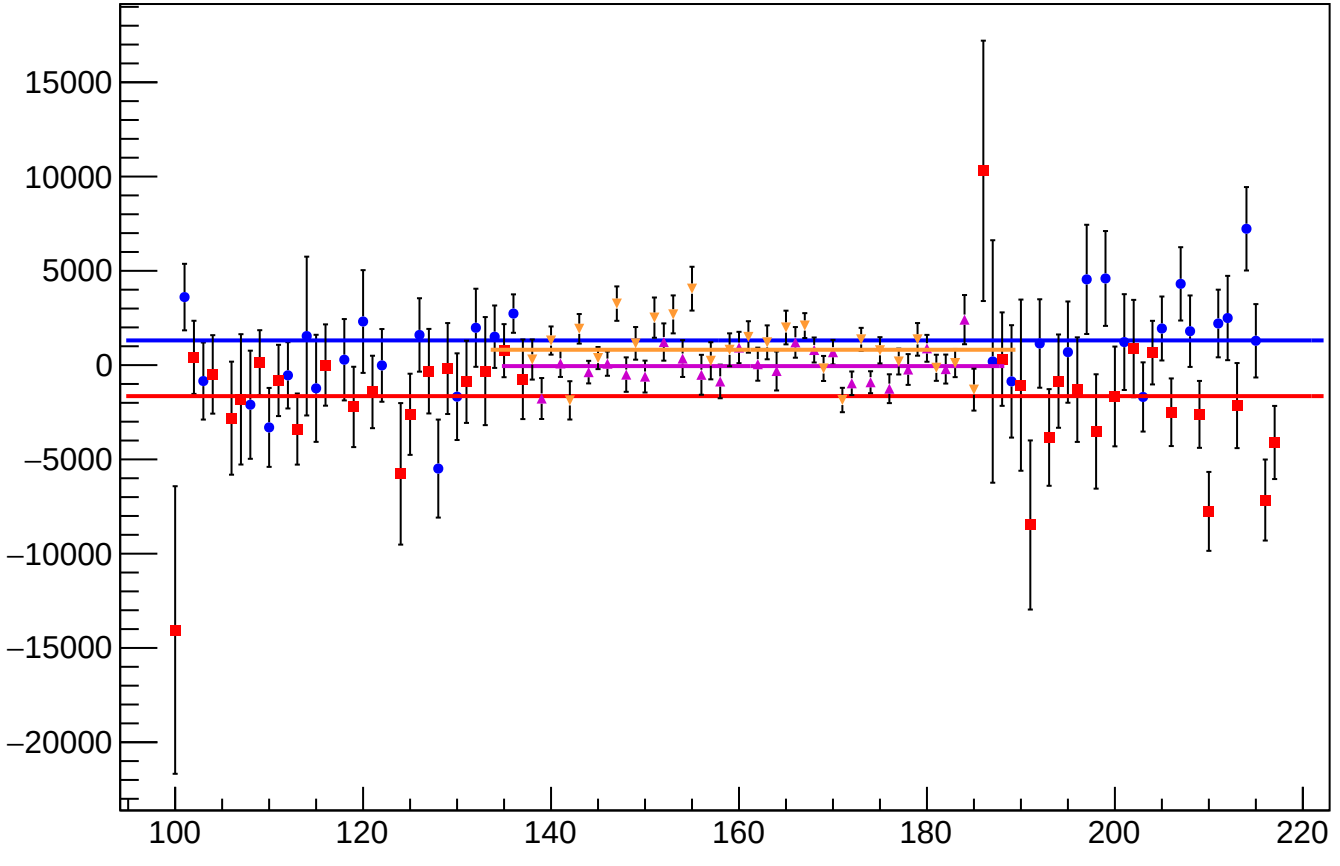
Right: 1617.582+/-0.189 χ^2/NDF: 6142646.9/66

In: 823.391+/-0.105 χ^2/NDF:13739195.4/53

Out: 827.355+/-0.103 χ^2/NDF:15622902.0/60

All: 825.413+/-0.074 χ^2/NDF: 29362818.5/11

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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: -1644.681+/-376.681 χ^2/NDF: 39.9/35

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

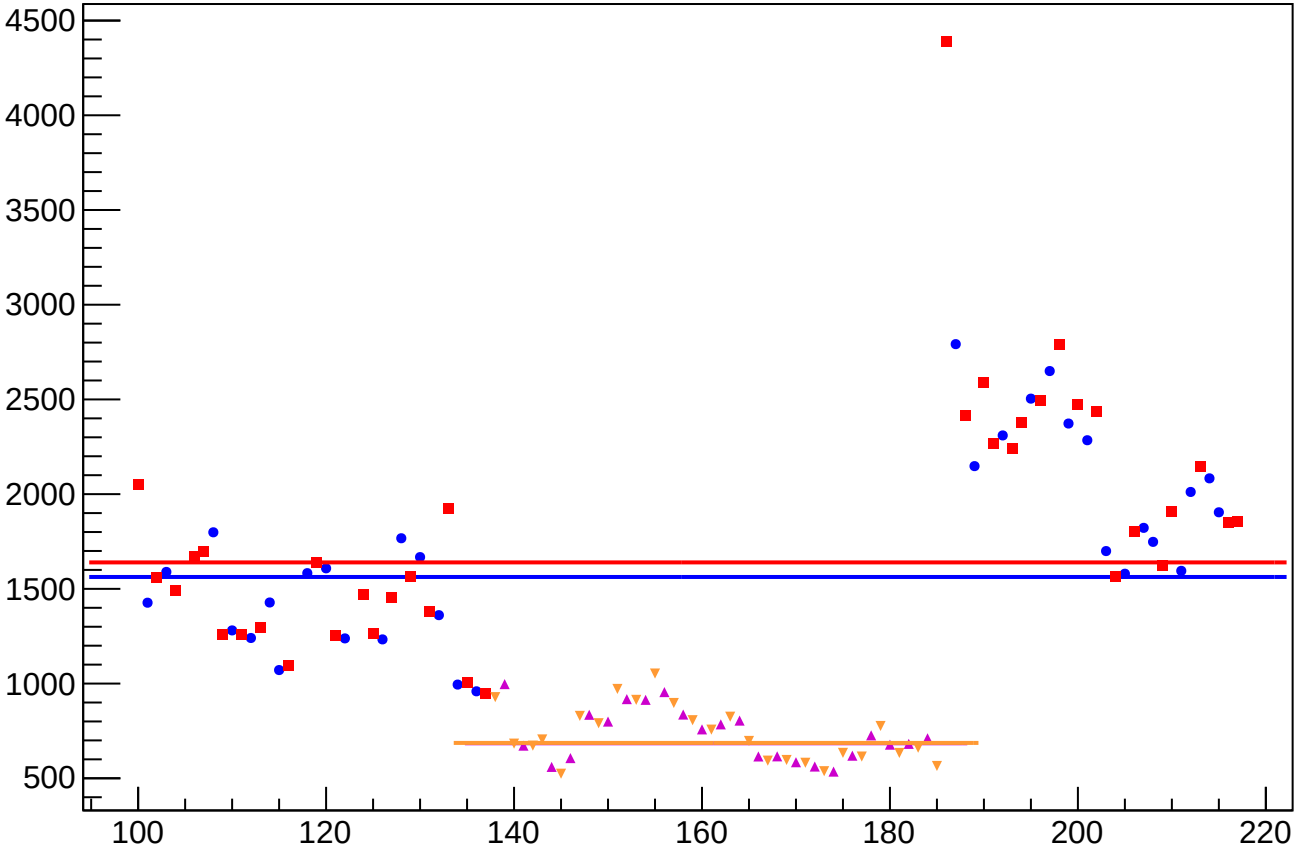
Right: -146.414+/-264.454 χ^2/NDF: 110.0/66

In: 167.823+/-149.283 χ^2/NDF:75.6/53

Out: 441.215+/-146.685 χ^2/NDF:141.8/60

All: 306.919+/-104.628 χ^2/NDF: 219.1/114

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: 1639.624+/-0.266 χ^2/NDF: 3210706.7/35

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

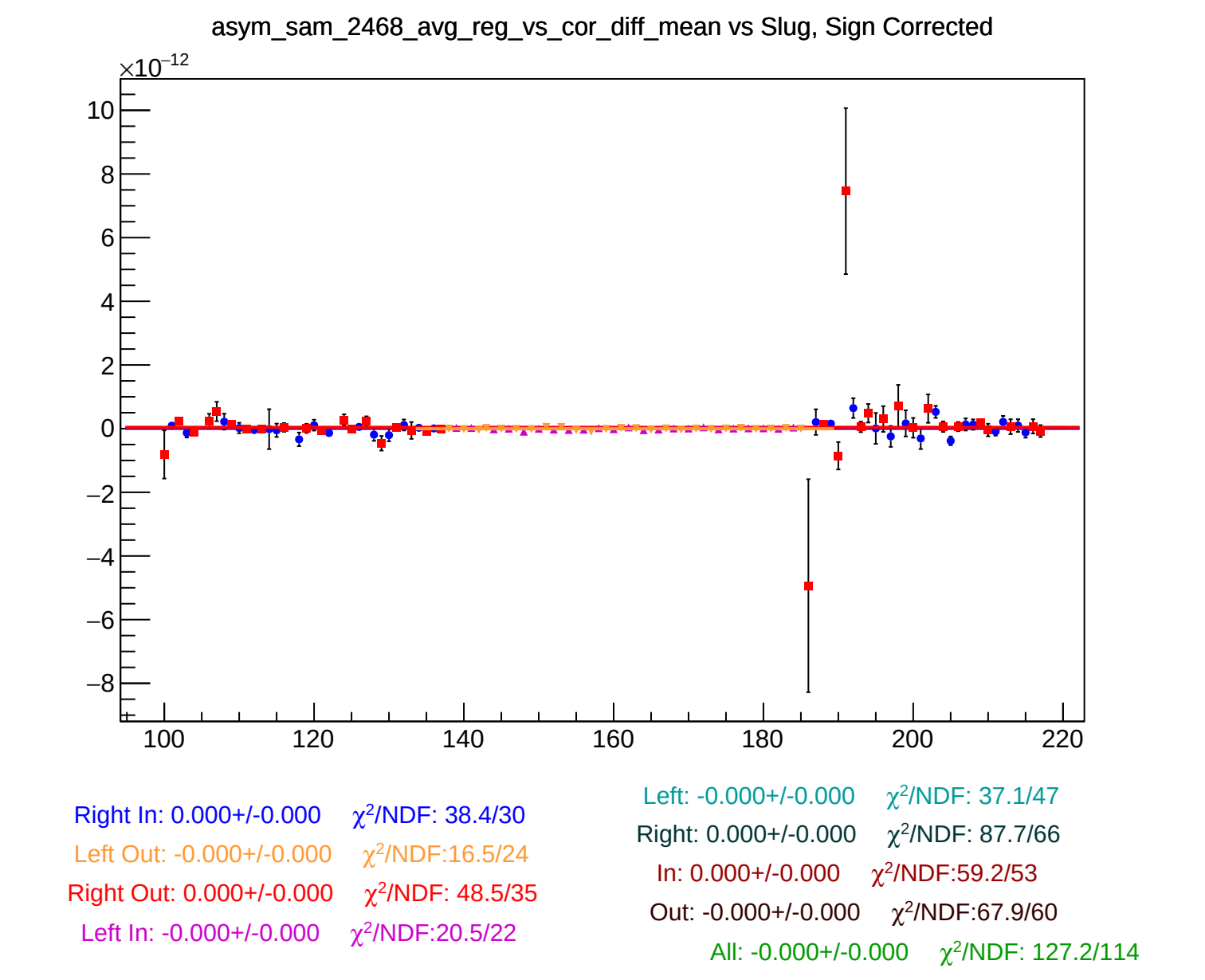
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

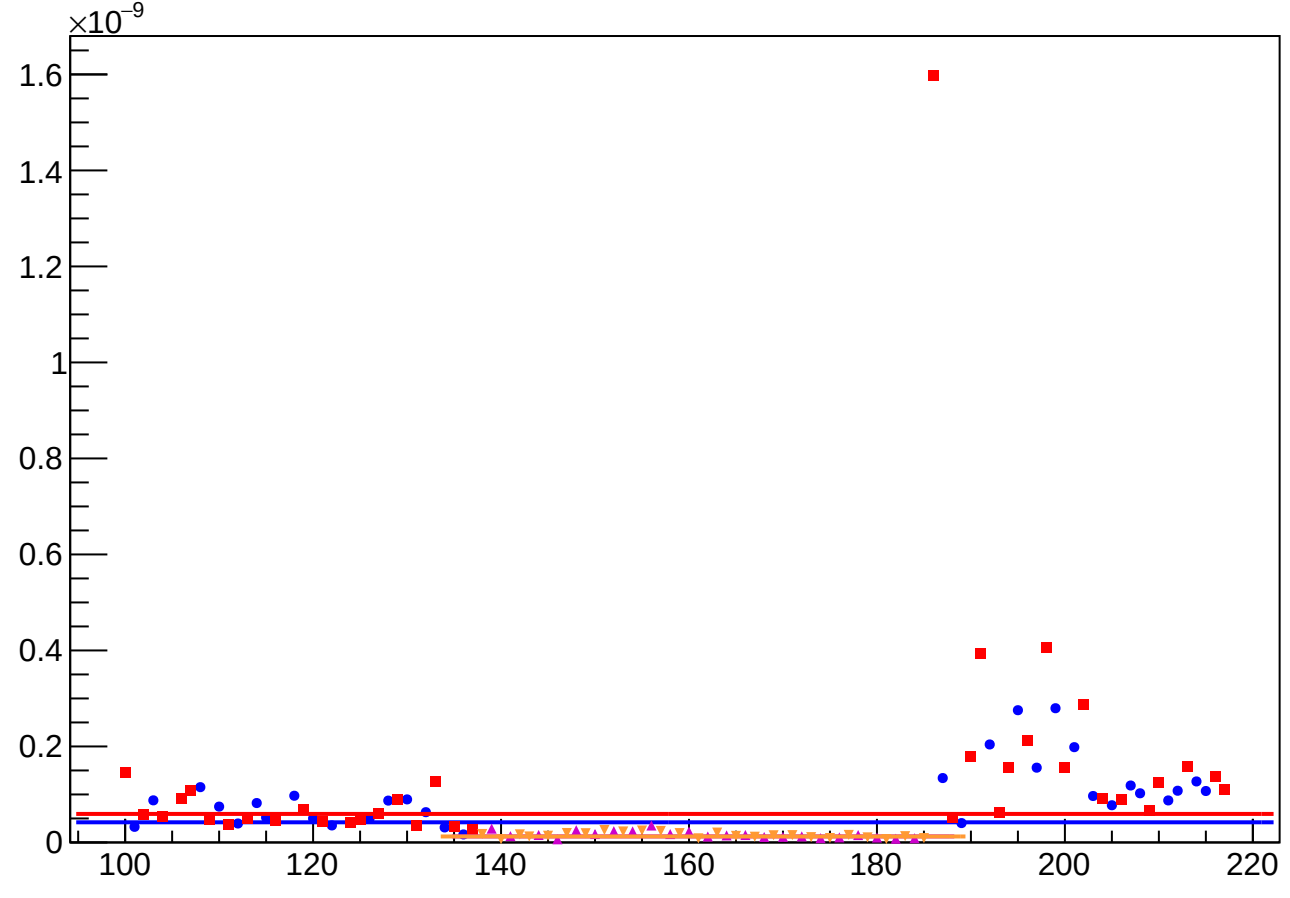
Right: 1600.633+/-0.187 χ^2/NDF: 6100110.0/66

In: 826.637+/-0.106 χ^2/NDF:13384645.8/53

Out: 831.204+/-0.104 χ^2/NDF:15381636.5/60

All: 828.961+/-0.074 χ^2/NDF: 28767234.8/1


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: 48.5/35
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: 87.7/66
In: 0.000+/-0.000 χ²/NDF:59.2/53
Out: -0.000+/-0.000 χ²/NDF:67.9/60
All: -0.000+/-0.000 χ²/NDF: 127.2/114



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: 4607272.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

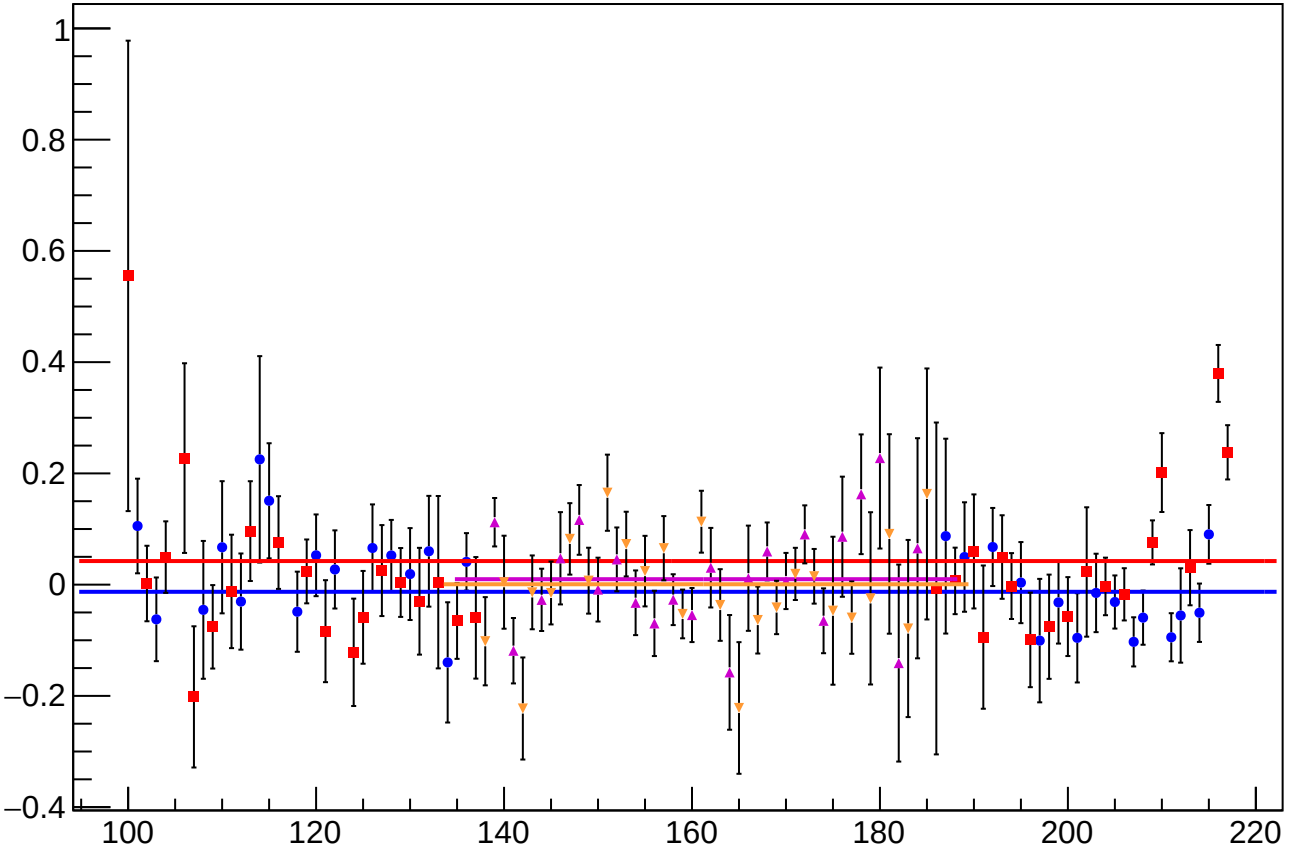
Right: 0.000+/-0.000 χ^2/NDF: 12208855.3/66

In: 0.000+/-0.000 χ^2/NDF:13041947.1/53

Out: 0.000+/-0.000 χ^2/NDF:13416476.4/60

All: 0.000+/-0.000 χ^2/NDF: 26459226.0/114

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: 0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

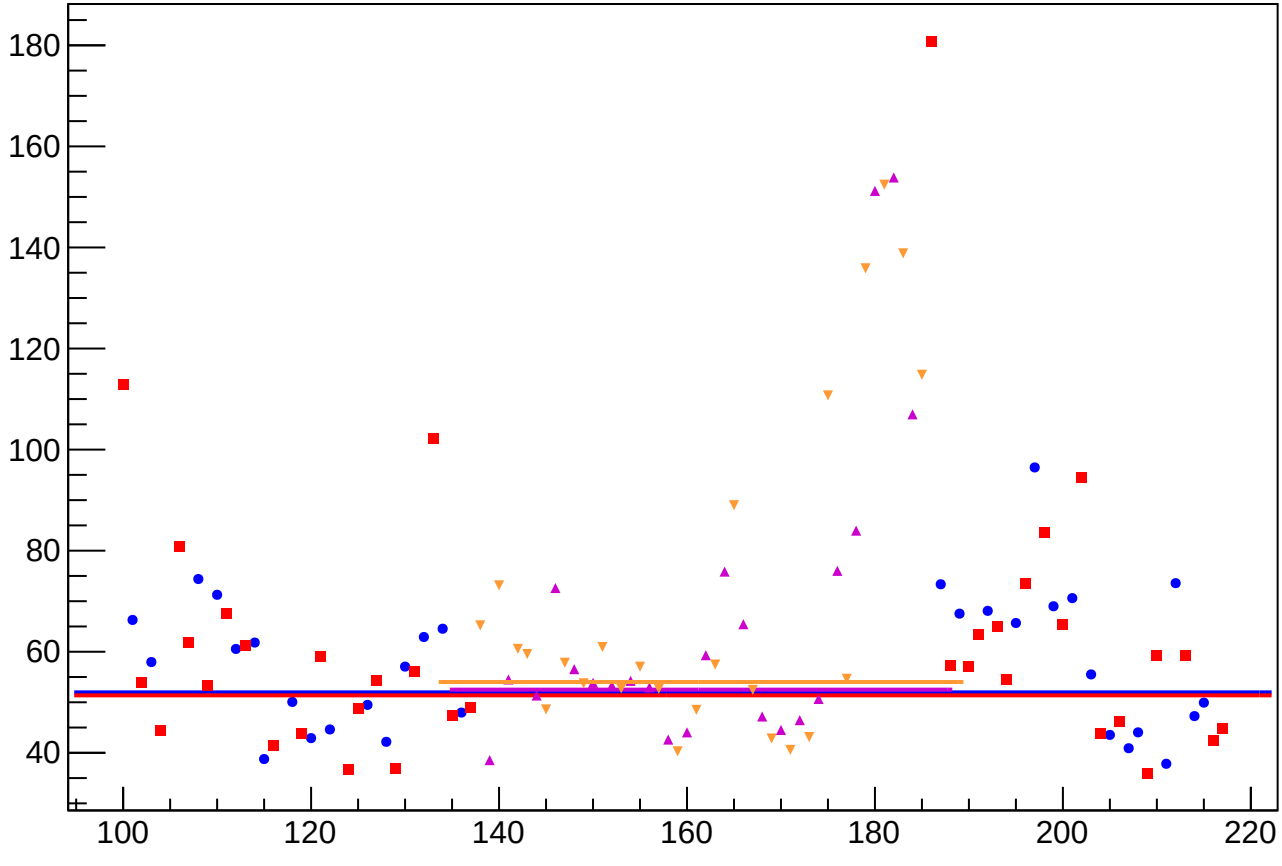
Right: 0.016+/-0.009 χ^2/NDF: 137.9/66

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.023+/-0.009 χ^2/NDF:134.1/60

All: 0.011+/-0.006 χ^2/NDF: 202.4/114

asym_sam_2468_avg_dit_vs_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: 51.370+/-0.009 χ^2/NDF: 2419962.7/35

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

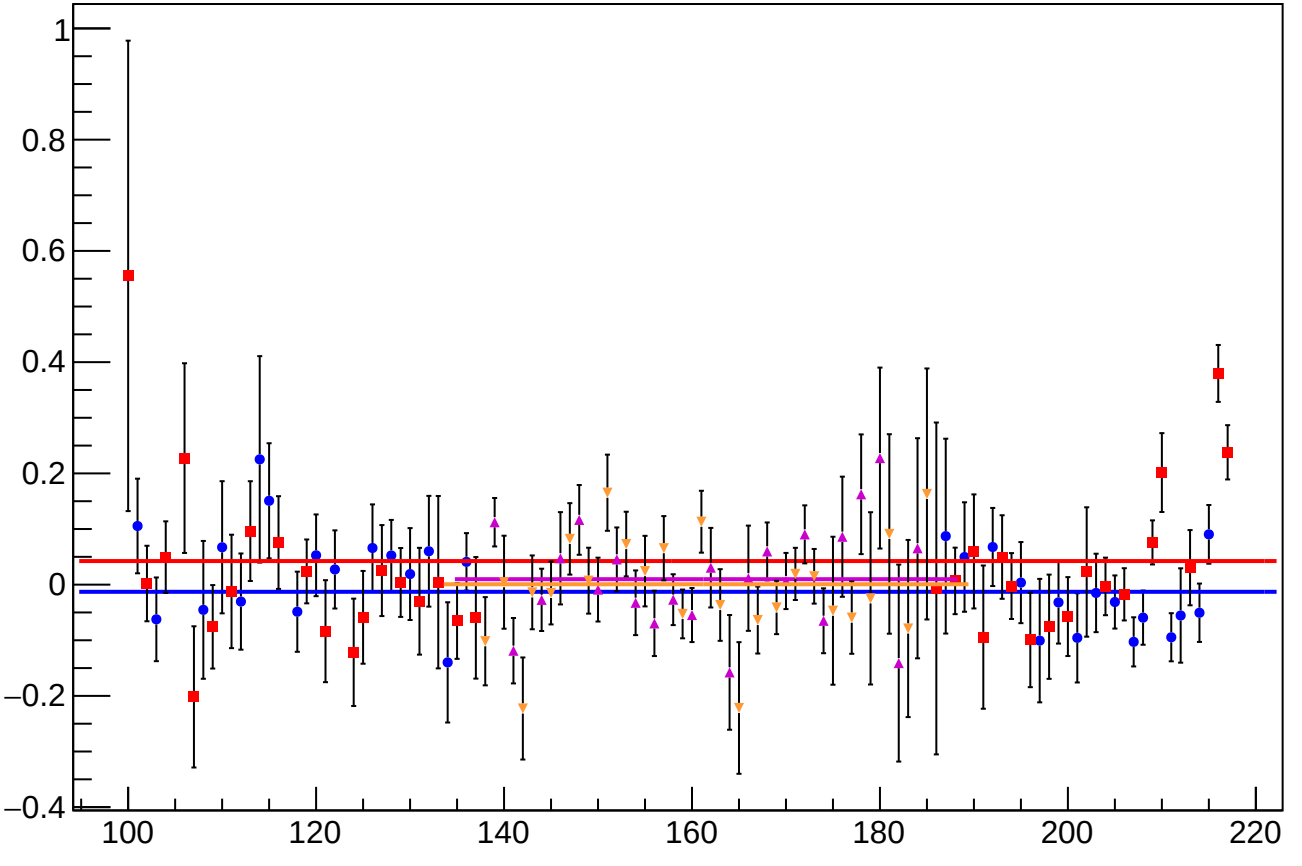
Right: 51.656+/-0.006 χ^2/NDF: 4240943.6/66

In: 52.218+/-0.006 χ^2/NDF:4378226.3/53

Out: 52.581+/-0.006 χ^2/NDF:5690754.8/60

All: 52.403+/-0.005 χ^2/NDF: 10070595.5/114

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: 0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

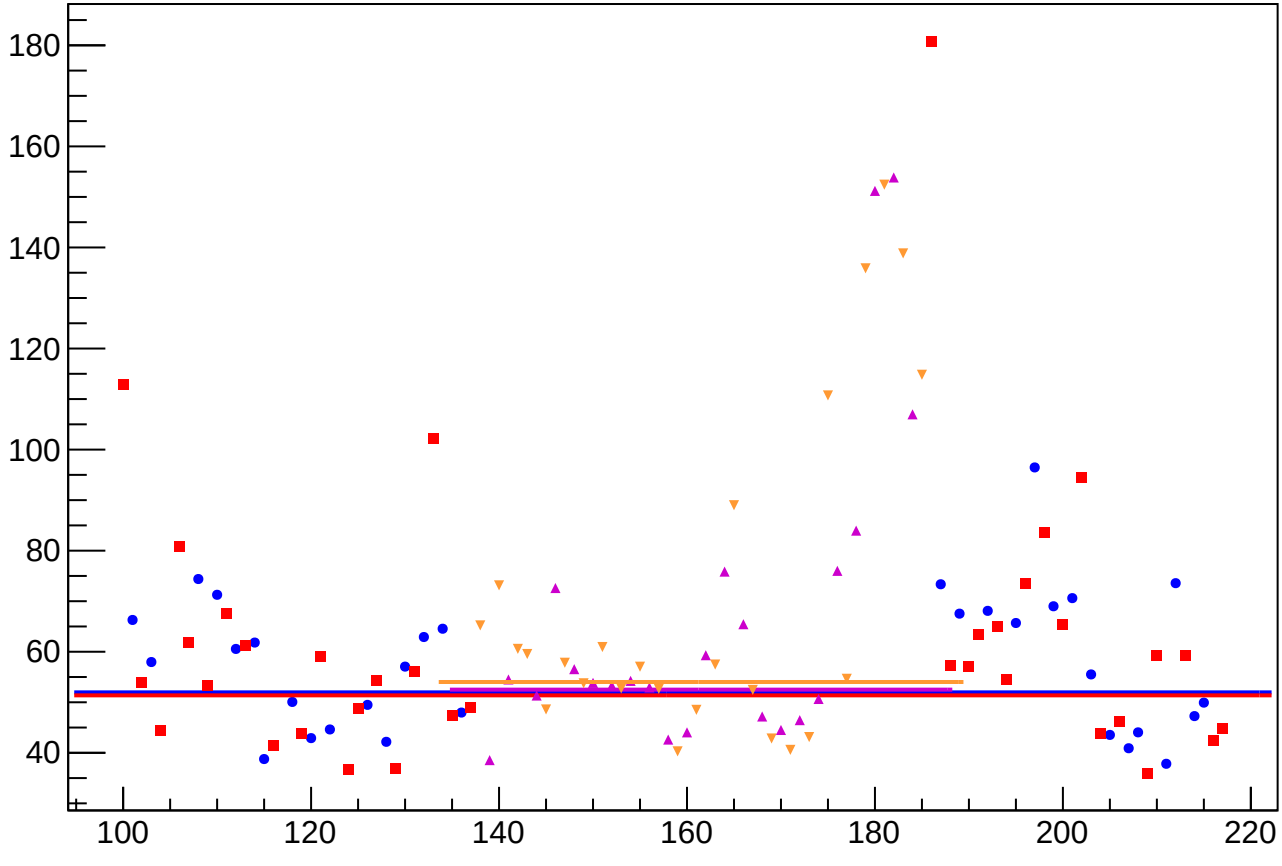
Right: 0.016+/-0.009 χ^2/NDF: 137.9/66

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.023+/-0.009 χ^2/NDF:134.1/60

All: 0.011+/-0.006 χ^2/NDF: 202.4/114

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: 51.370+/-0.009 χ^2/NDF: 2419962.7/35

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

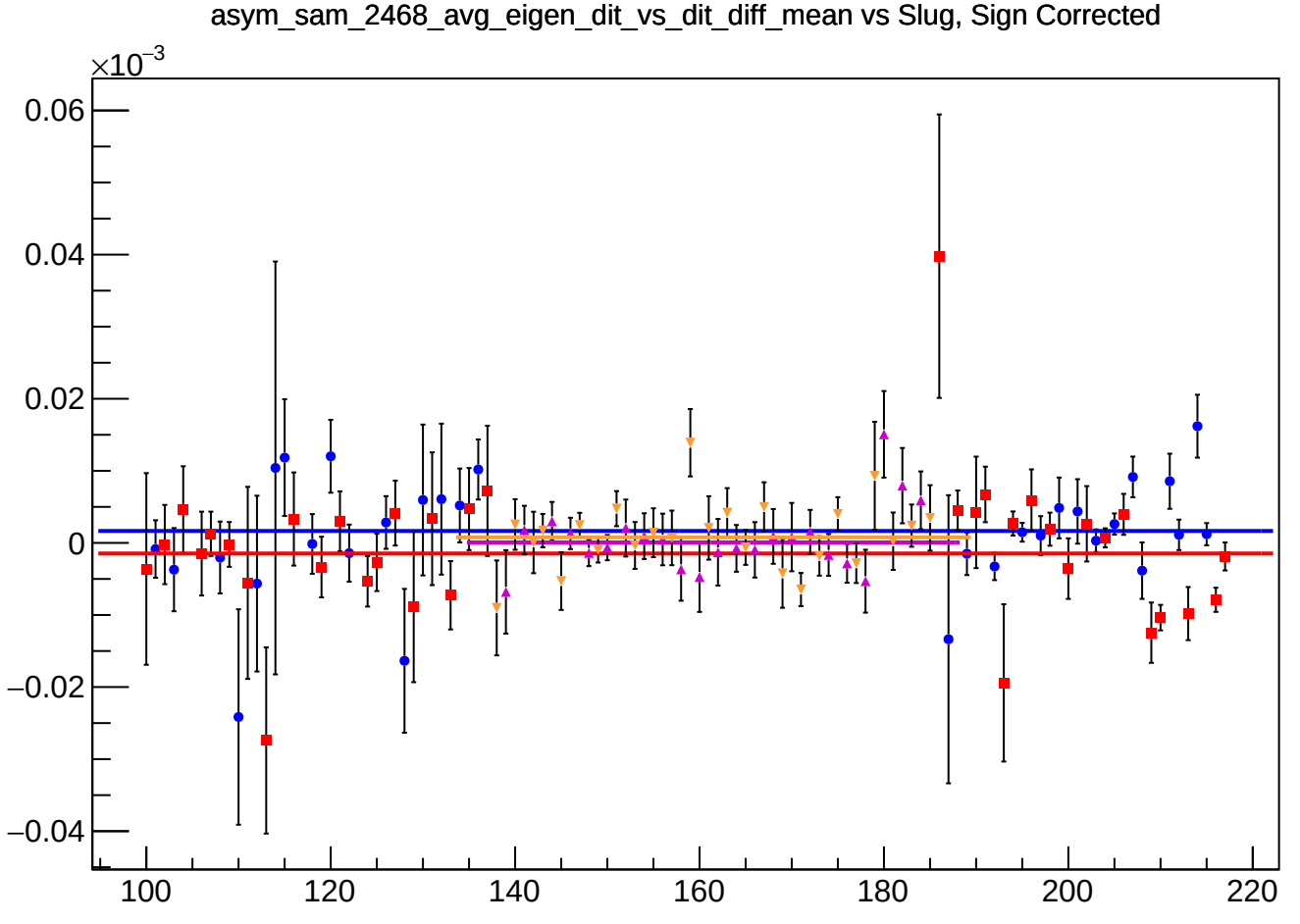
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 51.656+/-0.006 χ^2/NDF: 4240943.6/66

In: 52.218+/-0.006 χ^2/NDF:4378226.3/53

Out: 52.581+/-0.006 χ^2/NDF:5690754.8/60

All: 52.403+/-0.005 χ^2/NDF: 10070595.5/114



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: 102.9/35

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

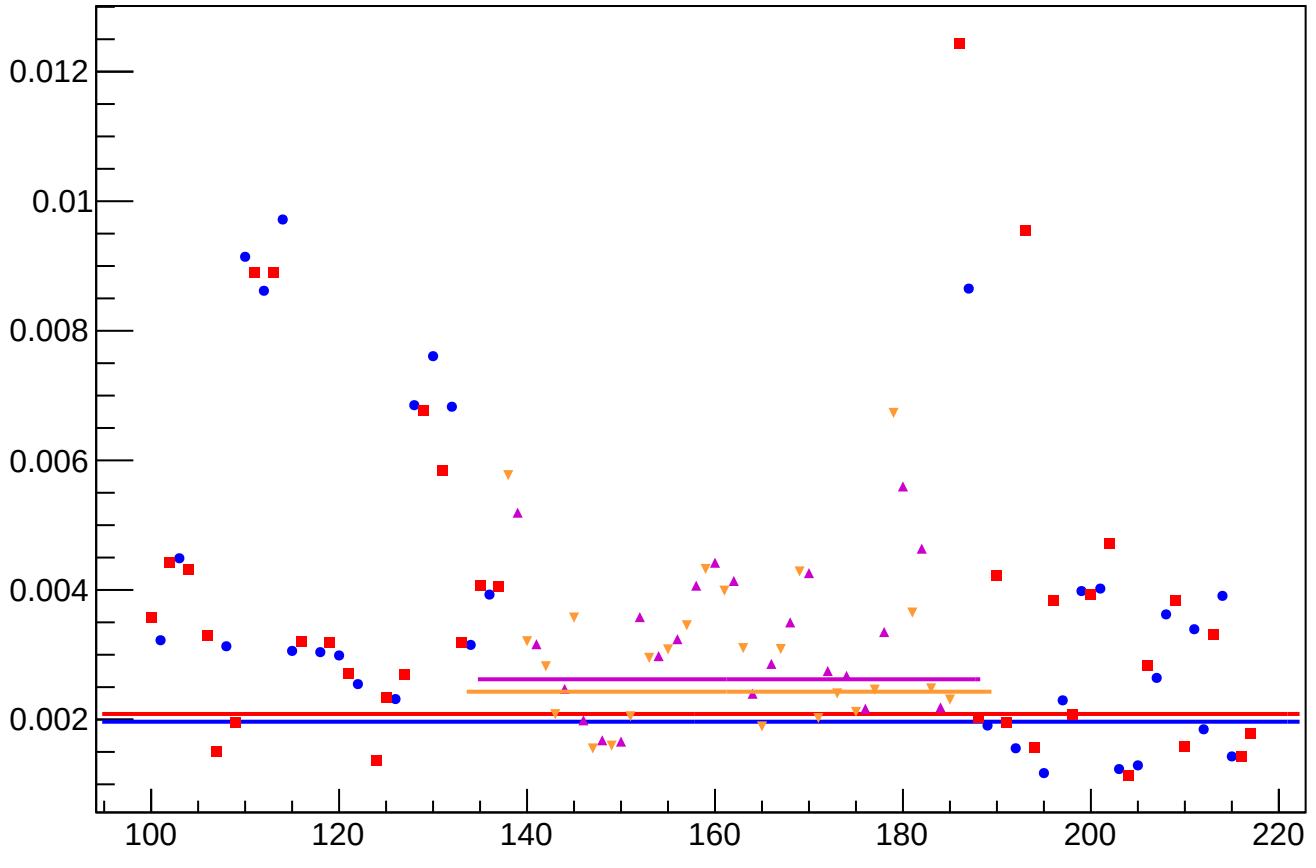
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 174.5/66

In: 0.000+/-0.000 χ^2/NDF:78.1/53

Out: -0.000+/-0.000 χ^2/NDF:148.9/60

All: 0.000+/-0.000 χ^2/NDF: 233.7/114



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: 8791166.1/35

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

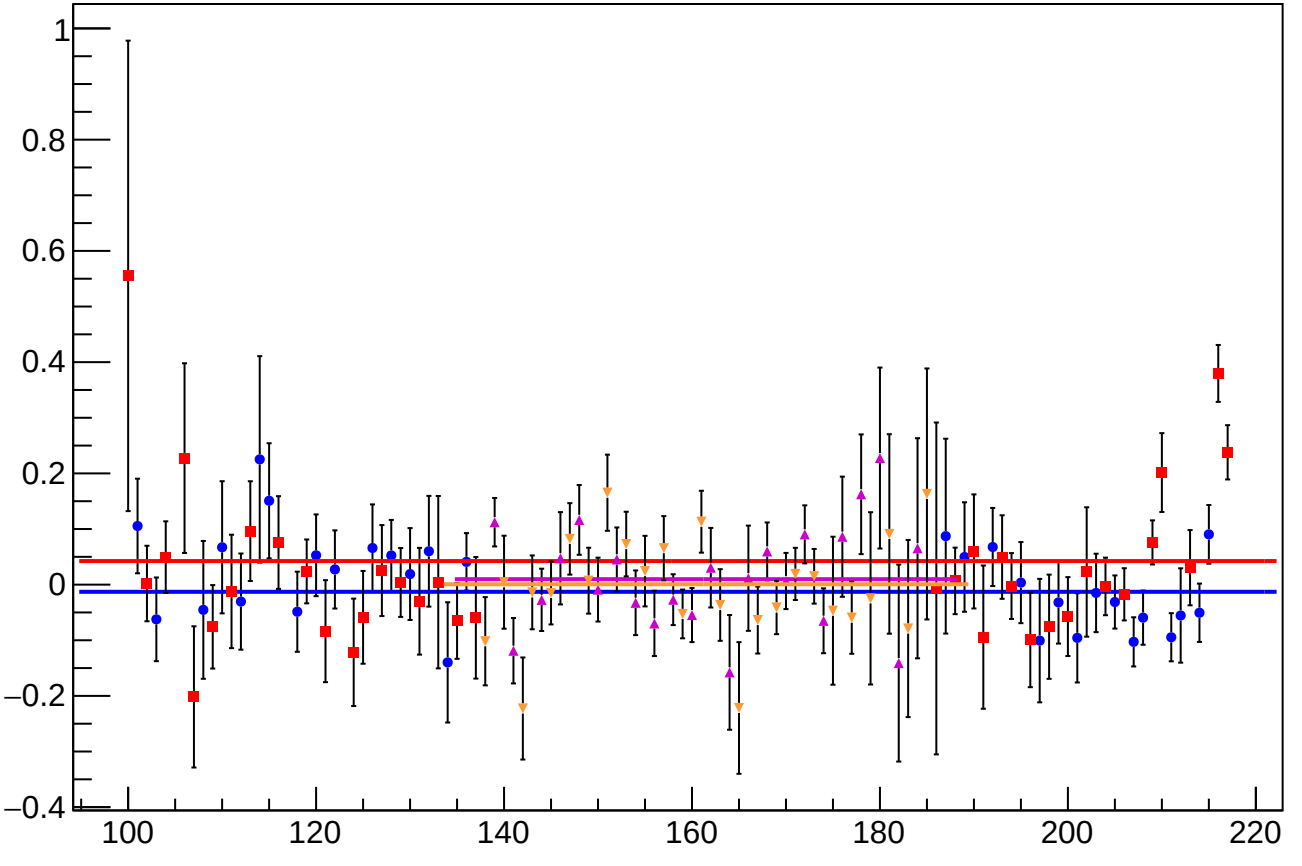
Right: 0.002+/-0.000 χ^2/NDF: 17302523.4/66

In: 0.002+/-0.000 χ^2/NDF:13613745.1/53

Out: 0.002+/-0.000 χ^2/NDF:13379910.9/60

All: 0.002+/-0.000 χ^2/NDF: 26996001.5/114

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: 0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

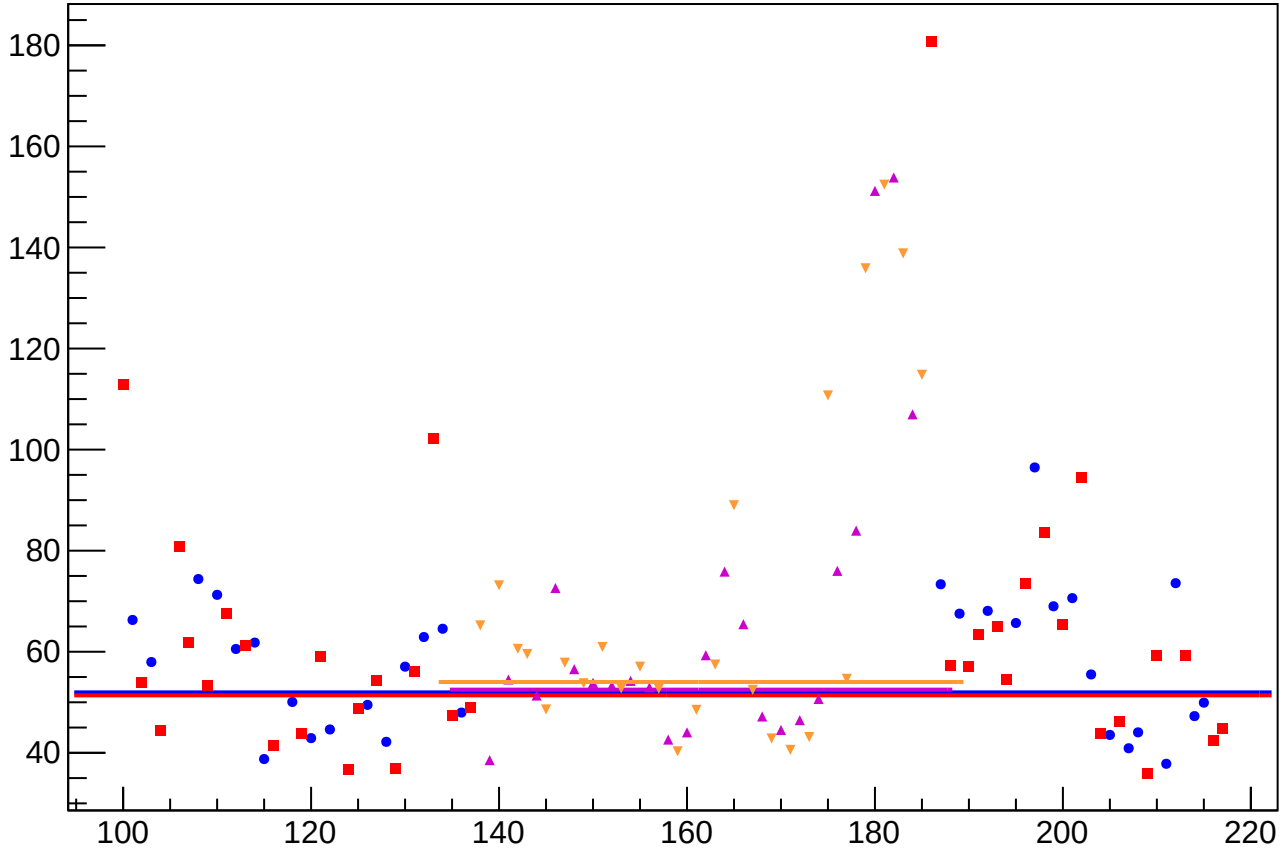
Right: 0.016+/-0.009 χ^2/NDF: 137.9/66

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.023+/-0.009 χ^2/NDF:134.1/60

All: 0.011+/-0.006 χ^2/NDF: 202.4/114

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: 51.370+/-0.009 χ^2/NDF: 2419891.9/35

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

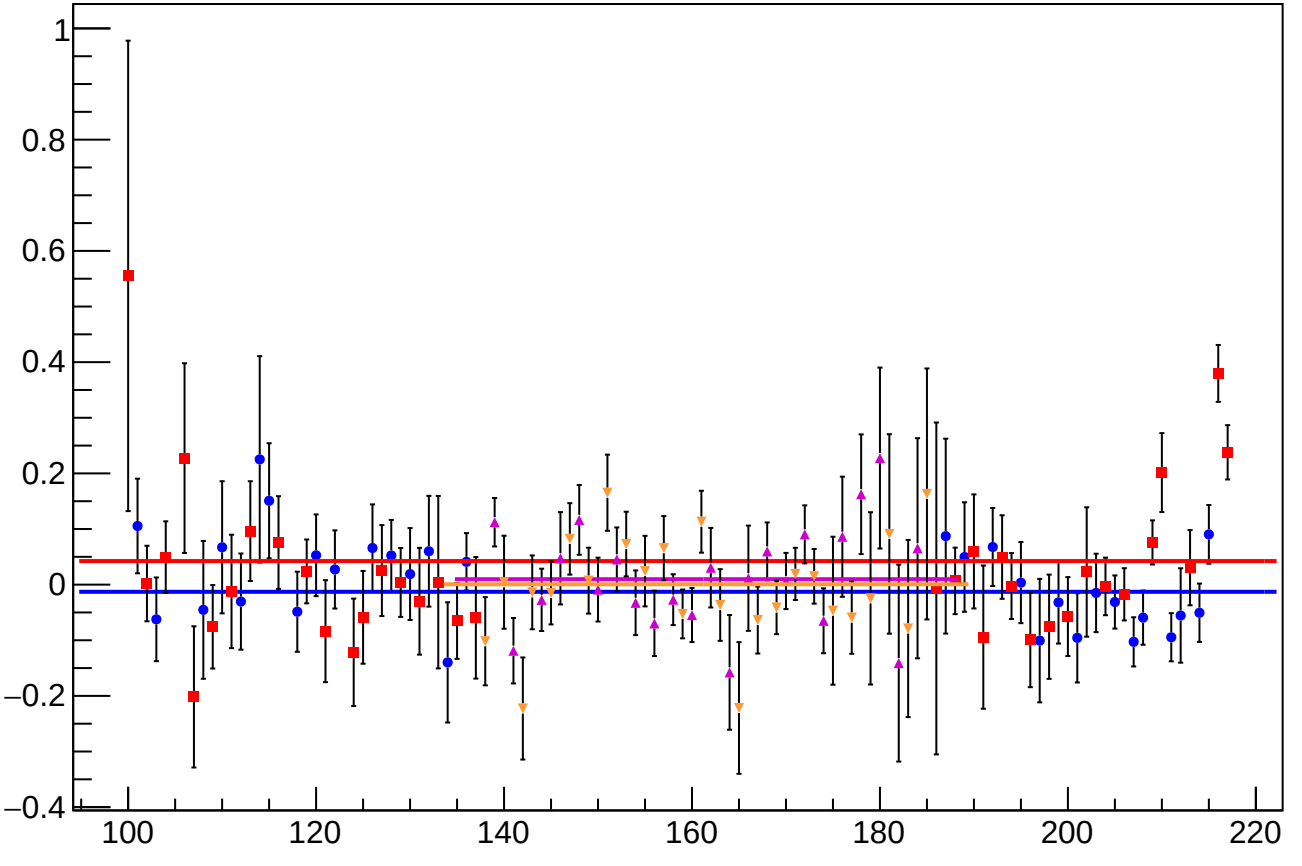
Right: 51.655+/-0.006 χ^2/NDF: 4240792.1/66

In: 52.218+/-0.006 χ^2/NDF:4378195.3/53

Out: 52.581+/-0.006 χ^2/NDF:5690723.9/60

All: 52.403+/-0.005 χ^2/NDF: 10070535.1/114

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: 0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

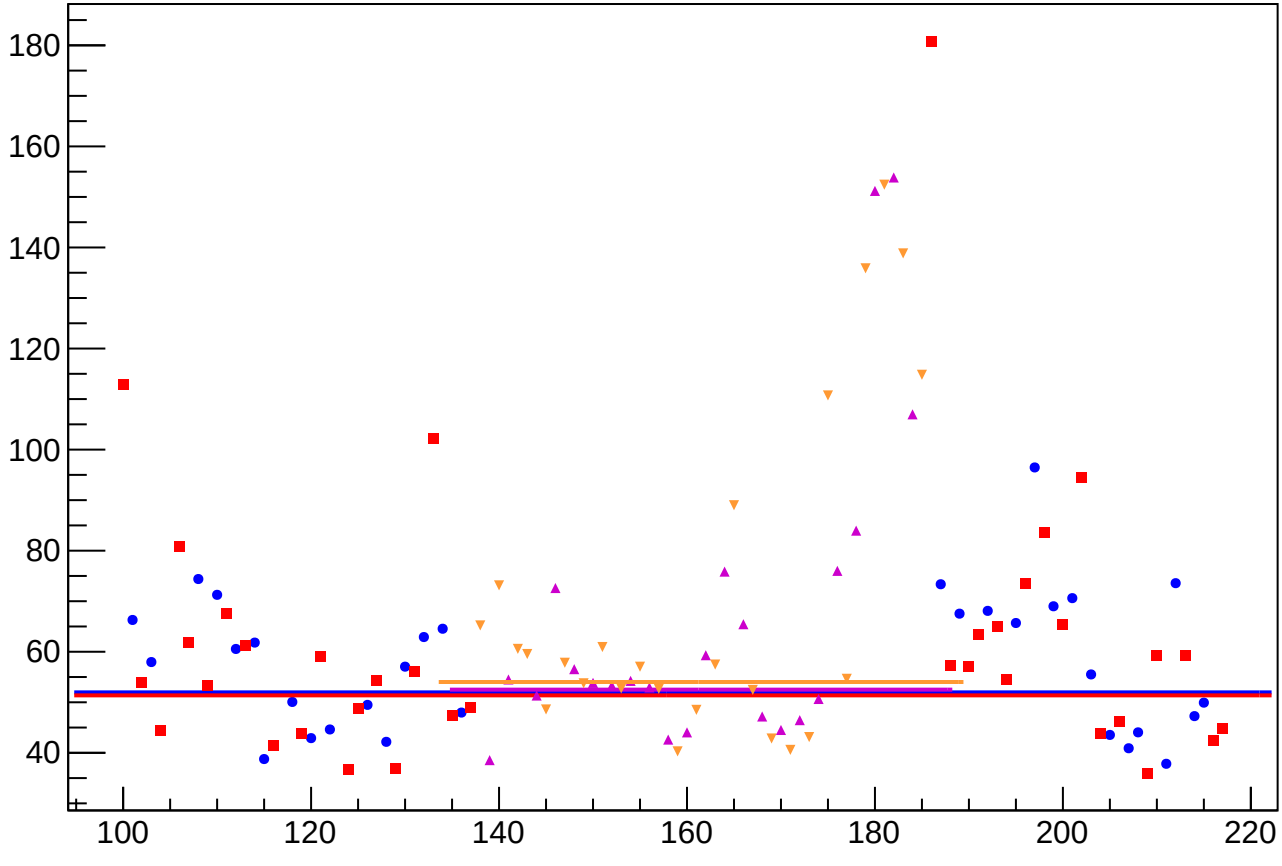
Right: 0.016+/-0.009 χ^2/NDF: 137.9/66

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.023+/-0.009 χ^2/NDF:134.1/60

All: 0.011+/-0.006 χ^2/NDF: 202.4/114

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: 51.370+/-0.009 χ^2/NDF: 2419891.9/35

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

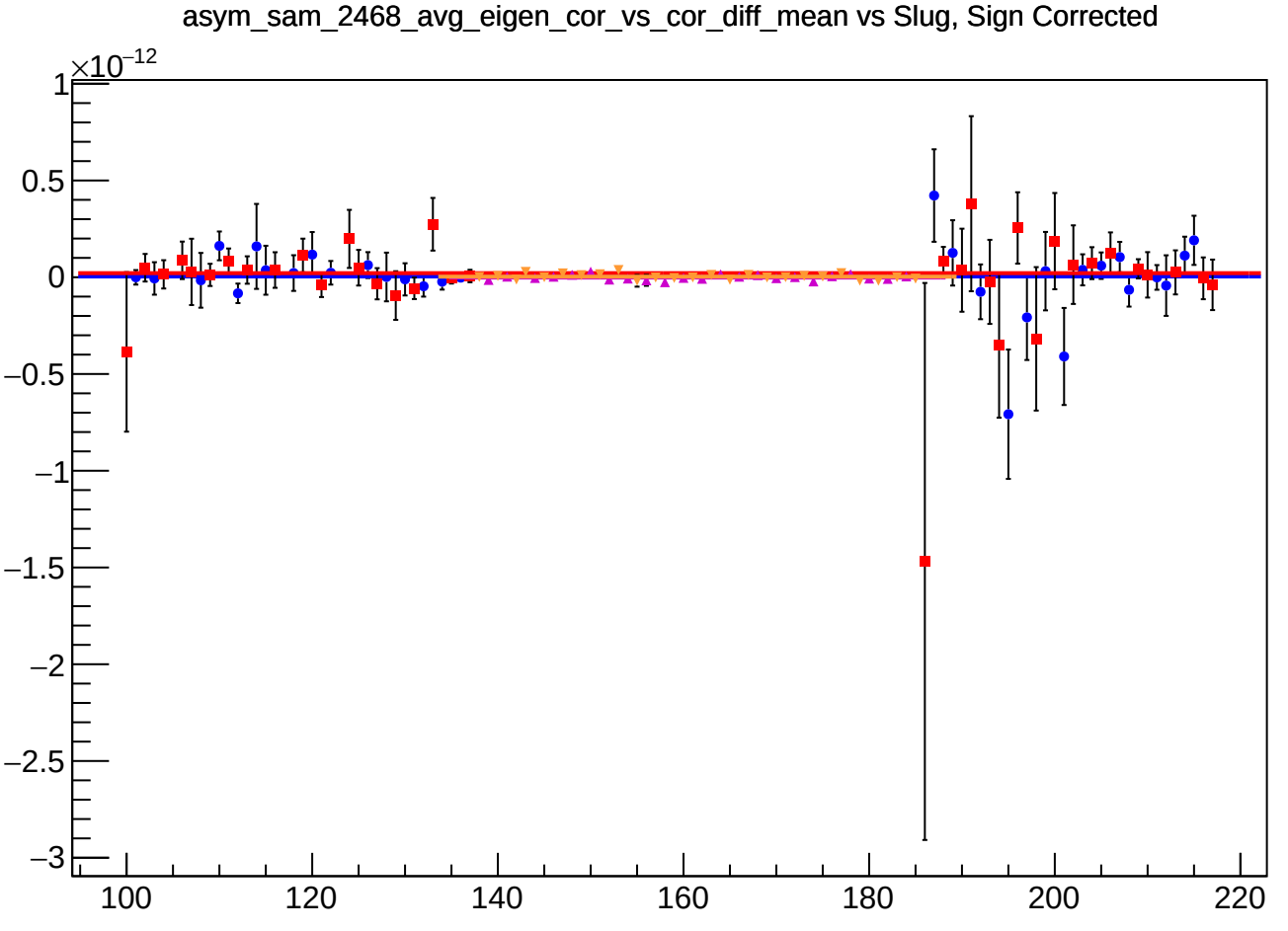
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 51.655+/-0.006 χ^2/NDF: 4240792.1/66

In: 52.218+/-0.006 χ^2/NDF:4378195.3/53

Out: 52.581+/-0.006 χ^2/NDF:5690723.9/60

All: 52.403+/-0.005 χ^2/NDF: 10070535.1/114



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: 22.3/35

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

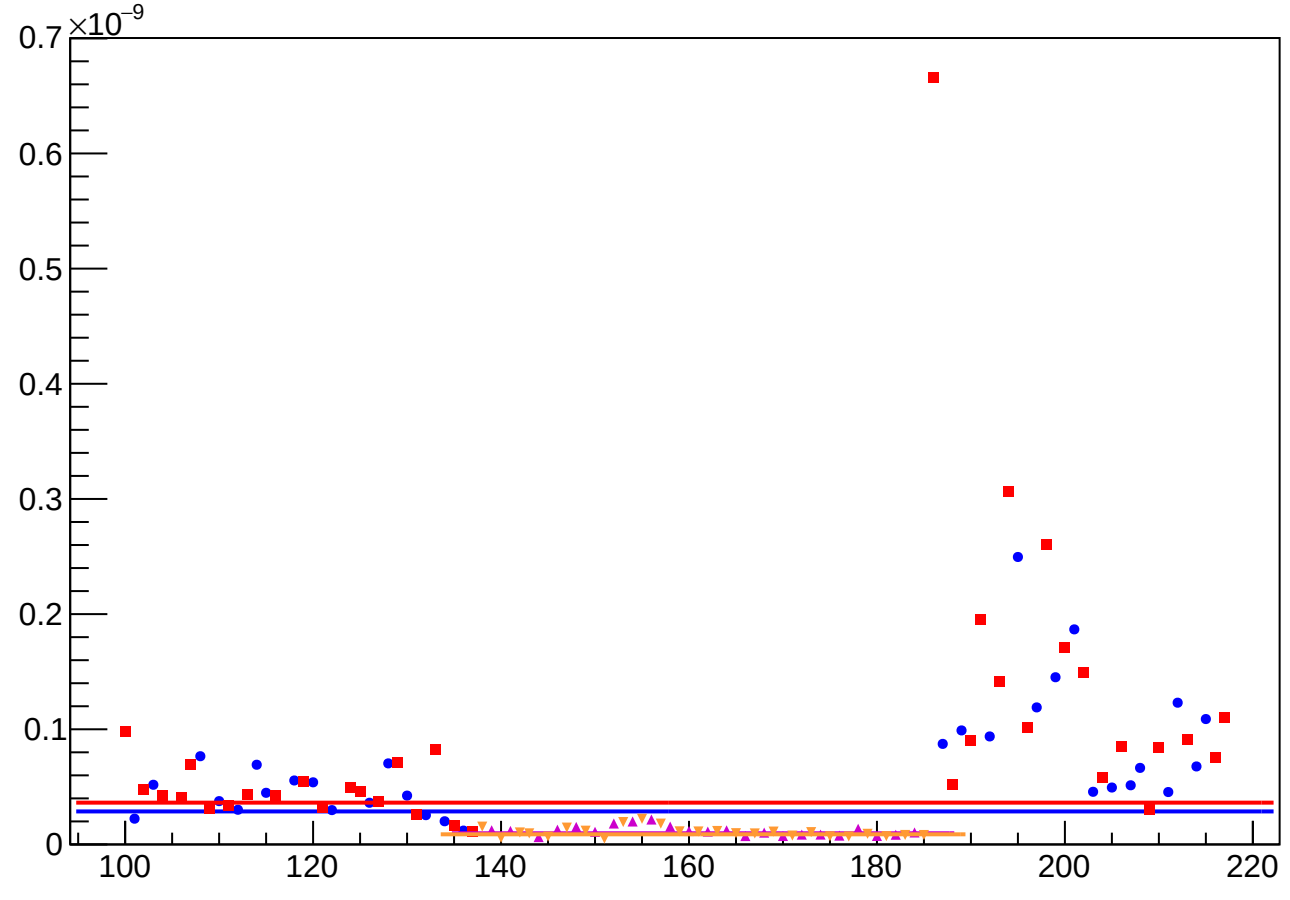
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 53.5/66

In: -0.000+/-0.000 χ^2/NDF:45.6/53

Out: 0.000+/-0.000 χ^2/NDF:46.1/60

All: 0.000+/-0.000 χ^2/NDF: 93.4/114



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: 9872059.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

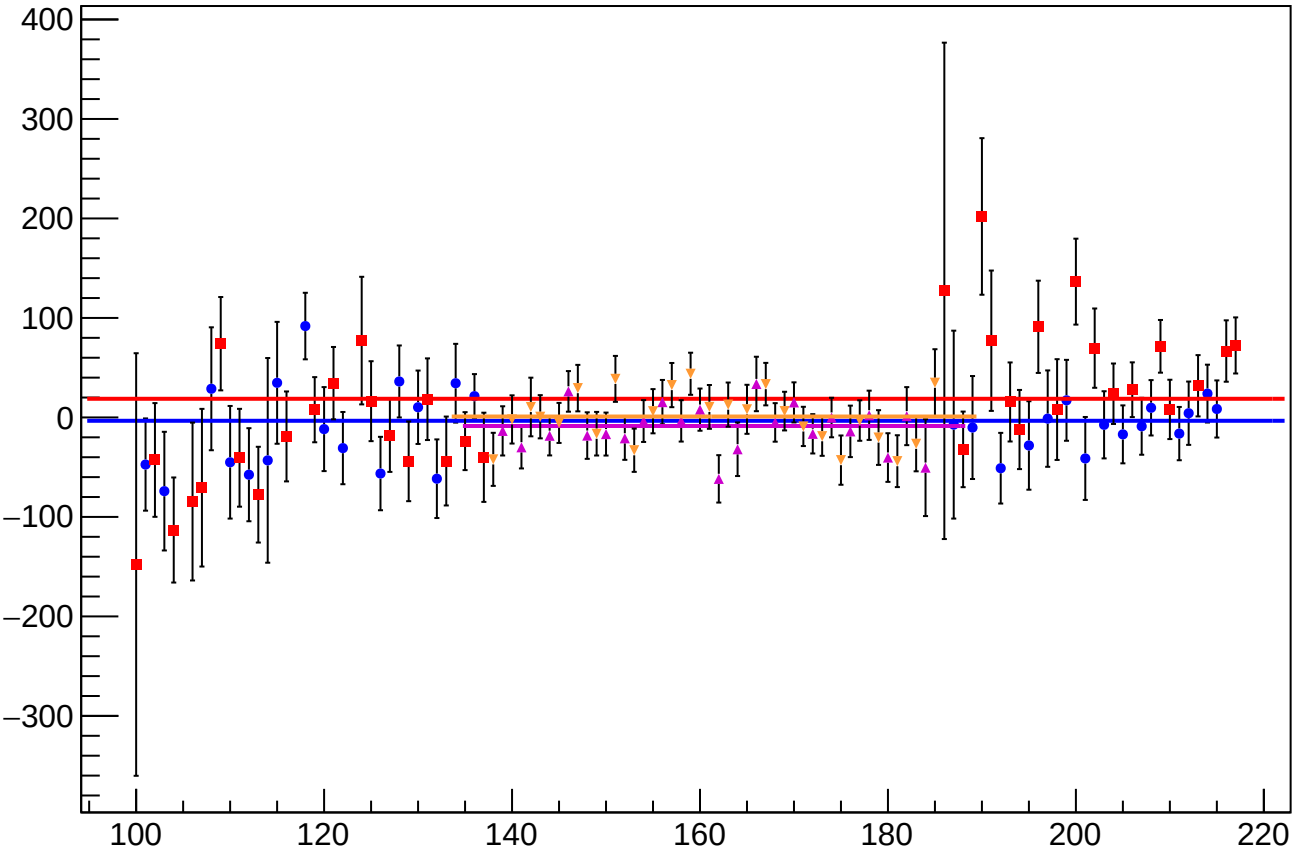
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 19842686.9/66

In: 0.000+/-0.000 χ^2/NDF:17432070.7/53

Out: 0.000+/-0.000 χ^2/NDF:21122746.3/60

All: 0.000+/-0.000 χ^2/NDF: 38699933.3/114



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: 18.742+/-6.718 χ^2/NDF: 59.7/35

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

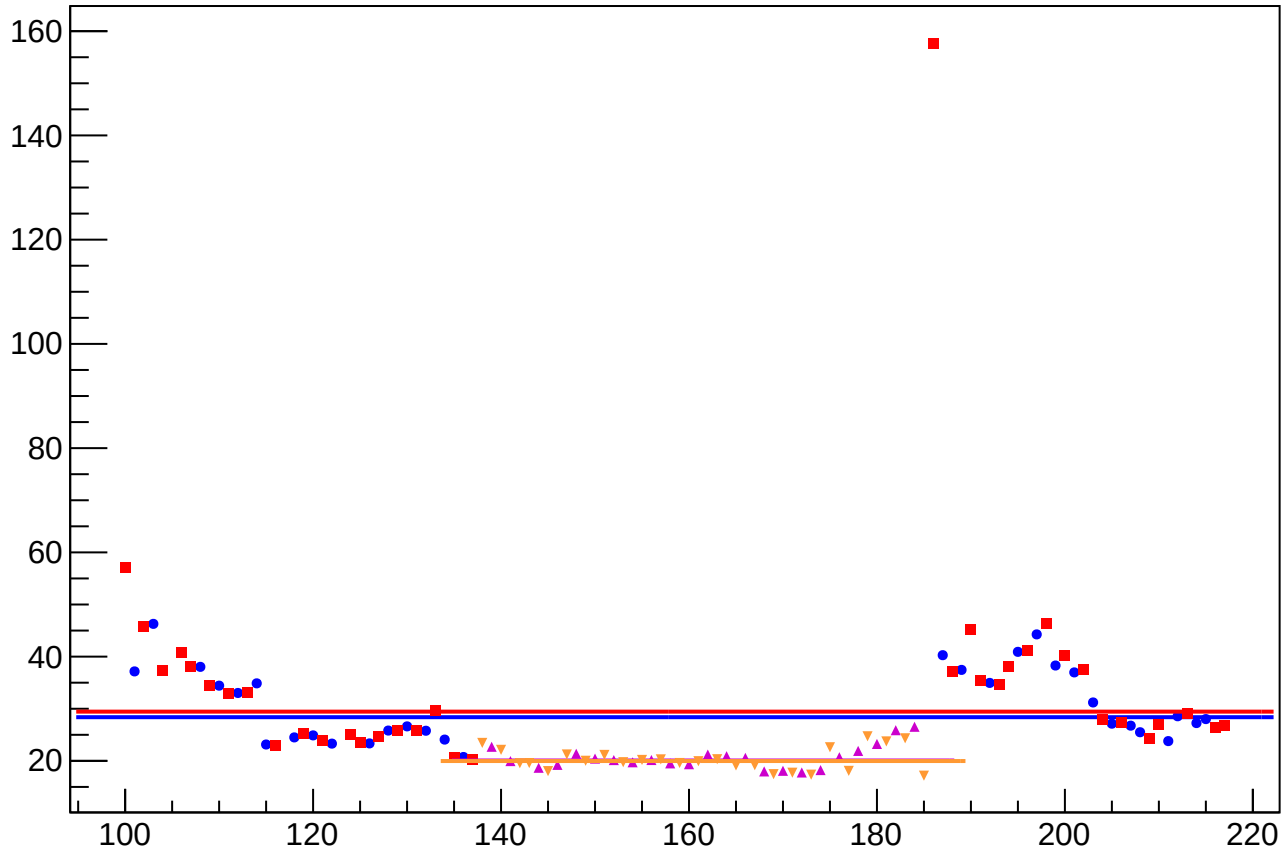
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 7.566+/-4.724 χ^2/NDF: 91.6/66

In: -6.845+/-3.850 χ^2/NDF:46.3/53

Out: 6.563+/-3.781 χ^2/NDF:93.7/60

All: -0.019+/-2.698 χ^2/NDF: 146.1/114



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: 29.447+/-0.005 χ^2/NDF: 2389652.3/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

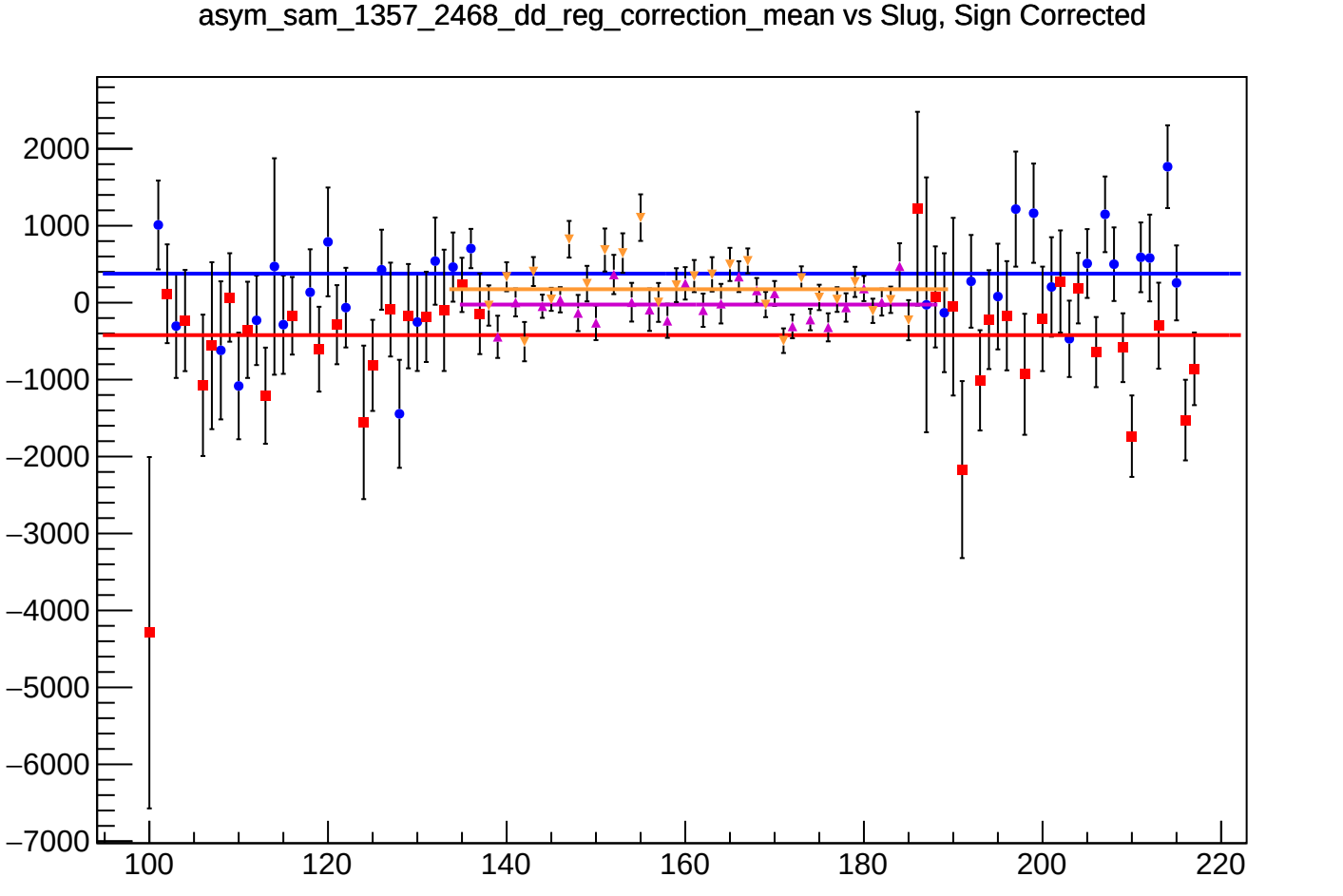
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 28.907+/-0.003 χ^2/NDF: 4030603.3/66

In: 22.861+/-0.003 χ^2/NDF:3993191.0/53

Out: 22.971+/-0.003 χ^2/NDF:5496924.1/60

All: 22.917+/-0.002 χ^2/NDF: 9490952.5/114



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: -421.859+/-101.113 χ^2/NDF: 34.1/35

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

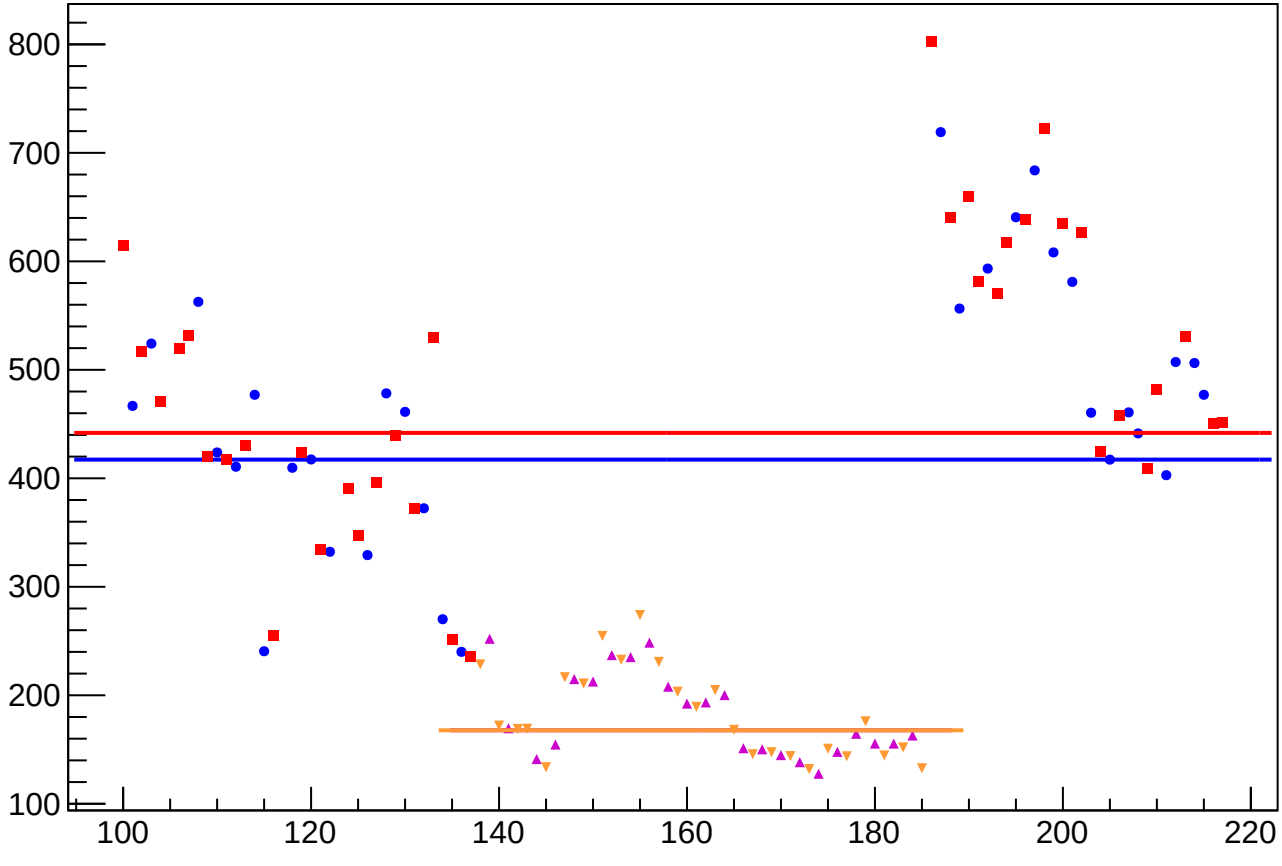
Right: -14.480+/-70.793 χ^2/NDF: 102.9/66

In: 31.826+/-37.151 χ^2/NDF:77.9/53

Out: 97.267+/-36.427 χ^2/NDF:135.6/60

All: 65.190+/-26.010 χ^2/NDF: 215.1/114

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: 441.867+/-0.071 χ^2/NDF: 2933010.3/35

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

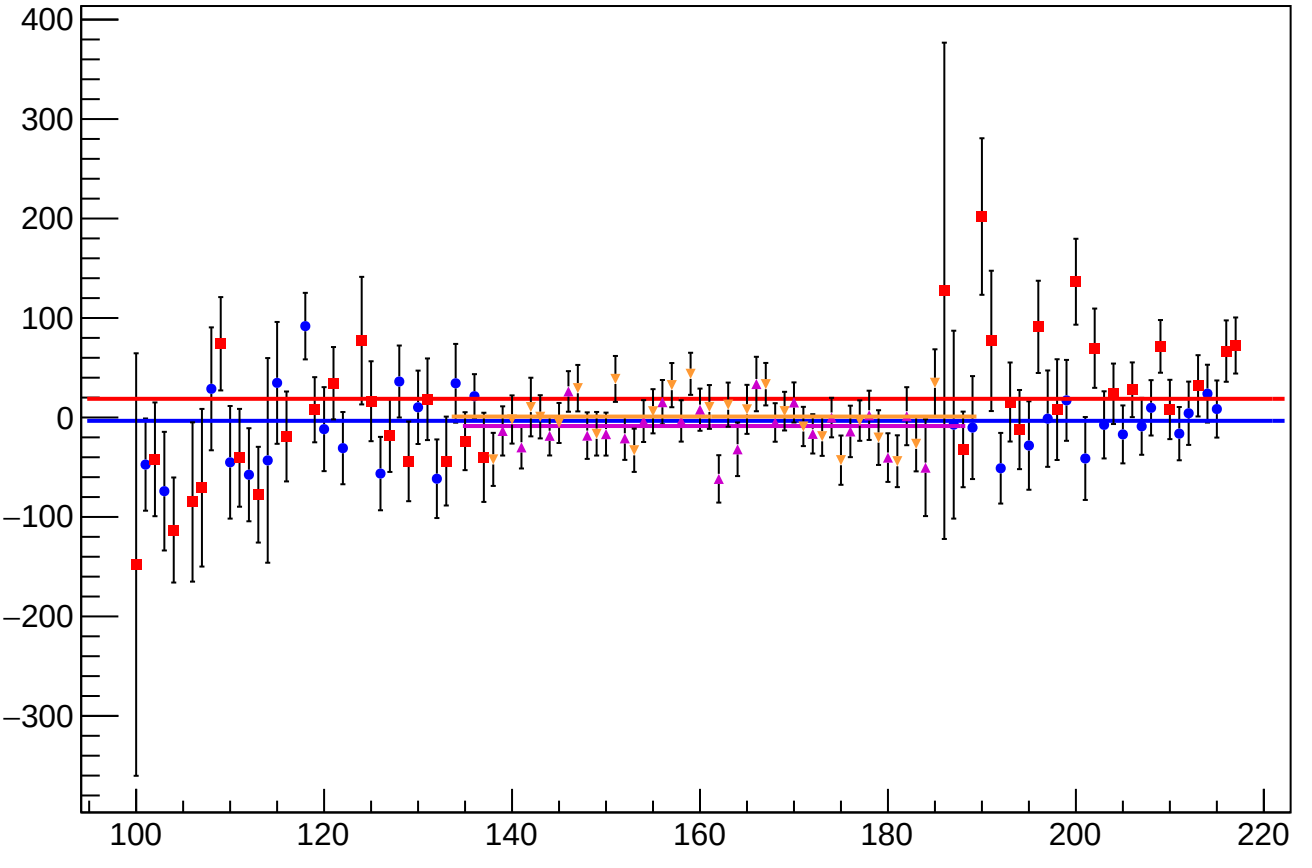
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 429.314+/-0.050 χ^2/NDF: 5840025.1/66

In: 202.778+/-0.026 χ^2/NDF:15136024.3/53

Out: 203.331+/-0.026 χ^2/NDF:17302185.7/60

All: 203.060+/-0.018 χ^2/NDF: 32438436.0/1



Right In: -3.370+/-6.645 χ^2/NDF: 26.5/30

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 18.762+/-6.718 χ^2/NDF: 59.6/35

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

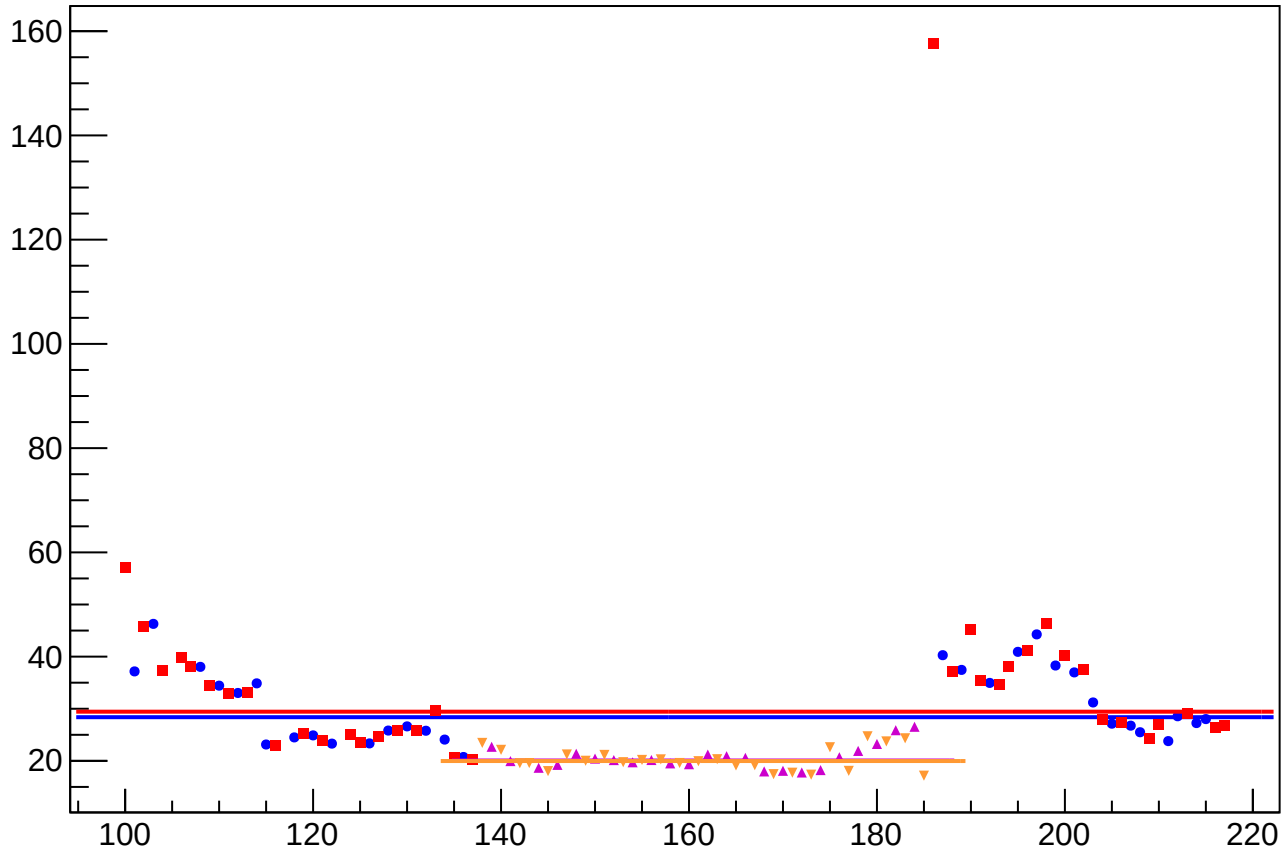
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 7.576+/-4.724 χ^2/NDF: 91.6/66

In: -6.845+/-3.850 χ^2/NDF:46.3/53

Out: 6.568+/-3.781 χ^2/NDF:93.7/60

All: -0.017+/-2.698 χ^2/NDF: 146.1/114



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: 29.438+/-0.005 χ^2/NDF: 2381793.2/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

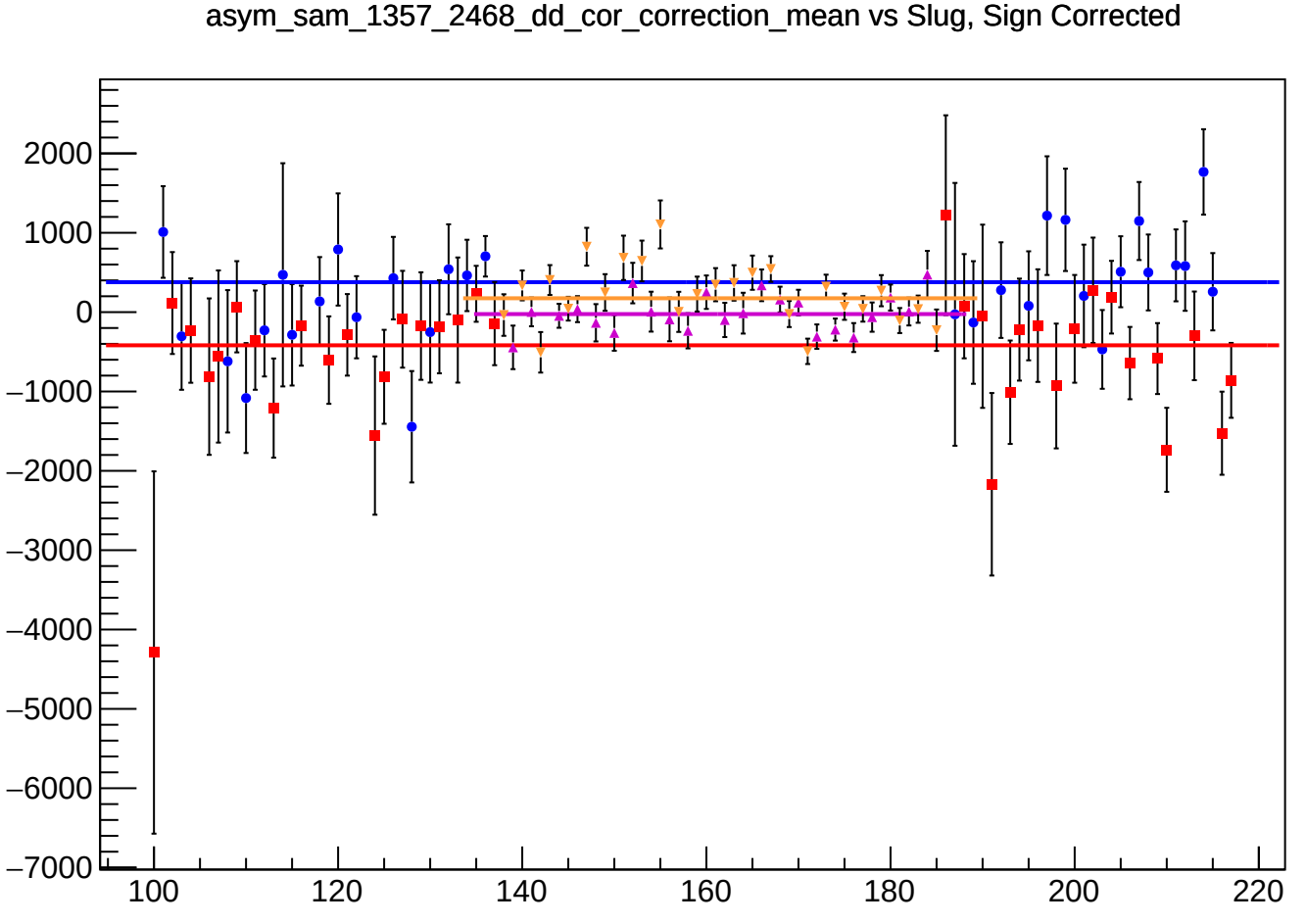
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.903+/-0.003 χ^2/NDF: 4022314.5/66

In: 22.861+/-0.003 χ^2/NDF:3993194.4/53

Out: 22.968+/-0.003 χ^2/NDF:5483607.7/60

All: 22.915+/-0.002 χ^2/NDF: 9477592.2/114



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: -418.115+/-101.195 χ^2/NDF: 33.8/35

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

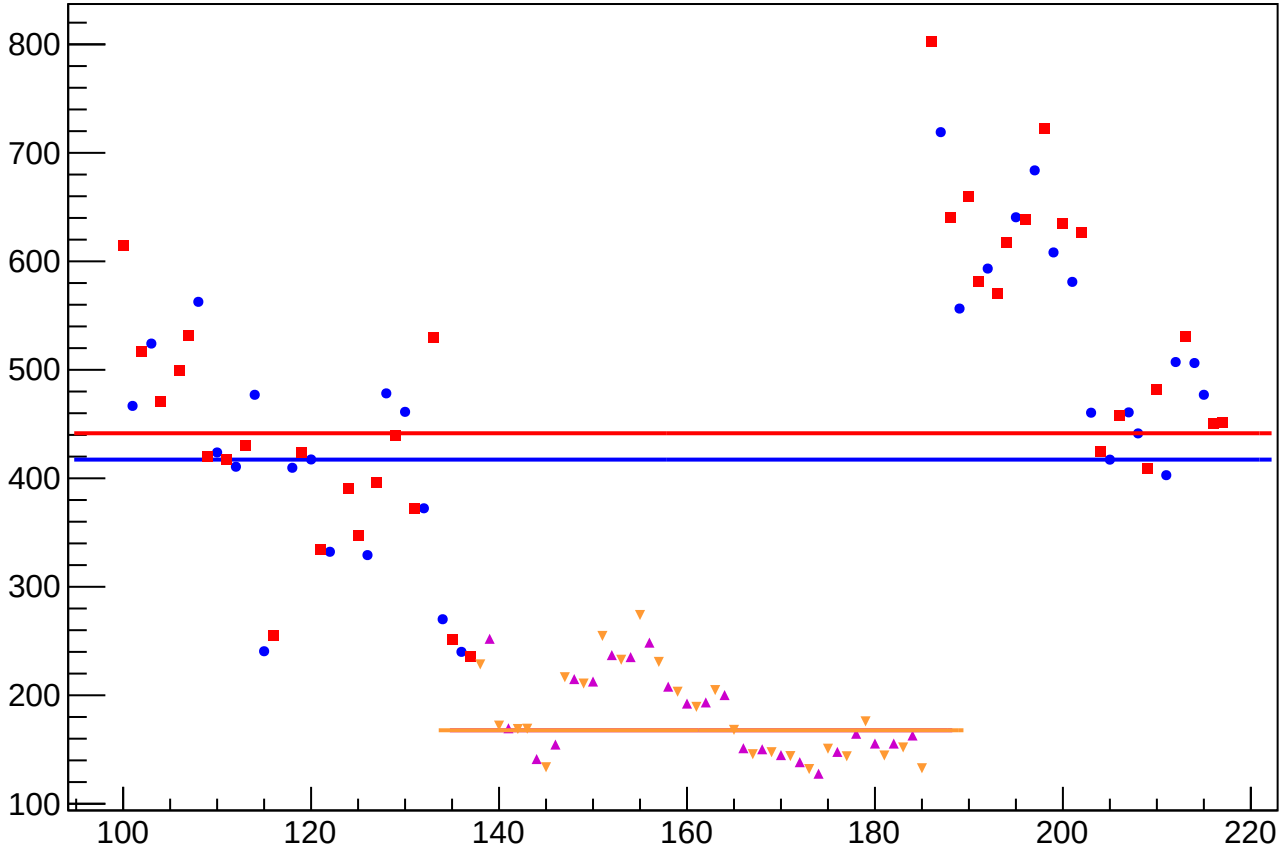
Right: -12.324+/-70.821 χ^2/NDF: 102.2/66

In: 31.825+/-37.151 χ^2/NDF:77.9/53

Out: 97.860+/-36.431 χ^2/NDF:134.9/60

All: 65.489+/-26.011 χ^2/NDF: 214.4/114

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: 441.533+/-0.072 χ^2/NDF: 2925560.9/35

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

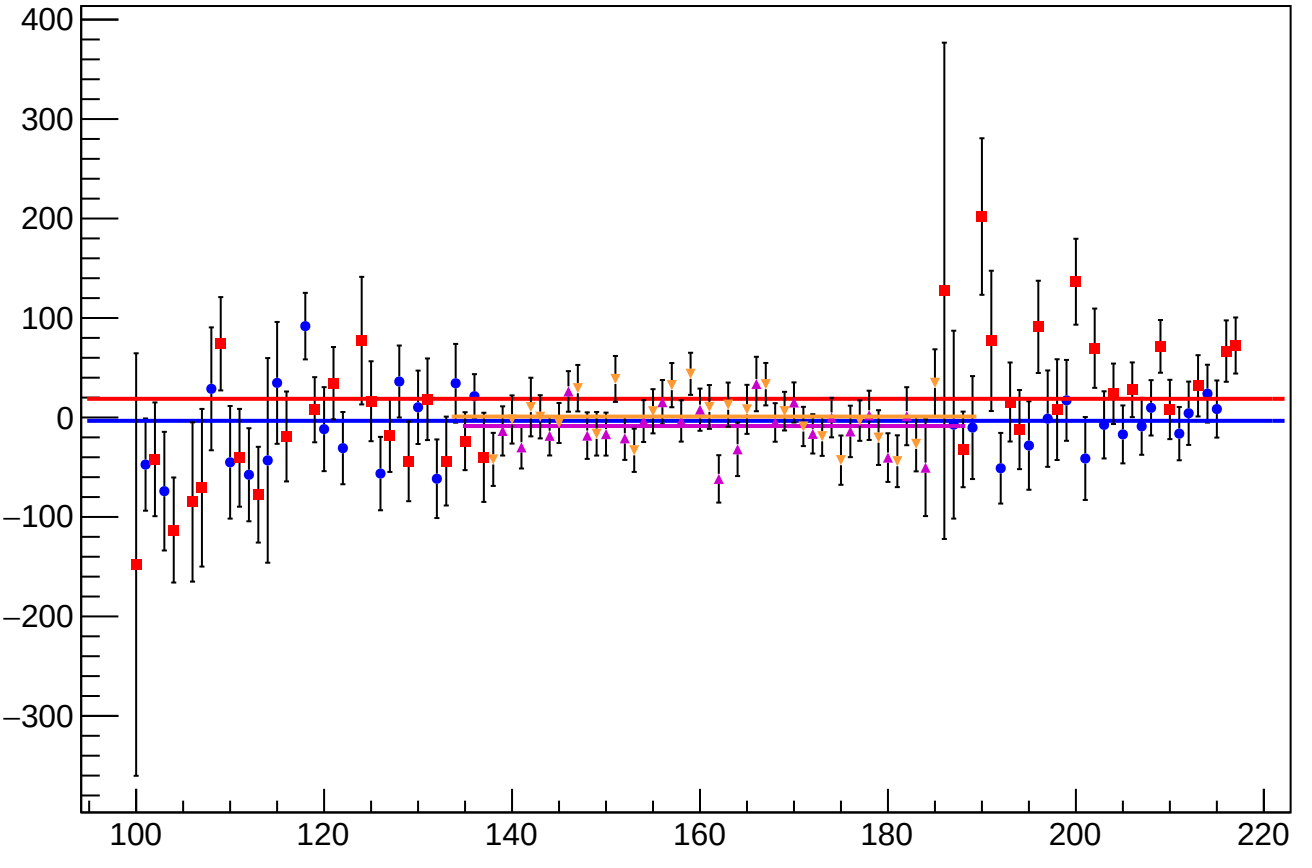
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 429.140+/-0.050 χ^2/NDF: 5830919.2/66

In: 202.778+/-0.026 χ^2/NDF:15136035.4/53

Out: 203.237+/-0.026 χ^2/NDF:17245573.1/60

All: 203.012+/-0.018 χ^2/NDF: 32381764.5/11



Right In: -3.370+/-6.645 χ^2/NDF: 26.5/30

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 18.762+/-6.718 χ^2/NDF: 59.6/35

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

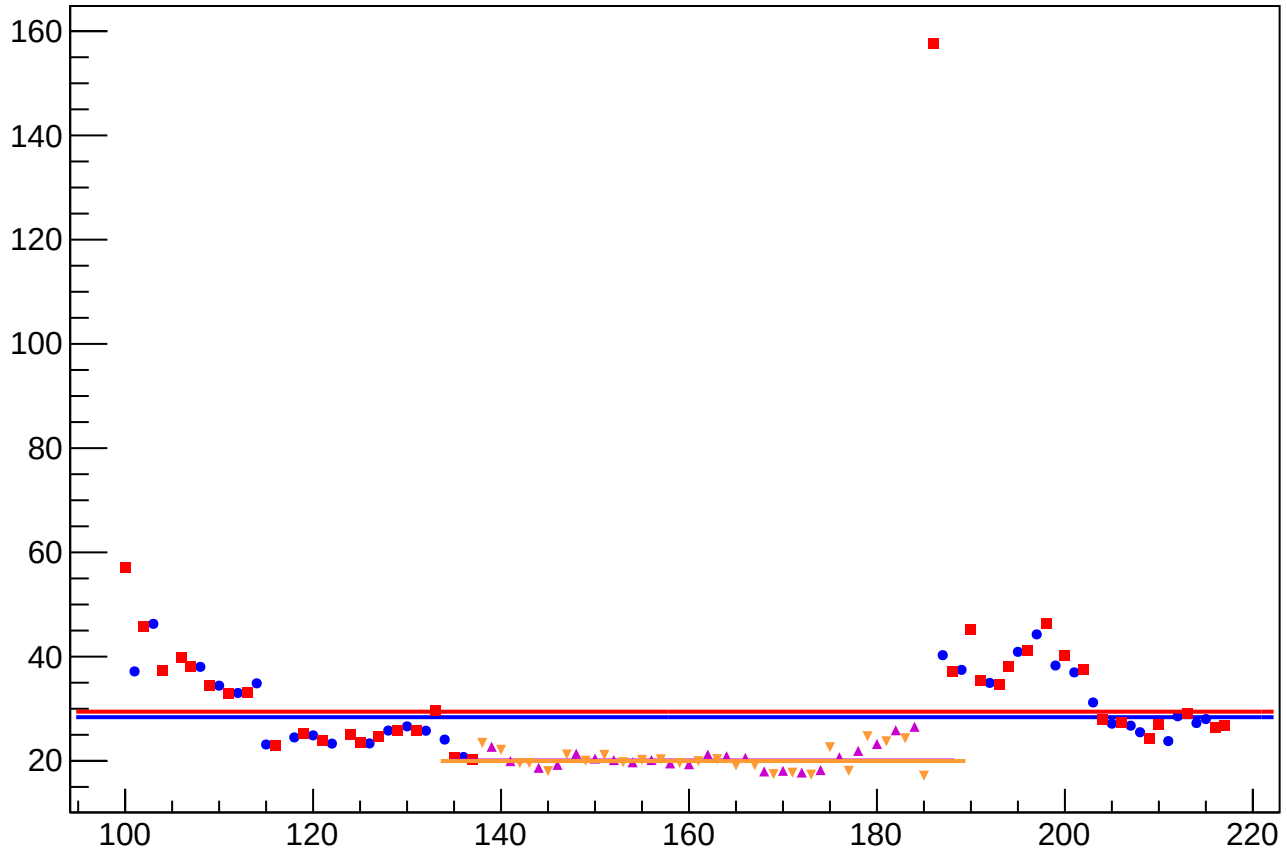
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 7.576+/-4.724 χ^2/NDF: 91.6/66

In: -6.845+/-3.850 χ^2/NDF:46.3/53

Out: 6.568+/-3.781 χ^2/NDF:93.7/60

All: -0.017+/-2.698 χ^2/NDF: 146.1/114



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: 29.438+/-0.005 χ^2/NDF: 2381793.2/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

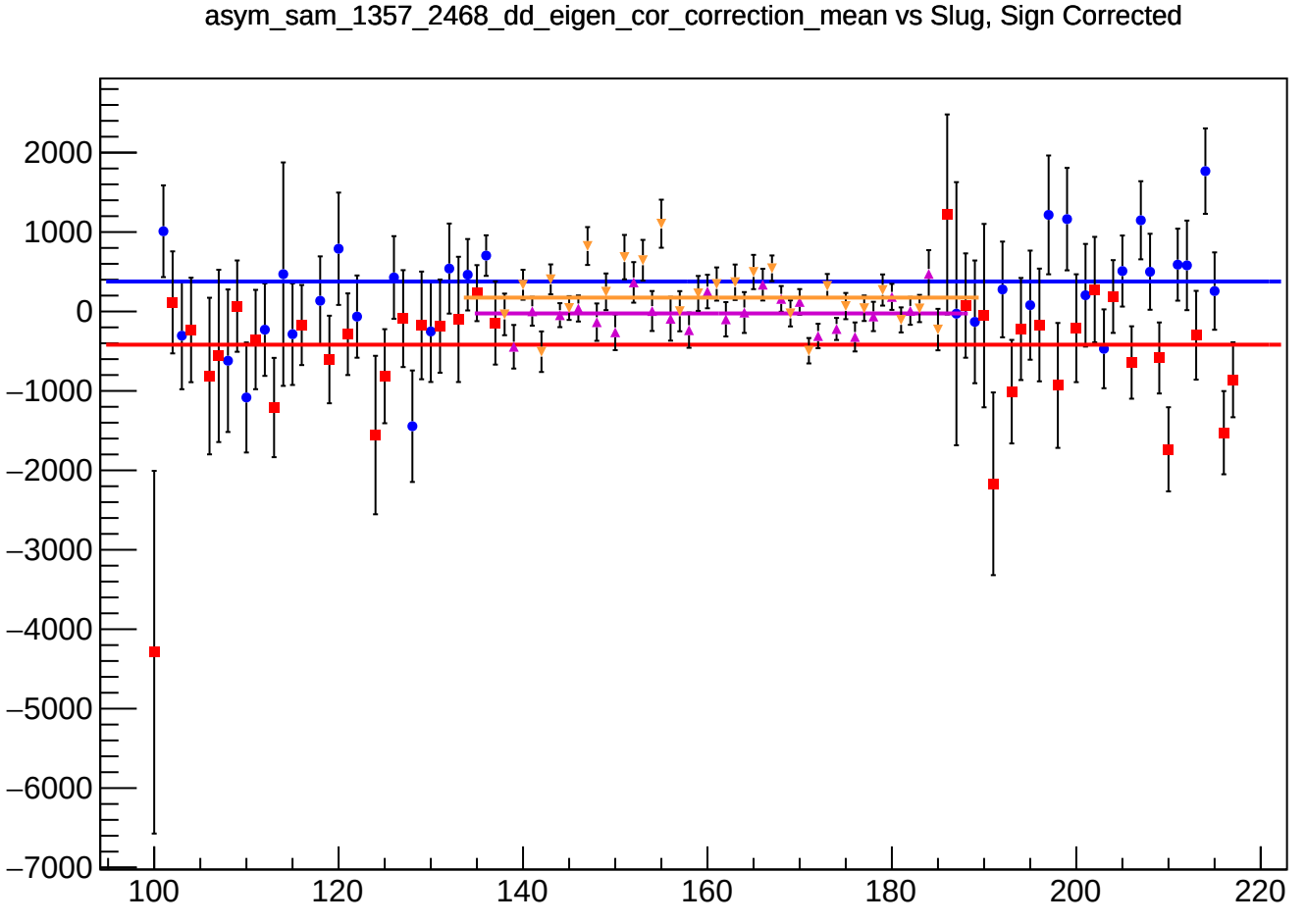
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.903+/-0.003 χ^2/NDF: 4022314.5/66

In: 22.861+/-0.003 χ^2/NDF:3993194.4/53

Out: 22.968+/-0.003 χ^2/NDF:5483607.7/60

All: 22.915+/-0.002 χ^2/NDF: 9477592.2/114



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: -418.115+/-101.195 χ^2/NDF: 33.8/35

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

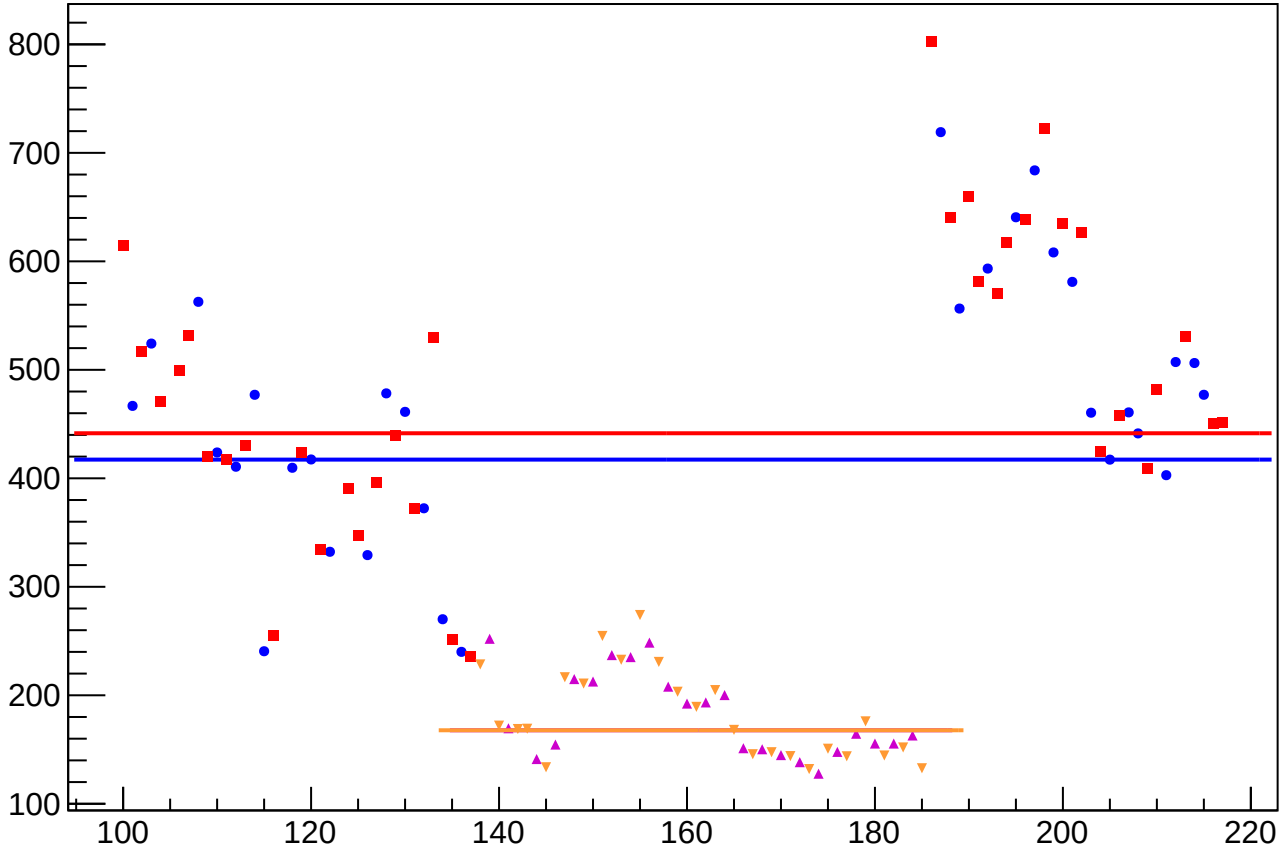
Right: -12.324+/-70.821 χ^2/NDF: 102.2/66

In: 31.825+/-37.151 χ^2/NDF:77.9/53

Out: 97.860+/-36.431 χ^2/NDF:134.9/60

All: 65.489+/-26.011 χ^2/NDF: 214.4/114

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: 441.533+/-0.072 χ^2/NDF: 2925560.9/35

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

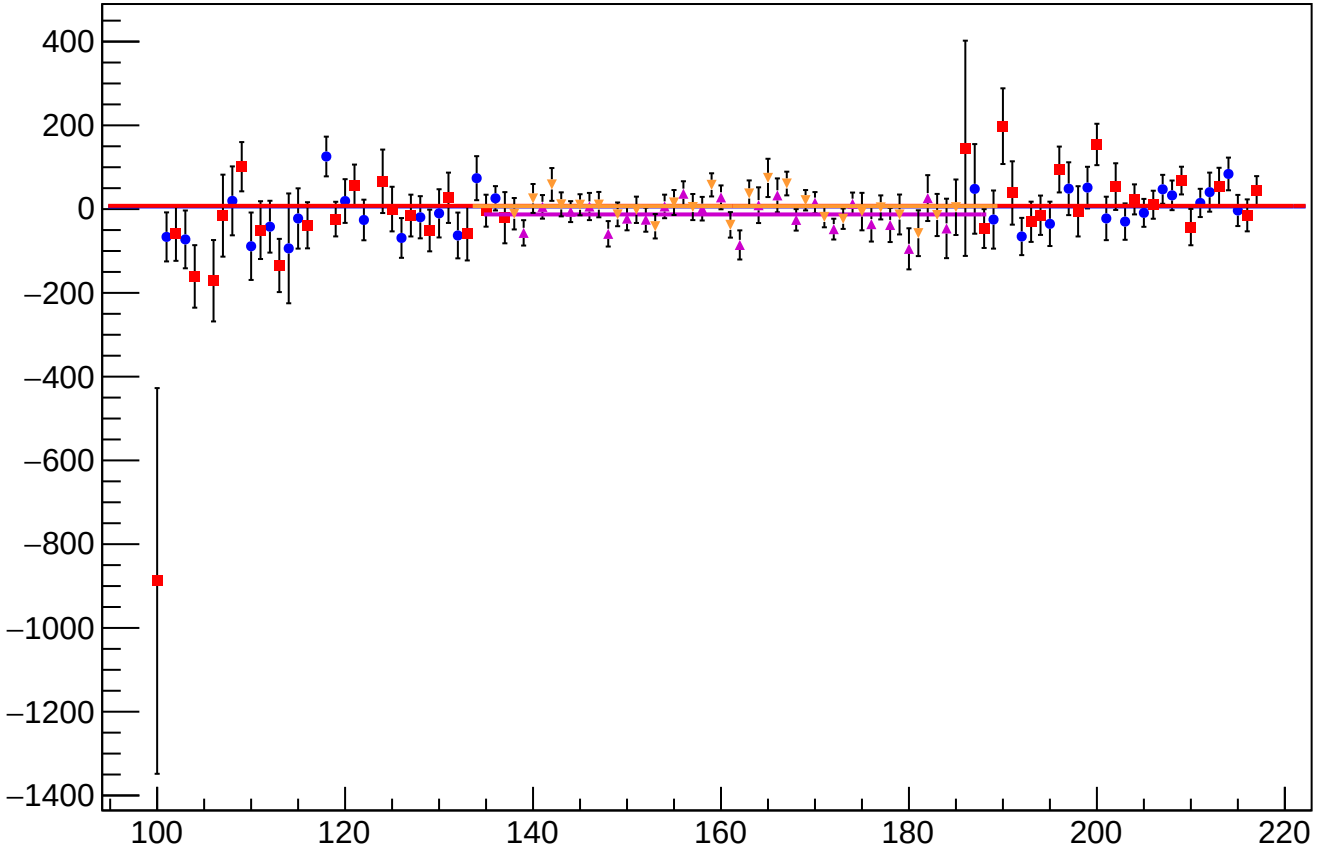
Right: 429.140+/-0.050 χ^2/NDF: 5830919.2/66

In: 202.778+/-0.026 χ^2/NDF:15136035.4/53

Out: 203.237+/-0.026 χ^2/NDF:17245573.1/60

All: 203.012+/-0.018 χ^2/NDF: 32381764.5/11

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 6.319+/-8.591 χ^2/NDF: 31.7/30

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 7.849+/-8.570 χ^2/NDF: 54.0/35

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

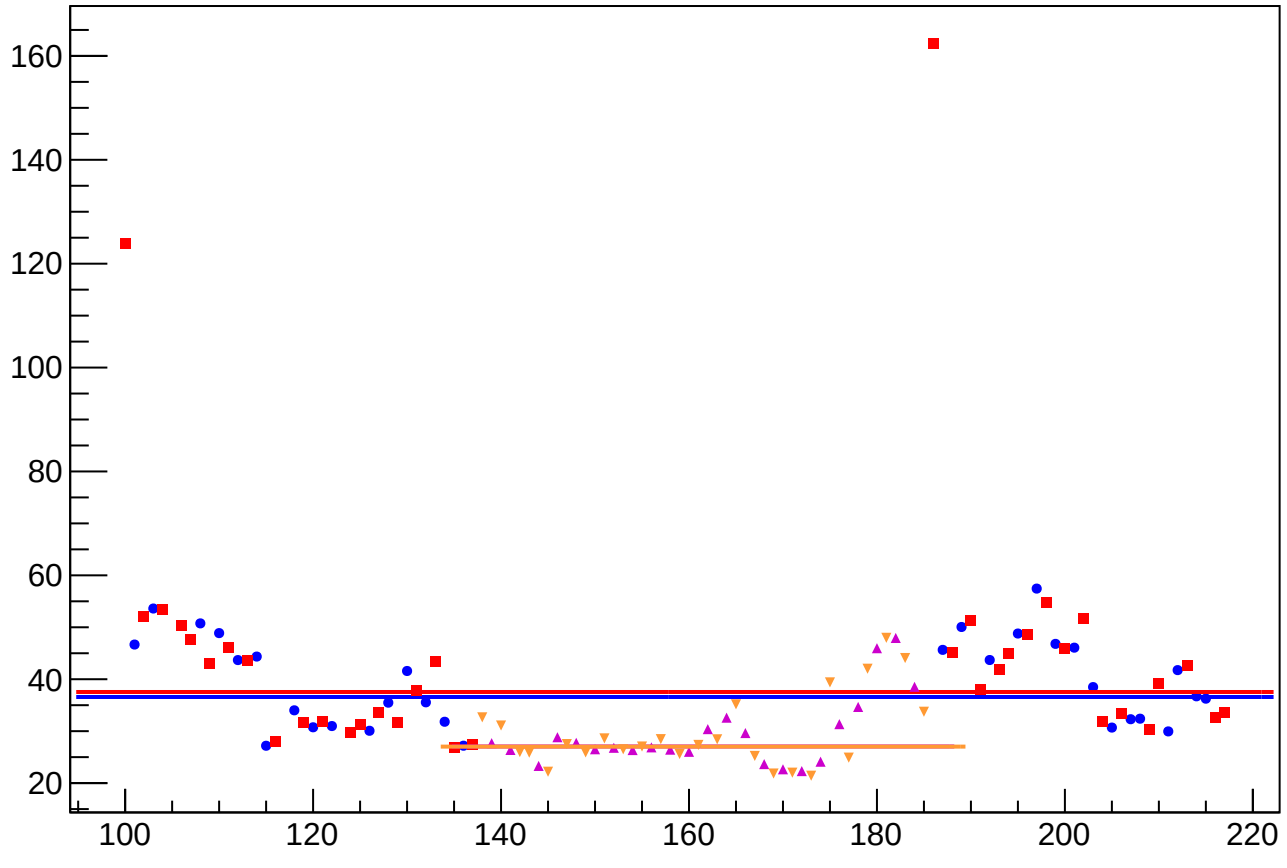
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 7.086+/-6.068 χ^2/NDF: 85.7/66

In: -5.756+/-5.190 χ^2/NDF:60.4/53

Out: 7.351+/-5.093 χ^2/NDF:76.7/60

All: 0.921+/-3.635 χ^2/NDF: 140.4/114



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: 37.542+/-0.006 χ^2/NDF: 2162024.1/35

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

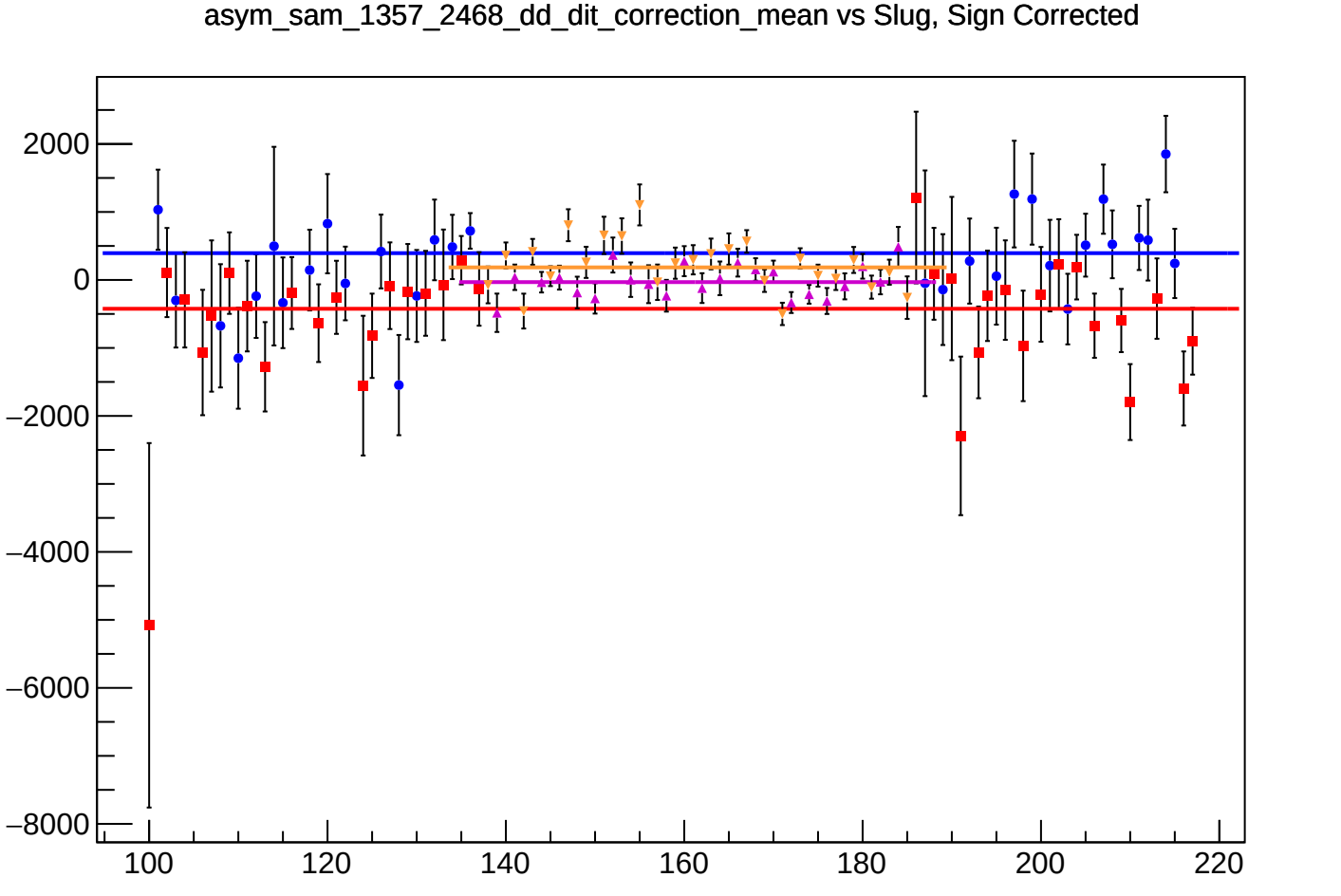
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 37.062+/-0.004 χ^2/NDF: 3711186.1/66

In: 30.530+/-0.004 χ^2/NDF:4142840.6/53

Out: 30.740+/-0.004 χ^2/NDF:5540075.7/60

All: 30.637+/-0.003 χ^2/NDF: 9684597.3/114



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: -424.063+/-104.864 χ^2/NDF: 35.2/35

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

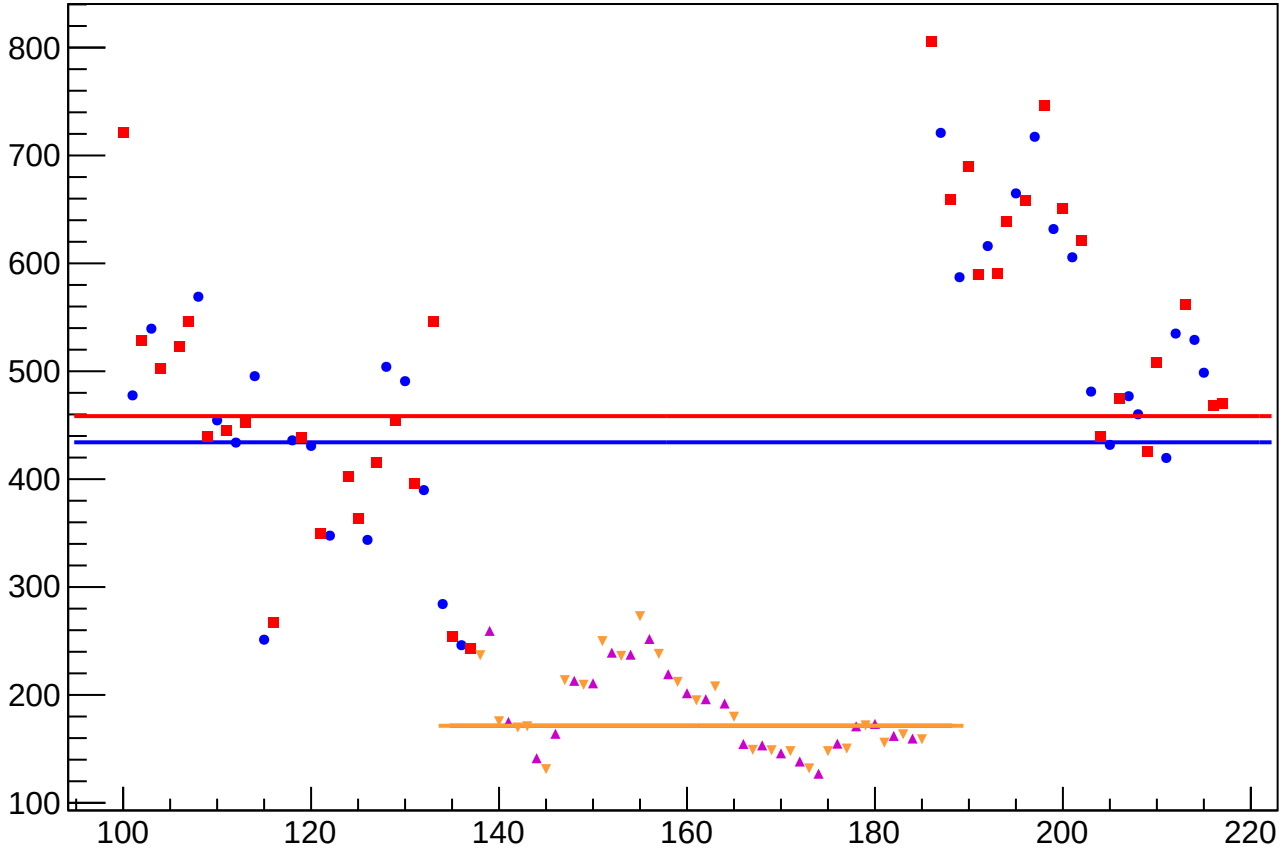
Right: -8.442+/-73.558 χ^2/NDF: 102.6/66

In: 26.119+/-38.083 χ^2/NDF:77.7/53

Out: 107.919+/-37.236 χ^2/NDF:132.3/60

All: 67.939+/-26.624 χ^2/NDF: 212.3/114

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: 458.420+/-0.074 χ^2/NDF: 2921219.7/35

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

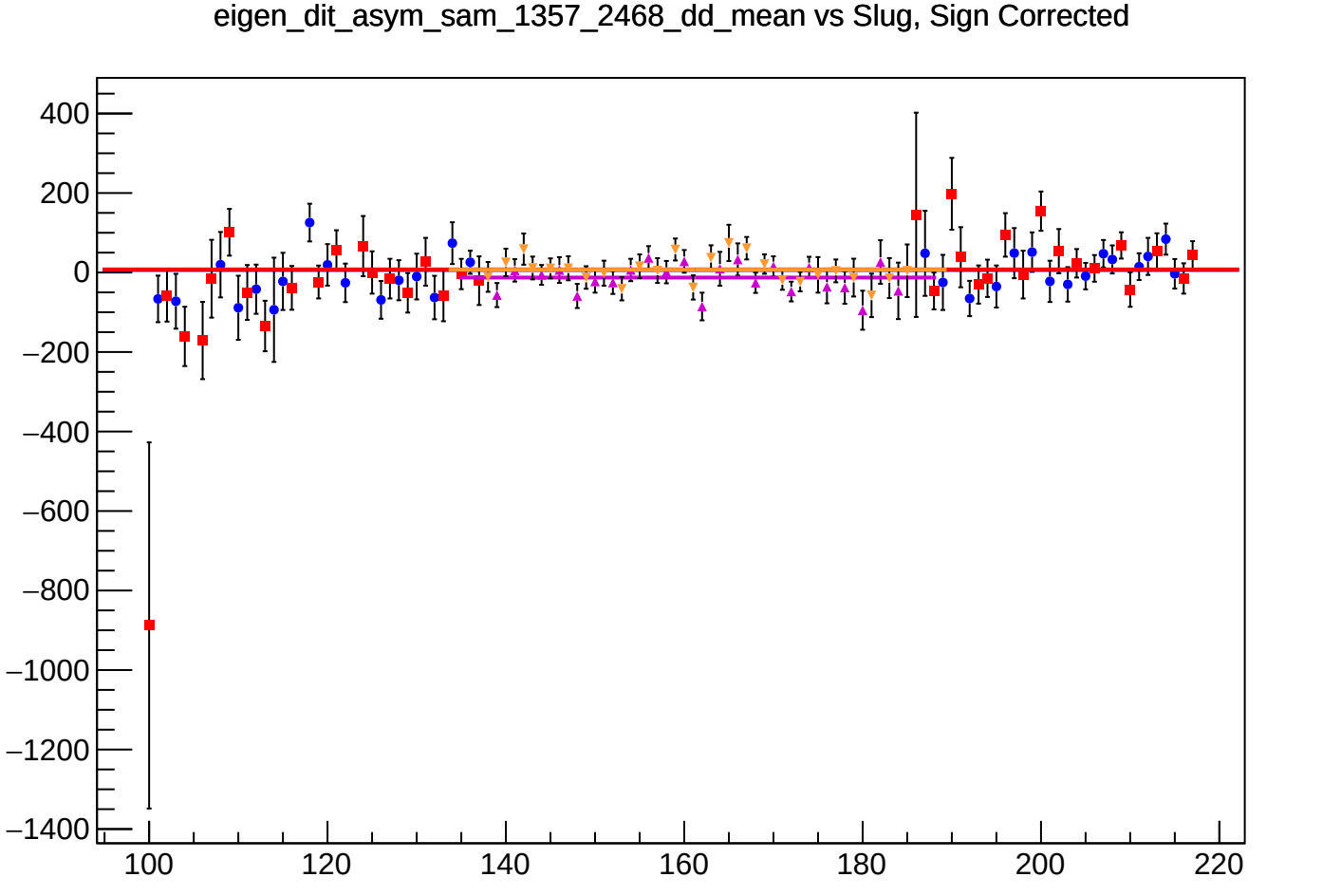
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 446.095+/-0.052 χ^2/NDF: 5874473.5/66

In: 207.253+/-0.027 χ^2/NDF:15504731.4/53

Out: 207.614+/-0.026 χ^2/NDF:17539566.9/60

All: 207.437+/-0.019 χ^2/NDF: 33044389.9/1



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: 7.849+/-8.570 χ^2/NDF: 54.0/35

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

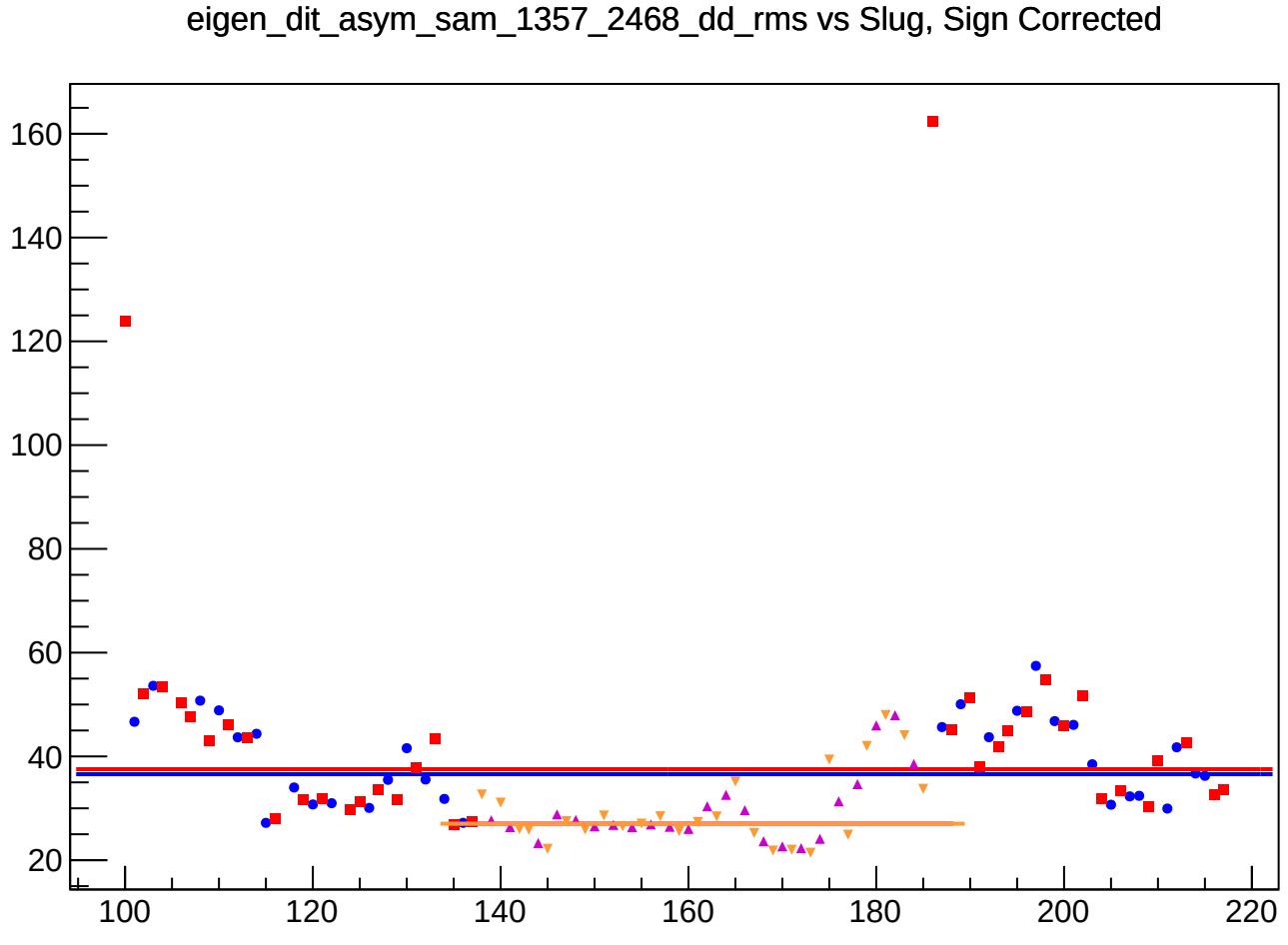
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 7.085+/-6.068 χ^2/NDF: 85.7/66

In: -5.756+/-5.190 χ^2/NDF:60.4/53

Out: 7.351+/-5.093 χ^2/NDF:76.7/60

All: 0.921+/-3.635 χ^2/NDF: 140.4/114



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: 37.542+/-0.006 χ^2/NDF: 2161985.3/35

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

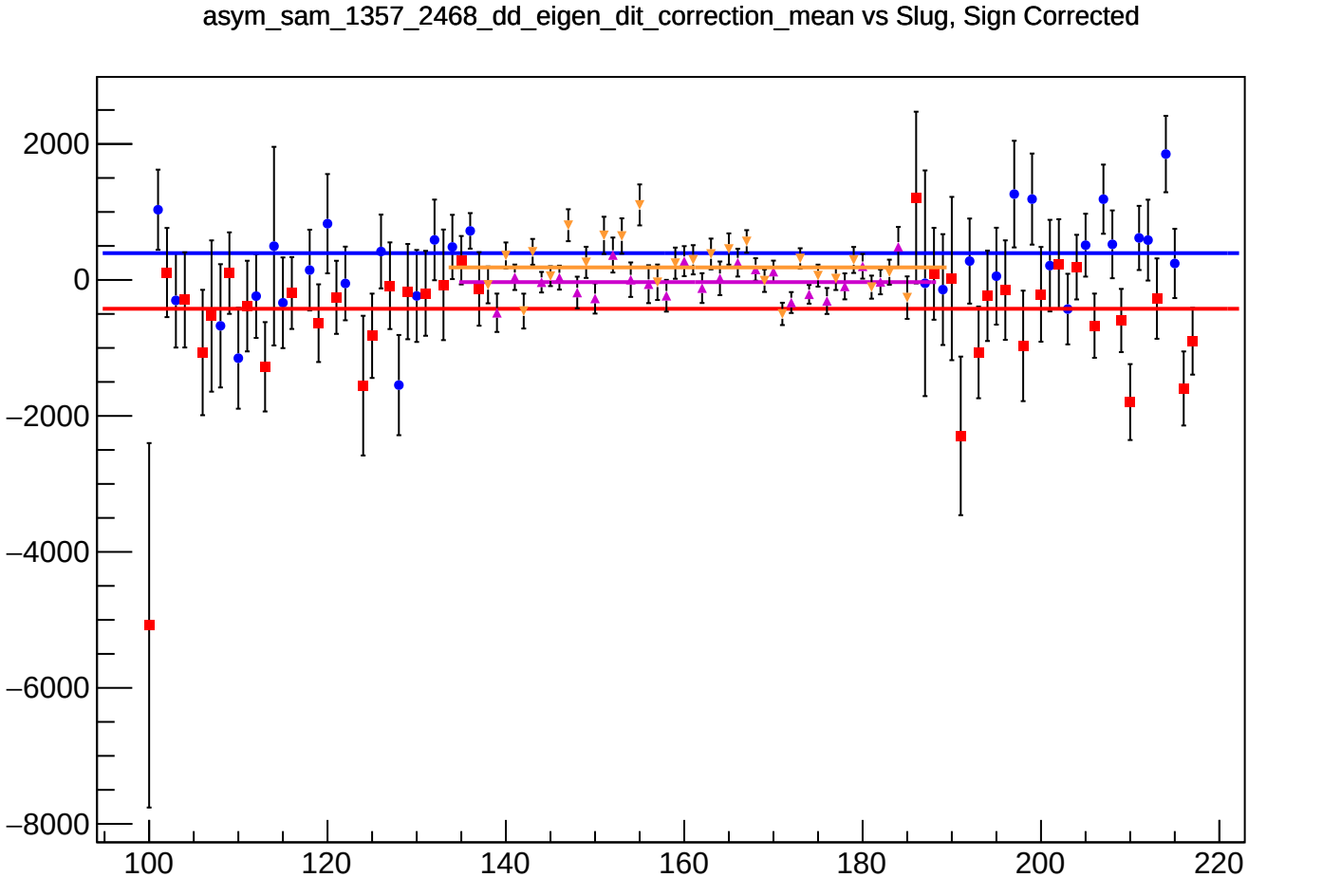
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 37.062+/-0.004 χ^2/NDF: 3711129.9/66

In: 30.530+/-0.004 χ^2/NDF:4142711.3/53

Out: 30.740+/-0.004 χ^2/NDF:5539999.4/60

All: 30.637+/-0.003 χ^2/NDF: 9684392.9/114



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: -424.061+/-104.864 χ^2/NDF: 35.2/35

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

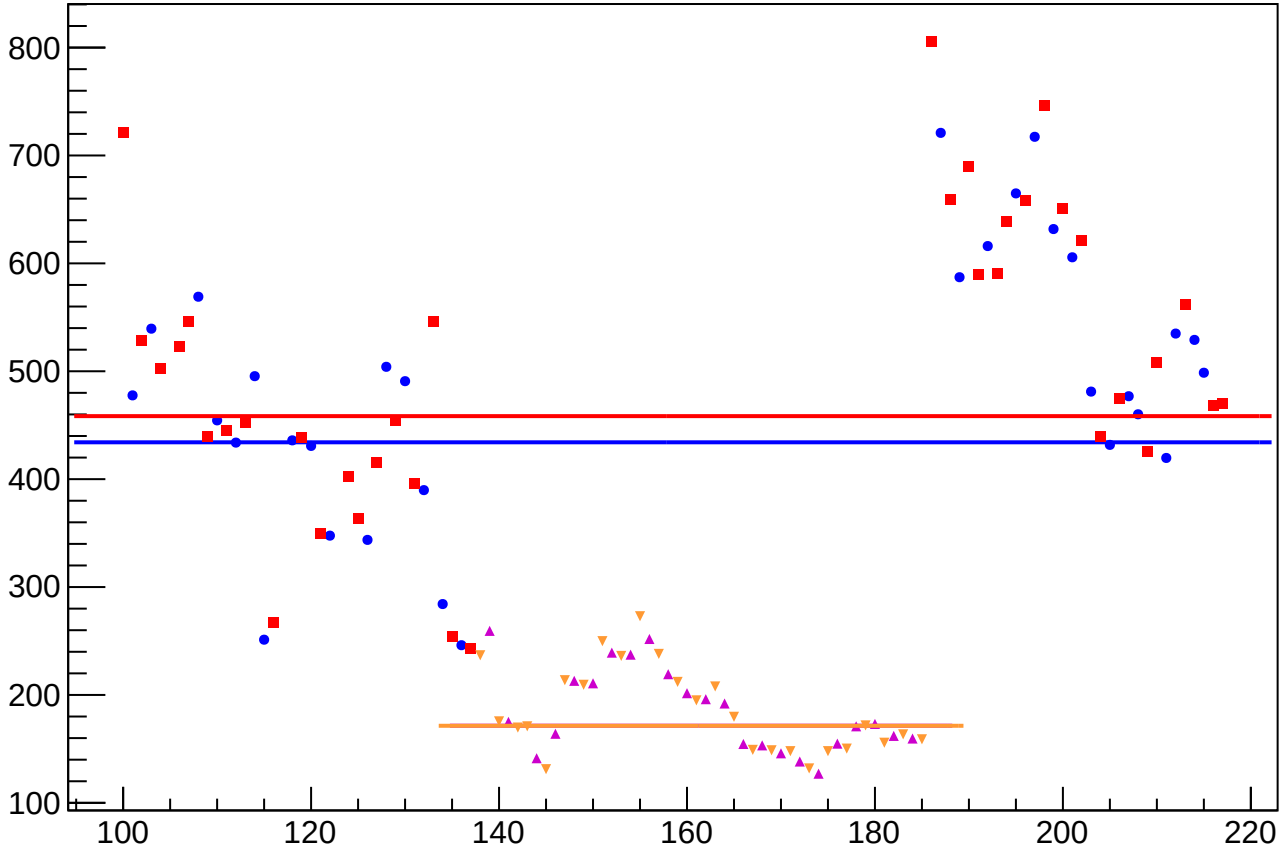
Right: -8.443+/-73.558 χ^2/NDF: 102.6/66

In: 26.118+/-38.083 χ^2/NDF:77.7/53

Out: 107.919+/-37.236 χ^2/NDF:132.3/60

All: 67.939+/-26.624 χ^2/NDF: 212.3/114

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: 458.420+/-0.074 χ^2/NDF: 2921231.6/35

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

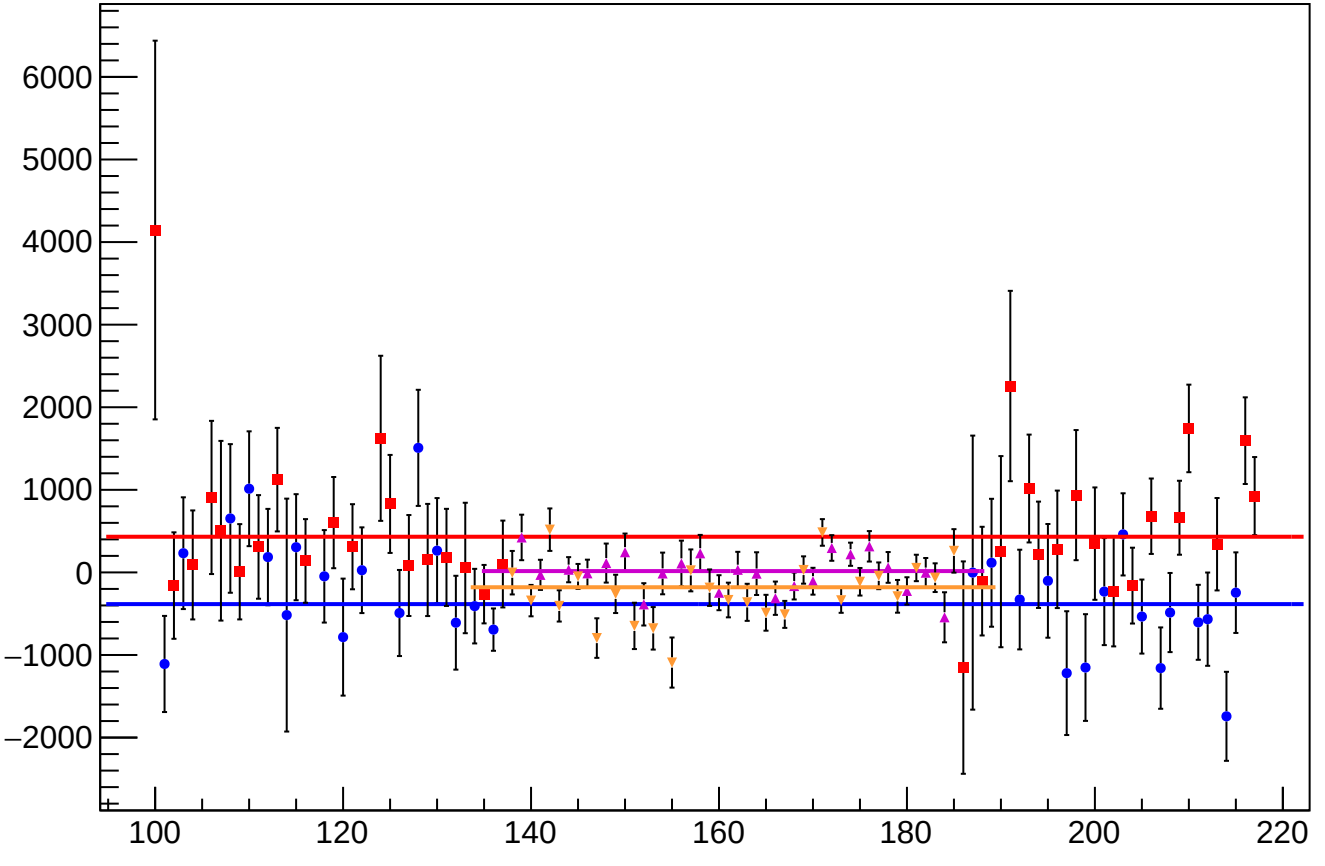
Right: 446.095+/-0.052 χ^2/NDF: 5874495.0/66

In: 207.252+/-0.027 χ^2/NDF:15504786.7/53

Out: 207.613+/-0.026 χ^2/NDF:17539631.1/60

All: 207.437+/-0.019 χ^2/NDF: 33044509.6/11

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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: 431.889+/-101.388 χ^2/NDF: 34.8/35

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

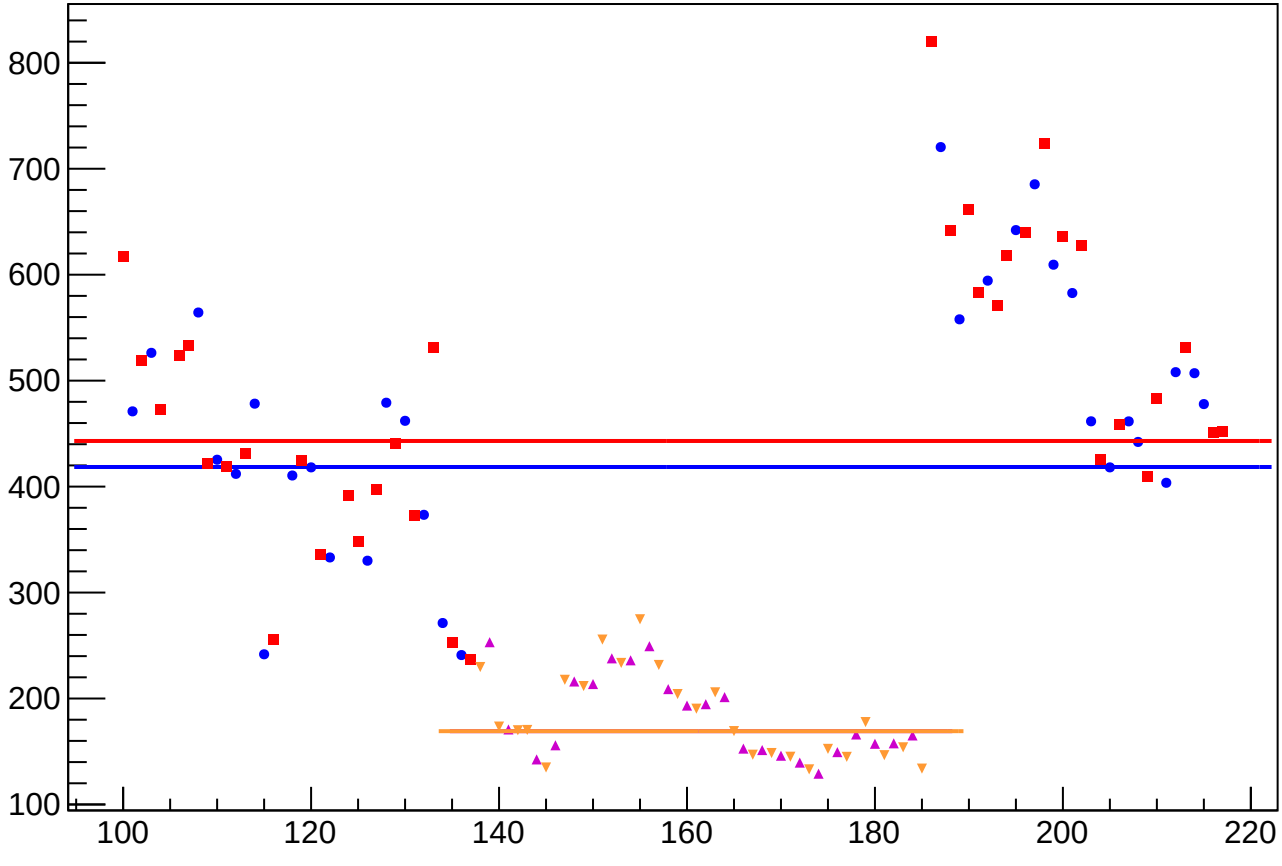
Right: 16.031+/-70.989 χ^2/NDF: 104.5/66

In: -40.610+/-37.425 χ^2/NDF:77.2/53

Out: -99.549+/-36.695 χ^2/NDF:133.5/60

All: -70.660+/-26.202 χ^2/NDF: 212.0/114

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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: 443.065+/-0.072 χ^2/NDF: 2932238.1/35

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

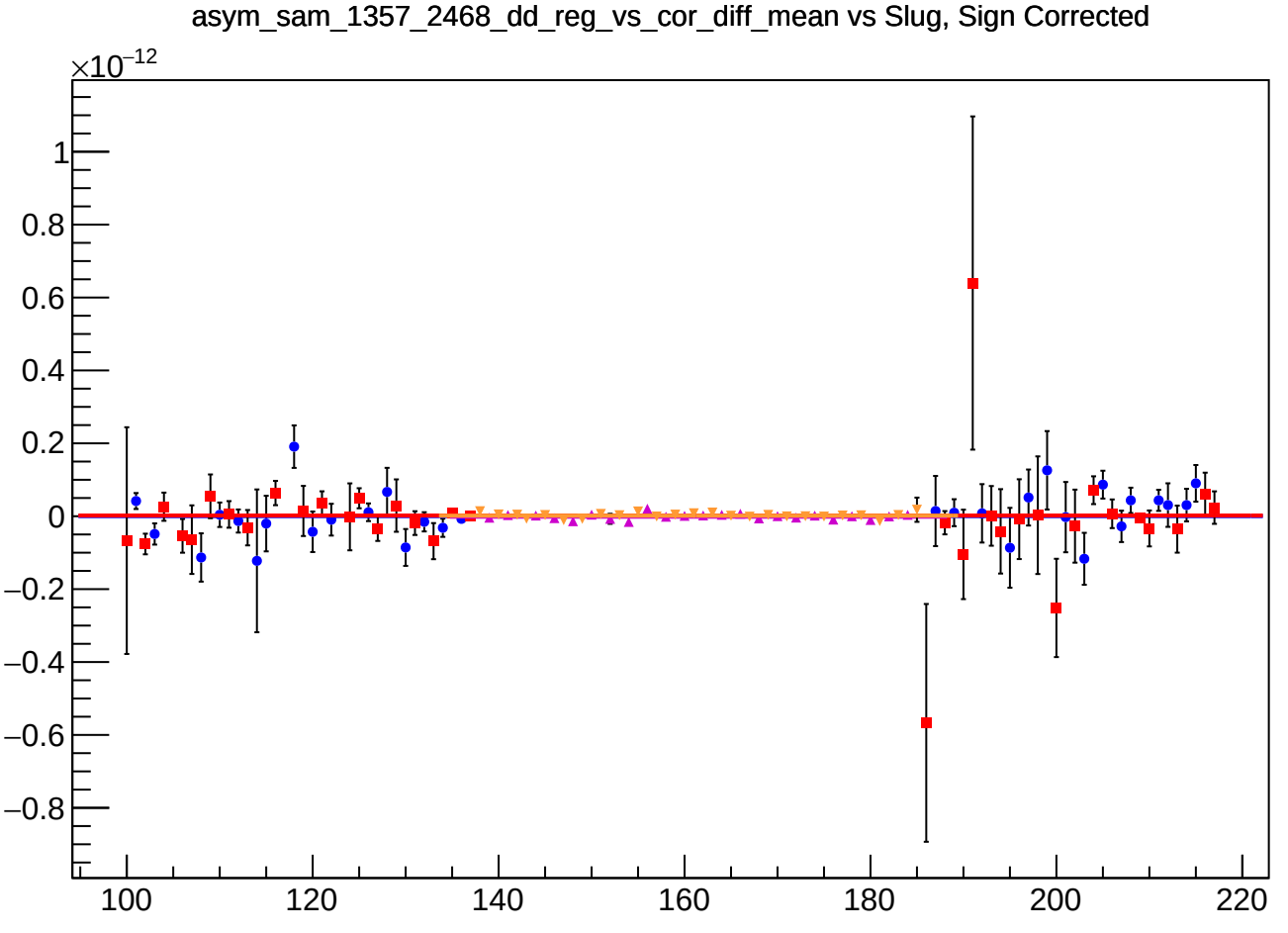
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 430.547+/-0.050 χ^2/NDF: 5827060.8/66

In: 204.511+/-0.026 χ^2/NDF:15003390.5/53

Out: 205.058+/-0.026 χ^2/NDF:17162814.2/60

All: 204.790+/-0.019 χ^2/NDF: 32166422.5/11



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: 38.9/35

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

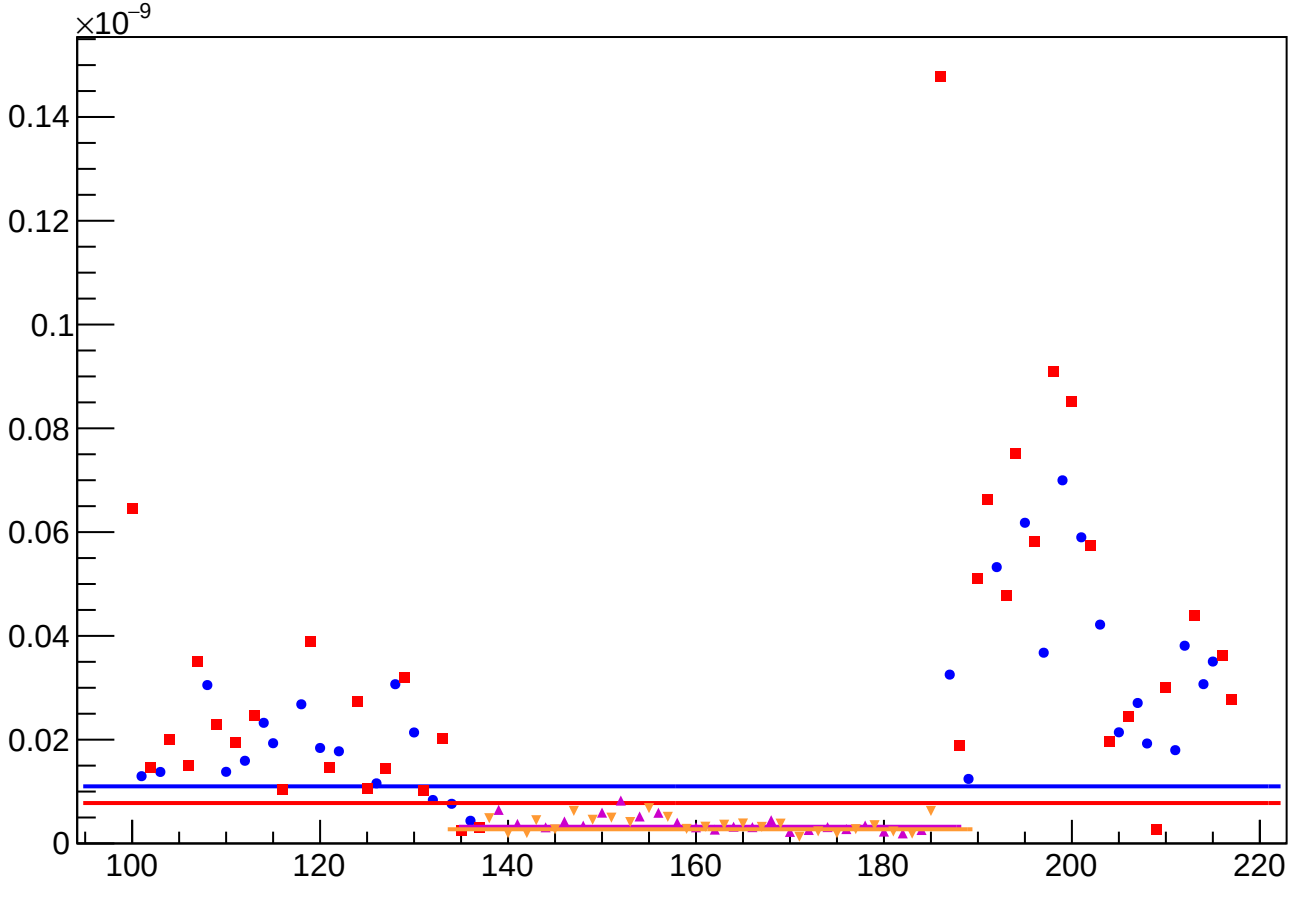
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 85.9/66

In: -0.000+/-0.000 χ^2/NDF:66.7/53

Out: 0.000+/-0.000 χ^2/NDF:57.7/60

All: 0.000+/-0.000 χ^2/NDF: 127.2/114



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: 10695245.0/35

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

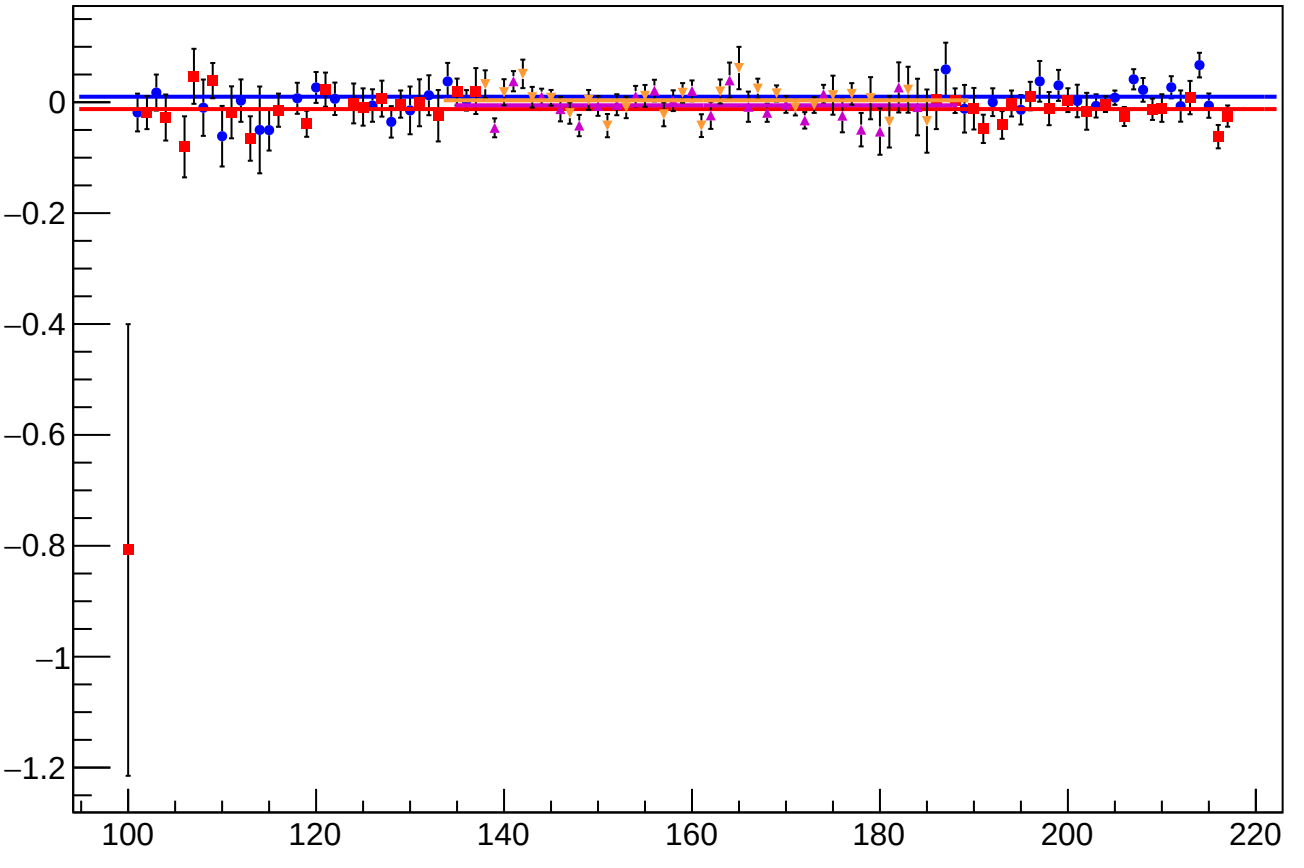
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18347654.4/66

In: 0.000+/-0.000 χ^2/NDF:12775312.1/53

Out: 0.000+/-0.000 χ^2/NDF:14963914.9/60

All: 0.000+/-0.000 χ^2/NDF: 28027203.2/114



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: 29.8/35

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

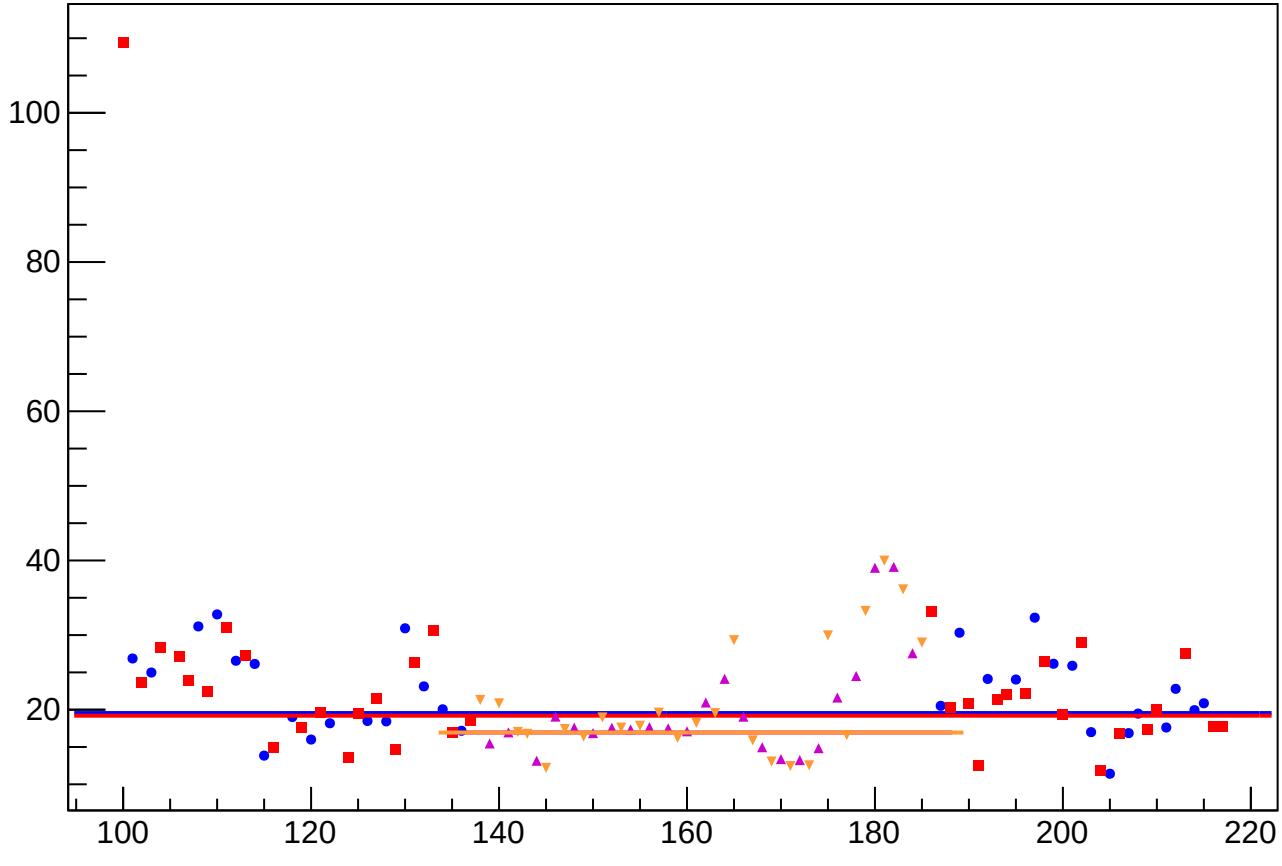
Right: -0.002+/-0.003 χ^2/NDF: 67.1/66

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.004+/-0.003 χ^2/NDF:63.4/60

All: -0.001+/-0.002 χ^2/NDF: 129.6/114

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: 19.197+/-0.003 χ^2/NDF: 2310288.3/35

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

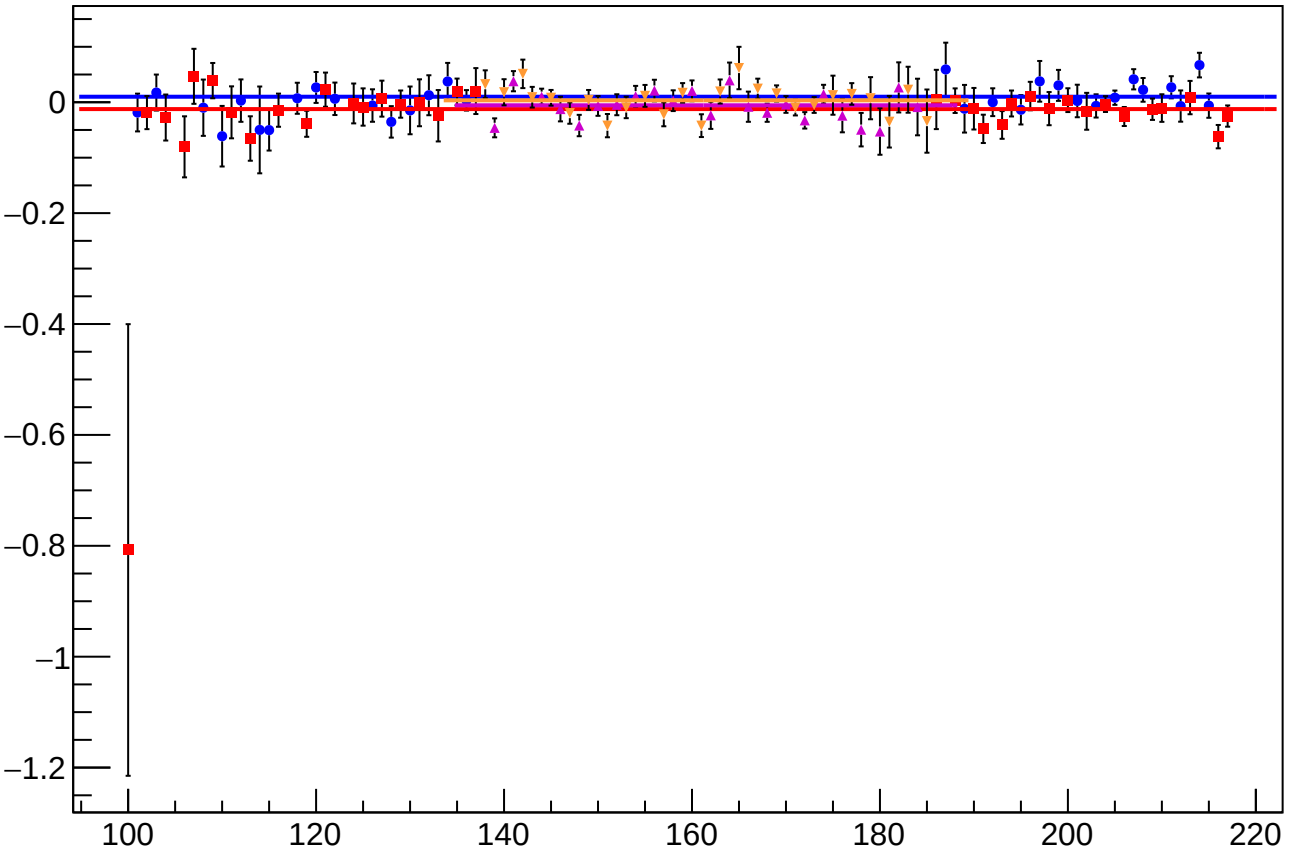
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.364+/-0.002 χ^2/NDF: 4671225.4/66

In: 18.078+/-0.002 χ^2/NDF:4633840.8/53

Out: 17.951+/-0.002 χ^2/NDF:5420390.9/60

All: 18.012+/-0.002 χ^2/NDF: 10055902.6/114



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: 29.8/35

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

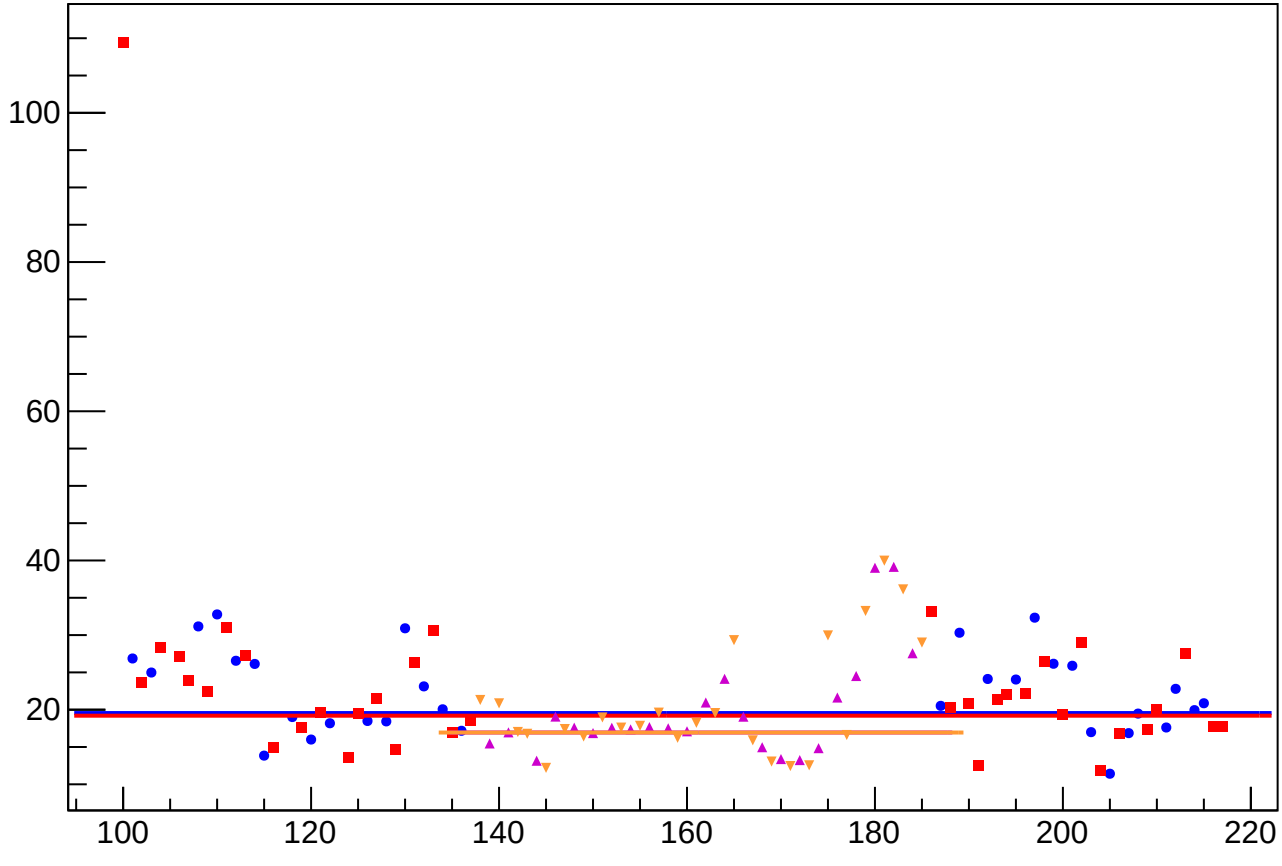
Right: -0.002+/-0.003 χ^2/NDF: 67.1/66

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.004+/-0.003 χ^2/NDF:63.4/60

All: -0.001+/-0.002 χ^2/NDF: 129.6/114

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: 19.197+/-0.003 χ^2/NDF: 2310288.3/35

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

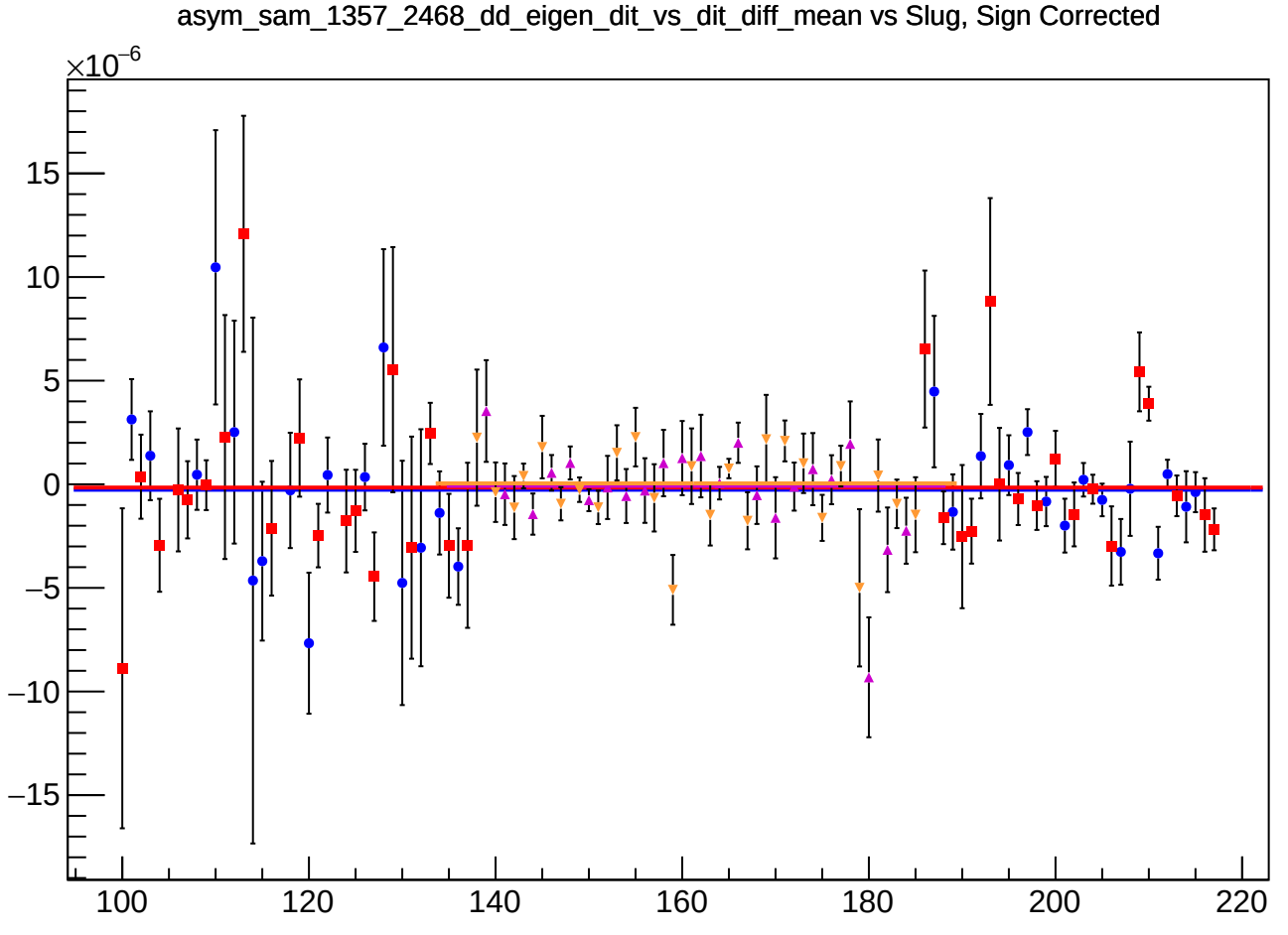
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.364+/-0.002 χ^2/NDF: 4671225.4/66

In: 18.078+/-0.002 χ^2/NDF:4633840.8/53

Out: 17.951+/-0.002 χ^2/NDF:5420390.9/60

All: 18.012+/-0.002 χ^2/NDF: 10055902.6/114



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: 74.5/35

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

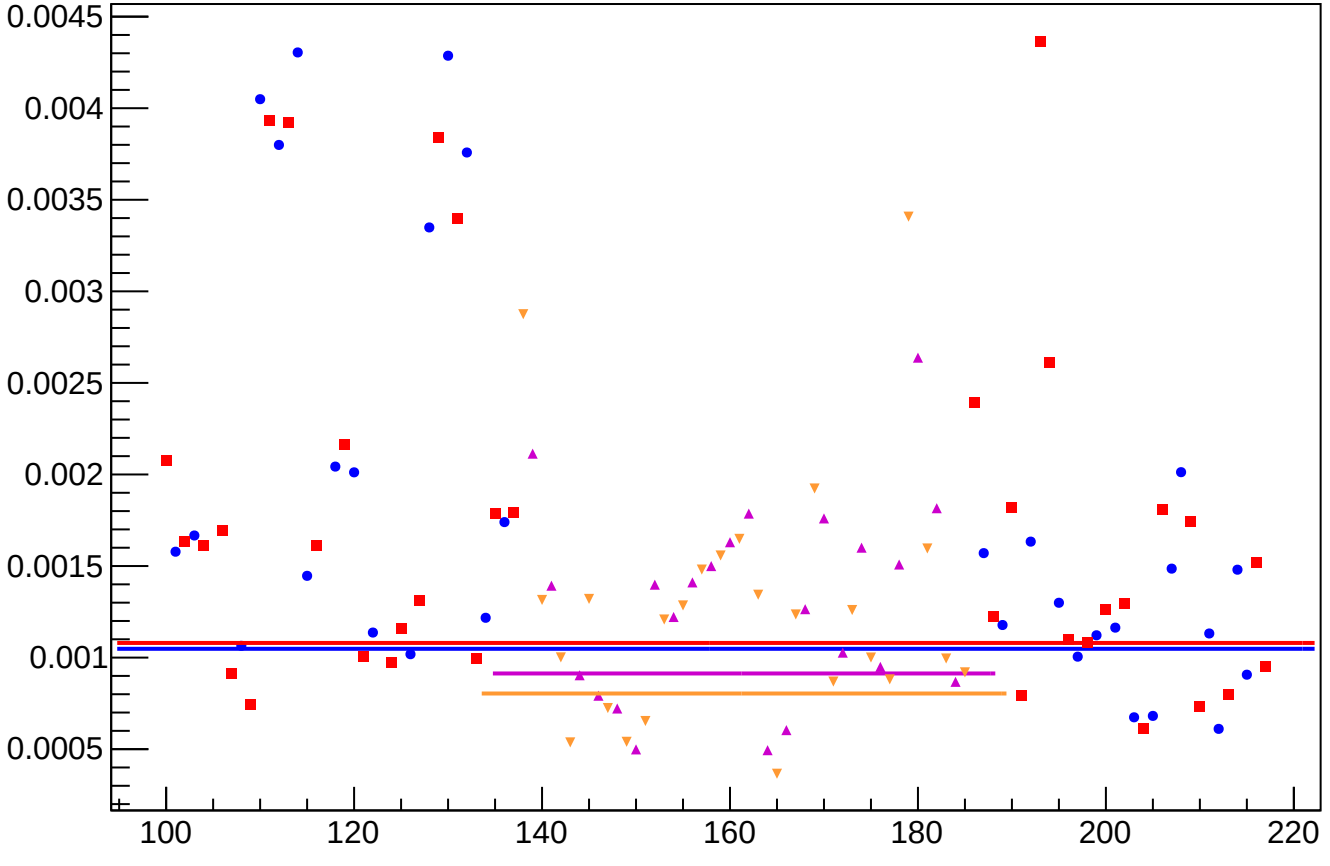
Right: -0.000+/-0.000 χ^2/NDF: 117.6/66

In: -0.000+/-0.000 χ^2/NDF:74.3/53

Out: -0.000+/-0.000 χ^2/NDF:112.0/60

All: -0.000+/-0.000 χ^2/NDF: 186.6/114

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: 7041132.2/35

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

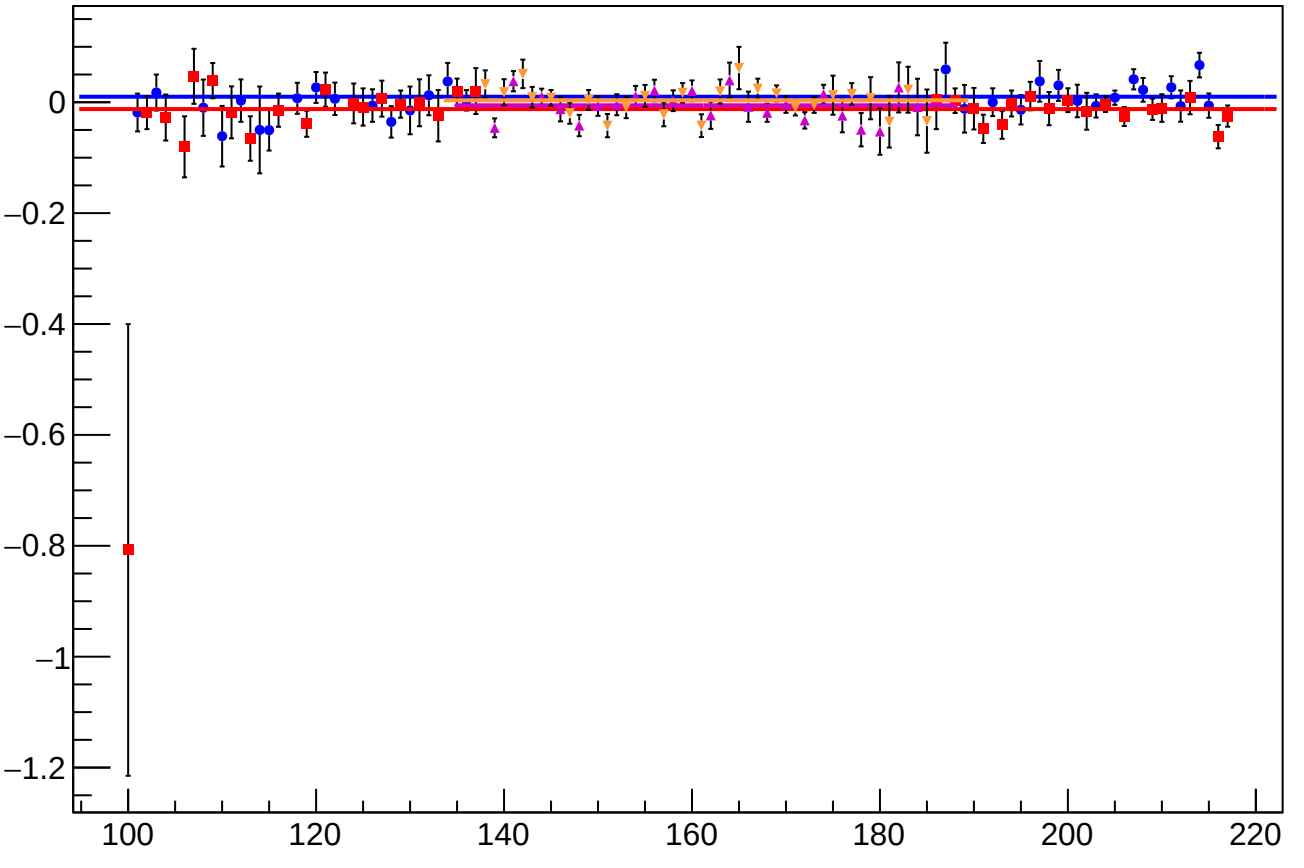
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 13351323.5/66

In: 0.001+/-0.000 χ^2/NDF:13014985.2/53

Out: 0.001+/-0.000 χ^2/NDF:16611744.0/60

All: 0.001+/-0.000 χ^2/NDF: 29771339.7/114



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: 29.8/35

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

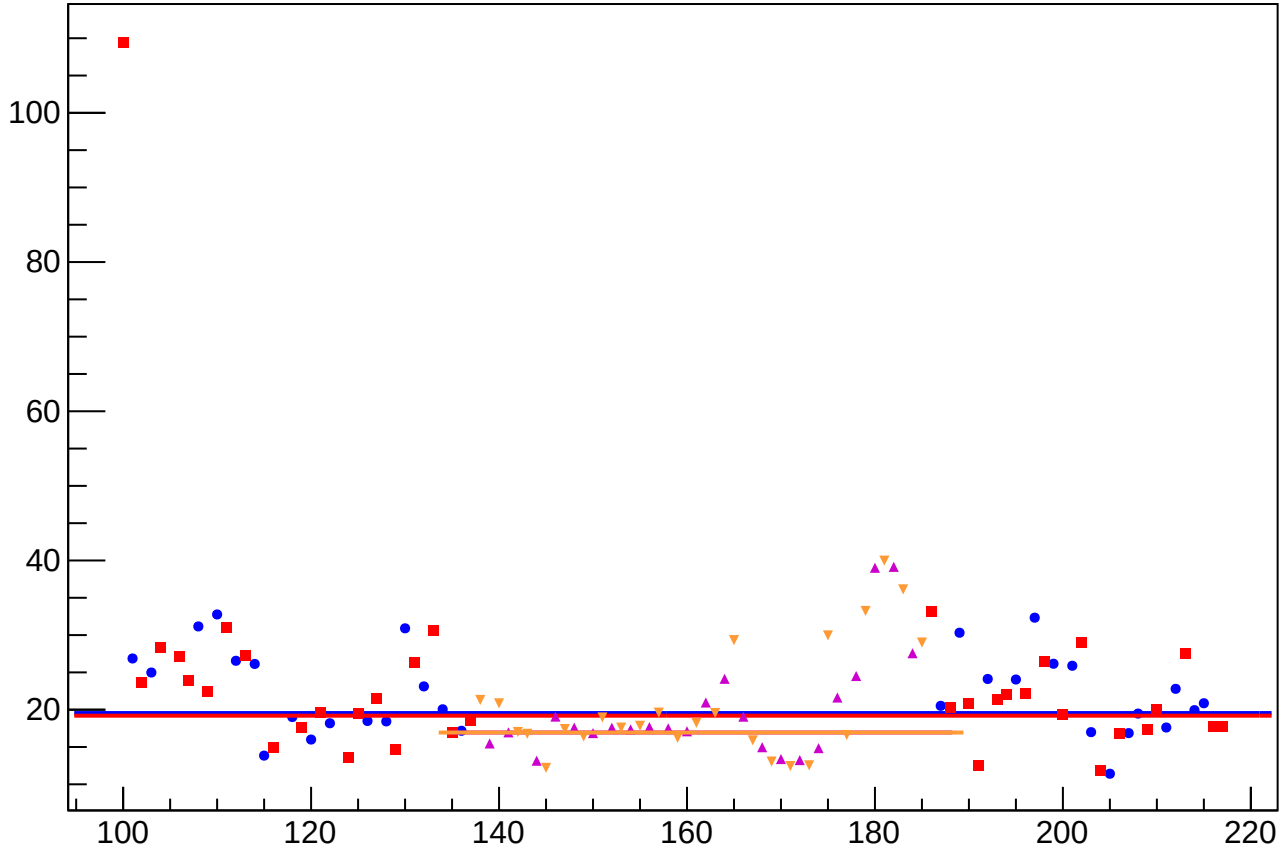
Right: -0.002+/-0.003 χ^2/NDF: 67.1/66

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.004+/-0.003 χ^2/NDF:63.4/60

All: -0.001+/-0.002 χ^2/NDF: 129.6/114

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: 19.197+/-0.003 χ^2/NDF: 2310261.0/35

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

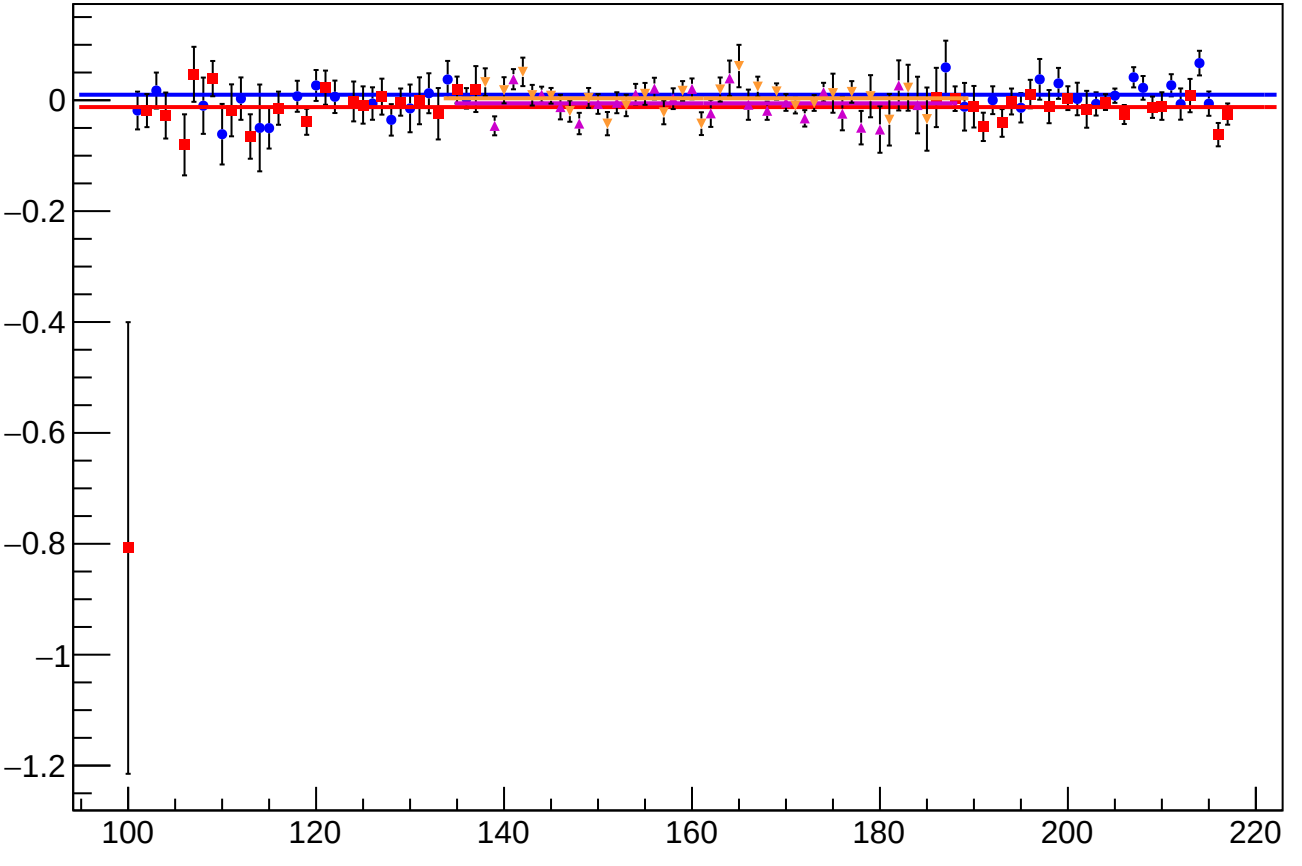
Right: 19.364+/-0.002 χ^2/NDF: 4671210.8/66

In: 18.078+/-0.002 χ^2/NDF:4633765.0/53

Out: 17.951+/-0.002 χ^2/NDF:5420301.0/60

All: 18.012+/-0.002 χ^2/NDF: 10055733.8/114

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: 29.8/35

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

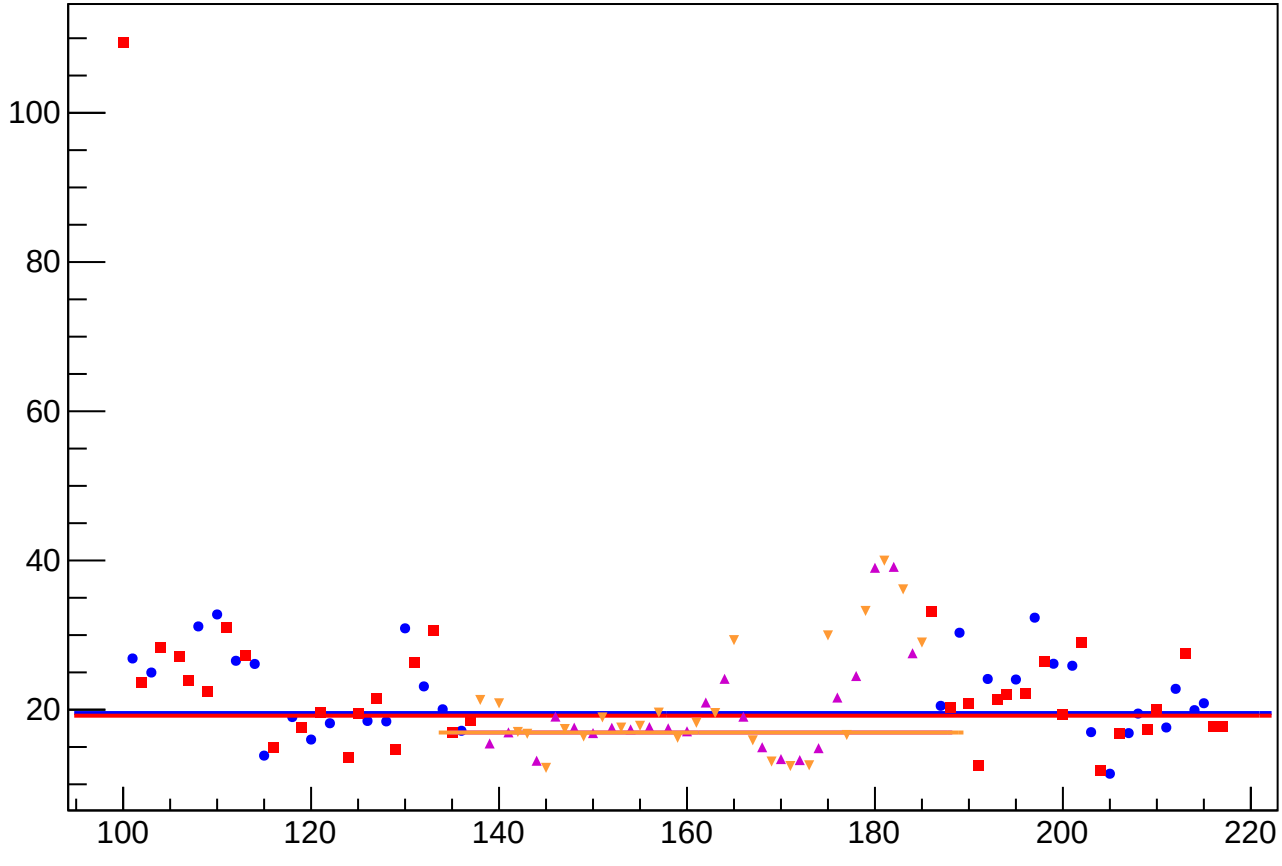
Right: -0.002+/-0.003 χ^2/NDF: 67.1/66

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.004+/-0.003 χ^2/NDF:63.4/60

All: -0.001+/-0.002 χ^2/NDF: 129.6/114

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: 19.197+/-0.003 χ^2/NDF: 2310261.0/35

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

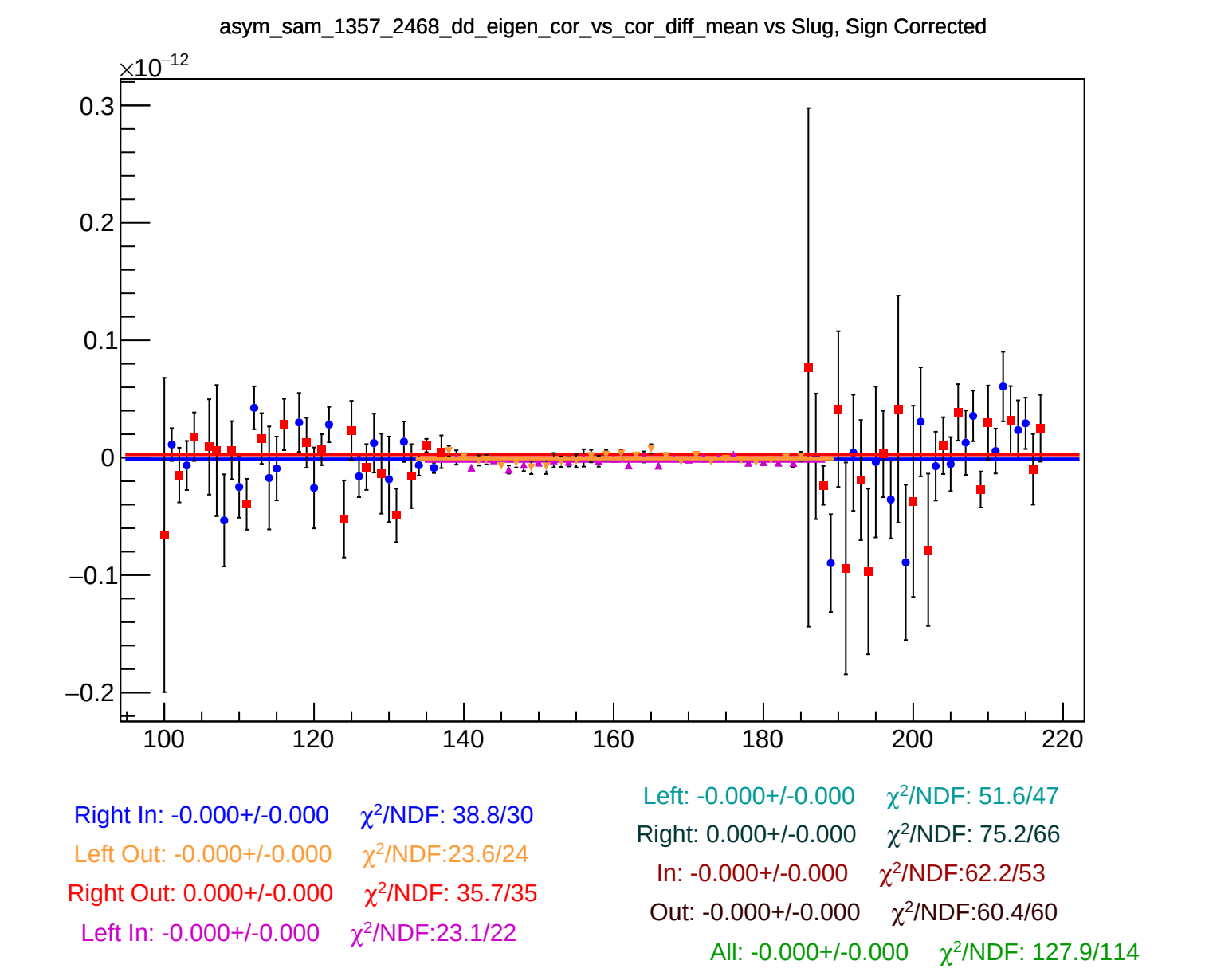
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

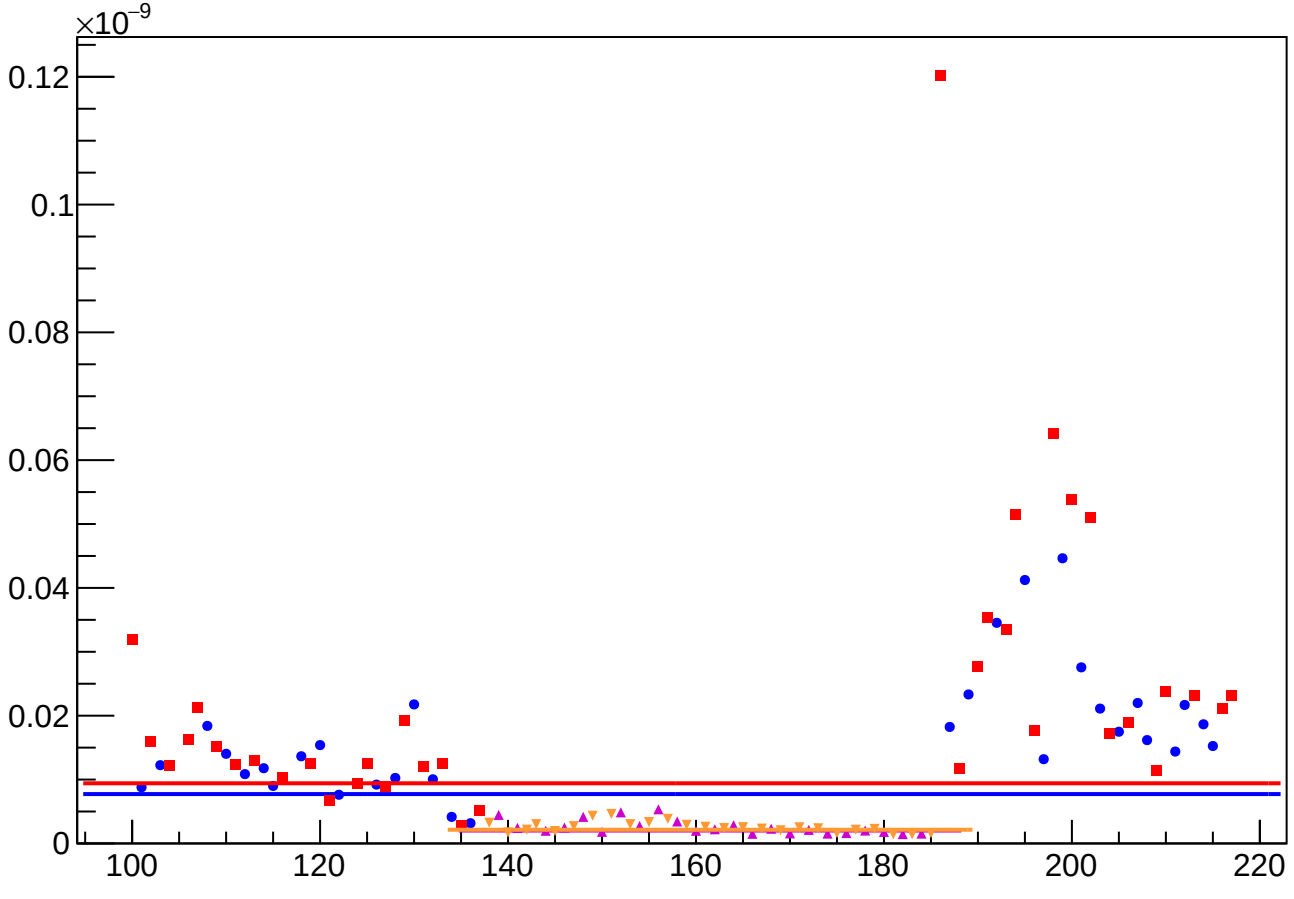
Right: 19.364+/-0.002 χ^2/NDF: 4671210.8/66

In: 18.078+/-0.002 χ^2/NDF:4633765.0/53

Out: 17.951+/-0.002 χ^2/NDF:5420301.0/60

All: 18.012+/-0.002 χ^2/NDF: 10055733.8/114


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: 35.7/35
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: 75.2/66
In: -0.000+/-0.000 χ²/NDF:62.2/53
Out: -0.000+/-0.000 χ²/NDF:60.4/60
All: -0.000+/-0.000 χ²/NDF: 127.9/114



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: 10240972.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

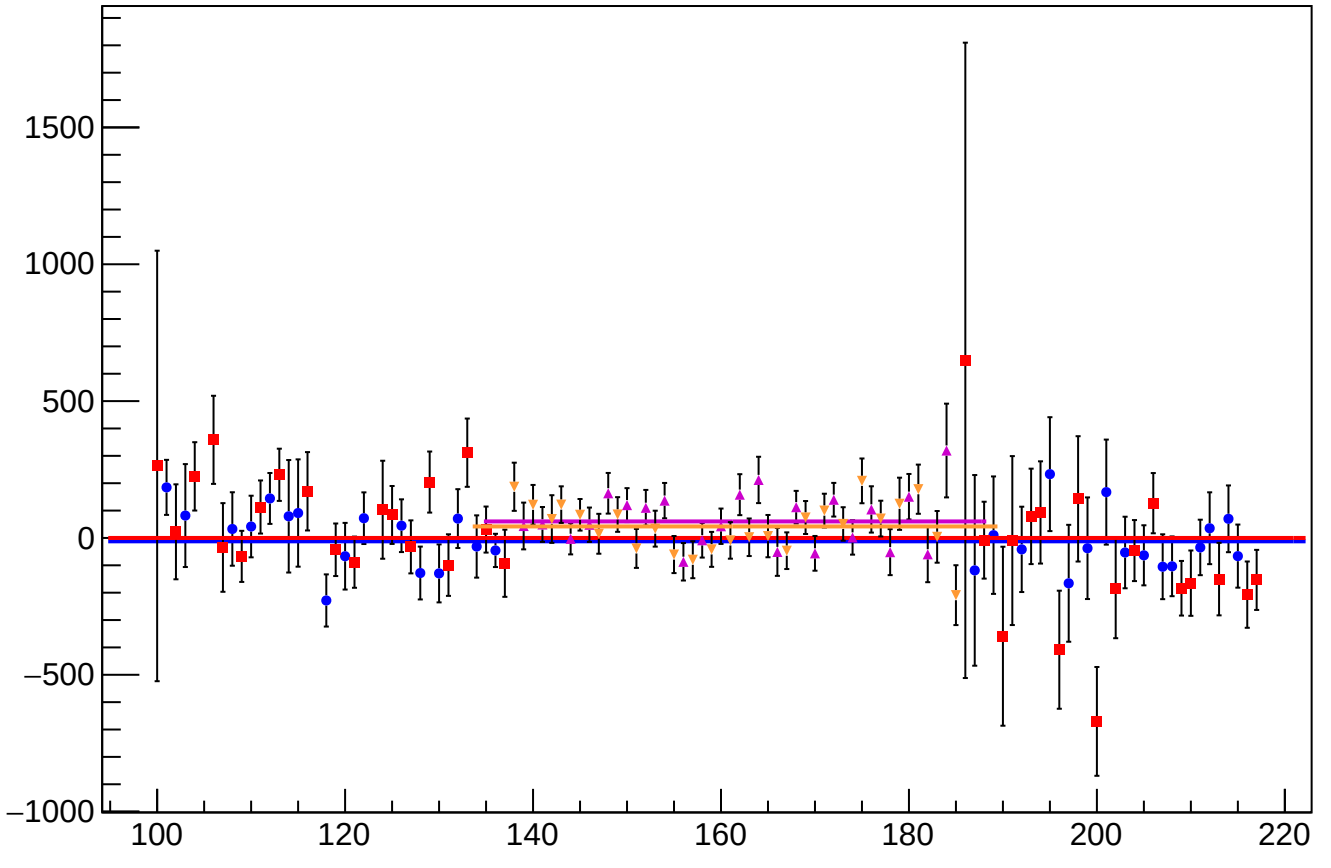
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 19456569.3/66

In: 0.000+/-0.000 χ^2/NDF:18271952.8/53

Out: 0.000+/-0.000 χ^2/NDF:21111803.2/60

All: 0.000+/-0.000 χ^2/NDF: 39421879.6/114



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: -0.035+/-21.285 χ^2/NDF: 62.1/35

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

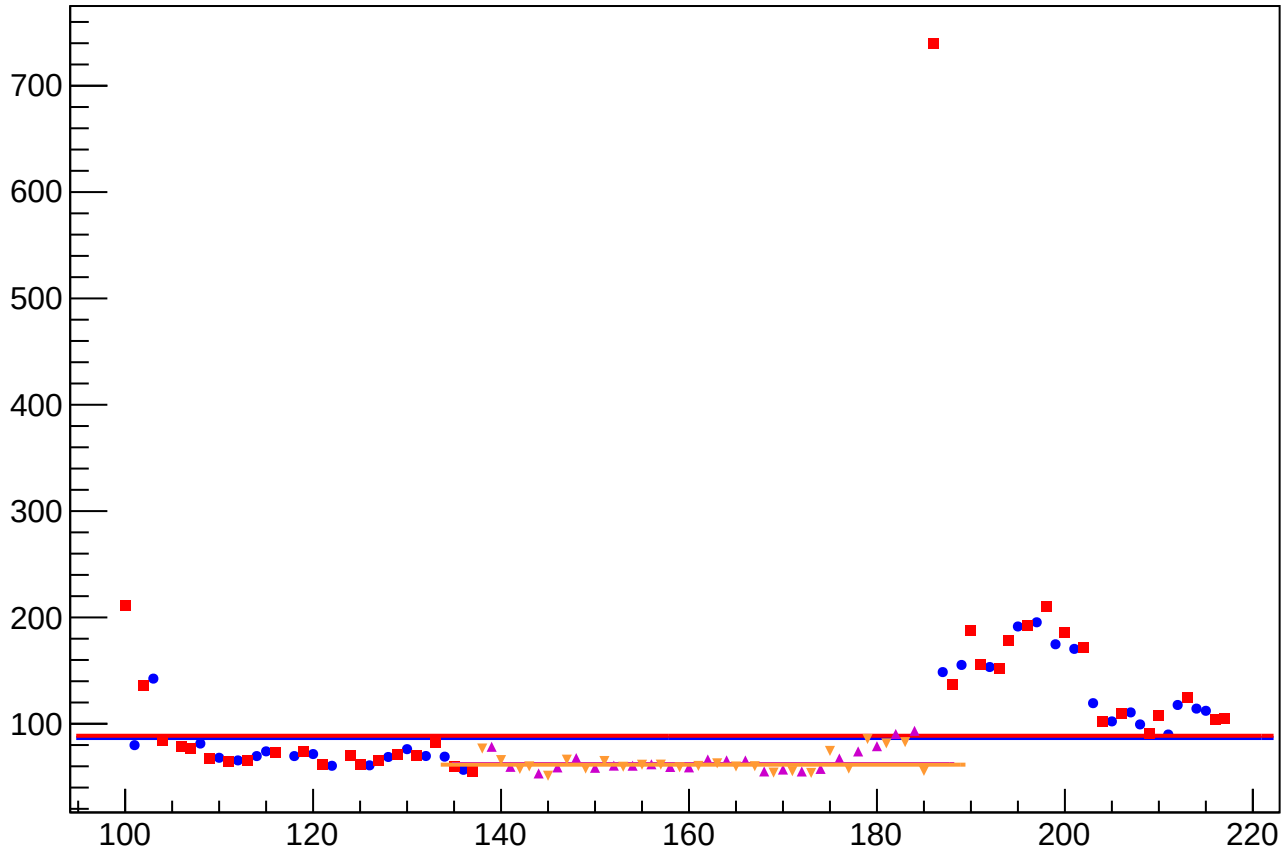
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -6.217+/-15.026 χ^2/NDF: 85.5/66

In: 36.751+/-12.090 χ^2/NDF:63.4/53

Out: 29.086+/-11.802 χ^2/NDF:96.8/60

All: 32.826+/-8.445 χ^2/NDF: 160.4/114



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: 88.737+/-0.015 χ^2/NDF: 5718410.6/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

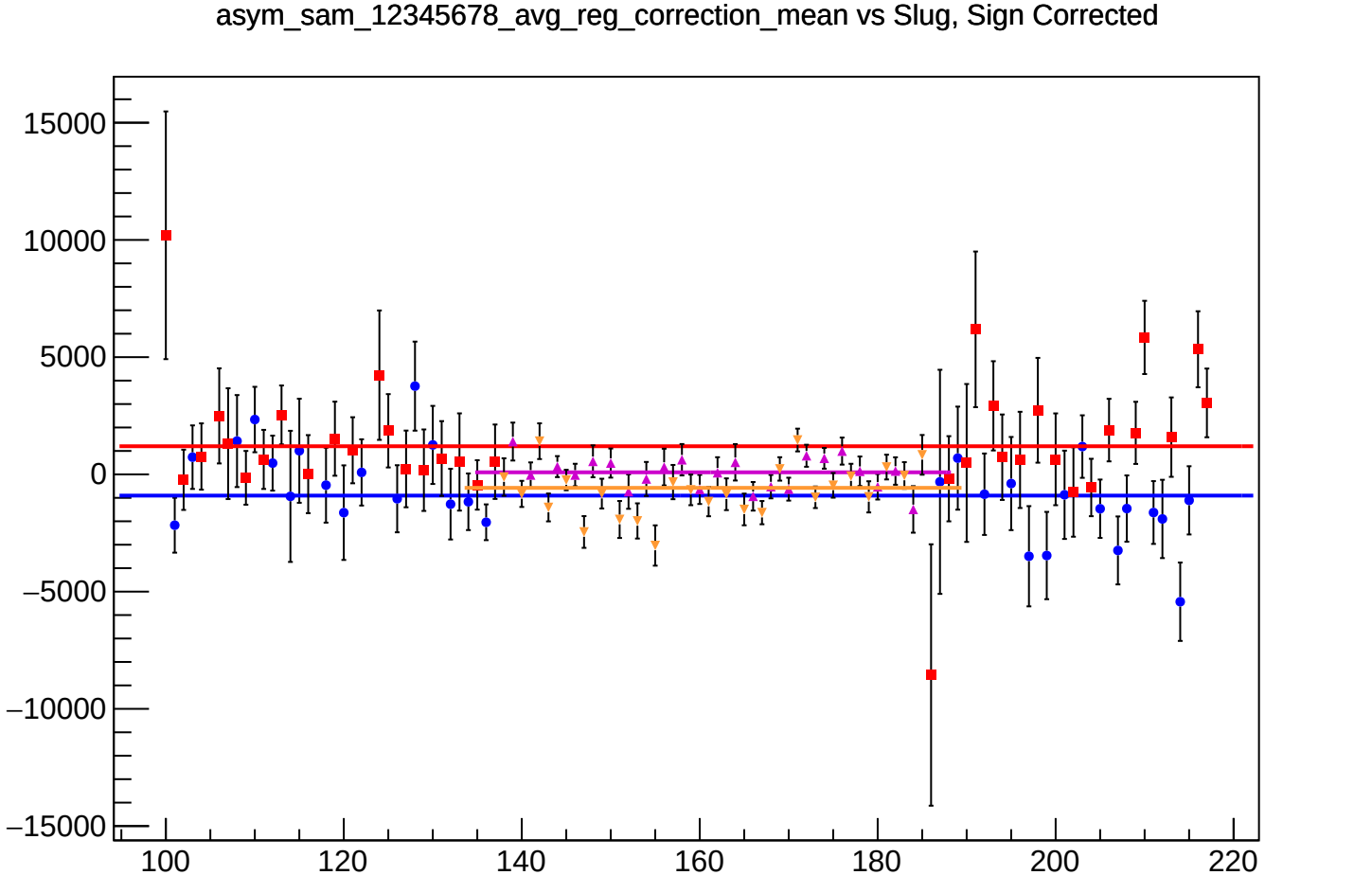
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 87.658+/-0.011 χ^2/NDF: 10242089.2/66

In: 70.083+/-0.009 χ^2/NDF:6902605.0/53

Out: 69.904+/-0.008 χ^2/NDF:8617047.5/60

All: 69.991+/-0.006 χ^2/NDF: 15519877.9/114



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: 1200.347+/-272.268 χ^2/NDF: 40.8/35

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

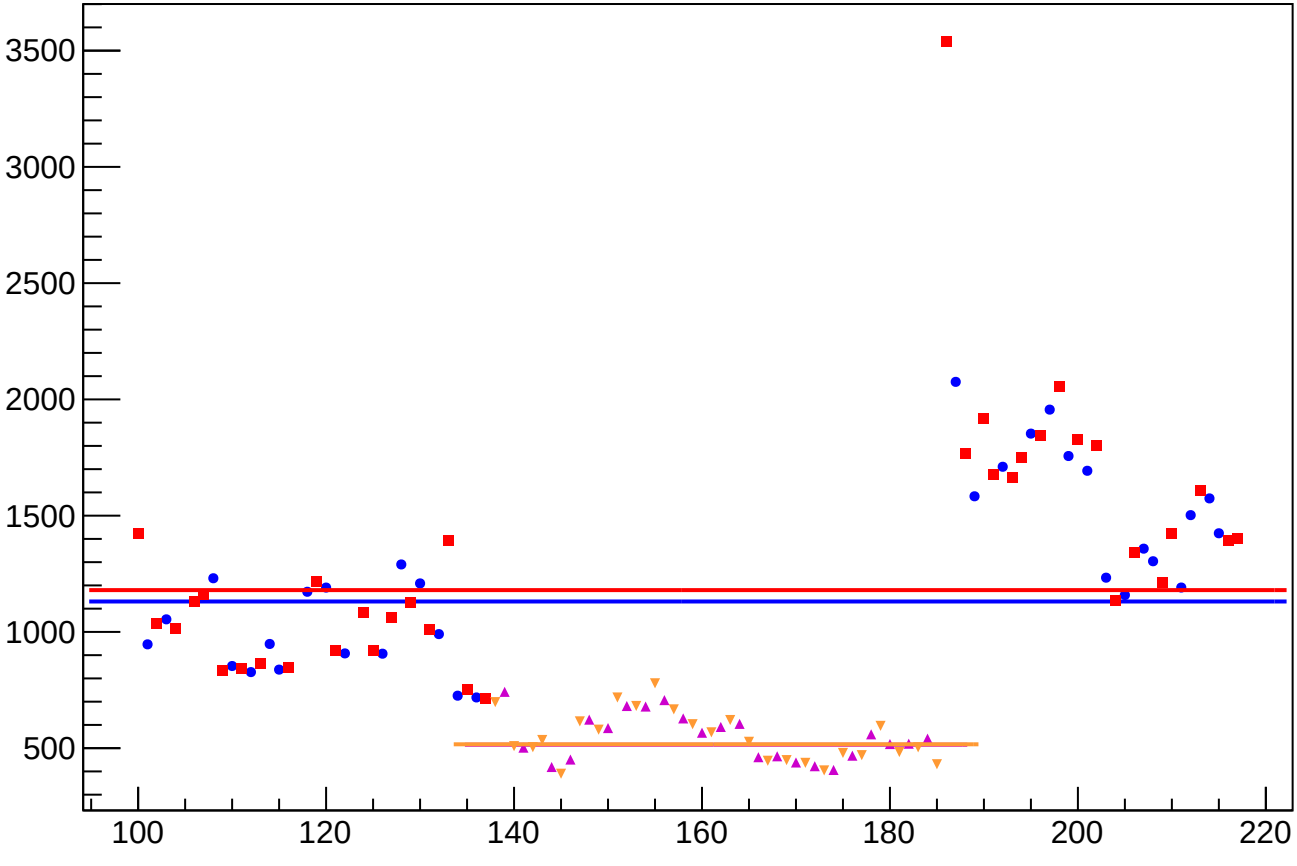
Right: 136.988+/-191.525 χ^2/NDF: 110.8/66

In: -81.707+/-111.512 χ^2/NDF:75.6/53

Out: -287.138+/-109.605 χ^2/NDF:145.3/60

All: -186.193+/-78.168 χ^2/NDF: 222.6/114

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: 1179.788+/-0.193 χ^2/NDF: 3551956.1/35

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

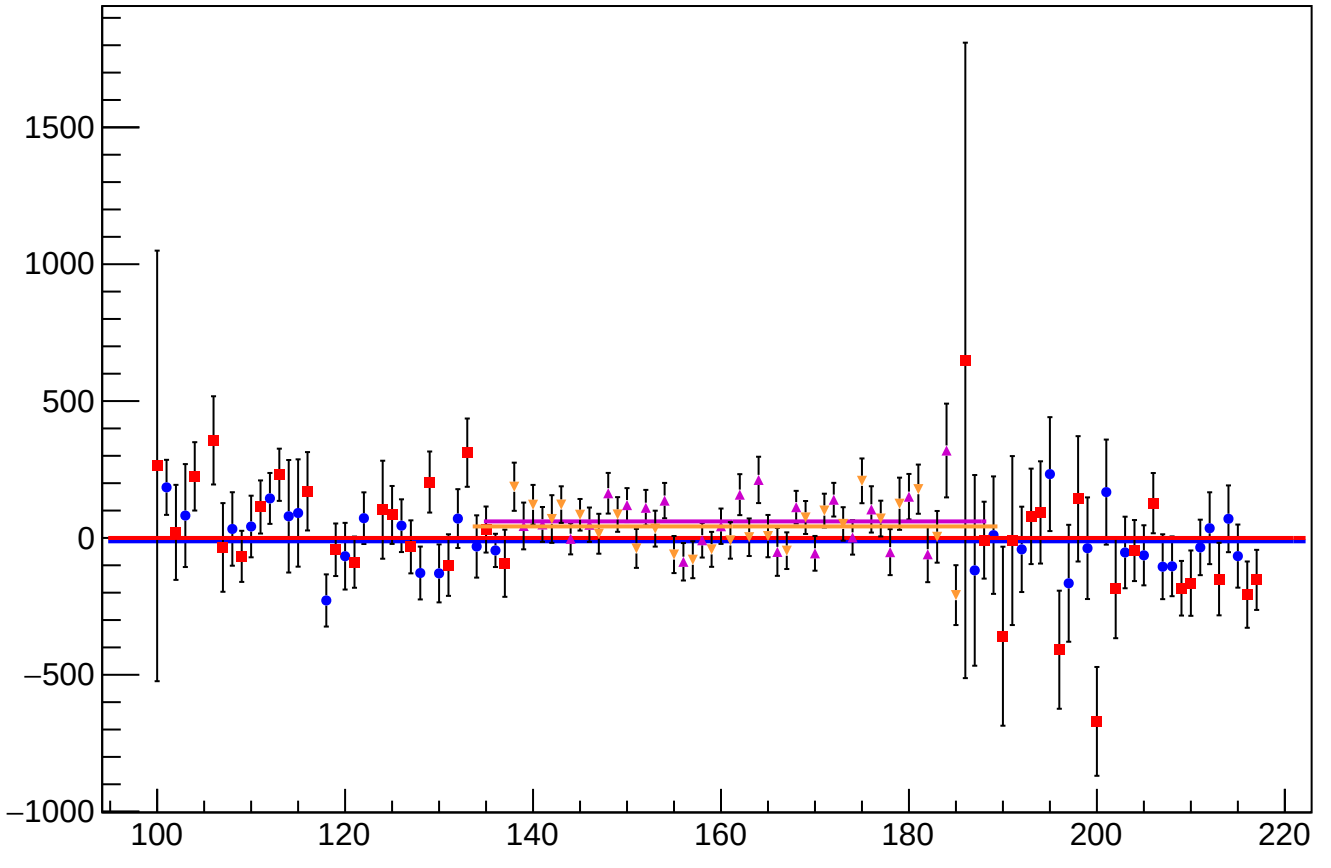
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1155.075+/-0.135 χ^2/NDF: 6619825.4/66

In: 620.285+/-0.079 χ^2/NDF:12819766.4/53

Out: 624.105+/-0.078 χ^2/NDF:14759204.1/60

All: 622.228+/-0.055 χ^2/NDF: 27580164.1/11



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: -0.115+/-21.286 χ^2/NDF: 62.0/35

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

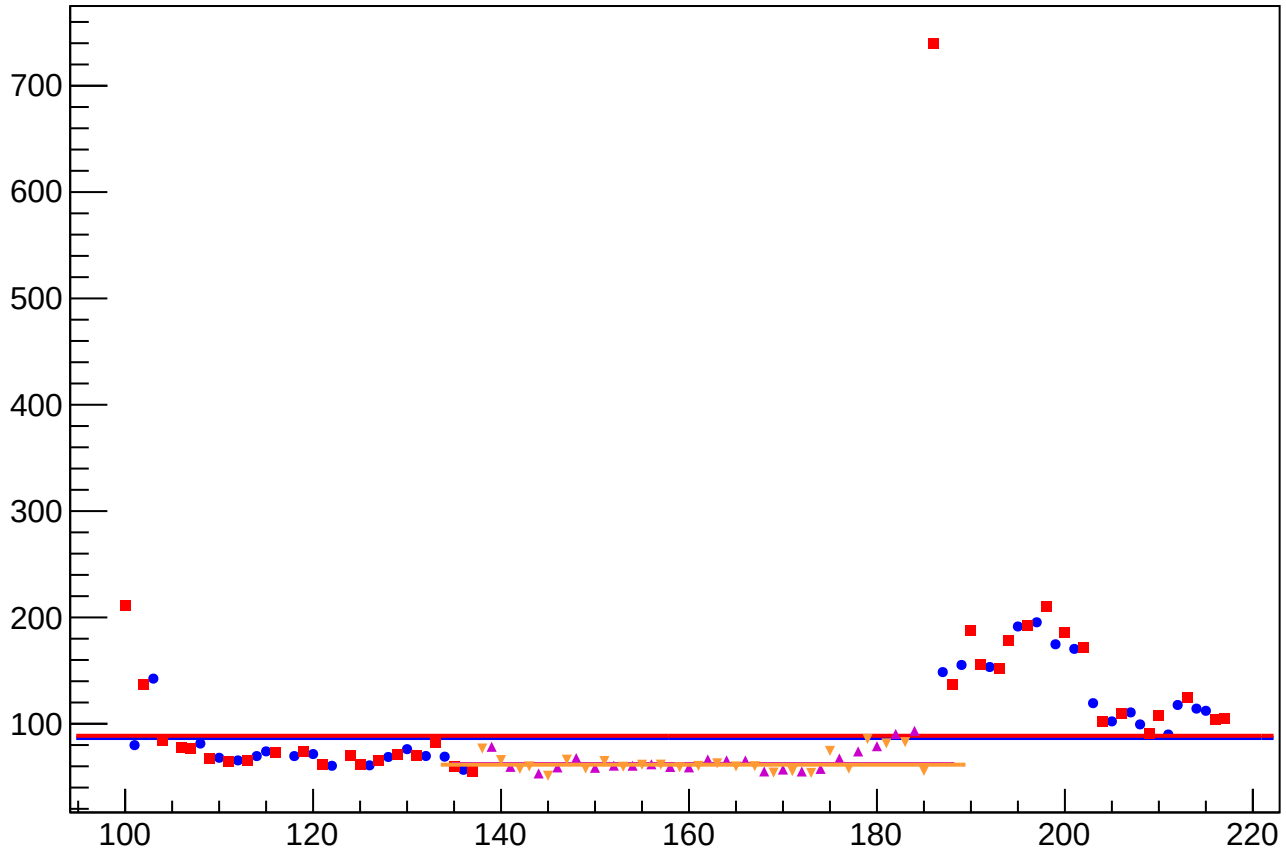
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -6.260+/-15.026 χ^2/NDF: 85.4/66

In: 36.749+/-12.090 χ^2/NDF:63.4/53

Out: 29.066+/-11.802 χ^2/NDF:96.7/60

All: 32.815+/-8.445 χ^2/NDF: 160.3/114



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: 88.726+/-0.015 χ^2/NDF: 5719826.7/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

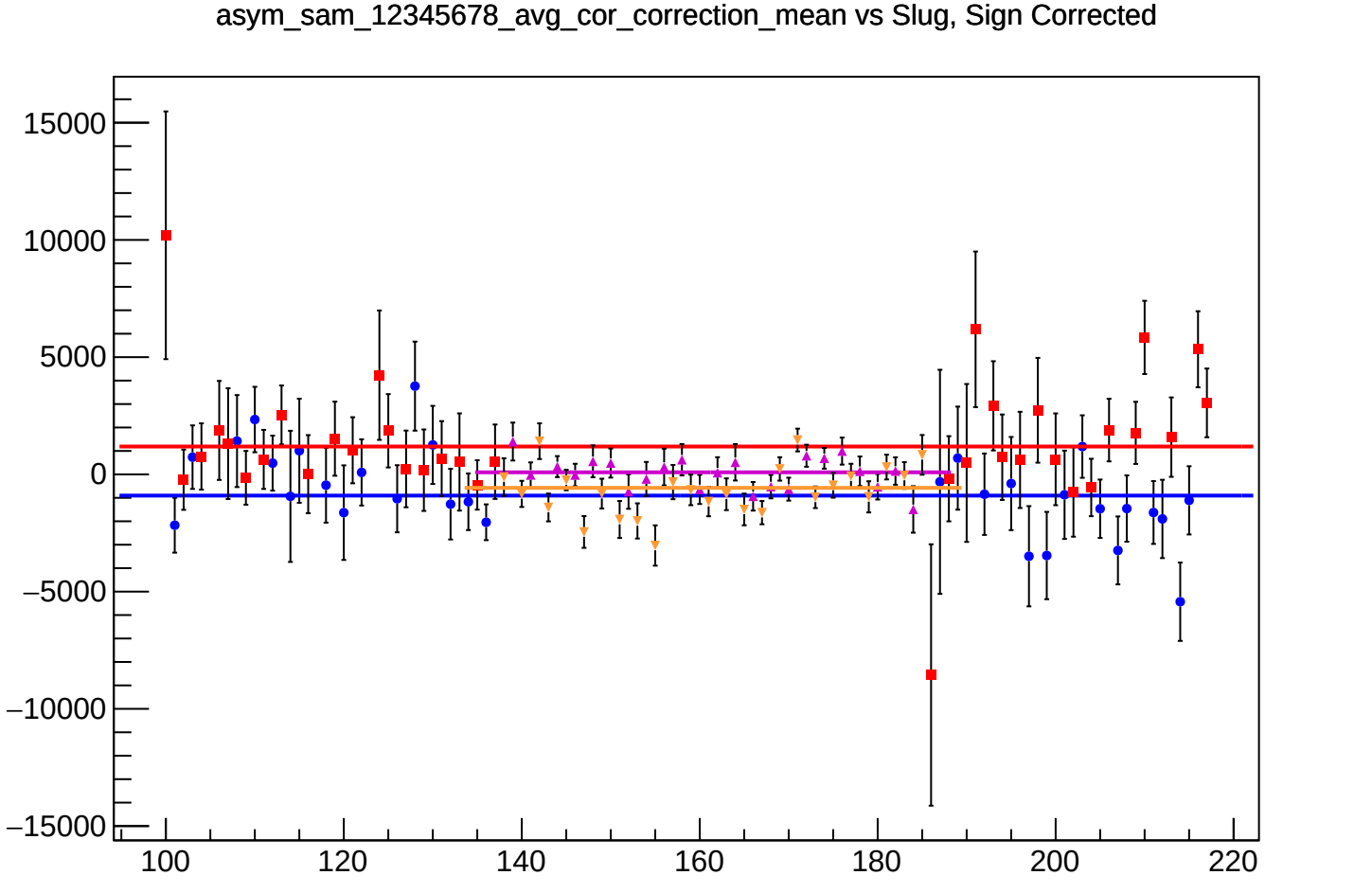
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 87.652+/-0.011 χ^2/NDF: 10243398.4/66

In: 70.083+/-0.009 χ^2/NDF:6902608.1/53

Out: 69.900+/-0.008 χ^2/NDF:8616464.8/60

All: 69.989+/-0.006 χ^2/NDF: 15519308.1/114



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: 1188.540+/-272.468 χ^2/NDF: 40.5/35

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

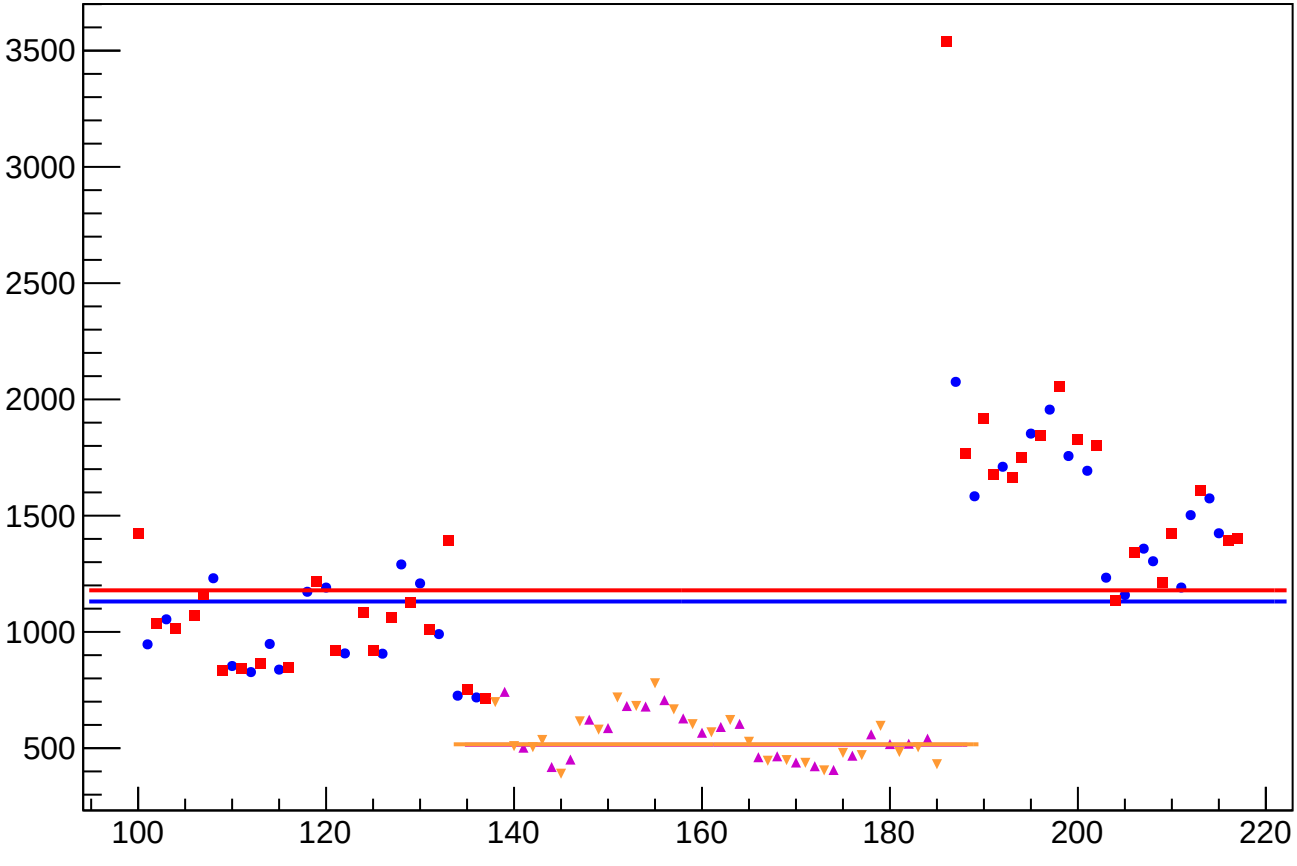
Right: 130.389+/-191.595 χ^2/NDF: 110.1/66

In: -81.704+/-111.512 χ^2/NDF:75.6/53

Out: -289.397+/-109.618 χ^2/NDF:144.4/60

All: -187.329+/-78.173 χ^2/NDF: 221.8/114

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: 1178.855+/-0.193 χ^2/NDF: 3555987.3/35

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

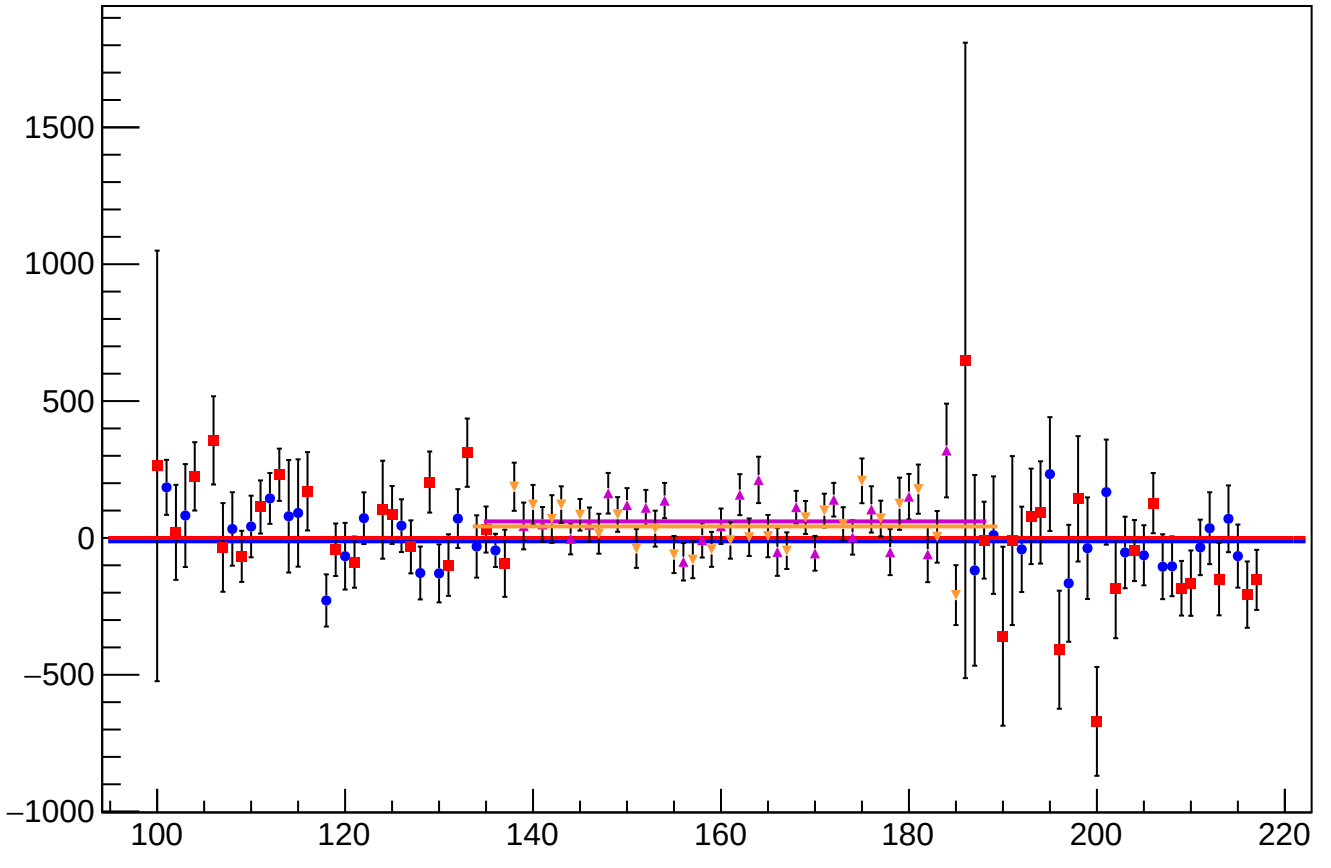
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1154.598+/-0.135 χ^2/NDF: 6622586.2/66

In: 620.285+/-0.079 χ^2/NDF:12819807.7/53

Out: 623.821+/-0.078 χ^2/NDF:14723100.9/60

All: 622.084+/-0.055 χ^2/NDF: 27543931.5/11



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: -0.115+/-21.286 χ^2/NDF: 62.0/35

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

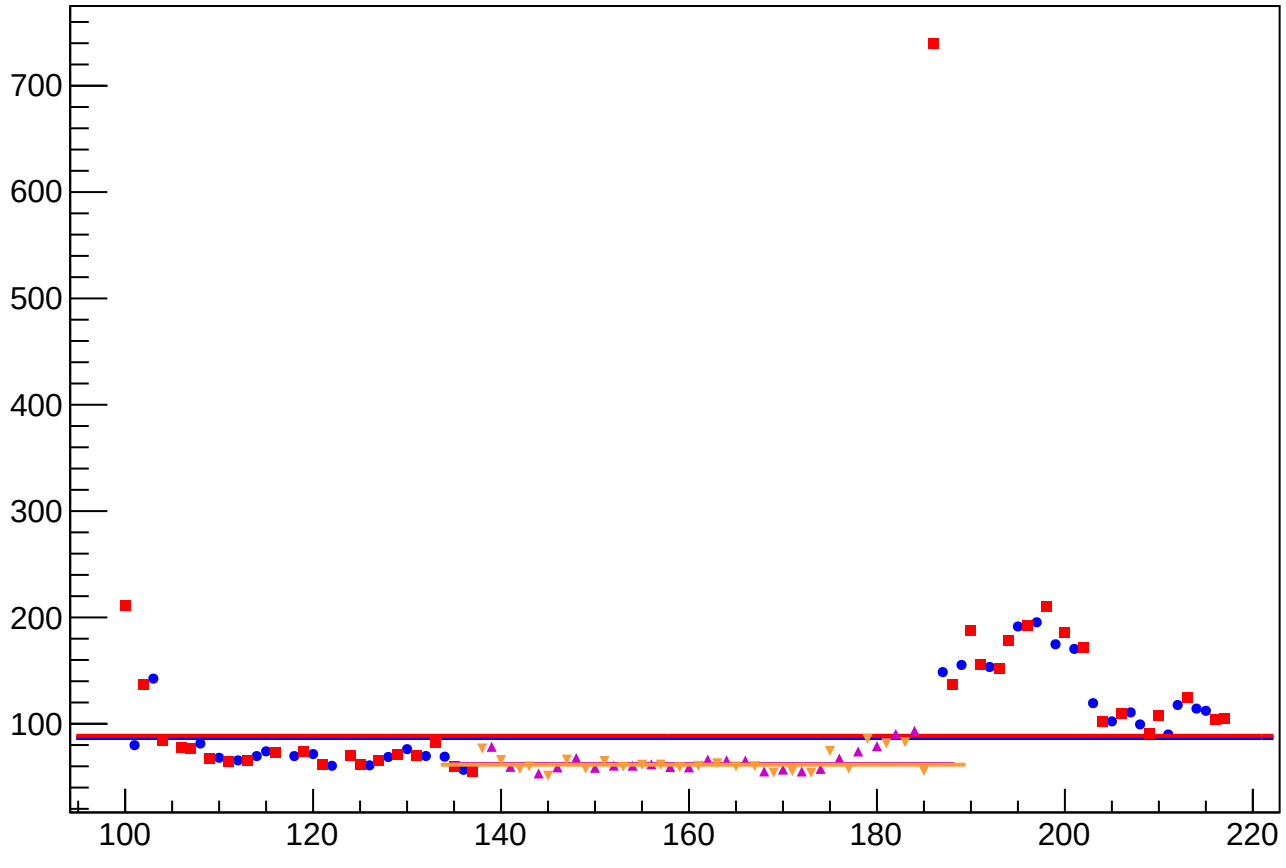
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -6.260+/-15.026 χ^2/NDF: 85.4/66

In: 36.749+/-12.090 χ^2/NDF:63.4/53

Out: 29.066+/-11.802 χ^2/NDF:96.7/60

All: 32.815+/-8.445 χ^2/NDF: 160.3/114



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: 88.726+/-0.015 χ^2/NDF: 5719826.7/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

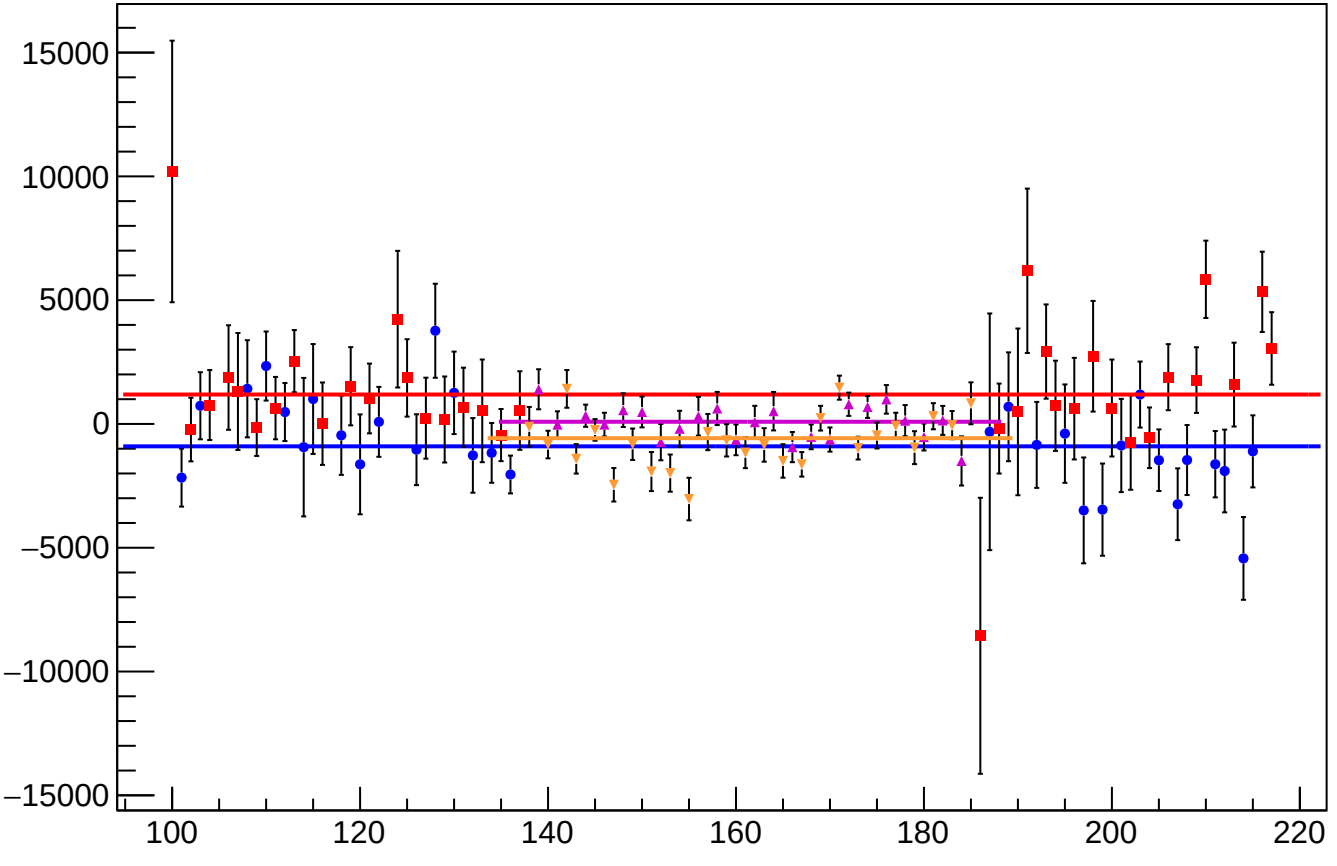
Right: 87.652+/-0.011 χ^2/NDF: 10243398.4/66

In: 70.083+/-0.009 χ^2/NDF:6902608.1/53

Out: 69.900+/-0.008 χ^2/NDF:8616464.8/60

All: 69.989+/-0.006 χ^2/NDF: 15519308.1/114

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: 1188.540+/-272.468 χ^2/NDF: 40.5/35

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

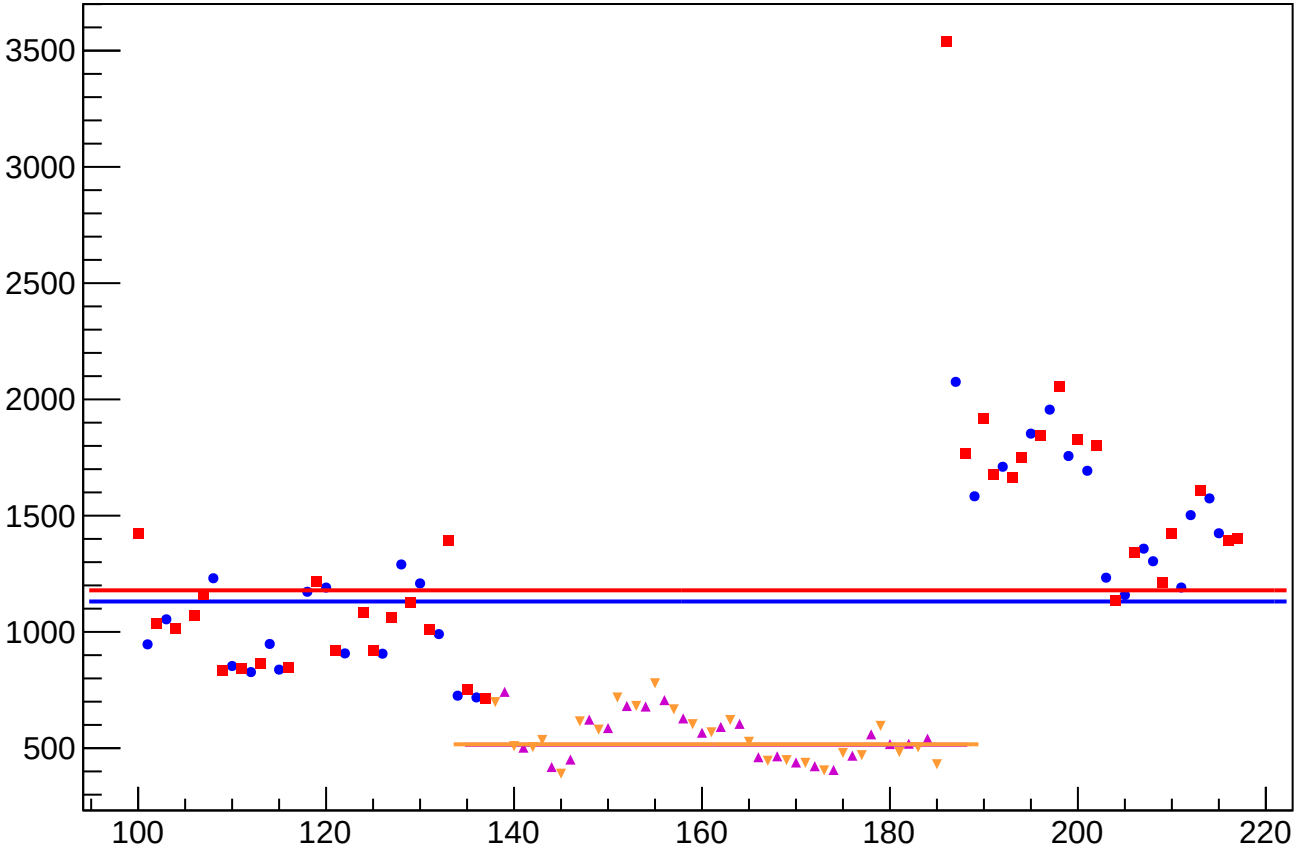
Right: 130.389+/-191.595 χ^2/NDF: 110.1/66

In: -81.704+/-111.512 χ^2/NDF:75.6/53

Out: -289.397+/-109.618 χ^2/NDF:144.4/60

All: -187.329+/-78.173 χ^2/NDF: 221.8/114

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: 1178.855+/-0.193 χ^2/NDF: 3555987.3/35

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

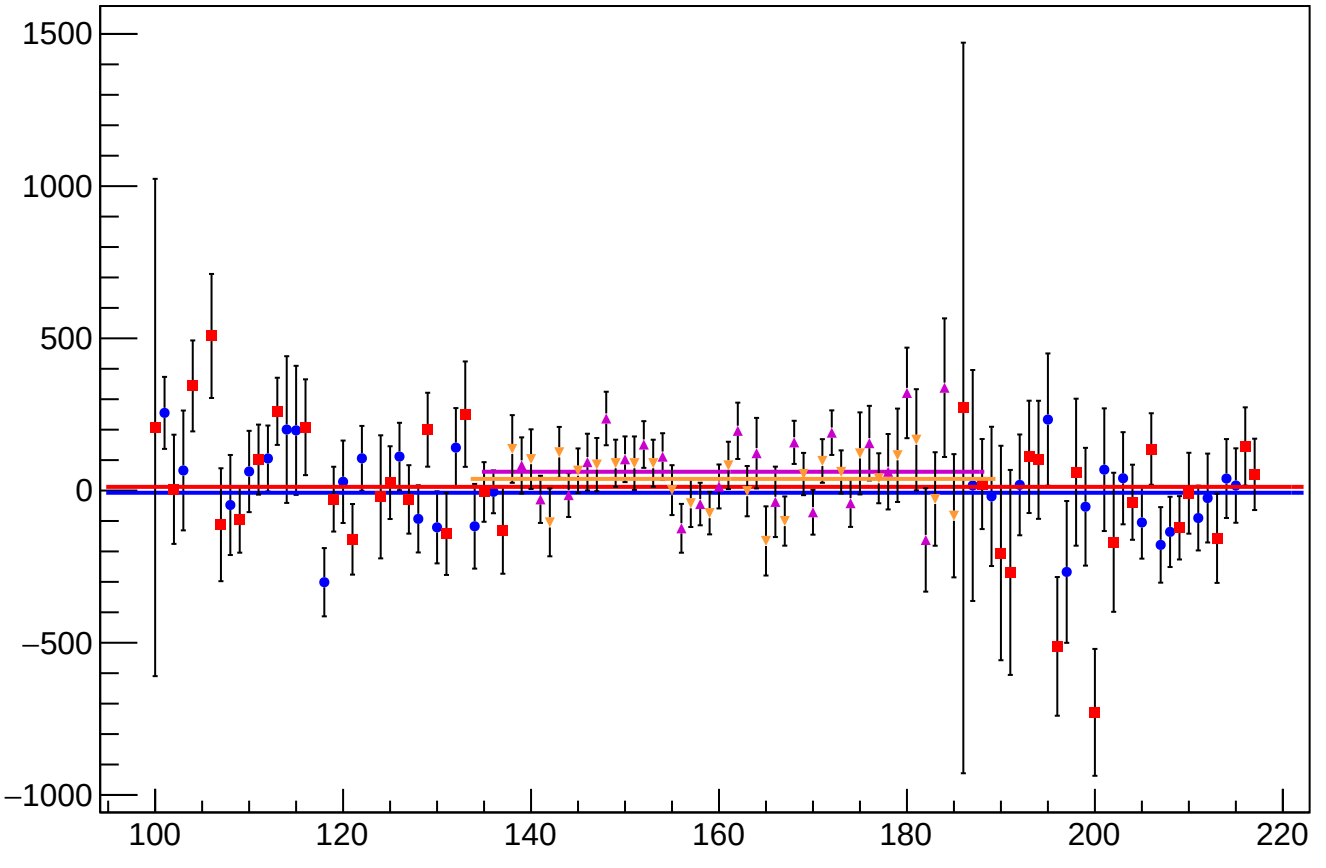
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1154.598+/-0.135 χ^2/NDF: 6622586.2/66

In: 620.285+/-0.079 χ^2/NDF:12819807.7/53

Out: 623.821+/-0.078 χ^2/NDF:14723100.9/60

All: 622.084+/-0.055 χ^2/NDF: 27543931.5/11



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: 12.086+/-24.074 χ^2/NDF: 54.5/35

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

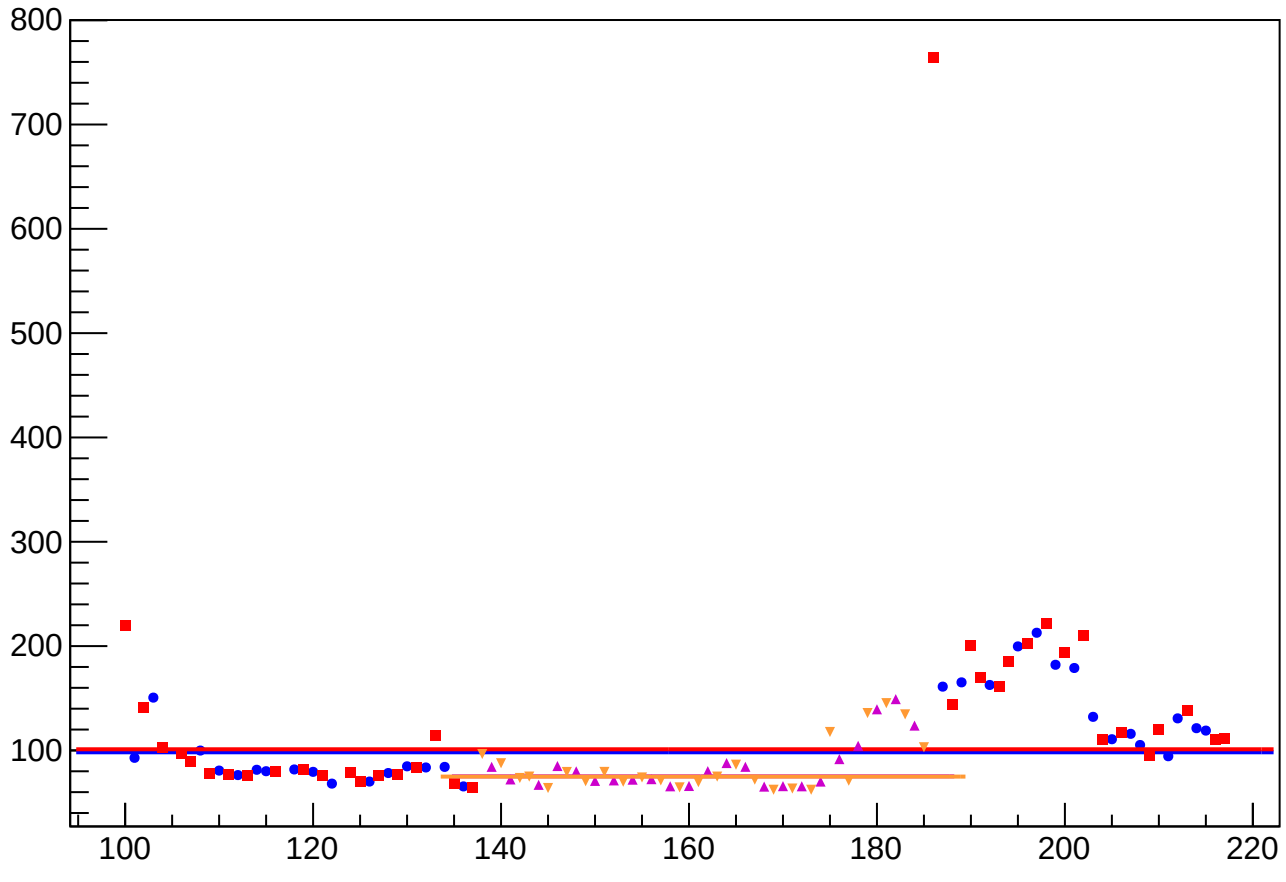
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 2.342+/-16.949 χ^2/NDF: 83.0/66

In: 36.384+/-14.468 χ^2/NDF:70.3/53

Out: 29.110+/-14.245 χ^2/NDF:74.0/60

All: 32.690+/-10.151 χ^2/NDF: 144.4/114



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: 101.097+/-0.017 χ^2/NDF: 4980748.8/35

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

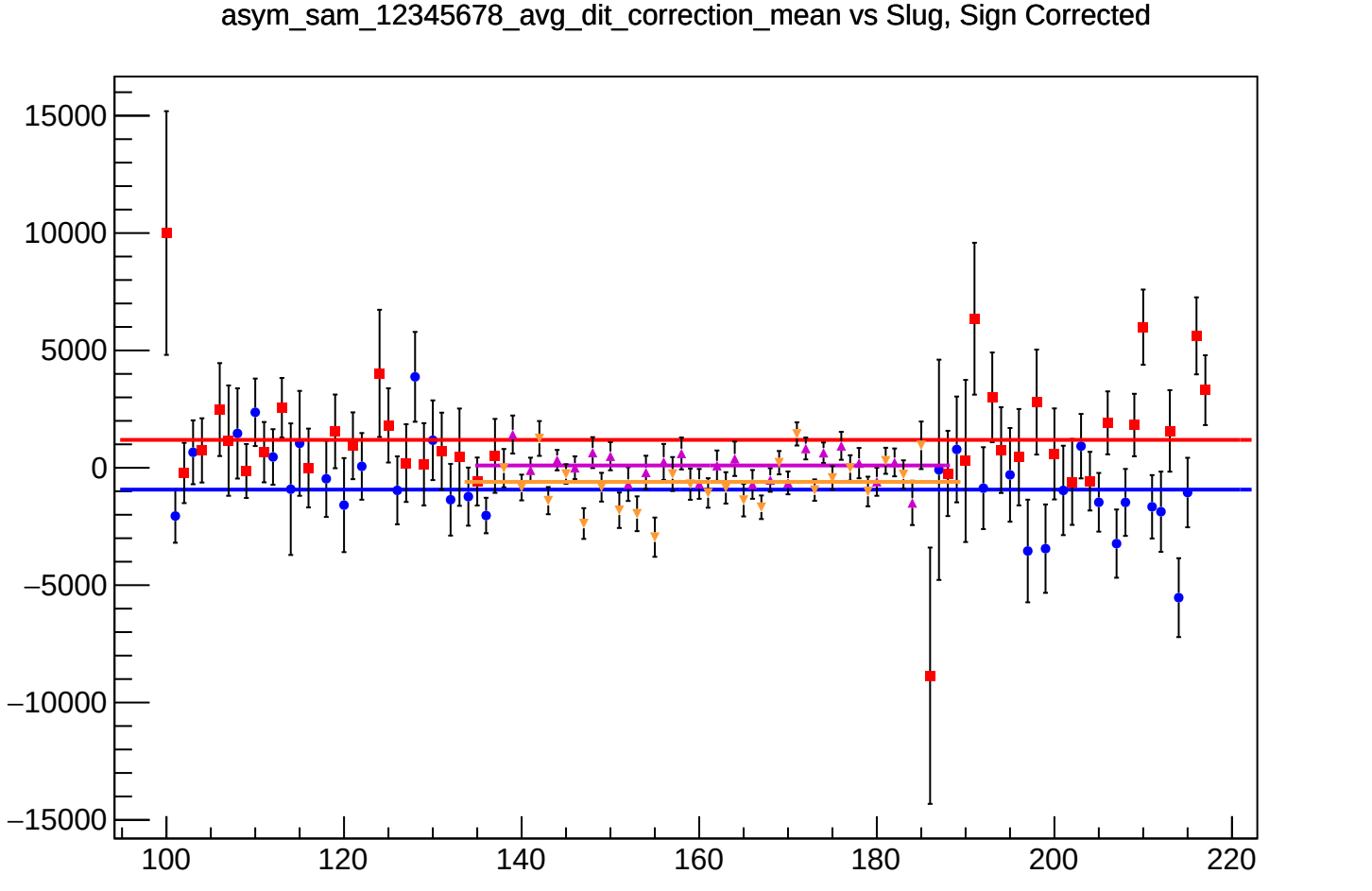
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 99.639+/-0.012 χ^2/NDF: 8762955.0/66

In: 83.626+/-0.010 χ^2/NDF:6260190.7/53

Out: 84.073+/-0.010 χ^2/NDF:8181137.1/60

All: 83.853+/-0.007 χ^2/NDF: 14442299.2/114



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: 1189.124+/-272.766 χ^2/NDF: 43.4/35

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

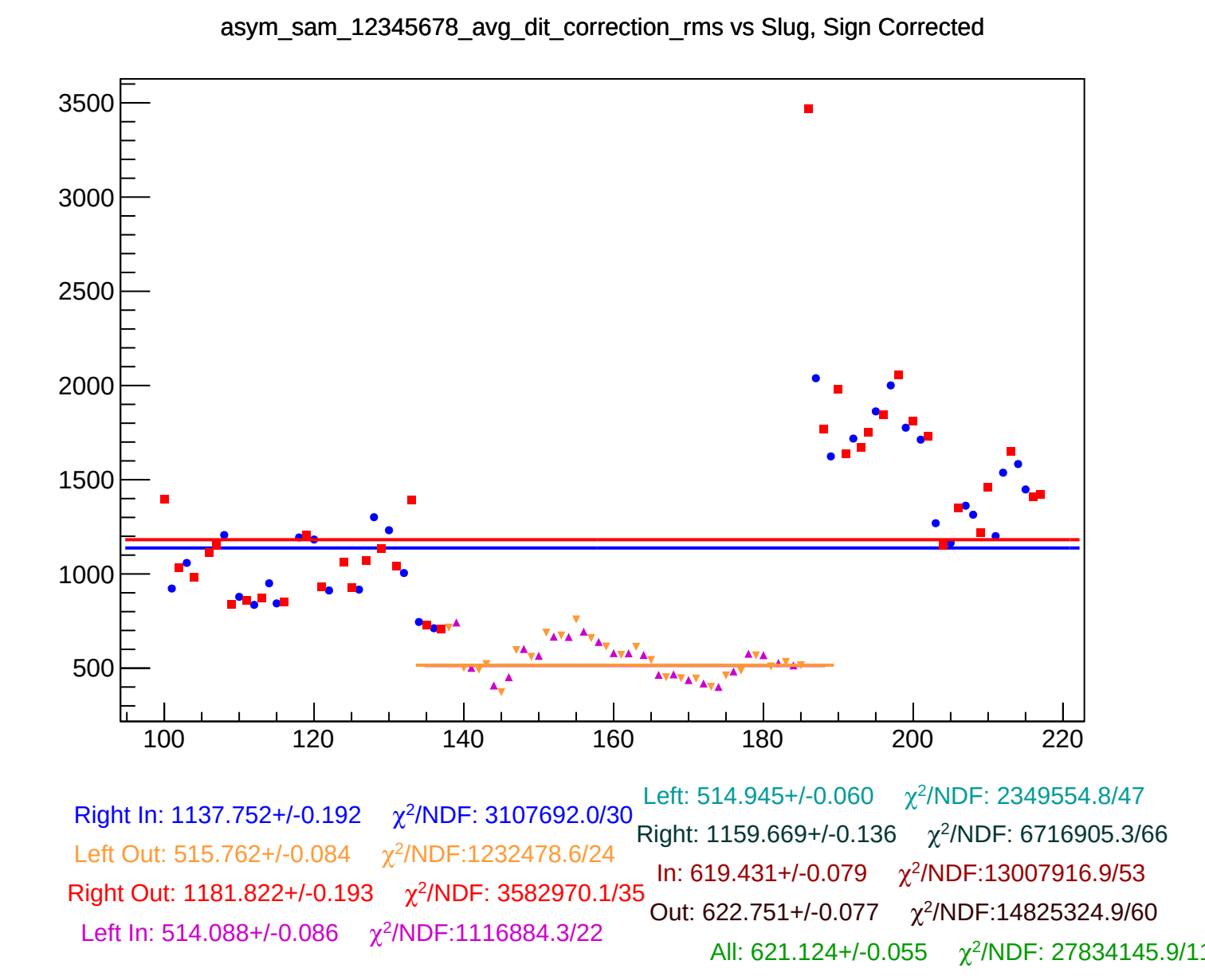
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

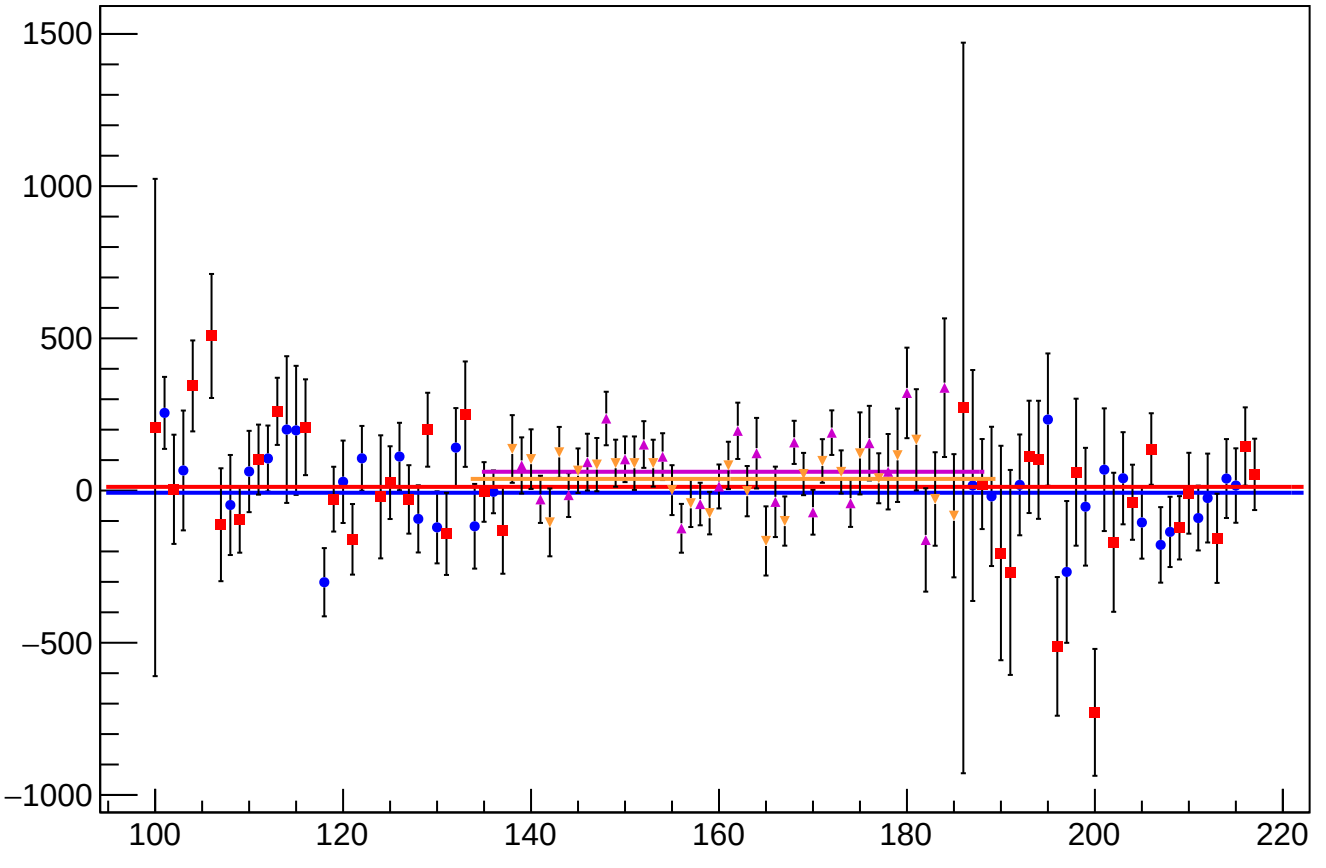
Right: 124.263+/-192.357 χ^2/NDF: 112.4/66

In: -74.593+/-111.503 χ^2/NDF:74.4/53

Out: -311.628+/-109.321 χ^2/NDF:144.5/60

All: -195.453+/-78.062 χ^2/NDF: 221.2/114


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: 1181.822+/-0.193 χ²/NDF: 3582970.1/35
Left In: 514.088+/-0.086 χ²/NDF:1116884.3/22
Left: 514.945+/-0.060 χ²/NDF: 2349554.8/47
Right: 1159.669+/-0.136 χ²/NDF: 6716905.3/66
In: 619.431+/-0.079 χ²/NDF:13007916.9/53
Out: 622.751+/-0.077 χ²/NDF:14825324.9/60
All: 621.124+/-0.055 χ²/NDF: 27834145.9/11



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: 12.084+/-24.074 χ^2/NDF: 54.5/35

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

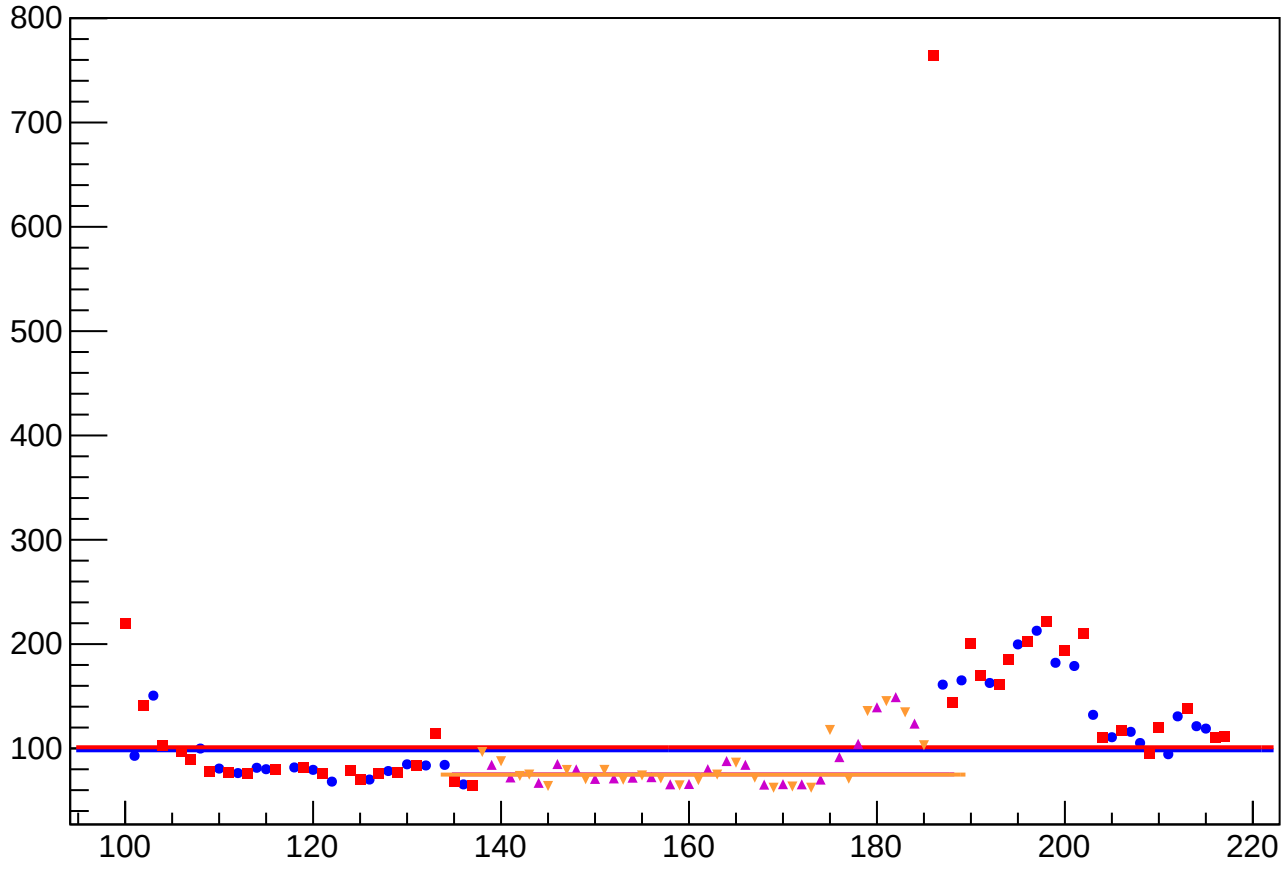
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 2.341+/-16.949 χ^2/NDF: 83.0/66

In: 36.383+/-14.468 χ^2/NDF:70.3/53

Out: 29.110+/-14.245 χ^2/NDF:74.0/60

All: 32.690+/-10.151 χ^2/NDF: 144.4/114



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: 101.097+/-0.017 χ^2/NDF: 4980776.8/35

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

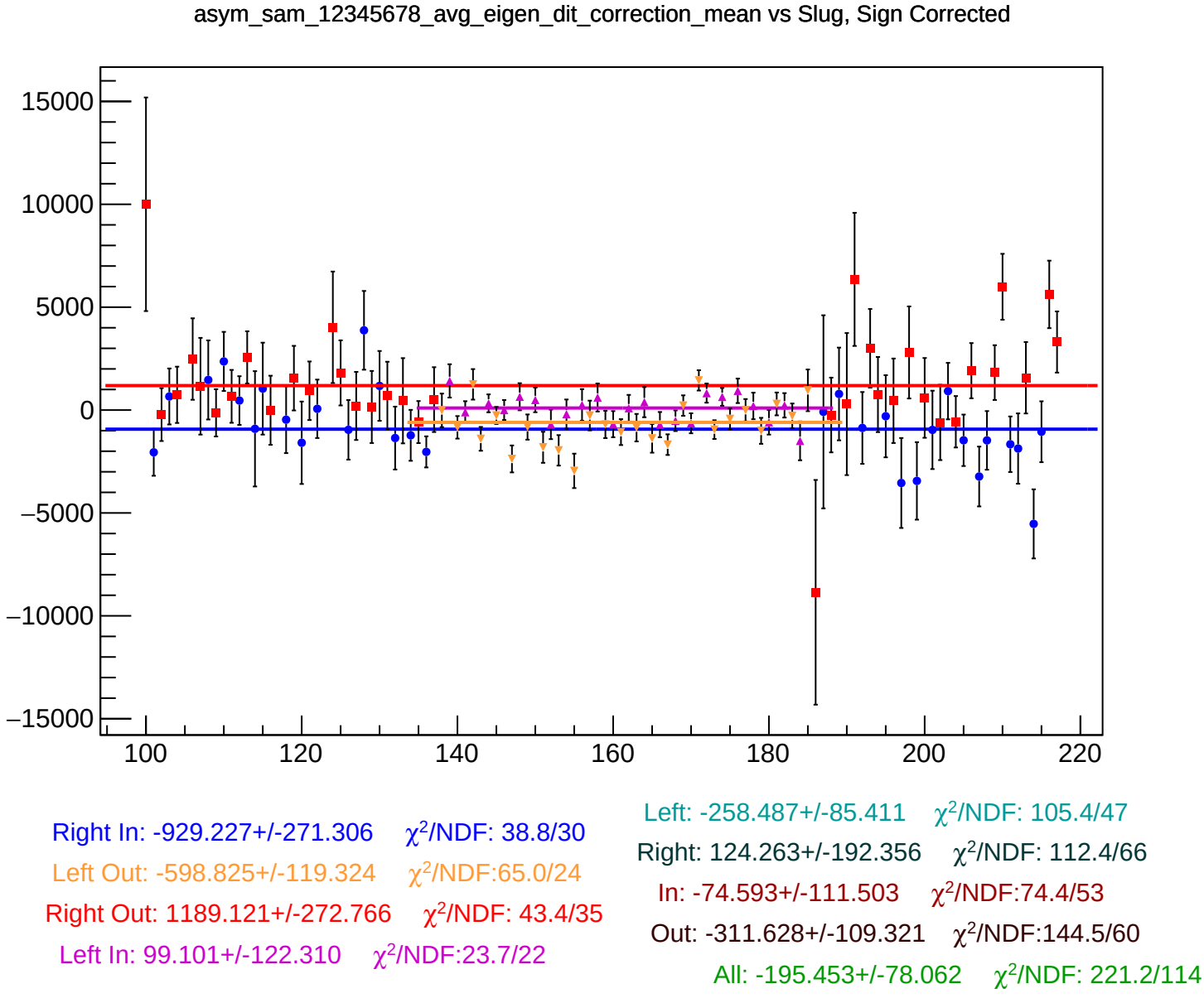
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 99.639+/-0.012 χ^2/NDF: 8762996.2/66

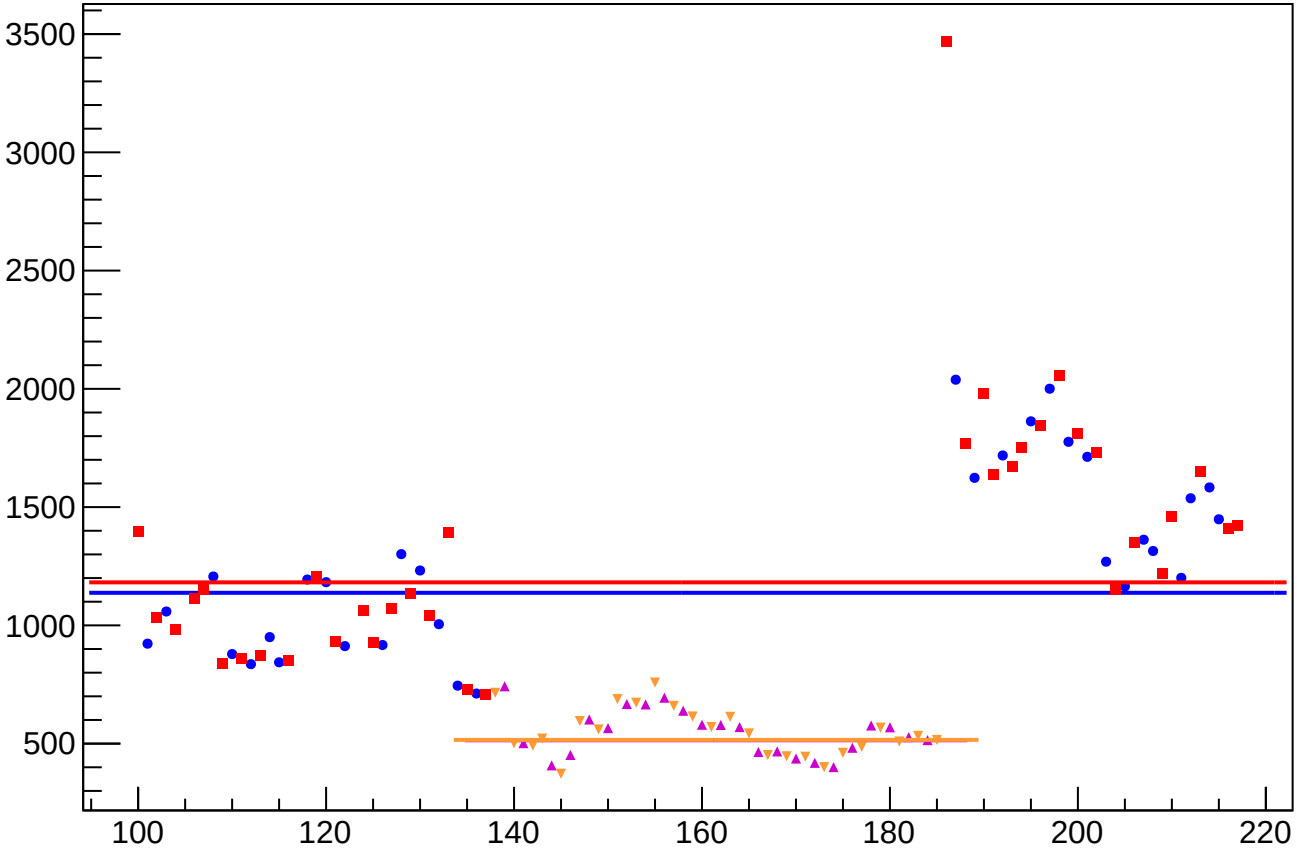
In: 83.626+/-0.010 χ^2/NDF:6260140.7/53

Out: 84.074+/-0.010 χ^2/NDF:8181114.7/60

All: 83.853+/-0.007 χ^2/NDF: 14442226.7/114


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: 1189.121+/-272.766 χ²/NDF: 43.4/35
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 124.263+/-192.356 χ²/NDF: 112.4/66
In: -74.593+/-111.503 χ²/NDF:74.4/53
Out: -311.628+/-109.321 χ²/NDF:144.5/60
All: -195.453+/-78.062 χ²/NDF: 221.2/114

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: 1181.819+/-0.193 χ^2/NDF: 3582983.5/35

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

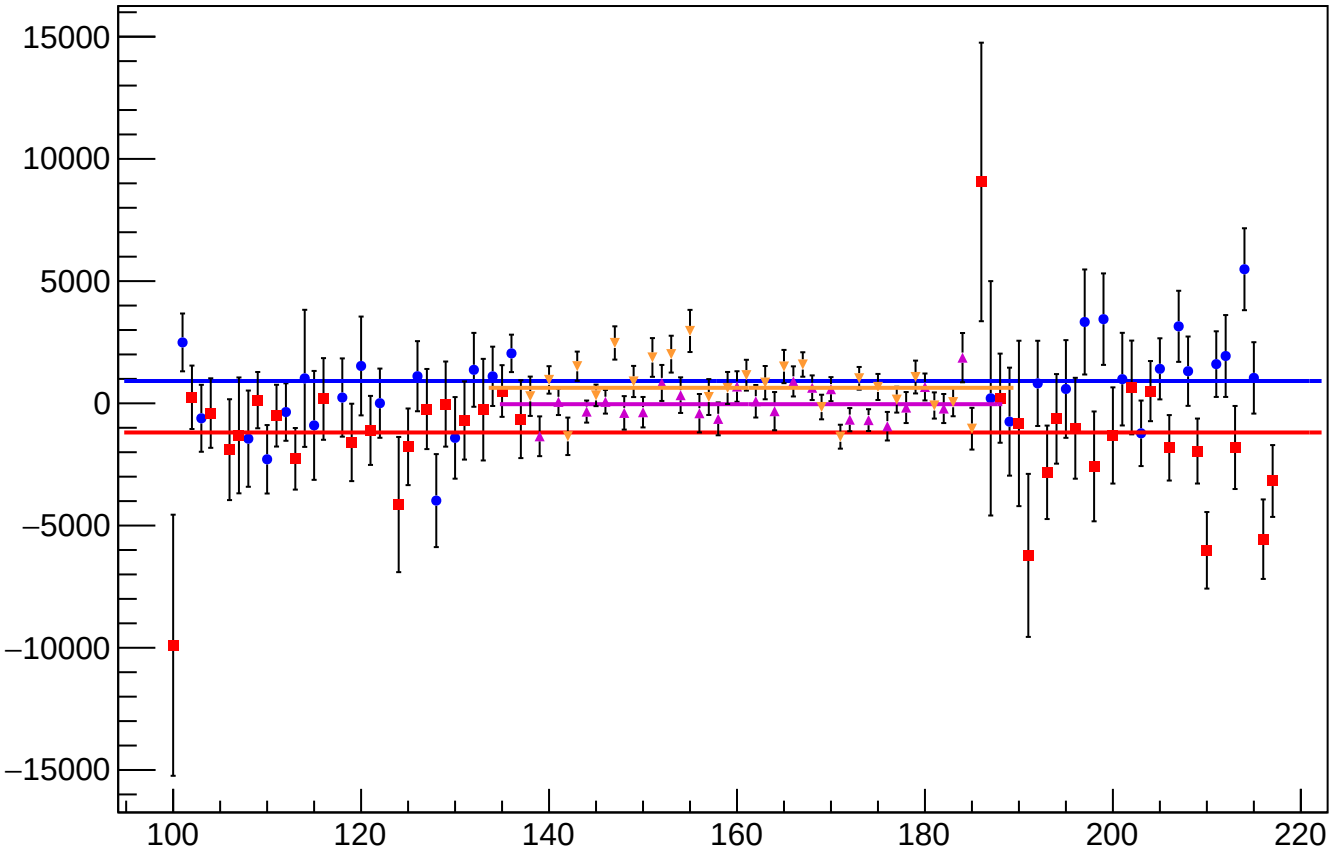
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1159.667+/-0.136 χ^2/NDF: 6716928.9/66

In: 619.430+/-0.079 χ^2/NDF:13007922.6/53

Out: 622.750+/-0.077 χ^2/NDF:14825338.4/60

All: 621.122+/-0.055 χ^2/NDF: 27834165.0/1



Right In: 913.891+/-270.599 χ^2/NDF: 40.0/30

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -1192.183+/-273.385 χ^2/NDF: 41.8/35

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

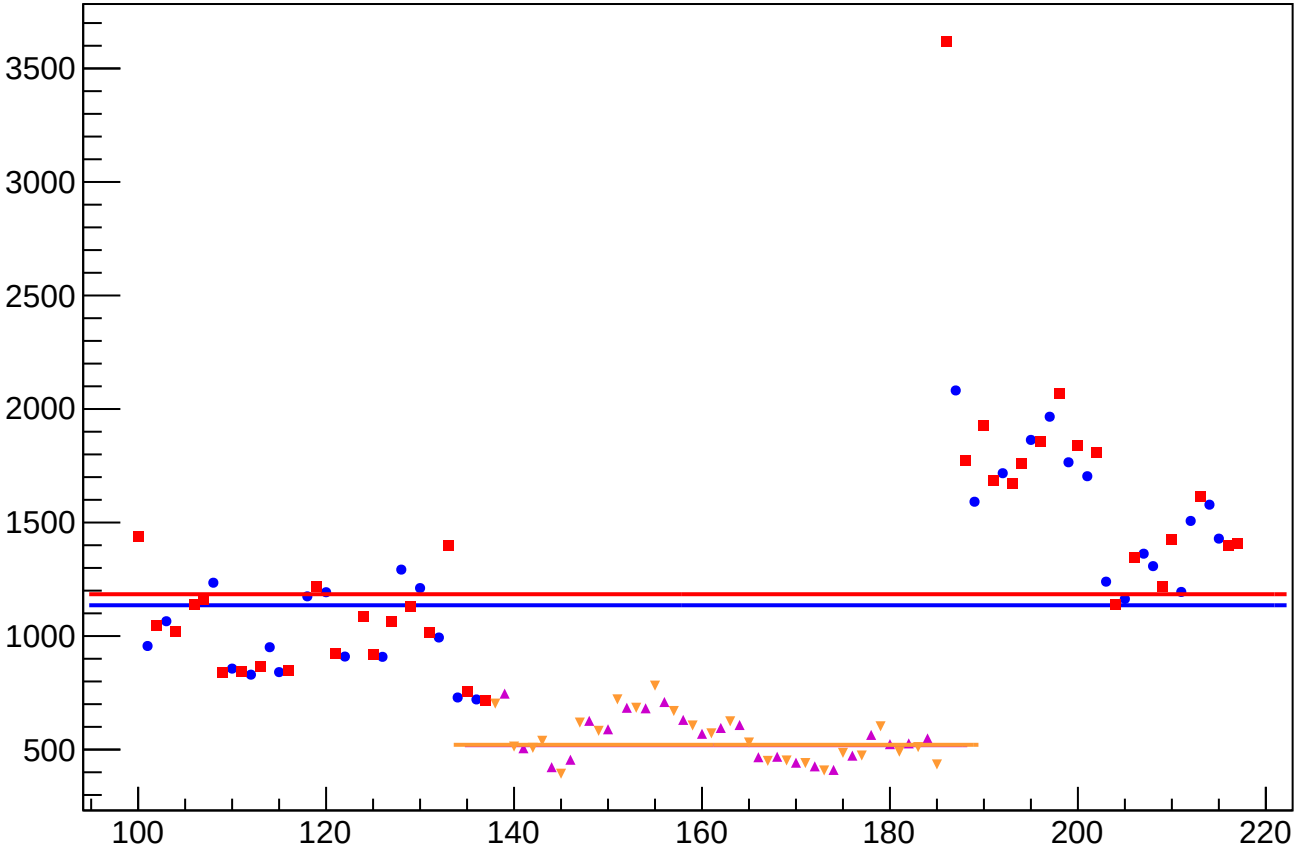
Right: -128.360+/-192.320 χ^2/NDF: 111.8/66

In: 128.775+/-112.365 χ^2/NDF:75.3/53

Out: 336.686+/-110.430 χ^2/NDF:143.6/60

All: 234.536+/-78.761 χ^2/NDF: 220.7/114

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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: 1184.239+/-0.193 χ^2/NDF: 3565127.5/35

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

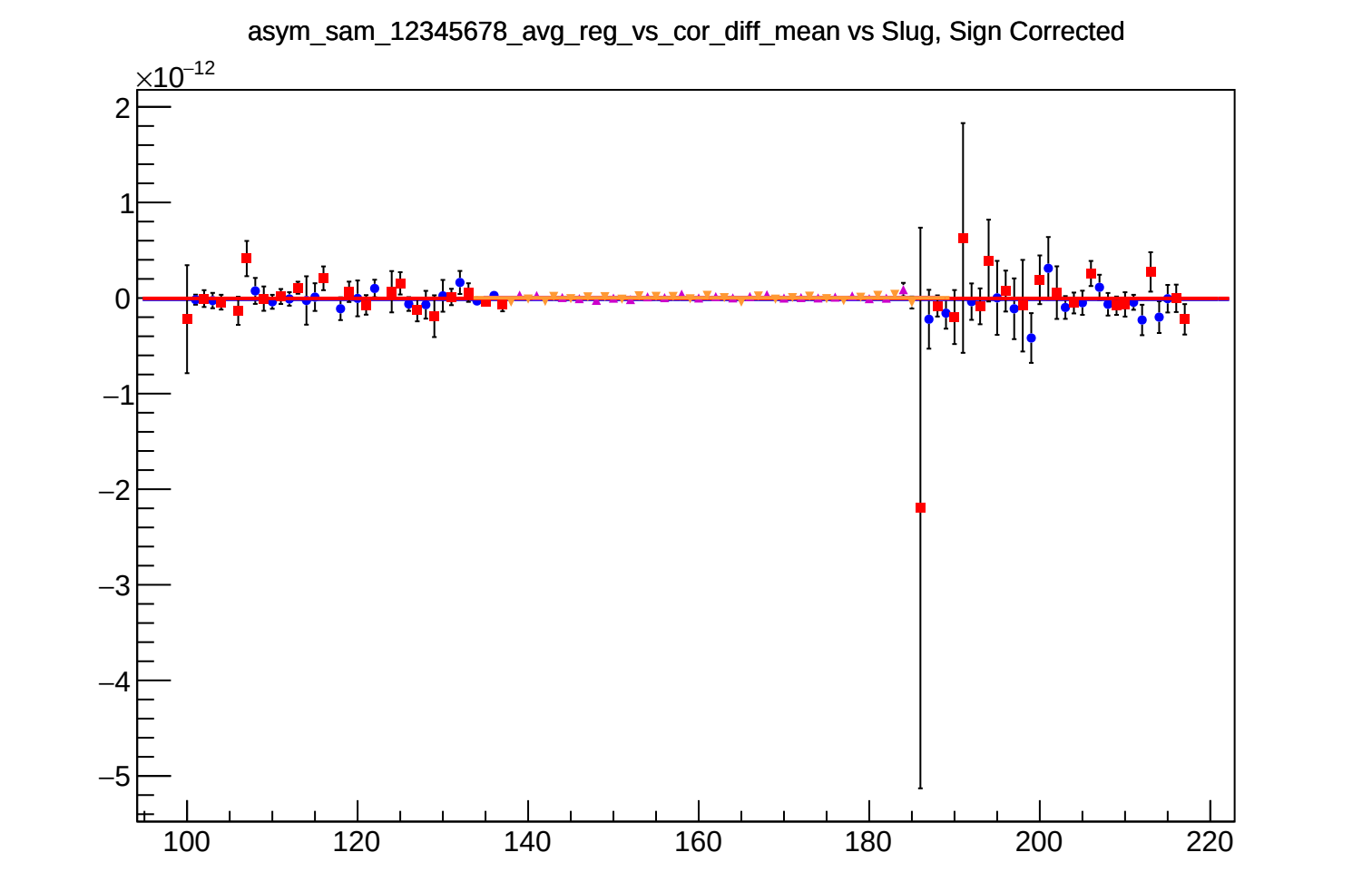
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1159.675+/-0.136 χ^2/NDF: 6632671.5/66

In: 625.519+/-0.079 χ^2/NDF:12723621.4/53

Out: 629.238+/-0.078 χ^2/NDF:14657951.0/60

All: 627.411+/-0.056 χ^2/NDF: 27382686.9/1



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: 31.8/35

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

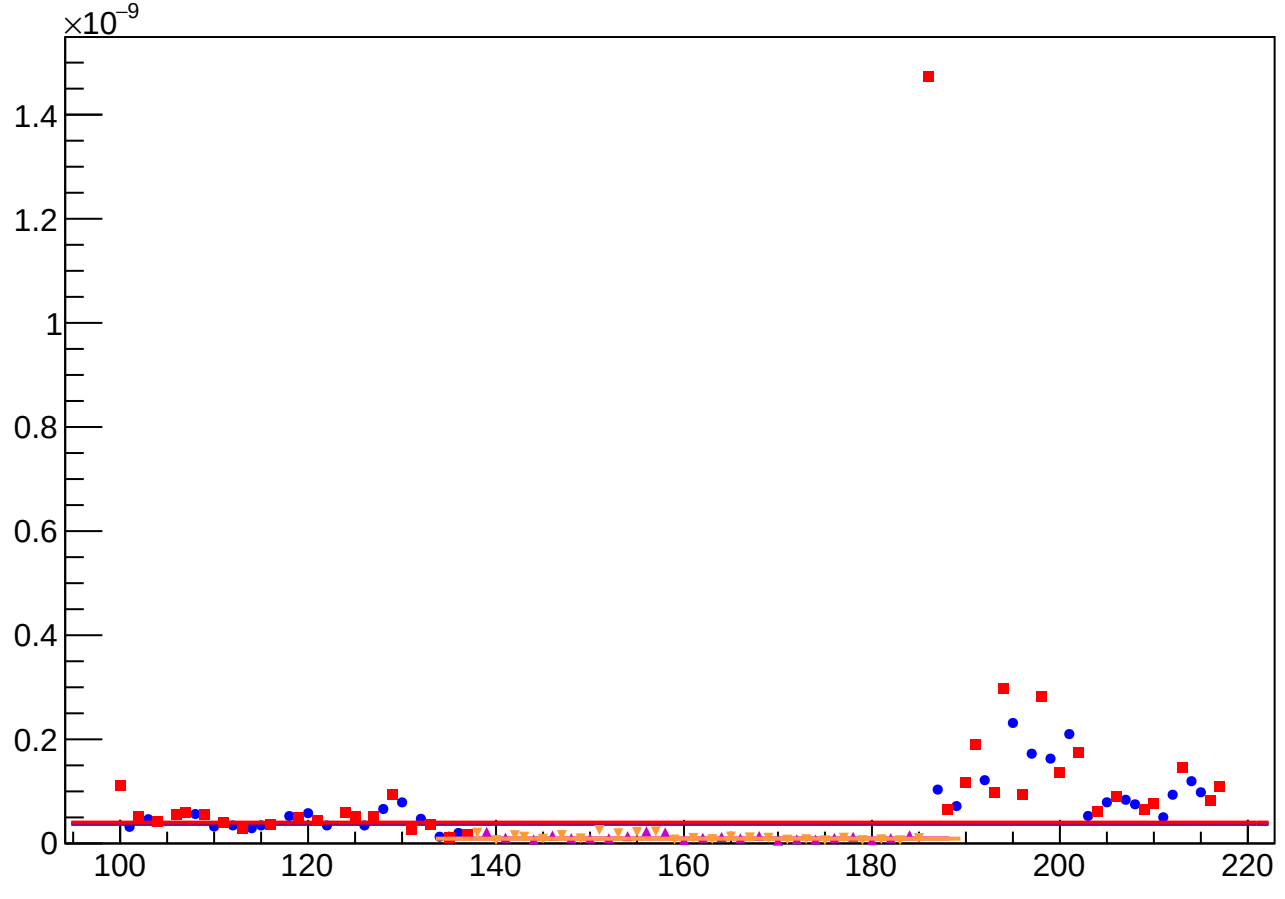
Right: -0.000+/-0.000 χ^2/NDF: 49.2/66

In: 0.000+/-0.000 χ^2/NDF:29.2/53

Out: 0.000+/-0.000 χ^2/NDF:54.4/60

All: 0.000+/-0.000 χ^2/NDF: 83.7/114

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7097658.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

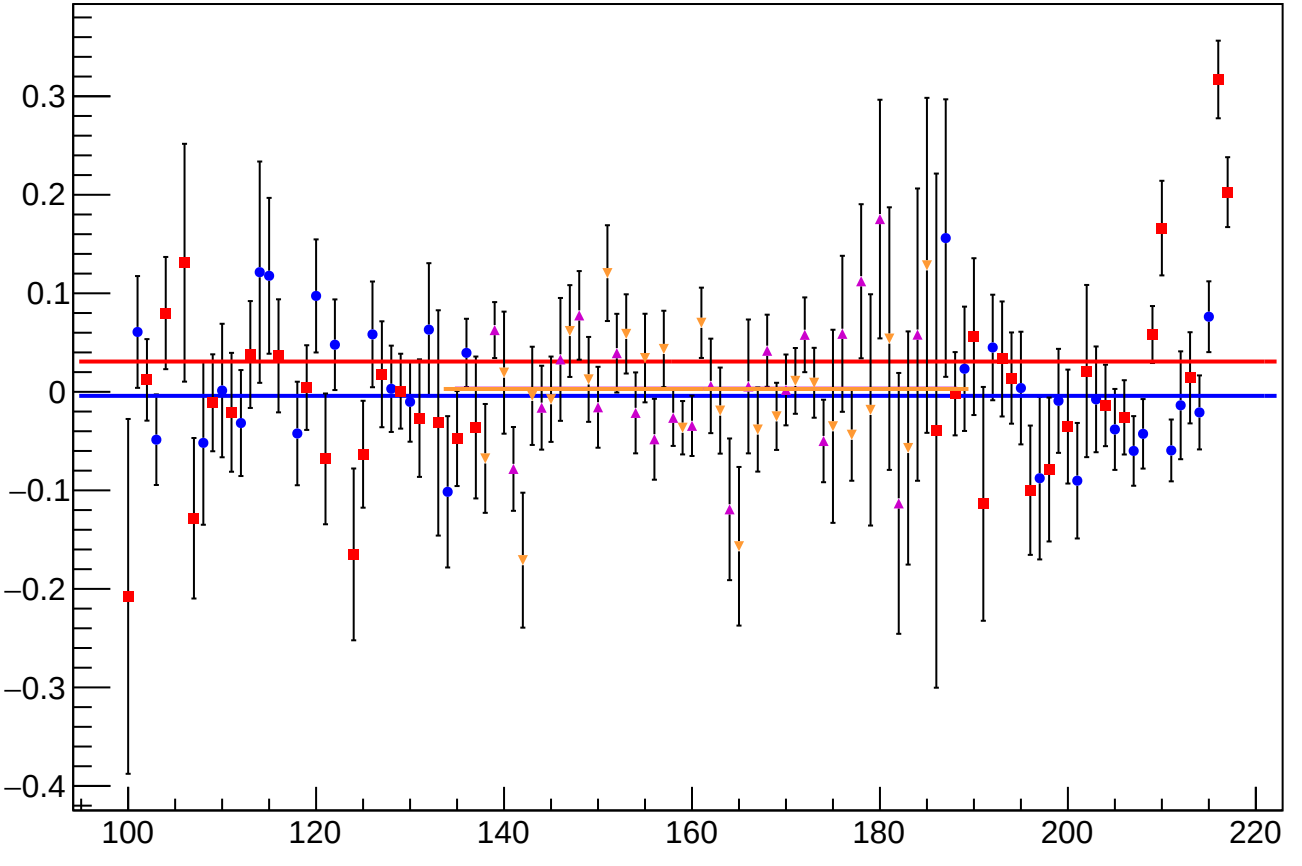
Right: 0.000+/-0.000 χ^2/NDF: 13090081.5/66

In: 0.000+/-0.000 χ^2/NDF:13330351.1/53

Out: 0.000+/-0.000 χ^2/NDF:15227109.8/60

All: 0.000+/-0.000 χ^2/NDF: 28583844.3/114

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.009 χ^2/NDF: 35.2/30

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

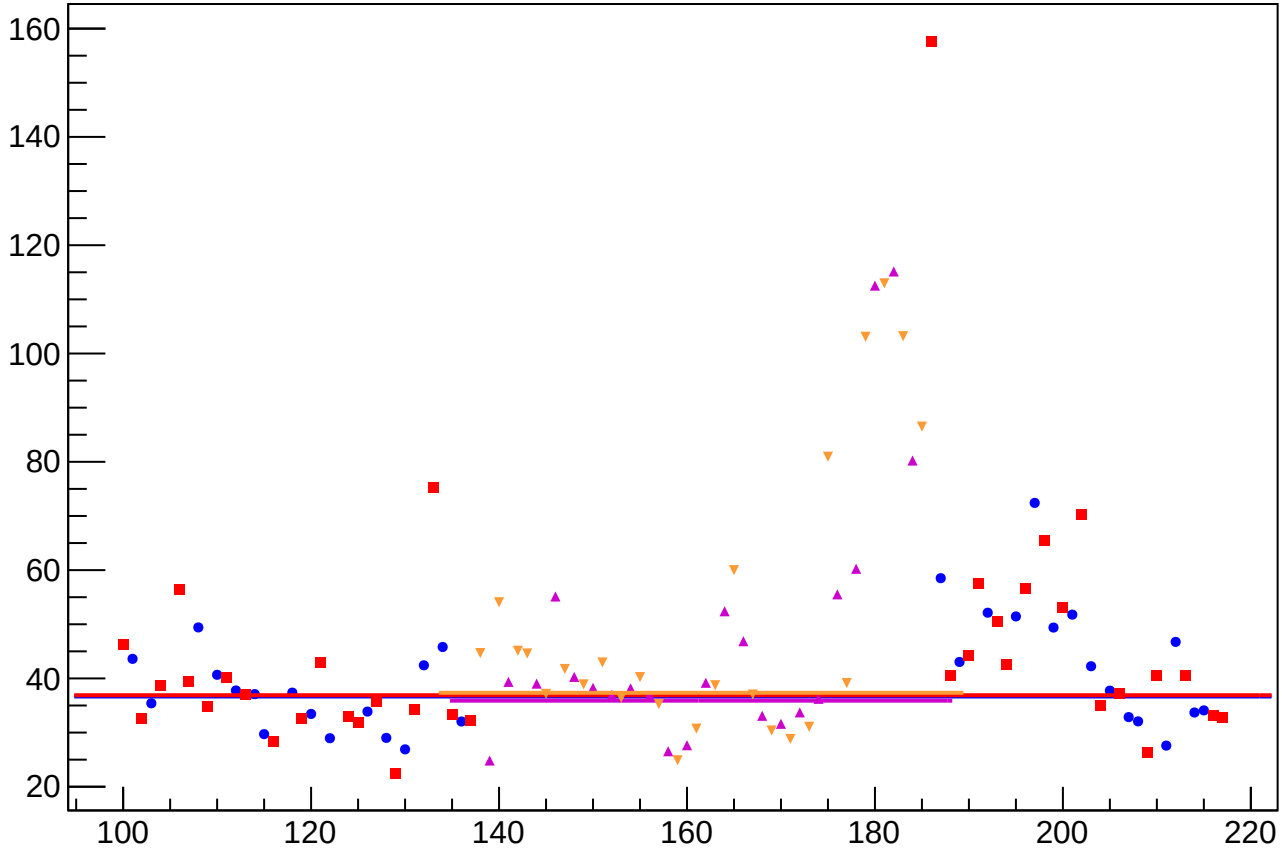
Right: 0.014+/-0.006 χ^2/NDF: 166.4/66

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.018+/-0.006 χ^2/NDF:161.0/60

All: 0.009+/-0.005 χ^2/NDF: 230.4/114

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: 36.898+/-0.006 χ^2/NDF: 2671108.0/35

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

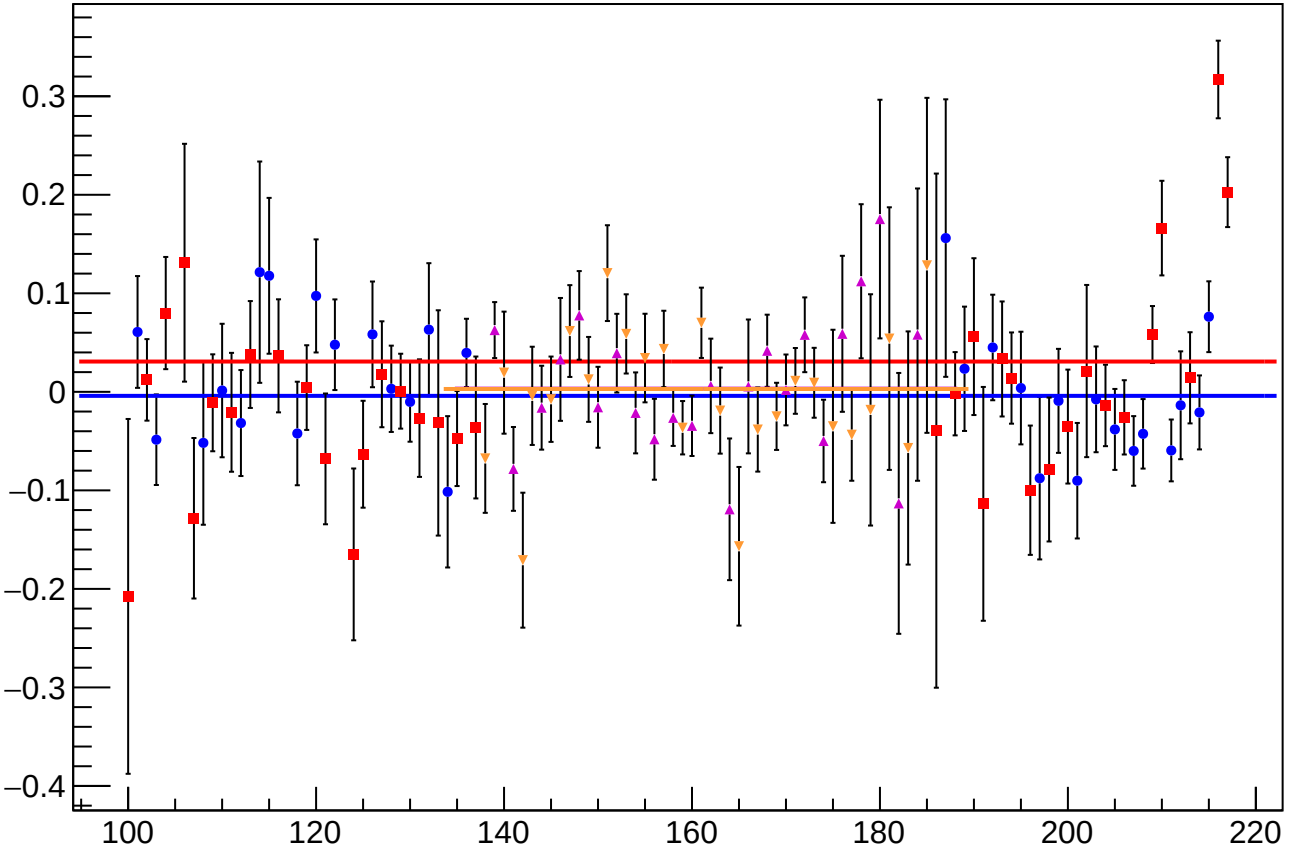
Right: 36.783+/-0.004 χ^2/NDF: 4430159.2/66

In: 36.294+/-0.005 χ^2/NDF:4903962.5/53

Out: 37.109+/-0.005 χ^2/NDF:6370199.9/60

All: 36.701+/-0.003 χ^2/NDF: 11290539.5/114

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.009 χ^2/NDF: 35.2/30

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

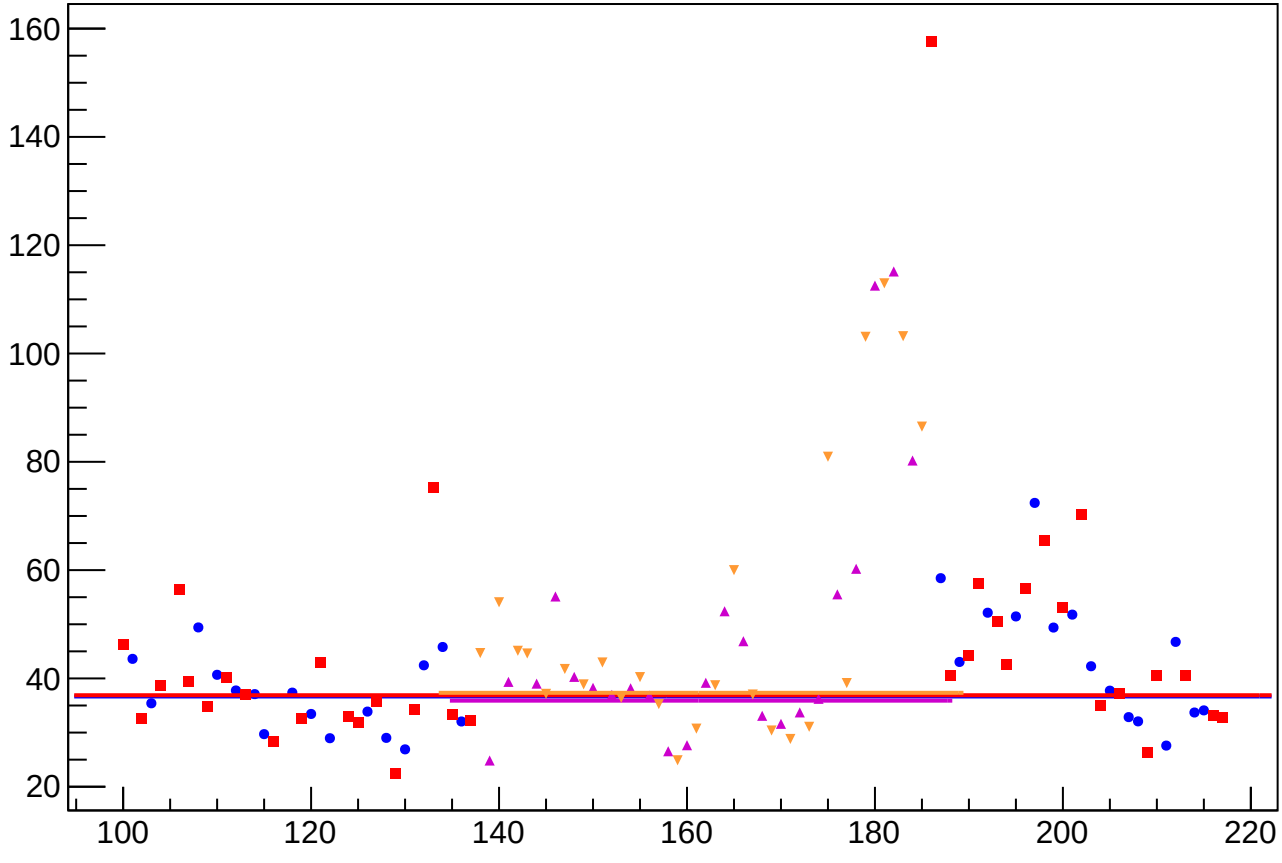
Right: 0.014+/-0.006 χ^2/NDF: 166.4/66

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.018+/-0.006 χ^2/NDF:161.0/60

All: 0.009+/-0.005 χ^2/NDF: 230.4/114

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: 36.898+/-0.006 χ^2/NDF: 2671108.0/35

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

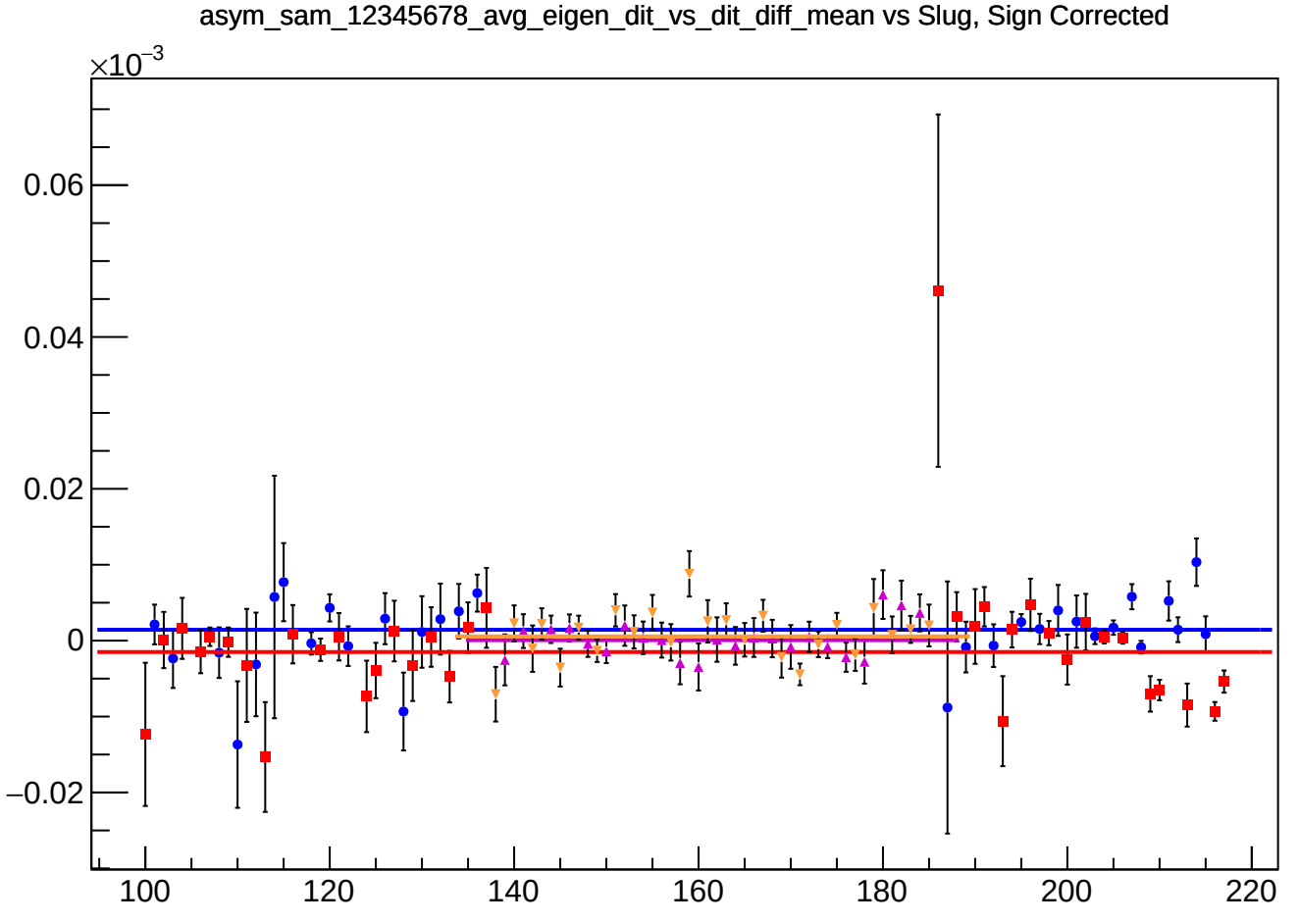
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 36.783+/-0.004 χ^2/NDF: 4430159.2/66

In: 36.294+/-0.005 χ^2/NDF:4903962.5/53

Out: 37.109+/-0.005 χ^2/NDF:6370199.9/60

All: 36.701+/-0.003 χ^2/NDF: 11290539.5/114



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: 123.2/35

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

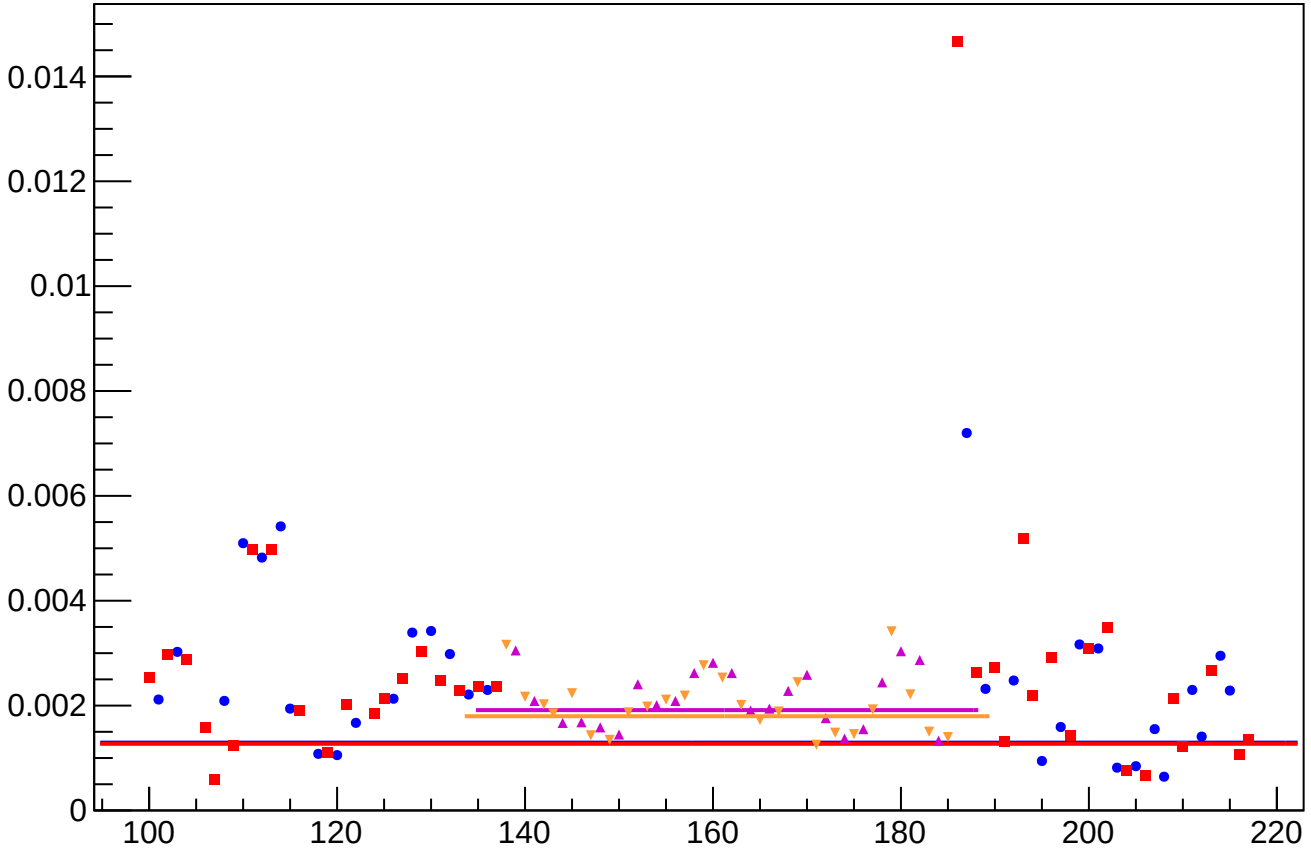
Right: -0.000+/-0.000 χ^2/NDF: 208.6/66

In: 0.000+/-0.000 χ^2/NDF:72.1/53

Out: -0.000+/-0.000 χ^2/NDF:181.0/60

All: 0.000+/-0.000 χ^2/NDF: 270.8/114

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: 10947033.9/35

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

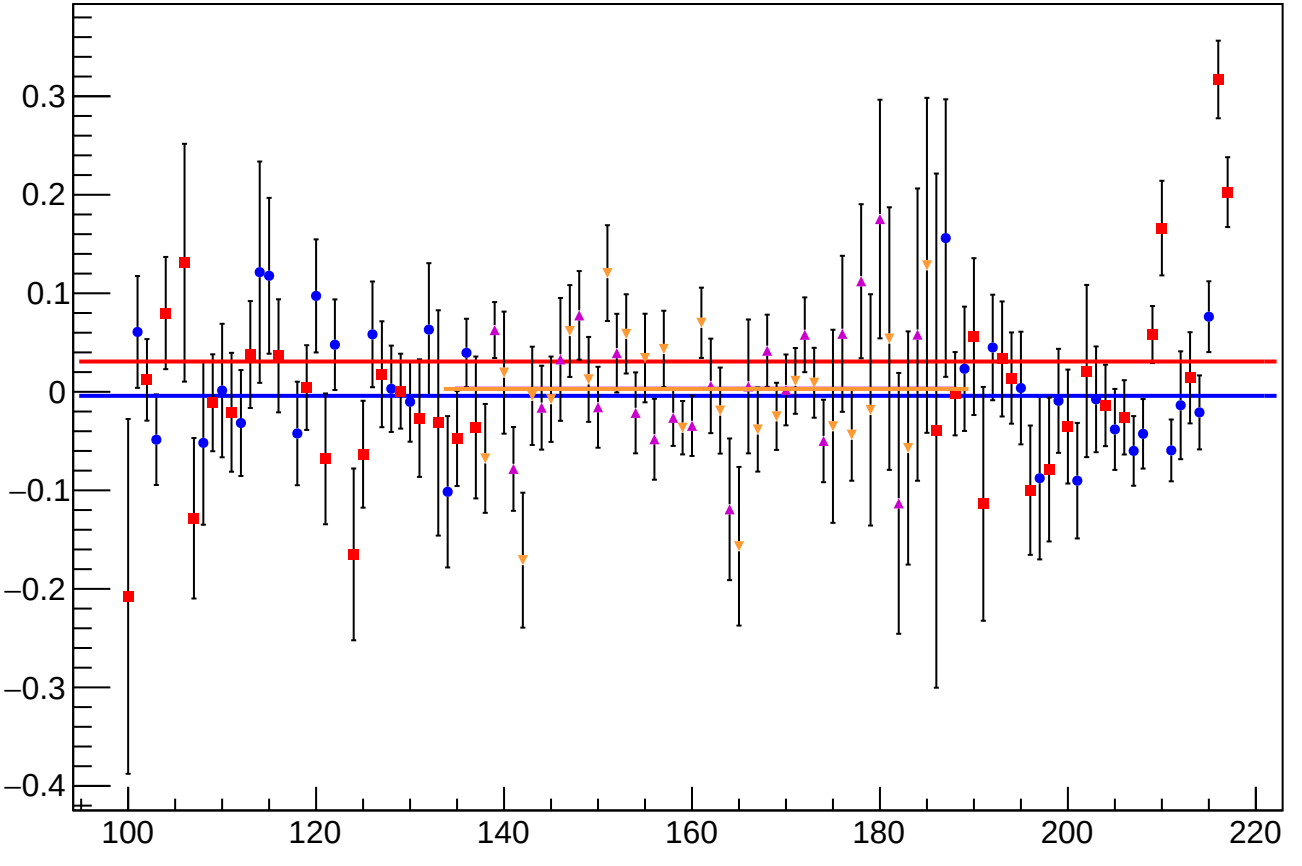
Right: 0.001+/-0.000 χ^2/NDF: 20116216.7/66

In: 0.002+/-0.000 χ^2/NDF:13593820.6/53

Out: 0.001+/-0.000 χ^2/NDF:15096996.1/60

All: 0.001+/-0.000 χ^2/NDF: 28716104.1/114

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: 0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

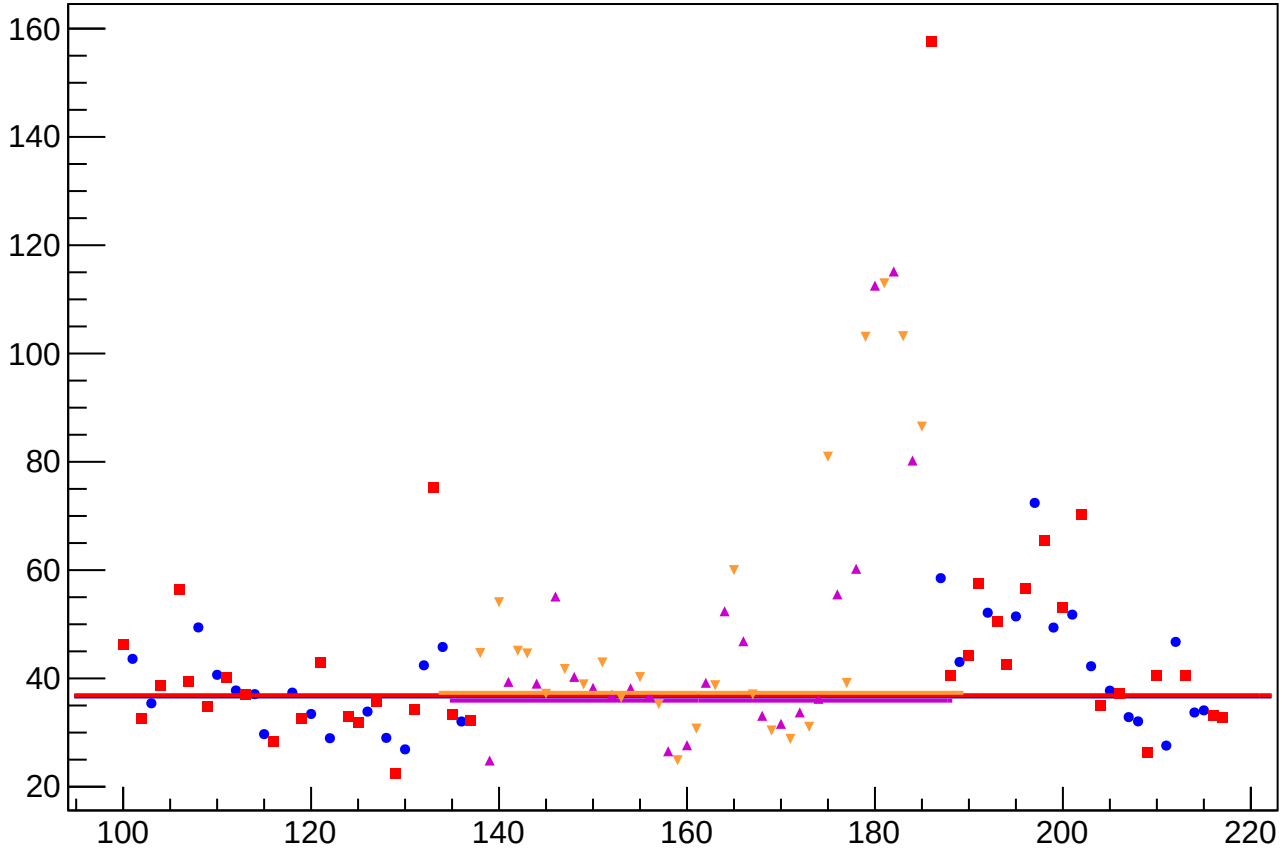
Right: 0.014+/-0.006 χ^2/NDF: 166.4/66

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.018+/-0.006 χ^2/NDF:161.0/60

All: 0.009+/-0.005 χ^2/NDF: 230.4/114

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: 36.898+/-0.006 χ^2/NDF: 2671191.4/35

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

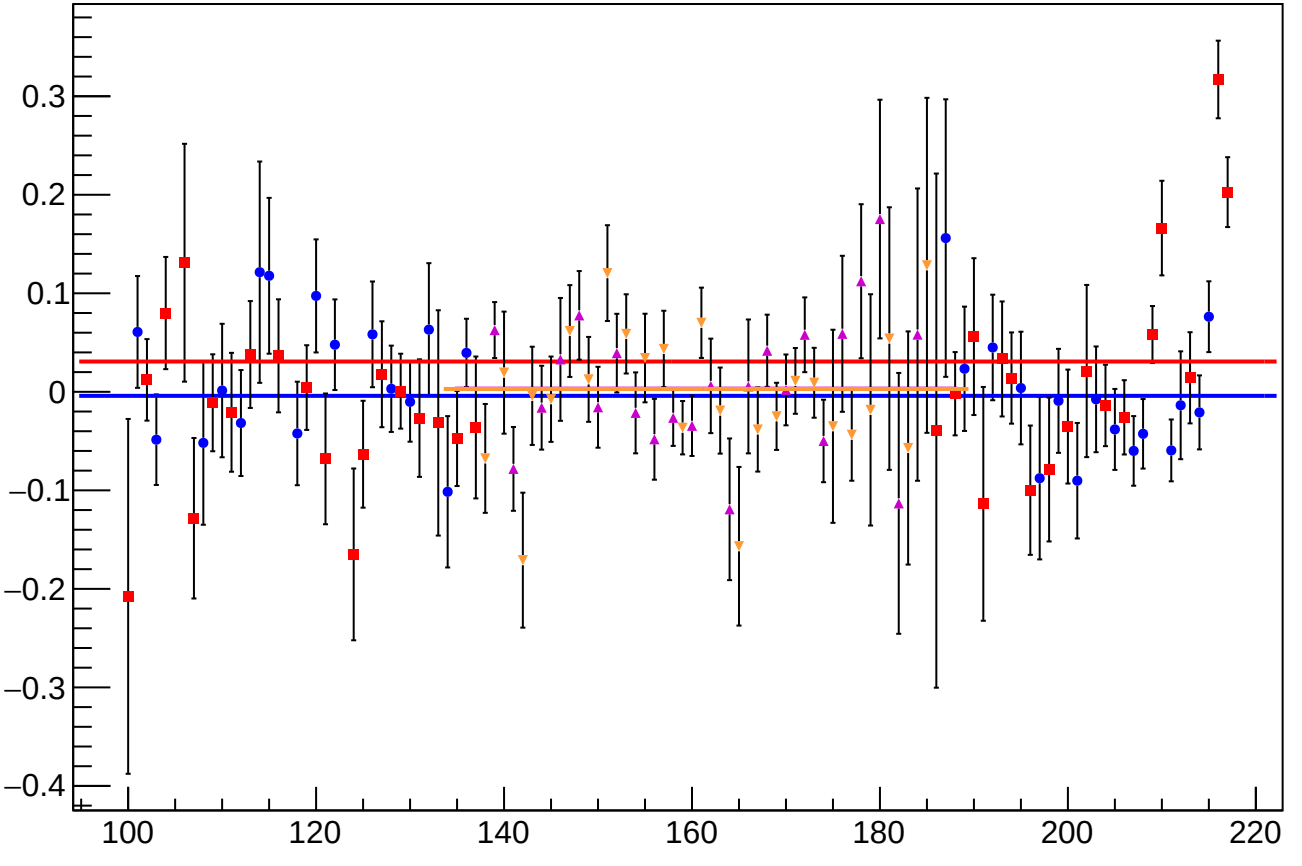
Right: 36.783+/-0.004 χ^2/NDF: 4430283.5/66

In: 36.294+/-0.005 χ^2/NDF:4904005.5/53

Out: 37.109+/-0.005 χ^2/NDF:6370339.7/60

All: 36.701+/-0.003 χ^2/NDF: 11290720.8/114

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: 0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

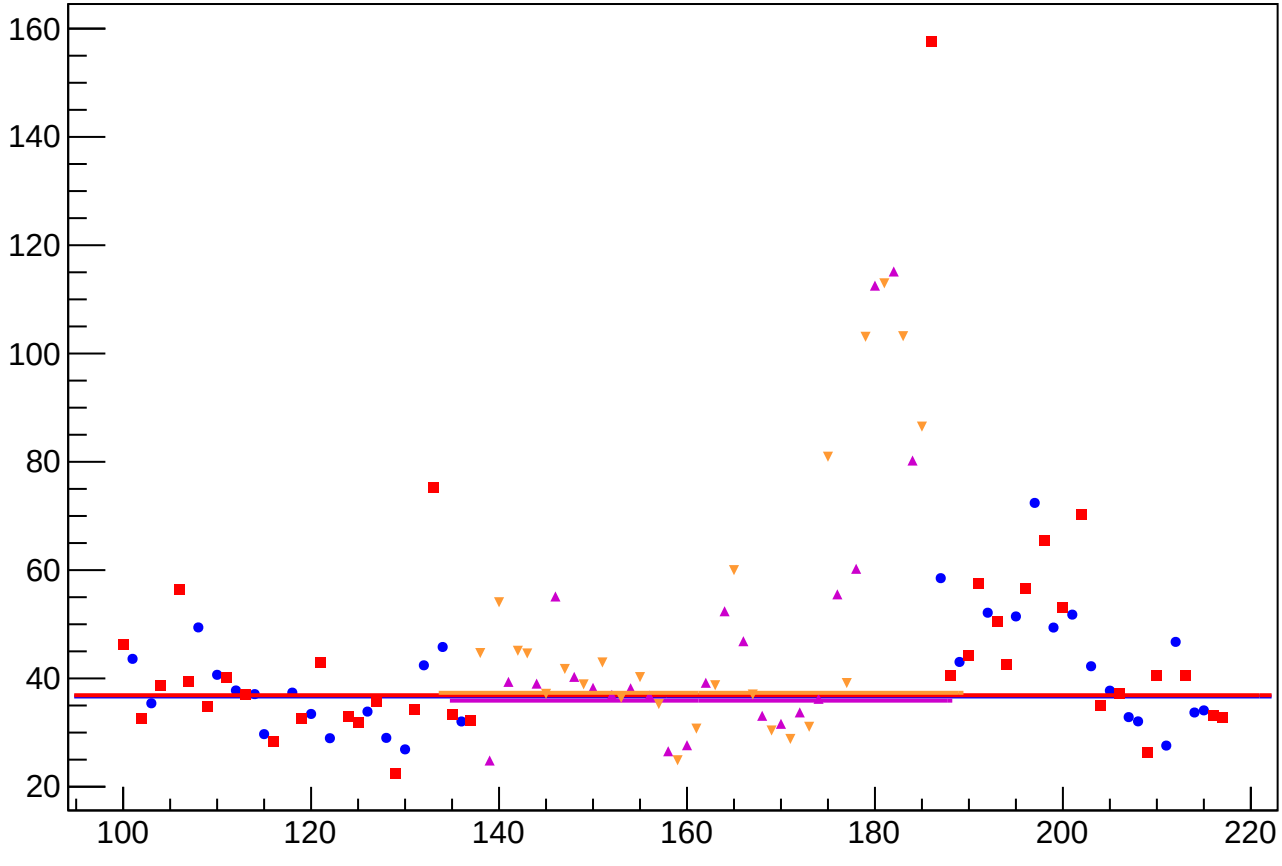
Right: 0.014+/-0.006 χ^2/NDF: 166.4/66

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.018+/-0.006 χ^2/NDF:161.0/60

All: 0.009+/-0.005 χ^2/NDF: 230.4/114

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: 36.898+/-0.006 χ^2/NDF: 2671191.4/35

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

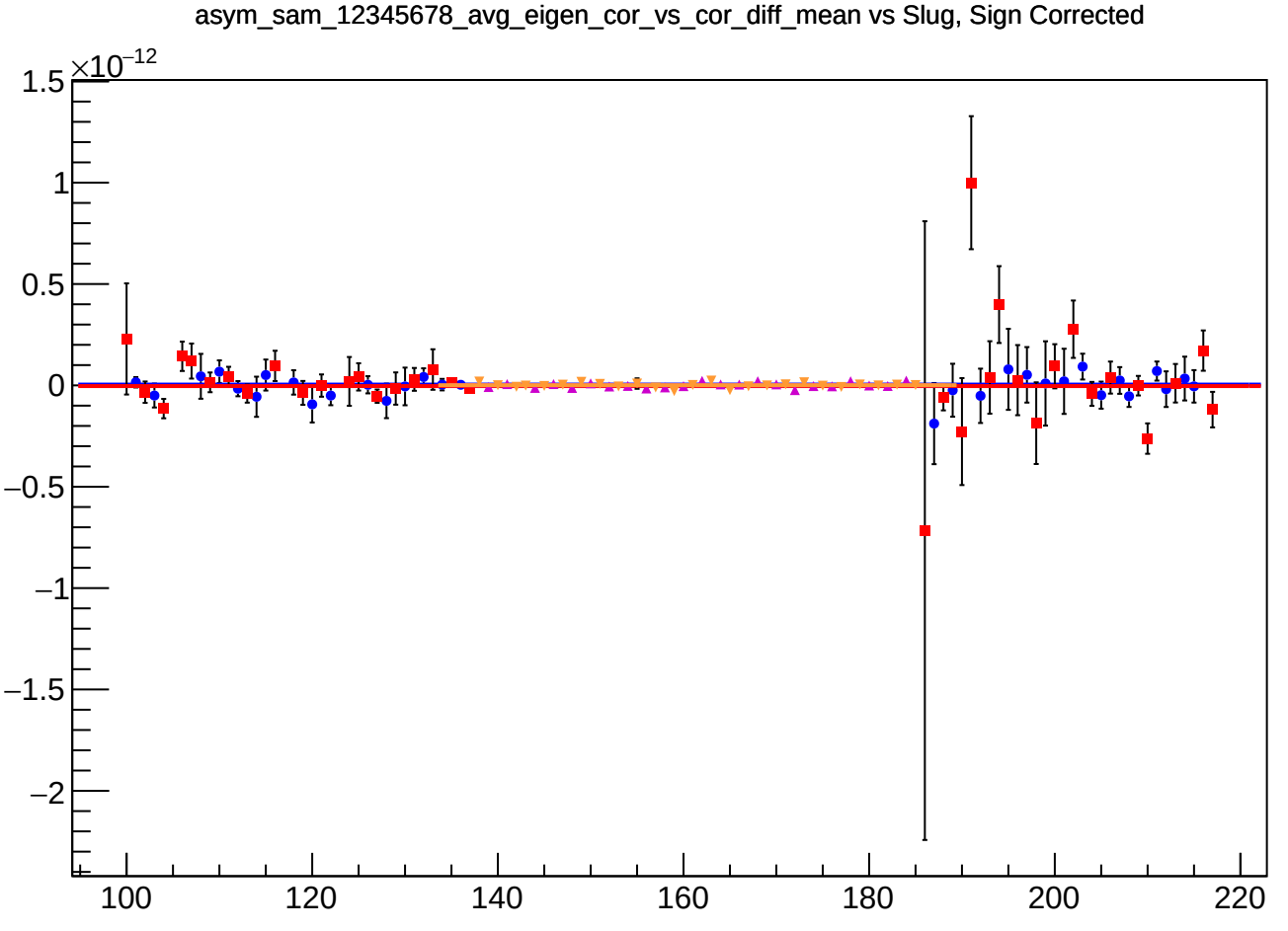
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 36.783+/-0.004 χ^2/NDF: 4430283.5/66

In: 36.294+/-0.005 χ^2/NDF:4904005.5/53

Out: 37.109+/-0.005 χ^2/NDF:6370339.7/60

All: 36.701+/-0.003 χ^2/NDF: 11290720.8/114



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: 60.3/35

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

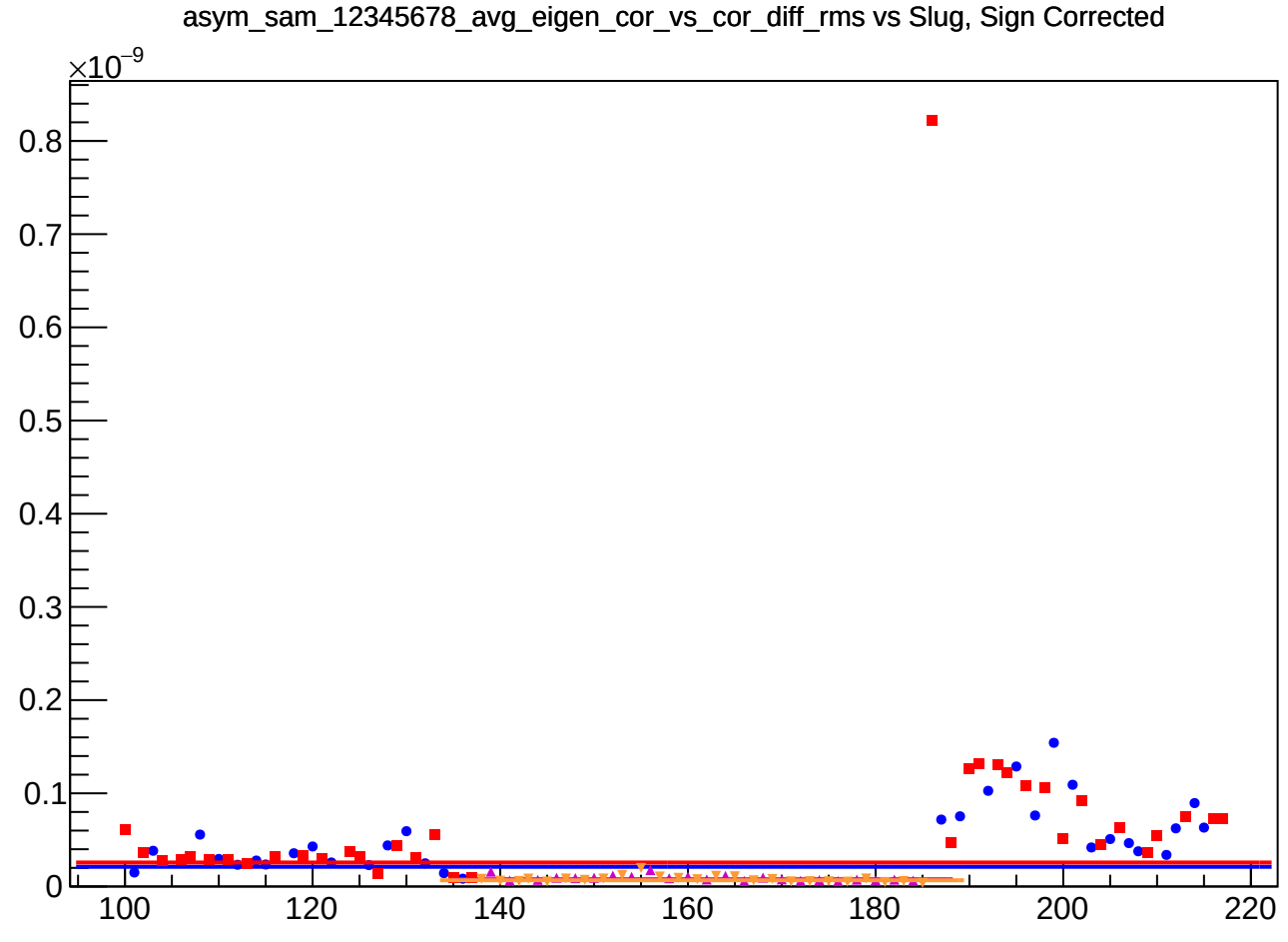
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 75.8/66

In: 0.000+/-0.000 χ^2/NDF:44.5/53

Out: 0.000+/-0.000 χ^2/NDF:81.9/60

All: 0.000+/-0.000 χ^2/NDF: 126.4/114



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: 9673570.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

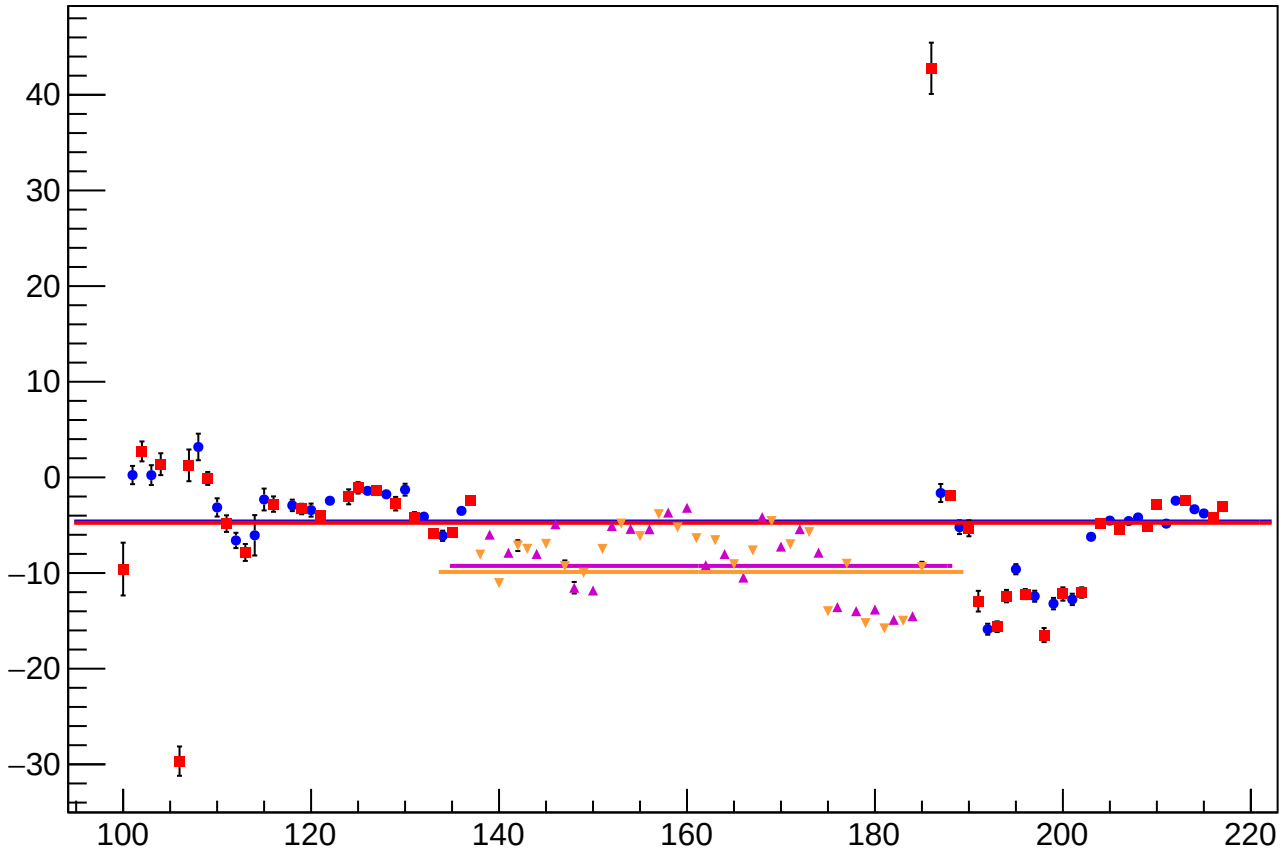
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 20062621.3/66

In: 0.000+/-0.000 χ^2/NDF:16776688.3/53

Out: 0.000+/-0.000 χ^2/NDF:19858899.7/60

All: 0.000+/-0.000 χ^2/NDF: 36968565.0/114



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: -4.750+/-0.082 χ^2/NDF: 2433.5/35

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

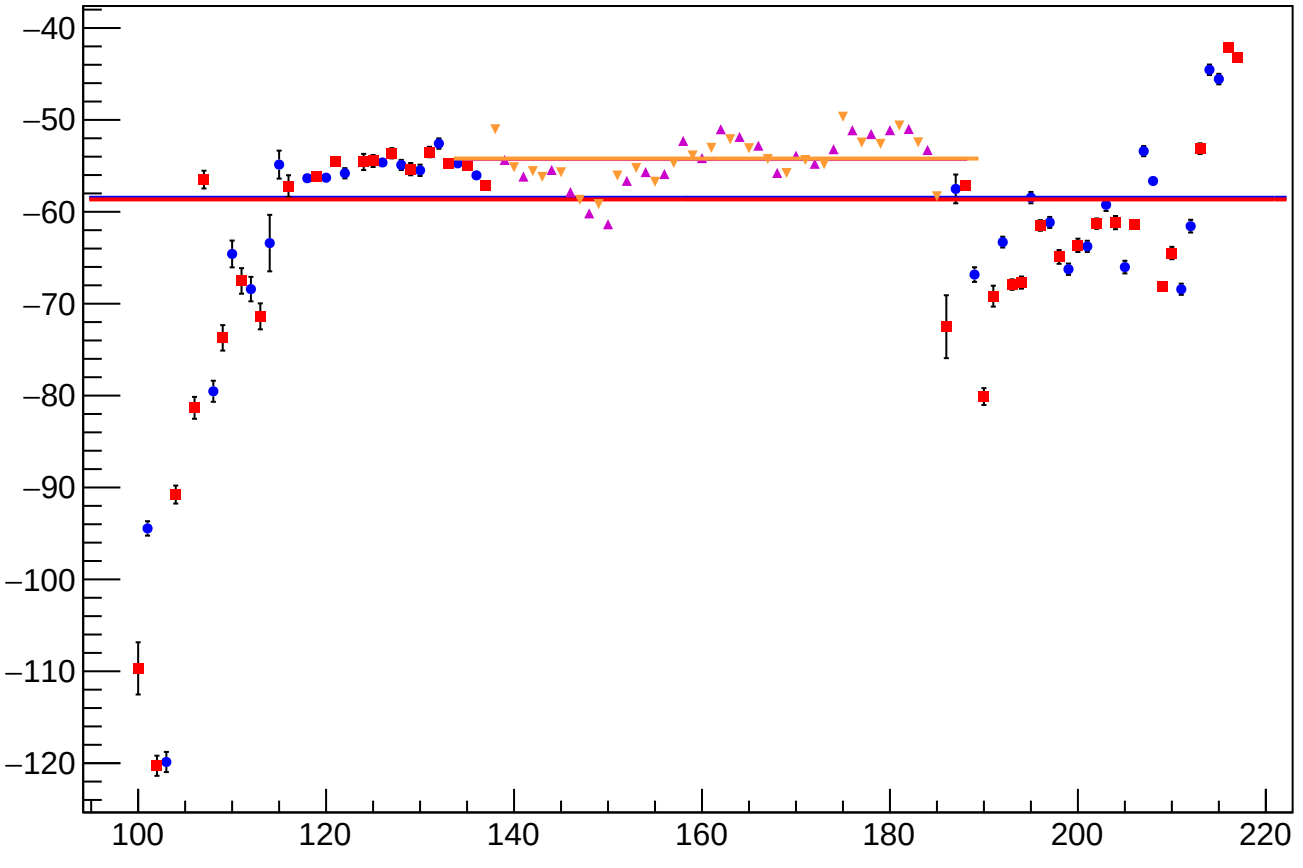
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.682+/-0.059 χ^2/NDF: 3833.3/66

In: -7.305+/-0.055 χ^2/NDF:6230.8/53

Out: -7.729+/-0.053 χ^2/NDF:7933.0/60

All: -7.523+/-0.038 χ^2/NDF: 14194.7/114



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: -58.652+/-0.103 χ^2/NDF: 9482.4/35

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

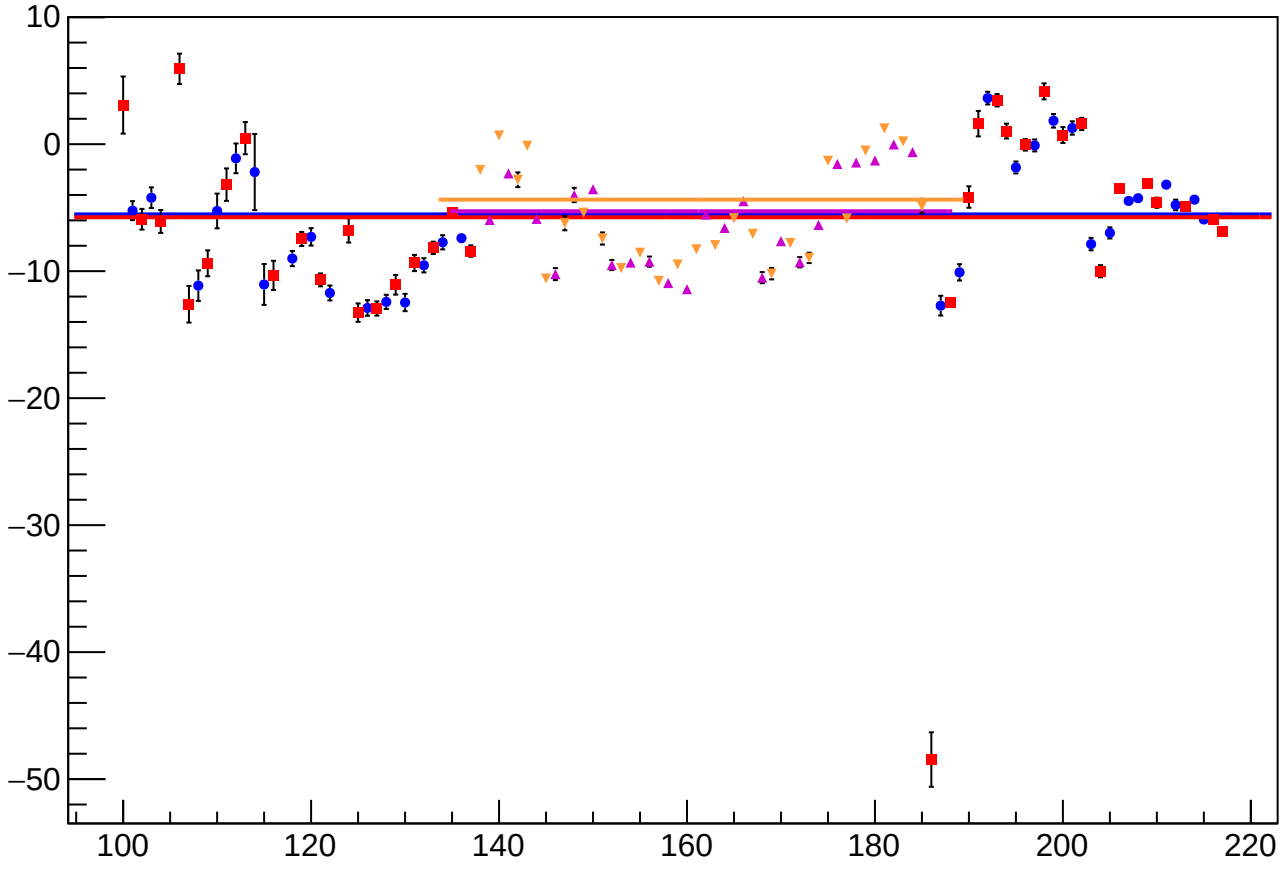
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -58.563+/-0.073 χ^2/NDF: 17661.9/66

In: -55.261+/-0.051 χ^2/NDF:11911.6/53

Out: -55.223+/-0.049 χ^2/NDF:12790.6/60

All: -55.241+/-0.035 χ^2/NDF: 24702.5/114



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: -5.756+/-0.084 χ^2/NDF: 3287.6/35

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

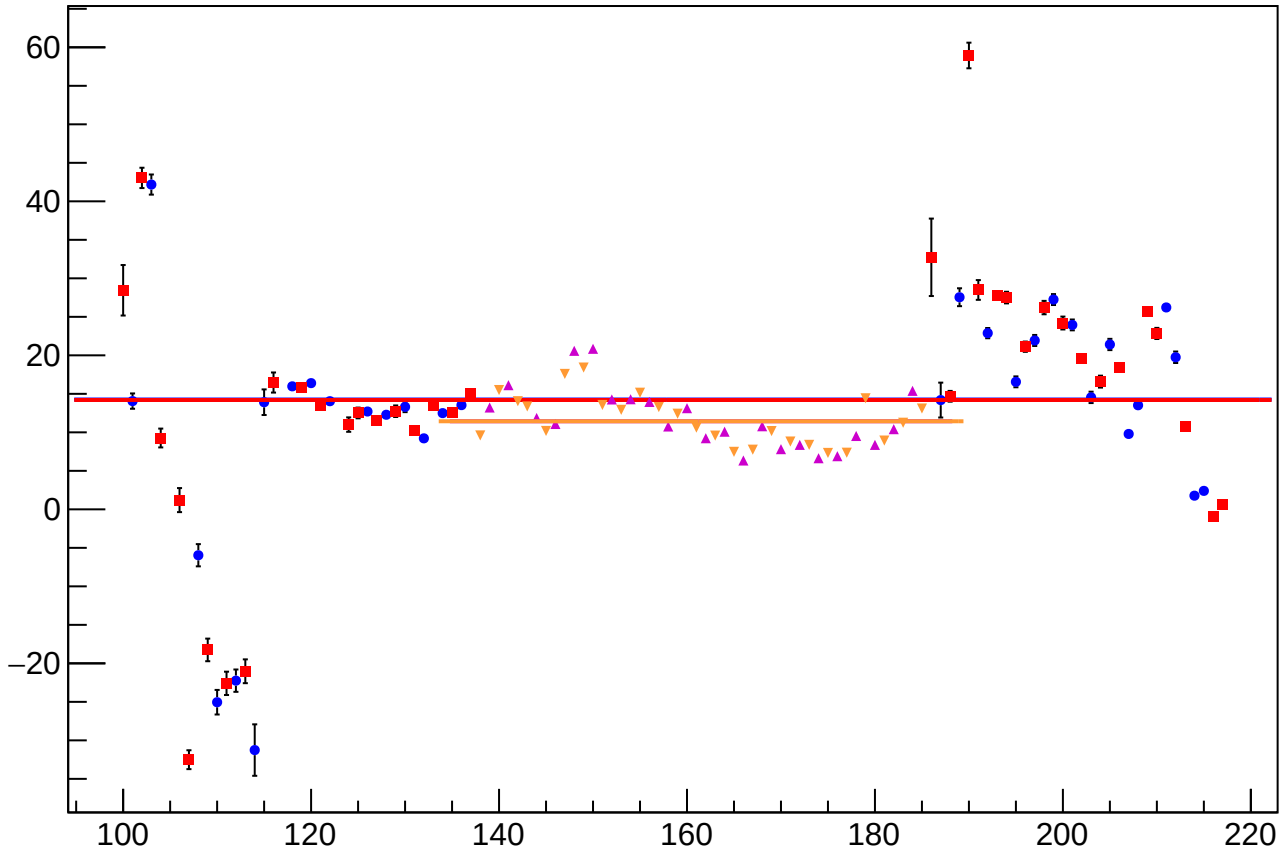
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.646+/-0.060 χ^2/NDF: 5183.2/66

In: -5.383+/-0.055 χ^2/NDF:4647.1/53

Out: -4.932+/-0.053 χ^2/NDF:7152.9/60

All: -5.151+/-0.038 χ^2/NDF: 11834.8/114



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: 14.202+/-0.115 χ^2/NDF: 7931.1/35

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

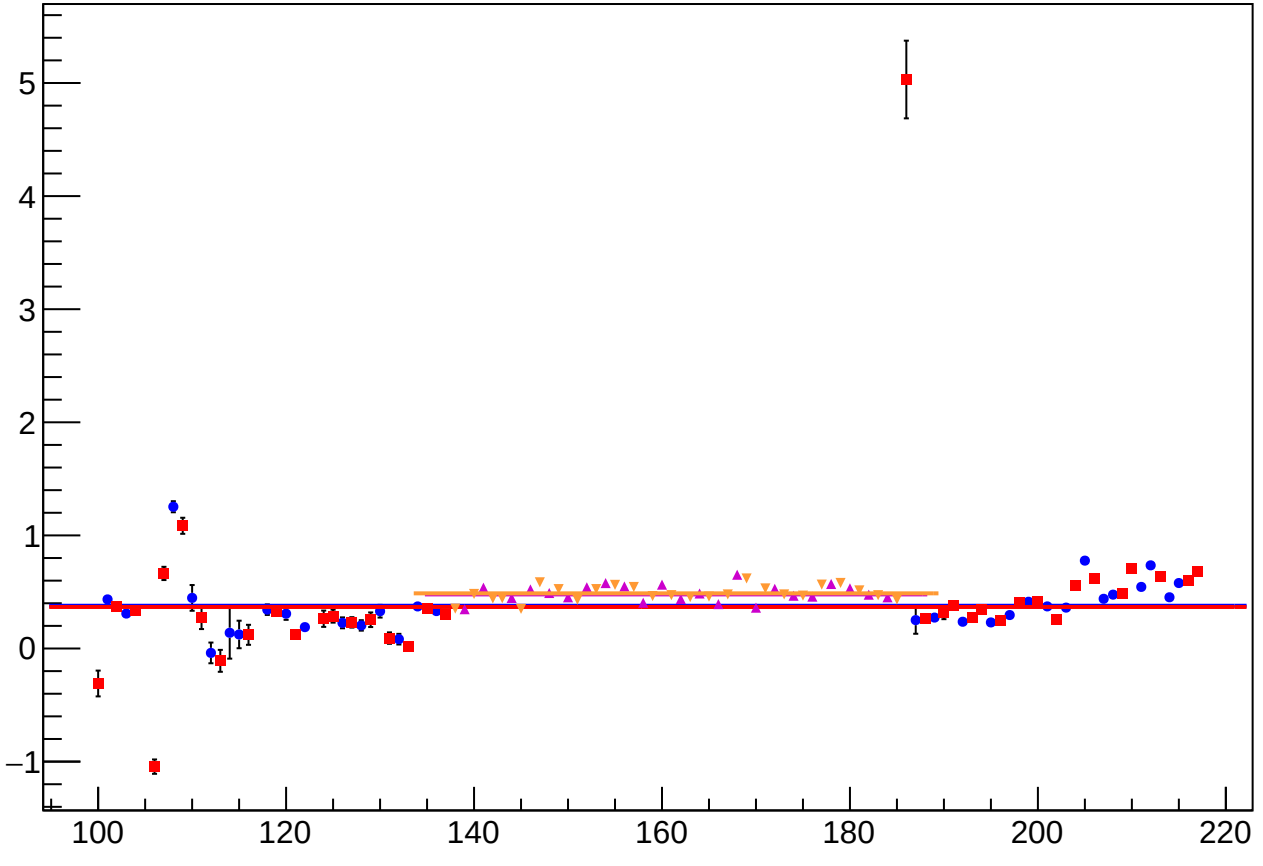
Right: 14.230+/-0.082 χ^2/NDF: 12485.6/66

In: 12.105+/-0.056 χ^2/NDF:8366.5/53

Out: 12.059+/-0.055 χ^2/NDF:10813.5/60

All: 12.081+/-0.039 χ^2/NDF: 19180.3/114

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.378+/-0.005 χ^2/NDF: 928.6/30

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.367+/-0.005 χ^2/NDF: 1692.7/35

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

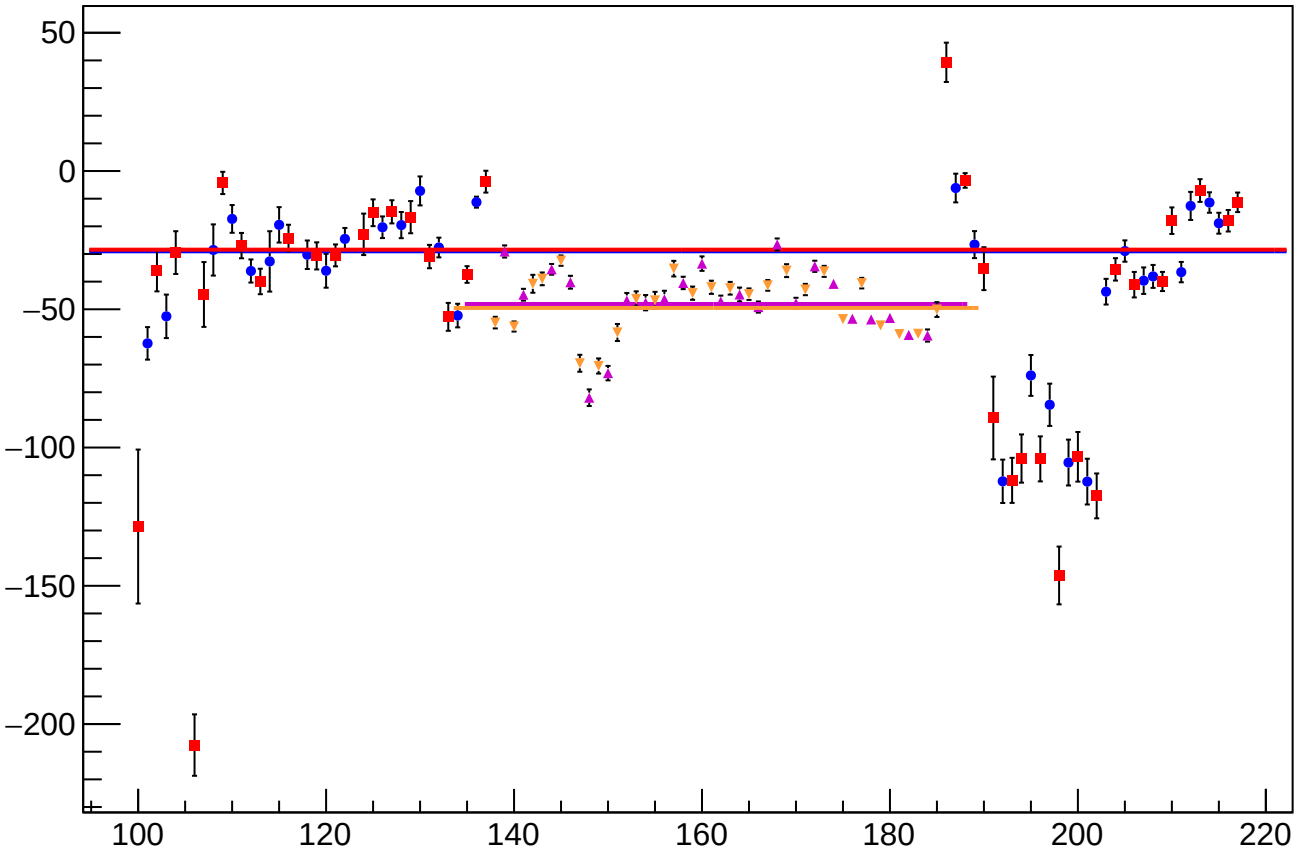
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.373+/-0.004 χ^2/NDF: 2623.5/66

In: 0.456+/-0.002 χ^2/NDF:2025.7/53

Out: 0.461+/-0.002 χ^2/NDF:2657.6/60

All: 0.459+/-0.002 χ^2/NDF: 4686.1/114



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: -28.439+/-0.823 χ^2/NDF: 1279.3/35

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

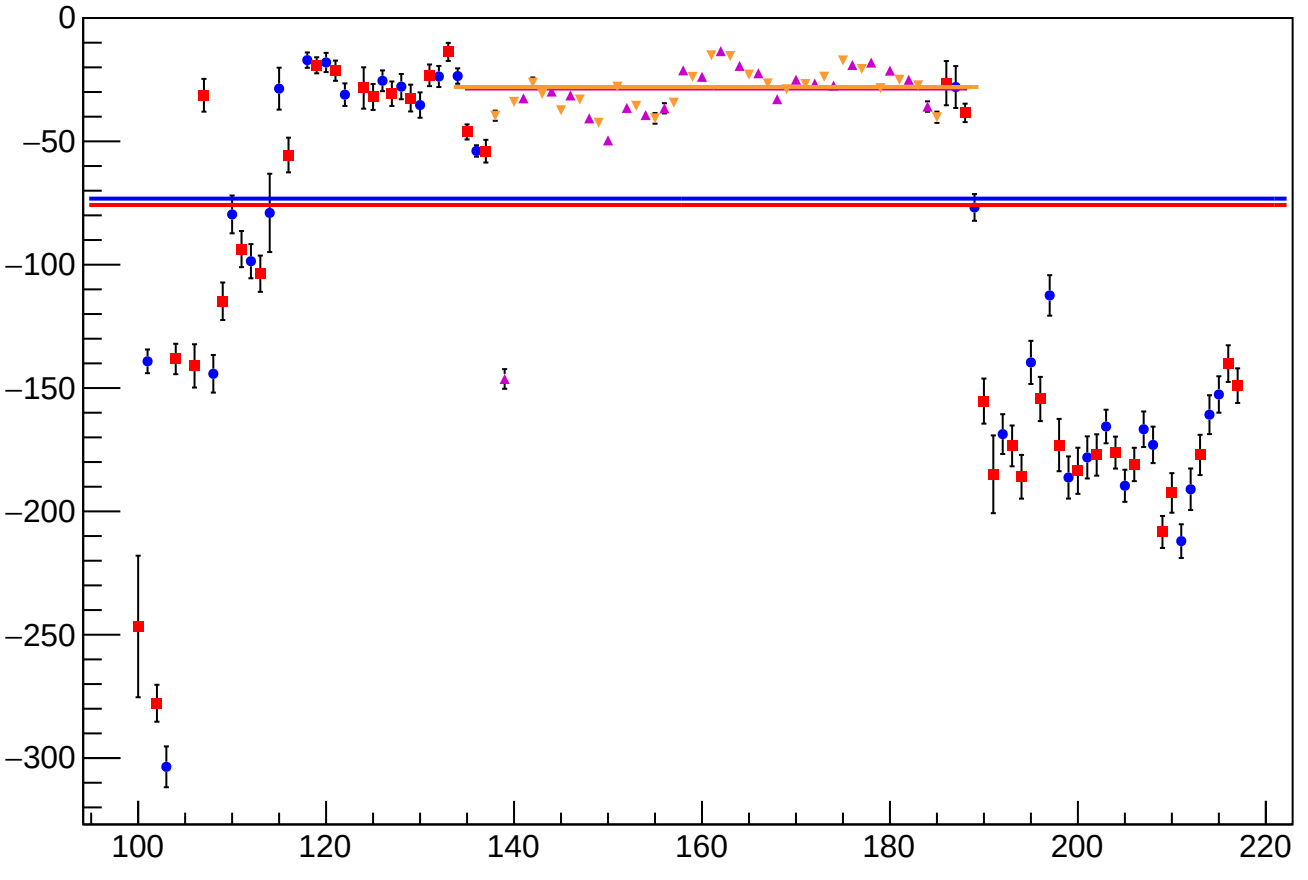
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -28.733+/-0.582 χ^2/NDF: 1942.3/66

In: -44.168+/-0.373 χ^2/NDF:1795.4/53

Out: -45.446+/-0.361 χ^2/NDF:2385.4/60

All: -44.827+/-0.260 χ^2/NDF: 4186.9/114



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: -75.800+/-0.986 χ^2/NDF: 4730.8/35

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

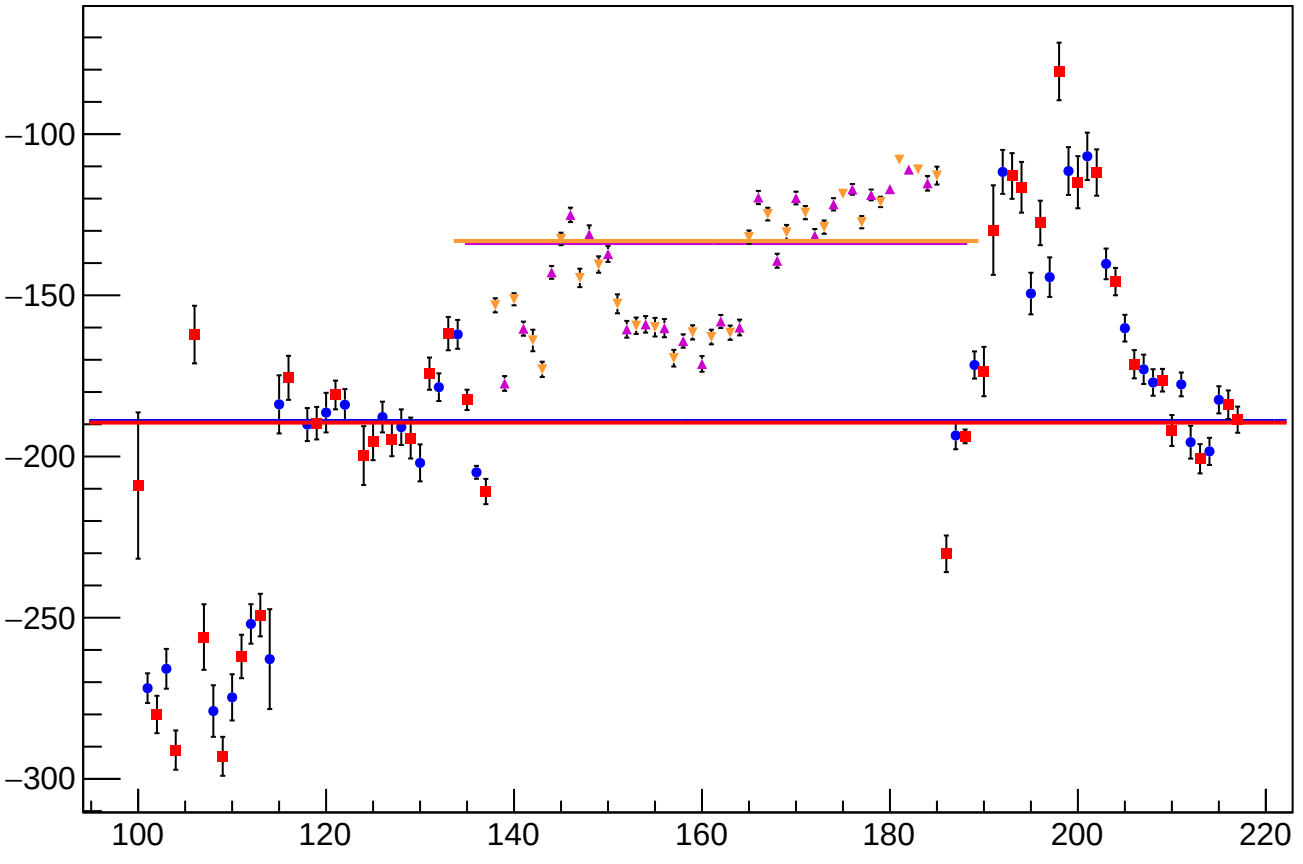
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -74.468+/-0.686 χ^2/NDF: 9436.3/66

In: -33.446+/-0.315 χ^2/NDF:8128.9/53

Out: -32.541+/-0.305 χ^2/NDF:7355.6/60

All: -32.980+/-0.219 χ^2/NDF: 15488.7/114



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: -189.481+/-0.851 χ^2/NDF: 2006.7/35

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

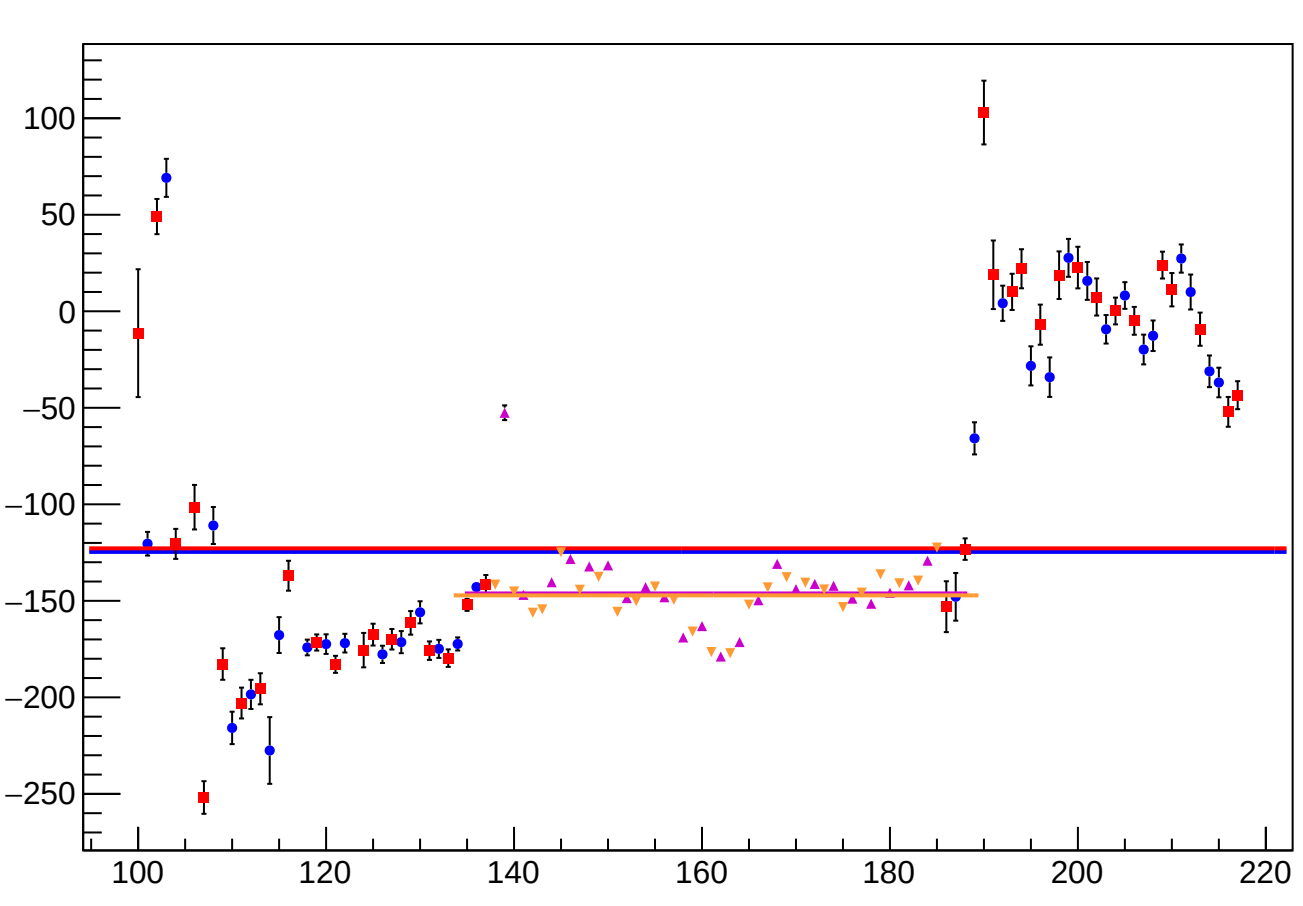
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -189.229+/-0.602 χ^2/NDF: 3659.7/66

In: -144.422+/-0.375 χ^2/NDF:7473.0/53

Out: -143.470+/-0.364 χ^2/NDF:8116.2/60

All: -143.933+/-0.261 χ^2/NDF: 15592.5/114



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: -122.815+/-1.122 χ^2/NDF: 4692.9/35

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

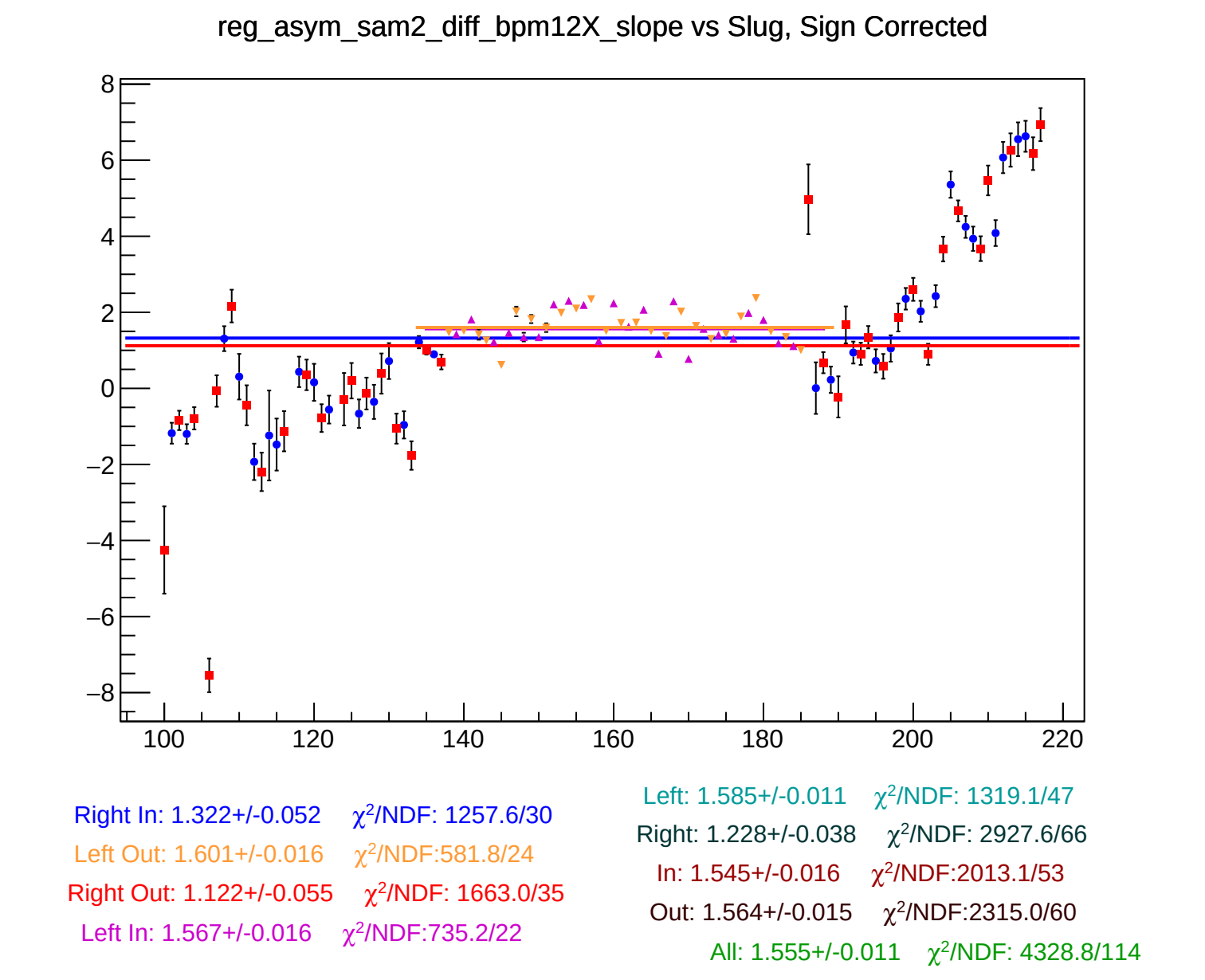
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

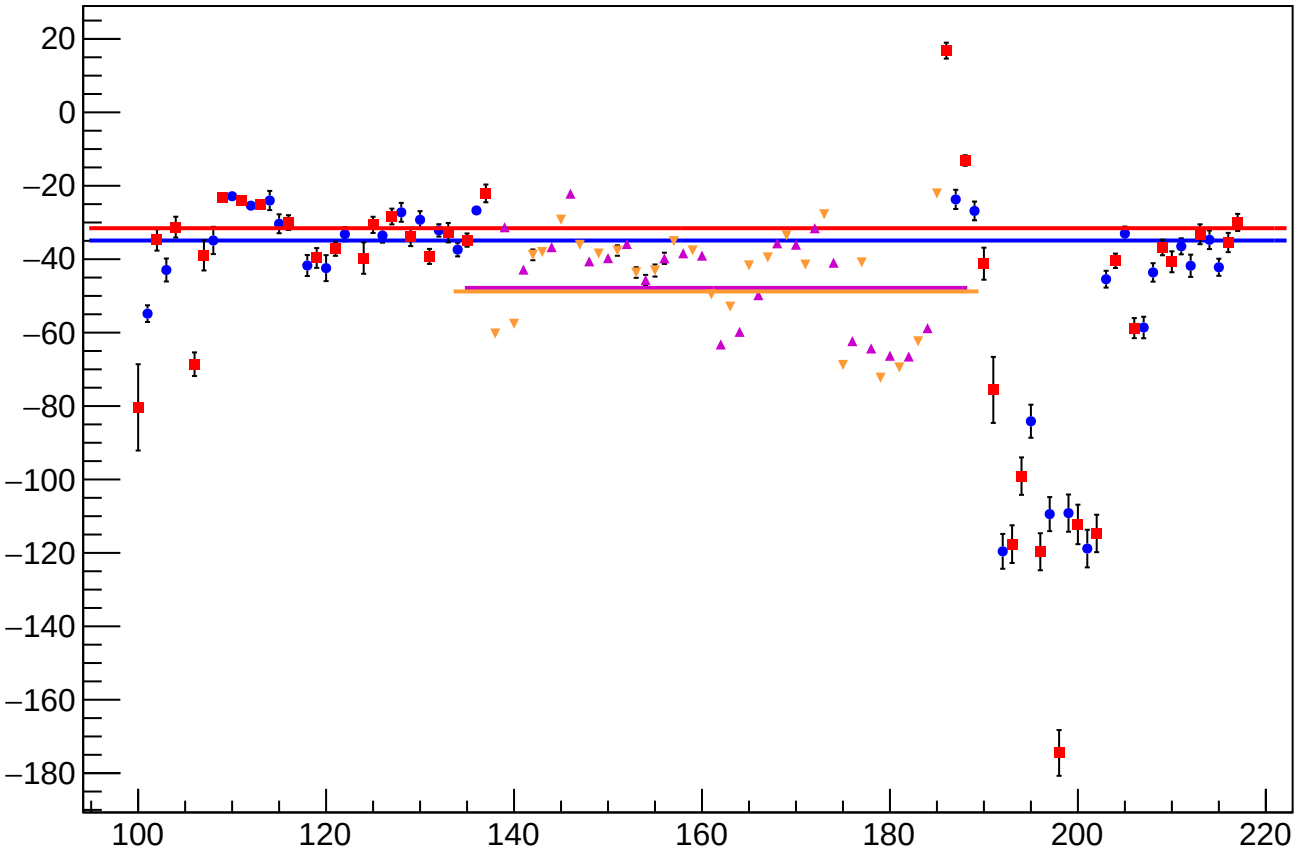
Right: -123.774+/-0.774 χ^2/NDF: 9078.4/66

In: -143.867+/-0.350 χ^2/NDF:6539.5/53

Out: -144.914+/-0.341 χ^2/NDF:6366.3/60

All: -144.404+/-0.244 χ^2/NDF: 12910.4/114


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 1.322+/-0.052 χ²/NDF: 1257.6/30
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 1.122+/-0.055 χ²/NDF: 1663.0/35
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 1.228+/-0.038 χ²/NDF: 2927.6/66
In: 1.545+/-0.016 χ²/NDF:2013.1/53
Out: 1.564+/-0.015 χ²/NDF:2315.0/60
All: 1.555+/-0.011 χ²/NDF: 4328.8/114



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: -31.557+/-0.375 χ^2/NDF: 2956.3/35

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

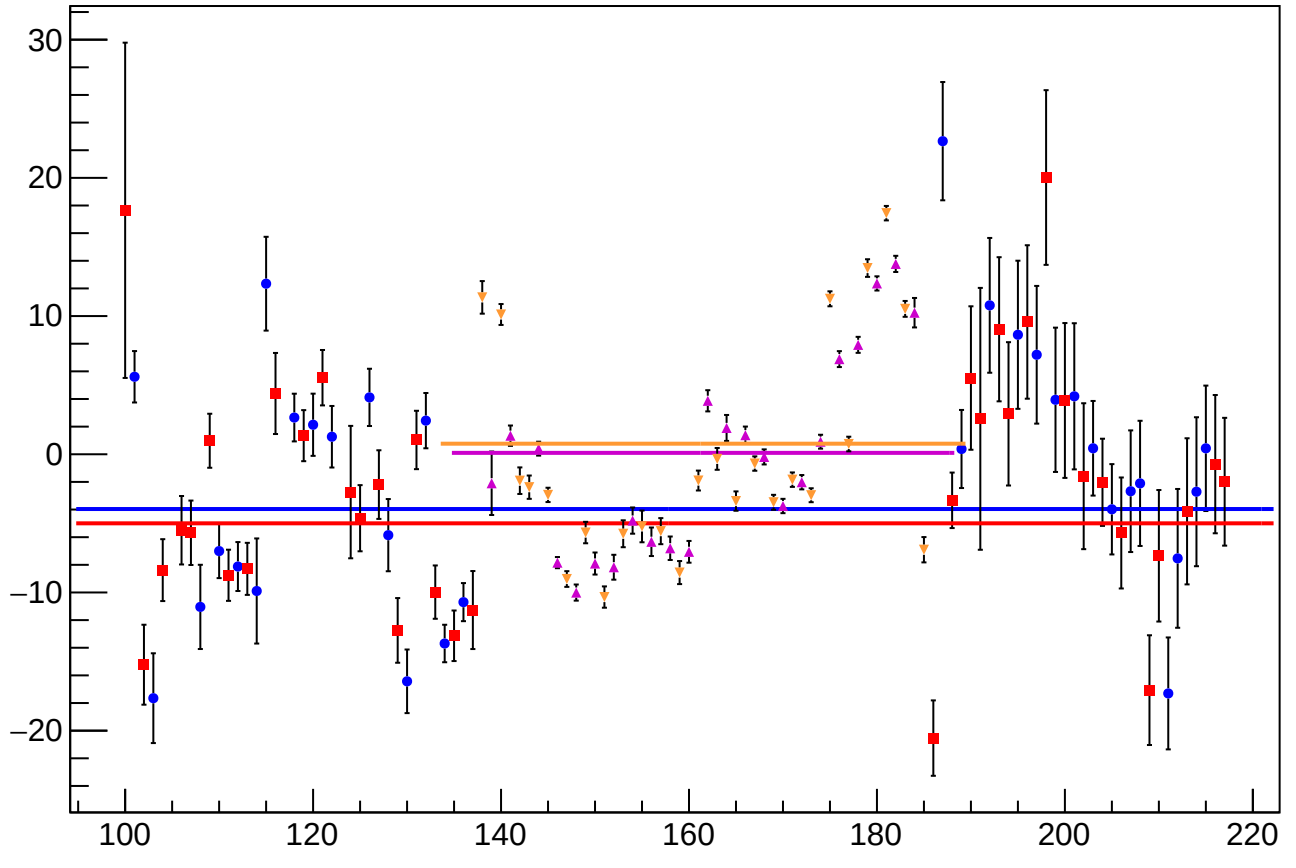
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -33.157+/-0.271 χ^2/NDF: 4665.9/66

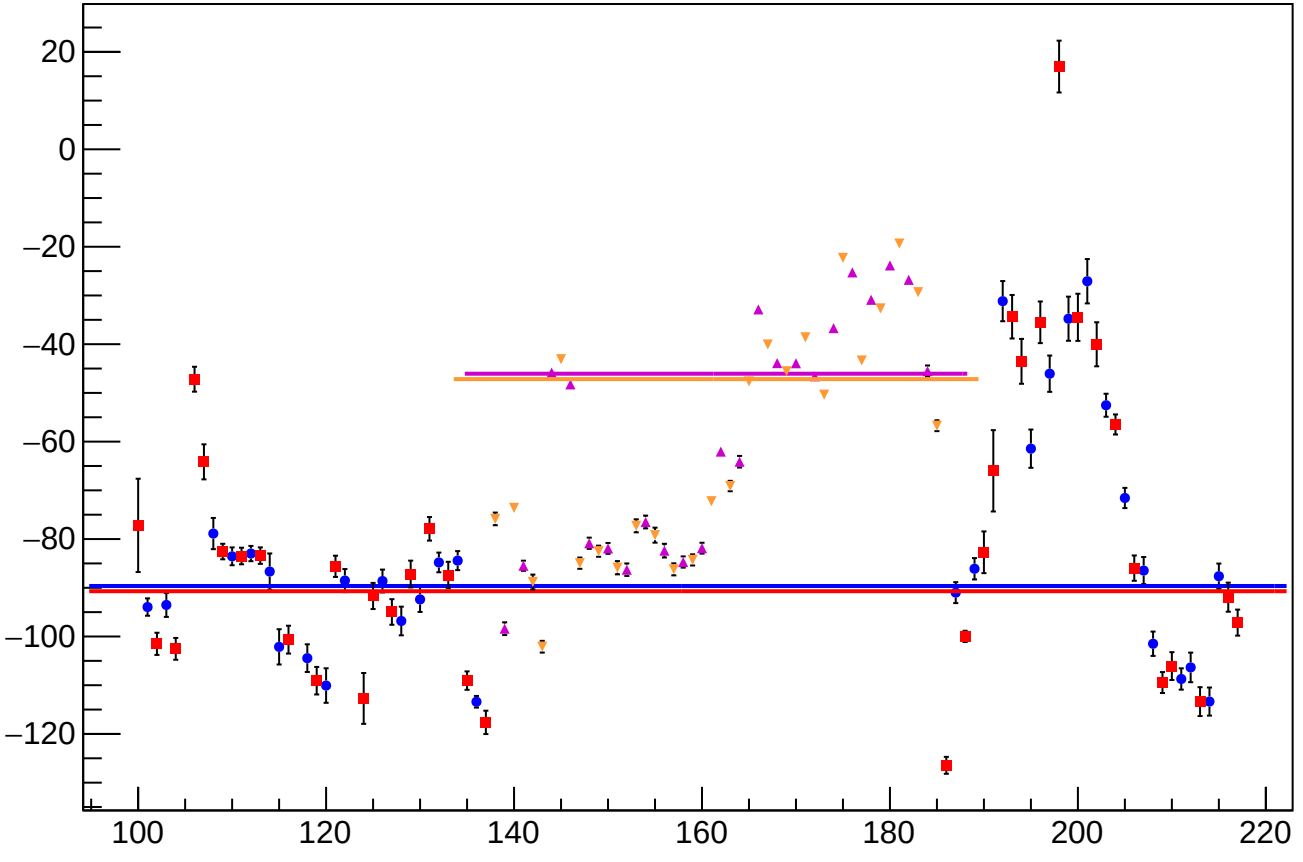
In: -45.784+/-0.156 χ^2/NDF:9805.3/53

Out: -45.939+/-0.152 χ^2/NDF:13671.6/60

All: -45.864+/-0.109 χ^2/NDF: 23477.4/114


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: -4.997+/-0.463 χ²/NDF: 221.2/35
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.479+/-0.327 χ²/NDF: 544.7/66
In: -0.209+/-0.128 χ²/NDF:3114.2/53
Out: 0.330+/-0.127 χ²/NDF:3831.8/60
All: 0.062+/-0.090 χ²/NDF: 6954.9/114

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -90.706+/-0.412 χ^2/NDF: 2839.4/35

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

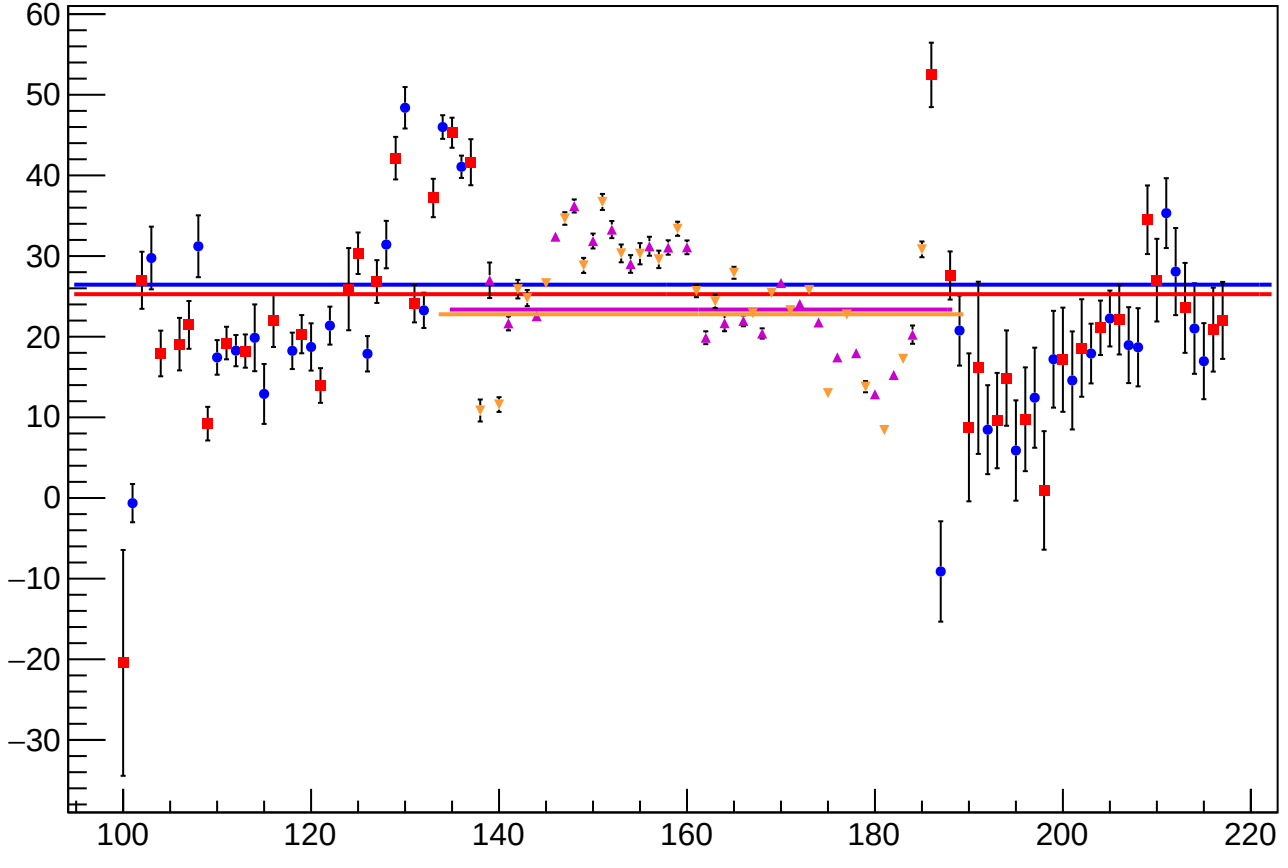
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -90.189+/-0.296 χ^2/NDF: 4628.5/66

In: -52.017+/-0.158 χ^2/NDF:25522.7/53

Out: -53.357+/-0.155 χ^2/NDF:30099.4/60

All: -52.700+/-0.111 χ^2/NDF: 55658.8/114



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: 25.273+/-0.530 χ^2/NDF: 443.5/35

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

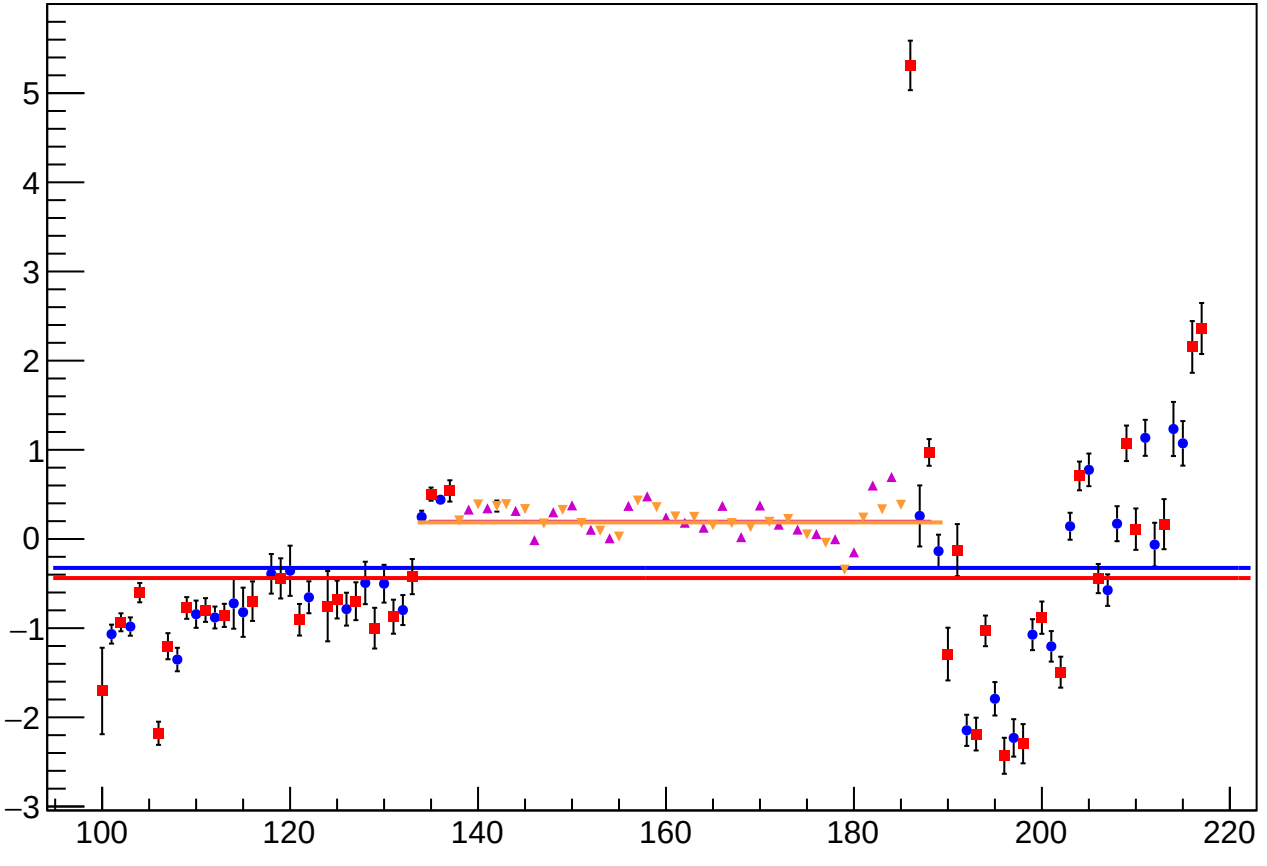
Right: 25.874+/-0.371 χ^2/NDF: 1125.6/66

In: 23.600+/-0.143 χ^2/NDF:2497.6/53

Out: 22.961+/-0.142 χ^2/NDF:2877.0/60

All: 23.278+/-0.101 χ^2/NDF: 5384.6/114

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.438+/-0.027 χ^2/NDF: 1653.7/35

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

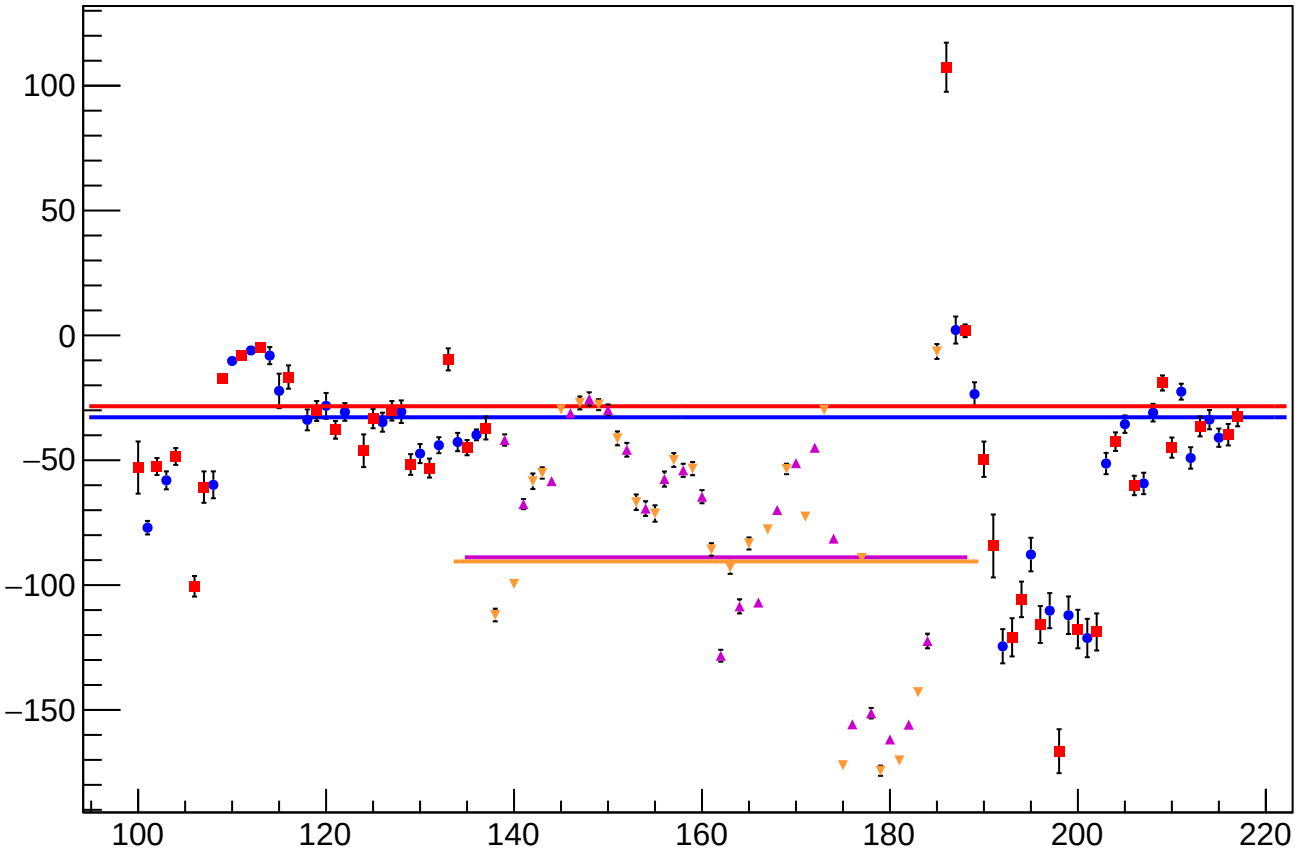
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.379+/-0.019 χ^2/NDF: 2587.1/66

In: 0.162+/-0.006 χ^2/NDF:2228.5/53

Out: 0.152+/-0.006 χ^2/NDF:2791.7/60

All: 0.157+/-0.005 χ^2/NDF: 5021.3/114



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: -28.381+/-0.571 χ^2/NDF: 2434.9/35

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

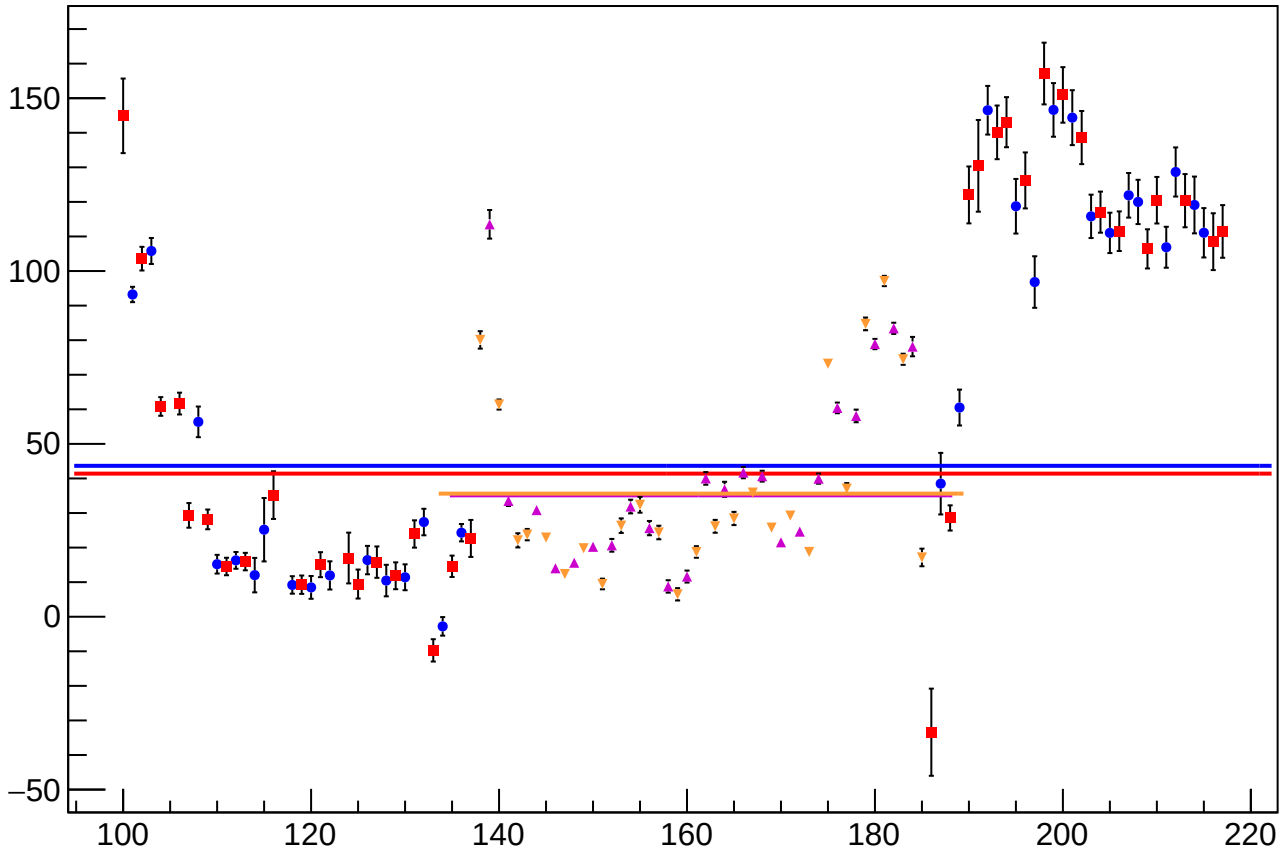
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.420+/-0.419 χ^2/NDF: 4145.0/66

In: -70.268+/-0.355 χ^2/NDF:19030.8/53

Out: -68.645+/-0.339 χ^2/NDF:25458.9/60

All: -69.419+/-0.245 χ^2/NDF: 44500.6/114



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: 41.397+/-0.719 χ^2/NDF: 3488.0/35

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

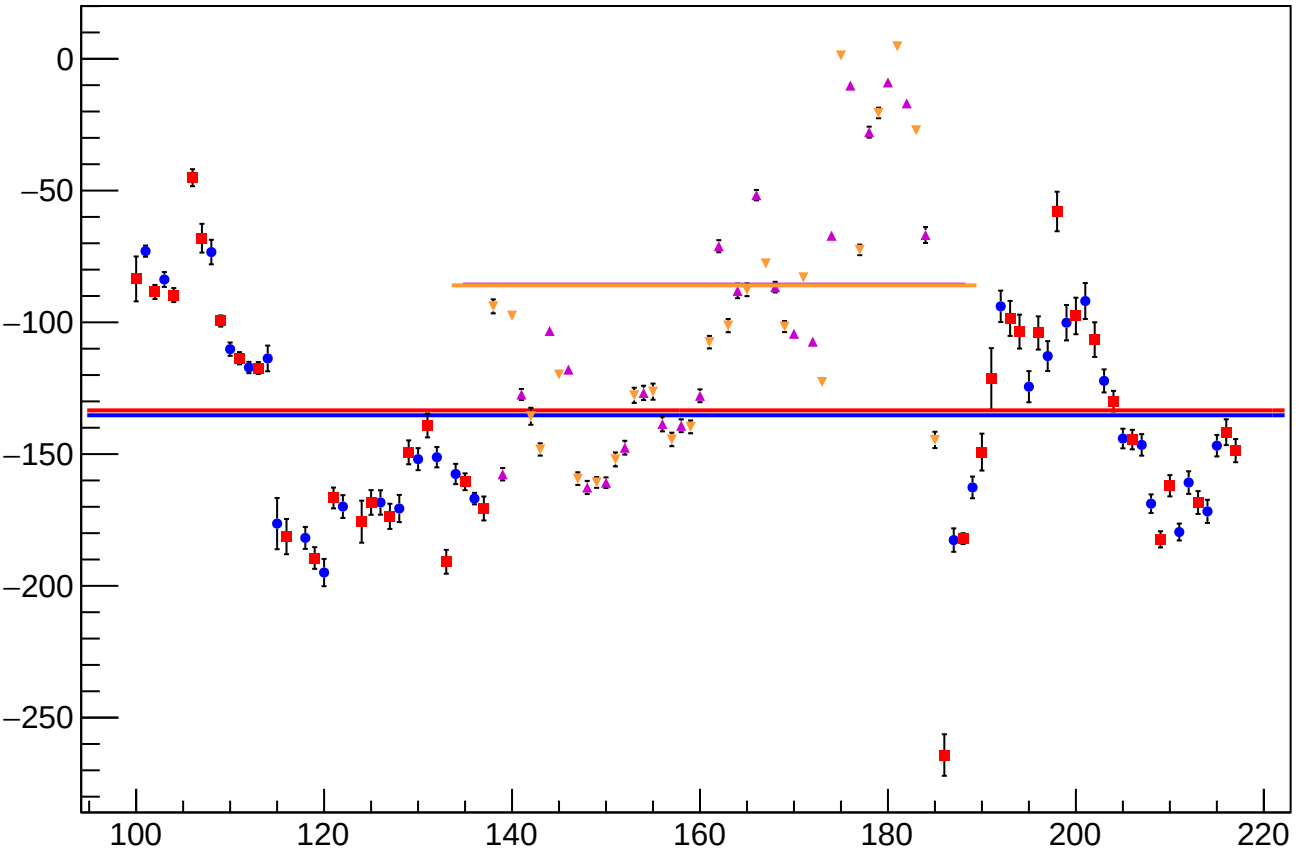
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 42.503+/-0.514 χ^2/NDF: 7149.5/66

In: 36.595+/-0.306 χ^2/NDF:7913.2/53

Out: 36.596+/-0.297 χ^2/NDF:9514.7/60

All: 36.596+/-0.213 χ^2/NDF: 17427.8/114



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: -133.402+/-0.641 χ^2/NDF: 4084.1/35

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

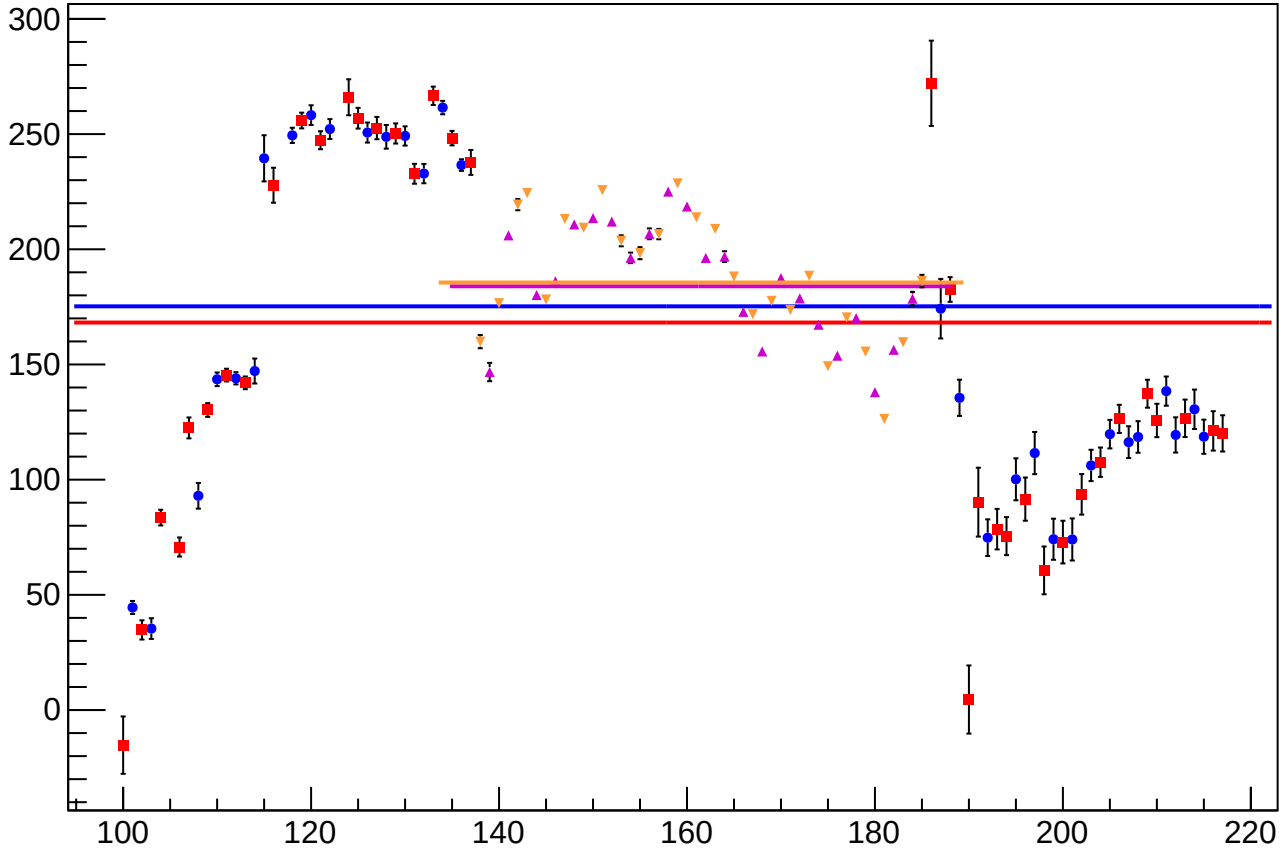
Right: -134.292+/-0.463 χ^2/NDF: 7069.7/66

In: -100.261+/-0.363 χ^2/NDF:20597.5/53

Out: -100.266+/-0.352 χ^2/NDF:24146.3/60

All: -100.264+/-0.253 χ^2/NDF: 44743.8/114

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 168.199+/-0.823 χ^2/NDF: 7871.1/35

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

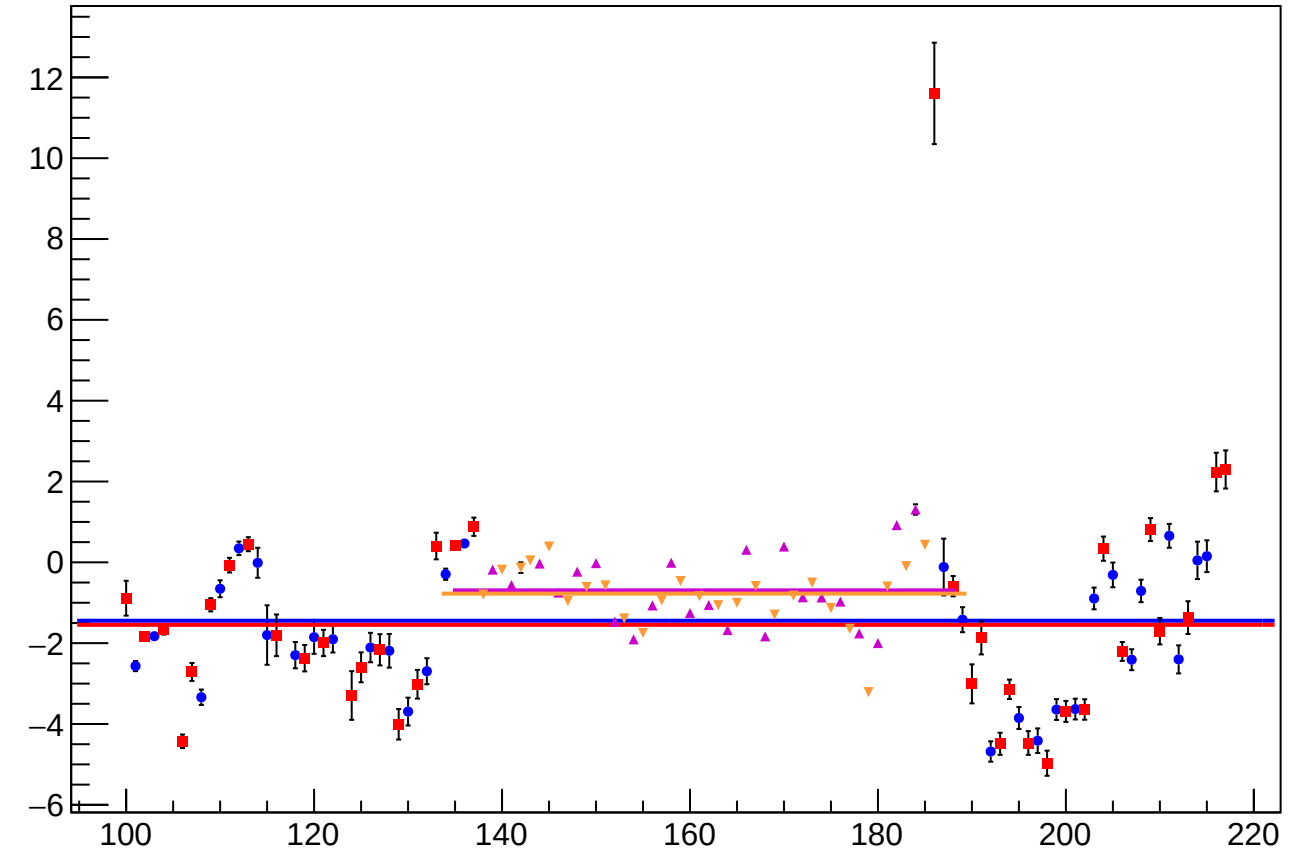
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 171.671+/-0.586 χ^2/NDF: 16271.4/66

In: 182.460+/-0.344 χ^2/NDF:12328.2/53

Out: 182.706+/-0.335 χ^2/NDF:13597.7/60

All: 182.586+/-0.240 χ^2/NDF: 25926.1/114



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: -1.546+/-0.040 χ^2/NDF: 1924.2/35

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

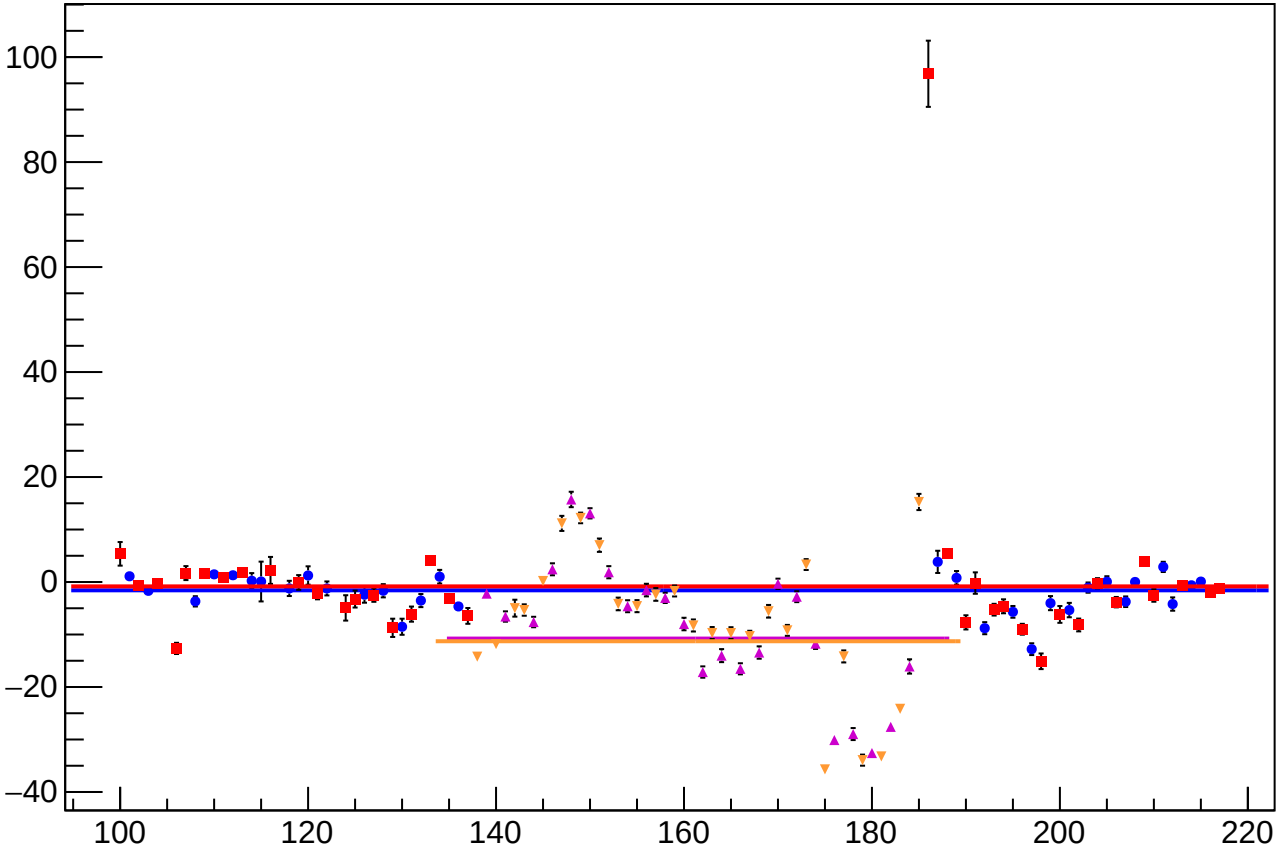
Right: -1.496+/-0.029 χ^2/NDF: 3364.7/66

In: -0.802+/-0.016 χ^2/NDF:4292.0/53

Out: -0.885+/-0.015 χ^2/NDF:4063.9/60

All: -0.844+/-0.011 χ^2/NDF: 8370.4/114

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.581+/-0.187 χ^2/NDF: 323.5/30

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.832+/-0.168 χ^2/NDF: 931.2/35

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

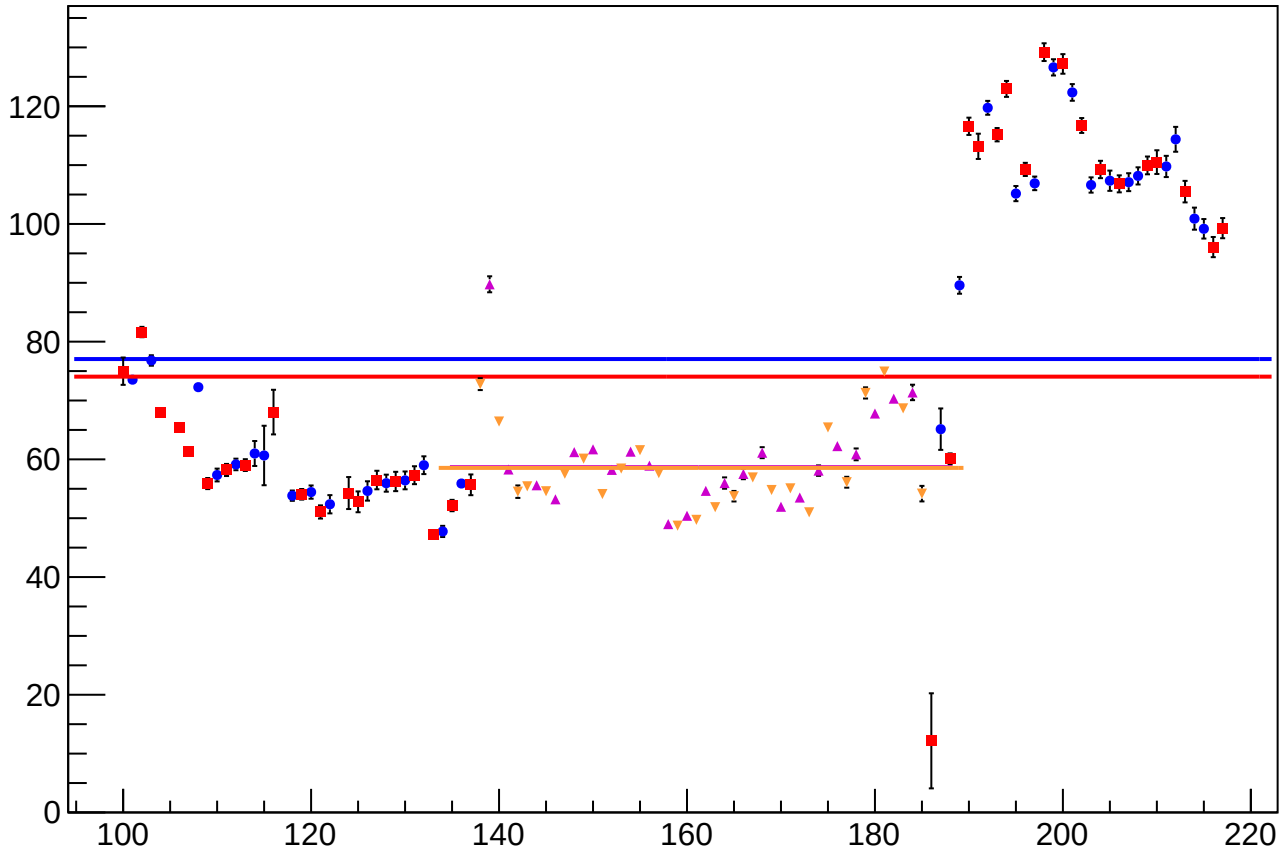
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.167+/-0.125 χ^2/NDF: 1263.6/66

In: -5.582+/-0.141 χ^2/NDF:5071.8/53

Out: -4.966+/-0.131 χ^2/NDF:6958.0/60

All: -5.251+/-0.096 χ^2/NDF: 12040.0/114



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: 74.055+/-0.201 χ^2/NDF: 16329.4/35

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

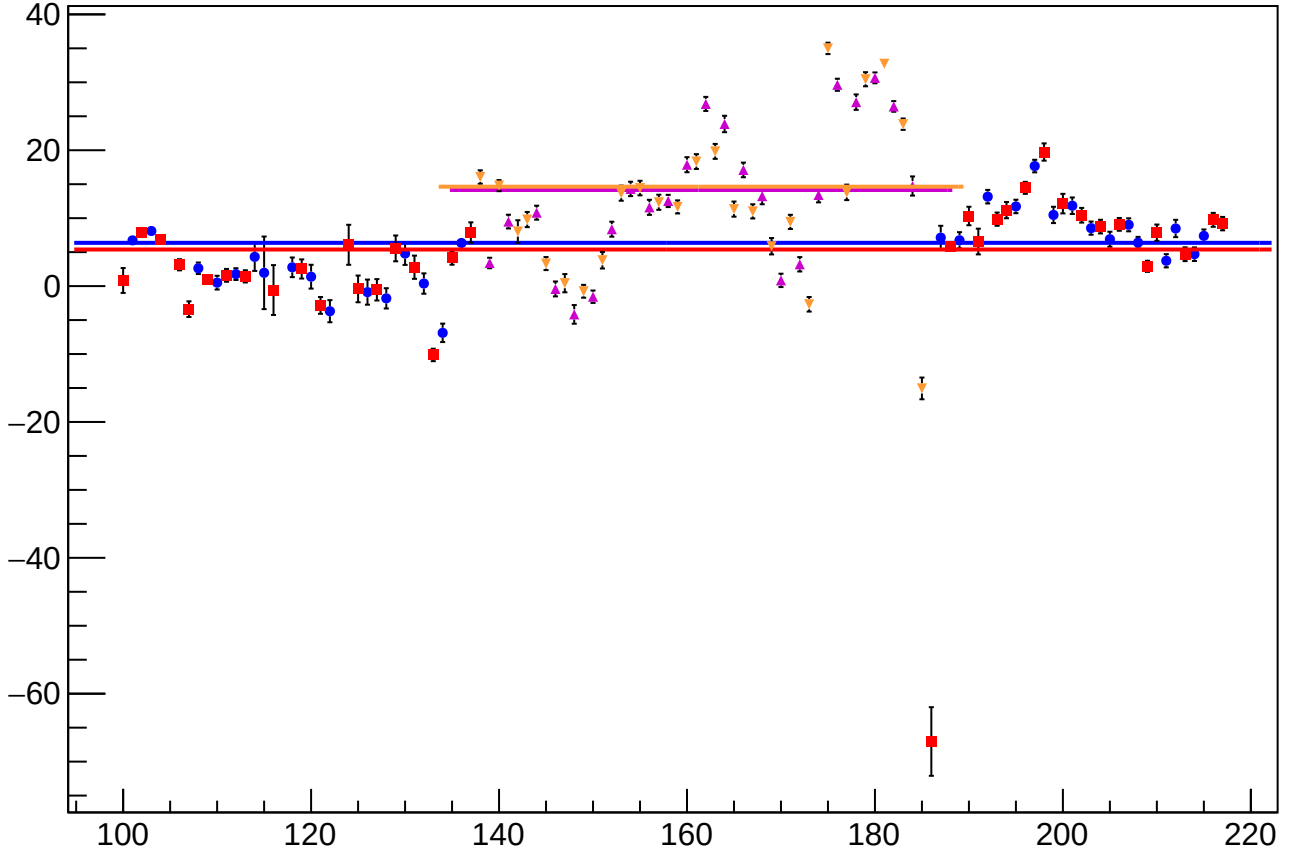
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 75.421+/-0.148 χ^2/NDF: 28411.8/66

In: 65.506+/-0.133 χ^2/NDF:18017.8/53

Out: 64.627+/-0.126 χ^2/NDF:21859.6/60

All: 65.040+/-0.091 χ^2/NDF: 39900.4/114



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: 5.387+/-0.173 χ^2/NDF: 1148.1/35

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

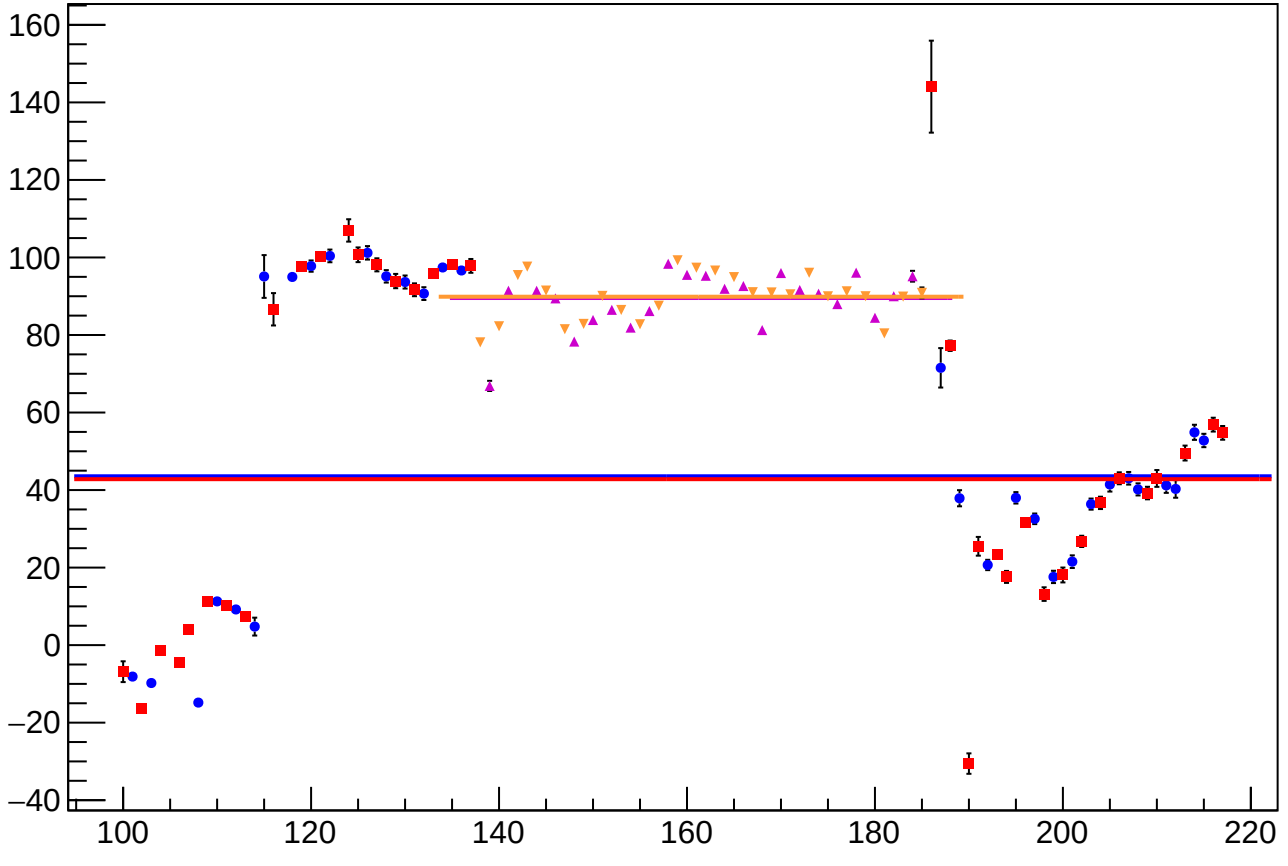
Right: 5.833+/-0.128 χ^2/NDF: 1746.5/66

In: 9.830+/-0.141 χ^2/NDF:3876.9/53

Out: 9.187+/-0.133 χ^2/NDF:5289.2/60

All: 9.489+/-0.097 χ^2/NDF: 9177.1/114

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: 42.807+/-0.234 χ^2/NDF: 31866.7/35

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

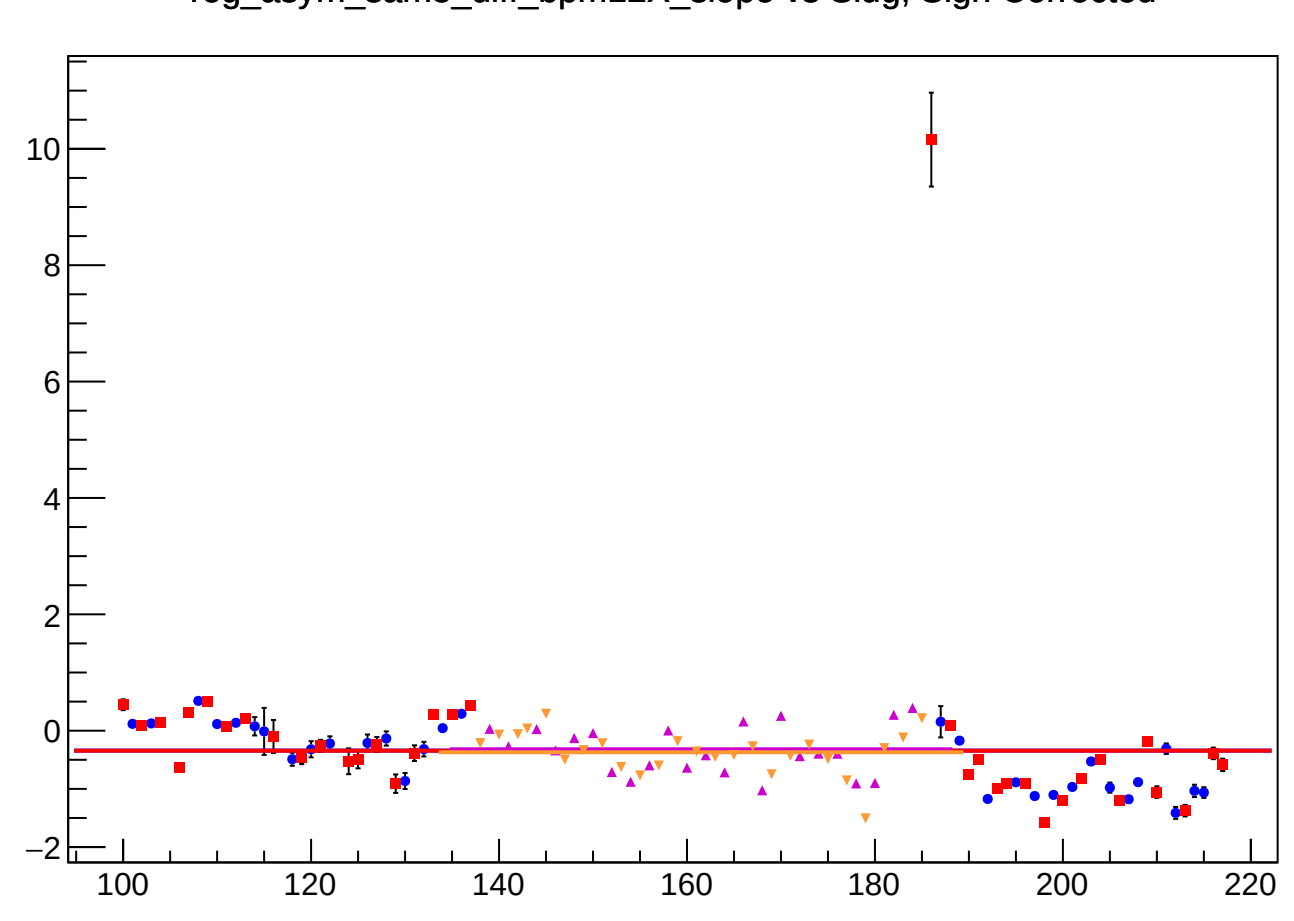
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 43.153+/-0.171 χ^2/NDF: 59874.9/66

In: 73.135+/-0.150 χ^2/NDF:50552.1/53

Out: 72.262+/-0.143 χ^2/NDF:58230.6/60

All: 72.677+/-0.104 χ^2/NDF: 108800.3/114



Right In: -0.342+/-0.010 χ^2/NDF: 3475.0/30

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.344+/-0.010 χ^2/NDF: 3858.1/35

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

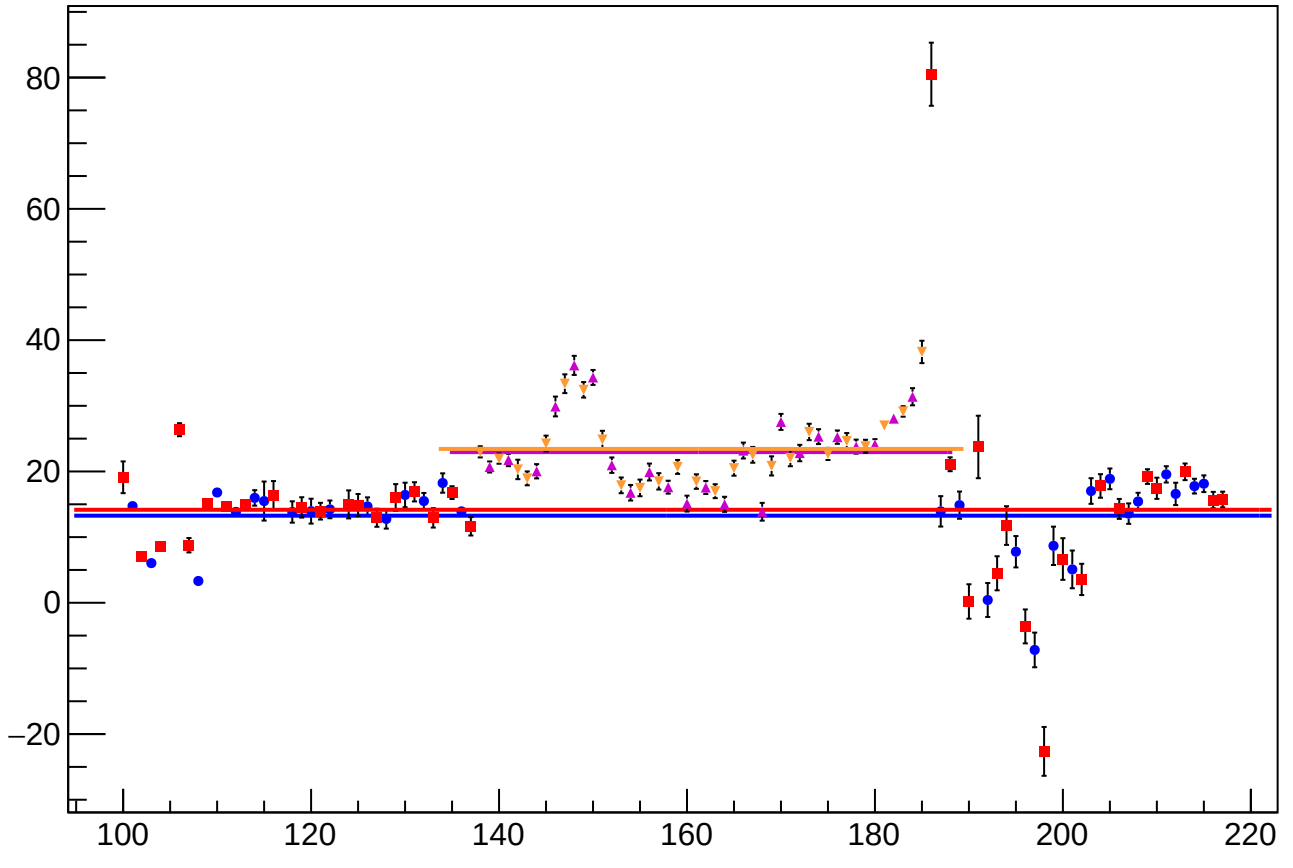
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.343+/-0.007 χ^2/NDF: 7333.1/66

In: -0.328+/-0.006 χ^2/NDF:5919.0/53

Out: -0.360+/-0.006 χ^2/NDF:5632.1/60

All: -0.344+/-0.004 χ^2/NDF: 11564.0/114



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: 14.163+/-0.183 χ^2/NDF: 911.7/35

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

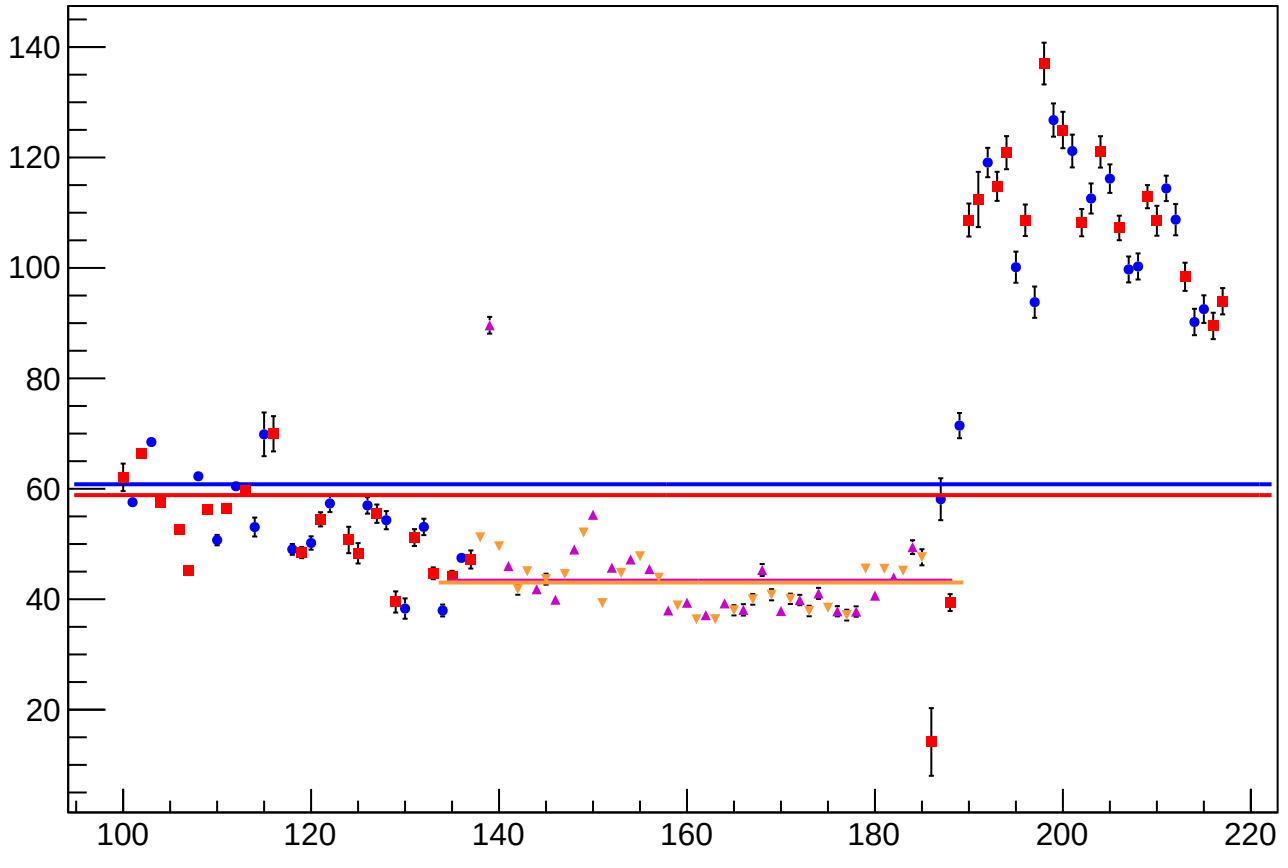
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.736+/-0.133 χ^2/NDF: 1495.5/66

In: 17.349+/-0.146 χ^2/NDF:2205.5/53

Out: 18.045+/-0.140 χ^2/NDF:2410.8/60

All: 17.713+/-0.101 χ^2/NDF: 4628.1/114



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: 58.853+/-0.212 χ^2/NDF: 7040.3/35

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

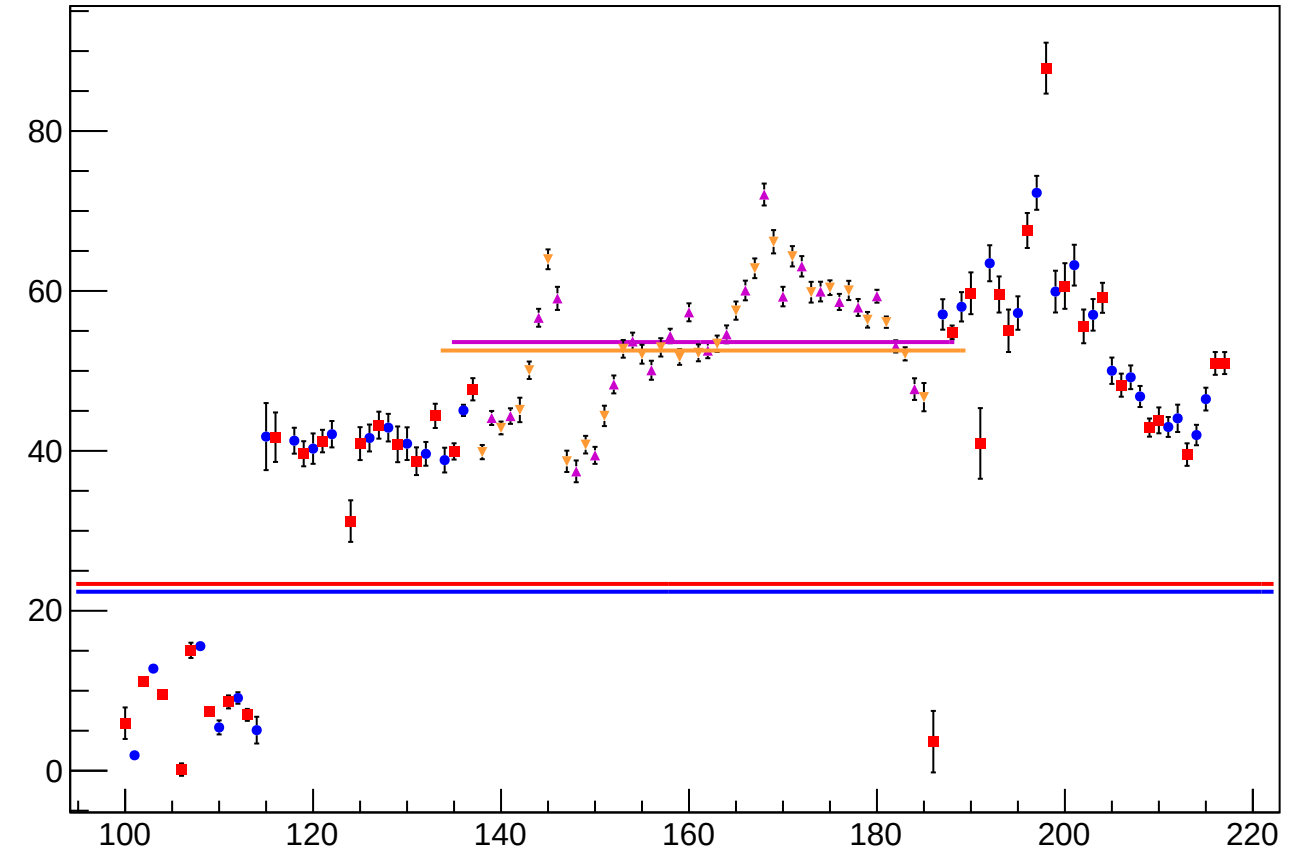
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 59.839+/-0.149 χ^2/NDF: 12803.6/66

In: 50.580+/-0.136 χ^2/NDF:11423.6/53

Out: 49.117+/-0.131 χ^2/NDF:11263.2/60

All: 49.825+/-0.094 χ^2/NDF: 22746.9/114



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: 23.360+/-0.193 χ^2/NDF: 10474.5/35

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

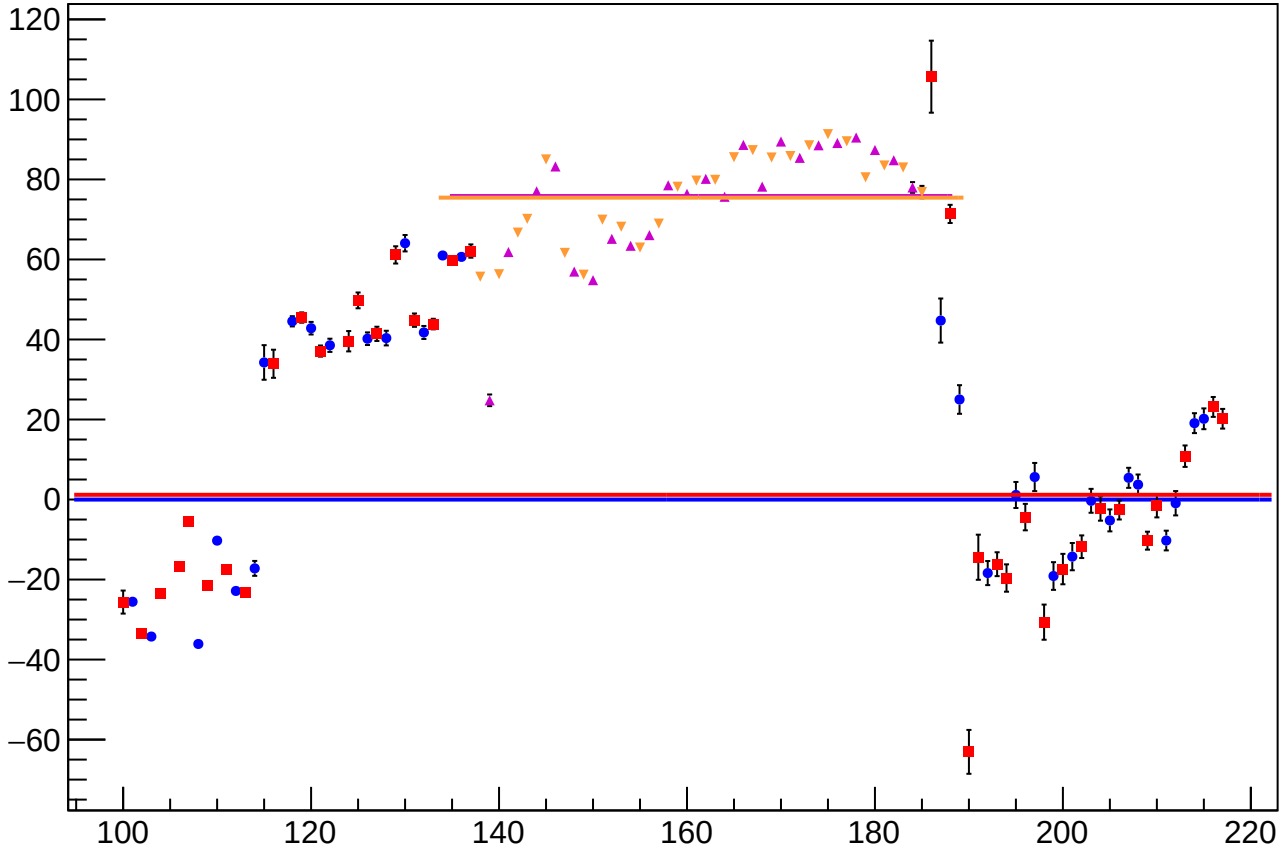
Right: 22.870+/-0.136 χ^2/NDF: 21230.2/66

In: 35.687+/-0.146 χ^2/NDF:23018.2/53

Out: 36.399+/-0.143 χ^2/NDF:21899.9/60

All: 36.048+/-0.102 χ^2/NDF: 44930.2/114

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.012+/-0.247 χ^2/NDF: 21381.9/30

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.180+/-0.248 χ^2/NDF: 17620.1/35

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

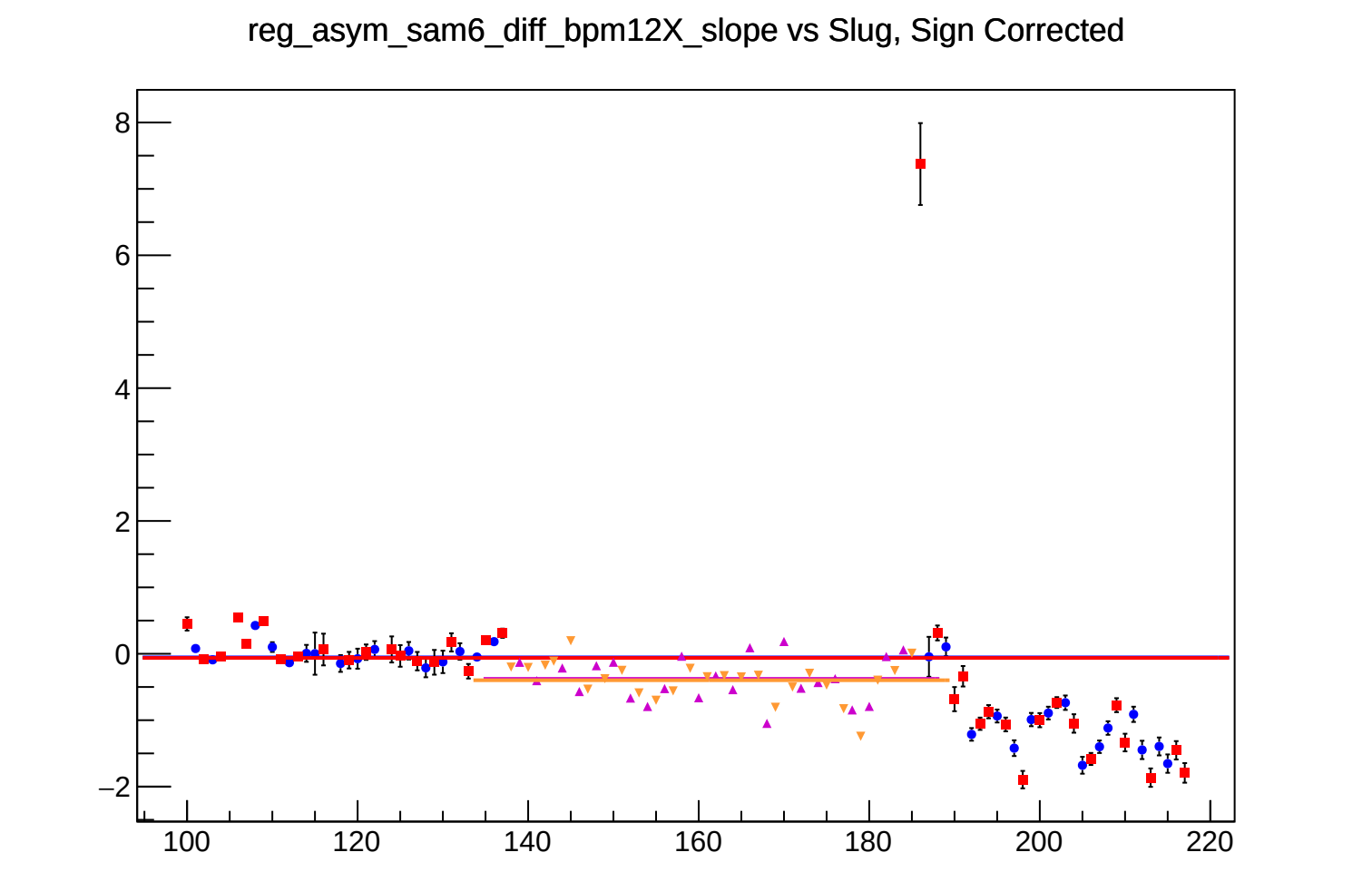
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.583+/-0.175 χ^2/NDF: 39013.6/66

In: 46.356+/-0.154 χ^2/NDF:83134.9/53

Out: 48.278+/-0.150 χ^2/NDF:77975.2/60

All: 47.343+/-0.108 χ^2/NDF: 161189.8/114



Right In: -0.054+/-0.010 χ^2/NDF: 1915.0/30

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.063+/-0.011 χ^2/NDF: 2243.8/35

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

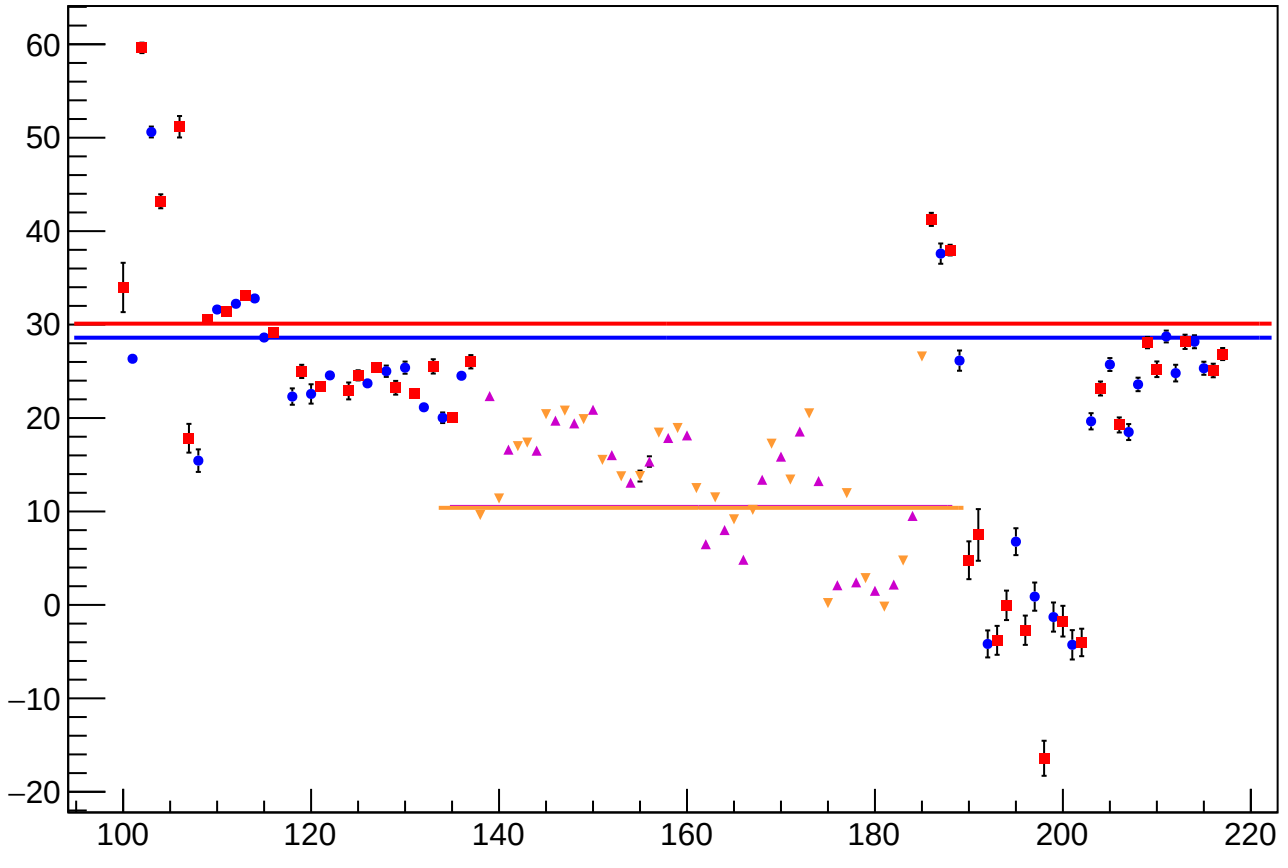
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: -0.058+/-0.007 χ^2/NDF: 4159.1/66

In: -0.248+/-0.007 χ^2/NDF:3835.0/53

Out: -0.268+/-0.007 χ^2/NDF:3891.7/60

All: -0.258+/-0.005 χ^2/NDF: 7731.5/114



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: 30.100+/-0.075 χ^2/NDF: 9022.2/35

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

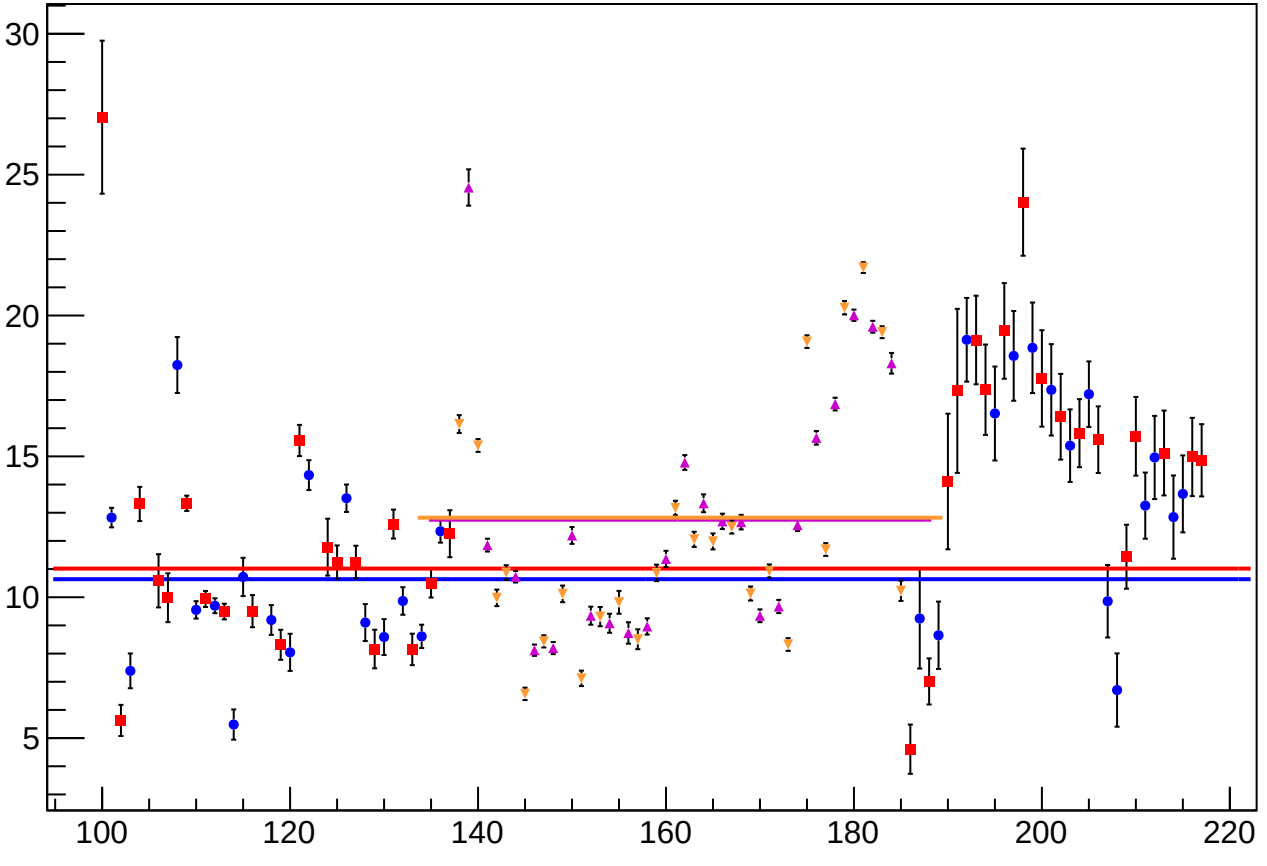
Right: 29.445+/-0.056 χ^2/NDF: 14986.5/66

In: 17.349+/-0.053 χ^2/NDF:45142.9/53

Out: 18.692+/-0.049 χ^2/NDF:62608.0/60

All: 18.071+/-0.036 χ^2/NDF: 108101.2/114

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.641+/-0.109 χ^2/NDF: 602.6/30

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 11.017+/-0.107 χ^2/NDF: 713.4/35

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

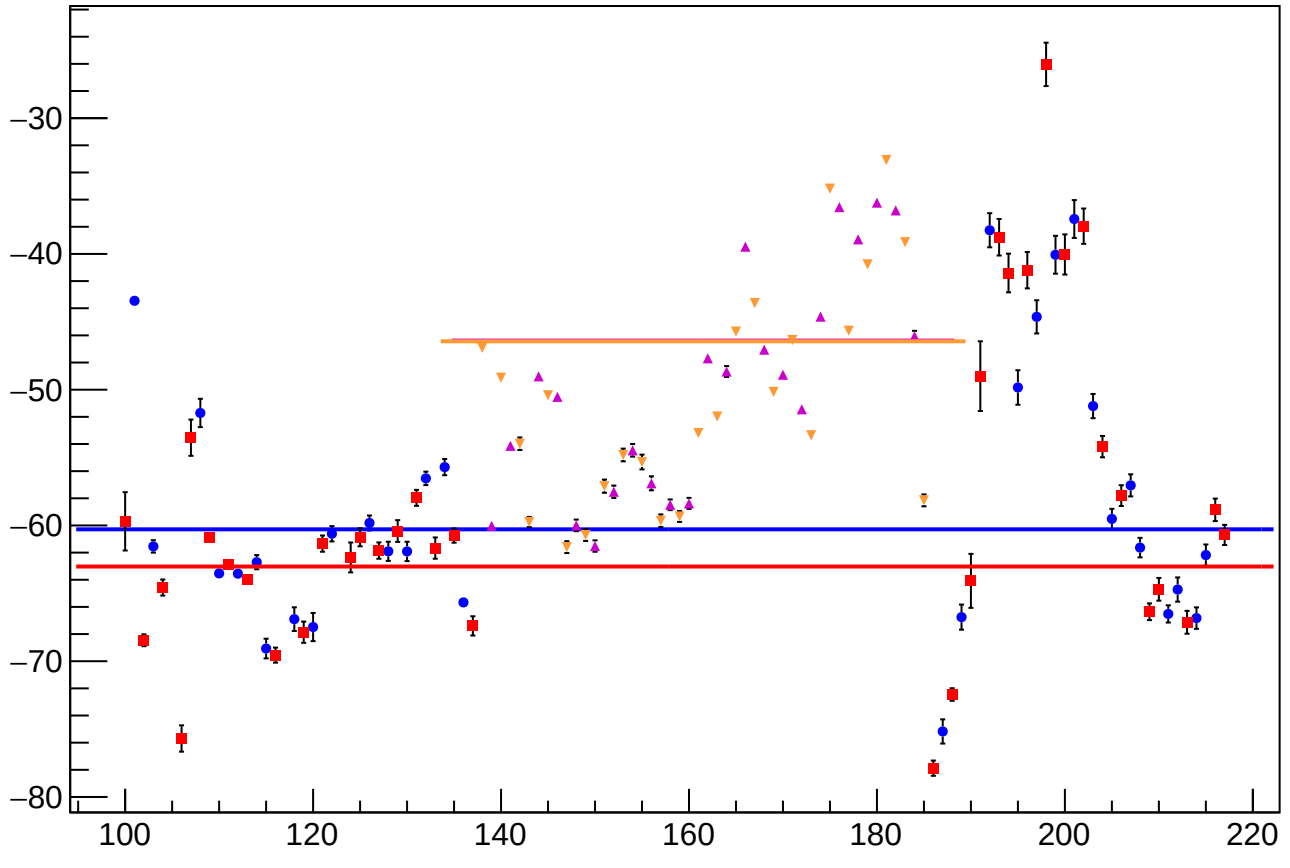
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.833+/-0.076 χ^2/NDF: 1322.1/66

In: 12.347+/-0.048 χ^2/NDF:6410.3/53

Out: 12.487+/-0.046 χ^2/NDF:8963.8/60

All: 12.420+/-0.033 χ^2/NDF: 15378.5/114



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: -63.025+/-0.095 χ^2/NDF: 4223.9/35

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

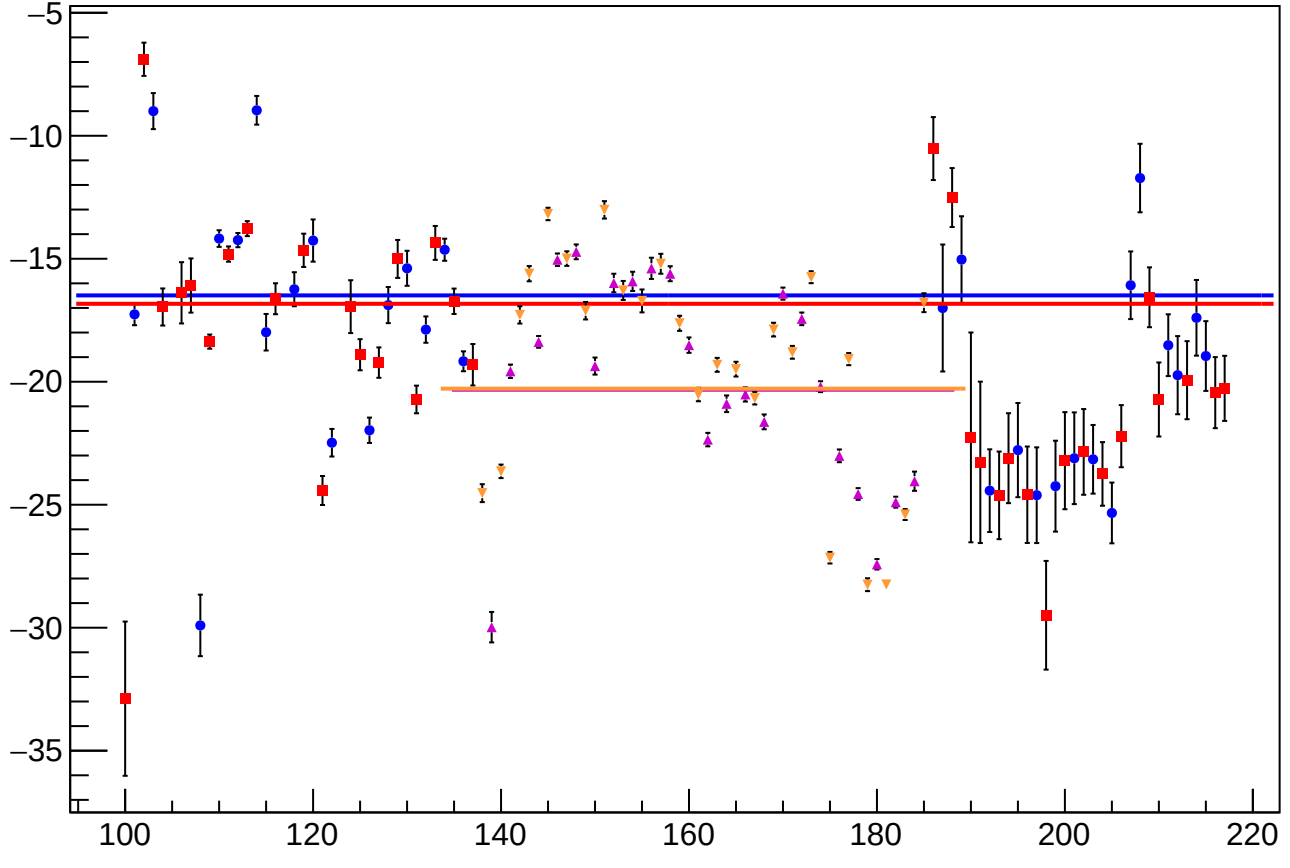
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.742+/-0.069 χ^2/NDF: 9874.8/66

In: -50.588+/-0.056 χ^2/NDF:33445.4/53

Out: -51.646+/-0.053 χ^2/NDF:43222.1/60

All: -51.140+/-0.039 χ^2/NDF: 76855.2/114



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: -16.832+/-0.118 χ^2/NDF: 906.2/35

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

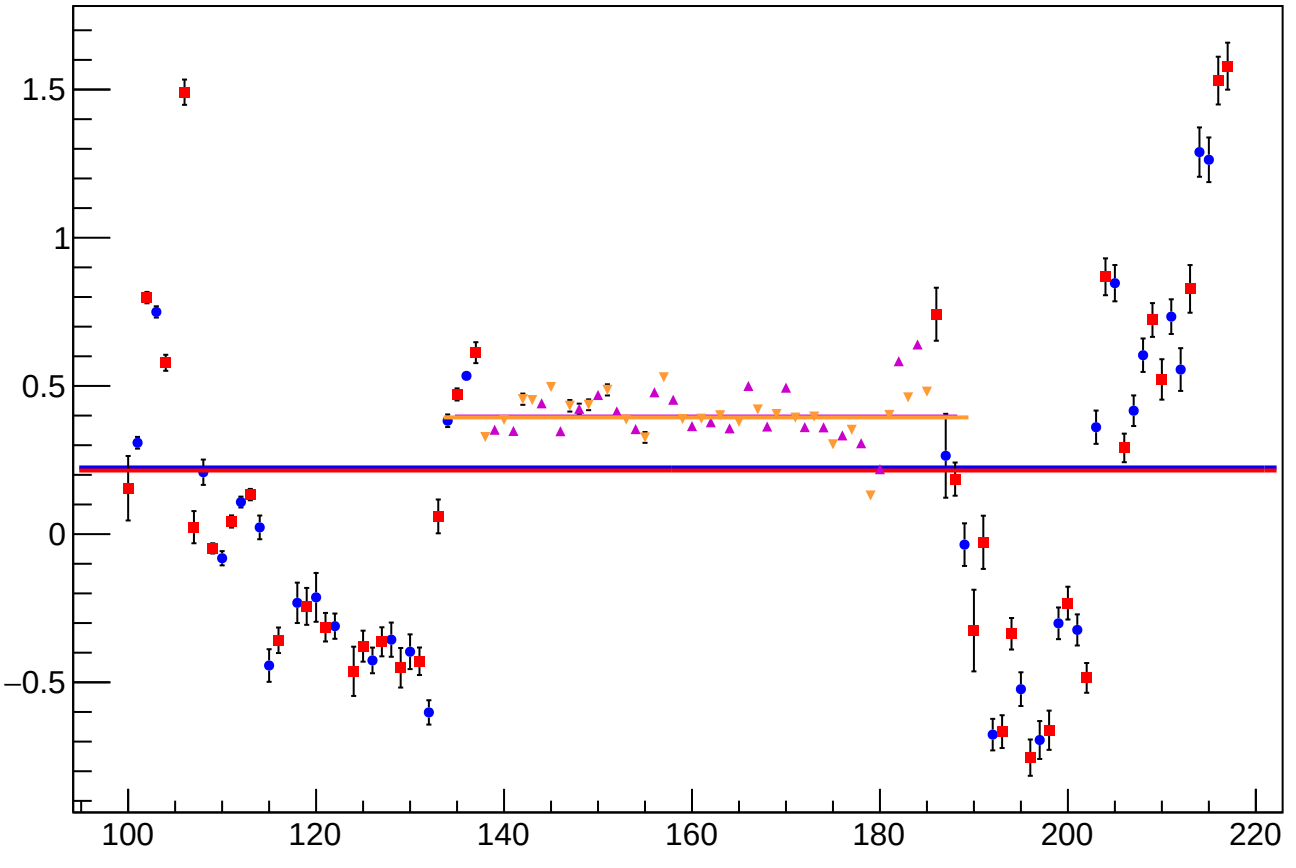
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.665+/-0.085 χ^2/NDF: 1892.1/66

In: -19.589+/-0.053 χ^2/NDF:6062.2/53

Out: -19.631+/-0.051 χ^2/NDF:8614.0/60

All: -19.611+/-0.037 χ^2/NDF: 14676.5/114



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: 0.215+/-0.006 χ^2/NDF: 5541.6/35

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

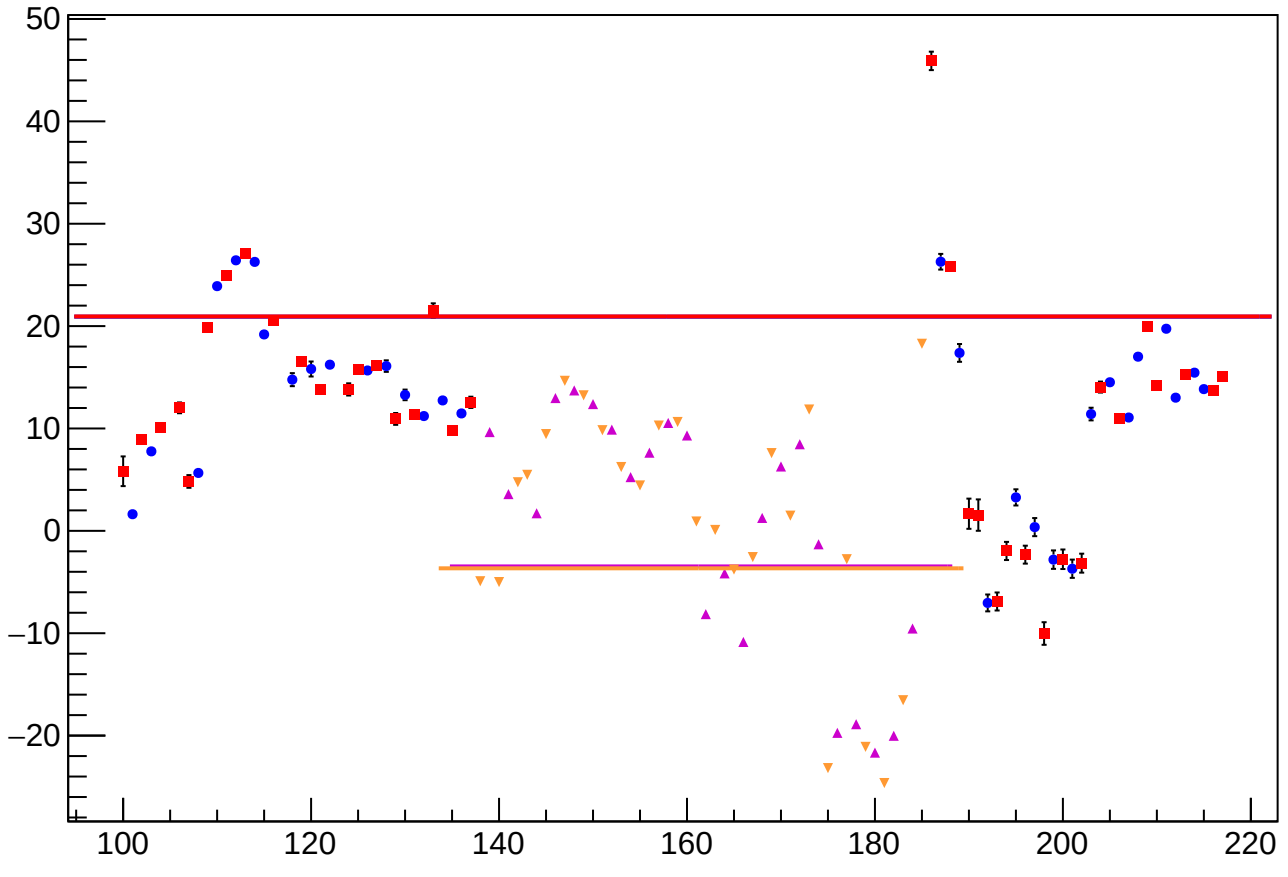
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.220+/-0.005 χ^2/NDF: 9682.0/66

In: 0.372+/-0.002 χ^2/NDF:6041.9/53

Out: 0.369+/-0.002 χ^2/NDF:7155.7/60

All: 0.371+/-0.002 χ^2/NDF: 13198.3/114



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: 20.943+/-0.043 χ^2/NDF: 18843.3/35

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

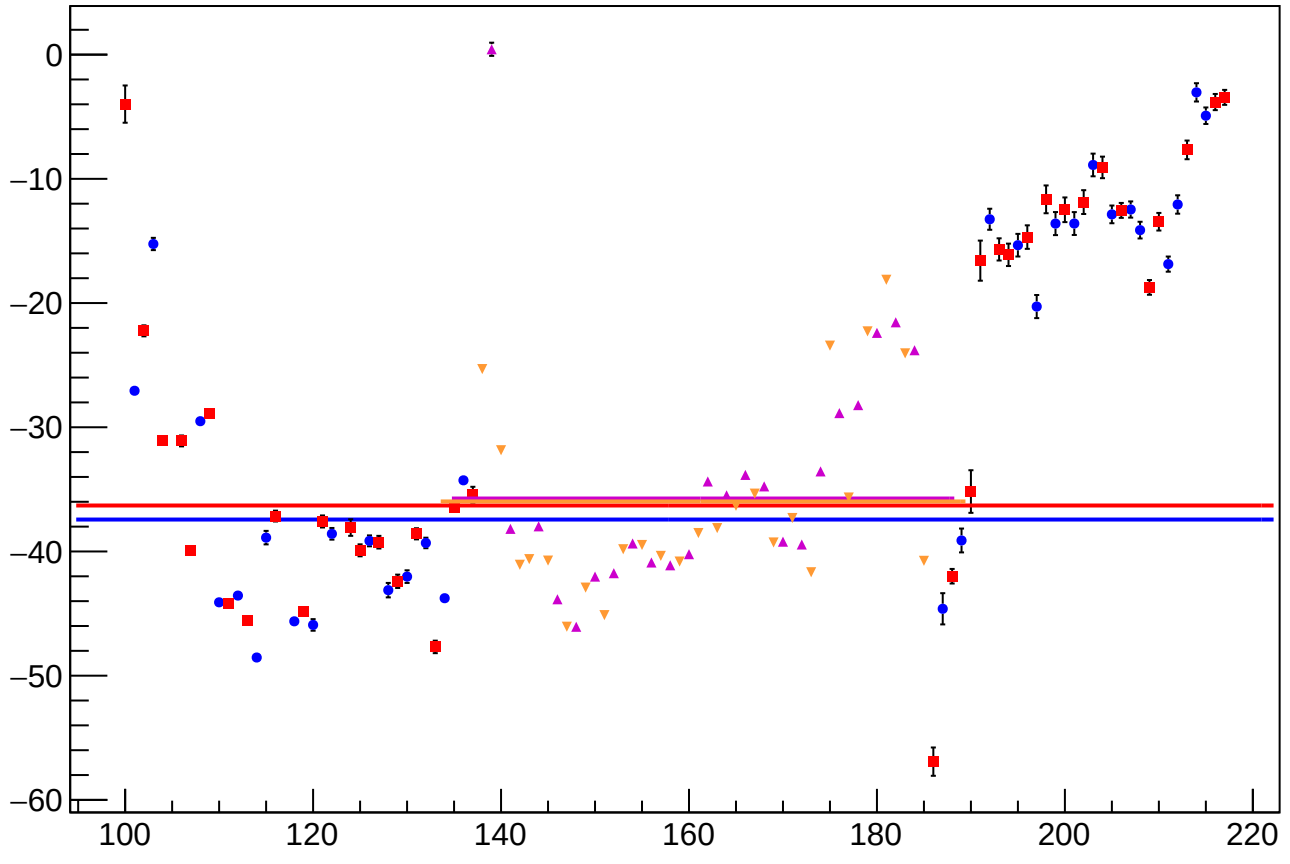
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 20.934+/-0.033 χ^2/NDF: 37612.1/66

In: 9.994+/-0.038 χ^2/NDF:163557.2/53

Out: 11.427+/-0.034 χ^2/NDF:200385.4/60

All: 10.800+/-0.025 χ^2/NDF: 364724.9/114



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: -36.299+/-0.067 χ^2/NDF: 26770.8/35

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

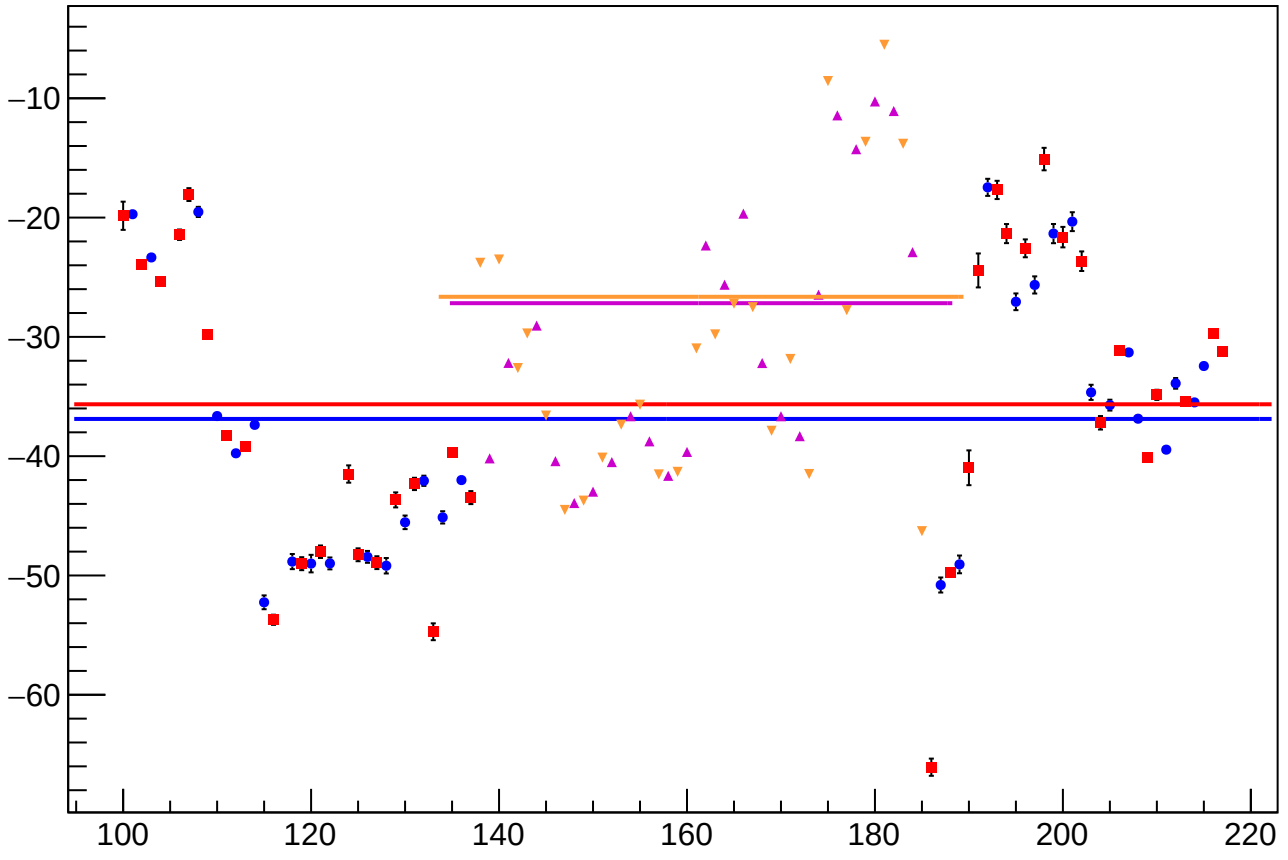
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -36.824+/-0.049 χ^2/NDF: 51334.8/66

In: -36.215+/-0.038 χ^2/NDF:51986.1/53

Out: -36.067+/-0.036 χ^2/NDF:60397.2/60

All: -36.137+/-0.026 χ^2/NDF: 112391.4/114



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: -35.649+/-0.057 χ^2/NDF: 19810.1/35

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

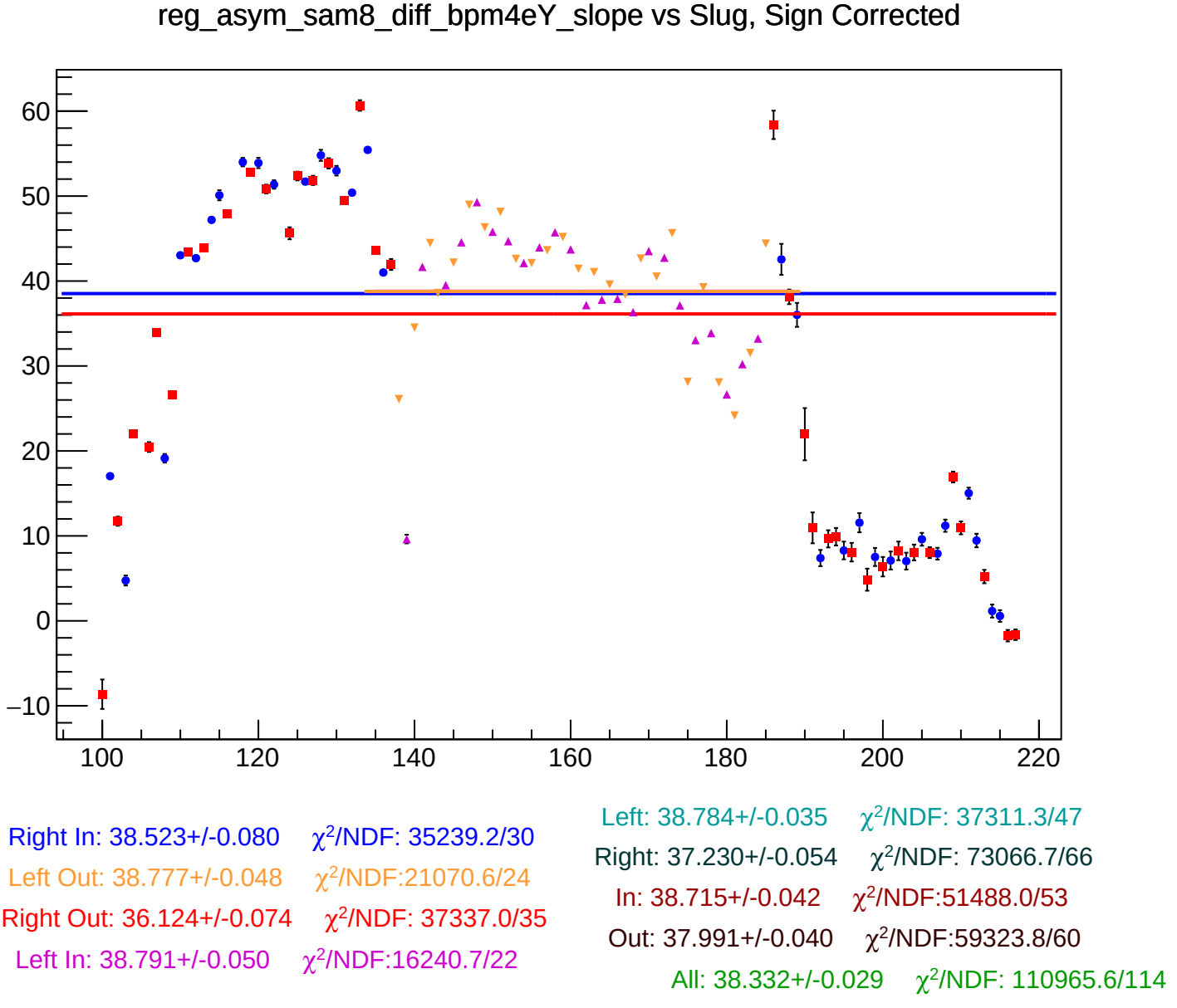
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

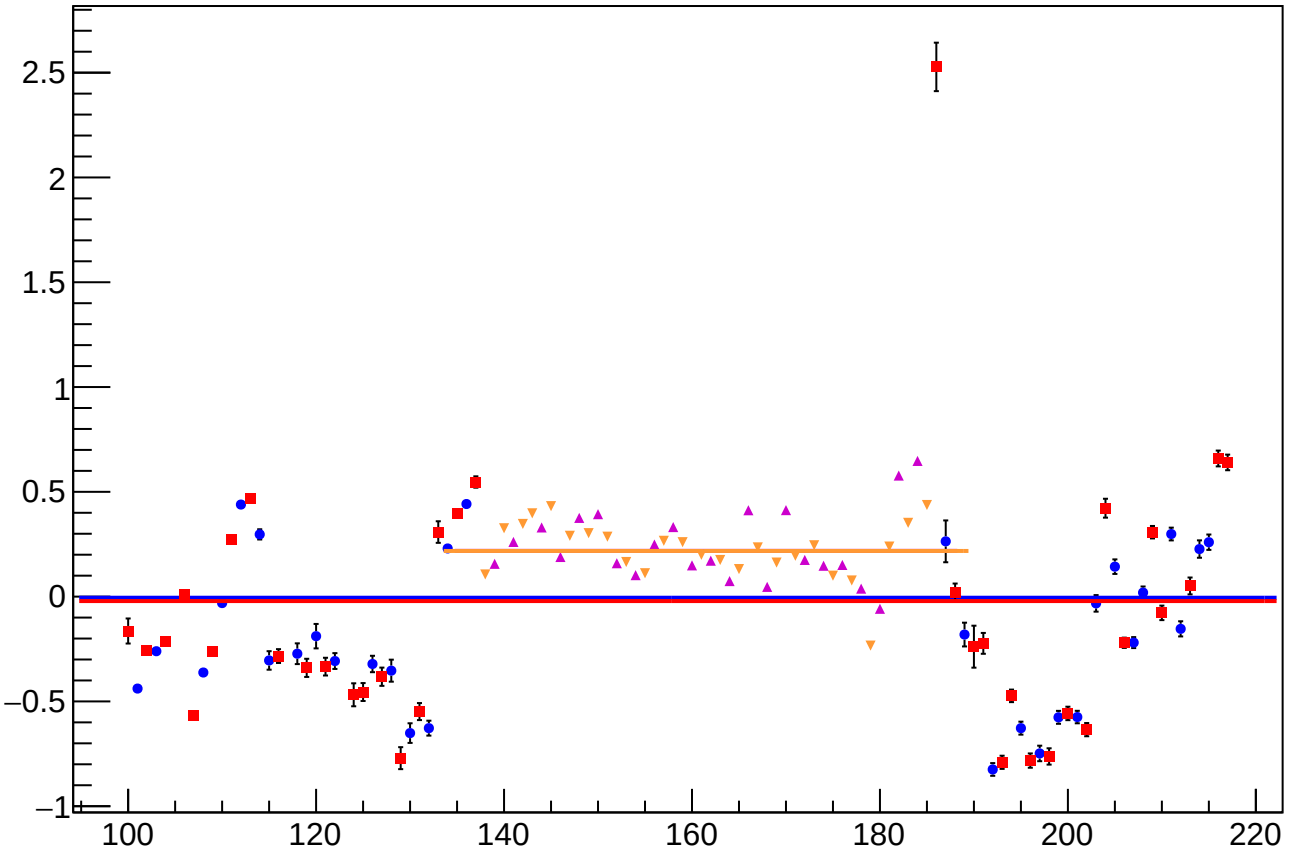
Right: -36.194+/-0.043 χ^2/NDF: 34183.0/66

In: -31.497+/-0.043 χ^2/NDF:67957.6/53

Out: -30.953+/-0.039 χ^2/NDF:82907.0/60

All: -31.203+/-0.029 χ^2/NDF: 150952.4/114


reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
120
140
160
180
200
220
Right In: 38.523+/-0.080 χ²/NDF: 35239.2/30
Left Out: 38.777+/-0.048 χ²/NDF:21070.6/24
Right Out: 36.124+/-0.074 χ²/NDF: 37337.0/35
Left In: 38.791+/-0.050 χ²/NDF:16240.7/22
Left: 38.784+/-0.035 χ²/NDF: 37311.3/47
Right: 37.230+/-0.054 χ²/NDF: 73066.7/66
In: 38.715+/-0.042 χ²/NDF:51488.0/53
Out: 37.991+/-0.040 χ²/NDF:59323.8/60
All: 38.332+/-0.029 χ²/NDF: 110965.6/114



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: -0.021+/-0.004 χ^2/NDF: 10284.6/35

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

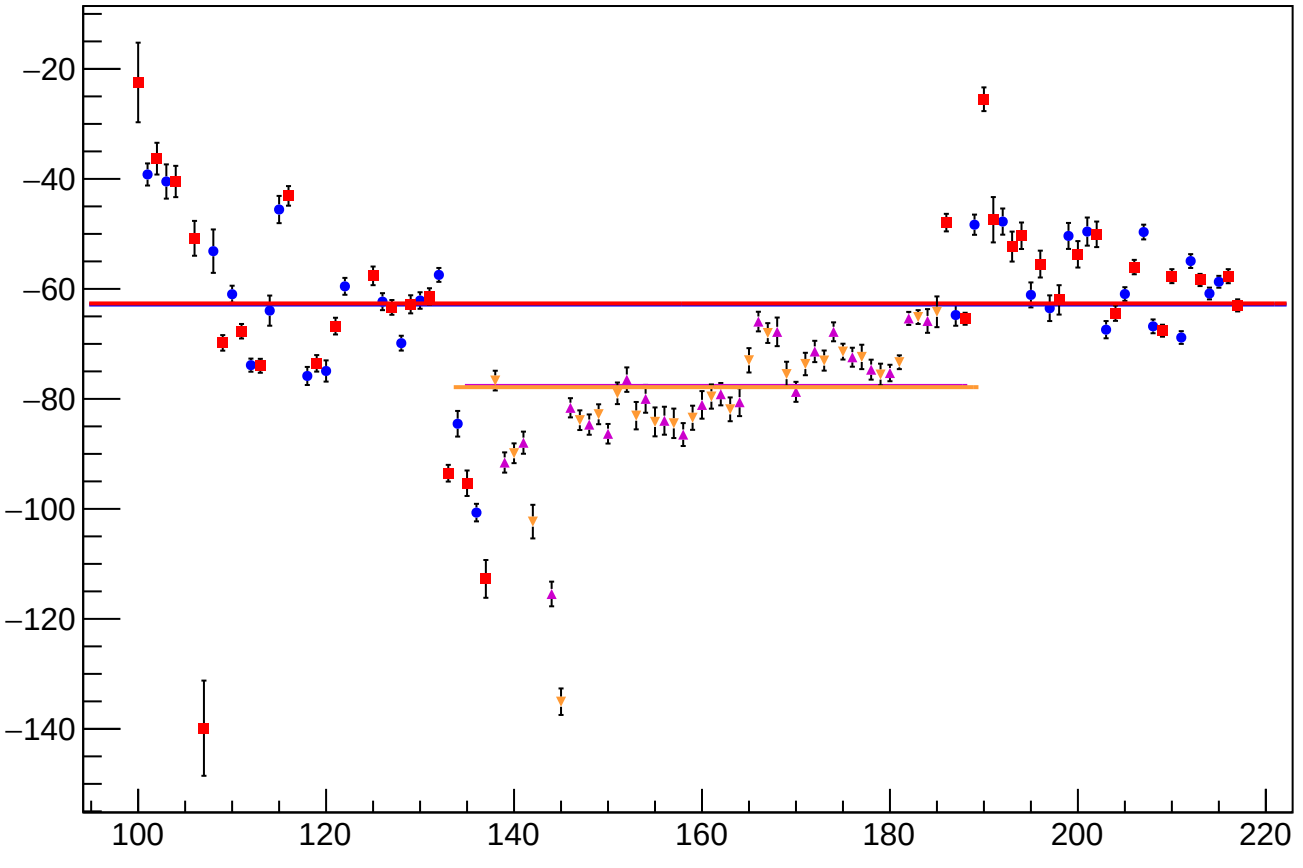
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.014+/-0.003 χ^2/NDF: 18544.6/66

In: 0.170+/-0.002 χ^2/NDF:15735.3/53

Out: 0.163+/-0.002 χ^2/NDF:17216.4/60

All: 0.166+/-0.001 χ^2/NDF: 32958.9/114



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: -62.645+/-0.278 χ^2/NDF: 1990.4/34

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

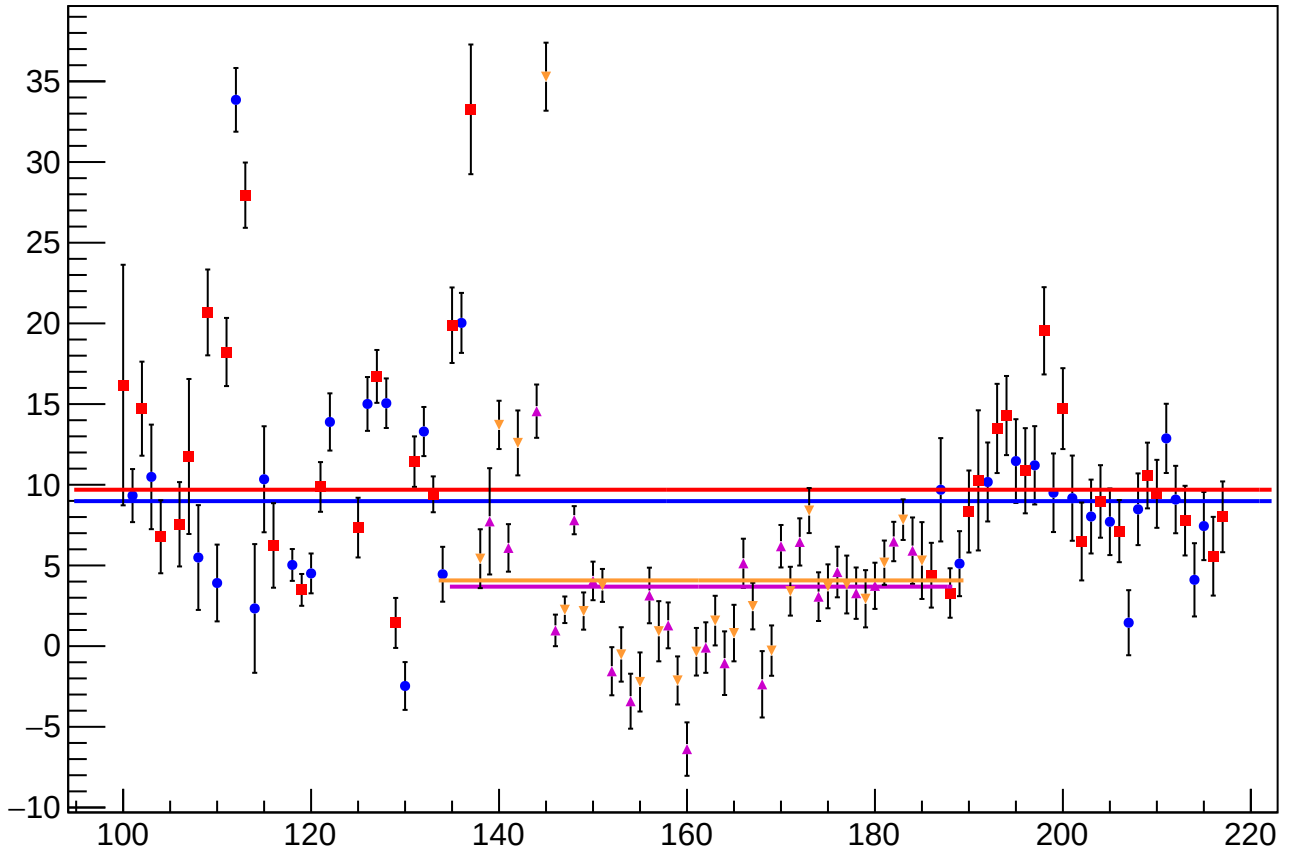
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -62.741+/-0.199 χ^2/NDF: 3483.8/65

In: -67.885+/-0.231 χ^2/NDF:3105.3/53

Out: -67.694+/-0.227 χ^2/NDF:3919.8/58

All: -67.788+/-0.162 χ^2/NDF: 7025.4/112



Right In: 8.986+/-0.346 χ^2/NDF: 372.1/30

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.693+/-0.341 χ^2/NDF: 321.2/34

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

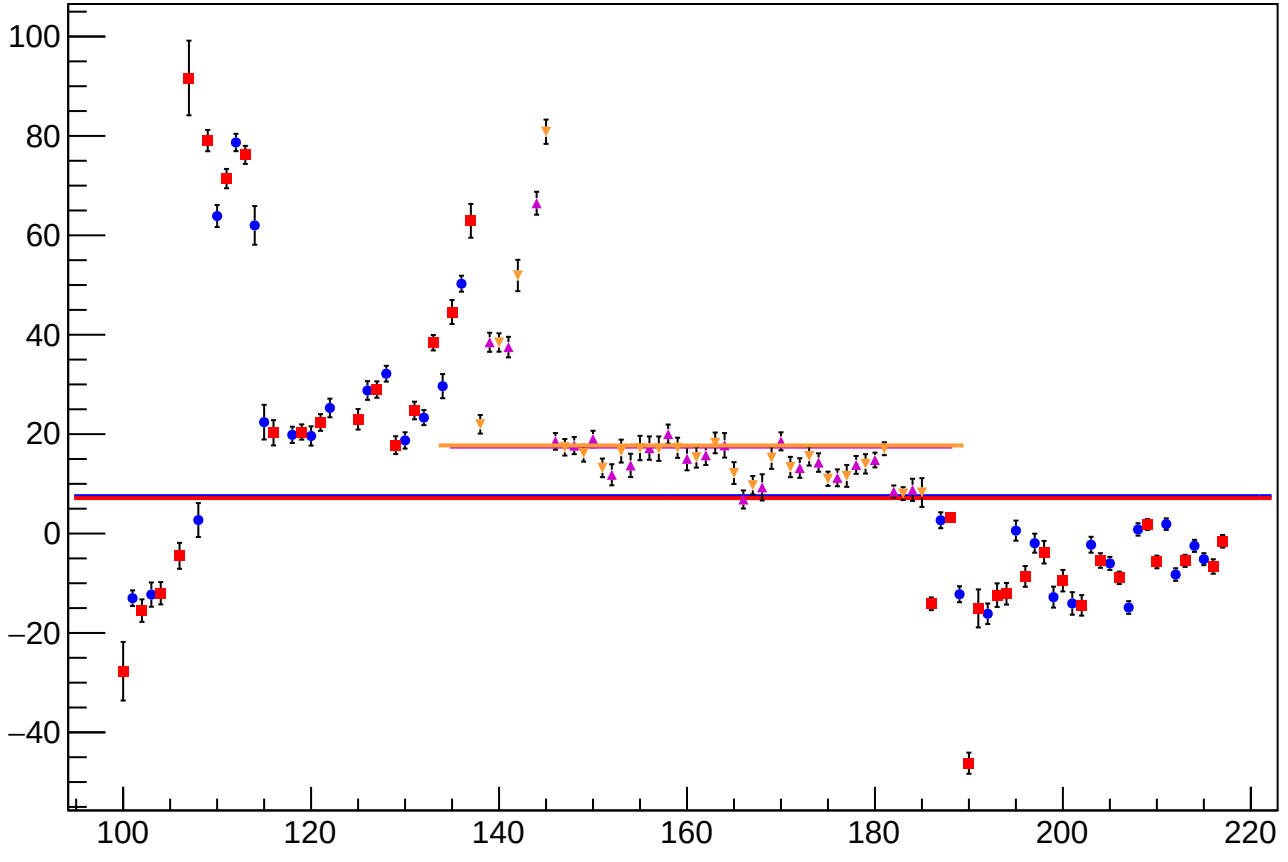
Right: 9.345+/-0.243 χ^2/NDF: 695.4/65

In: 5.973+/-0.227 χ^2/NDF:687.9/53

Out: 6.493+/-0.224 χ^2/NDF:846.2/58

All: 6.237+/-0.160 χ^2/NDF: 1536.7/112

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: 7.134+/-0.289 χ^2/NDF: 7447.4/34

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

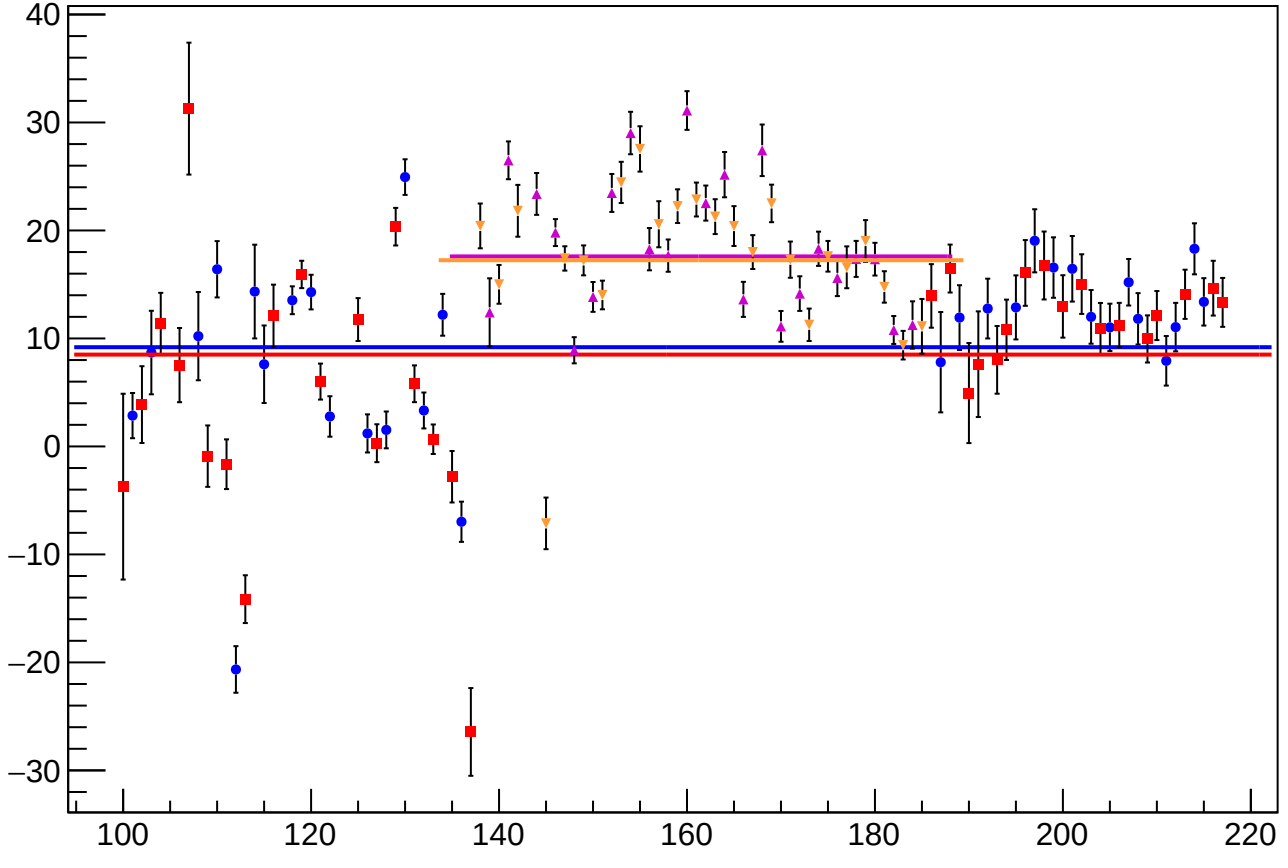
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 7.322+/-0.208 χ^2/NDF: 13047.4/65

In: 11.175+/-0.238 χ^2/NDF:6828.0/53

Out: 10.874+/-0.232 χ^2/NDF:8979.9/58

All: 11.021+/-0.166 χ^2/NDF: 15808.7/112



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: 8.505+/-0.395 χ^2/NDF: 455.5/34

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

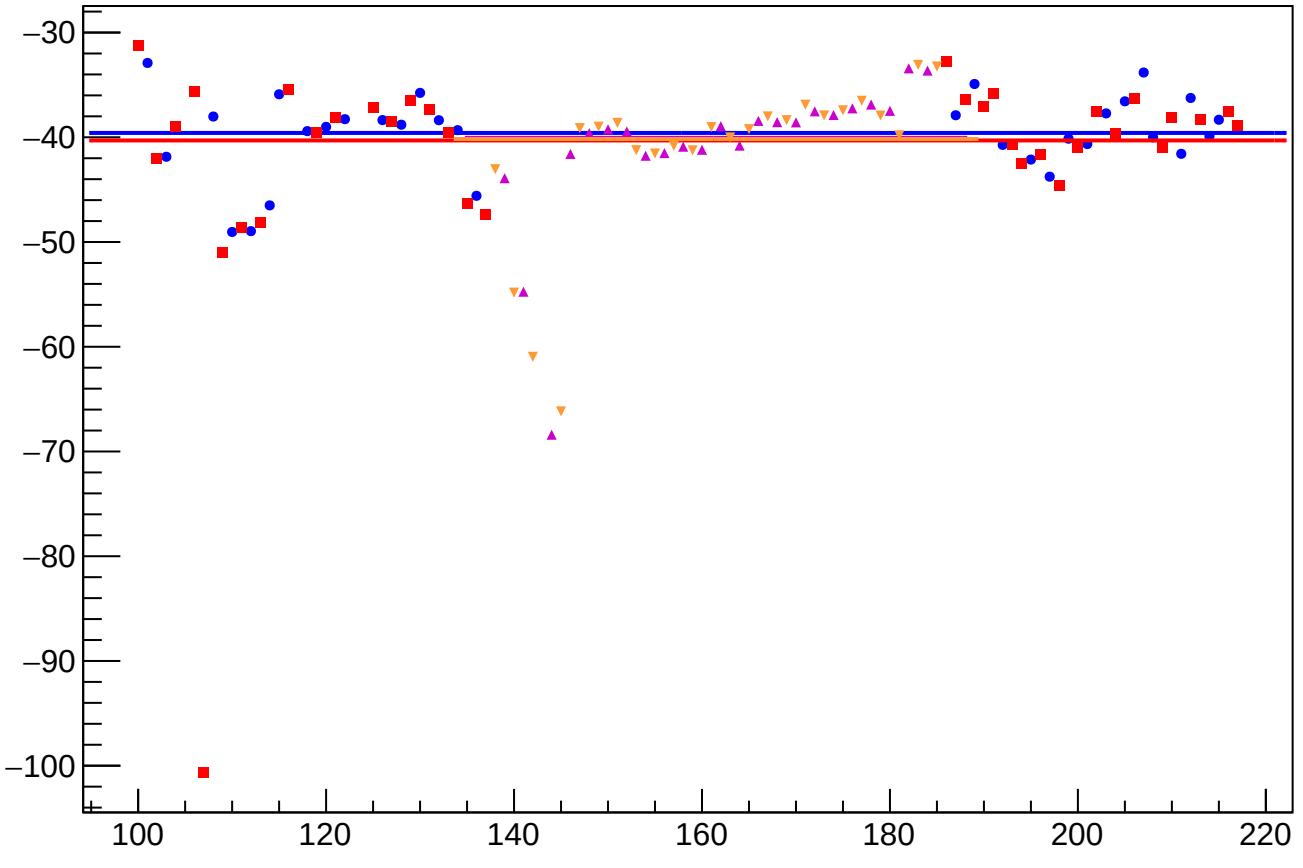
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.846+/-0.280 χ^2/NDF: 980.9/65

In: 14.007+/-0.259 χ^2/NDF:1091.3/53

Out: 13.544+/-0.257 χ^2/NDF:999.3/58

All: 13.773+/-0.182 χ^2/NDF: 2092.2/112



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: -40.302+/-0.020 χ^2/NDF: 73969.9/34

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

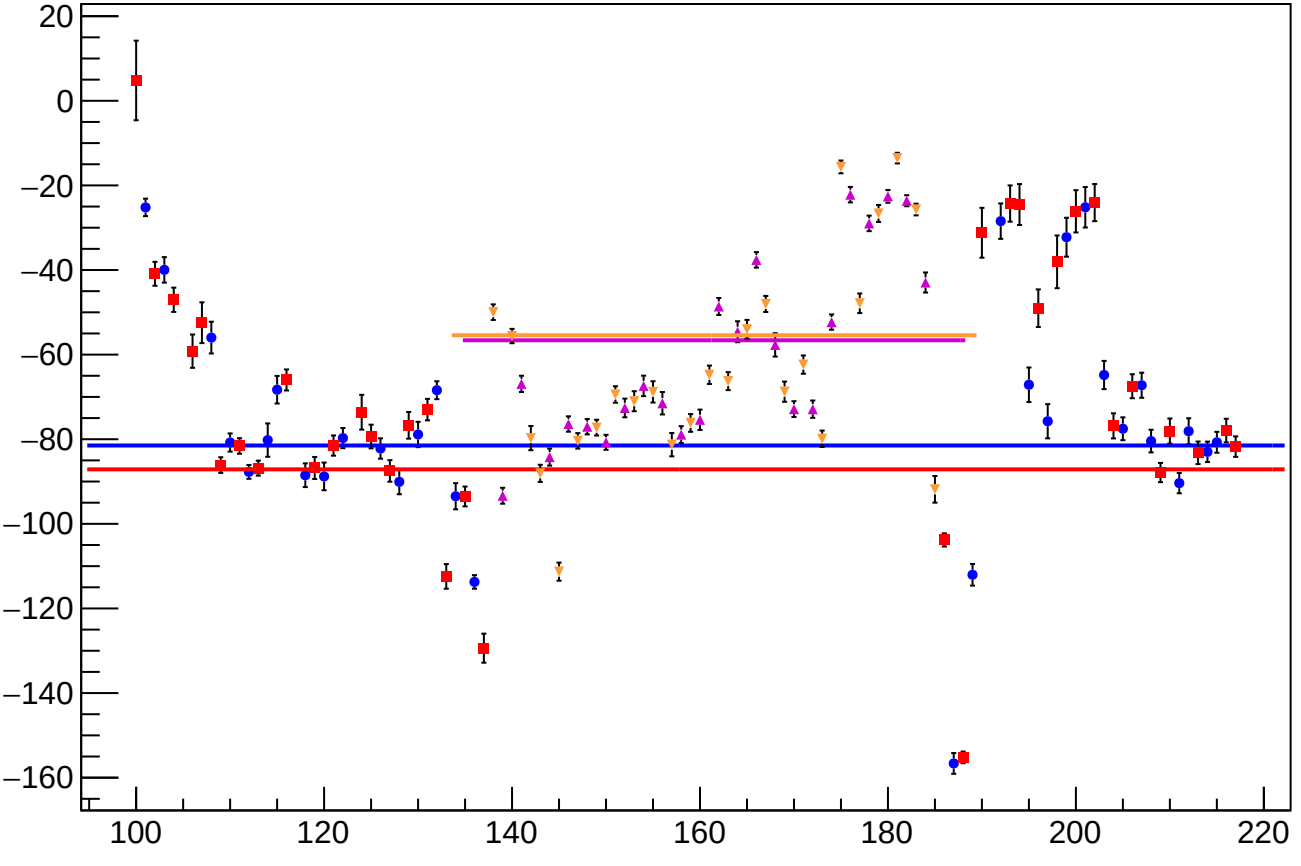
Right: -39.947+/-0.014 χ^2/NDF: 108480.2/65

In: -39.875+/-0.012 χ^2/NDF:170631.6/53

Out: -40.217+/-0.012 χ^2/NDF:237336.0/58

All: -40.046+/-0.009 χ^2/NDF: 408363.7/112

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: -87.119+/-0.449 χ^2/NDF: 4632.3/34

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

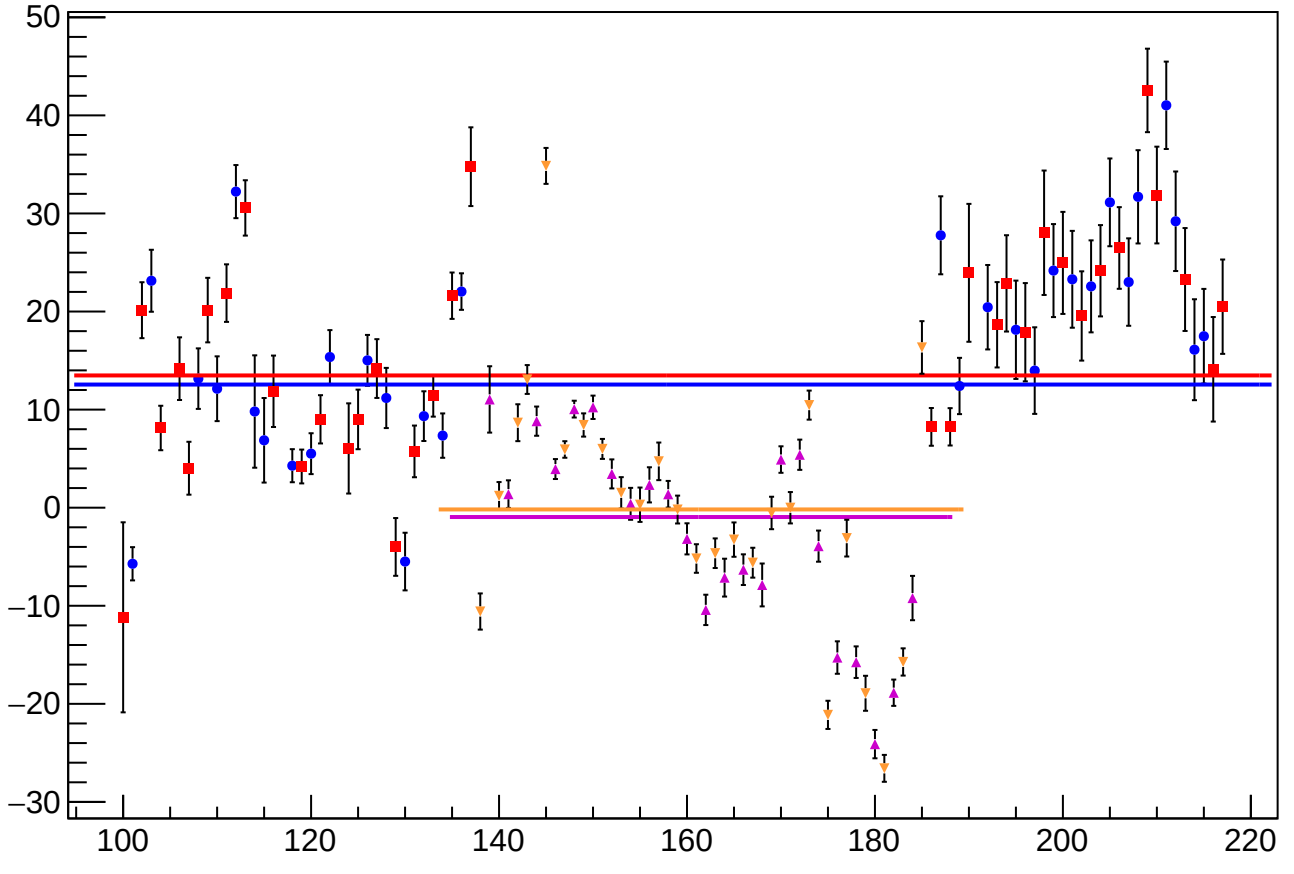
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.479+/-0.328 χ^2/NDF: 7768.4/65

In: -66.943+/-0.309 χ^2/NDF:7989.2/53

Out: -69.174+/-0.296 χ^2/NDF:11975.1/59

All: -68.105+/-0.214 χ^2/NDF: 19991.5/113



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: 13.483+/-0.528 χ^2/NDF: 317.0/34

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

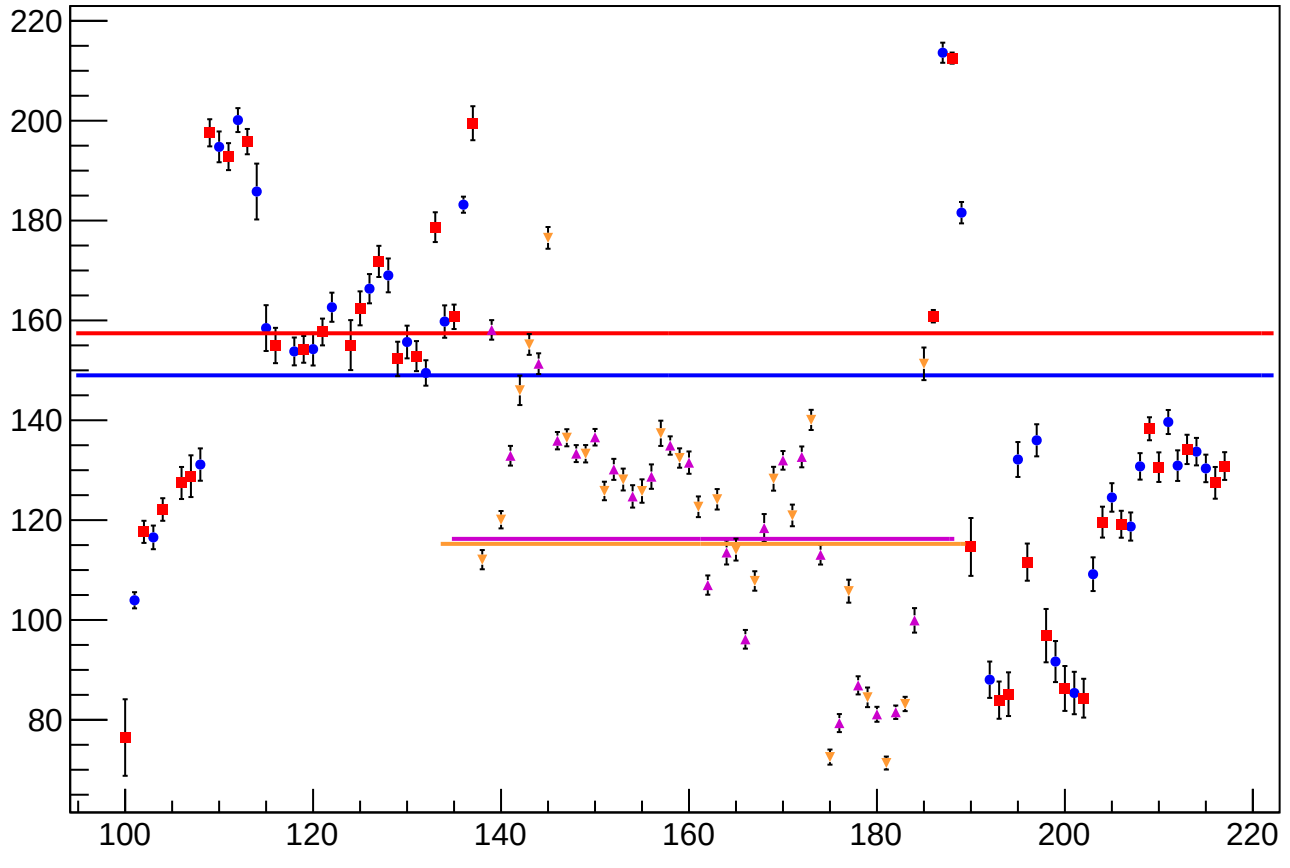
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 13.034+/-0.379 χ^2/NDF: 735.8/65

In: 2.254+/-0.266 χ^2/NDF:1955.2/53

Out: 3.059+/-0.257 χ^2/NDF:2427.0/59

All: 2.670+/-0.185 χ^2/NDF: 4387.0/113



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: 157.424+/-0.453 χ^2/NDF: 6483.7/34

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

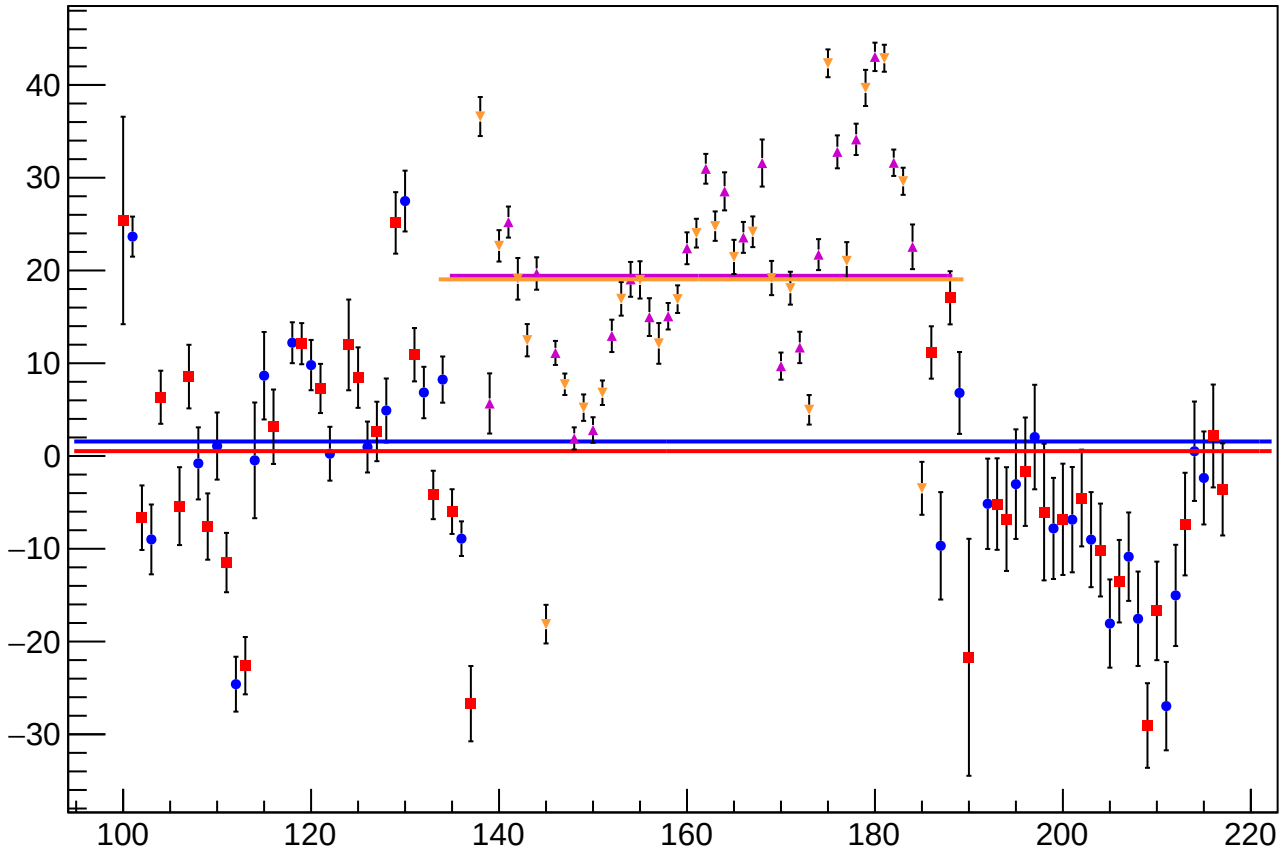
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 153.552+/-0.333 χ^2/NDF: 11420.4/65

In: 129.259+/-0.310 χ^2/NDF:11090.2/53

Out: 133.202+/-0.296 χ^2/NDF:16291.8/59

All: 131.322+/-0.214 χ^2/NDF: 27466.7/113



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: 0.526+/-0.622 χ^2/NDF: 392.6/34

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

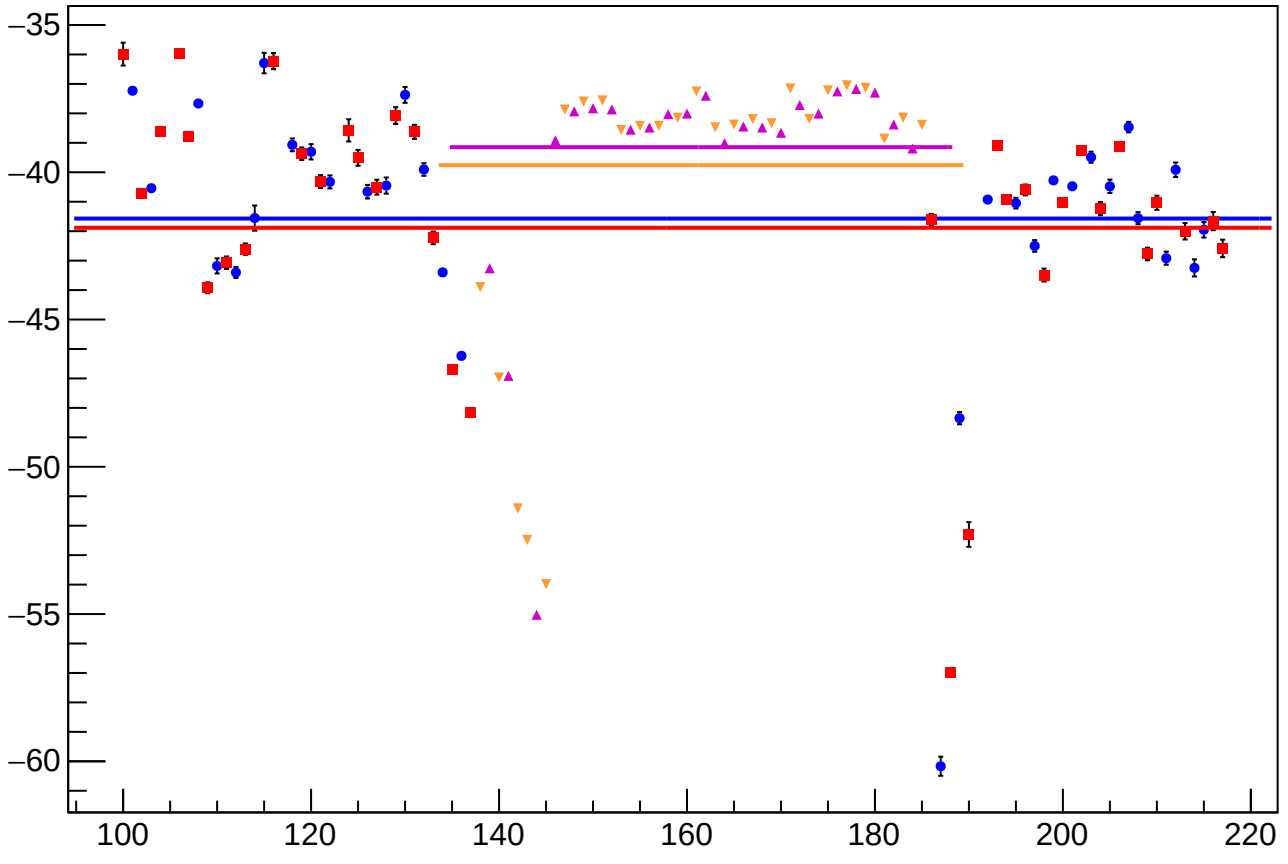
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 1.040+/-0.442 χ^2/NDF: 826.9/65

In: 15.283+/-0.303 χ^2/NDF:2129.1/53

Out: 14.858+/-0.296 χ^2/NDF:2625.0/59

All: 15.065+/-0.212 χ^2/NDF: 4755.0/113



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: -41.885+/-0.031 χ^2/NDF: 19768.6/34

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

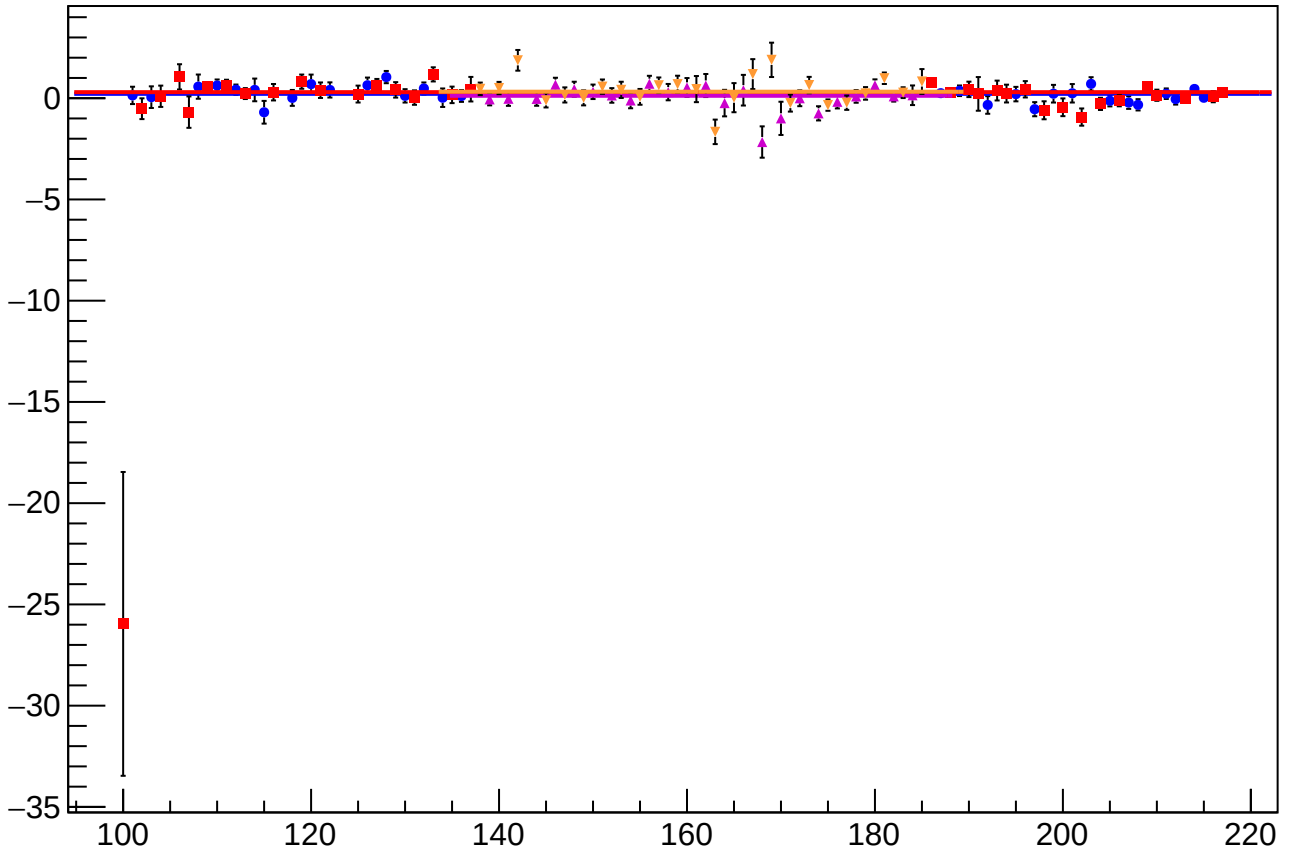
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.727+/-0.022 χ^2/NDF: 32827.9/65

In: -39.646+/-0.014 χ^2/NDF:64879.1/53

Out: -40.184+/-0.014 χ^2/NDF:105437.1/59

All: -39.917+/-0.010 χ^2/NDF: 171070.0/113



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+/-0.053 χ^2/NDF: 64.3/34

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

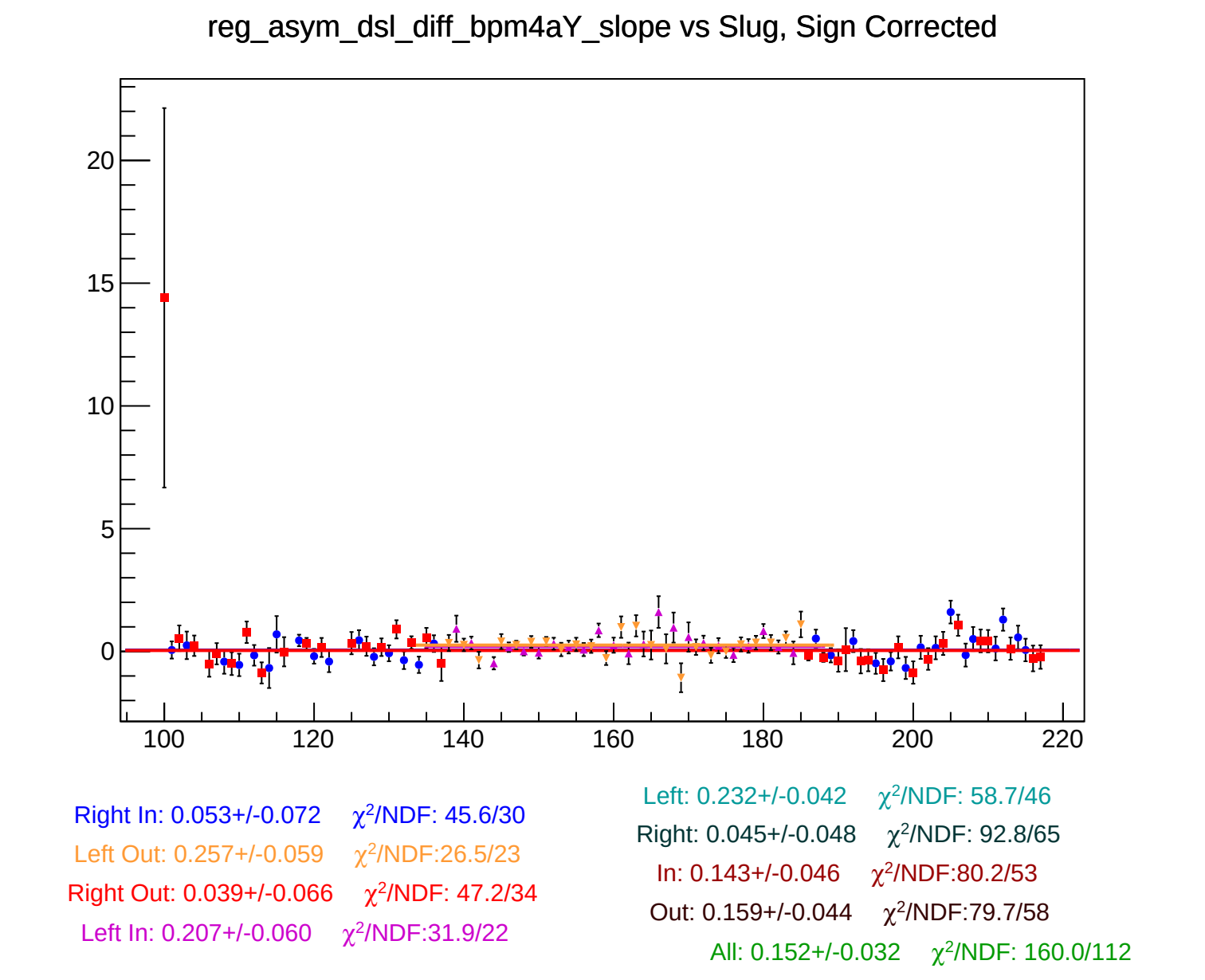
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

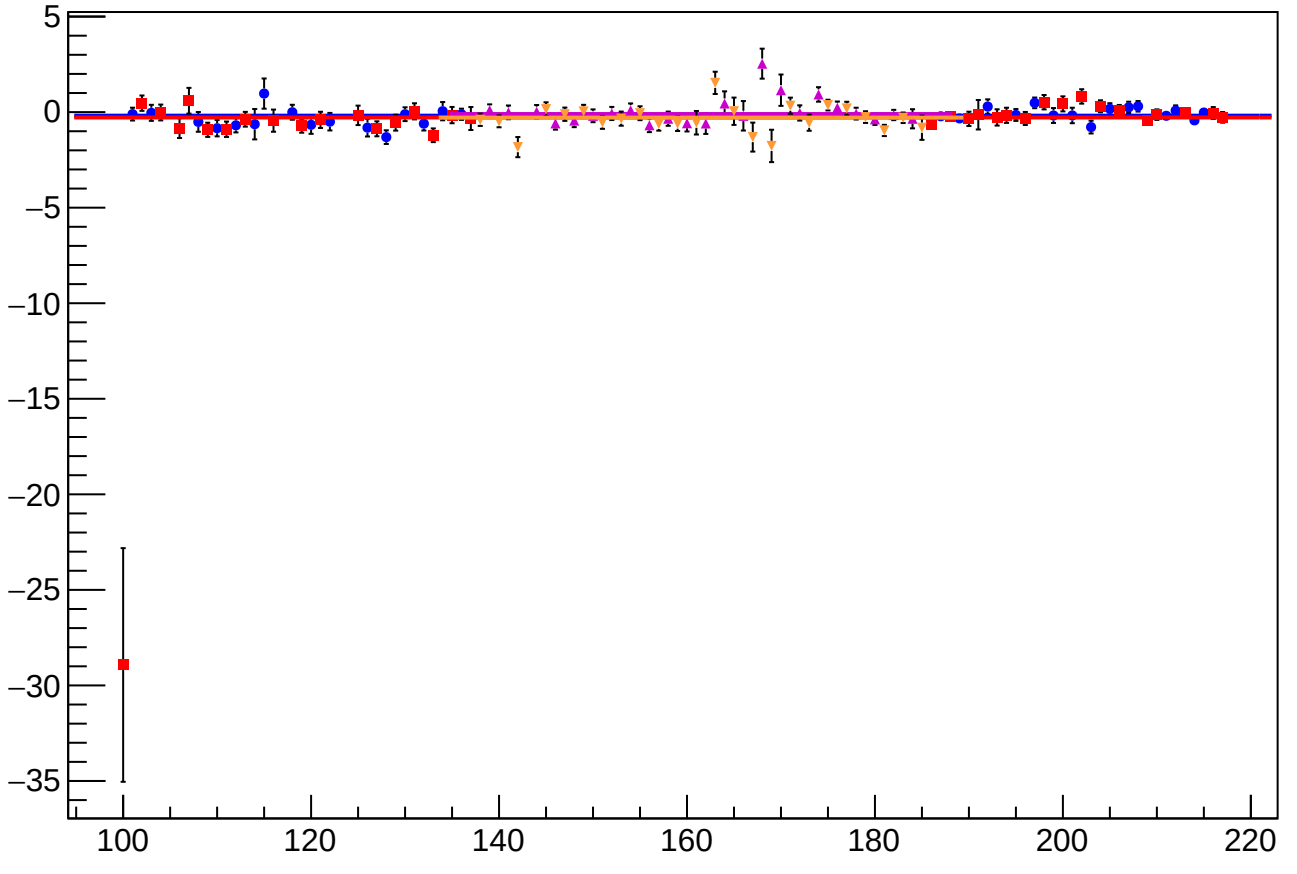
Right: 0.261+/-0.039 χ^2/NDF: 101.5/65

In: 0.182+/-0.047 χ^2/NDF:67.0/53

Out: 0.306+/-0.044 χ^2/NDF:111.2/58

All: 0.248+/-0.032 χ^2/NDF: 181.9/112


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: 0.039+/-0.066 χ²/NDF: 47.2/34
Left In: 0.207+/-0.060 χ²/NDF:31.9/22
Left: 0.232+/-0.042 χ²/NDF: 58.7/46
Right: 0.045+/-0.048 χ²/NDF: 92.8/65
In: 0.143+/-0.046 χ²/NDF:80.2/53
Out: 0.159+/-0.044 χ²/NDF:79.7/58
All: 0.152+/-0.032 χ²/NDF: 160.0/112



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+/-0.051 χ^2/NDF: 77.4/34

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

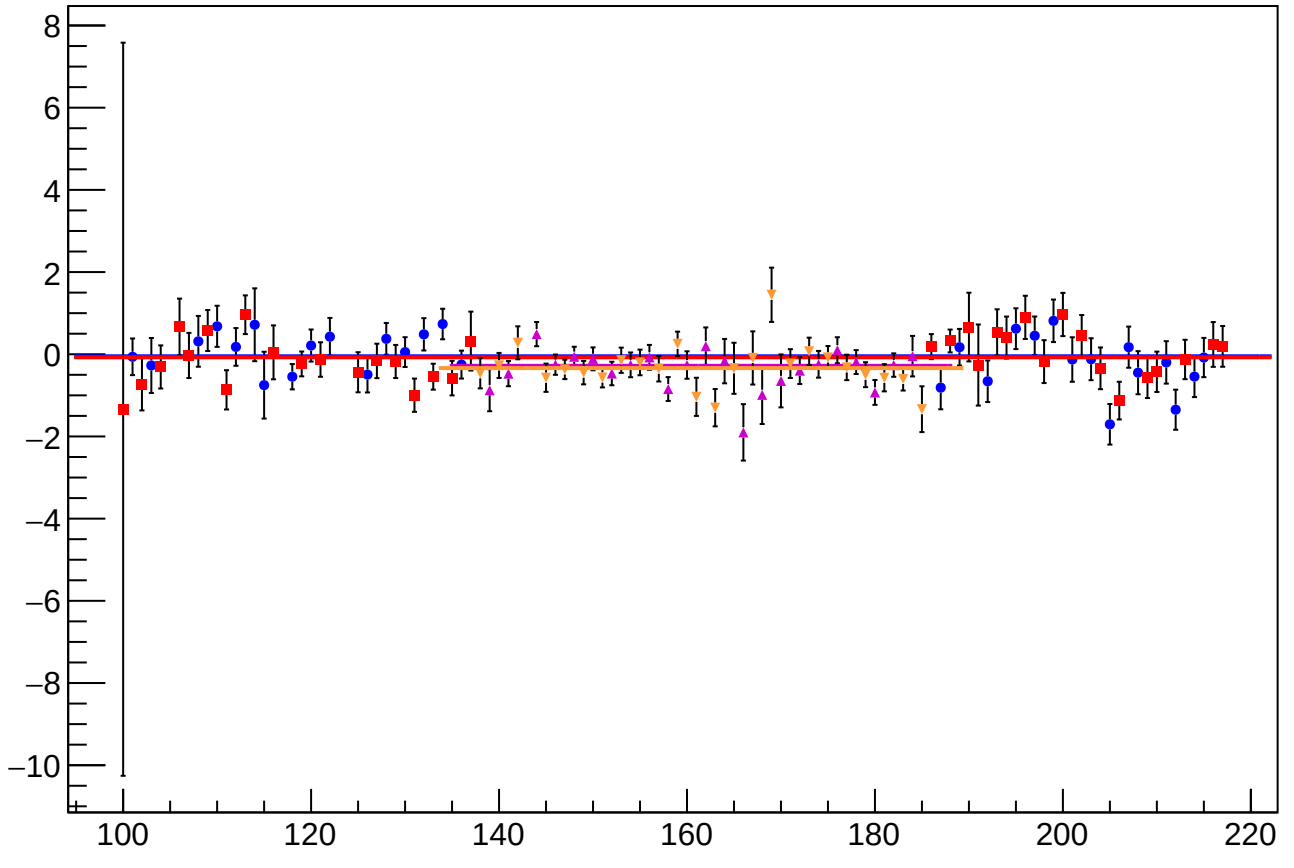
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.239+/-0.039 χ^2/NDF: 121.2/65

In: -0.155+/-0.047 χ^2/NDF:76.3/53

Out: -0.282+/-0.043 χ^2/NDF:122.5/58

All: -0.224+/-0.032 χ^2/NDF: 202.8/112



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: -0.074+/-0.079 χ^2/NDF: 43.7/34

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

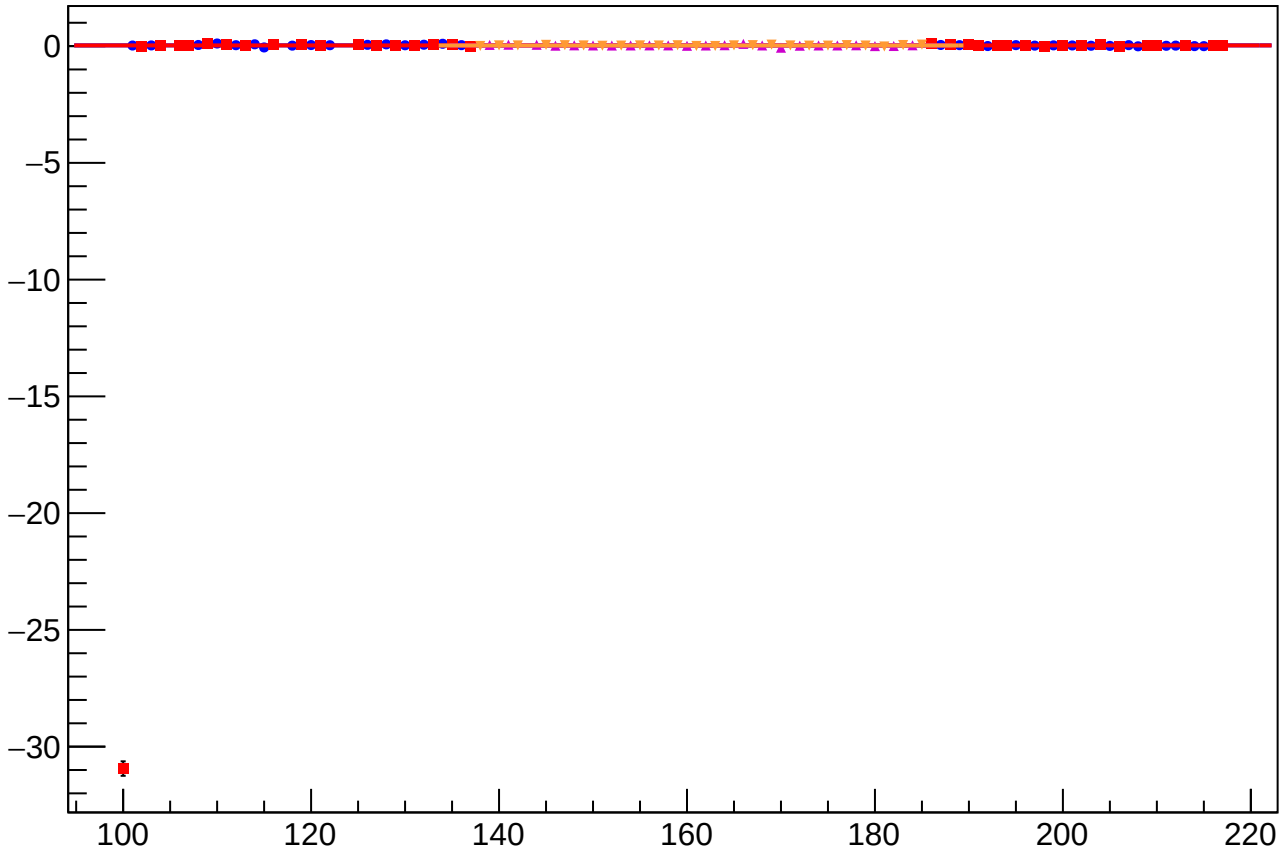
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.063+/-0.057 χ^2/NDF: 91.0/65

In: -0.187+/-0.053 χ^2/NDF:80.8/53

Out: -0.225+/-0.052 χ^2/NDF:80.2/58

All: -0.207+/-0.037 χ^2/NDF: 161.3/112



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: 10056.0/34

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

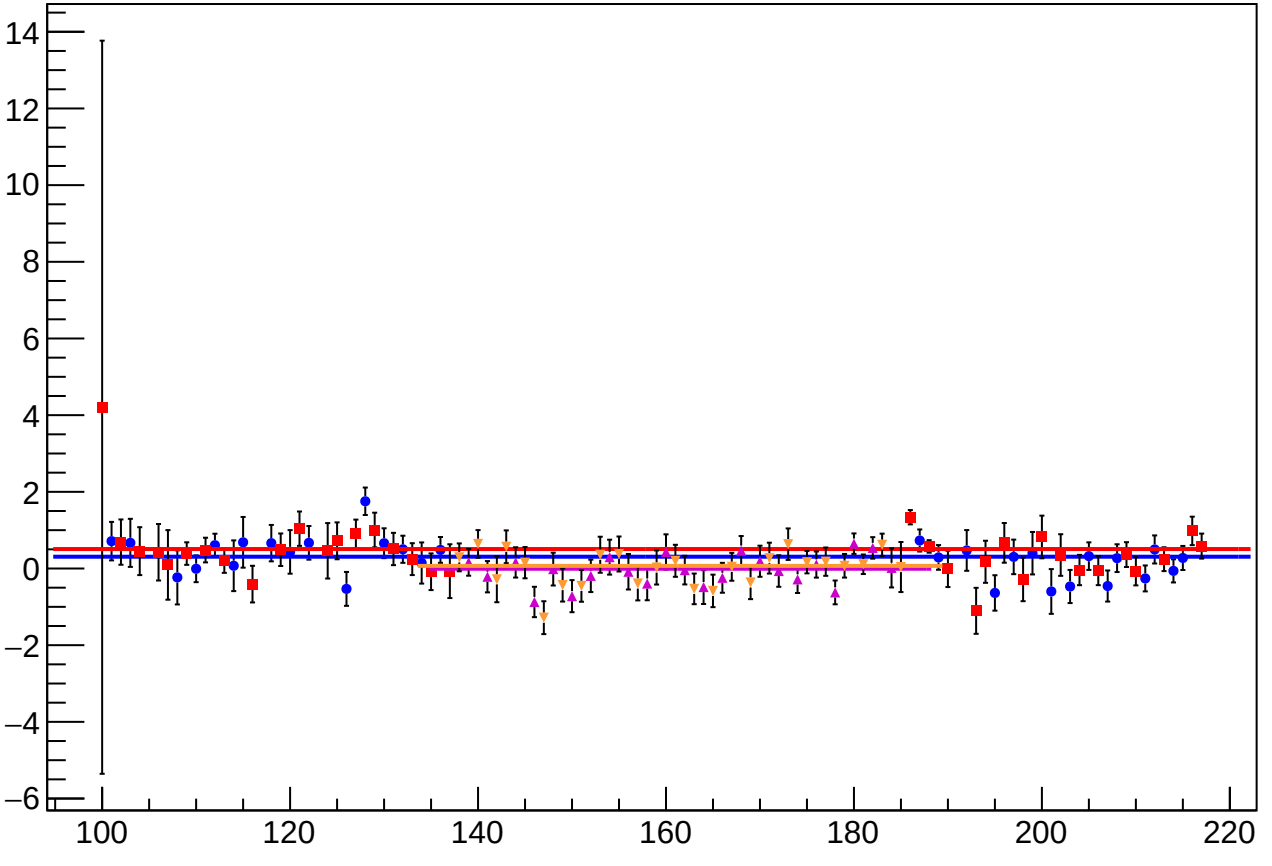
Right: 0.031+/-0.003 χ^2/NDF: 10096.8/65

In: 0.031+/-0.002 χ^2/NDF:79.9/53

Out: 0.029+/-0.002 χ^2/NDF:10083.8/58

All: 0.030+/-0.002 χ^2/NDF: 10163.9/112

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.308+/-0.073 χ^2/NDF: 46.8/30

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.508+/-0.065 χ^2/NDF: 52.0/34

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

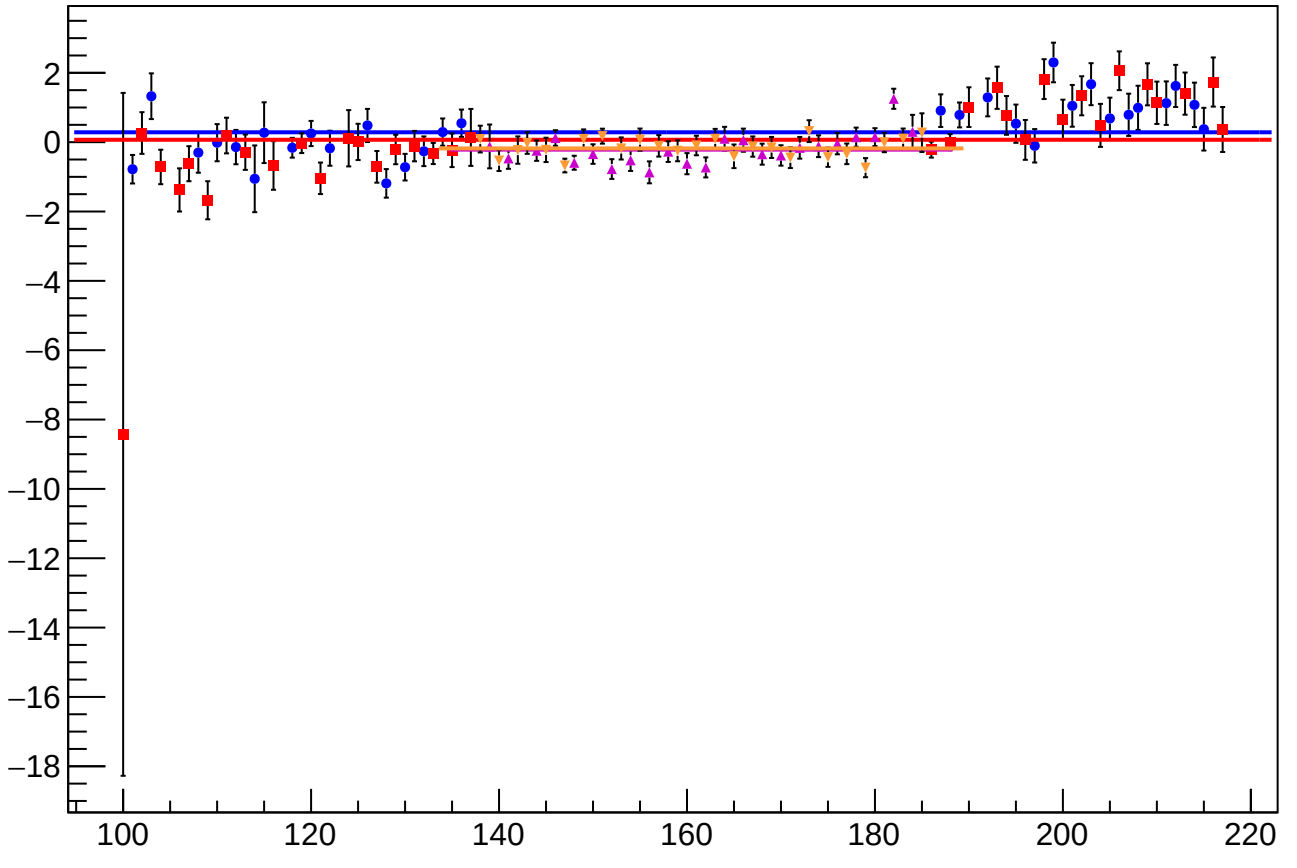
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.419+/-0.048 χ^2/NDF: 103.0/65

In: 0.165+/-0.054 χ^2/NDF:83.8/53

Out: 0.327+/-0.050 χ^2/NDF:102.1/59

All: 0.252+/-0.036 χ^2/NDF: 190.9/113



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: 0.069+/-0.080 χ^2/NDF: 95.1/34

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

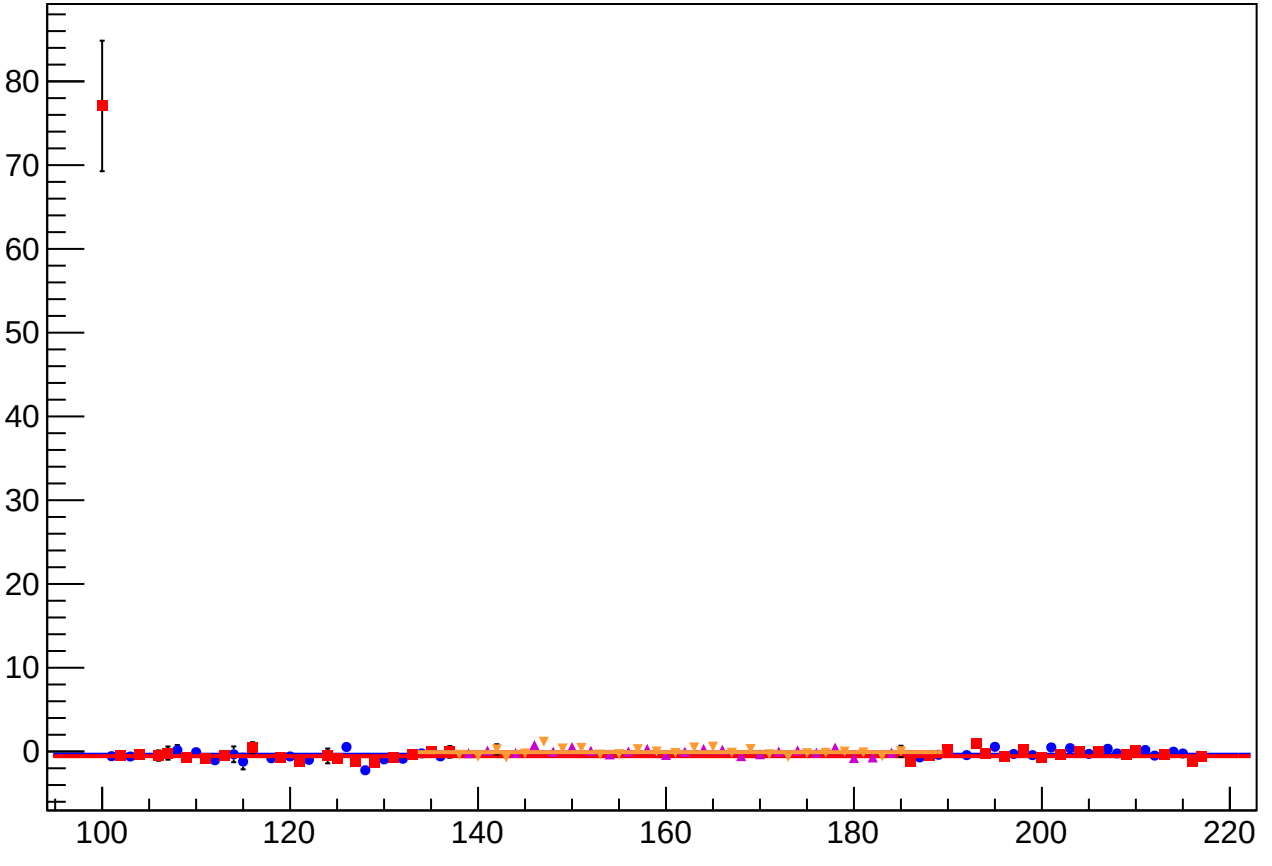
Right: 0.167+/-0.059 χ^2/NDF: 174.6/65

In: -0.050+/-0.050 χ^2/NDF:151.7/53

Out: -0.091+/-0.047 χ^2/NDF:126.1/59

All: -0.072+/-0.035 χ^2/NDF: 278.2/113

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



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+/-0.063 χ^2/NDF: 151.5/34

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

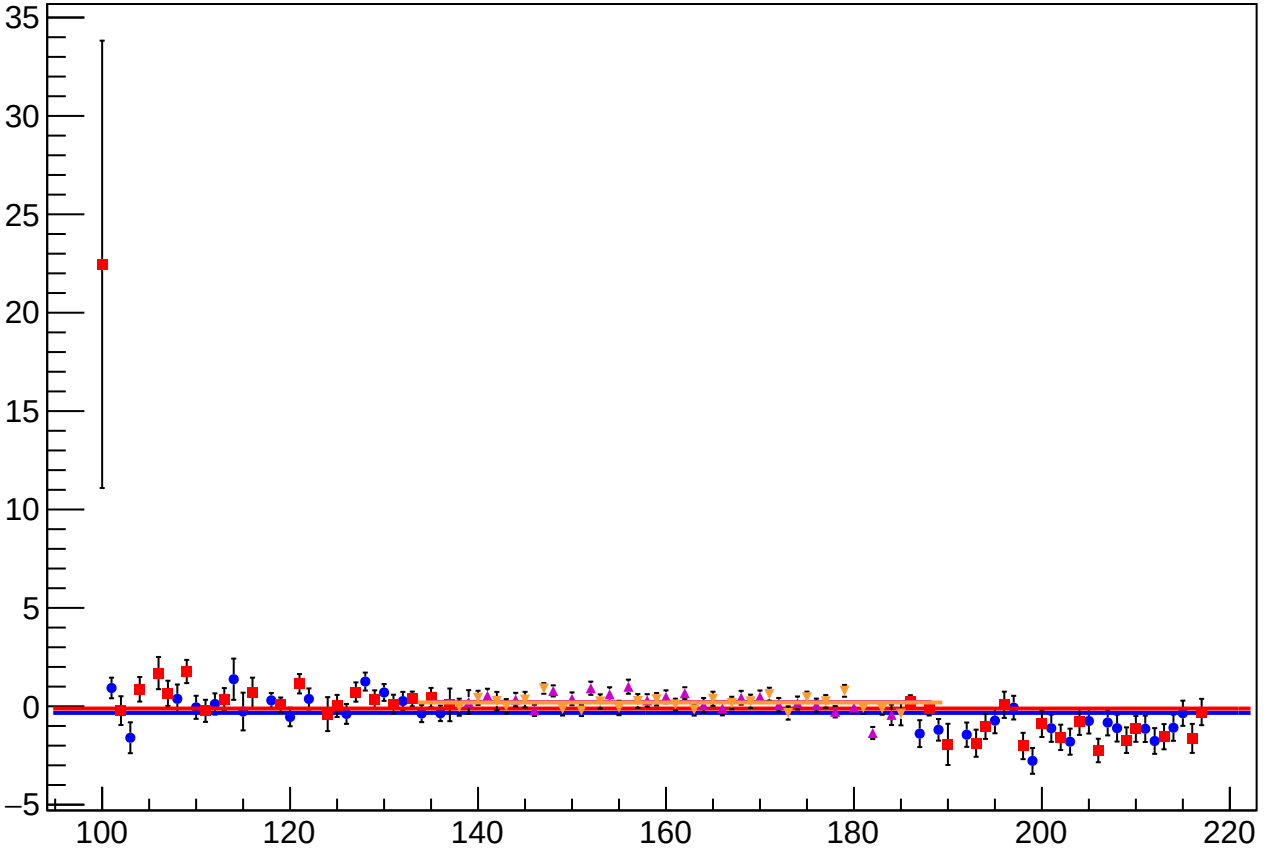
Right: -0.483+/-0.048 χ^2/NDF: 208.1/65

In: -0.239+/-0.054 χ^2/NDF:89.8/53

Out: -0.364+/-0.049 χ^2/NDF:204.8/59

All: -0.307+/-0.036 χ^2/NDF: 297.6/113

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: -0.114+/-0.096 χ^2/NDF: 97.7/34

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

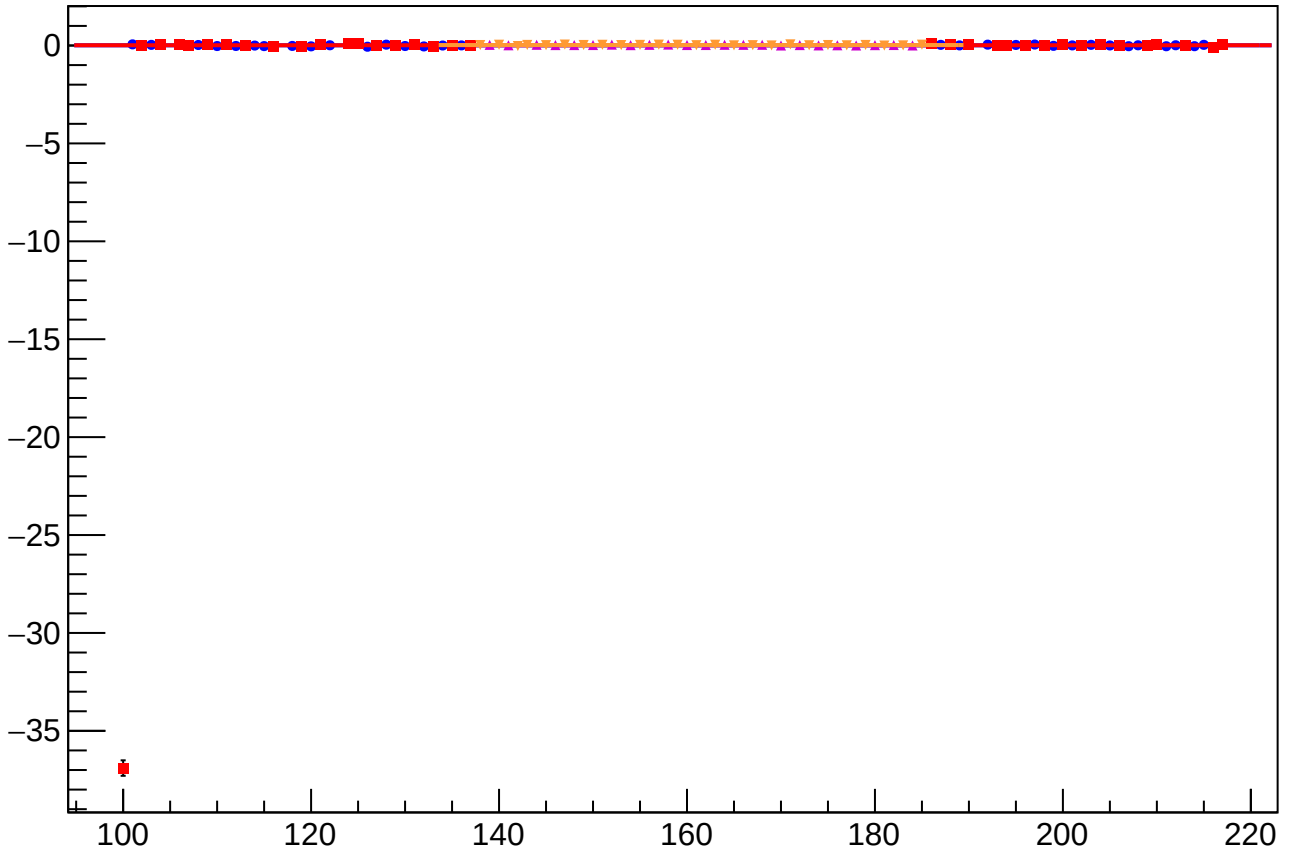
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.219+/-0.070 χ^2/NDF: 176.1/65

In: 0.040+/-0.057 χ^2/NDF:151.1/53

Out: 0.092+/-0.055 χ^2/NDF:130.5/59

All: 0.067+/-0.040 χ^2/NDF: 282.1/113



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: 8793.8/34

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

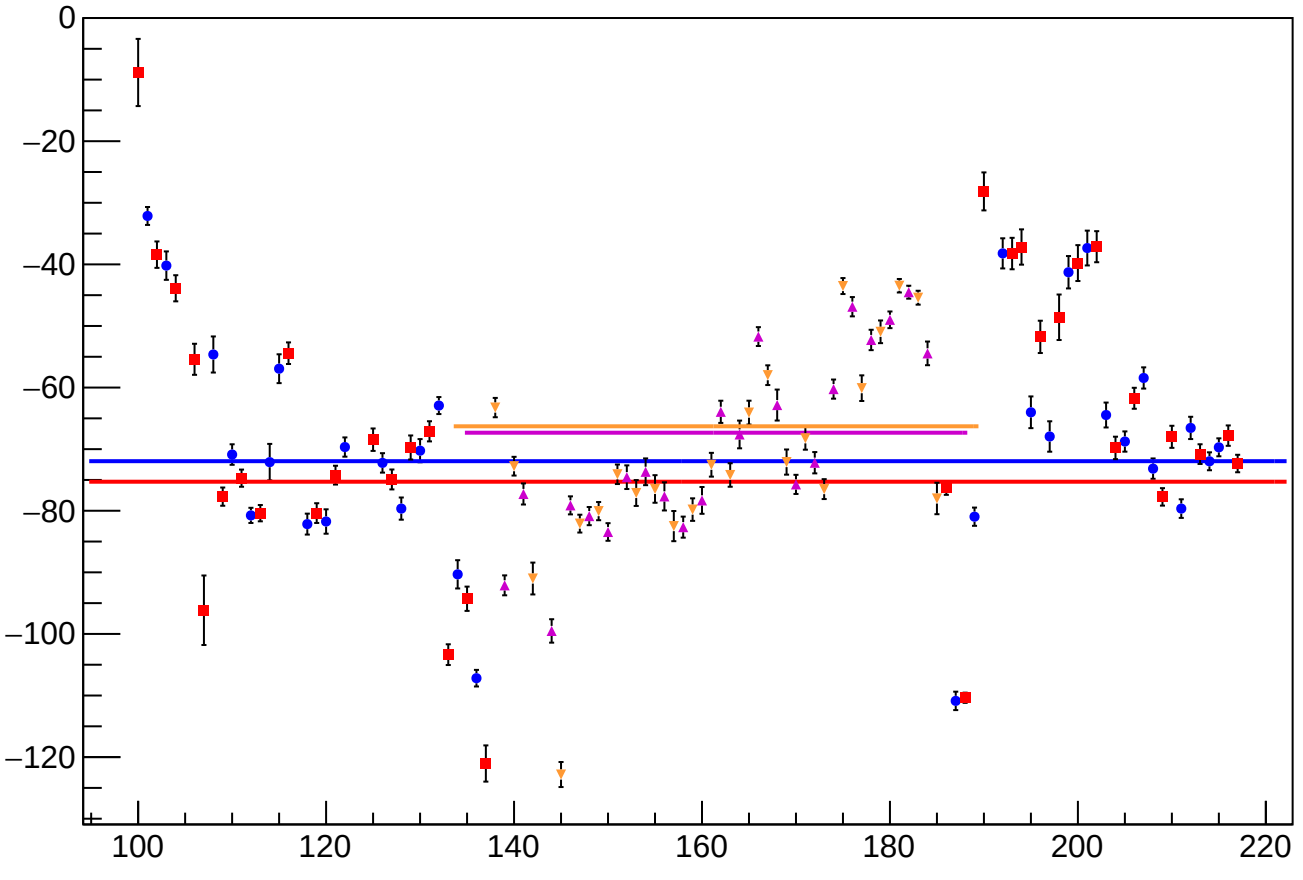
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8830.9/65

In: 0.020+/-0.003 χ^2/NDF:61.5/53

Out: 0.021+/-0.003 χ^2/NDF:8827.8/59

All: 0.020+/-0.002 χ^2/NDF: 8889.3/113



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: -75.286+/-0.298 χ^2/NDF: 4621.6/33

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

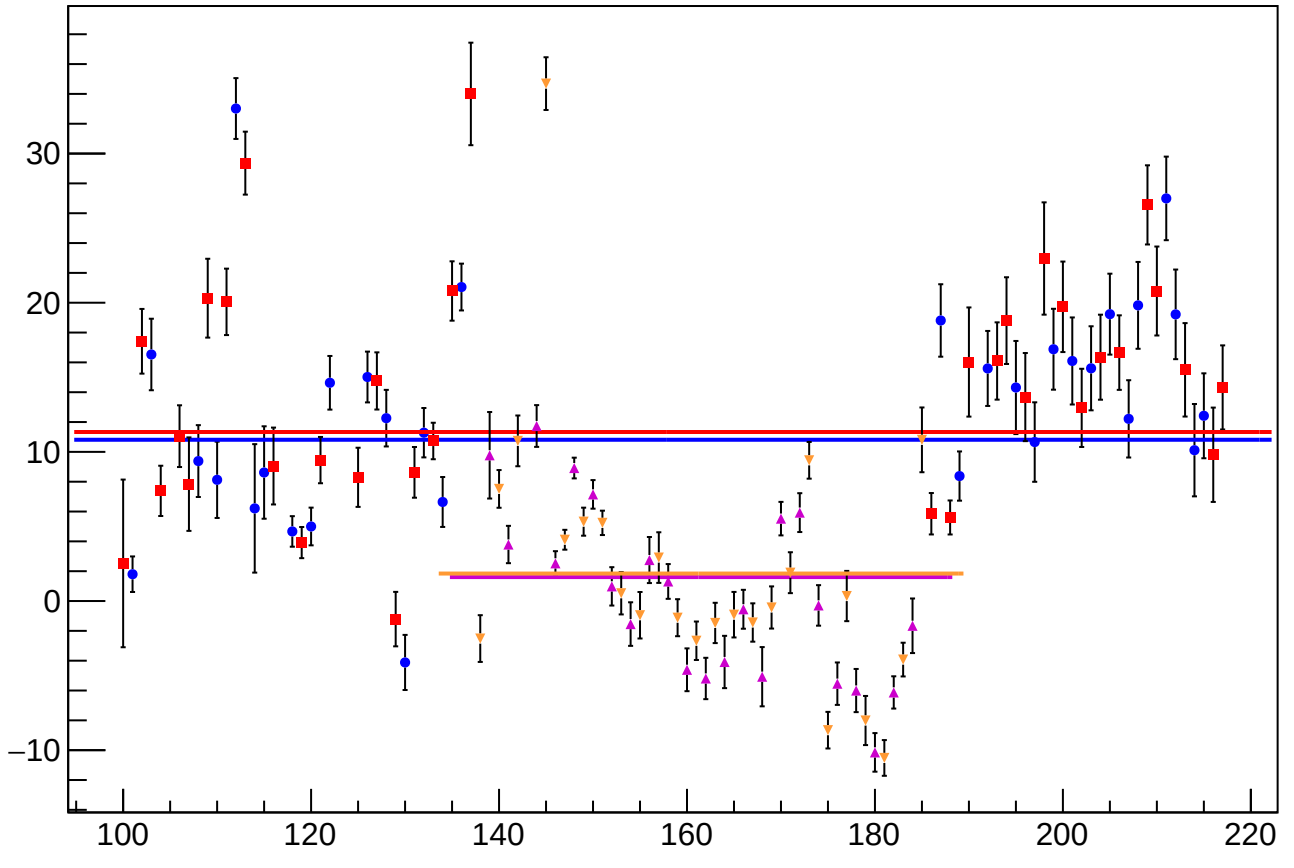
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.714+/-0.217 χ^2/NDF: 7936.6/64

In: -69.845+/-0.233 χ^2/NDF:5456.3/53

Out: -71.420+/-0.225 χ^2/NDF:7562.6/57

All: -70.659+/-0.162 χ^2/NDF: 13042.5/111



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: 11.332+/-0.351 χ^2/NDF: 415.6/33

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

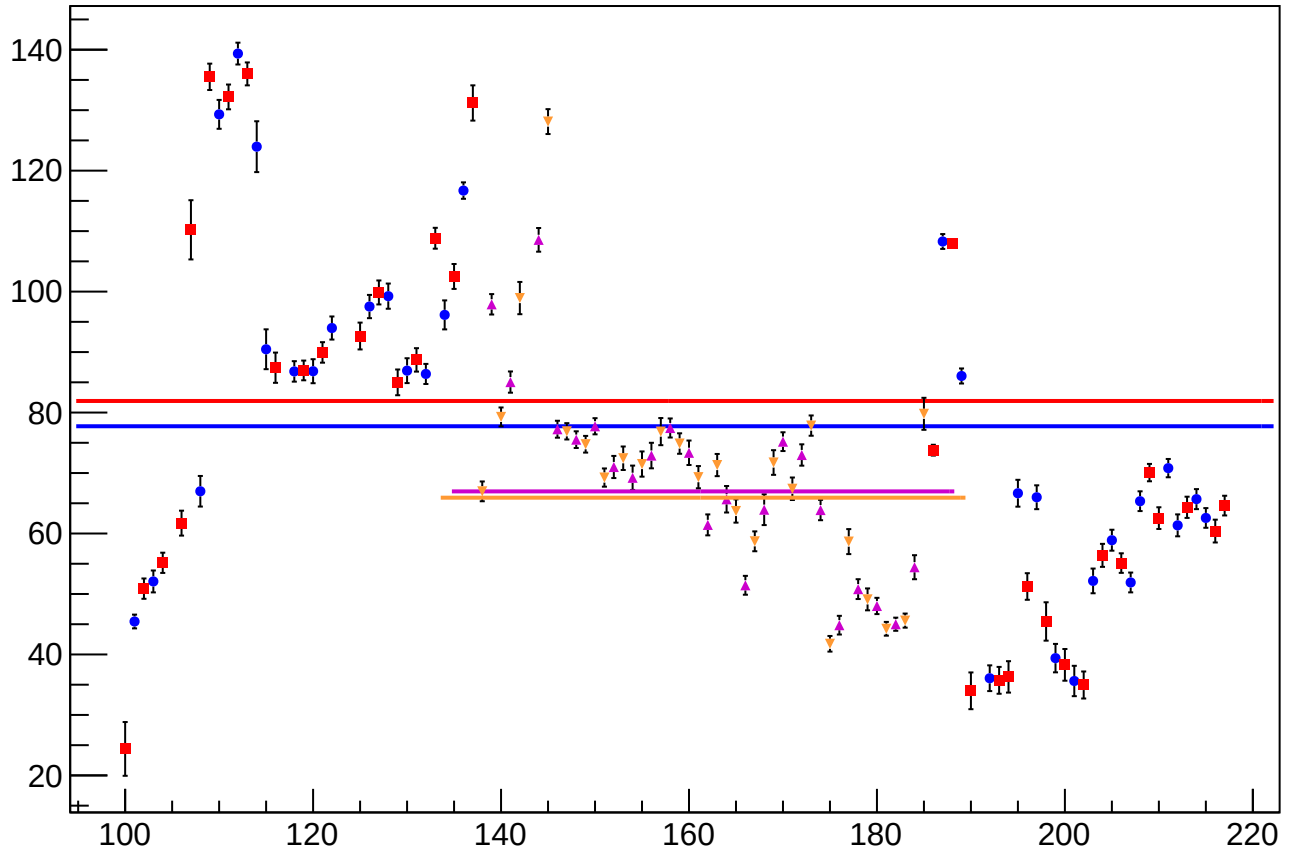
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 11.078+/-0.251 χ^2/NDF: 874.0/64

In: 4.737+/-0.210 χ^2/NDF:1385.8/53

Out: 5.106+/-0.206 χ^2/NDF:1675.5/57

All: 4.925+/-0.147 χ^2/NDF: 3062.8/111



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: 81.915+/-0.297 χ^2/NDF: 8330.8/33

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

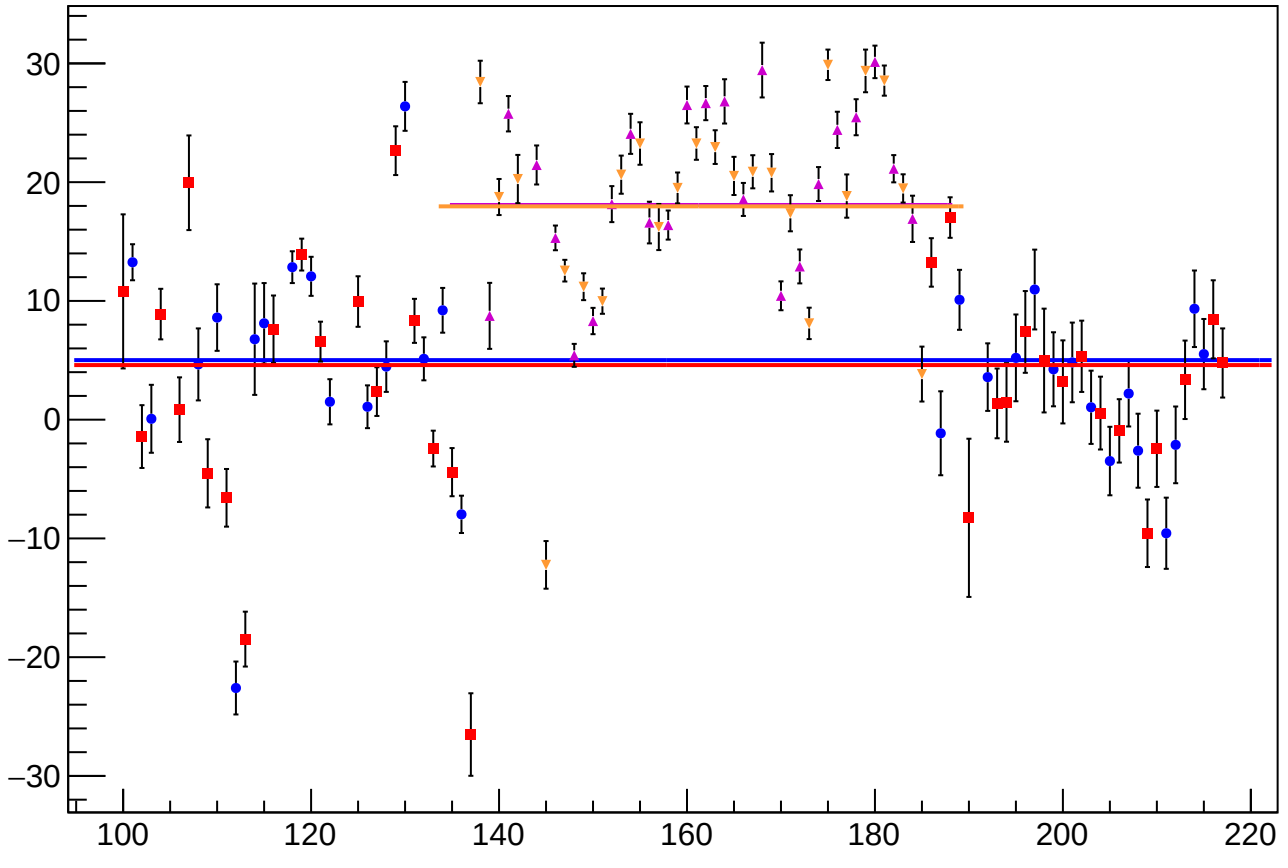
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 79.989+/-0.218 χ^2/NDF: 14951.9/64

In: 72.673+/-0.234 χ^2/NDF:9279.2/53

Out: 75.006+/-0.224 χ^2/NDF:12139.2/57

All: 73.891+/-0.162 χ^2/NDF: 21470.4/111



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: 4.597+/-0.417 χ^2/NDF: 533.8/33

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

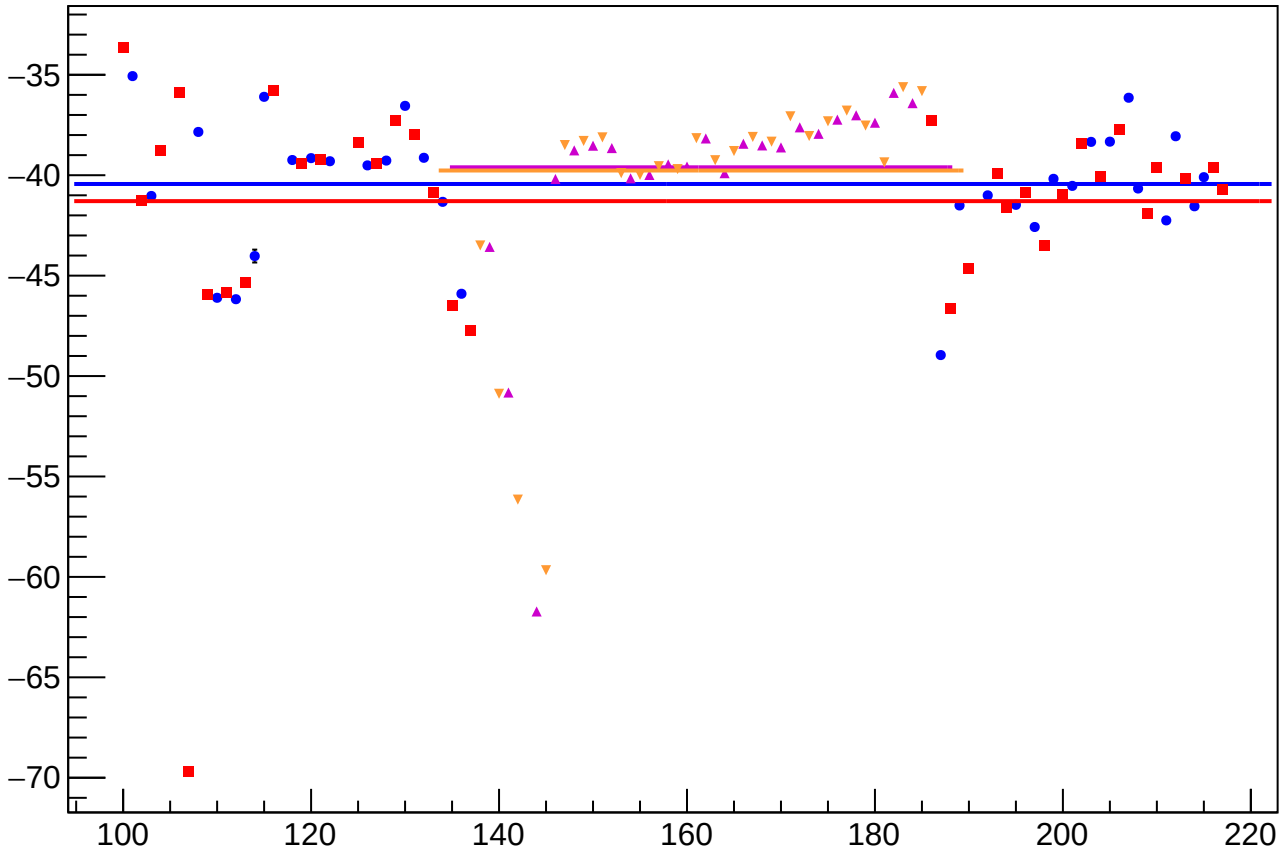
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.804+/-0.296 χ^2/NDF: 1023.0/64

In: 13.761+/-0.241 χ^2/NDF:1742.6/53

Out: 13.561+/-0.239 χ^2/NDF:1956.3/57

All: 13.660+/-0.170 χ^2/NDF: 3699.3/111



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: -41.290+/-0.021 χ^2/NDF: 44924.5/33

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

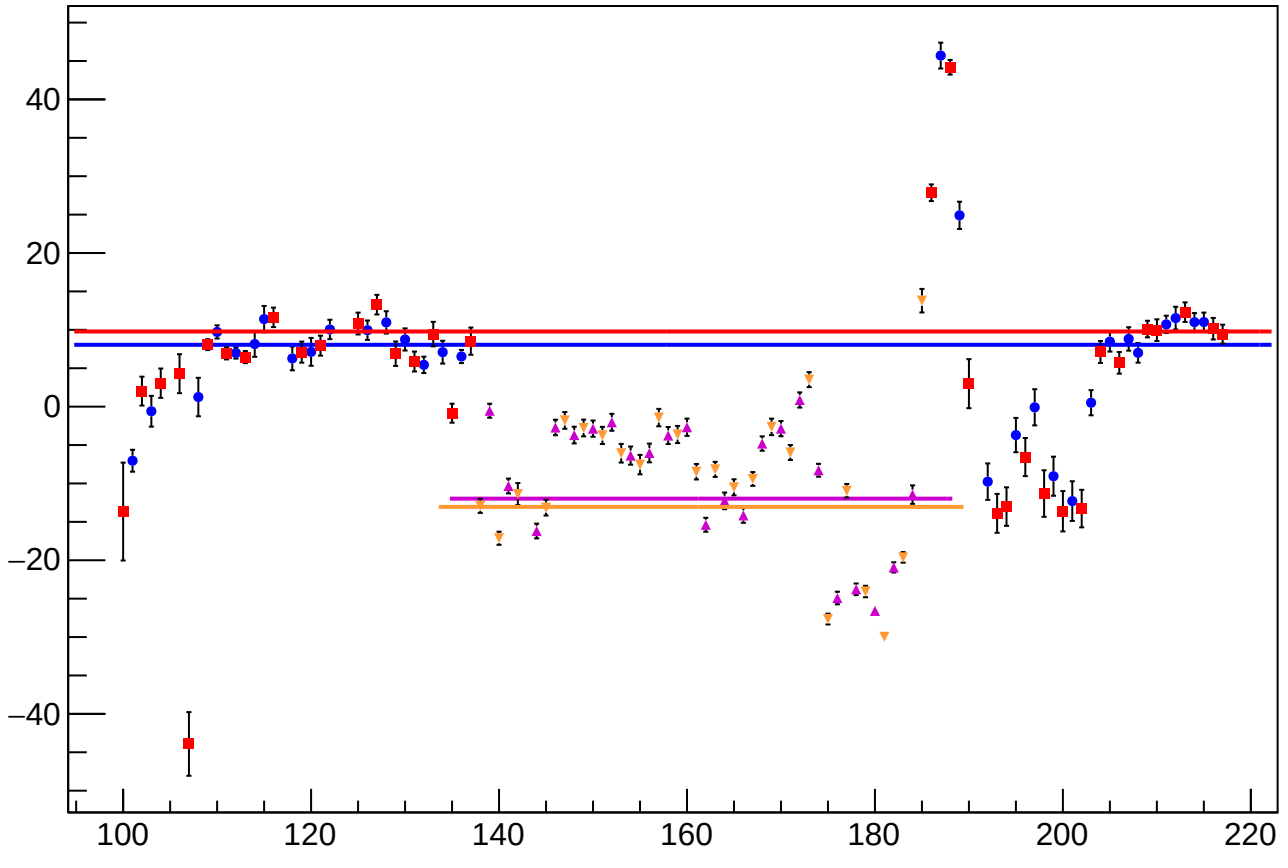
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.864+/-0.015 χ^2/NDF: 69108.1/64

In: -39.850+/-0.011 χ^2/NDF:131107.8/53

Out: -40.218+/-0.011 χ^2/NDF:178626.3/57

All: -40.033+/-0.008 χ^2/NDF: 310267.3/111



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: 9.783+/-0.234 χ^2/NDF: 2391.5/33

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

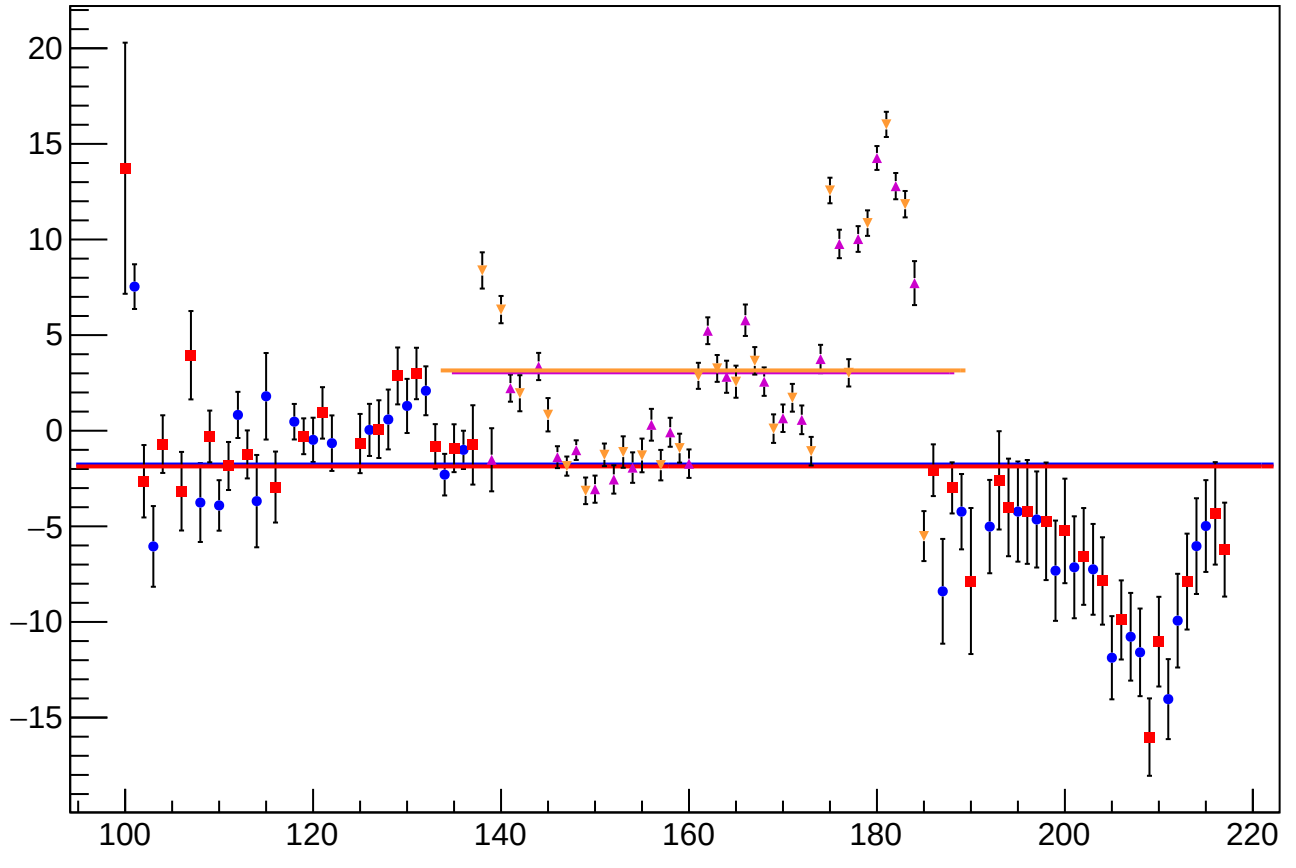
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.960+/-0.169 χ^2/NDF: 3425.7/64

In: -4.196+/-0.153 χ^2/NDF:7263.4/53

Out: -3.801+/-0.149 χ^2/NDF:10946.4/57

All: -3.993+/-0.107 χ^2/NDF: 18213.2/111



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: -1.867+/-0.292 χ^2/NDF: 155.8/33

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

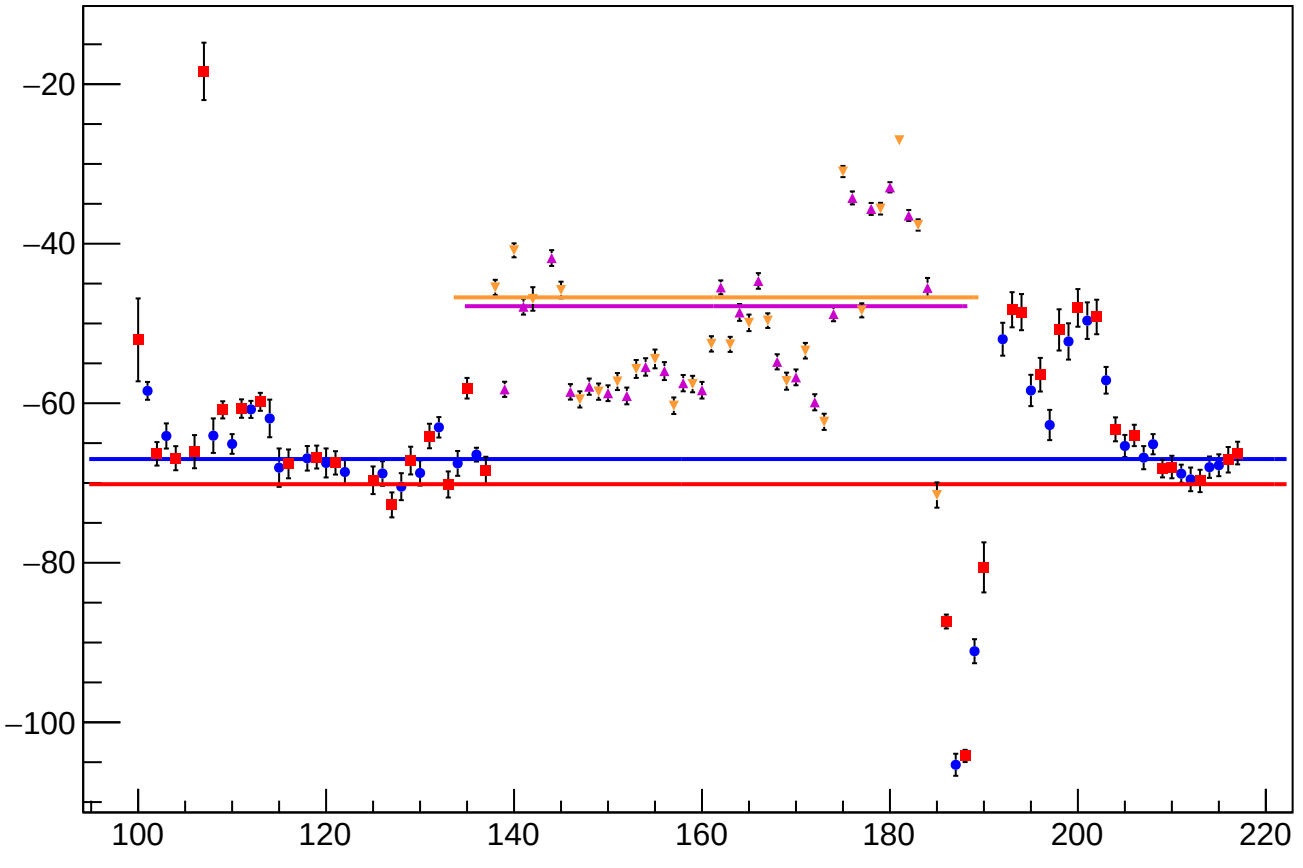
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.818+/-0.206 χ^2/NDF: 391.7/64

In: 2.025+/-0.135 χ^2/NDF:1595.8/53

Out: 2.112+/-0.133 χ^2/NDF:1775.8/57

All: 2.069+/-0.095 χ^2/NDF: 3371.8/111



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: -70.149+/-0.252 χ^2/NDF: 3486.9/33

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

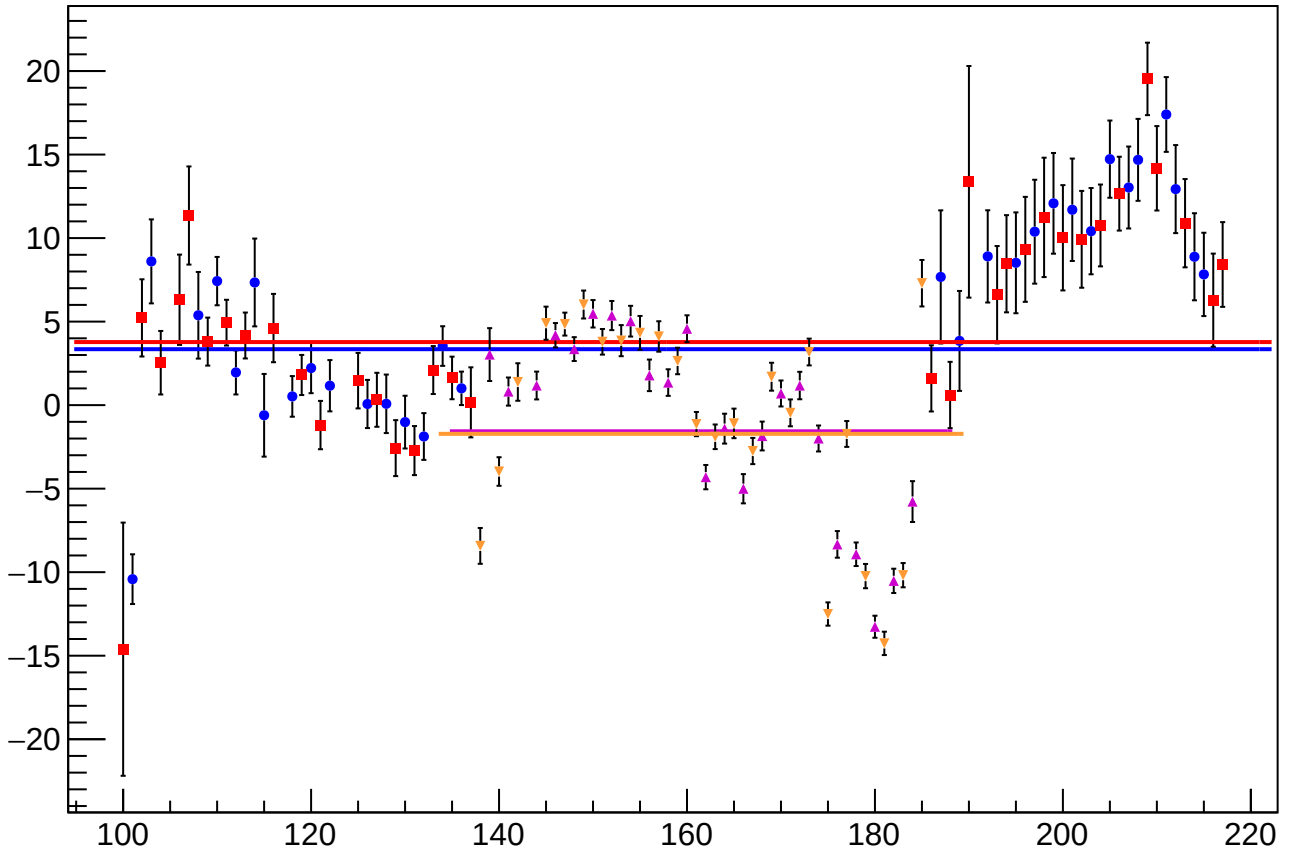
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.643+/-0.182 χ^2/NDF: 4931.3/64

In: -54.565+/-0.156 χ^2/NDF:7359.1/53

Out: -55.294+/-0.153 χ^2/NDF:12404.6/57

All: -54.938+/-0.109 χ^2/NDF: 19774.9/111



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: 3.776+/-0.335 χ^2/NDF: 207.8/33

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

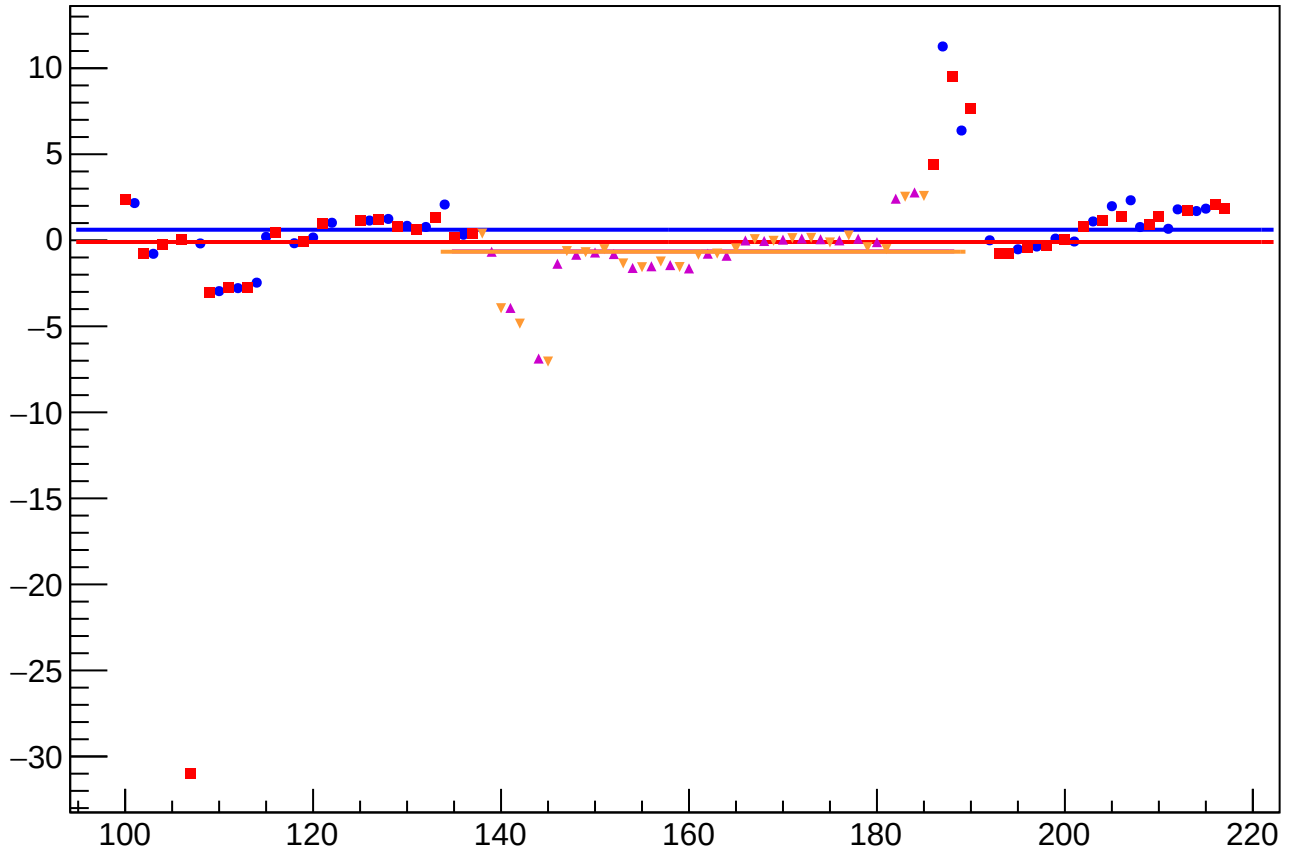
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.560+/-0.235 χ^2/NDF: 514.9/64

In: -0.533+/-0.152 χ^2/NDF:1598.5/53

Out: -0.615+/-0.150 χ^2/NDF:1829.0/57

All: -0.575+/-0.107 χ^2/NDF: 3427.7/111



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: -0.100+/-0.017 χ^2/NDF: 61620.6/33

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

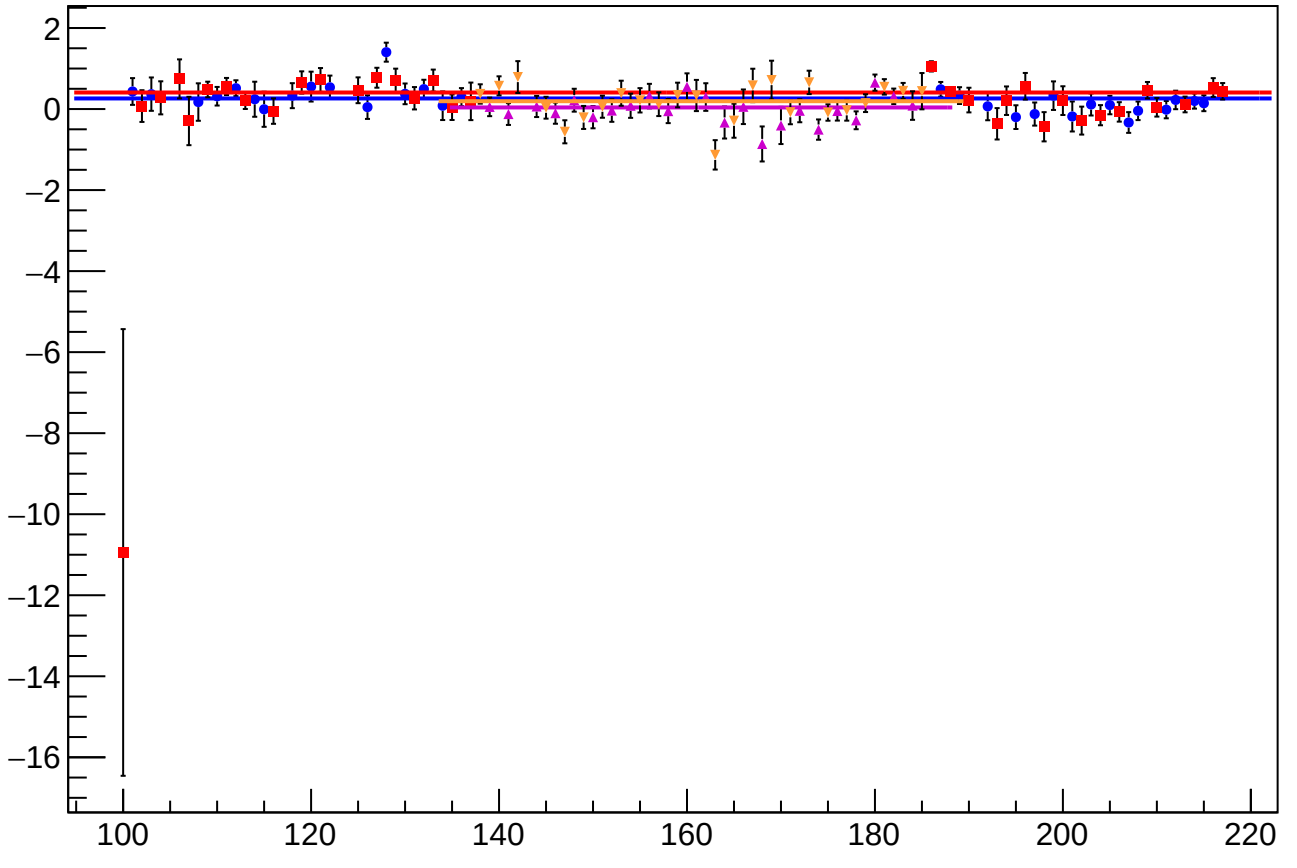
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.264+/-0.012 χ^2/NDF: 73061.2/64

In: -0.431+/-0.007 χ^2/NDF:60861.8/53

Out: -0.573+/-0.007 χ^2/NDF:117820.5/57

All: -0.502+/-0.005 χ^2/NDF: 178896.9/111



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: 0.408+/-0.042 χ^2/NDF: 73.9/33

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

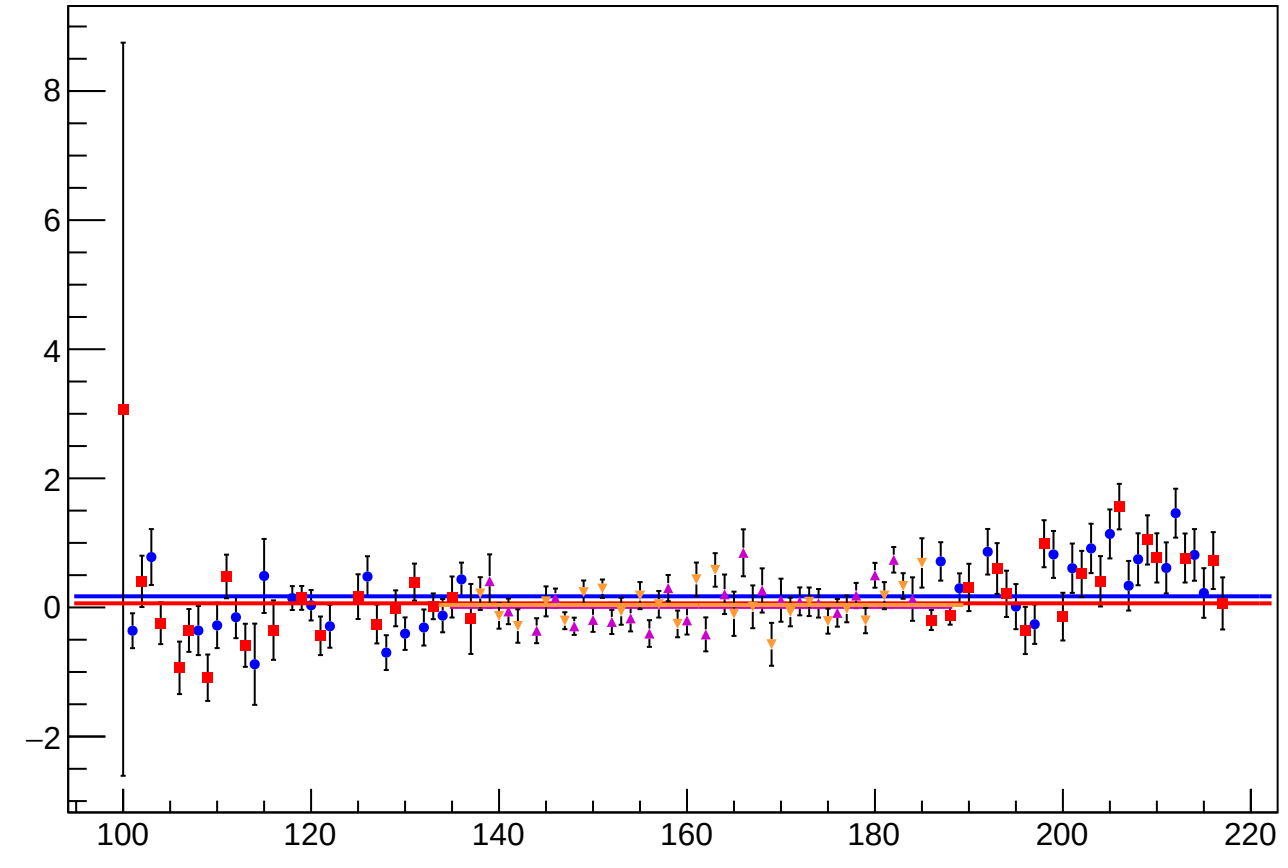
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.342+/-0.031 χ^2/NDF: 127.1/64

In: 0.174+/-0.036 χ^2/NDF:87.2/53

Out: 0.332+/-0.034 χ^2/NDF:127.3/57

All: 0.259+/-0.025 χ^2/NDF: 224.8/111



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: 83.0/33

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

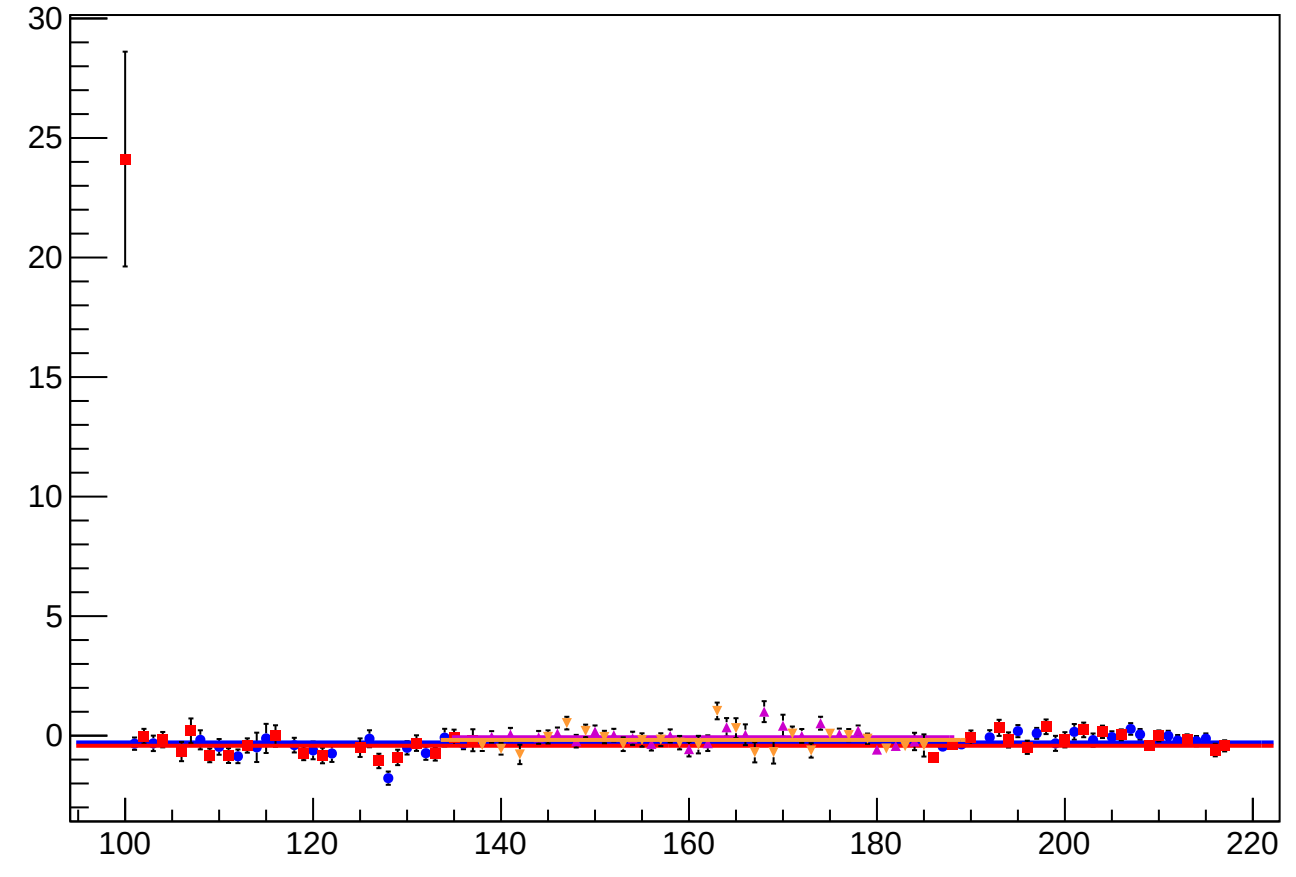
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.113+/-0.038 χ^2/NDF: 164.8/64

In: 0.070+/-0.035 χ^2/NDF:136.4/53

Out: 0.048+/-0.033 χ^2/NDF:115.9/57

All: 0.059+/-0.024 χ^2/NDF: 252.5/111



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: 106.2/33

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

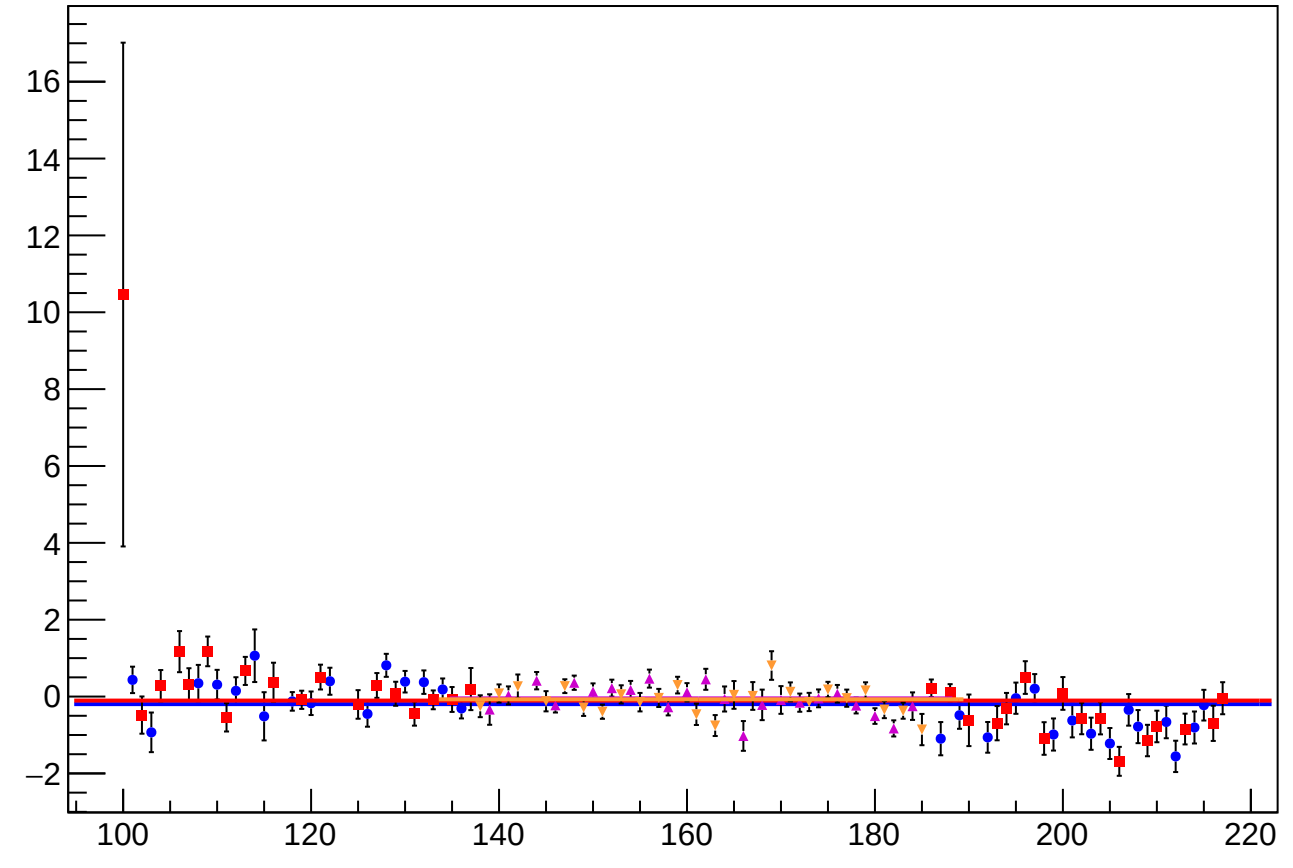
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.362+/-0.031 χ^2/NDF: 172.6/64

In: -0.194+/-0.036 χ^2/NDF:101.4/53

Out: -0.338+/-0.033 χ^2/NDF:160.7/57

All: -0.273+/-0.024 χ^2/NDF: 270.7/111



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: -0.104+/-0.063 χ^2/NDF: 82.9/33

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

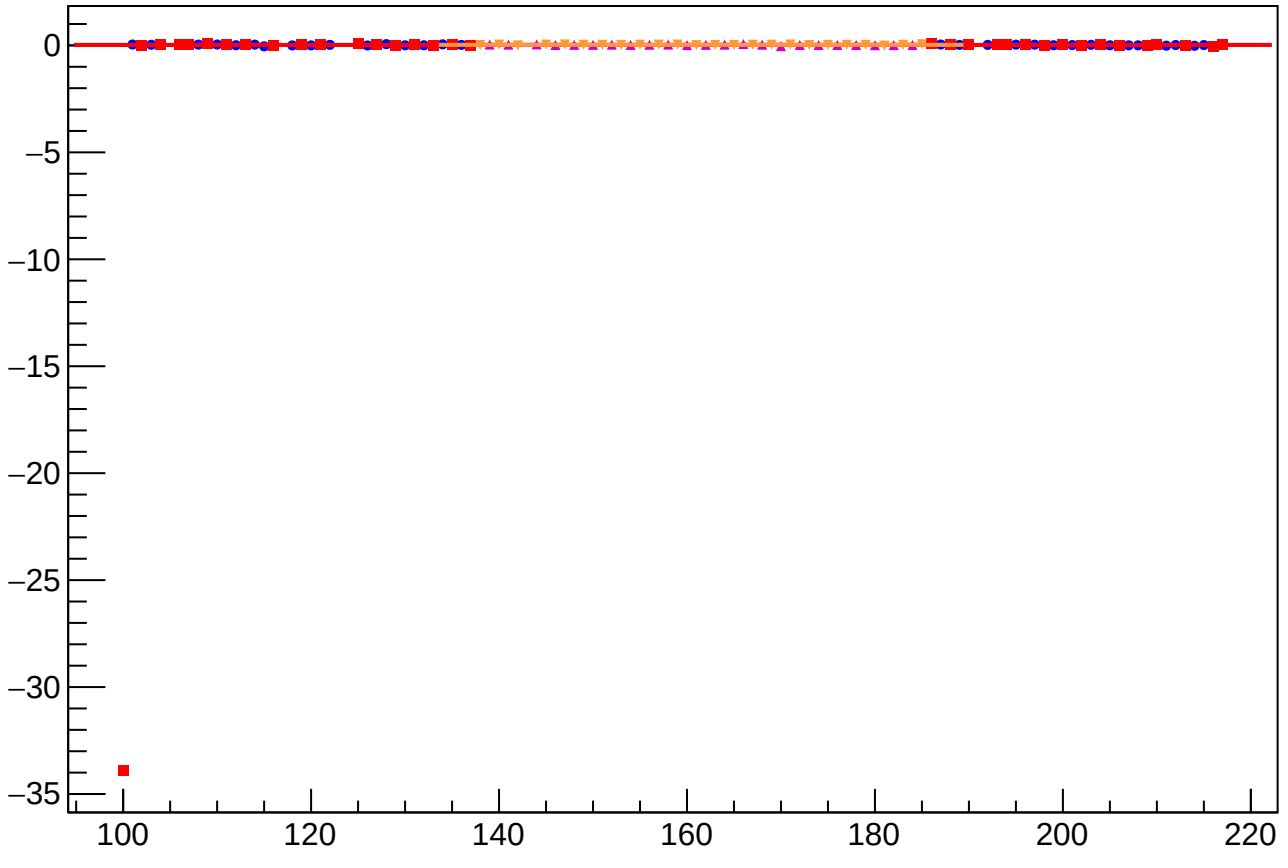
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.148+/-0.045 χ^2/NDF: 163.4/64

In: -0.102+/-0.040 χ^2/NDF:133.2/53

Out: -0.084+/-0.039 χ^2/NDF:120.8/57

All: -0.093+/-0.028 χ^2/NDF: 254.1/111



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: 22325.4/33

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

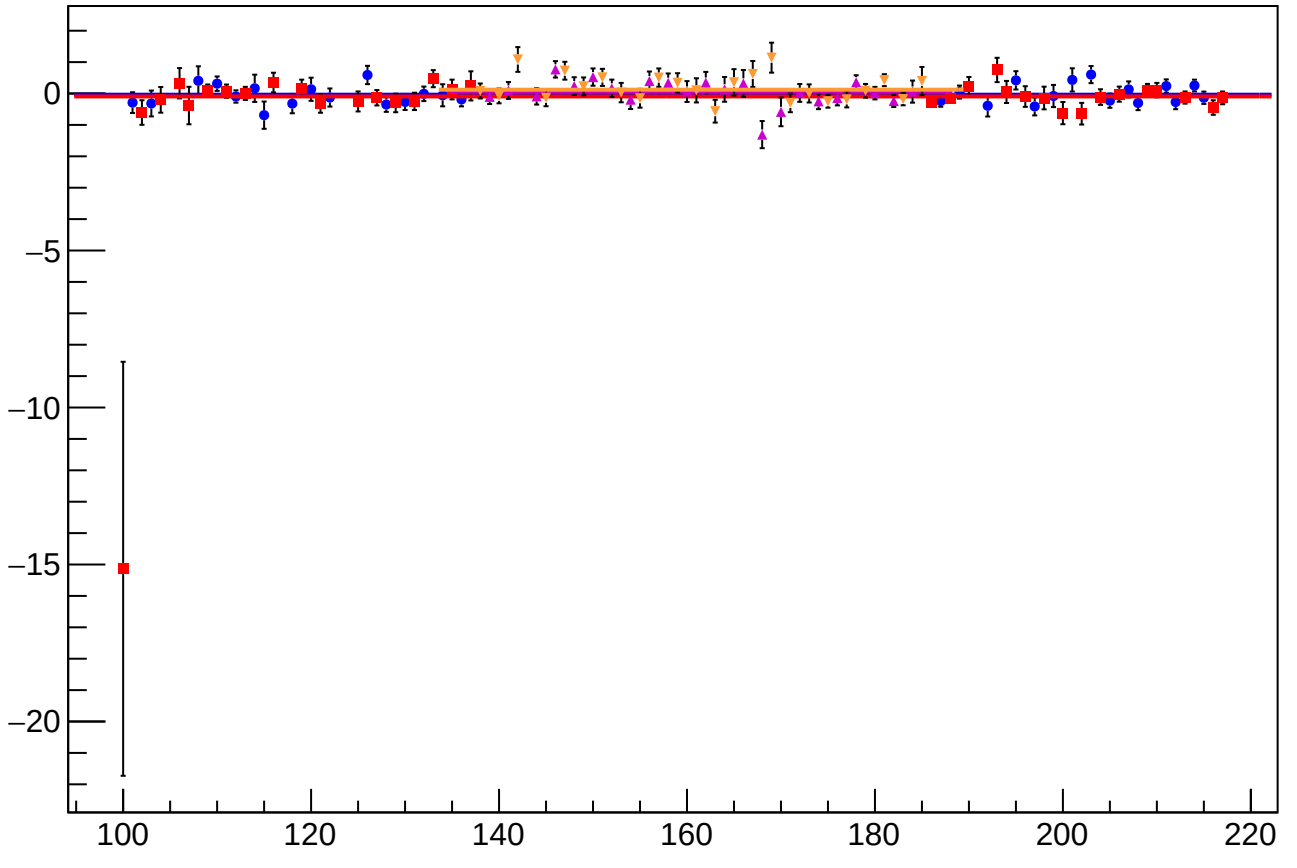
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.021+/-0.002 χ^2/NDF: 22355.5/64

In: 0.025+/-0.002 χ^2/NDF:71.2/53

Out: 0.024+/-0.002 χ^2/NDF:22359.0/57

All: 0.024+/-0.001 χ^2/NDF: 22430.3/111



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: -0.093+/-0.042 χ^2/NDF: 37.7/33

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

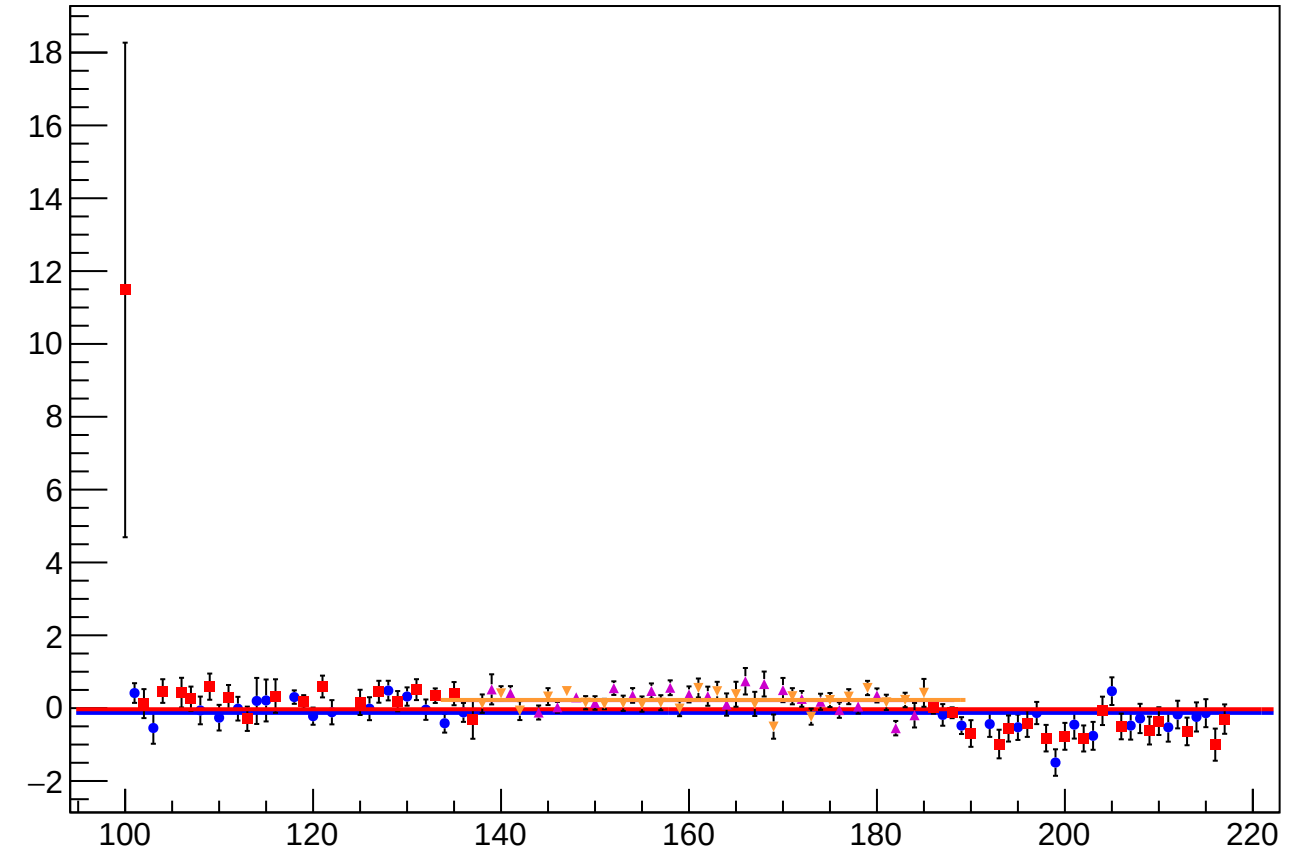
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.068+/-0.031 χ^2/NDF: 75.8/64

In: 0.002+/-0.036 χ^2/NDF:73.4/53

Out: -0.017+/-0.034 χ^2/NDF:86.6/57

All: -0.008+/-0.025 χ^2/NDF: 160.1/111



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: -0.030+/-0.052 χ^2/NDF: 70.3/33

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

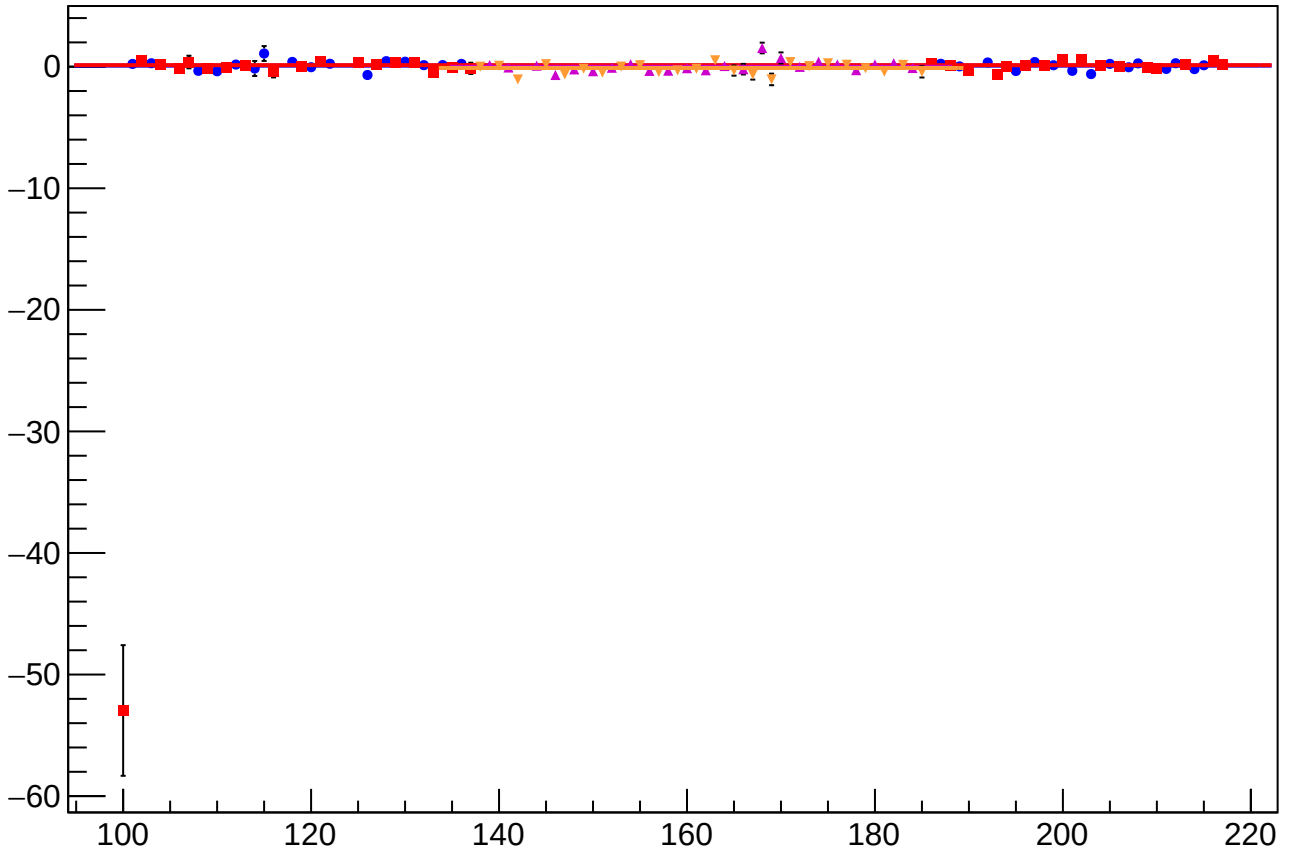
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.076+/-0.038 χ^2/NDF: 119.6/64

In: 0.088+/-0.035 χ^2/NDF:110.9/53

Out: 0.121+/-0.033 χ^2/NDF:108.6/57

All: 0.105+/-0.024 χ^2/NDF: 219.9/111



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: 127.0/33

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

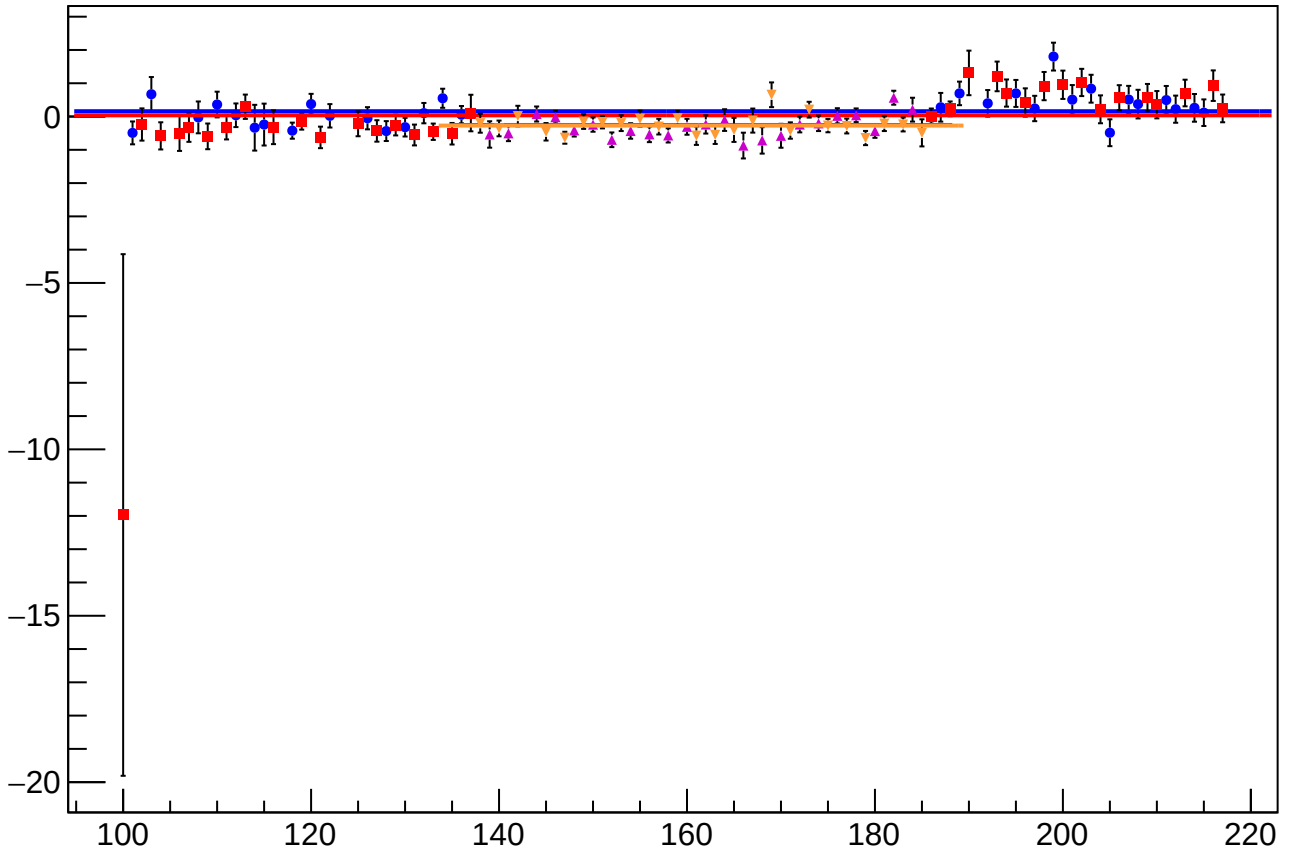
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.110+/-0.031 χ^2/NDF: 163.8/64

In: 0.049+/-0.036 χ^2/NDF:76.1/53

Out: 0.046+/-0.033 χ^2/NDF:175.7/57

All: 0.047+/-0.024 χ^2/NDF: 251.8/111



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: 0.036+/-0.063 χ^2/NDF: 71.0/33

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

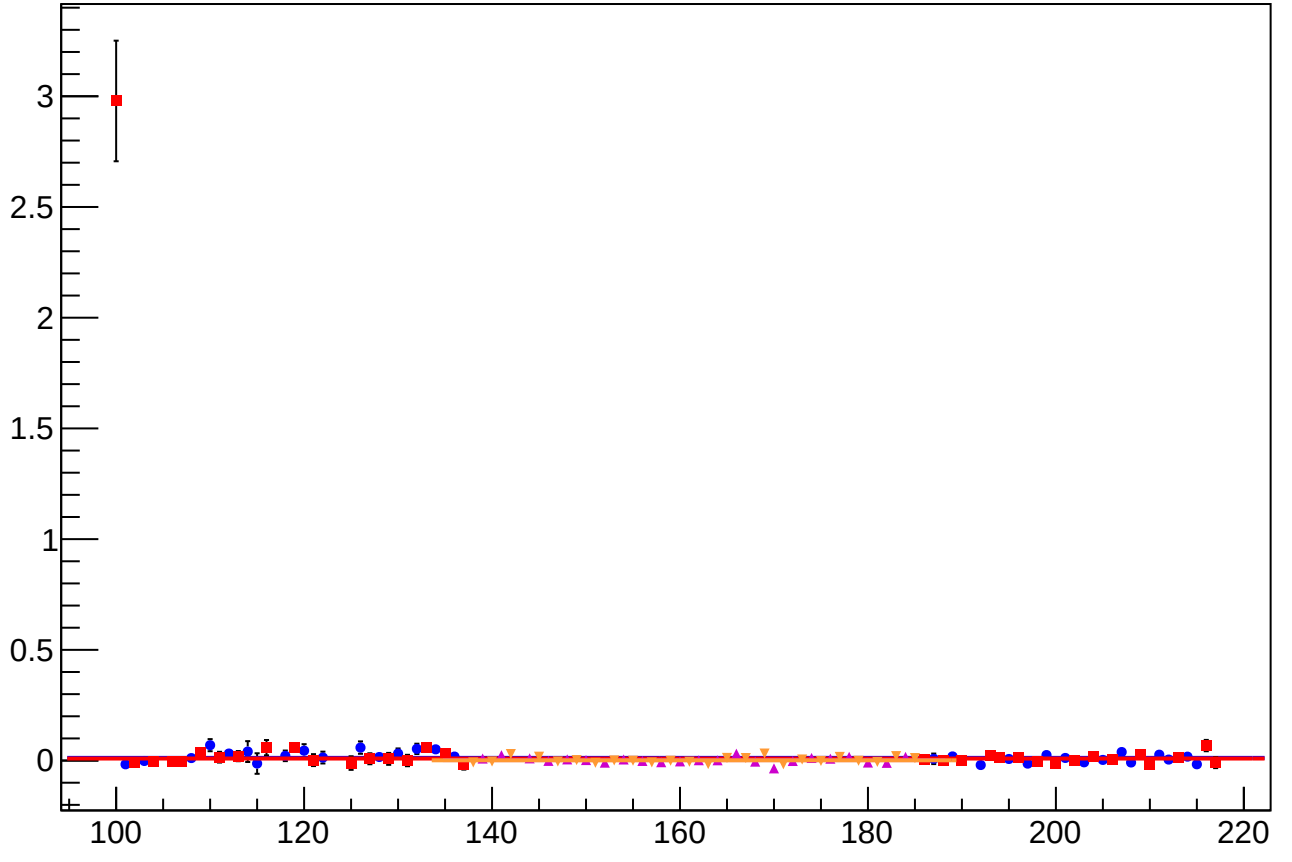
Right: 0.095+/-0.045 χ^2/NDF: 122.2/64

In: -0.101+/-0.040 χ^2/NDF:114.9/53

Out: -0.154+/-0.039 χ^2/NDF:110.8/57

All: -0.128+/-0.028 χ^2/NDF: 226.7/111

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 158.2/33

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

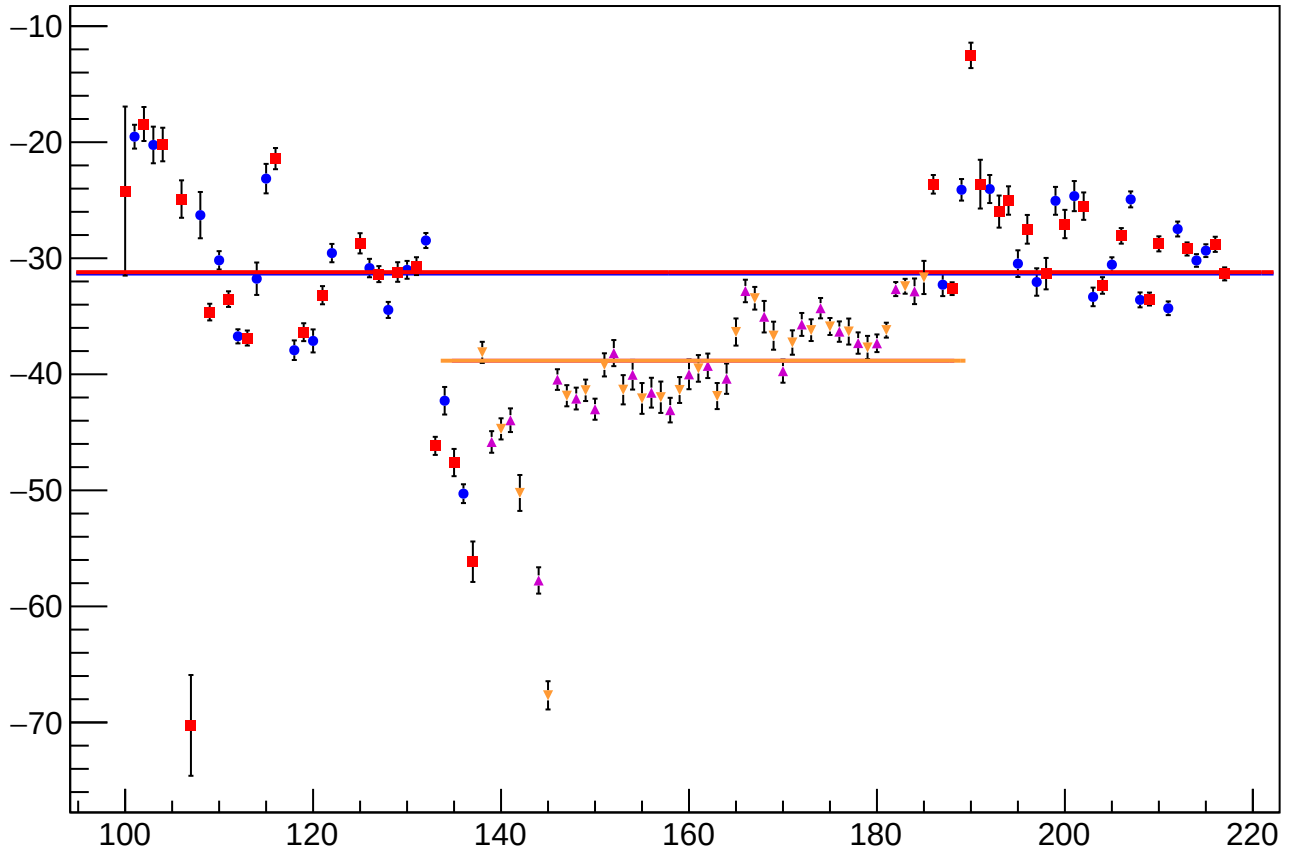
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 205.6/64

In: 0.006+/-0.002 χ^2/NDF:78.3/53

Out: 0.004+/-0.002 χ^2/NDF:189.6/57

All: 0.005+/-0.001 χ^2/NDF: 268.3/111



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: -31.198+/-0.142 χ^2/NDF: 1852.3/34

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

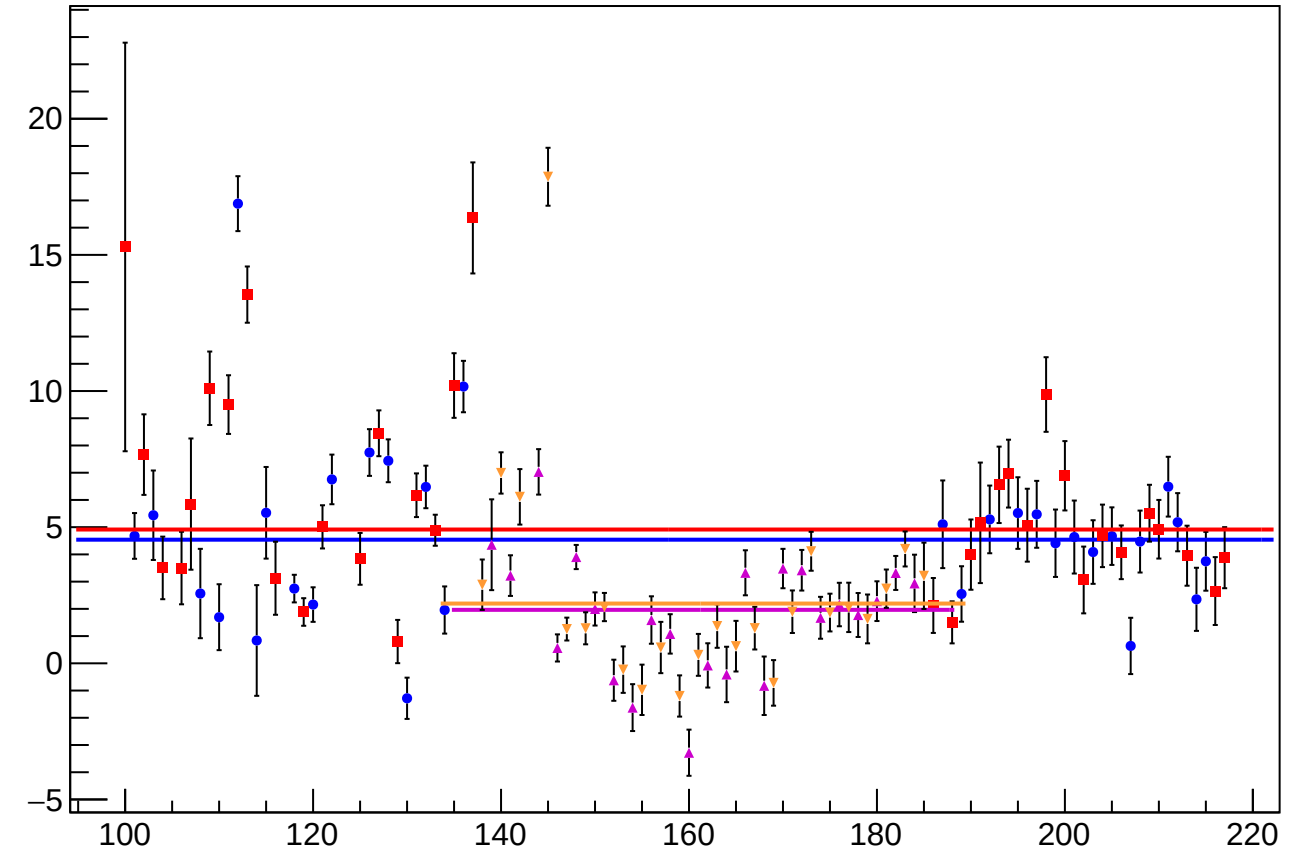
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.256+/-0.102 χ^2/NDF: 3273.9/65

In: -33.865+/-0.118 χ^2/NDF:2978.5/53

Out: -33.716+/-0.116 χ^2/NDF:3725.1/58

All: -33.789+/-0.083 χ^2/NDF: 6704.3/112



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: 4.914+/-0.174 χ^2/NDF: 303.5/34

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

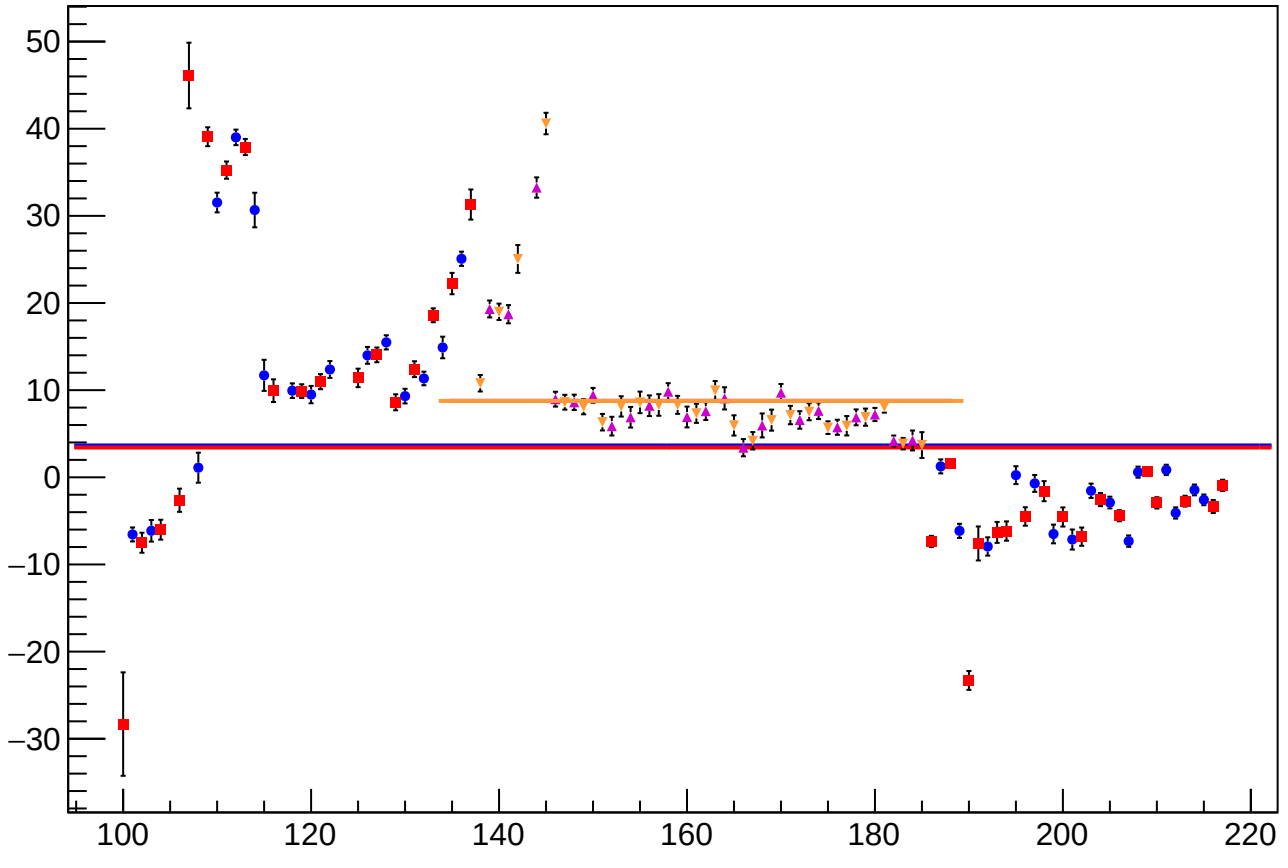
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.730+/-0.124 χ^2/NDF: 663.6/65

In: 3.080+/-0.117 χ^2/NDF:651.2/53

Out: 3.370+/-0.115 χ^2/NDF:806.5/58

All: 3.227+/-0.082 χ^2/NDF: 1460.8/112



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: 3.421+/-0.147 χ^2/NDF: 7063.7/34

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

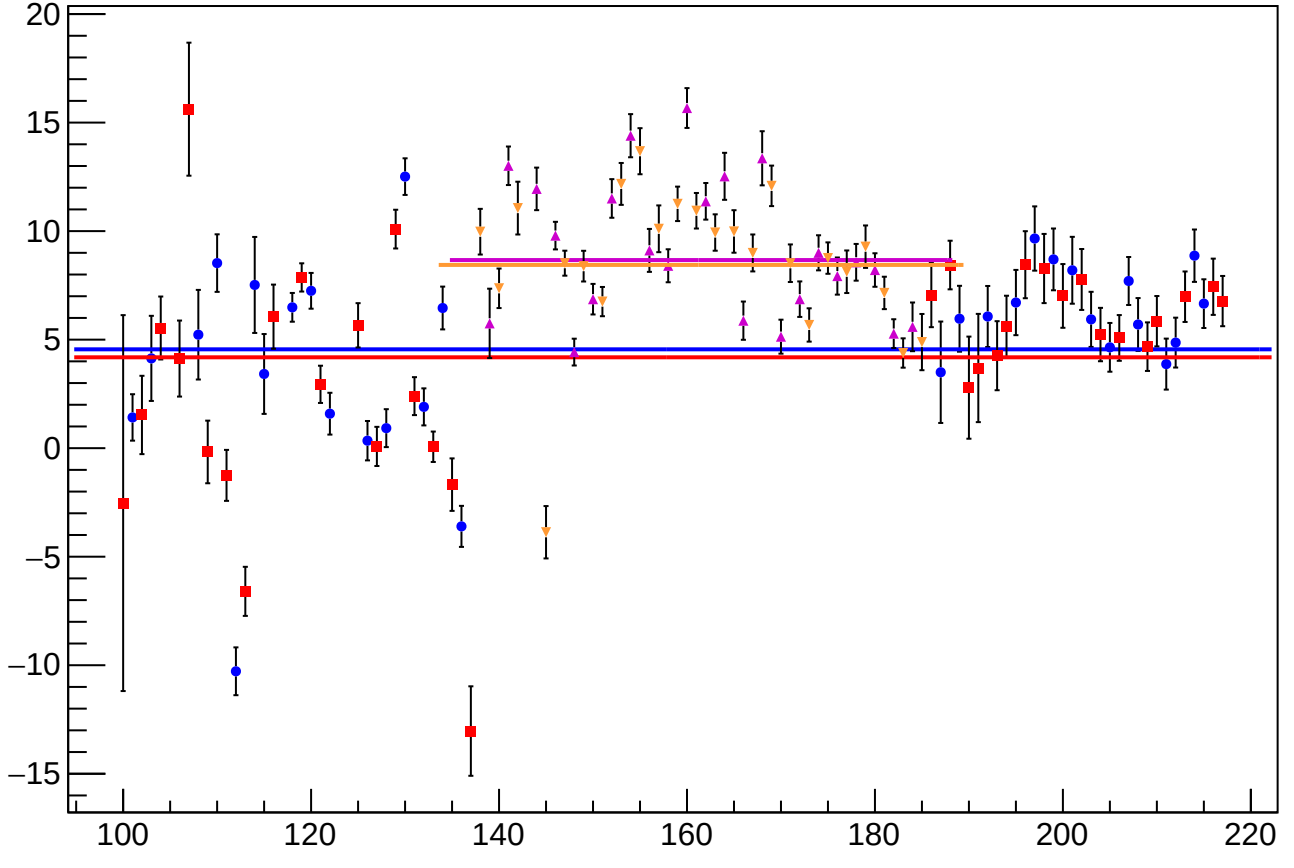
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 3.535+/-0.106 χ^2/NDF: 12346.1/65

In: 5.521+/-0.122 χ^2/NDF:6486.2/53

Out: 5.297+/-0.119 χ^2/NDF:8560.3/58

All: 5.406+/-0.085 χ^2/NDF: 15048.2/112



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: 4.186+/-0.202 χ^2/NDF: 438.4/34

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

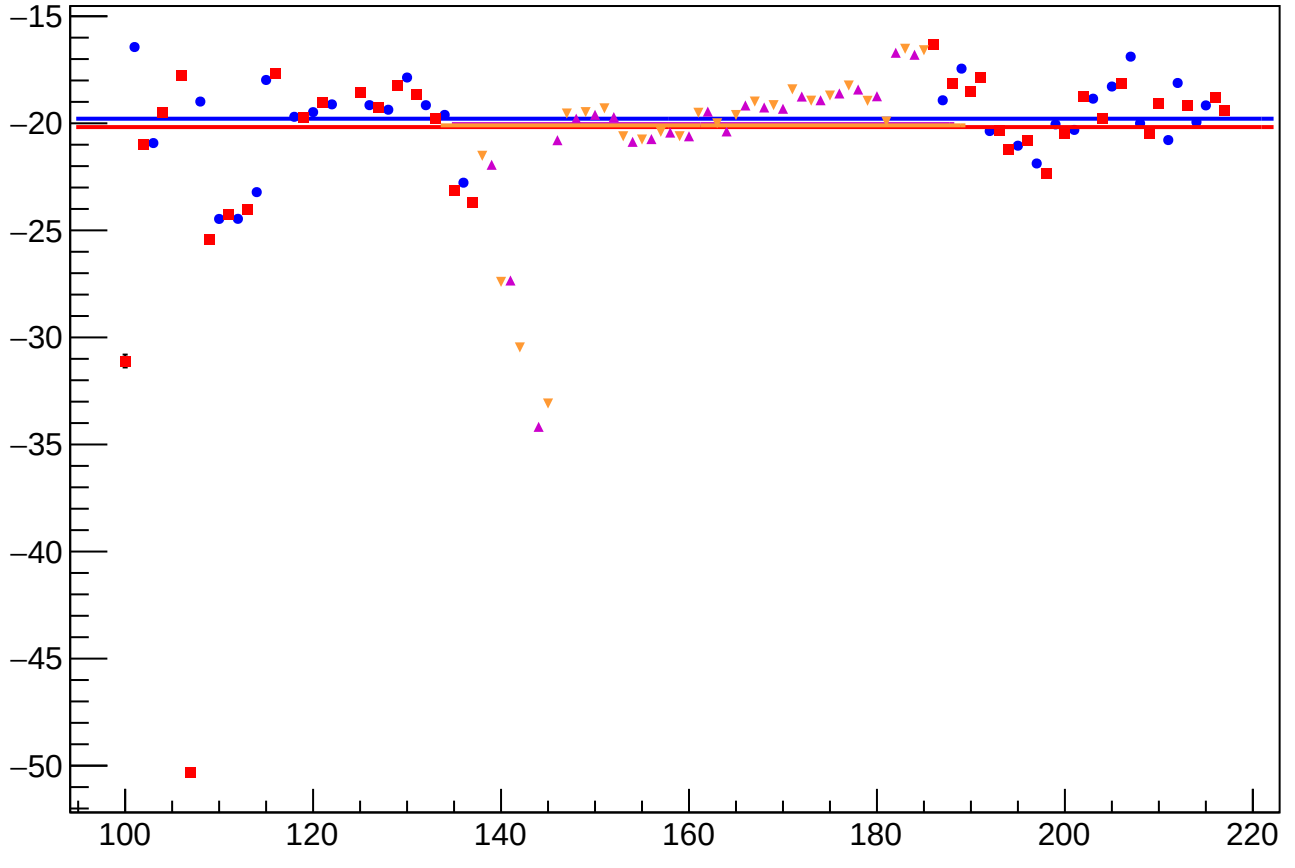
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.369+/-0.143 χ^2/NDF: 942.7/65

In: 6.902+/-0.133 χ^2/NDF:1042.6/53

Out: 6.632+/-0.132 χ^2/NDF:958.4/58

All: 6.766+/-0.093 χ^2/NDF: 2003.1/112



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: -20.177+/-0.010 χ^2/NDF: 72886.9/34

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

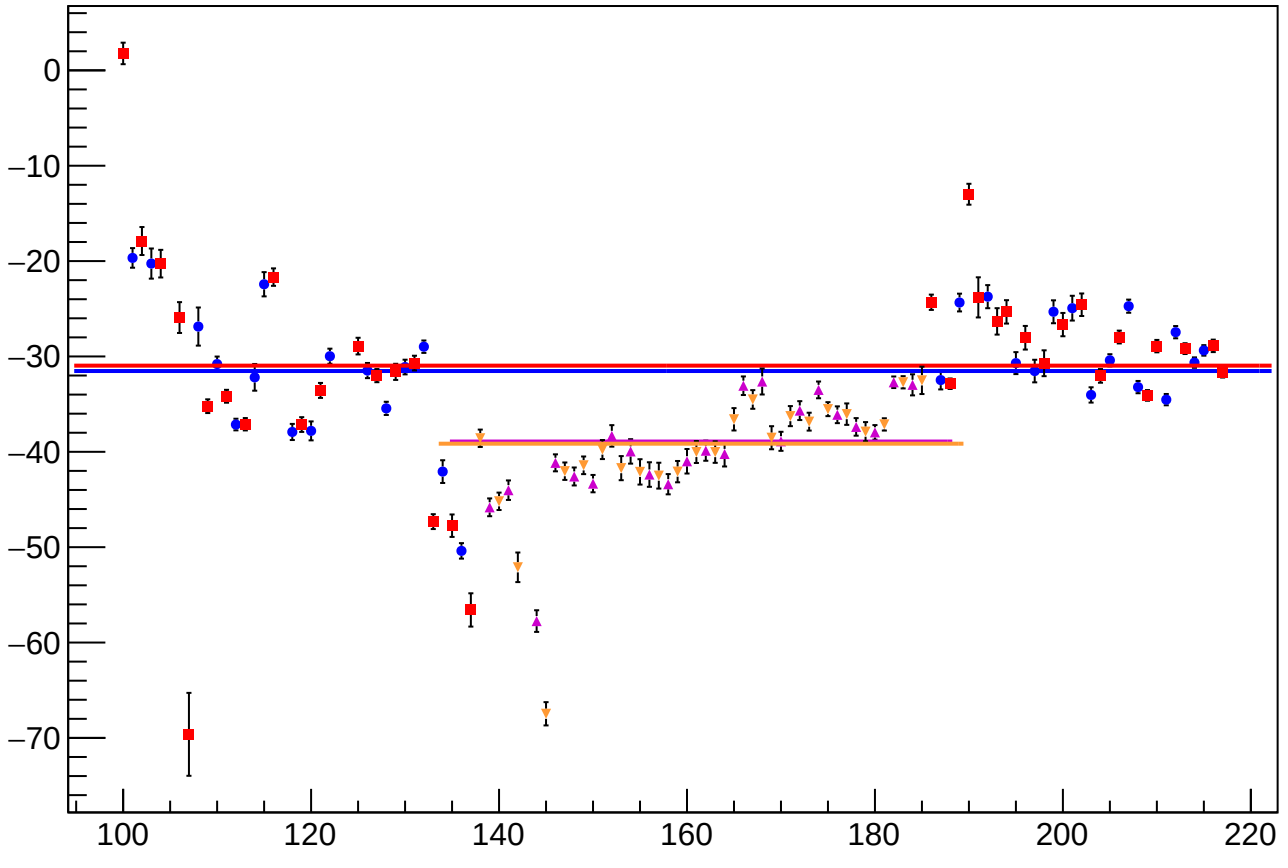
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -19.983+/-0.007 χ^2/NDF: 106143.3/65

In: -19.942+/-0.006 χ^2/NDF:165176.2/53

Out: -20.127+/-0.006 χ^2/NDF:232220.3/58

All: -20.035+/-0.004 χ^2/NDF: 397840.1/112



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: -30.964+/-0.141 χ^2/NDF: 2781.9/34

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

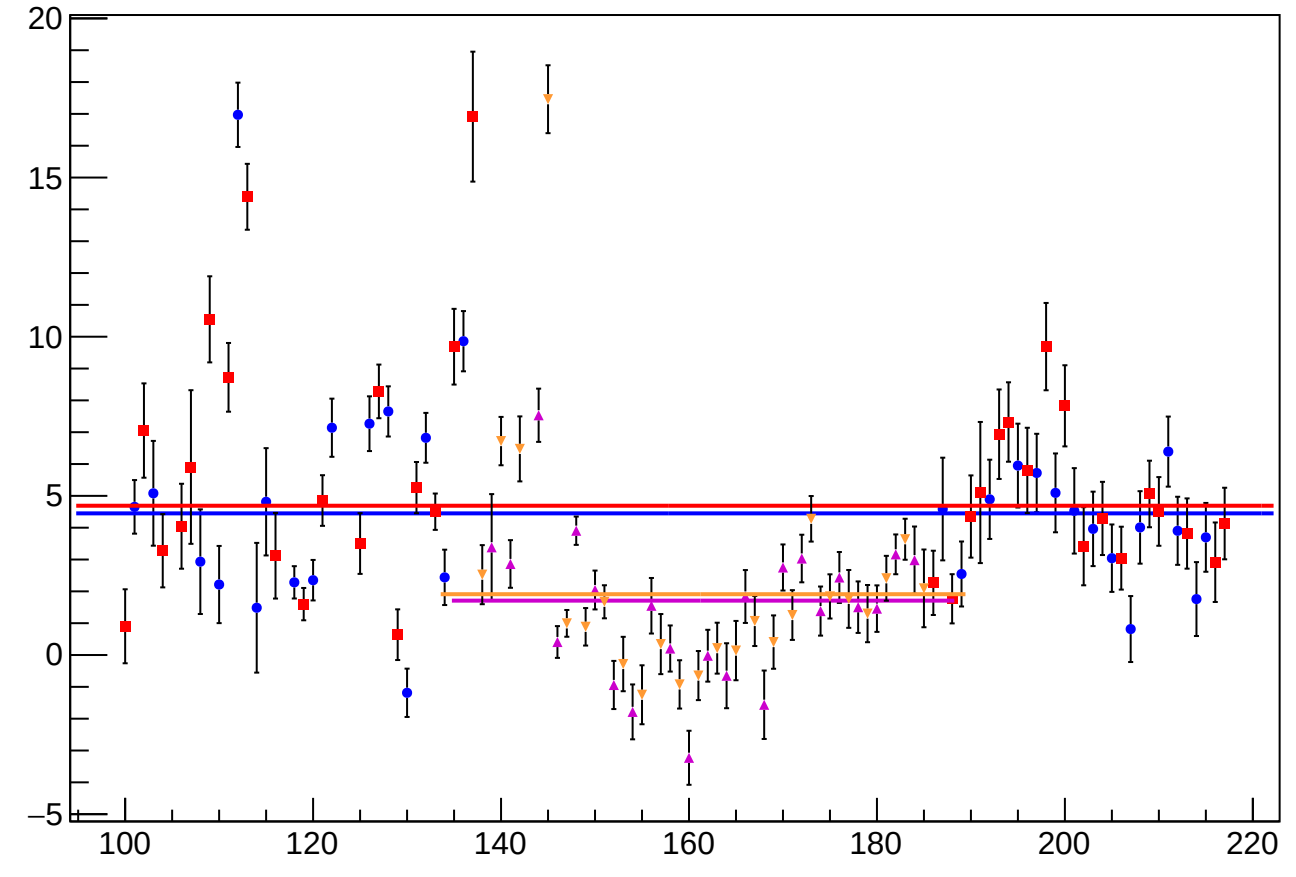
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.236+/-0.101 χ^2/NDF: 4237.5/65

In: -34.033+/-0.119 χ^2/NDF:3002.6/53

Out: -33.635+/-0.116 χ^2/NDF:4781.5/58

All: -33.829+/-0.083 χ^2/NDF: 7789.9/112



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: 4.690+/-0.173 χ^2/NDF: 328.2/34

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

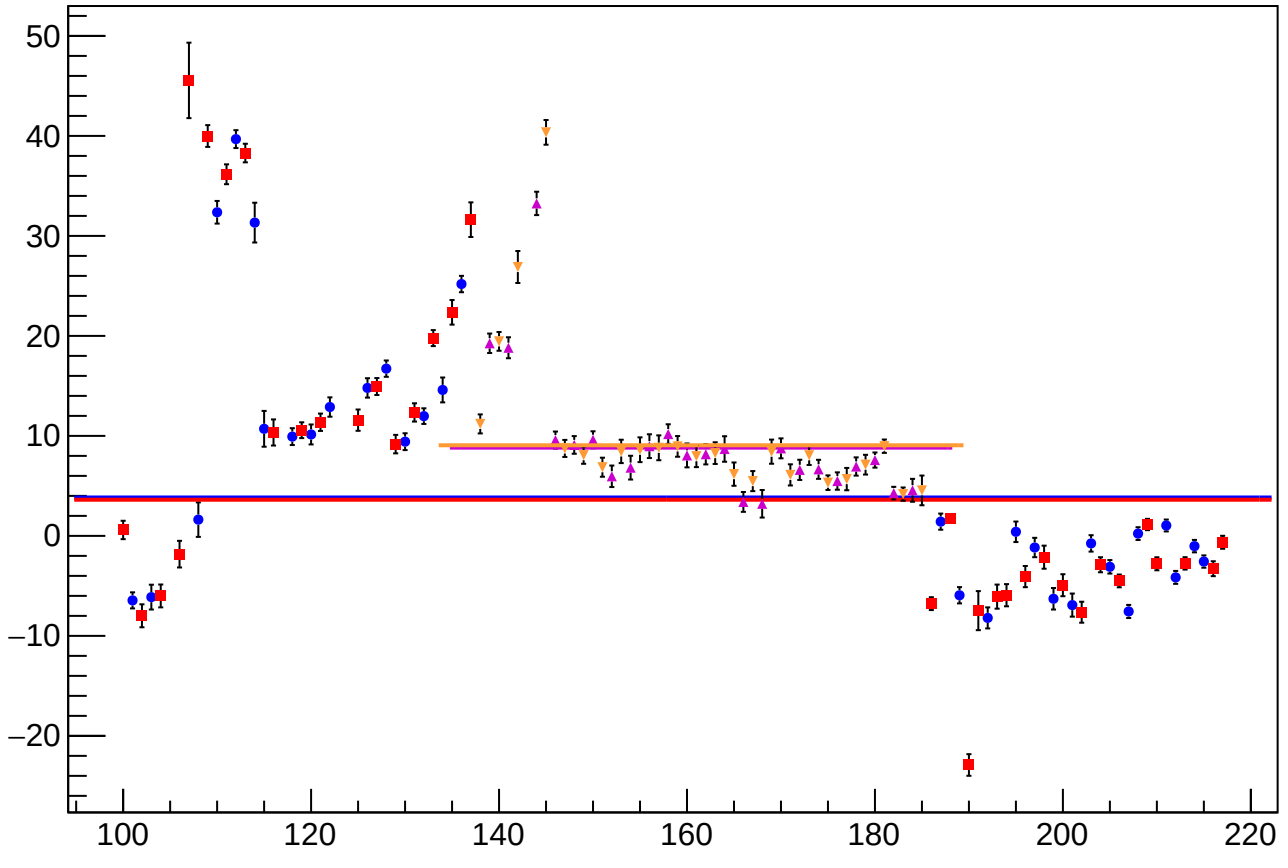
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.573+/-0.124 χ^2/NDF: 686.6/65

In: 2.896+/-0.117 χ^2/NDF:675.5/53

Out: 3.127+/-0.114 χ^2/NDF:832.9/58

All: 3.014+/-0.082 χ^2/NDF: 1510.3/112



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: 3.616+/-0.146 χ^2/NDF: 7245.8/34

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

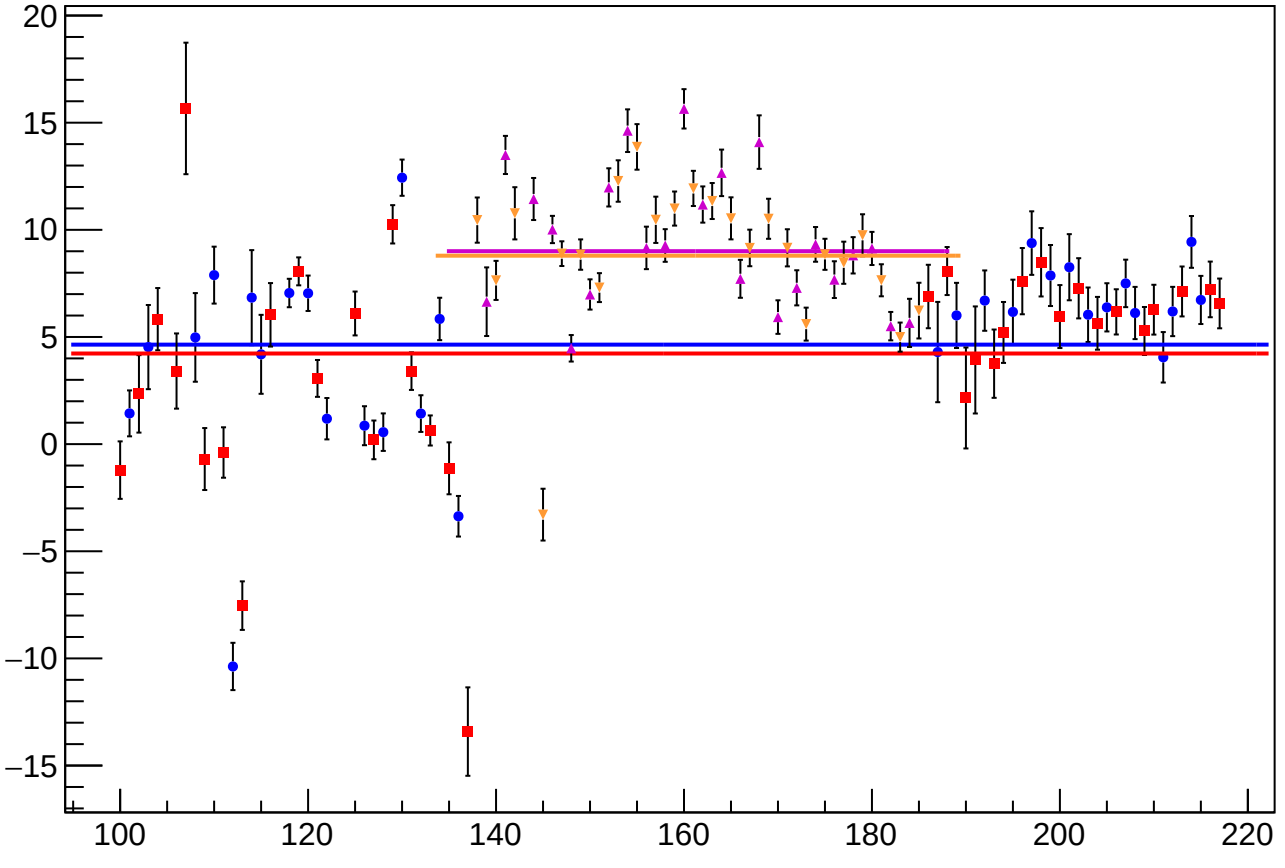
Right: 3.722+/-0.105 χ^2/NDF: 12700.9/65

In: 5.655+/-0.122 χ^2/NDF:6643.6/53

Out: 5.496+/-0.118 χ^2/NDF:8760.5/58

All: 5.573+/-0.085 χ^2/NDF: 15405.0/112

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 4.228+/-0.200 χ^2/NDF: 452.6/34

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

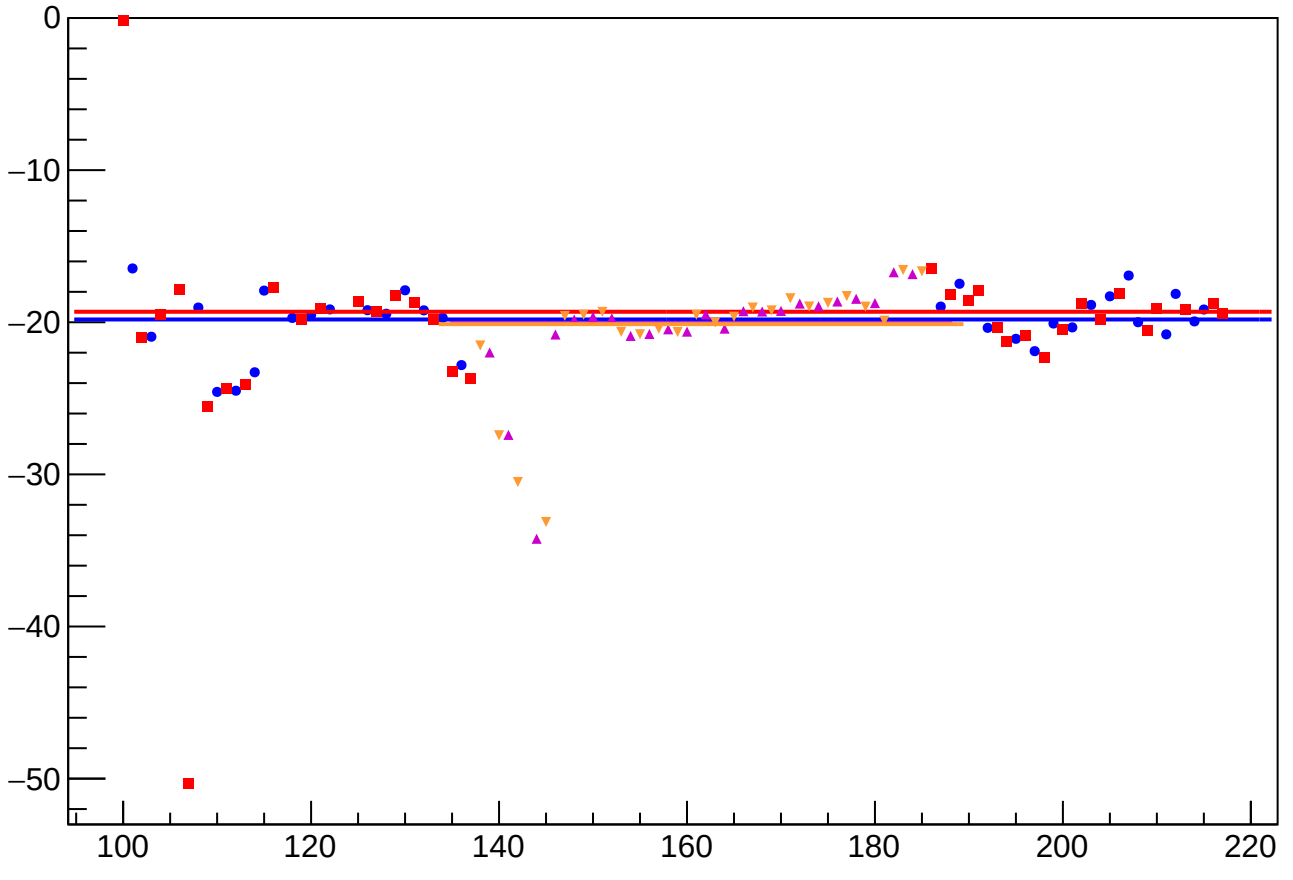
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.432+/-0.142 χ^2/NDF: 959.2/65

In: 7.133+/-0.133 χ^2/NDF:1057.5/53

Out: 6.827+/-0.131 χ^2/NDF:993.4/58

All: 6.978+/-0.093 χ^2/NDF: 2053.6/112



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: -19.310+/-0.010 χ^2/NDF: 248154.0/34

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

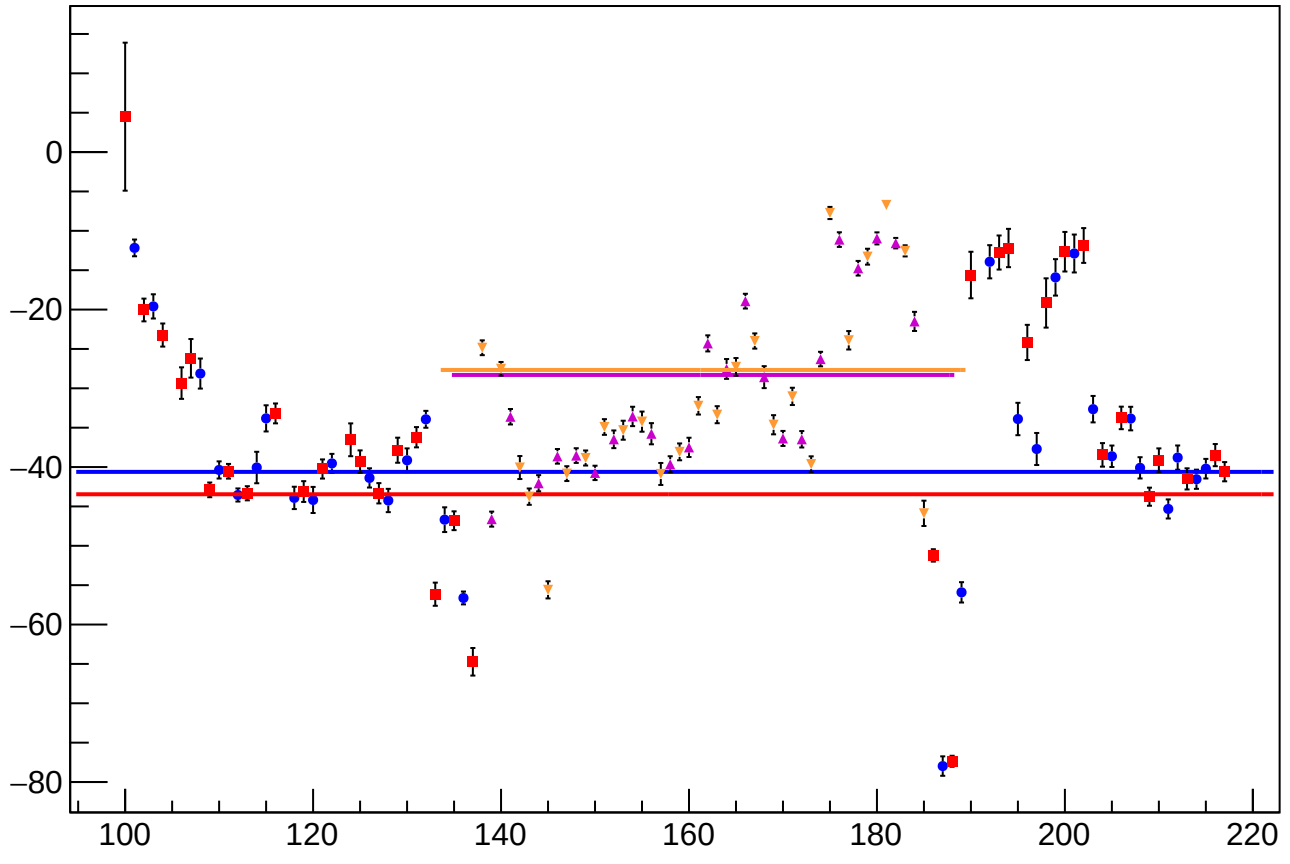
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.555+/-0.007 χ^2/NDF: 281971.0/65

In: -19.970+/-0.006 χ^2/NDF:165582.9/53

Out: -19.801+/-0.006 χ^2/NDF:410890.4/58

All: -19.885+/-0.004 χ^2/NDF: 576841.5/112



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: -43.455+/-0.227 χ^2/NDF: 4457.2/34

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

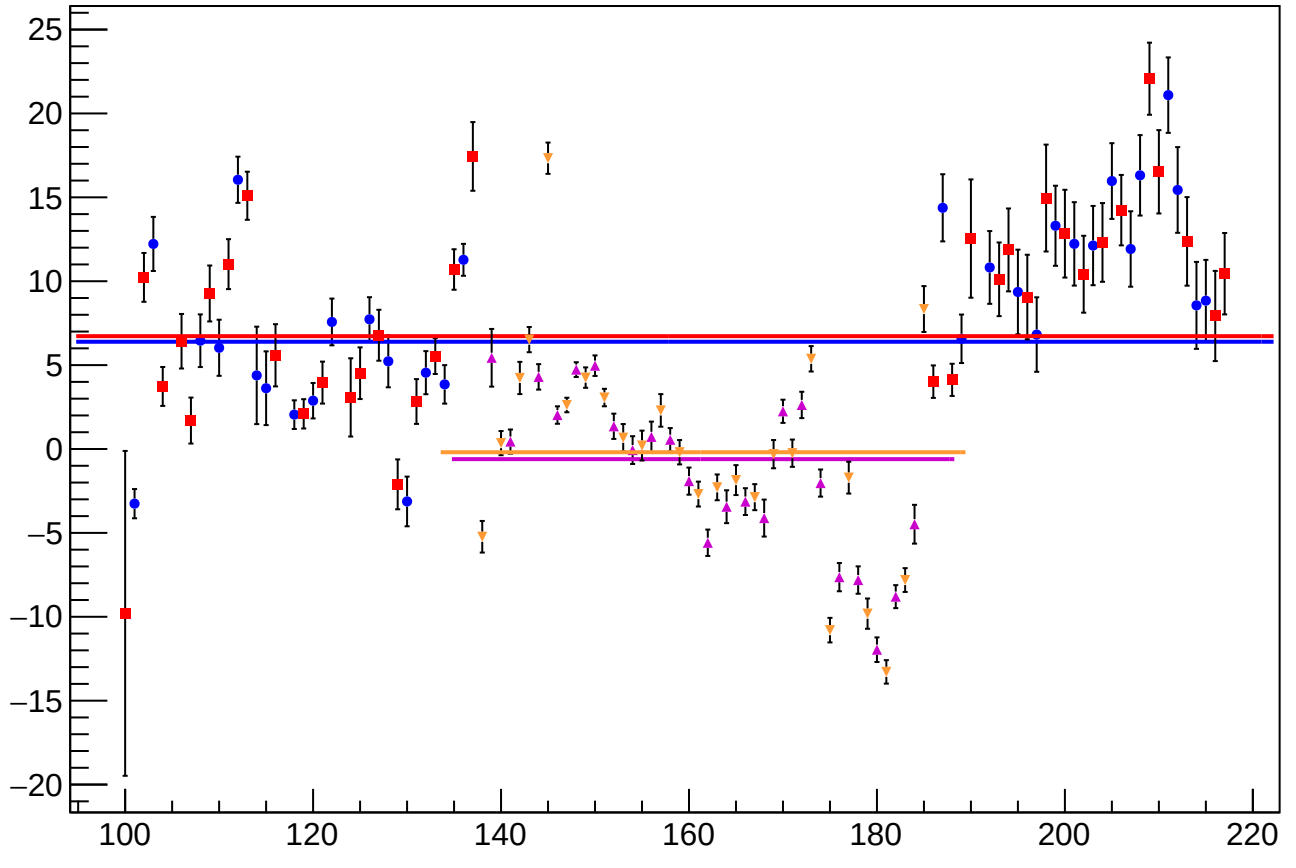
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.125+/-0.166 χ^2/NDF: 7498.0/65

In: -33.453+/-0.157 χ^2/NDF:7738.7/53

Out: -34.569+/-0.150 χ^2/NDF:11565.3/59

All: -34.035+/-0.109 χ^2/NDF: 19330.3/113



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: 6.725+/-0.268 χ^2/NDF: 327.3/34

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

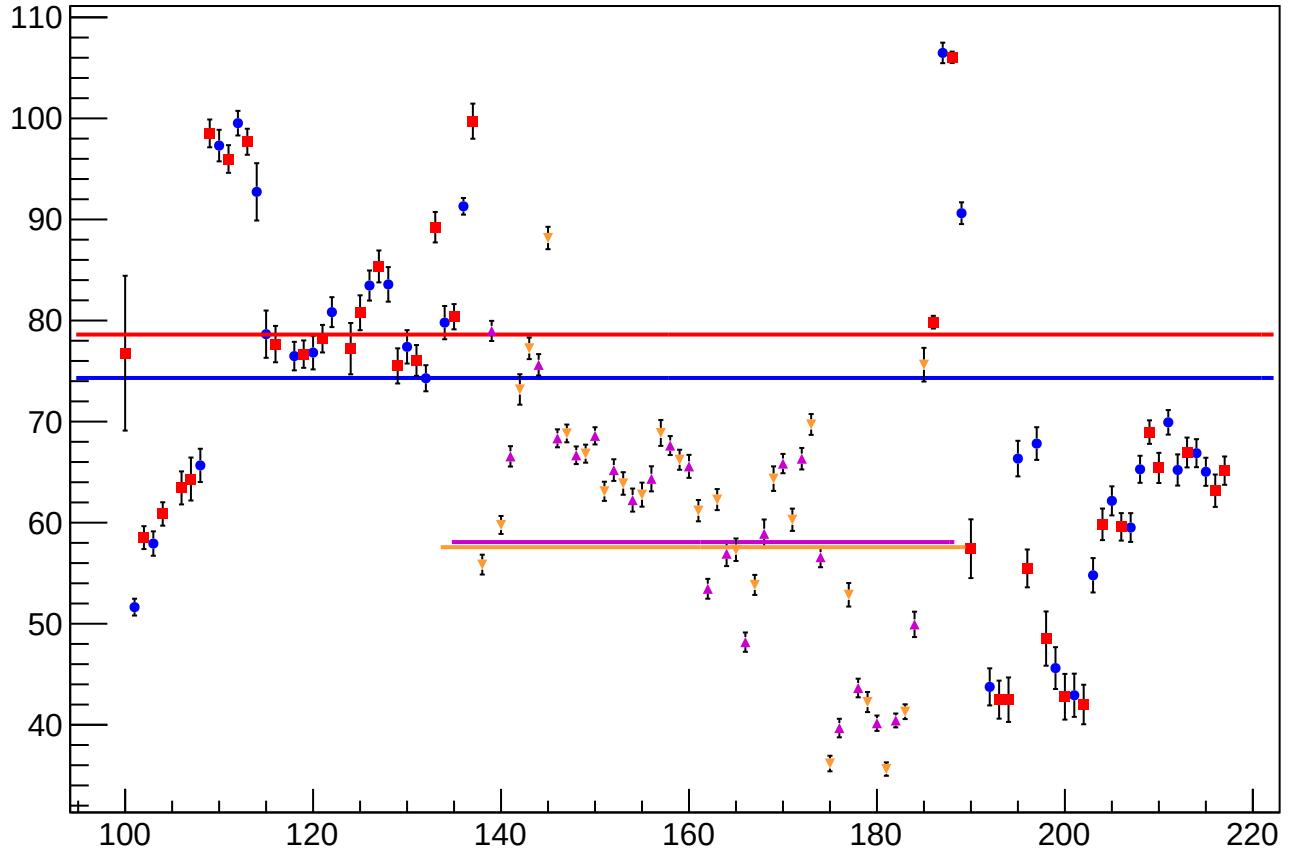
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.565+/-0.192 χ^2/NDF: 768.4/65

In: 1.070+/-0.135 χ^2/NDF:1901.9/53

Out: 1.464+/-0.131 χ^2/NDF:2381.0/59

All: 1.274+/-0.094 χ^2/NDF: 4287.3/113



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: 78.612+/-0.229 χ^2/NDF: 6221.9/34

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

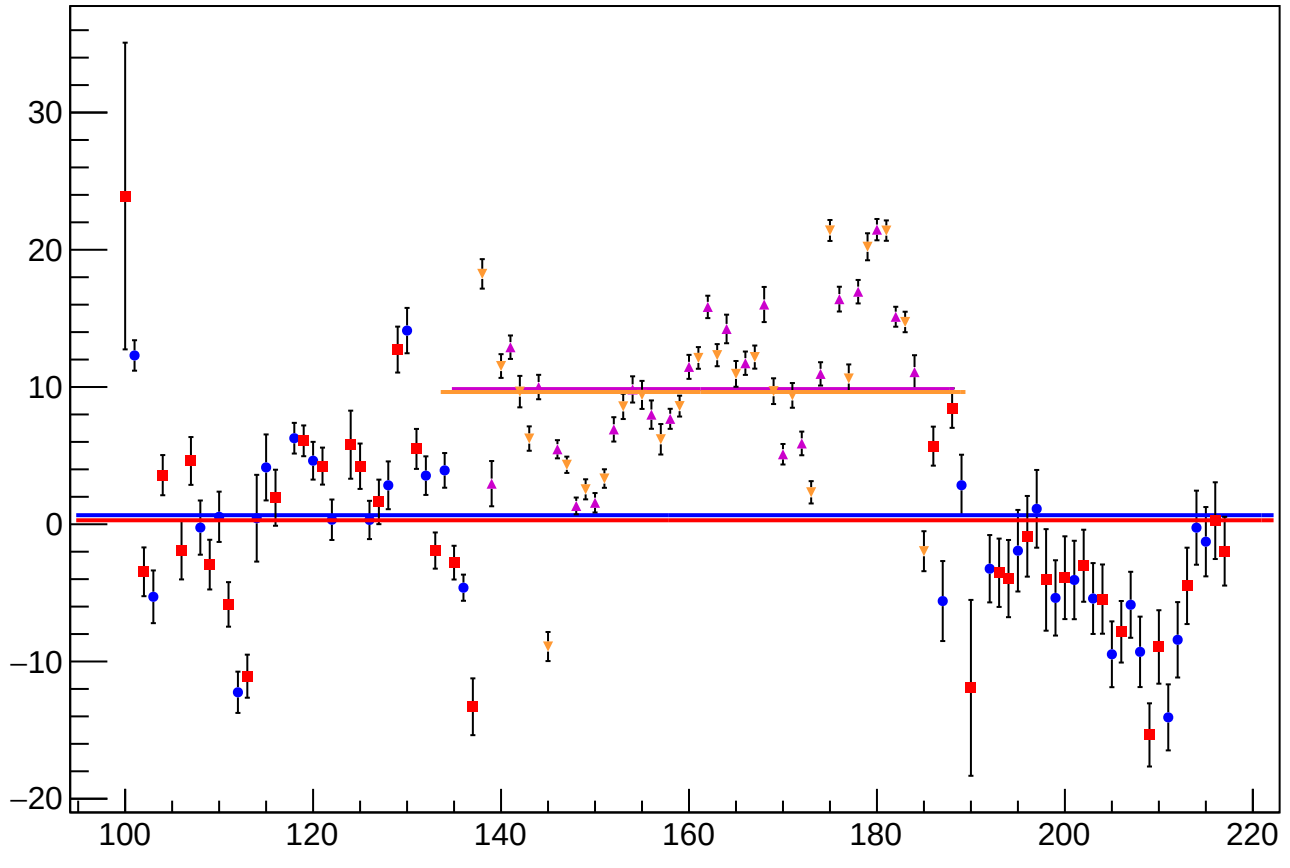
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 76.640+/-0.169 χ^2/NDF: 10993.2/65

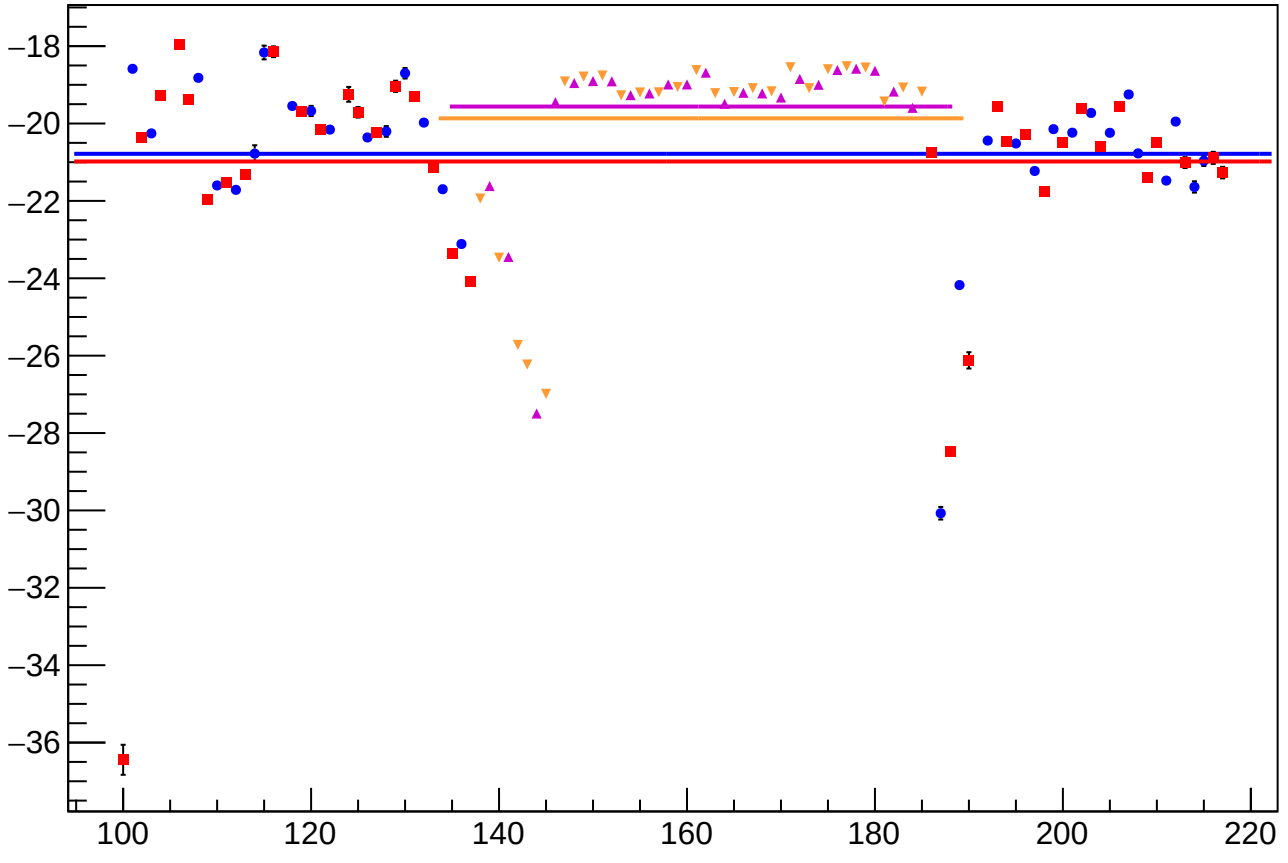
In: 64.577+/-0.158 χ^2/NDF:10717.4/53

Out: 66.602+/-0.150 χ^2/NDF:15705.6/59

All: 65.637+/-0.109 χ^2/NDF: 26509.5/113


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: 0.660+/-0.319 χ²/NDF: 450.1/30
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 0.289+/-0.315 χ²/NDF: 398.4/34
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 0.472+/-0.224 χ²/NDF: 849.2/65
In: 7.701+/-0.154 χ²/NDF:2078.1/53
Out: 7.504+/-0.151 χ²/NDF:2568.1/59
All: 7.600+/-0.108 χ²/NDF: 4647.0/113

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: -20.981+/-0.016 χ^2/NDF: 20705.6/34

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

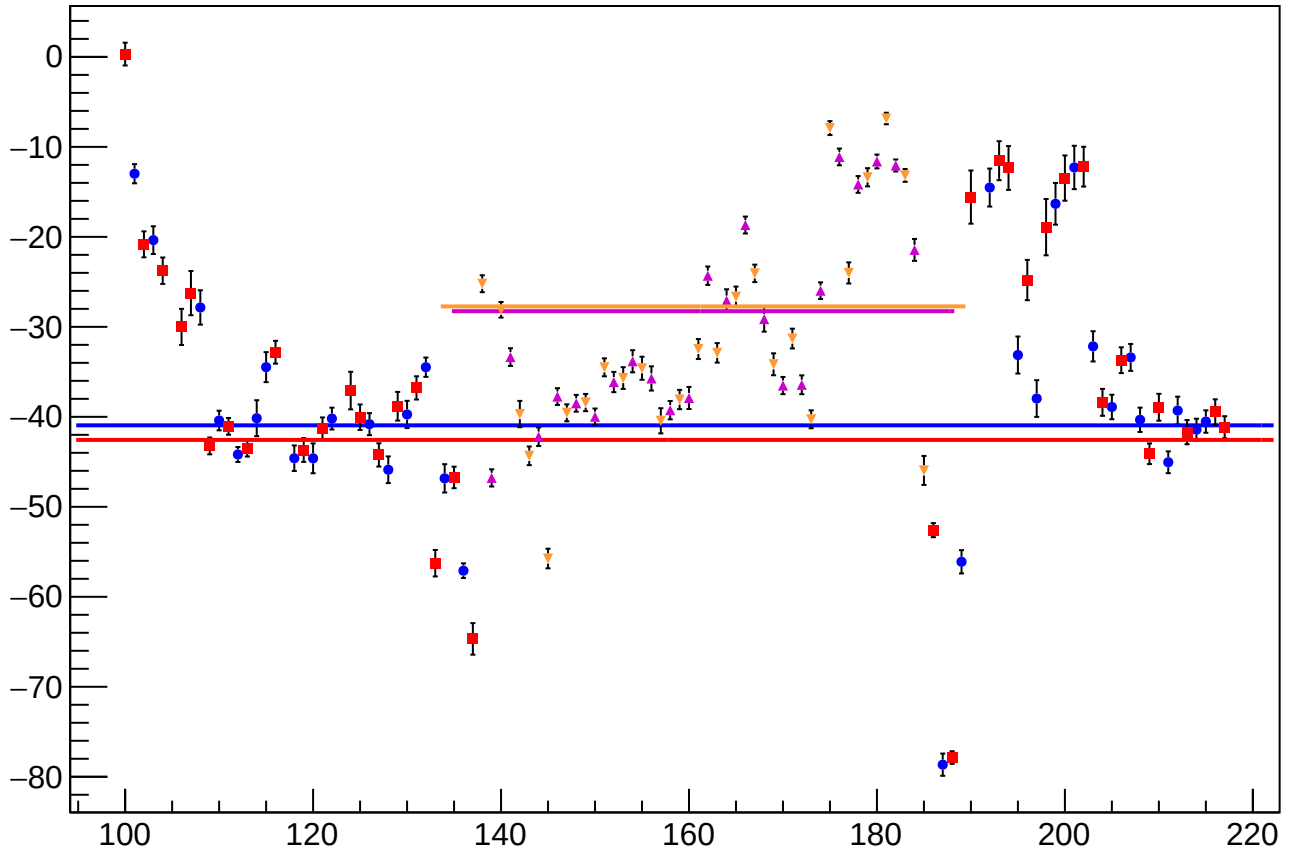
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.882+/-0.011 χ^2/NDF: 33440.4/65

In: -19.815+/-0.007 χ^2/NDF:62711.7/53

Out: -20.090+/-0.007 χ^2/NDF:103649.5/59

All: -19.954+/-0.005 χ^2/NDF: 167125.5/113



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: -42.565+/-0.224 χ^2/NDF: 5652.1/34

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

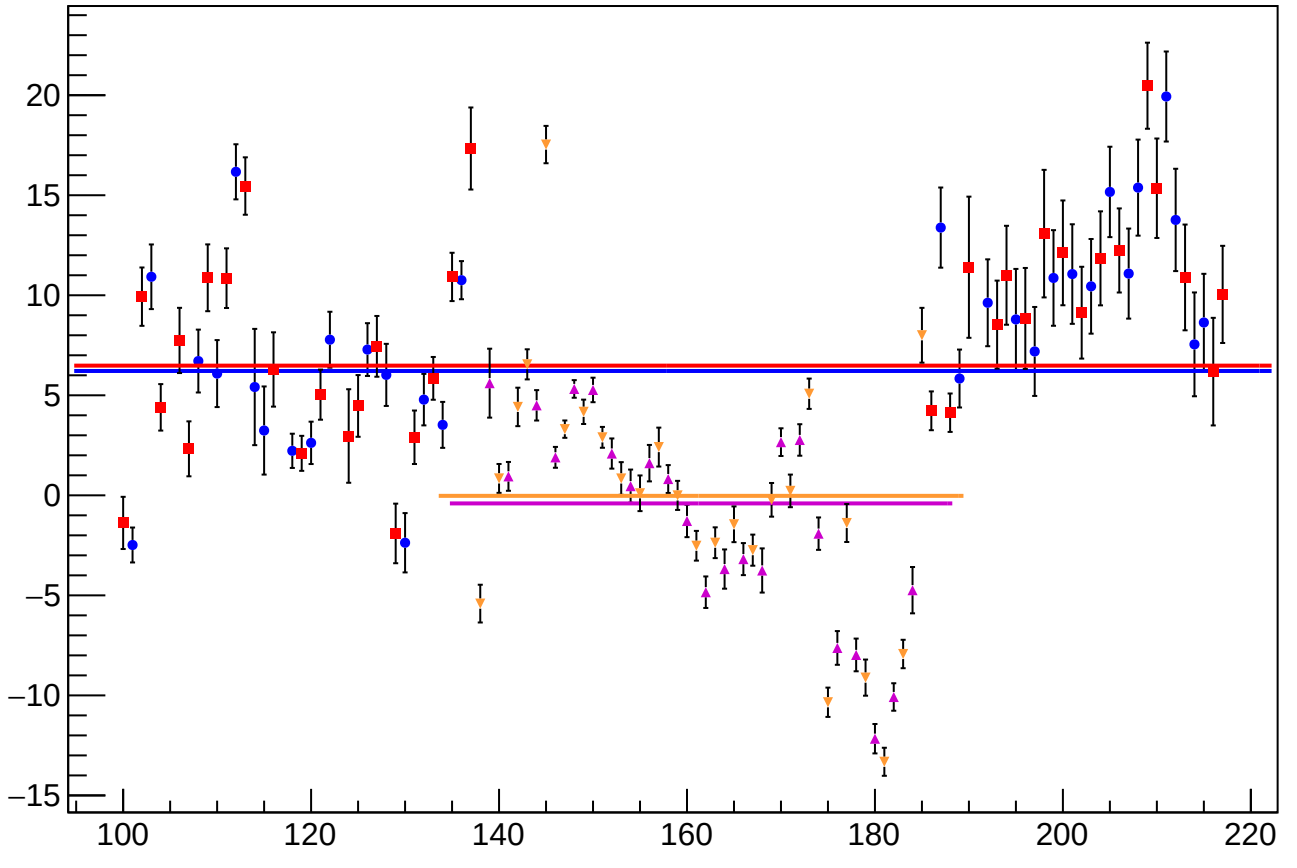
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.820+/-0.165 χ^2/NDF: 8648.0/65

In: -33.572+/-0.157 χ^2/NDF:7729.8/53

Out: -34.329+/-0.150 χ^2/NDF:12381.3/59

All: -33.969+/-0.108 χ^2/NDF: 20123.3/113



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: 6.483+/-0.263 χ^2/NDF: 322.5/34

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

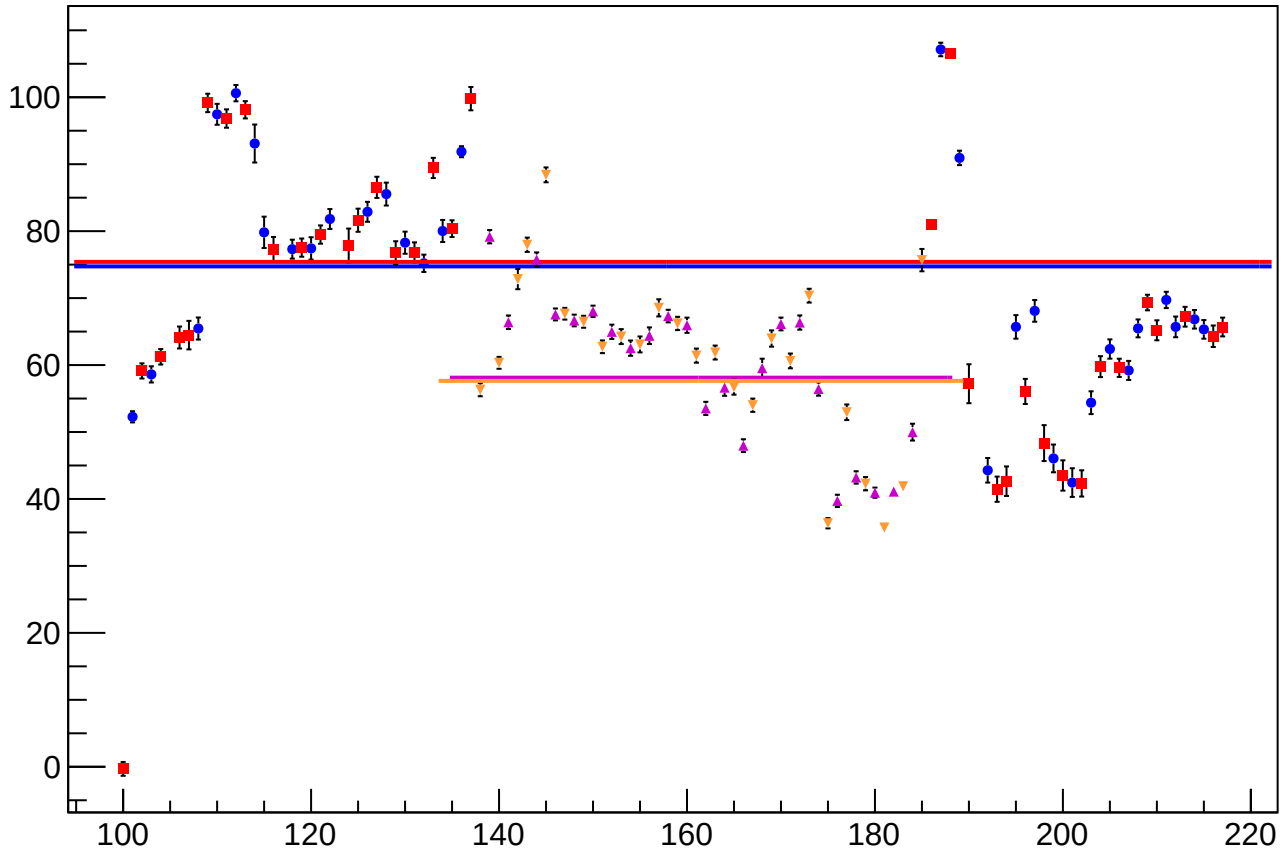
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.357+/-0.191 χ^2/NDF: 692.7/65

In: 1.182+/-0.136 χ^2/NDF:1888.2/53

Out: 1.580+/-0.130 χ^2/NDF:2317.1/59

All: 1.389+/-0.094 χ^2/NDF: 4209.8/113



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: 75.409+/-0.224 χ^2/NDF: 11912.5/34

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

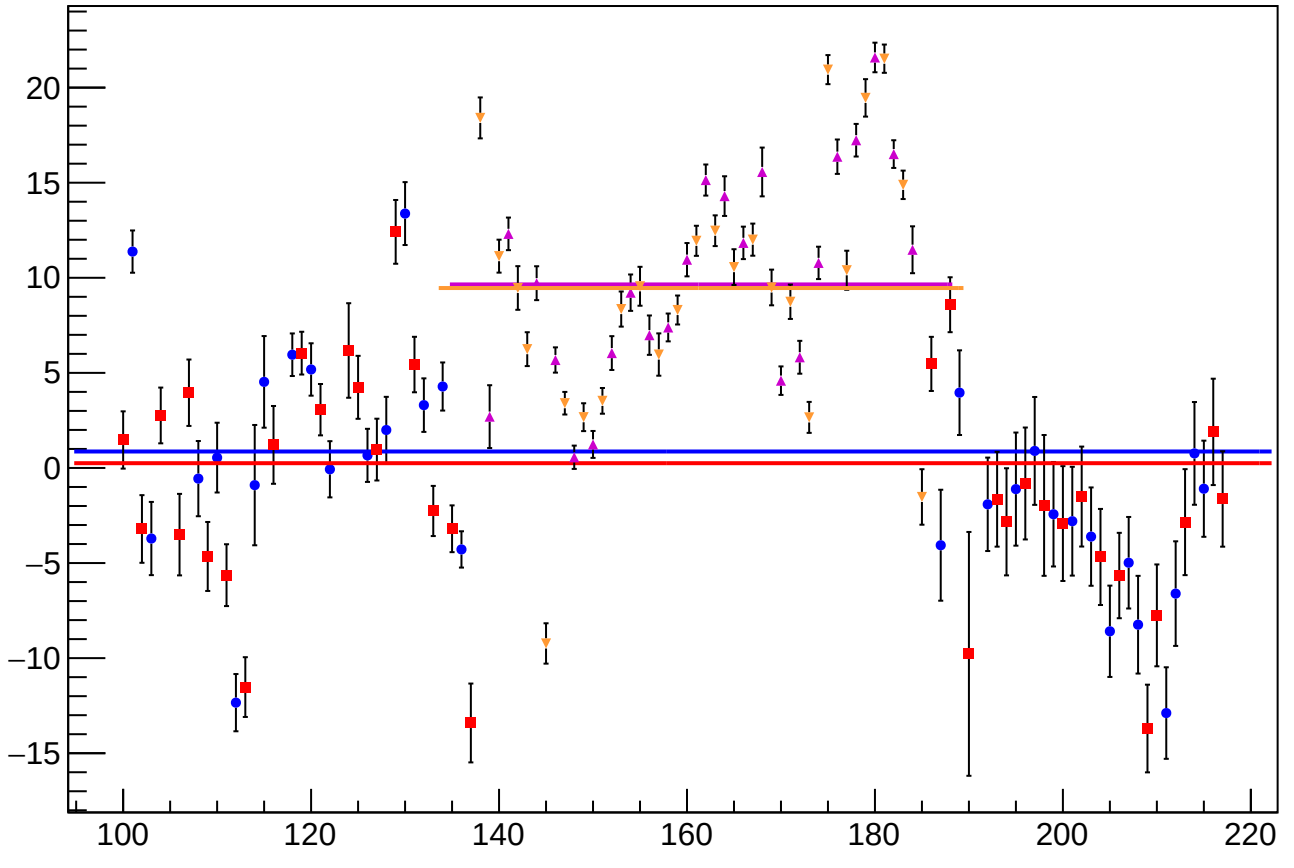
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 75.108+/-0.167 χ^2/NDF: 16598.4/65

In: 64.771+/-0.158 χ^2/NDF:10786.8/53

Out: 65.473+/-0.149 χ^2/NDF:20031.7/59

All: 65.142+/-0.108 χ^2/NDF: 30829.0/113



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: 0.251+/-0.309 χ^2/NDF: 365.9/34

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

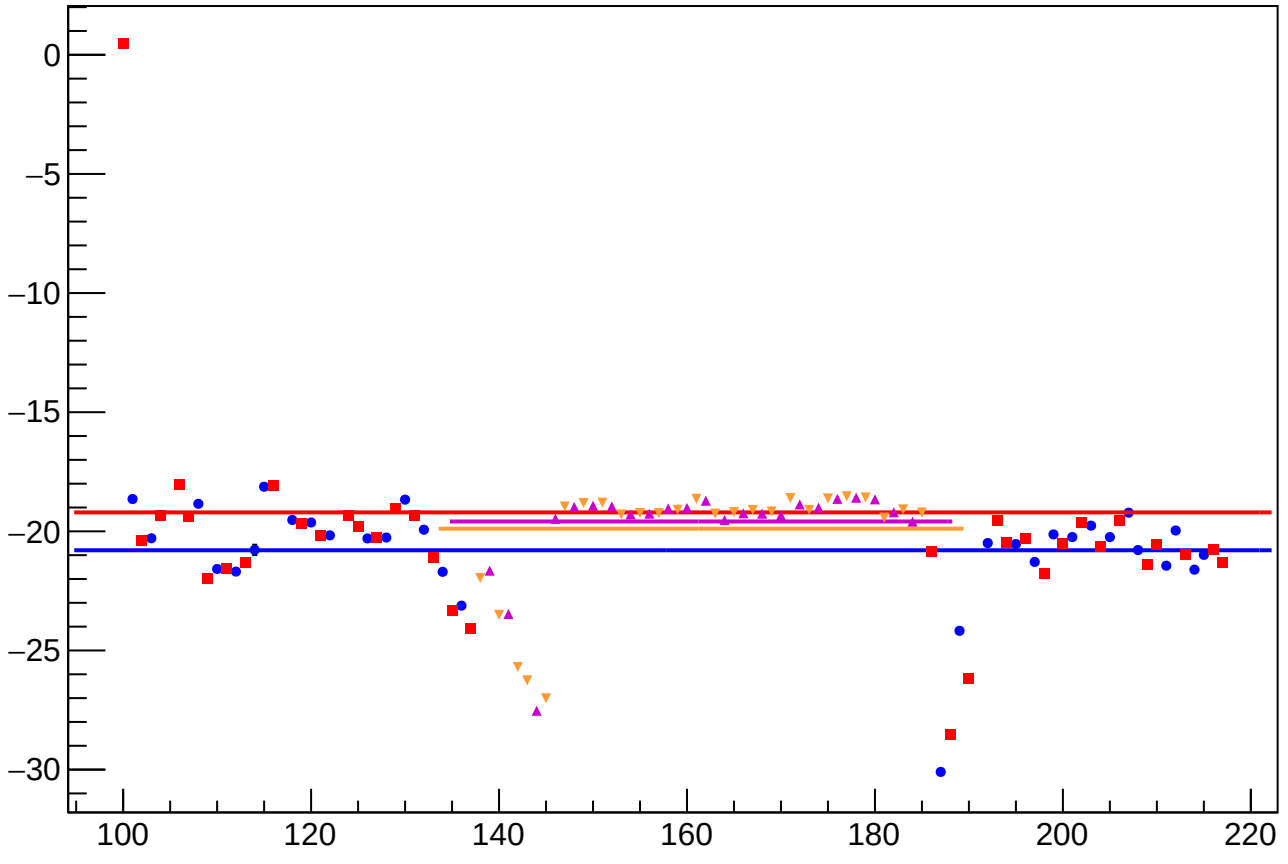
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

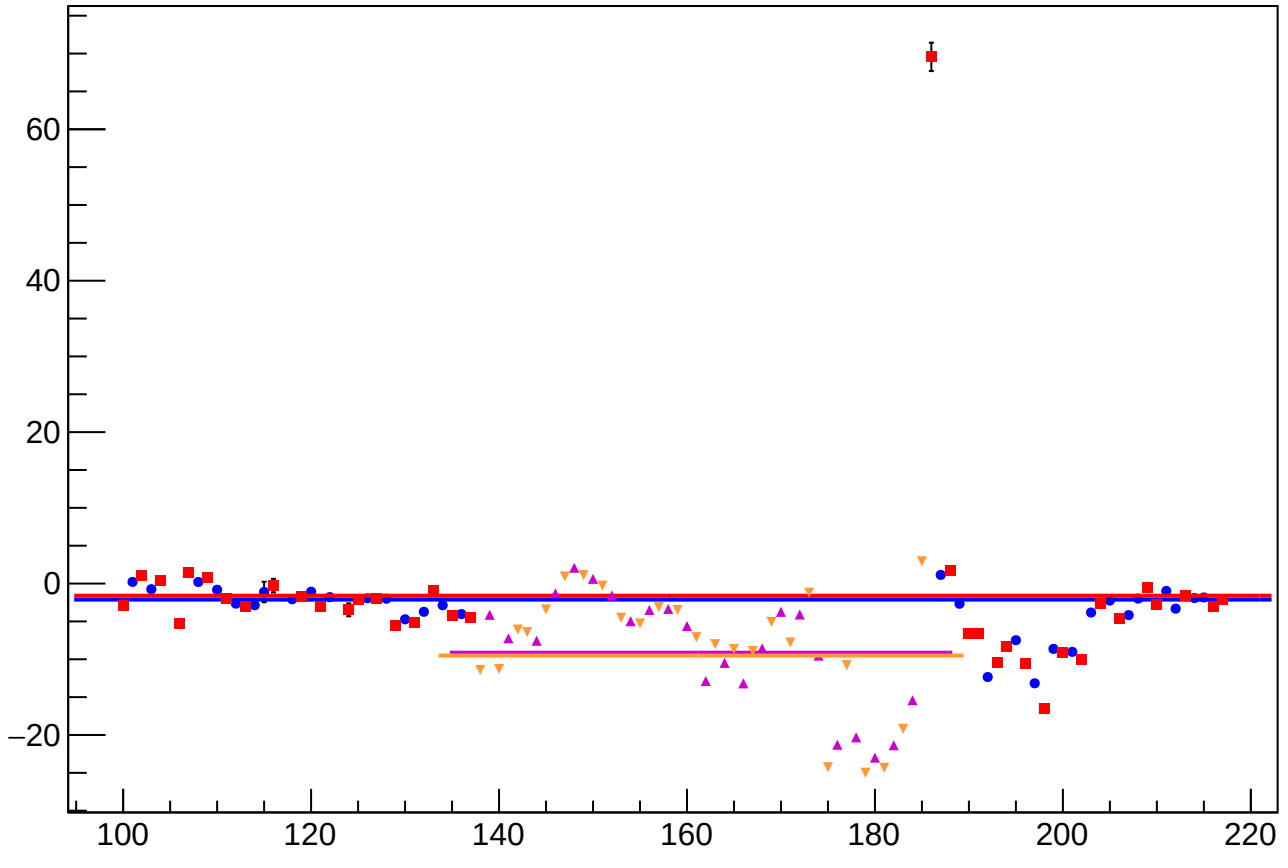
Right: 0.548+/-0.222 χ^2/NDF: 758.2/65

In: 7.596+/-0.155 χ^2/NDF:2047.6/53

Out: 7.291+/-0.150 χ^2/NDF:2527.2/59

All: 7.439+/-0.108 χ^2/NDF: 4576.8/113


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: -19.205+/-0.015 χ²/NDF: 172937.3/34
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.971+/-0.011 χ²/NDF: 190861.3/65
In: -19.837+/-0.007 χ²/NDF:62385.9/53
Out: -19.742+/-0.007 χ²/NDF:253073.2/59
All: -19.788+/-0.005 χ²/NDF: 315550.5/113



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: -1.600+/-0.044 χ^2/NDF: 6989.6/35

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

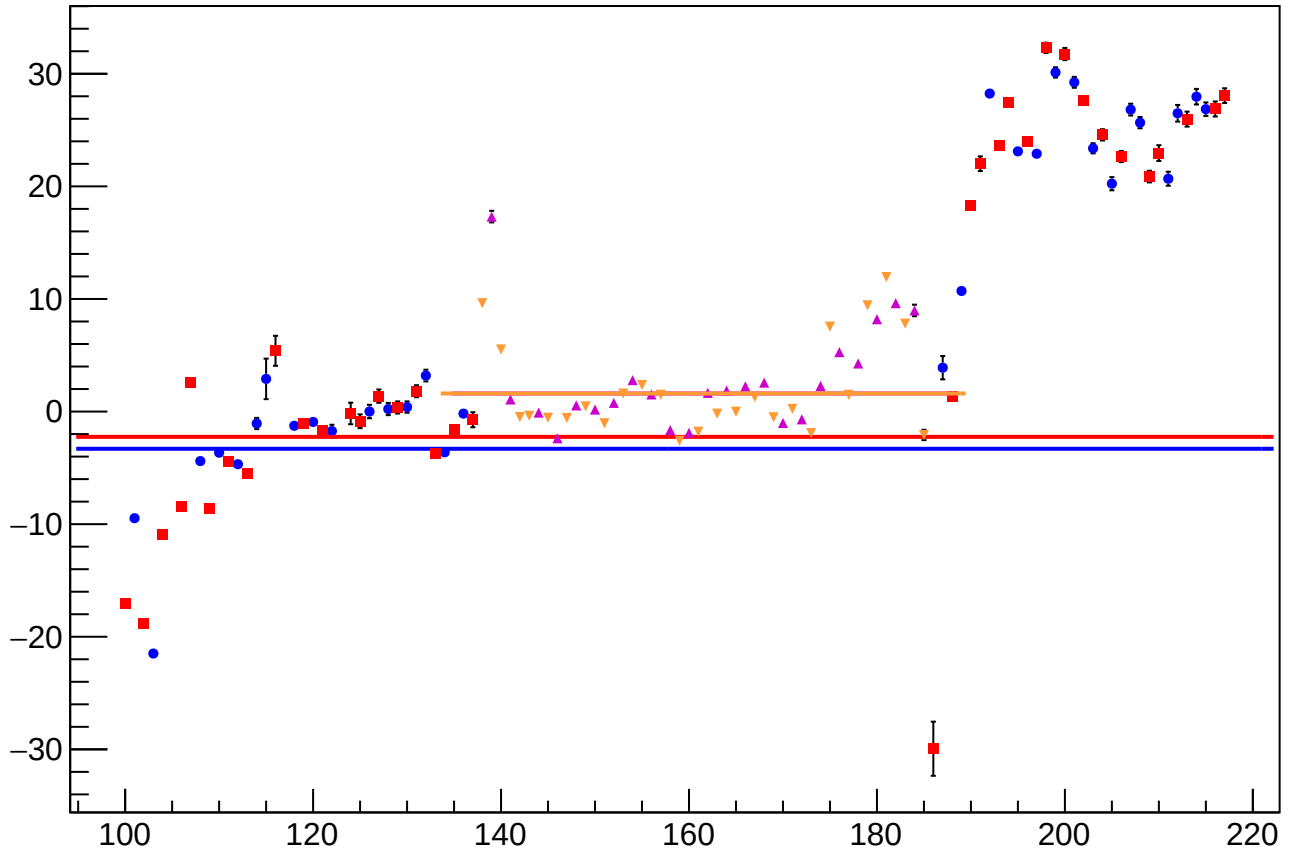
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.840+/-0.032 χ^2/NDF: 10420.1/66

In: -4.115+/-0.040 χ^2/NDF:20044.7/53

Out: -3.700+/-0.037 χ^2/NDF:28621.4/60

All: -3.894+/-0.027 χ^2/NDF: 48723.8/114



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: -2.246+/-0.051 χ^2/NDF: 72700.8/35

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

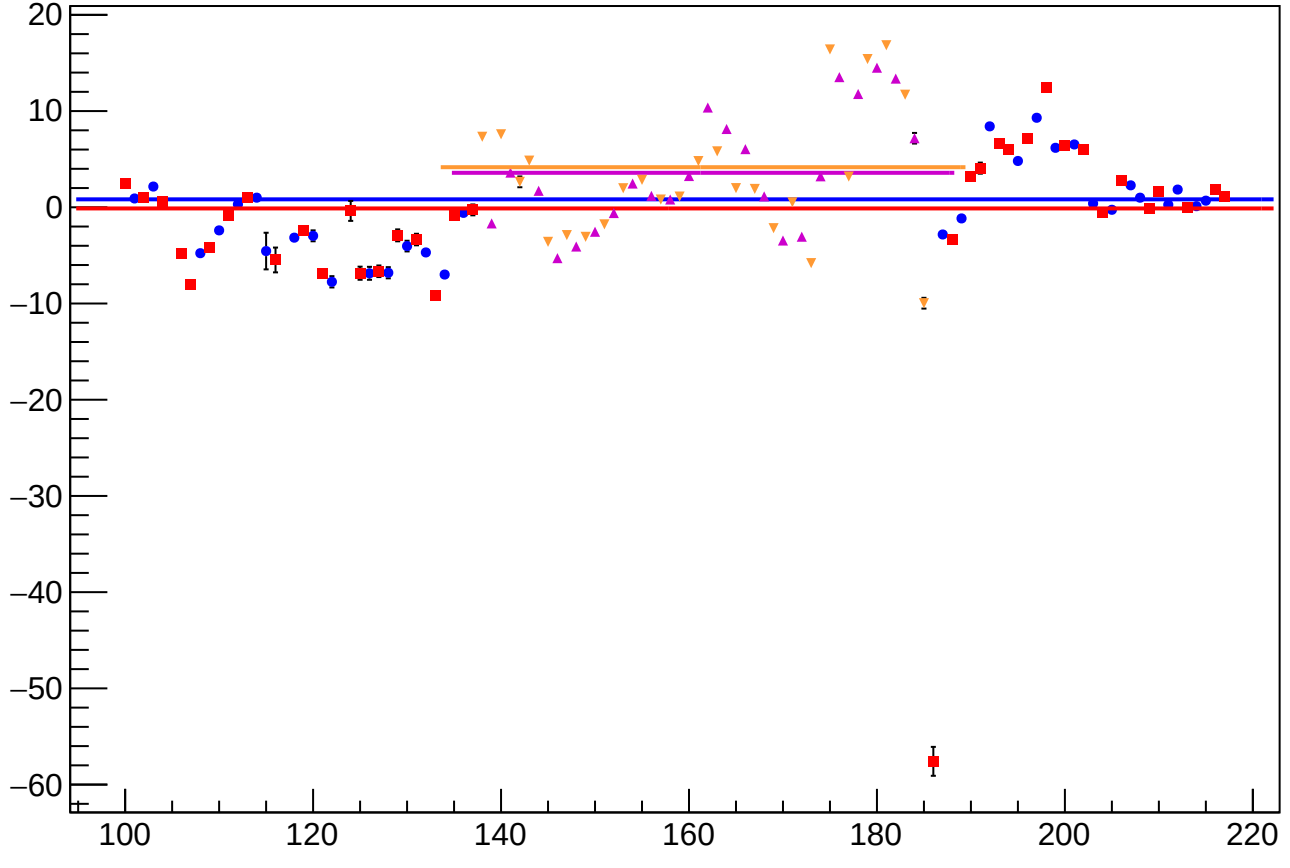
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -2.769+/-0.037 χ^2/NDF: 142046.8/66

In: -1.103+/-0.039 χ^2/NDF:76789.7/53

Out: -0.458+/-0.038 χ^2/NDF:79989.5/60

All: -0.772+/-0.027 χ^2/NDF: 156922.2/114



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: -0.119+/-0.044 χ^2/NDF: 8264.3/35

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

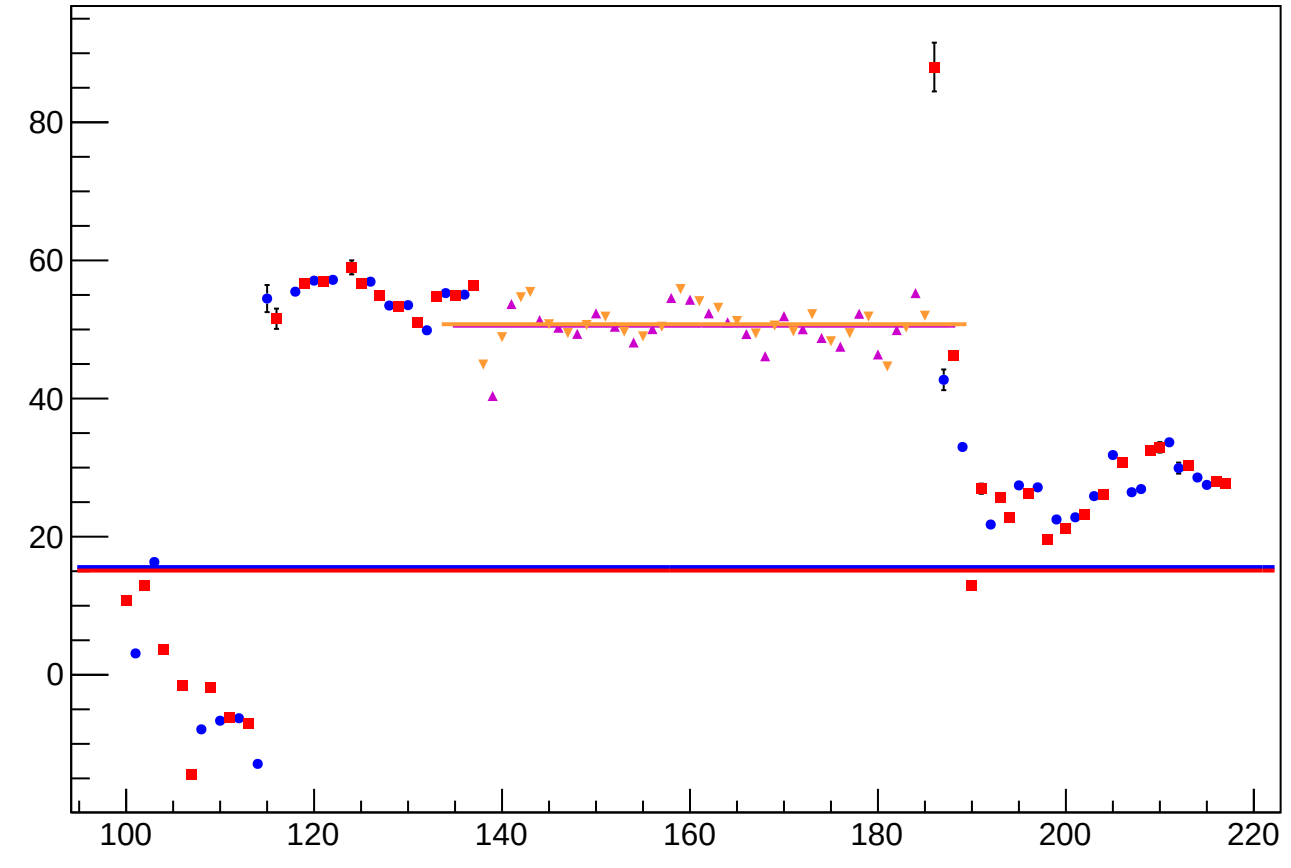
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.339+/-0.032 χ^2/NDF: 12670.6/66

In: 1.588+/-0.039 χ^2/NDF:12419.2/53

Out: 1.054+/-0.038 χ^2/NDF:20077.4/60

All: 1.313+/-0.027 χ^2/NDF: 32594.1/114



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: 15.095+/-0.061 χ^2/NDF: 133568.6/35

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

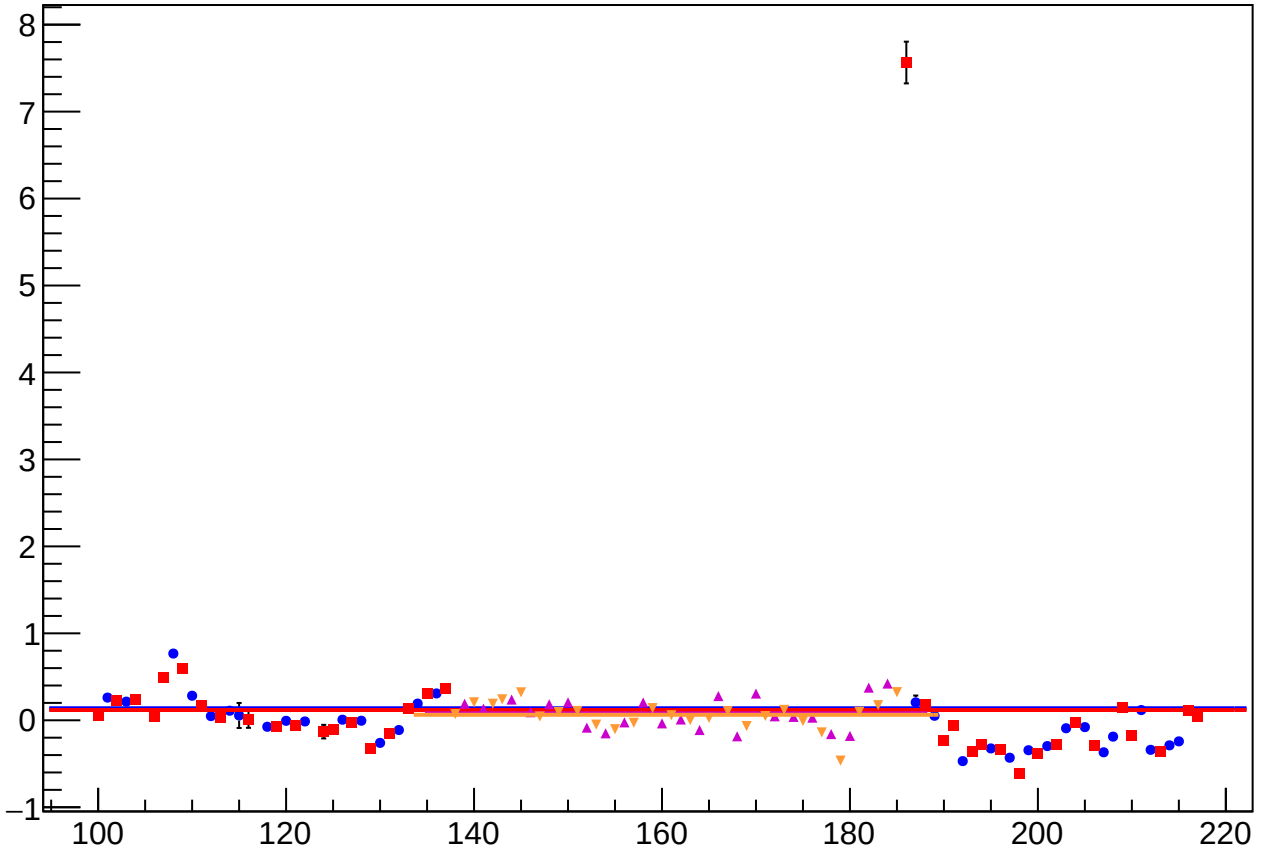
Right: 15.341+/-0.043 χ^2/NDF: 250223.1/66

In: 32.199+/-0.045 χ^2/NDF:271245.2/53

Out: 32.426+/-0.044 χ^2/NDF:303062.4/60

All: 32.315+/-0.031 χ^2/NDF: 574320.8/114

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: 13207.8/35

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

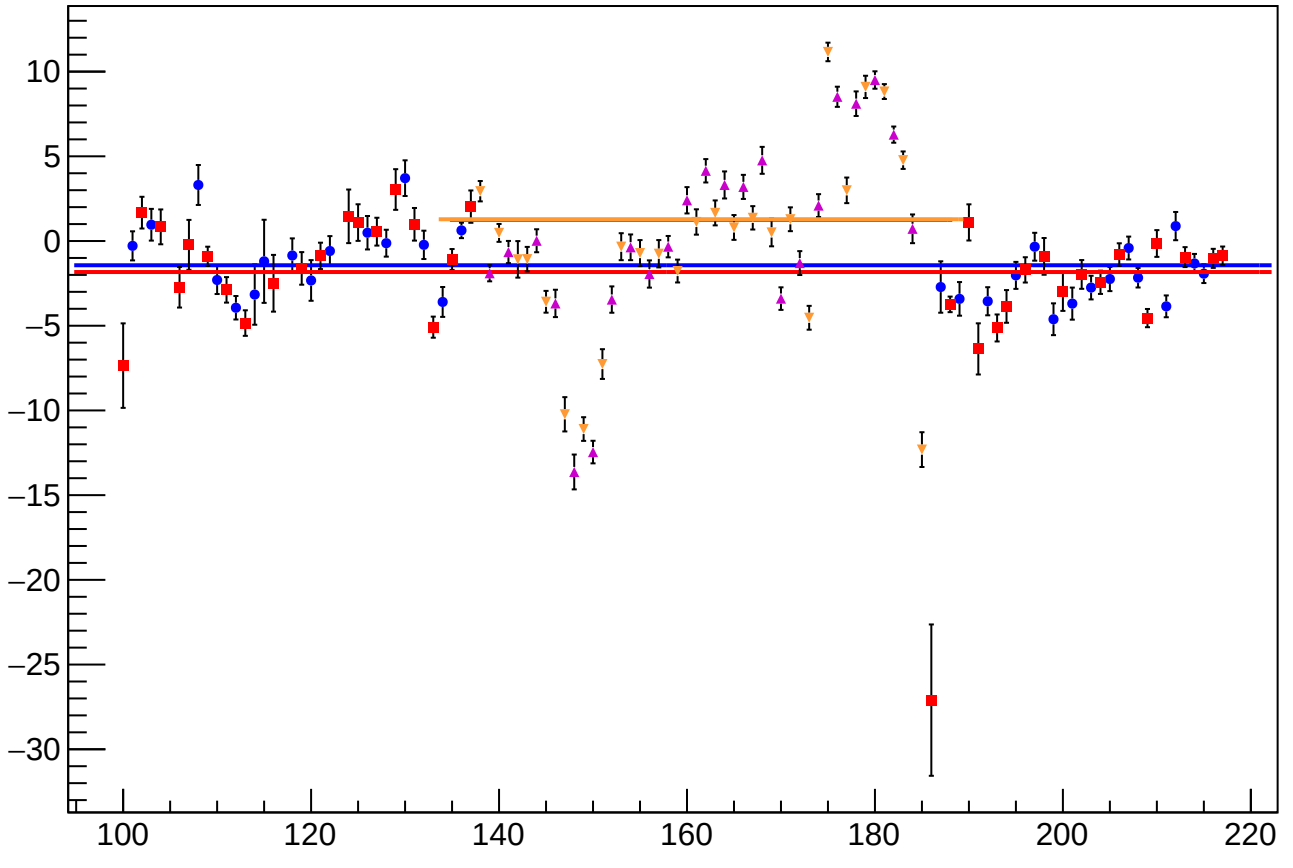
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.128+/-0.002 χ^2/NDF: 27172.3/66

In: 0.113+/-0.002 χ^2/NDF:17622.0/53

Out: 0.095+/-0.002 χ^2/NDF:15998.2/60

All: 0.104+/-0.001 χ^2/NDF: 33668.5/114



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: -1.830+/-0.133 χ^2/NDF: 269.7/35

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

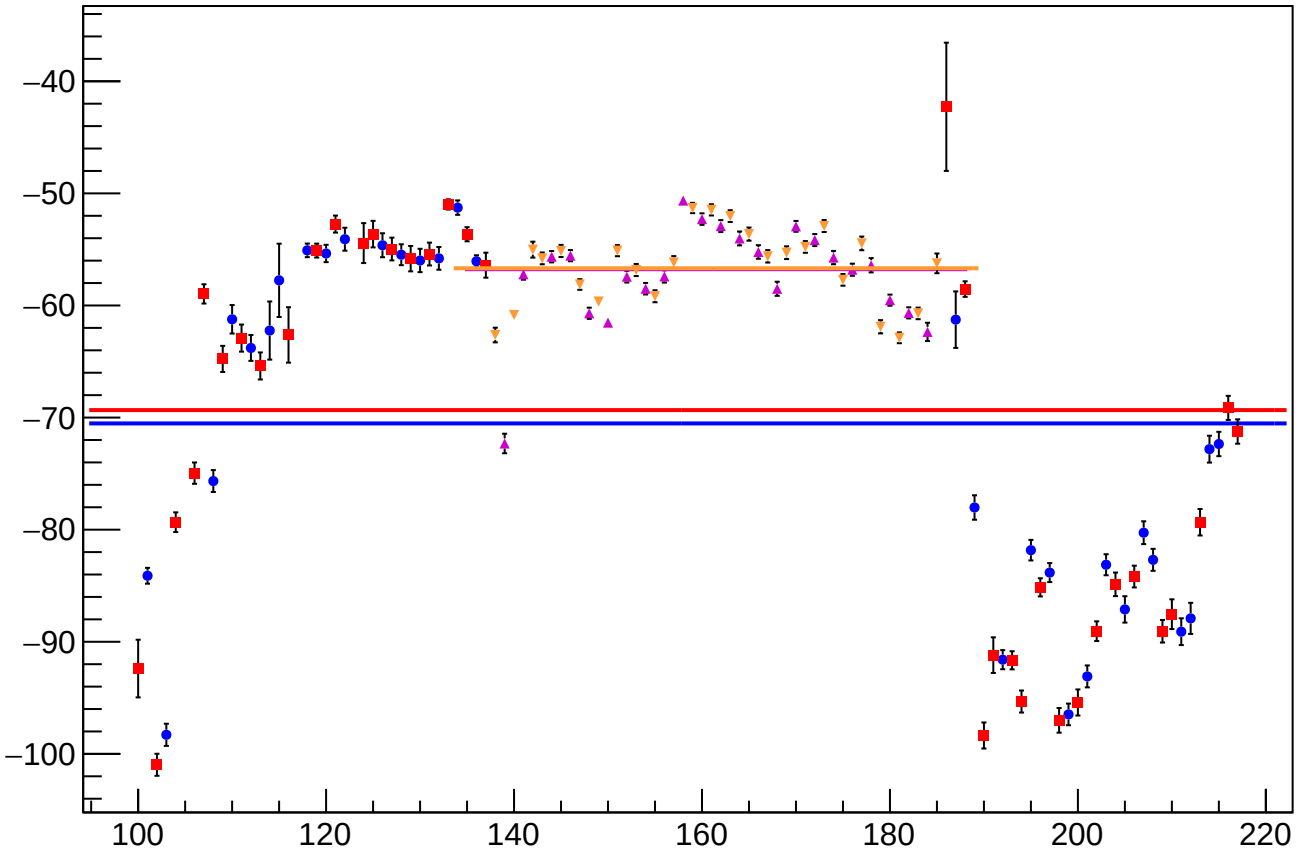
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.645+/-0.097 χ^2/NDF: 436.3/66

In: -0.068+/-0.100 χ^2/NDF:1853.3/53

Out: -0.316+/-0.096 χ^2/NDF:2250.7/60

All: -0.198+/-0.069 χ^2/NDF: 4107.2/114



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: -69.333+/-0.159 χ^2/NDF: 11299.9/35

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

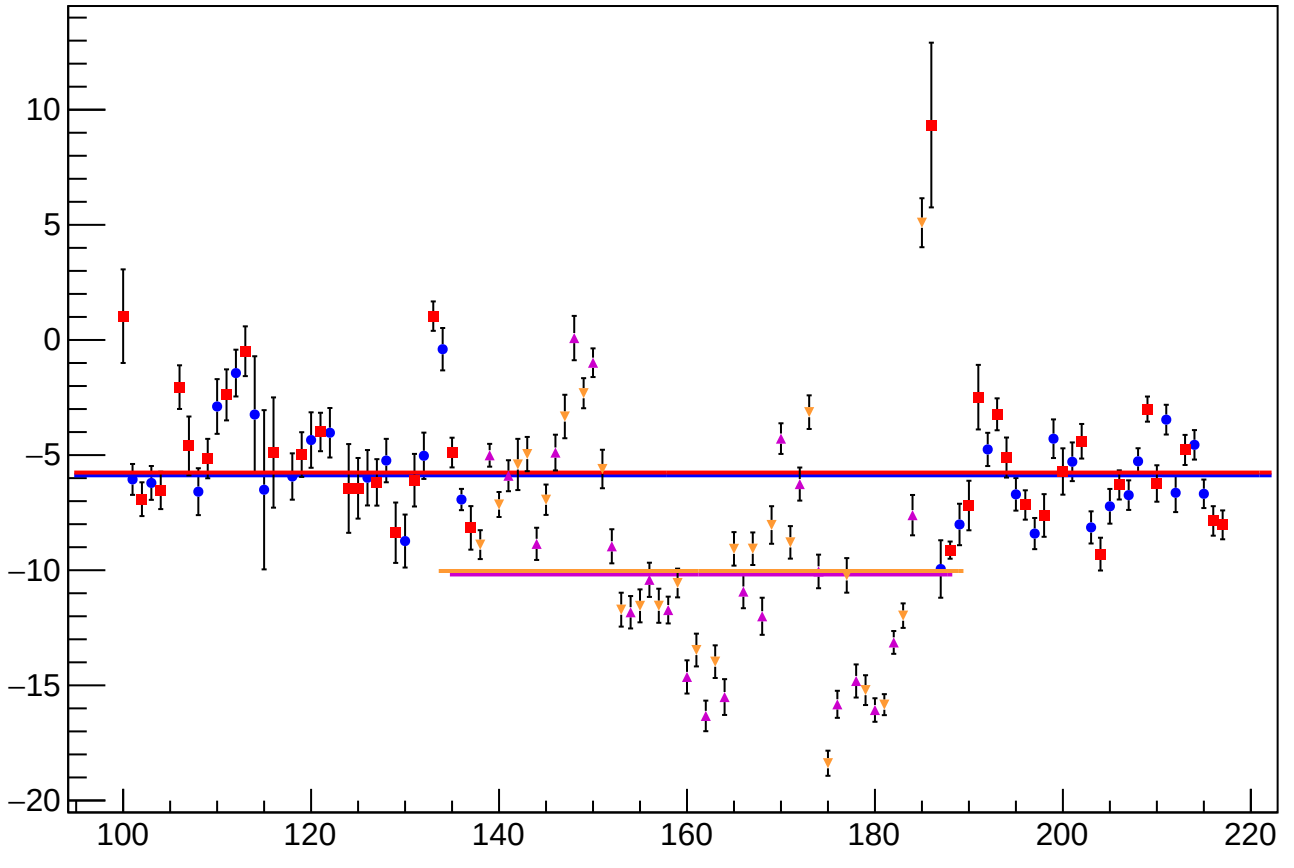
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.888+/-0.116 χ^2/NDF: 19781.7/66

In: -60.923+/-0.094 χ^2/NDF:14127.5/53

Out: -60.636+/-0.089 χ^2/NDF:16668.9/60

All: -60.772+/-0.064 χ^2/NDF: 30801.4/114



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: -5.759+/-0.134 χ^2/NDF: 405.5/35

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

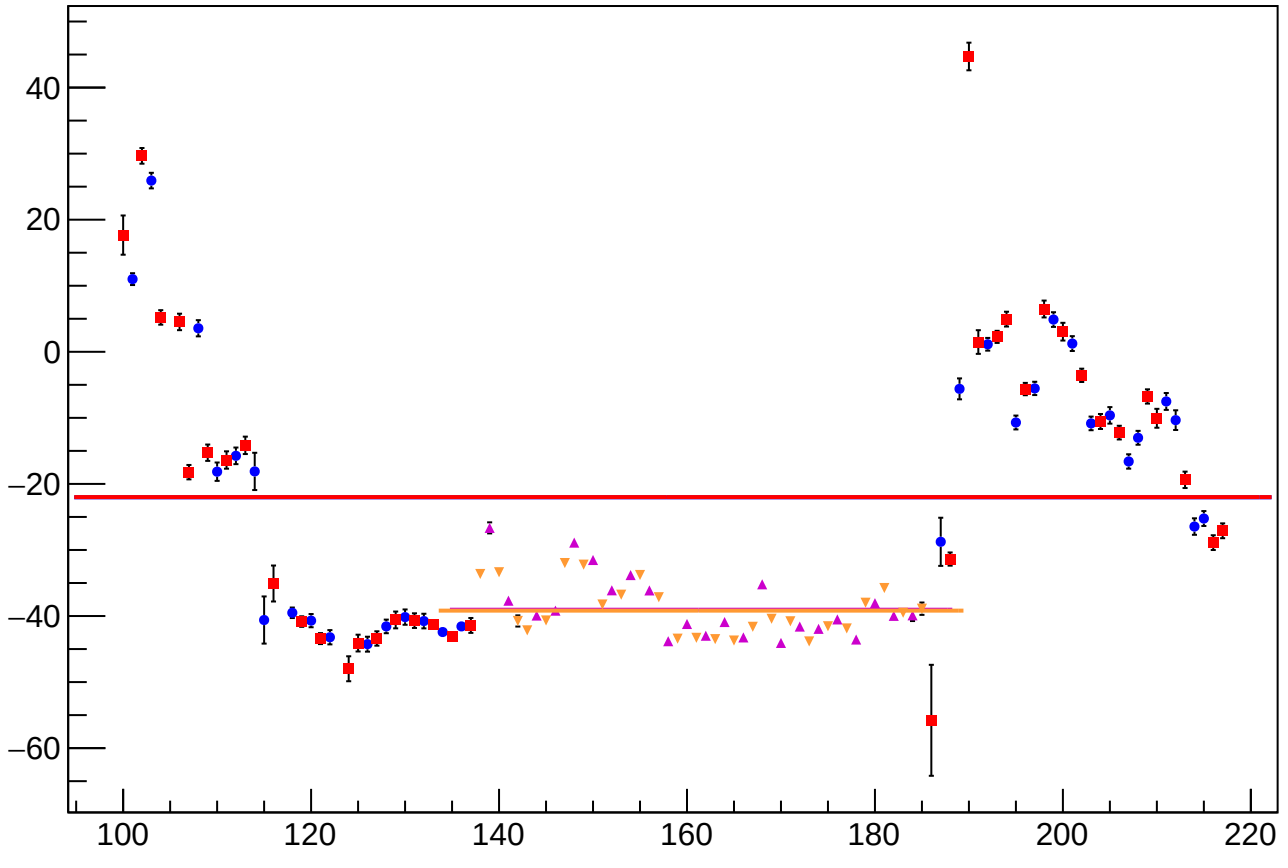
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.814+/-0.098 χ^2/NDF: 561.2/66

In: -8.111+/-0.100 χ^2/NDF:1759.2/53

Out: -7.868+/-0.096 χ^2/NDF:2087.0/60

All: -7.984+/-0.069 χ^2/NDF: 3849.2/114



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: -21.995+/-0.183 χ^2/NDF: 13009.4/35

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

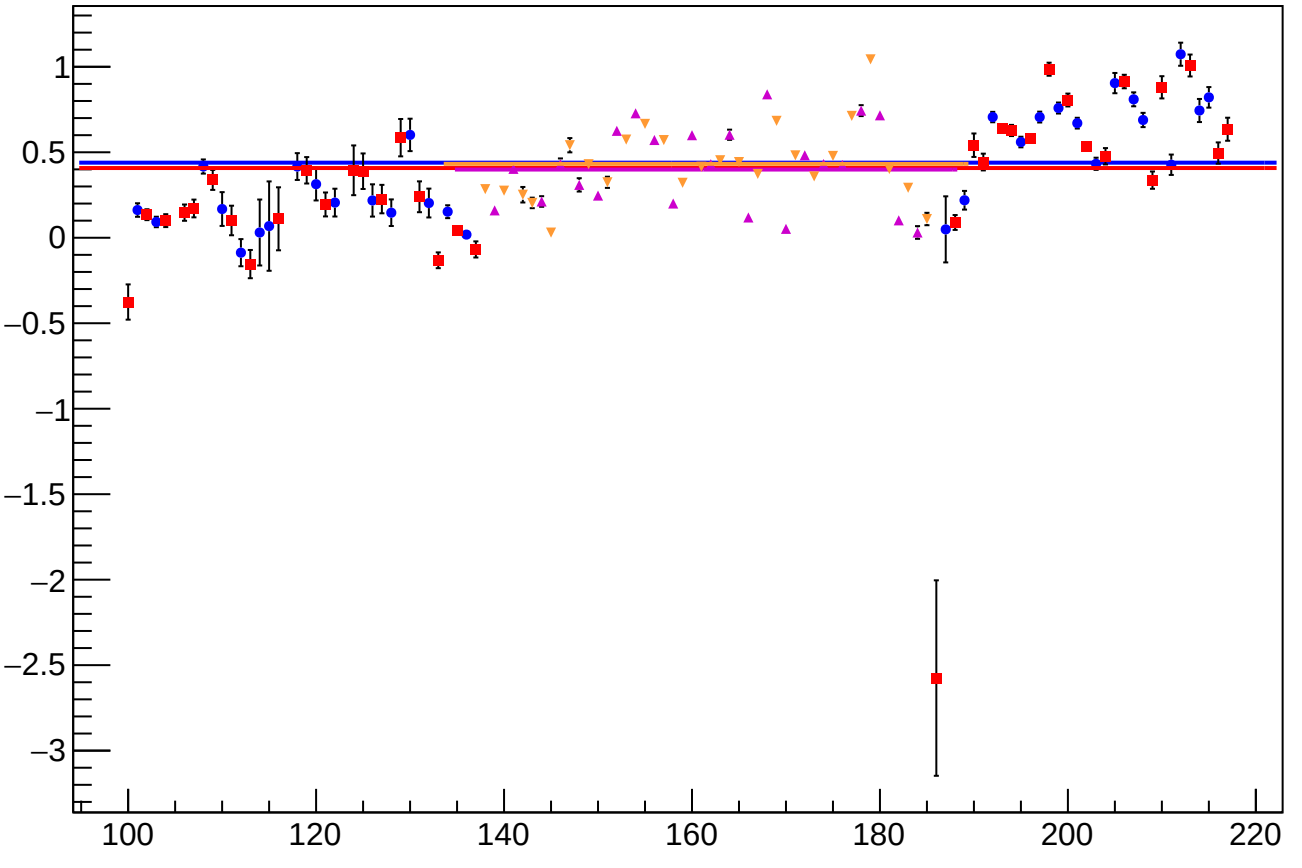
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -22.013+/-0.133 χ^2/NDF: 23744.7/66

In: -34.048+/-0.104 χ^2/NDF:17467.5/53

Out: -34.018+/-0.100 χ^2/NDF:20207.6/60

All: -34.032+/-0.072 χ^2/NDF: 37675.1/114



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: 0.408+/-0.008 χ^2/NDF: 1697.9/35

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

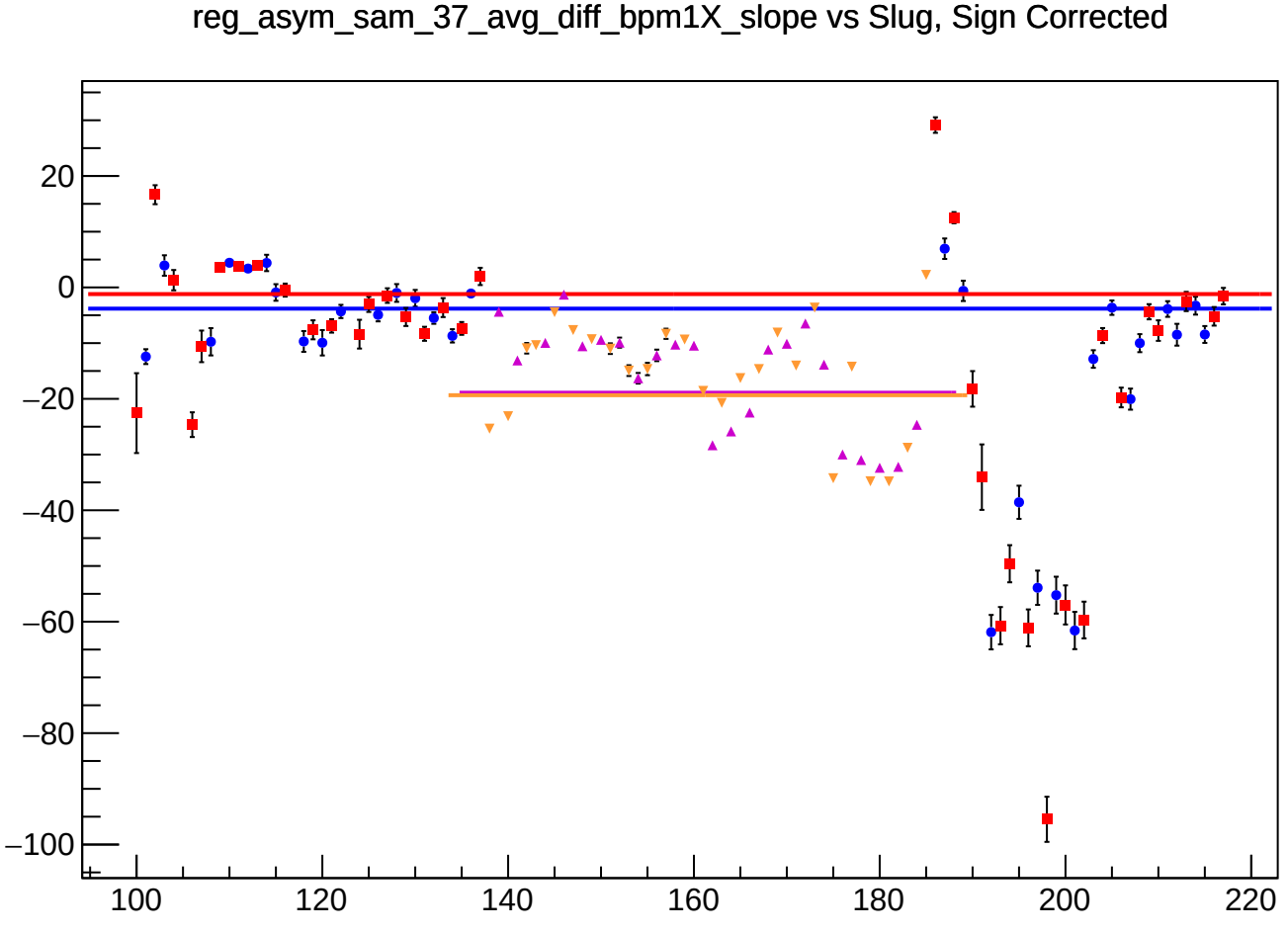
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.423+/-0.006 χ^2/NDF: 3084.5/66

In: 0.411+/-0.004 χ^2/NDF:3319.8/53

Out: 0.425+/-0.004 χ^2/NDF:3073.2/60

All: 0.418+/-0.003 χ^2/NDF: 6397.7/114



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: -1.198+/-0.229 χ^2/NDF: 3400.2/35

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

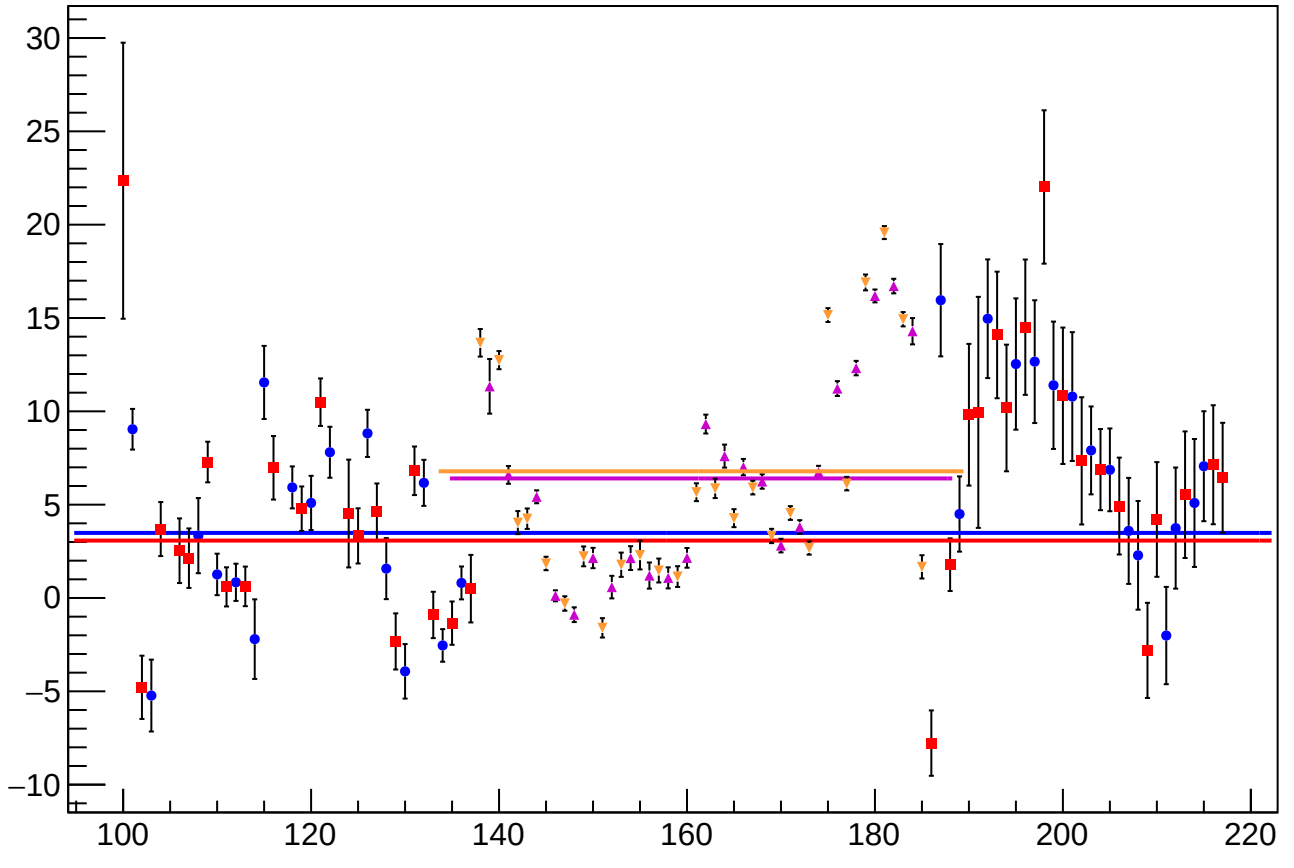
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

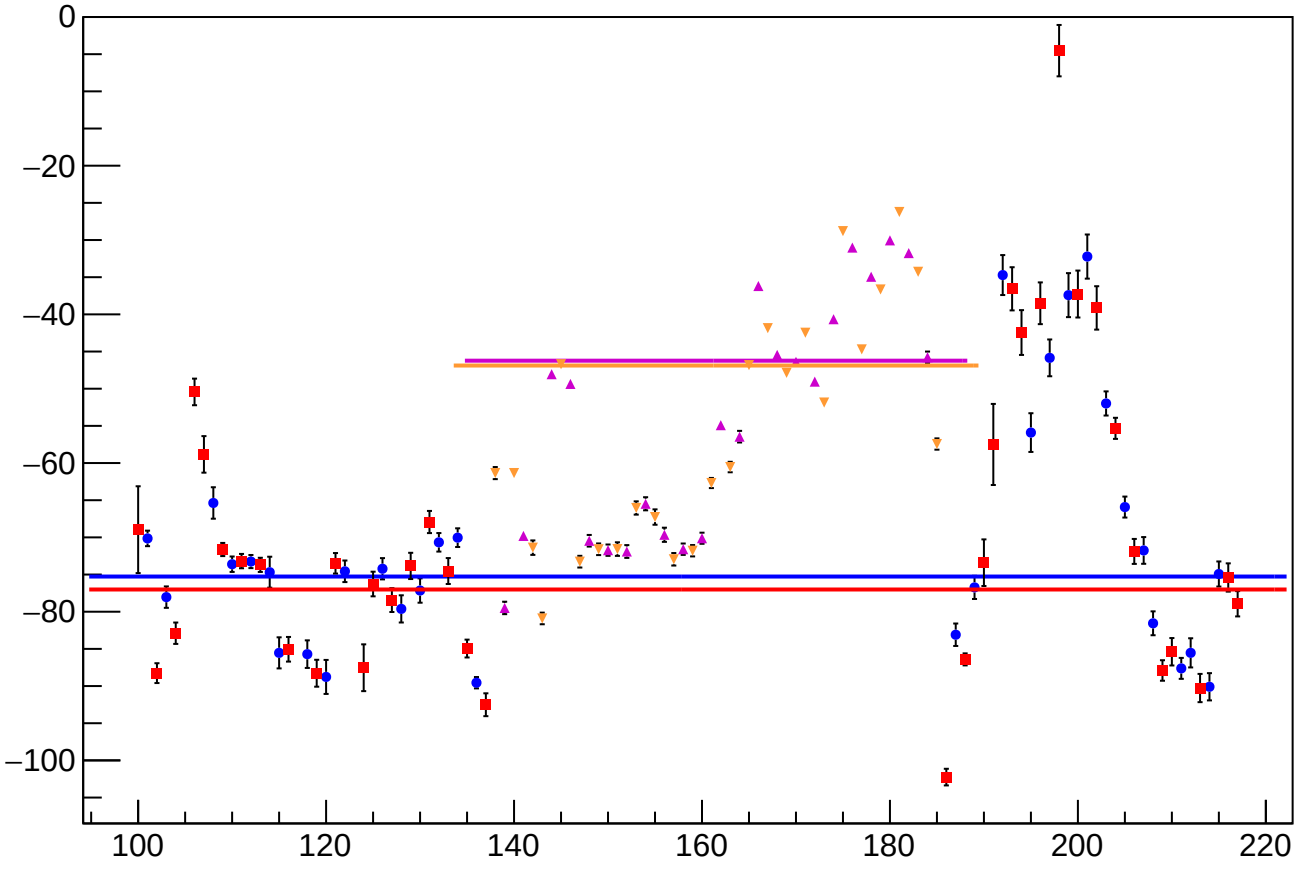
Right: -2.430+/-0.166 χ^2/NDF: 5355.9/66

In: -16.080+/-0.105 χ^2/NDF:13337.8/53

Out: -15.769+/-0.102 χ^2/NDF:18847.7/60

All: -15.920+/-0.073 χ^2/NDF: 32190.1/114


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: 3.076+/-0.289 χ²/NDF: 253.8/35
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.282+/-0.204 χ²/NDF: 525.8/66
In: 6.138+/-0.087 χ²/NDF:3774.6/53
Out: 6.460+/-0.086 χ²/NDF:5036.4/60
All: 6.301+/-0.061 χ²/NDF: 8817.8/114



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: -77.011+/-0.259 χ^2/NDF: 3012.7/35

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

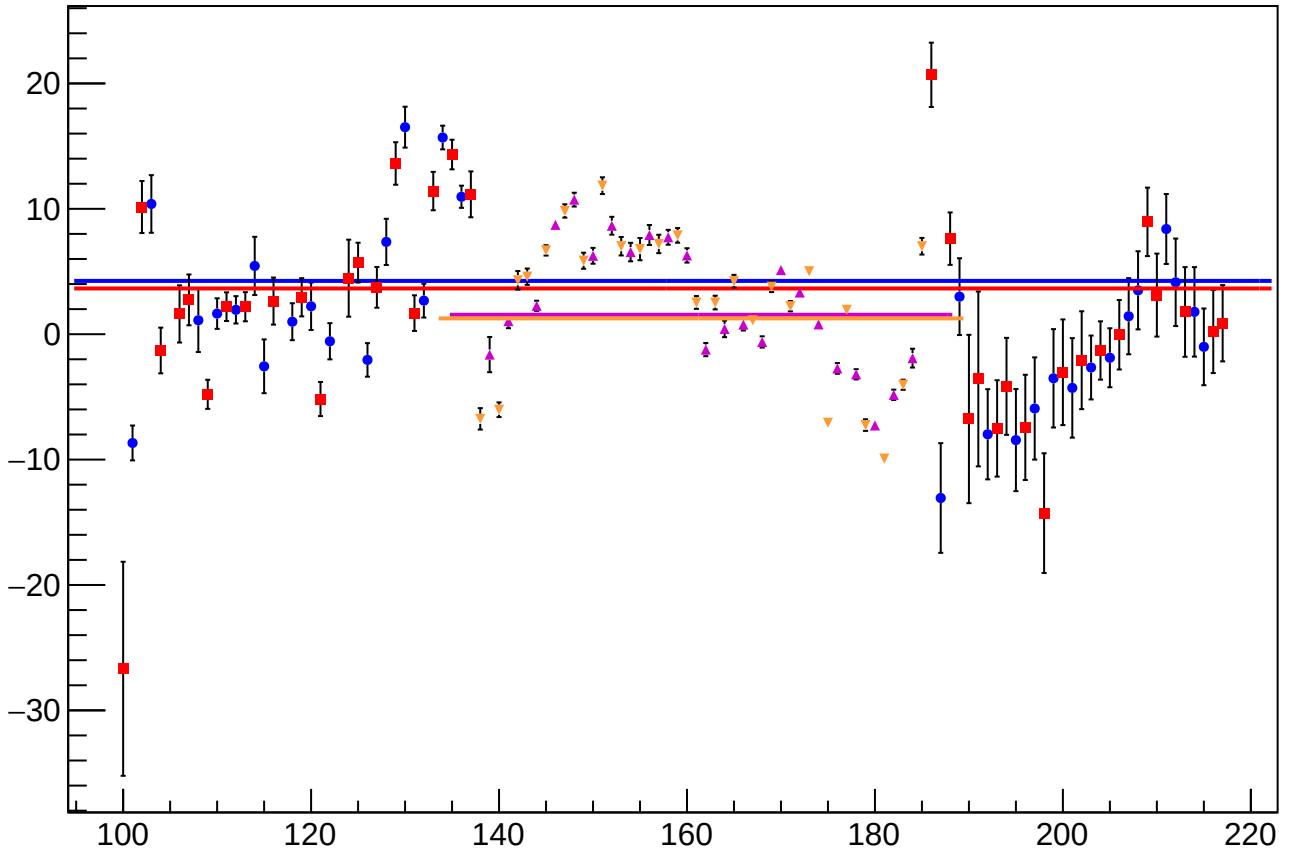
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.171+/-0.186 χ^2/NDF: 4834.2/66

In: -50.827+/-0.107 χ^2/NDF:26841.3/53

Out: -51.779+/-0.104 χ^2/NDF:32357.9/60

All: -51.314+/-0.075 χ^2/NDF: 59239.9/114



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: 3.648+/-0.329 χ^2/NDF: 393.6/35

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

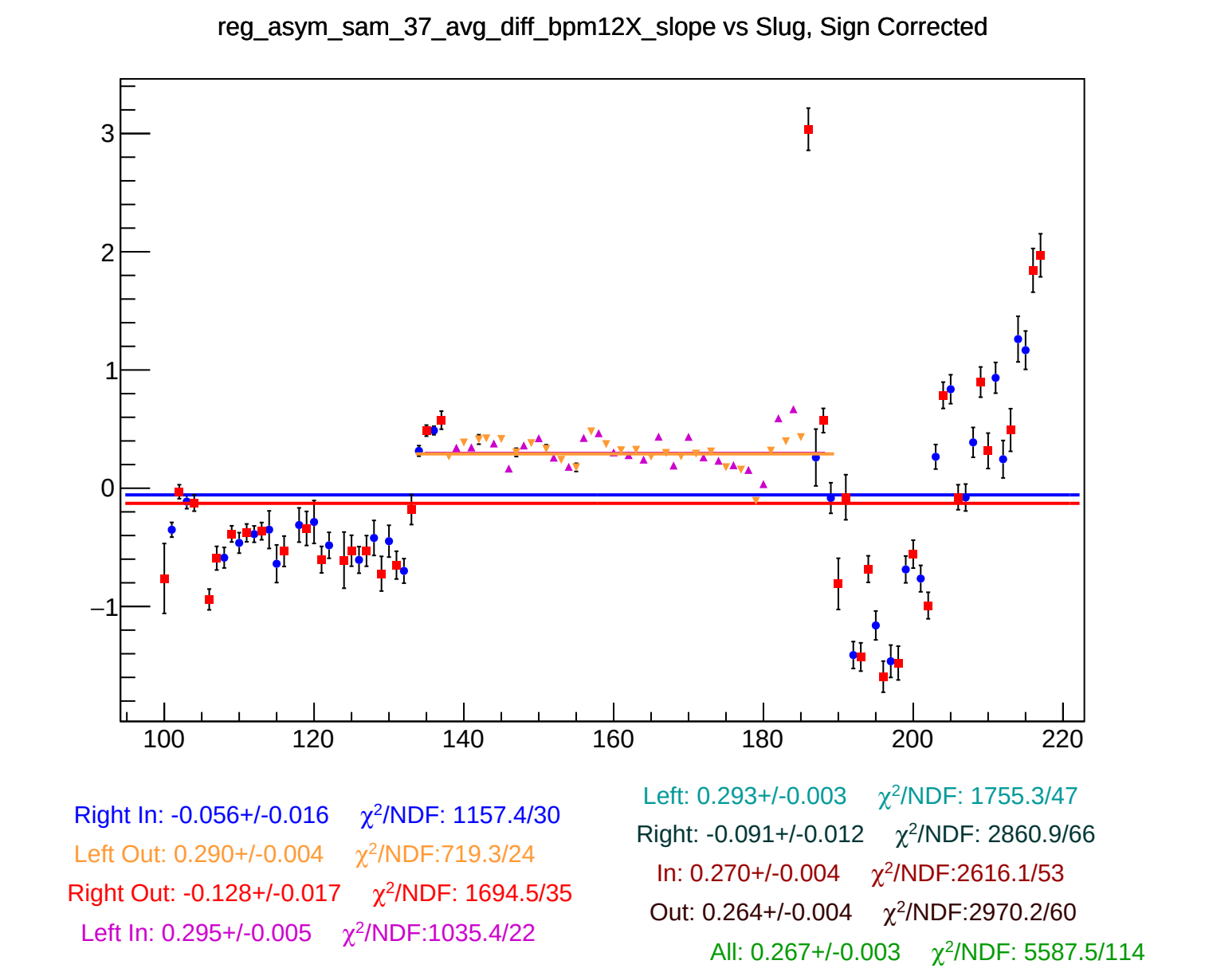
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

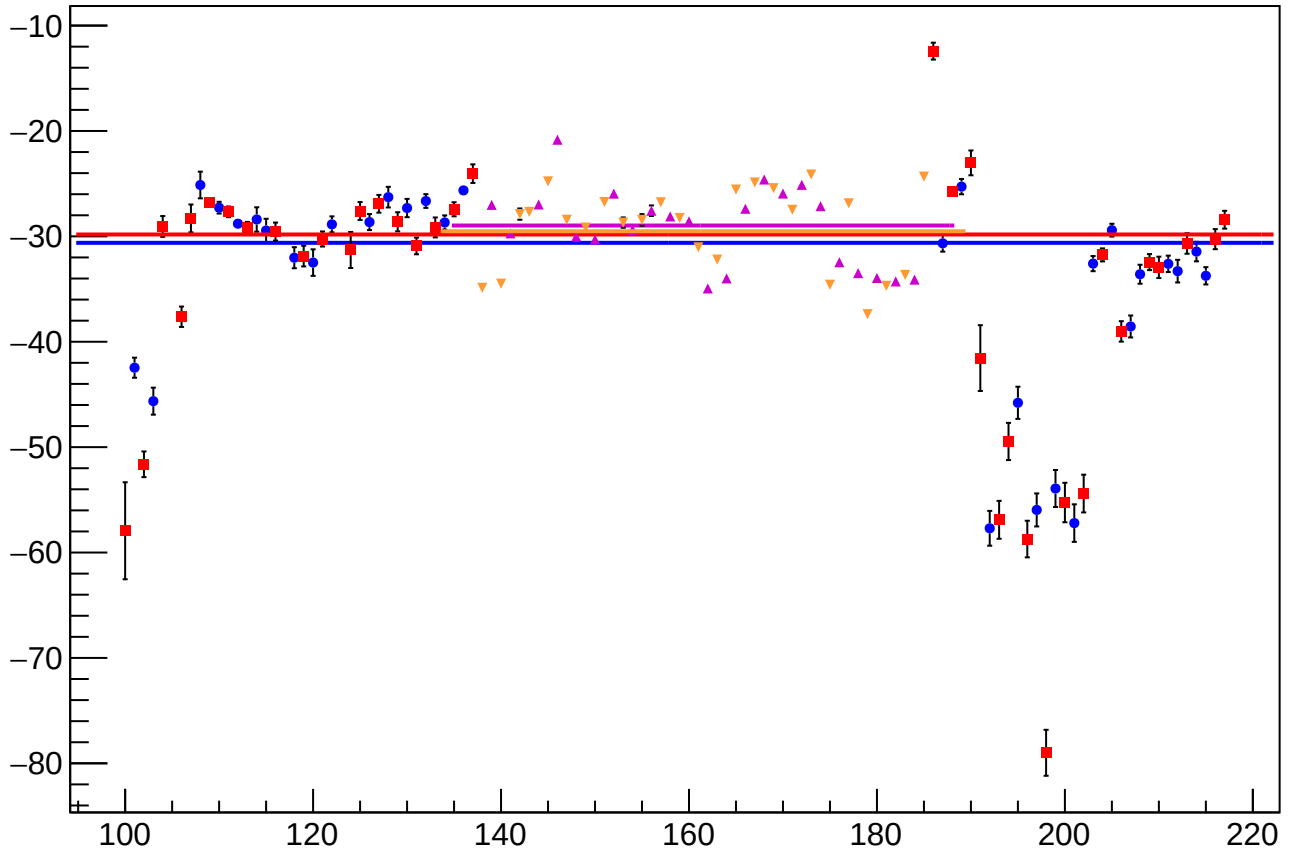
Right: 3.955+/-0.230 χ^2/NDF: 886.6/66

In: 1.796+/-0.097 χ^2/NDF:2890.6/53

Out: 1.465+/-0.096 χ^2/NDF:3887.5/60

All: 1.629+/-0.068 χ^2/NDF: 6784.0/114


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: -0.128+/-0.017 χ²/NDF: 1694.5/35
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.091+/-0.012 χ²/NDF: 2860.9/66
In: 0.270+/-0.004 χ²/NDF:2616.1/53
Out: 0.264+/-0.004 χ²/NDF:2970.2/60
All: 0.267+/-0.003 χ²/NDF: 5587.5/114



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: -29.821+/-0.142 χ^2/NDF: 2808.8/35

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

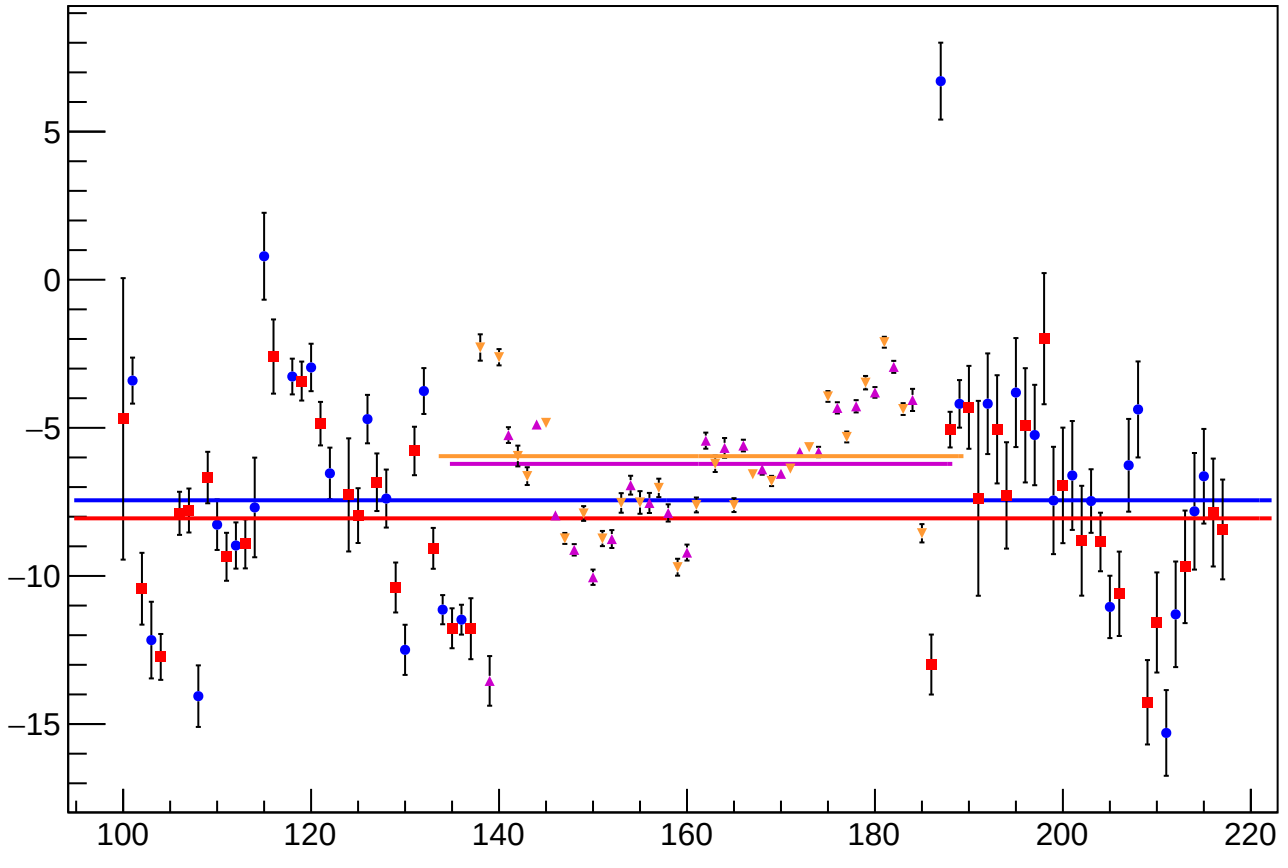
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.203+/-0.102 χ^2/NDF: 4607.7/66

In: -29.185+/-0.053 χ^2/NDF:7240.8/53

Out: -29.558+/-0.052 χ^2/NDF:8901.2/60

All: -29.374+/-0.037 χ^2/NDF: 16167.0/114



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: -8.056+/-0.169 χ^2/NDF: 294.7/35

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

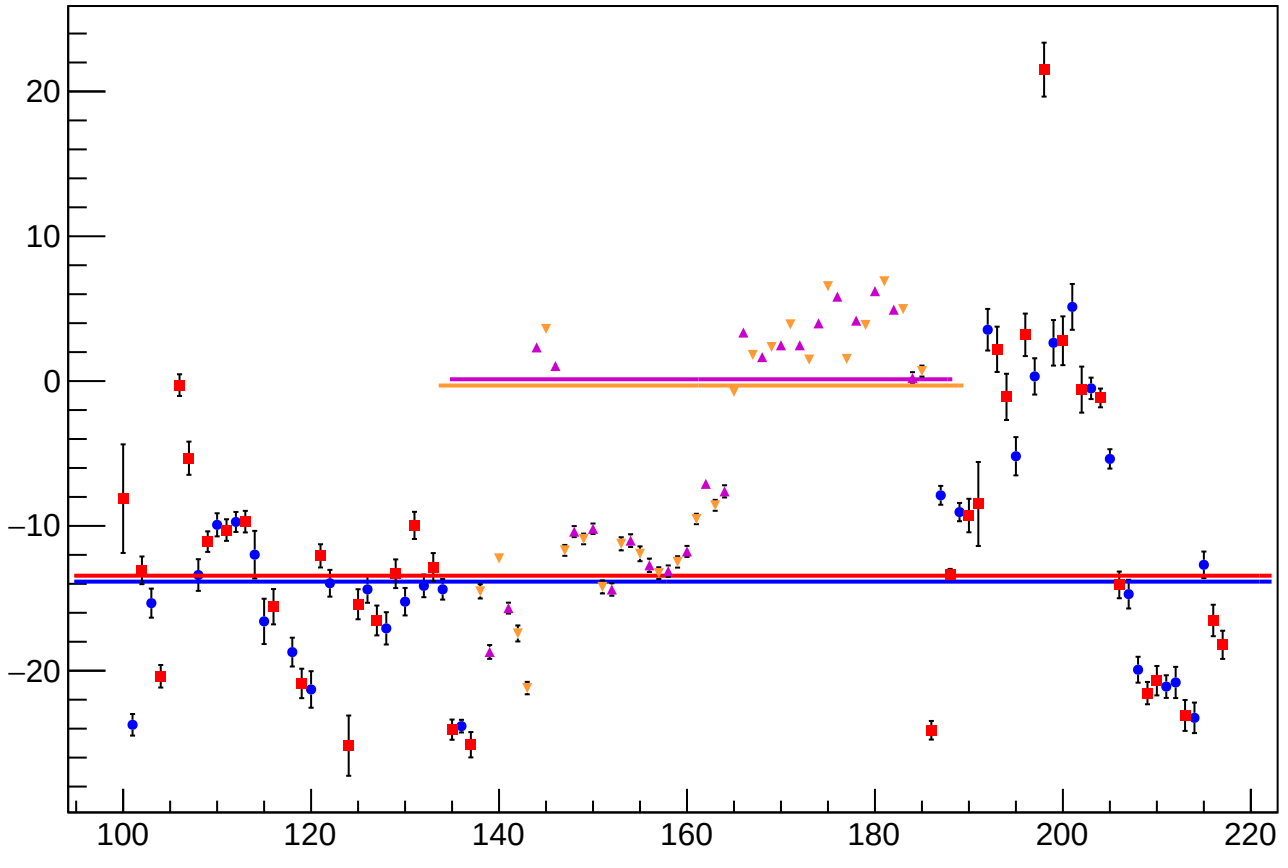
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.755+/-0.120 χ^2/NDF: 883.4/66

In: -6.293+/-0.043 χ^2/NDF:2372.2/53

Out: -6.092+/-0.043 χ^2/NDF:2297.3/60

All: -6.193+/-0.030 χ^2/NDF: 4680.5/114



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: -13.439+/-0.148 χ^2/NDF: 2748.6/35

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

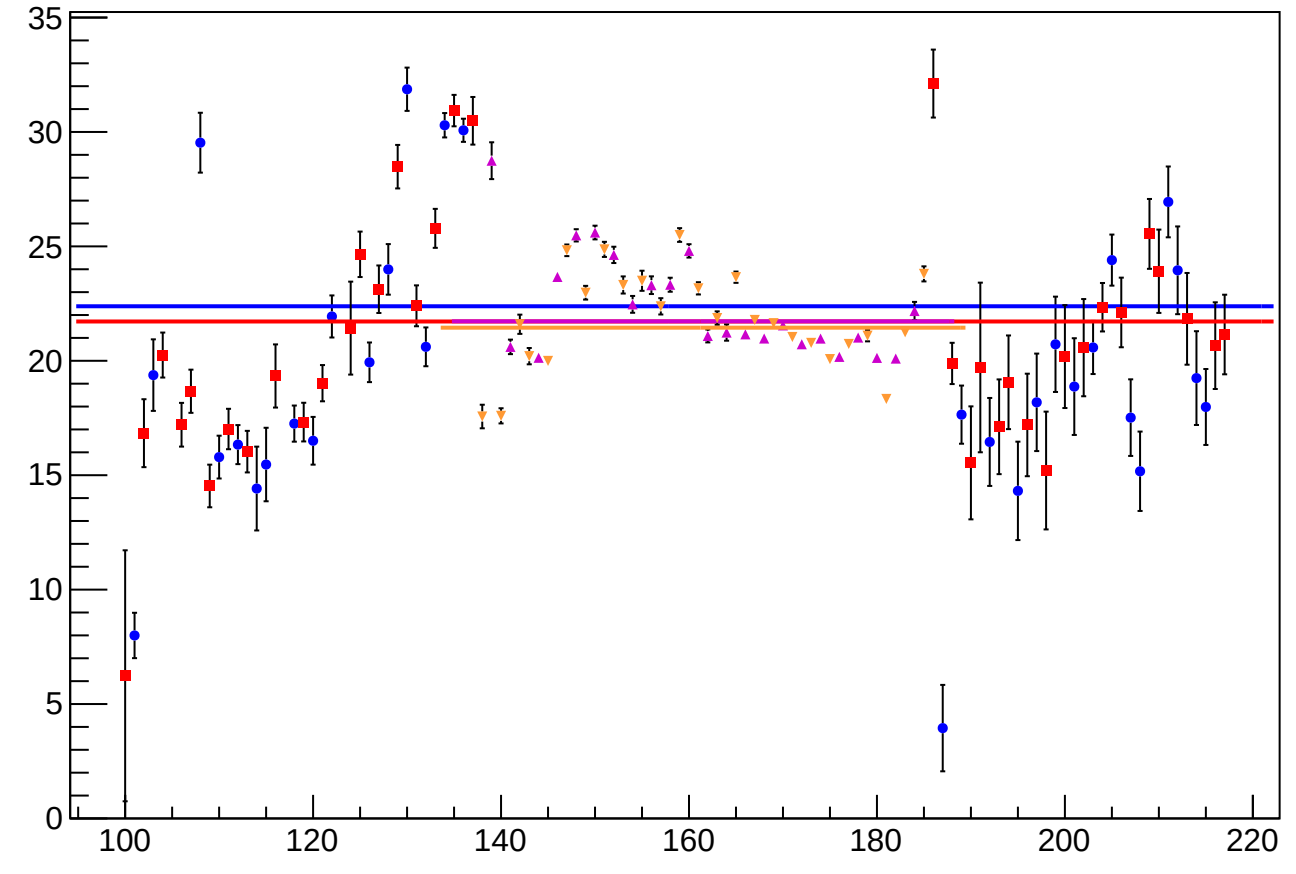
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -13.633+/-0.107 χ^2/NDF: 5039.4/66

In: -1.521+/-0.054 χ^2/NDF:23205.1/53

Out: -1.973+/-0.053 χ^2/NDF:26773.9/60

All: -1.750+/-0.038 χ^2/NDF: 50015.0/114



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: 21.718+/-0.196 χ^2/NDF: 644.4/35

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

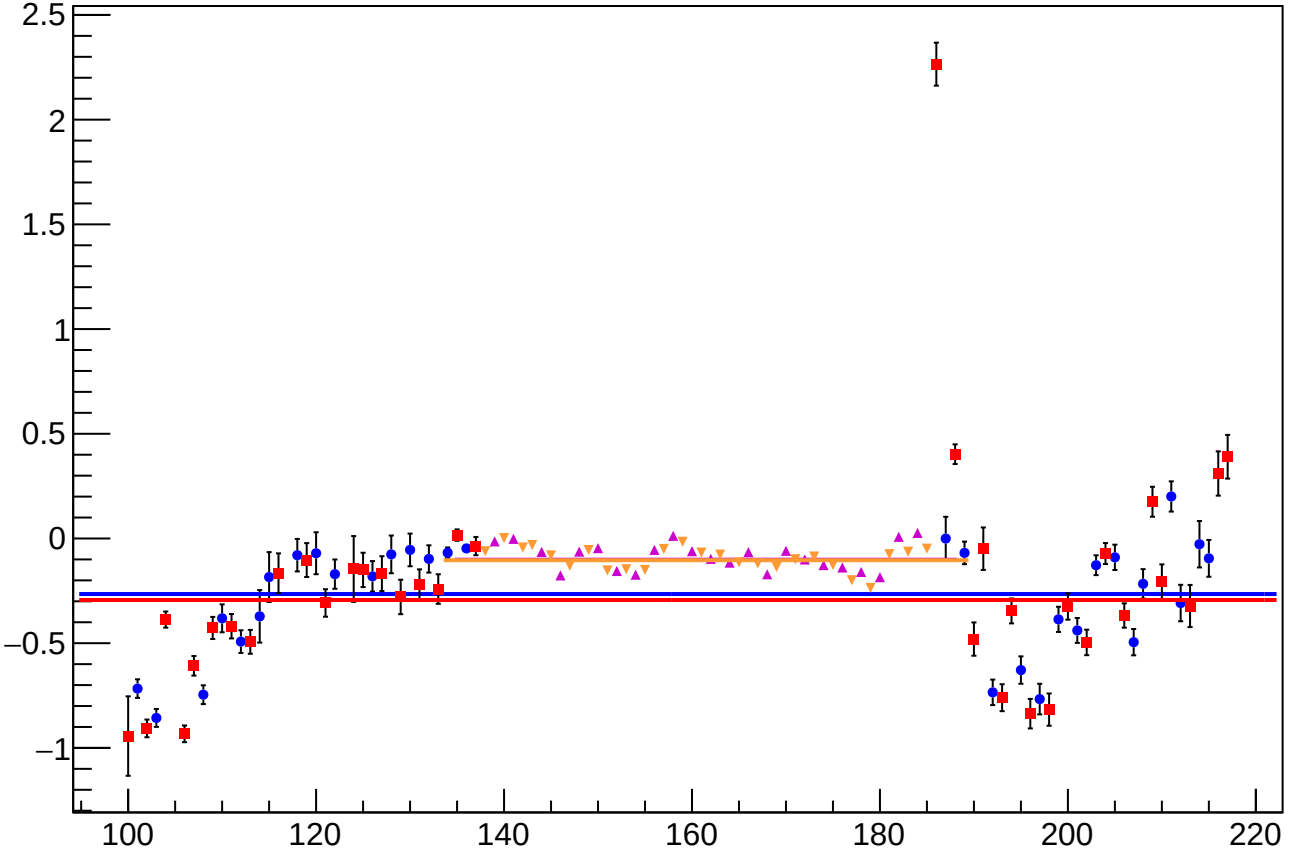
Right: 22.054+/-0.138 χ^2/NDF: 1863.1/66

In: 21.766+/-0.048 χ^2/NDF:2397.4/53

Out: 21.463+/-0.048 χ^2/NDF:1971.4/60

All: 21.614+/-0.034 χ^2/NDF: 4388.6/114

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.265+/-0.010 χ^2/NDF: 886.0/30

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.294+/-0.010 χ^2/NDF: 1898.3/35

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

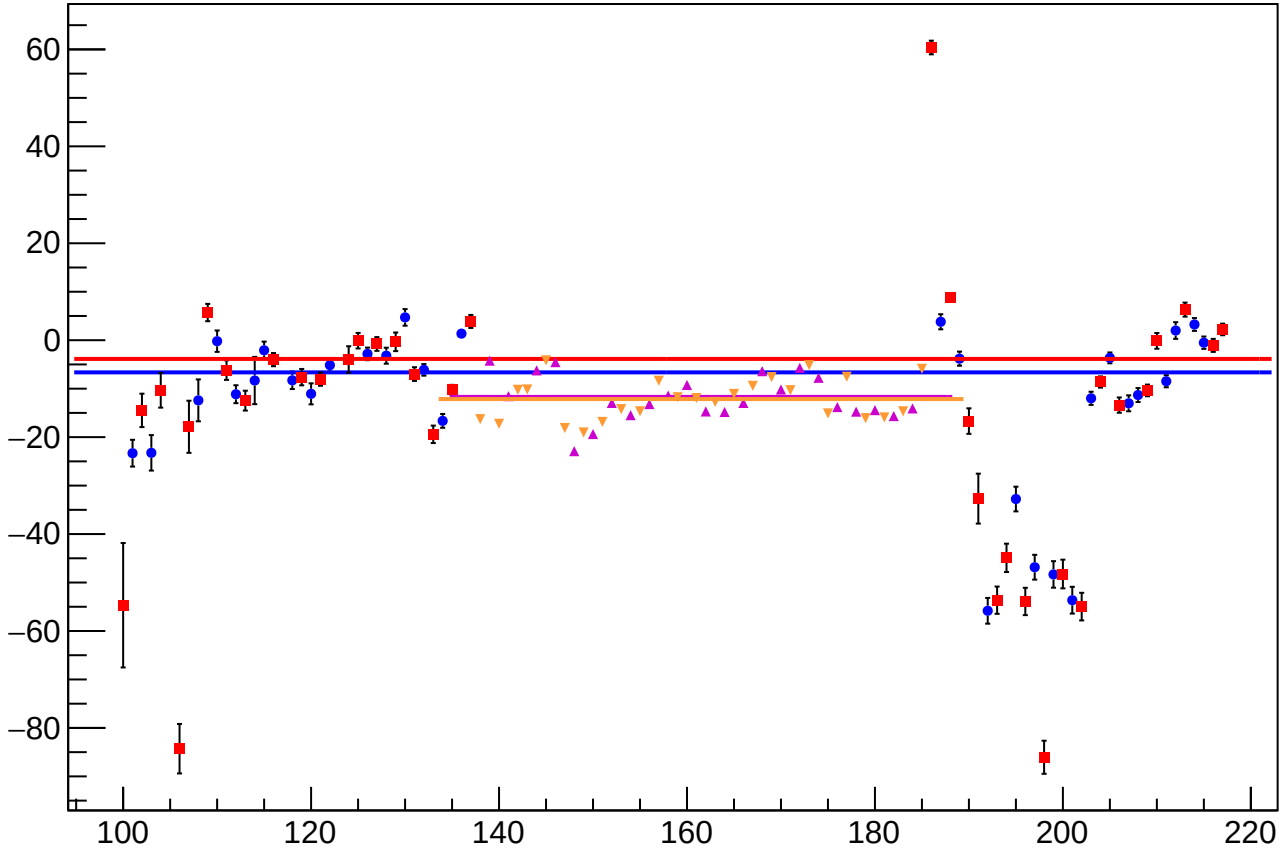
Right: -0.279+/-0.007 χ^2/NDF: 2788.5/66

In: -0.110+/-0.002 χ^2/NDF:1918.0/53

Out: -0.113+/-0.002 χ^2/NDF:2793.1/60

All: -0.111+/-0.002 χ^2/NDF: 4712.1/114

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: -3.863+/-0.279 χ^2/NDF: 4994.9/35

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

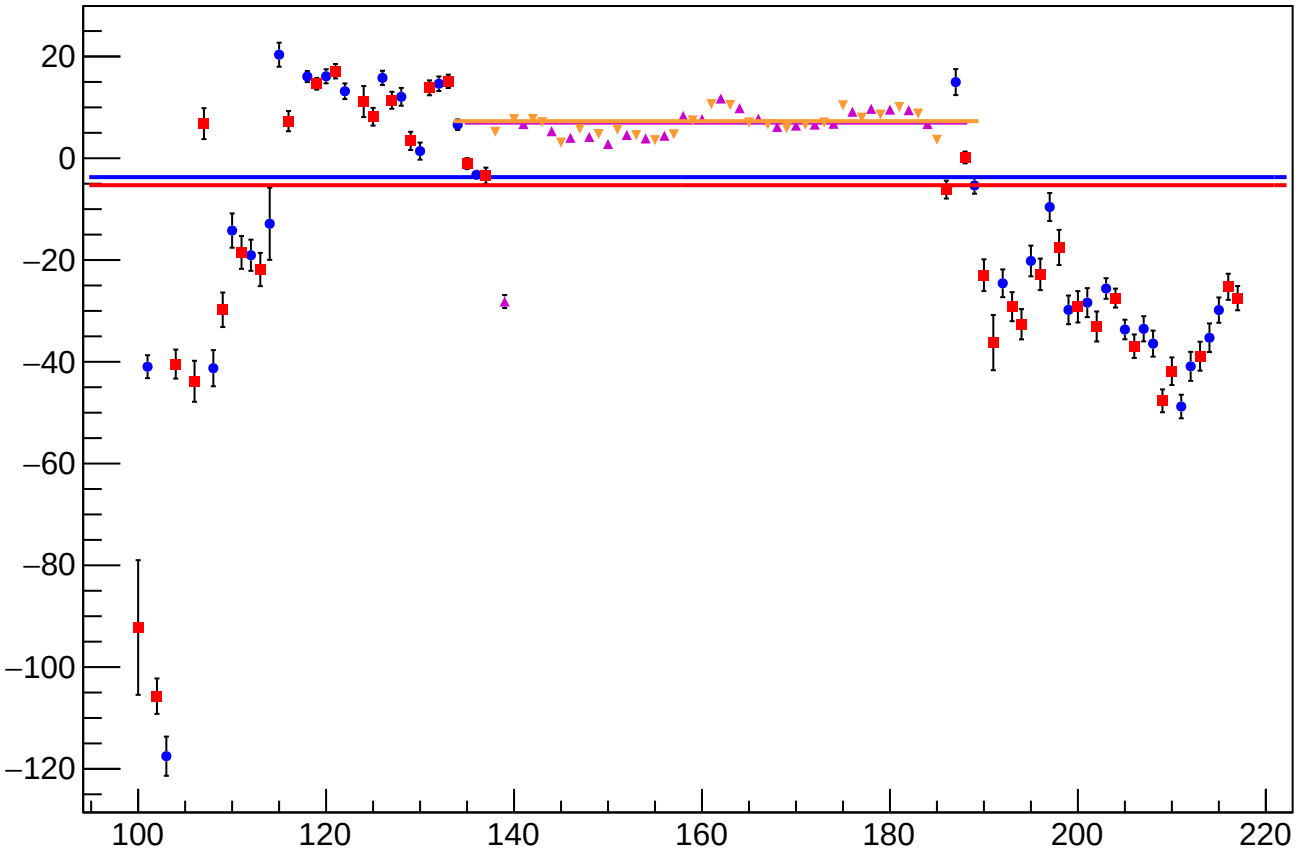
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.249+/-0.197 χ^2/NDF: 6796.1/66

In: -11.180+/-0.089 χ^2/NDF:3997.6/53

Out: -11.339+/-0.087 χ^2/NDF:7919.9/60

All: -11.262+/-0.062 χ^2/NDF: 11919.1/114



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: -5.290+/-0.339 χ^2/NDF: 4051.5/35

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

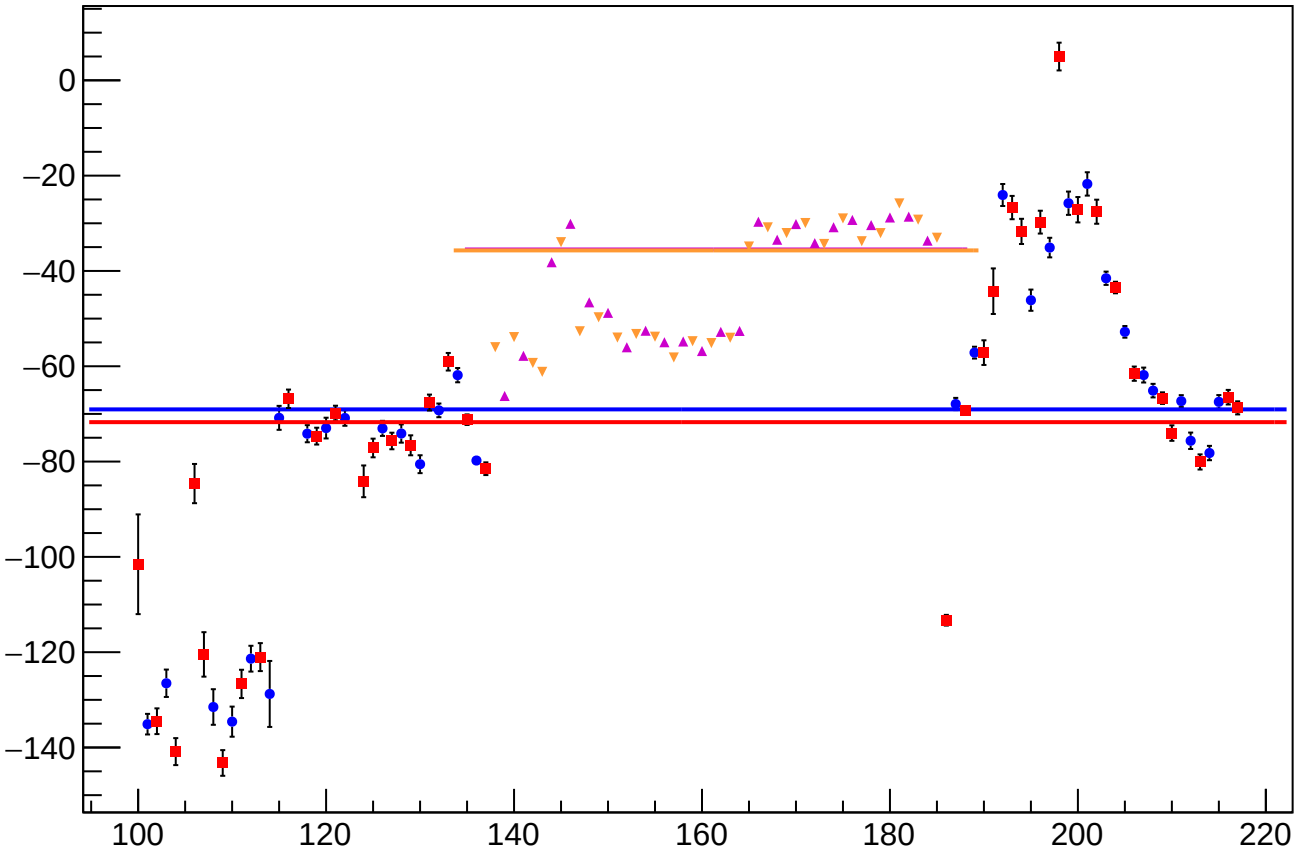
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: -4.473+/-0.235 χ^2/NDF: 8424.1/66

In: 6.456+/-0.074 χ^2/NDF:6954.2/53

Out: 6.709+/-0.073 χ^2/NDF:6191.4/60

All: 6.584+/-0.052 χ^2/NDF: 13151.5/114



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: -71.728+/-0.284 χ^2/NDF: 6993.8/35

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

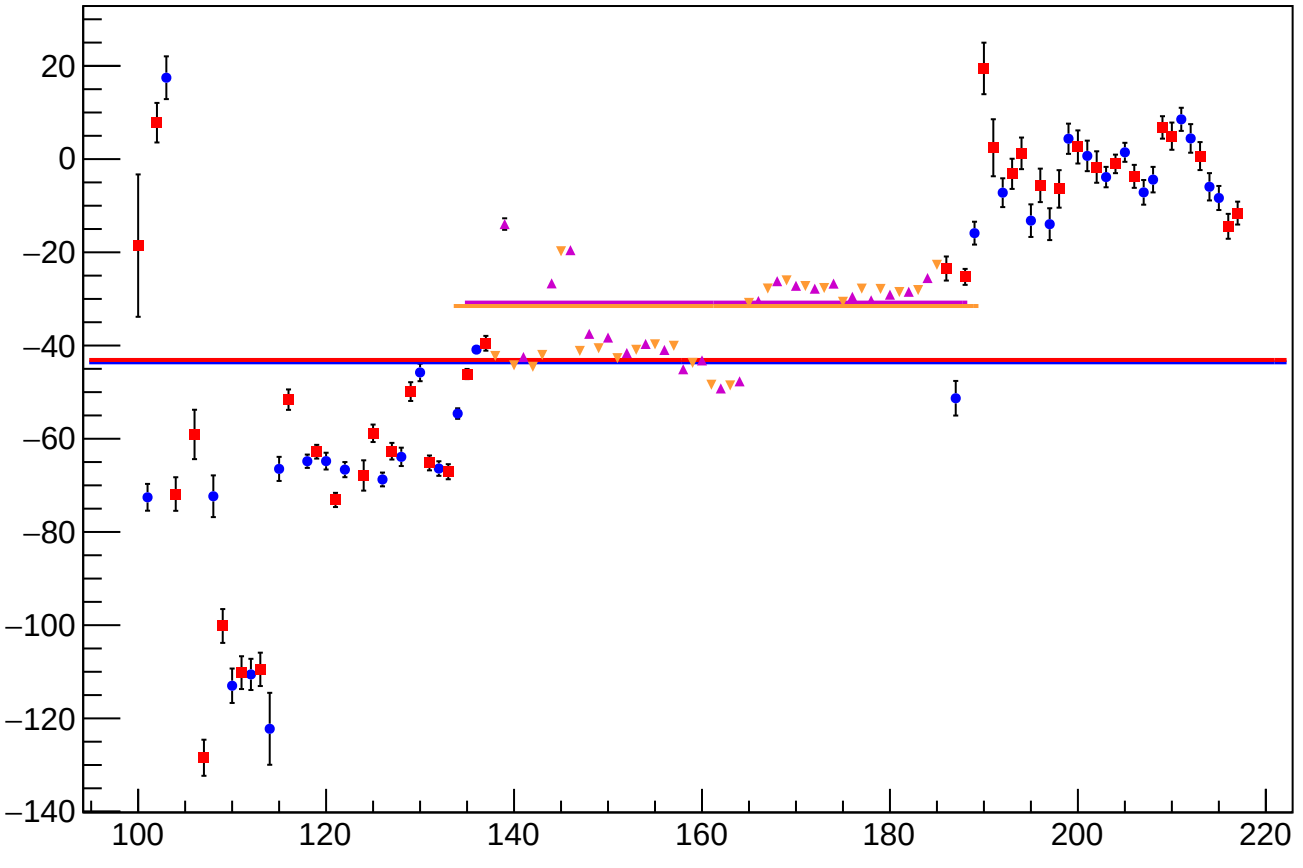
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -70.413+/-0.203 χ^2/NDF: 12048.3/66

In: -38.741+/-0.090 χ^2/NDF:28338.0/53

Out: -39.127+/-0.088 χ^2/NDF:34334.0/60

All: -38.939+/-0.063 χ^2/NDF: 62681.5/114



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: -43.096+/-0.387 χ^2/NDF: 6000.4/35

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

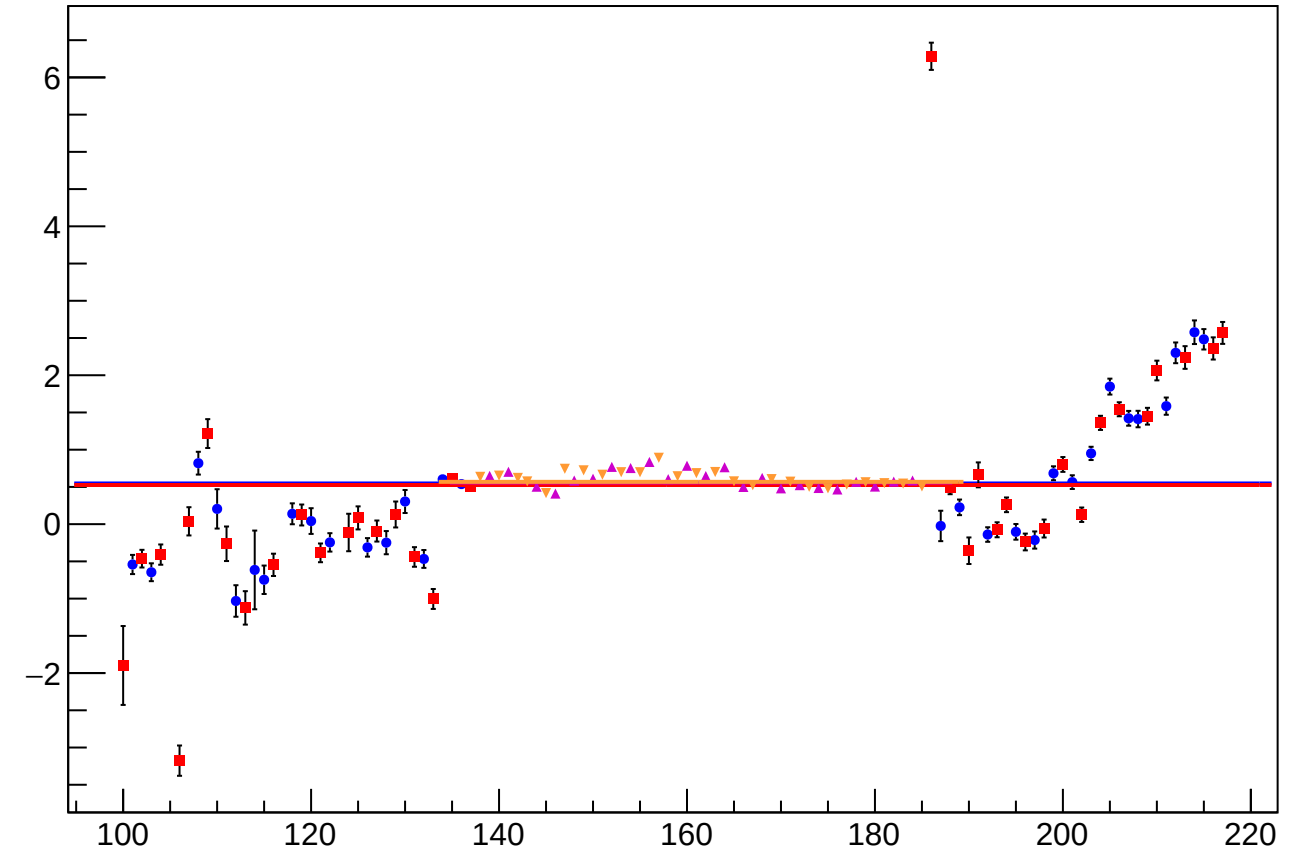
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -43.363+/-0.266 χ^2/NDF: 11607.2/66

In: -31.435+/-0.082 χ^2/NDF:14320.4/53

Out: -32.027+/-0.081 χ^2/NDF:15315.2/60

All: -31.736+/-0.058 χ^2/NDF: 29661.9/114



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: 0.526+/-0.019 χ^2/NDF: 2914.6/35

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

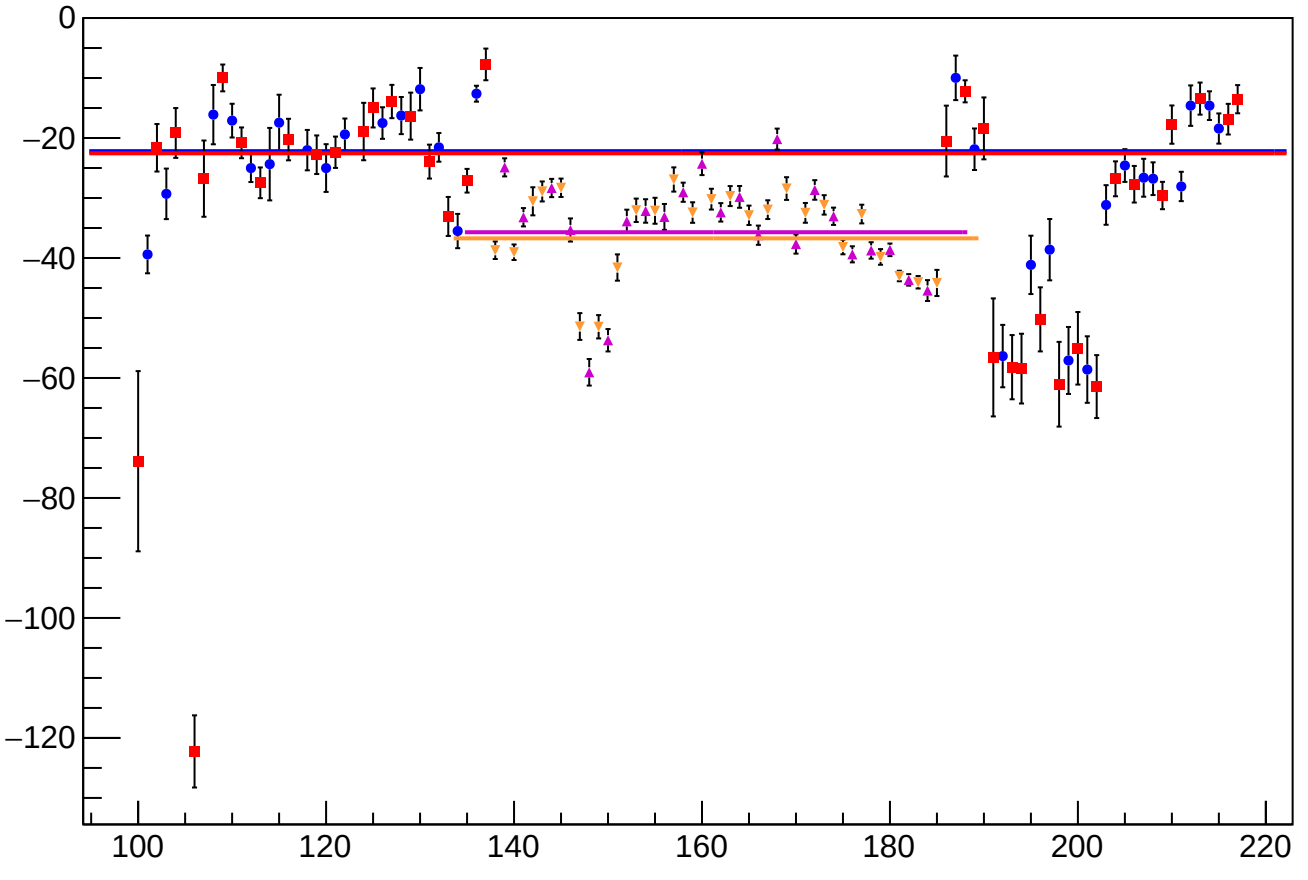
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.537+/-0.013 χ^2/NDF: 4463.4/66

In: 0.559+/-0.004 χ^2/NDF:2220.2/53

Out: 0.567+/-0.004 χ^2/NDF:3473.8/60

All: 0.563+/-0.003 χ^2/NDF: 5696.1/114



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: -22.554+/-0.534 χ^2/NDF: 704.9/35

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

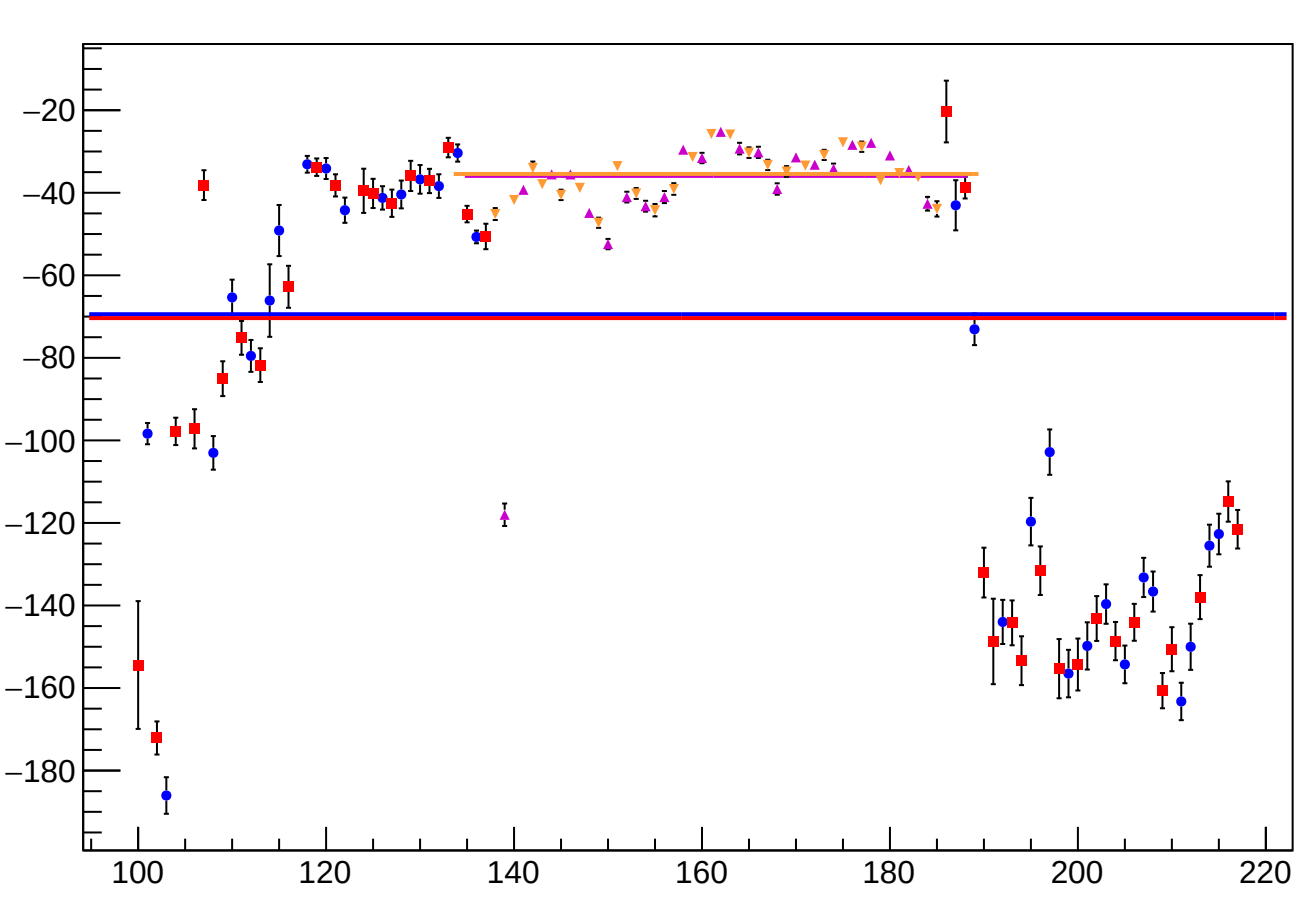
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -22.375+/-0.379 χ^2/NDF: 1034.0/66

In: -32.121+/-0.277 χ^2/NDF:1371.4/53

Out: -33.147+/-0.268 χ^2/NDF:1652.4/60

All: -32.650+/-0.193 χ^2/NDF: 3030.9/114



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: -70.369+/-0.637 χ^2/NDF: 5150.9/35

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

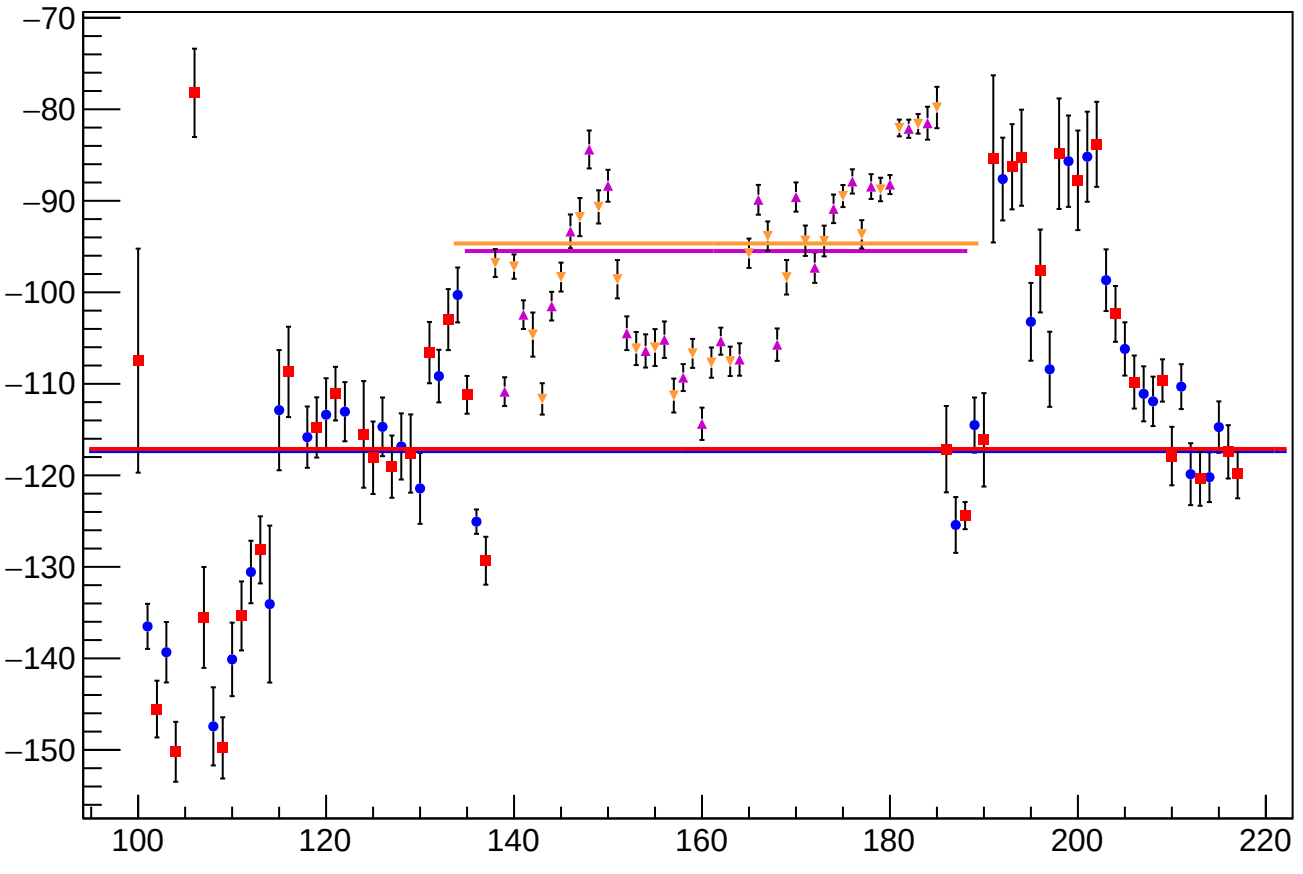
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -69.888+/-0.445 χ^2/NDF: 10076.3/66

In: -40.777+/-0.237 χ^2/NDF:8952.3/53

Out: -39.941+/-0.229 χ^2/NDF:8309.2/60

All: -40.344+/-0.164 χ^2/NDF: 17267.9/114



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: -117.117+/-0.557 χ^2/NDF: 743.3/35

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

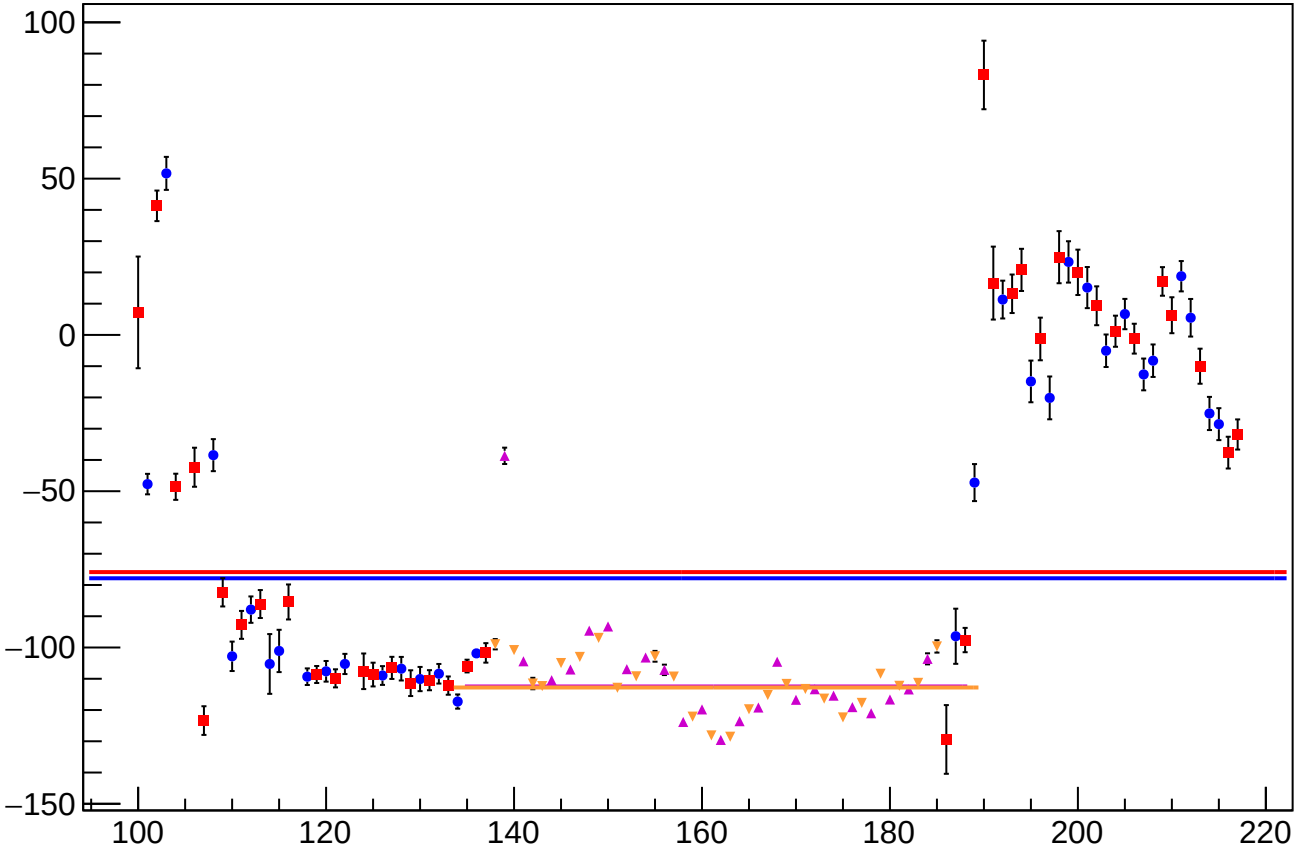
Right: -117.235+/-0.394 χ^2/NDF: 1242.1/66

In: -100.927+/-0.278 χ^2/NDF:2621.3/53

Out: -99.974+/-0.271 χ^2/NDF:2885.8/60

All: -100.437+/-0.194 χ^2/NDF: 5513.2/114

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -75.874+/-0.725 χ^2/NDF: 4645.5/35

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

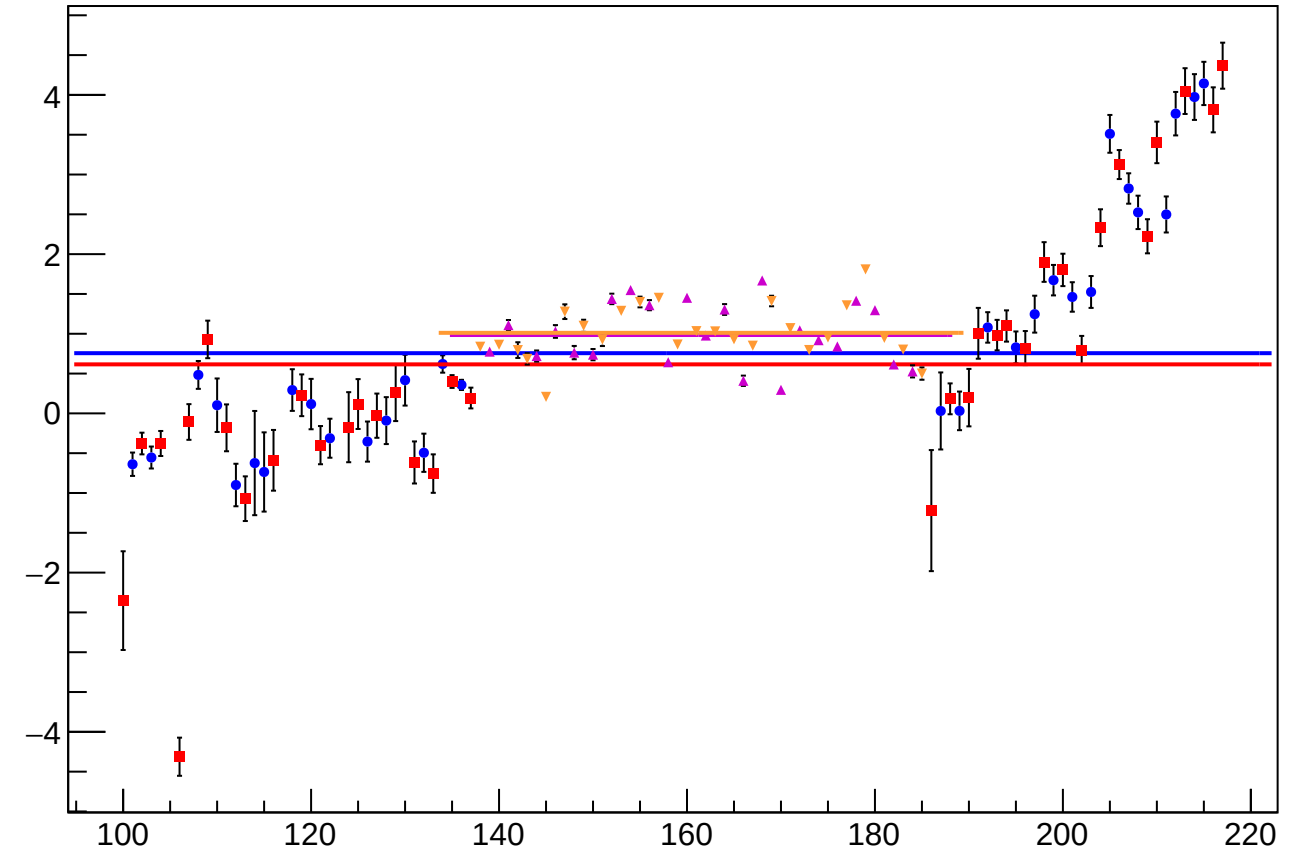
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -76.900+/-0.503 χ^2/NDF: 9080.9/66

In: -107.534+/-0.264 χ^2/NDF:8323.9/53

Out: -108.178+/-0.256 χ^2/NDF:7851.4/60

All: -107.865+/-0.184 χ^2/NDF: 16178.4/114



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: 0.616+/-0.035 χ^2/NDF: 1649.0/35

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

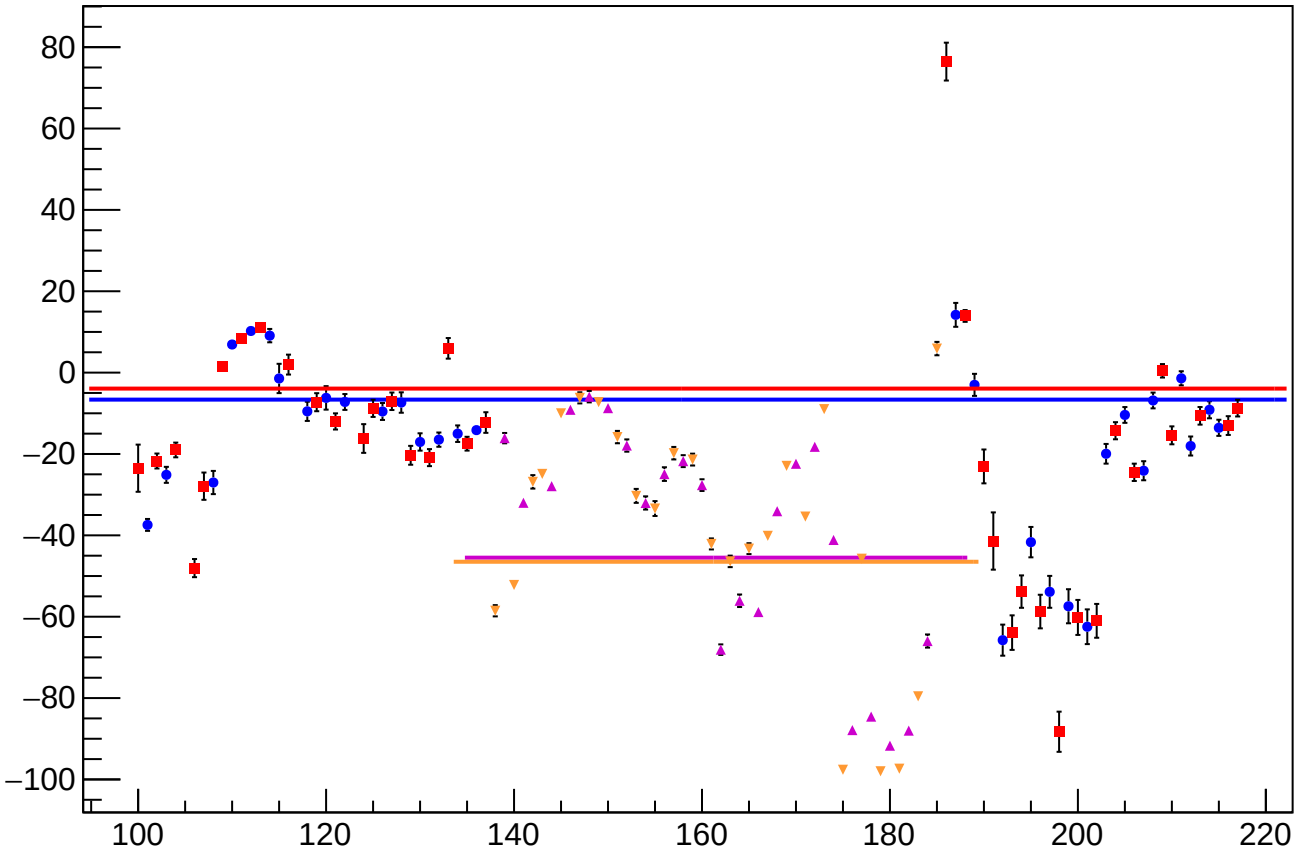
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.689+/-0.024 χ^2/NDF: 2874.8/66

In: 0.956+/-0.012 χ^2/NDF:2158.0/53

Out: 0.969+/-0.012 χ^2/NDF:2453.6/60

All: 0.963+/-0.008 χ^2/NDF: 4612.2/114



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: -3.926+/-0.297 χ^2/NDF: 3441.6/35

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

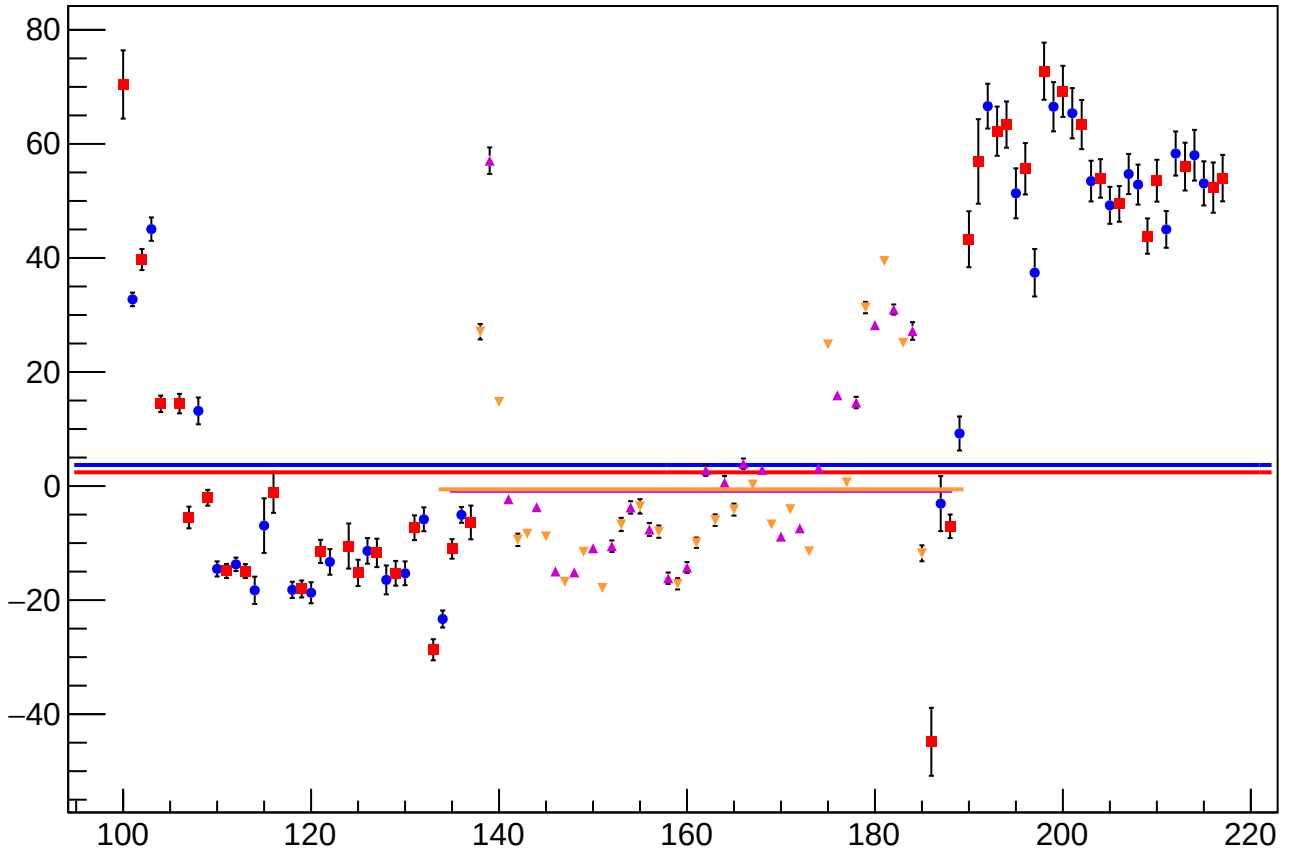
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -5.162+/-0.219 χ^2/NDF: 6056.3/66

In: -31.922+/-0.192 χ^2/NDF:27476.1/53

Out: -30.544+/-0.182 χ^2/NDF:36312.7/60

All: -31.197+/-0.132 χ^2/NDF: 63816.0/114



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: 2.404+/-0.384 χ^2/NDF: 4530.5/35

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

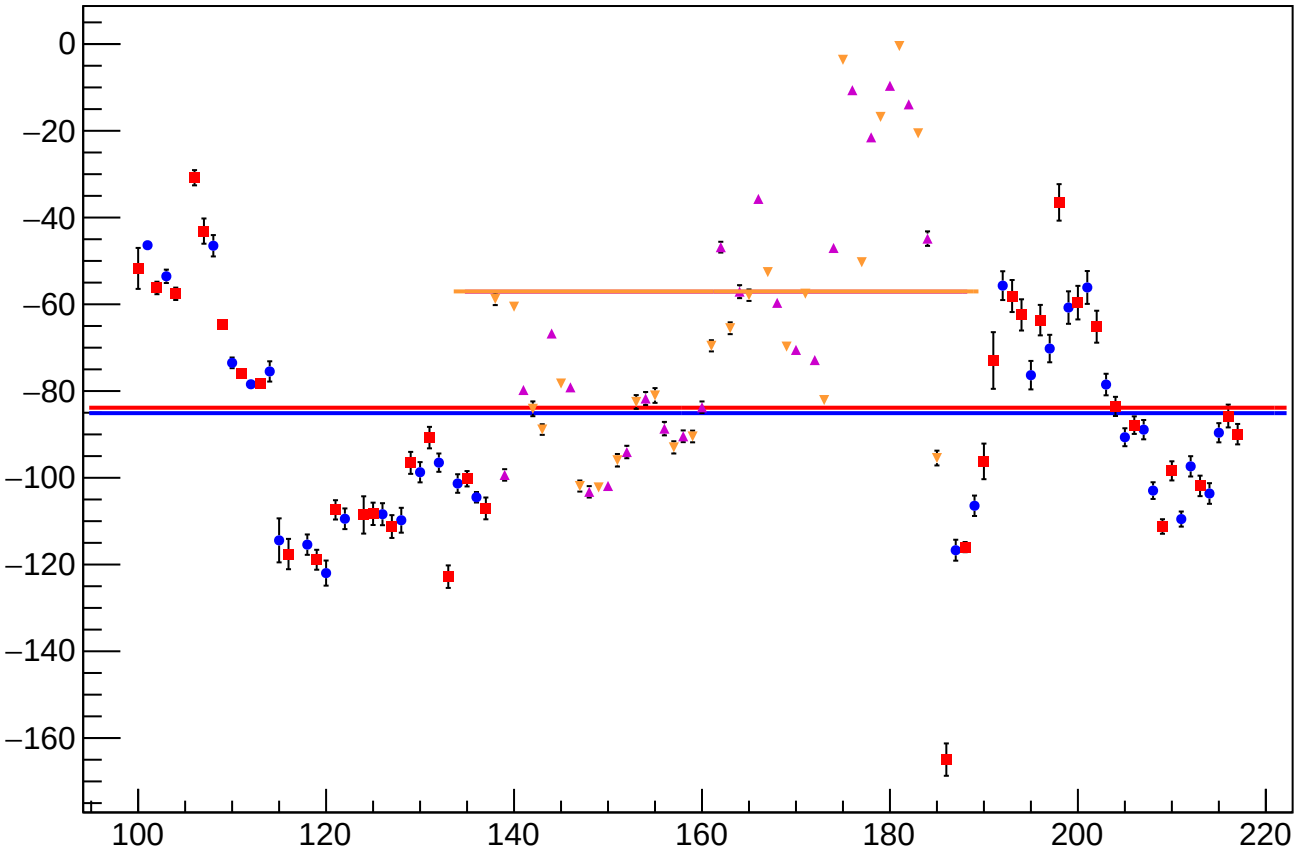
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 3.034+/-0.275 χ^2/NDF: 9394.4/66

In: -0.025+/-0.166 χ^2/NDF:11083.4/53

Out: -0.050+/-0.161 χ^2/NDF:13031.5/60

All: -0.038+/-0.116 χ^2/NDF: 24114.9/114



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: -83.841+/-0.341 χ^2/NDF: 5296.7/35

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

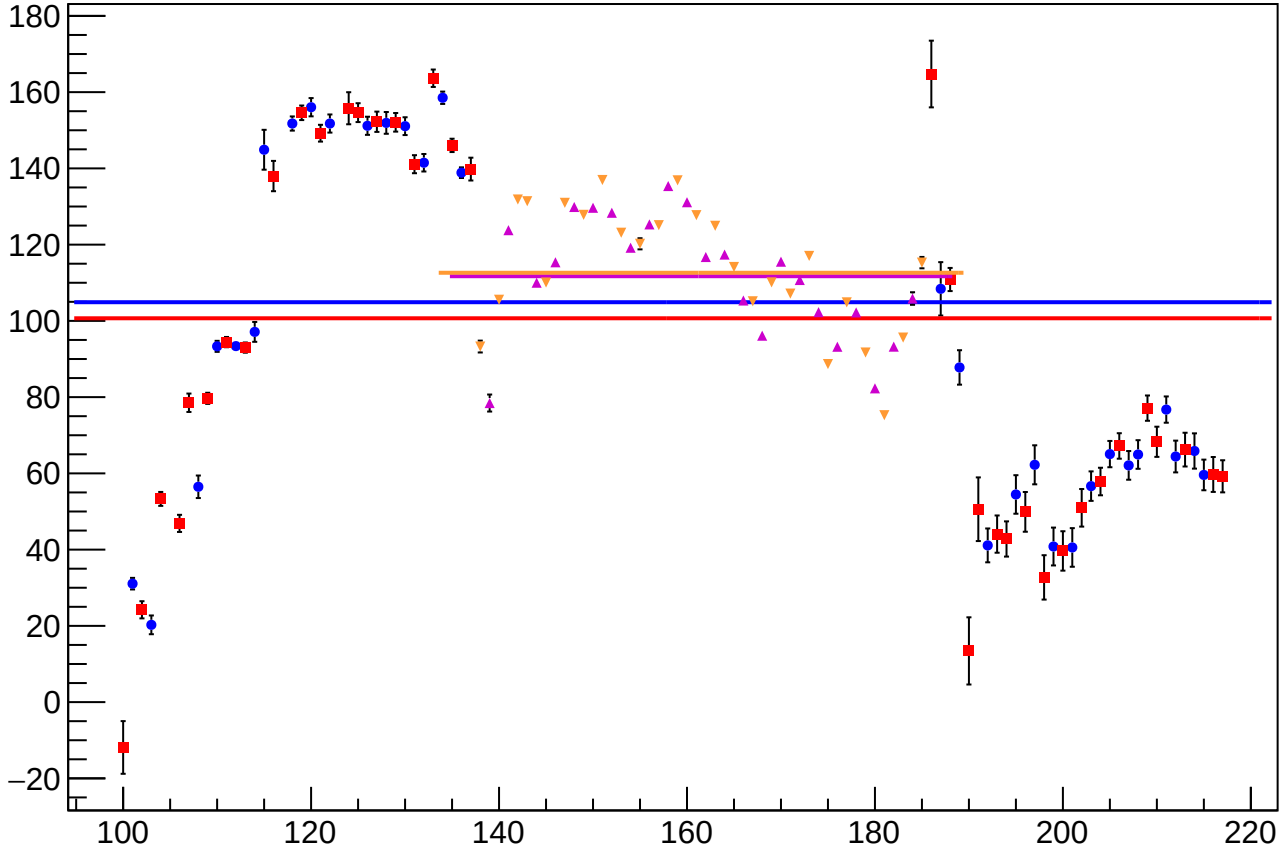
Right: -84.436+/-0.248 χ^2/NDF: 9110.5/66

In: -65.556+/-0.198 χ^2/NDF:25210.2/53

Out: -65.395+/-0.191 χ^2/NDF:29850.9/60

All: -65.473+/-0.137 χ^2/NDF: 55061.5/114

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 104.899+/-0.447 χ^2/NDF: 10097.3/30

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 100.683+/-0.438 χ^2/NDF: 9305.7/35

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

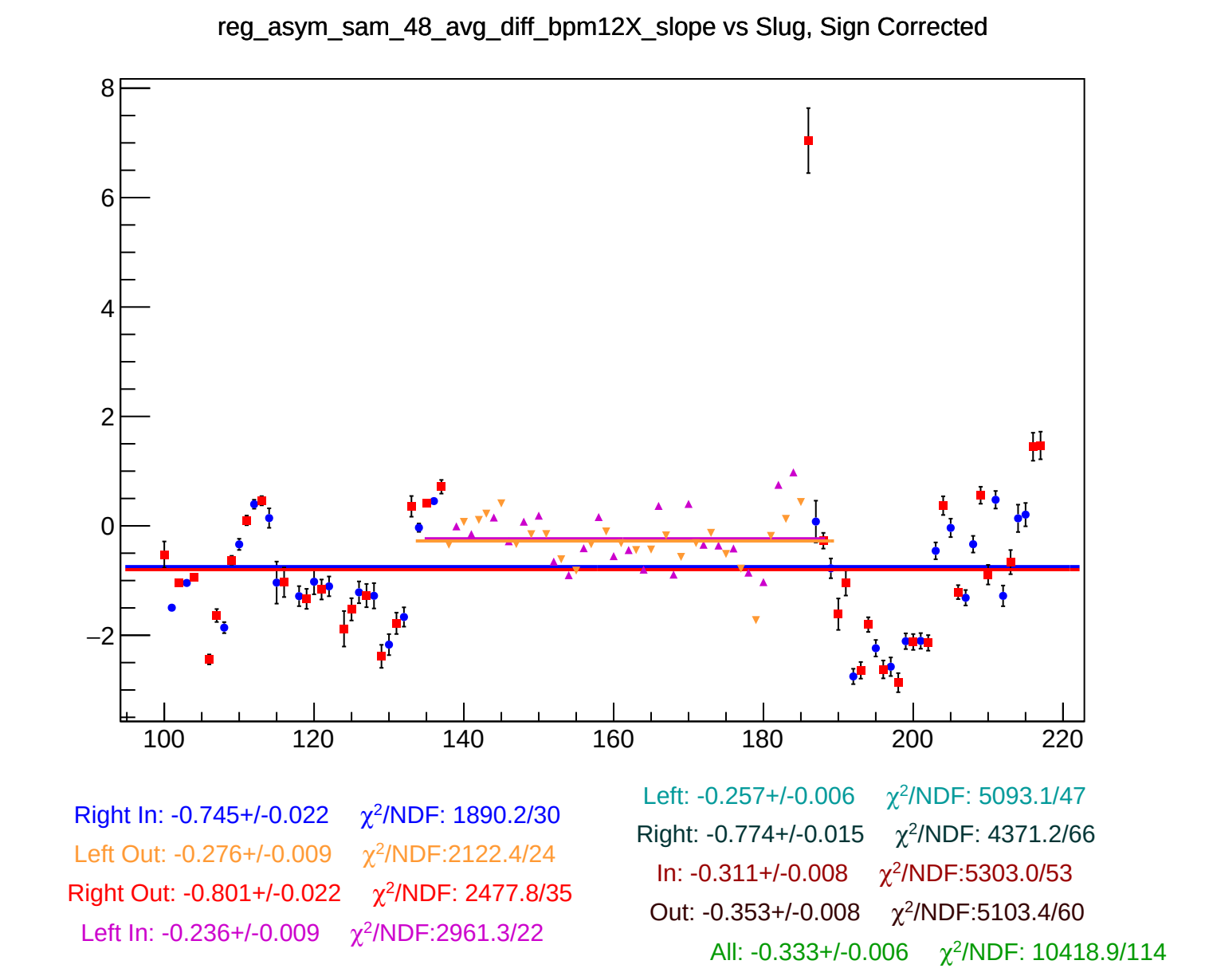
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

Right: 102.748+/-0.313 χ^2/NDF: 19448.3/66

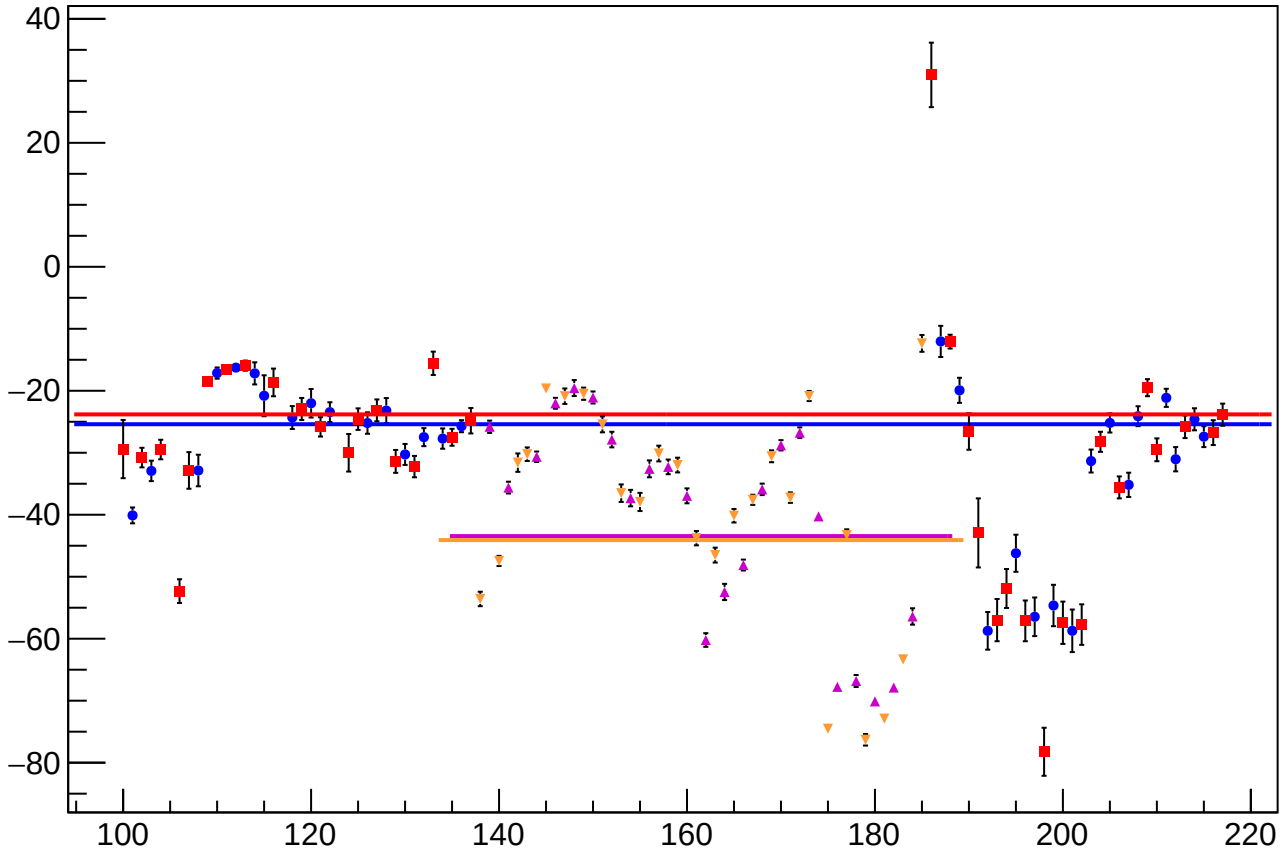
In: 110.525+/-0.187 χ^2/NDF:15186.1/53

Out: 110.567+/-0.182 χ^2/NDF:16628.6/60

All: 110.547+/-0.130 χ^2/NDF: 31814.7/114


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: -0.801+/-0.022 χ²/NDF: 2477.8/35
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.774+/-0.015 χ²/NDF: 4371.2/66
In: -0.311+/-0.008 χ²/NDF:5303.0/53
Out: -0.353+/-0.008 χ²/NDF:5103.4/60
All: -0.333+/-0.006 χ²/NDF: 10418.9/114

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -23.811+/-0.271 χ^2/NDF: 1560.9/35

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

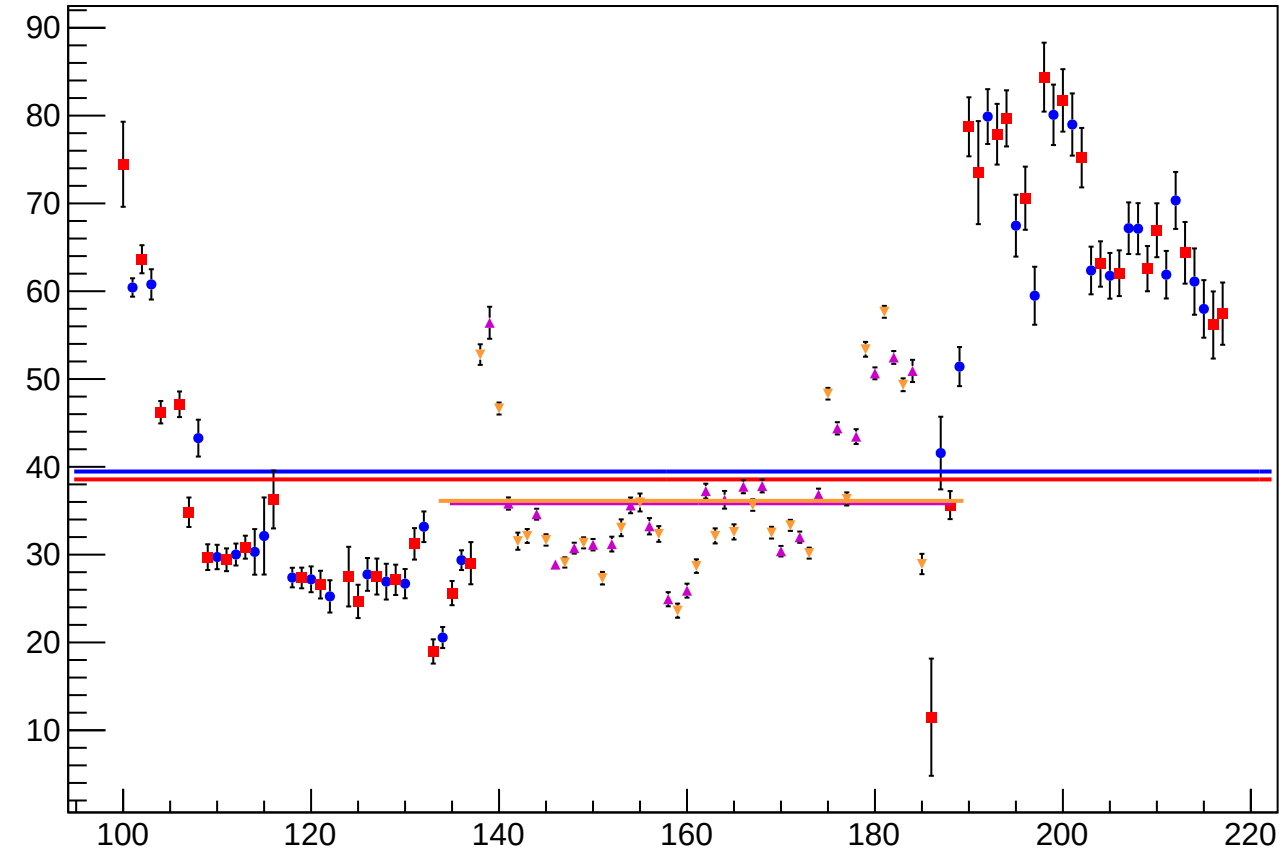
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.553+/-0.198 χ^2/NDF: 2538.9/66

In: -37.674+/-0.164 χ^2/NDF:11419.2/53

Out: -37.279+/-0.157 χ^2/NDF:15606.2/60

All: -37.469+/-0.113 χ^2/NDF: 27028.5/114



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: 38.568+/-0.333 χ^2/NDF: 2525.4/35

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

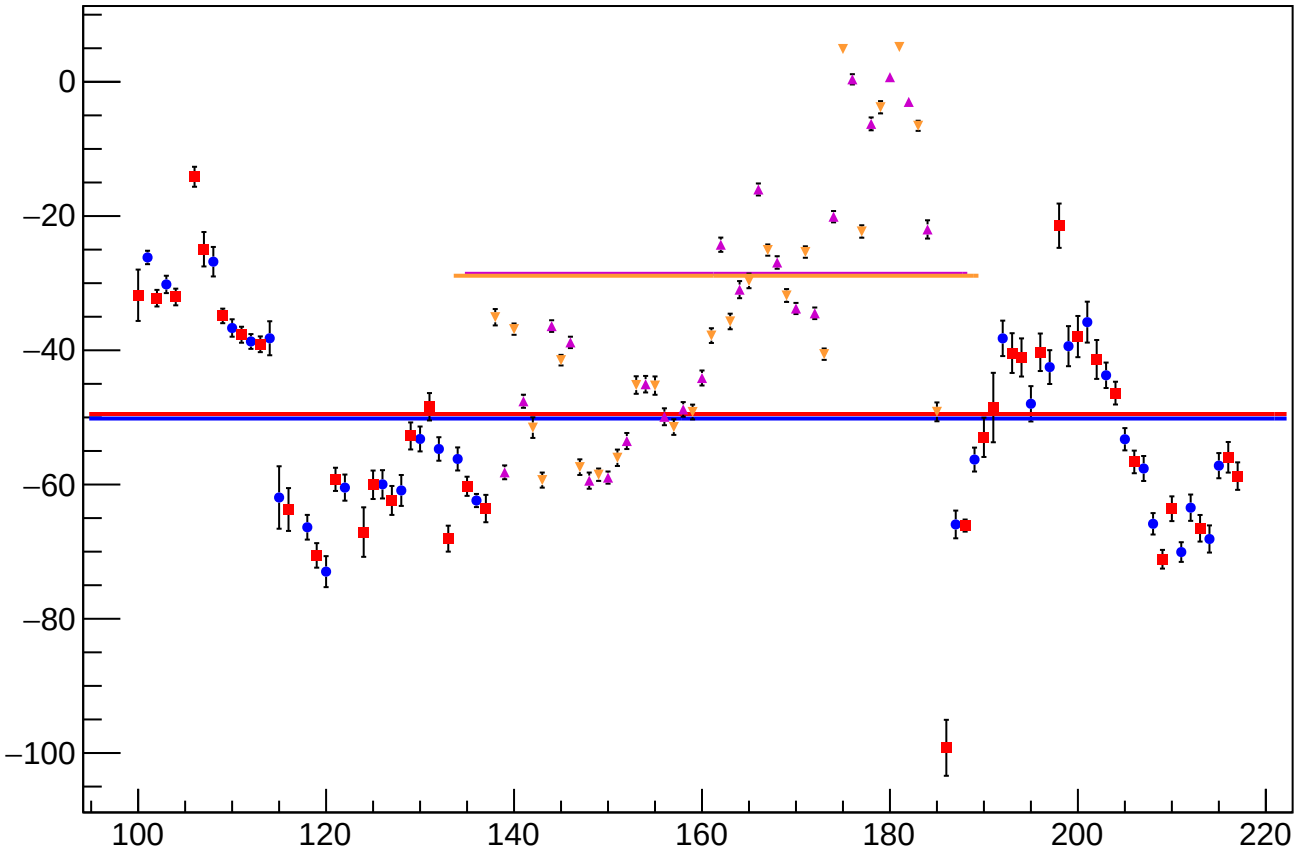
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 39.009+/-0.238 χ^2/NDF: 5040.5/66

In: 36.477+/-0.141 χ^2/NDF:4899.2/53

Out: 36.535+/-0.137 χ^2/NDF:6128.7/60

All: 36.507+/-0.098 χ^2/NDF: 11028.0/114



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: -49.492+/-0.297 χ^2/NDF: 2927.0/35

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

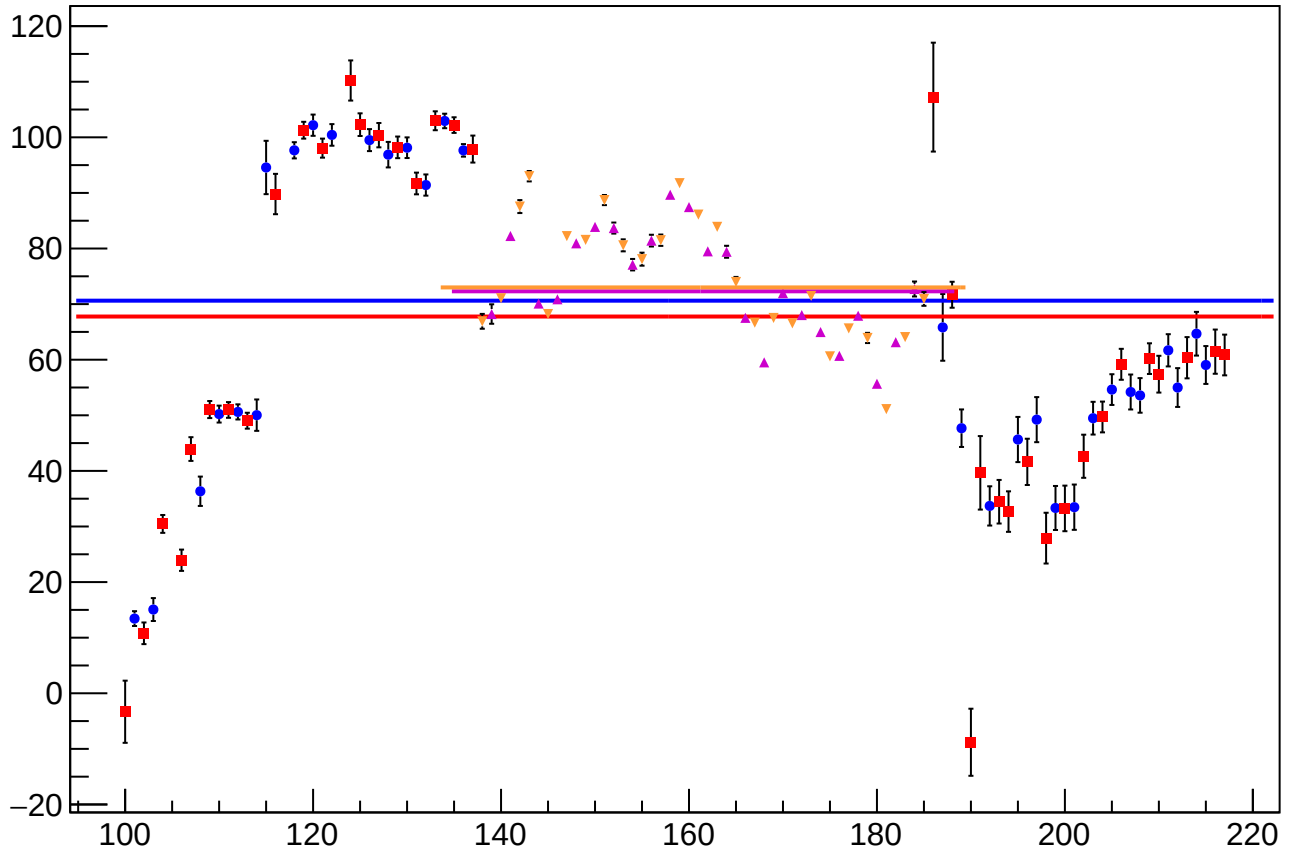
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -49.814+/-0.215 χ^2/NDF: 5110.9/66

In: -34.827+/-0.167 χ^2/NDF:15626.5/53

Out: -34.987+/-0.162 χ^2/NDF:18105.4/60

All: -34.910+/-0.116 χ^2/NDF: 33732.3/114



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: 67.766+/-0.383 χ^2/NDF: 6375.1/35

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

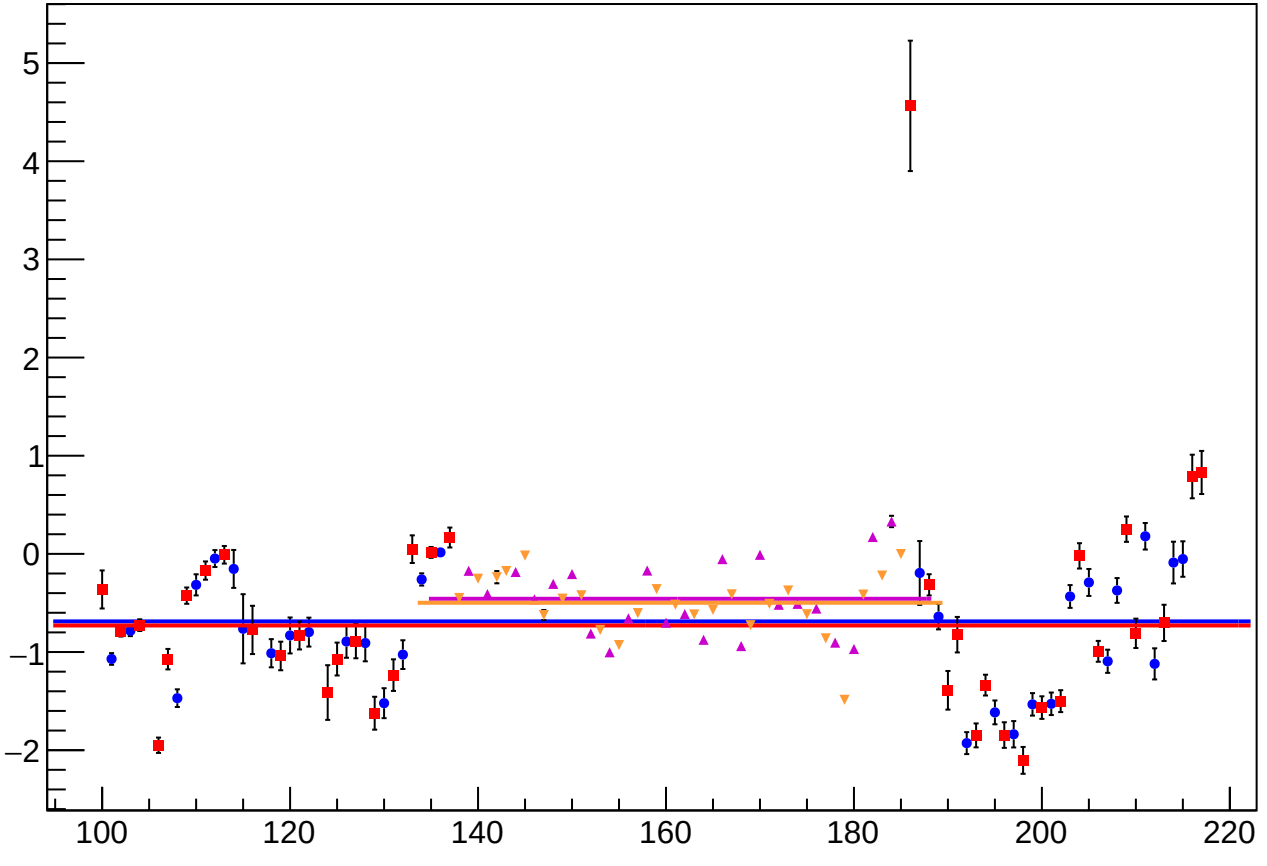
Right: 69.181+/-0.272 χ^2/NDF: 12917.4/66

In: 72.019+/-0.158 χ^2/NDF:9443.2/53

Out: 72.152+/-0.154 χ^2/NDF:10584.3/60

All: 72.087+/-0.110 χ^2/NDF: 20027.9/114

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.729+/-0.018 χ^2/NDF: 1388.8/35

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

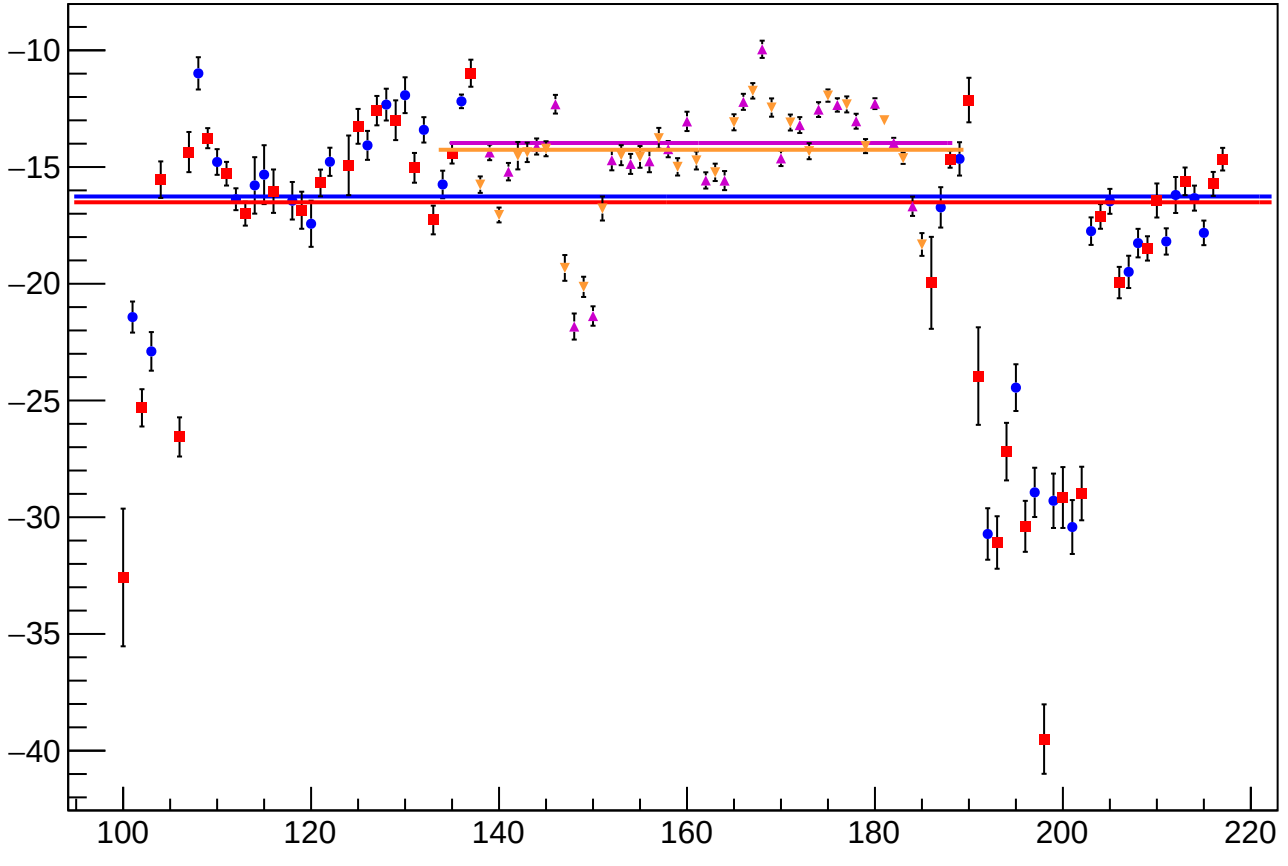
Right: -0.709+/-0.013 χ^2/NDF: 2381.5/66

In: -0.491+/-0.007 χ^2/NDF:3223.1/53

Out: -0.531+/-0.007 χ^2/NDF:3006.0/60

All: -0.511+/-0.005 χ^2/NDF: 6245.5/114

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: -16.510+/-0.112 χ^2/NDF: 1528.9/35

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

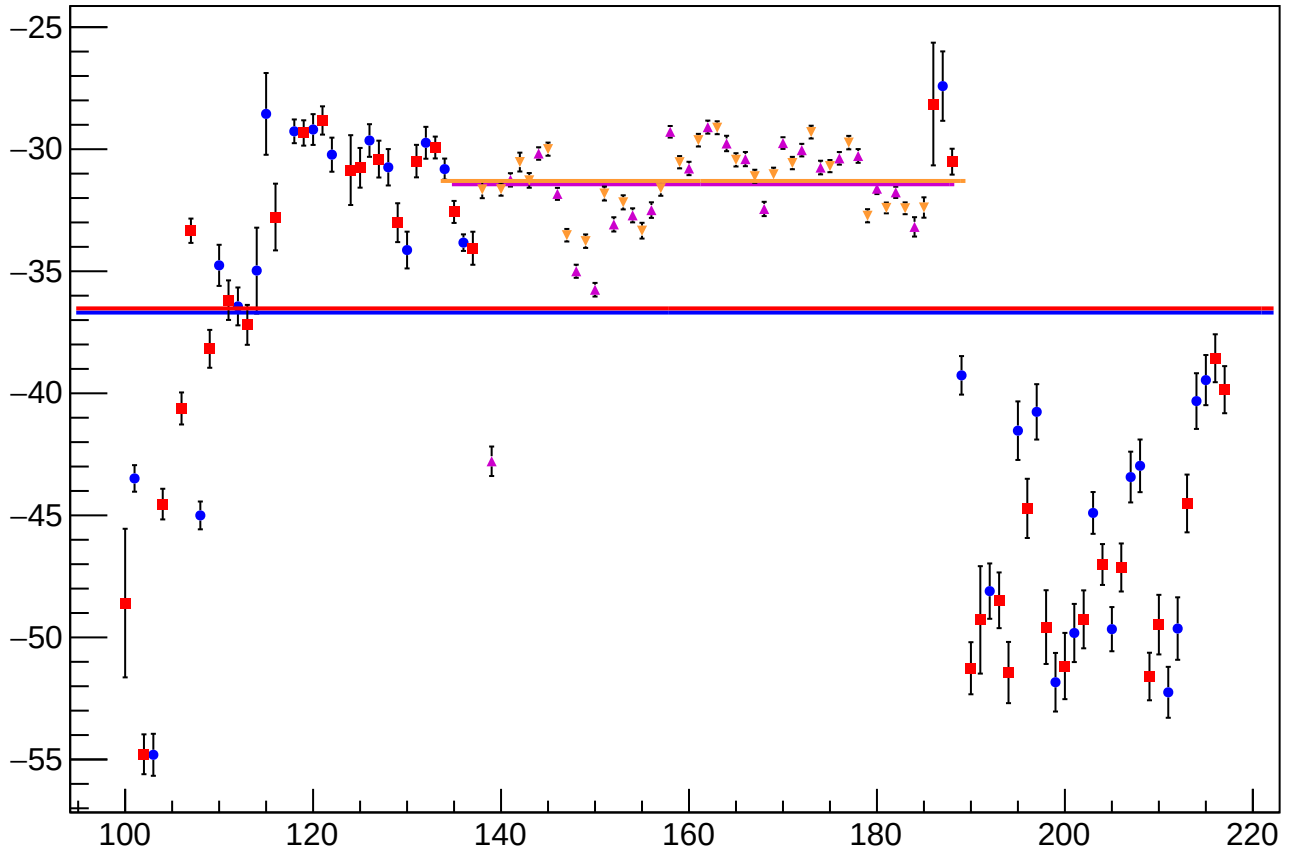
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -16.389+/-0.080 χ^2/NDF: 2754.2/66

In: -14.612+/-0.061 χ^2/NDF:2415.4/53

Out: -14.889+/-0.059 χ^2/NDF:2543.9/60

All: -14.755+/-0.042 χ^2/NDF: 4969.8/114



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: -36.521+/-0.132 χ^2/NDF: 3335.6/35

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

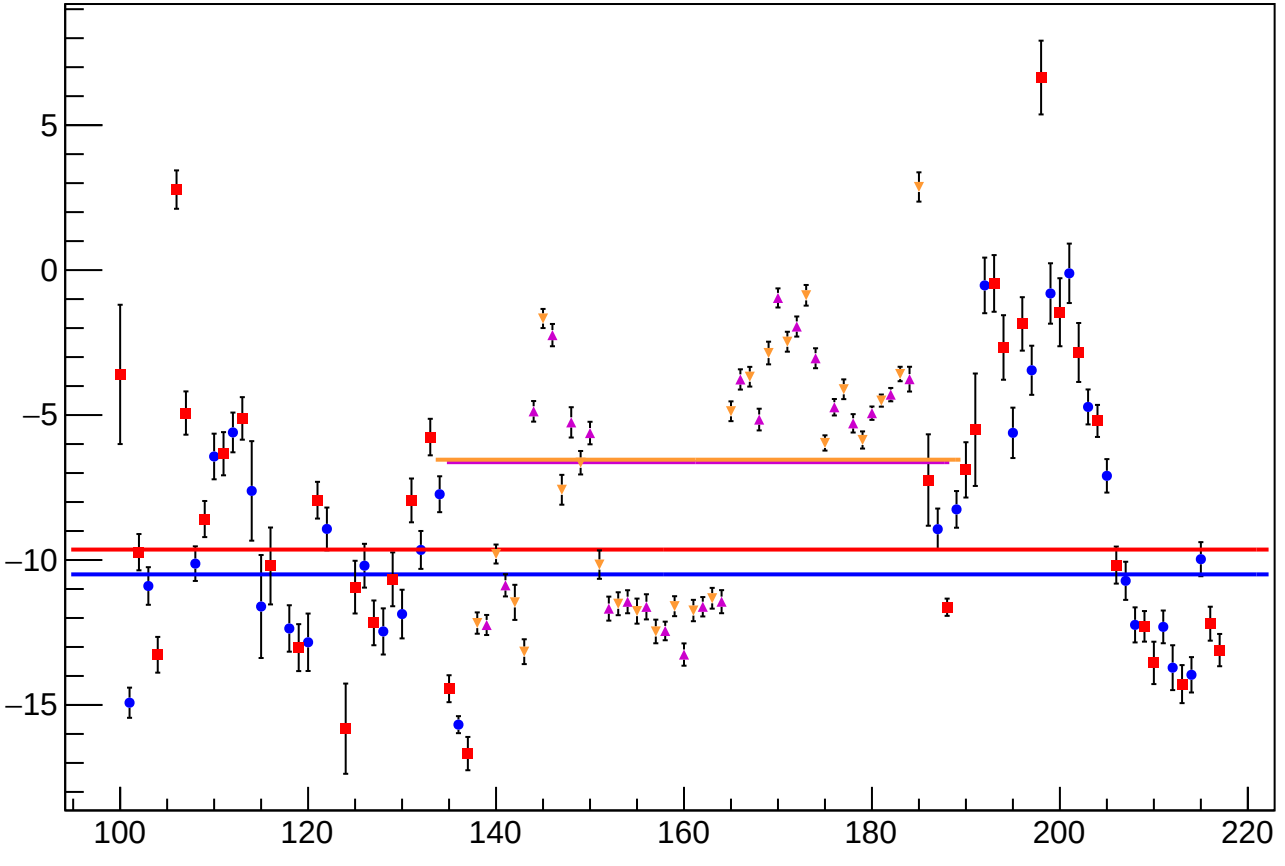
Right: -36.605+/-0.094 χ^2/NDF: 6375.6/66

In: -32.251+/-0.053 χ^2/NDF:5559.5/53

Out: -32.082+/-0.051 χ^2/NDF:5225.6/60

All: -32.164+/-0.037 χ^2/NDF: 10790.4/114

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -9.640+/-0.116 χ^2/NDF: 1590.1/35

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

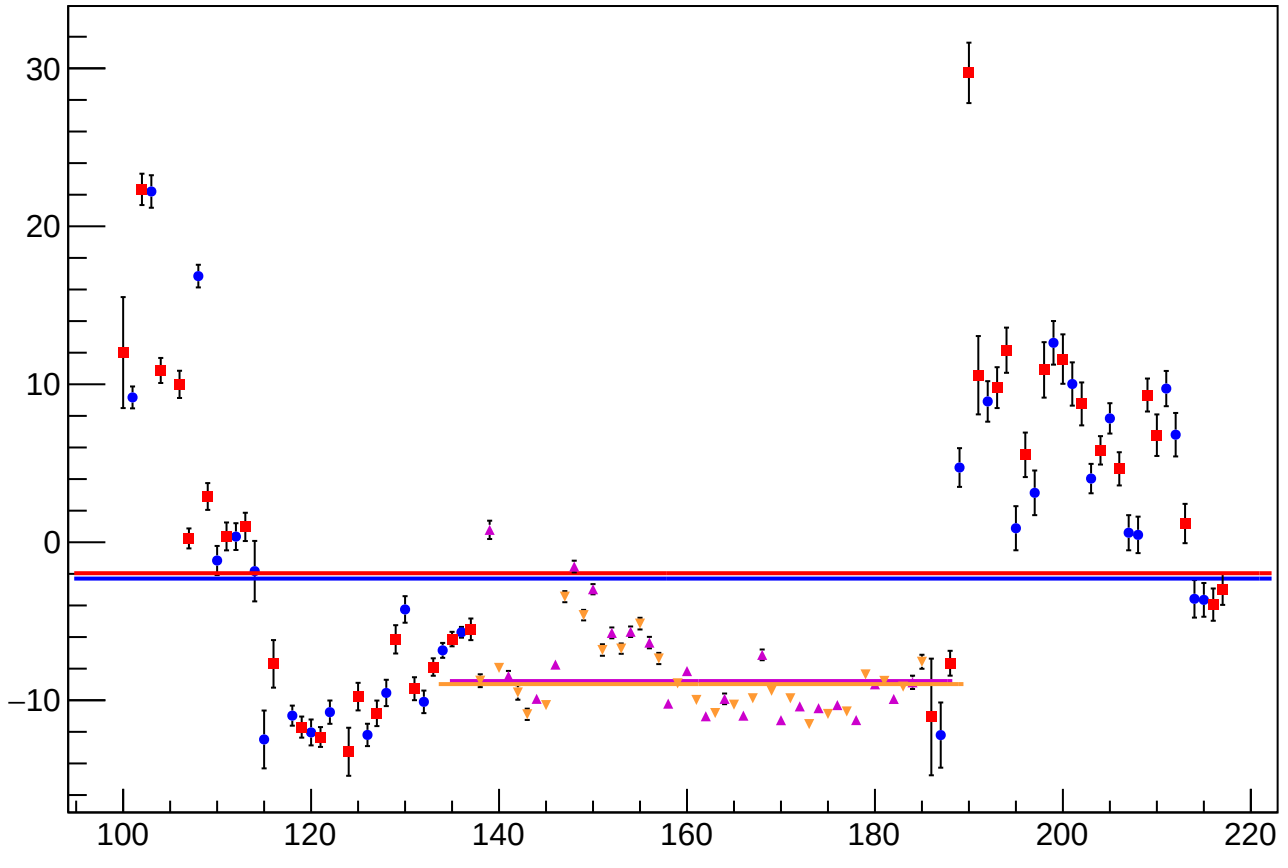
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -10.055+/-0.083 χ^2/NDF: 2739.3/66

In: -7.647+/-0.061 χ^2/NDF:4806.3/53

Out: -7.363+/-0.060 χ^2/NDF:5360.2/60

All: -7.501+/-0.043 χ^2/NDF: 10177.6/114



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: -1.959+/-0.152 χ^2/NDF: 3281.7/35

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

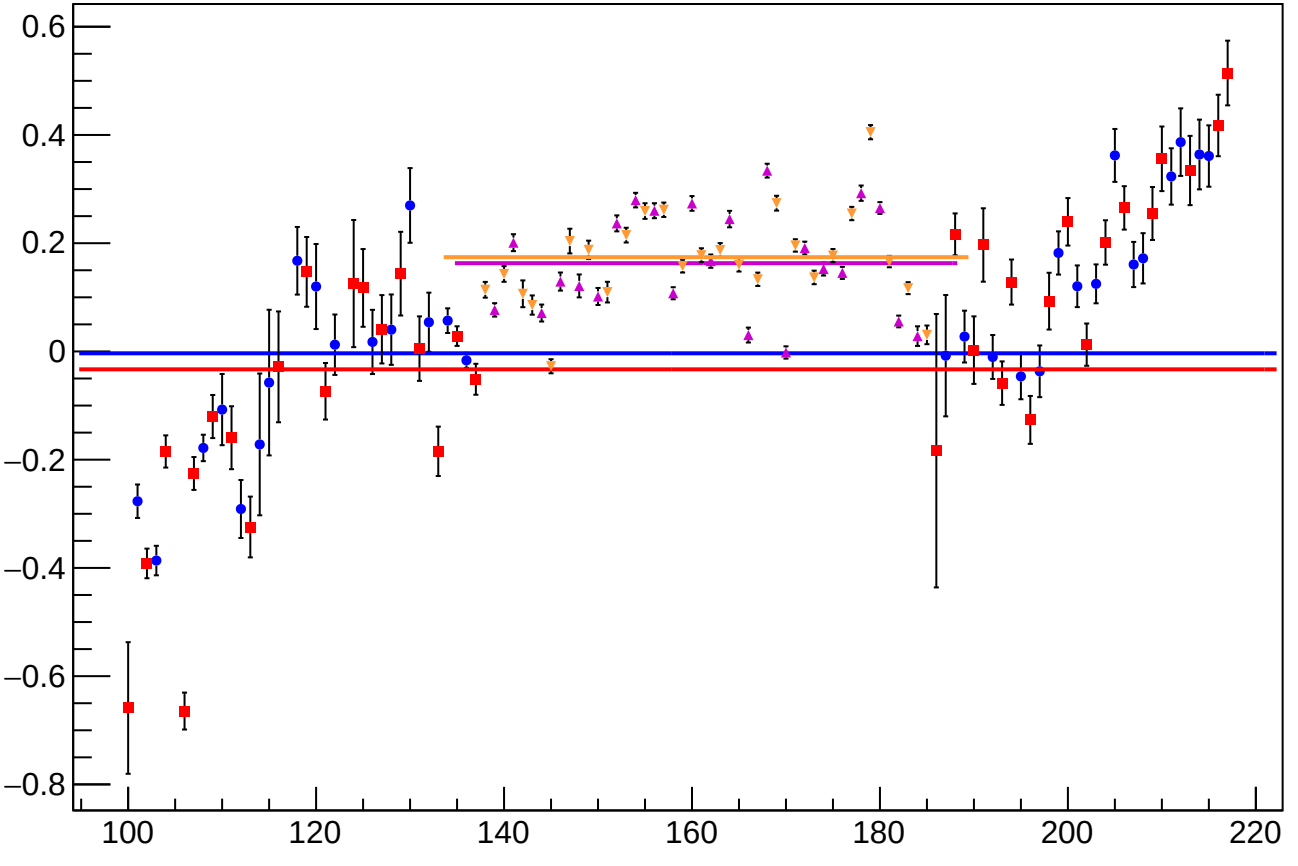
Right: -2.130+/-0.107 χ^2/NDF: 6609.9/66

In: -7.808+/-0.058 χ^2/NDF:6587.0/53

Out: -7.987+/-0.057 χ^2/NDF:6094.4/60

All: -7.900+/-0.041 χ^2/NDF: 12686.3/114

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.033+/-0.007 χ^2/NDF: 1152.3/35

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

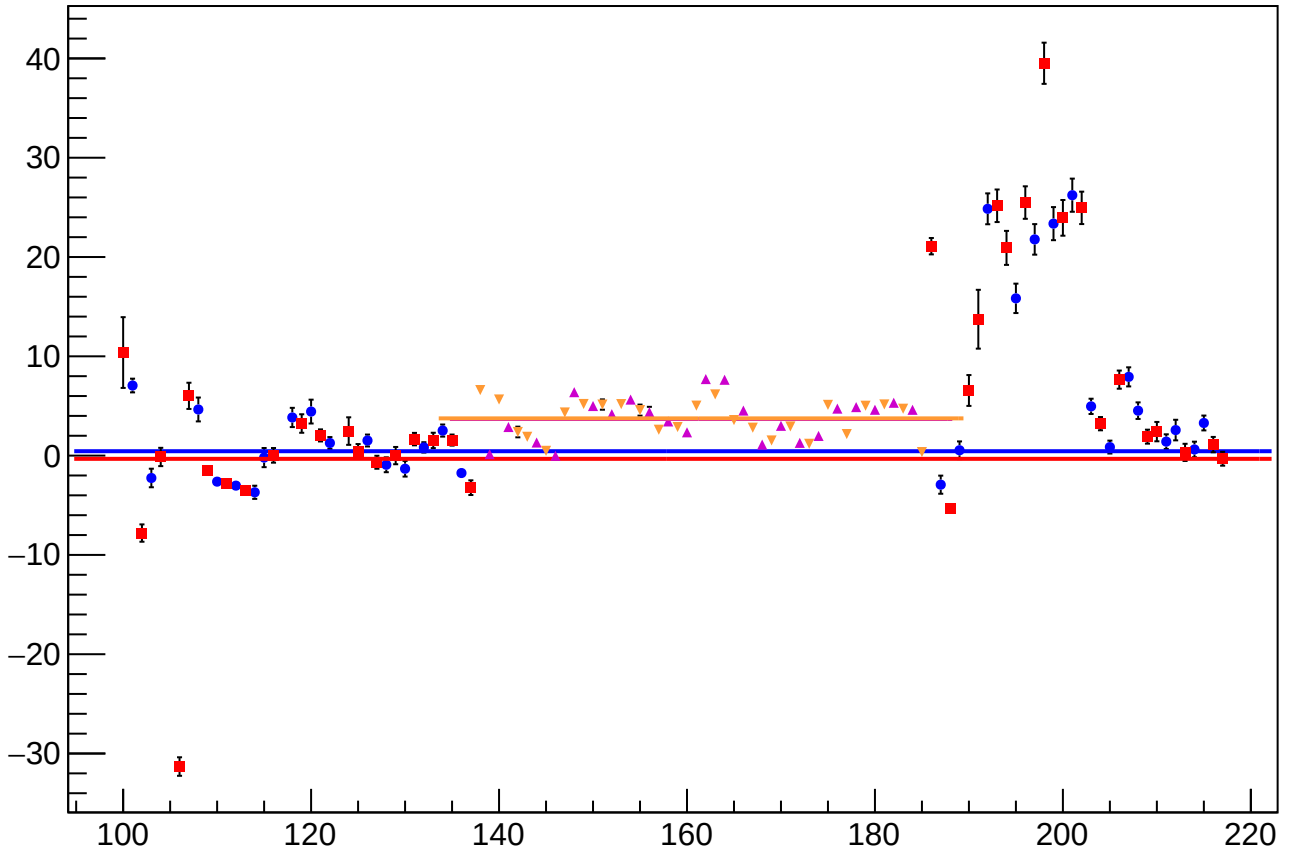
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

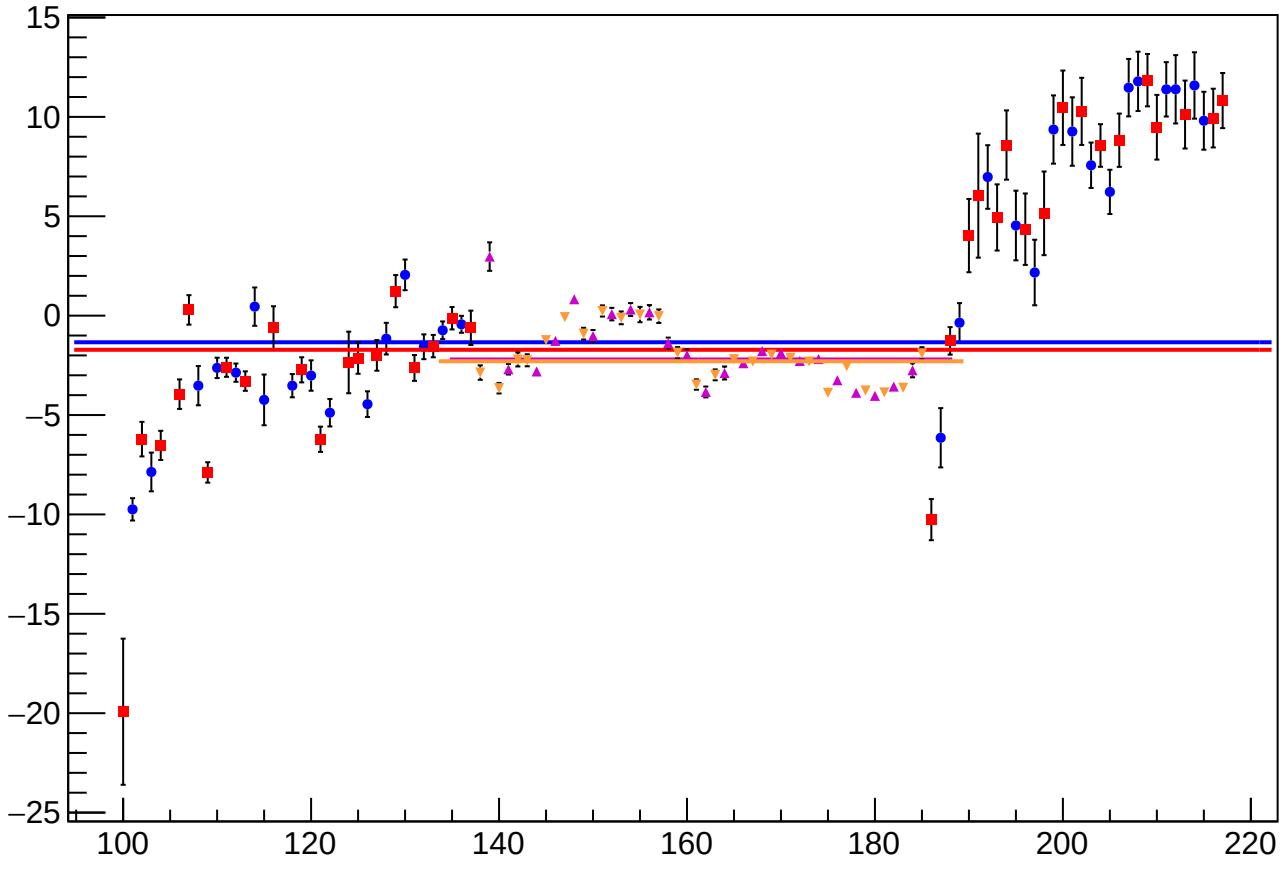
Right: -0.018+/-0.005 χ^2/NDF: 1840.8/66

In: 0.140+/-0.003 χ^2/NDF:2364.9/53

Out: 0.148+/-0.003 χ^2/NDF:2800.2/60

All: 0.144+/-0.002 χ^2/NDF: 5169.6/114


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: 0.444+/-0.119 χ²/NDF: 1604.0/30
Left Out: 3.750+/-0.062 χ²/NDF:809.8/24
Right Out: -0.324+/-0.112 χ²/NDF: 3864.6/35
Left In: 3.688+/-0.064 χ²/NDF:953.3/22
Left: 3.720+/-0.044 χ²/NDF: 1763.6/47
Right: 0.035+/-0.081 χ²/NDF: 5490.8/66
In: 2.960+/-0.056 χ²/NDF:3135.5/53
Out: 2.788+/-0.054 χ²/NDF:5694.4/60
All: 2.871+/-0.039 χ²/NDF: 8834.8/114



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: -1.718+/-0.142 χ^2/NDF: 1097.3/35

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

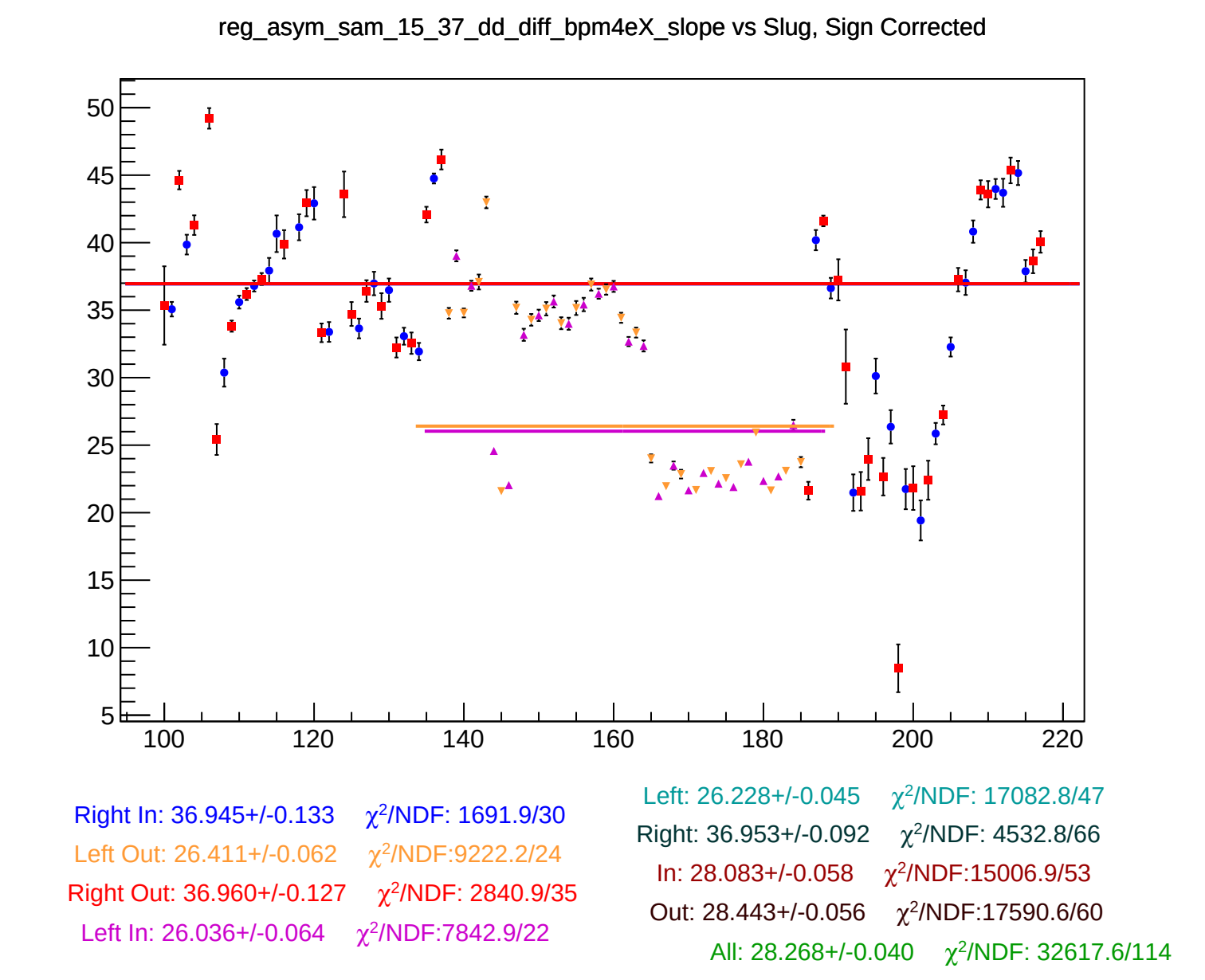
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -1.530+/-0.101 χ^2/NDF: 2147.8/66

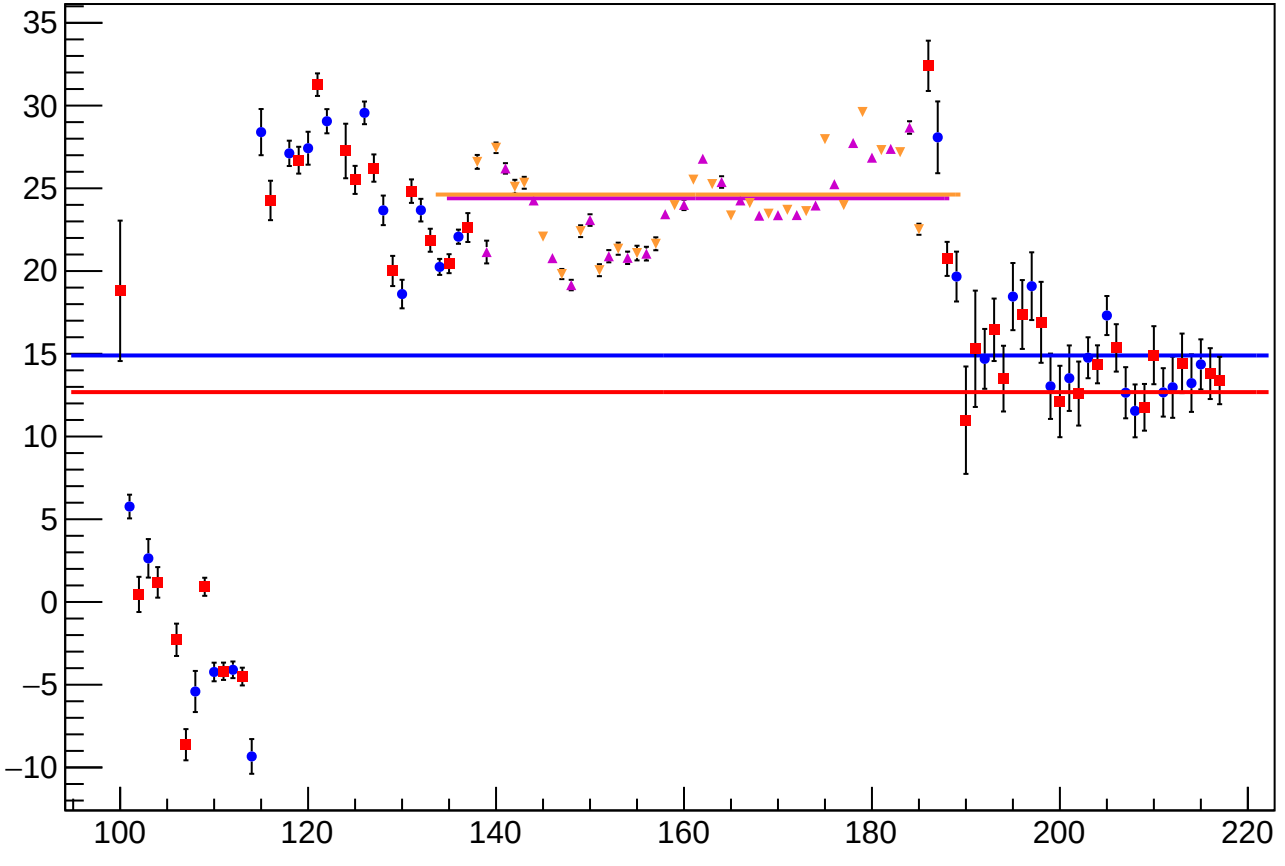
In: -2.108+/-0.048 χ^2/NDF:1803.9/53

Out: -2.232+/-0.047 χ^2/NDF:1743.4/60

All: -2.171+/-0.033 χ^2/NDF: 3550.7/114


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
40
35
30
25
20
15
10
5
100
120
140
160
180
200
220
Right In: 36.945+/-0.133 χ2/NDF: 1691.9/30
Left Out: 26.411+/-0.062 χ2/NDF:9222.2/24
Right Out: 36.960+/-0.127 χ2/NDF: 2840.9/35
Left In: 26.036+/-0.064 χ2/NDF:7842.9/22
Left: 26.228+/-0.045 χ2/NDF: 17082.8/47
Right: 36.953+/-0.092 χ2/NDF: 4532.8/66
In: 28.083+/-0.058 χ2/NDF:15006.9/53
Out: 28.443+/-0.056 χ2/NDF:17590.6/60
All: 28.268+/-0.040 χ2/NDF: 32617.6/114

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: 12.684+/-0.162 χ^2/NDF: 6374.5/35

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

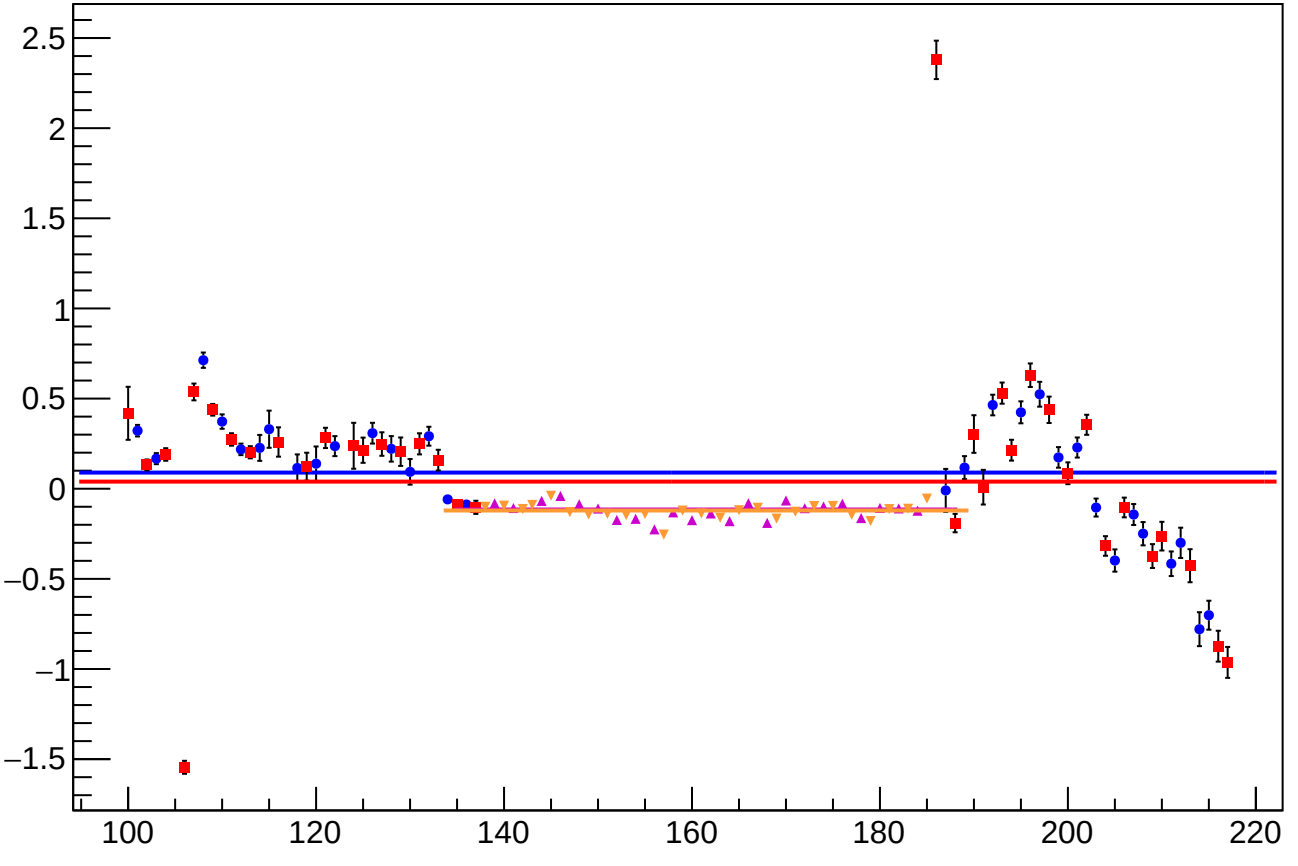
Right: 13.798+/-0.114 χ^2/NDF: 12226.2/66

In: 23.353+/-0.053 χ^2/NDF:10583.9/53

Out: 23.379+/-0.052 χ^2/NDF:13209.5/60

All: 23.366+/-0.037 χ^2/NDF: 23793.5/114

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: 0.039+/-0.008 χ^2/NDF: 3526.9/35

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

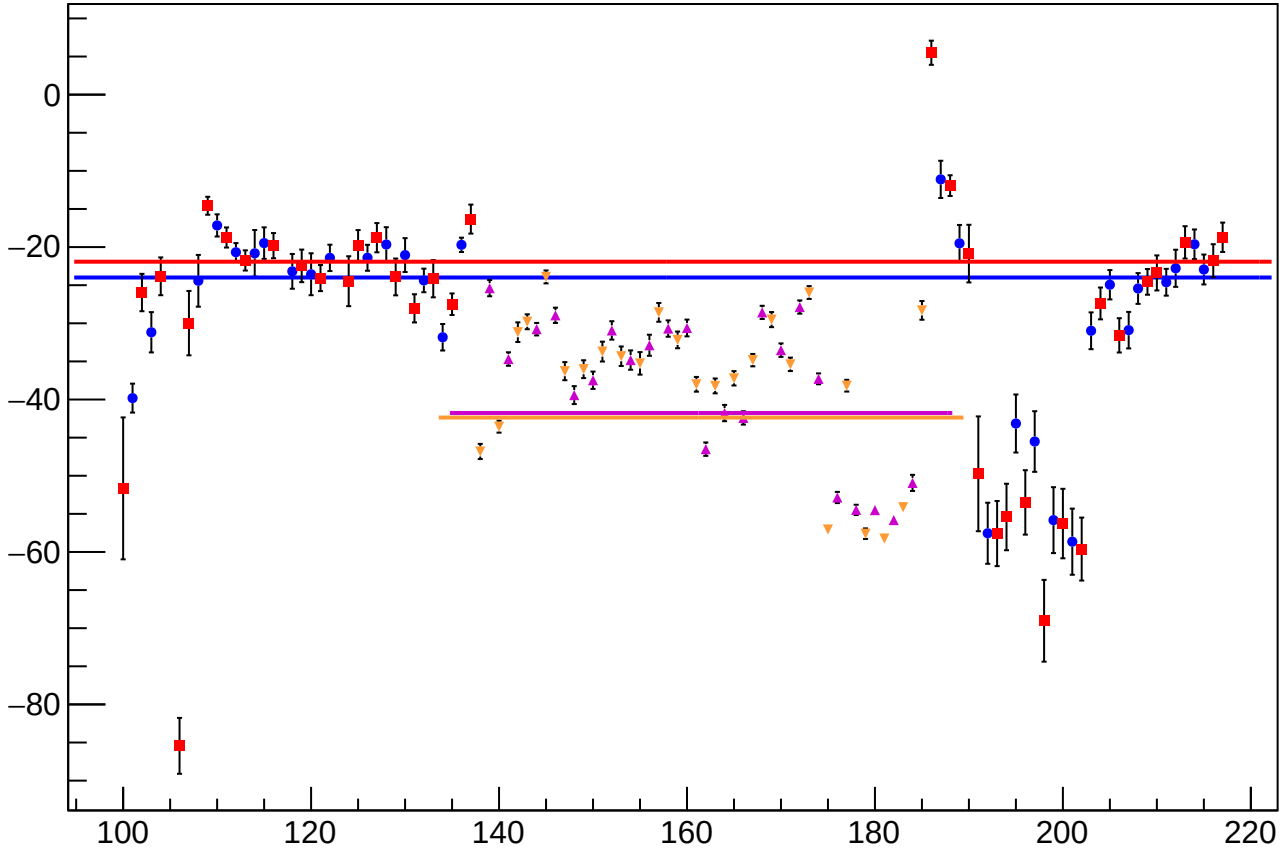
Right: 0.065+/-0.006 χ^2/NDF: 4579.4/66

In: -0.098+/-0.002 χ^2/NDF:1894.9/53

Out: -0.108+/-0.002 χ^2/NDF:4125.3/60

All: -0.103+/-0.002 χ^2/NDF: 6029.6/114

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.991+/-0.358 χ^2/NDF: 460.8/30

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.918+/-0.347 χ^2/NDF: 1207.0/35

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

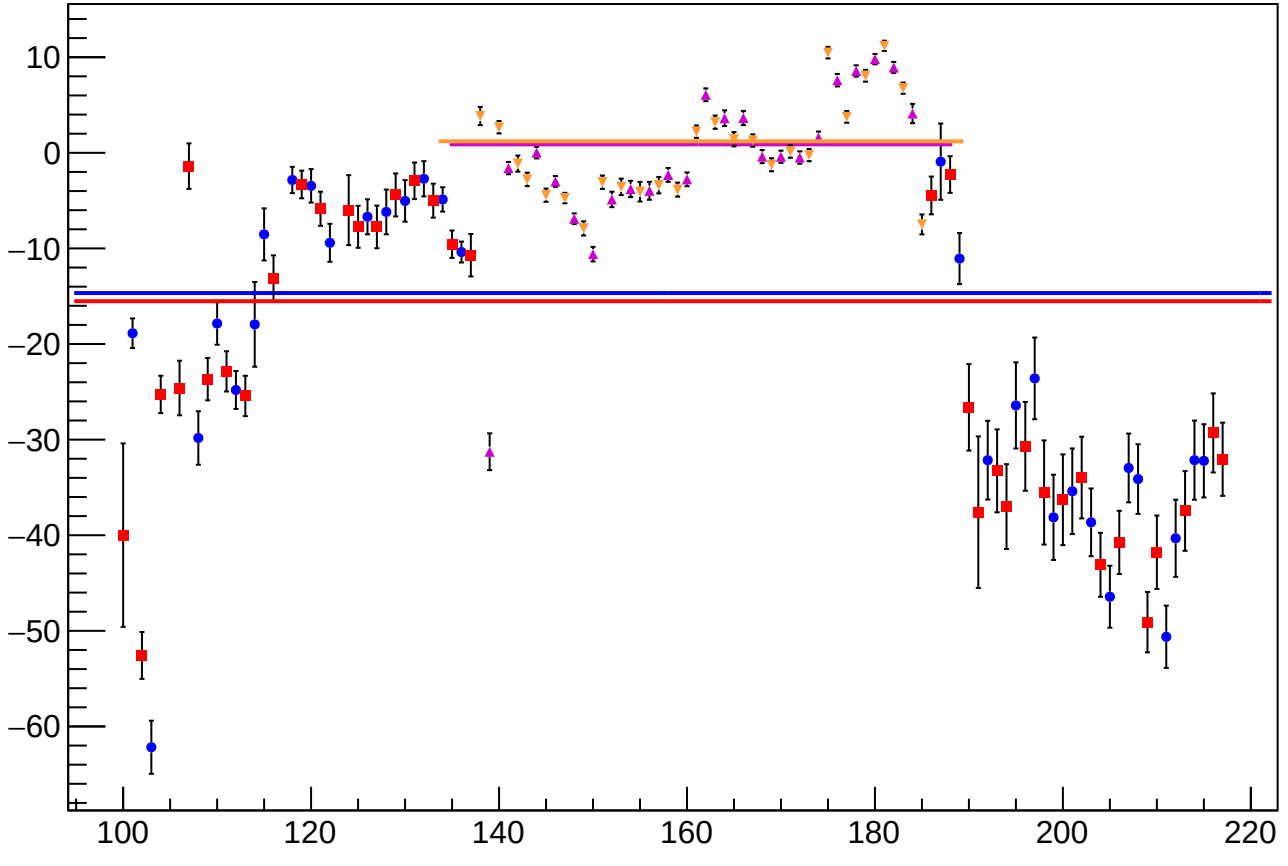
Right: -22.924+/-0.249 χ^2/NDF: 1685.1/66

In: -38.119+/-0.162 χ^2/NDF:5881.8/53

Out: -38.220+/-0.156 χ^2/NDF:8446.0/60

All: -38.171+/-0.113 χ^2/NDF: 14328.0/114

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -15.520+/-0.418 χ^2/NDF: 1149.4/35

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

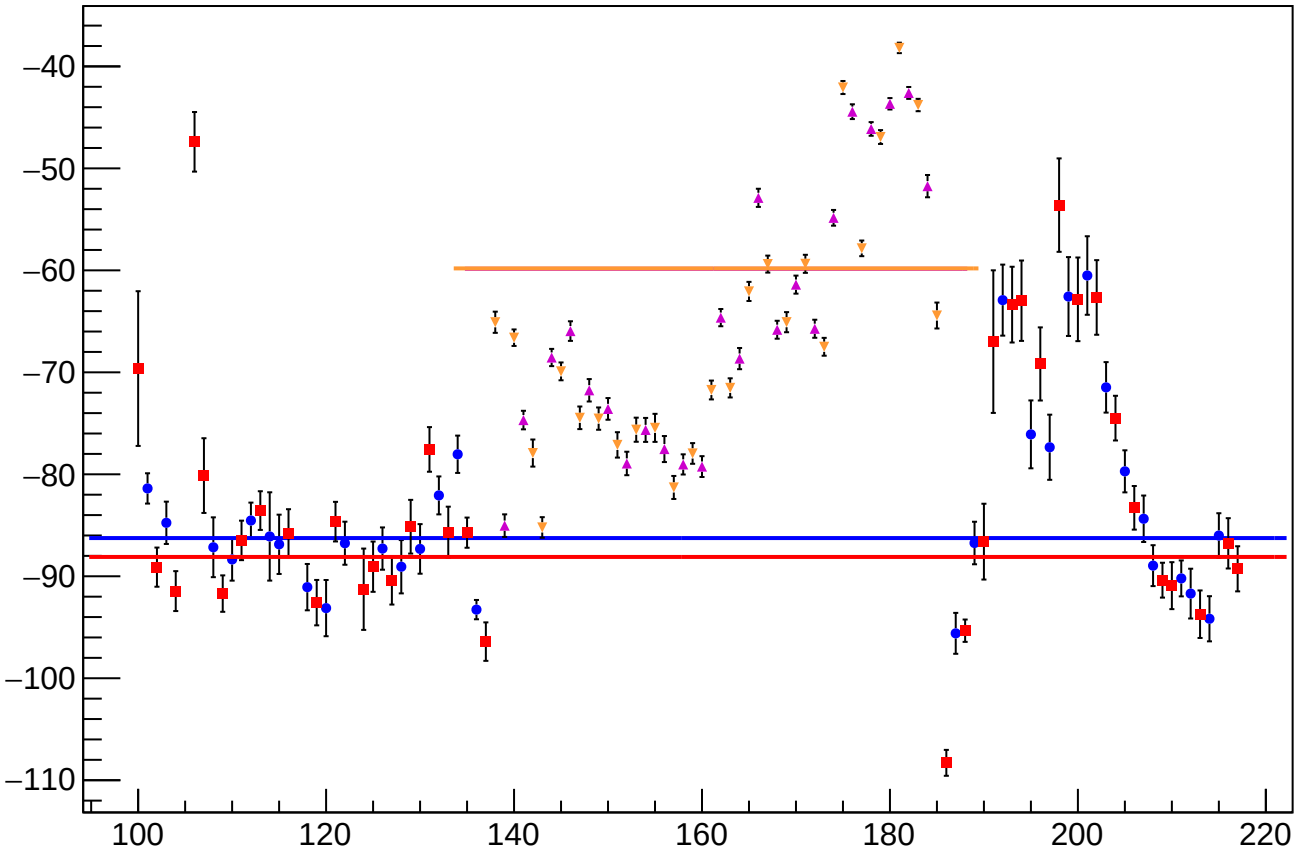
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -15.086+/-0.293 χ^2/NDF: 2294.5/66

In: -0.795+/-0.135 χ^2/NDF:4188.8/53

Out: -0.446+/-0.131 χ^2/NDF:4057.8/60

All: -0.615+/-0.094 χ^2/NDF: 8250.0/114



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: -88.104+/-0.369 χ^2/NDF: 890.4/35

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

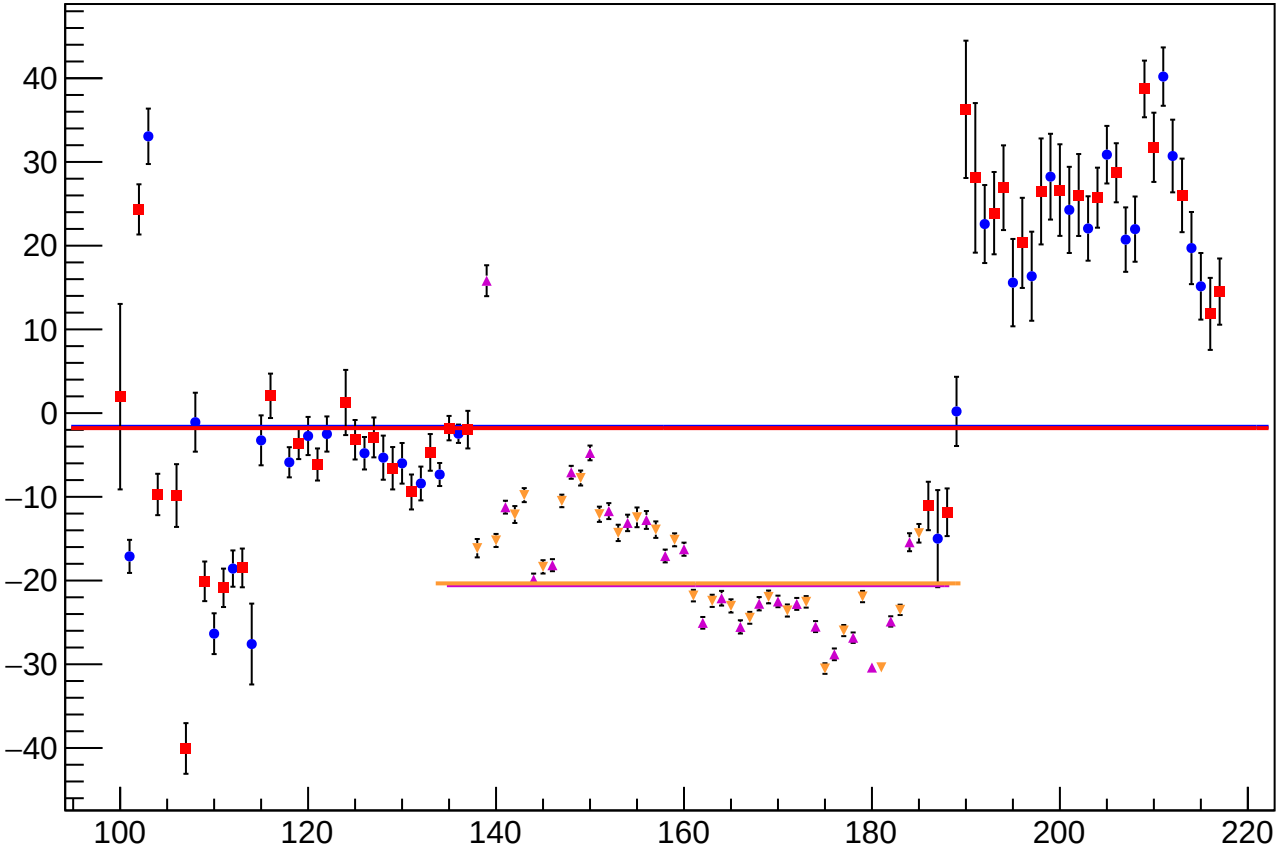
Right: -87.205+/-0.264 χ^2/NDF: 1245.5/66

In: -64.749+/-0.163 χ^2/NDF:9826.4/53

Out: -65.028+/-0.158 χ^2/NDF:12340.9/60

All: -64.893+/-0.114 χ^2/NDF: 22168.9/114

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.636+/-0.461 χ^2/NDF: 960.8/30

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -1.795+/-0.479 χ^2/NDF: 1081.1/35

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

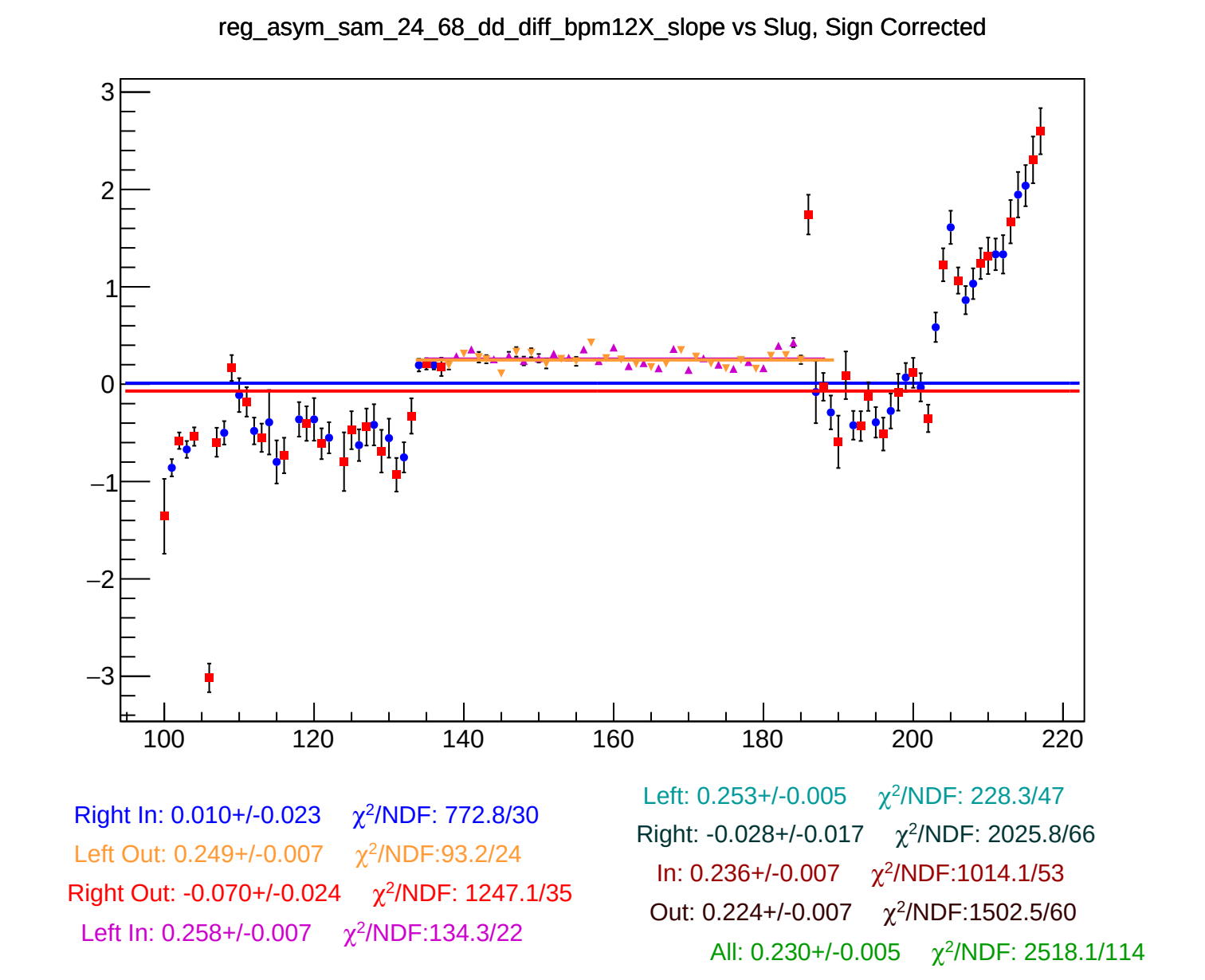
Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

Right: -1.713+/-0.332 χ^2/NDF: 2042.0/66

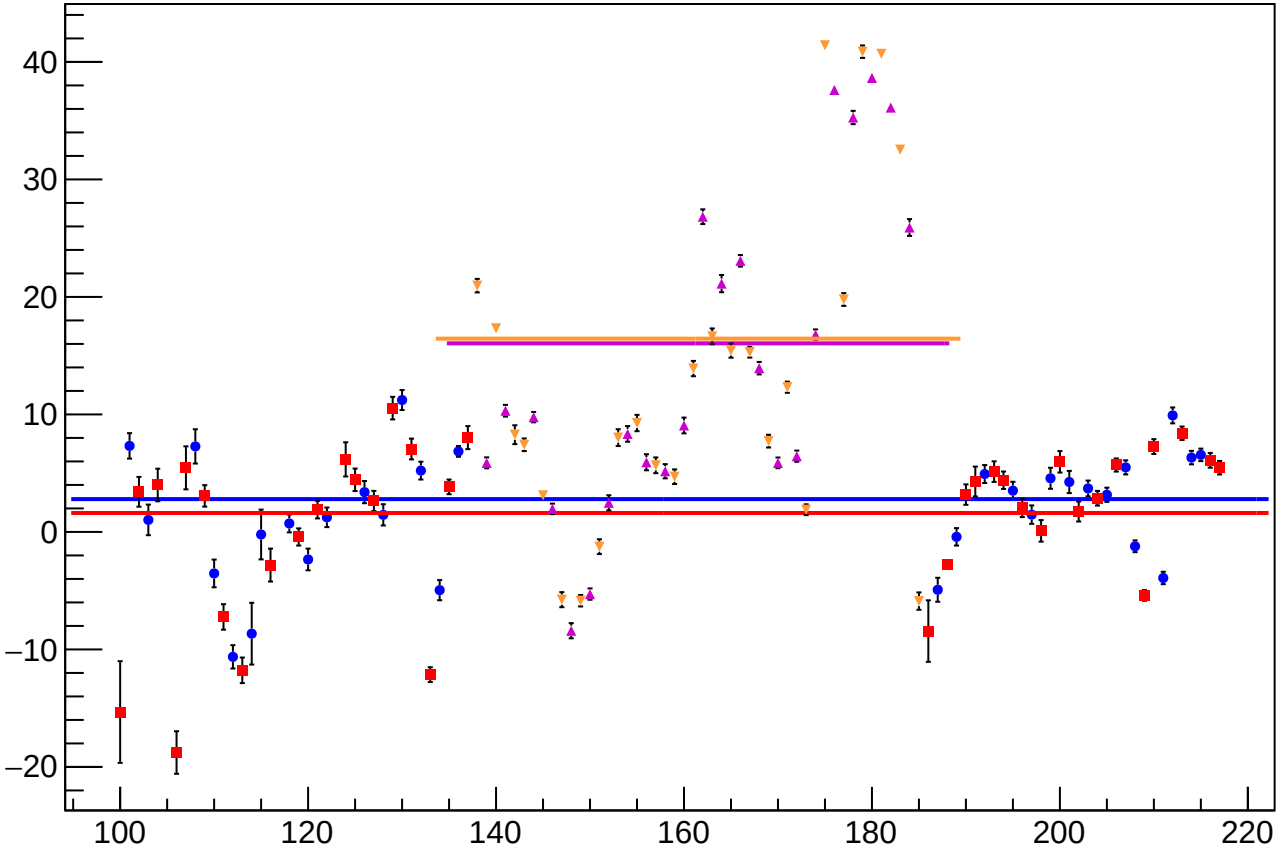
In: -18.534+/-0.151 χ^2/NDF:4656.3/53

Out: -18.586+/-0.147 χ^2/NDF:4141.9/60

All: -18.561+/-0.105 χ^2/NDF: 8798.3/114


reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected
3
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: -0.070+/-0.024 χ²/NDF: 1247.1/35
Left In: 0.258+/-0.007 χ²/NDF:134.3/22
Left: 0.253+/-0.005 χ²/NDF: 228.3/47
Right: -0.028+/-0.017 χ²/NDF: 2025.8/66
In: 0.236+/-0.007 χ²/NDF:1014.1/53
Out: 0.224+/-0.007 χ²/NDF:1502.5/60
All: 0.230+/-0.005 χ²/NDF: 2518.1/114

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: 1.614+/-0.129 χ^2/NDF: 1888.3/35

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

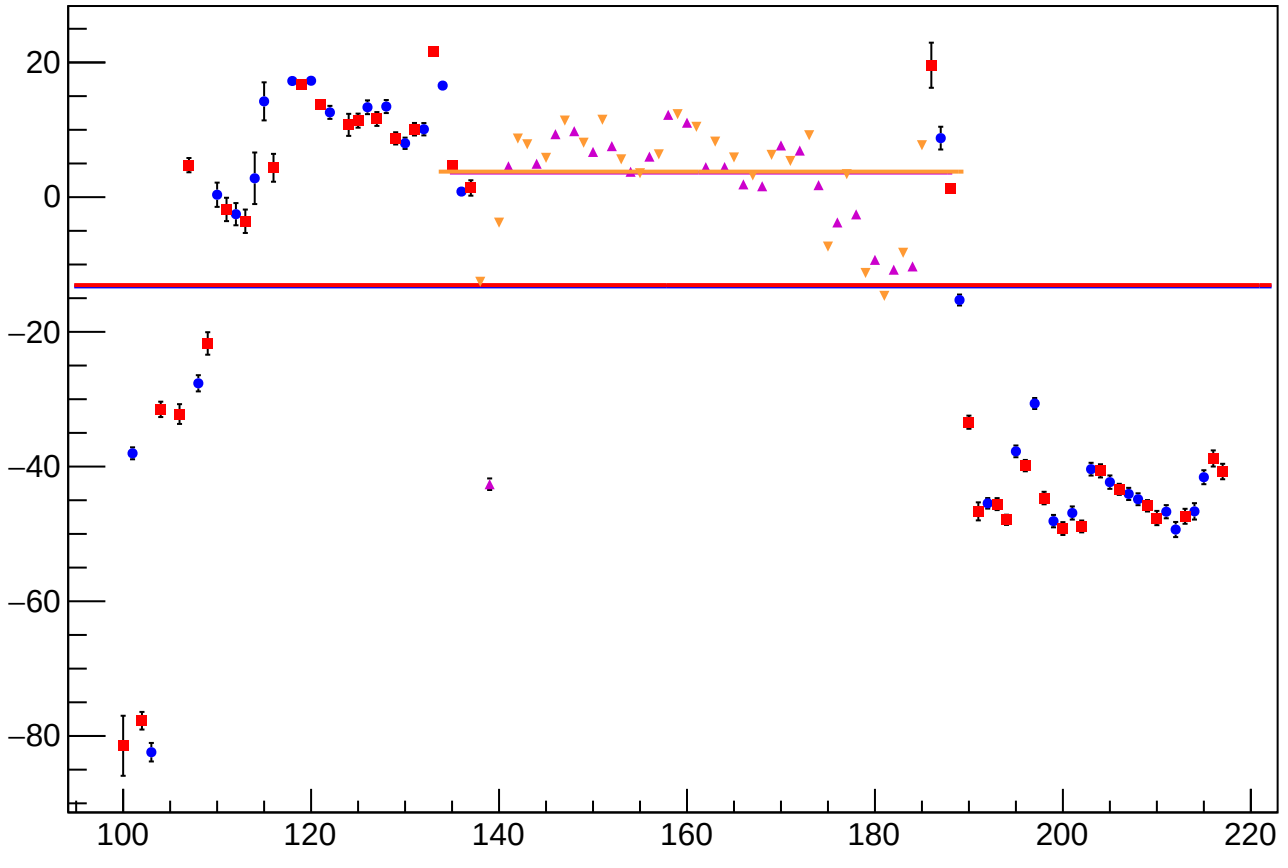
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 2.175+/-0.094 χ^2/NDF: 3042.0/66

In: 10.960+/-0.084 χ^2/NDF:24608.6/53

Out: 10.630+/-0.081 χ^2/NDF:31268.3/60

All: 10.789+/-0.058 χ^2/NDF: 55884.9/114



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: -13.057+/-0.152 χ^2/NDF: 35272.9/35

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

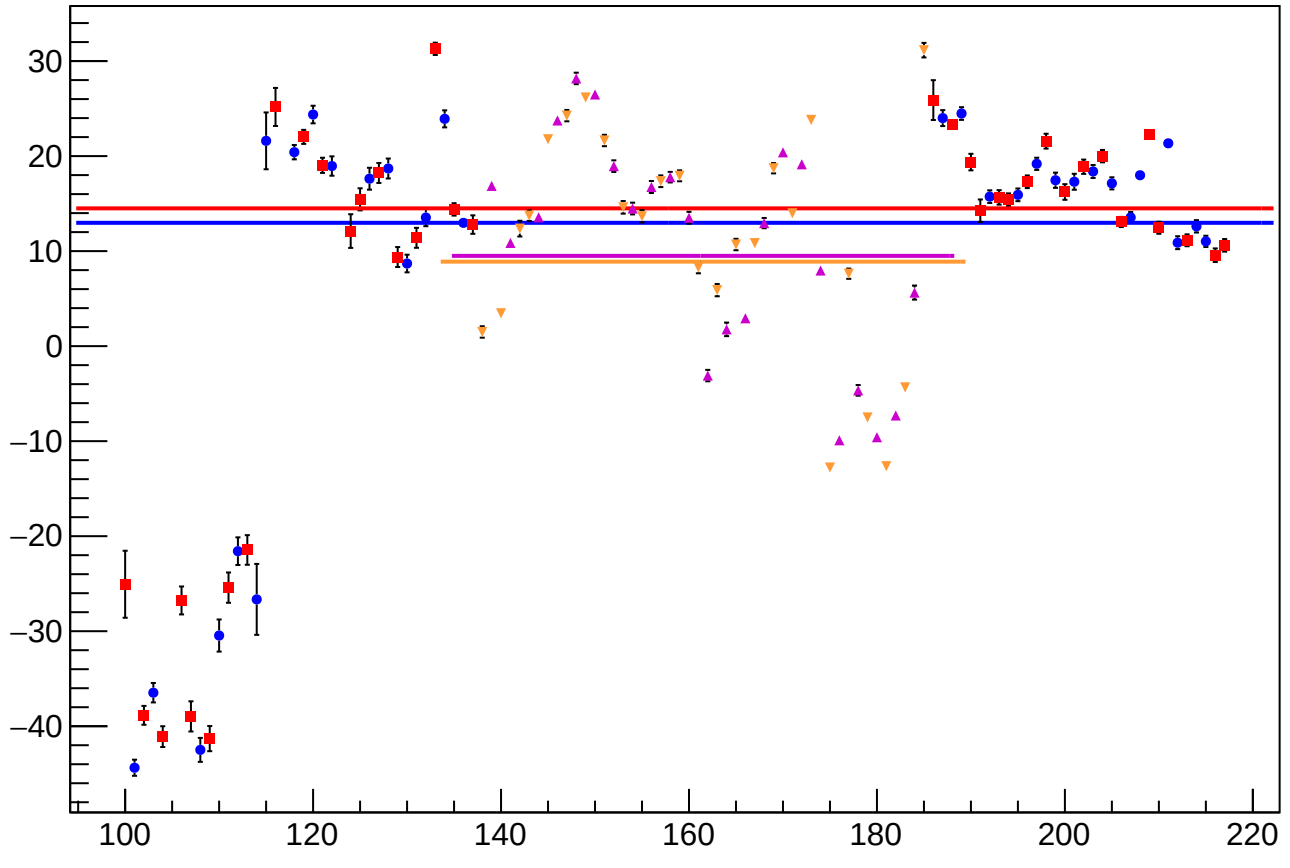
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -13.150+/-0.110 χ^2/NDF: 65954.0/66

In: 0.050+/-0.074 χ^2/NDF:47829.1/53

Out: 0.148+/-0.071 χ^2/NDF:53939.3/60

All: 0.101+/-0.051 χ^2/NDF: 101769.3/114



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: 14.499+/-0.128 χ^2/NDF: 12873.2/35

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

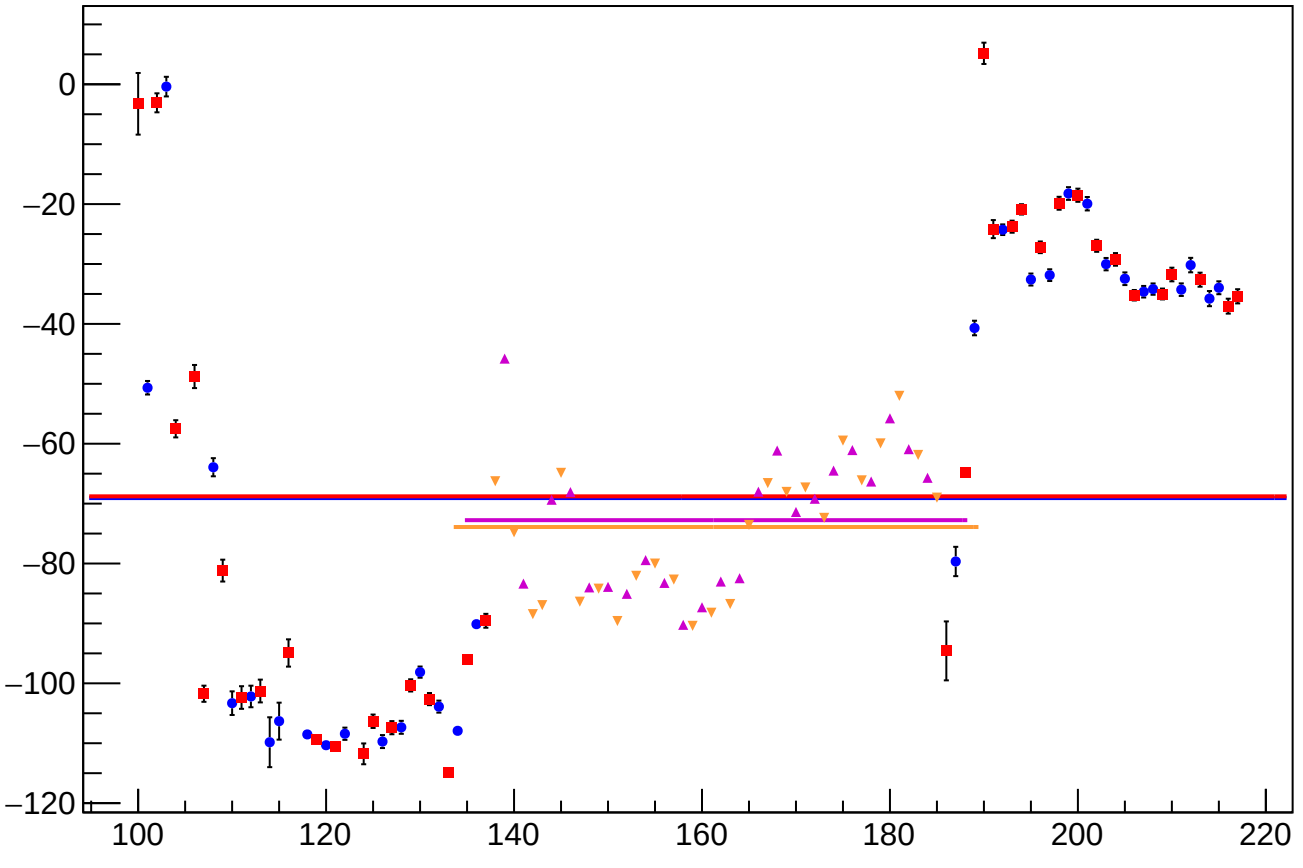
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.788+/-0.093 χ^2/NDF: 24760.4/66

In: 10.821+/-0.084 χ^2/NDF:25267.0/53

Out: 11.123+/-0.080 χ^2/NDF:29463.8/60

All: 10.978+/-0.058 χ^2/NDF: 54737.5/114



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: -68.785+/-0.177 χ^2/NDF: 47482.6/35

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

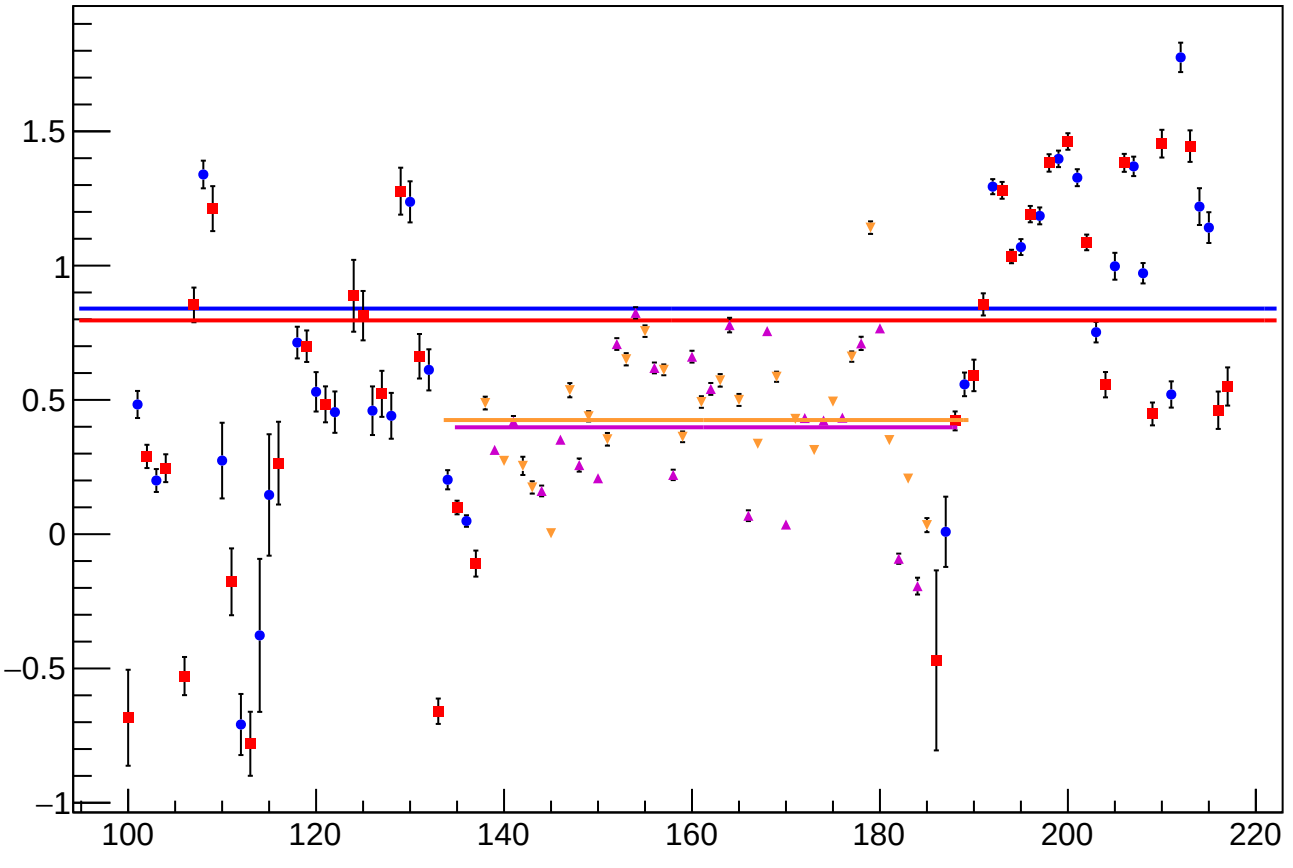
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -68.926+/-0.127 χ^2/NDF: 87777.8/66

In: -71.998+/-0.083 χ^2/NDF:53230.3/53

Out: -72.846+/-0.081 χ^2/NDF:63713.4/60

All: -72.435+/-0.058 χ^2/NDF: 116997.5/114



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: 0.796+/-0.008 χ^2/NDF: 5311.6/35

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

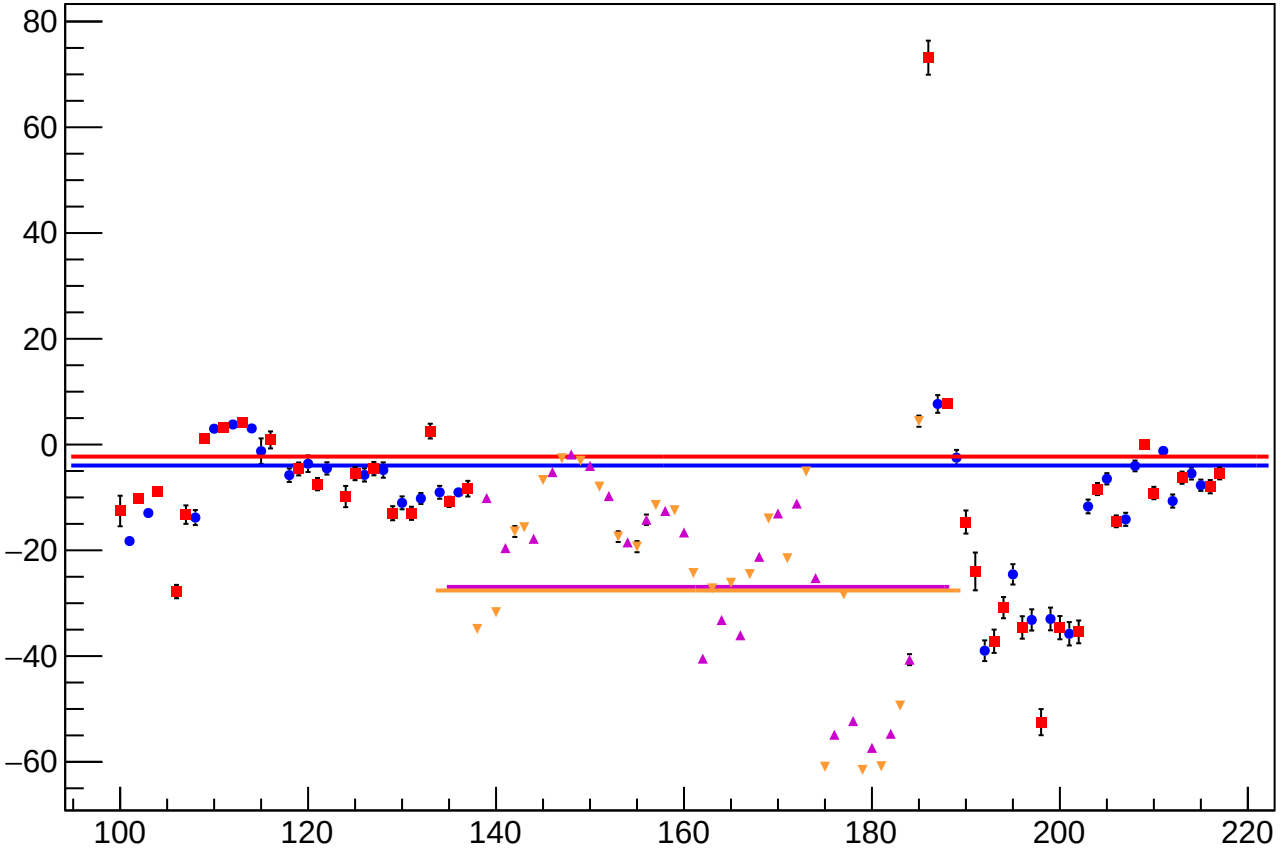
Right: 0.817+/-0.006 χ^2/NDF: 9446.0/66

In: 0.490+/-0.004 χ^2/NDF:10791.3/53

Out: 0.505+/-0.004 χ^2/NDF:10155.5/60

All: 0.498+/-0.003 χ^2/NDF: 20954.9/114

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: -2.278+/-0.152 χ^2/NDF: 4105.6/35

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

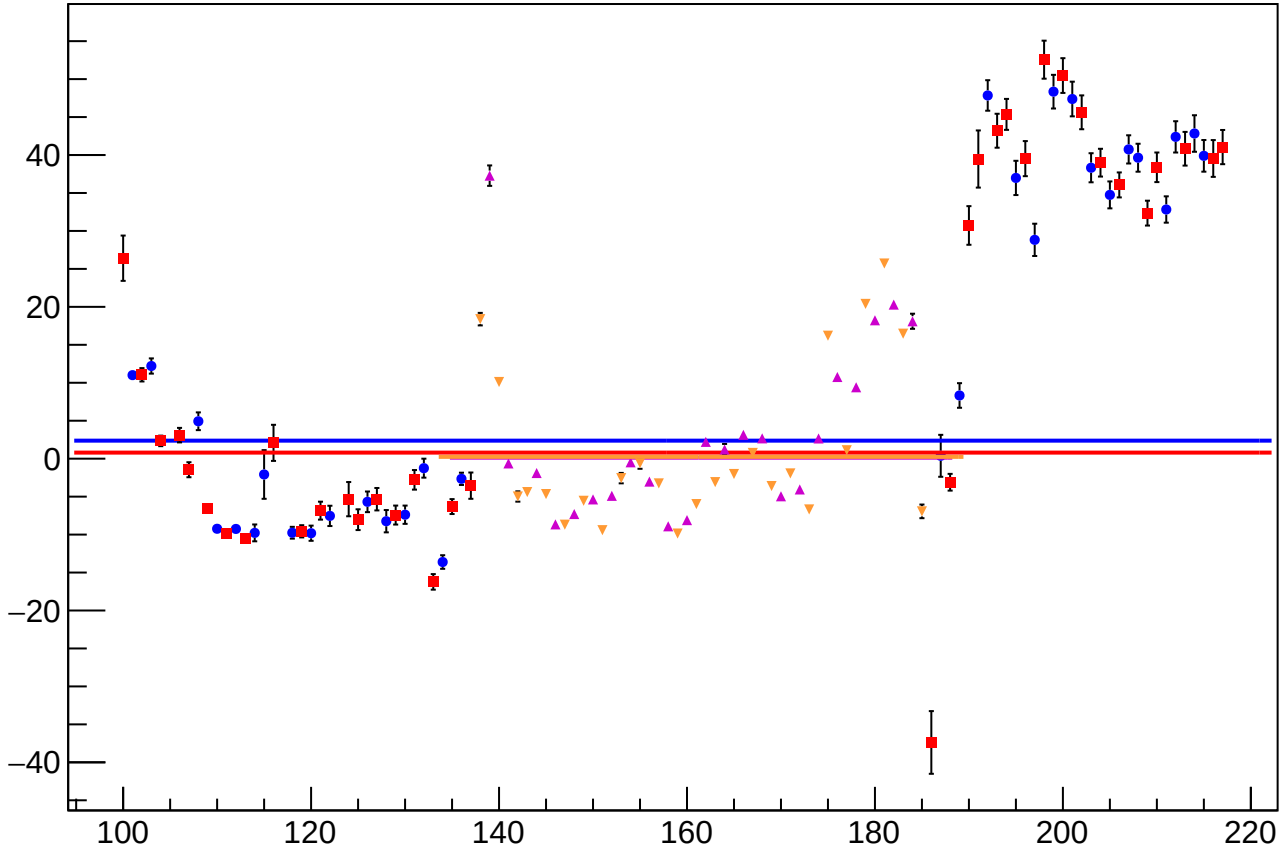
Right: -3.038+/-0.112 χ^2/NDF: 6985.0/66

In: -16.757+/-0.111 χ^2/NDF:28835.3/53

Out: -15.557+/-0.105 χ^2/NDF:38500.6/60

All: -16.119+/-0.076 χ^2/NDF: 67397.7/114

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: 0.799+/-0.200 χ^2/NDF: 7014.5/35

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

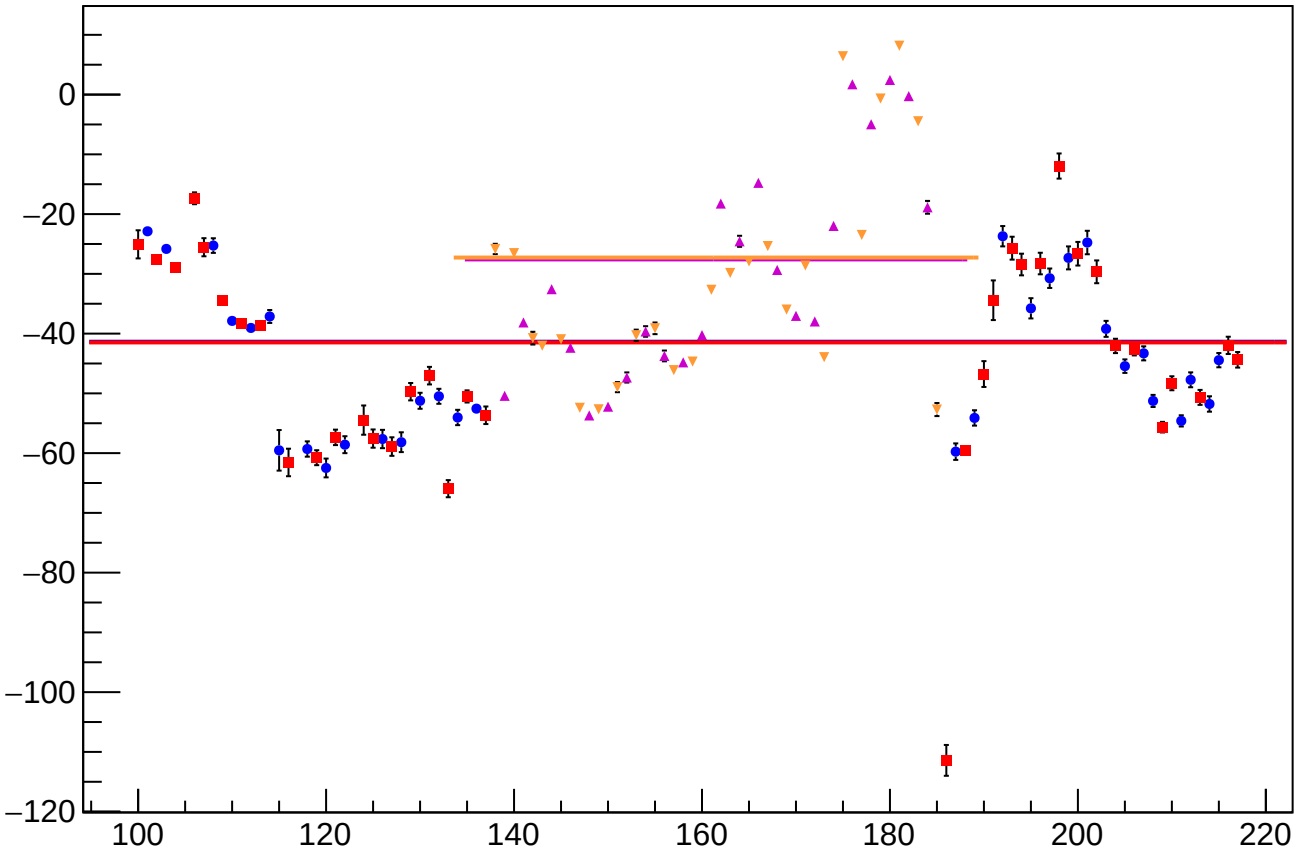
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: 1.559+/-0.144 χ^2/NDF: 13765.7/66

In: 0.657+/-0.100 χ^2/NDF:12648.7/53

Out: 0.369+/-0.097 χ^2/NDF:15056.1/60

All: 0.508+/-0.070 χ^2/NDF: 27709.1/114



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: -41.474+/-0.177 χ^2/NDF: 5358.0/35

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

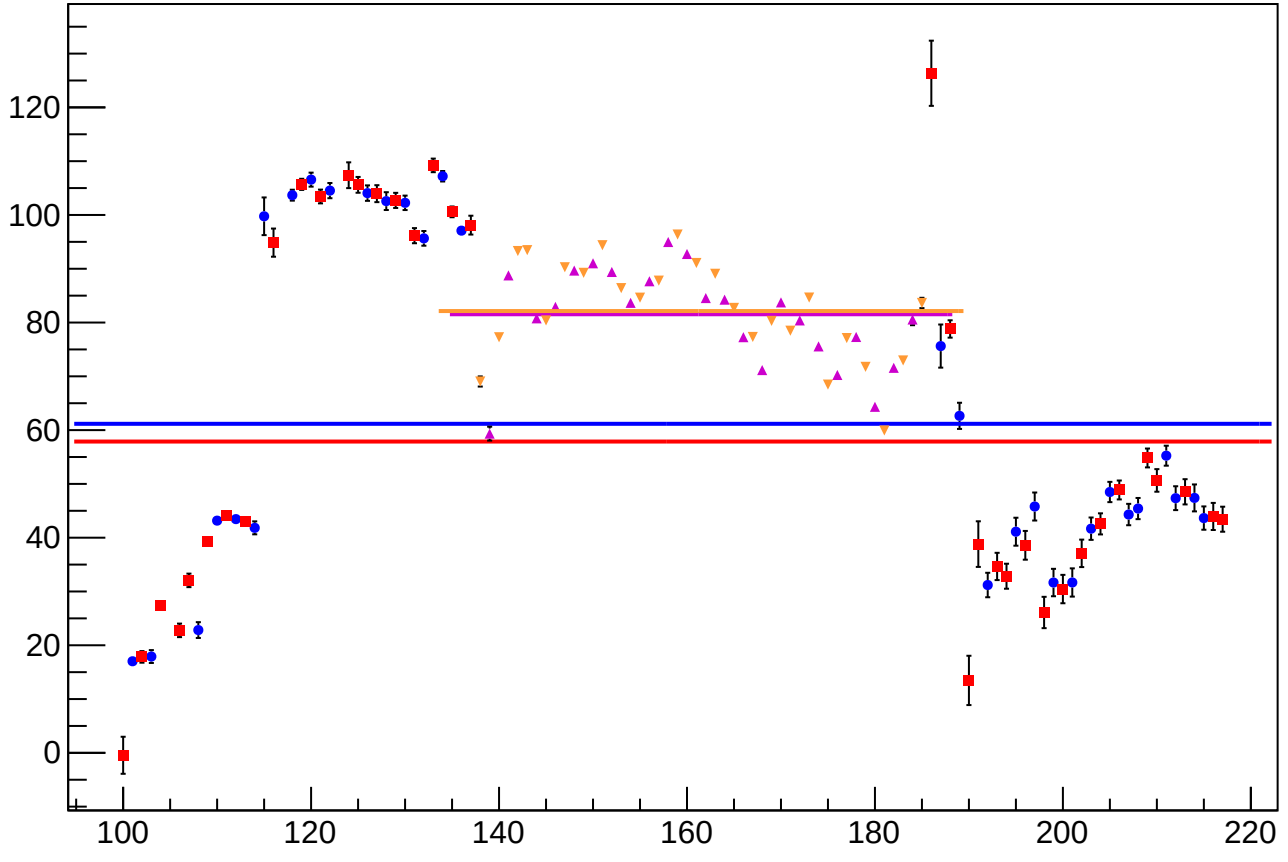
Right: -41.419+/-0.128 χ^2/NDF: 9363.2/66

In: -32.889+/-0.116 χ^2/NDF:22981.2/53

Out: -32.941+/-0.112 χ^2/NDF:27774.6/60

All: -32.916+/-0.080 χ^2/NDF: 50755.9/114

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: 57.876+/-0.228 χ^2/NDF: 18633.8/35

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

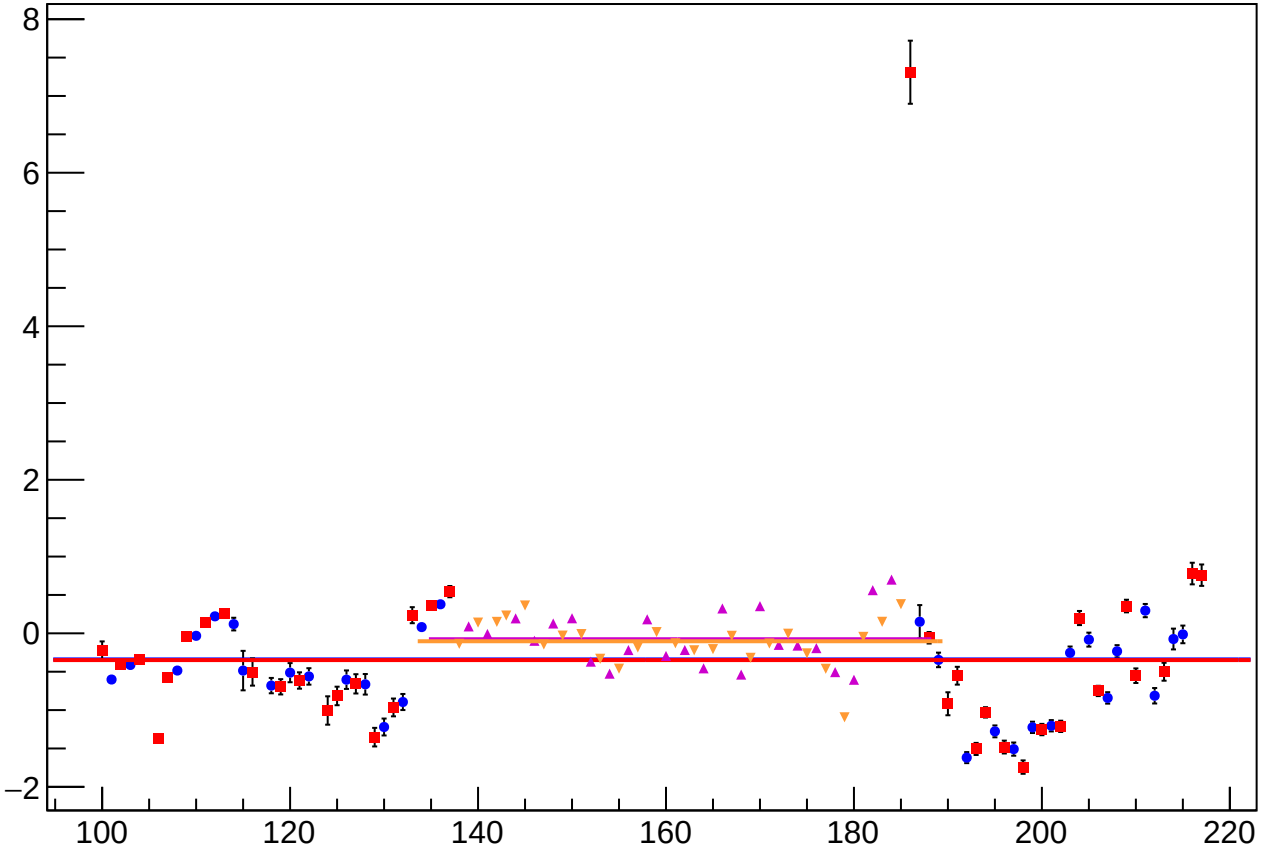
Right: 59.469+/-0.164 χ^2/NDF: 38425.0/66

In: 76.849+/-0.113 χ^2/NDF:29476.9/53

Out: 76.545+/-0.109 χ^2/NDF:32720.0/60

All: 76.692+/-0.079 χ^2/NDF: 62200.6/114

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: -0.348+/-0.011 χ^2/NDF: 3173.5/35

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

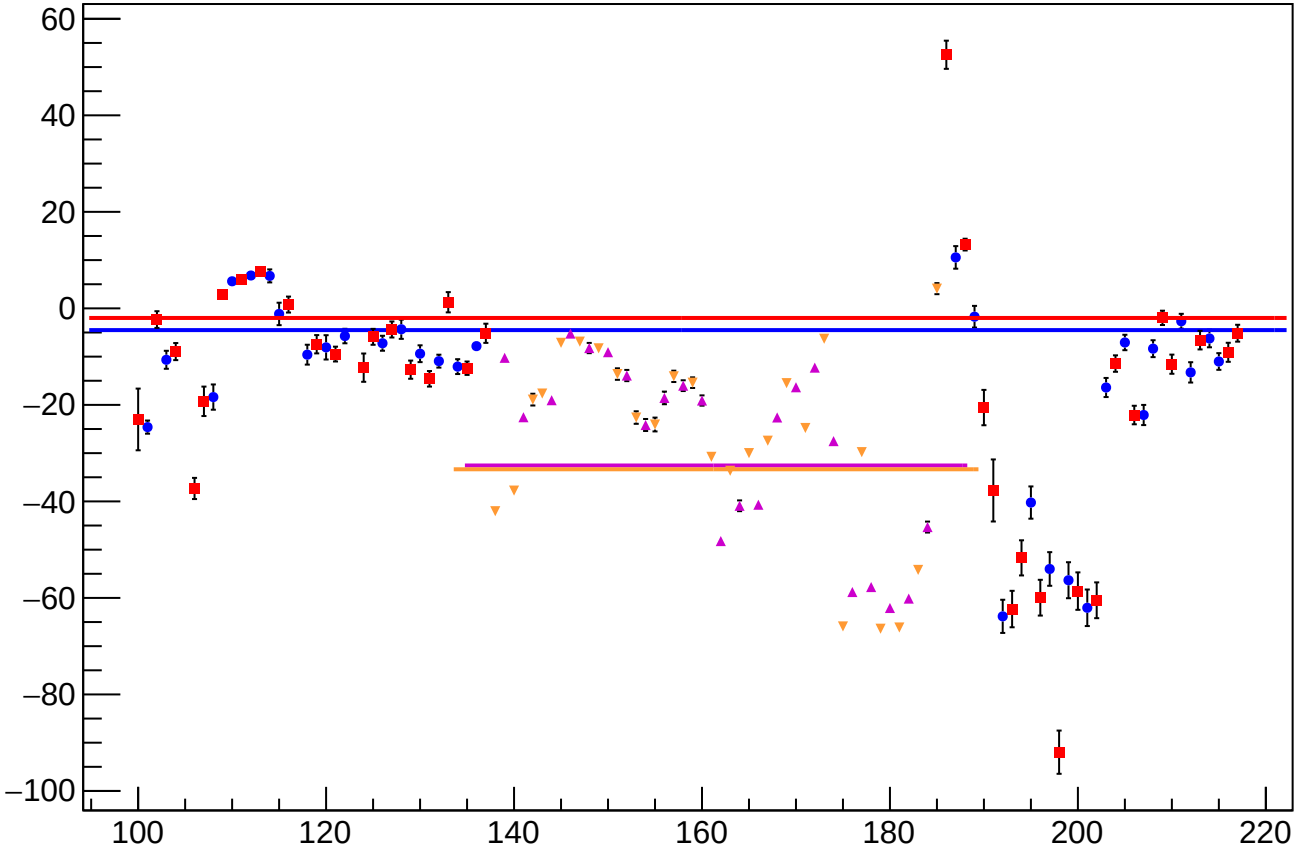
Right: -0.344+/-0.008 χ^2/NDF: 5292.1/66

In: -0.129+/-0.005 χ^2/NDF:5855.3/53

Out: -0.153+/-0.005 χ^2/NDF:5969.0/60

All: -0.141+/-0.004 χ^2/NDF: 11835.3/114

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: -1.987+/-0.250 χ^2/NDF: 3281.7/35

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

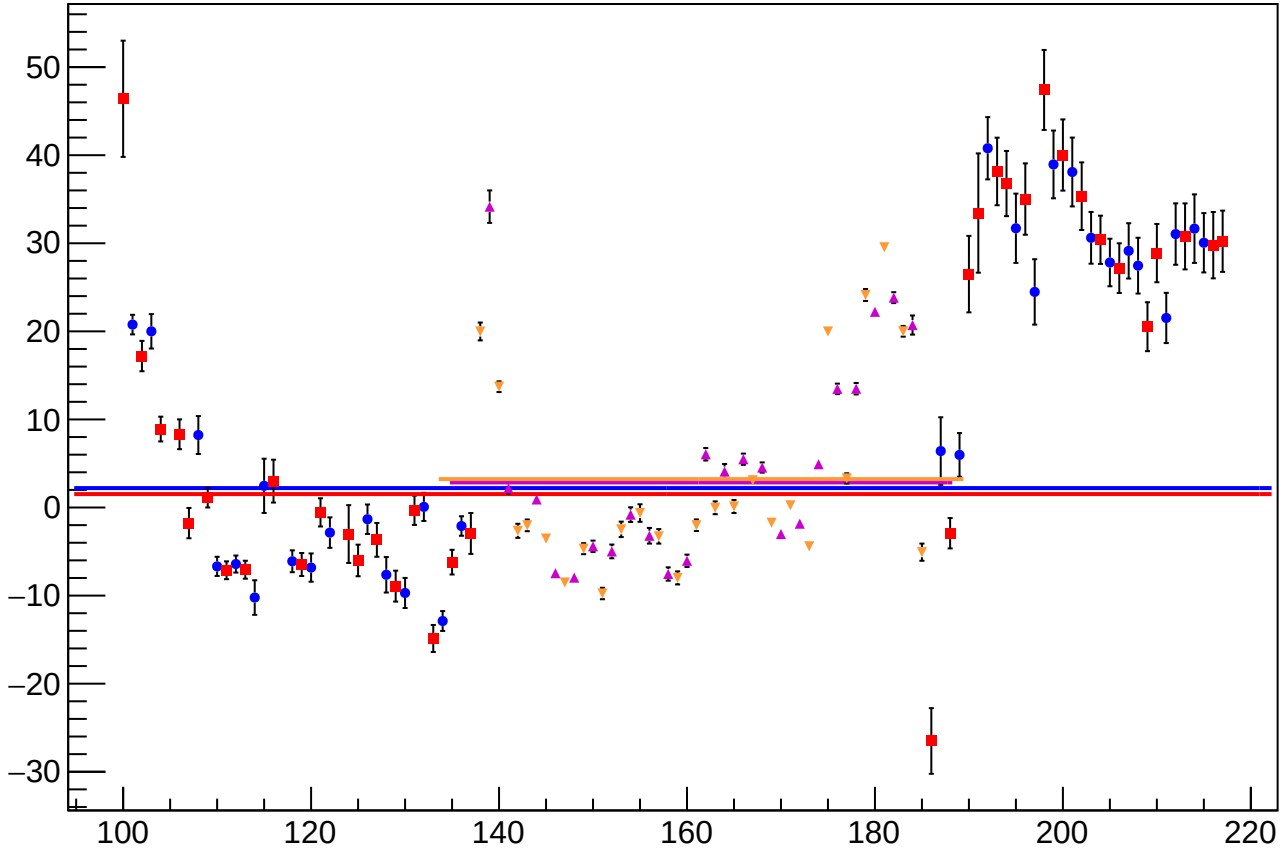
Right: -3.151+/-0.183 χ^2/NDF: 5543.4/66

In: -24.599+/-0.143 χ^2/NDF:23890.4/53

Out: -23.838+/-0.137 χ^2/NDF:32274.7/60

All: -24.202+/-0.099 χ^2/NDF: 56179.8/114

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: 1.525+/-0.325 χ^2/NDF: 1705.8/35

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

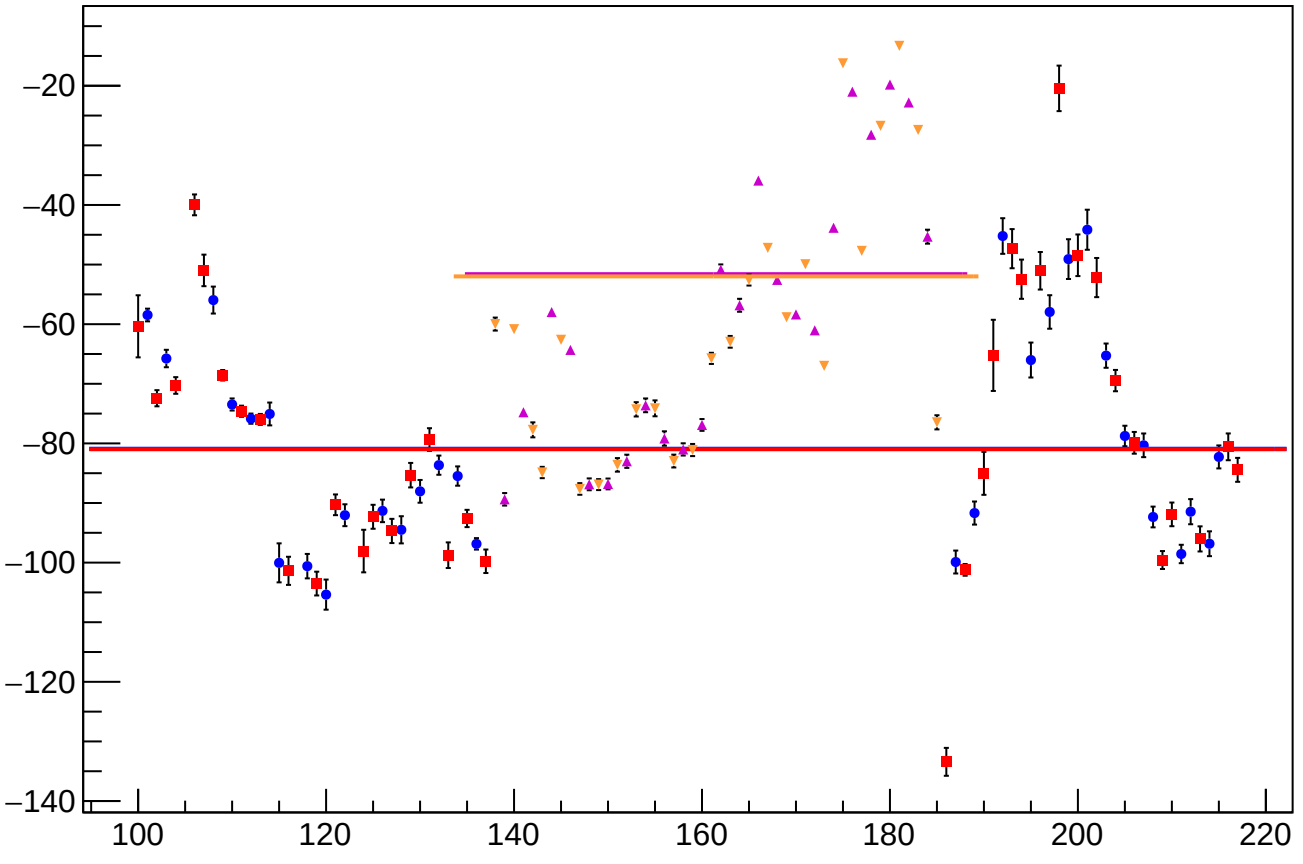
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 1.862+/-0.231 χ^2/NDF: 3574.1/66

In: 2.757+/-0.122 χ^2/NDF:7324.9/53

Out: 2.995+/-0.119 χ^2/NDF:9405.1/60

All: 2.879+/-0.085 χ^2/NDF: 16731.9/114



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: -80.977+/-0.291 χ^2/NDF: 3527.0/35

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

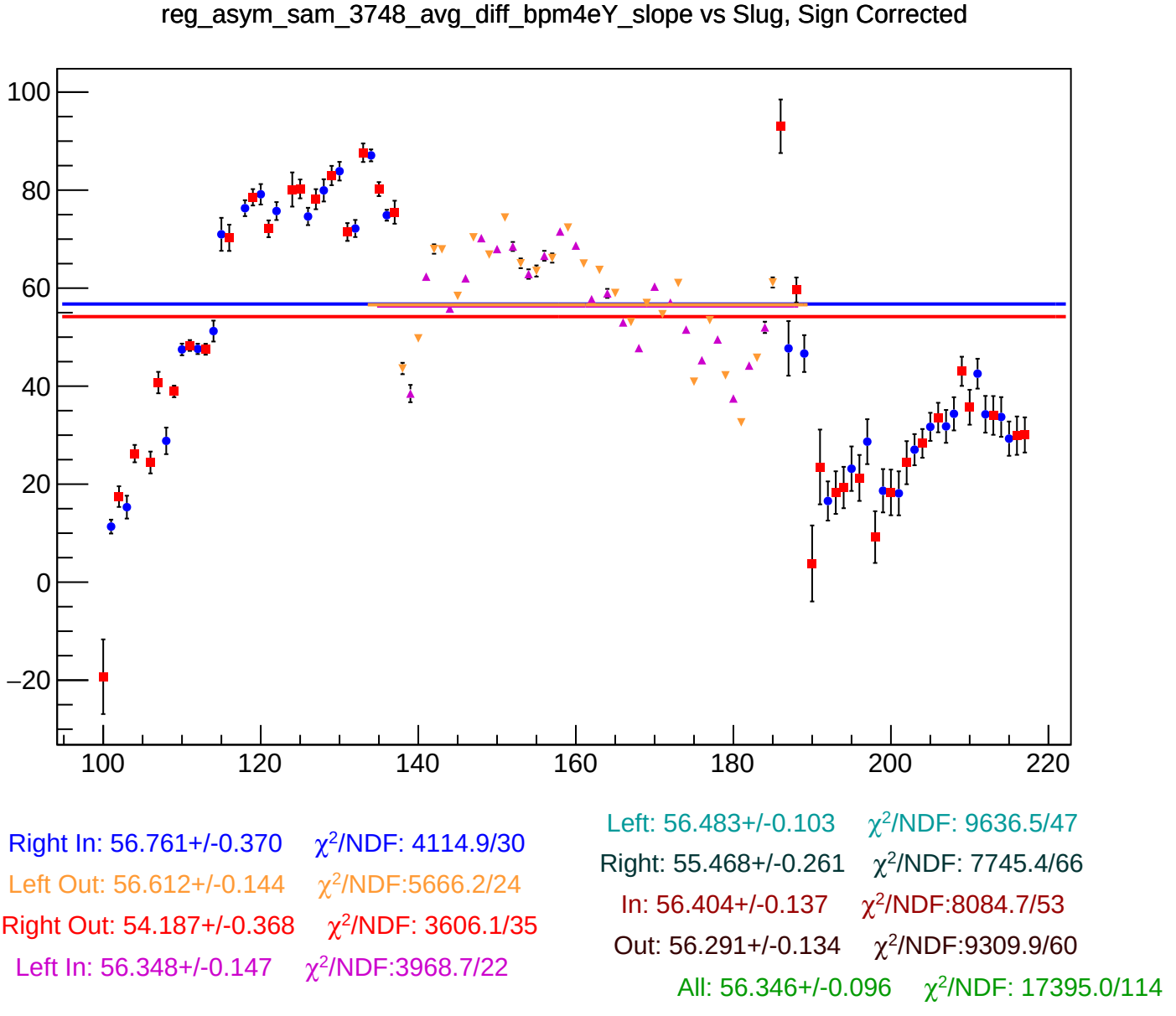
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -80.939+/-0.210 χ^2/NDF: 5812.7/66

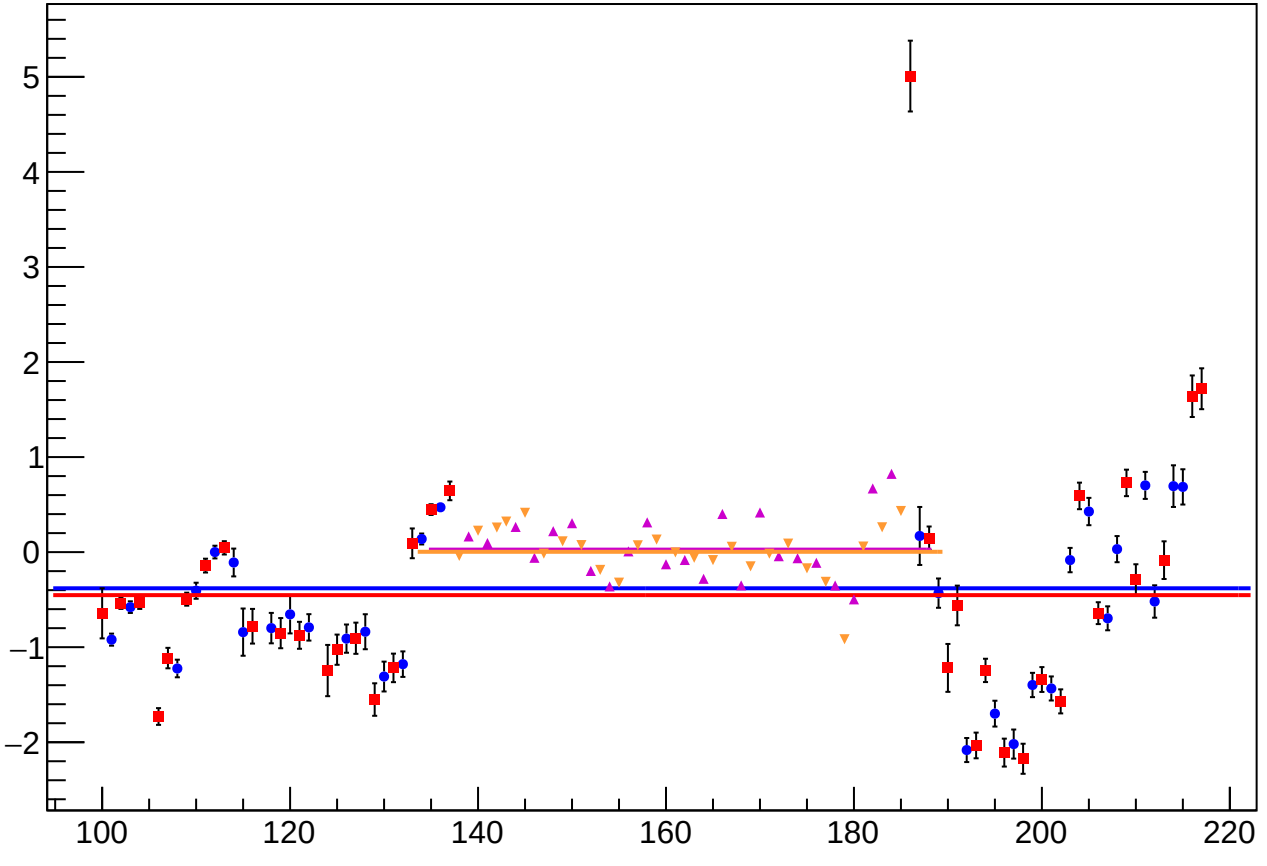
In: -58.574+/-0.148 χ^2/NDF:27042.5/53

Out: -59.035+/-0.143 χ^2/NDF:31942.7/60

All: -58.811+/-0.103 χ^2/NDF: 58990.3/114


reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
120
140
160
180
200
220
Right In: 56.761+/-0.370 χ²/NDF: 4114.9/30
Left Out: 56.612+/-0.144 χ²/NDF:5666.2/24
Right Out: 54.187+/-0.368 χ²/NDF: 3606.1/35
Left In: 56.348+/-0.147 χ²/NDF:3968.7/22
Left: 56.483+/-0.103 χ²/NDF: 9636.5/47
Right: 55.468+/-0.261 χ²/NDF: 7745.4/66
In: 56.404+/-0.137 χ²/NDF:8084.7/53
Out: 56.291+/-0.134 χ²/NDF:9309.9/60
All: 56.346+/-0.096 χ²/NDF: 17395.0/114

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: -0.452+/-0.019 χ^2/NDF: 1952.8/35

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

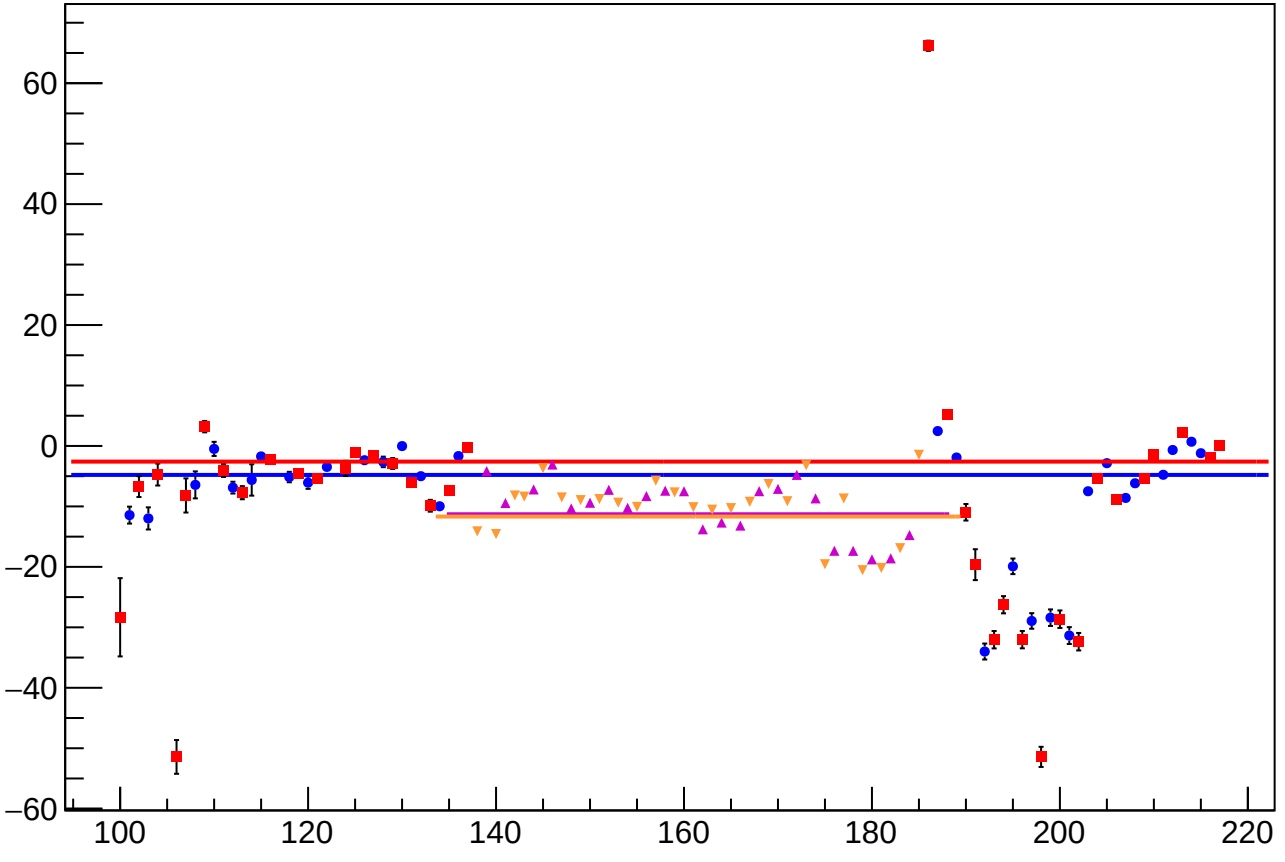
Right: -0.416+/-0.013 χ^2/NDF: 3402.8/66

In: -0.018+/-0.006 χ^2/NDF:4208.9/53

Out: -0.044+/-0.006 χ^2/NDF:4176.8/60

All: -0.031+/-0.004 χ^2/NDF: 8394.6/114

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: -2.591+/-0.140 χ^2/NDF: 10588.5/35

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

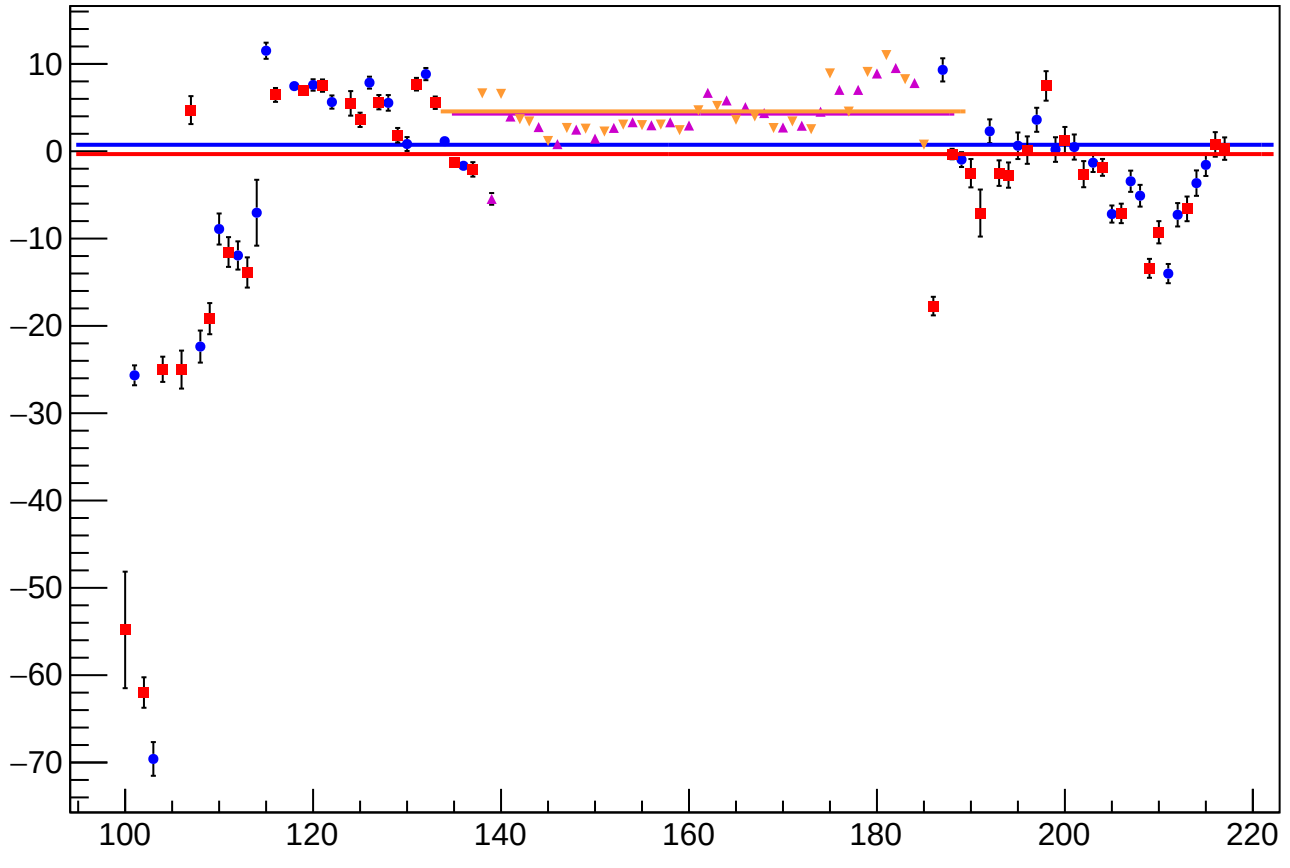
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -3.697+/-0.099 χ^2/NDF: 12890.6/66

In: -10.451+/-0.050 χ^2/NDF:13306.5/53

Out: -10.556+/-0.049 χ^2/NDF:26875.6/60

All: -10.505+/-0.035 χ^2/NDF: 40184.3/114



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: -0.325+/-0.170 χ^2/NDF: 3200.0/35

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

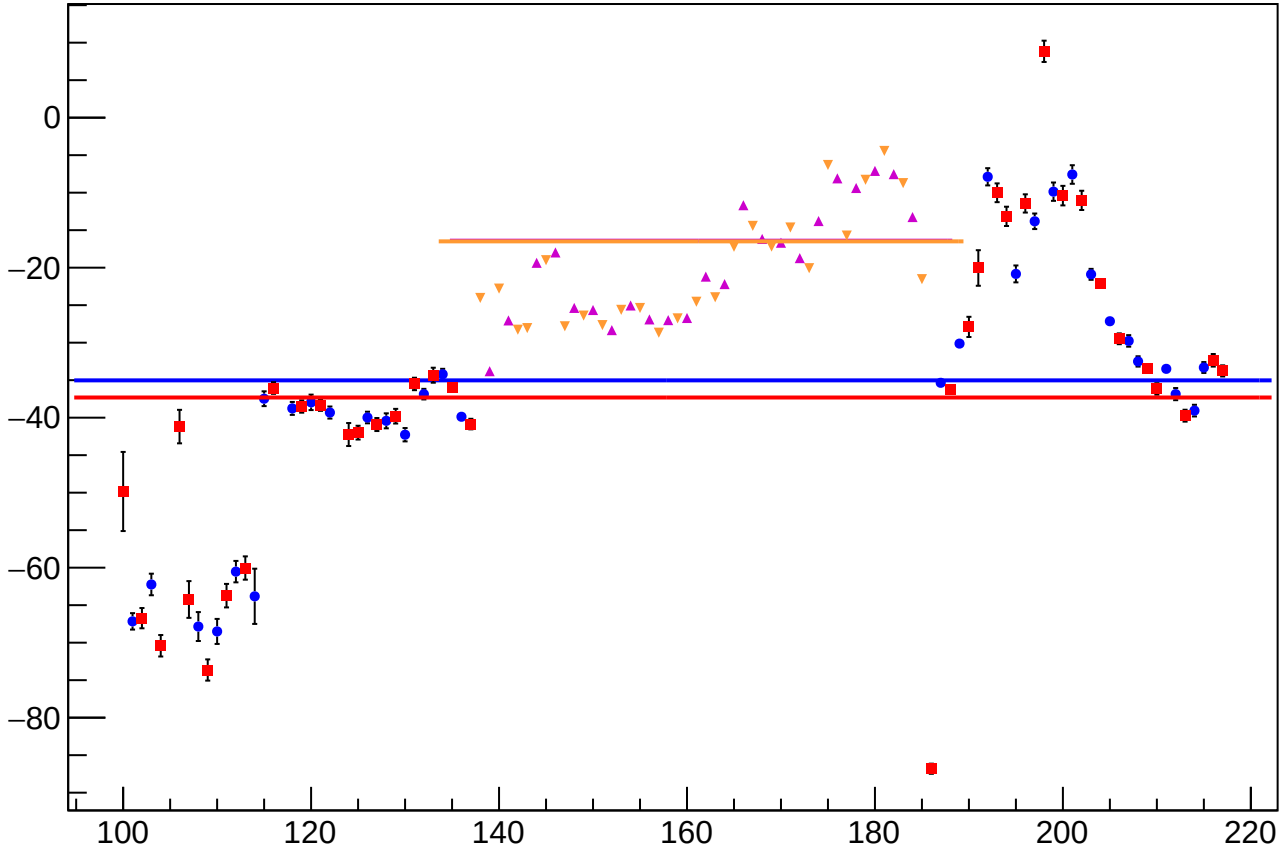
Right: 0.233+/-0.117 χ^2/NDF: 6478.3/66

In: 4.082+/-0.041 χ^2/NDF:7321.3/53

Out: 4.289+/-0.040 χ^2/NDF:8341.2/60

All: 4.187+/-0.029 χ^2/NDF: 15675.5/114

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: -37.311+/-0.144 χ^2/NDF: 11882.7/35

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

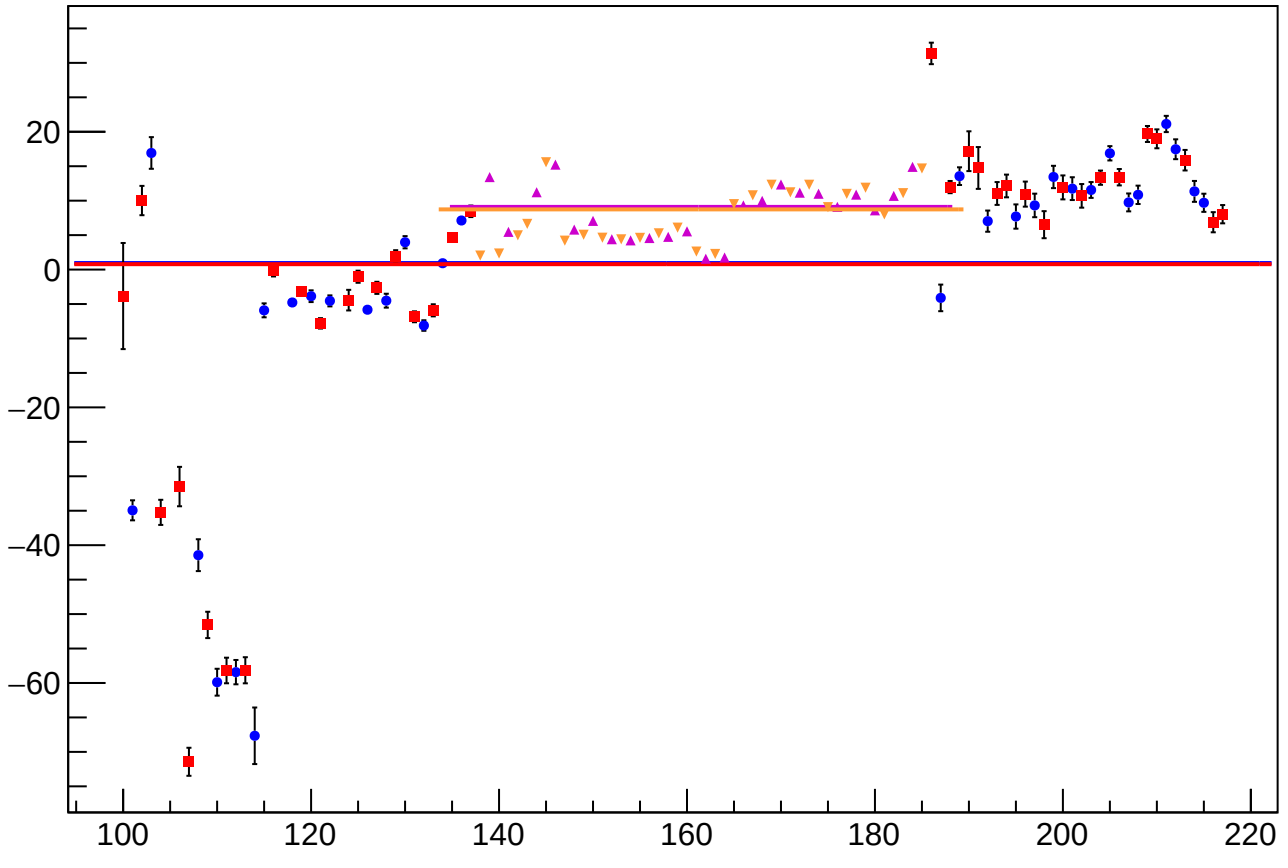
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.173+/-0.102 χ^2/NDF: 17435.6/66

In: -18.671+/-0.051 χ^2/NDF:37991.1/53

Out: -18.952+/-0.050 χ^2/NDF:52242.7/60

All: -18.814+/-0.035 χ^2/NDF: 90249.6/114



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: 0.784+/-0.193 χ^2/NDF: 6652.0/35

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

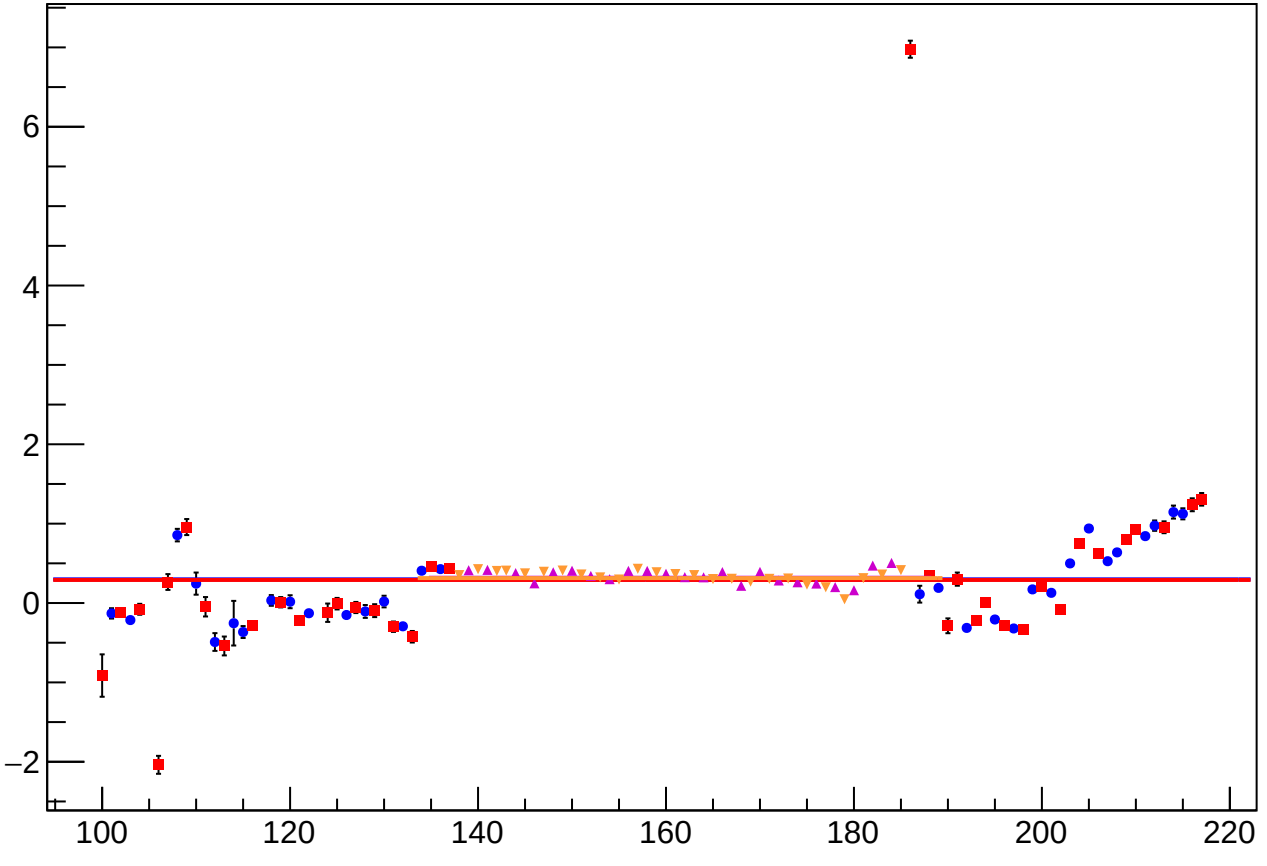
Right: 0.869+/-0.132 χ^2/NDF: 11917.9/66

In: 8.579+/-0.046 χ^2/NDF:12904.4/53

Out: 8.303+/-0.045 χ^2/NDF:15135.4/60

All: 8.439+/-0.032 χ^2/NDF: 28058.5/114

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: 0.291+/-0.010 χ^2/NDF: 6157.1/35

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

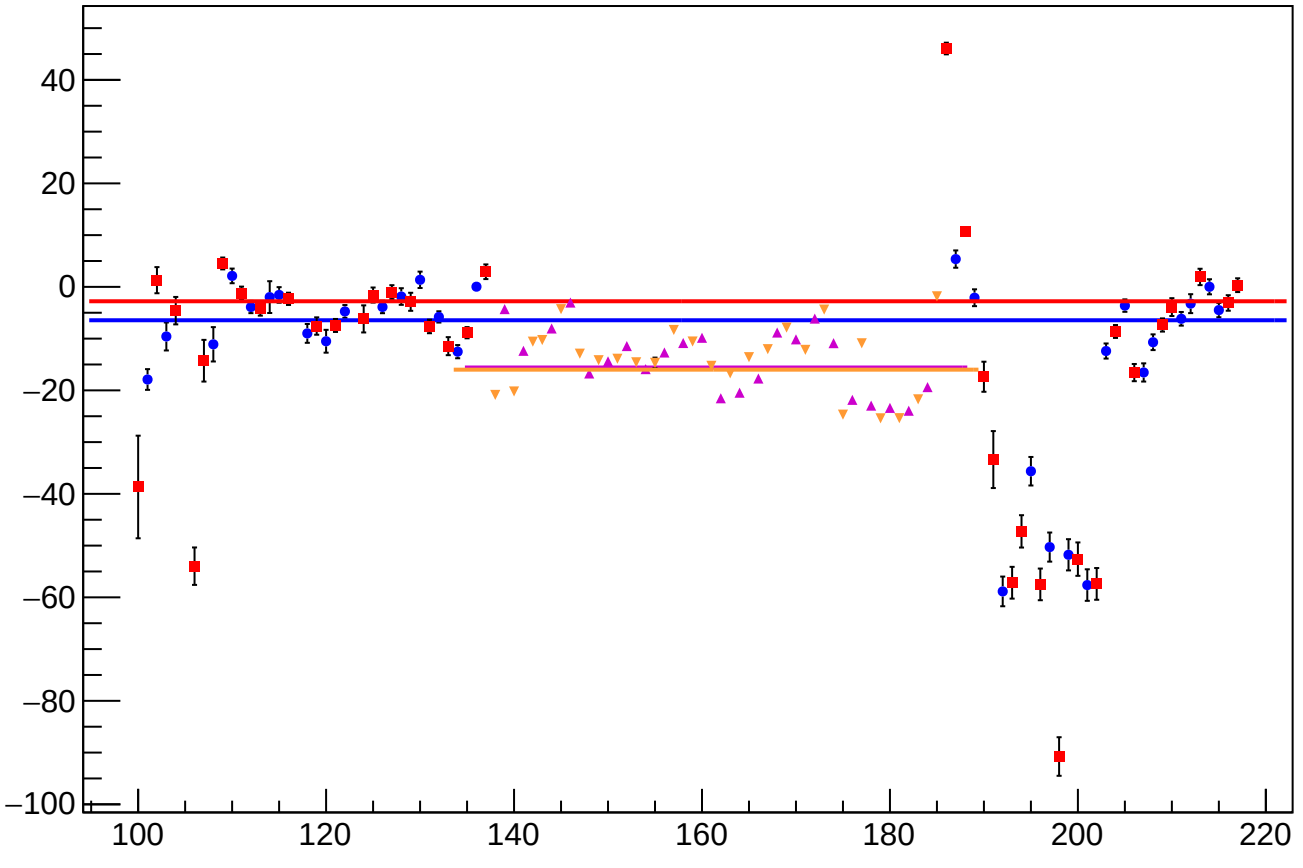
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.295+/-0.007 χ^2/NDF: 7870.1/66

In: 0.318+/-0.002 χ^2/NDF:3505.5/53

Out: 0.313+/-0.002 χ^2/NDF:7764.7/60

All: 0.315+/-0.001 χ^2/NDF: 11272.8/114



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: -2.782+/-0.268 χ^2/NDF: 4594.2/35

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

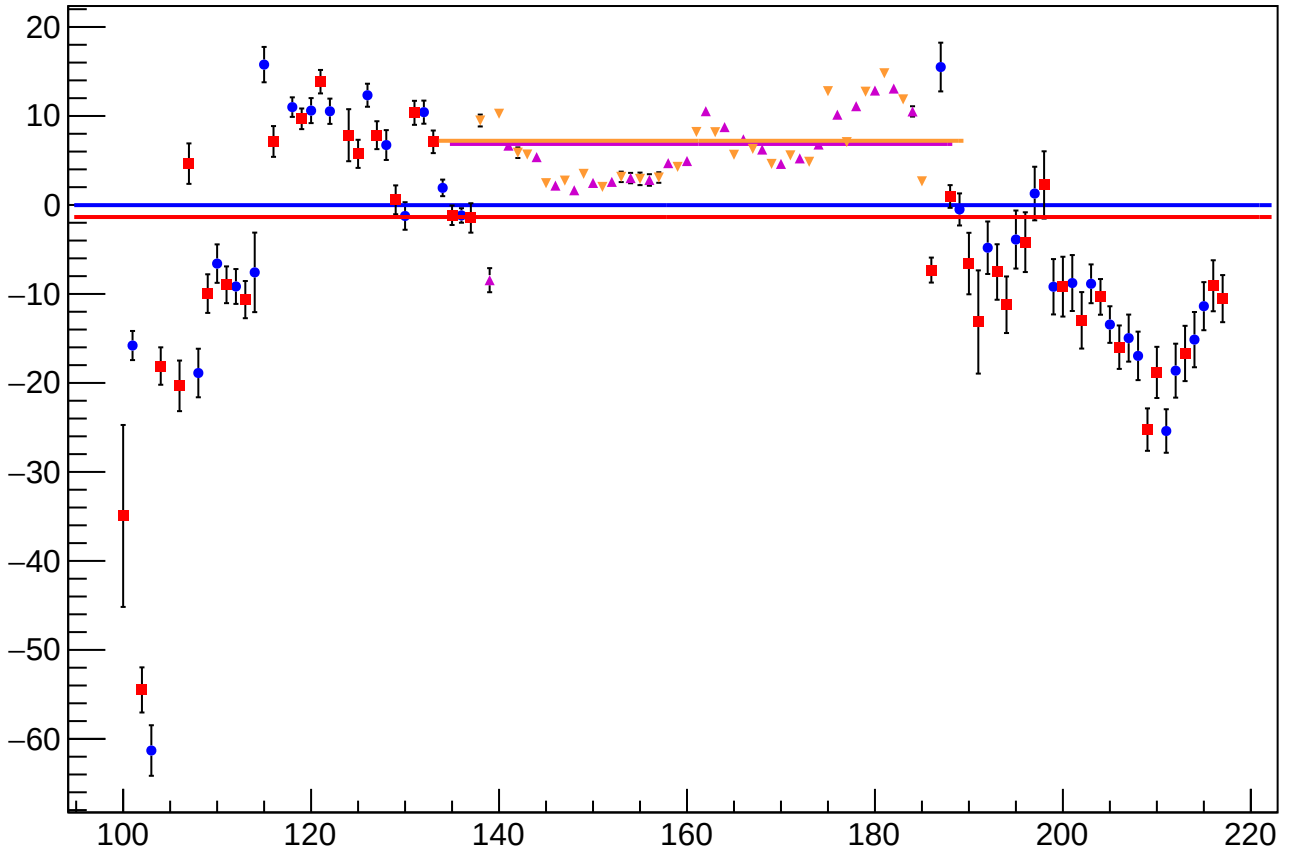
Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

Right: -4.584+/-0.191 χ^2/NDF: 6270.1/66

In: -14.460+/-0.096 χ^2/NDF:7328.1/53

Out: -14.399+/-0.093 χ^2/NDF:12700.9/60

All: -14.429+/-0.067 χ^2/NDF: 20029.2/114



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: -1.356+/-0.323 χ^2/NDF: 1345.5/35

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

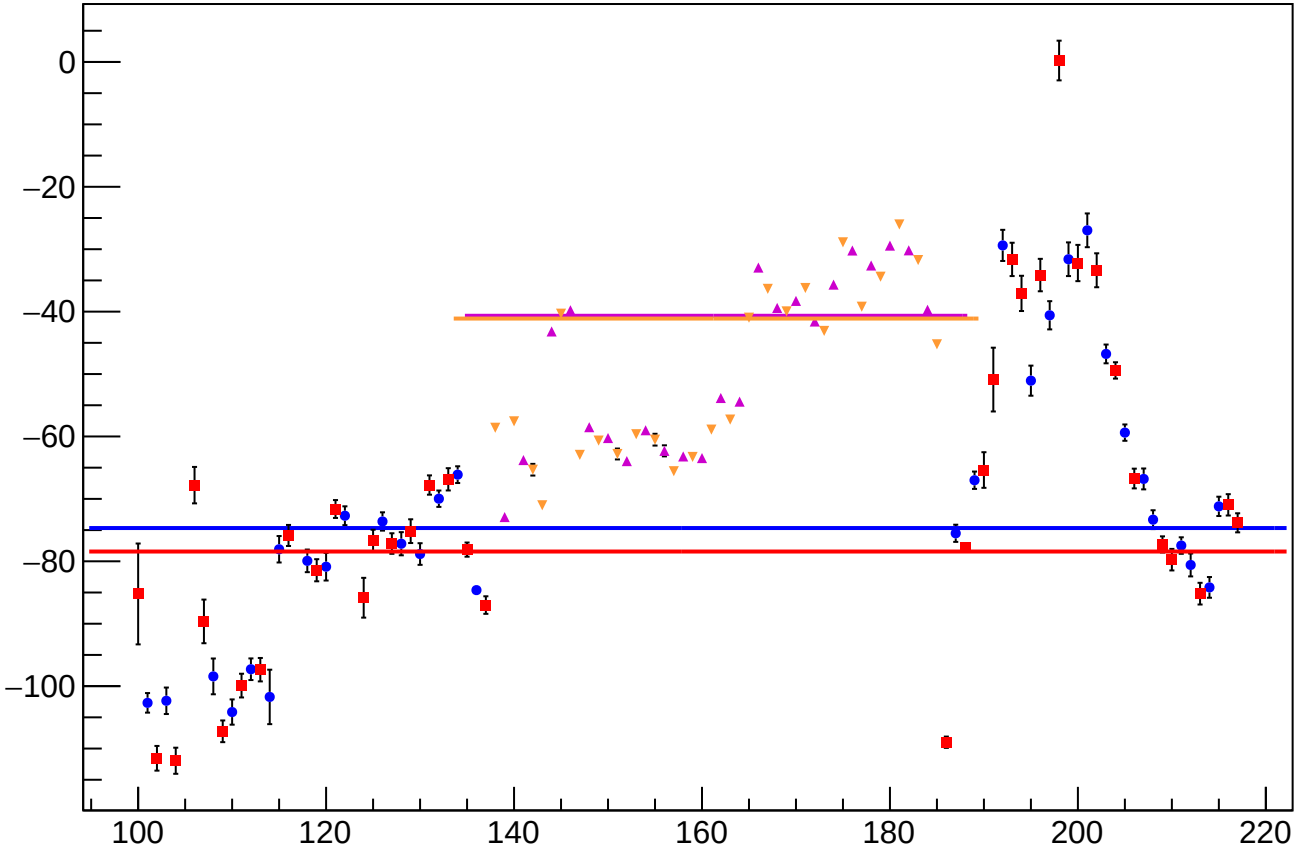
Right: -0.672+/-0.226 χ^2/NDF: 2818.8/66

In: 6.429+/-0.079 χ^2/NDF:4067.3/53

Out: 6.716+/-0.078 χ^2/NDF:4463.5/60

All: 6.574+/-0.055 χ^2/NDF: 8537.6/114

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -78.434+/-0.279 χ^2/NDF: 4964.0/35

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

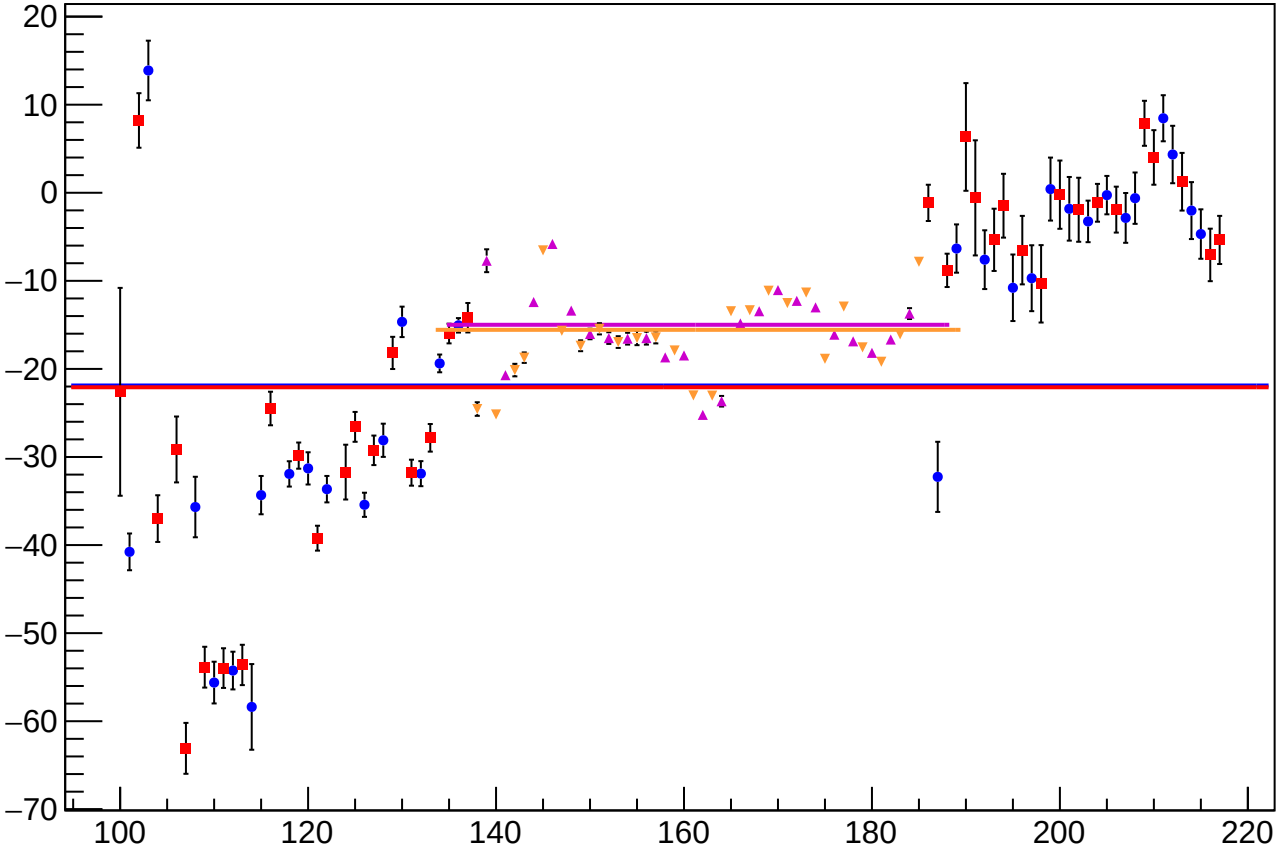
Right: -76.611+/-0.200 χ^2/NDF: 8116.6/66

In: -44.480+/-0.096 χ^2/NDF:29022.9/53

Out: -45.365+/-0.094 χ^2/NDF:36844.6/60

All: -44.933+/-0.067 χ^2/NDF: 65910.7/114

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: -22.084+/-0.370 χ^2/NDF: 2037.4/35

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

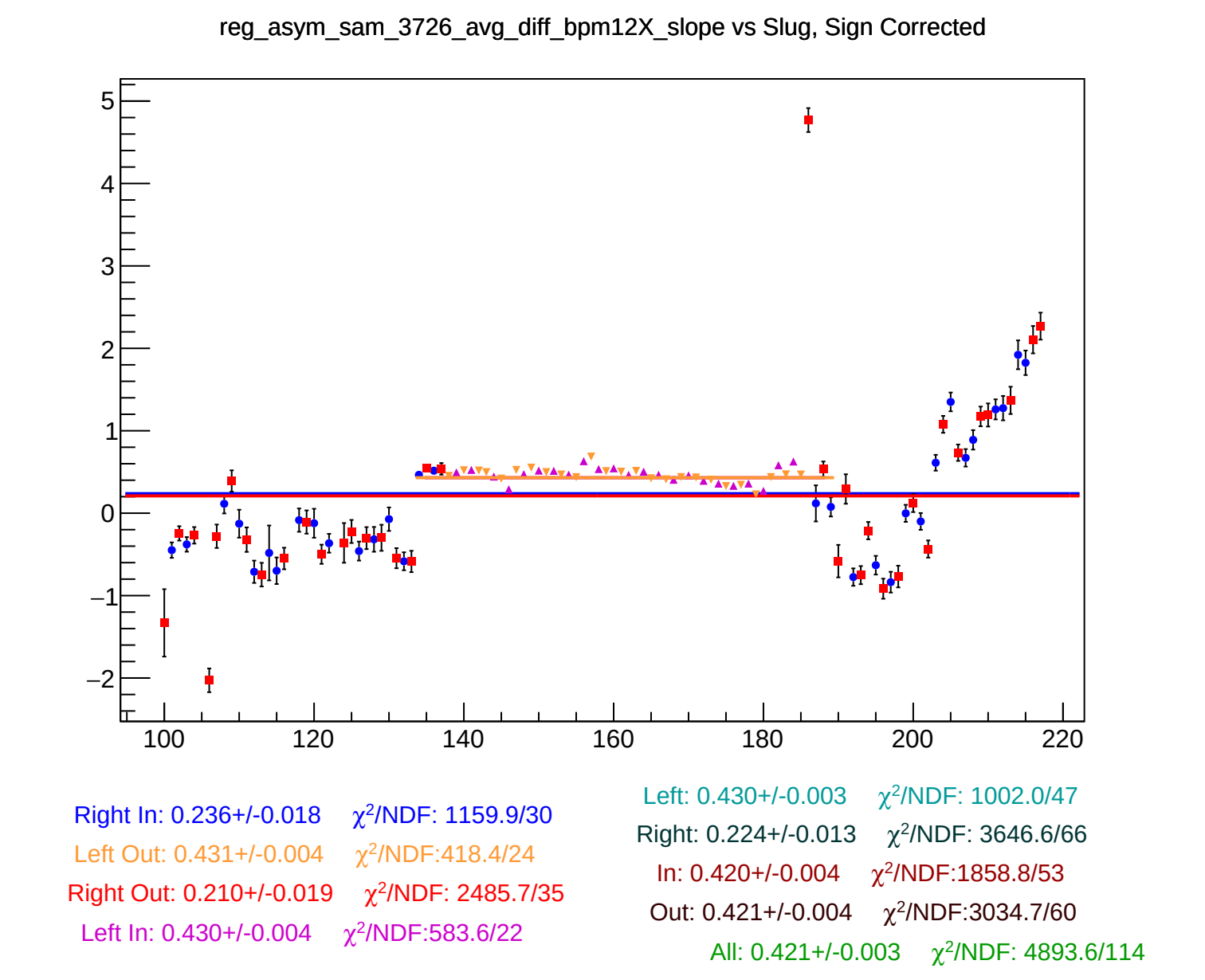
Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

Right: -21.979+/-0.255 χ^2/NDF: 3835.3/66

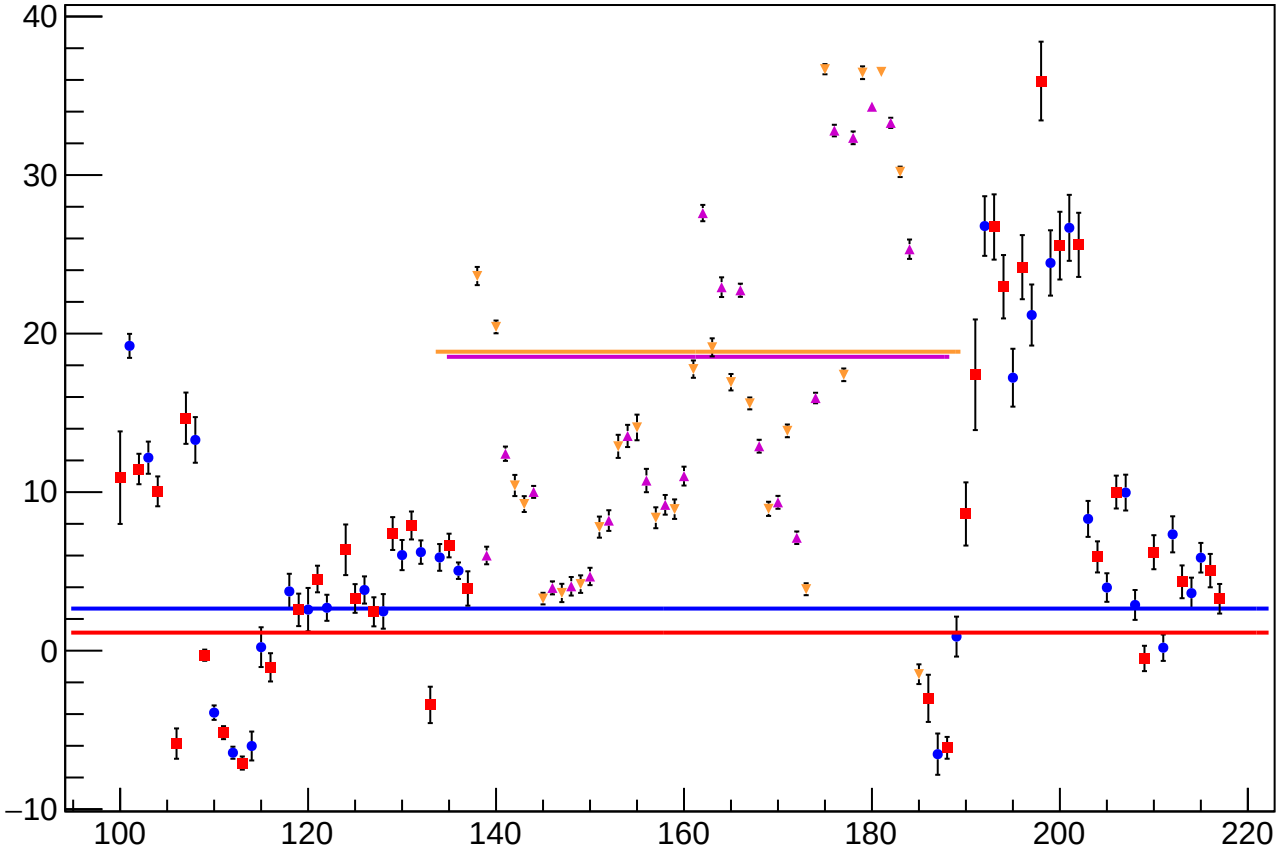
In: -15.415+/-0.087 χ^2/NDF:4308.4/53

Out: -15.919+/-0.086 χ^2/NDF:4881.4/60

All: -15.670+/-0.061 χ^2/NDF: 9206.5/114


reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.236+/-0.018 χ²/NDF: 1159.9/30
Left Out: 0.431+/-0.004 χ²/NDF:418.4/24
Right Out: 0.210+/-0.019 χ²/NDF: 2485.7/35
Left In: 0.430+/-0.004 χ²/NDF:583.6/22
Left: 0.430+/-0.003 χ²/NDF: 1002.0/47
Right: 0.224+/-0.013 χ²/NDF: 3646.6/66
In: 0.420+/-0.004 χ²/NDF:1858.8/53
Out: 0.421+/-0.004 χ²/NDF:3034.7/60
All: 0.421+/-0.003 χ²/NDF: 4893.6/114

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: 1.139+/-0.145 χ^2/NDF: 2385.3/35

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

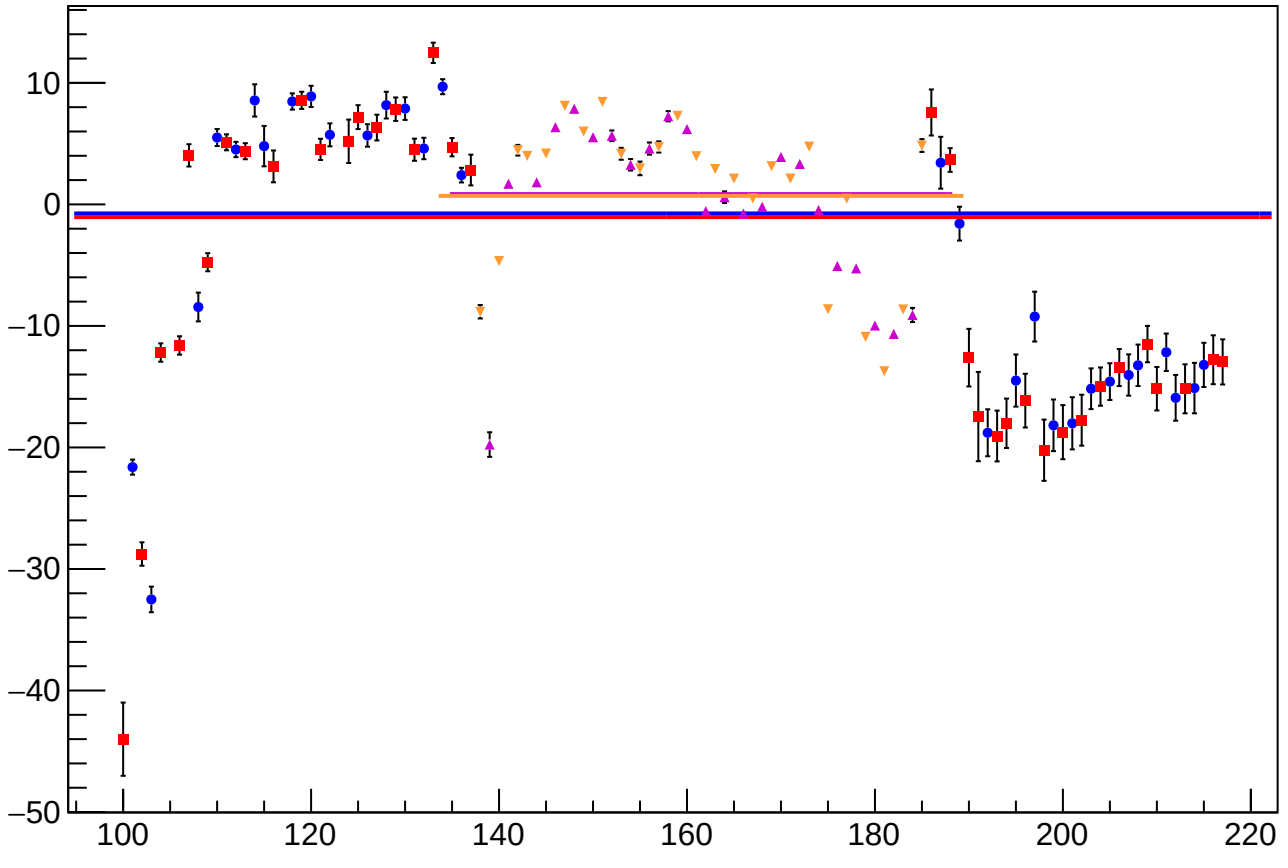
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.840+/-0.107 χ^2/NDF: 4728.9/66

In: 14.385+/-0.080 χ^2/NDF:23940.1/53

Out: 13.915+/-0.077 χ^2/NDF:31473.8/60

All: 14.140+/-0.055 χ^2/NDF: 55431.8/114



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: -1.044+/-0.183 χ^2/NDF: 3312.2/35

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

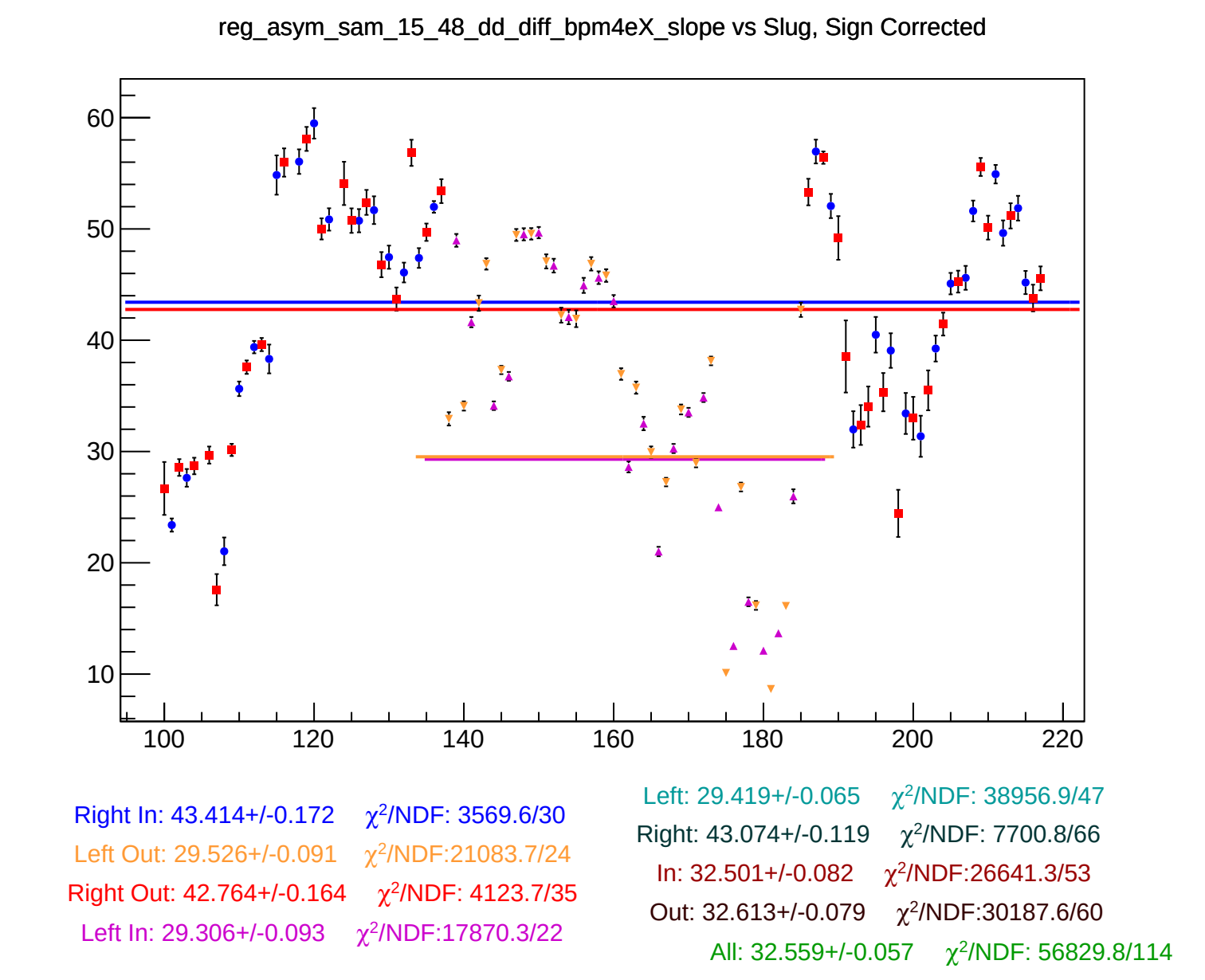
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

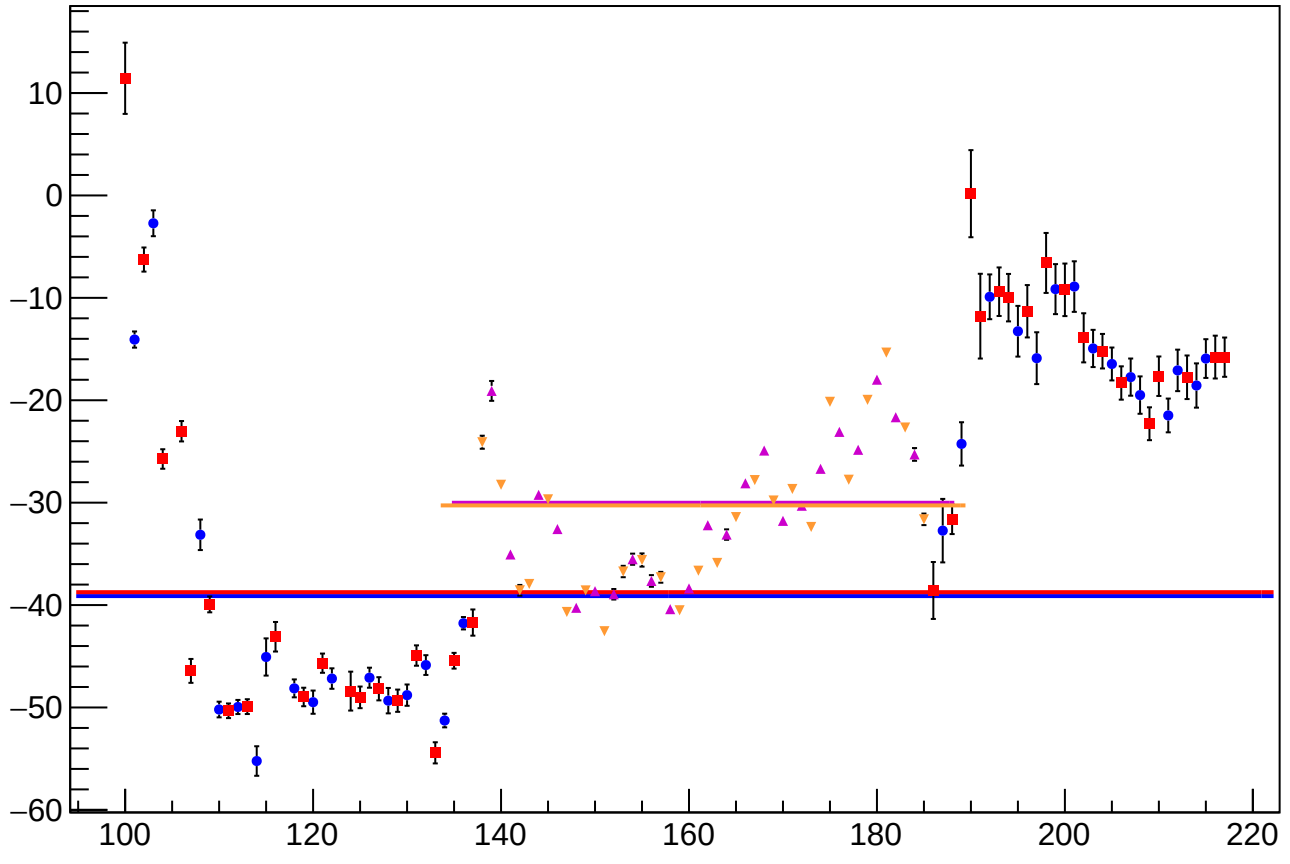
Right: -0.896+/-0.131 χ^2/NDF: 7279.8/66

In: 0.638+/-0.067 χ^2/NDF:10074.9/53

Out: 0.477+/-0.066 χ^2/NDF:11628.9/60

All: 0.556+/-0.047 χ^2/NDF: 21706.8/114


reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 43.414+/-0.172 χ²/NDF: 3569.6/30
Left Out: 29.526+/-0.091 χ²/NDF:21083.7/24
Right Out: 42.764+/-0.164 χ²/NDF: 4123.7/35
Left In: 29.306+/-0.093 χ²/NDF:17870.3/22
Left: 29.419+/-0.065 χ²/NDF: 38956.9/47
Right: 43.074+/-0.119 χ²/NDF: 7700.8/66
In: 32.501+/-0.082 χ²/NDF:26641.3/53
Out: 32.613+/-0.079 χ²/NDF:30187.6/60
All: 32.559+/-0.057 χ²/NDF: 56829.8/114



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: -38.741+/-0.209 χ^2/NDF: 4649.6/35

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

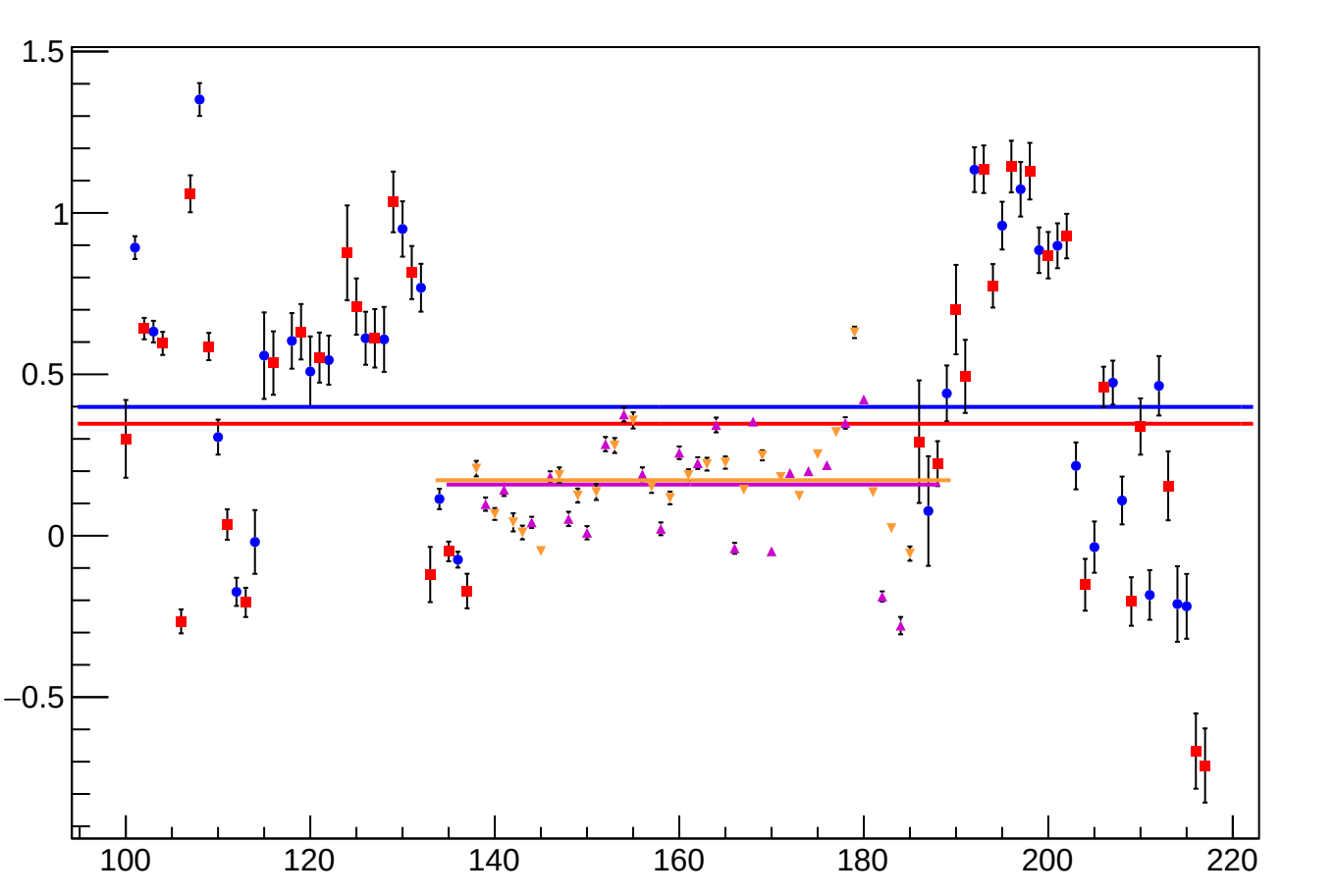
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -38.931+/-0.148 χ^2/NDF: 9795.9/66

In: -31.196+/-0.076 χ^2/NDF:12859.9/53

Out: -31.332+/-0.074 χ^2/NDF:14584.5/60

All: -31.265+/-0.053 χ^2/NDF: 27446.1/114



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: 0.347+/-0.010 χ^2/NDF: 1947.3/35

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

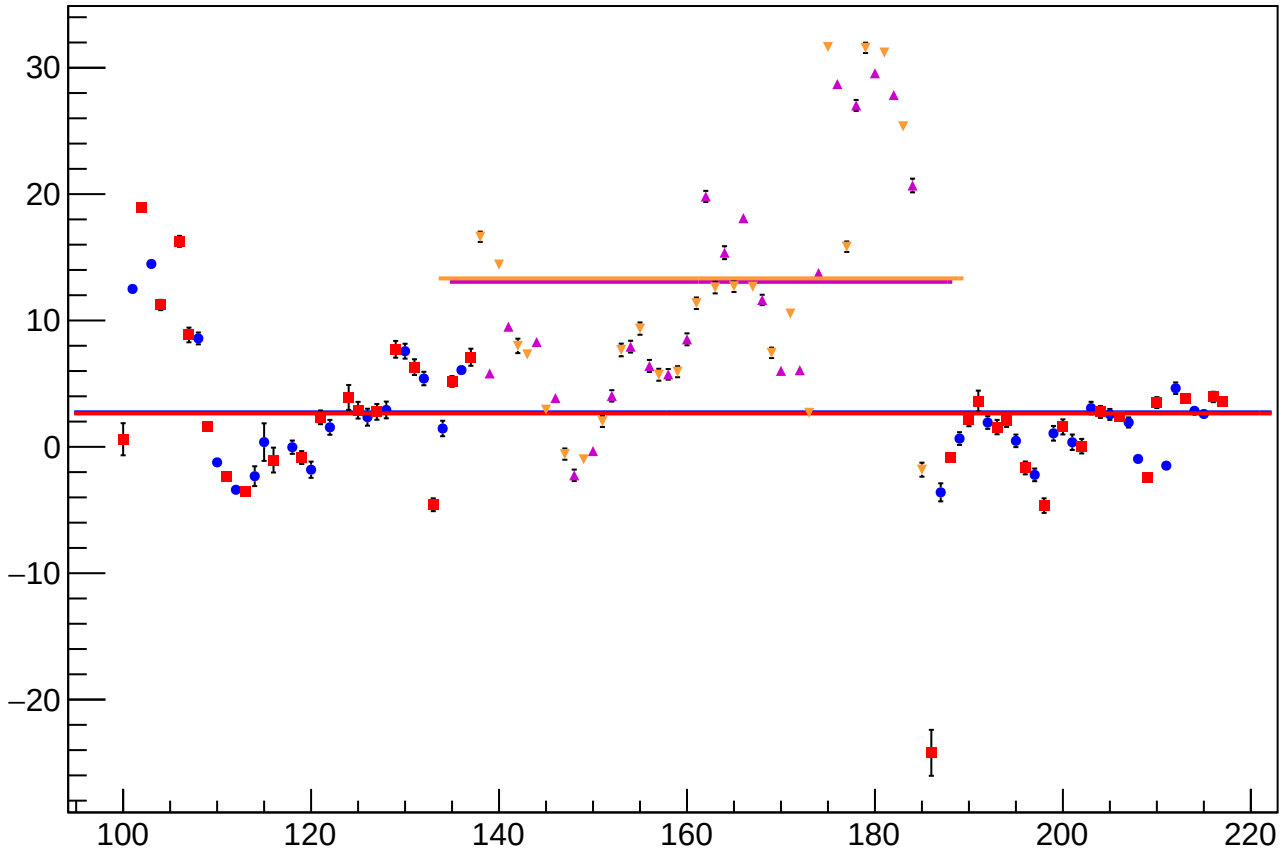
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.373+/-0.007 χ^2/NDF: 3799.5/66

In: 0.184+/-0.003 χ^2/NDF:4493.7/53

Out: 0.190+/-0.003 χ^2/NDF:3702.2/60

All: 0.187+/-0.002 χ^2/NDF: 8197.5/114



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: 2.643+/-0.076 χ^2/NDF: 5415.9/35

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

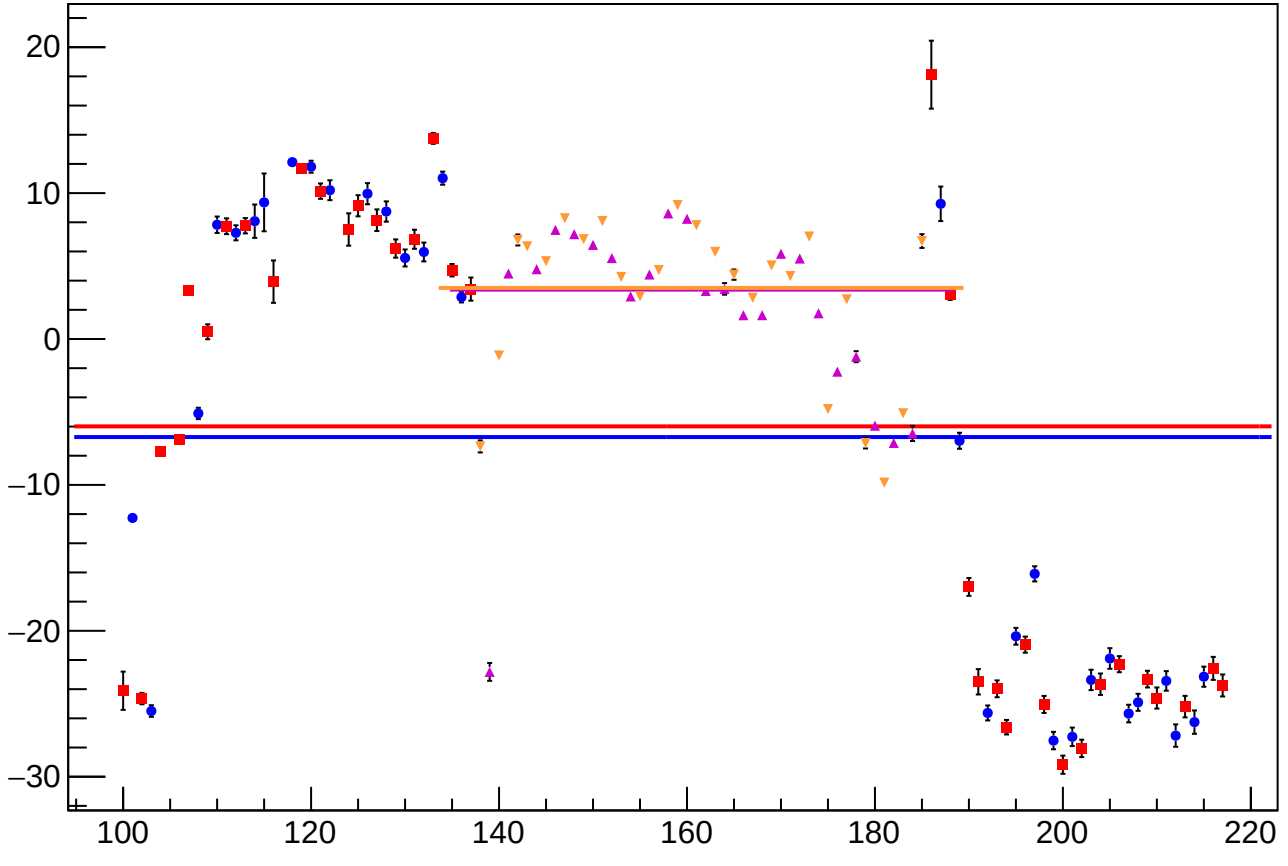
Right: 2.684+/-0.056 χ^2/NDF: 8768.6/66

In: 8.070+/-0.057 χ^2/NDF:27106.3/53

Out: 7.957+/-0.054 χ^2/NDF:34593.2/60

All: 8.011+/-0.039 χ^2/NDF: 61701.6/114

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -5.988+/-0.089 χ^2/NDF: 27317.3/35

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

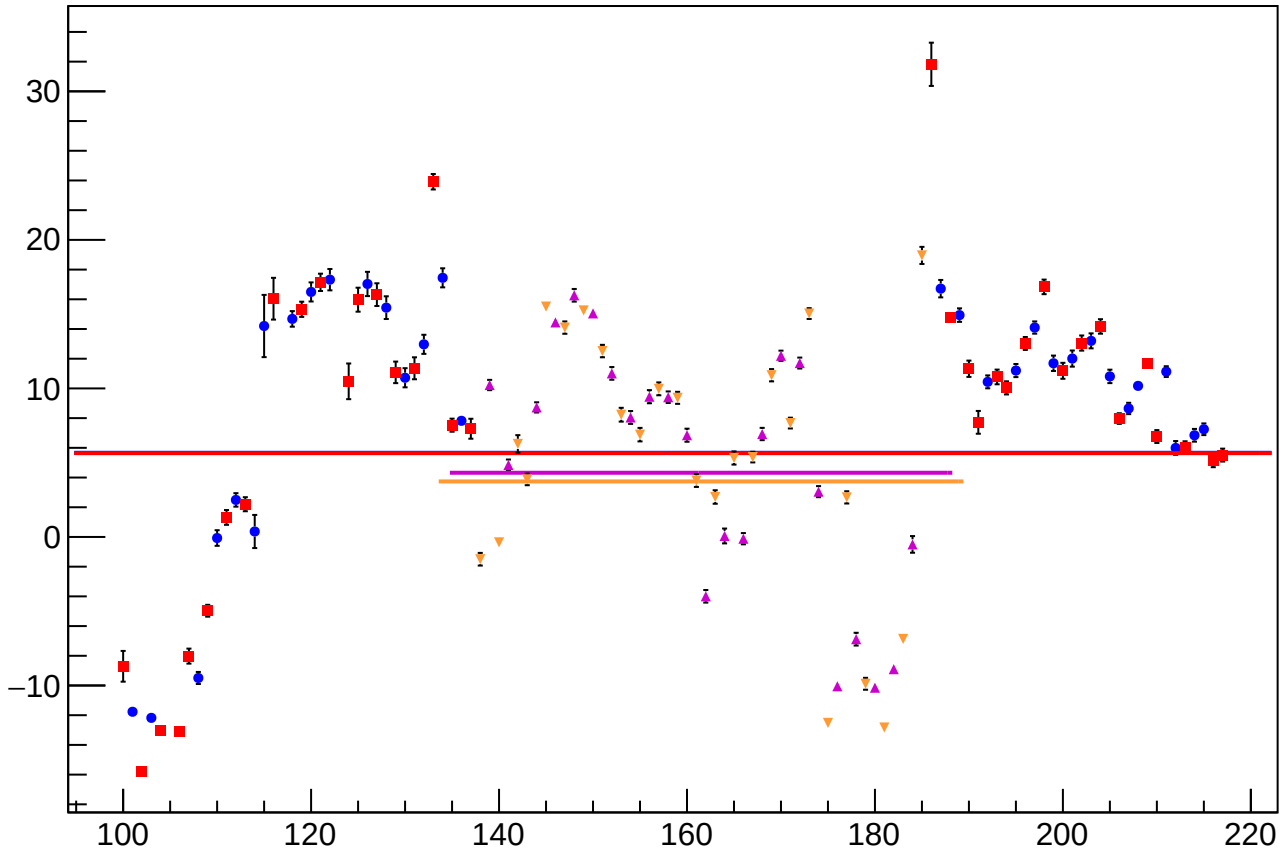
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -6.332+/-0.065 χ^2/NDF: 52088.8/66

In: 0.421+/-0.051 χ^2/NDF:39497.4/53

Out: 0.636+/-0.049 χ^2/NDF:43163.3/60

All: 0.533+/-0.035 χ^2/NDF: 82669.9/114



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: 5.642+/-0.076 χ^2/NDF: 20397.5/35

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

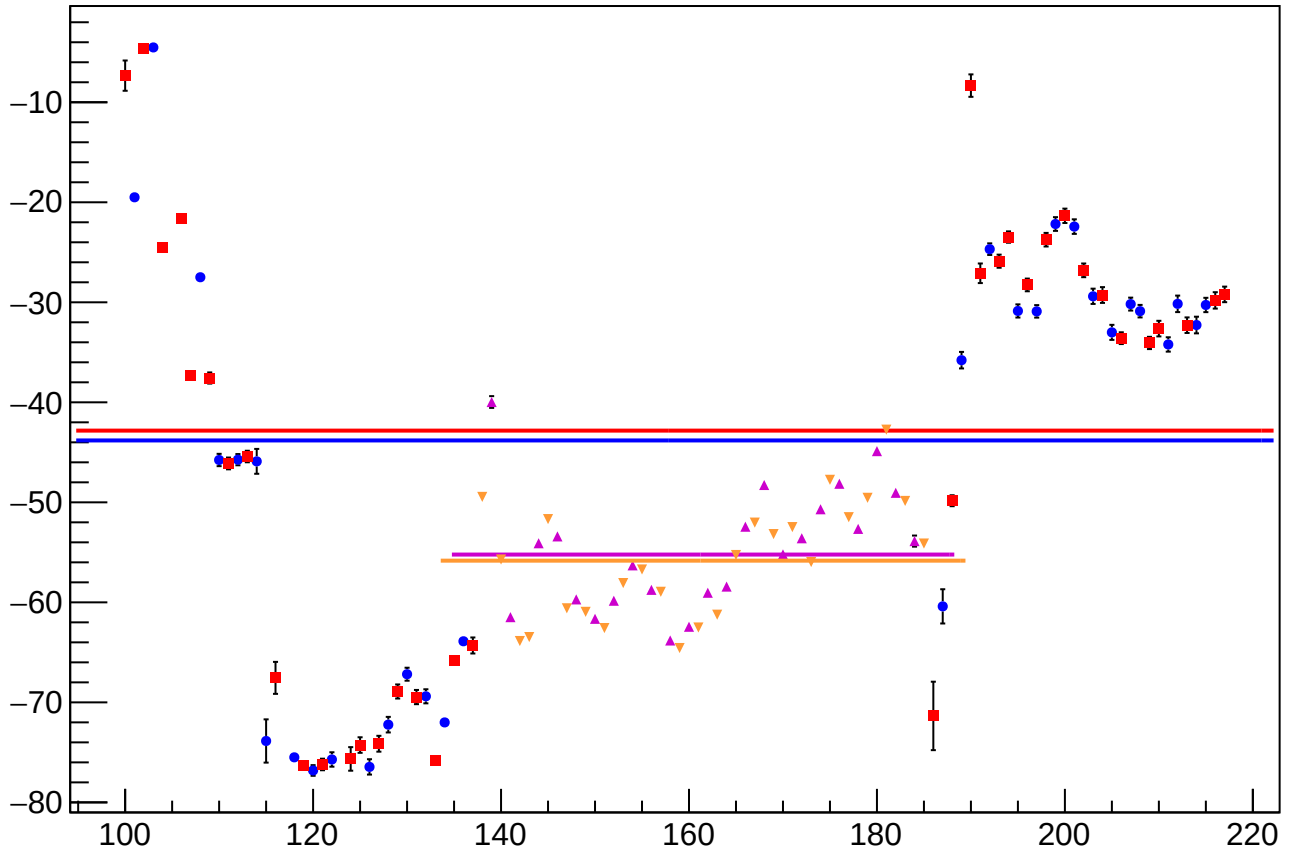
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.653+/-0.056 χ^2/NDF: 34544.6/66

In: 4.969+/-0.057 χ^2/NDF:26771.0/53

Out: 4.695+/-0.054 χ^2/NDF:36296.5/60

All: 4.826+/-0.039 χ^2/NDF: 63079.8/114



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: -42.829+/-0.105 χ^2/NDF: 44578.3/35

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

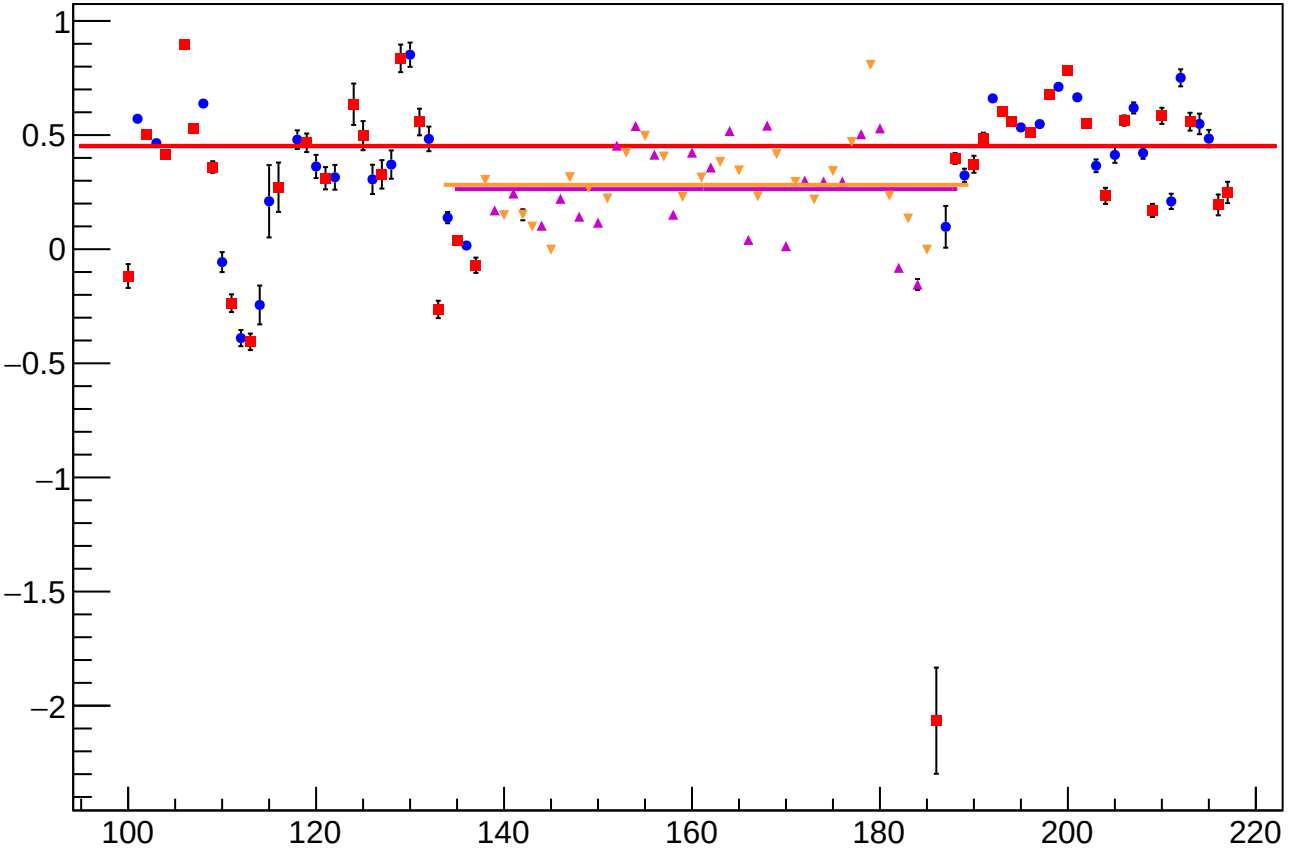
Right: -43.297+/-0.076 χ^2/NDF: 87765.2/66

In: -52.006+/-0.058 χ^2/NDF:57260.6/53

Out: -52.097+/-0.056 χ^2/NDF:63205.8/60

All: -52.053+/-0.040 χ^2/NDF: 120467.7/114

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: 0.453+/-0.004 χ^2/NDF: 3821.8/35

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

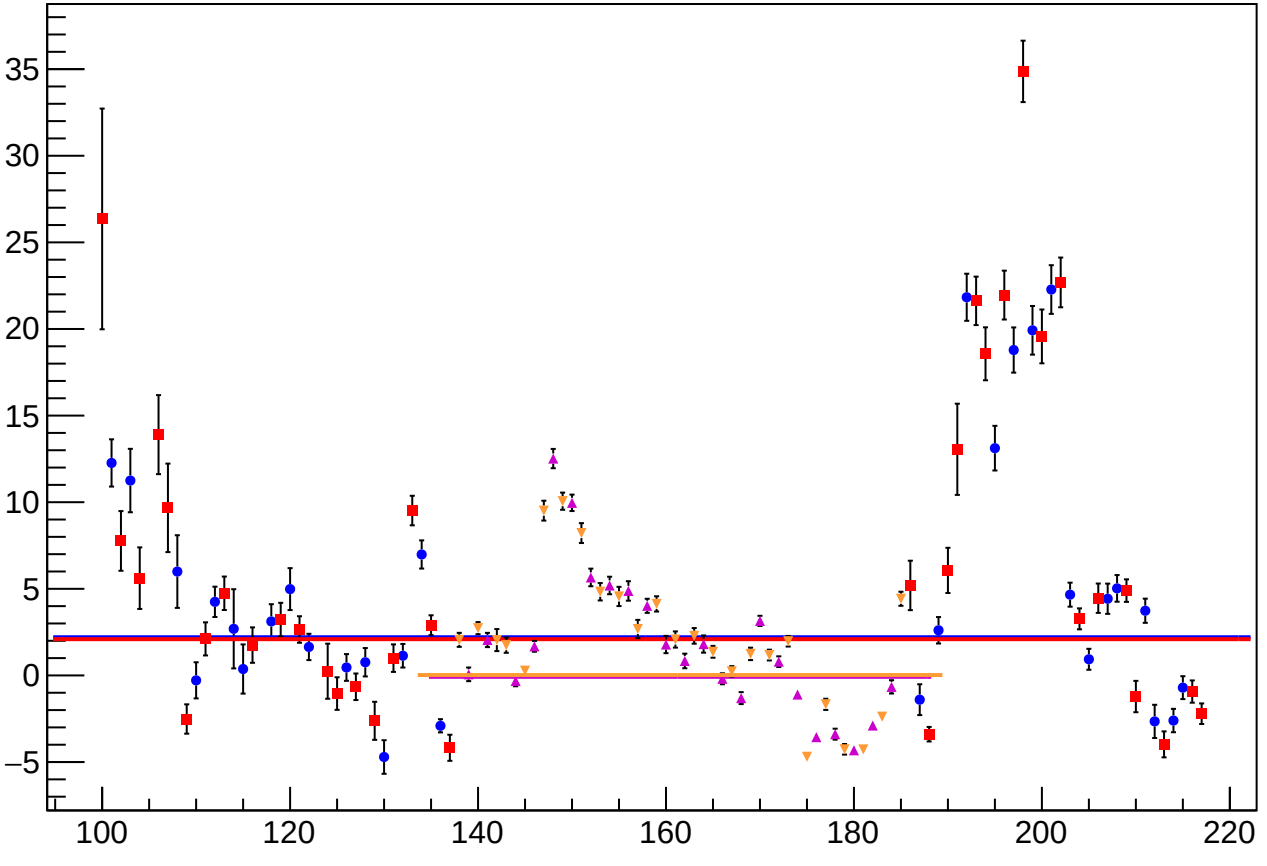
Right: 0.452+/-0.003 χ^2/NDF: 6551.6/66

In: 0.320+/-0.003 χ^2/NDF:7728.6/53

Out: 0.337+/-0.002 χ^2/NDF:7584.6/60

All: 0.329+/-0.002 χ^2/NDF: 15335.4/114

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: 2.094+/-0.150 χ^2/NDF: 1866.5/35

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

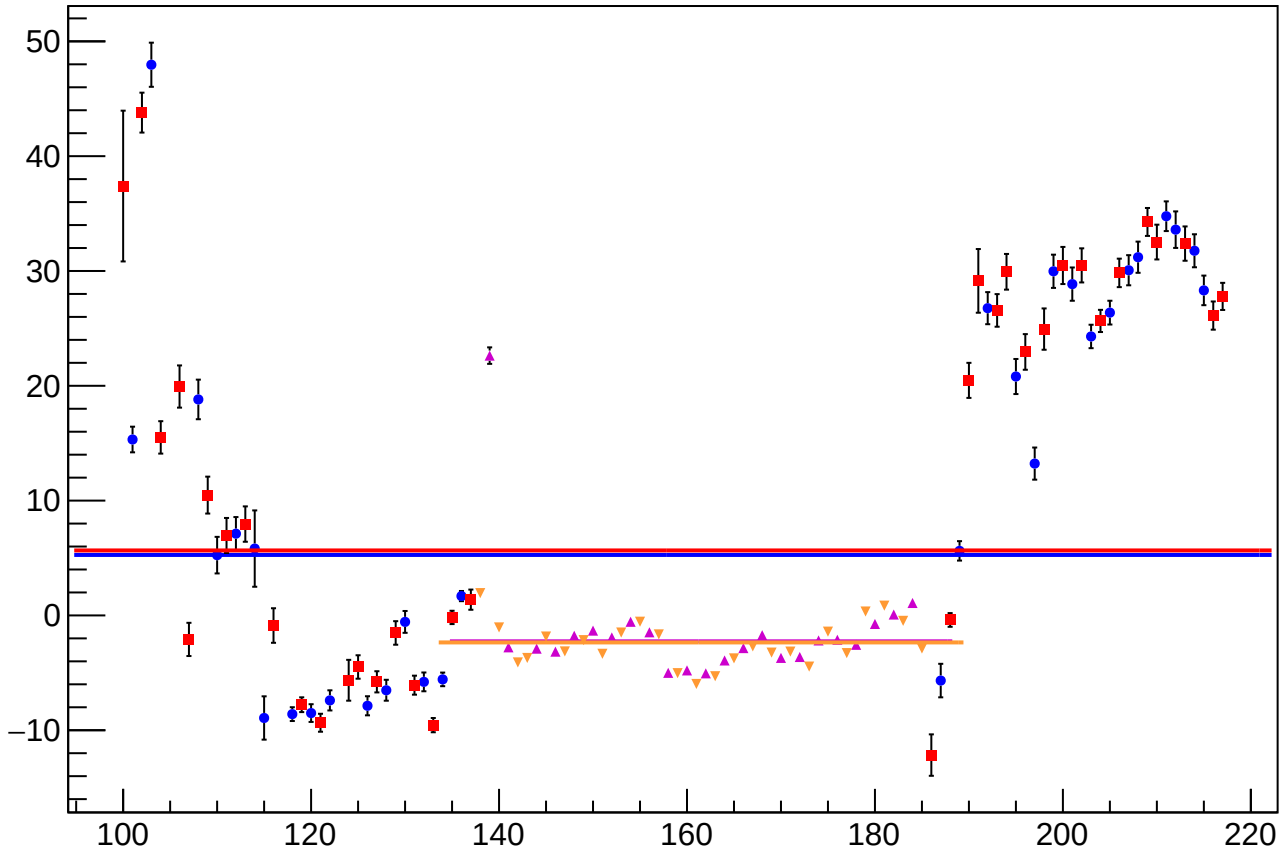
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.148+/-0.107 χ^2/NDF: 3203.1/66

In: 0.327+/-0.064 χ^2/NDF:3986.7/53

Out: 0.380+/-0.062 χ^2/NDF:4783.7/60

All: 0.354+/-0.045 χ^2/NDF: 8770.7/114



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: 5.660+/-0.183 χ^2/NDF: 6951.3/35

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

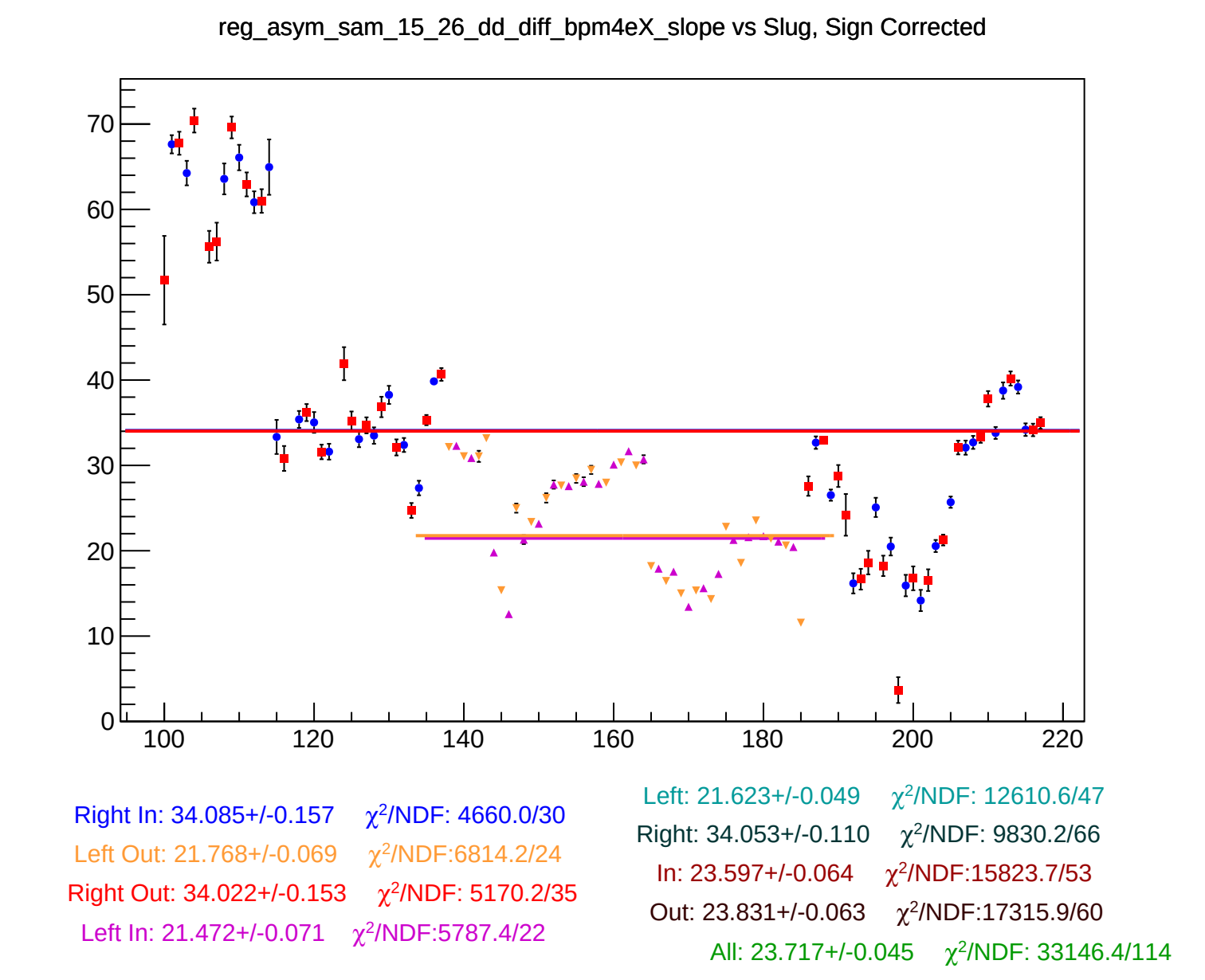
Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

Right: 5.460+/-0.128 χ^2/NDF: 13710.9/66

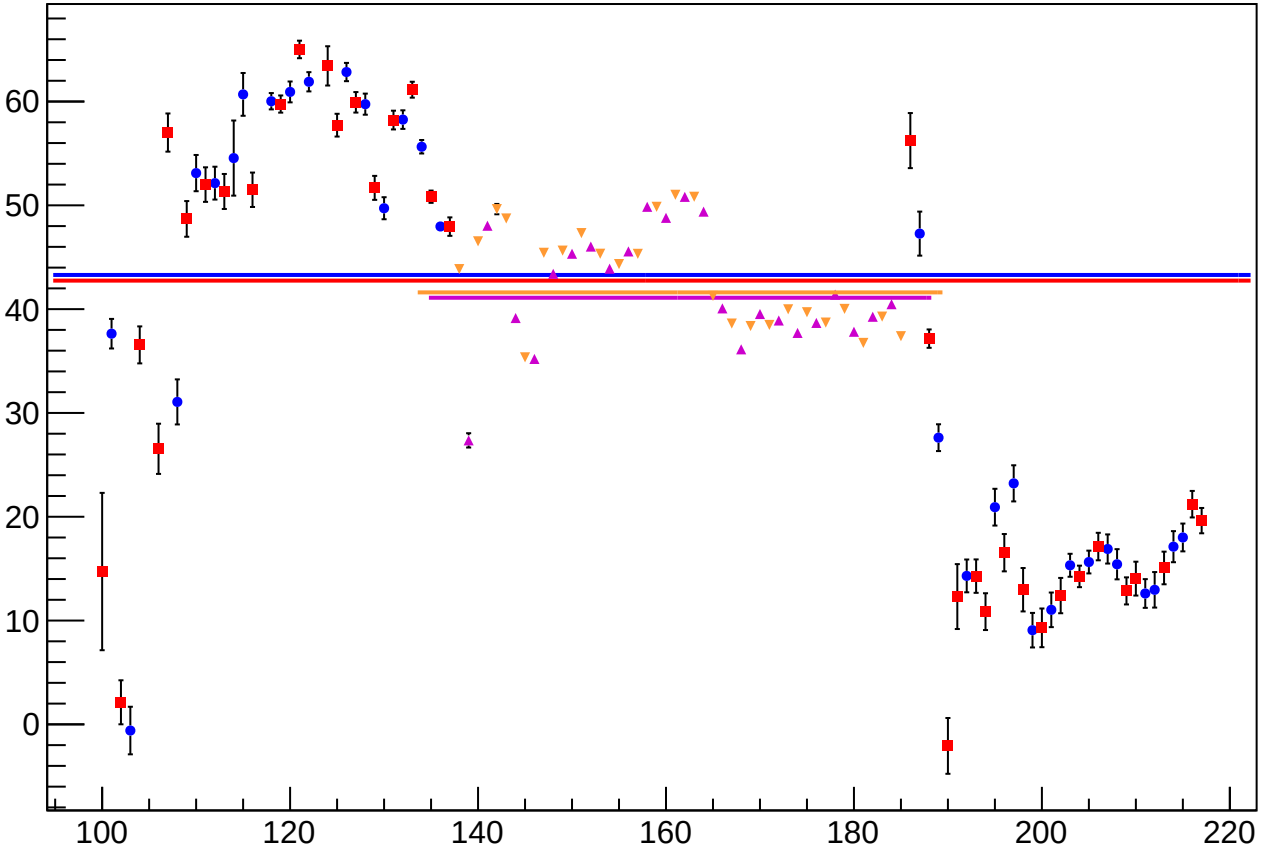
In: -1.583+/-0.054 χ^2/NDF:10229.4/53

Out: -1.686+/-0.053 χ^2/NDF:9836.0/60

All: -1.635+/-0.038 χ^2/NDF: 20067.2/114


reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
70
60
50
40
30
20
10
0
100
120
140
160
180
200
220
Right In: 34.085+/-0.157 χ²/NDF: 4660.0/30
Left Out: 21.768+/-0.069 χ²/NDF:6814.2/24
Right Out: 34.022+/-0.153 χ²/NDF: 5170.2/35
Left In: 21.472+/-0.071 χ²/NDF:5787.4/22
Left: 21.623+/-0.049 χ²/NDF: 12610.6/47
Right: 34.053+/-0.110 χ²/NDF: 9830.2/66
In: 23.597+/-0.064 χ²/NDF:15823.7/53
Out: 23.831+/-0.063 χ²/NDF:17315.9/60
All: 23.717+/-0.045 χ²/NDF: 33146.4/114

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.293+/-0.202 χ^2/NDF: 8305.7/30

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 42.748+/-0.209 χ^2/NDF: 8520.2/35

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

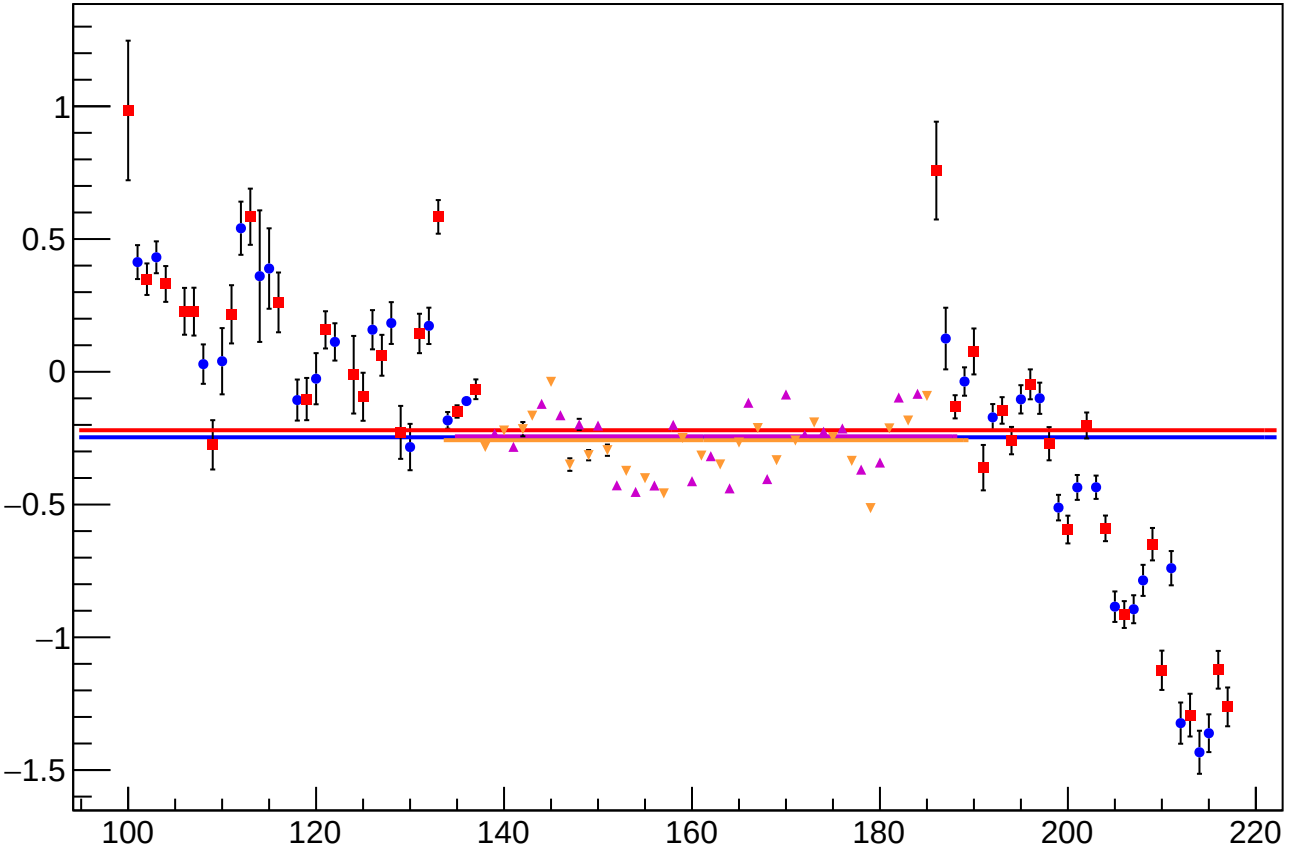
Right: 43.030+/-0.145 χ^2/NDF: 16829.5/66

In: 41.291+/-0.060 χ^2/NDF:13891.8/53

Out: 41.703+/-0.059 χ^2/NDF:14323.4/60

All: 41.501+/-0.042 χ^2/NDF: 28239.4/114

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: -0.220+/-0.010 χ^2/NDF: 1681.5/35

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

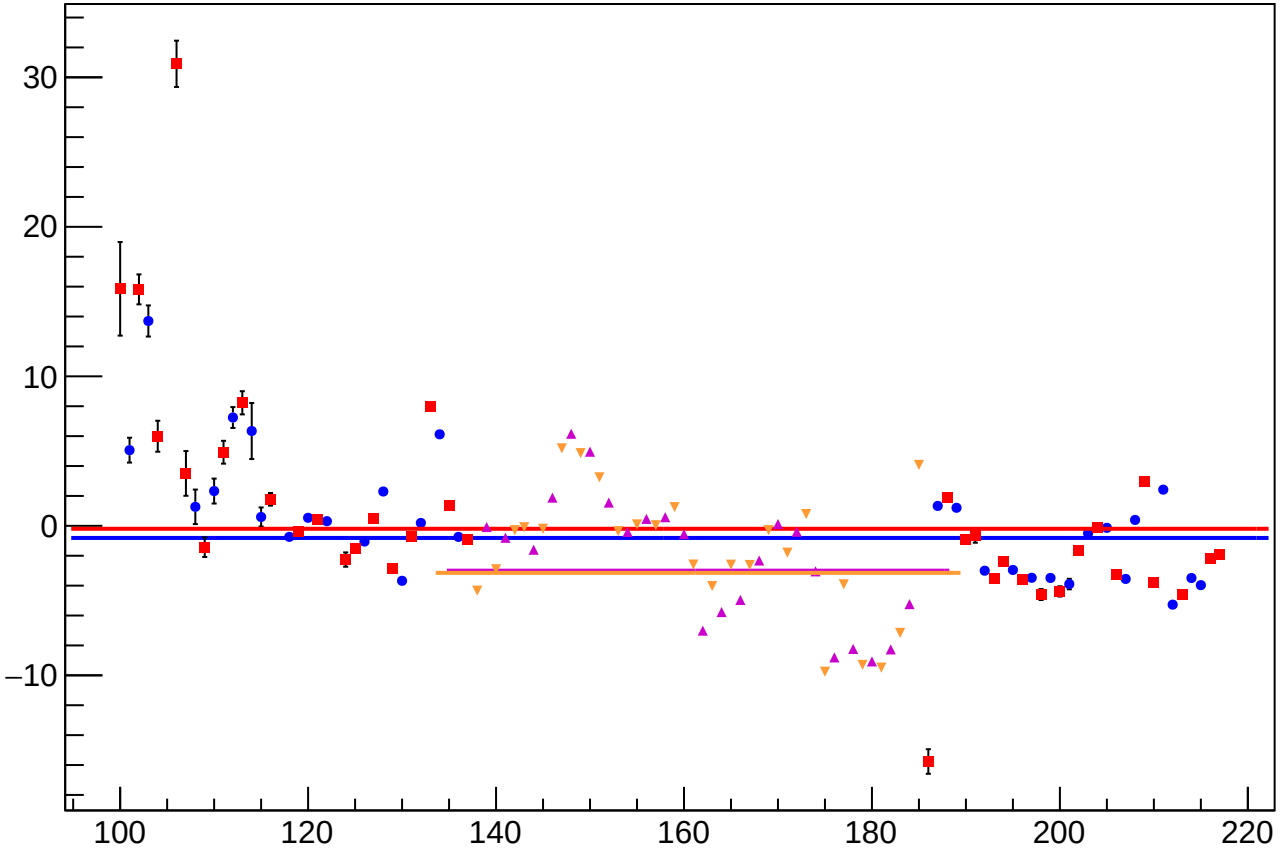
Right: -0.234+/-0.007 χ^2/NDF: 3391.7/66

In: -0.243+/-0.003 χ^2/NDF:3518.6/53

Out: -0.255+/-0.003 χ^2/NDF:3209.2/60

All: -0.249+/-0.002 χ^2/NDF: 6737.8/114

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -0.197+/-0.044 χ^2/NDF: 5732.8/35

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

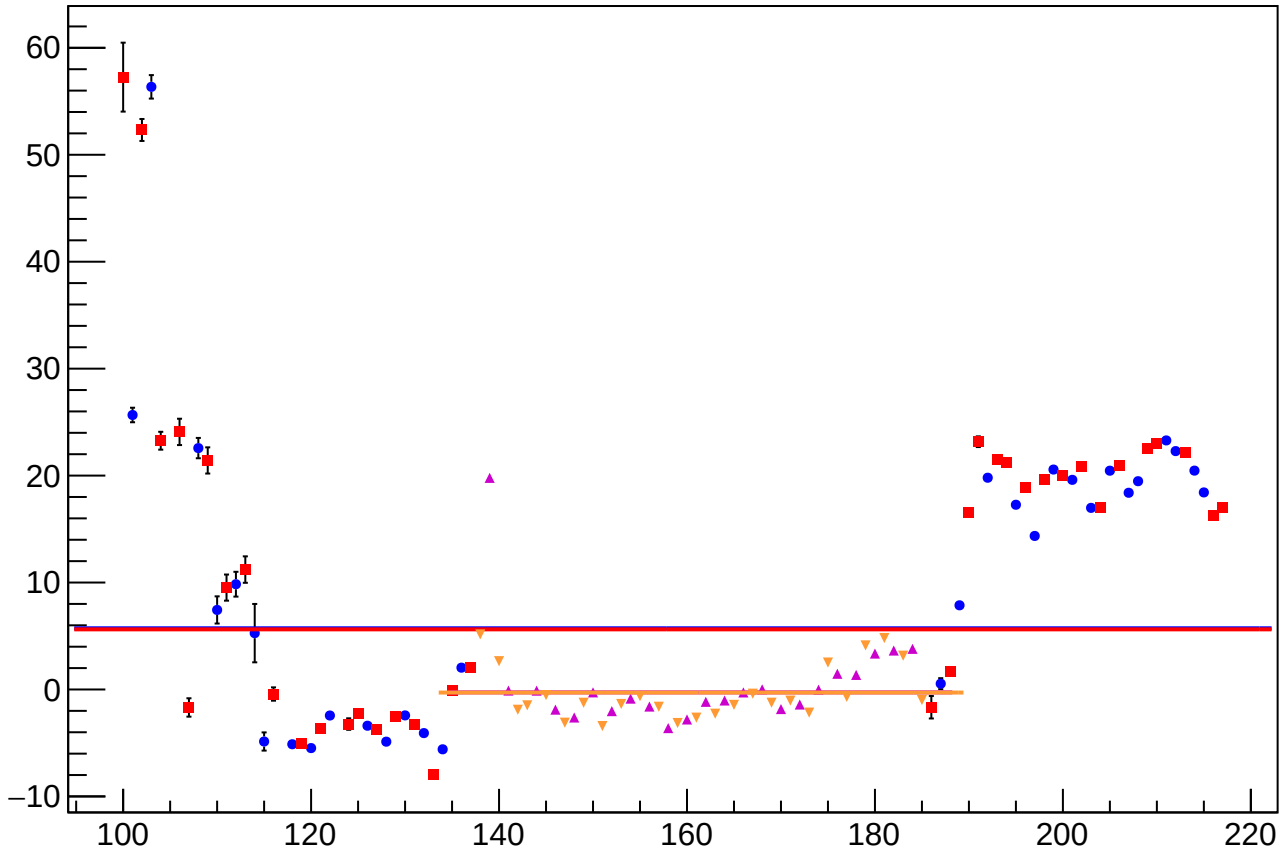
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: -0.494+/-0.032 χ^2/NDF: 9023.7/66

In: -2.392+/-0.024 χ^2/NDF:27265.5/53

Out: -2.319+/-0.024 χ^2/NDF:34254.8/60

All: -2.354+/-0.017 χ^2/NDF: 61525.0/114



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: 5.622+/-0.052 χ^2/NDF: 53026.0/35

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

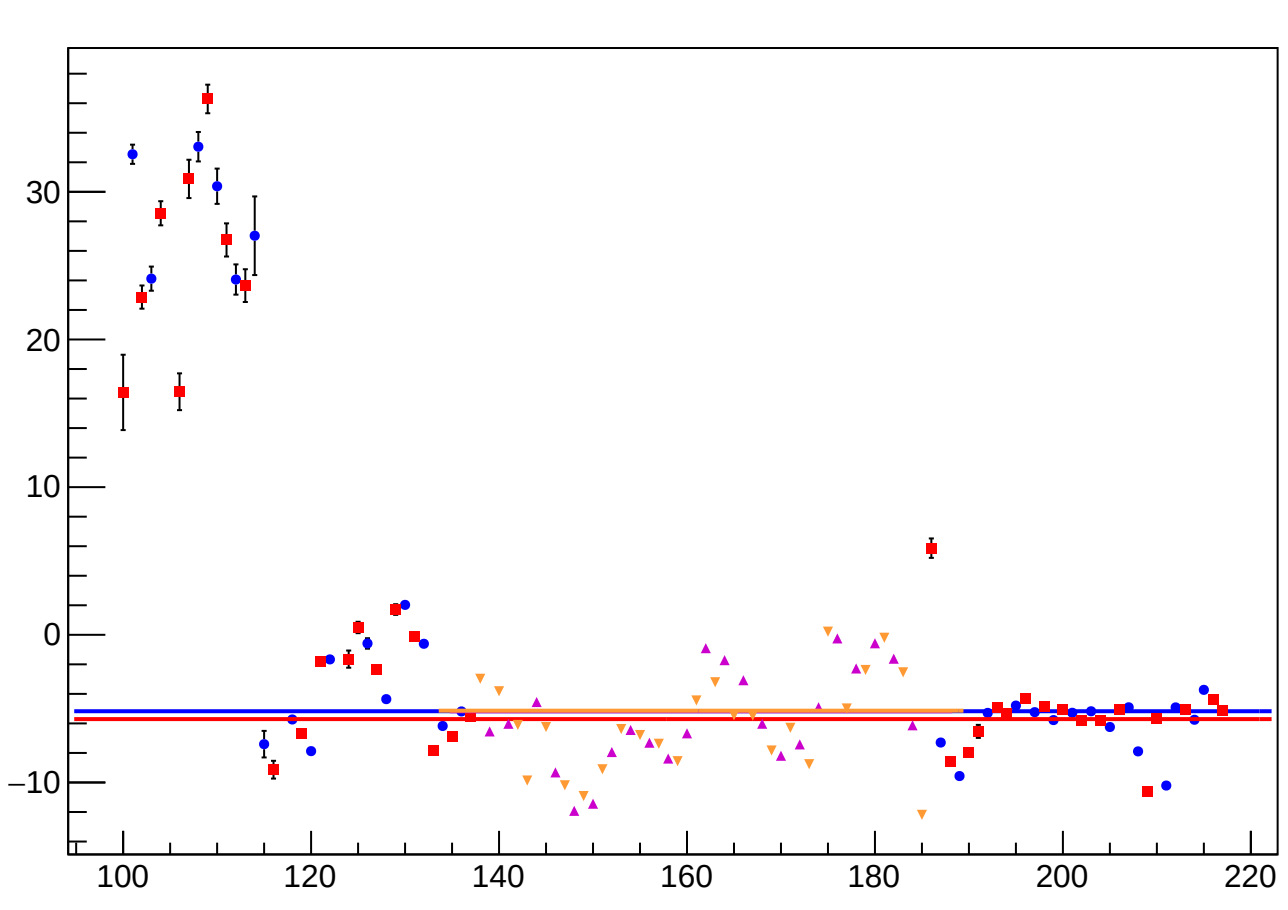
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

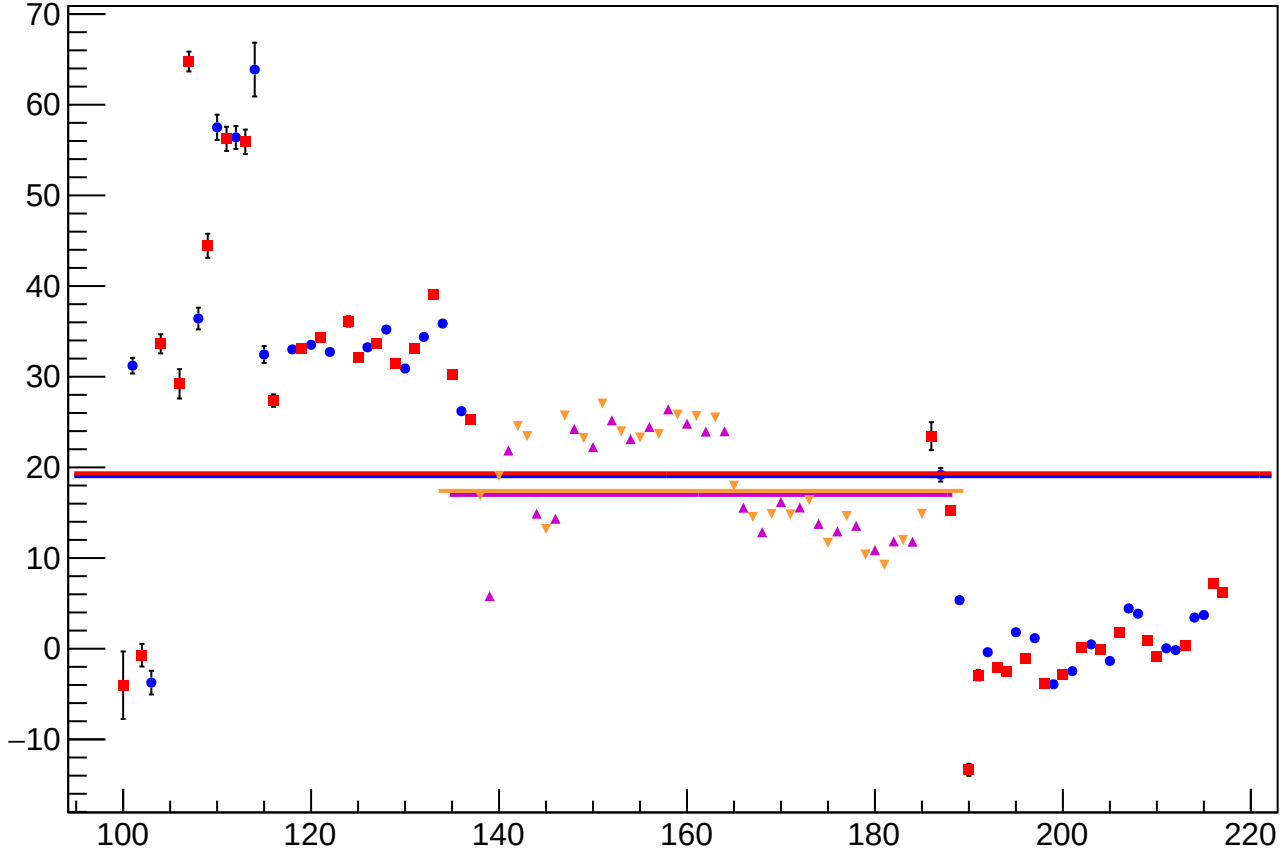
Right: 5.670+/-0.038 χ^2/NDF: 97470.5/66

In: 0.601+/-0.021 χ^2/NDF:68176.9/53

Out: 0.593+/-0.020 χ^2/NDF:76170.7/60

All: 0.597+/-0.014 χ^2/NDF: 144347.7/114


reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
120
140
160
180
200
220
Right In: -5.175+/-0.046 χ²/NDF: 10760.5/30
Left Out: -5.138+/-0.028 χ²/NDF:14626.0/24
Right Out: -5.708+/-0.044 χ²/NDF: 11548.1/35
Left In: -5.177+/-0.028 χ²/NDF:13963.7/22
Left: -5.157+/-0.020 χ²/NDF: 28590.7/47
Right: -5.457+/-0.032 χ²/NDF: 22378.5/66
In: -5.177+/-0.024 χ²/NDF:24724.3/53
Out: -5.302+/-0.023 χ²/NDF:26295.1/60
All: -5.241+/-0.017 χ²/NDF: 51033.0/114



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: 19.349+/-0.060 χ^2/NDF: 78619.6/35

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

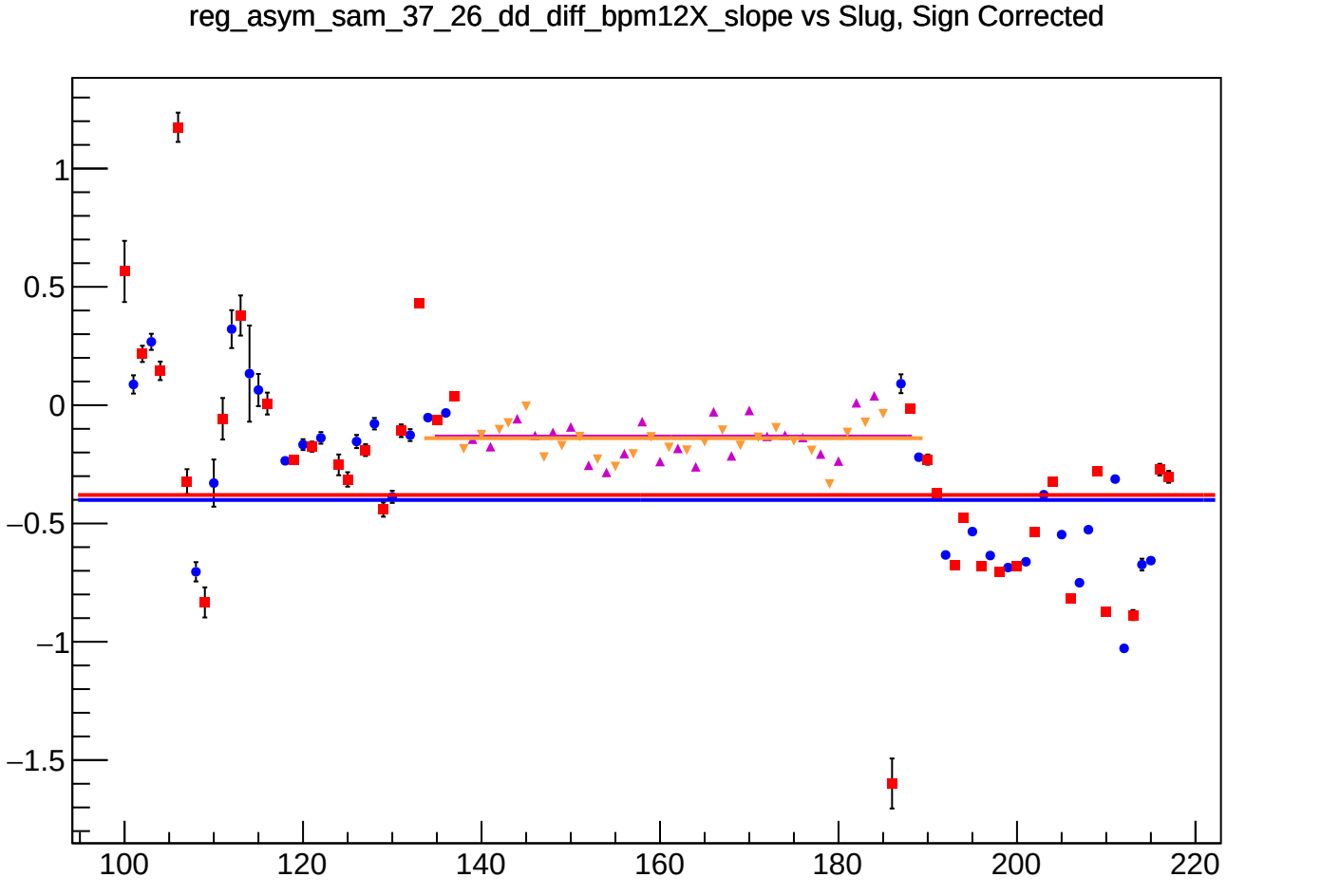
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 19.193+/-0.043 χ^2/NDF: 143518.0/66

In: 17.258+/-0.023 χ^2/NDF:105784.0/53

Out: 17.682+/-0.023 χ^2/NDF:130136.5/60

All: 17.475+/-0.016 χ^2/NDF: 236091.2/114



Right In: -0.401+/-0.003 χ^2/NDF: 9865.0/30

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.380+/-0.003 χ^2/NDF: 14198.7/35

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

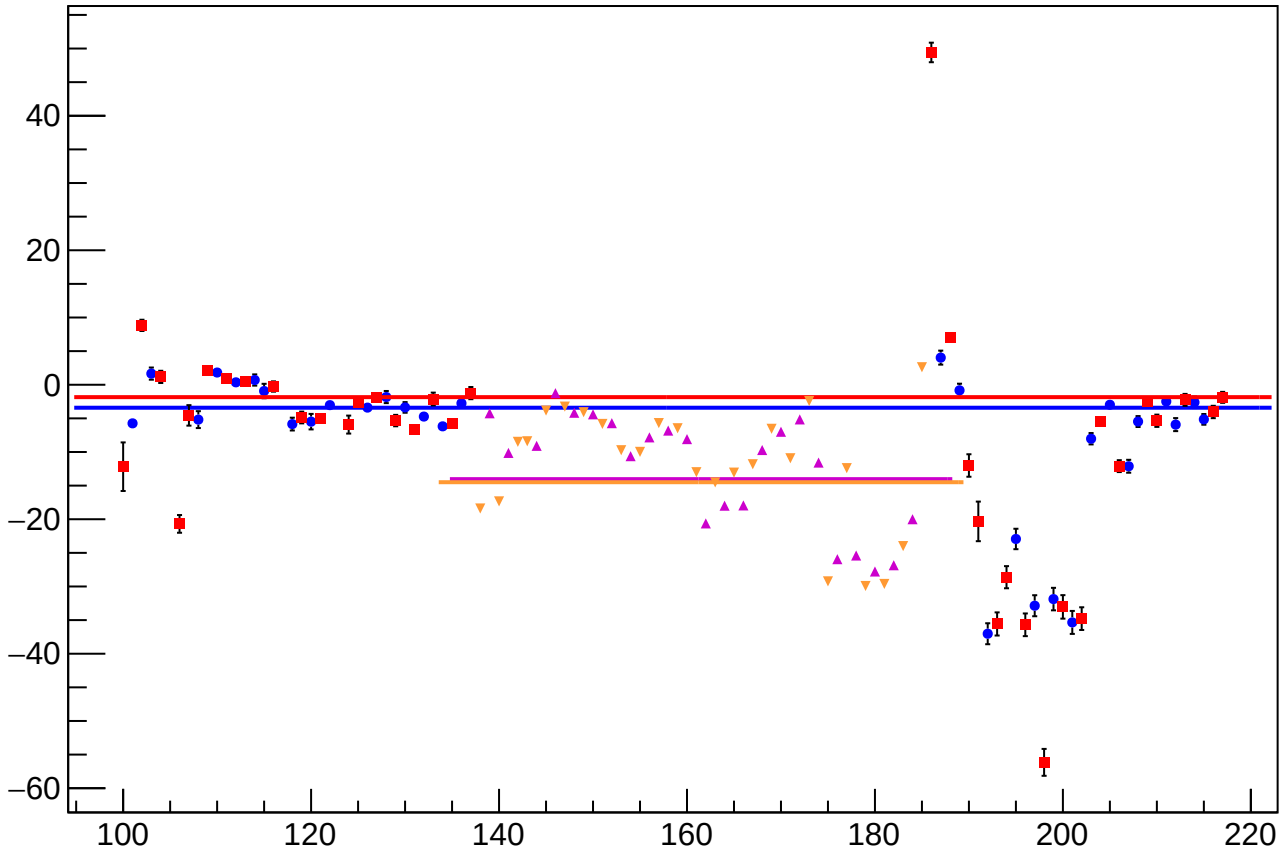
Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

Right: -0.390+/-0.002 χ^2/NDF: 24091.7/66

In: -0.168+/-0.001 χ^2/NDF:23104.8/53

Out: -0.172+/-0.001 χ^2/NDF:24776.5/60

All: -0.170+/-0.001 χ^2/NDF: 47888.2/114



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+/-0.127 χ^2/NDF: 5055.6/35

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

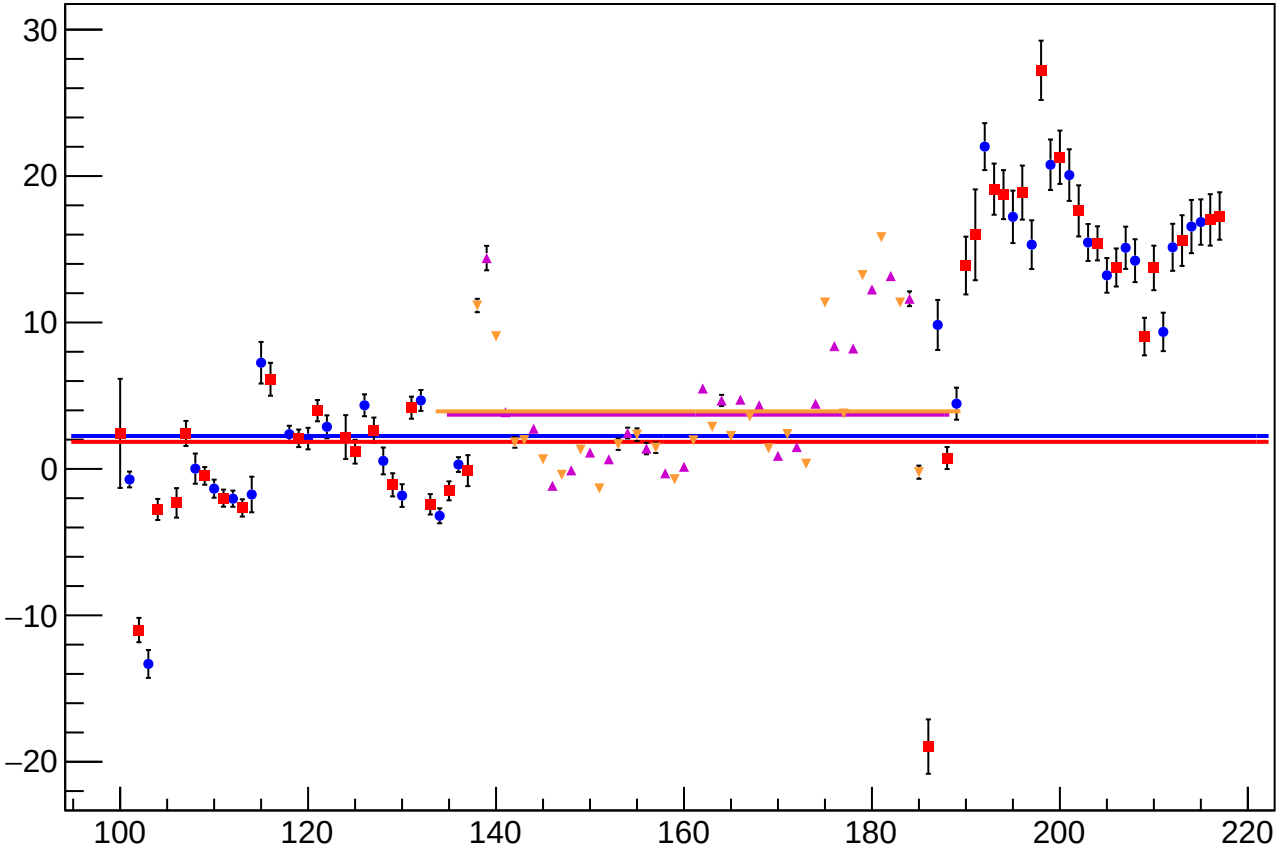
Right: -2.590+/-0.092 χ^2/NDF: 7349.8/66

In: -11.383+/-0.067 χ^2/NDF:20482.3/53

Out: -11.223+/-0.064 χ^2/NDF:29692.8/60

All: -11.300+/-0.046 χ^2/NDF: 50178.1/114

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: 1.851+/-0.159 χ^2/NDF: 1892.1/35

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

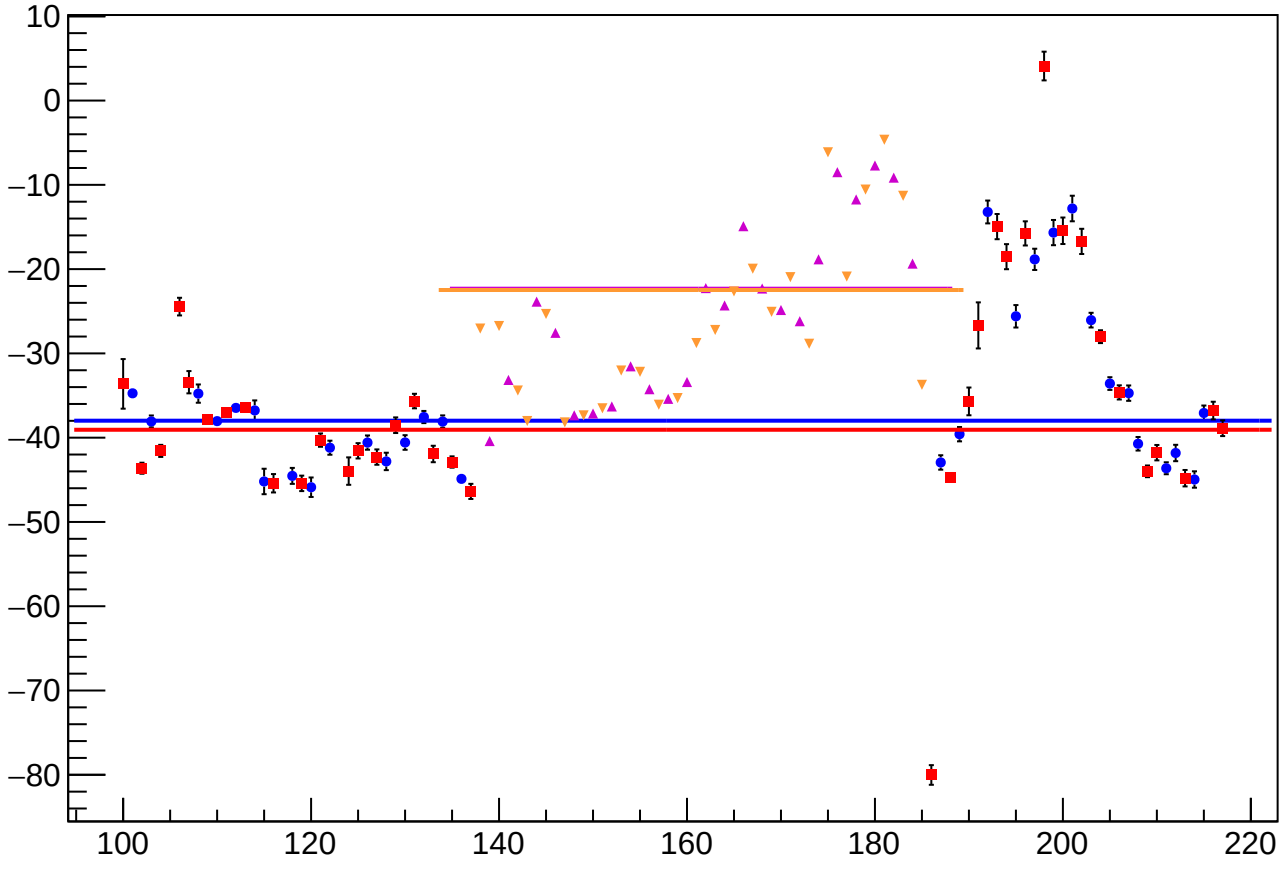
Right: 2.051+/-0.112 χ^2/NDF: 3605.3/66

In: 3.523+/-0.056 χ^2/NDF:6573.3/53

Out: 3.688+/-0.054 χ^2/NDF:9022.5/60

All: 3.607+/-0.039 χ^2/NDF: 15600.4/114

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.985+/-0.145 χ^2/NDF: 2041.9/30

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.061+/-0.142 χ^2/NDF: 4139.8/35

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

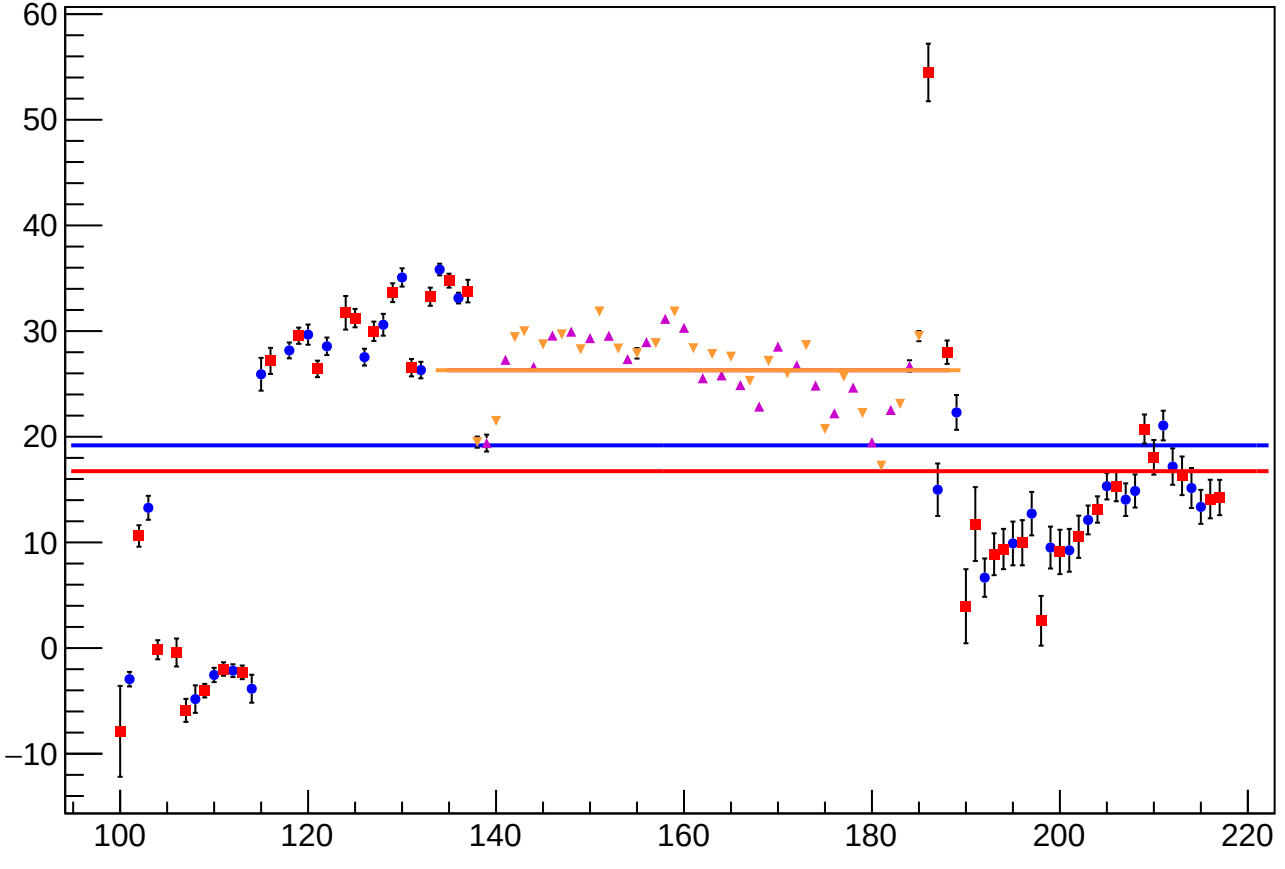
Right: -38.534+/-0.102 χ^2/NDF: 6209.6/66

In: -25.726+/-0.068 χ^2/NDF:28266.8/53

Out: -26.062+/-0.066 χ^2/NDF:35185.8/60

All: -25.898+/-0.047 χ^2/NDF: 63465.2/114

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: 16.742+/-0.181 χ^2/NDF: 7172.3/35

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

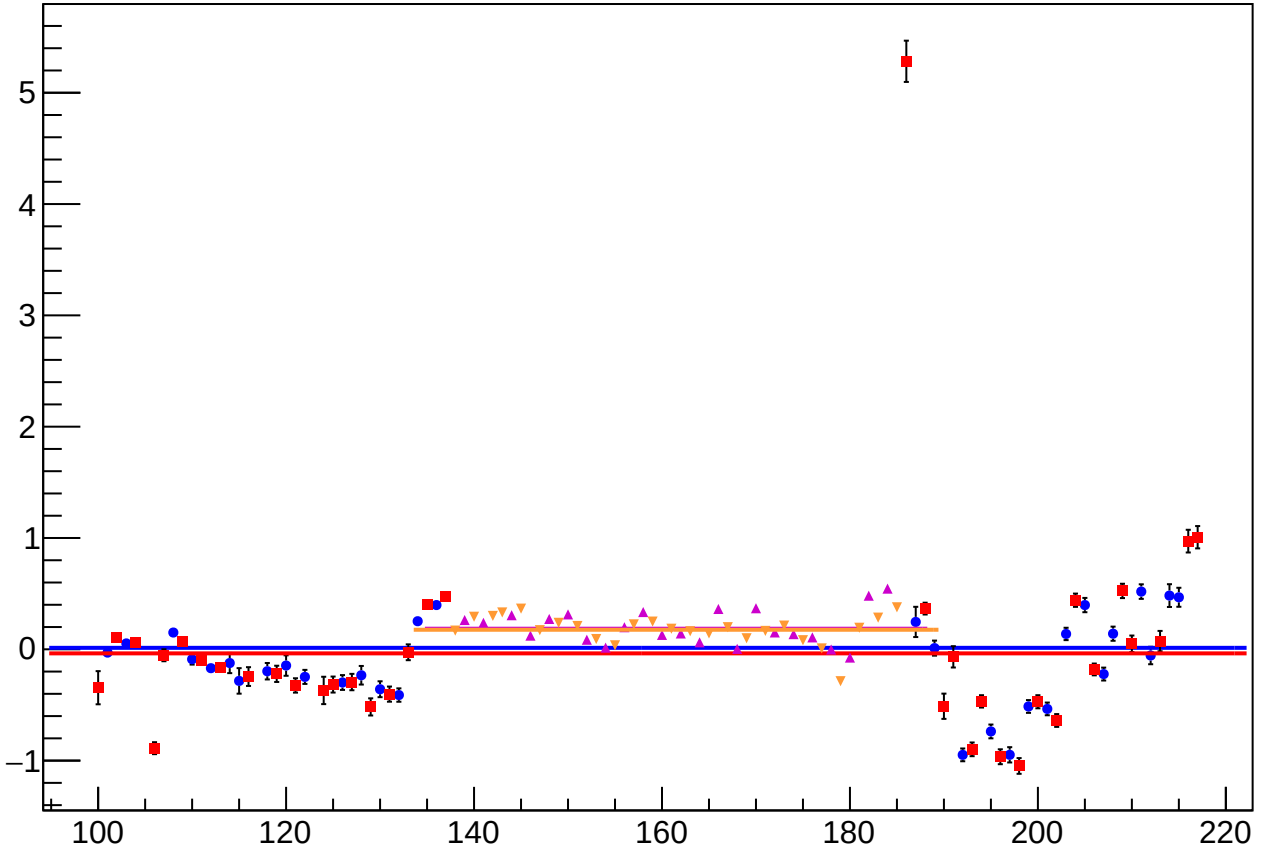
Right: 17.985+/-0.127 χ^2/NDF: 14181.5/66

In: 25.416+/-0.062 χ^2/NDF:10504.5/53

Out: 25.199+/-0.061 χ^2/NDF:12953.4/60

All: 25.305+/-0.044 χ^2/NDF: 23464.0/114

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: -0.037+/-0.009 χ^2/NDF: 2926.0/35

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

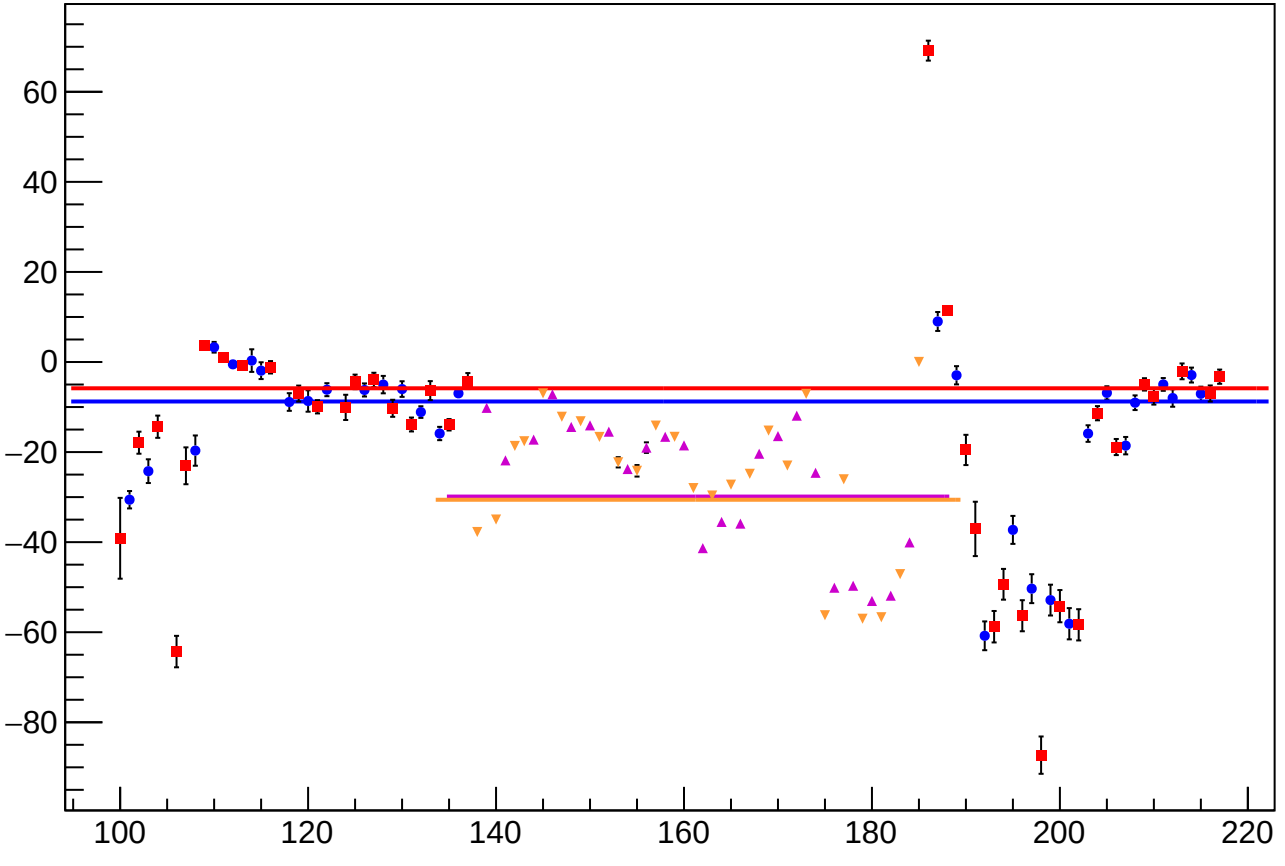
Right: -0.011+/-0.006 χ^2/NDF: 4531.8/66

In: 0.168+/-0.003 χ^2/NDF:4464.5/53

Out: 0.156+/-0.003 χ^2/NDF:5344.0/60

All: 0.162+/-0.002 χ^2/NDF: 9816.9/114

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.765+/-0.302 χ^2/NDF: 1444.1/30

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.836+/-0.295 χ^2/NDF: 3515.3/35

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

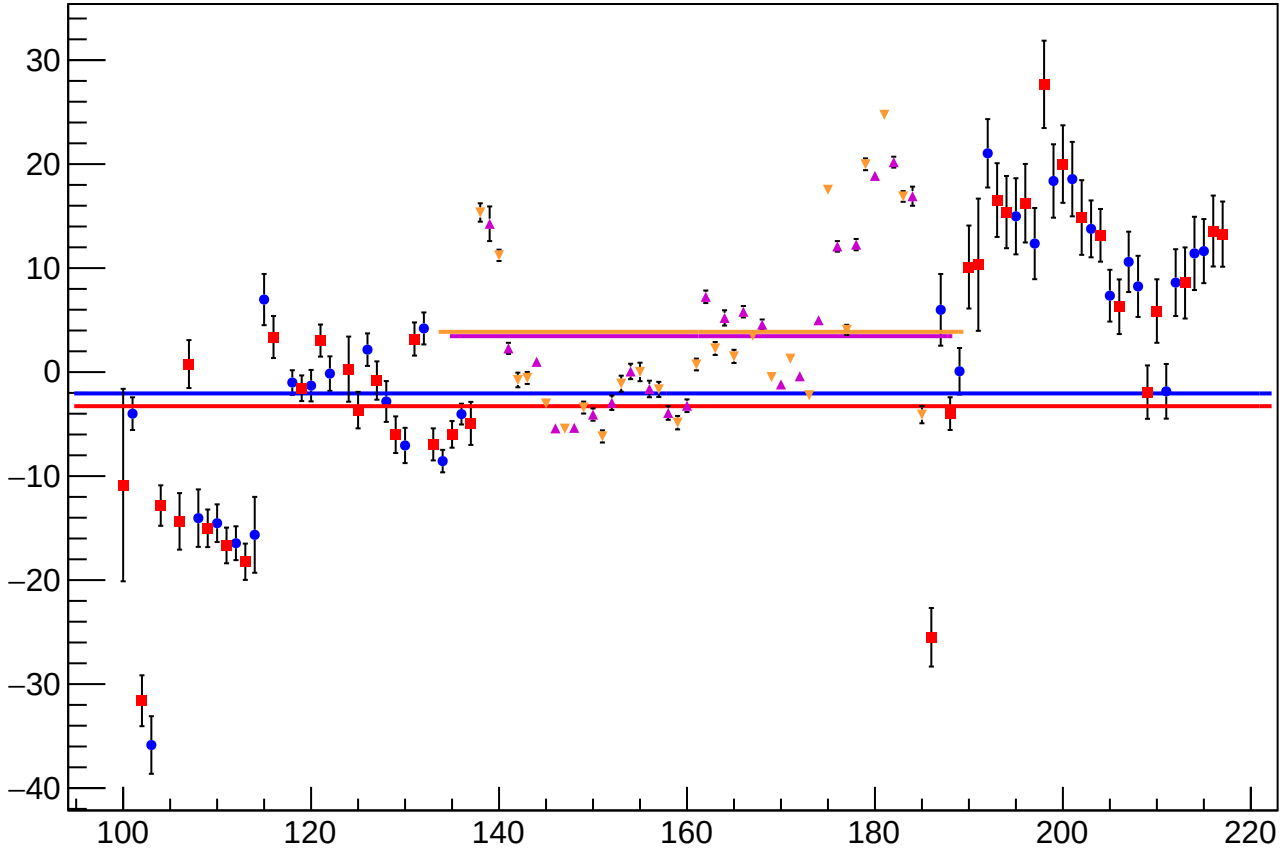
Right: -7.263+/-0.211 χ^2/NDF: 5007.7/66

In: -25.872+/-0.132 χ^2/NDF:17434.9/53

Out: -25.912+/-0.128 χ^2/NDF:25290.0/60

All: -25.892+/-0.092 χ^2/NDF: 42724.9/114

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.051+/-0.352 χ^2/NDF: 683.6/30

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.277+/-0.361 χ^2/NDF: 830.2/35

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

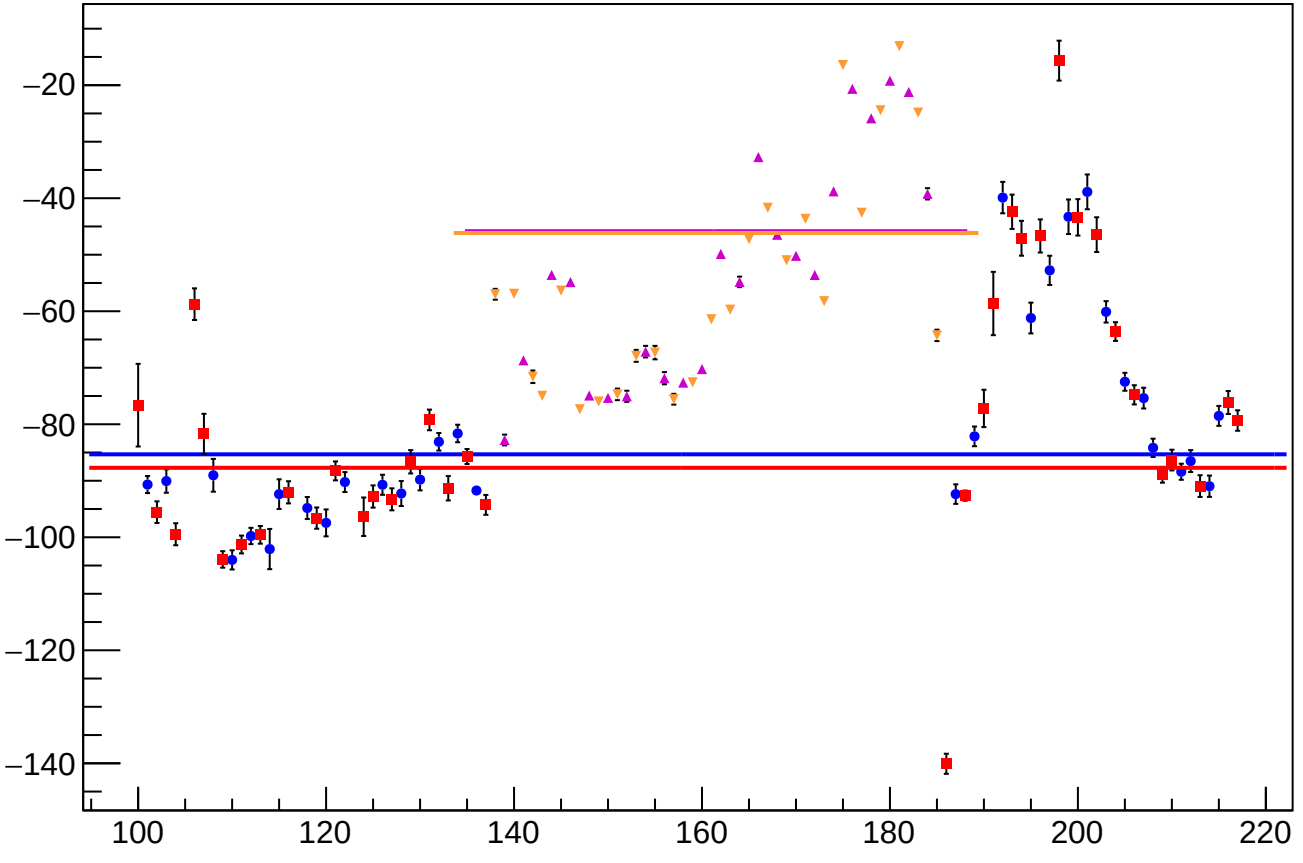
Right: -2.648+/-0.252 χ^2/NDF: 1519.7/66

In: 2.934+/-0.108 χ^2/NDF:5598.2/53

Out: 3.255+/-0.106 χ^2/NDF:7729.6/60

All: 3.098+/-0.076 χ^2/NDF: 13332.3/114

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -85.320+/-0.323 χ^2/NDF: 1656.3/30

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -87.707+/-0.319 χ^2/NDF: 3149.5/35

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

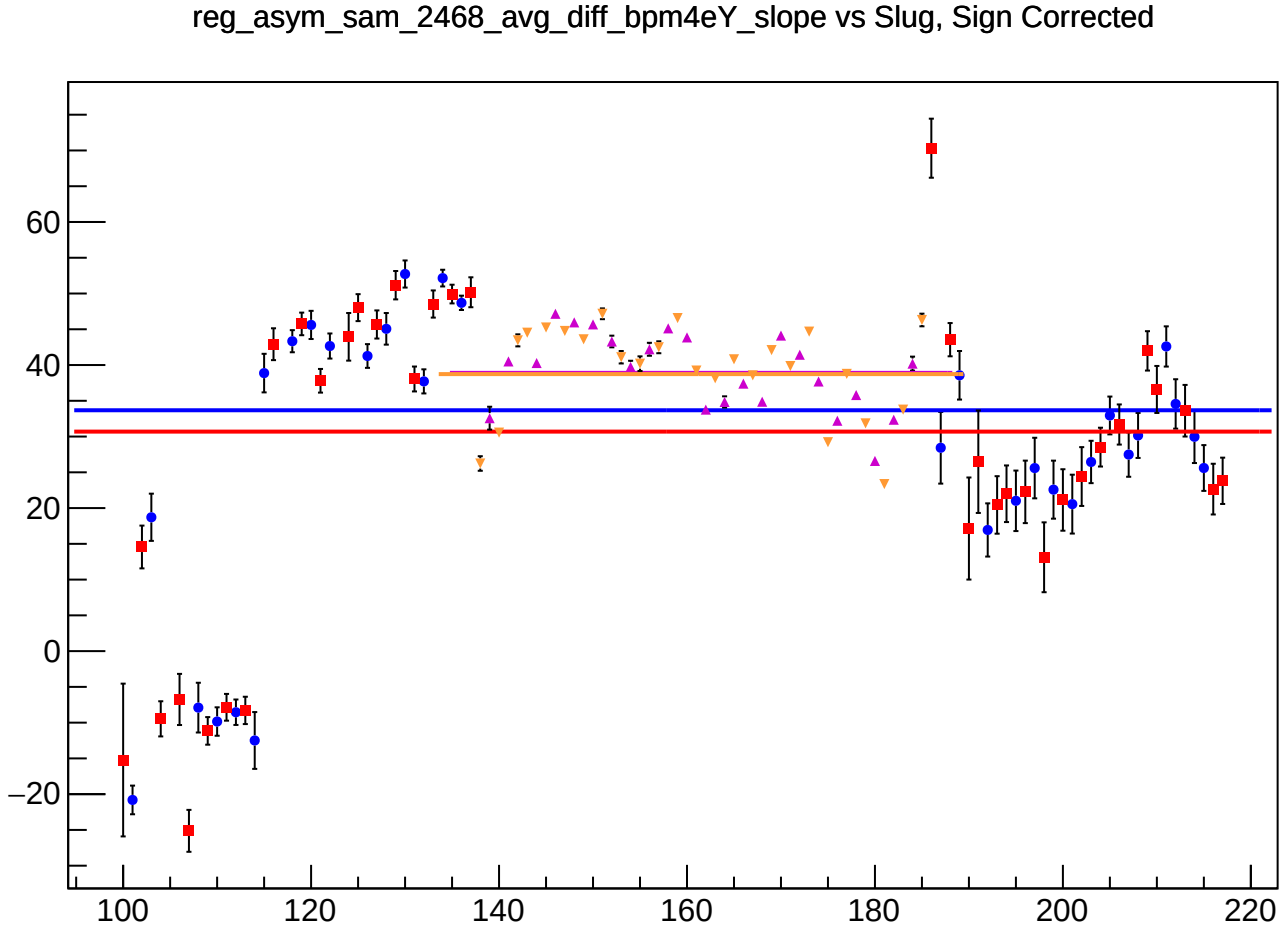
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -86.529+/-0.227 χ^2/NDF: 4833.4/66

In: -52.524+/-0.133 χ^2/NDF:31972.5/53

Out: -53.054+/-0.130 χ^2/NDF:38745.1/60

All: -52.795+/-0.093 χ^2/NDF: 70725.7/114



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: 30.692+/-0.410 χ^2/NDF: 3105.0/35

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

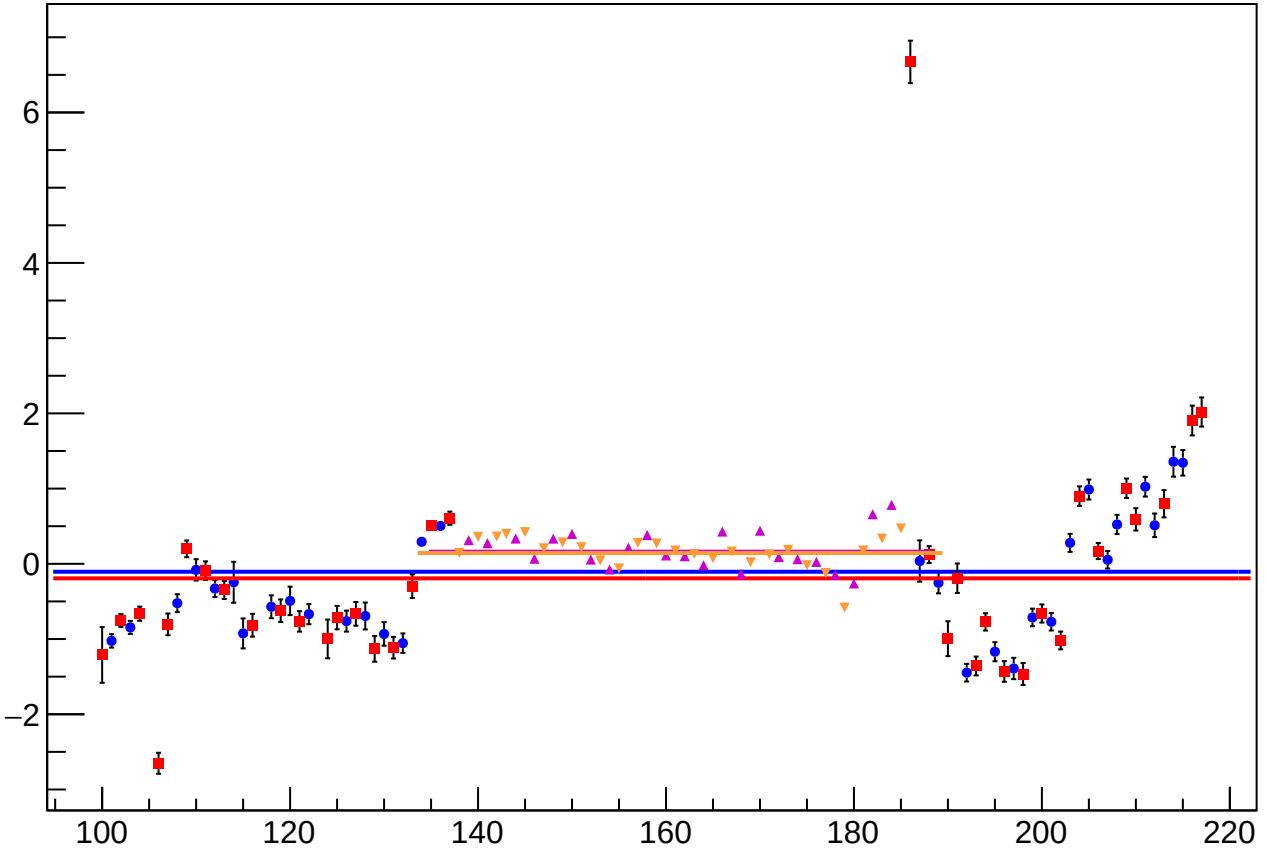
Right: 32.239+/-0.285 χ^2/NDF: 6029.7/66

In: 38.413+/-0.121 χ^2/NDF:5027.3/53

Out: 38.052+/-0.119 χ^2/NDF:6238.0/60

All: 38.229+/-0.085 χ^2/NDF: 11269.8/114

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: -0.193+/-0.021 χ^2/NDF: 2243.6/35

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

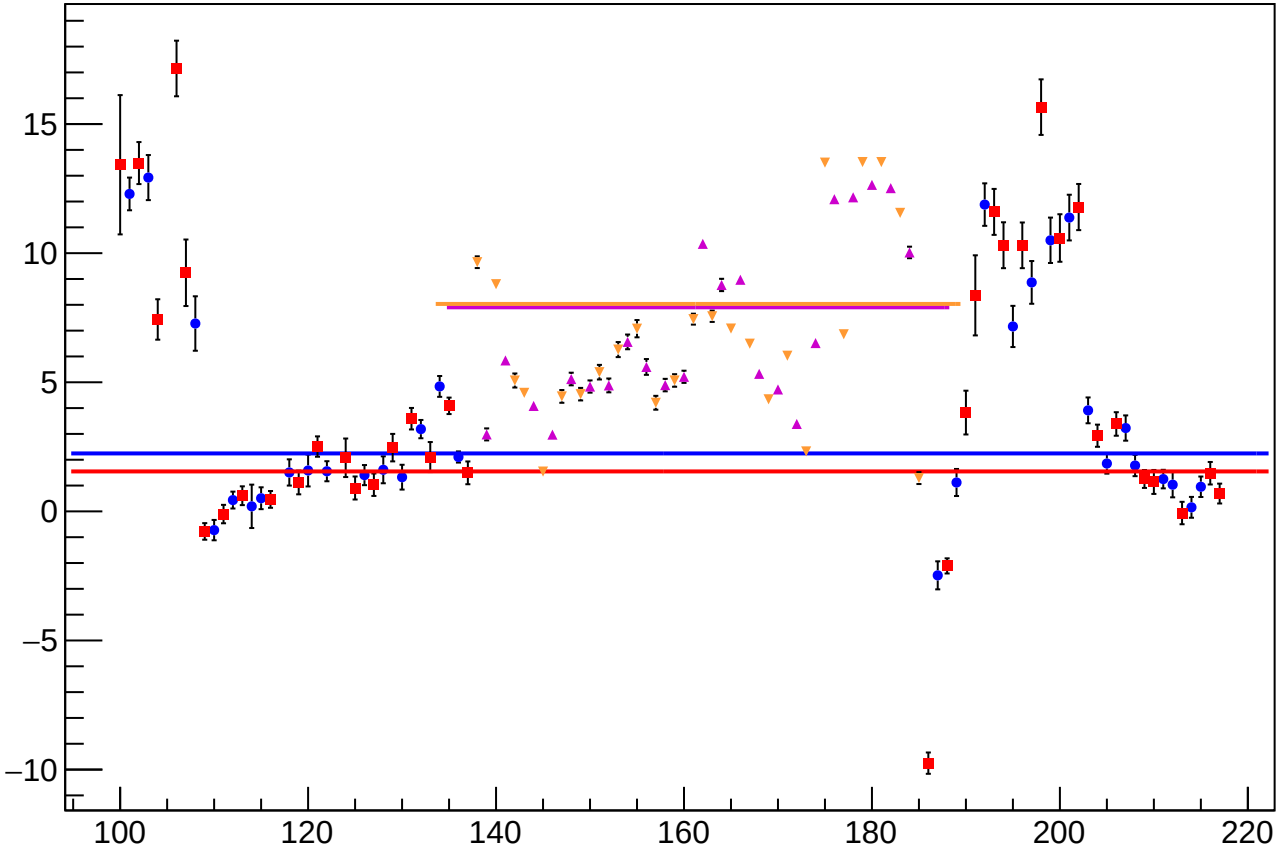
Right: -0.147+/-0.014 χ^2/NDF: 3549.0/66

In: 0.141+/-0.005 χ^2/NDF:3382.4/53

Out: 0.121+/-0.005 χ^2/NDF:3929.4/60

All: 0.131+/-0.004 χ^2/NDF: 7318.3/114

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.244+/-0.082 χ^2/NDF: 1182.4/30

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.547+/-0.080 χ^2/NDF: 2432.1/35

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

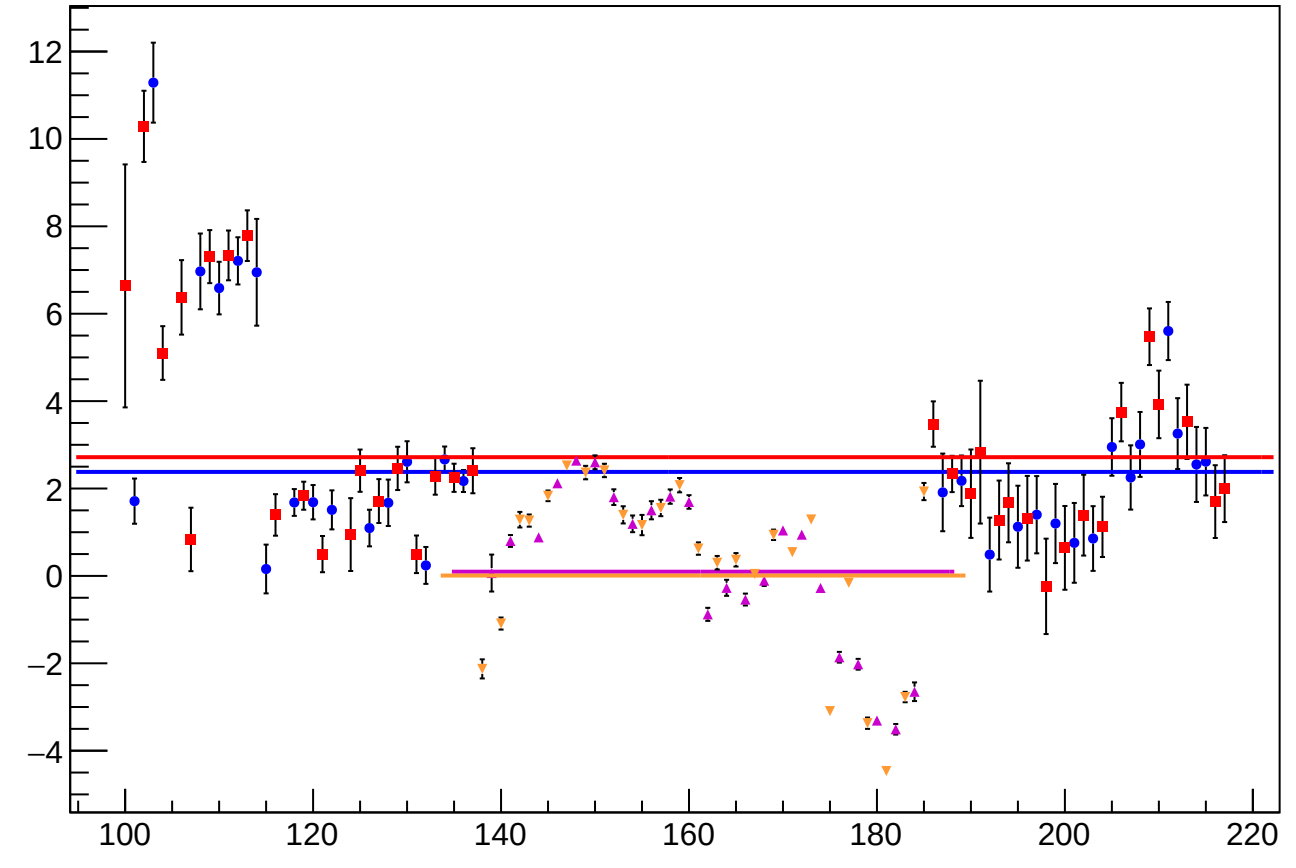
Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

Right: 1.888+/-0.057 χ^2/NDF: 3651.8/66

In: 6.991+/-0.033 χ^2/NDF:15225.7/53

Out: 7.002+/-0.032 χ^2/NDF:21907.5/60

All: 6.997+/-0.023 χ^2/NDF: 37133.3/114



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: 2.717+/-0.098 χ^2/NDF: 466.5/35

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

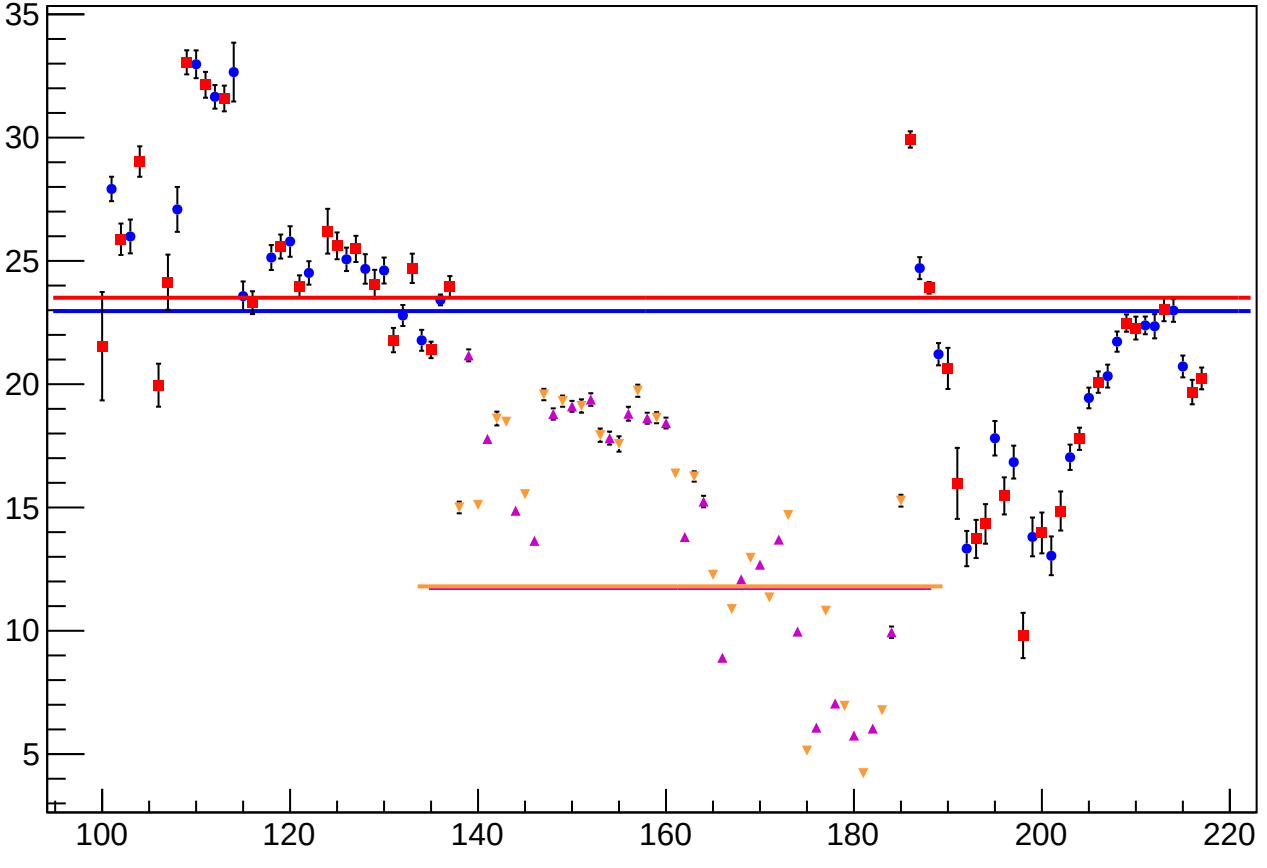
Right: 2.544+/-0.068 χ^2/NDF: 850.3/66

In: 0.279+/-0.027 χ^2/NDF:5340.1/53

Out: 0.207+/-0.026 χ^2/NDF:6940.4/60

All: 0.243+/-0.019 χ^2/NDF: 12284.1/114

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: 23.506+/-0.085 χ^2/NDF: 2771.1/35

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

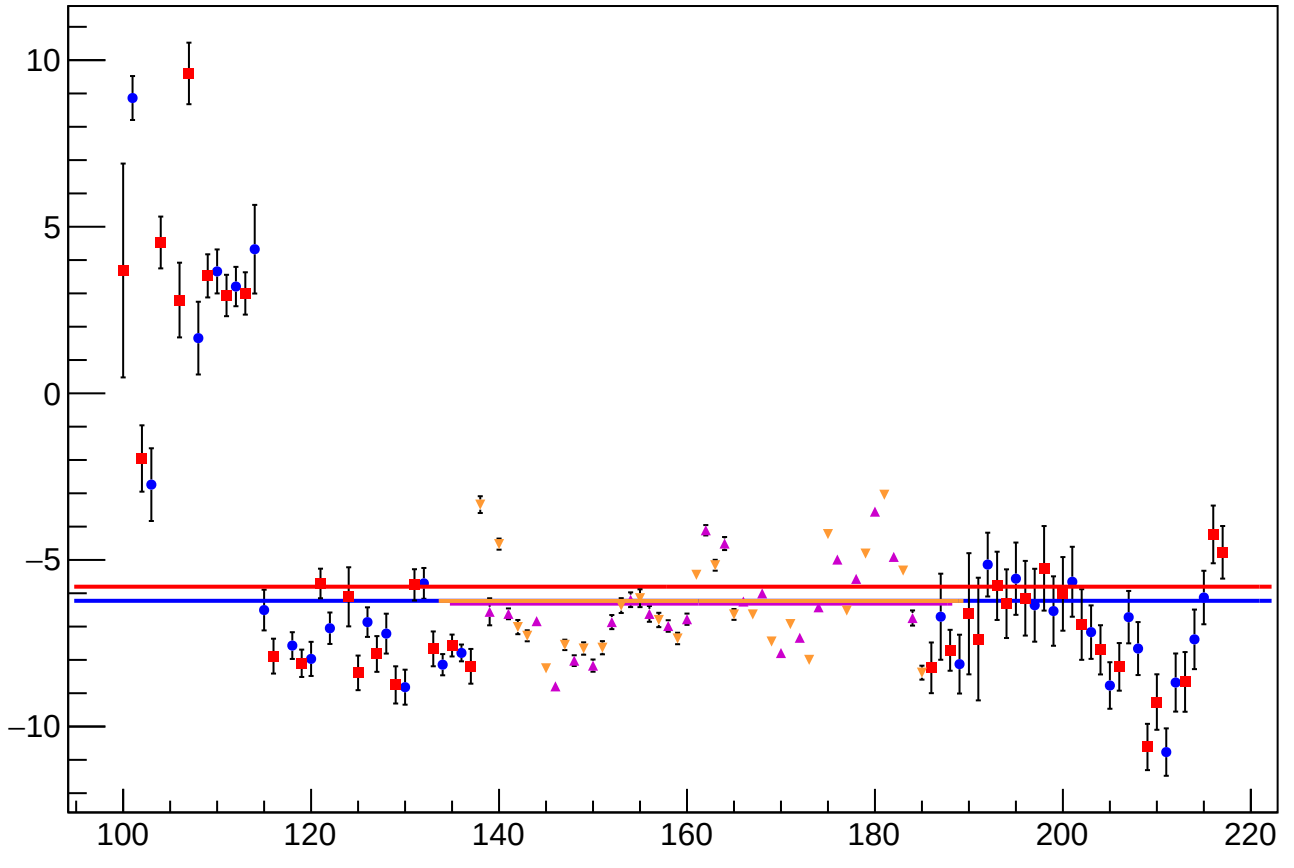
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.242+/-0.060 χ^2/NDF: 4663.2/66

In: 13.377+/-0.033 χ^2/NDF:34254.3/53

Out: 13.500+/-0.032 χ^2/NDF:40619.6/60

All: 13.440+/-0.023 χ^2/NDF: 74880.9/114



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: -5.803+/-0.111 χ^2/NDF: 1432.8/35

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

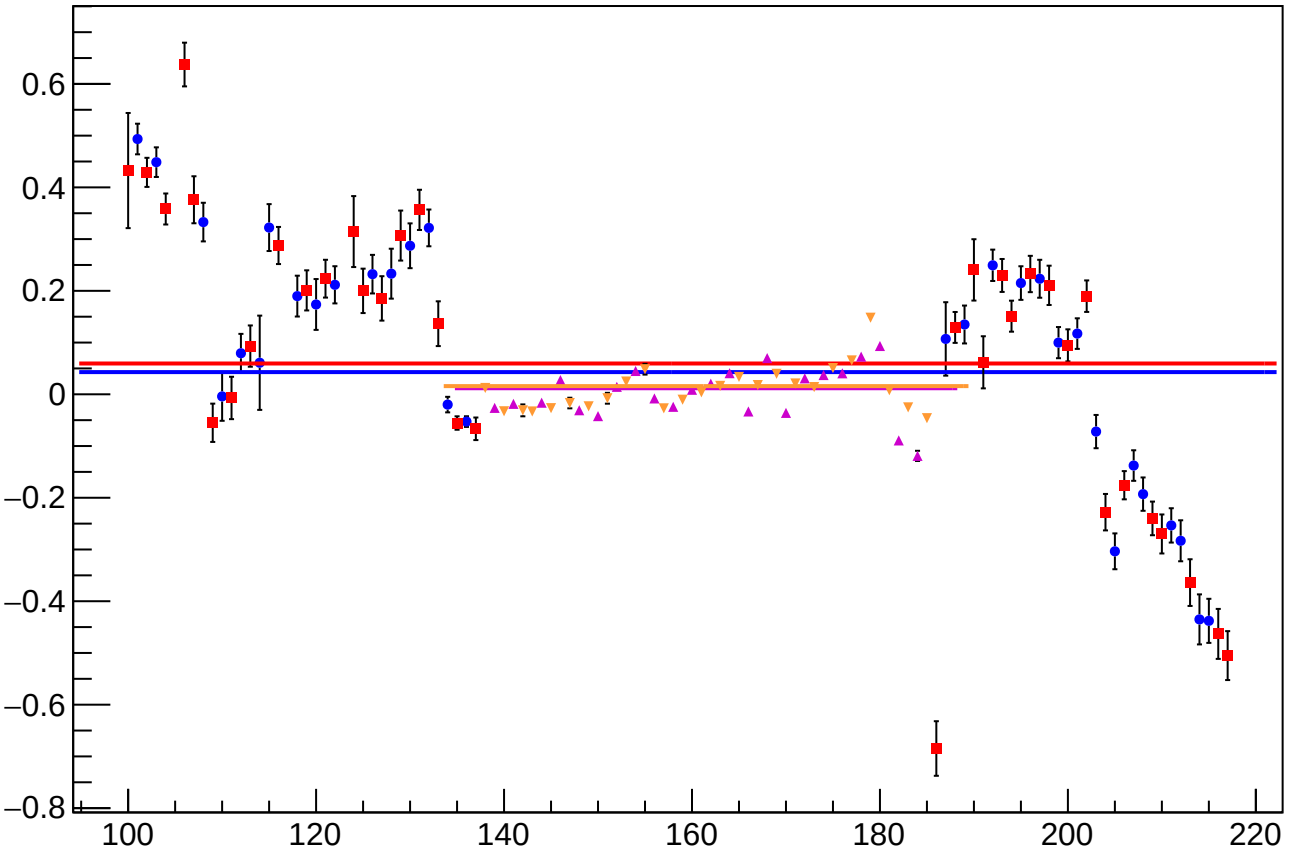
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -6.023+/-0.077 χ^2/NDF: 2775.6/66

In: -6.304+/-0.030 χ^2/NDF:3366.0/53

Out: -6.200+/-0.030 χ^2/NDF:3896.7/60

All: -6.251+/-0.021 χ^2/NDF: 7268.7/114



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: 0.060+/-0.006 χ^2/NDF: 1799.8/35

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

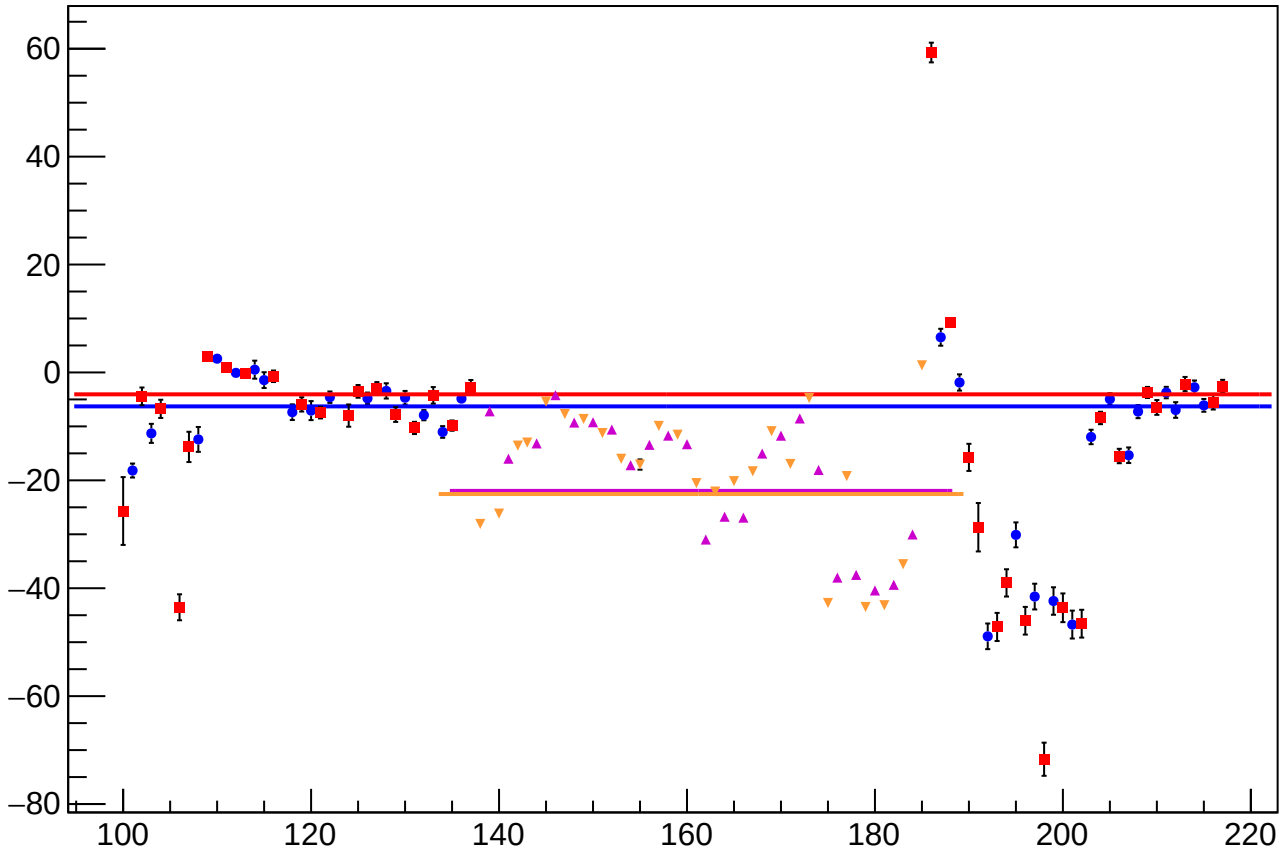
Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

Right: 0.051+/-0.004 χ^2/NDF: 3310.6/66

In: 0.014+/-0.001 χ^2/NDF:2835.9/53

Out: 0.018+/-0.001 χ^2/NDF:2790.4/60

All: 0.016+/-0.001 χ^2/NDF: 5631.9/114



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: -4.058+/-0.212 χ^2/NDF: 3915.4/35

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

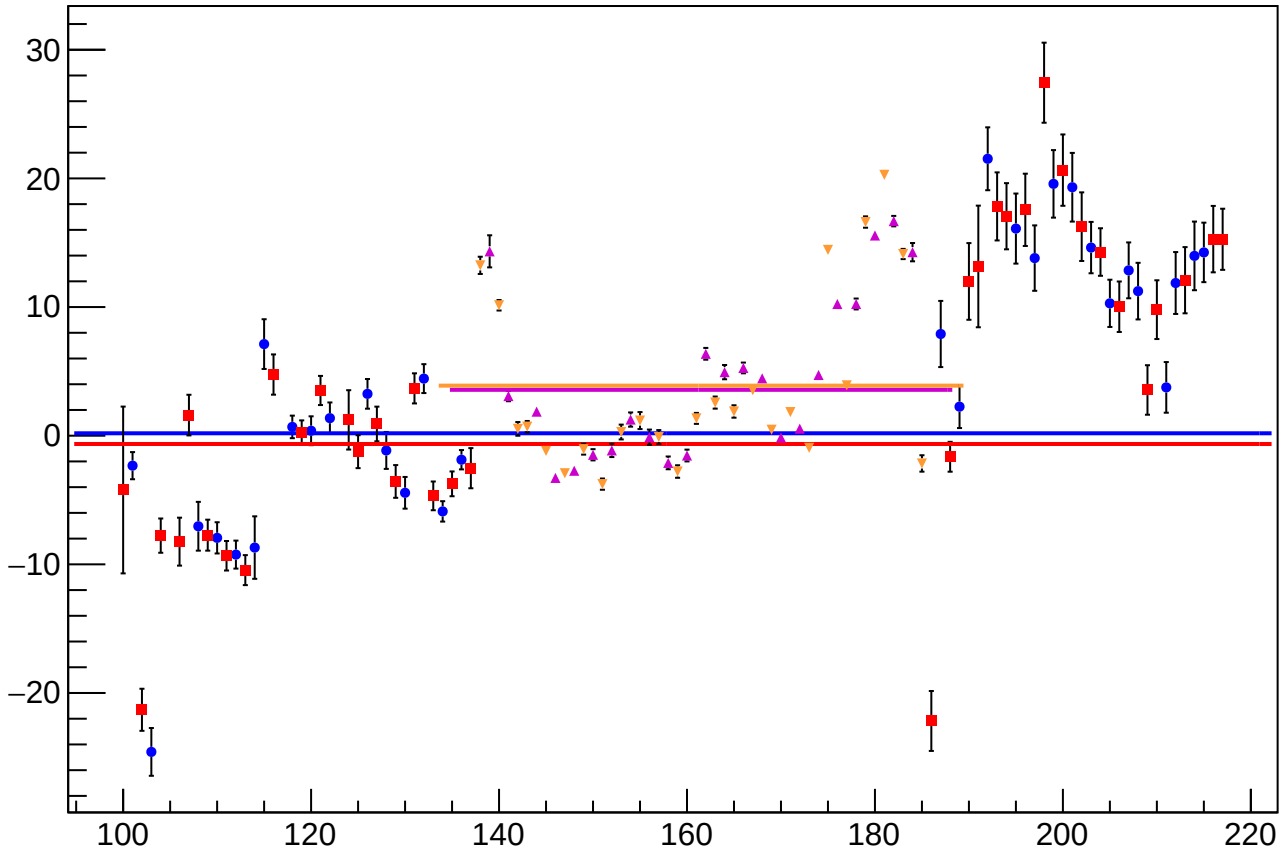
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -5.141+/-0.153 χ^2/NDF: 5586.7/66

In: -18.750+/-0.099 χ^2/NDF:18268.4/53

Out: -18.736+/-0.096 χ^2/NDF:26467.0/60

All: -18.743+/-0.069 χ^2/NDF: 44735.4/114



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: -0.645+/-0.262 χ^2/NDF: 1101.4/35

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

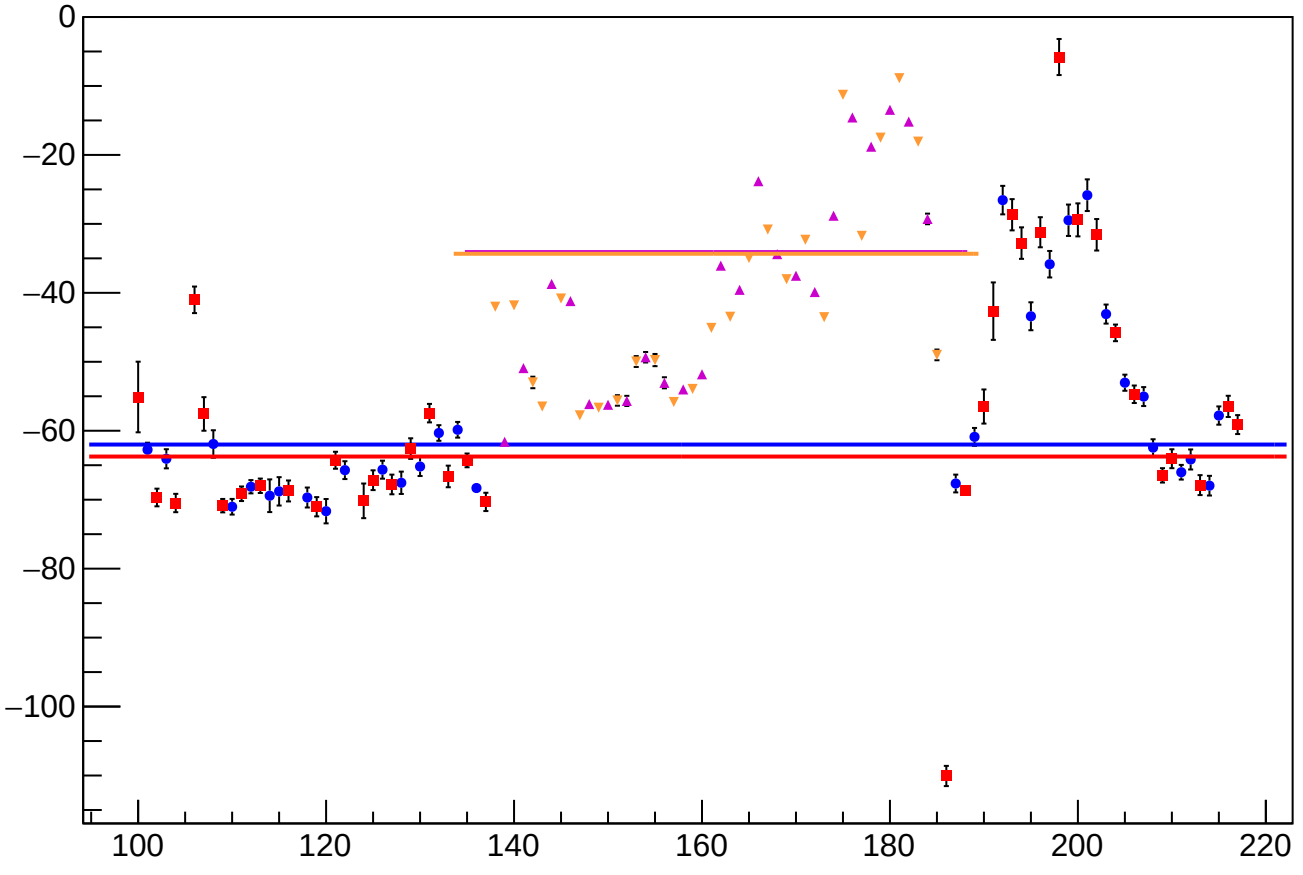
Right: -0.220+/-0.183 χ^2/NDF: 2042.5/66

In: 3.222+/-0.082 χ^2/NDF:5831.4/53

Out: 3.466+/-0.080 χ^2/NDF:8097.3/60

All: 3.346+/-0.057 χ^2/NDF: 13933.2/114

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -63.742+/-0.232 χ^2/NDF: 3349.5/35

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

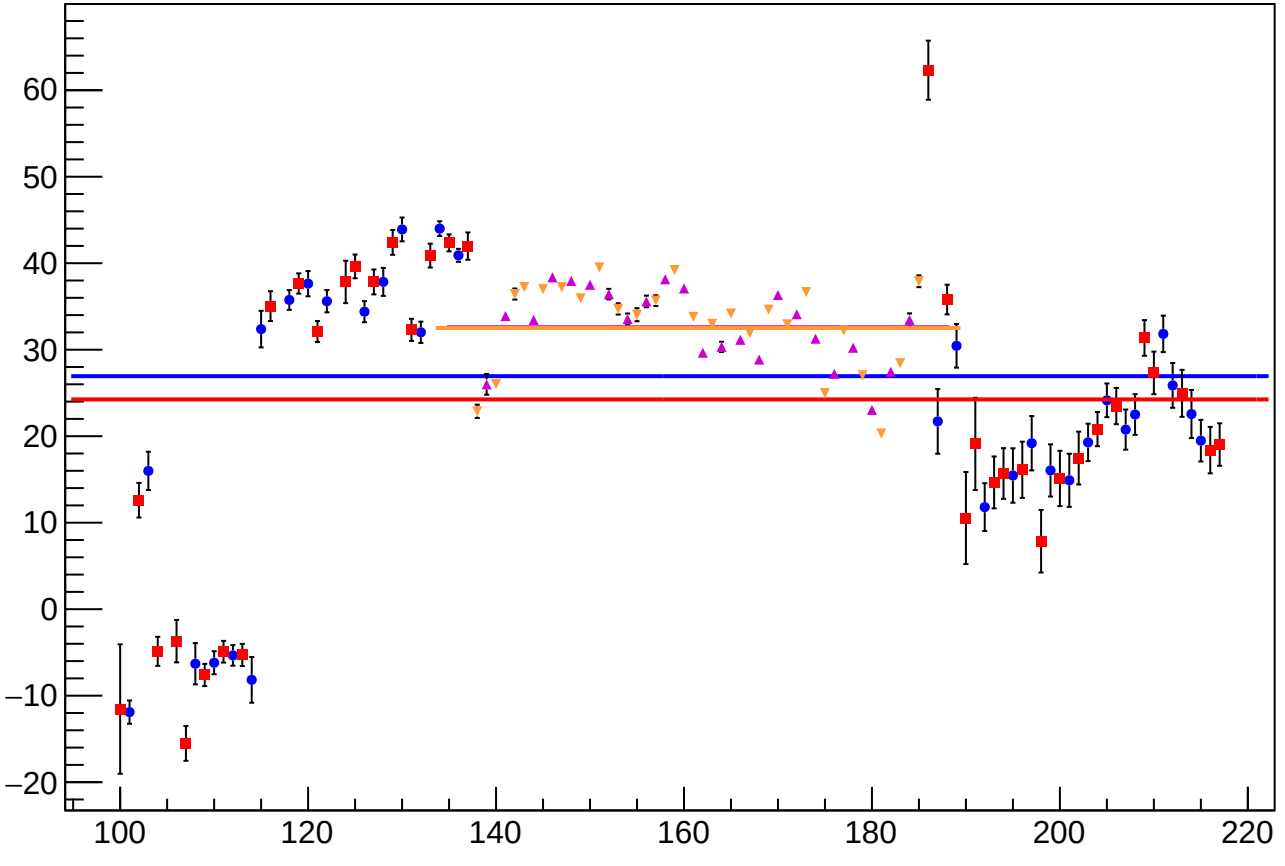
Right: -62.883+/-0.165 χ^2/NDF: 5046.3/66

In: -39.156+/-0.100 χ^2/NDF:30880.1/53

Out: -39.576+/-0.098 χ^2/NDF:37701.2/60

All: -39.371+/-0.070 χ^2/NDF: 68590.2/114

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 26.940+/-0.288 χ^2/NDF: 3865.7/30

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.253+/-0.297 χ^2/NDF: 4103.5/35

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

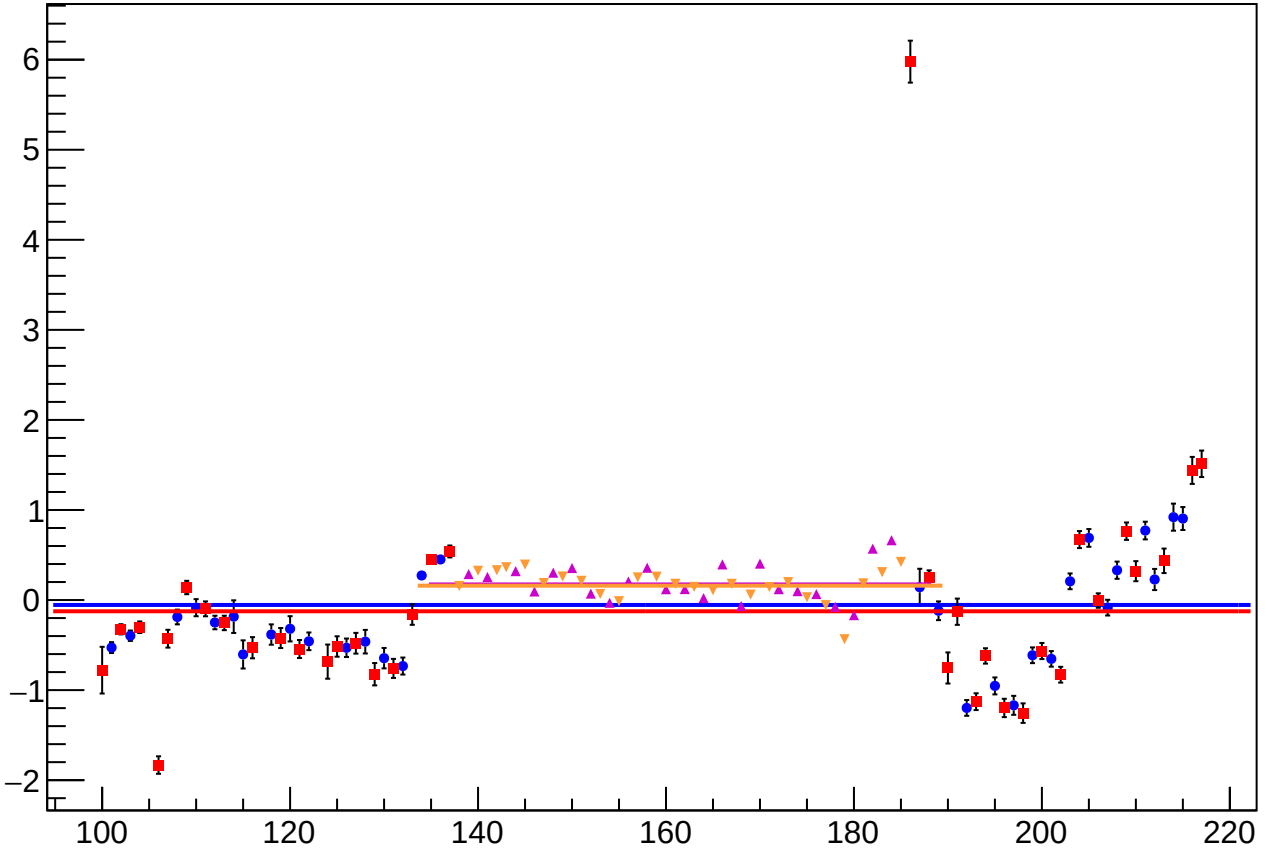
Right: 25.640+/-0.207 χ^2/NDF: 8011.3/66

In: 32.024+/-0.092 χ^2/NDF:6225.8/53

Out: 31.753+/-0.090 χ^2/NDF:7741.6/60

All: 31.886+/-0.064 χ^2/NDF: 13971.8/114

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.125+/-0.015 χ^2/NDF: 2420.7/35

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

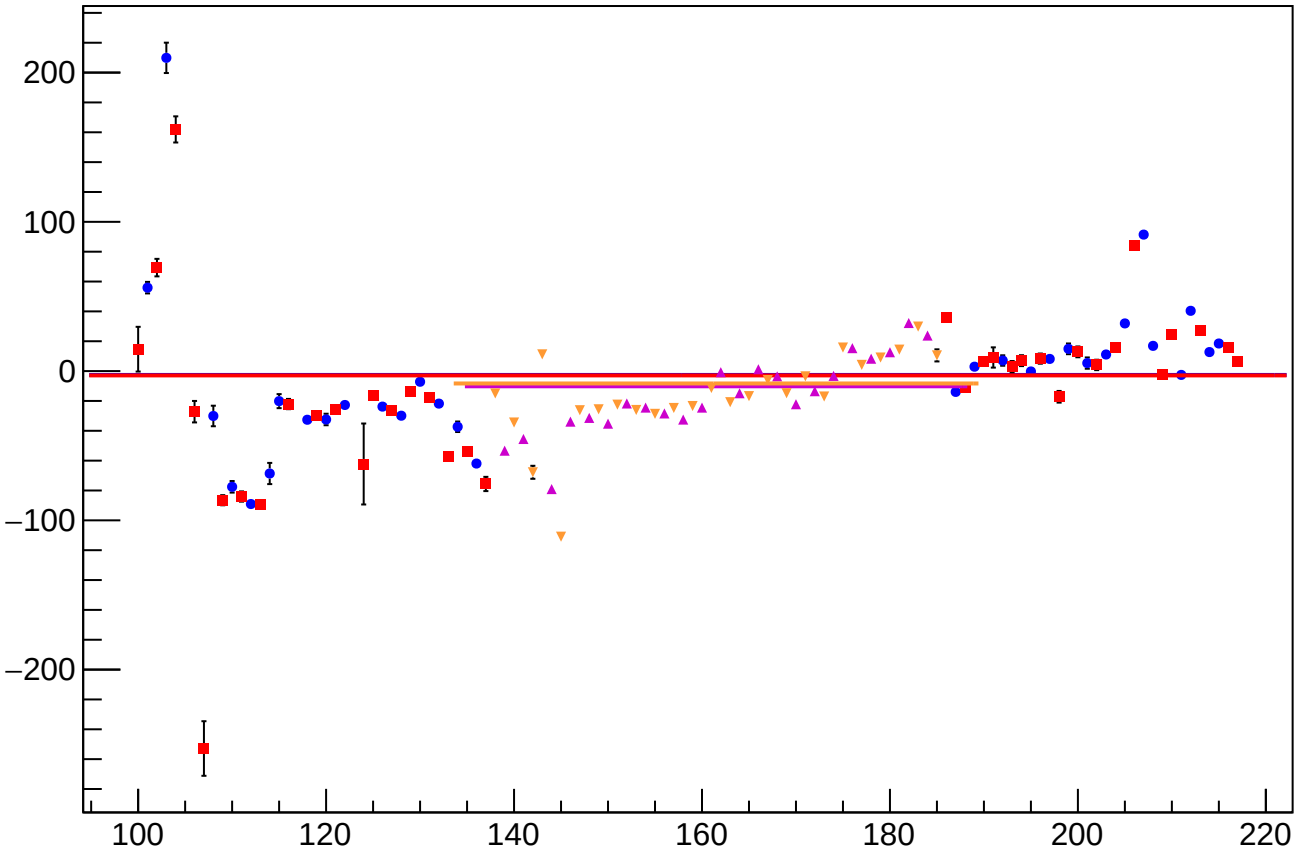
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.088+/-0.010 χ^2/NDF: 3747.9/66

In: 0.154+/-0.004 χ^2/NDF:3674.0/53

Out: 0.139+/-0.004 χ^2/NDF:4360.8/60

All: 0.147+/-0.003 χ^2/NDF: 8041.7/114



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: -2.892+/-0.477 χ^2/NDF: 5942.1/35

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

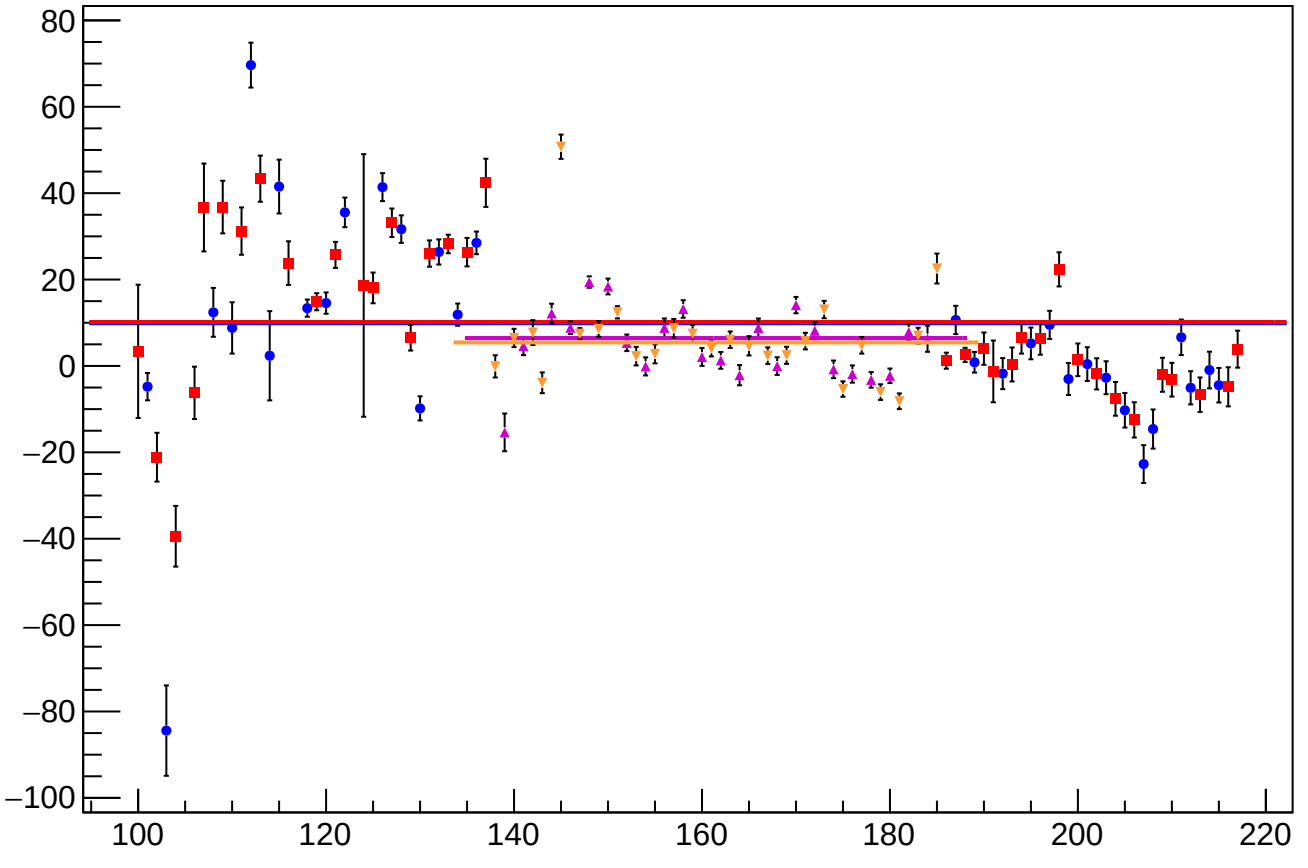
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -2.751+/-0.350 χ^2/NDF: 10983.0/66

In: -6.294+/-0.368 χ^2/NDF:7665.8/53

Out: -5.394+/-0.349 χ^2/NDF:8561.2/60

All: -5.821+/-0.253 χ^2/NDF: 16230.2/114



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: 10.178+/-0.586 χ^2/NDF: 604.6/35

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

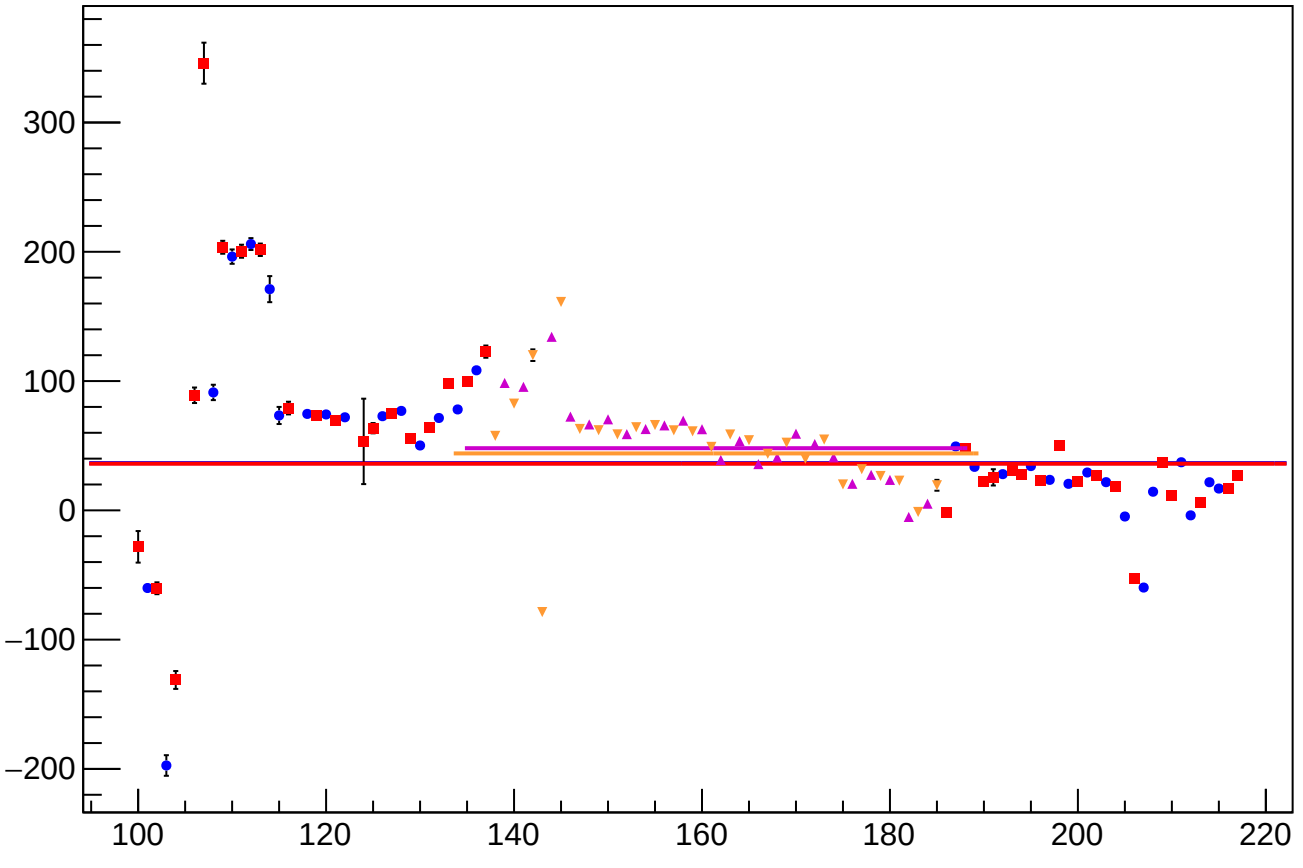
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 10.041+/-0.426 χ^2/NDF: 1403.9/66

In: 7.499+/-0.341 χ^2/NDF:1156.5/53

Out: 6.918+/-0.327 χ^2/NDF:1143.3/60

All: 7.197+/-0.236 χ^2/NDF: 2301.2/114



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: 36.078+/-0.460 χ^2/NDF: 9389.6/35

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

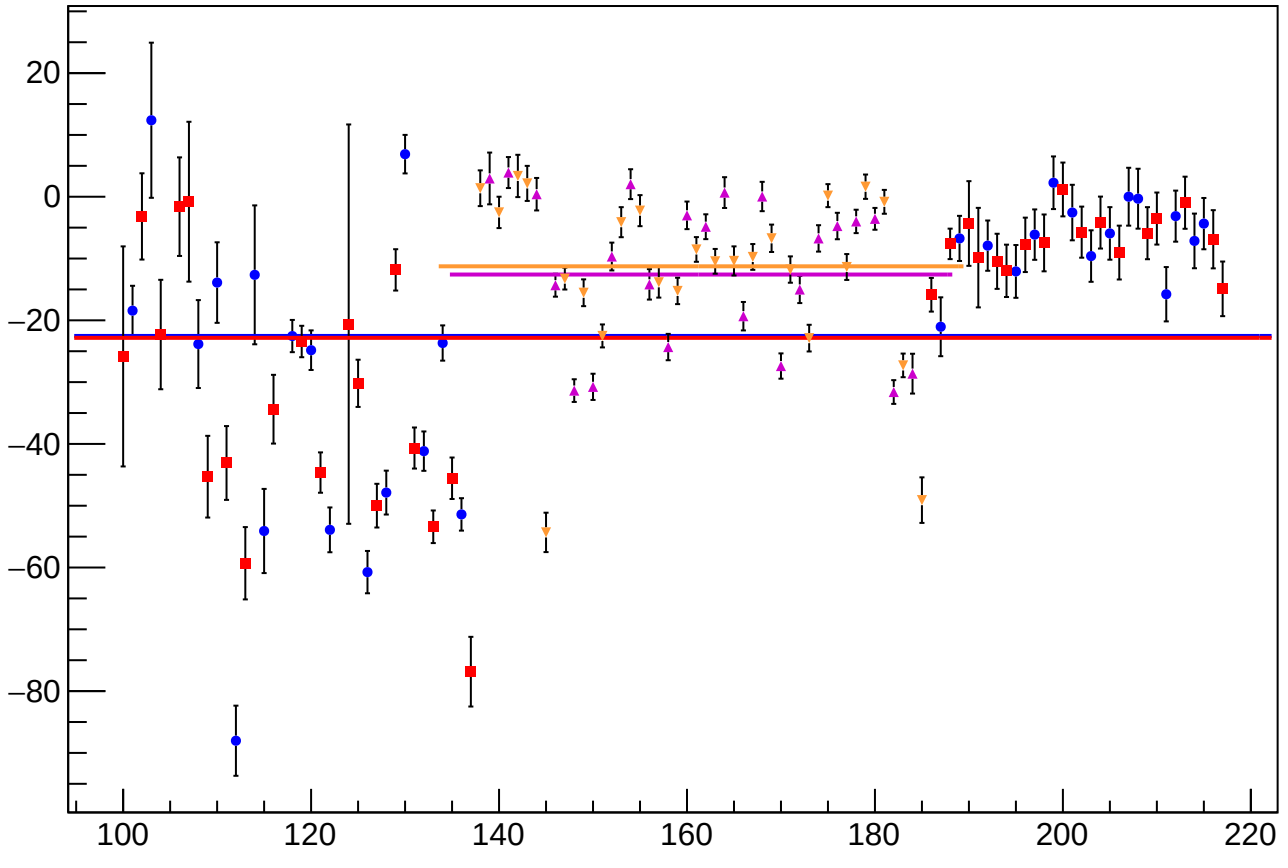
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 36.286+/-0.343 χ^2/NDF: 17738.0/66

In: 42.234+/-0.366 χ^2/NDF:11972.5/53

Out: 39.647+/-0.341 χ^2/NDF:14087.9/60

All: 40.850+/-0.250 χ^2/NDF: 26087.1/114



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: -22.834+/-0.700 χ^2/NDF: 750.6/35

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

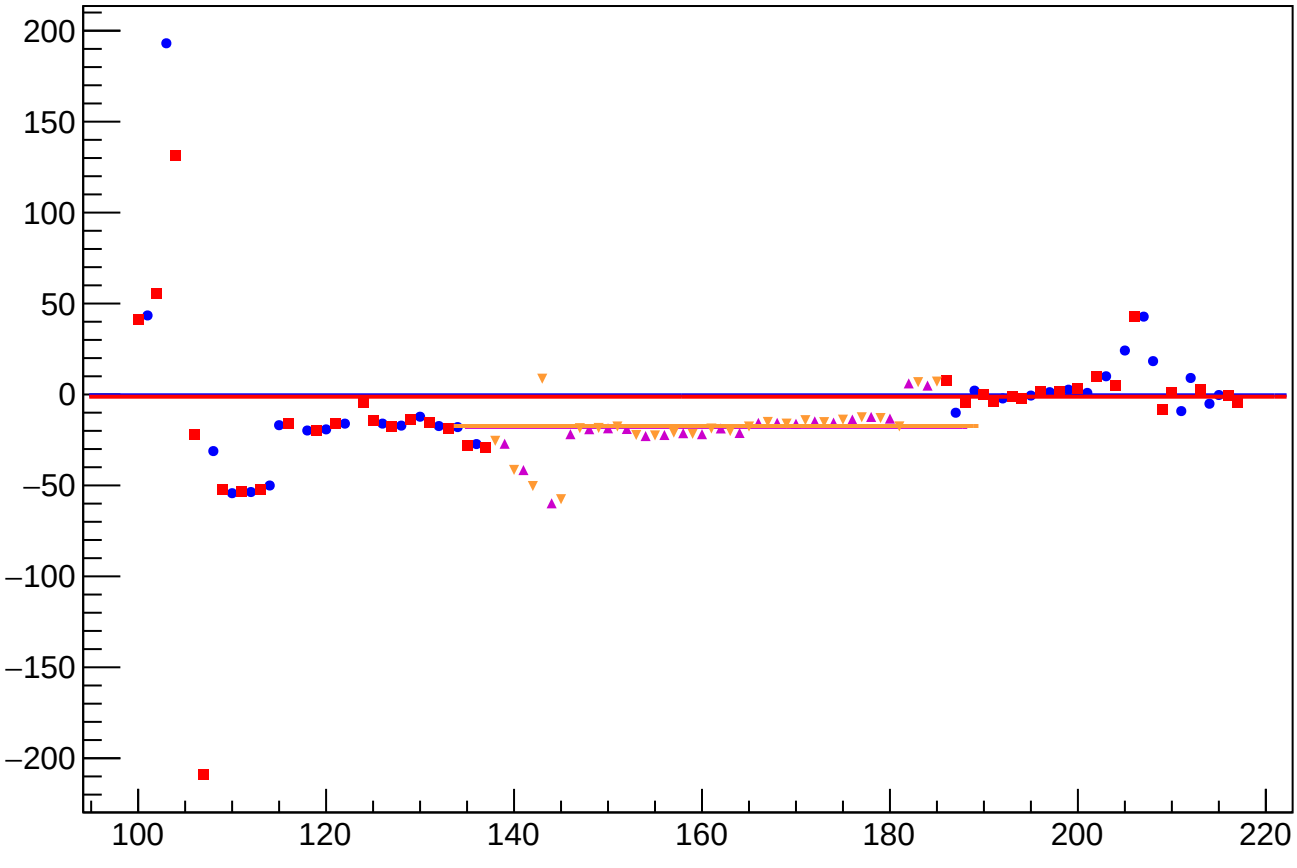
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -22.685+/-0.501 χ^2/NDF: 1644.2/66

In: -15.478+/-0.386 χ^2/NDF:1701.8/53

Out: -14.587+/-0.376 χ^2/NDF:1588.5/60

All: -15.020+/-0.269 χ^2/NDF: 3293.0/114



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: -1.216+/-0.033 χ^2/NDF: 571817.1/35

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

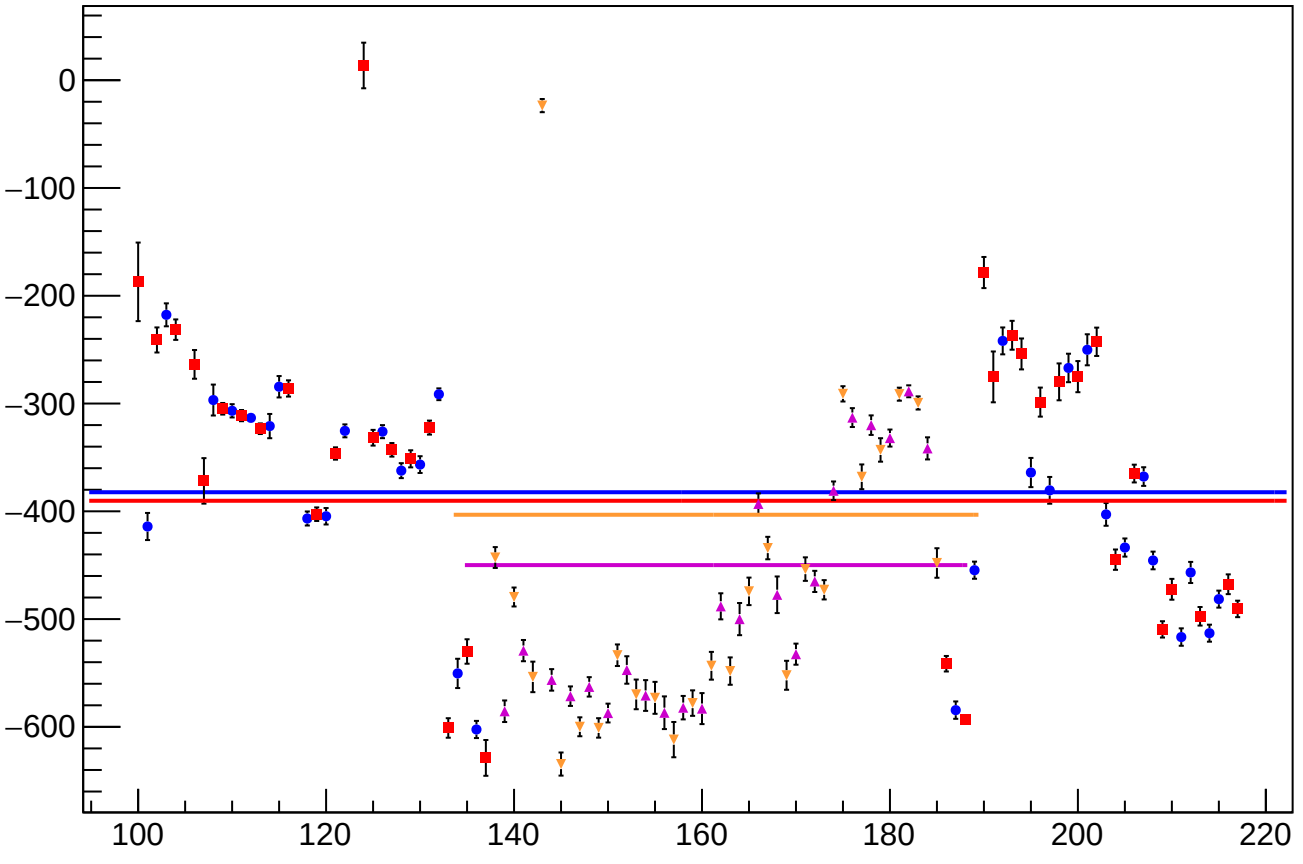
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -0.839+/-0.024 χ^2/NDF: 1220148.3/66

In: -13.220+/-0.017 χ^2/NDF:1110099.6/53

Out: -13.024+/-0.017 χ^2/NDF:1093659.3/60

All: -13.121+/-0.012 χ^2/NDF: 2203823.6/114



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: -390.219+/-1.374 χ^2/NDF: 7177.2/35

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

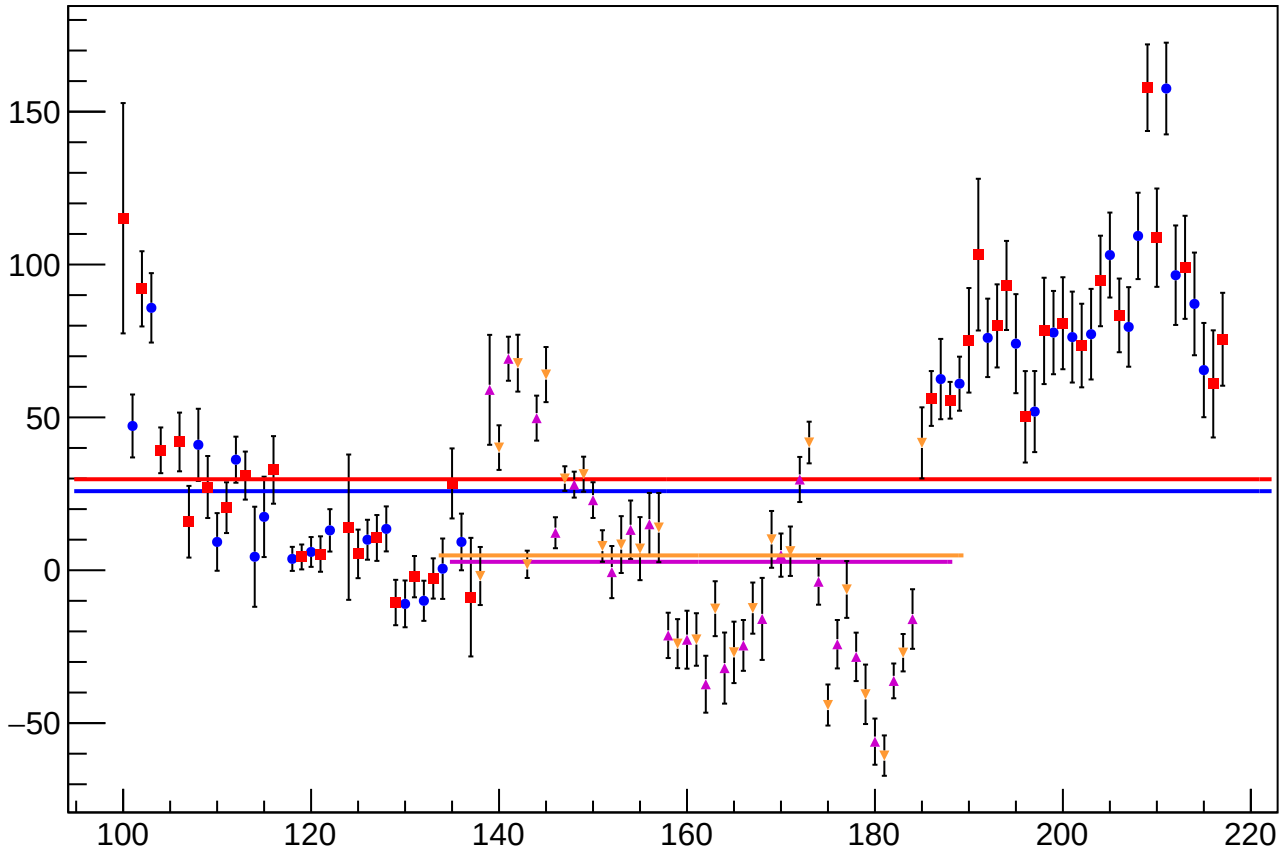
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -386.493+/-1.000 χ^2/NDF: 11262.5/66

In: -405.132+/-1.187 χ^2/NDF:8014.0/53

Out: -394.591+/-1.119 χ^2/NDF:14957.5/60

All: -399.548+/-0.814 χ^2/NDF: 23013.2/114



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: 29.769+/-1.591 χ^2/NDF: 471.0/35

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

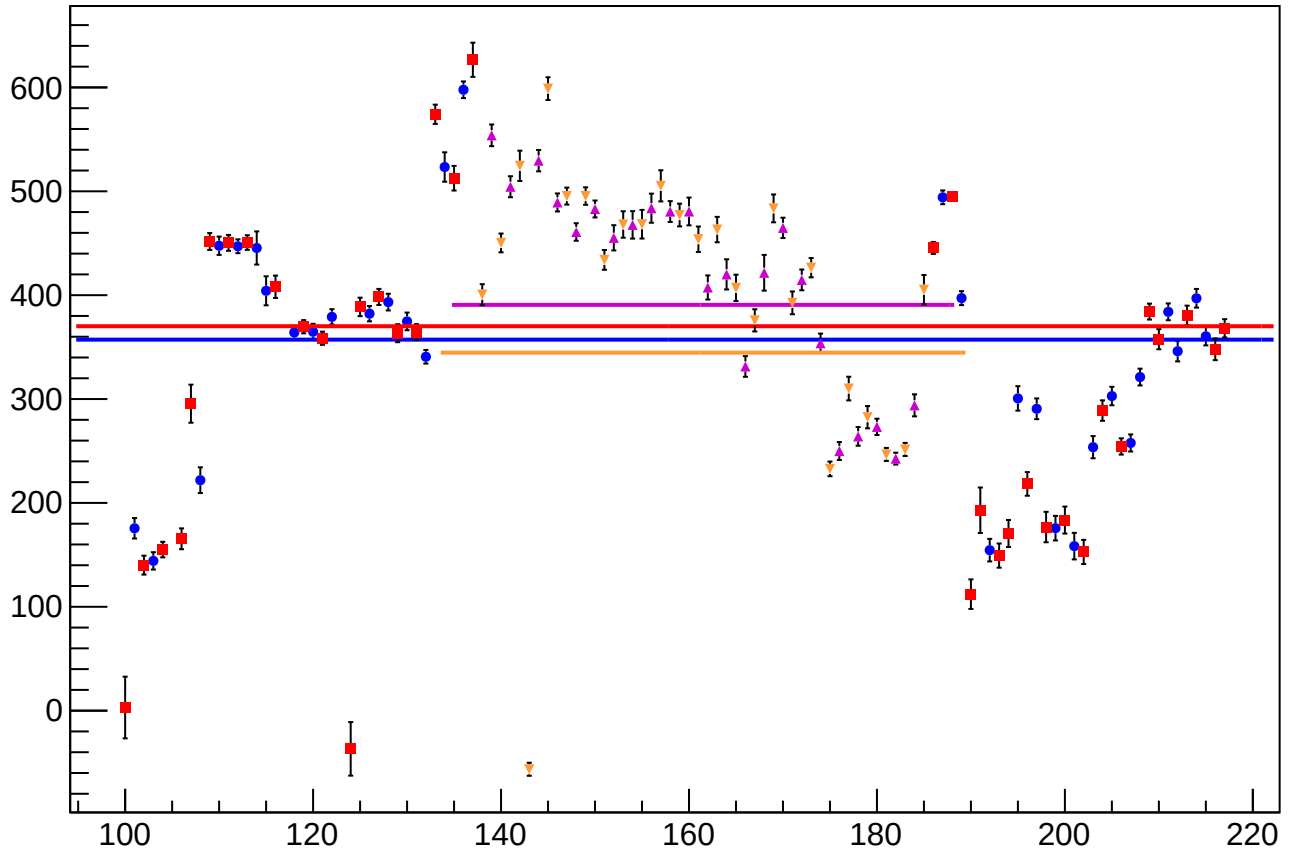
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 27.870+/-1.139 χ^2/NDF: 926.6/66

In: 13.746+/-1.126 χ^2/NDF:957.4/53

Out: 16.135+/-1.070 χ^2/NDF:1062.4/60

All: 15.000+/-0.776 χ^2/NDF: 2022.2/114



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: 370.118+/-1.435 χ^2/NDF: 7219.0/35

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

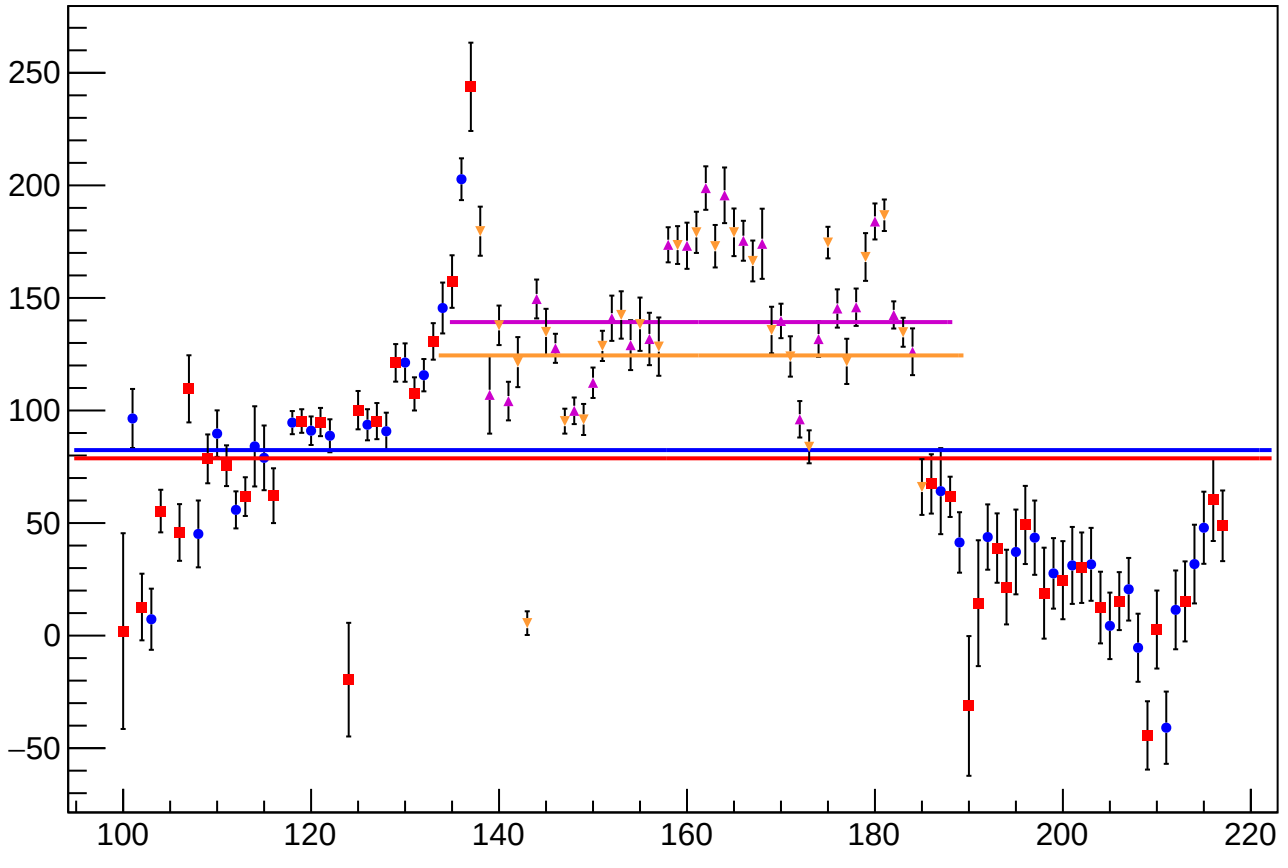
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 364.185+/-1.055 χ^2/NDF: 11466.2/66

In: 369.602+/-1.235 χ^2/NDF:7054.0/53

Out: 361.026+/-1.150 χ^2/NDF:14609.5/60

All: 365.009+/-0.842 χ^2/NDF: 21689.4/114



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: 78.749+/-1.863 χ^2/NDF: 502.5/35

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

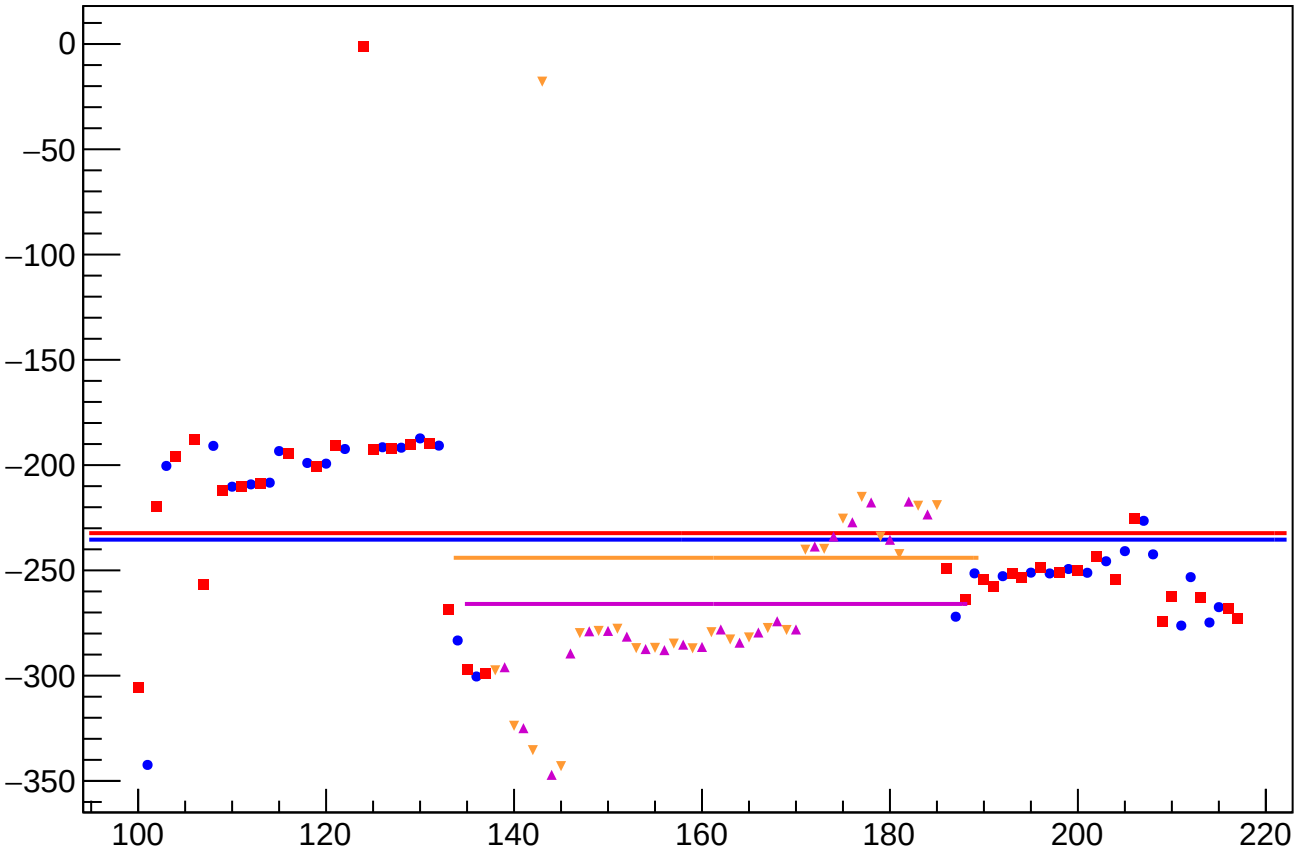
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 80.543+/-1.330 χ^2/NDF: 1036.5/66

In: 112.875+/-1.295 χ^2/NDF:1272.5/53

Out: 104.207+/-1.240 χ^2/NDF:1775.5/60

All: 108.353+/-0.896 χ^2/NDF: 3071.3/114



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: -232.315+/-0.099 χ^2/NDF: 121210.1/35

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

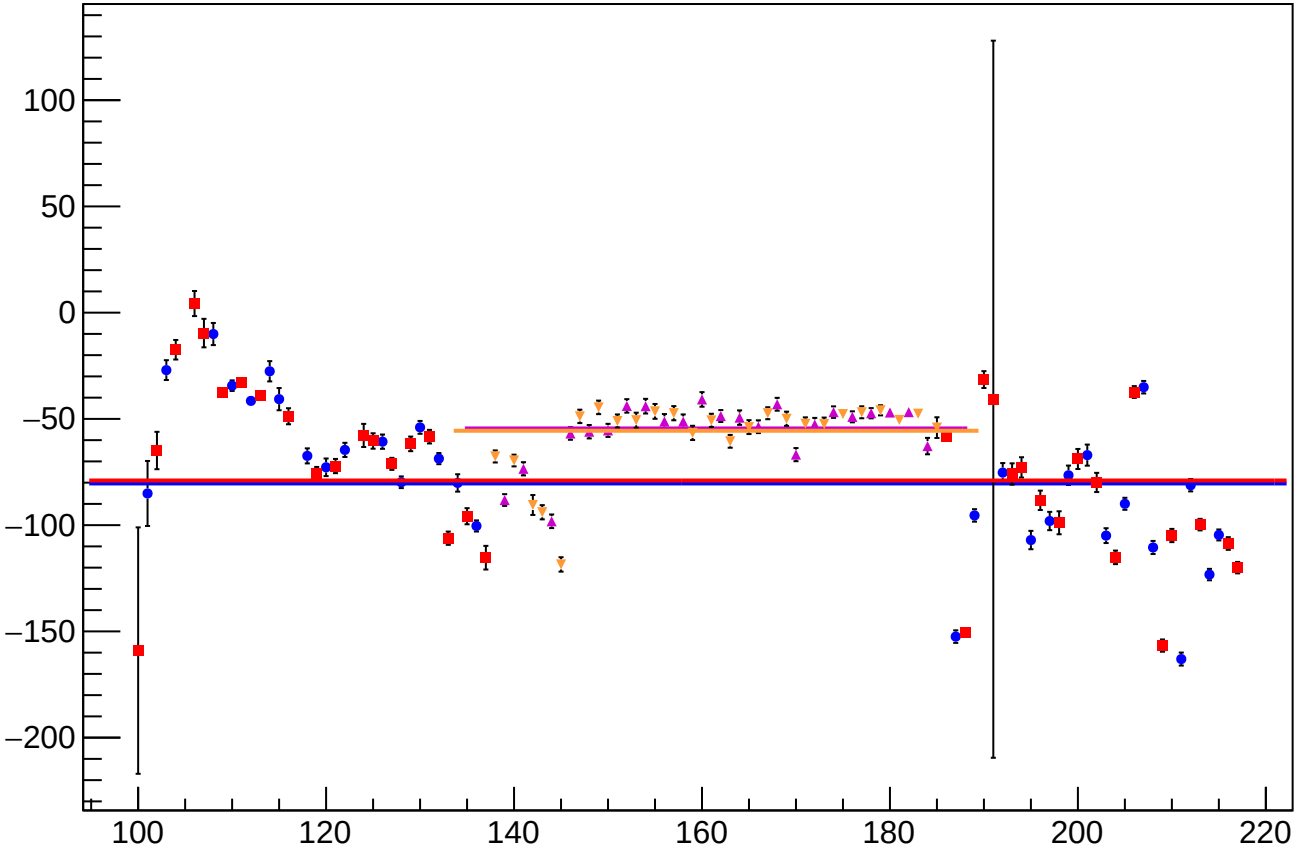
Right: -233.801+/-0.072 χ^2/NDF: 264811.5/66

In: -254.420+/-0.064 χ^2/NDF:367386.0/53

Out: -239.608+/-0.061 χ^2/NDF:1127807.9/60

All: -246.719+/-0.044 χ^2/NDF: 1523467.5/11

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: -78.993+/-0.541 χ^2/NDF: 5490.8/35

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

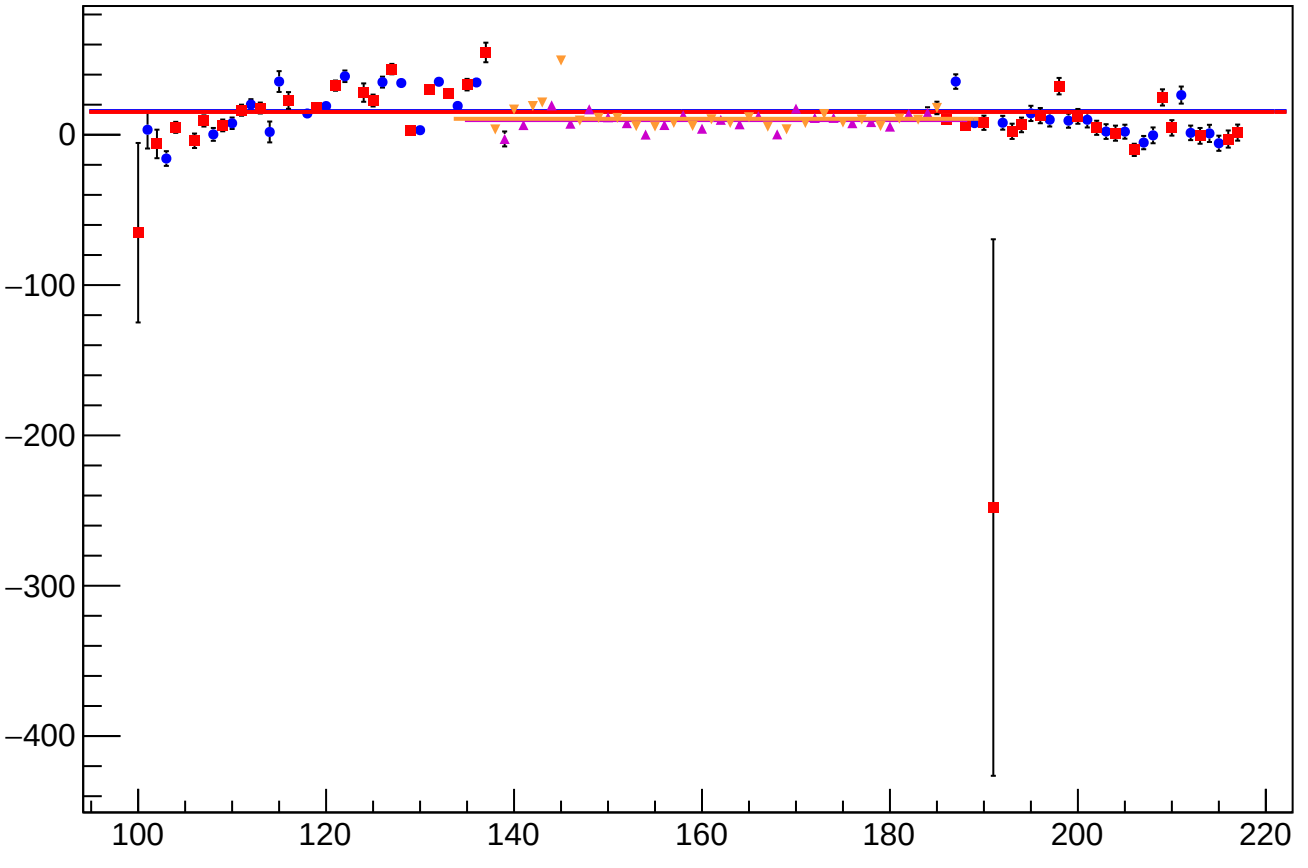
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -79.622+/-0.399 χ^2/NDF: 9031.9/66

In: -67.782+/-0.423 χ^2/NDF:4973.5/53

Out: -68.294+/-0.399 χ^2/NDF:7032.8/60

All: -68.053+/-0.290 χ^2/NDF: 12007.1/114



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: 15.165+/-0.653 χ^2/NDF: 395.6/35

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

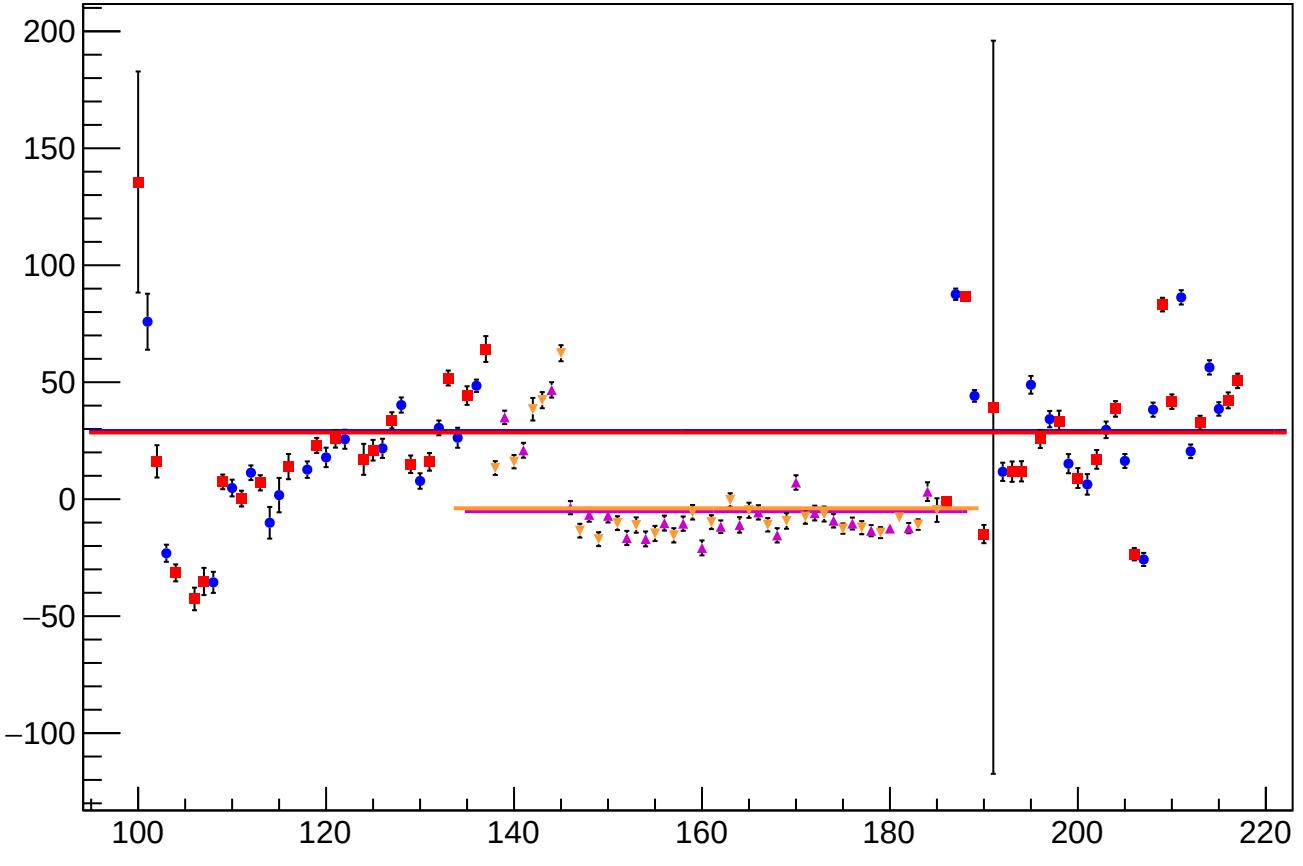
Right: 15.437+/-0.480 χ^2/NDF: 782.2/66

In: 11.585+/-0.390 χ^2/NDF:557.3/53

Out: 12.068+/-0.370 χ^2/NDF:683.8/60

All: 11.839+/-0.268 χ^2/NDF: 1241.9/114

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 28.521+/-0.549 χ^2/NDF: 4152.3/35

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

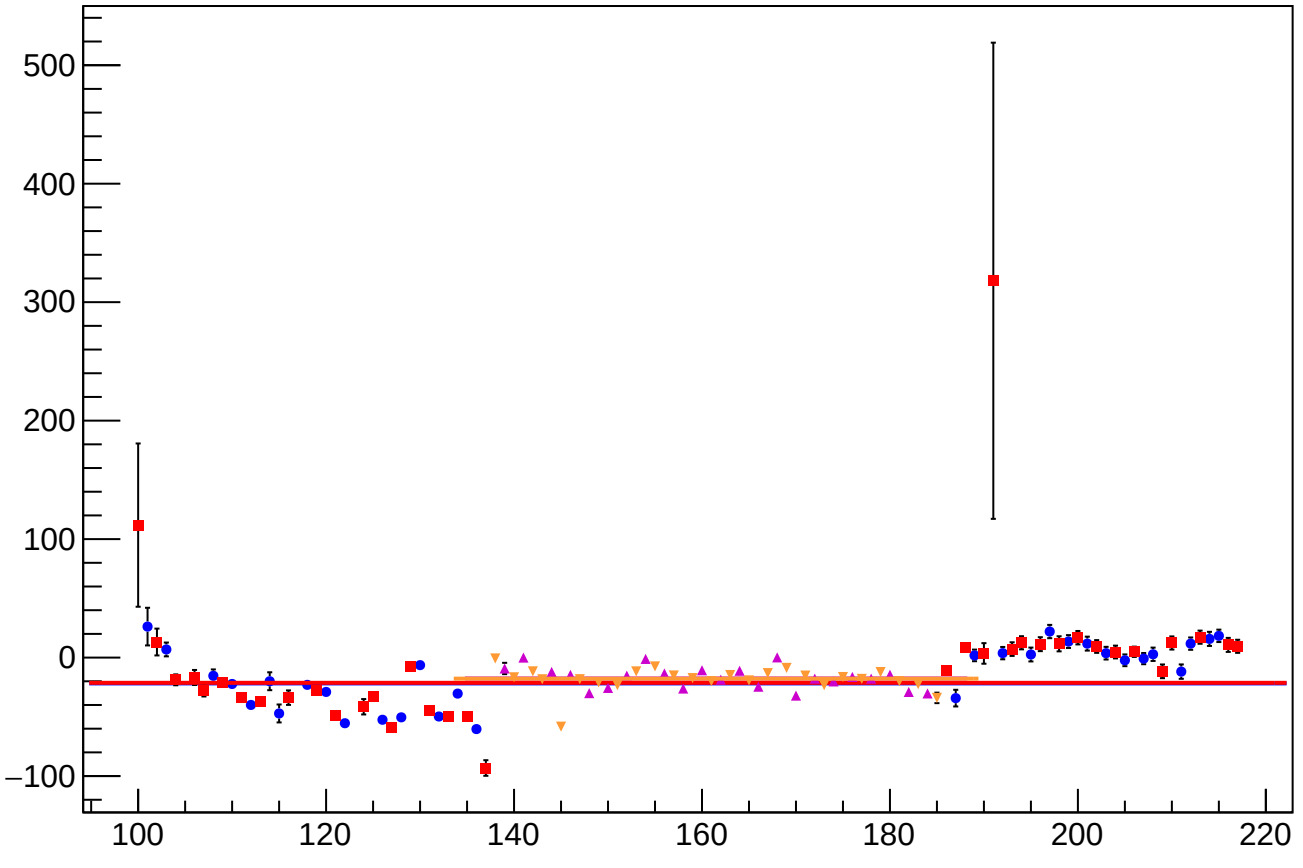
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 28.789+/-0.410 χ^2/NDF: 6404.4/66

In: 11.521+/-0.430 χ^2/NDF:4486.9/53

Out: 13.343+/-0.400 χ^2/NDF:6635.0/60

All: 12.497+/-0.293 χ^2/NDF: 11131.5/114



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: -21.298+/-0.772 χ^2/NDF: 1057.8/35

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

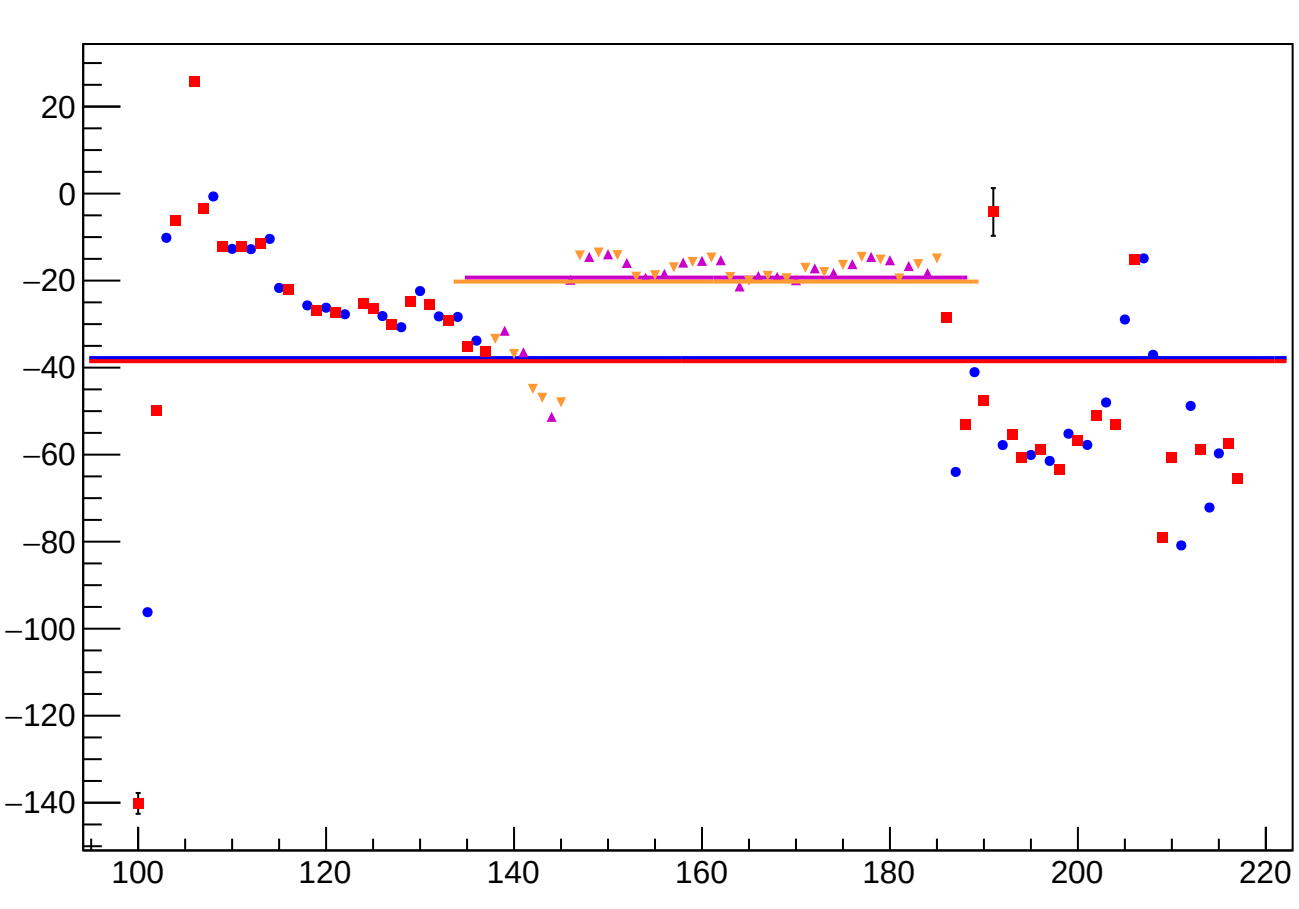
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -21.532+/-0.559 χ^2/NDF: 2003.0/66

In: -18.872+/-0.441 χ^2/NDF:1249.4/53

Out: -18.843+/-0.425 χ^2/NDF:1323.8/60

All: -18.857+/-0.306 χ^2/NDF: 2573.2/114



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: -38.512+/-0.039 χ^2/NDF: 341342.1/35

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

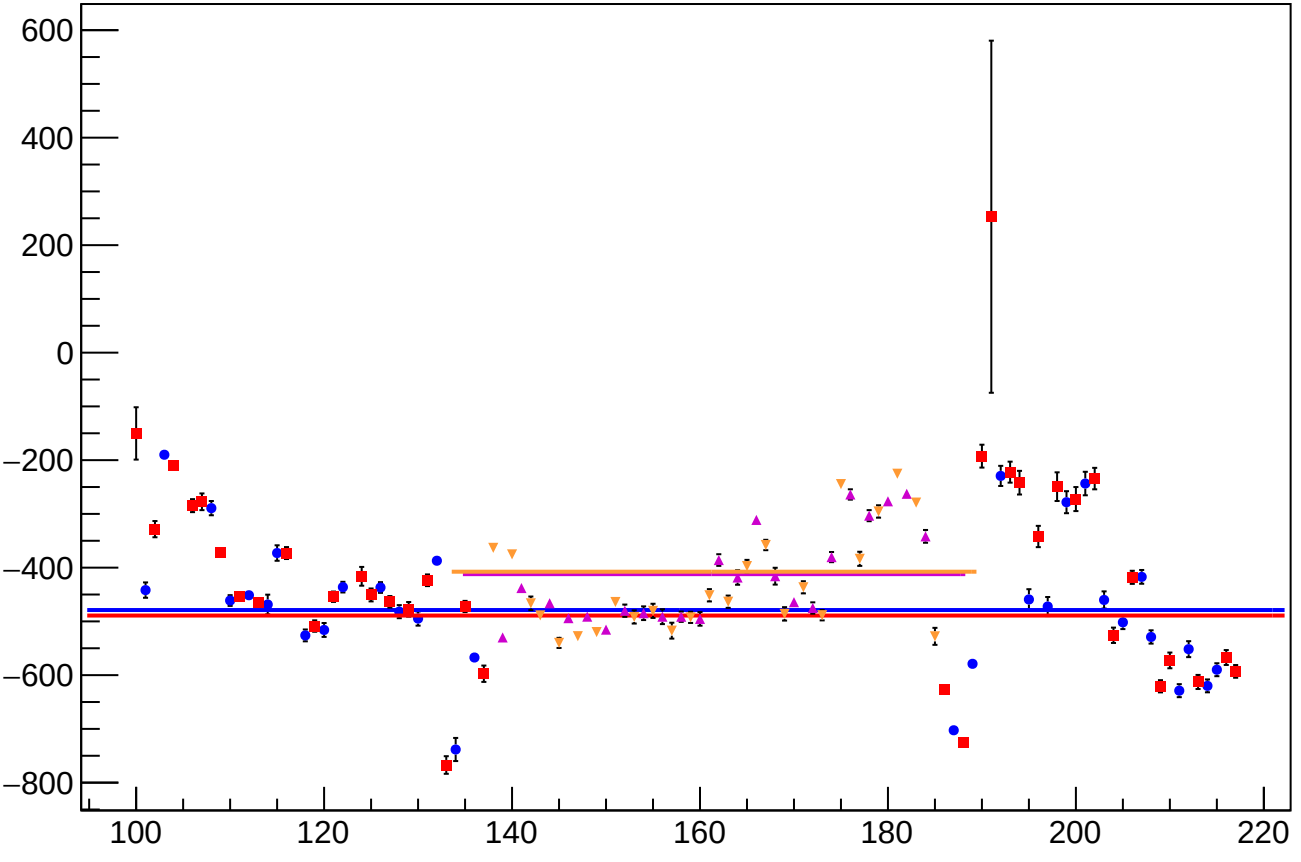
Right: -38.165+/-0.028 χ^2/NDF: 600106.4/66

In: -24.117+/-0.020 χ^2/NDF:515947.7/53

Out: -24.976+/-0.020 χ^2/NDF:654902.8/60

All: -24.554+/-0.014 χ^2/NDF: 1171787.2/114

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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: -489.118+/-1.912 χ^2/NDF: 6520.8/35

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

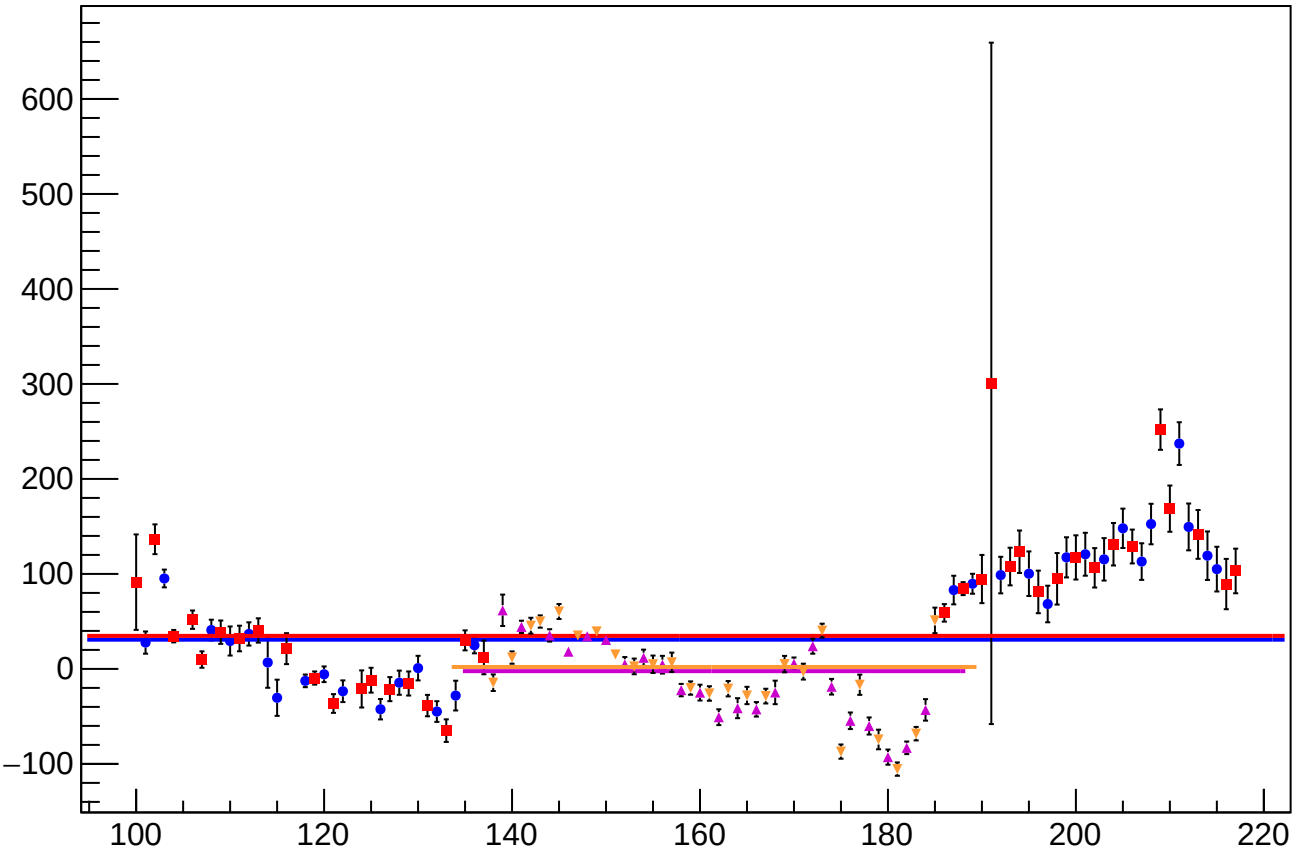
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -484.506+/-1.419 χ^2/NDF: 9840.1/66

In: -443.738+/-1.457 χ^2/NDF:6012.3/53

Out: -449.157+/-1.366 χ^2/NDF:10284.8/60

All: -446.622+/-0.996 χ^2/NDF: 16304.5/114



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: 34.778+/-2.163 χ^2/NDF: 659.7/35

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

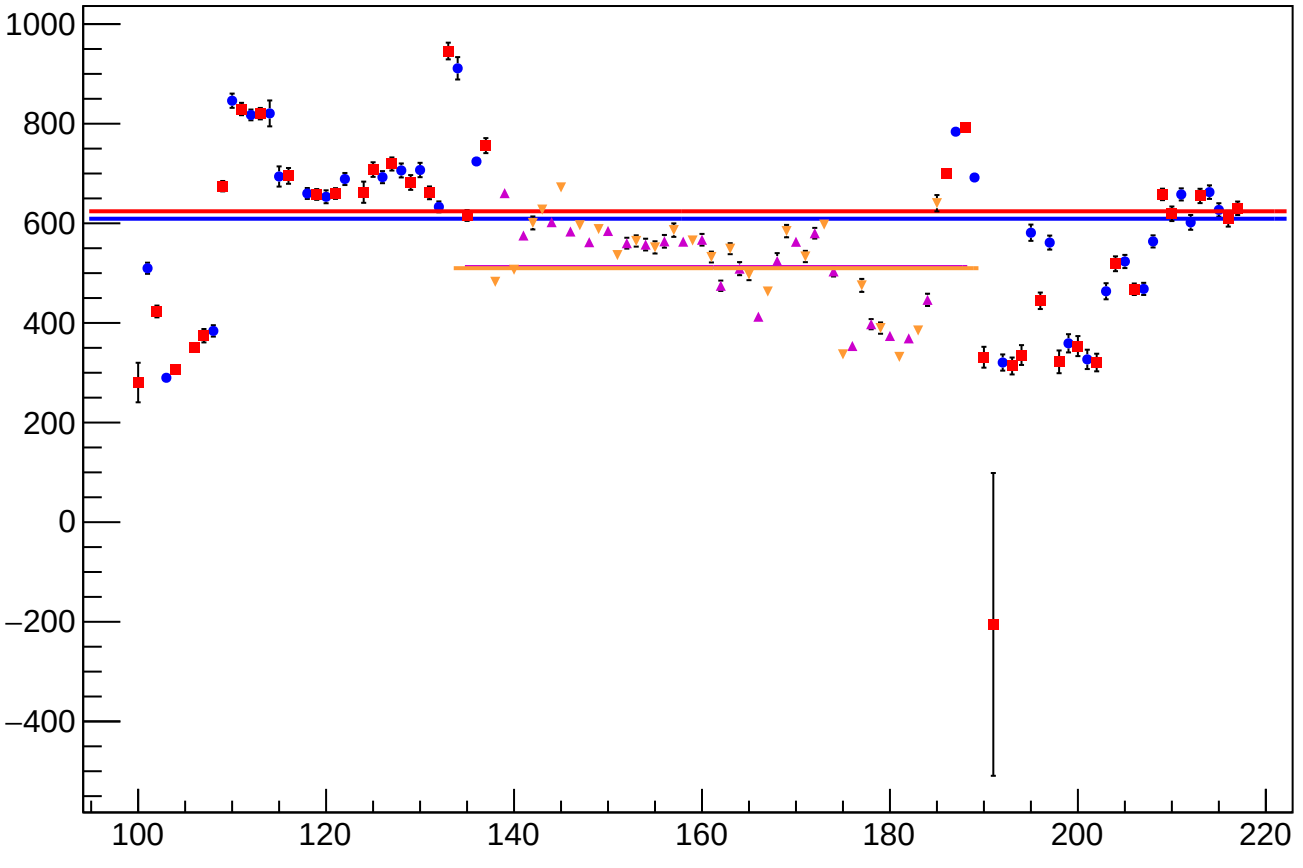
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 32.972+/-1.603 χ^2/NDF: 1260.9/66

In: 6.857+/-1.259 χ^2/NDF:1472.1/53

Out: 11.953+/-1.191 χ^2/NDF:1730.1/60

All: 9.548+/-0.865 χ^2/NDF: 3210.9/114



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: 624.158+/-1.885 χ^2/NDF: 8821.4/35

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

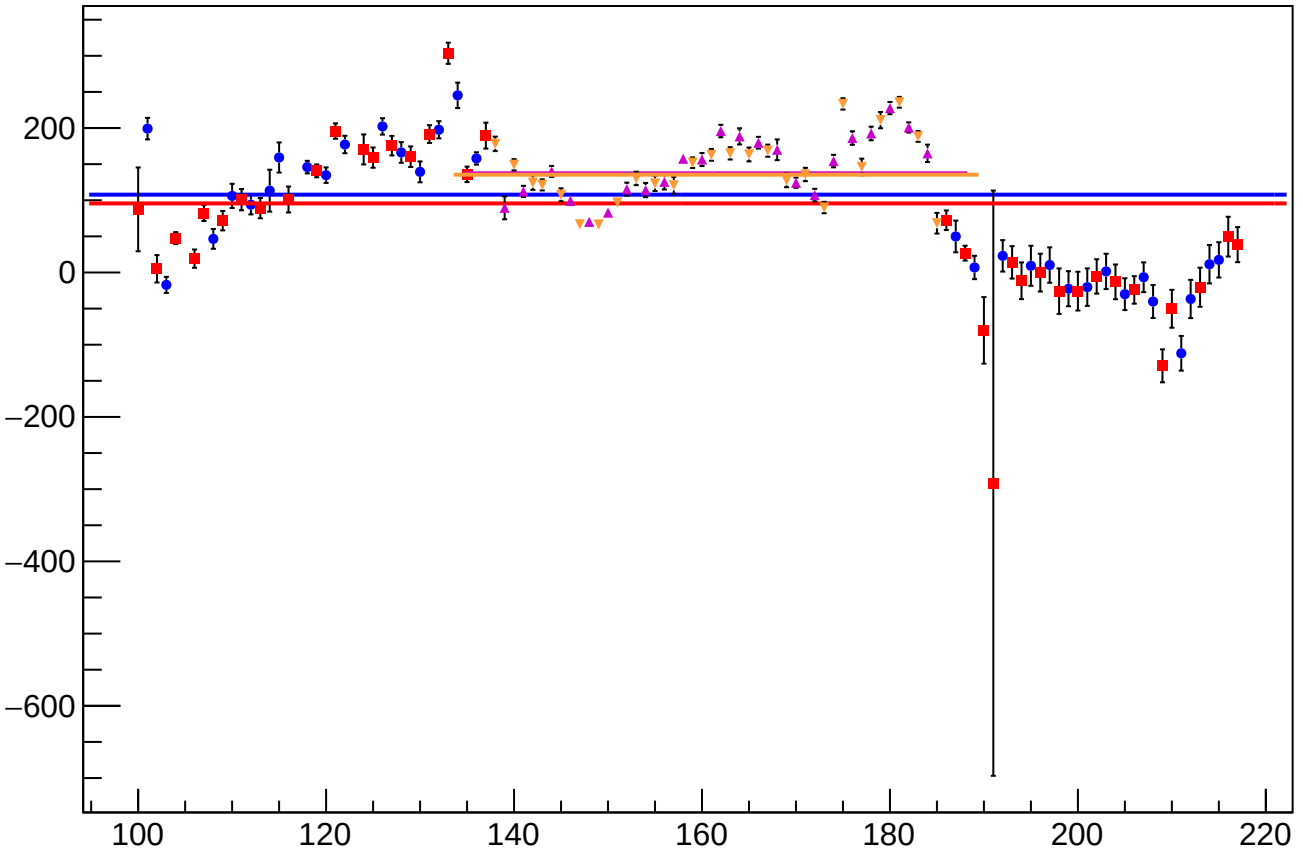
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 617.657+/-1.417 χ^2/NDF: 14411.3/66

In: 556.890+/-1.457 χ^2/NDF:8749.2/53

Out: 568.542+/-1.351 χ^2/NDF:13271.8/60

All: 563.159+/-0.991 χ^2/NDF: 22055.4/114



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: 95.615+/-2.587 χ^2/NDF: 979.6/35

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

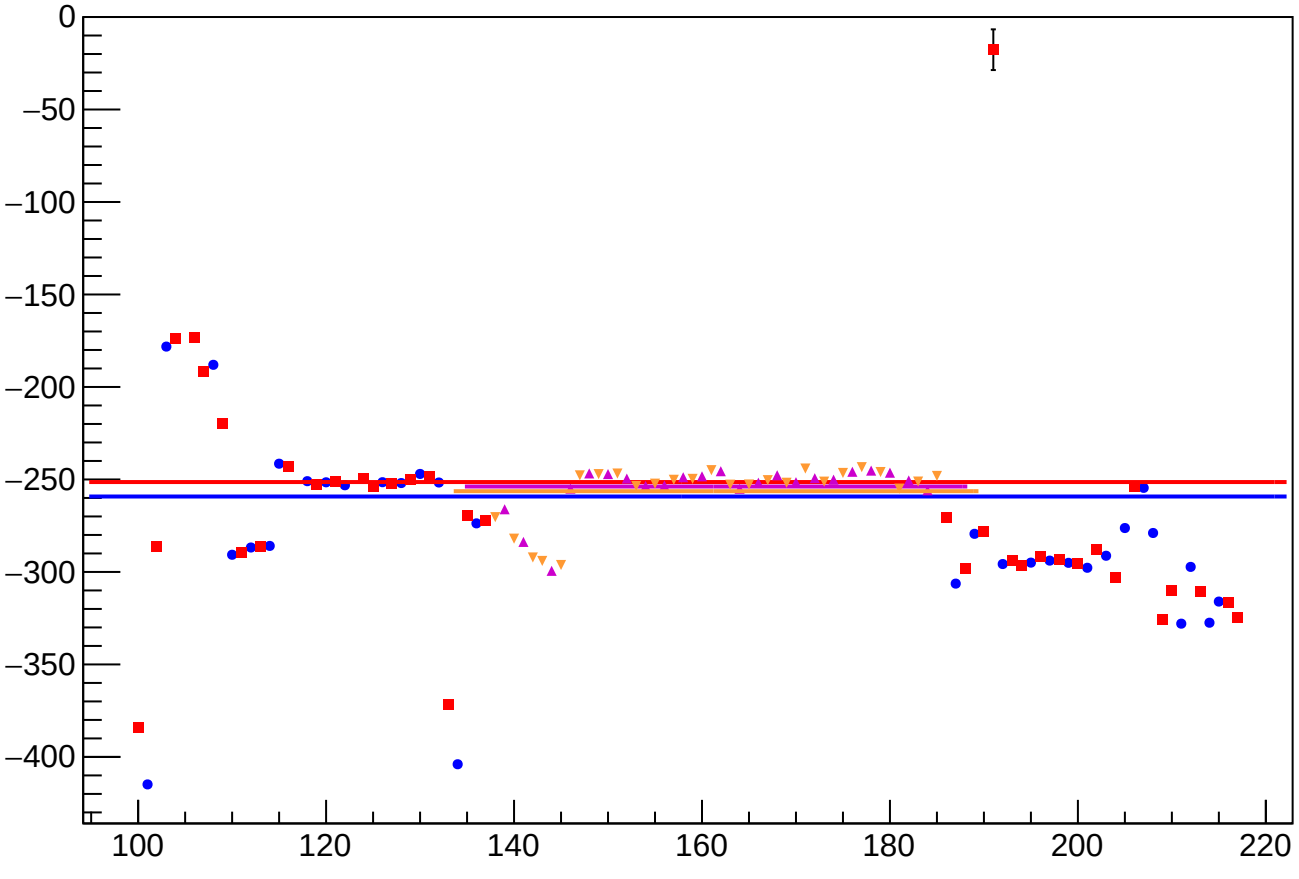
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 101.244+/-1.895 χ^2/NDF: 1895.0/66

In: 129.312+/-1.452 χ^2/NDF:1693.6/53

Out: 123.910+/-1.390 χ^2/NDF:2071.0/60

All: 126.493+/-1.004 χ^2/NDF: 3771.8/114



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: -251.402+/-0.128 χ^2/NDF: 162663.4/35

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

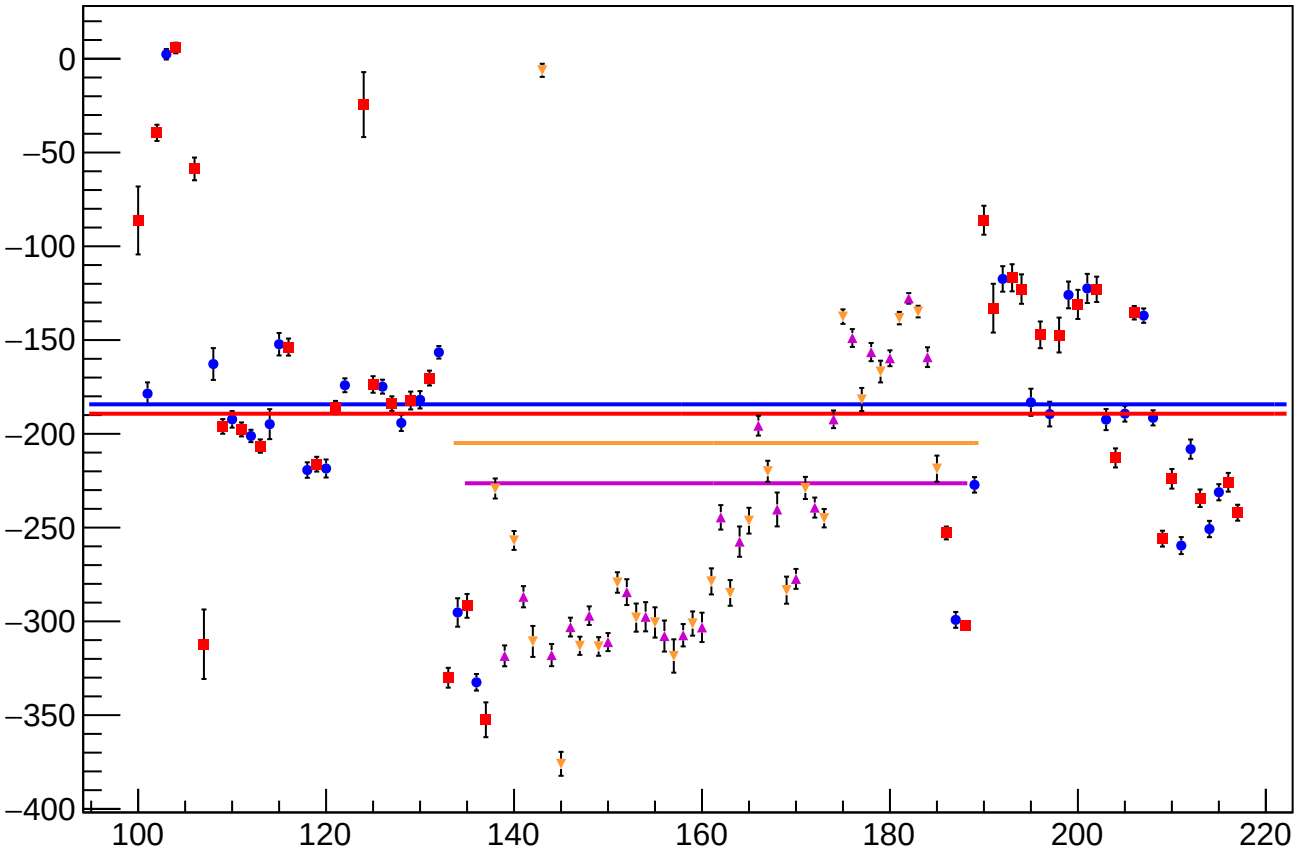
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -255.154+/-0.092 χ^2/NDF: 372247.7/66

In: -255.195+/-0.067 χ^2/NDF:233093.6/53

Out: -255.028+/-0.066 χ^2/NDF:203273.9/60

All: -255.110+/-0.047 χ^2/NDF: 436370.7/114



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: -189.269+/-0.772 χ^2/NDF: 12243.3/35

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

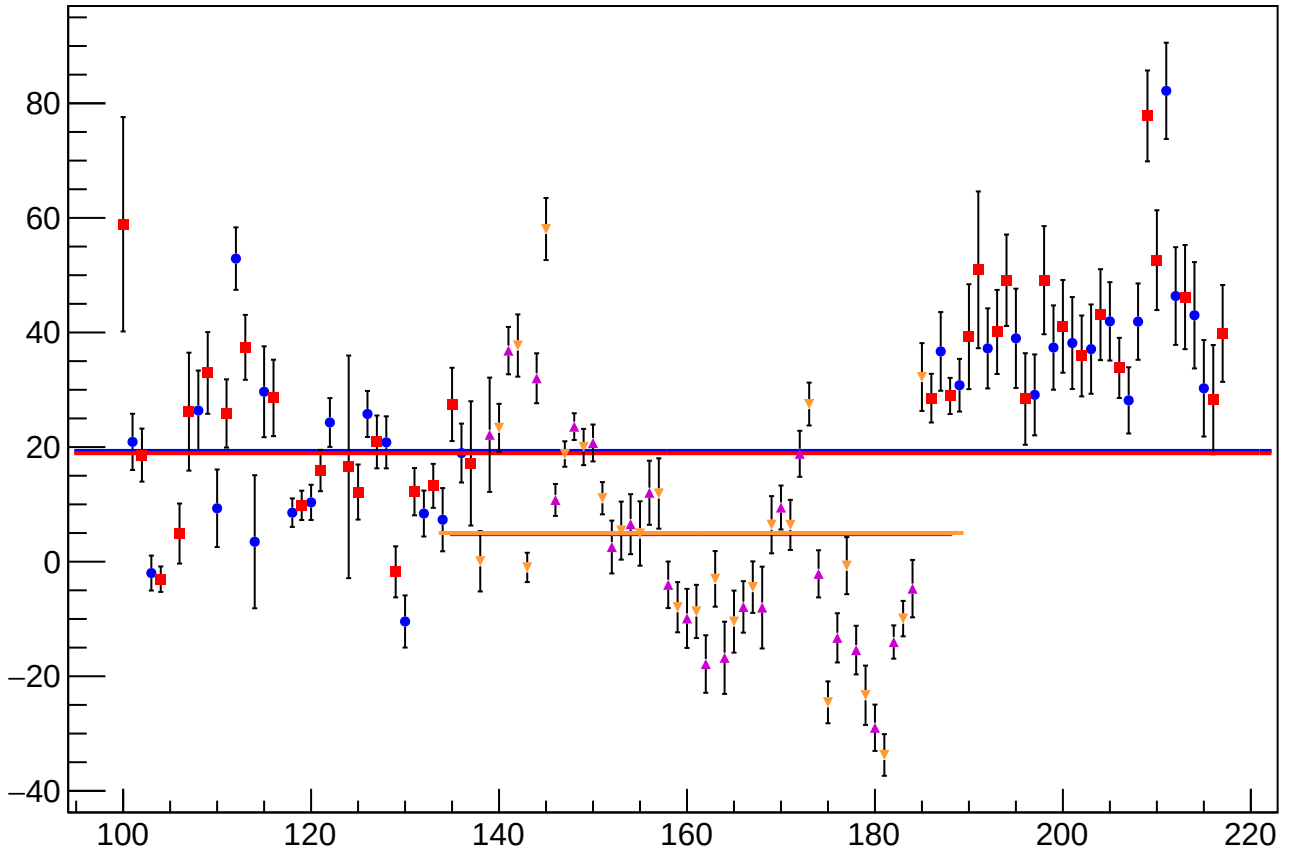
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -186.918+/-0.562 χ^2/NDF: 20274.4/66

In: -199.211+/-0.658 χ^2/NDF:13166.7/53

Out: -194.739+/-0.622 χ^2/NDF:20212.9/60

All: -196.850+/-0.452 χ^2/NDF: 33404.0/114



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: 18.933+/-0.870 χ^2/NDF: 348.8/35

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

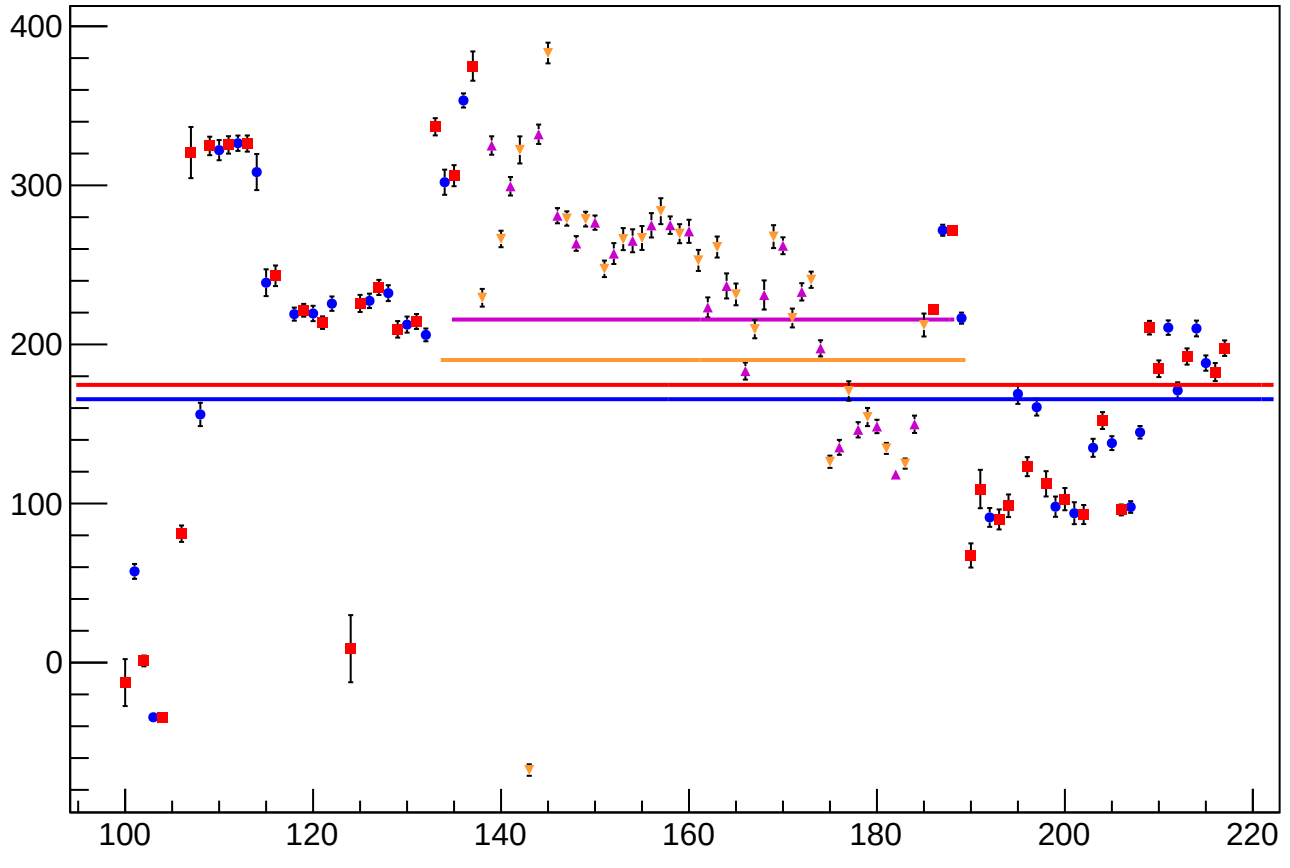
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 19.118+/-0.634 χ^2/NDF: 670.7/66

In: 11.404+/-0.625 χ^2/NDF:882.1/53

Out: 11.327+/-0.586 χ^2/NDF:1037.2/60

All: 11.363+/-0.428 χ^2/NDF: 1919.3/114



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: 174.573+/-0.759 χ^2/NDF: 21489.3/35

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

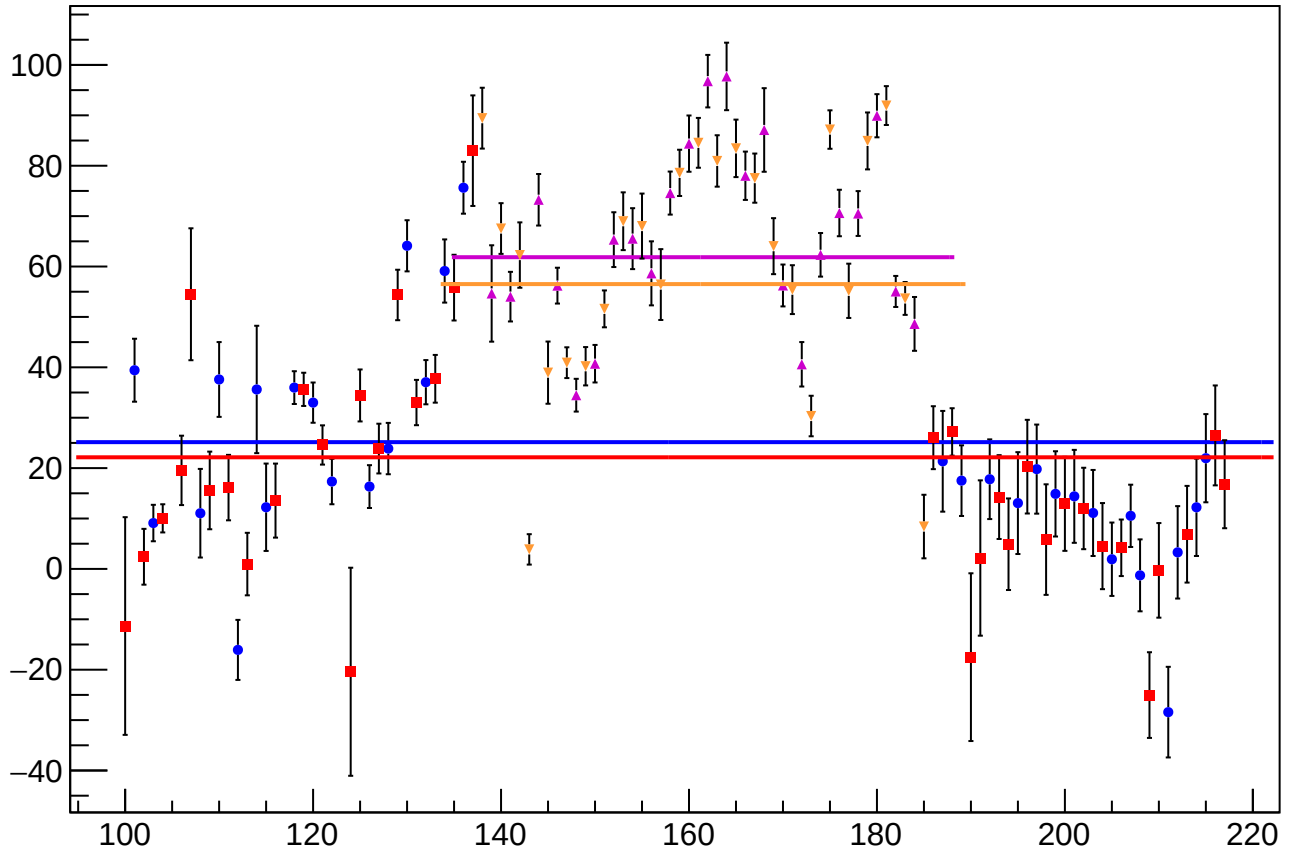
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 170.457+/-0.559 χ^2/NDF: 37696.4/66

In: 183.683+/-0.660 χ^2/NDF:21355.8/53

Out: 179.945+/-0.615 χ^2/NDF:31019.0/60

All: 181.681+/-0.450 χ^2/NDF: 52392.0/114



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: 22.146+/-1.033 χ^2/NDF: 269.7/35

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

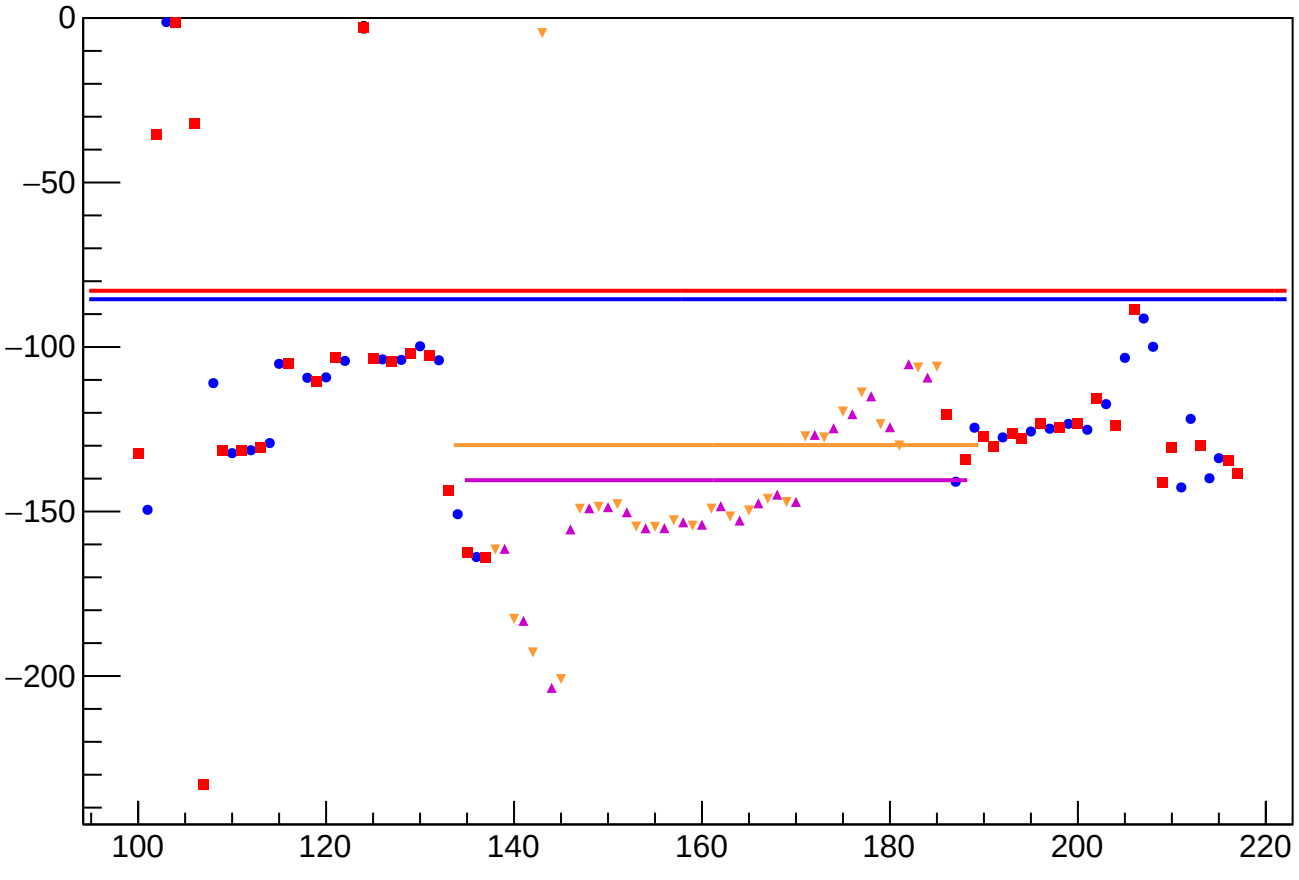
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.582+/-0.747 χ^2/NDF: 651.1/66

In: 45.634+/-0.718 χ^2/NDF:1341.8/53

Out: 41.522+/-0.683 χ^2/NDF:1692.1/60

All: 43.473+/-0.495 χ^2/NDF: 3051.2/114



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: -82.900+/-0.048 χ^2/NDF: 1323288.7/35

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

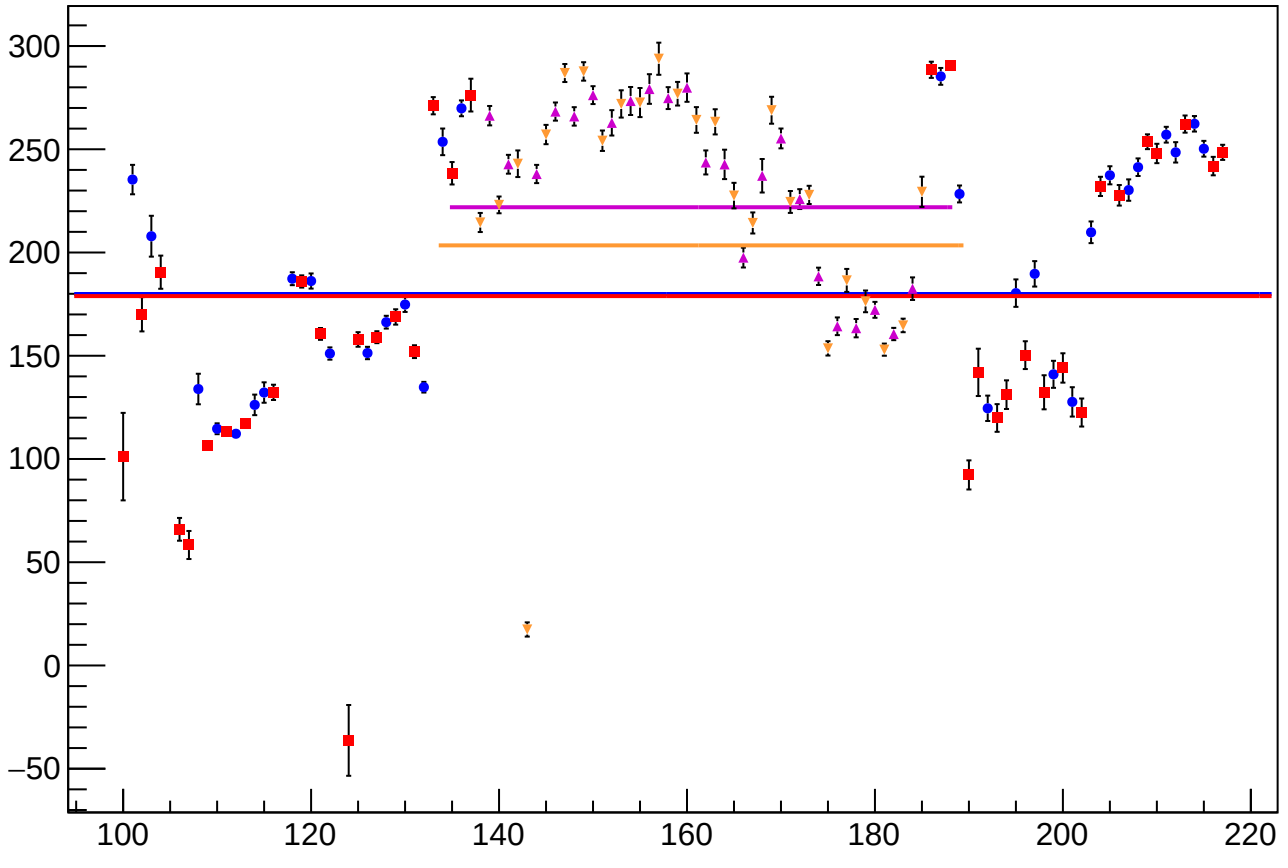
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -84.144+/-0.035 χ^2/NDF: 2675570.6/66

In: -116.691+/-0.033 χ^2/NDF:2291694.9/53

Out: -109.590+/-0.032 χ^2/NDF:2881961.0/60

All: -113.021+/-0.023 χ^2/NDF: 5197738.1/11



Right In: 179.897+/-0.709 χ^2/NDF: 6069.6/30

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 178.886+/-0.662 χ^2/NDF: 10303.7/35

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

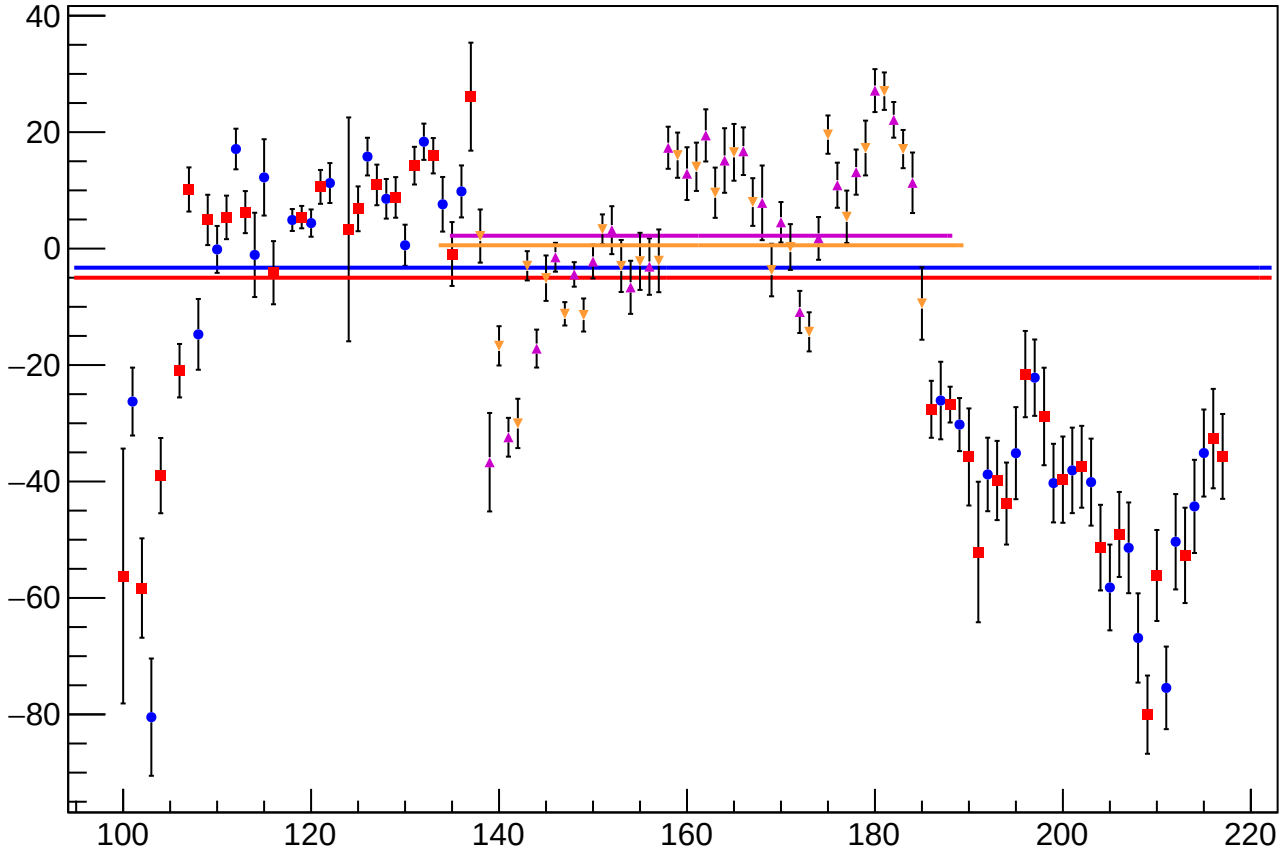
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 179.358+/-0.484 χ^2/NDF: 16374.4/66

In: 193.892+/-0.579 χ^2/NDF:9227.5/53

Out: 186.884+/-0.544 χ^2/NDF:16243.5/60

All: 190.169+/-0.396 χ^2/NDF: 25548.9/114



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: -5.001+/-0.774 χ^2/NDF: 841.2/35

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

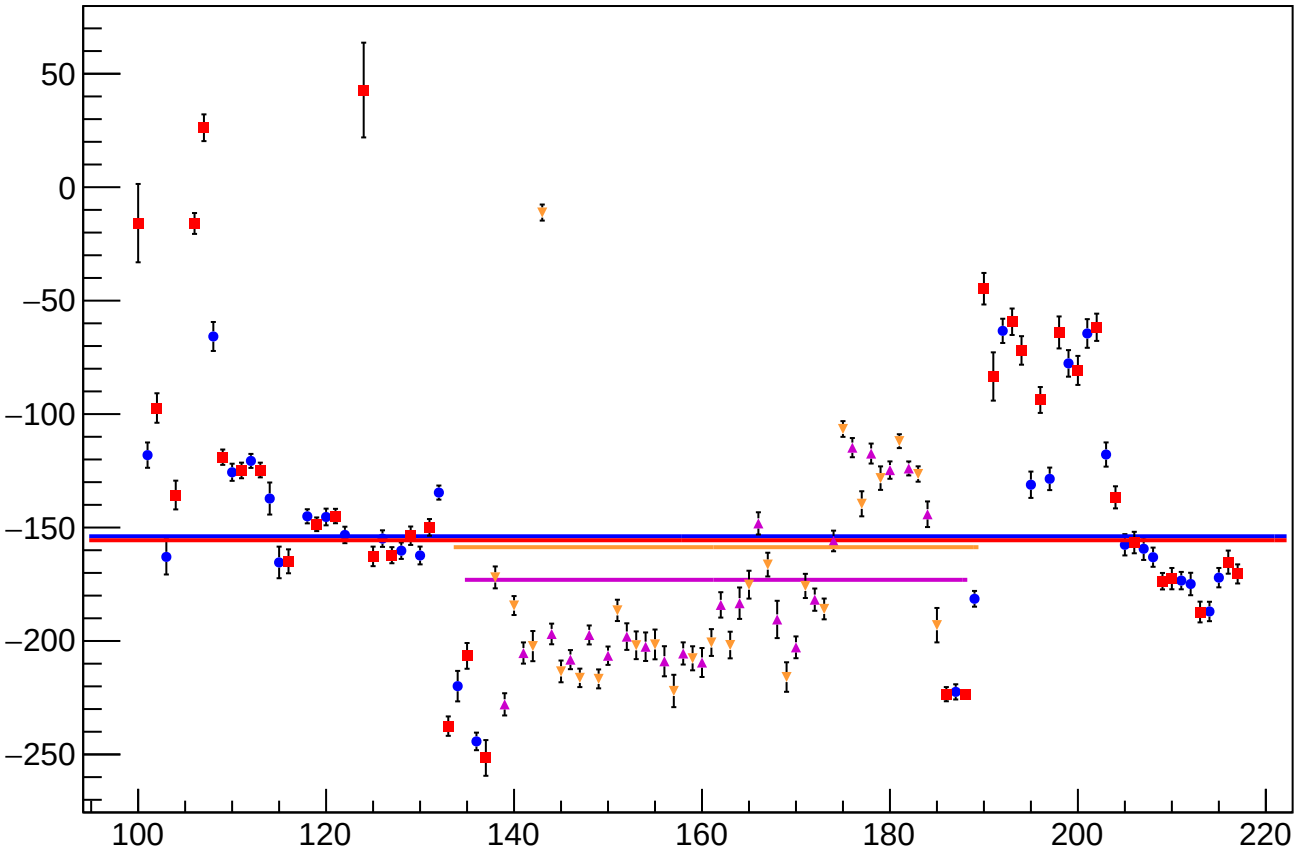
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -4.165+/-0.555 χ^2/NDF: 1642.9/66

In: -0.406+/-0.550 χ^2/NDF:1182.4/53

Out: -1.998+/-0.525 χ^2/NDF:1214.5/60

All: -1.238+/-0.380 χ^2/NDF: 2401.3/114



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: -155.604+/-0.711 χ^2/NDF: 6530.0/35

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

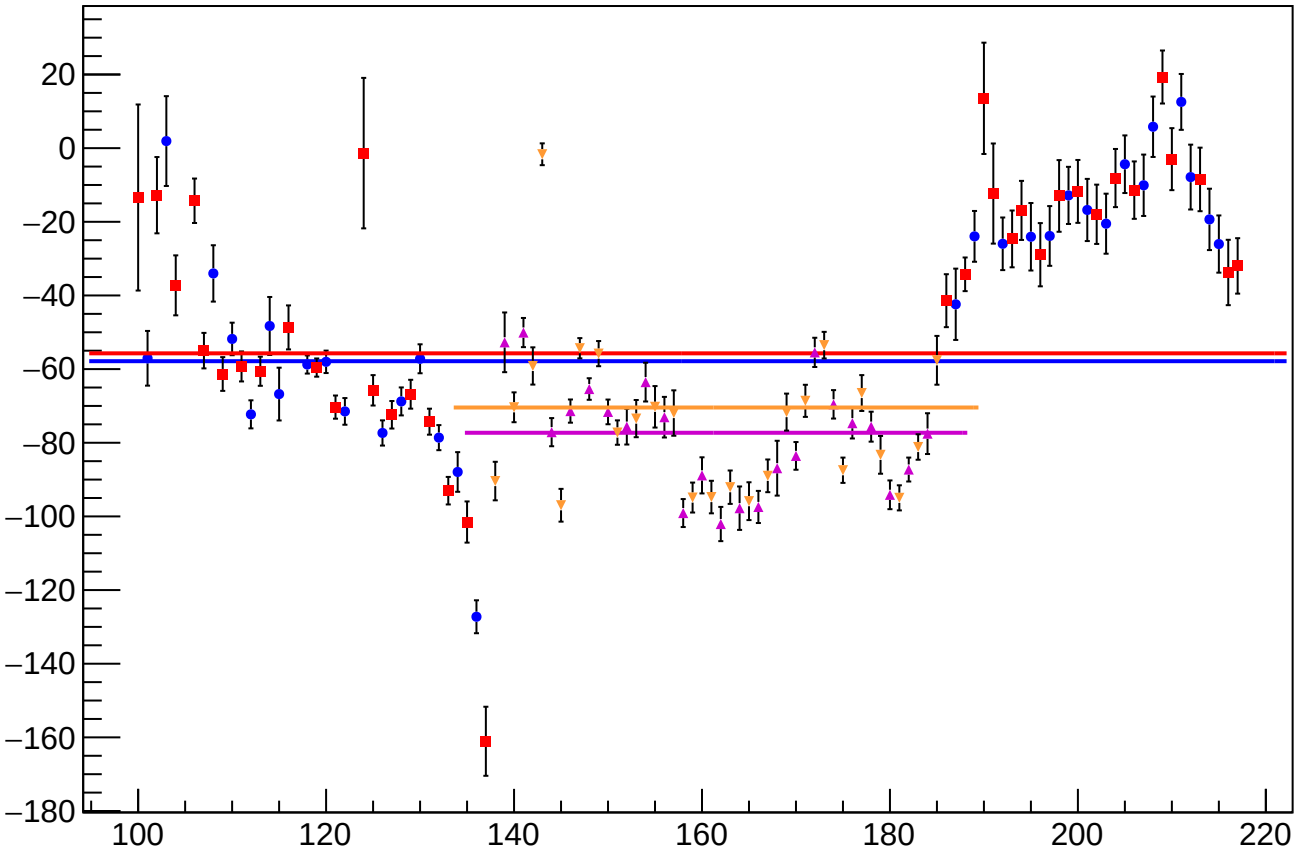
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -154.801+/-0.523 χ^2/NDF: 9000.7/66

In: -161.060+/-0.610 χ^2/NDF:4099.8/53

Out: -156.701+/-0.570 χ^2/NDF:10028.4/60

All: -158.731+/-0.416 χ^2/NDF: 14155.5/114



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: -55.717+/-0.903 χ^2/NDF: 899.8/35

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

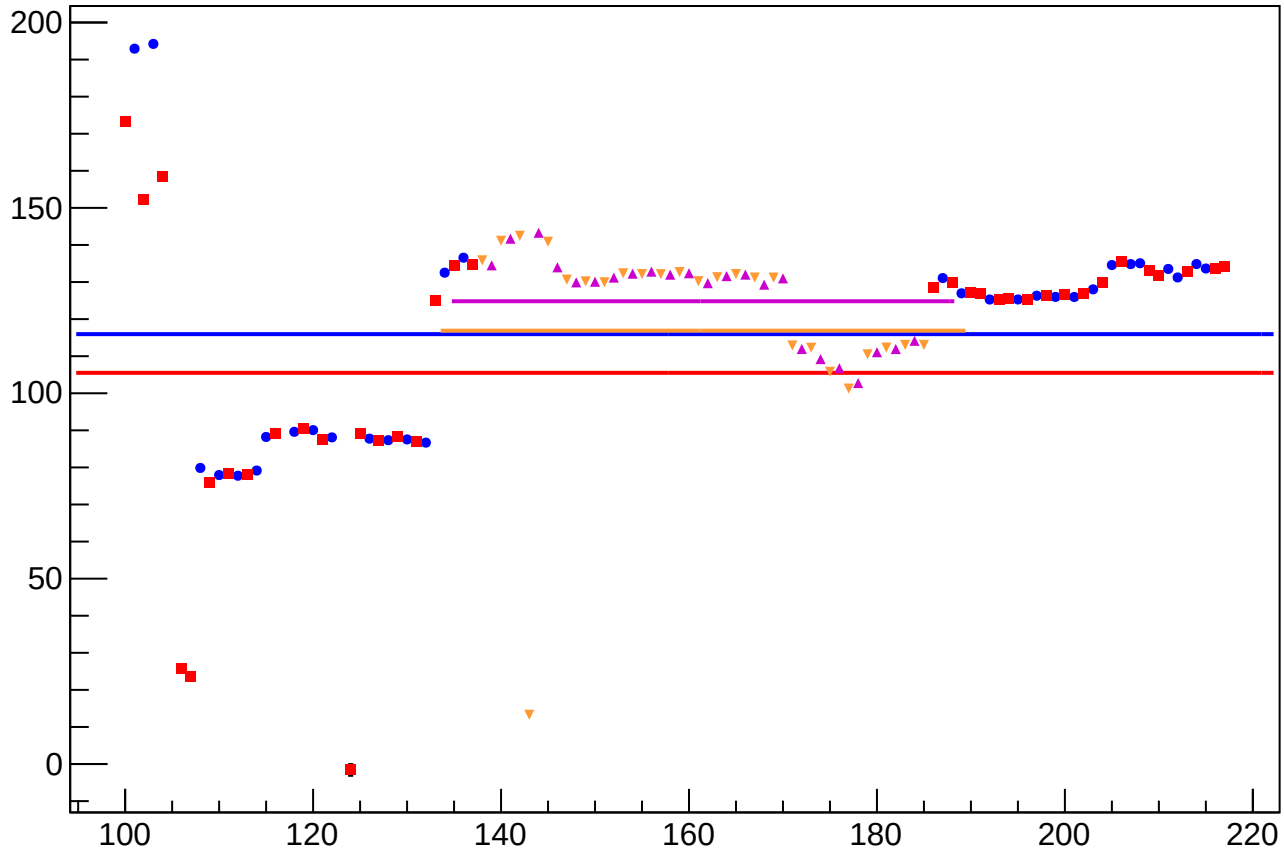
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -56.757+/-0.646 χ^2/NDF: 1772.1/66

In: -68.215+/-0.632 χ^2/NDF:1359.2/53

Out: -63.768+/-0.608 χ^2/NDF:1946.7/60

All: -65.903+/-0.438 χ^2/NDF: 3331.5/114



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: 105.509+/-0.049 χ^2/NDF: 545150.8/35

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

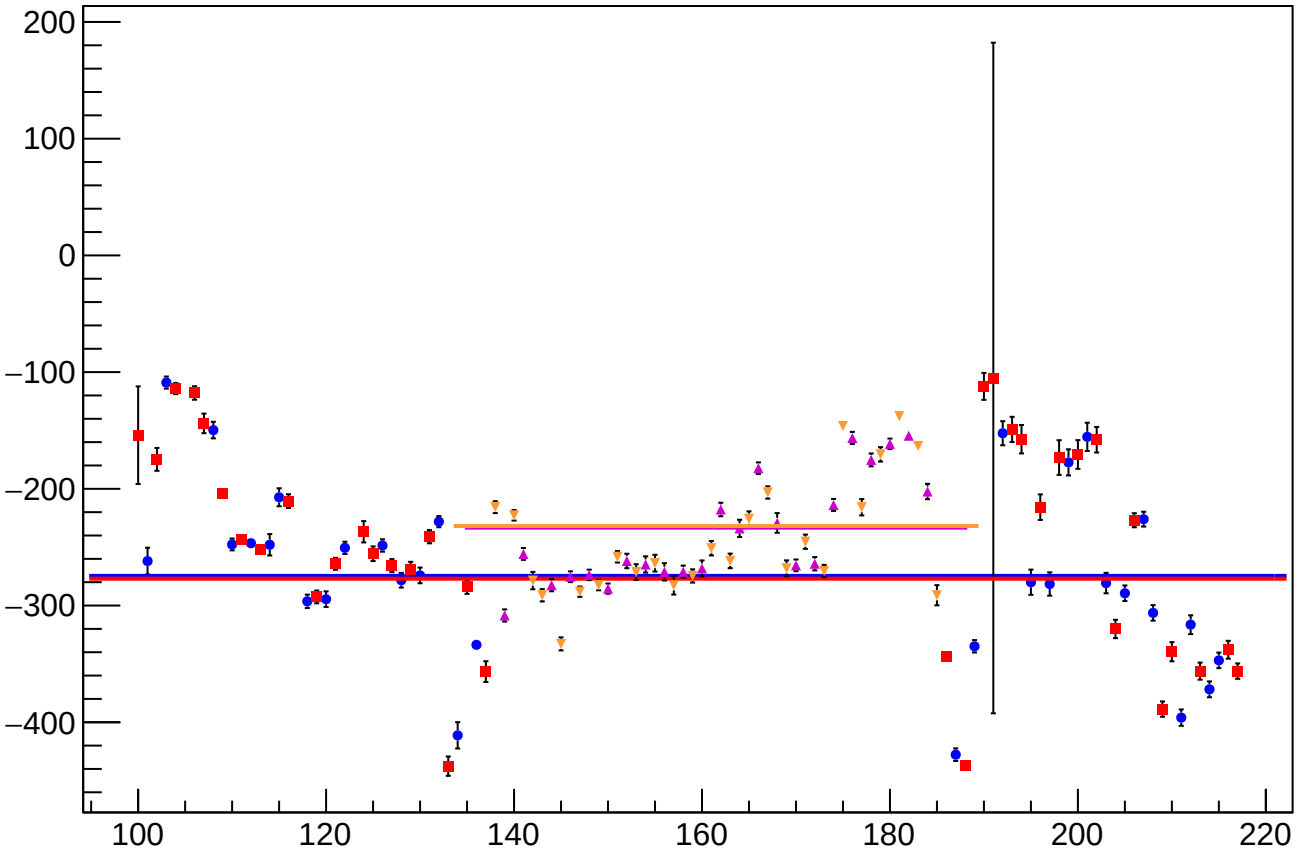
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 110.368+/-0.036 χ^2/NDF: 855518.0/66

In: 121.647+/-0.032 χ^2/NDF:395739.1/53

Out: 112.619+/-0.030 χ^2/NDF:1201647.6/60

All: 116.929+/-0.022 χ^2/NDF: 1640250.5/114



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: -276.974+/-1.034 χ^2/NDF: 8254.0/35

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

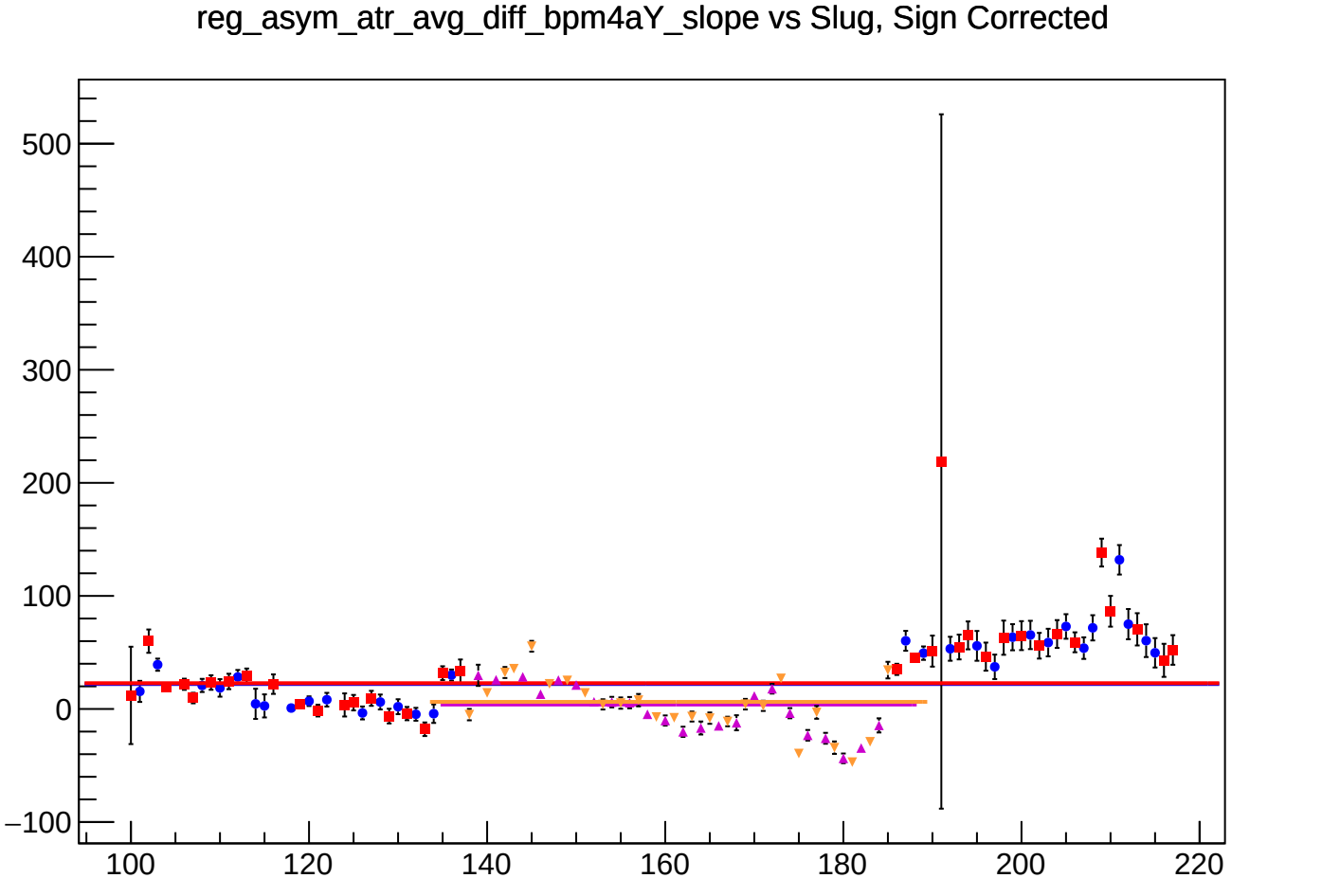
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -275.911+/-0.769 χ^2/NDF: 12242.7/66

In: -253.181+/-0.797 χ^2/NDF:6724.7/53

Out: -255.389+/-0.747 χ^2/NDF:11841.1/60

All: -254.357+/-0.545 χ^2/NDF: 18569.9/114



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: 22.808+/-1.170 χ^2/NDF: 426.3/35

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

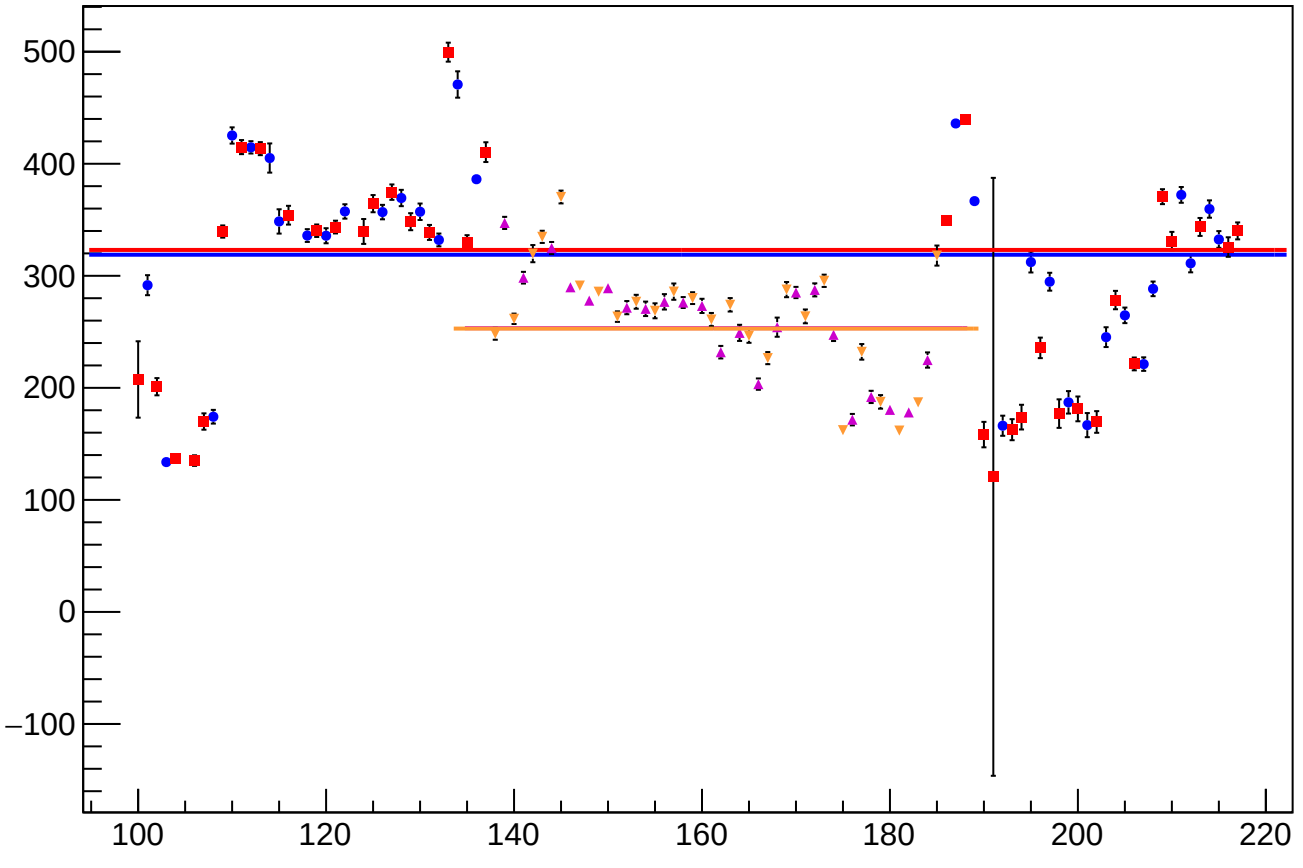
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 22.467+/-0.868 χ^2/NDF: 811.3/66

In: 9.087+/-0.692 χ^2/NDF:1175.6/53

Out: 11.450+/-0.654 χ^2/NDF:1434.7/60

All: 10.334+/-0.475 χ^2/NDF: 2616.4/114



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: 323.089+/-1.036 χ^2/NDF: 10158.8/35

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

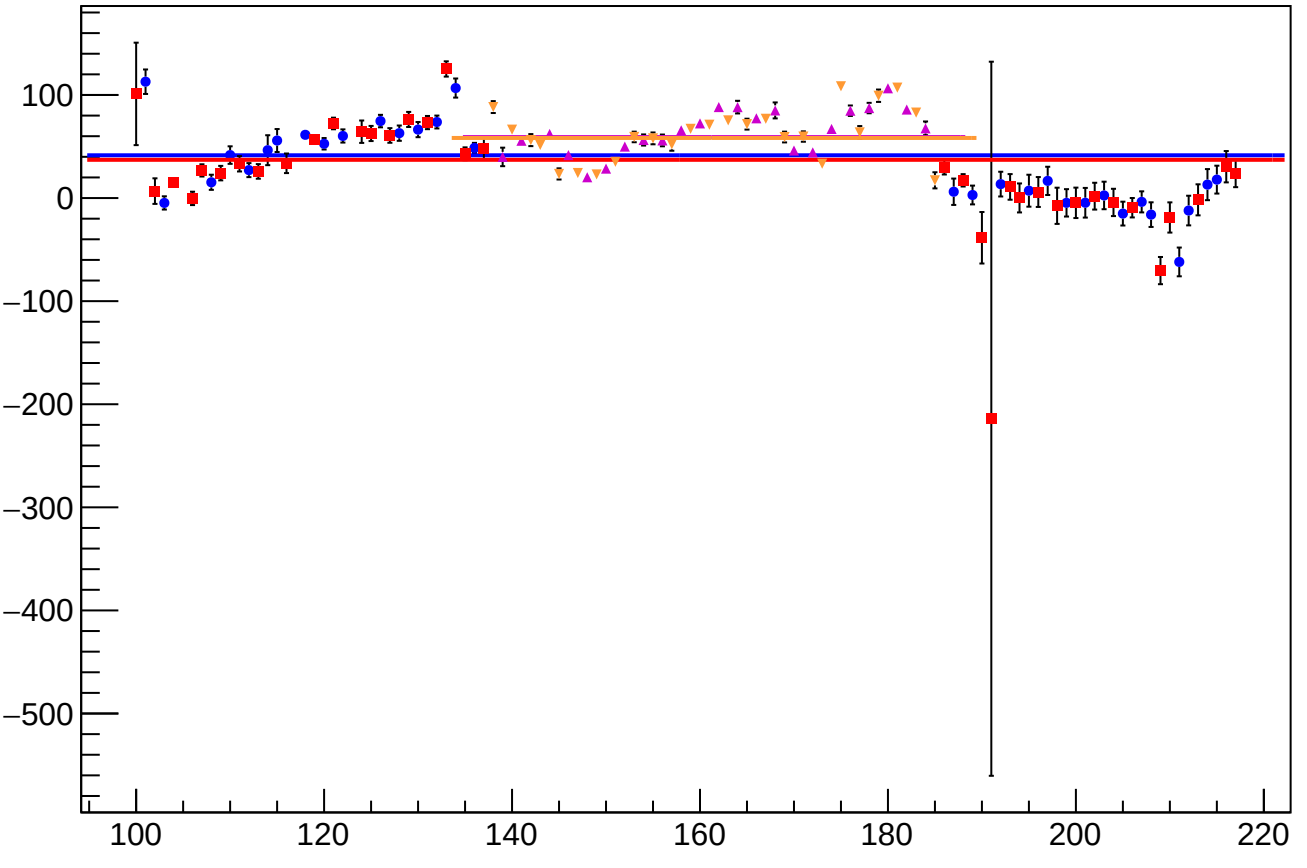
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 321.237+/-0.780 χ^2/NDF: 15943.8/66

In: 283.391+/-0.804 χ^2/NDF:9490.5/53

Out: 289.122+/-0.745 χ^2/NDF:14957.8/60

All: 286.475+/-0.546 χ^2/NDF: 24475.6/114



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: 37.103+/-1.395 χ^2/NDF: 543.8/35

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

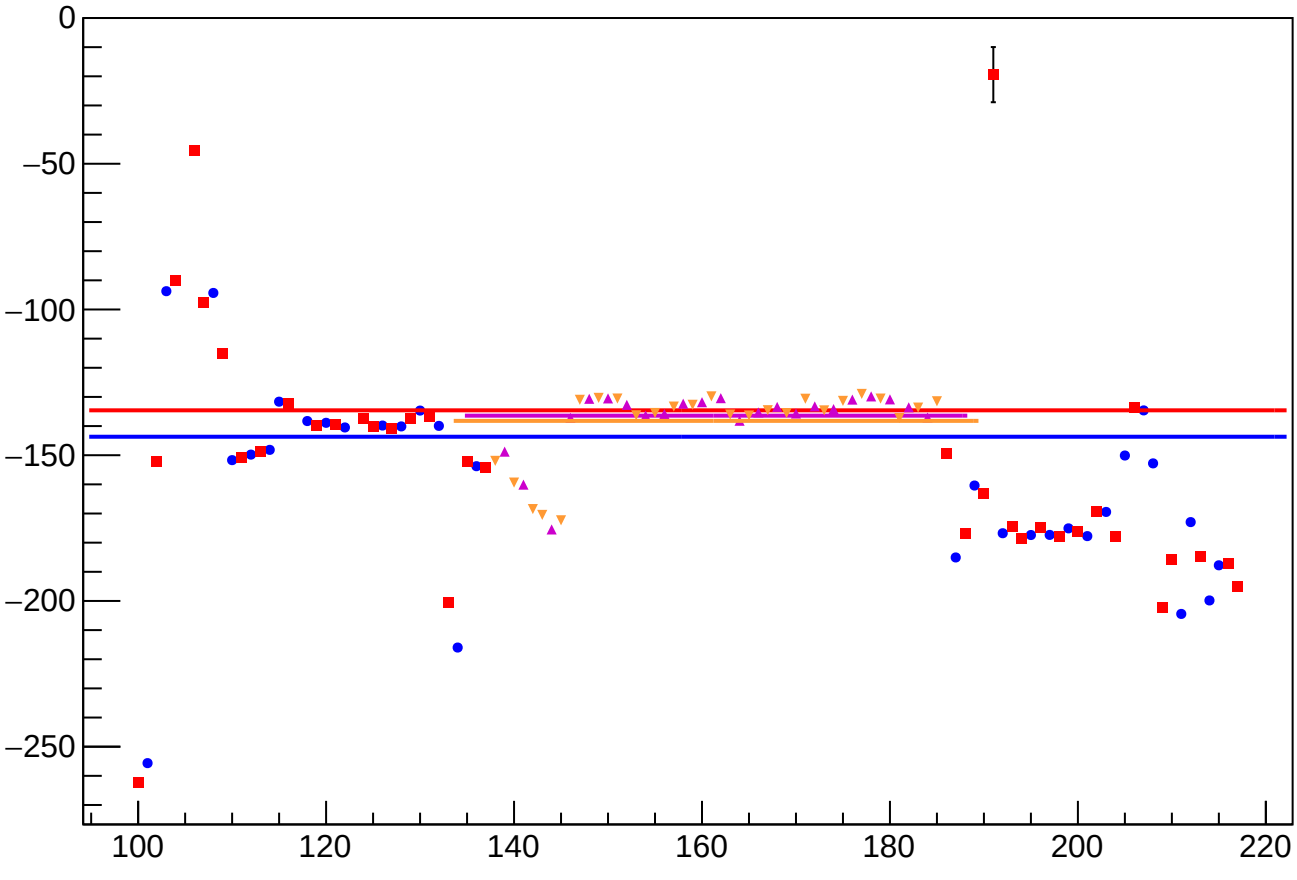
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 39.131+/-1.023 χ^2/NDF: 1027.8/66

In: 54.211+/-0.796 χ^2/NDF:1210.8/53

Out: 51.963+/-0.763 χ^2/NDF:1555.9/60

All: 53.039+/-0.551 χ^2/NDF: 2770.9/114



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: -134.597+/-0.070 χ^2/NDF: 366066.6/35

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

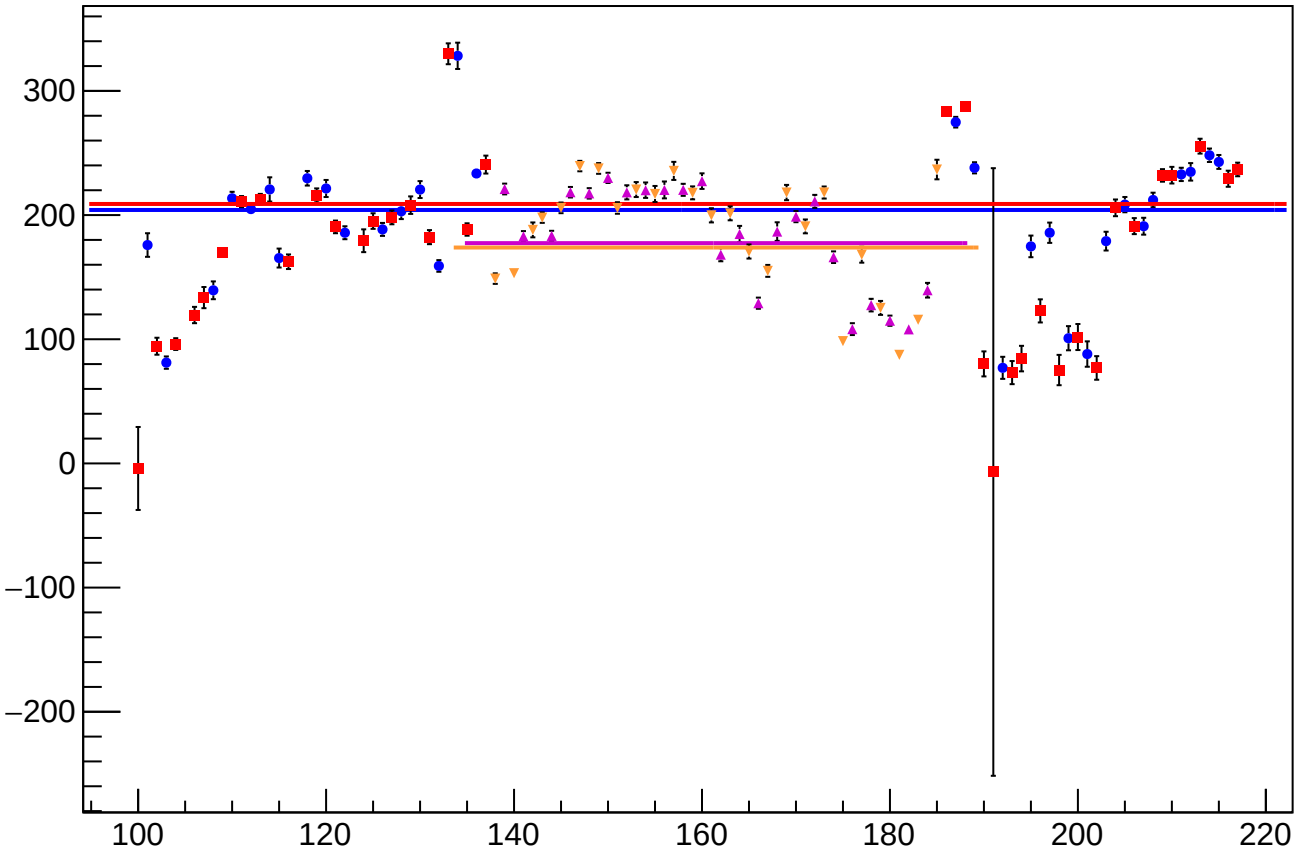
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -138.879+/-0.051 χ^2/NDF: 629508.3/66

In: -138.256+/-0.037 χ^2/NDF:312451.6/53

Out: -137.238+/-0.036 χ^2/NDF:449859.7/60

All: -137.736+/-0.026 χ^2/NDF: 762696.4/114



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: 208.948+/-0.955 χ^2/NDF: 4344.5/35

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

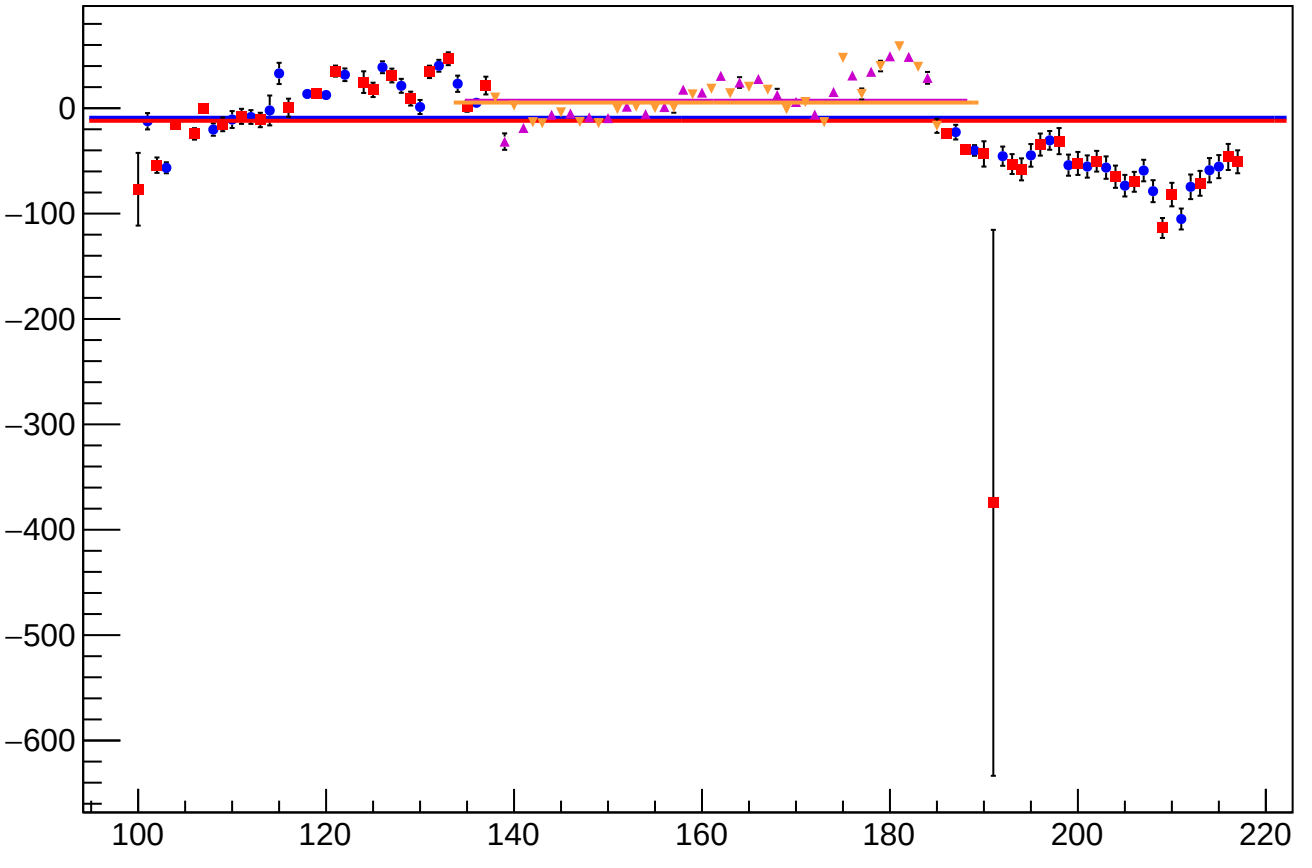
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 206.785+/-0.710 χ^2/NDF: 6411.2/66

In: 189.890+/-0.726 χ^2/NDF:4354.6/53

Out: 191.531+/-0.678 χ^2/NDF:7641.9/60

All: 190.767+/-0.496 χ^2/NDF: 11999.2/114



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: -11.933+/-1.108 χ^2/NDF: 871.8/35

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

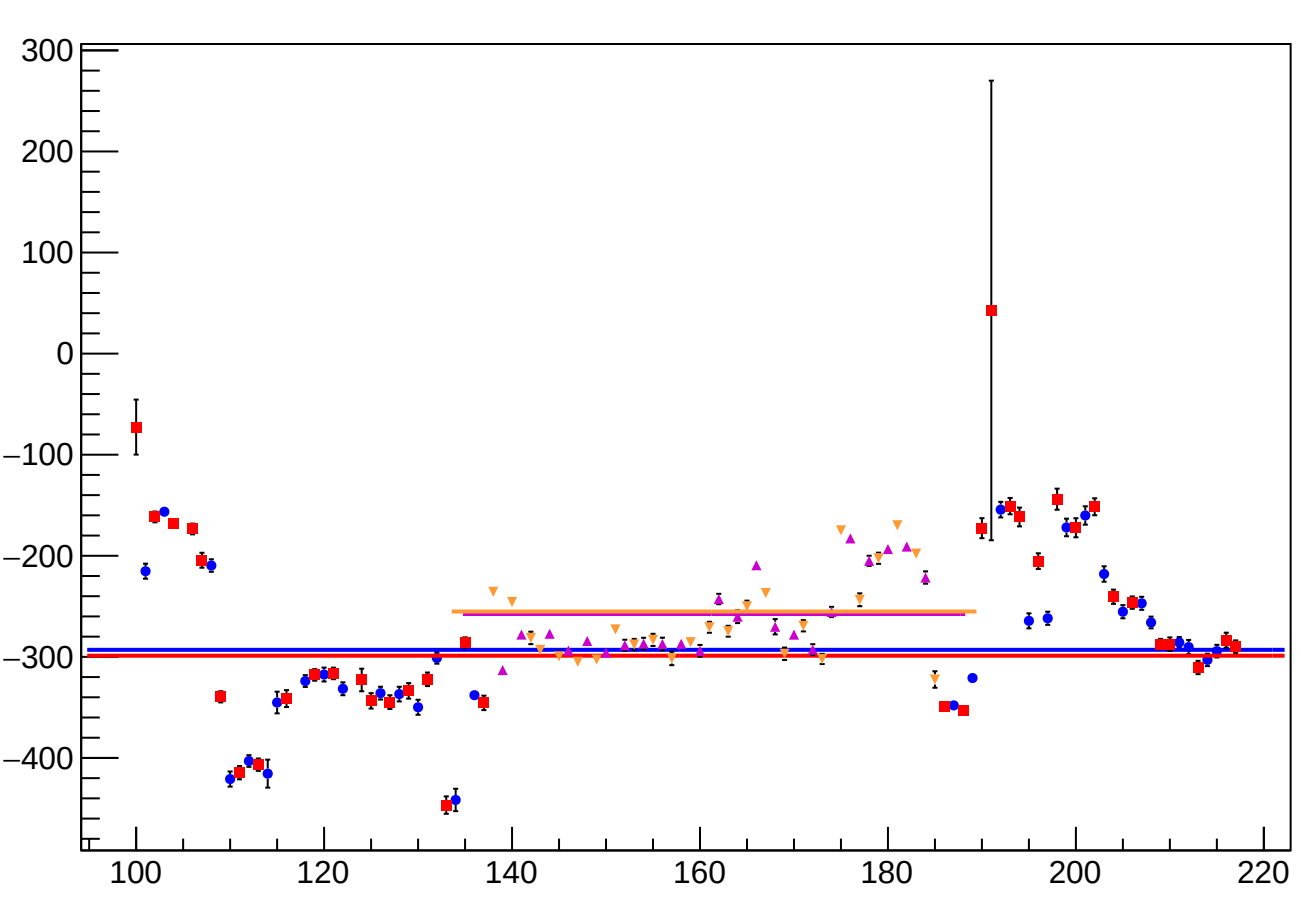
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -10.647+/-0.823 χ^2/NDF: 1696.0/66

In: 2.753+/-0.635 χ^2/NDF:1657.2/53

Out: 0.326+/-0.598 χ^2/NDF:1854.4/60

All: 1.467+/-0.435 χ^2/NDF: 3519.4/114



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: -298.849+/-0.934 χ^2/NDF: 6721.0/35

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

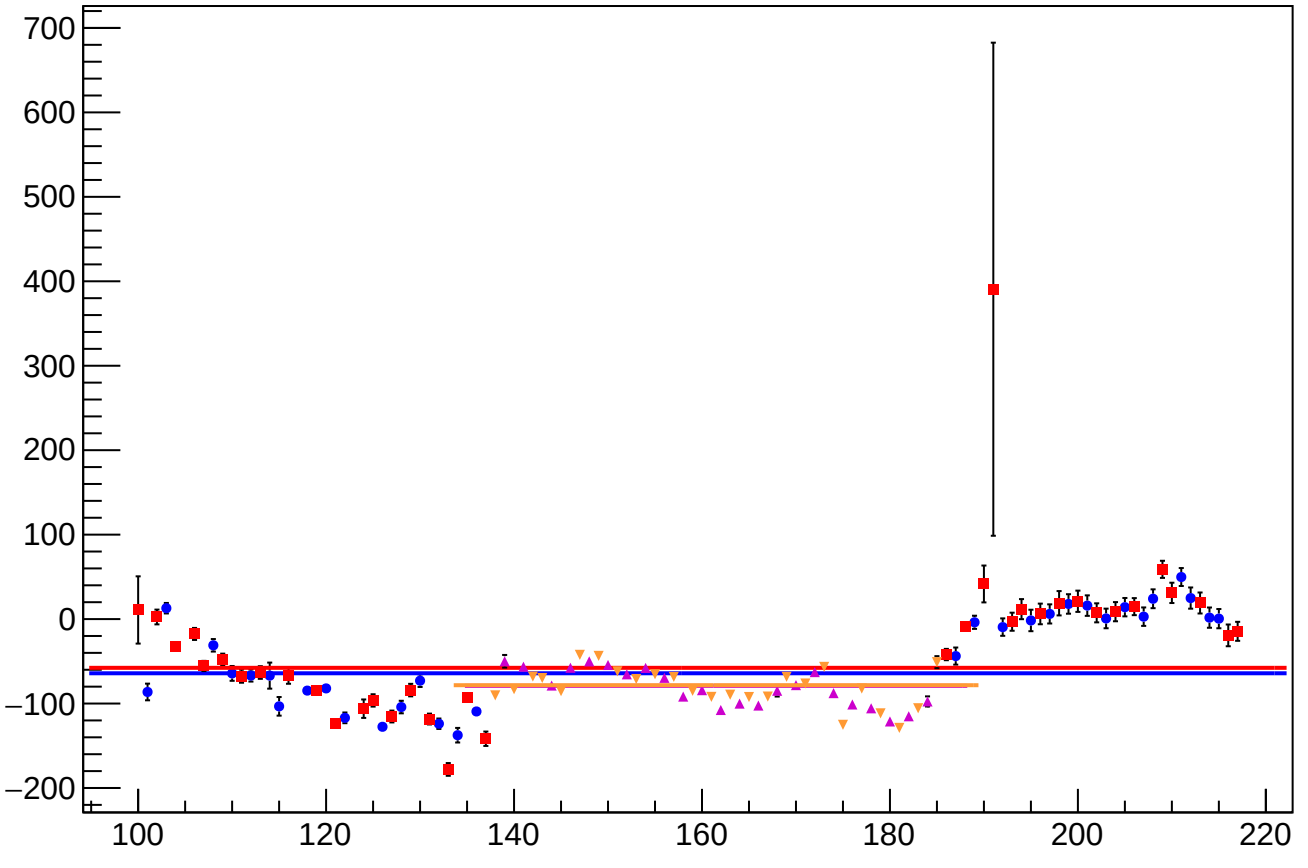
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -296.348+/-0.705 χ^2/NDF: 10843.8/66

In: -273.765+/-0.726 χ^2/NDF:6504.7/53

Out: -277.492+/-0.668 χ^2/NDF:10135.5/60

All: -275.783+/-0.492 χ^2/NDF: 16654.5/114



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: -57.708+/-1.325 χ^2/NDF: 1552.5/35

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

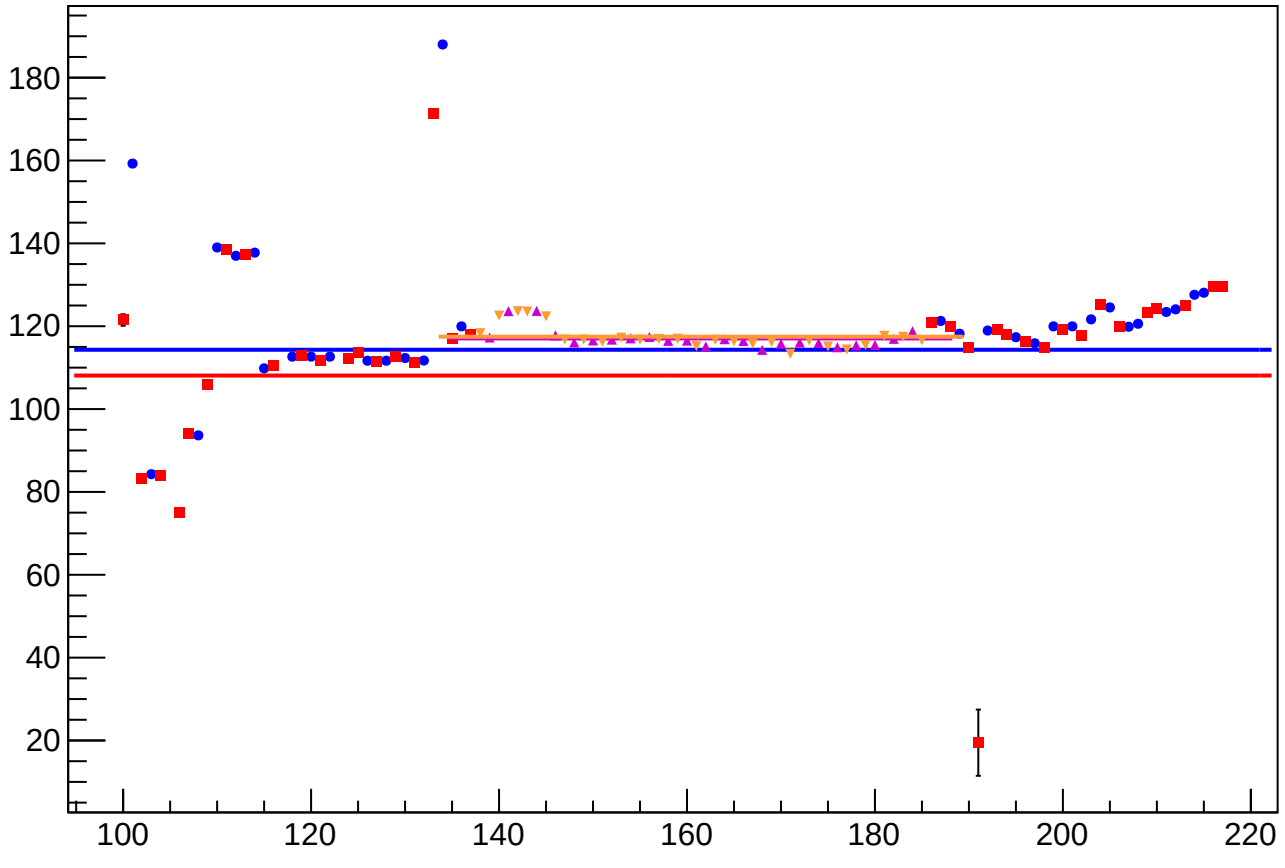
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -60.697+/-0.971 χ^2/NDF: 2945.0/66

In: -75.171+/-0.730 χ^2/NDF:2164.7/53

Out: -72.603+/-0.696 χ^2/NDF:2595.4/60

All: -73.828+/-0.504 χ^2/NDF: 4766.5/114



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: 108.099+/-0.064 χ^2/NDF: 83830.4/35

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

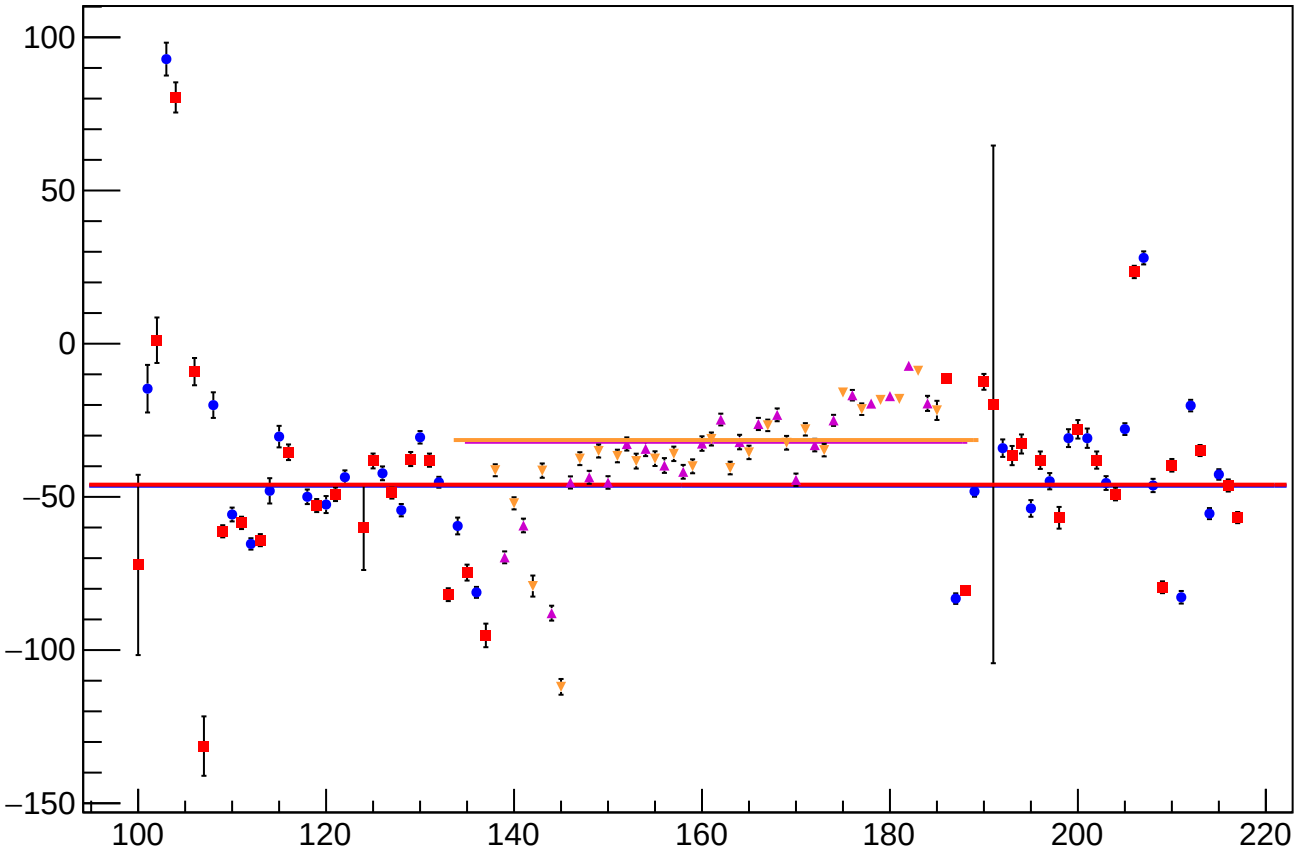
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 111.025+/-0.046 χ^2/NDF: 177353.1/66

In: 116.378+/-0.034 χ^2/NDF:93626.1/53

Out: 115.024+/-0.033 χ^2/NDF:104489.7/60

All: 115.683+/-0.023 χ^2/NDF: 198951.6/114



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: -46.013+/-0.371 χ^2/NDF: 5779.1/35

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

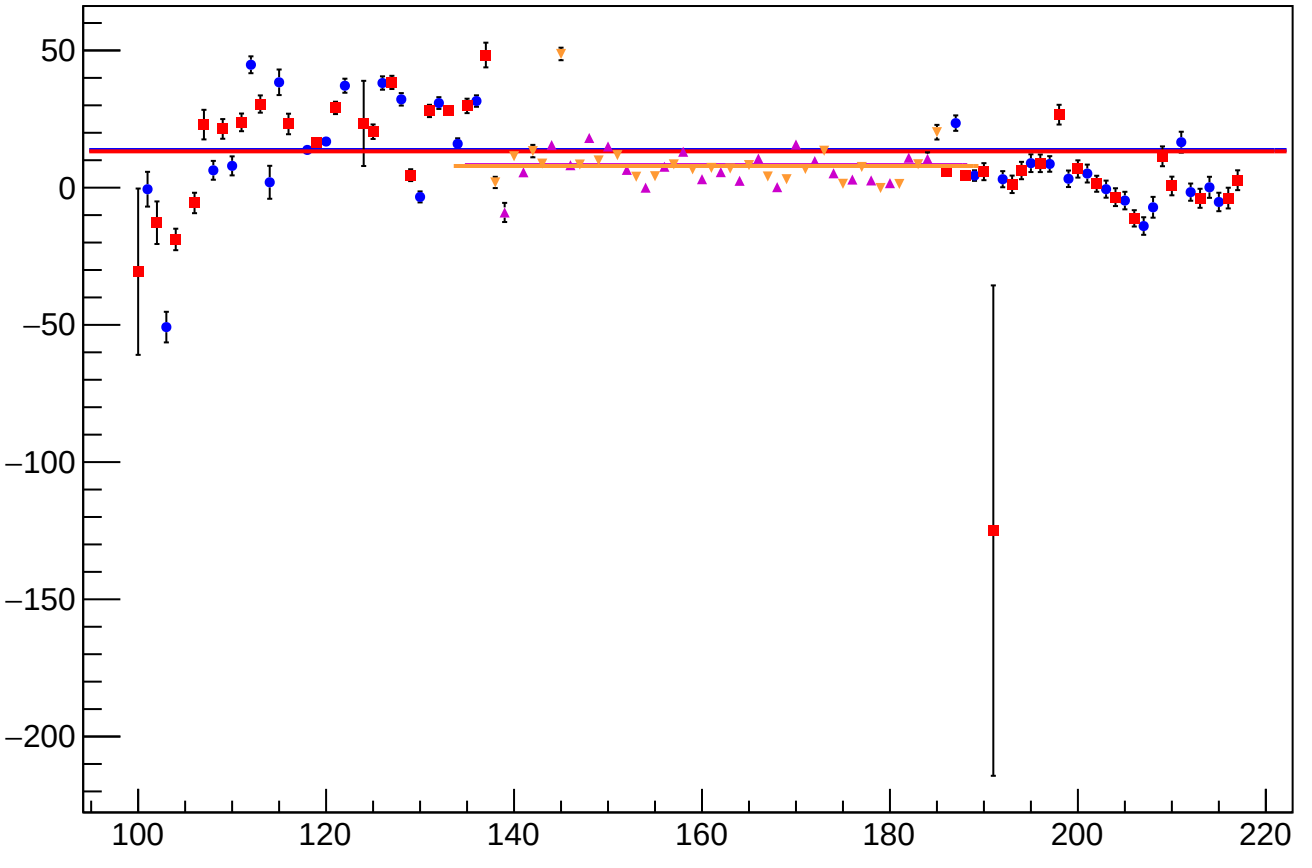
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -46.169+/-0.274 χ^2/NDF: 9522.3/66

In: -39.221+/-0.289 χ^2/NDF:6273.7/53

Out: -39.263+/-0.272 χ^2/NDF:8486.1/60

All: -39.243+/-0.198 χ^2/NDF: 14759.8/114



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: 13.228+/-0.447 χ^2/NDF: 884.6/35

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

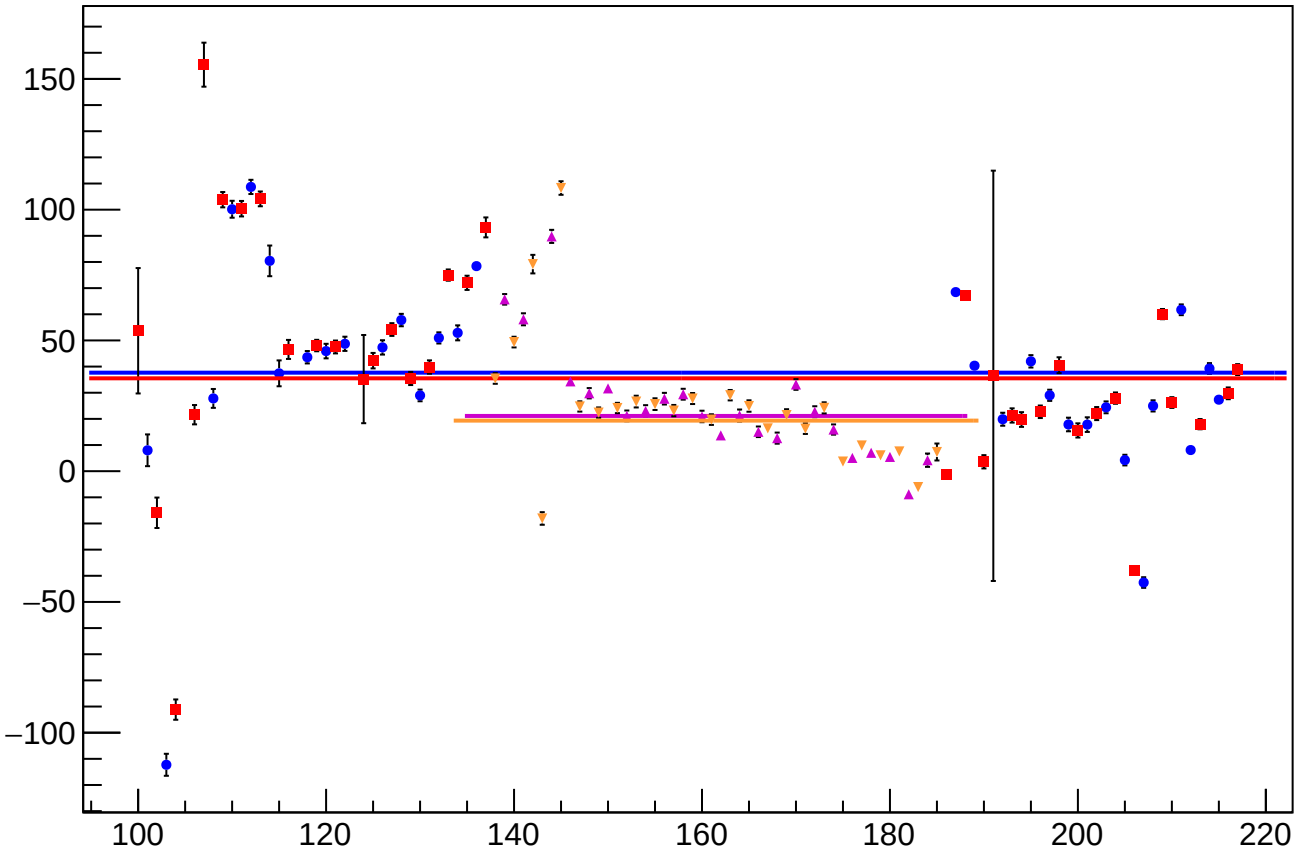
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 13.455+/-0.328 χ^2/NDF: 1930.4/66

In: 9.871+/-0.264 χ^2/NDF:1475.0/53

Out: 9.581+/-0.251 χ^2/NDF:1472.4/60

All: 9.719+/-0.182 χ^2/NDF: 2948.0/114



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: 35.508+/-0.362 χ^2/NDF: 9375.4/35

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

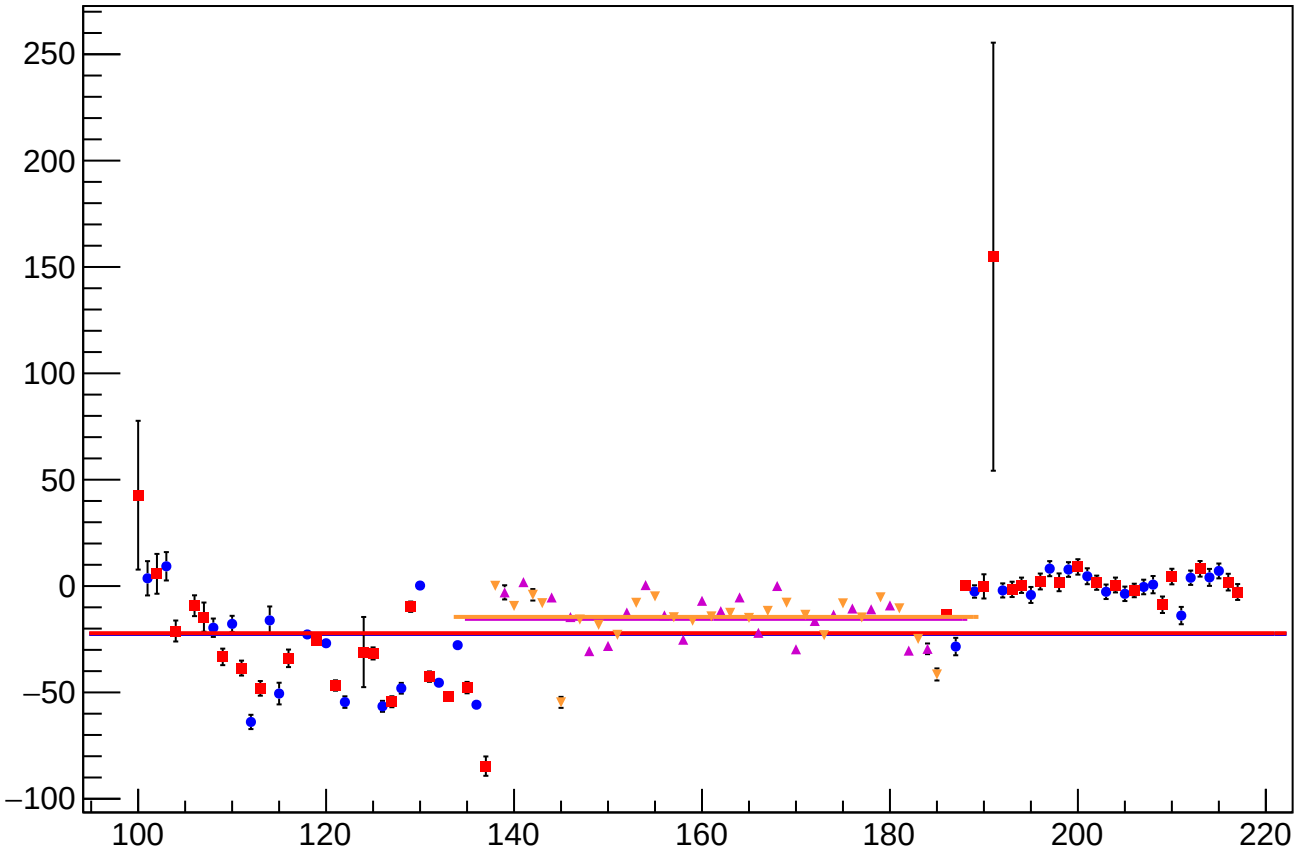
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.440+/-0.273 χ^2/NDF: 15477.5/66

In: 29.169+/-0.290 χ^2/NDF:9404.1/53

Out: 28.134+/-0.267 χ^2/NDF:12966.6/60

All: 28.609+/-0.197 χ^2/NDF: 22377.6/114



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: -22.165+/-0.535 χ^2/NDF: 1723.6/35

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

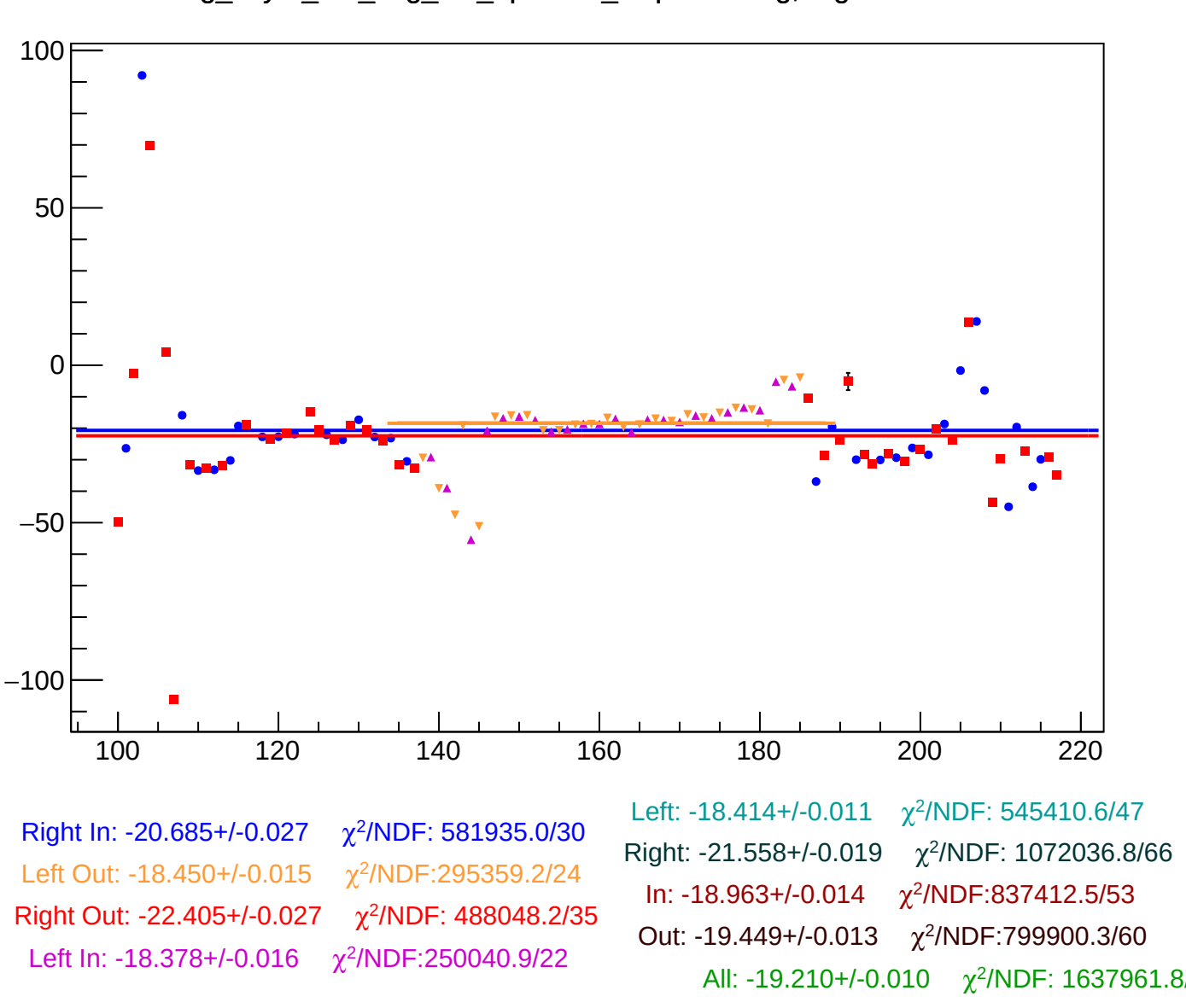
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

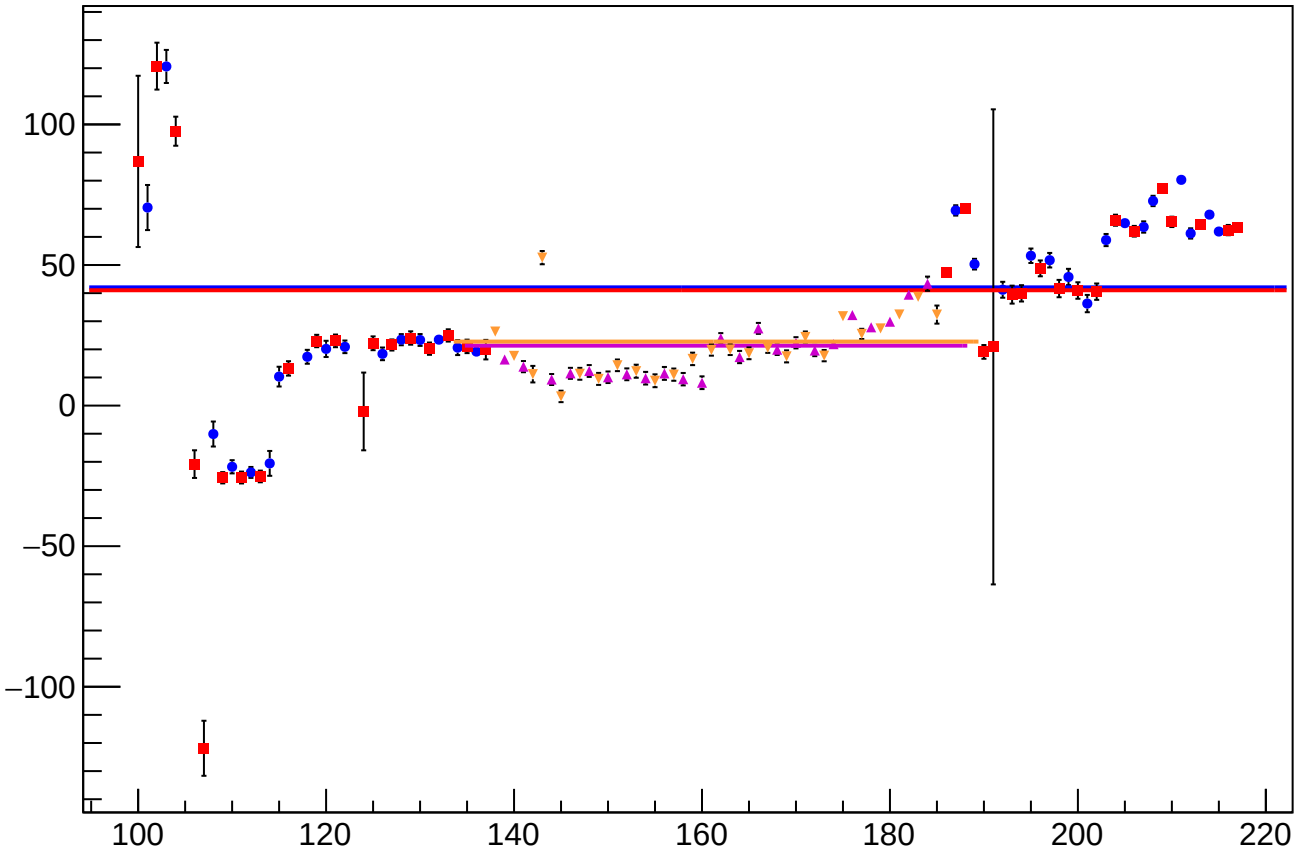
Right: -22.342+/-0.386 χ^2/NDF: 3456.2/66

In: -17.476+/-0.300 χ^2/NDF:2647.2/53

Out: -16.741+/-0.289 χ^2/NDF:2509.6/60

All: -17.096+/-0.208 χ^2/NDF: 5160.0/114


reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -20.685+/-0.027 χ²/NDF: 581935.0/30
Left Out: -18.450+/-0.015 χ²/NDF:295359.2/24
Right Out: -22.405+/-0.027 χ²/NDF: 488048.2/35
Left In: -18.378+/-0.016 χ²/NDF:250040.9/22
Left: -18.414+/-0.011 χ²/NDF: 545410.6/47
Right: -21.558+/-0.019 χ²/NDF: 1072036.8/66
In: -18.963+/-0.014 χ²/NDF:837412.5/53
Out: -19.449+/-0.013 χ²/NDF:799900.3/60
All: -19.210+/-0.010 χ²/NDF: 1637961.8/114



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: 41.024+/-0.371 χ^2/NDF: 6816.5/35

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

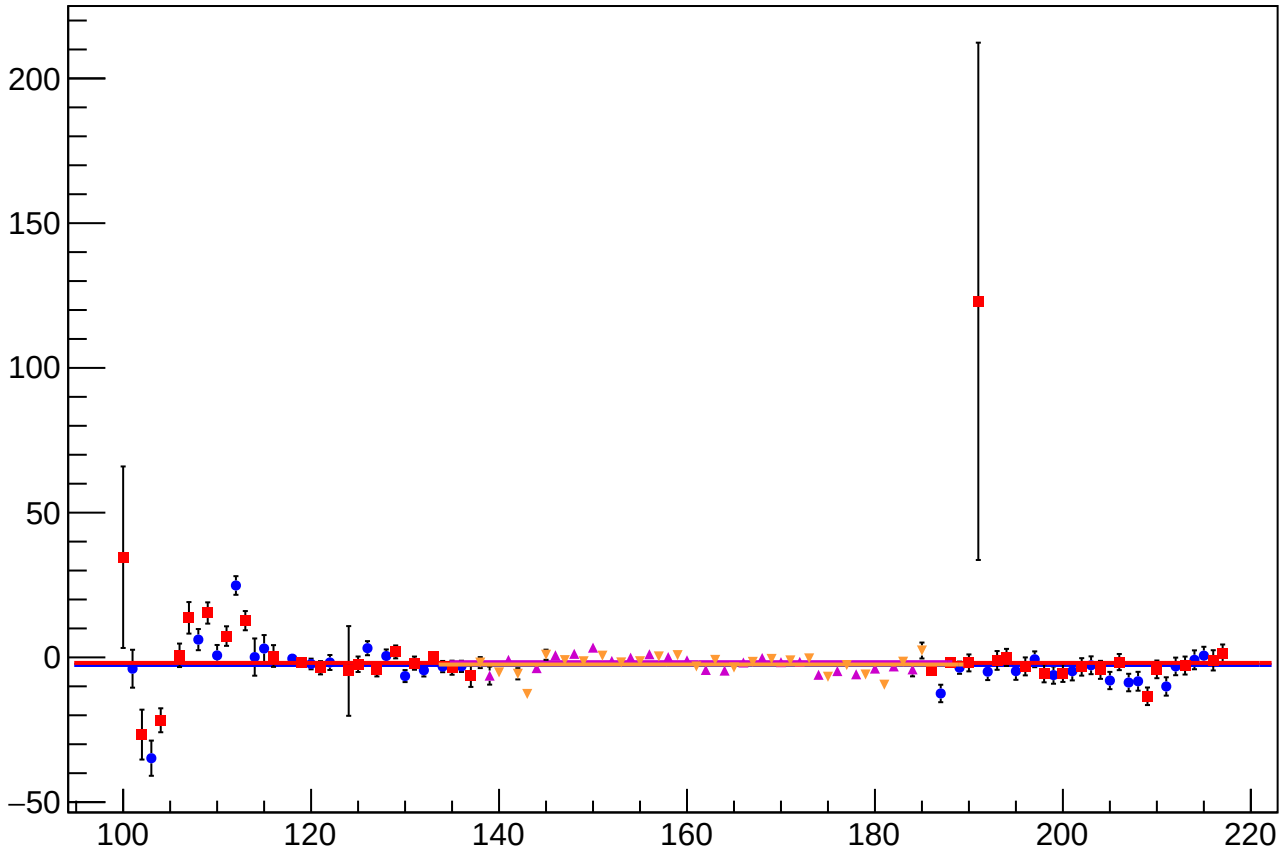
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 41.505+/-0.271 χ^2/NDF: 12146.7/66

In: 31.629+/-0.279 χ^2/NDF:7340.6/53

Out: 32.170+/-0.266 χ^2/NDF:8712.2/60

All: 31.911+/-0.193 χ^2/NDF: 16054.8/114



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: -1.907+/-0.457 χ^2/NDF: 122.8/35

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

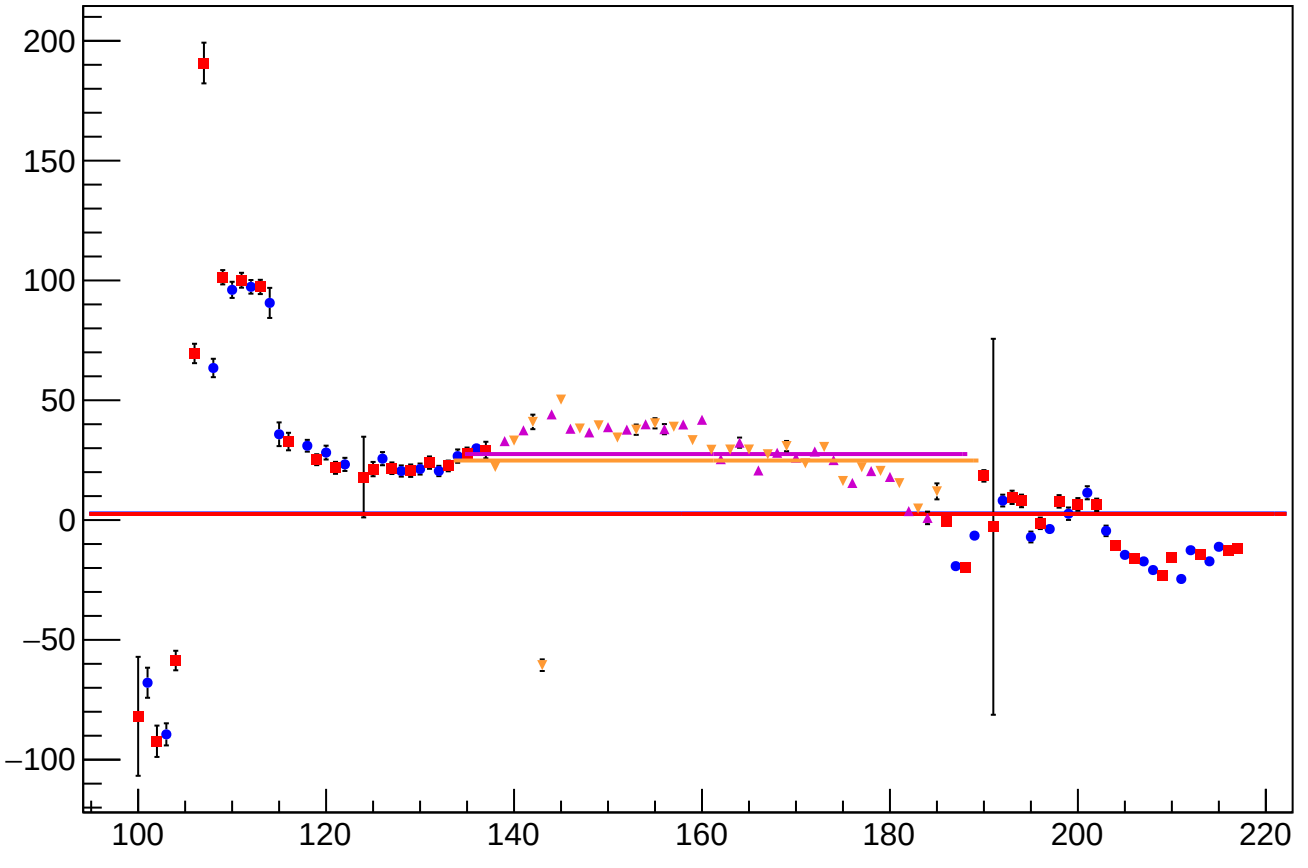
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.245+/-0.331 χ^2/NDF: 278.7/66

In: -1.934+/-0.257 χ^2/NDF:227.8/53

Out: -2.305+/-0.247 χ^2/NDF:240.5/60

All: -2.127+/-0.178 χ^2/NDF: 469.5/114



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: 2.534+/-0.369 χ^2/NDF: 6424.7/35

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

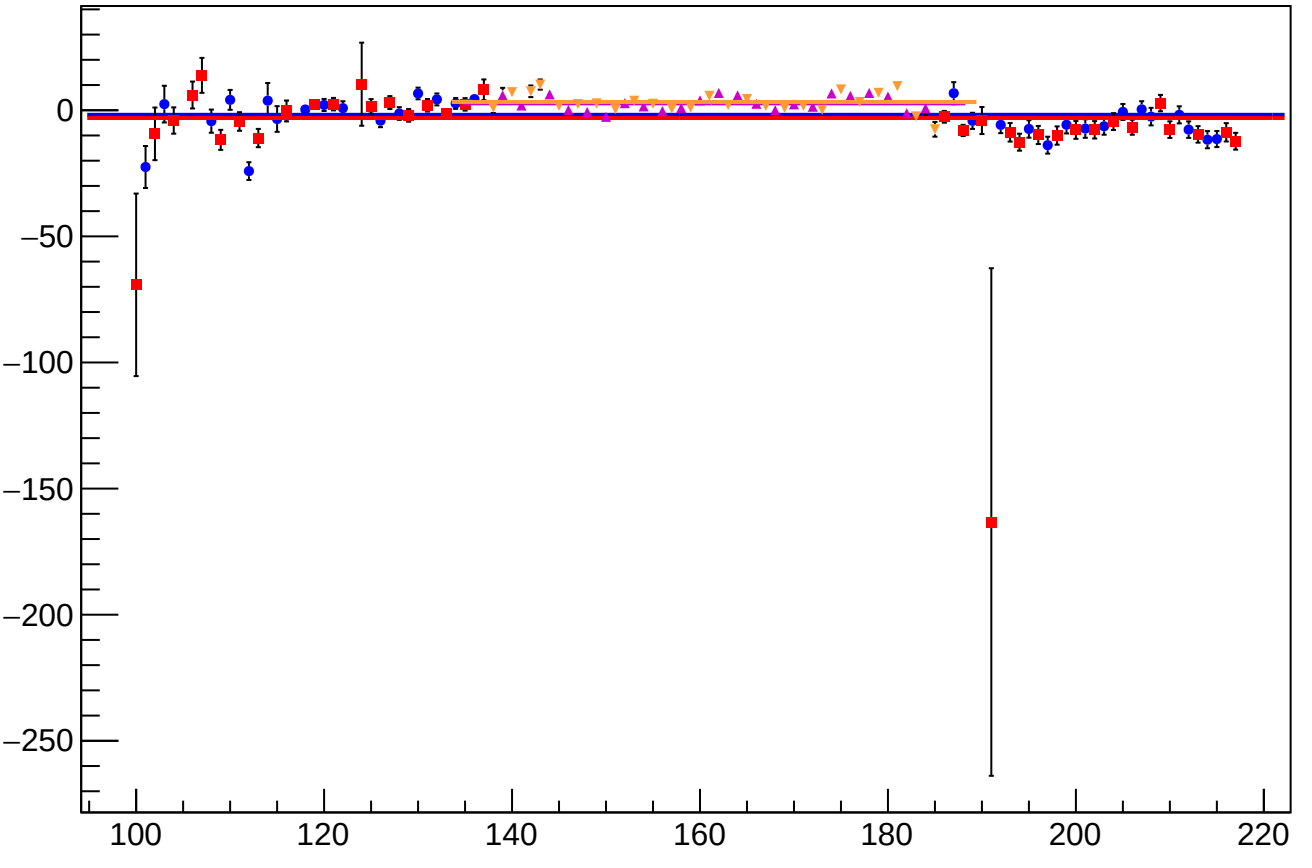
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 2.631+/-0.273 χ^2/NDF: 11349.3/66

In: 15.675+/-0.281 χ^2/NDF:7754.0/53

Out: 13.371+/-0.265 χ^2/NDF:10249.7/60

All: 14.455+/-0.193 χ^2/NDF: 18039.3/114



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: -3.064+/-0.539 χ^2/NDF: 111.5/35

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

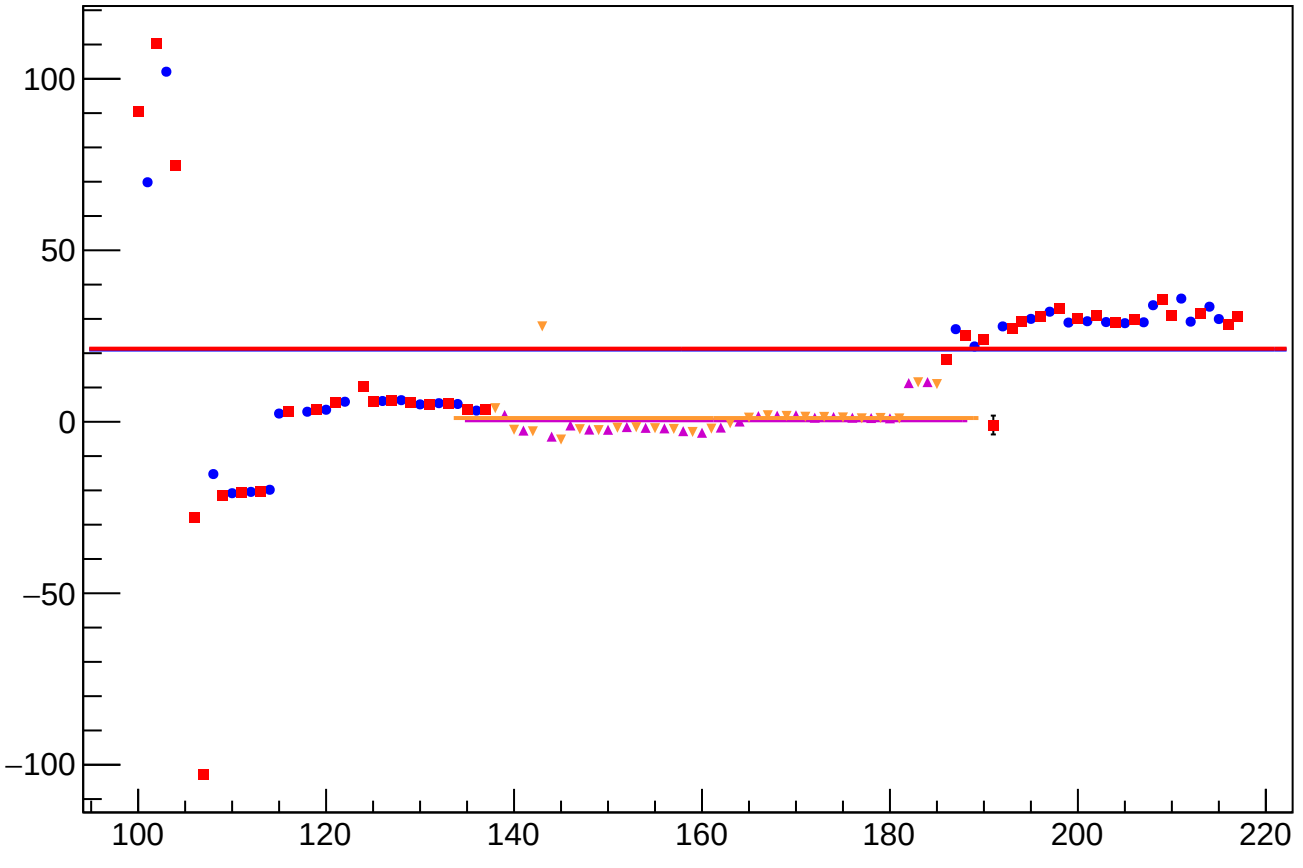
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.449+/-0.384 χ^2/NDF: 252.7/66

In: 1.459+/-0.290 χ^2/NDF:262.3/53

Out: 1.544+/-0.282 χ^2/NDF:318.6/60

All: 1.503+/-0.202 χ^2/NDF: 580.9/114



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: 21.321+/-0.026 χ^2/NDF: 646394.6/35

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

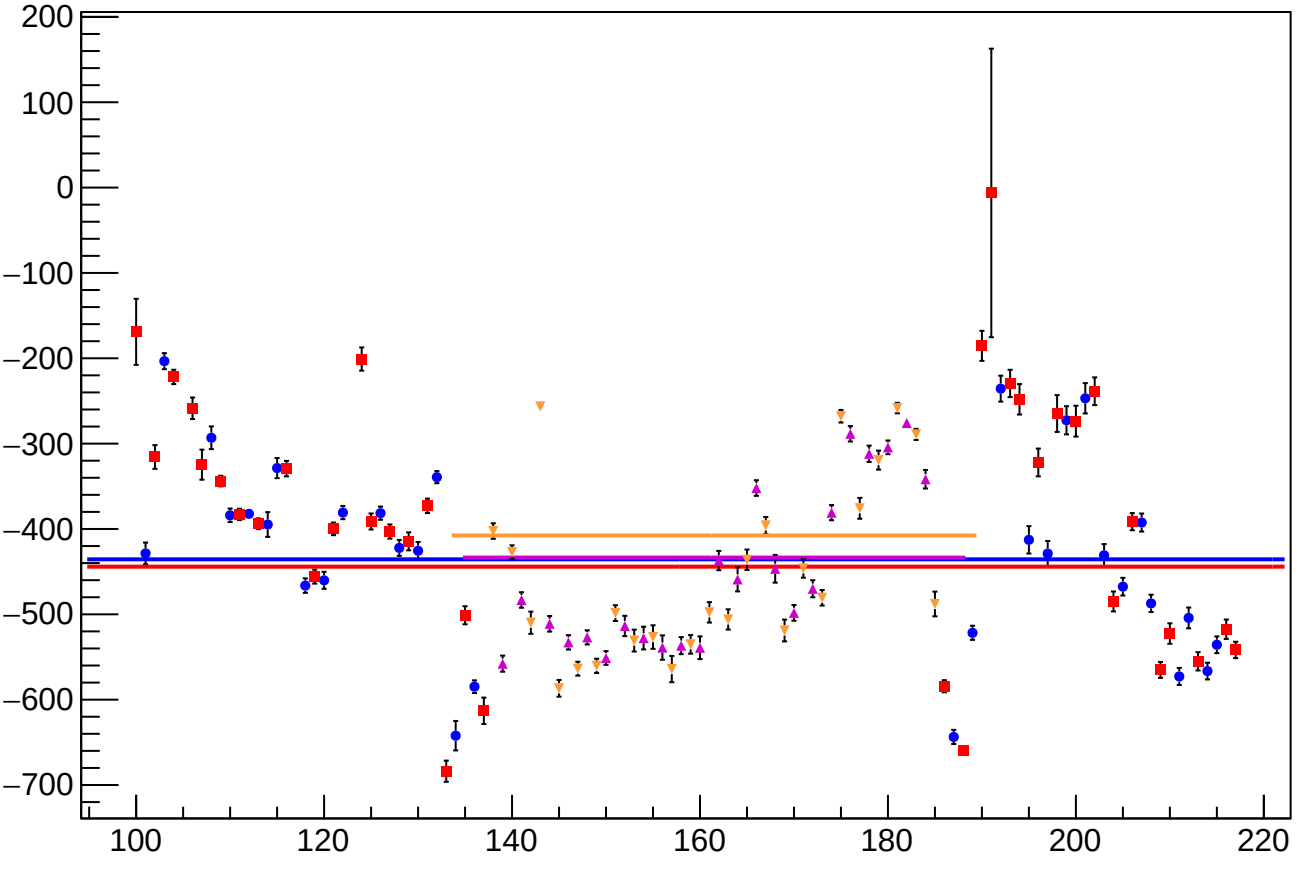
Right: 21.194+/-0.019 χ^2/NDF: 1151103.0/66

In: 5.569+/-0.013 χ^2/NDF:1022619.7/53

Out: 6.024+/-0.013 χ^2/NDF:1228094.4/60

All: 5.799+/-0.009 χ^2/NDF: 2251325.4/114

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -435.576+/-1.767 χ^2/NDF: 3466.3/30

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -444.145+/-1.624 χ^2/NDF: 6872.2/35

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

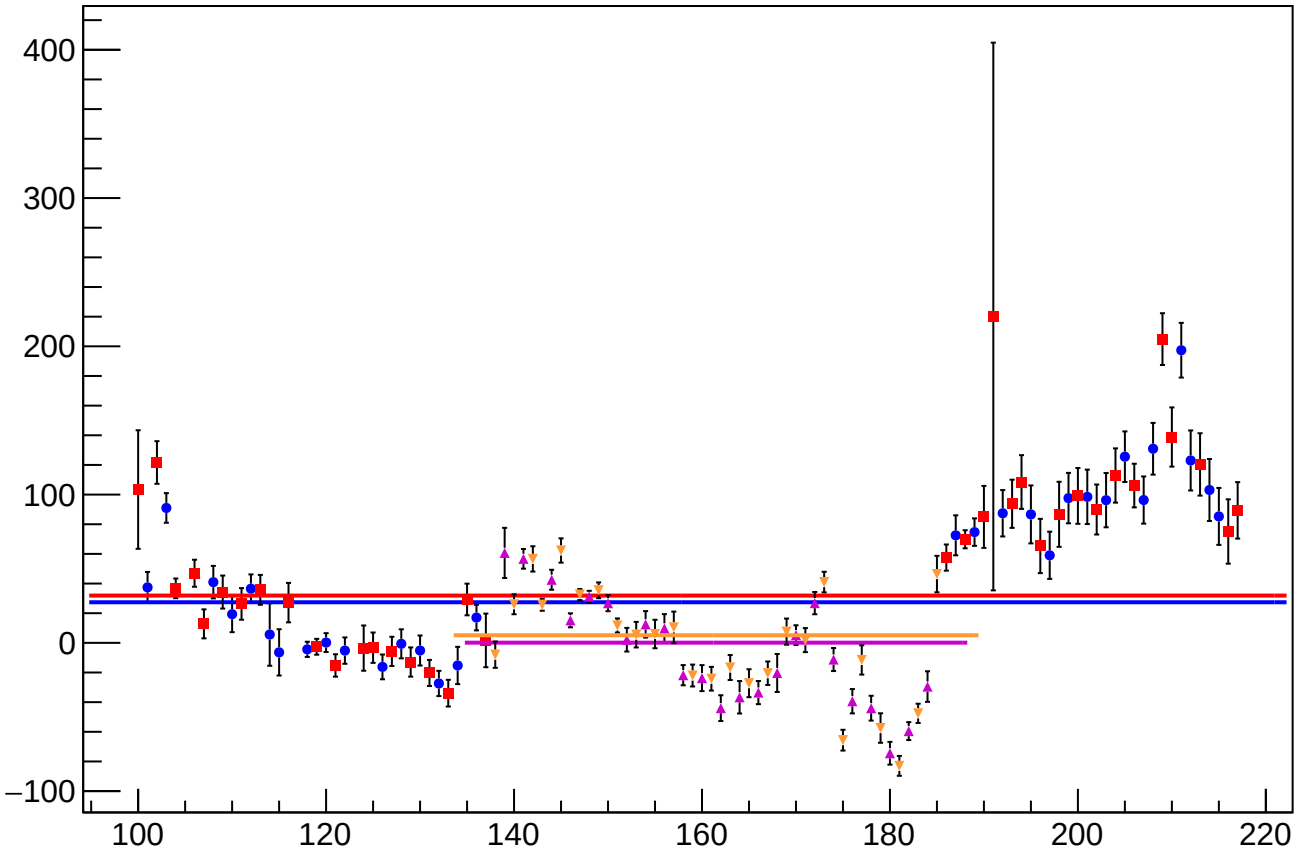
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -440.222+/-1.196 χ^2/NDF: 10351.3/66

In: -434.675+/-1.322 χ^2/NDF:6191.4/53

Out: -428.419+/-1.226 χ^2/NDF:11095.6/60

All: -431.310+/-0.899 χ^2/NDF: 17299.1/114



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: 31.889+/-1.863 χ^2/NDF: 598.3/35

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

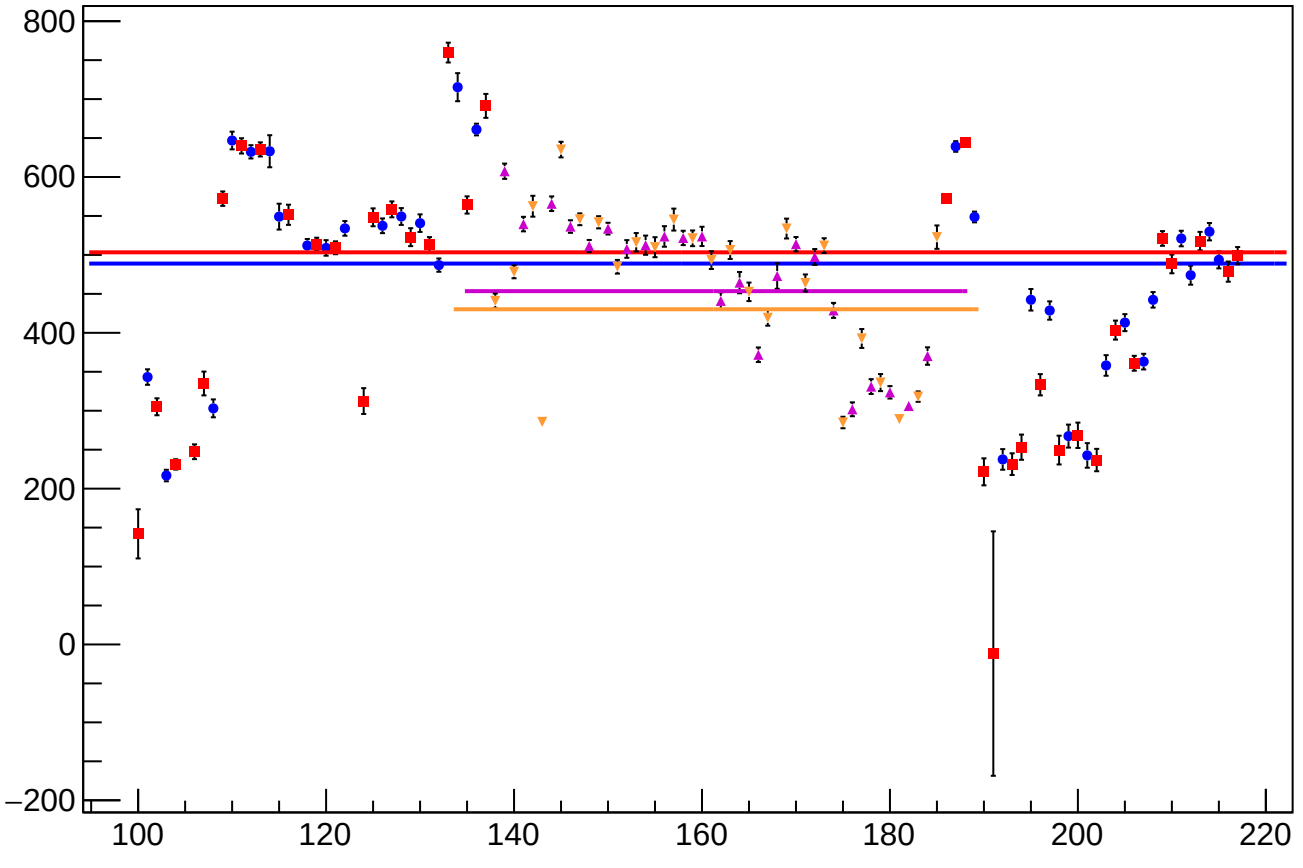
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 29.780+/-1.359 χ^2/NDF: 1149.3/66

In: 9.930+/-1.192 χ^2/NDF:1237.3/53

Out: 14.592+/-1.108 χ^2/NDF:1420.8/60

All: 12.430+/-0.812 χ^2/NDF: 2666.3/114



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: 503.320+/-1.641 χ^2/NDF: 8077.2/35

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

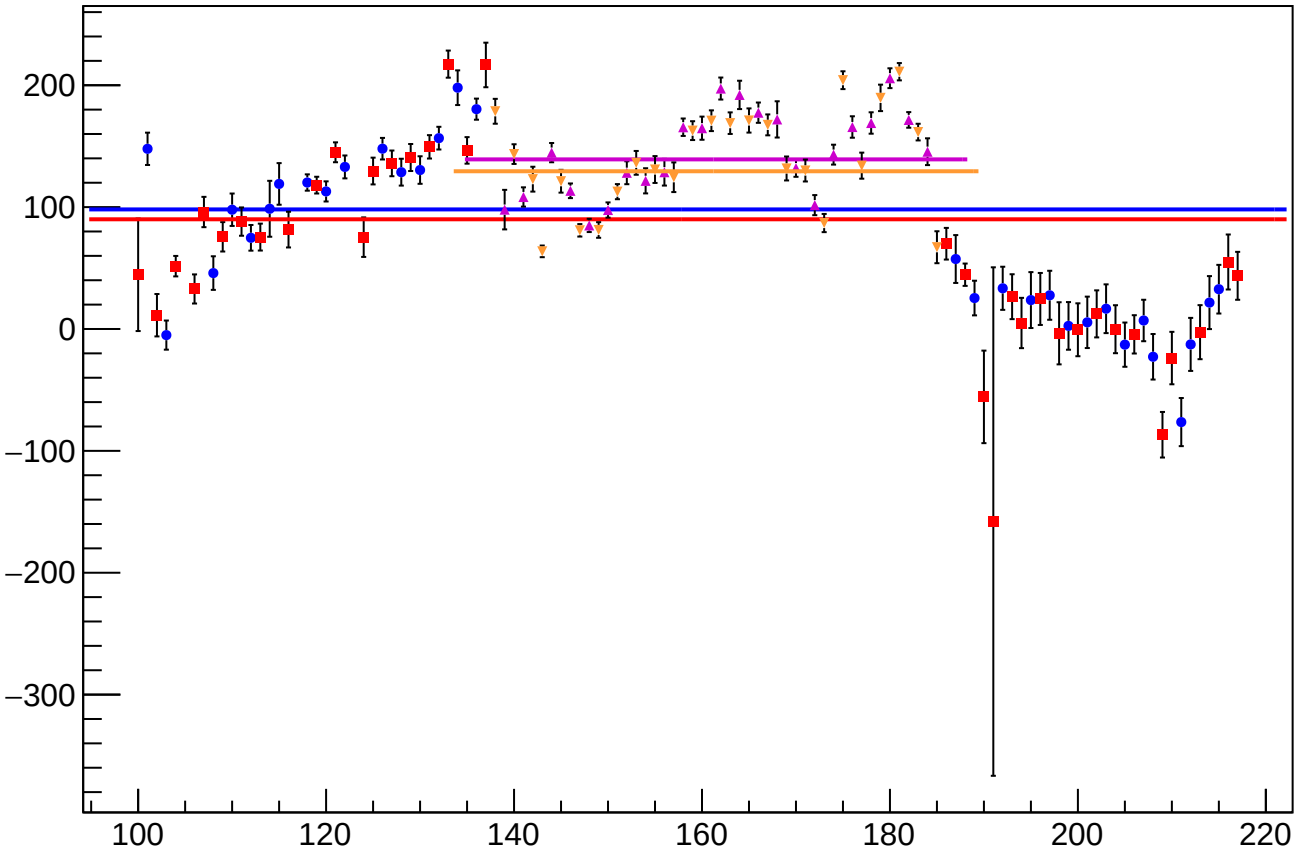
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 496.902+/-1.223 χ^2/NDF: 13053.0/66

In: 472.485+/-1.344 χ^2/NDF:7533.5/53

Out: 471.354+/-1.231 χ^2/NDF:12349.9/60

All: 471.870+/-0.908 χ^2/NDF: 19883.8/114



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: 90.008+/-2.208 χ^2/NDF: 757.4/35

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

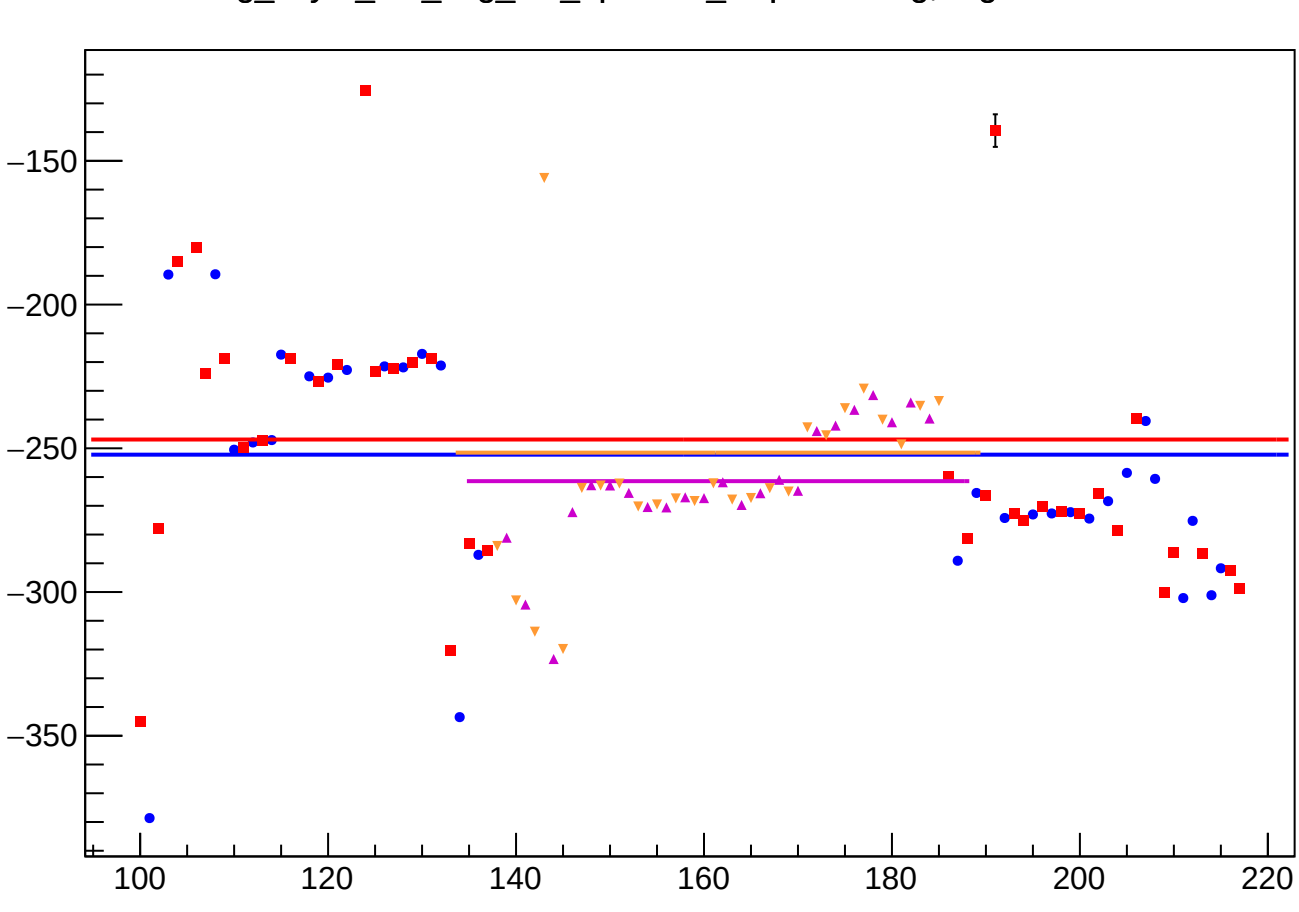
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 93.863+/-1.599 χ^2/NDF: 1489.0/66

In: 124.756+/-1.373 χ^2/NDF:1362.8/53

Out: 115.935+/-1.292 χ^2/NDF:1781.2/60

All: 120.075+/-0.941 χ^2/NDF: 3165.9/114



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: -246.942+/-0.114 χ^2/NDF: 122953.8/35

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

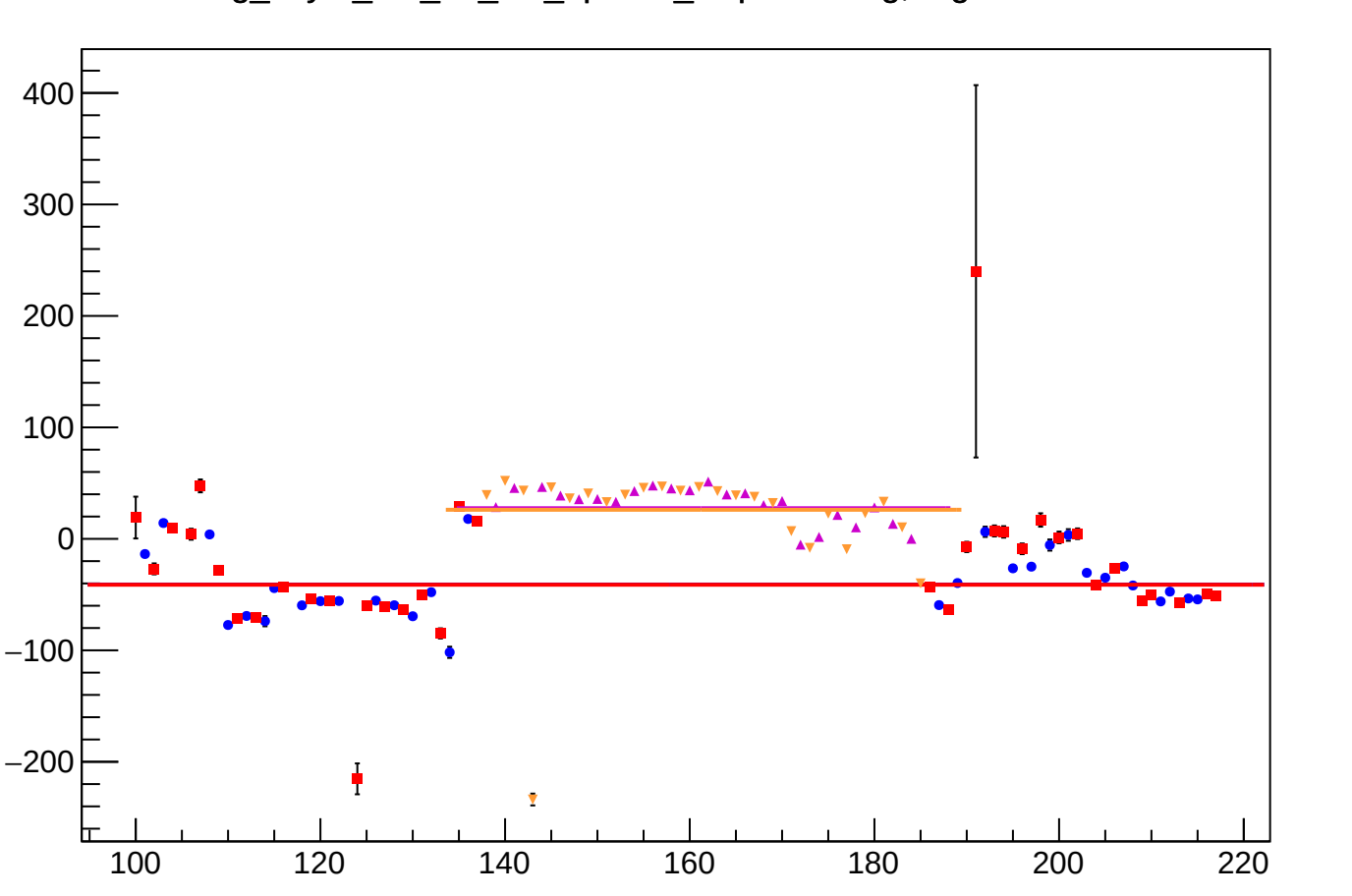
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -249.485+/-0.082 χ^2/NDF: 279374.6/66

In: -258.631+/-0.065 χ^2/NDF:229191.7/53

Out: -250.139+/-0.062 χ^2/NDF:379001.7/60

All: -254.213+/-0.045 χ^2/NDF: 617072.6/114



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: -41.156+/-0.492 χ^2/NDF: 3374.0/35

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

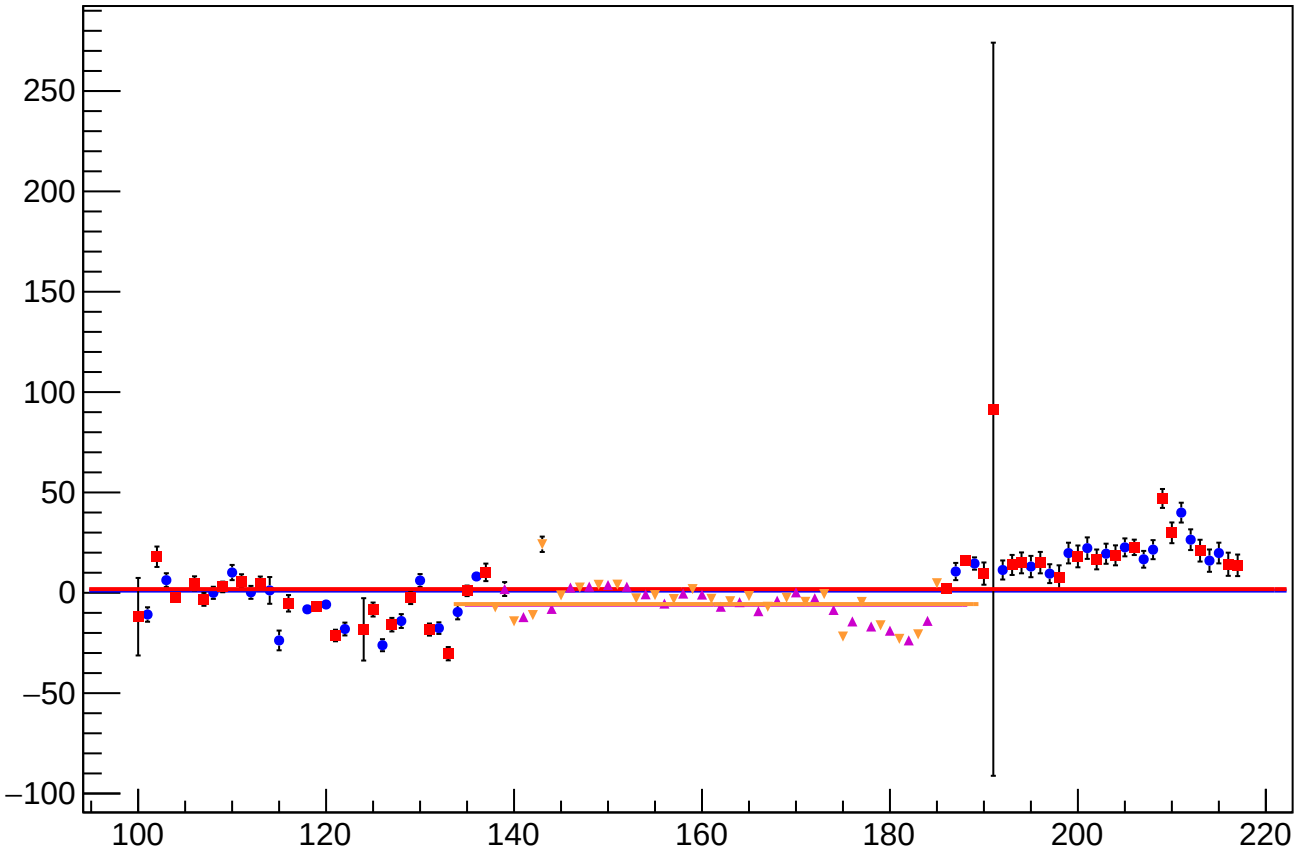
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -41.081+/-0.364 χ^2/NDF: 6215.9/66

In: 3.557+/-0.319 χ^2/NDF:14899.3/53

Out: 0.159+/-0.305 χ^2/NDF:19639.6/60

All: 1.783+/-0.221 χ^2/NDF: 34598.1/114



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: 1.838+/-0.595 χ^2/NDF: 556.8/35

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

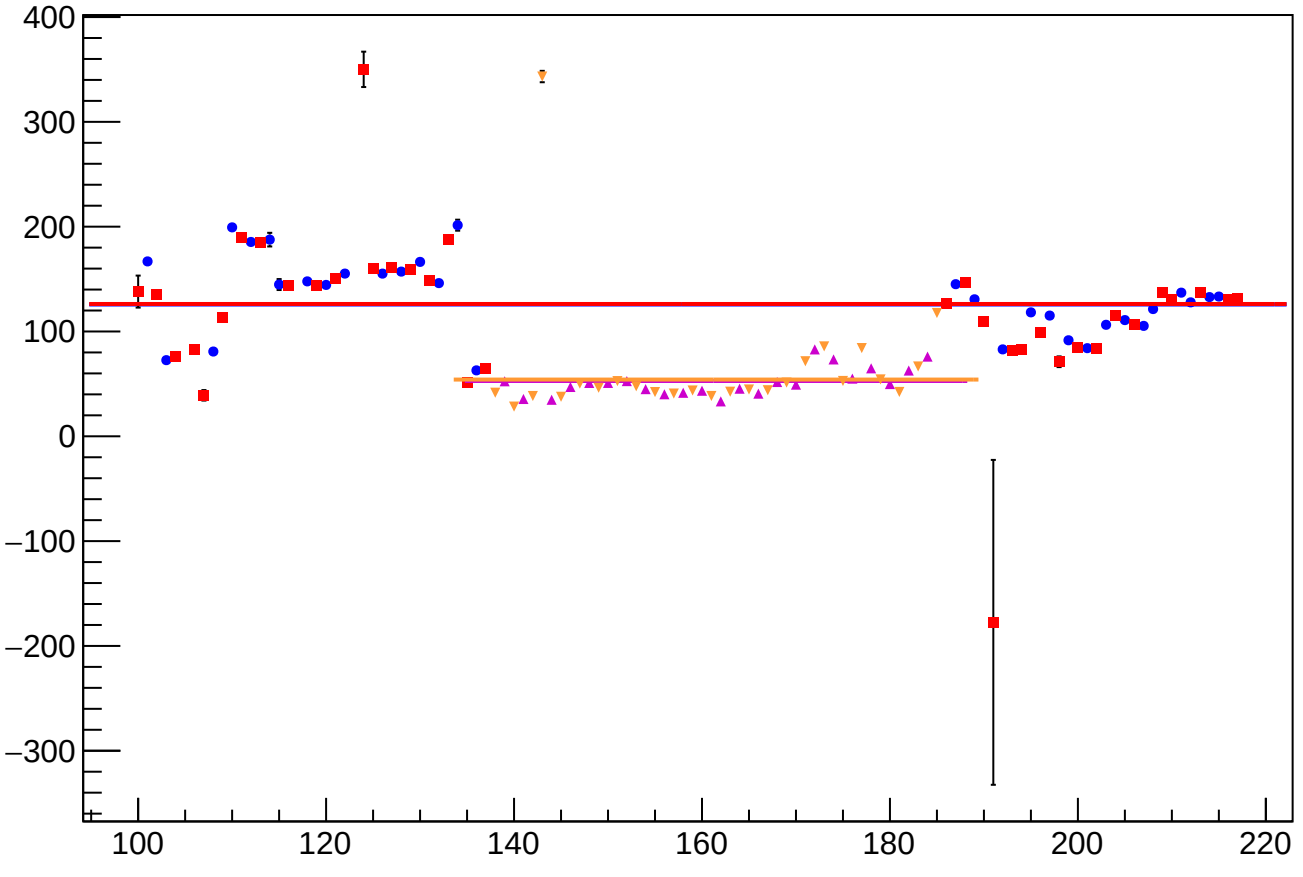
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.495+/-0.435 χ^2/NDF: 1077.1/66

In: -4.599+/-0.278 χ^2/NDF:1330.7/53

Out: -4.098+/-0.269 χ^2/NDF:1575.1/60

All: -4.341+/-0.193 χ^2/NDF: 2907.5/114



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: 126.238+/-0.500 χ^2/NDF: 4459.9/35

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

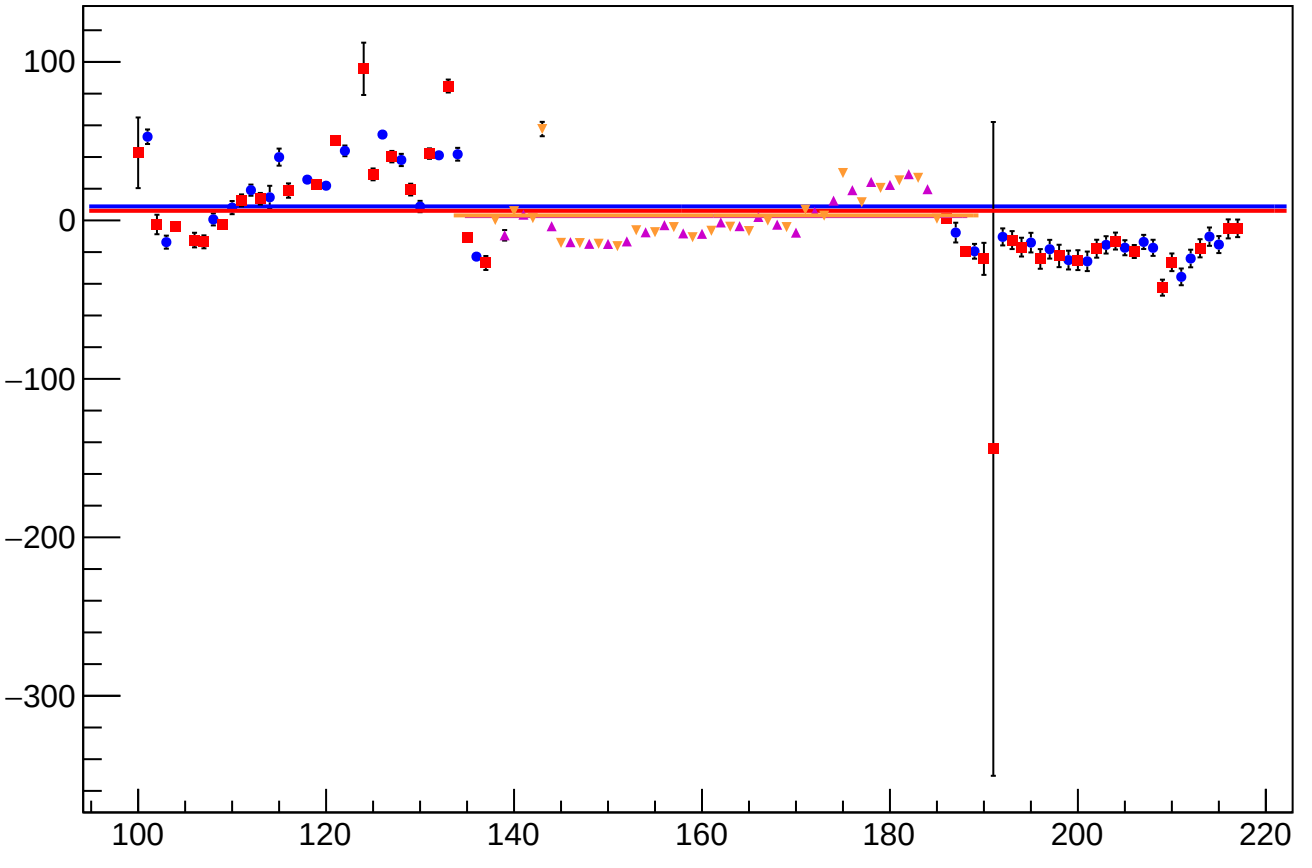
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.022+/-0.372 χ^2/NDF: 8608.7/66

In: 76.979+/-0.321 χ^2/NDF:16572.8/53

Out: 81.194+/-0.306 χ^2/NDF:22068.1/60

All: 79.187+/-0.222 χ^2/NDF: 38731.3/114



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: 6.056+/-0.701 χ^2/NDF: 1475.6/35

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

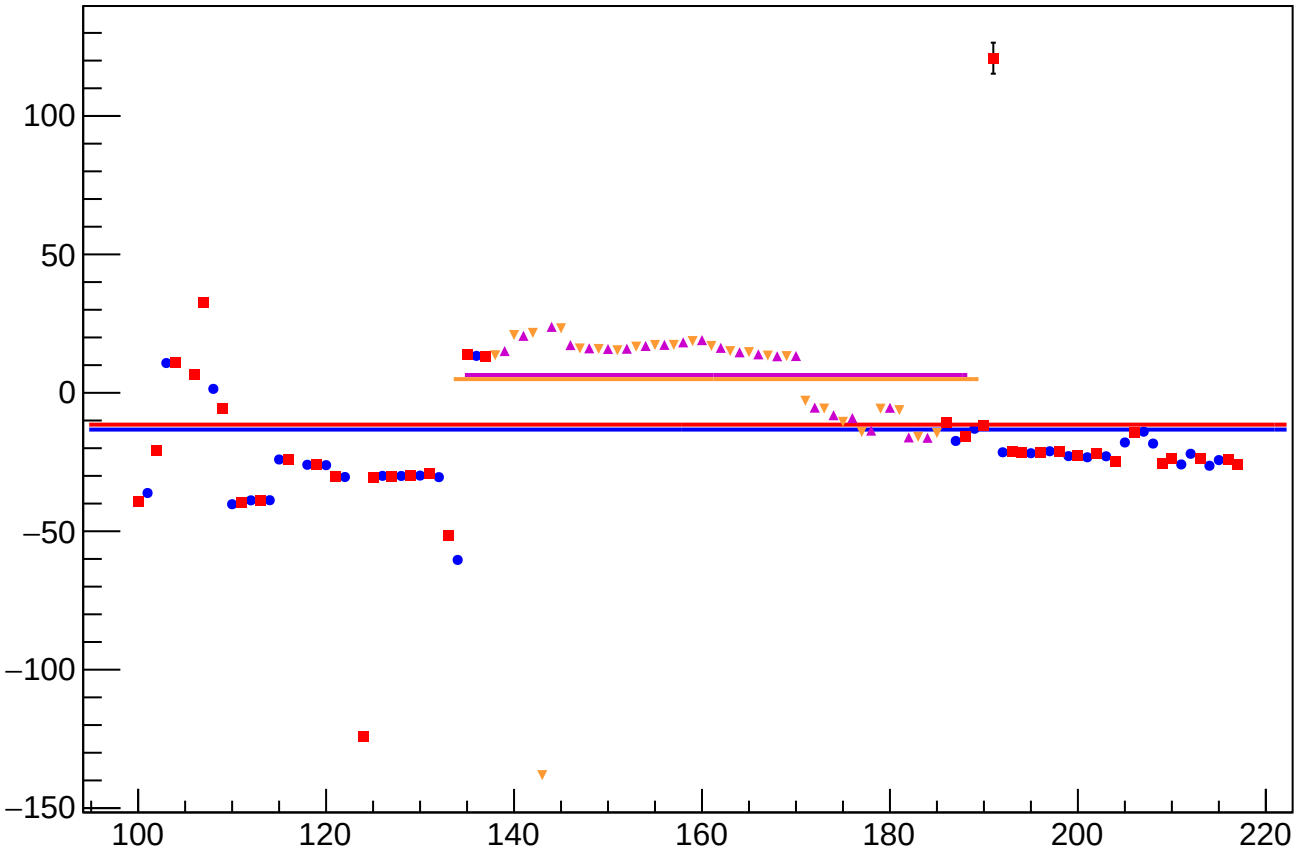
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.384+/-0.506 χ^2/NDF: 2875.6/66

In: 3.842+/-0.313 χ^2/NDF:3184.6/53

Out: 3.708+/-0.306 χ^2/NDF:3501.9/60

All: 3.773+/-0.219 χ^2/NDF: 6686.6/114



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: -11.486+/-0.035 χ^2/NDF: 285881.5/35

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

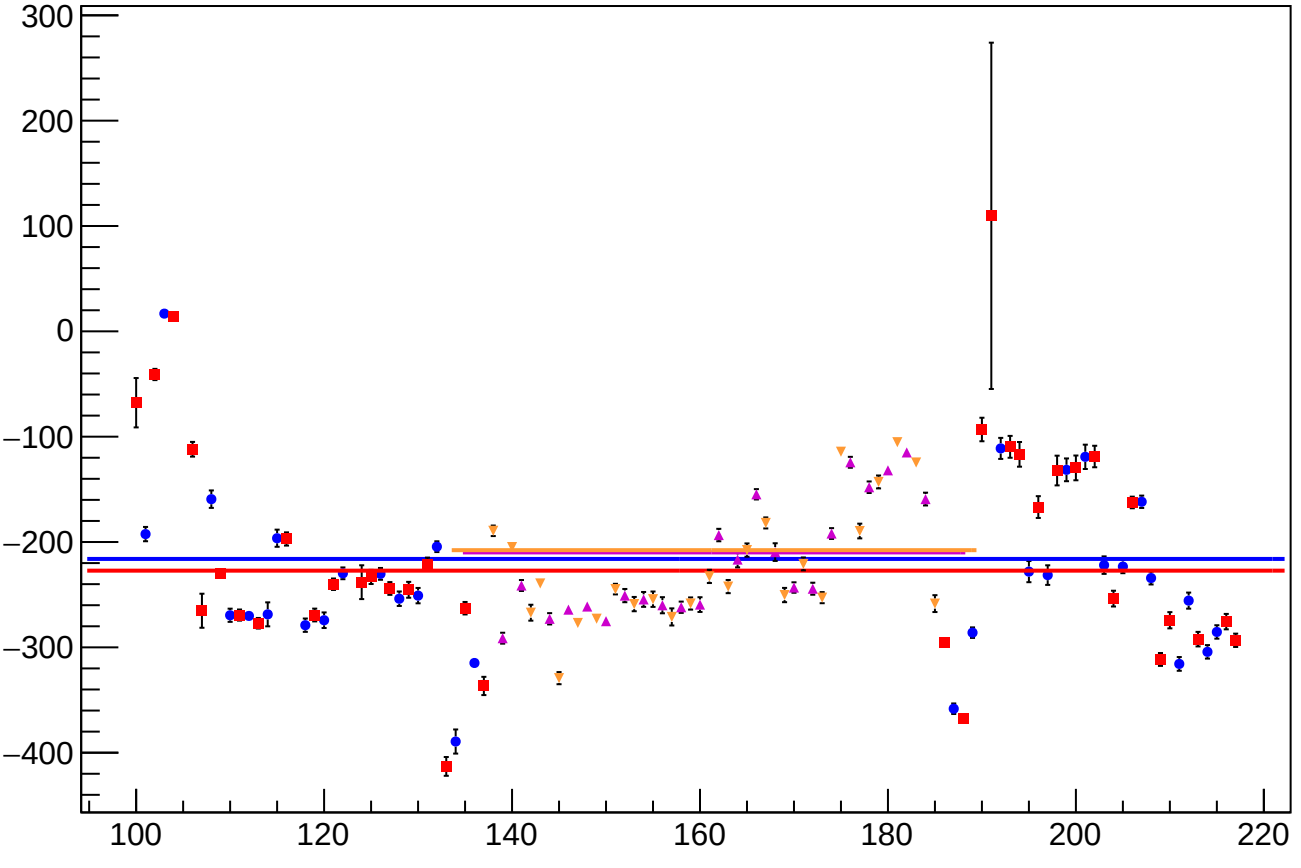
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.375+/-0.025 χ^2/NDF: 591034.6/66

In: 3.247+/-0.014 χ^2/NDF:1301513.2/53

Out: 2.286+/-0.014 χ^2/NDF:1611149.9/60

All: 2.763+/-0.010 χ^2/NDF: 2915028.3/114



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: -227.184+/-1.026 χ^2/NDF: 12824.2/35

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

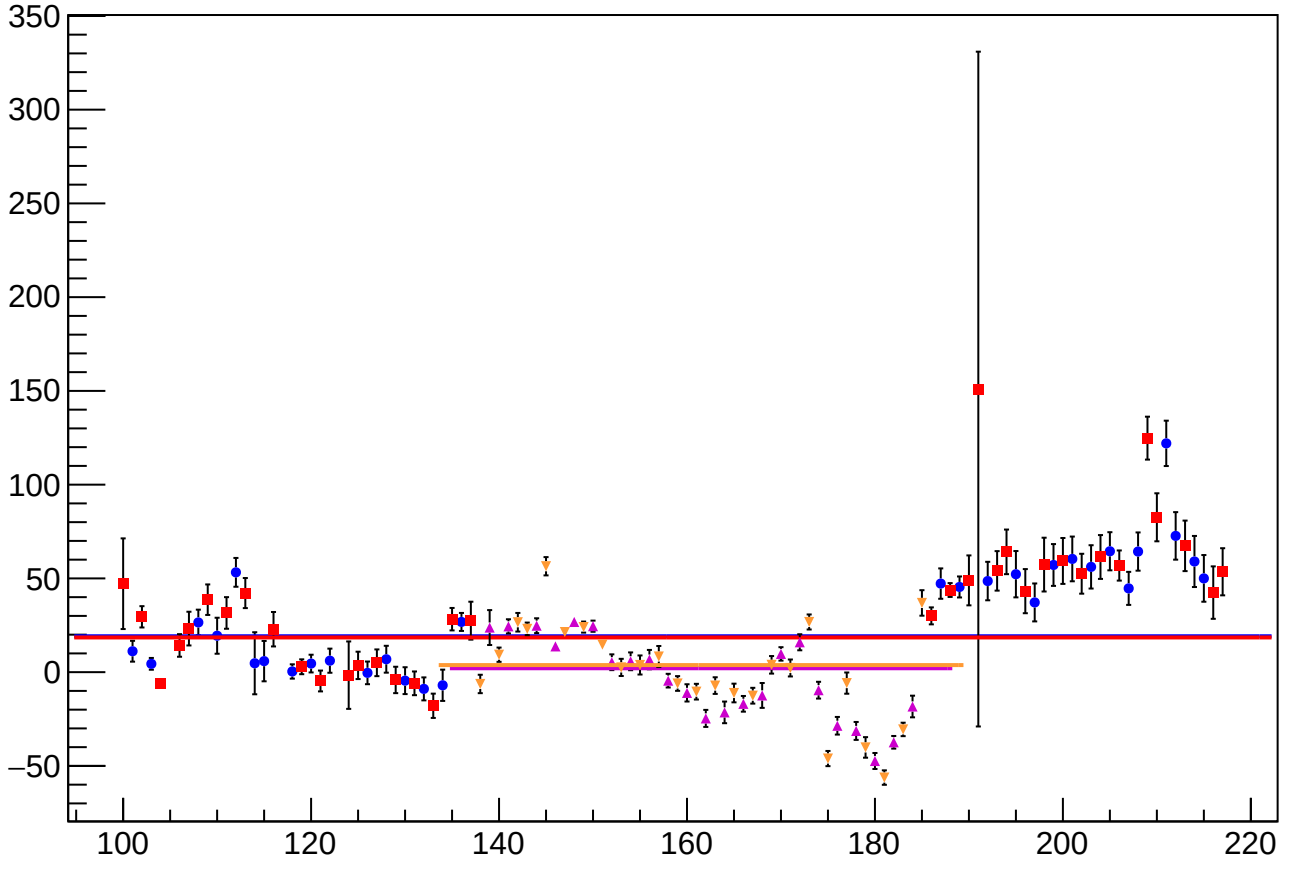
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -222.067+/-0.754 χ^2/NDF: 22326.5/66

In: -212.940+/-0.782 χ^2/NDF:12475.6/53

Out: -217.875+/-0.740 χ^2/NDF:16483.4/60

All: -215.543+/-0.538 χ^2/NDF: 28980.1/114



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: 18.511+/-1.140 χ^2/NDF: 518.9/35

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

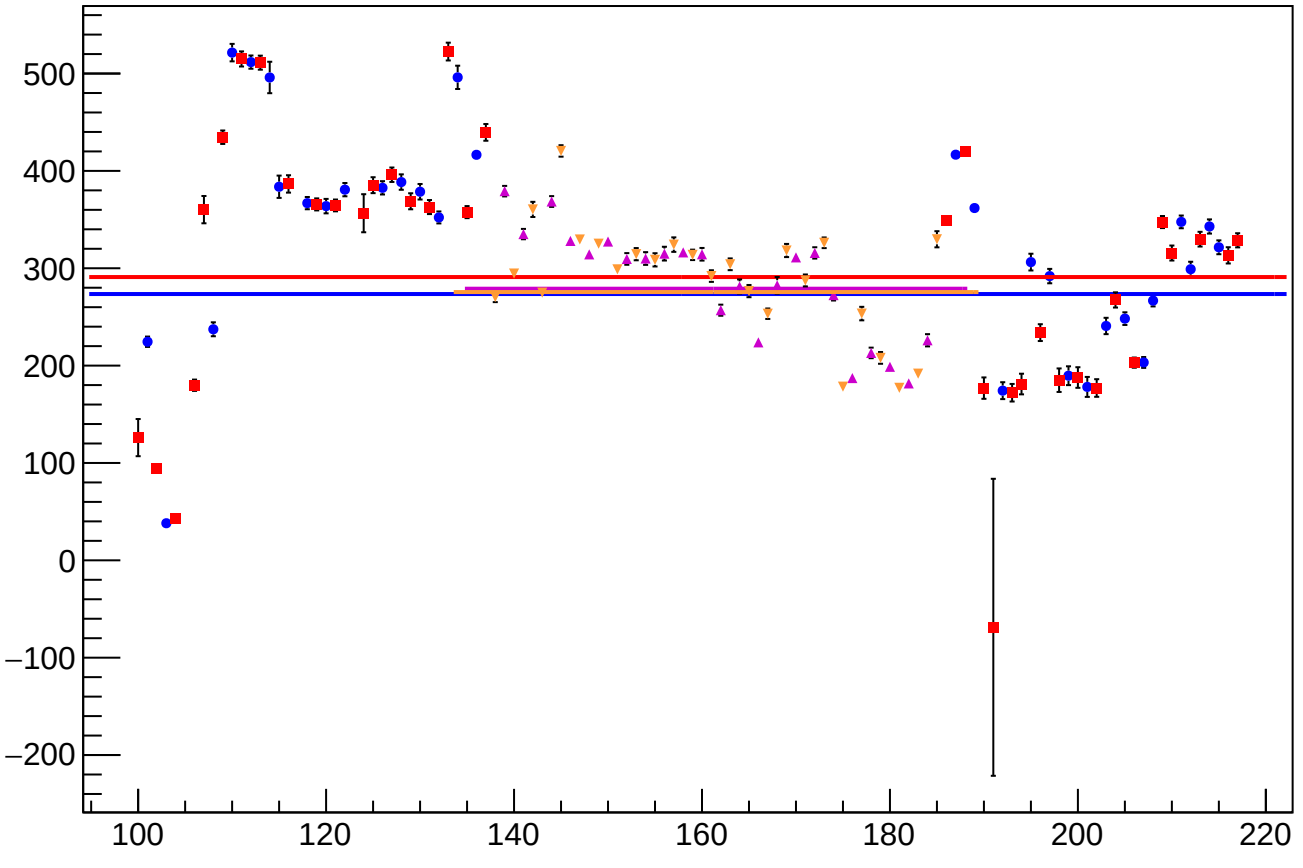
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 18.803+/-0.844 χ^2/NDF: 900.9/66

In: 7.195+/-0.686 χ^2/NDF:1282.0/53

Out: 8.529+/-0.648 χ^2/NDF:1604.2/60

All: 7.900+/-0.471 χ^2/NDF: 2888.2/114



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: 290.965+/-0.974 χ^2/NDF: 22326.2/35

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

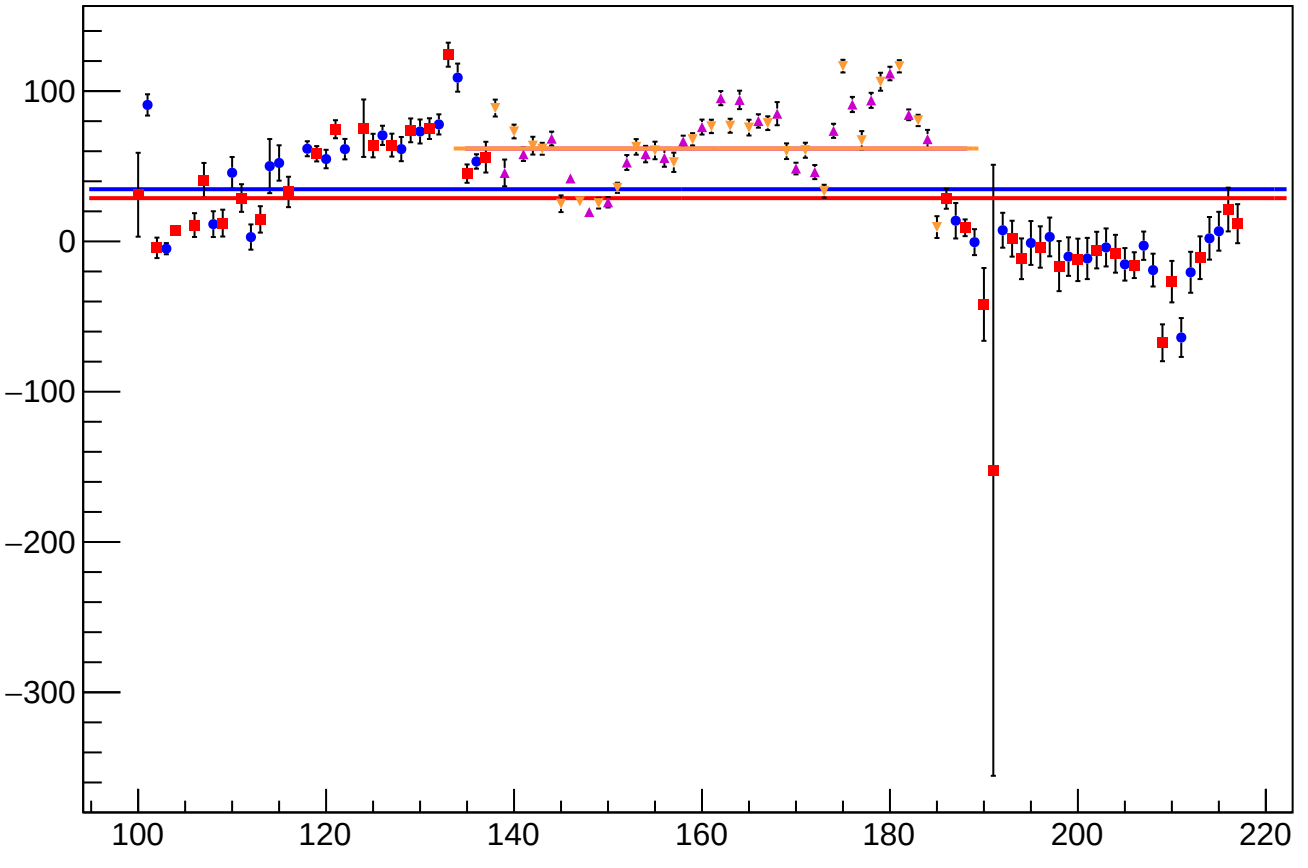
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 283.160+/-0.724 χ^2/NDF: 40518.4/66

In: 276.237+/-0.767 χ^2/NDF:21175.8/53

Out: 283.920+/-0.718 χ^2/NDF:25764.1/60

All: 280.336+/-0.524 χ^2/NDF: 46993.4/114



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: 28.777+/-1.374 χ^2/NDF: 646.7/35

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

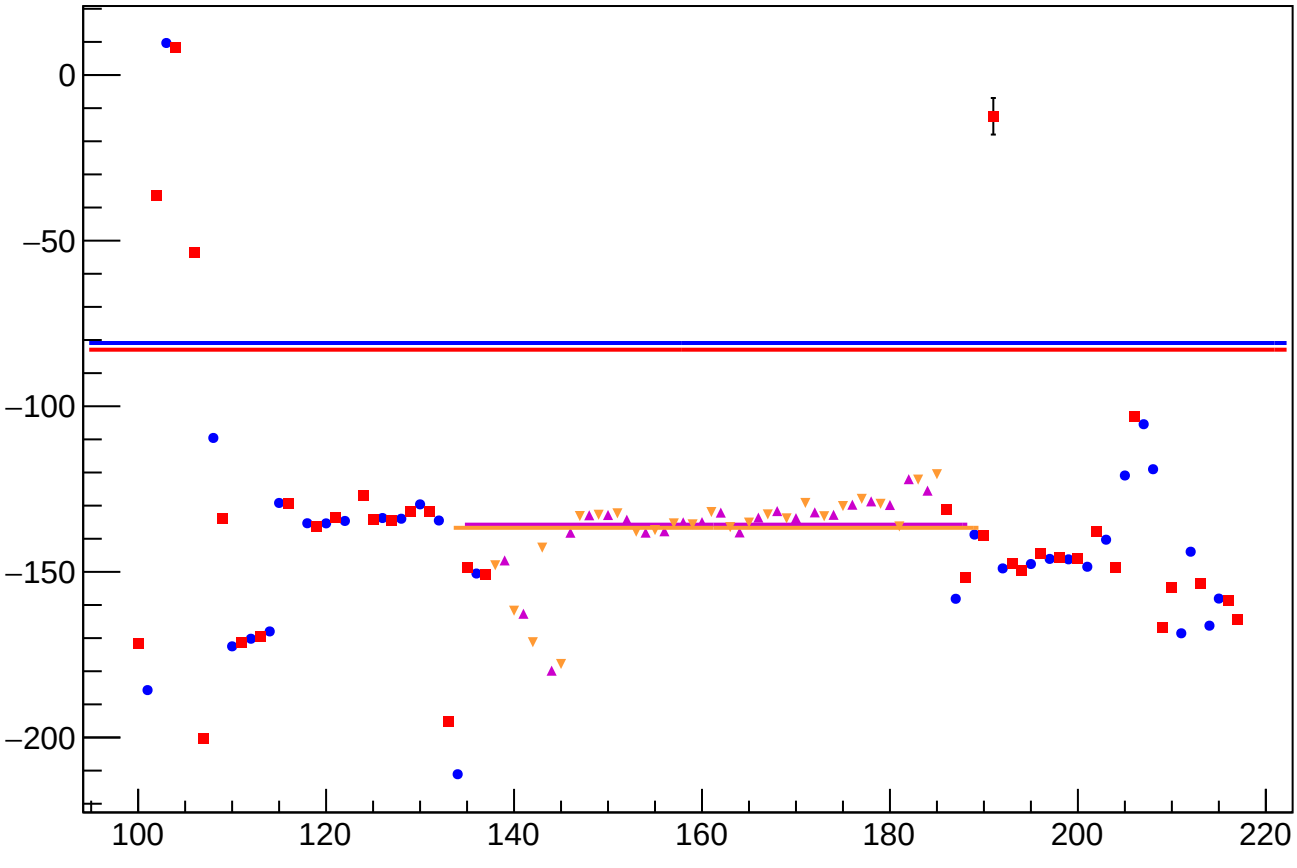
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.562+/-1.002 χ^2/NDF: 1312.7/66

In: 53.888+/-0.790 χ^2/NDF:1634.9/53

Out: 51.781+/-0.757 χ^2/NDF:2008.9/60

All: 52.790+/-0.547 χ^2/NDF: 3647.4/114



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: -82.925+/-0.062 χ^2/NDF: 1282615.0/35

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

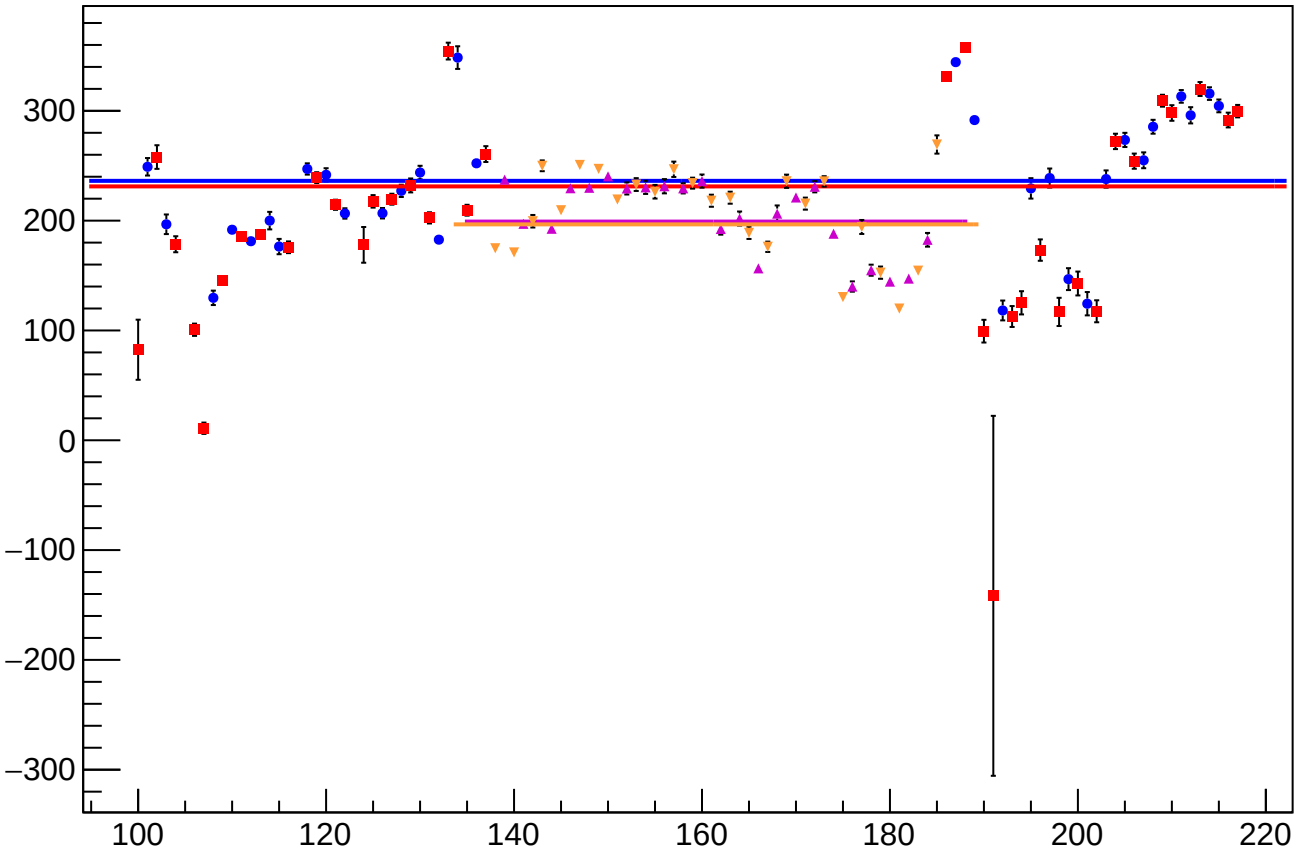
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -81.911+/-0.044 χ^2/NDF: 2866239.4/66

In: -118.023+/-0.035 χ^2/NDF:2177265.1/53

Out: -119.687+/-0.035 χ^2/NDF:1873993.5/60

All: -118.862+/-0.025 χ^2/NDF: 4052385.0/11



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: 231.184+/-0.921 χ^2/NDF: 8972.0/35

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

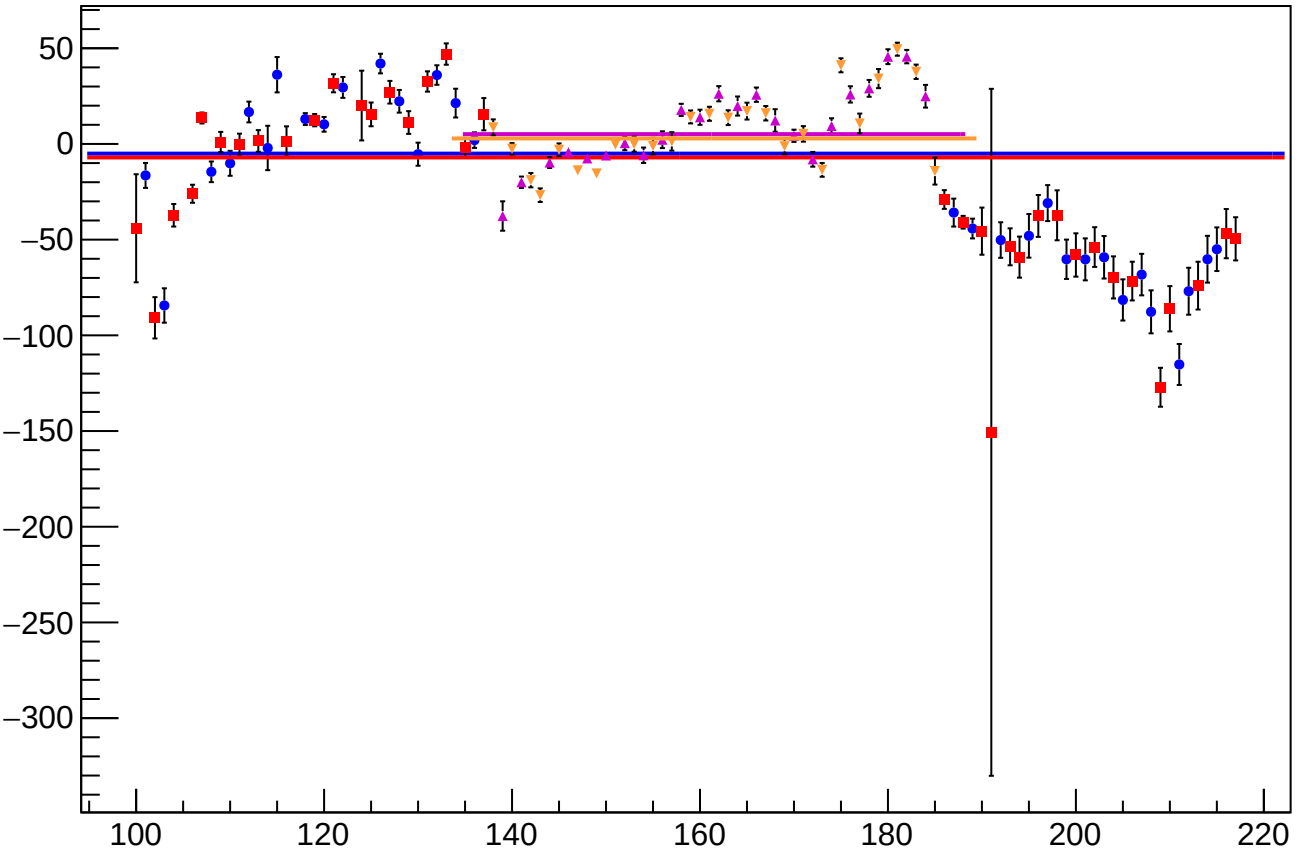
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 233.432+/-0.687 χ^2/NDF: 11899.2/66

In: 216.624+/-0.708 χ^2/NDF:4893.2/53

Out: 214.360+/-0.660 χ^2/NDF:11732.4/60

All: 215.414+/-0.483 χ^2/NDF: 16631.1/114



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: -7.054+/-1.047 χ^2/NDF: 1029.0/35

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

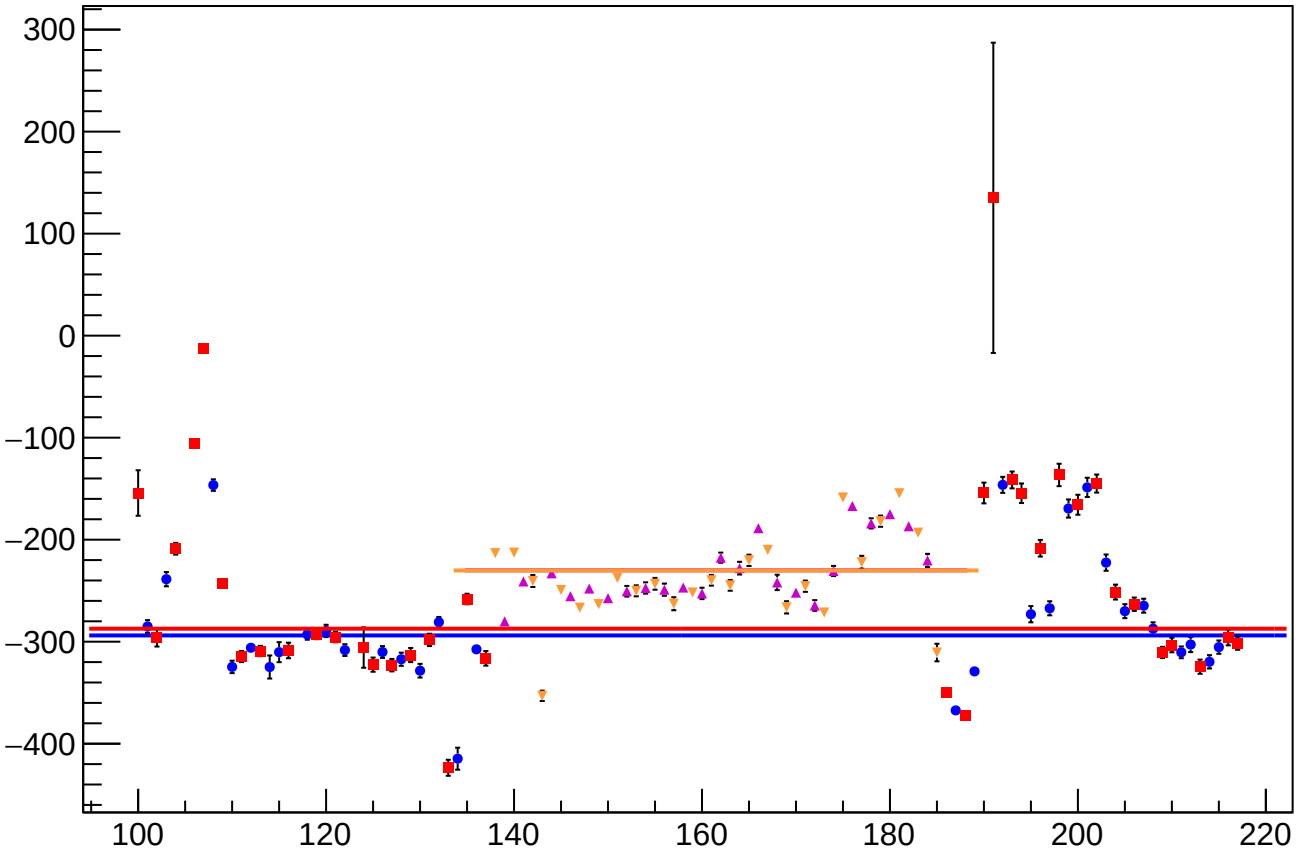
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -6.165+/-0.780 χ^2/NDF: 1944.3/66

In: 2.340+/-0.612 χ^2/NDF:1597.3/53

Out: -0.153+/-0.578 χ^2/NDF:1844.2/60

All: 1.023+/-0.420 χ^2/NDF: 3450.3/114



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: -287.255+/-0.935 χ^2/NDF: 9981.1/35

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

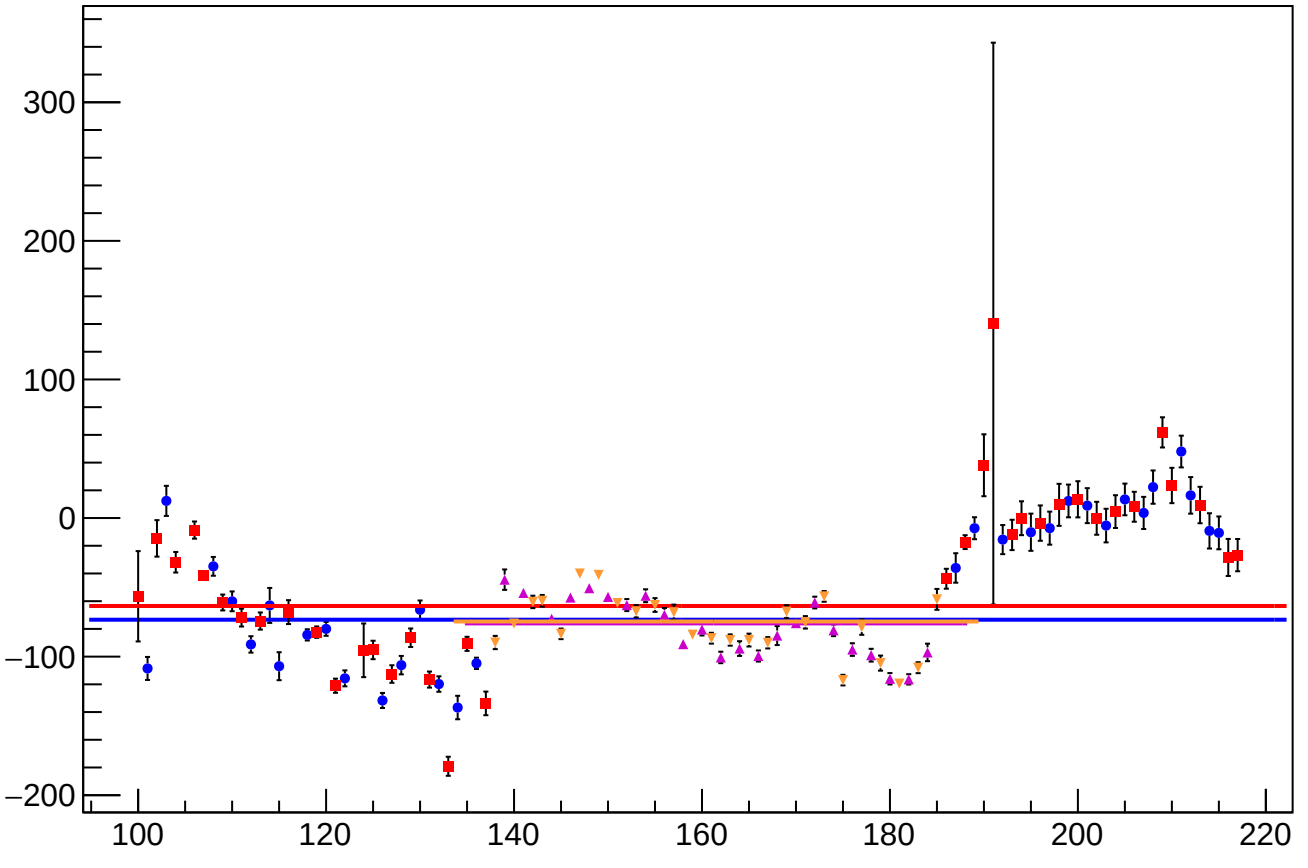
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -290.095+/-0.706 χ^2/NDF: 12413.1/66

In: -258.331+/-0.717 χ^2/NDF:5459.1/53

Out: -258.831+/-0.663 χ^2/NDF:14017.5/60

All: -258.601+/-0.487 χ^2/NDF: 19476.8/114



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: -63.462+/-1.248 χ^2/NDF: 1434.7/35

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

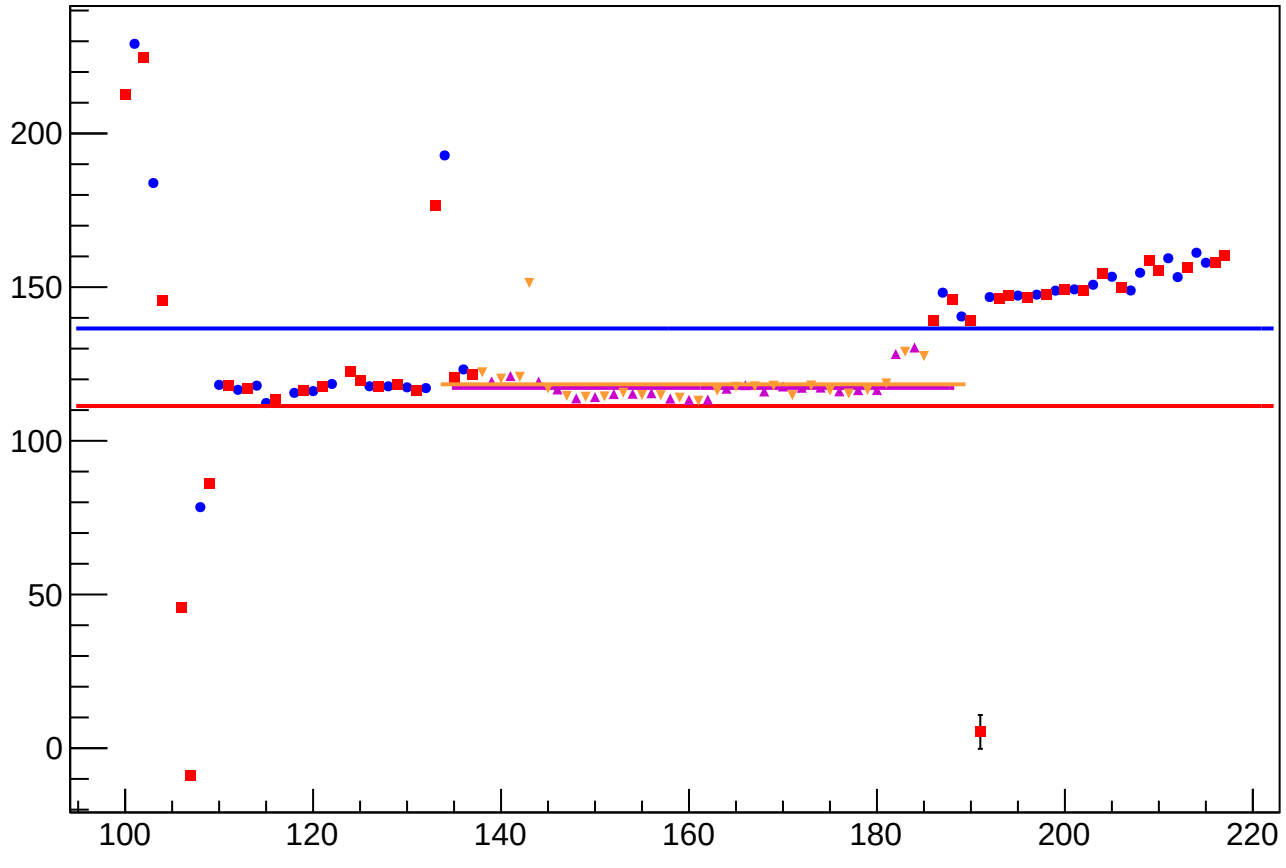
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -67.986+/-0.920 χ^2/NDF: 2656.7/66

In: -75.311+/-0.705 χ^2/NDF:1842.0/53

Out: -71.383+/-0.674 χ^2/NDF:2322.6/60

All: -73.259+/-0.487 χ^2/NDF: 4180.8/114



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: 111.323+/-0.064 χ^2/NDF: 790577.4/35

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

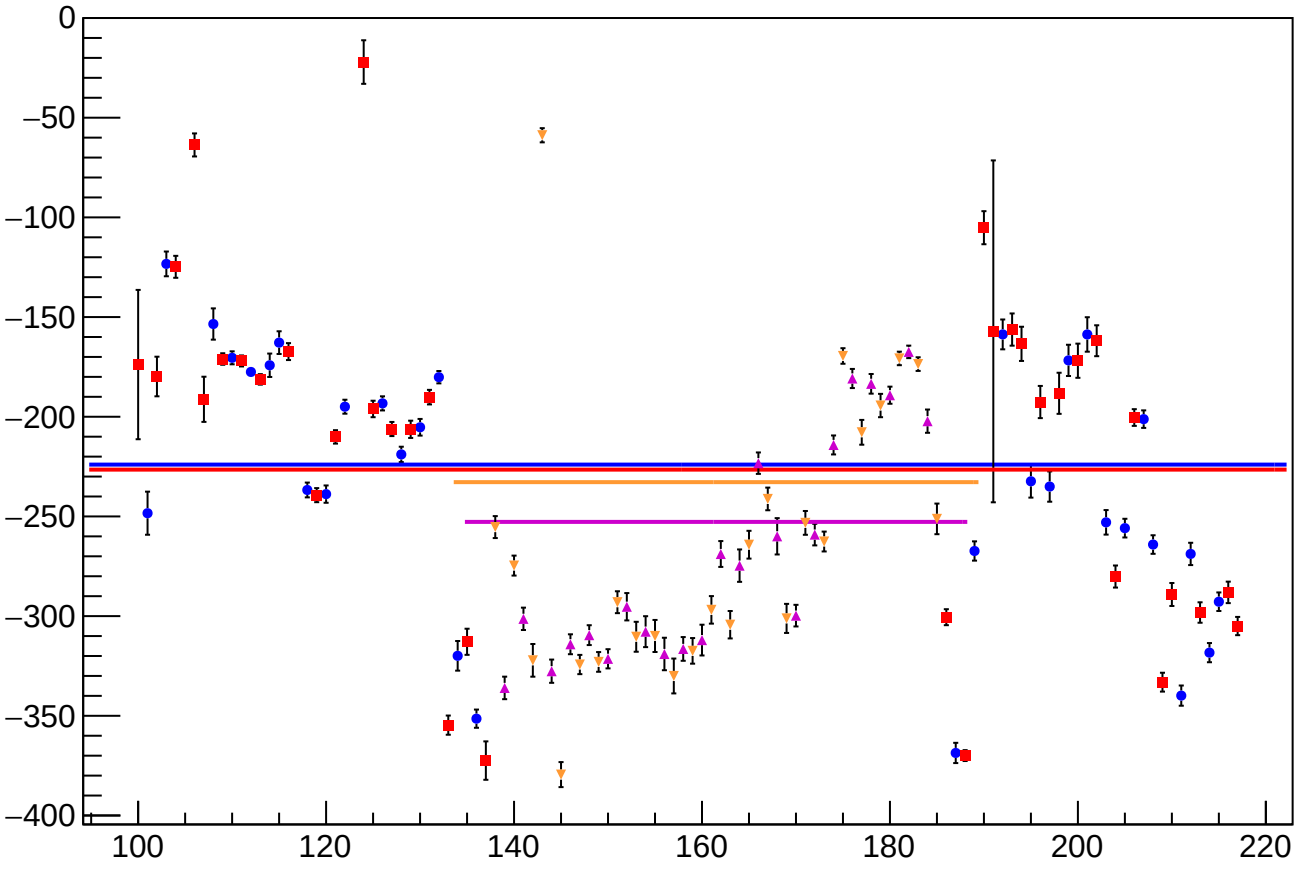
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 122.701+/-0.047 χ^2/NDF: 1066781.0/66

In: 121.509+/-0.033 χ^2/NDF:274605.7/53

Out: 116.588+/-0.032 χ^2/NDF:834628.6/60

All: 118.975+/-0.023 χ^2/NDF: 1120563.5/114



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: -226.520+/-0.783 χ^2/NDF: 9086.4/35

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

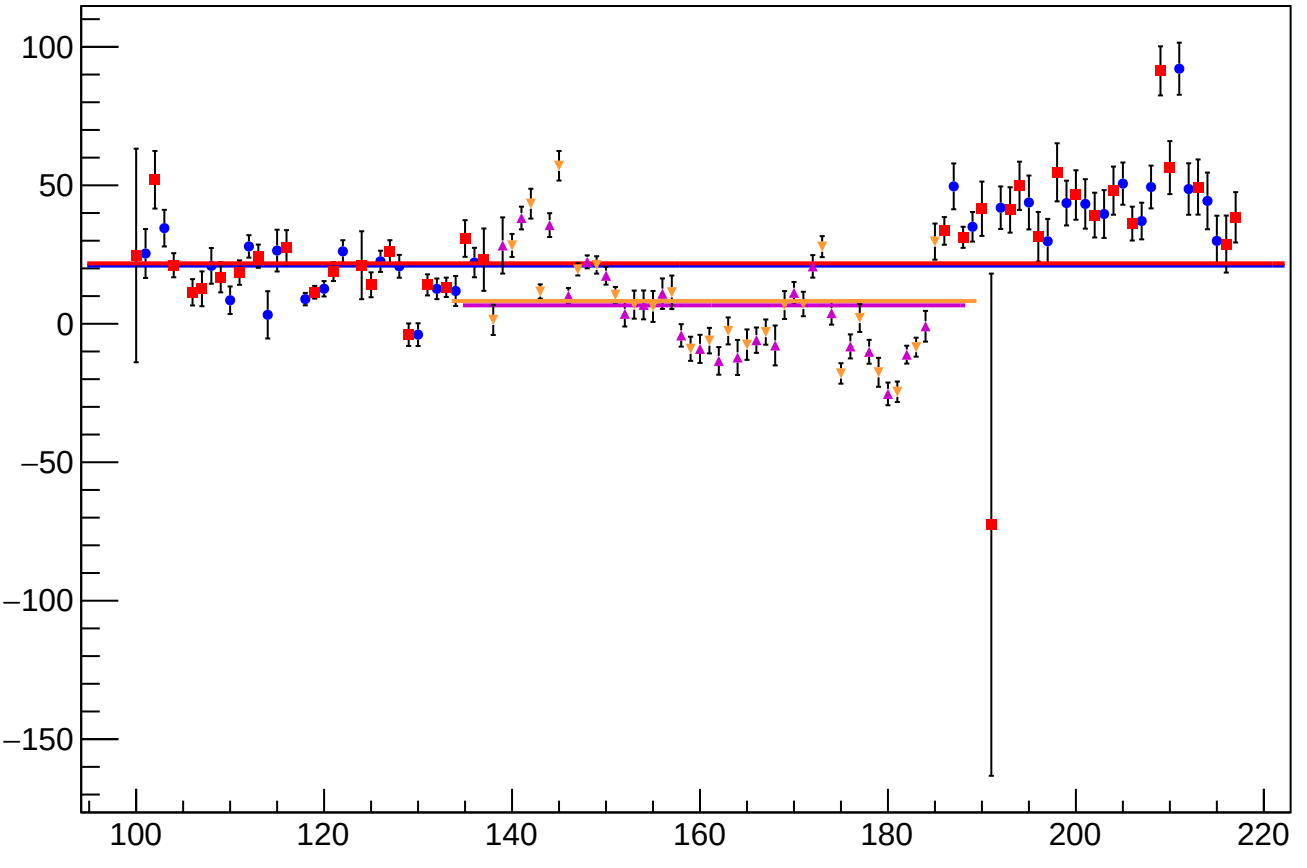
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -225.338+/-0.570 χ^2/NDF: 14022.9/66

In: -234.094+/-0.670 χ^2/NDF:8264.6/53

Out: -228.703+/-0.632 χ^2/NDF:14872.7/60

All: -231.241+/-0.460 χ^2/NDF: 23171.6/114



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: 21.834+/-0.904 χ^2/NDF: 252.4/35

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

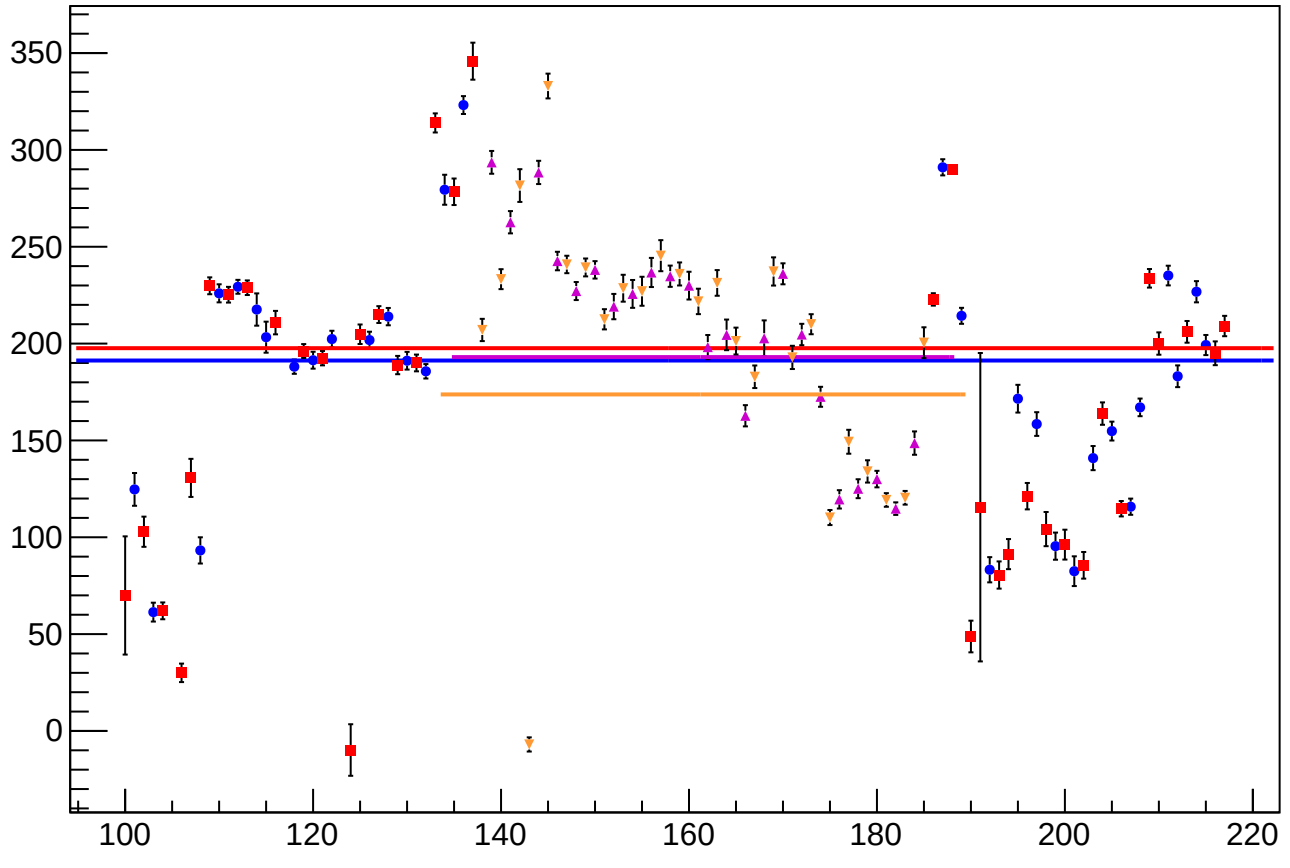
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 21.437+/-0.650 χ^2/NDF: 514.4/66

In: 13.229+/-0.632 χ^2/NDF:744.5/53

Out: 14.221+/-0.600 χ^2/NDF:837.0/60

All: 13.750+/-0.435 χ^2/NDF: 1582.8/114



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: 197.632+/-0.832 χ^2/NDF: 7617.0/35

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

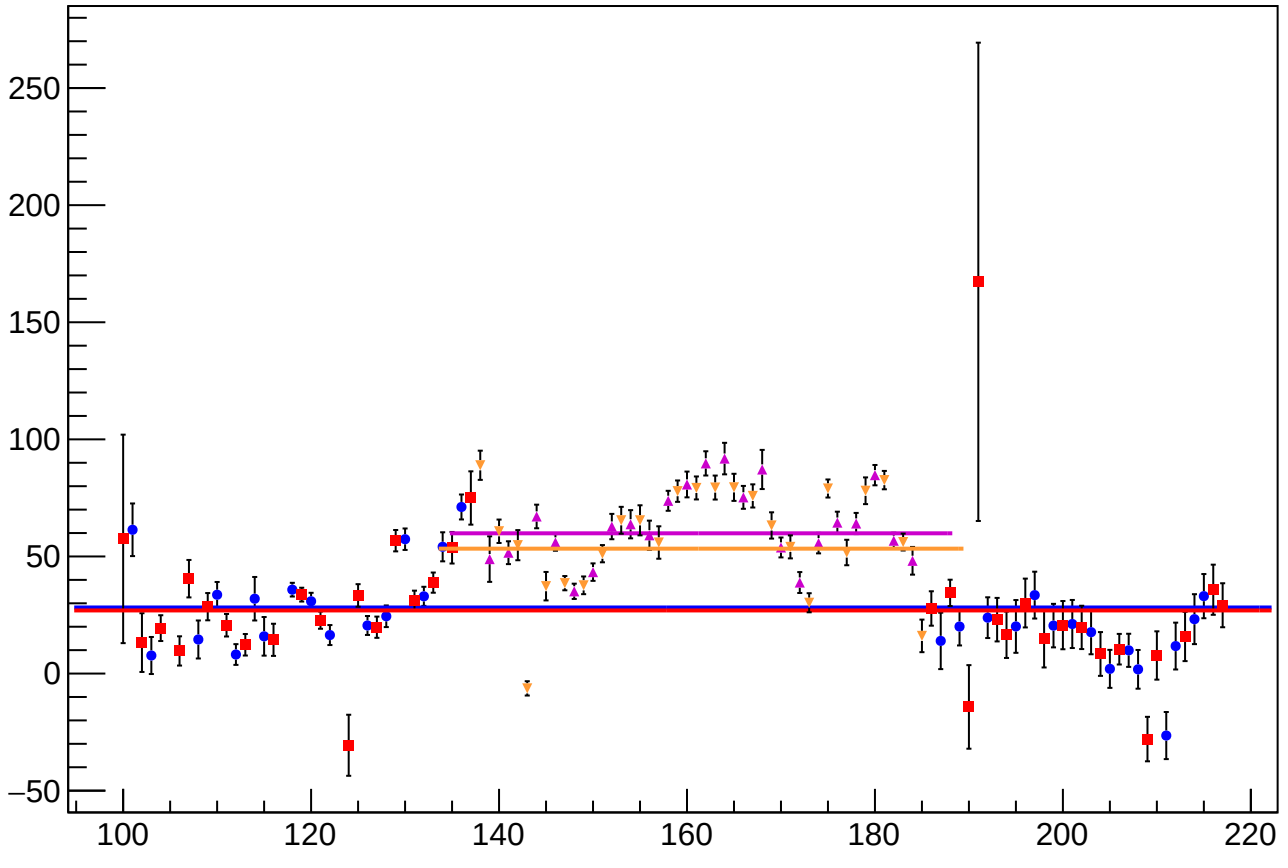
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.692+/-0.611 χ^2/NDF: 11694.3/66

In: 191.950+/-0.702 χ^2/NDF:6563.7/53

Out: 188.618+/-0.657 χ^2/NDF:13188.6/60

All: 190.173+/-0.479 χ^2/NDF: 19764.4/114



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: 26.953+/-1.057 χ^2/NDF: 206.1/35

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

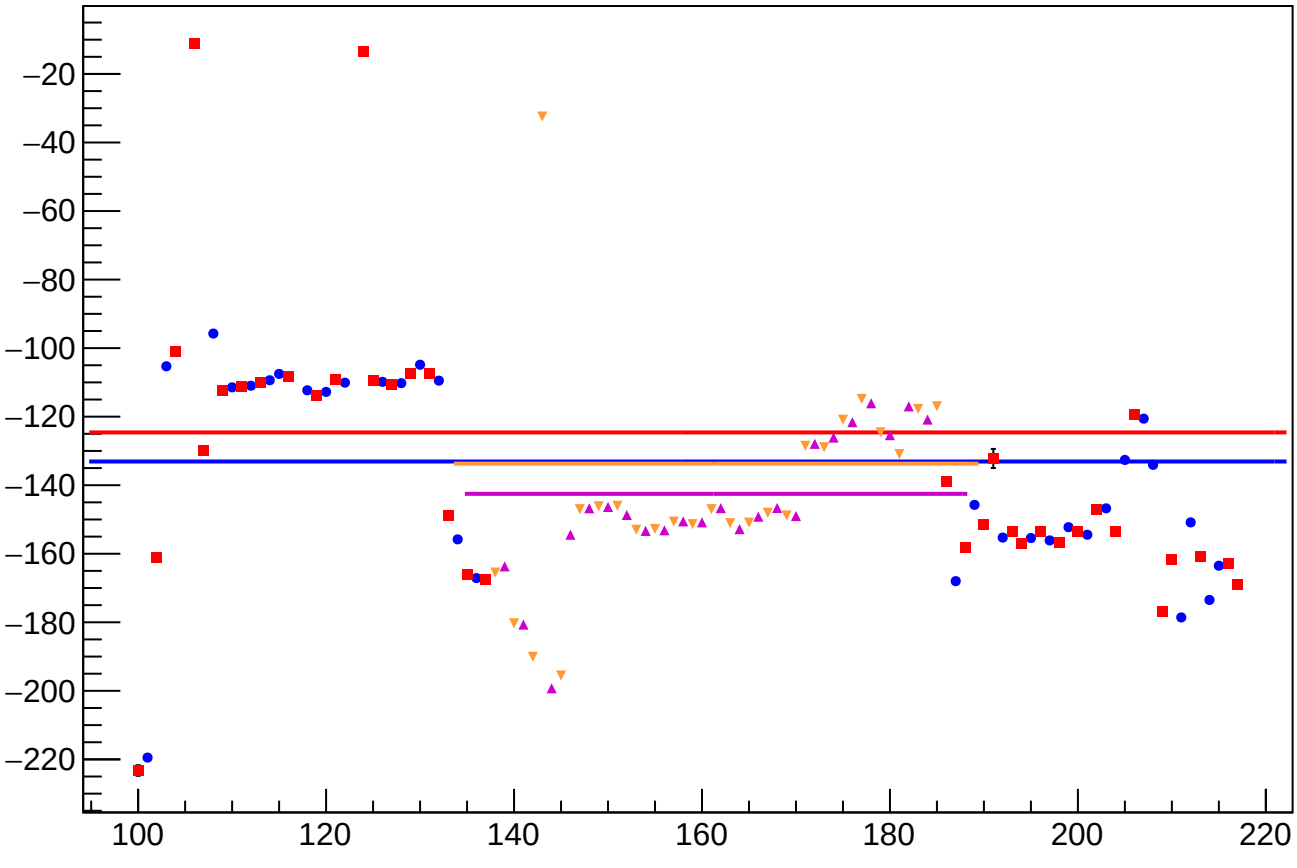
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.567+/-0.757 χ^2/NDF: 458.3/66

In: 45.693+/-0.726 χ^2/NDF:973.9/53

Out: 41.938+/-0.695 χ^2/NDF:1338.8/60

All: 43.734+/-0.502 χ^2/NDF: 2326.6/114



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: -124.595+/-0.057 χ^2/NDF: 533116.5/35

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

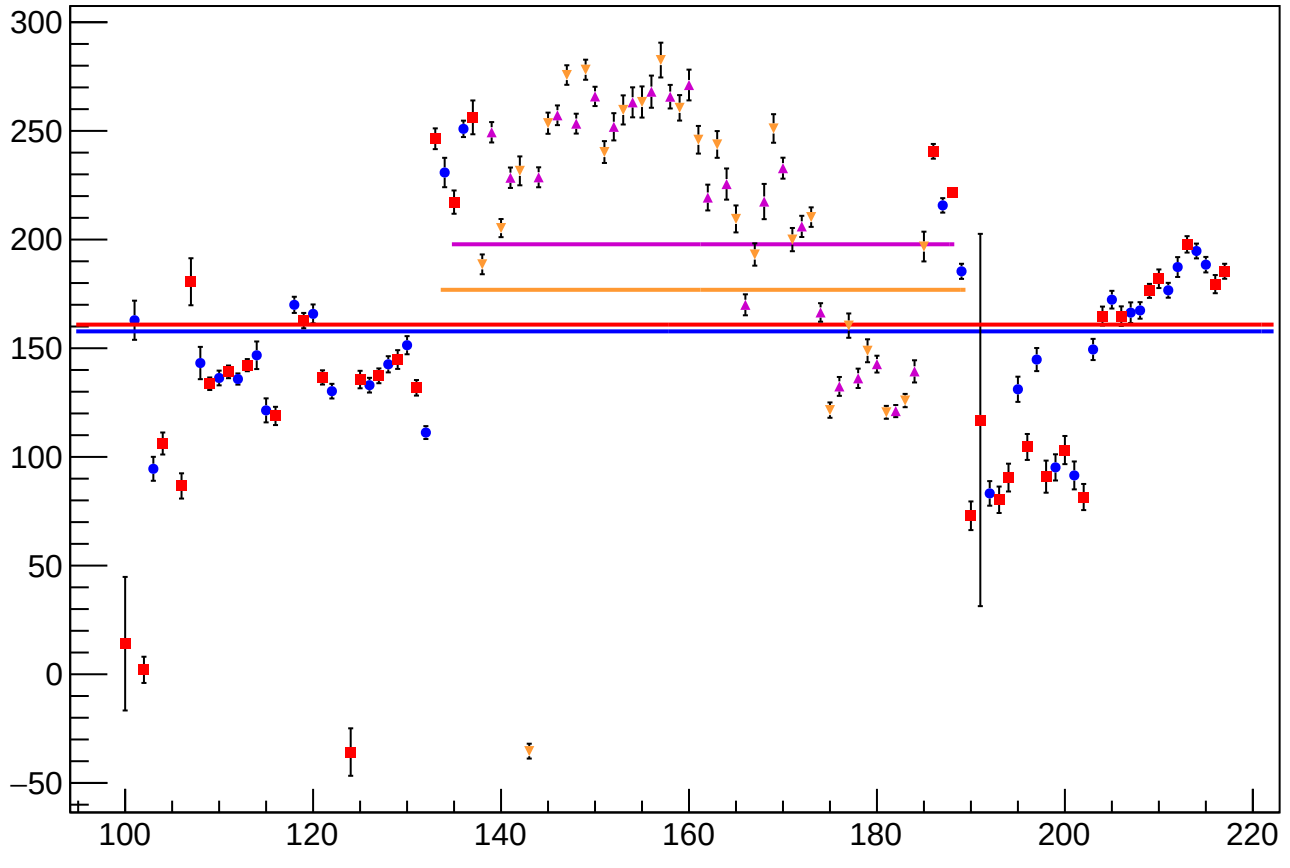
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -128.659+/-0.041 χ^2/NDF: 738977.7/66

In: -139.140+/-0.036 χ^2/NDF:389885.5/53

Out: -130.421+/-0.034 χ^2/NDF:1225377.4/60

All: -134.613+/-0.025 χ^2/NDF: 1646431.7/11



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: 160.876+/-0.686 χ^2/NDF: 5256.0/35

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

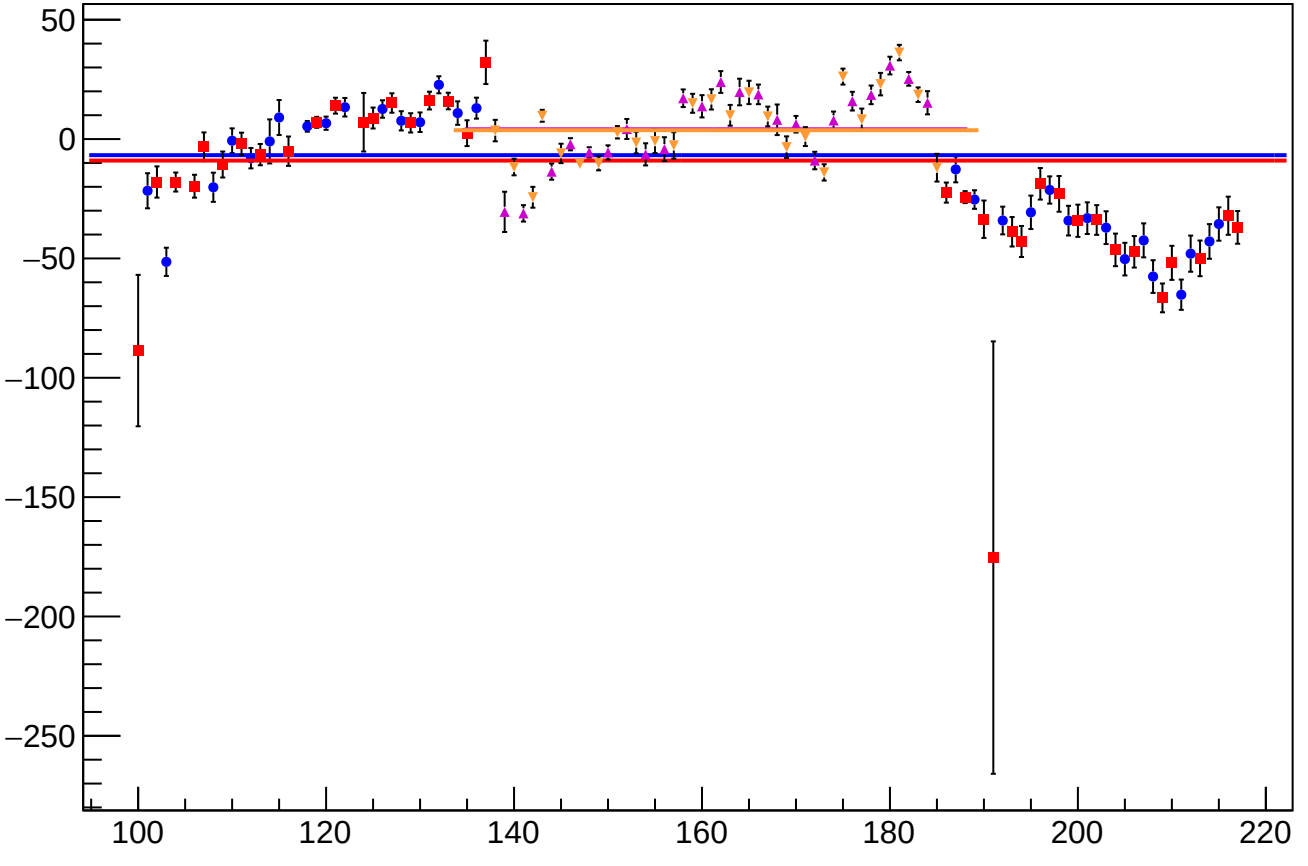
Right: 159.435+/-0.503 χ^2/NDF: 7754.7/66

In: 171.816+/-0.596 χ^2/NDF:6486.7/53

Out: 166.308+/-0.558 χ^2/NDF:12865.4/60

All: 168.880+/-0.407 χ^2/NDF: 19397.7/114

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -8.999+/-0.818 χ^2/NDF: 702.0/35

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

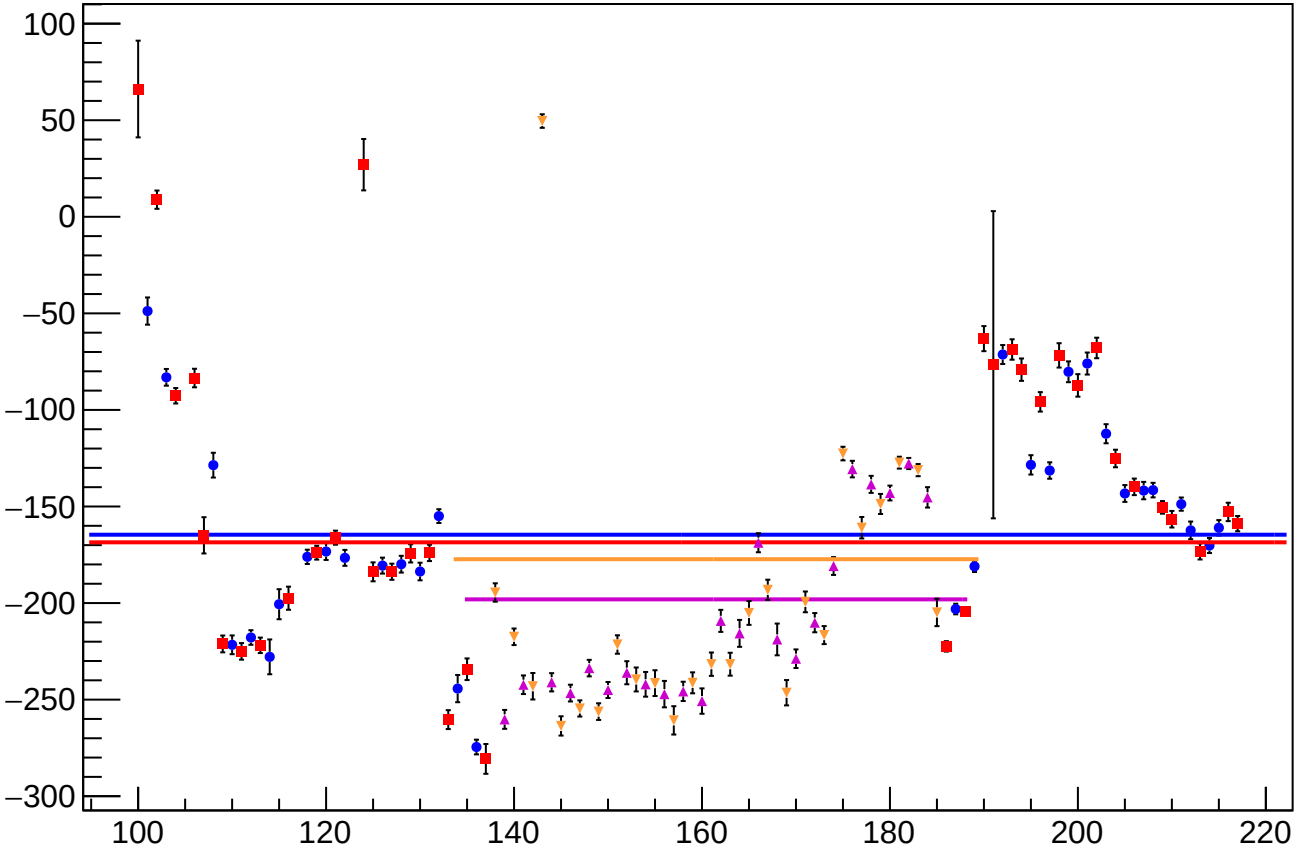
Right: -7.925+/-0.593 χ^2/NDF: 1407.2/66

In: -0.719+/-0.573 χ^2/NDF:1189.0/53

Out: -1.867+/-0.542 χ^2/NDF:1238.3/60

All: -1.325+/-0.394 χ^2/NDF: 2429.4/114

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -164.608+/-0.772 χ^2/NDF: 3508.6/30

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -168.554+/-0.695 χ^2/NDF: 6711.3/35

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

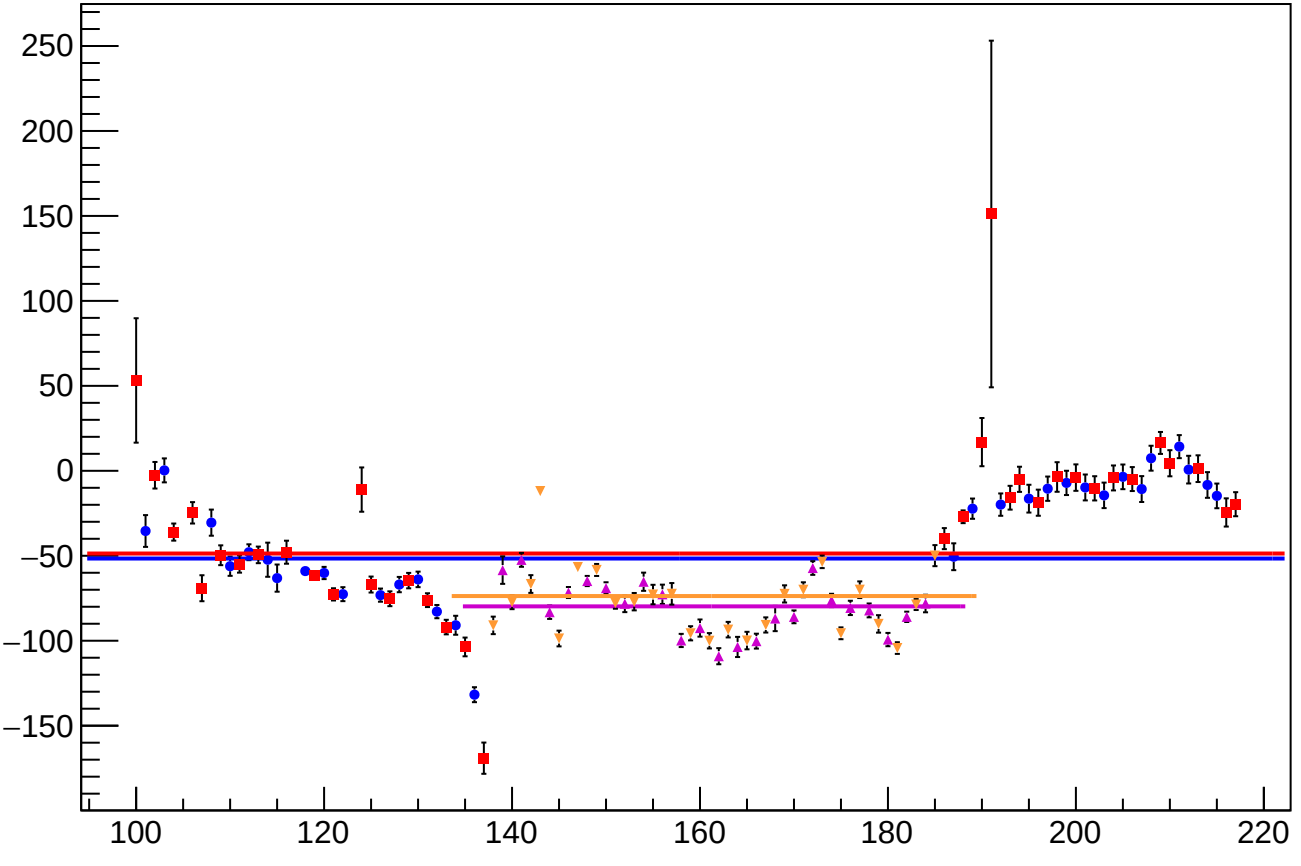
Right: -166.786+/-0.517 χ^2/NDF: 10234.3/66

In: -177.102+/-0.611 χ^2/NDF:6597.3/53

Out: -171.573+/-0.562 χ^2/NDF:13805.8/60

All: -174.109+/-0.414 χ^2/NDF: 20447.5/114

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: -48.677+/-0.966 χ^2/NDF: 1138.5/35

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

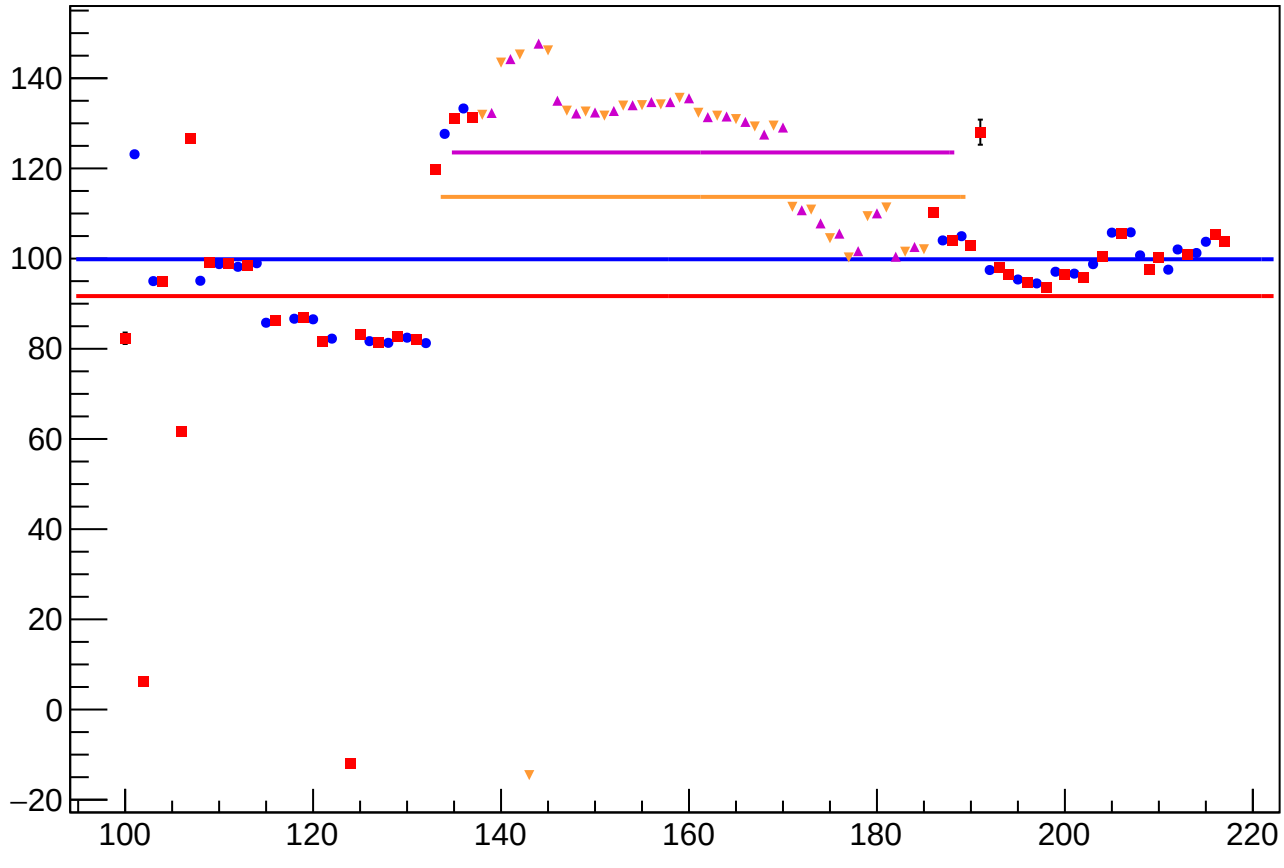
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -50.103+/-0.694 χ^2/NDF: 2267.7/66

In: -67.577+/-0.658 χ^2/NDF:1851.3/53

Out: -63.091+/-0.629 χ^2/NDF:2364.9/60

All: -65.233+/-0.455 χ^2/NDF: 4240.5/114



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: 91.687+/-0.049 χ^2/NDF: 291172.8/35

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

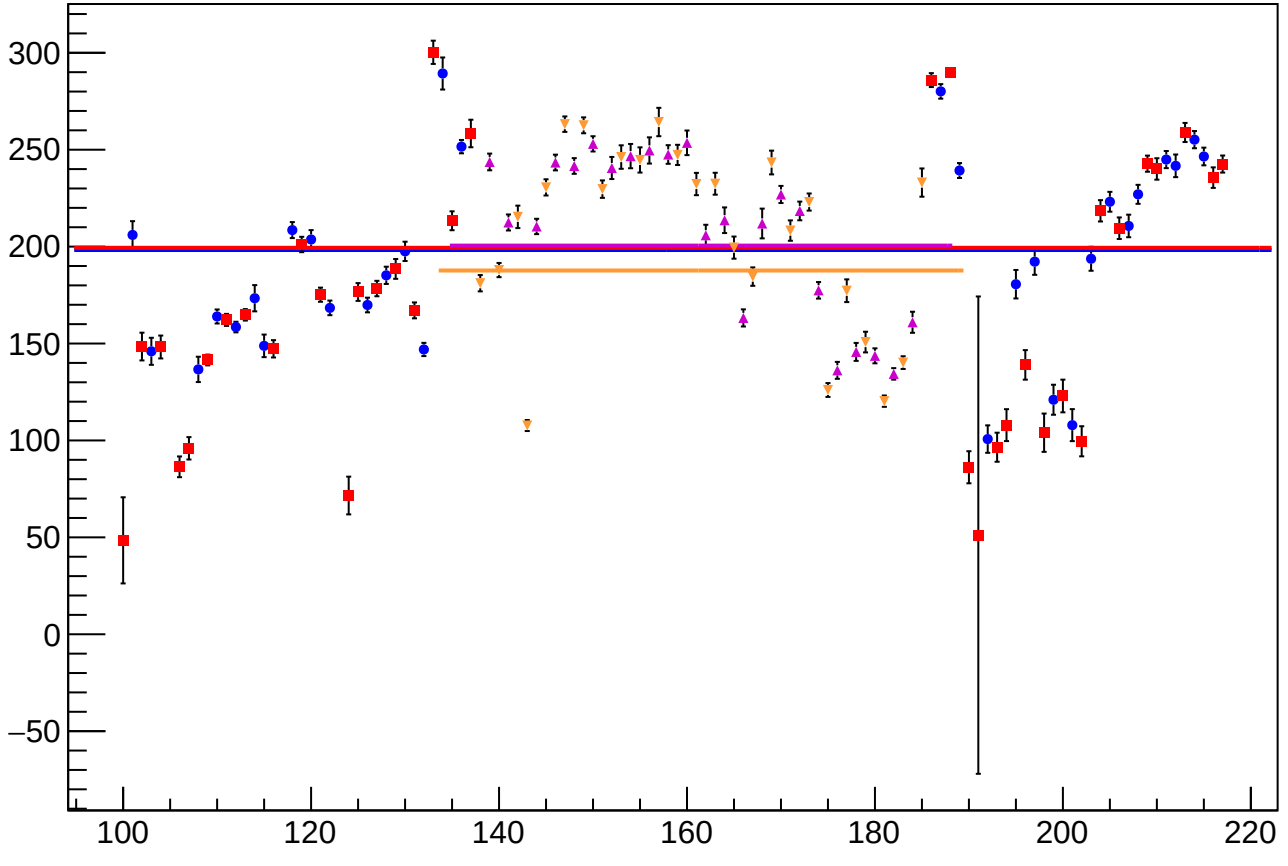
Right: 95.539+/-0.035 χ^2/NDF: 374706.2/66

In: 114.734+/-0.031 χ^2/NDF:337717.0/53

Out: 105.256+/-0.030 χ^2/NDF:1380381.6/60

All: 109.799+/-0.022 χ^2/NDF: 1765537.5/114

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: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

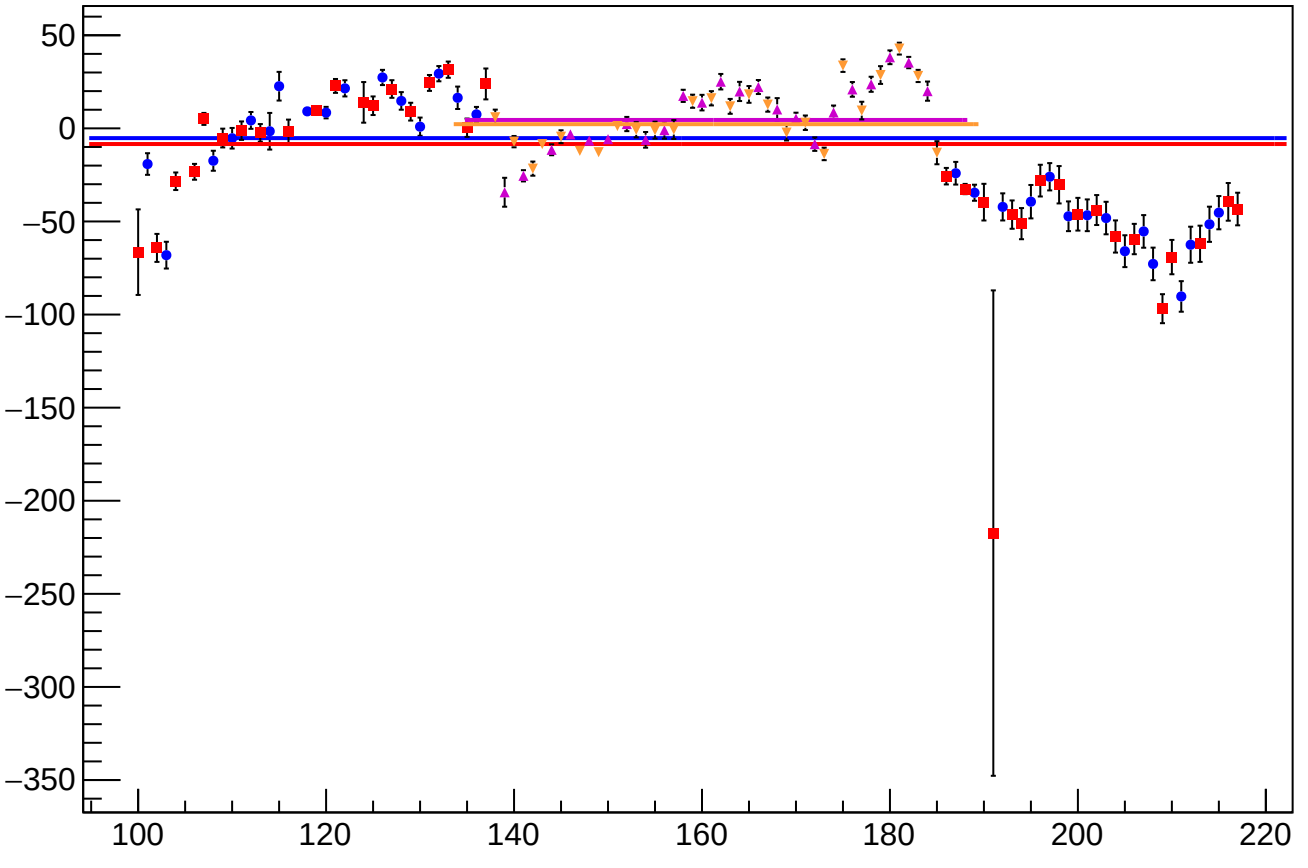
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 198.874+/-0.571 χ^2/NDF: 9289.6/66

In: 199.254+/-0.635 χ^2/NDF:4881.1/53

Out: 194.416+/-0.585 χ^2/NDF:10148.2/60

All: 196.638+/-0.430 χ^2/NDF: 15060.8/114



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: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

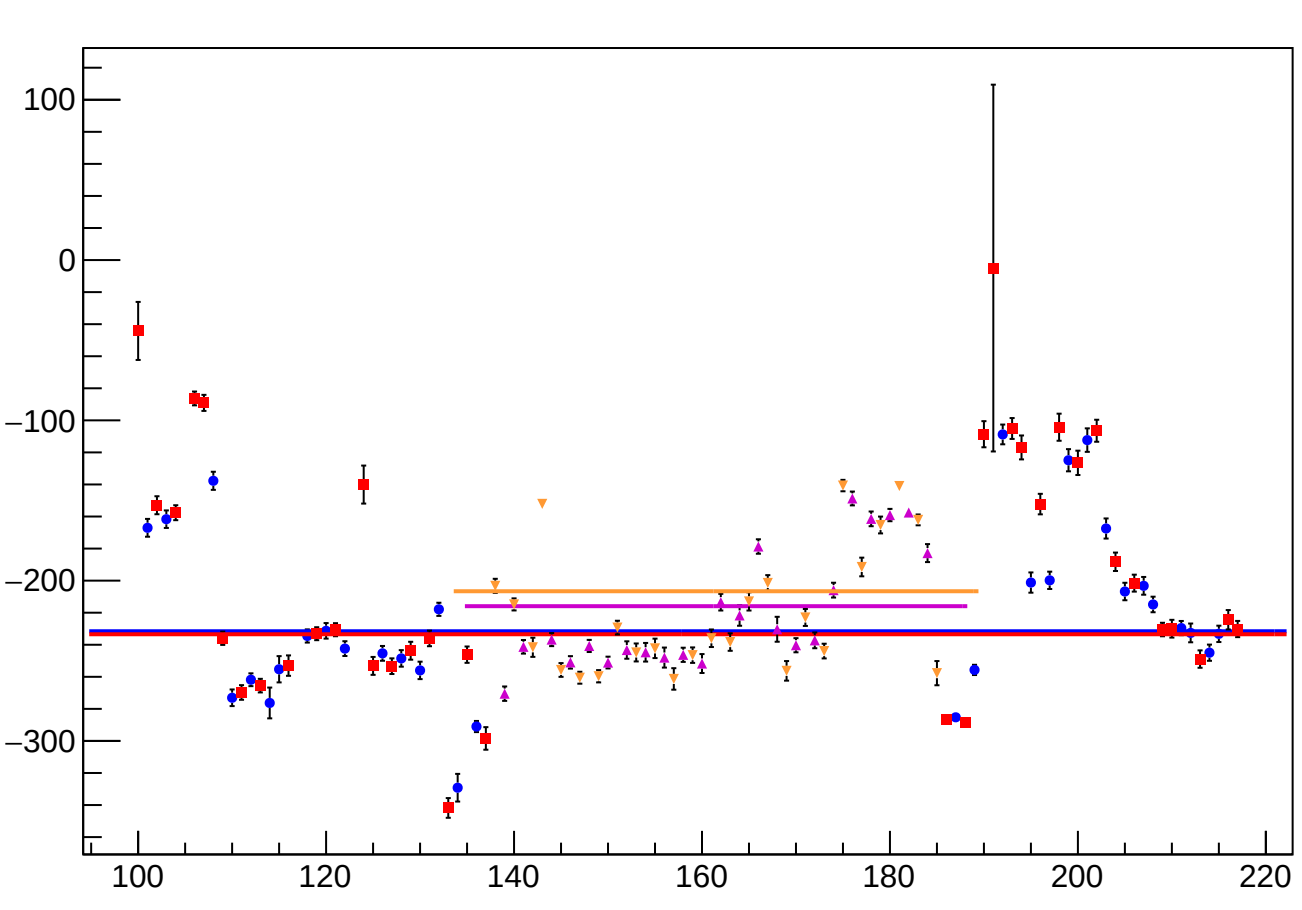
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -6.956+/-0.656 χ^2/NDF: 1859.6/66

In: 1.070+/-0.574 χ^2/NDF:1494.8/53

Out: -1.553+/-0.533 χ^2/NDF:1664.5/60

All: -0.339+/-0.391 χ^2/NDF: 3170.5/114



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: -233.452+/-0.783 χ^2/NDF: 6671.0/35

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

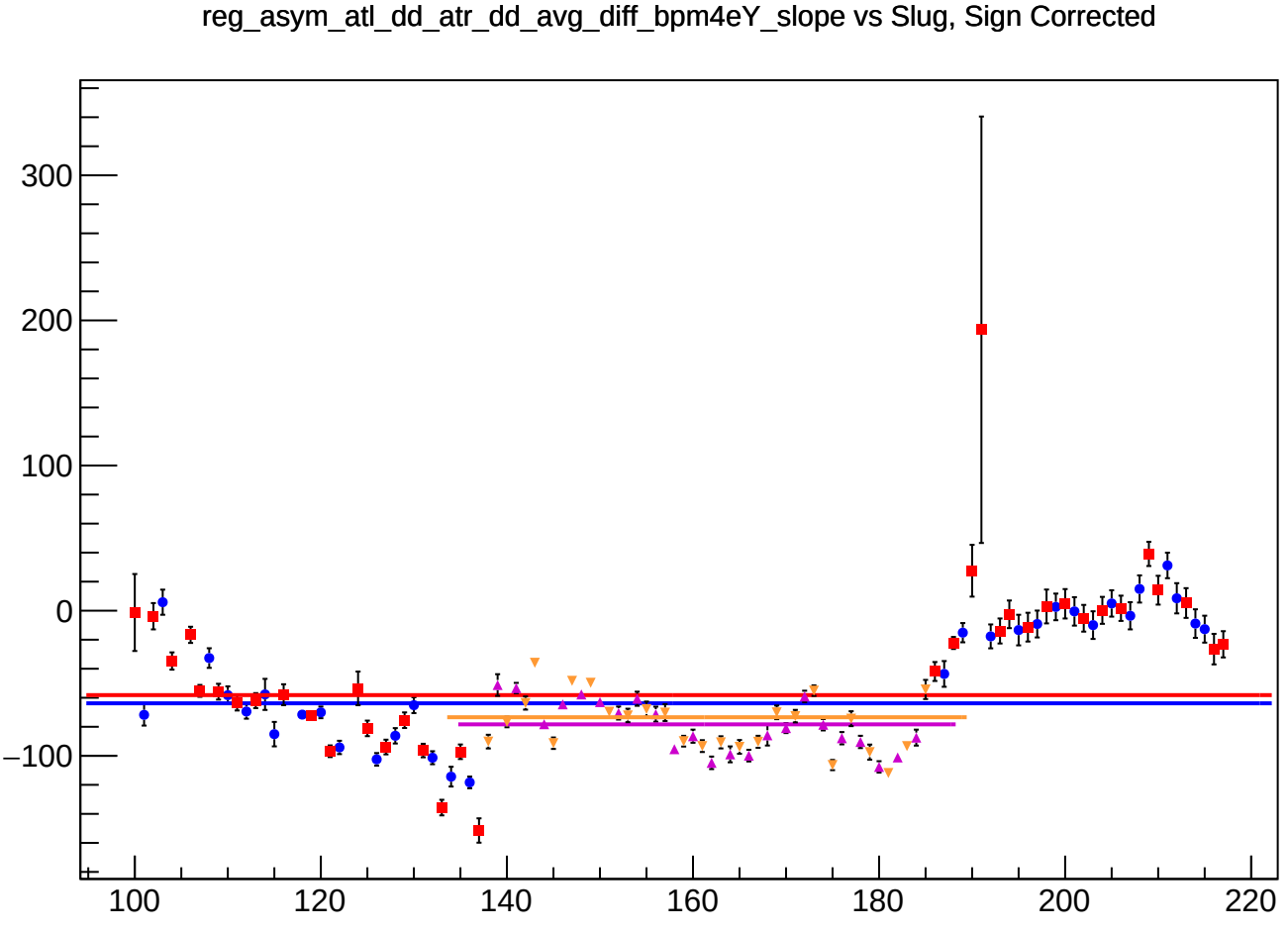
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.633+/-0.588 χ^2/NDF: 9364.2/66

In: -224.243+/-0.648 χ^2/NDF:4547.7/53

Out: -221.810+/-0.589 χ^2/NDF:9648.1/60

All: -222.912+/-0.436 χ^2/NDF: 14203.5/114



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: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

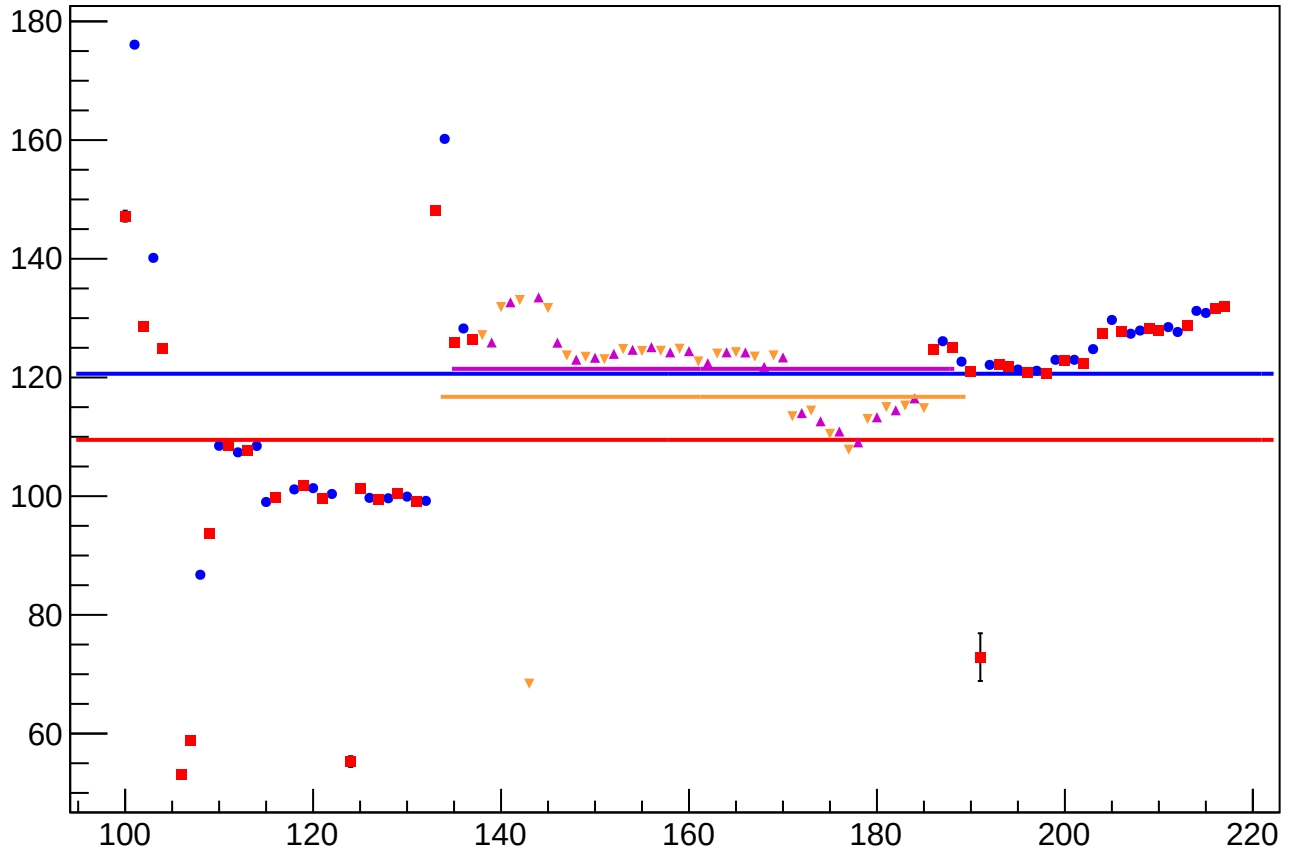
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -60.823+/-0.772 χ^2/NDF: 2625.7/66

In: -73.329+/-0.662 χ^2/NDF:1776.7/53

Out: -68.187+/-0.621 χ^2/NDF:2359.9/60

All: -70.597+/-0.453 χ^2/NDF: 4168.7/114



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: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

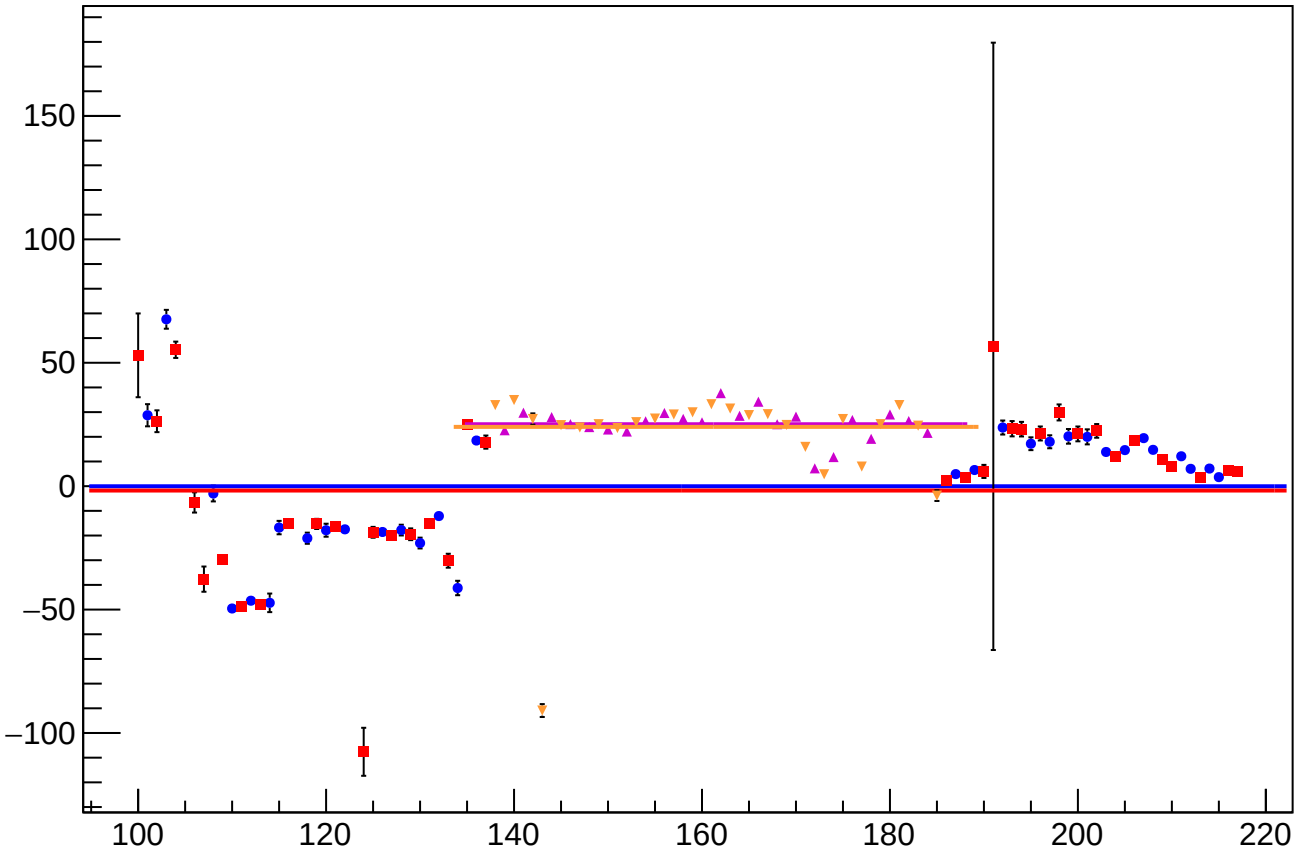
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.584+/-0.040 χ^2/NDF: 335967.5/66

In: 121.221+/-0.032 χ^2/NDF:128835.4/53

Out: 114.546+/-0.030 χ^2/NDF:432928.3/60

All: 117.706+/-0.022 χ^2/NDF: 585337.0/114



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: -1.767+/-0.337 χ^2/NDF: 3941.8/35

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

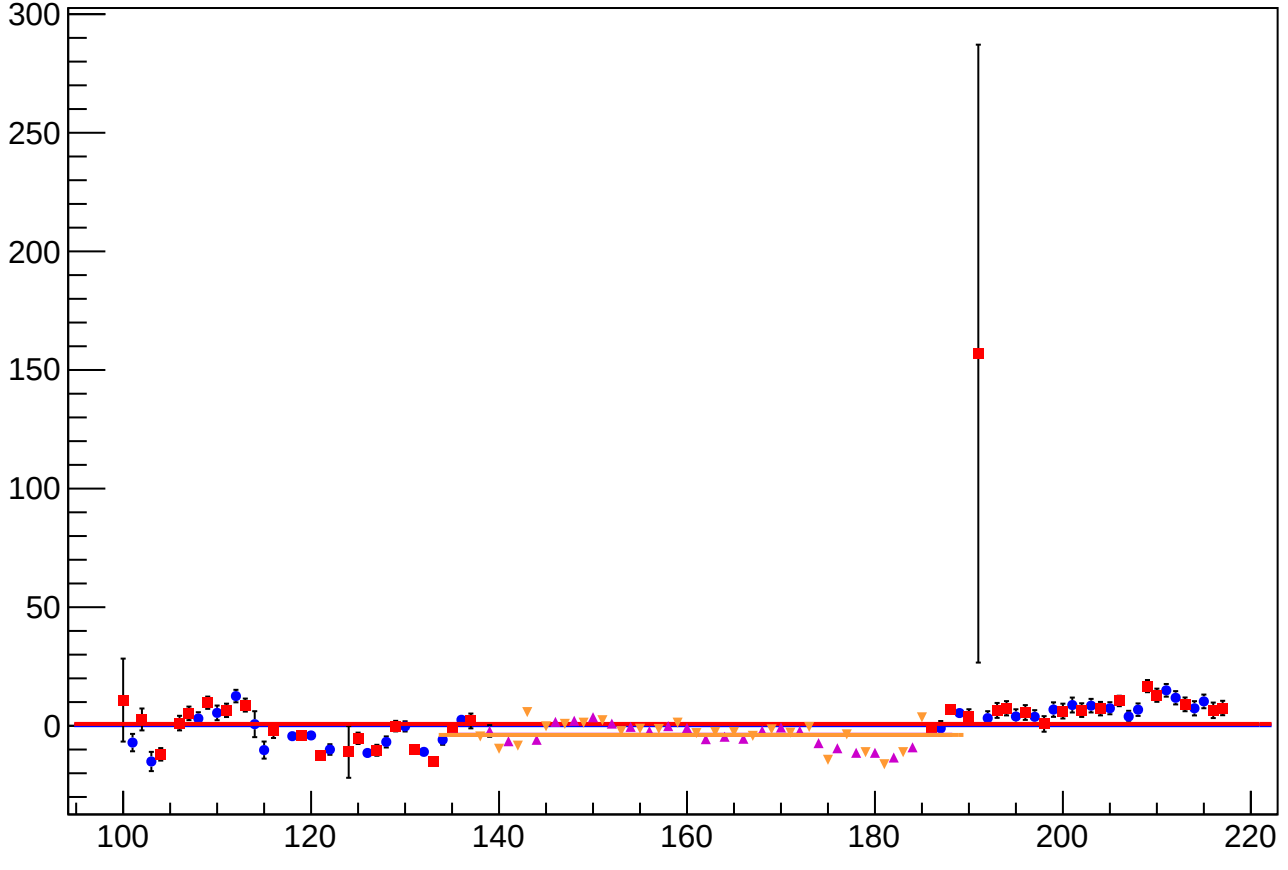
Right: -0.949+/-0.245 χ^2/NDF: 7665.2/66

In: 15.158+/-0.223 χ^2/NDF:7231.7/53

Out: 13.415+/-0.216 χ^2/NDF:10184.8/60

All: 14.259+/-0.155 χ^2/NDF: 17448.0/114

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: 0.798+/-0.420 χ^2/NDF: 363.6/35

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

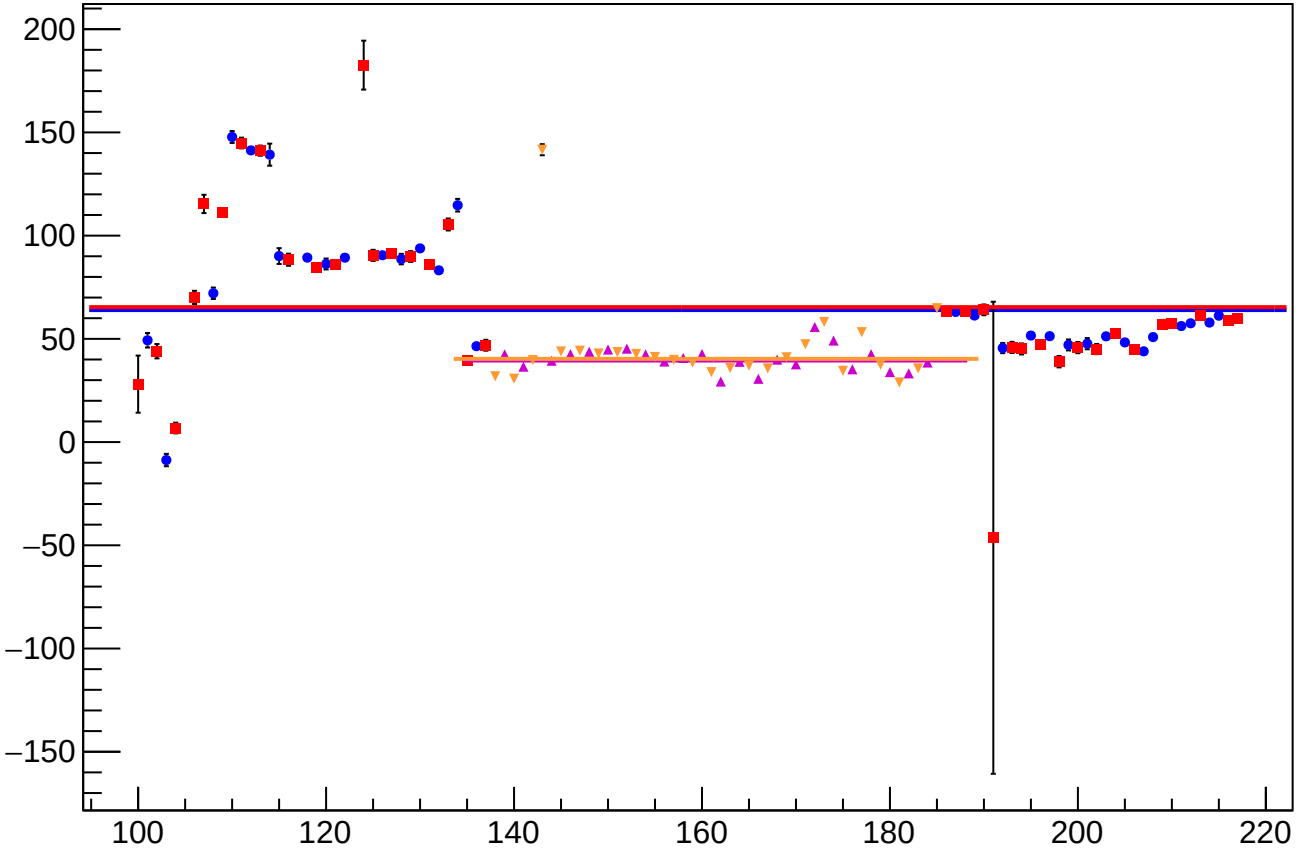
Right: 0.542+/-0.302 χ^2/NDF: 650.9/66

In: -2.937+/-0.199 χ^2/NDF:864.5/53

Out: -2.861+/-0.193 χ^2/NDF:1109.3/60

All: -2.898+/-0.139 χ^2/NDF: 1973.9/114

reg_asym_atl_dd_atr_dd_dd_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: 65.360+/-0.340 χ^2/NDF: 4856.7/35

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

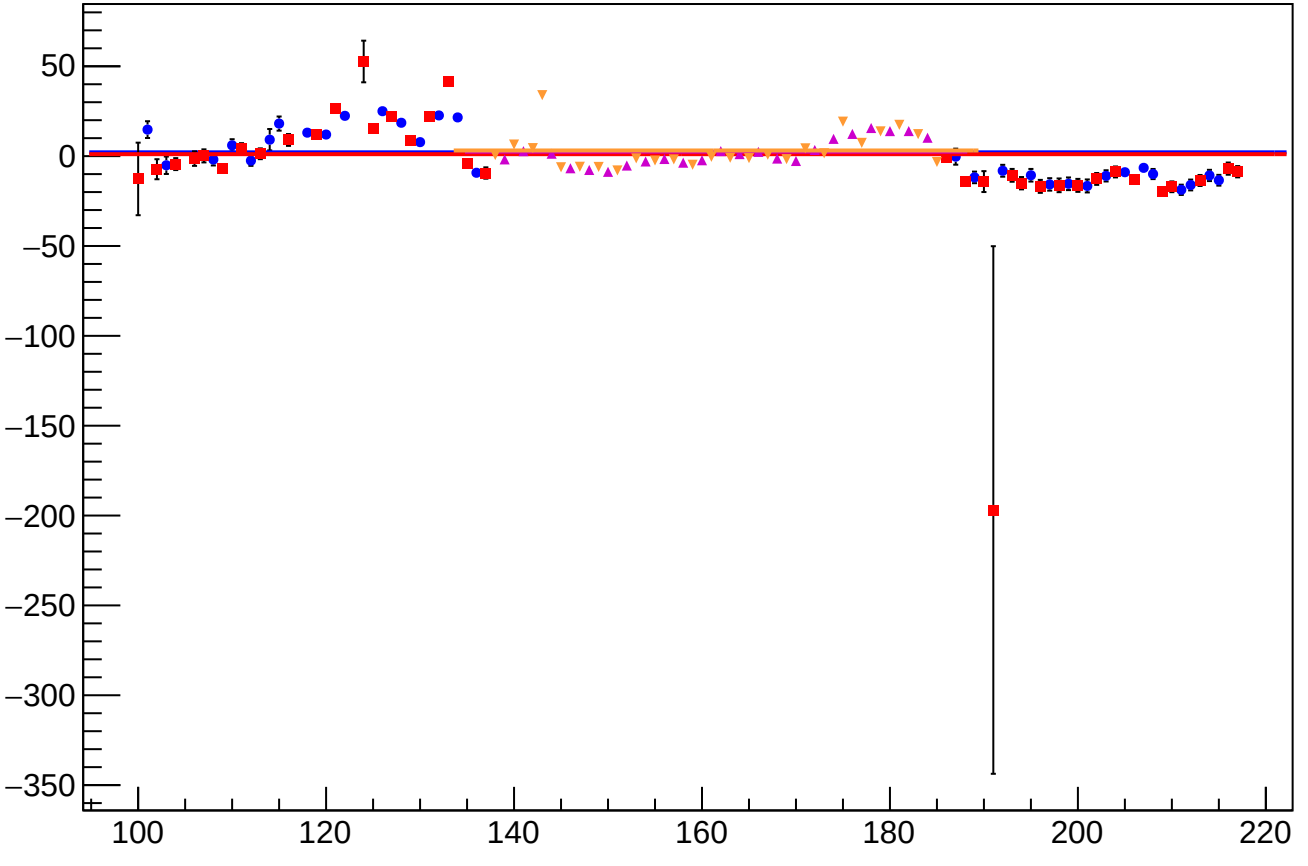
Right: 64.701+/-0.249 χ^2/NDF: 9543.0/66

In: 48.696+/-0.225 χ^2/NDF:7880.6/53

Out: 50.438+/-0.216 χ^2/NDF:10269.8/60

All: 49.601+/-0.156 χ^2/NDF: 18181.7/114

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 1.091+/-0.490 χ^2/NDF: 1042.2/35

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

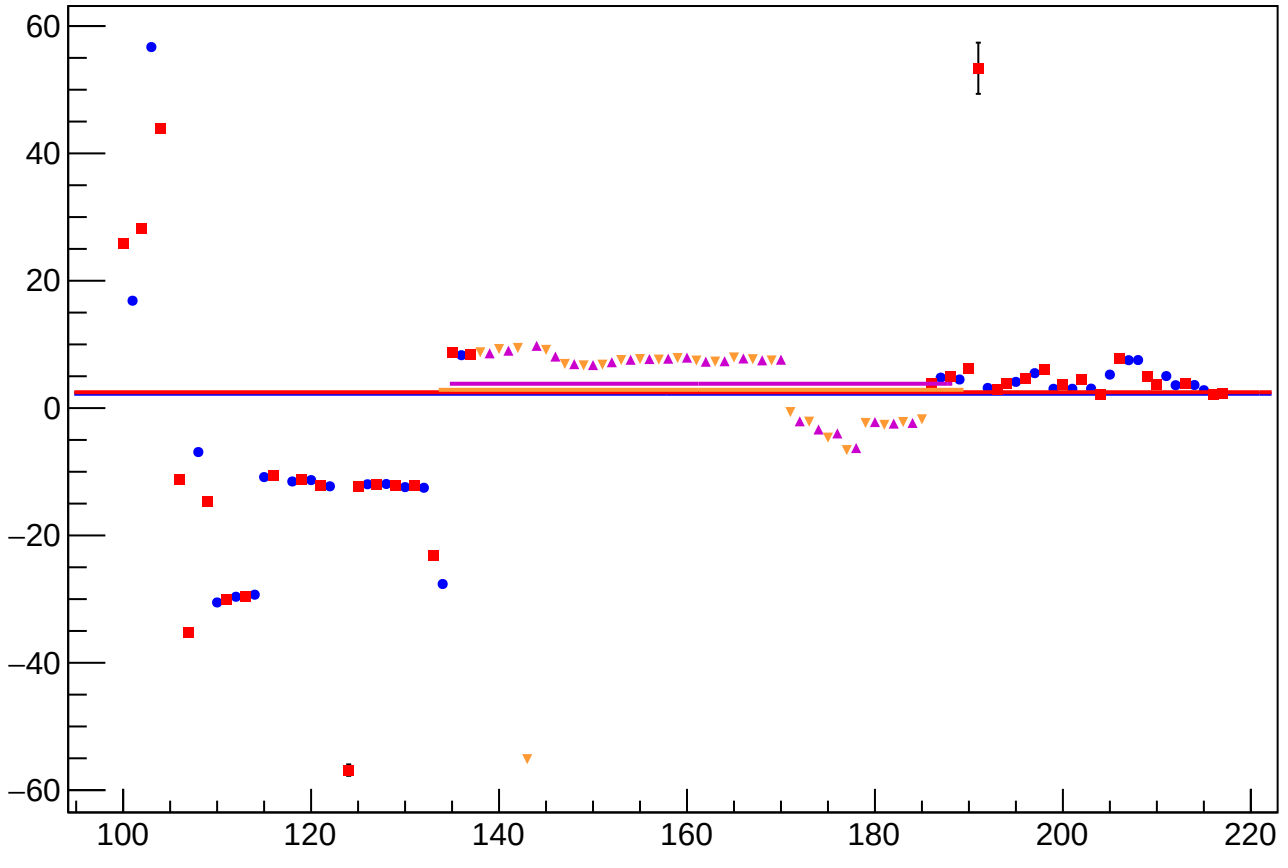
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.595+/-0.348 χ^2/NDF: 1894.7/66

In: 2.436+/-0.224 χ^2/NDF:1819.0/53

Out: 2.730+/-0.219 χ^2/NDF:2323.2/60

All: 2.586+/-0.157 χ^2/NDF: 4143.2/114



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: 2.490+/-0.024 χ^2/NDF: 330761.8/35

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

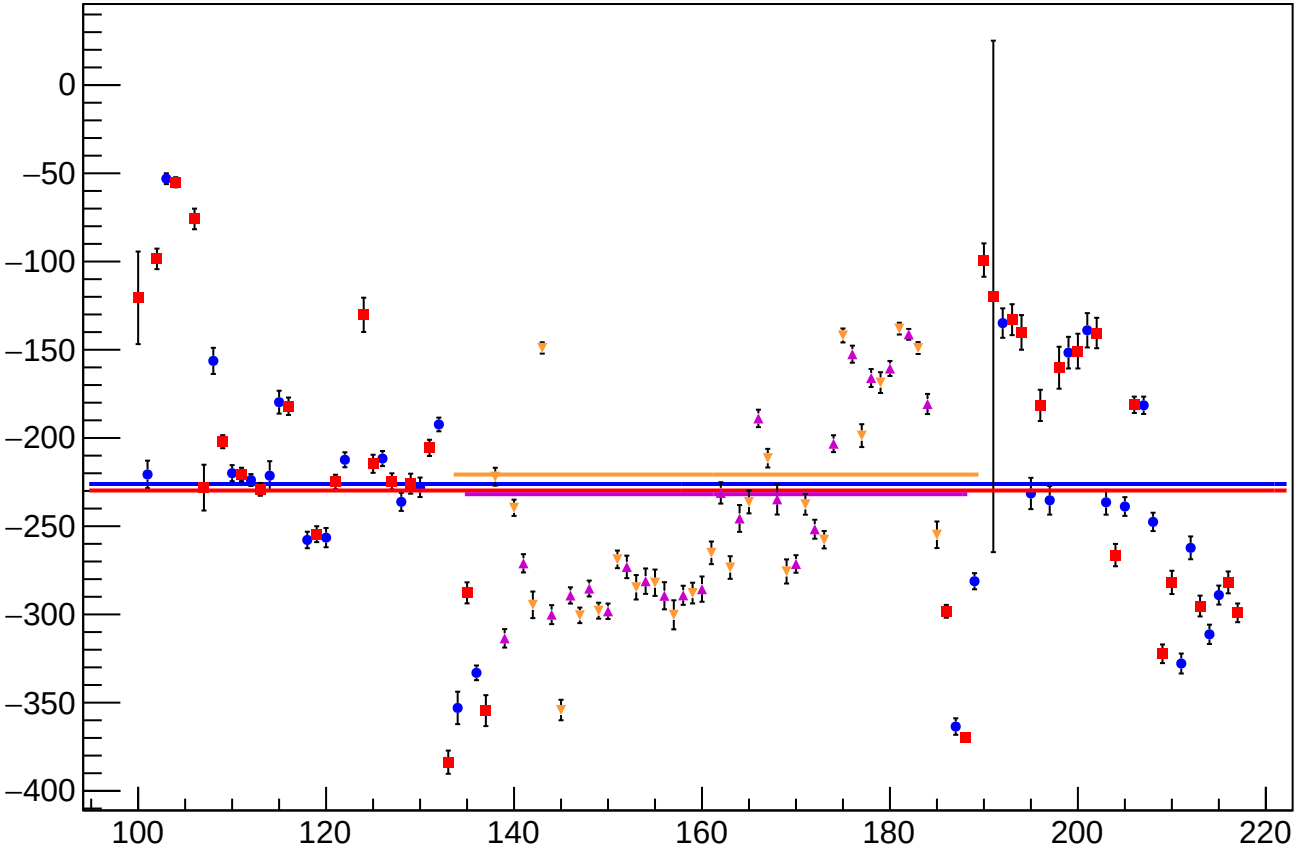
Right: 2.371+/-0.017 χ^2/NDF: 713827.4/66

In: 3.539+/-0.010 χ^2/NDF:619886.1/53

Out: 2.802+/-0.010 χ^2/NDF:843306.3/60

All: 3.168+/-0.007 χ^2/NDF: 1465909.7/114

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: -229.765+/-0.868 χ^2/NDF: 11078.7/35

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

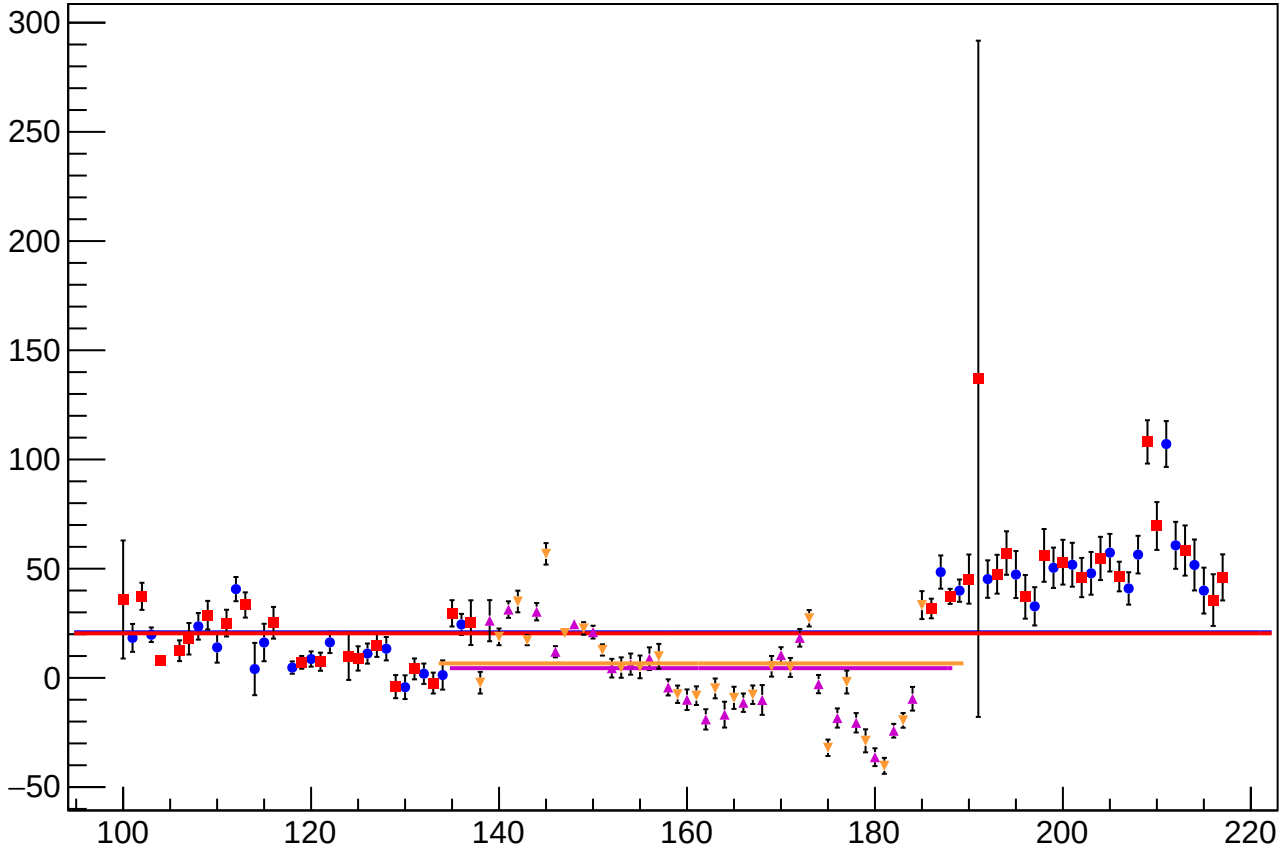
Right: -228.077+/-0.638 χ^2/NDF: 17558.8/66

In: -228.594+/-0.709 χ^2/NDF:9648.5/53

Out: -225.960+/-0.660 χ^2/NDF:15176.6/60

All: -227.184+/-0.483 χ^2/NDF: 24832.5/114

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: 20.401+/-0.966 χ^2/NDF: 374.5/35

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

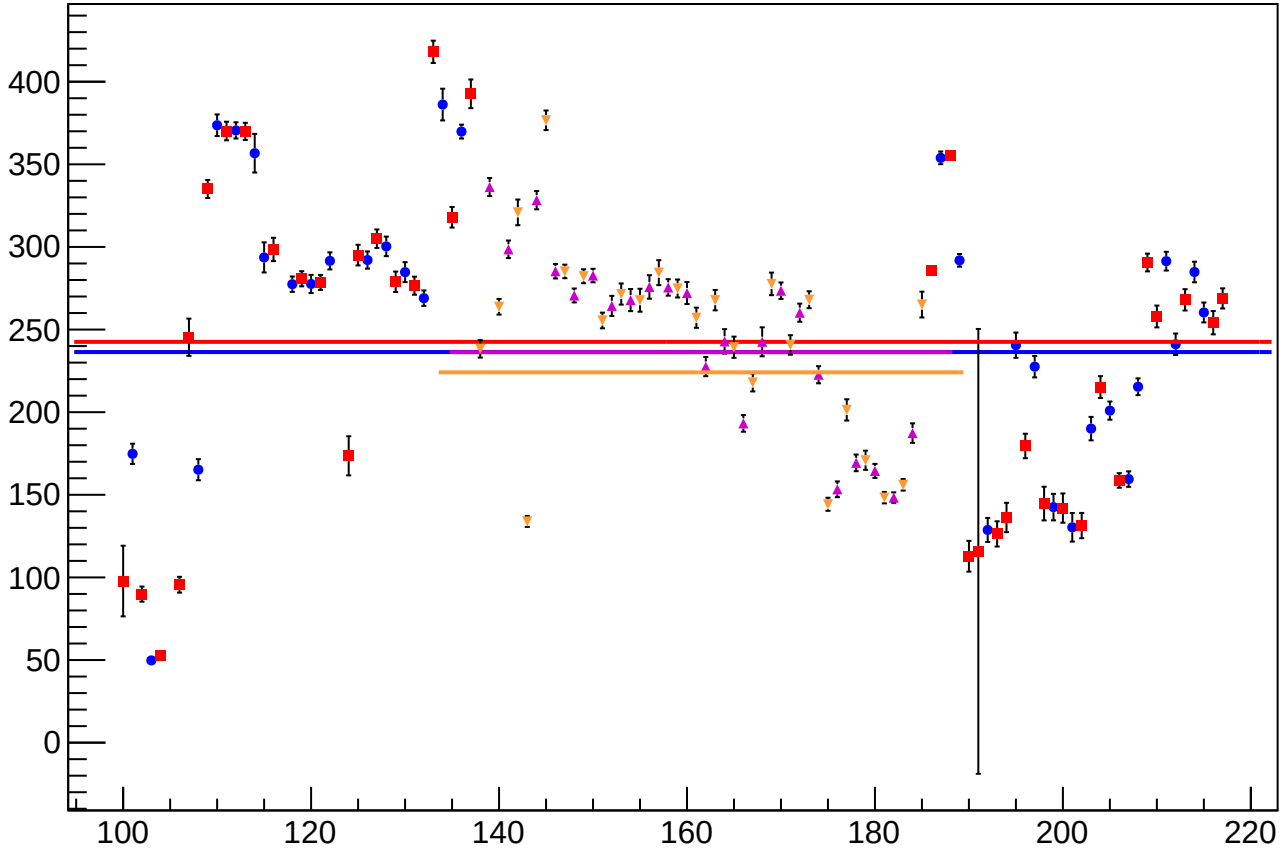
Right: 20.613+/-0.713 χ^2/NDF: 694.6/66

In: 10.488+/-0.642 χ^2/NDF:1039.3/53

Out: 11.839+/-0.594 χ^2/NDF:1235.7/60

All: 11.216+/-0.436 χ^2/NDF: 2277.5/114

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 236.388+/-0.954 χ^2/NDF: 11594.2/30

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 242.561+/-0.855 χ^2/NDF: 17100.4/35

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

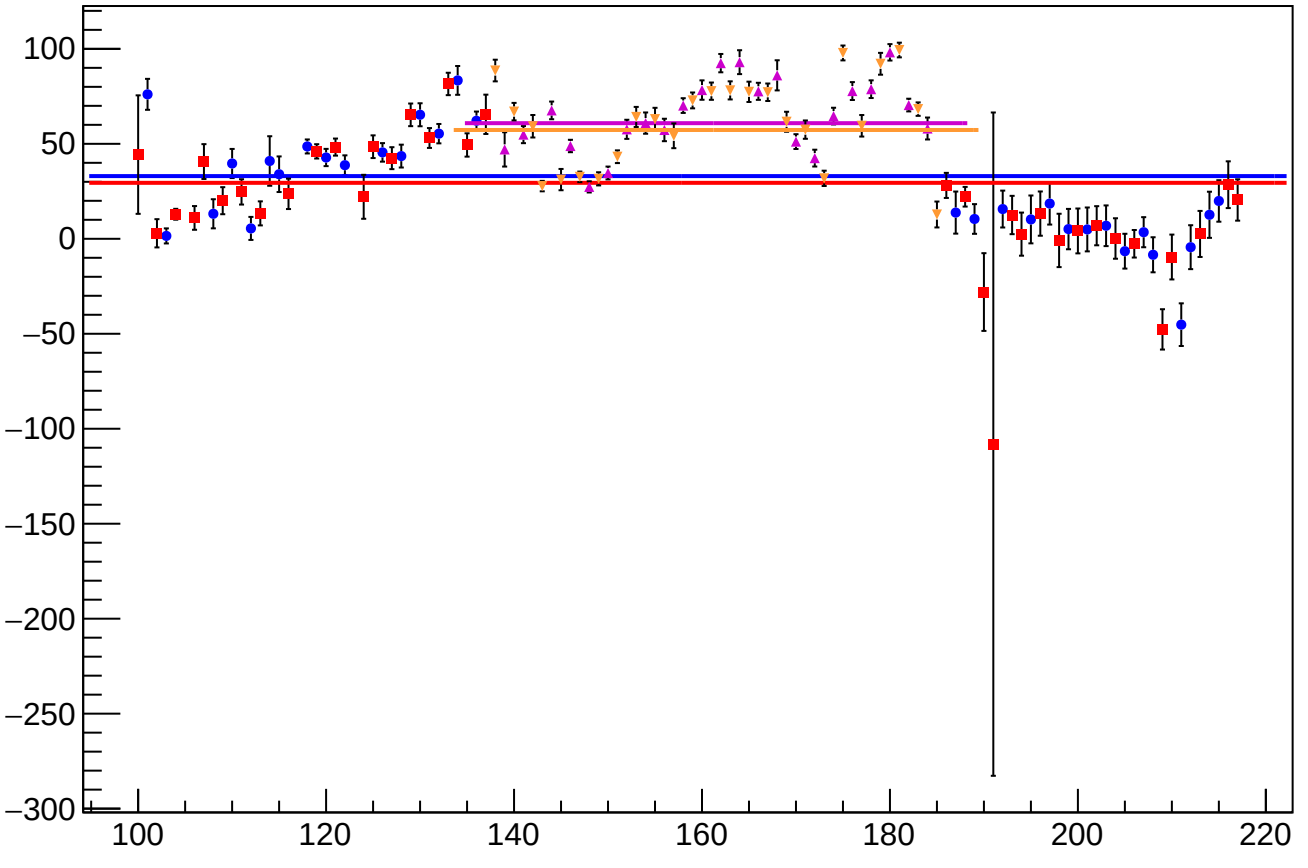
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 239.811+/-0.636 χ^2/NDF: 28717.9/66

In: 236.368+/-0.711 χ^2/NDF:14587.1/53

Out: 234.901+/-0.653 χ^2/NDF:21260.5/60

All: 235.572+/-0.481 χ^2/NDF: 35849.9/114



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: 29.466+/-1.153 χ^2/NDF: 407.2/35

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

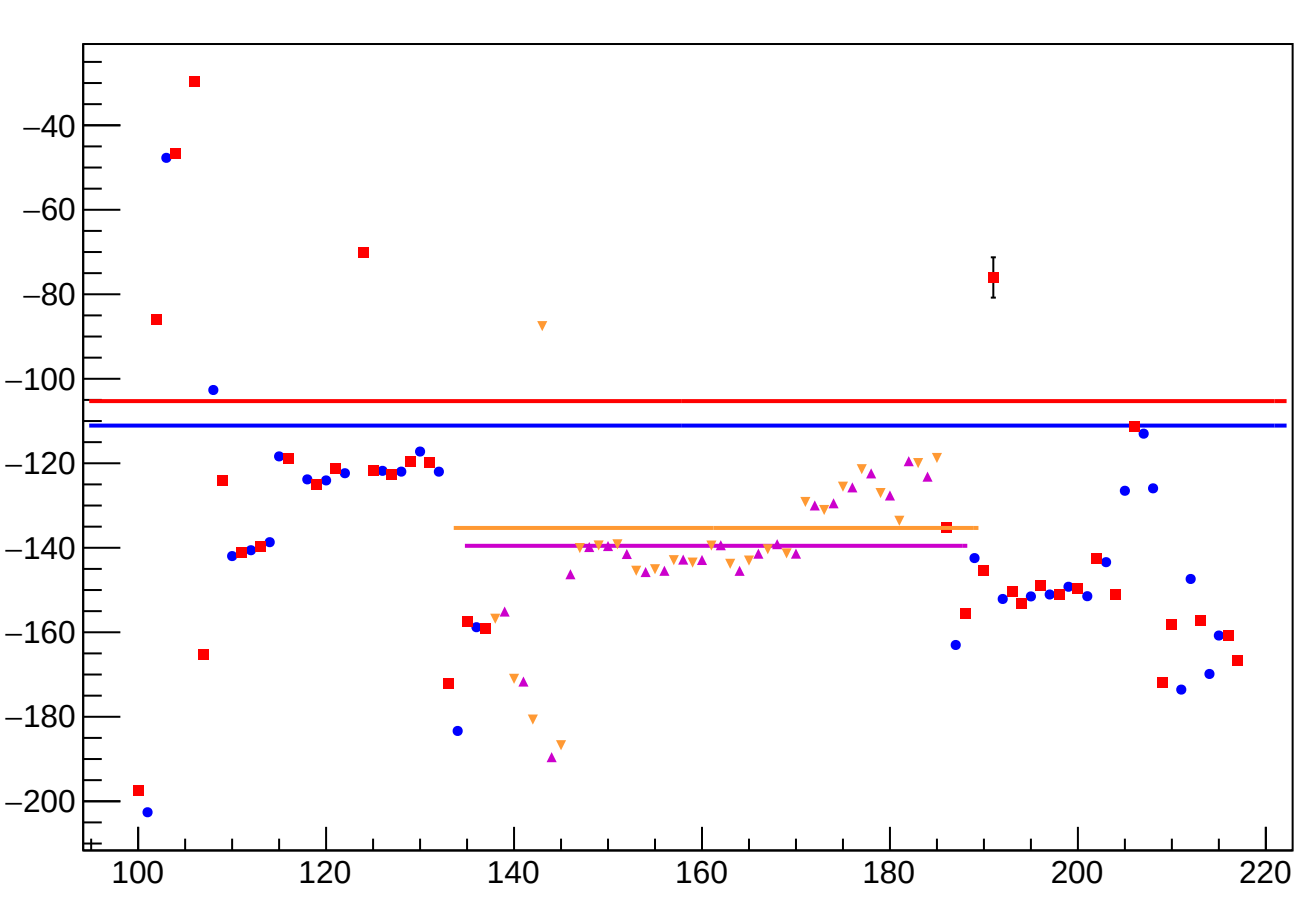
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 31.119+/-0.843 χ^2/NDF: 846.6/66

In: 50.884+/-0.739 χ^2/NDF:1216.9/53

Out: 47.230+/-0.694 χ^2/NDF:1546.5/60

All: 48.941+/-0.506 χ^2/NDF: 2776.4/114



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: -105.284+/-0.055 χ^2/NDF: 772302.0/35

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

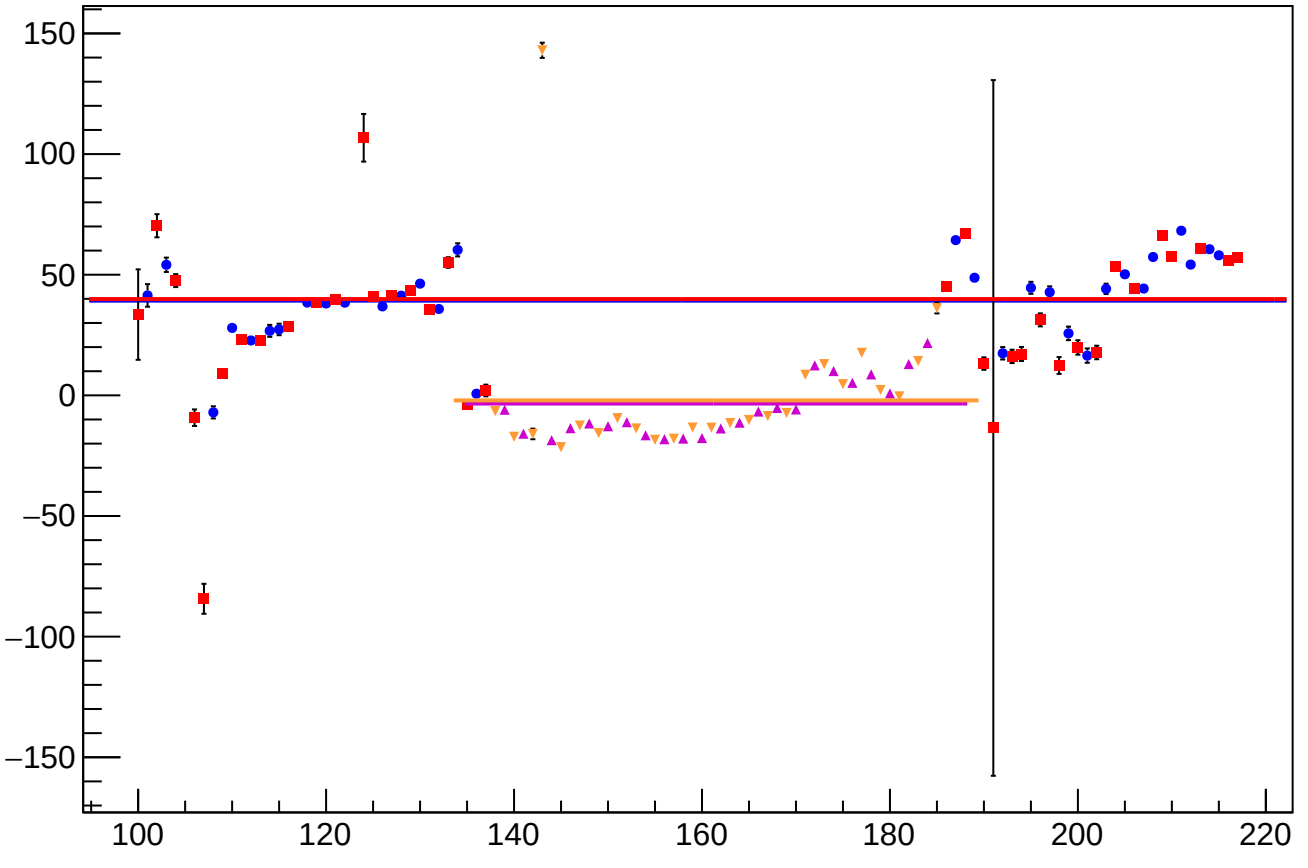
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -108.076+/-0.040 χ^2/NDF: 1478121.5/66

In: -129.523+/-0.034 χ^2/NDF:975605.8/53

Out: -124.759+/-0.033 χ^2/NDF:1227484.1/60

All: -127.054+/-0.024 χ^2/NDF: 2213326.1/11



Right In: 39.269+/-0.316 χ^2/NDF: 3311.5/30

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 39.908+/-0.286 χ^2/NDF: 5514.1/35

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

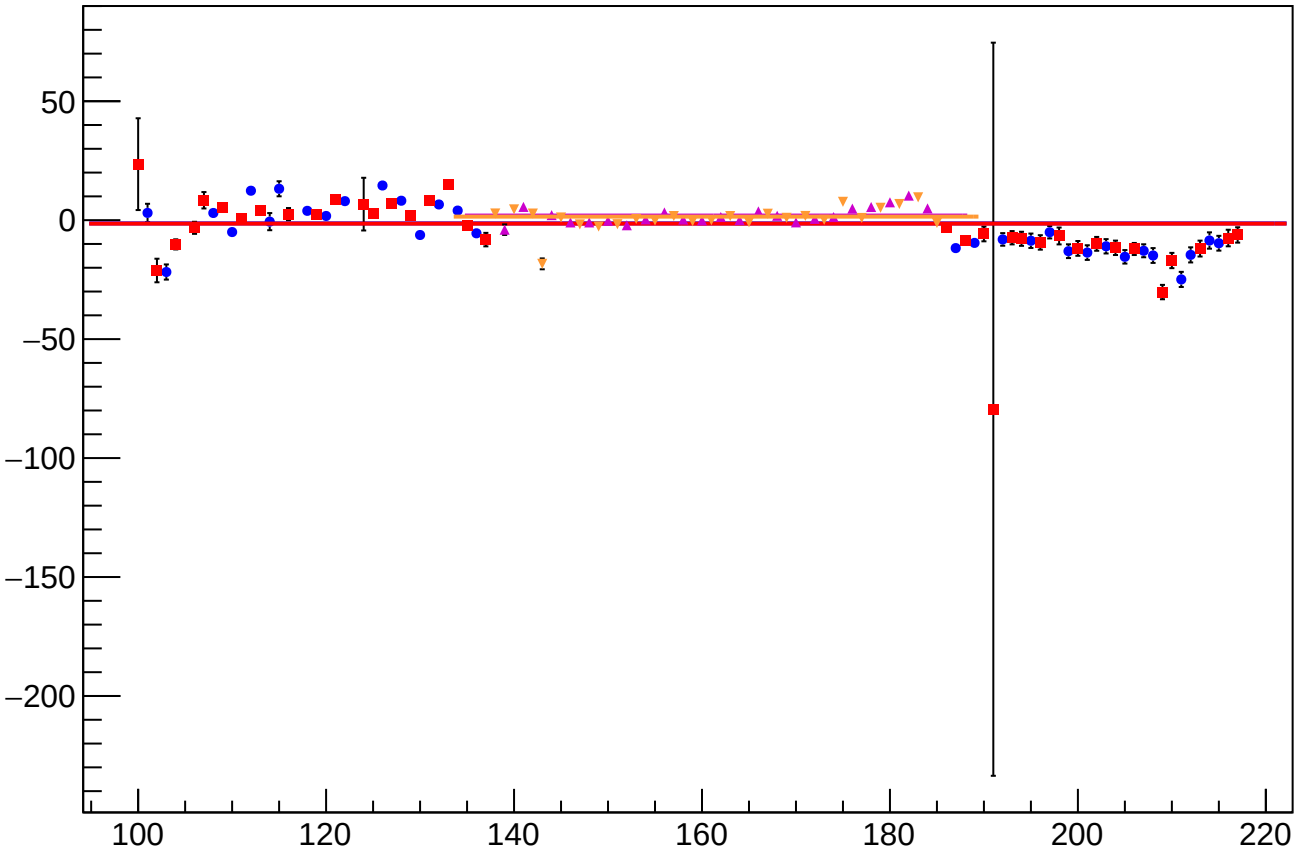
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 39.621+/-0.212 χ^2/NDF: 8827.8/66

In: 14.690+/-0.206 χ^2/NDF:15544.4/53

Out: 17.477+/-0.195 χ^2/NDF:21263.8/60

All: 16.160+/-0.142 χ^2/NDF: 36904.8/114



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: -1.456+/-0.348 χ^2/NDF: 543.9/35

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

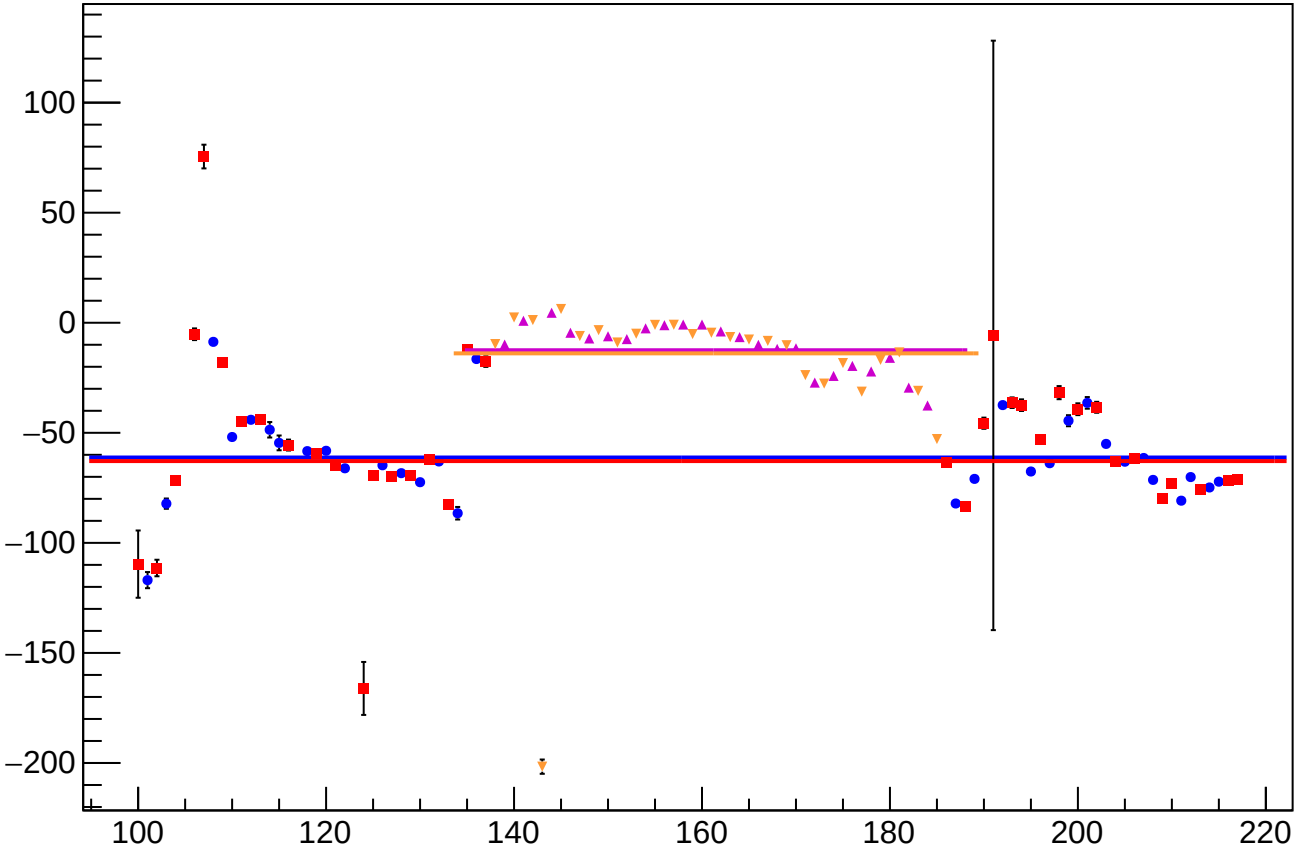
Right: -1.409+/-0.254 χ^2/NDF: 1142.6/66

In: 1.134+/-0.183 χ^2/NDF:898.7/53

Out: 0.730+/-0.177 χ^2/NDF:925.7/60

All: 0.924+/-0.127 χ^2/NDF: 1826.9/114

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: -62.843+/-0.284 χ^2/NDF: 5714.5/35

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

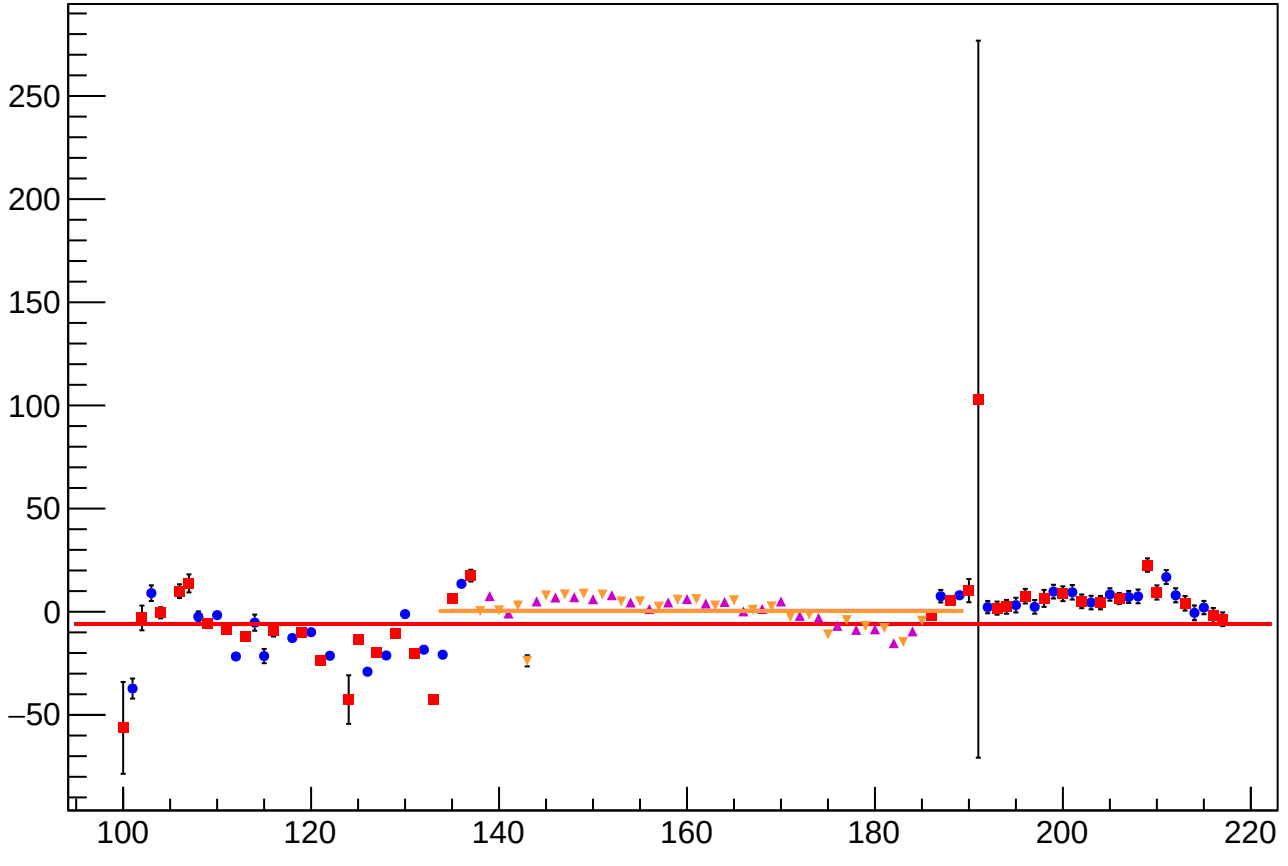
Right: -62.149+/-0.215 χ^2/NDF: 9393.4/66

In: -32.033+/-0.208 χ^2/NDF:18282.8/53

Out: -36.618+/-0.194 χ^2/NDF:26703.3/60

All: -34.487+/-0.142 χ^2/NDF: 45246.3/114

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: -5.966+/-0.415 χ^2/NDF: 1051.9/35

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

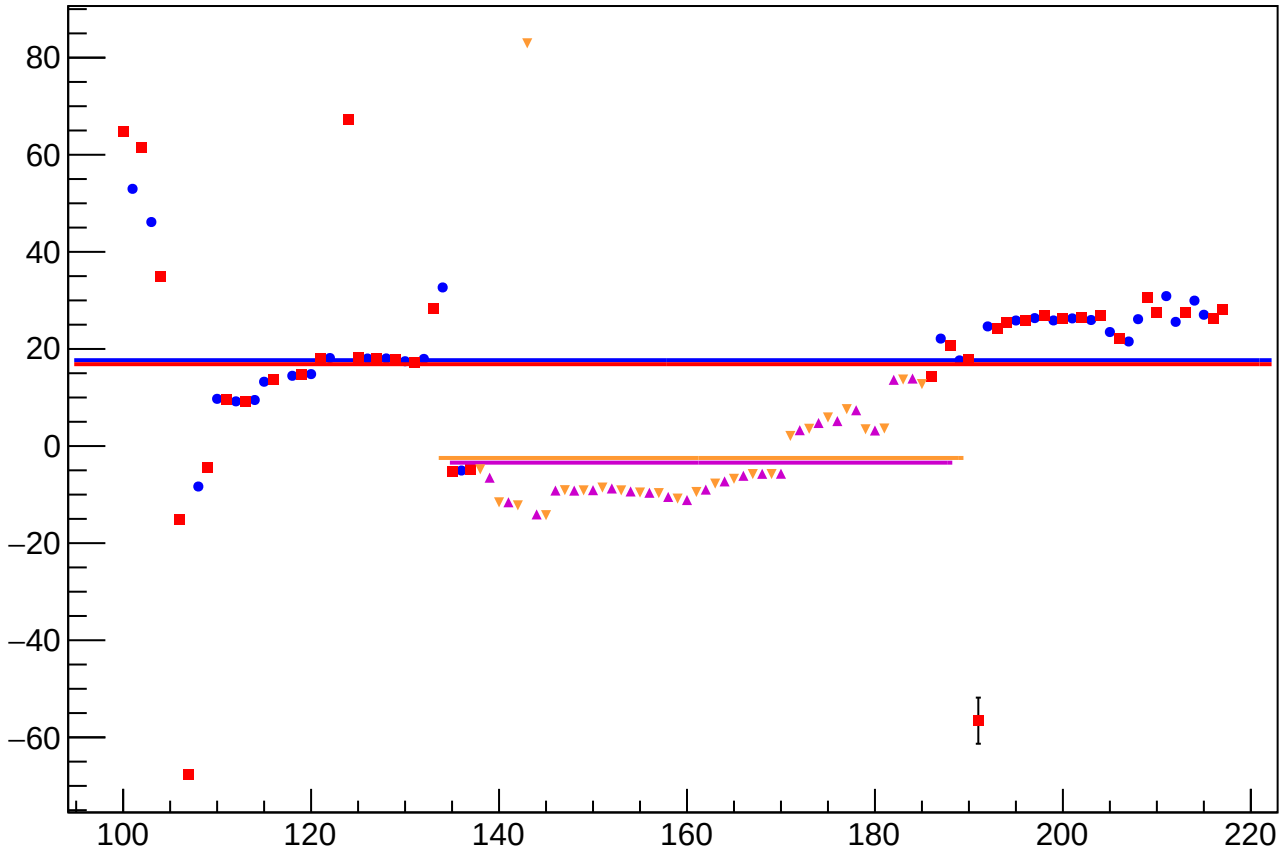
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -5.937+/-0.298 χ^2/NDF: 2061.9/66

In: -1.042+/-0.207 χ^2/NDF:1959.1/53

Out: -1.152+/-0.202 χ^2/NDF:2150.3/60

All: -1.098+/-0.145 χ^2/NDF: 4109.5/114



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: 16.862+/-0.022 χ^2/NDF: 580968.4/35

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

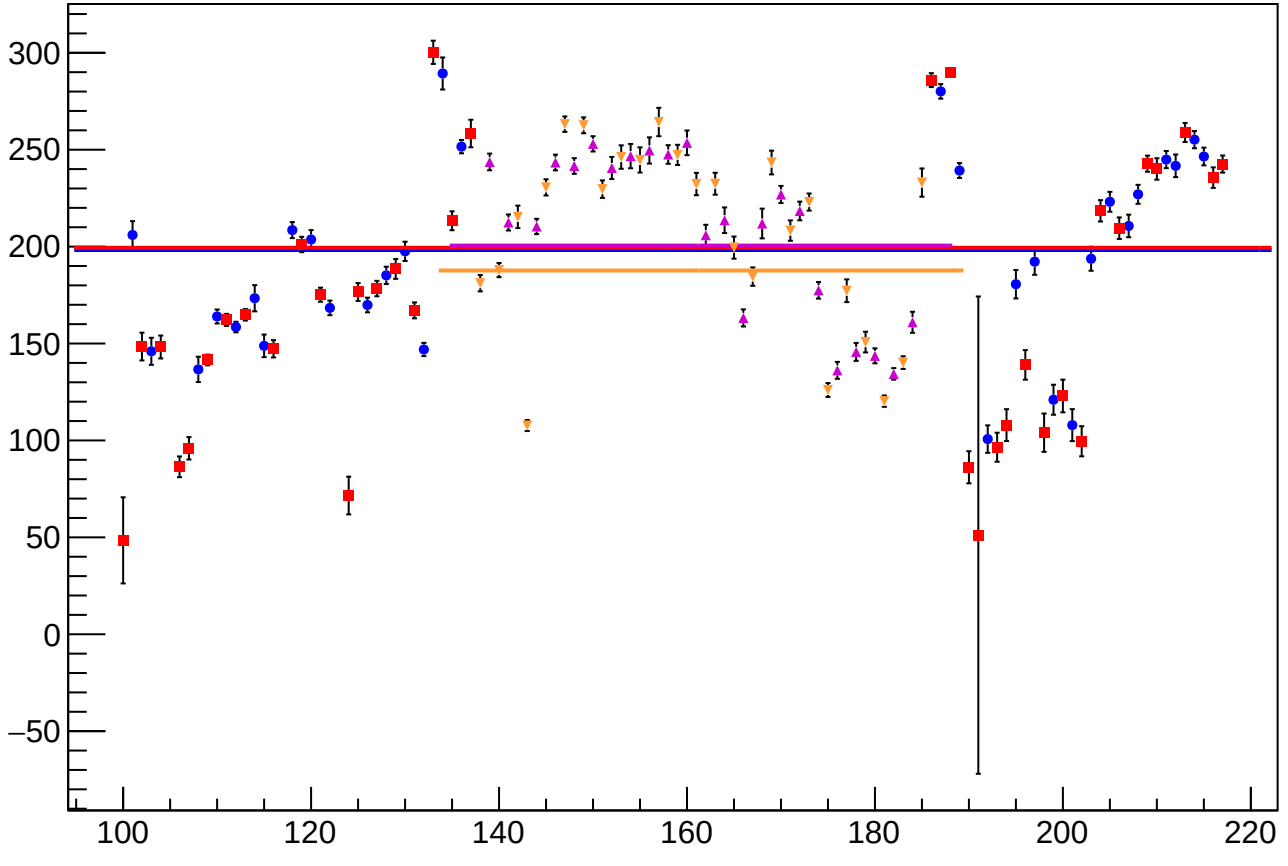
Right: 17.270+/-0.015 χ^2/NDF: 1037031.7/66

In: 0.538+/-0.009 χ^2/NDF:1768141.2/53

Out: 1.168+/-0.009 χ^2/NDF:2195098.7/60

All: 0.856+/-0.007 χ^2/NDF: 3965495.2/114

reg_asym_at1_avg_at2_avg_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: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

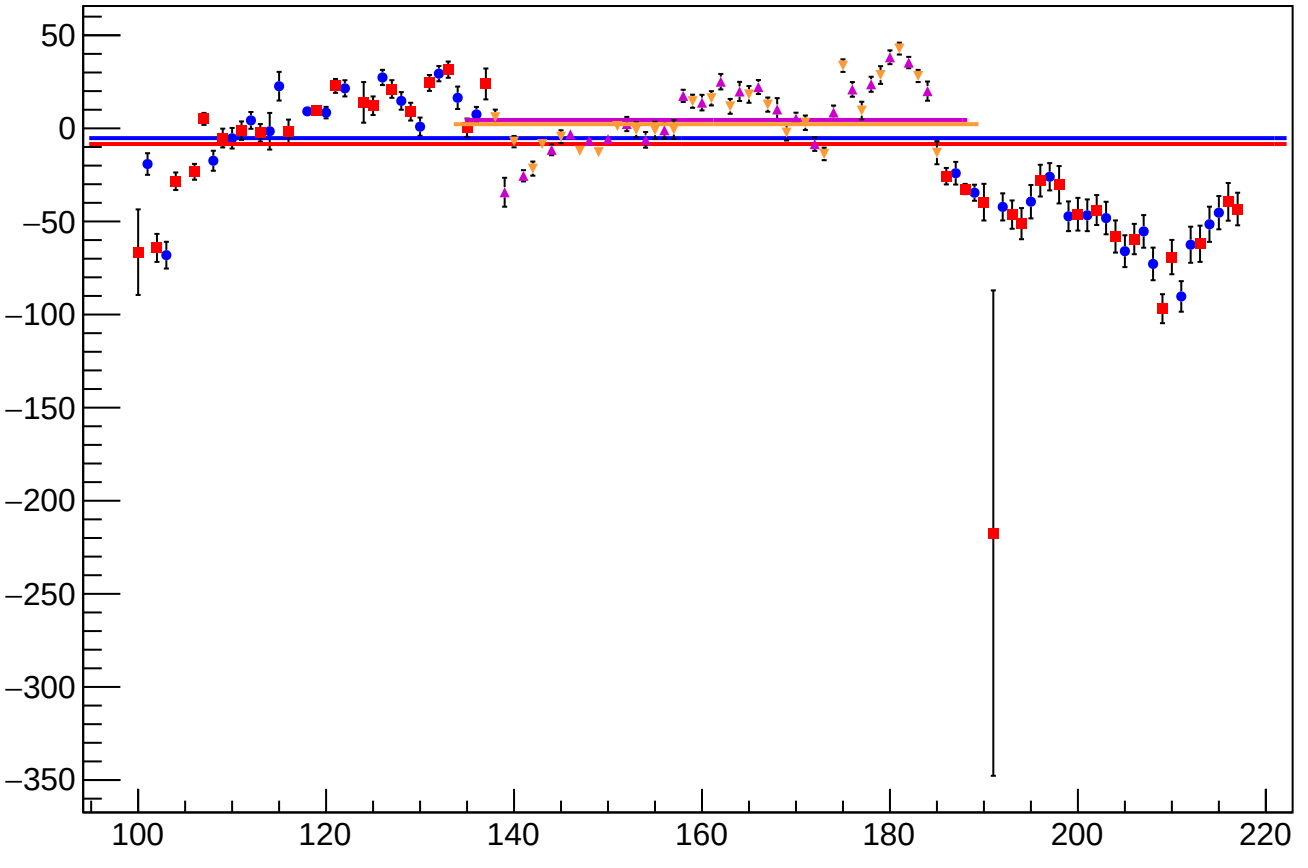
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 198.874+/-0.571 χ^2/NDF: 9289.6/66

In: 199.254+/-0.635 χ^2/NDF:4881.1/53

Out: 194.416+/-0.585 χ^2/NDF:10148.2/60

All: 196.638+/-0.430 χ^2/NDF: 15060.8/114



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: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

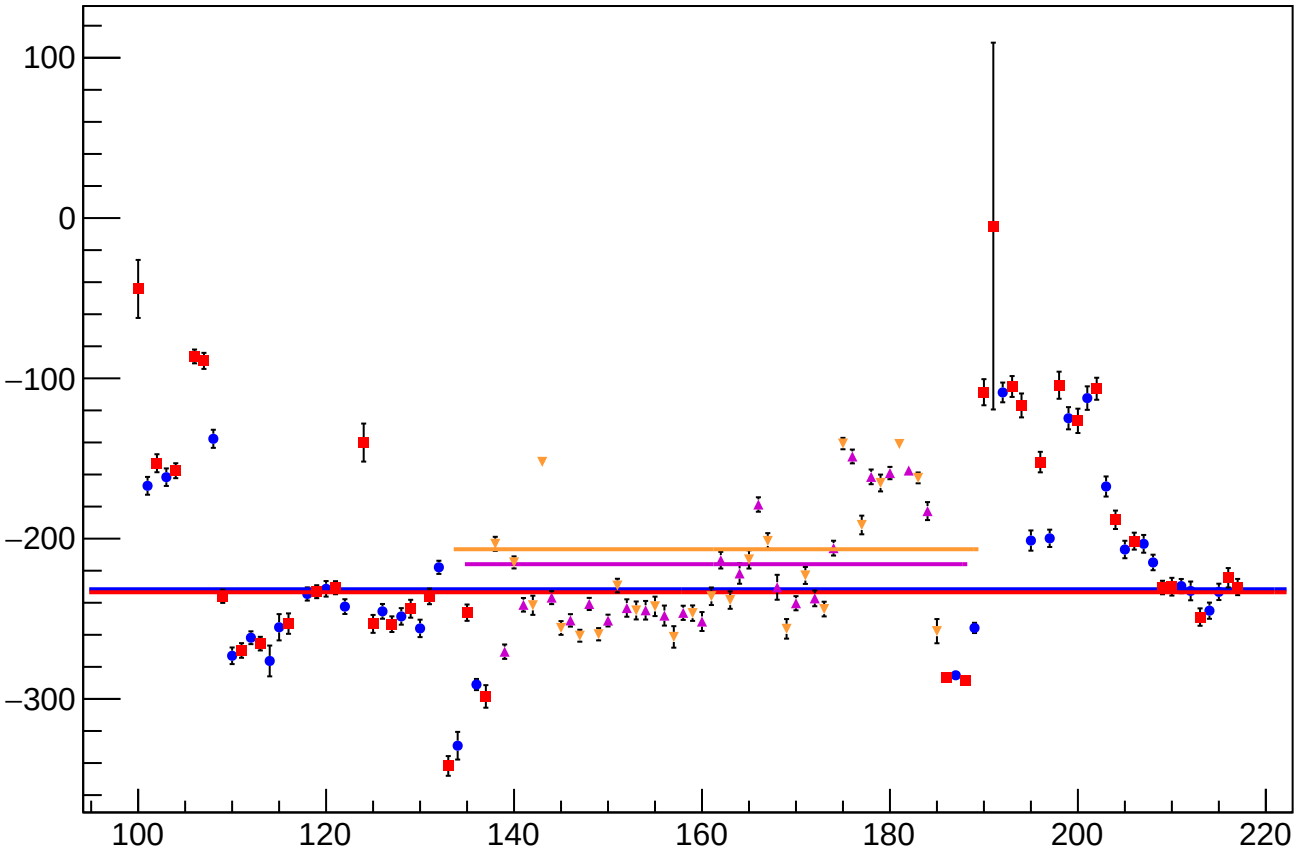
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -6.956+/-0.656 χ^2/NDF: 1859.6/66

In: 1.070+/-0.574 χ^2/NDF:1494.8/53

Out: -1.553+/-0.533 χ^2/NDF:1664.5/60

All: -0.339+/-0.391 χ^2/NDF: 3170.5/114



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: -233.452+/-0.783 χ^2/NDF: 6671.0/35

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

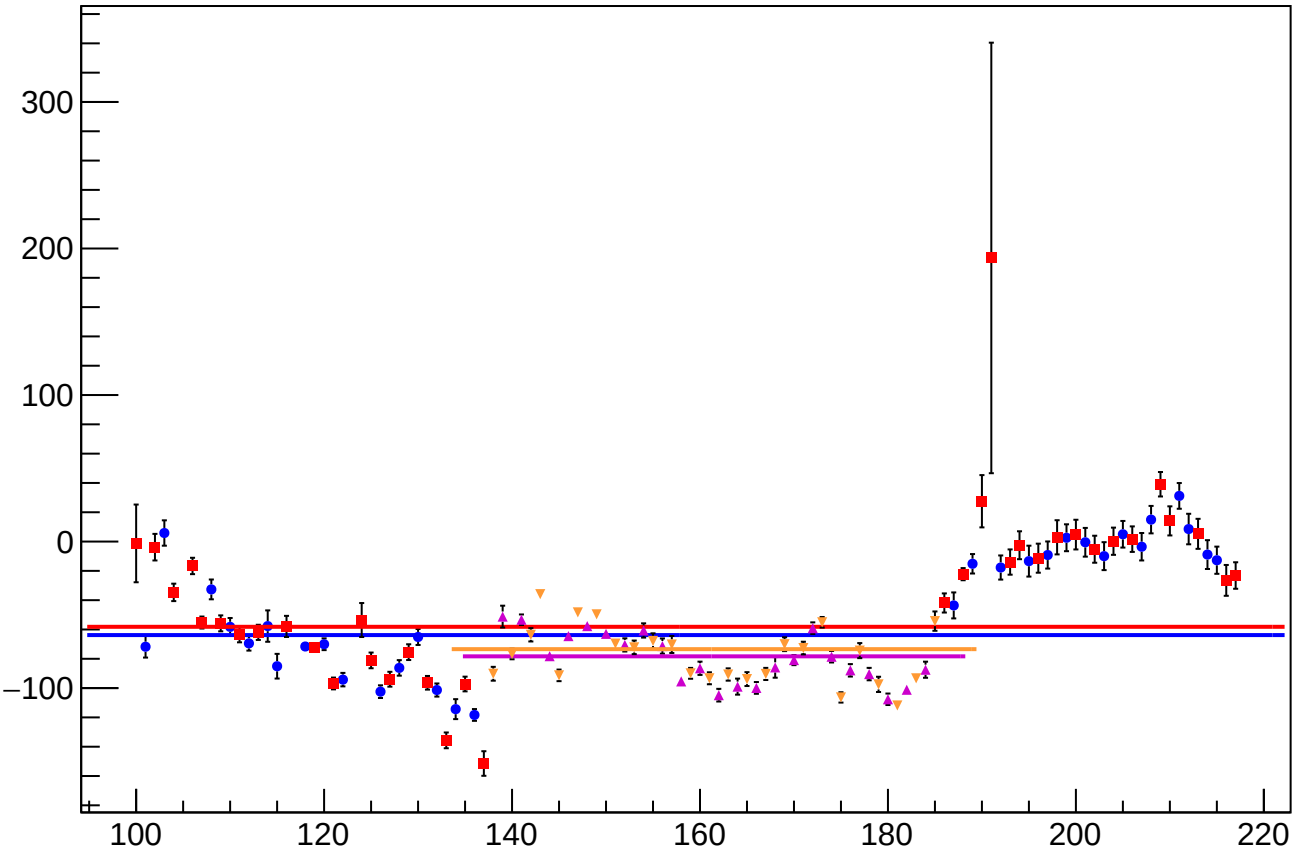
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.633+/-0.588 χ^2/NDF: 9364.2/66

In: -224.243+/-0.648 χ^2/NDF:4547.7/53

Out: -221.810+/-0.589 χ^2/NDF:9648.1/60

All: -222.912+/-0.436 χ^2/NDF: 14203.5/114



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: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

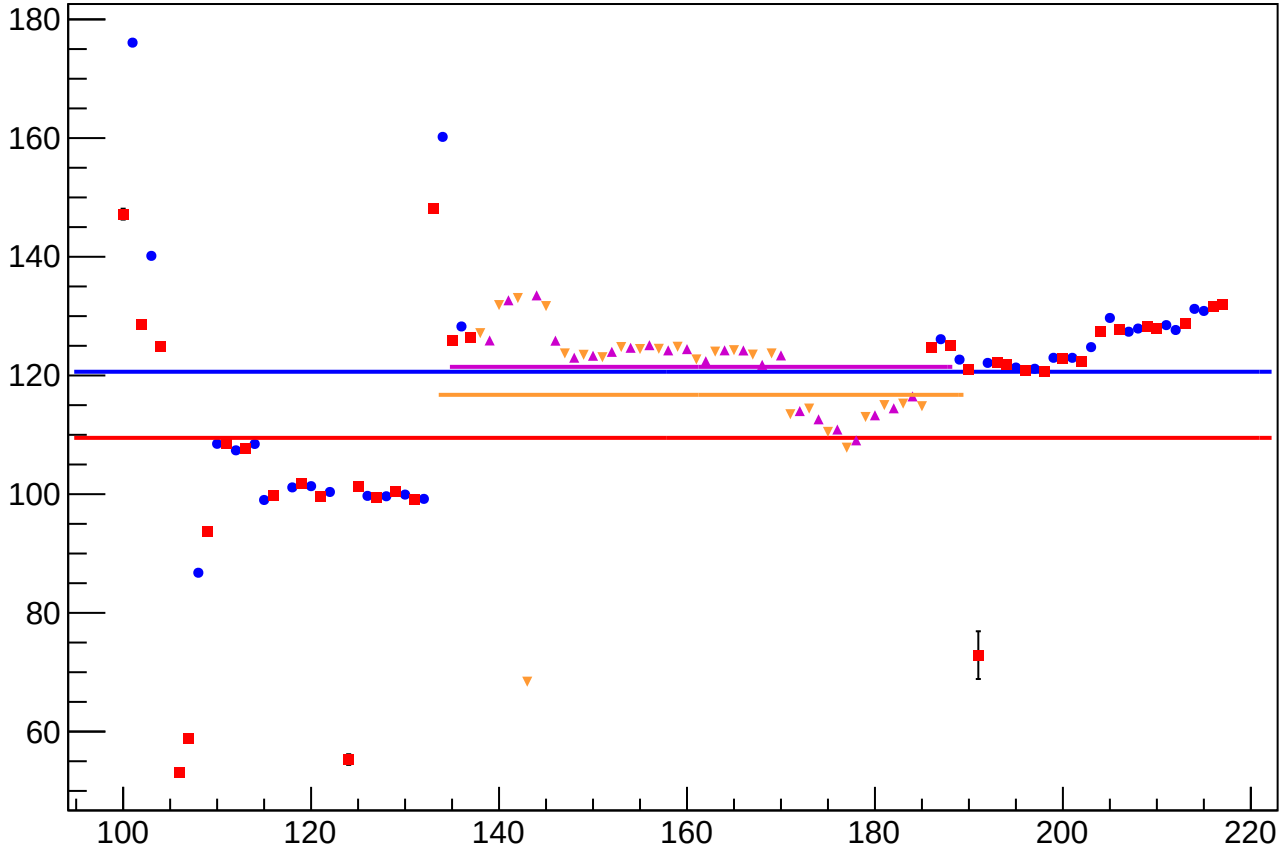
Right: -60.823+/-0.772 χ^2/NDF: 2625.7/66

In: -73.329+/-0.662 χ^2/NDF:1776.7/53

Out: -68.187+/-0.621 χ^2/NDF:2359.9/60

All: -70.597+/-0.453 χ^2/NDF: 4168.7/114

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: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

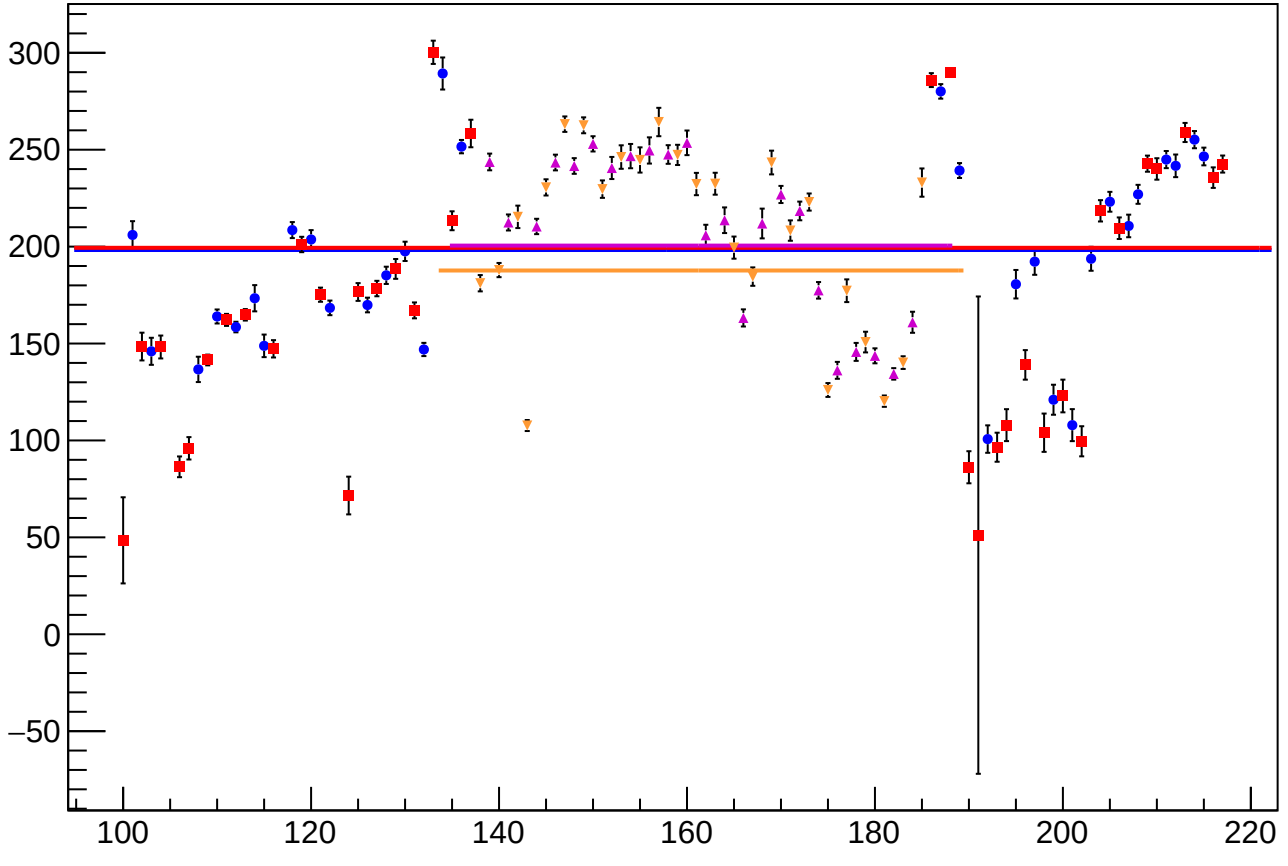
Right: 114.584+/-0.040 χ^2/NDF: 335967.5/66

In: 121.221+/-0.032 χ^2/NDF:128835.4/53

Out: 114.546+/-0.030 χ^2/NDF:432928.3/60

All: 117.706+/-0.022 χ^2/NDF: 585337.0/114

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: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

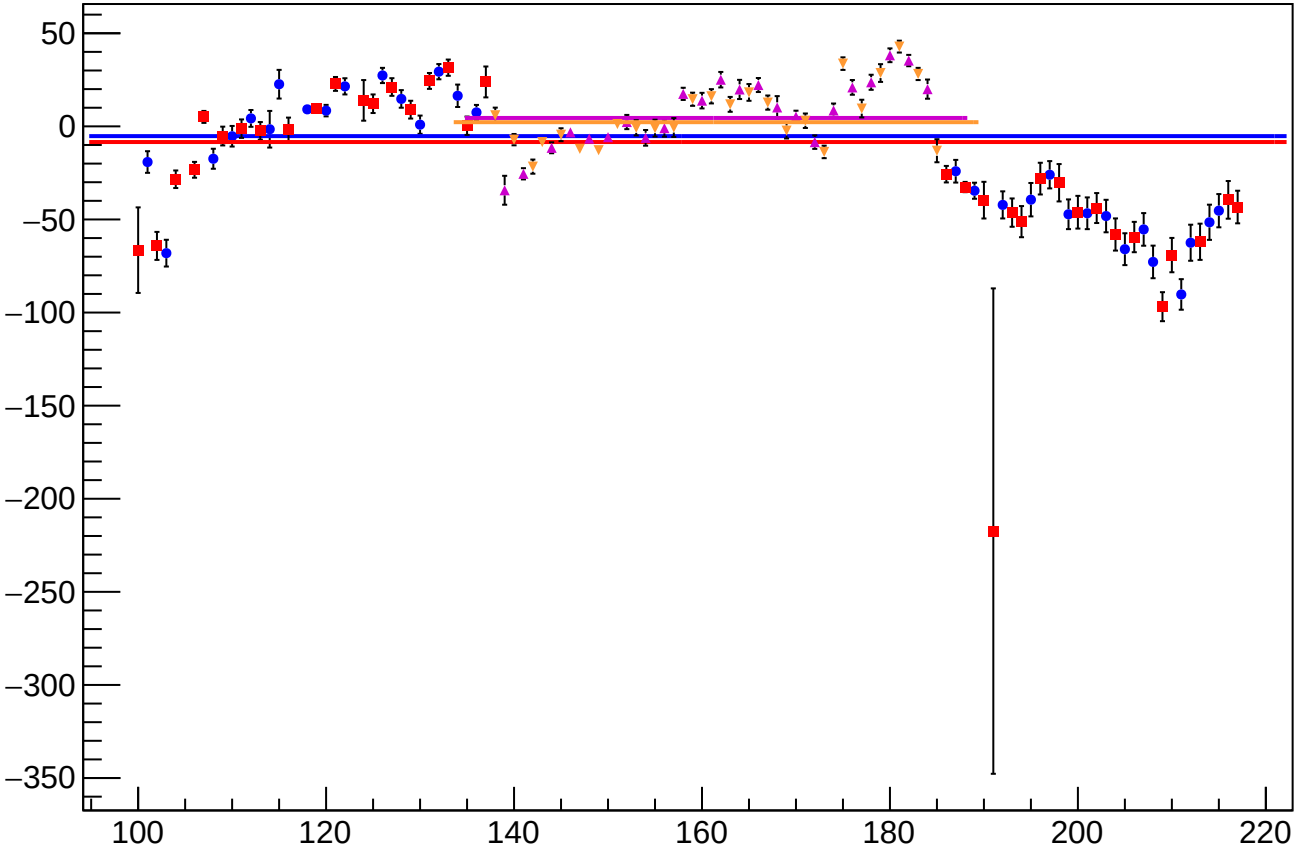
Right: 198.874+/-0.571 χ^2/NDF: 9289.6/66

In: 199.254+/-0.635 χ^2/NDF:4881.1/53

Out: 194.416+/-0.585 χ^2/NDF:10148.2/60

All: 196.638+/-0.430 χ^2/NDF: 15060.8/114

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.245+/-0.967 χ^2/NDF: 881.8/30

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

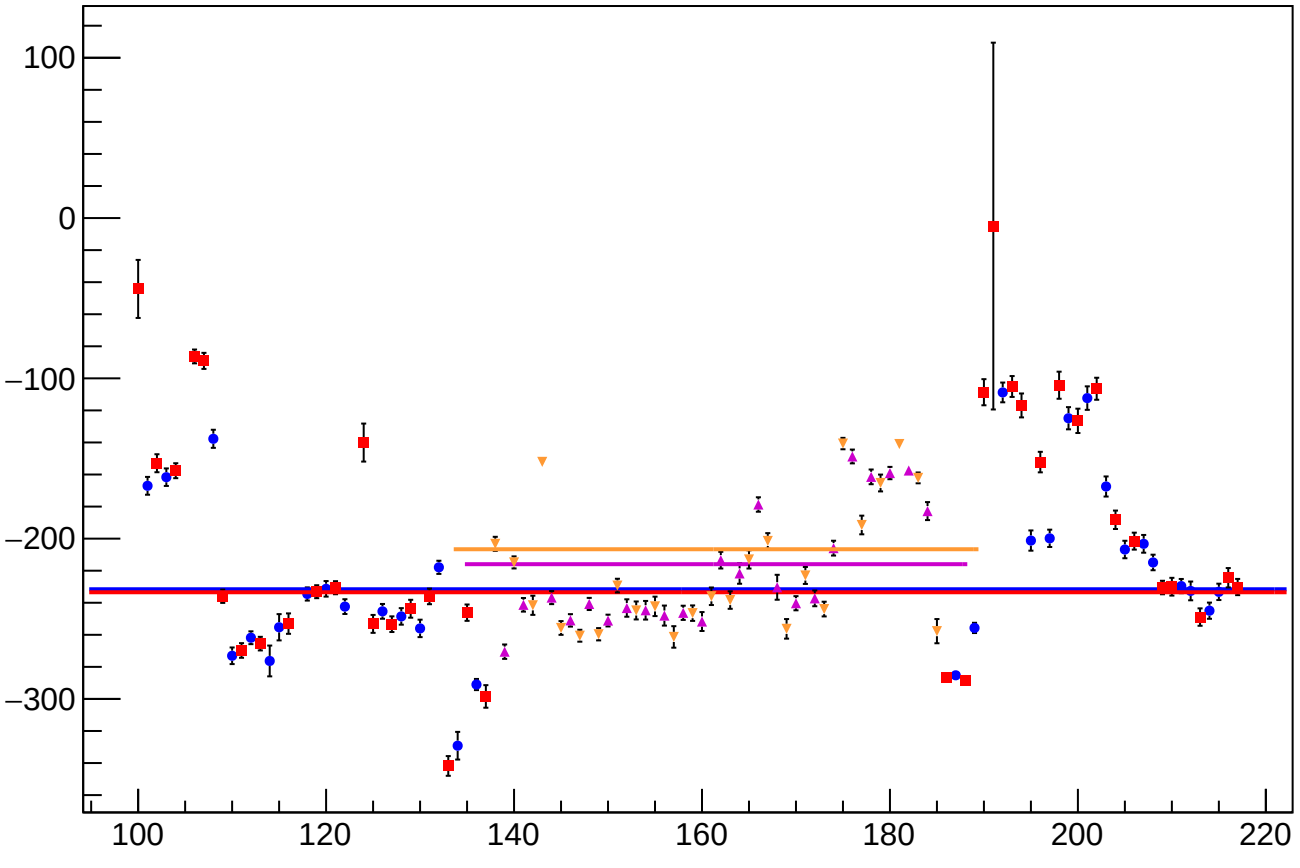
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -6.956+/-0.656 χ^2/NDF: 1859.6/66

In: 1.070+/-0.574 χ^2/NDF:1494.8/53

Out: -1.553+/-0.533 χ^2/NDF:1664.5/60

All: -0.339+/-0.391 χ^2/NDF: 3170.5/114



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: -233.452+/-0.783 χ^2/NDF: 6671.0/35

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

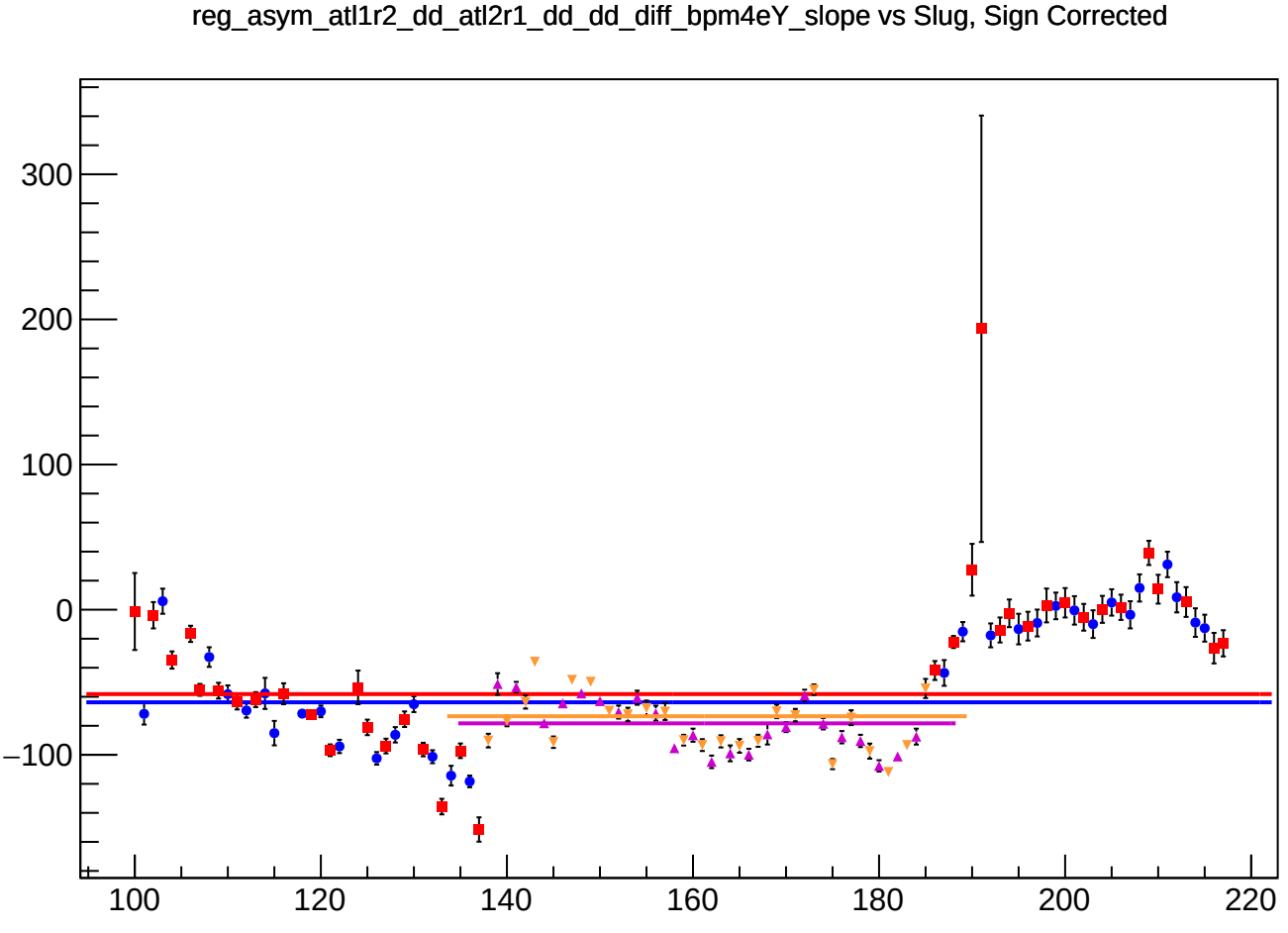
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.633+/-0.588 χ^2/NDF: 9364.2/66

In: -224.243+/-0.648 χ^2/NDF:4547.7/53

Out: -221.810+/-0.589 χ^2/NDF:9648.1/60

All: -222.912+/-0.436 χ^2/NDF: 14203.5/114



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: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

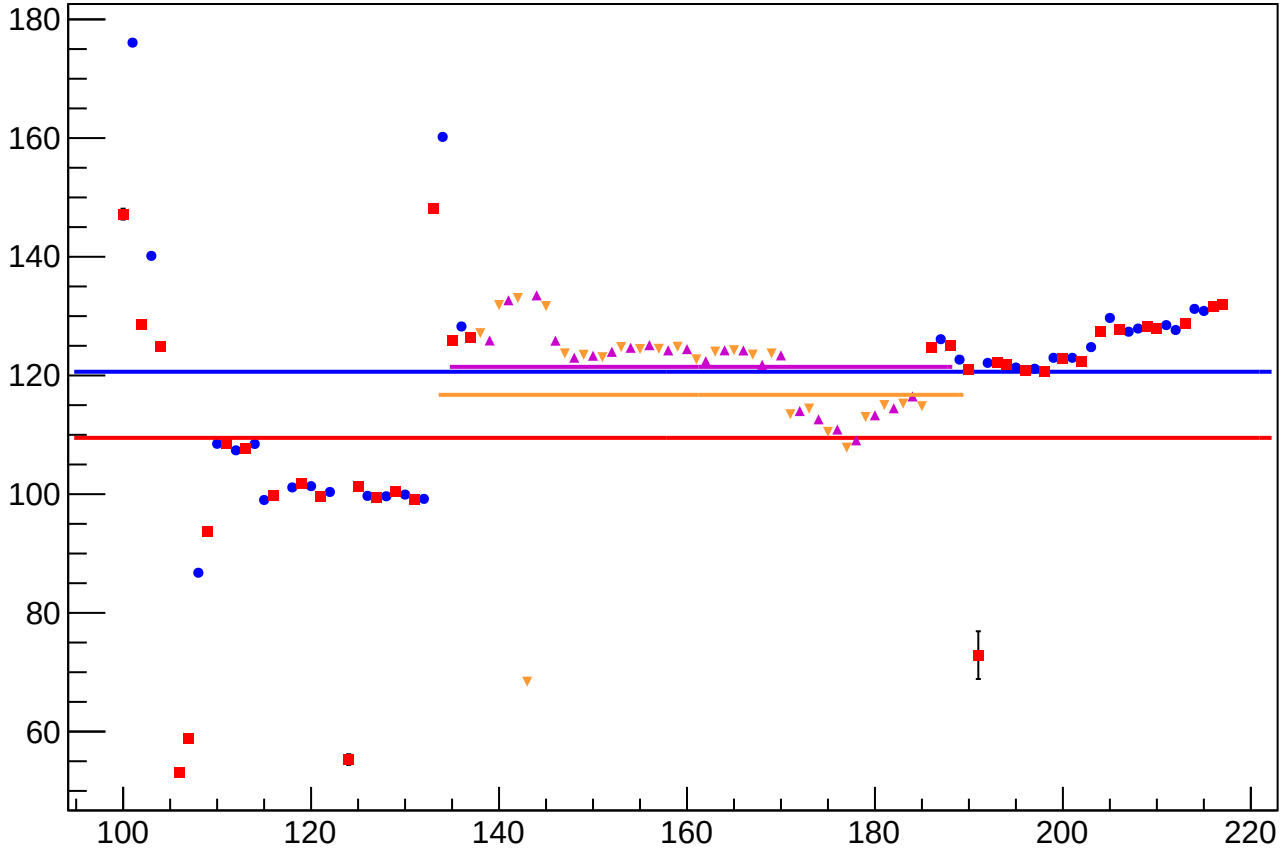
Right: -60.823+/-0.772 χ^2/NDF: 2625.7/66

In: -73.329+/-0.662 χ^2/NDF:1776.7/53

Out: -68.187+/-0.621 χ^2/NDF:2359.9/60

All: -70.597+/-0.453 χ^2/NDF: 4168.7/114

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: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

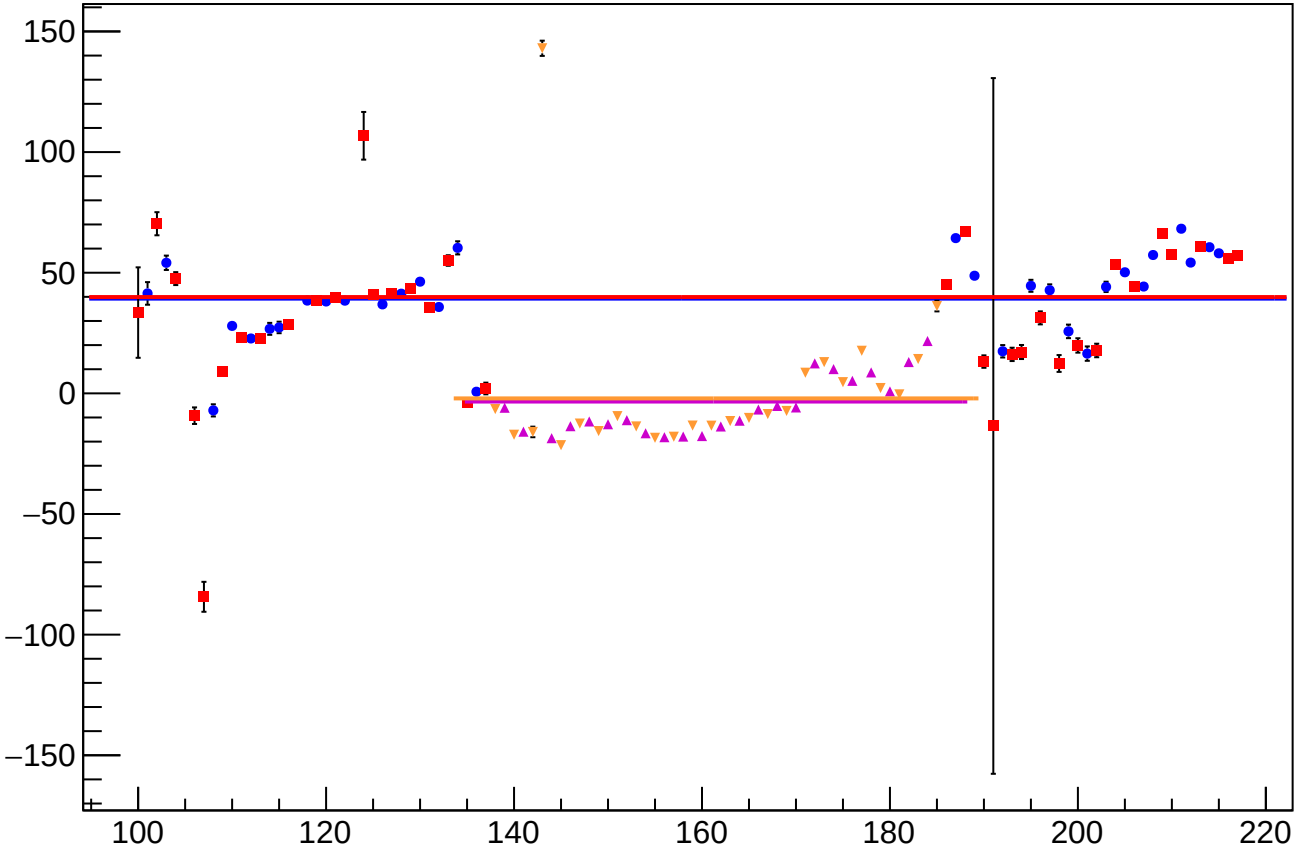
Right: 114.584+/-0.040 χ^2/NDF: 335967.5/66

In: 121.221+/-0.032 χ^2/NDF:128835.4/53

Out: 114.546+/-0.030 χ^2/NDF:432928.3/60

All: 117.706+/-0.022 χ^2/NDF: 585337.0/114

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: 39.908+/-0.286 χ^2/NDF: 5514.1/35

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

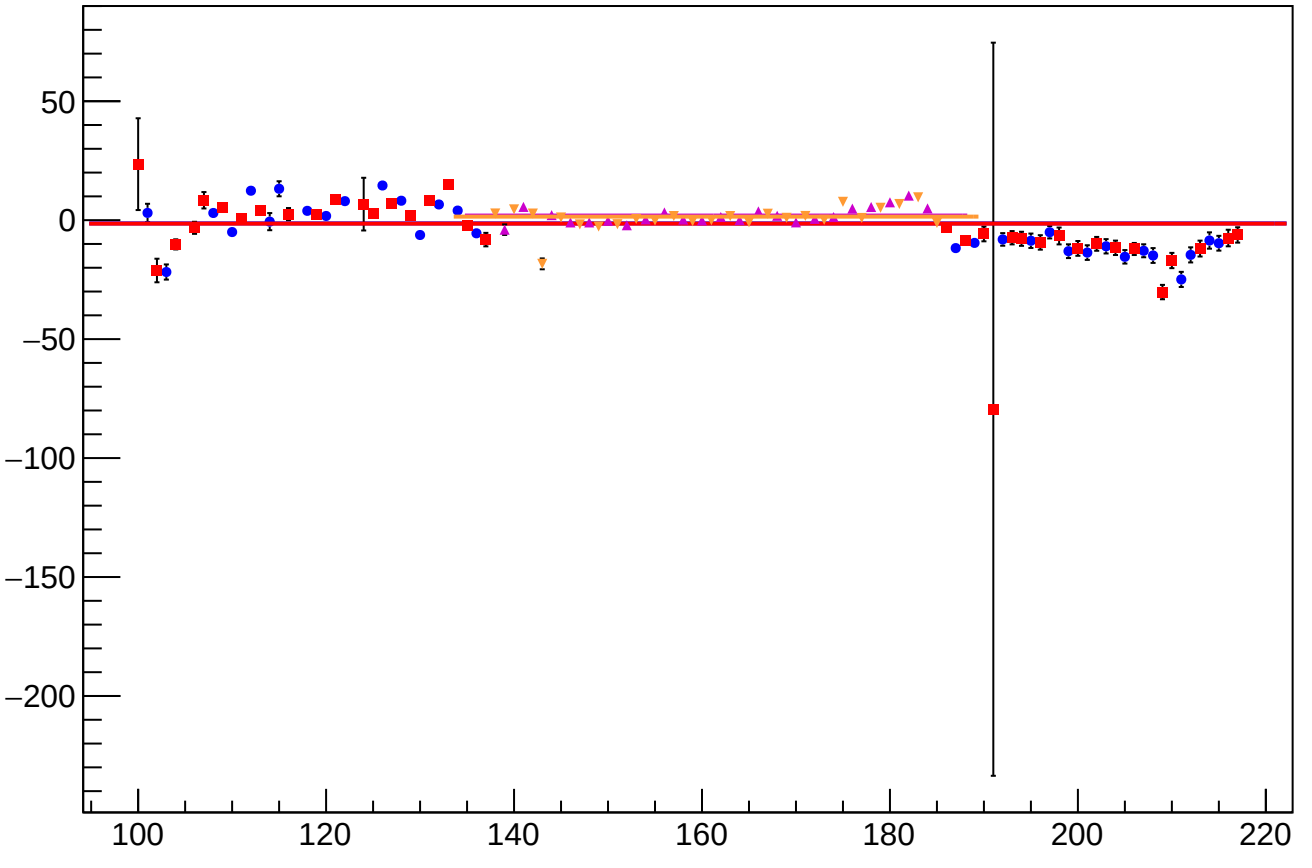
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 39.621+/-0.212 χ^2/NDF: 8827.8/66

In: 14.690+/-0.206 χ^2/NDF:15544.4/53

Out: 17.477+/-0.195 χ^2/NDF:21263.8/60

All: 16.160+/-0.142 χ^2/NDF: 36904.8/114



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: -1.456+/-0.348 χ^2/NDF: 543.9/35

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

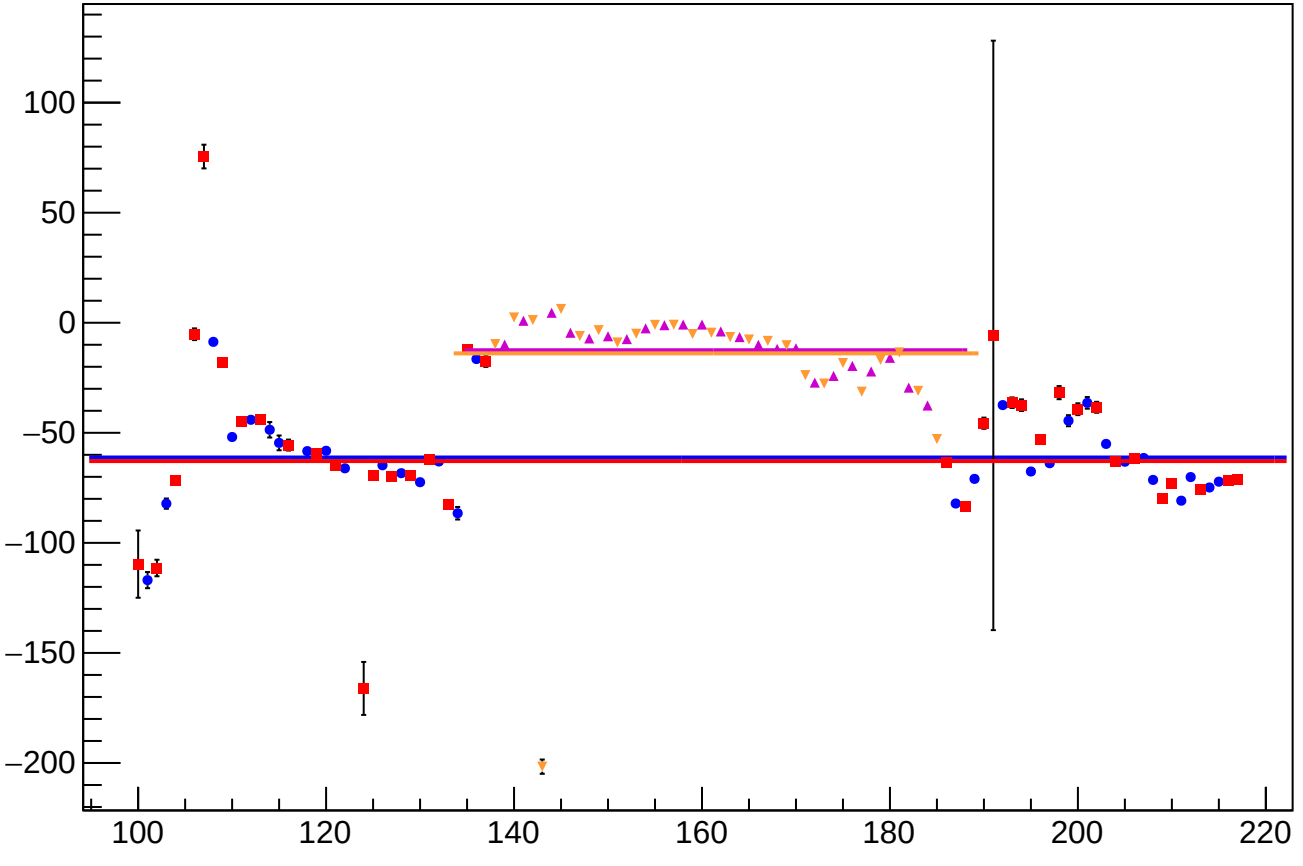
Right: -1.409+/-0.254 χ^2/NDF: 1142.6/66

In: 1.134+/-0.183 χ^2/NDF:898.7/53

Out: 0.730+/-0.177 χ^2/NDF:925.7/60

All: 0.924+/-0.127 χ^2/NDF: 1826.9/114

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: -62.843+/-0.284 χ^2/NDF: 5714.5/35

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

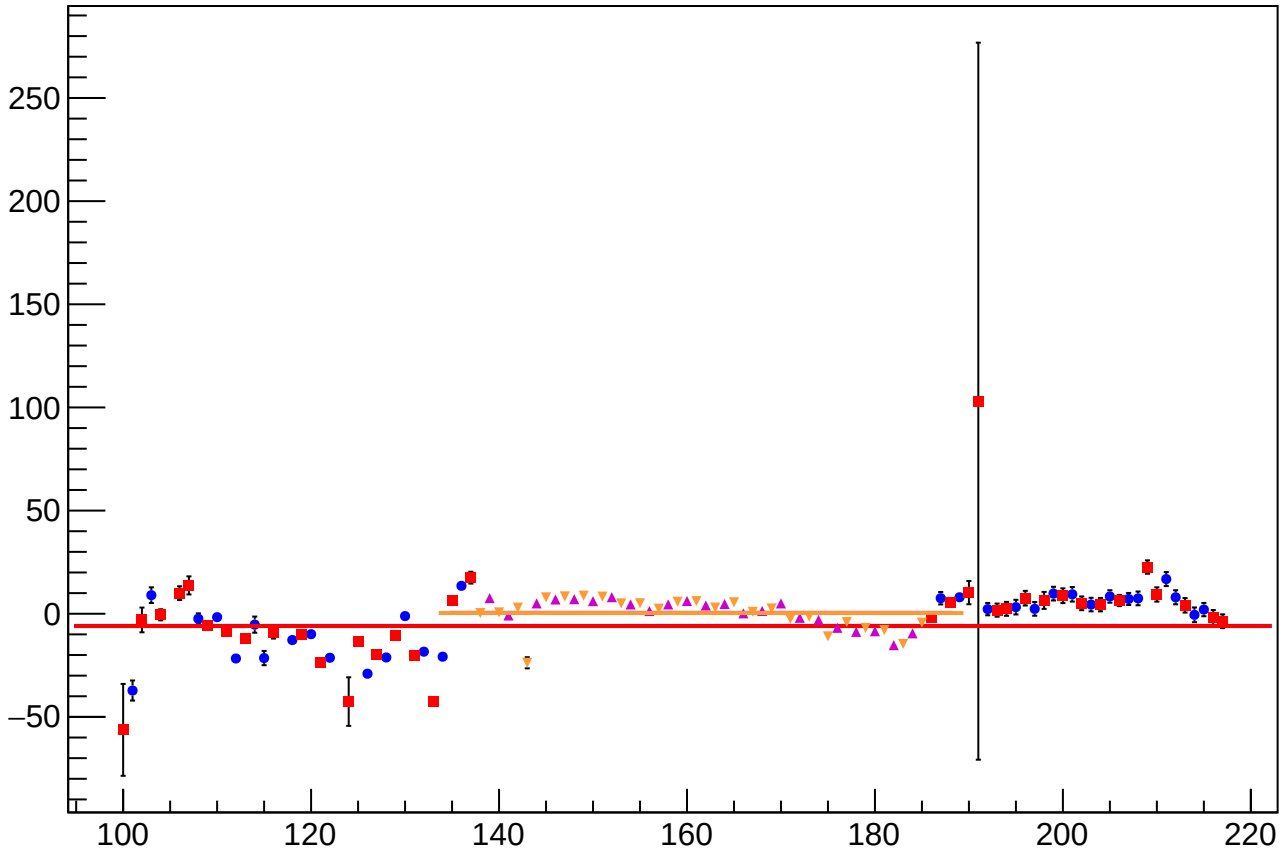
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -62.149+/-0.215 χ^2/NDF: 9393.4/66

In: -32.033+/-0.208 χ^2/NDF:18282.8/53

Out: -36.618+/-0.194 χ^2/NDF:26703.3/60

All: -34.487+/-0.142 χ^2/NDF: 45246.3/114



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: -5.966+/-0.415 χ^2/NDF: 1051.9/35

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

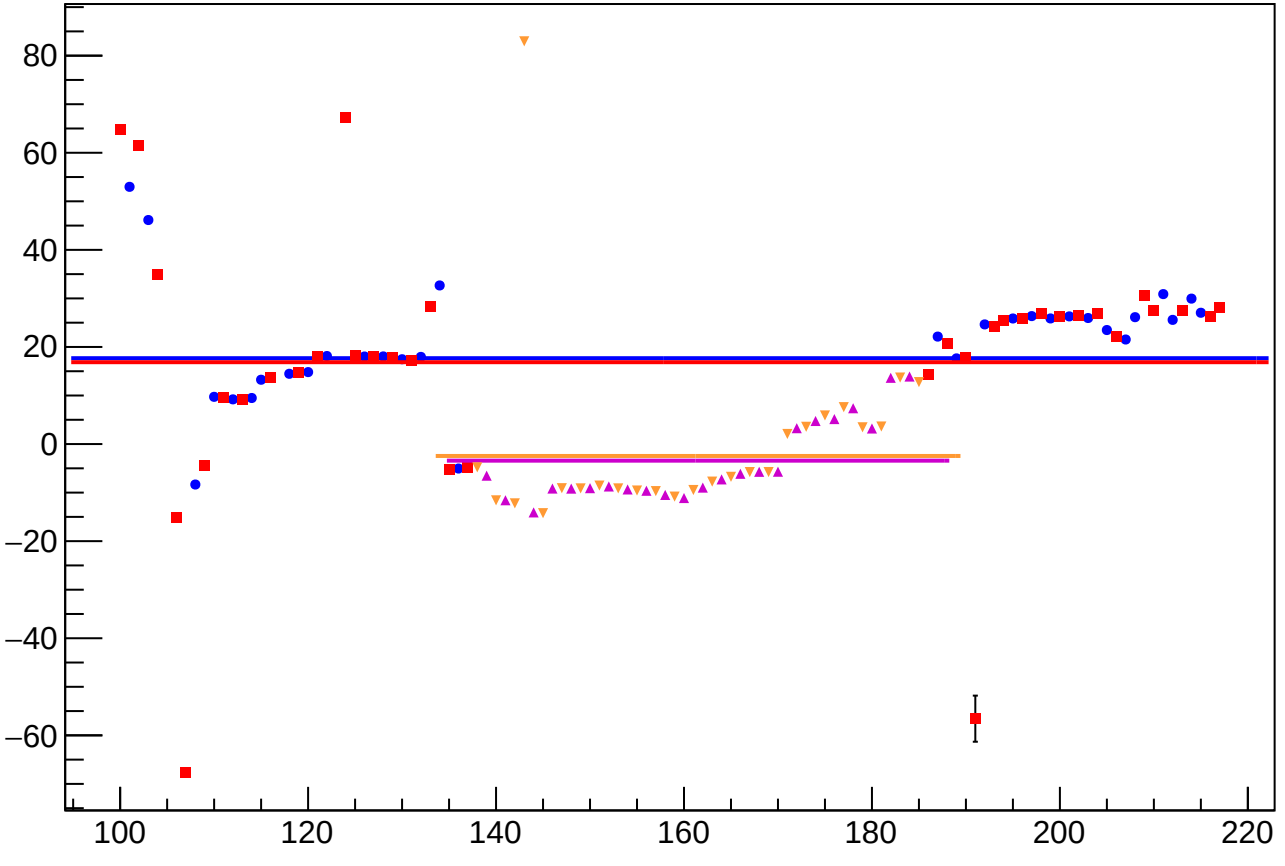
Right: -5.937+/-0.298 χ^2/NDF: 2061.9/66

In: -1.042+/-0.207 χ^2/NDF:1959.1/53

Out: -1.152+/-0.202 χ^2/NDF:2150.3/60

All: -1.098+/-0.145 χ^2/NDF: 4109.5/114

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: 16.862+/-0.022 χ^2/NDF: 580968.4/35

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

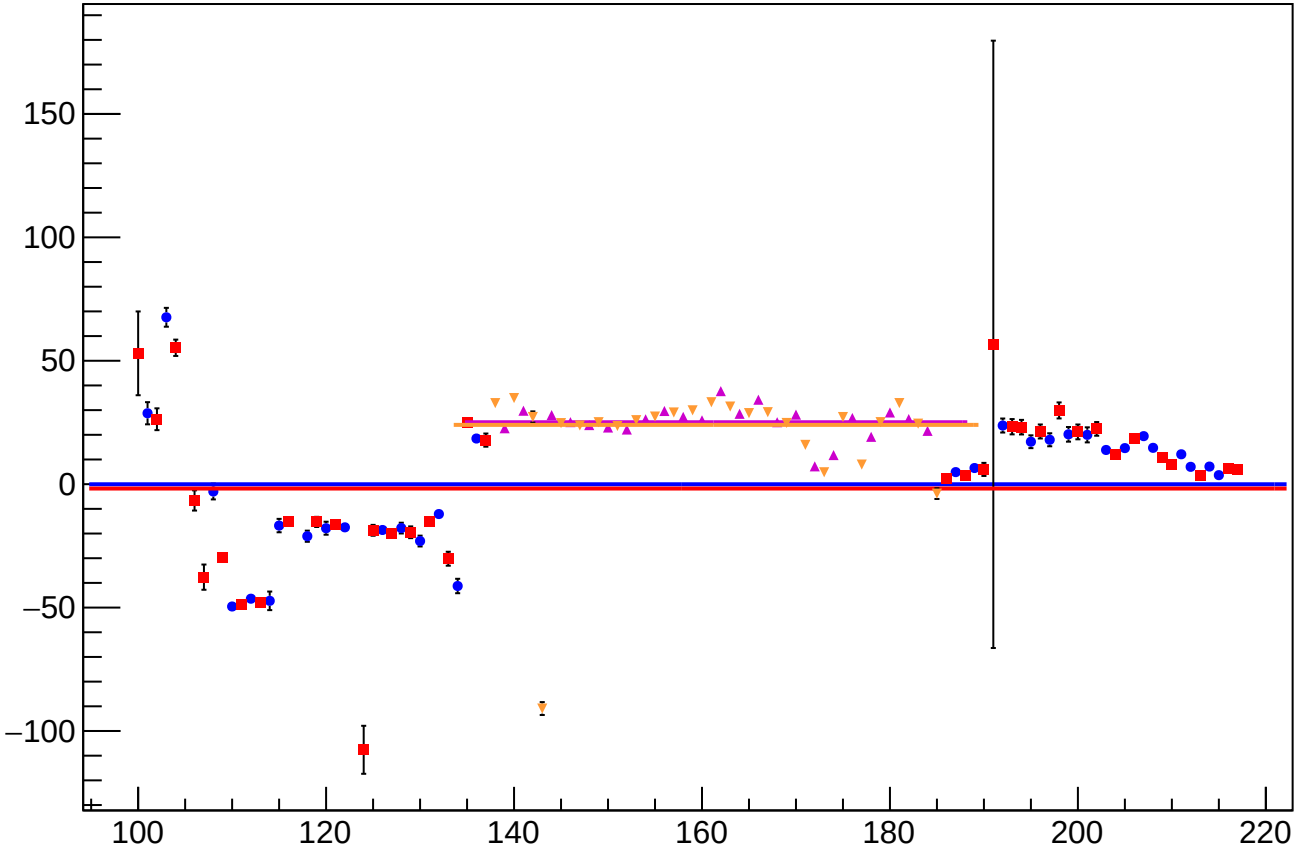
Right: 17.270+/-0.015 χ^2/NDF: 1037031.7/66

In: 0.538+/-0.009 χ^2/NDF:1768141.2/53

Out: 1.168+/-0.009 χ^2/NDF:2195098.7/60

All: 0.856+/-0.007 χ^2/NDF: 3965495.2/114

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.767+/-0.337 χ^2/NDF: 3941.8/35

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

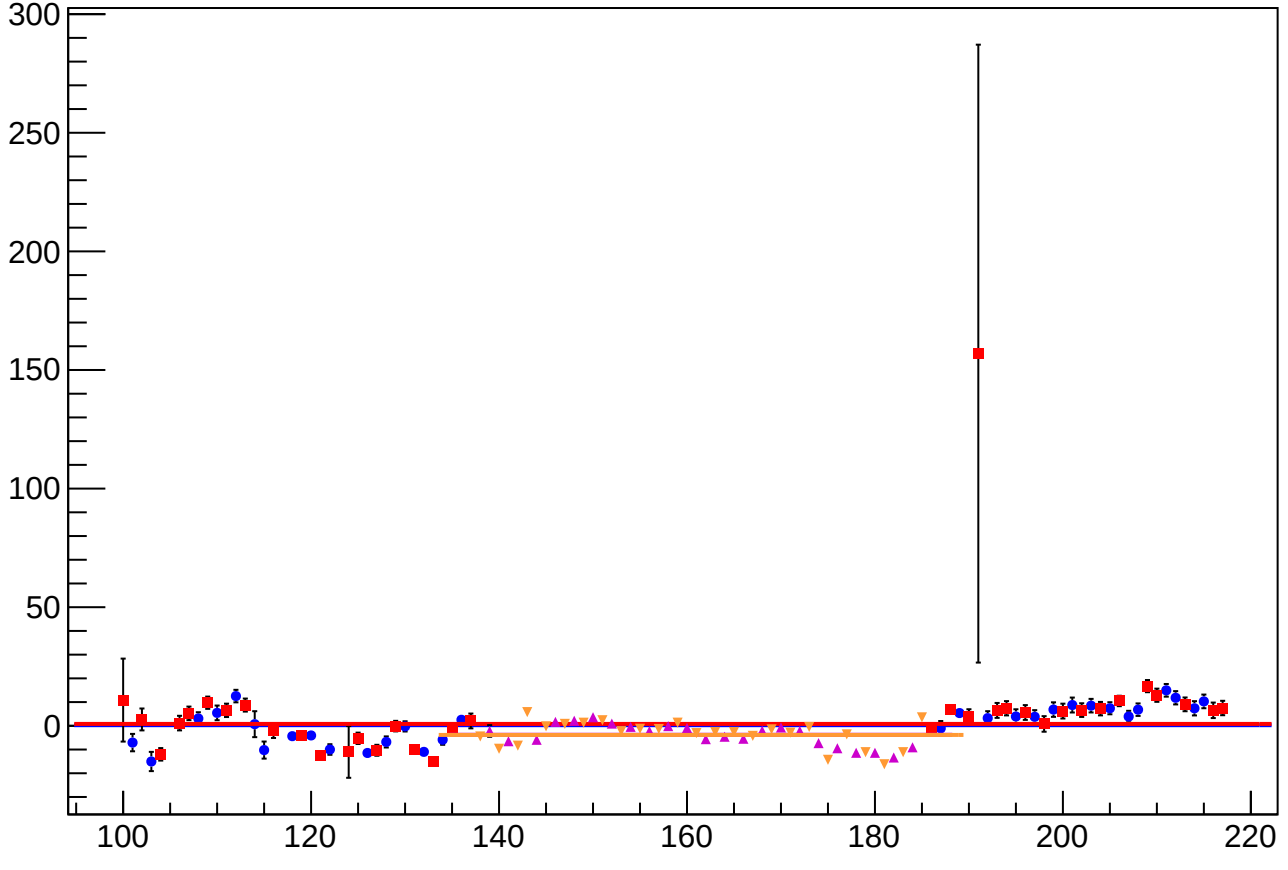
Right: -0.949+/-0.245 χ^2/NDF: 7665.2/66

In: 15.158+/-0.223 χ^2/NDF:7231.7/53

Out: 13.415+/-0.216 χ^2/NDF:10184.8/60

All: 14.259+/-0.155 χ^2/NDF: 17448.0/114

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: 0.798+/-0.420 χ^2/NDF: 363.6/35

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

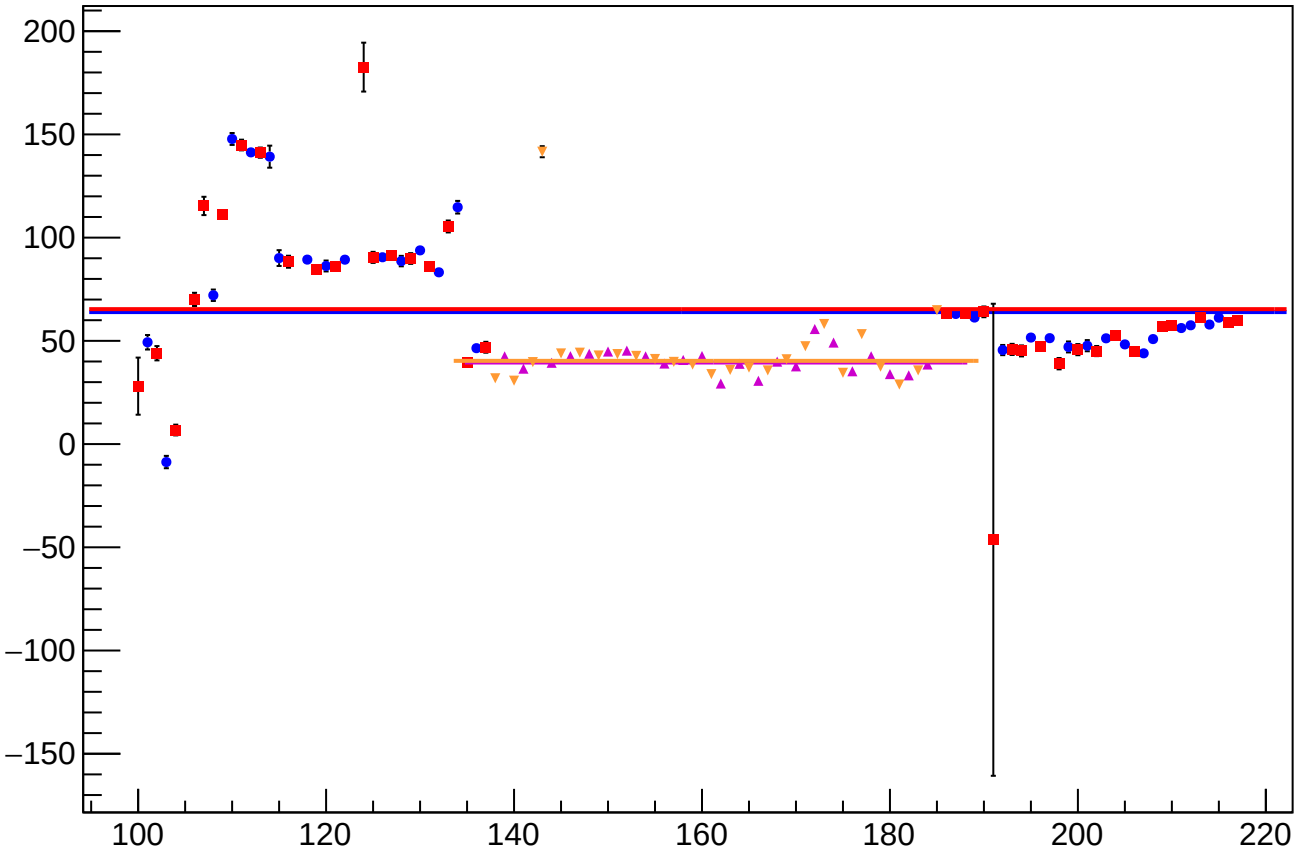
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.542+/-0.302 χ^2/NDF: 650.9/66

In: -2.937+/-0.199 χ^2/NDF:864.5/53

Out: -2.861+/-0.193 χ^2/NDF:1109.3/60

All: -2.898+/-0.139 χ^2/NDF: 1973.9/114



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: 65.360+/-0.340 χ^2/NDF: 4856.7/35

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

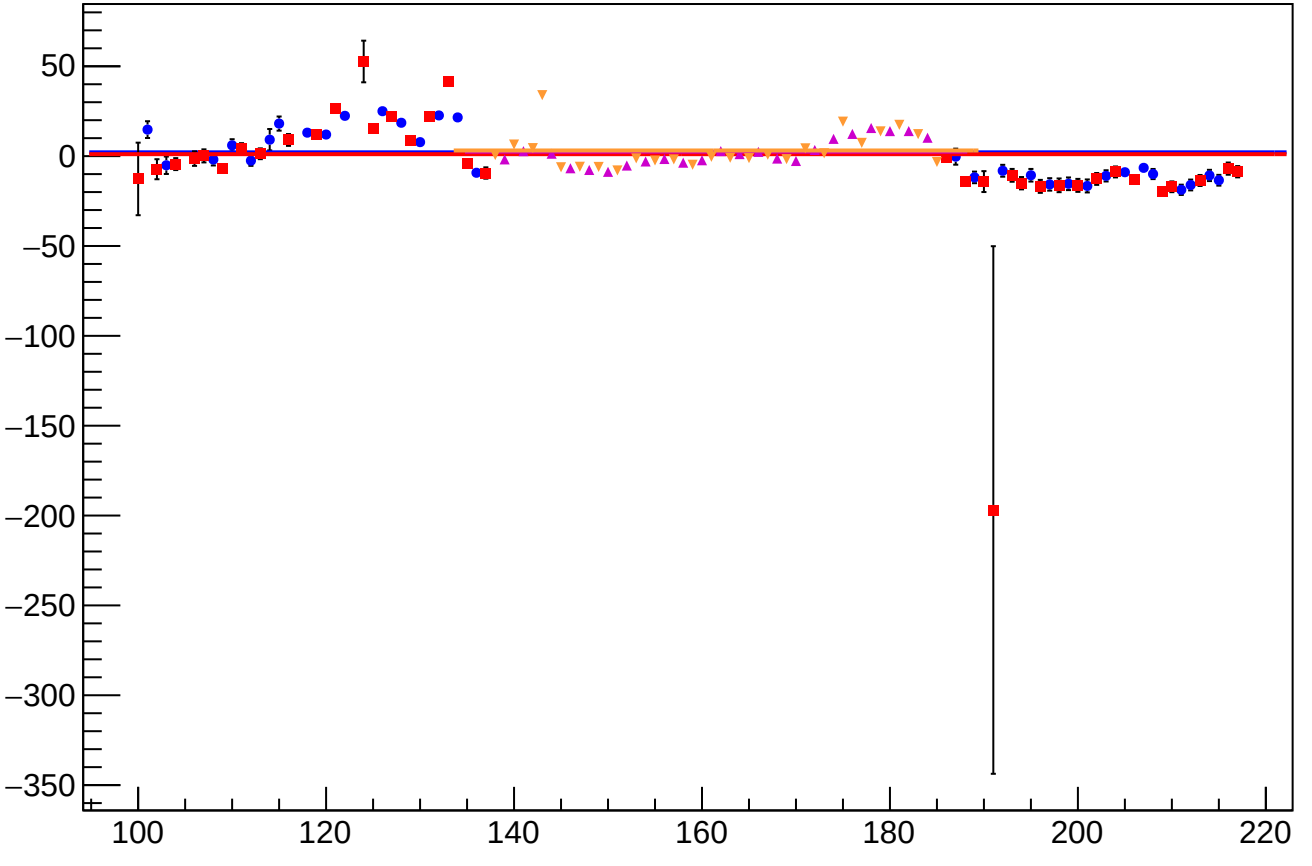
Right: 64.701+/-0.249 χ^2/NDF: 9543.0/66

In: 48.696+/-0.225 χ^2/NDF:7880.6/53

Out: 50.438+/-0.216 χ^2/NDF:10269.8/60

All: 49.601+/-0.156 χ^2/NDF: 18181.7/114

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 1.091+/-0.490 χ^2/NDF: 1042.2/35

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

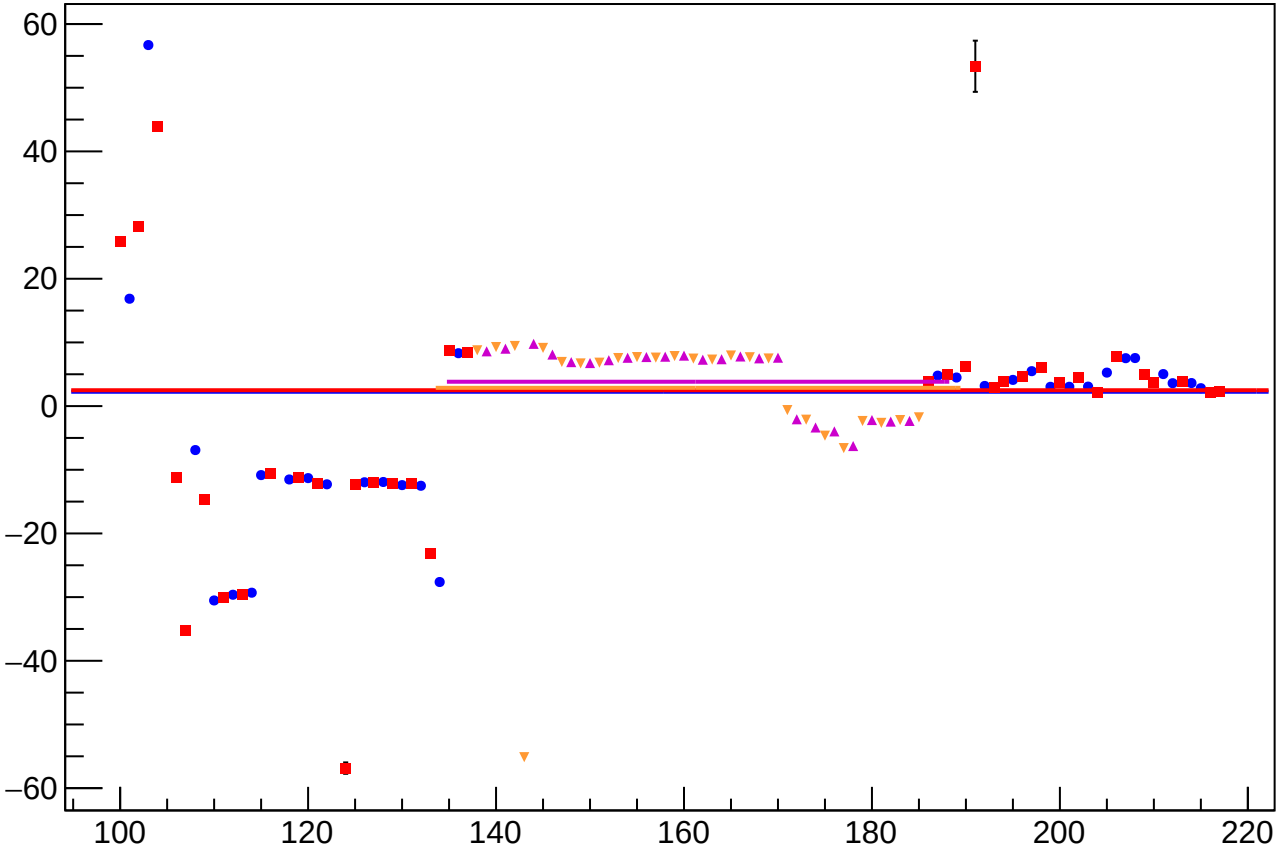
Right: 1.595+/-0.348 χ^2/NDF: 1894.7/66

In: 2.436+/-0.224 χ^2/NDF:1819.0/53

Out: 2.730+/-0.219 χ^2/NDF:2323.2/60

All: 2.586+/-0.157 χ^2/NDF: 4143.2/114

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: 2.490+/-0.024 χ^2/NDF: 330761.8/35

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

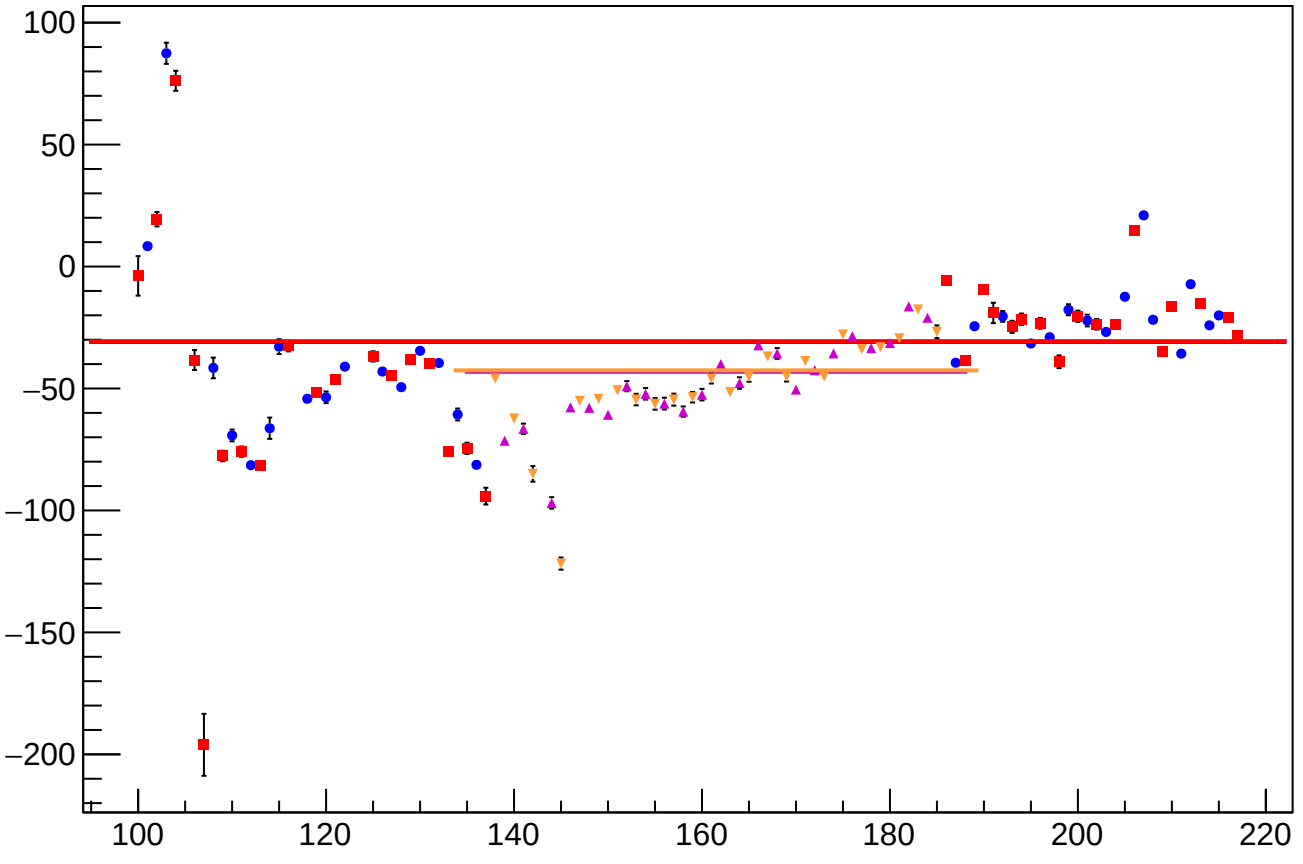
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.371+/-0.017 χ^2/NDF: 713827.4/66

In: 3.539+/-0.010 χ^2/NDF:619886.1/53

Out: 2.802+/-0.010 χ^2/NDF:843306.3/60

All: 3.168+/-0.007 χ^2/NDF: 1465909.7/114



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: -30.603+/-0.301 χ^2/NDF: 6554.9/34

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

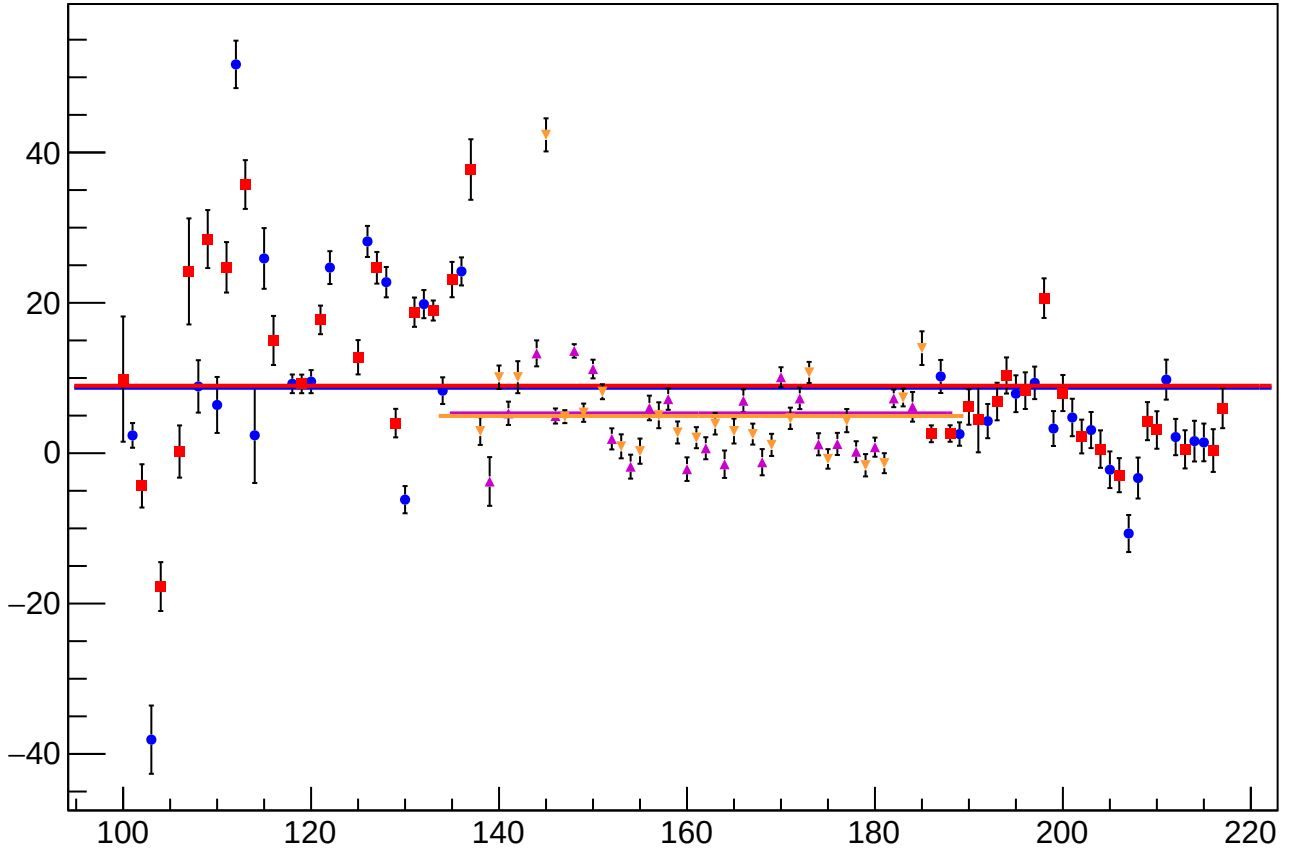
Right: -30.728+/-0.221 χ^2/NDF: 11983.8/65

In: -36.065+/-0.248 χ^2/NDF:8232.8/53

Out: -35.246+/-0.236 χ^2/NDF:9492.5/58

All: -35.635+/-0.171 χ^2/NDF: 17731.0/112

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: 8.975+/-0.369 χ^2/NDF: 642.4/34

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

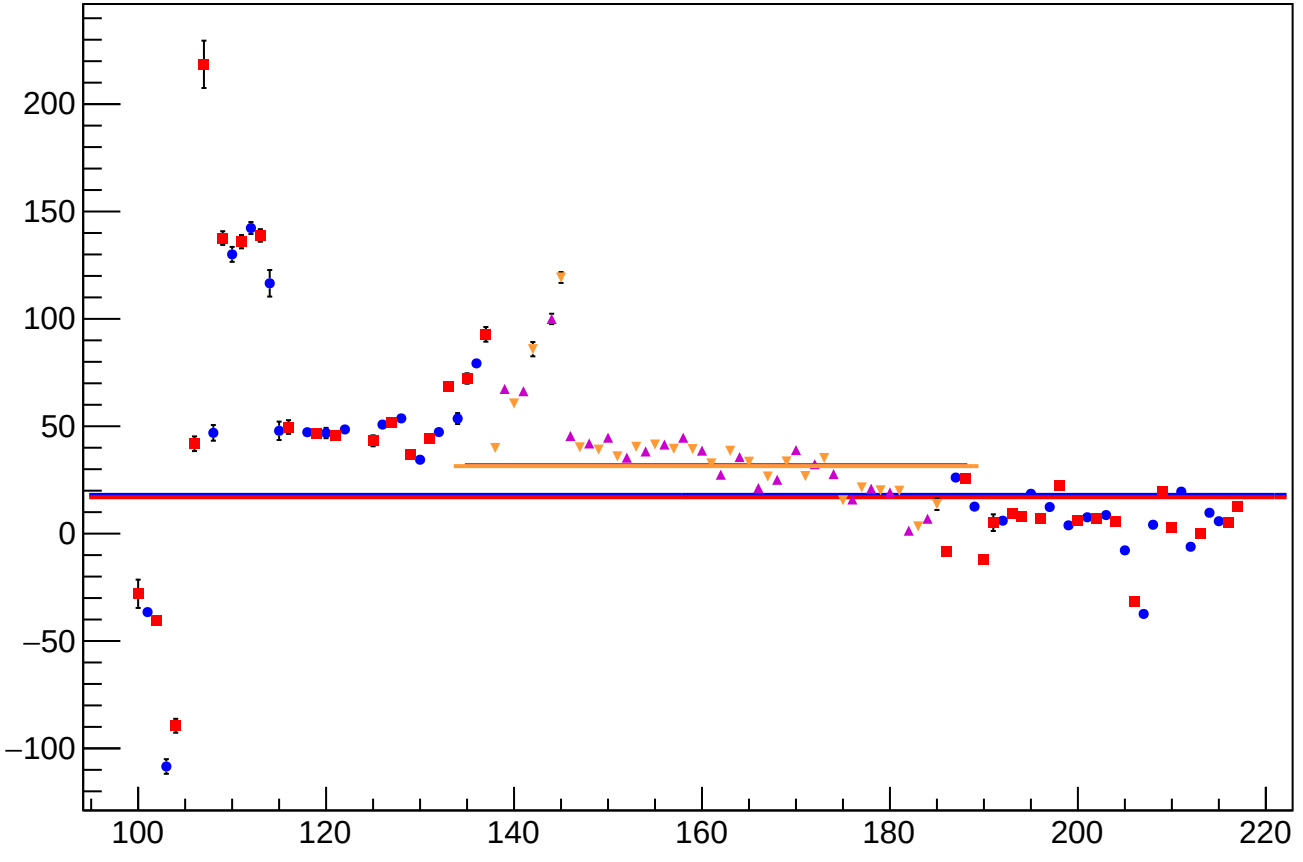
Right: 8.848+/-0.269 χ^2/NDF: 1490.0/65

In: 6.522+/-0.235 χ^2/NDF:1182.2/53

Out: 6.479+/-0.227 χ^2/NDF:1165.1/58

All: 6.500+/-0.163 χ^2/NDF: 2347.4/112

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 16.956+/-0.290 χ^2/NDF: 12892.3/34

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

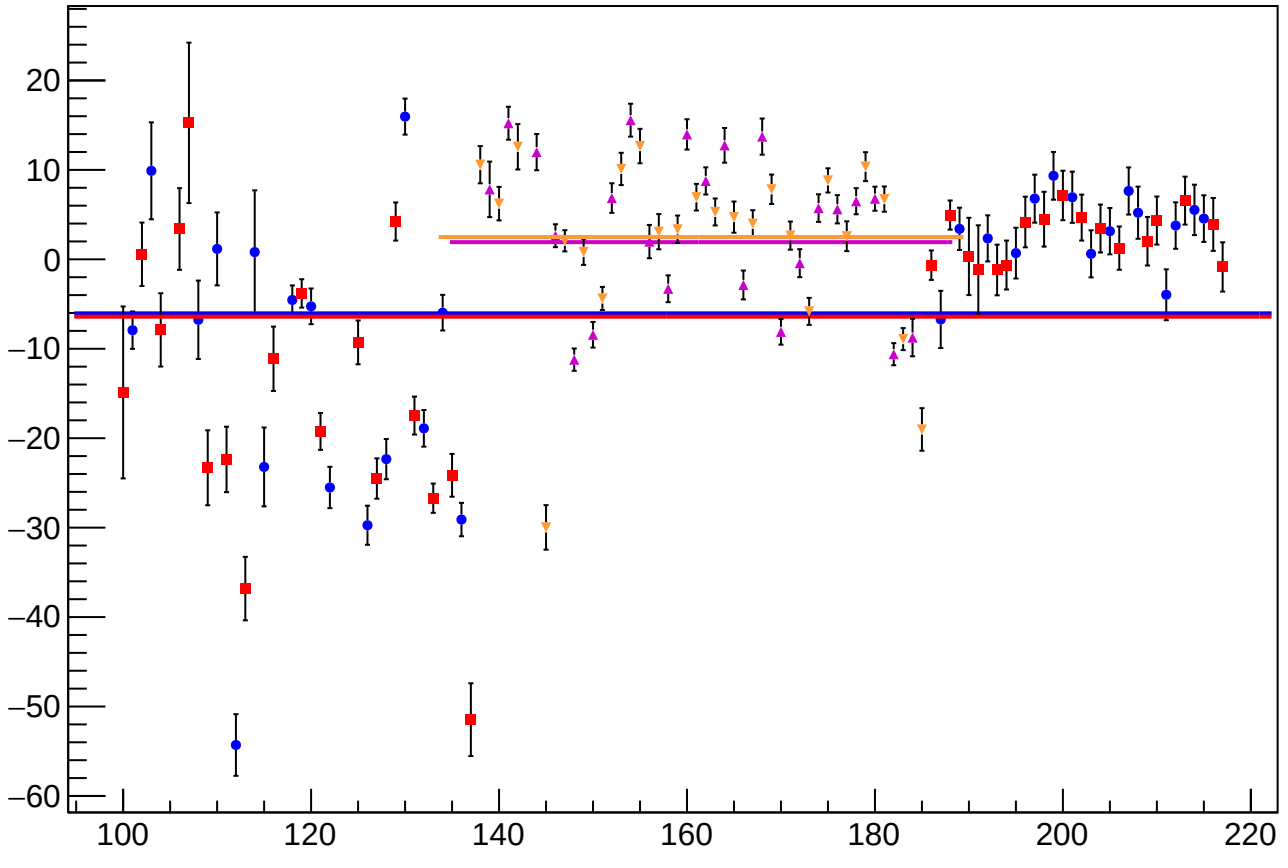
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 17.441+/-0.217 χ^2/NDF: 24040.9/65

In: 23.971+/-0.247 χ^2/NDF:14676.6/53

Out: 22.375+/-0.230 χ^2/NDF:16585.1/58

All: 23.115+/-0.168 χ^2/NDF: 31284.1/112



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: -6.410+/-0.442 χ^2/NDF: 846.6/34

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

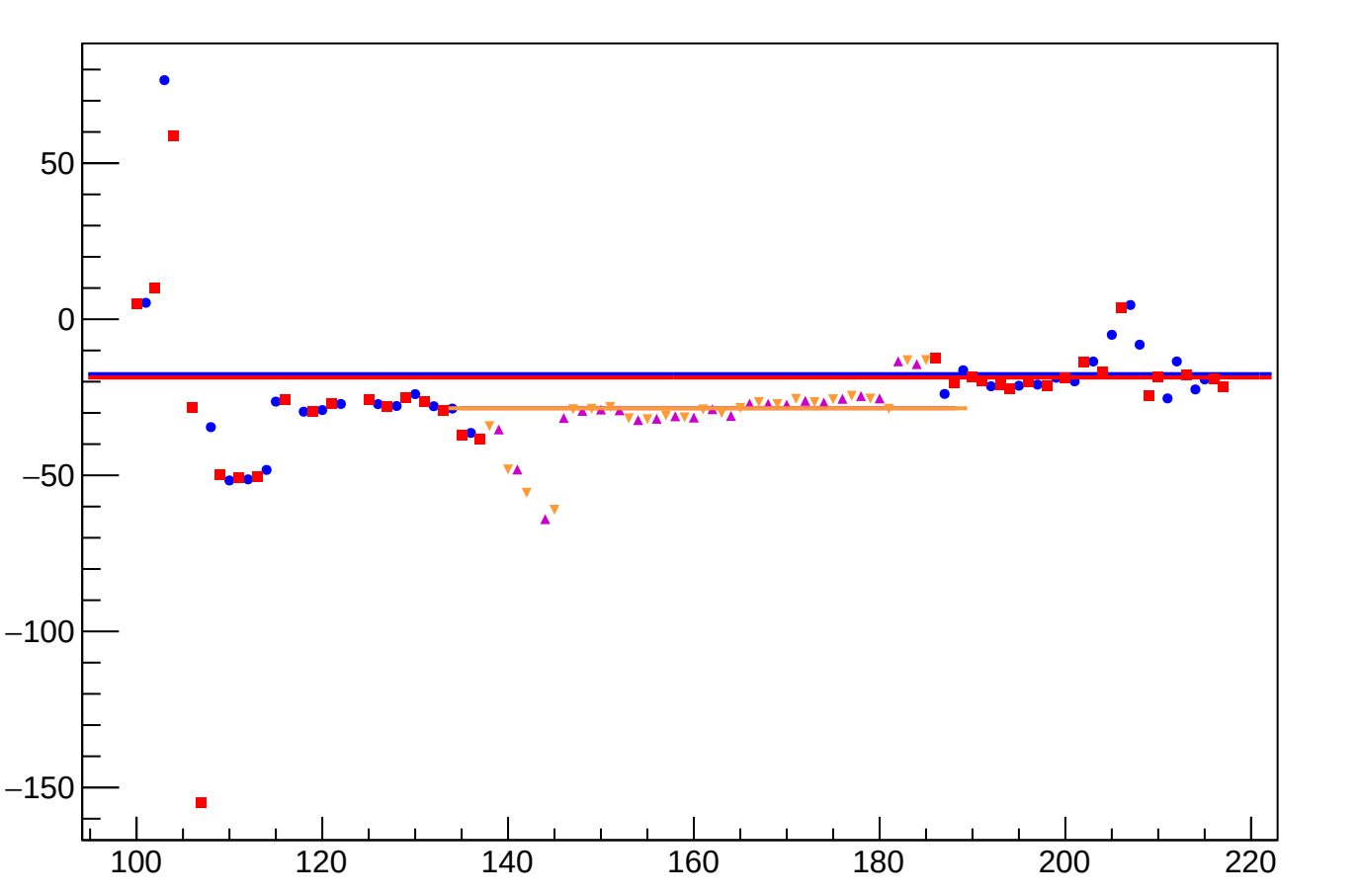
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -6.230+/-0.317 χ^2/NDF: 1842.9/65

In: -0.846+/-0.268 χ^2/NDF:1874.6/53

Out: -0.655+/-0.263 χ^2/NDF:1668.0/58

All: -0.749+/-0.188 χ^2/NDF: 3542.9/112



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: -18.676+/-0.021 χ^2/NDF: 625722.6/34

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

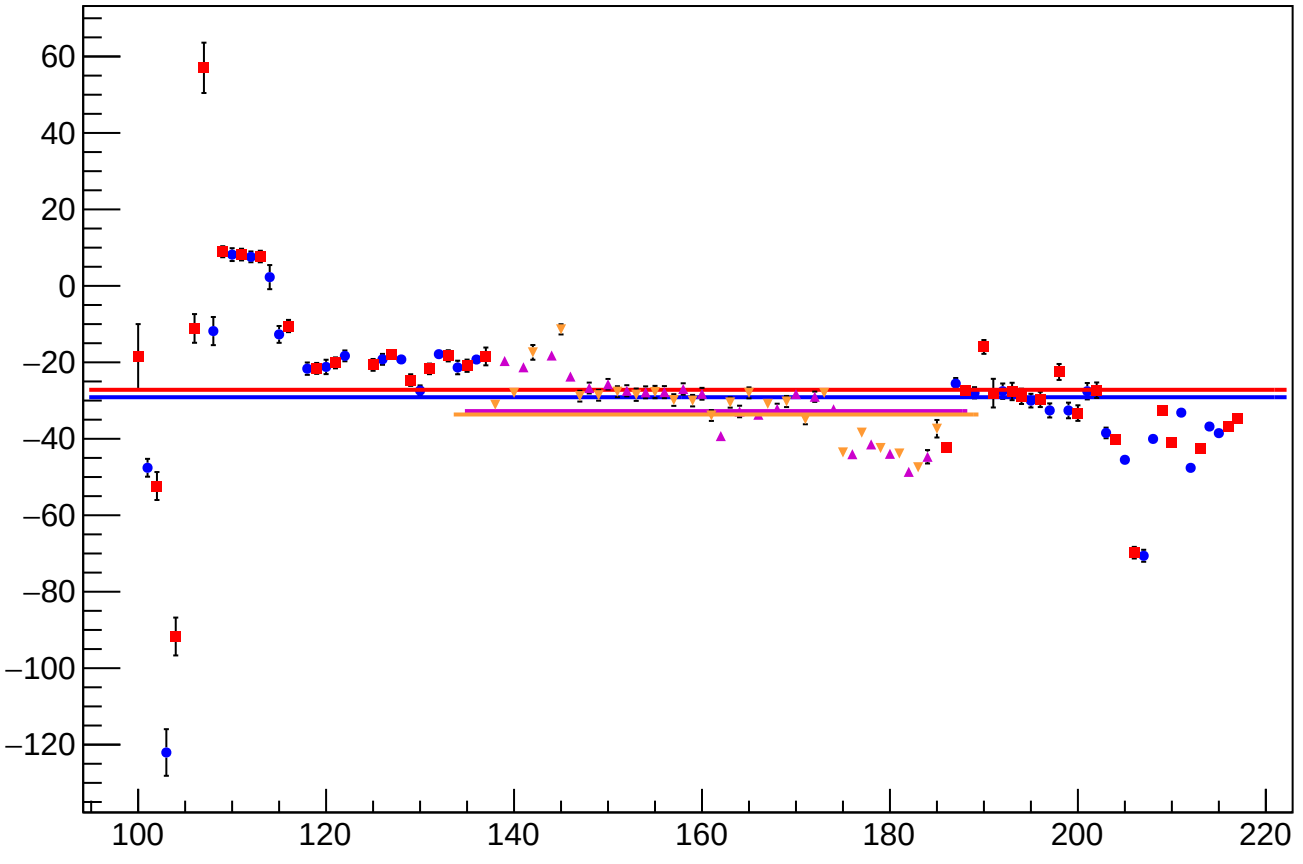
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -18.138+/-0.015 χ^2/NDF: 1359527.6/65

In: -24.939+/-0.012 χ^2/NDF:1197321.2/53

Out: -25.209+/-0.012 χ^2/NDF:1108595.5/58

All: -25.076+/-0.009 χ^2/NDF: 2306164.7/112



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: -27.185+/-0.256 χ^2/NDF: 4016.3/34

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

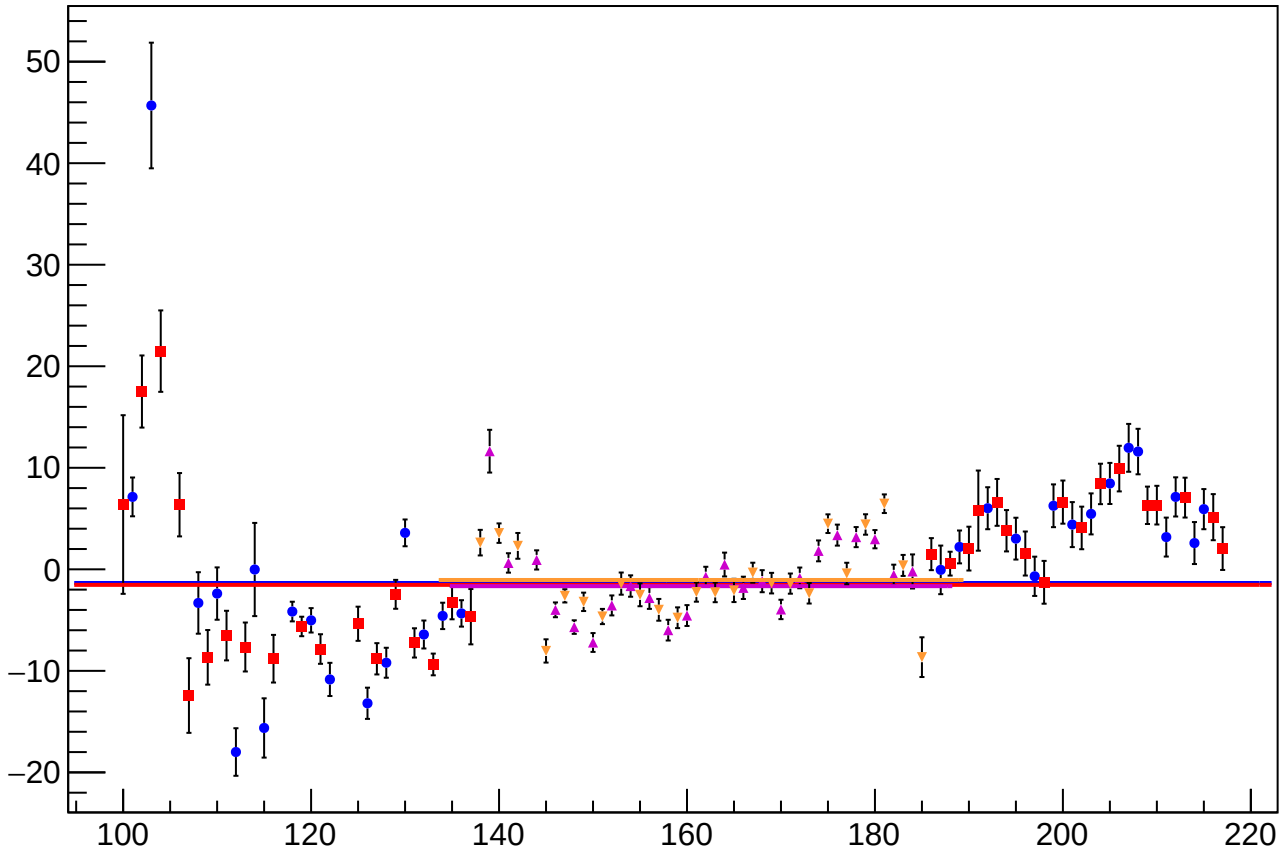
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -28.126+/-0.184 χ^2/NDF: 7526.9/65

In: -30.903+/-0.188 χ^2/NDF:4718.9/53

Out: -30.297+/-0.184 χ^2/NDF:5339.7/58

All: -30.594+/-0.132 χ^2/NDF: 10063.9/112



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: -1.530+/-0.315 χ^2/NDF: 414.8/34

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

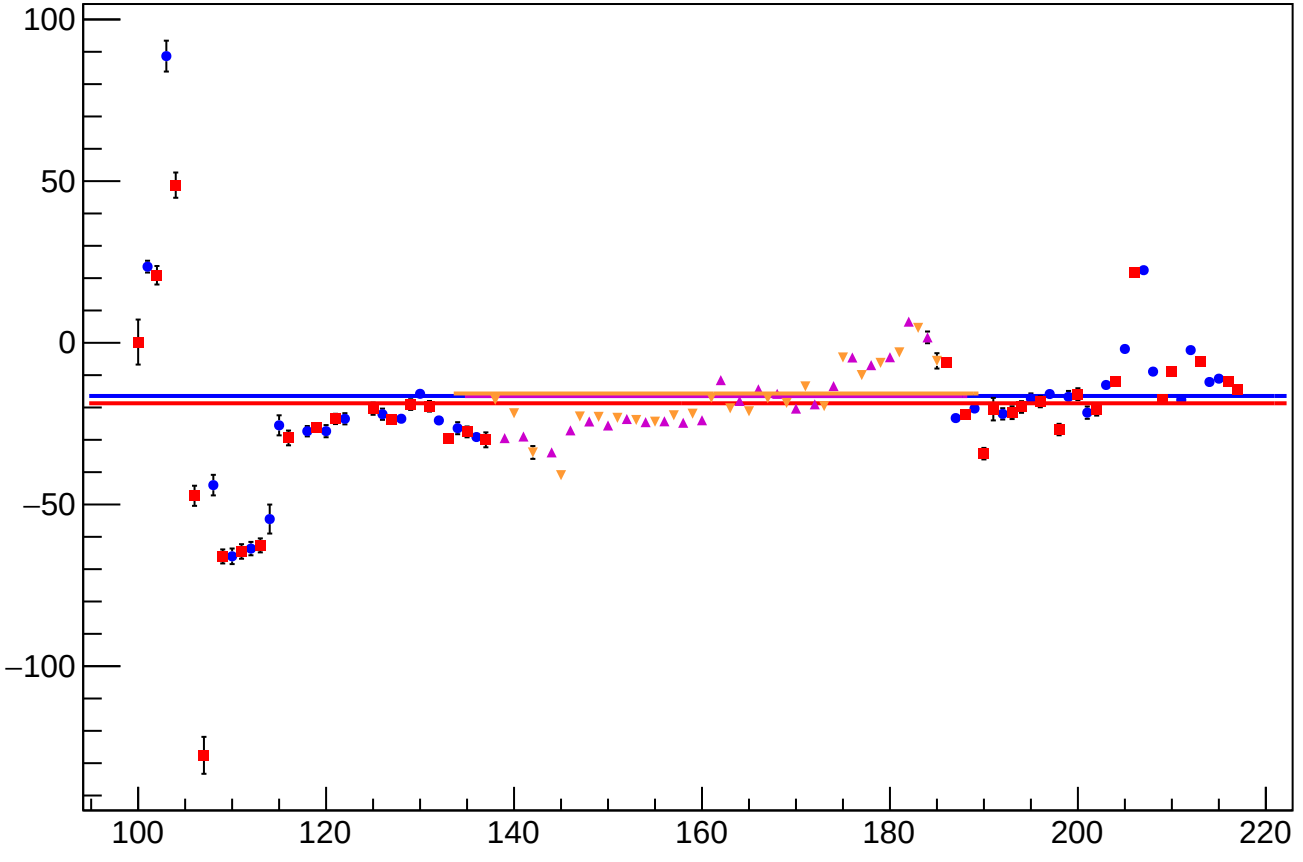
Right: -1.440+/-0.224 χ^2/NDF: 930.1/65

In: -1.566+/-0.173 χ^2/NDF:780.2/53

Out: -1.191+/-0.171 χ^2/NDF:705.8/58

All: -1.375+/-0.122 χ^2/NDF: 1488.4/112

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: -18.699+/-0.261 χ^2/NDF: 3763.8/34

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

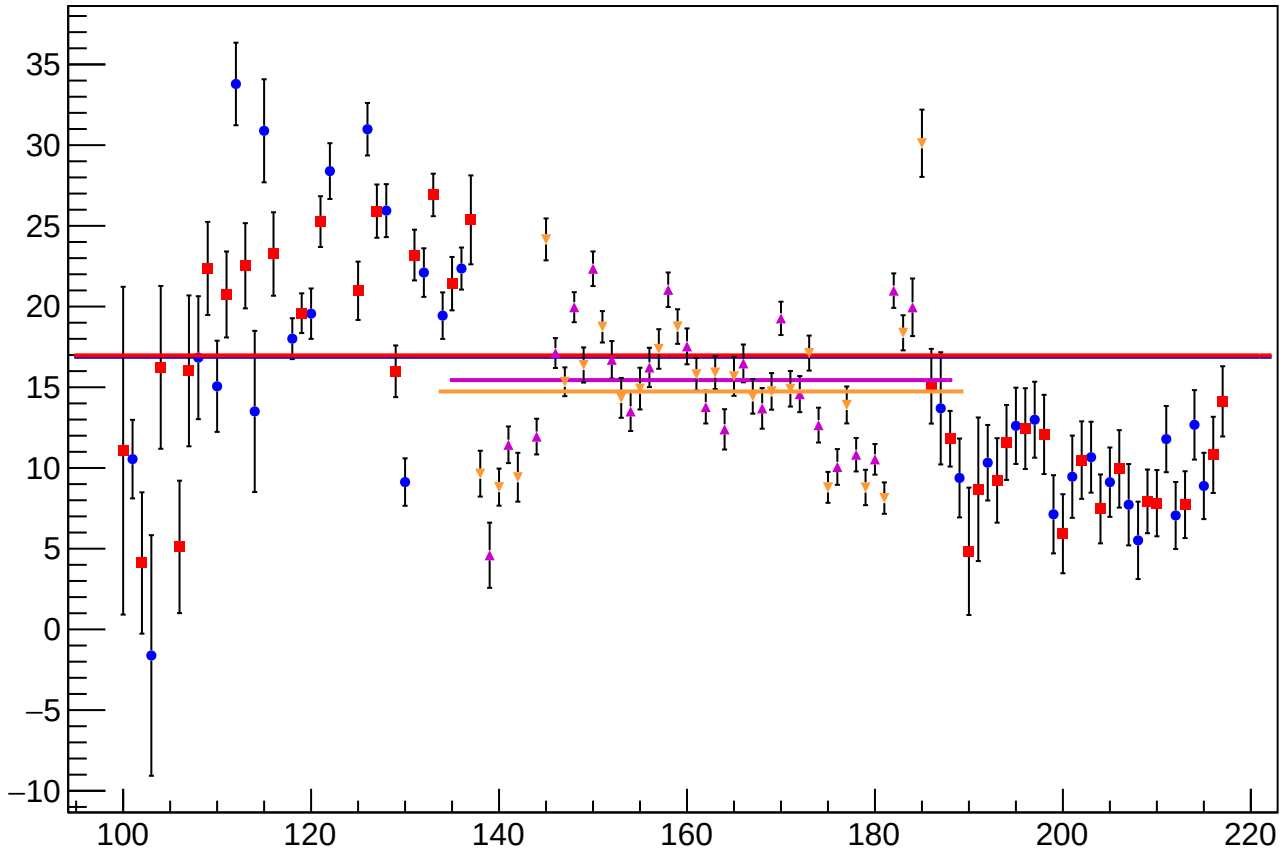
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -17.622+/-0.189 χ^2/NDF: 7275.3/65

In: -16.459+/-0.191 χ^2/NDF:5173.3/53

Out: -17.201+/-0.185 χ^2/NDF:5351.4/58

All: -16.841+/-0.133 χ^2/NDF: 10532.5/112



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: 16.975+/-0.365 χ^2/NDF: 358.8/34

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

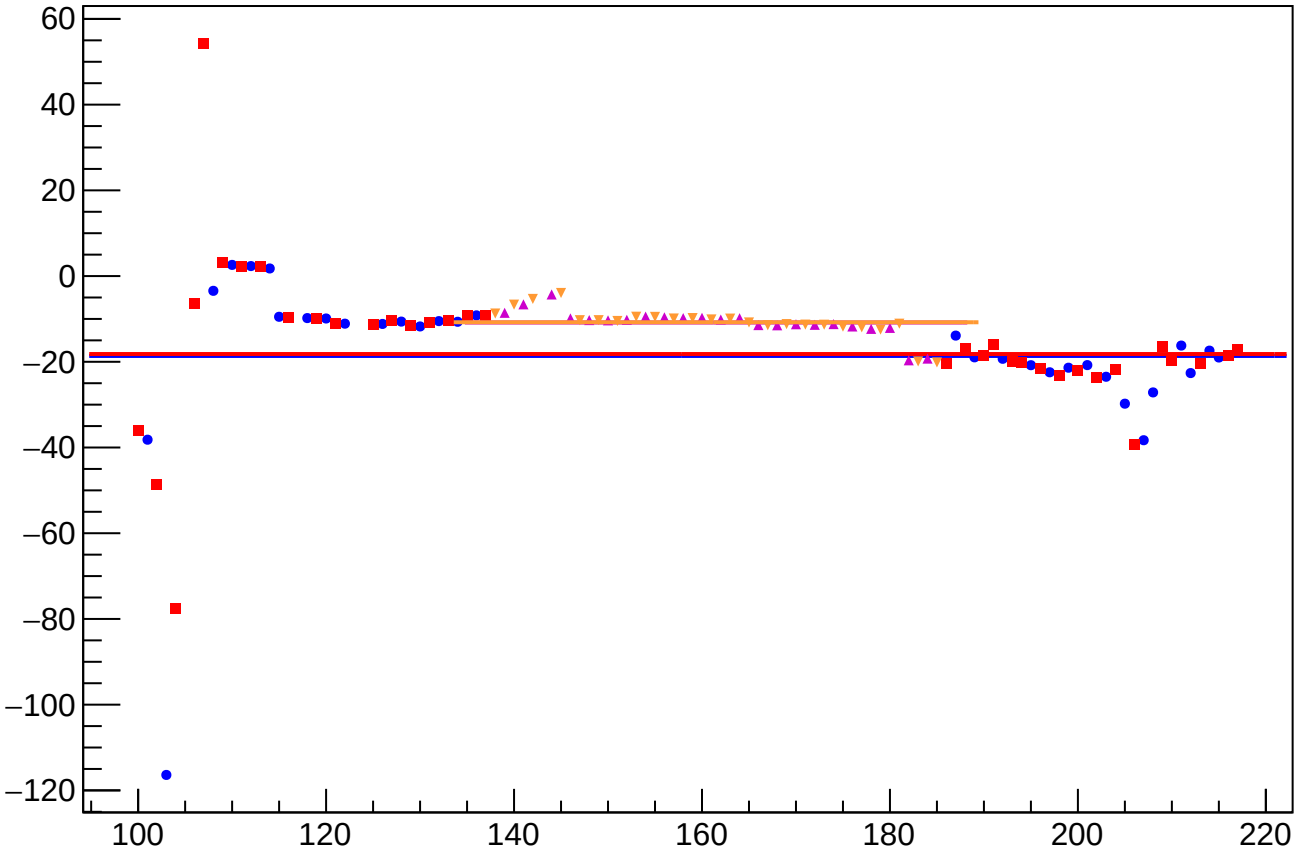
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 16.931+/-0.258 χ^2/NDF: 803.0/65

In: 15.864+/-0.196 χ^2/NDF:745.8/53

Out: 15.374+/-0.194 χ^2/NDF:716.6/58

All: 15.616+/-0.138 χ^2/NDF: 1465.6/112



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: -18.190+/-0.018 χ^2/NDF: 433329.1/34

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

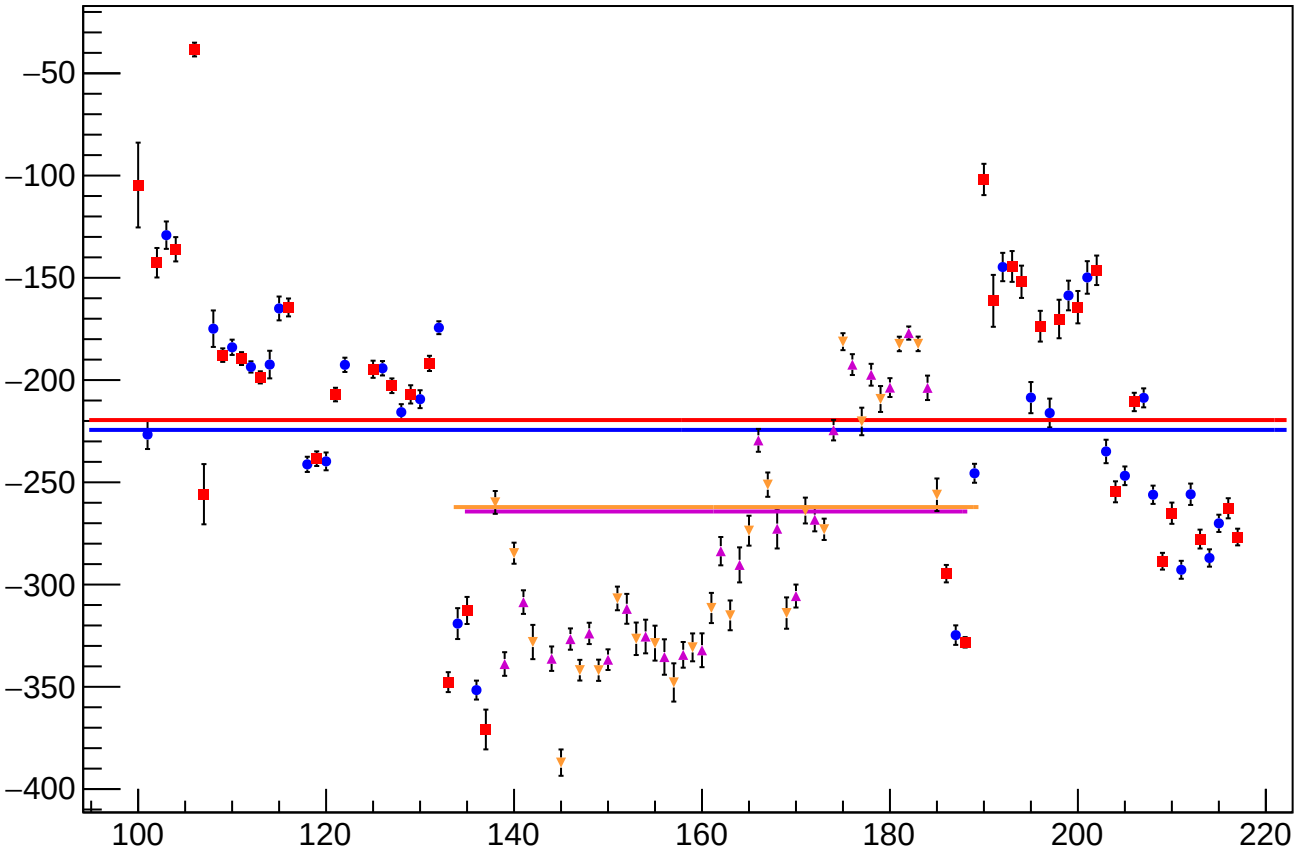
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.411+/-0.013 χ^2/NDF: 889960.1/65

In: -12.786+/-0.009 χ^2/NDF:673612.0/53

Out: -12.637+/-0.009 χ^2/NDF:648364.6/58

All: -12.712+/-0.006 χ^2/NDF: 1322115.7/112



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: -219.556+/-0.775 χ^2/NDF: 8546.6/34

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

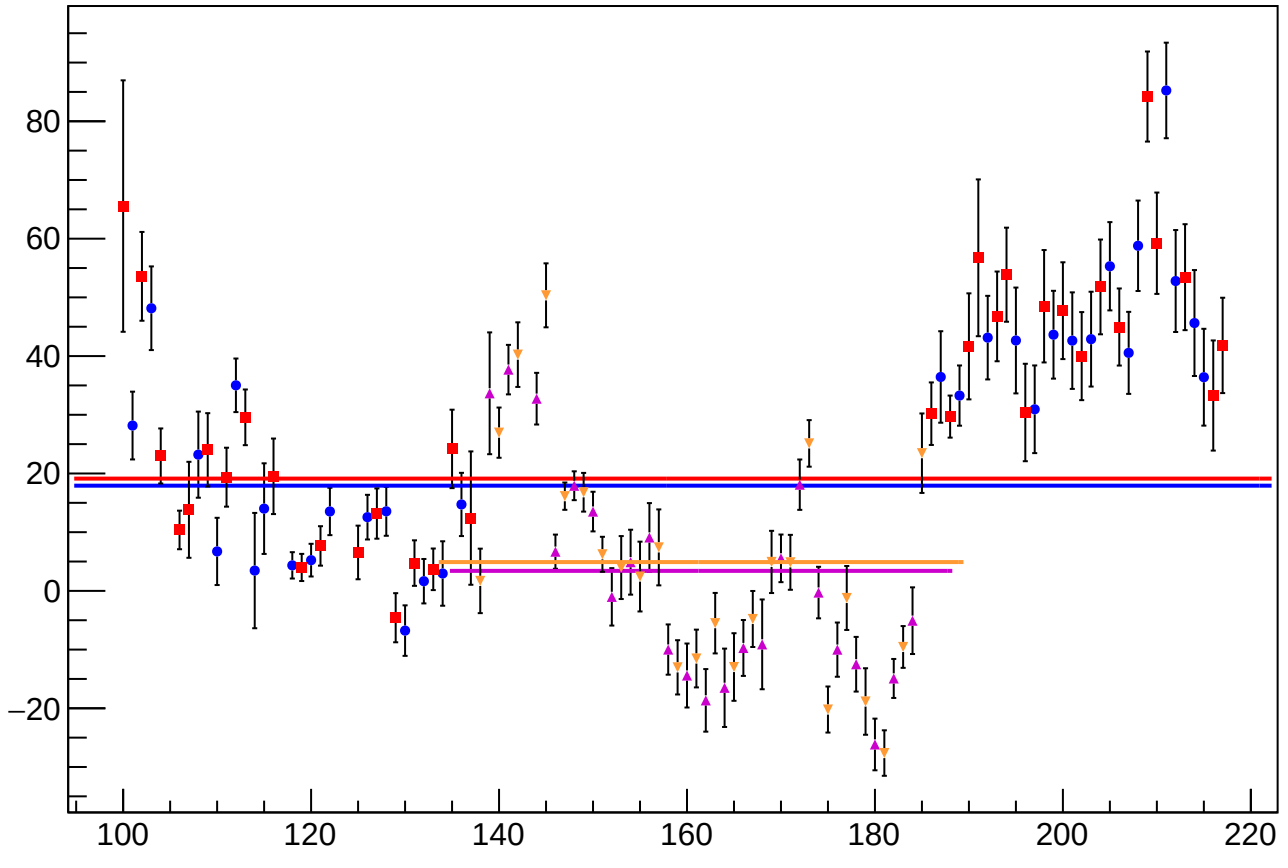
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -221.788+/-0.568 χ^2/NDF: 12008.8/65

In: -237.579+/-0.682 χ^2/NDF:6943.8/53

Out: -232.393+/-0.648 χ^2/NDF:12420.4/58

All: -234.852+/-0.470 χ^2/NDF: 19394.6/112



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: 19.128+/-0.895 χ^2/NDF: 408.9/34

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

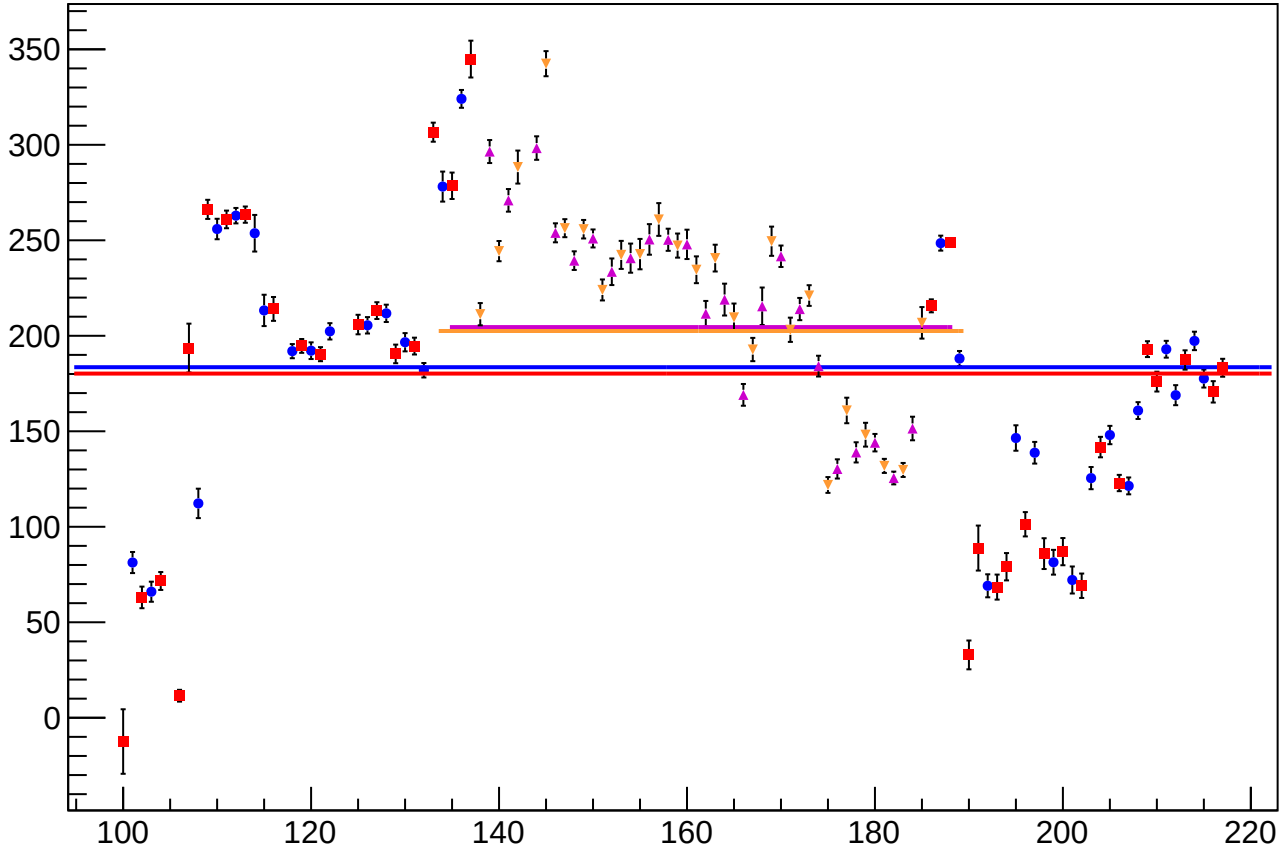
Right: 18.552+/-0.647 χ^2/NDF: 802.9/65

In: 10.395+/-0.649 χ^2/NDF:851.5/53

Out: 11.947+/-0.630 χ^2/NDF:935.2/58

All: 11.194+/-0.452 χ^2/NDF: 1789.6/112

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: 180.211+/-0.806 χ^2/NDF: 9503.5/34

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

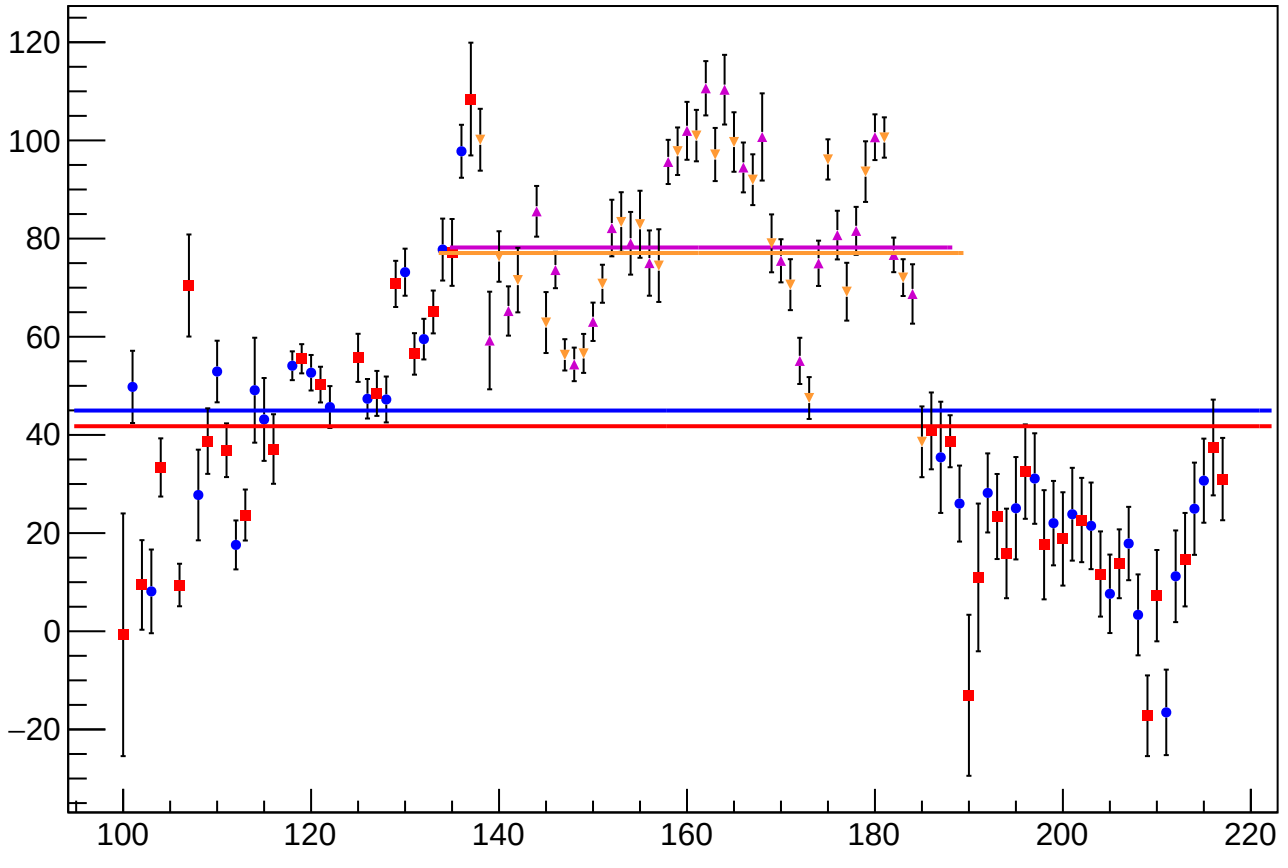
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 181.723+/-0.596 χ^2/NDF: 13850.7/65

In: 191.160+/-0.708 χ^2/NDF:6828.2/53

Out: 187.364+/-0.664 χ^2/NDF:12142.6/58

All: 189.140+/-0.485 χ^2/NDF: 18986.1/112



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: 41.774+/-1.052 χ^2/NDF: 418.7/34

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

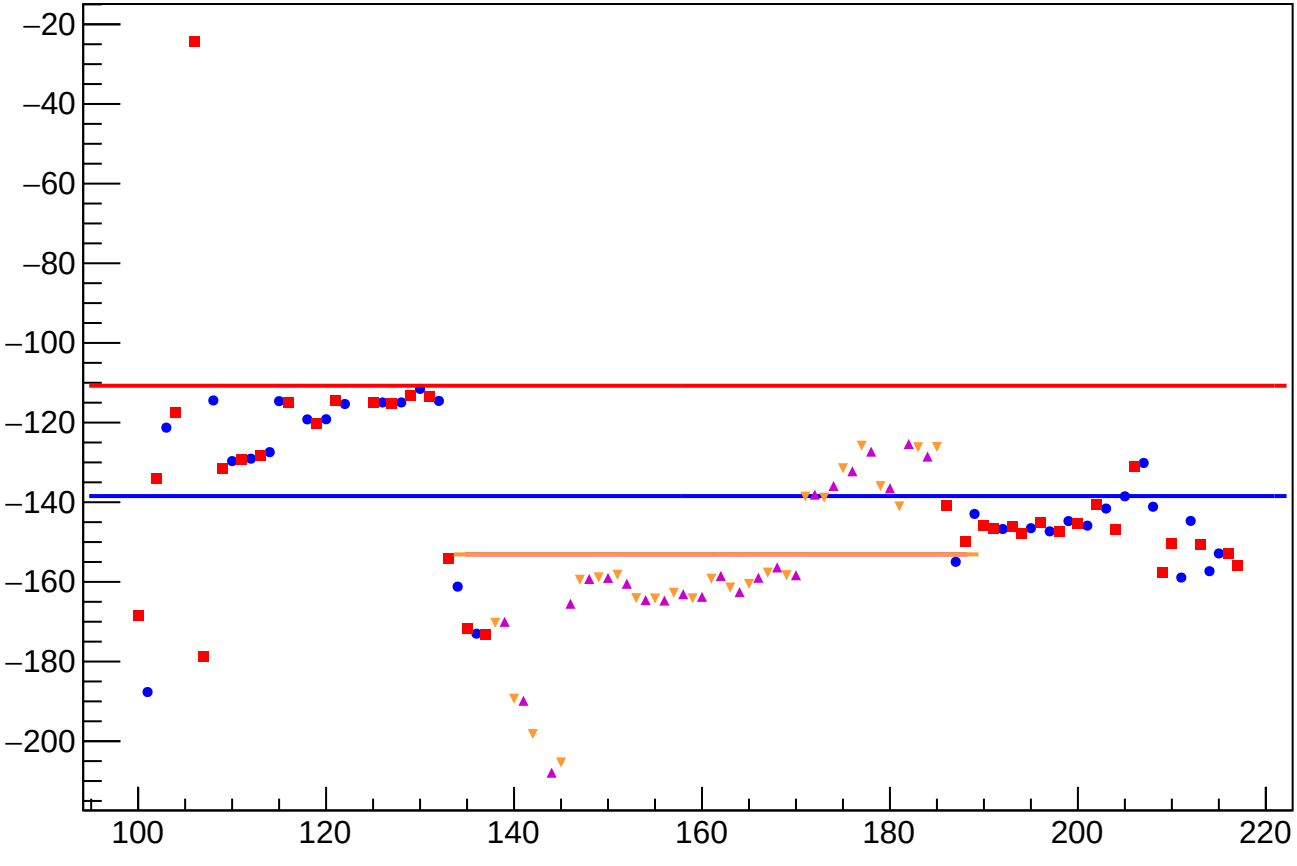
Right: 43.318+/-0.756 χ^2/NDF: 829.2/65

In: 62.556+/-0.746 χ^2/NDF:1132.2/53

Out: 60.052+/-0.731 χ^2/NDF:1312.3/58

All: 61.278+/-0.522 χ^2/NDF: 2450.3/112

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: -110.749+/-0.050 χ^2/NDF: 1033089.5/34

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

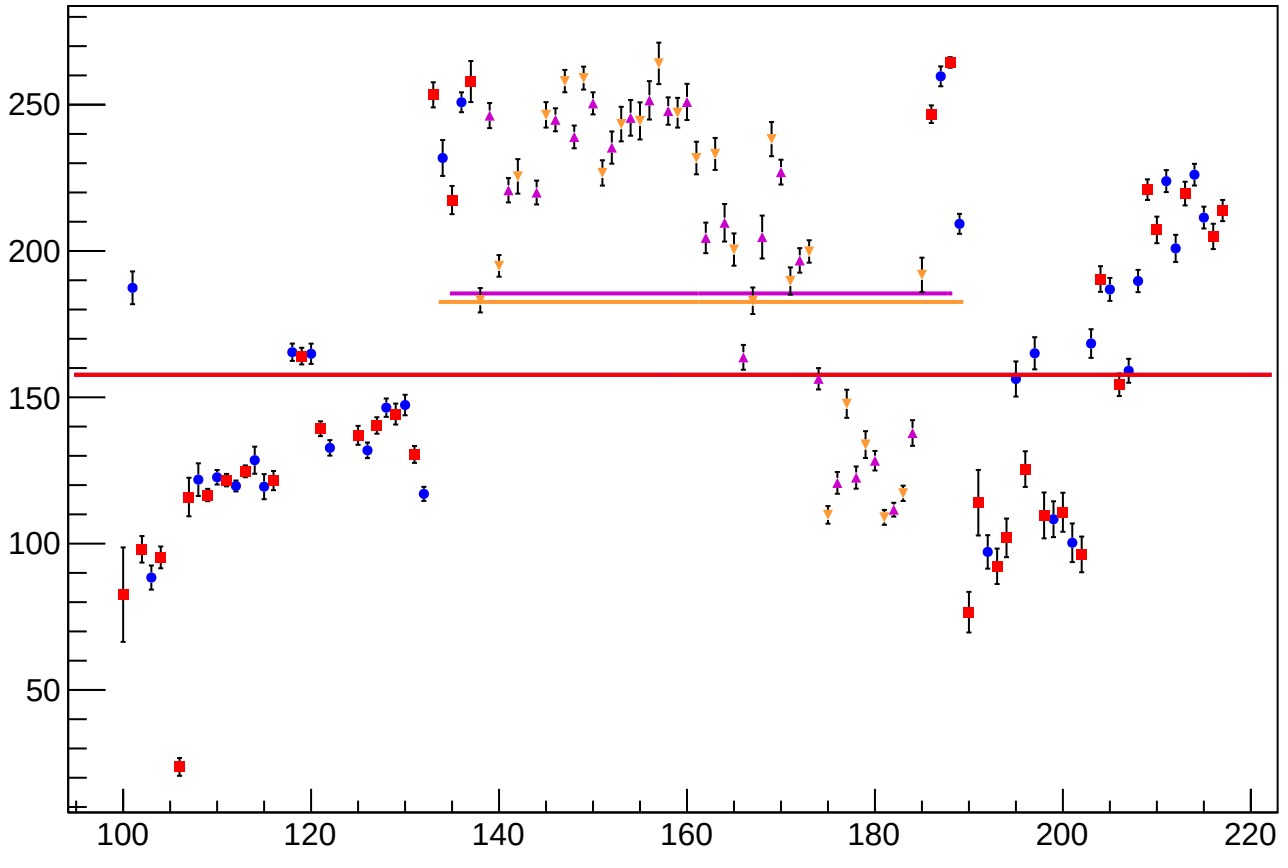
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -122.462+/-0.038 χ^2/NDF: 1270098.5/65

In: -147.455+/-0.037 χ^2/NDF:313951.4/53

Out: -133.431+/-0.034 χ^2/NDF:1588779.0/58

All: -140.005+/-0.025 χ^2/NDF: 1980912.3/11



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: 157.679+/-0.589 χ^2/NDF: 10618.2/34

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

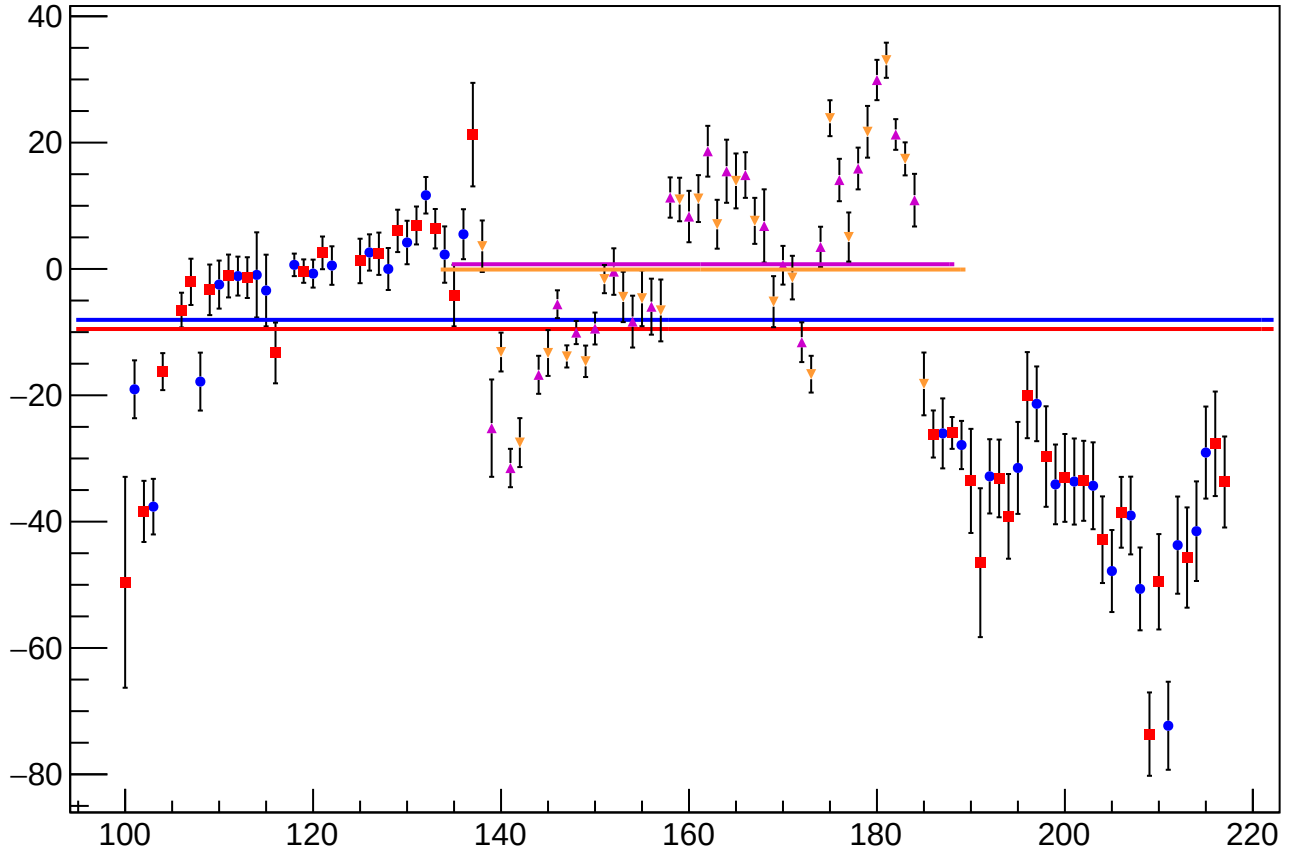
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 157.697+/-0.434 χ^2/NDF: 15558.5/65

In: 167.453+/-0.516 χ^2/NDF:9421.2/53

Out: 165.560+/-0.487 χ^2/NDF:15336.3/58

All: 166.451+/-0.354 χ^2/NDF: 24764.6/112



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: -9.507+/-0.681 χ^2/NDF: 588.1/34

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

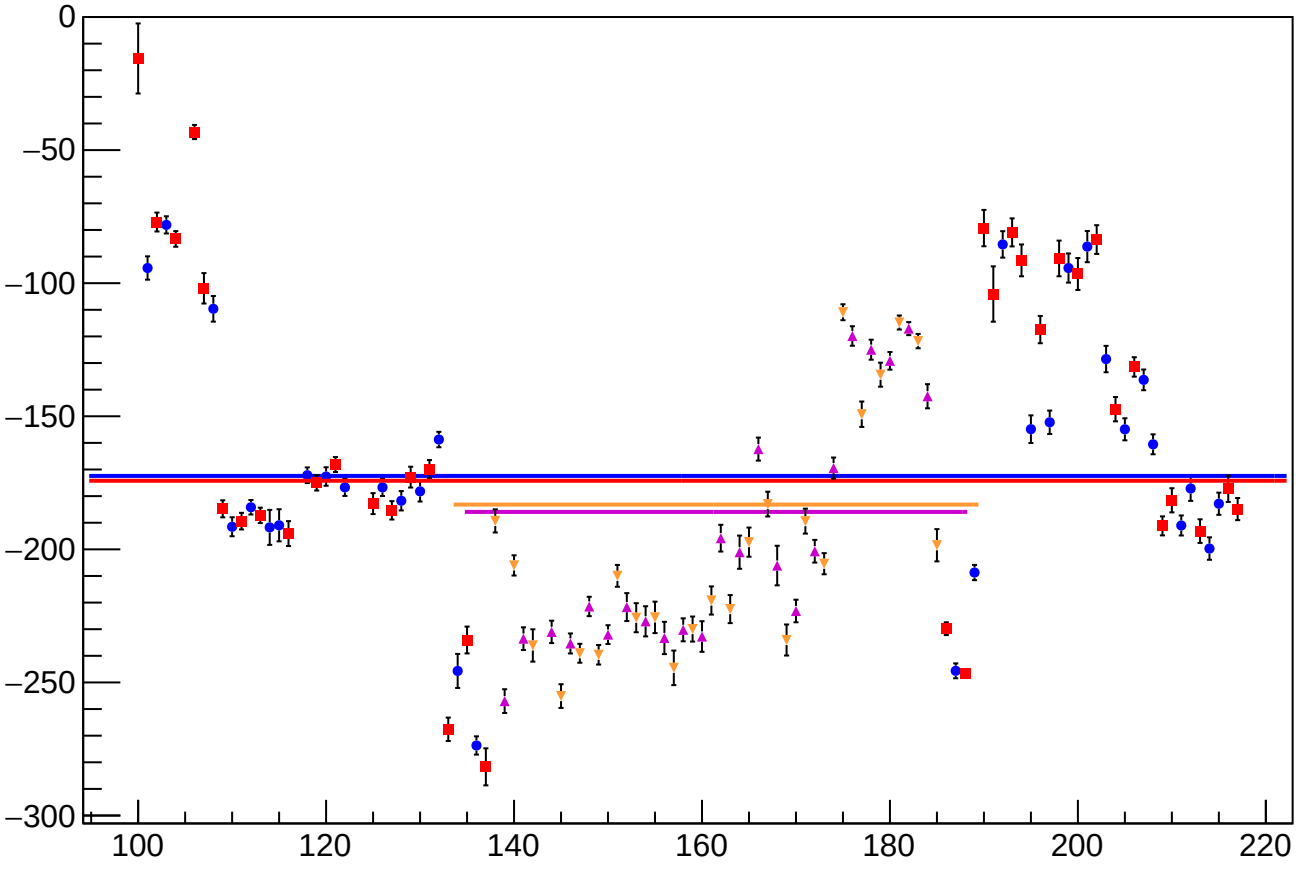
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -8.824+/-0.495 χ^2/NDF: 1147.6/65

In: -3.300+/-0.489 χ^2/NDF:1135.7/53

Out: -4.613+/-0.472 χ^2/NDF:1242.7/58

All: -3.980+/-0.340 χ^2/NDF: 2382.1/112



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: -174.223+/-0.614 χ^2/NDF: 10050.6/34

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

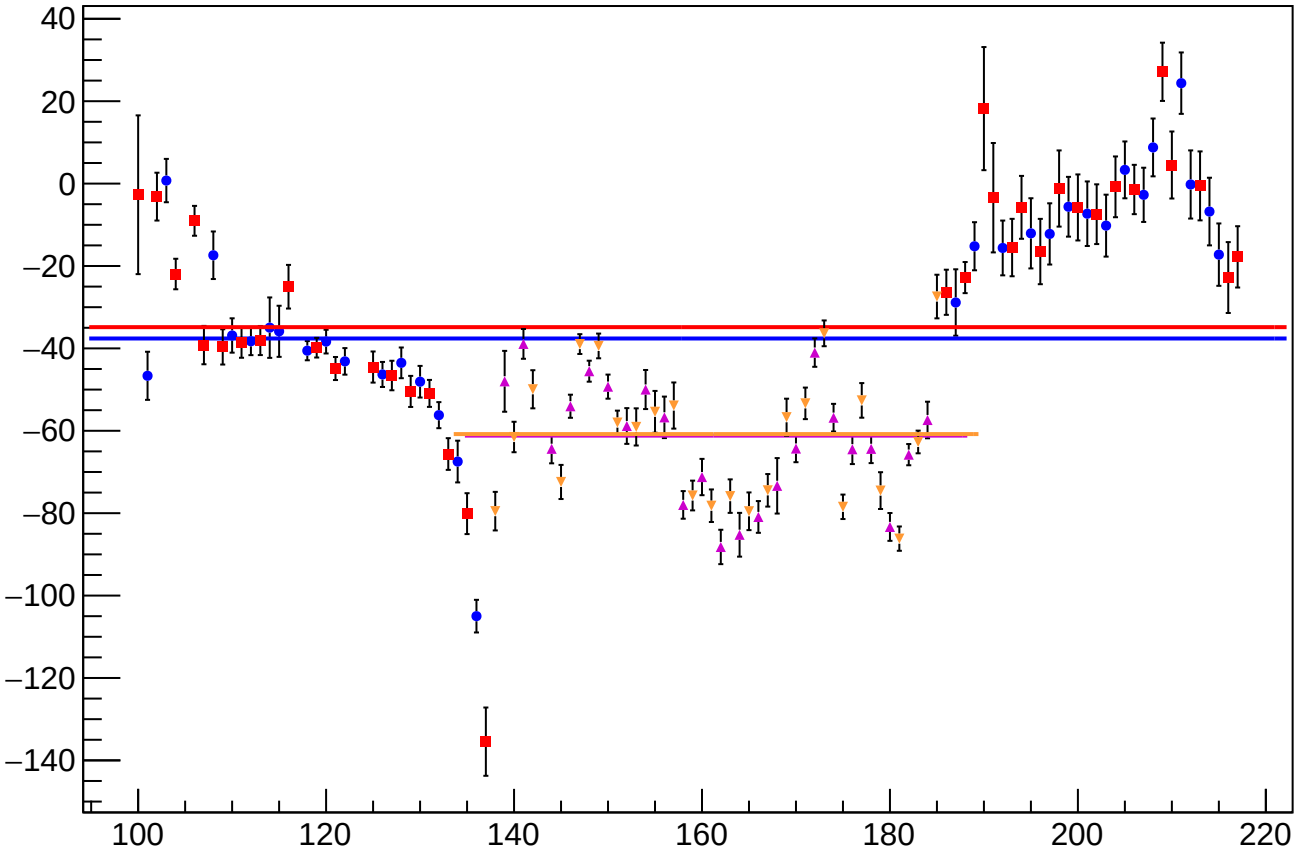
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.417+/-0.457 χ^2/NDF: 14368.3/65

In: -177.618+/-0.538 χ^2/NDF:7645.0/53

Out: -177.232+/-0.500 χ^2/NDF:13483.3/58

All: -177.411+/-0.366 χ^2/NDF: 21128.7/112



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: -34.844+/-0.803 χ^2/NDF: 749.0/34

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

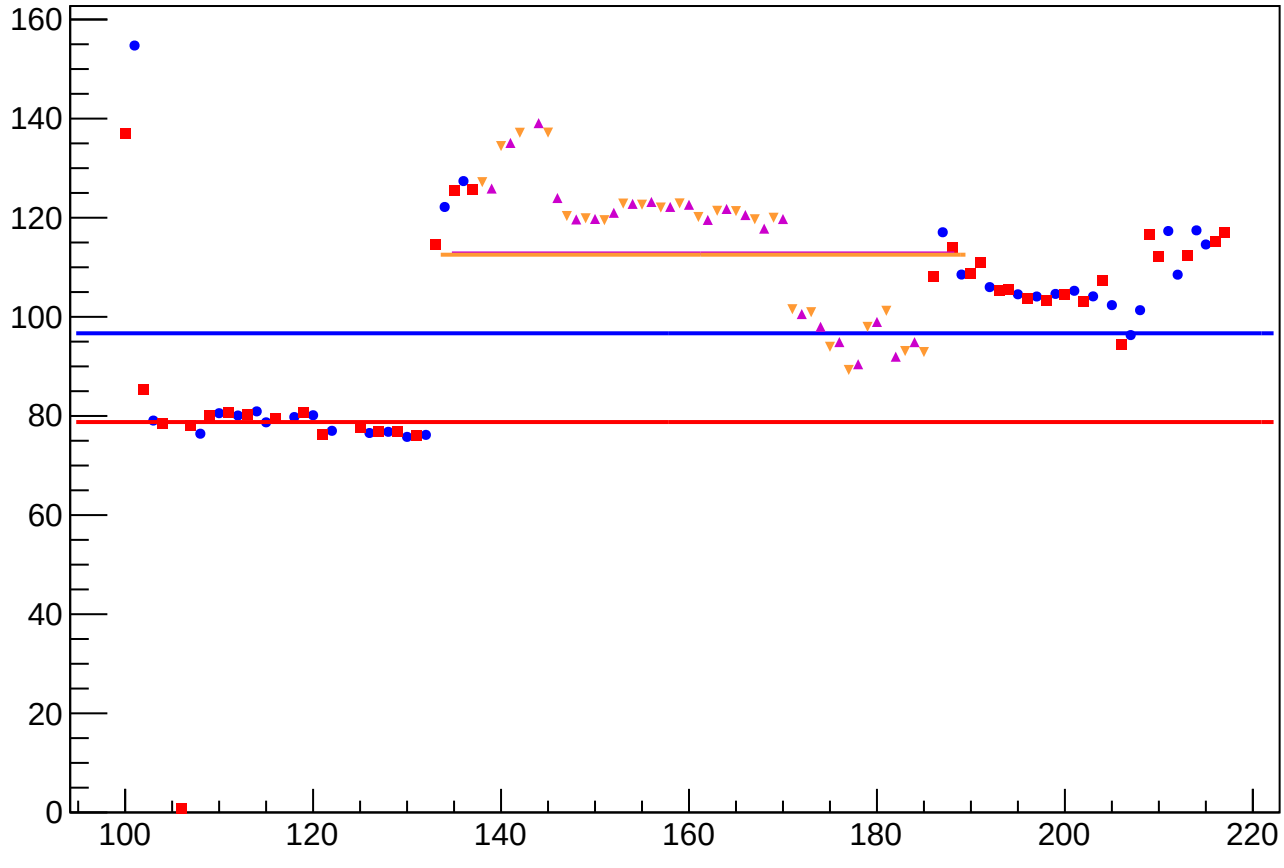
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -36.160+/-0.580 χ^2/NDF: 1517.2/65

In: -50.602+/-0.562 χ^2/NDF:1514.5/53

Out: -48.729+/-0.548 χ^2/NDF:1781.8/58

All: -49.641+/-0.392 χ^2/NDF: 3301.9/112



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: 78.773+/-0.040 χ^2/NDF: 926133.7/34

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

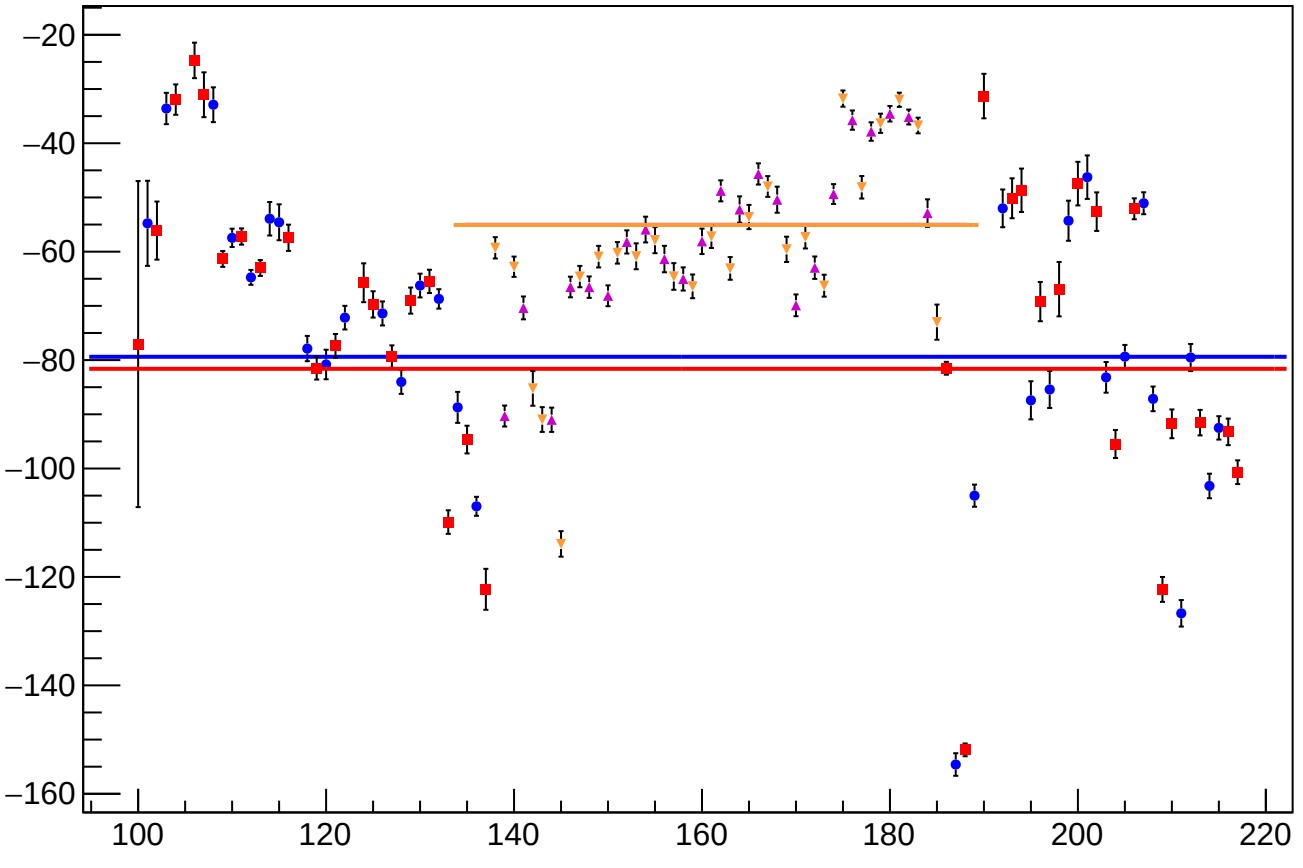
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.579+/-0.030 χ^2/NDF: 1206277.9/65

In: 106.906+/-0.027 χ^2/NDF:443924.4/53

Out: 98.045+/-0.026 χ^2/NDF:1509843.2/58

All: 102.261+/-0.019 χ^2/NDF: 2008484.1/112



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: -81.608+/-0.384 χ^2/NDF: 6655.8/34

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

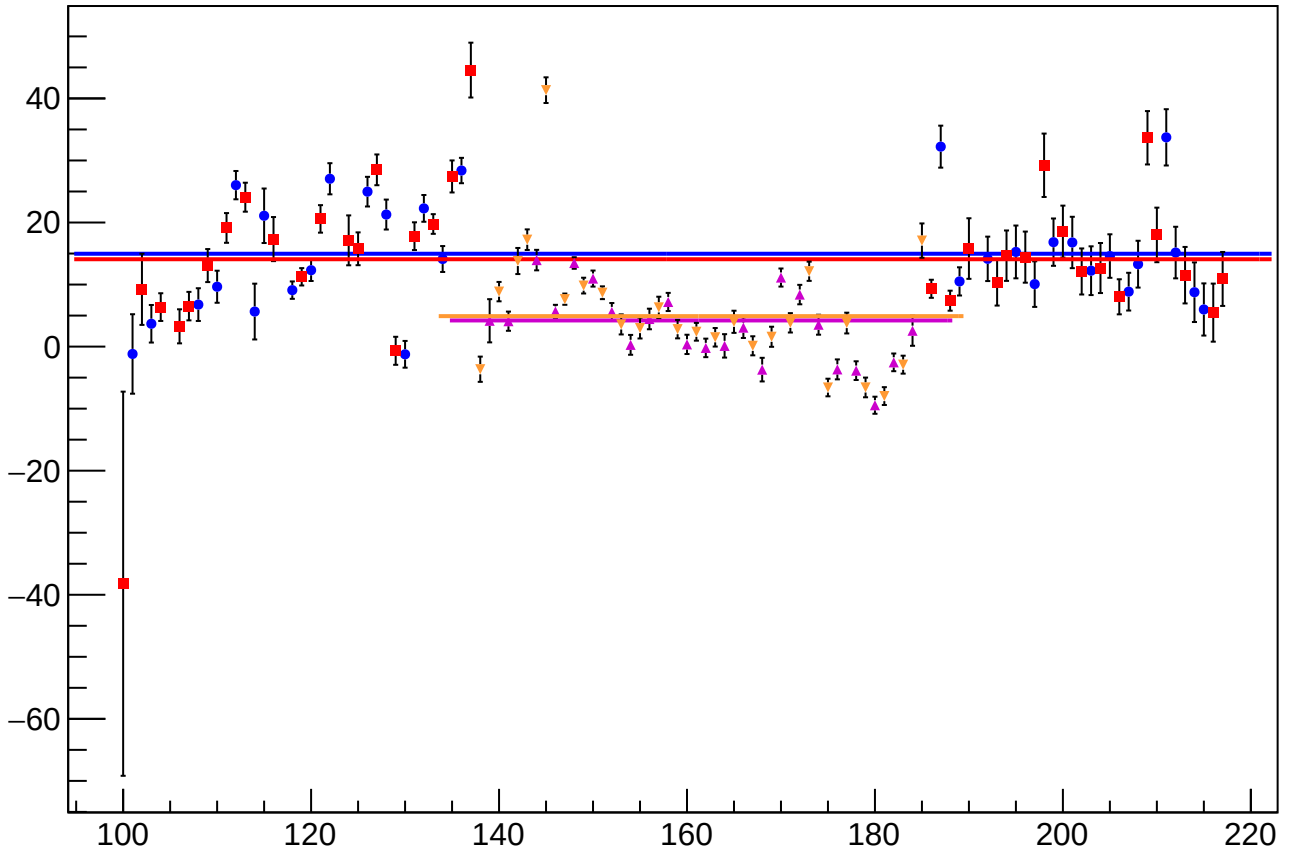
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -80.608+/-0.284 χ^2/NDF: 10285.9/65

In: -66.848+/-0.295 χ^2/NDF:6861.4/53

Out: -68.914+/-0.277 χ^2/NDF:10946.8/59

All: -67.945+/-0.202 χ^2/NDF: 17834.3/113



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: 14.081+/-0.452 χ^2/NDF: 315.3/34

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

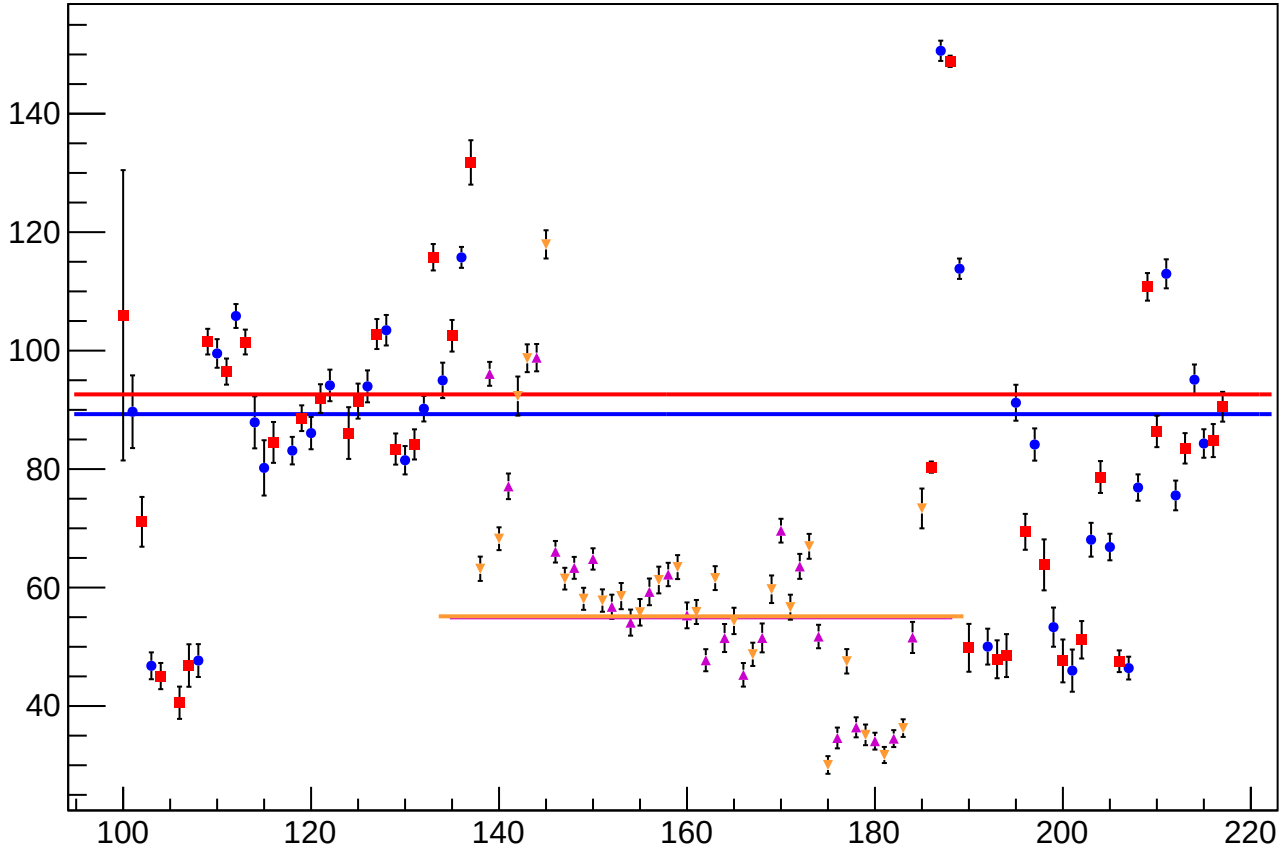
Right: 14.485+/-0.333 χ^2/NDF: 619.7/65

In: 7.292+/-0.264 χ^2/NDF:1056.8/53

Out: 7.737+/-0.251 χ^2/NDF:1342.2/59

All: 7.526+/-0.182 χ^2/NDF: 2400.5/113

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.278+/-0.444 χ^2/NDF: 3692.8/30

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.614+/-0.388 χ^2/NDF: 6620.4/34

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

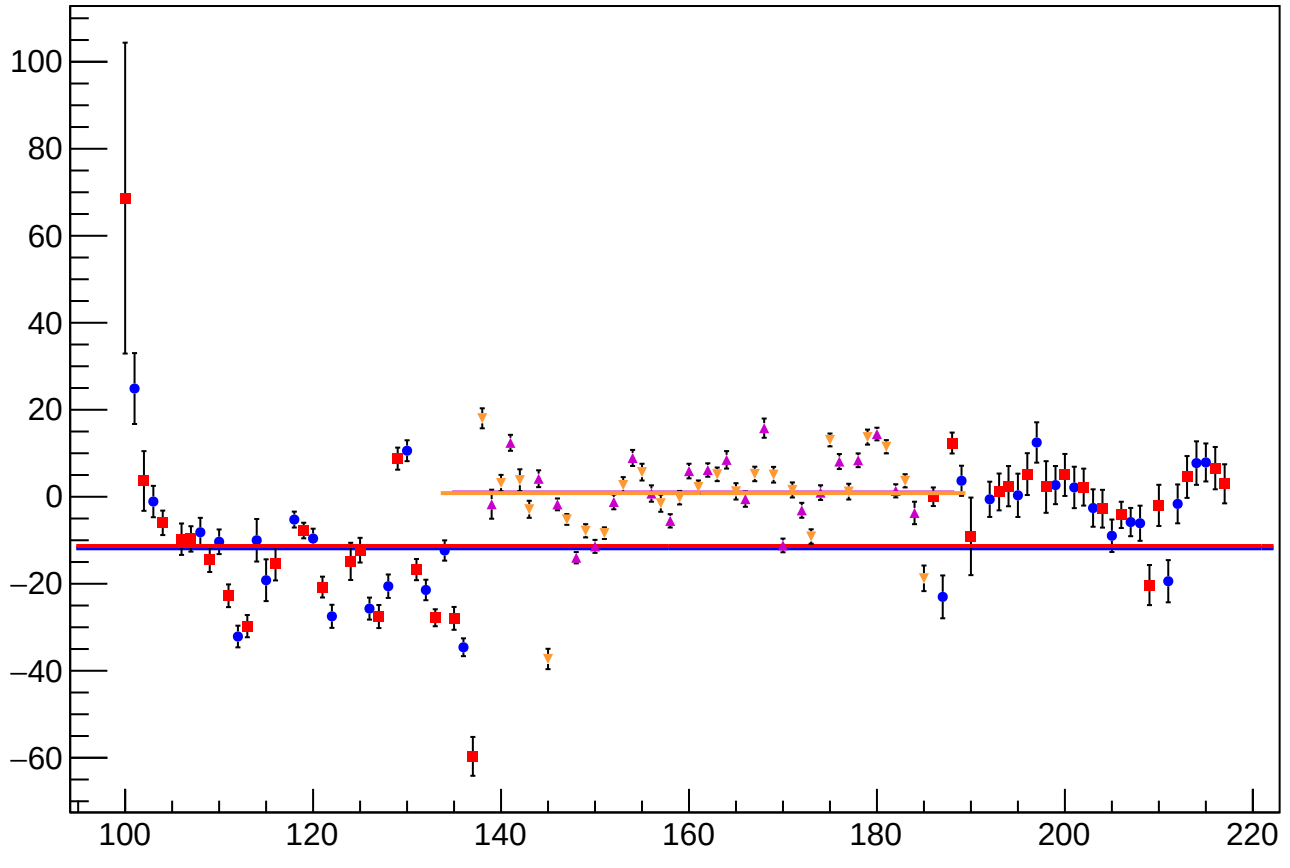
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 91.166+/-0.292 χ^2/NDF: 10345.3/65

In: 70.593+/-0.299 χ^2/NDF:8731.0/53

Out: 74.283+/-0.278 χ^2/NDF:13415.7/59

All: 72.577+/-0.204 χ^2/NDF: 22228.4/113



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: -11.323+/-0.536 χ^2/NDF: 673.4/34

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

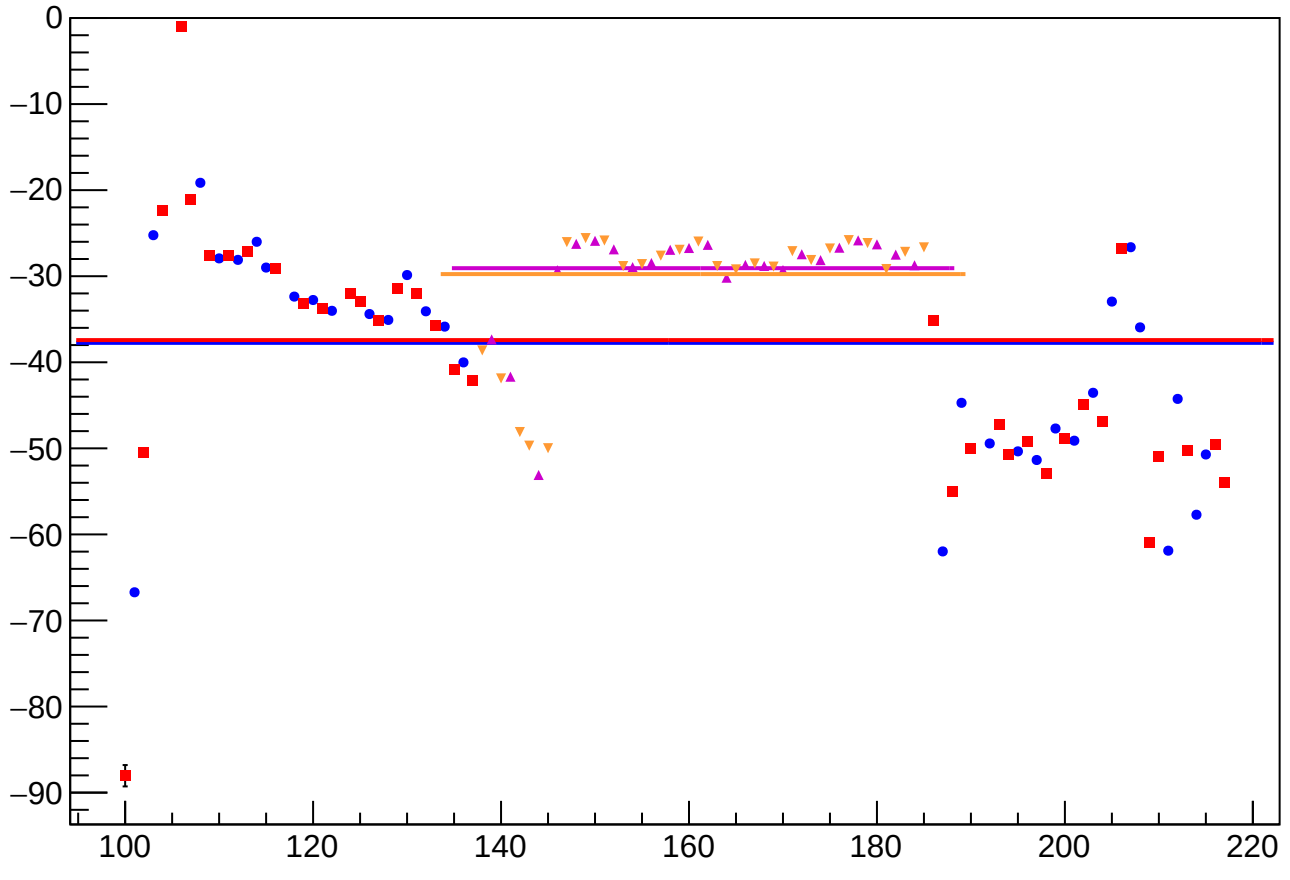
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -11.568+/-0.390 χ^2/NDF: 1229.9/65

In: -2.593+/-0.300 χ^2/NDF:1481.6/53

Out: -2.691+/-0.289 χ^2/NDF:1755.9/59

All: -2.644+/-0.208 χ^2/NDF: 3237.5/113



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: -37.423+/-0.028 χ^2/NDF: 238750.8/34

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

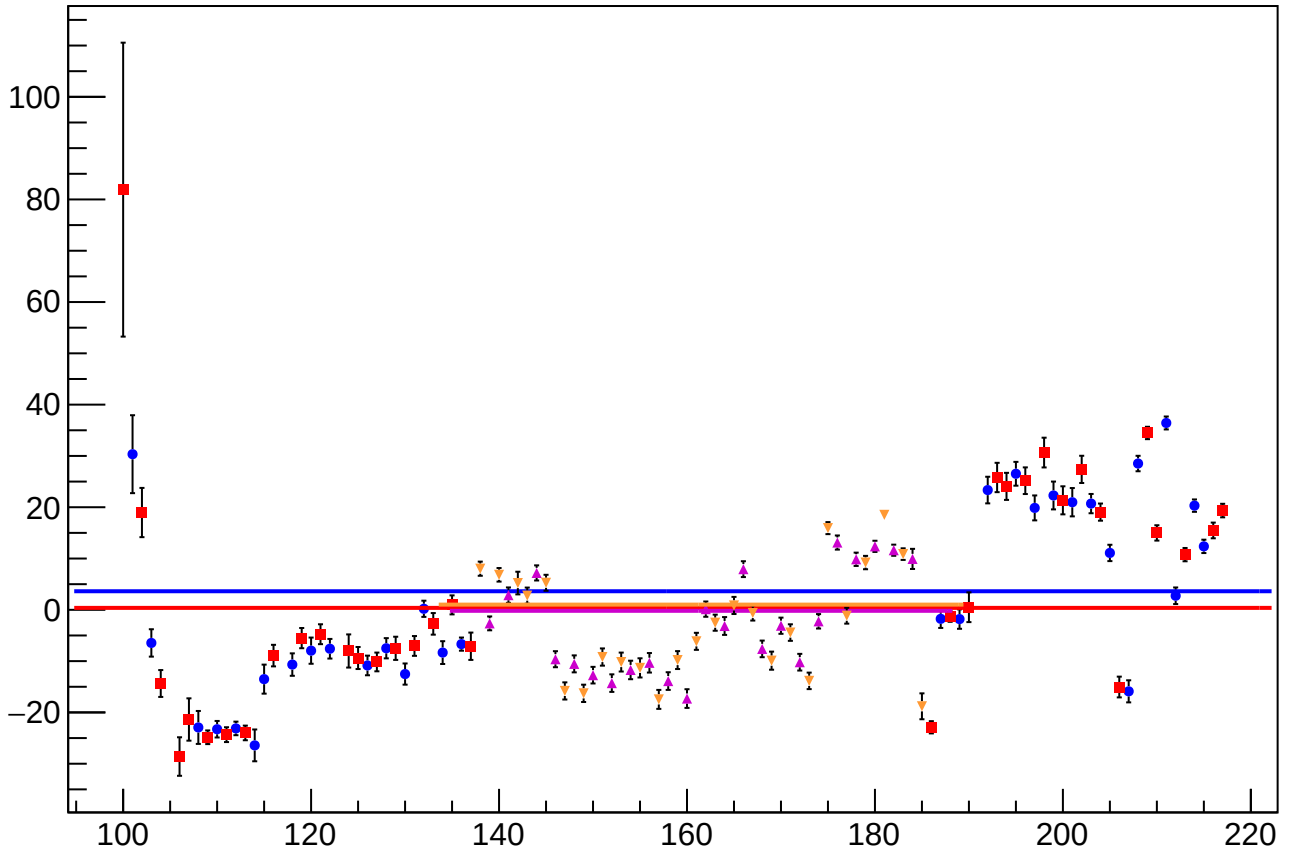
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.579+/-0.020 χ^2/NDF: 380060.2/65

In: -31.129+/-0.014 χ^2/NDF:314475.6/53

Out: -31.591+/-0.014 χ^2/NDF:460405.5/59

All: -31.363+/-0.010 χ^2/NDF: 775452.1/113



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: 0.379+/-0.312 χ^2/NDF: 3567.7/34

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

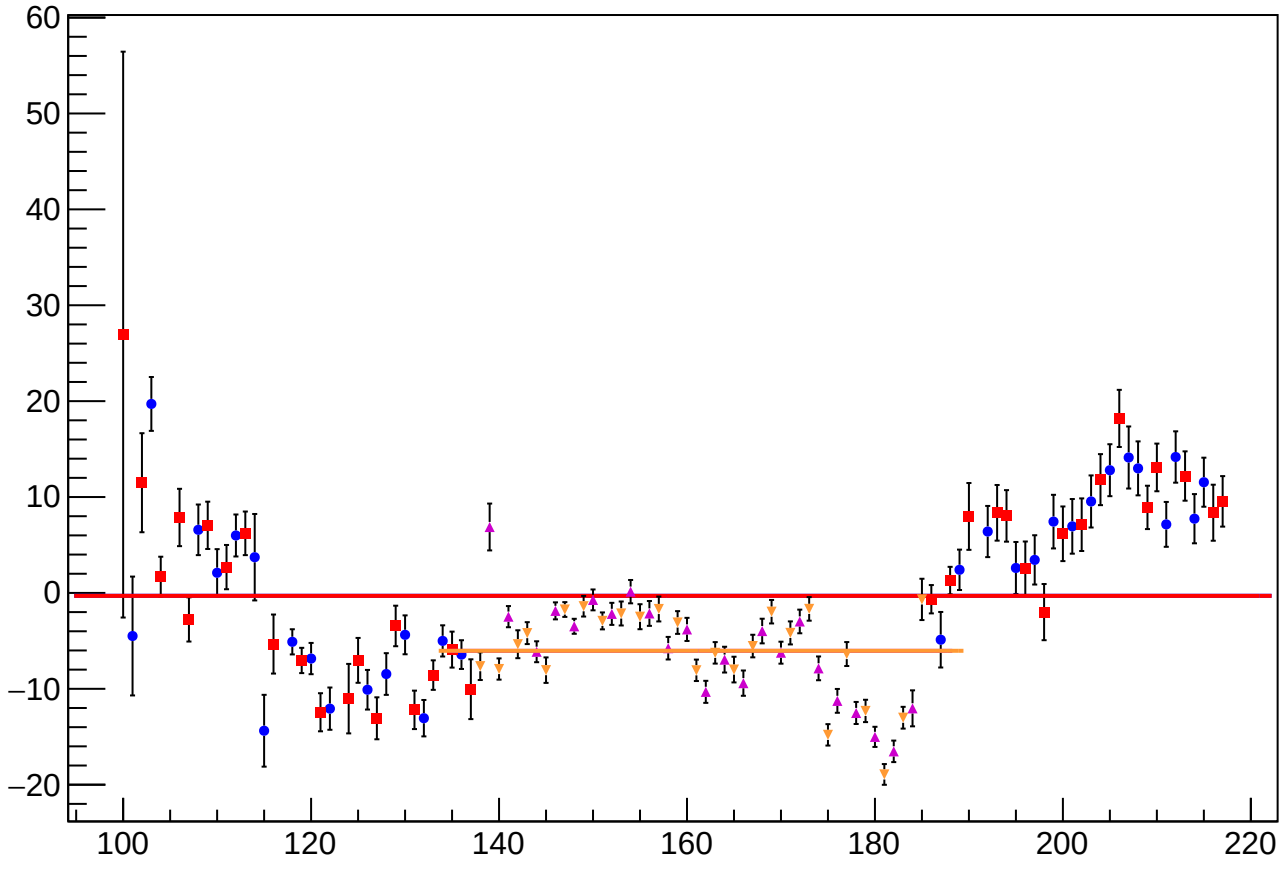
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: 1.897+/-0.228 χ^2/NDF: 6553.7/65

In: 1.608+/-0.229 χ^2/NDF:3987.6/53

Out: 0.705+/-0.218 χ^2/NDF:4904.9/59

All: 1.135+/-0.158 χ^2/NDF: 8900.7/113



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: -0.307+/-0.389 χ^2/NDF: 427.3/34

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

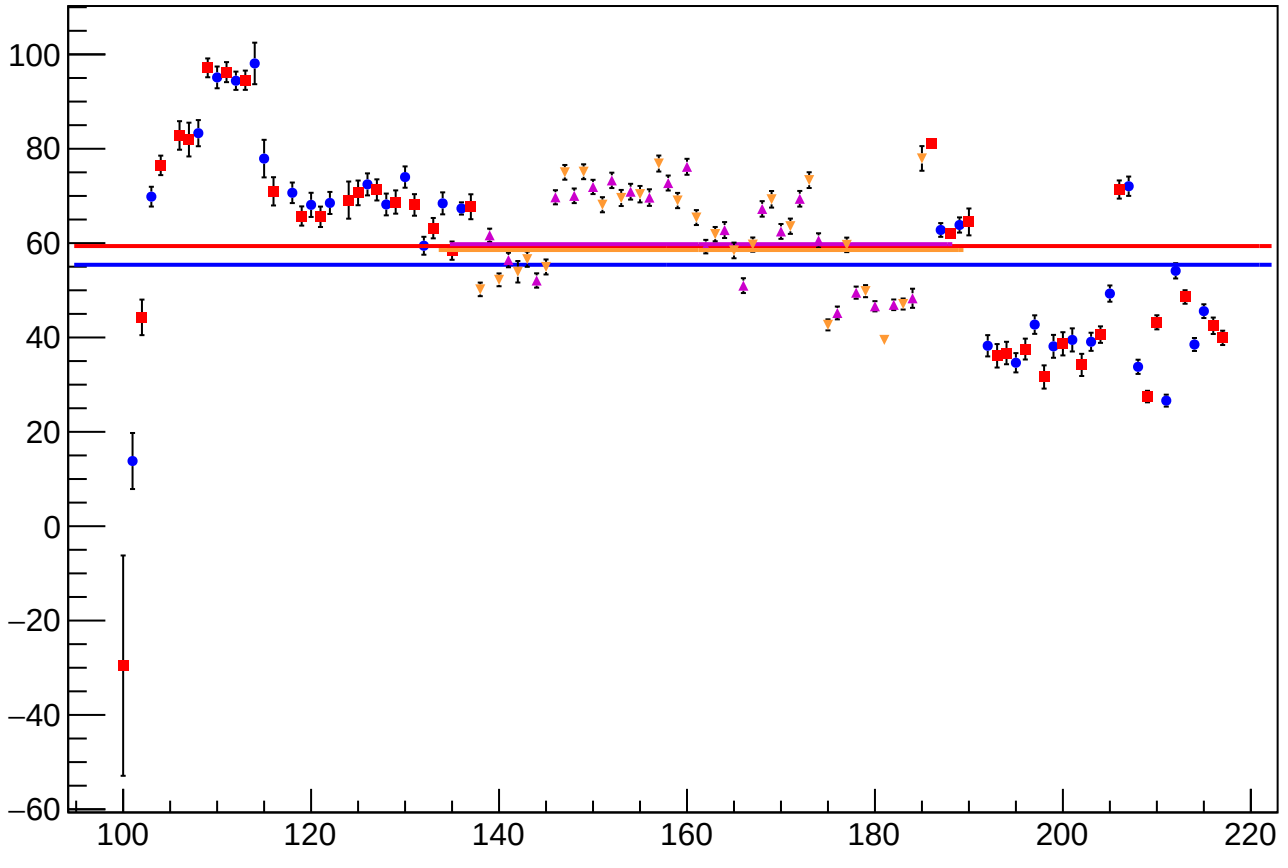
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -0.302+/-0.283 χ^2/NDF: 855.5/65

In: -4.563+/-0.209 χ^2/NDF:968.7/53

Out: -4.520+/-0.200 χ^2/NDF:1001.7/59

All: -4.541+/-0.145 χ^2/NDF: 1970.5/113



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: 59.377+/-0.318 χ^2/NDF: 3665.9/34

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

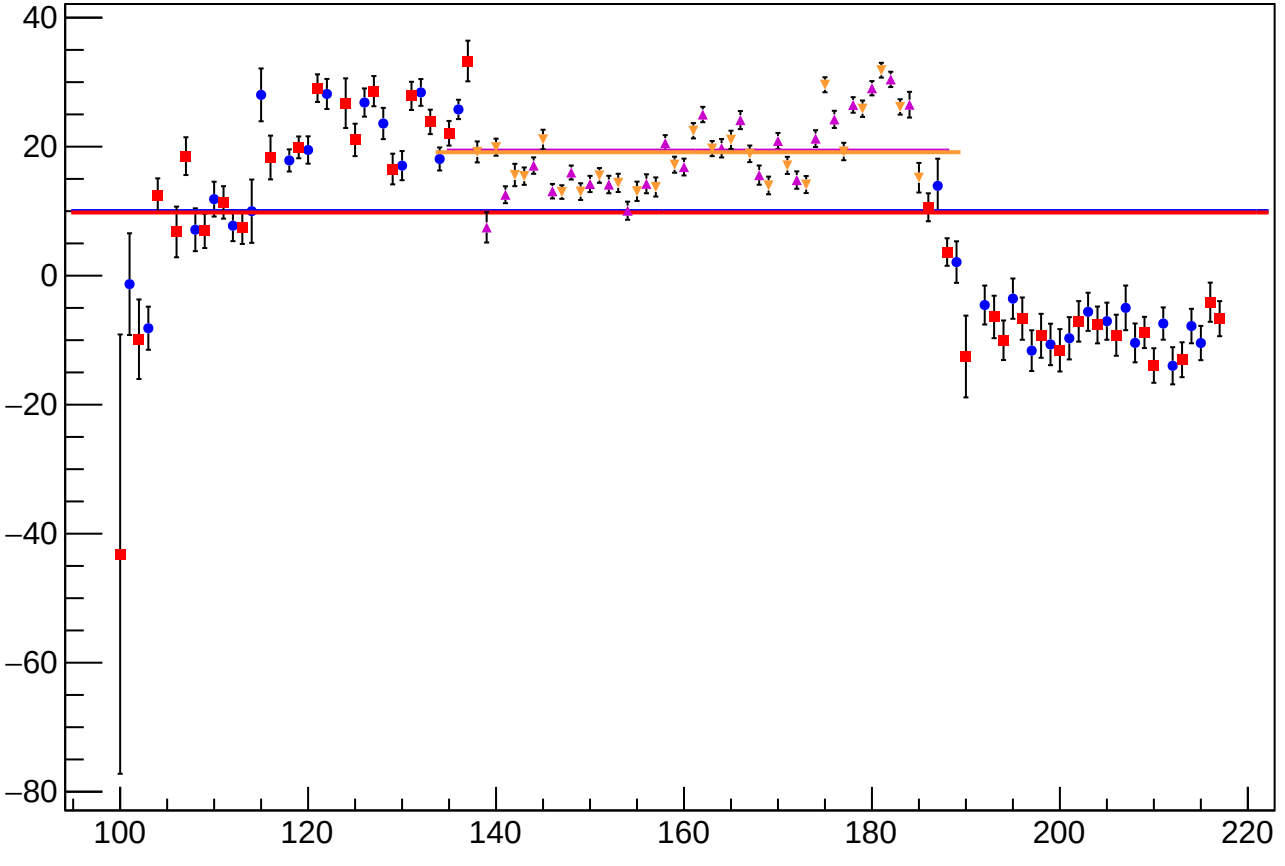
Right: 57.565+/-0.234 χ^2/NDF: 6562.8/65

In: 57.827+/-0.232 χ^2/NDF:3984.1/53

Out: 58.935+/-0.219 χ^2/NDF:5118.7/59

All: 58.412+/-0.159 χ^2/NDF: 9114.9/113

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.015+/-0.468 χ^2/NDF: 987.5/30

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 9.795+/-0.454 χ^2/NDF: 1034.3/34

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

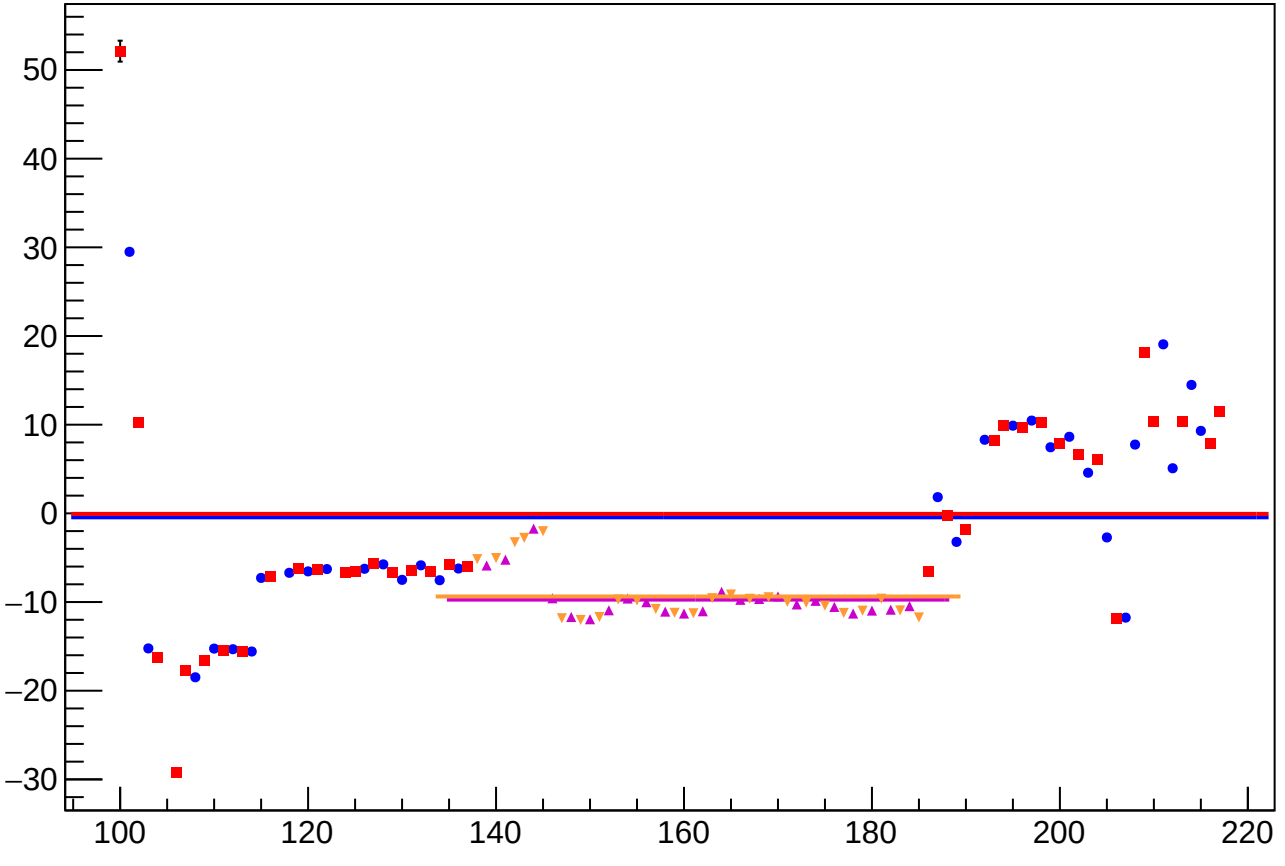
Right: 9.901+/-0.326 χ^2/NDF: 2021.9/65

In: 17.002+/-0.236 χ^2/NDF:1754.3/53

Out: 16.774+/-0.228 χ^2/NDF:1784.9/59

All: 16.884+/-0.164 χ^2/NDF: 3539.7/113

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: -0.059+/-0.022 χ^2/NDF: 246198.6/34

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

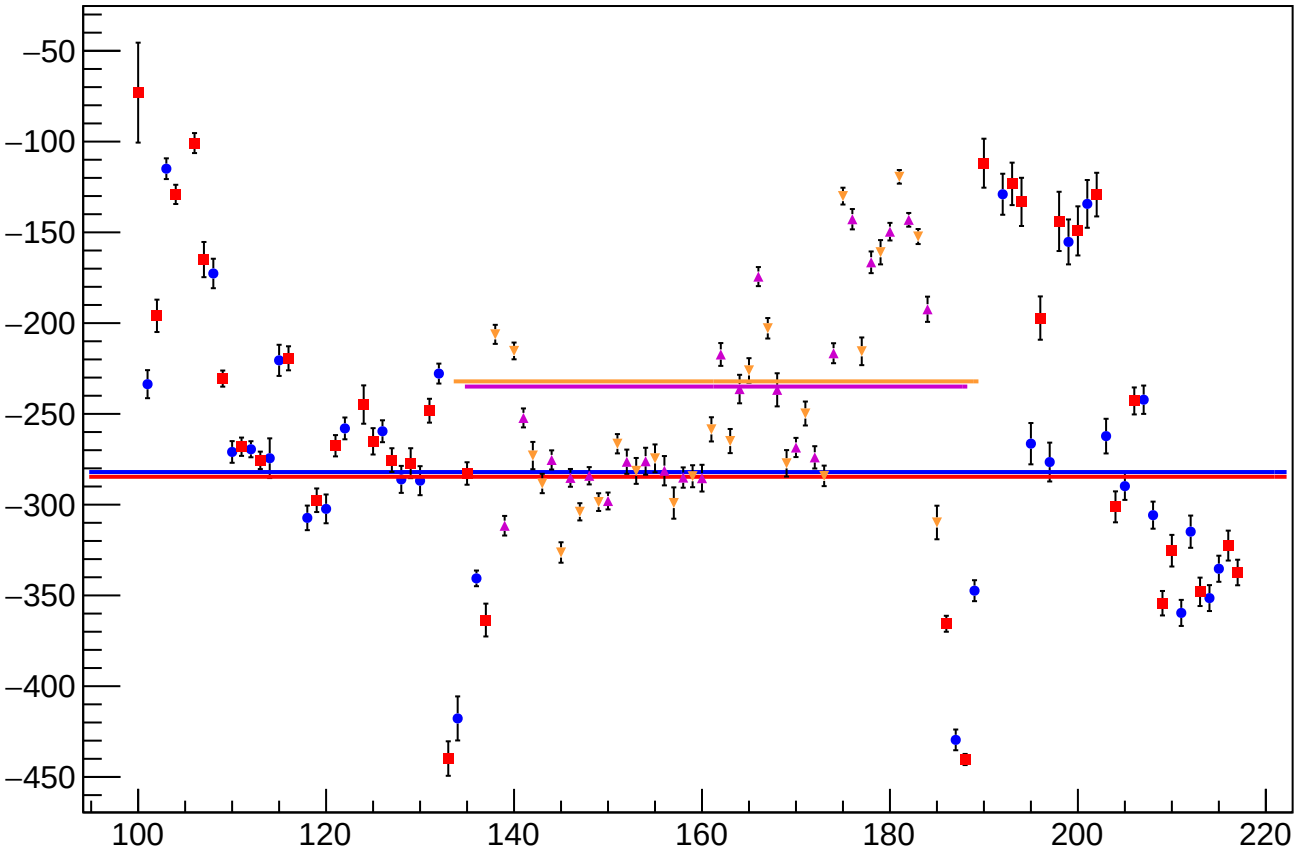
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -0.251+/-0.016 χ^2/NDF: 457526.7/65

In: -7.600+/-0.011 χ^2/NDF:377598.9/53

Out: -7.290+/-0.010 χ^2/NDF:433713.0/59

All: -7.443+/-0.007 χ^2/NDF: 811744.9/113



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: -284.646+/-1.148 χ^2/NDF: 7062.5/34

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

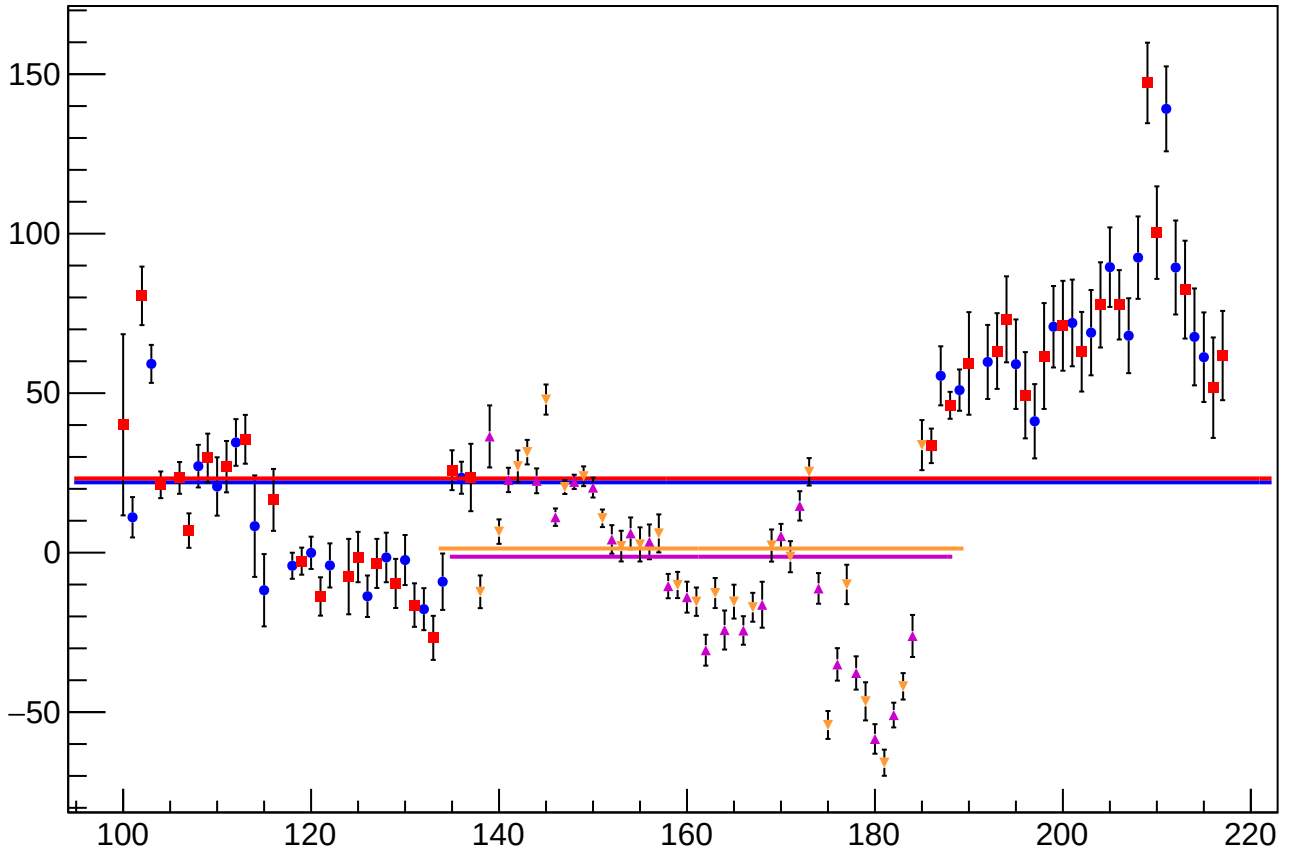
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -283.476+/-0.853 χ^2/NDF: 10197.7/65

In: -256.586+/-0.864 χ^2/NDF:6340.0/53

Out: -258.255+/-0.810 χ^2/NDF:11384.9/59

All: -257.475+/-0.591 χ^2/NDF: 17726.9/113



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: 23.269+/-1.304 χ^2/NDF: 547.0/34

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

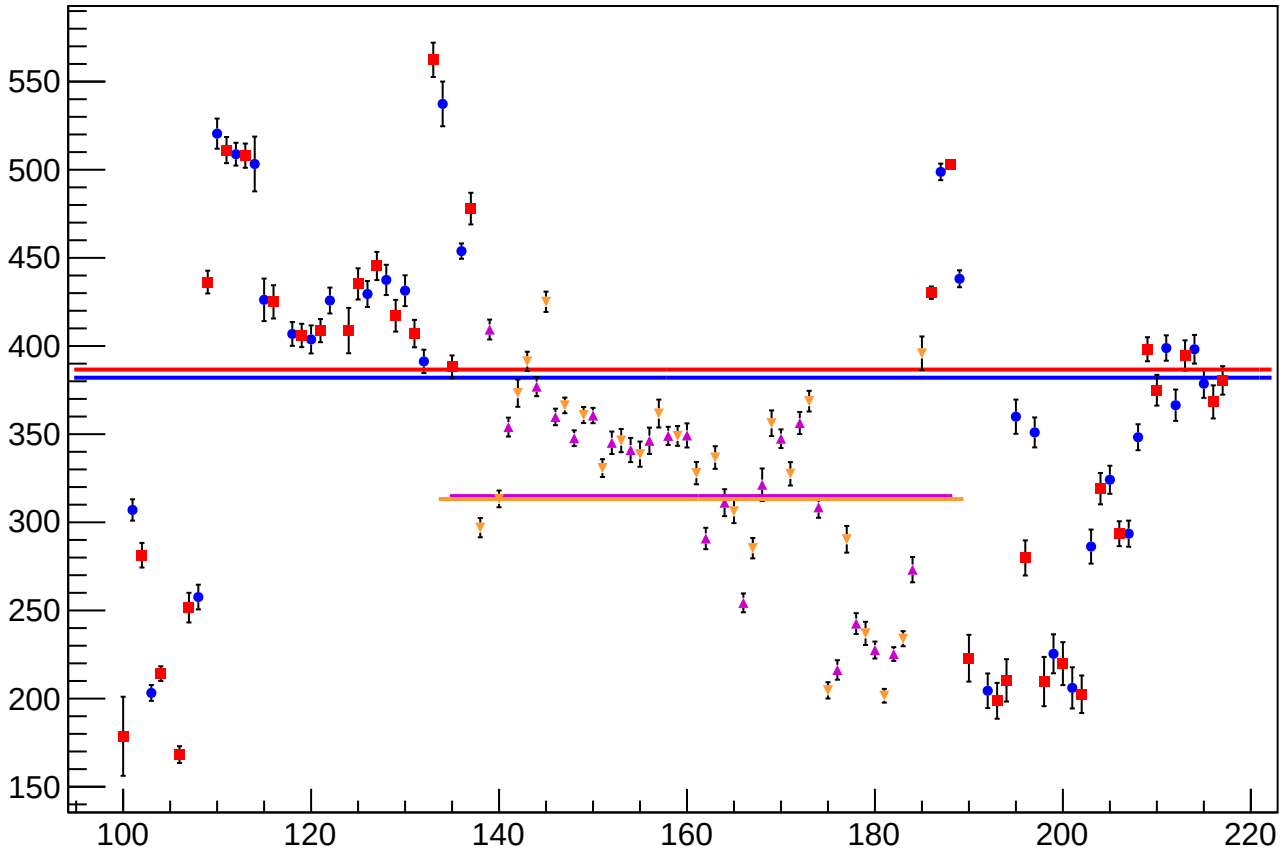
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 22.717+/-0.967 χ^2/NDF: 1057.7/65

In: 4.940+/-0.744 χ^2/NDF:1513.7/53

Out: 7.706+/-0.704 χ^2/NDF:1797.6/59

All: 6.399+/-0.511 χ^2/NDF: 3318.6/113



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: 386.645+/-1.135 χ^2/NDF: 9705.7/34

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

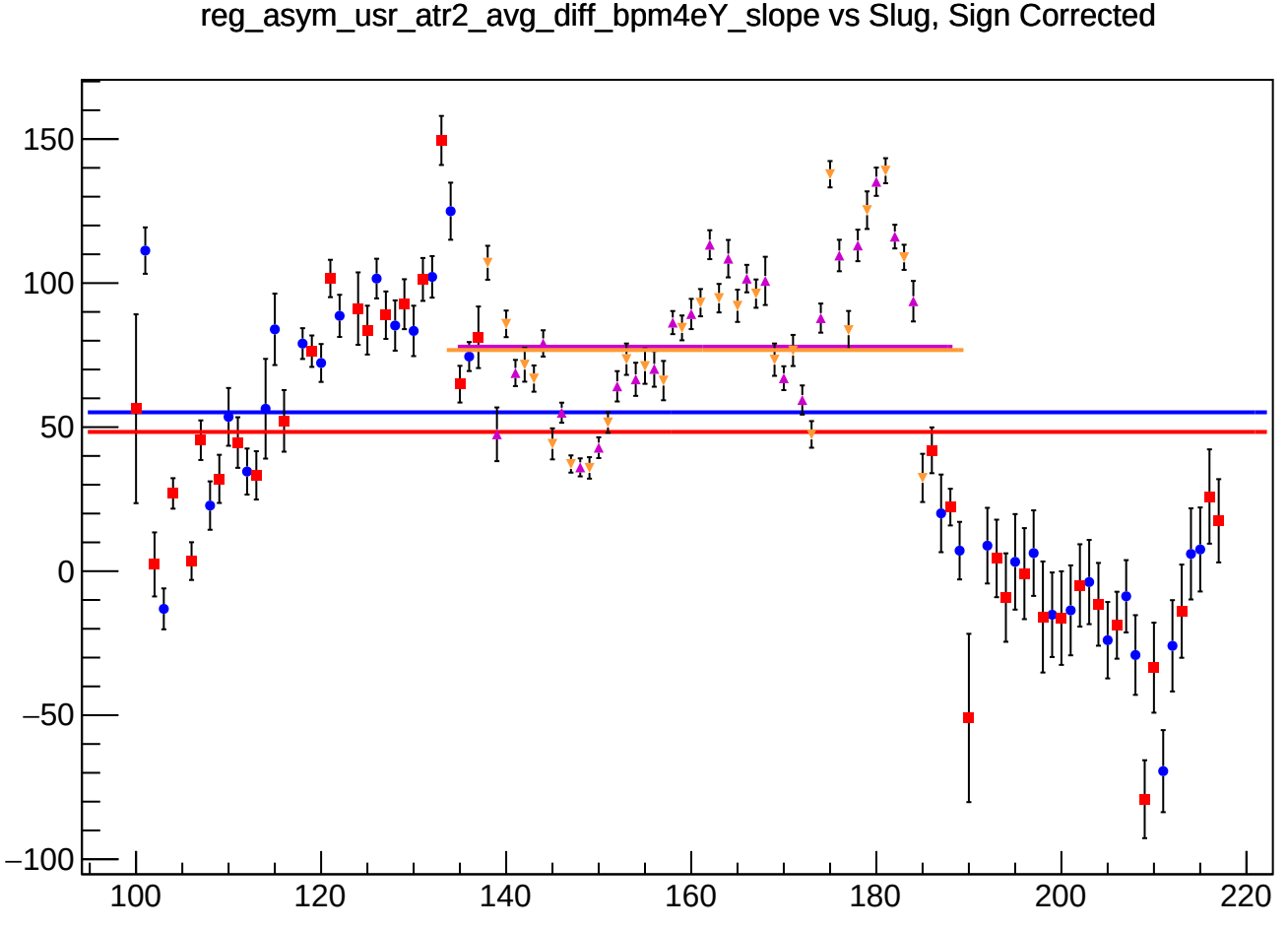
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.645+/-0.854 χ^2/NDF: 14946.6/65

In: 344.753+/-0.865 χ^2/NDF:9151.3/53

Out: 349.883+/-0.802 χ^2/NDF:14936.9/59

All: 347.511+/-0.588 χ^2/NDF: 24107.1/113



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: 48.333+/-1.559 χ^2/NDF: 761.5/34

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

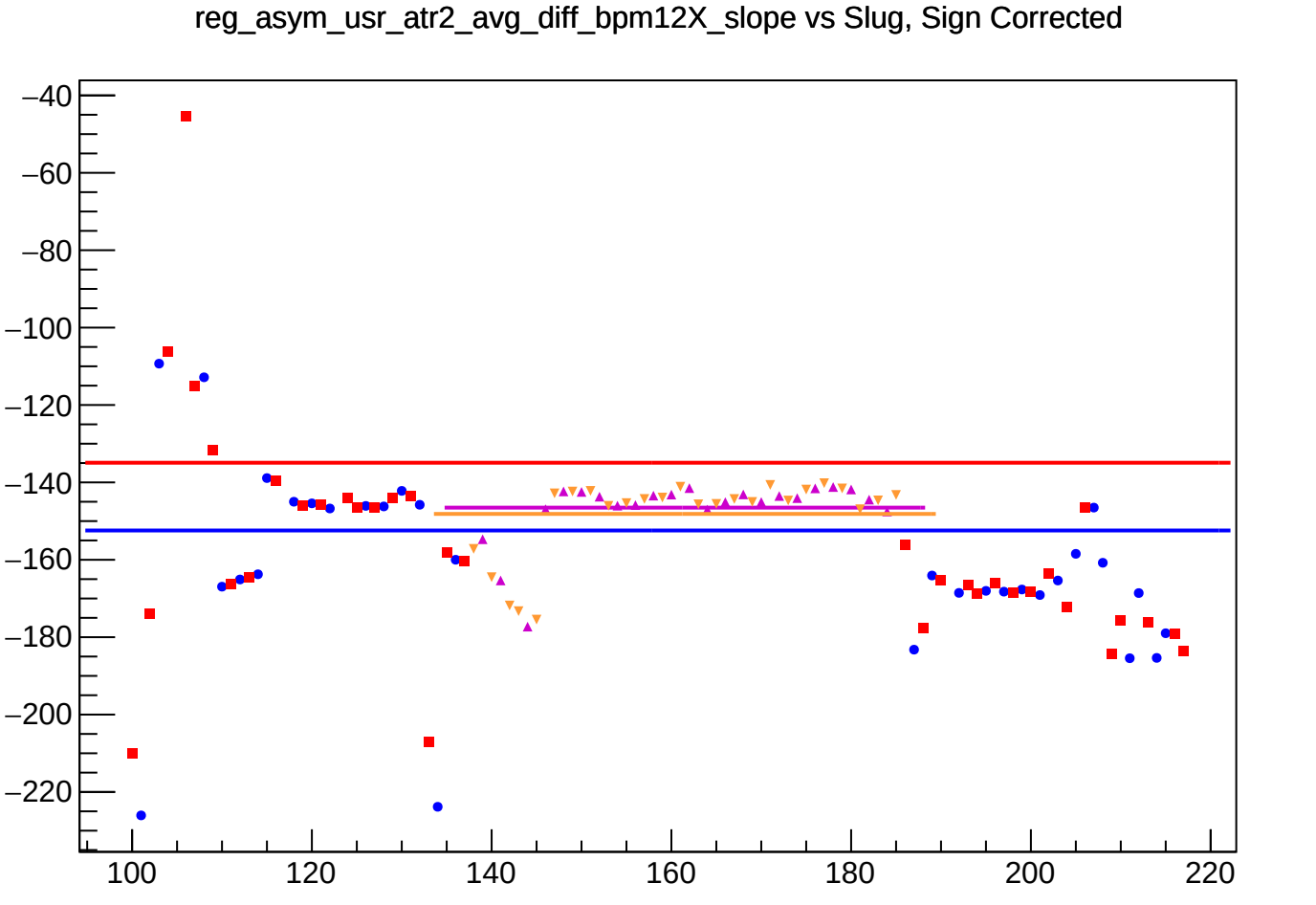
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

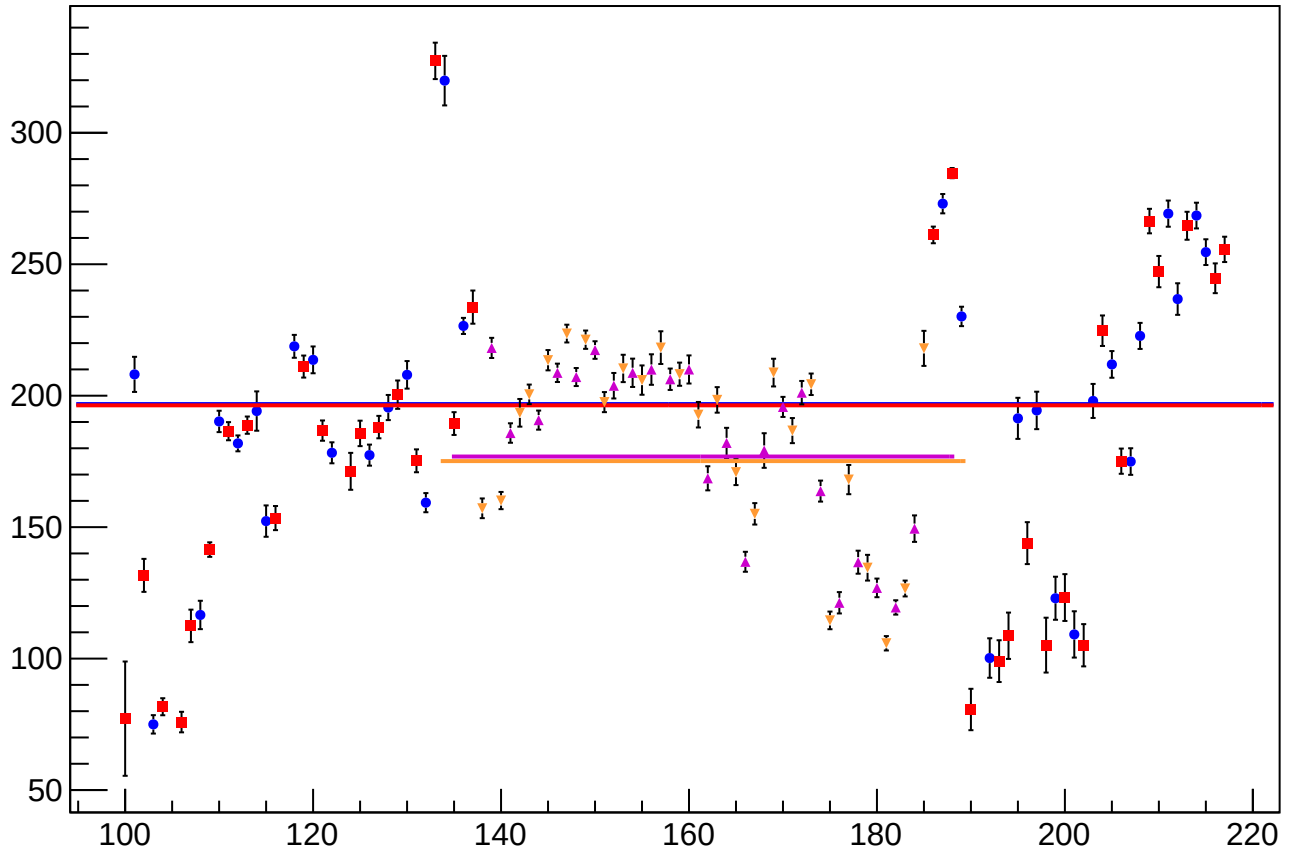
Right: 51.492+/-1.142 χ^2/NDF: 1503.8/65

In: 71.975+/-0.857 χ^2/NDF:1653.6/53

Out: 68.865+/-0.822 χ^2/NDF:2036.9/59

All: 70.355+/-0.593 χ^2/NDF: 3697.4/113


reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
−160
−180
−200
−220
100
120
140
160
180
200
220
Right In: -152.427+/-0.080 χ²/NDF: 152413.7/30
Left Out: -148.148+/-0.045 χ²/NDF:48910.2/24
Right Out: -134.919+/-0.074 χ²/NDF: 366577.2/34
Left In: -146.523+/-0.046 χ²/NDF:29172.3/22
Left: -147.344+/-0.032 χ²/NDF: 78725.9/47
Right: -142.928+/-0.054 χ²/NDF: 544695.0/65
In: -147.956+/-0.040 χ²/NDF:185666.1/53
Out: -144.557+/-0.038 χ²/NDF:438859.2/59
All: -146.206+/-0.028 χ²/NDF: 628311.9/113



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: 196.337+/-0.762 χ^2/NDF: 7494.1/34

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

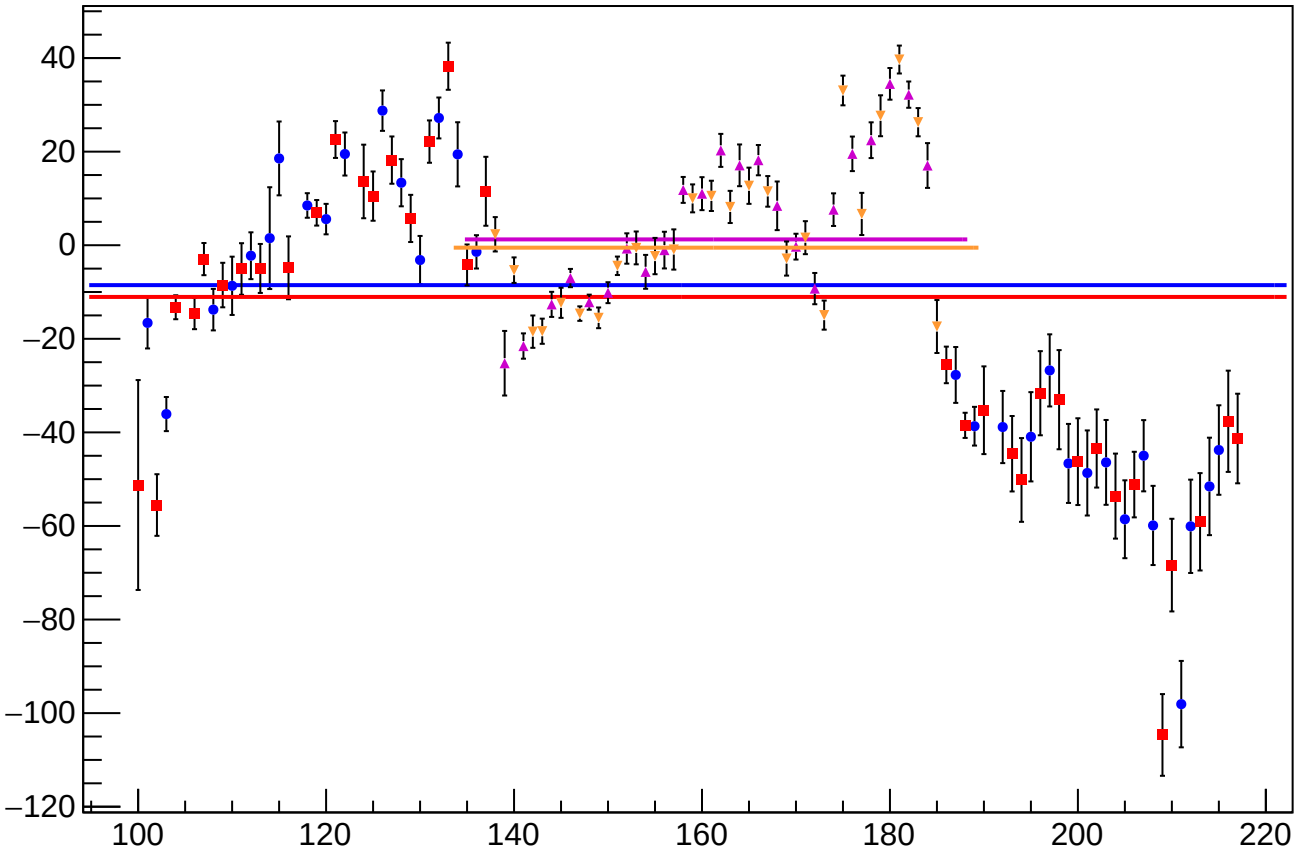
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 196.547+/-0.569 χ^2/NDF: 10990.6/65

In: 186.739+/-0.602 χ^2/NDF:5527.1/53

Out: 186.527+/-0.559 χ^2/NDF:10147.2/59

All: 186.625+/-0.410 χ^2/NDF: 15674.3/113



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: -11.052+/-0.860 χ^2/NDF: 849.7/34

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

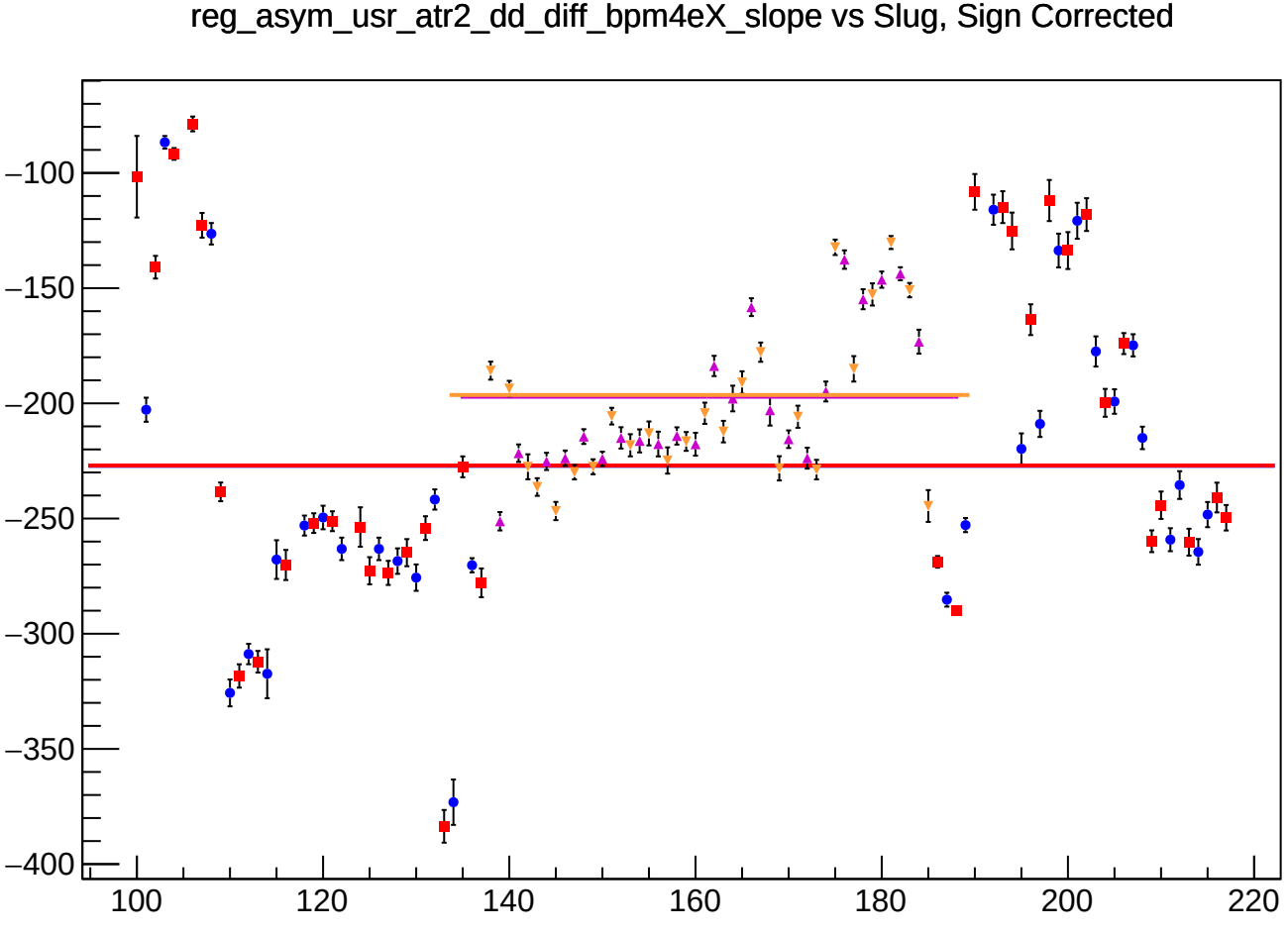
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -9.933+/-0.642 χ^2/NDF: 1608.9/65

In: -1.652+/-0.525 χ^2/NDF:1448.3/53

Out: -3.974+/-0.493 χ^2/NDF:1674.8/59

All: -2.886+/-0.359 χ^2/NDF: 3133.5/113



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: -226.975+/-0.750 χ^2/NDF: 10673.5/34

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

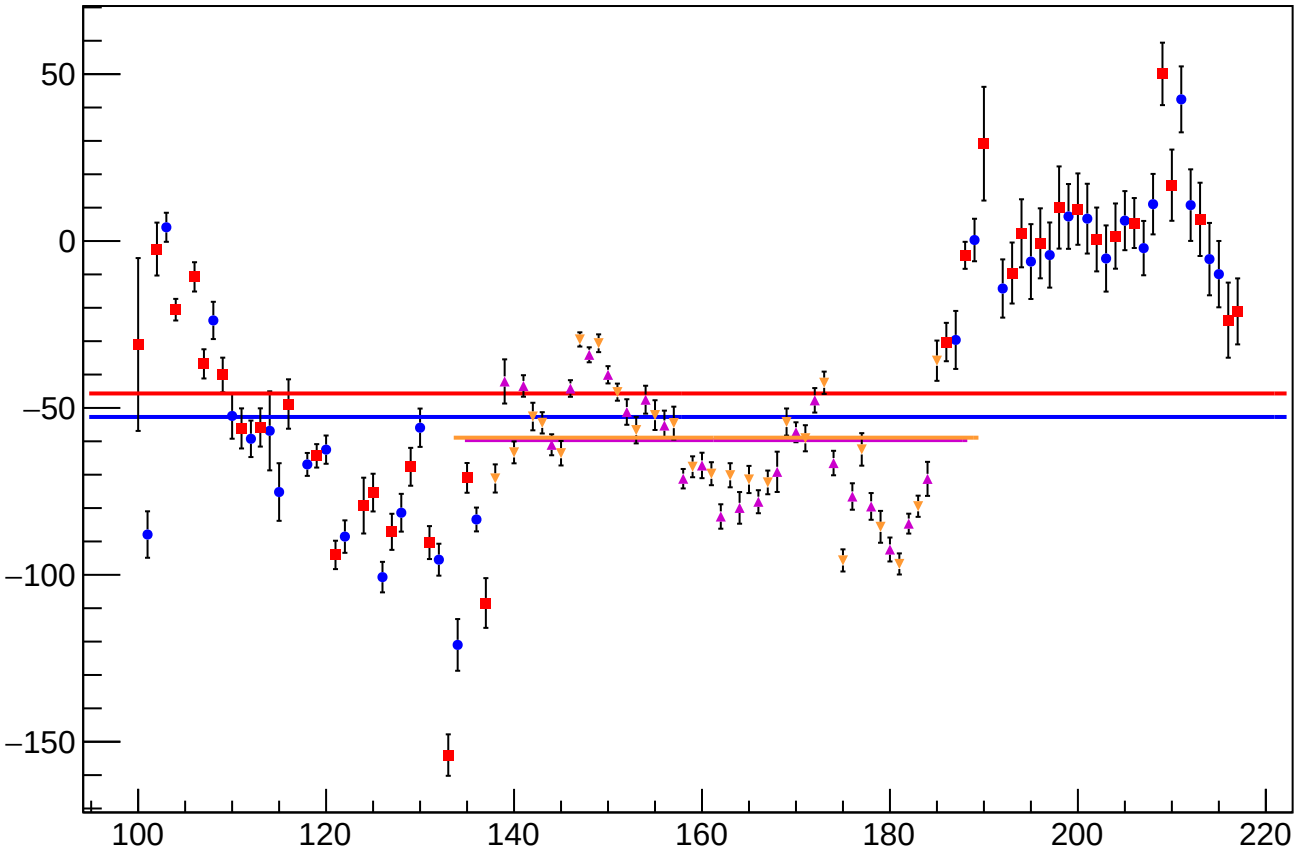
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -227.038+/-0.568 χ^2/NDF: 16615.5/65

In: -211.587+/-0.602 χ^2/NDF:8162.7/53

Out: -212.951+/-0.552 χ^2/NDF:13433.1/59

All: -212.328+/-0.407 χ^2/NDF: 21598.6/113



Right In: -52.707+/-1.126 χ^2/NDF: 1204.9/30

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -45.665+/-1.031 χ^2/NDF: 1429.0/34

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

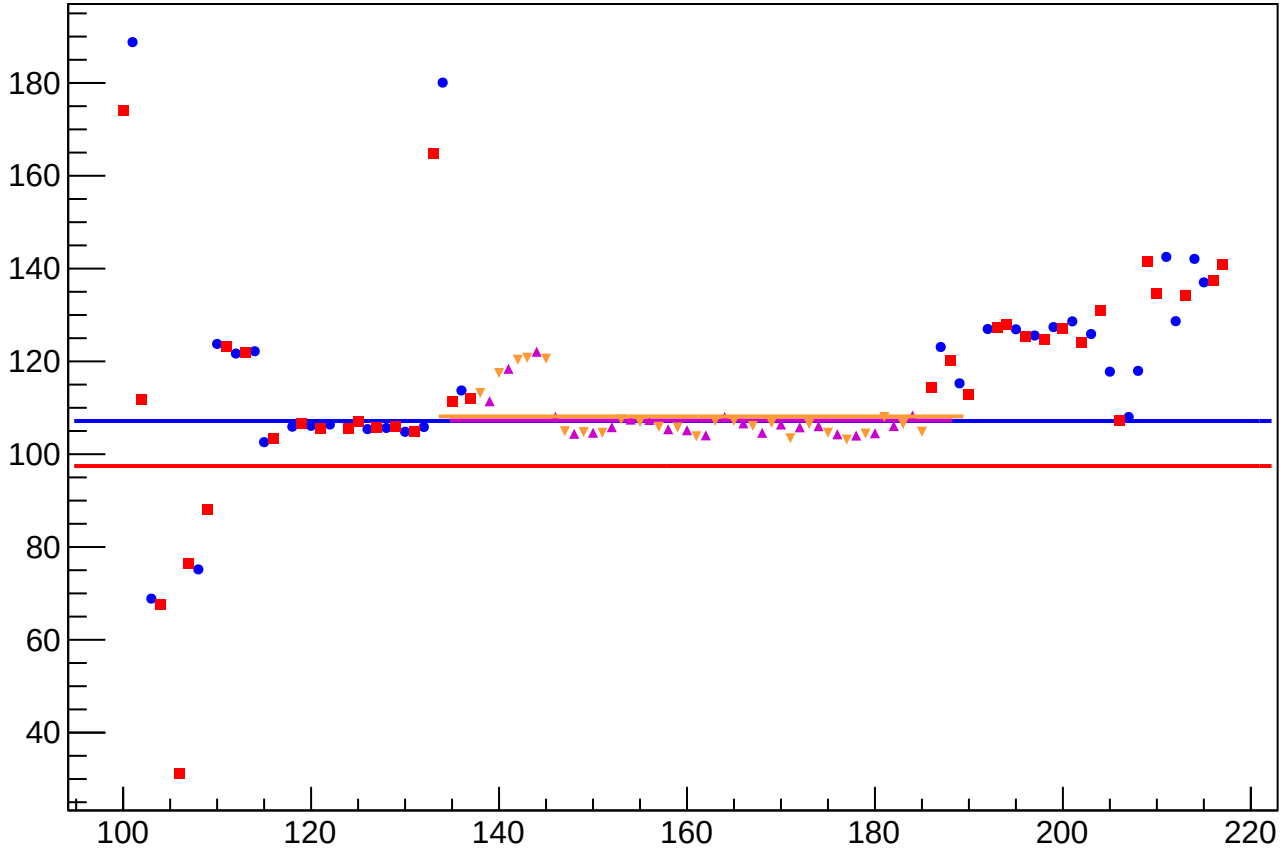
Right: -48.879+/-0.760 χ^2/NDF: 2655.2/65

In: -57.632+/-0.605 χ^2/NDF:1828.9/53

Out: -54.775+/-0.576 χ^2/NDF:2324.9/59

All: -56.133+/-0.417 χ^2/NDF: 4165.5/113

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: 97.450+/-0.050 χ^2/NDF: 418386.6/34

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

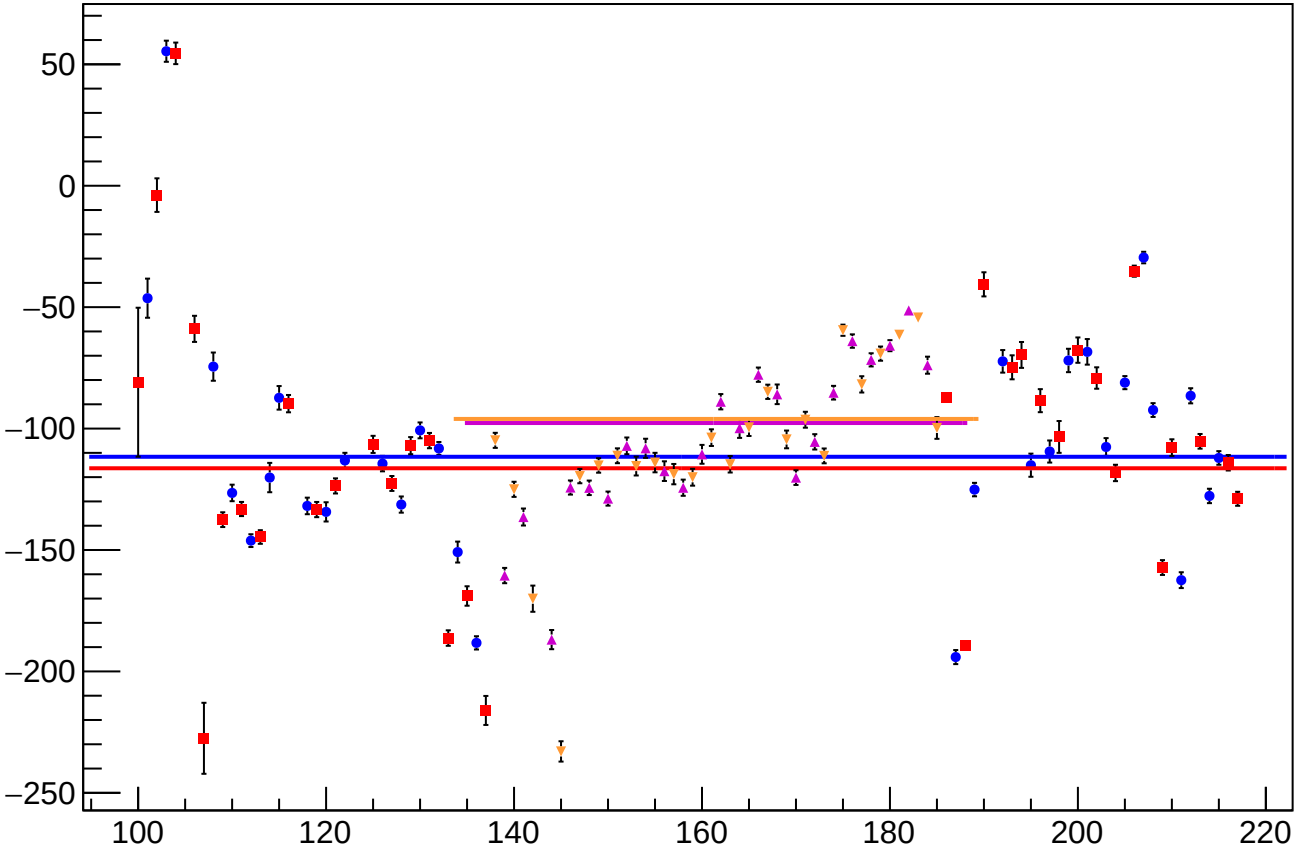
Right: 101.938+/-0.037 χ^2/NDF: 724602.0/65

In: 107.236+/-0.028 χ^2/NDF:305562.7/53

Out: 104.954+/-0.027 χ^2/NDF:477089.5/59

All: 106.061+/-0.020 χ^2/NDF: 786067.3/113

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: -116.342+/-0.566 χ^2/NDF: 7535.9/33

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

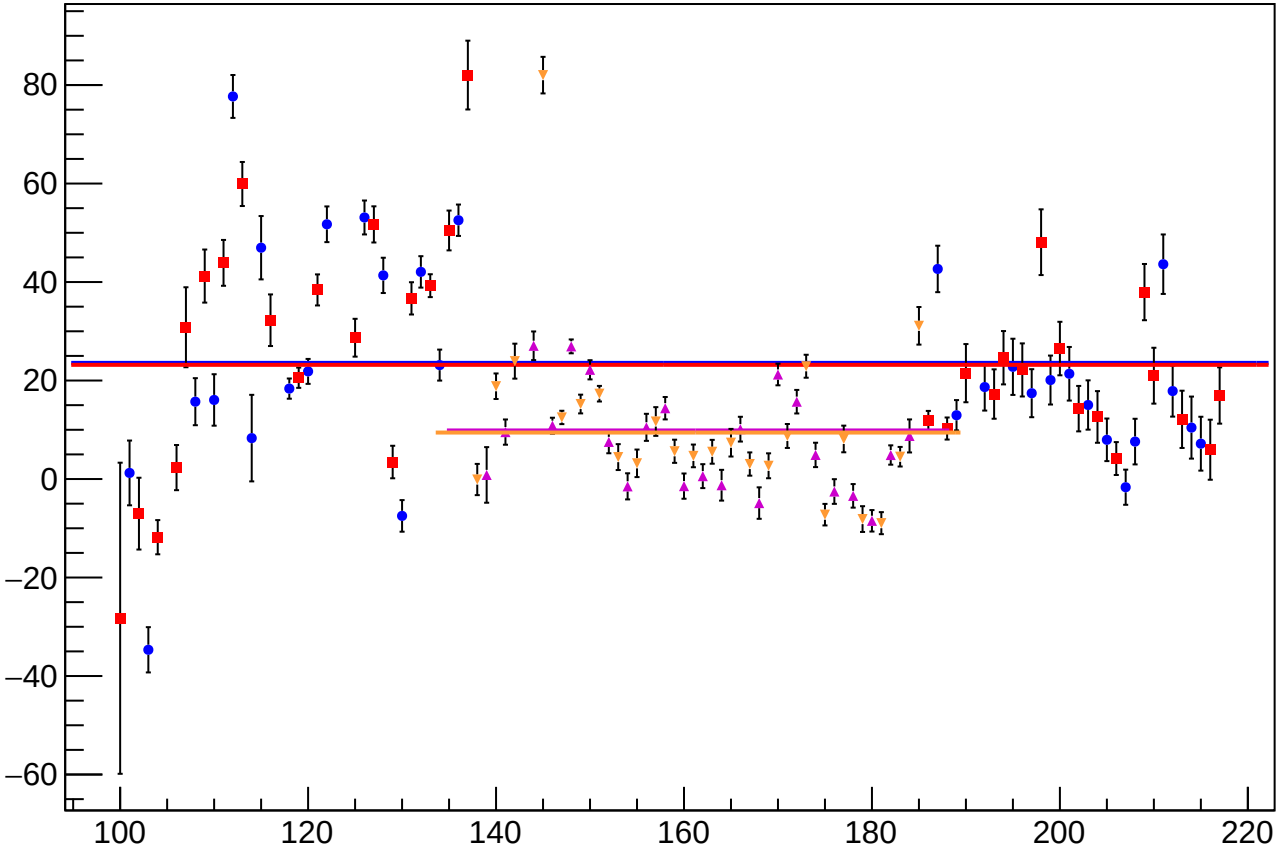
Right: -114.157+/-0.415 χ^2/NDF: 13099.6/64

In: -104.969+/-0.441 χ^2/NDF:8419.7/53

Out: -107.346+/-0.422 χ^2/NDF:10877.4/57

All: -106.210+/-0.305 χ^2/NDF: 19312.2/111

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 23.190+/-0.671 χ^2/NDF: 689.1/33

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

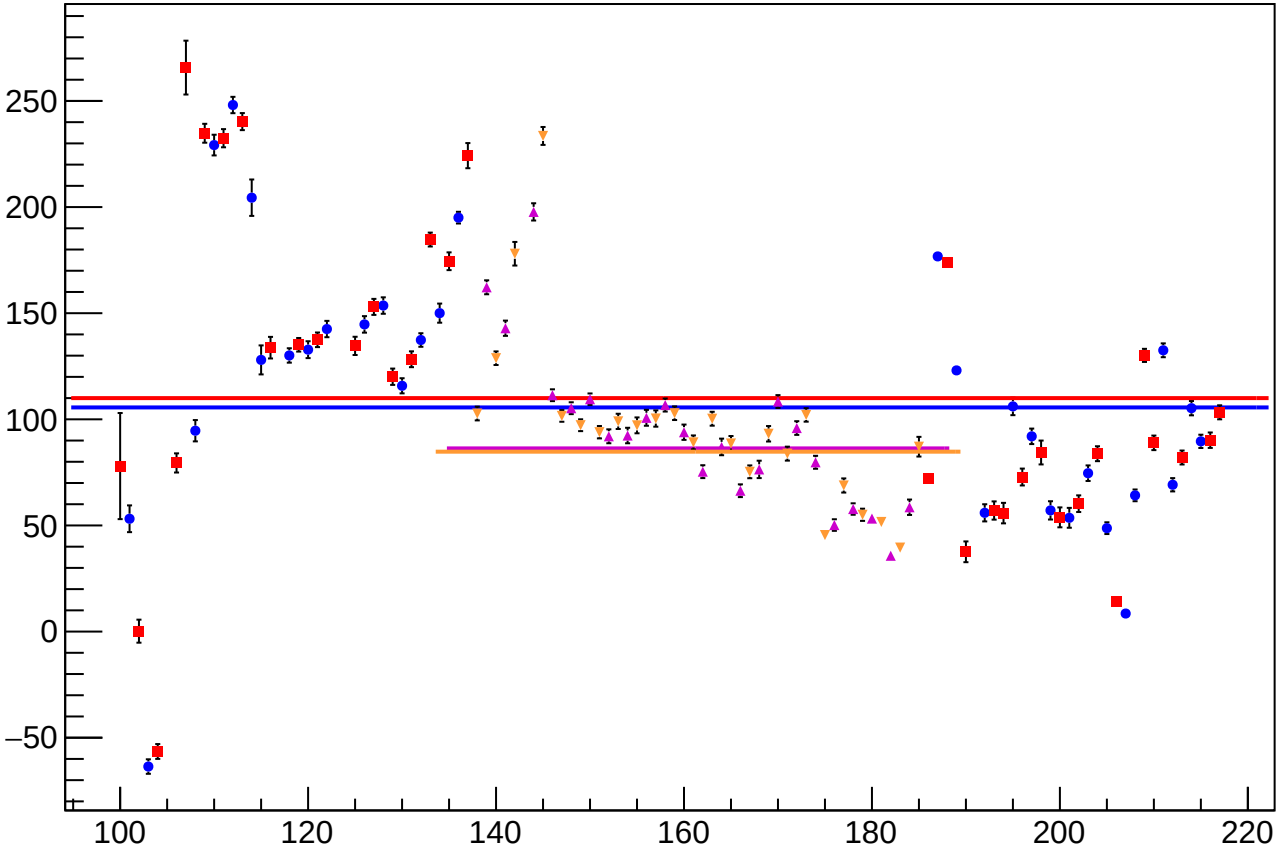
Right: 23.376+/-0.490 χ^2/NDF: 1547.4/64

In: 14.200+/-0.402 χ^2/NDF:1594.8/53

Out: 14.065+/-0.389 χ^2/NDF:1704.0/57

All: 14.131+/-0.280 χ^2/NDF: 3298.8/111

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 105.603+/-0.624 χ^2/NDF: 10543.3/30

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 109.995+/-0.555 χ^2/NDF: 13292.9/33

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

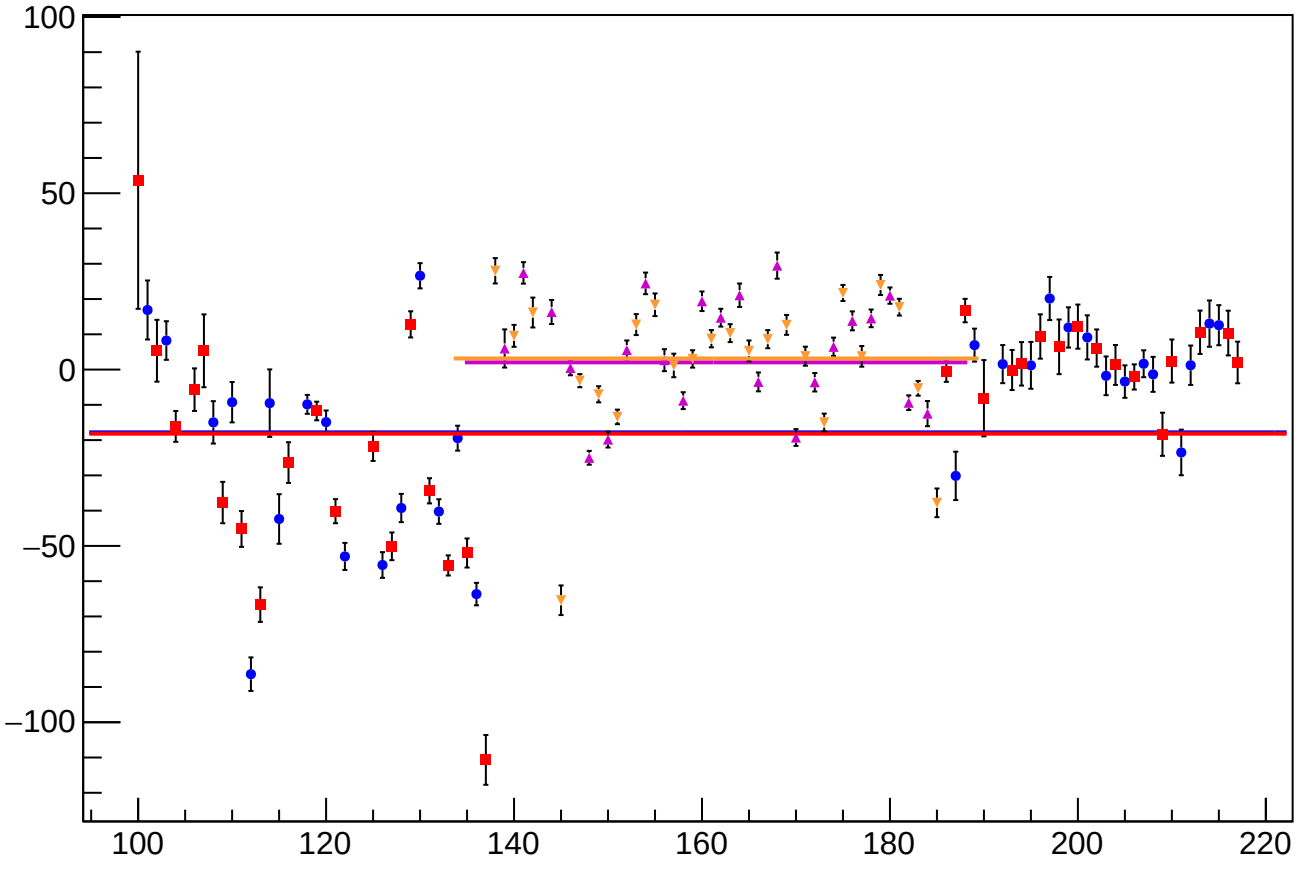
Right: 108.054+/-0.415 χ^2/NDF: 23863.9/64

In: 96.078+/-0.444 χ^2/NDF:14168.9/53

Out: 98.951+/-0.416 χ^2/NDF:17308.2/57

All: 97.607+/-0.304 χ^2/NDF: 31499.4/111

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: -18.175+/-0.800 χ^2/NDF: 1112.1/33

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

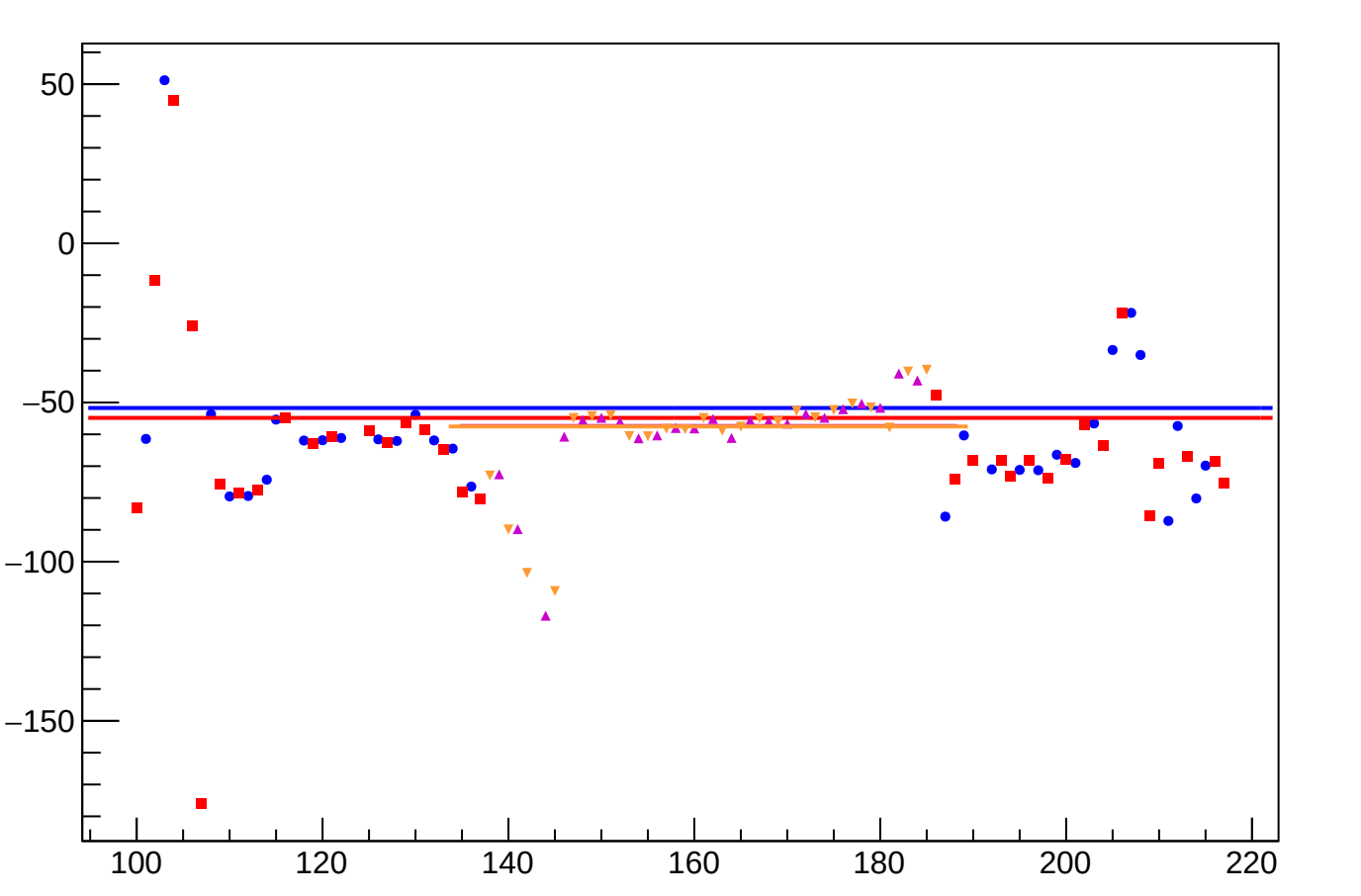
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -17.995+/-0.575 χ^2/NDF: 2261.2/64

In: -4.058+/-0.458 χ^2/NDF:2399.2/53

Out: -3.589+/-0.450 χ^2/NDF:2412.2/57

All: -3.819+/-0.321 χ^2/NDF: 4811.9/111



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: -54.838+/-0.040 χ^2/NDF: 641865.4/33

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

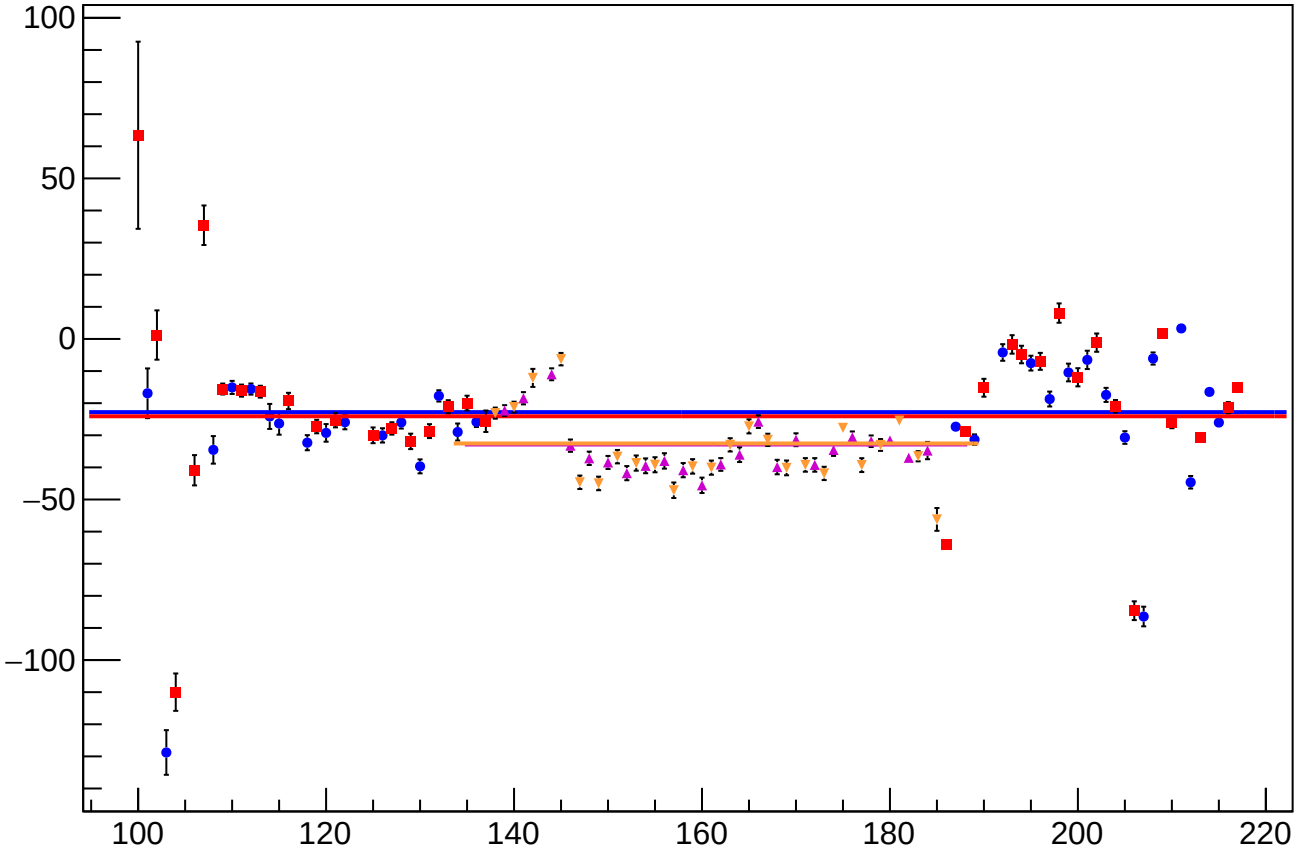
Right: -53.280+/-0.028 χ^2/NDF: 1374164.5/64

In: -55.803+/-0.021 χ^2/NDF:970906.9/53

Out: -56.782+/-0.021 χ^2/NDF:912190.2/57

All: -56.292+/-0.015 χ^2/NDF: 1884182.2/111

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: -24.079+/-0.352 χ^2/NDF: 2421.8/33

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

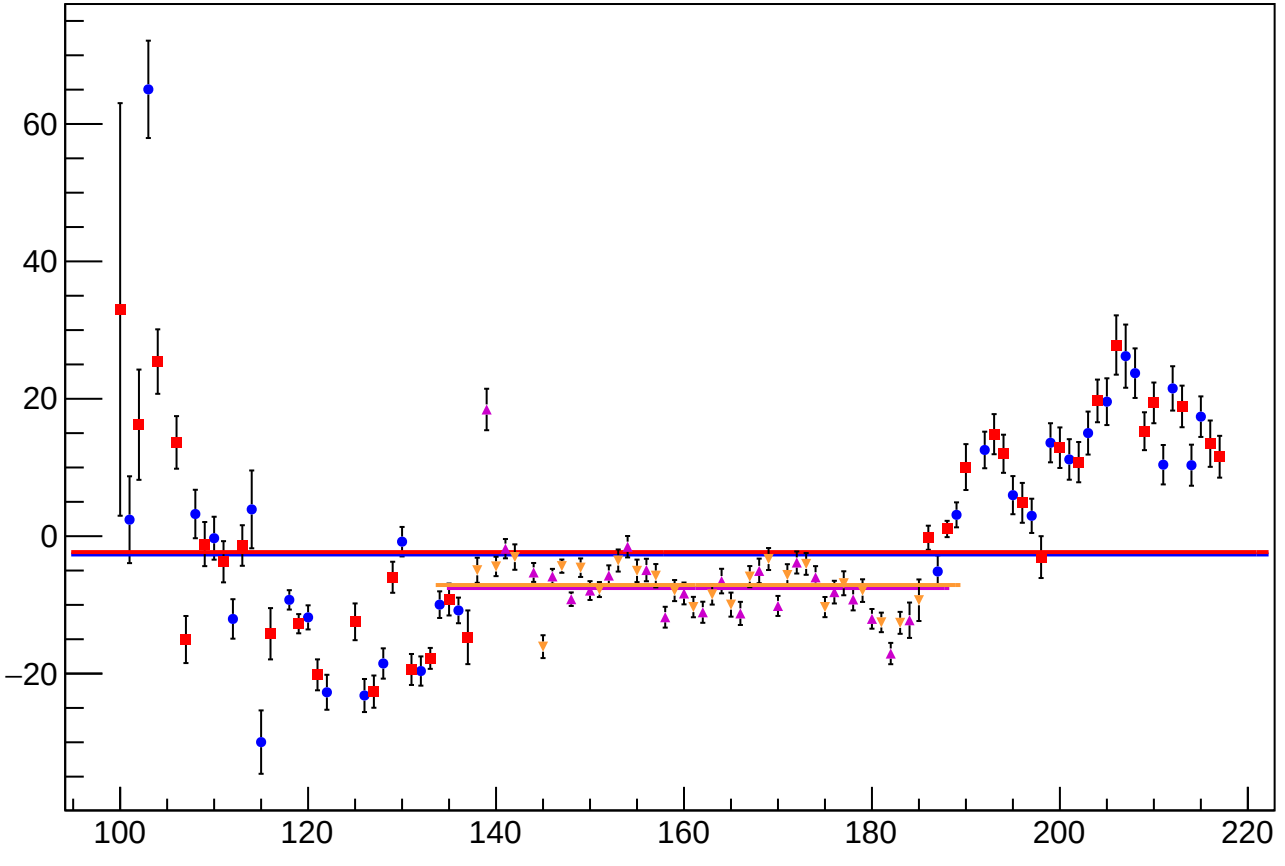
Right: -23.481+/-0.258 χ^2/NDF: 3970.7/64

In: -27.406+/-0.278 χ^2/NDF:2241.1/53

Out: -27.709+/-0.266 χ^2/NDF:3273.4/57

All: -27.565+/-0.192 χ^2/NDF: 5515.1/111

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.662+/-0.462 χ^2/NDF: 898.4/30

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -2.316+/-0.436 χ^2/NDF: 895.5/33

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

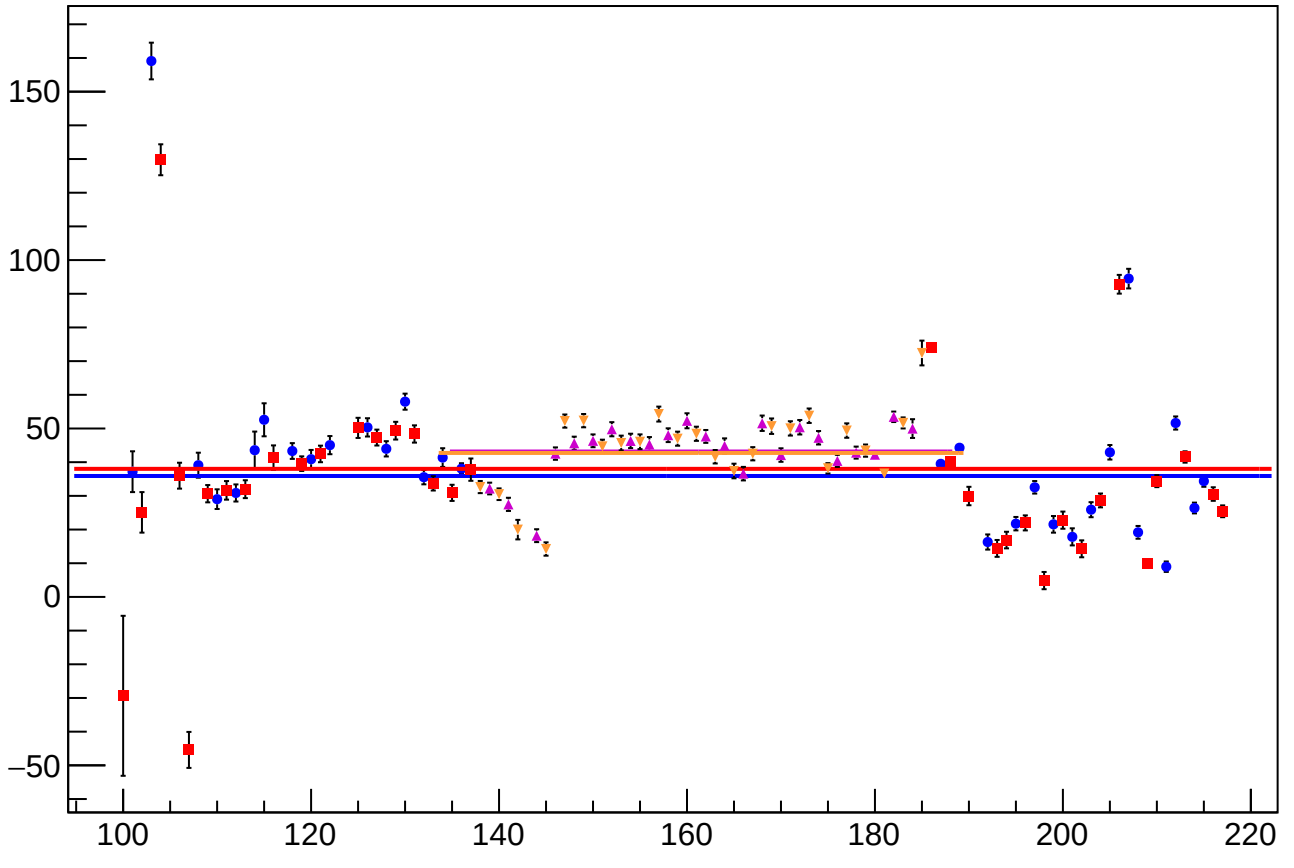
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -2.479+/-0.317 χ^2/NDF: 1794.2/64

In: -5.995+/-0.260 χ^2/NDF:1174.5/53

Out: -5.507+/-0.252 χ^2/NDF:1085.3/57

All: -5.743+/-0.181 χ^2/NDF: 2261.7/111



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: 38.023+/-0.348 χ^2/NDF: 3144.7/33

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

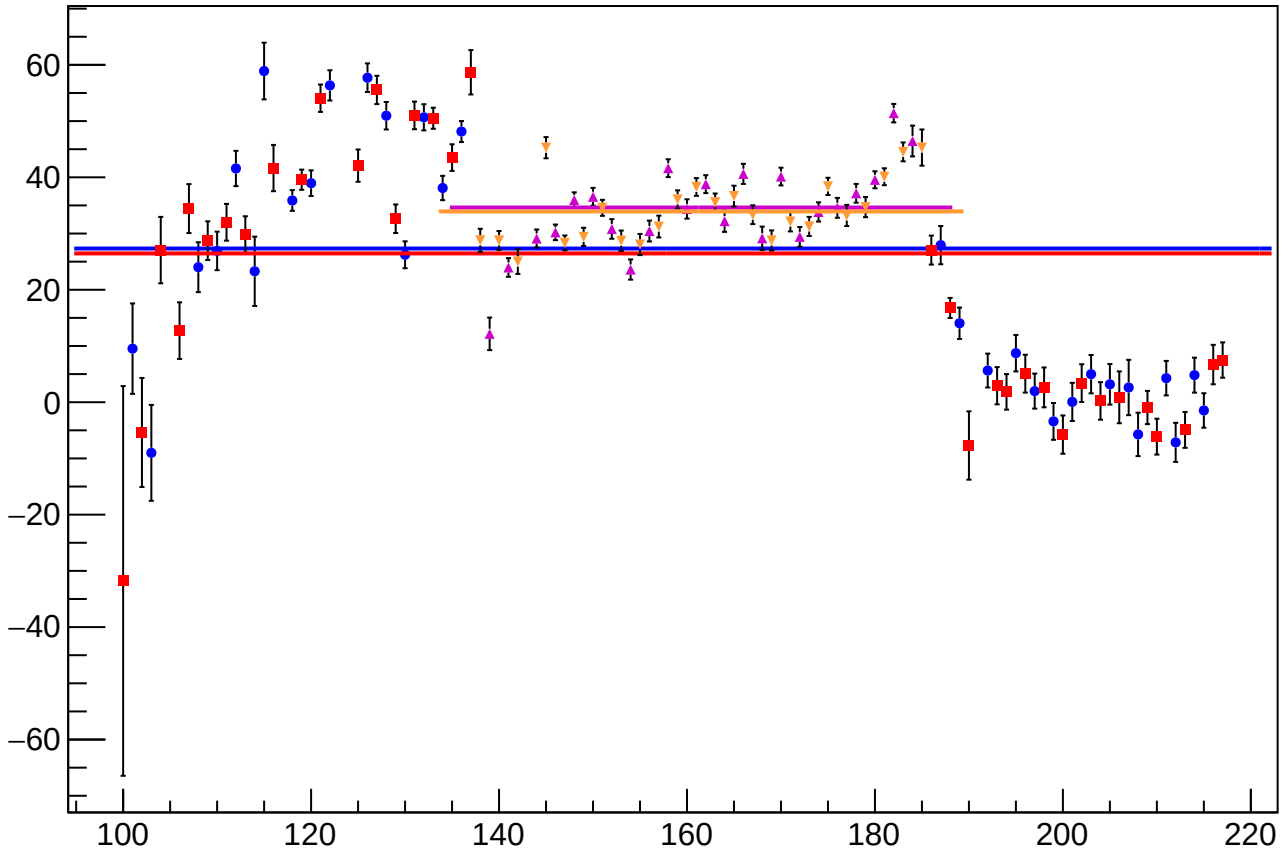
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 37.070+/-0.258 χ^2/NDF: 5031.8/64

In: 39.336+/-0.280 χ^2/NDF:2451.5/53

Out: 40.039+/-0.264 χ^2/NDF:3854.8/57

All: 39.709+/-0.192 χ^2/NDF: 6309.6/111



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: 26.460+/-0.518 χ^2/NDF: 1619.4/33

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

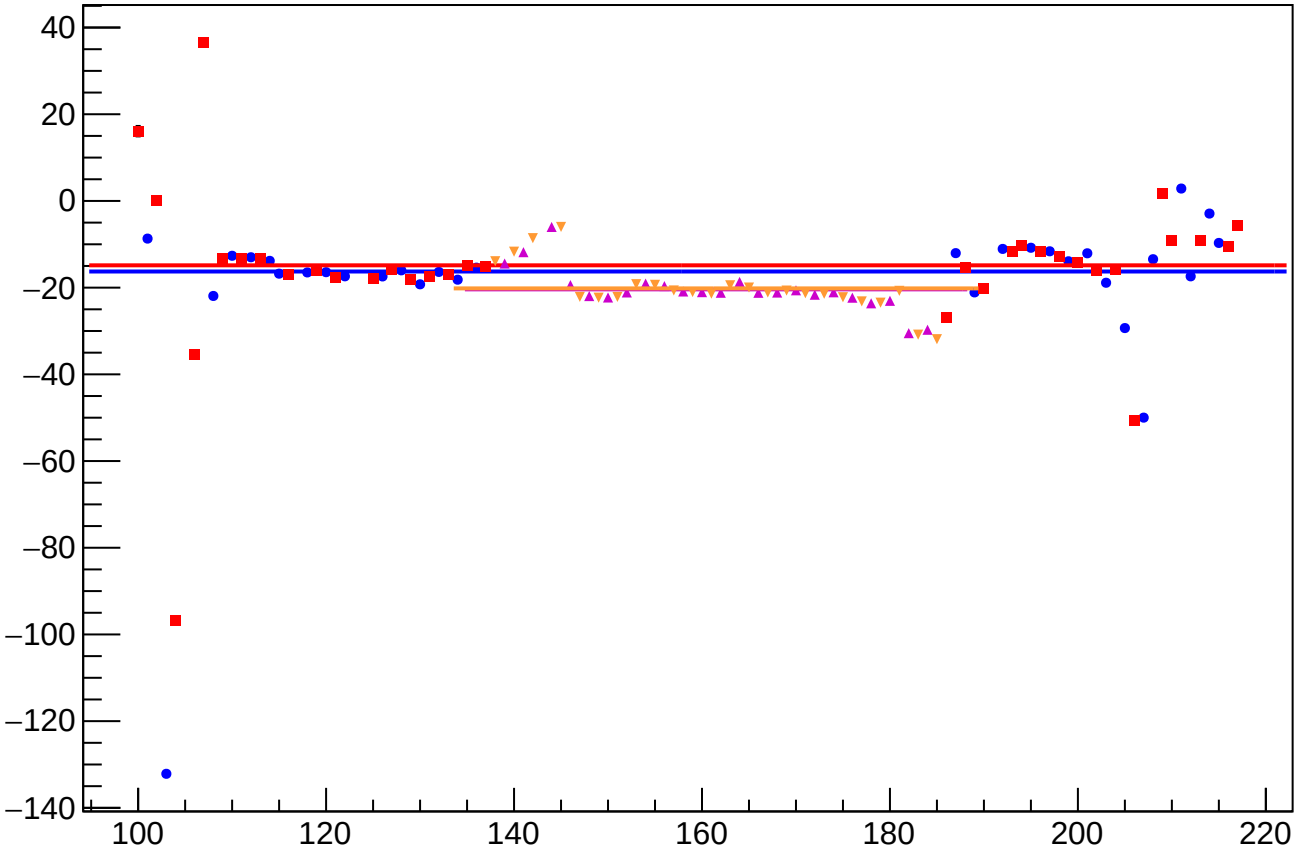
Right: 26.884+/-0.372 χ^2/NDF: 3162.8/64

In: 32.376+/-0.296 χ^2/NDF:2047.1/53

Out: 31.581+/-0.290 χ^2/NDF:1978.6/57

All: 31.970+/-0.207 χ^2/NDF: 4029.4/111

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: -14.852+/-0.025 χ^2/NDF: 278742.4/33

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

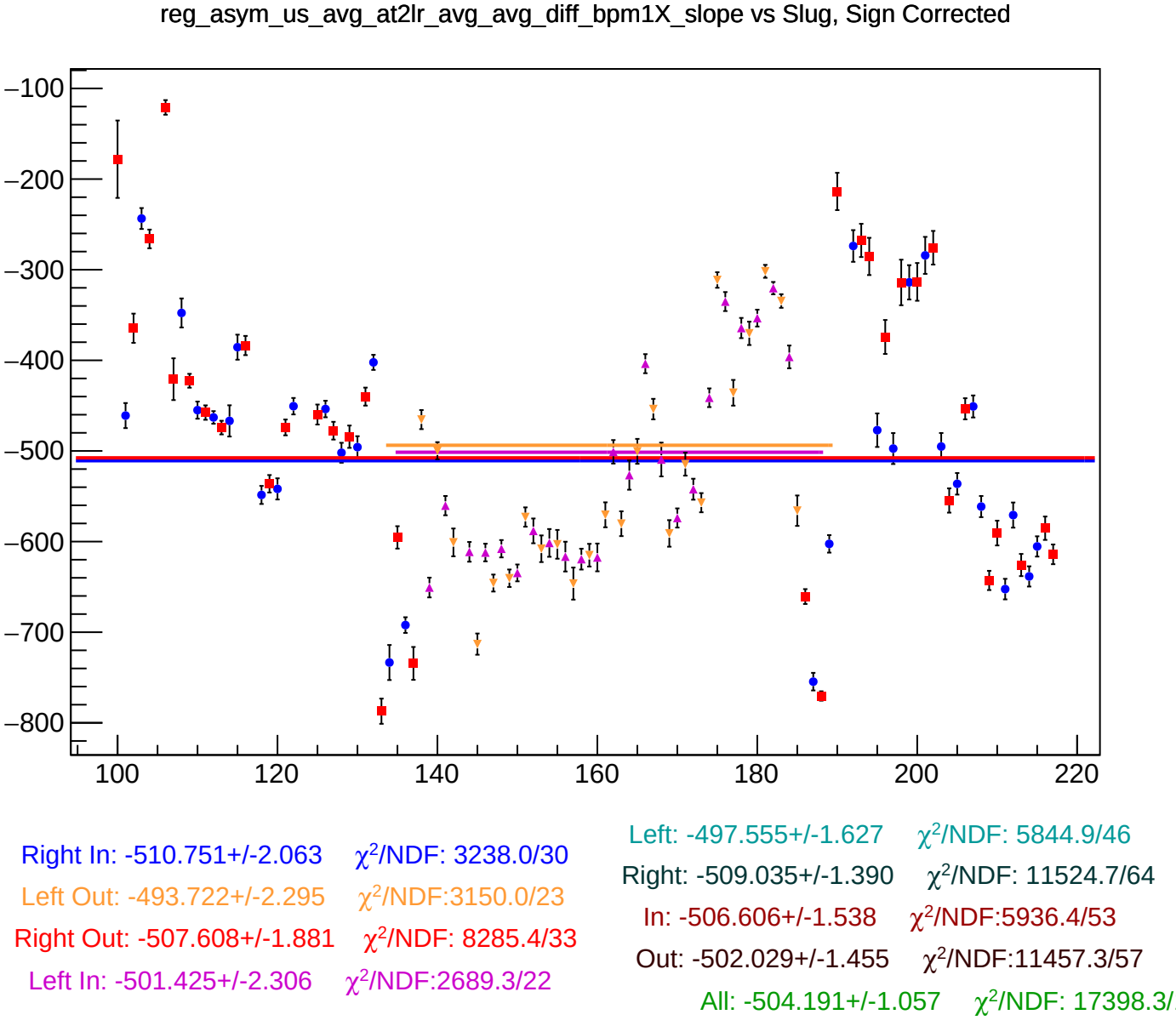
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -15.551+/-0.018 χ^2/NDF: 612444.6/64

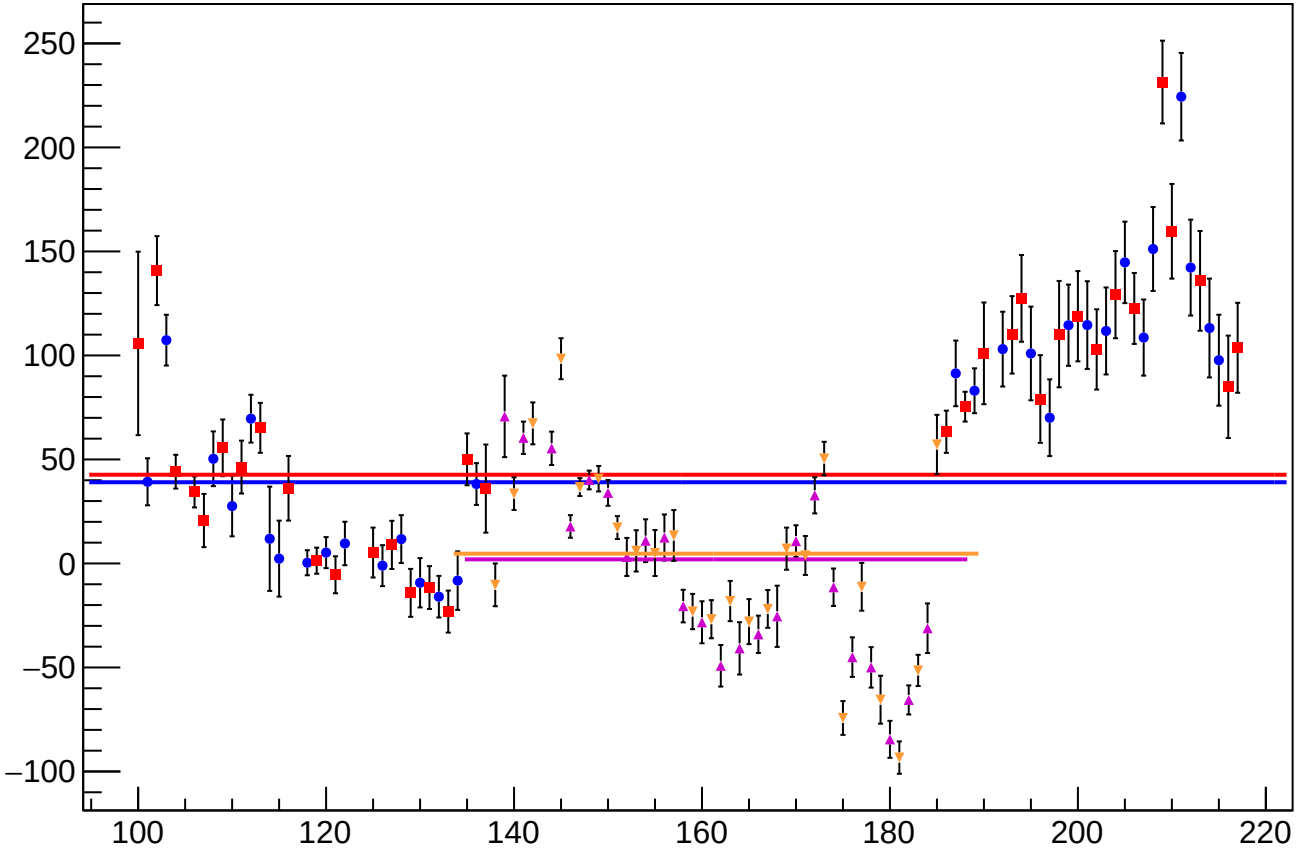
In: -19.277+/-0.013 χ^2/NDF:431810.8/53

Out: -18.689+/-0.013 χ^2/NDF:410455.6/57

All: -18.982+/-0.009 χ^2/NDF: 843225.6/111


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
120
140
160
180
200
220
Right In: -510.751+/-2.063 χ²/NDF: 3238.0/30
Left Out: -493.722+/-2.295 χ²/NDF:3150.0/23
Right Out: -507.608+/-1.881 χ²/NDF: 8285.4/33
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
Left: -497.555+/-1.627 χ²/NDF: 5844.9/46
Right: -509.035+/-1.390 χ²/NDF: 11524.7/64
In: -506.606+/-1.538 χ²/NDF:5936.4/53
Out: -502.029+/-1.455 χ²/NDF:11457.3/57
All: -504.191+/-1.057 χ²/NDF: 17398.3/111

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 42.652+/-2.160 χ^2/NDF: 505.8/33

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

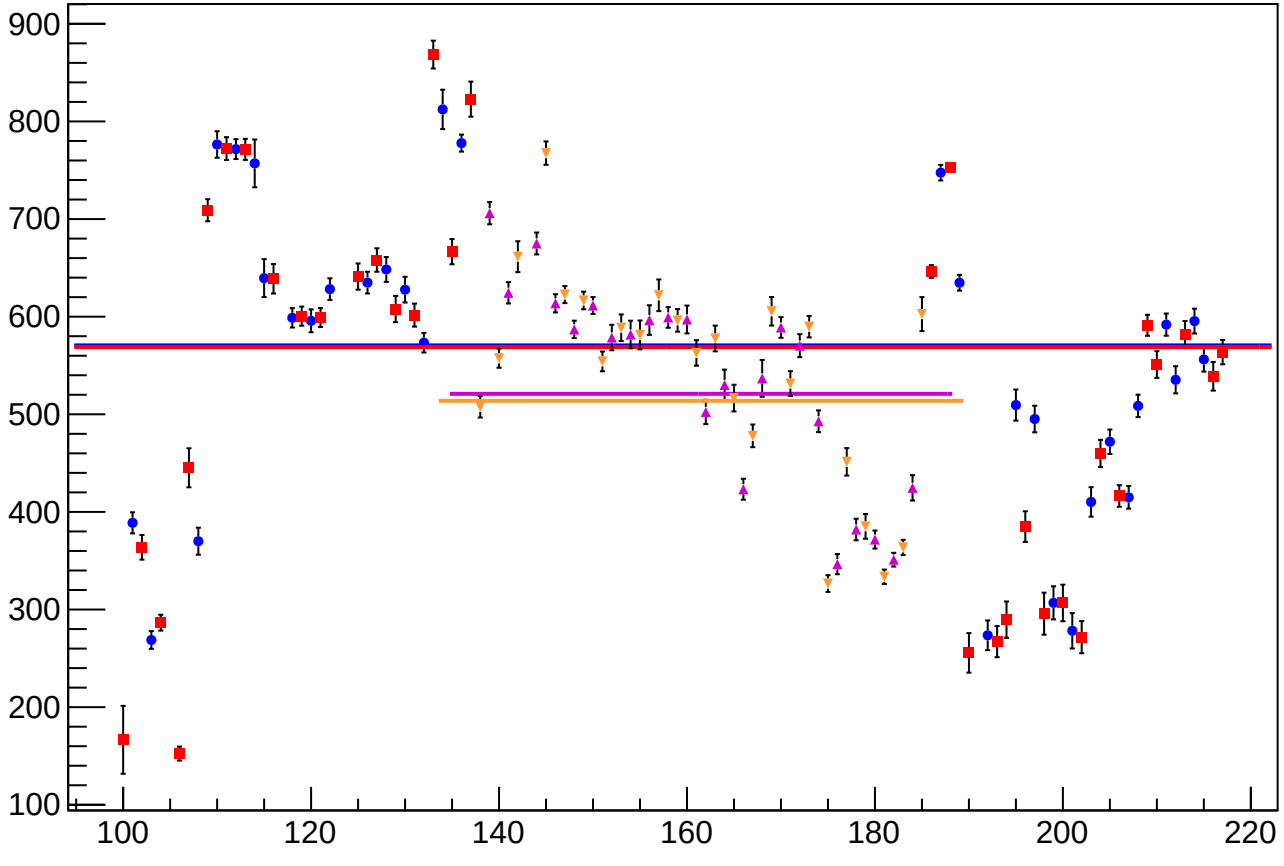
Right: 40.976+/-1.581 χ^2/NDF: 982.1/64

In: 15.137+/-1.383 χ^2/NDF:1200.4/53

Out: 19.178+/-1.334 χ^2/NDF:1377.1/57

All: 17.231+/-0.960 χ^2/NDF: 2581.9/111

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: 568.973+/-1.890 χ^2/NDF: 10678.2/33

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

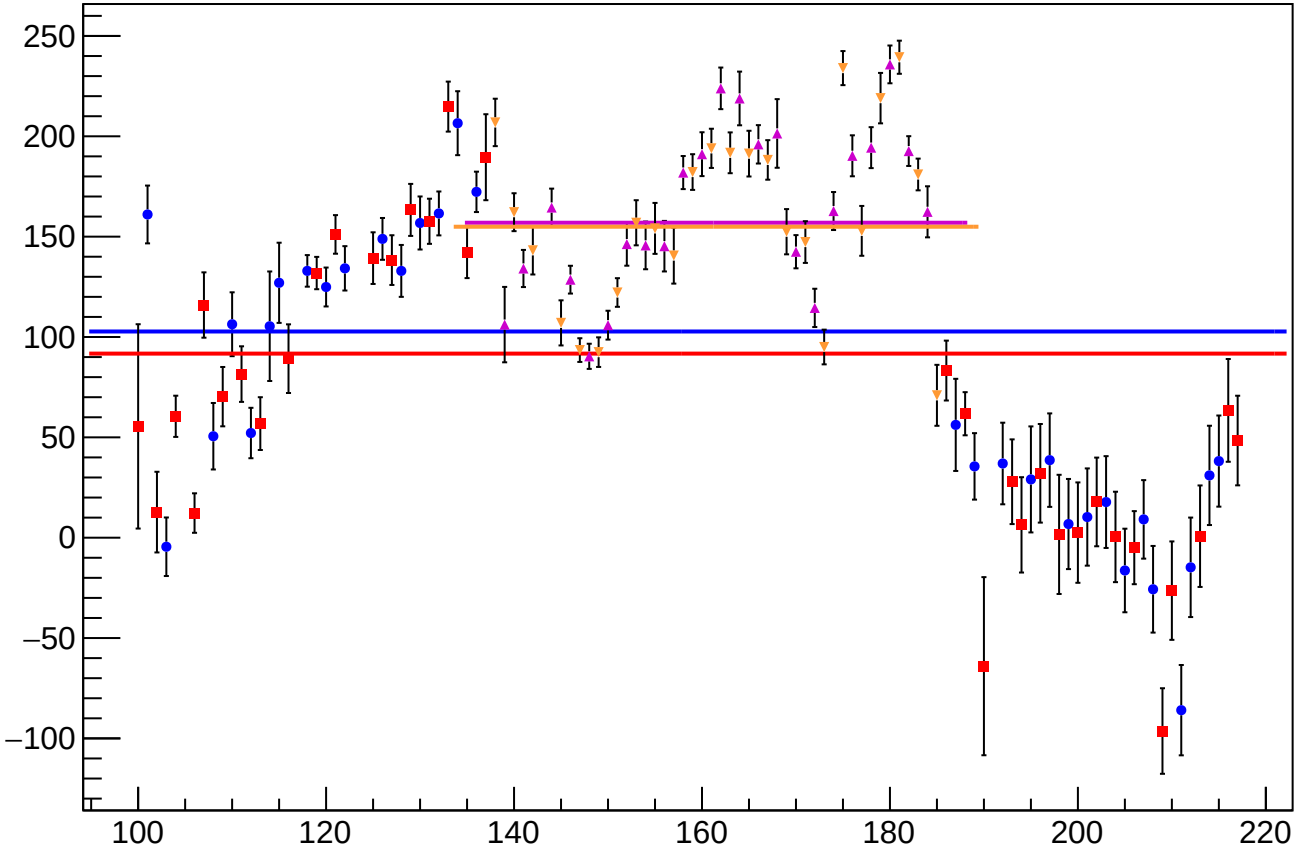
Right: 569.683+/-1.416 χ^2/NDF: 15694.3/64

In: 547.435+/-1.560 χ^2/NDF:7710.2/53

Out: 546.481+/-1.454 χ^2/NDF:13760.9/57

All: 546.924+/-1.064 χ^2/NDF: 21471.4/111

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: 91.723+/-2.574 χ^2/NDF: 637.3/33

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

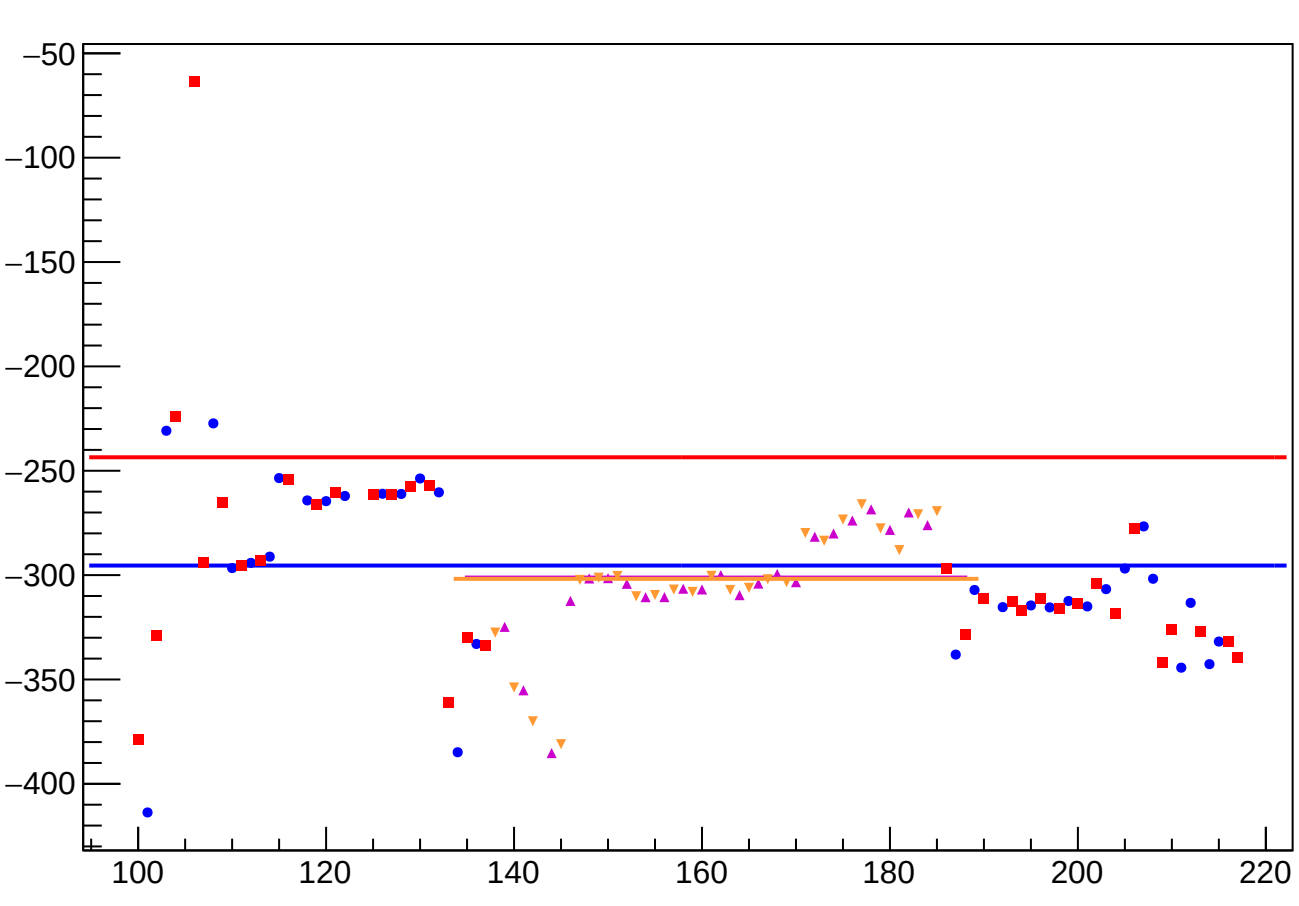
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 96.956+/-1.865 χ^2/NDF: 1226.5/64

In: 138.159+/-1.594 χ^2/NDF:1285.5/53

Out: 131.841+/-1.556 χ^2/NDF:1629.2/57

All: 134.925+/-1.113 χ^2/NDF: 2922.7/111



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: -243.545+/-0.121 χ^2/NDF: 713022.6/33

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

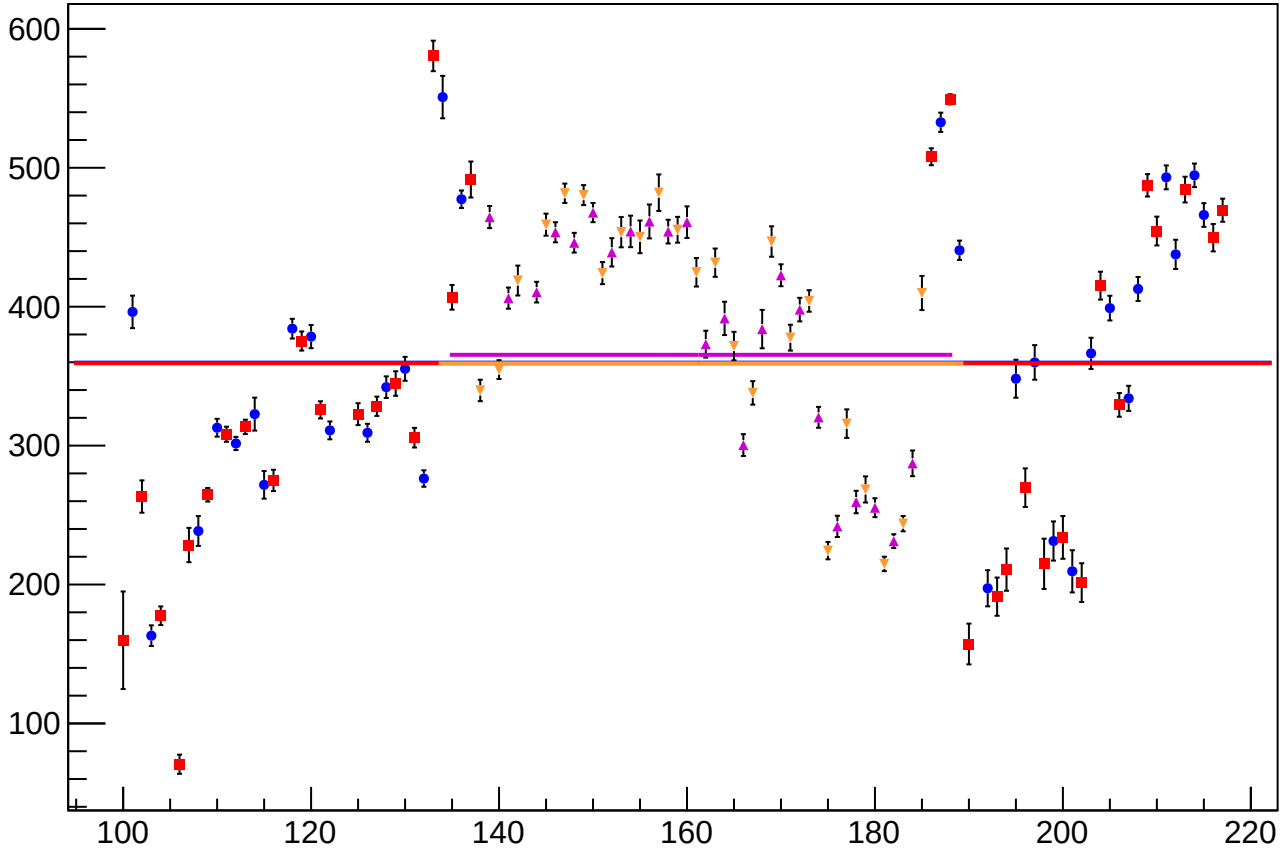
Right: -266.187+/-0.091 χ^2/NDF: 911335.9/64

In: -299.454+/-0.075 χ^2/NDF:194987.0/53

Out: -280.866+/-0.073 χ^2/NDF:947548.2/57

All: -289.823+/-0.052 χ^2/NDF: 1174056.0/11

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: 359.281+/-1.347 χ^2/NDF: 8903.5/33

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

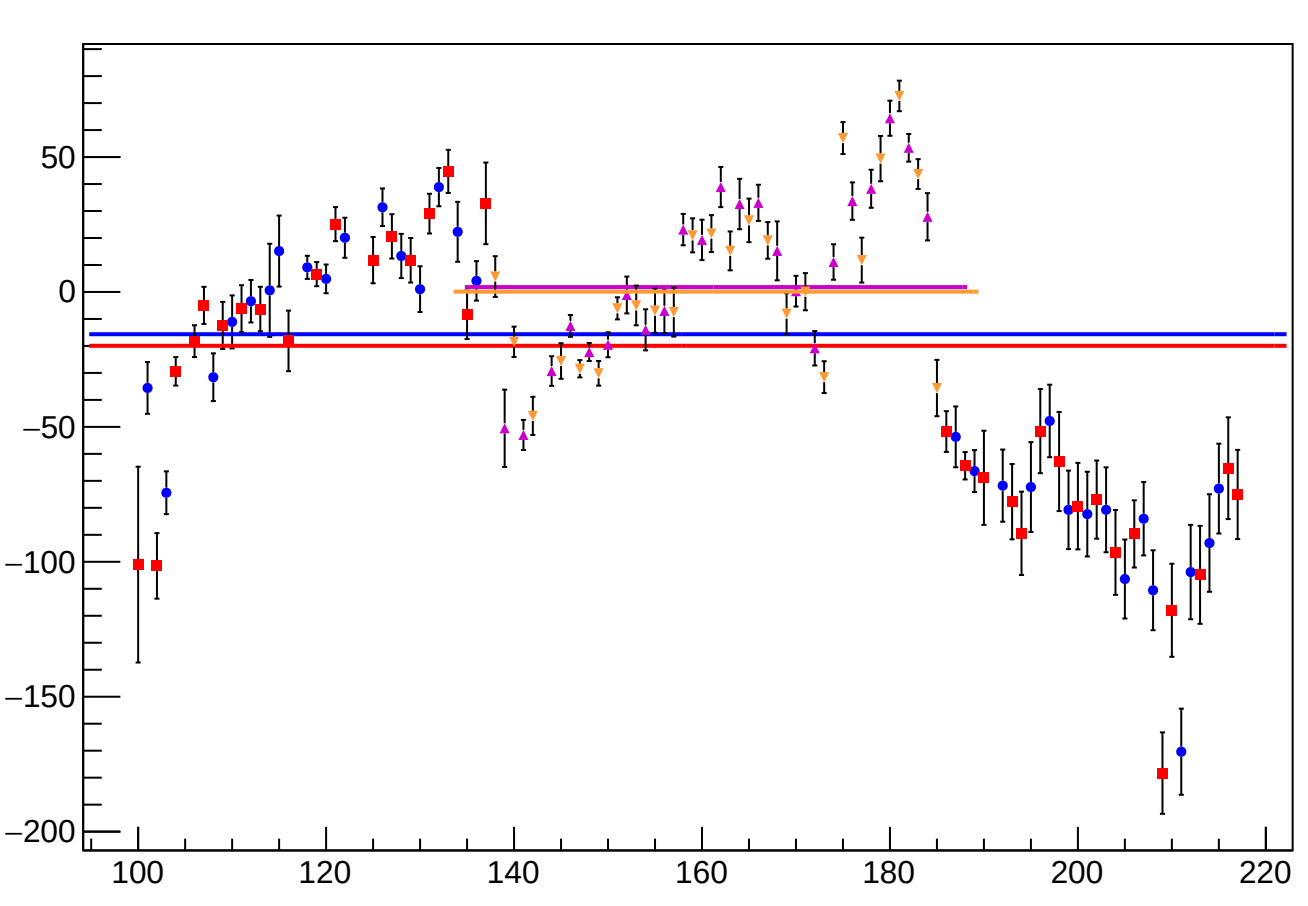
Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

Right: 359.480+/-0.997 χ^2/NDF: 12737.3/64

In: 362.170+/-1.115 χ^2/NDF:6579.5/53

Out: 359.245+/-1.051 χ^2/NDF:12091.4/57

All: 360.621+/-0.765 χ^2/NDF: 18674.6/111



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: -19.952+/-1.535 χ^2/NDF: 741.7/33

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

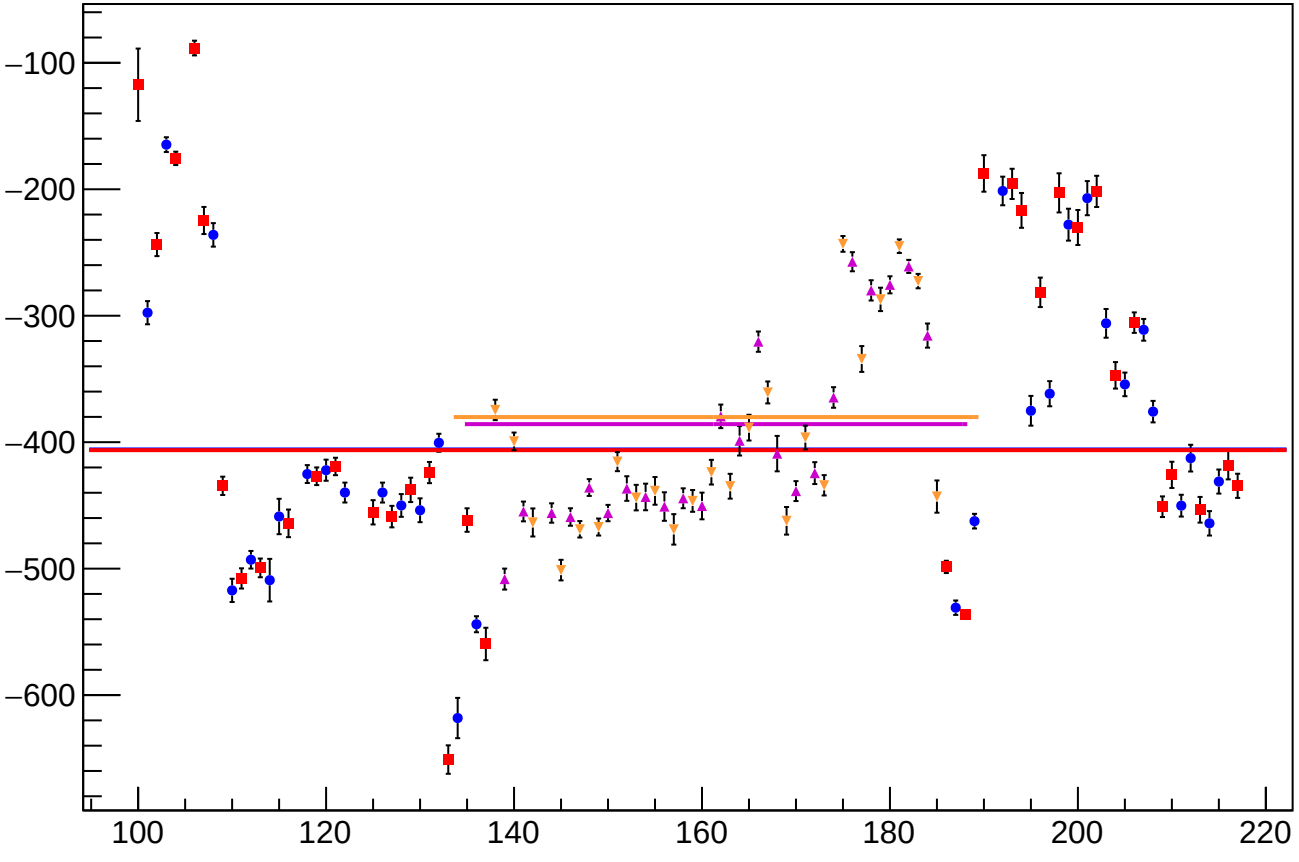
Right: -17.984+/-1.129 χ^2/NDF: 1426.6/64

In: -4.585+/-1.009 χ^2/NDF:1327.9/53

Out: -7.860+/-0.968 χ^2/NDF:1482.6/57

All: -6.290+/-0.698 χ^2/NDF: 2816.0/111

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -405.757+/-1.542 χ^2/NDF: 4938.8/30

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -406.305+/-1.359 χ^2/NDF: 10724.8/33

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

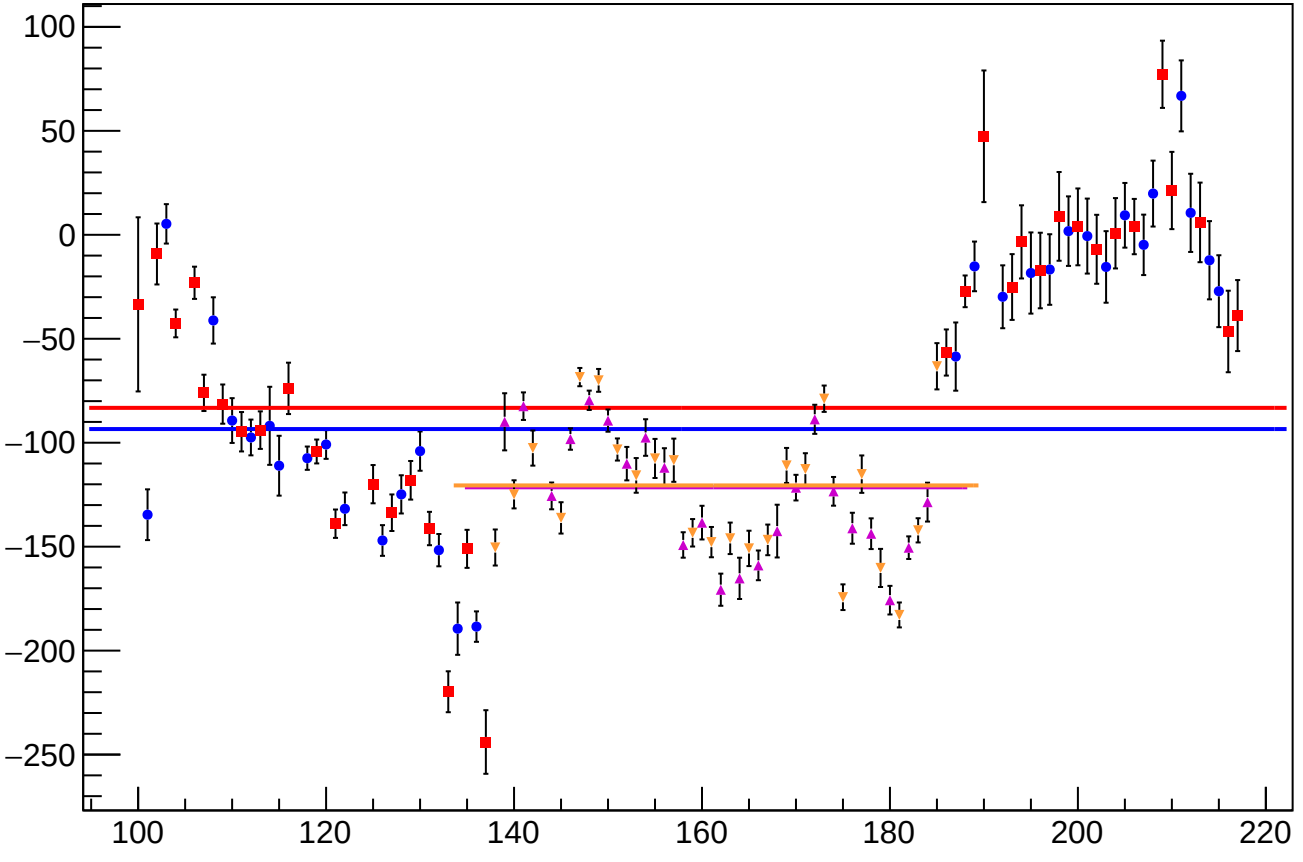
Right: -406.065+/-1.020 χ^2/NDF: 15663.7/64

In: -396.582+/-1.135 χ^2/NDF:7377.4/53

Out: -395.878+/-1.054 χ^2/NDF:13491.1/57

All: -396.204+/-0.772 χ^2/NDF: 20868.7/111

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: -83.235+/-1.830 χ^2/NDF: 1097.0/33

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

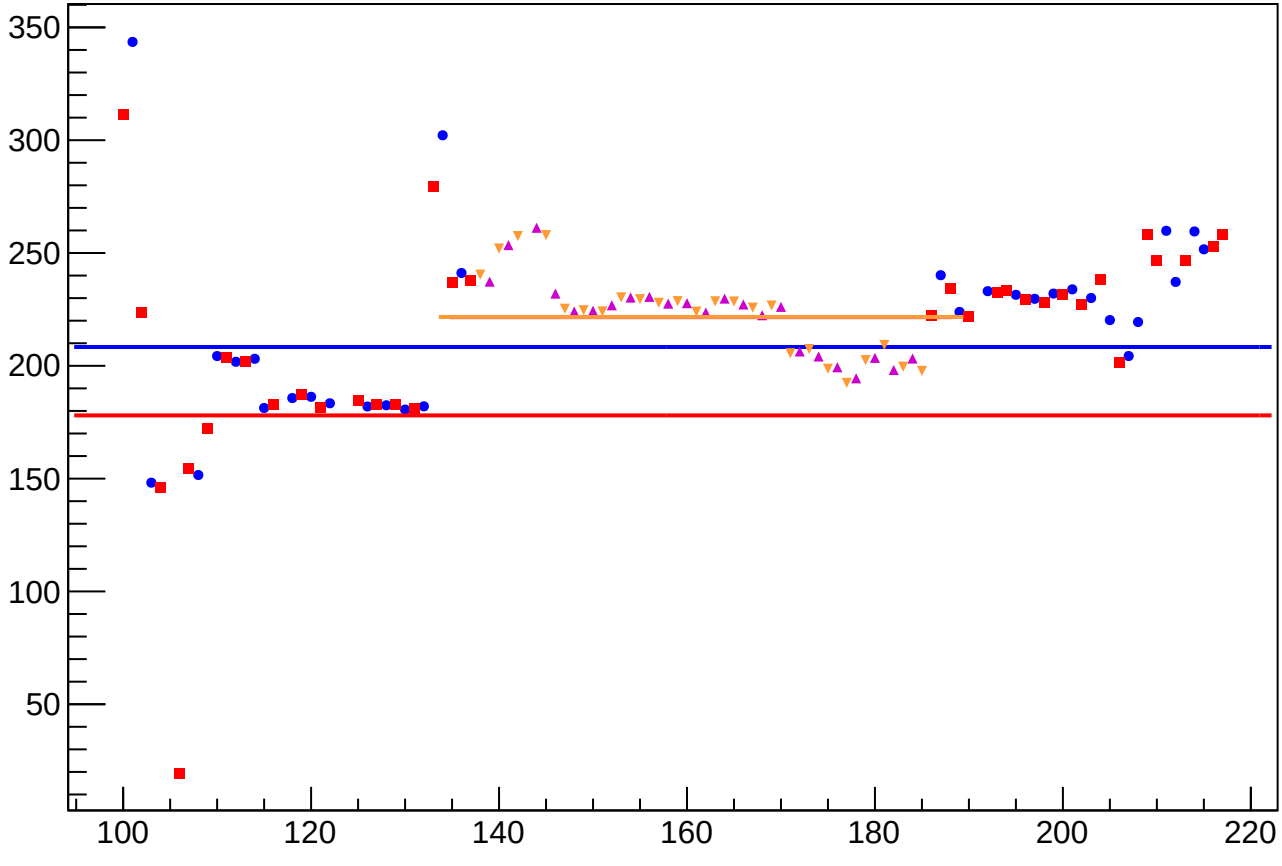
Right: -88.020+/-1.333 χ^2/NDF: 2098.7/64

In: -111.450+/-1.162 χ^2/NDF:1553.1/53

Out: -106.330+/-1.129 χ^2/NDF:1965.9/57

All: -108.816+/-0.810 χ^2/NDF: 3529.0/111

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: 178.025+/-0.090 χ^2/NDF: 685702.1/33

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

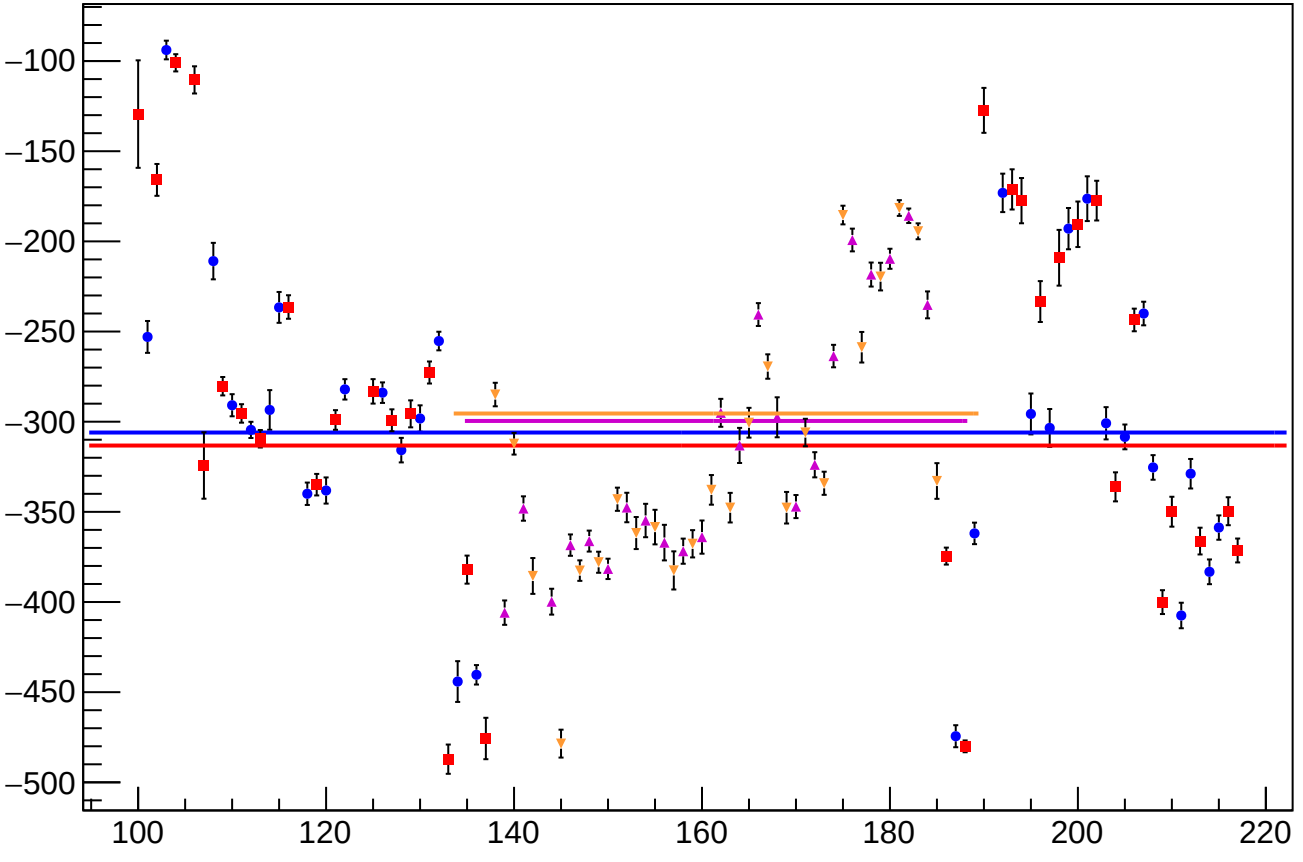
Right: 191.721+/-0.066 χ^2/NDF: 949428.0/64

In: 217.474+/-0.055 χ^2/NDF:286653.0/53

Out: 206.131+/-0.054 χ^2/NDF:905216.4/57

All: 211.647+/-0.038 χ^2/NDF: 1213713.2/11

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -306.009+/-1.253 χ^2/NDF: 4552.0/30

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -313.225+/-1.165 χ^2/NDF: 8113.1/33

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

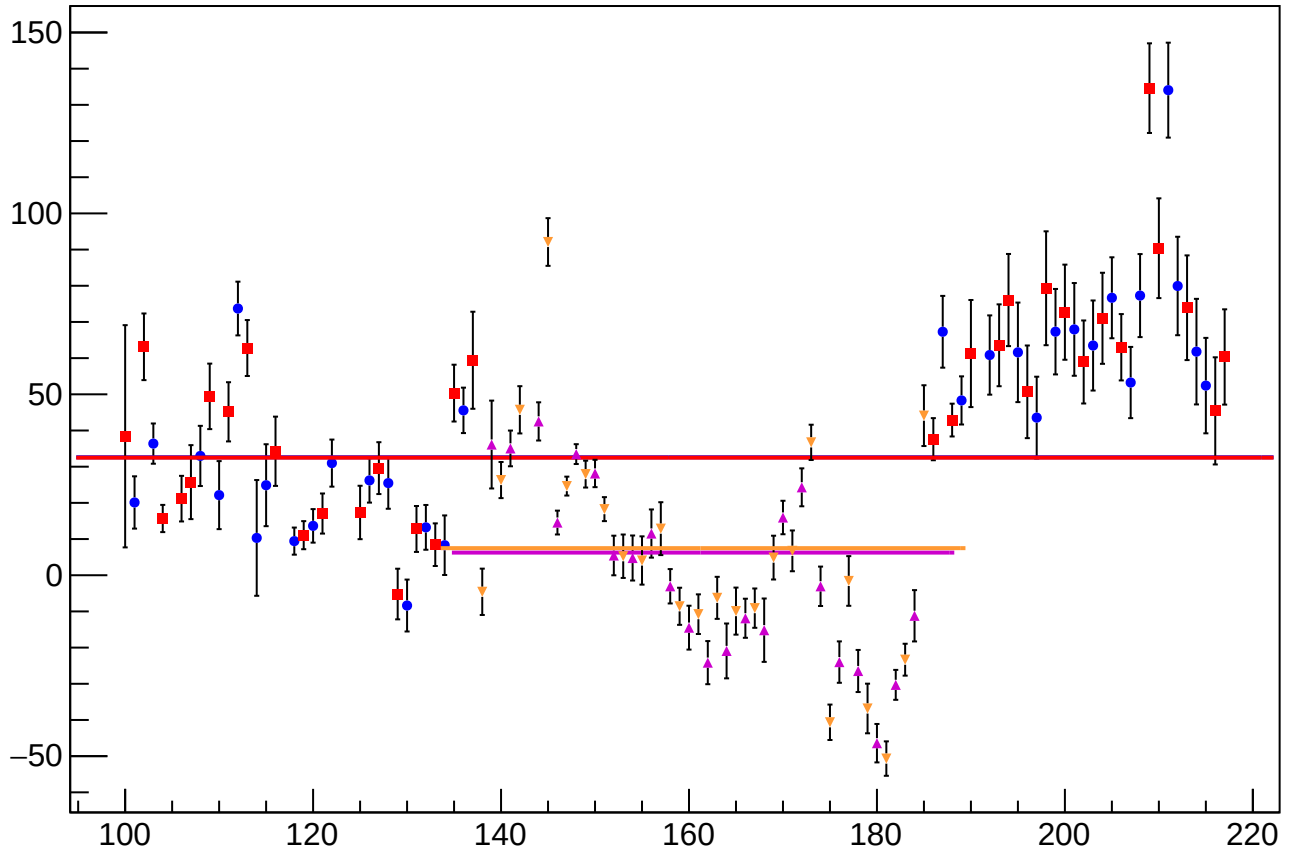
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -309.880+/-0.853 χ^2/NDF: 12682.9/64

In: -303.145+/-0.933 χ^2/NDF:7535.4/53

Out: -305.913+/-0.894 χ^2/NDF:11555.1/57

All: -304.588+/-0.645 χ^2/NDF: 19095.1/111



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: 32.500+/-1.323 χ^2/NDF: 337.3/33

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

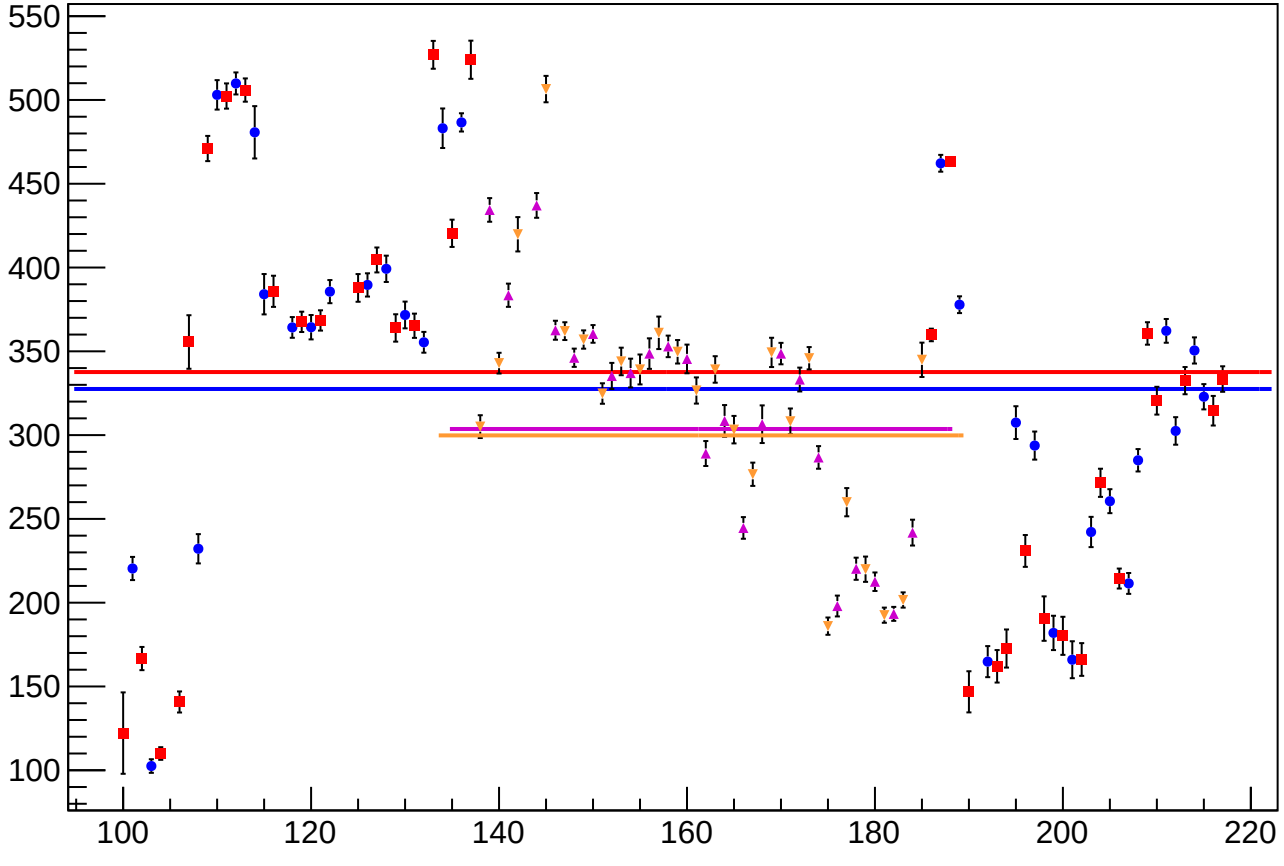
Right: 32.545+/-0.965 χ^2/NDF: 653.1/64

In: 15.586+/-0.840 χ^2/NDF:1100.2/53

Out: 16.919+/-0.813 χ^2/NDF:1298.4/57

All: 16.275+/-0.584 χ^2/NDF: 2399.9/111

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: 337.632+/-1.156 χ^2/NDF: 12164.6/33

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

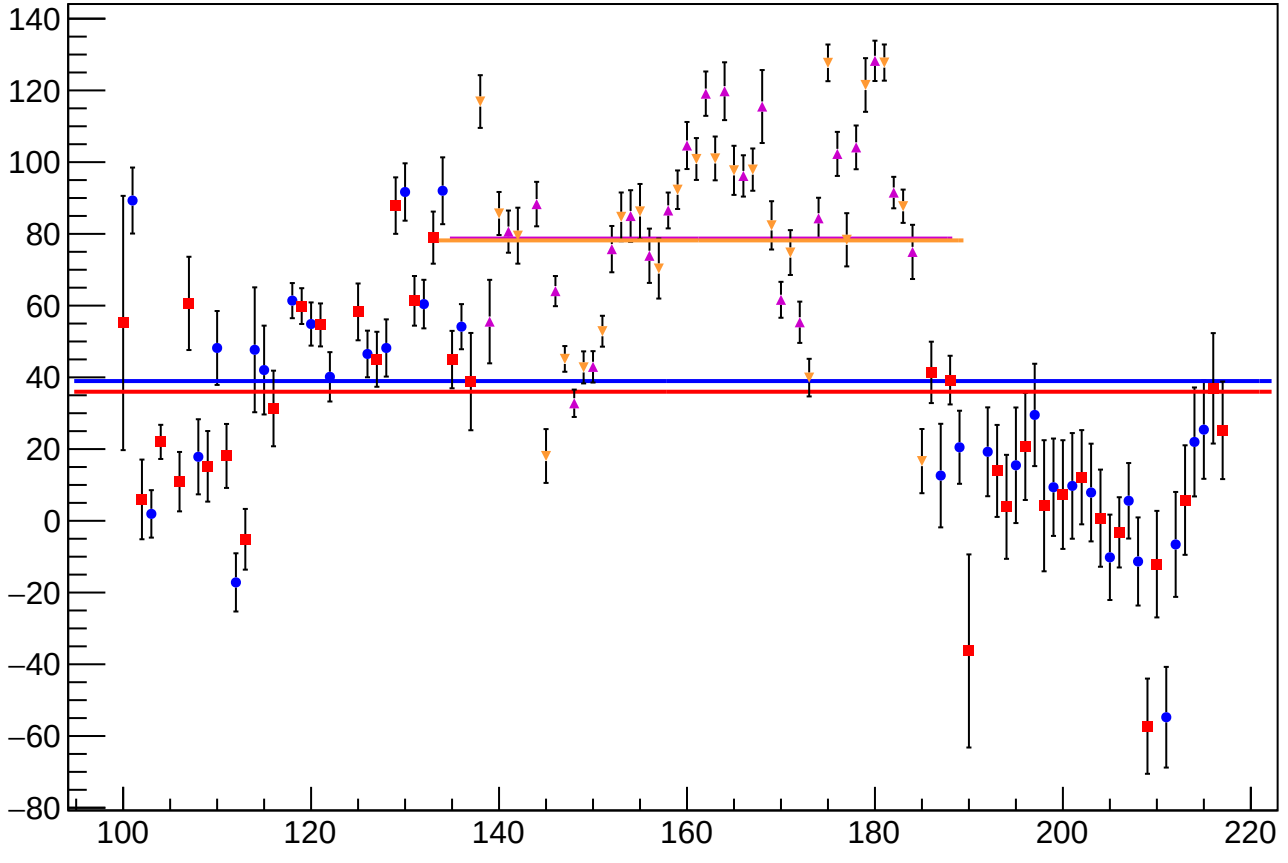
Right: 333.093+/-0.858 χ^2/NDF: 20456.7/64

In: 316.500+/-0.940 χ^2/NDF:11290.9/53

Out: 322.049+/-0.887 χ^2/NDF:15681.2/57

All: 319.435+/-0.645 χ^2/NDF: 26990.5/111

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: 35.990+/-1.576 χ^2/NDF: 310.1/33

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

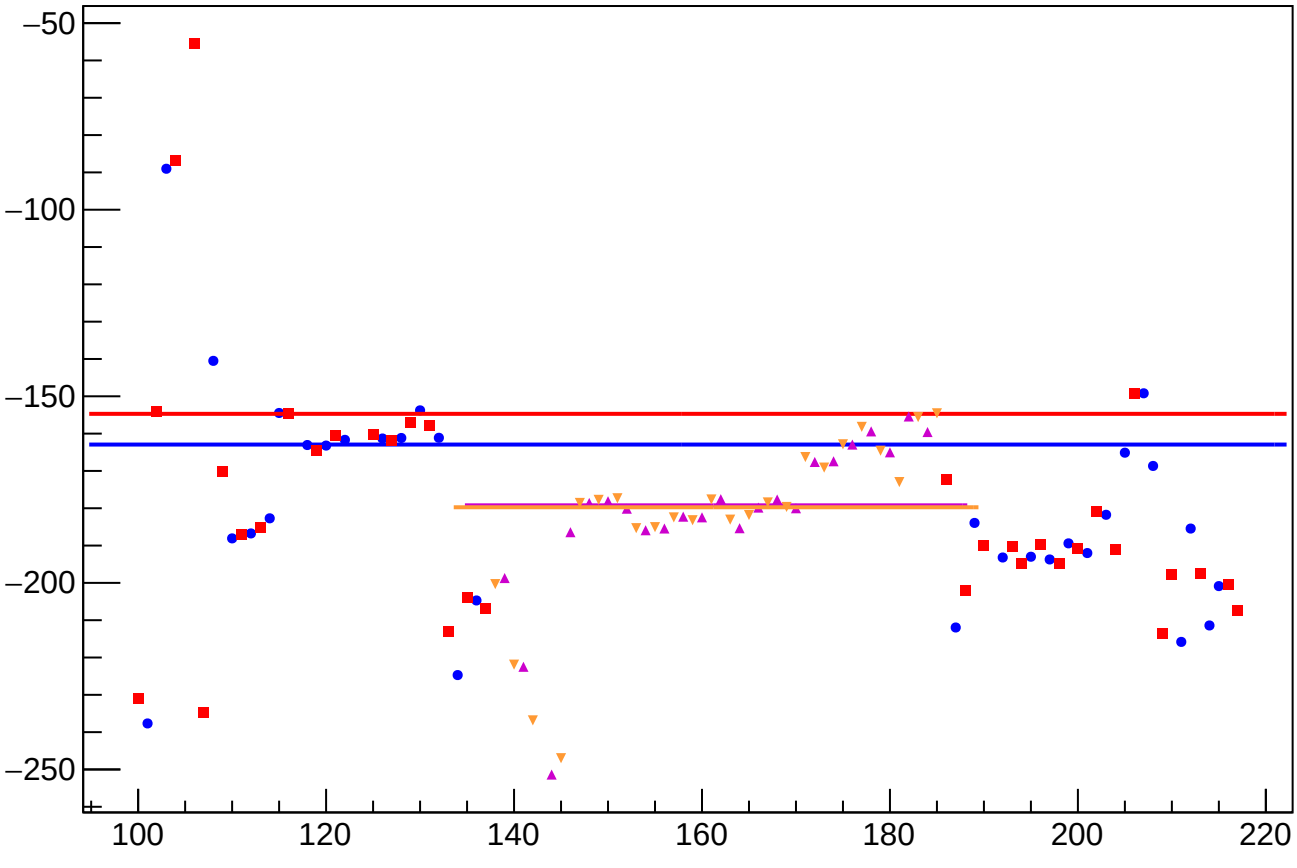
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.412+/-1.138 χ^2/NDF: 674.5/64

In: 64.970+/-0.967 χ^2/NDF:1233.0/53

Out: 62.951+/-0.947 χ^2/NDF:1431.4/57

All: 63.940+/-0.676 χ^2/NDF: 2666.6/111



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: -154.701+/-0.077 χ^2/NDF: 442756.9/33

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

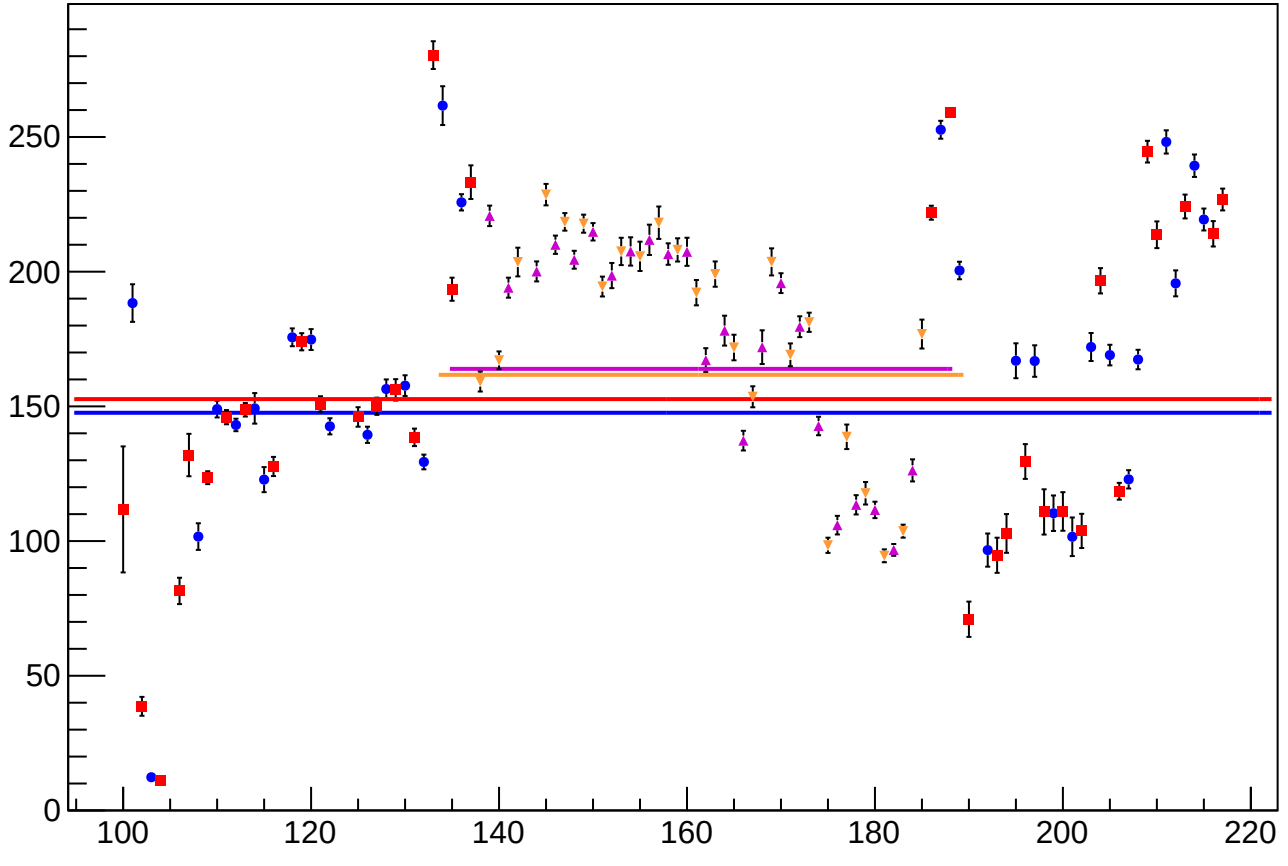
Right: -158.664+/-0.055 χ^2/NDF: 767542.4/64

In: -174.020+/-0.045 χ^2/NDF:461256.2/53

Out: -171.238+/-0.045 χ^2/NDF:645313.8/57

All: -172.620+/-0.032 χ^2/NDF: 1108495.5/11

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: 152.702+/-0.609 χ^2/NDF: 14873.6/33

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

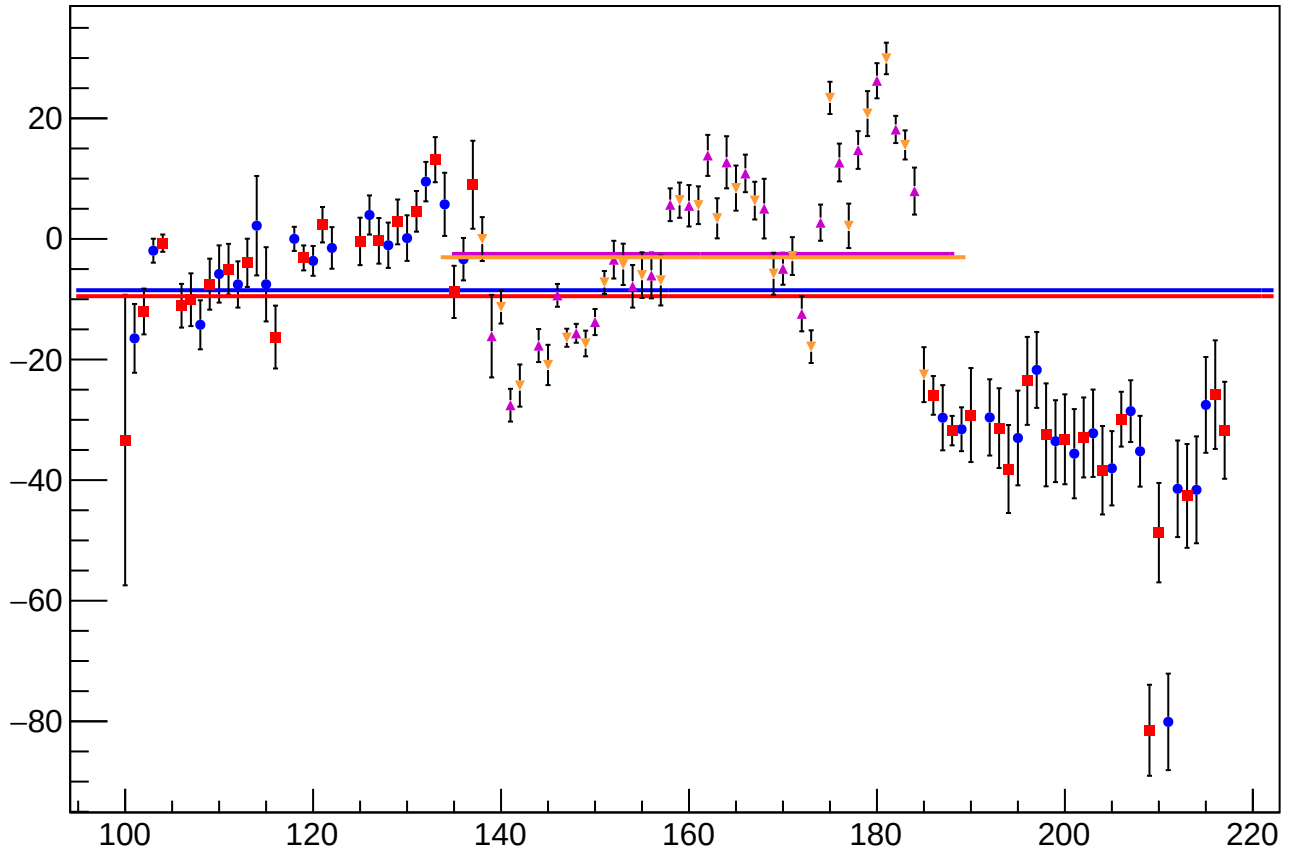
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 150.360+/-0.447 χ^2/NDF: 24706.6/64

In: 154.411+/-0.503 χ^2/NDF:13392.0/53

Out: 156.135+/-0.479 χ^2/NDF:18544.2/57

All: 155.314+/-0.347 χ^2/NDF: 31942.4/111



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: -9.497+/-0.671 χ^2/NDF: 503.5/33

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

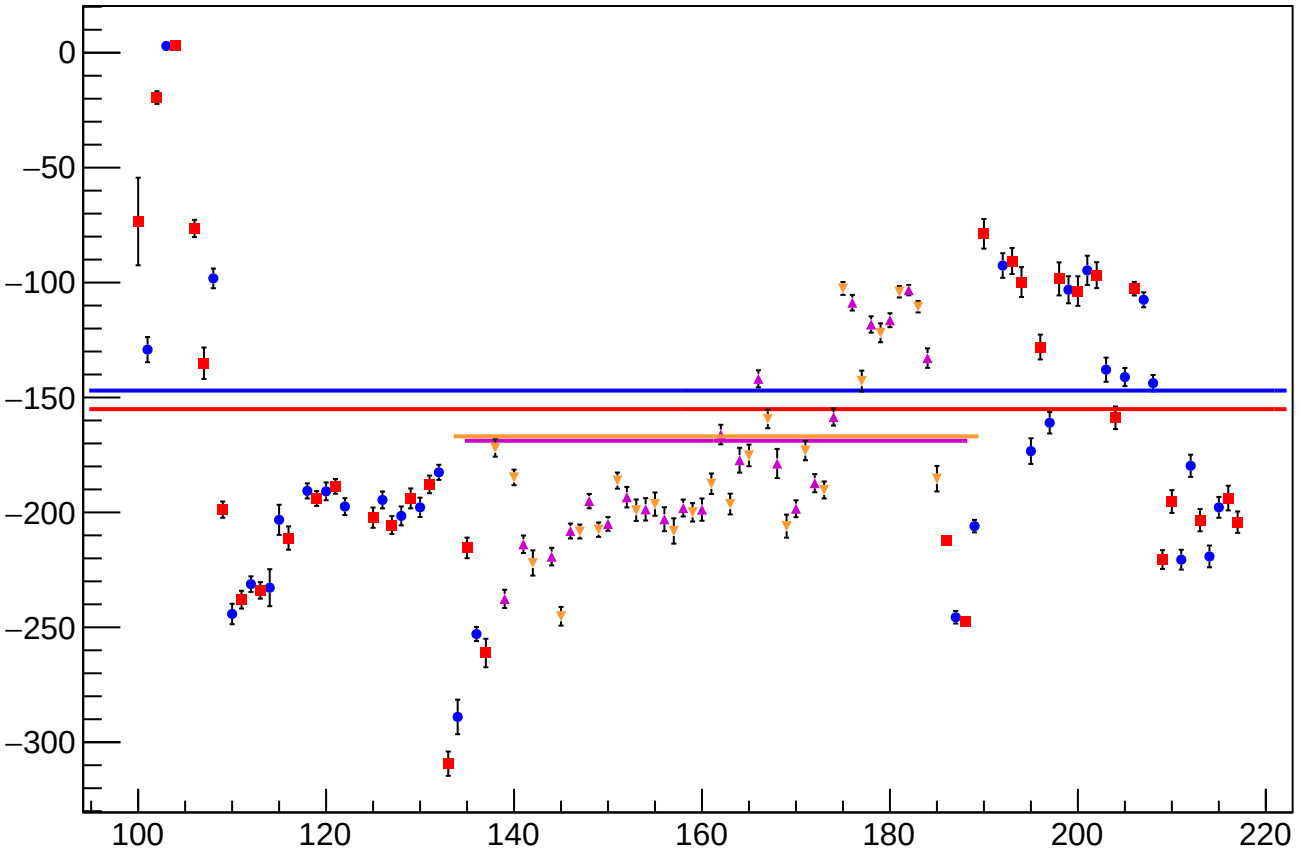
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -9.050+/-0.497 χ^2/NDF: 905.5/64

In: -4.818+/-0.460 χ^2/NDF:1004.6/53

Out: -5.791+/-0.438 χ^2/NDF:1211.1/57

All: -5.328+/-0.317 χ^2/NDF: 2218.1/111



Right In: -146.994+/-0.660 χ^2/NDF: 17990.8/30

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -155.072+/-0.596 χ^2/NDF: 24657.9/33

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

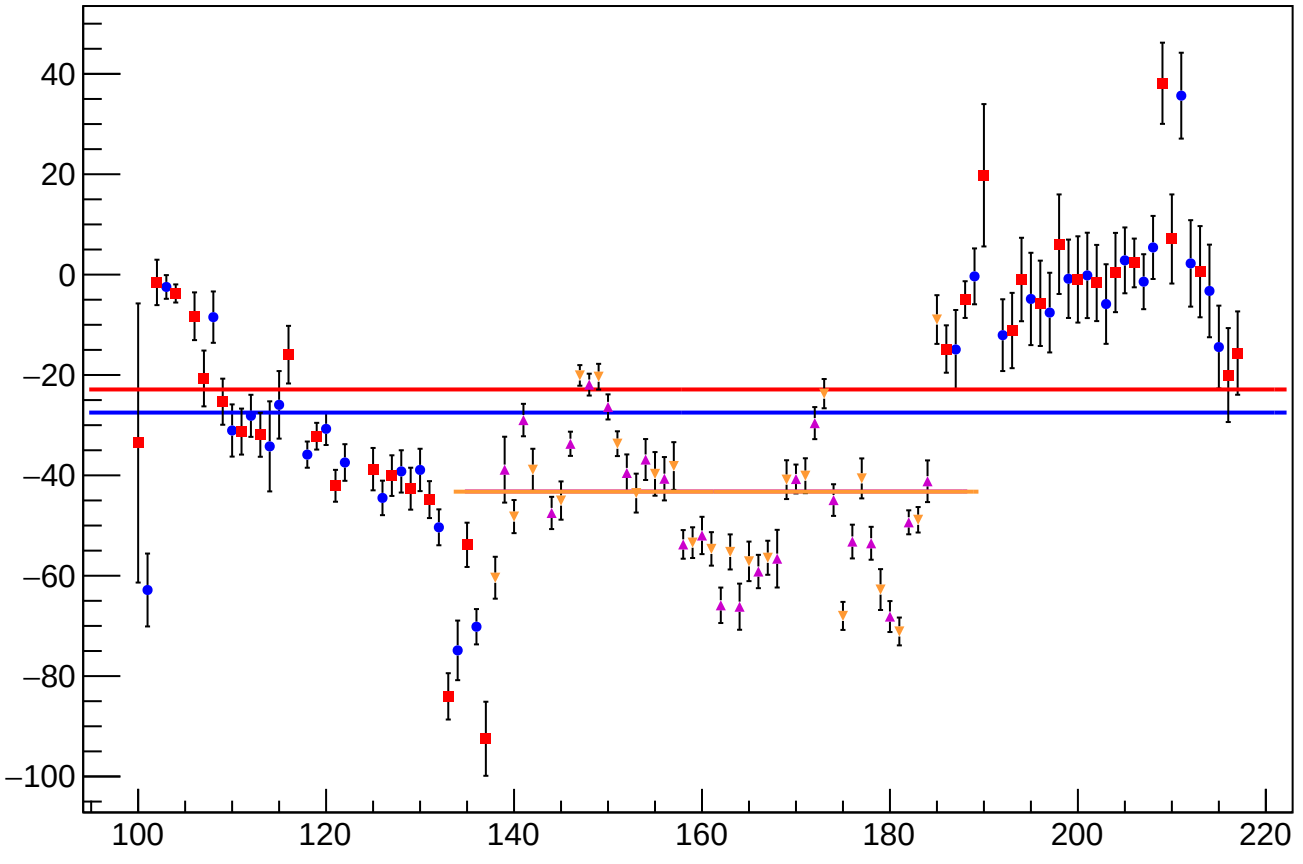
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -151.442+/-0.442 χ^2/NDF: 42731.2/64

In: -156.199+/-0.502 χ^2/NDF:21511.4/53

Out: -159.504+/-0.472 χ^2/NDF:27901.7/57

All: -157.954+/-0.344 χ^2/NDF: 49436.1/111



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: -22.886+/-0.803 χ^2/NDF: 789.9/33

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

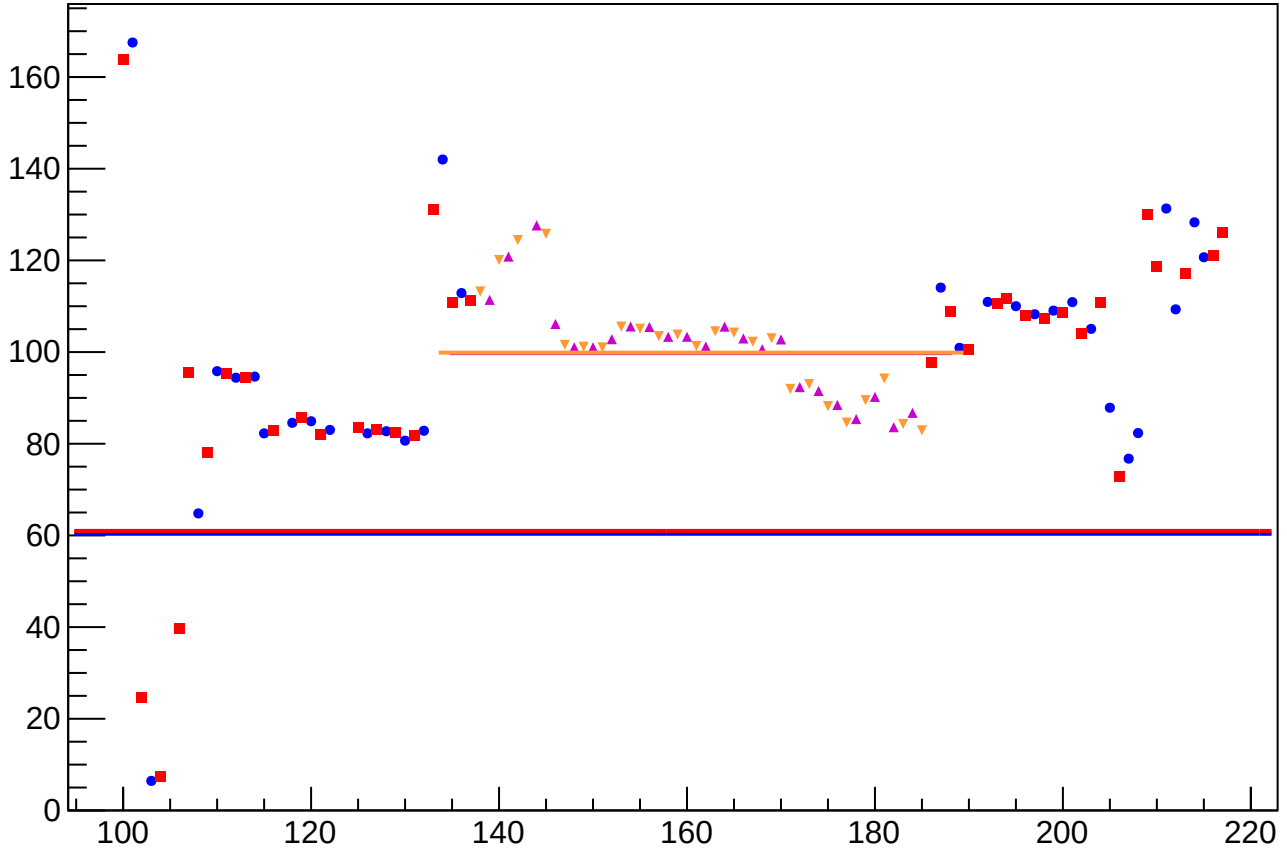
Right: -25.024+/-0.588 χ^2/NDF: 1486.0/64

In: -37.291+/-0.529 χ^2/NDF:1293.8/53

Out: -34.977+/-0.512 χ^2/NDF:1782.2/57

All: -36.095+/-0.368 χ^2/NDF: 3085.9/111

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: 60.986+/-0.038 χ^2/NDF: 1392023.6/33

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

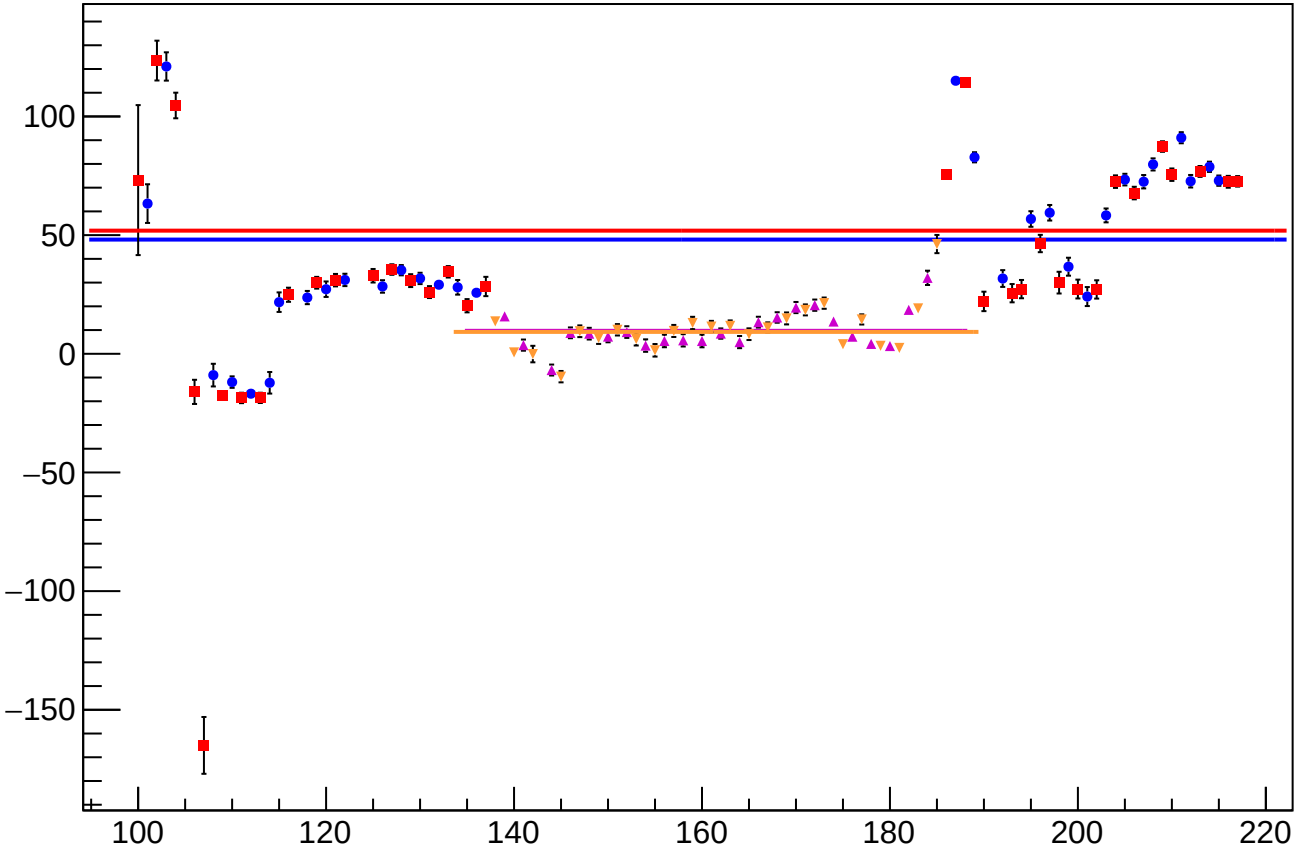
Right: 60.677+/-0.027 χ^2/NDF: 2980899.2/64

In: 84.408+/-0.024 χ^2/NDF:2350744.1/53

Out: 84.432+/-0.024 χ^2/NDF:2150372.1/57

All: 84.420+/-0.017 χ^2/NDF: 4501116.8/111

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 51.889+/-0.443 χ^2/NDF: 8741.4/33

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

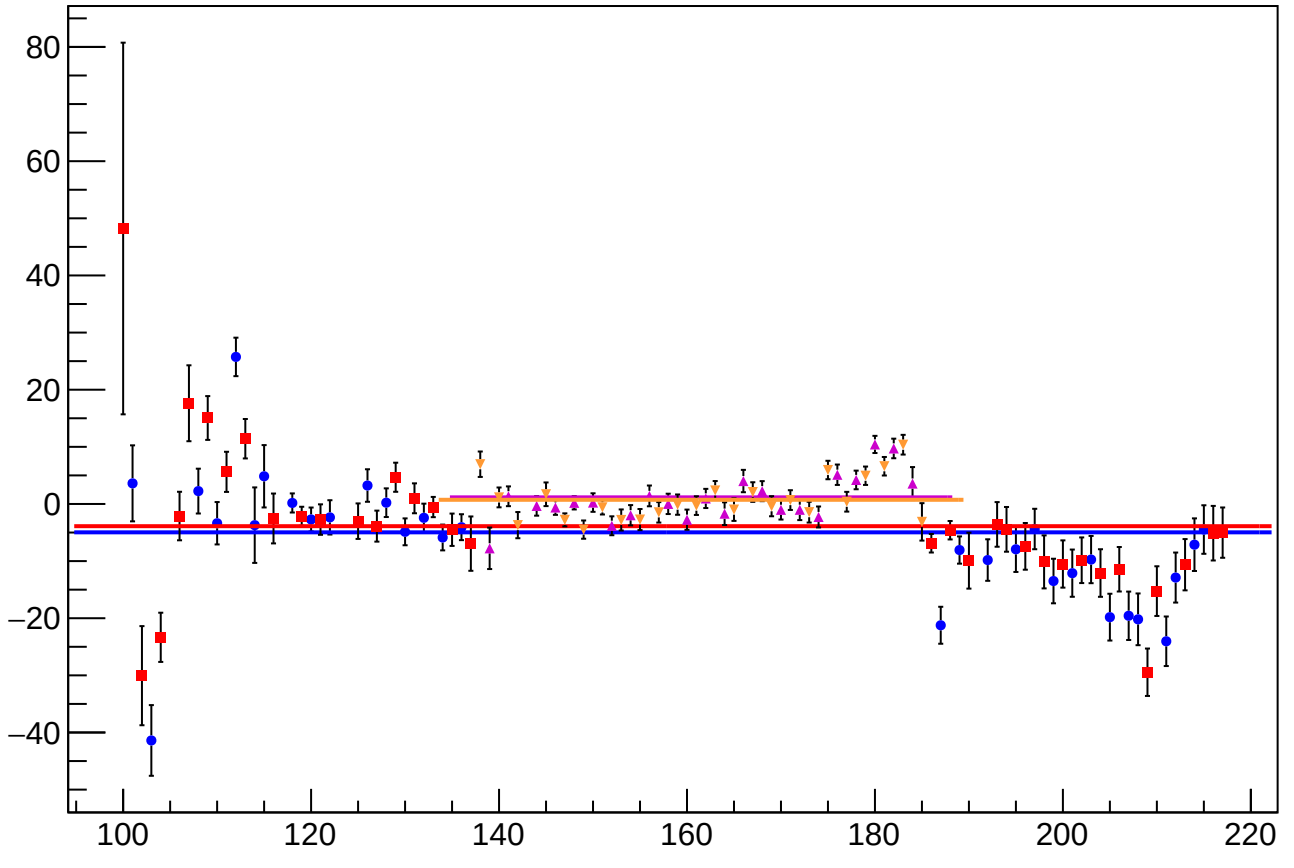
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 50.165+/-0.326 χ^2/NDF: 14071.3/64

In: 28.101+/-0.334 χ^2/NDF:8857.3/53

Out: 31.195+/-0.318 χ^2/NDF:13567.2/57

All: 29.723+/-0.230 χ^2/NDF: 22469.5/111



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: -3.889+/-0.534 χ^2/NDF: 181.7/33

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

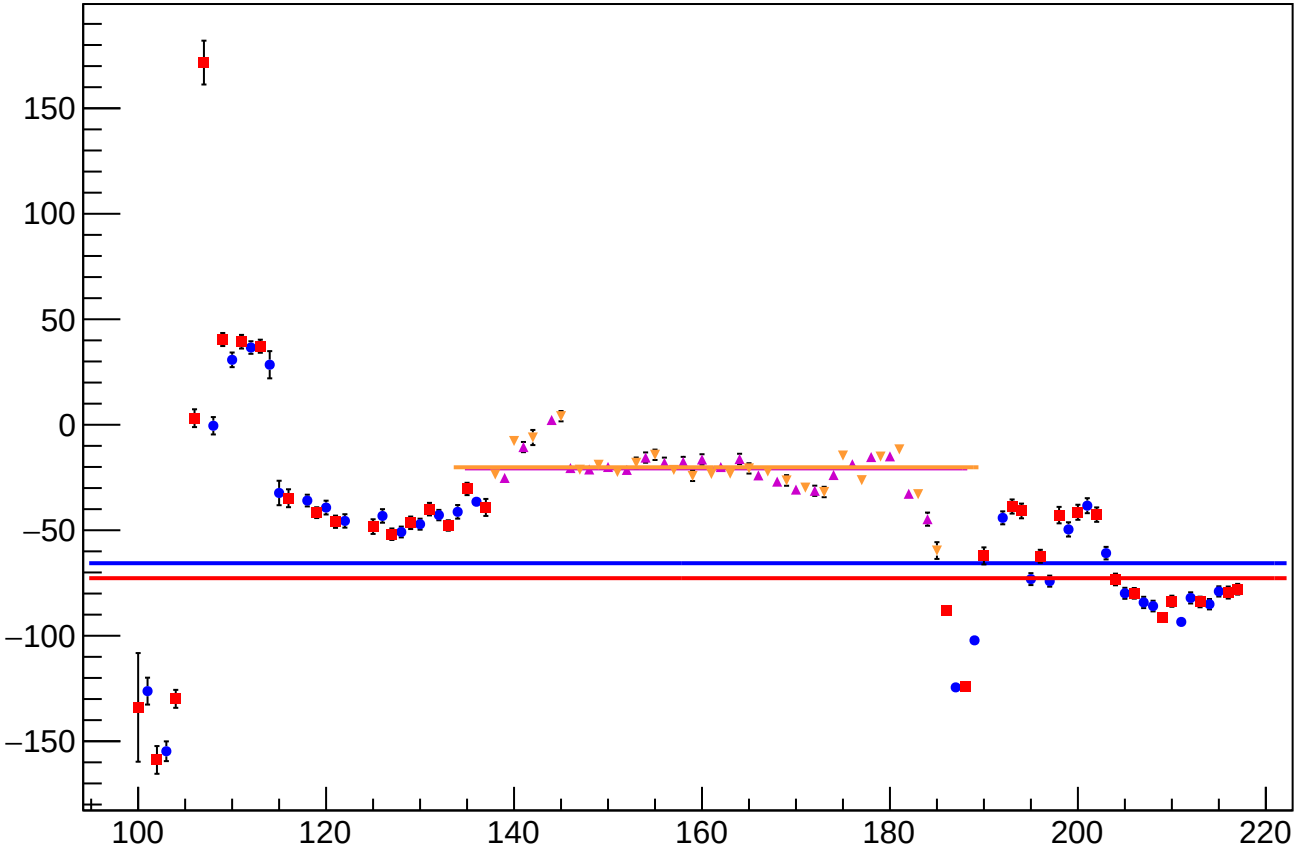
Right: -4.394+/-0.389 χ^2/NDF: 432.9/64

In: -0.578+/-0.303 χ^2/NDF:442.8/53

Out: -0.655+/-0.292 χ^2/NDF:343.8/57

All: -0.618+/-0.210 χ^2/NDF: 786.7/111

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: -72.716+/-0.437 χ^2/NDF: 9792.2/33

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

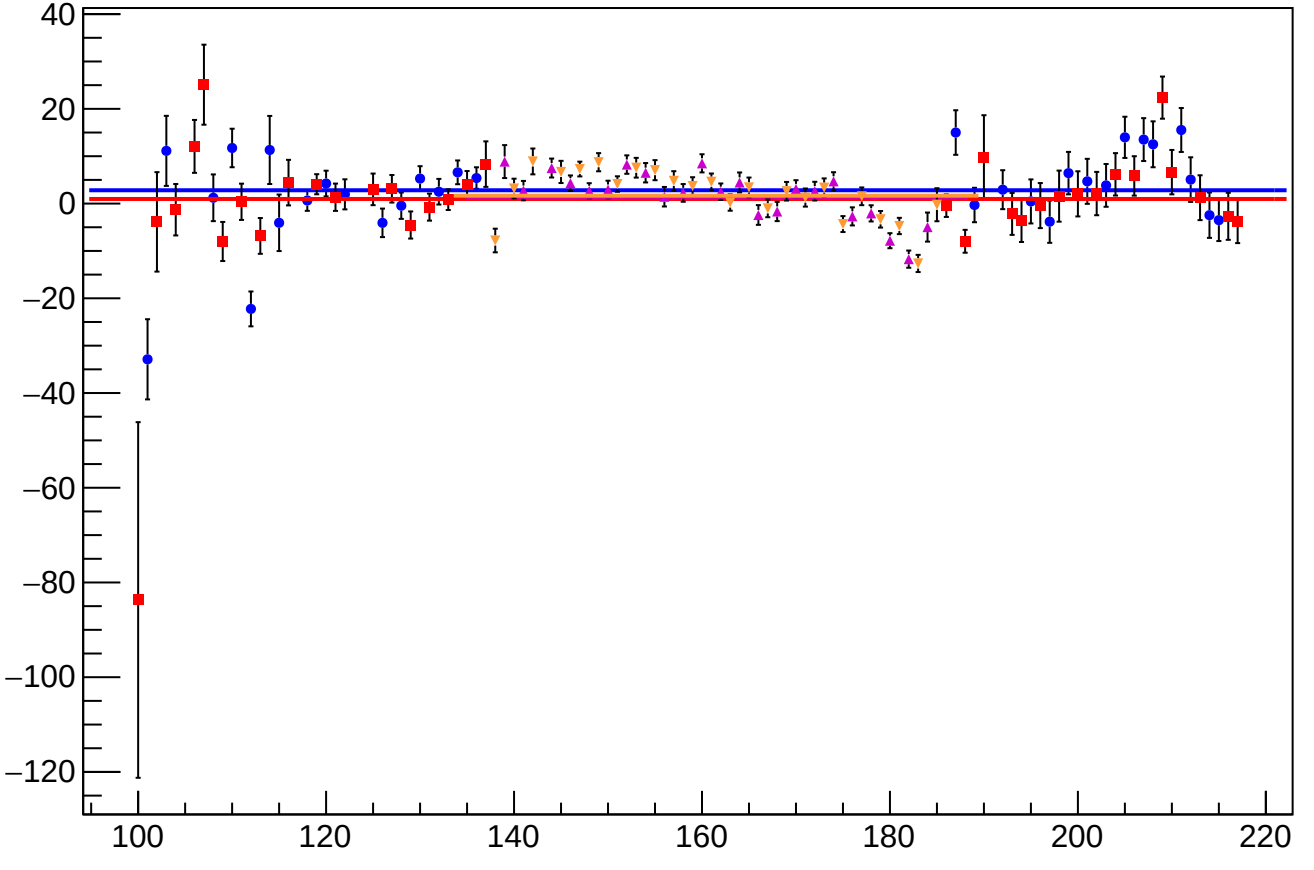
Right: -69.614+/-0.328 χ^2/NDF: 15810.9/64

In: -41.354+/-0.336 χ^2/NDF:10649.4/53

Out: -47.347+/-0.314 χ^2/NDF:17196.4/57

All: -44.553+/-0.230 χ^2/NDF: 28015.3/111

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.811+/-0.656 χ^2/NDF: 123.4/30

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.972+/-0.636 χ^2/NDF: 83.5/33

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

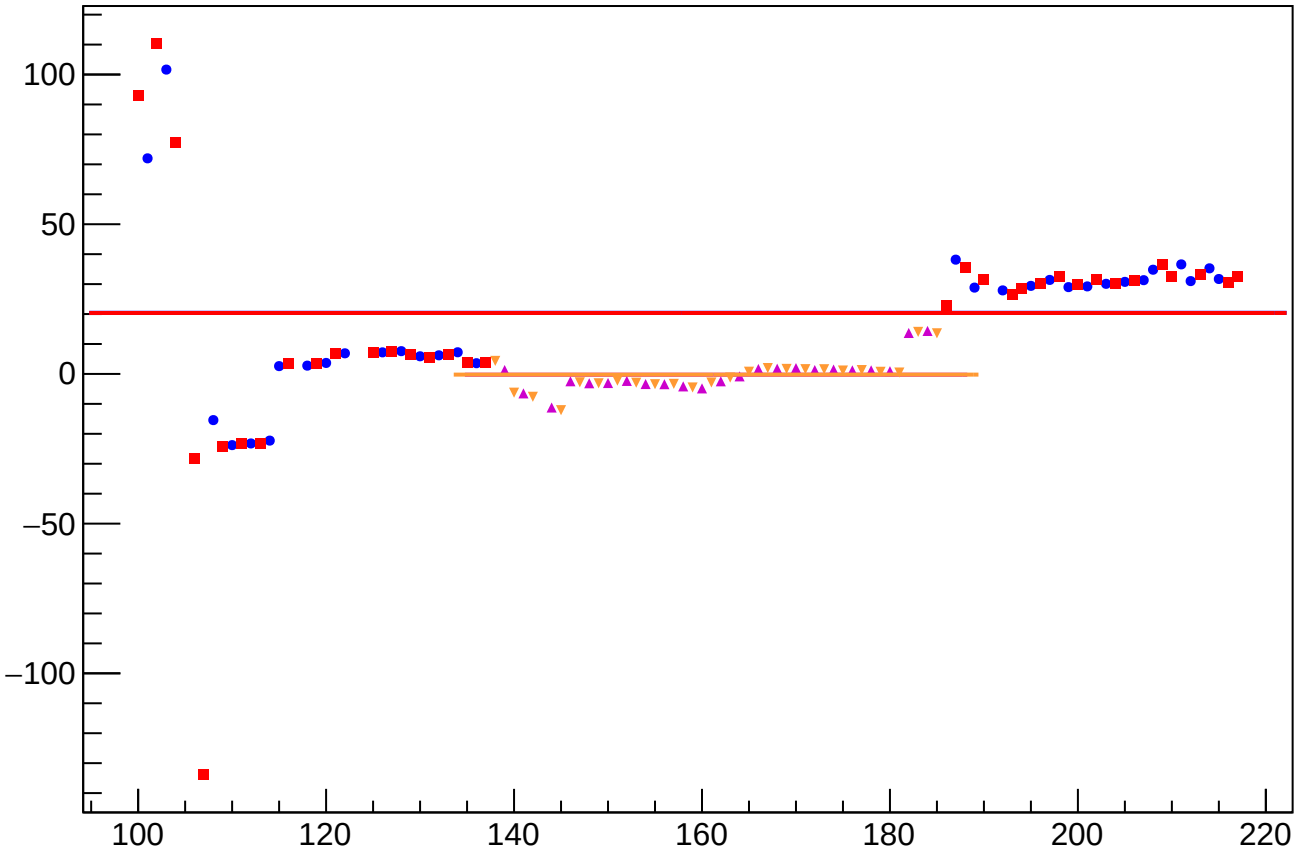
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.864+/-0.457 χ^2/NDF: 211.0/64

In: 1.806+/-0.343 χ^2/NDF:289.5/53

Out: 1.477+/-0.336 χ^2/NDF:262.3/57

All: 1.638+/-0.240 χ^2/NDF: 552.2/111



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: 20.357+/-0.033 χ^2/NDF: 605901.6/33

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

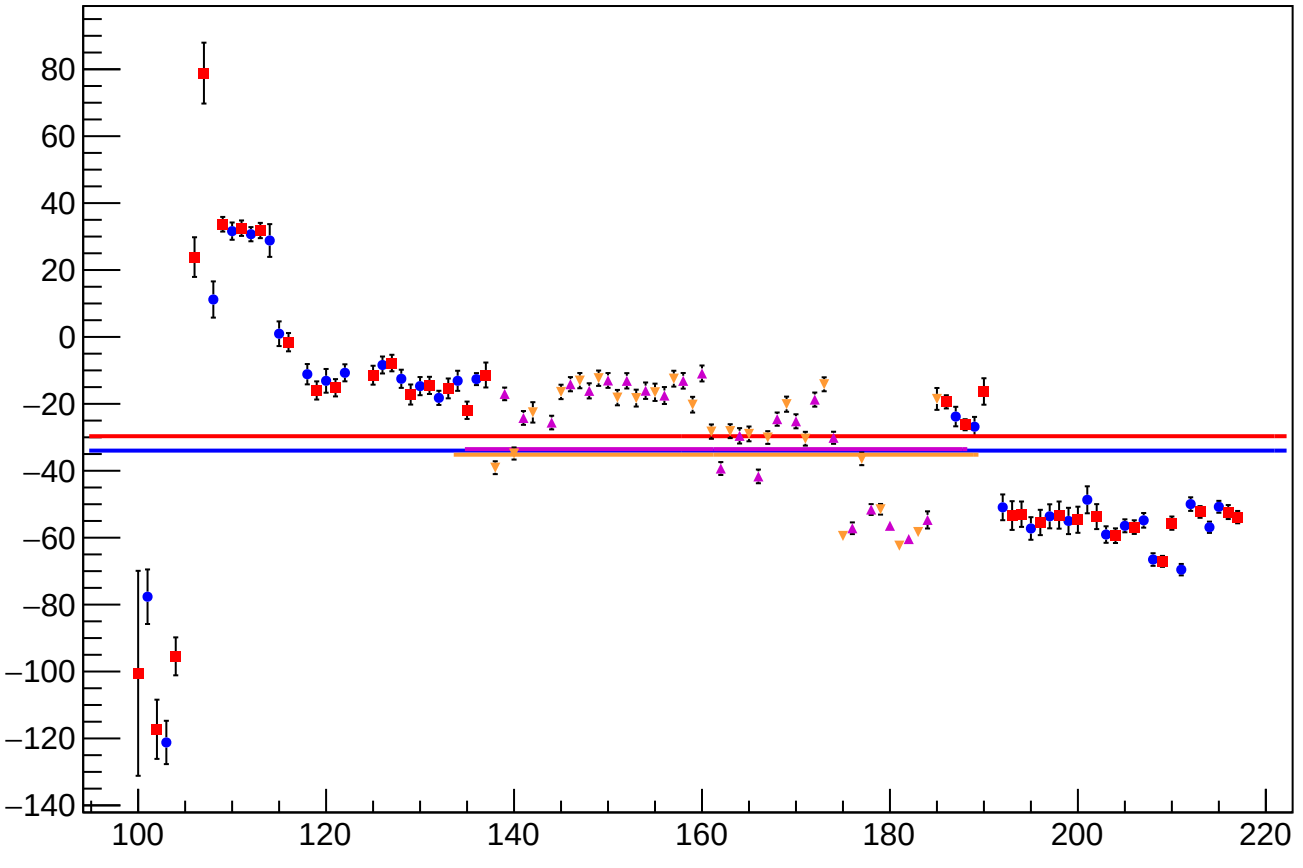
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 20.389+/-0.023 χ^2/NDF: 1040793.8/64

In: 4.449+/-0.016 χ^2/NDF:817986.2/53

Out: 4.451+/-0.016 χ^2/NDF:996634.4/57

All: 4.450+/-0.011 χ^2/NDF: 1814620.6/111



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: -29.670+/-0.448 χ^2/NDF: 4926.5/33

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

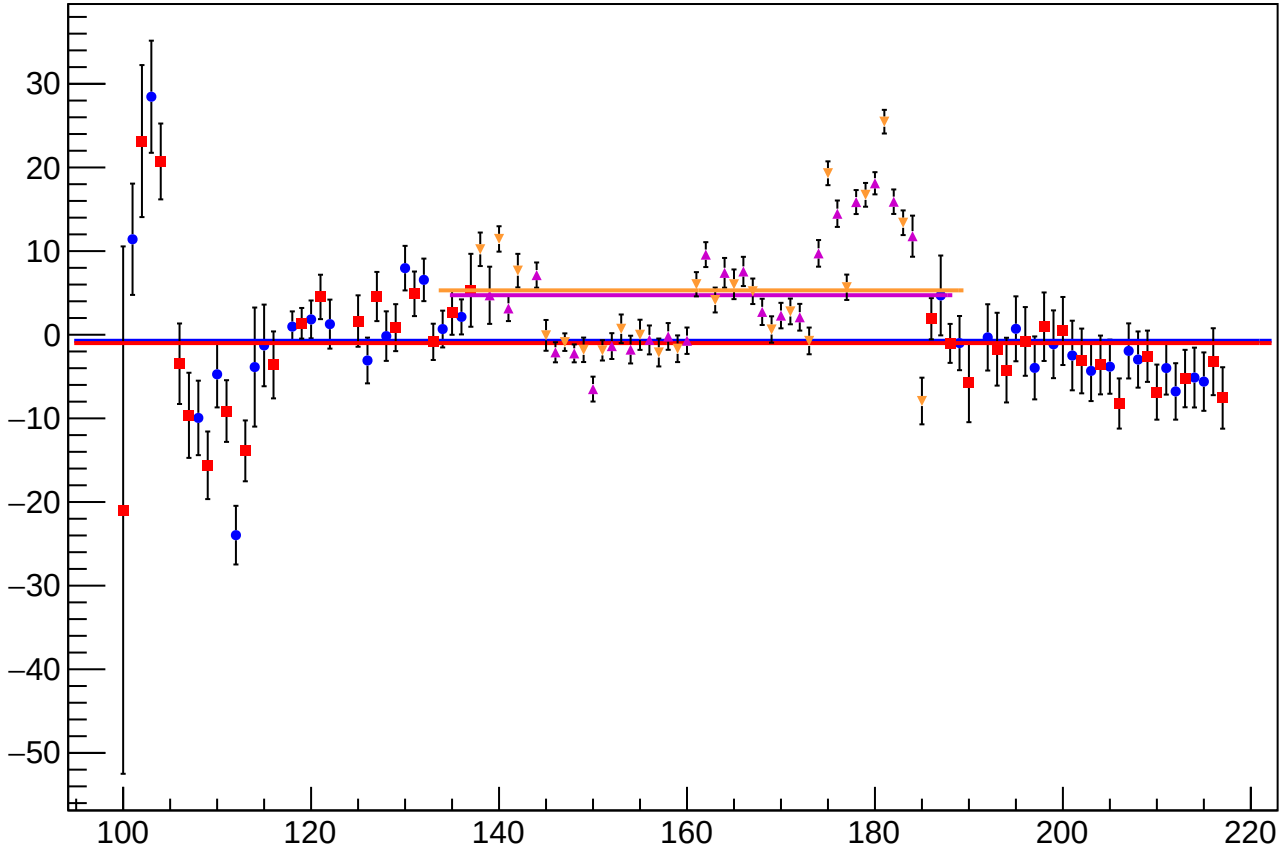
Right: -31.768+/-0.321 χ^2/NDF: 9269.1/64

In: -33.728+/-0.307 χ^2/NDF:6104.2/53

Out: -32.692+/-0.302 χ^2/NDF:6860.6/57

All: -33.200+/-0.215 χ^2/NDF: 12970.6/111

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: -0.999+/-0.566 χ^2/NDF: 102.7/33

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

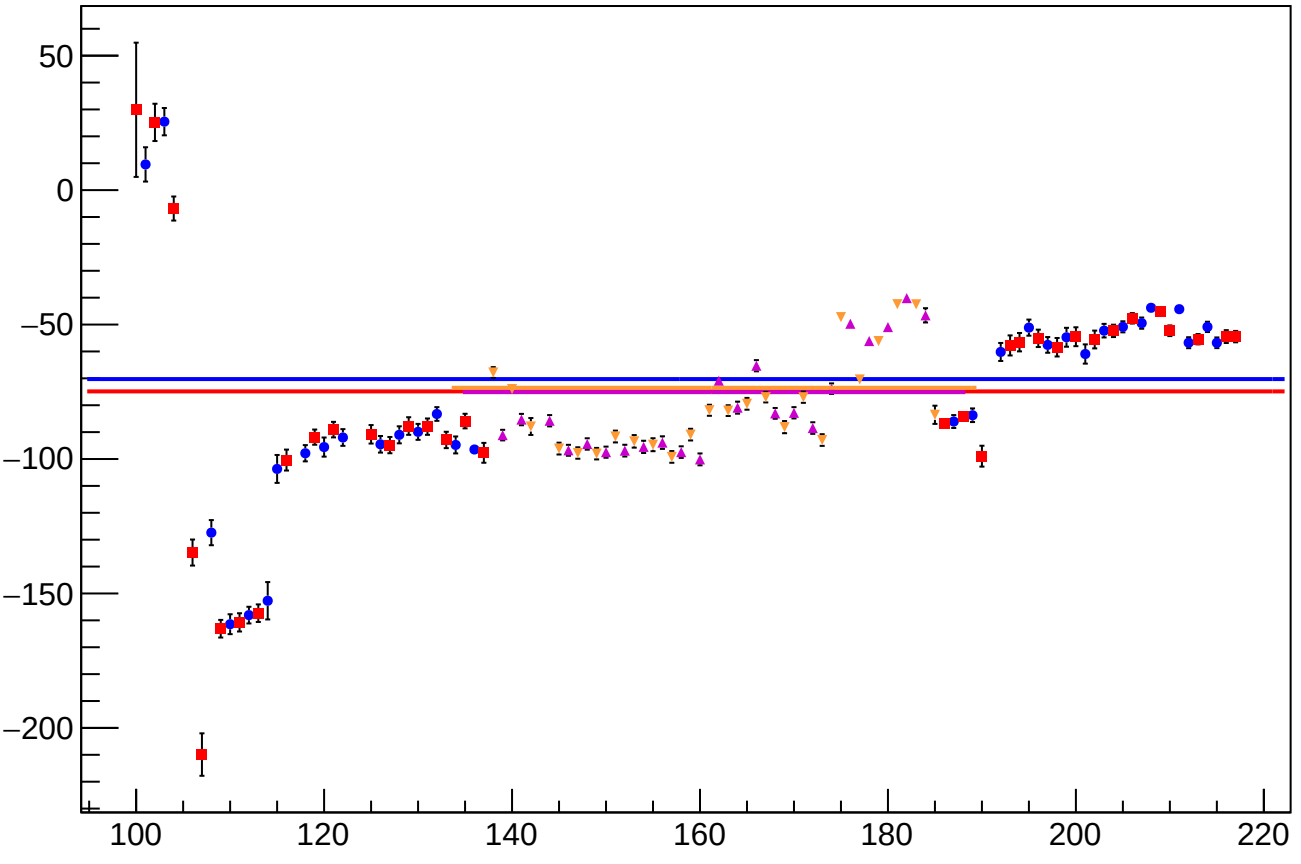
Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

Right: -0.862+/-0.402 χ^2/NDF: 211.6/64

In: 3.422+/-0.280 χ^2/NDF:673.7/53

Out: 3.814+/-0.275 χ^2/NDF:821.9/57

All: 3.622+/-0.196 χ^2/NDF: 1496.6/111



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: -74.852+/-0.461 χ^2/NDF: 4528.5/33

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

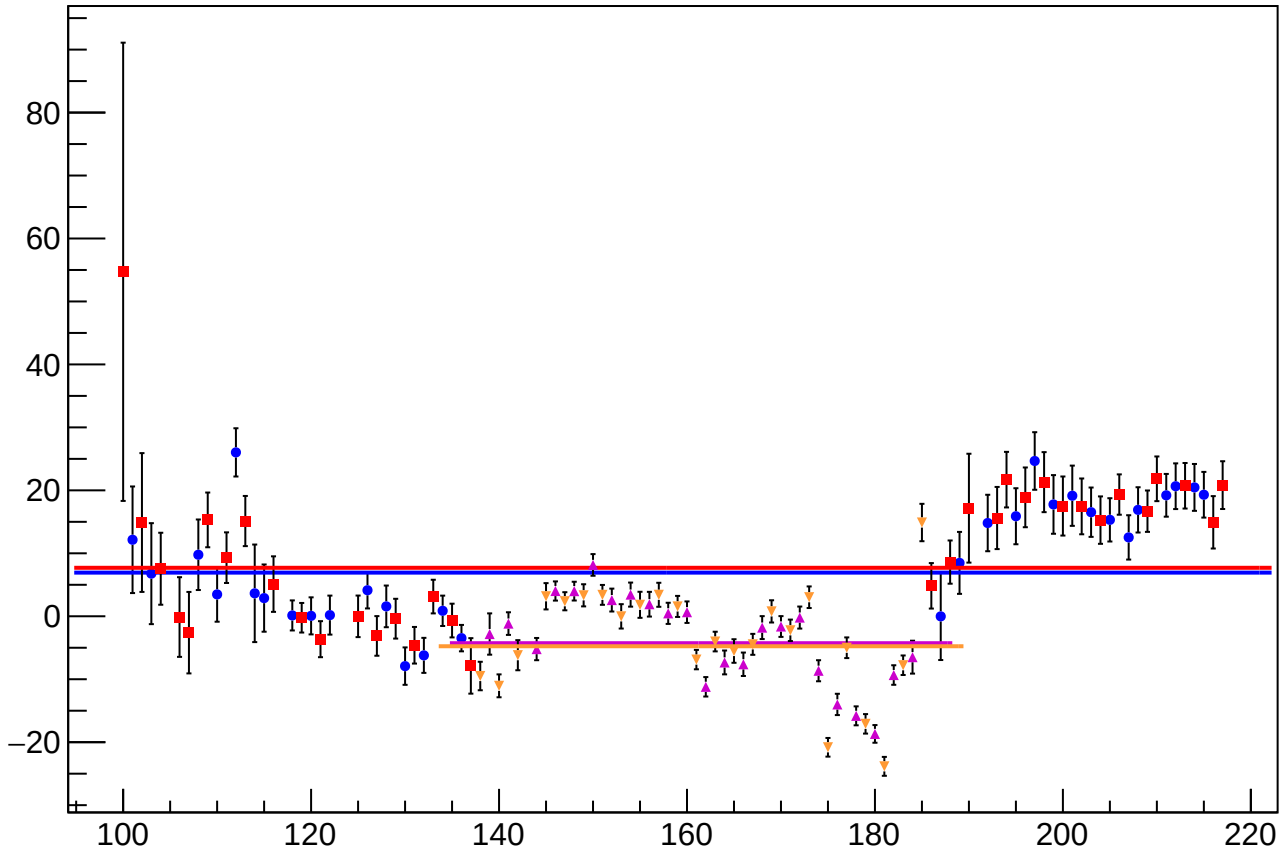
Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

Right: -72.656+/-0.333 χ^2/NDF: 8483.9/64

In: -73.084+/-0.312 χ^2/NDF:6329.3/53

Out: -74.093+/-0.304 χ^2/NDF:6925.3/57

All: -73.600+/-0.218 χ^2/NDF: 13259.9/111



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: 7.699+/-0.651 χ^2/NDF: 213.2/33

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

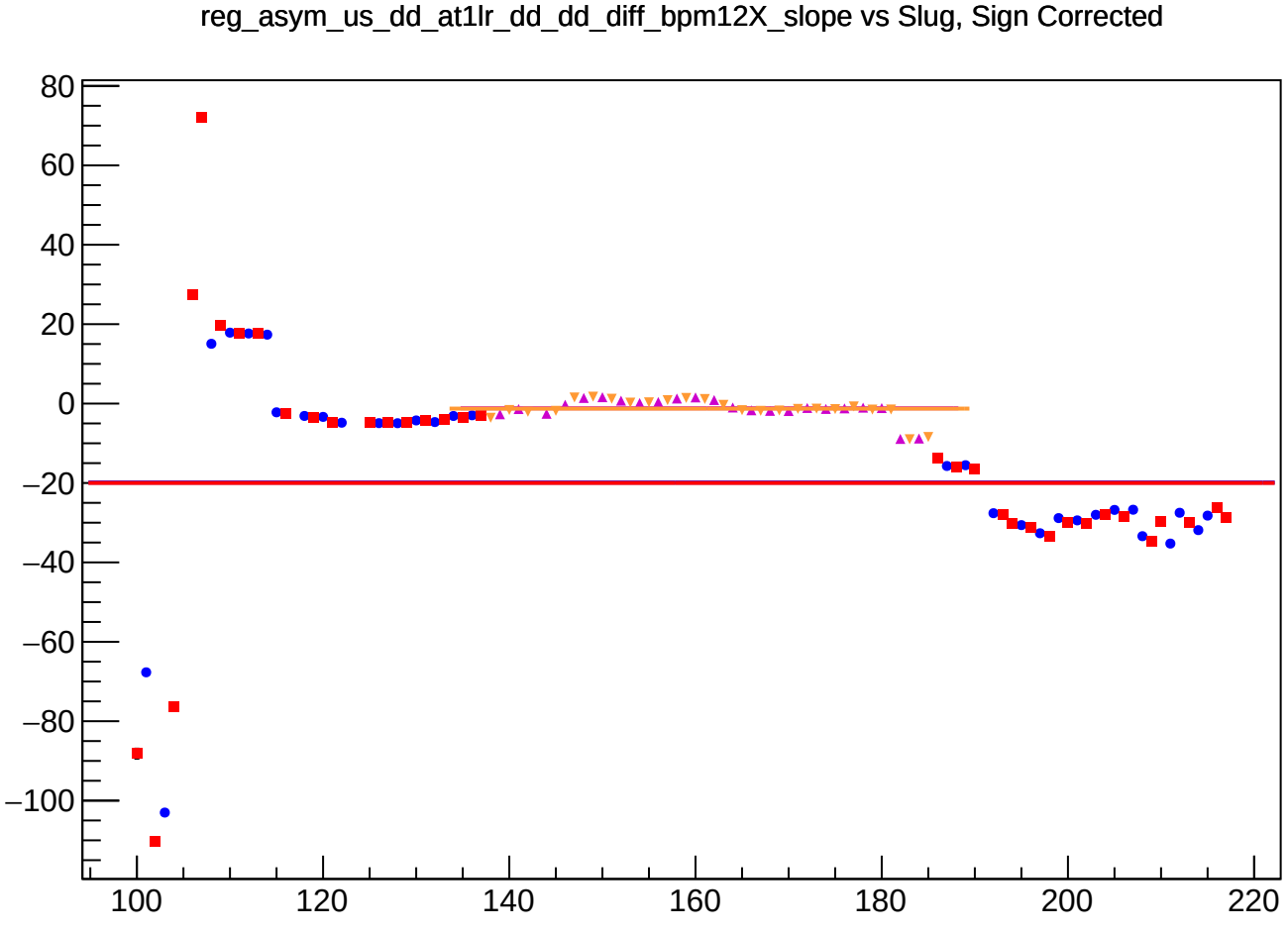
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 7.313+/-0.458 χ^2/NDF: 450.5/64

In: -1.607+/-0.315 χ^2/NDF:890.6/53

Out: -1.909+/-0.312 χ^2/NDF:1072.7/57

All: -1.760+/-0.222 χ^2/NDF: 1963.7/111



Right In: -19.883+/-0.031 χ^2/NDF: 396254.9/30

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -19.988+/-0.032 χ^2/NDF: 483389.0/33

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

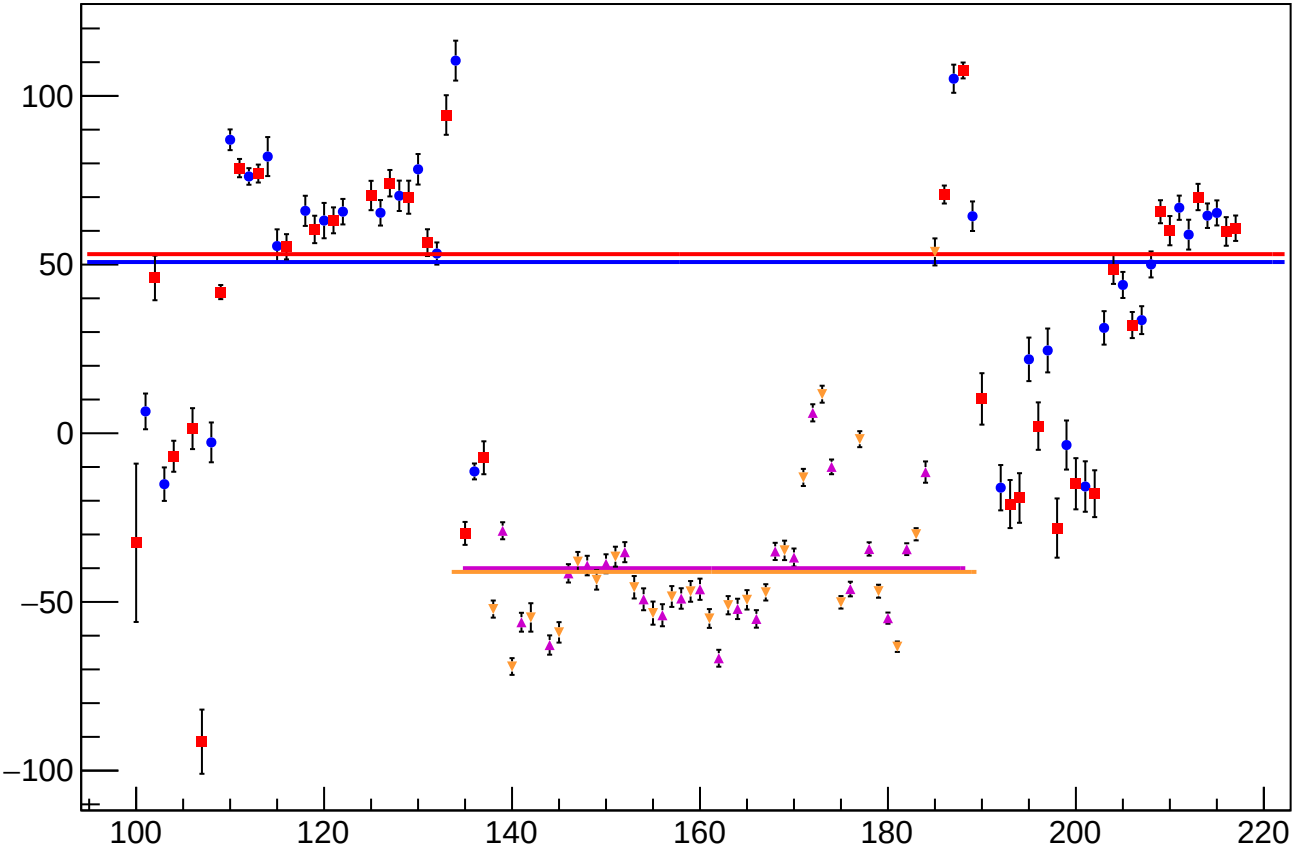
Right: -19.934+/-0.022 χ^2/NDF: 879649.5/64

In: -5.065+/-0.014 χ^2/NDF:706451.7/53

Out: -4.995+/-0.014 χ^2/NDF:785760.7/57

All: -5.030+/-0.010 χ^2/NDF: 1492224.6/111

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: 53.096+/-0.691 χ^2/NDF: 2760.0/33

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

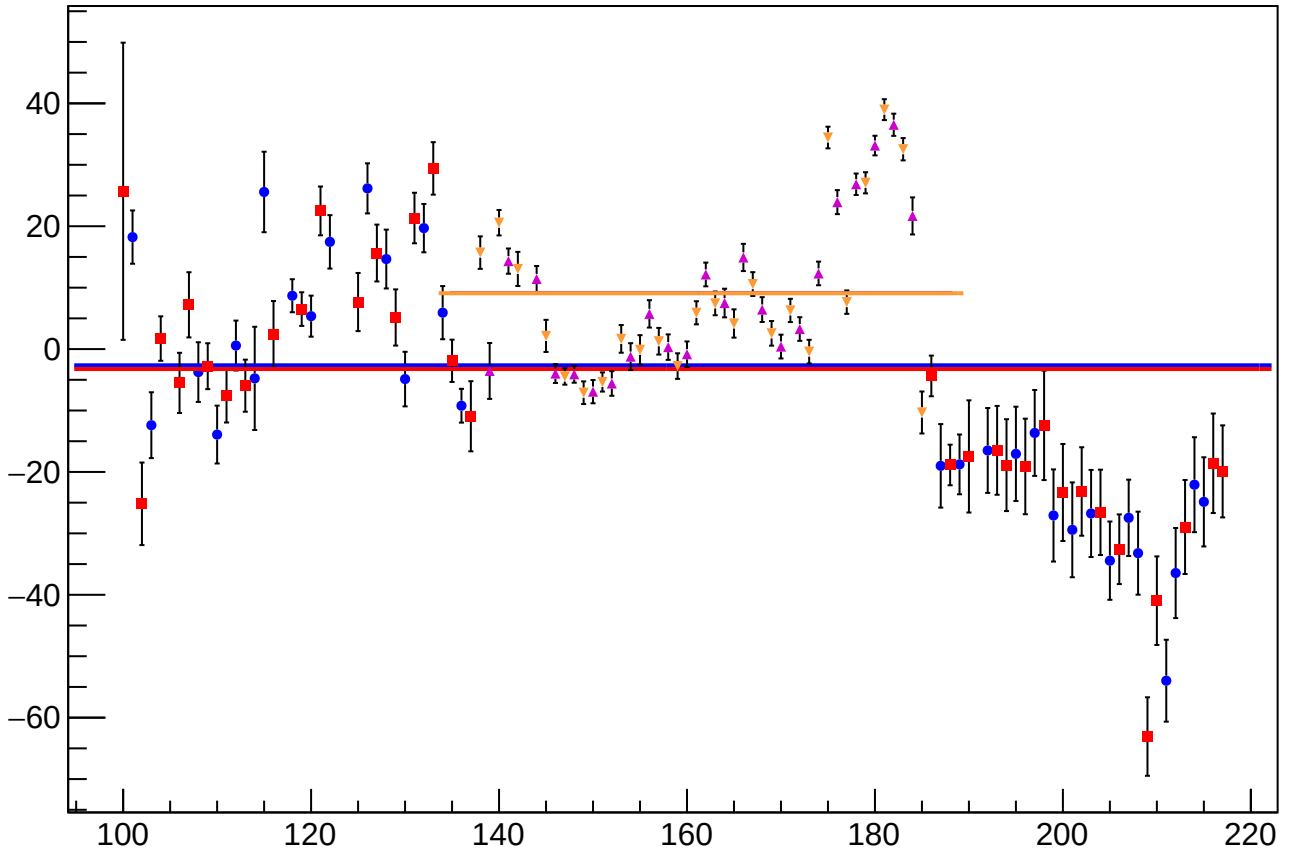
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 52.015+/-0.507 χ^2/NDF: 4807.4/64

In: -9.965+/-0.429 χ^2/NDF:12990.6/53

Out: -7.261+/-0.414 χ^2/NDF:16615.6/57

All: -8.566+/-0.298 χ^2/NDF: 29626.9/111



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: -3.246+/-0.846 χ^2/NDF: 421.6/33

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

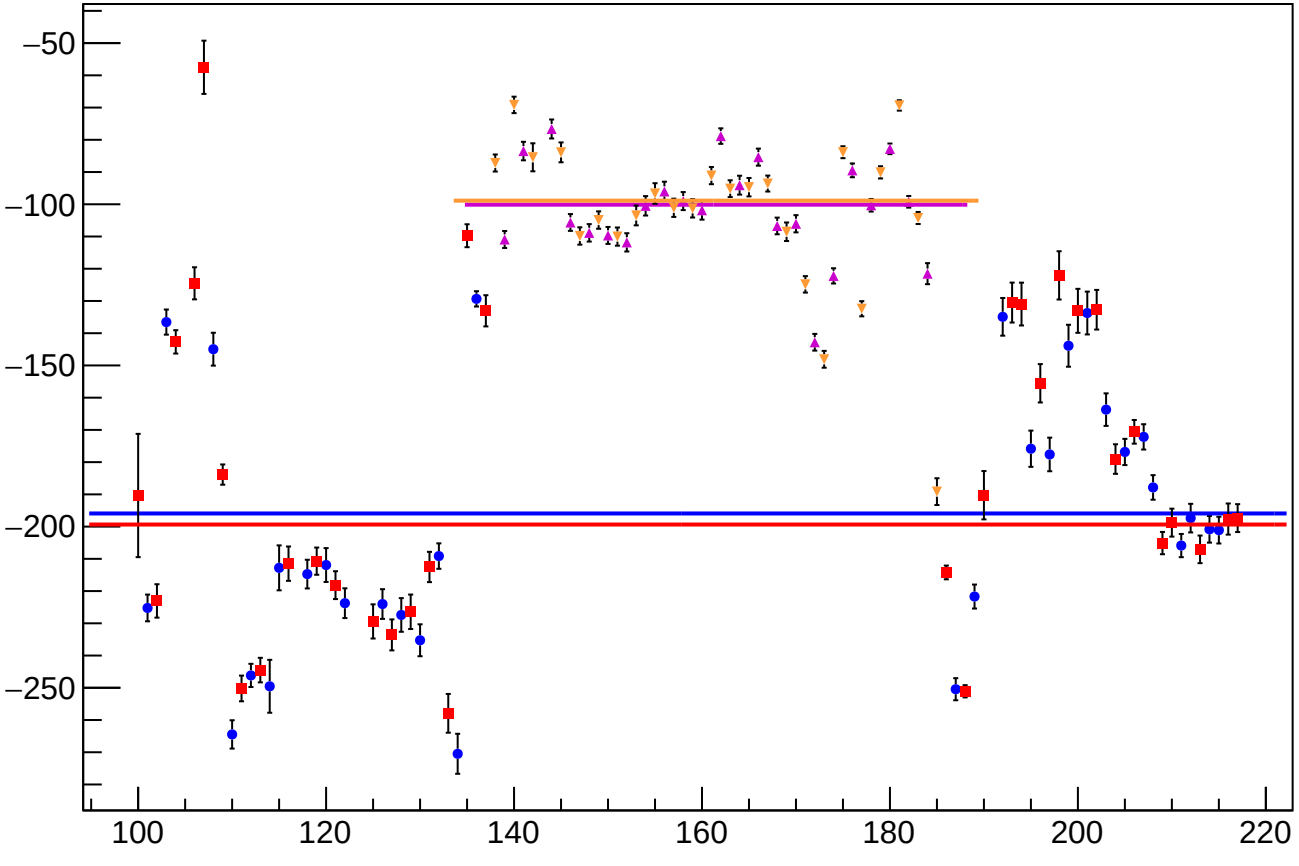
Right: -2.956+/-0.611 χ^2/NDF: 842.0/64

In: 7.041+/-0.371 χ^2/NDF:1618.2/53

Out: 6.826+/-0.362 χ^2/NDF:1849.1/57

All: 6.931+/-0.259 χ^2/NDF: 3467.5/111

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -199.354+/-0.721 χ^2/NDF: 3664.2/33

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

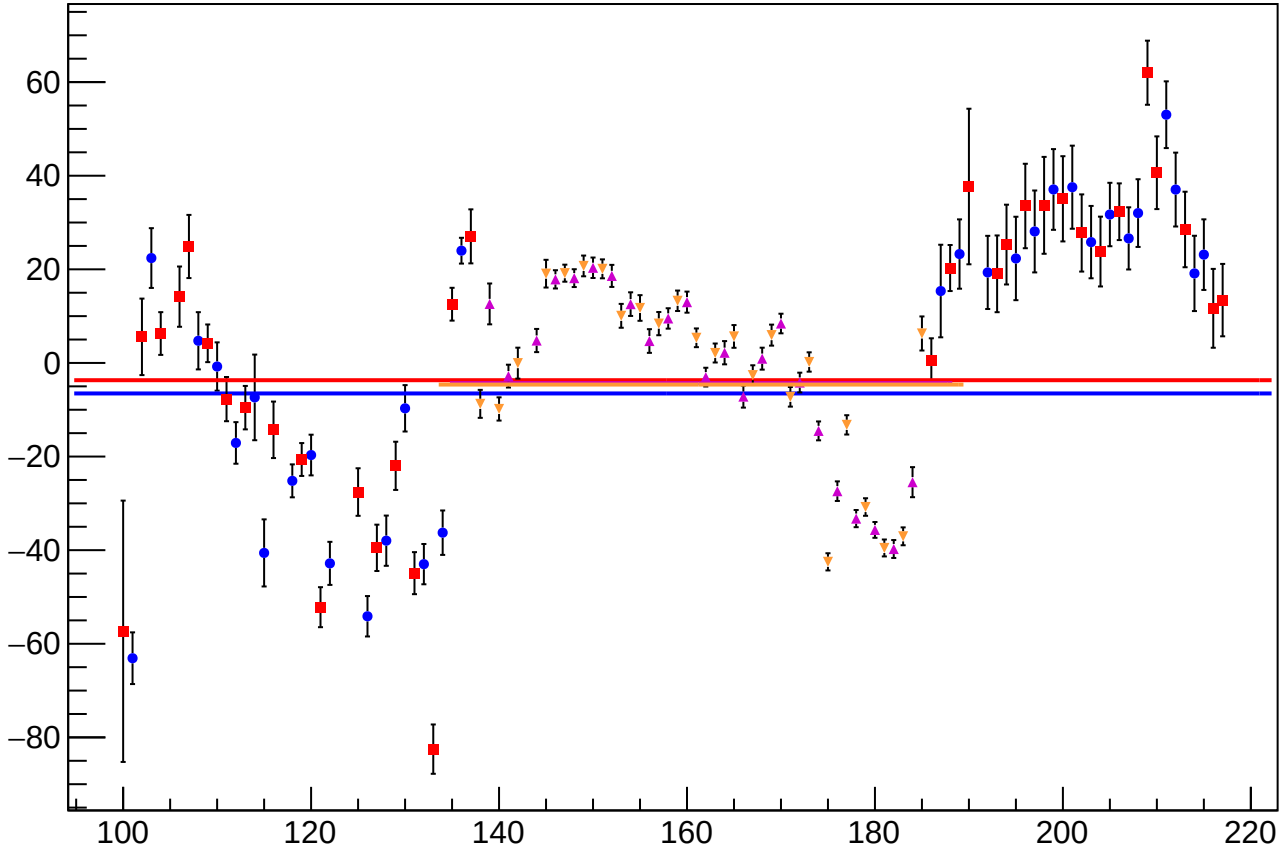
Right: -197.780+/-0.530 χ^2/NDF: 6384.4/64

In: -129.455+/-0.433 χ^2/NDF:13919.8/53

Out: -132.766+/-0.419 χ^2/NDF:18367.0/57

All: -131.167+/-0.301 χ^2/NDF: 32317.1/111

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: -3.688+/-0.983 χ^2/NDF: 951.9/33

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

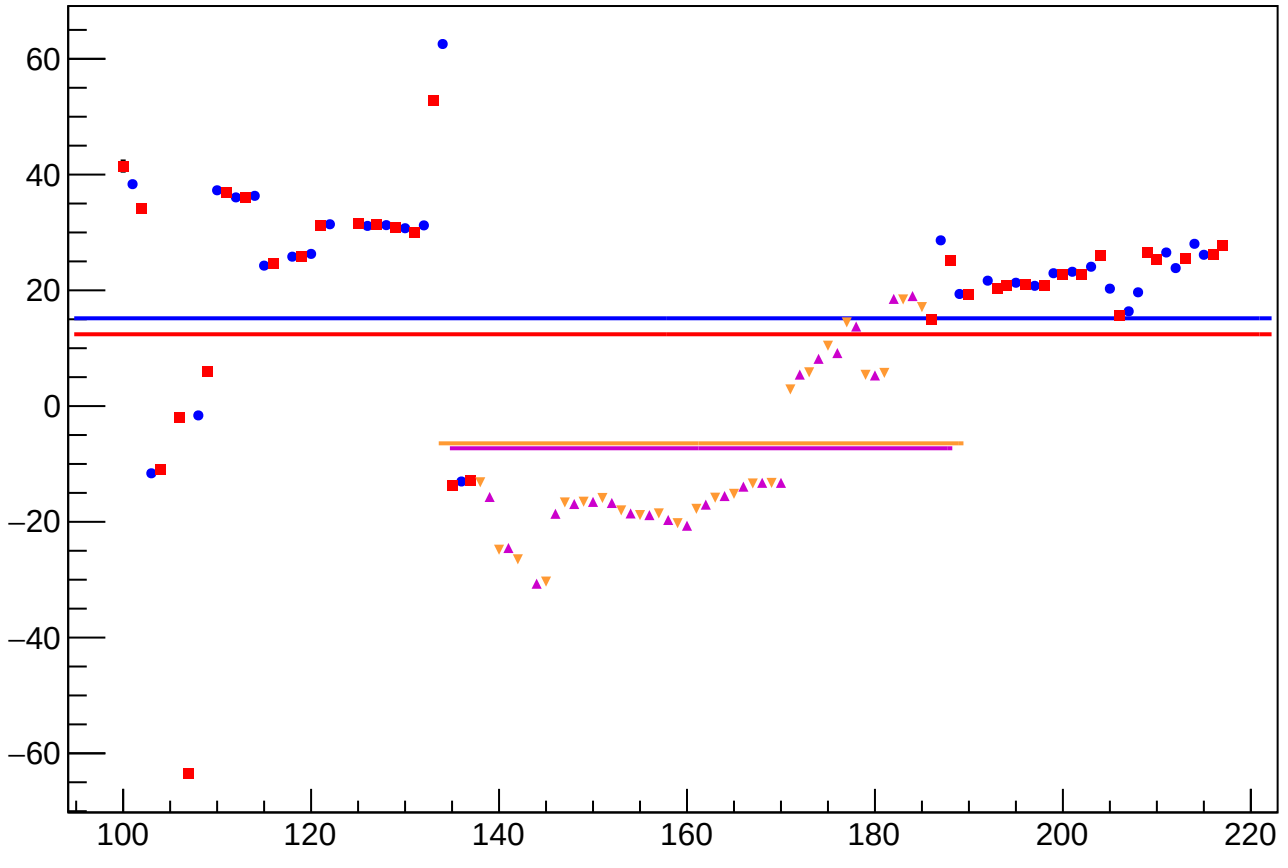
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -5.072+/-0.703 χ^2/NDF: 1940.8/64

In: -4.706+/-0.417 χ^2/NDF:2842.9/53

Out: -4.456+/-0.410 χ^2/NDF:3030.9/57

All: -4.579+/-0.293 χ^2/NDF: 5874.0/111



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: 12.408+/-0.049 χ^2/NDF: 184704.7/33

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

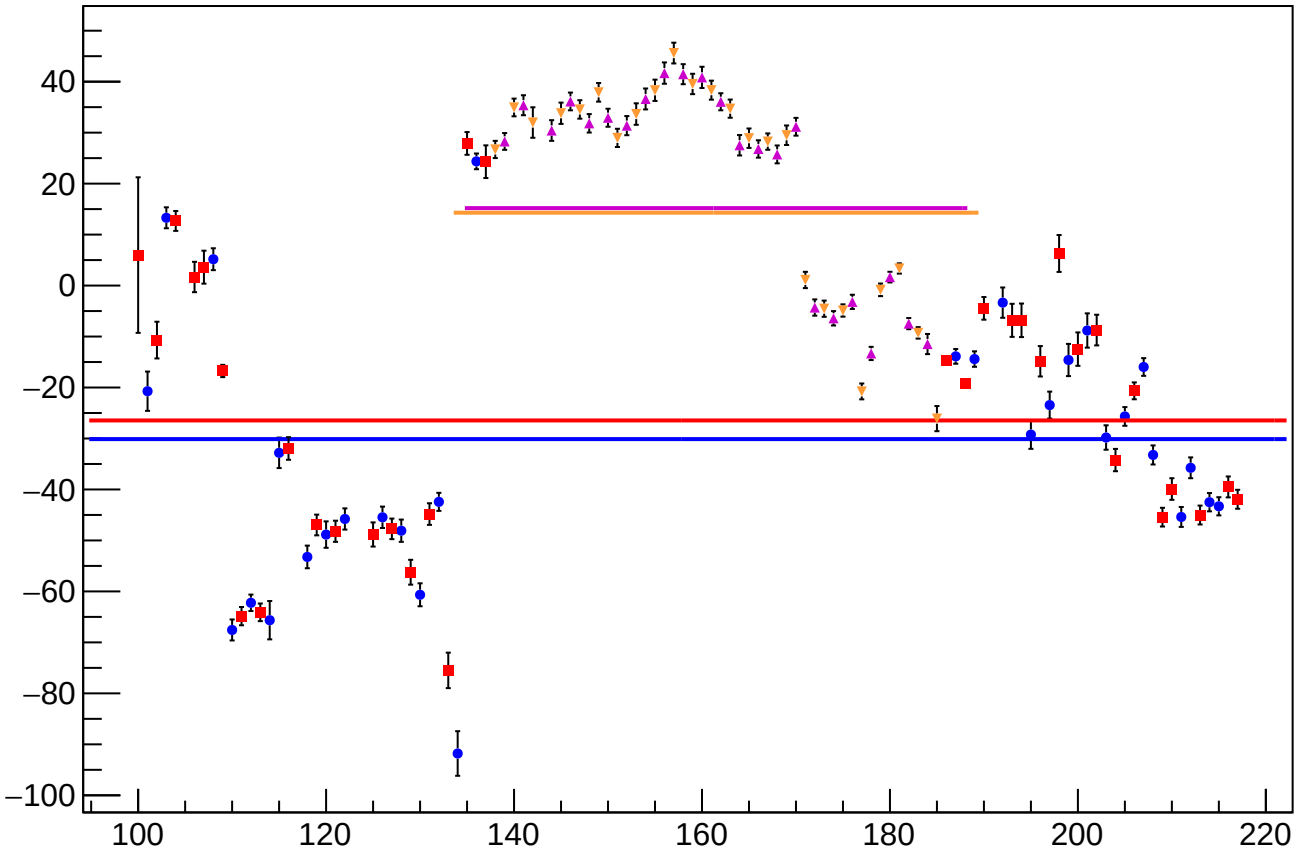
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 13.778+/-0.034 χ^2/NDF: 365398.1/64

In: -3.997+/-0.019 χ^2/NDF:846944.3/53

Out: -3.662+/-0.019 χ^2/NDF:809659.1/57

All: -3.829+/-0.013 χ^2/NDF: 1656763.3/111



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: -26.460+/-0.333 χ^2/NDF: 4217.8/33

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

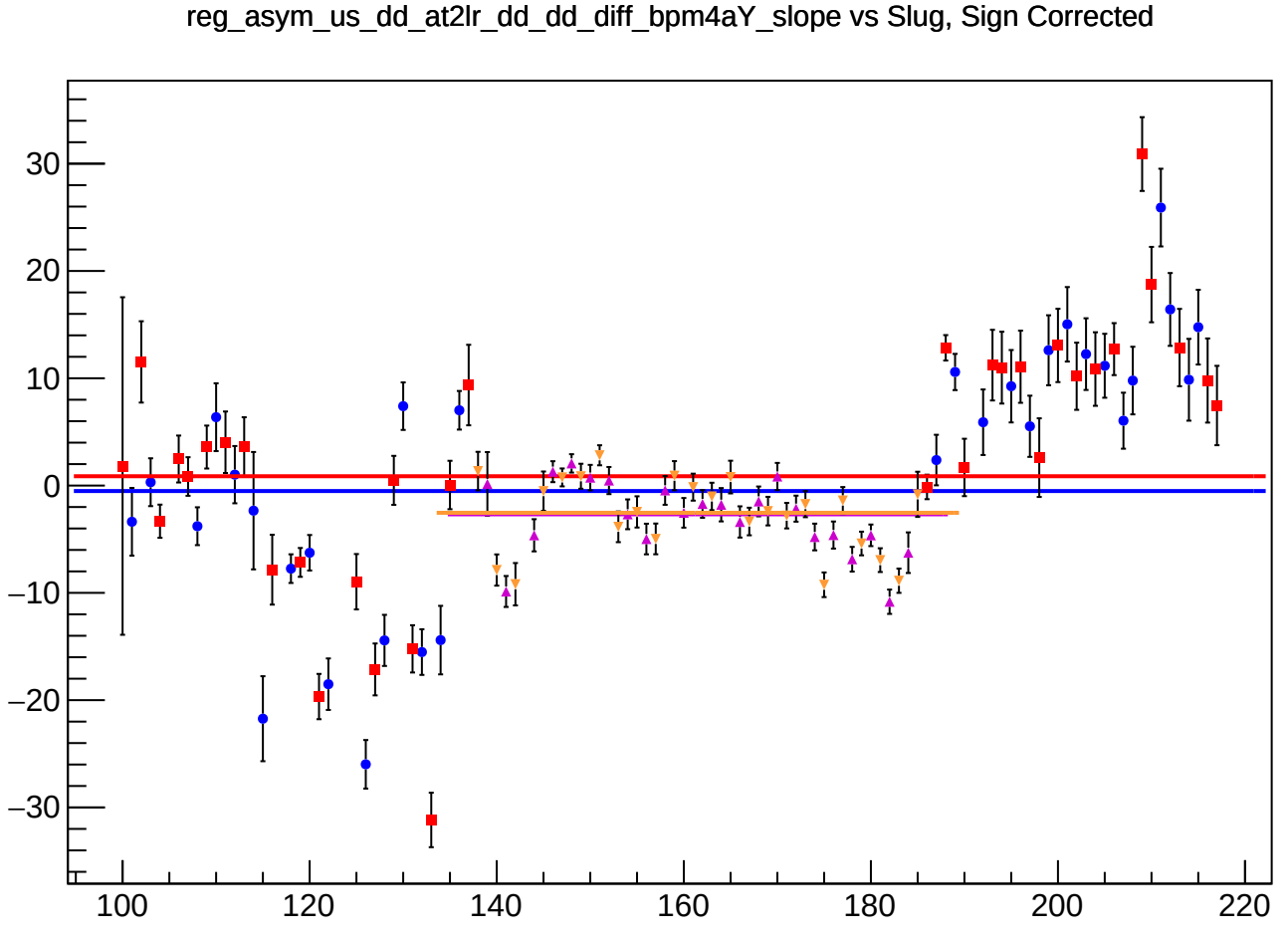
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -28.067+/-0.250 χ^2/NDF: 8461.2/64

In: -5.093+/-0.252 χ^2/NDF:15576.9/53

Out: -6.188+/-0.236 χ^2/NDF:15373.8/57

All: -5.676+/-0.172 χ^2/NDF: 30960.7/111



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: 0.870+/-0.398 χ^2/NDF: 752.2/33

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

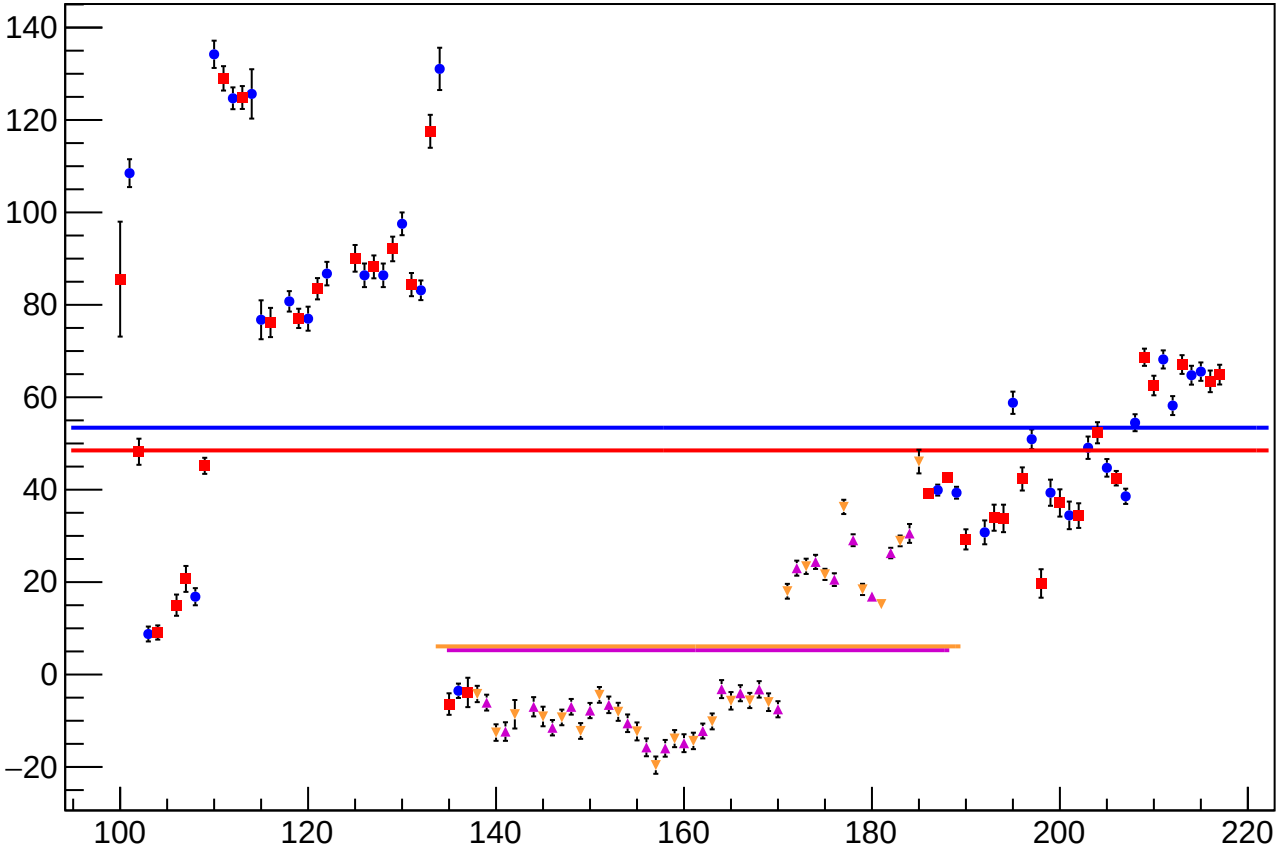
Right: 0.256+/-0.297 χ^2/NDF: 1403.2/64

In: -2.113+/-0.228 χ^2/NDF:845.3/53

Out: -1.524+/-0.217 χ^2/NDF:1002.1/57

All: -1.805+/-0.157 χ^2/NDF: 1850.9/111

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 53.413+/-0.377 χ^2/NDF: 6880.5/30

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 48.497+/-0.322 χ^2/NDF: 6350.3/33

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

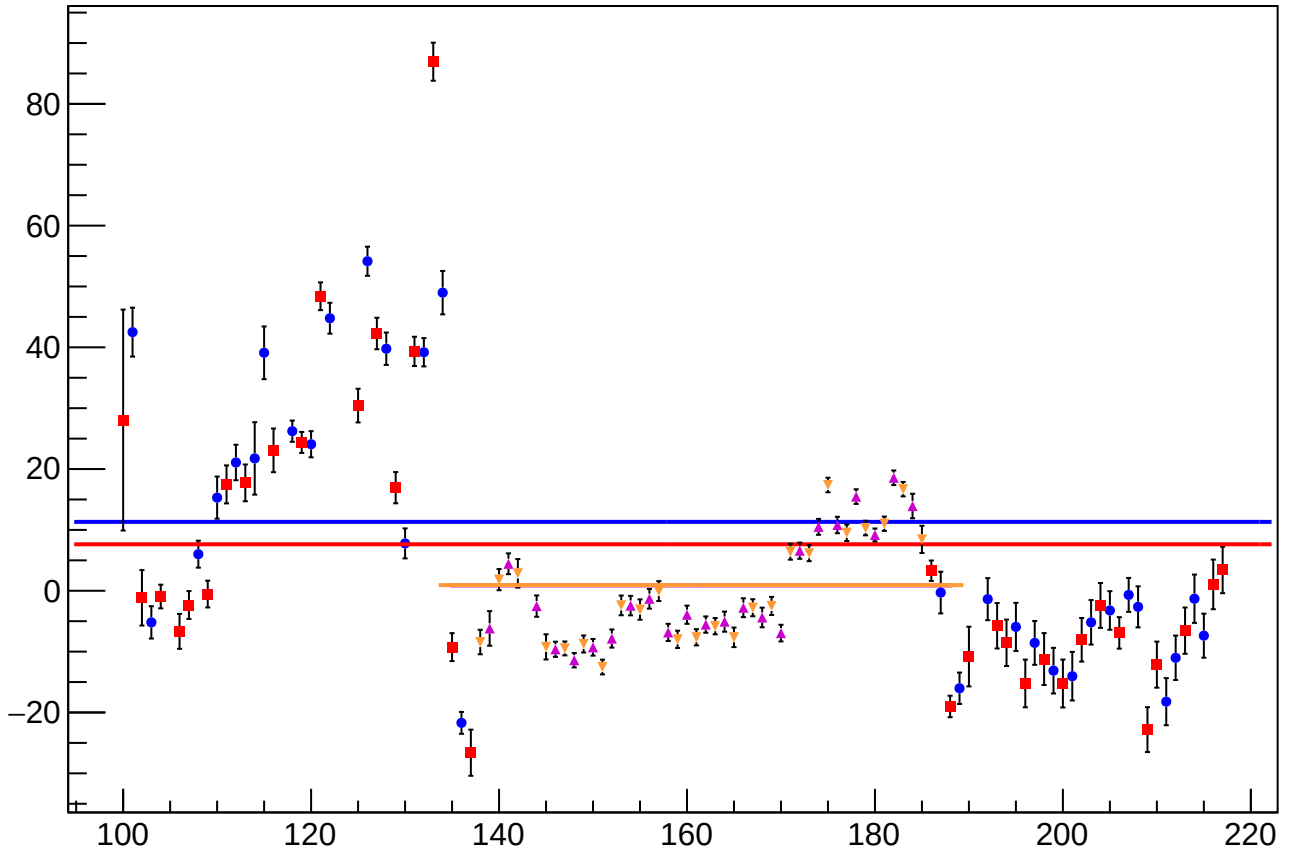
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 50.572+/-0.245 χ^2/NDF: 13329.1/64

In: 26.621+/-0.251 χ^2/NDF:18408.3/53

Out: 27.992+/-0.231 χ^2/NDF:17503.9/57

All: 27.362+/-0.170 χ^2/NDF: 35928.3/111



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: 7.639+/-0.482 χ^2/NDF: 2286.0/33

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

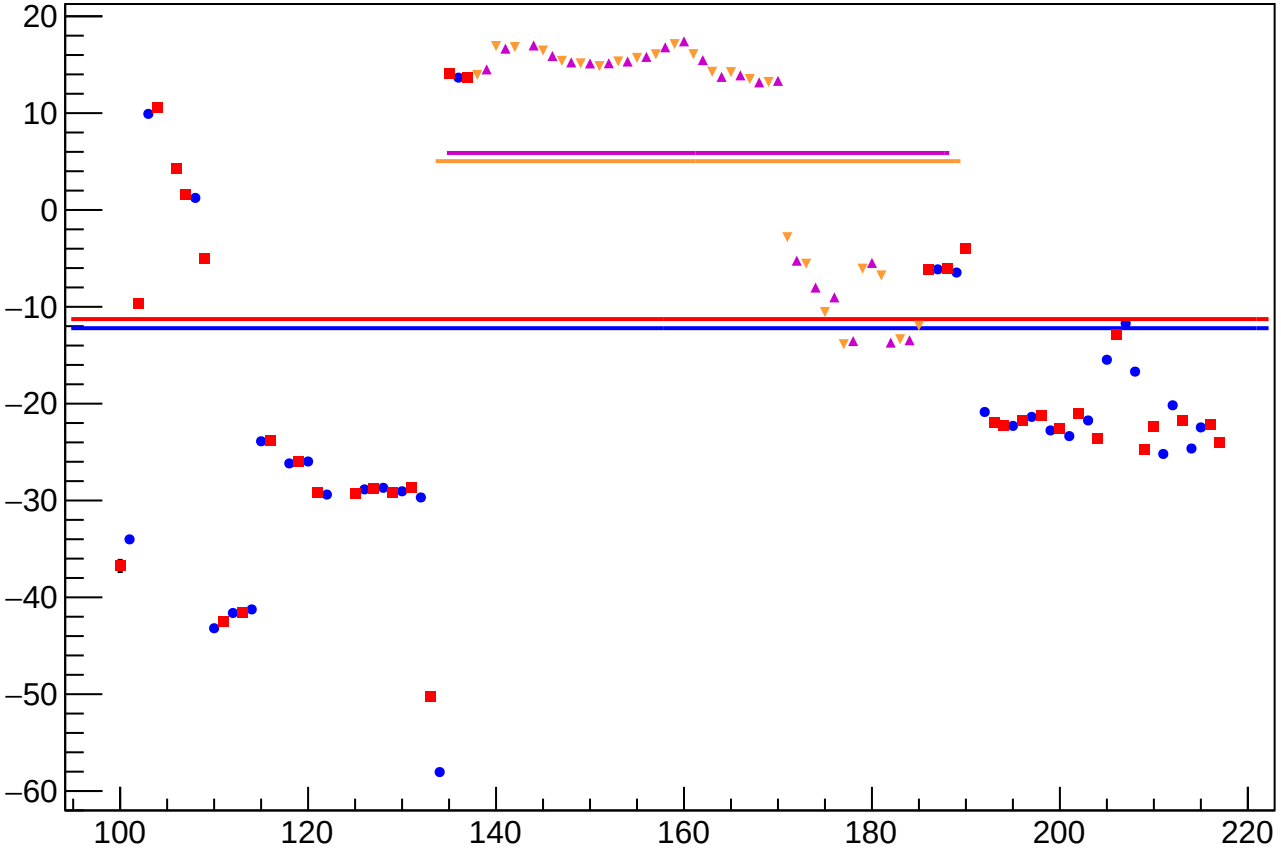
Right: 9.342+/-0.353 χ^2/NDF: 4263.0/64

In: 3.454+/-0.258 χ^2/NDF:3260.5/53

Out: 2.728+/-0.250 χ^2/NDF:3469.4/57

All: 3.079+/-0.179 χ^2/NDF: 6734.0/111

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: -11.268+/-0.023 χ^2/NDF: 427563.9/33

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

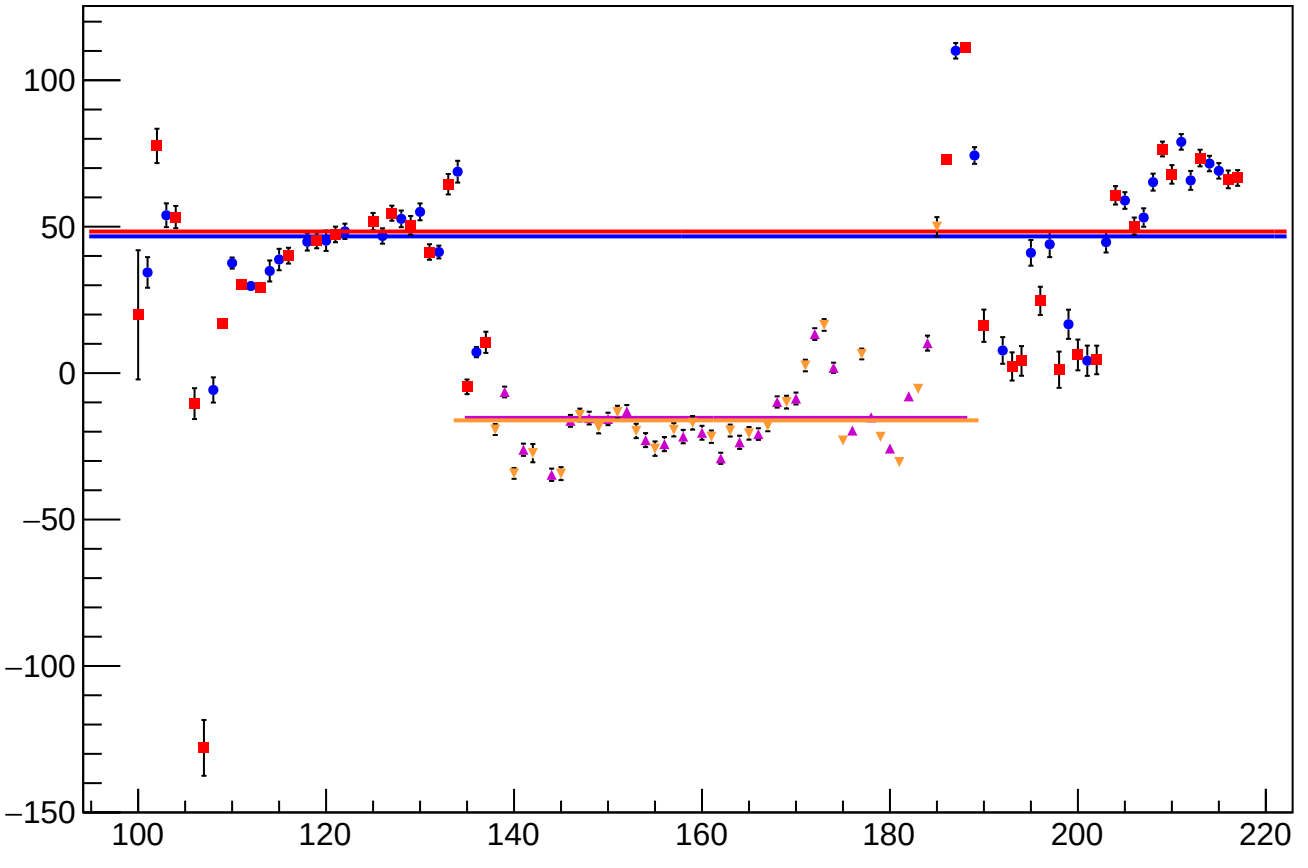
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.725+/-0.017 χ^2/NDF: 932410.0/64

In: 1.687+/-0.012 χ^2/NDF:1790015.6/53

Out: 1.136+/-0.011 χ^2/NDF:1656580.6/57

All: 1.408+/-0.008 χ^2/NDF: 3447752.8/111



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: 48.352+/-0.477 χ^2/NDF: 4466.5/33

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

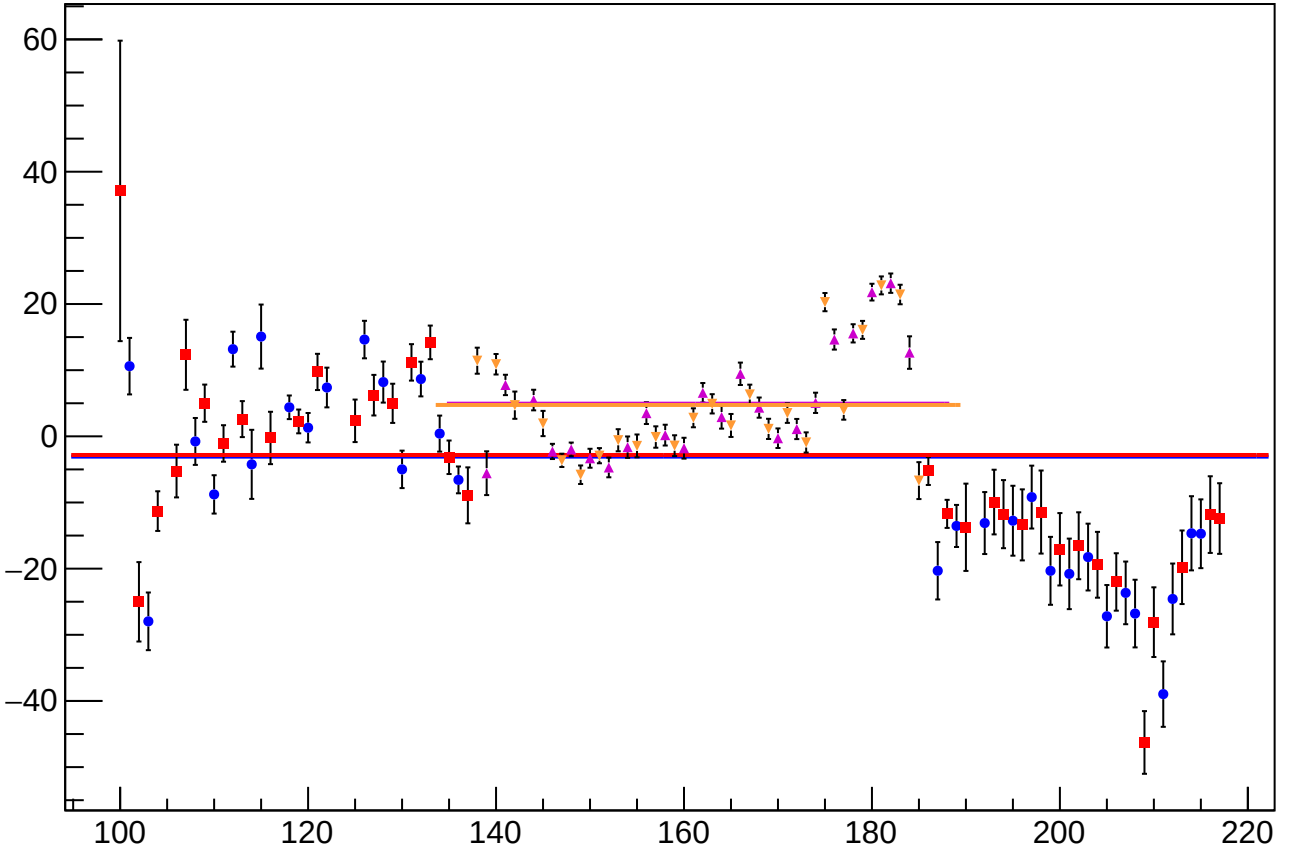
Right: 47.583+/-0.350 χ^2/NDF: 6597.1/64

In: 8.212+/-0.318 χ^2/NDF:11847.0/53

Out: 10.334+/-0.306 χ^2/NDF:16610.7/57

All: 9.314+/-0.220 χ^2/NDF: 28480.8/111

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: -2.819+/-0.587 χ^2/NDF: 365.2/33

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

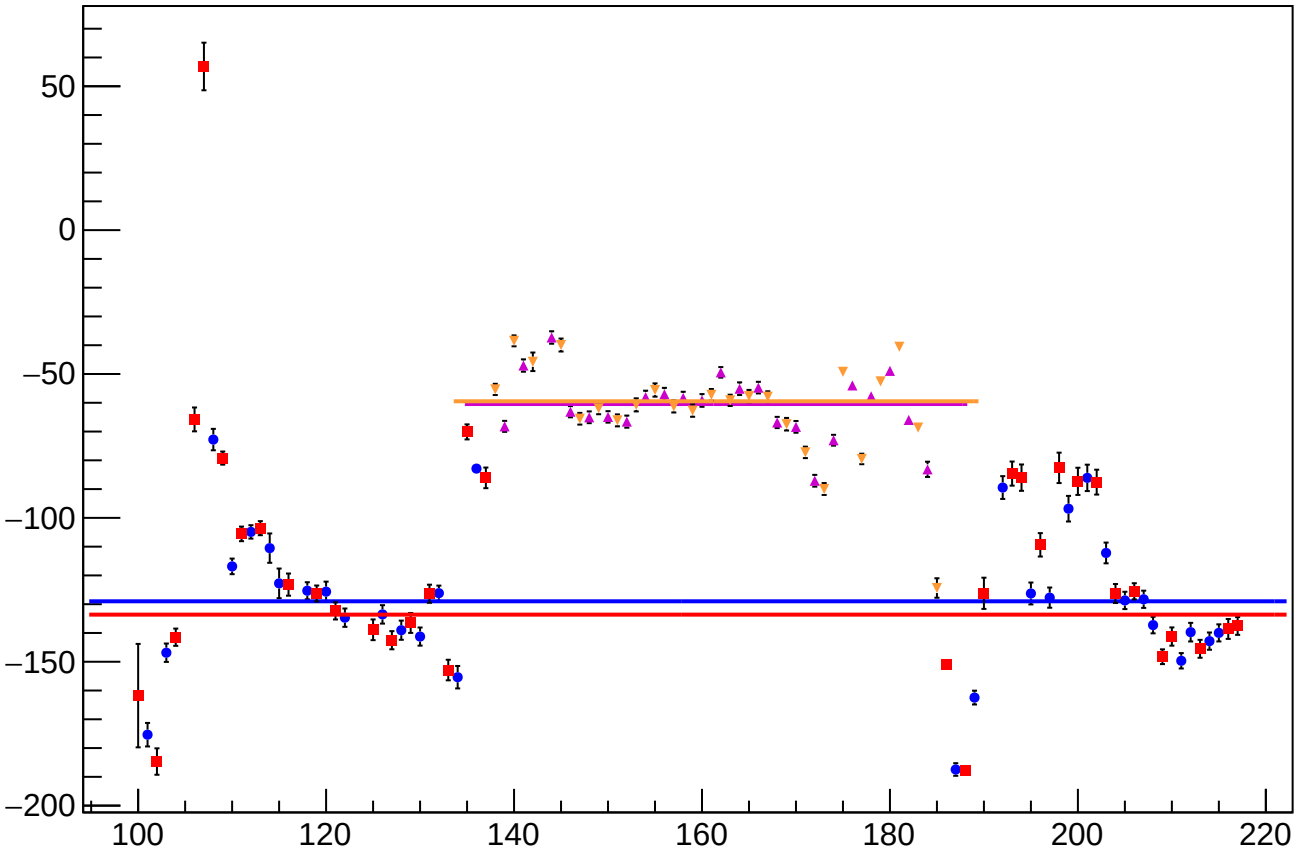
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -2.937+/-0.423 χ^2/NDF: 787.4/64

In: 3.264+/-0.278 χ^2/NDF:1246.9/53

Out: 3.122+/-0.272 χ^2/NDF:1289.6/57

All: 3.192+/-0.194 χ^2/NDF: 2536.6/111



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: -133.628+/-0.498 χ^2/NDF: 5389.1/33

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

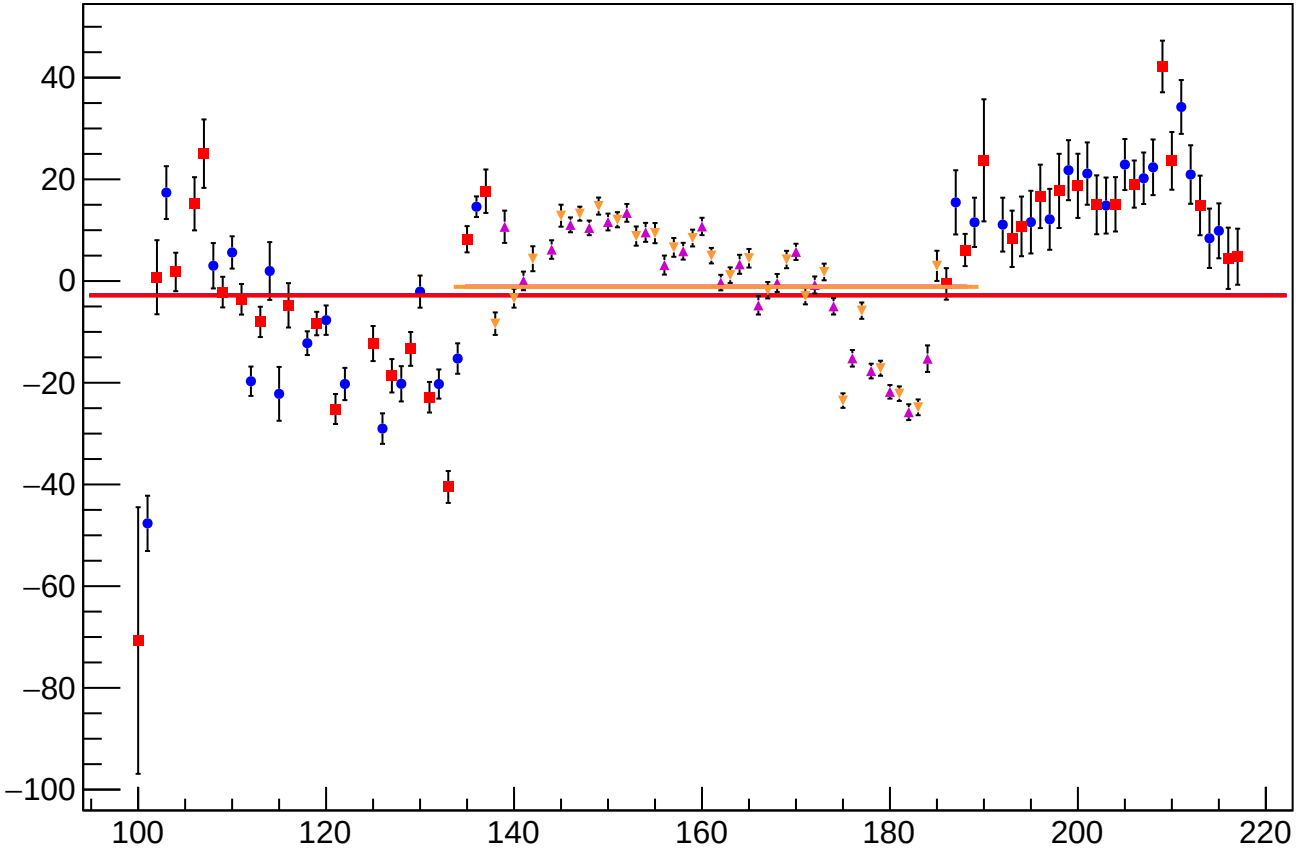
Right: -131.533+/-0.369 χ^2/NDF: 8012.9/64

In: -84.180+/-0.323 χ^2/NDF:13452.2/53

Out: -88.086+/-0.310 χ^2/NDF:20360.9/57

All: -86.216+/-0.223 χ^2/NDF: 33889.4/111

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -2.830+/-0.684 χ^2/NDF: 582.4/33

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

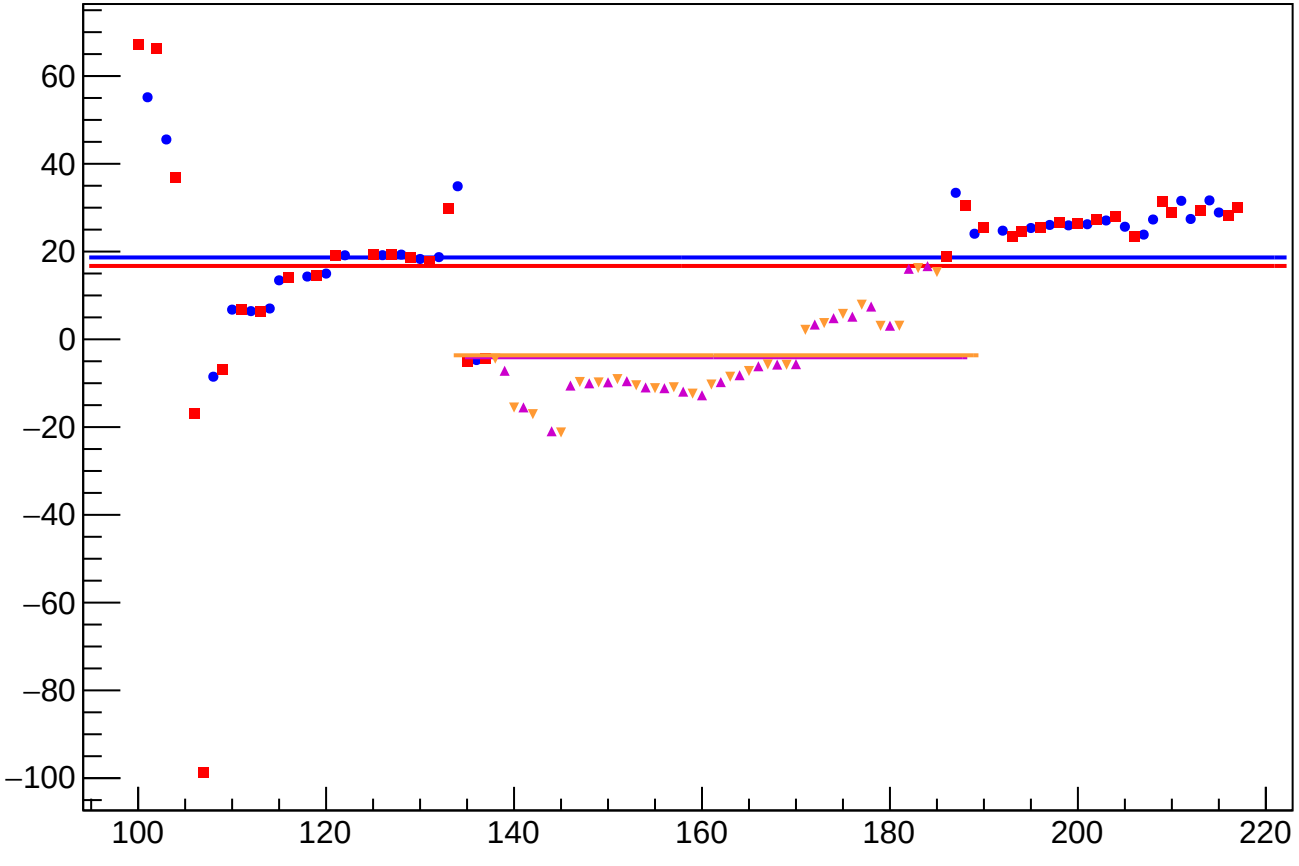
Right: -2.811+/-0.488 χ^2/NDF: 1223.4/64

In: -1.430+/-0.314 χ^2/NDF:1803.1/53

Out: -1.487+/-0.308 χ^2/NDF:1890.3/57

All: -1.459+/-0.220 χ^2/NDF: 3693.4/111

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: 16.721+/-0.035 χ^2/NDF: 354826.4/33

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

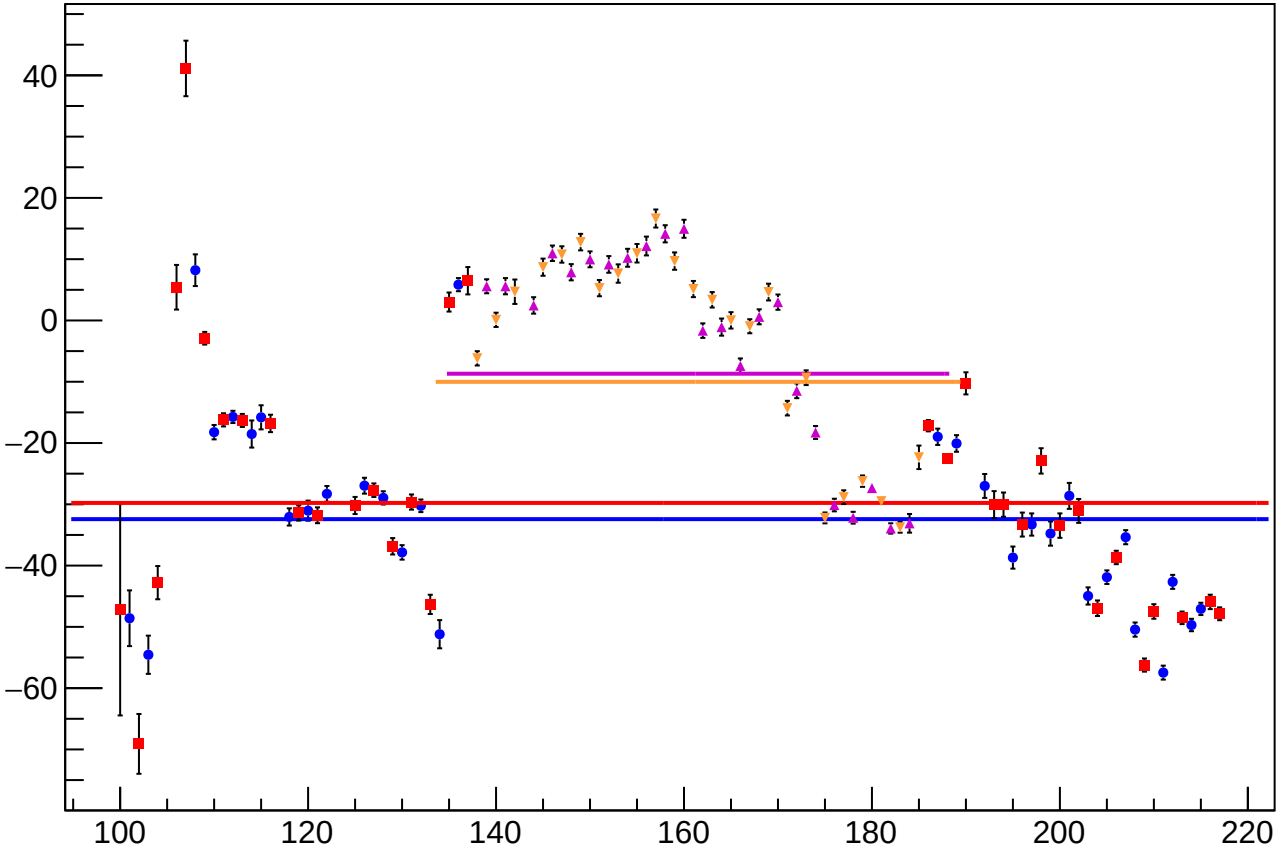
Right: 17.696+/-0.025 χ^2/NDF: 575157.4/64

In: -0.354+/-0.014 χ^2/NDF:904536.1/53

Out: -0.360+/-0.014 χ^2/NDF:980348.0/57

All: -0.357+/-0.010 χ^2/NDF: 1884884.2/111

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -29.775+/-0.232 χ^2/NDF: 4672.1/33

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

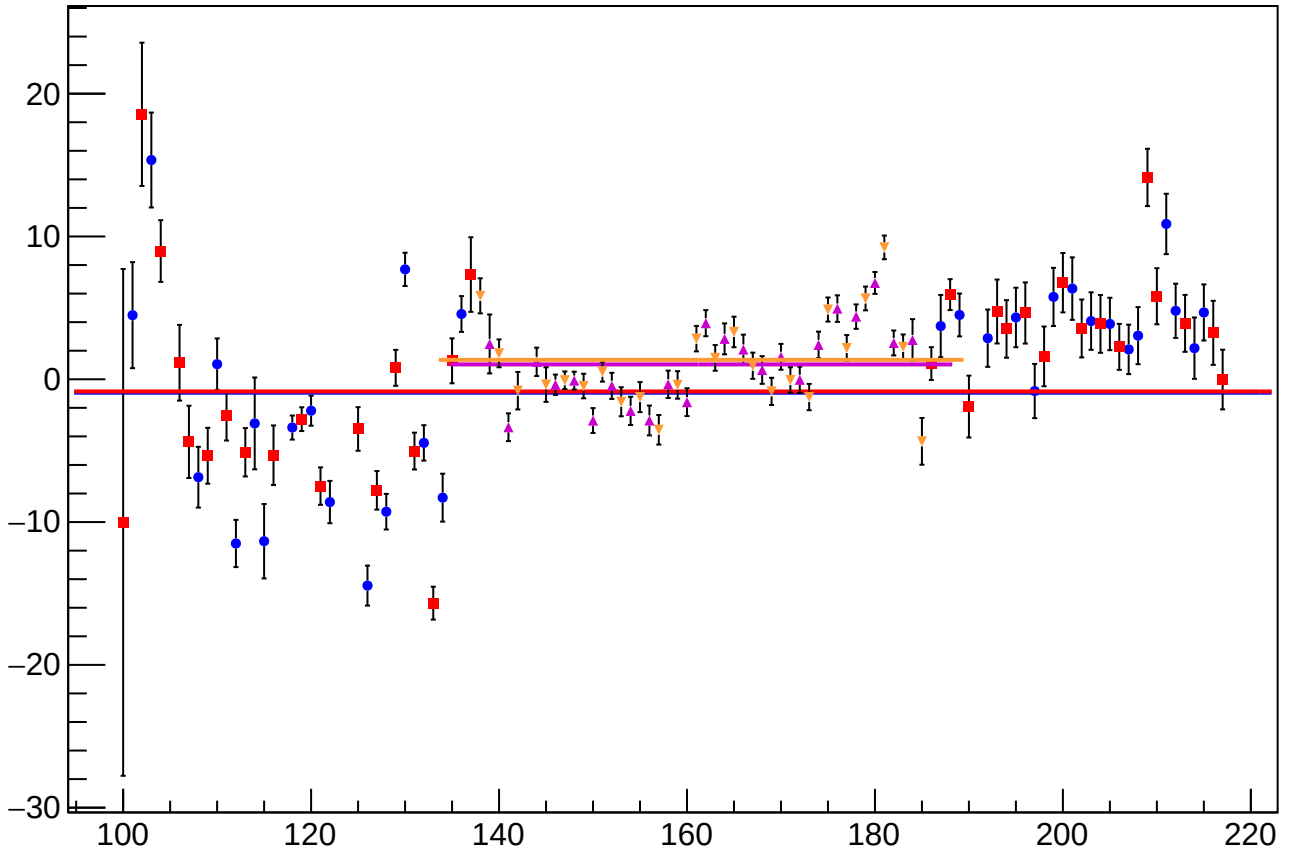
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -31.038+/-0.168 χ^2/NDF: 8659.9/64

In: -20.776+/-0.173 χ^2/NDF:13624.2/53

Out: -20.395+/-0.168 χ^2/NDF:13086.5/57

All: -20.580+/-0.121 χ^2/NDF: 26713.2/111



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: -0.853+/-0.285 χ^2/NDF: 471.0/33

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

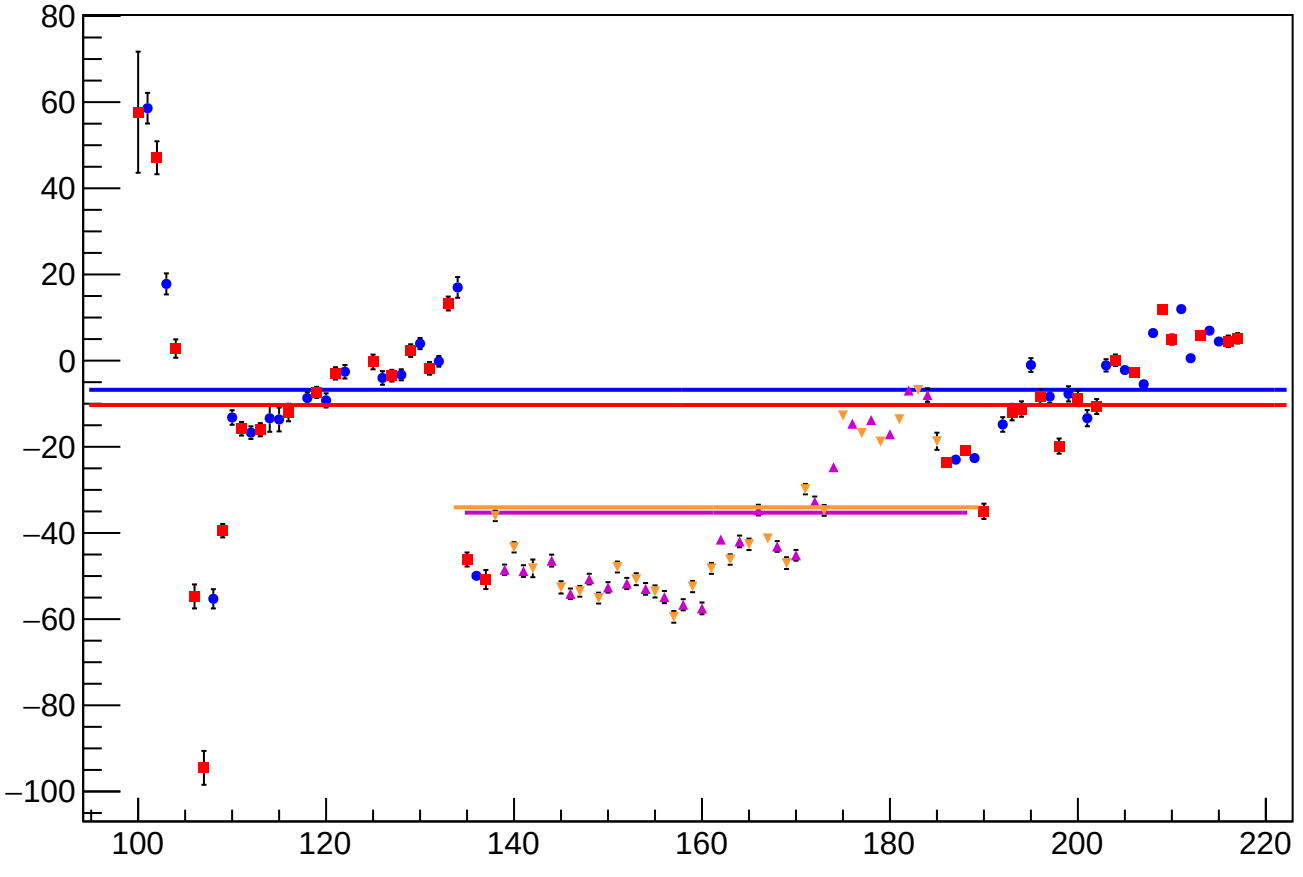
Right: -0.895+/-0.205 χ^2/NDF: 959.8/64

In: 0.447+/-0.161 χ^2/NDF:716.6/53

Out: 0.689+/-0.157 χ^2/NDF:753.3/57

All: 0.571+/-0.112 χ^2/NDF: 1471.1/111

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -10.309+/-0.238 χ^2/NDF: 4644.0/33

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

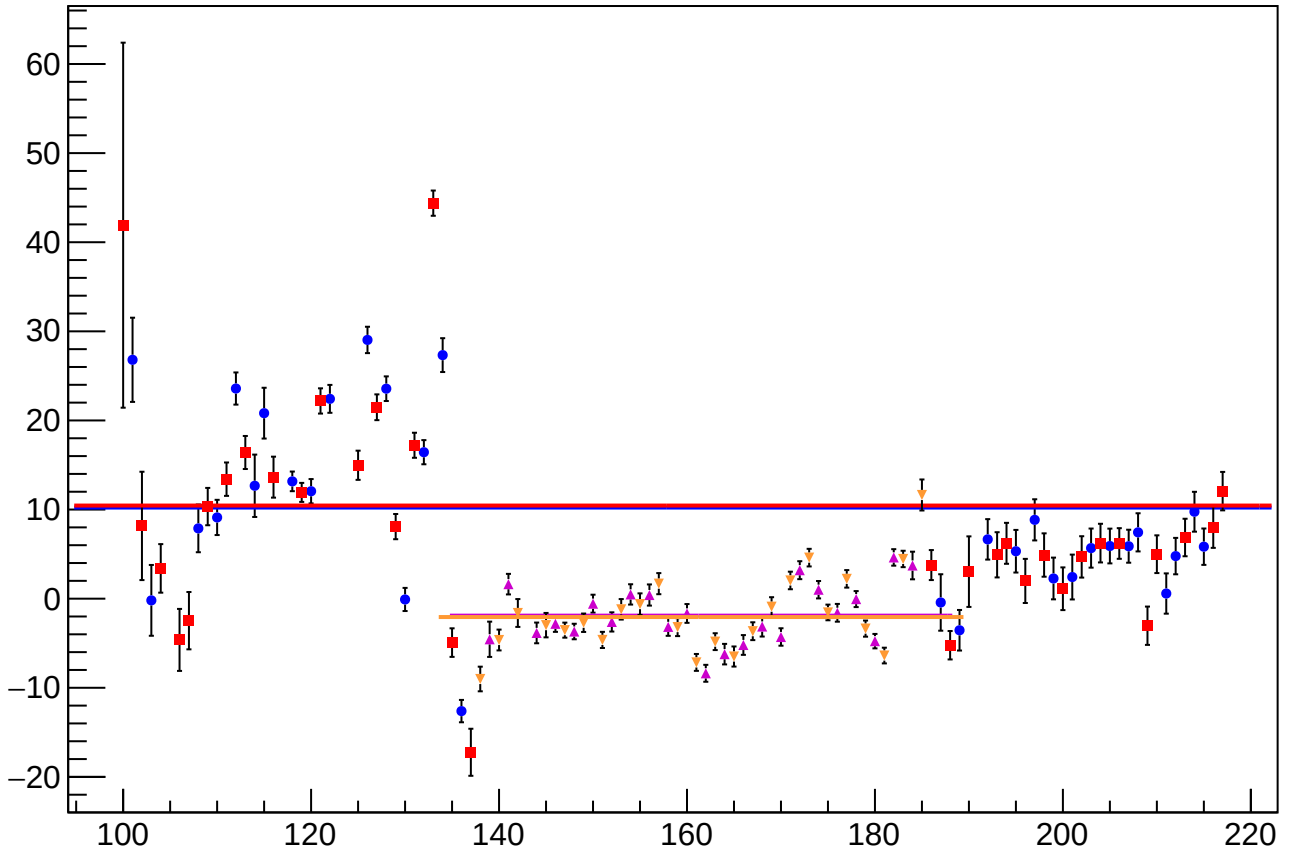
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -8.659+/-0.174 χ^2/NDF: 8706.1/64

In: -21.588+/-0.177 χ^2/NDF:15442.2/53

Out: -21.969+/-0.170 χ^2/NDF:14476.9/57

All: -21.786+/-0.123 χ^2/NDF: 29921.4/111



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: 10.449+/-0.332 χ^2/NDF: 1220.6/33

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

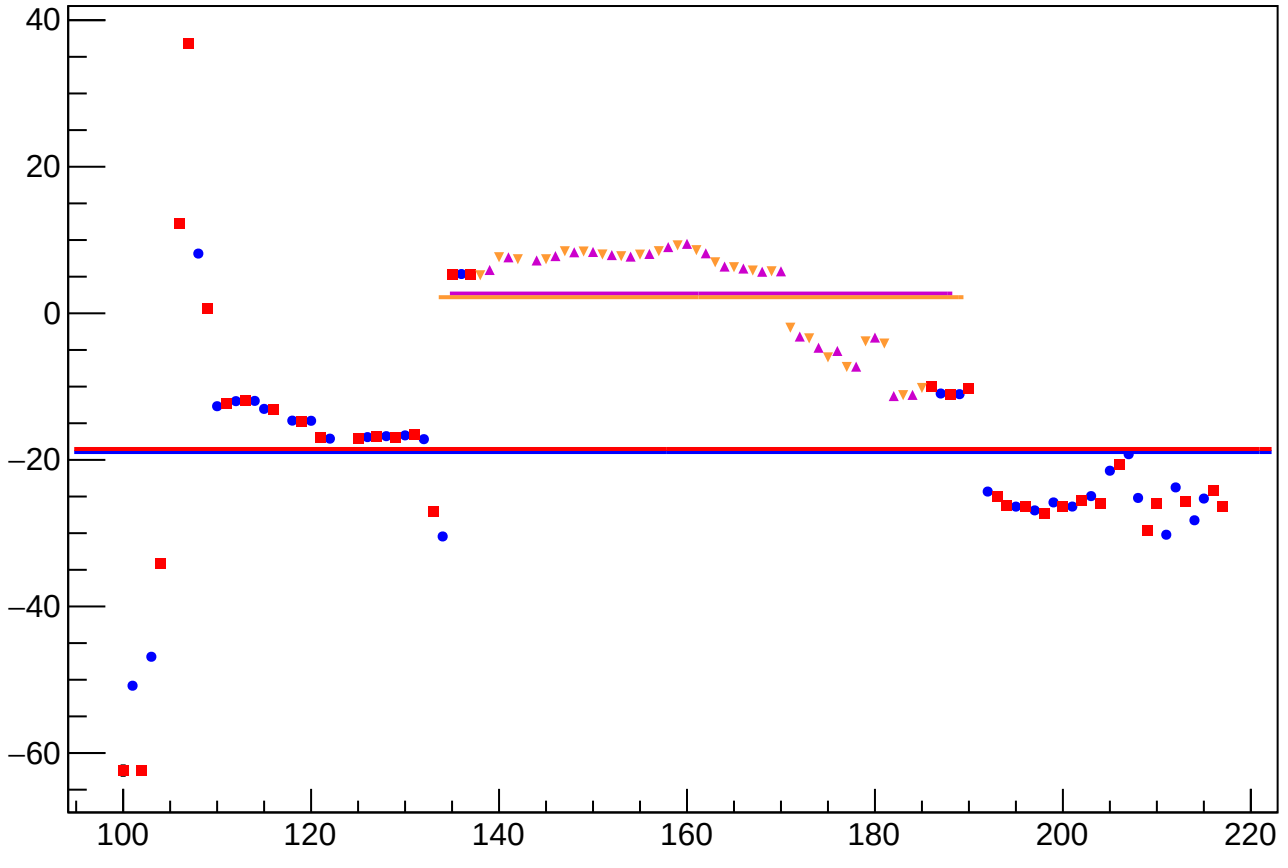
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.339+/-0.236 χ^2/NDF: 2253.6/64

In: 1.647+/-0.182 χ^2/NDF:2177.0/53

Out: 1.565+/-0.179 χ^2/NDF:2560.3/57

All: 1.605+/-0.127 χ^2/NDF: 4737.4/111



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: -18.513+/-0.017 χ^2/NDF: 615293.1/33

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

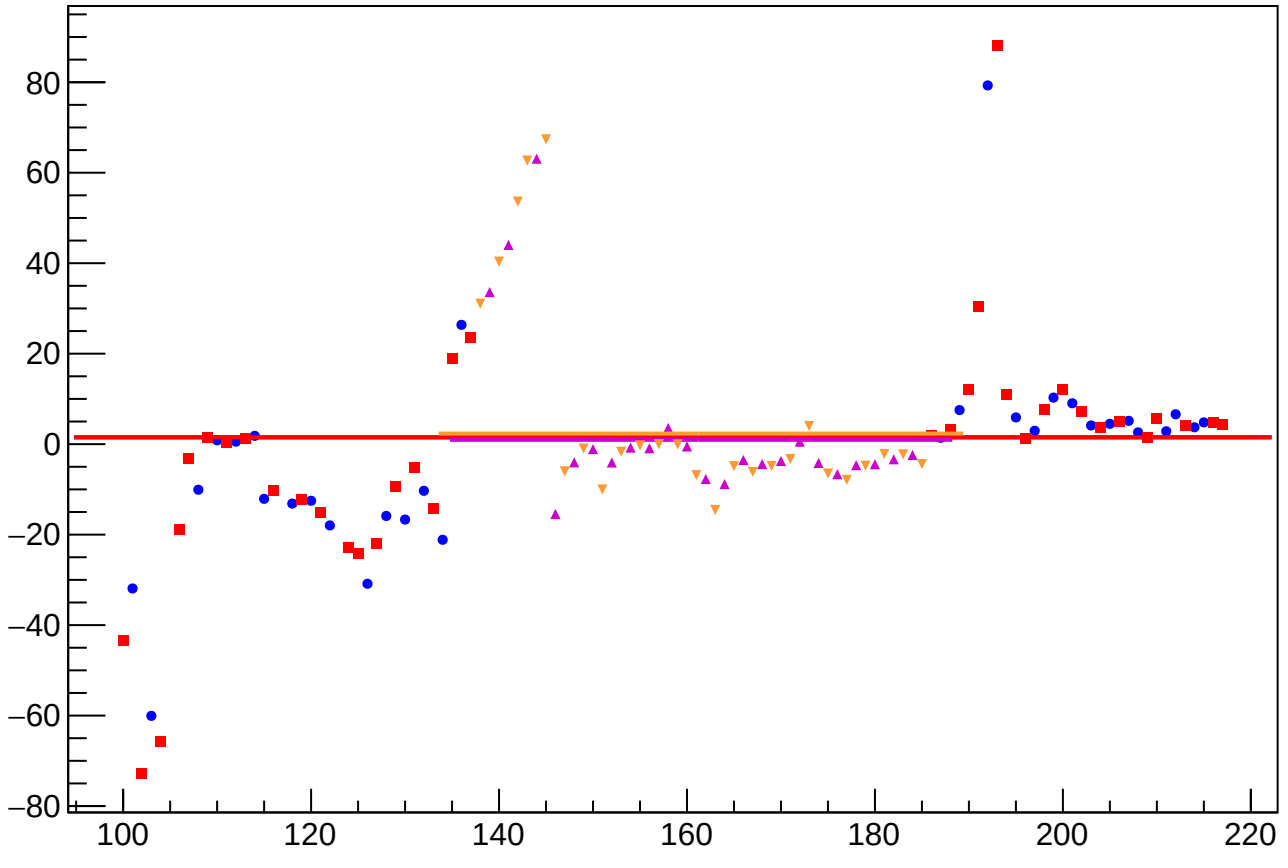
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.720+/-0.012 χ^2/NDF: 1146988.8/64

In: -2.588+/-0.008 χ^2/NDF:2281814.2/53

Out: -2.839+/-0.008 χ^2/NDF:2280907.4/57

All: -2.714+/-0.006 χ^2/NDF: 4563181.8/111



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: 1.507+/-0.032 χ^2/NDF: 122438.8/35

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

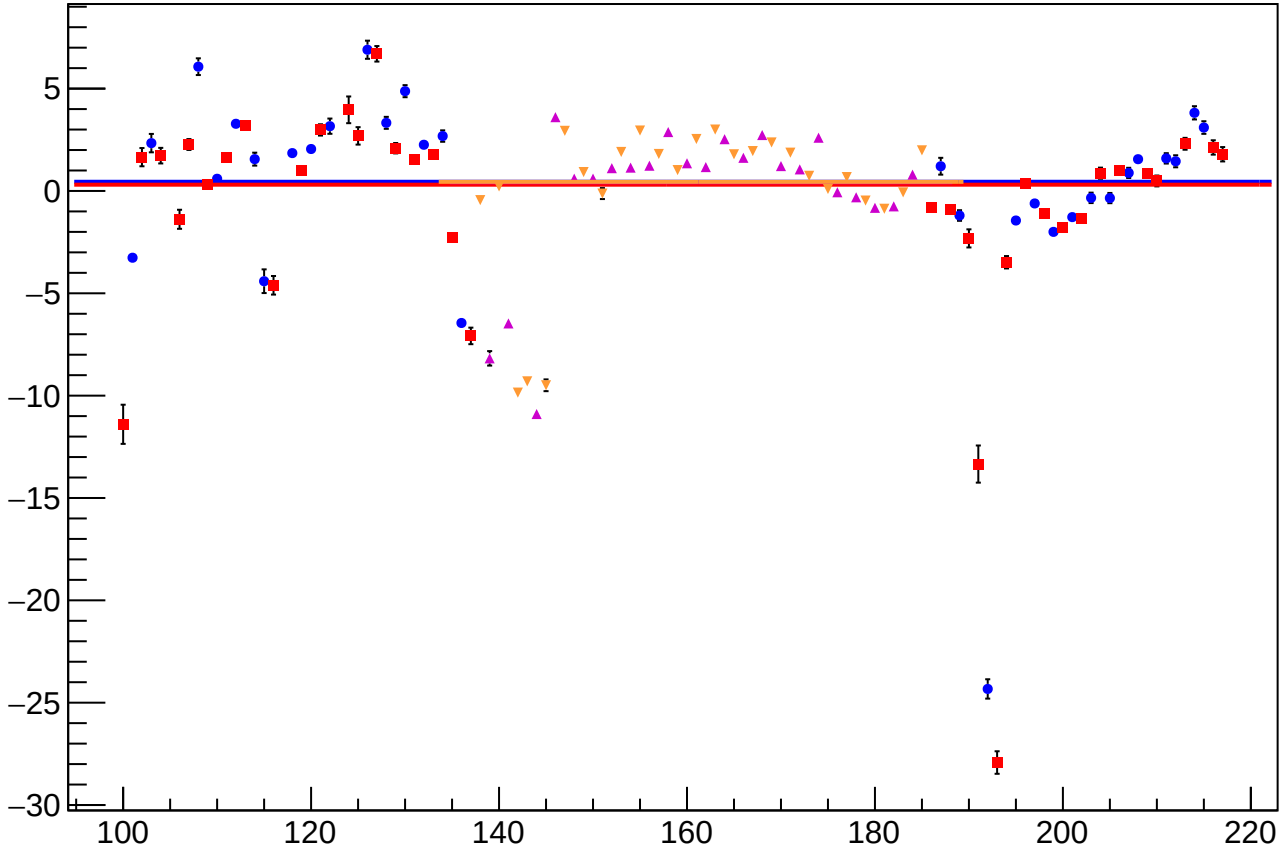
Right: 1.508+/-0.023 χ^2/NDF: 243922.8/66

In: 1.270+/-0.026 χ^2/NDF:254112.1/53

Out: 1.826+/-0.025 χ^2/NDF:299690.2/60

All: 1.563+/-0.018 χ^2/NDF: 554038.3/114

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.449+/-0.044 χ^2/NDF: 6094.2/30

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.306+/-0.042 χ^2/NDF: 5198.1/35

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

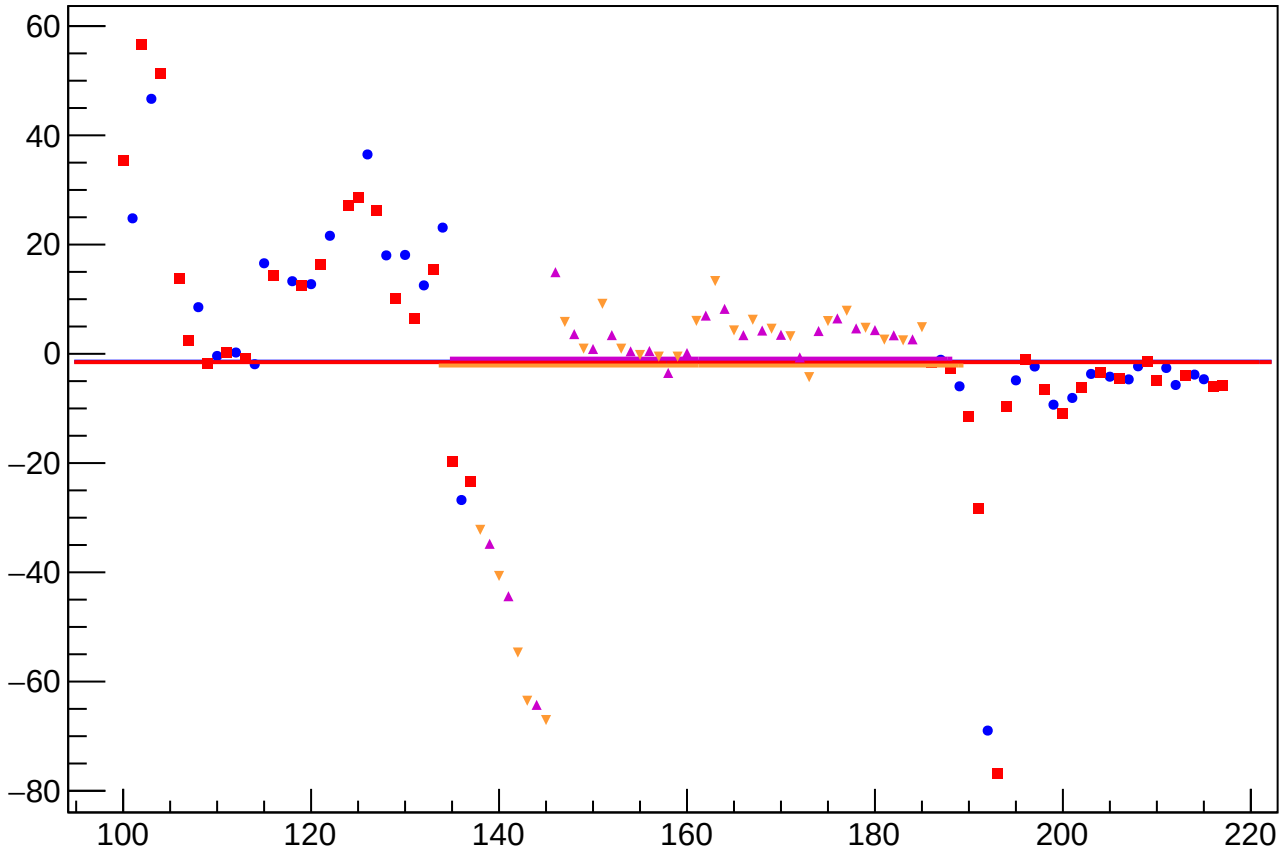
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.374+/-0.031 χ^2/NDF: 11297.8/66

In: 0.435+/-0.026 χ^2/NDF:13196.7/53

Out: 0.393+/-0.026 χ^2/NDF:12249.3/60

All: 0.414+/-0.018 χ^2/NDF: 25447.3/114



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: -1.523+/-0.034 χ^2/NDF: 120763.6/35

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

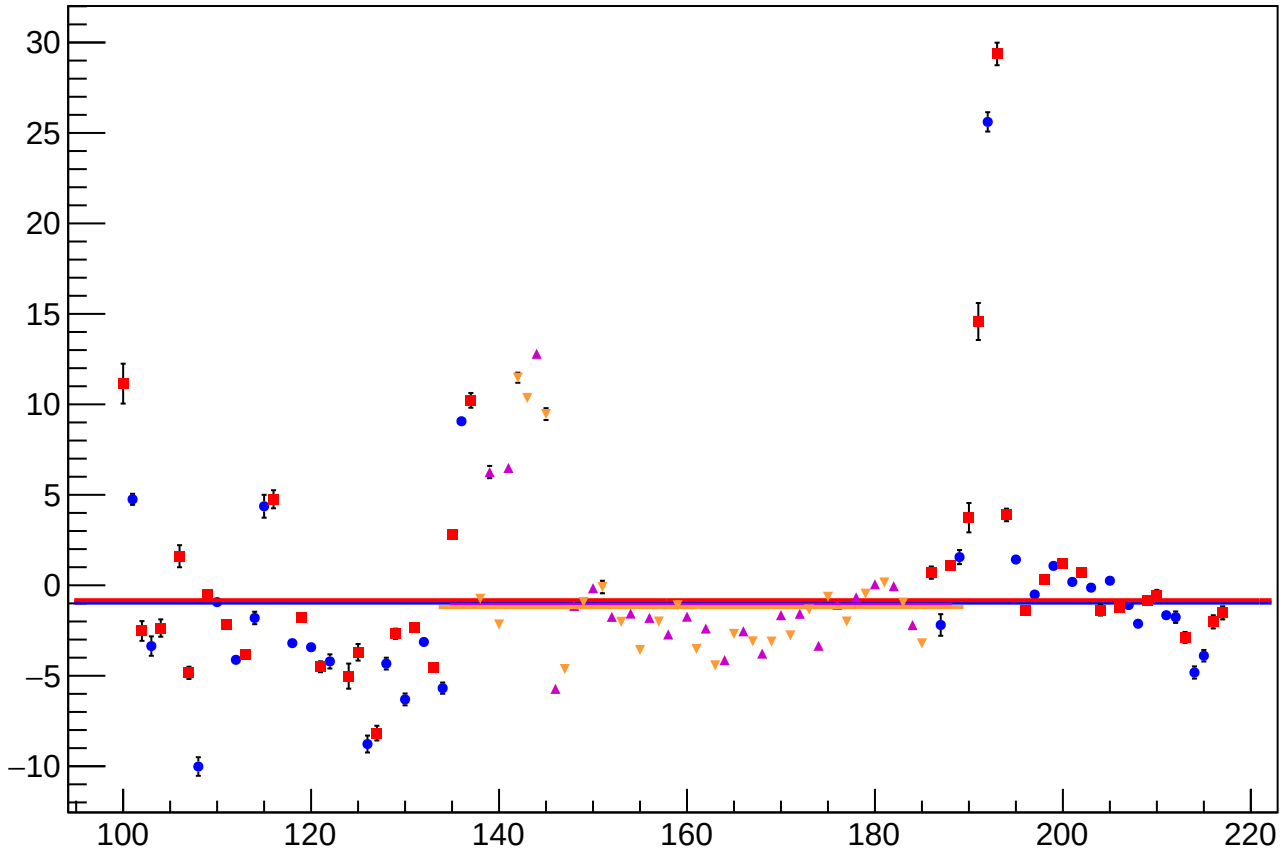
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.482+/-0.025 χ^2/NDF: 240534.0/66

In: -1.181+/-0.027 χ^2/NDF:249072.3/53

Out: -1.777+/-0.026 χ^2/NDF:292174.8/60

All: -1.489+/-0.019 χ^2/NDF: 541505.5/114



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: -0.823+/-0.048 χ^2/NDF: 5674.7/35

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

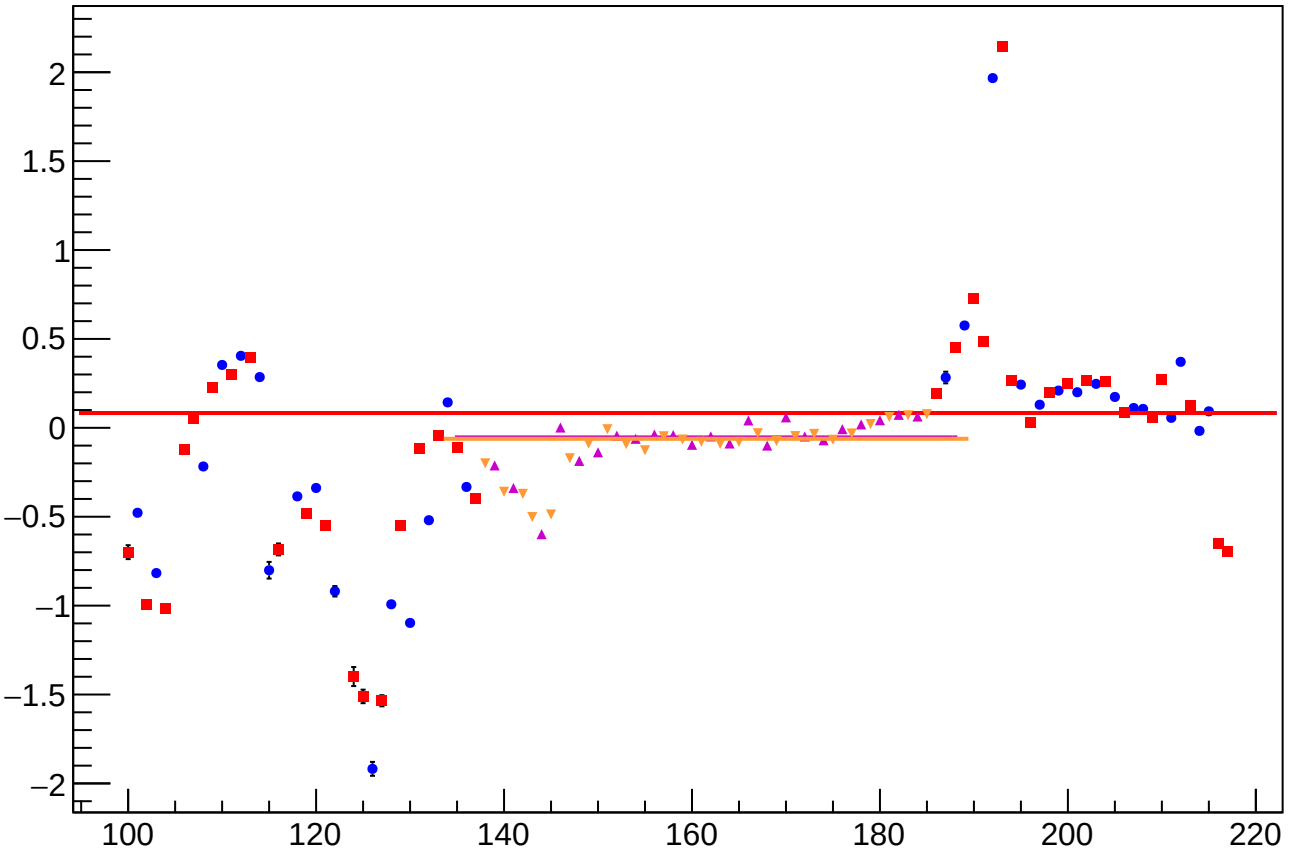
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.888+/-0.035 χ^2/NDF: 13278.9/66

In: -1.050+/-0.029 χ^2/NDF:14634.5/53

Out: -1.068+/-0.029 χ^2/NDF:12717.6/60

All: -1.059+/-0.020 χ^2/NDF: 27352.3/114



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: 0.083+/-0.002 χ^2/NDF: 37496.2/35

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

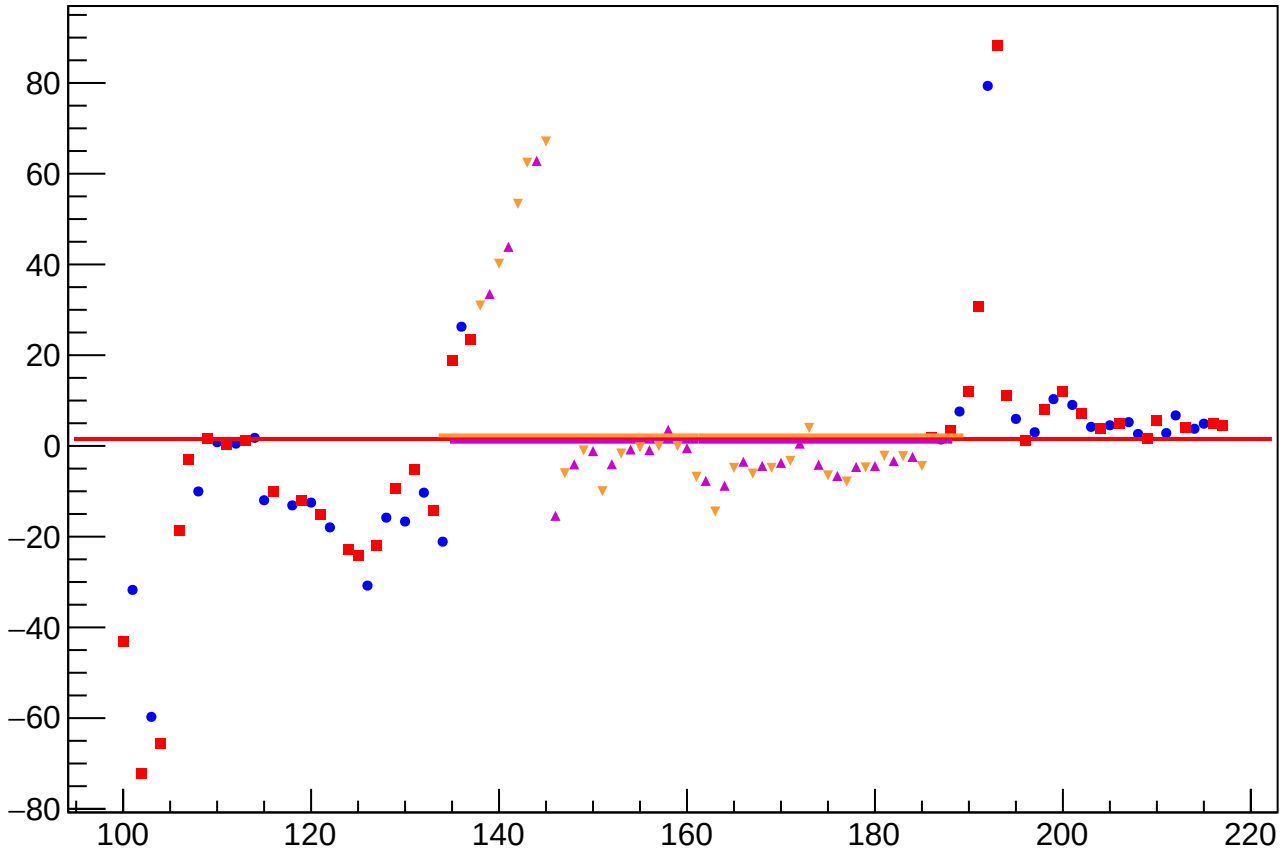
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.083+/-0.002 χ^2/NDF: 71946.8/66

In: -0.013+/-0.001 χ^2/NDF:42023.9/53

Out: -0.013+/-0.001 χ^2/NDF:46027.0/60

All: -0.013+/-0.001 χ^2/NDF: 88051.0/114



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: 1.532+/-0.032 χ^2/NDF: 123064.2/35

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

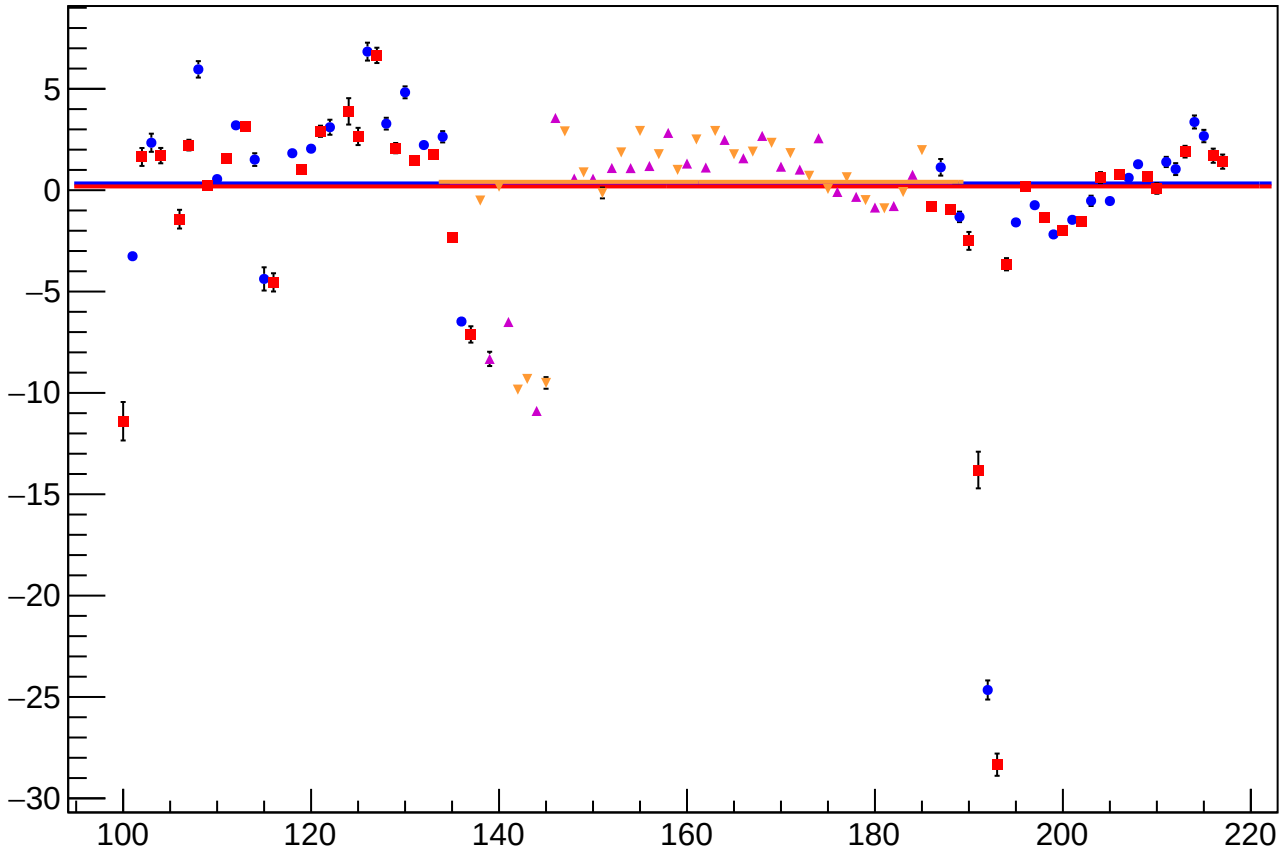
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.532+/-0.023 χ^2/NDF: 245116.6/66

In: 1.274+/-0.026 χ^2/NDF:254585.7/53

Out: 1.831+/-0.025 χ^2/NDF:300048.0/60

All: 1.568+/-0.018 χ^2/NDF: 554872.5/114



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: 0.185+/-0.042 χ^2/NDF: 5330.8/35

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

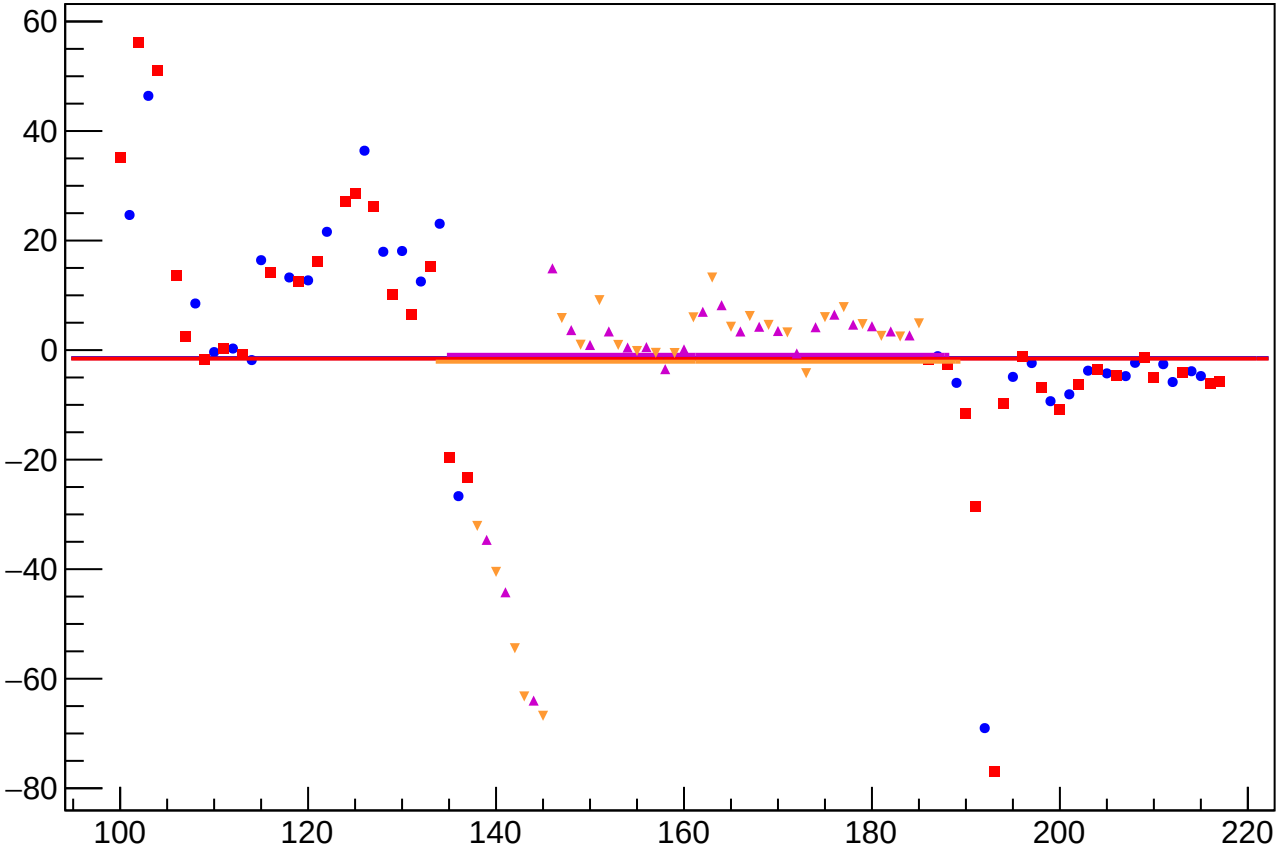
Right: 0.255+/-0.030 χ^2/NDF: 11507.6/66

In: 0.370+/-0.026 χ^2/NDF:13286.2/53

Out: 0.327+/-0.026 χ^2/NDF:12396.5/60

All: 0.349+/-0.018 χ^2/NDF: 25684.1/114

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: -1.553+/-0.033 χ^2/NDF: 121351.4/35

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

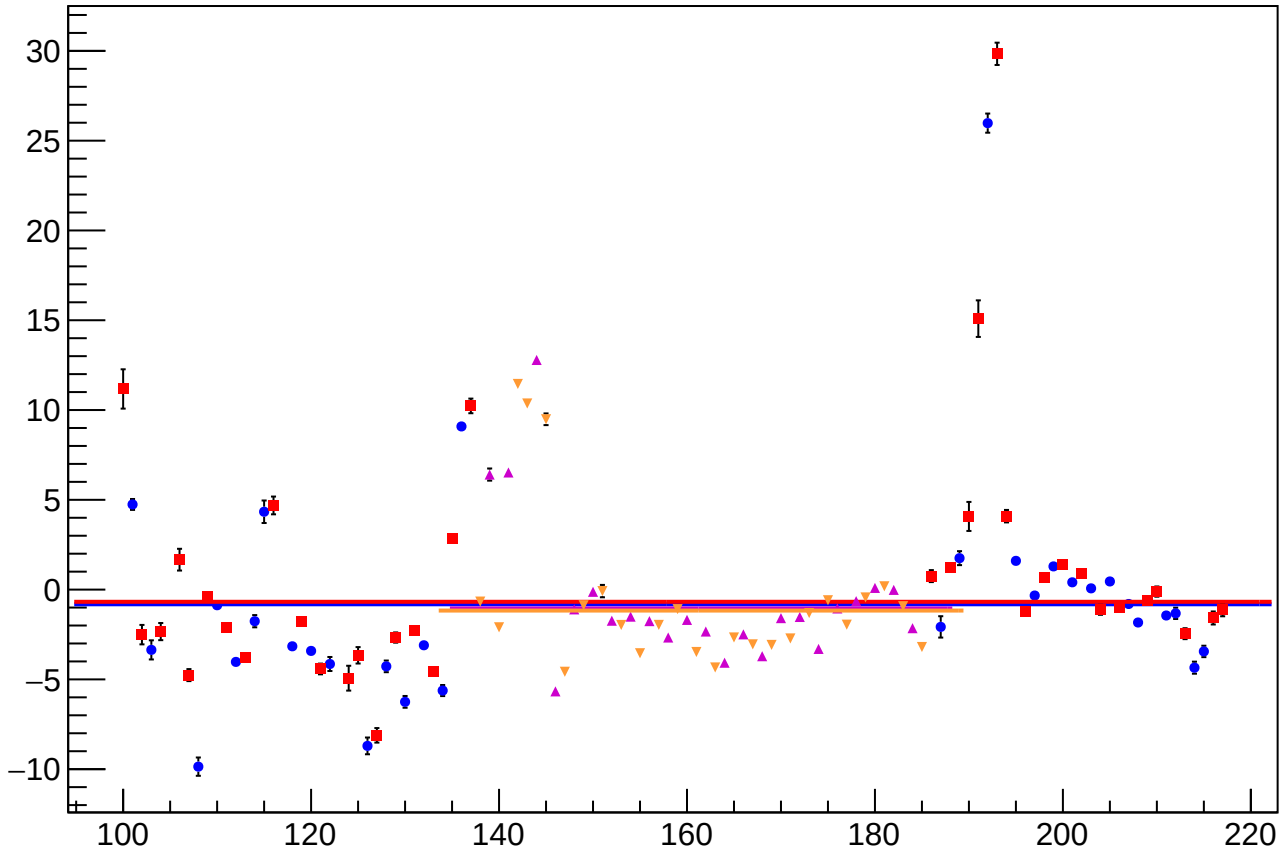
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -1.512+/-0.024 χ^2/NDF: 241639.3/66

In: -1.187+/-0.027 χ^2/NDF:249498.4/53

Out: -1.784+/-0.026 χ^2/NDF:292509.1/60

All: -1.496+/-0.018 χ^2/NDF: 542269.6/114



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: -0.678+/-0.048 χ^2/NDF: 5813.0/35

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

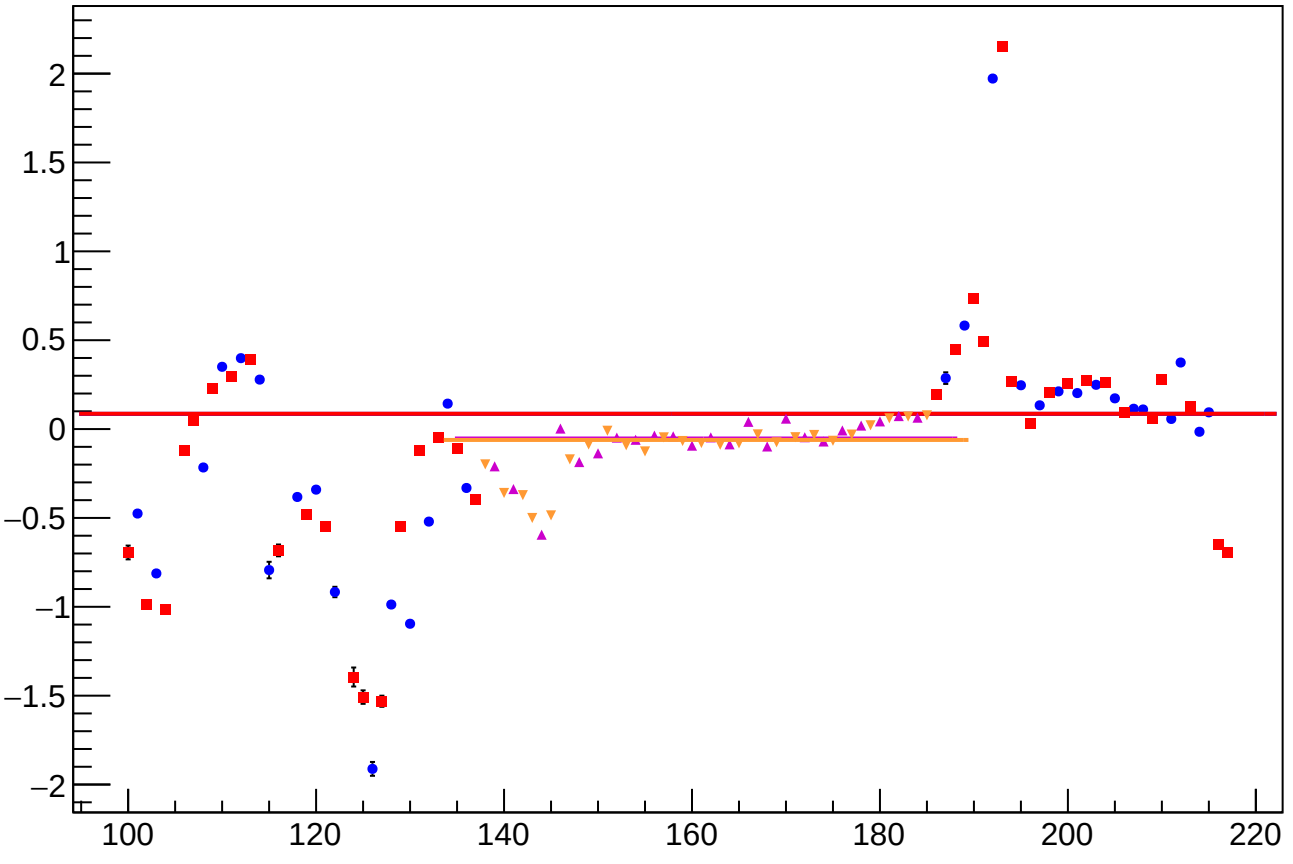
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.744+/-0.035 χ^2/NDF: 13479.7/66

In: -0.974+/-0.029 χ^2/NDF:14717.6/53

Out: -0.991+/-0.029 χ^2/NDF:12880.2/60

All: -0.983+/-0.020 χ^2/NDF: 27598.0/114



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: 0.086+/-0.002 χ^2/NDF: 37837.6/35

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

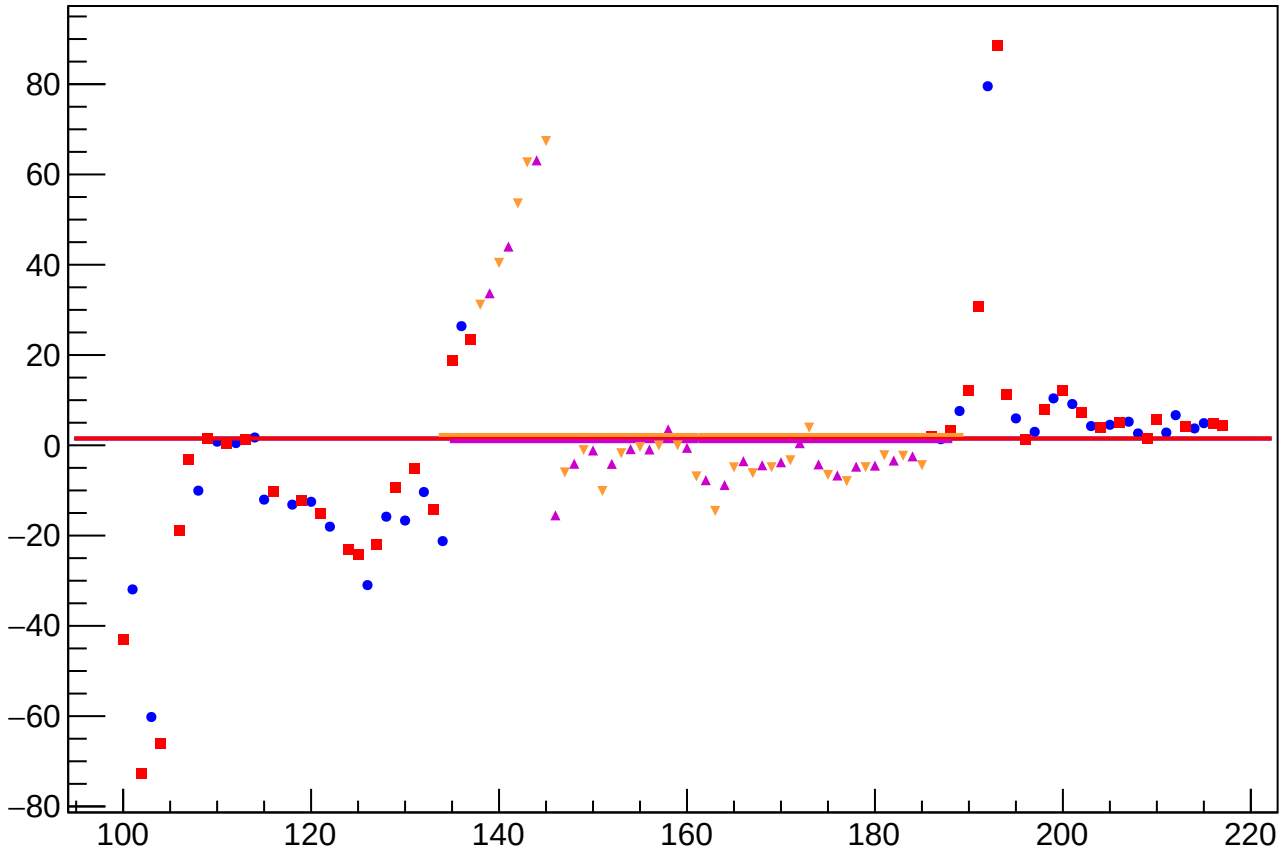
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.086+/-0.002 χ^2/NDF: 72565.9/66

In: -0.011+/-0.001 χ^2/NDF:42351.6/53

Out: -0.011+/-0.001 χ^2/NDF:46505.0/60

All: -0.011+/-0.001 χ^2/NDF: 88856.6/114



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: 1.503+/-0.032 χ^2/NDF: 123051.7/35

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

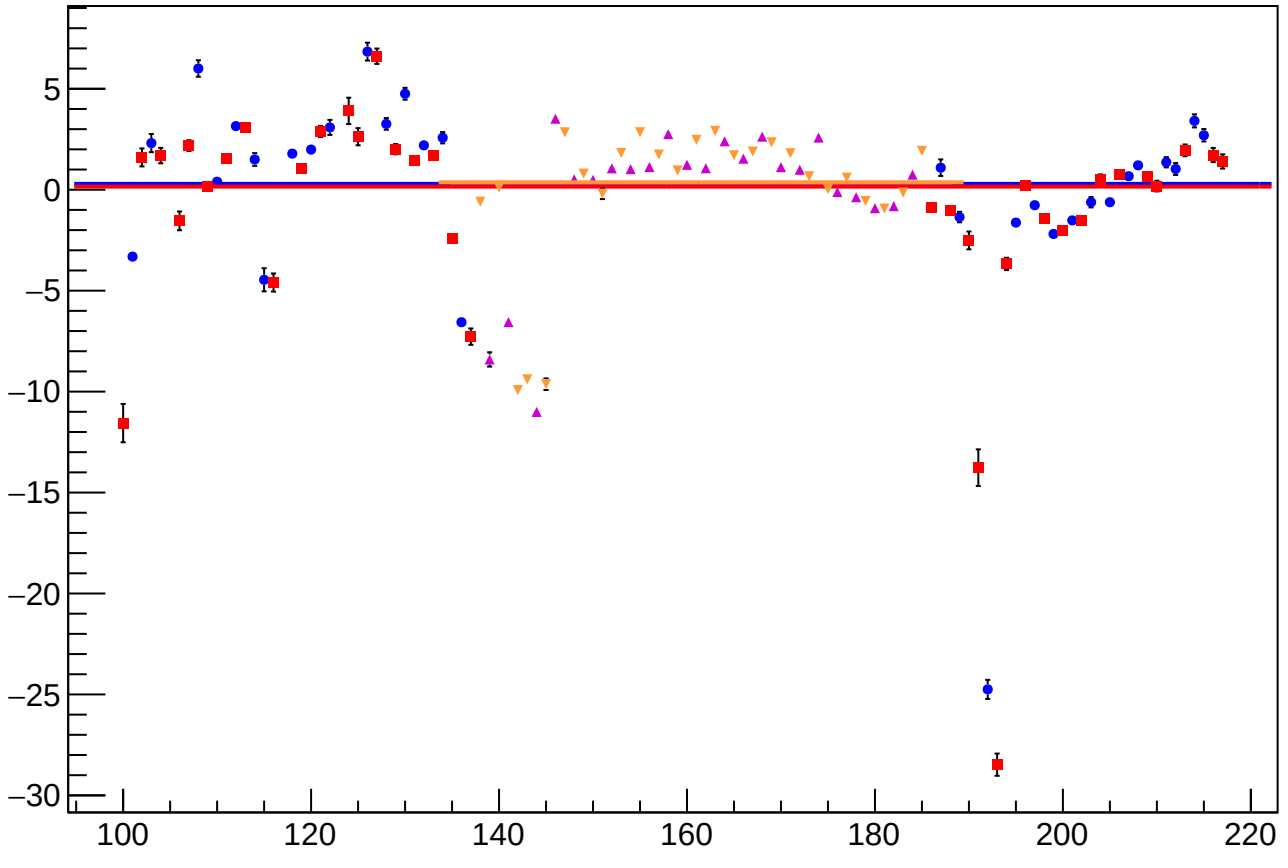
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 1.504+/-0.023 χ^2/NDF: 245124.7/66

In: 1.247+/-0.026 χ^2/NDF:254771.0/53

Out: 1.806+/-0.025 χ^2/NDF:300476.7/60

All: 1.542+/-0.018 χ^2/NDF: 555485.6/114



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: 0.154+/-0.042 χ^2/NDF: 5329.5/35

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

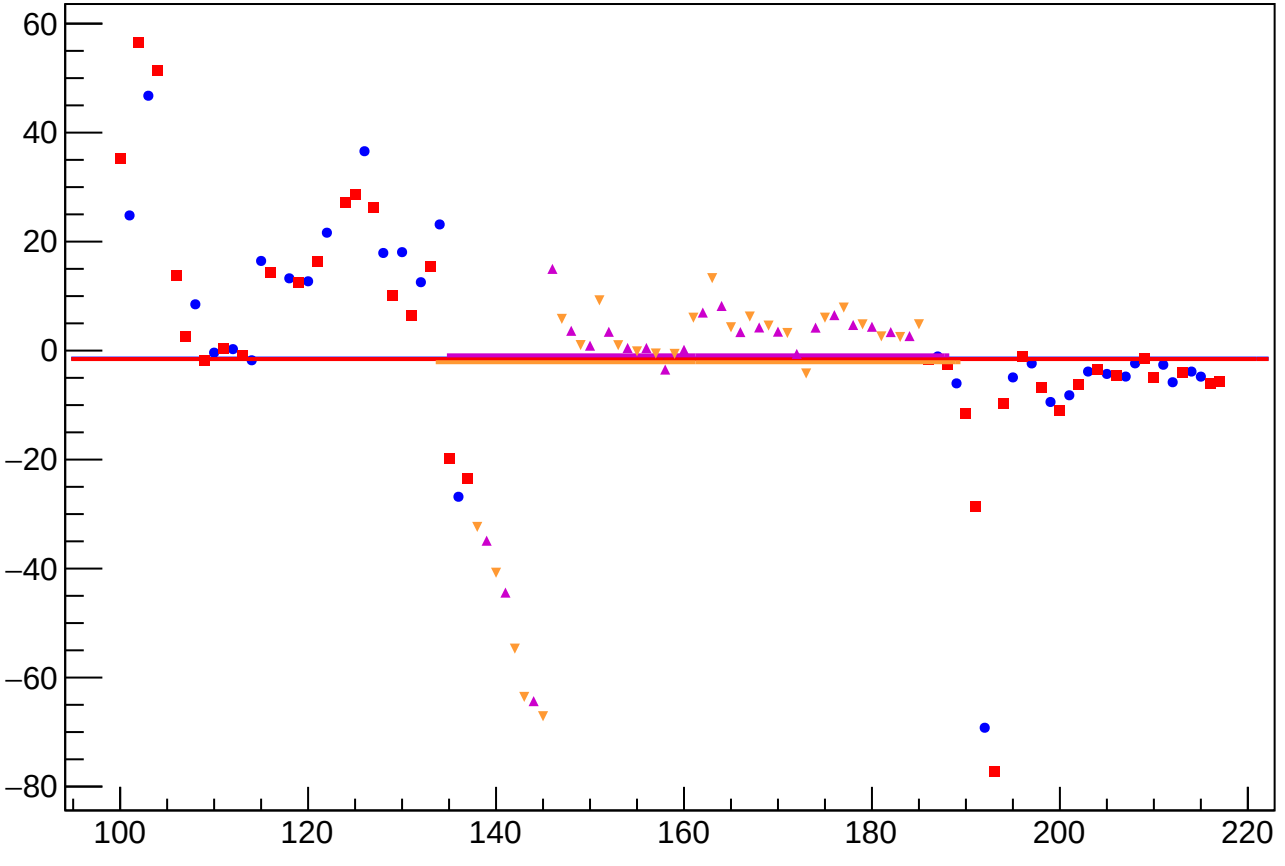
Right: 0.219+/-0.031 χ^2/NDF: 11499.4/66

In: 0.321+/-0.026 χ^2/NDF:13260.0/53

Out: 0.287+/-0.026 χ^2/NDF:12413.4/60

All: 0.304+/-0.018 χ^2/NDF: 25674.3/114

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: -1.553+/-0.034 χ^2/NDF: 121368.8/35

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

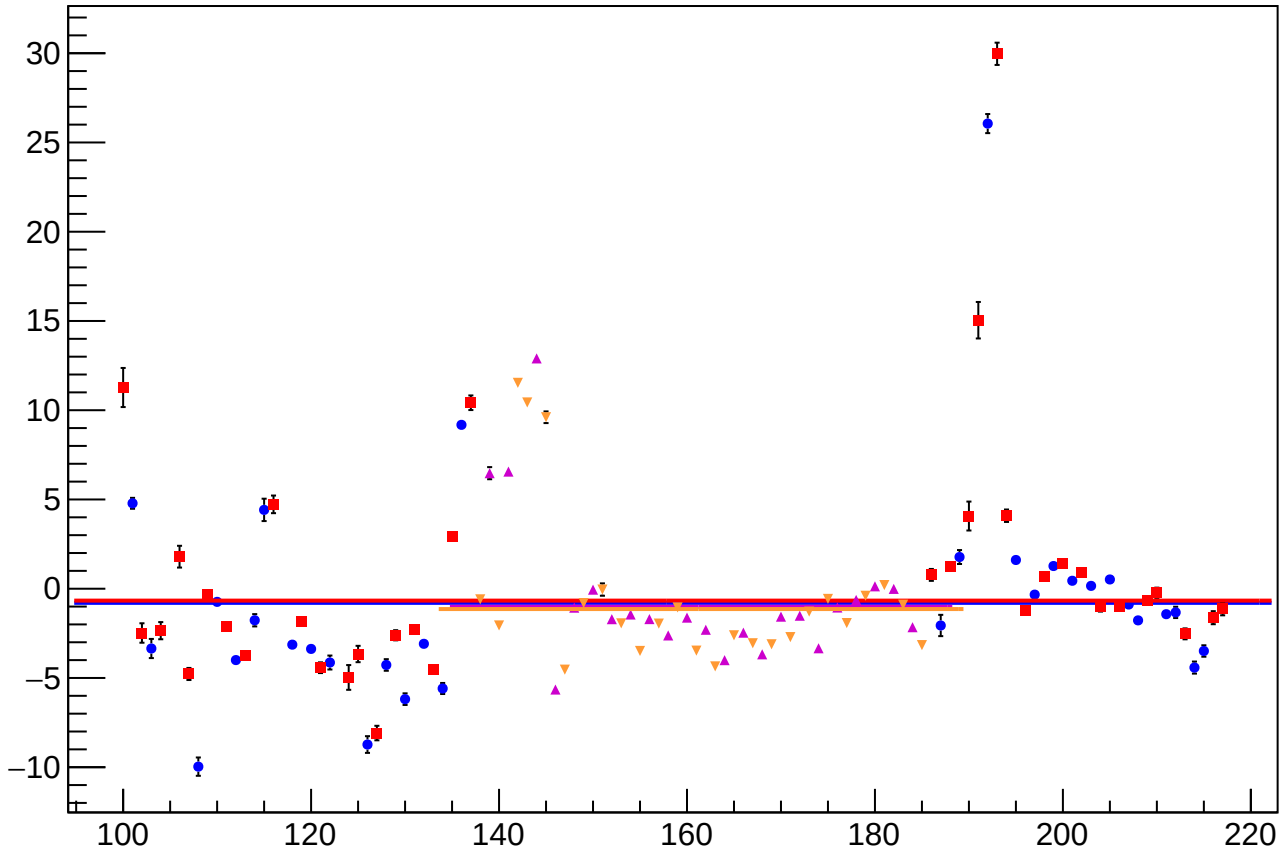
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.513+/-0.025 χ^2/NDF: 241697.4/66

In: -1.193+/-0.027 χ^2/NDF:249712.3/53

Out: -1.791+/-0.026 χ^2/NDF:292957.9/60

All: -1.502+/-0.019 χ^2/NDF: 542929.4/114



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: -0.666+/-0.048 χ^2/NDF: 5820.3/35

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

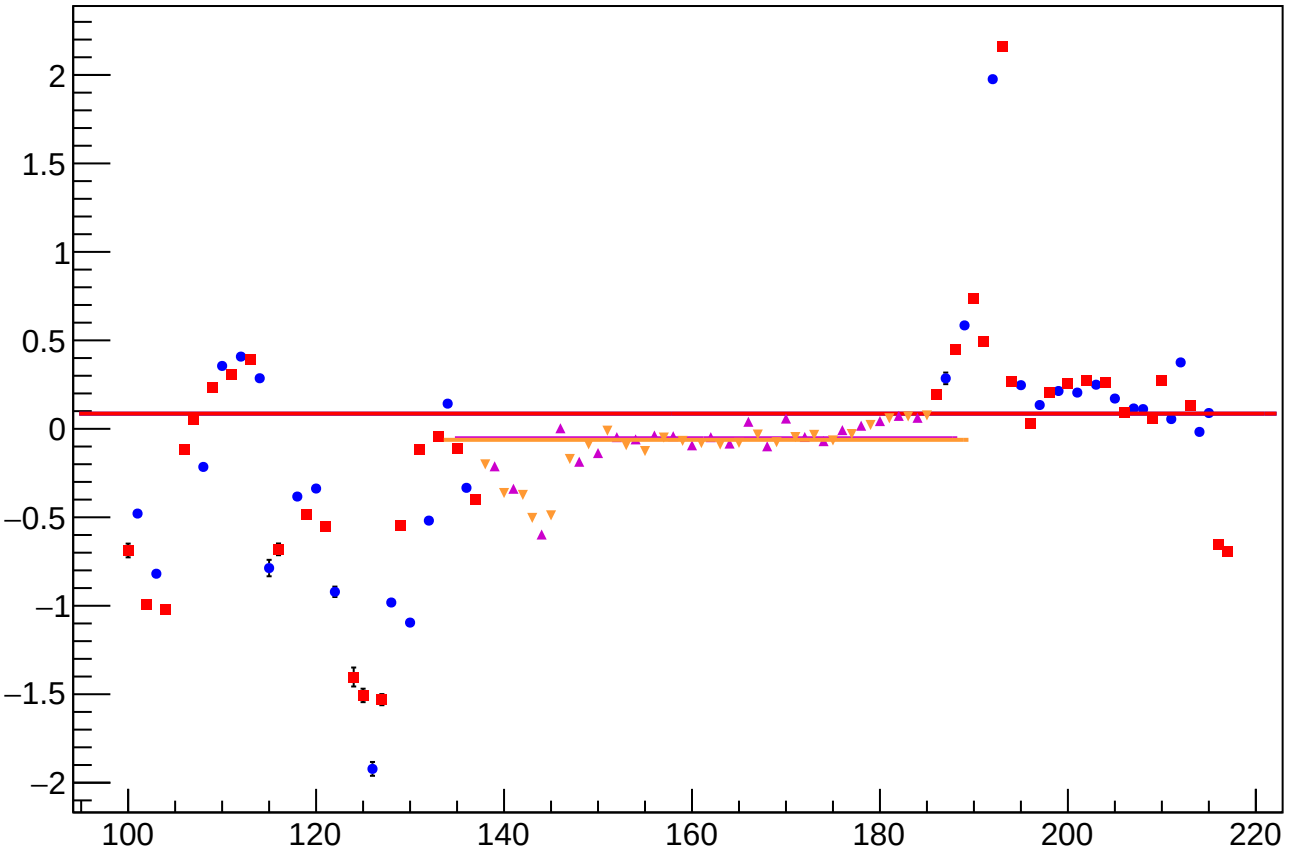
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.726+/-0.035 χ^2/NDF: 13488.4/66

In: -0.943+/-0.029 χ^2/NDF:14705.0/53

Out: -0.969+/-0.029 χ^2/NDF:12904.2/60

All: -0.956+/-0.020 χ^2/NDF: 27609.7/114



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: 0.086+/-0.002 χ^2/NDF: 37772.6/35

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

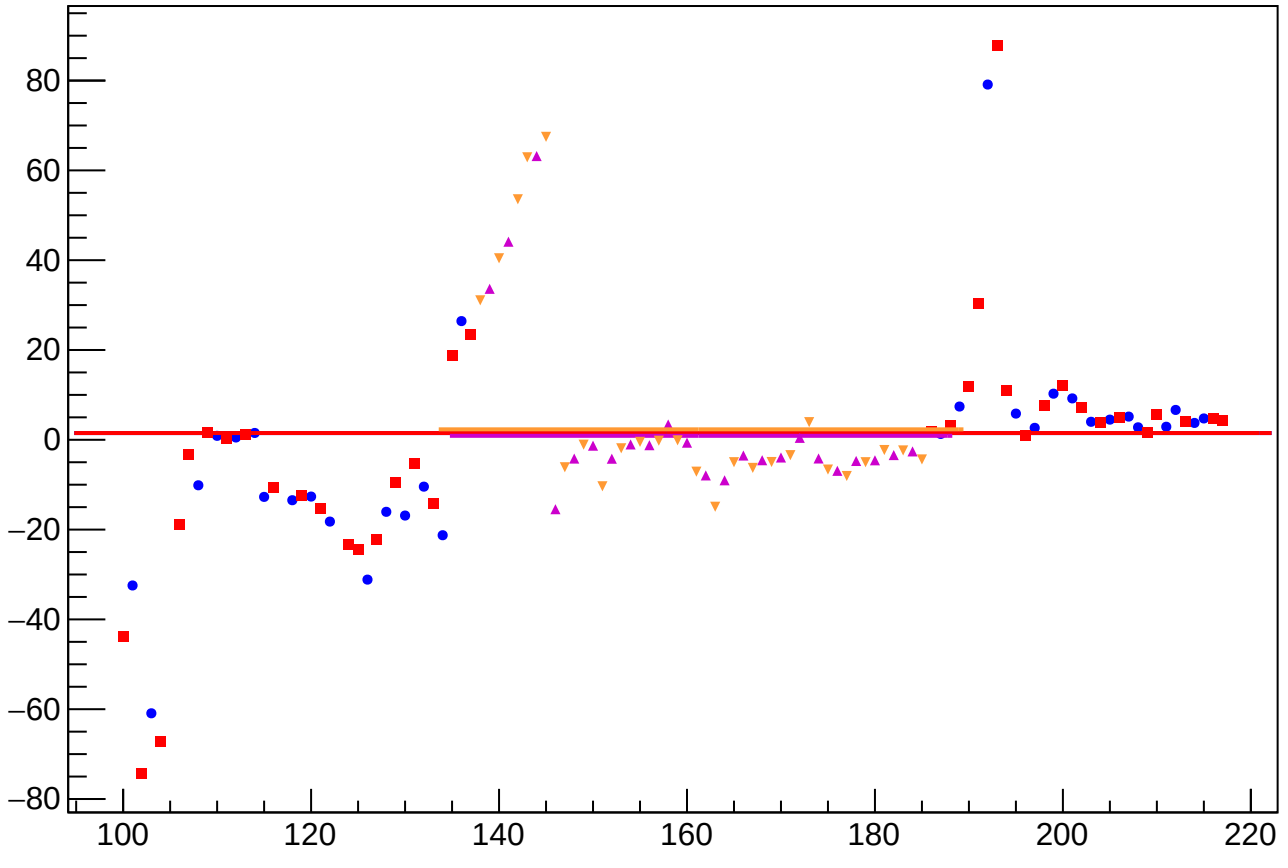
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.086+/-0.002 χ^2/NDF: 72492.9/66

In: -0.011+/-0.001 χ^2/NDF:42310.8/53

Out: -0.012+/-0.001 χ^2/NDF:46447.9/60

All: -0.012+/-0.001 χ^2/NDF: 88758.9/114



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: 1.505+/-0.032 χ^2/NDF: 121400.2/35

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

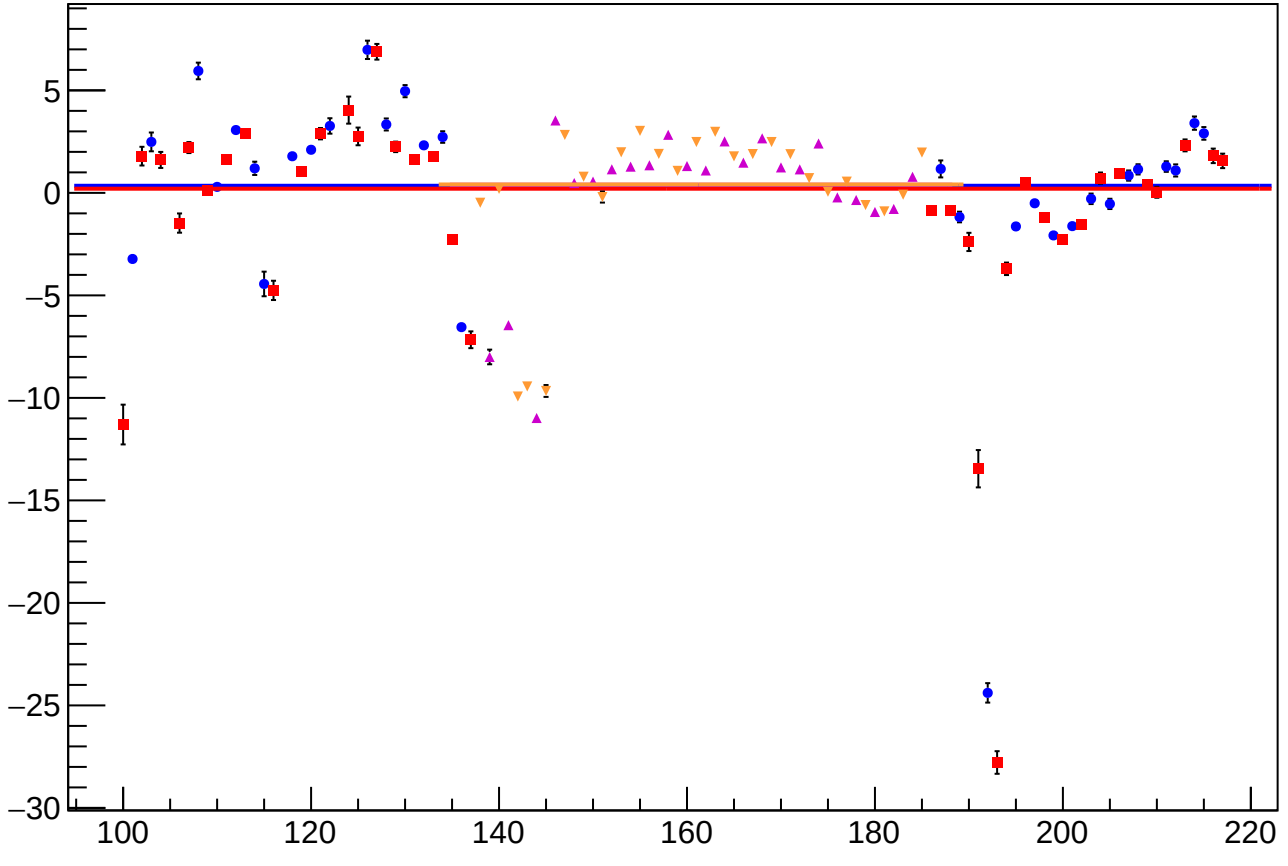
Right: 1.502+/-0.024 χ^2/NDF: 241578.6/66

In: 1.235+/-0.027 χ^2/NDF:250723.8/53

Out: 1.817+/-0.025 χ^2/NDF:296297.6/60

All: 1.542+/-0.018 χ^2/NDF: 547271.5/114

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: 0.203+/-0.043 χ^2/NDF: 5152.0/35

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

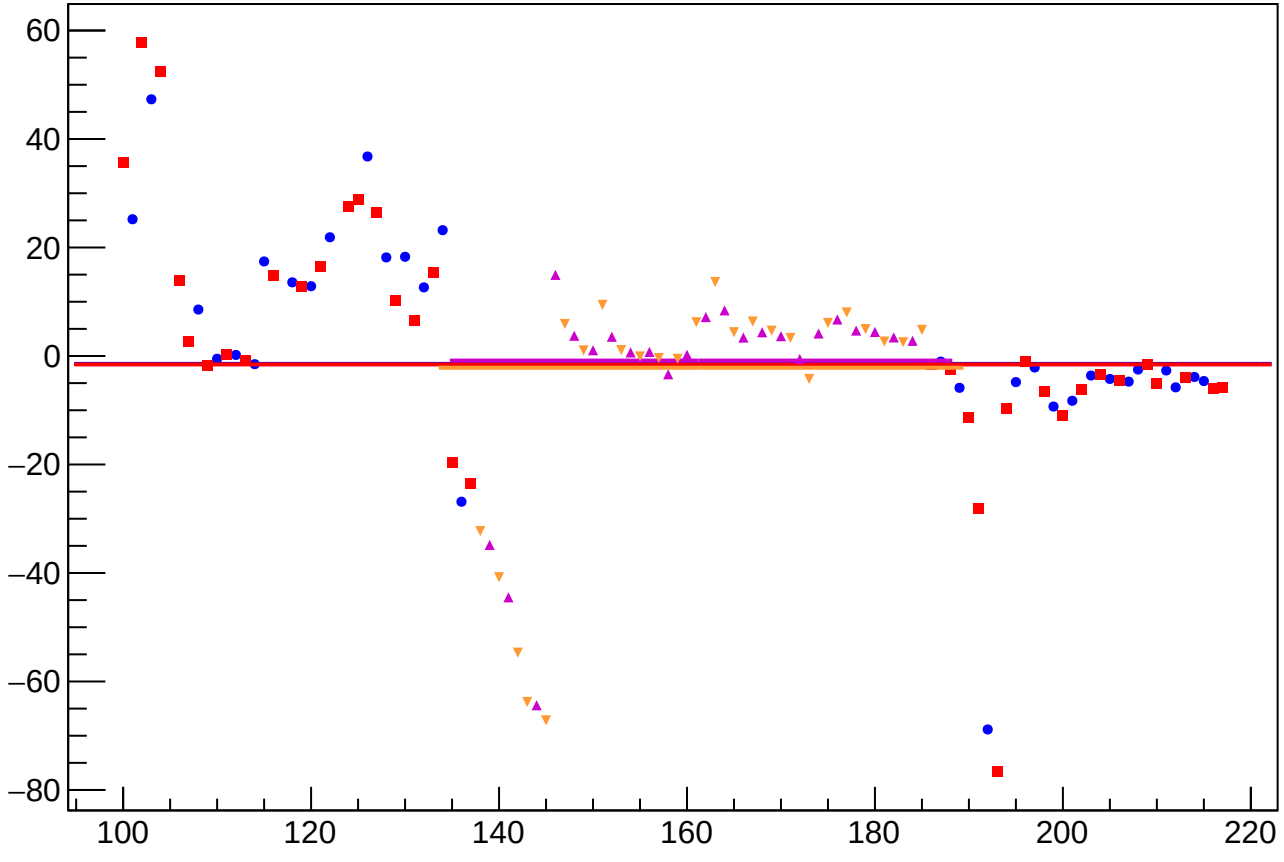
Right: 0.271+/-0.031 χ^2/NDF: 11158.7/66

In: 0.379+/-0.026 χ^2/NDF:12934.2/53

Out: 0.331+/-0.026 χ^2/NDF:12214.4/60

All: 0.355+/-0.019 χ^2/NDF: 25150.2/114

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -1.555+/-0.034 χ^2/NDF: 119724.3/35

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

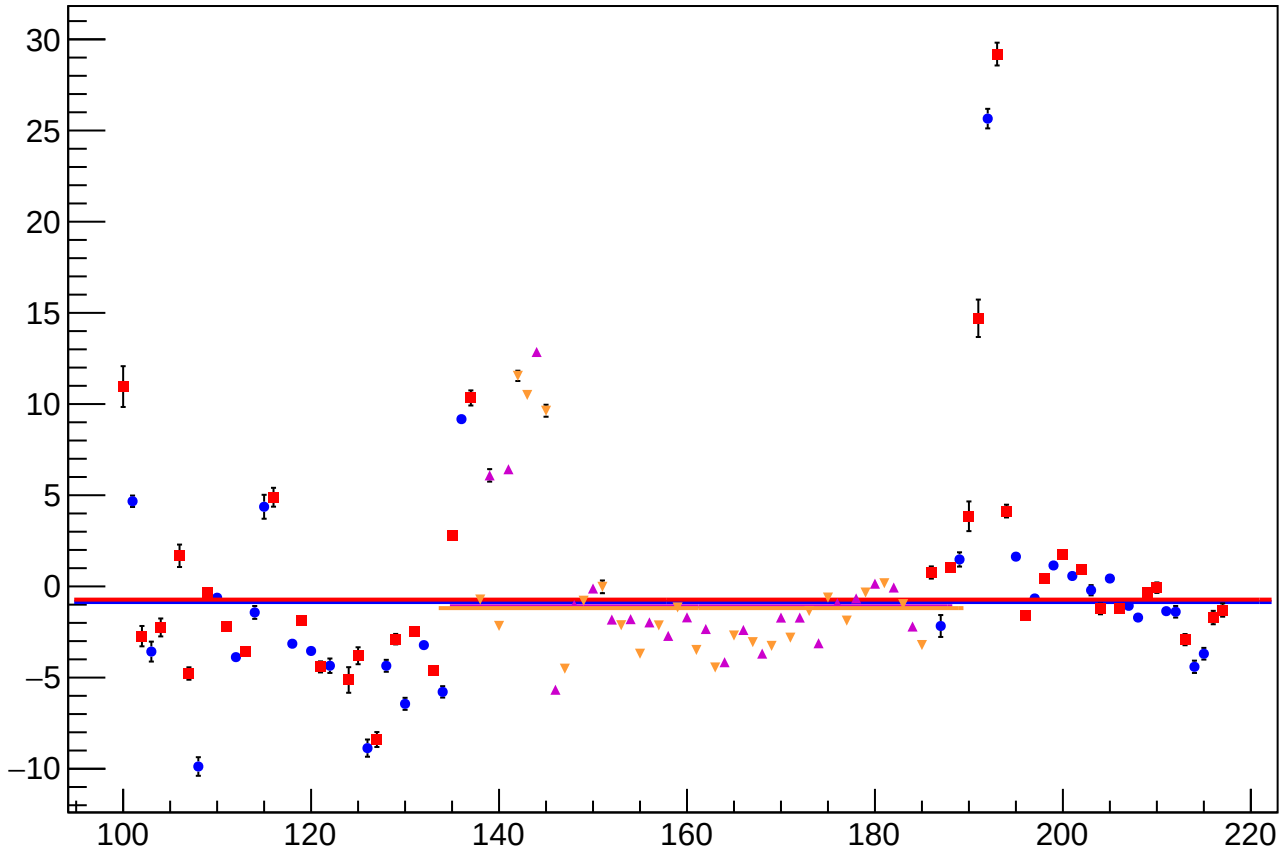
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.512+/-0.025 χ^2/NDF: 238203.3/66

In: -1.180+/-0.027 χ^2/NDF:245740.0/53

Out: -1.801+/-0.026 χ^2/NDF:288845.3/60

All: -1.502+/-0.019 χ^2/NDF: 534857.8/114



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: -0.724+/-0.049 χ^2/NDF: 5654.0/35

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

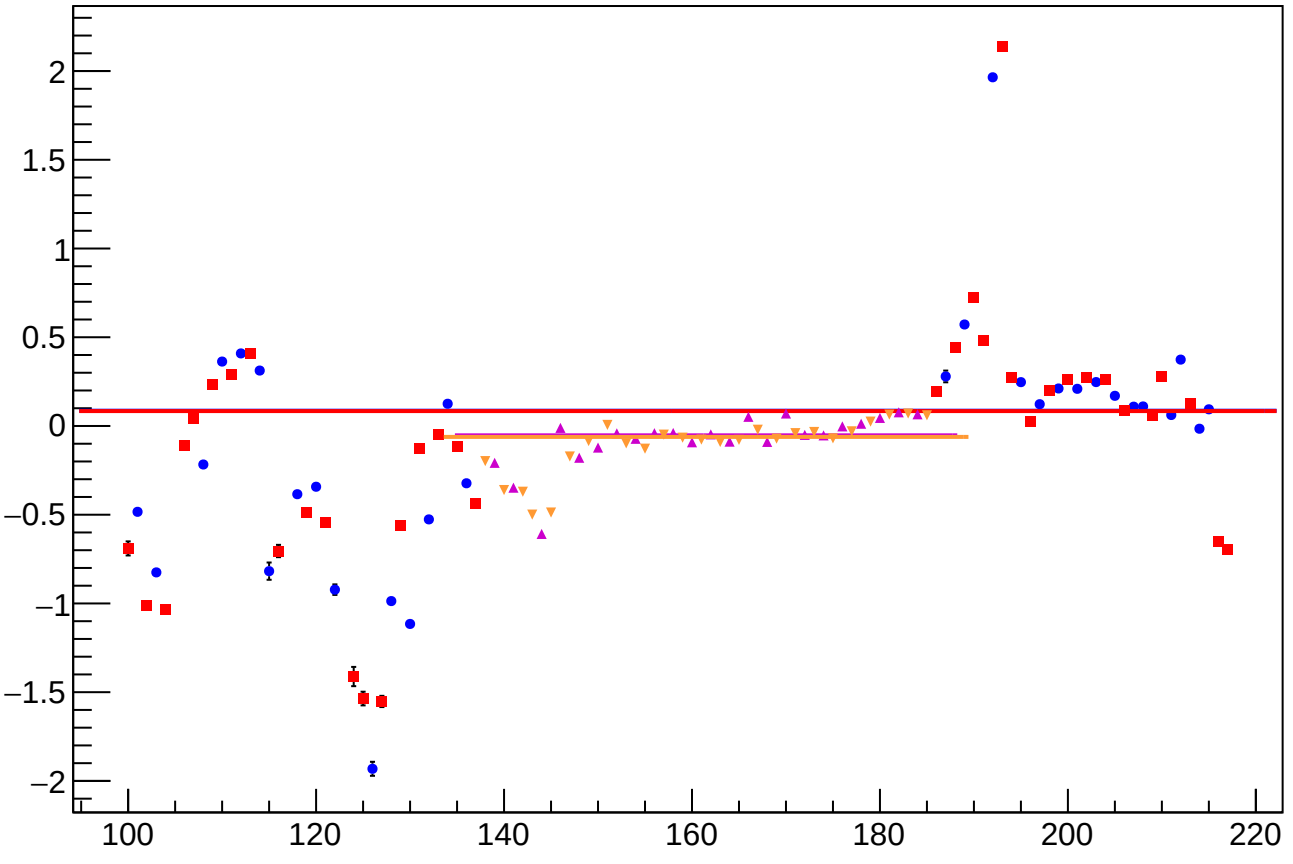
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.788+/-0.036 χ^2/NDF: 13157.0/66

In: -1.014+/-0.029 χ^2/NDF:14354.0/53

Out: -1.022+/-0.030 χ^2/NDF:12707.4/60

All: -1.018+/-0.021 χ^2/NDF: 27061.4/114



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: 0.084+/-0.002 χ^2/NDF: 37293.2/35

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

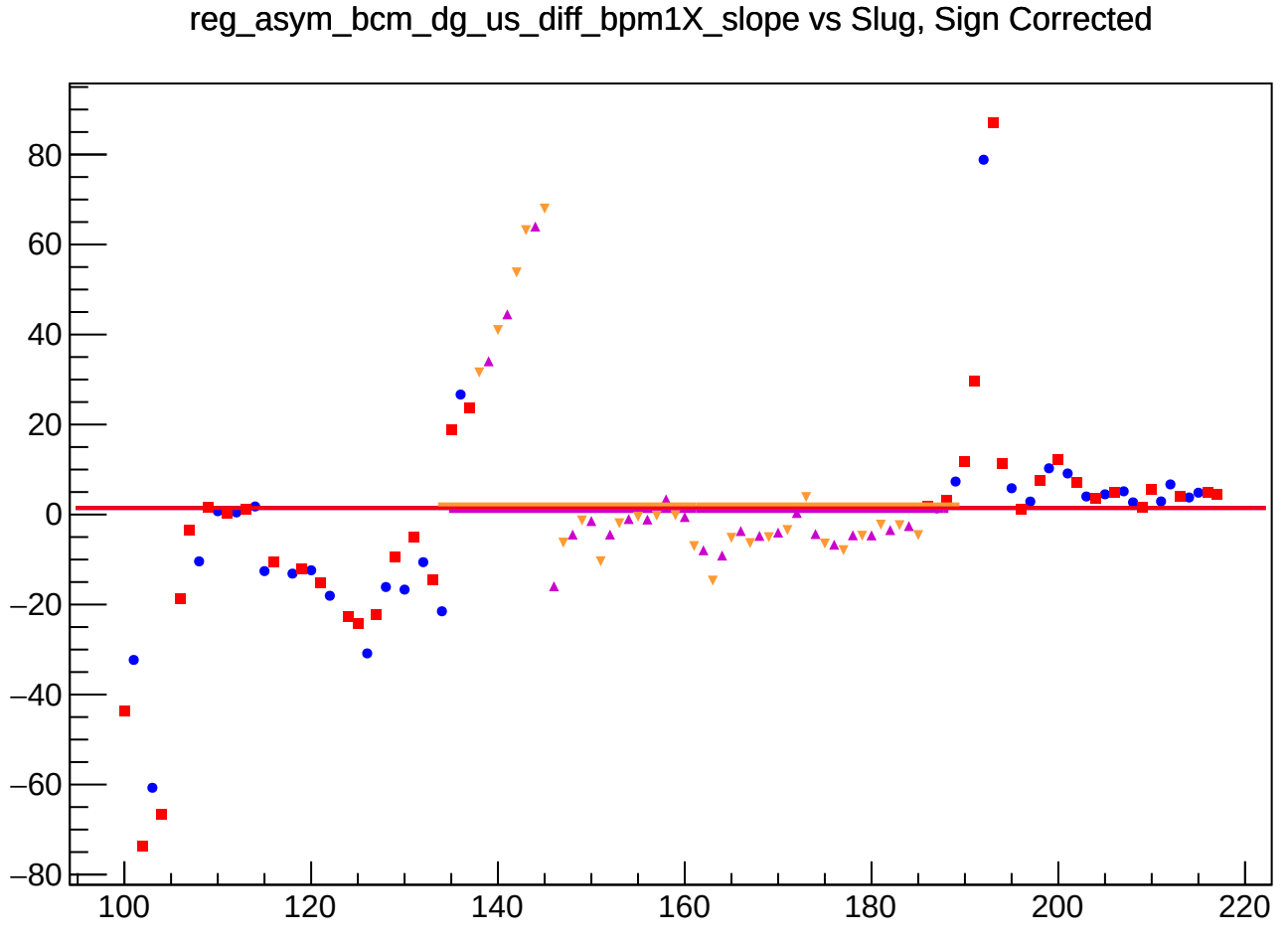
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.085+/-0.002 χ^2/NDF: 71273.7/66

In: -0.010+/-0.001 χ^2/NDF:41544.1/53

Out: -0.012+/-0.001 χ^2/NDF:45620.7/60

All: -0.011+/-0.001 χ^2/NDF: 87165.6/114



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: 1.460+/-0.033 χ^2/NDF: 119291.3/35

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

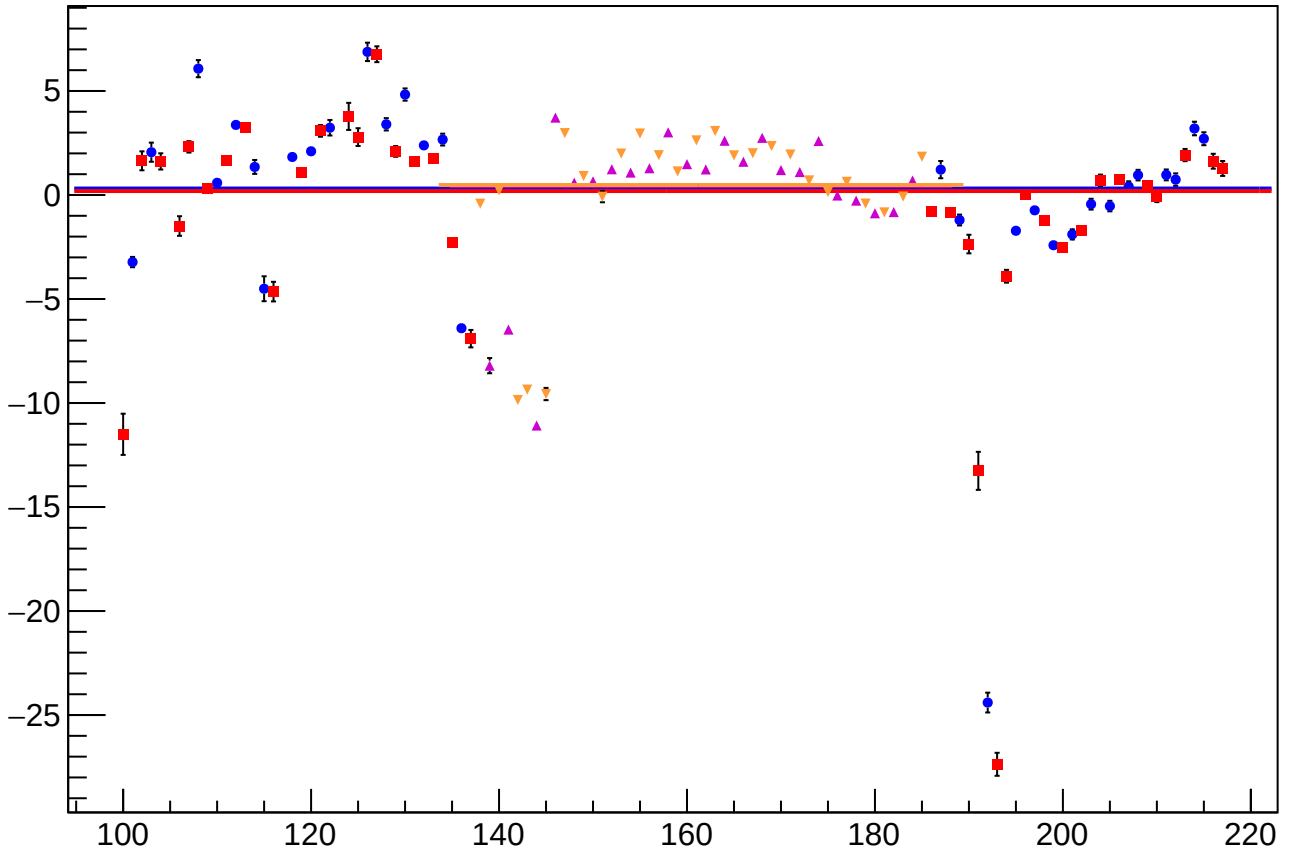
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.455+/-0.024 χ^2/NDF: 237849.3/66

In: 1.166+/-0.027 χ^2/NDF:247530.2/53

Out: 1.765+/-0.026 χ^2/NDF:291189.0/60

All: 1.480+/-0.019 χ^2/NDF: 538976.8/114



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: 0.190+/-0.043 χ^2/NDF: 5038.4/35

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

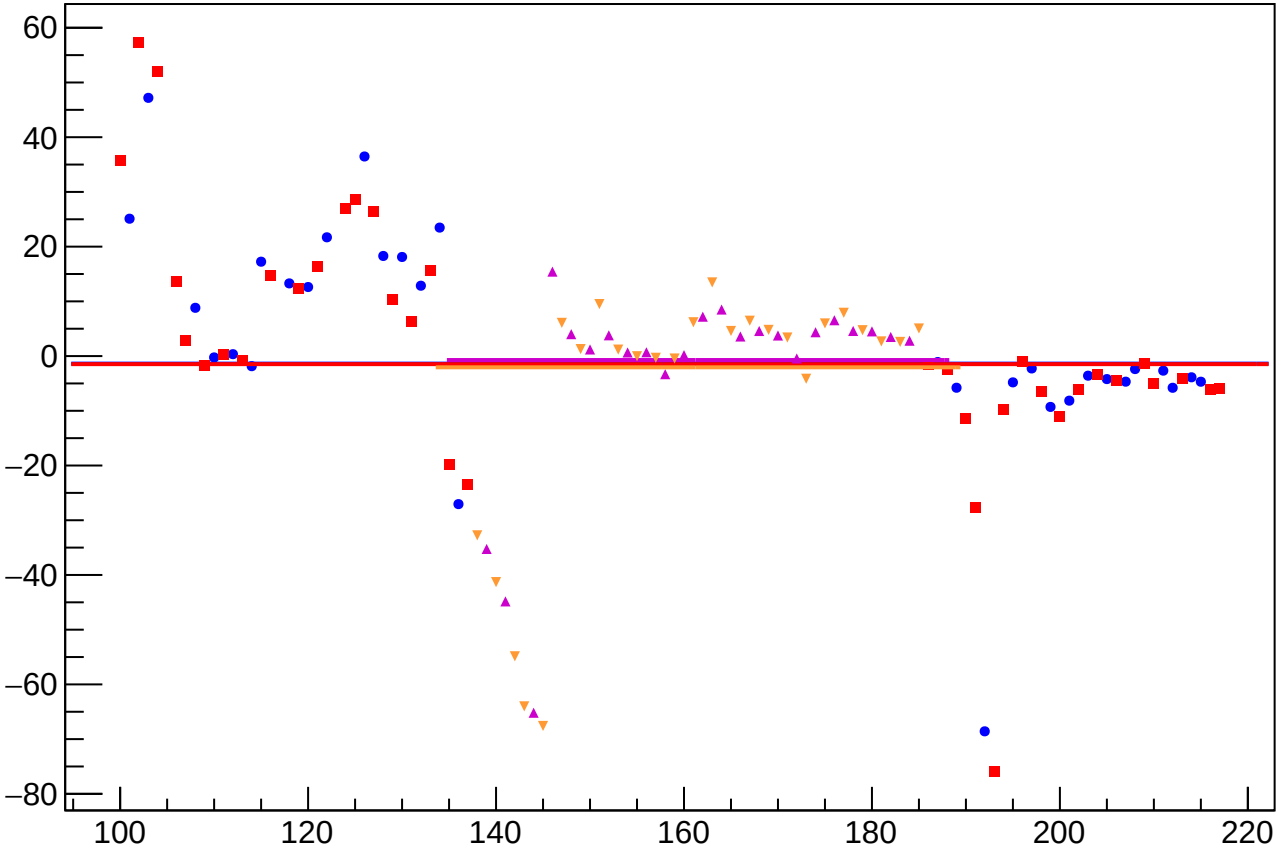
Right: 0.247+/-0.031 χ^2/NDF: 10987.3/66

In: 0.396+/-0.026 χ^2/NDF:12844.4/53

Out: 0.369+/-0.027 χ^2/NDF:11874.3/60

All: 0.382+/-0.019 χ^2/NDF: 24719.2/114

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -1.472+/-0.034 χ^2/NDF: 117650.9/35

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

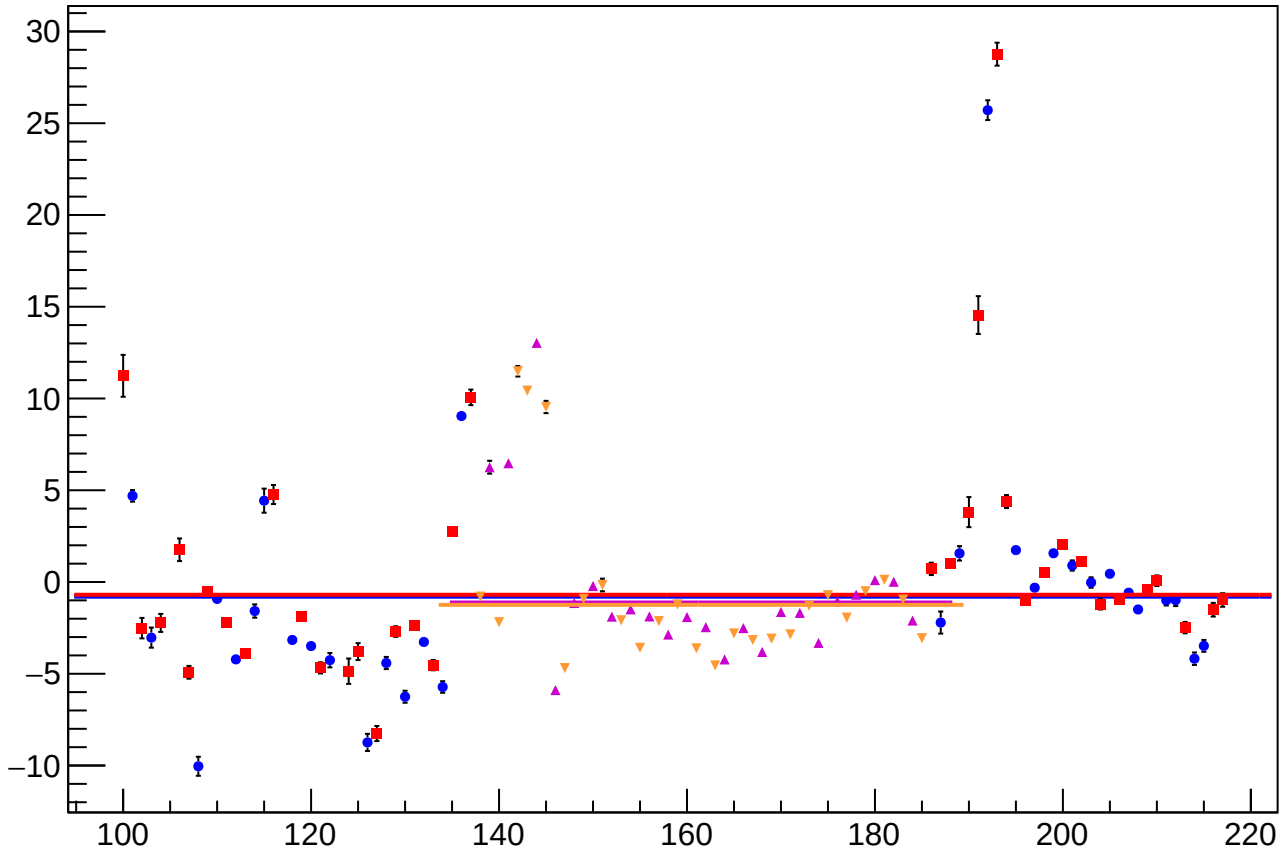
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -1.430+/-0.025 χ^2/NDF: 234469.9/66

In: -1.080+/-0.027 χ^2/NDF:242491.4/53

Out: -1.708+/-0.026 χ^2/NDF:283776.3/60

All: -1.404+/-0.019 χ^2/NDF: 526539.6/114



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: -0.695+/-0.050 χ^2/NDF: 5503.0/35

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

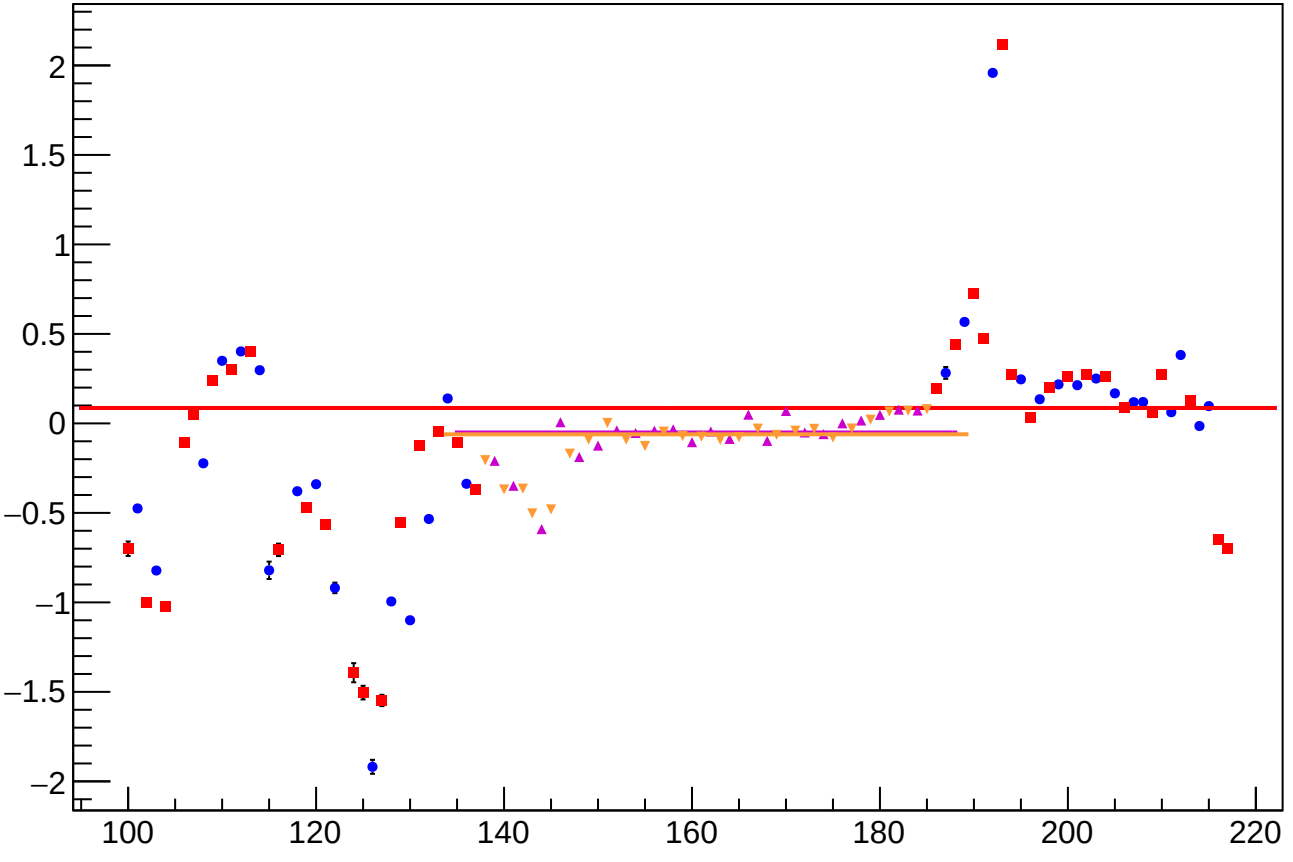
Right: -0.745+/-0.036 χ^2/NDF: 12864.2/66

In: -1.014+/-0.030 χ^2/NDF:14224.5/53

Out: -1.047+/-0.030 χ^2/NDF:12349.5/60

All: -1.031+/-0.021 χ^2/NDF: 26574.7/114

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: 0.086+/-0.002 χ^2/NDF: 36311.8/35

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

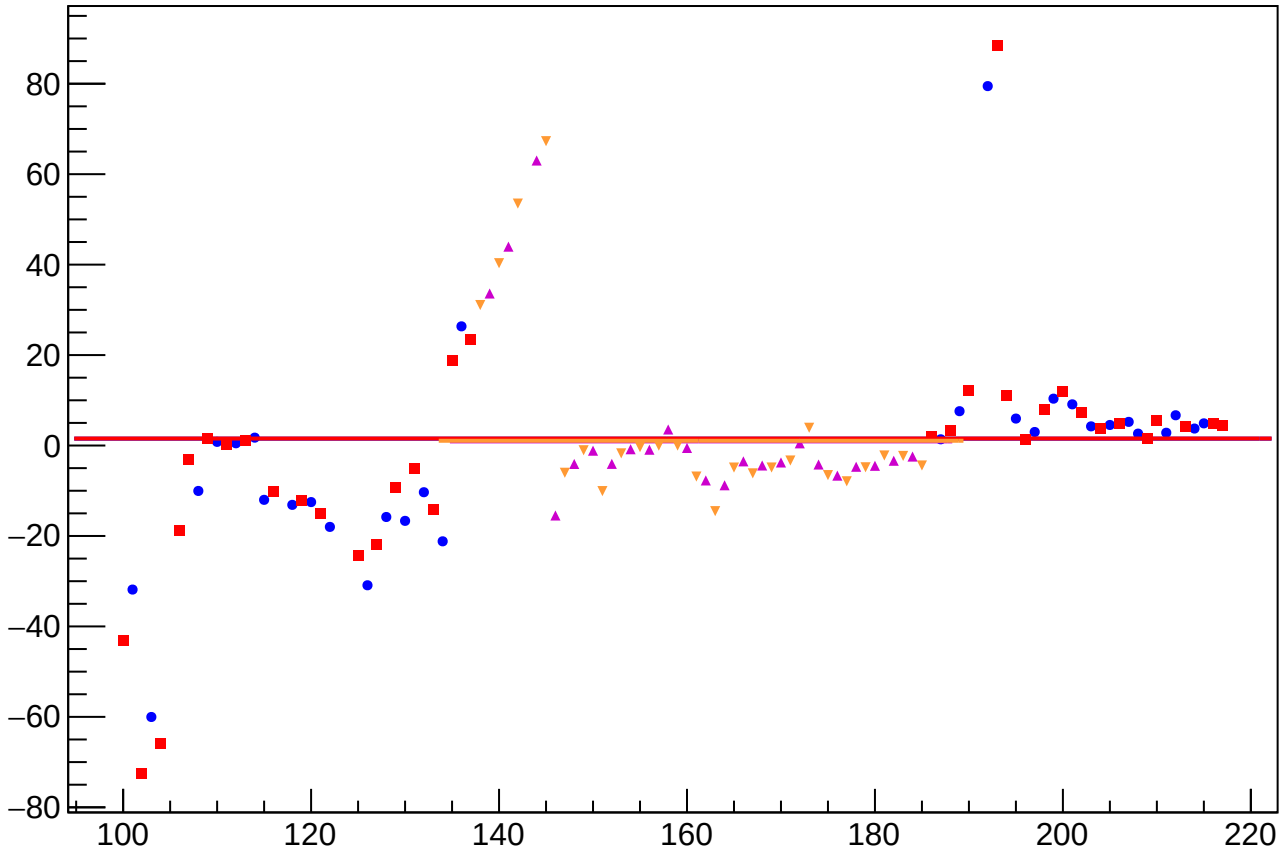
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.086+/-0.002 χ^2/NDF: 69972.7/66

In: -0.009+/-0.001 χ^2/NDF:40940.4/53

Out: -0.011+/-0.001 χ^2/NDF:44543.0/60

All: -0.010+/-0.001 χ^2/NDF: 85484.8/114



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: 1.547+/-0.032 χ^2/NDF: 120328.8/33

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

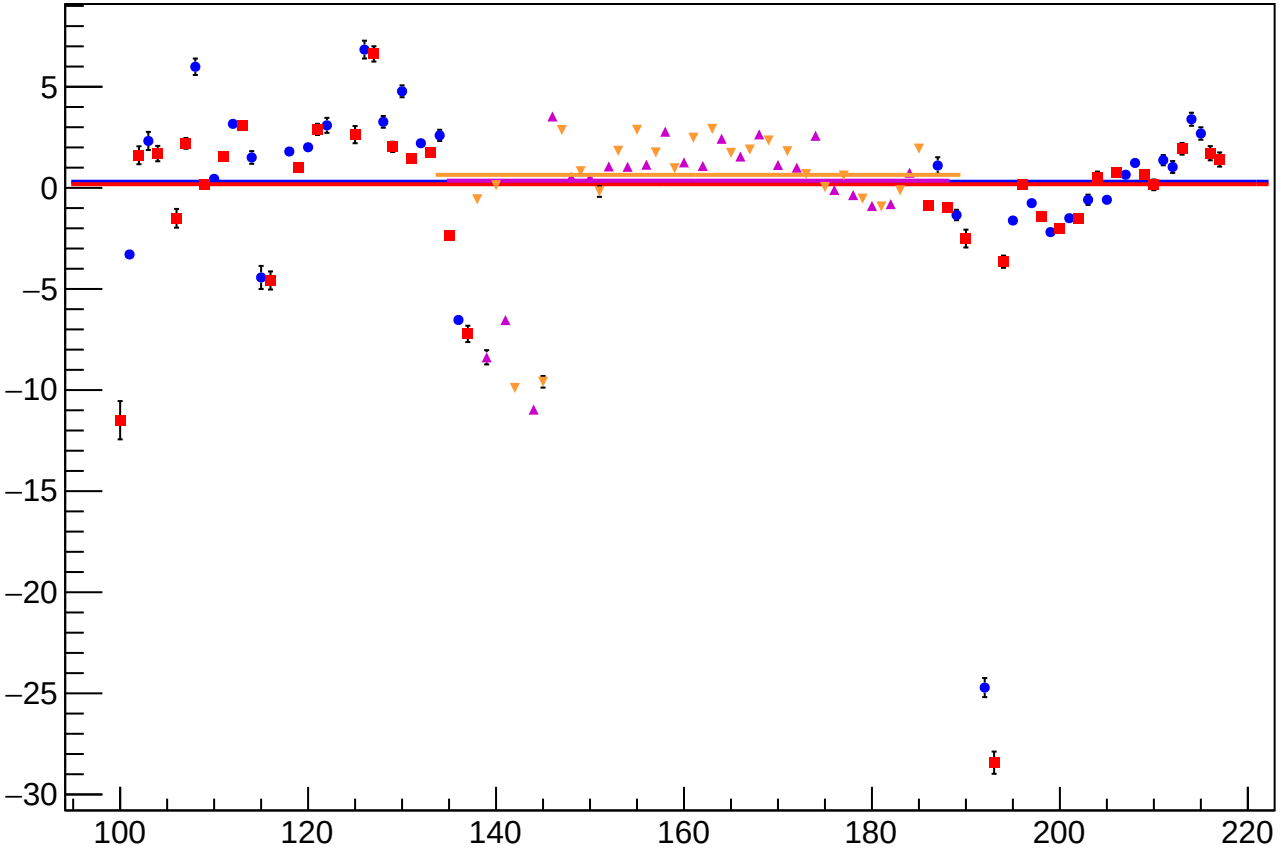
Right: 1.533+/-0.023 χ^2/NDF: 242617.2/64

In: 1.254+/-0.026 χ^2/NDF:255225.9/53

Out: 1.361+/-0.025 χ^2/NDF:251451.9/57

All: 1.310+/-0.018 χ^2/NDF: 506686.4/111

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: 0.180+/-0.042 χ^2/NDF: 5069.7/33

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

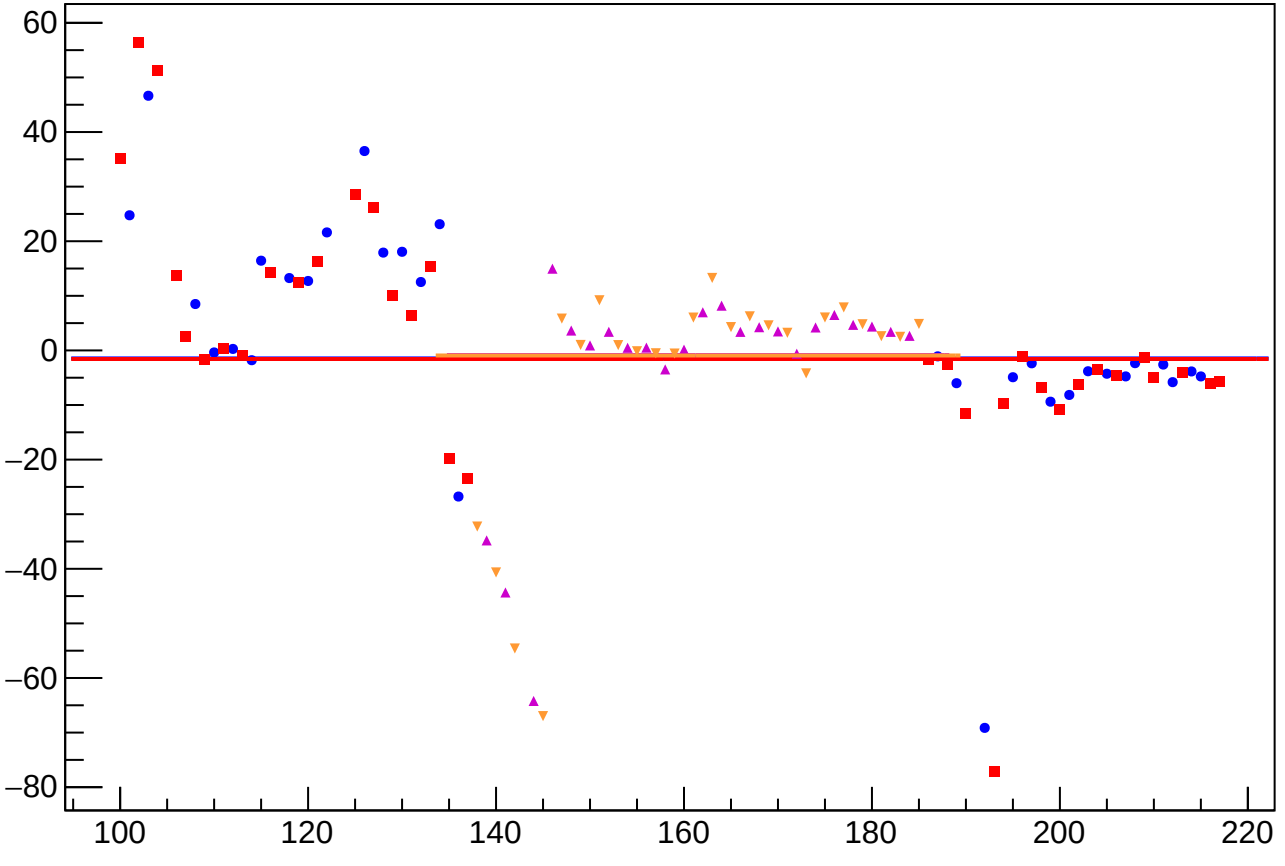
Right: 0.239+/-0.030 χ^2/NDF: 11252.6/64

In: 0.338+/-0.026 χ^2/NDF:13296.8/53

Out: 0.466+/-0.026 χ^2/NDF:9855.5/57

All: 0.401+/-0.018 χ^2/NDF: 23164.6/111

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: -1.572+/-0.033 χ^2/NDF: 118767.3/33

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

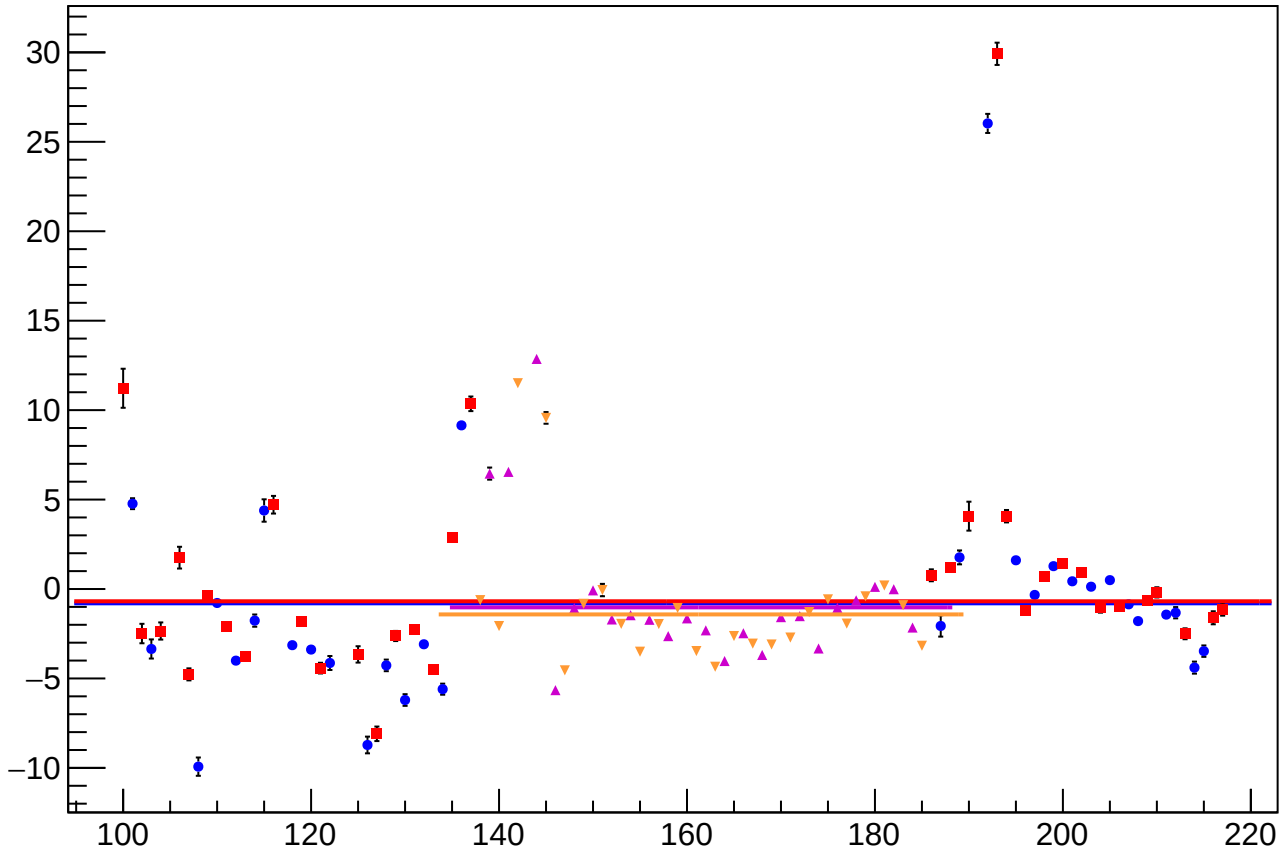
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -1.524+/-0.025 χ^2/NDF: 239302.1/64

In: -1.189+/-0.027 χ^2/NDF:250145.4/53

Out: -1.311+/-0.026 χ^2/NDF:245295.6/57

All: -1.252+/-0.019 χ^2/NDF: 495451.8/111



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: -0.685+/-0.048 χ^2/NDF: 5553.3/33

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

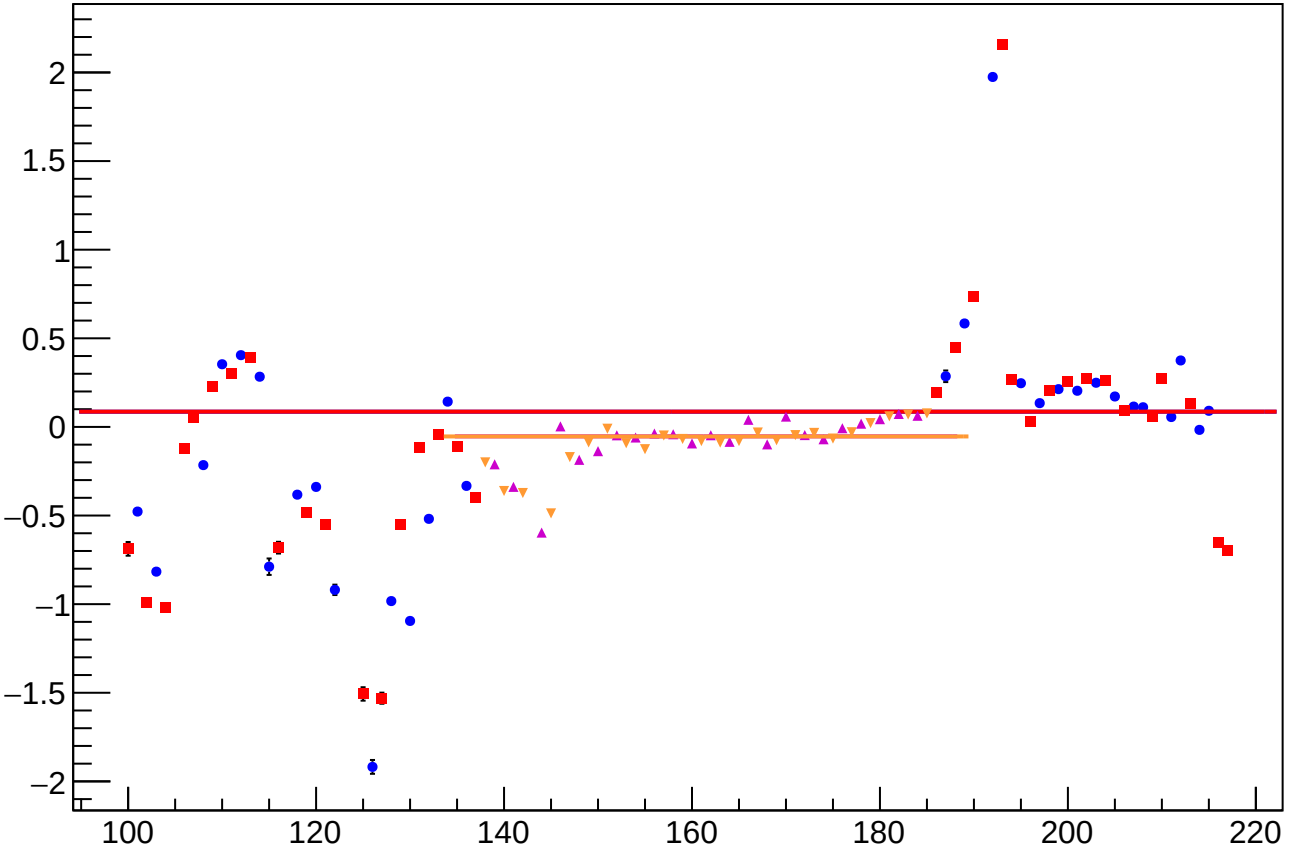
Right: -0.740+/-0.035 χ^2/NDF: 13236.1/64

In: -0.954+/-0.029 χ^2/NDF:14740.8/53

Out: -1.153+/-0.029 χ^2/NDF:10341.6/57

All: -1.051+/-0.020 χ^2/NDF: 25106.1/111

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: 0.086+/-0.002 χ^2/NDF: 36879.8/33

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

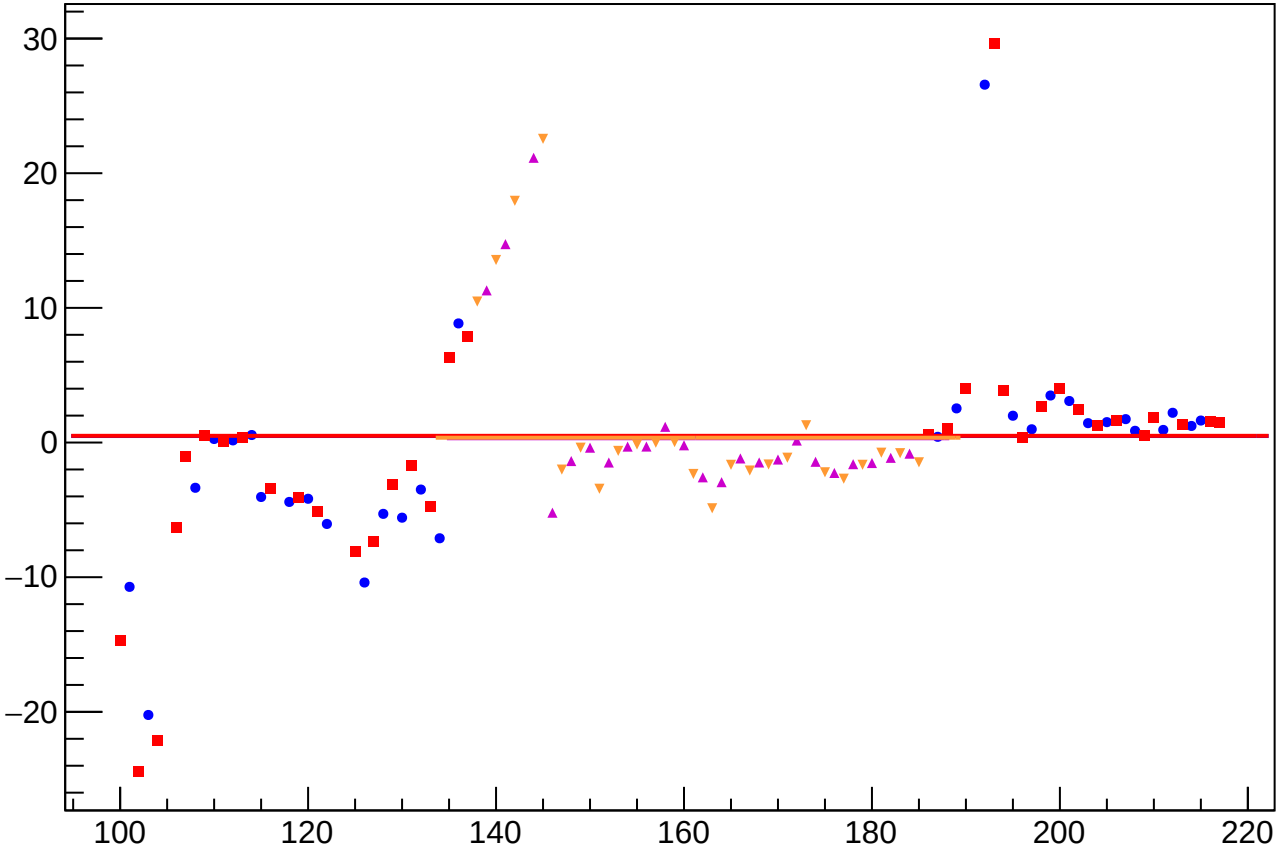
Right: 0.086+/-0.002 χ^2/NDF: 71662.9/64

In: -0.011+/-0.001 χ^2/NDF:42413.6/53

Out: -0.006+/-0.001 χ^2/NDF:43833.1/57

All: -0.009+/-0.001 χ^2/NDF: 86254.8/111

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: 0.498+/-0.011 χ^2/NDF: 118405.4/33

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

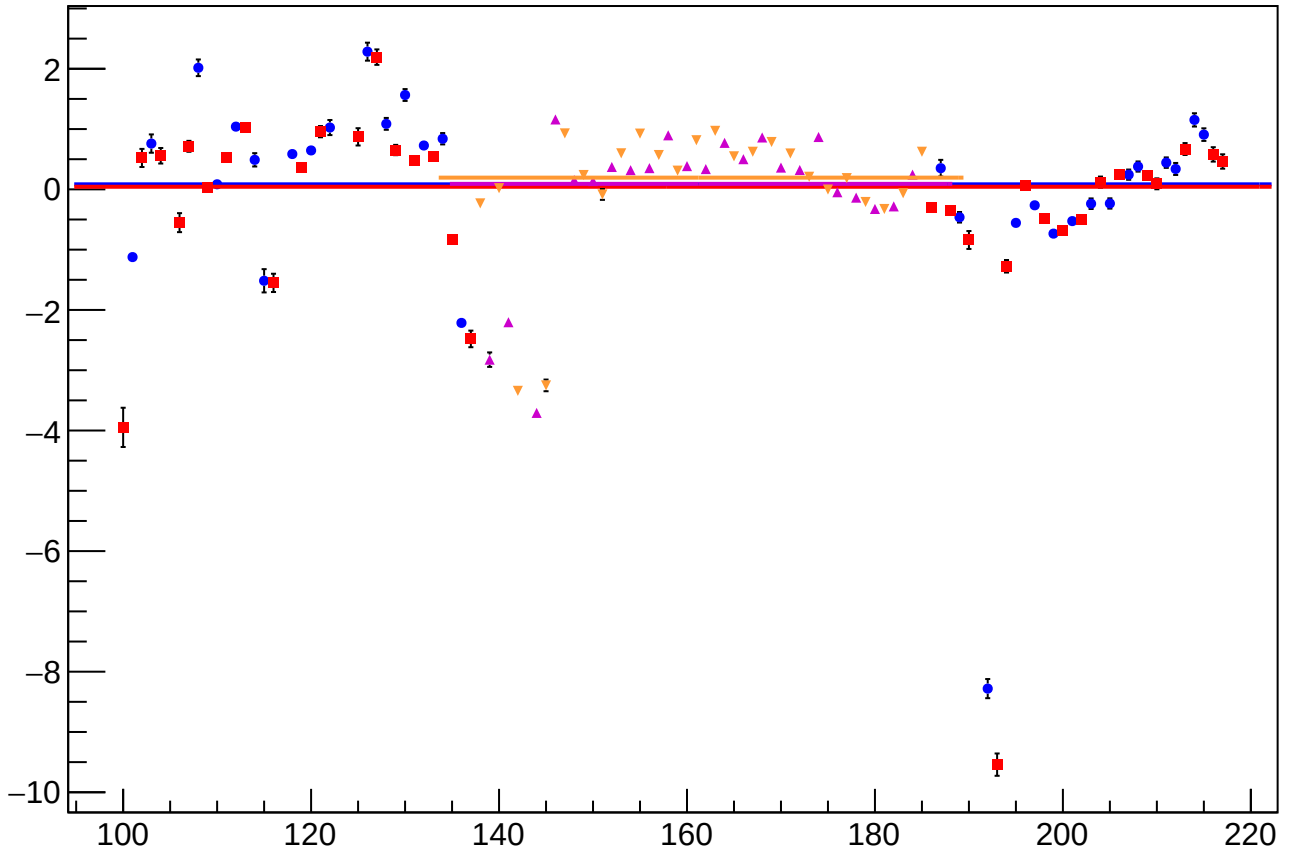
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.492+/-0.008 χ^2/NDF: 238574.7/64

In: 0.411+/-0.009 χ^2/NDF:250476.7/53

Out: 0.445+/-0.009 χ^2/NDF:247297.5/57

All: 0.429+/-0.006 χ^2/NDF: 497781.5/111



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: 0.043+/-0.014 χ^2/NDF: 4982.5/33

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

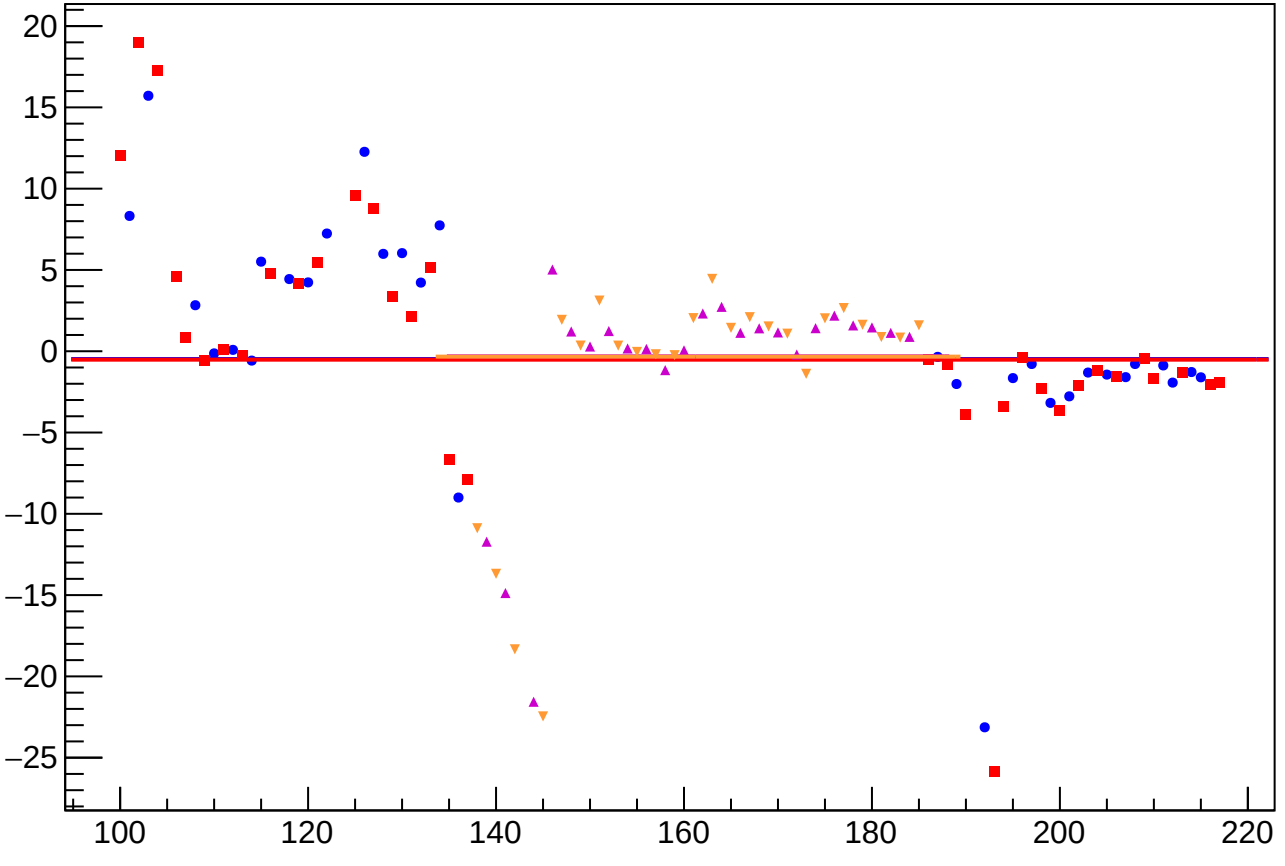
Right: 0.062+/-0.010 χ^2/NDF: 11042.5/64

In: 0.089+/-0.009 χ^2/NDF:12992.9/53

Out: 0.137+/-0.009 χ^2/NDF:9695.5/57

All: 0.112+/-0.006 χ^2/NDF: 22703.2/111

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: -0.517+/-0.011 χ^2/NDF: 116908.1/33

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

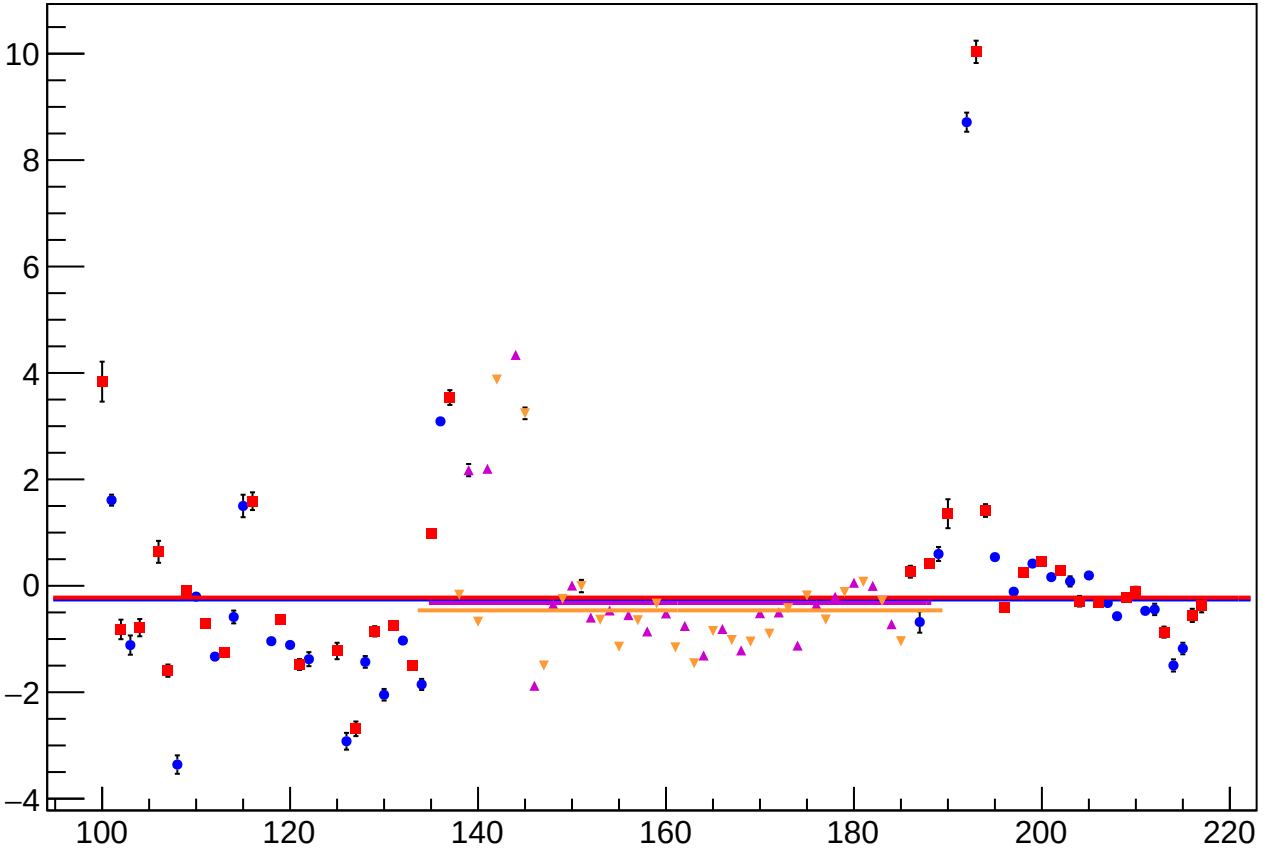
Right: -0.500+/-0.008 χ^2/NDF: 235382.4/64

In: -0.404+/-0.009 χ^2/NDF:245551.8/53

Out: -0.442+/-0.009 χ^2/NDF:241247.3/57

All: -0.424+/-0.006 χ^2/NDF: 486808.2/111

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: -0.221+/-0.017 χ^2/NDF: 5460.4/33

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

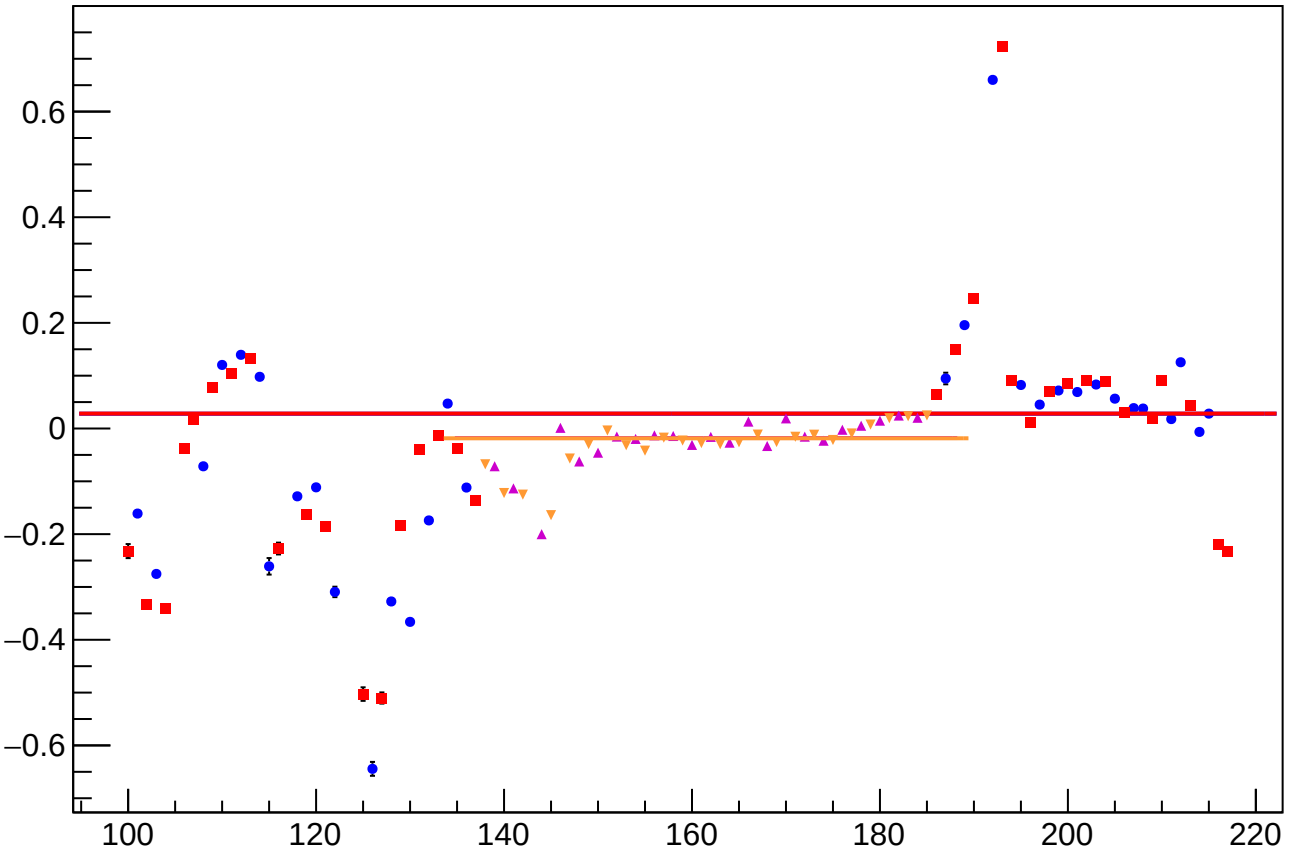
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.238+/-0.012 χ^2/NDF: 12991.5/64

In: -0.302+/-0.010 χ^2/NDF:14420.6/53

Out: -0.375+/-0.010 χ^2/NDF:10173.5/57

All: -0.338+/-0.007 χ^2/NDF: 24621.2/111



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: 0.028+/-0.001 χ^2/NDF: 36153.5/33

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

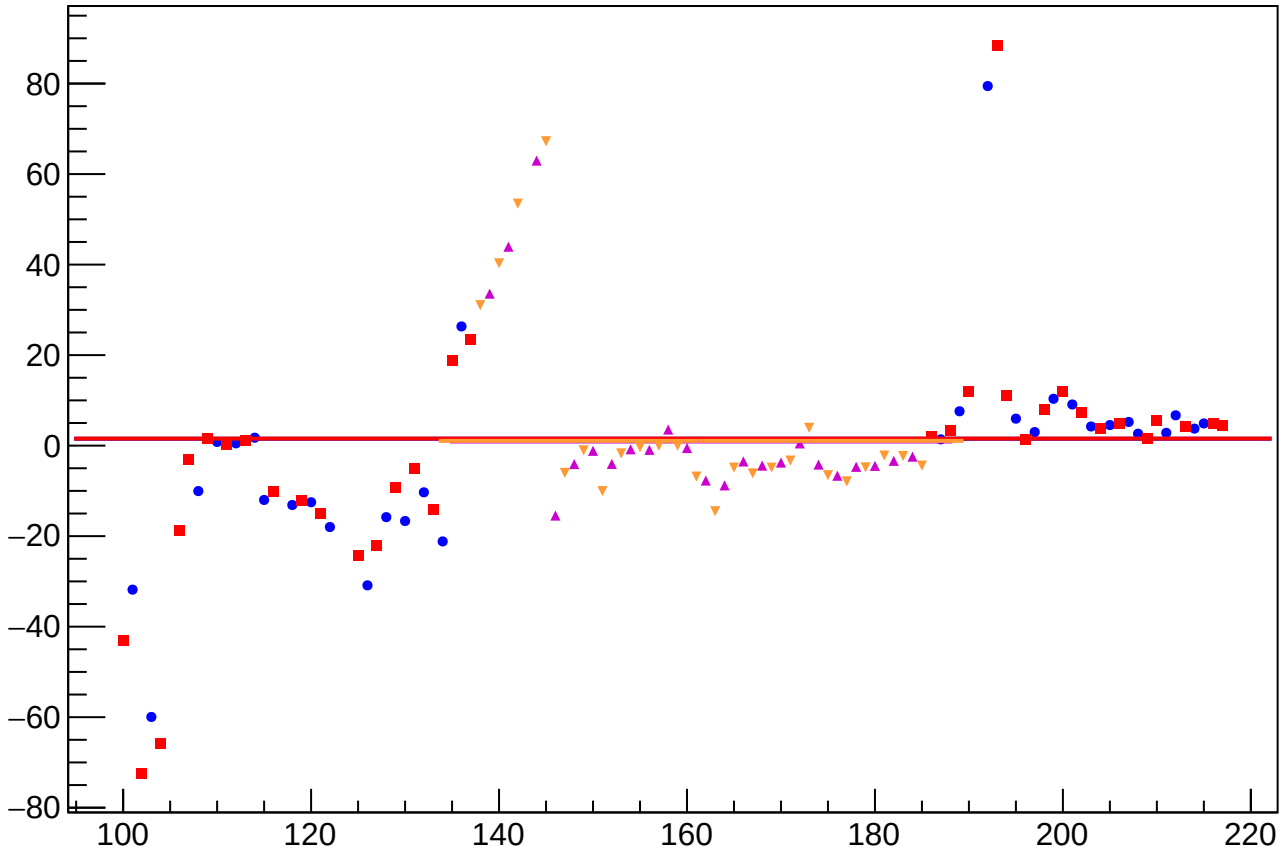
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: 0.028+/-0.001 χ^2/NDF: 70344.7/64

In: -0.004+/-0.000 χ^2/NDF:41506.8/53

Out: -0.003+/-0.000 χ^2/NDF:42865.3/57

All: -0.003+/-0.000 χ^2/NDF: 84377.2/111



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: 1.552+/-0.032 χ^2/NDF: 120355.6/33

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

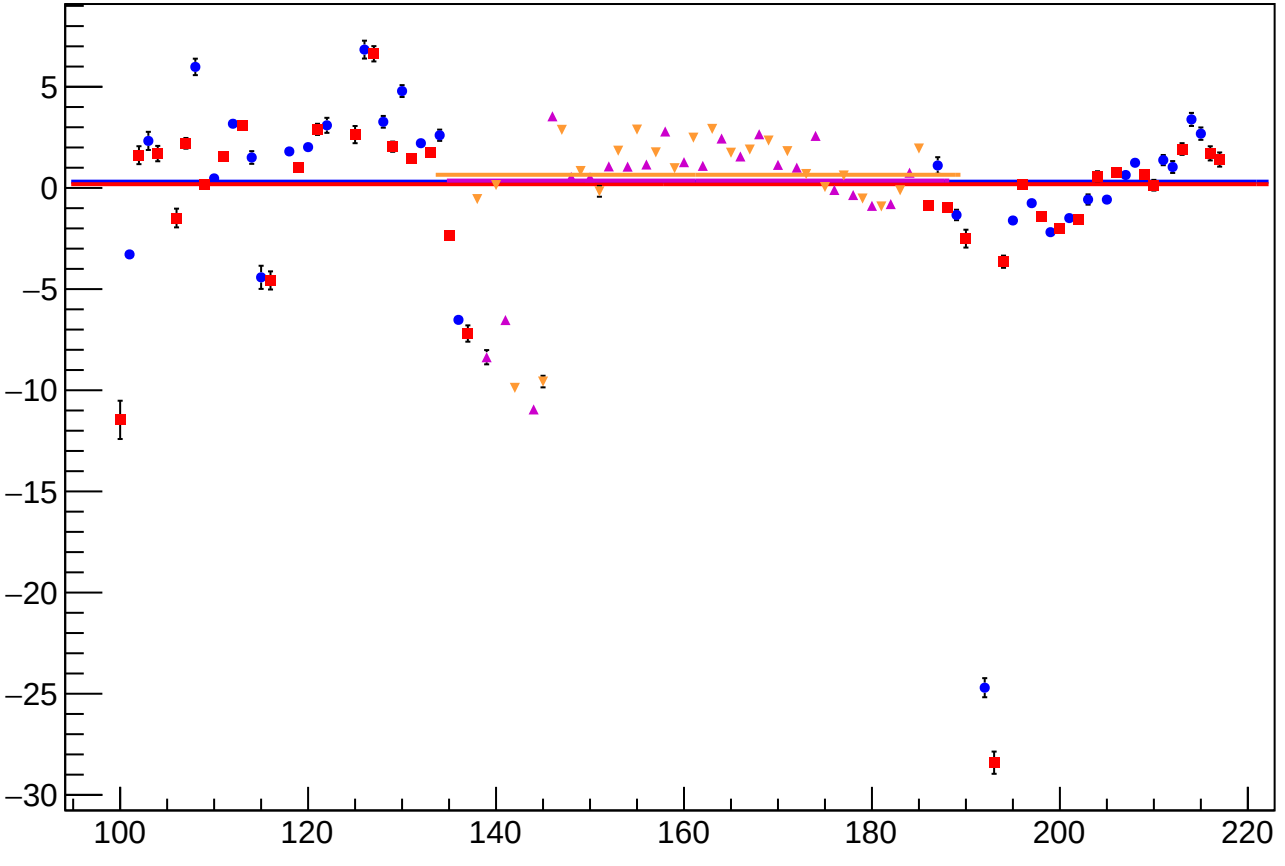
Right: 1.538+/-0.023 χ^2/NDF: 242668.8/64

In: 1.259+/-0.026 χ^2/NDF:255260.5/53

Out: 1.365+/-0.025 χ^2/NDF:251458.8/57

All: 1.315+/-0.018 χ^2/NDF: 506727.9/111

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.311+/-0.044 χ^2/NDF: 6181.4/30

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.186+/-0.042 χ^2/NDF: 5070.5/33

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

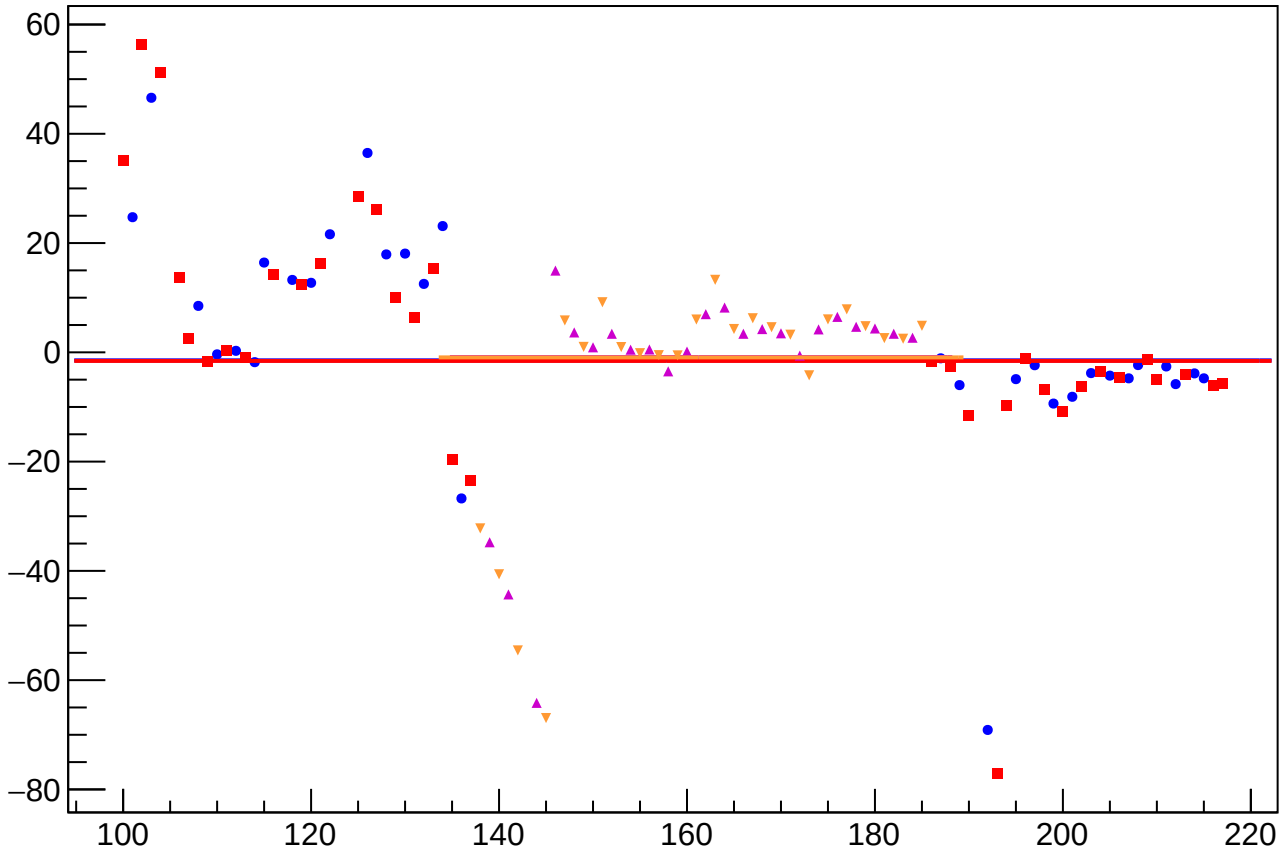
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.245+/-0.030 χ^2/NDF: 11256.1/64

In: 0.346+/-0.026 χ^2/NDF:13304.8/53

Out: 0.473+/-0.026 χ^2/NDF:9855.0/57

All: 0.408+/-0.018 χ^2/NDF: 23171.7/111



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: -1.572+/-0.033 χ^2/NDF: 118788.8/33

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

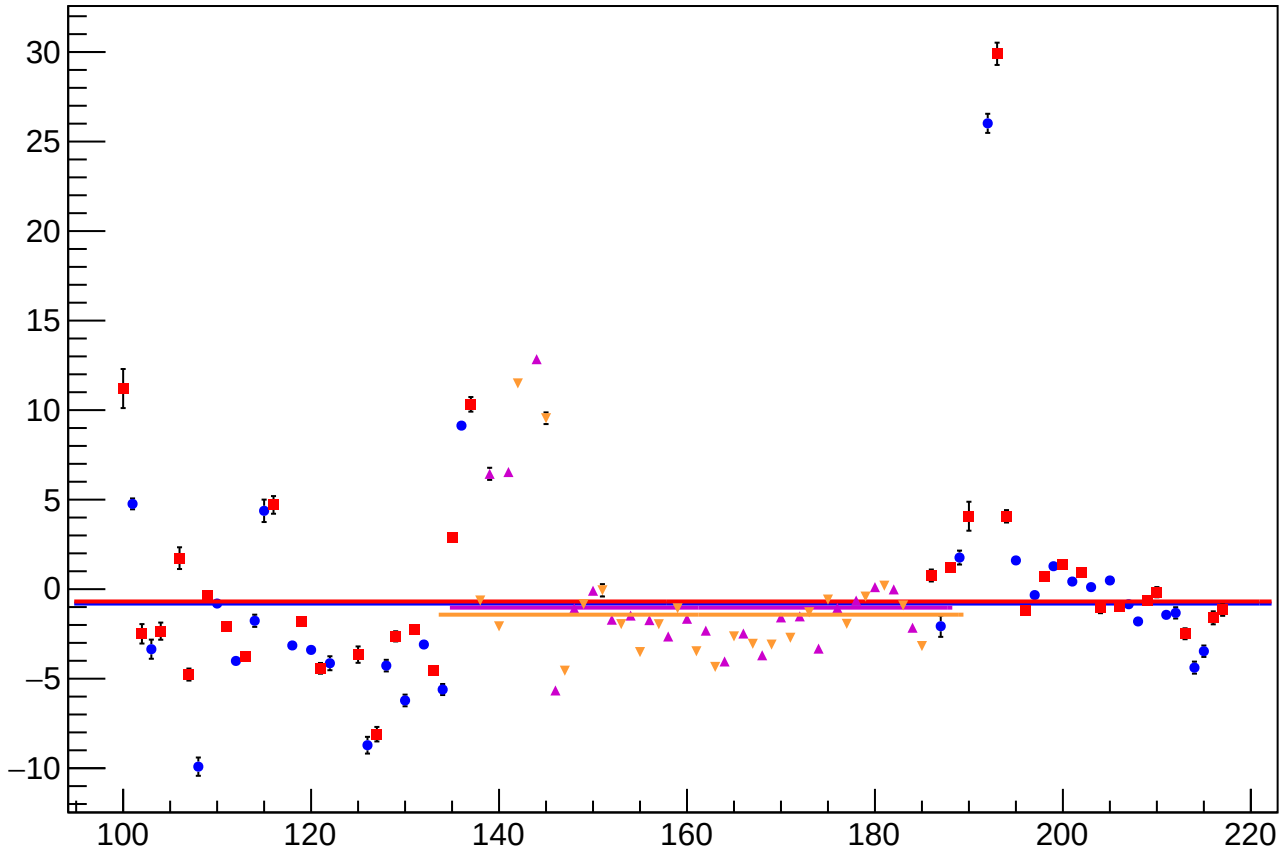
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -1.524+/-0.025 χ^2/NDF: 239344.6/64

In: -1.188+/-0.027 χ^2/NDF:250173.7/53

Out: -1.311+/-0.026 χ^2/NDF:245299.7/57

All: -1.251+/-0.018 χ^2/NDF: 495484.3/111



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: -0.688+/-0.048 χ^2/NDF: 5553.0/33

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

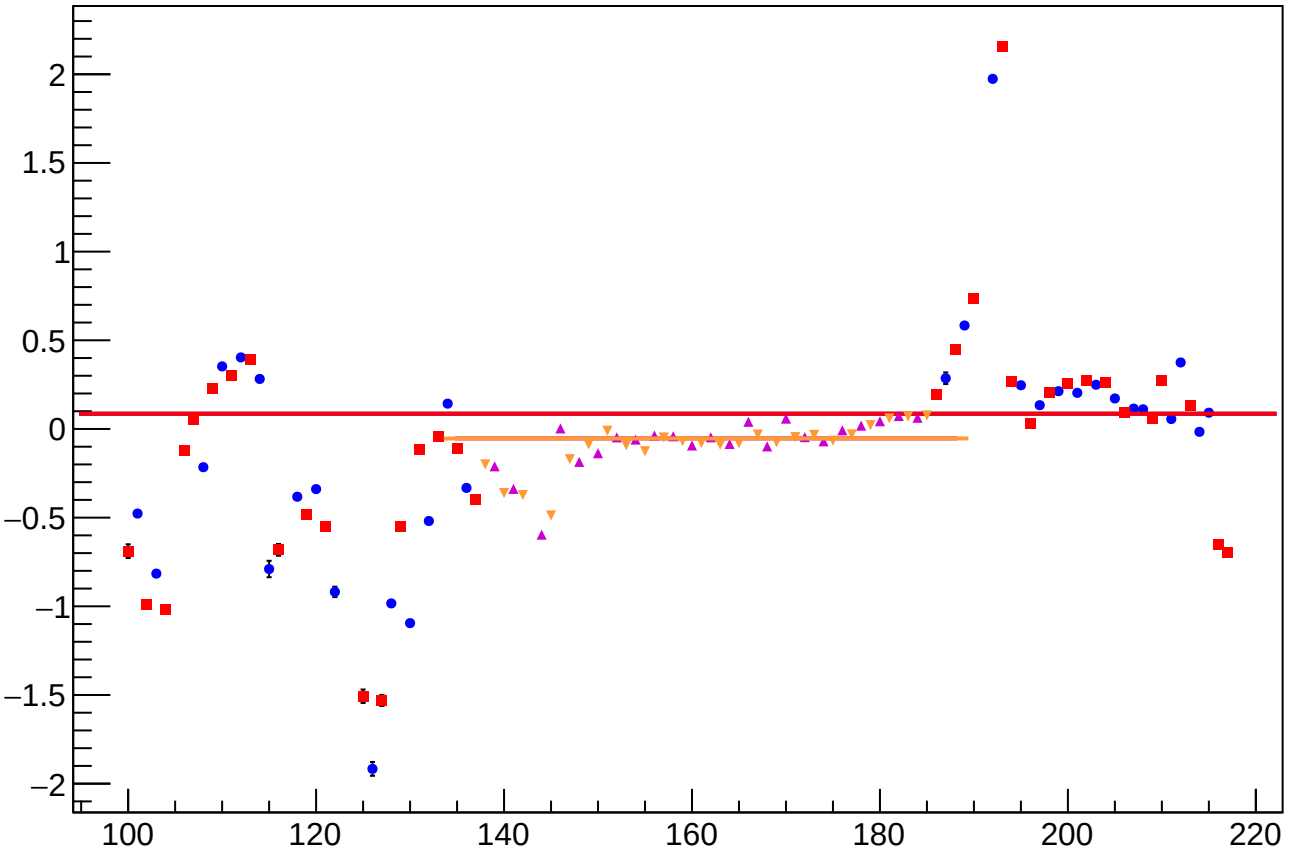
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.743+/-0.035 χ^2/NDF: 13237.6/64

In: -0.959+/-0.029 χ^2/NDF:14746.9/53

Out: -1.156+/-0.029 χ^2/NDF:10340.1/57

All: -1.056+/-0.020 χ^2/NDF: 25110.3/111



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: 0.086+/-0.002 χ^2/NDF: 36899.3/33

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

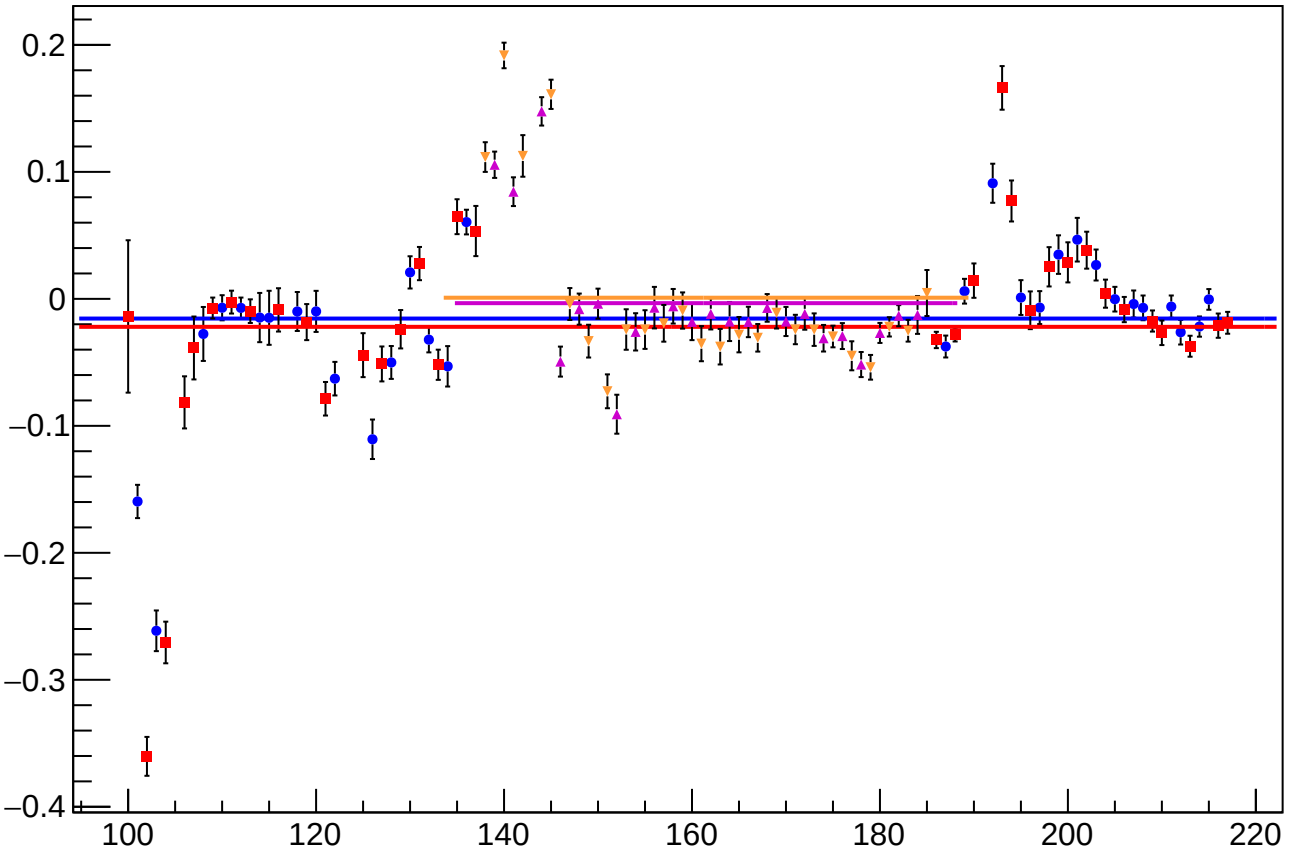
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.086+/-0.002 χ^2/NDF: 71691.3/64

In: -0.011+/-0.001 χ^2/NDF:42431.8/53

Out: -0.006+/-0.001 χ^2/NDF:43855.3/57

All: -0.009+/-0.001 χ^2/NDF: 86295.4/111



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: 1054.8/33

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

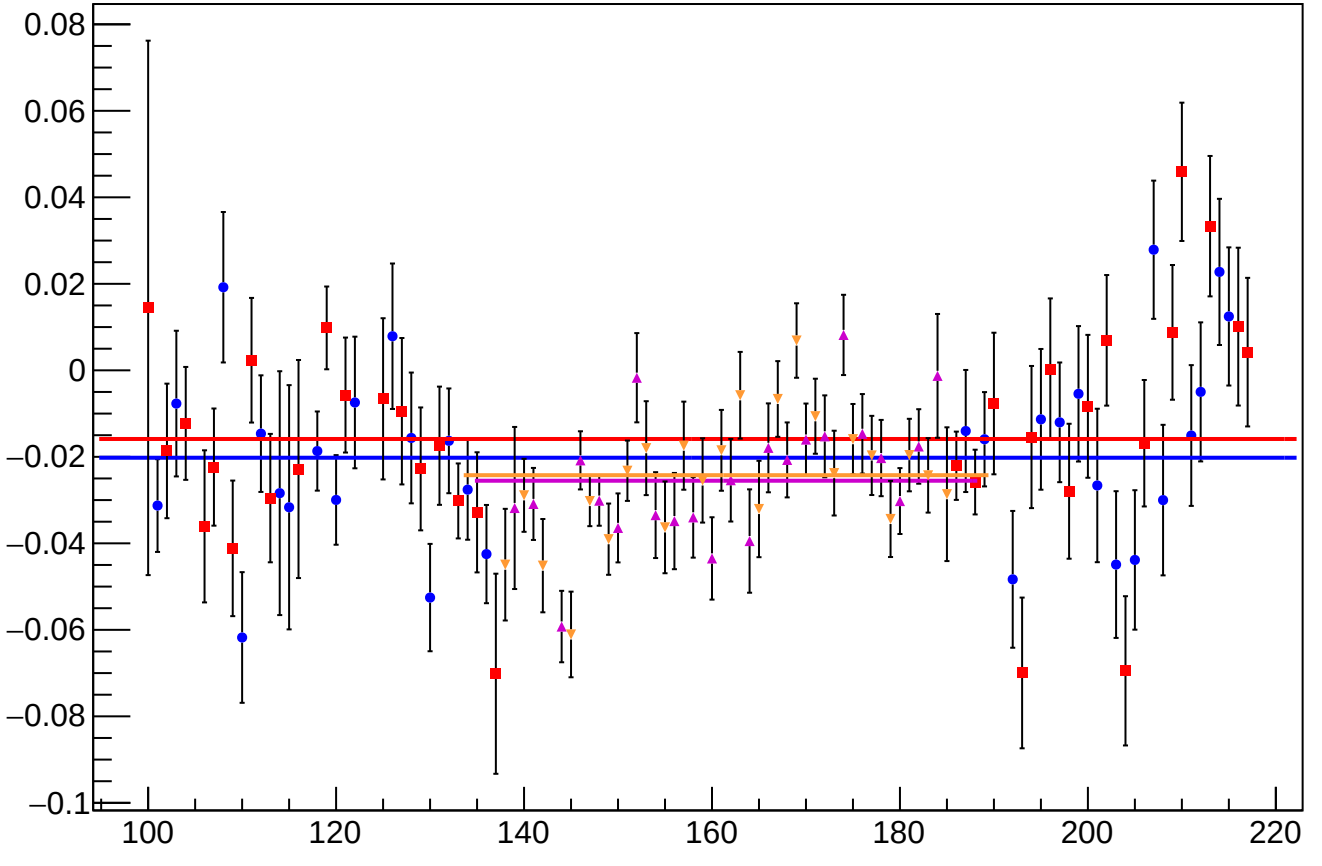
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.019+/-0.001 χ^2/NDF: 1662.3/64

In: -0.010+/-0.002 χ^2/NDF:1074.7/53

Out: -0.013+/-0.002 χ^2/NDF:1960.3/57

All: -0.012+/-0.001 χ^2/NDF: 3036.5/111



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: 81.2/33

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

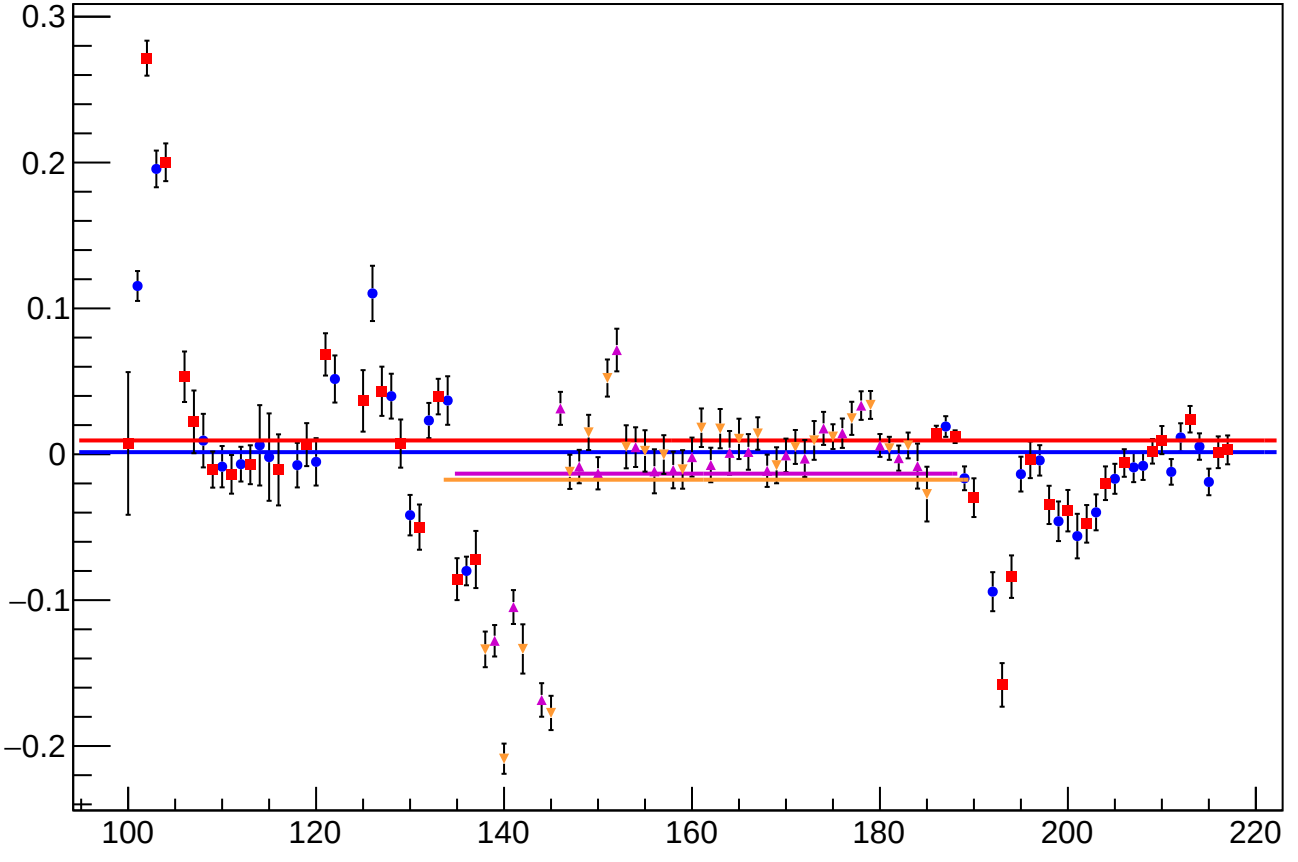
Right: -0.018+/-0.002 χ^2/NDF: 143.6/64

In: -0.024+/-0.002 χ^2/NDF:118.7/53

Out: -0.021+/-0.001 χ^2/NDF:142.6/57

All: -0.022+/-0.001 χ^2/NDF: 262.8/111

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: 0.009+/-0.002 χ^2/NDF: 1047.5/33

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

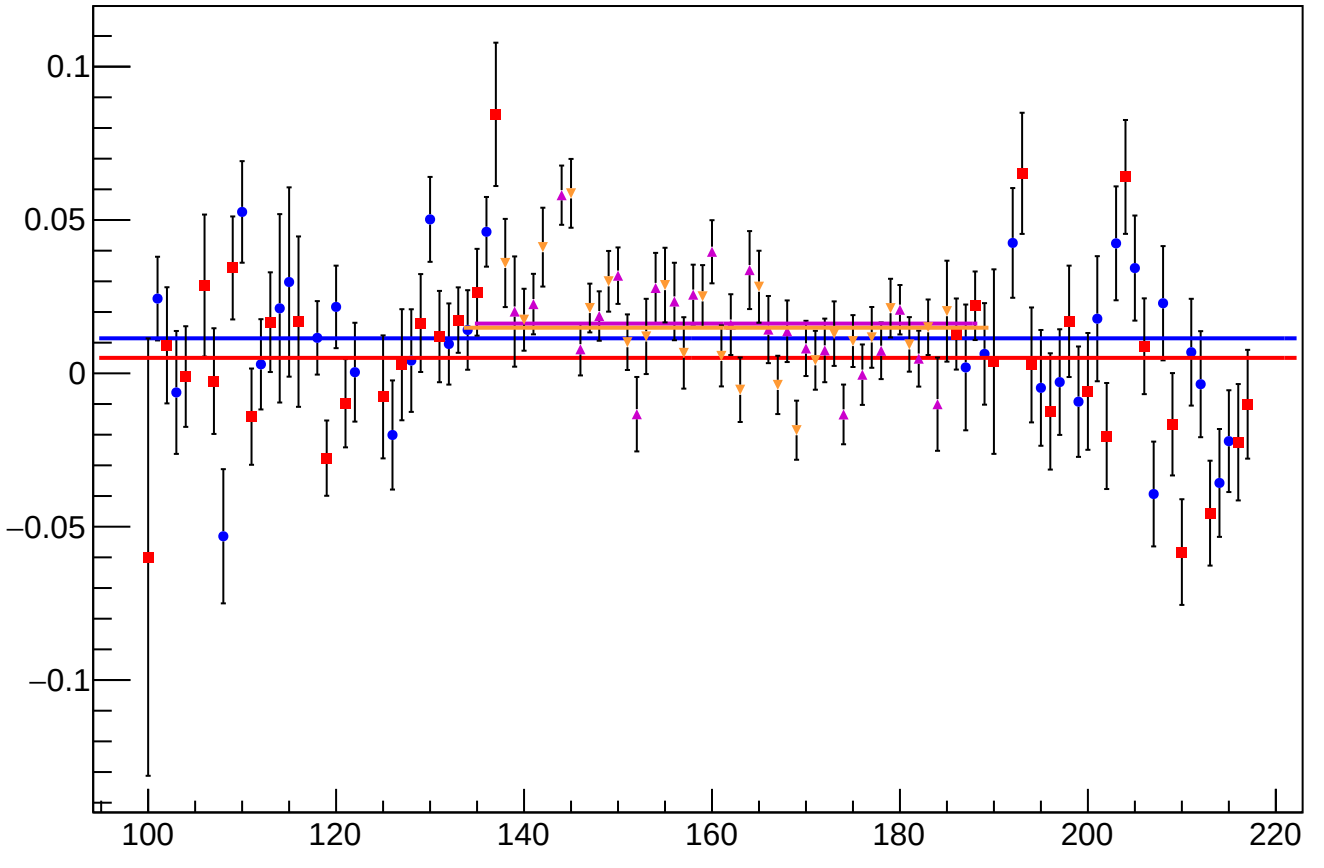
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.006+/-0.001 χ^2/NDF: 1669.7/64

In: -0.005+/-0.002 χ^2/NDF:1094.4/53

Out: -0.001+/-0.001 χ^2/NDF:1937.8/57

All: -0.003+/-0.001 χ^2/NDF: 3035.7/111



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: 84.7/33

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

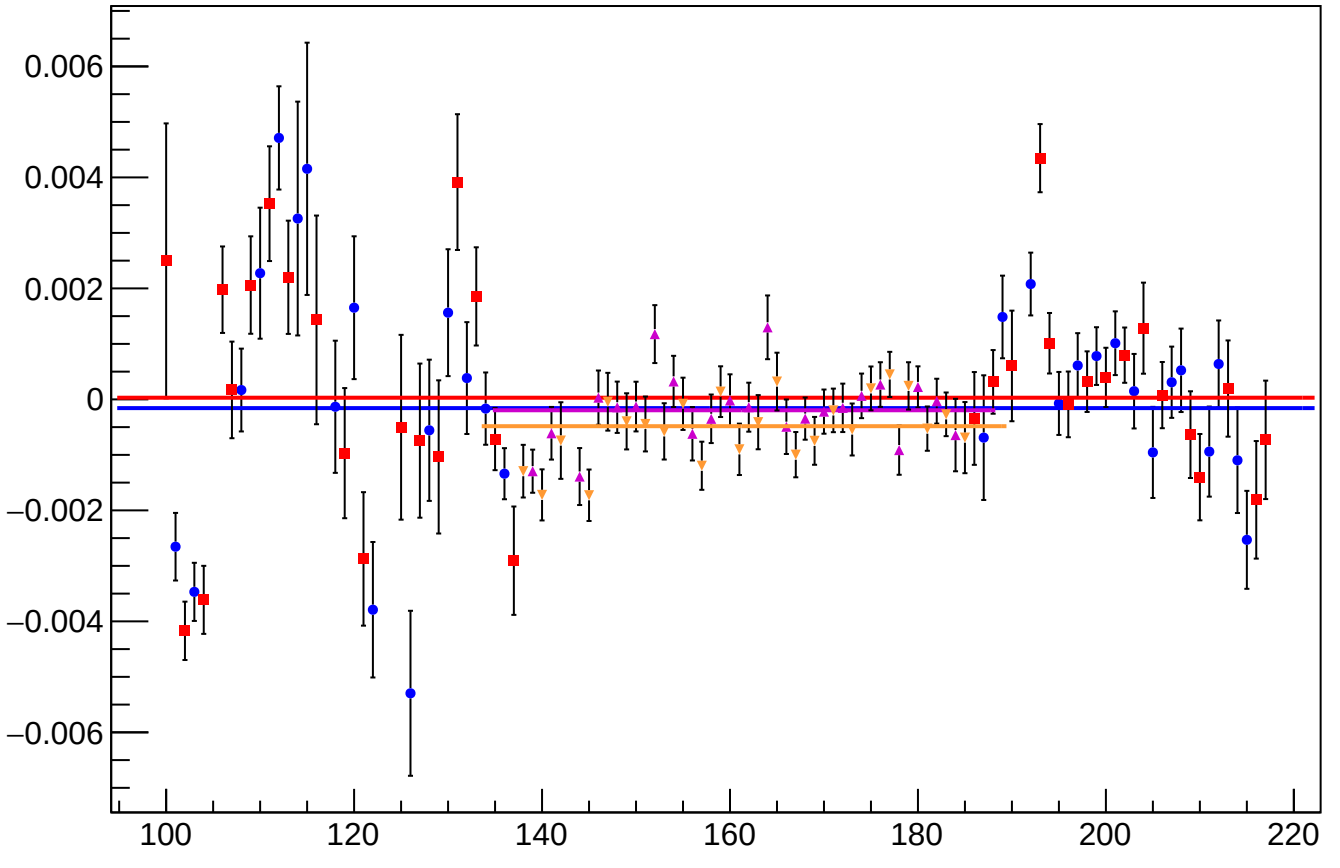
Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

Right: 0.008+/-0.002 χ^2/NDF: 158.1/64

In: 0.015+/-0.002 χ^2/NDF:130.8/53

Out: 0.011+/-0.002 χ^2/NDF:144.5/57

All: 0.013+/-0.001 χ^2/NDF: 277.0/111



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: 227.6/33

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

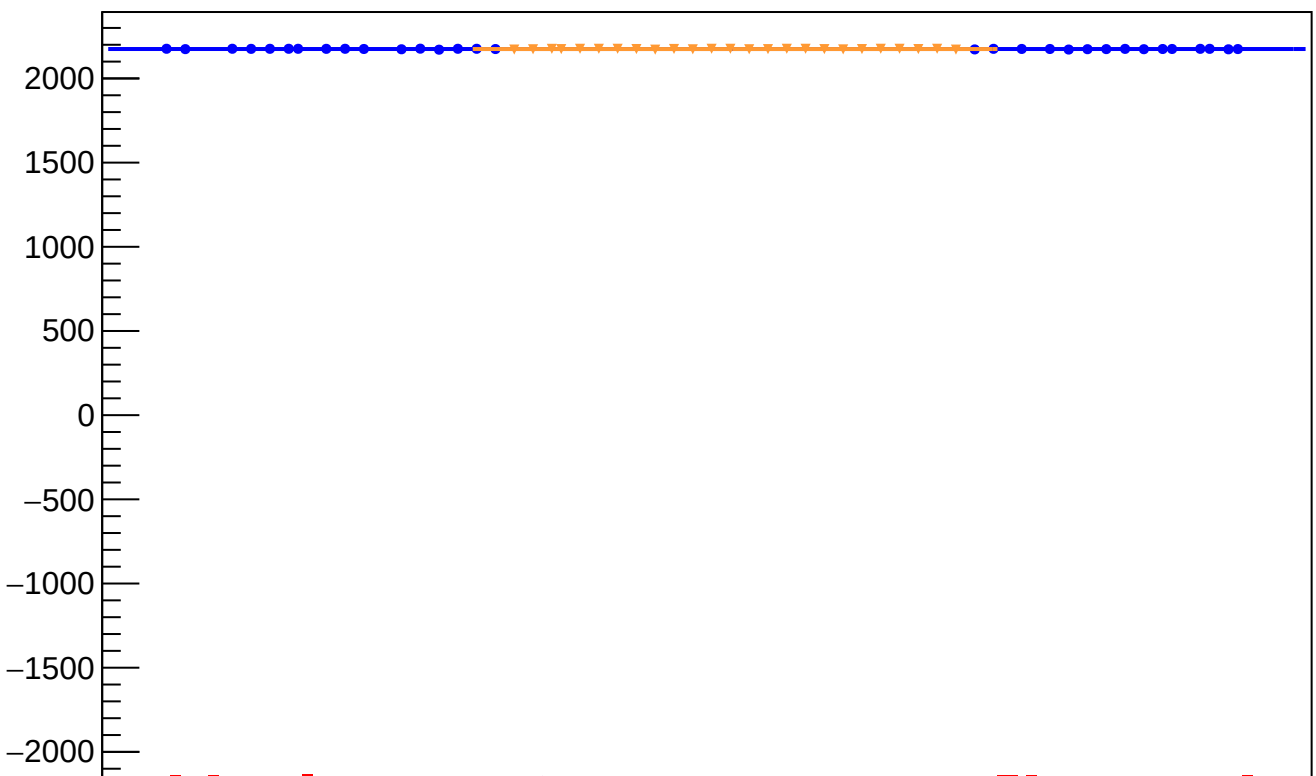
Right: -0.000+/-0.000 χ^2/NDF: 397.9/64

In: -0.000+/-0.000 χ^2/NDF:206.7/53

Out: -0.000+/-0.000 χ^2/NDF:278.5/57

All: -0.000+/-0.000 χ^2/NDF: 486.6/111

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.776+/-0.000 χ^2/NDF: 3676148465387539705080628027326464.0/30

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517712.0/24

Right Out: -2174.269+/-0.000 χ^2/NDF: 12265720153629014293395584896204800.0/35

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520.0/22

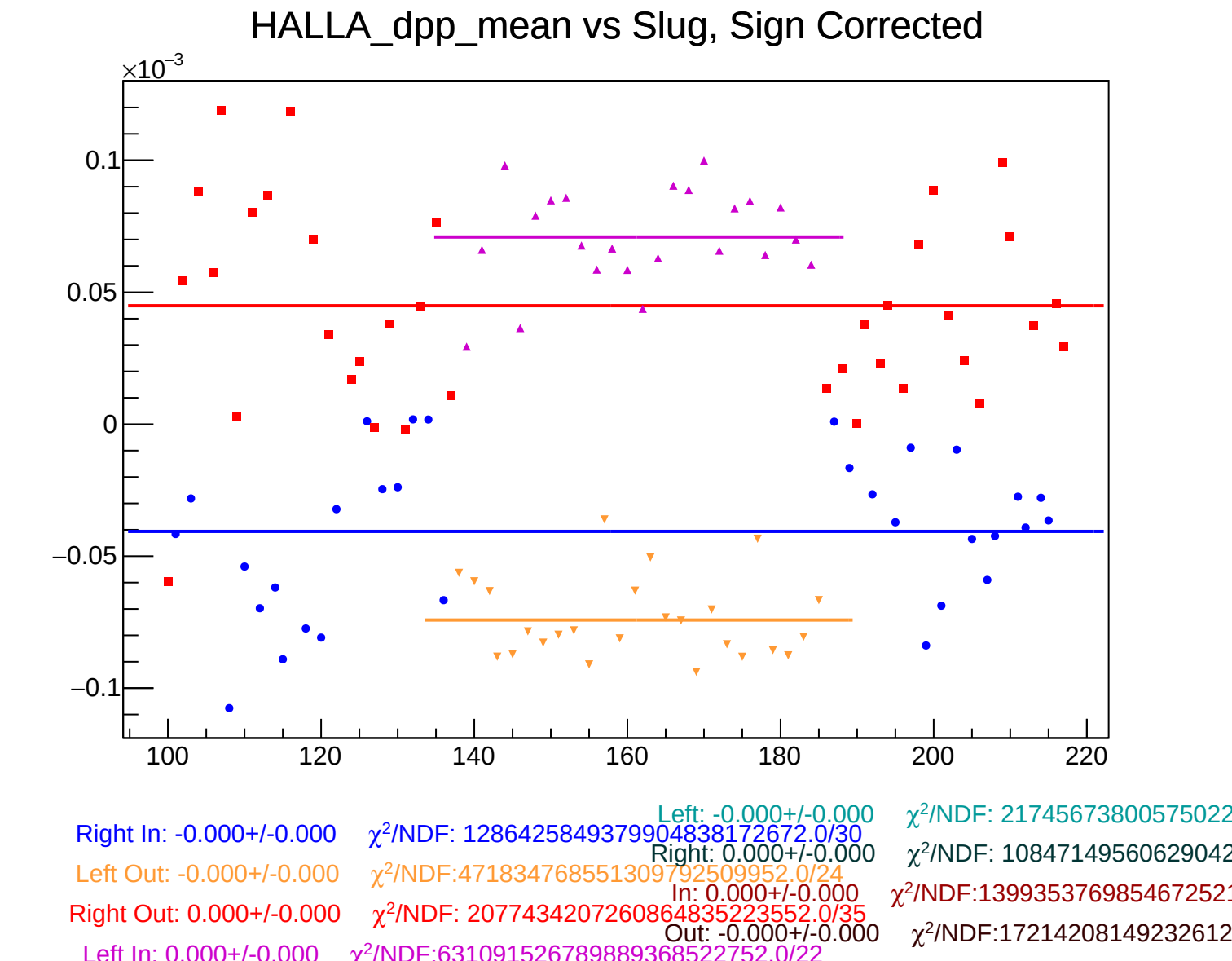
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -76.157+/-0.000 χ^2/NDF: 1935368239108511

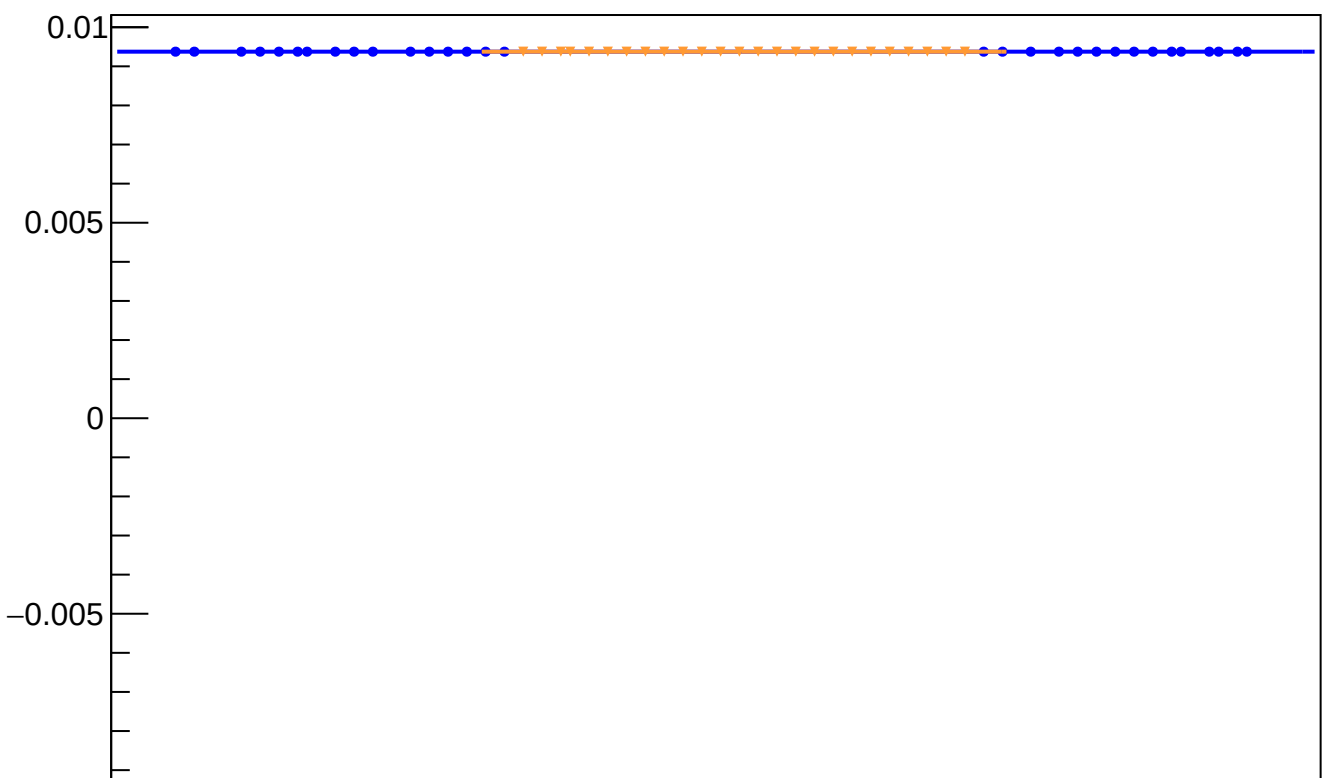
In: 39.865+/-0.000 χ^2/NDF:183573873242924179

Out: -53.925+/-0.000 χ^2/NDF:1955815798107997

All: -8.526+/-0.000 χ^2/NDF: 3793316900199


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:4718347685513097925099 52.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 207743420726086483522 3552.0/35
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: 10847149560629042
In: 0.000+/-0.000 χ²/NDF:139935376985467252
Out: -0.000+/-0.000 χ²/NDF:17214208149232612
All: 0.000+/-0.000 χ²/NDF: 32700807604681

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: 0.3/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

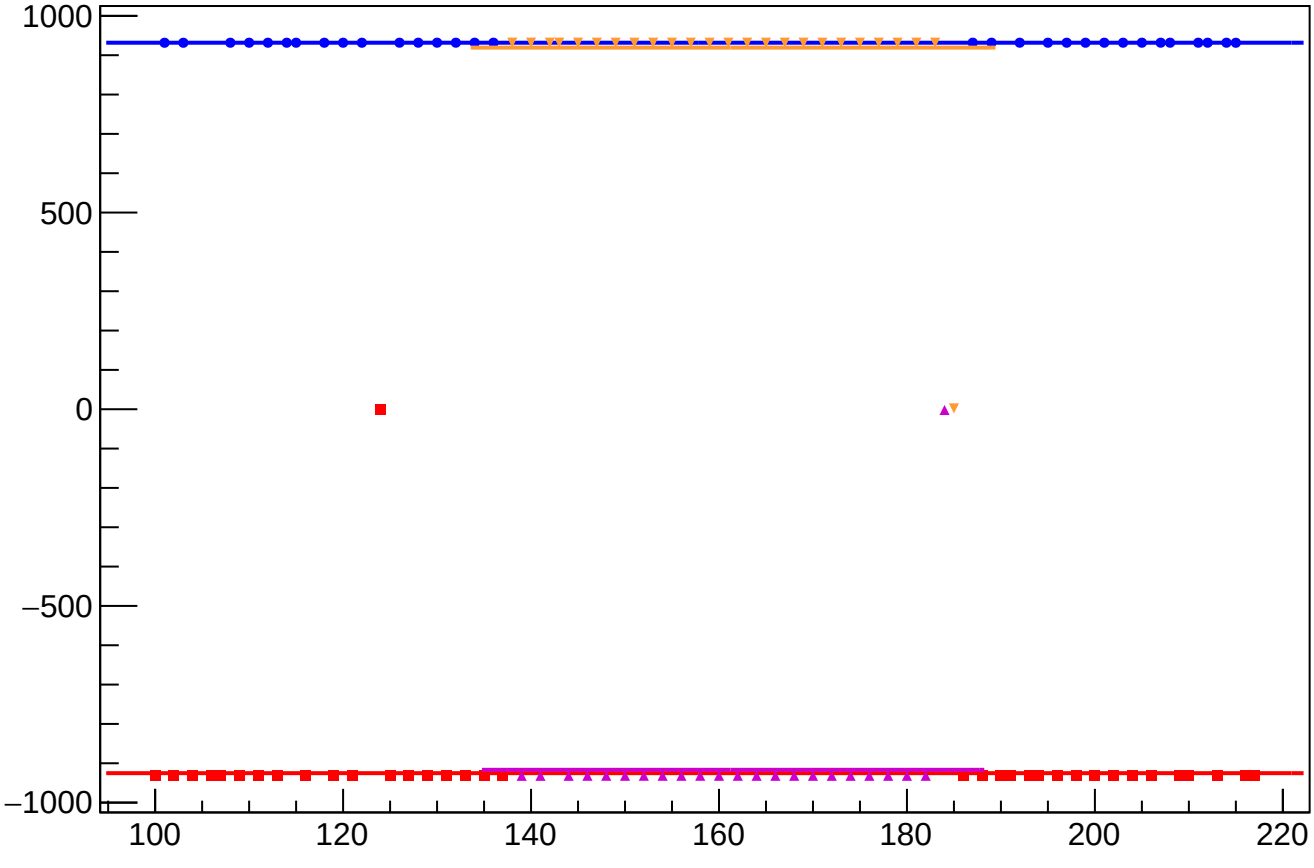
Right: -0.000+/-0.000 χ^2/NDF: 3597310521138350

In: 0.000+/-0.000 χ^2/NDF:3411651952420798752

Out: -0.000+/-0.000 χ^2/NDF:36355401742570568

All: -0.000+/-0.000 χ^2/NDF: 7050473746026

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: -925.177+/-0.000 χ^2/NDF: 1292985988259944302703618573221442 3552.0/35

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

Right: -29.329+/-0.000 χ^2/NDF: 3541307080750 08

In: 24.458+/-0.000 χ^2/NDF:33419994343040 8076

Out: -25.866+/-0.000 χ^2/NDF:3554270637568 604

All: -1.507+/-0.000 χ^2/NDF: 690134365994 5

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: -741.235+/-0.000 χ^2/NDF: 14938895243353935282748925149184 0.0/35

Left In: -741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

Right: -26.047+/-0.000 χ^2/NDF: 224878046296554

In: 13.417+/-0.000 χ^2/NDF:213351728484163643

Out: -18.311+/-0.000 χ^2/NDF:2273533618179923

All: -2.953+/-0.000 χ^2/NDF: 4409067615866

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: -980.781+/-0.000 χ^2/NDF: 6354107692427653182521949657497 6.0/35

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

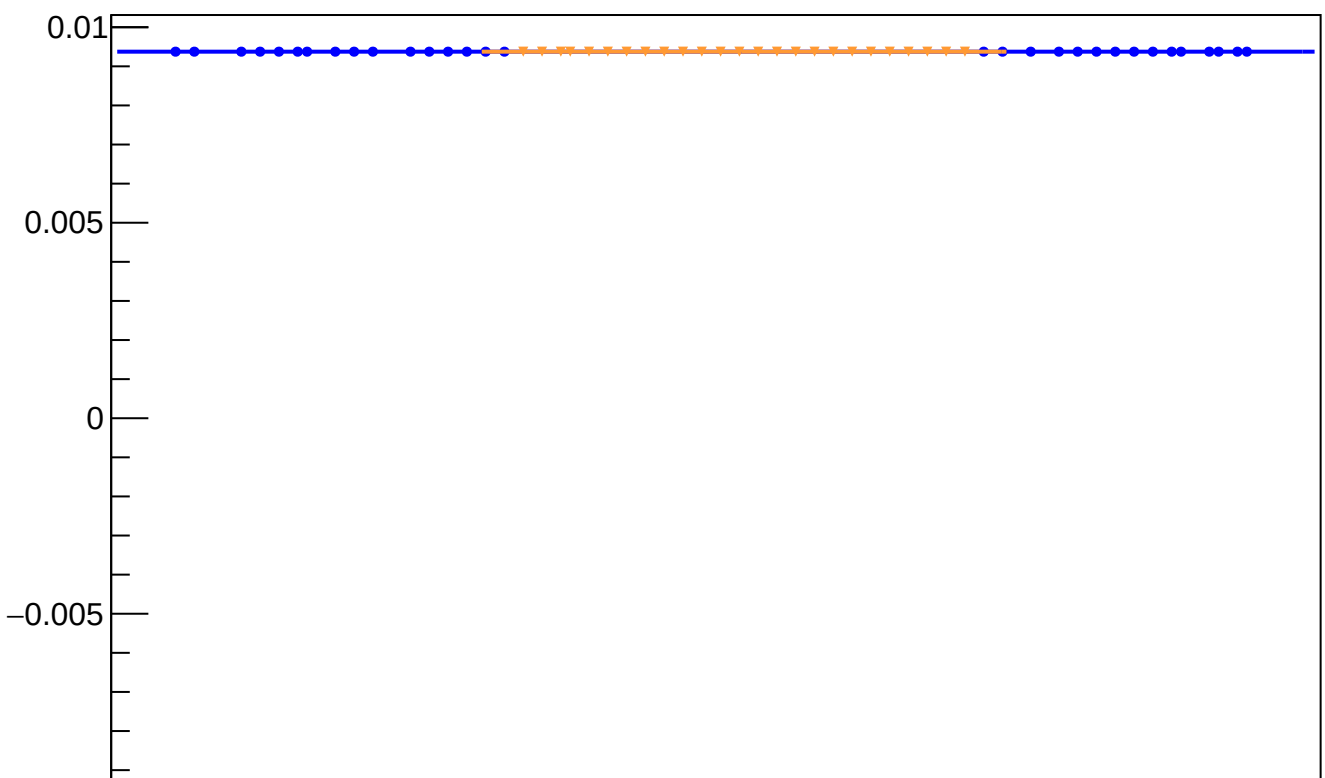
Right: -34.454+/-0.000 χ^2/NDF: 3937216307959045

In: 25.762+/-0.000 χ^2/NDF:370283899165734745

Out: -30.796+/-0.000 χ^2/NDF:3951489527296904

All: -3.419+/-0.000 χ^2/NDF: 7660737341757

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: 0.3/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

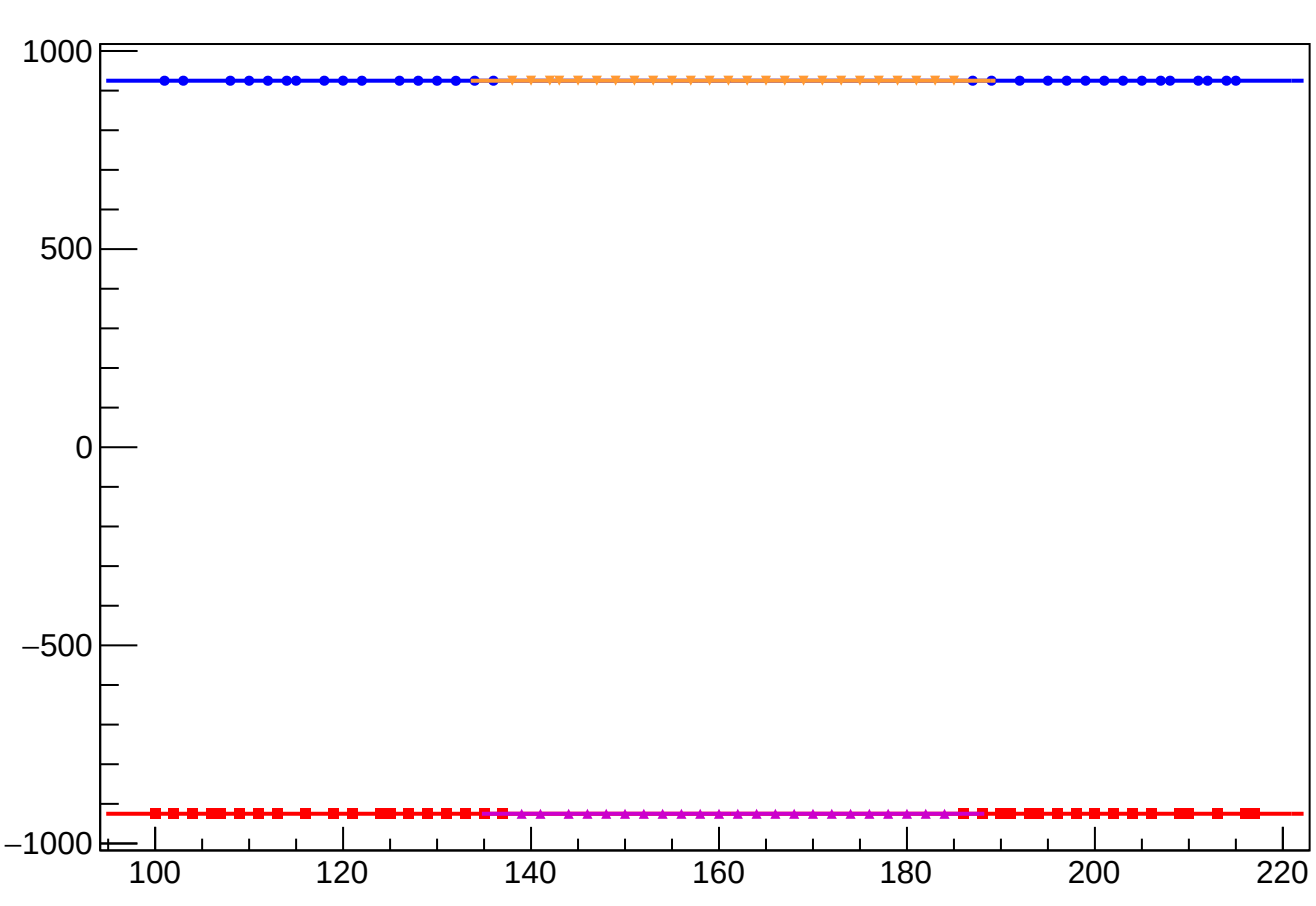
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

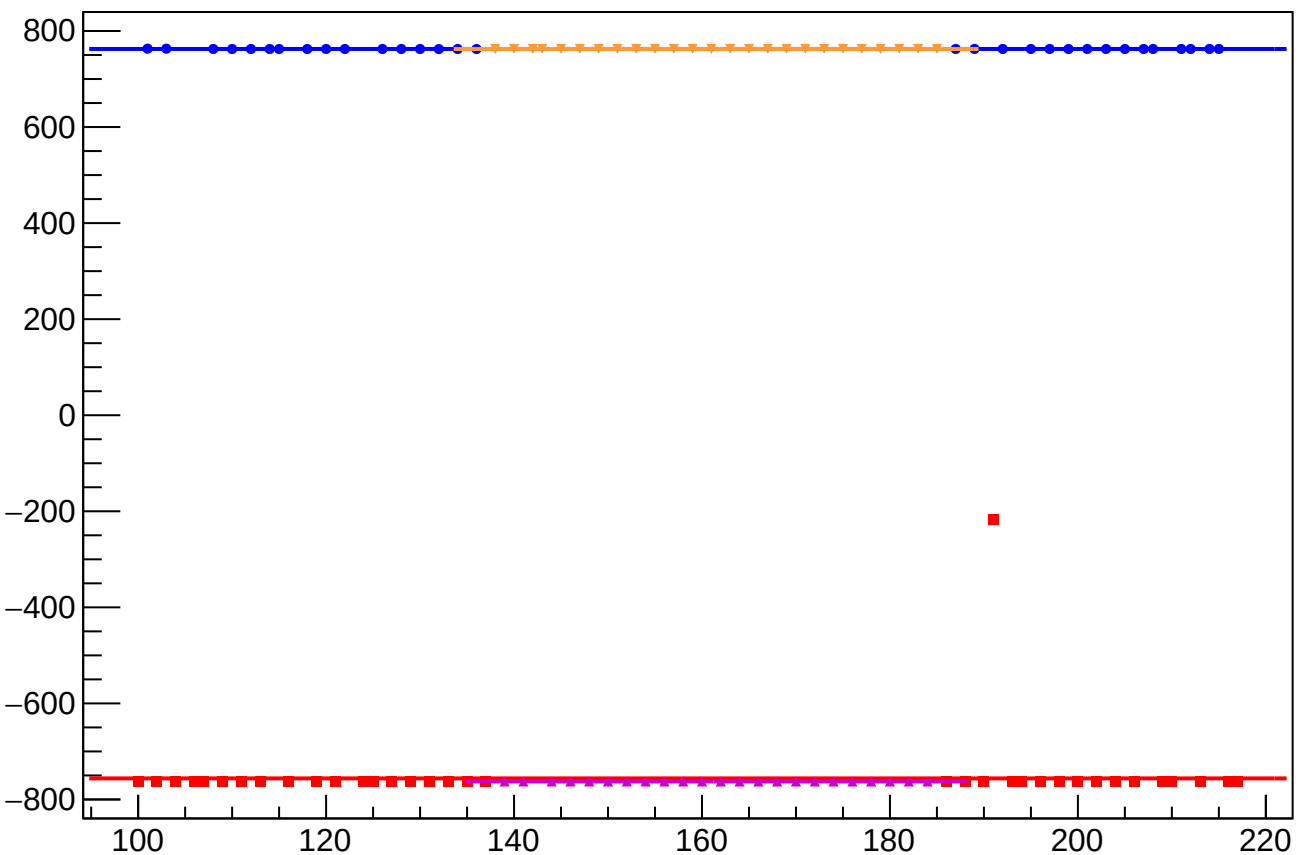
Right: -0.000+/-0.000 χ^2/NDF: 3597310521138350

In: 0.000+/-0.000 χ^2/NDF:3411651952420798752

Out: -0.000+/-0.000 χ^2/NDF:36355401742570568

All: -0.000+/-0.000 χ^2/NDF: 7050473746026


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: 924.996+/-0.000 χ²/NDF: 377245684445965667545023879577 6.0/30
Left Out: 924.983+/-0.000 χ²/NDF:116111269834424613766716771 5328.0/24
Right Out: -924.997+/-0.000 χ²/NDF: 19942980230539888666685474439168.0/35
Left In: -924.983+/-0.000 χ²/NDF:928270307181587701368348475392.0/22
Left: 26.401+/-0.000 χ²/NDF: 3354615142636374
Right: -32.504+/-0.000 χ²/NDF: 350199373988592
In: 16.920+/-0.000 χ²/NDF:33212042110382558
Out: -23.025+/-0.000 χ²/NDF:3539163484292540
All: -3.690+/-0.000 χ²/NDF: 6863564420341



Right In: 762.570+/-0.000 χ^2/NDF: 554941080423026206330763849236480/30

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -756.146+/-0.000 χ^2/NDF: 735175438109467820752974547167215616 0.0/35

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

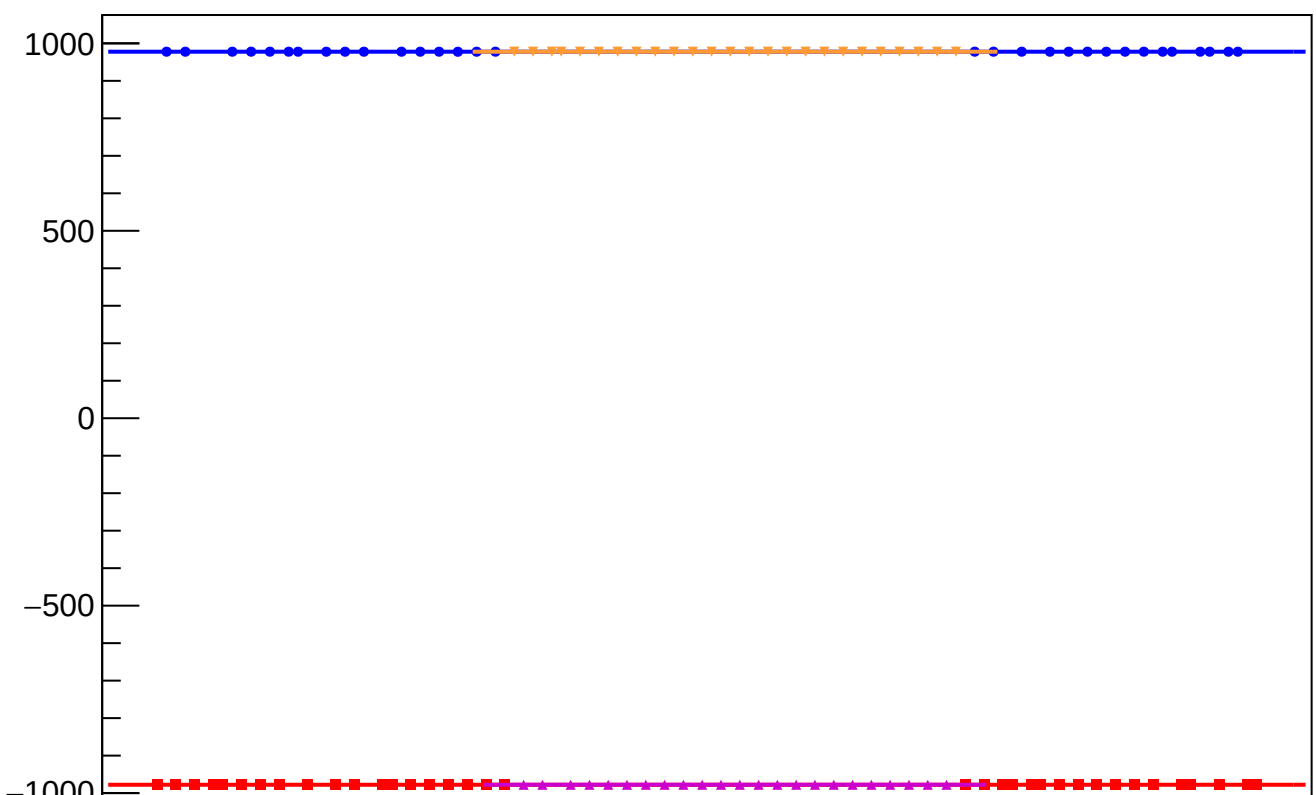
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -23.471+/-0.000 χ^2/NDF: 236743869735811

In: 13.968+/-0.000 χ^2/NDF:22571070497961149

Out: -15.710+/-0.000 χ^2/NDF:2392358900063266

All: -1.344+/-0.000 χ^2/NDF: 4651230583995



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: 2868389510675511163708908765184.0/35

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

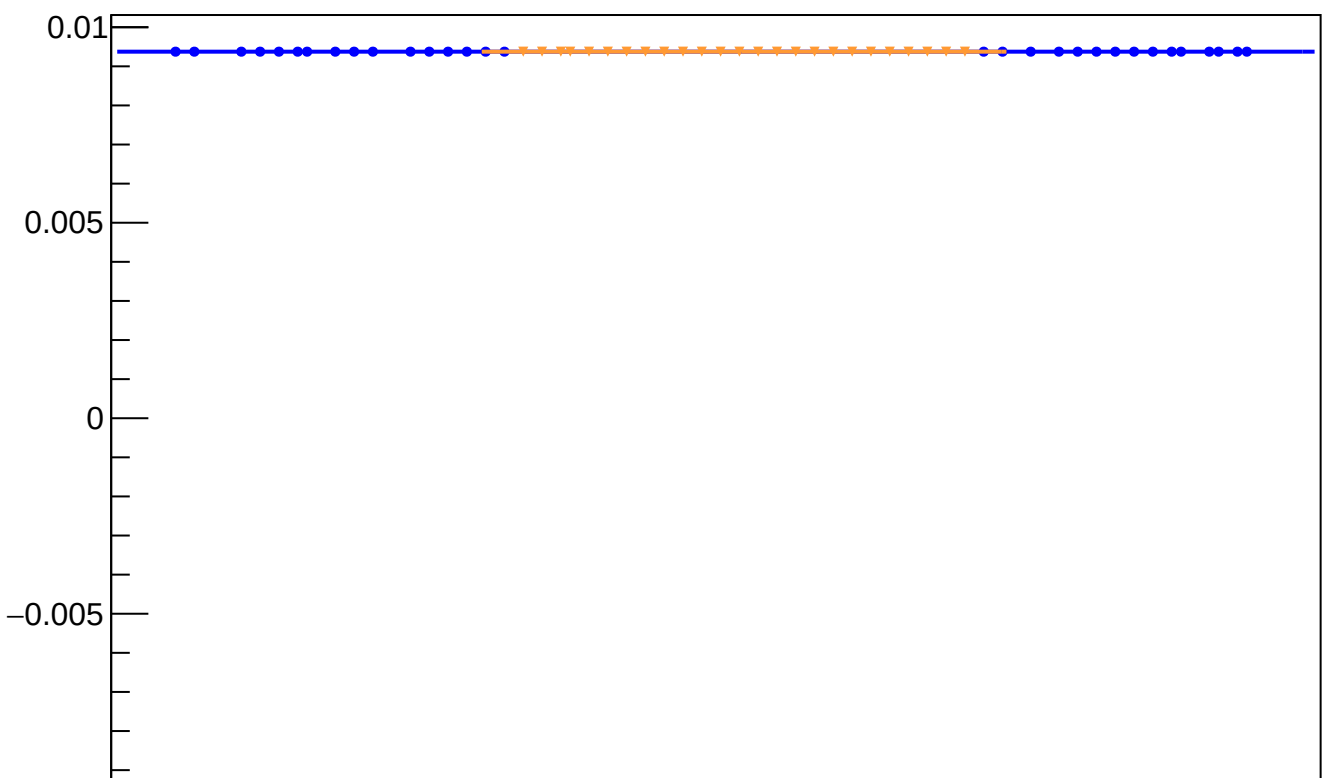
Right: -34.356+/-0.000 χ^2/NDF: 391290554514822

In: 17.891+/-0.000 χ^2/NDF:3710871815821714 02

Out: -24.342+/-0.000 χ^2/NDF:3954396058779546

All: -3.899+/-0.000 χ^2/NDF: 7668841198445

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: 0.3/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

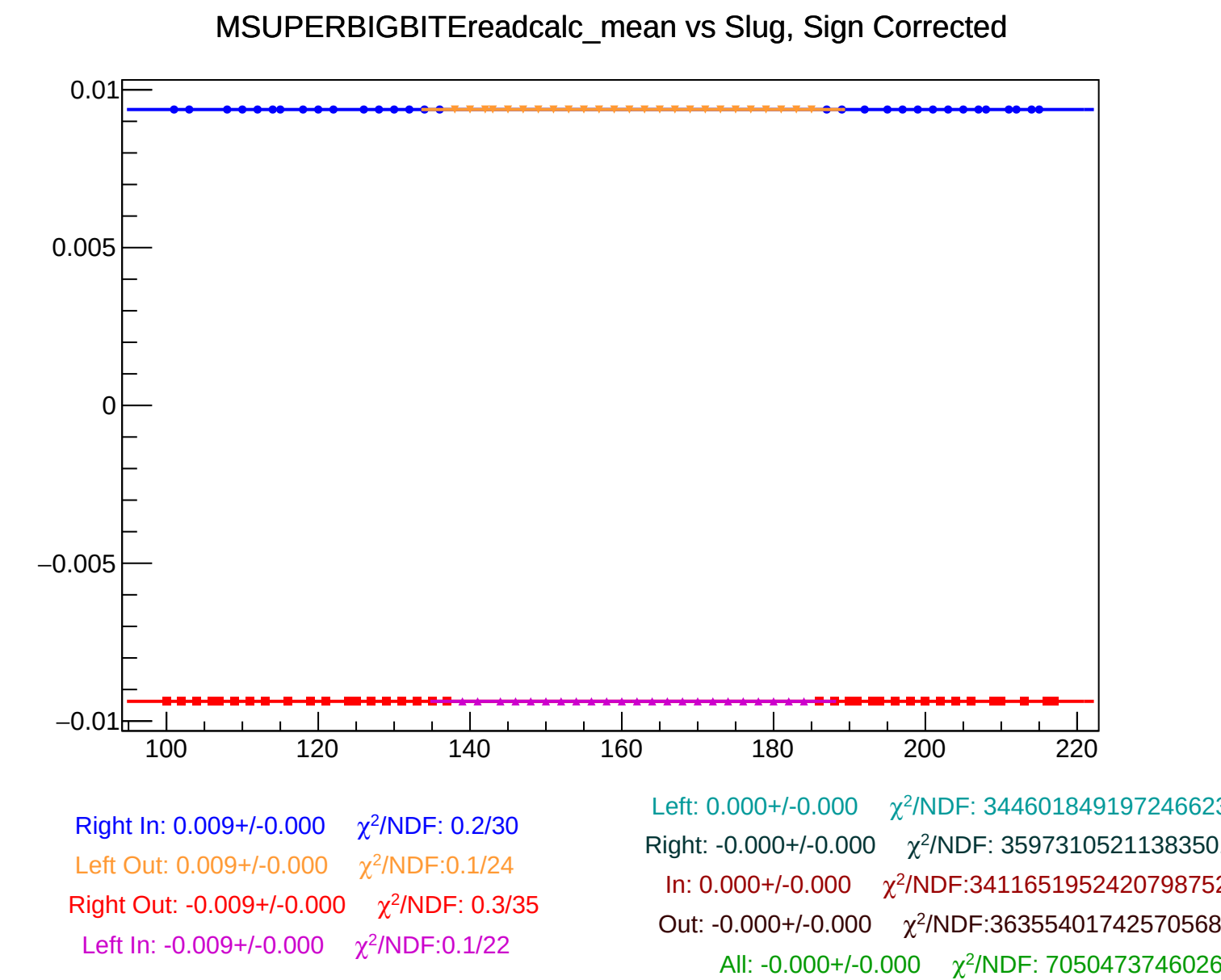
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 3597310521138350

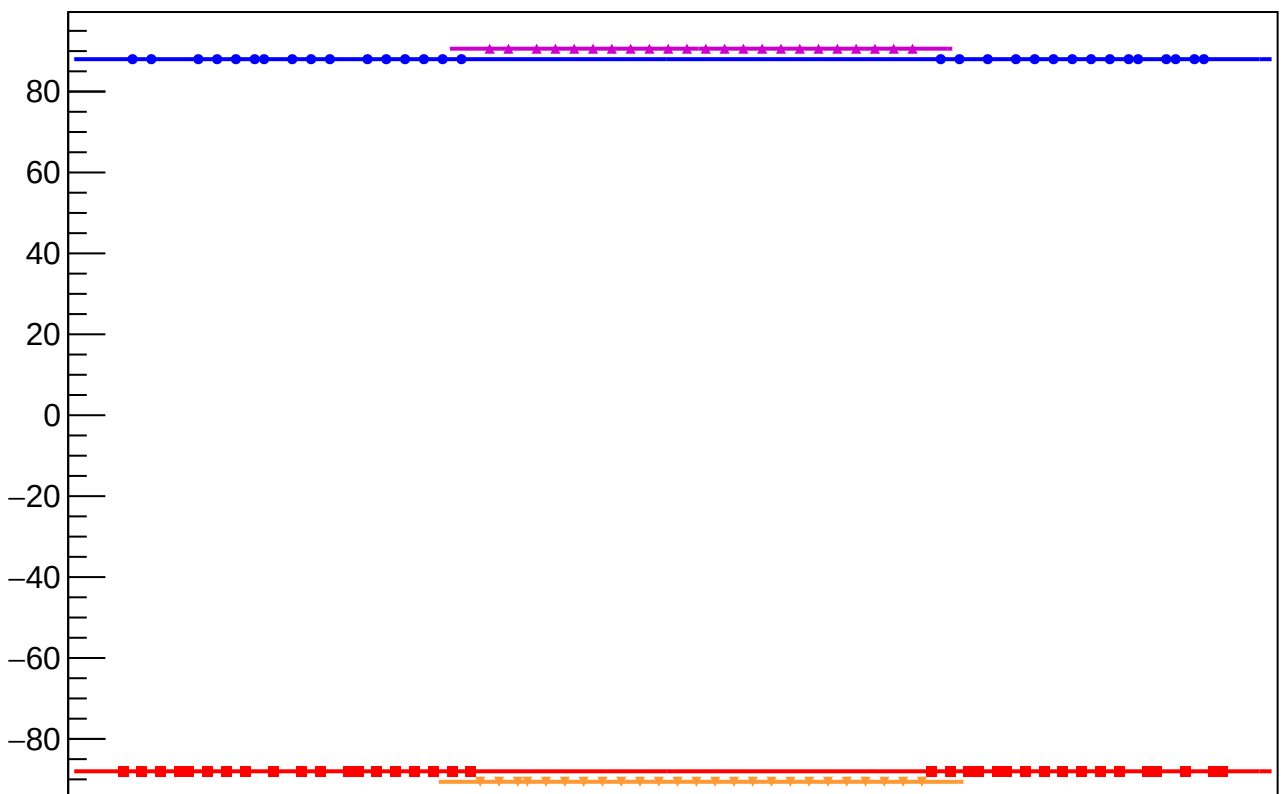
In: 0.000+/-0.000 χ^2/NDF:3411651952420798752

Out: -0.000+/-0.000 χ^2/NDF:36355401742570568

All: -0.000+/-0.000 χ^2/NDF: 7050473746026


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
120
140
160
180
200
220
Right In: 0.009+/-0.000 χ²/NDF: 0.2/30
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.3/35
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 34460184919724662
Right: -0.000+/-0.000 χ²/NDF: 3597310521138350
In: 0.000+/-0.000 χ²/NDF:341165195242079875
Out: -0.000+/-0.000 χ²/NDF:36355401742570568
All: -0.000+/-0.000 χ²/NDF: 7050473746026

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: 767979632943714199335589642240/35

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

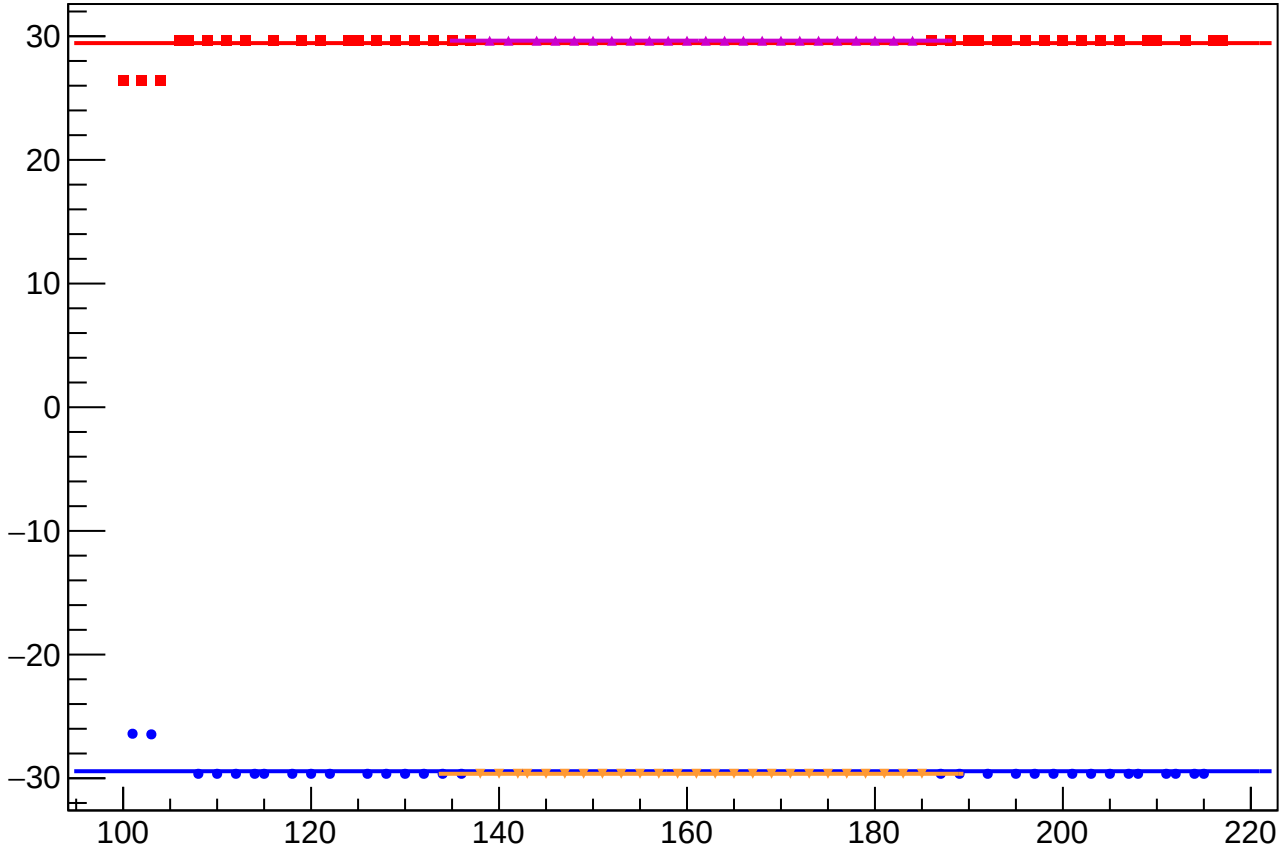
Right: -3.093+/-0.000 χ^2/NDF: 3169658402446022

In: 89.276+/-0.000 χ^2/NDF:655298168608243512

Out: -89.268+/-0.000 χ^2/NDF:6977868962363431

All: -2.845+/-0.000 χ^2/NDF: 6387996413072

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: 29.444+/-0.000 χ^2/NDF: 127182804186704258200705256180940 8.0/35

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

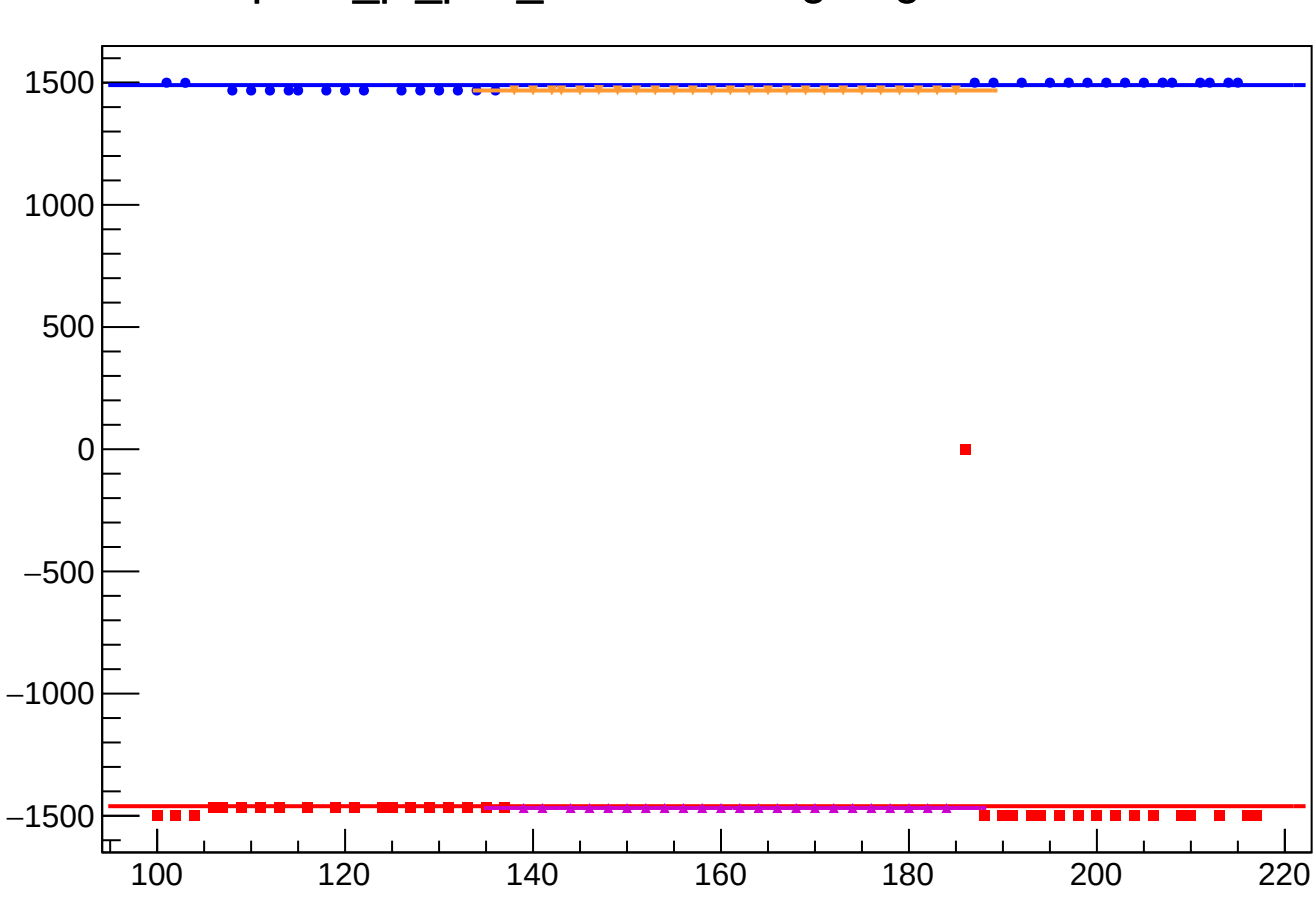
Left: -0.846+/-0.000 χ^2/NDF: 3444705147343189 2

Right: 1.040+/-0.000 χ^2/NDF: 3549459689412352 5

In: -0.436+/-0.000 χ^2/NDF:338768387631426023

Out: 0.637+/-0.000 χ^2/NDF:361130591501797530

All: 0.117+/-0.000 χ^2/NDF: 700129488559 25



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: -1460.726+/-0.000 χ^2/NDF: 91877371388136685199437287775698681856.0/35

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

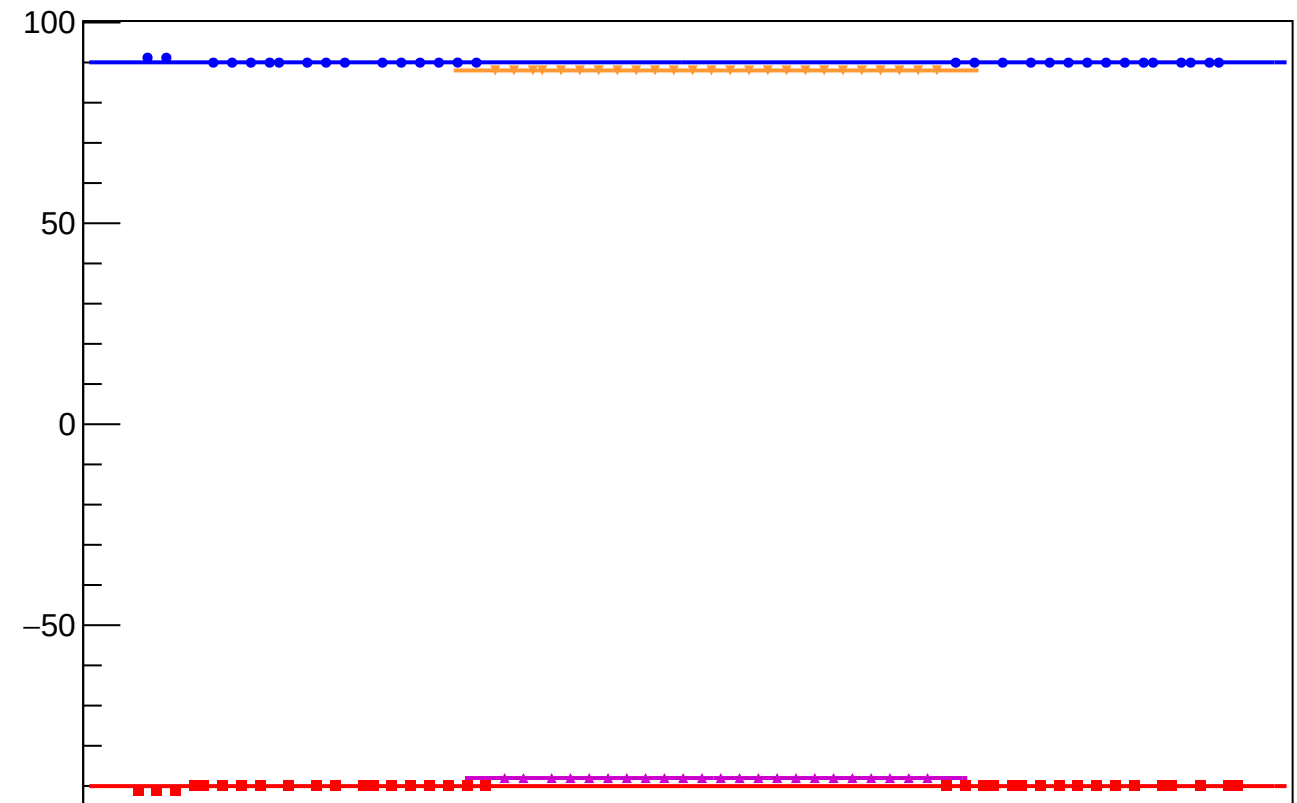
Right: -37.179+/-0.000 χ^2/NDF: 900173410331830

In: 38.075+/-0.000 χ^2/NDF:849170999729120387

Out: -32.779+/-0.000 χ^2/NDF:8962190189611726

All: 1.517+/-0.000 χ^2/NDF: 1746395819796

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.039+/-0.000 χ^2/NDF: 1811193121098056397698395505950 72.0/30

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.035+/-0.000 χ^2/NDF: 18628665572845716697883002221 3632.0/35

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 48

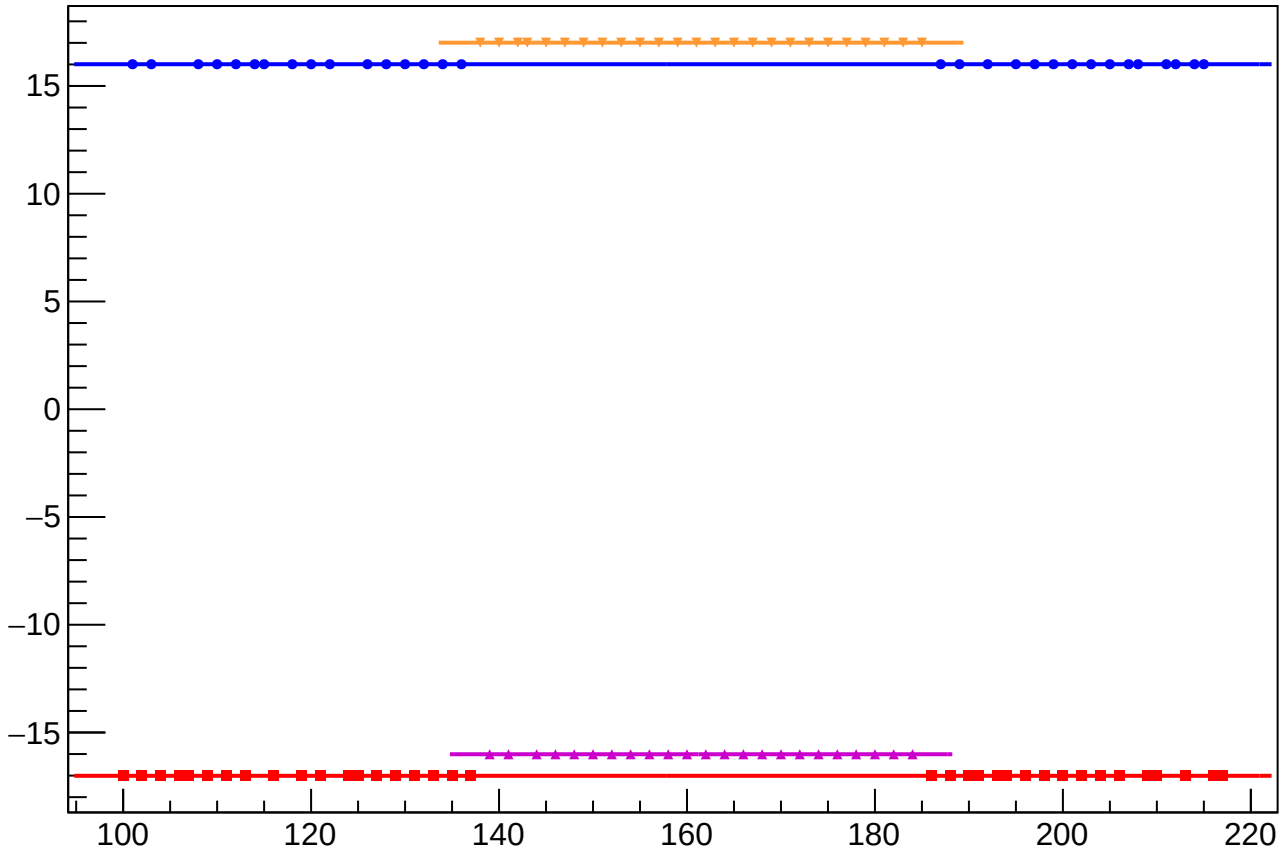
Right: -3.162+/-0.000 χ^2/NDF: 3318045242339849

In: 2.637+/-0.000 χ^2/NDF:3076787512833538330

Out: -3.222+/-0.000 χ^2/NDF:32785306985630287

All: -0.386+/-0.000 χ^2/NDF: 6362197253919

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 986957088942460086779904.0/30

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 221228038824495469654179840.0/35

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844800.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676860

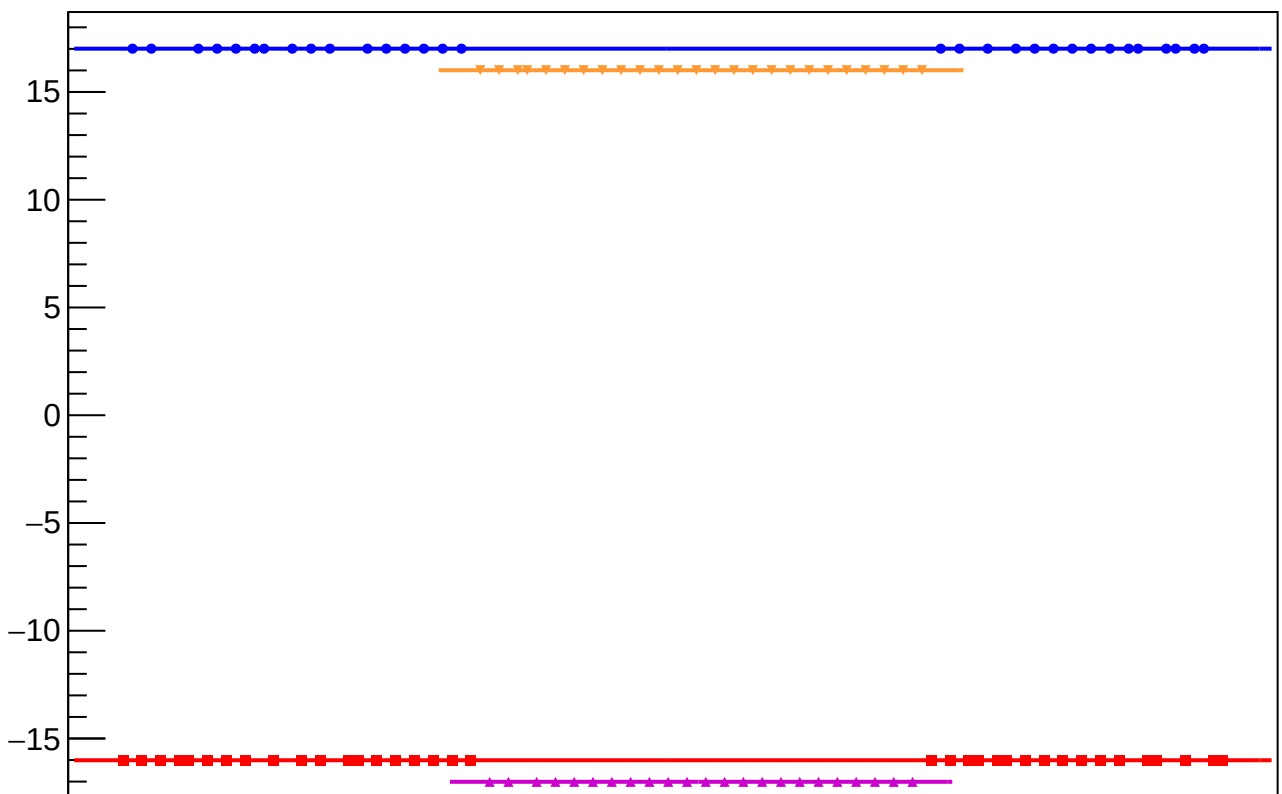
Right: -0.968+/-0.000 χ^2/NDF: 10863619331760765

In: 0.730+/-0.000 χ^2/NDF:948129246241565218800

Out: -0.776+/-0.000 χ^2/NDF:11326225398580590

All: -0.044+/-0.000 χ^2/NDF: 2085074478557

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: 24545774560269121355776.0/35

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

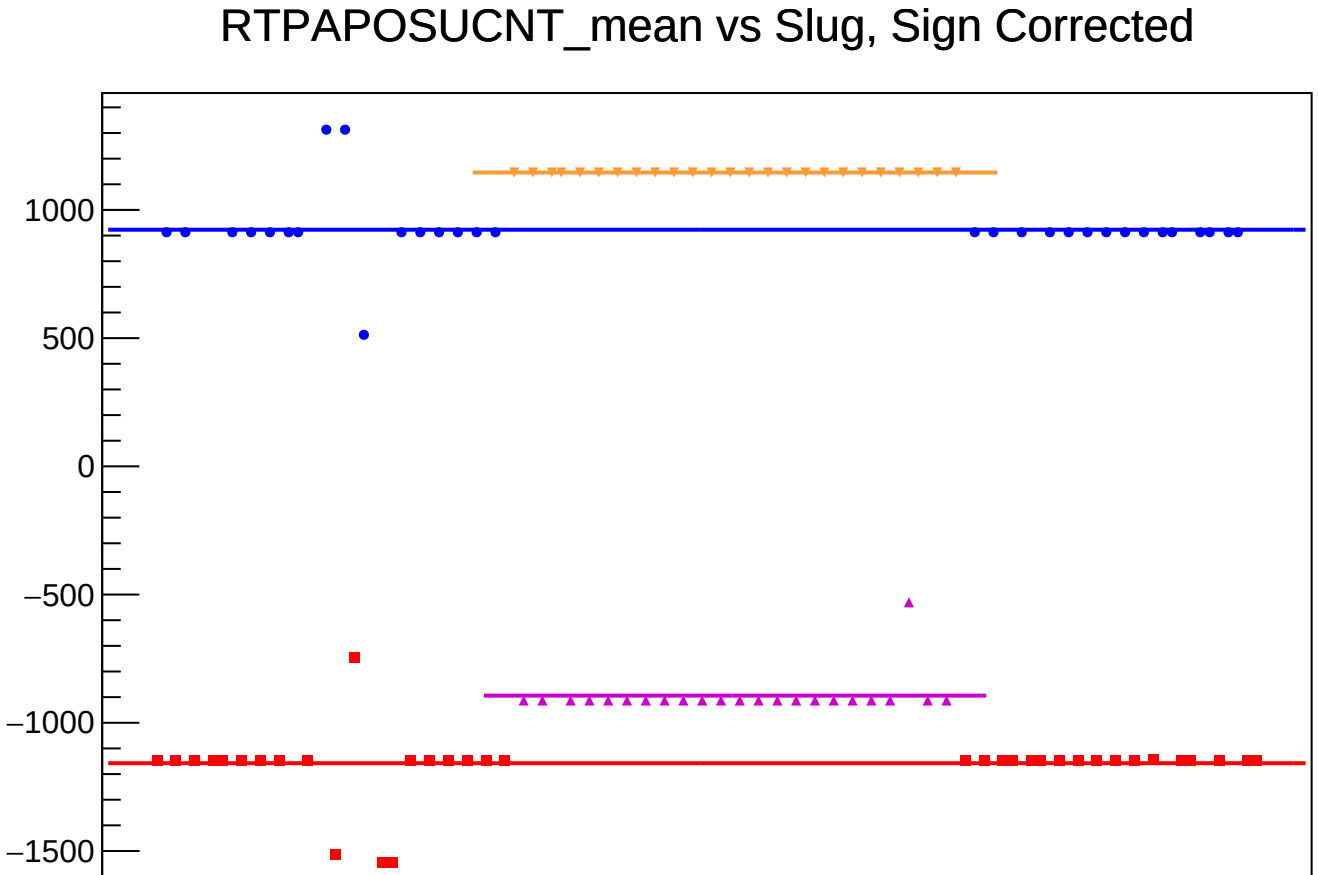
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.208+/-0.000 χ^2/NDF: 1104558424681448

In: 0.371+/-0.000 χ^2/NDF:109975492507419941

Out: -0.487+/-0.000 χ^2/NDF:10521618831385767

All: -0.074+/-0.000 χ^2/NDF: 2153371610196



Right In: 922.908+/-0.000 χ^2/NDF: 21407087023542892377535765169754341376.0/30

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720/24

Right Out: -1157.611+/-0.000 χ^2/NDF: 22661255502411717925799657435794767872.0/35

Left In: -894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137600/22

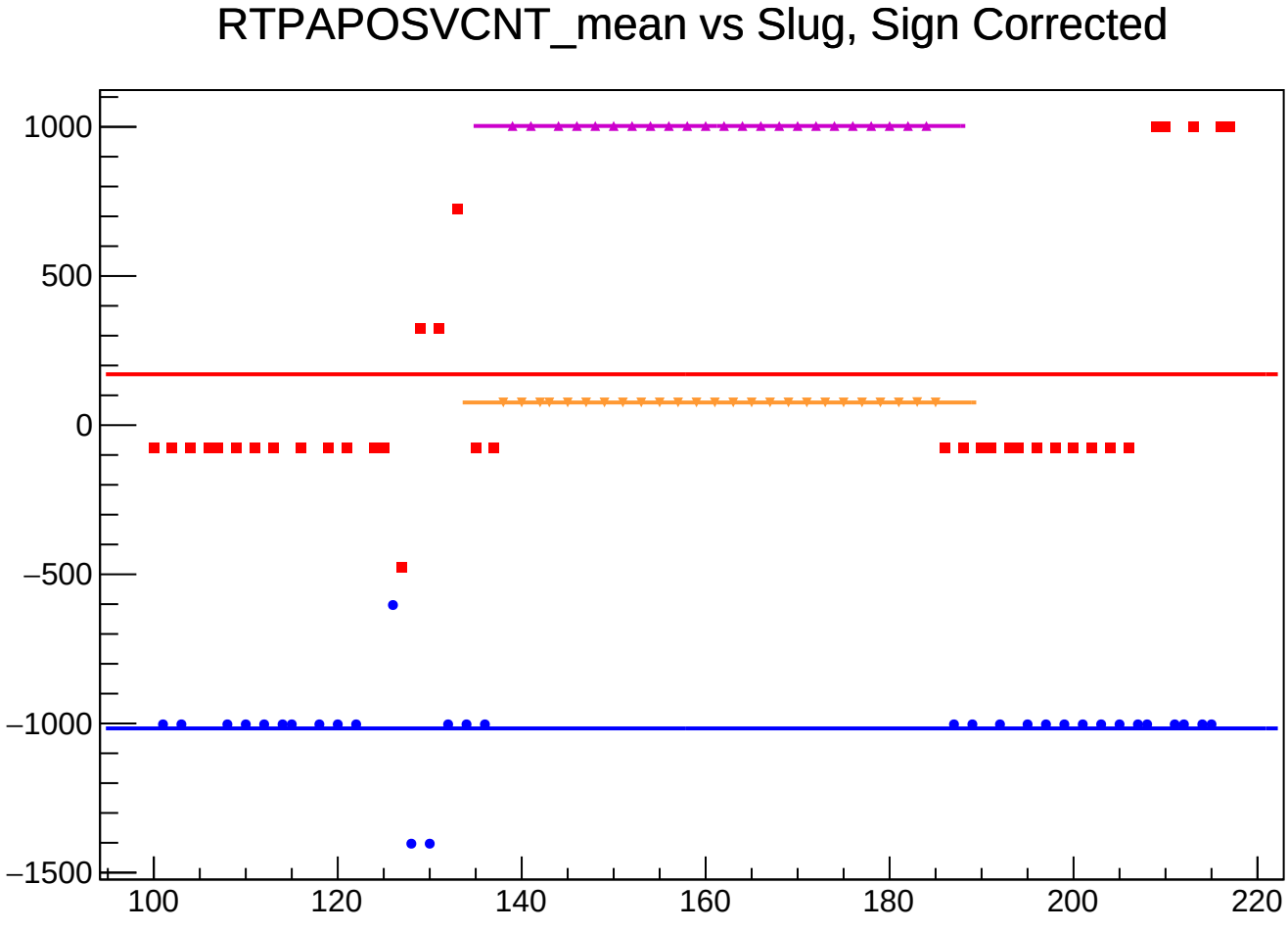
Left: 155.071+/-0.000 χ^2/NDF: 4092819151469536

Right: -153.905+/-0.000 χ^2/NDF: 447320243046468

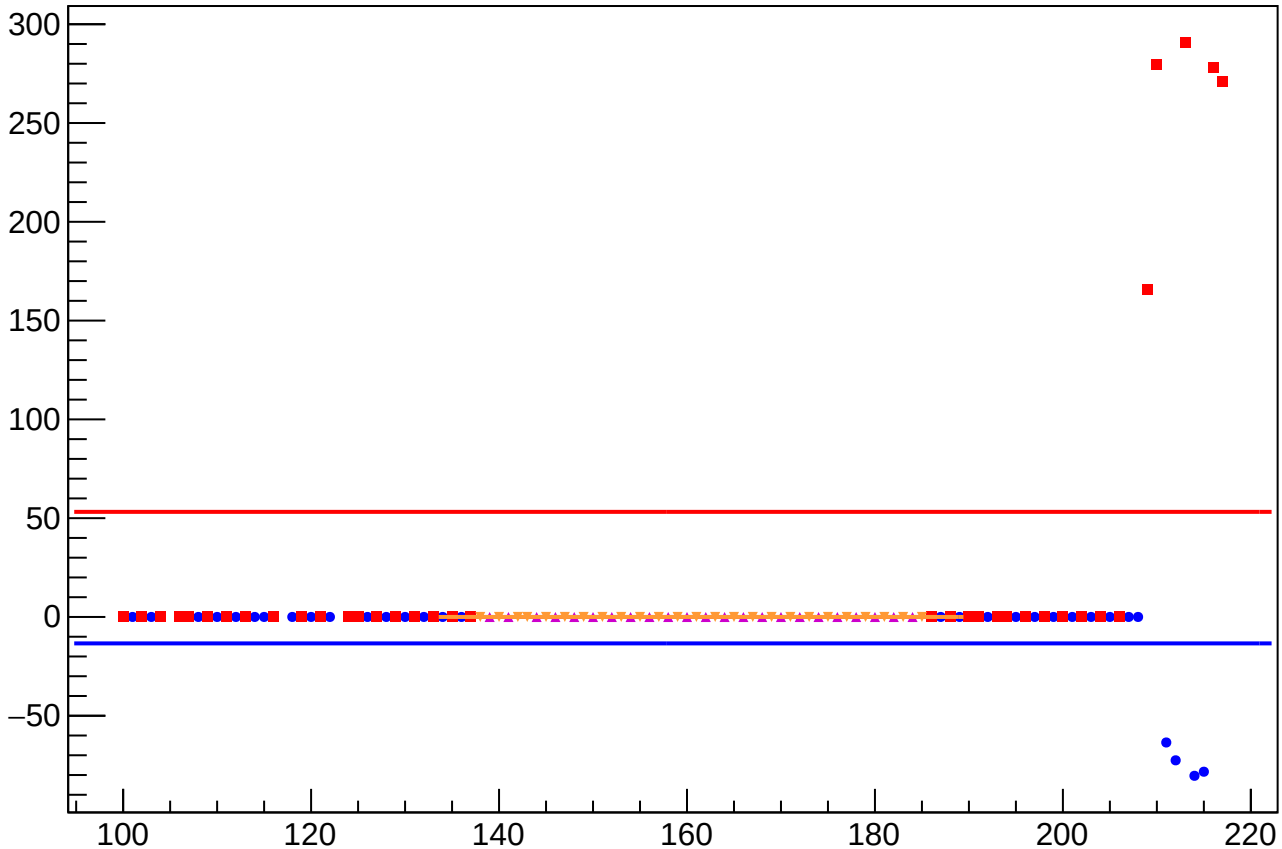
In: 31.013+/-0.000 χ^2/NDF:3238417897621447494

Out: -34.459+/-0.000 χ^2/NDF:5510383698028107

All: -2.768+/-0.000 χ^2/NDF: 8757389362734


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: -402.090+/-0.000 χ²/NDF: 189431039713431
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: -25.241+/-0.000 χ²/NDF:398137577104573081
Right Out: 170.648+/-0.000 χ²/NDF: 4286590715171679251910751148135877181440.0/35
Out: 124.527+/-0.000 χ²/NDF:437912676996227
Left In: 1002.990+/-0.000 χ²/NDF:29519559033483147530972692480.0/22
All: 52.033+/-0.000 χ²/NDF: 4464227089895

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: 53.196+/-0.000 χ^2/NDF: 23942316984004364440485493390014676992.0/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

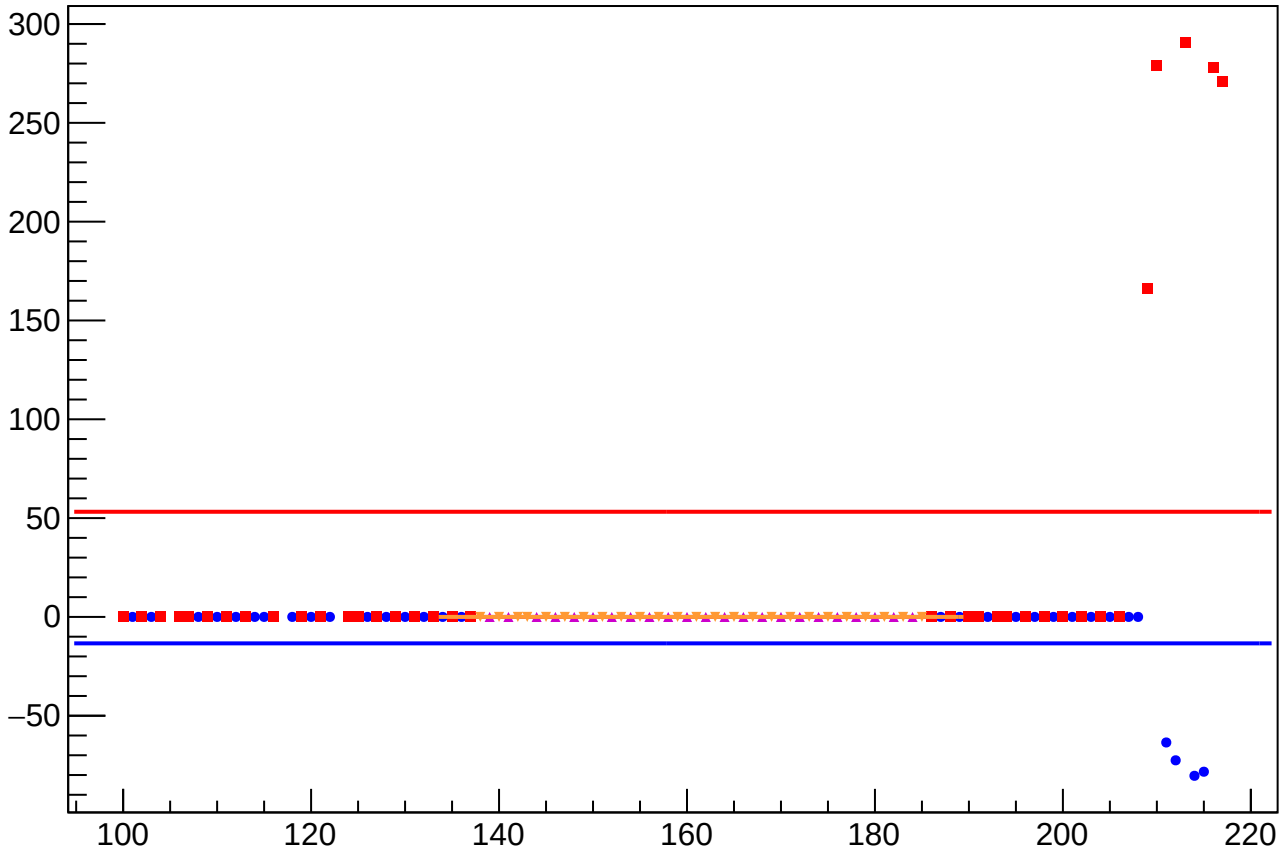
Right: 21.078+/-0.000 χ^2/NDF: 3010047523417078

In: -6.817+/-0.000 χ^2/NDF:179642188992450644

Out: 27.264+/-0.000 χ^2/NDF:26867584726440455

All: 10.768+/-0.000 χ^2/NDF: 3099103135944

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: 53.207+/-0.000 χ^2/NDF: 23942943798077858326631314950759383040.0/35

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

Right: 21.084+/-0.000 χ^2/NDF: 3010269330033661

In: -6.817+/-0.000 χ^2/NDF:179642188992450644

Out: 27.270+/-0.000 χ^2/NDF:26869496319665985

All: 10.771+/-0.000 χ^2/NDF: 3099376026630