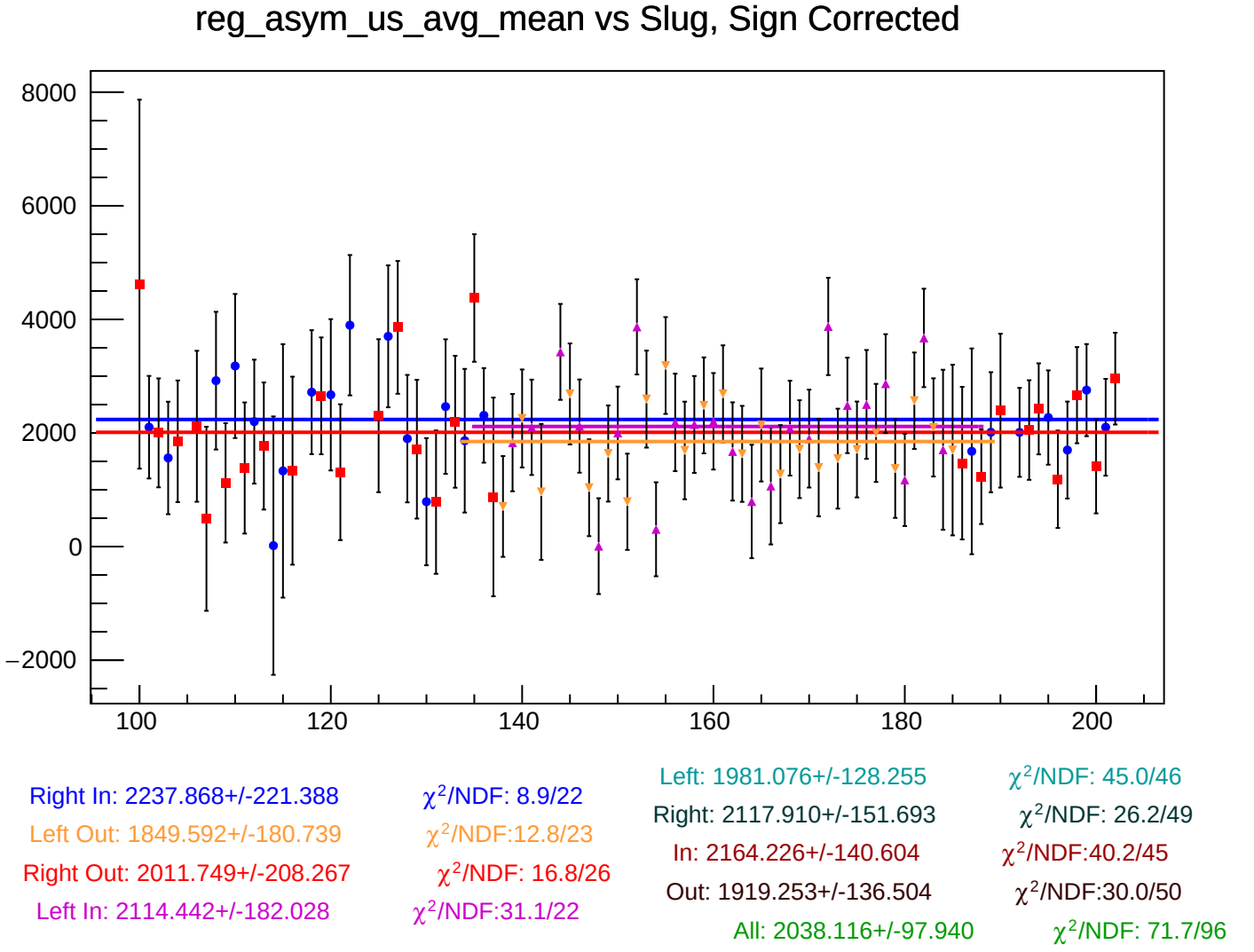
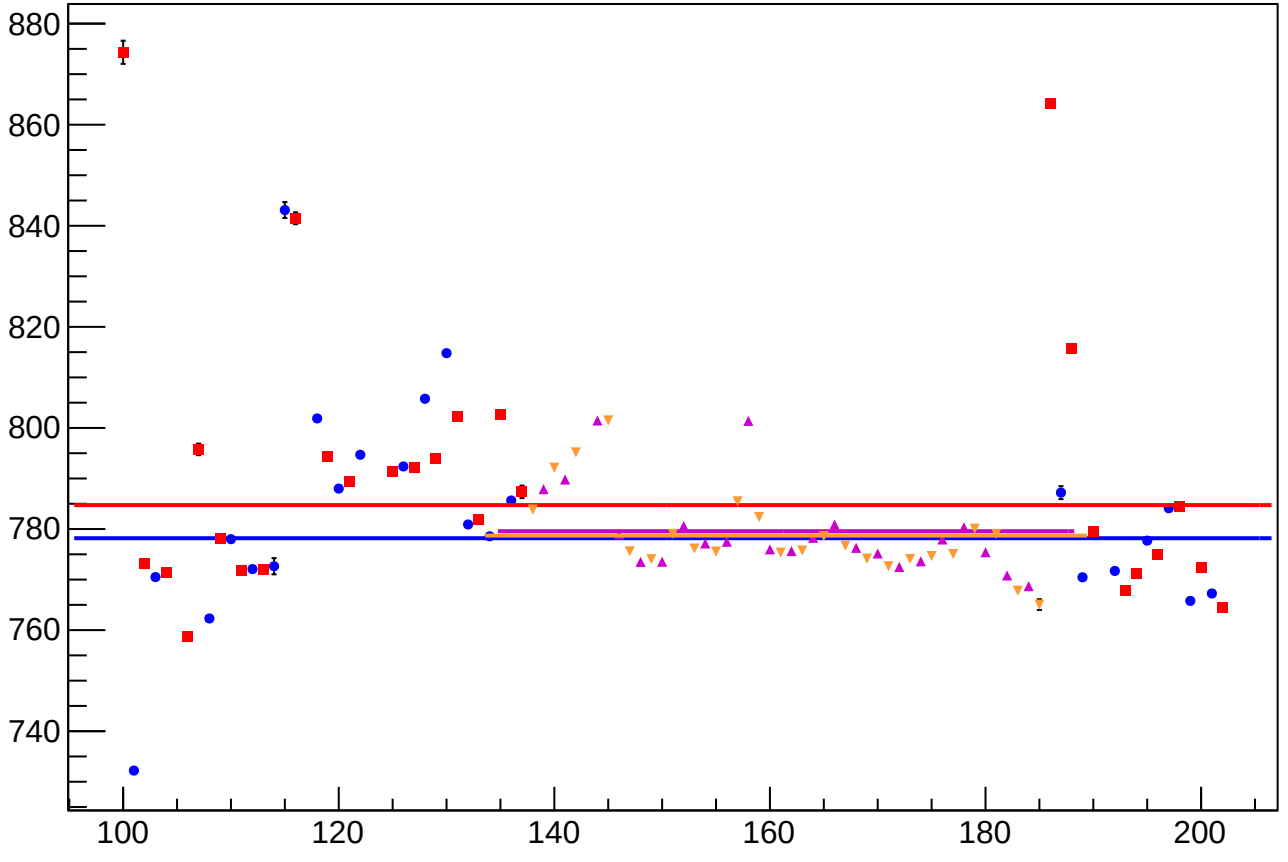

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2237.868+/-221.388
χ²/NDF: 8.9/22
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2011.749+/-208.267
χ²/NDF: 16.8/26
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2117.910+/-151.693
χ²/NDF: 26.2/49
In: 2164.226+/-140.604
χ²/NDF:40.2/45
Out: 1919.253+/-136.504
χ²/NDF:30.0/50
All: 2038.116+/-97.940
χ²/NDF: 71.7/96

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 778.182+/-0.157 χ^2/NDF: 13791.9/22

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

Right Out: 784.737+/-0.147 χ^2/NDF: 20373.4/26

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

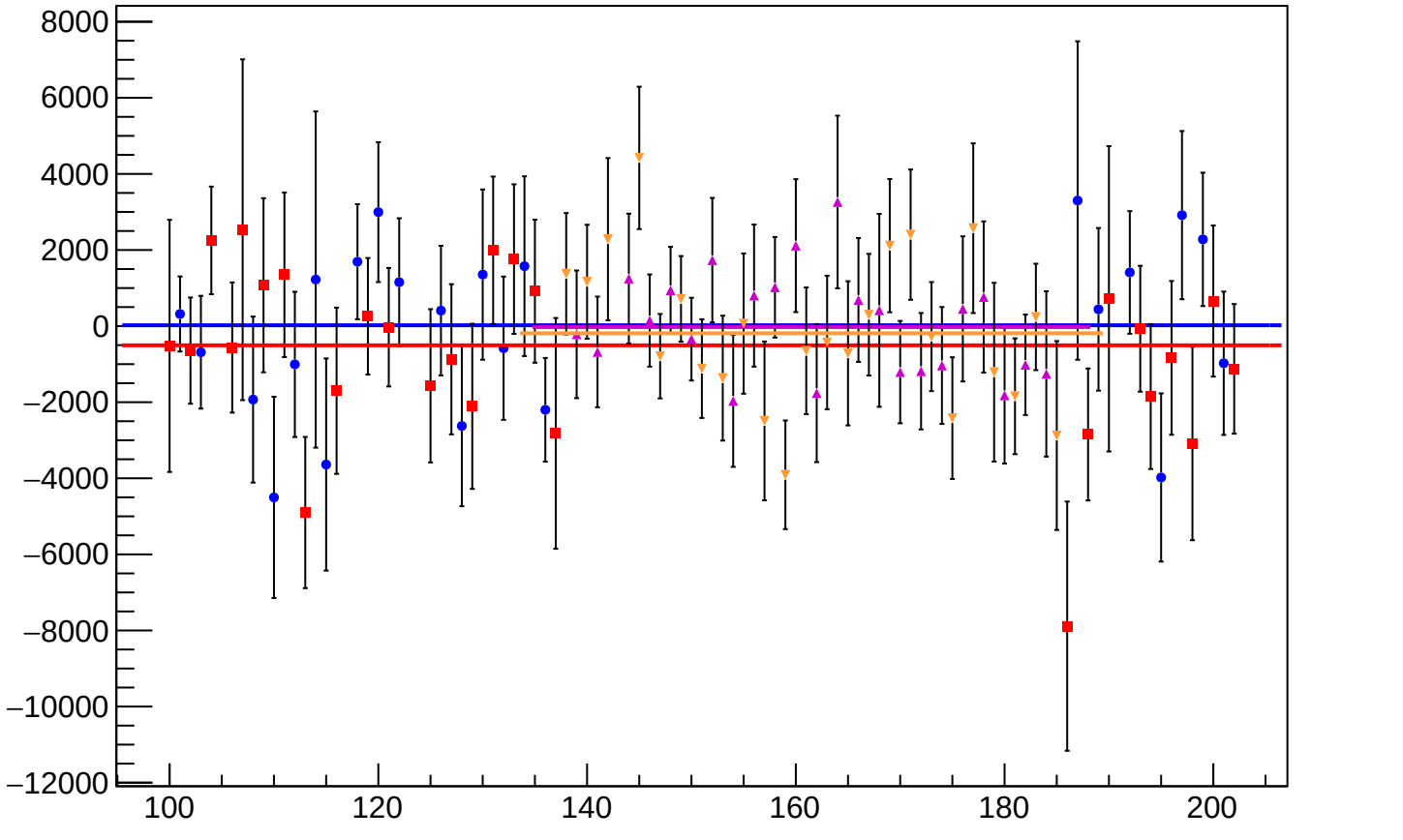
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 781.660+/-0.107 χ^2/NDF: 35095.5/49

In: 779.013+/-0.099 χ^2/NDF:18012.0/45

Out: 781.298+/-0.097 χ^2/NDF:24719.1/50

All: 780.189+/-0.069 χ^2/NDF: 43003.1/96



Right In: 22.228+/-382.785 χ^2/NDF: 23.9/22

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

Right Out: -505.129+/-379.012 χ^2/NDF: 25.1/26

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

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

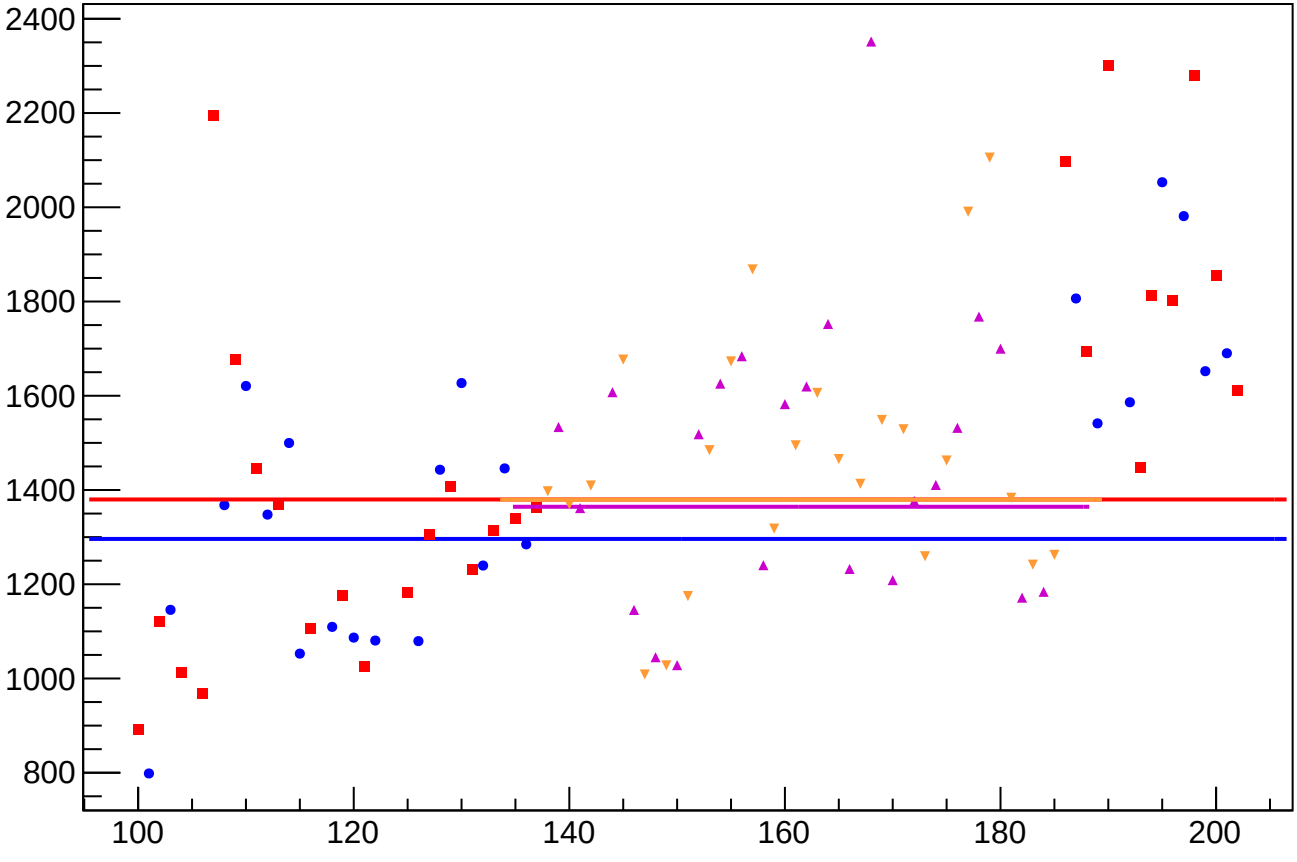
Right: -244.063+/-269.326 χ^2/NDF: 50.0/49

In: -4.434+/-248.105 χ^2/NDF:37.4/45

Out: -324.223+/-247.880 χ^2/NDF:55.1/50

All: -164.474+/-175.357 χ^2/NDF: 93.3/96

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1296.158+/-0.271 χ^2/NDF: 1486158.5/22

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

Right Out: 1379.901+/-0.268 χ^2/NDF: 1535674.4/26

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

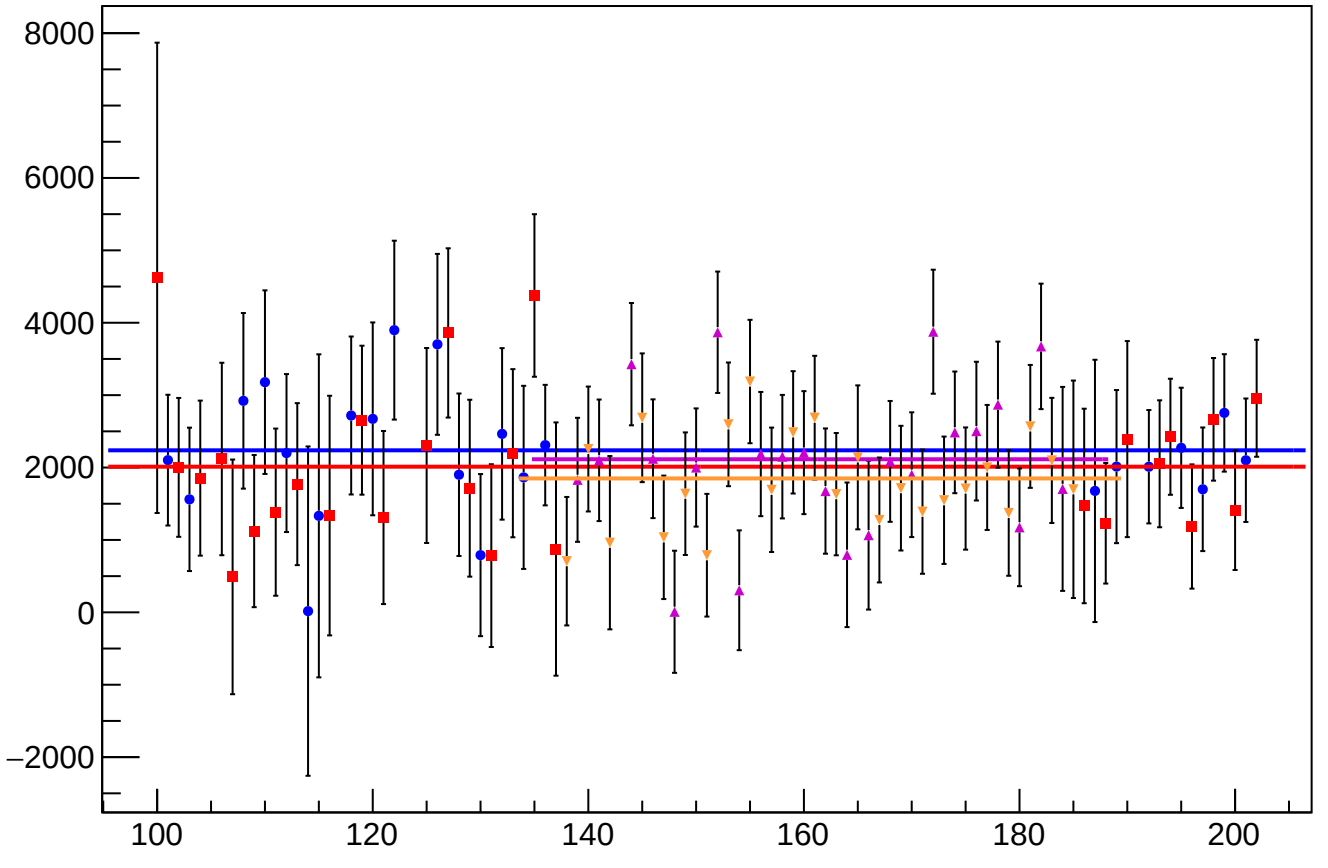
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1338.444+/-0.190 χ^2/NDF: 3070168.3/49

In: 1335.738+/-0.175 χ^2/NDF:2835331.8/45

Out: 1379.692+/-0.175 χ^2/NDF:2694143.9/50

All: 1357.735+/-0.124 χ^2/NDF: 5560889.9/96



Right In: 2237.868+/-221.388 χ^2/NDF: 8.9/22

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

Right Out: 2011.749+/-208.267 χ^2/NDF: 16.8/26

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

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

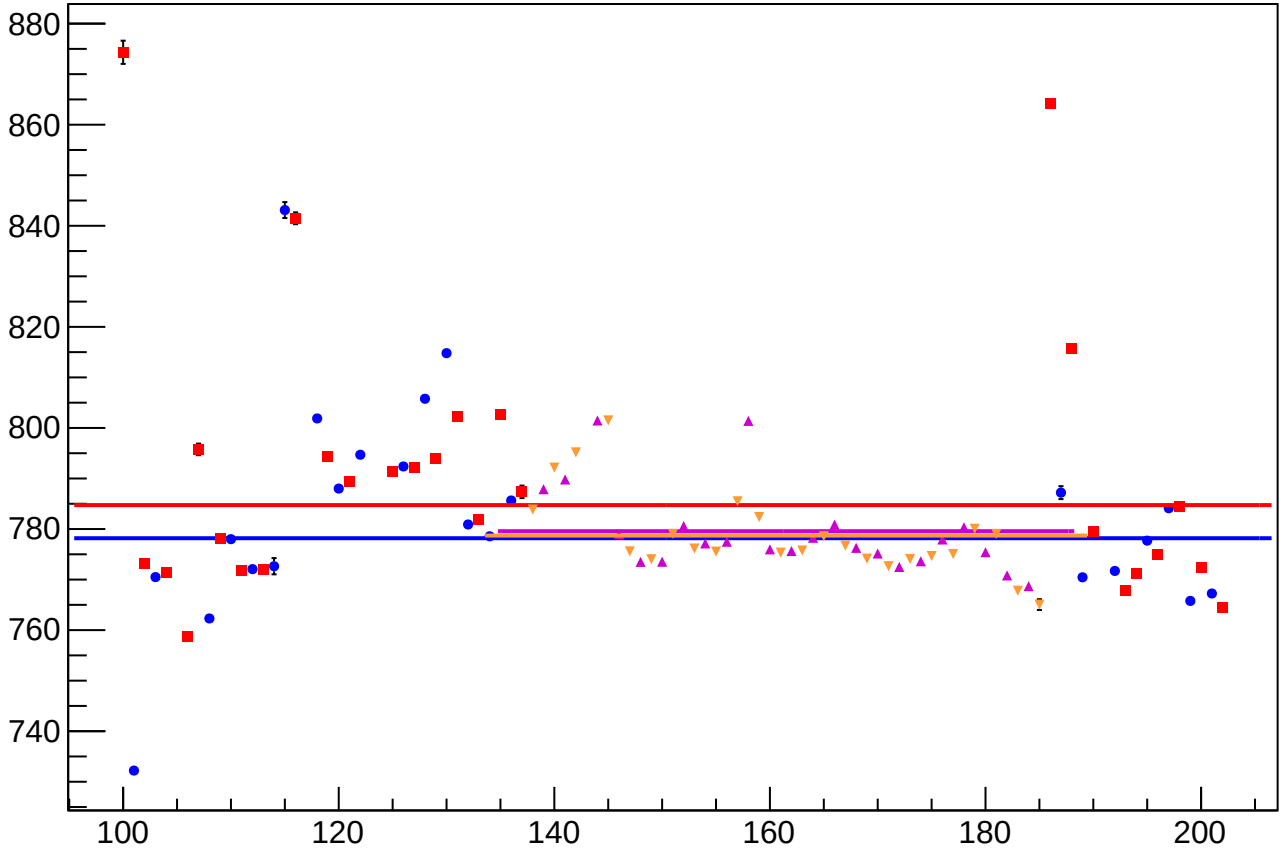
Right: 2117.910+/-151.693 χ^2/NDF: 26.2/49

In: 2164.226+/-140.604 χ^2/NDF:40.2/45

Out: 1919.253+/-136.504 χ^2/NDF:30.0/50

All: 2038.116+/-97.940 χ^2/NDF: 71.7/96

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 778.182+/-0.157 χ^2/NDF: 13791.9/22

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

Right Out: 784.737+/-0.147 χ^2/NDF: 20373.4/26

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

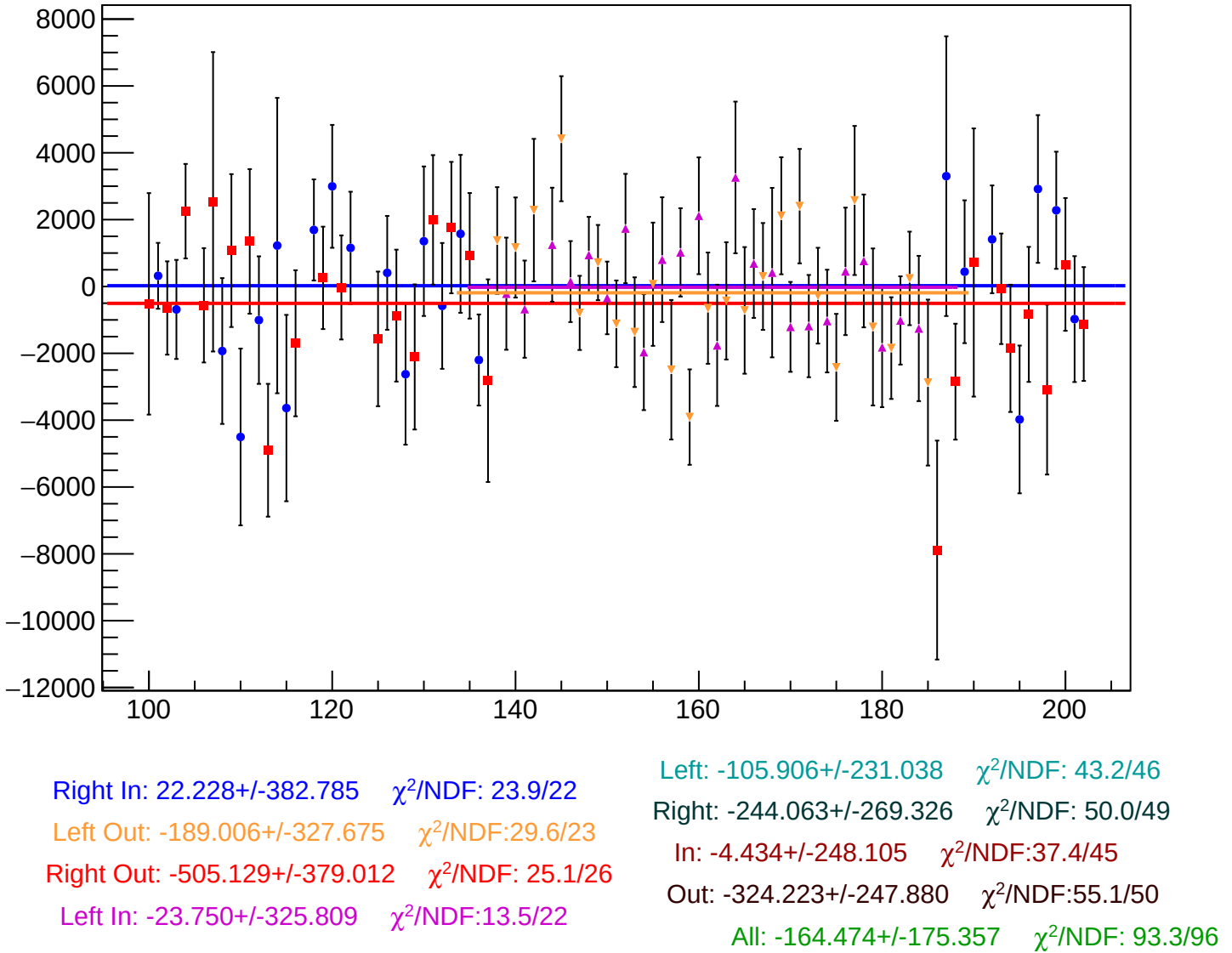
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 781.660+/-0.107 χ^2/NDF: 35095.5/49

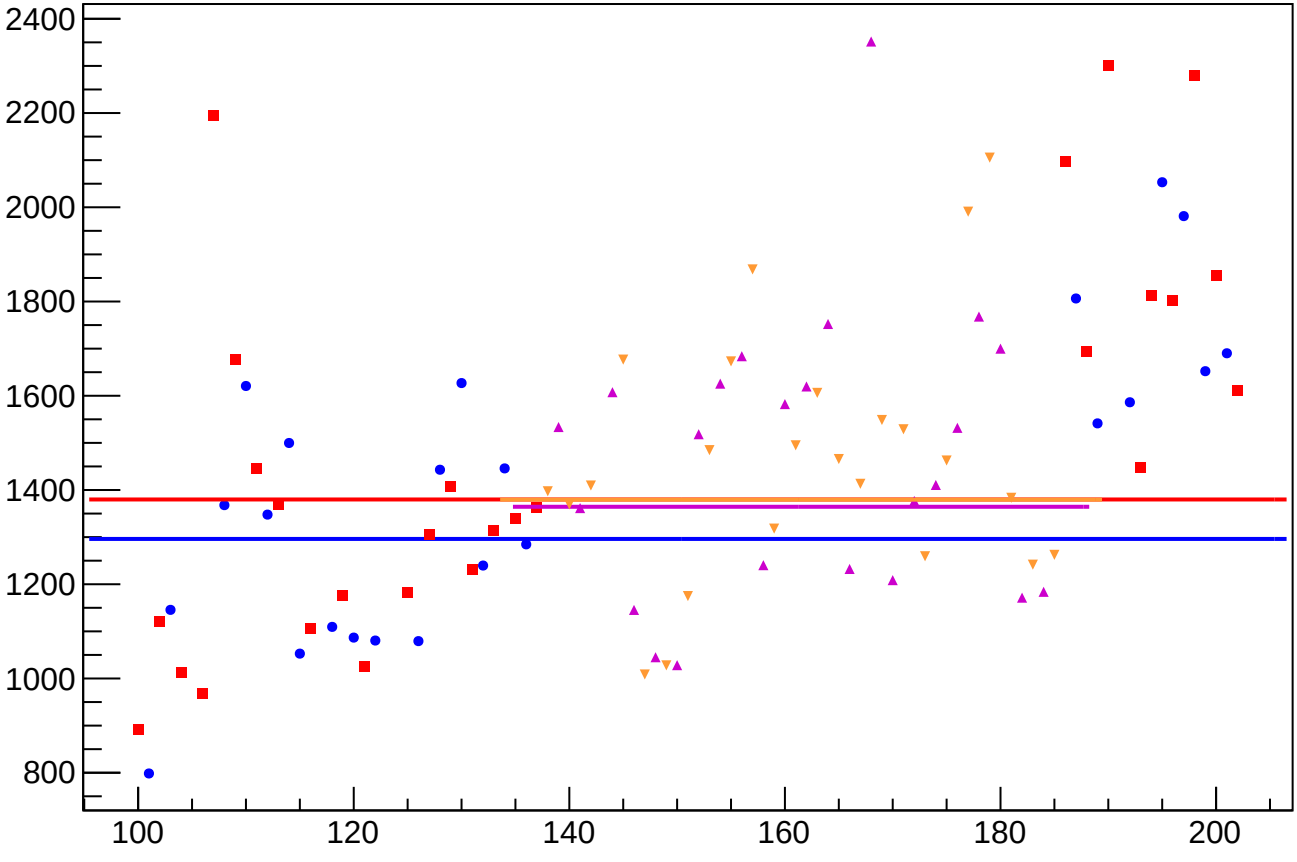
In: 779.013+/-0.099 χ^2/NDF:18012.0/45

Out: 781.298+/-0.097 χ^2/NDF:24719.1/50

All: 780.189+/-0.069 χ^2/NDF: 43003.1/96


asym_us_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 22.228+/-382.785 χ²/NDF: 23.9/22
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -505.129+/-379.012 χ²/NDF: 25.1/26
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -244.063+/-269.326 χ²/NDF: 50.0/49
In: -4.434+/-248.105 χ²/NDF:37.4/45
Out: -324.223+/-247.880 χ²/NDF:55.1/50
All: -164.474+/-175.357 χ²/NDF: 93.3/96

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1296.158+/-0.271 χ^2/NDF: 1486158.5/22

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

Right Out: 1379.901+/-0.268 χ^2/NDF: 1535674.4/26

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

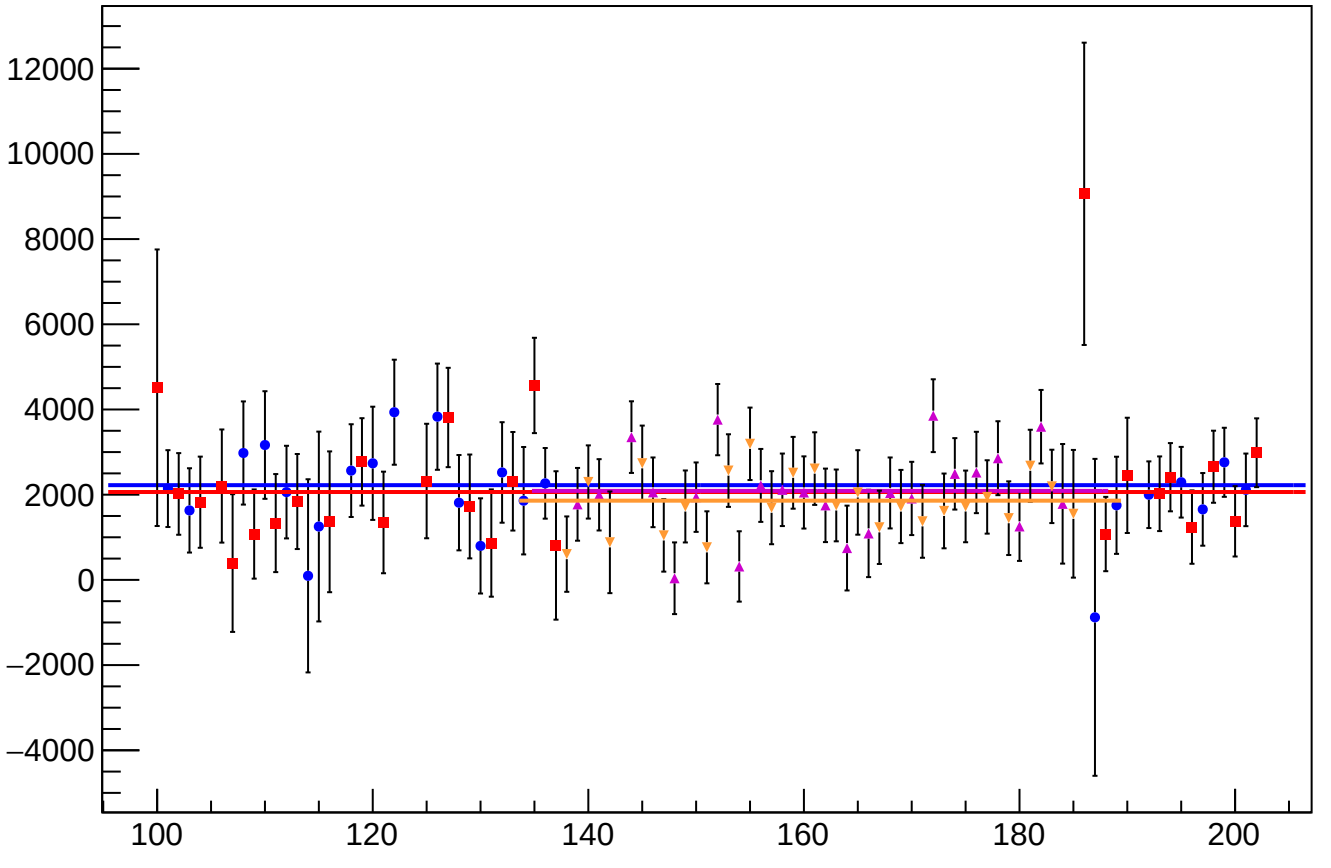
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1338.444+/-0.190 χ^2/NDF: 3070168.3/49

In: 1335.738+/-0.175 χ^2/NDF:2835331.8/45

Out: 1379.692+/-0.175 χ^2/NDF:2694143.9/50

All: 1357.735+/-0.124 χ^2/NDF: 5560889.9/96



Right In: 2223.462+/-222.957 χ^2/NDF: 10.0/22

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

Right Out: 2062.749+/-210.756 χ^2/NDF: 21.7/26

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

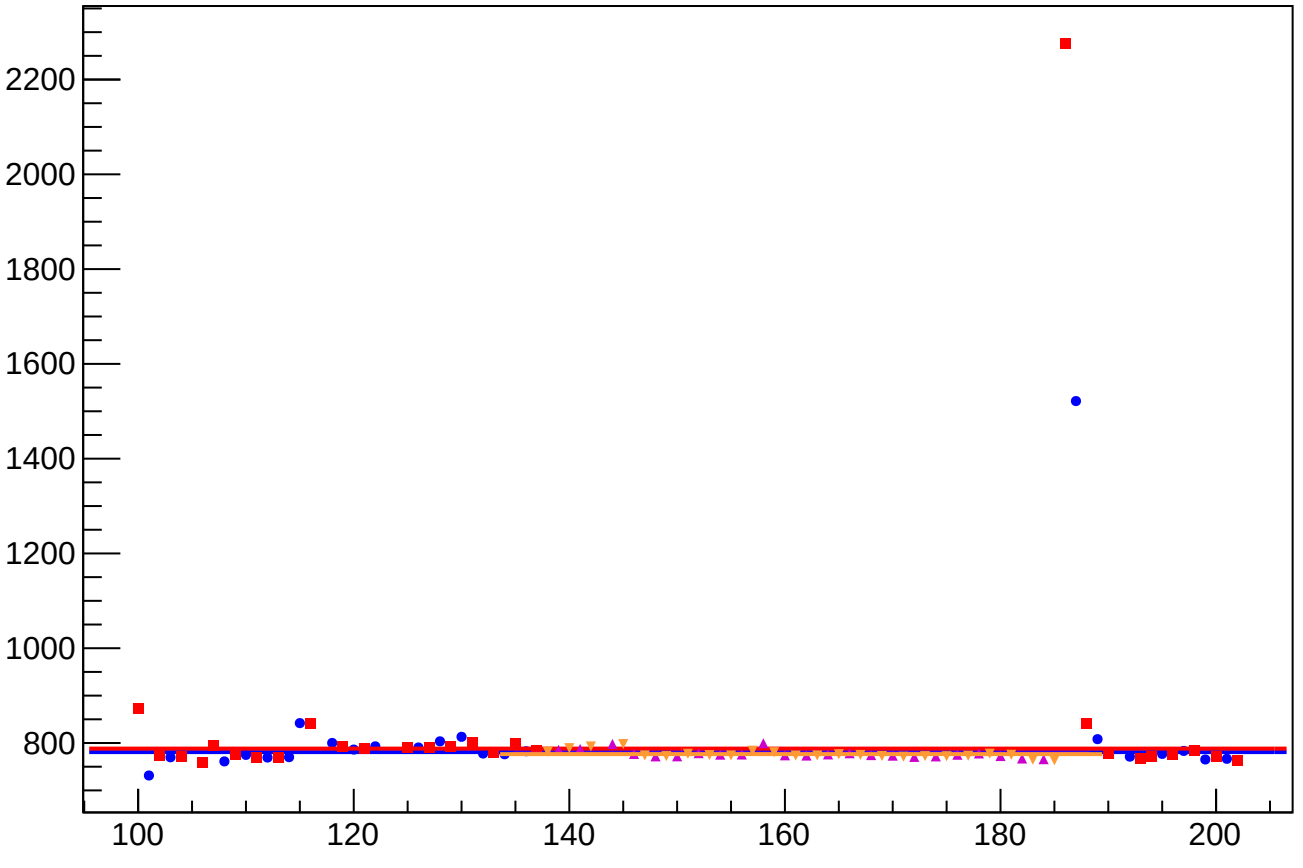
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2138.588+/-153.159 χ^2/NDF: 32.0/49

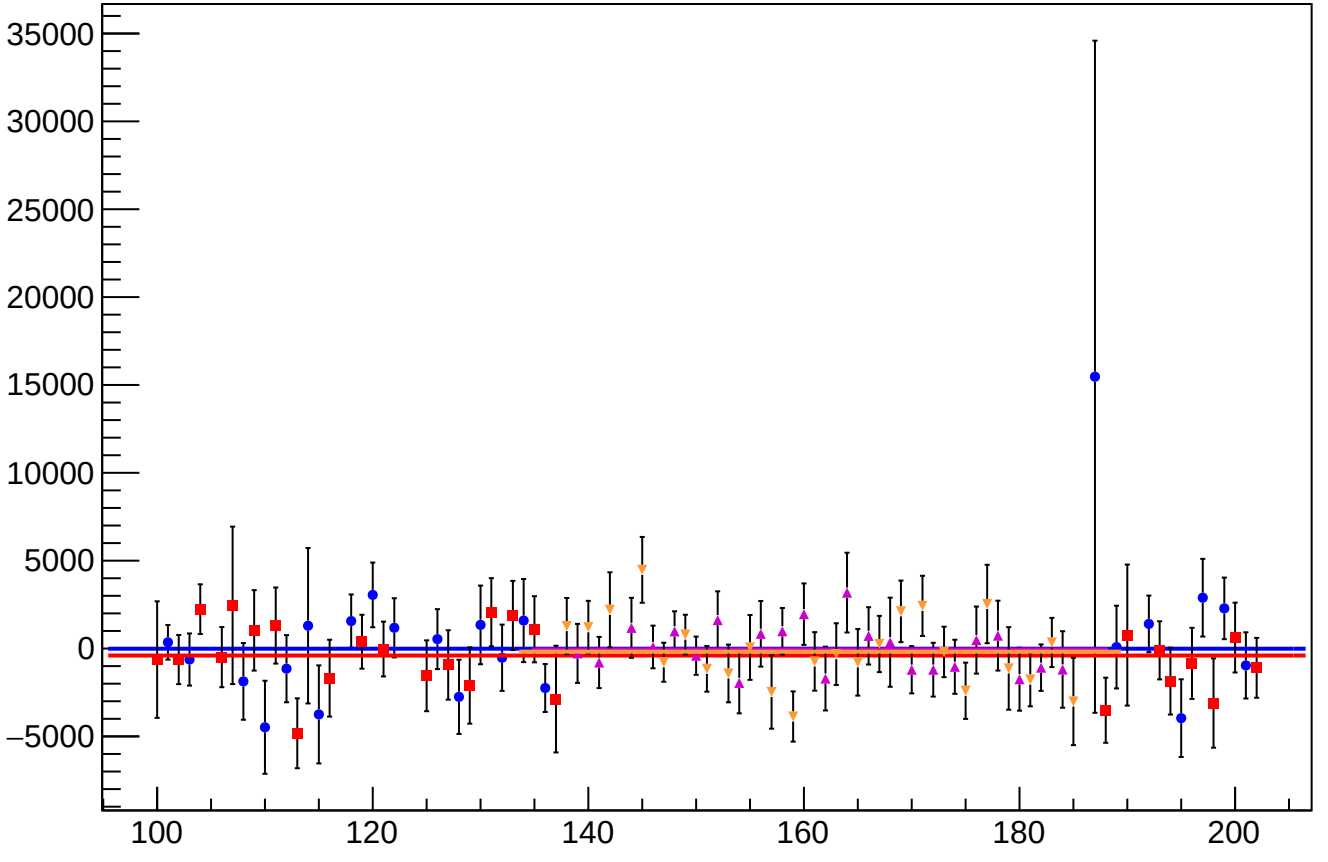
In: 2142.896+/-140.768 χ^2/NDF:39.9/45

Out: 1945.369+/-136.975 χ^2/NDF:35.8/50

All: 2041.436+/-98.170 χ^2/NDF: 76.6/96


overload_cor_asym_us_avg_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 780.830+/-0.158 χ²/NDF: 94198.6/22
Left Out: 776.523+/-0.127 χ²/NDF:3137.1/23
Right Out: 788.192+/-0.149 χ²/NDF: 371778.1/26
Left In: 777.413+/-0.128 χ²/NDF:4062.1/22
Left: 776.965+/-0.090 χ²/NDF: 7223.5/46
Right: 784.718+/-0.108 χ²/NDF: 467128.3/49
In: 778.775+/-0.100 χ²/NDF:98543.3/45
Out: 781.452+/-0.097 χ²/NDF:378456.5/50
All: 780.150+/-0.069 χ²/NDF: 477371.3/96

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -9.871+/-385.726 χ^2/NDF: 24.2/22

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

Right Out: -397.636+/-382.992 χ^2/NDF: 21.0/25

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

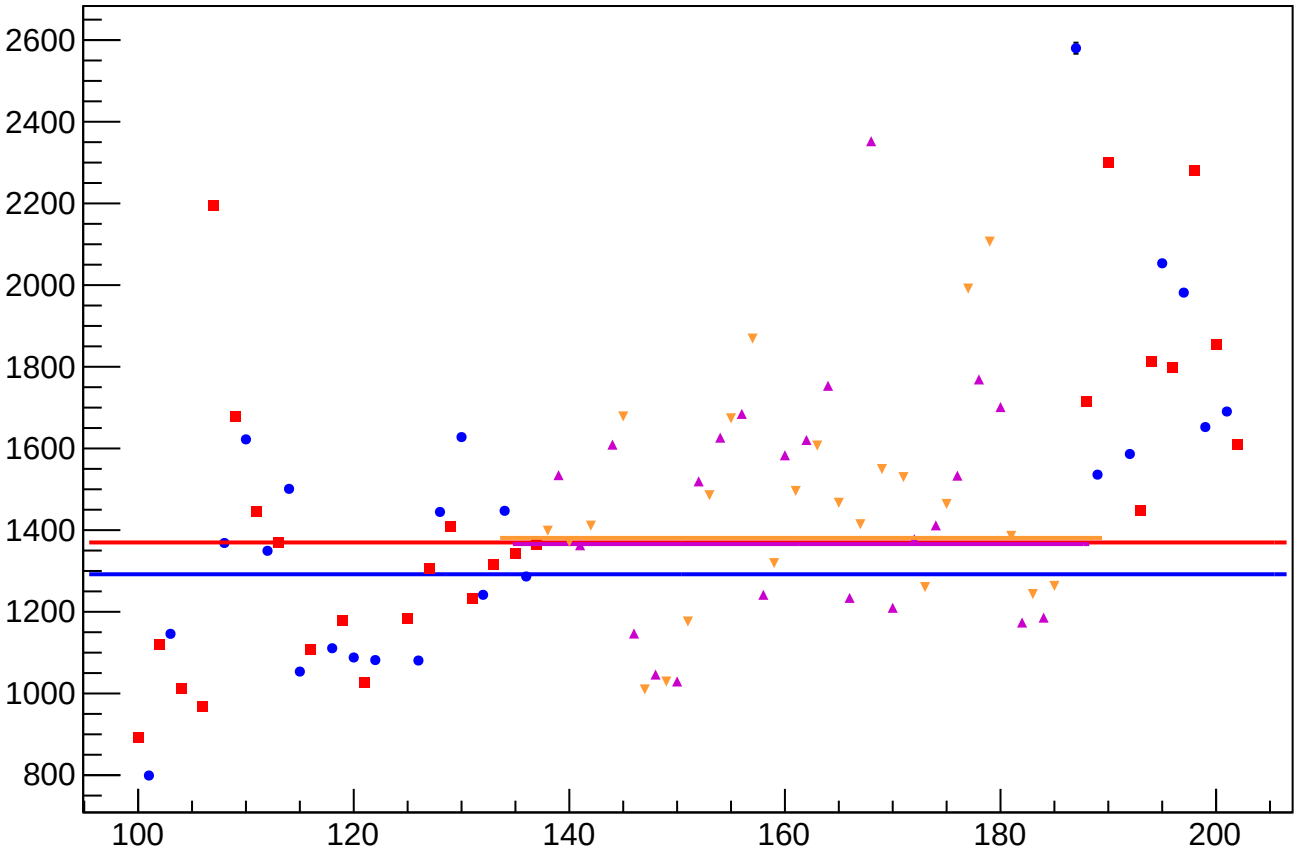
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

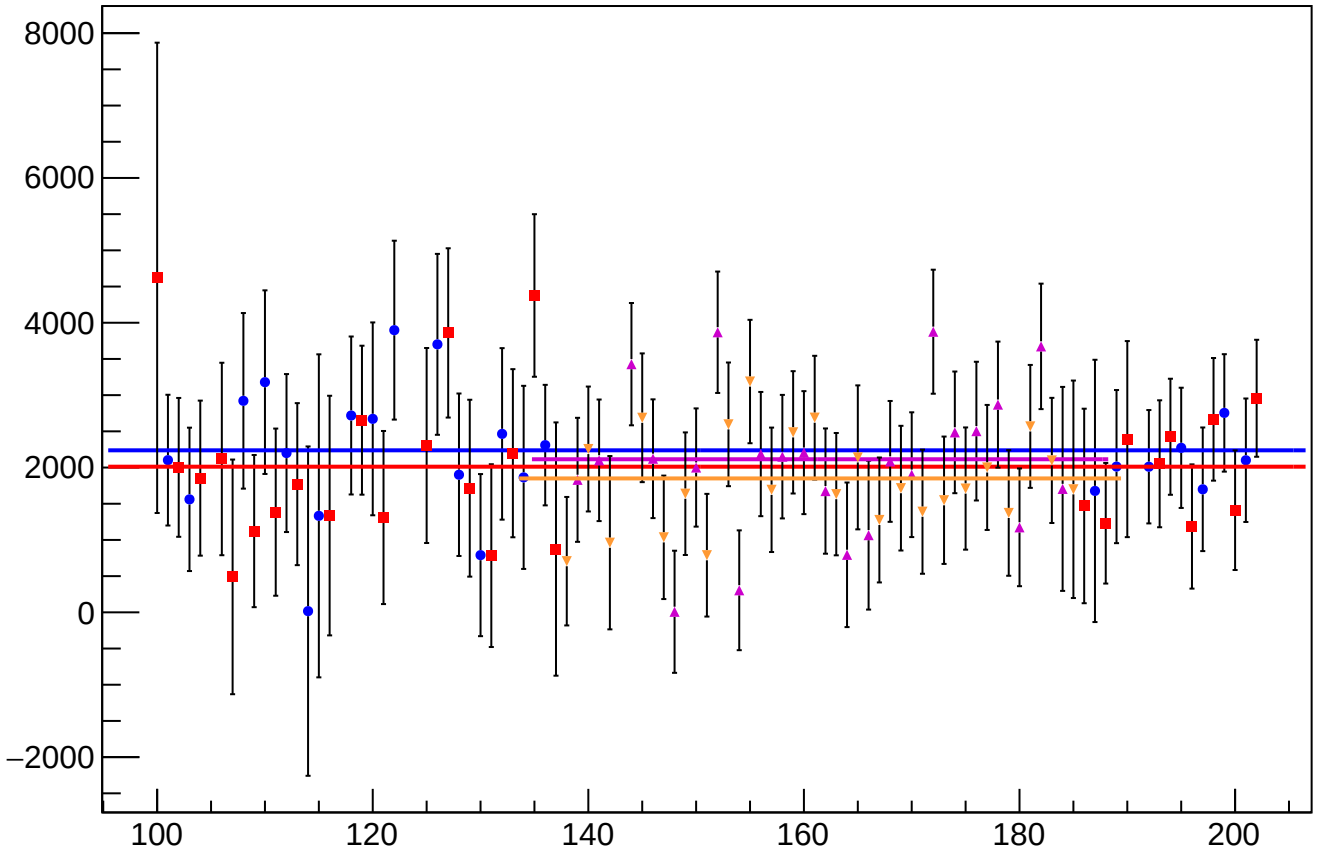
Right: -205.133+/-271.778 χ^2/NDF: 45.6/48

In: -34.917+/-249.041 χ^2/NDF:37.1/45

Out: -269.158+/-249.122 χ^2/NDF:50.8/49

All: -152.000+/-176.127 χ^2/NDF: 88.3/95


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1291.942+/-0.273 χ²/NDF: 1456355.7/22
Left Out: 1380.952+/-0.232 χ²/NDF:1155437.6/23
Right Out: 1369.826+/-0.271 χ²/NDF: 1431873.4/25
Left In: 1365.811+/-0.231 χ²/NDF:1308862.5/22
Left: 1373.338+/-0.164 χ²/NDF: 2466443.3/46
Right: 1331.161+/-0.192 χ²/NDF: 2929288.5/48
In: 1335.019+/-0.176 χ²/NDF:2807991.2/45
Out: 1376.245+/-0.176 χ²/NDF:2588284.7/49
All: 1355.625+/-0.125 χ²/NDF: 5423670.2/95



Right In: 2237.868+/-221.388 χ^2/NDF: 8.9/22

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

Right Out: 2011.749+/-208.267 χ^2/NDF: 16.8/26

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

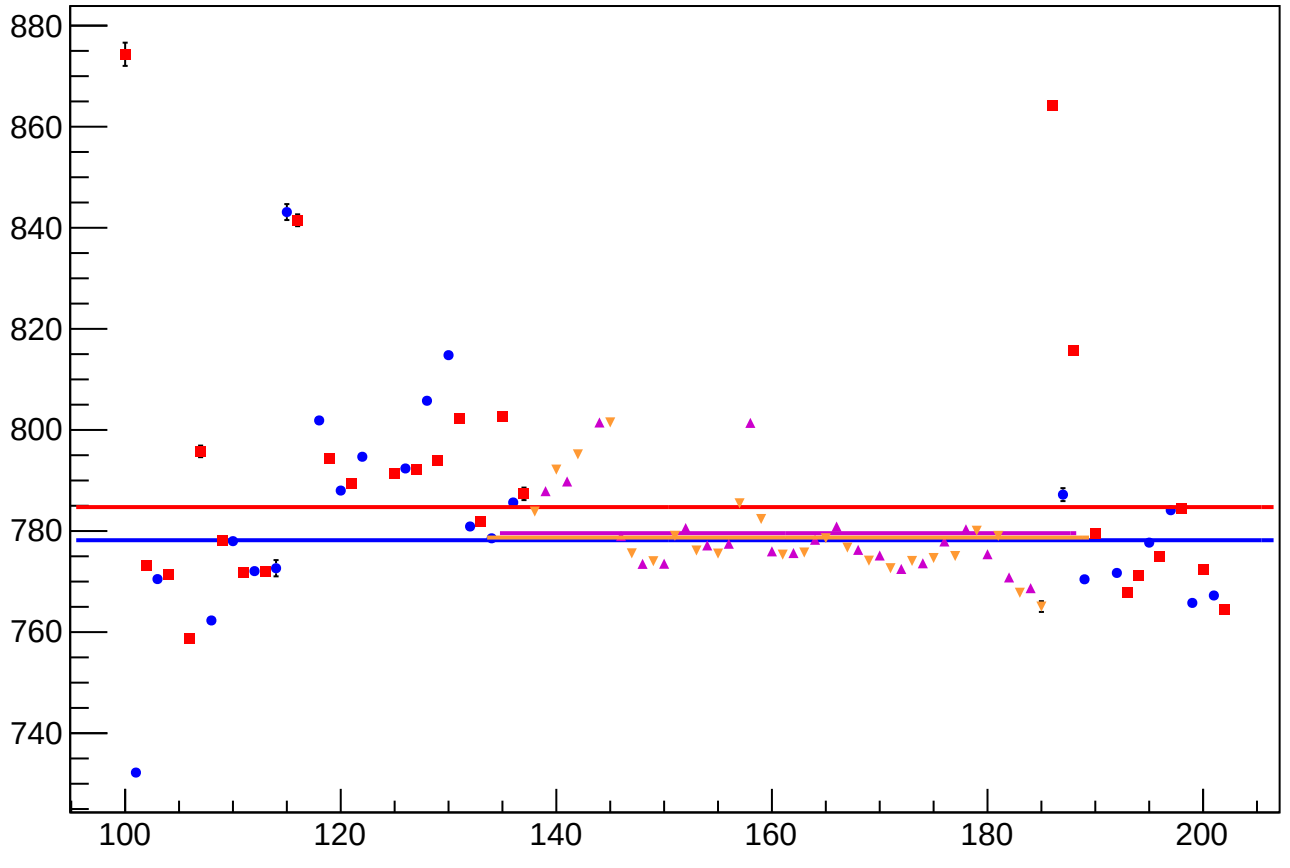
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2117.910+/-151.693 χ^2/NDF: 26.2/49

In: 2164.226+/-140.604 χ^2/NDF:40.2/45

Out: 1919.253+/-136.504 χ^2/NDF:30.0/50

All: 2038.116+/-97.940 χ^2/NDF: 71.7/96



Right In: 778.182+/-0.157 χ^2/NDF: 13791.9/22

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

Right Out: 784.737+/-0.147 χ^2/NDF: 20373.4/26

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

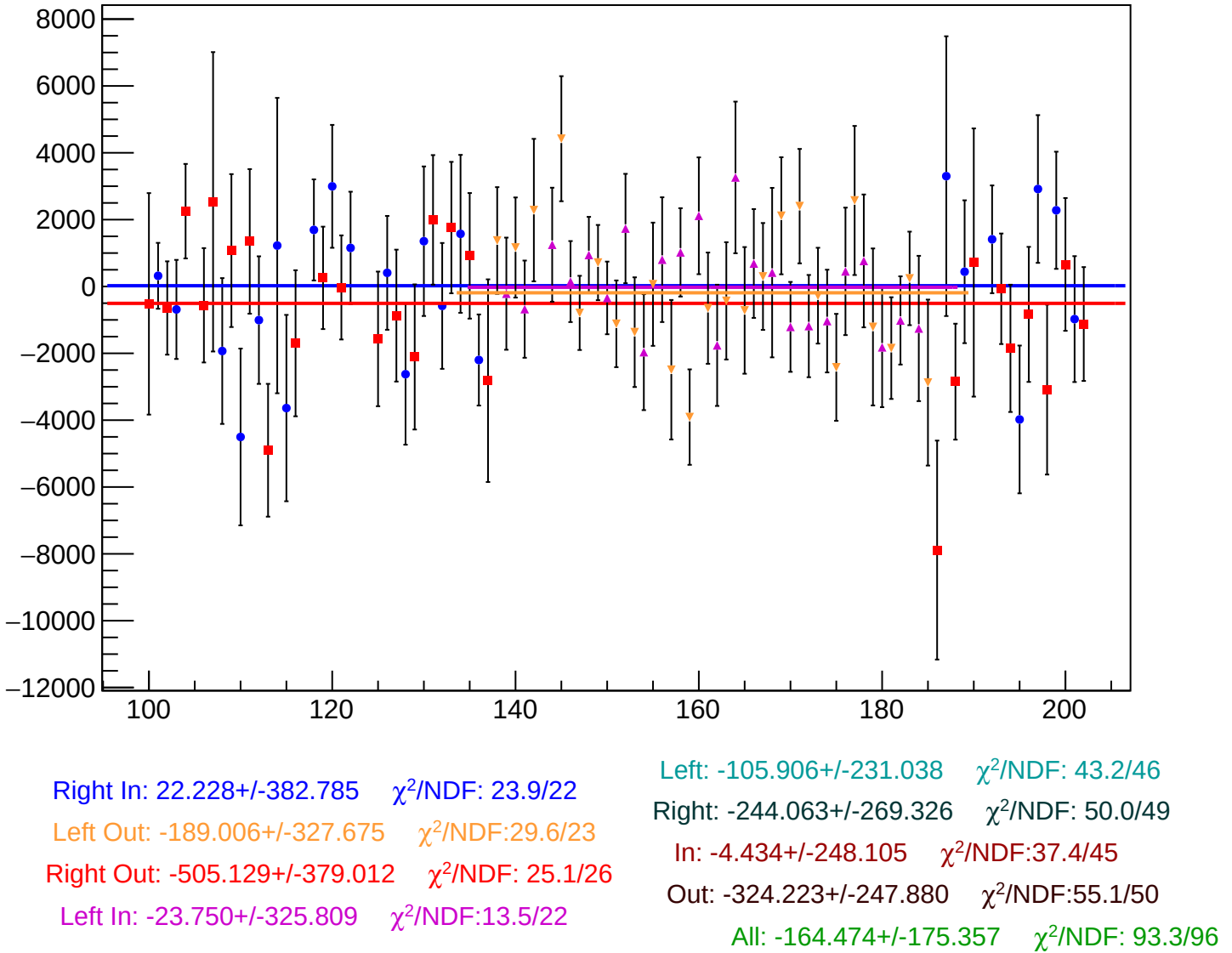
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

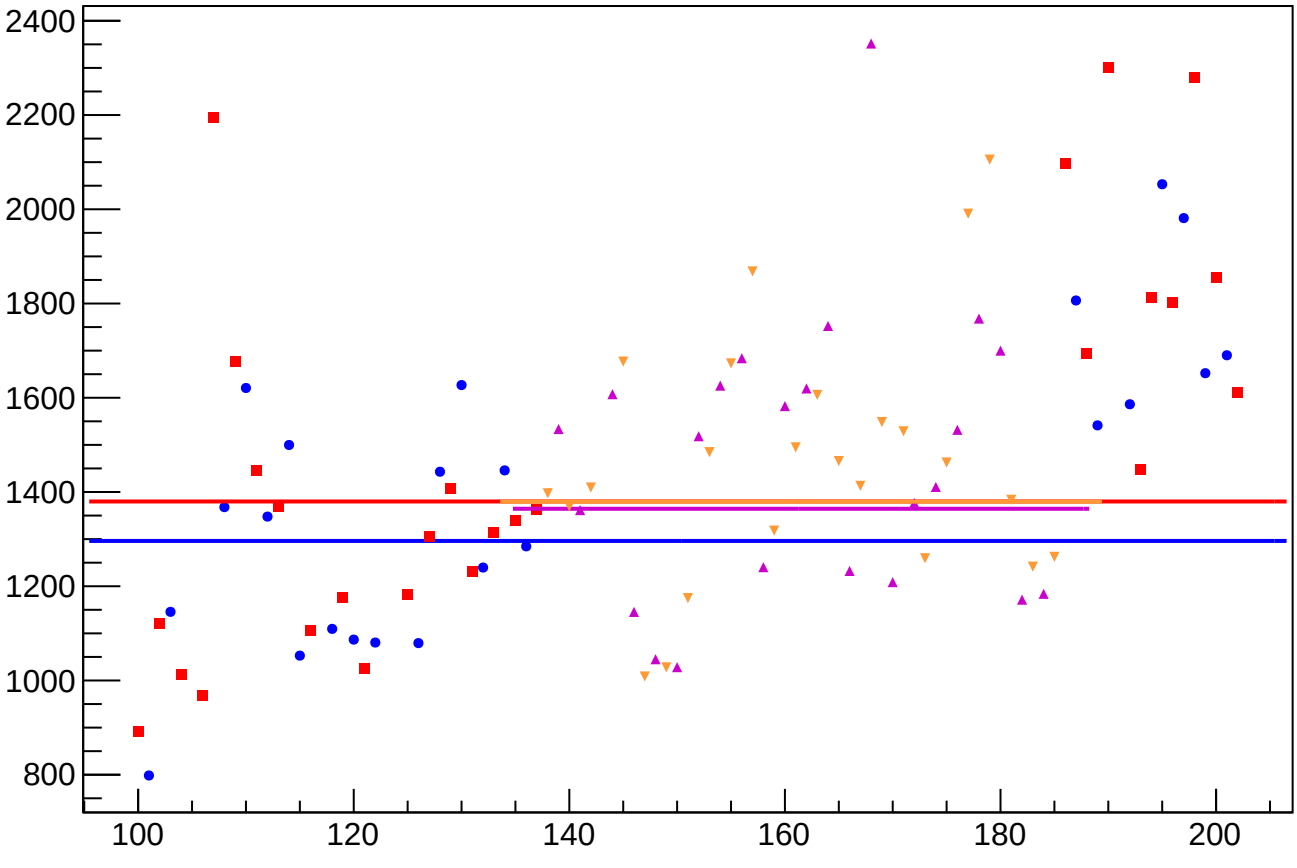
Right: 781.660+/-0.107 χ^2/NDF: 35095.5/49

In: 779.013+/-0.099 χ^2/NDF:18012.0/45

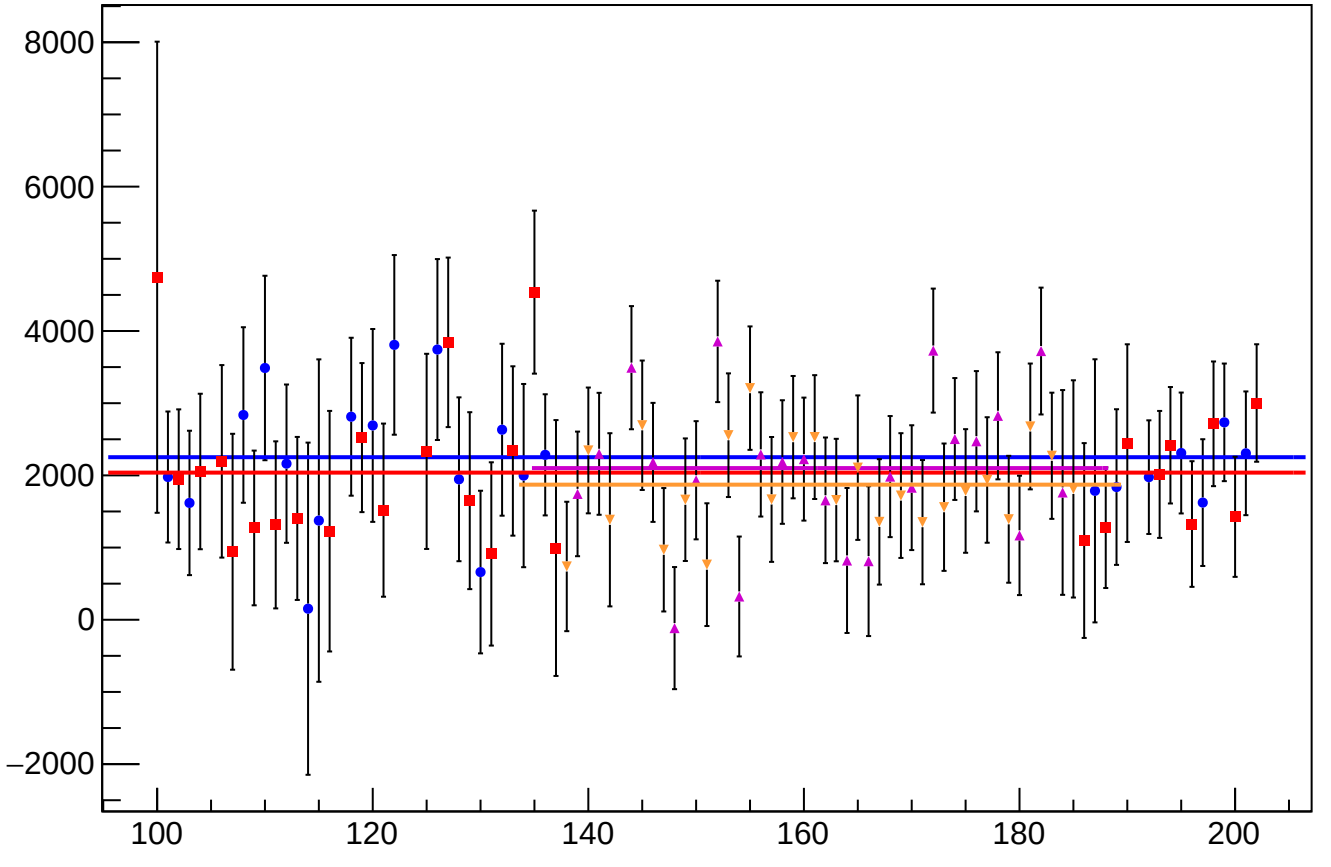
Out: 781.298+/-0.097 χ^2/NDF:24719.1/50

All: 780.189+/-0.069 χ^2/NDF: 43003.1/96


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 22.228+/-382.785 χ²/NDF: 23.9/22
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -505.129+/-379.012 χ²/NDF: 25.1/26
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -244.063+/-269.326 χ²/NDF: 50.0/49
In: -4.434+/-248.105 χ²/NDF:37.4/45
Out: -324.223+/-247.880 χ²/NDF:55.1/50
All: -164.474+/-175.357 χ²/NDF: 93.3/96


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1296.158+/-0.271 χ²/NDF: 1486158.5/22
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1379.901+/-0.268 χ²/NDF: 1535674.4/26
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1338.444+/-0.190 χ²/NDF: 3070168.3/49
In: 1335.738+/-0.175 χ²/NDF:2835331.8/45
Out: 1379.692+/-0.175 χ²/NDF:2694143.9/50
All: 1357.735+/-0.124 χ²/NDF: 5560889.9/96

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2251.816+/-223.153 χ^2/NDF: 9.4/22

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

Right Out: 2038.216+/-209.859 χ^2/NDF: 16.5/26

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

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

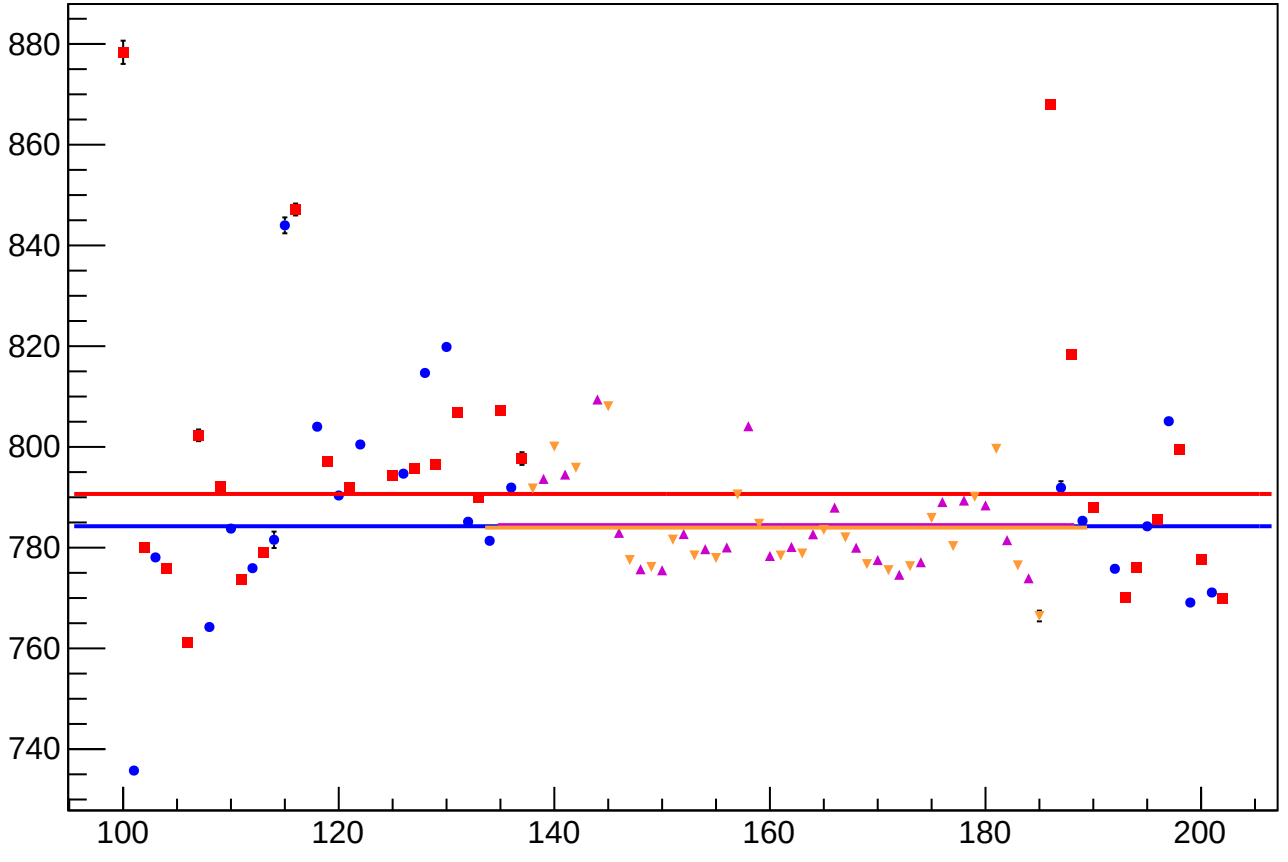
Right: 2138.464+/-152.877 χ^2/NDF: 26.4/49

In: 2161.741+/-141.586 χ^2/NDF:41.5/45

Out: 1943.030+/-137.486 χ^2/NDF:29.3/50

All: 2049.173+/-98.635 χ^2/NDF: 72.0/96

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 784.252+/-0.158 χ^2/NDF: 15228.8/22

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

Right Out: 790.662+/-0.148 χ^2/NDF: 19632.0/26

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

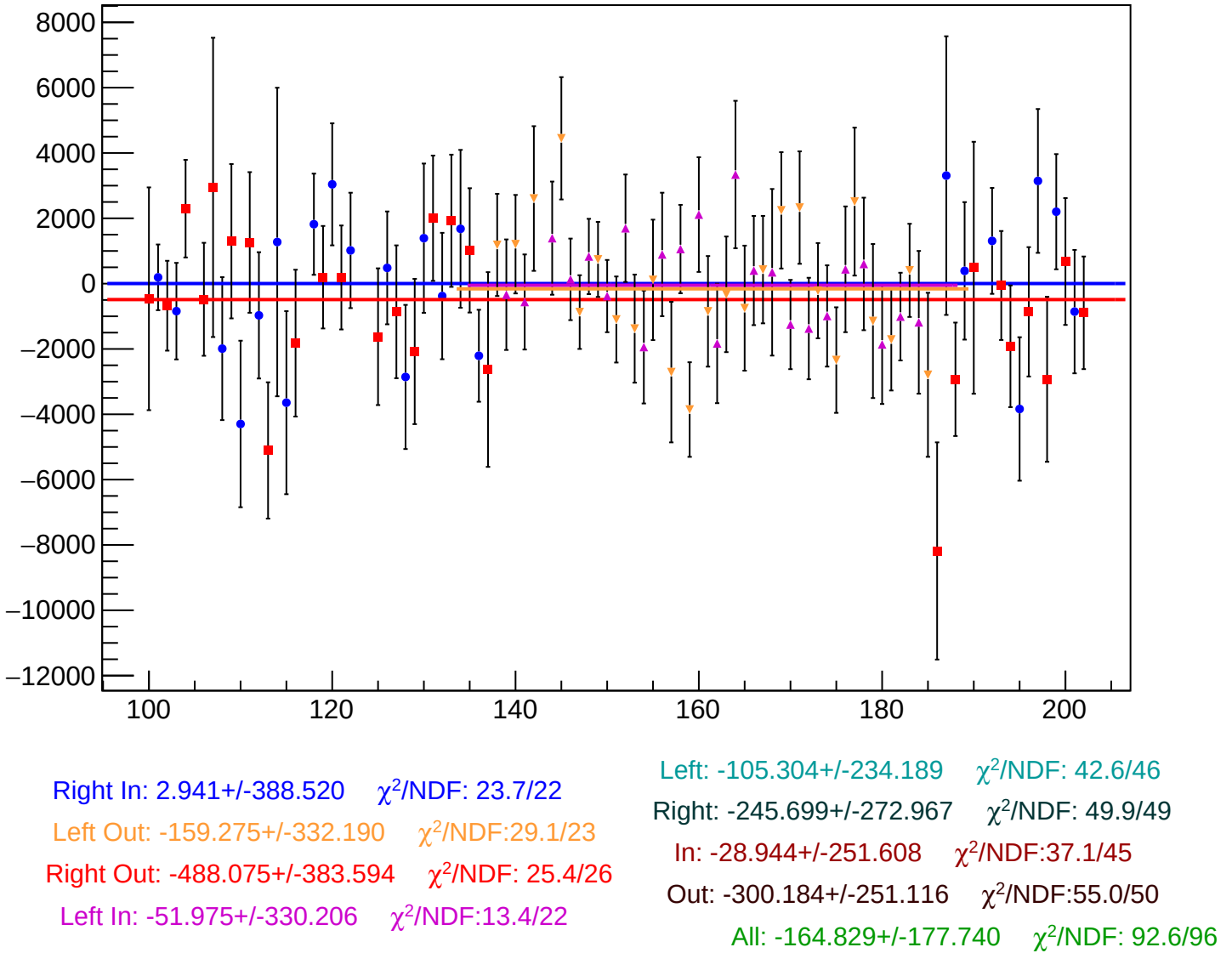
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

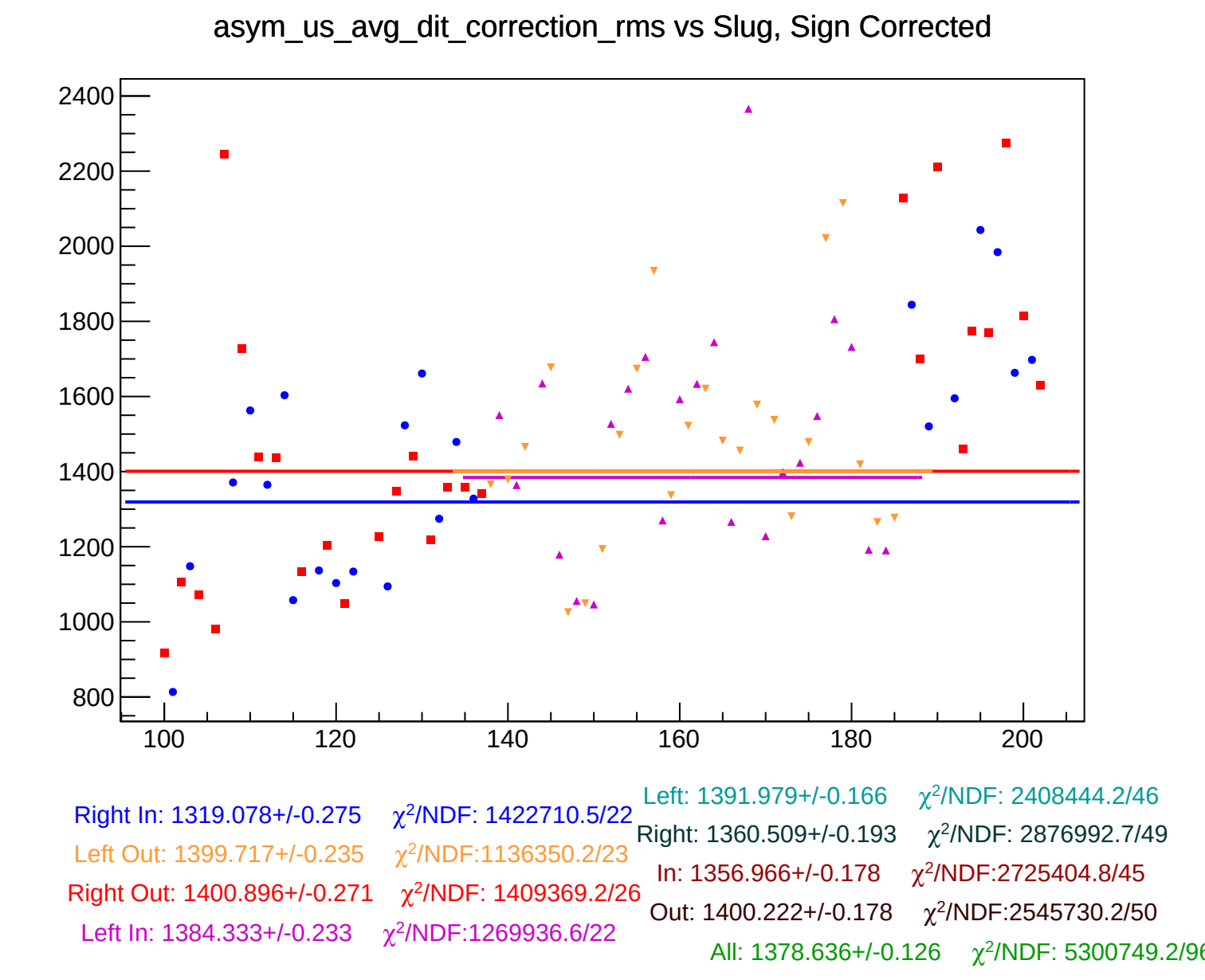
Right: 787.653+/-0.108 χ^2/NDF: 35736.5/49

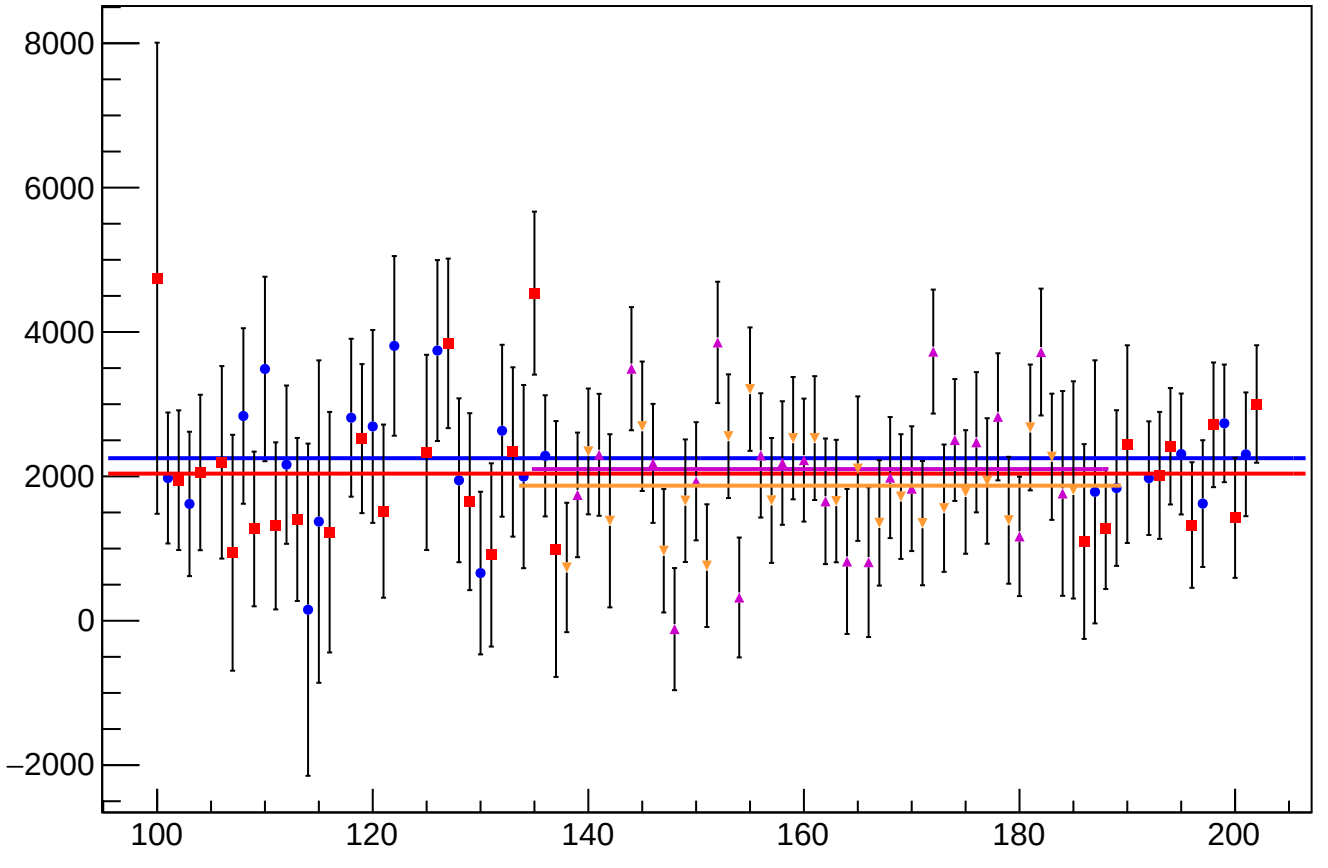
In: 784.384+/-0.100 χ^2/NDF:20157.7/45

Out: 786.849+/-0.097 χ^2/NDF:25716.7/50

All: 785.652+/-0.070 χ^2/NDF: 46186.5/96


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 2.941+/-388.520 χ²/NDF: 23.7/22
Left Out: -159.275+/-332.190 χ²/NDF:29.1/23
Right Out: -488.075+/-383.594 χ²/NDF: 25.4/26
Left In: -51.975+/-330.206 χ²/NDF:13.4/22
Left: -105.304+/-234.189 χ²/NDF: 42.6/46
Right: -245.699+/-272.967 χ²/NDF: 49.9/49
In: -28.944+/-251.608 χ²/NDF:37.1/45
Out: -300.184+/-251.116 χ²/NDF:55.0/50
All: -164.829+/-177.740 χ²/NDF: 92.6/96


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1319.078+/-0.275 χ²/NDF: 1422710.5/22
Left Out: 1399.717+/-0.235 χ²/NDF:1136350.2/23
Right Out: 1400.896+/-0.271 χ²/NDF: 1409369.2/26
Left In: 1384.333+/-0.233 χ²/NDF:1269936.6/22
Left: 1391.979+/-0.166 χ²/NDF: 2408444.2/46
Right: 1360.509+/-0.193 χ²/NDF: 2876992.7/49
In: 1356.966+/-0.178 χ²/NDF:2725404.8/45
Out: 1400.222+/-0.178 χ²/NDF:2545730.2/50
All: 1378.636+/-0.126 χ²/NDF: 5300749.2/96



Right In: 2251.815+/-223.153 χ^2/NDF: 9.4/22

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

Right Out: 2038.214+/-209.859 χ^2/NDF: 16.5/26

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

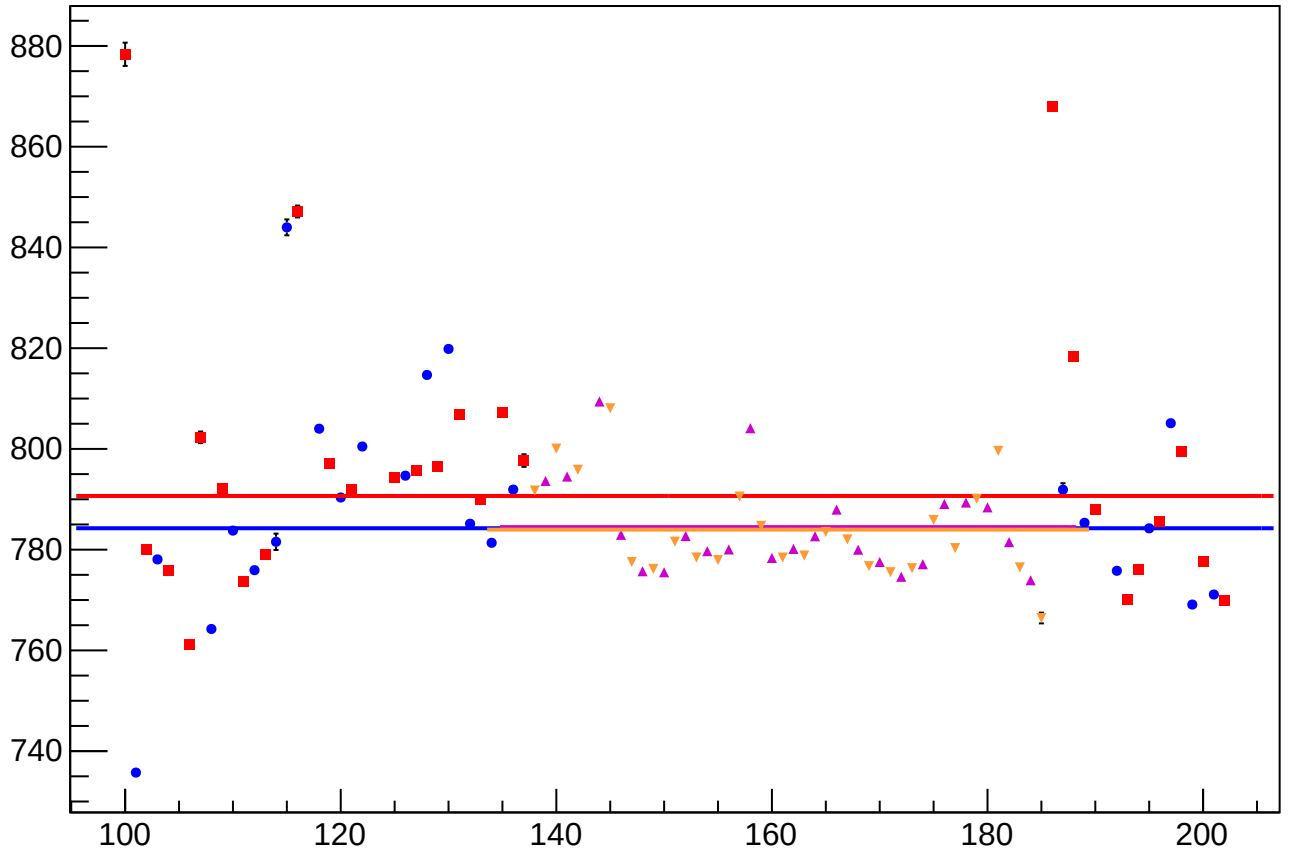
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2138.463+/-152.877 χ^2/NDF: 26.4/49

In: 2161.741+/-141.586 χ^2/NDF:41.5/45

Out: 1943.028+/-137.486 χ^2/NDF:29.3/50

All: 2049.171+/-98.635 χ^2/NDF: 72.0/96



Right In: 784.252+/-0.158 χ^2/NDF: 15228.8/22

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

Right Out: 790.662+/-0.148 χ^2/NDF: 19632.0/26

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

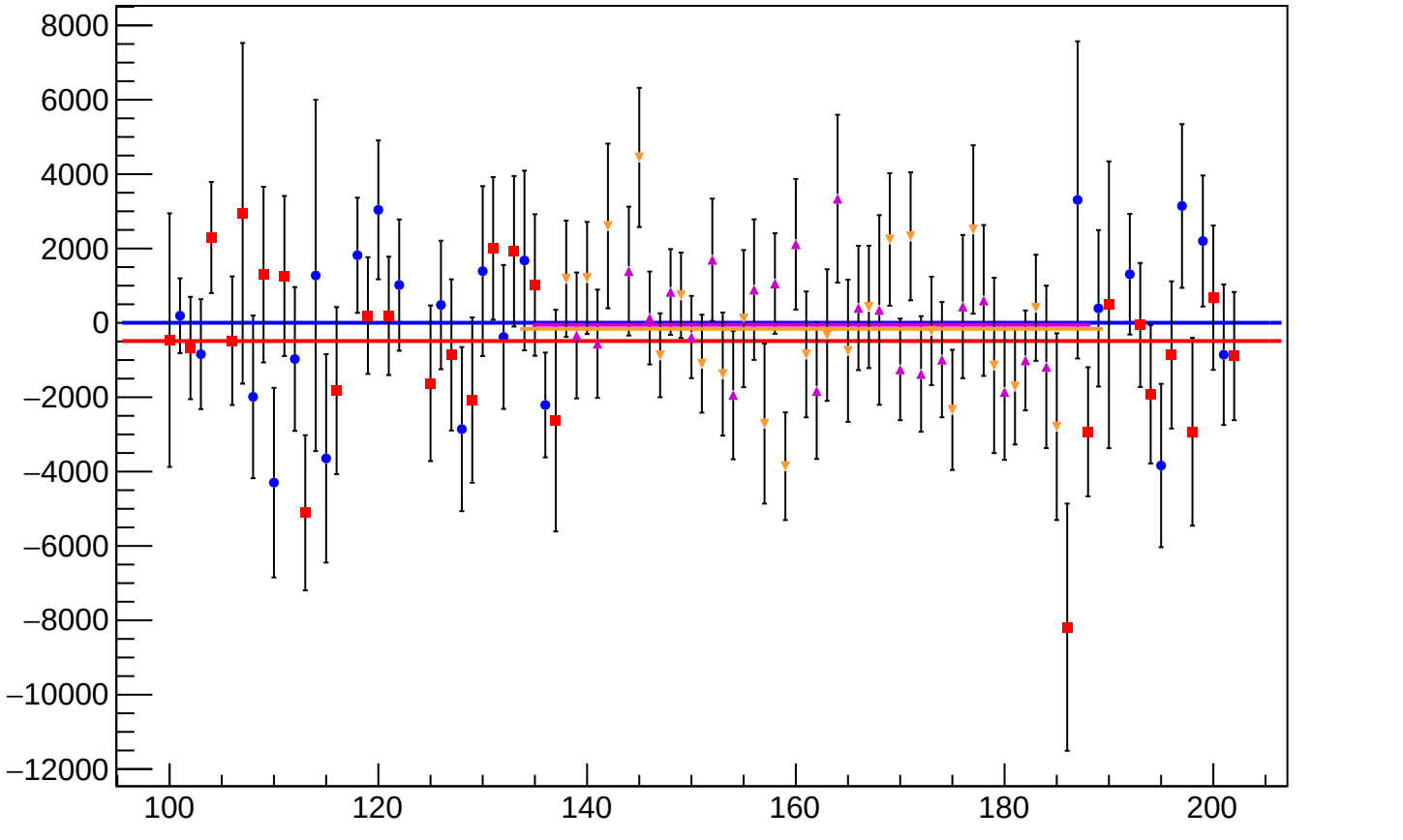
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 787.653+/-0.108 χ^2/NDF: 35736.5/49

In: 784.384+/-0.100 χ^2/NDF:20157.7/45

Out: 786.849+/-0.097 χ^2/NDF:25716.7/50

All: 785.652+/-0.070 χ^2/NDF: 46186.4/96



Right In: 2.941+/-388.519 χ^2/NDF: 23.7/22

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

Right Out: -488.072+/-383.593 χ^2/NDF: 25.4/26

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

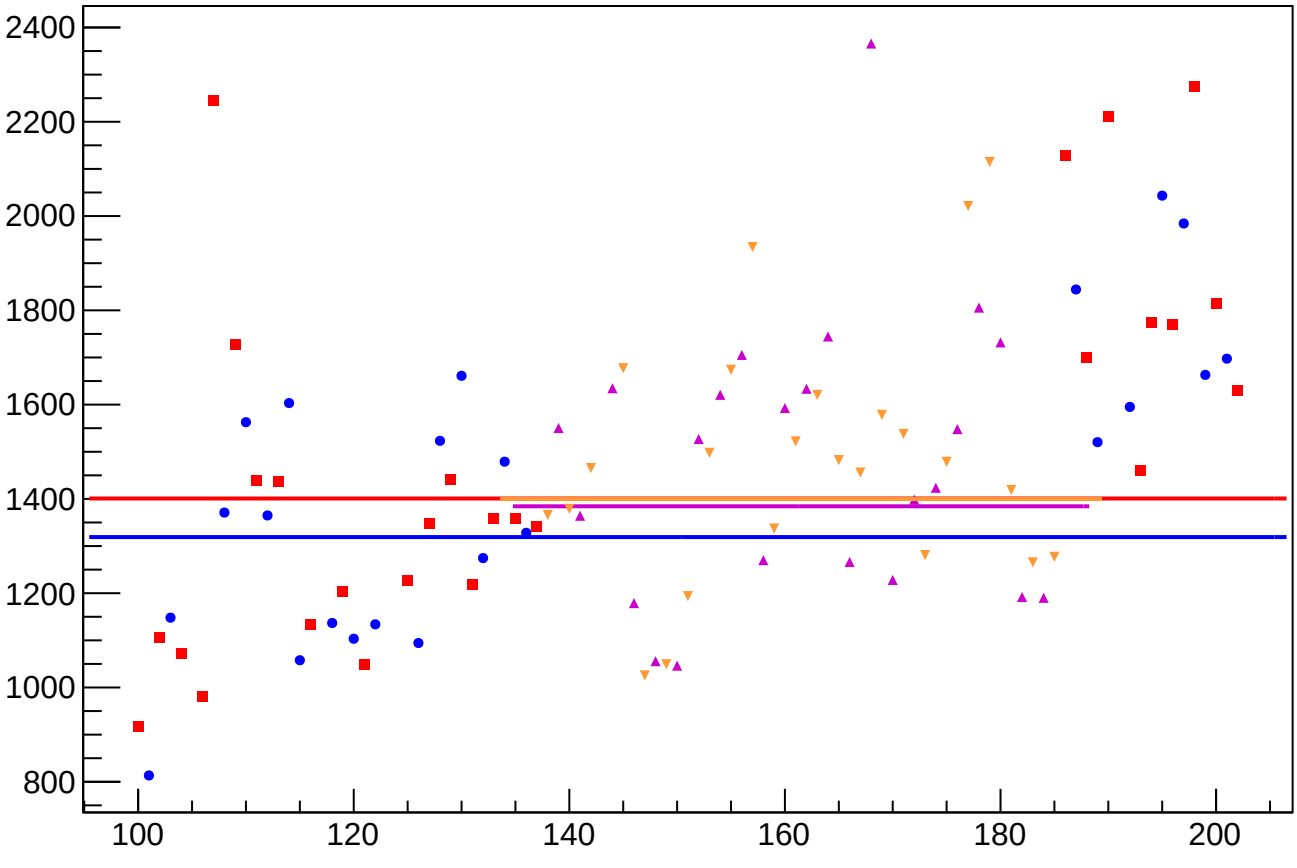
Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

Right: -245.698+/-272.966 χ^2/NDF: 49.9/49

In: -28.943+/-251.608 χ^2/NDF:37.1/45

Out: -300.185+/-251.116 χ^2/NDF:55.0/50

All: -164.830+/-177.740 χ^2/NDF: 92.6/96



Right In: 1319.076+/-0.275 χ^2/NDF: 1422722.3/22

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

Right Out: 1400.893+/-0.271 χ^2/NDF: 1409385.0/26

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

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

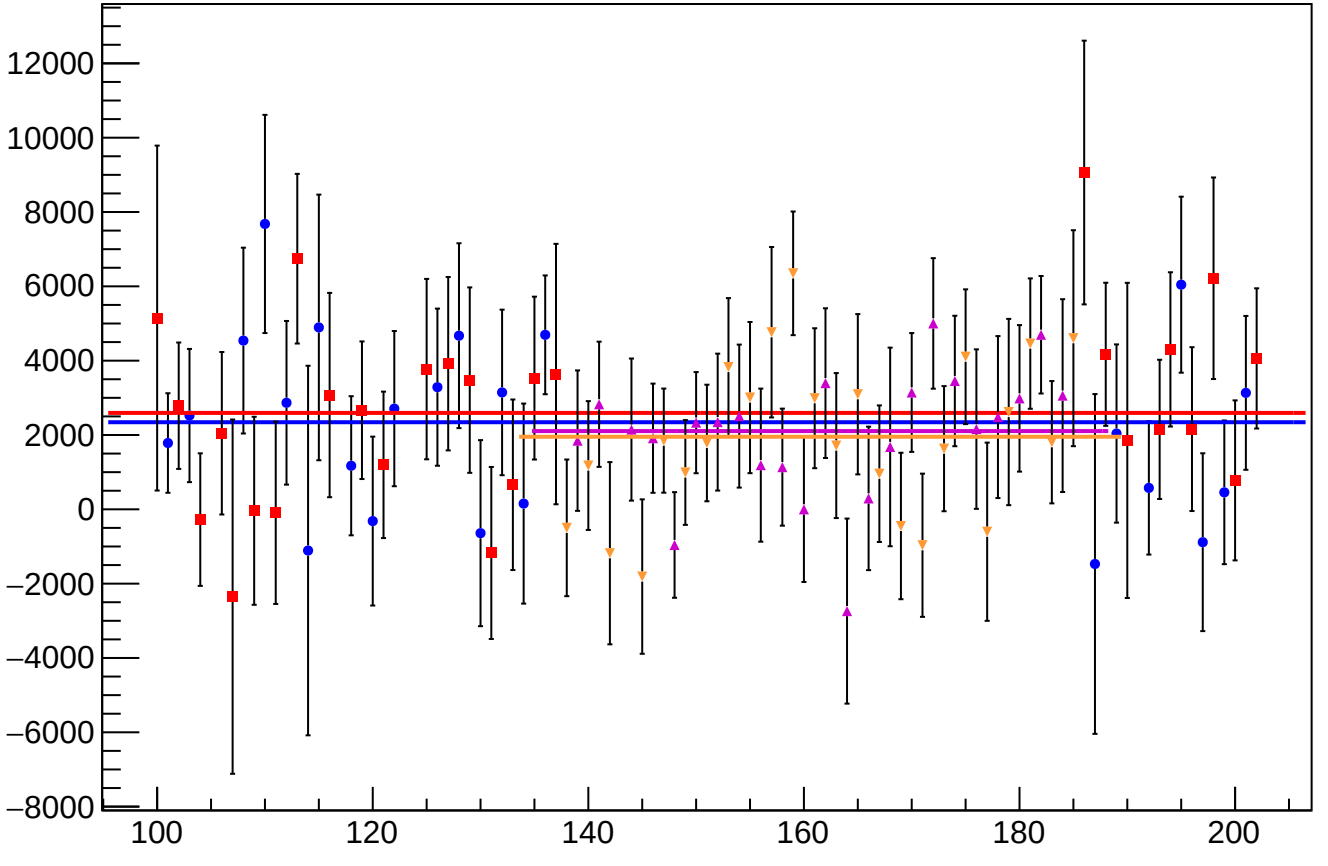
Right: 1360.507+/-0.193 χ^2/NDF: 2877020.1/49

In: 1356.966+/-0.178 χ^2/NDF:2725422.2/45

Out: 1400.223+/-0.178 χ^2/NDF:2545746.9/50

All: 1378.637+/-0.126 χ^2/NDF: 5300783.3/96

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2343.418+/-454.504 χ^2/NDF: 19.6/22

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

Right Out: 2594.247+/-442.947 χ^2/NDF: 22.4/26

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

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

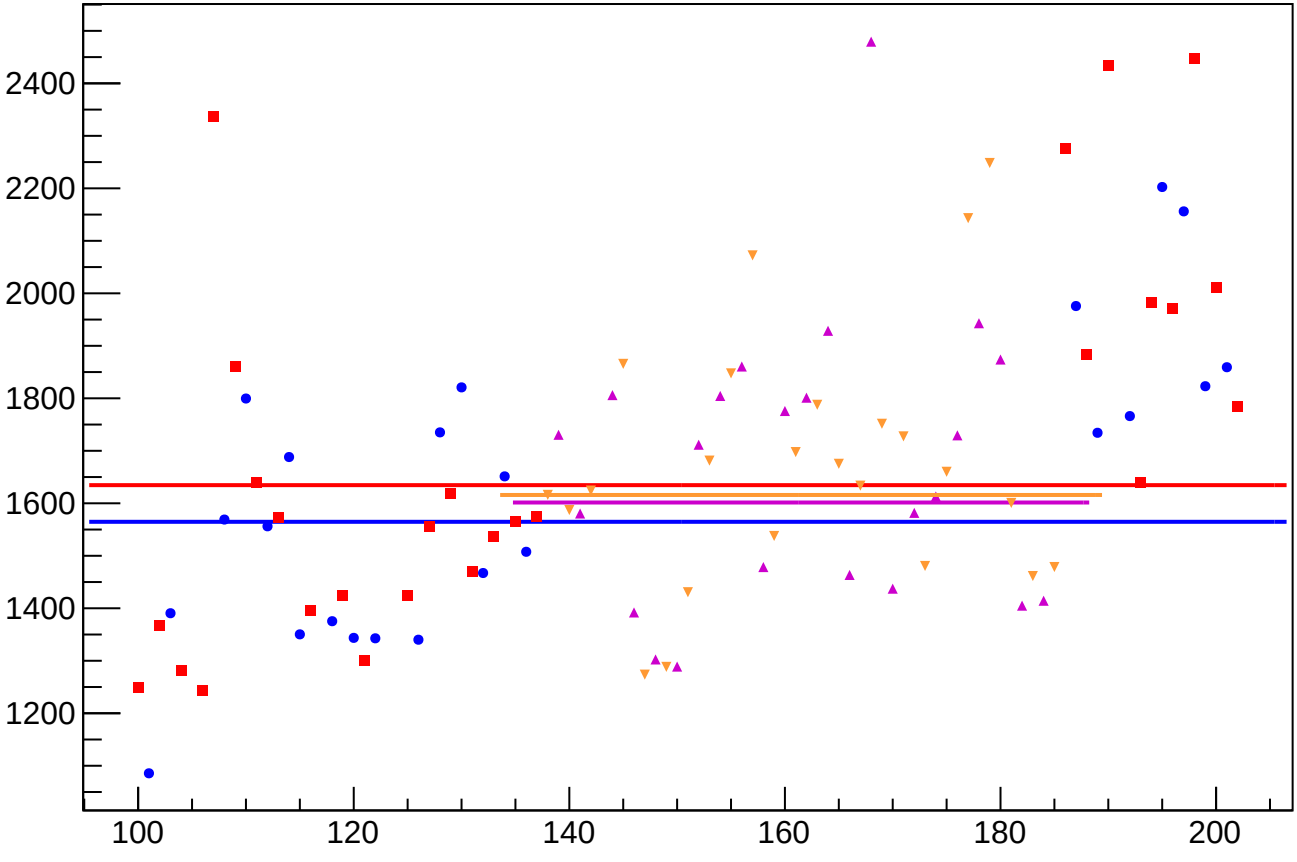
Right: 2472.062+/-317.218 χ^2/NDF: 42.1/49

In: 2203.048+/-291.101 χ^2/NDF:38.3/45

Out: 2224.740+/-288.528 χ^2/NDF:51.0/50

All: 2213.990+/-204.924 χ^2/NDF: 89.3/96

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1564.737+/-0.321 χ^2/NDF: 814311.7/22

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

Right Out: 1634.575+/-0.313 χ^2/NDF: 923070.6/26

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

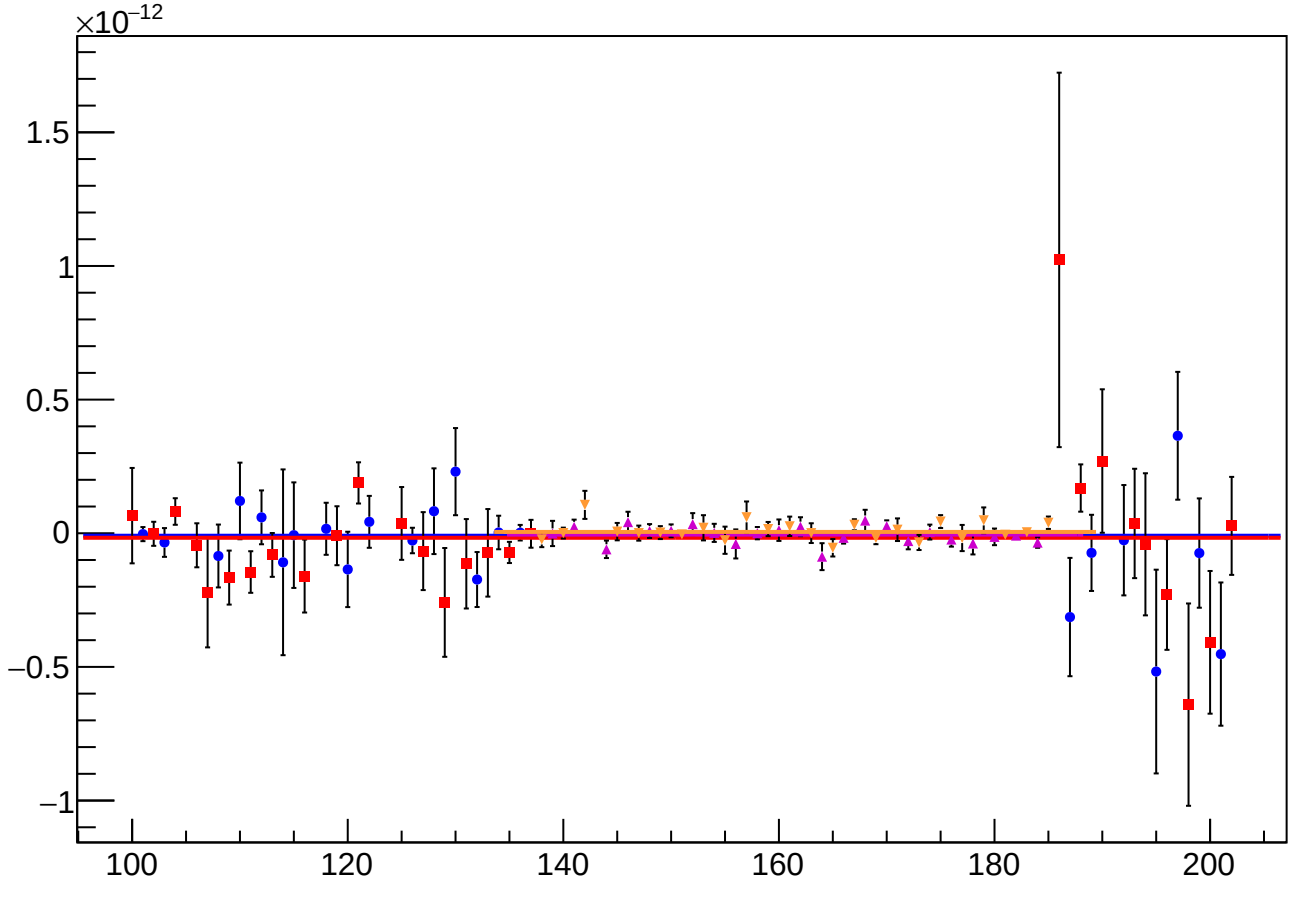
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1600.555+/-0.224 χ^2/NDF: 1761601.0/49

In: 1586.417+/-0.206 χ^2/NDF:1615750.1/45

Out: 1623.797+/-0.204 χ^2/NDF:1619480.7/50

All: 1605.273+/-0.145 χ^2/NDF: 3251866.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/22

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

Right Out: -0.000+/-0.000 χ^2/NDF: 37.0/26

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

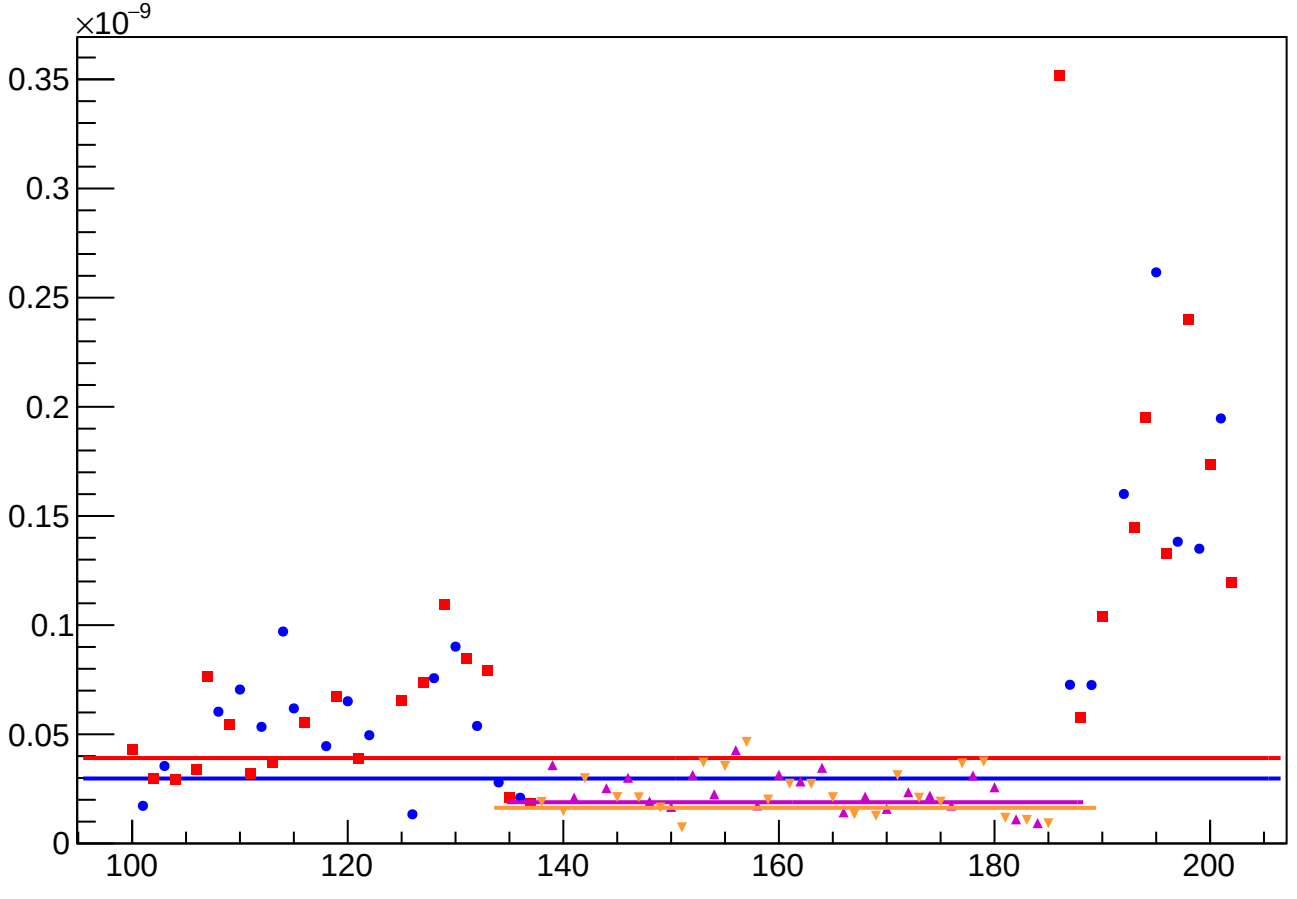
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 54.8/49

In: -0.000+/-0.000 χ^2/NDF:37.2/45

Out: 0.000+/-0.000 χ^2/NDF:59.4/50

All: -0.000+/-0.000 χ^2/NDF: 98.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 5725631.6/22

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5582220.3/26

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

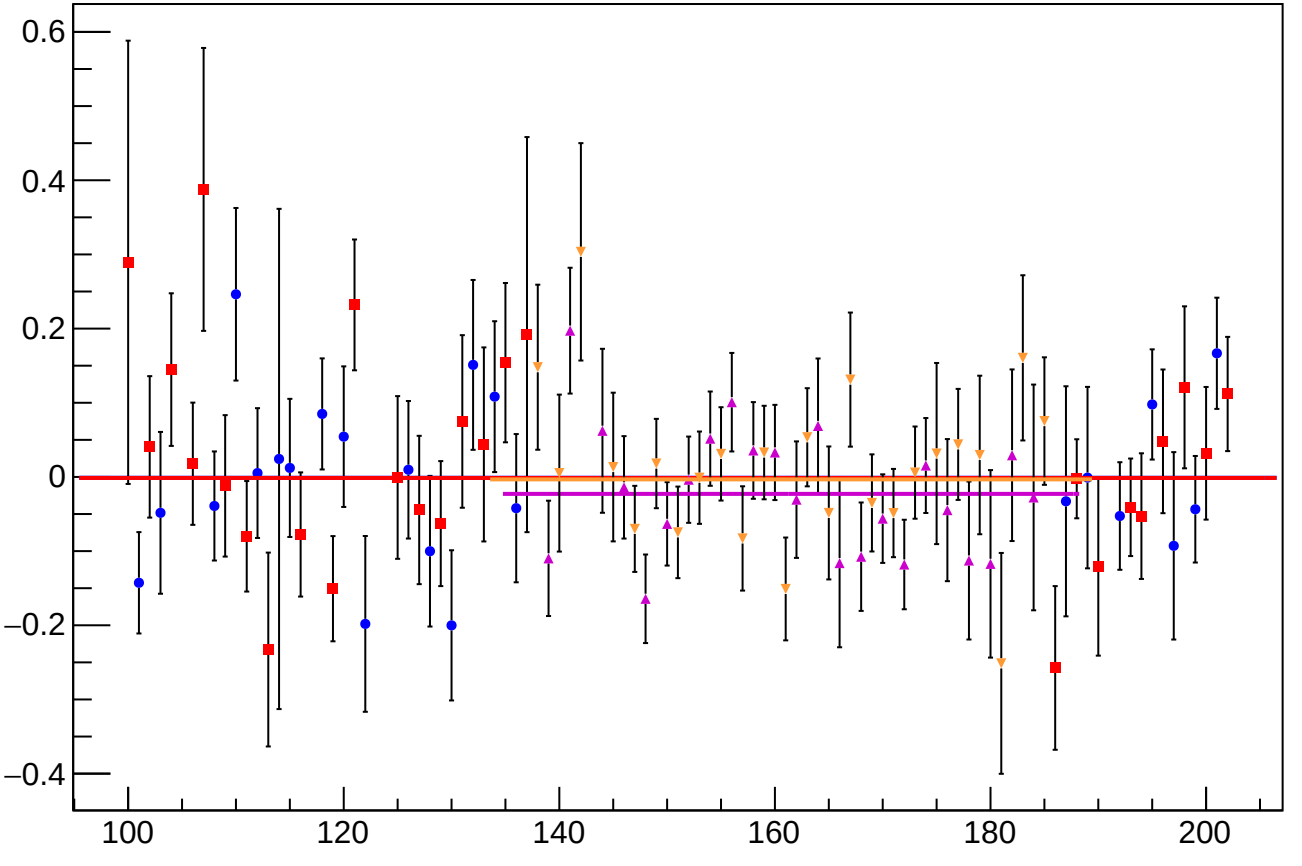
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 11641590.8/49

In: 0.000+/-0.000 χ^2/NDF:9903711.2/45

Out: 0.000+/-0.000 χ^2/NDF:12964363.7/50

All: 0.000+/-0.000 χ^2/NDF: 23021658.6/96



Right In: -0.001+/-0.019 χ^2/NDF: 29.9/22

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

Right Out: -0.001+/-0.018 χ^2/NDF: 38.7/26

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

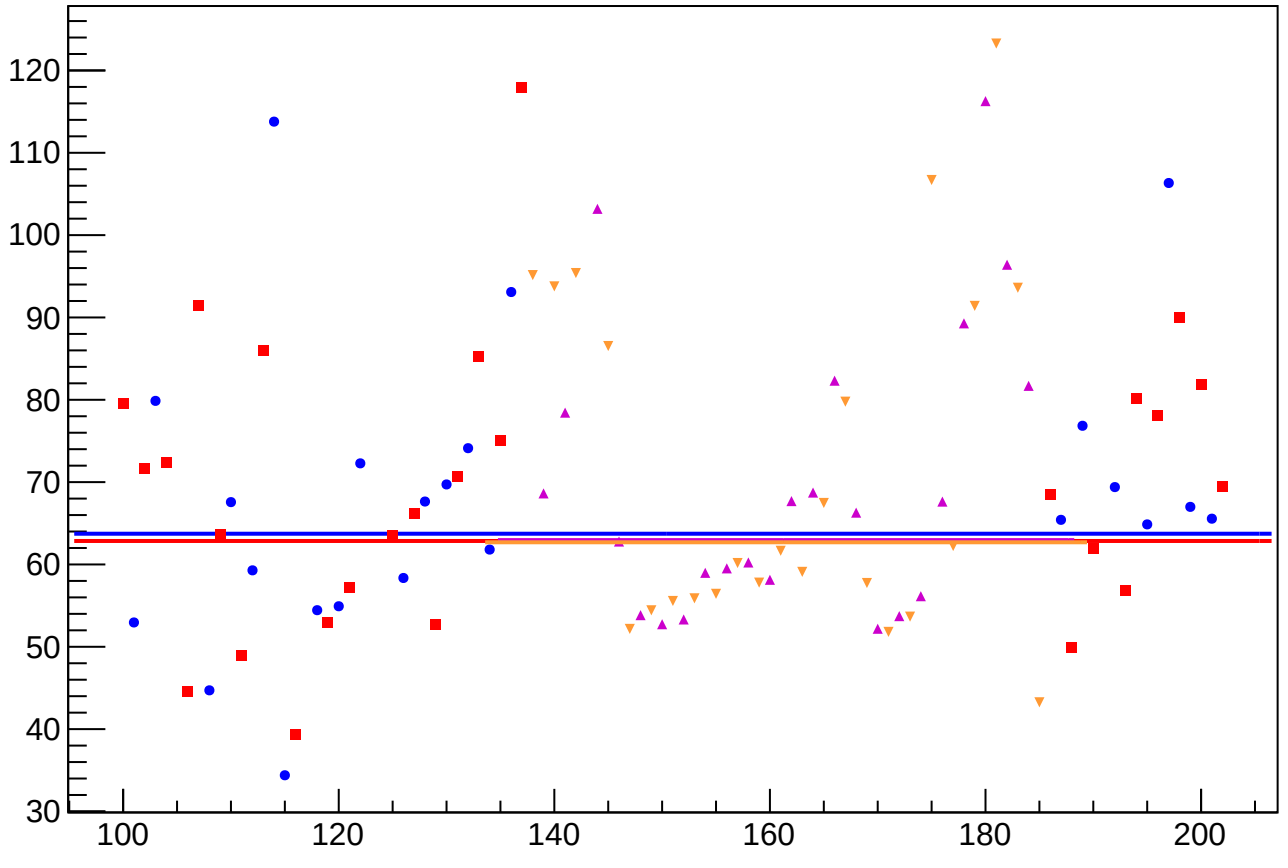
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.013 χ^2/NDF: 68.5/49

In: -0.014+/-0.012 χ^2/NDF:59.6/45

Out: -0.002+/-0.012 χ^2/NDF:64.6/50

All: -0.008+/-0.008 χ^2/NDF: 124.7/96



Right In: 63.733+/-0.014 χ^2/NDF: 1010816.0/22

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

Right Out: 62.852+/-0.013 χ^2/NDF: 1233994.0/26

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

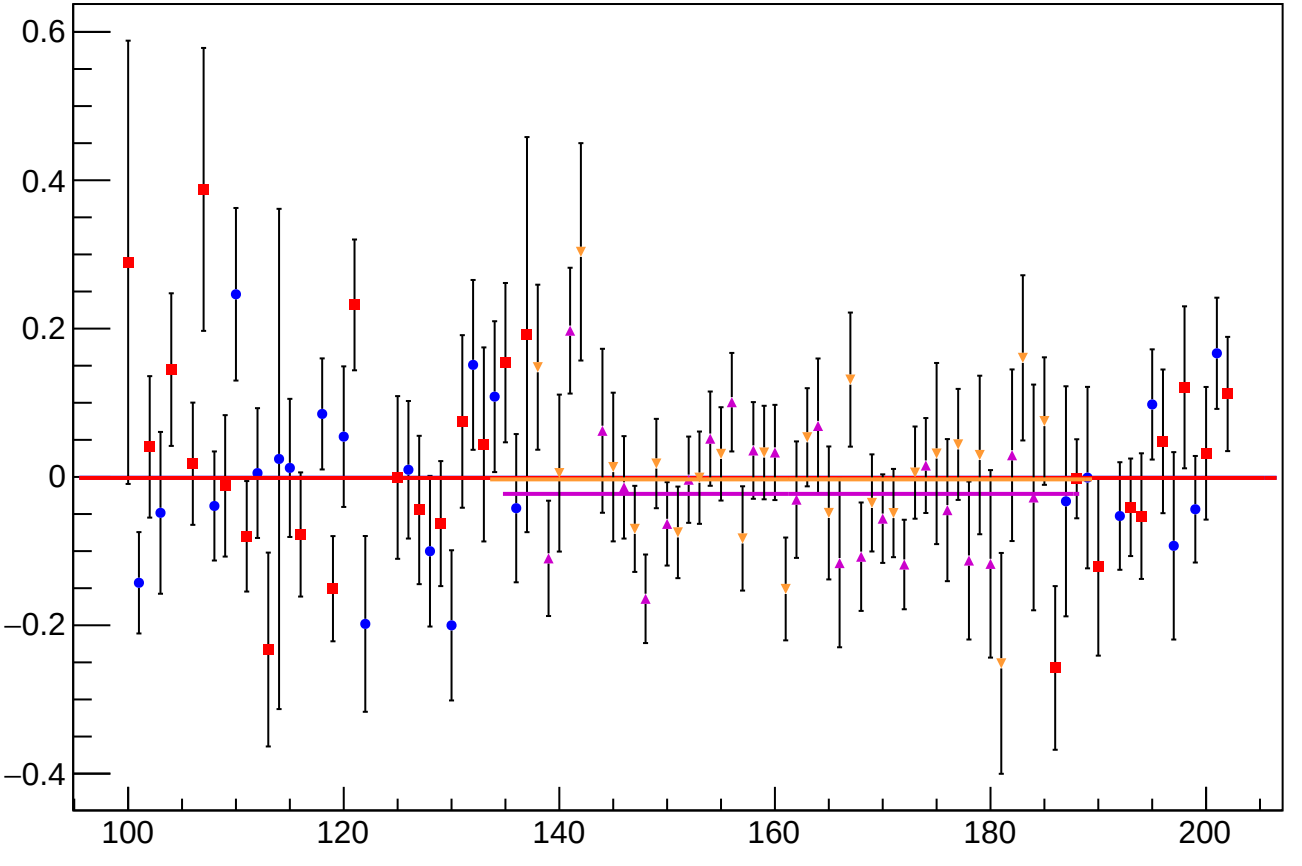
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 63.258+/-0.009 χ^2/NDF: 2247043.7/49

In: 63.259+/-0.009 χ^2/NDF:2443207.7/45

Out: 62.762+/-0.008 χ^2/NDF:3173484.5/50

All: 63.002+/-0.006 χ^2/NDF: 5618439.7/96



Right In: -0.001+/-0.019 χ^2/NDF: 29.9/22

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

Right Out: -0.001+/-0.018 χ^2/NDF: 38.7/26

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

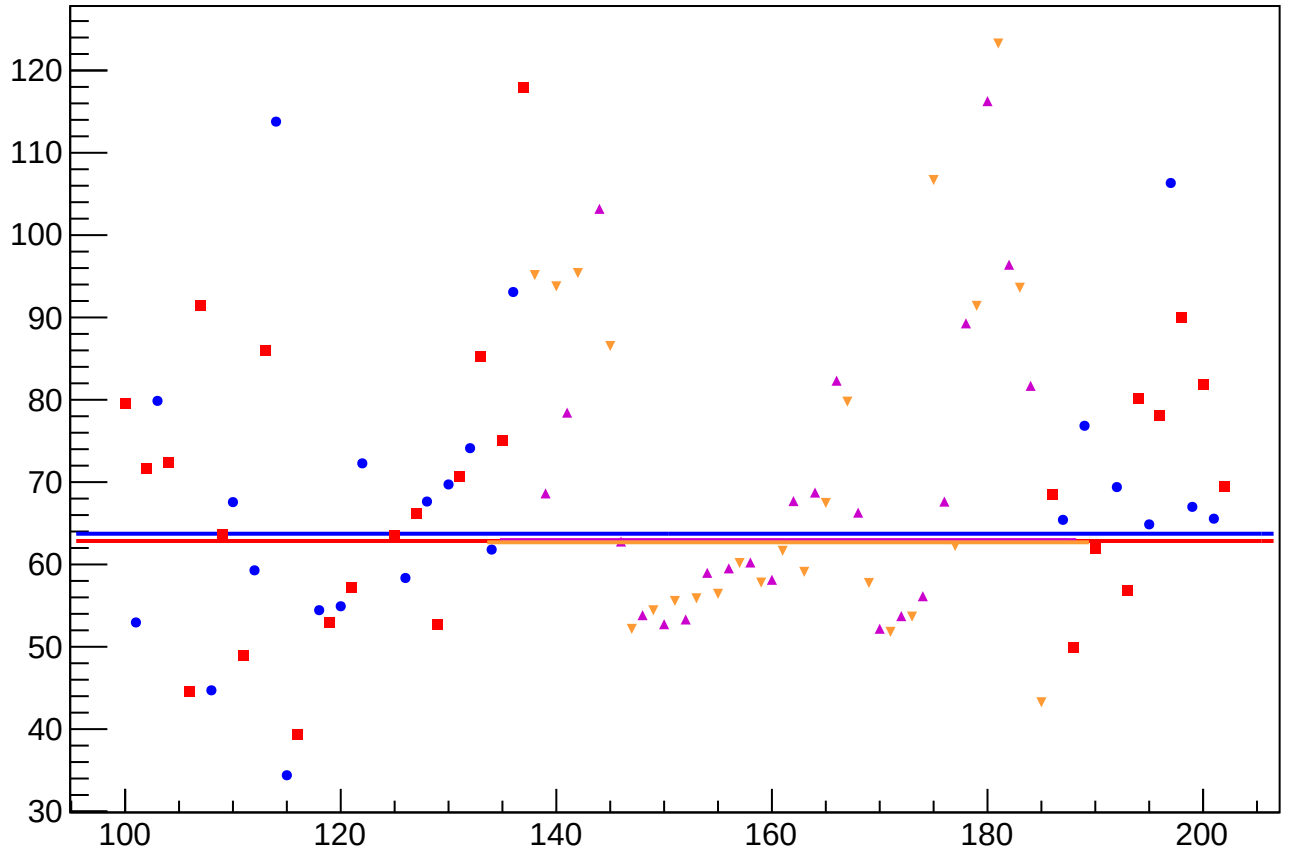
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.013 χ^2/NDF: 68.5/49

In: -0.014+/-0.012 χ^2/NDF:59.6/45

Out: -0.002+/-0.012 χ^2/NDF:64.6/50

All: -0.008+/-0.008 χ^2/NDF: 124.7/96



Right In: 63.733+/-0.014 χ^2/NDF: 1010816.0/22

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

Right Out: 62.852+/-0.013 χ^2/NDF: 1233994.0/26

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

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

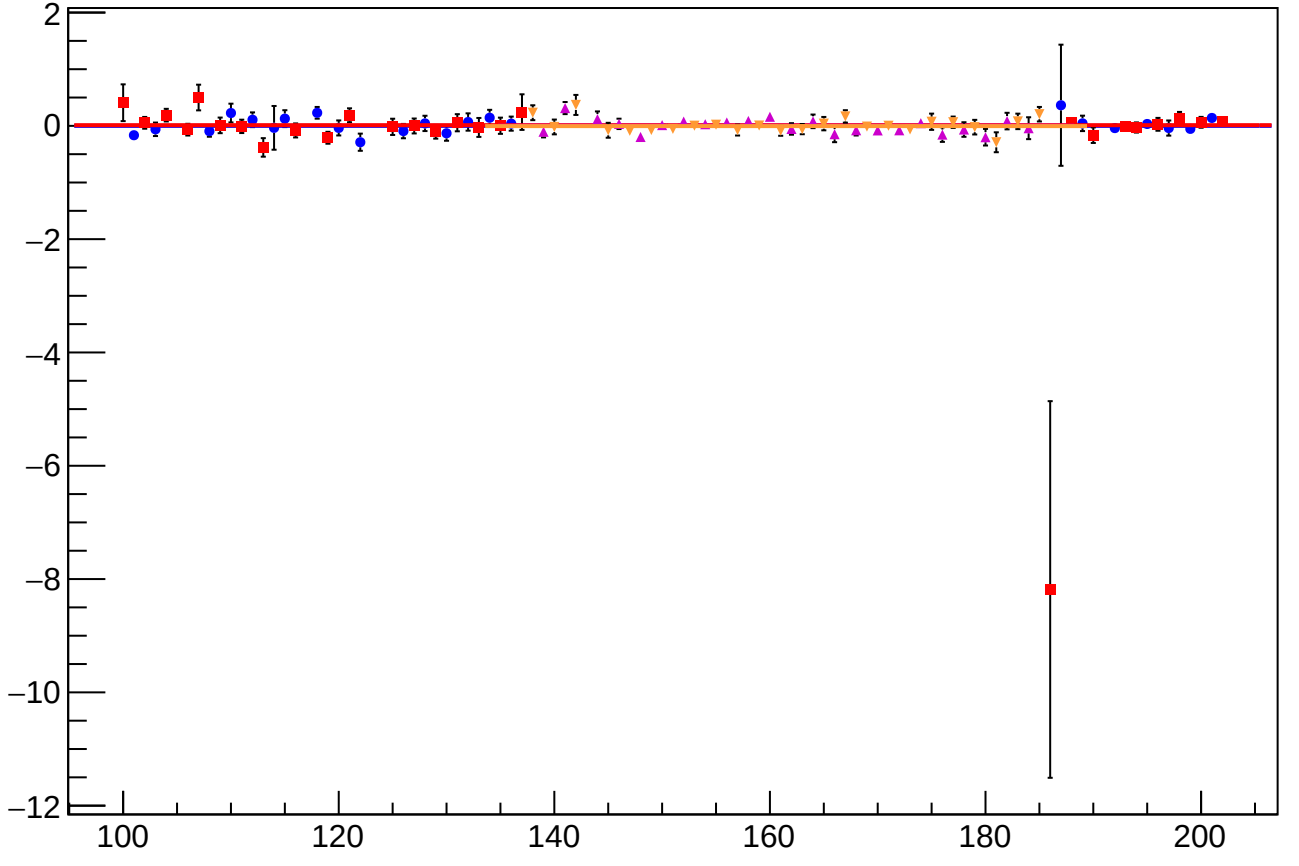
Right: 63.258+/-0.009 χ^2/NDF: 2247043.7/49

In: 63.259+/-0.009 χ^2/NDF:2443207.7/45

Out: 62.762+/-0.008 χ^2/NDF:3173484.5/50

All: 63.002+/-0.006 χ^2/NDF: 5618439.7/96

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.024 χ^2/NDF: 24.3/22

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

Right Out: 0.012+/-0.023 χ^2/NDF: 34.3/26

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

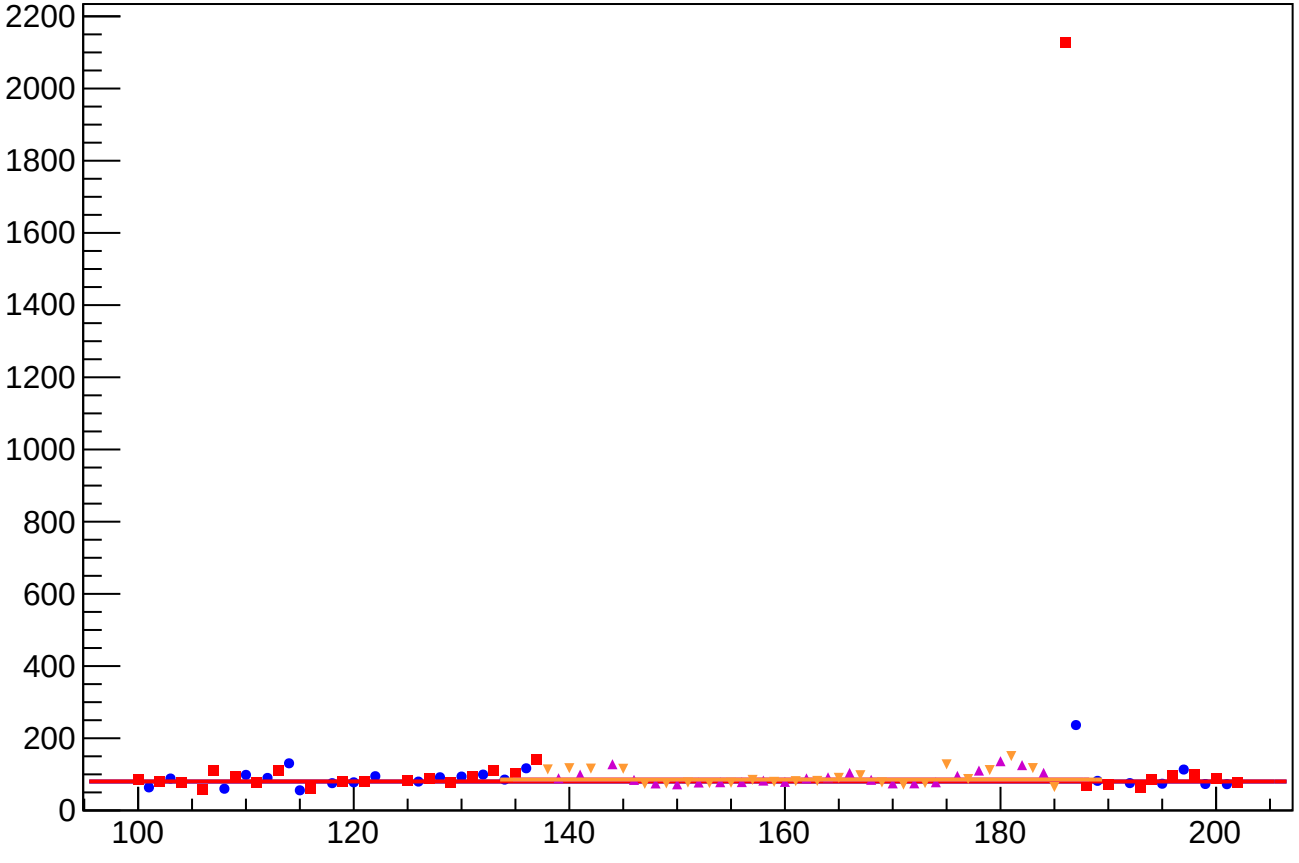
Right: 0.006+/-0.017 χ^2/NDF: 58.7/49

In: 0.001+/-0.016 χ^2/NDF:54.8/45

Out: 0.003+/-0.015 χ^2/NDF:55.9/50

All: 0.002+/-0.011 χ^2/NDF: 110.8/96

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.052+/-0.017 χ^2/NDF: 781055.1/22

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

Right Out: 80.404+/-0.016 χ^2/NDF: 1530506.9/26

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

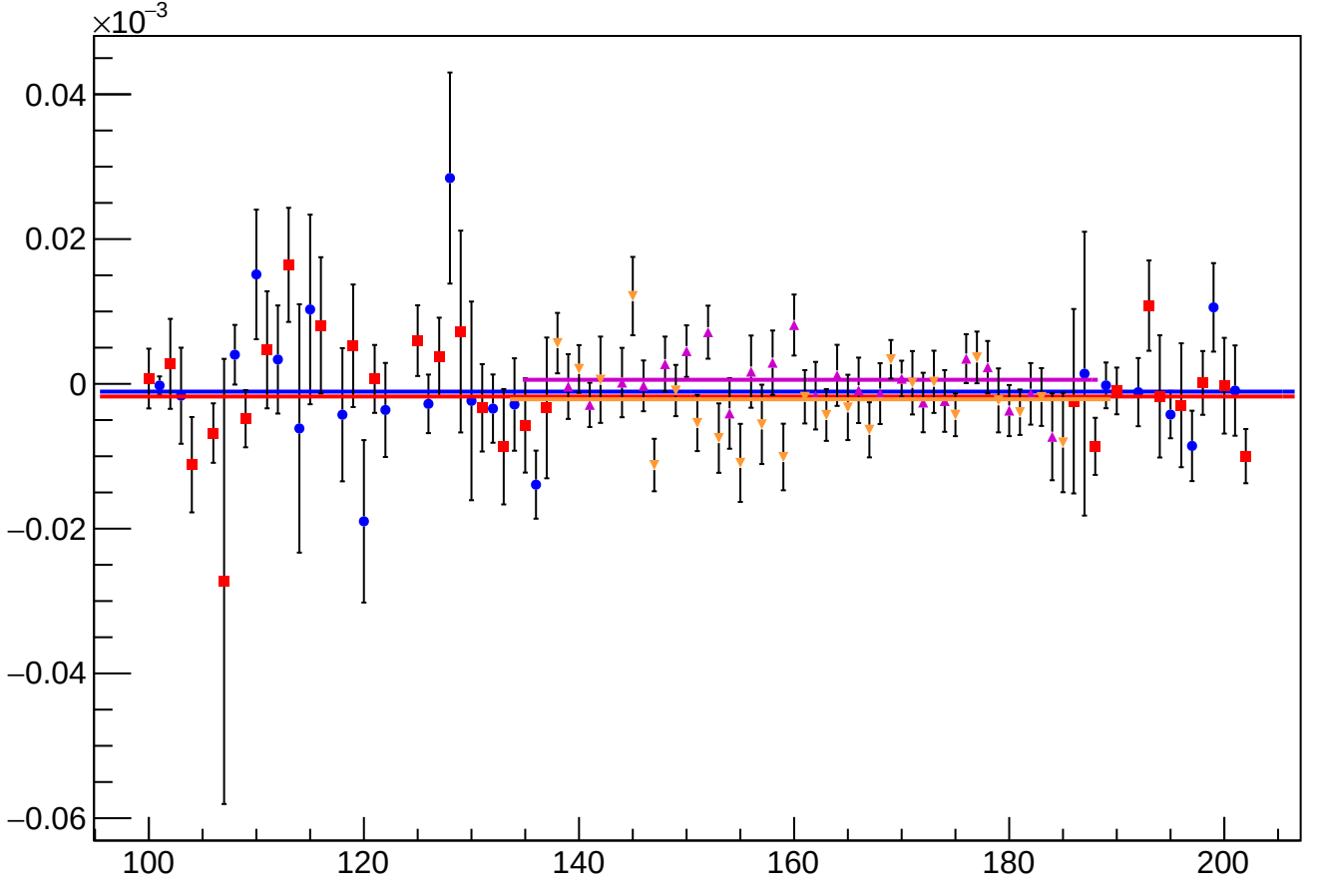
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 80.238+/-0.012 χ^2/NDF: 2311787.7/49

In: 83.290+/-0.011 χ^2/NDF:1839785.8/45

Out: 83.272+/-0.011 χ^2/NDF:2941589.6/50

All: 83.281+/-0.008 χ^2/NDF: 4781376.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/22

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

Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/26

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

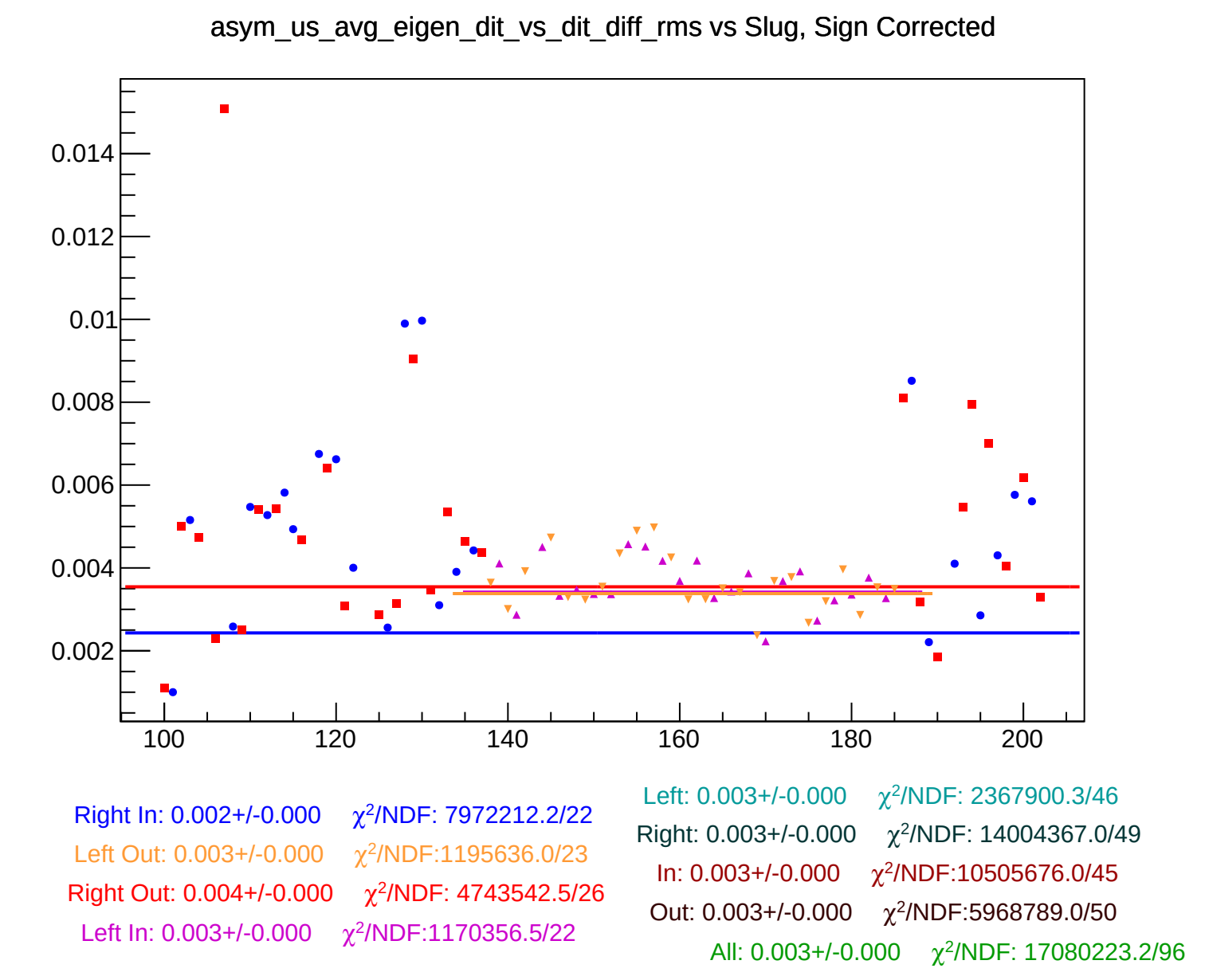
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

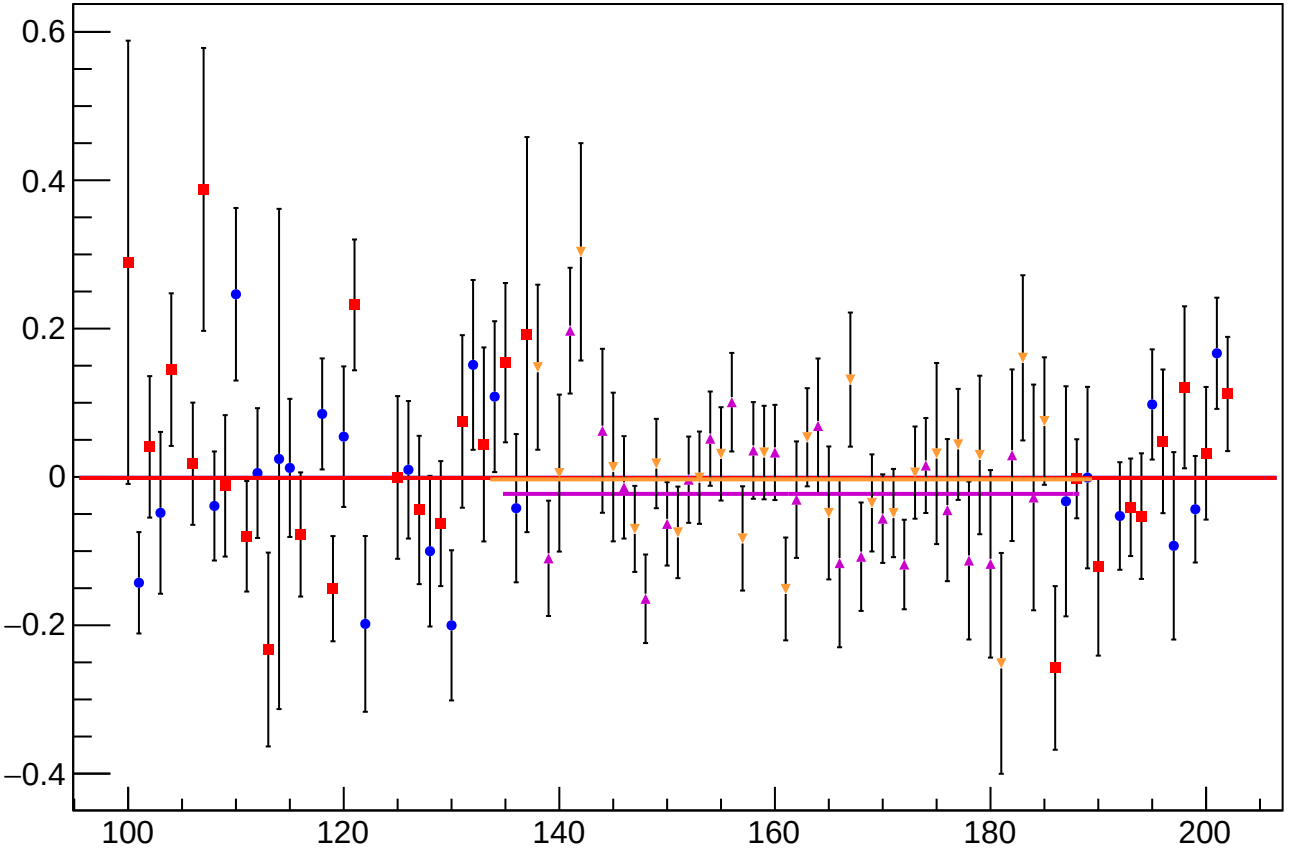
Right: -0.000+/-0.000 χ^2/NDF: 59.8/49

In: -0.000+/-0.000 χ^2/NDF:46.9/45

Out: -0.000+/-0.000 χ^2/NDF:68.7/50

All: -0.000+/-0.000 χ^2/NDF: 119.7/96


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 7972212.2/22
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 4743542.5/26
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
Left: 0.003+/-0.000 χ²/NDF: 2367900.3/46
Right: 0.003+/-0.000 χ²/NDF: 14004367.0/49
In: 0.003+/-0.000 χ²/NDF:10505676.0/45
Out: 0.003+/-0.000 χ²/NDF:5968789.0/50
All: 0.003+/-0.000 χ²/NDF: 17080223.2/96



Right In: -0.001+/-0.019 χ^2/NDF: 29.9/22

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

Right Out: -0.001+/-0.018 χ^2/NDF: 38.7/26

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

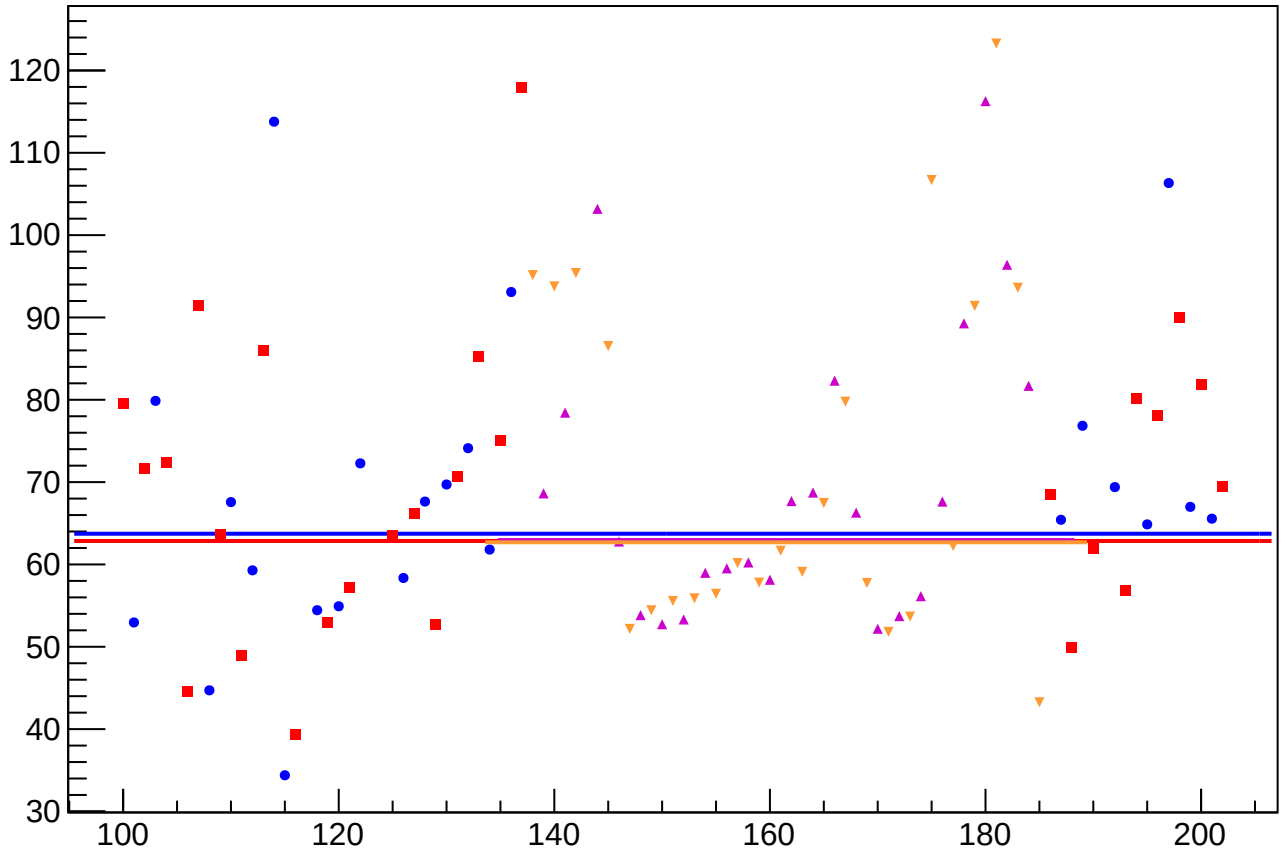
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.013 χ^2/NDF: 68.5/49

In: -0.014+/-0.012 χ^2/NDF:59.6/45

Out: -0.002+/-0.012 χ^2/NDF:64.6/50

All: -0.008+/-0.008 χ^2/NDF: 124.7/96



Right In: 63.732+/-0.014 χ^2/NDF: 1010858.6/22

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

Right Out: 62.851+/-0.013 χ^2/NDF: 1233939.8/26

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

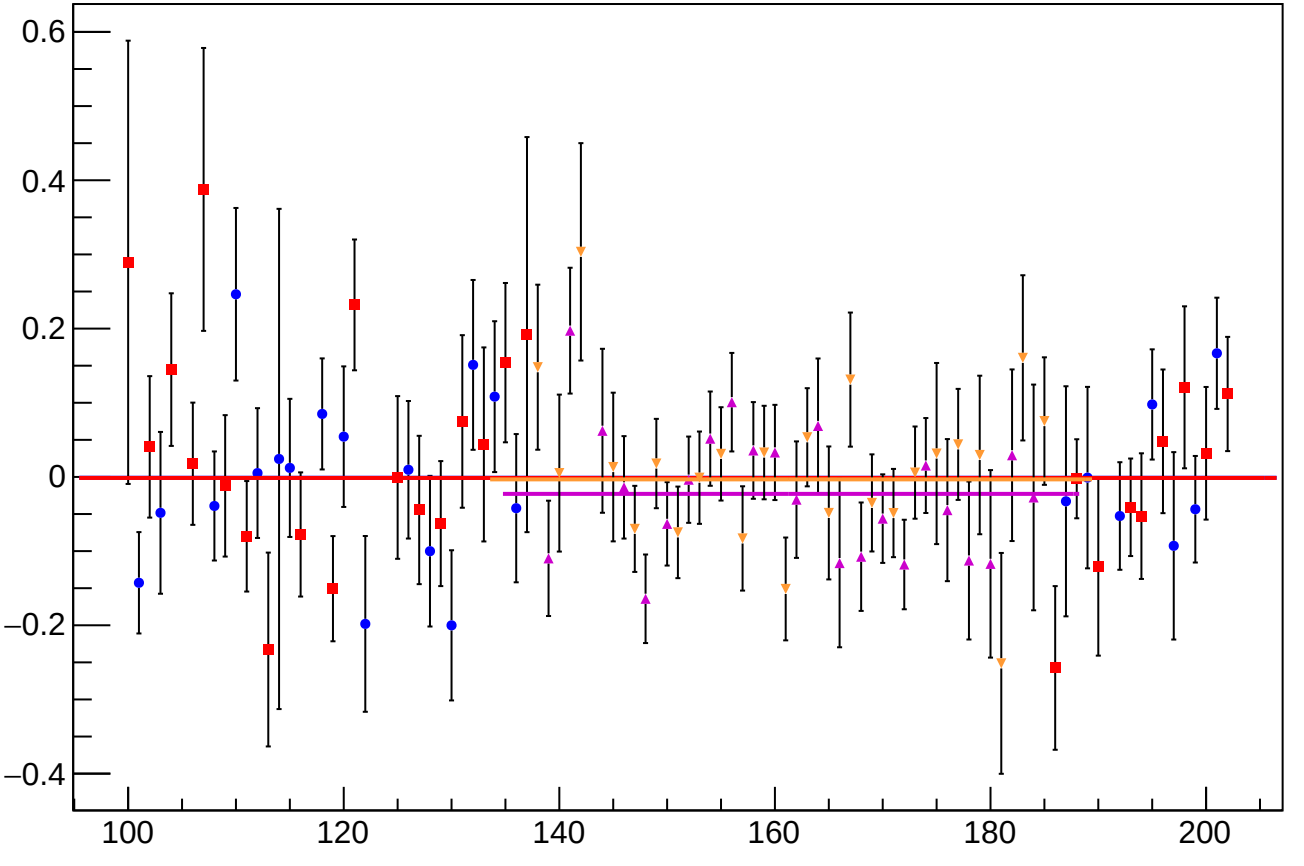
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 63.257+/-0.009 χ^2/NDF: 2247032.7/49

In: 63.259+/-0.009 χ^2/NDF:2443218.8/45

Out: 62.761+/-0.008 χ^2/NDF:3173410.9/50

All: 63.002+/-0.006 χ^2/NDF: 5618377.6/96



Right In: -0.001+/-0.019 χ^2/NDF: 29.9/22

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

Right Out: -0.001+/-0.018 χ^2/NDF: 38.7/26

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

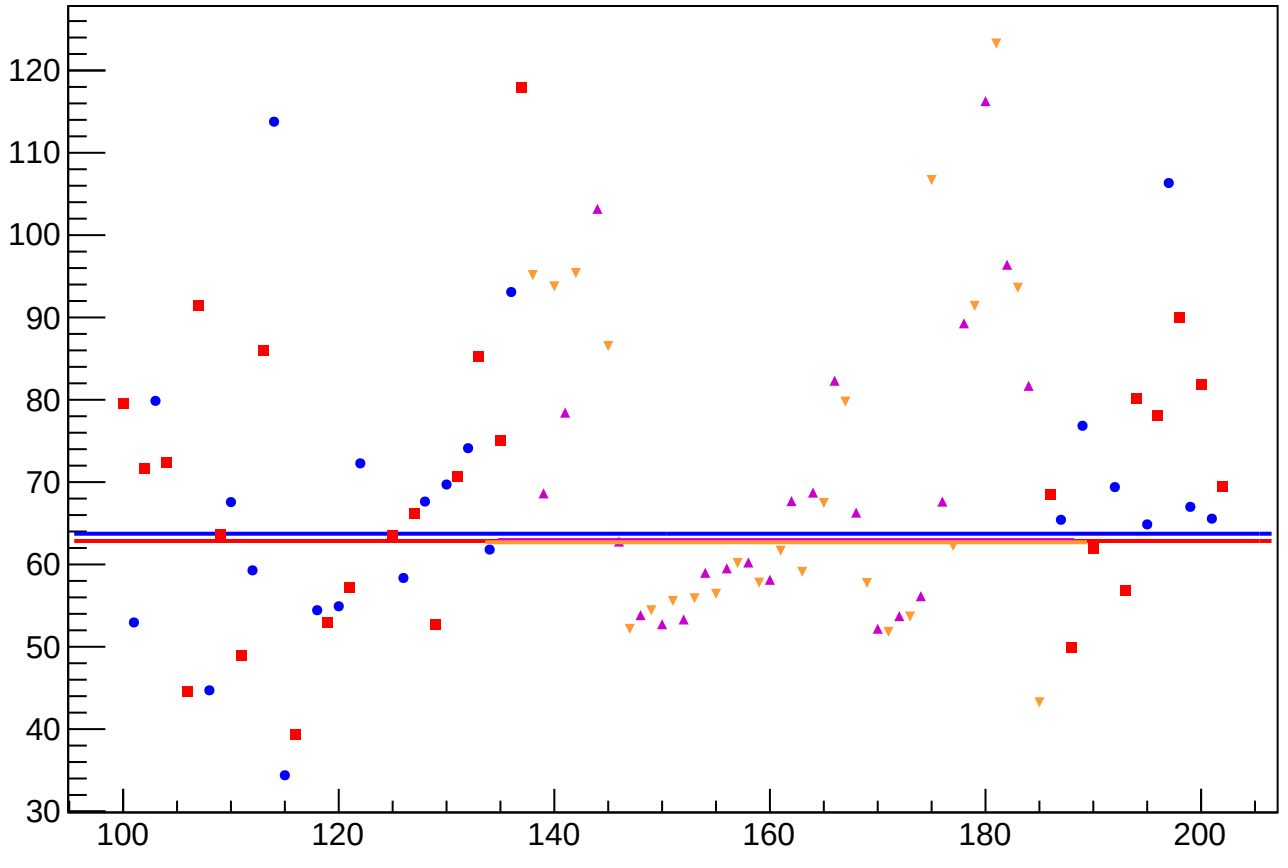
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.013 χ^2/NDF: 68.5/49

In: -0.014+/-0.012 χ^2/NDF:59.6/45

Out: -0.002+/-0.012 χ^2/NDF:64.6/50

All: -0.008+/-0.008 χ^2/NDF: 124.7/96



Right In: 63.732+/-0.014 χ^2/NDF: 1010858.6/22

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

Right Out: 62.851+/-0.013 χ^2/NDF: 1233939.8/26

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

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

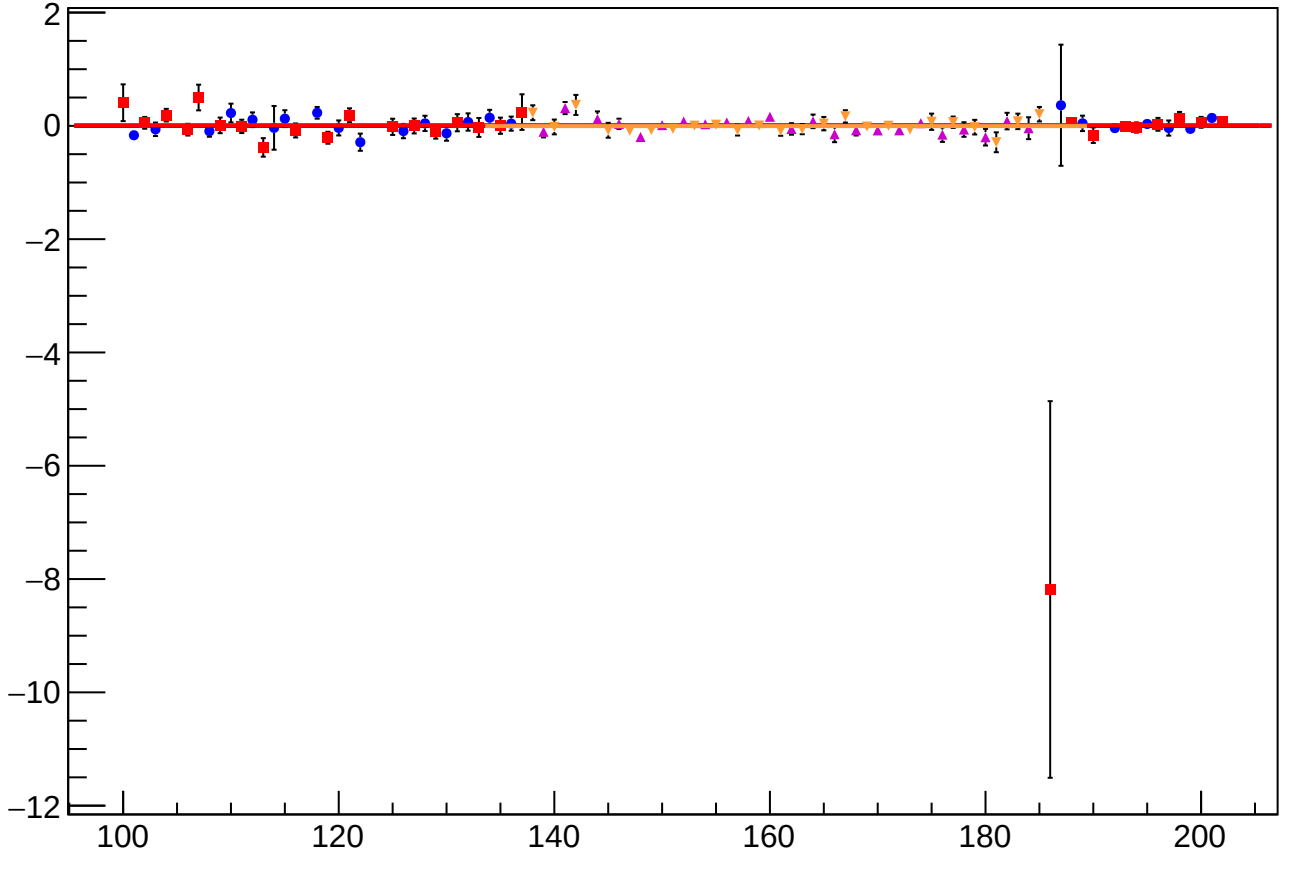
Right: 63.257+/-0.009 χ^2/NDF: 2247032.7/49

In: 63.259+/-0.009 χ^2/NDF:2443218.8/45

Out: 62.761+/-0.008 χ^2/NDF:3173410.9/50

All: 63.002+/-0.006 χ^2/NDF: 5618377.6/96

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.024 χ^2/NDF: 24.3/22

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

Right Out: 0.012+/-0.023 χ^2/NDF: 34.3/26

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

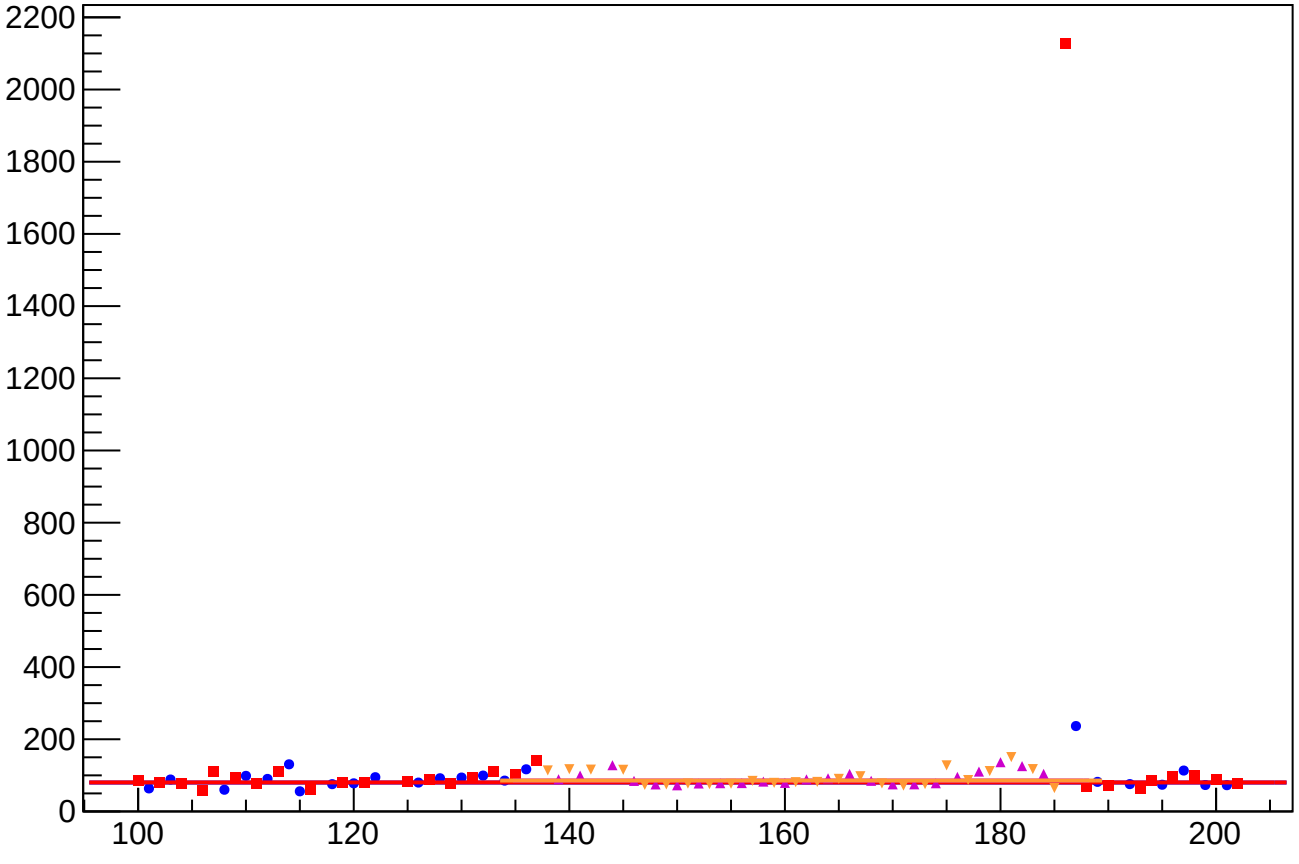
Right: 0.006+/-0.017 χ^2/NDF: 58.7/49

In: 0.001+/-0.016 χ^2/NDF:54.8/45

Out: 0.003+/-0.015 χ^2/NDF:55.9/50

All: 0.002+/-0.011 χ^2/NDF: 110.8/96

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.052+/-0.017 χ^2/NDF: 781041.9/22

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

Right Out: 80.403+/-0.016 χ^2/NDF: 1530468.7/26

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

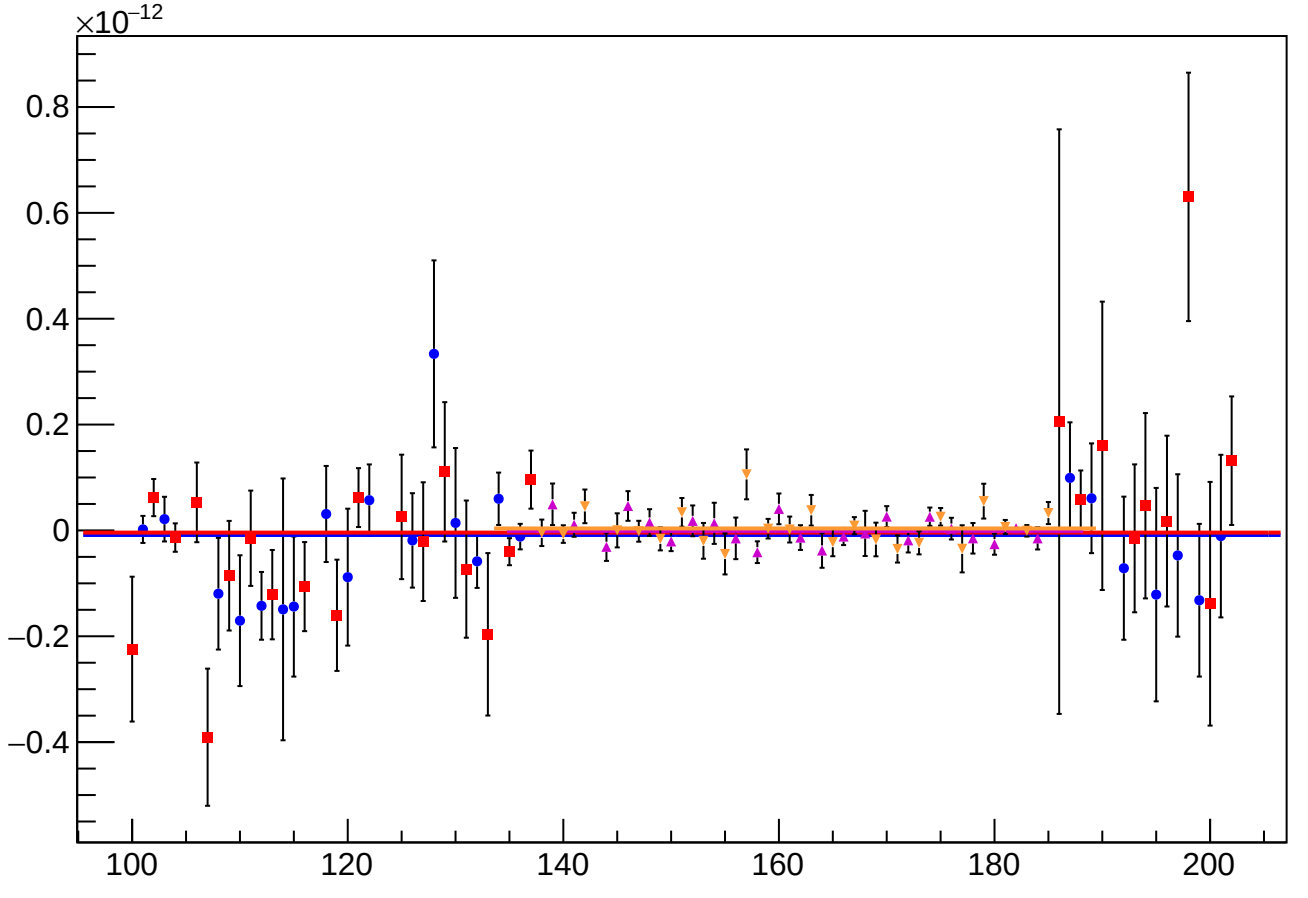
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 80.238+/-0.012 χ^2/NDF: 2311736.2/49

In: 83.290+/-0.011 χ^2/NDF:1839783.7/45

Out: 83.272+/-0.011 χ^2/NDF:2941566.0/50

All: 83.281+/-0.008 χ^2/NDF: 4781351.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/22

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

Right Out: -0.000+/-0.000 χ^2/NDF: 42.2/26

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

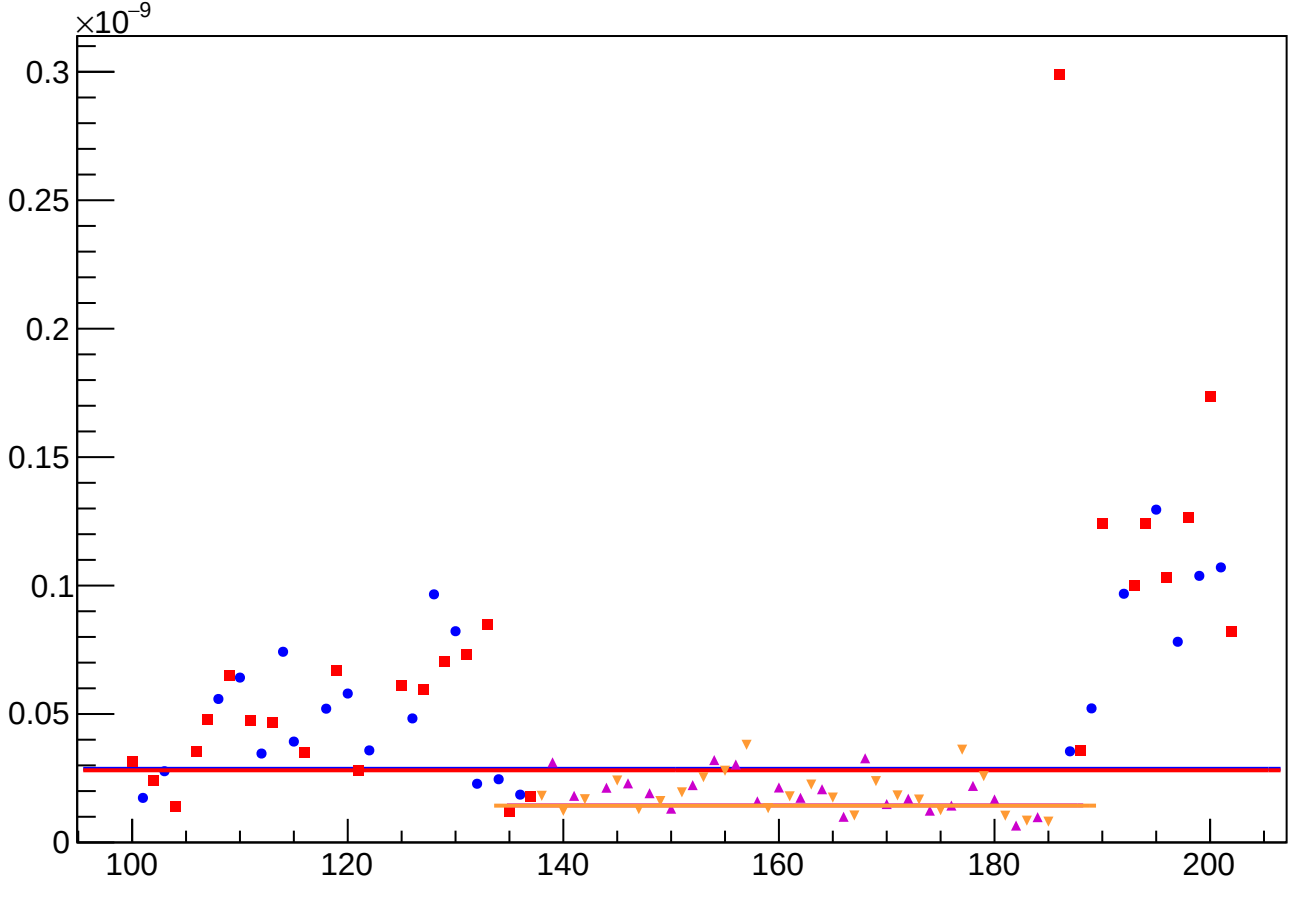
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 62.5/49

In: -0.000+/-0.000 χ^2/NDF:44.2/45

Out: 0.000+/-0.000 χ^2/NDF:67.5/50

All: 0.000+/-0.000 χ^2/NDF: 112.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 4505936.7/22

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

Right Out: 0.000+/-0.000 χ^2/NDF: 7147481.4/26

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

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

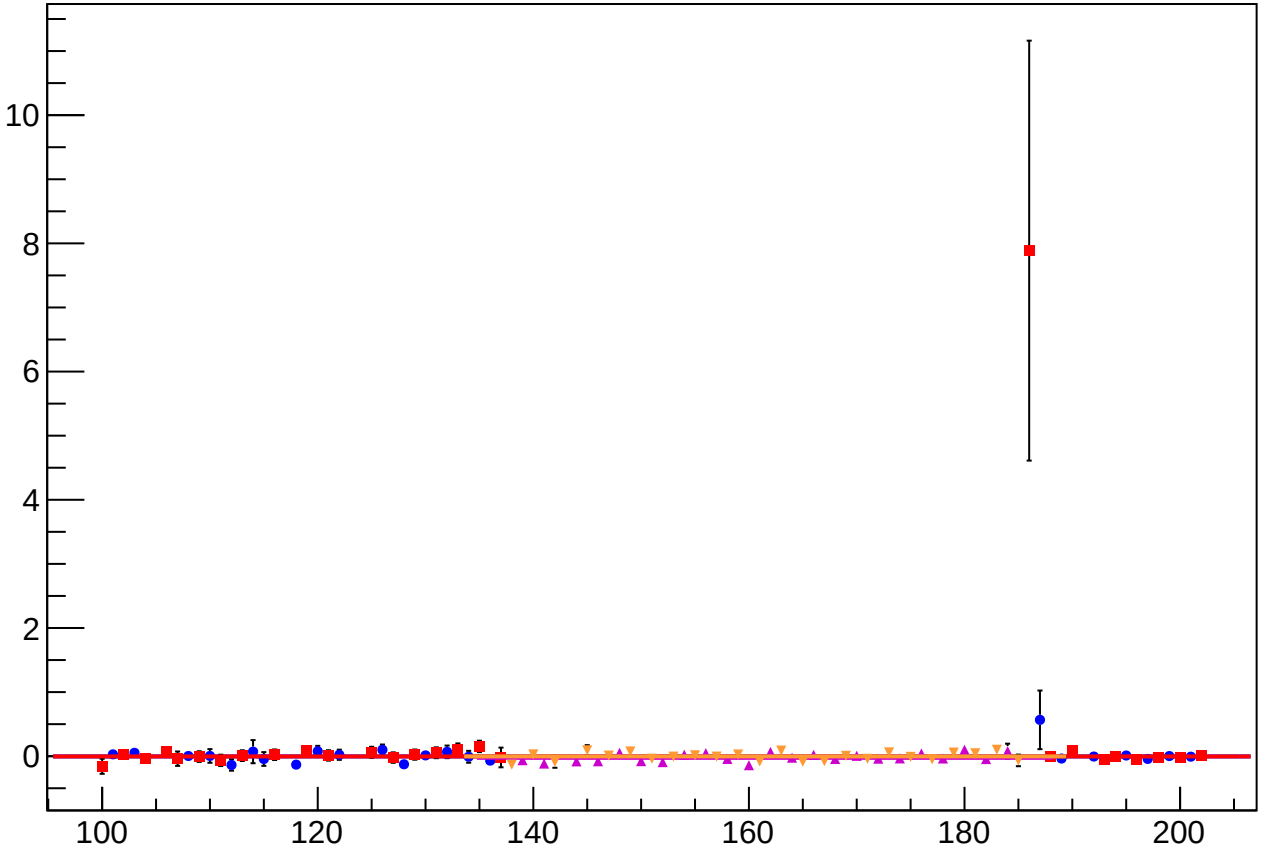
Right: 0.000+/-0.000 χ^2/NDF: 11655387.9/49

In: 0.000+/-0.000 χ^2/NDF:10968214.1/45

Out: 0.000+/-0.000 χ^2/NDF:12840177.6/50

All: 0.000+/-0.000 χ^2/NDF: 23809899.8/96

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.010 χ^2/NDF: 19.7/22

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

Right Out: -0.004+/-0.009 χ^2/NDF: 29.6/26

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

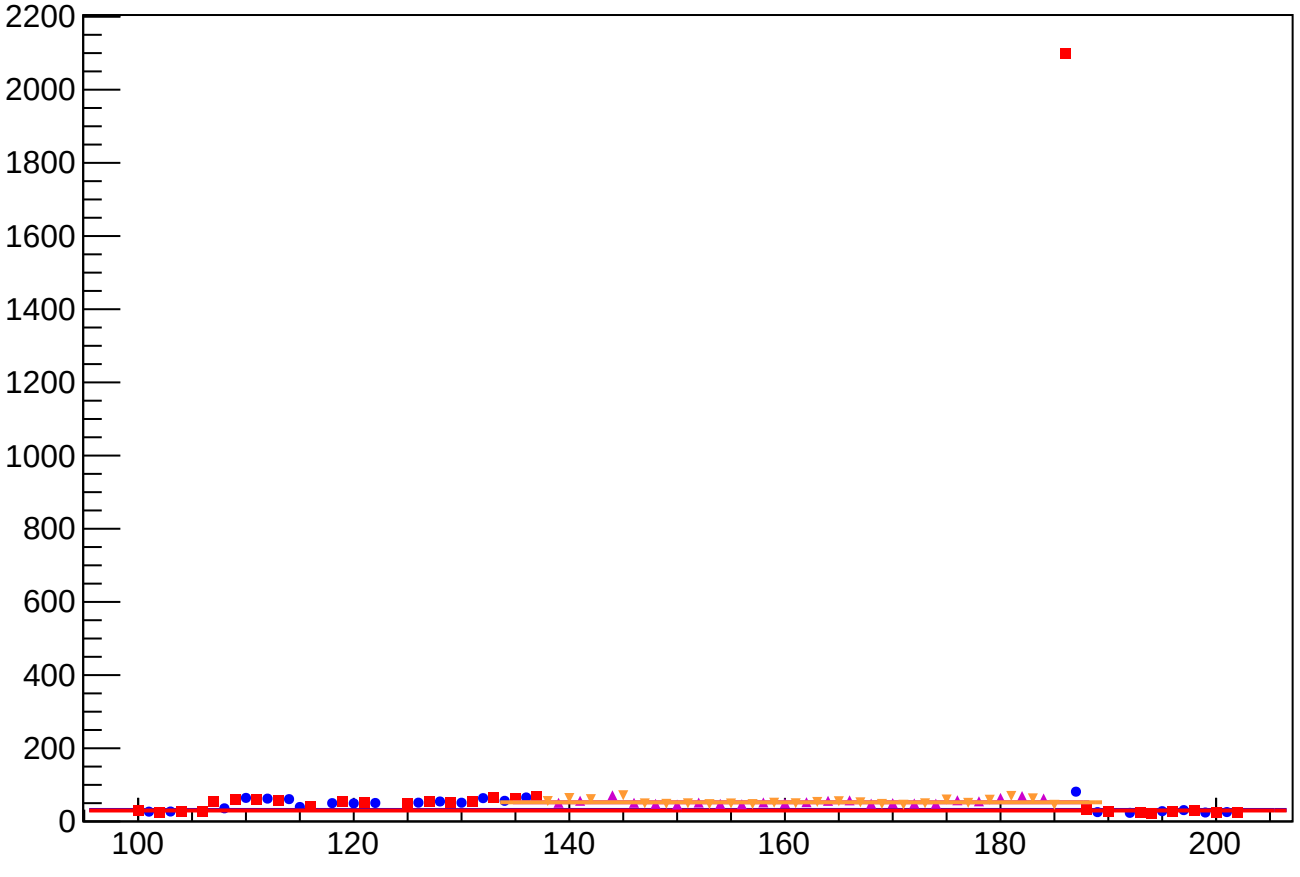
Right: -0.004+/-0.007 χ^2/NDF: 49.2/49

In: -0.012+/-0.008 χ^2/NDF:45.8/45

Out: -0.004+/-0.007 χ^2/NDF:52.7/50

All: -0.007+/-0.005 χ^2/NDF: 99.2/96

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.385+/-0.007 χ^2/NDF: 2722688.5/22

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

Right Out: 29.984+/-0.006 χ^2/NDF: 3794497.7/26

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

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

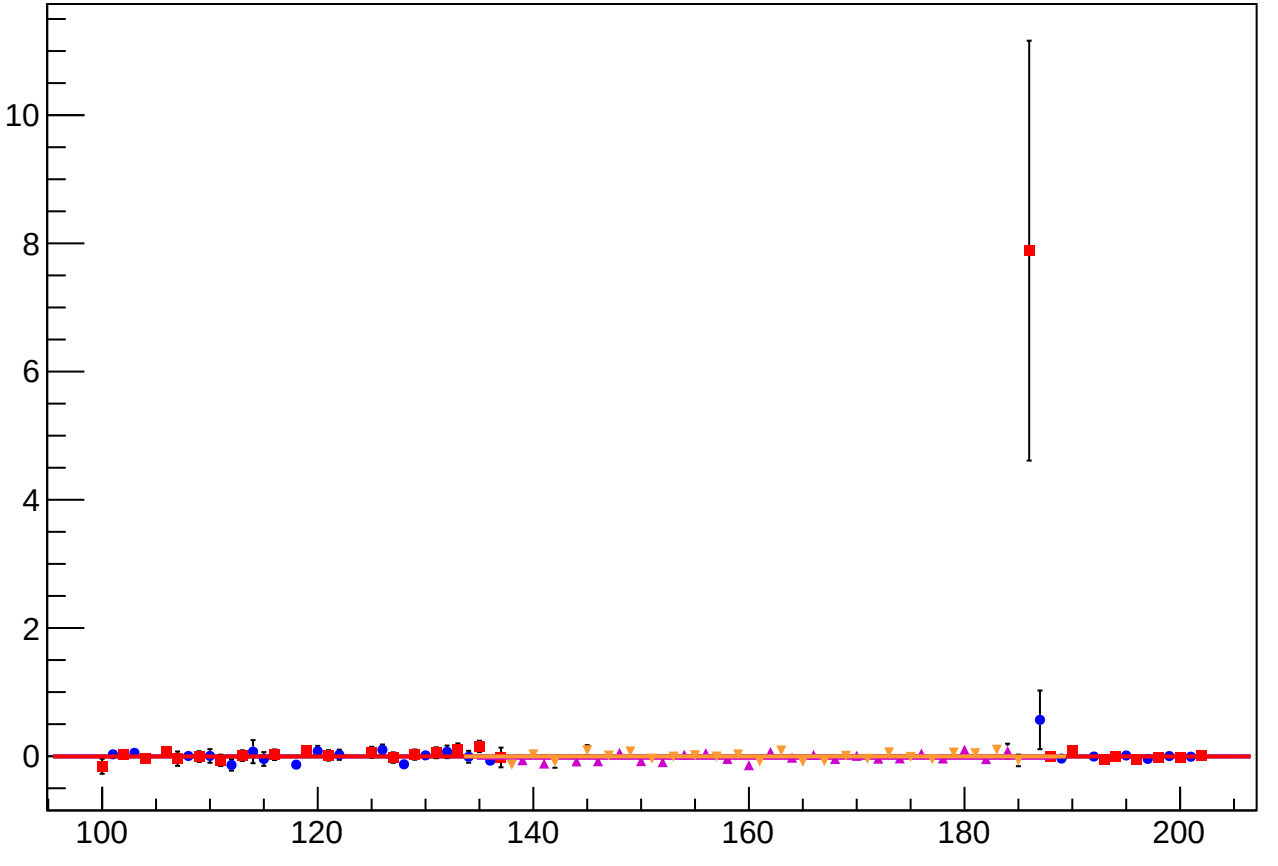
Right: 30.613+/-0.005 χ^2/NDF: 6539554.6/49

In: 39.444+/-0.005 χ^2/NDF:6682996.4/45

Out: 37.552+/-0.005 χ^2/NDF:8614760.4/50

All: 38.433+/-0.004 χ^2/NDF: 15361700.1/96

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.010 χ^2/NDF: 19.7/22

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

Right Out: -0.004+/-0.009 χ^2/NDF: 29.6/26

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

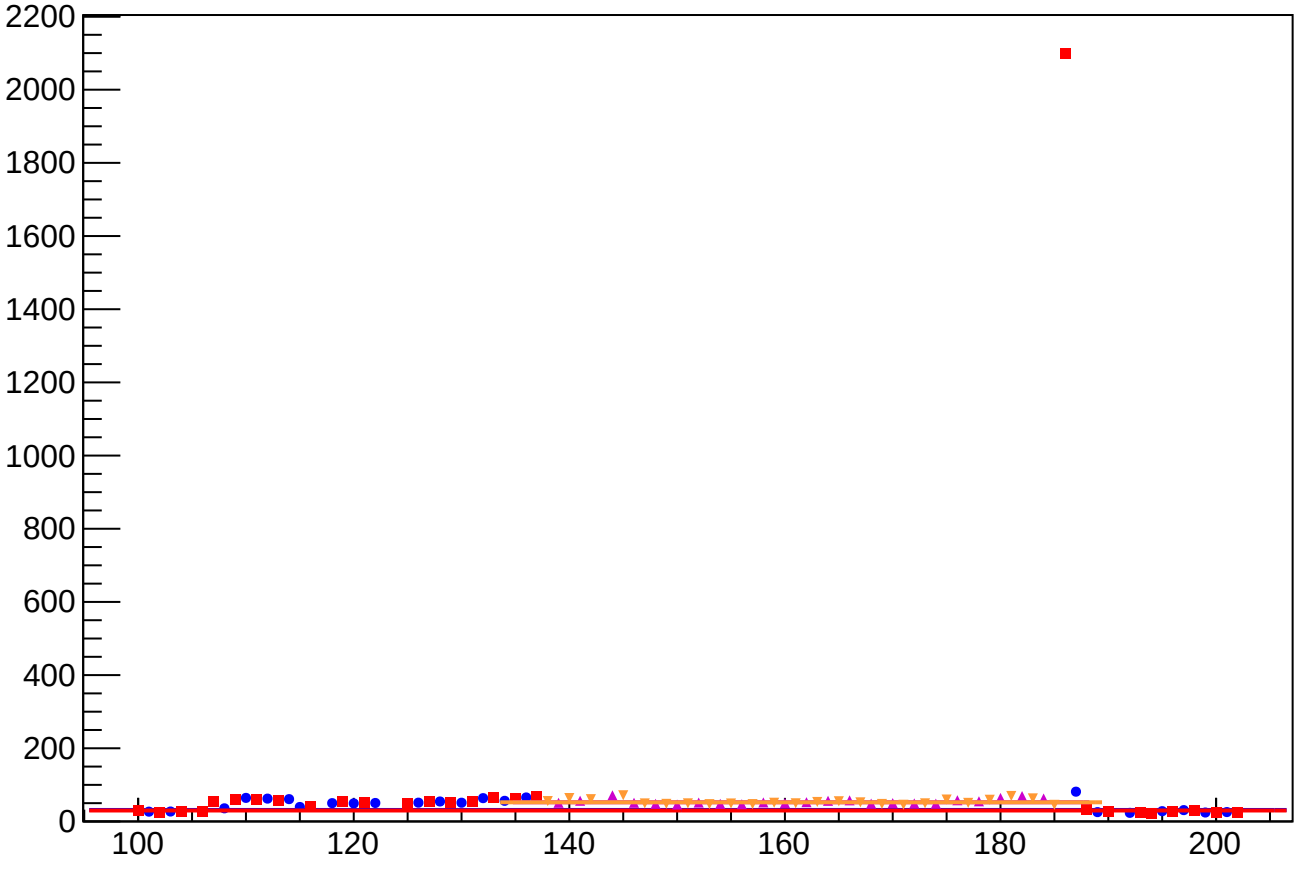
Right: -0.004+/-0.007 χ^2/NDF: 49.2/49

In: -0.012+/-0.008 χ^2/NDF:45.8/45

Out: -0.004+/-0.007 χ^2/NDF:52.7/50

All: -0.007+/-0.005 χ^2/NDF: 99.2/96

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.385+/-0.007 χ^2/NDF: 2722688.5/22

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

Right Out: 29.984+/-0.006 χ^2/NDF: 3794497.7/26

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

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

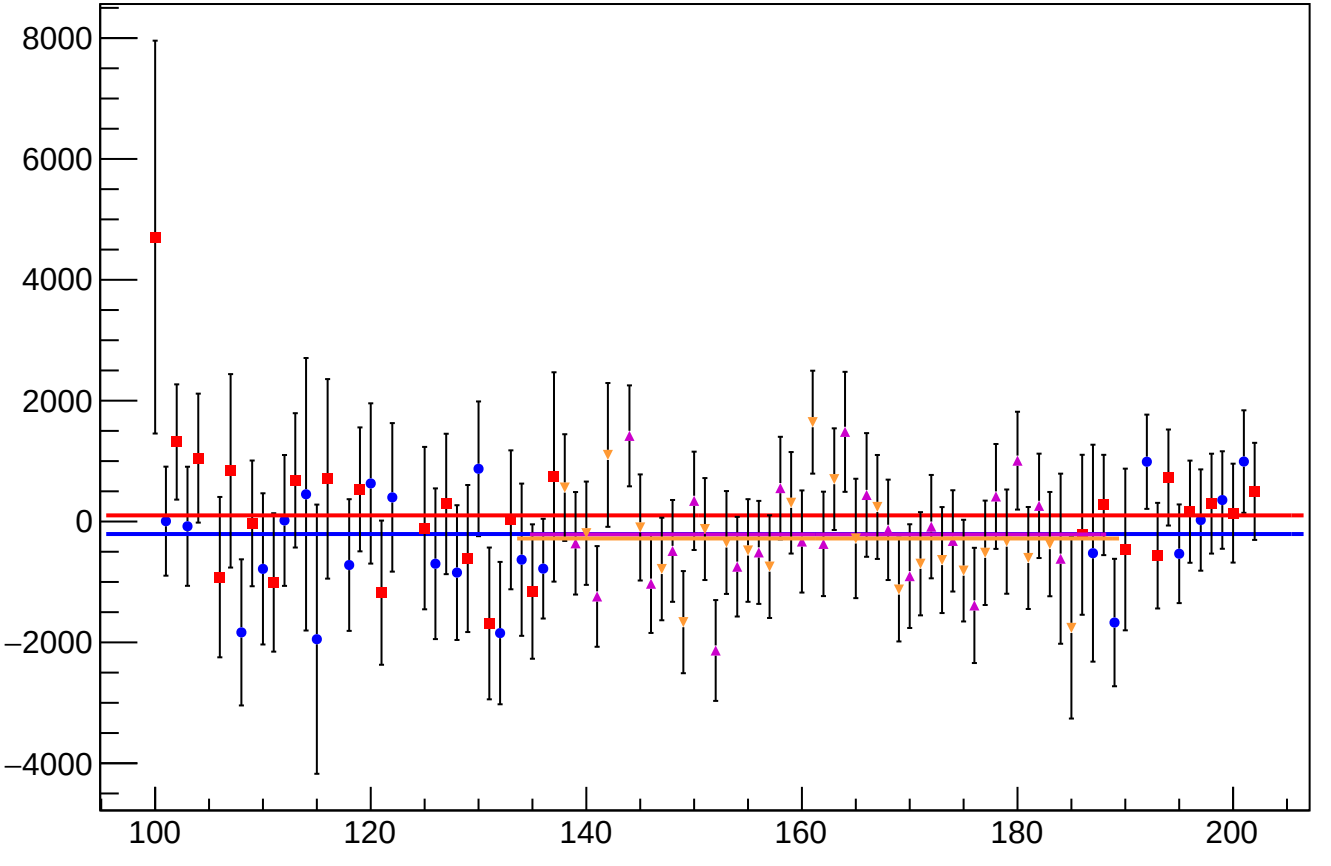
Right: 30.613+/-0.005 χ^2/NDF: 6539554.6/49

In: 39.444+/-0.005 χ^2/NDF:6682996.4/45

Out: 37.552+/-0.005 χ^2/NDF:8614760.4/50

All: 38.433+/-0.004 χ^2/NDF: 15361700.1/96

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.963+/-219.896 χ^2/NDF: 14.7/22

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

Right Out: 101.777+/-206.583 χ^2/NDF: 13.5/26

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

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

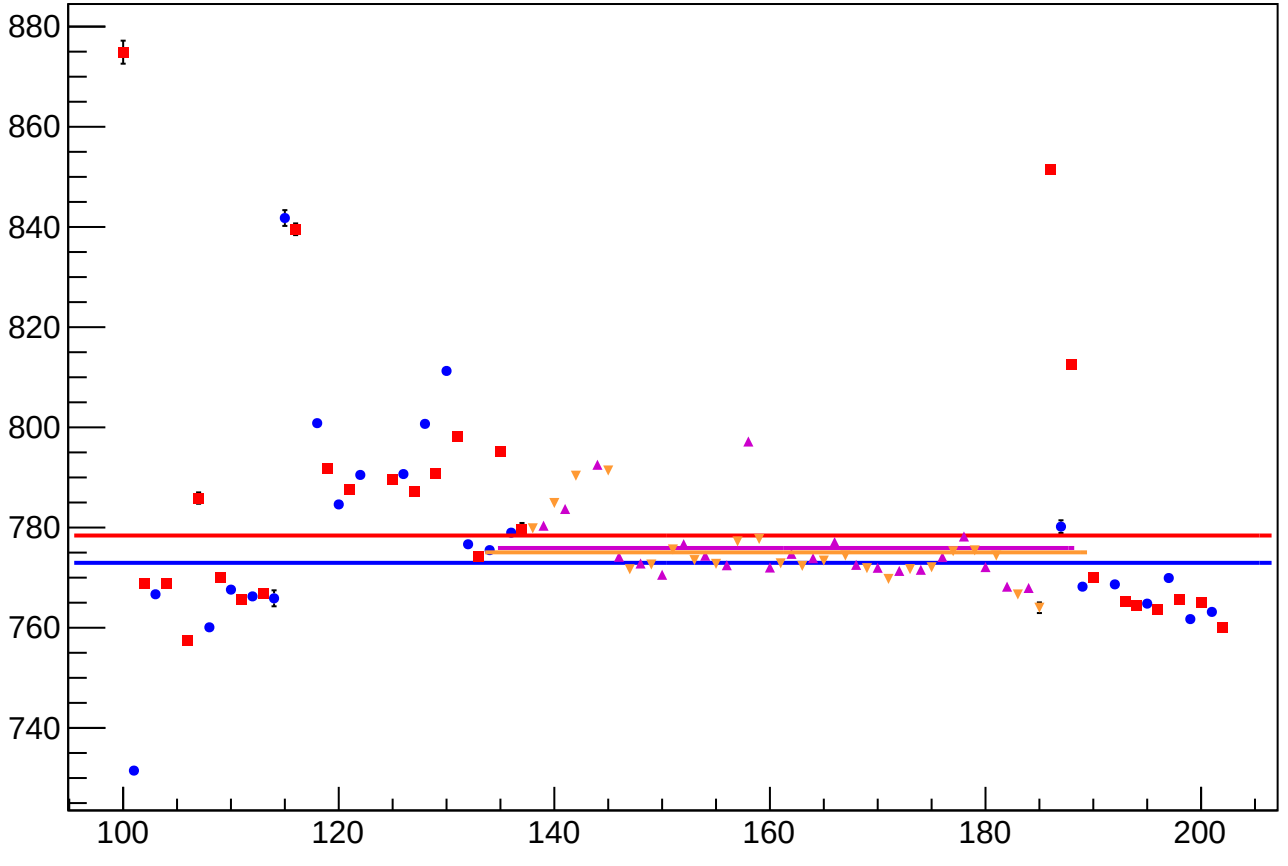
Right: -42.965+/-150.563 χ^2/NDF: 29.3/49

In: -210.812+/-139.825 χ^2/NDF:37.1/45

Out: -115.572+/-135.660 χ^2/NDF:31.6/50

All: -161.752+/-97.365 χ^2/NDF: 68.8/96

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 772.957+/-0.155 χ^2/NDF: 13601.9/22

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

Right Out: 778.409+/-0.146 χ^2/NDF: 21228.5/26

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

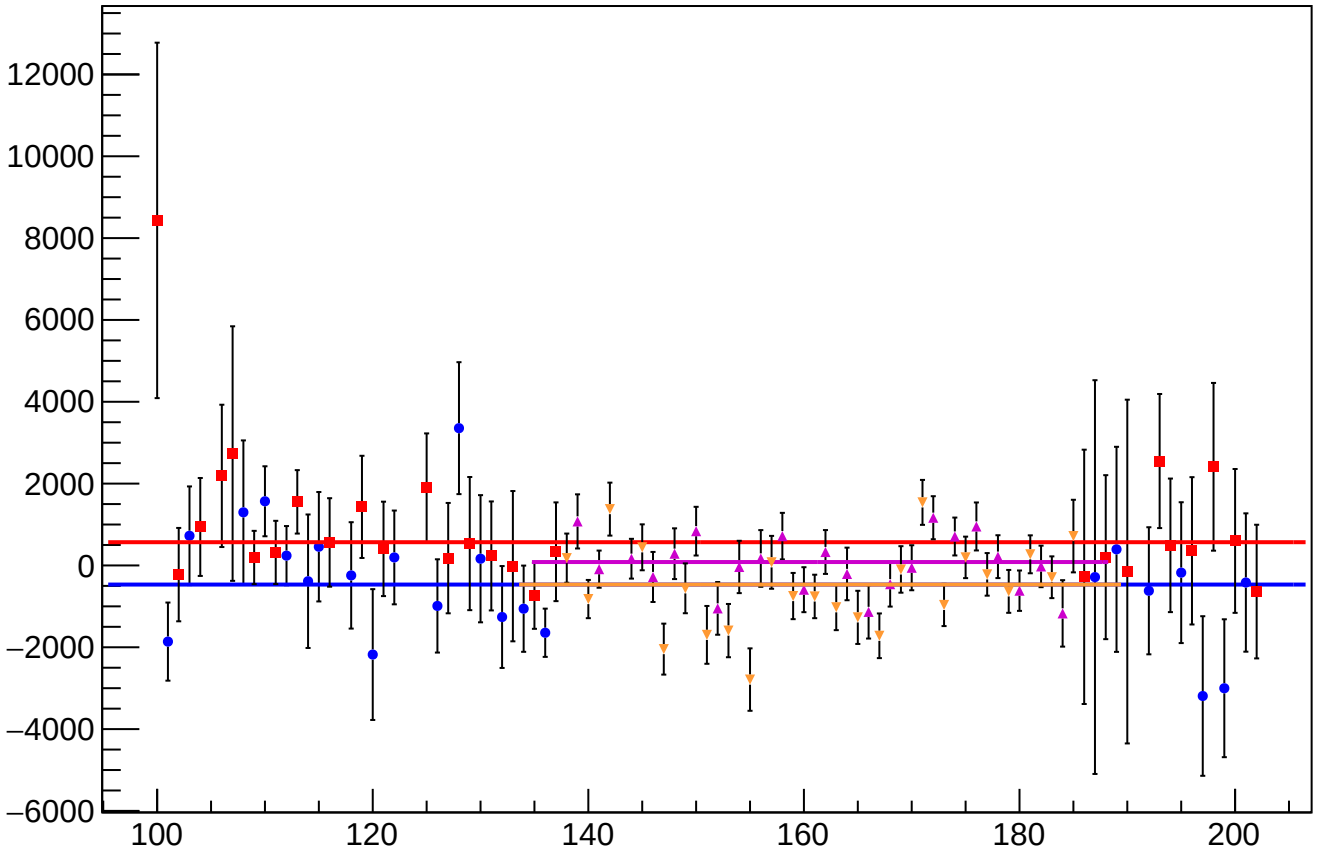
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 775.853+/-0.106 χ^2/NDF: 35483.6/49

In: 774.723+/-0.099 χ^2/NDF:16791.4/45

Out: 776.498+/-0.096 χ^2/NDF:23480.7/50

All: 775.638+/-0.069 χ^2/NDF: 40438.2/96



Right In: -467.362+/-250.165 χ^2/NDF: 27.8/22

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

Right Out: 568.038+/-243.471 χ^2/NDF: 14.7/26

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

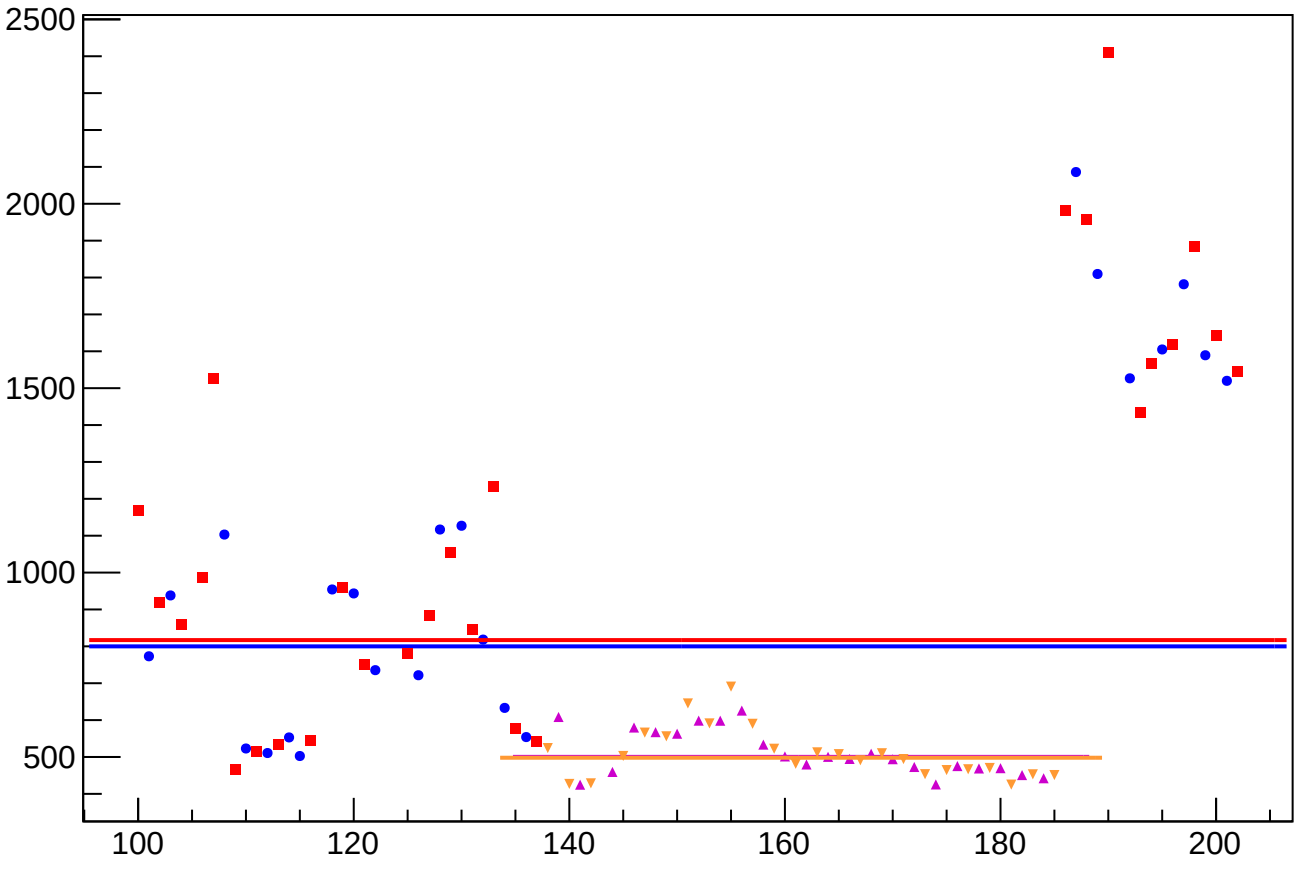
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 64.376+/-174.479 χ^2/NDF: 51.3/49

In: -16.772+/-106.581 χ^2/NDF:59.9/45

Out: -273.720+/-105.245 χ^2/NDF:93.8/50

All: -146.866+/-74.887 χ^2/NDF: 156.6/96



Right In: 799.927+/-0.177 χ^2/NDF: 4037771.9/22

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

Right Out: 816.954+/-0.172 χ^2/NDF: 5592565.8/26

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

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

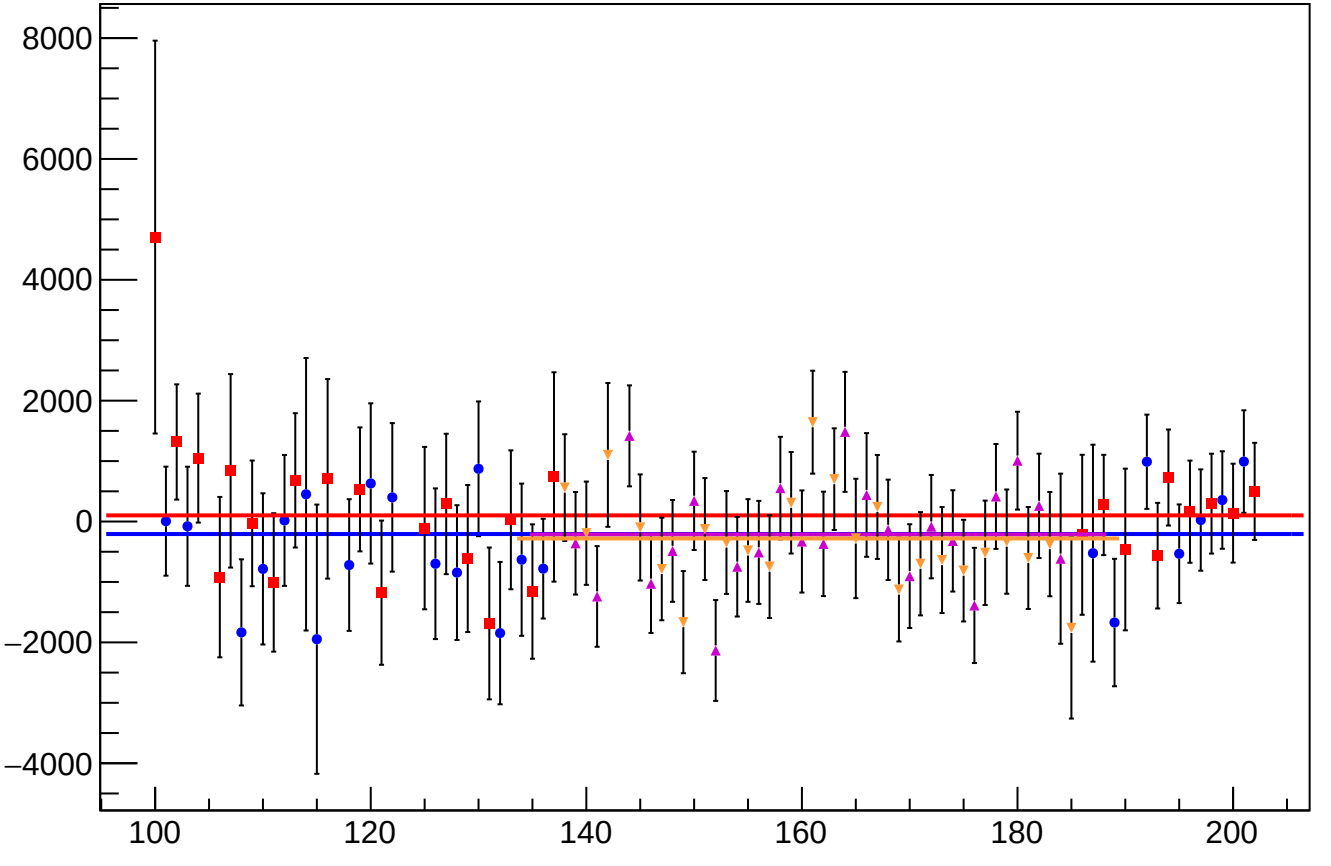
Right: 808.671+/-0.123 χ^2/NDF: 9635096.0/49

In: 554.692+/-0.075 χ^2/NDF:6863330.8/45

Out: 557.571+/-0.074 χ^2/NDF:8911144.5/50

All: 556.149+/-0.053 χ^2/NDF: 15775214.3/96

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.963+/-219.896 χ^2/NDF: 14.7/22

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

Right Out: 101.777+/-206.583 χ^2/NDF: 13.5/26

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

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

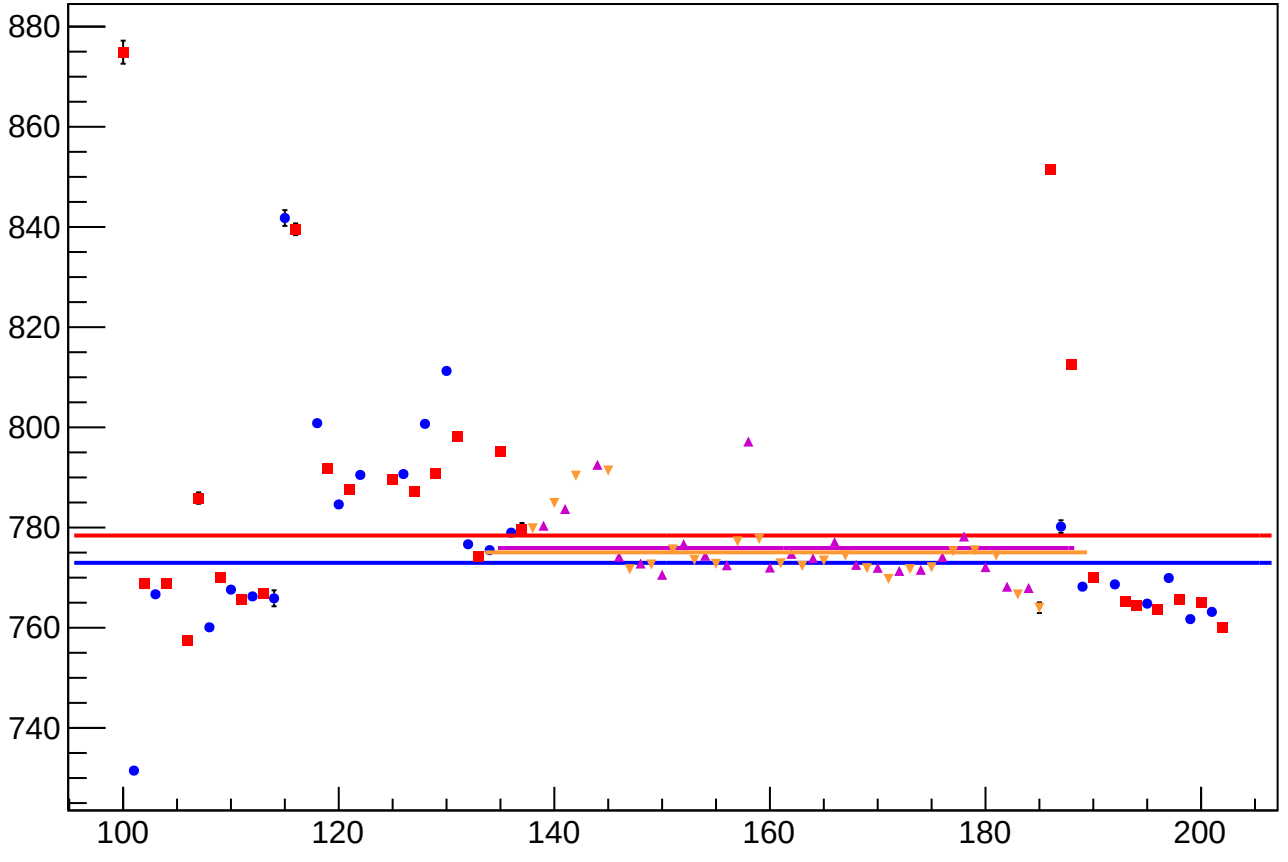
Right: -42.965+/-150.563 χ^2/NDF: 29.3/49

In: -210.812+/-139.825 χ^2/NDF:37.1/45

Out: -115.572+/-135.660 χ^2/NDF:31.6/50

All: -161.752+/-97.365 χ^2/NDF: 68.8/96

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 772.957+/-0.155 χ^2/NDF: 13601.9/22

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

Right Out: 778.409+/-0.146 χ^2/NDF: 21228.5/26

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

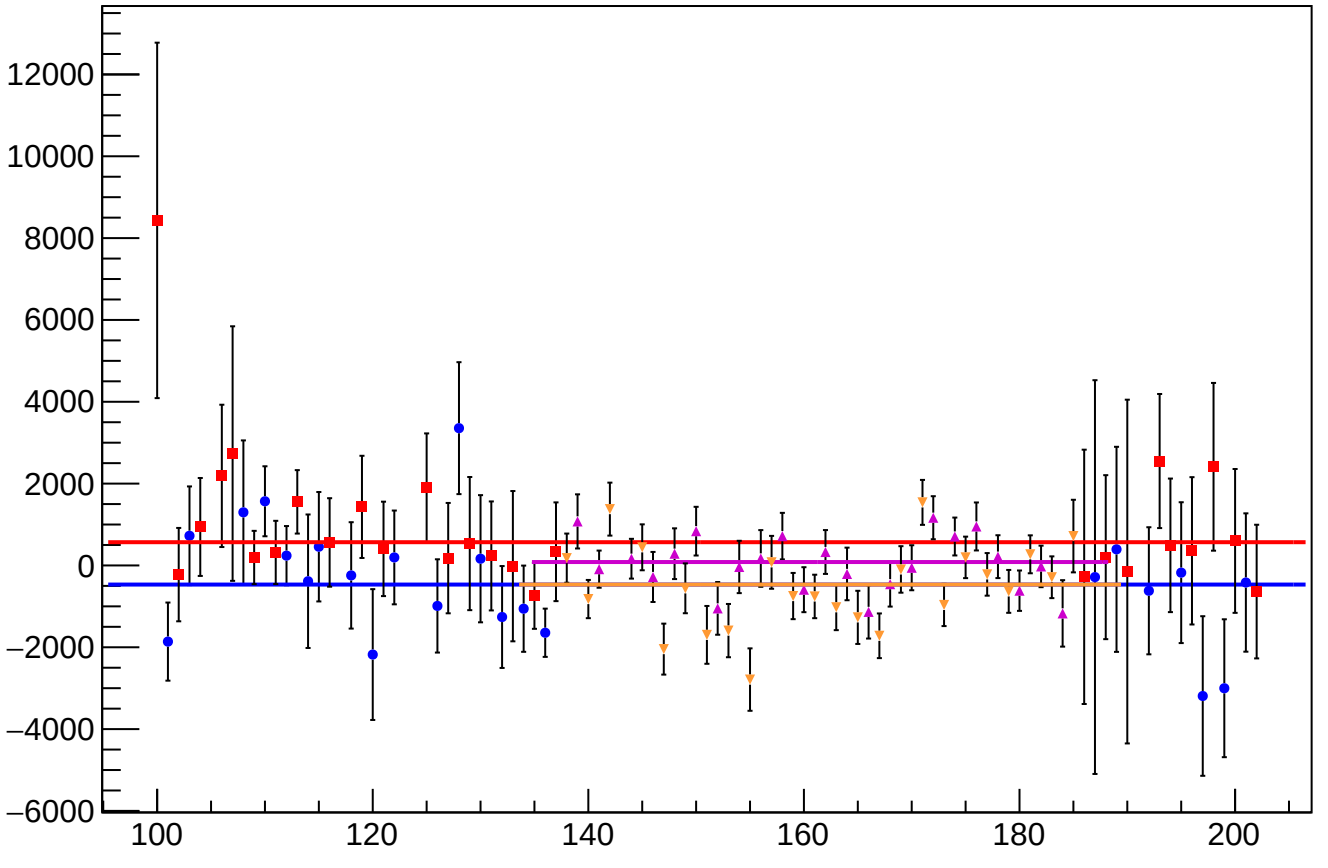
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 775.853+/-0.106 χ^2/NDF: 35483.6/49

In: 774.723+/-0.099 χ^2/NDF:16791.4/45

Out: 776.498+/-0.096 χ^2/NDF:23480.7/50

All: 775.638+/-0.069 χ^2/NDF: 40438.2/96



Right In: -467.362+/-250.165 χ^2/NDF: 27.8/22

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

Right Out: 568.038+/-243.471 χ^2/NDF: 14.7/26

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

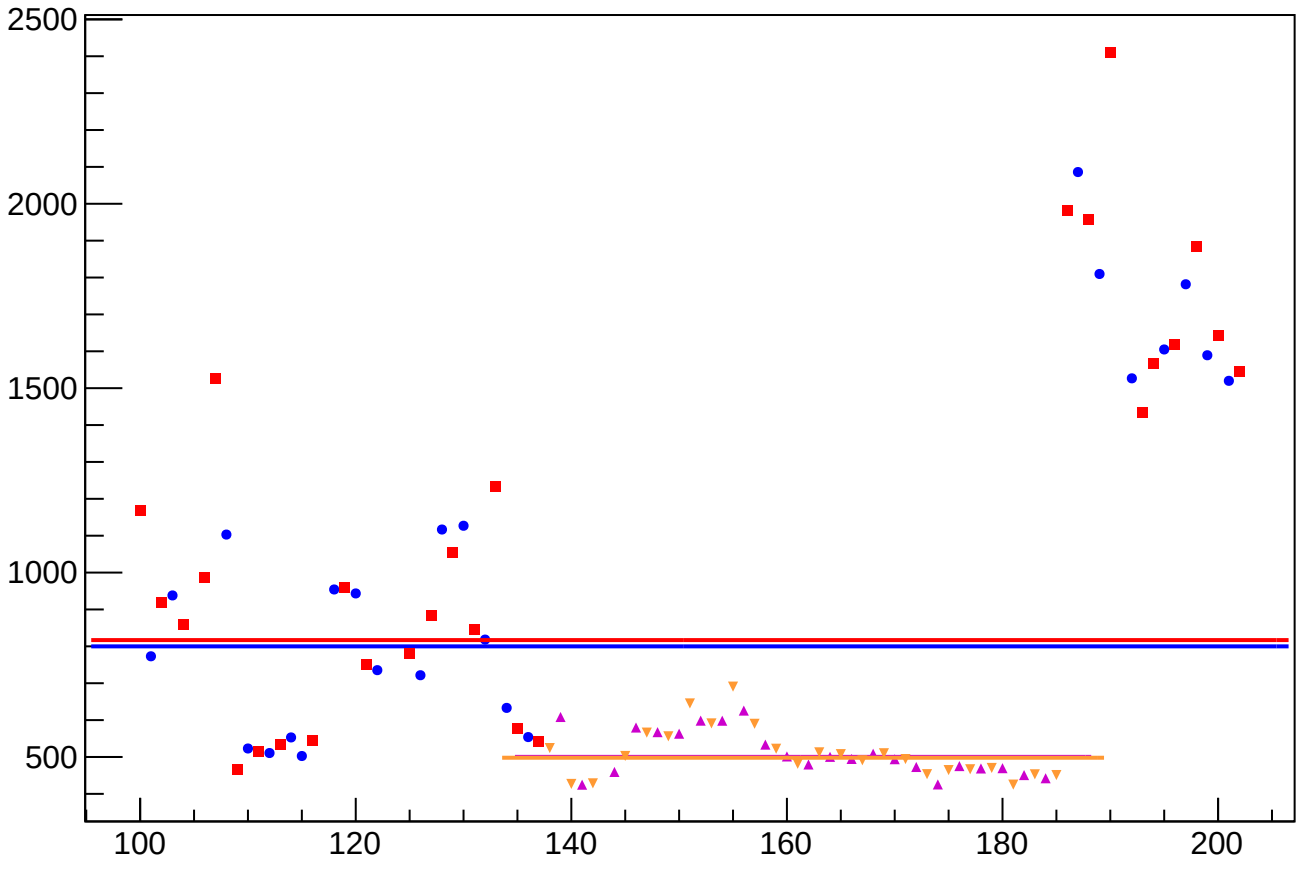
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 64.376+/-174.479 χ^2/NDF: 51.3/49

In: -16.772+/-106.581 χ^2/NDF:59.9/45

Out: -273.720+/-105.245 χ^2/NDF:93.8/50

All: -146.866+/-74.887 χ^2/NDF: 156.6/96



Right In: 799.927+/-0.177 χ^2/NDF: 4037771.9/22

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

Right Out: 816.954+/-0.172 χ^2/NDF: 5592565.8/26

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

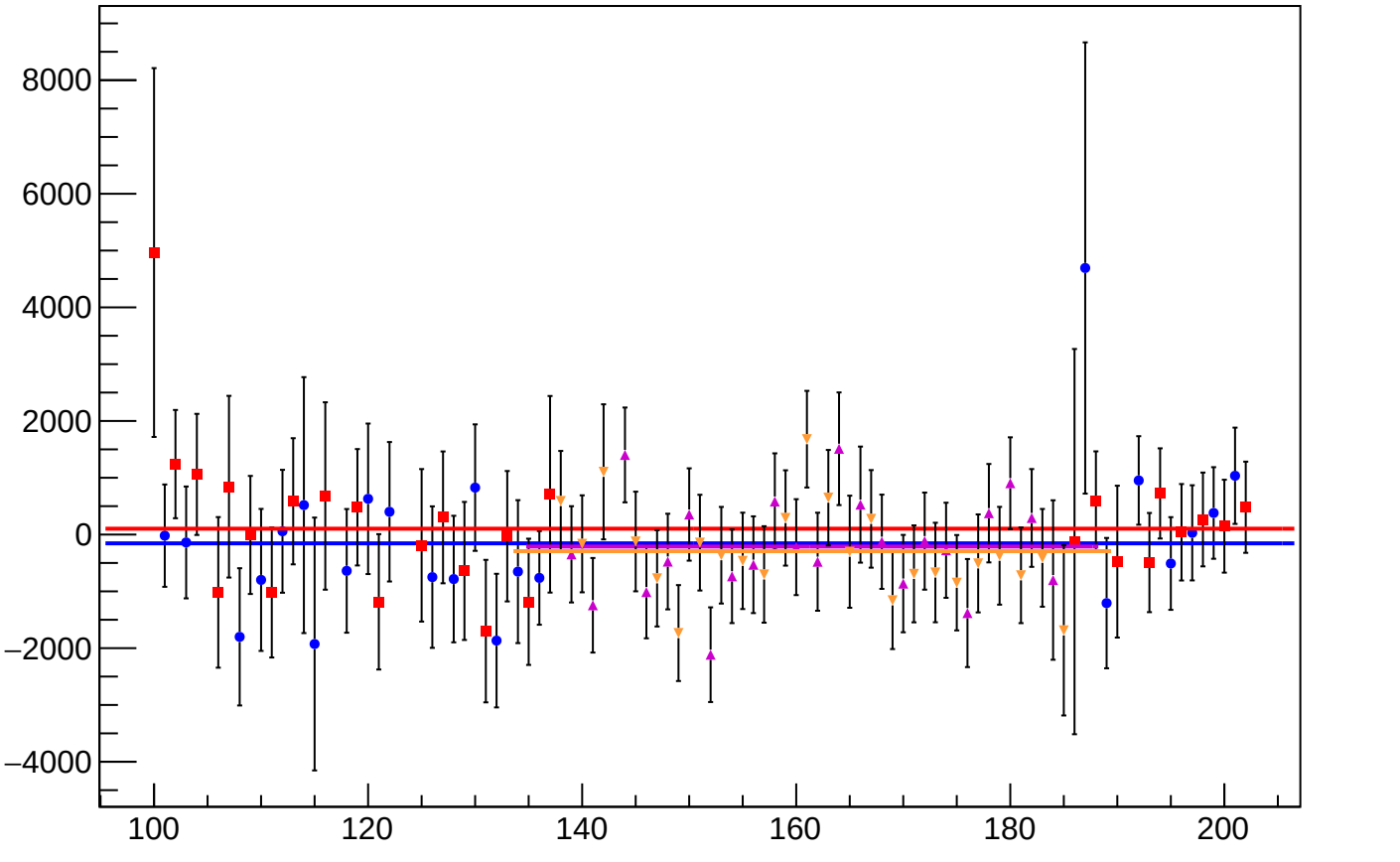
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 808.671+/-0.123 χ^2/NDF: 9635096.0/49

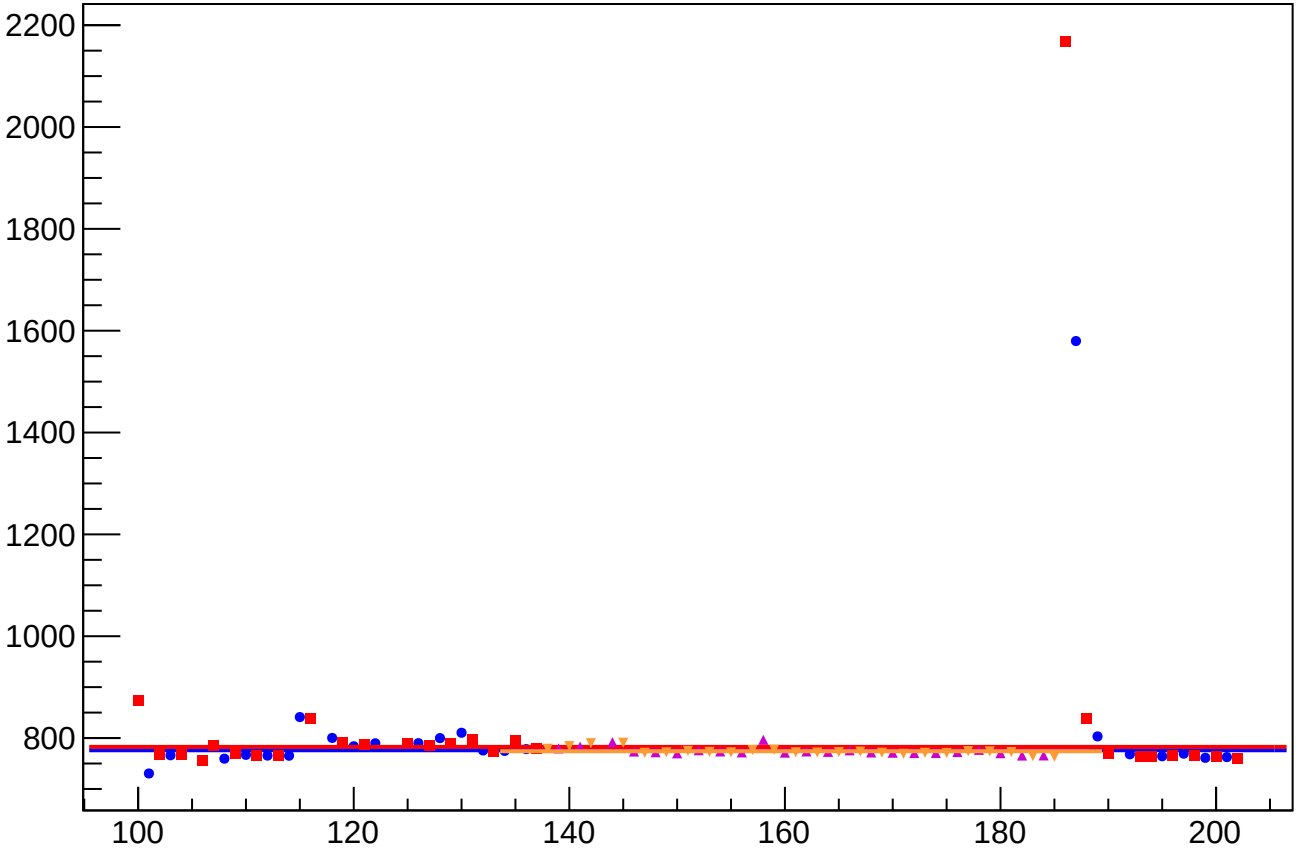
In: 554.692+/-0.075 χ^2/NDF:6863330.8/45

Out: 557.571+/-0.074 χ^2/NDF:8911144.5/50

All: 556.149+/-0.053 χ^2/NDF: 15775214.3/96


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -154.499+/-221.794 χ²/NDF: 14.8/22
Left Out: -292.036+/-179.670 χ²/NDF:16.6/23
Right Out: 103.244+/-209.300 χ²/NDF: 13.8/26
Left In: -211.238+/-180.951 χ²/NDF:22.1/22
Left: -251.924+/-127.496 χ²/NDF: 38.8/46
Right: -18.164+/-152.223 χ²/NDF: 29.3/49
In: -188.564+/-140.208 χ²/NDF:37.0/45
Out: -124.333+/-136.329 χ²/NDF:32.5/50
All: -155.547+/-97.742 χ²/NDF: 69.6/96

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 776.048+/-0.157 χ^2/NDF: 97065.6/22

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

Right Out: 782.646+/-0.148 χ^2/NDF: 355776.1/26

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

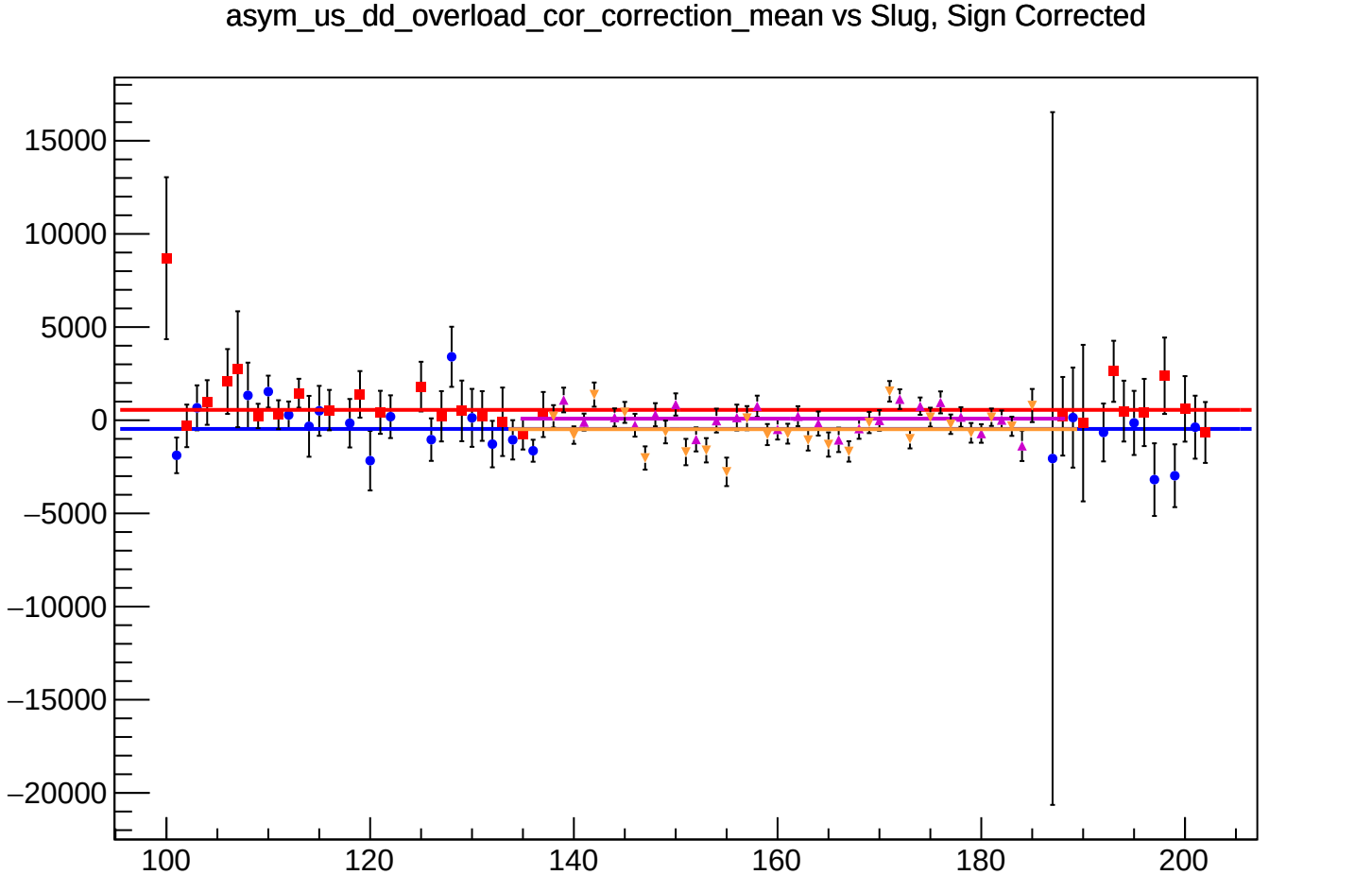
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

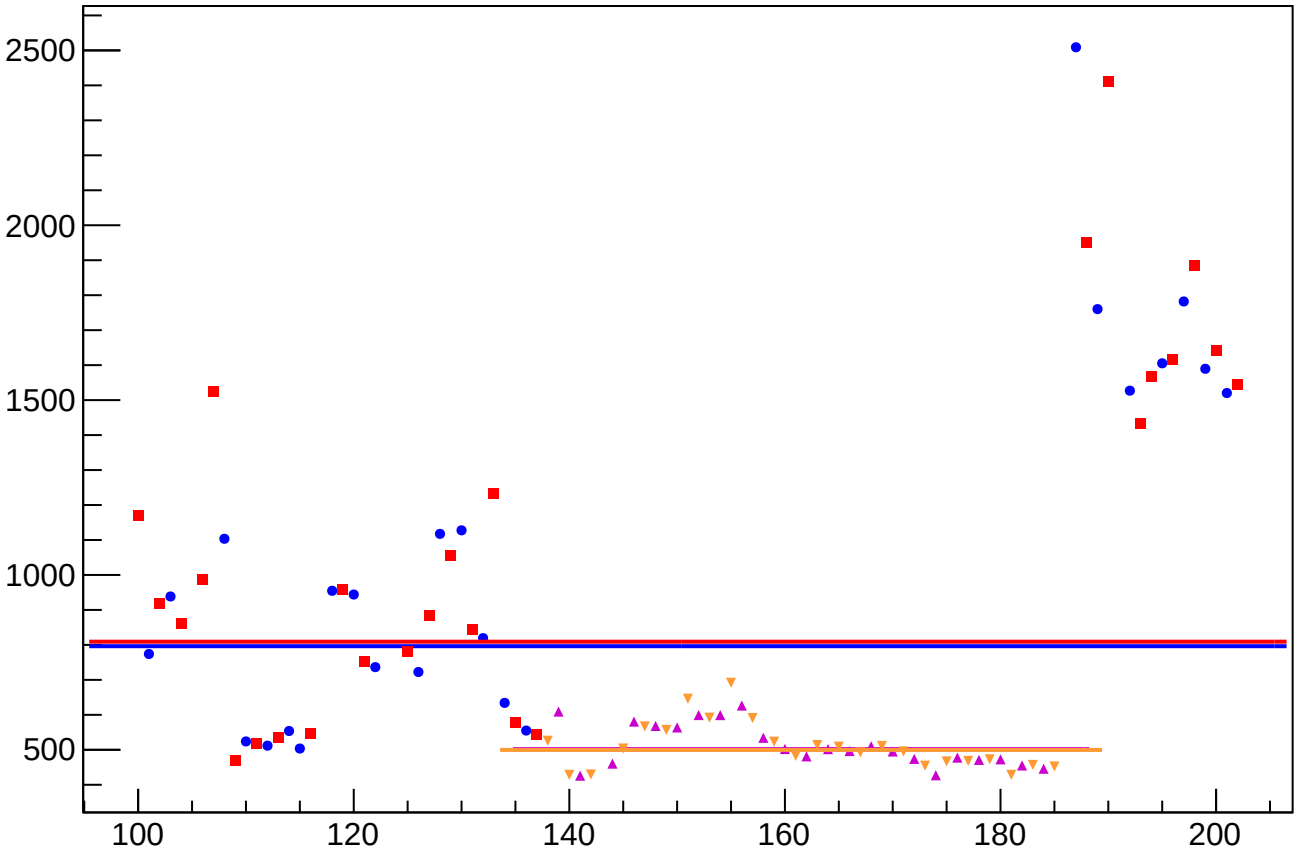
Right: 779.538+/-0.108 χ^2/NDF: 453777.7/49

In: 775.413+/-0.099 χ^2/NDF:100241.1/45

Out: 777.750+/-0.096 χ^2/NDF:359737.4/50

All: 776.614+/-0.069 χ^2/NDF: 460264.1/96


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -466.772+/-250.969 χ²/NDF: 27.8/22
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 555.777+/-244.731 χ²/NDF: 14.4/25
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 57.370+/-175.215 χ²/NDF: 50.7/48
In: -16.640+/-106.929 χ²/NDF:60.0/45
Out: -288.130+/-105.625 χ²/NDF:92.5/49
All: -154.052+/-75.145 χ²/NDF: 155.8/95



Right In: 796.268+/-0.177 χ^2/NDF: 3831348.2/22

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

Right Out: 809.212+/-0.173 χ^2/NDF: 5218489.2/25

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

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

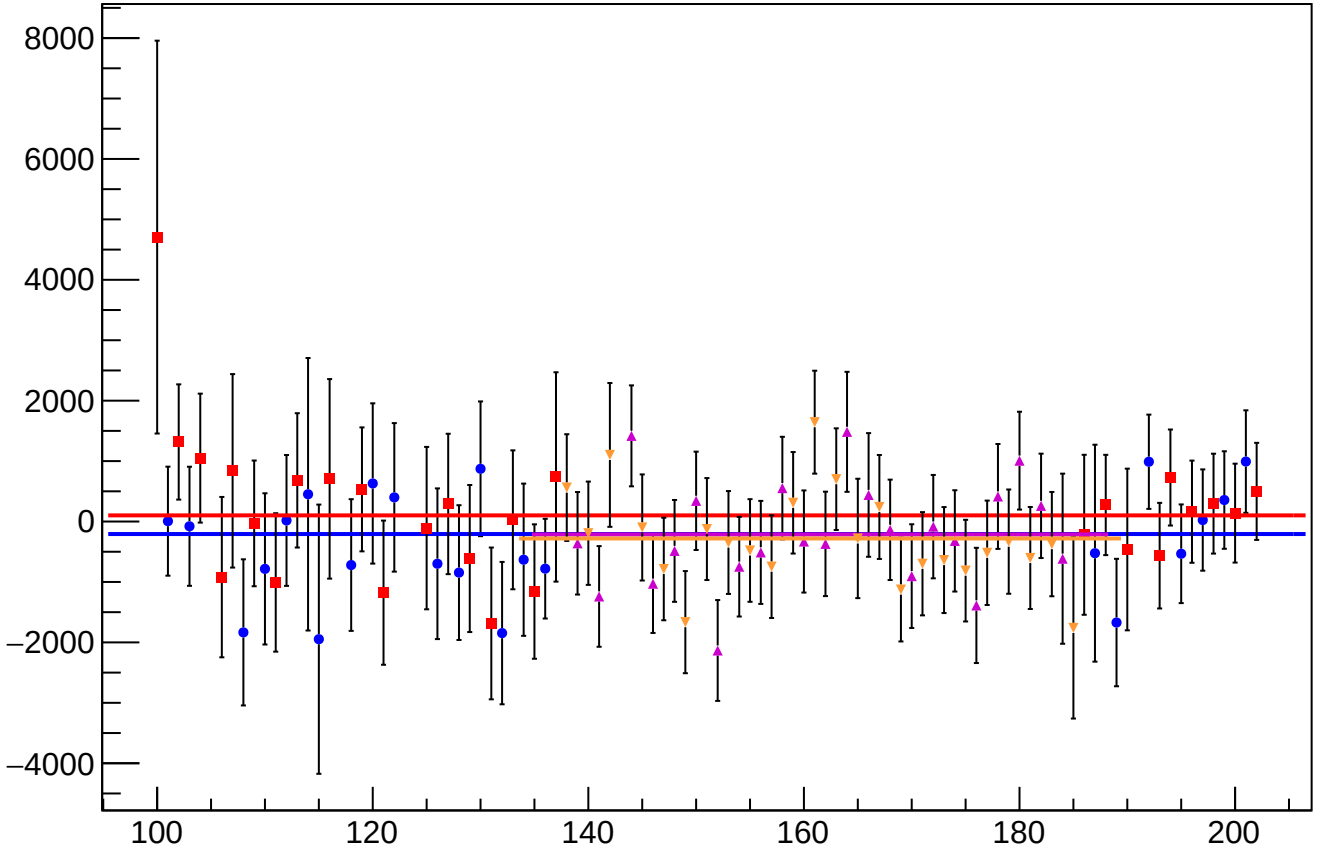
Right: 802.903+/-0.124 χ^2/NDF: 9052564.4/48

In: 555.440+/-0.076 χ^2/NDF:6548886.0/45

Out: 557.330+/-0.075 χ^2/NDF:8338379.0/49

All: 556.397+/-0.053 χ^2/NDF: 14887581.0/95

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.963+/-219.896 χ^2/NDF: 14.7/22

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

Right Out: 101.777+/-206.583 χ^2/NDF: 13.5/26

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

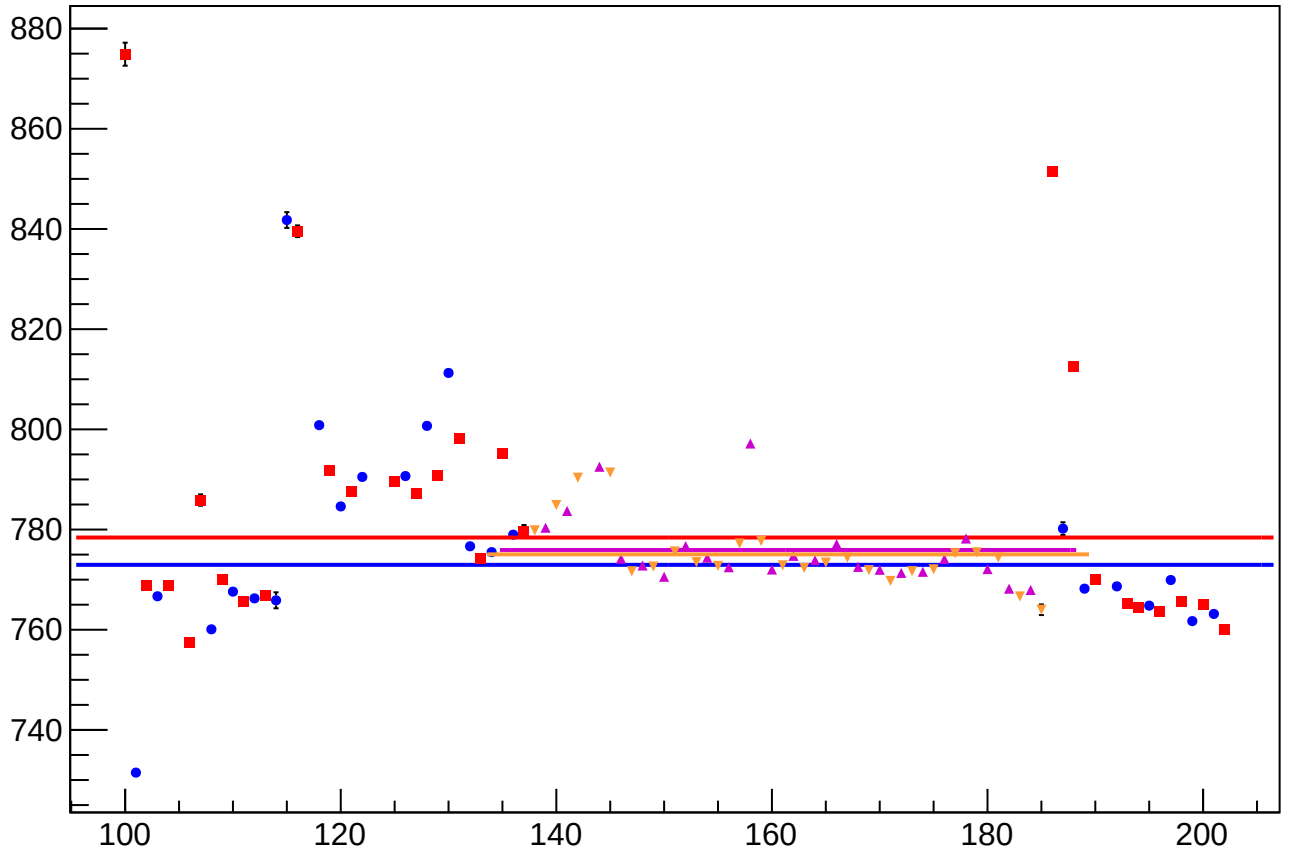
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -42.965+/-150.563 χ^2/NDF: 29.3/49

In: -210.812+/-139.825 χ^2/NDF:37.1/45

Out: -115.572+/-135.660 χ^2/NDF:31.6/50

All: -161.752+/-97.365 χ^2/NDF: 68.8/96



Right In: 772.957+/-0.155 χ^2/NDF: 13601.9/22

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

Right Out: 778.409+/-0.146 χ^2/NDF: 21228.5/26

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

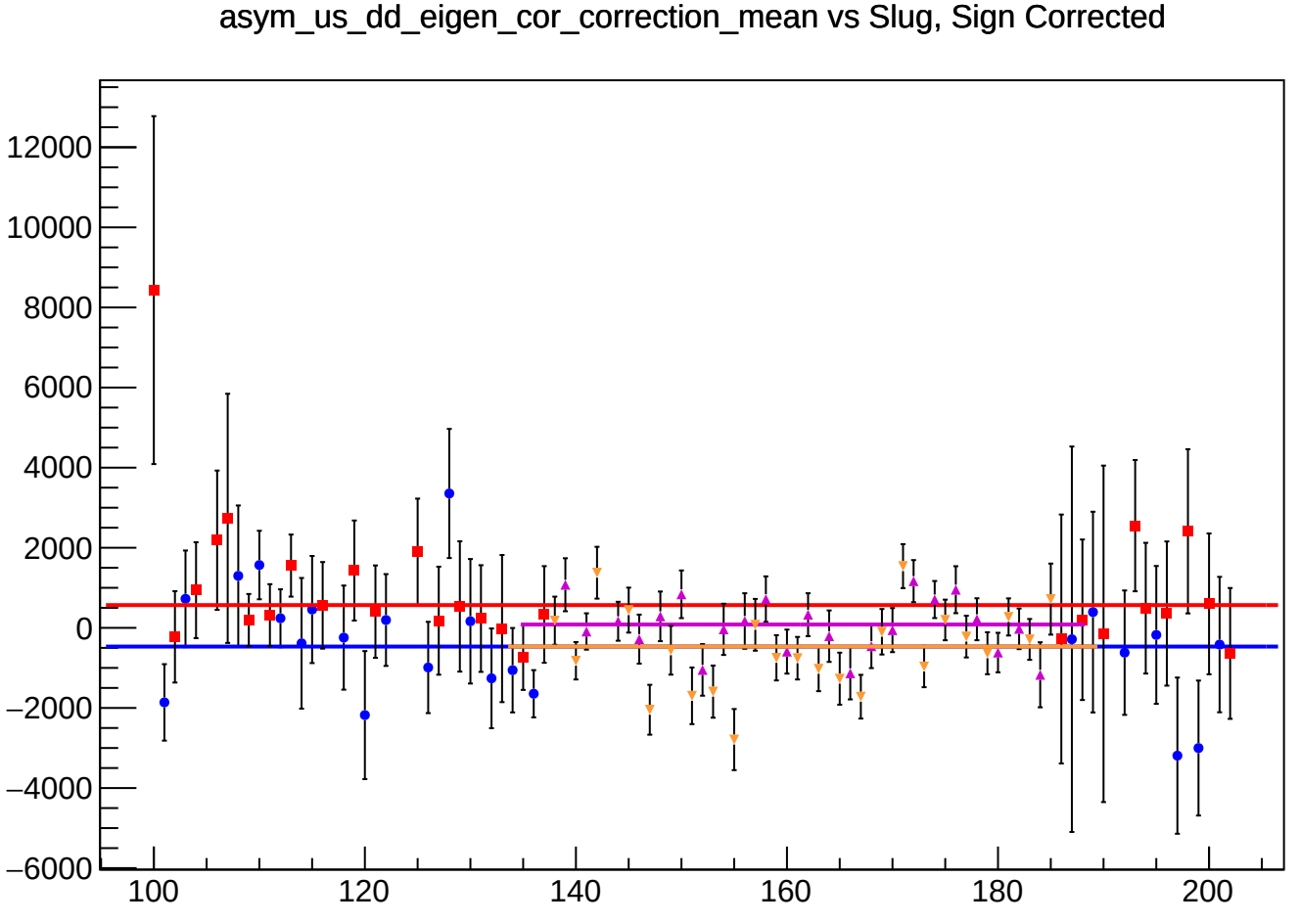
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 775.853+/-0.106 χ^2/NDF: 35483.6/49

In: 774.723+/-0.099 χ^2/NDF:16791.4/45

Out: 776.498+/-0.096 χ^2/NDF:23480.7/50

All: 775.638+/-0.069 χ^2/NDF: 40438.2/96



Right In: -467.362+/-250.165 χ^2/NDF: 27.8/22

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

Right Out: 568.038+/-243.471 χ^2/NDF: 14.7/26

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

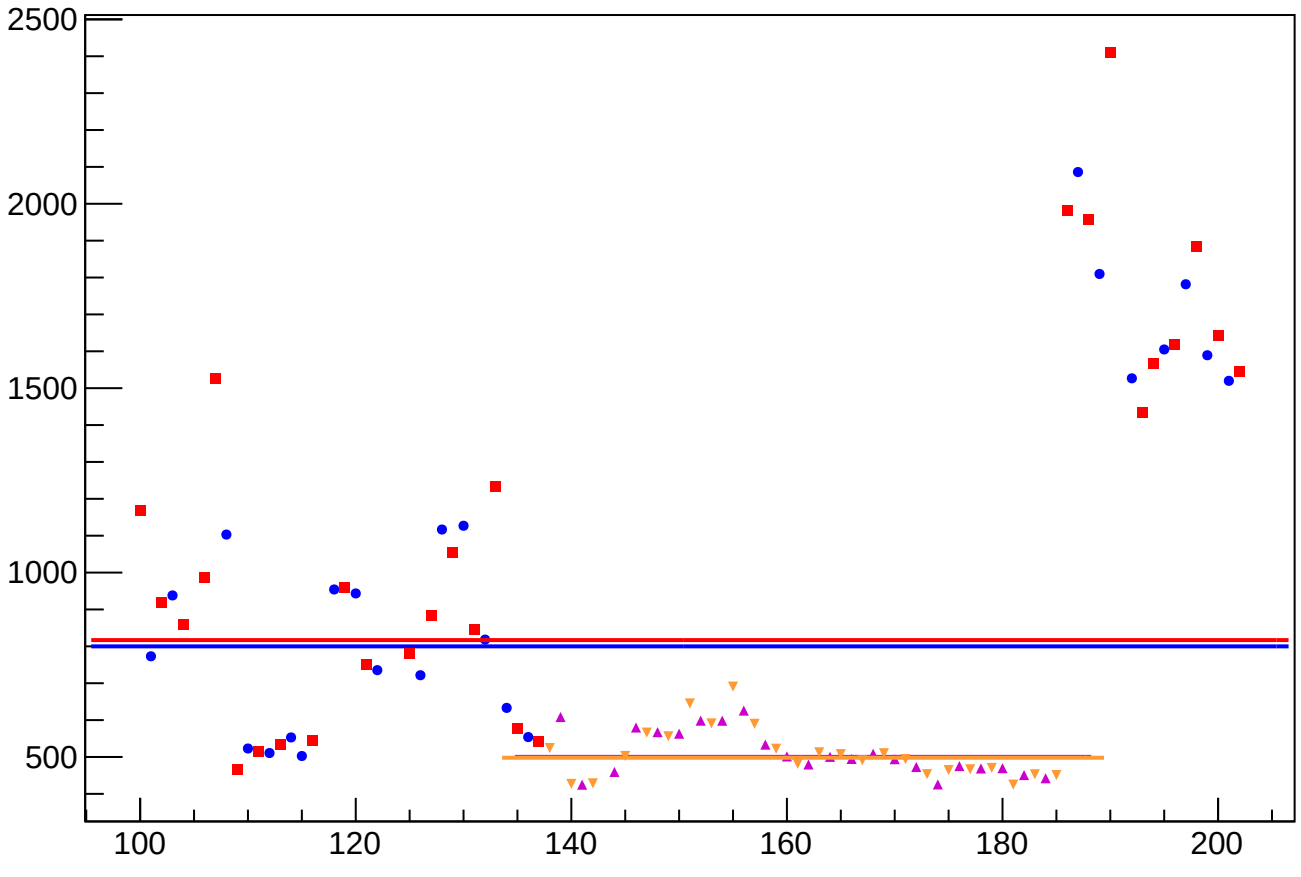
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 64.376+/-174.479 χ^2/NDF: 51.3/49

In: -16.772+/-106.581 χ^2/NDF:59.9/45

Out: -273.720+/-105.245 χ^2/NDF:93.8/50

All: -146.866+/-74.887 χ^2/NDF: 156.6/96



Right In: 799.927+/-0.177 χ^2/NDF: 4037771.9/22

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

Right Out: 816.954+/-0.172 χ^2/NDF: 5592565.8/26

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

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

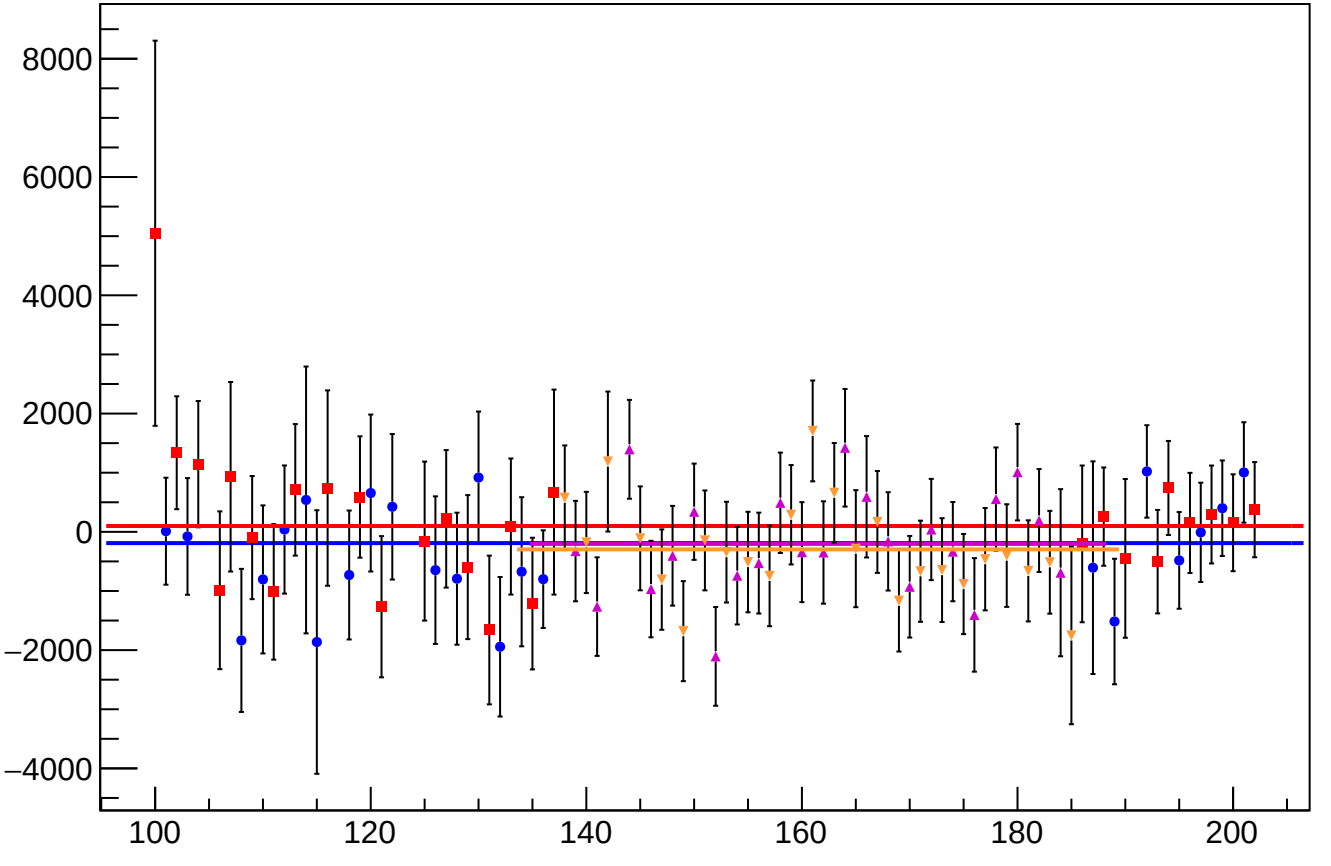
Right: 808.671+/-0.123 χ^2/NDF: 9635096.0/49

In: 554.692+/-0.075 χ^2/NDF:6863330.8/45

Out: 557.571+/-0.074 χ^2/NDF:8911144.5/50

All: 556.149+/-0.053 χ^2/NDF: 15775214.3/96

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -190.511+/-220.207 χ^2/NDF: 14.8/22

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

Right Out: 99.044+/-206.835 χ^2/NDF: 14.2/26

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

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

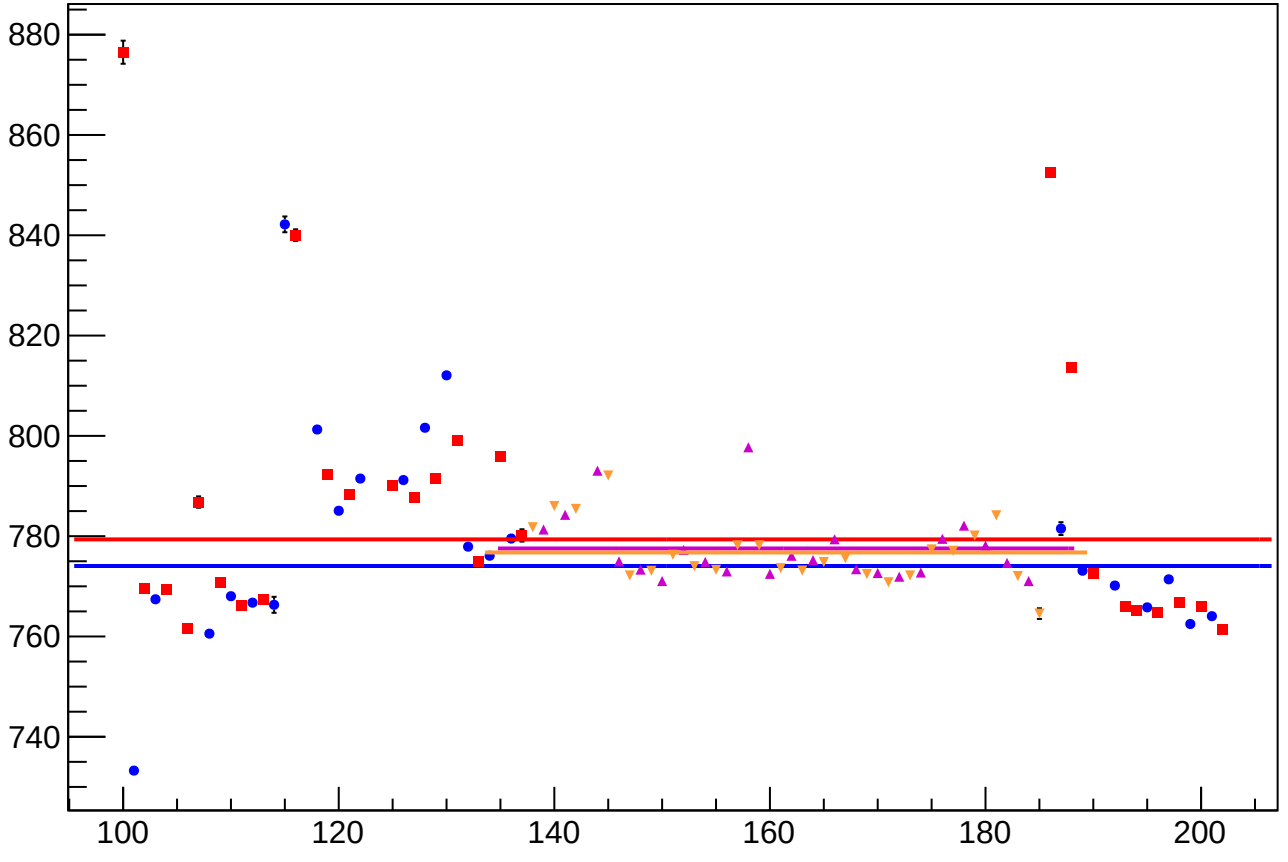
Right: -36.675+/-150.760 χ^2/NDF: 30.0/49

In: -198.148+/-140.080 χ^2/NDF:36.9/45

Out: -125.887+/-135.902 χ^2/NDF:33.0/50

All: -160.924+/-97.541 χ^2/NDF: 70.1/96

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 774.053+/-0.156 χ^2/NDF: 13255.6/22

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

Right Out: 779.361+/-0.146 χ^2/NDF: 20969.1/26

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

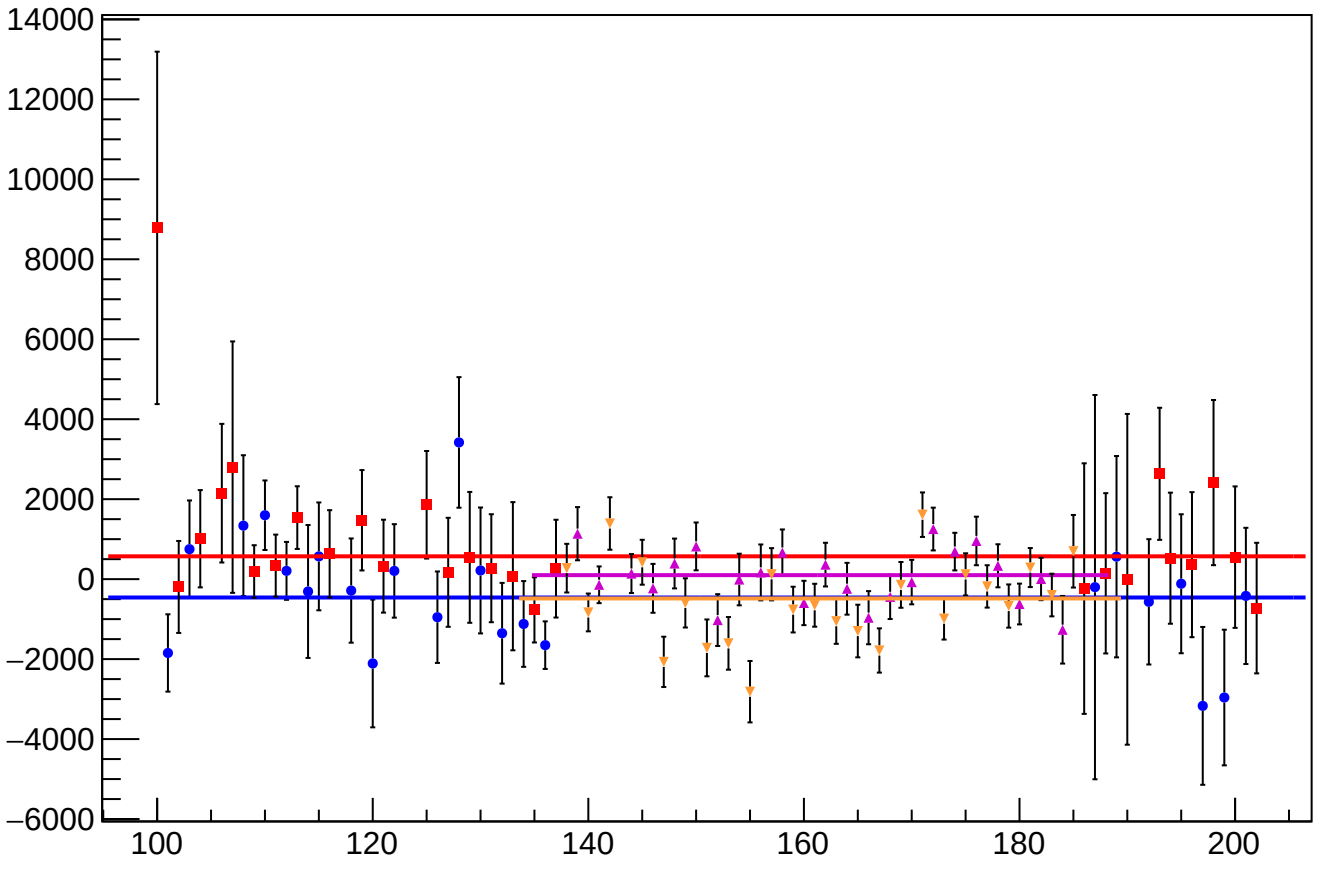
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 776.873+/-0.107 χ^2/NDF: 34842.1/49

In: 776.135+/-0.099 χ^2/NDF:16306.5/45

Out: 777.878+/-0.096 χ^2/NDF:22976.5/50

All: 777.033+/-0.069 χ^2/NDF: 39442.5/96



Right In: -458.956+/-252.576 χ^2/NDF: 27.7/22

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

Right Out: 570.654+/-245.503 χ^2/NDF: 14.9/26

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

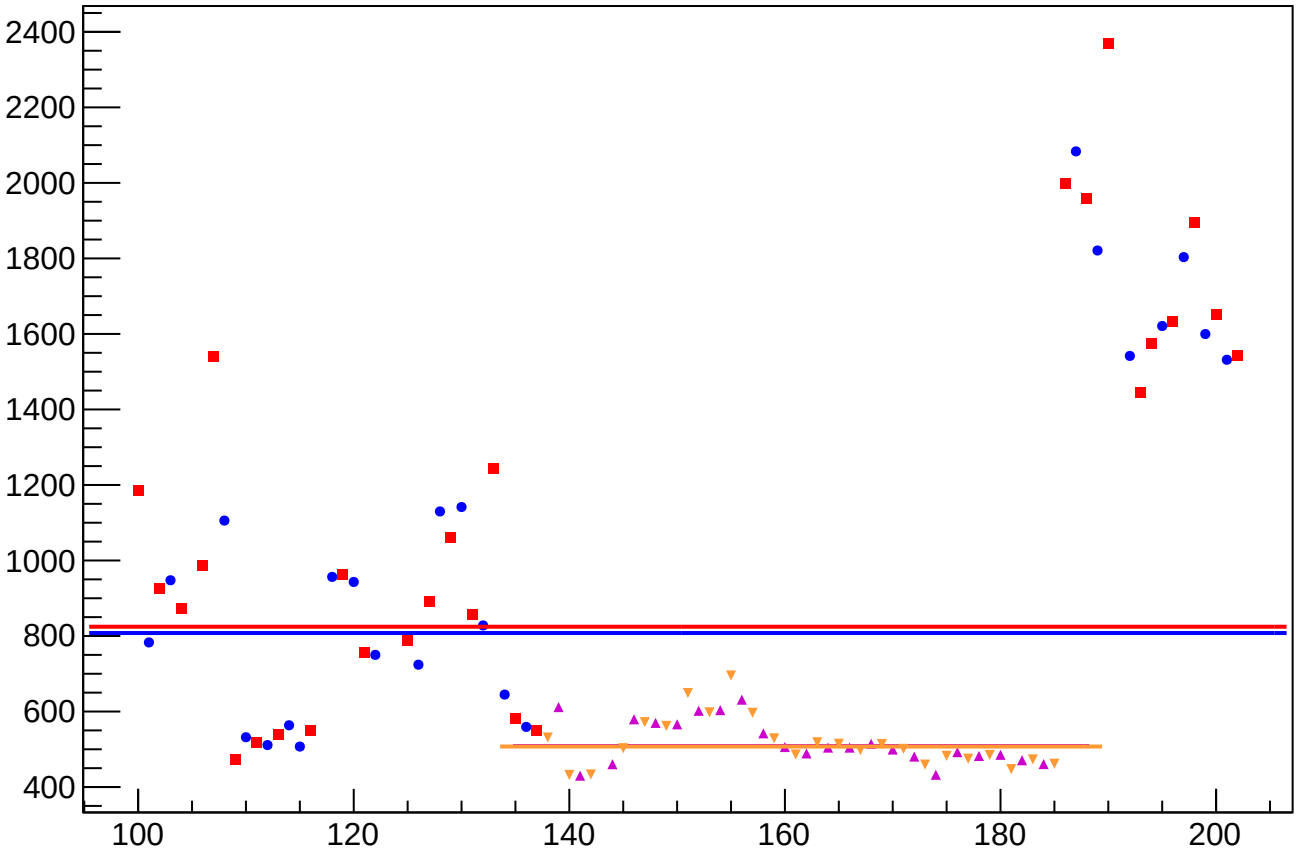
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 70.467+/-176.044 χ^2/NDF: 51.2/49

In: -2.494+/-108.150 χ^2/NDF:59.1/45

Out: -282.978+/-106.942 χ^2/NDF:94.9/50

All: -144.313+/-76.043 χ^2/NDF: 157.5/96



Right In: 807.899+/-0.179 χ^2/NDF: 4030941.0/22

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

Right Out: 824.583+/-0.174 χ^2/NDF: 5553359.6/26

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

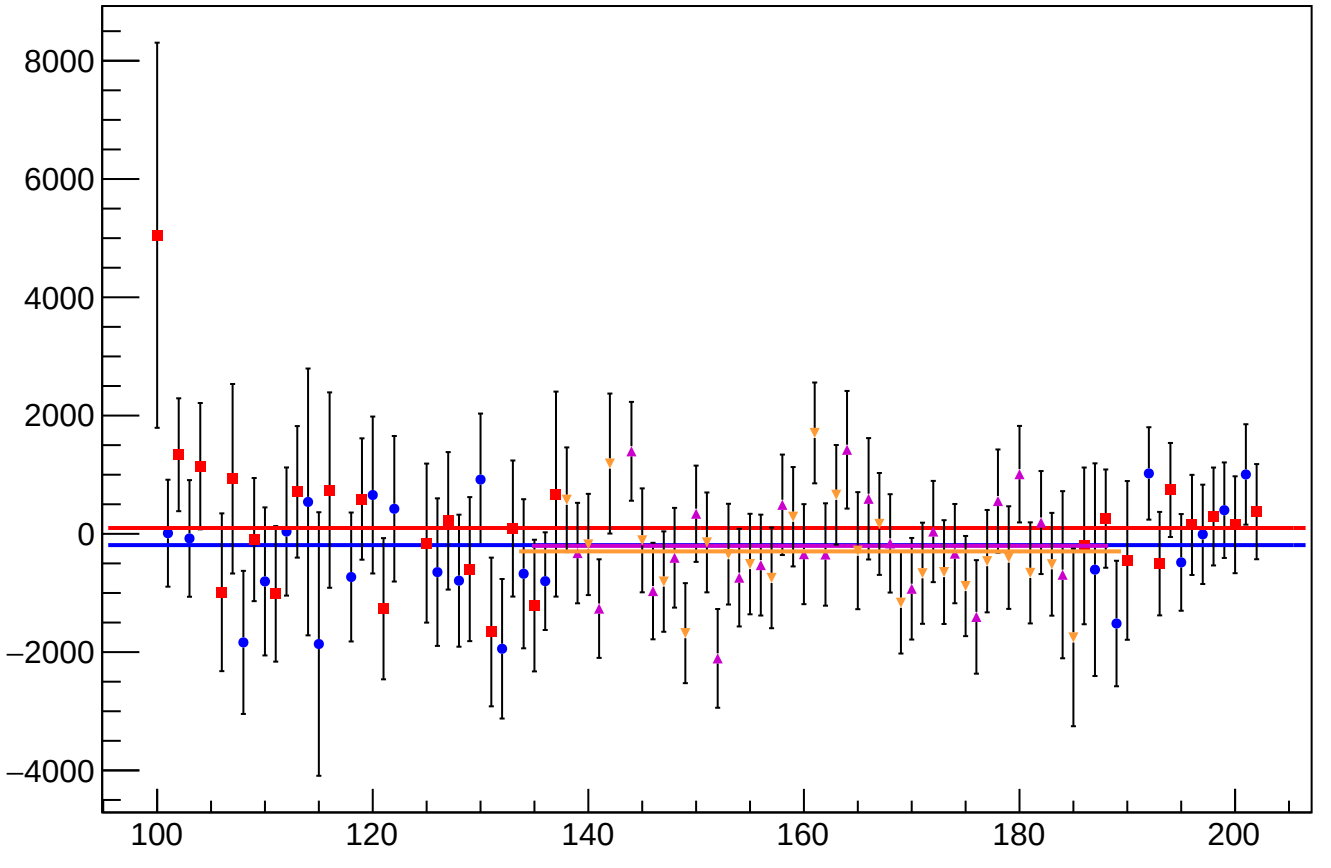
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 816.478+/-0.124 χ^2/NDF: 9588788.1/49

In: 563.507+/-0.076 χ^2/NDF:6756272.5/45

Out: 567.519+/-0.076 χ^2/NDF:8733658.4/50

All: 565.536+/-0.054 χ^2/NDF: 15491323.0/96



Right In: -190.511+/-220.207 χ^2/NDF: 14.8/22

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

Right Out: 99.044+/-206.835 χ^2/NDF: 14.2/26

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

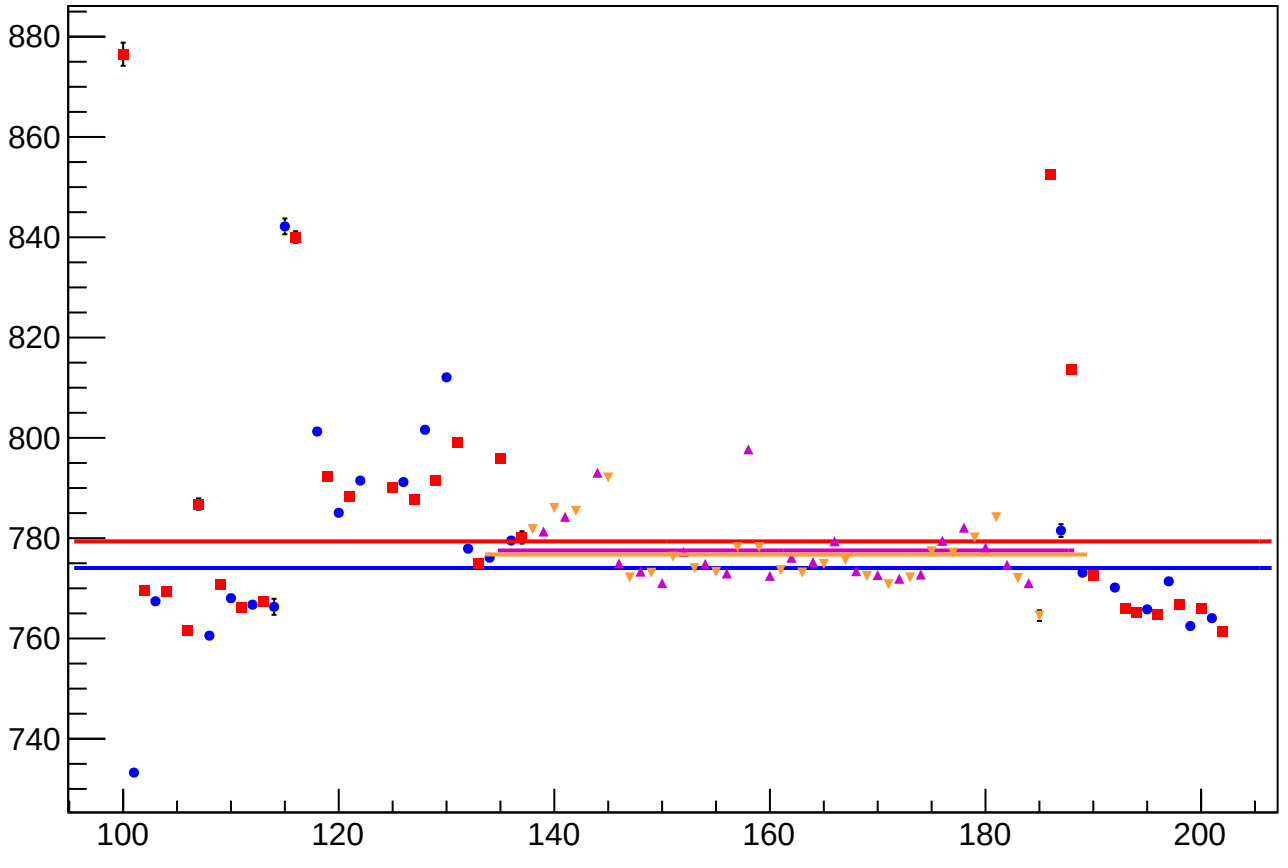
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -36.675+/-150.760 χ^2/NDF: 30.0/49

In: -198.147+/-140.080 χ^2/NDF:36.9/45

Out: -125.888+/-135.902 χ^2/NDF:33.0/50

All: -160.924+/-97.541 χ^2/NDF: 70.1/96



Right In: 774.053+/-0.156 χ^2/NDF: 13255.5/22

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

Right Out: 779.361+/-0.146 χ^2/NDF: 20969.0/26

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

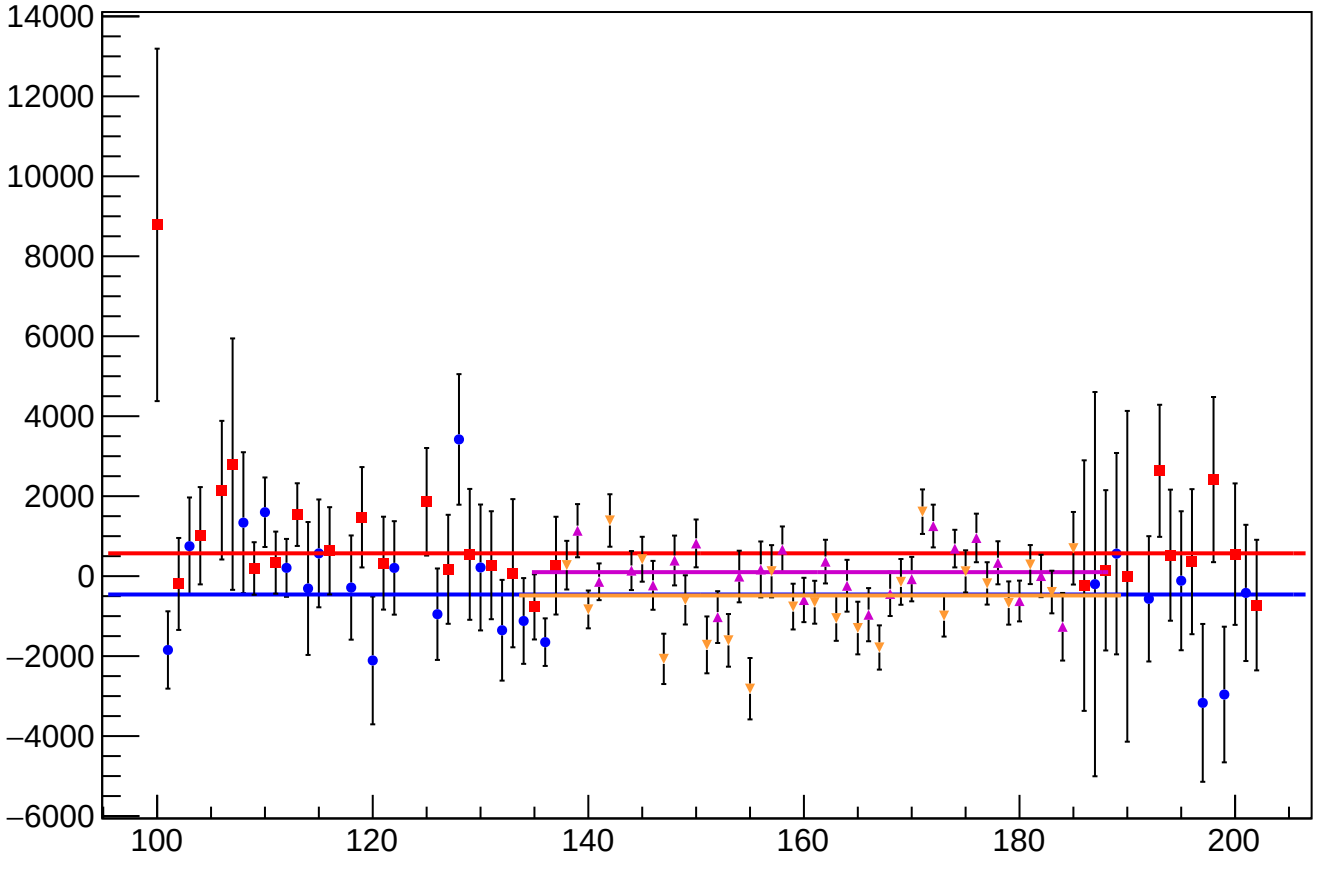
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 776.873+/-0.107 χ^2/NDF: 34842.0/49

In: 776.135+/-0.099 χ^2/NDF:16306.5/45

Out: 777.878+/-0.096 χ^2/NDF:22976.4/50

All: 777.033+/-0.069 χ^2/NDF: 39442.5/96



Right In: -458.951+/-252.575 χ^2/NDF: 27.7/22

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

Right Out: 570.653+/-245.502 χ^2/NDF: 14.9/26

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

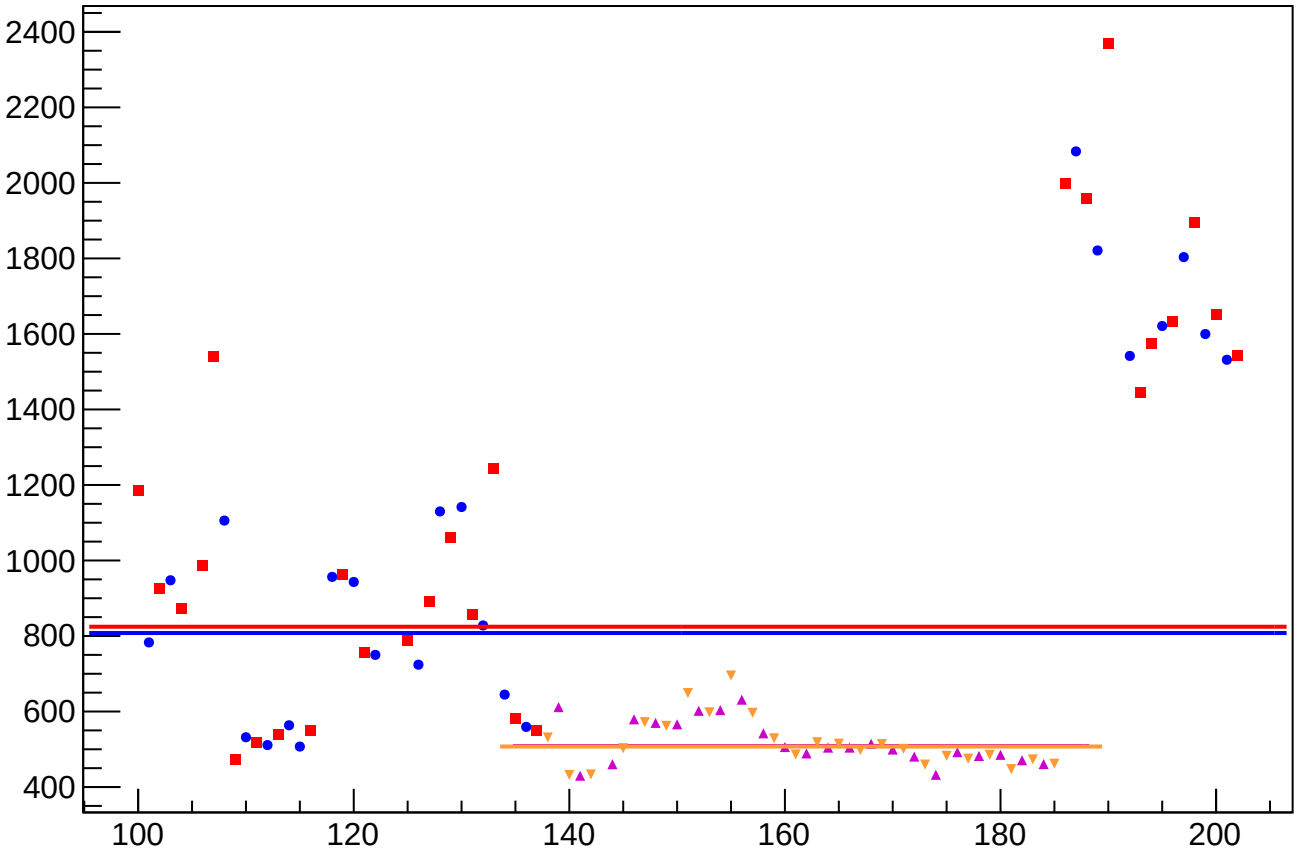
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 70.468+/-176.044 χ^2/NDF: 51.2/49

In: -2.494+/-108.150 χ^2/NDF:59.1/45

Out: -282.977+/-106.941 χ^2/NDF:94.9/50

All: -144.312+/-76.043 χ^2/NDF: 157.5/96



Right In: 807.895+/-0.179 χ^2/NDF: 4030979.8/22

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

Right Out: 824.579+/-0.174 χ^2/NDF: 5553410.1/26

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

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

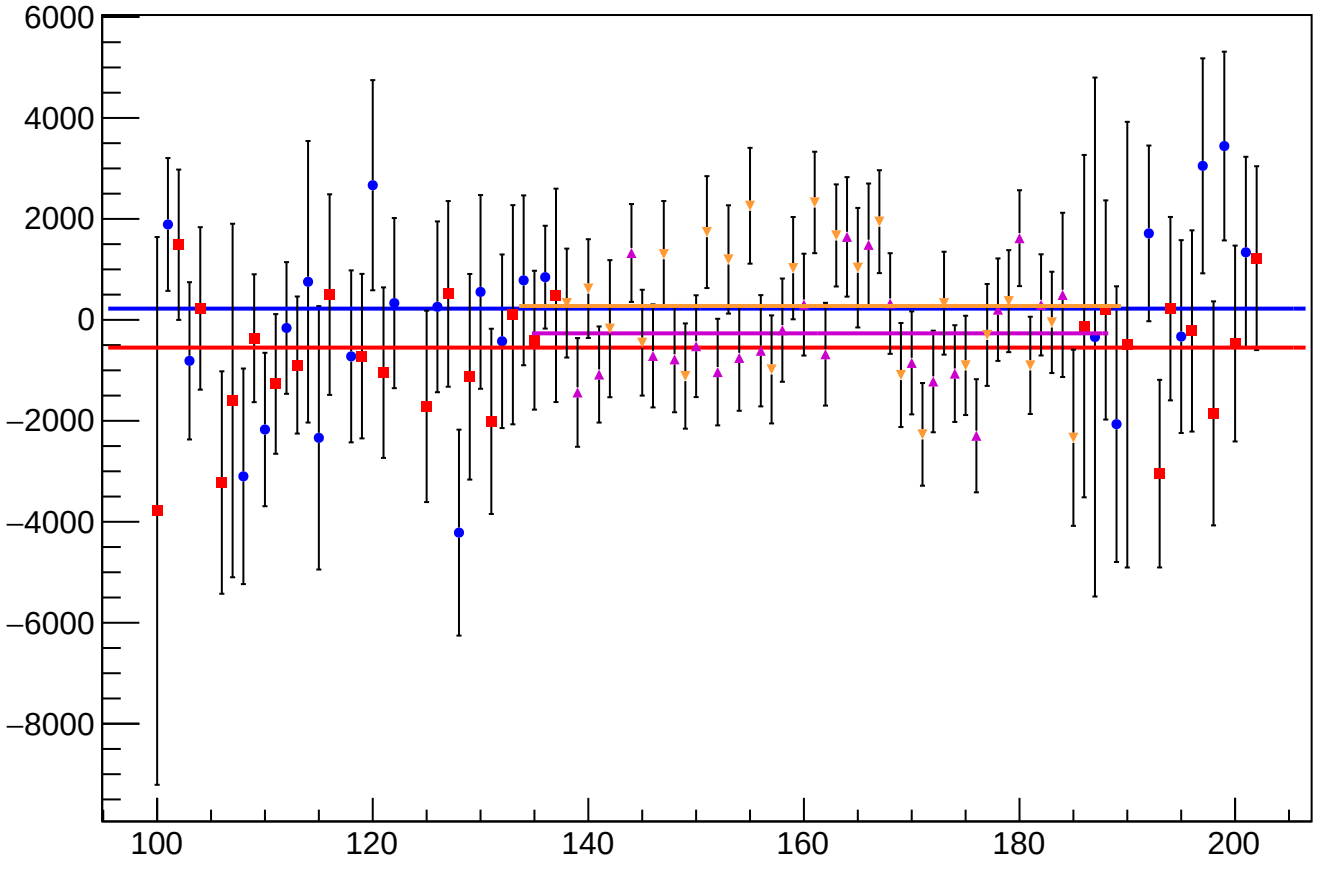
Right: 816.474+/-0.124 χ^2/NDF: 9588877.5/49

In: 563.506+/-0.076 χ^2/NDF:6756280.4/45

Out: 567.519+/-0.076 χ^2/NDF:8733666.2/50

All: 565.535+/-0.054 χ^2/NDF: 15491338.7/96

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 222.761+/-364.849 χ^2/NDF: 21.7/22

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

Right Out: -549.289+/-356.489 χ^2/NDF: 10.0/26

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

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

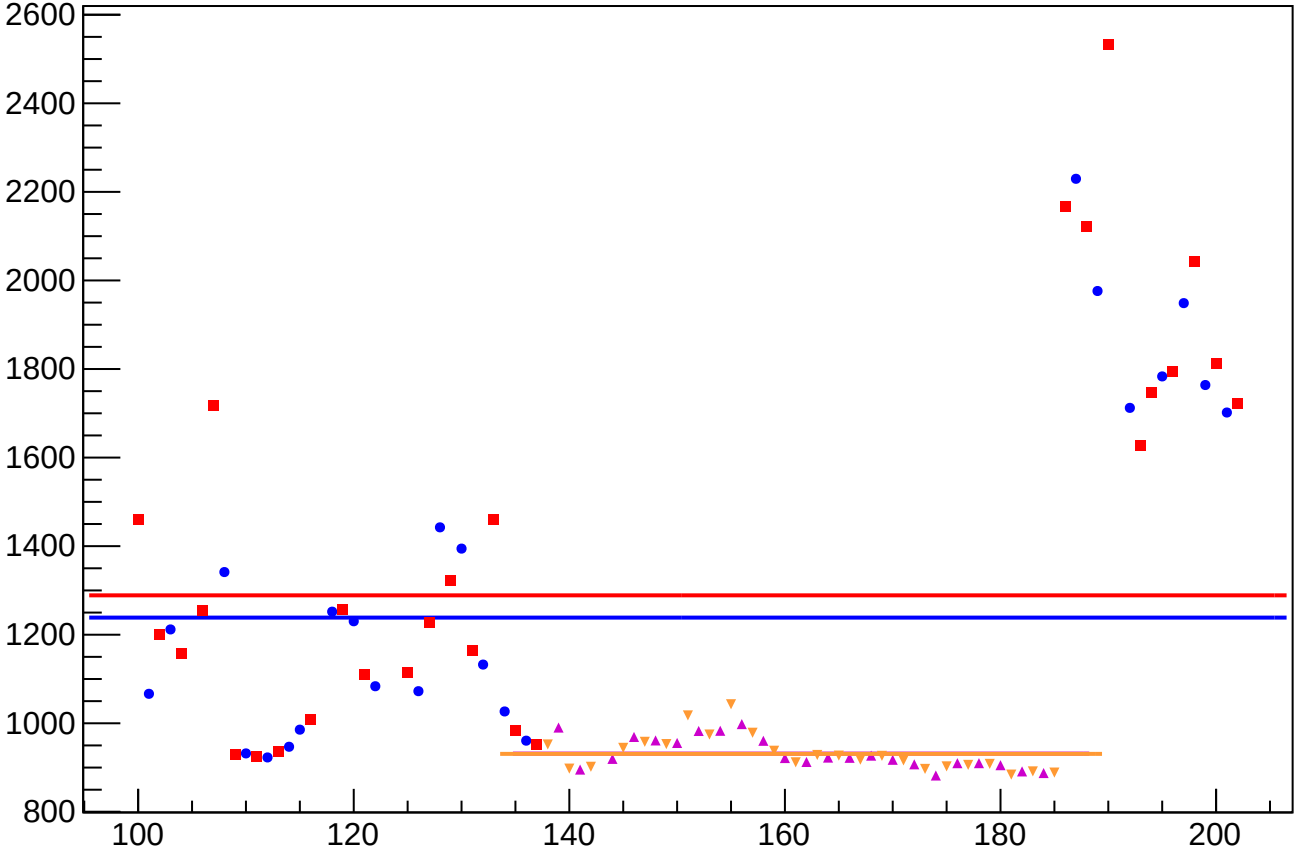
Right: -172.210+/-254.980 χ^2/NDF: 34.0/49

In: -138.468+/-186.940 χ^2/NDF:44.4/45

Out: 53.345+/-184.916 χ^2/NDF:47.5/50

All: -41.518+/-131.465 χ^2/NDF: 92.5/96

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1238.655+/-0.258 χ^2/NDF: 1567662.7/22

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

Right Out: 1288.921+/-0.252 χ^2/NDF: 2140570.0/26

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

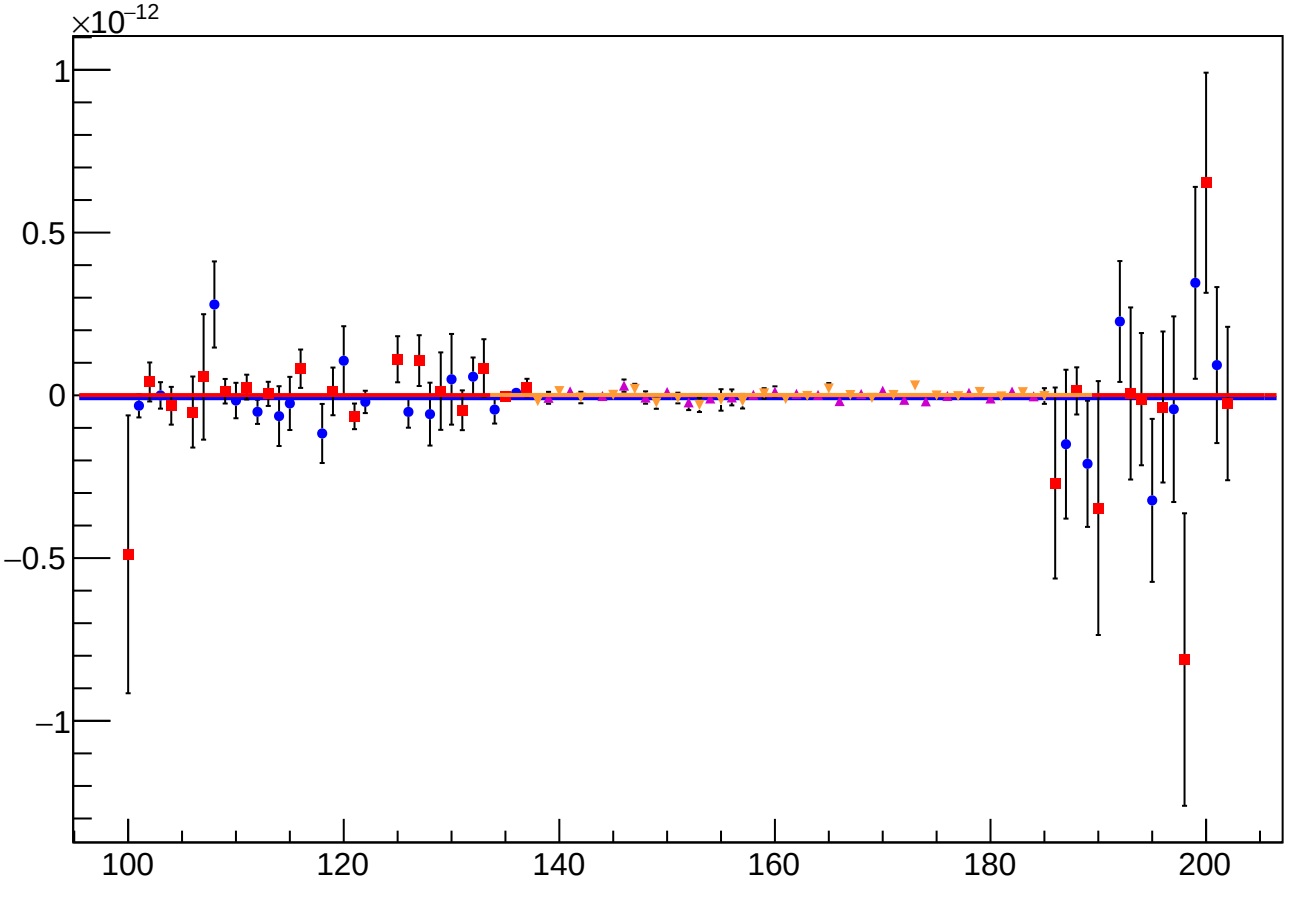
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1264.371+/-0.180 χ^2/NDF: 3727653.8/49

In: 1012.183+/-0.132 χ^2/NDF:2661514.9/45

Out: 1027.247+/-0.131 χ^2/NDF:3676803.4/50

All: 1019.797+/-0.093 χ^2/NDF: 6344882.9/96



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/22

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

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/26

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

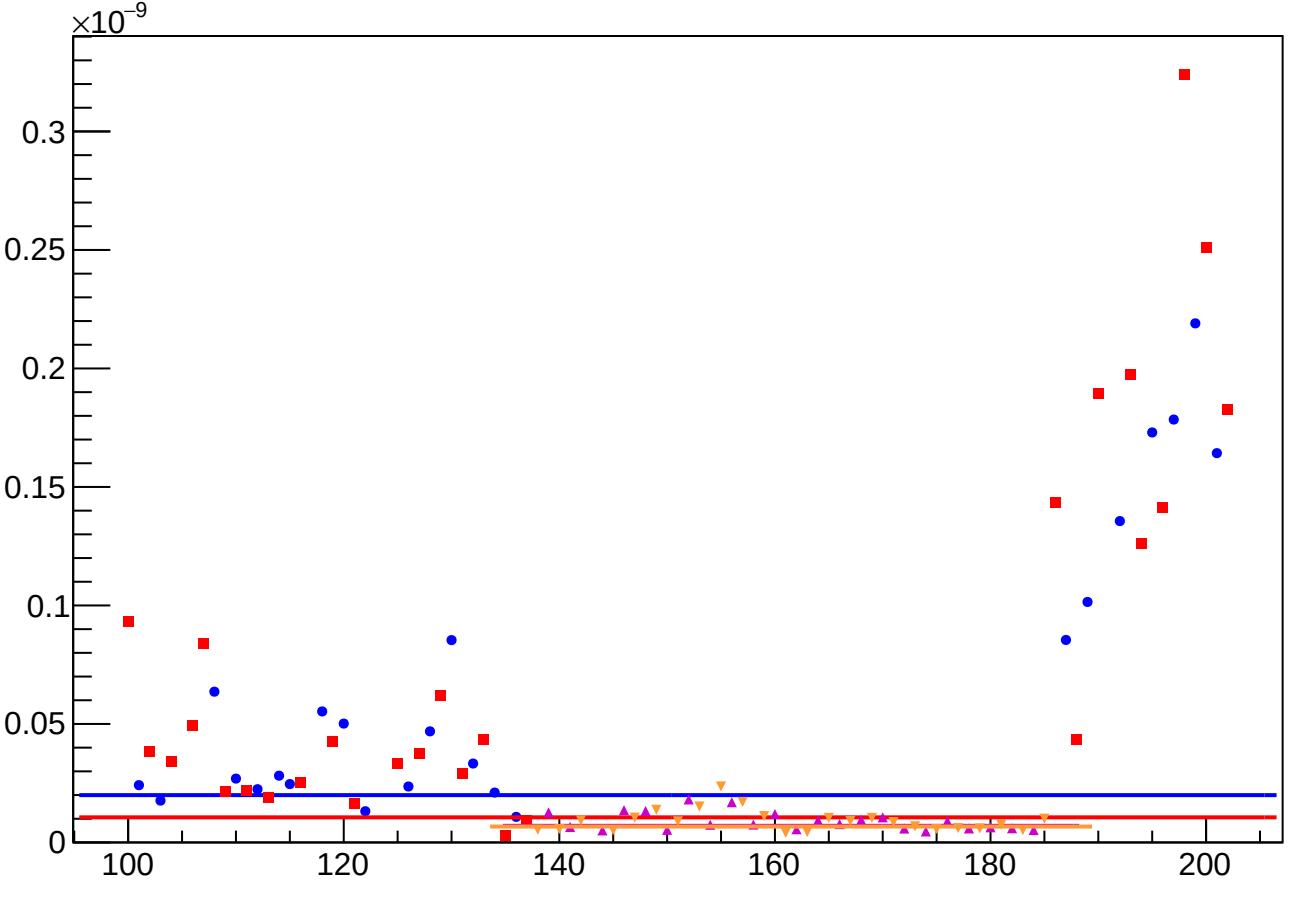
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 43.7/49

In: -0.000+/-0.000 χ^2/NDF:42.9/45

Out: 0.000+/-0.000 χ^2/NDF:48.7/50

All: 0.000+/-0.000 χ^2/NDF: 92.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 6590899.8/22

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

Right Out: 0.000+/-0.000 χ^2/NDF: 11770800.0/26

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

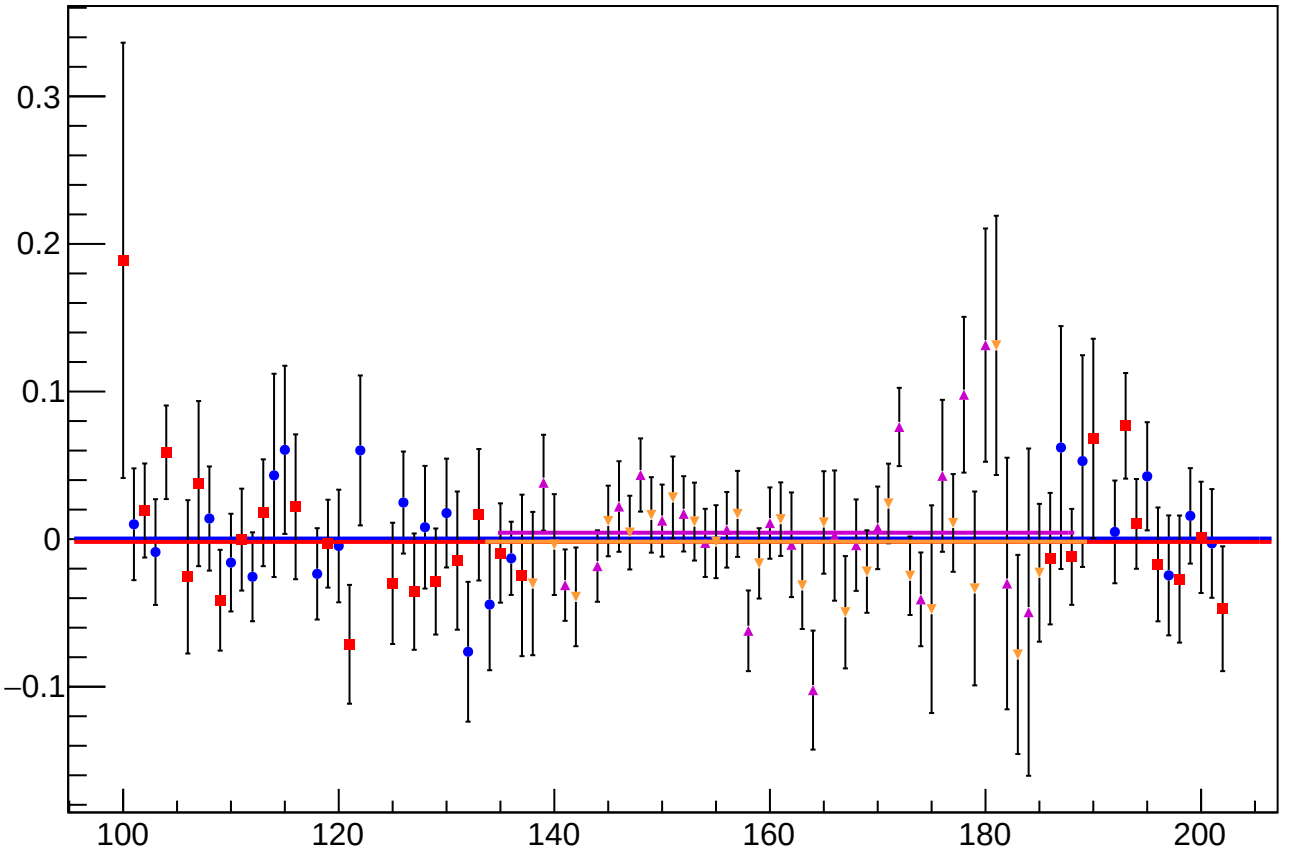
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 19492049.6/49

In: 0.000+/-0.000 χ^2/NDF:12112964.4/45

Out: 0.000+/-0.000 χ^2/NDF:15225922.3/50

All: 0.000+/-0.000 χ^2/NDF: 27419268.7/96



Right In: 0.000+/-0.008 χ^2/NDF: 12.5/22

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

Right Out: -0.002+/-0.008 χ^2/NDF: 21.4/26

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

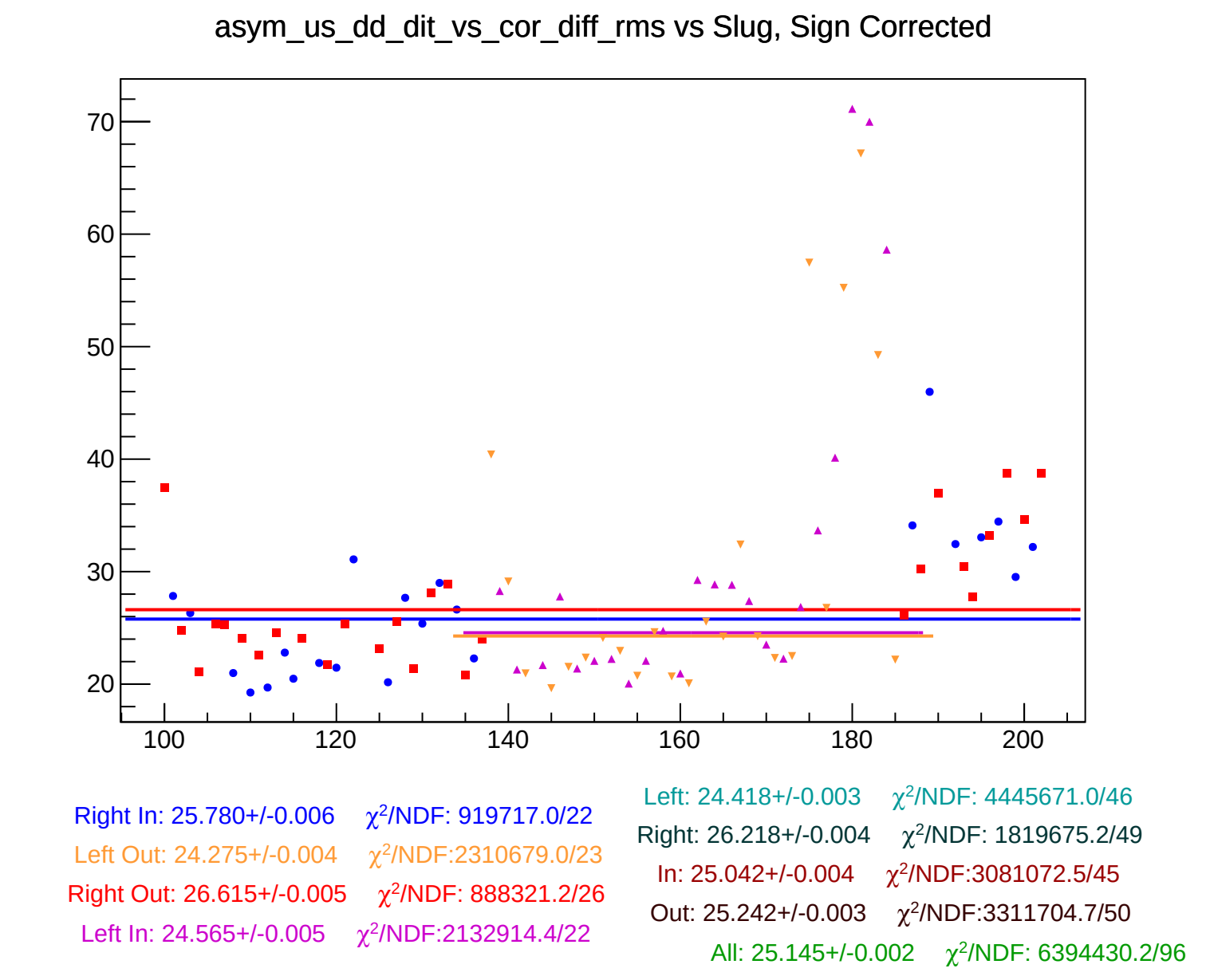
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

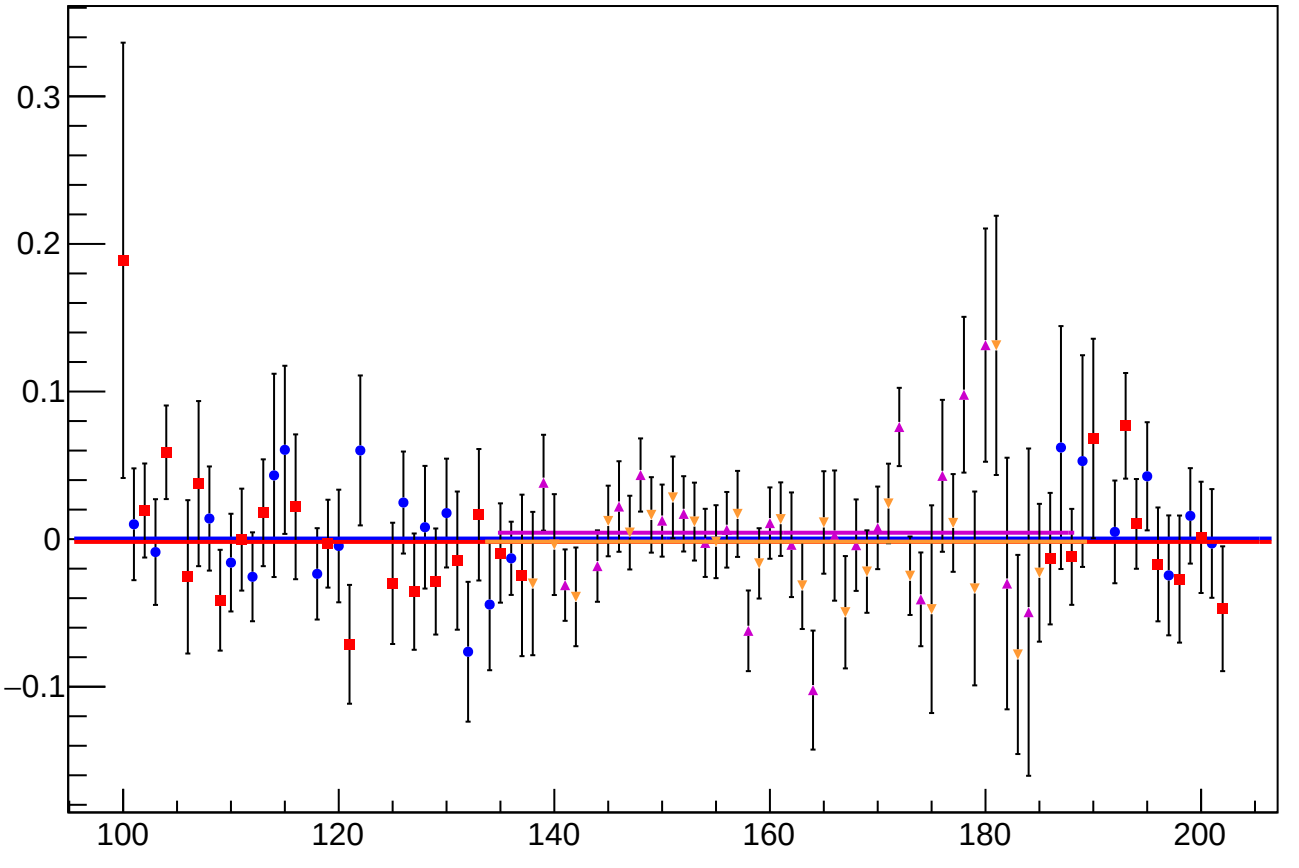
Right: -0.001+/-0.005 χ^2/NDF: 34.0/49

In: 0.003+/-0.005 χ^2/NDF:49.2/45

Out: -0.002+/-0.005 χ^2/NDF:36.1/50

All: 0.000+/-0.003 χ^2/NDF: 85.6/96


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 25.780+/-0.006 χ²/NDF: 919717.0/22
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 26.615+/-0.005 χ²/NDF: 888321.2/26
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 26.218+/-0.004 χ²/NDF: 1819675.2/49
In: 25.042+/-0.004 χ²/NDF:3081072.5/45
Out: 25.242+/-0.003 χ²/NDF:3311704.7/50
All: 25.145+/-0.002 χ²/NDF: 6394430.2/96



Right In: 0.000+/-0.008 χ^2/NDF: 12.5/22

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

Right Out: -0.002+/-0.008 χ^2/NDF: 21.4/26

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

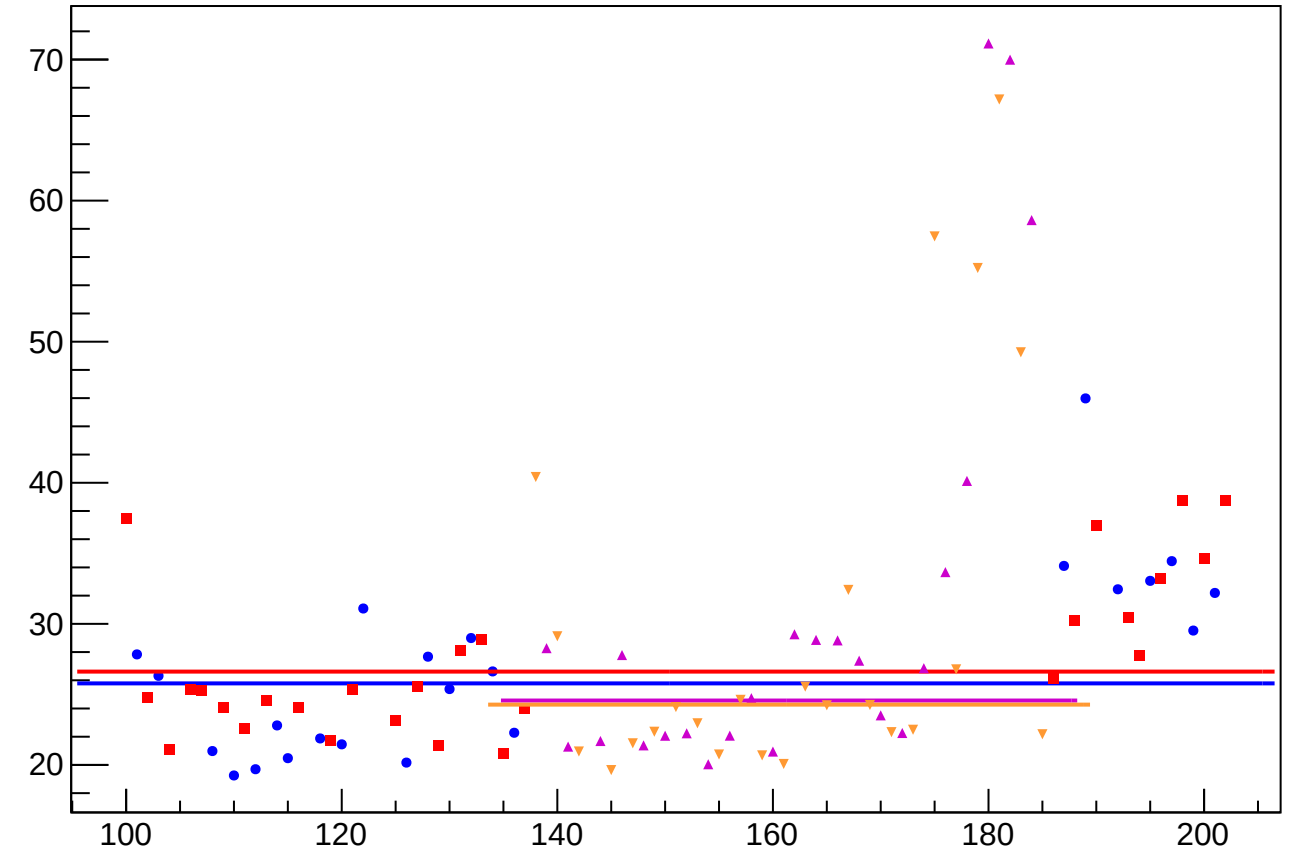
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.005 χ^2/NDF: 34.0/49

In: 0.003+/-0.005 χ^2/NDF:49.2/45

Out: -0.002+/-0.005 χ^2/NDF:36.1/50

All: 0.000+/-0.003 χ^2/NDF: 85.6/96



Right In: 25.780+/-0.006 χ^2/NDF: 919717.0/22

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

Right Out: 26.615+/-0.005 χ^2/NDF: 888321.2/26

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

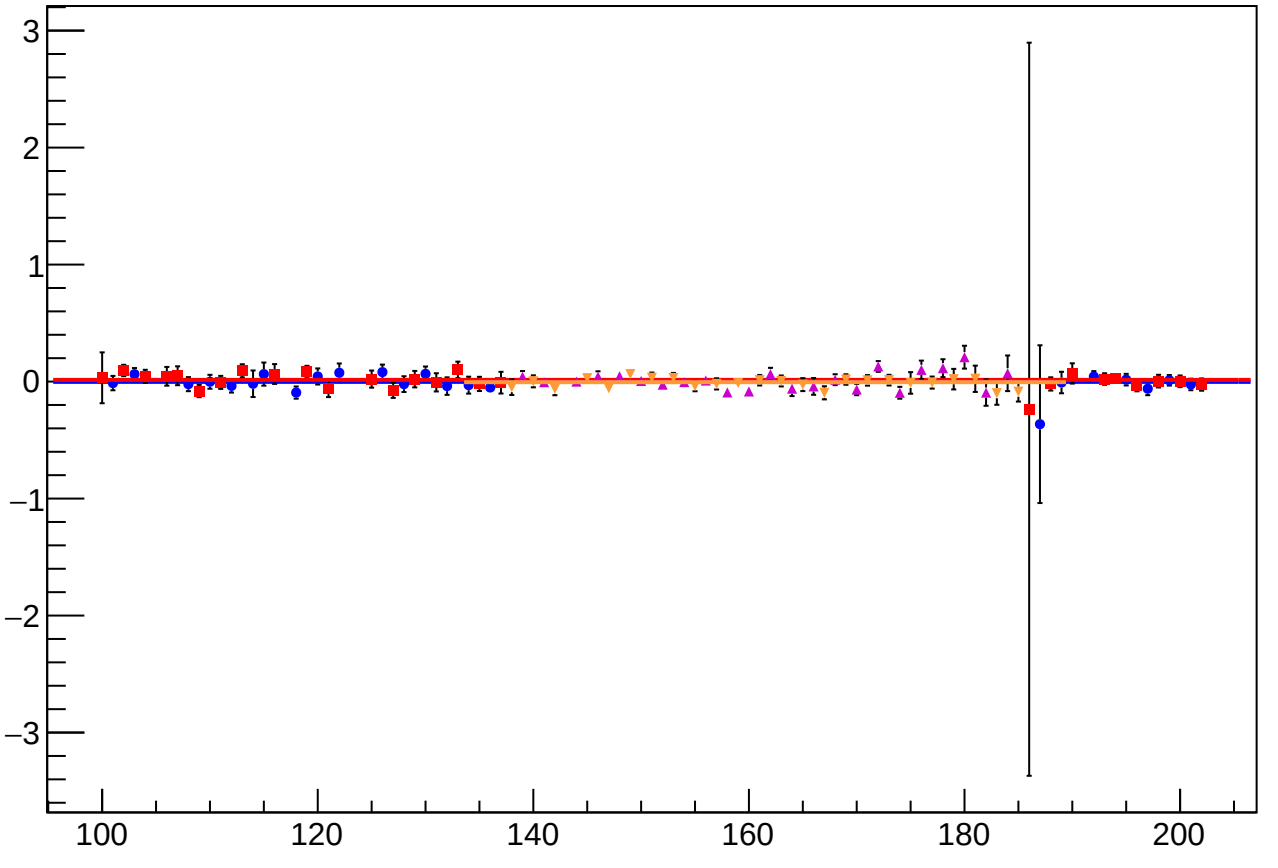
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 26.218+/-0.004 χ^2/NDF: 1819675.2/49

In: 25.042+/-0.004 χ^2/NDF:3081072.5/45

Out: 25.242+/-0.003 χ^2/NDF:3311704.7/50

All: 25.145+/-0.002 χ^2/NDF: 6394430.2/96



Right In: -0.002+/-0.013 χ^2/NDF: 14.4/22

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

Right Out: 0.015+/-0.012 χ^2/NDF: 18.1/26

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

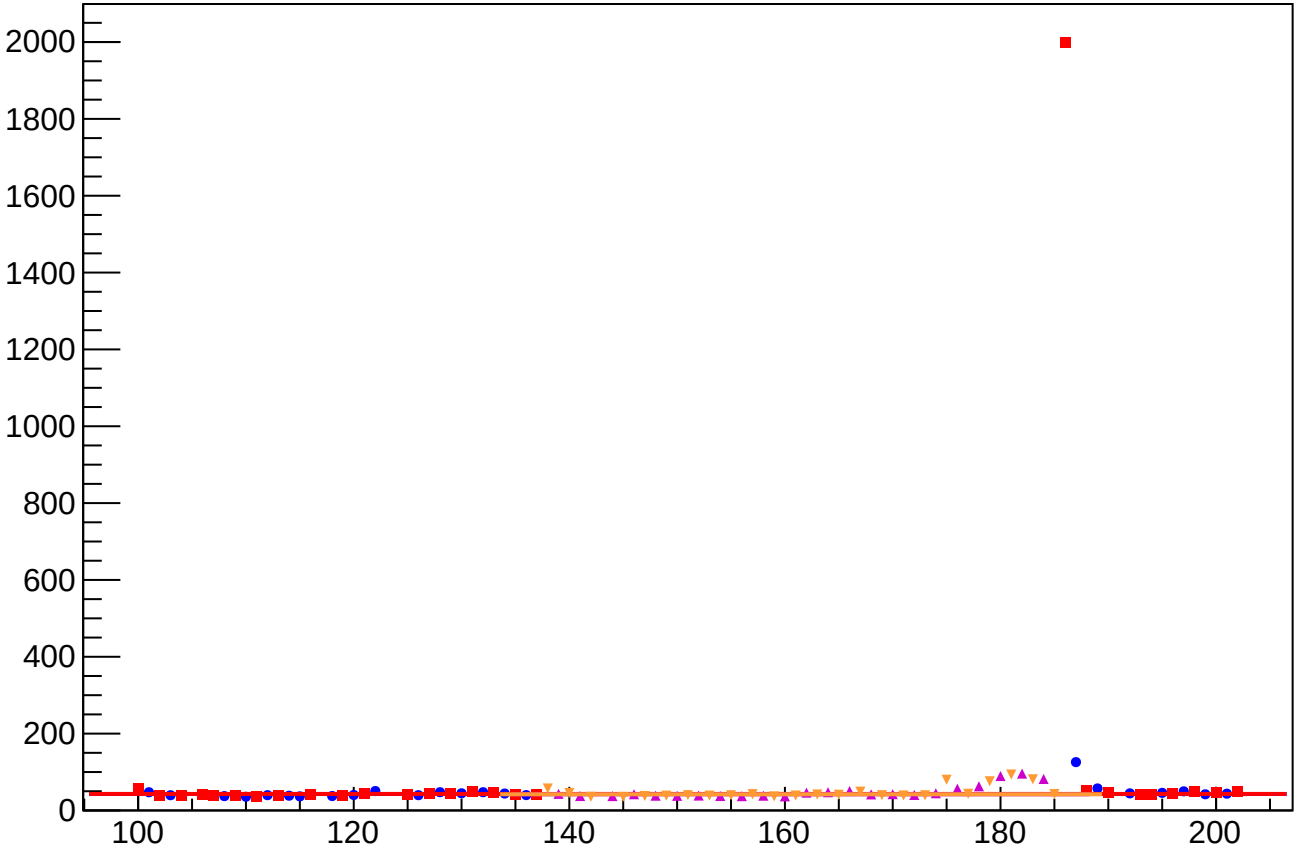
Right: 0.007+/-0.009 χ^2/NDF: 33.5/49

In: -0.001+/-0.008 χ^2/NDF:52.4/45

Out: 0.003+/-0.008 χ^2/NDF:33.5/50

All: 0.001+/-0.006 χ^2/NDF: 86.1/96

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.772+/-0.009 χ^2/NDF: 277134.7/22

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

Right Out: 43.005+/-0.008 χ^2/NDF: 1027223.1/26

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

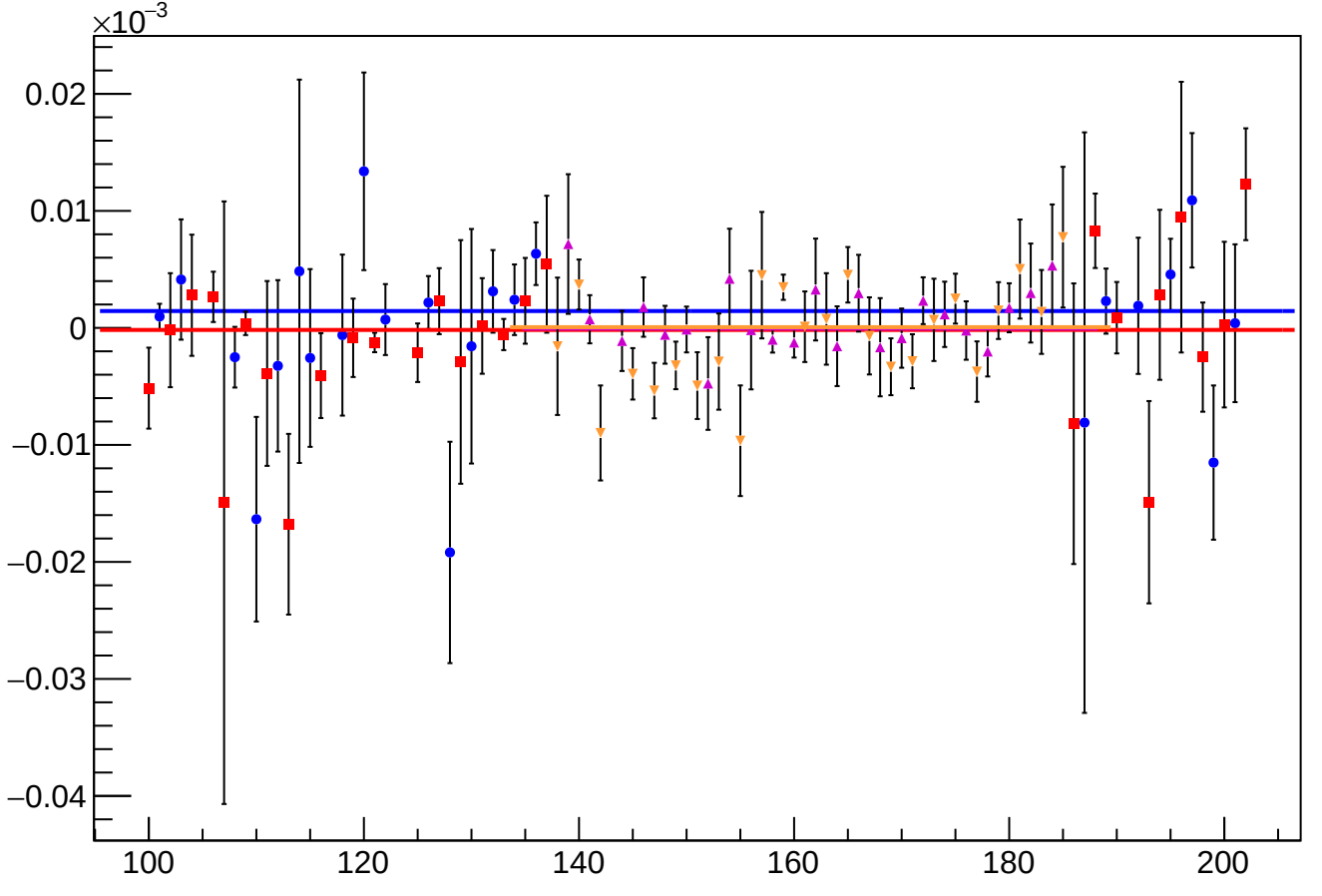
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.895+/-0.006 χ^2/NDF: 1304716.2/49

In: 42.358+/-0.006 χ^2/NDF:1824236.8/45

Out: 42.485+/-0.006 χ^2/NDF:2749991.1/50

All: 42.423+/-0.004 χ^2/NDF: 4574483.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/22

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

Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/26

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

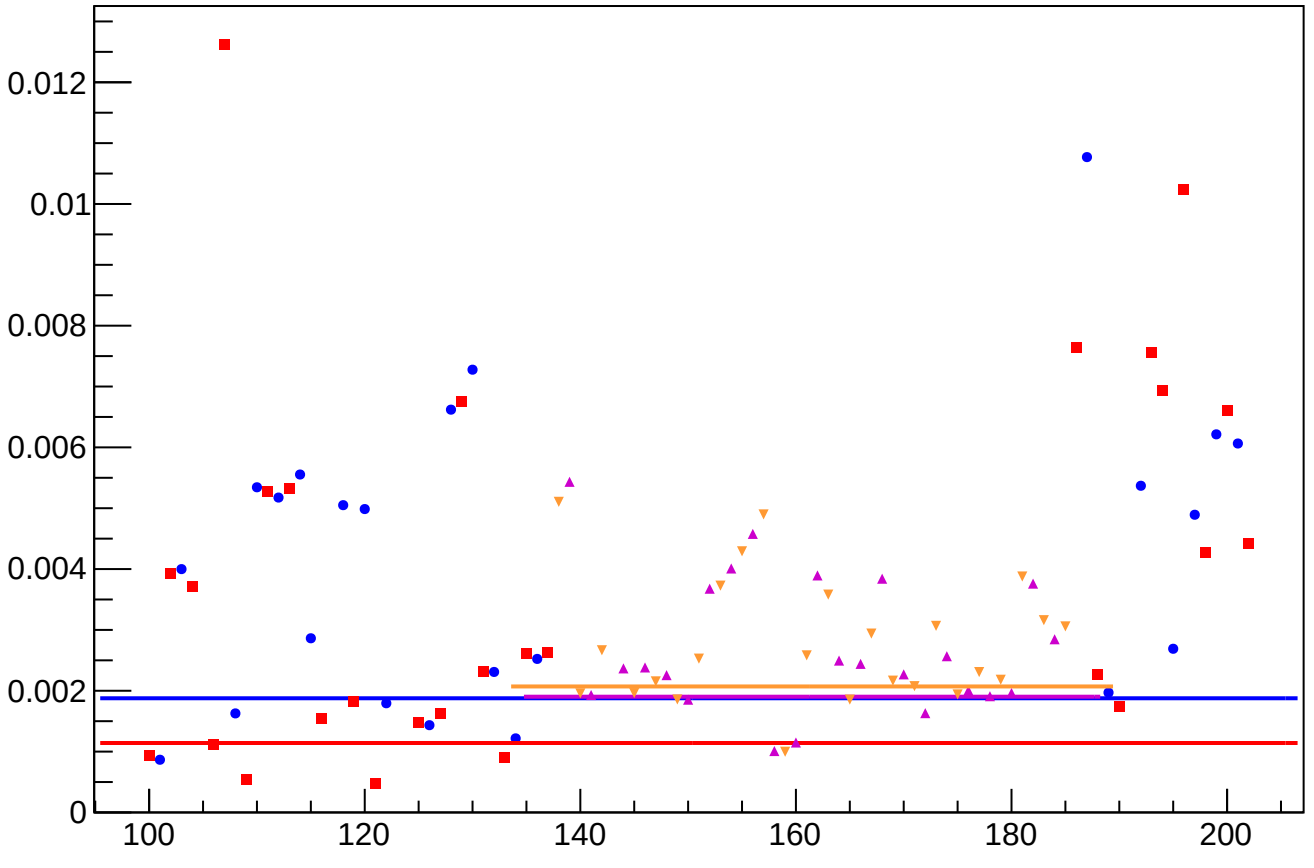
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 63.9/49

In: 0.000+/-0.000 χ^2/NDF:42.4/45

Out: -0.000+/-0.000 χ^2/NDF:85.6/50

All: 0.000+/-0.000 χ^2/NDF: 129.0/96



Right In: 0.002+/-0.000 χ^2/NDF: 8353692.0/22

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

Right Out: 0.001+/-0.000 χ^2/NDF: 13728172.0/26

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

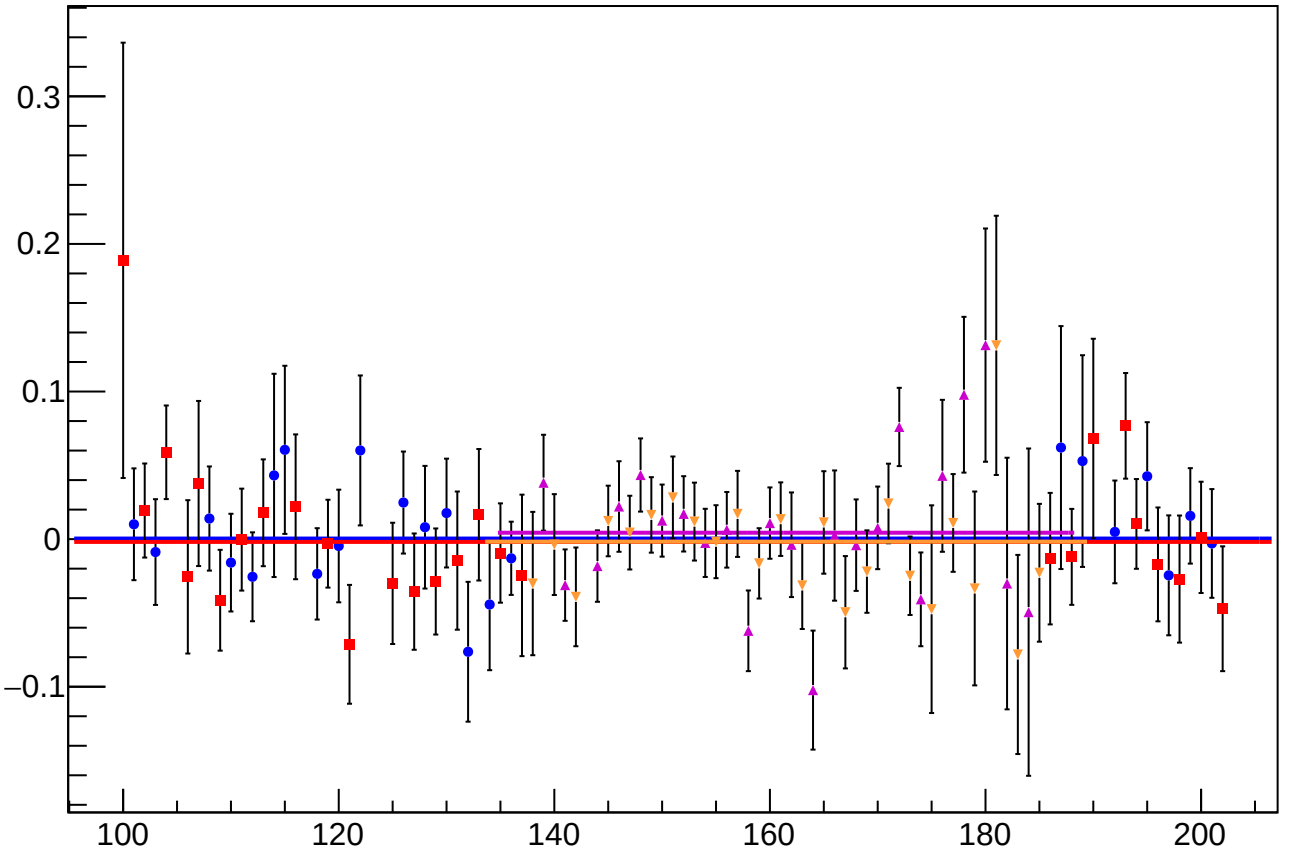
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 23629028.5/49

In: 0.002+/-0.000 χ^2/NDF:14291483.3/45

Out: 0.002+/-0.000 χ^2/NDF:22434721.0/50

All: 0.002+/-0.000 χ^2/NDF: 37499470.9/96



Right In: 0.000+/-0.008 χ^2/NDF: 12.5/22

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

Right Out: -0.002+/-0.008 χ^2/NDF: 21.4/26

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

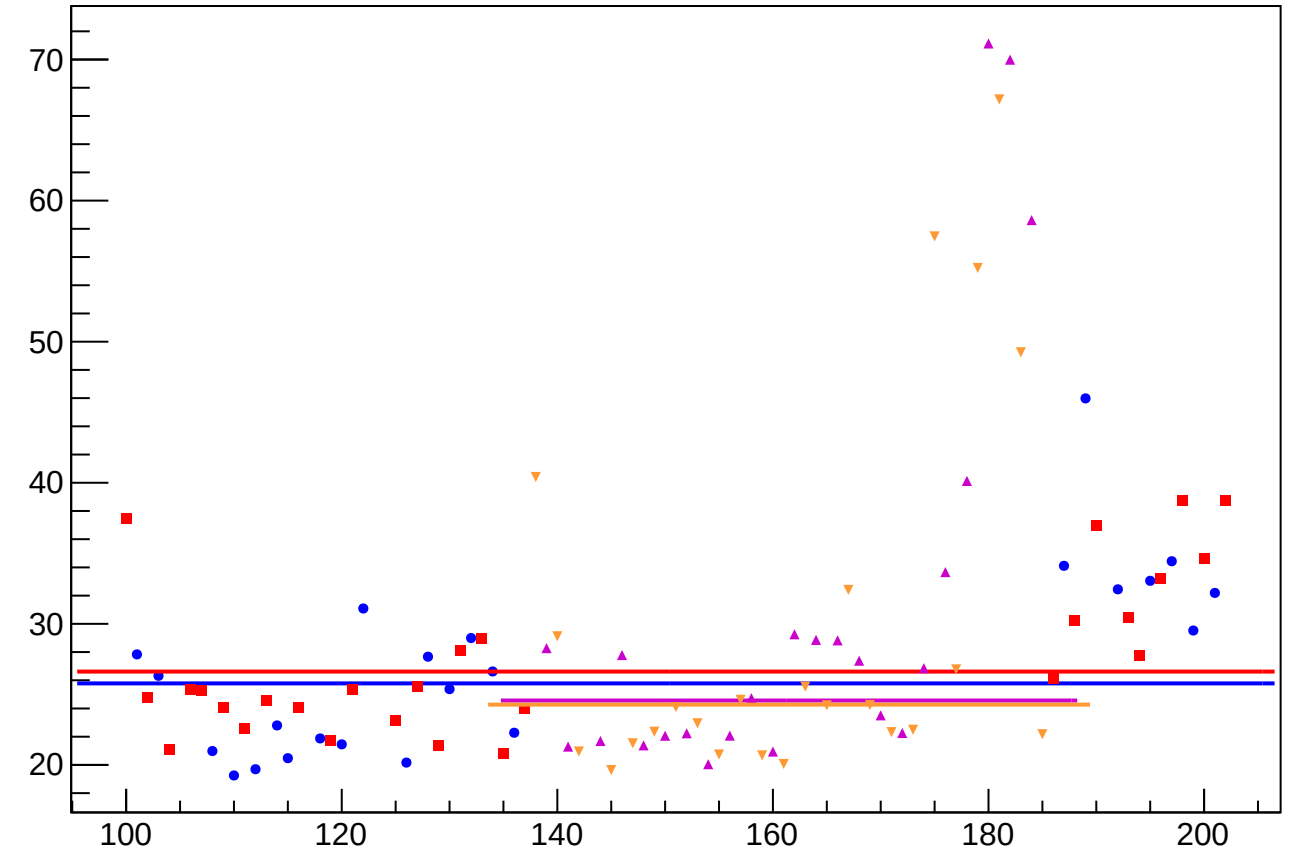
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.005 χ^2/NDF: 34.0/49

In: 0.003+/-0.005 χ^2/NDF:49.2/45

Out: -0.002+/-0.005 χ^2/NDF:36.1/50

All: 0.000+/-0.003 χ^2/NDF: 85.6/96



Right In: 25.779+/-0.006 χ^2/NDF: 919694.7/22

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

Right Out: 26.616+/-0.005 χ^2/NDF: 888269.2/26

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

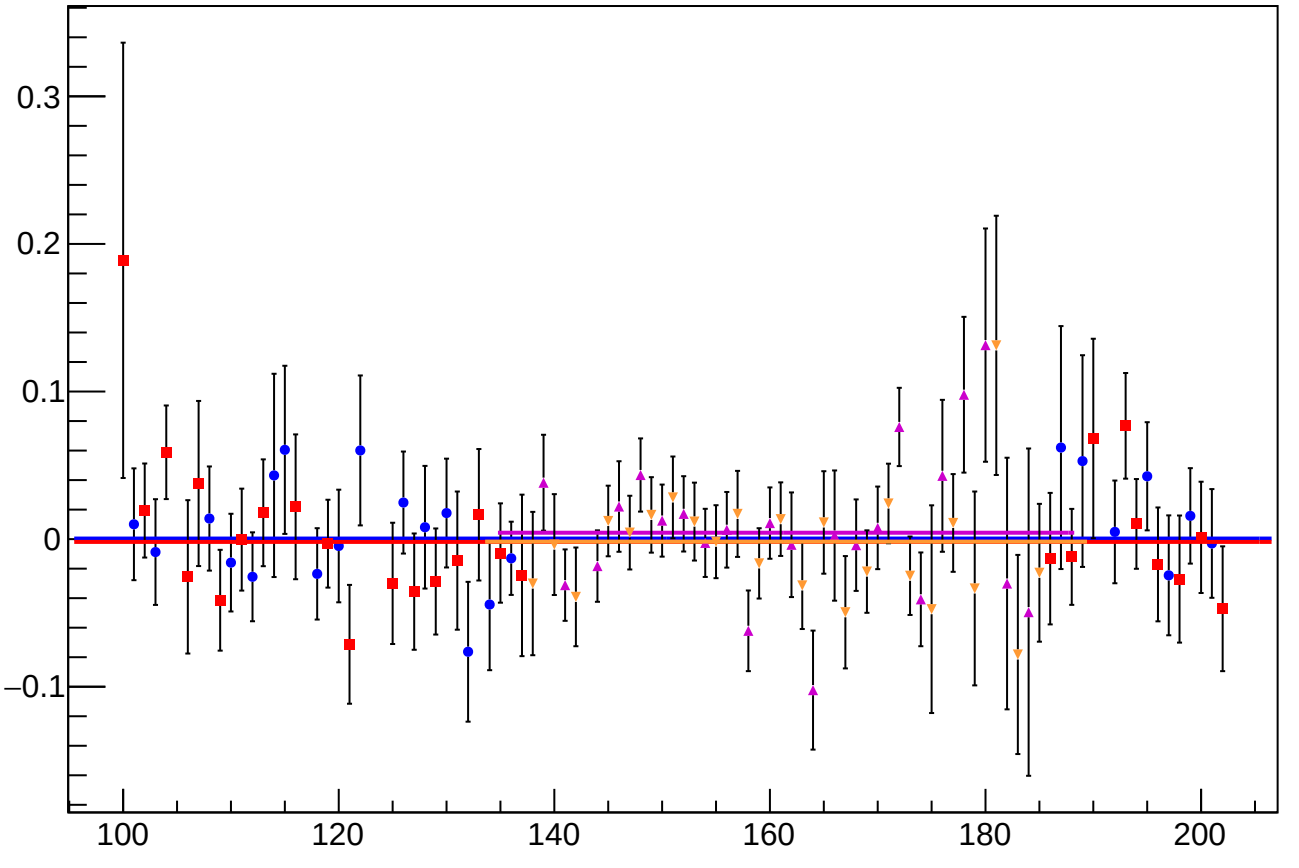
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 26.218+/-0.004 χ^2/NDF: 1819624.0/49

In: 25.042+/-0.004 χ^2/NDF:3080869.8/45

Out: 25.243+/-0.003 χ^2/NDF:3311666.6/50

All: 25.145+/-0.002 χ^2/NDF: 6394192.2/96



Right In: 0.000+/-0.008 χ^2/NDF: 12.5/22

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

Right Out: -0.002+/-0.008 χ^2/NDF: 21.4/26

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

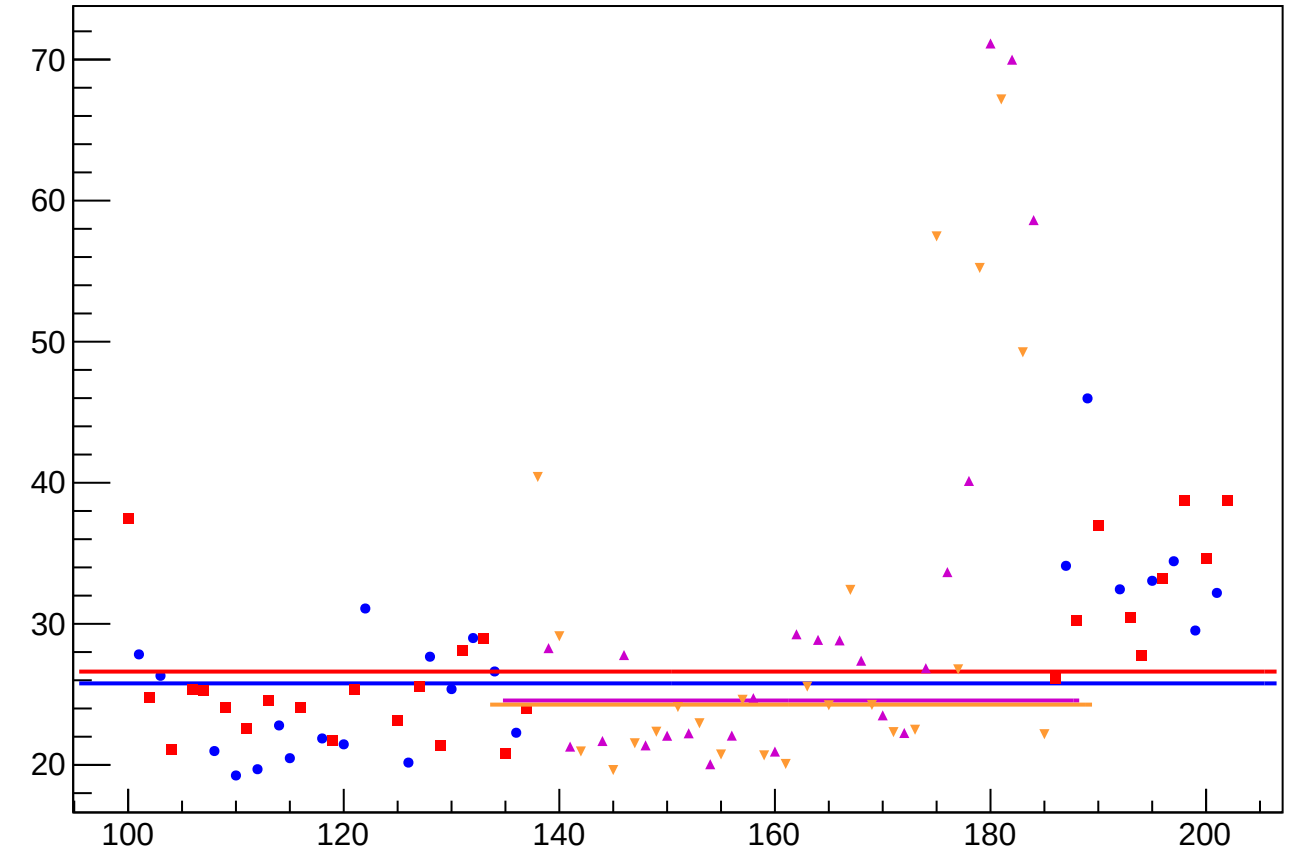
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.005 χ^2/NDF: 34.0/49

In: 0.003+/-0.005 χ^2/NDF:49.2/45

Out: -0.002+/-0.005 χ^2/NDF:36.1/50

All: 0.000+/-0.003 χ^2/NDF: 85.6/96



Right In: 25.779+/-0.006 χ^2/NDF: 919694.7/22

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

Right Out: 26.616+/-0.005 χ^2/NDF: 888269.2/26

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

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

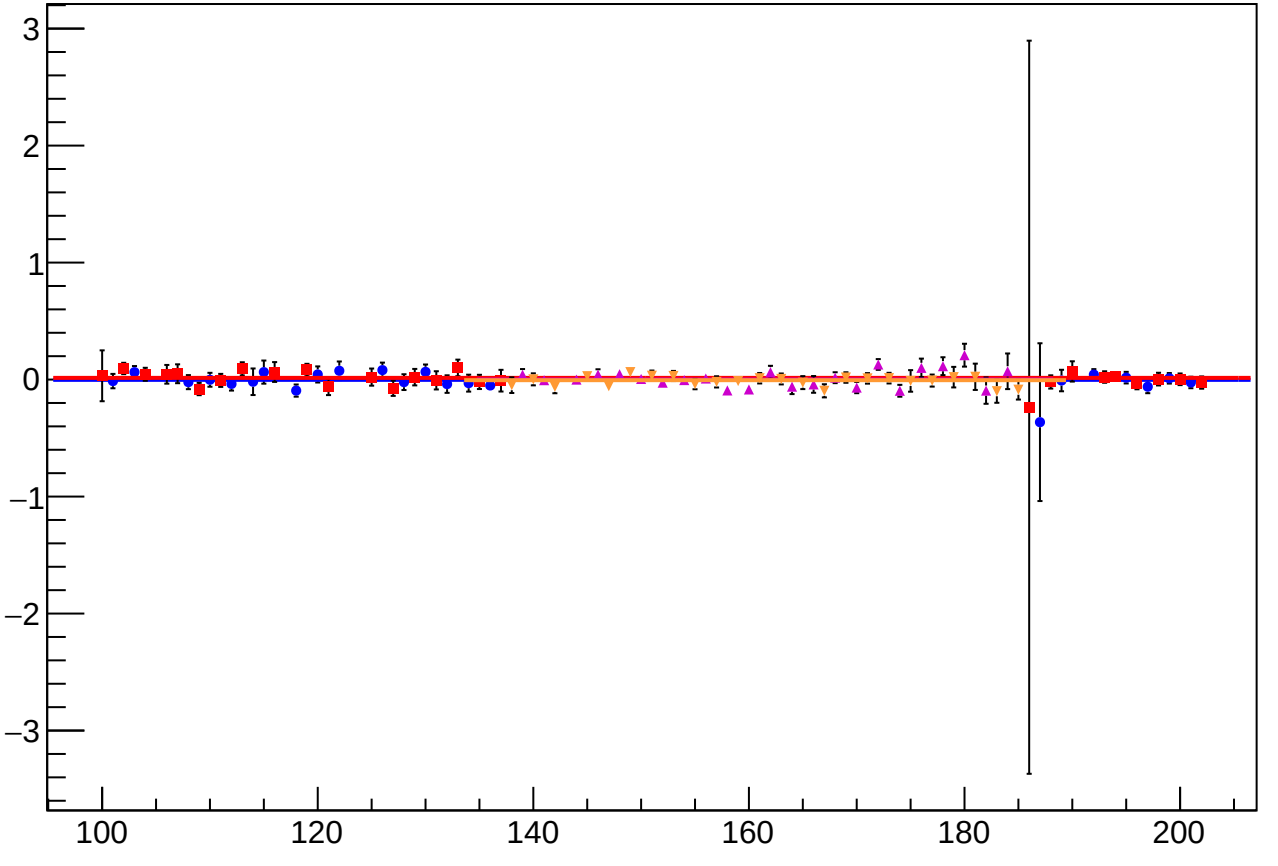
Right: 26.218+/-0.004 χ^2/NDF: 1819624.0/49

In: 25.042+/-0.004 χ^2/NDF:3080869.8/45

Out: 25.243+/-0.003 χ^2/NDF:3311666.6/50

All: 25.145+/-0.002 χ^2/NDF: 6394192.2/96

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 14.4/22

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

Right Out: 0.015+/-0.012 χ^2/NDF: 18.1/26

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

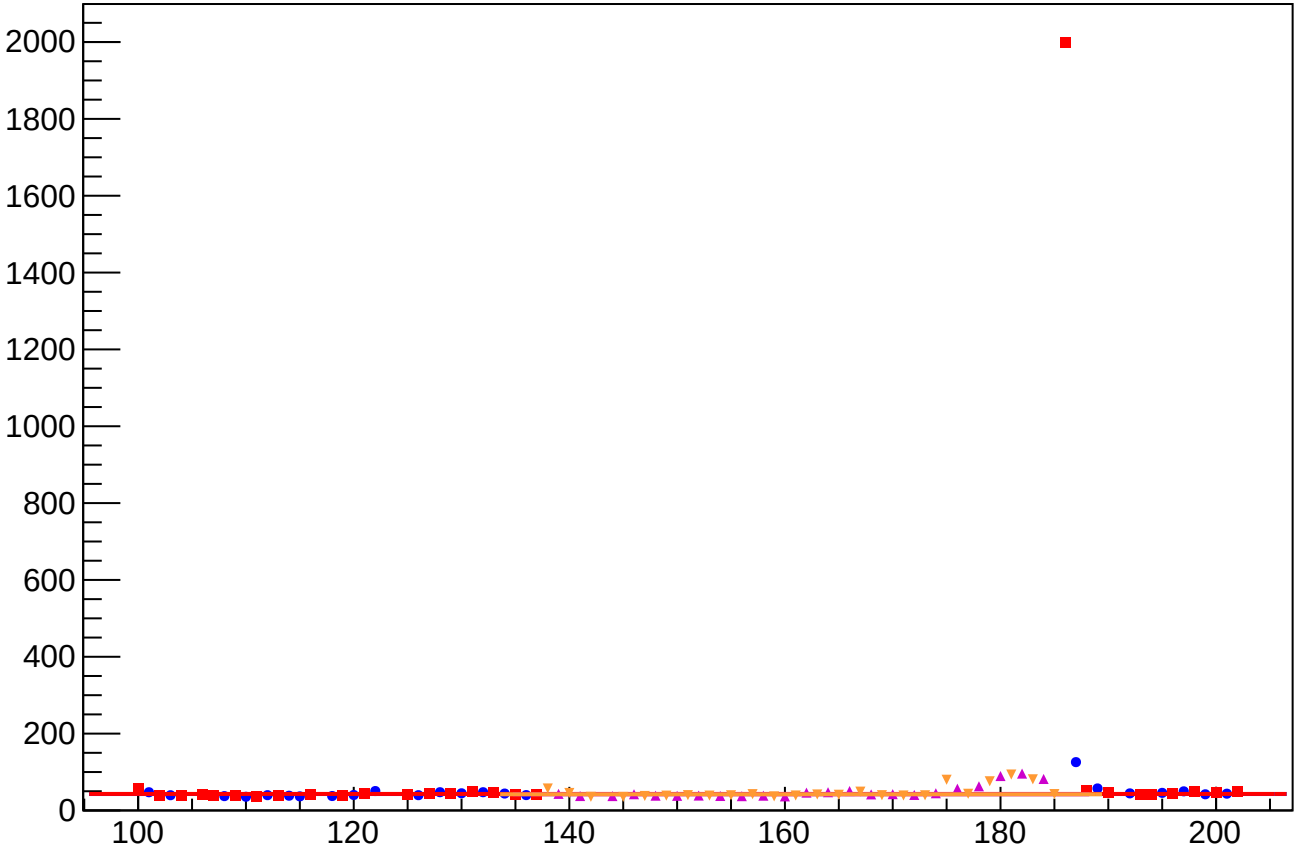
Right: 0.007+/-0.009 χ^2/NDF: 33.5/49

In: -0.001+/-0.008 χ^2/NDF:52.4/45

Out: 0.003+/-0.008 χ^2/NDF:33.5/50

All: 0.001+/-0.006 χ^2/NDF: 86.1/96

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.772+/-0.009 χ^2/NDF: 277099.3/22

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

Right Out: 43.005+/-0.008 χ^2/NDF: 1027220.9/26

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

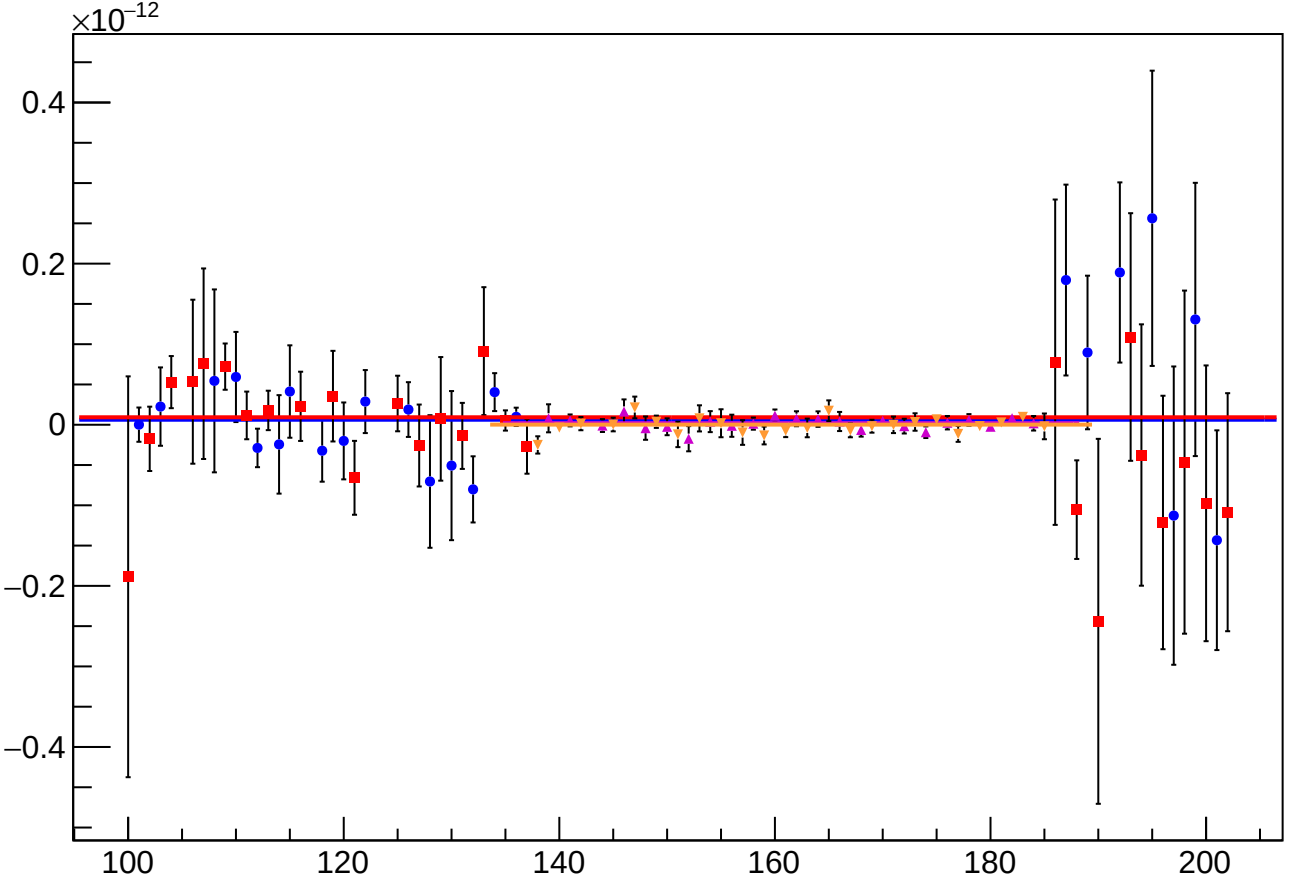
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.895+/-0.006 χ^2/NDF: 1304679.2/49

In: 42.358+/-0.006 χ^2/NDF:1824173.3/45

Out: 42.485+/-0.006 χ^2/NDF:2749978.3/50

All: 42.423+/-0.004 χ^2/NDF: 4574407.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/22

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

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/26

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

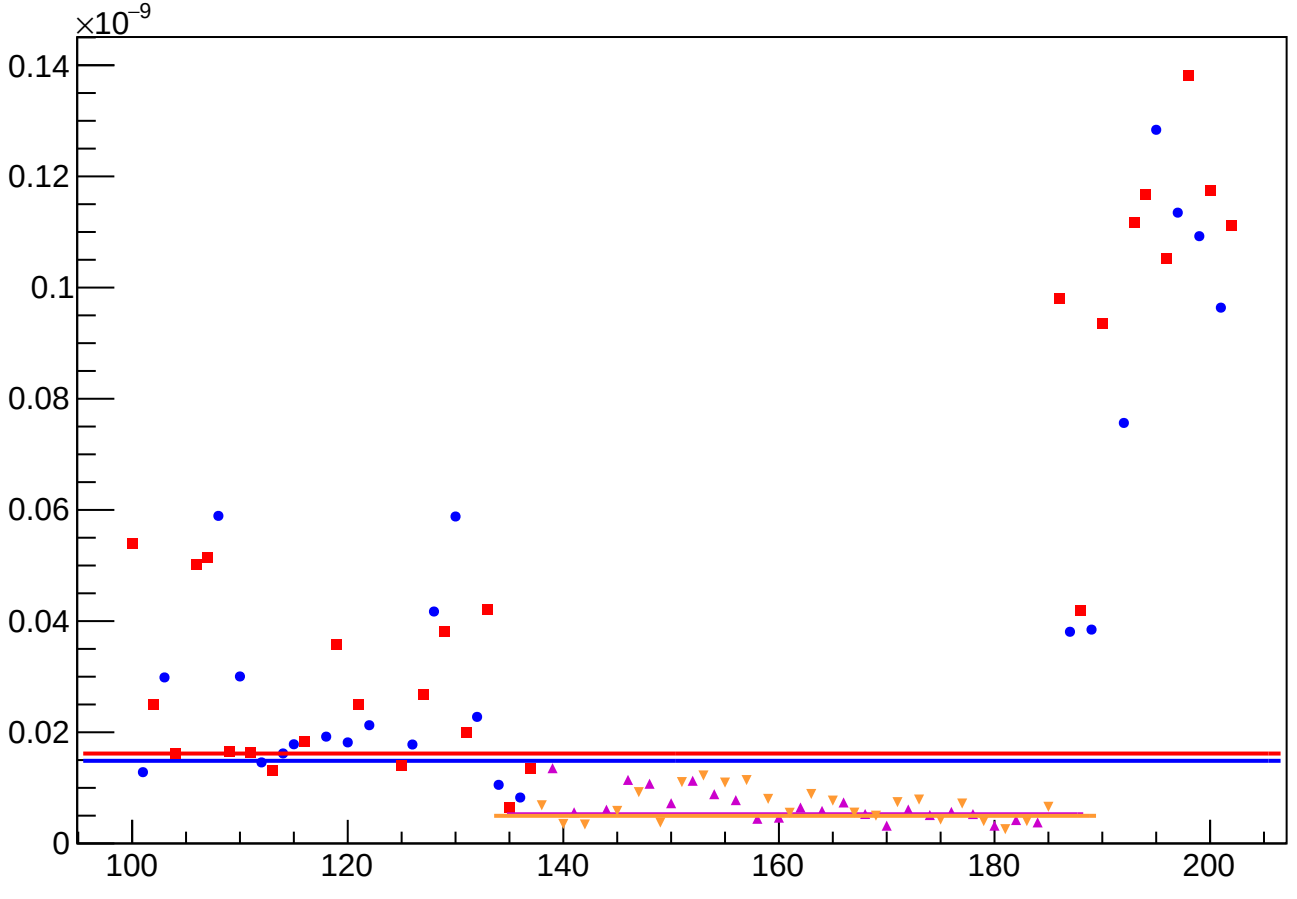
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 45.2/49

In: 0.000+/-0.000 χ^2/NDF:35.4/45

Out: 0.000+/-0.000 χ^2/NDF:44.4/50

All: 0.000+/-0.000 χ^2/NDF: 80.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 5705344.0/22

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

Right Out: 0.000+/-0.000 χ^2/NDF: 7881130.6/26

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

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

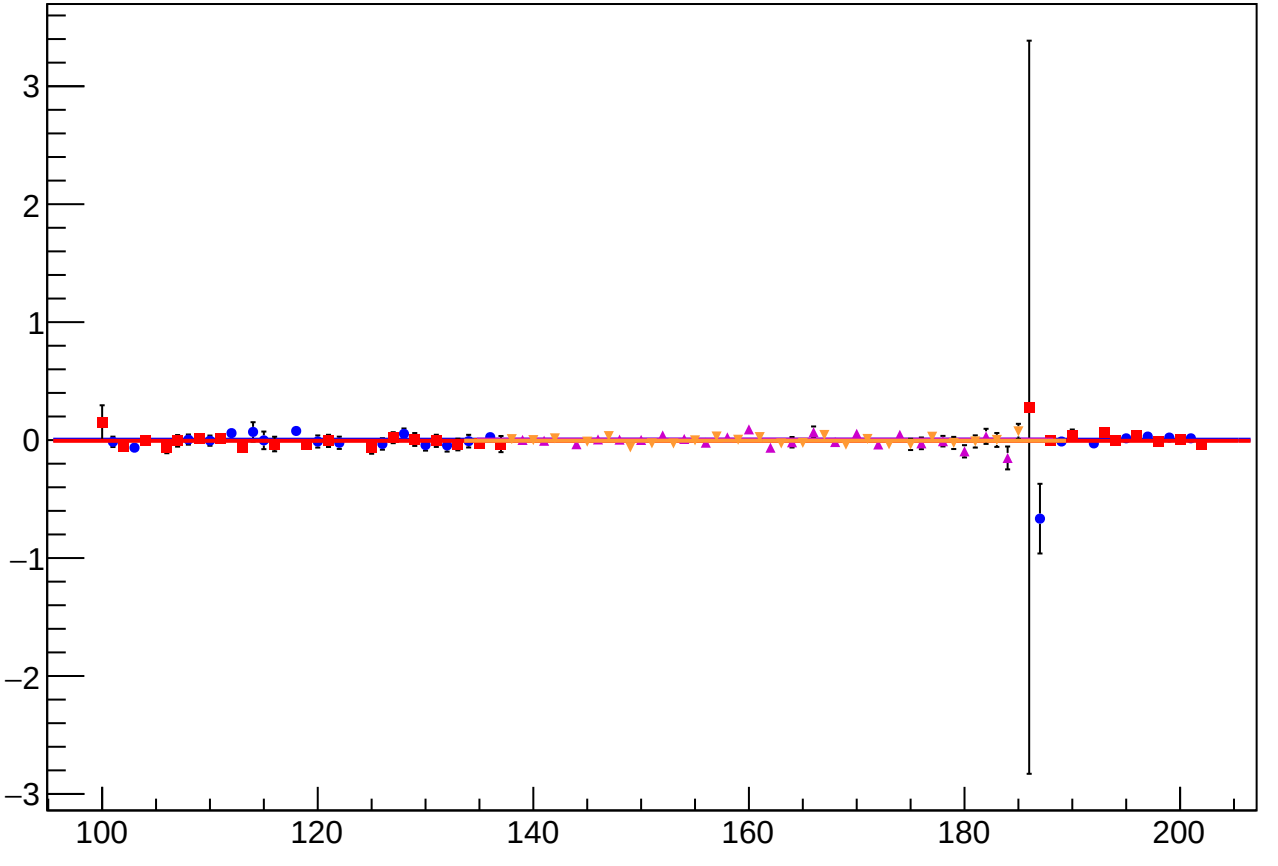
Right: 0.000+/-0.000 χ^2/NDF: 13617020.7/49

In: 0.000+/-0.000 χ^2/NDF:11611086.2/45

Out: 0.000+/-0.000 χ^2/NDF:15494683.4/50

All: 0.000+/-0.000 χ^2/NDF: 27135440.2/96

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 23.7/22

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

Right Out: -0.006+/-0.007 χ^2/NDF: 22.3/26

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

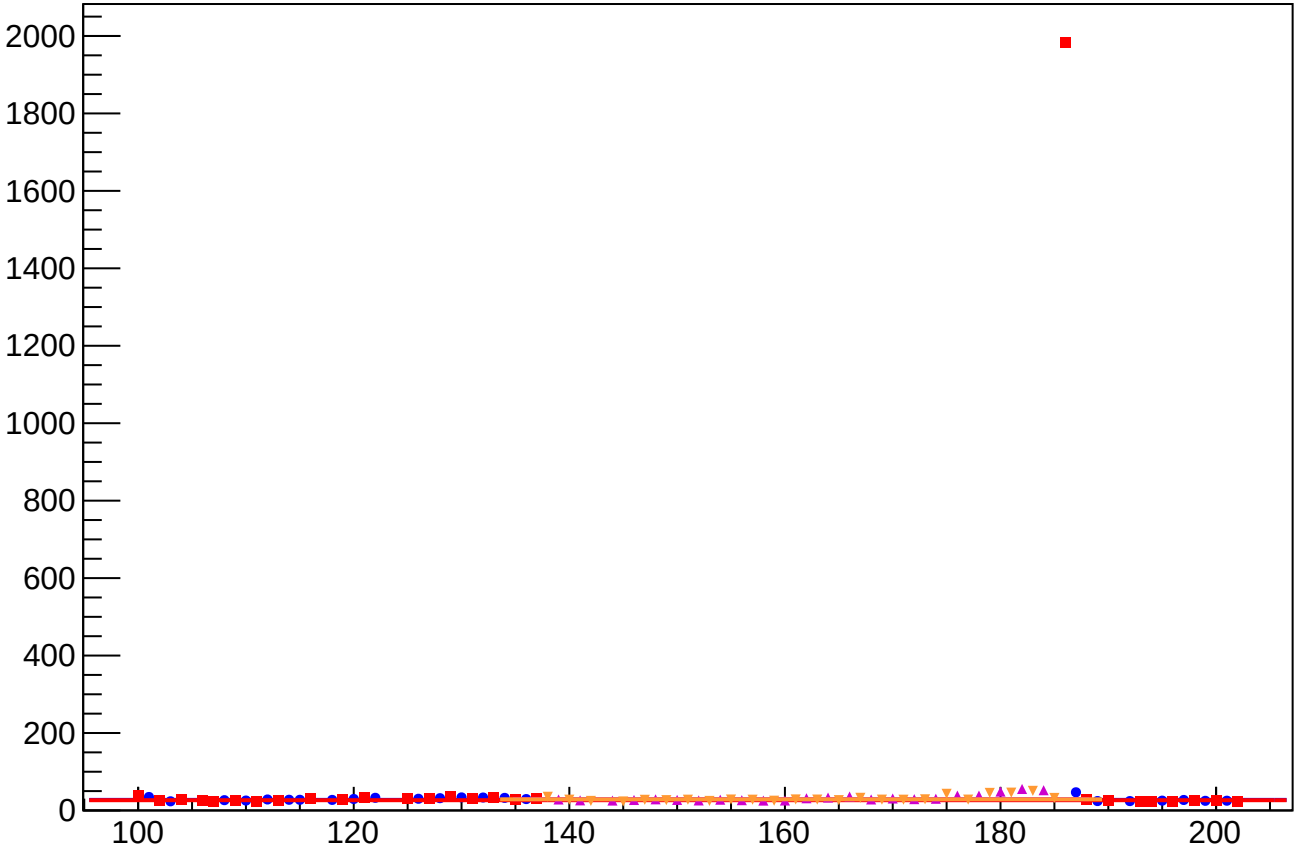
Right: -0.002+/-0.006 χ^2/NDF: 46.7/49

In: 0.004+/-0.005 χ^2/NDF:54.9/45

Out: -0.006+/-0.005 χ^2/NDF:39.1/50

All: -0.001+/-0.004 χ^2/NDF: 95.6/96

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.284+/-0.006 χ^2/NDF: 316909.9/22

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

Right Out: 26.495+/-0.005 χ^2/NDF: 1100367.9/26

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

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

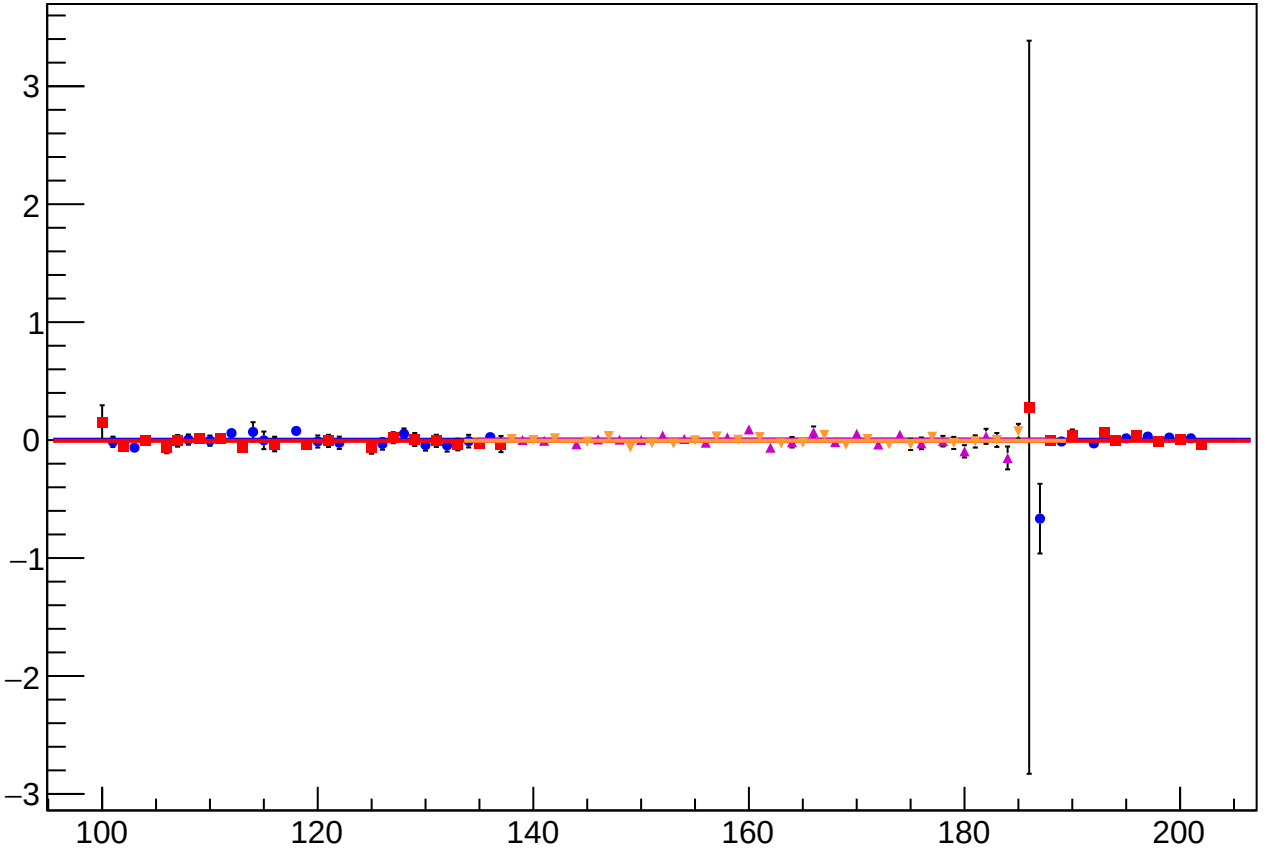
Right: 26.856+/-0.004 χ^2/NDF: 1427443.8/49

In: 28.394+/-0.004 χ^2/NDF:1523078.5/45

Out: 27.706+/-0.004 χ^2/NDF:2369676.7/50

All: 28.033+/-0.003 χ^2/NDF: 3909850.9/96

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 23.7/22

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

Right Out: -0.006+/-0.007 χ^2/NDF: 22.3/26

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

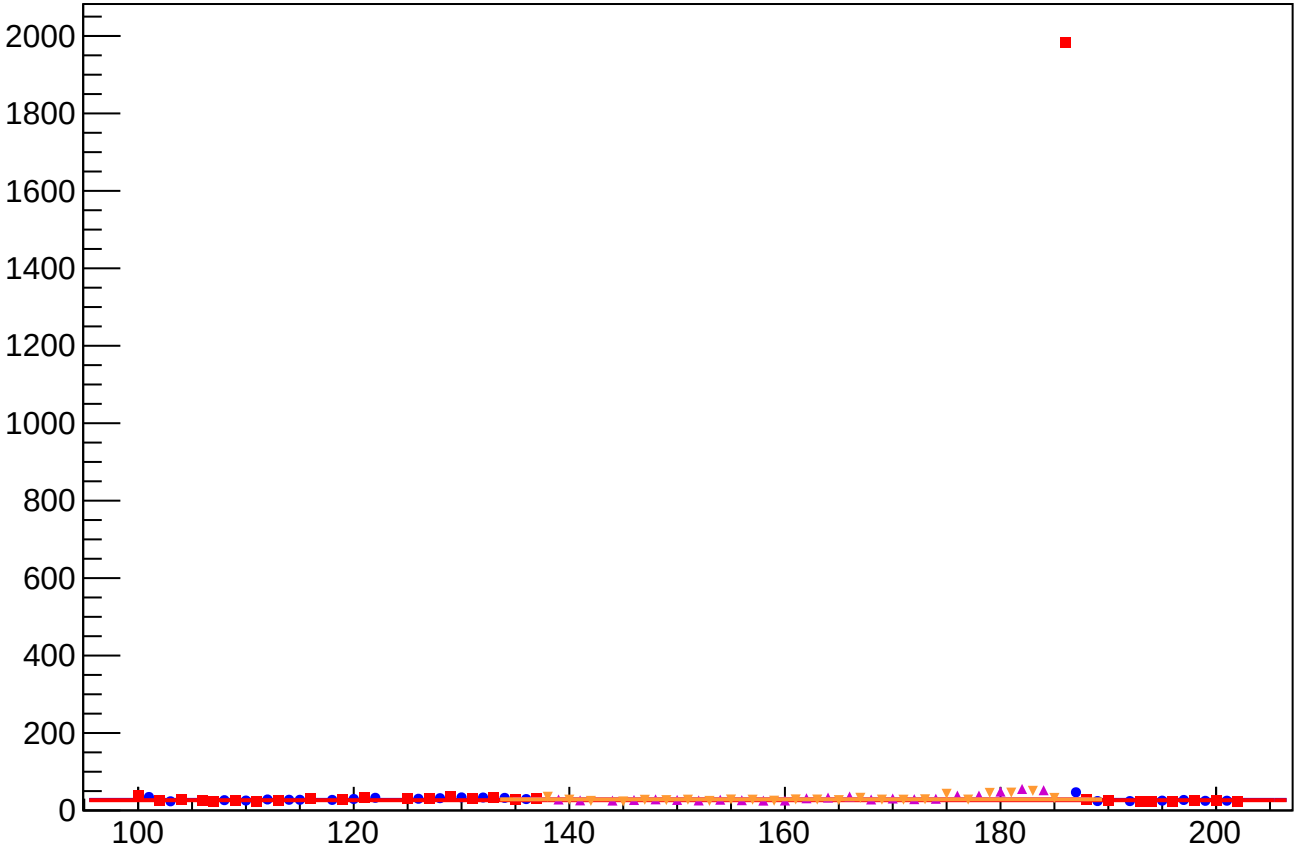
Right: -0.002+/-0.006 χ^2/NDF: 46.7/49

In: 0.004+/-0.005 χ^2/NDF:54.9/45

Out: -0.006+/-0.005 χ^2/NDF:39.1/50

All: -0.001+/-0.004 χ^2/NDF: 95.6/96

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.284+/-0.006 χ^2/NDF: 316909.9/22

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

Right Out: 26.495+/-0.005 χ^2/NDF: 1100367.9/26

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

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

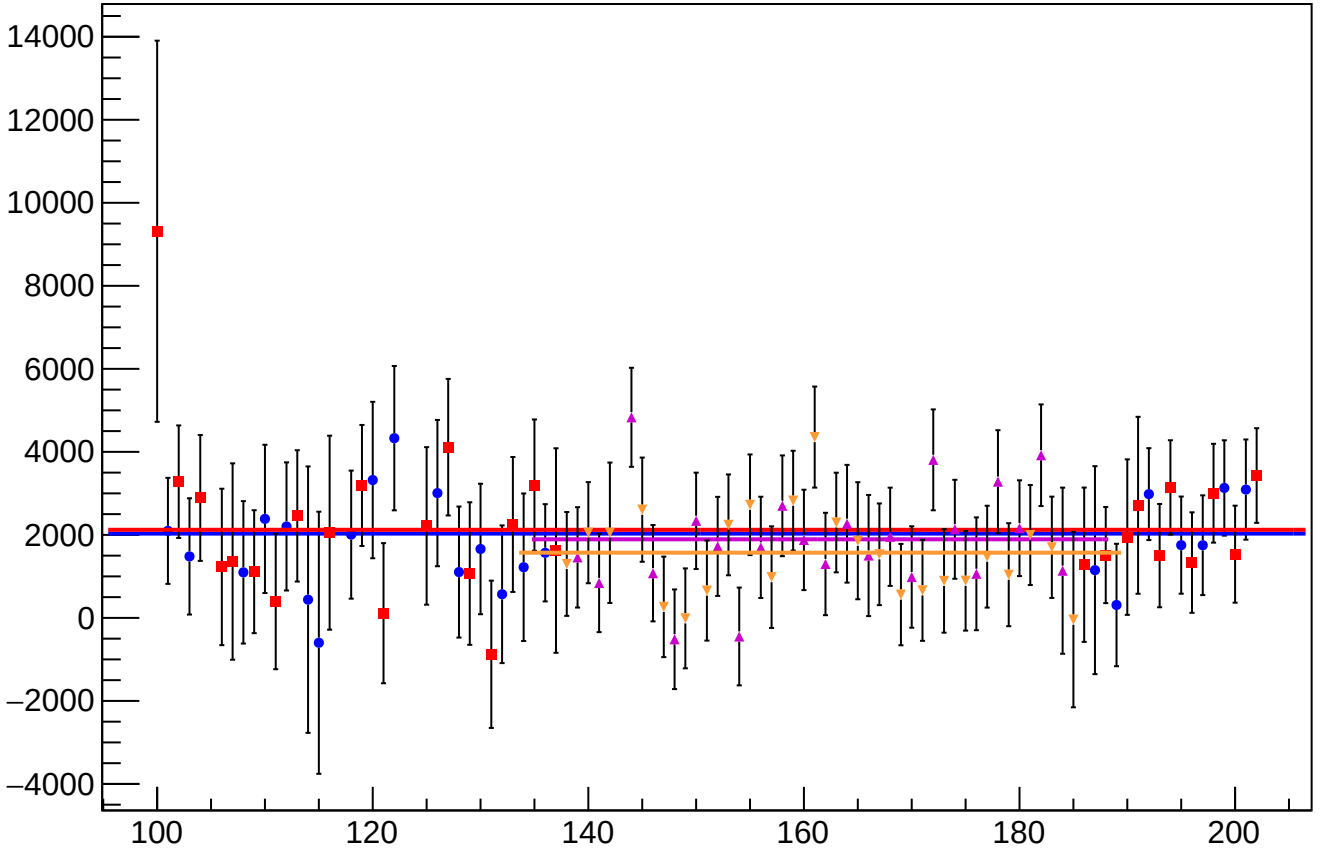
Right: 26.856+/-0.004 χ^2/NDF: 1427443.8/49

In: 28.394+/-0.004 χ^2/NDF:1523078.5/45

Out: 27.706+/-0.004 χ^2/NDF:2369676.7/50

All: 28.033+/-0.003 χ^2/NDF: 3909850.9/96

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2030.959+/-312.122 χ^2/NDF: 9.5/22

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

Right Out: 2122.780+/-290.844 χ^2/NDF: 16.7/27

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

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

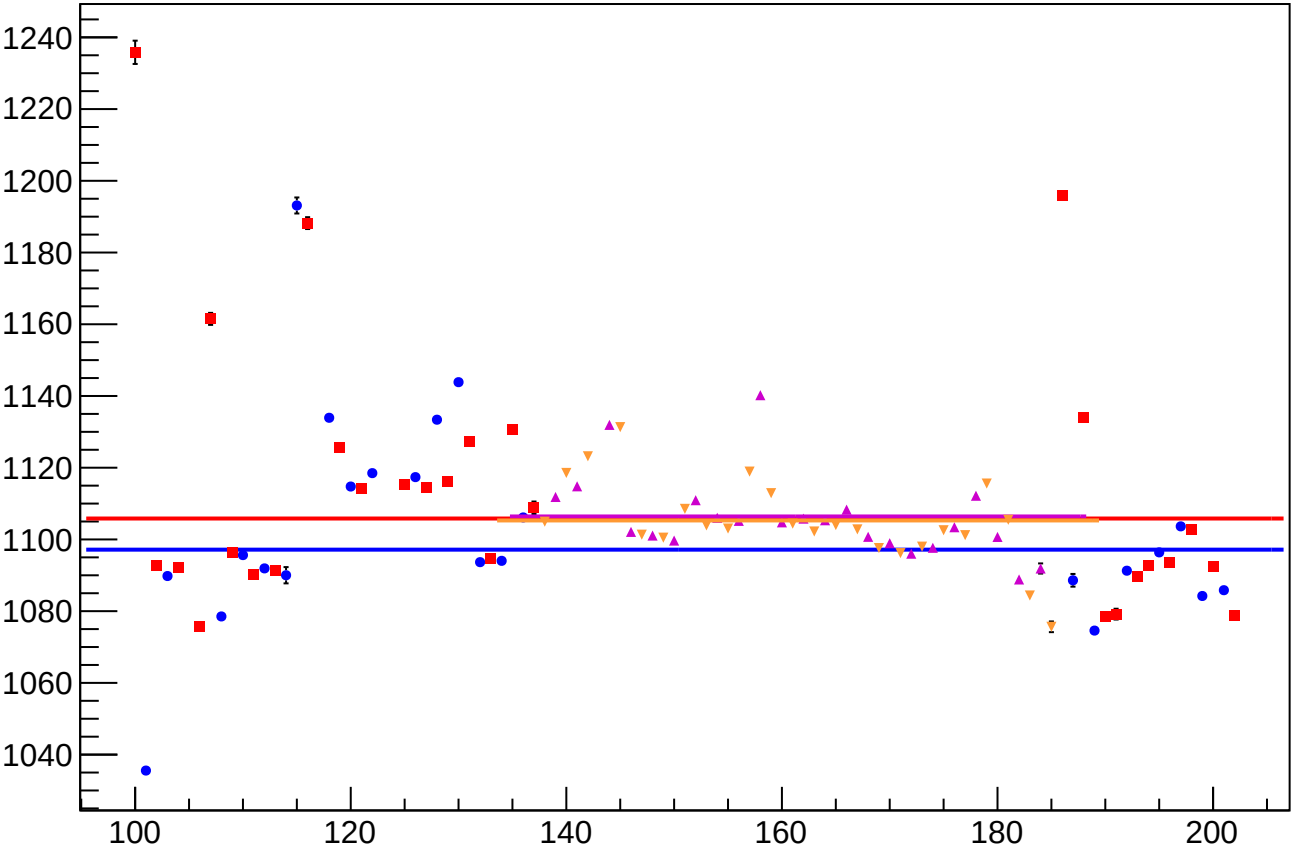
Right: 2080.105+/-212.783 χ^2/NDF: 26.3/50

In: 1949.293+/-199.013 χ^2/NDF:33.7/45

Out: 1812.472+/-192.390 χ^2/NDF:34.1/51

All: 1878.568+/-138.323 χ^2/NDF: 68.1/97

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.151+/-0.221 χ^2/NDF: 12689.2/22

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

Right Out: 1105.833+/-0.206 χ^2/NDF: 16819.0/27

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

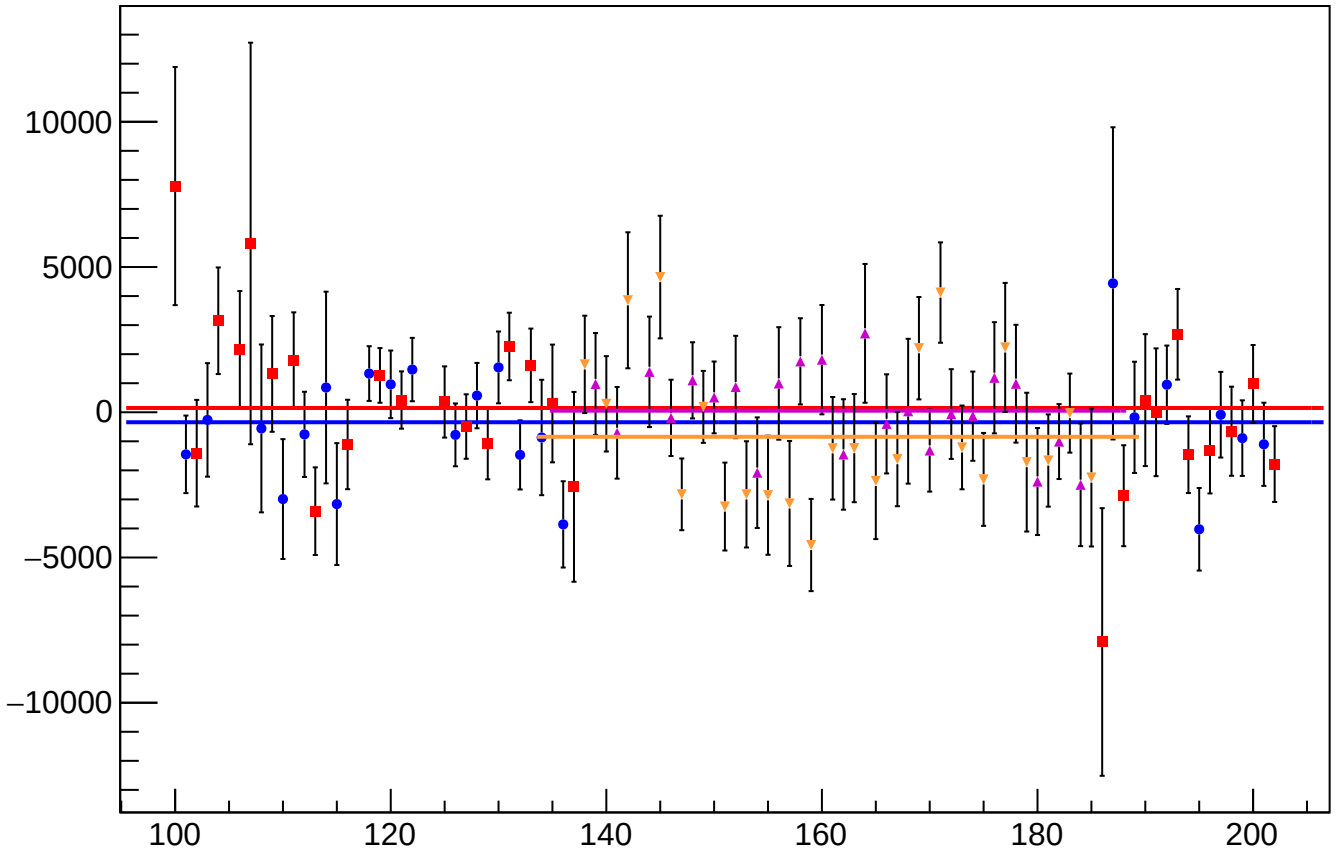
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1101.798+/-0.150 χ^2/NDF: 30336.4/50

In: 1102.643+/-0.141 χ^2/NDF:17509.0/45

Out: 1105.530+/-0.136 χ^2/NDF:19984.6/51

All: 1104.135+/-0.098 χ^2/NDF: 37711.1/97



Right In: -343.829+/-297.860 χ^2/NDF: 30.2/22

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

Right Out: 147.730+/-286.451 χ^2/NDF: 38.3/27

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

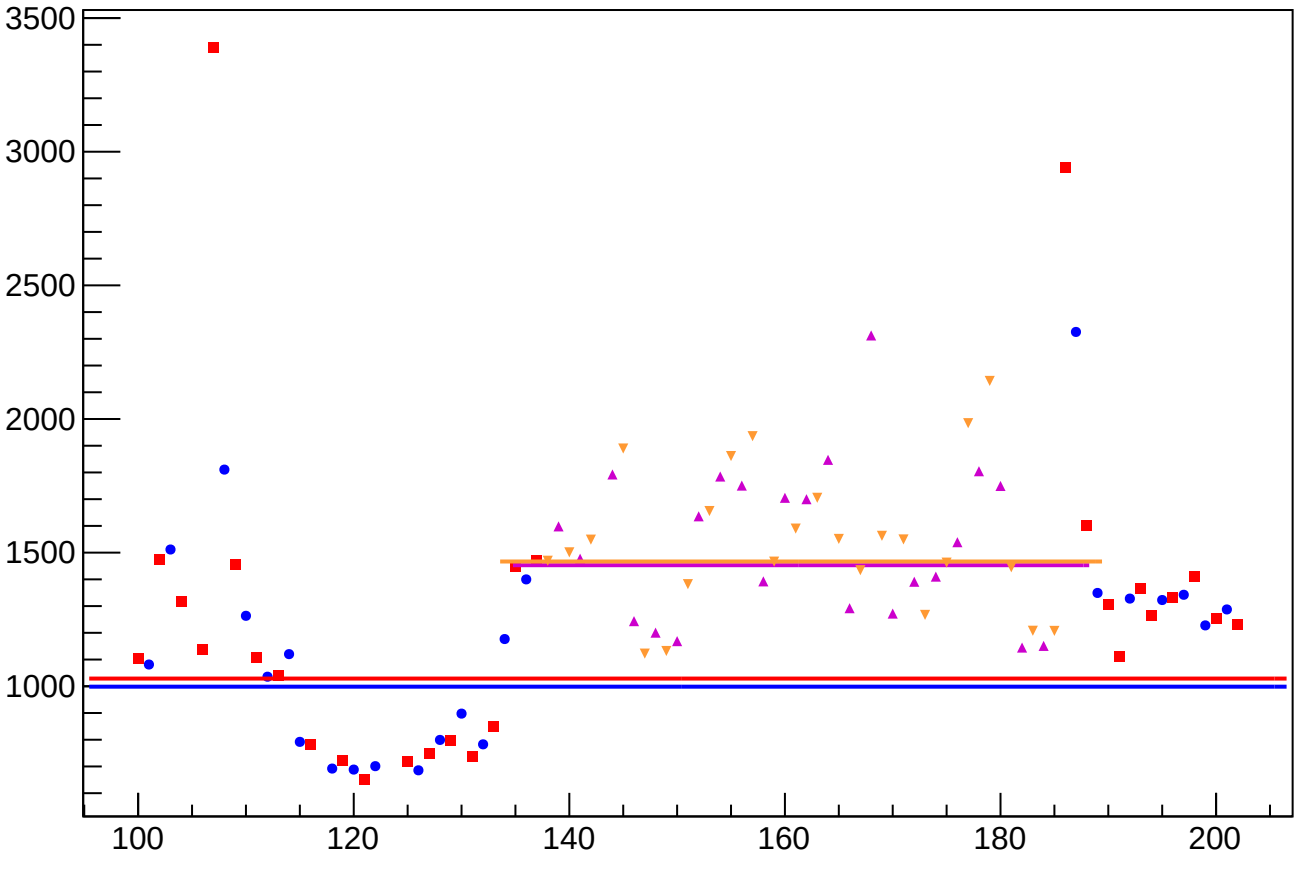
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -88.455+/-206.467 χ^2/NDF: 70.0/50

In: -174.325+/-225.726 χ^2/NDF:44.0/45

Out: -253.984+/-220.995 χ^2/NDF:87.4/51

All: -214.998+/-157.913 χ^2/NDF: 131.4/97



Right In: 998.500+/-0.211 χ^2/NDF: 1998889.0/22

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

Right Out: 1028.834+/-0.203 χ^2/NDF: 2736574.7/27

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

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

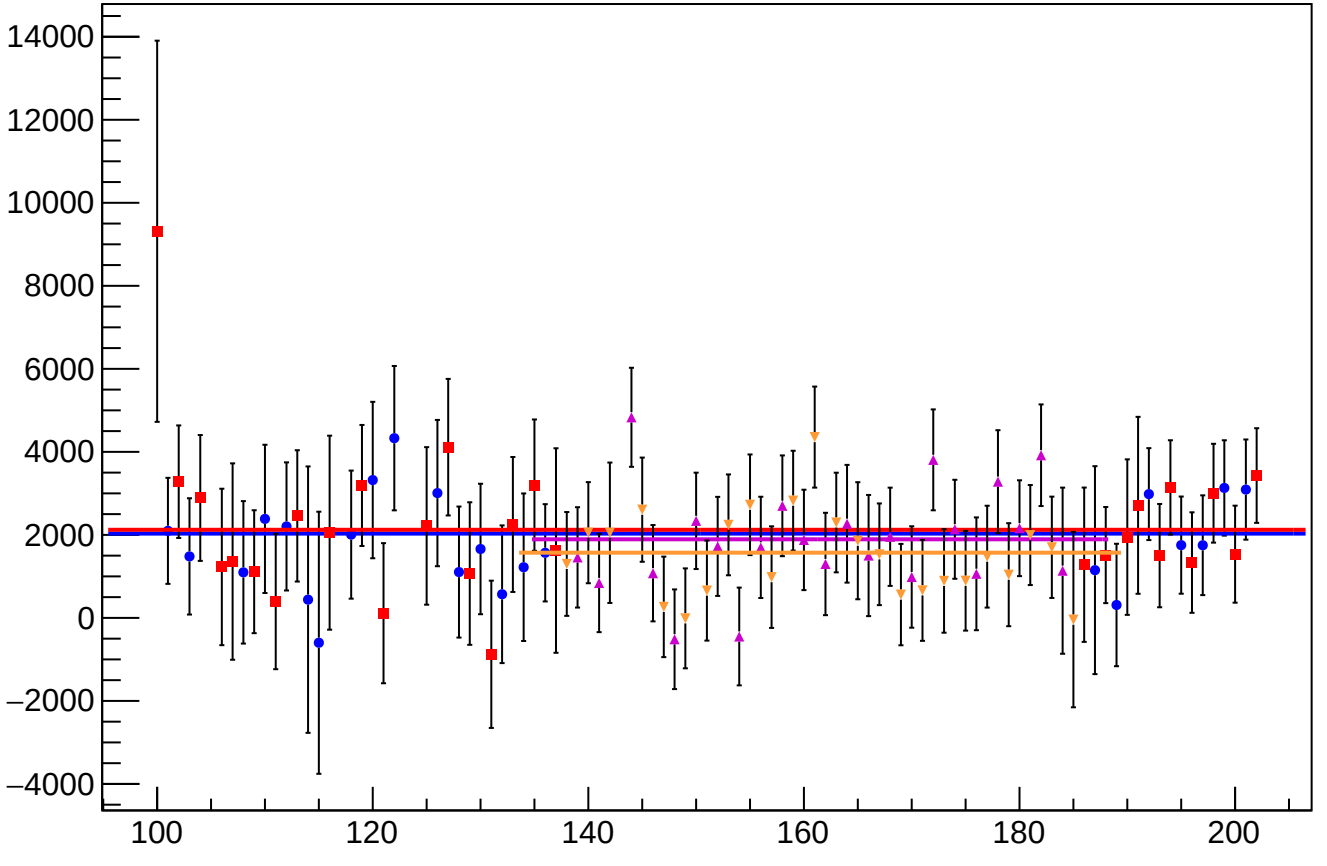
Right: 1014.259+/-0.146 χ^2/NDF: 4746239.8/50

In: 1191.974+/-0.160 χ^2/NDF:5110650.8/45

Out: 1206.141+/-0.156 χ^2/NDF:5672834.3/51

All: 1199.207+/-0.112 χ^2/NDF: 10787507.6/9

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2030.959+/-312.122 χ^2/NDF: 9.5/22

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

Right Out: 2122.770+/-290.844 χ^2/NDF: 16.7/27

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

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

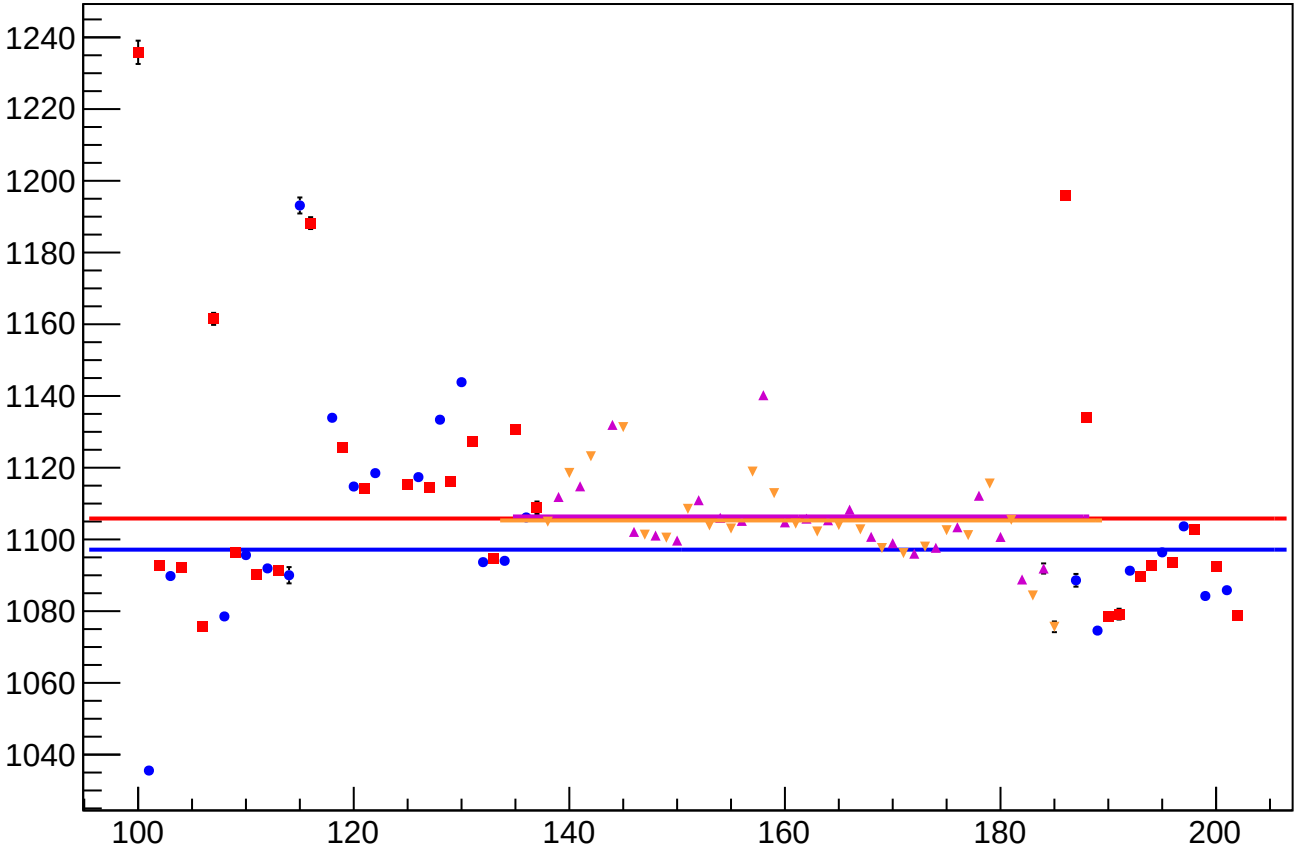
Right: 2080.100+/-212.783 χ^2/NDF: 26.3/50

In: 1949.293+/-199.013 χ^2/NDF:33.7/45

Out: 1812.468+/-192.390 χ^2/NDF:34.1/51

All: 1878.566+/-138.323 χ^2/NDF: 68.1/97

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.151+/-0.221 χ^2/NDF: 12689.2/22

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

Right Out: 1105.833+/-0.206 χ^2/NDF: 16819.0/27

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

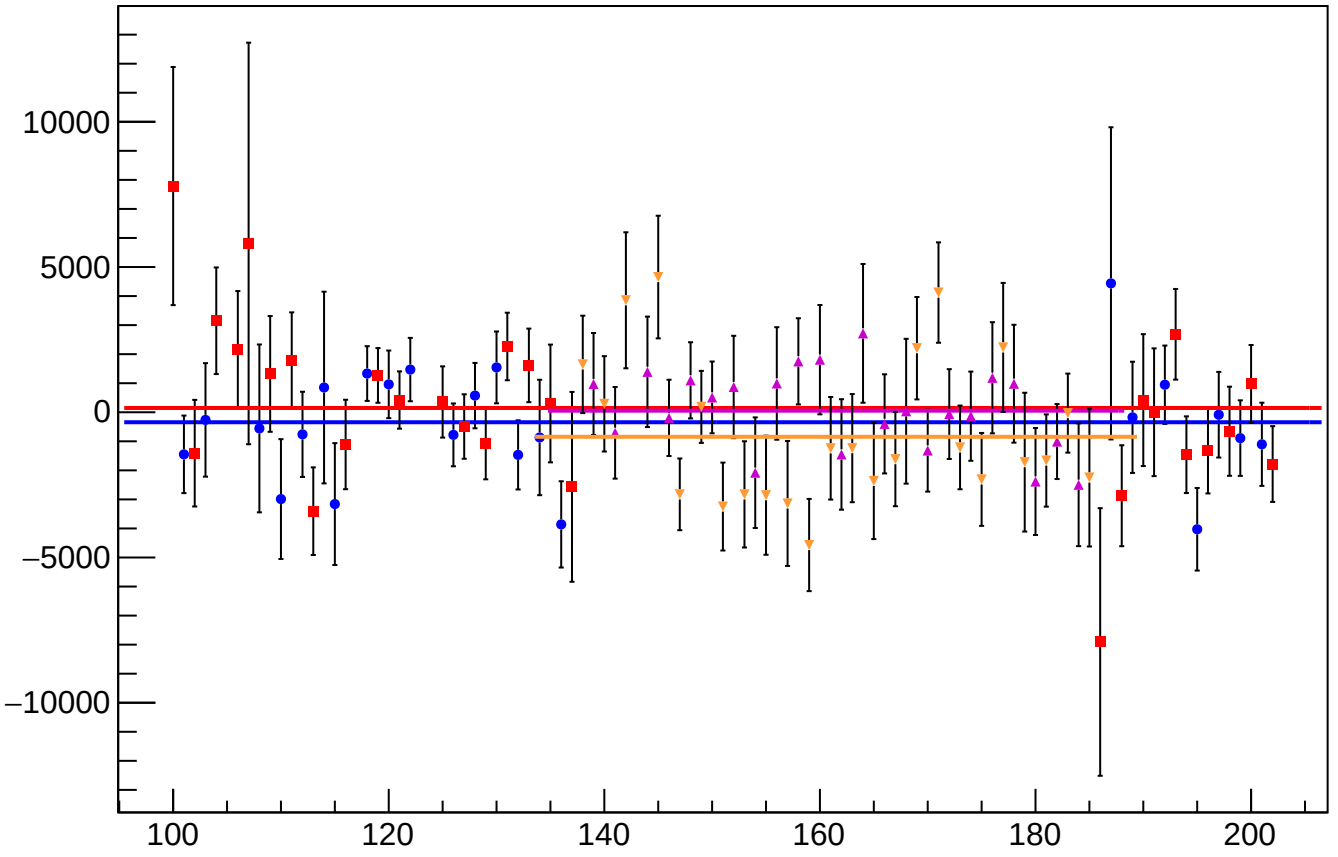
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1101.798+/-0.150 χ^2/NDF: 30336.4/50

In: 1102.643+/-0.141 χ^2/NDF:17509.0/45

Out: 1105.530+/-0.136 χ^2/NDF:19984.6/51

All: 1104.135+/-0.098 χ^2/NDF: 37711.1/97



Right In: -343.829+/-297.860 χ^2/NDF: 30.2/22

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

Right Out: 147.730+/-286.451 χ^2/NDF: 38.3/27

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

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

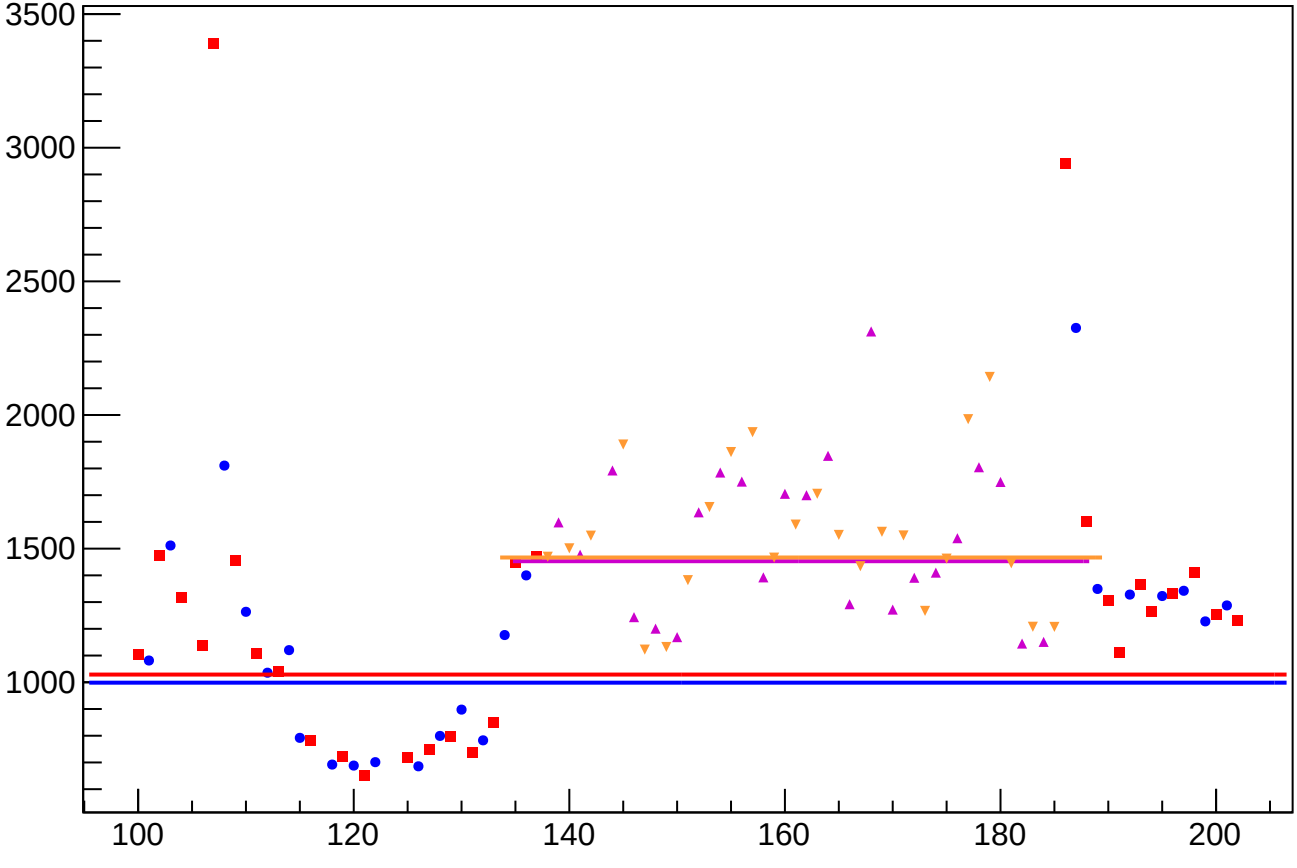
Right: -88.456+/-206.467 χ^2/NDF: 70.0/50

In: -174.325+/-225.726 χ^2/NDF:44.0/45

Out: -253.984+/-220.995 χ^2/NDF:87.4/51

All: -214.998+/-157.913 χ^2/NDF: 131.4/97

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 998.500+/-0.211 χ^2/NDF: 1998889.0/22

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

Right Out: 1028.834+/-0.203 χ^2/NDF: 2736573.9/27

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

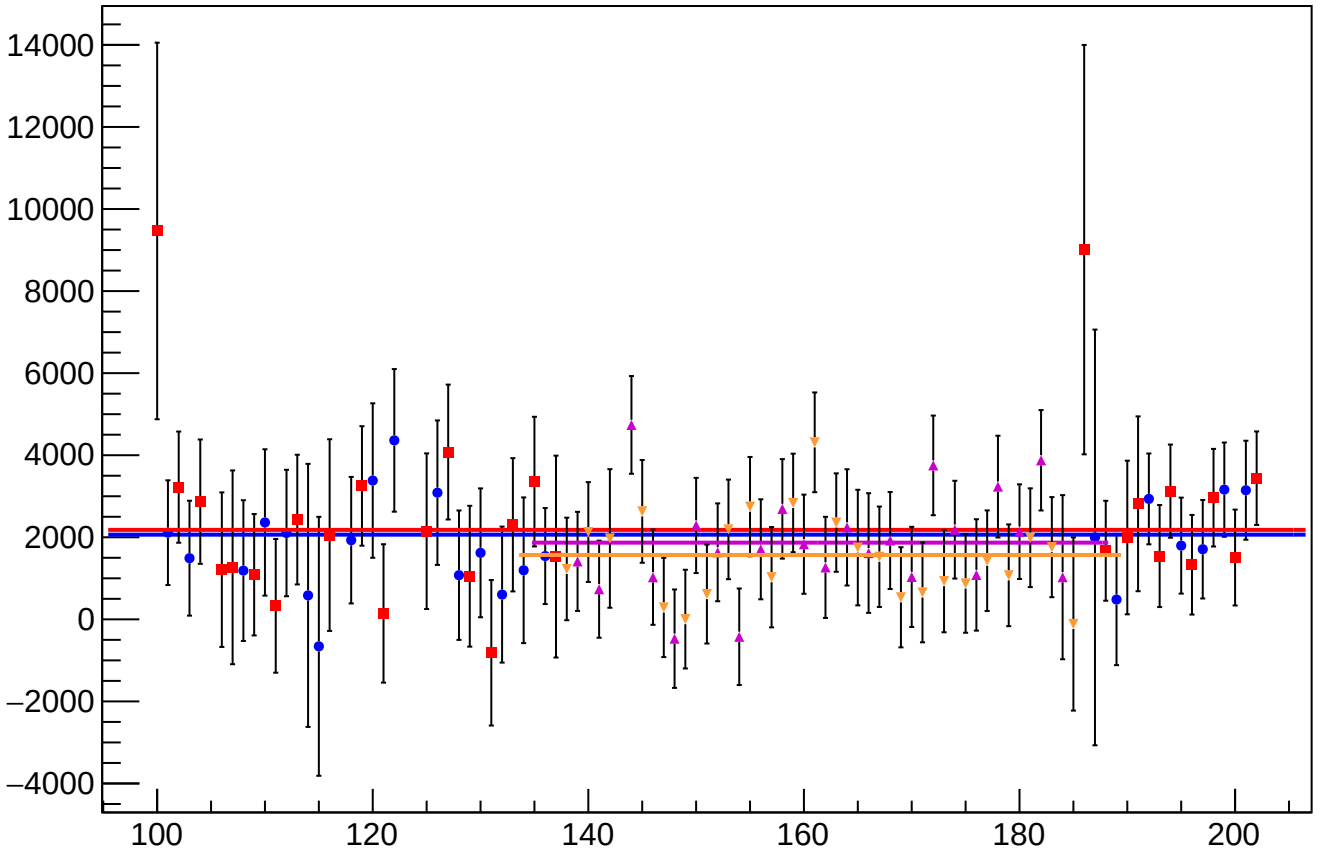
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 1014.259+/-0.146 χ^2/NDF: 4746238.9/50

In: 1191.974+/-0.160 χ^2/NDF:5110650.8/45

Out: 1206.140+/-0.156 χ^2/NDF:5672835.3/51

All: 1199.207+/-0.112 χ^2/NDF: 10787508.5/9



Right In: 2064.113+/-314.808 χ^2/NDF: 9.1/22

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

Right Out: 2180.795+/-294.716 χ^2/NDF: 18.4/27

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

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

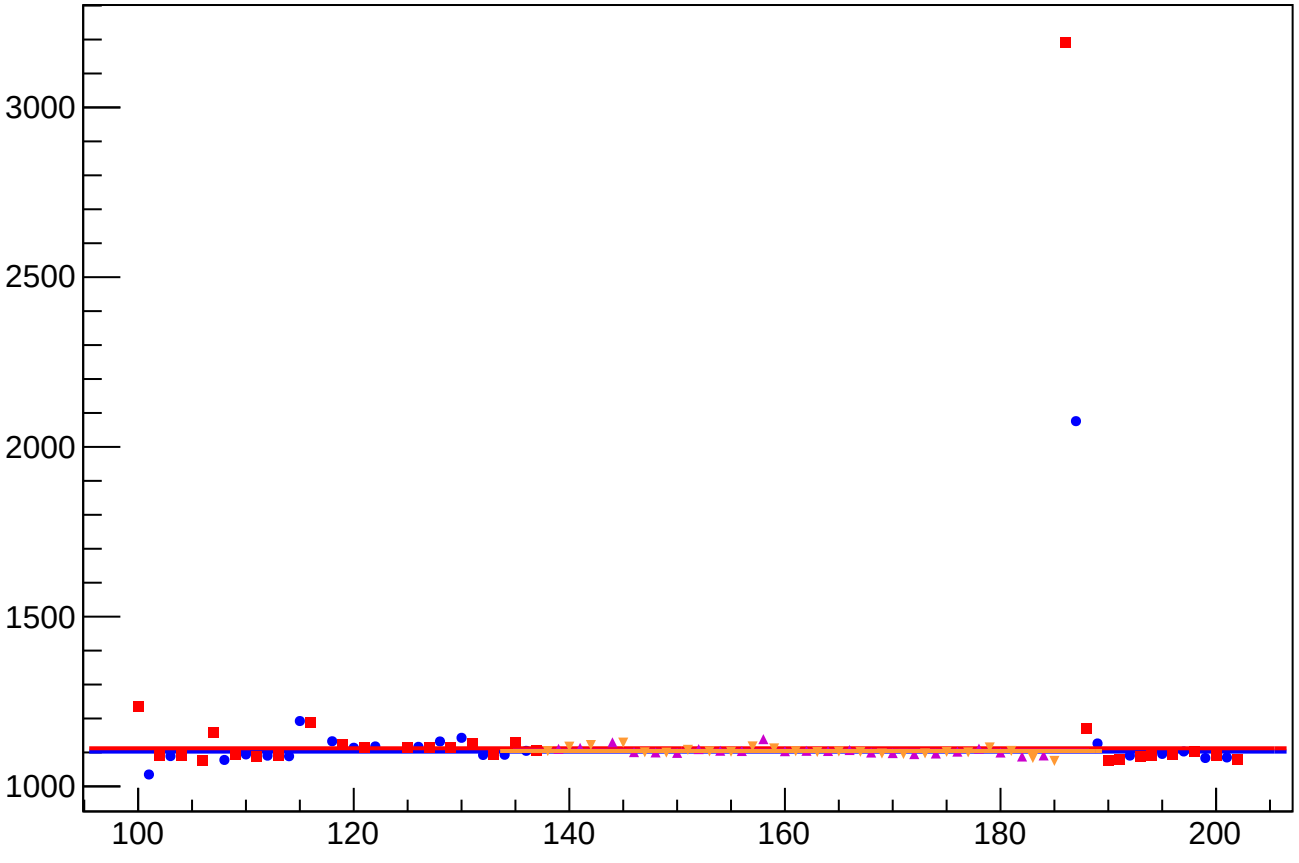
Right: 2126.296+/-215.148 χ^2/NDF: 27.6/50

In: 1947.635+/-199.593 χ^2/NDF:32.8/45

Out: 1832.322+/-193.395 χ^2/NDF:36.3/51

All: 1888.160+/-138.890 χ^2/NDF: 69.2/97

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.424+/-0.223 χ^2/NDF: 86867.4/22

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

Right Out: 1112.245+/-0.208 χ^2/NDF: 365022.1/27

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

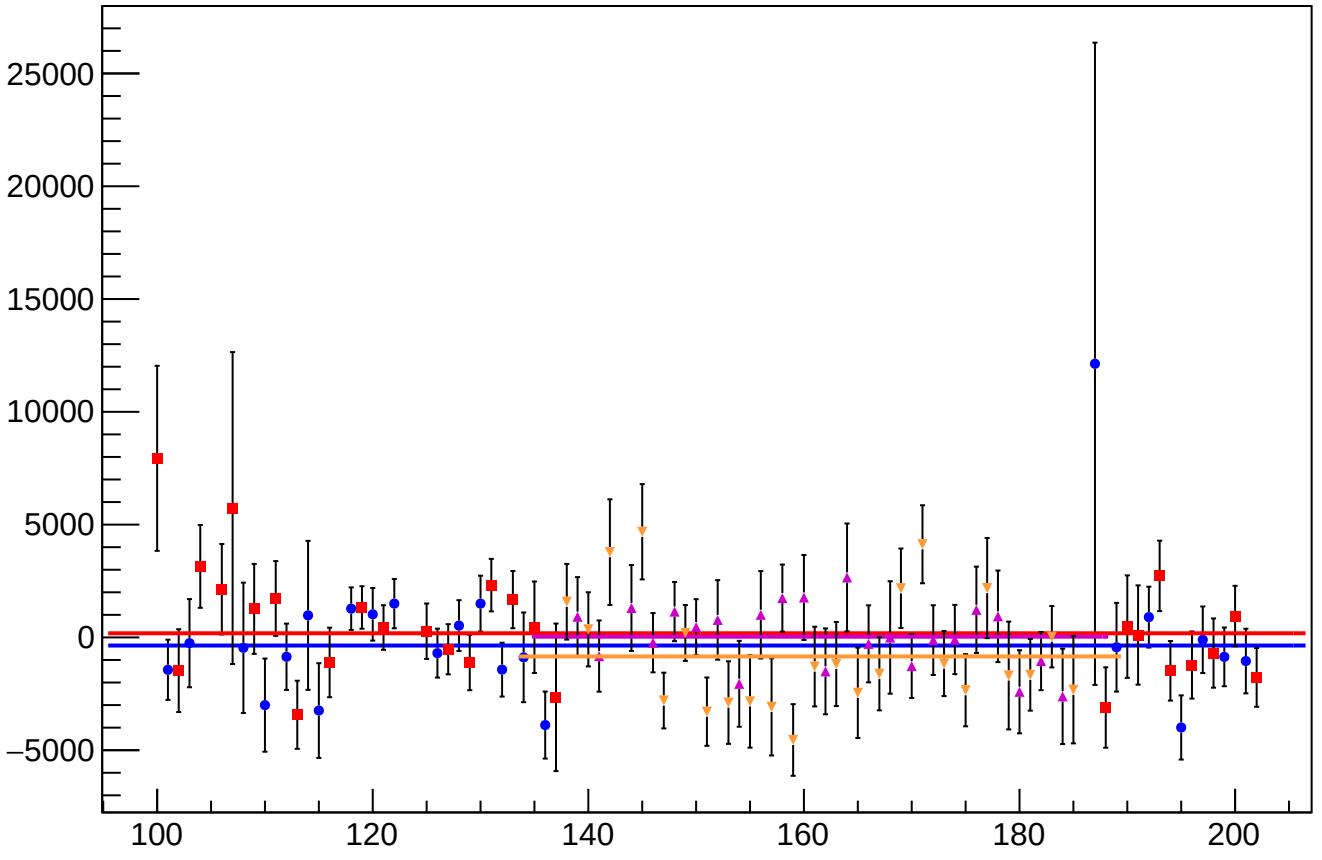
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1107.658+/-0.152 χ^2/NDF: 452926.8/50

In: 1104.192+/-0.141 χ^2/NDF:90634.0/45

Out: 1107.697+/-0.137 χ^2/NDF:368857.7/51

All: 1106.000+/-0.098 χ^2/NDF: 459809.8/97



Right In: -359.602+/-298.821 χ^2/NDF: 29.8/22

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

Right Out: 183.217+/-287.565 χ^2/NDF: 36.2/26

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

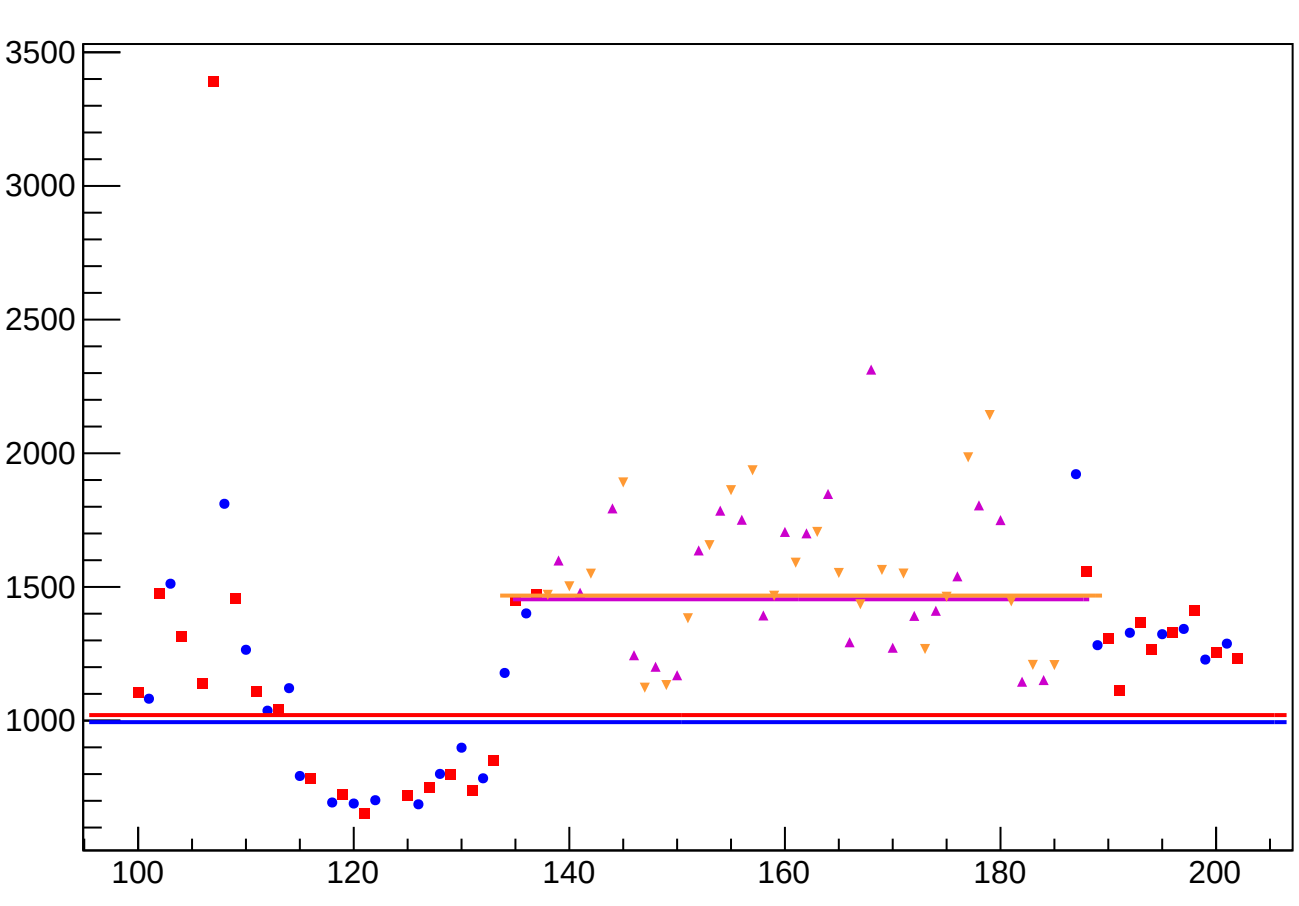
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: -77.777+/-207.204 χ^2/NDF: 67.7/49

In: -192.648+/-226.197 χ^2/NDF:43.6/45

Out: -233.956+/-221.555 χ^2/NDF:85.4/50

All: -213.730+/-158.279 χ^2/NDF: 129.0/96



Right In: 994.276+/-0.211 χ^2/NDF: 1850454.5/22

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

Right Out: 1020.686+/-0.203 χ^2/NDF: 2337635.8/26

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

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

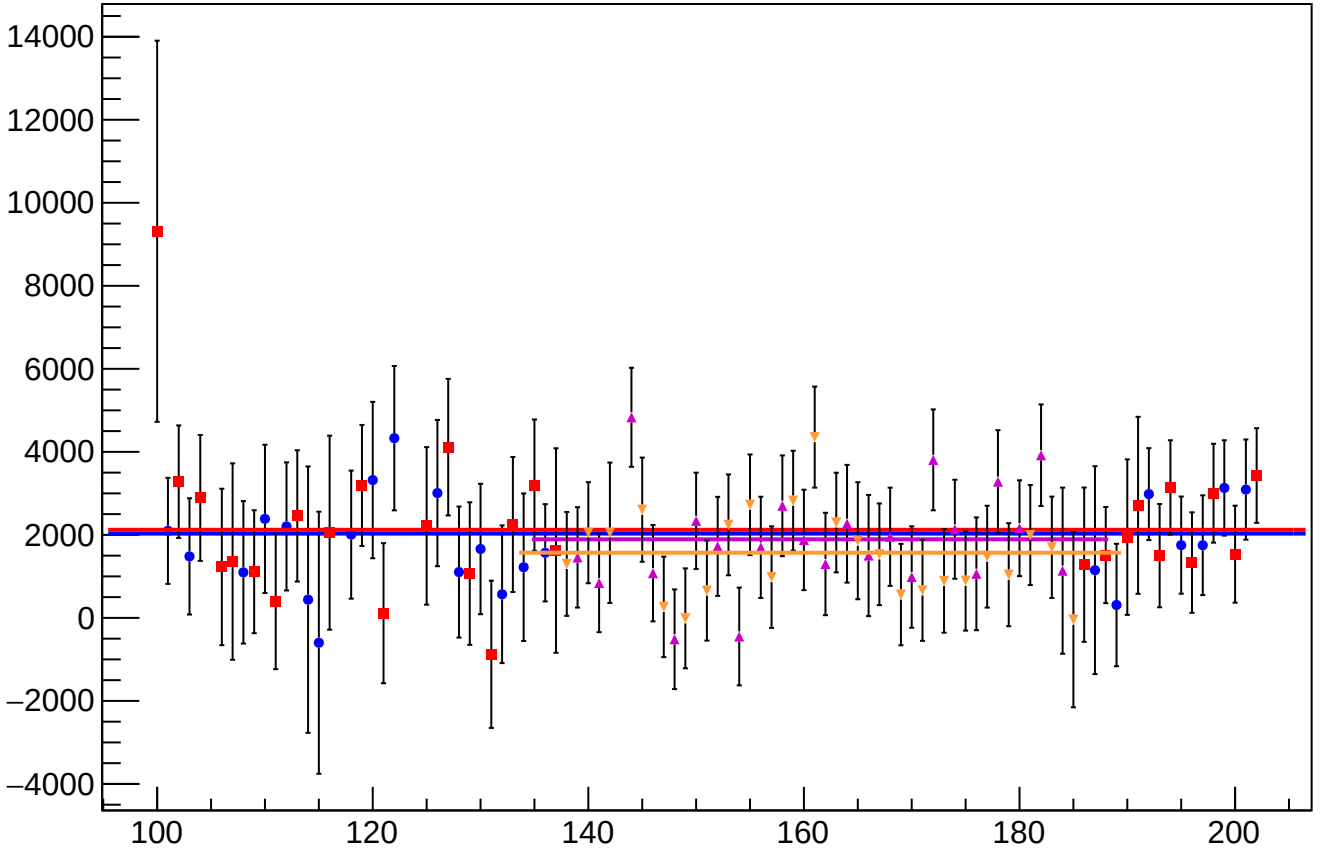
Right: 1007.988+/-0.147 χ^2/NDF: 4196201.0/49

In: 1190.509+/-0.160 χ^2/NDF:4998305.3/45

Out: 1202.353+/-0.157 χ^2/NDF:5343562.0/50

All: 1196.554+/-0.112 χ^2/NDF: 10344665.9/9

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2030.959+/-312.122 χ^2/NDF: 9.5/22

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

Right Out: 2122.770+/-290.844 χ^2/NDF: 16.7/27

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

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

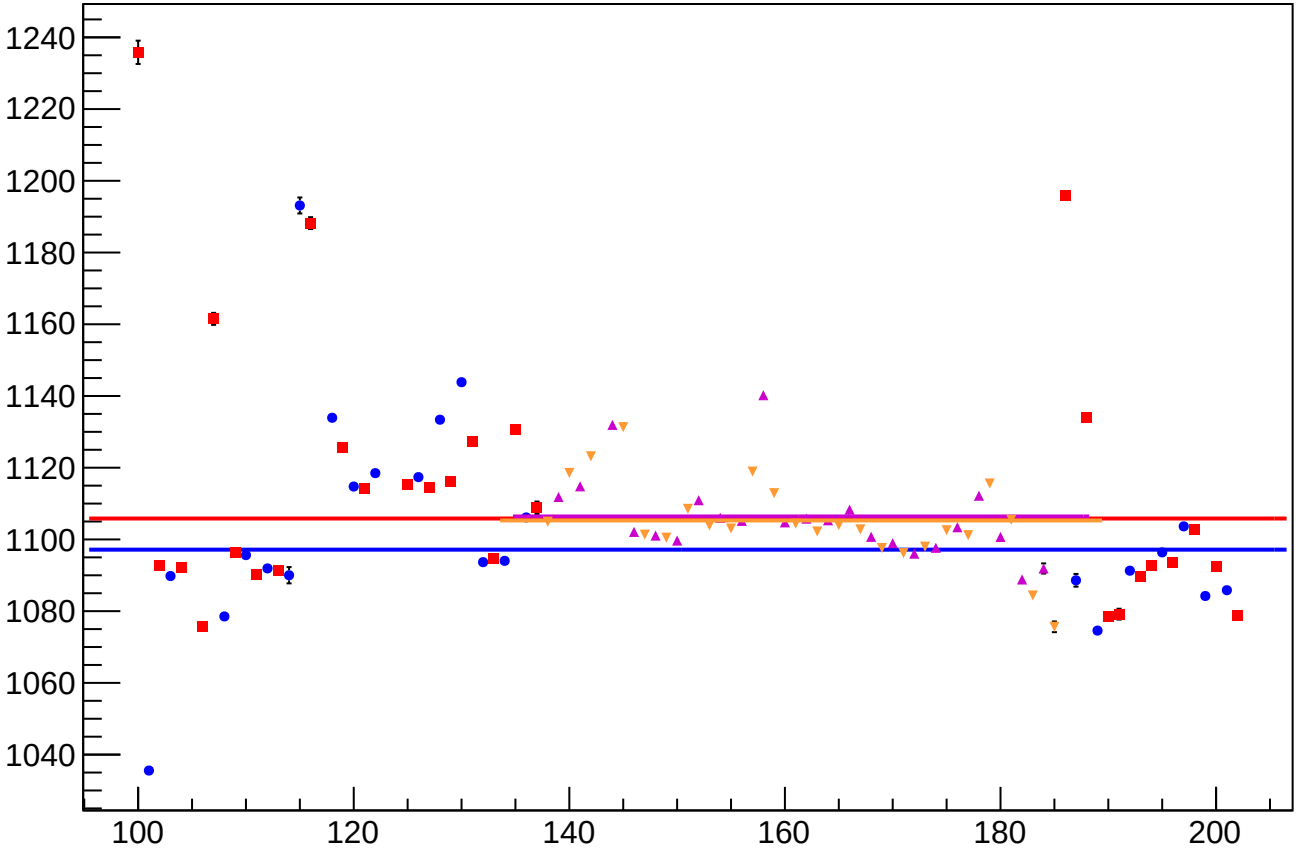
Right: 2080.100+/-212.783 χ^2/NDF: 26.3/50

In: 1949.293+/-199.013 χ^2/NDF:33.7/45

Out: 1812.468+/-192.390 χ^2/NDF:34.1/51

All: 1878.566+/-138.323 χ^2/NDF: 68.1/97

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.151+/-0.221 χ^2/NDF: 12689.2/22

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

Right Out: 1105.833+/-0.206 χ^2/NDF: 16819.0/27

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

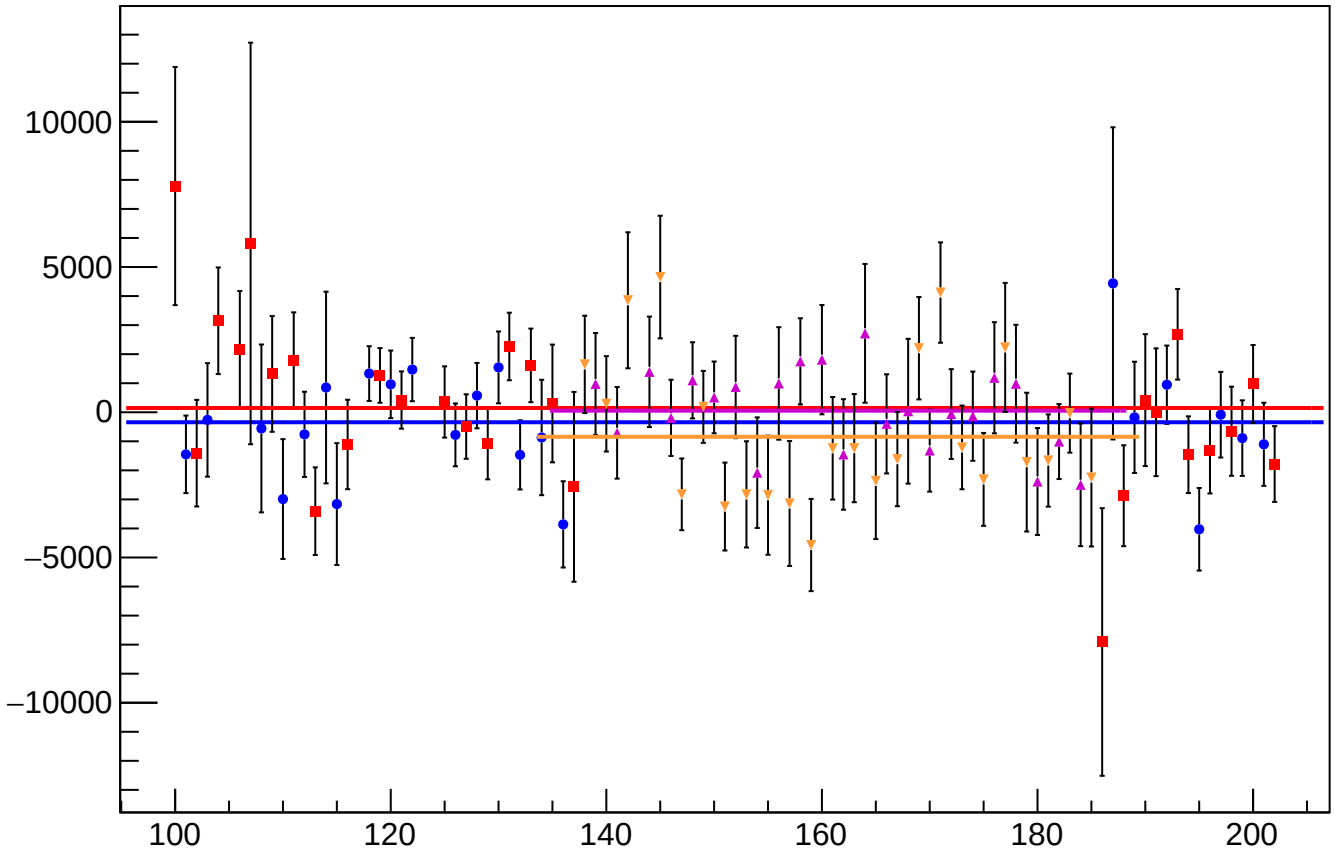
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1101.798+/-0.150 χ^2/NDF: 30336.4/50

In: 1102.643+/-0.141 χ^2/NDF:17509.0/45

Out: 1105.530+/-0.136 χ^2/NDF:19984.6/51

All: 1104.135+/-0.098 χ^2/NDF: 37711.1/97



Right In: -343.829+/-297.860 χ^2/NDF: 30.2/22

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

Right Out: 147.730+/-286.451 χ^2/NDF: 38.3/27

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

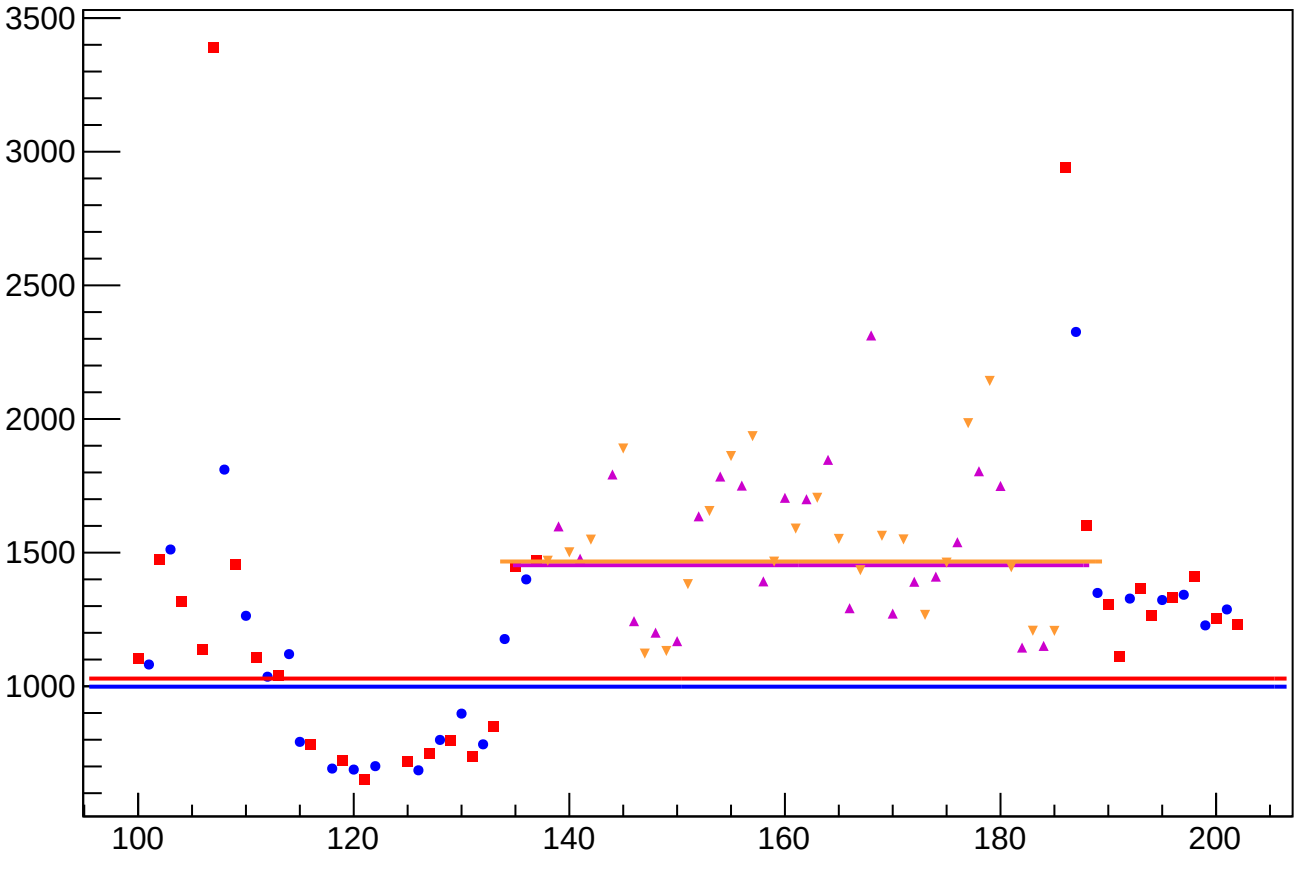
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -88.456+/-206.467 χ^2/NDF: 70.0/50

In: -174.325+/-225.726 χ^2/NDF:44.0/45

Out: -253.984+/-220.995 χ^2/NDF:87.4/51

All: -214.998+/-157.913 χ^2/NDF: 131.4/97



Right In: 998.500+/-0.211 χ^2/NDF: 1998889.0/22

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

Right Out: 1028.834+/-0.203 χ^2/NDF: 2736573.9/27

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

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

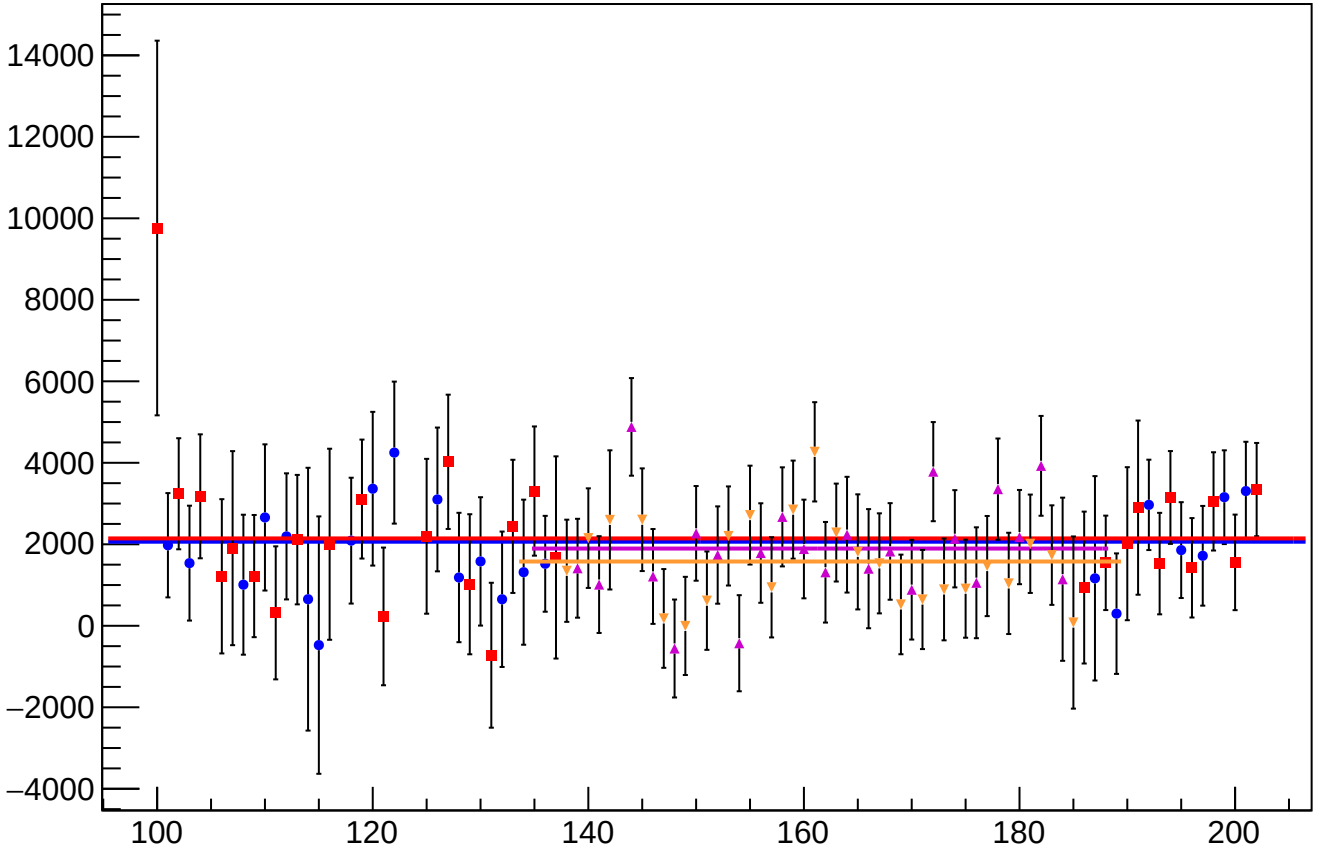
Right: 1014.259+/-0.146 χ^2/NDF: 4746238.9/50

In: 1191.974+/-0.160 χ^2/NDF:5110650.8/45

Out: 1206.140+/-0.156 χ^2/NDF:5672835.3/51

All: 1199.207+/-0.112 χ^2/NDF: 10787508.5/9

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2063.697+/-313.290 χ^2/NDF: 9.7/22

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2144.163+/-292.012 χ^2/NDF: 16.5/27

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

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

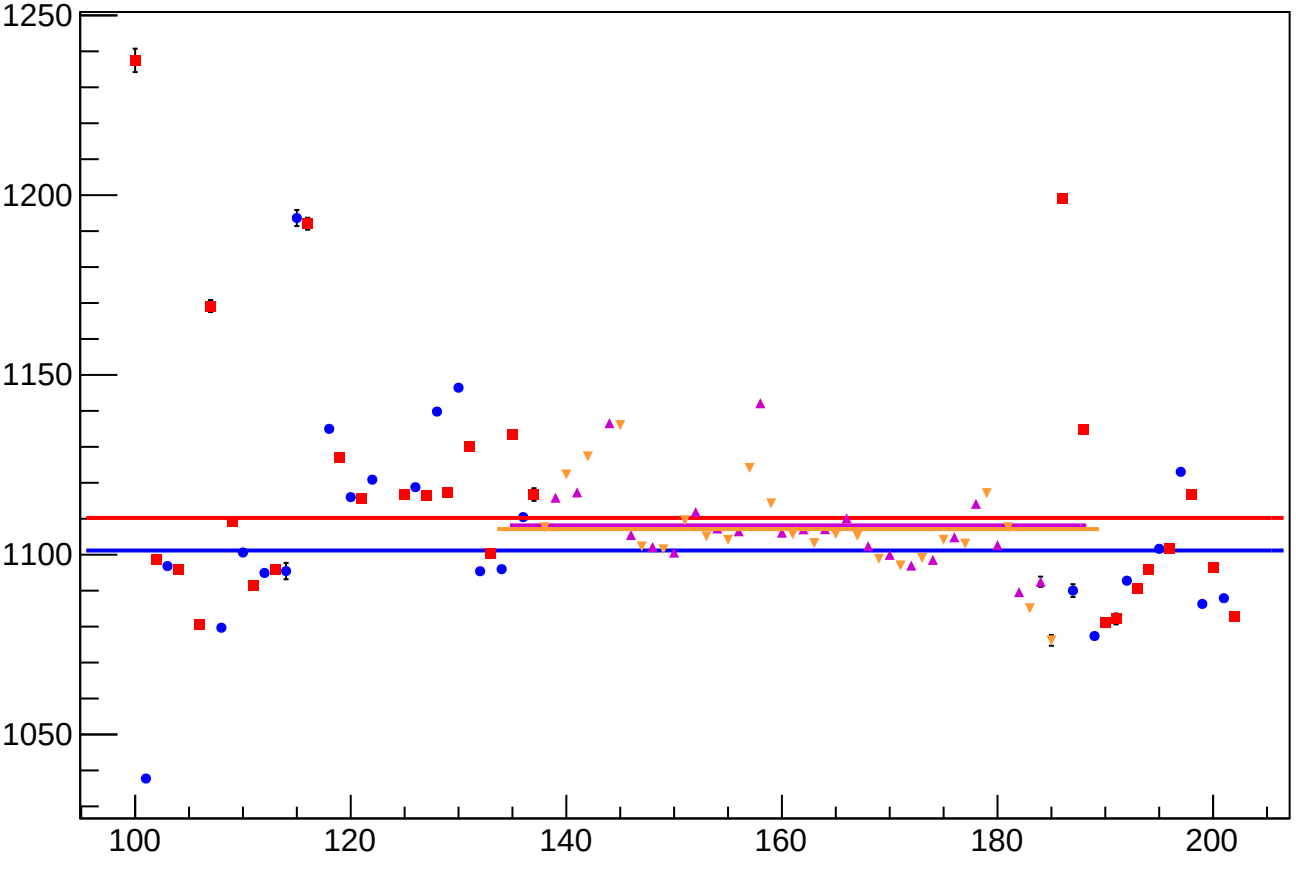
Right: 2106.755+/-213.610 χ^2/NDF: 26.2/50

In: 1963.735+/-199.504 χ^2/NDF:33.9/45

Out: 1824.788+/-192.925 χ^2/NDF:34.2/51

All: 1891.933+/-138.686 χ^2/NDF: 68.3/97

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.168+/-0.222 χ^2/NDF: 13424.0/22

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1110.228+/-0.206 χ^2/NDF: 16227.8/27

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

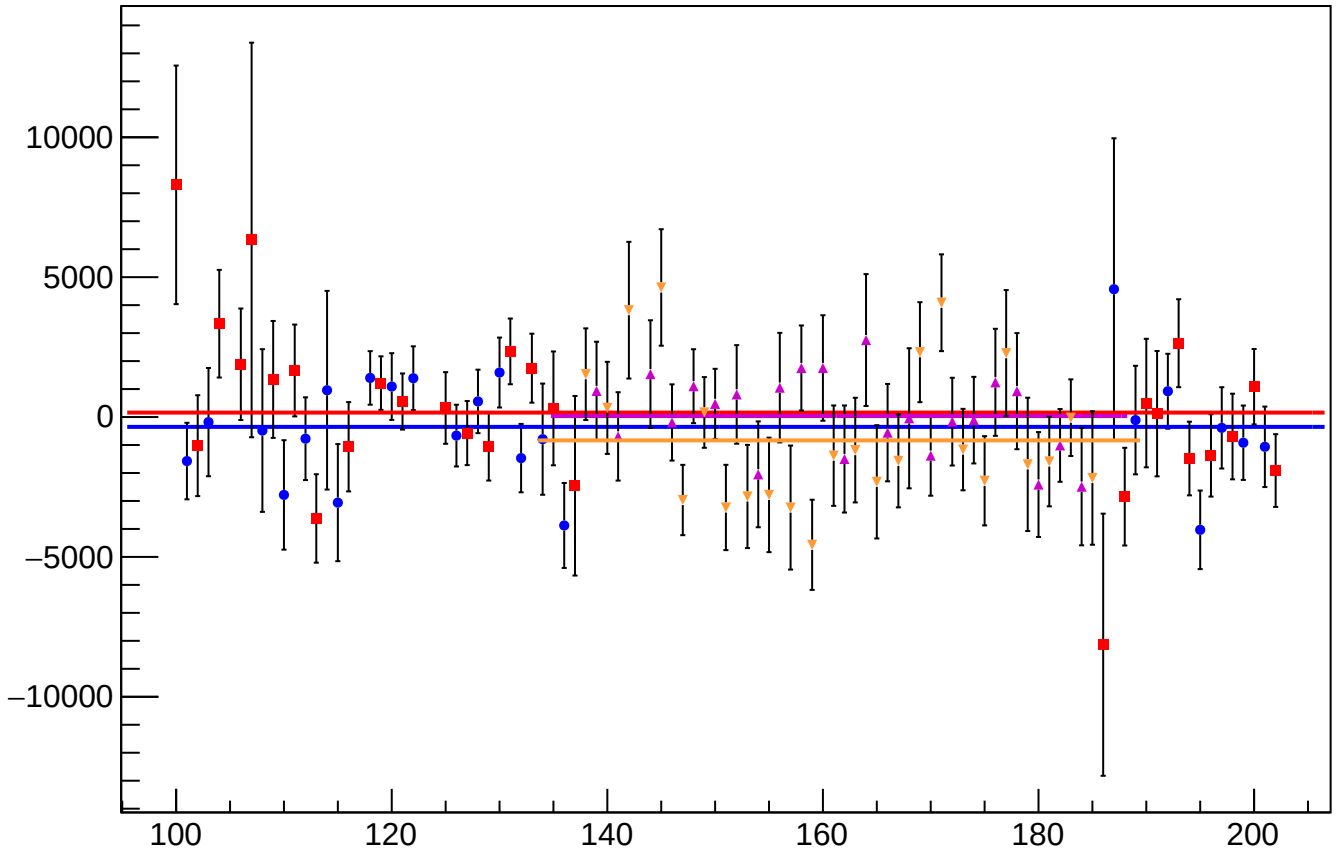
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1106.016+/-0.151 χ^2/NDF: 30546.8/50

In: 1105.316+/-0.141 χ^2/NDF:18204.2/45

Out: 1108.480+/-0.136 χ^2/NDF:20138.7/51

All: 1106.951+/-0.098 χ^2/NDF: 38602.9/97



Right In: -351.860+/-301.646 χ^2/NDF: 29.8/22

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

Right Out: 159.062+/-289.664 χ^2/NDF: 38.9/27

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

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

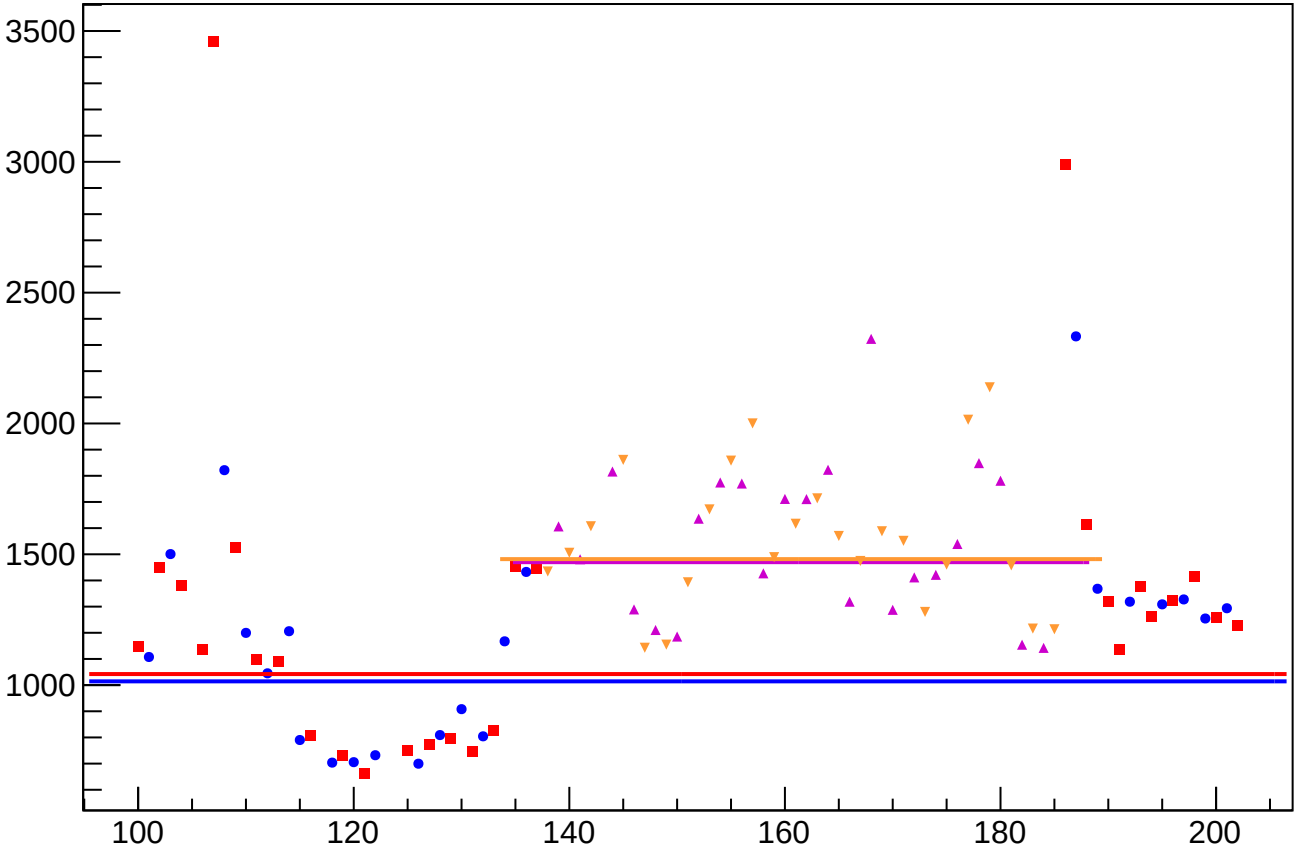
Right: -86.050+/-208.931 χ^2/NDF: 70.2/50

In: -186.562+/-228.393 χ^2/NDF:43.7/45

Out: -244.306+/-223.312 χ^2/NDF:87.3/51

All: -216.084+/-159.672 χ^2/NDF: 131.0/97

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 1014.369+/-0.213 χ^2/NDF: 1880532.8/22

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 1042.271+/-0.205 χ^2/NDF: 2675116.4/27

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

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

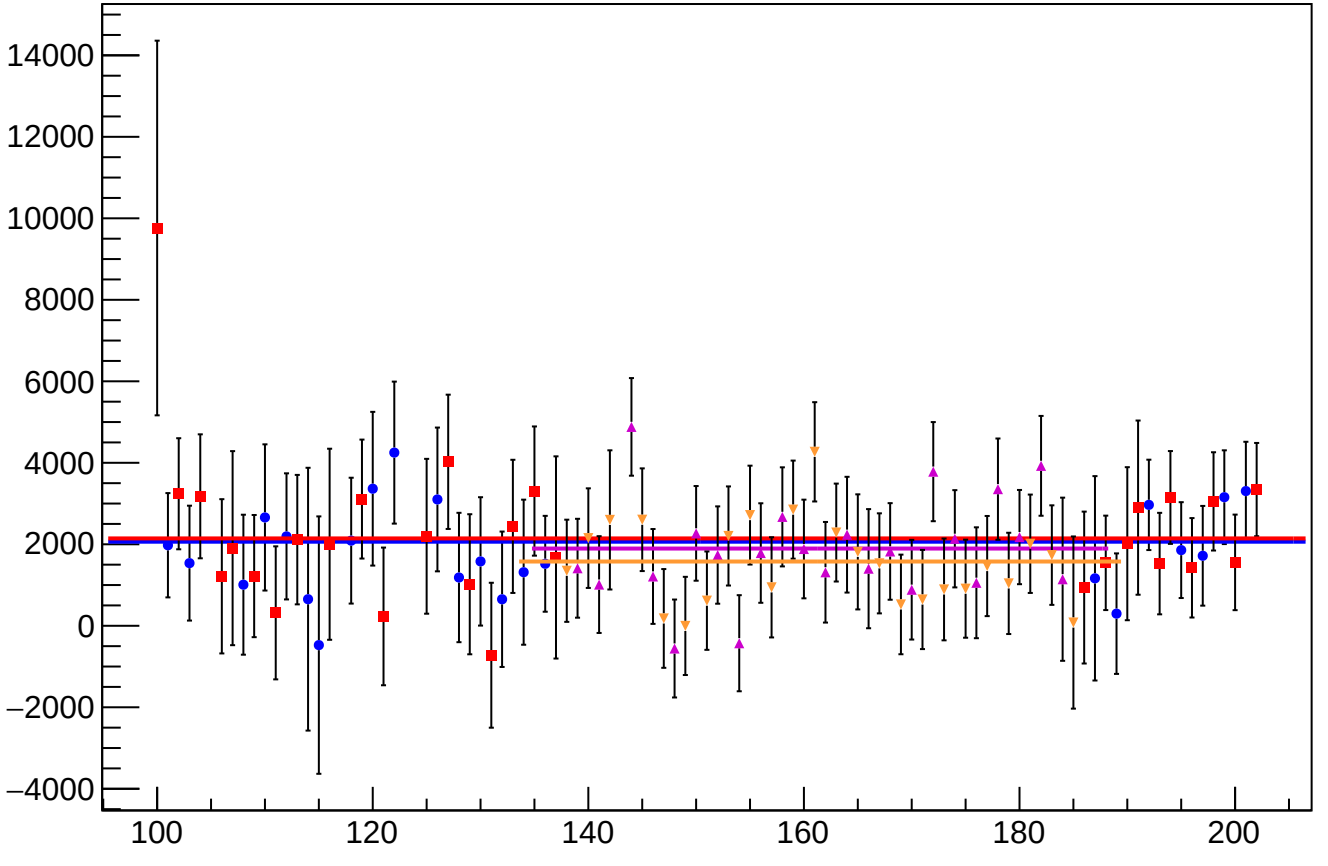
Right: 1028.885+/-0.148 χ^2/NDF: 4564552.0/50

In: 1208.752+/-0.161 χ^2/NDF:4921937.8/45

Out: 1220.466+/-0.158 χ^2/NDF:5558411.1/51

All: 1214.741+/-0.113 χ^2/NDF: 10483038.5/9

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2063.696+/-313.290 χ^2/NDF: 9.7/22

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

Right Out: 2144.161+/-292.012 χ^2/NDF: 16.5/27

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

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

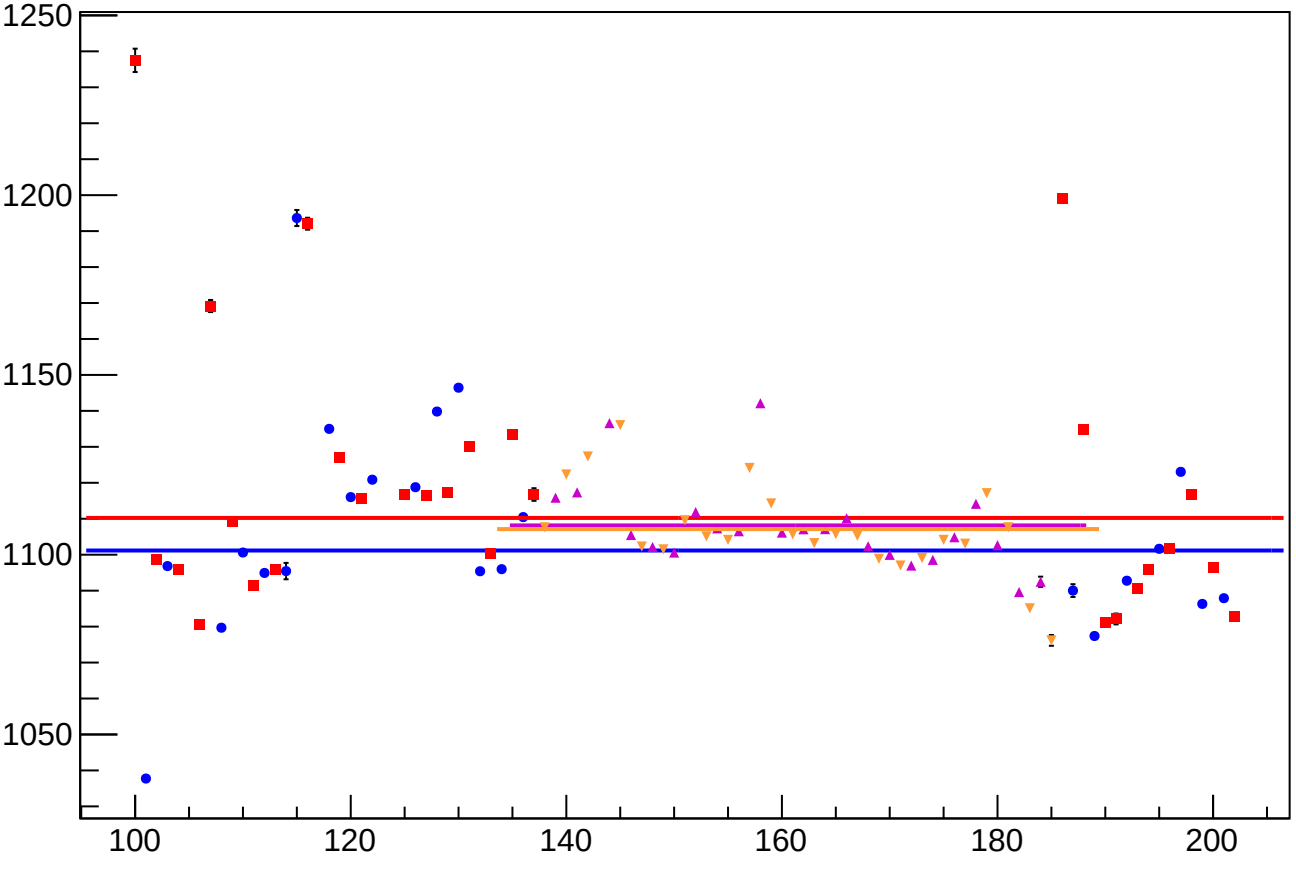
Right: 2106.754+/-213.610 χ^2/NDF: 26.2/50

In: 1963.735+/-199.504 χ^2/NDF:33.9/45

Out: 1824.785+/-192.925 χ^2/NDF:34.2/51

All: 1891.932+/-138.686 χ^2/NDF: 68.3/97

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.168+/-0.222 χ^2/NDF: 13424.0/22

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1110.228+/-0.206 χ^2/NDF: 16227.7/27

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

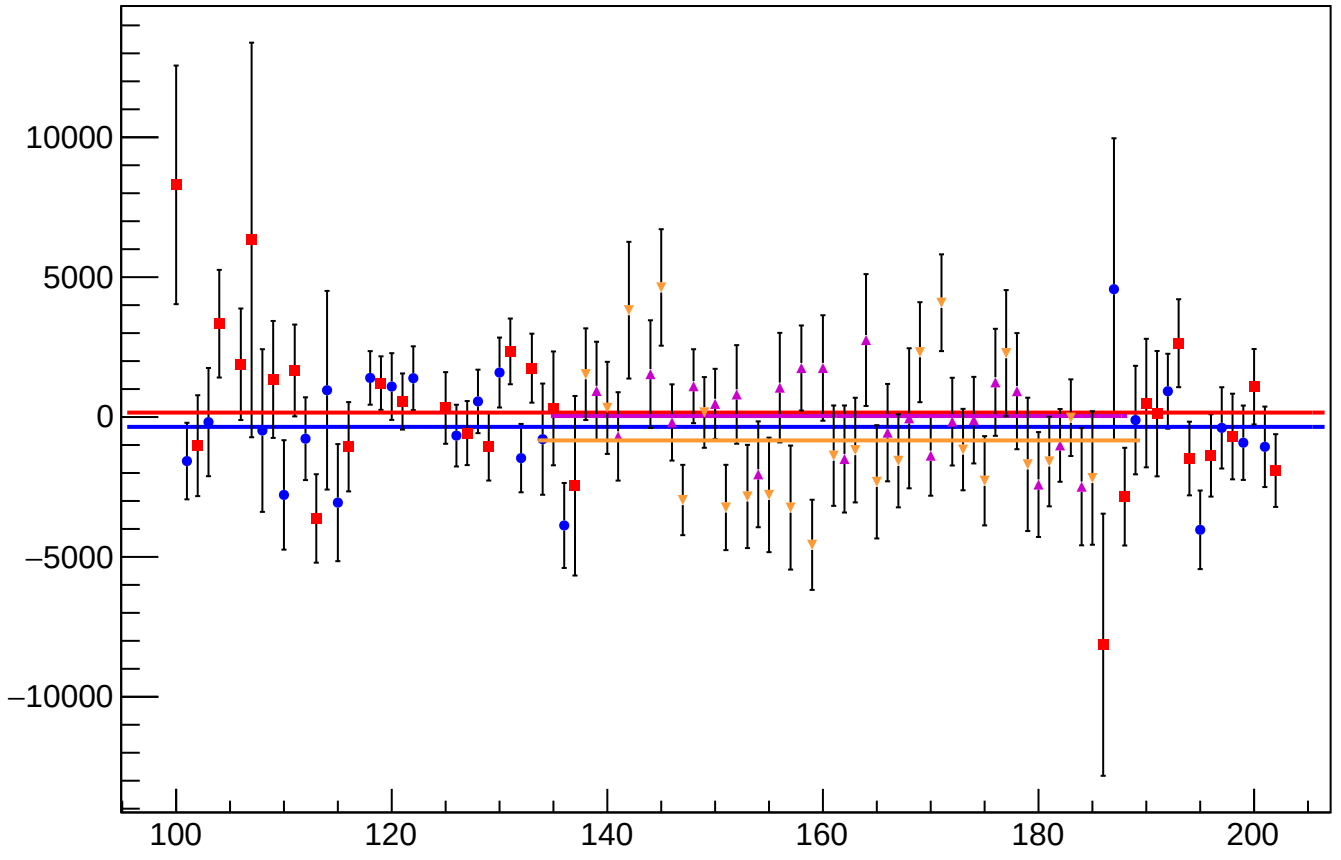
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1106.016+/-0.151 χ^2/NDF: 30546.8/50

In: 1105.316+/-0.141 χ^2/NDF:18204.2/45

Out: 1108.480+/-0.136 χ^2/NDF:20138.6/51

All: 1106.951+/-0.098 χ^2/NDF: 38602.9/97



Right In: -351.858+/-301.645 χ^2/NDF: 29.8/22

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

Right Out: 159.063+/-289.664 χ^2/NDF: 38.9/27

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

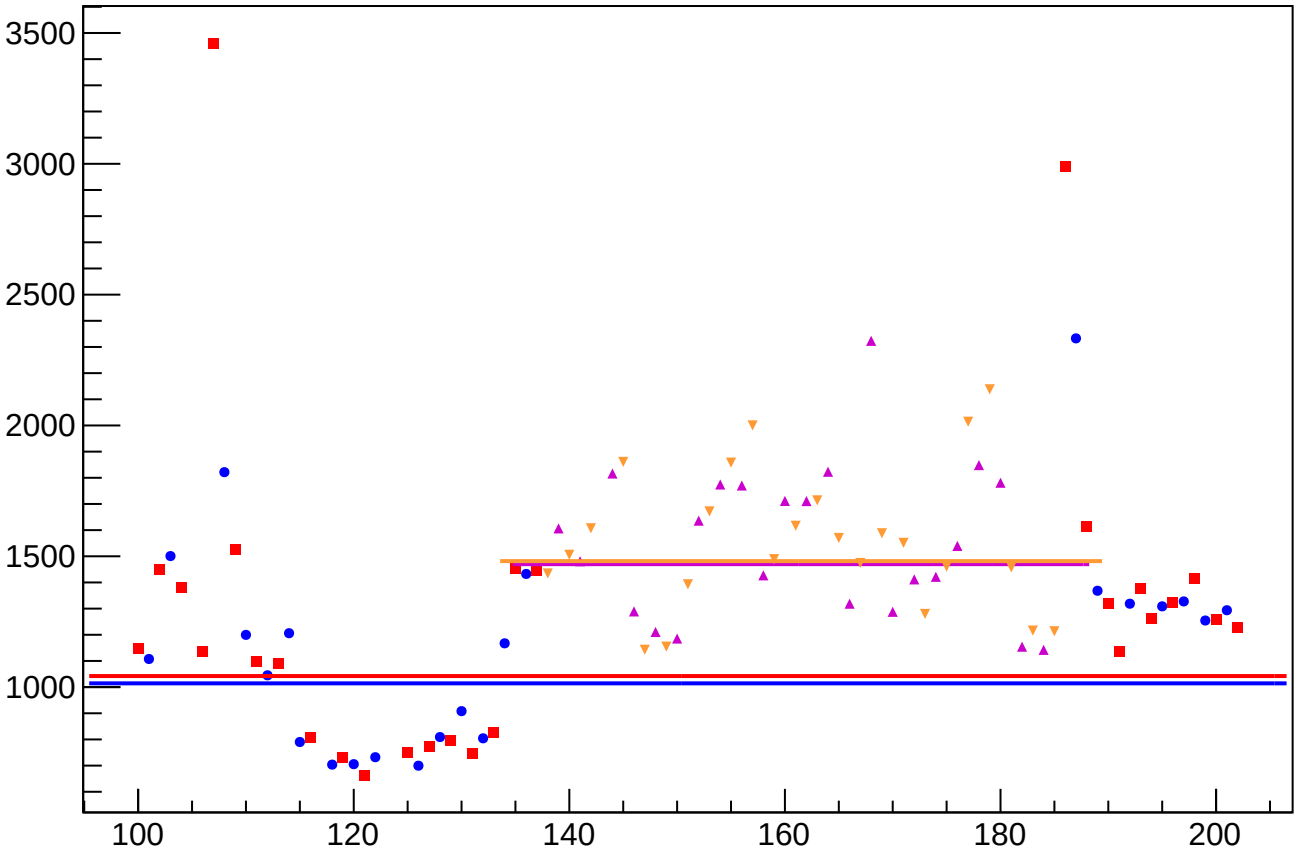
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: -86.049+/-208.931 χ^2/NDF: 70.2/50

In: -186.561+/-228.393 χ^2/NDF:43.7/45

Out: -244.306+/-223.312 χ^2/NDF:87.3/51

All: -216.083+/-159.672 χ^2/NDF: 131.0/97



Right In: 1014.367+/-0.213 χ^2/NDF: 1880545.2/22

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 1042.269+/-0.205 χ^2/NDF: 2675130.8/27

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

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

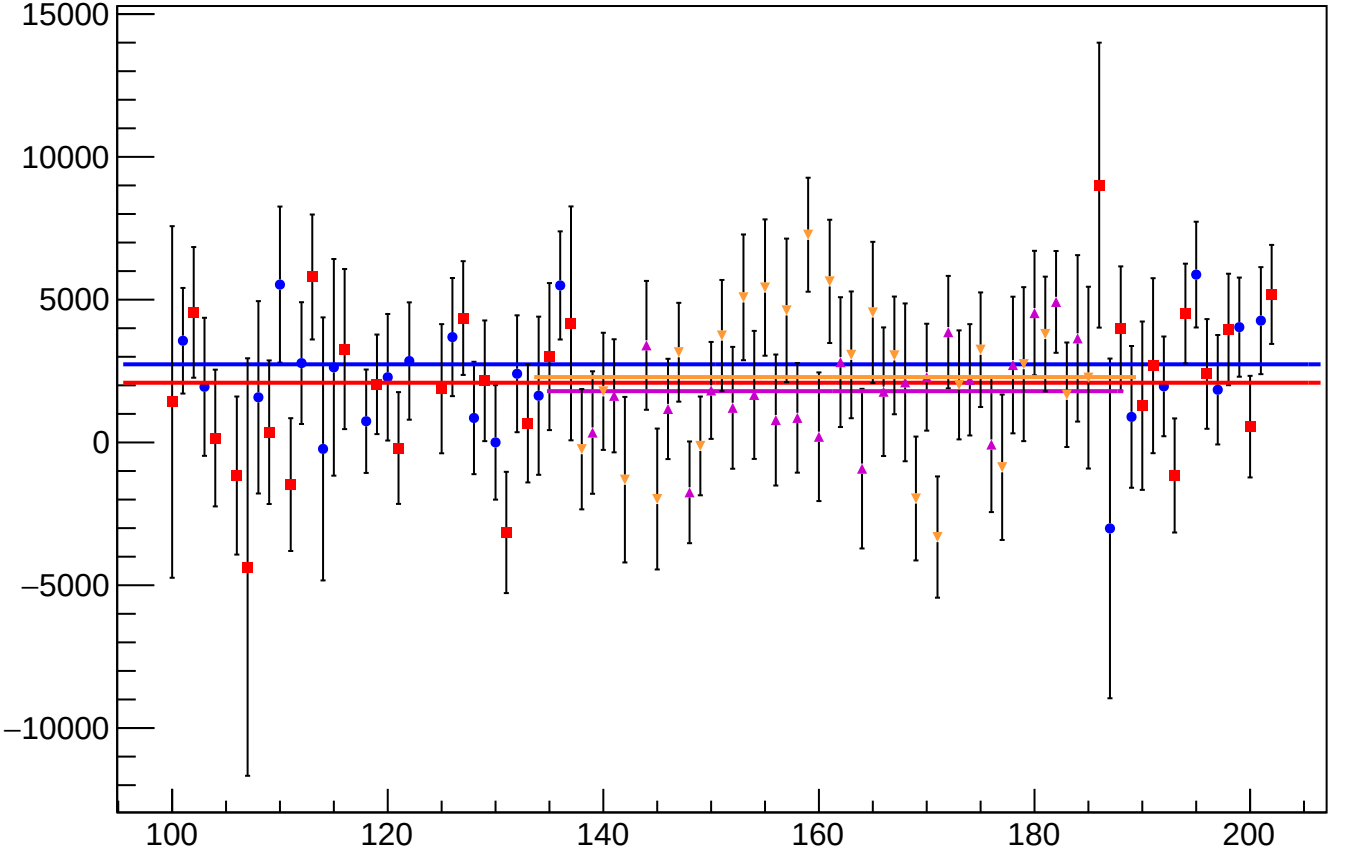
Right: 1028.883+/-0.148 χ^2/NDF: 4564578.6/50

In: 1208.751+/-0.161 χ^2/NDF:4921974.5/45

Out: 1220.465+/-0.158 χ^2/NDF:5558450.8/51

All: 1214.740+/-0.113 χ^2/NDF: 10483115.0/9

asym_usl_mean vs Slug, Sign Corrected



Right In: 2736.095+/-453.761 χ^2/NDF: 14.4/22

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 2091.337+/-431.071 χ^2/NDF: 31.7/27

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

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

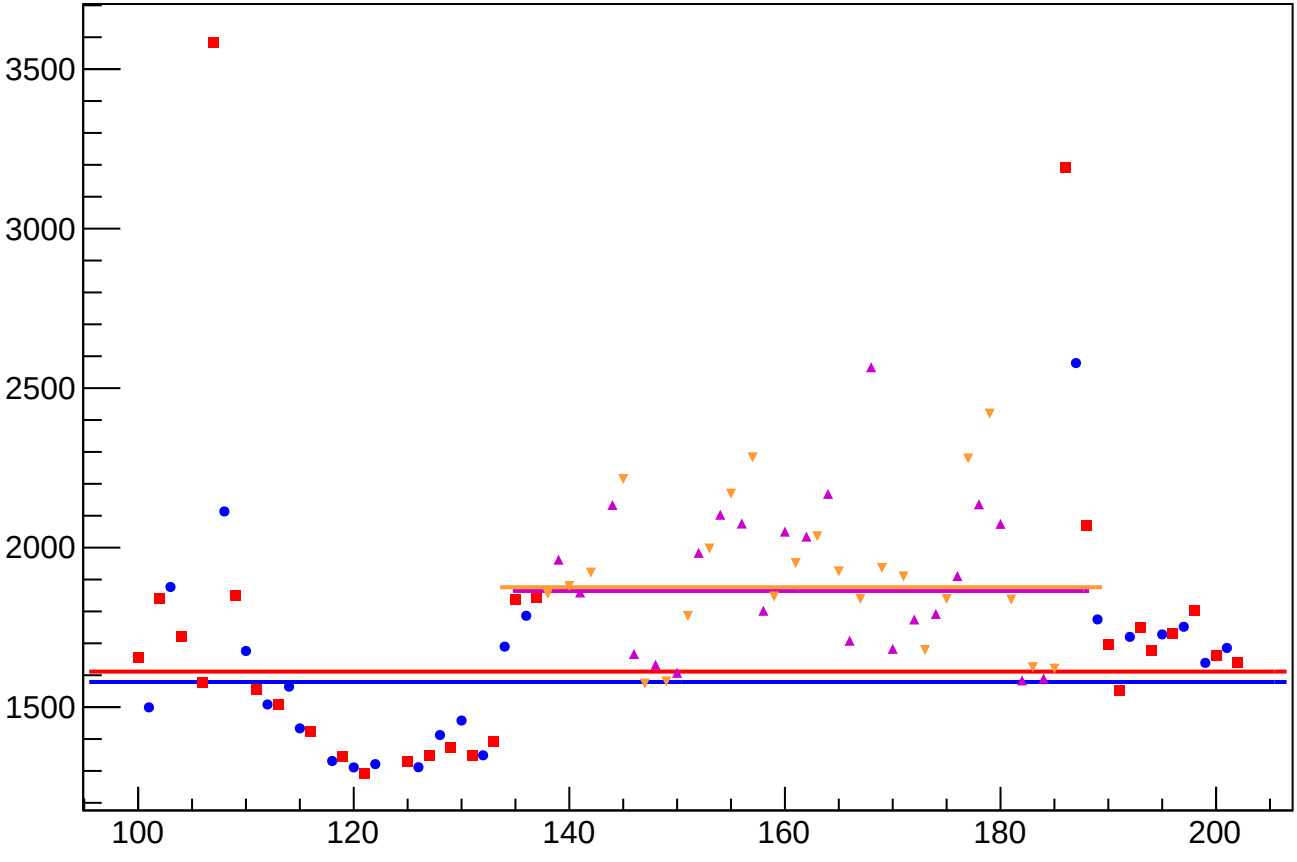
Right: 2397.193+/-312.527 χ^2/NDF: 47.2/50

In: 2250.820+/-315.562 χ^2/NDF:30.9/45

Out: 2188.637+/-307.691 χ^2/NDF:67.8/51

All: 2218.943+/-220.301 χ^2/NDF: 98.7/97

asym_usl_rms vs Slug, Sign Corrected



Right In: 1578.768+/-0.321 χ^2/NDF: 417923.2/22

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1611.389+/-0.305 χ^2/NDF: 802886.5/27

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

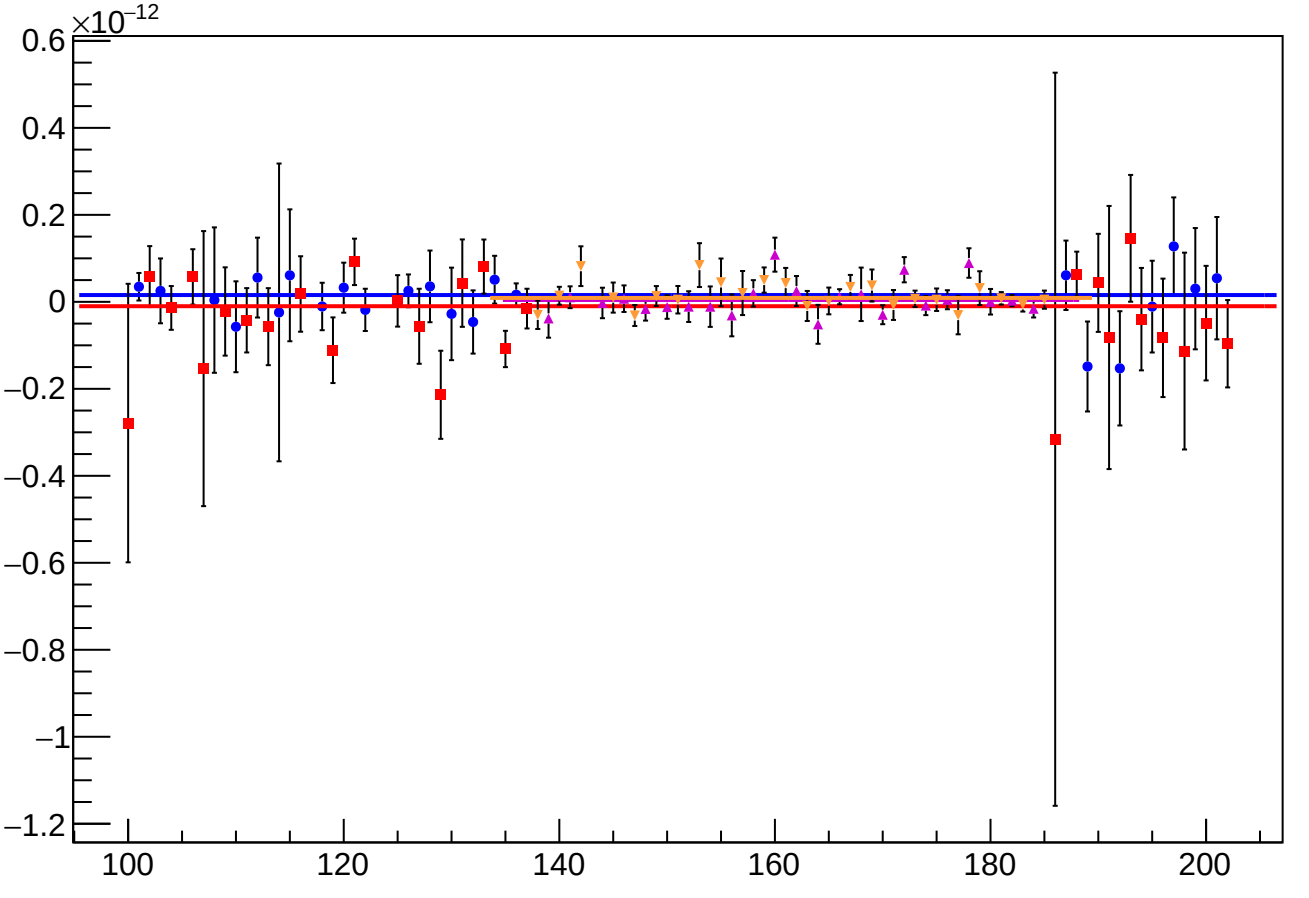
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1595.915+/-0.221 χ^2/NDF: 1226242.6/50

In: 1726.136+/-0.223 χ^2/NDF:1337052.9/45

Out: 1741.095+/-0.218 χ^2/NDF:1644593.7/51

All: 1733.805+/-0.156 χ^2/NDF: 2983950.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 9.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/27

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

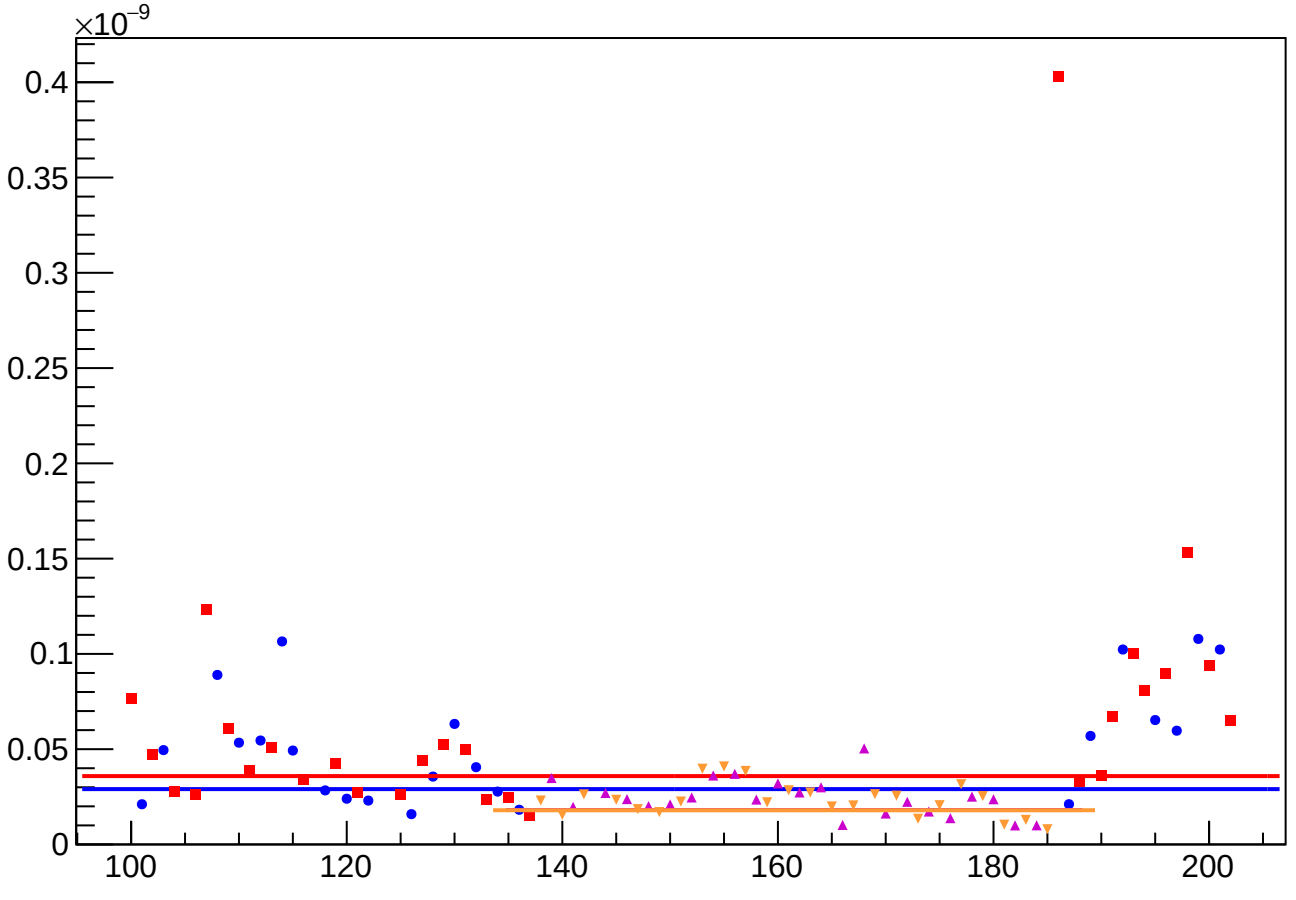
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 37.2/50

In: 0.000+/-0.000 χ^2/NDF:37.8/45

Out: 0.000+/-0.000 χ^2/NDF:44.4/51

All: 0.000+/-0.000 χ^2/NDF: 82.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 4193663.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3879508.9/27

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

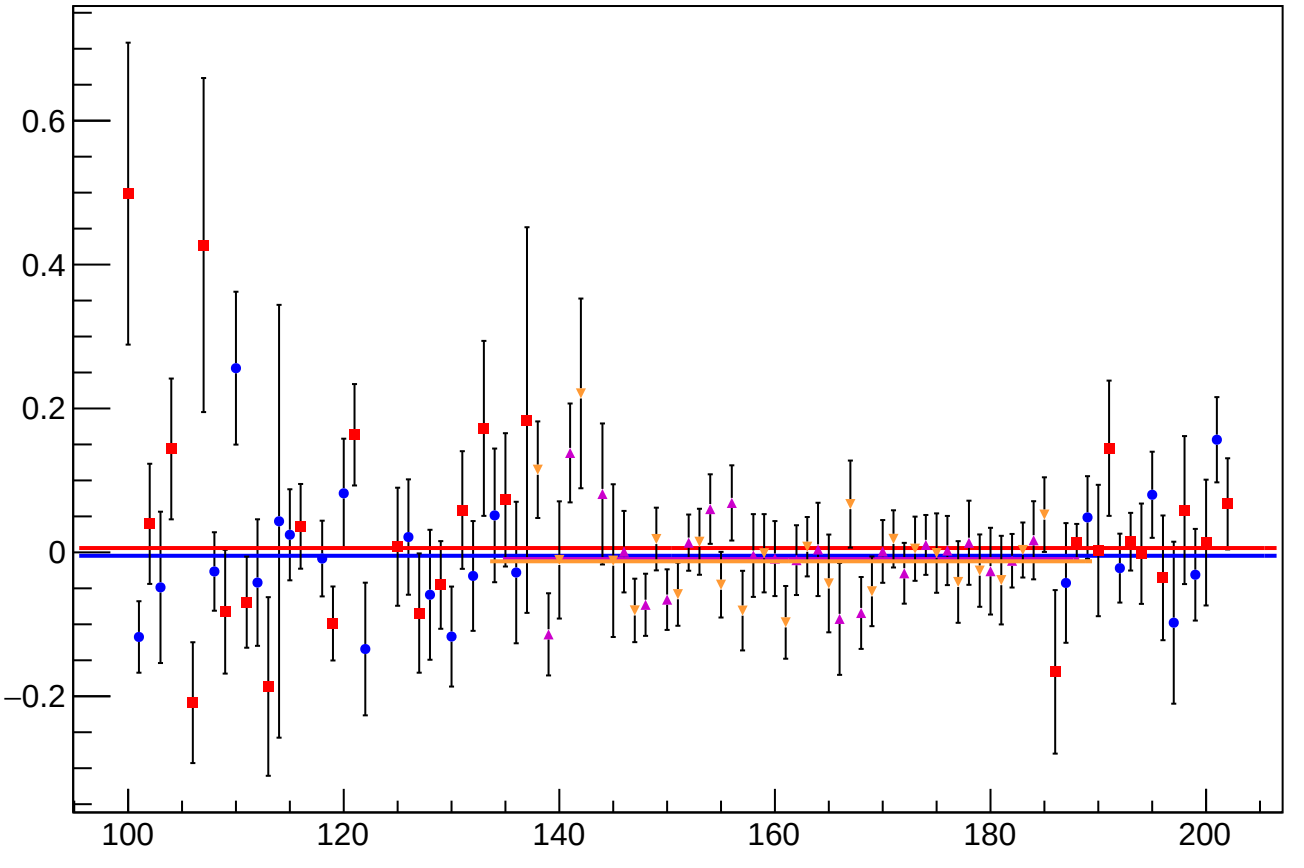
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8319668.6/50

In: 0.000+/-0.000 χ^2/NDF:9606823.5/45

Out: 0.000+/-0.000 χ^2/NDF:10007231.3/51

All: 0.000+/-0.000 χ^2/NDF: 19619904.8/97



Right In: -0.005+/-0.015 χ^2/NDF: 30.3/22

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.006+/-0.013 χ^2/NDF: 43.0/27

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

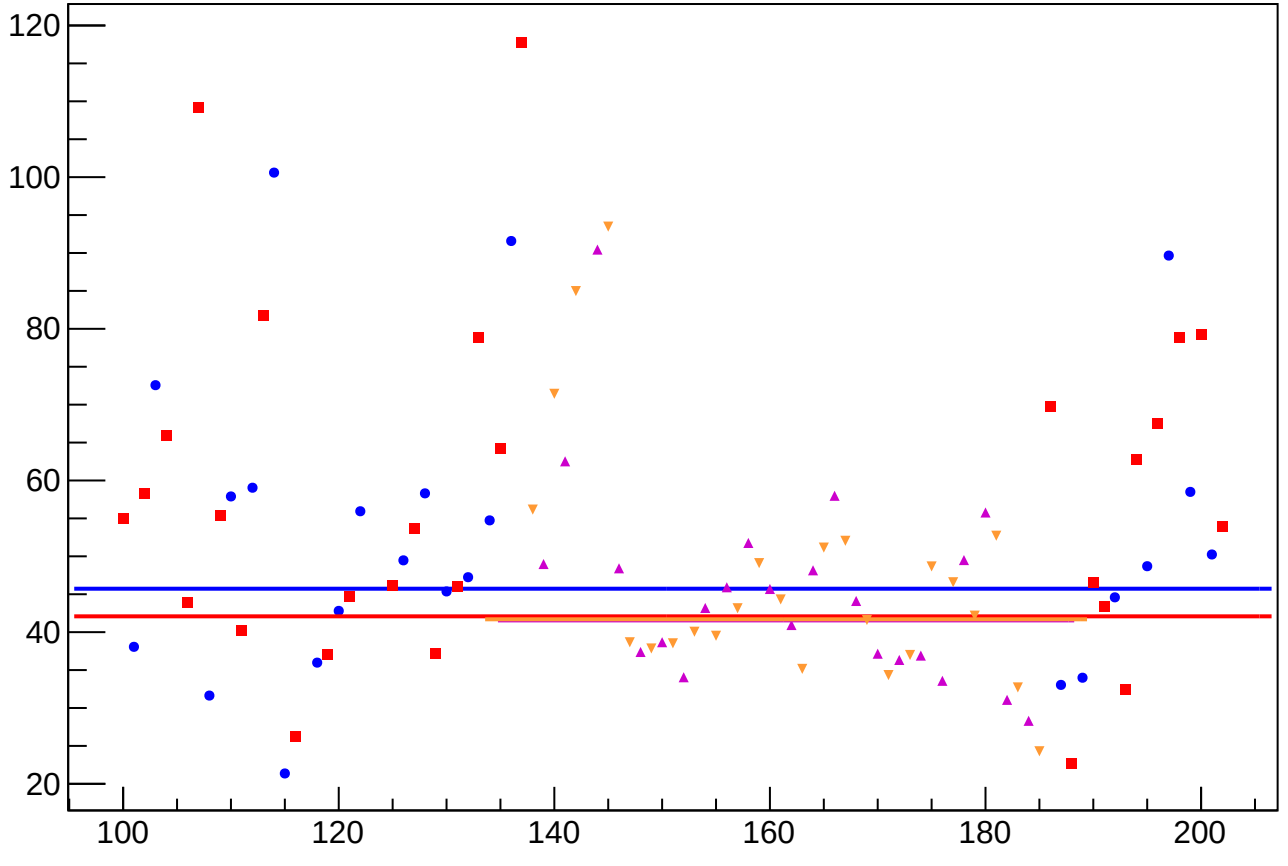
Right: 0.001+/-0.010 χ^2/NDF: 73.6/50

In: -0.008+/-0.009 χ^2/NDF:52.3/45

Out: -0.005+/-0.008 χ^2/NDF:66.1/51

All: -0.006+/-0.006 χ^2/NDF: 118.5/97

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.729+/-0.010 χ^2/NDF: 1873163.8/22

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.086+/-0.009 χ^2/NDF: 3666358.3/27

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

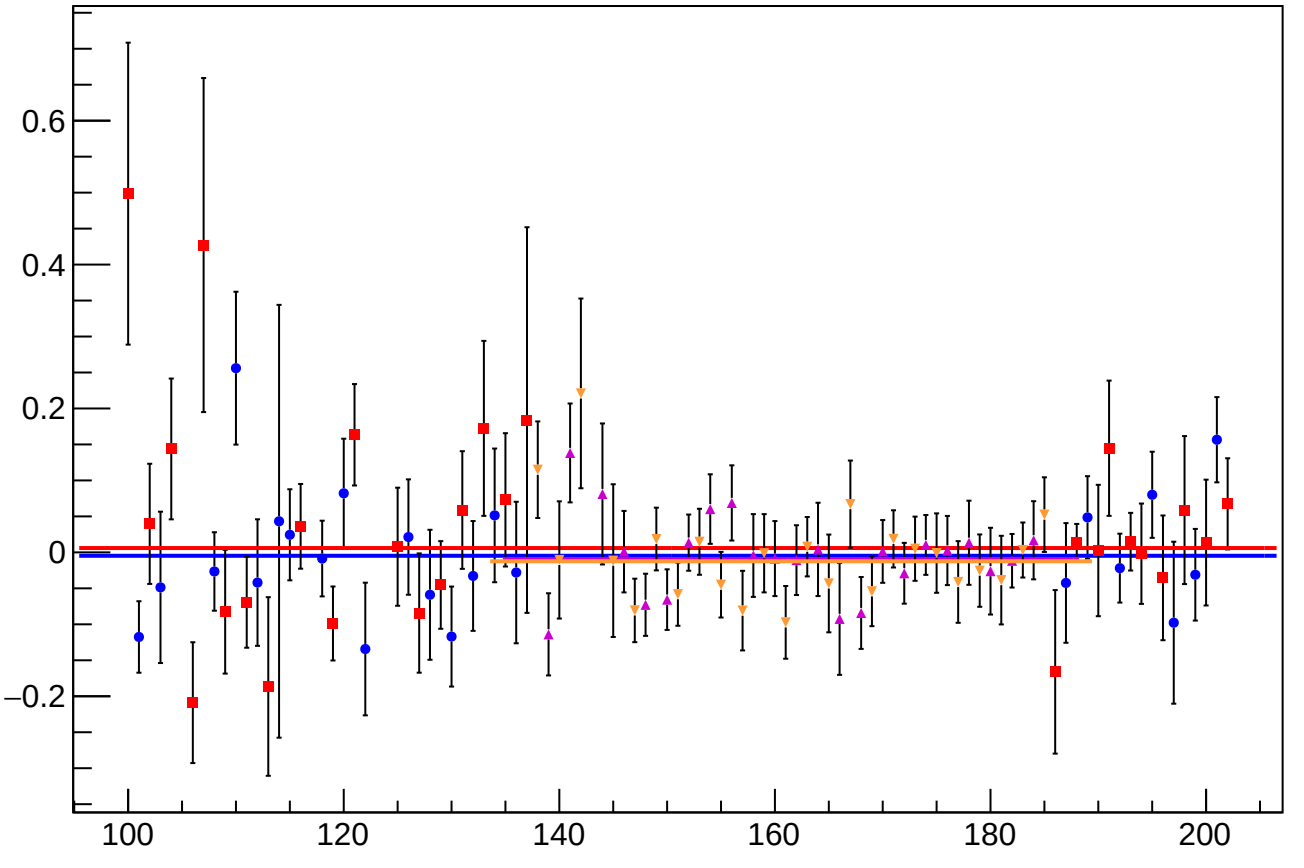
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 43.692+/-0.007 χ^2/NDF: 5607967.0/50

In: 42.955+/-0.006 χ^2/NDF:3593054.3/45

Out: 41.848+/-0.006 χ^2/NDF:5489239.3/51

All: 42.378+/-0.004 χ^2/NDF: 9099833.6/97



Right In: -0.005+/-0.015 χ^2/NDF: 30.3/22

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.006+/-0.013 χ^2/NDF: 43.0/27

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

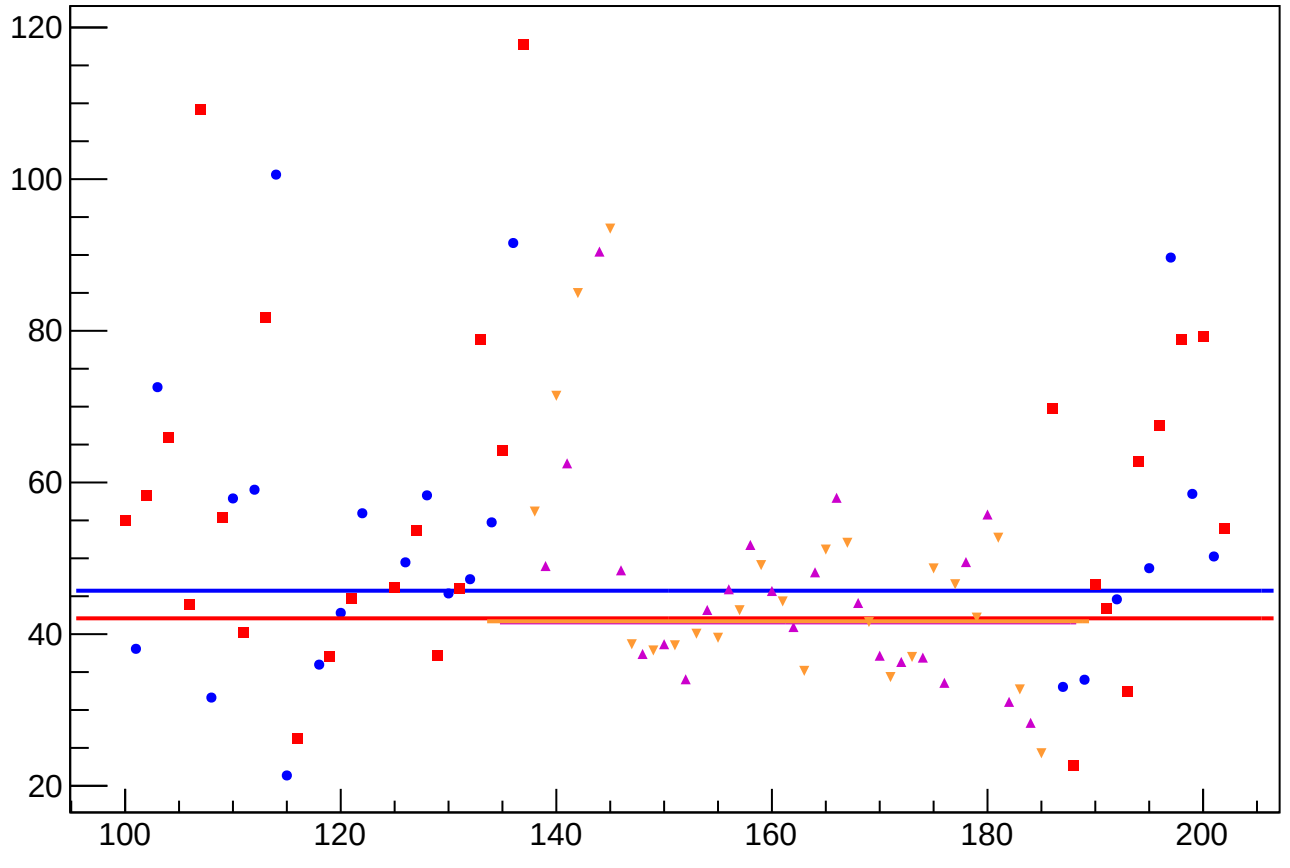
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.010 χ^2/NDF: 73.6/50

In: -0.008+/-0.009 χ^2/NDF:52.3/45

Out: -0.005+/-0.008 χ^2/NDF:66.1/51

All: -0.006+/-0.006 χ^2/NDF: 118.5/97



Right In: 45.729+/-0.010 χ^2/NDF: 1873163.8/22

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.086+/-0.009 χ^2/NDF: 3666358.3/27

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

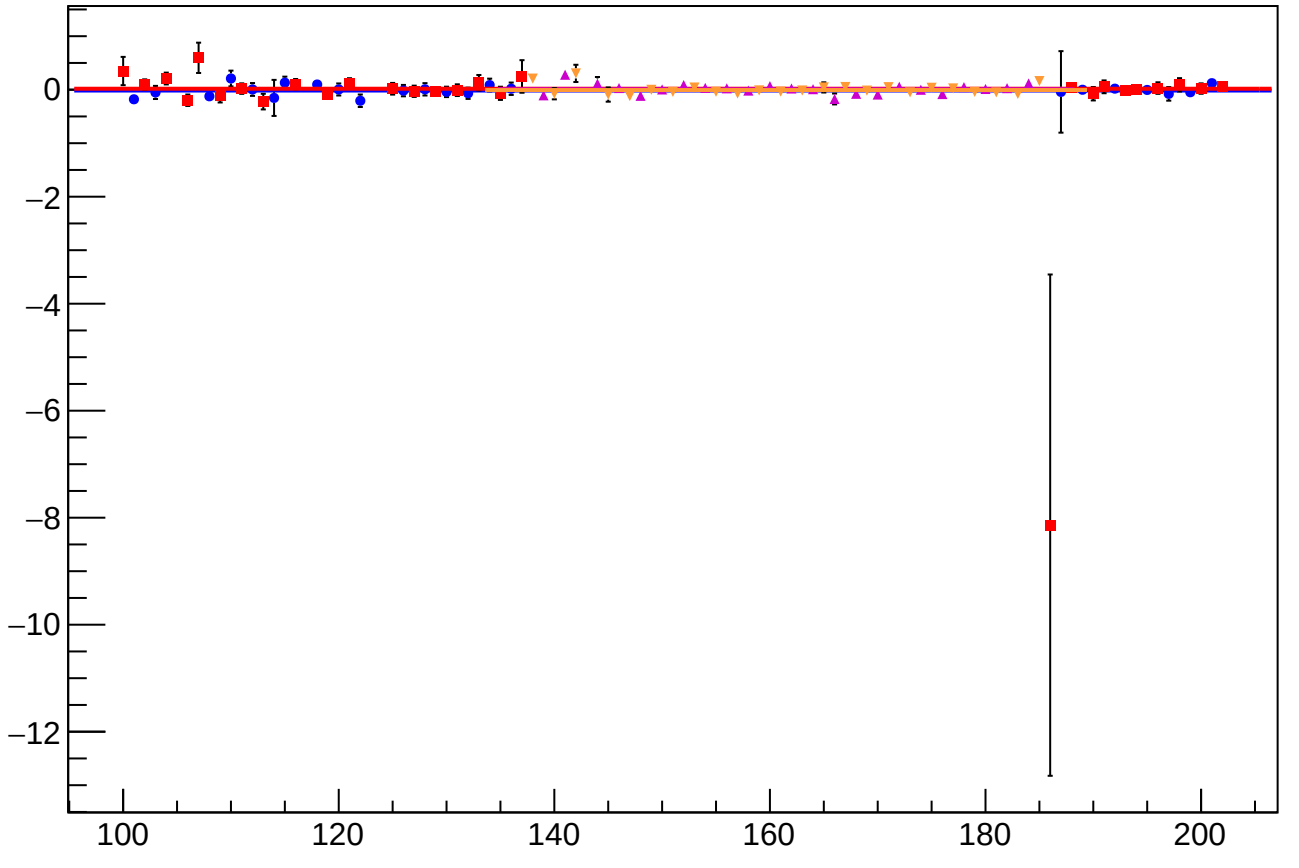
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 43.692+/-0.007 χ^2/NDF: 5607967.0/50

In: 42.955+/-0.006 χ^2/NDF:3593054.3/45

Out: 41.848+/-0.006 χ^2/NDF:5489239.3/51

All: 42.378+/-0.004 χ^2/NDF: 9099833.6/97



Right In: -0.015+/-0.020 χ^2/NDF: 22.2/22

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.018+/-0.019 χ^2/NDF: 27.6/27

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

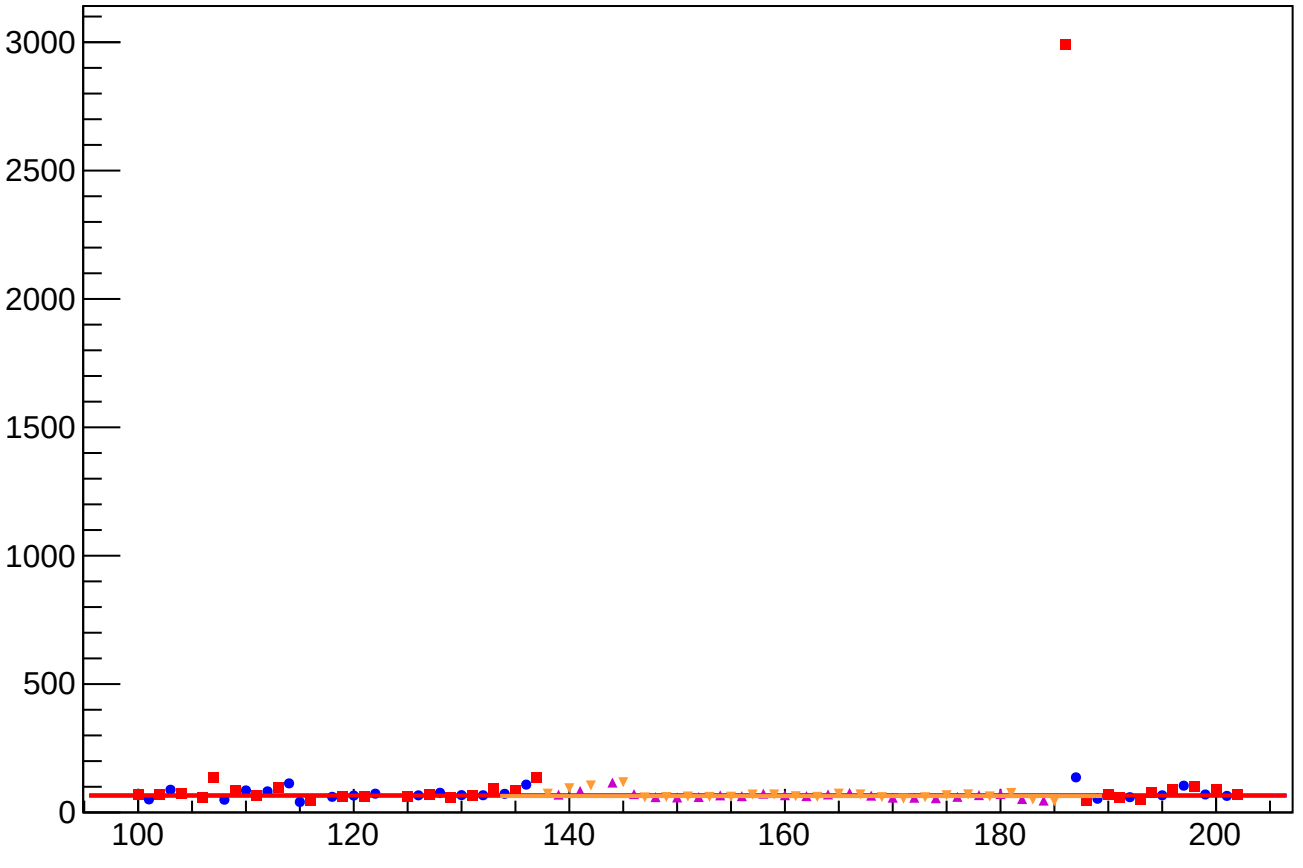
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: 0.002+/-0.014 χ^2/NDF: 51.2/50

In: -0.001+/-0.012 χ^2/NDF:51.2/45

Out: 0.003+/-0.012 χ^2/NDF:52.2/51

All: 0.001+/-0.009 χ^2/NDF: 103.5/97



Right In: 66.098+/-0.014 χ^2/NDF: 1040816.1/22

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 65.935+/-0.013 χ^2/NDF: 2277494.5/27

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

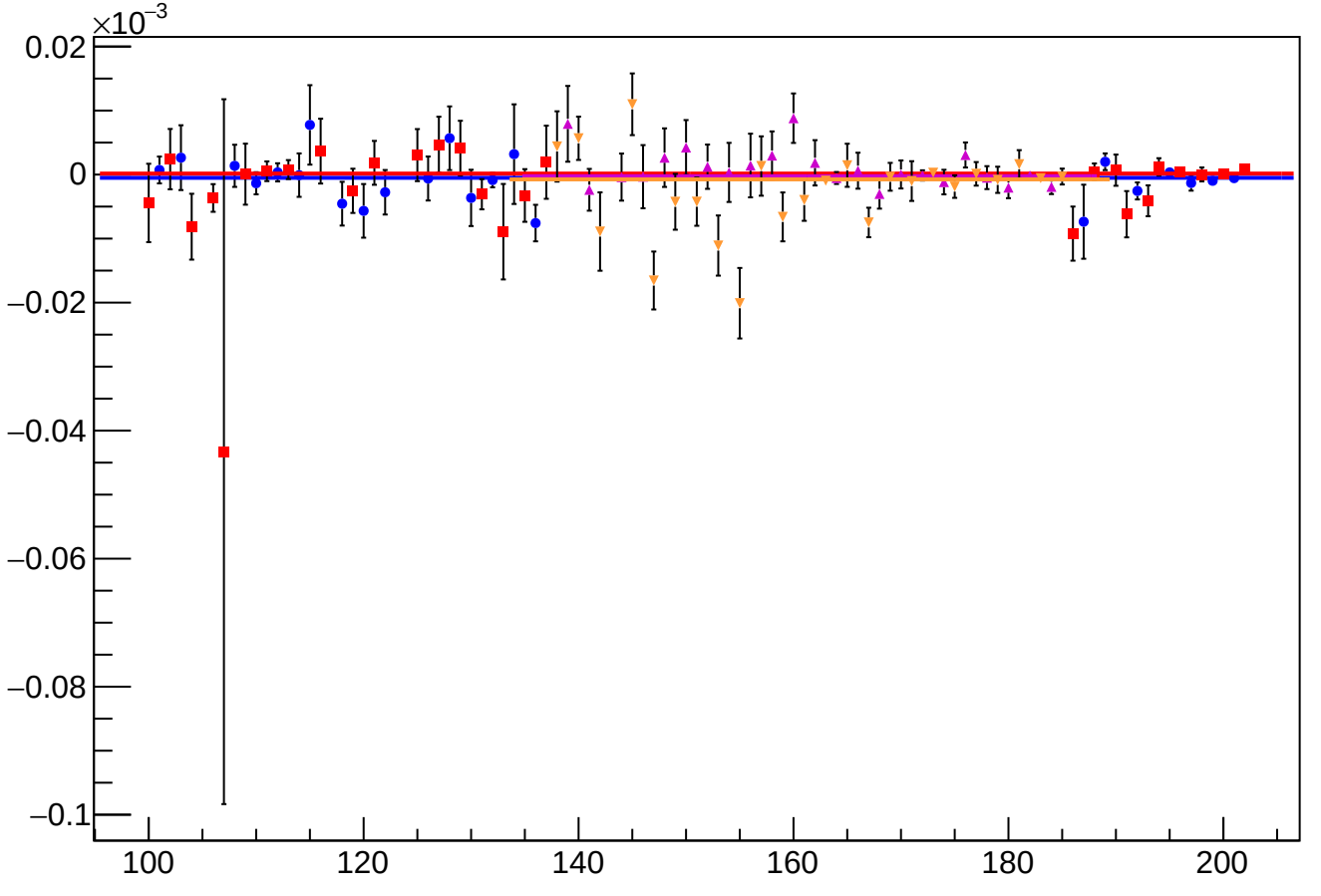
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 66.012+/-0.010 χ^2/NDF: 3318379.2/50

In: 64.794+/-0.009 χ^2/NDF:1892632.2/45

Out: 64.630+/-0.008 χ^2/NDF:3371787.8/51

All: 64.710+/-0.006 χ^2/NDF: 5264601.1/97



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/22

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

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/27

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

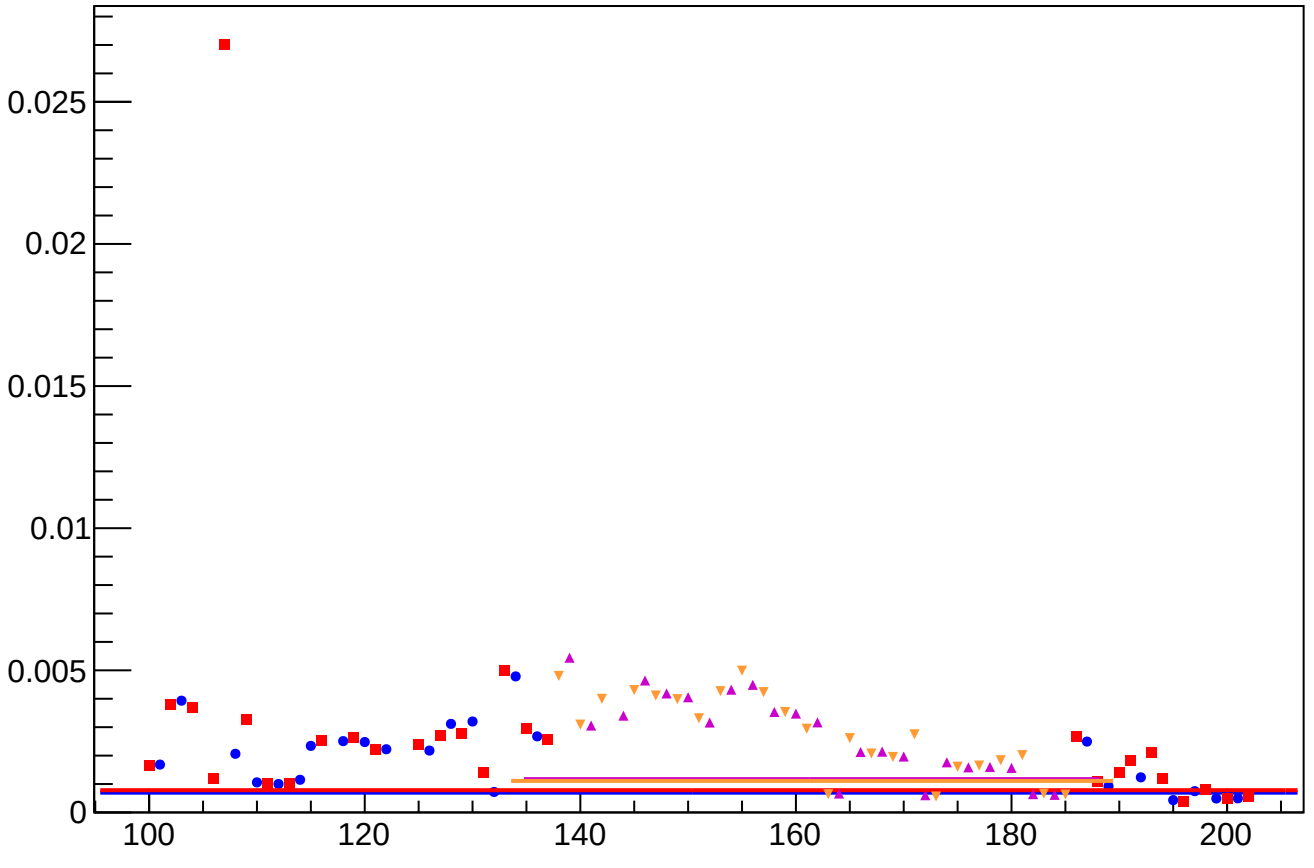
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 58.1/50

In: -0.000+/-0.000 χ^2/NDF:45.9/45

Out: -0.000+/-0.000 χ^2/NDF:92.5/51

All: -0.000+/-0.000 χ^2/NDF: 138.9/97



Right In: 0.001+/-0.000 χ^2/NDF: 7972310.6/22

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9773559.6/27

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

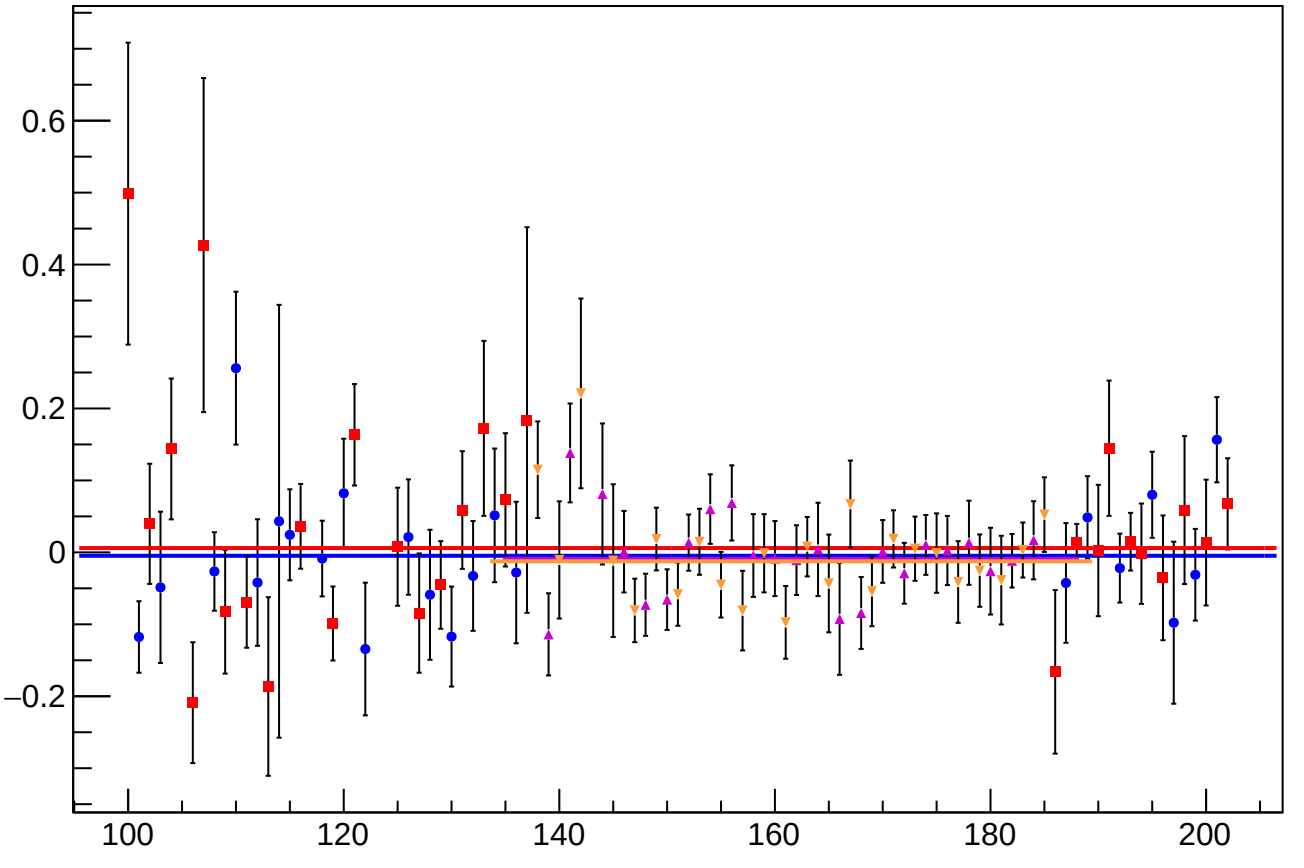
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 17852265.5/50

In: 0.001+/-0.000 χ^2/NDF:24562301.0/45

Out: 0.001+/-0.000 χ^2/NDF:26037429.5/51

All: 0.001+/-0.000 χ^2/NDF: 50668376.2/97



Right In: -0.005+/-0.015 χ^2/NDF: 30.3/22

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.006+/-0.013 χ^2/NDF: 43.0/27

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

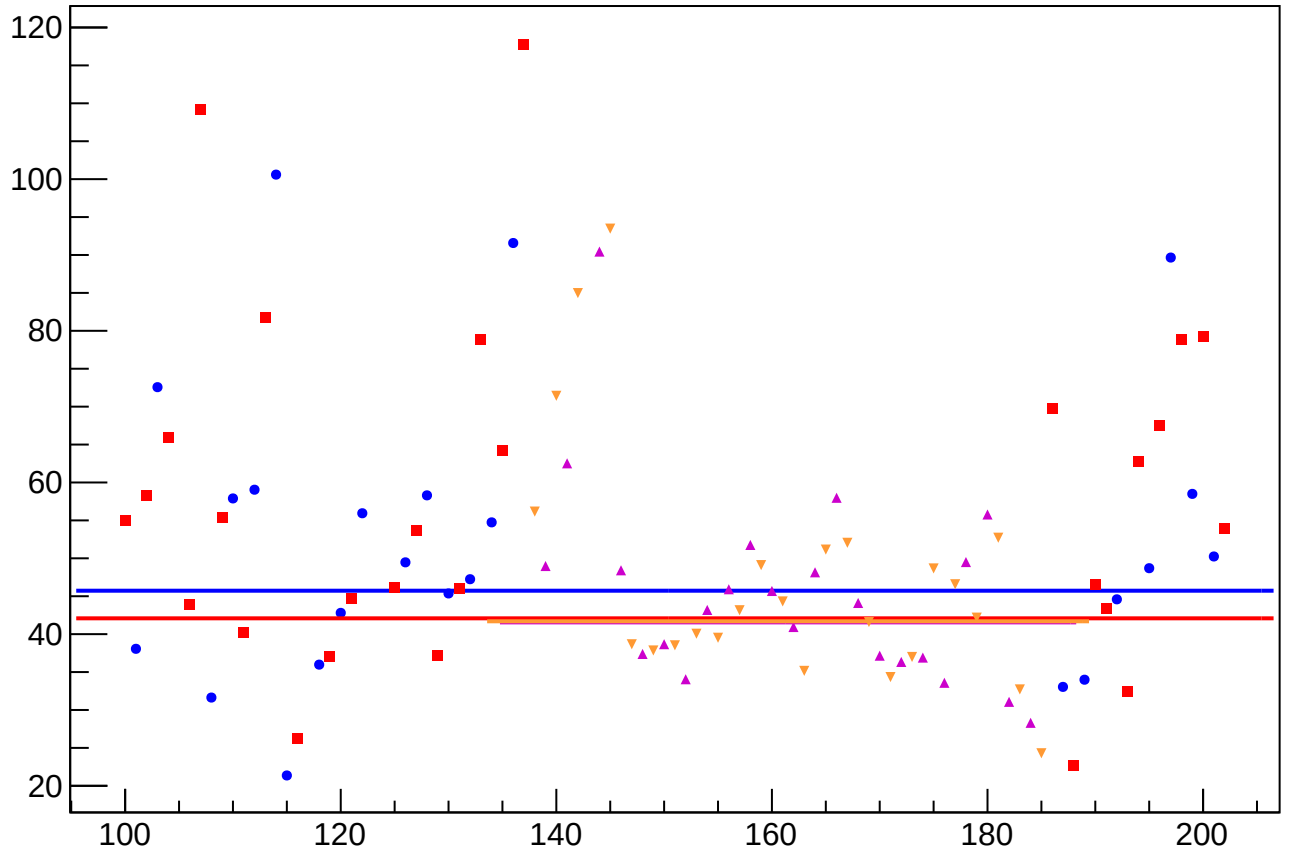
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.010 χ^2/NDF: 73.6/50

In: -0.008+/-0.009 χ^2/NDF:52.3/45

Out: -0.005+/-0.008 χ^2/NDF:66.1/51

All: -0.006+/-0.006 χ^2/NDF: 118.5/97



Right In: 45.728+/-0.010 χ^2/NDF: 1873245.0/22

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.086+/-0.009 χ^2/NDF: 3666169.2/27

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

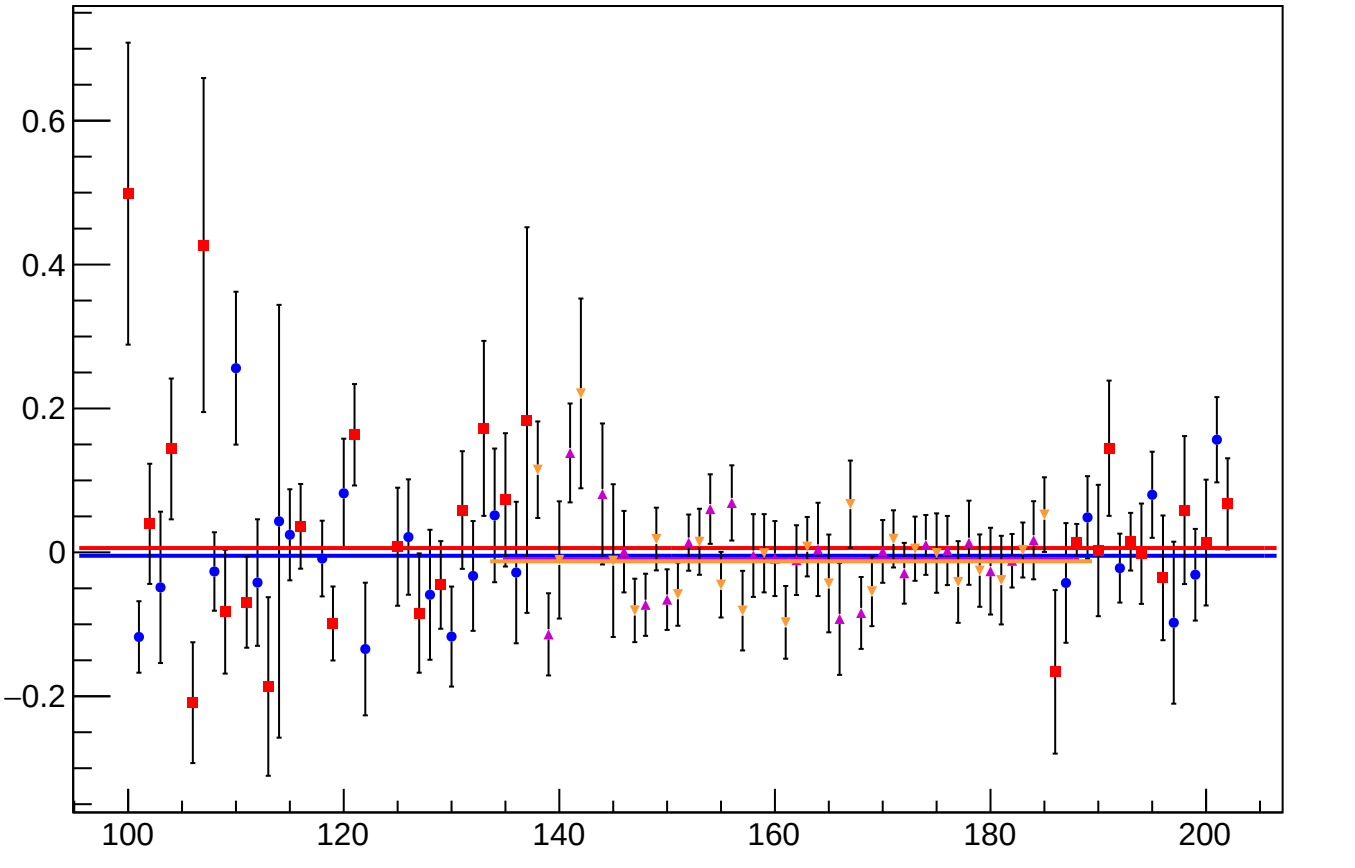
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 43.692+/-0.007 χ^2/NDF: 5607832.4/50

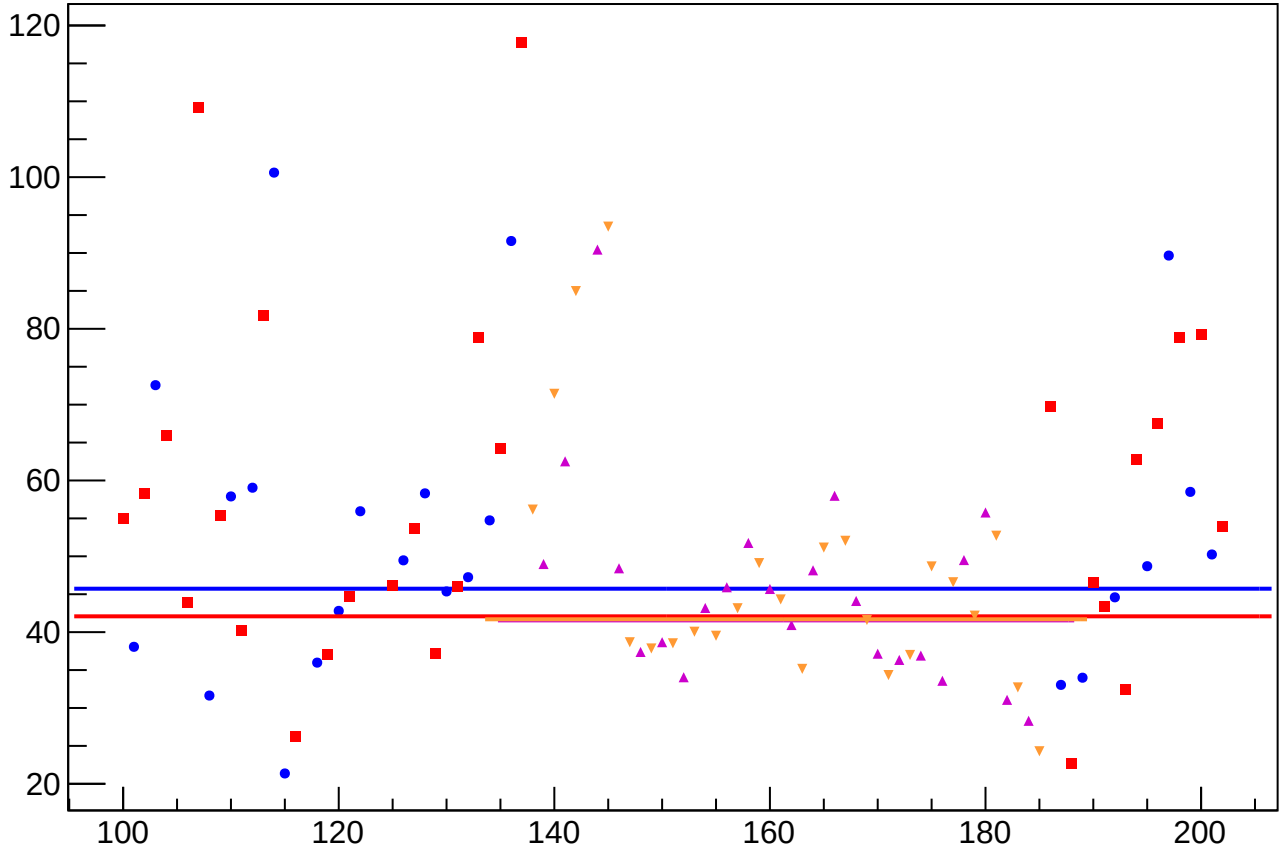
In: 42.955+/-0.006 χ^2/NDF:3593052.4/45

Out: 41.848+/-0.006 χ^2/NDF:5489013.7/51

All: 42.378+/-0.004 χ^2/NDF: 9099602.5/97


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: -0.005+/-0.015 χ²/NDF: 30.3/22
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: 0.006+/-0.013 χ²/NDF: 43.0/27
Left In: -0.009+/-0.010 χ²/NDF:21.9/22
Left: -0.011+/-0.007 χ²/NDF: 43.9/46
Right: 0.001+/-0.010 χ²/NDF: 73.6/50
In: -0.008+/-0.009 χ²/NDF:52.3/45
Out: -0.005+/-0.008 χ²/NDF:66.1/51
All: -0.006+/-0.006 χ²/NDF: 118.5/97

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.728+/-0.010 χ^2/NDF: 1873245.0/22

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.086+/-0.009 χ^2/NDF: 3666169.2/27

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

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

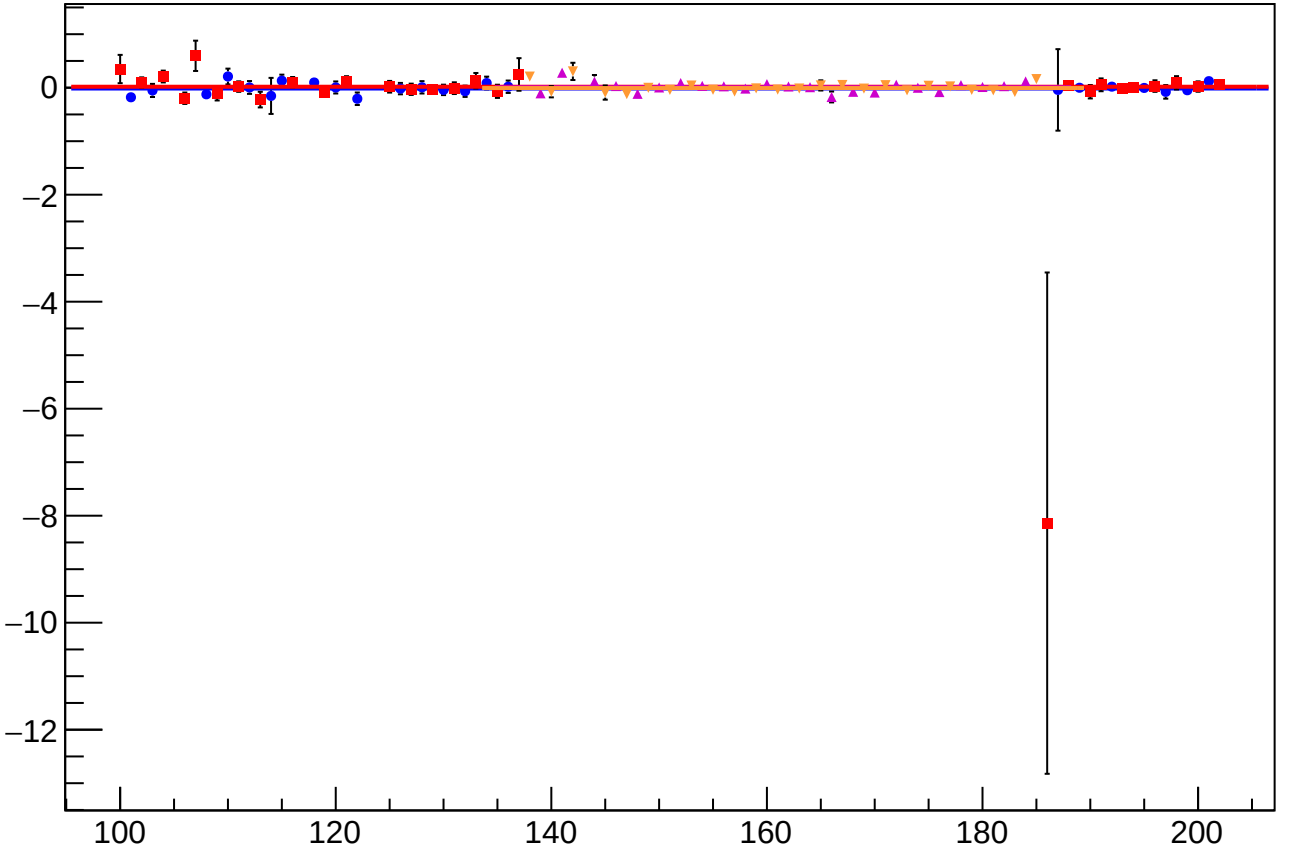
Right: 43.692+/-0.007 χ^2/NDF: 5607832.4/50

In: 42.955+/-0.006 χ^2/NDF:3593052.4/45

Out: 41.848+/-0.006 χ^2/NDF:5489013.7/51

All: 42.378+/-0.004 χ^2/NDF: 9099602.5/97

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.020 χ^2/NDF: 22.2/22

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.018+/-0.019 χ^2/NDF: 27.6/27

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

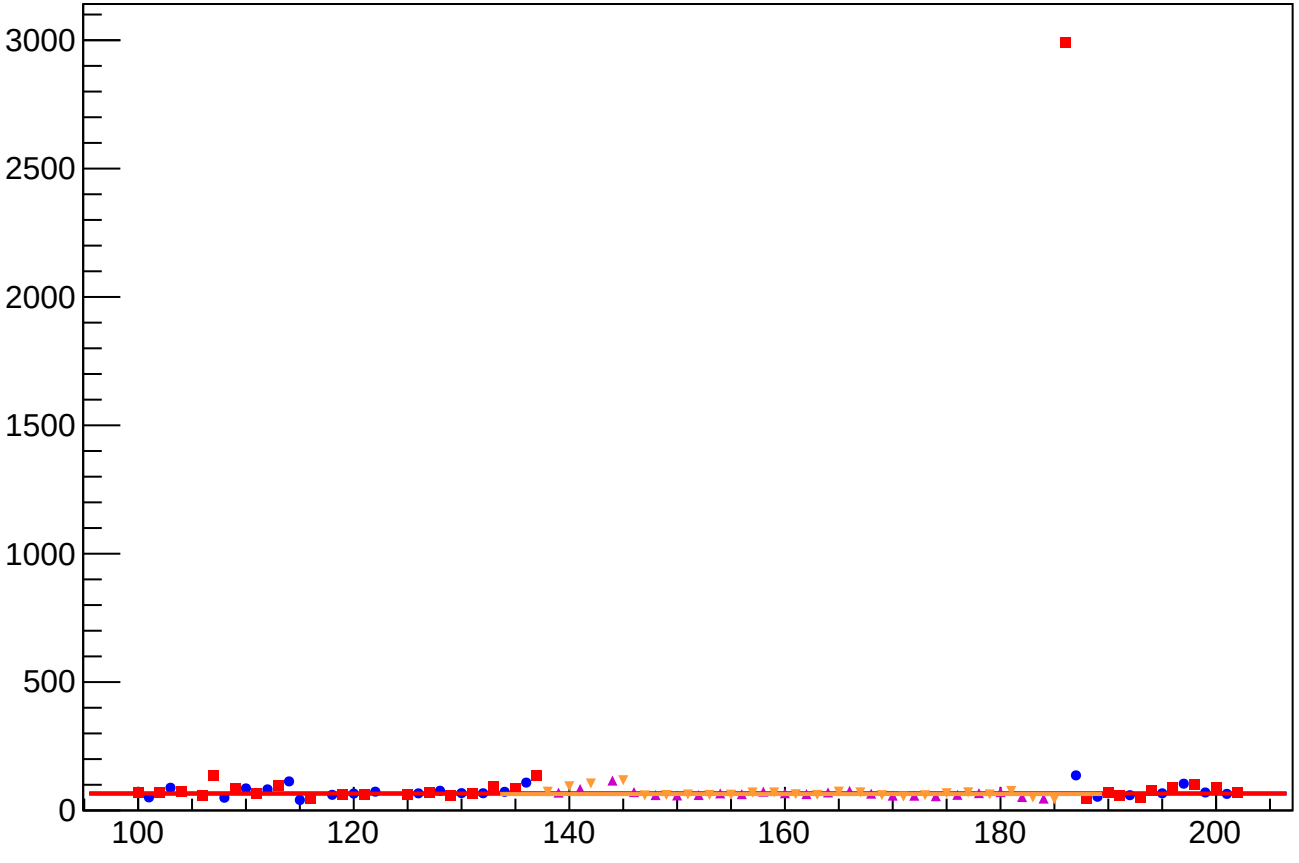
Right: 0.002+/-0.014 χ^2/NDF: 51.2/50

In: -0.001+/-0.012 χ^2/NDF:51.2/45

Out: 0.003+/-0.012 χ^2/NDF:52.2/51

All: 0.001+/-0.009 χ^2/NDF: 103.5/97

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.098+/-0.014 χ^2/NDF: 1040829.0/22

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 65.935+/-0.013 χ^2/NDF: 2277479.3/27

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

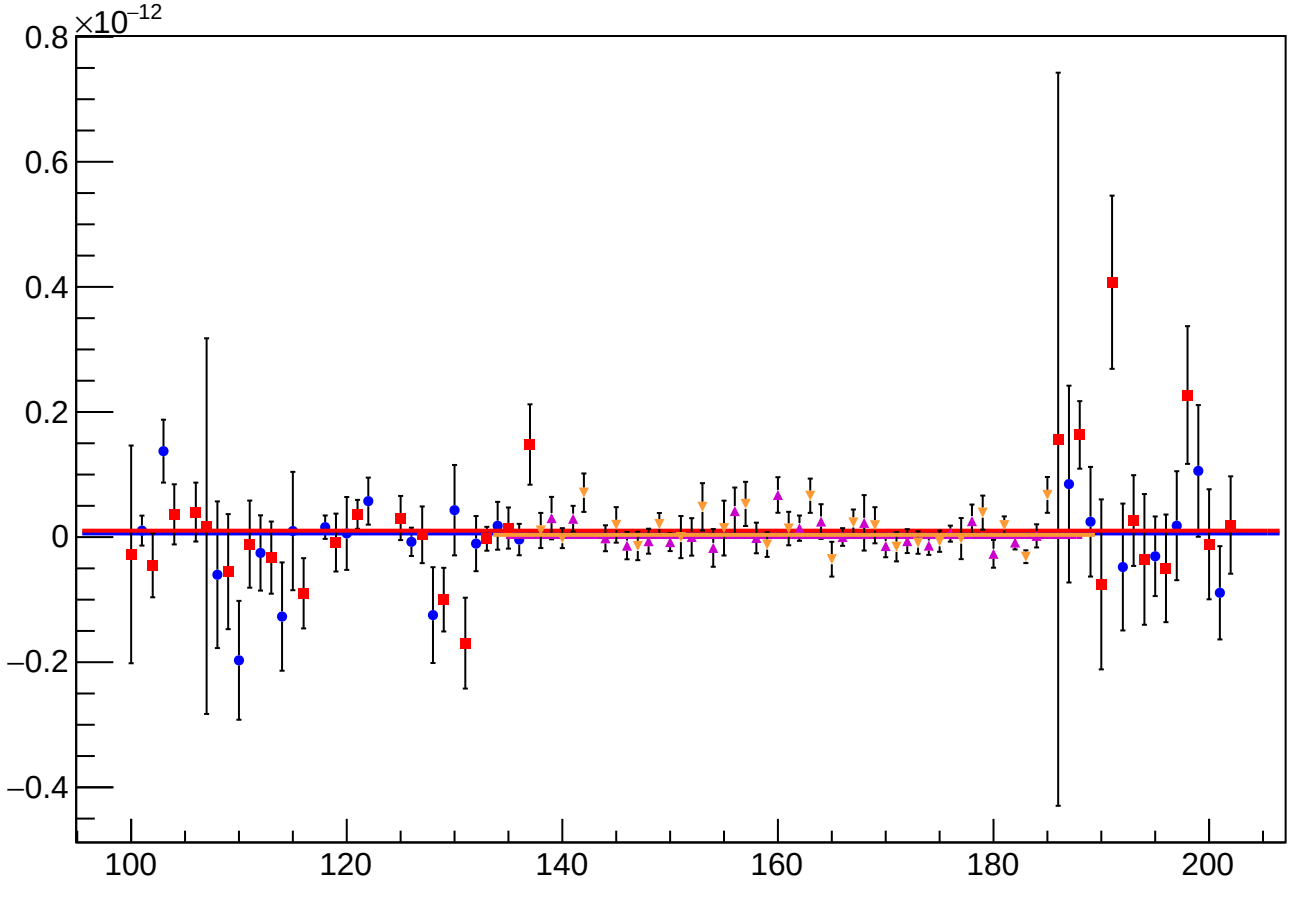
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 66.011+/-0.010 χ^2/NDF: 3318376.9/50

In: 64.794+/-0.009 χ^2/NDF:1892634.7/45

Out: 64.630+/-0.008 χ^2/NDF:3371753.8/51

All: 64.710+/-0.006 χ^2/NDF: 5264569.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/27

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

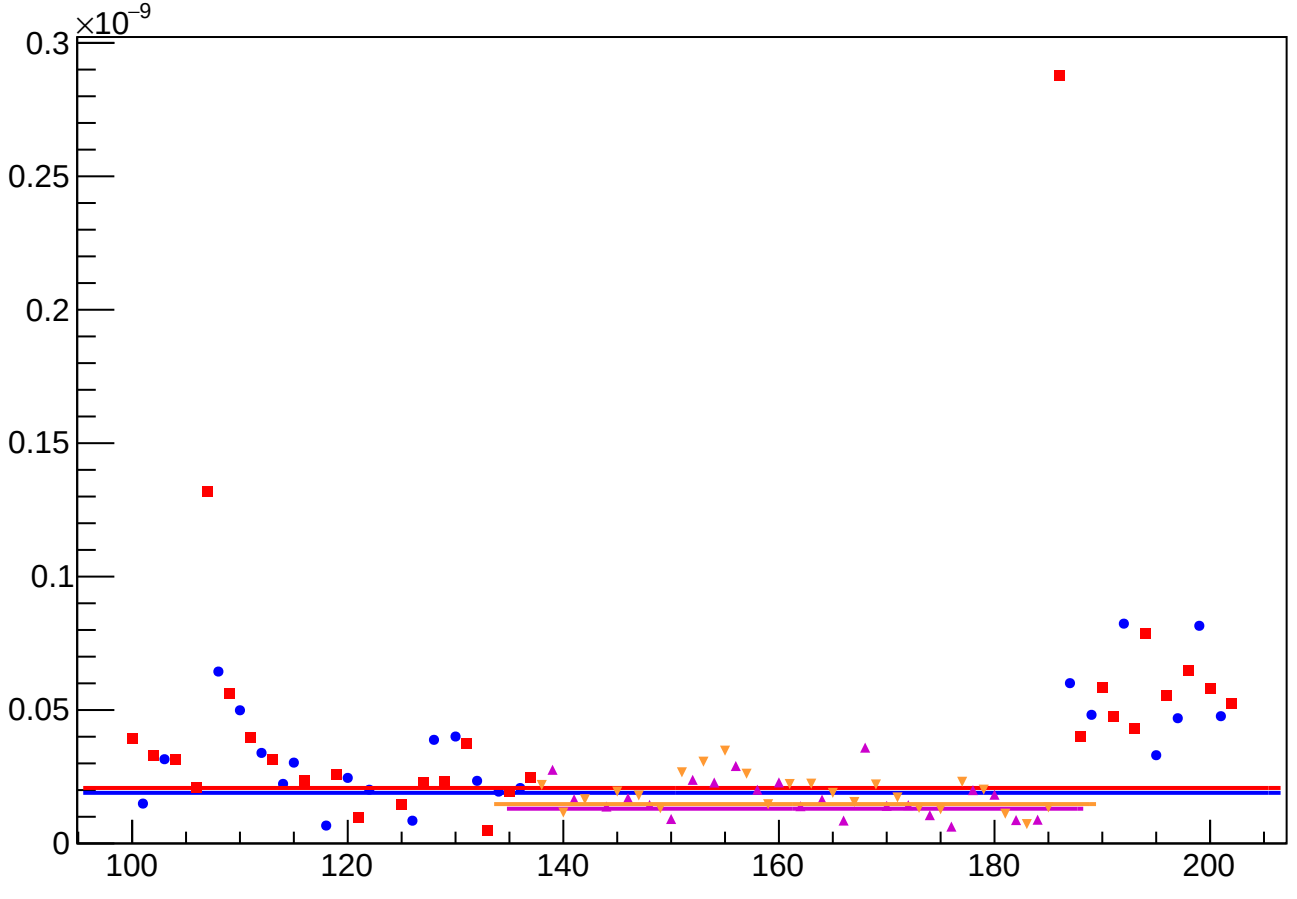
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 69.4/50

In: 0.000+/-0.000 χ^2/NDF:41.4/45

Out: 0.000+/-0.000 χ^2/NDF:86.4/51

All: 0.000+/-0.000 χ^2/NDF: 128.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 4943762.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6106086.3/27

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

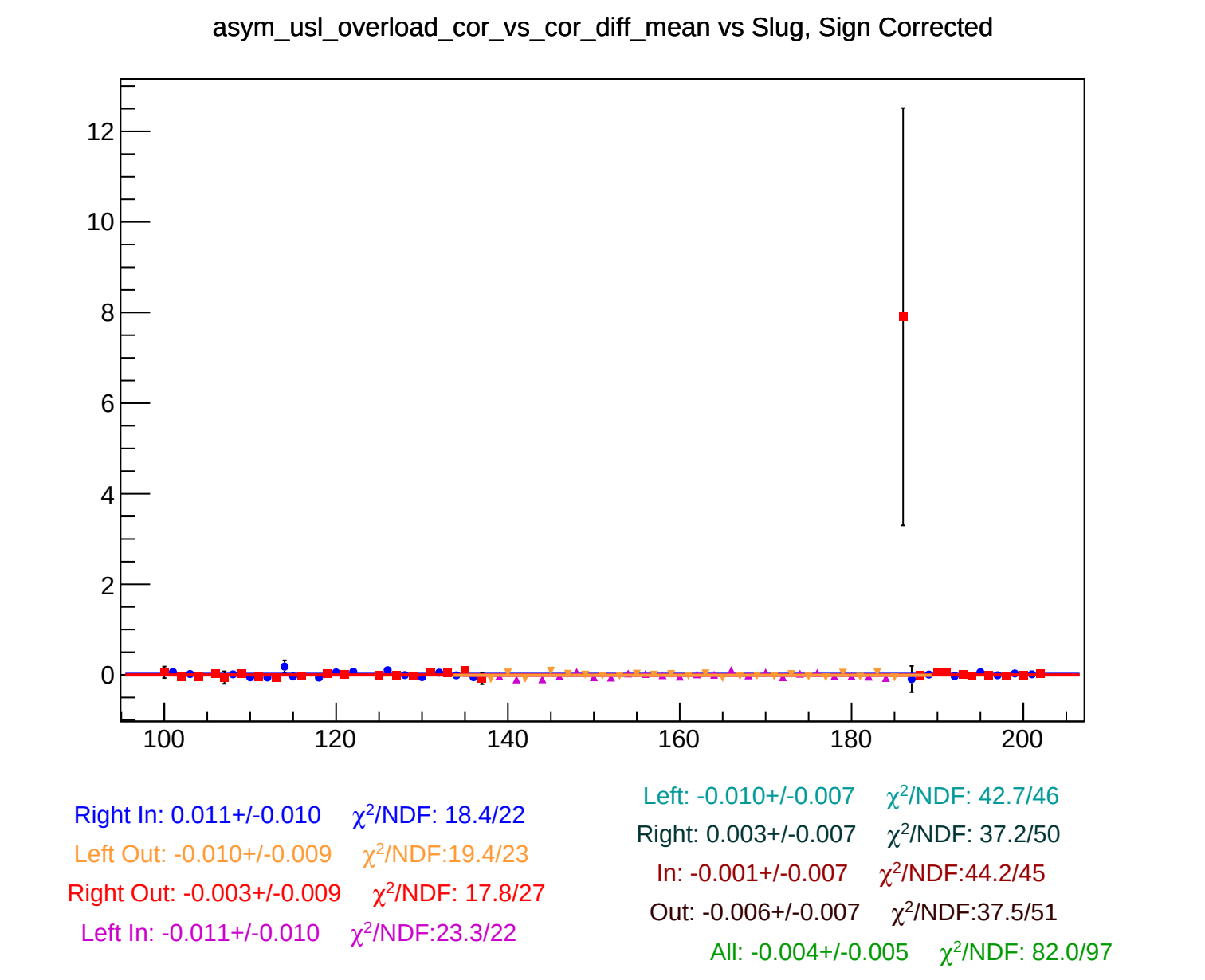
Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

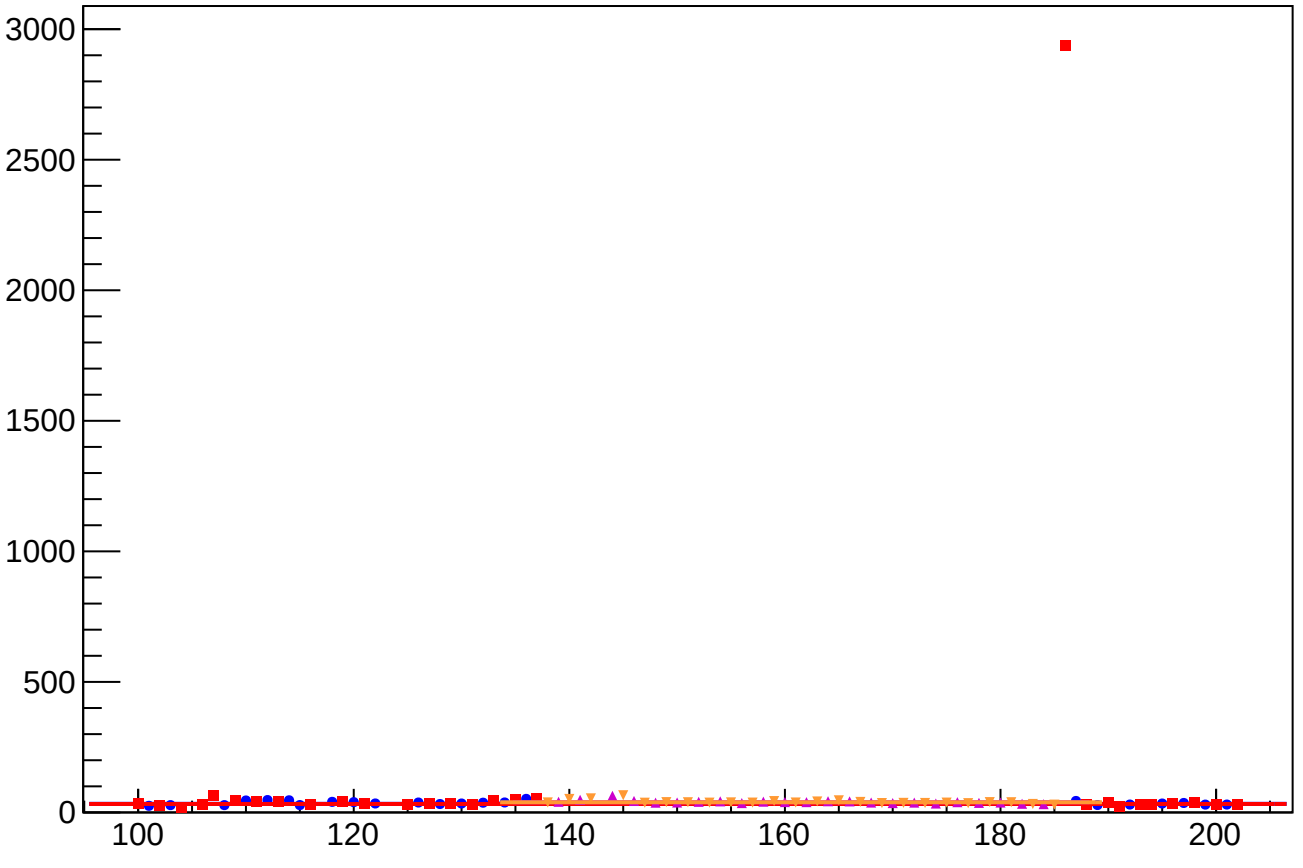
Right: 0.000+/-0.000 χ^2/NDF: 11090342.1/50

In: 0.000+/-0.000 χ^2/NDF:9616722.0/45

Out: 0.000+/-0.000 χ^2/NDF:10331624.3/51

All: 0.000+/-0.000 χ^2/NDF: 20172679.8/97


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.011+/-0.010 χ²/NDF: 18.4/22
Left Out: -0.010+/-0.009 χ²/NDF:19.4/23
Right Out: -0.003+/-0.009 χ²/NDF: 17.8/27
Left In: -0.011+/-0.010 χ²/NDF:23.3/22
Left: -0.010+/-0.007 χ²/NDF: 42.7/46
Right: 0.003+/-0.007 χ²/NDF: 37.2/50
In: -0.001+/-0.007 χ²/NDF:44.2/45
Out: -0.006+/-0.007 χ²/NDF:37.5/51
All: -0.004+/-0.005 χ²/NDF: 82.0/97



Right In: 33.008+/-0.007 χ^2/NDF: 732101.7/22

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.491+/-0.007 χ^2/NDF: 1877340.2/27

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

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

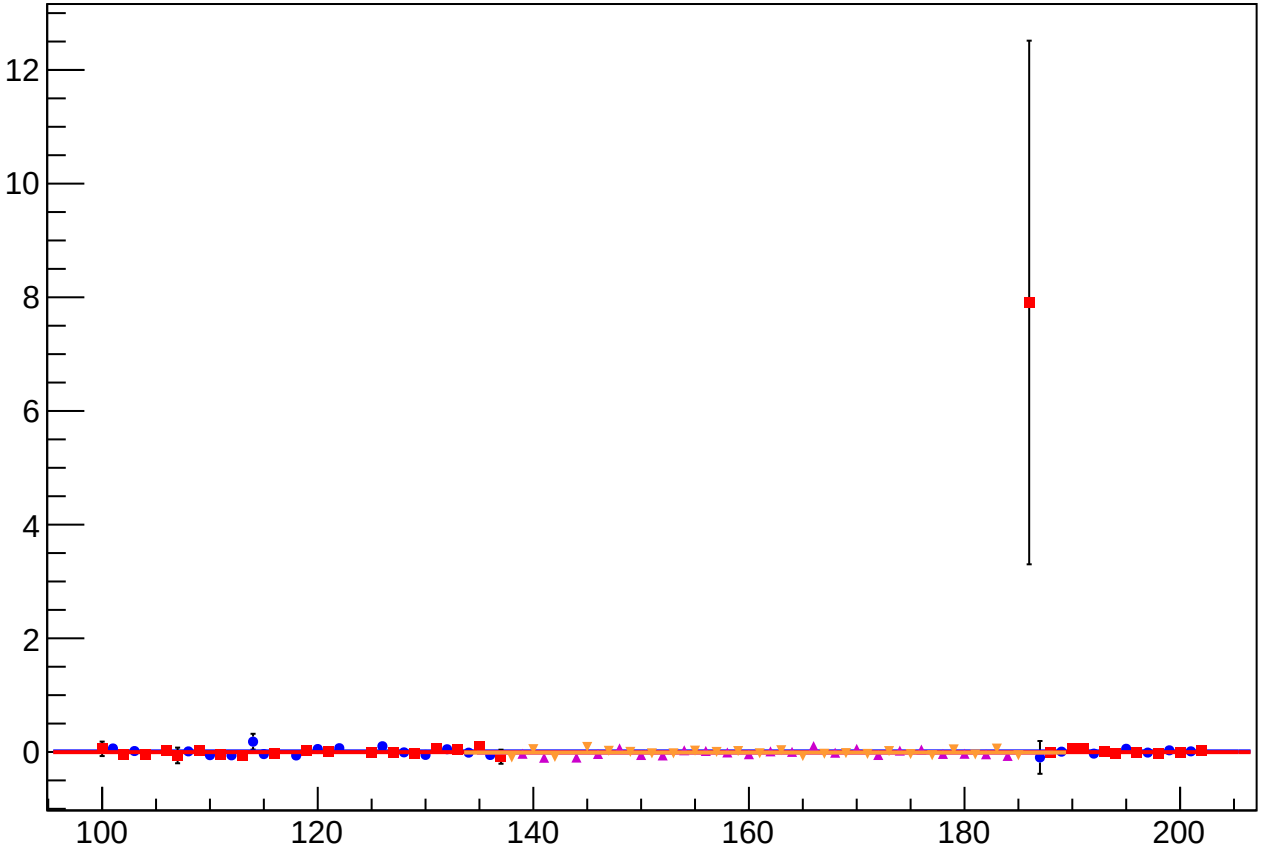
Right: 32.729+/-0.005 χ^2/NDF: 2612301.1/50

In: 36.250+/-0.005 χ^2/NDF:1649329.8/45

Out: 35.666+/-0.005 χ^2/NDF:2980429.5/51

All: 35.945+/-0.003 χ^2/NDF: 4637207.0/97

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.010 χ^2/NDF: 18.4/22

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.003+/-0.009 χ^2/NDF: 17.8/27

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

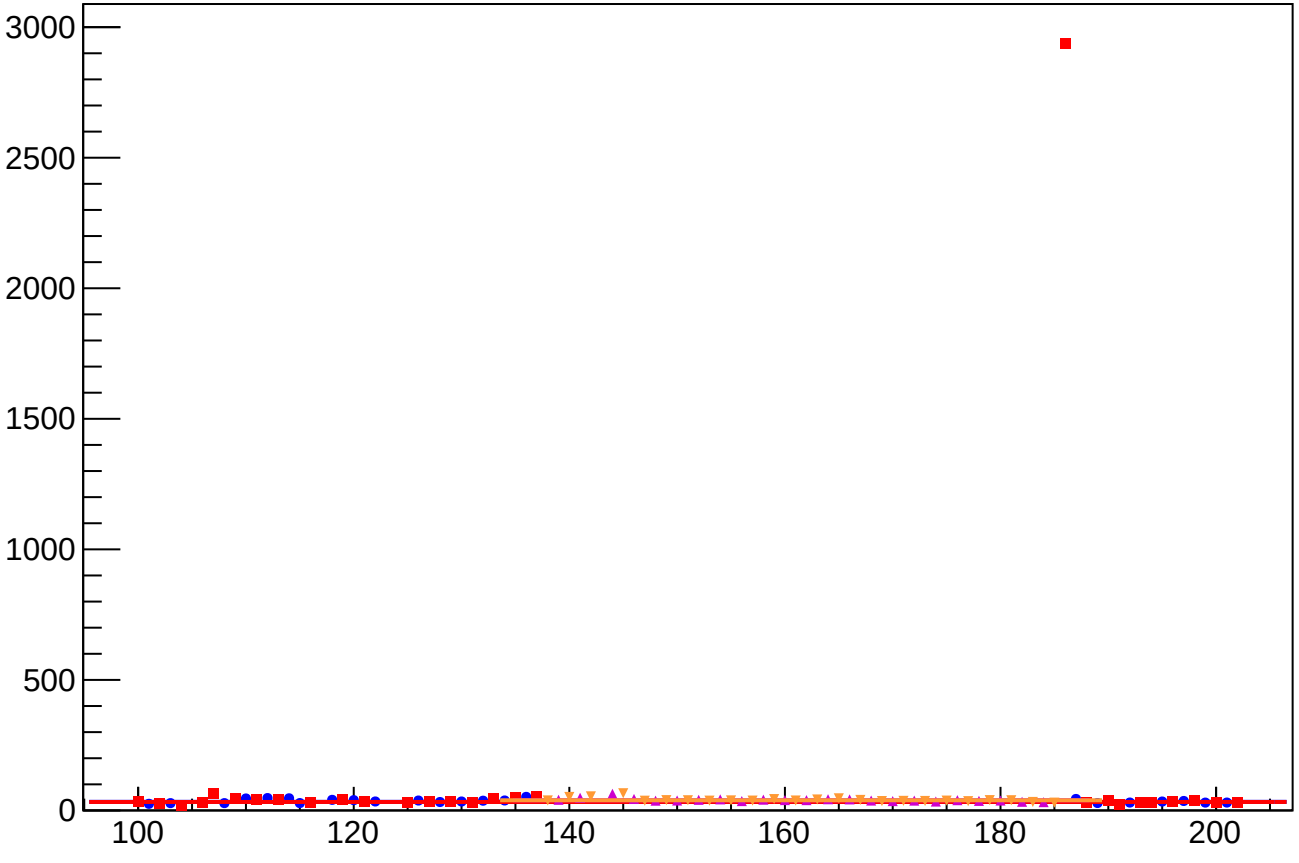
Right: 0.003+/-0.007 χ^2/NDF: 37.2/50

In: -0.001+/-0.007 χ^2/NDF:44.2/45

Out: -0.006+/-0.007 χ^2/NDF:37.5/51

All: -0.004+/-0.005 χ^2/NDF: 82.0/97

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.008+/-0.007 χ^2/NDF: 732101.7/22

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.491+/-0.007 χ^2/NDF: 1877340.2/27

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

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

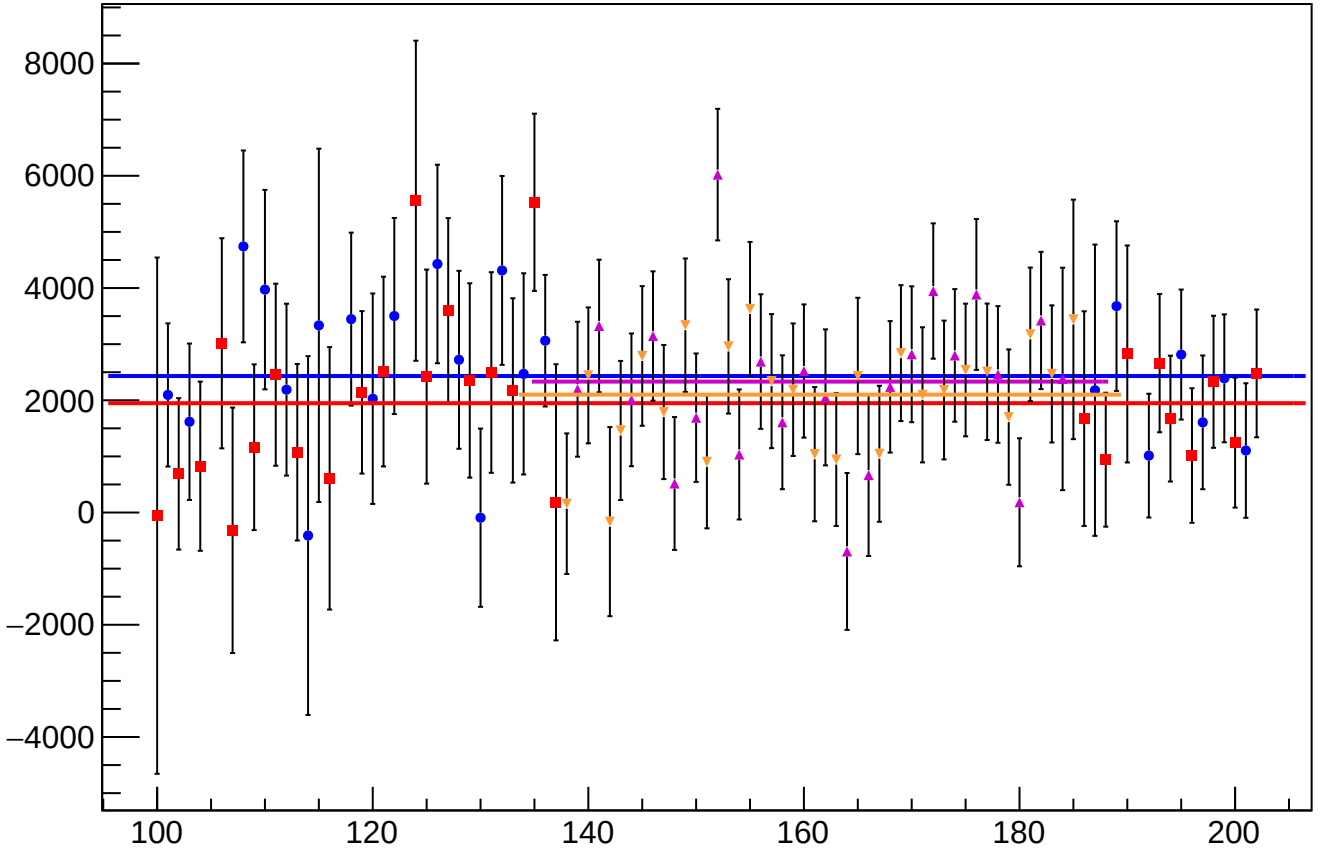
Right: 32.729+/-0.005 χ^2/NDF: 2612301.1/50

In: 36.250+/-0.005 χ^2/NDF:1649329.8/45

Out: 35.666+/-0.005 χ^2/NDF:2980429.5/51

All: 35.945+/-0.003 χ^2/NDF: 4637207.0/97

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2432.218+/-311.941 χ^2/NDF: 14.3/22

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.400+/-291.509 χ^2/NDF: 15.3/27

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

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

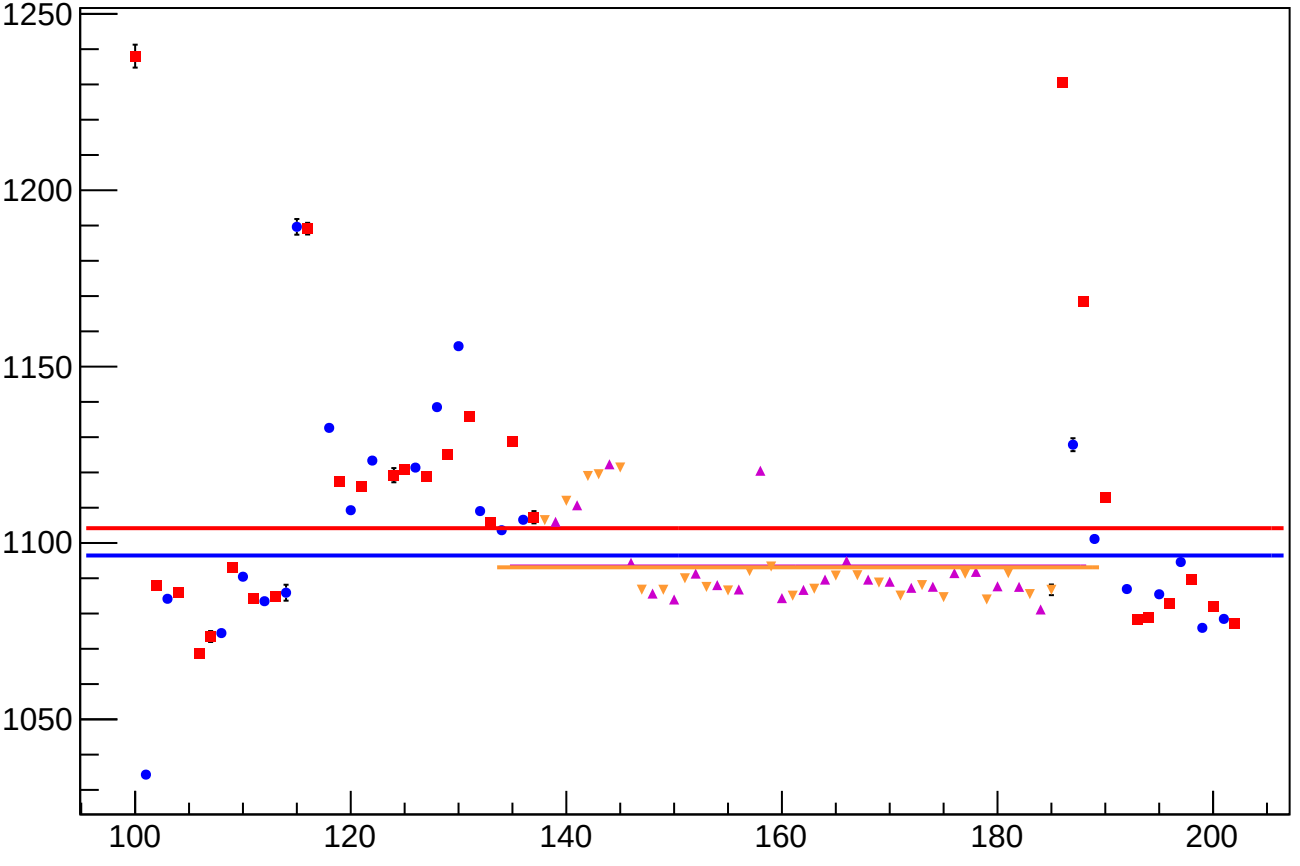
Right: 2173.946+/-212.985 χ^2/NDF: 30.8/50

In: 2372.769+/-197.561 χ^2/NDF:43.8/45

Out: 2036.486+/-189.027 χ^2/NDF:29.3/52

All: 2197.208+/-136.579 χ^2/NDF: 74.6/98

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1096.454+/-0.221 χ^2/NDF: 15475.5/22

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1104.197+/-0.206 χ^2/NDF: 28054.6/27

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

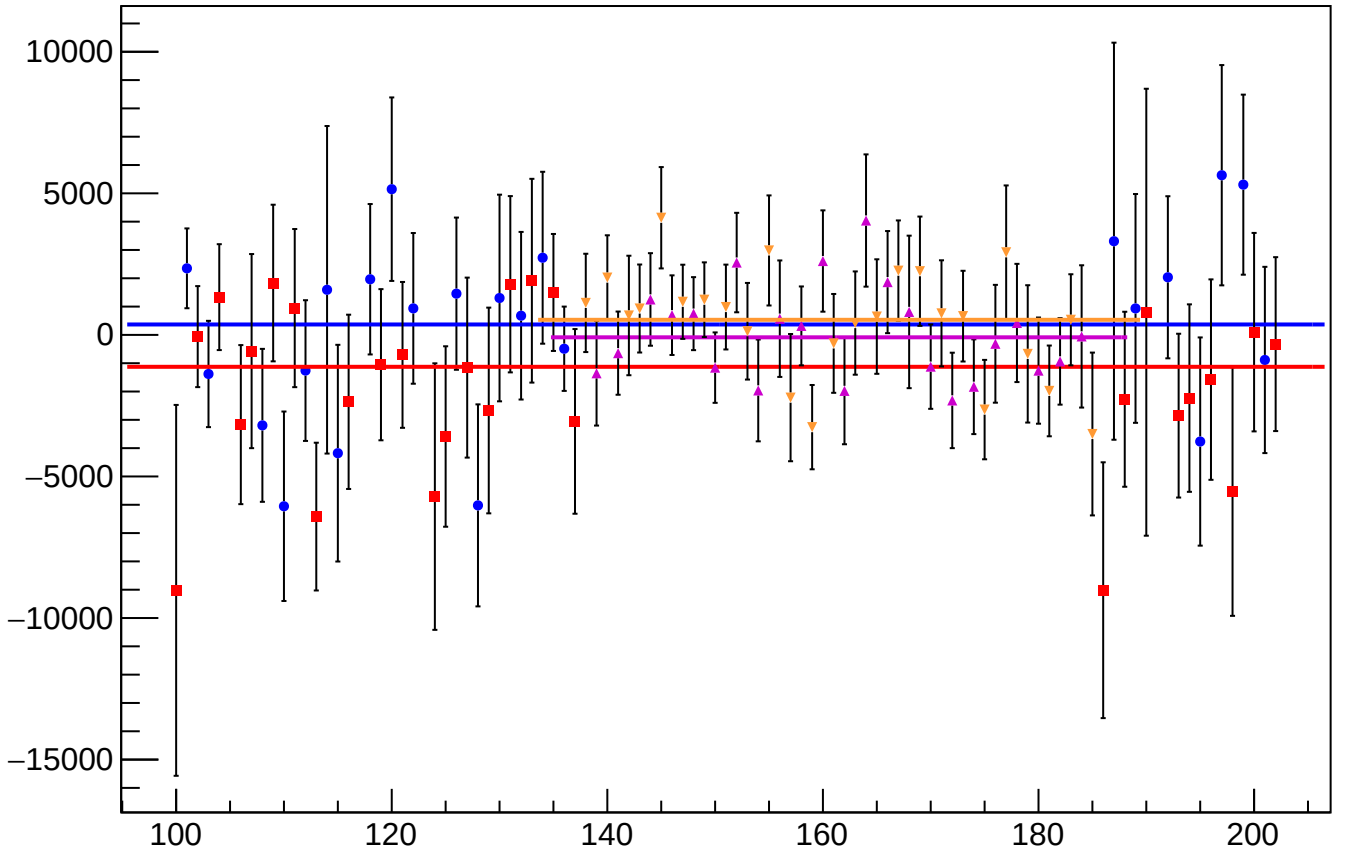
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1100.587+/-0.151 χ^2/NDF: 44187.9/50

In: 1094.588+/-0.140 χ^2/NDF:19320.7/45

Out: 1097.767+/-0.134 χ^2/NDF:33716.6/52

All: 1096.248+/-0.097 χ^2/NDF: 53307.7/98



Right In: 368.311+/-563.216 χ^2/NDF: 23.3/22

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1126.993+/-562.161 χ^2/NDF: 20.3/27

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

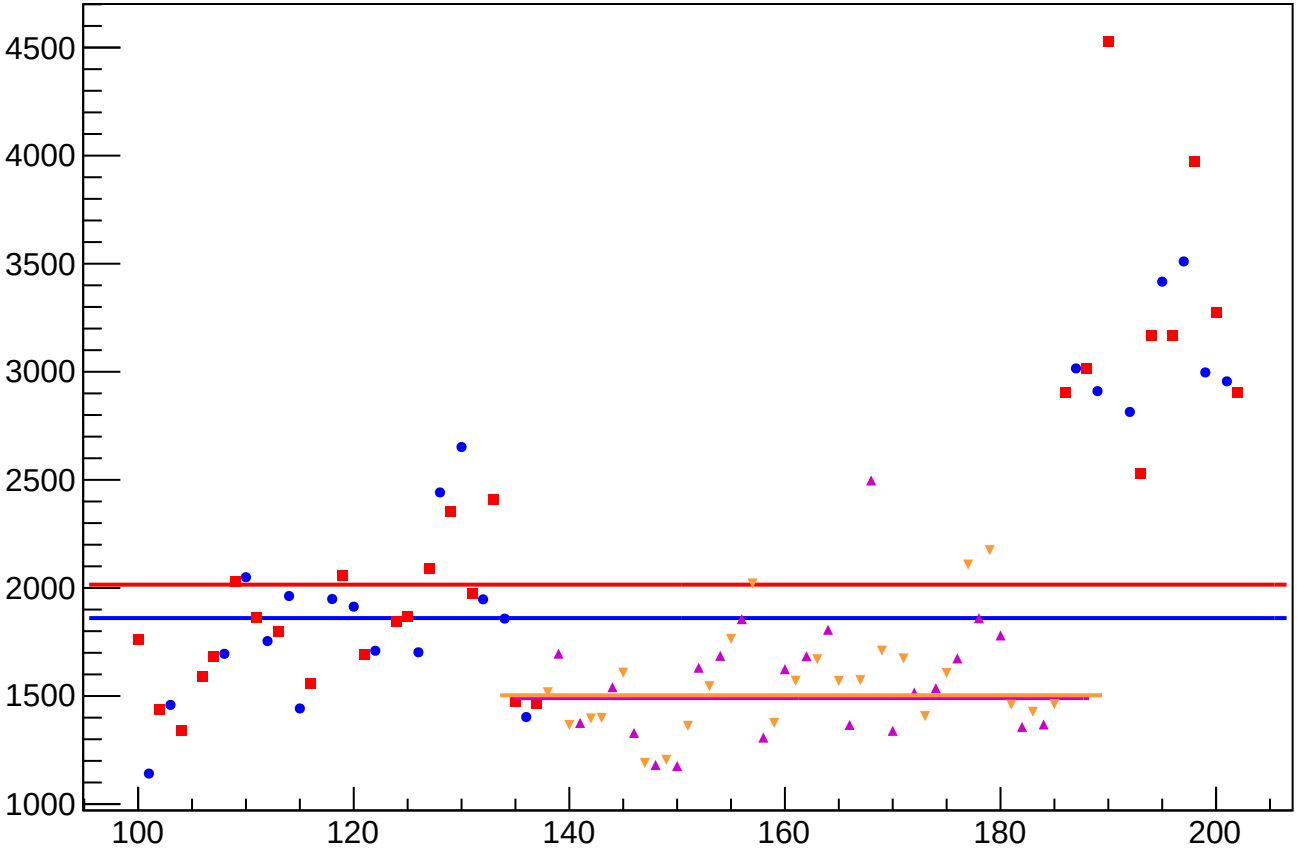
Right: -380.742+/-397.880 χ^2/NDF: 47.1/50

In: 43.099+/-299.674 χ^2/NDF:41.8/45

Out: 74.582+/-295.415 χ^2/NDF:53.1/52

All: 59.066+/-210.380 χ^2/NDF: 94.9/98

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1860.548+/-0.398 χ^2/NDF: 2614948.4/22

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2015.282+/-0.398 χ^2/NDF: 2709865.4/27

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

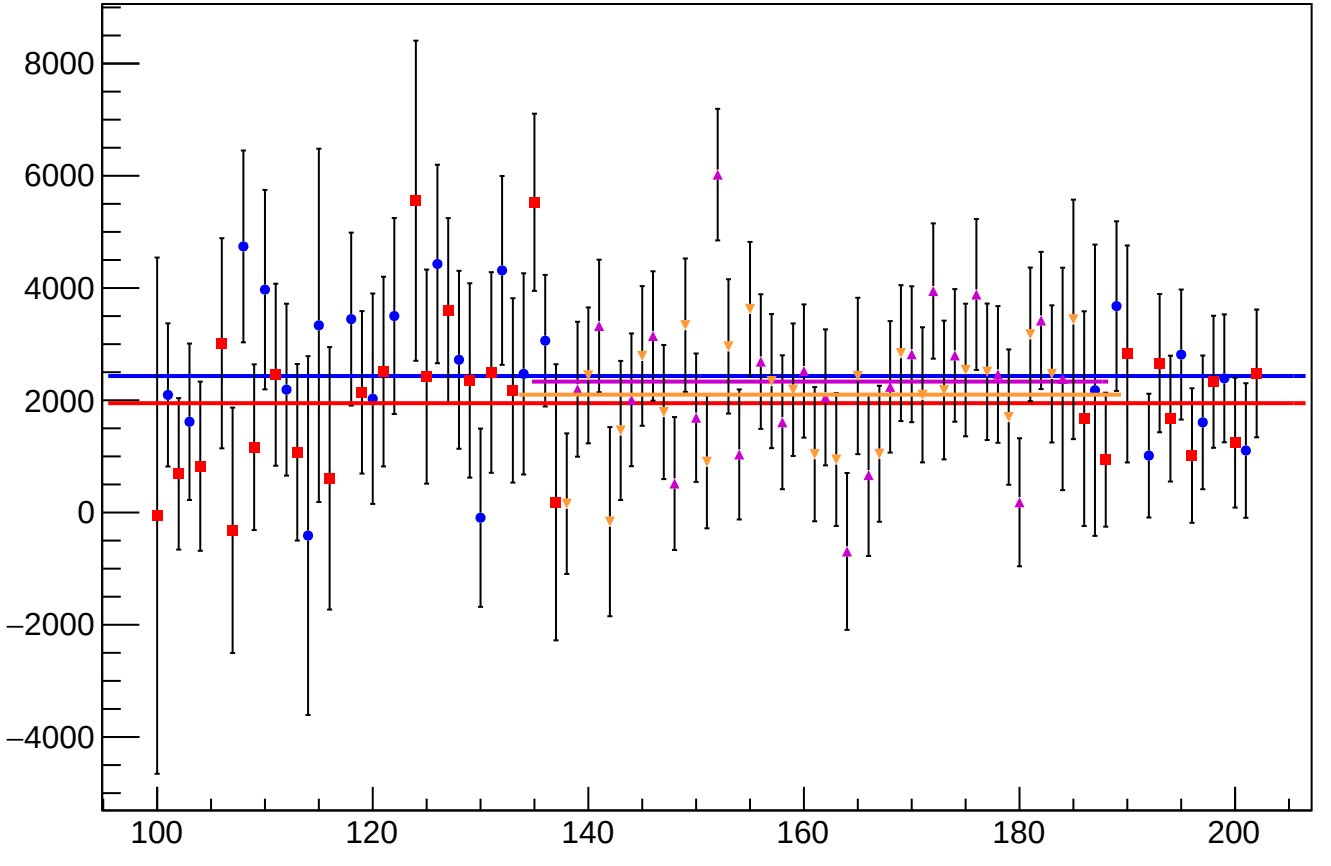
Right: 1938.060+/-0.281 χ^2/NDF: 5400433.4/50

In: 1595.130+/-0.212 χ^2/NDF:4202736.1/45

Out: 1644.782+/-0.209 χ^2/NDF:4709683.4/52

All: 1620.311+/-0.149 χ^2/NDF: 8940265.3/98

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2432.218+/-311.941 χ^2/NDF: 14.3/22

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.400+/-291.509 χ^2/NDF: 15.3/27

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

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

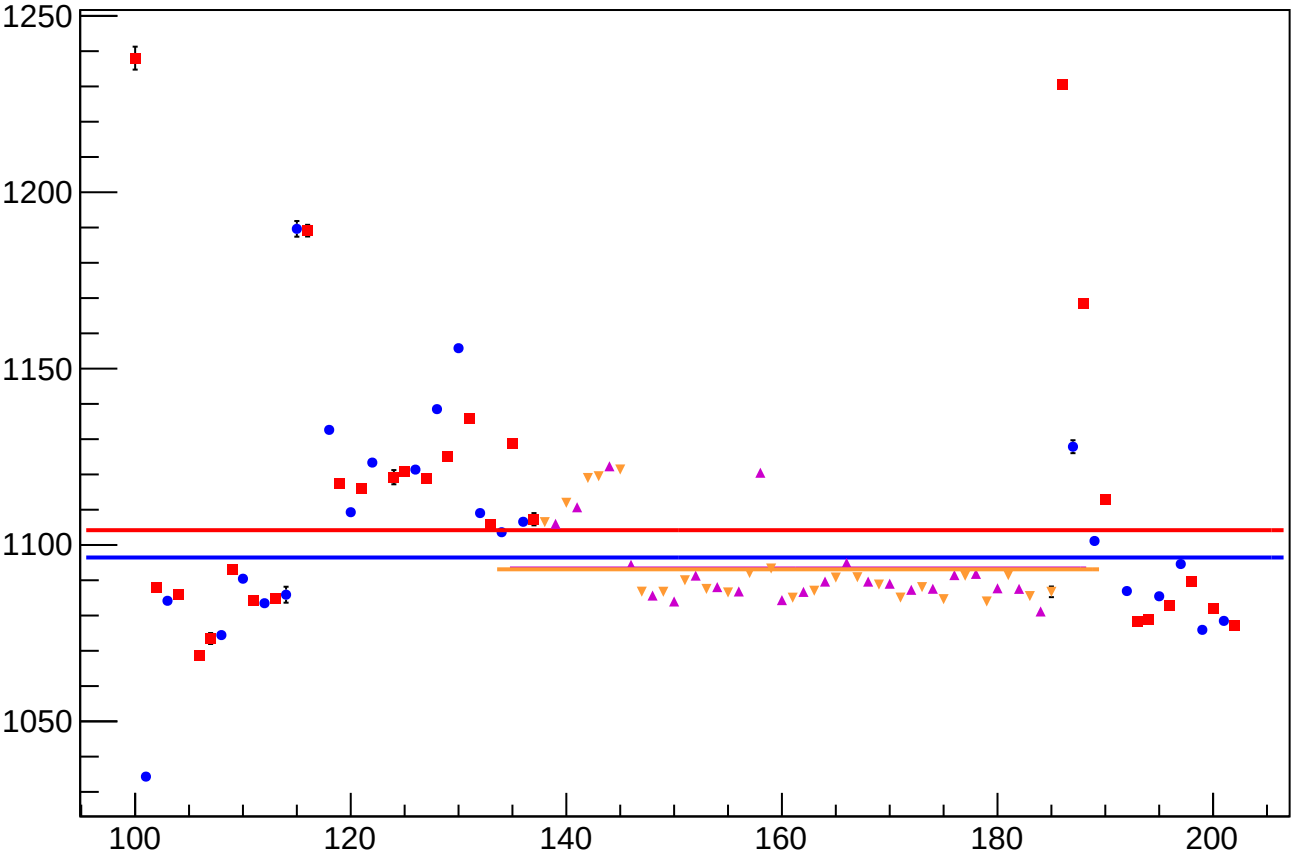
Right: 2173.946+/-212.985 χ^2/NDF: 30.8/50

In: 2372.769+/-197.561 χ^2/NDF:43.8/45

Out: 2036.486+/-189.027 χ^2/NDF:29.3/52

All: 2197.208+/-136.579 χ^2/NDF: 74.6/98

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1096.454+/-0.221 χ^2/NDF: 15475.5/22

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1104.197+/-0.206 χ^2/NDF: 28054.6/27

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

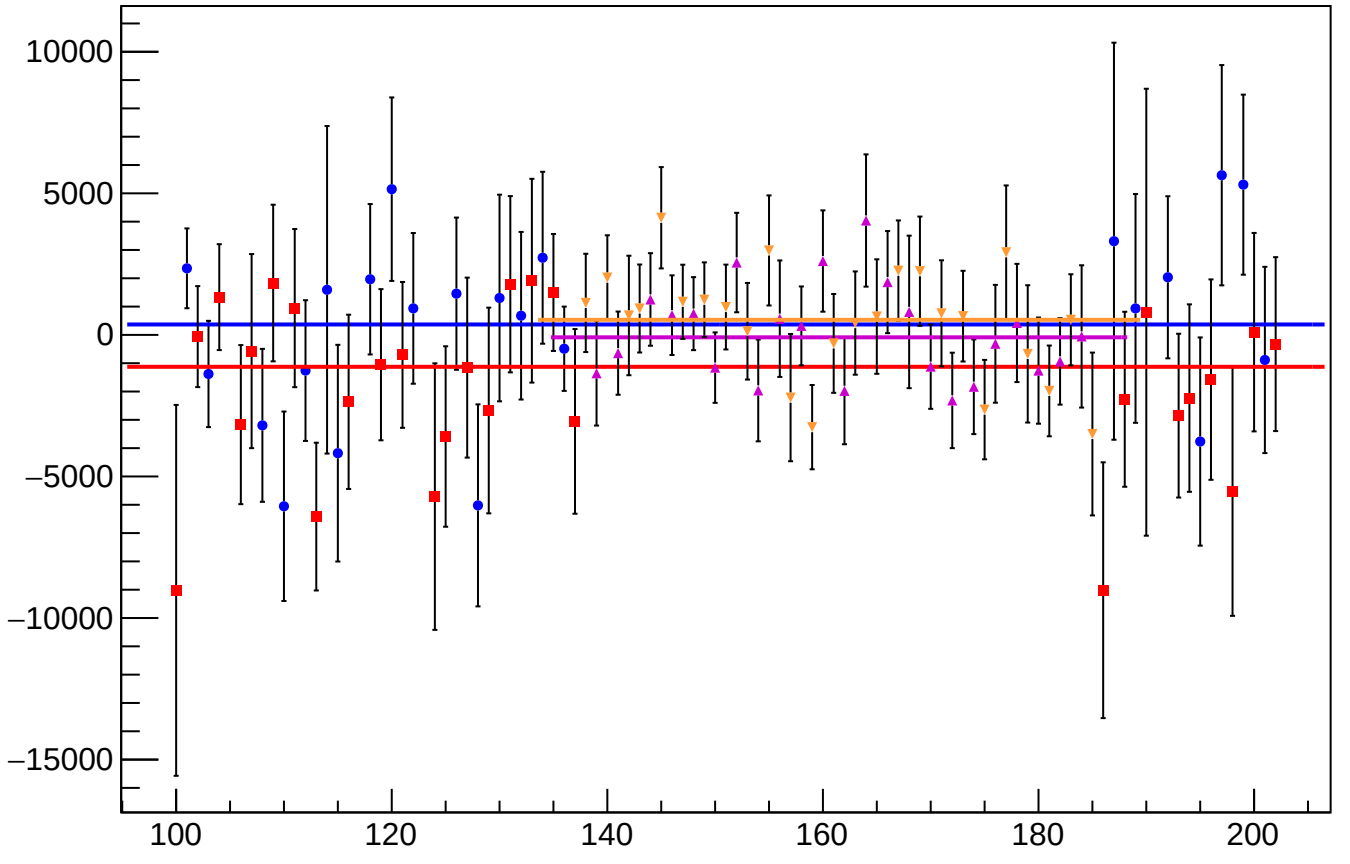
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1100.587+/-0.151 χ^2/NDF: 44187.9/50

In: 1094.588+/-0.140 χ^2/NDF:19320.7/45

Out: 1097.767+/-0.134 χ^2/NDF:33716.6/52

All: 1096.248+/-0.097 χ^2/NDF: 53307.7/98



Right In: 368.311+/-563.216 χ^2/NDF: 23.3/22

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1126.993+/-562.161 χ^2/NDF: 20.3/27

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

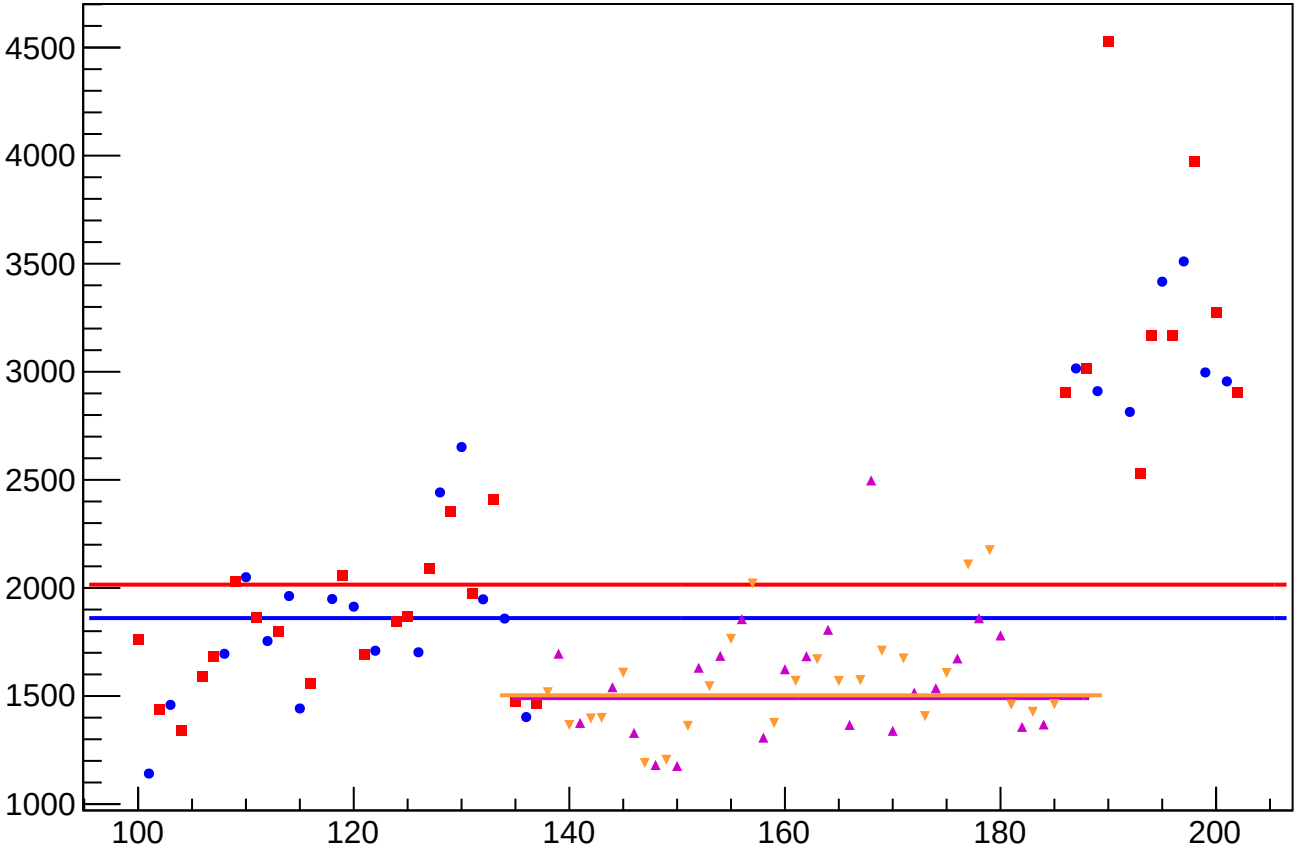
Right: -380.742+/-397.880 χ^2/NDF: 47.1/50

In: 43.099+/-299.674 χ^2/NDF:41.8/45

Out: 74.582+/-295.415 χ^2/NDF:53.1/52

All: 59.066+/-210.380 χ^2/NDF: 94.9/98

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1860.548+/-0.398 χ^2/NDF: 2614948.4/22

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2015.282+/-0.398 χ^2/NDF: 2709865.4/27

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

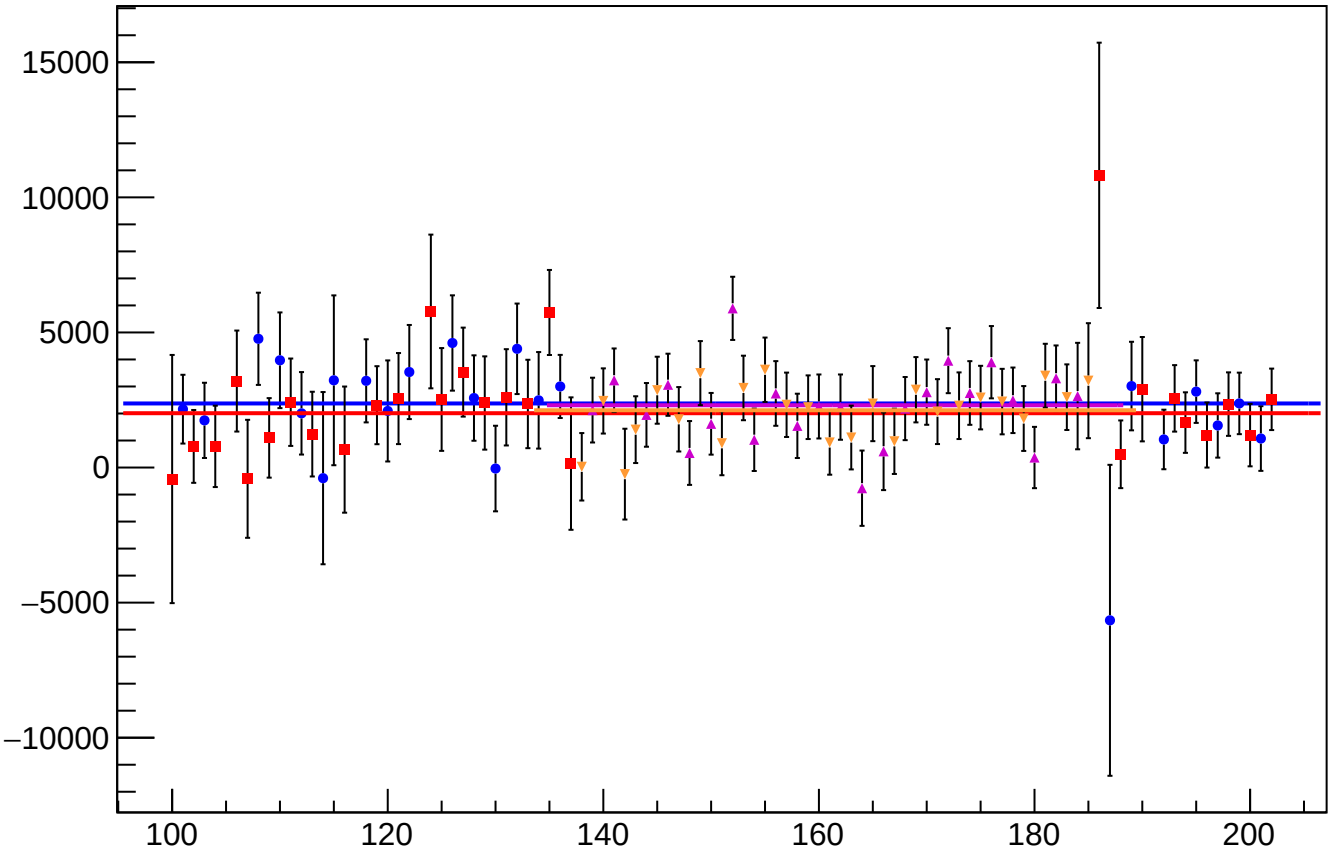
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1938.060+/-0.281 χ^2/NDF: 5400433.4/50

In: 1595.130+/-0.212 χ^2/NDF:4202736.1/45

Out: 1644.782+/-0.209 χ^2/NDF:4709683.4/52

All: 1620.311+/-0.149 χ^2/NDF: 8940265.3/98



Right In: 2371.801+/-314.169 χ^2/NDF: 15.7/22

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2010.934+/-294.847 χ^2/NDF: 20.1/27

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

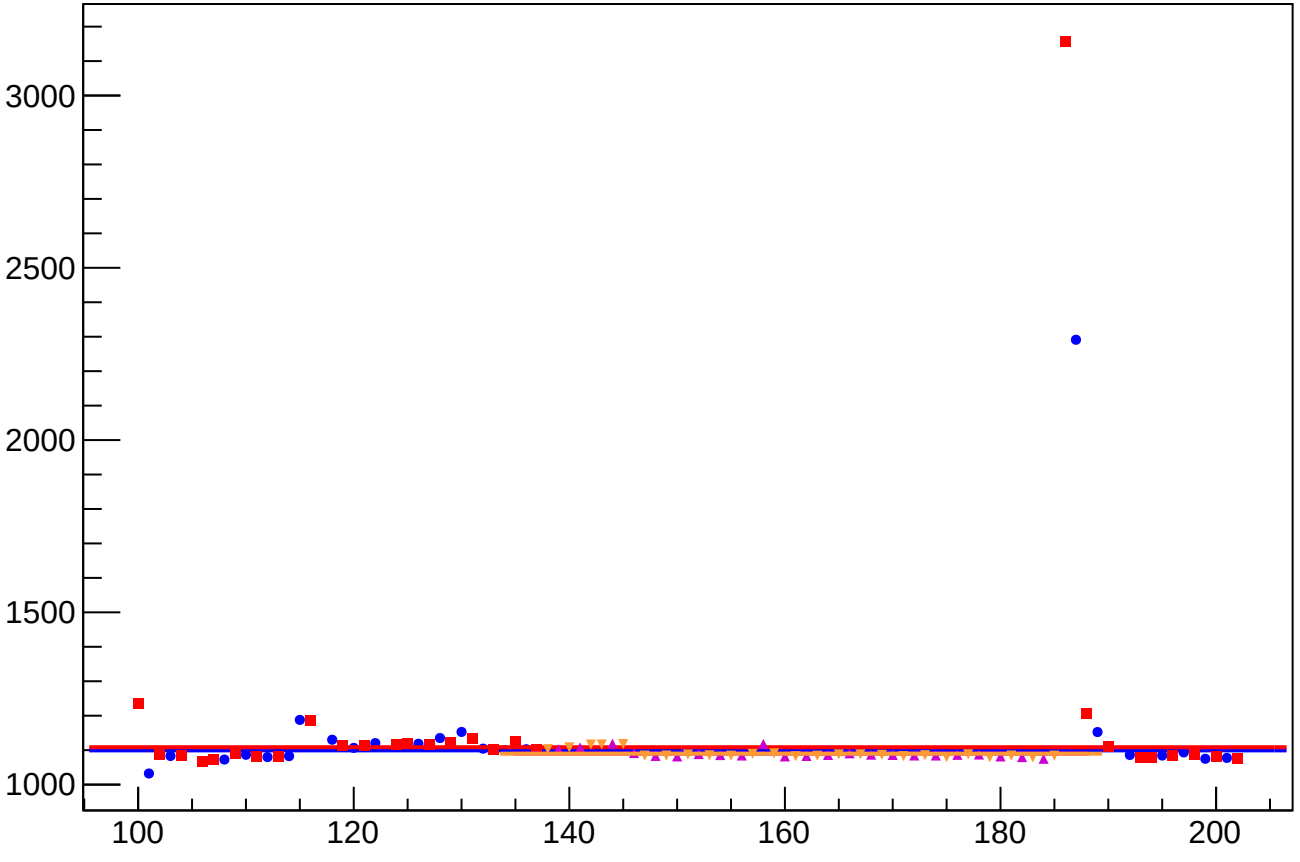
Right: 2179.930+/-214.994 χ^2/NDF: 36.5/50

In: 2331.716+/-197.754 χ^2/NDF:44.2/45

Out: 2074.891+/-189.586 χ^2/NDF:35.3/52

All: 2197.890+/-136.854 χ^2/NDF: 80.3/98

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1099.340+/-0.222 χ^2/NDF: 103221.1/22

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1108.483+/-0.208 χ^2/NDF: 375265.9/27

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

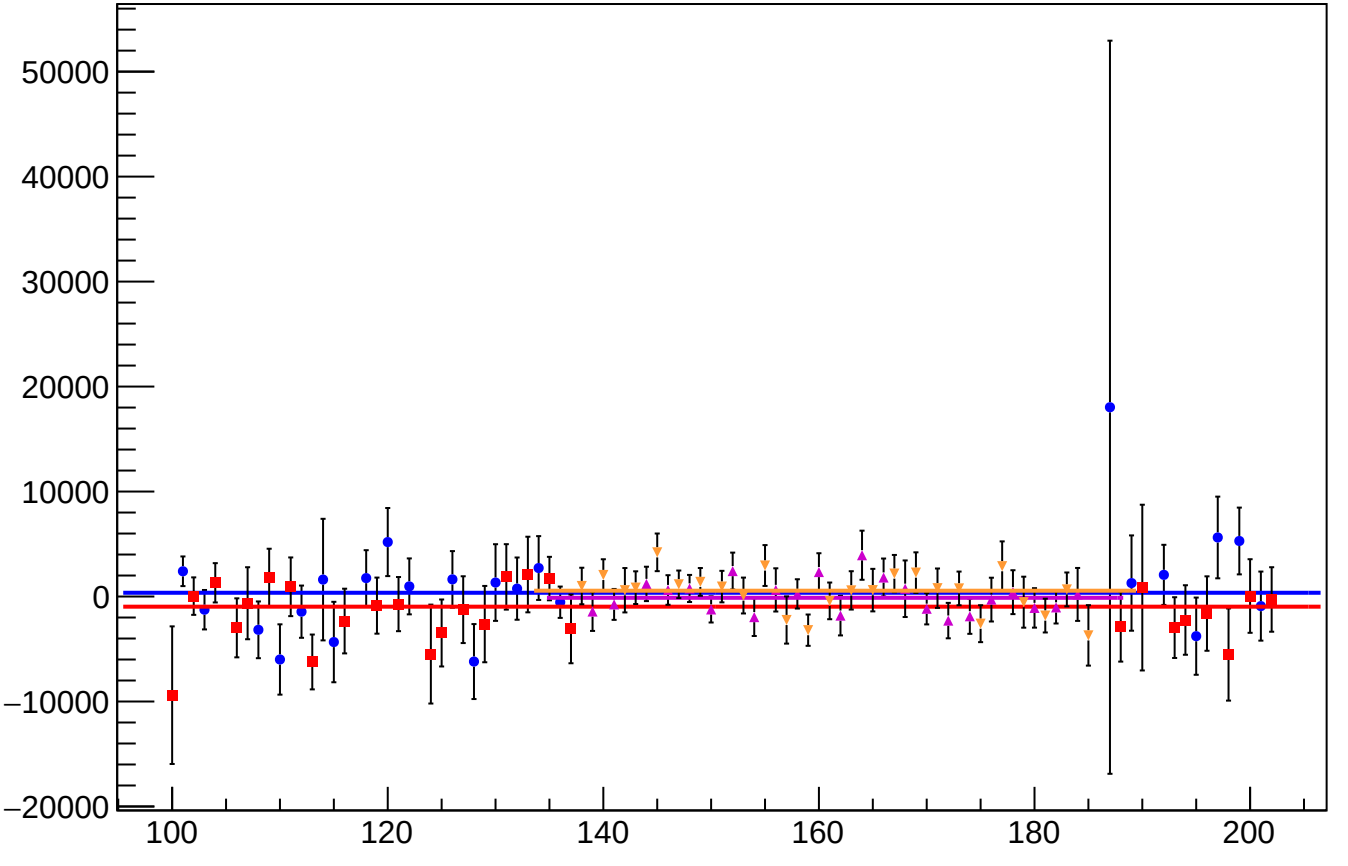
Right: 1104.202+/-0.152 χ^2/NDF: 479387.7/50

In: 1093.679+/-0.140 χ^2/NDF:108192.6/45

Out: 1097.492+/-0.134 χ^2/NDF:384062.4/52

All: 1095.666+/-0.097 χ^2/NDF: 492642.3/98

asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: 357.869+/-566.727 χ^2/NDF: 23.7/22

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -966.940+/-568.372 χ^2/NDF: 17.3/26

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

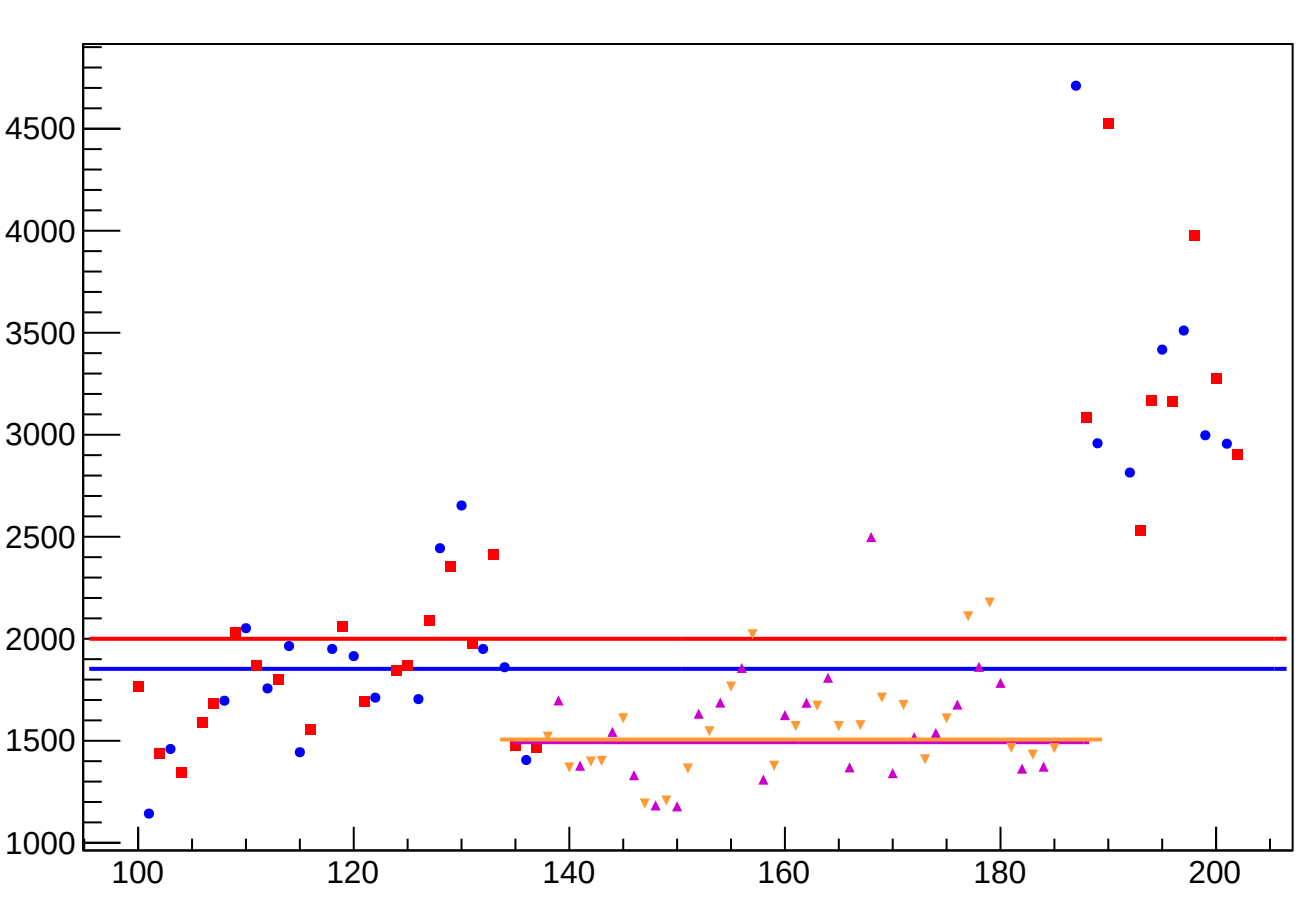
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -302.616+/-401.317 χ^2/NDF: 43.8/49

In: 13.395+/-300.569 χ^2/NDF:41.3/45

Out: 139.444+/-296.672 χ^2/NDF:48.7/51

All: 77.242+/-211.143 χ^2/NDF: 90.1/97



Right In: 1852.569+/-0.401 χ^2/NDF: 2547792.2/22

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2000.004+/-0.402 χ^2/NDF: 2617449.7/26

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

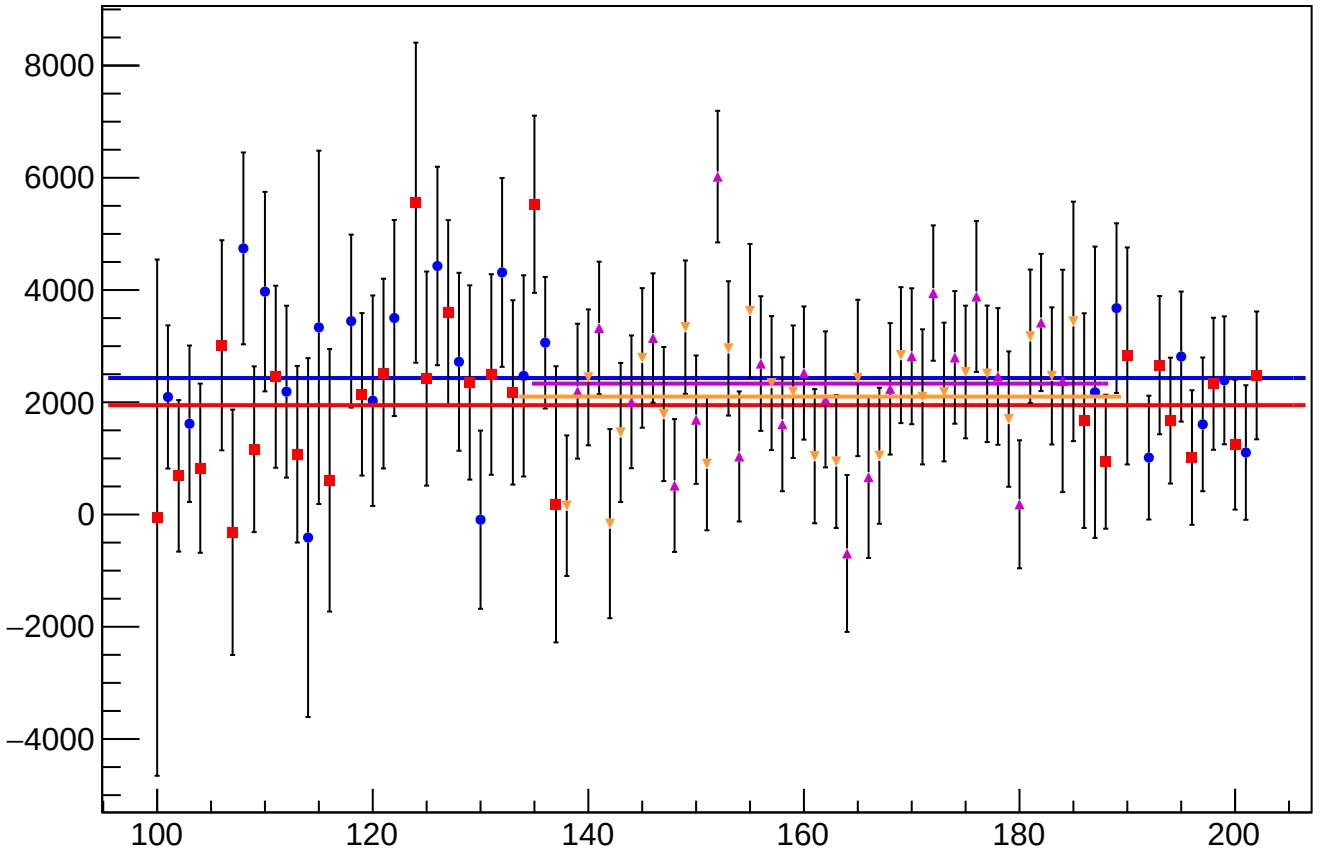
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 1926.073+/-0.284 χ^2/NDF: 5232724.8/49

In: 1594.123+/-0.213 χ^2/NDF:4090863.2/45

Out: 1640.667+/-0.210 χ^2/NDF:4512622.8/51

All: 1617.699+/-0.149 χ^2/NDF: 8627777.8/97



Right In: 2432.218+/-311.941 χ^2/NDF: 14.3/22

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.400+/-291.509 χ^2/NDF: 15.3/27

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

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

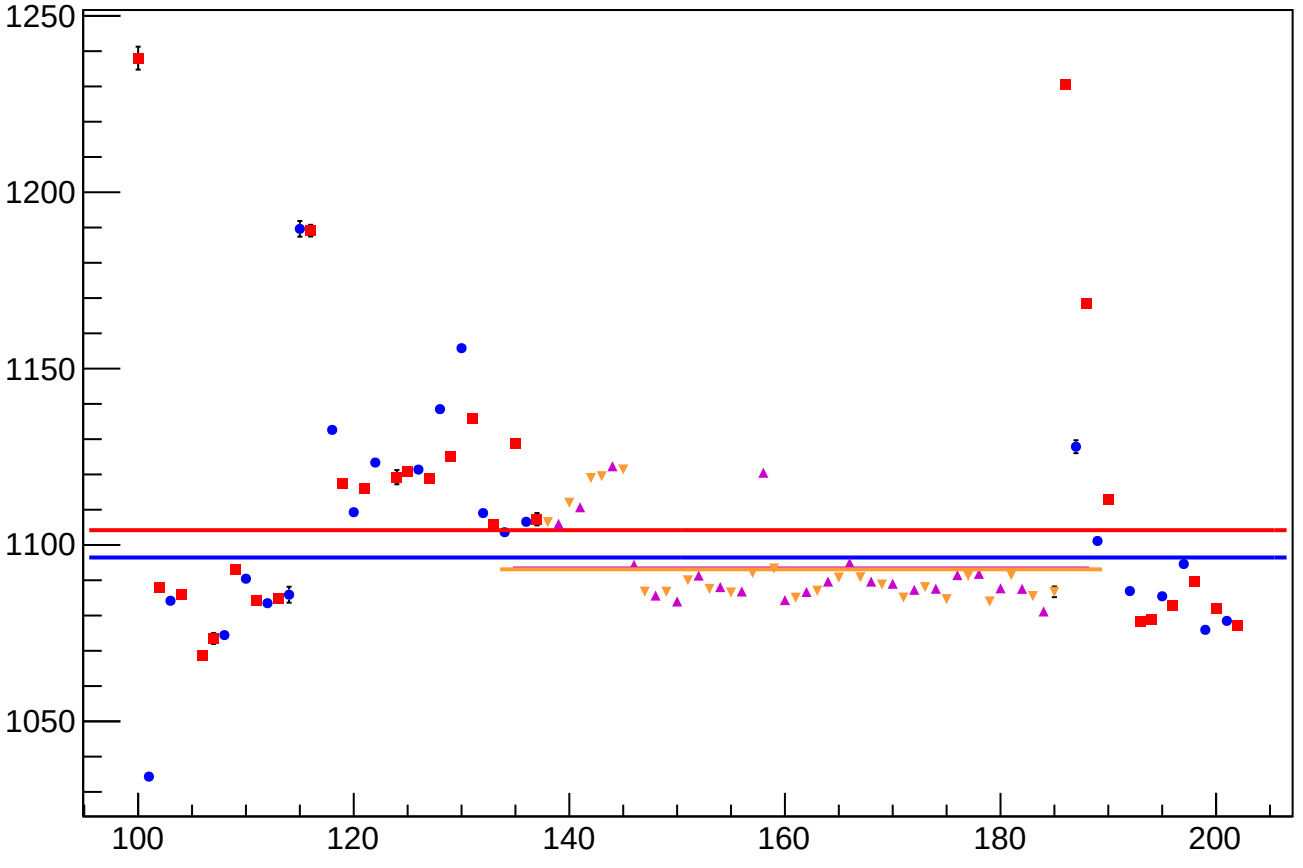
Right: 2173.946+/-212.985 χ^2/NDF: 30.8/50

In: 2372.769+/-197.561 χ^2/NDF:43.8/45

Out: 2036.486+/-189.027 χ^2/NDF:29.3/52

All: 2197.208+/-136.579 χ^2/NDF: 74.6/98

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1096.454+/-0.221 χ^2/NDF: 15475.5/22

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1104.197+/-0.206 χ^2/NDF: 28054.6/27

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

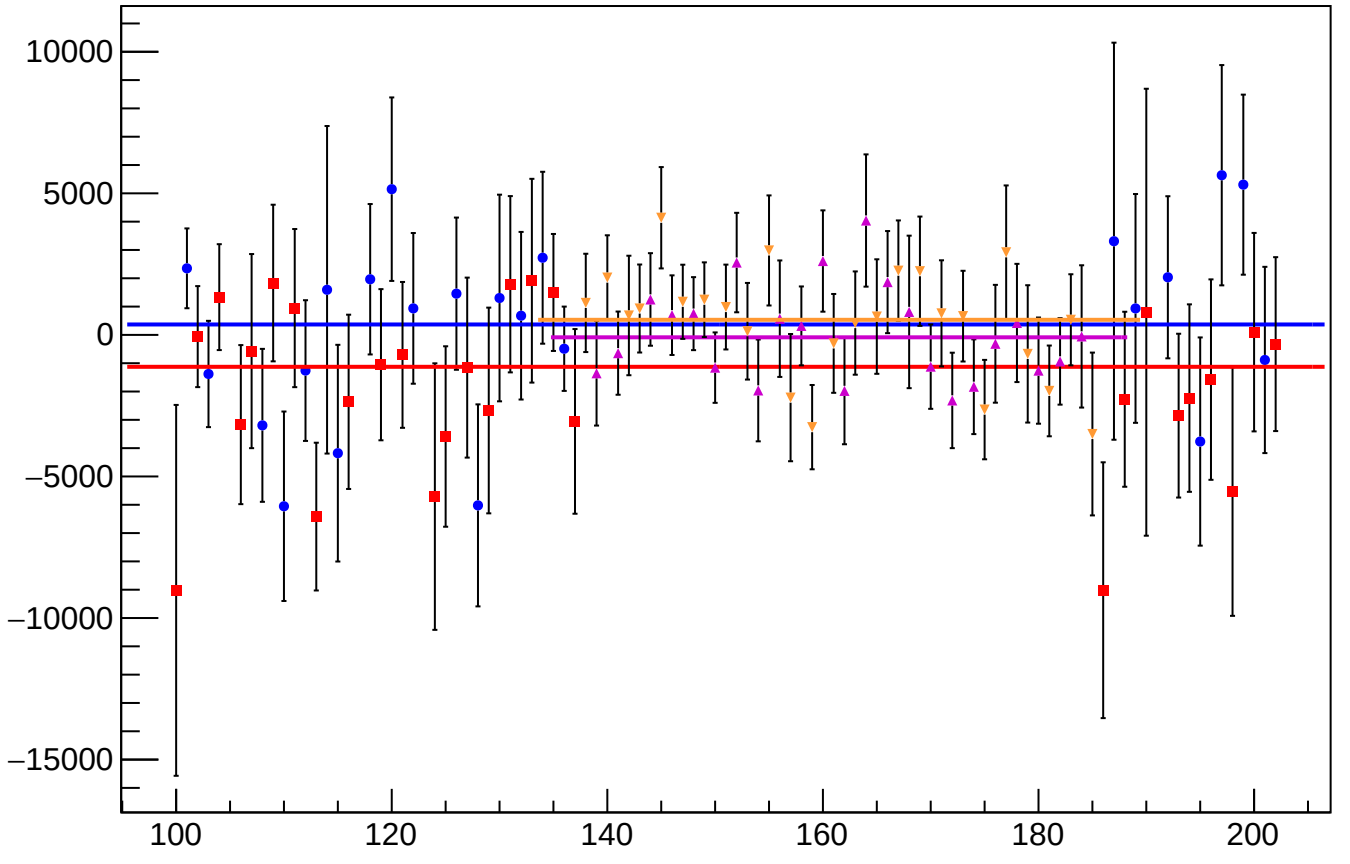
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1100.587+/-0.151 χ^2/NDF: 44187.9/50

In: 1094.588+/-0.140 χ^2/NDF:19320.7/45

Out: 1097.767+/-0.134 χ^2/NDF:33716.6/52

All: 1096.248+/-0.097 χ^2/NDF: 53307.7/98



Right In: 368.311+/-563.216 χ^2/NDF: 23.3/22

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1126.993+/-562.161 χ^2/NDF: 20.3/27

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

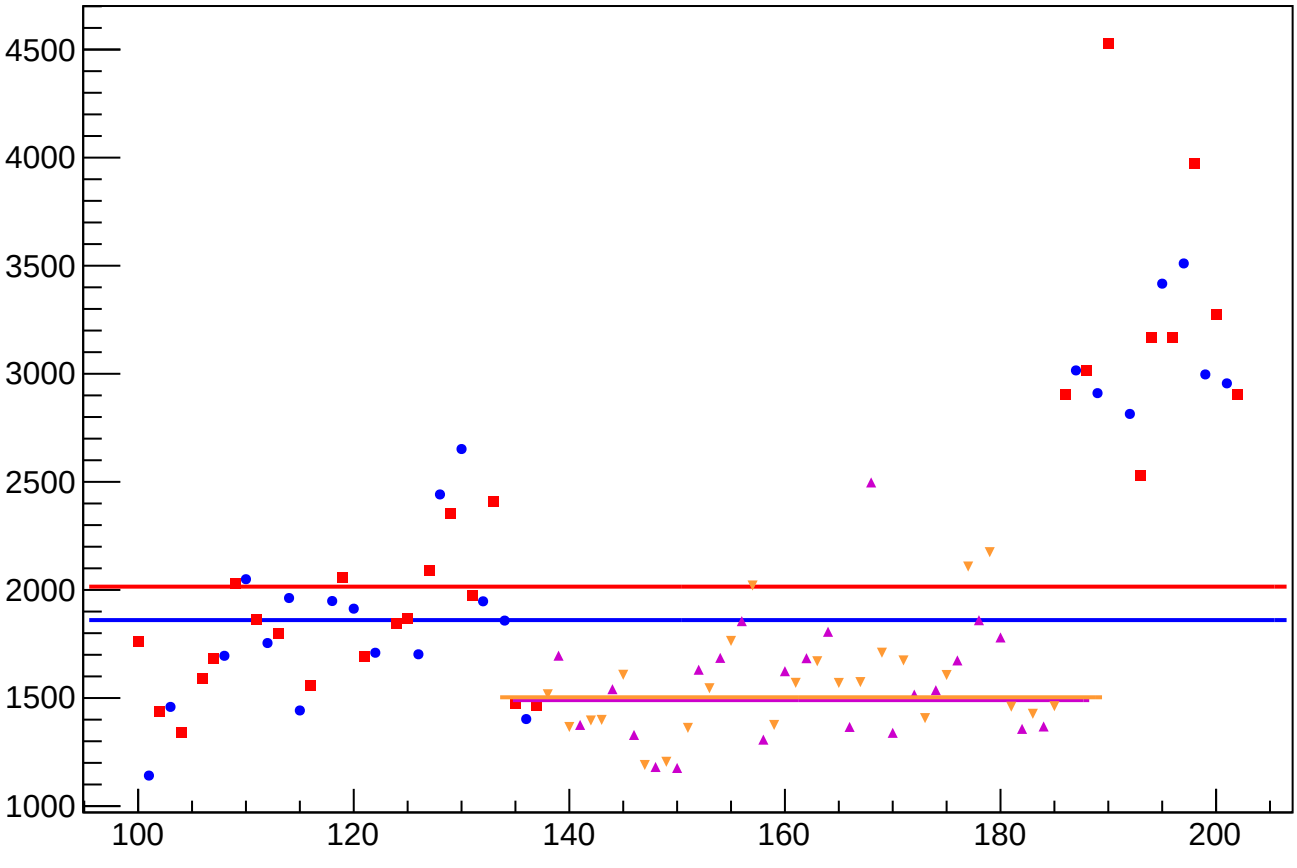
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -380.742+/-397.880 χ^2/NDF: 47.1/50

In: 43.099+/-299.674 χ^2/NDF:41.8/45

Out: 74.582+/-295.415 χ^2/NDF:53.1/52

All: 59.066+/-210.380 χ^2/NDF: 94.9/98



Right In: 1860.548+/-0.398 χ^2/NDF: 2614948.4/22

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2015.282+/-0.398 χ^2/NDF: 2709865.4/27

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

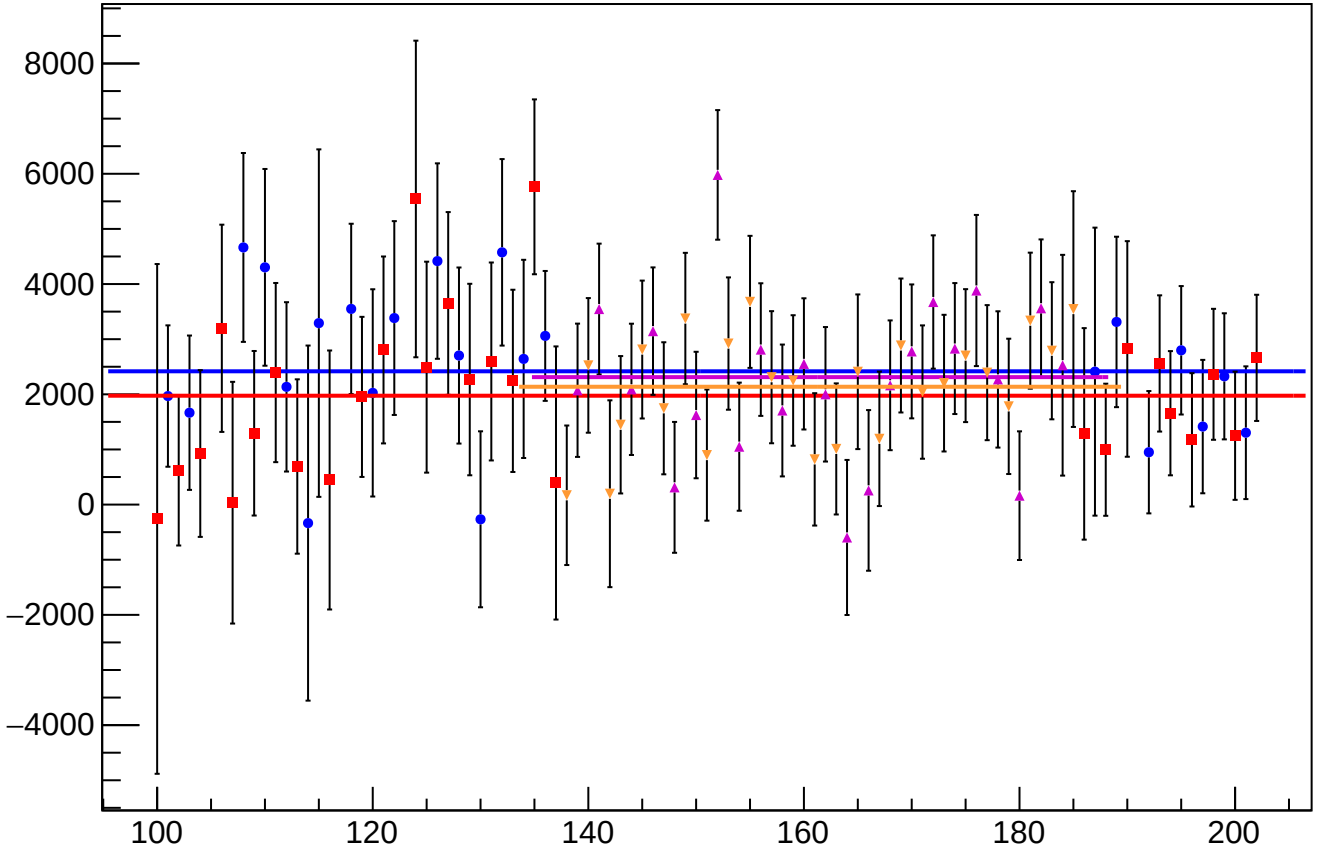
Right: 1938.060+/-0.281 χ^2/NDF: 5400433.4/50

In: 1595.130+/-0.212 χ^2/NDF:4202736.1/45

Out: 1644.782+/-0.209 χ^2/NDF:4709683.4/52

All: 1620.311+/-0.149 χ^2/NDF: 8940265.3/98

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2417.504+/-313.782 χ^2/NDF: 14.8/22

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 1974.624+/-292.988 χ^2/NDF: 16.0/27

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

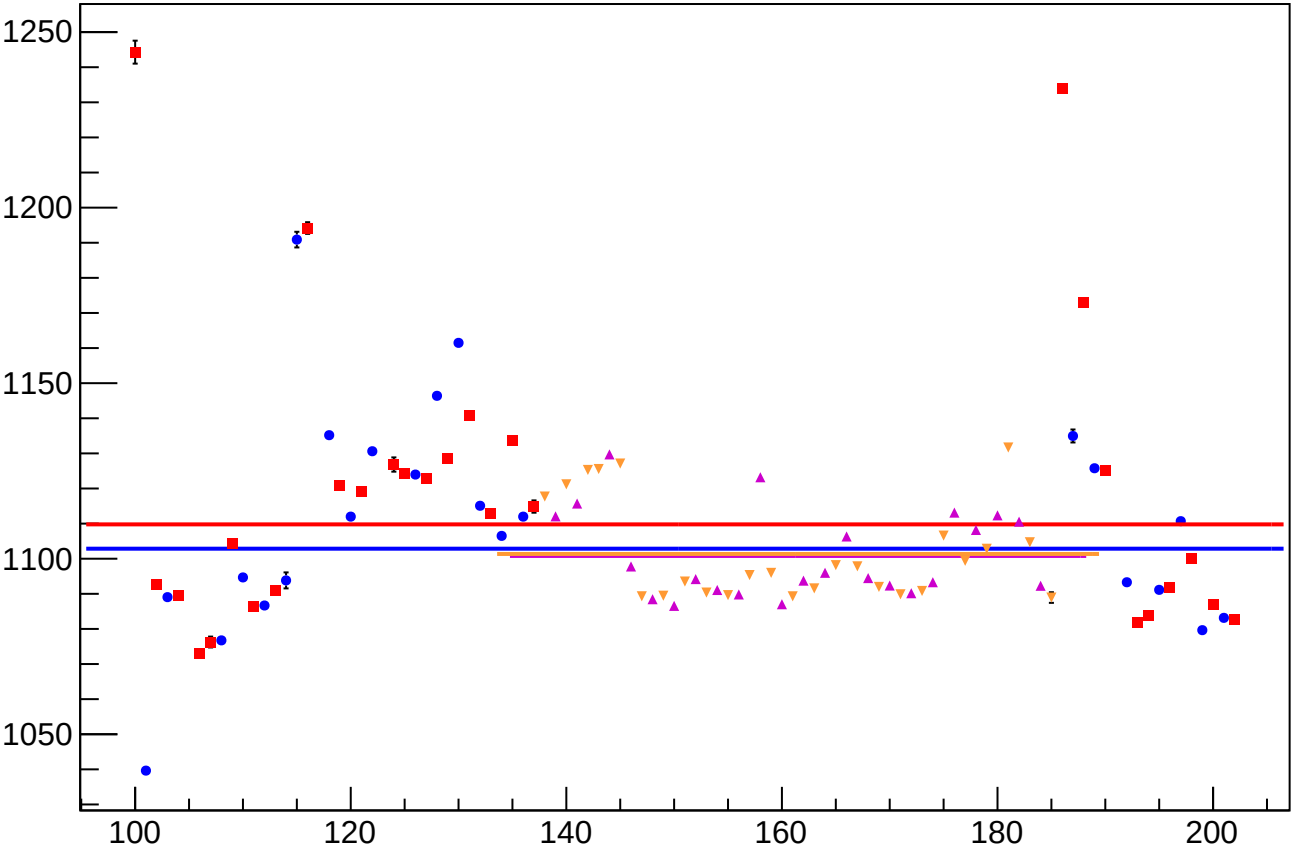
Right: 2180.905+/-214.148 χ^2/NDF: 31.9/50

In: 2354.223+/-198.840 χ^2/NDF:44.8/45

Out: 2068.632+/-190.263 χ^2/NDF:30.2/52

All: 2205.135+/-137.468 χ^2/NDF: 76.0/98

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.855+/-0.222 χ^2/NDF: 16024.3/22

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1109.780+/-0.207 χ^2/NDF: 27344.7/27

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

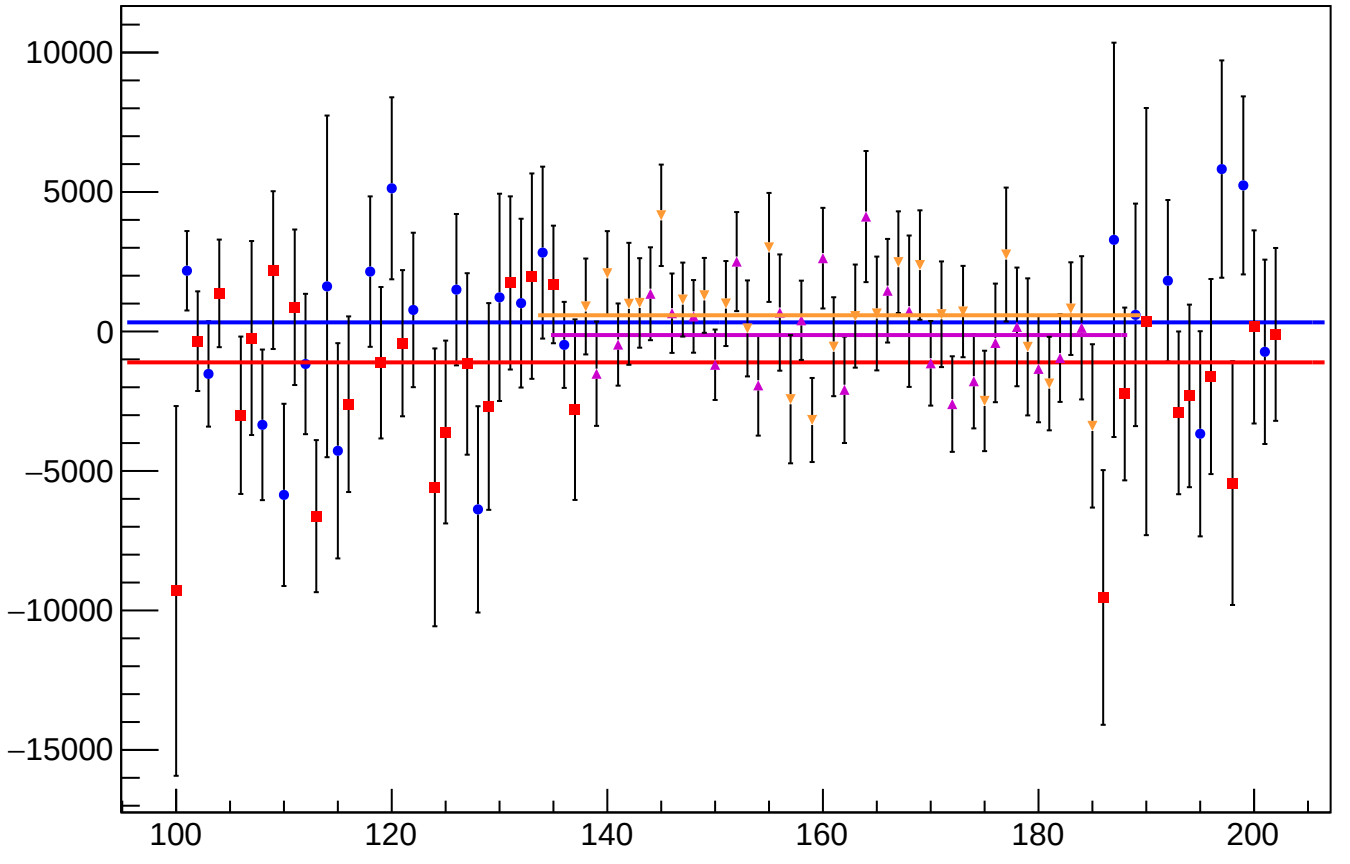
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1106.555+/-0.151 χ^2/NDF: 43889.4/50

In: 1101.621+/-0.141 χ^2/NDF:20717.8/45

Out: 1104.907+/-0.135 χ^2/NDF:34252.1/52

All: 1103.336+/-0.097 χ^2/NDF: 55255.0/98



Right In: 326.502+/-571.003 χ^2/NDF: 23.2/22

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1107.578+/-569.336 χ^2/NDF: 20.6/27

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

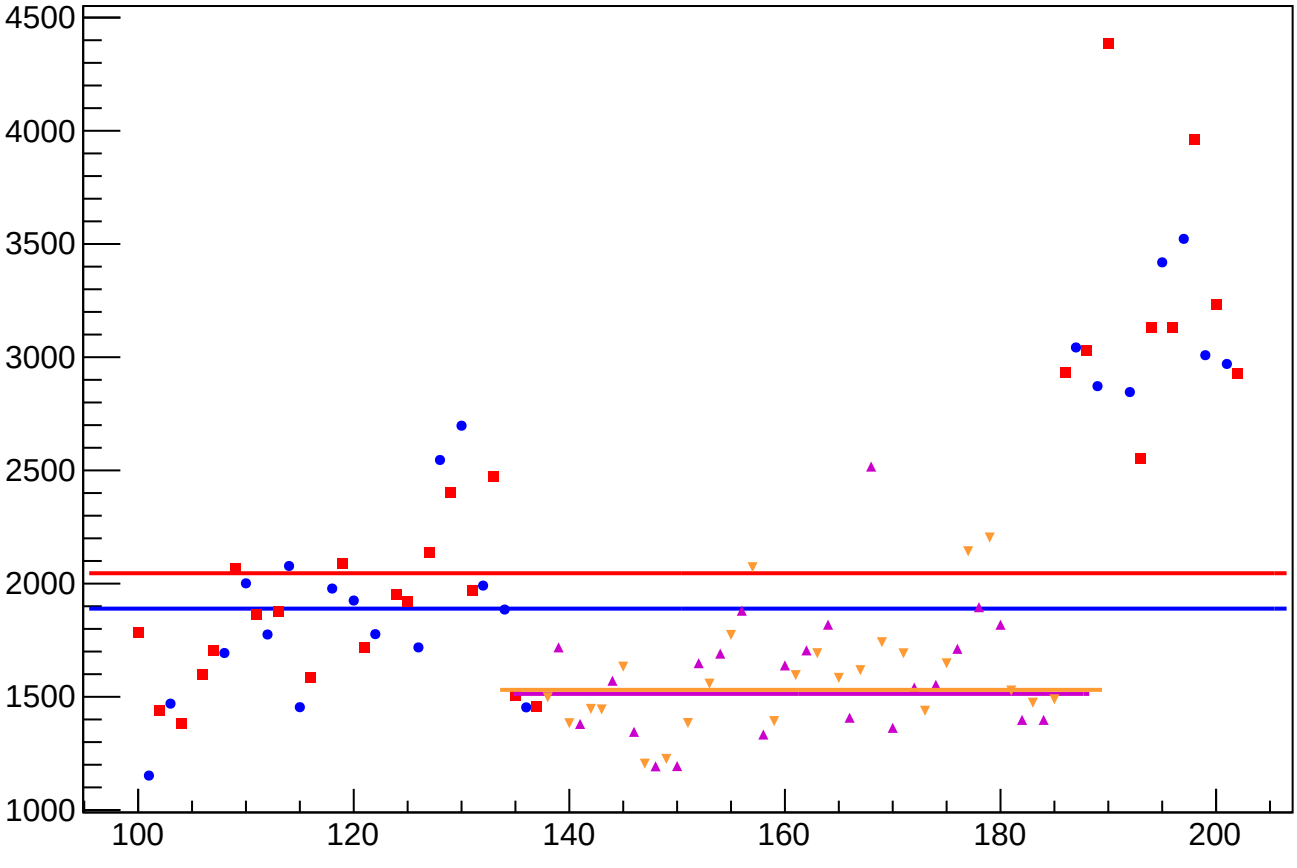
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -392.635+/-403.170 χ^2/NDF: 46.9/50

In: 0.276+/-304.000 χ^2/NDF:41.5/45

Out: 111.680+/-300.251 χ^2/NDF:52.3/52

All: 56.669+/-213.623 χ^2/NDF: 93.9/98



Right In: 1889.543+/-0.404 χ^2/NDF: 2563870.3/22

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2045.854+/-0.403 χ^2/NDF: 2599351.5/27

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

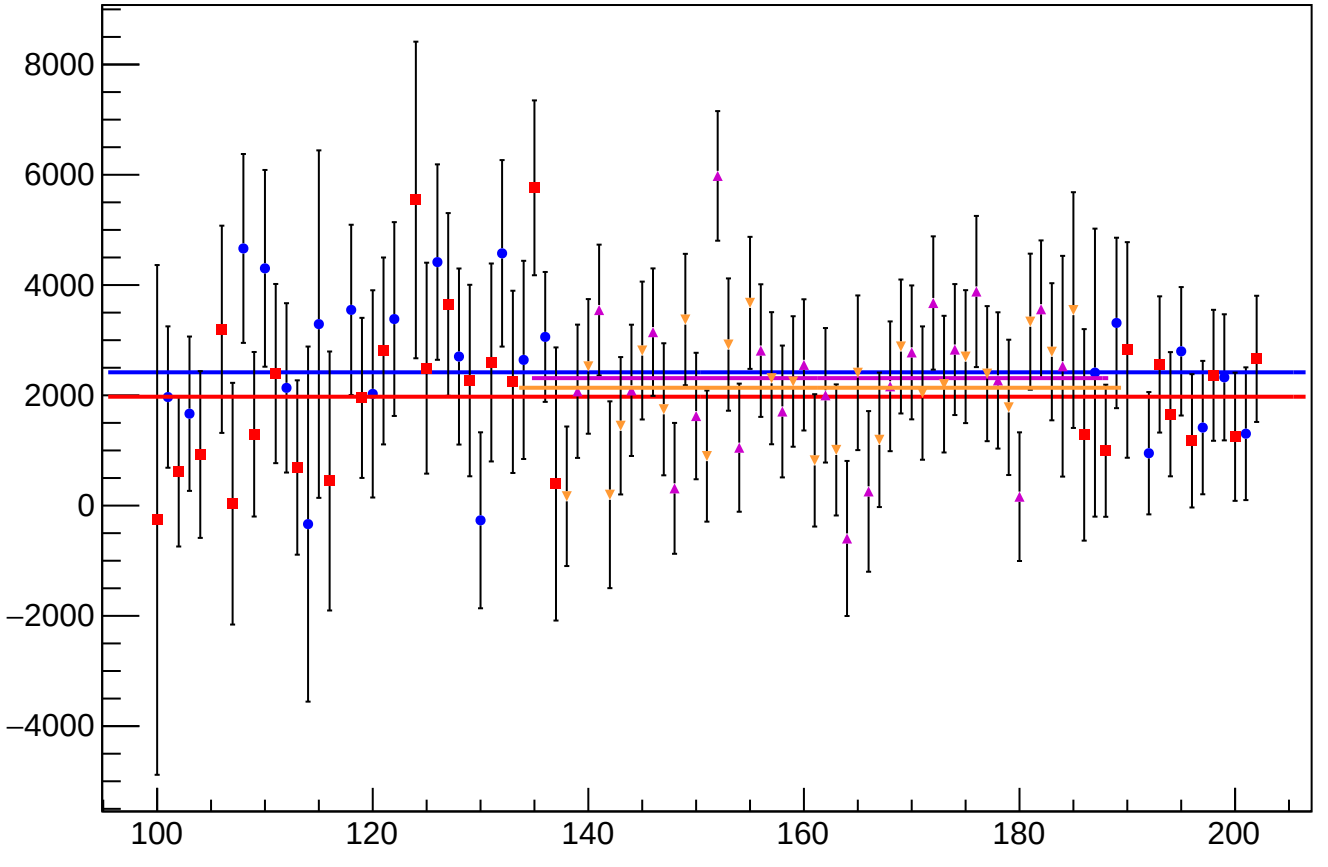
Right: 1967.927+/-0.285 χ^2/NDF: 5238378.8/50

In: 1619.692+/-0.215 χ^2/NDF:4144310.1/45

Out: 1674.021+/-0.212 χ^2/NDF:4576729.6/52

All: 1647.194+/-0.151 χ^2/NDF: 8753375.3/98

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2417.503+/-313.781 χ^2/NDF: 14.8/22

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 1974.622+/-292.988 χ^2/NDF: 16.0/27

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

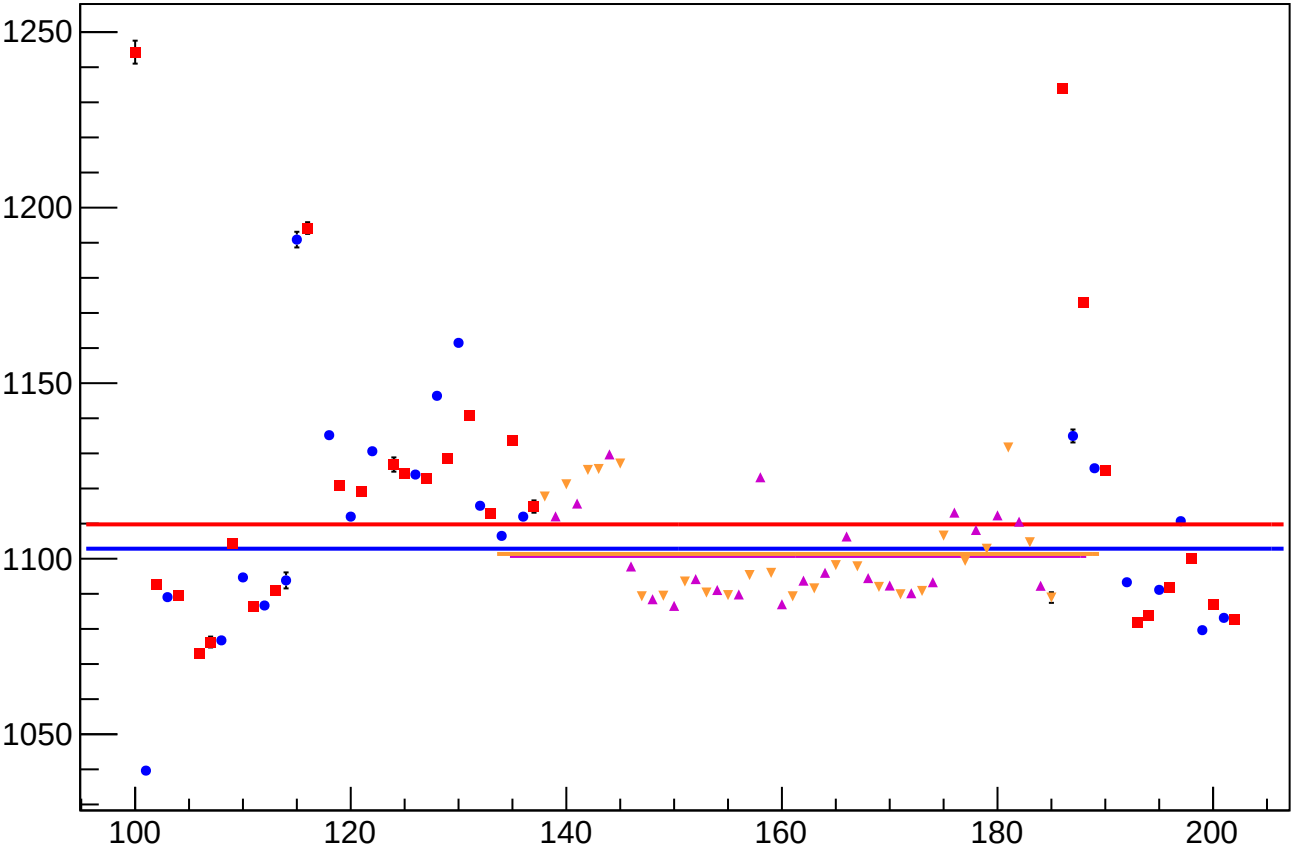
Right: 2180.903+/-214.148 χ^2/NDF: 31.9/50

In: 2354.223+/-198.840 χ^2/NDF:44.8/45

Out: 2068.630+/-190.263 χ^2/NDF:30.2/52

All: 2205.134+/-137.468 χ^2/NDF: 76.0/98

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.855+/-0.222 χ^2/NDF: 16024.2/22

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1109.780+/-0.207 χ^2/NDF: 27344.7/27

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

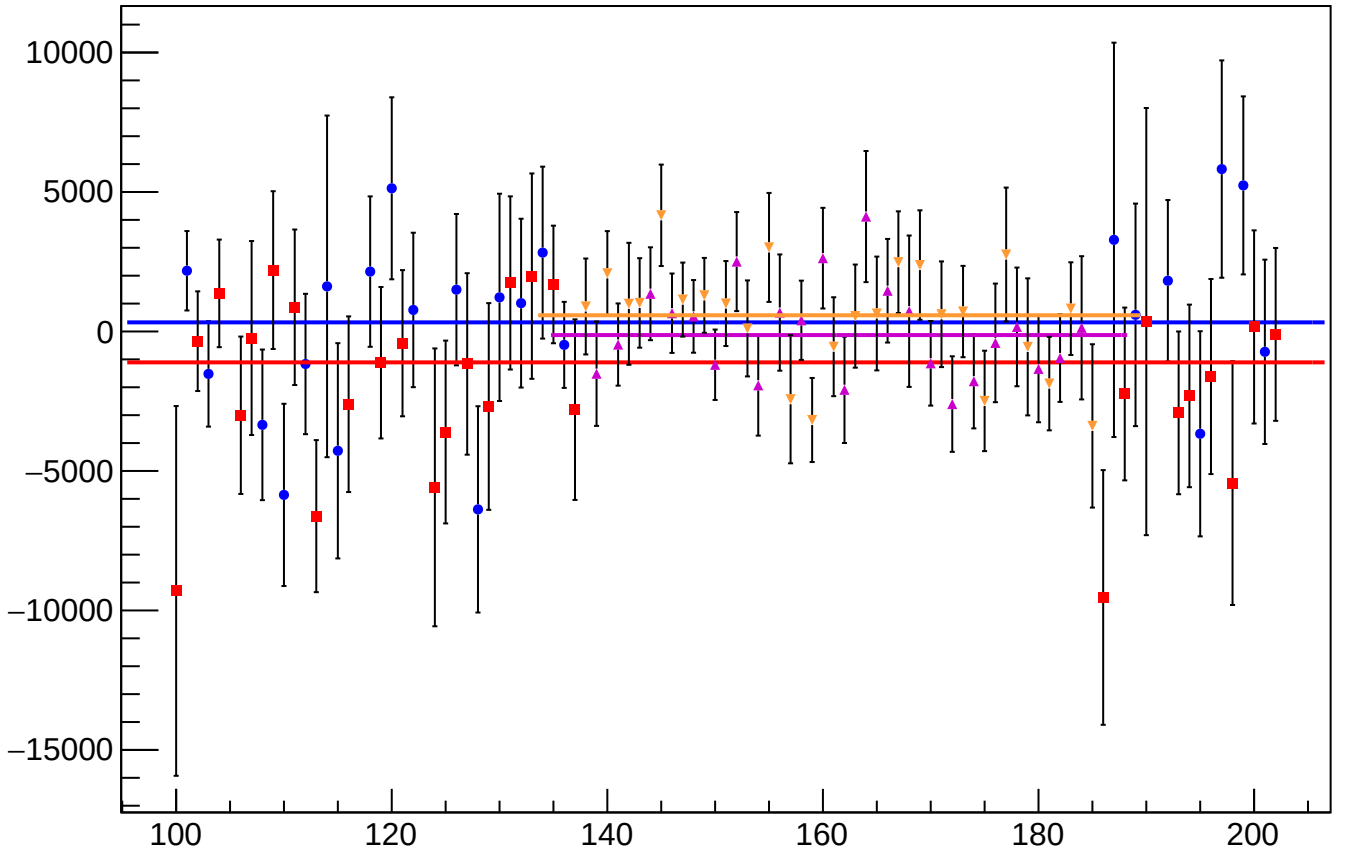
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1106.555+/-0.151 χ^2/NDF: 43889.3/50

In: 1101.621+/-0.141 χ^2/NDF:20717.7/45

Out: 1104.907+/-0.135 χ^2/NDF:34252.0/52

All: 1103.336+/-0.097 χ^2/NDF: 55254.8/98



Right In: 326.498+/-571.003 χ^2/NDF: 23.2/22

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1107.580+/-569.335 χ^2/NDF: 20.6/27

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

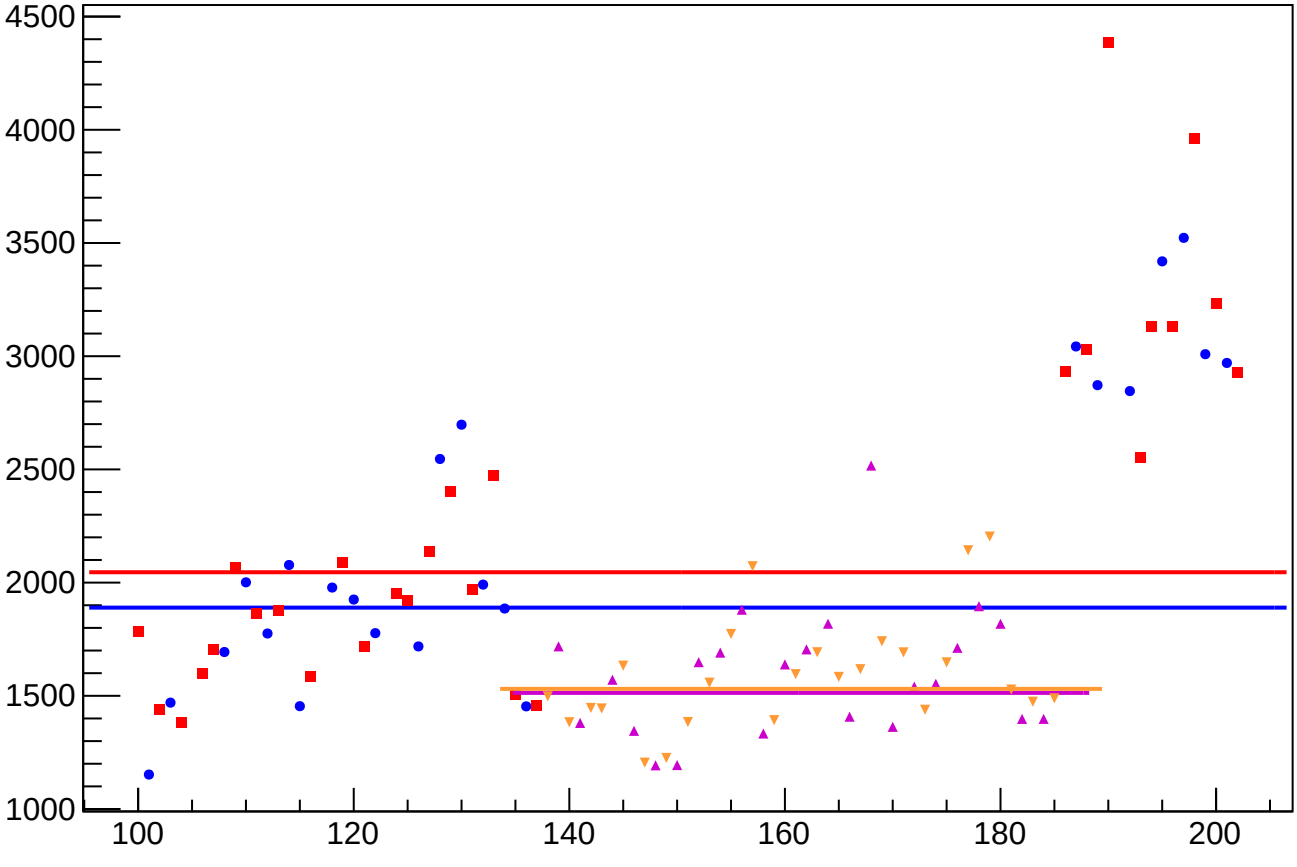
Right: -392.638+/-403.169 χ^2/NDF: 46.9/50

In: 0.275+/-304.001 χ^2/NDF:41.5/45

Out: 111.676+/-300.252 χ^2/NDF:52.3/52

All: 56.667+/-213.623 χ^2/NDF: 93.9/98

asym_usr_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1889.541+/-0.404 χ^2/NDF: 2563868.0/22

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2045.852+/-0.403 χ^2/NDF: 2599345.5/27

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

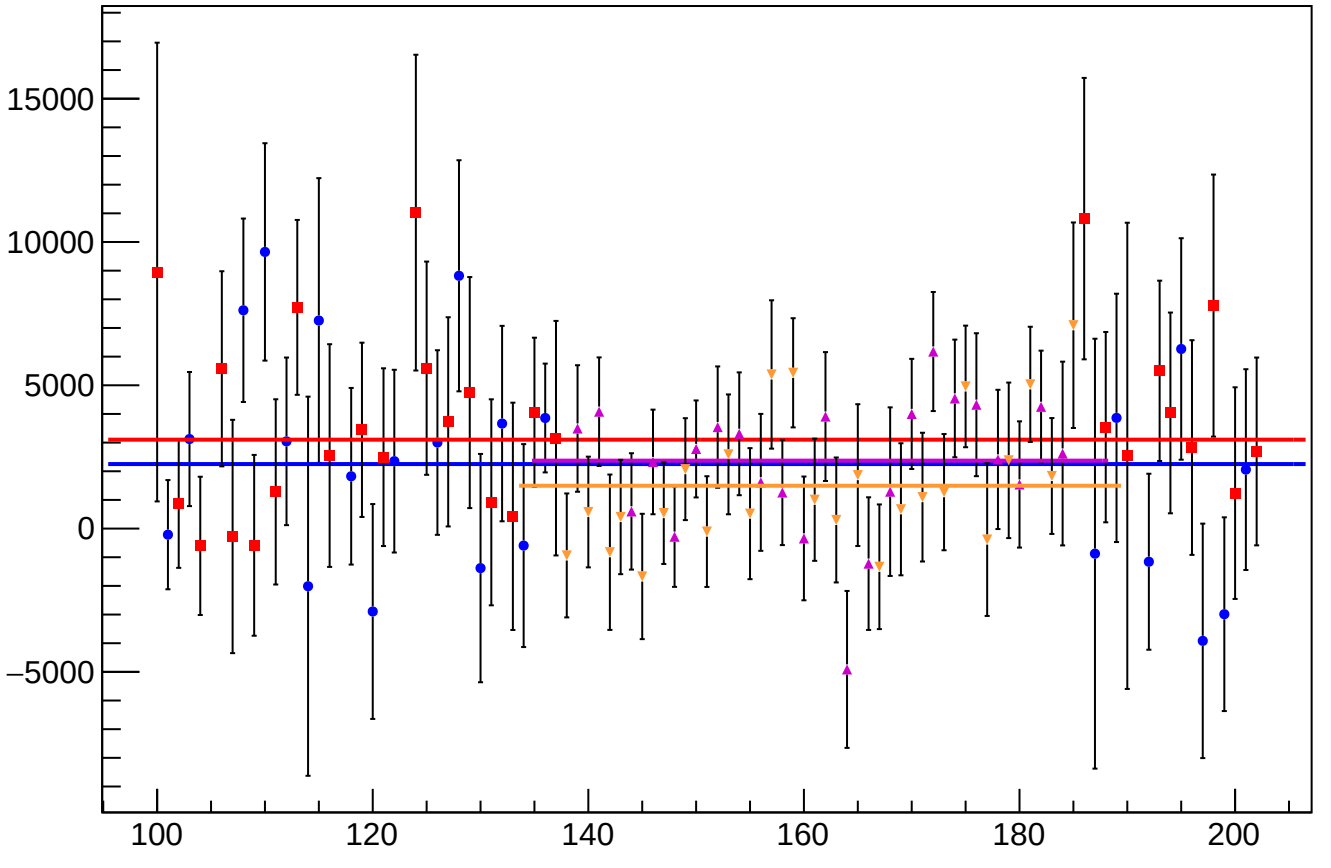
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1967.925+/-0.285 χ^2/NDF: 5238371.1/50

In: 1619.694+/-0.215 χ^2/NDF:4144293.8/45

Out: 1674.024+/-0.212 χ^2/NDF:4576701.7/52

All: 1647.196+/-0.151 χ^2/NDF: 8753331.6/98



Right In: 2251.134+/-671.550 χ^2/NDF: 24.2/22

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3102.367+/-656.422 χ^2/NDF: 17.3/27

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

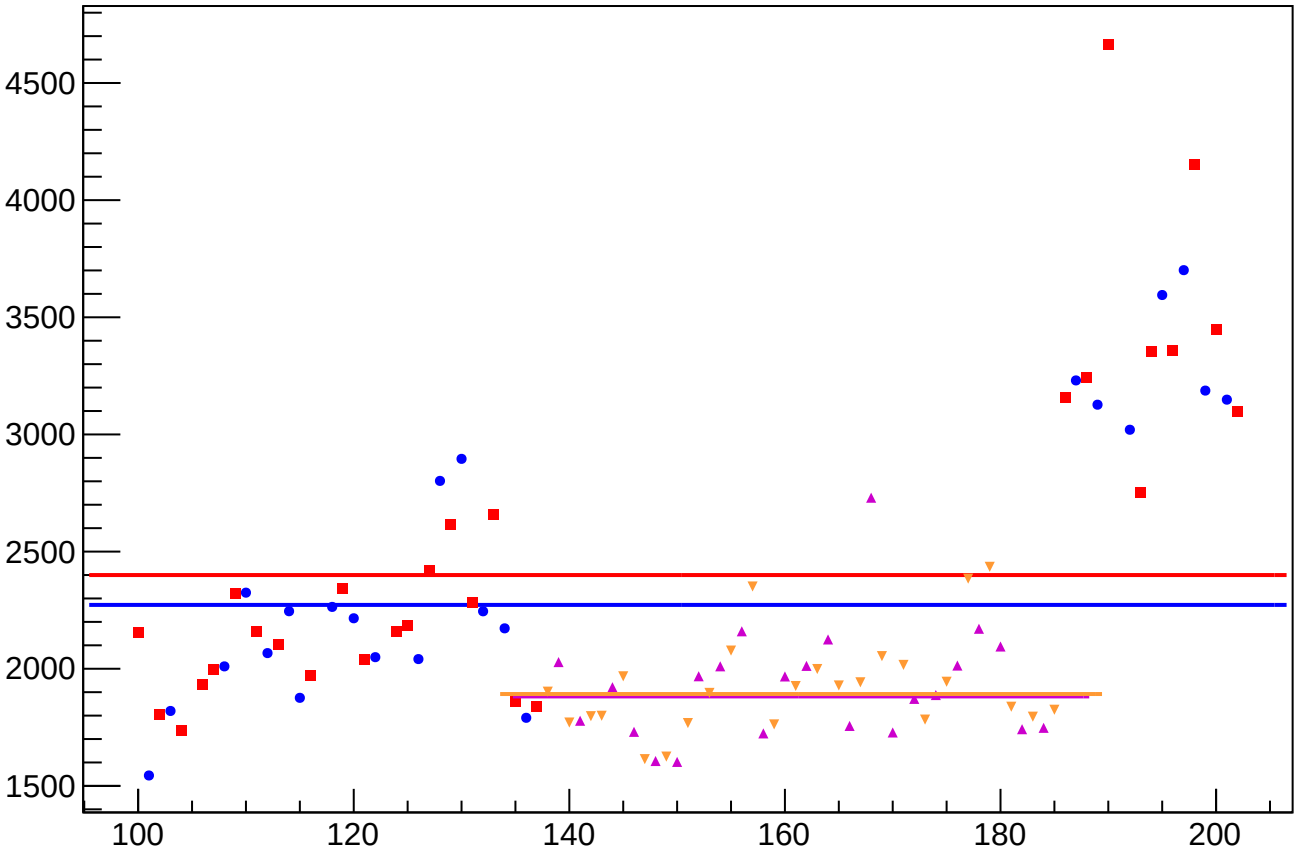
Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

Right: 2686.446+/-469.418 χ^2/NDF: 42.3/50

In: 2334.447+/-369.761 χ^2/NDF:47.9/45

Out: 1982.667+/-361.560 χ^2/NDF:45.2/52

All: 2154.613+/-258.512 χ^2/NDF: 93.6/98



Right In: 2272.467+/-0.475 χ^2/NDF: 1616664.5/22

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2399.895+/-0.464 χ^2/NDF: 1768056.7/27

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

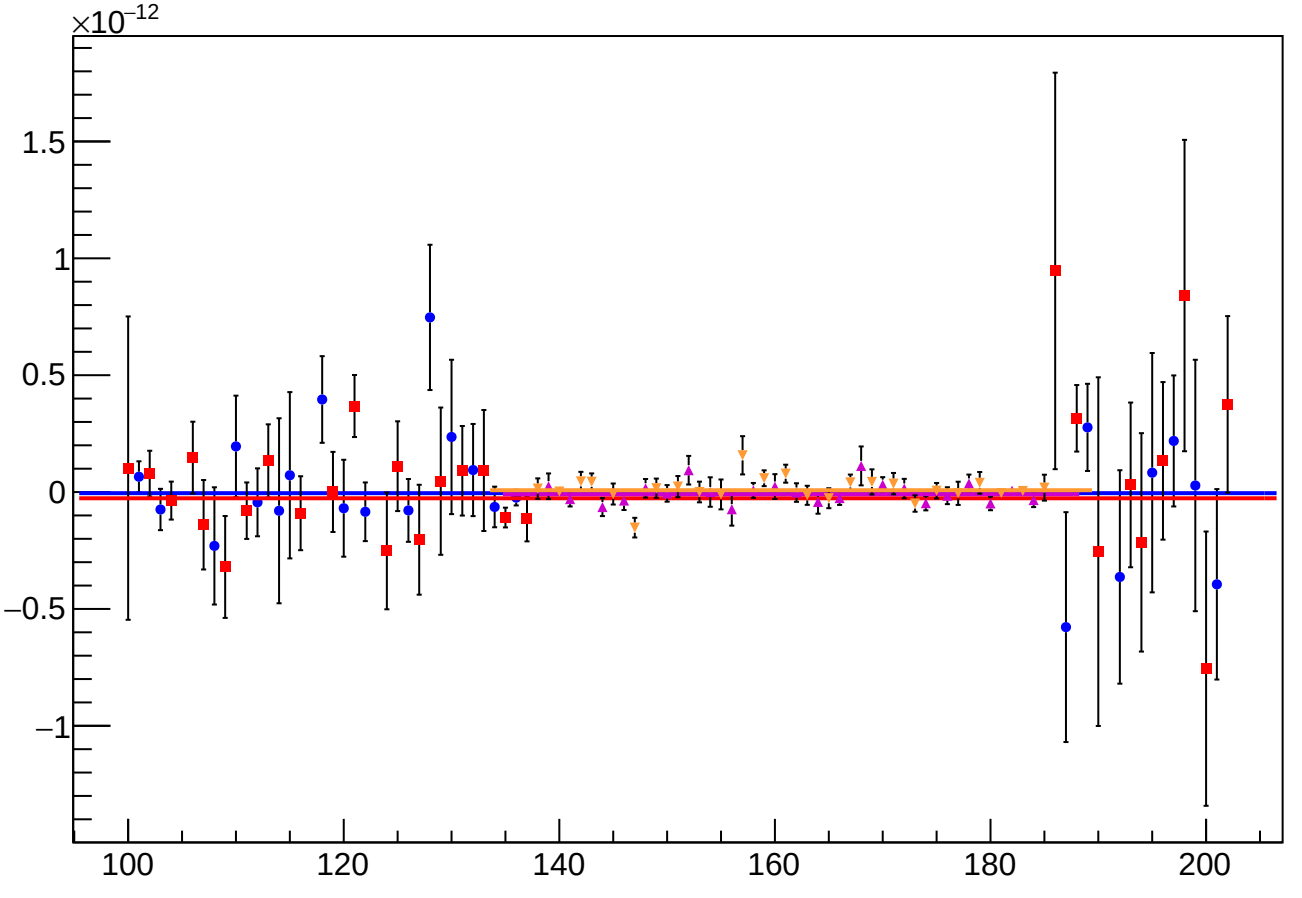
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2337.633+/-0.332 χ^2/NDF: 3421547.6/50

In: 2000.302+/-0.261 χ^2/NDF:2550746.5/45

Out: 2046.169+/-0.256 χ^2/NDF:2991395.2/52

All: 2023.750+/-0.183 χ^2/NDF: 5557874.3/98



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/27

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

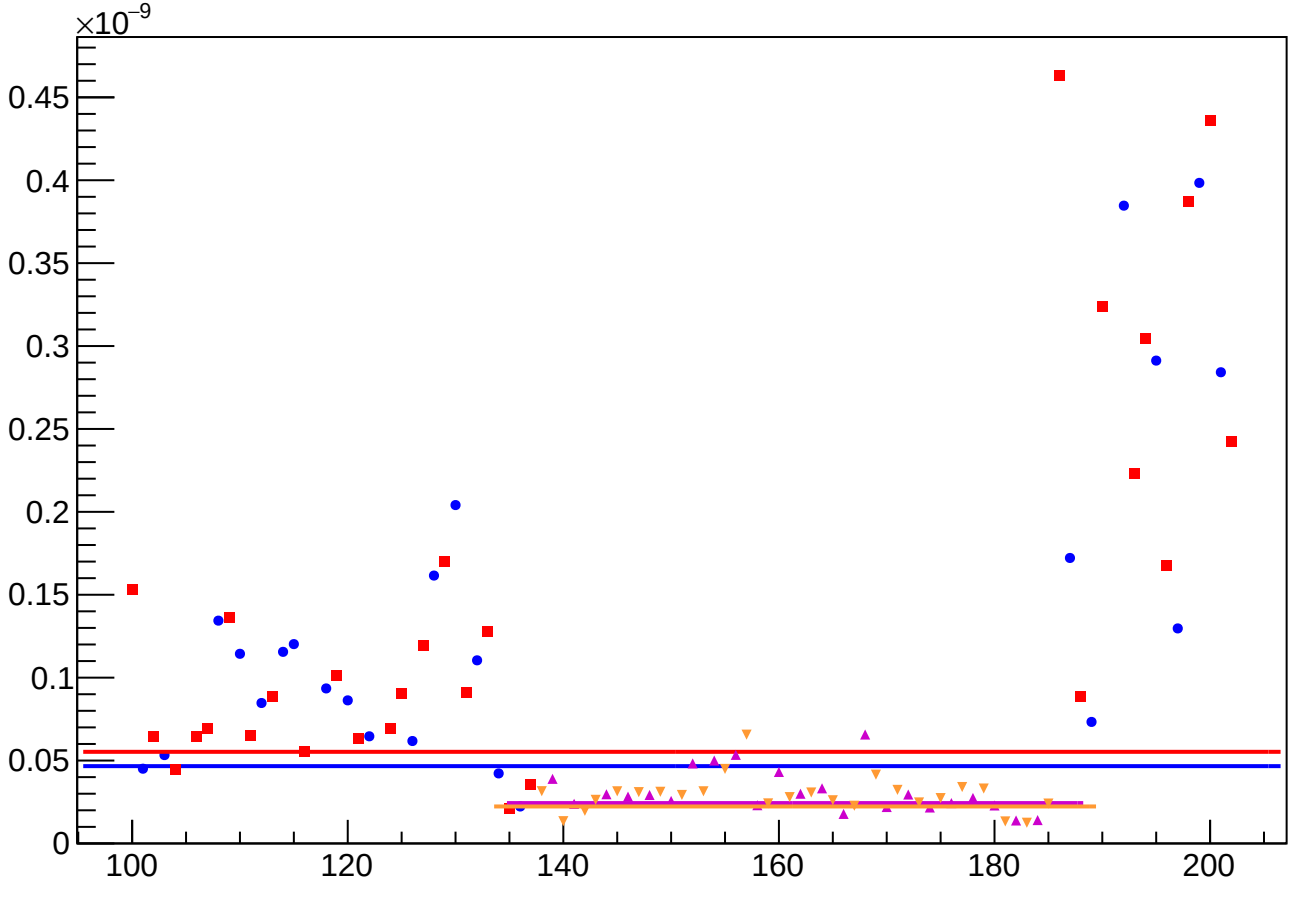
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 56.8/50

In: -0.000+/-0.000 χ^2/NDF:41.4/45

Out: 0.000+/-0.000 χ^2/NDF:68.1/52

All: -0.000+/-0.000 χ^2/NDF: 111.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 6436073.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6642640.8/27

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

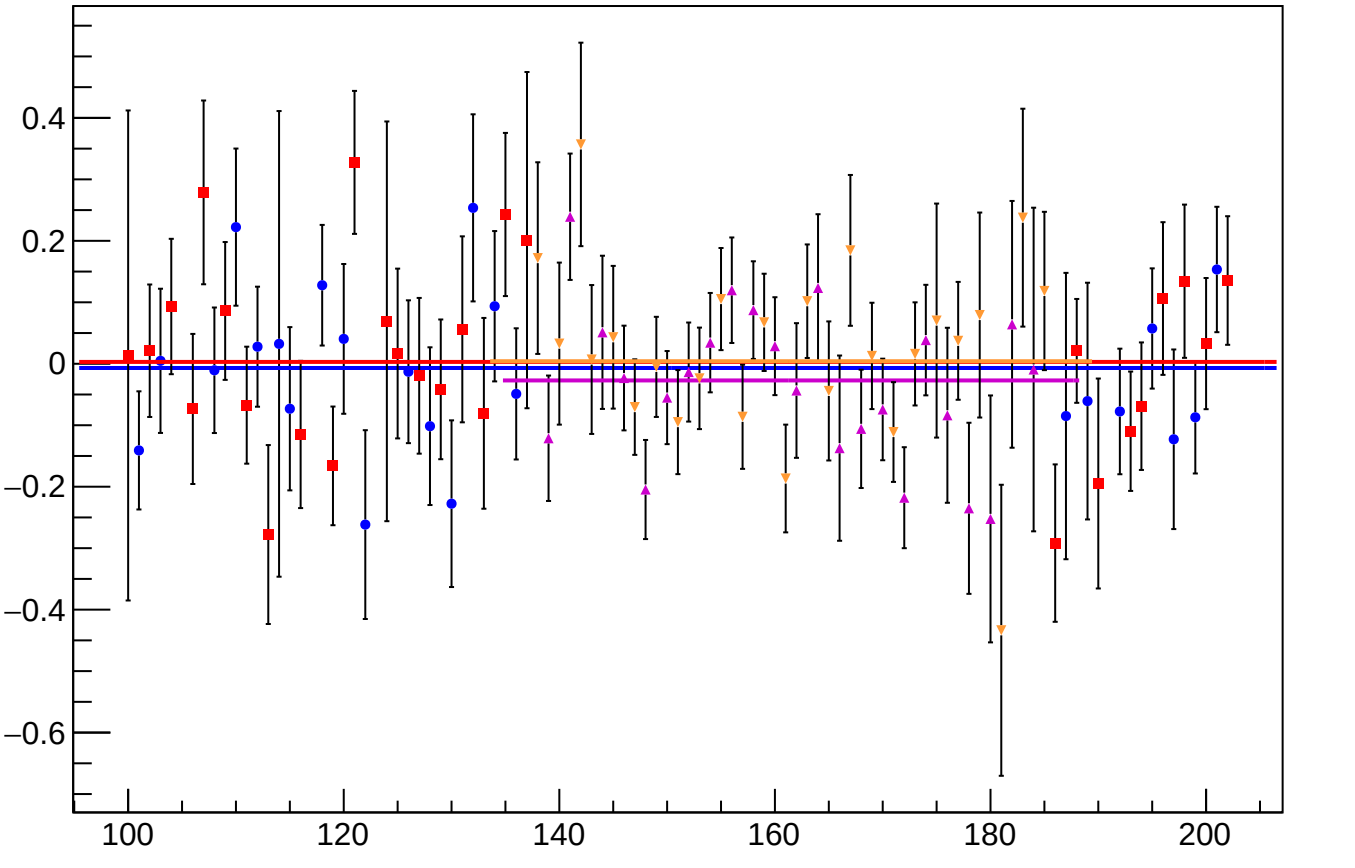
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13197448.7/50

In: 0.000+/-0.000 χ^2/NDF:11150292.7/45

Out: 0.000+/-0.000 χ^2/NDF:13231295.6/52

All: 0.000+/-0.000 χ^2/NDF: 24458787.5/98



Right In: -0.007+/-0.025 χ^2/NDF: 22.3/22

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.003+/-0.023 χ^2/NDF: 37.6/27

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

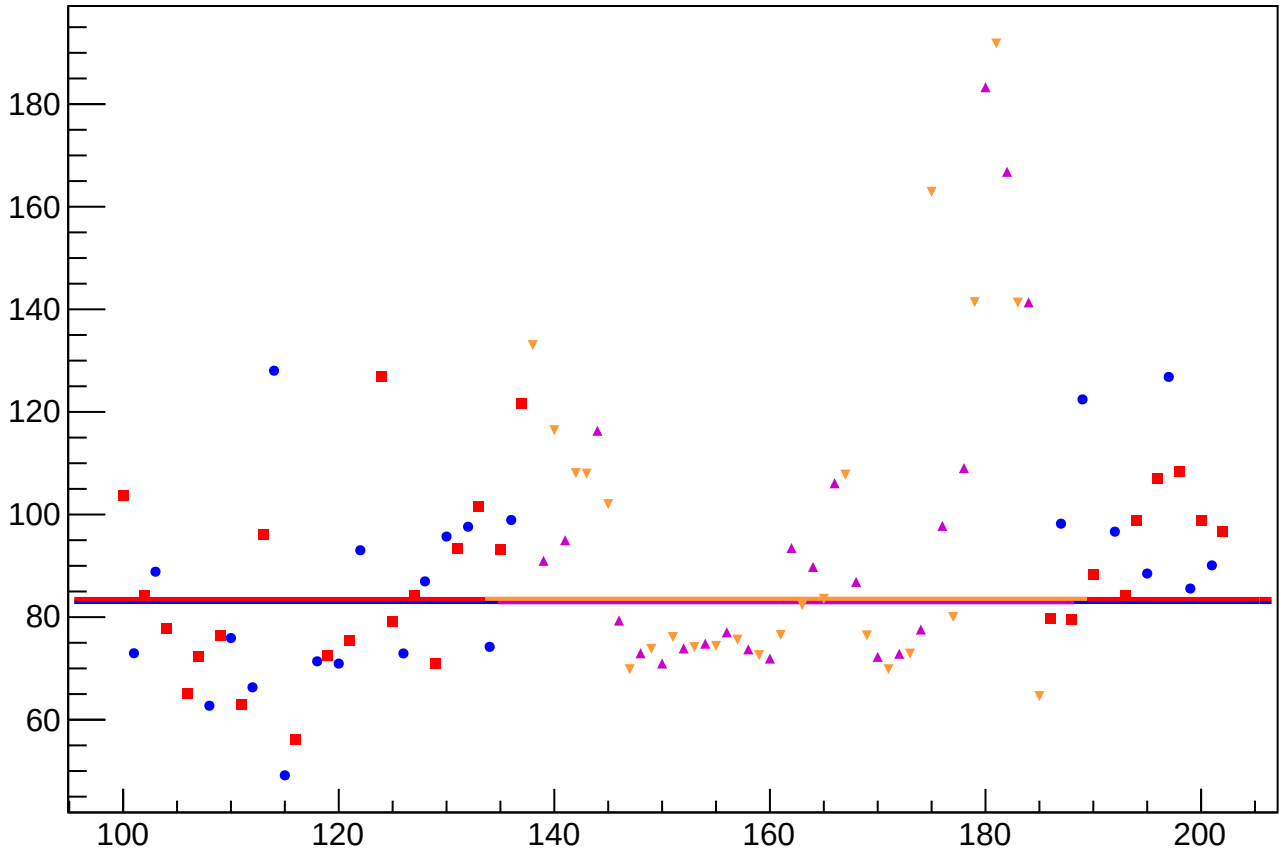
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.002+/-0.017 χ^2/NDF: 59.9/50

In: -0.019+/-0.016 χ^2/NDF:54.6/45

Out: 0.004+/-0.015 χ^2/NDF:65.8/52

All: -0.007+/-0.011 χ^2/NDF: 121.4/98



Right In: 82.947+/-0.018 χ^2/NDF: 818056.6/22

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.550+/-0.016 χ^2/NDF: 744403.8/27

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

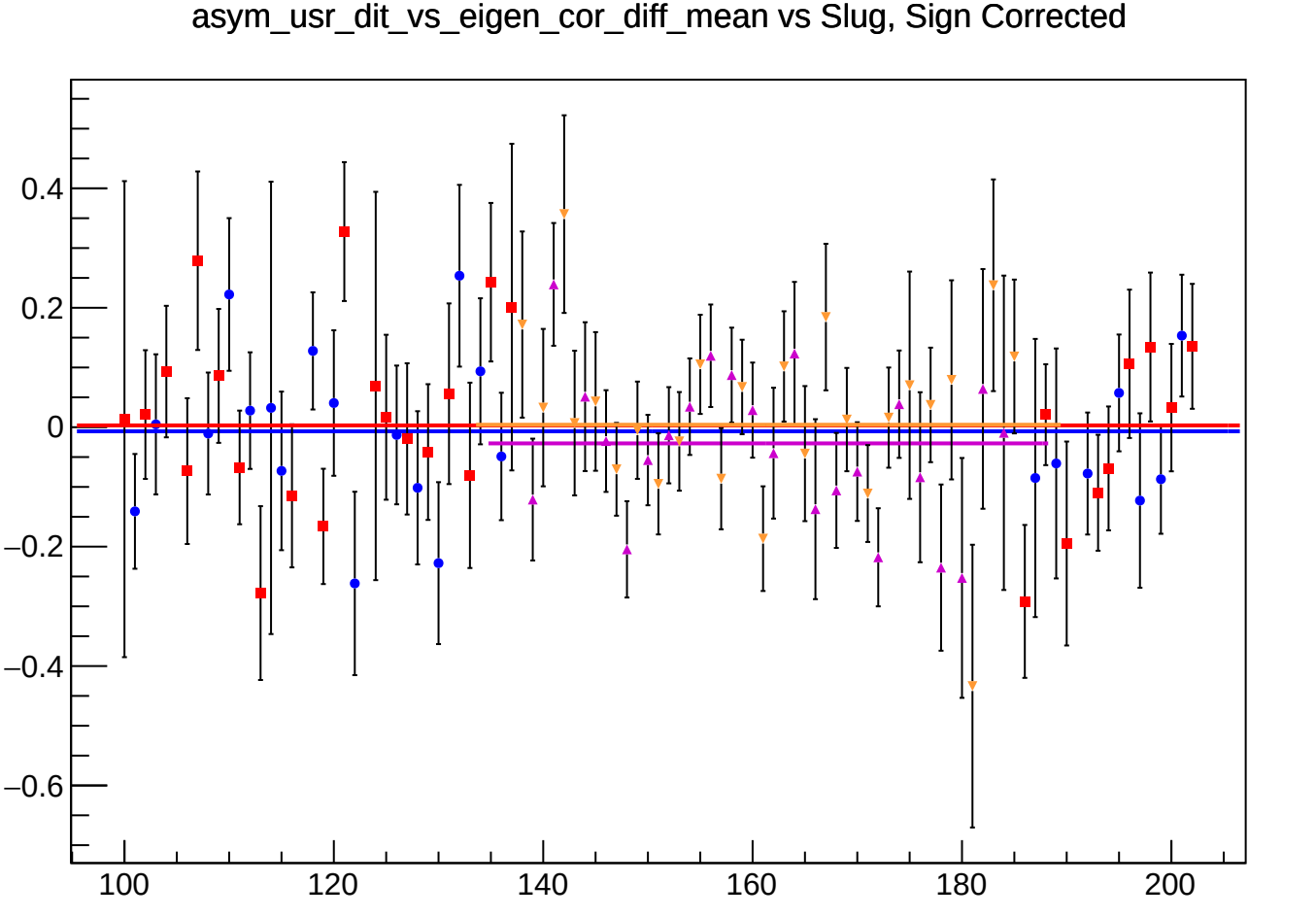
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

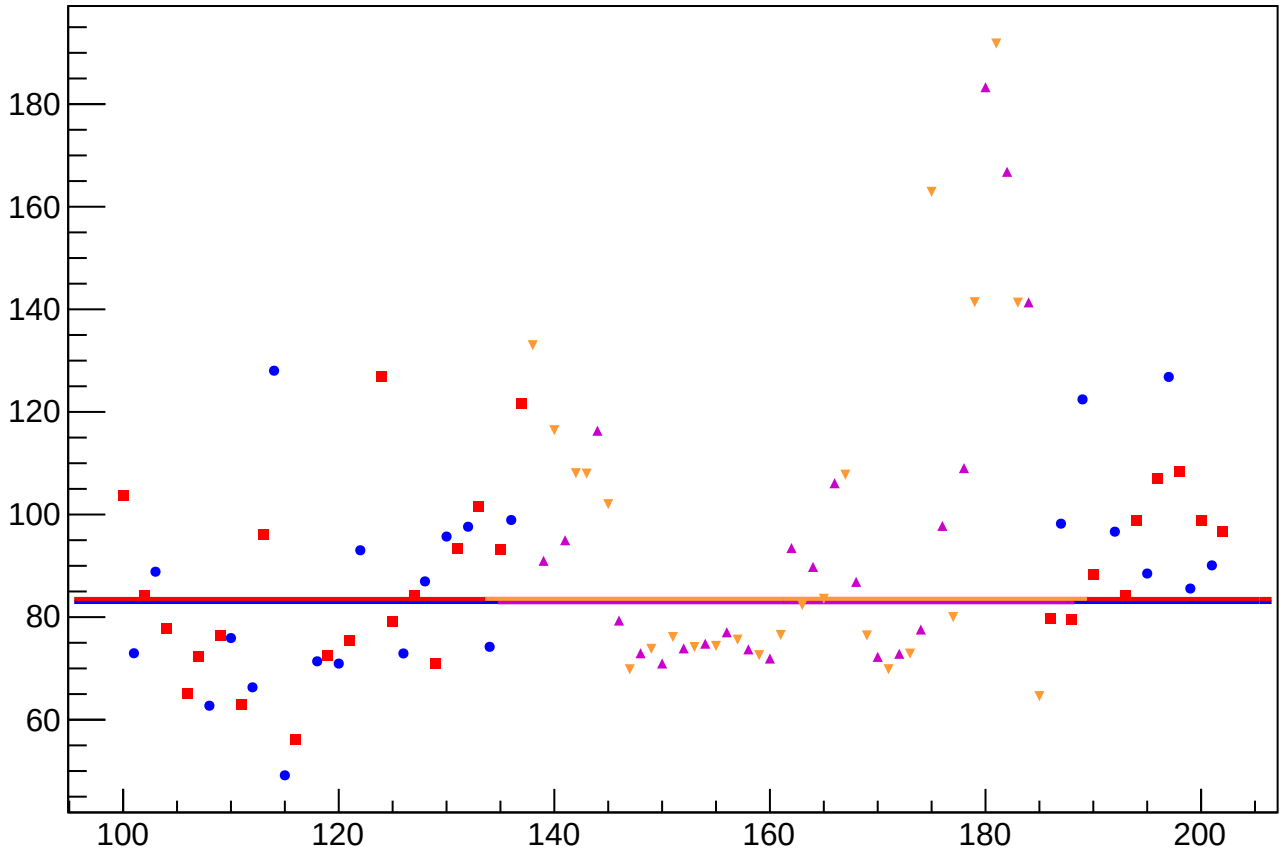
Right: 83.271+/-0.012 χ^2/NDF: 1563093.0/50

In: 82.913+/-0.011 χ^2/NDF:2391065.8/45

Out: 83.558+/-0.011 χ^2/NDF:2917335.6/52

All: 83.248+/-0.008 χ^2/NDF: 5310121.7/98


asym_usr_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.007+/-0.025 χ²/NDF: 22.3/22
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: 0.003+/-0.023 χ²/NDF: 37.6/27
Left In: -0.027+/-0.021 χ²/NDF:32.0/22
Left: -0.011+/-0.014 χ²/NDF: 61.3/47
Right: -0.002+/-0.017 χ²/NDF: 59.9/50
In: -0.019+/-0.016 χ²/NDF:54.6/45
Out: 0.004+/-0.015 χ²/NDF:65.8/52
All: -0.007+/-0.011 χ²/NDF: 121.4/98



Right In: 82.947+/-0.018 χ^2/NDF: 818056.6/22

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.550+/-0.016 χ^2/NDF: 744403.8/27

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

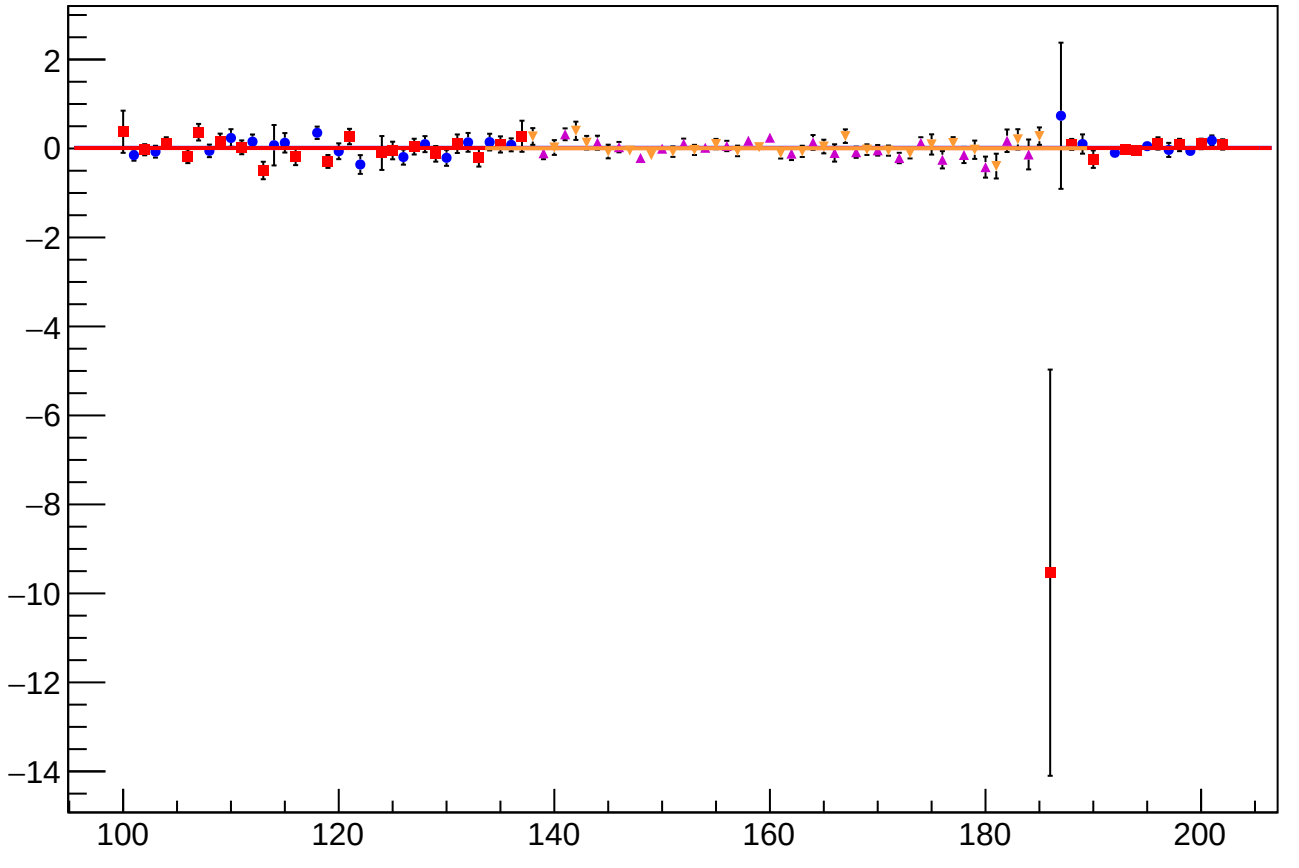
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 83.271+/-0.012 χ^2/NDF: 1563093.0/50

In: 82.913+/-0.011 χ^2/NDF:2391065.8/45

Out: 83.558+/-0.011 χ^2/NDF:2917335.6/52

All: 83.248+/-0.008 χ^2/NDF: 5310121.7/98



Right In: 0.015+/-0.032 χ^2/NDF: 22.2/22

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.010+/-0.030 χ^2/NDF: 32.8/27

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

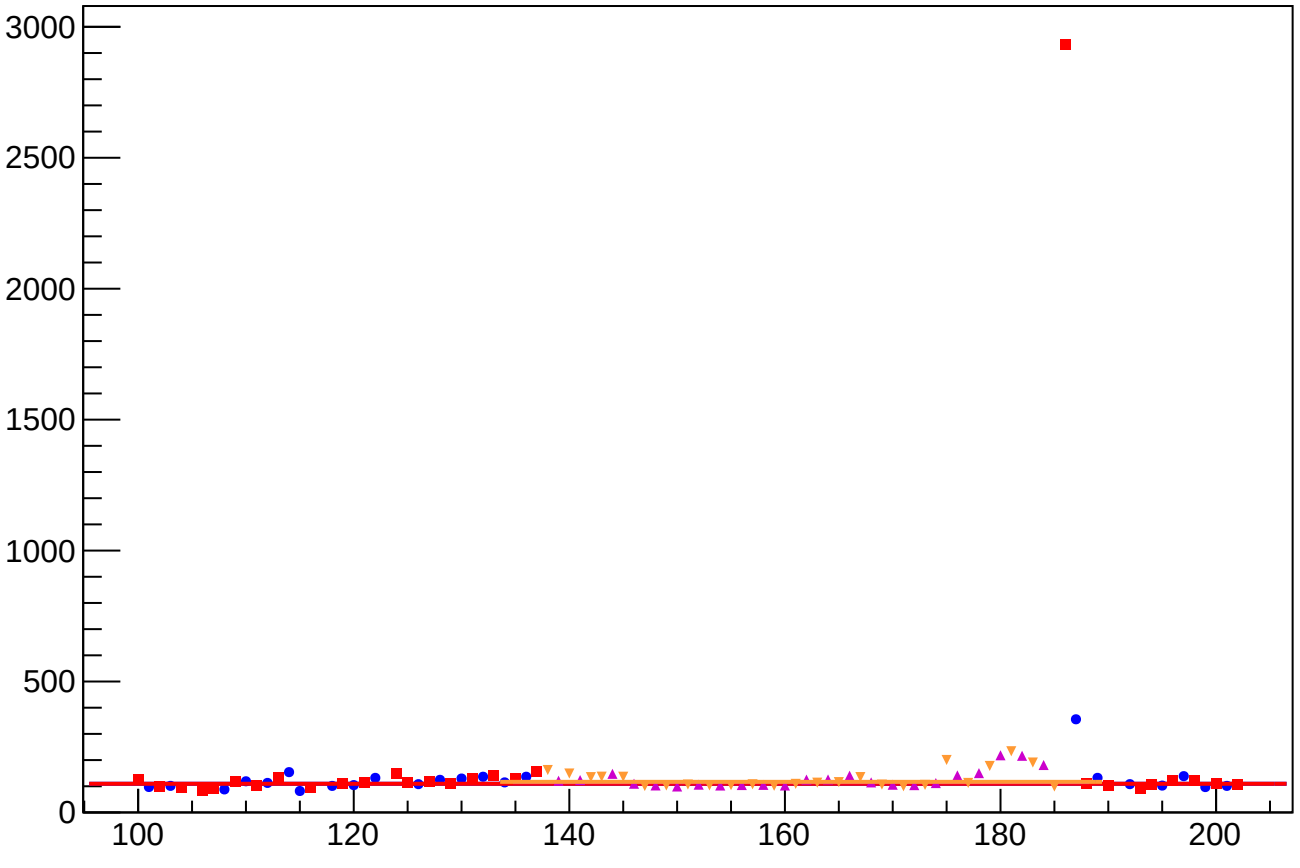
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: 0.012+/-0.022 χ^2/NDF: 55.0/50

In: 0.012+/-0.021 χ^2/NDF:53.5/45

Out: 0.008+/-0.020 χ^2/NDF:54.1/52

All: 0.010+/-0.015 χ^2/NDF: 107.6/98



Right In: 109.467+/-0.023 χ^2/NDF: 483275.2/22

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 109.520+/-0.021 χ^2/NDF: 1171485.2/27

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

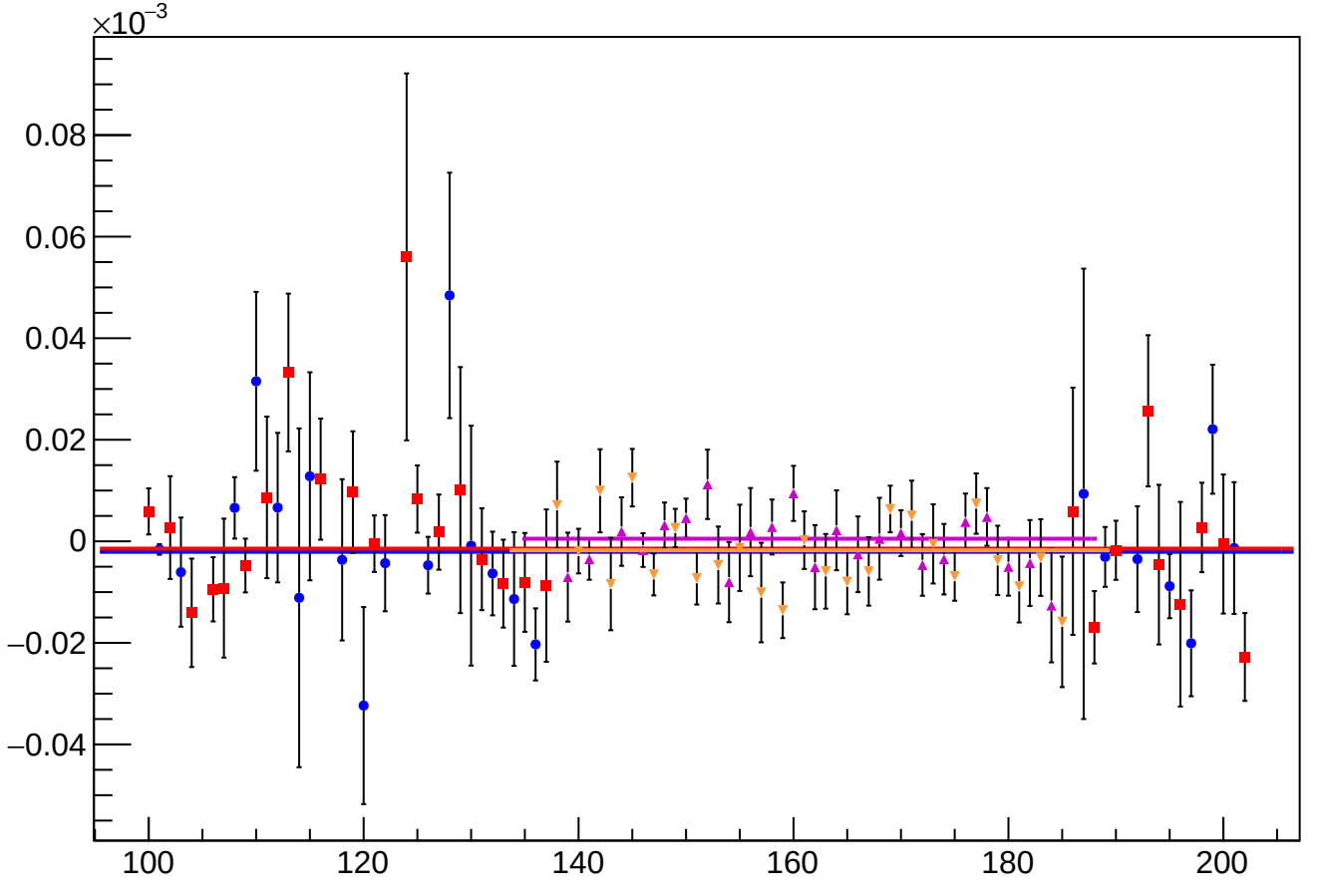
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 109.496+/-0.016 χ^2/NDF: 1654763.2/50

In: 113.114+/-0.015 χ^2/NDF:1758860.5/45

Out: 113.512+/-0.014 χ^2/NDF:2832748.4/52

All: 113.321+/-0.010 χ^2/NDF: 4591971.3/98



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/27

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

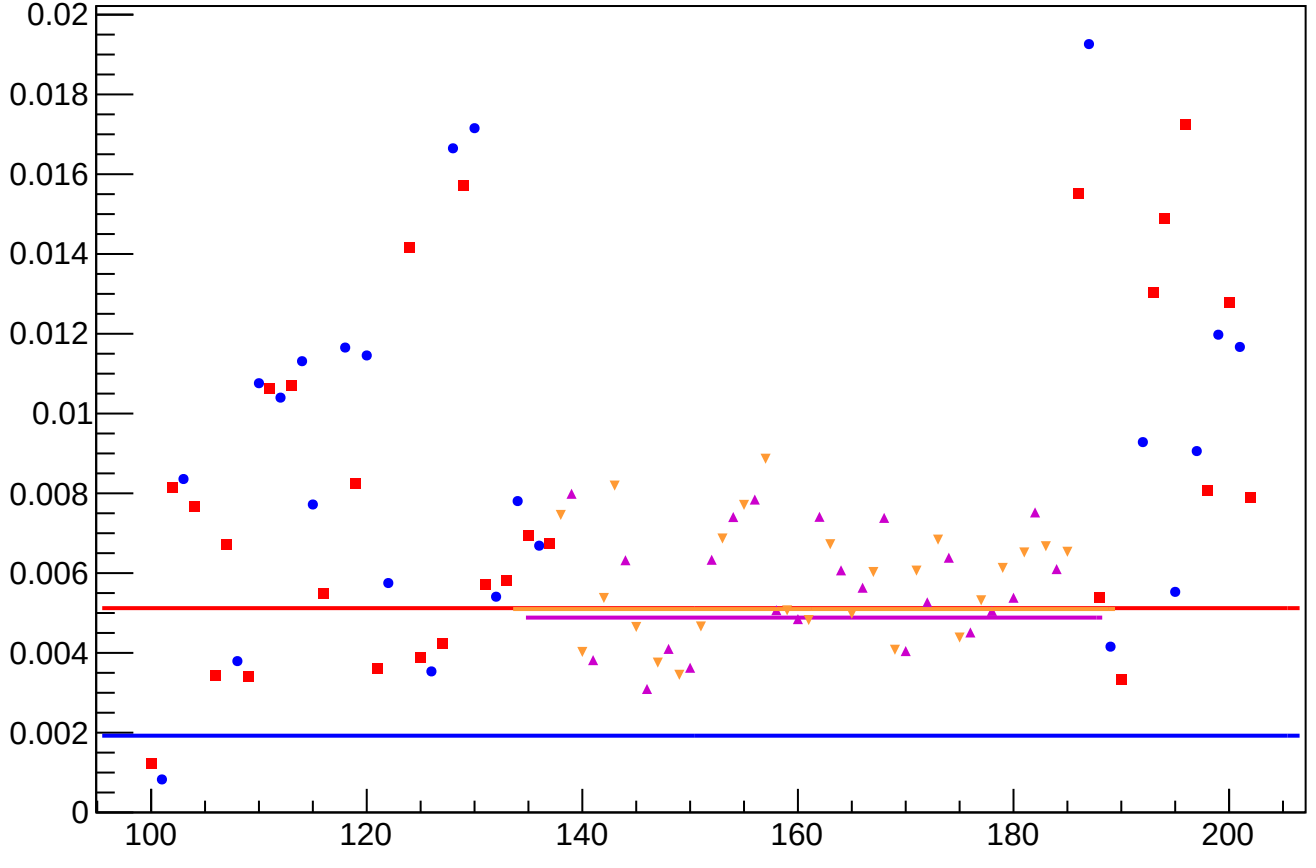
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 64.8/50

In: -0.000+/-0.000 χ^2/NDF:47.8/45

Out: -0.000+/-0.000 χ^2/NDF:66.5/52

All: -0.000+/-0.000 χ^2/NDF: 114.5/98



Right In: 0.002+/-0.000 χ^2/NDF: 15112205.8/22

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7330522.9/27

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

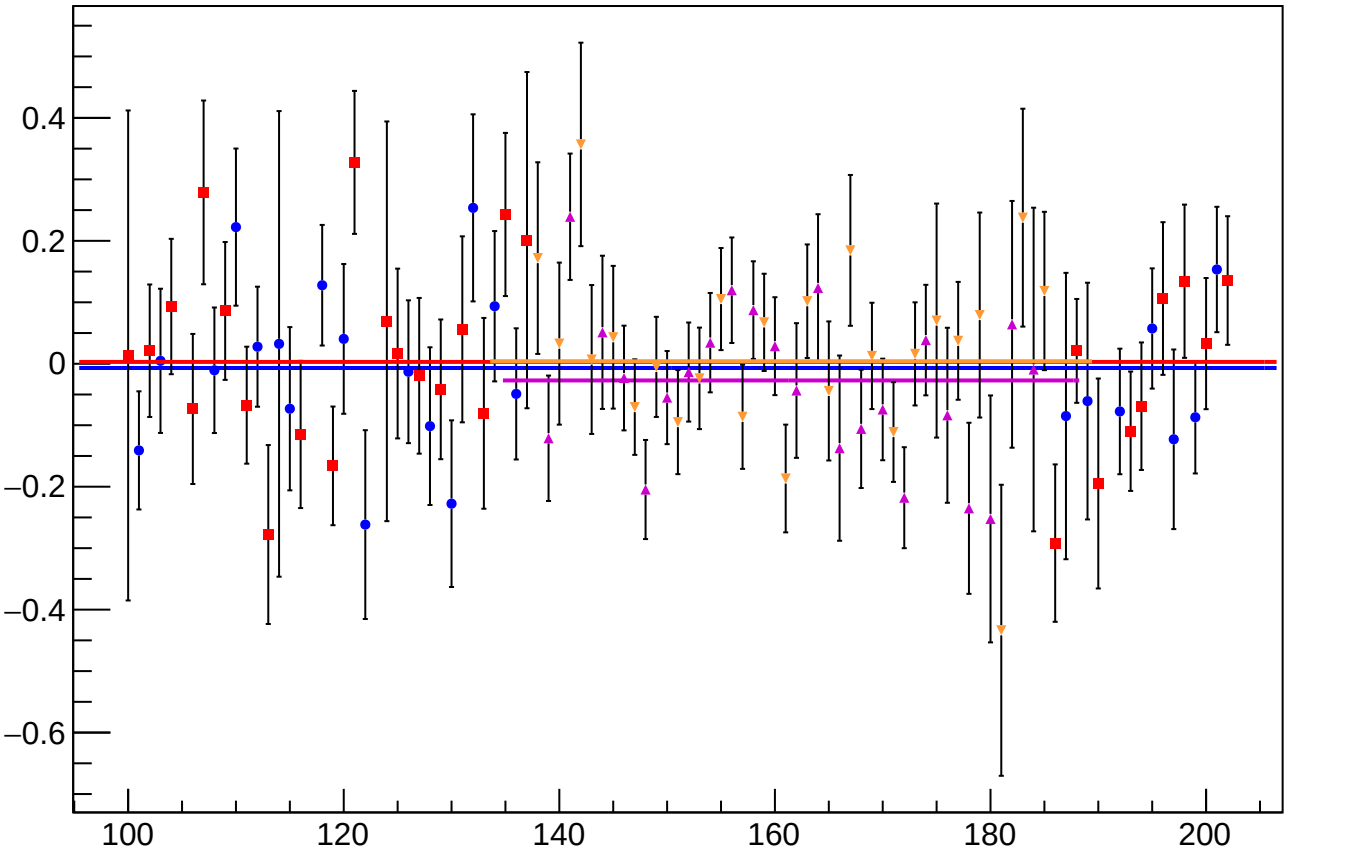
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 28075234.2/50

In: 0.003+/-0.000 χ^2/NDF:25443063.9/45

Out: 0.005+/-0.000 χ^2/NDF:9709419.7/52

All: 0.004+/-0.000 χ^2/NDF: 40792671.5/98



Right In: -0.007+/-0.025 χ^2/NDF: 22.3/22

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.003+/-0.023 χ^2/NDF: 37.6/27

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

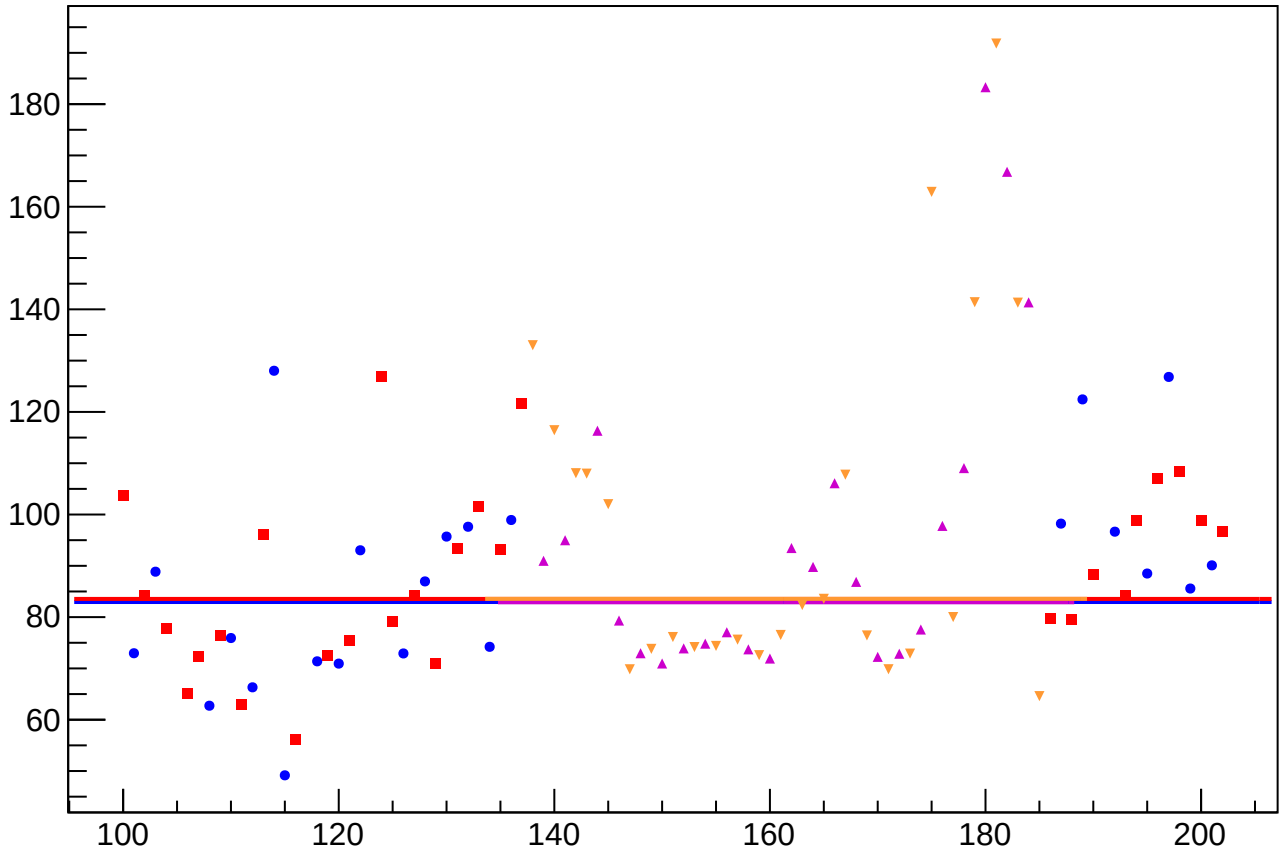
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.002+/-0.017 χ^2/NDF: 59.9/50

In: -0.019+/-0.016 χ^2/NDF:54.6/45

Out: 0.004+/-0.015 χ^2/NDF:65.8/52

All: -0.007+/-0.011 χ^2/NDF: 121.4/98



Right In: 82.945+/-0.018 χ^2/NDF: 818081.3/22

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.549+/-0.016 χ^2/NDF: 744408.8/27

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

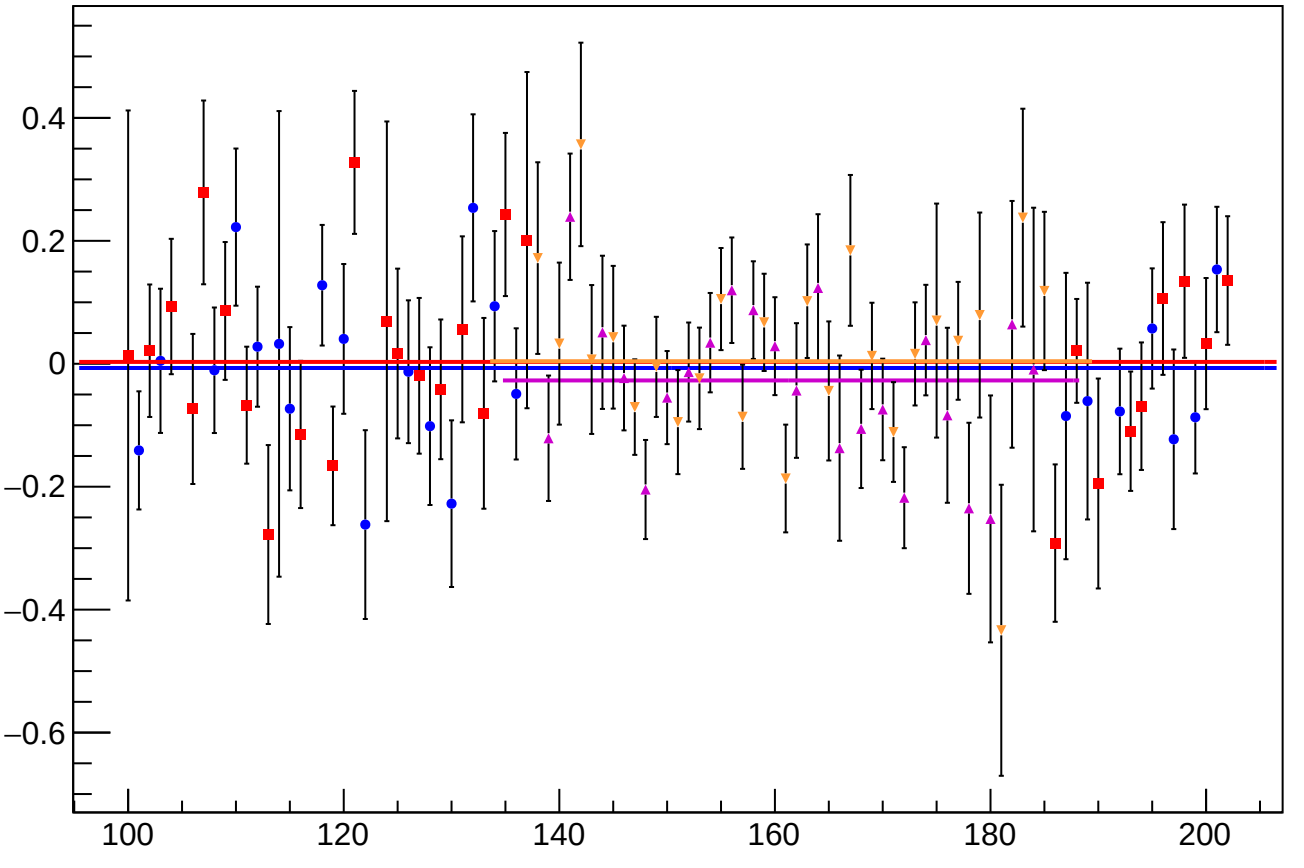
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 83.270+/-0.012 χ^2/NDF: 1563122.2/50

In: 82.913+/-0.011 χ^2/NDF:2391068.0/45

Out: 83.558+/-0.011 χ^2/NDF:2917330.4/52

All: 83.248+/-0.008 χ^2/NDF: 5310118.5/98



Right In: -0.007+/-0.025 χ^2/NDF: 22.3/22

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.003+/-0.023 χ^2/NDF: 37.6/27

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

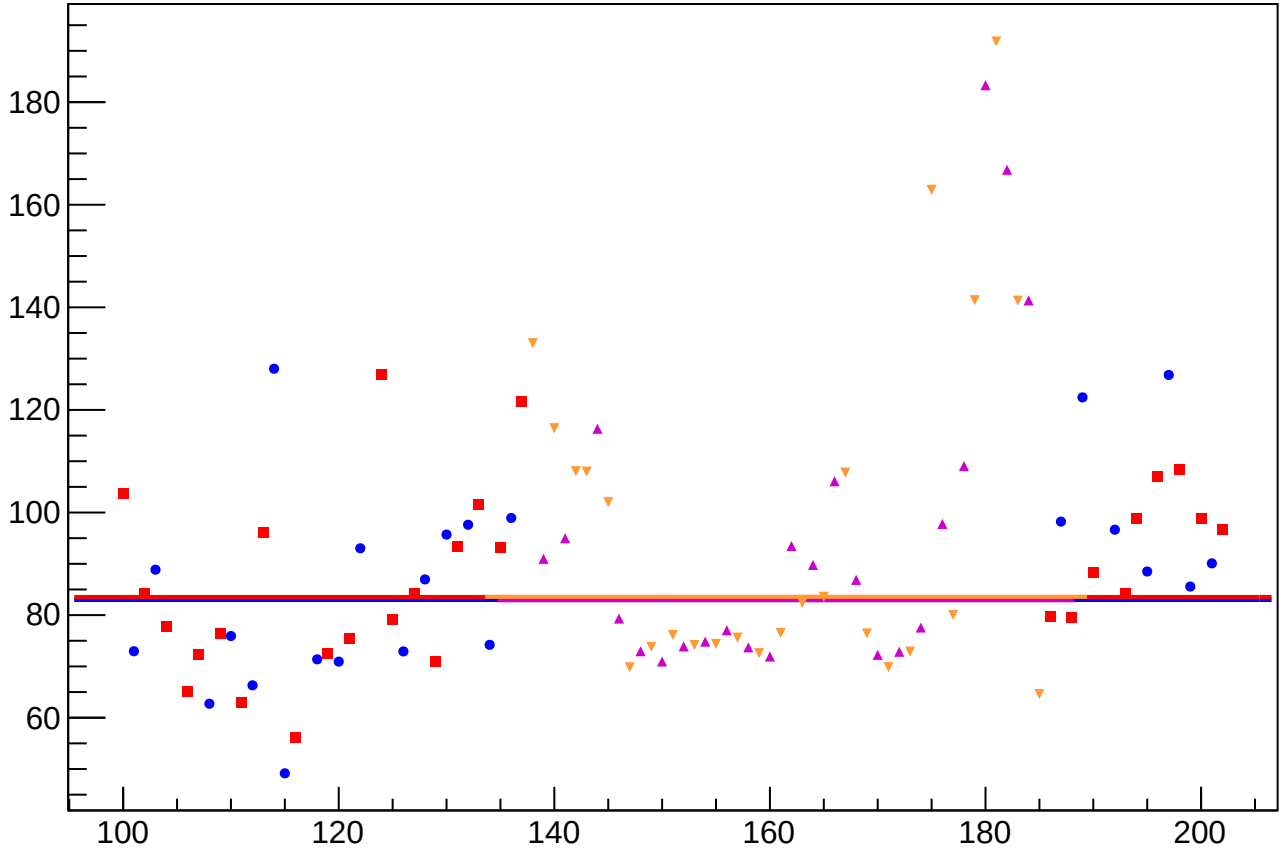
Right: -0.002+/-0.017 χ^2/NDF: 59.9/50

In: -0.019+/-0.016 χ^2/NDF:54.6/45

Out: 0.004+/-0.015 χ^2/NDF:65.8/52

All: -0.007+/-0.011 χ^2/NDF: 121.4/98

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 82.945+/-0.018 χ^2/NDF: 818081.3/22

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.549+/-0.016 χ^2/NDF: 744408.8/27

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

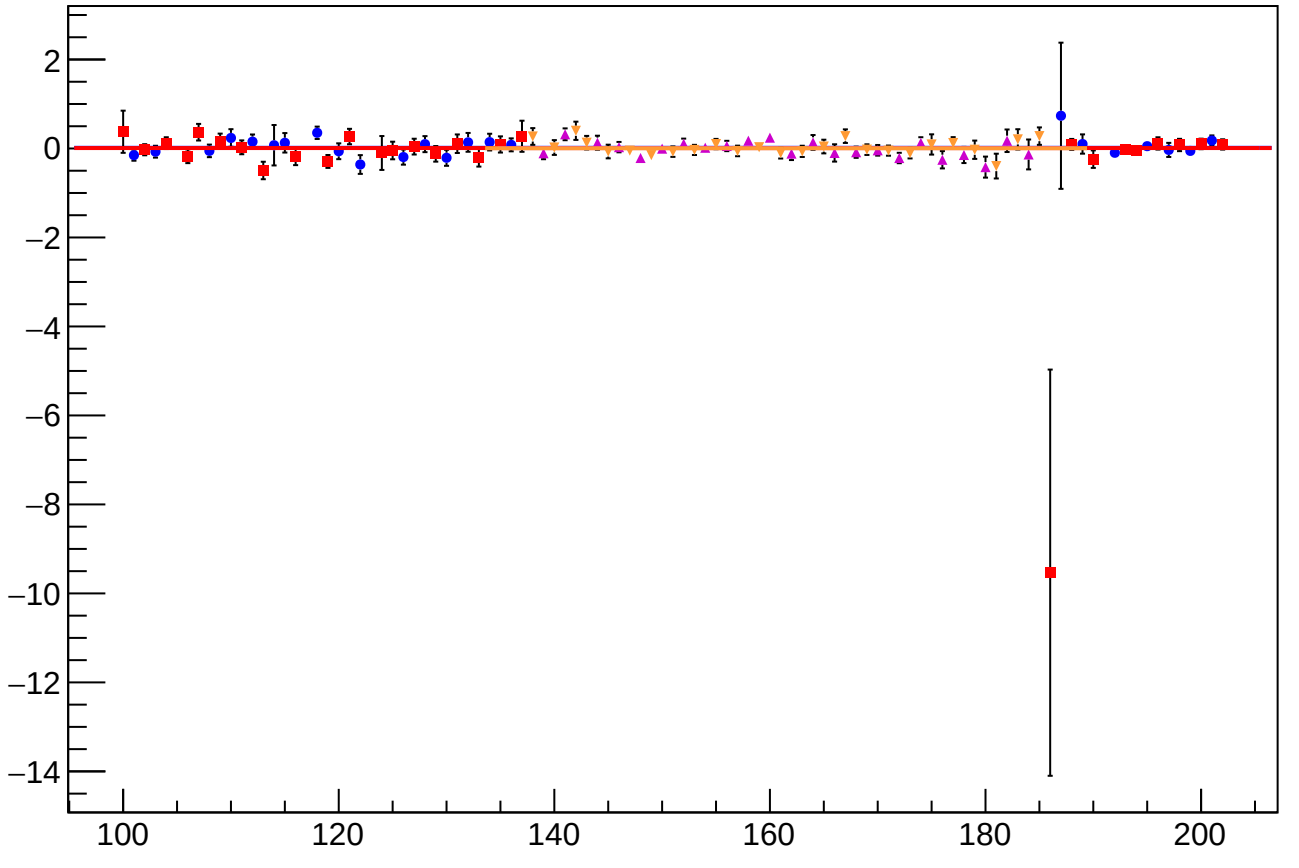
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 83.270+/-0.012 χ^2/NDF: 1563122.2/50

In: 82.913+/-0.011 χ^2/NDF:2391068.0/45

Out: 83.558+/-0.011 χ^2/NDF:2917330.4/52

All: 83.248+/-0.008 χ^2/NDF: 5310118.5/98



Right In: 0.015+/-0.032 χ^2/NDF: 22.2/22

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.010+/-0.030 χ^2/NDF: 32.8/27

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

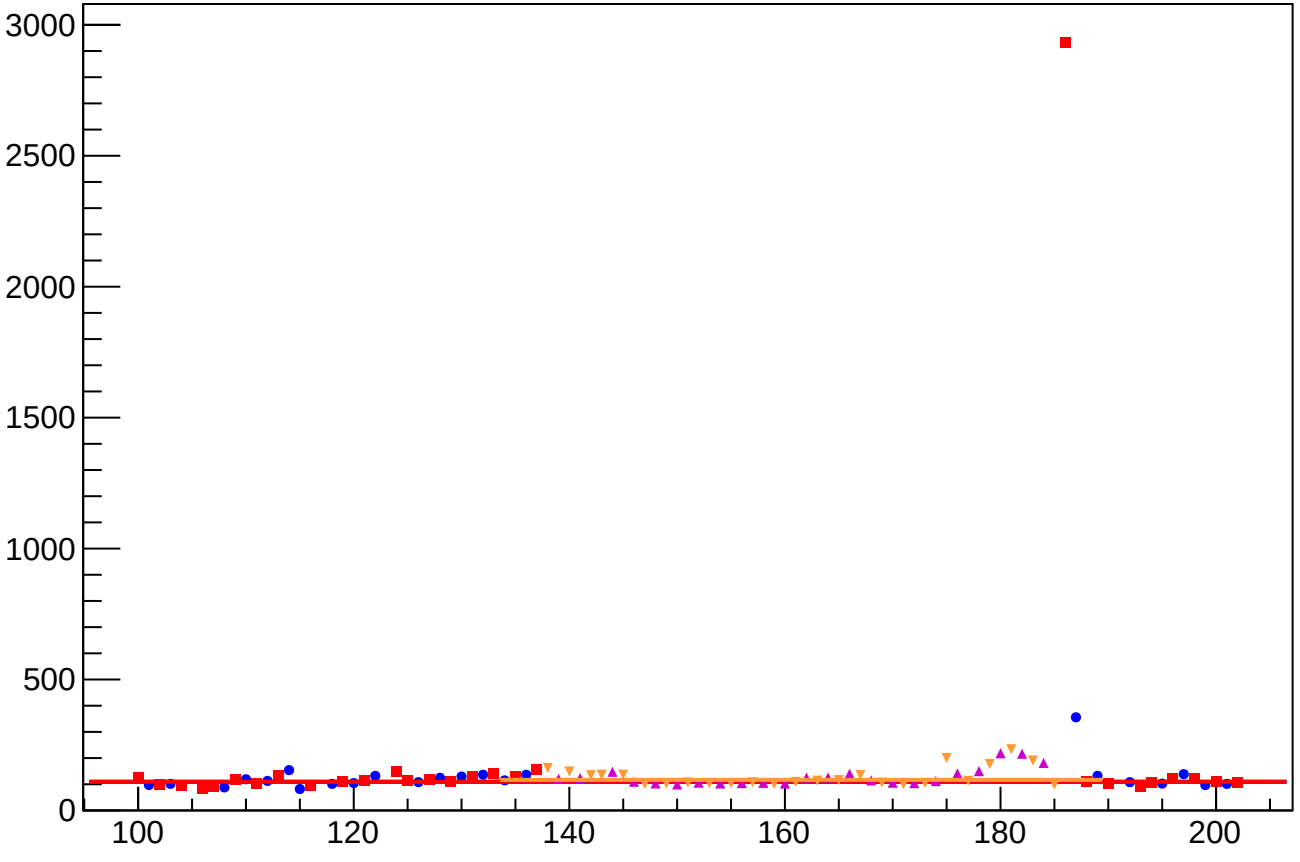
Right: 0.012+/-0.022 χ^2/NDF: 55.0/50

In: 0.012+/-0.021 χ^2/NDF:53.5/45

Out: 0.008+/-0.020 χ^2/NDF:54.1/52

All: 0.010+/-0.015 χ^2/NDF: 107.6/98

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.467+/-0.023 χ^2/NDF: 483242.7/22

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 109.519+/-0.021 χ^2/NDF: 1171458.4/27

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

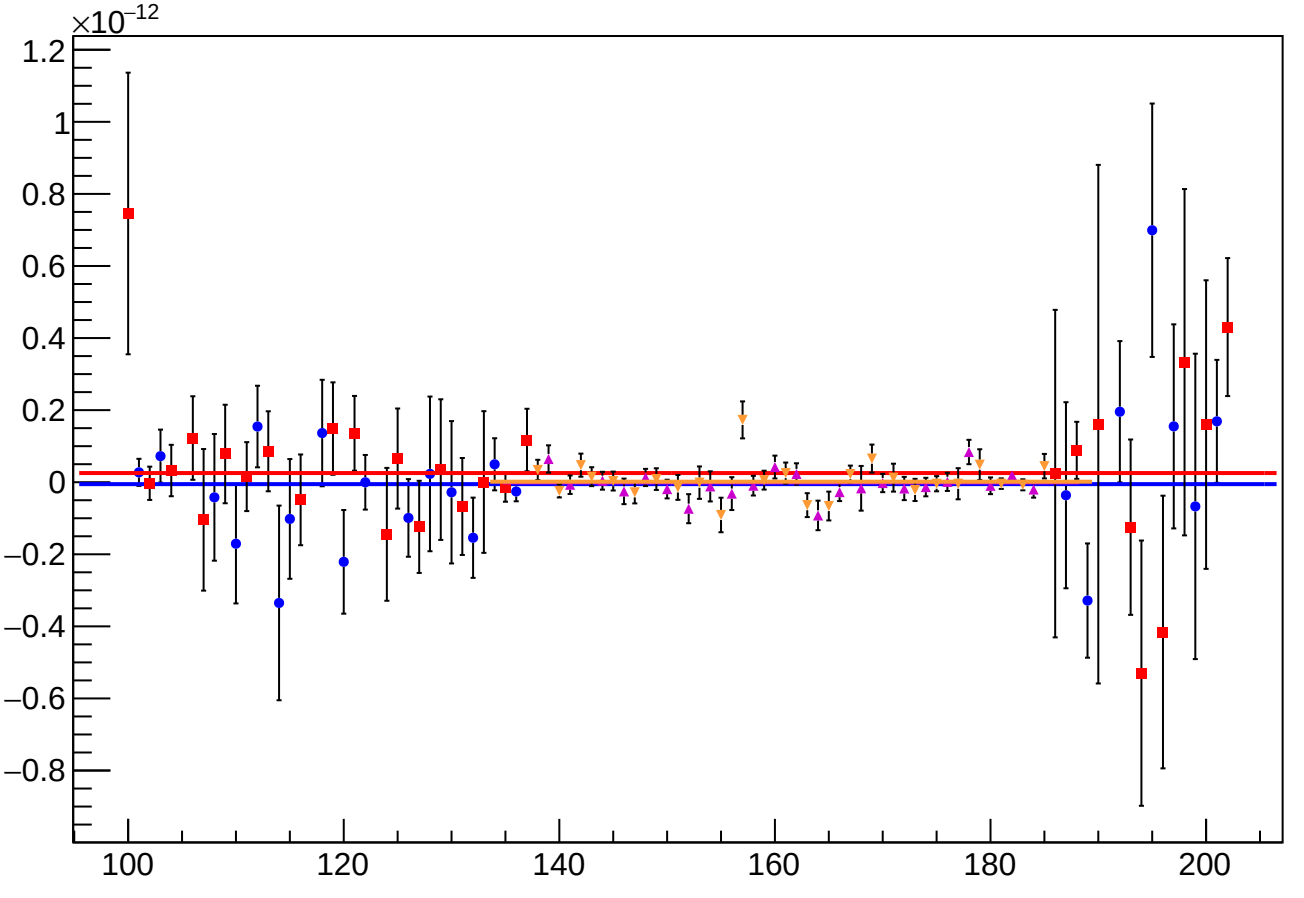
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 109.495+/-0.016 χ^2/NDF: 1654703.9/50

In: 113.114+/-0.015 χ^2/NDF:1758833.1/45

Out: 113.511+/-0.014 χ^2/NDF:2832738.9/52

All: 113.321+/-0.010 χ^2/NDF: 4591934.4/98



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/27

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

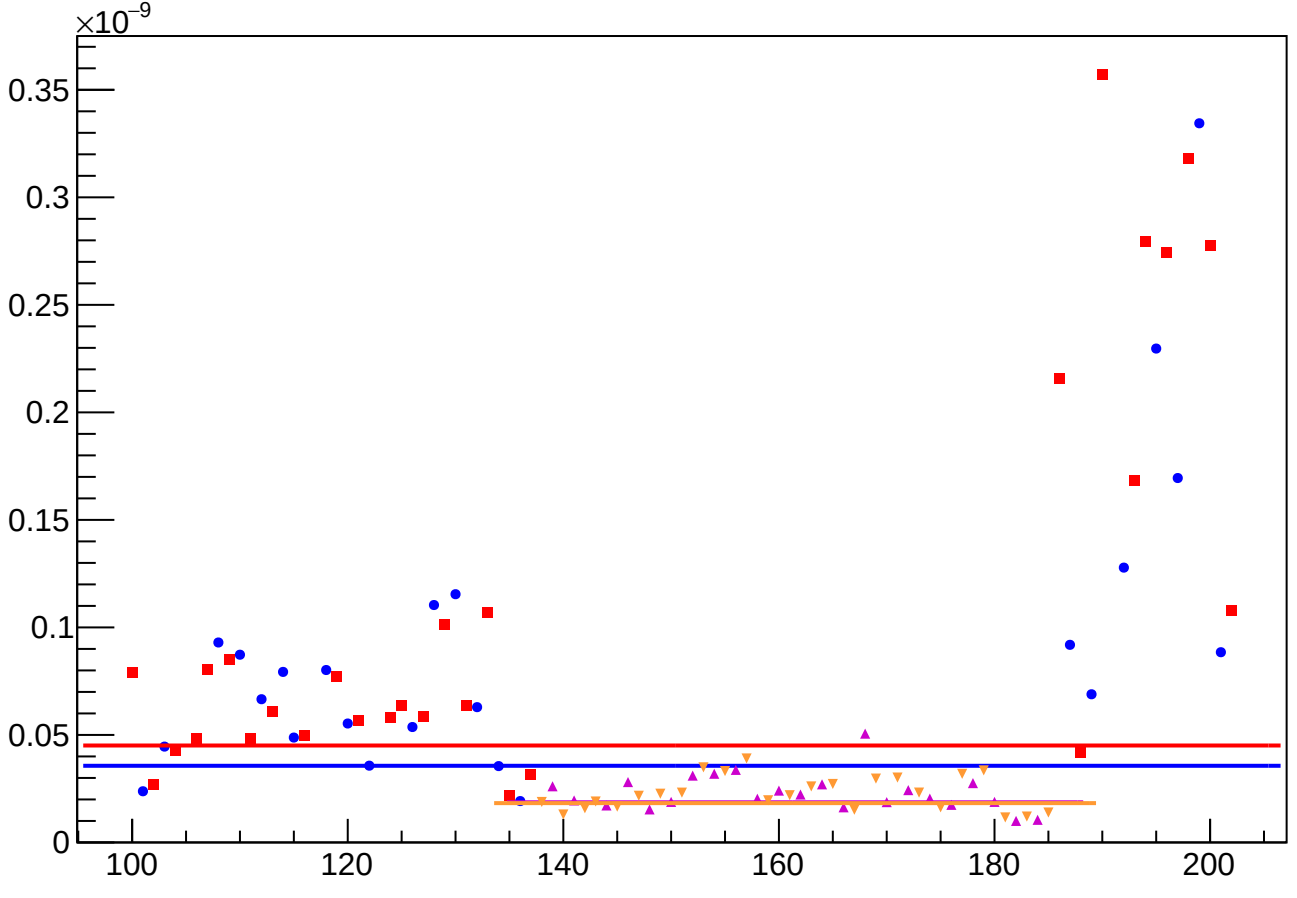
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 47.9/50

In: -0.000+/-0.000 χ^2/NDF:51.1/45

Out: 0.000+/-0.000 χ^2/NDF:60.3/52

All: 0.000+/-0.000 χ^2/NDF: 111.7/98



Right In: 0.000+/-0.000 χ^2/NDF: 5408496.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6225885.4/27

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

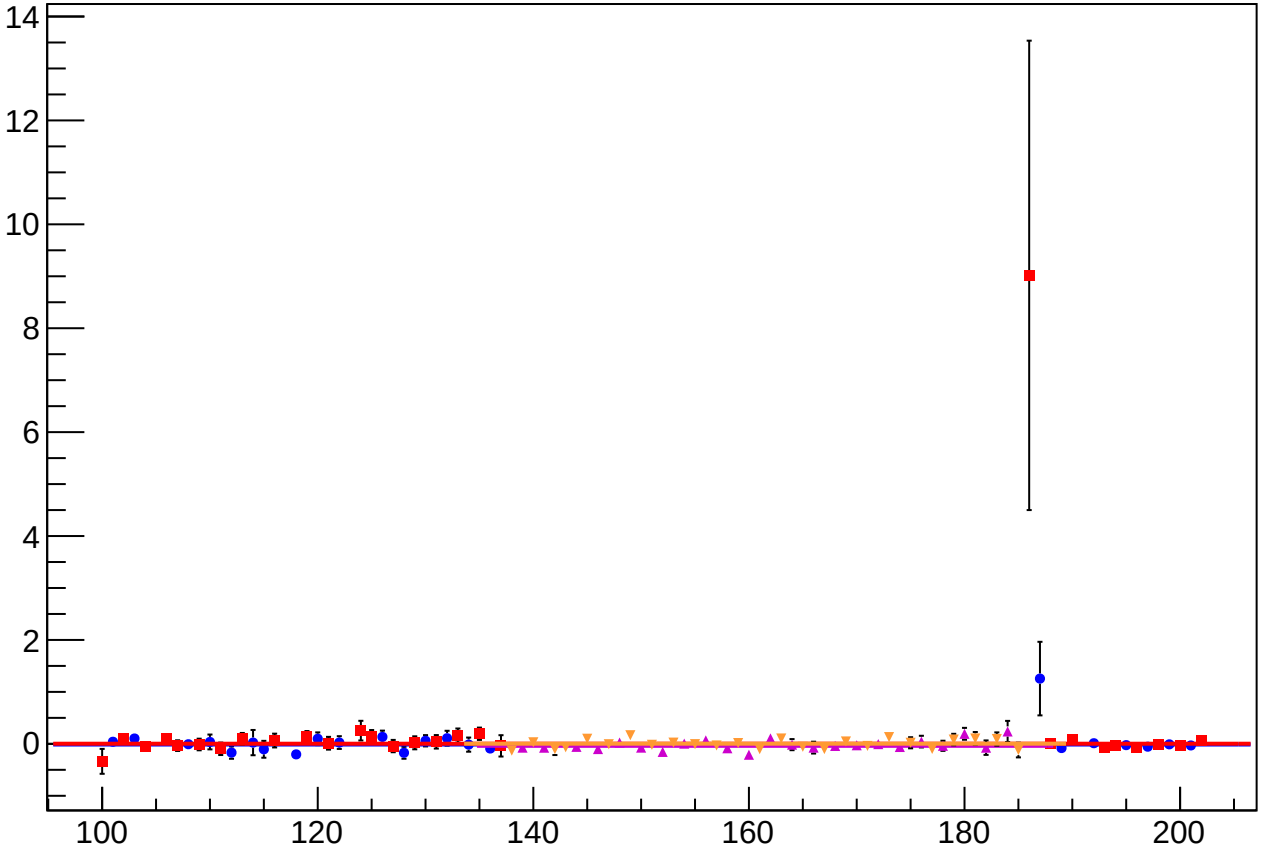
Right: 0.000+/-0.000 χ^2/NDF: 11884718.9/50

In: 0.000+/-0.000 χ^2/NDF:10015824.8/45

Out: 0.000+/-0.000 χ^2/NDF:12570705.1/52

All: 0.000+/-0.000 χ^2/NDF: 22587579.9/98

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.015 χ^2/NDF: 22.7/22

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.013 χ^2/NDF: 35.4/27

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

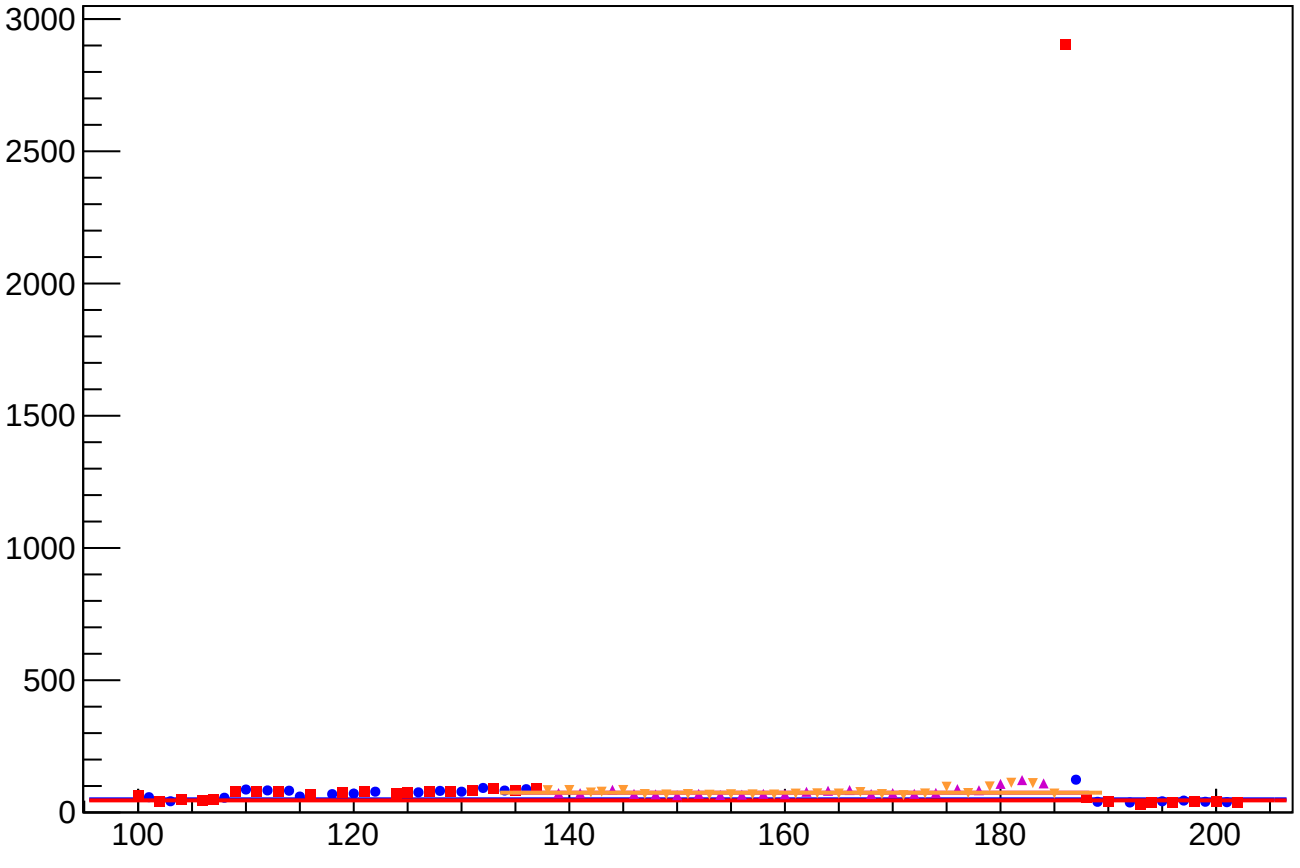
Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

Right: -0.004+/-0.010 χ^2/NDF: 58.7/50

In: -0.024+/-0.012 χ^2/NDF:45.5/45

Out: 0.003+/-0.011 χ^2/NDF:56.9/52

All: -0.009+/-0.008 χ^2/NDF: 105.2/98



Right In: 49.673+/-0.011 χ^2/NDF: 2210769.6/22

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.685+/-0.009 χ^2/NDF: 3610430.1/27

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

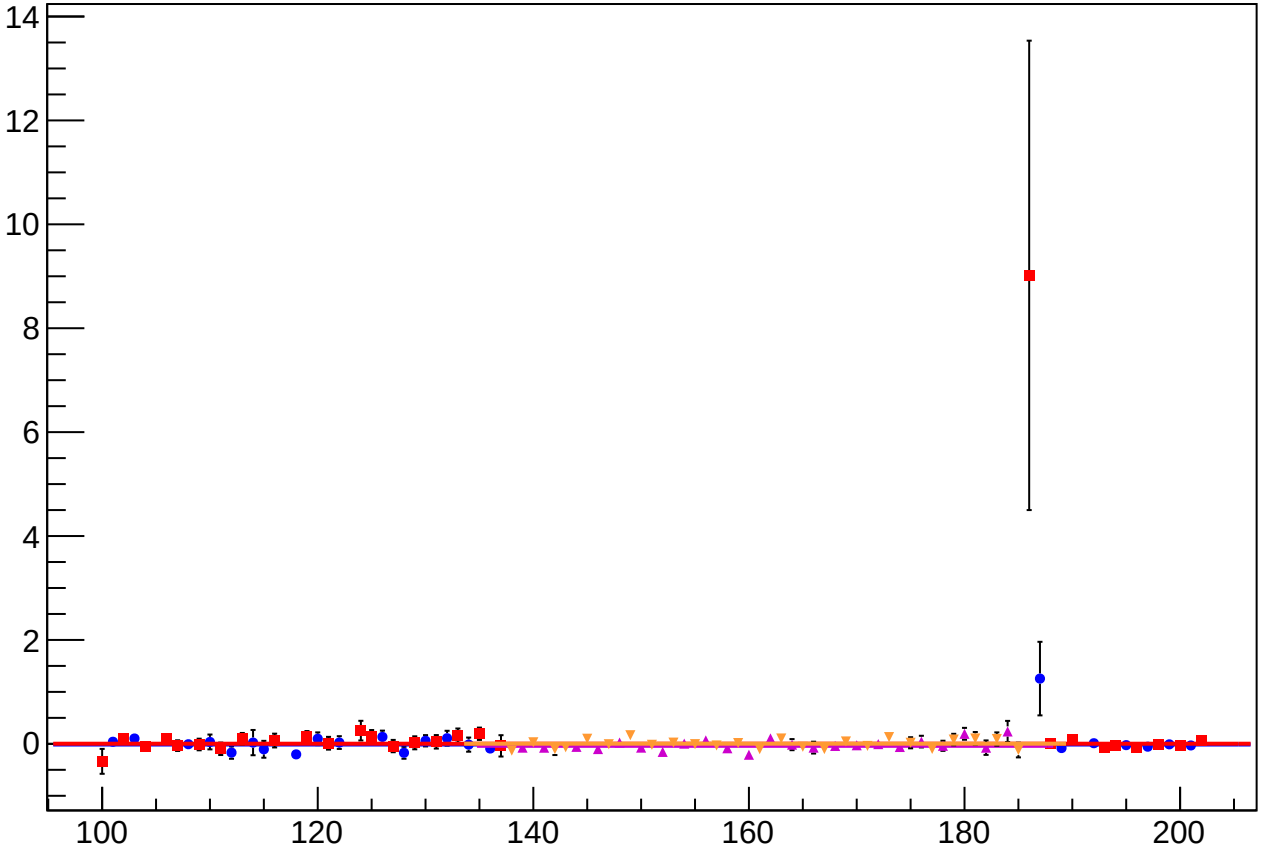
Right: 47.414+/-0.007 χ^2/NDF: 5897913.1/50

In: 60.234+/-0.008 χ^2/NDF:5166026.8/45

Out: 56.491+/-0.008 χ^2/NDF:7849763.6/52

All: 58.193+/-0.006 χ^2/NDF: 13128664.9/98

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.015 χ^2/NDF: 22.7/22

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.013 χ^2/NDF: 35.4/27

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

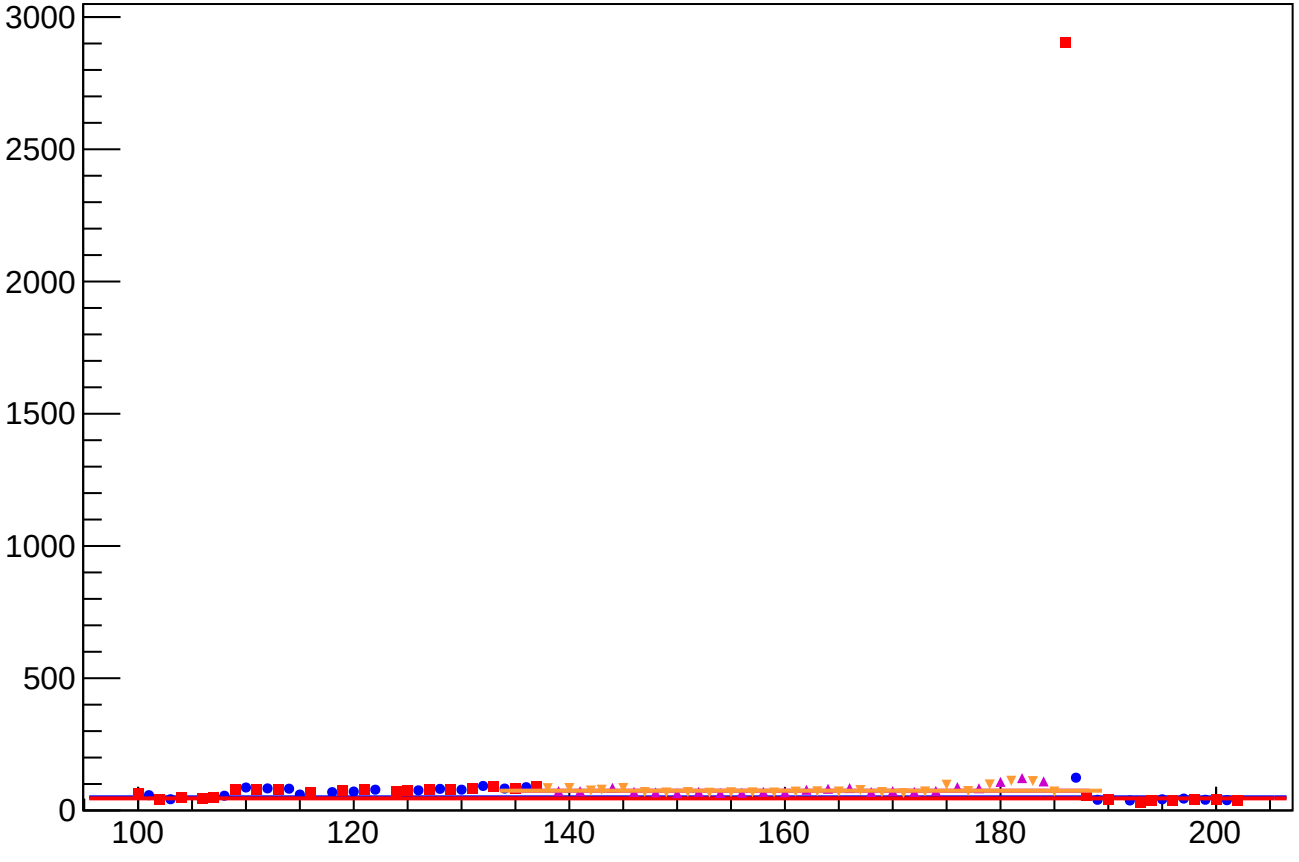
Right: -0.004+/-0.010 χ^2/NDF: 58.7/50

In: -0.024+/-0.012 χ^2/NDF:45.5/45

Out: 0.003+/-0.011 χ^2/NDF:56.9/52

All: -0.009+/-0.008 χ^2/NDF: 105.2/98

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.673+/-0.011 χ^2/NDF: 2210769.6/22

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.685+/-0.009 χ^2/NDF: 3610430.1/27

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

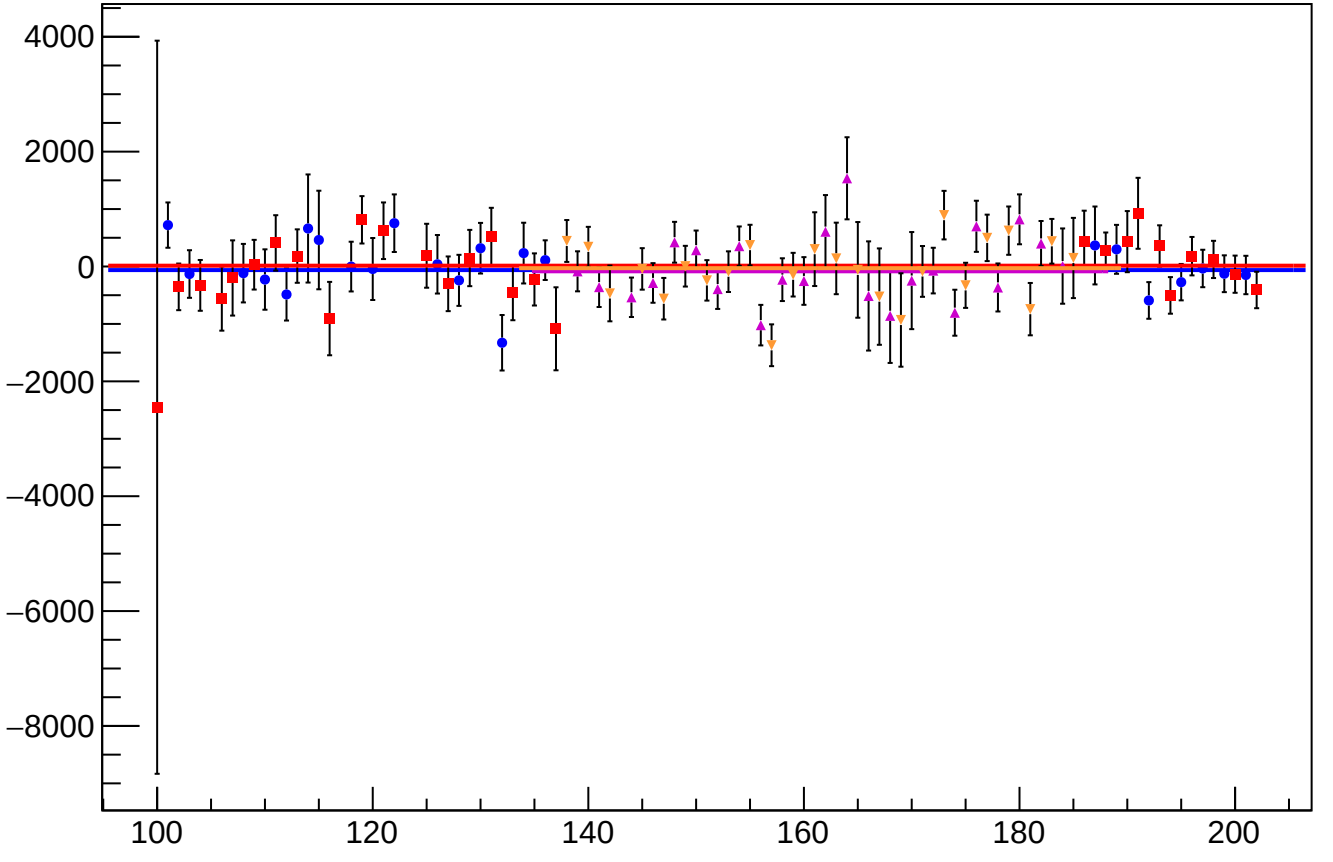
Right: 47.414+/-0.007 χ^2/NDF: 5897913.1/50

In: 60.234+/-0.008 χ^2/NDF:5166026.8/45

Out: 56.491+/-0.008 χ^2/NDF:7849763.6/52

All: 58.193+/-0.006 χ^2/NDF: 13128664.9/98

asym_dsl_mean vs Slug, Sign Corrected



Right In: -62.619+/-89.210 χ^2/NDF: 21.4/22

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 14.057+/-82.825 χ^2/NDF: 26.1/27

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

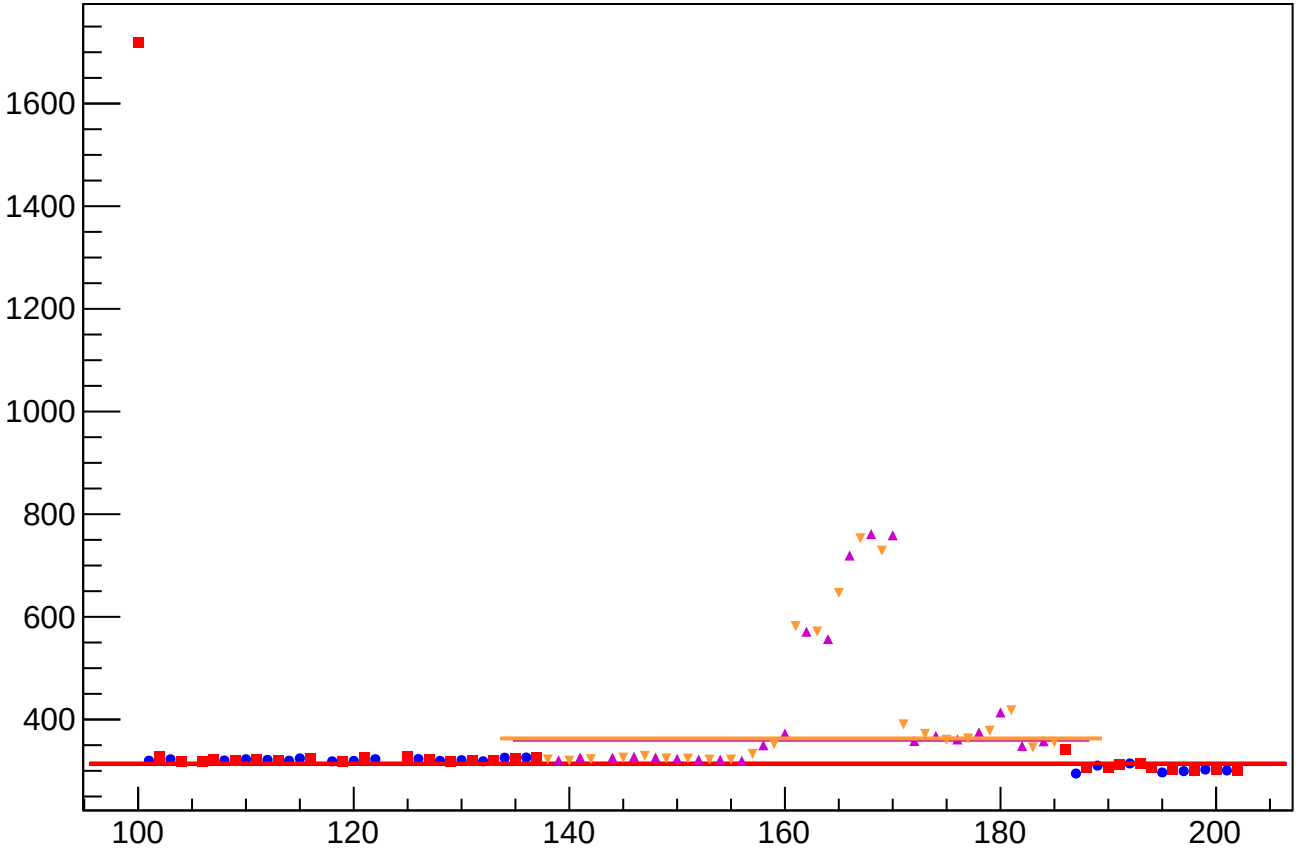
Right: -21.439+/-60.698 χ^2/NDF: 47.9/50

In: -73.497+/-62.092 χ^2/NDF:57.2/45

Out: -6.695+/-59.833 χ^2/NDF:62.8/51

All: -38.859+/-43.085 χ^2/NDF: 120.7/97

asym_dsl_rms vs Slug, Sign Corrected



Right In: 313.490+/-0.063 χ^2/NDF: 26194.1/22

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 314.259+/-0.059 χ^2/NDF: 127408.0/27

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

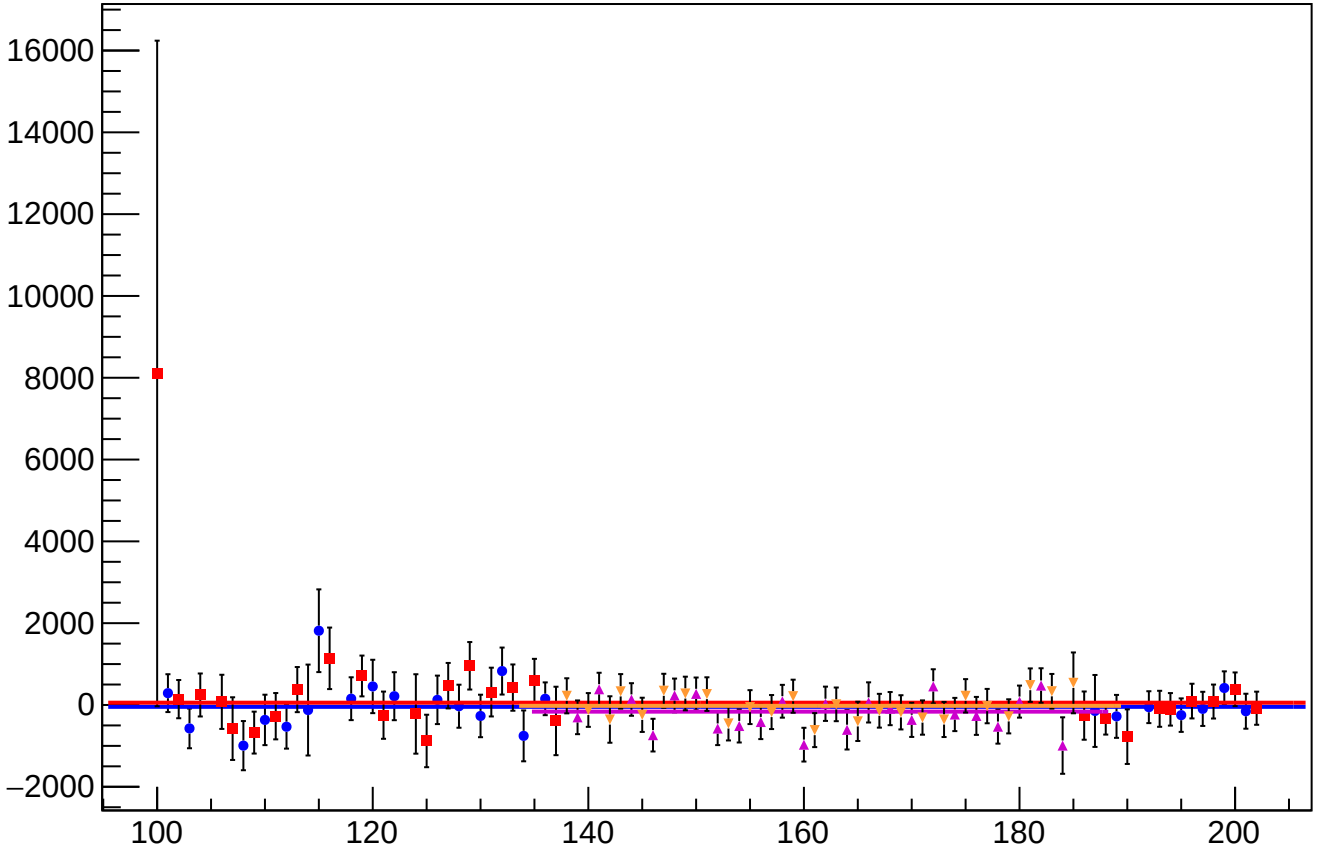
Right: 313.903+/-0.043 χ^2/NDF: 153681.9/50

In: 337.771+/-0.044 χ^2/NDF:2131249.1/45

Out: 337.601+/-0.042 χ^2/NDF:2255222.8/51

All: 337.683+/-0.030 χ^2/NDF: 4386479.6/97

asym_dsr_mean vs Slug, Sign Corrected



Right In: -45.511+/-108.331 χ^2/NDF: 15.5/22

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 55.821+/-100.850 χ^2/NDF: 19.6/27

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

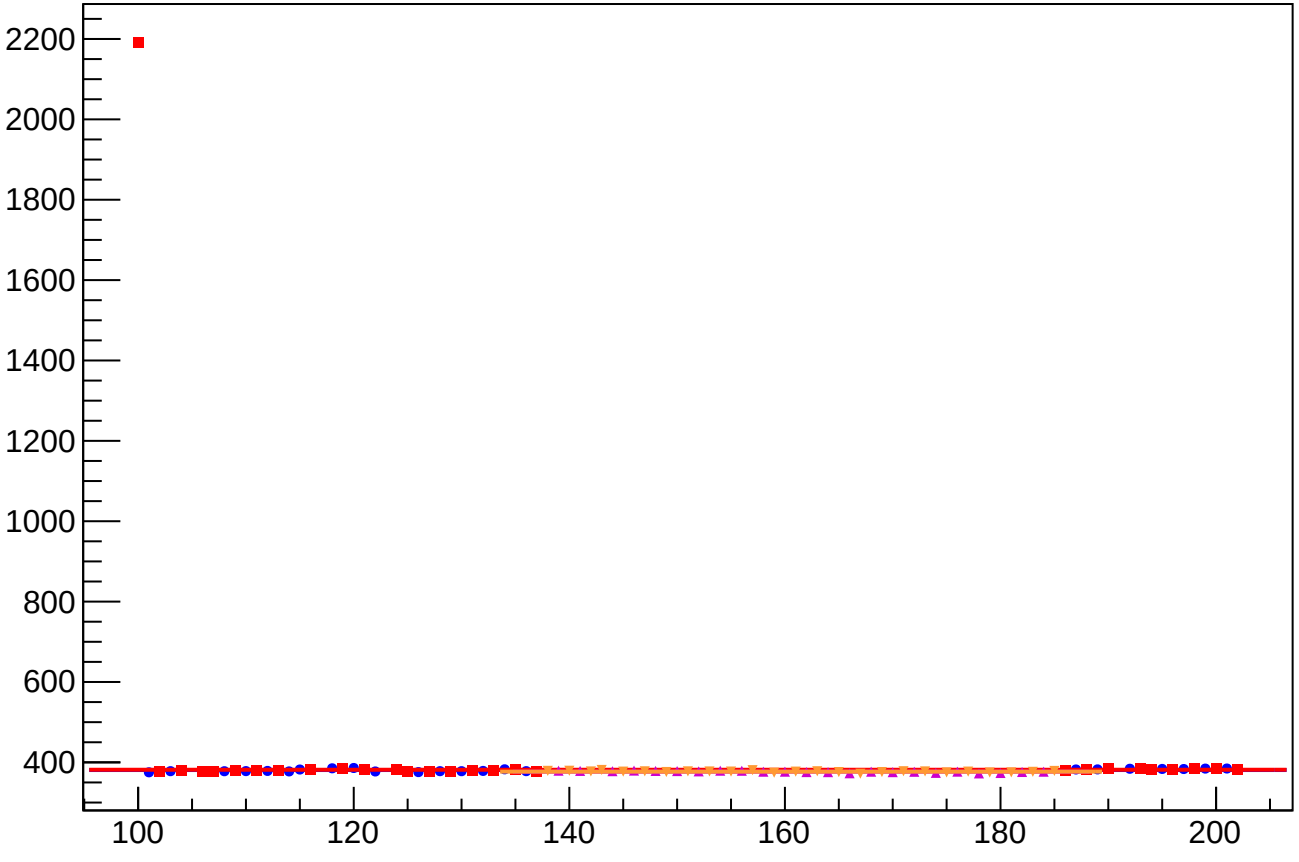
Right: 8.774+/-73.815 χ^2/NDF: 35.6/50

In: -116.293+/-68.300 χ^2/NDF:38.0/45

Out: 11.142+/-65.270 χ^2/NDF:32.5/52

All: -49.686+/-47.188 χ^2/NDF: 72.4/98

asym_dsr_rms vs Slug, Sign Corrected



Right In: 380.903+/-0.077 χ^2/NDF: 1869.8/22

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.582+/-0.071 χ^2/NDF: 100450.5/27

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

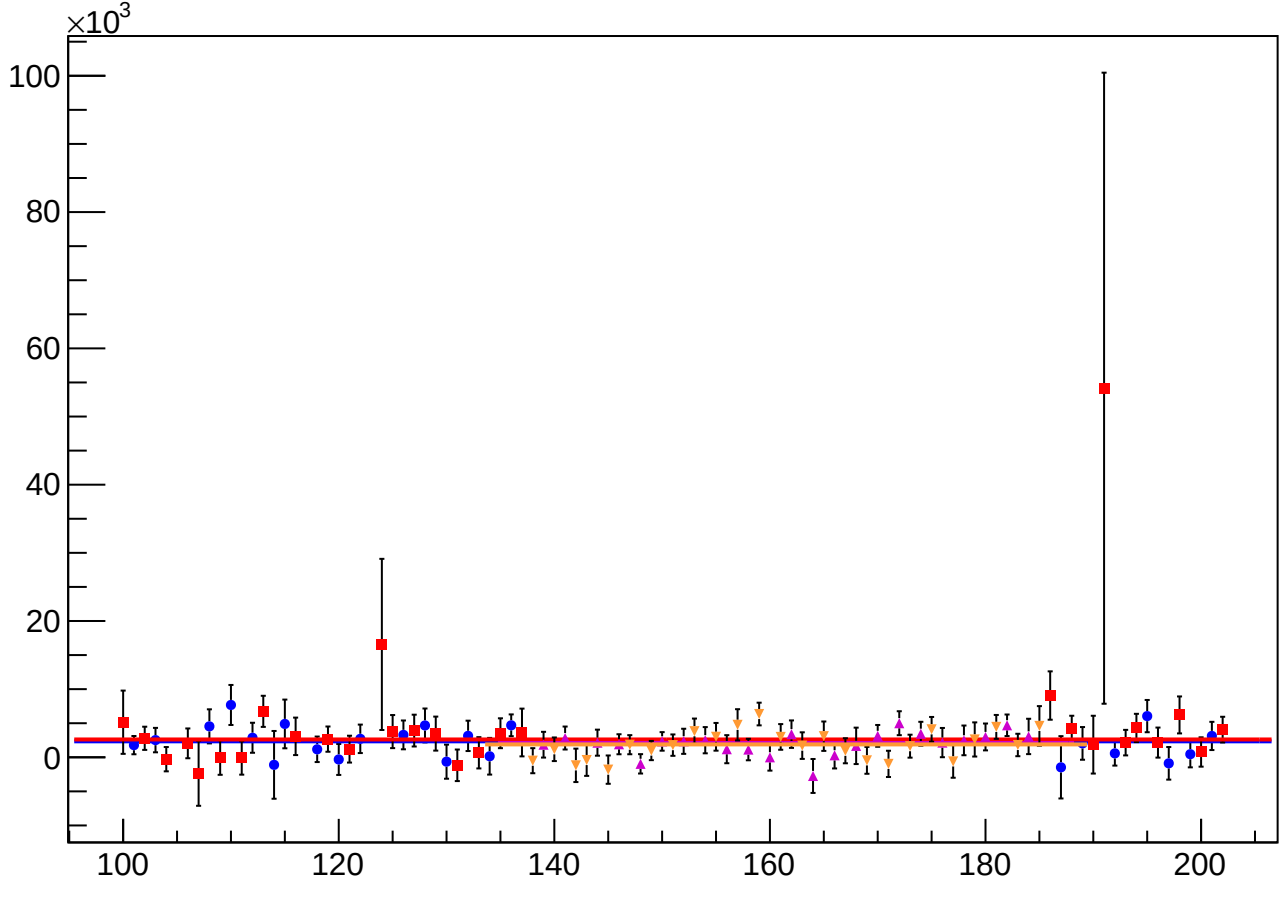
Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

Right: 381.267+/-0.052 χ^2/NDF: 102362.5/50

In: 378.459+/-0.048 χ^2/NDF:4633.9/45

Out: 378.864+/-0.046 χ^2/NDF:104007.4/52

All: 378.671+/-0.033 χ^2/NDF: 108678.2/98



Right In: 2343.418+/-454.504 χ^2/NDF: 19.6/22

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2616.318+/-442.652 χ^2/NDF: 24.9/28

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

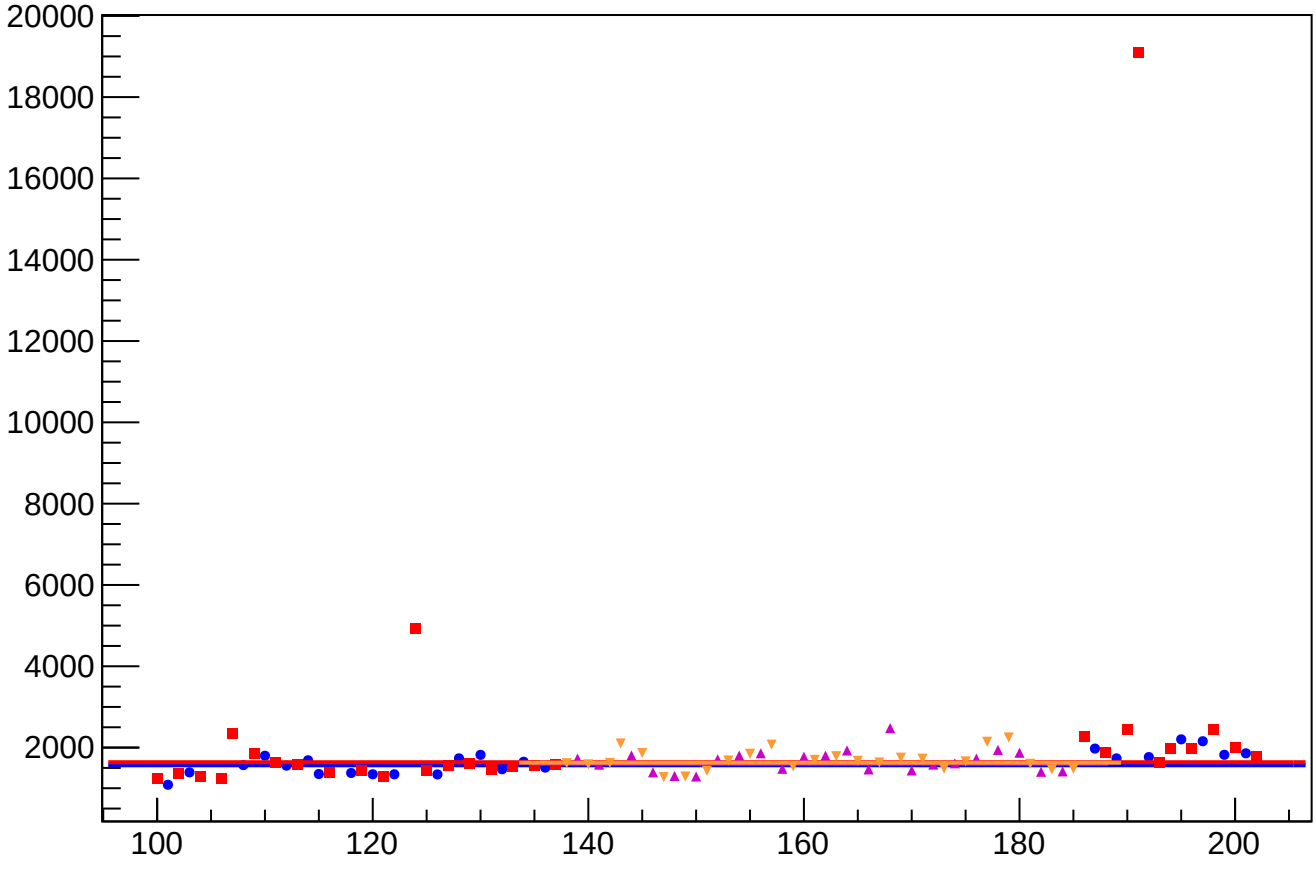
Right: 2483.472+/-317.109 χ^2/NDF: 44.6/51

In: 2203.048+/-291.101 χ^2/NDF:38.3/45

Out: 2194.445+/-286.255 χ^2/NDF:54.8/53

All: 2198.674+/-204.105 χ^2/NDF: 93.1/99

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1564.737+/-0.321 χ^2/NDF: 814311.7/22

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1640.279+/-0.313 χ^2/NDF: 1347267.5/28

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

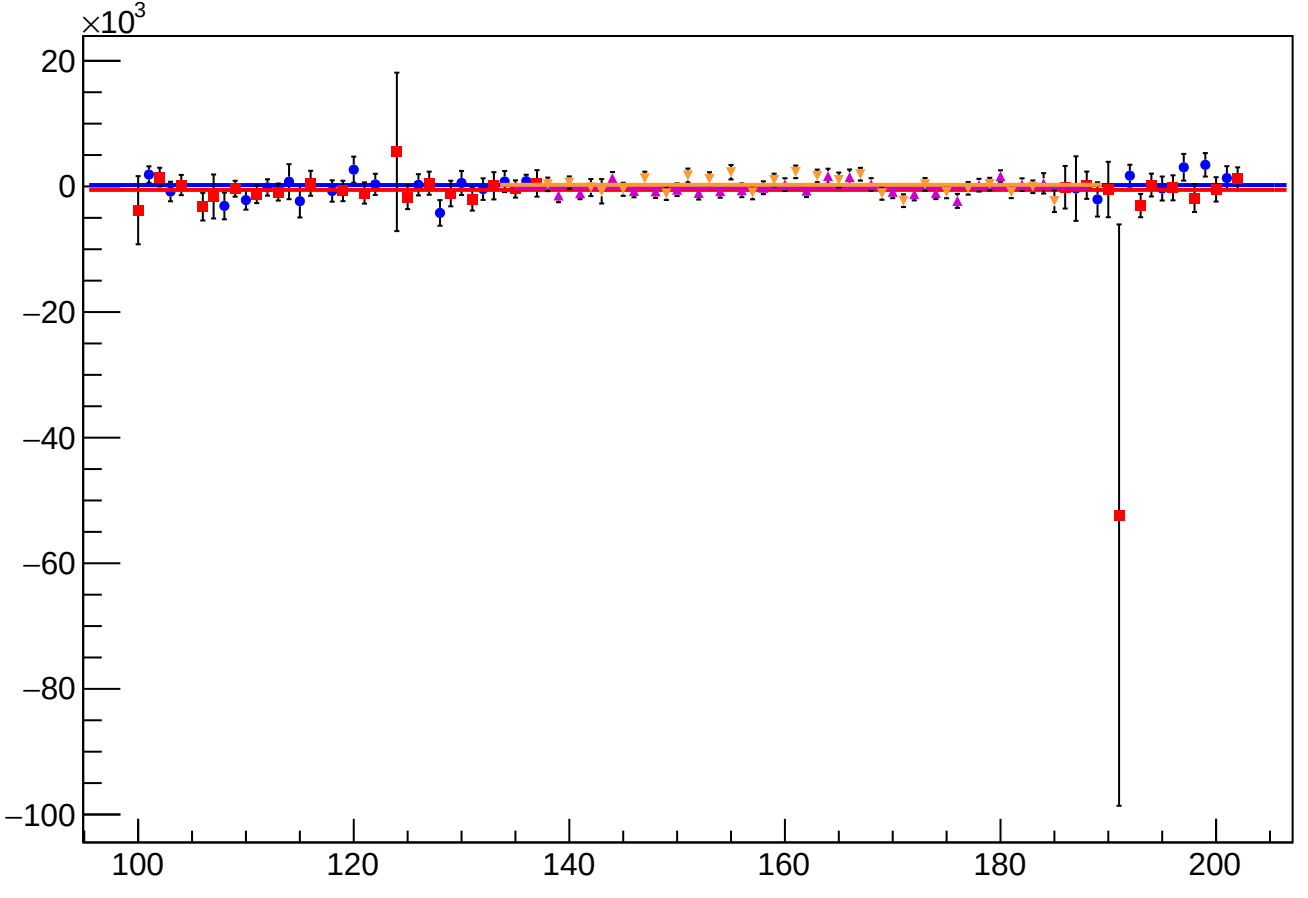
Right: 1603.506+/-0.224 χ^2/NDF: 2189934.0/51

In: 1586.417+/-0.206 χ^2/NDF:1615750.1/45

Out: 1633.414+/-0.202 χ^2/NDF:2127189.1/53

All: 1610.310+/-0.144 χ^2/NDF: 3769440.9/99

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 222.761+/-364.849 χ^2/NDF: 21.7/22

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -547.528+/-356.336 χ^2/NDF: 11.4/28

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

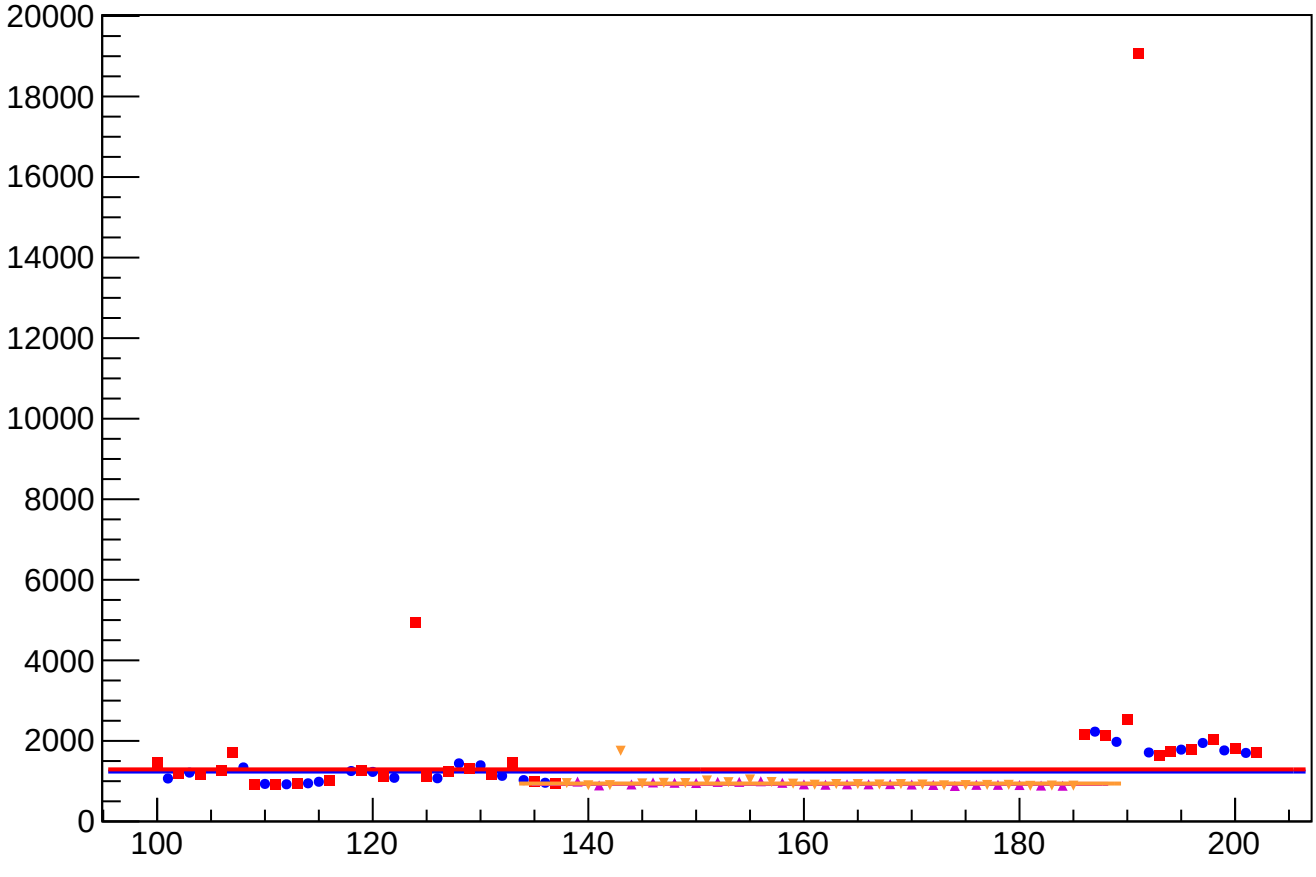
Right: -171.474+/-254.924 χ^2/NDF: 35.5/51

In: -138.468+/-186.940 χ^2/NDF:44.4/45

Out: 46.284+/-184.063 χ^2/NDF:49.2/53

All: -44.660+/-131.158 χ^2/NDF: 94.1/99

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1238.655+/-0.258 χ^2/NDF: 1567662.7/22

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1292.908+/-0.252 χ^2/NDF: 2607235.3/28

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

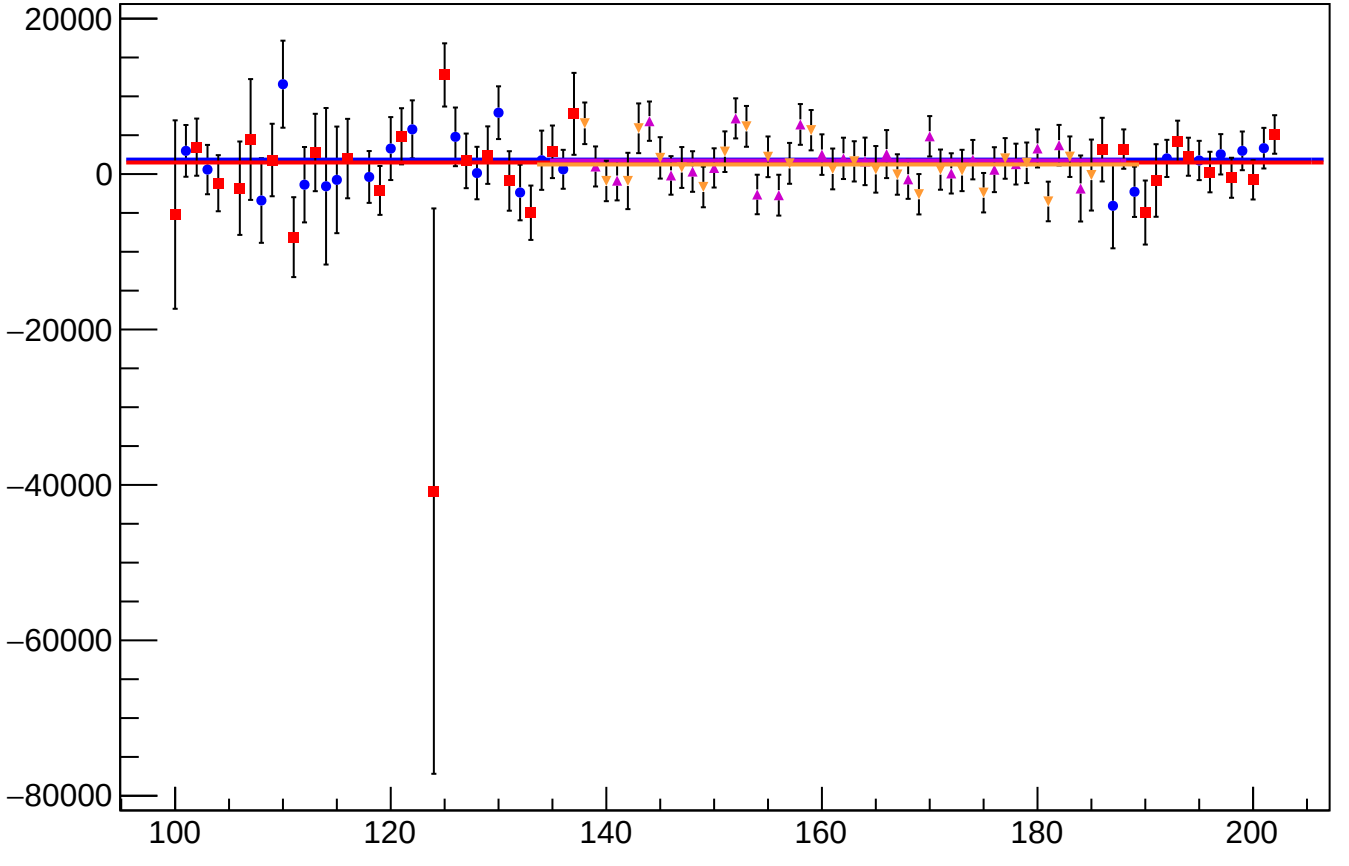
Right: 1266.422+/-0.180 χ^2/NDF: 4197531.7/51

In: 1012.183+/-0.132 χ^2/NDF:2661514.9/45

Out: 1034.905+/-0.130 χ^2/NDF:4454985.9/53

All: 1023.720+/-0.093 χ^2/NDF: 7131504.5/99

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1861.309+/-703.880 χ^2/NDF: 15.7/22

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1488.729+/-663.204 χ^2/NDF: 29.9/28

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

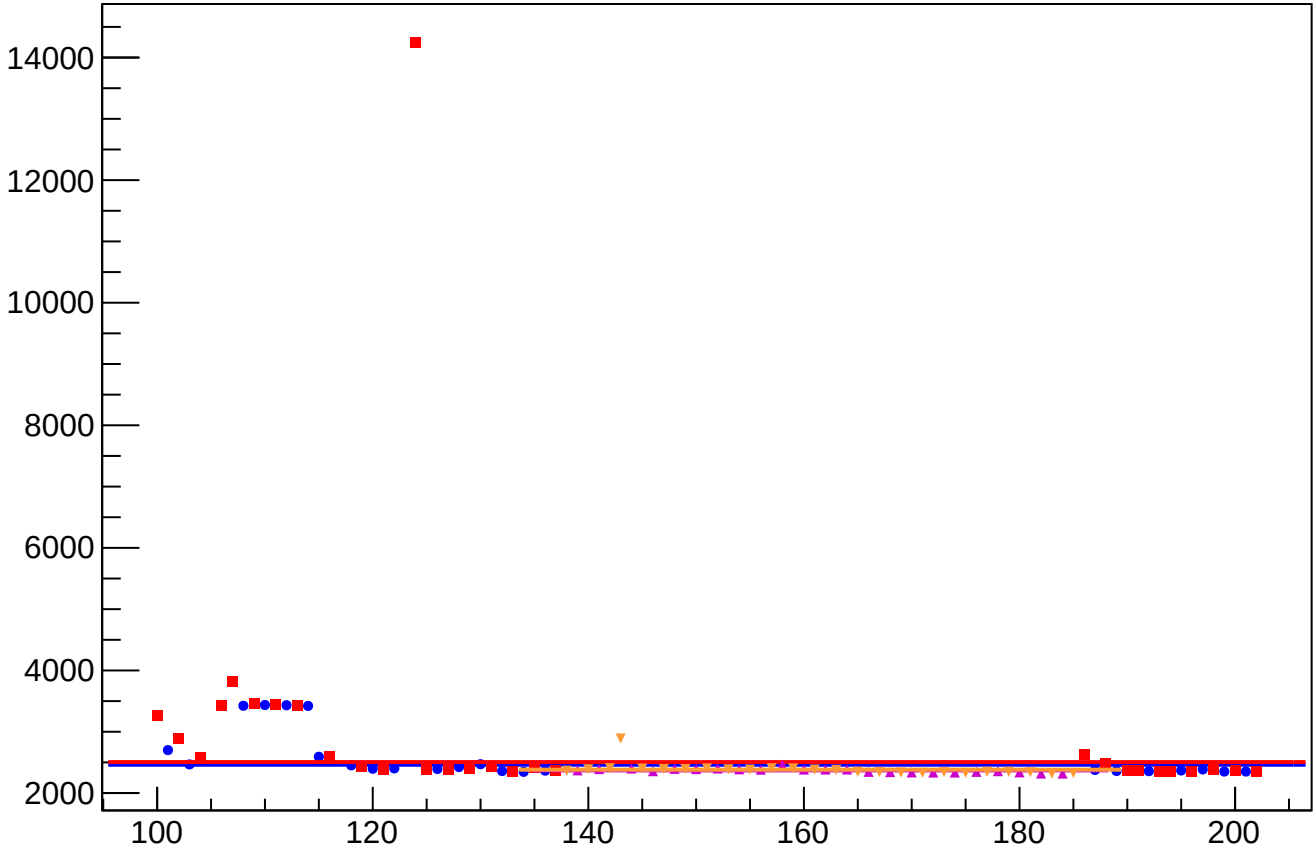
Right: 1663.943+/-482.696 χ^2/NDF: 45.7/51

In: 1787.395+/-434.972 χ^2/NDF:40.1/45

Out: 1336.280+/-419.347 χ^2/NDF:53.9/53

All: 1553.590+/-301.896 χ^2/NDF: 94.5/99

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2461.738+/-0.498 χ^2/NDF: 259078.2/22

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2505.001+/-0.469 χ^2/NDF: 623408.7/28

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

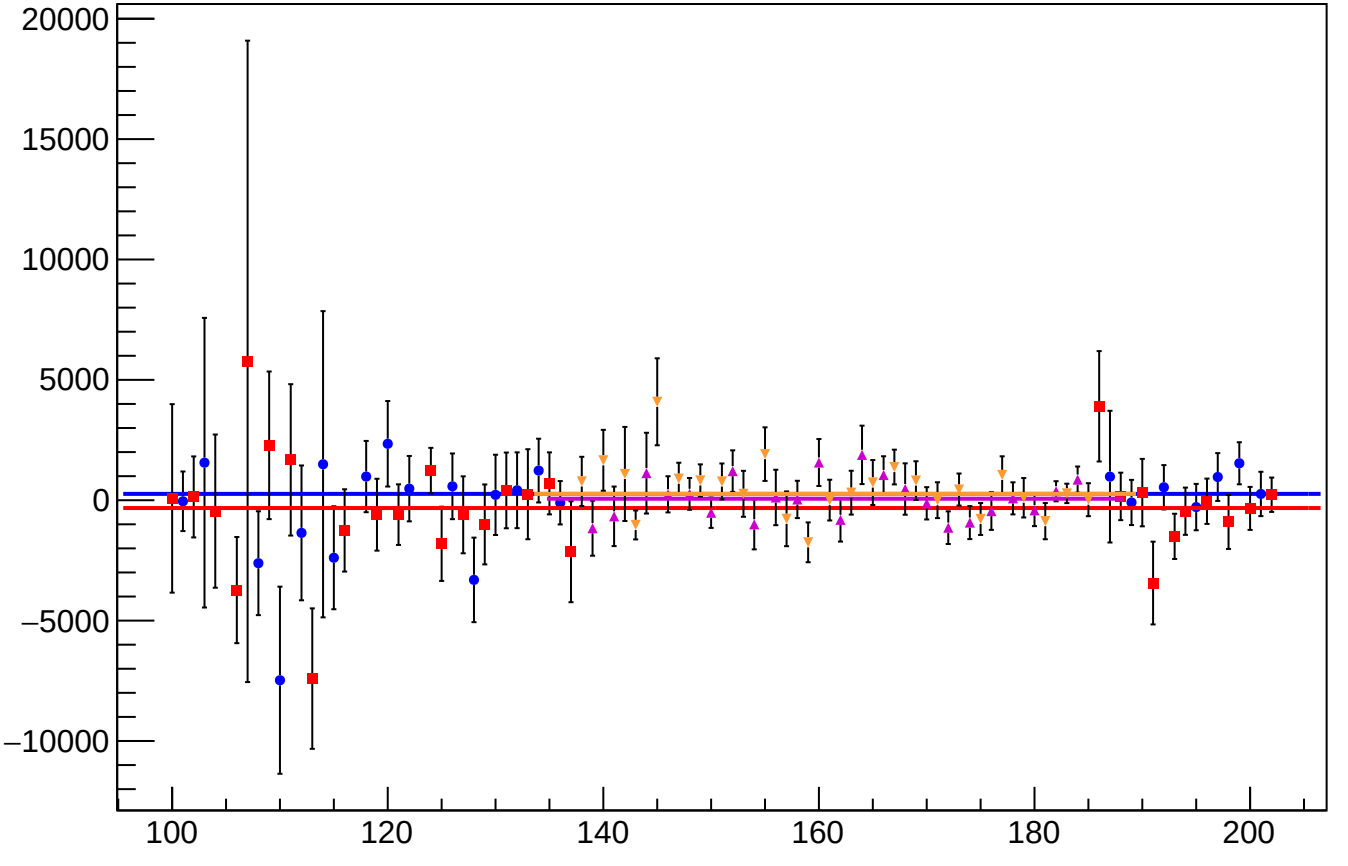
Right: 2484.656+/-0.341 χ^2/NDF: 886489.3/51

In: 2404.652+/-0.308 χ^2/NDF:287394.4/45

Out: 2430.718+/-0.297 χ^2/NDF:722836.7/53

All: 2418.162+/-0.213 χ^2/NDF: 1013953.5/99

asym_atl1_reg_correction_mean vs Slug, Sign Corrected



Right In: 264.177+/-276.220 χ^2/NDF: 17.5/22

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -324.040+/-252.537 χ^2/NDF: 25.3/28

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

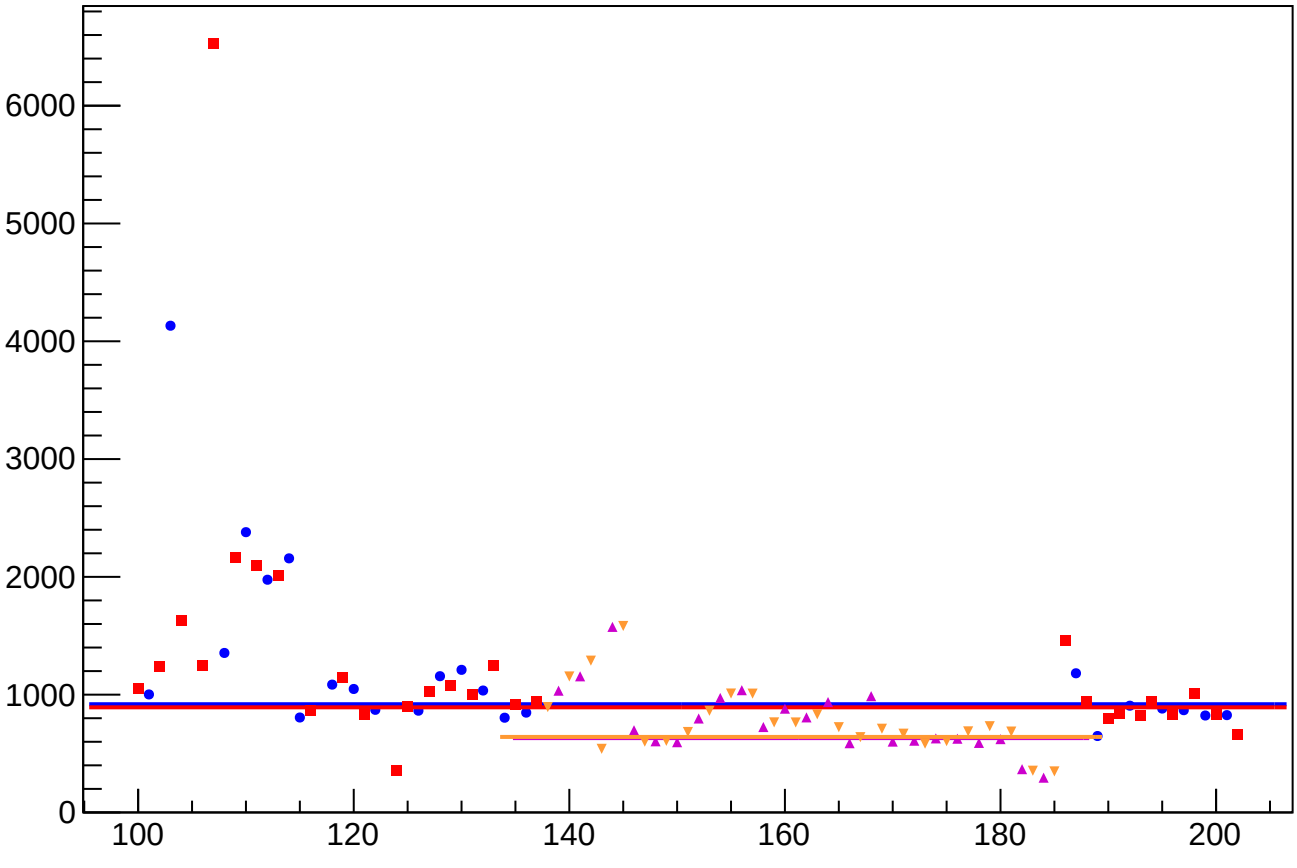
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -56.225+/-186.382 χ^2/NDF: 45.3/51

In: 111.524+/-136.751 χ^2/NDF:40.0/45

Out: 103.040+/-131.487 χ^2/NDF:60.3/53

All: 107.116+/-94.782 χ^2/NDF: 100.3/99



Right In: 918.830+/-0.195 χ^2/NDF: 1724587.3/22

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 892.477+/-0.179 χ^2/NDF: 2779708.4/28

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

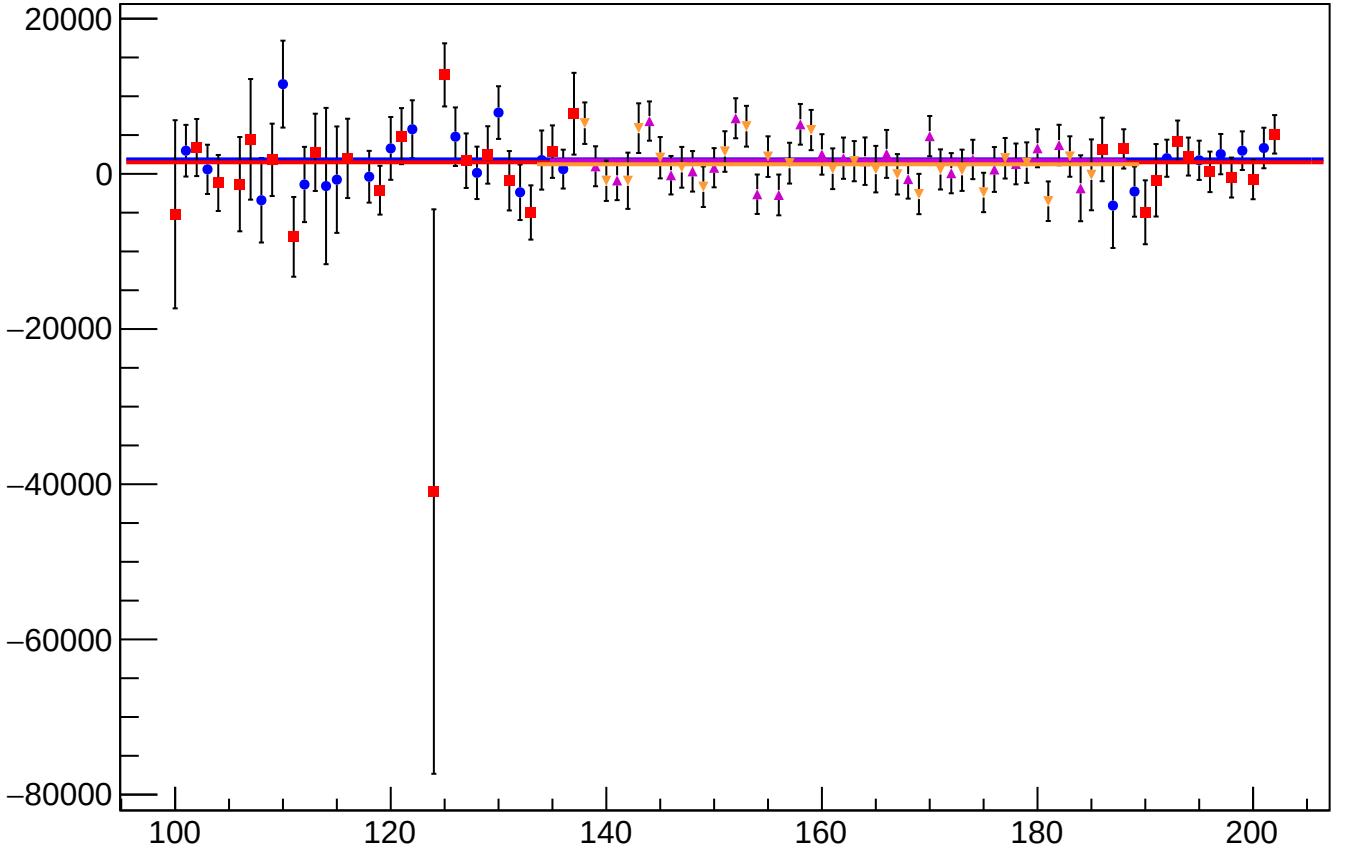
Right: 904.475+/-0.132 χ^2/NDF: 4514211.9/51

In: 701.698+/-0.097 χ^2/NDF:7337136.9/45

Out: 709.287+/-0.093 χ^2/NDF:7698369.5/53

All: 705.641+/-0.067 χ^2/NDF: 15038706.9/99

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1861.619+/-703.880 χ^2/NDF: 15.7/22

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1493.167+/-663.295 χ^2/NDF: 29.8/28

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

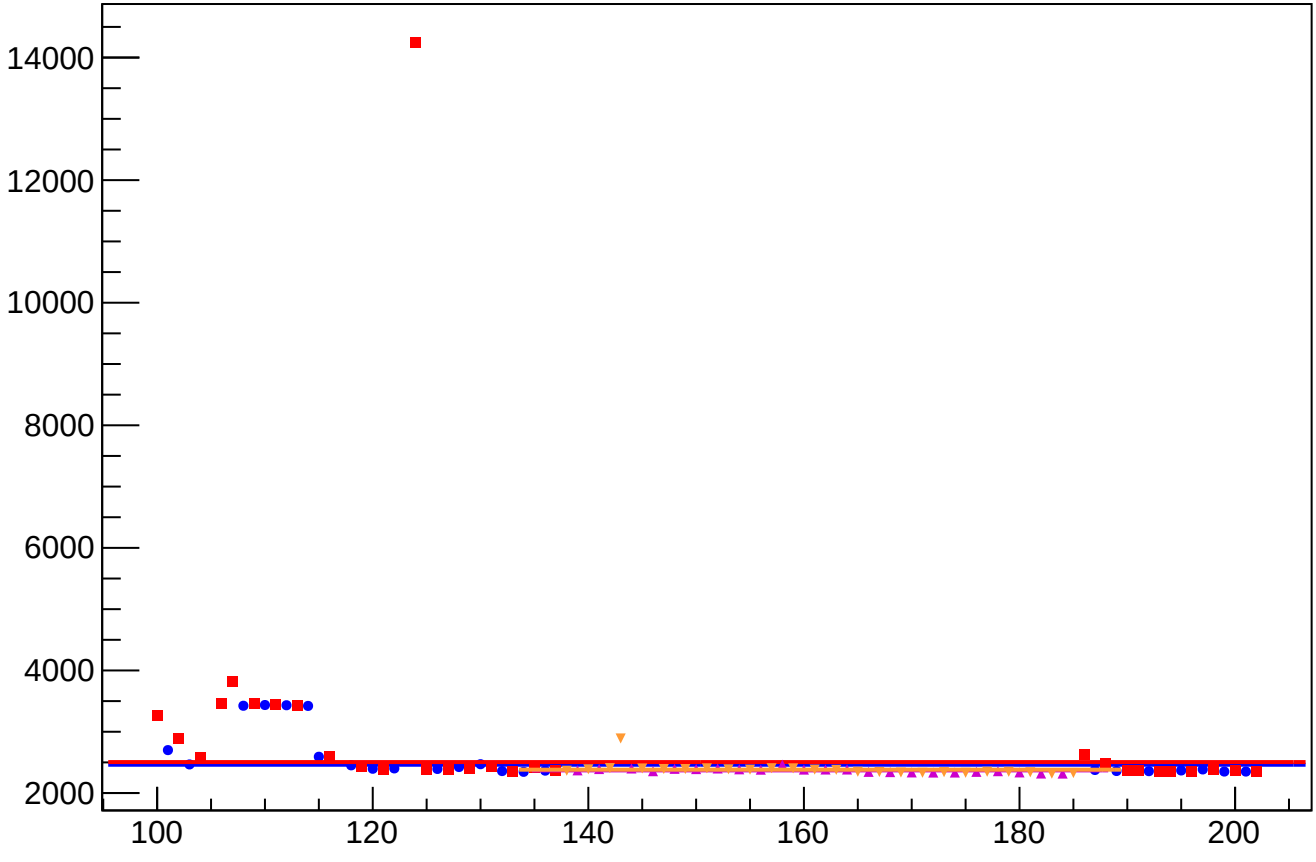
Right: 1666.465+/-482.731 χ^2/NDF: 45.6/51

In: 1787.546+/-434.972 χ^2/NDF:40.1/45

Out: 1338.024+/-419.370 χ^2/NDF:53.8/53

All: 1554.579+/-301.905 χ^2/NDF: 94.4/99

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2461.738+/-0.498 χ^2/NDF: 259078.2/22

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2505.214+/-0.469 χ^2/NDF: 626288.1/28

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

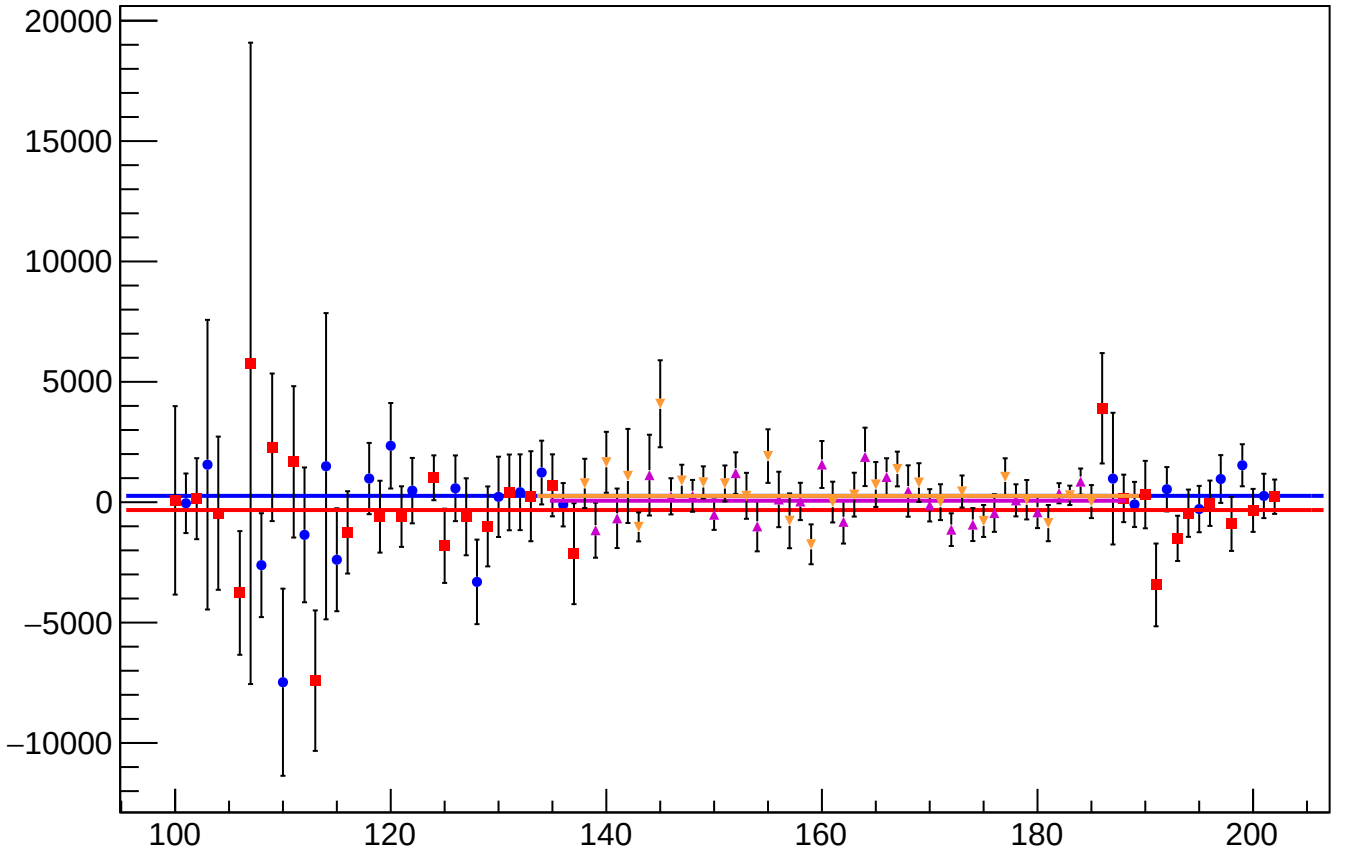
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2484.766+/-0.341 χ^2/NDF: 889407.7/51

In: 2404.652+/-0.308 χ^2/NDF:287394.4/45

Out: 2430.795+/-0.297 χ^2/NDF:725853.2/53

All: 2418.201+/-0.213 χ^2/NDF: 1016991.8/99



Right In: 264.146+/-276.221 χ^2/NDF: 17.6/22

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -325.321+/-252.734 χ^2/NDF: 24.1/28

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

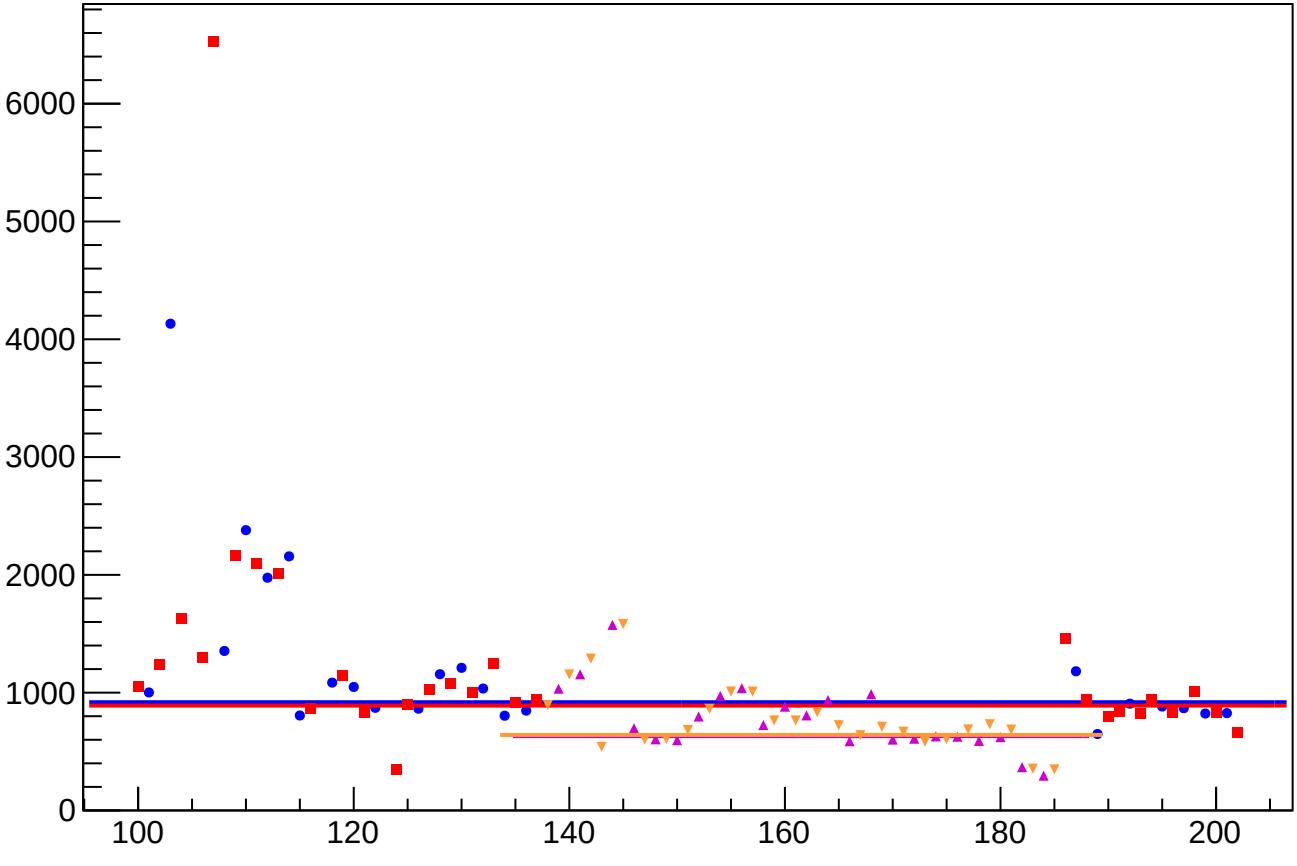
Right: -56.710+/-186.461 χ^2/NDF: 44.1/51

In: 111.528+/-136.751 χ^2/NDF:39.9/45

Out: 103.077+/-131.516 χ^2/NDF:59.1/53

All: 107.138+/-94.793 χ^2/NDF: 99.1/99

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 918.835+/-0.195 χ^2/NDF: 1724528.6/22

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 890.357+/-0.179 χ^2/NDF: 2805609.1/28

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

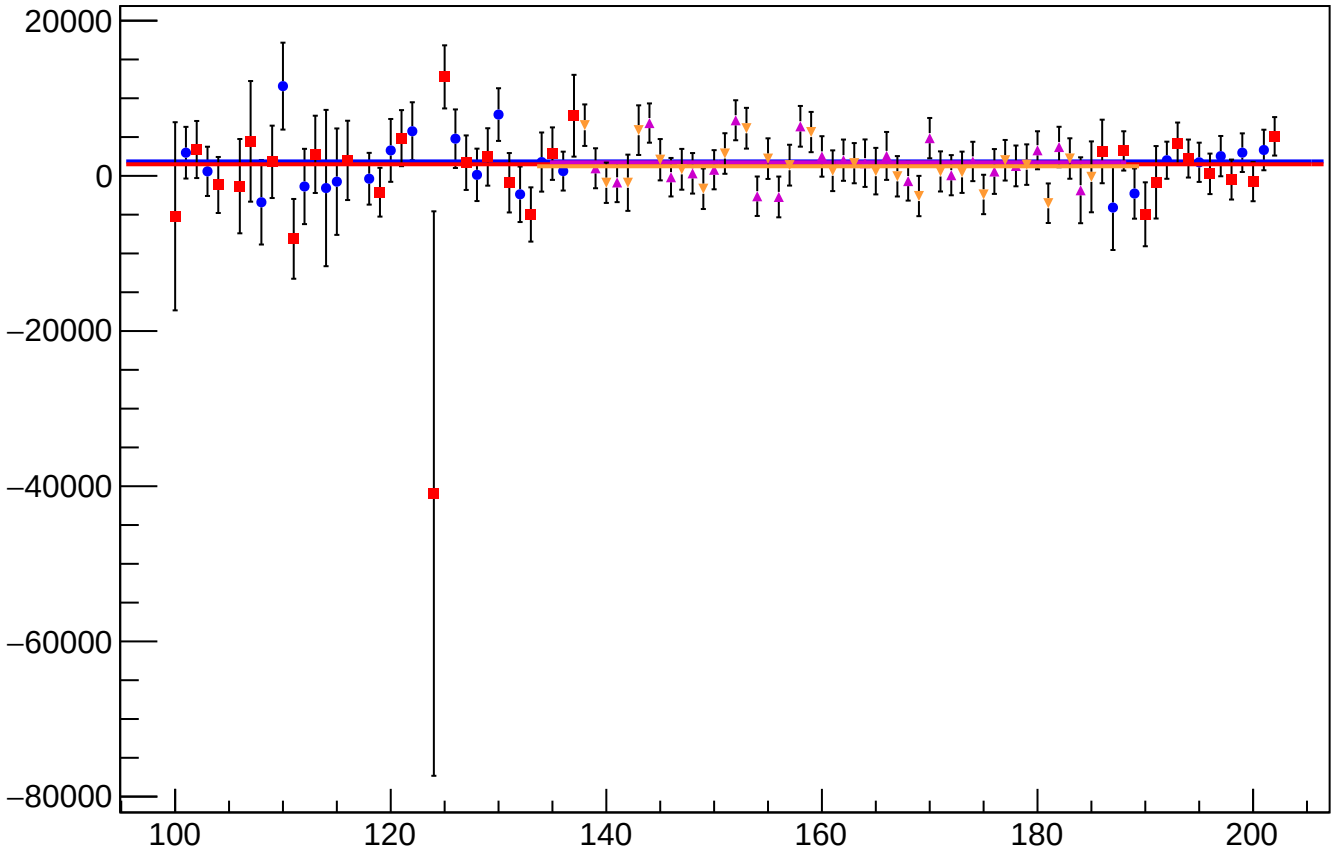
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 903.334+/-0.132 χ^2/NDF: 4541709.2/51

In: 701.697+/-0.097 χ^2/NDF:7337283.2/45

Out: 708.647+/-0.093 χ^2/NDF:7697975.2/53

All: 705.307+/-0.067 χ^2/NDF: 15037942.0/99



Right In: 1861.619+/-703.880 χ^2/NDF: 15.7/22

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1493.167+/-663.295 χ^2/NDF: 29.8/28

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

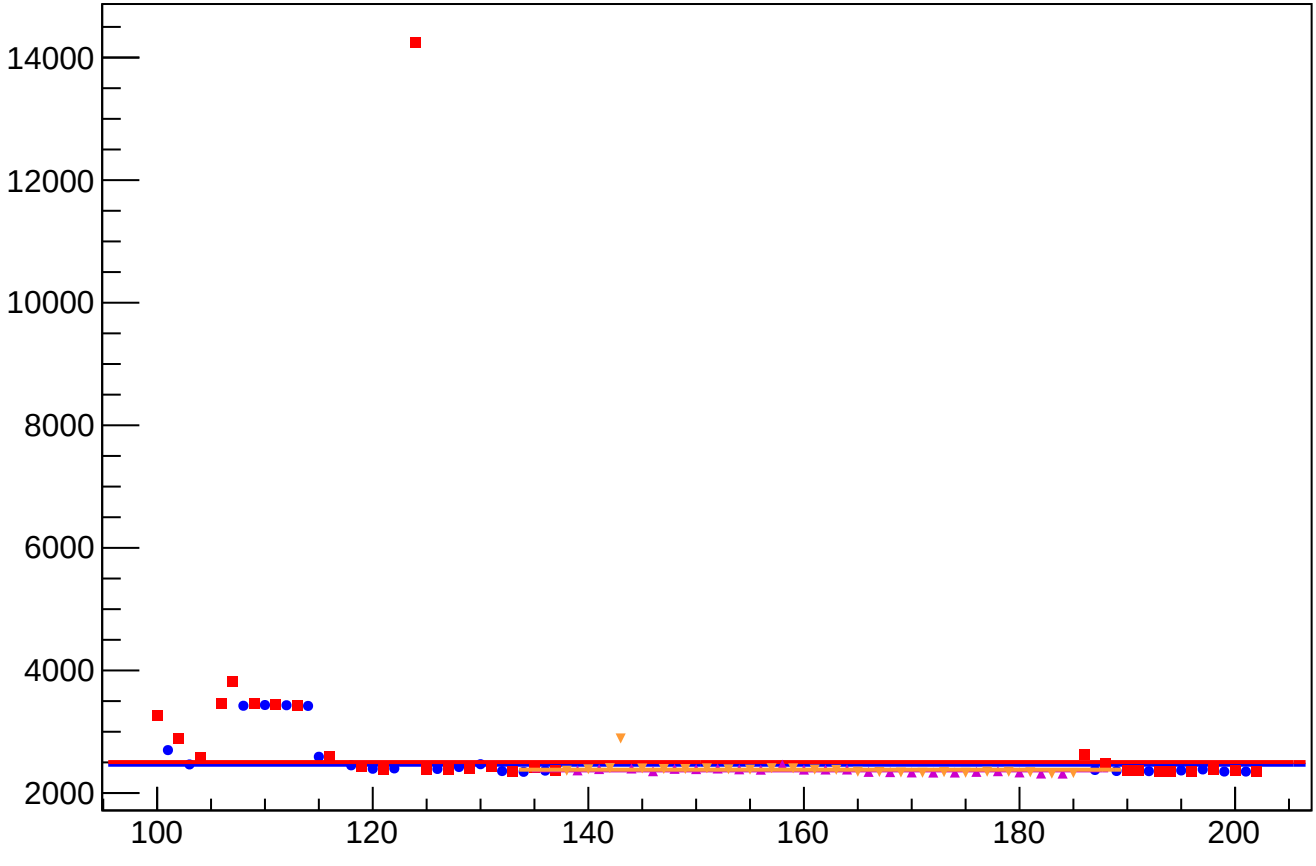
Right: 1666.465+/-482.731 χ^2/NDF: 45.6/51

In: 1787.546+/-434.972 χ^2/NDF:40.1/45

Out: 1338.024+/-419.370 χ^2/NDF:53.8/53

All: 1554.579+/-301.905 χ^2/NDF: 94.4/99

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2461.738+/-0.498 χ^2/NDF: 259078.2/22

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2505.214+/-0.469 χ^2/NDF: 626288.1/28

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

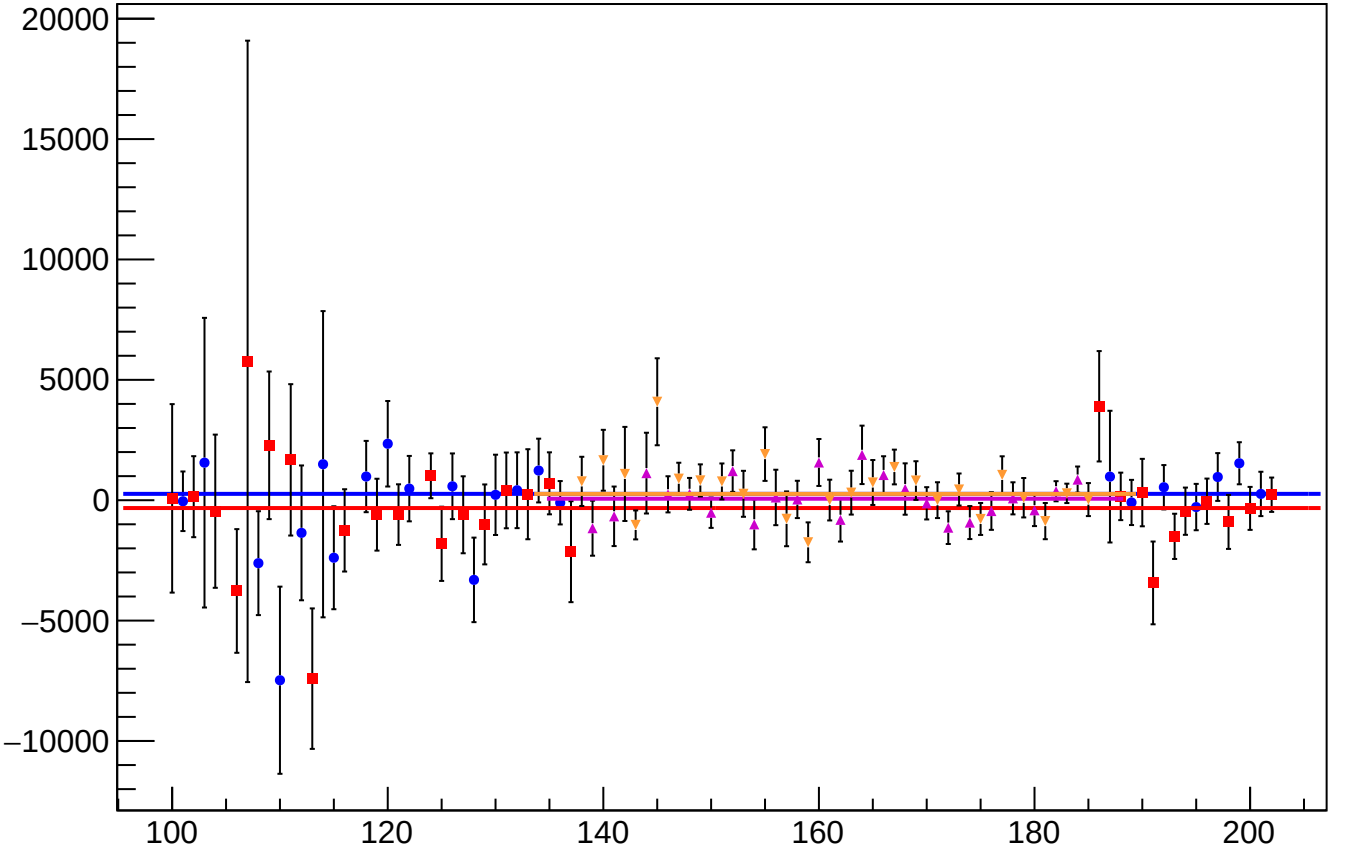
Right: 2484.766+/-0.341 χ^2/NDF: 889407.7/51

In: 2404.652+/-0.308 χ^2/NDF:287394.4/45

Out: 2430.795+/-0.297 χ^2/NDF:725853.2/53

All: 2418.201+/-0.213 χ^2/NDF: 1016991.8/99

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 264.146+/-276.221 χ^2/NDF: 17.6/22

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -325.321+/-252.734 χ^2/NDF: 24.1/28

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

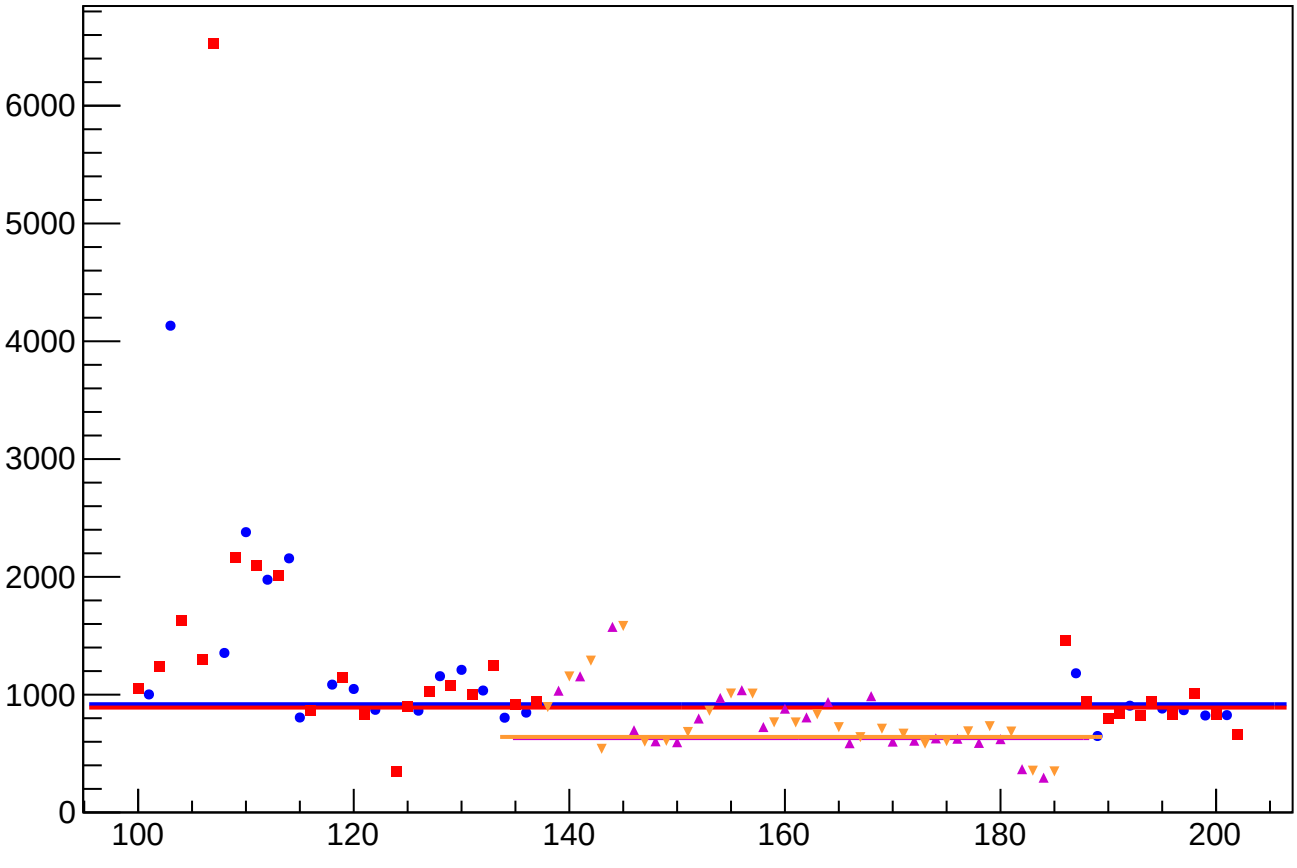
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -56.710+/-186.461 χ^2/NDF: 44.1/51

In: 111.528+/-136.751 χ^2/NDF:39.9/45

Out: 103.077+/-131.516 χ^2/NDF:59.1/53

All: 107.138+/-94.793 χ^2/NDF: 99.1/99



Right In: 918.835+/-0.195 χ^2/NDF: 1724528.6/22

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 890.357+/-0.179 χ^2/NDF: 2805609.1/28

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

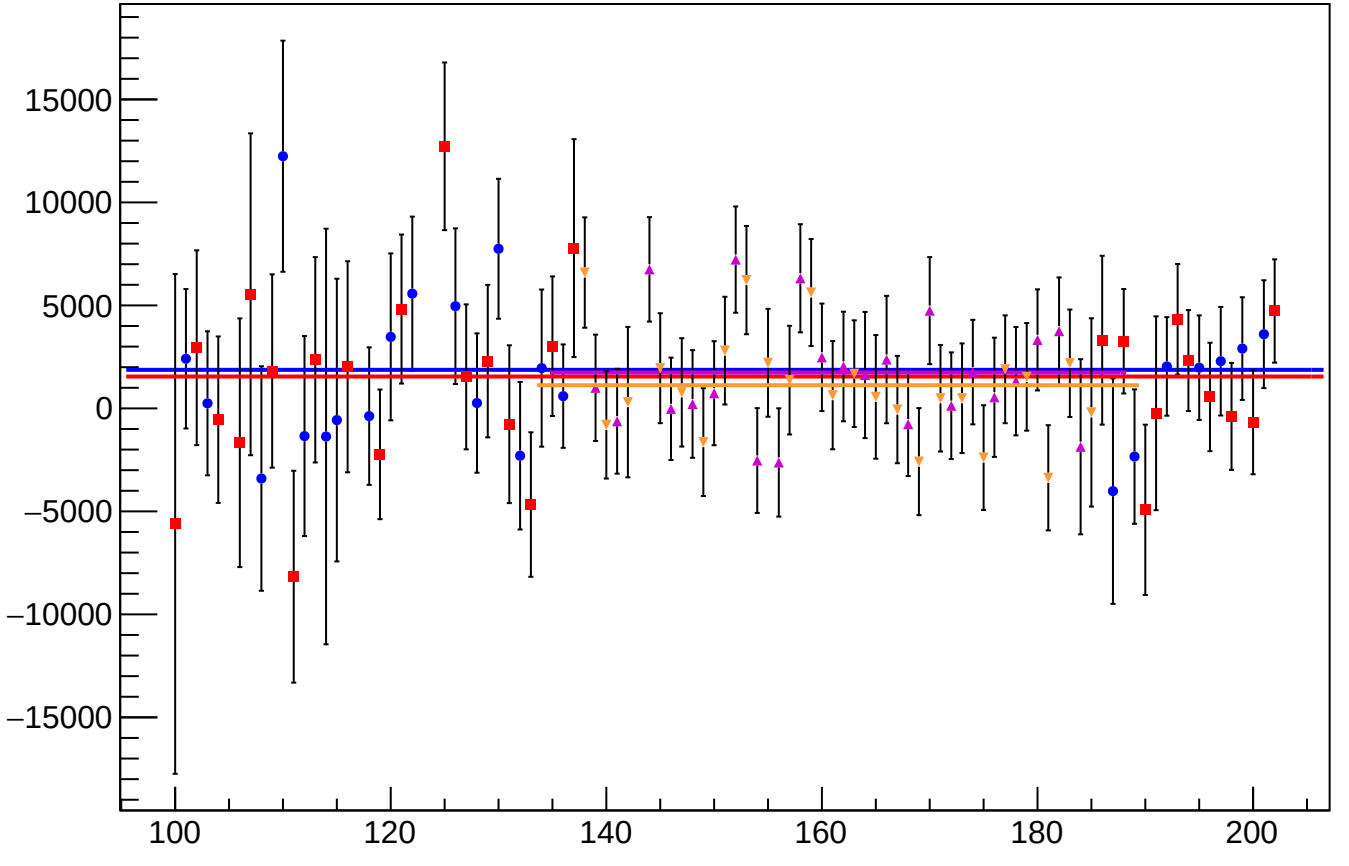
Right: 903.334+/-0.132 χ^2/NDF: 4541709.2/51

In: 701.697+/-0.097 χ^2/NDF:7337283.2/45

Out: 708.647+/-0.093 χ^2/NDF:7697975.2/53

All: 705.307+/-0.067 χ^2/NDF: 15037942.0/99

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1872.289+/-709.260 χ^2/NDF: 15.8/22

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1546.970+/-672.078 χ^2/NDF: 27.3/27

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

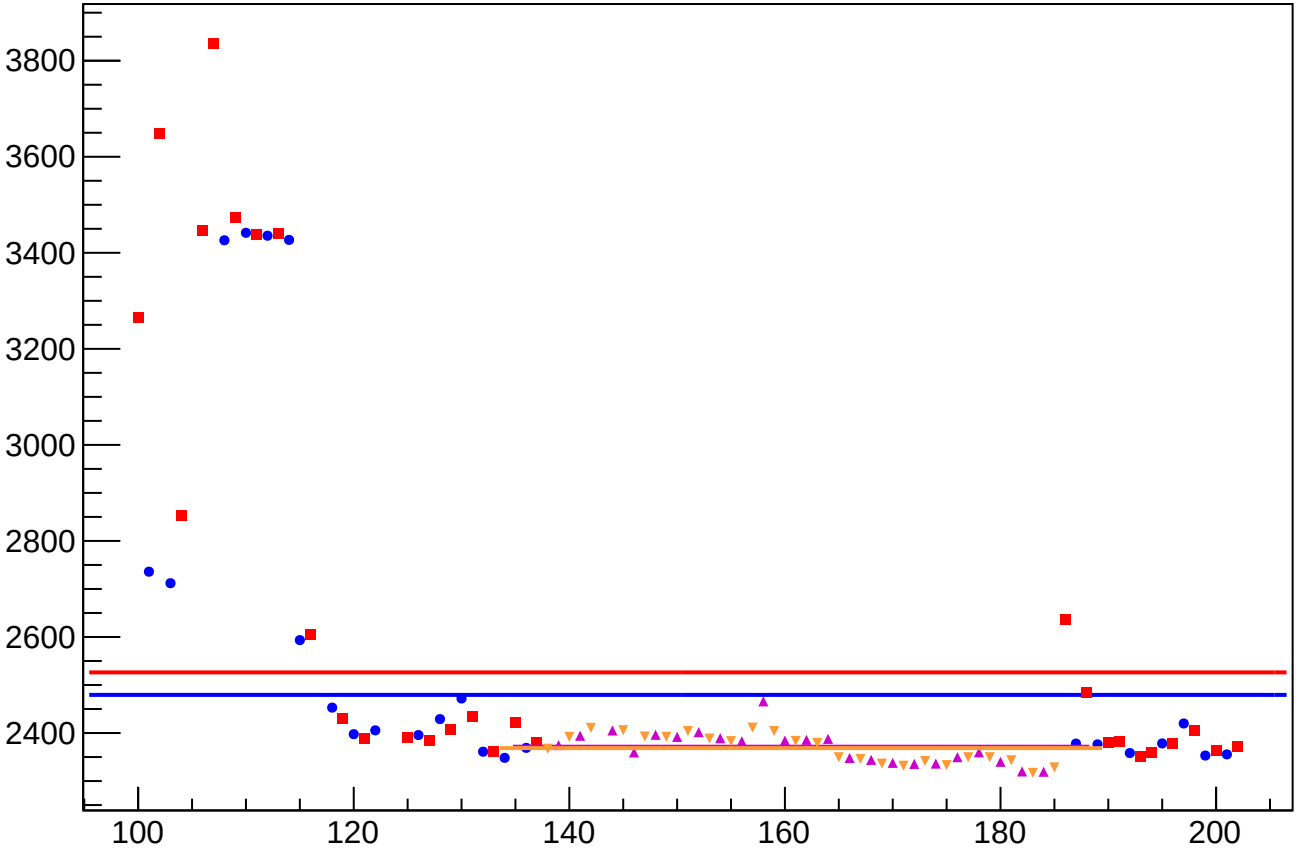
Right: 1700.879+/-487.846 χ^2/NDF: 43.2/50

In: 1791.532+/-436.478 χ^2/NDF:39.6/45

Out: 1294.524+/-425.563 χ^2/NDF:48.7/51

All: 1536.736+/-304.704 χ^2/NDF: 89.0/97

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2479.409+/-0.502 χ^2/NDF: 268484.2/22

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2526.274+/-0.475 χ^2/NDF: 519924.8/27

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

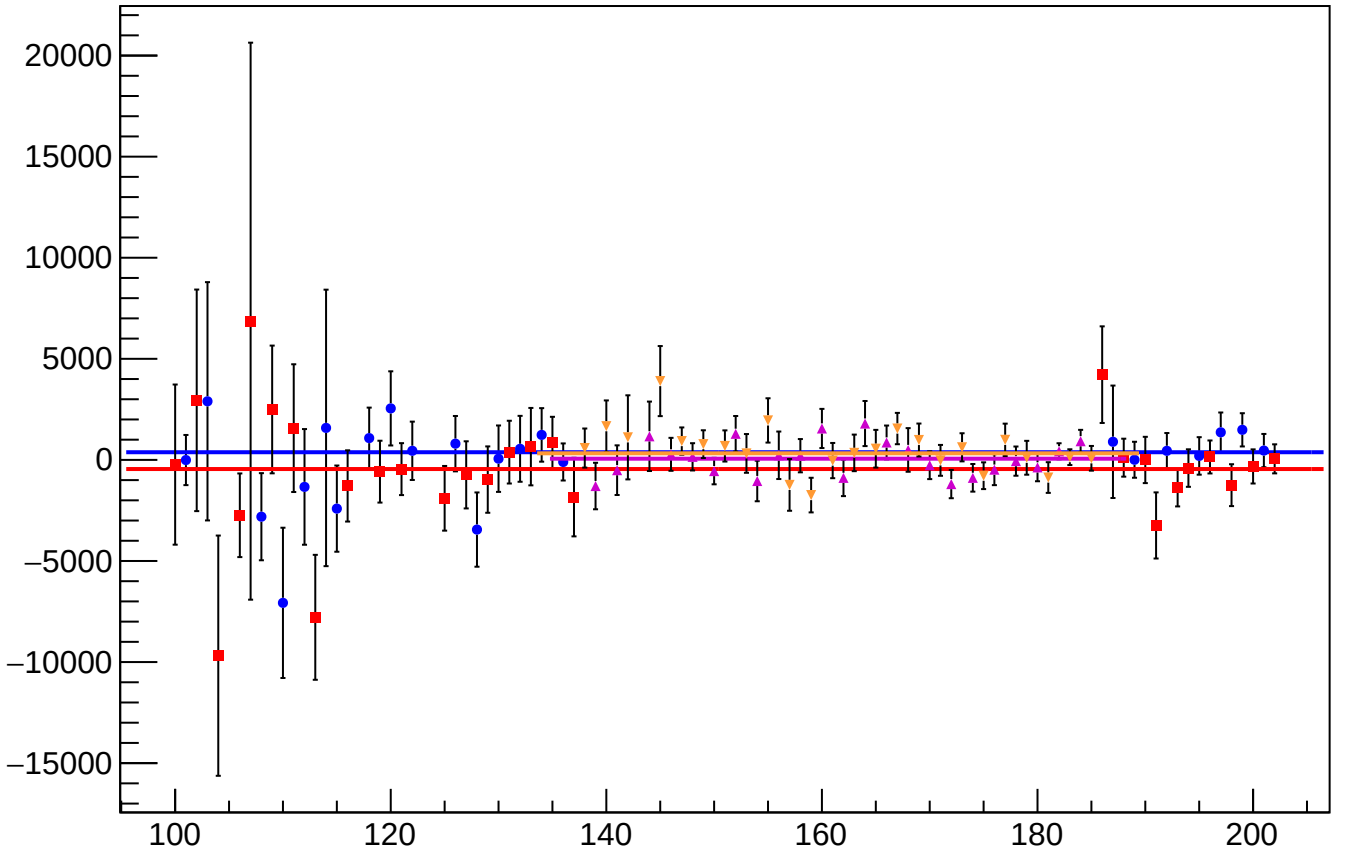
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2504.102+/-0.345 χ^2/NDF: 793009.8/50

In: 2412.378+/-0.309 χ^2/NDF:304290.6/45

Out: 2431.800+/-0.301 χ^2/NDF:591465.8/51

All: 2422.335+/-0.215 χ^2/NDF: 897786.5/97



Right In: 379.165+/-269.926 χ^2/NDF: 18.5/22

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -451.810+/-255.754 χ^2/NDF: 24.5/27

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

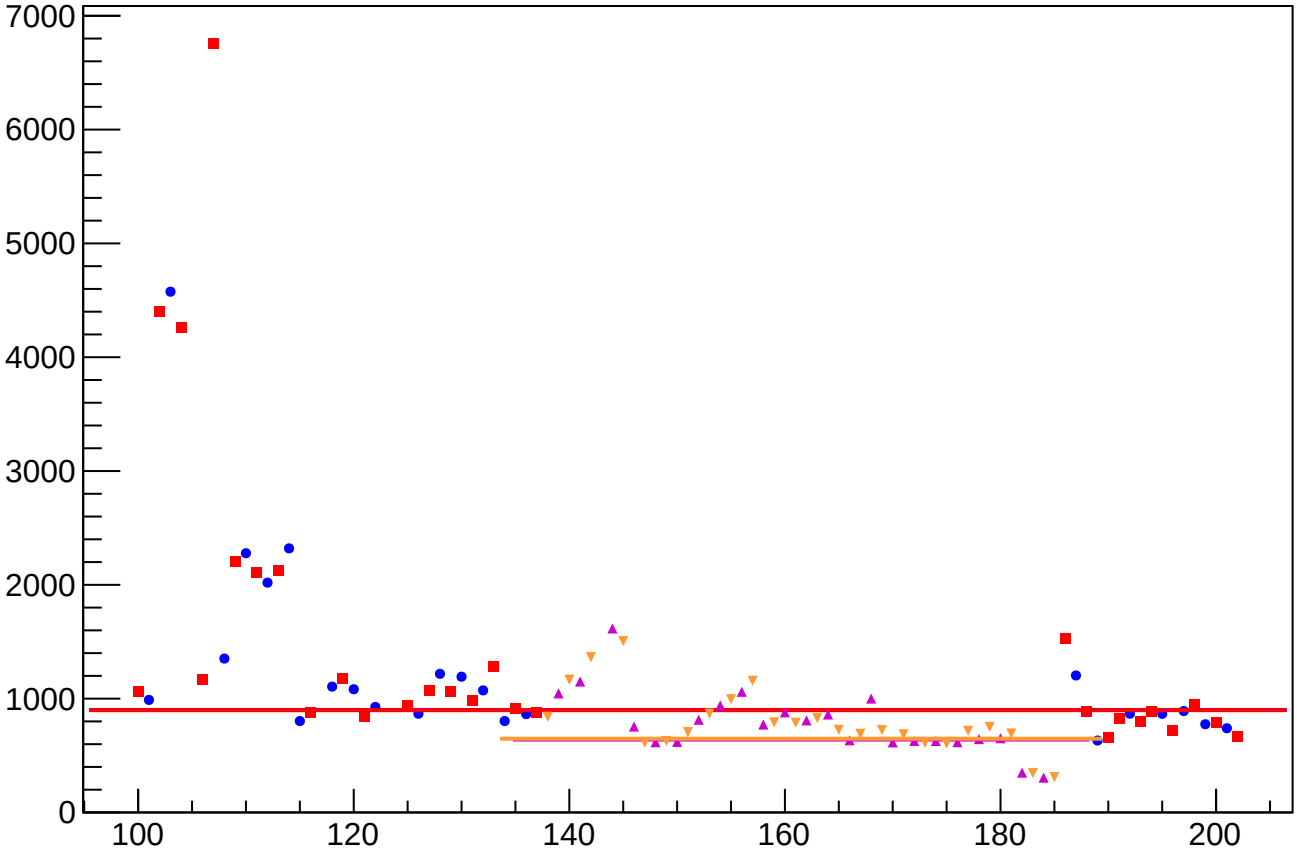
Right: -58.709+/-185.653 χ^2/NDF: 48.0/50

In: 142.448+/-137.426 χ^2/NDF:42.2/45

Out: 107.098+/-135.668 χ^2/NDF:57.9/51

All: 124.545+/-96.547 χ^2/NDF: 100.2/97

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 900.499+/-0.191 χ^2/NDF: 2098949.3/22

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 898.735+/-0.181 χ^2/NDF: 3602093.5/27

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

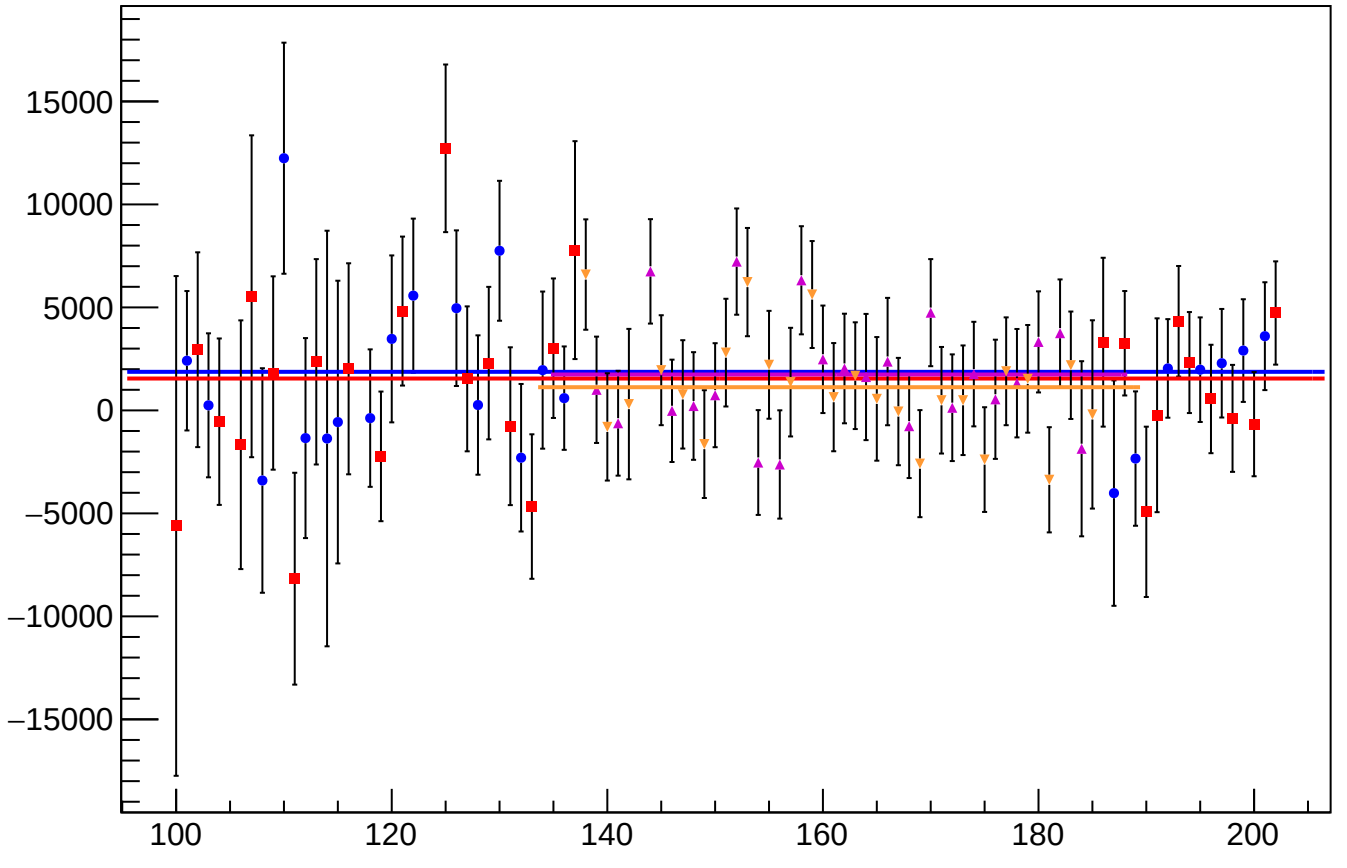
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

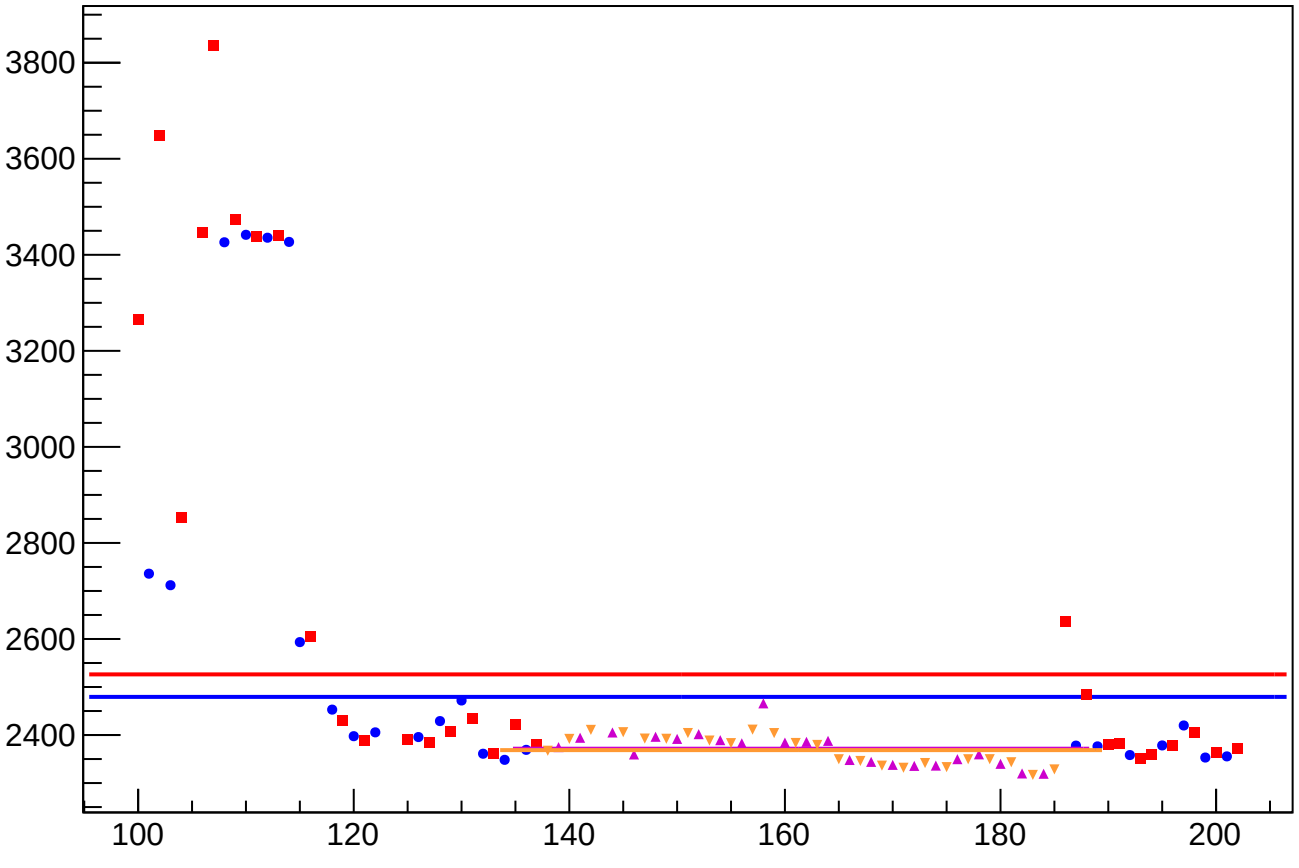
Right: 899.570+/-0.131 χ^2/NDF: 5701087.8/50

In: 707.836+/-0.097 χ^2/NDF:7603144.8/45

Out: 718.627+/-0.096 χ^2/NDF:8869345.5/51

All: 713.301+/-0.068 χ^2/NDF: 16478735.4/97


eigen_dit_asym_atl1_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1872.287+/-709.260 χ²/NDF: 15.8/22
Left Out: 1125.562+/-549.834 χ²/NDF:21.2/23
Right Out: 1546.968+/-672.078 χ²/NDF: 27.3/27
Left In: 1742.305+/-553.755 χ²/NDF:23.8/22
Left: 1431.742+/-390.170 χ²/NDF: 45.6/46
Right: 1700.877+/-487.846 χ²/NDF: 43.2/50
In: 1791.531+/-436.478 χ²/NDF:39.6/45
Out: 1294.524+/-425.563 χ²/NDF:48.7/51
All: 1536.736+/-304.704 χ²/NDF: 89.0/97



Right In: 2479.409+/-0.502 χ^2/NDF: 268483.8/22

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2526.273+/-0.475 χ^2/NDF: 519924.0/27

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

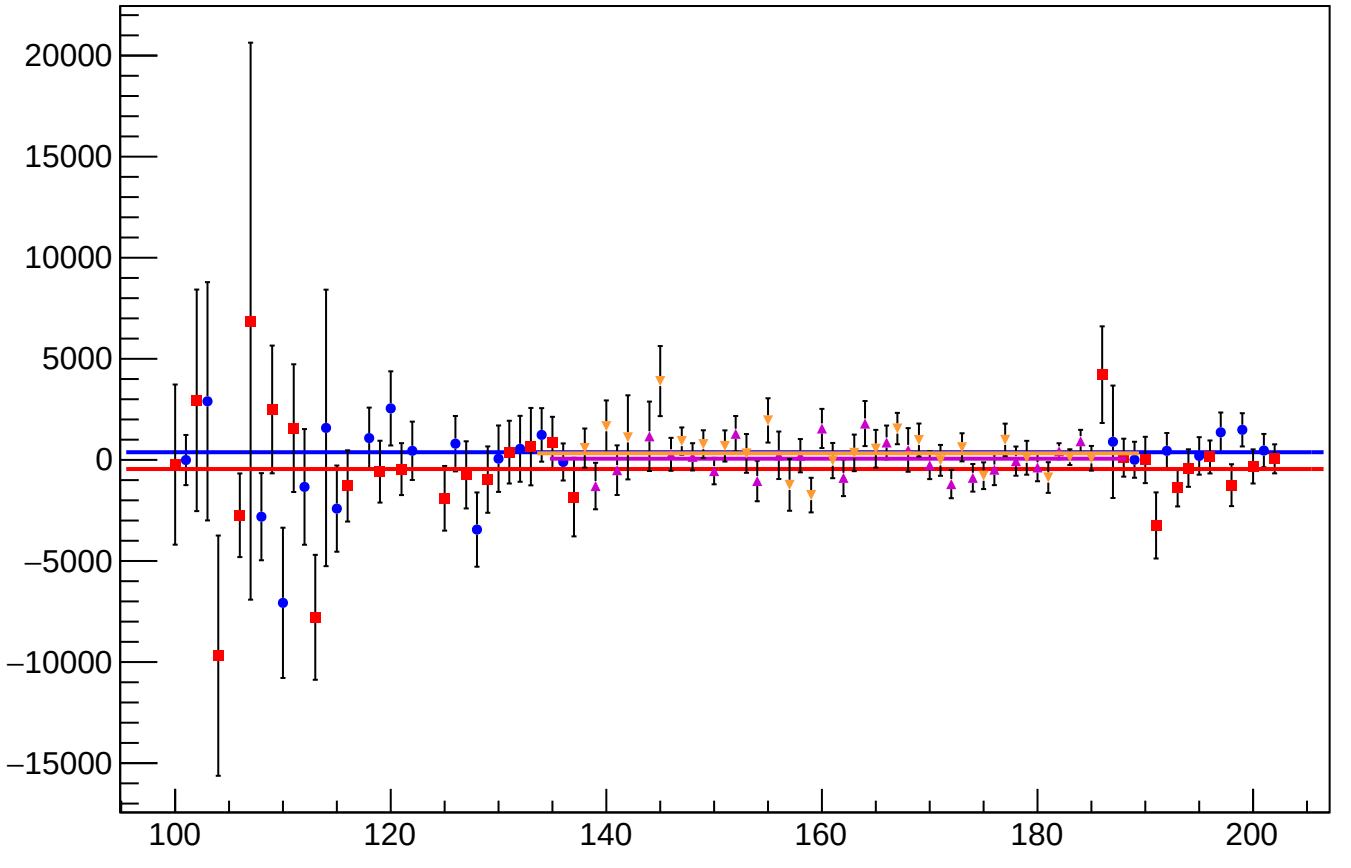
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2504.102+/-0.345 χ^2/NDF: 793008.5/50

In: 2412.378+/-0.309 χ^2/NDF:304290.1/45

Out: 2431.800+/-0.301 χ^2/NDF:591464.8/51

All: 2422.335+/-0.215 χ^2/NDF: 897785.0/97



Right In: 379.164+/-269.926 χ^2/NDF: 18.5/22

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -451.811+/-255.753 χ^2/NDF: 24.5/27

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

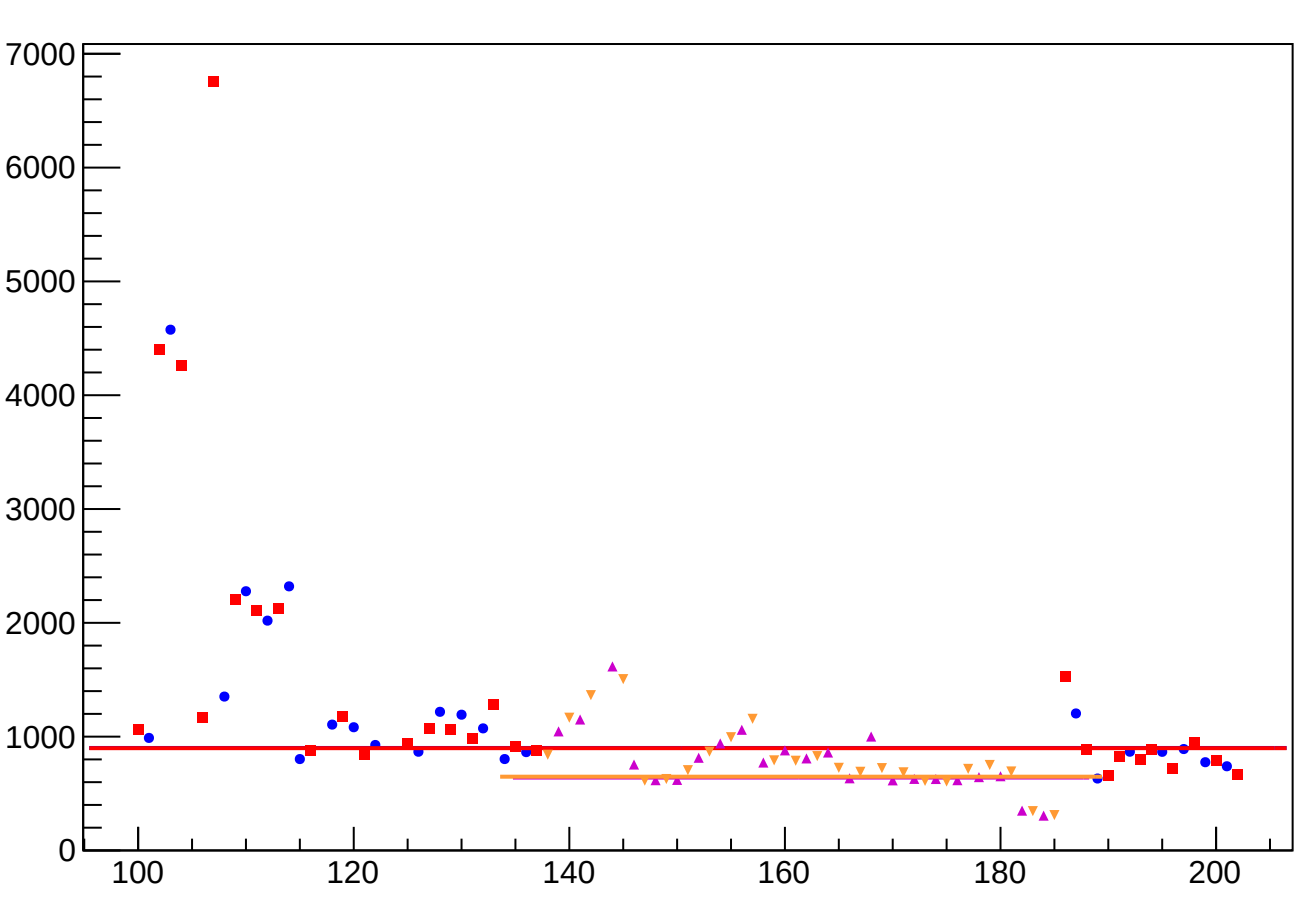
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -58.710+/-185.653 χ^2/NDF: 48.0/50

In: 142.448+/-137.426 χ^2/NDF:42.2/45

Out: 107.097+/-135.668 χ^2/NDF:57.9/51

All: 124.545+/-96.548 χ^2/NDF: 100.2/97



Right In: 900.499+/-0.191 χ^2/NDF: 2098946.7/22

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 898.735+/-0.181 χ^2/NDF: 3602090.0/27

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

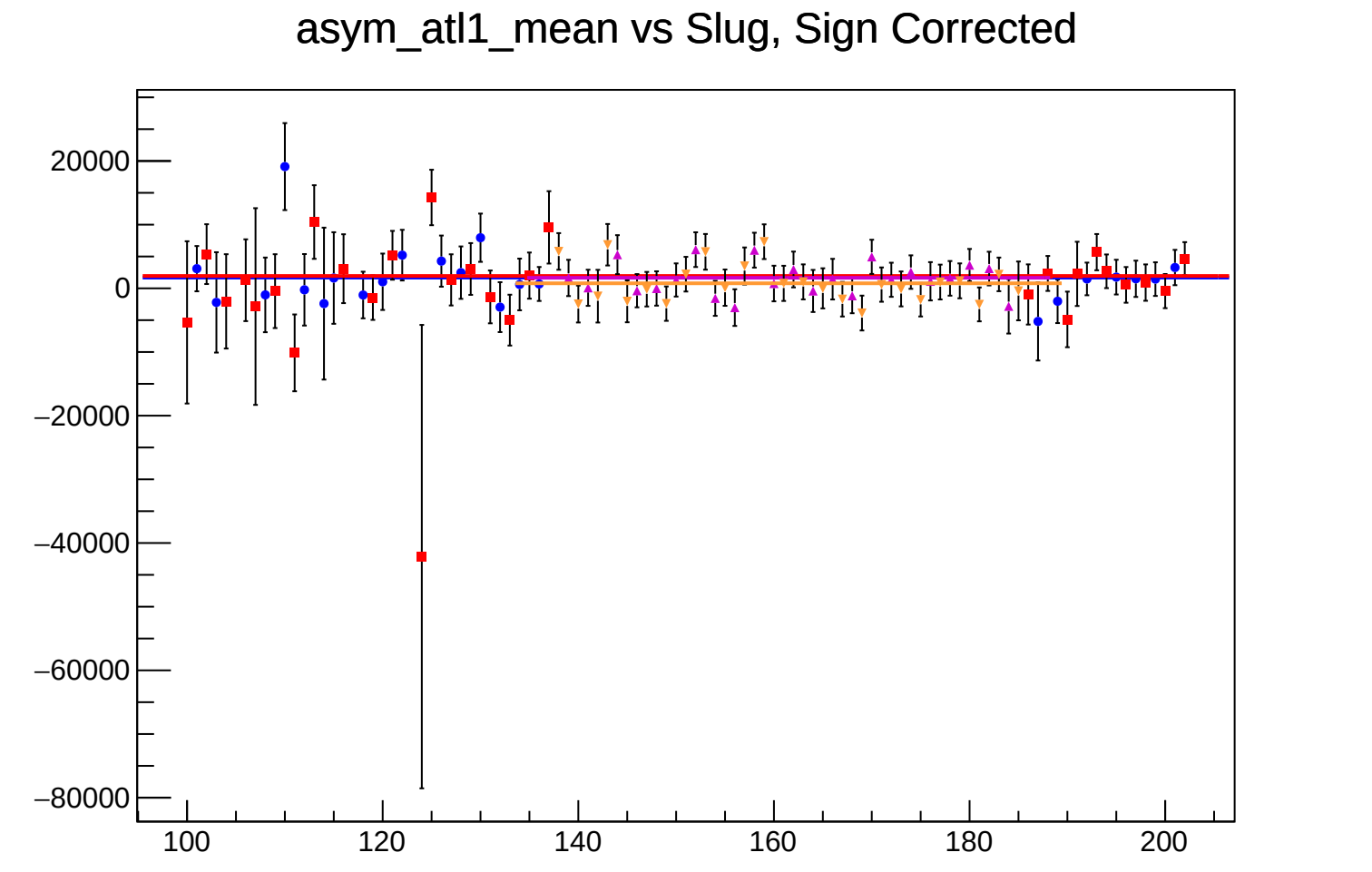
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 899.569+/-0.131 χ^2/NDF: 5701081.6/50

In: 707.837+/-0.097 χ^2/NDF:7603145.4/45

Out: 718.628+/-0.096 χ^2/NDF:8869341.0/51

All: 713.302+/-0.068 χ^2/NDF: 16478731.7/97



Right In: 1684.736+/-779.795 χ^2/NDF: 16.3/22

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1942.429+/-735.767 χ^2/NDF: 31.2/28

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

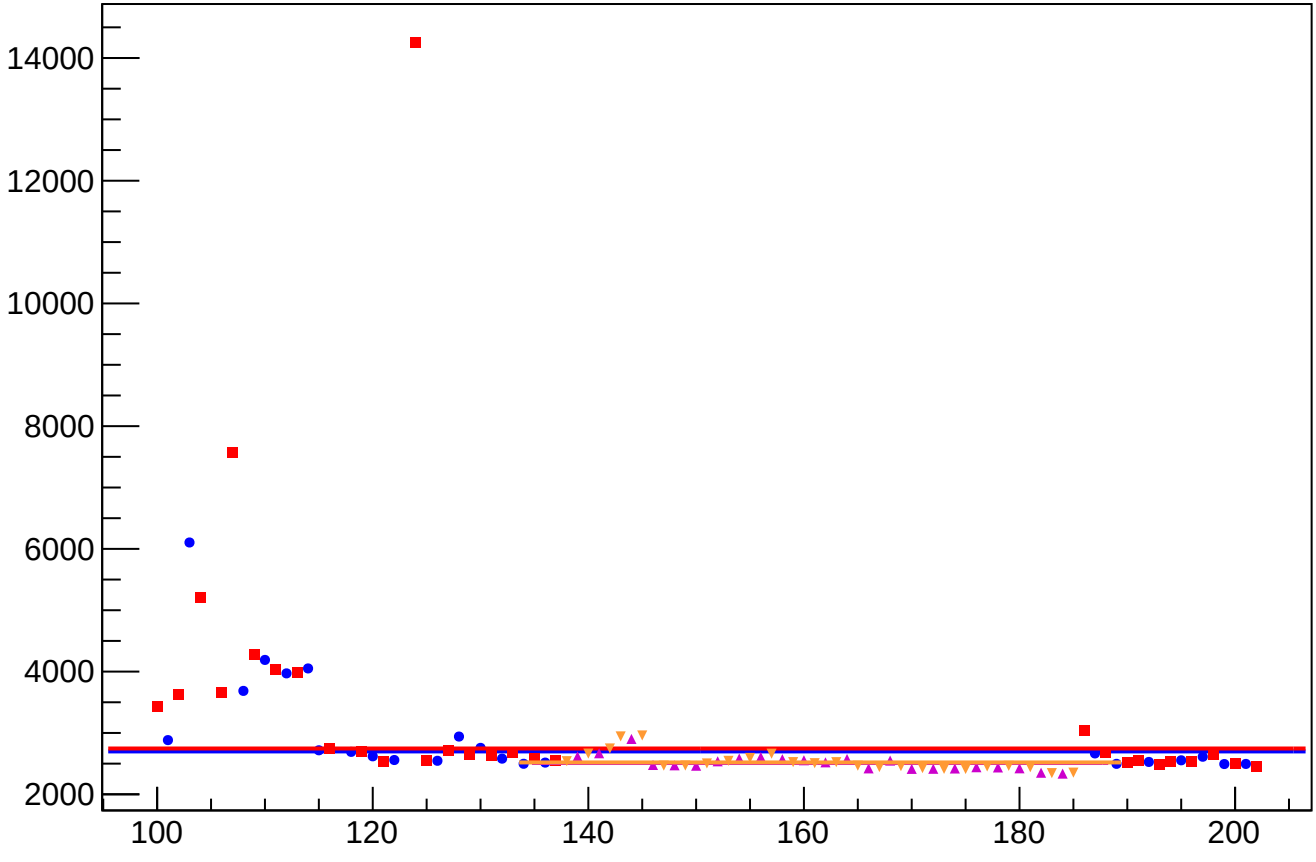
Right: 1821.063+/-535.154 χ^2/NDF: 47.6/51

In: 1665.511+/-468.859 χ^2/NDF:33.6/45

Out: 1226.221+/-452.210 χ^2/NDF:59.9/53

All: 1437.928+/-325.487 χ^2/NDF: 94.0/99

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2698.993+/-0.551 χ^2/NDF: 734971.5/22

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2746.609+/-0.520 χ^2/NDF: 1176159.9/28

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

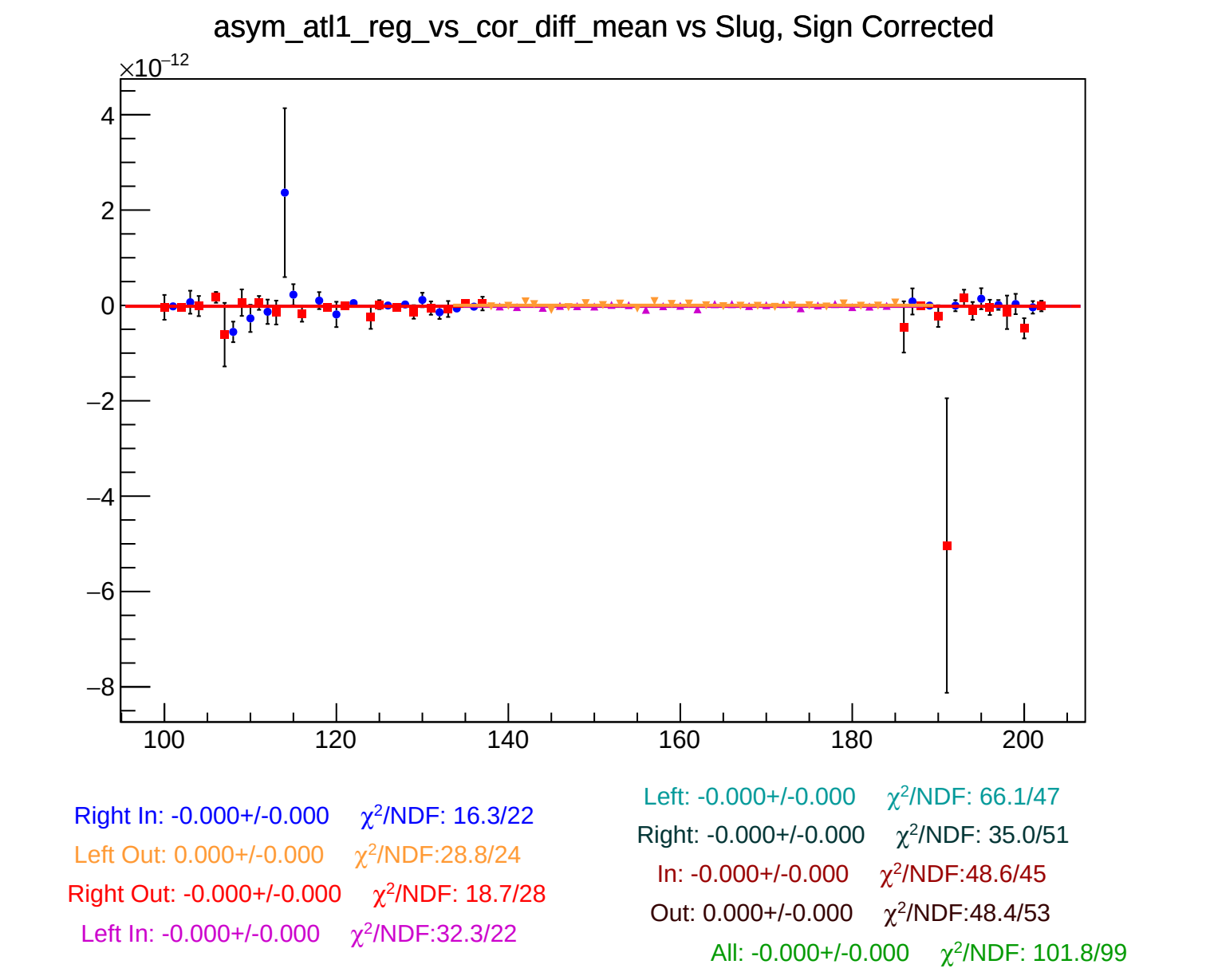
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

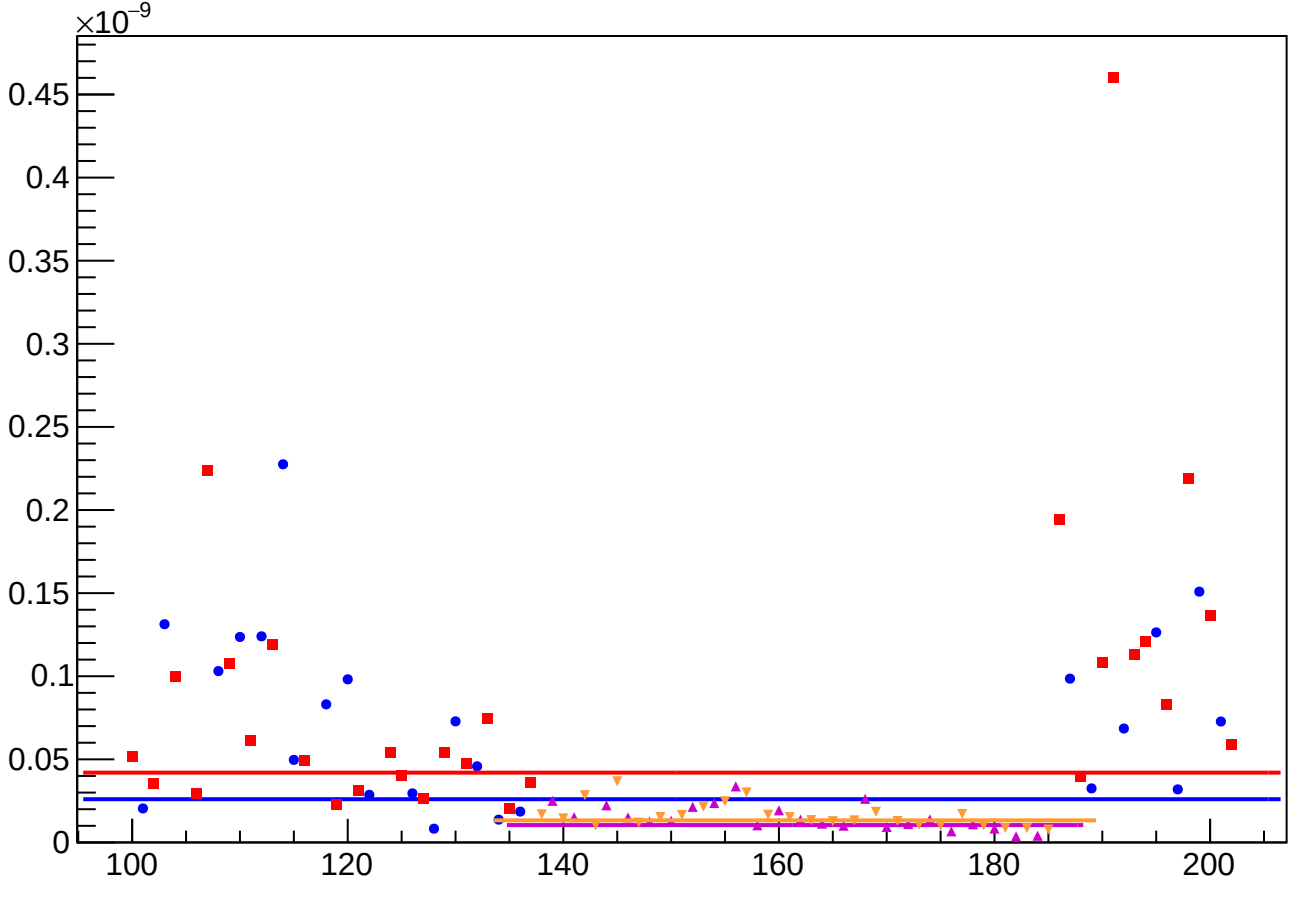
Right: 2724.183+/-0.378 χ^2/NDF: 1915076.5/51

In: 2578.423+/-0.332 χ^2/NDF:883628.2/45

Out: 2605.299+/-0.320 χ^2/NDF:1409921.4/53

All: 2592.347+/-0.230 χ^2/NDF: 2296954.4/99


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.3/22
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.7/28
Left In: -0.000+/-0.000 χ²/NDF:32.3/22
Left: -0.000+/-0.000 χ²/NDF: 66.1/47
Right: -0.000+/-0.000 χ²/NDF: 35.0/51
In: -0.000+/-0.000 χ²/NDF:48.6/45
Out: 0.000+/-0.000 χ²/NDF:48.4/53
All: -0.000+/-0.000 χ²/NDF: 101.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 4230255.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3549747.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

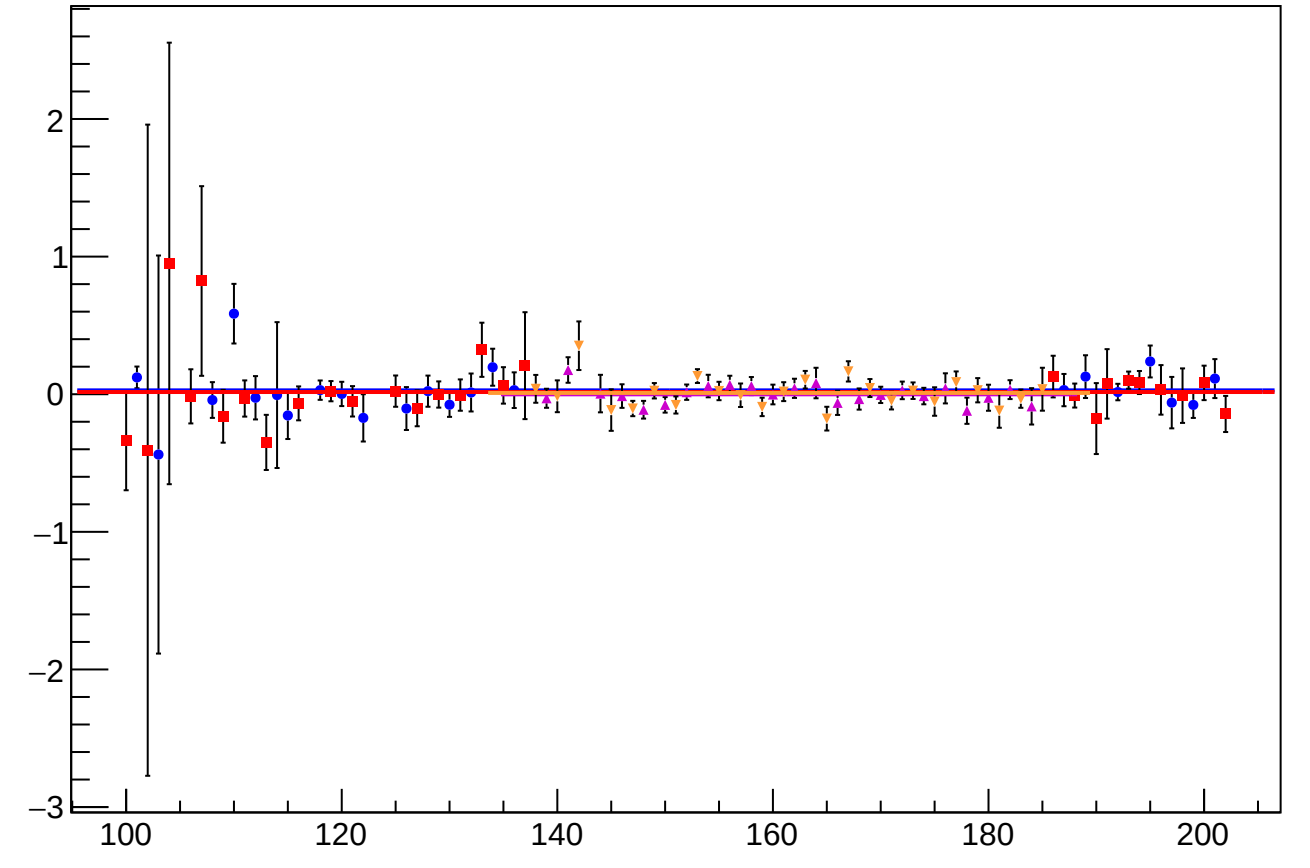
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8488897.2/51

In: 0.000+/-0.000 χ^2/NDF:8763018.4/45

Out: 0.000+/-0.000 χ^2/NDF:8375061.6/53

All: 0.000+/-0.000 χ^2/NDF: 17565466.0/99



Right In: 0.028+/-0.024 χ^2/NDF: 20.4/22

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.016+/-0.024 χ^2/NDF: 17.2/27

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

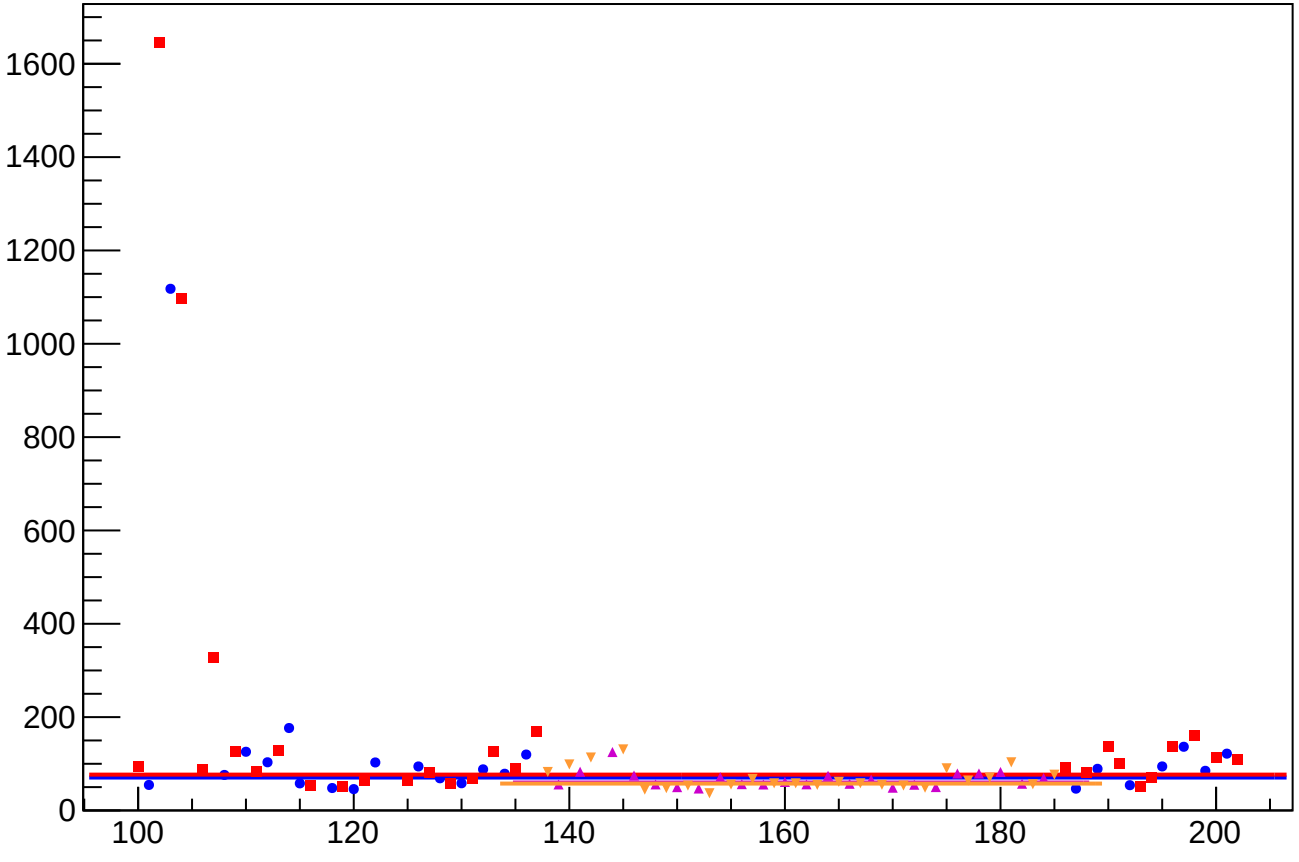
Right: 0.022+/-0.017 χ^2/NDF: 37.8/50

In: 0.008+/-0.013 χ^2/NDF:37.0/45

Out: 0.011+/-0.013 χ^2/NDF:52.0/51

All: 0.010+/-0.009 χ^2/NDF: 89.0/97

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.524+/-0.017 χ^2/NDF: 3190769.9/22

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311224.1/27

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

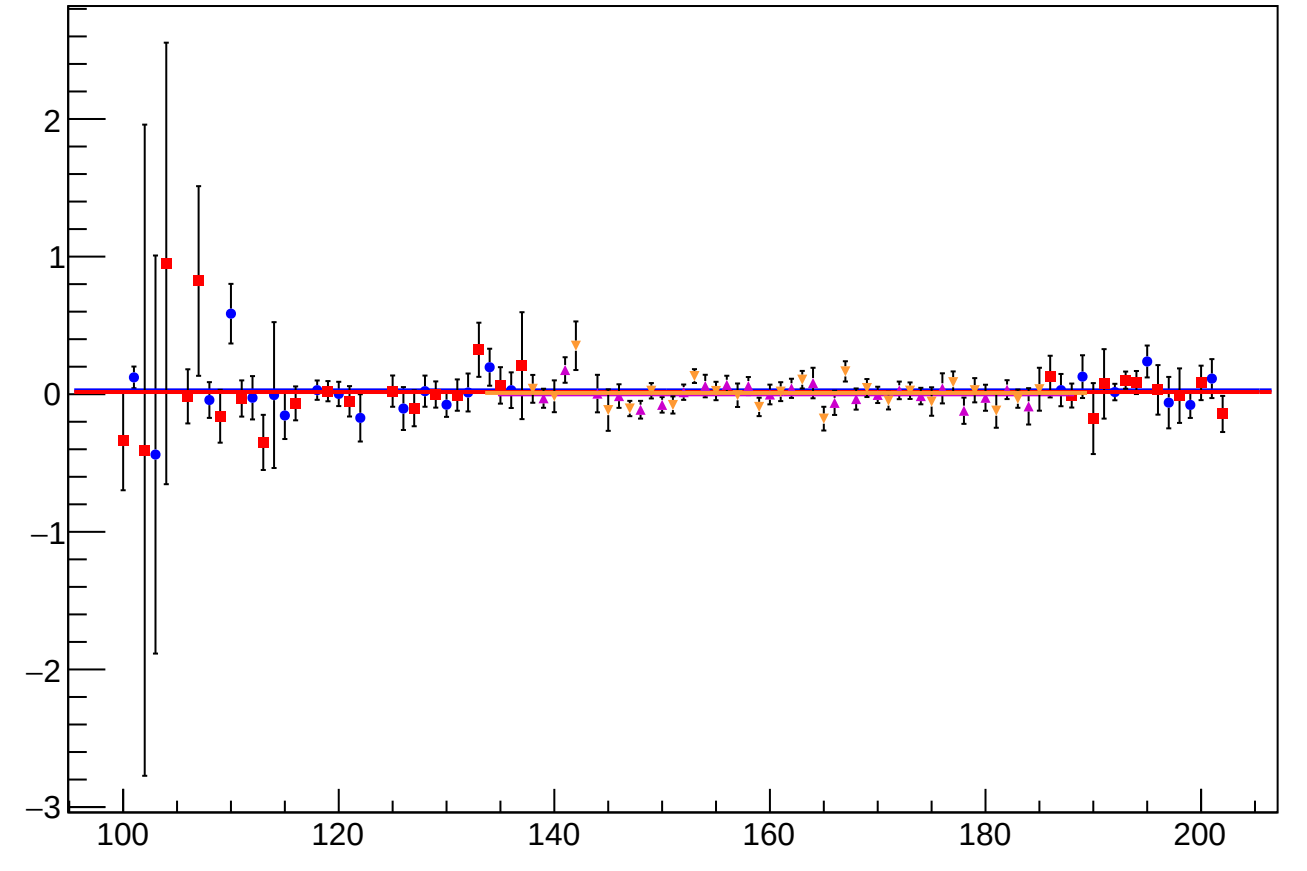
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 73.584+/-0.012 χ^2/NDF: 7569473.8/50

In: 63.002+/-0.009 χ^2/NDF:4814381.1/45

Out: 62.915+/-0.009 χ^2/NDF:7417204.9/51

All: 62.958+/-0.006 χ^2/NDF: 12231631.0/97



Right In: 0.028+/-0.024 χ^2/NDF: 20.4/22

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.016+/-0.024 χ^2/NDF: 17.2/27

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

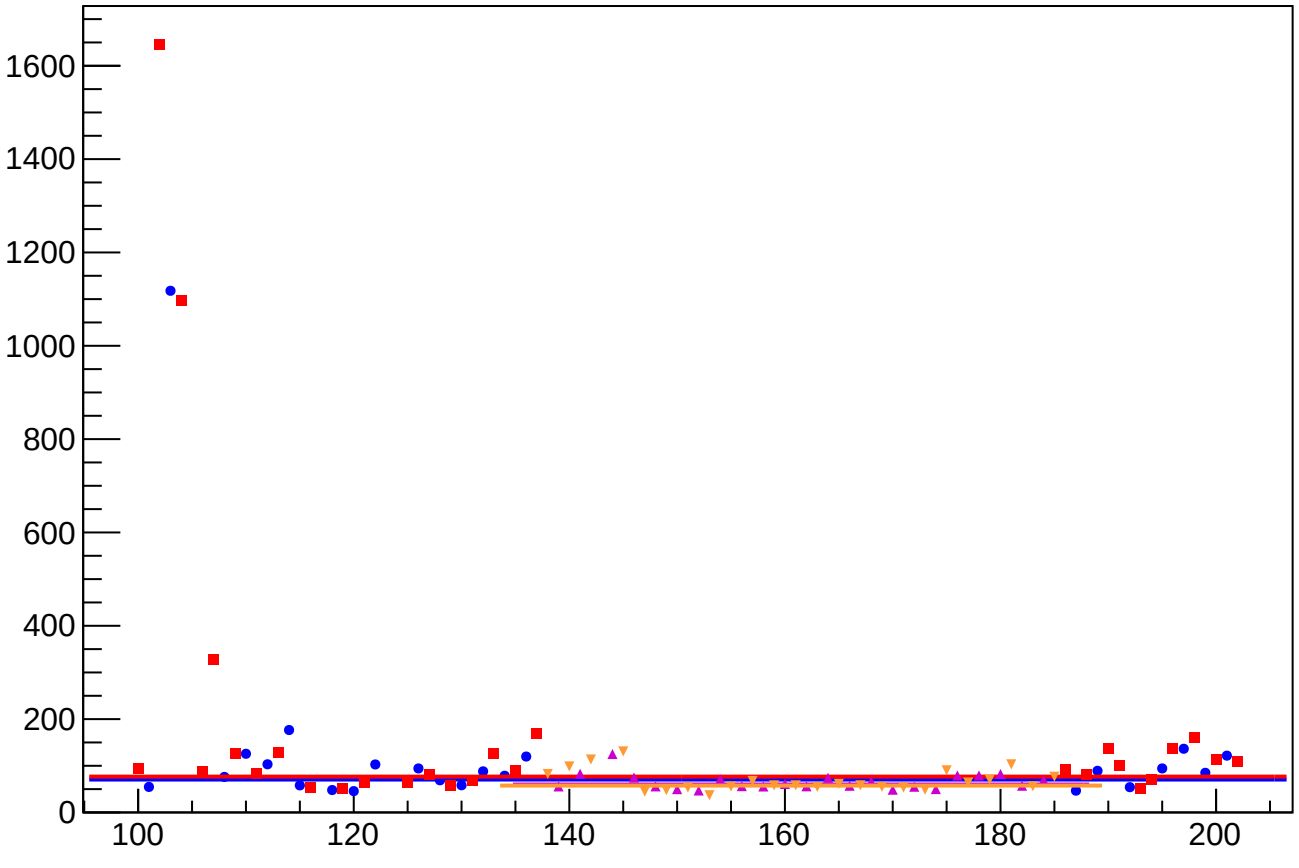
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.022+/-0.017 χ^2/NDF: 37.8/50

In: 0.008+/-0.013 χ^2/NDF:37.0/45

Out: 0.011+/-0.013 χ^2/NDF:52.0/51

All: 0.010+/-0.009 χ^2/NDF: 89.0/97



Right In: 70.524+/-0.017 χ^2/NDF: 3190769.9/22

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311224.1/27

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

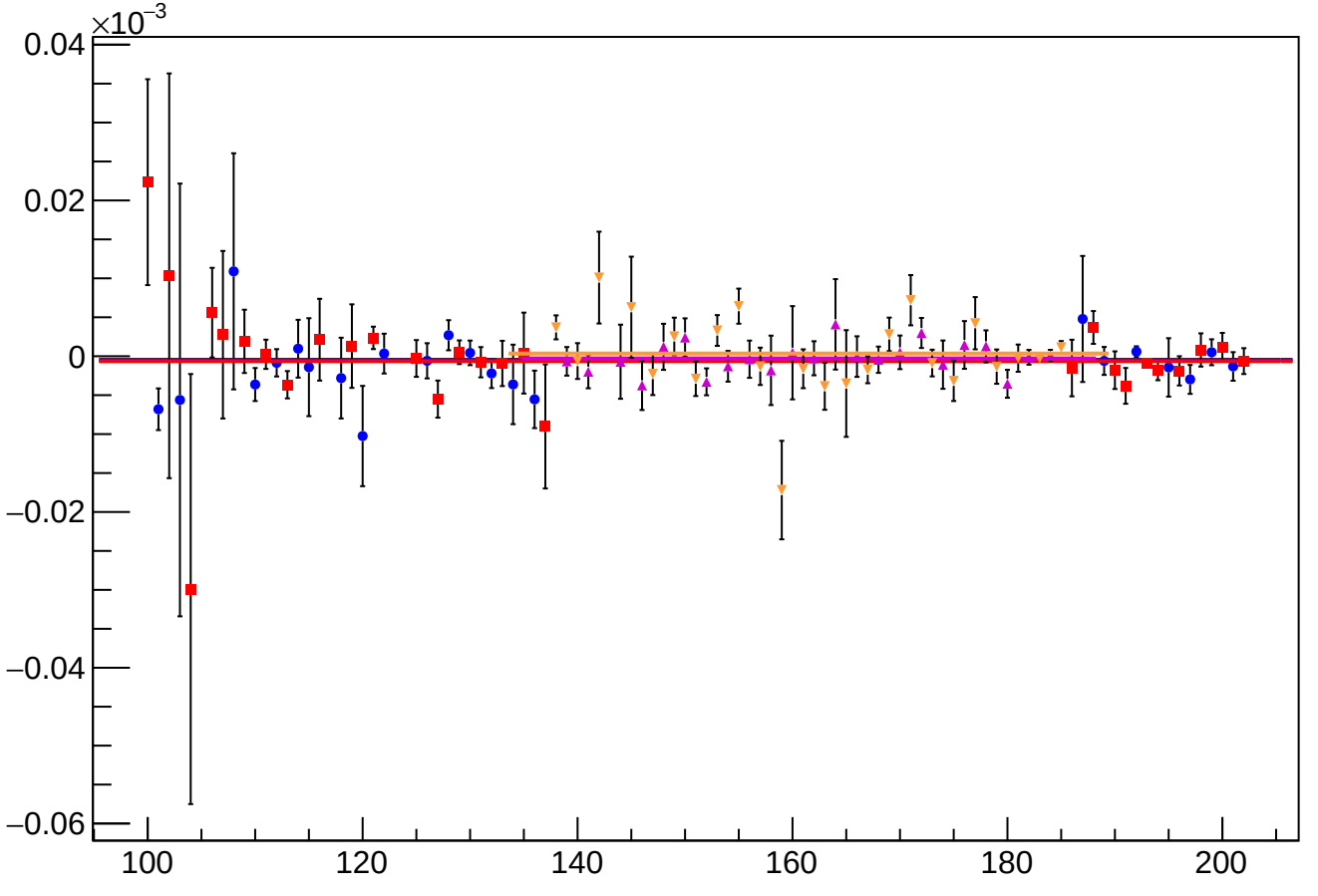
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 73.584+/-0.012 χ^2/NDF: 7569473.8/50

In: 63.002+/-0.009 χ^2/NDF:4814381.1/45

Out: 62.915+/-0.009 χ^2/NDF:7417204.9/51

All: 62.958+/-0.006 χ^2/NDF: 12231631.0/97



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/27

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

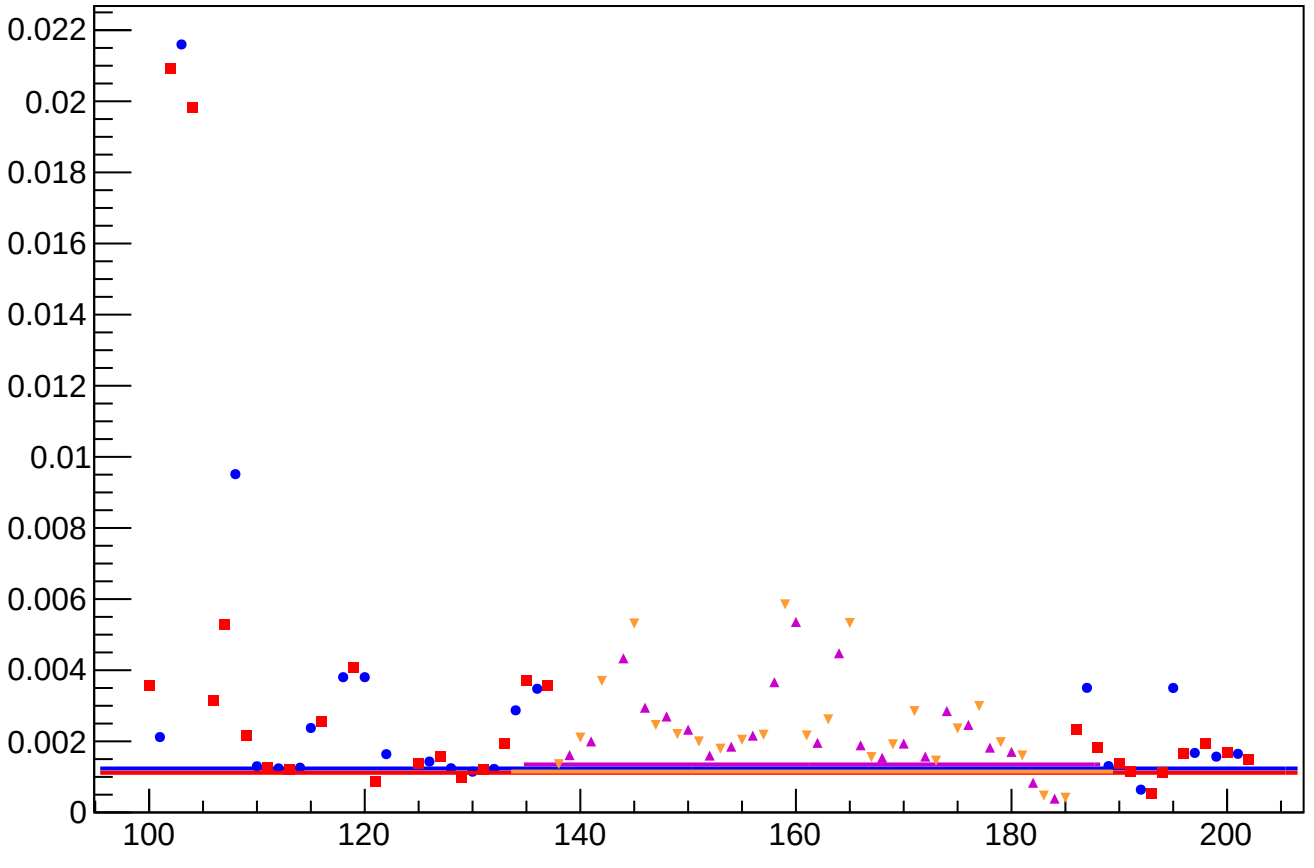
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 52.1/50

In: -0.000+/-0.000 χ^2/NDF:37.7/45

Out: -0.000+/-0.000 χ^2/NDF:80.0/51

All: -0.000+/-0.000 χ^2/NDF: 118.1/97



Right In: 0.001+/-0.000 χ^2/NDF: 6470507.5/22

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7776961.9/27

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

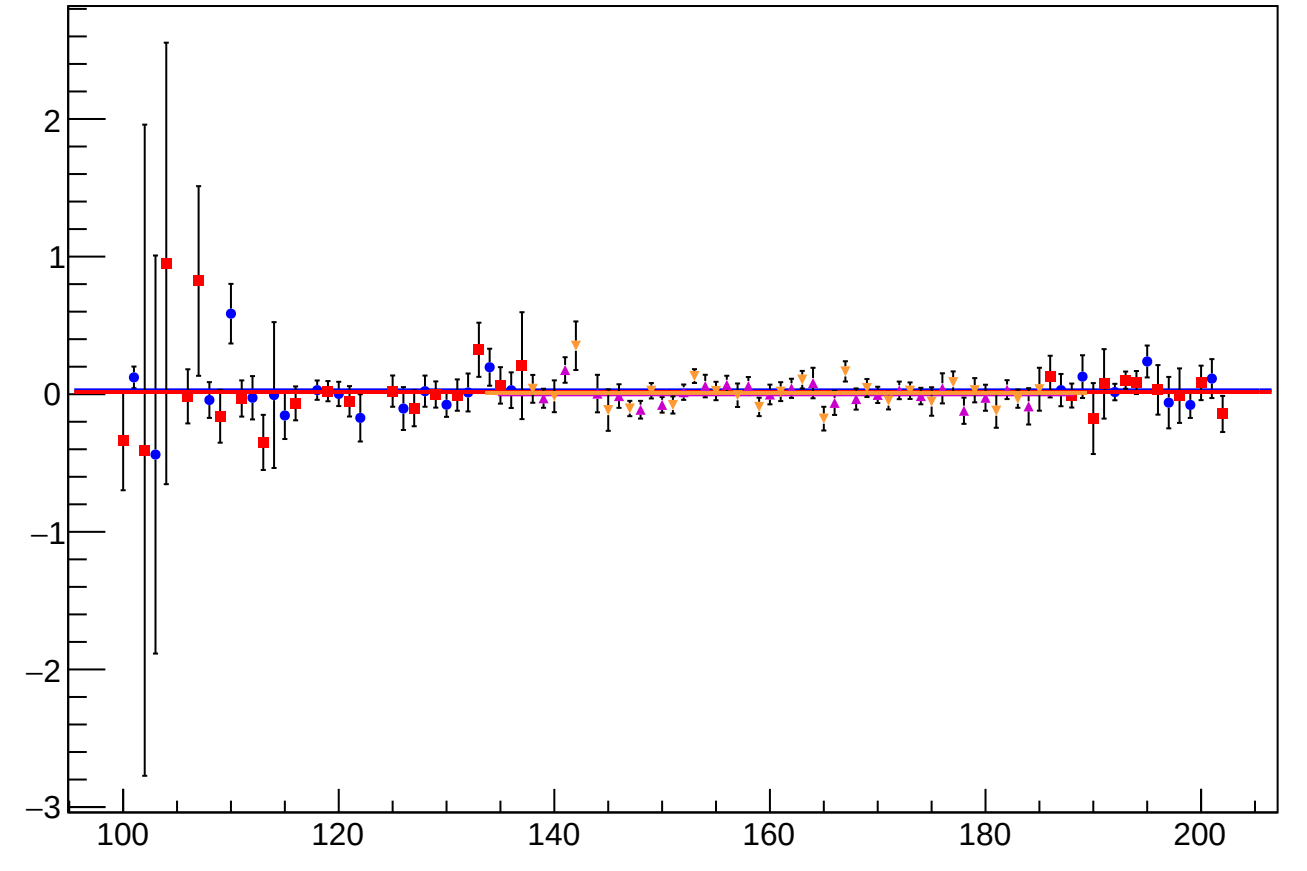
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 14343970.0/50

In: 0.001+/-0.000 χ^2/NDF:16798907.9/45

Out: 0.001+/-0.000 χ^2/NDF:21029209.6/51

All: 0.001+/-0.000 χ^2/NDF: 38212927.2/97



Right In: 0.028+/-0.024 χ^2/NDF: 20.4/22

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.016+/-0.024 χ^2/NDF: 17.2/27

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

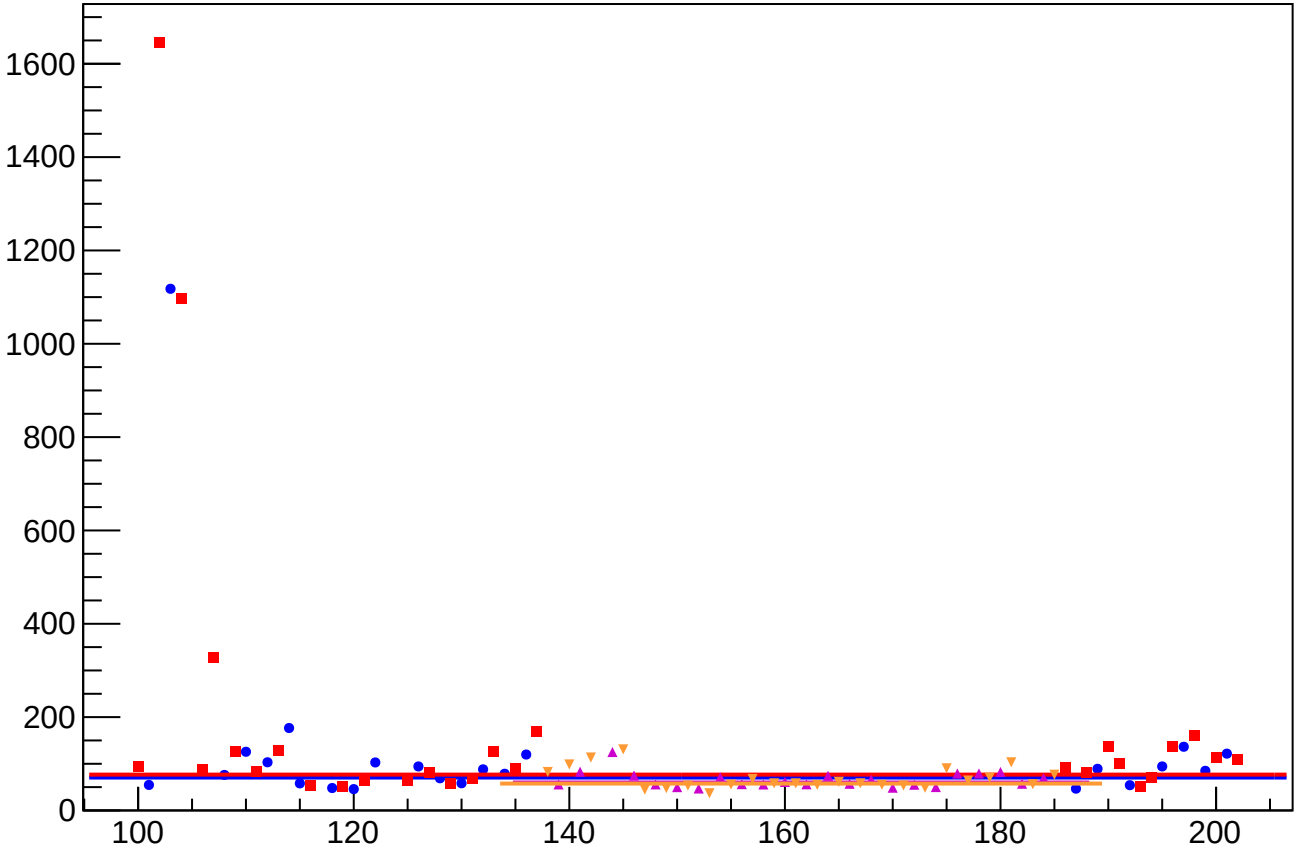
Right: 0.022+/-0.017 χ^2/NDF: 37.8/50

In: 0.008+/-0.013 χ^2/NDF:37.0/45

Out: 0.011+/-0.013 χ^2/NDF:52.0/51

All: 0.010+/-0.009 χ^2/NDF: 89.1/97

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.523+/-0.017 χ^2/NDF: 3190899.9/22

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311251.3/27

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

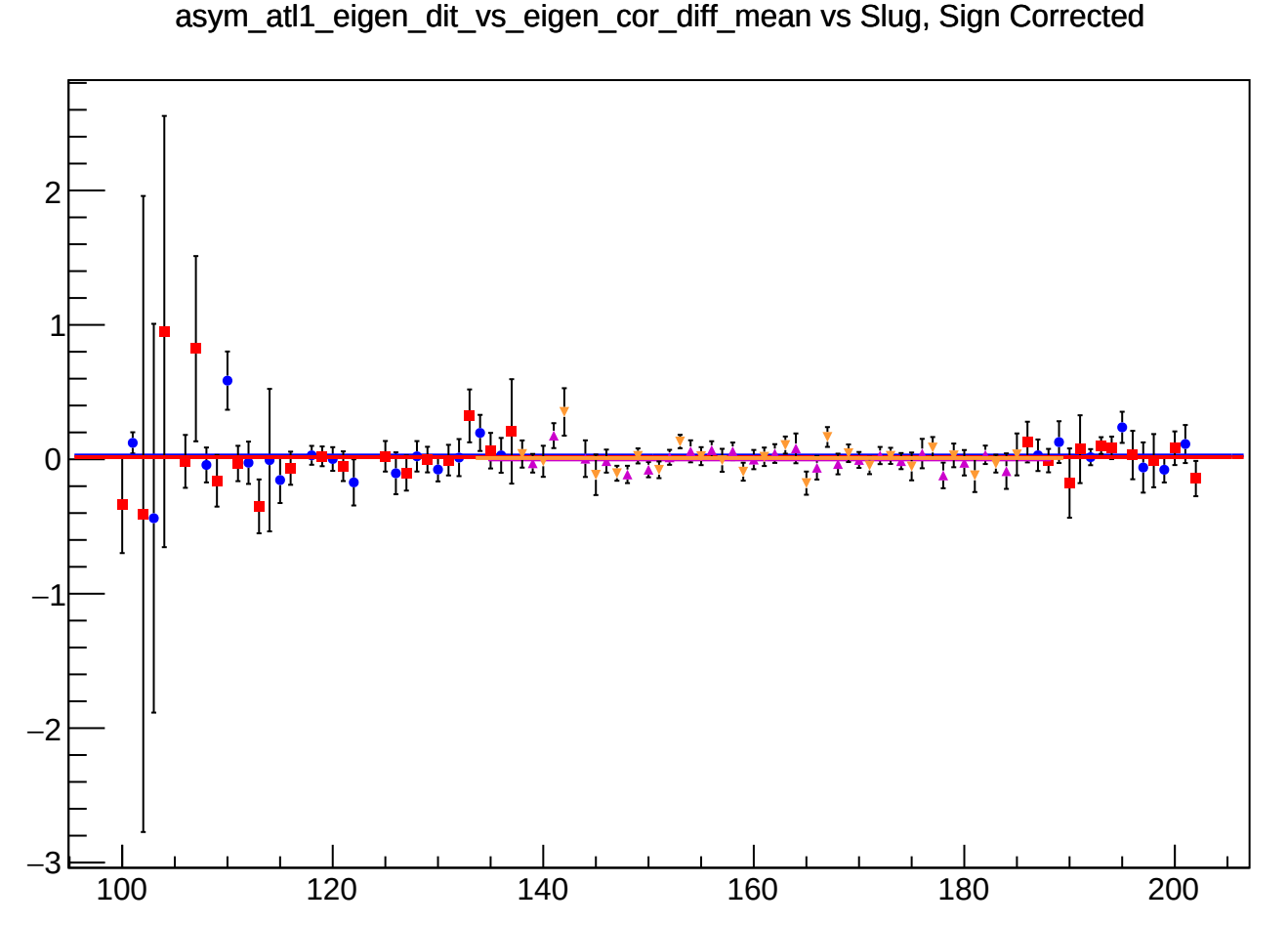
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 73.584+/-0.012 χ^2/NDF: 7569639.6/50

In: 63.002+/-0.009 χ^2/NDF:4814447.8/45

Out: 62.915+/-0.009 χ^2/NDF:7417271.9/51

All: 62.958+/-0.006 χ^2/NDF: 12231764.7/97



Right In: 0.028+/-0.024 χ^2/NDF: 20.4/22

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.016+/-0.024 χ^2/NDF: 17.2/27

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

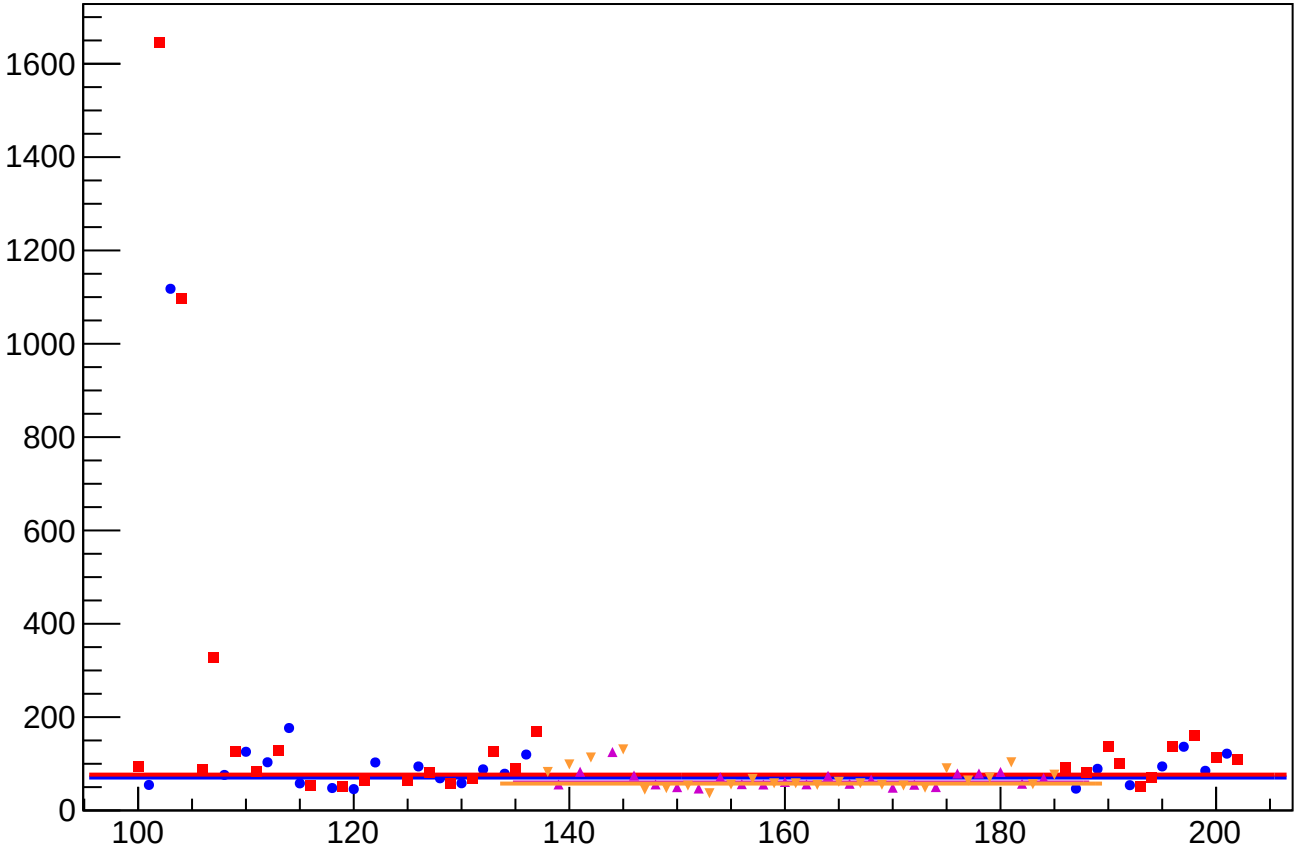
Right: 0.022+/-0.017 χ^2/NDF: 37.8/50

In: 0.008+/-0.013 χ^2/NDF:37.0/45

Out: 0.011+/-0.013 χ^2/NDF:52.0/51

All: 0.010+/-0.009 χ^2/NDF: 89.1/97

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.523+/-0.017 χ^2/NDF: 3190899.9/22

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311251.3/27

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

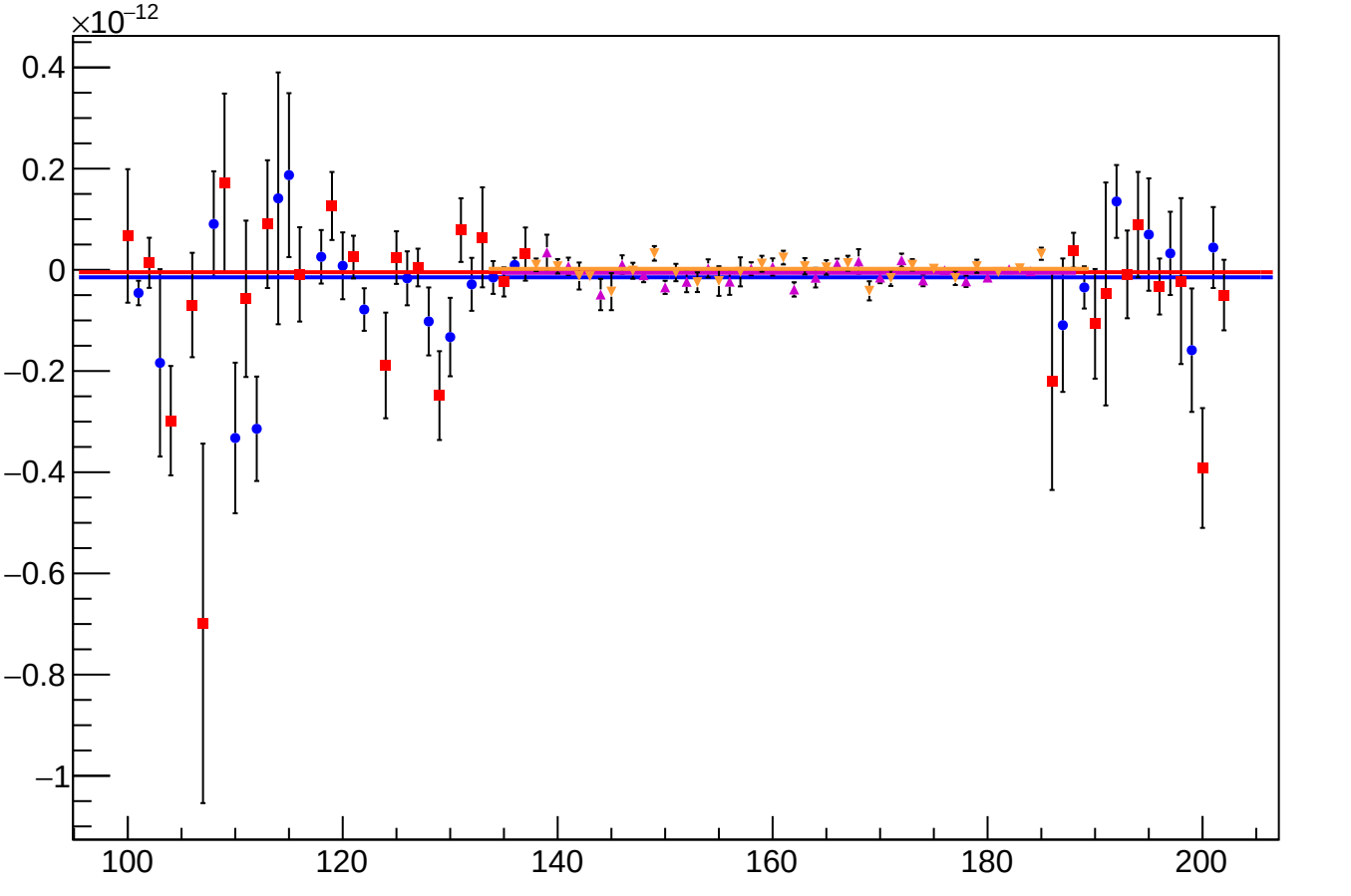
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 73.584+/-0.012 χ^2/NDF: 7569639.6/50

In: 63.002+/-0.009 χ^2/NDF:4814447.8/45

Out: 62.915+/-0.009 χ^2/NDF:7417271.9/51

All: 62.958+/-0.006 χ^2/NDF: 12231764.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.0/28

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

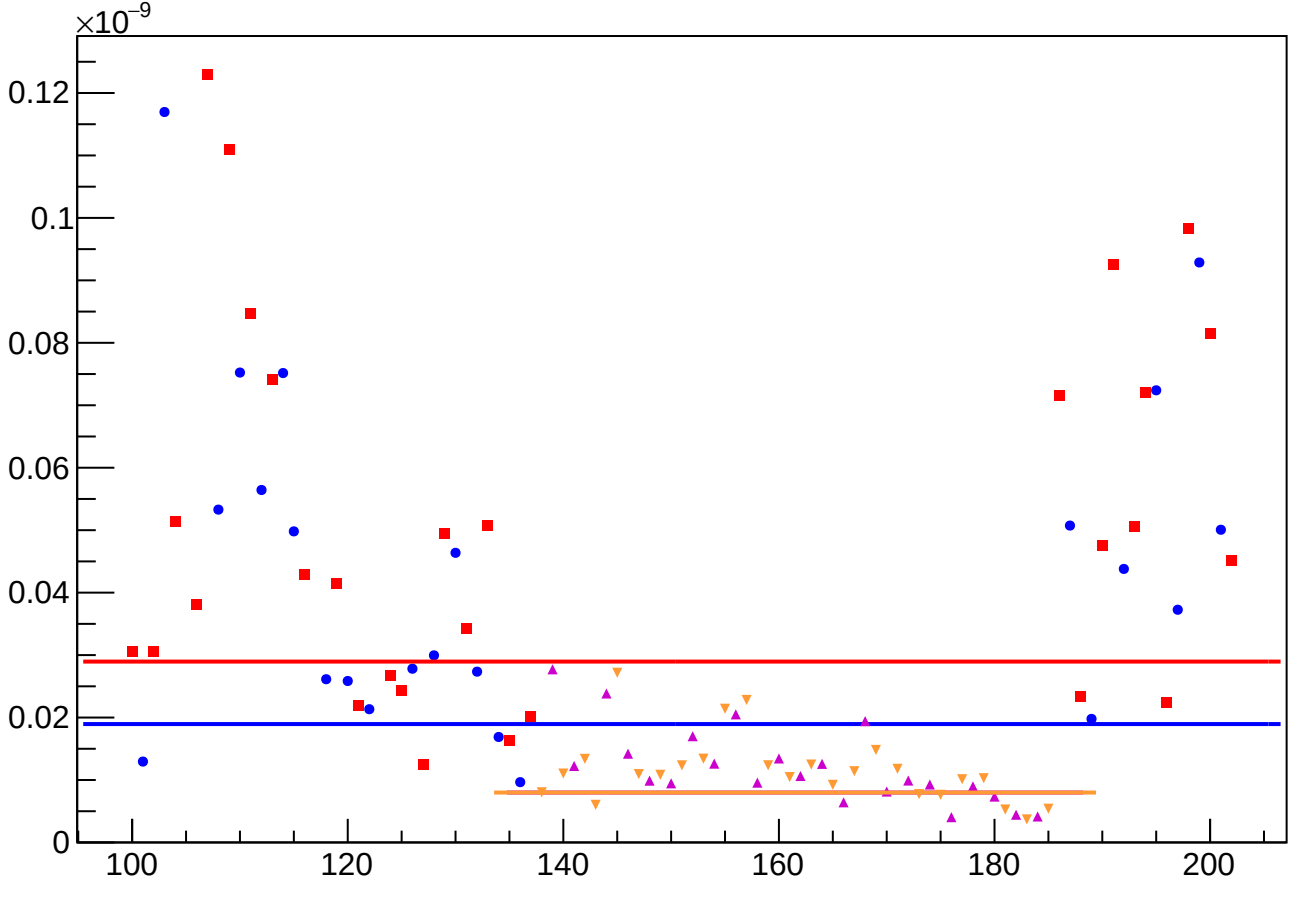
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 84.7/51

In: -0.000+/-0.000 χ^2/NDF:69.7/45

Out: 0.000+/-0.000 χ^2/NDF:80.2/53

All: -0.000+/-0.000 χ^2/NDF: 155.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 4891385.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4131025.3/28

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

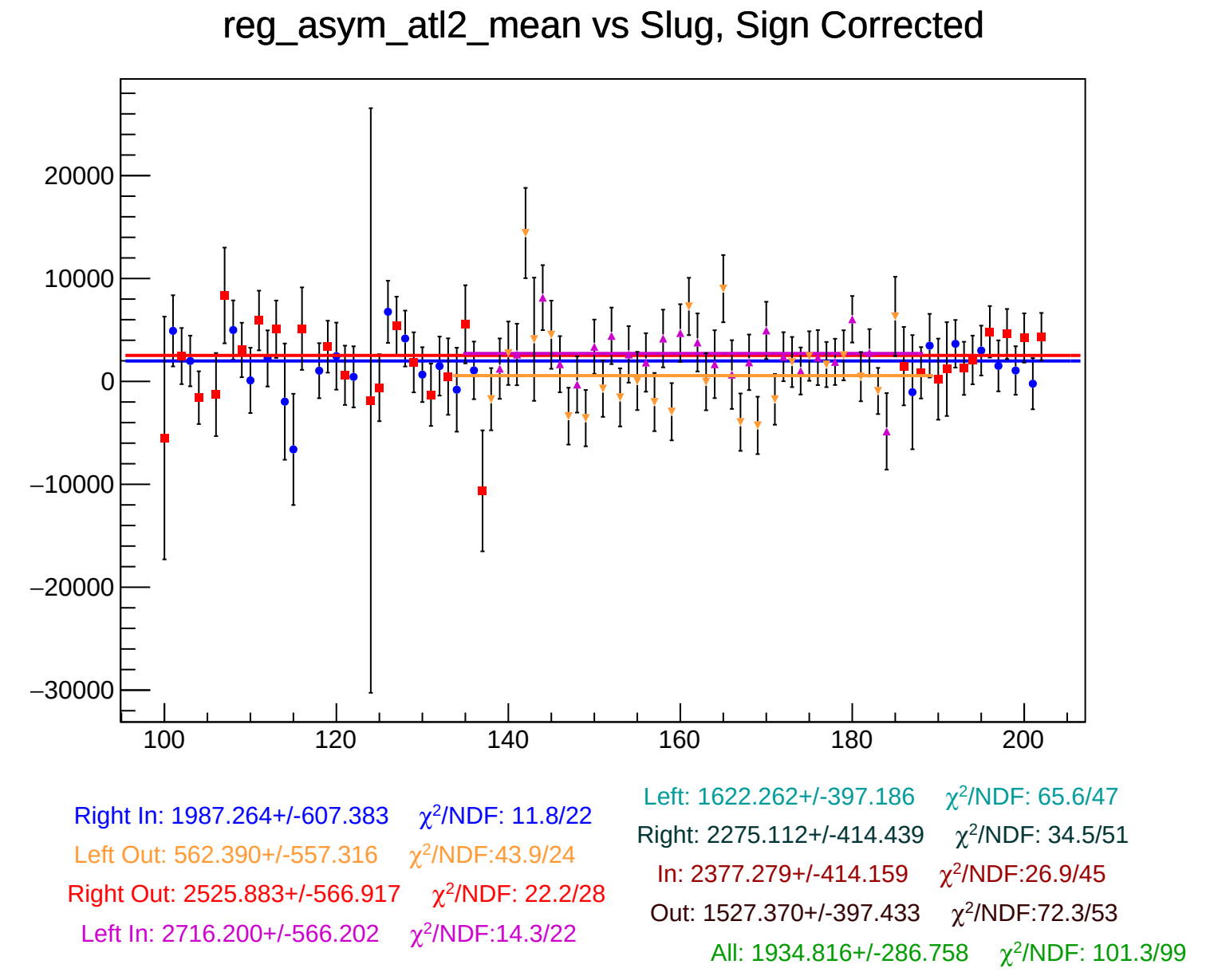
Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9868644.8/51

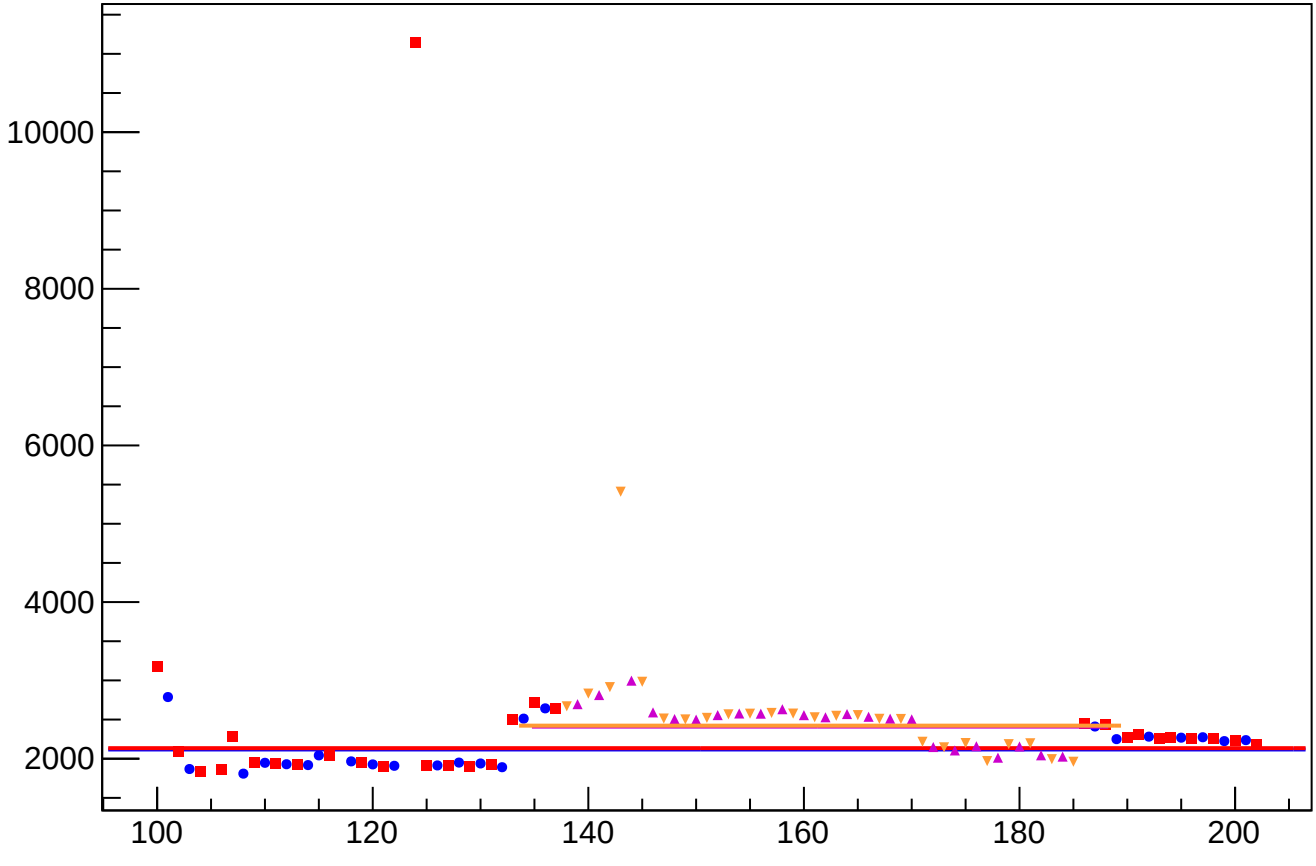
In: 0.000+/-0.000 χ^2/NDF:12612961.1/45

Out: 0.000+/-0.000 χ^2/NDF:14724375.1/53

All: 0.000+/-0.000 χ^2/NDF: 27338391.1/99


reg_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 1987.264+/-607.383 χ²/NDF: 11.8/22
Left Out: 562.390+/-557.316 χ²/NDF:43.9/24
Right Out: 2525.883+/-566.917 χ²/NDF: 22.2/28
Left In: 2716.200+/-566.202 χ²/NDF:14.3/22
Left: 1622.262+/-397.186 χ²/NDF: 65.6/47
Right: 2275.112+/-414.439 χ²/NDF: 34.5/51
In: 2377.279+/-414.159 χ²/NDF:26.9/45
Out: 1527.370+/-397.433 χ²/NDF:72.3/53
All: 1934.816+/-286.758 χ²/NDF: 101.3/99

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2118.018+/-0.429 χ^2/NDF: 330660.7/22

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2134.656+/-0.401 χ^2/NDF: 510170.8/28

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

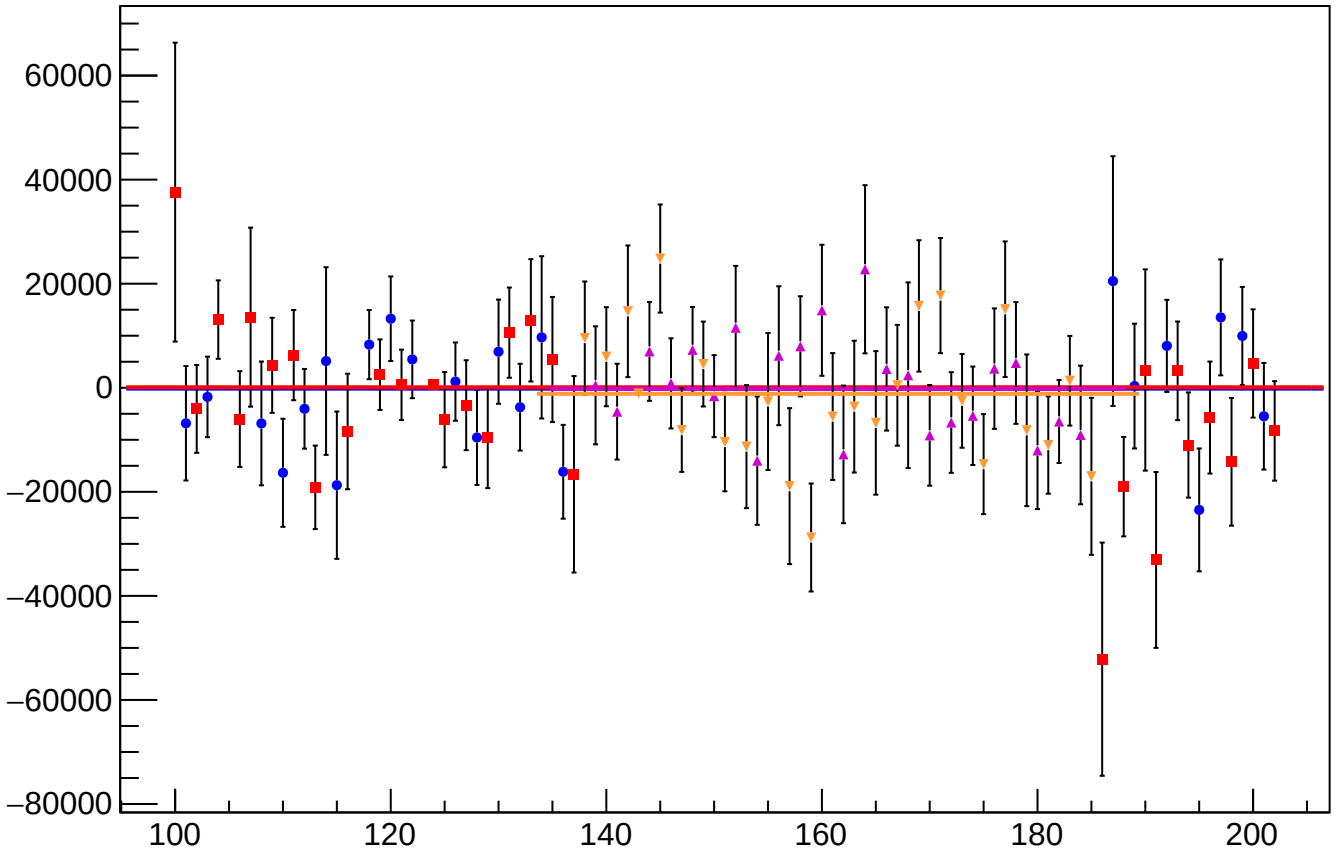
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2126.910+/-0.293 χ^2/NDF: 841633.5/51

In: 2274.146+/-0.293 χ^2/NDF:1006010.2/45

Out: 2280.859+/-0.281 χ^2/NDF:1724591.9/53

All: 2277.641+/-0.203 χ^2/NDF: 2730875.7/99



Right In: -167.085+/-1999.661 χ^2/NDF: 23.9/22

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 90.839+/-751.721 χ^2/NDF: 36.0/28

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

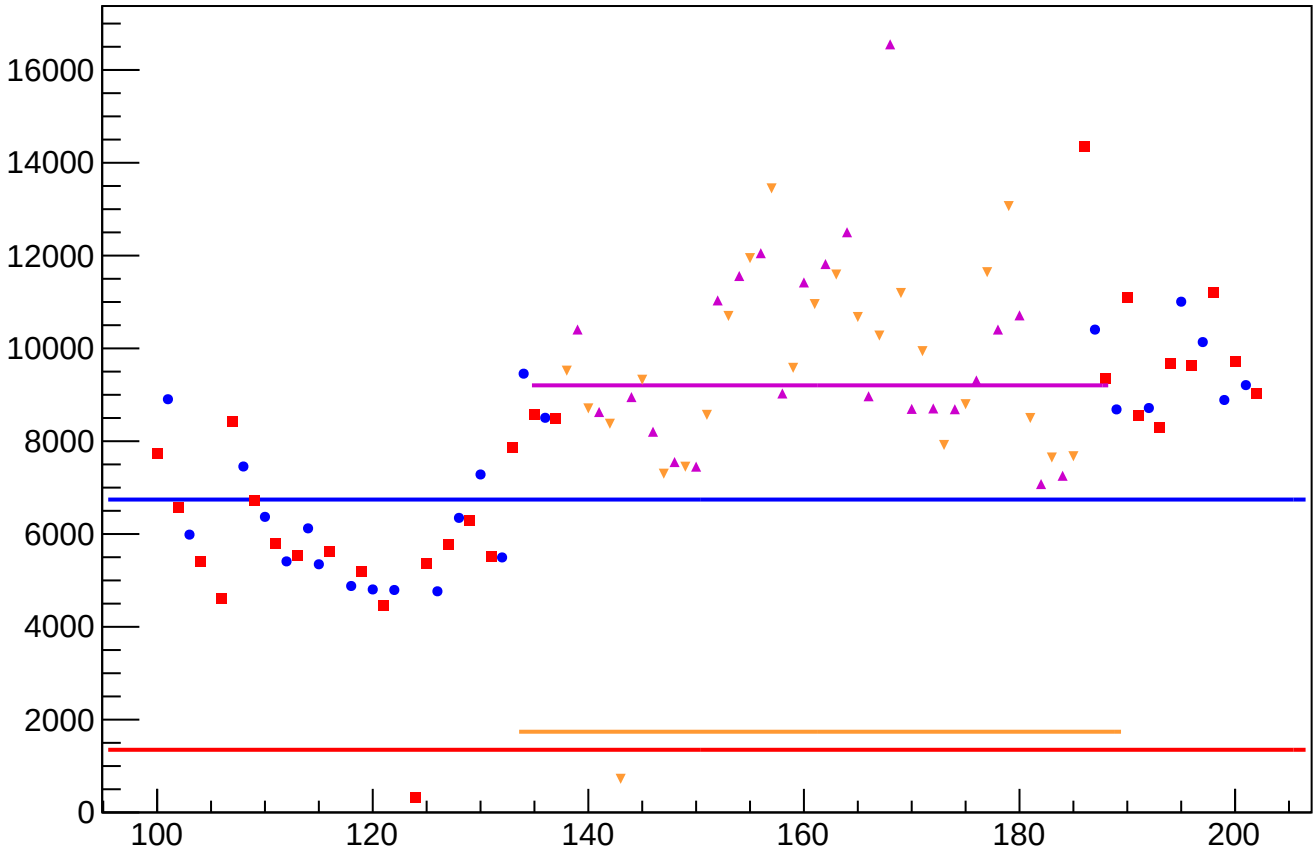
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 58.902+/-703.644 χ^2/NDF: 59.9/51

In: -186.392+/-1478.236 χ^2/NDF:37.3/45

Out: -528.660+/-533.682 χ^2/NDF:69.3/53

All: -489.193+/-501.971 χ^2/NDF: 106.6/99



Right In: 6742.771+/-1.414 χ^2/NDF: 1789099.8/22

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1350.349+/-0.532 χ^2/NDF: 22306872.4/28

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

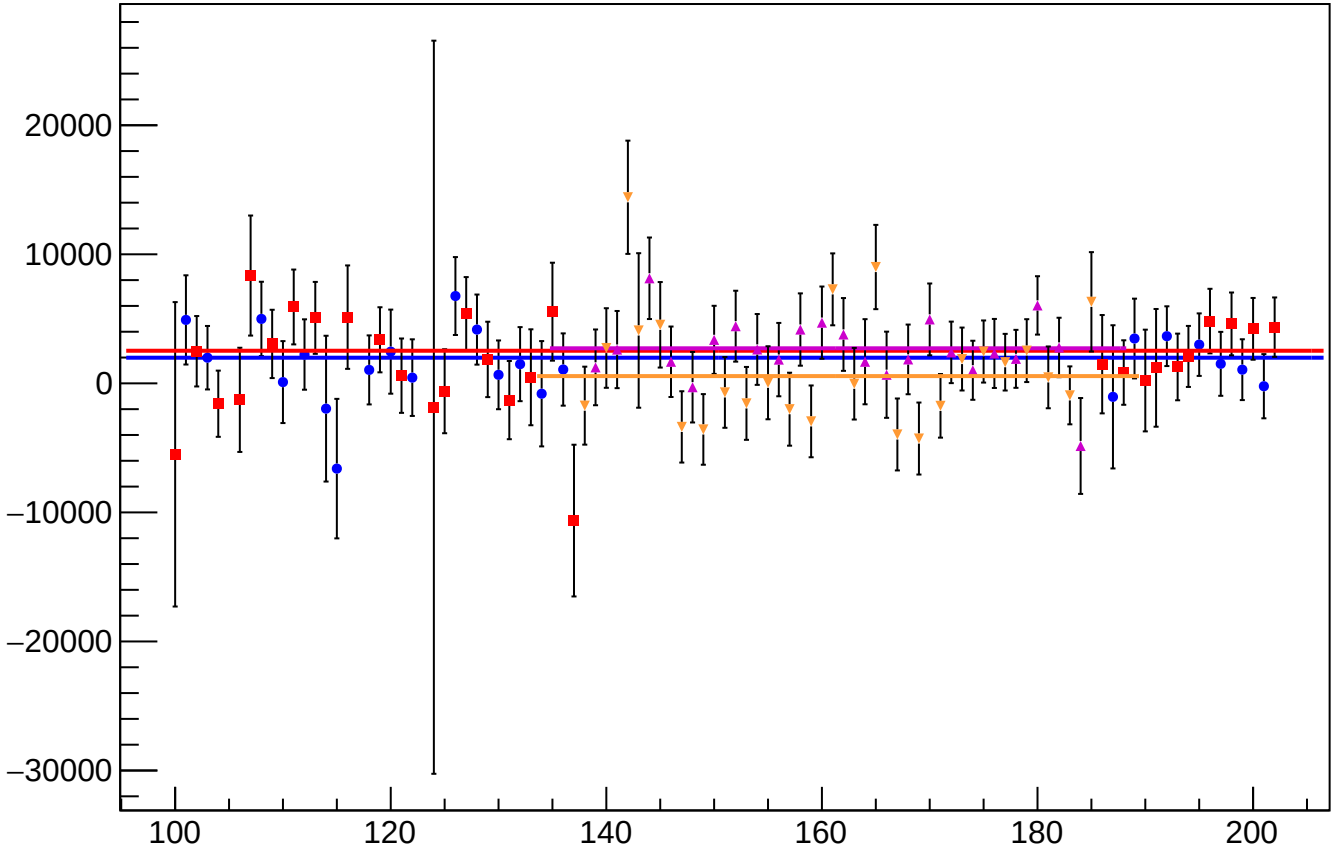
Right: 2018.043+/-0.498 χ^2/NDF: 36839160.3/51

In: 7858.876+/-1.045 χ^2/NDF:4434991.6/45

Out: 1543.453+/-0.377 χ^2/NDF:50307016.0/53

All: 2271.688+/-0.355 χ^2/NDF: 87037212.3/9

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1987.279+/-607.383 χ^2/NDF: 11.8/22

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2526.907+/-566.921 χ^2/NDF: 22.2/28

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

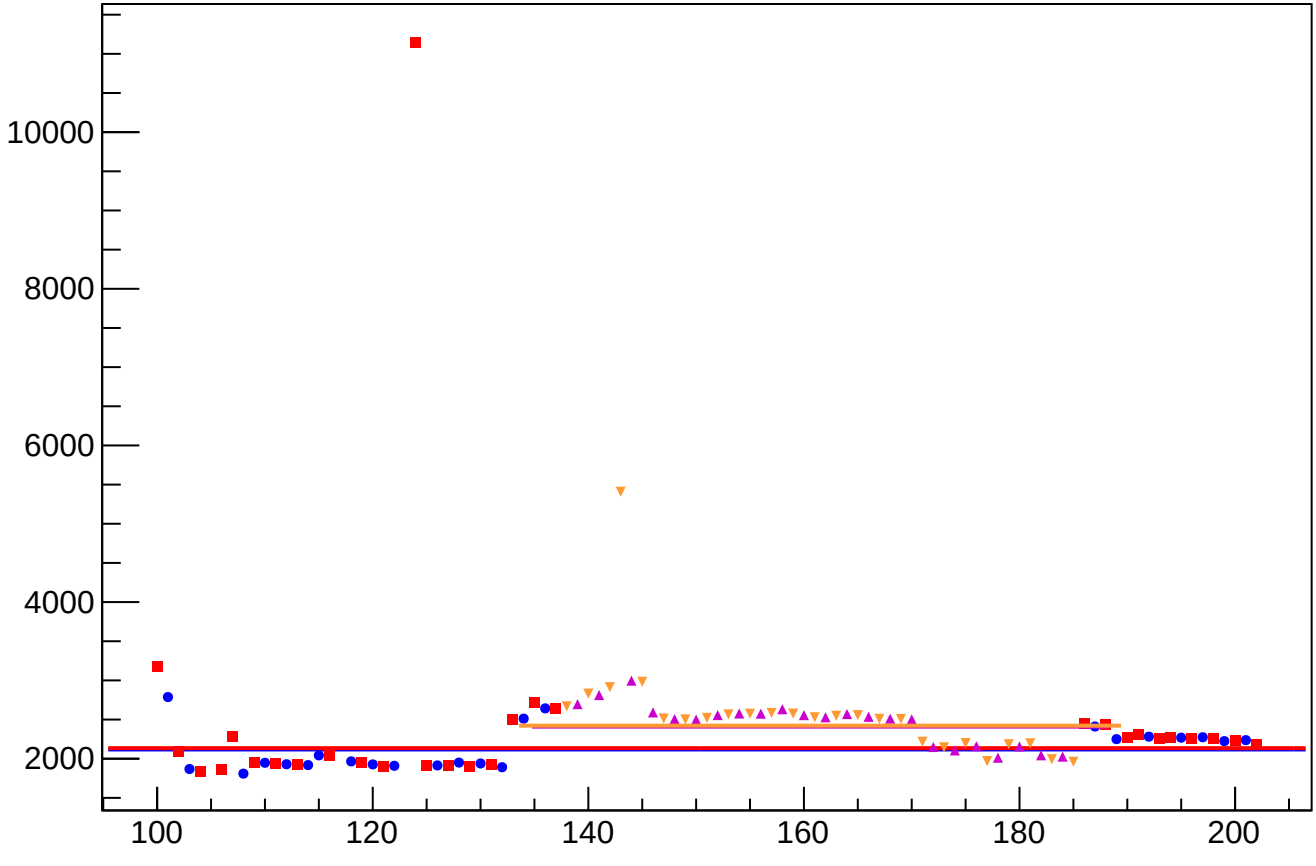
Right: 2275.665+/-414.440 χ^2/NDF: 34.5/51

In: 2377.266+/-414.159 χ^2/NDF:26.9/45

Out: 1527.868+/-397.434 χ^2/NDF:72.3/53

All: 1935.070+/-286.759 χ^2/NDF: 101.4/99

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2118.018+/-0.429 χ^2/NDF: 330660.6/22

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2134.670+/-0.401 χ^2/NDF: 510164.6/28

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

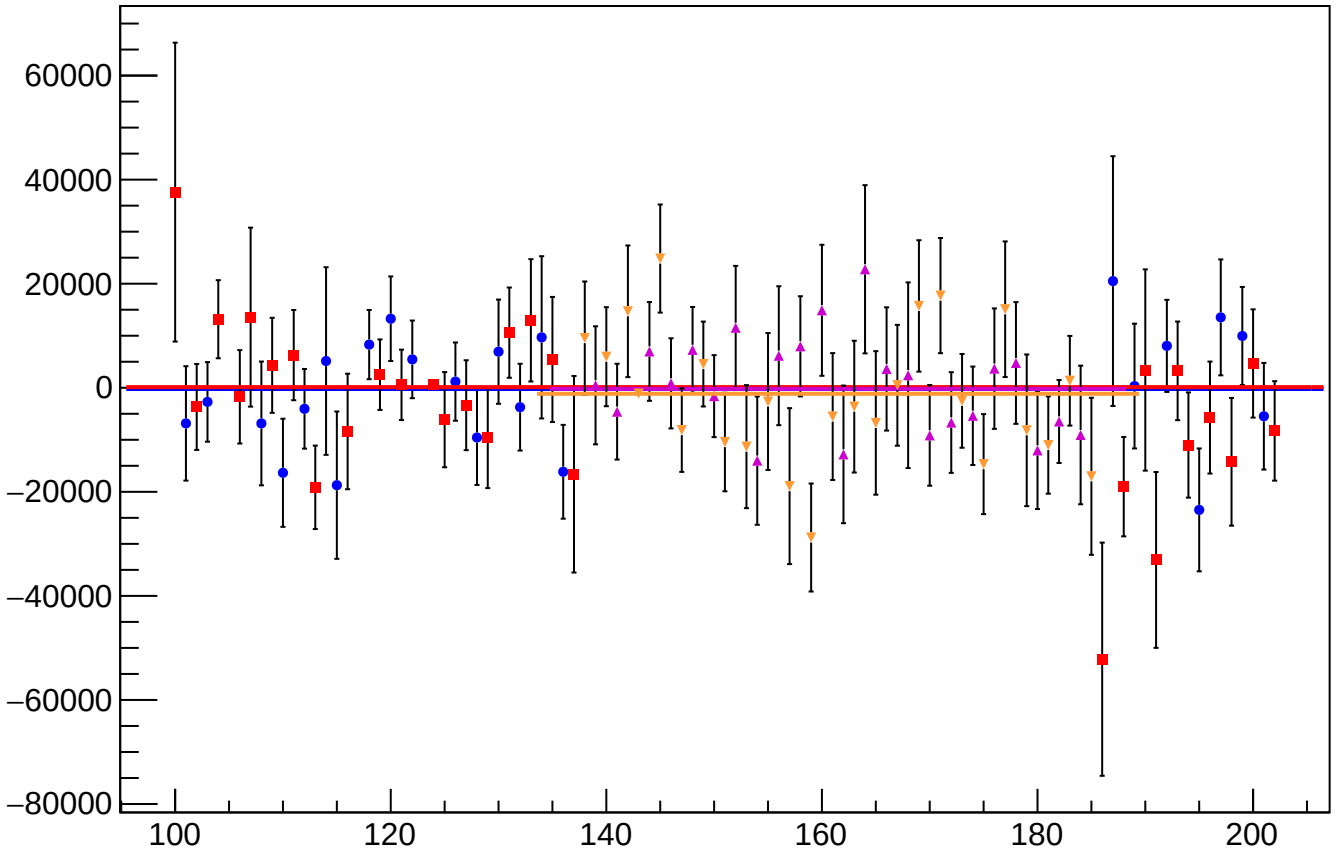
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2126.917+/-0.293 χ^2/NDF: 841628.5/51

In: 2274.146+/-0.293 χ^2/NDF:1006010.3/45

Out: 2280.866+/-0.281 χ^2/NDF:1724559.9/53

All: 2277.645+/-0.203 χ^2/NDF: 2730844.3/99



Right In: -235.736+/-1998.071 χ^2/NDF: 24.0/22

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 123.071+/-751.403 χ^2/NDF: 35.6/28

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

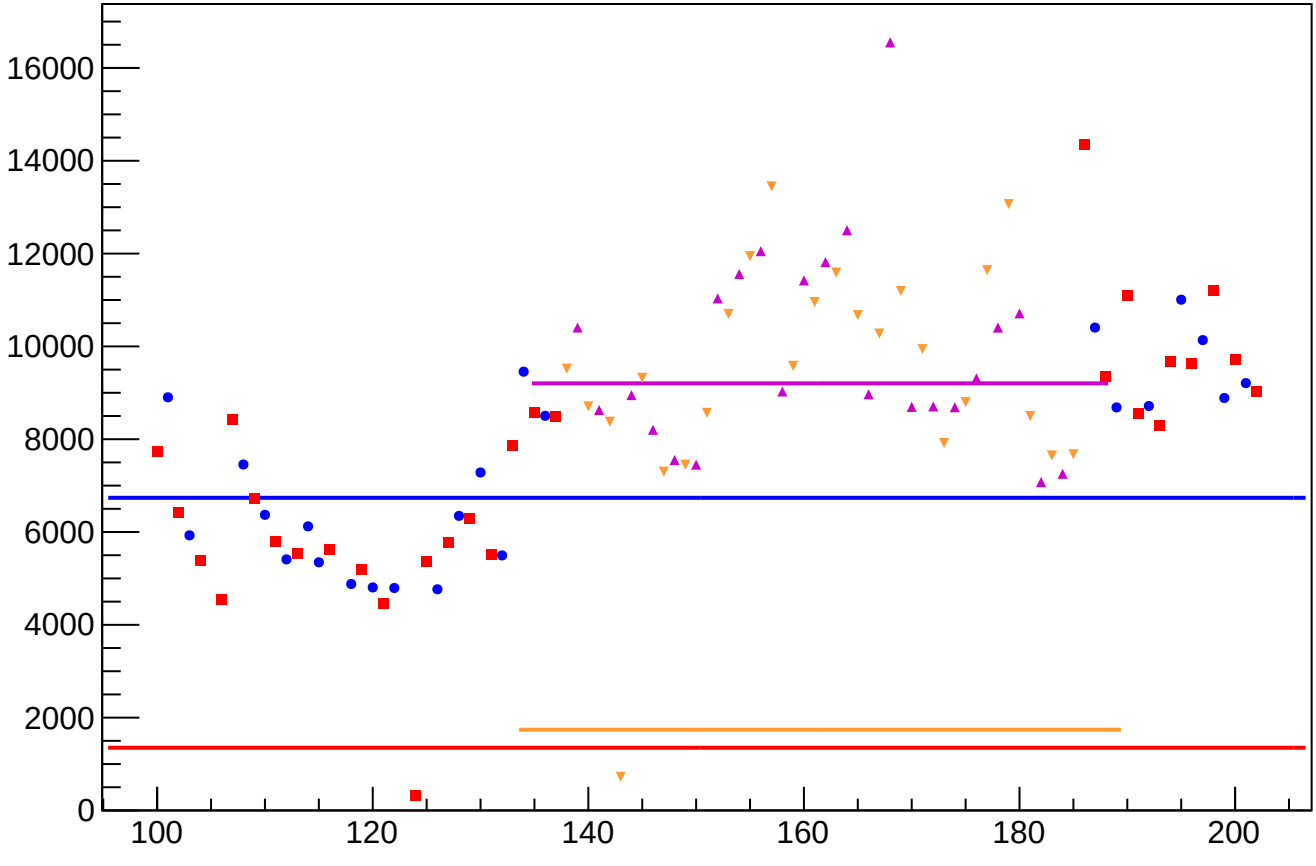
Right: 78.614+/-703.314 χ^2/NDF: 59.6/51

In: -223.848+/-1477.593 χ^2/NDF:37.4/45

Out: -512.079+/-533.546 χ^2/NDF:69.0/53

All: -478.832+/-501.832 χ^2/NDF: 106.4/99

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 6737.549+/-1.413 χ^2/NDF: 1792574.9/22

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1351.693+/-0.531 χ^2/NDF: 22299135.0/28

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

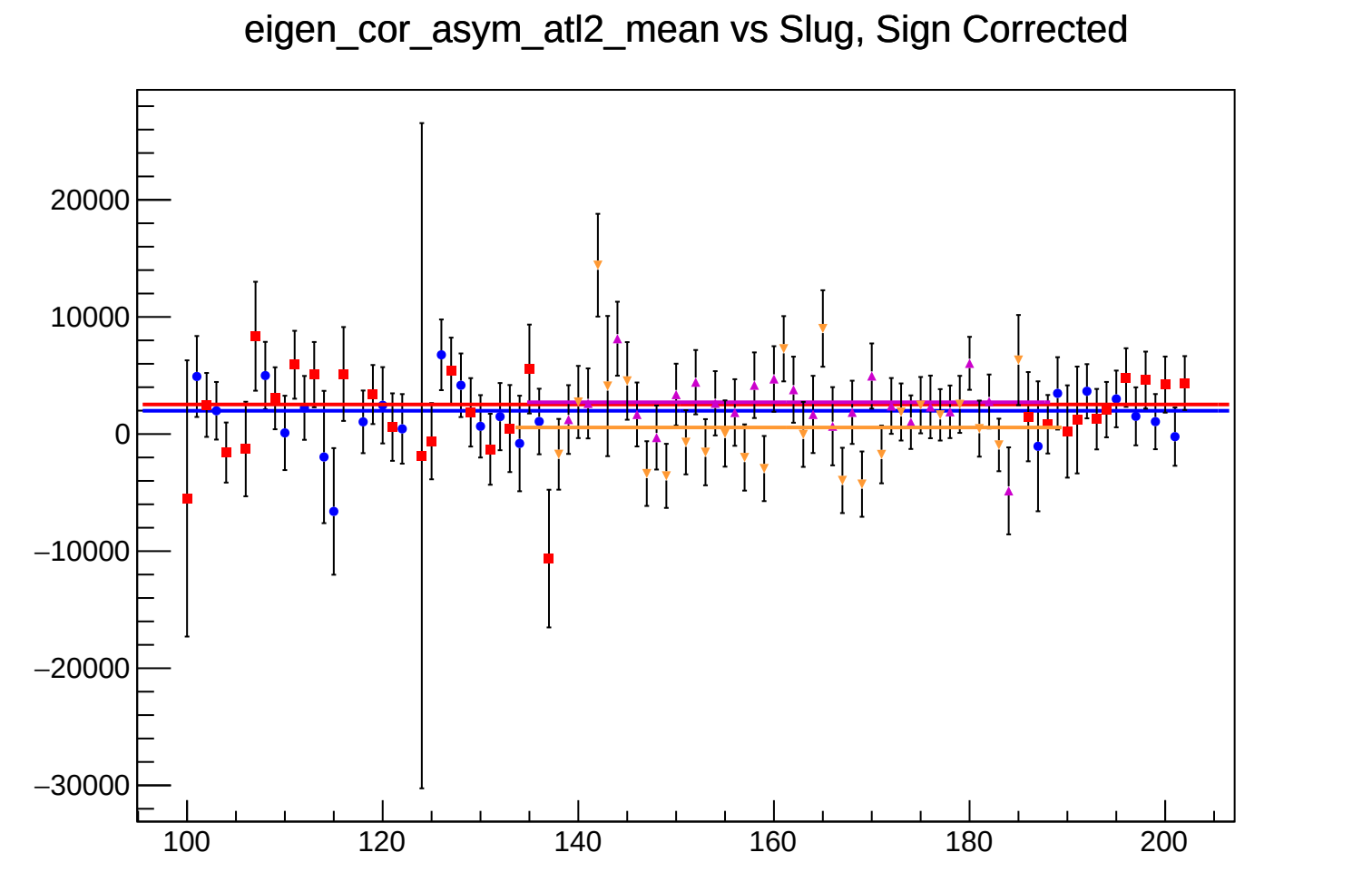
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2019.010+/-0.497 χ^2/NDF: 36822948.3/51

In: 7855.045+/-1.045 χ^2/NDF:4445297.7/45

Out: 1543.949+/-0.377 χ^2/NDF:50298305.2/53

All: 2271.916+/-0.355 χ^2/NDF: 87021333.4/9



Right In: 1987.279+/-607.383 χ^2/NDF: 11.8/22

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2526.907+/-566.921 χ^2/NDF: 22.2/28

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

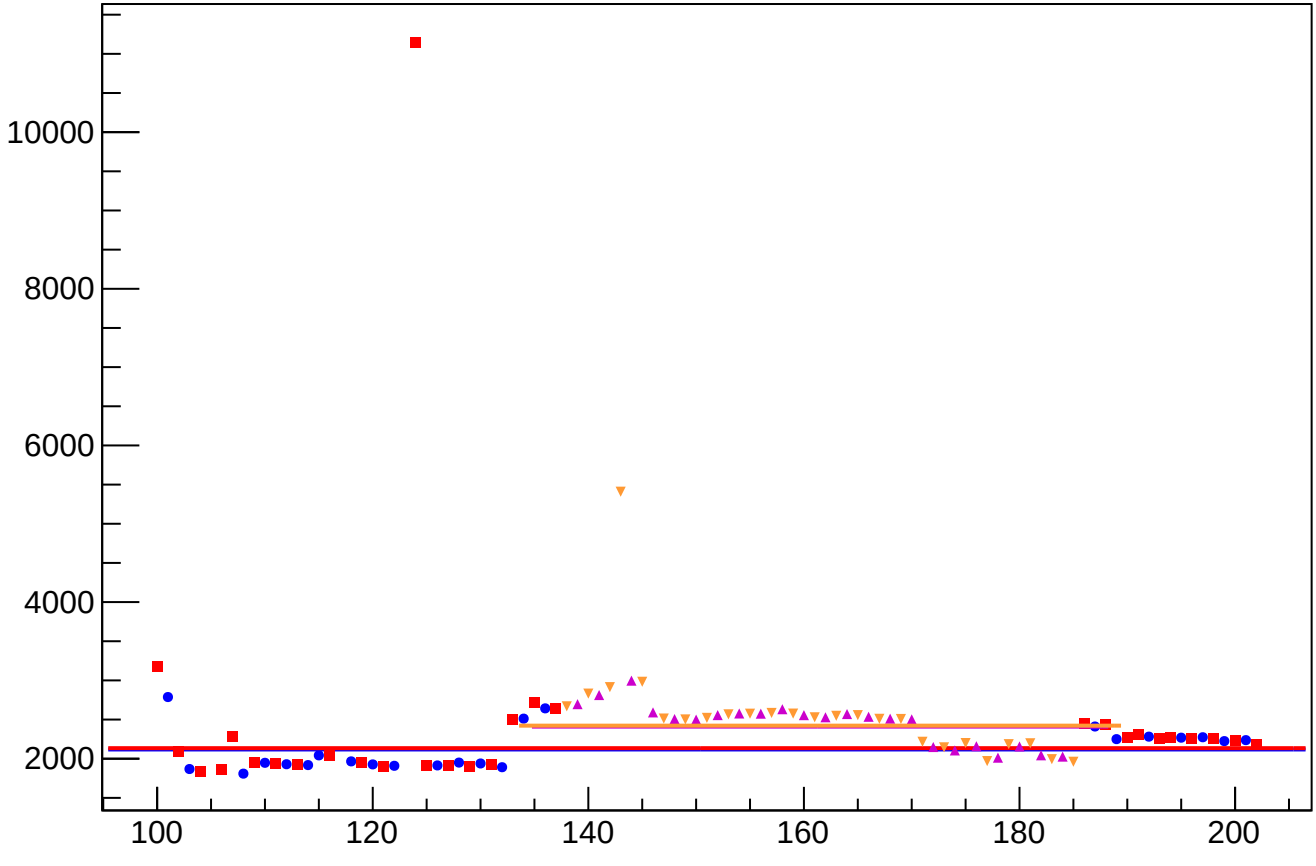
Right: 2275.665+/-414.440 χ^2/NDF: 34.5/51

In: 2377.266+/-414.159 χ^2/NDF:26.9/45

Out: 1527.868+/-397.434 χ^2/NDF:72.3/53

All: 1935.070+/-286.759 χ^2/NDF: 101.4/99

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2118.018+/-0.429 χ^2/NDF: 330660.6/22

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2134.670+/-0.401 χ^2/NDF: 510164.6/28

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

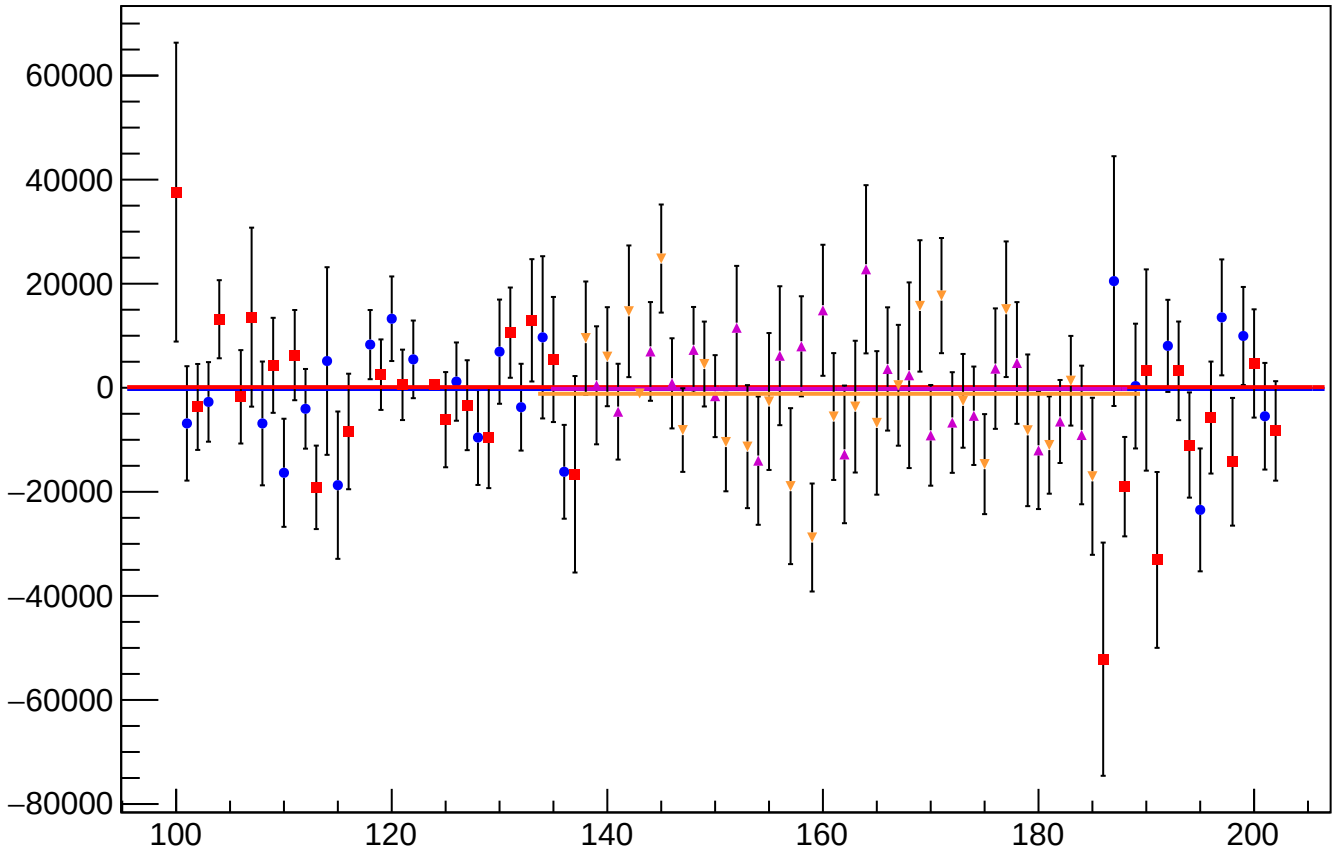
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2126.917+/-0.293 χ^2/NDF: 841628.5/51

In: 2274.146+/-0.293 χ^2/NDF:1006010.3/45

Out: 2280.866+/-0.281 χ^2/NDF:1724559.9/53

All: 2277.645+/-0.203 χ^2/NDF: 2730844.3/99



Right In: -235.736+/-1998.071 χ^2/NDF: 24.0/22

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 123.071+/-751.403 χ^2/NDF: 35.6/28

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

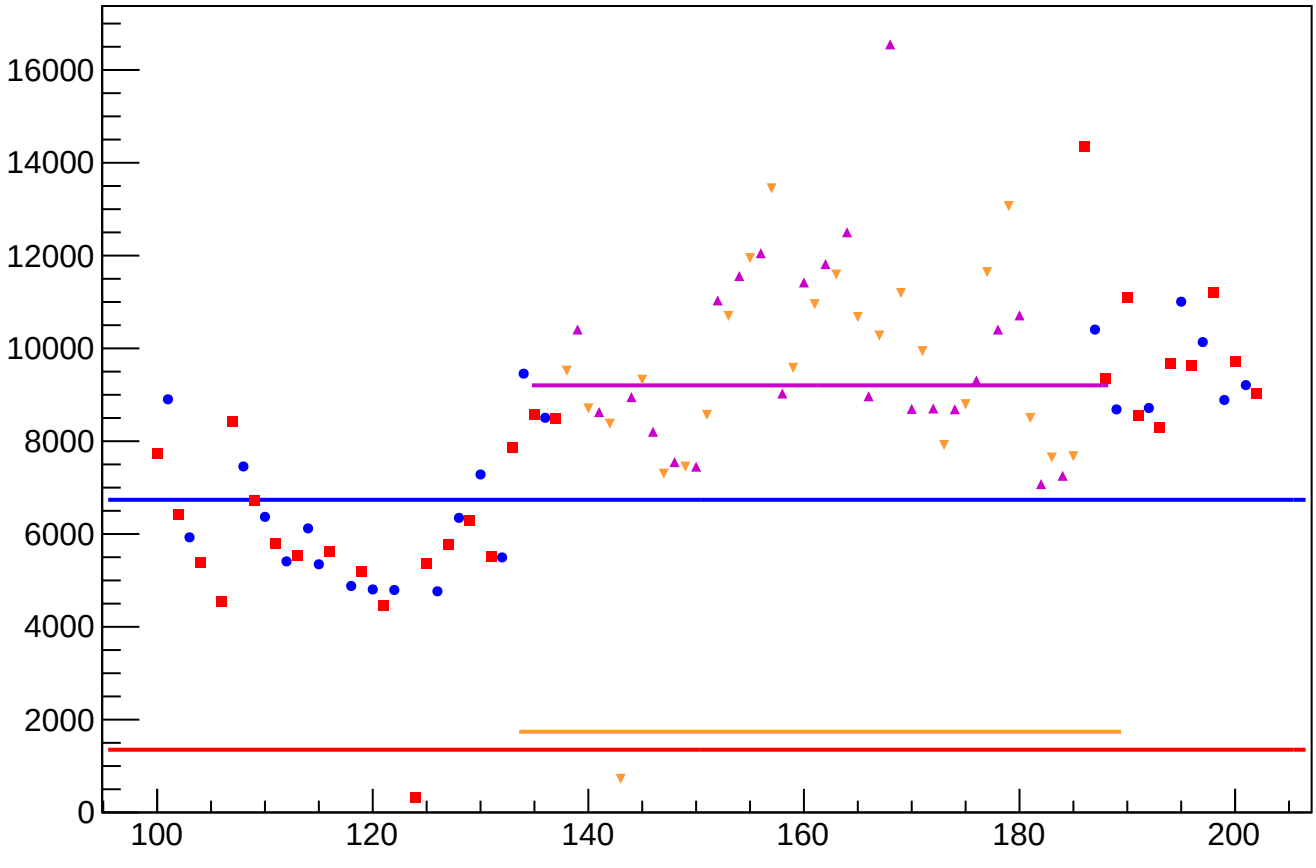
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 78.614+/-703.314 χ^2/NDF: 59.6/51

In: -223.848+/-1477.593 χ^2/NDF:37.4/45

Out: -512.079+/-533.546 χ^2/NDF:69.0/53

All: -478.832+/-501.832 χ^2/NDF: 106.4/99



Right In: 6737.549+/-1.413 χ^2/NDF: 1792574.9/22

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1351.693+/-0.531 χ^2/NDF: 22299135.0/28

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

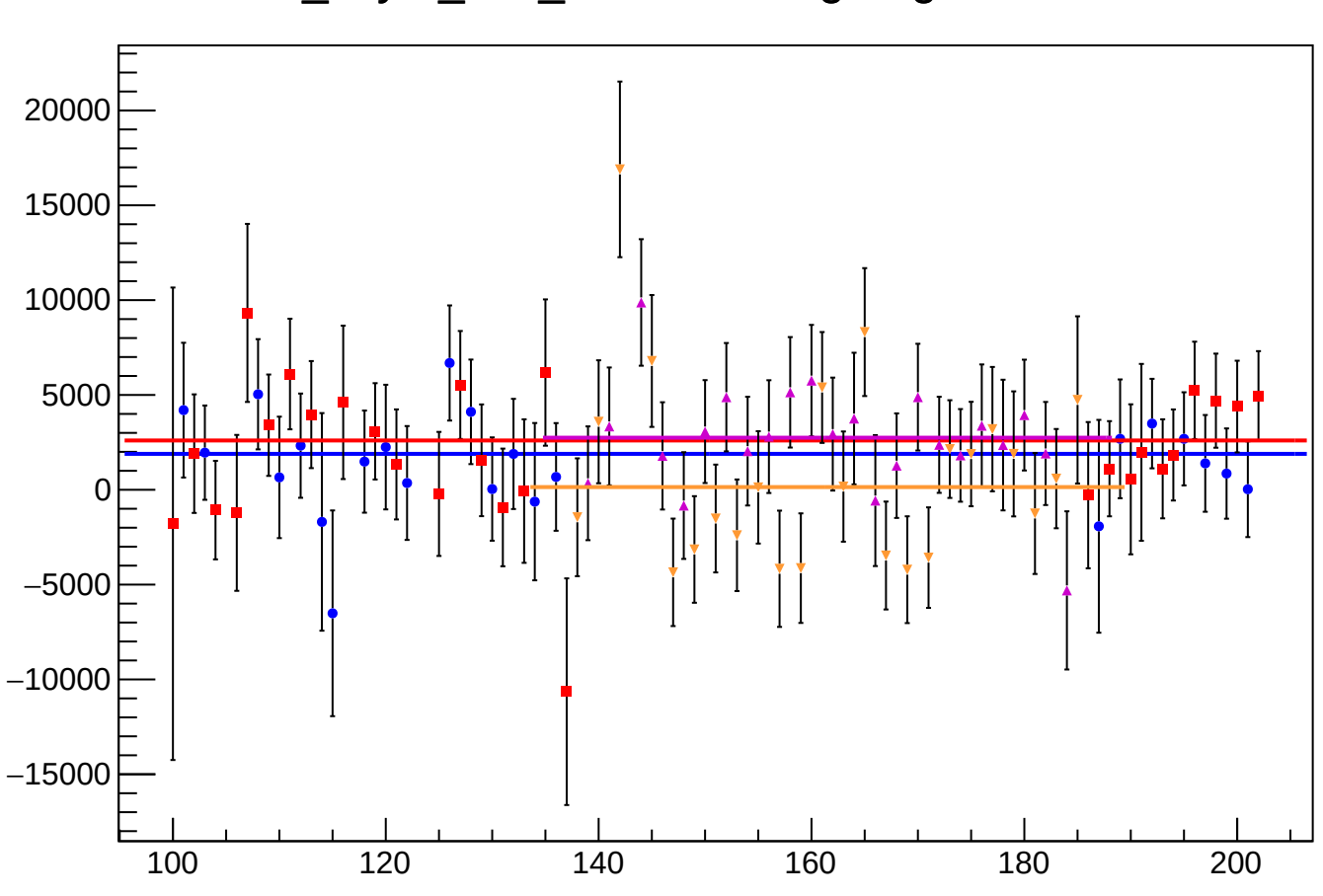
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2019.010+/-0.497 χ^2/NDF: 36822948.3/51

In: 7855.045+/-1.045 χ^2/NDF:4445297.7/45

Out: 1543.949+/-0.377 χ^2/NDF:50298305.2/53

All: 2271.916+/-0.355 χ^2/NDF: 87021333.4/9



Right In: 1893.886+/-615.716 χ^2/NDF: 10.9/22

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2599.561+/-577.176 χ^2/NDF: 21.8/27

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

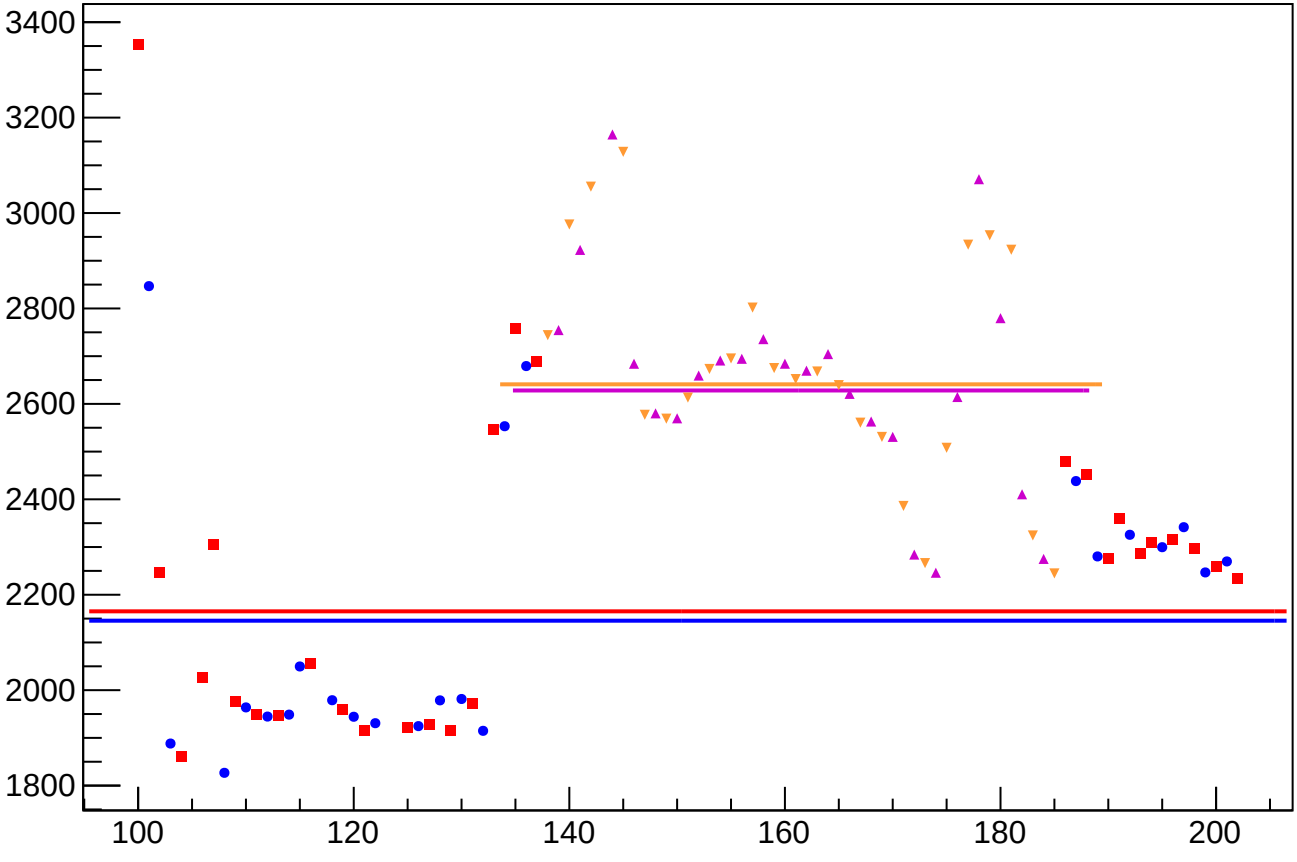
Right: 2269.499+/-421.091 χ^2/NDF: 33.3/50

In: 2319.653+/-435.521 χ^2/NDF:27.3/45

Out: 1450.359+/-421.096 χ^2/NDF:76.1/51

All: 1870.371+/-302.731 χ^2/NDF: 105.4/97

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2145.602+/-0.435 χ^2/NDF: 345742.1/22

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2165.234+/-0.408 χ^2/NDF: 316892.4/27

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

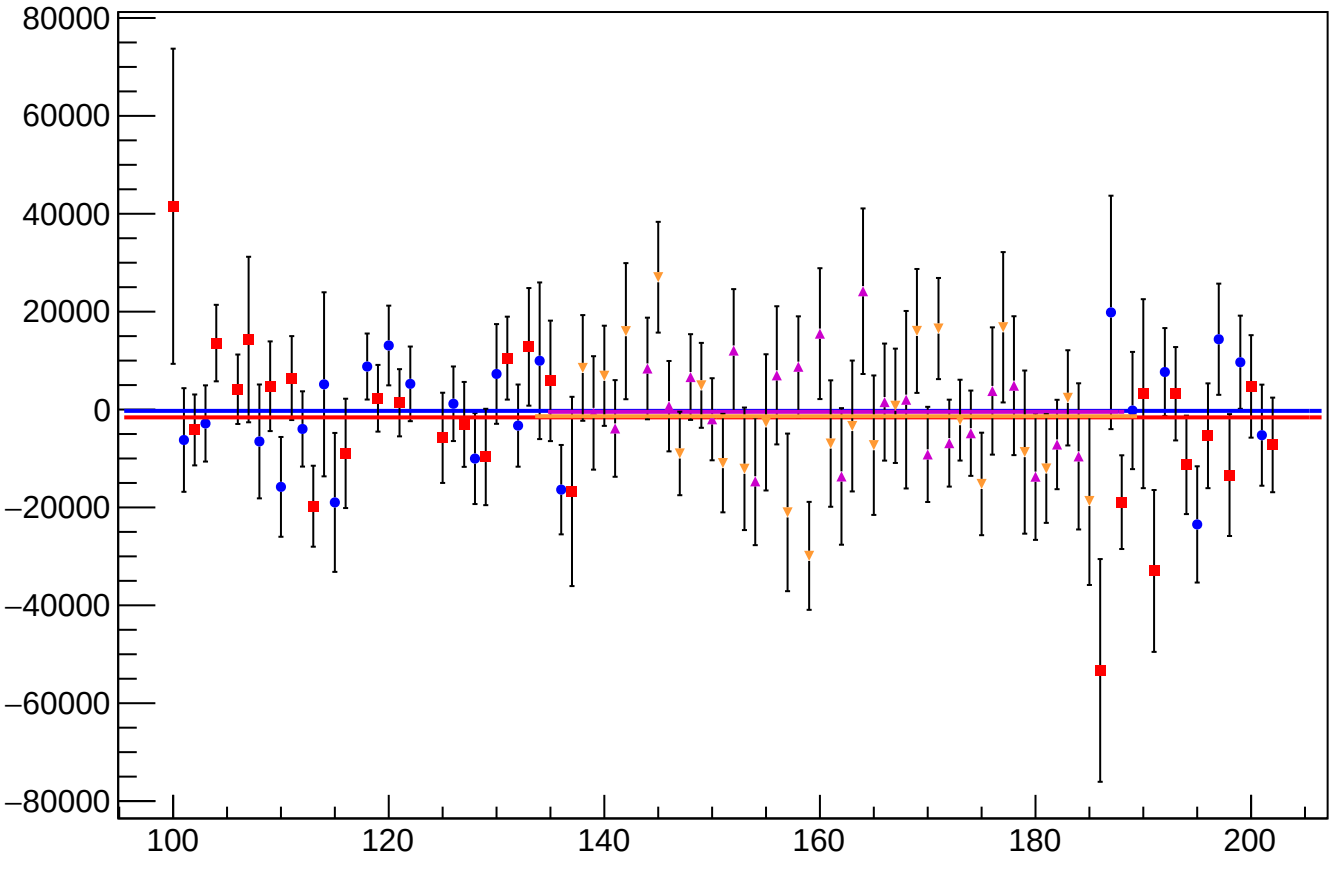
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2156.060+/-0.298 χ^2/NDF: 663717.6/50

In: 2386.698+/-0.308 χ^2/NDF:1196966.0/45

Out: 2387.551+/-0.298 χ^2/NDF:1206368.1/51

All: 2387.139+/-0.214 χ^2/NDF: 2403338.1/97



Right In: -271.698+/-2014.915 χ^2/NDF: 23.7/22

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1600.518+/-1853.082 χ^2/NDF: 34.7/27

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

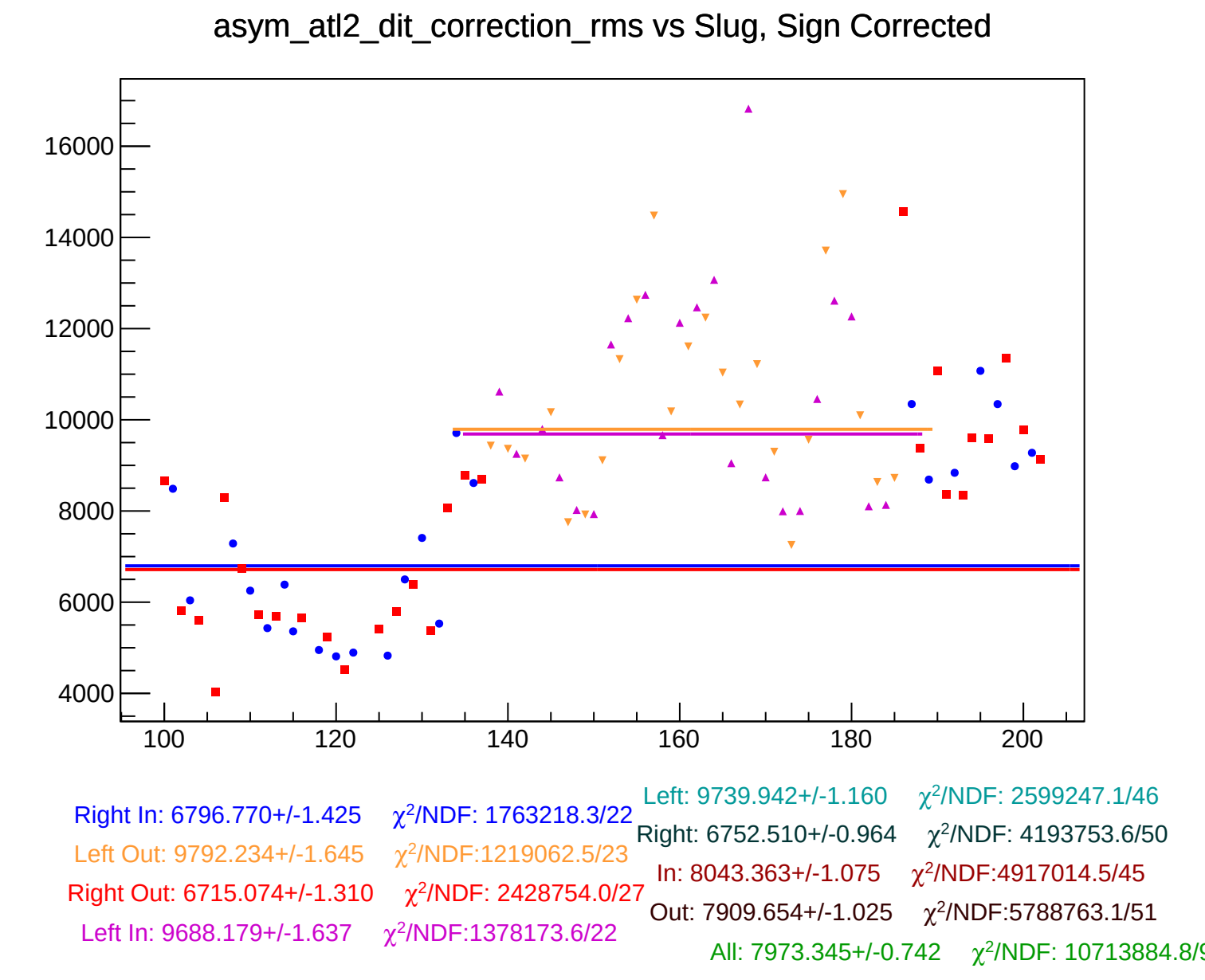
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

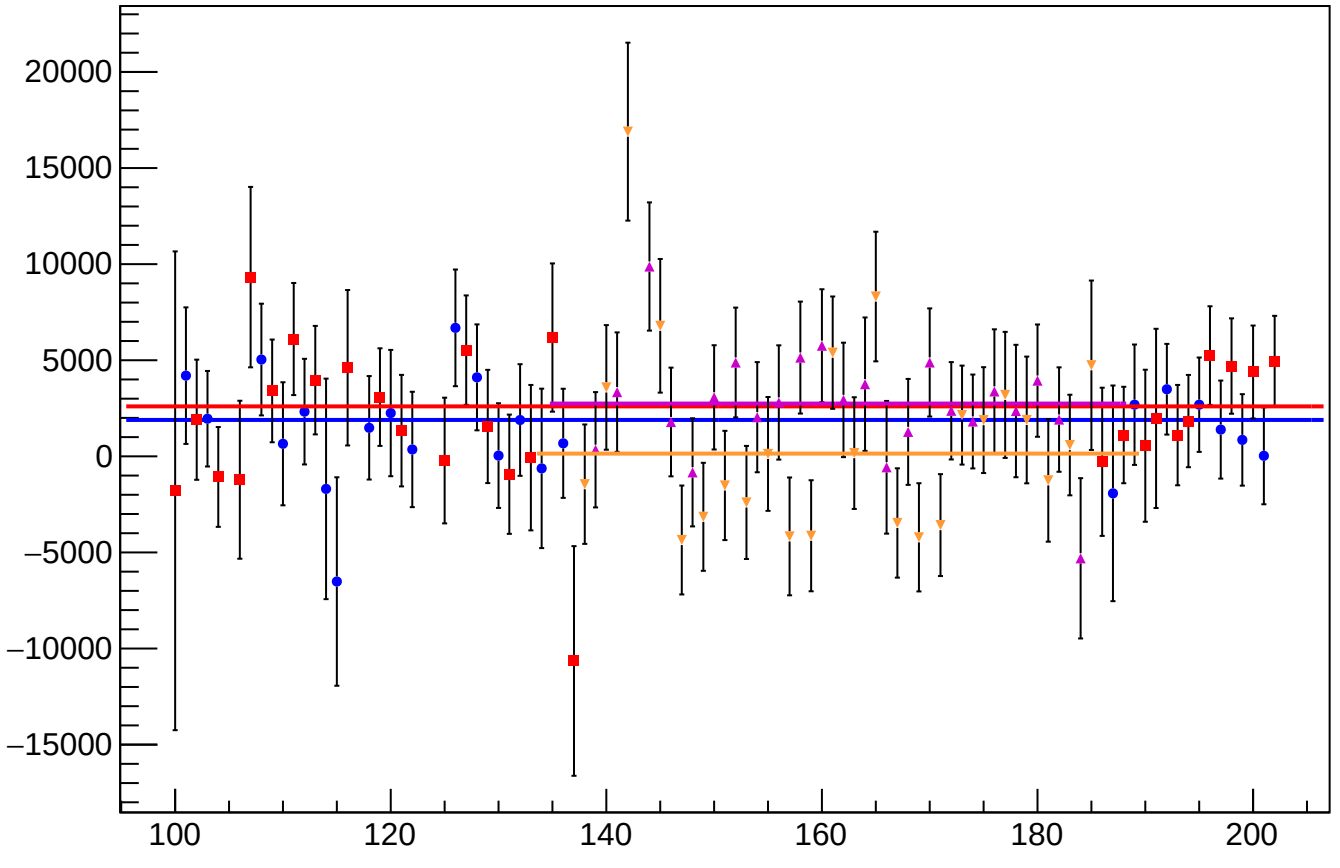
Right: -991.607+/-1363.956 χ^2/NDF: 58.7/50

In: -354.510+/-1519.710 χ^2/NDF:36.8/45

Out: -1509.802+/-1449.427 χ^2/NDF:66.0/51

All: -959.488+/-1048.866 χ^2/NDF: 103.1/97


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6796.770+/-1.425 χ²/NDF: 1763218.3/22
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 6715.074+/-1.310 χ²/NDF: 2428754.0/27
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 6752.510+/-0.964 χ²/NDF: 4193753.6/50
In: 8043.363+/-1.075 χ²/NDF:4917014.5/45
Out: 7909.654+/-1.025 χ²/NDF:5788763.1/51
All: 7973.345+/-0.742 χ²/NDF: 10713884.8/9



Right In: 1893.885+/-615.716 χ^2/NDF: 10.9/22

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2599.563+/-577.176 χ^2/NDF: 21.8/27

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

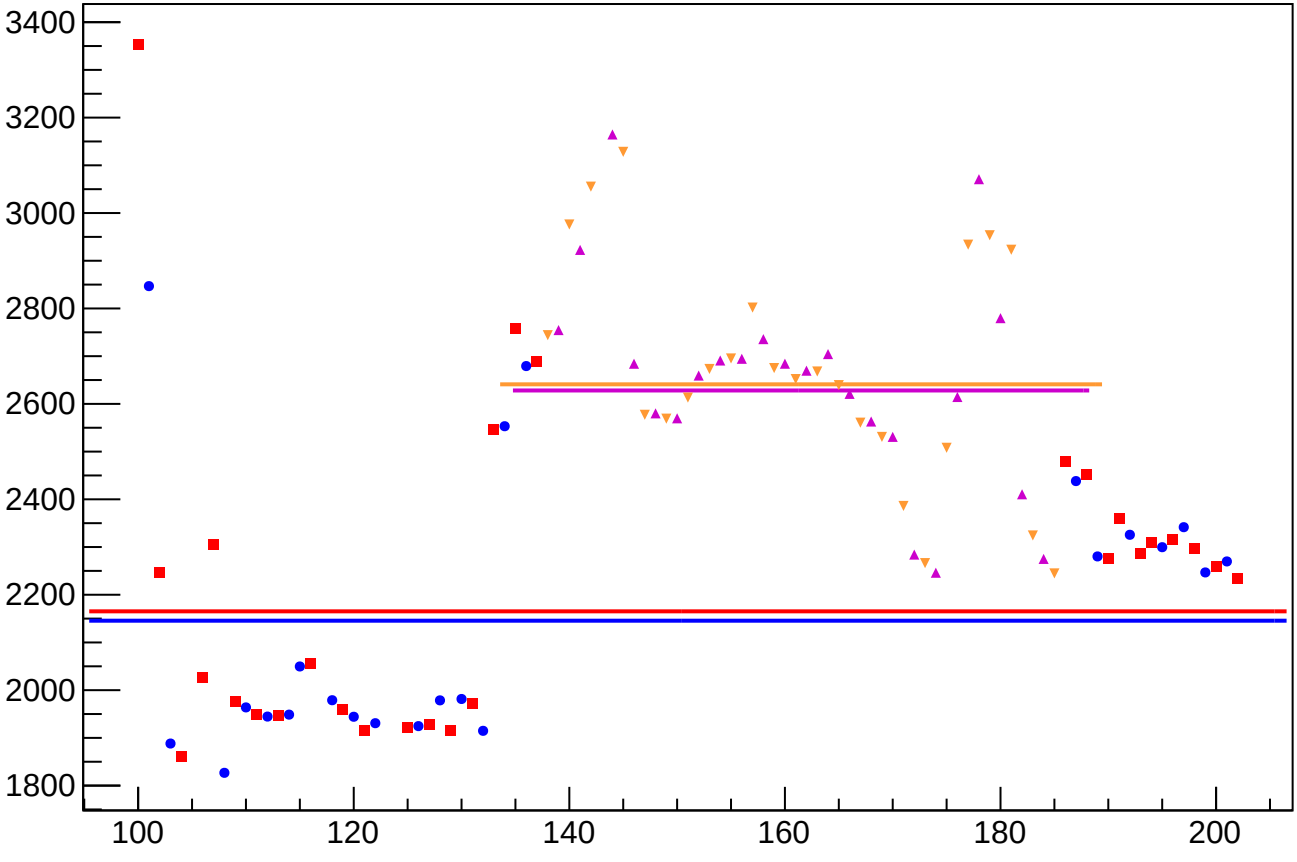
Right: 2269.500+/-421.091 χ^2/NDF: 33.3/50

In: 2319.651+/-435.521 χ^2/NDF:27.3/45

Out: 1450.357+/-421.096 χ^2/NDF:76.1/51

All: 1870.369+/-302.731 χ^2/NDF: 105.4/97

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2145.602+/-0.435 χ^2/NDF: 345742.2/22

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2165.234+/-0.408 χ^2/NDF: 316892.8/27

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

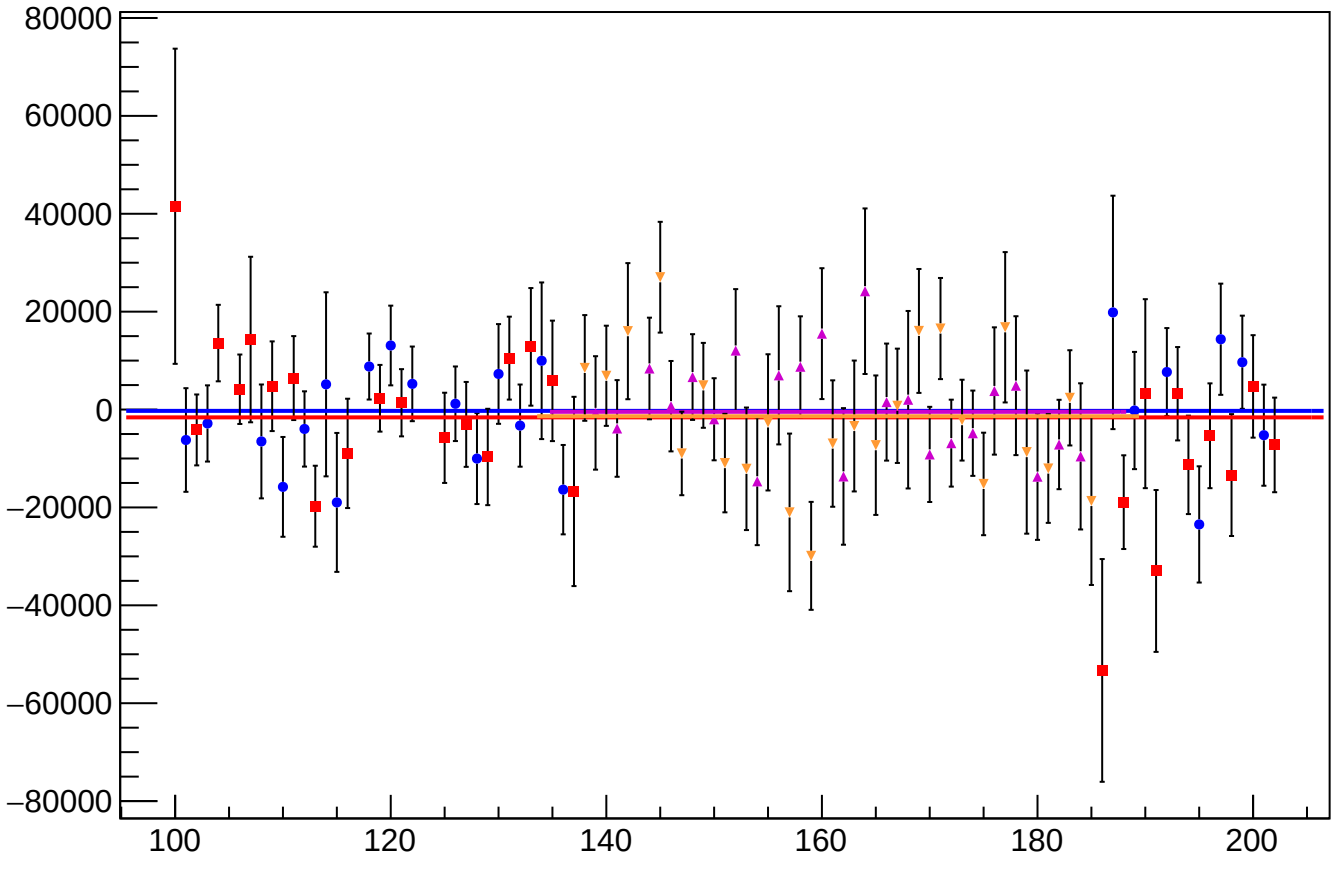
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2156.060+/-0.298 χ^2/NDF: 663718.1/50

In: 2386.699+/-0.308 χ^2/NDF:1196980.0/45

Out: 2387.552+/-0.298 χ^2/NDF:1206383.3/51

All: 2387.140+/-0.214 χ^2/NDF: 2403367.3/97



Right In: -271.691+/-2014.911 χ^2/NDF: 23.7/22

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1600.506+/-1853.079 χ^2/NDF: 34.7/27

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

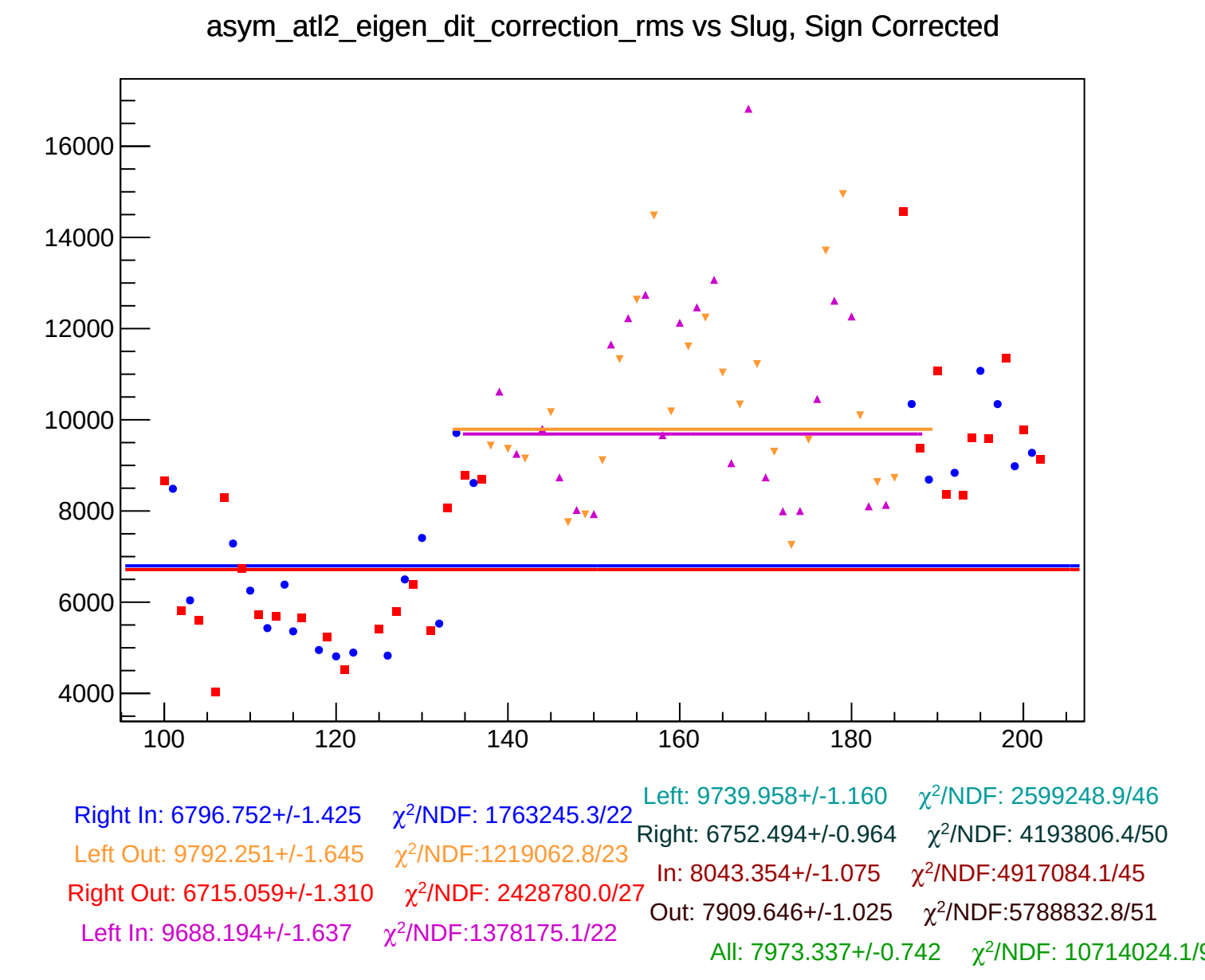
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -991.597+/-1363.954 χ^2/NDF: 58.7/50

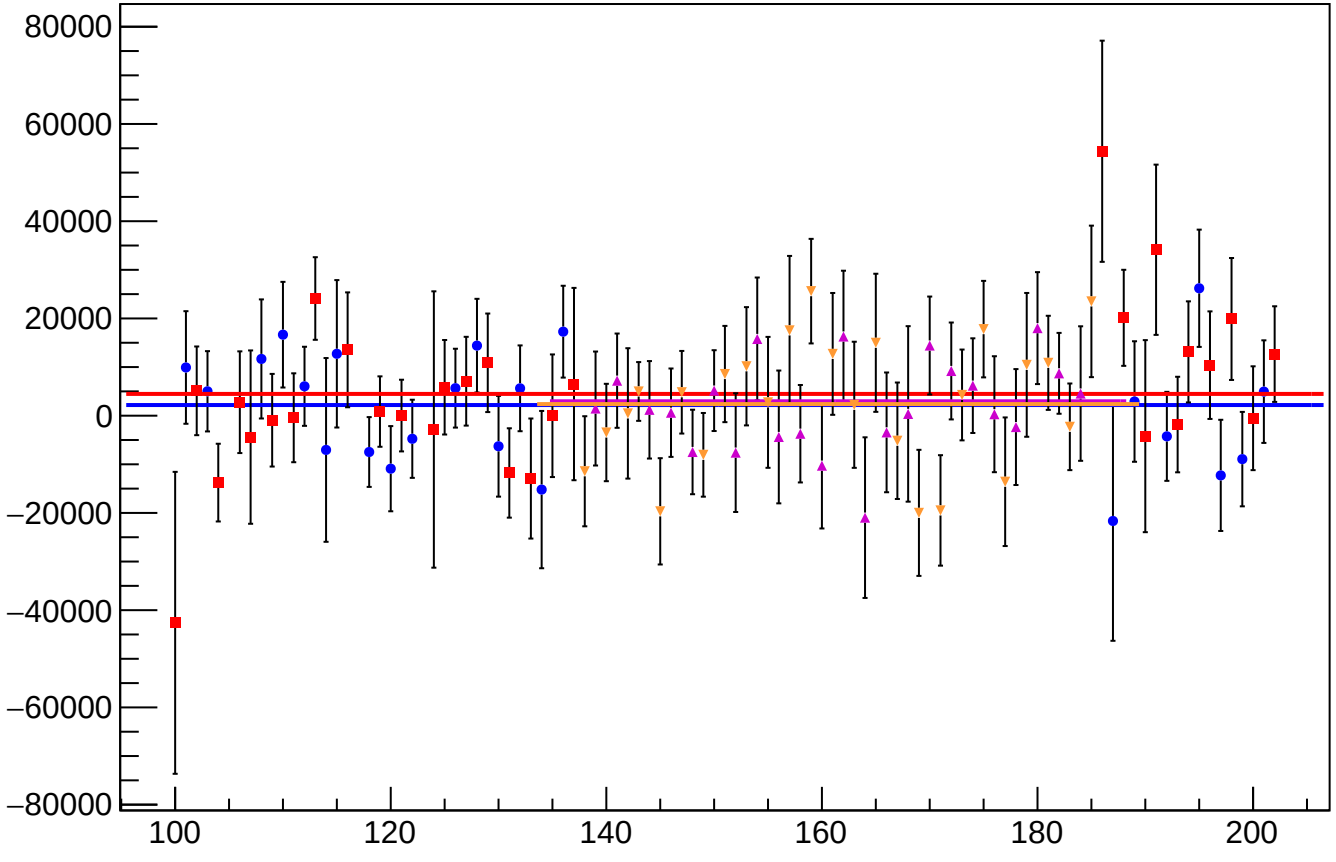
In: -354.506+/-1519.709 χ^2/NDF:36.8/45

Out: -1509.799+/-1449.426 χ^2/NDF:66.0/51

All: -959.484+/-1048.866 χ^2/NDF: 103.1/97


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6796.752+/-1.425 χ²/NDF: 1763245.3/22
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6715.059+/-1.310 χ²/NDF: 2428780.0/27
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6752.494+/-0.964 χ²/NDF: 4193806.4/50
In: 8043.354+/-1.075 χ²/NDF:4917084.1/45
Out: 7909.646+/-1.025 χ²/NDF:5788832.8/51
All: 7973.337+/-0.742 χ²/NDF: 10714024.1/9

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2190.675+/-2108.848 χ^2/NDF: 23.4/22

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 4477.138+/-1982.112 χ^2/NDF: 35.0/28

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

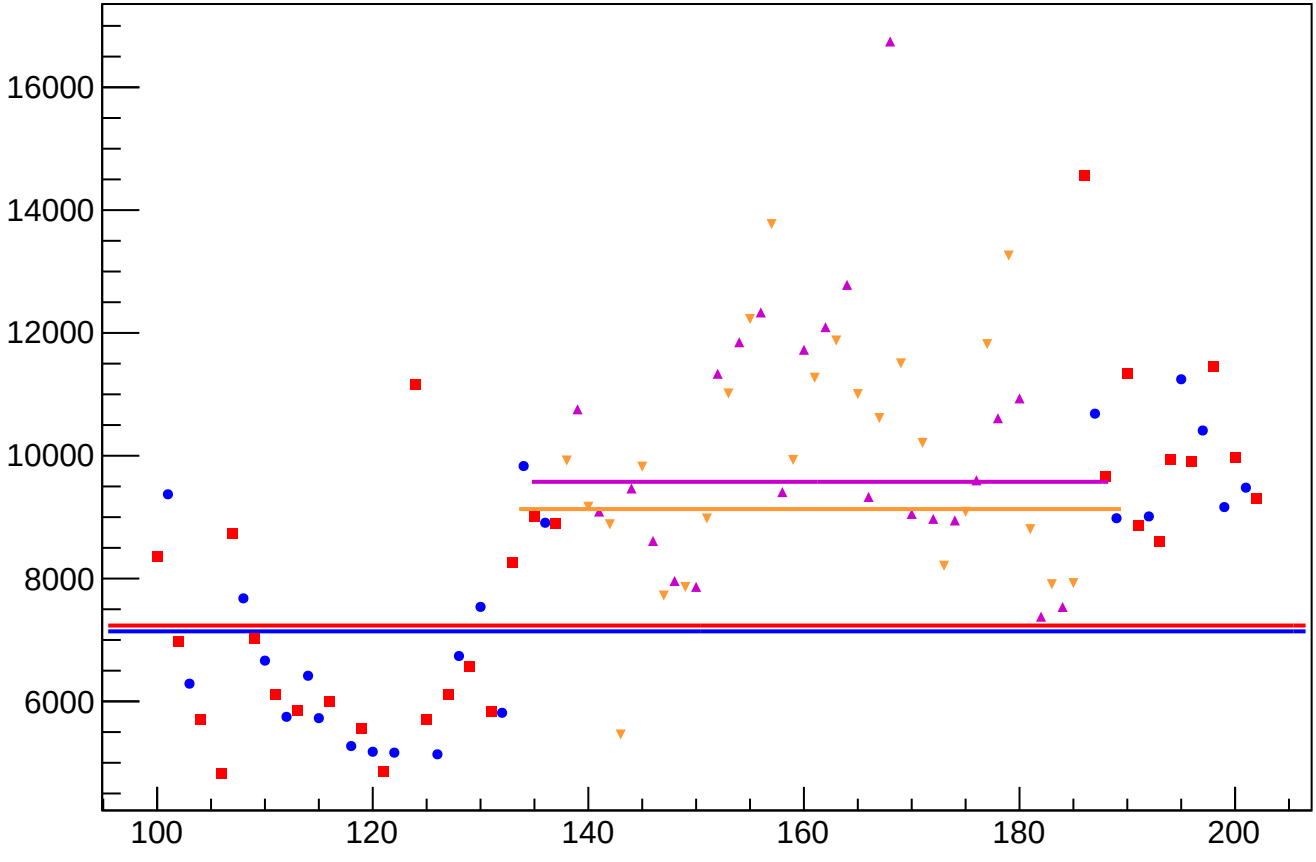
Right: 3404.672+/-1444.292 χ^2/NDF: 59.0/51

In: 2547.193+/-1547.820 χ^2/NDF:36.4/45

Out: 3510.720+/-1453.092 χ^2/NDF:65.2/53

All: 3059.341+/-1059.398 χ^2/NDF: 101.8/99

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7140.176+/-1.491 χ^2/NDF: 1587586.8/22

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7235.014+/-1.402 χ^2/NDF: 2028778.4/28

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

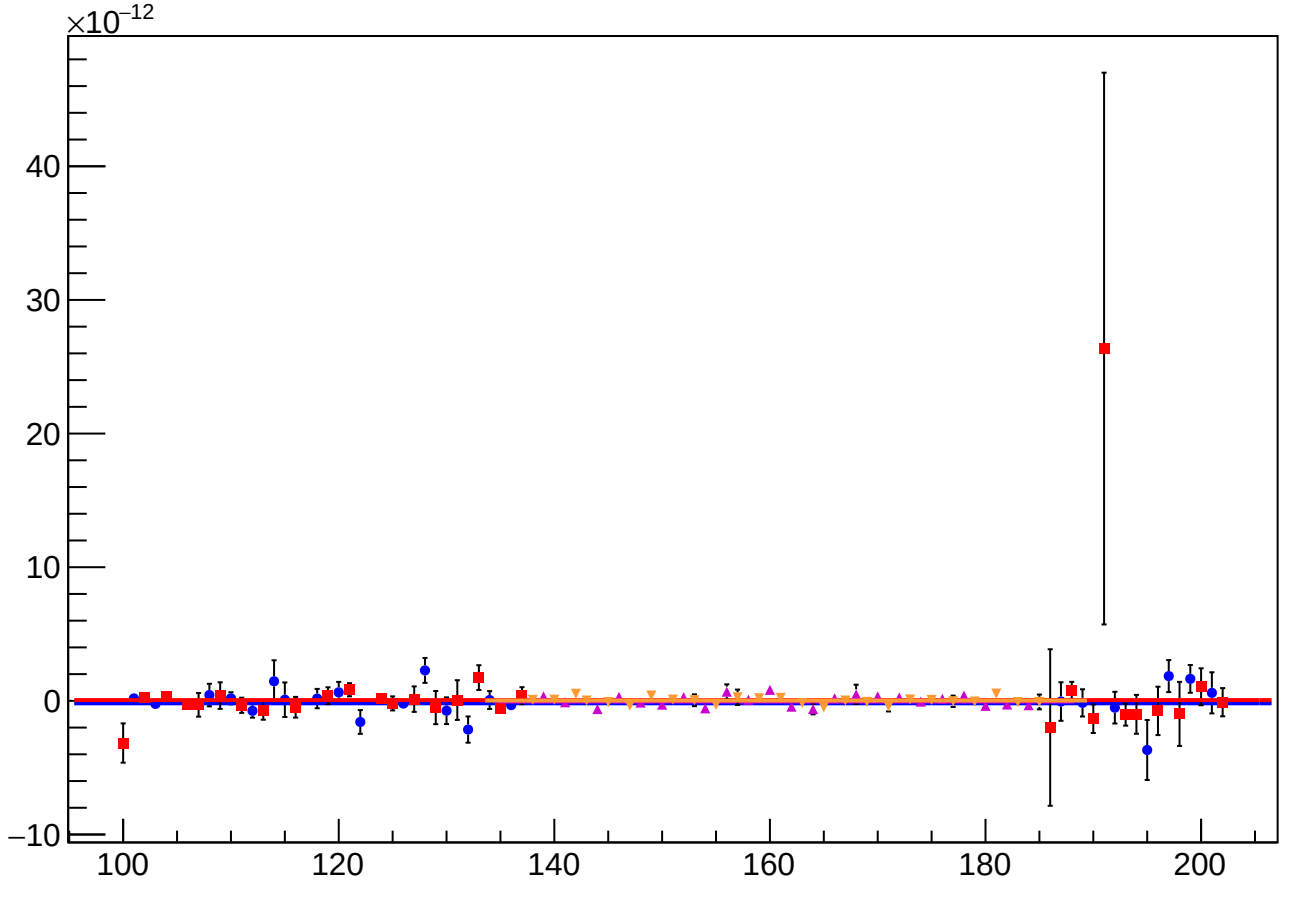
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7190.530+/-1.021 χ^2/NDF: 3618512.8/51

In: 8263.457+/-1.094 χ^2/NDF:3971482.1/45

Out: 8112.350+/-1.027 χ^2/NDF:4687549.8/53

All: 8183.138+/-0.749 χ^2/NDF: 8669163.8/99



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

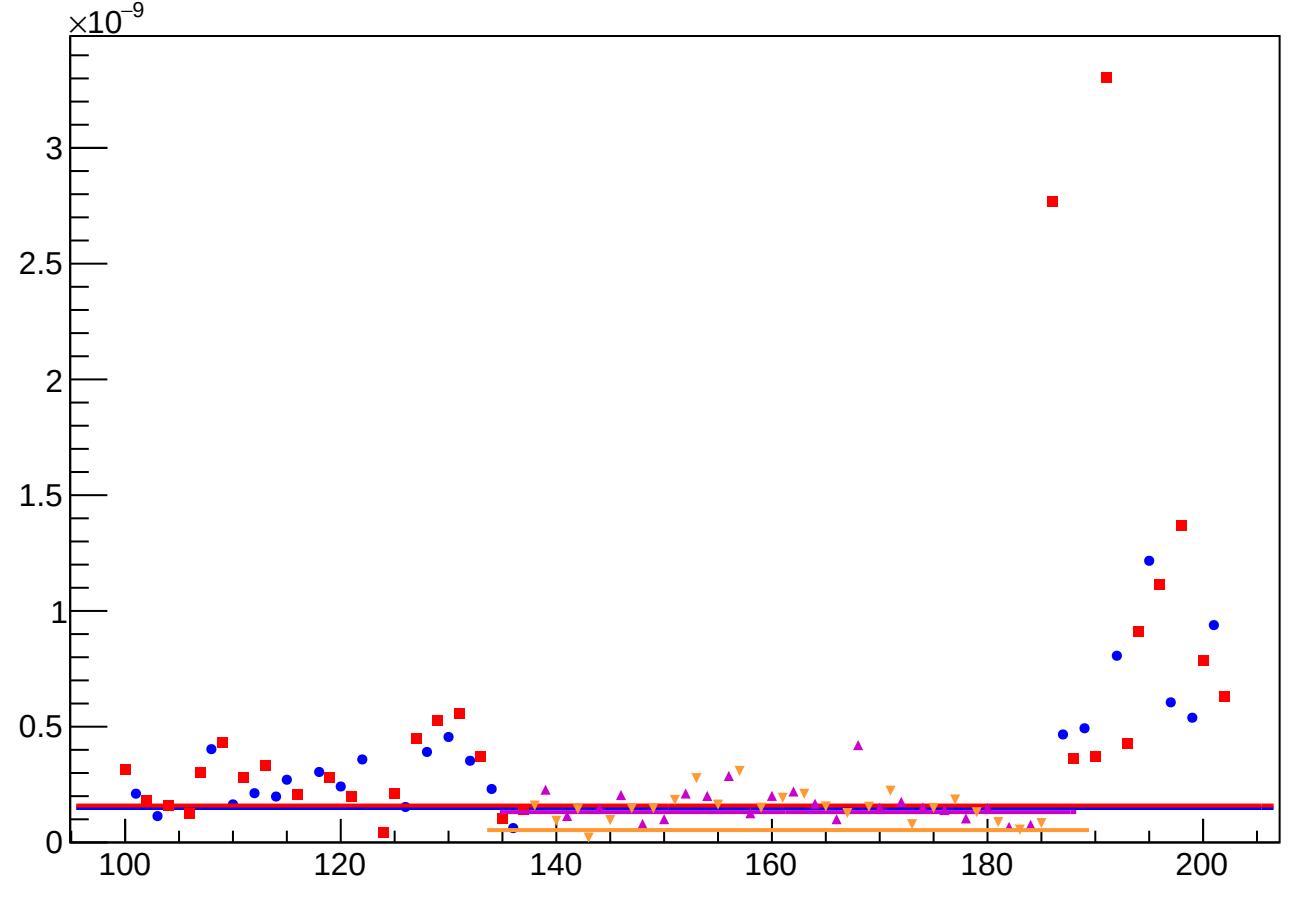
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 62.0/51

In: -0.000+/-0.000 χ^2/NDF:68.1/45

Out: 0.000+/-0.000 χ^2/NDF:46.9/53

All: -0.000+/-0.000 χ^2/NDF: 119.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 4300393.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5801396.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

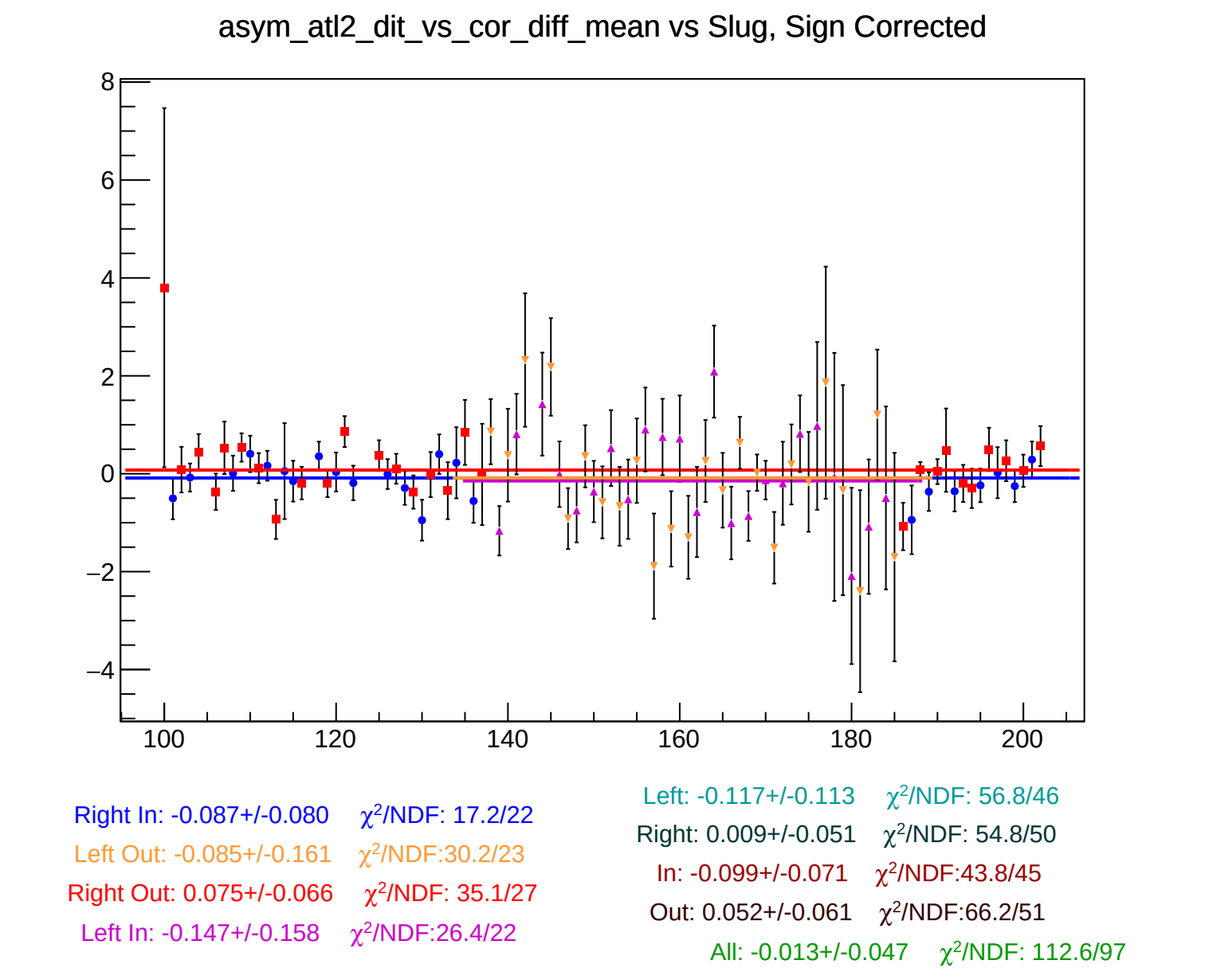
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10114695.9/51

In: 0.000+/-0.000 χ^2/NDF:6258248.3/45

Out: 0.000+/-0.000 χ^2/NDF:15414549.9/53

All: 0.000+/-0.000 χ^2/NDF: 25131437.3/99


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
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−2
−4
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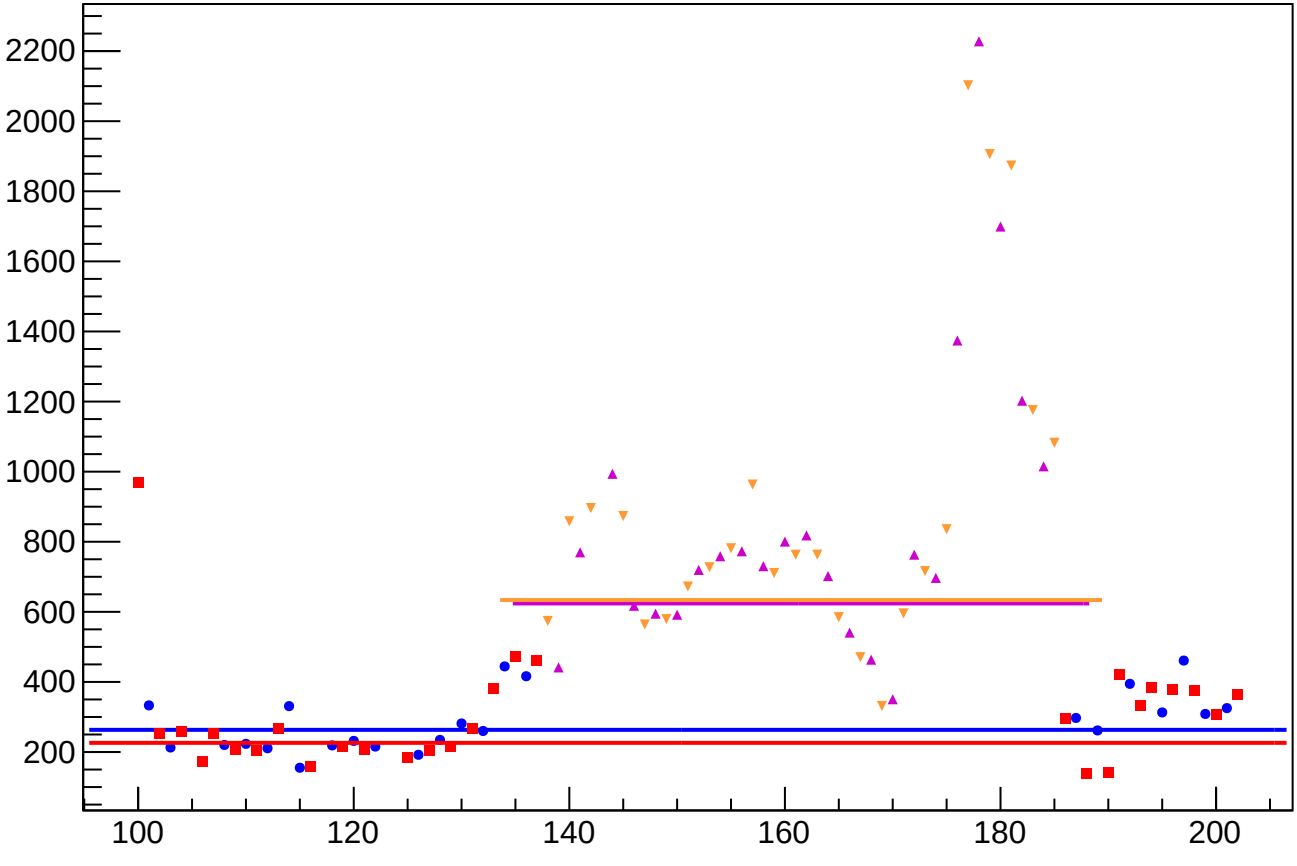
120
140
160
180
200
Right In: -0.087+/-0.080 χ²/NDF: 17.2/22
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.075+/-0.066 χ²/NDF: 35.1/27
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.009+/-0.051 χ²/NDF: 54.8/50
In: -0.099+/-0.071 χ²/NDF:43.8/45
Out: 0.052+/-0.061 χ²/NDF:66.2/51
All: -0.013+/-0.047 χ²/NDF: 112.6/97

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 263.299+/-0.056 χ^2/NDF: 1582382.7/22

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 226.197+/-0.047 χ^2/NDF: 3205006.6/27

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

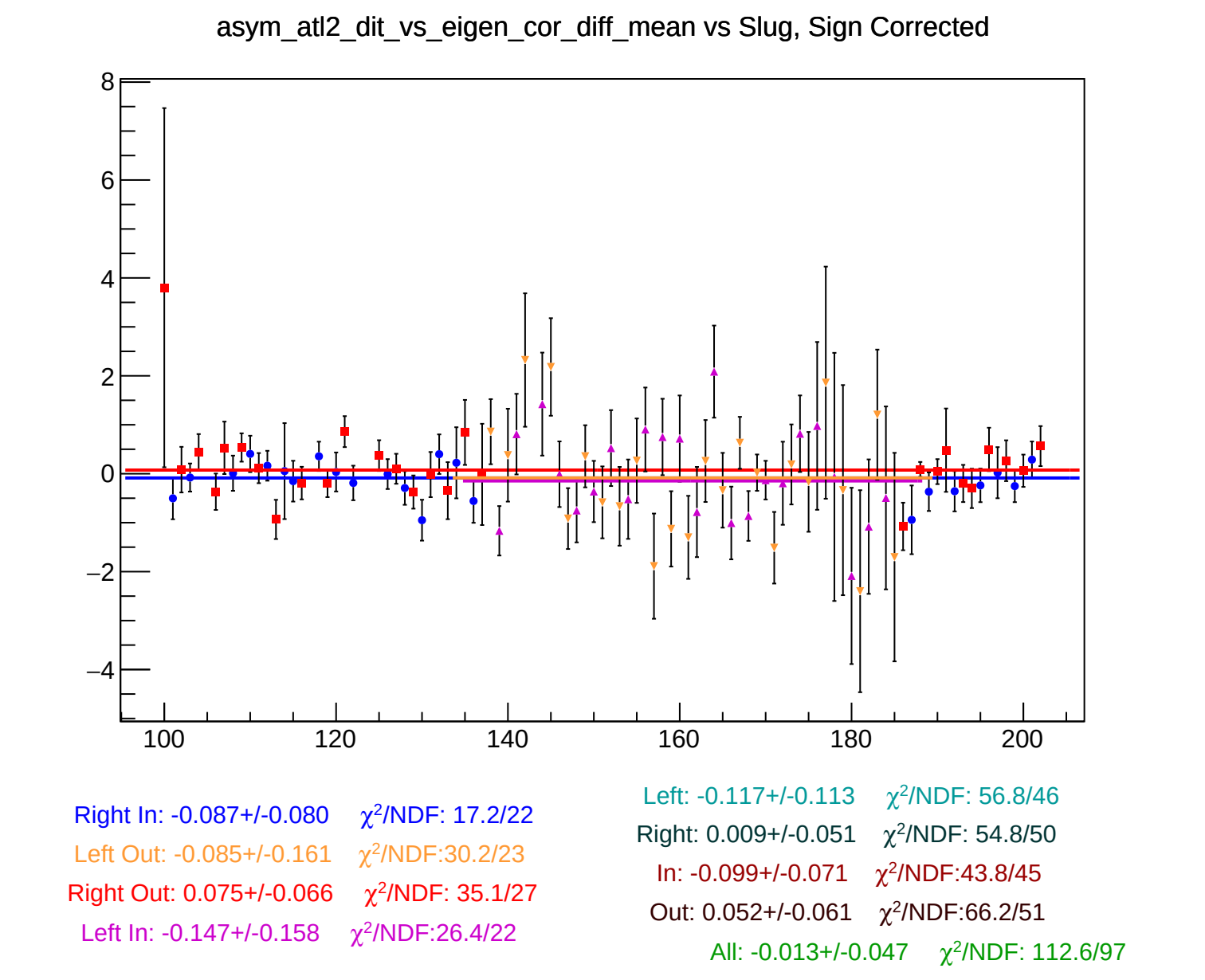
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 241.365+/-0.036 χ^2/NDF: 5042643.9/50

In: 336.511+/-0.050 χ^2/NDF:14405021.1/45

Out: 285.166+/-0.043 χ^2/NDF:19097686.1/51

All: 307.039+/-0.033 χ^2/NDF: 34098273.5/97


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
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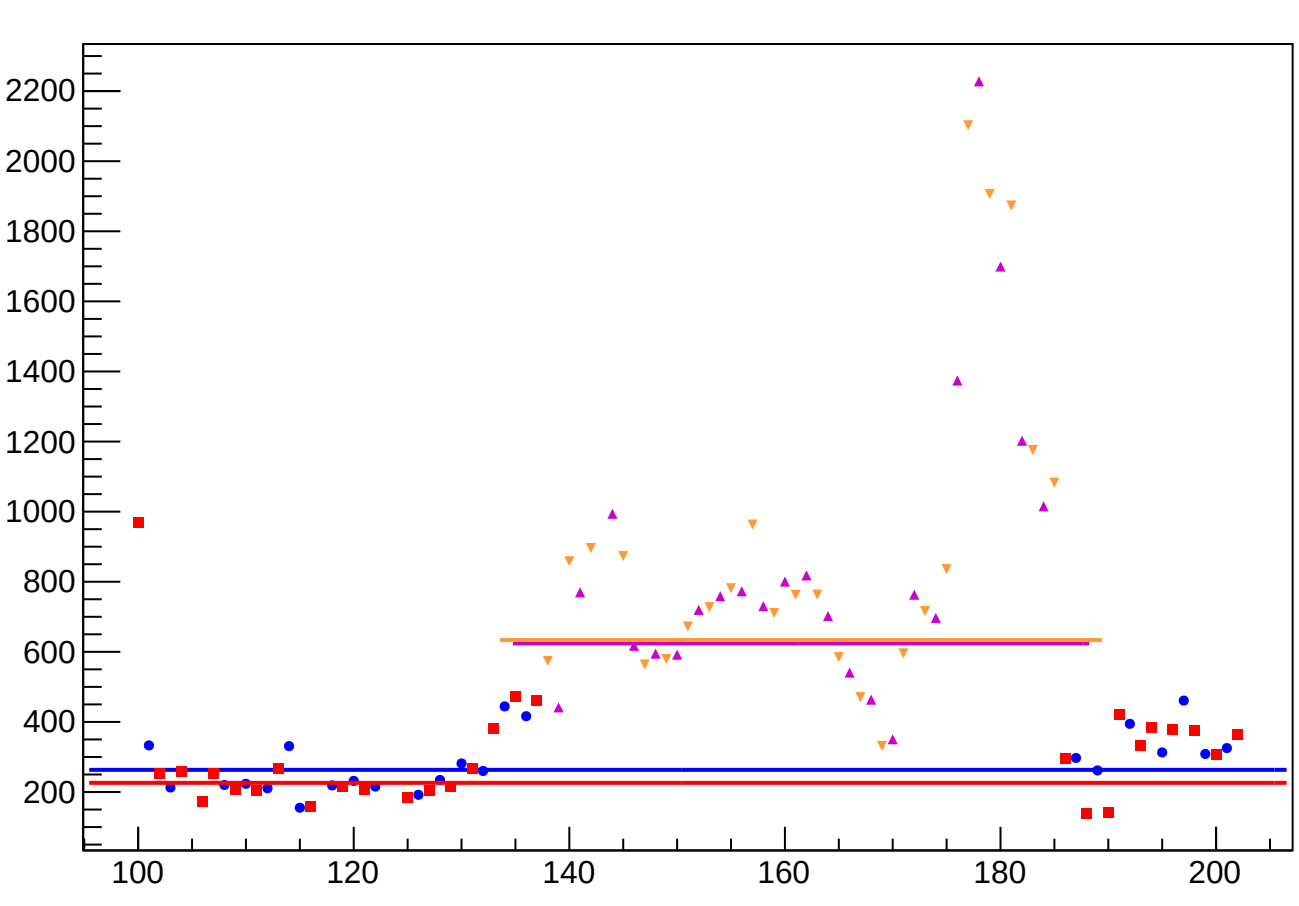
−2
−4
100
120
140
160
180
200
Right In: -0.087+/-0.080 χ²/NDF: 17.2/22
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.075+/-0.066 χ²/NDF: 35.1/27
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.009+/-0.051 χ²/NDF: 54.8/50
In: -0.099+/-0.071 χ²/NDF:43.8/45
Out: 0.052+/-0.061 χ²/NDF:66.2/51
All: -0.013+/-0.047 χ²/NDF: 112.6/97



Right In: 263.299+/-0.056 χ^2/NDF: 1582382.7/22

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 226.197+/-0.047 χ^2/NDF: 3205006.6/27

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

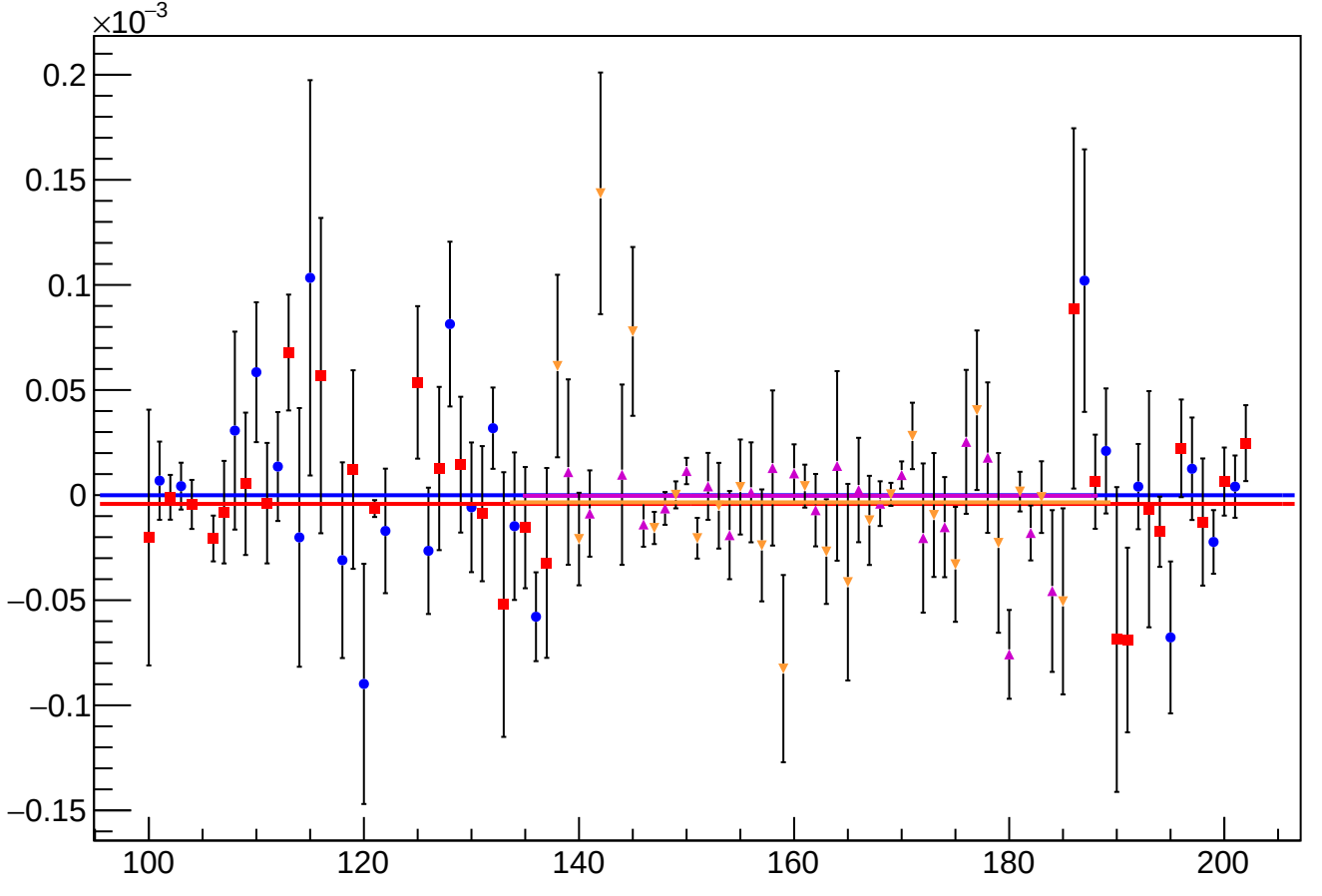
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 241.365+/-0.036 χ^2/NDF: 5042643.9/50

In: 336.511+/-0.050 χ^2/NDF:14405021.1/45

Out: 285.166+/-0.043 χ^2/NDF:19097686.1/51

All: 307.039+/-0.033 χ^2/NDF: 34098273.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 33.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/27

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

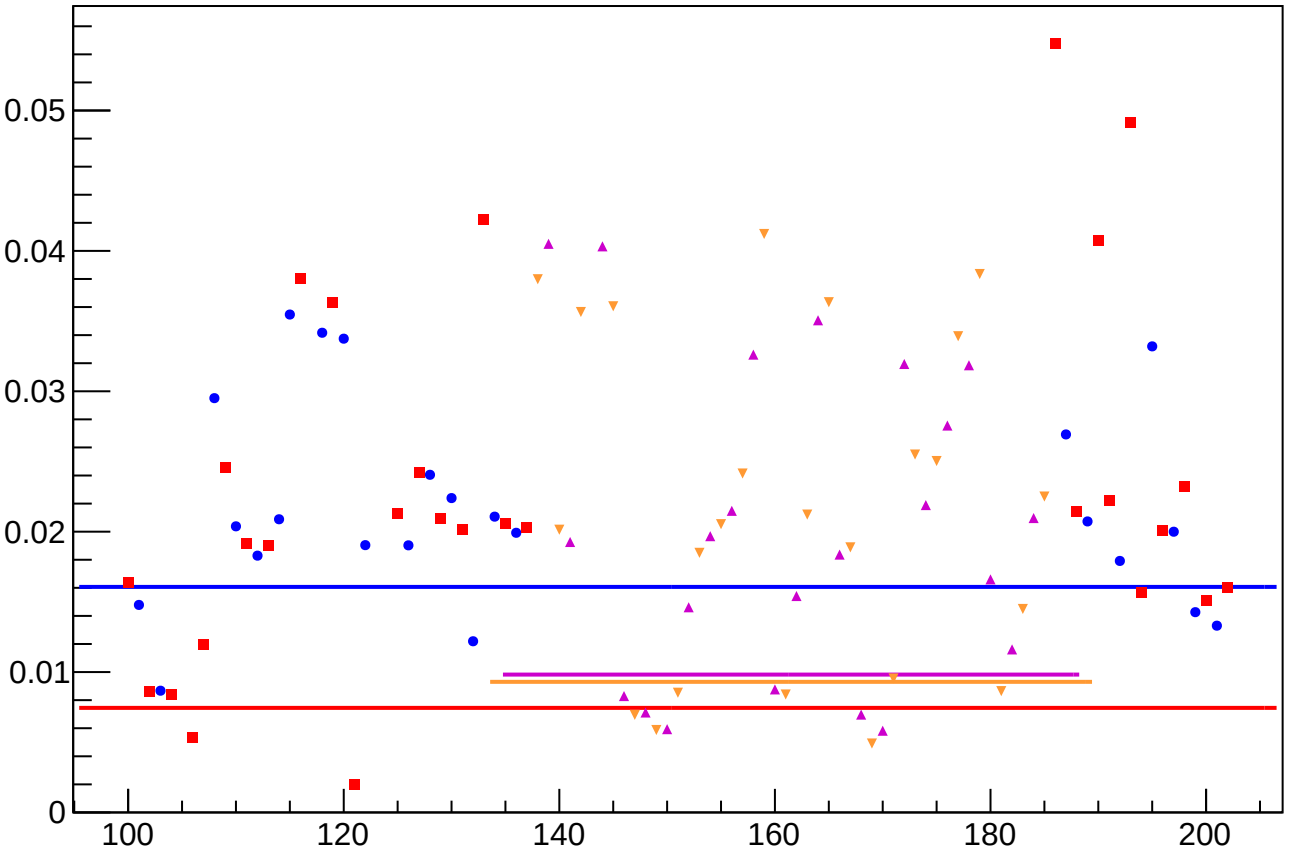
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 57.9/50

In: -0.000+/-0.000 χ^2/NDF:61.3/45

Out: -0.000+/-0.000 χ^2/NDF:58.3/51

All: -0.000+/-0.000 χ^2/NDF: 120.8/97



Right In: 0.016+/-0.000 χ^2/NDF: 2811536.1/22

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 14329281.3/27

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

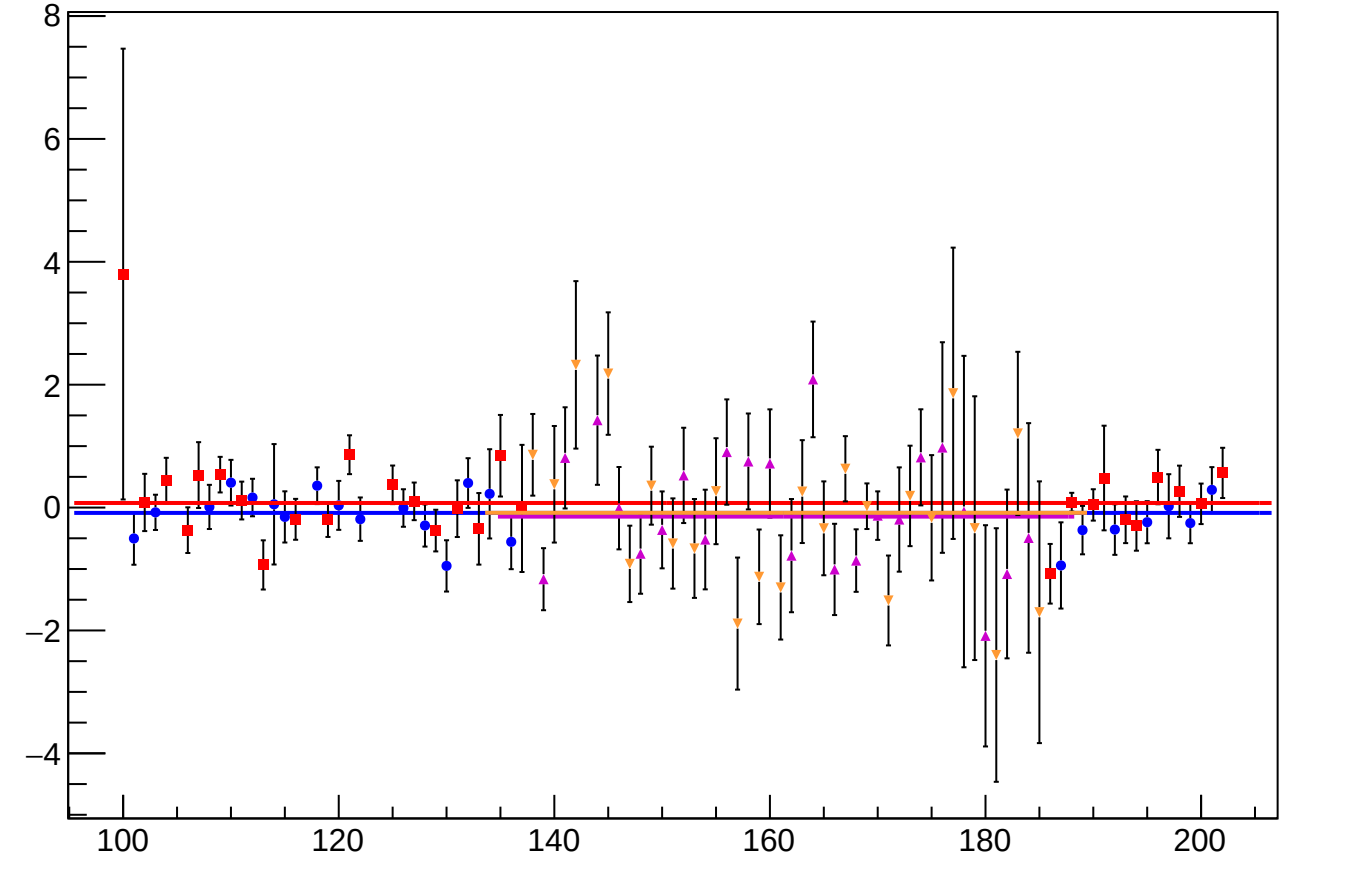
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 21523334.8/50

In: 0.011+/-0.000 χ^2/NDF:15446238.7/45

Out: 0.008+/-0.000 χ^2/NDF:26975186.6/51

All: 0.010+/-0.000 χ^2/NDF: 44091509.1/97



Right In: -0.087+/-0.080 χ^2/NDF: 17.2/22

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.075+/-0.066 χ^2/NDF: 35.1/27

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

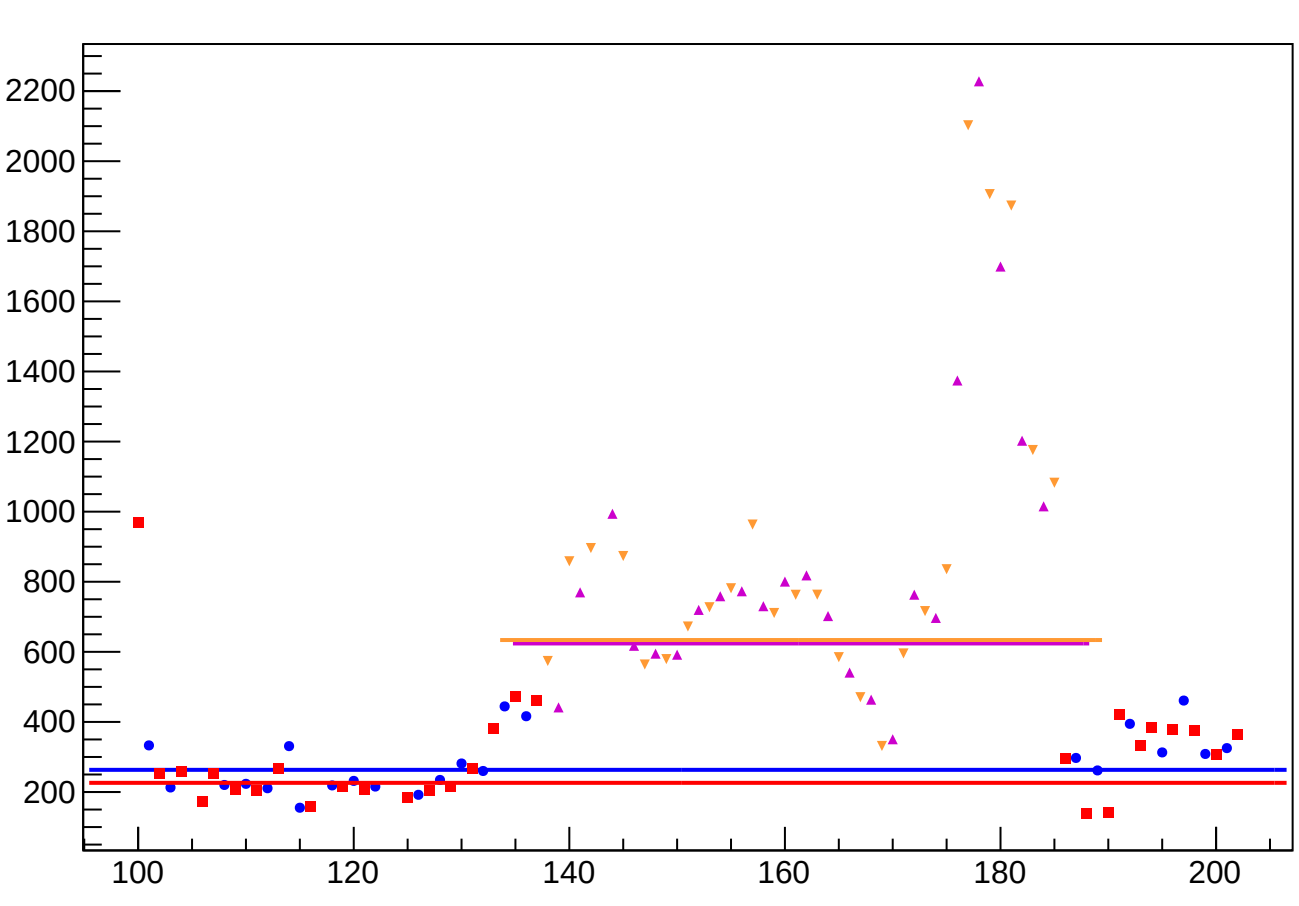
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.009+/-0.051 χ^2/NDF: 54.8/50

In: -0.099+/-0.071 χ^2/NDF:43.8/45

Out: 0.052+/-0.061 χ^2/NDF:66.2/51

All: -0.013+/-0.047 χ^2/NDF: 112.6/97


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
2000
1800
1600
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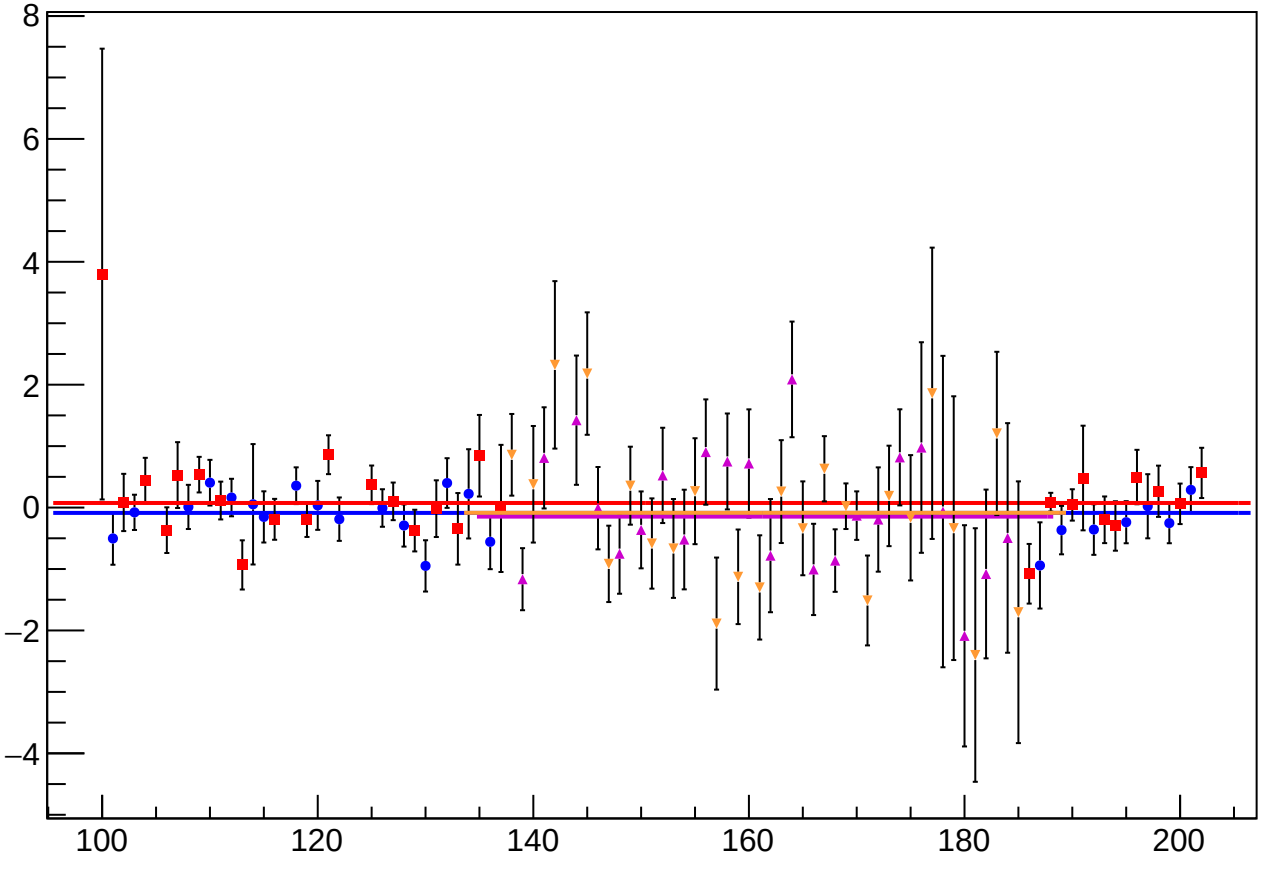
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 263.300+/-0.056 χ²/NDF: 1582341.2/22
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 226.194+/-0.047 χ²/NDF: 3205127.0/27
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 241.364+/-0.036 χ²/NDF: 5042768.1/50
In: 336.512+/-0.050 χ²/NDF:14405072.7/45
Out: 285.163+/-0.043 χ²/NDF:19098098.6/51
All: 307.037+/-0.033 χ²/NDF: 34098829.6/97

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.087+/-0.080 χ^2/NDF: 17.2/22

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.075+/-0.066 χ^2/NDF: 35.1/27

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

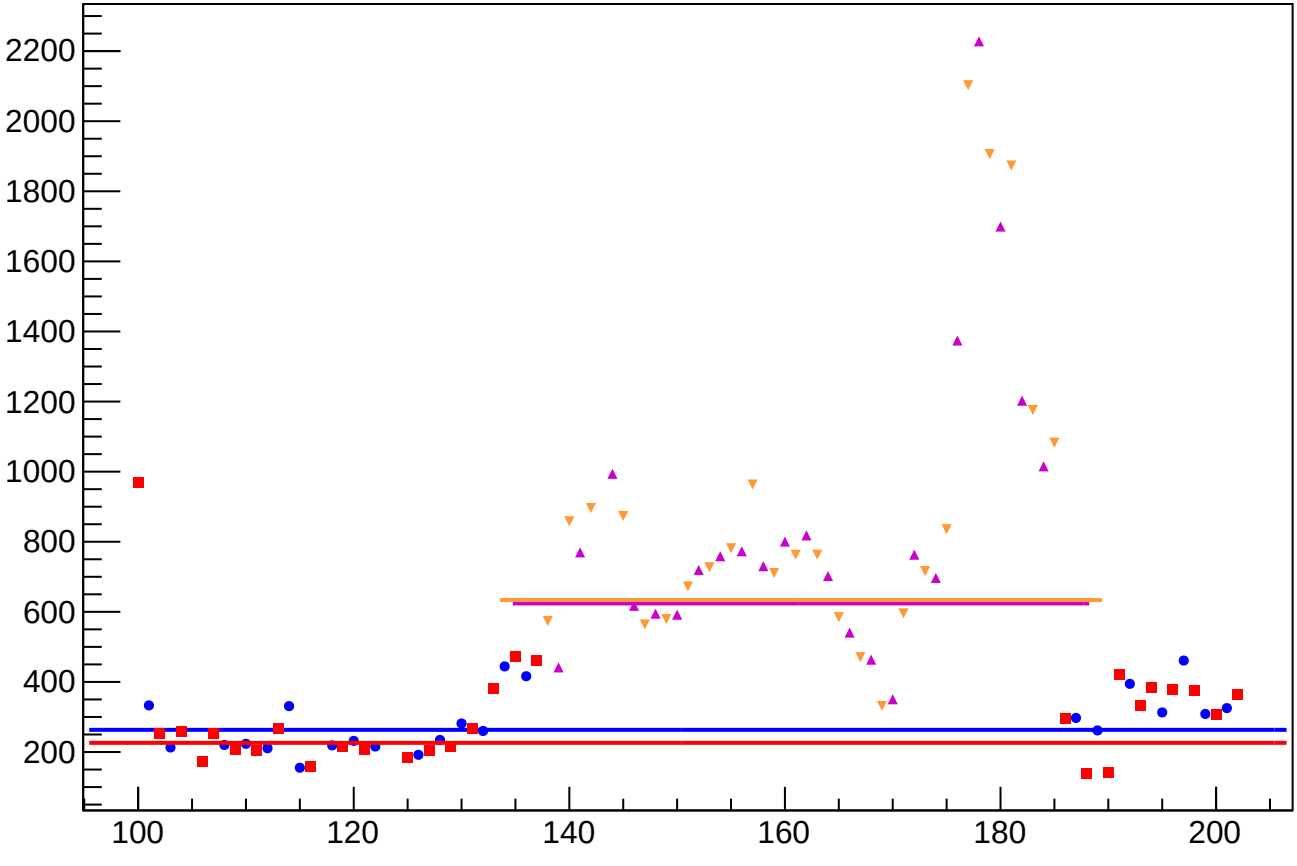
Right: 0.009+/-0.051 χ^2/NDF: 54.8/50

In: -0.099+/-0.071 χ^2/NDF:43.8/45

Out: 0.052+/-0.061 χ^2/NDF:66.2/51

All: -0.013+/-0.047 χ^2/NDF: 112.6/97

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 263.300+/-0.056 χ^2/NDF: 1582341.2/22

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 226.194+/-0.047 χ^2/NDF: 3205127.0/27

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

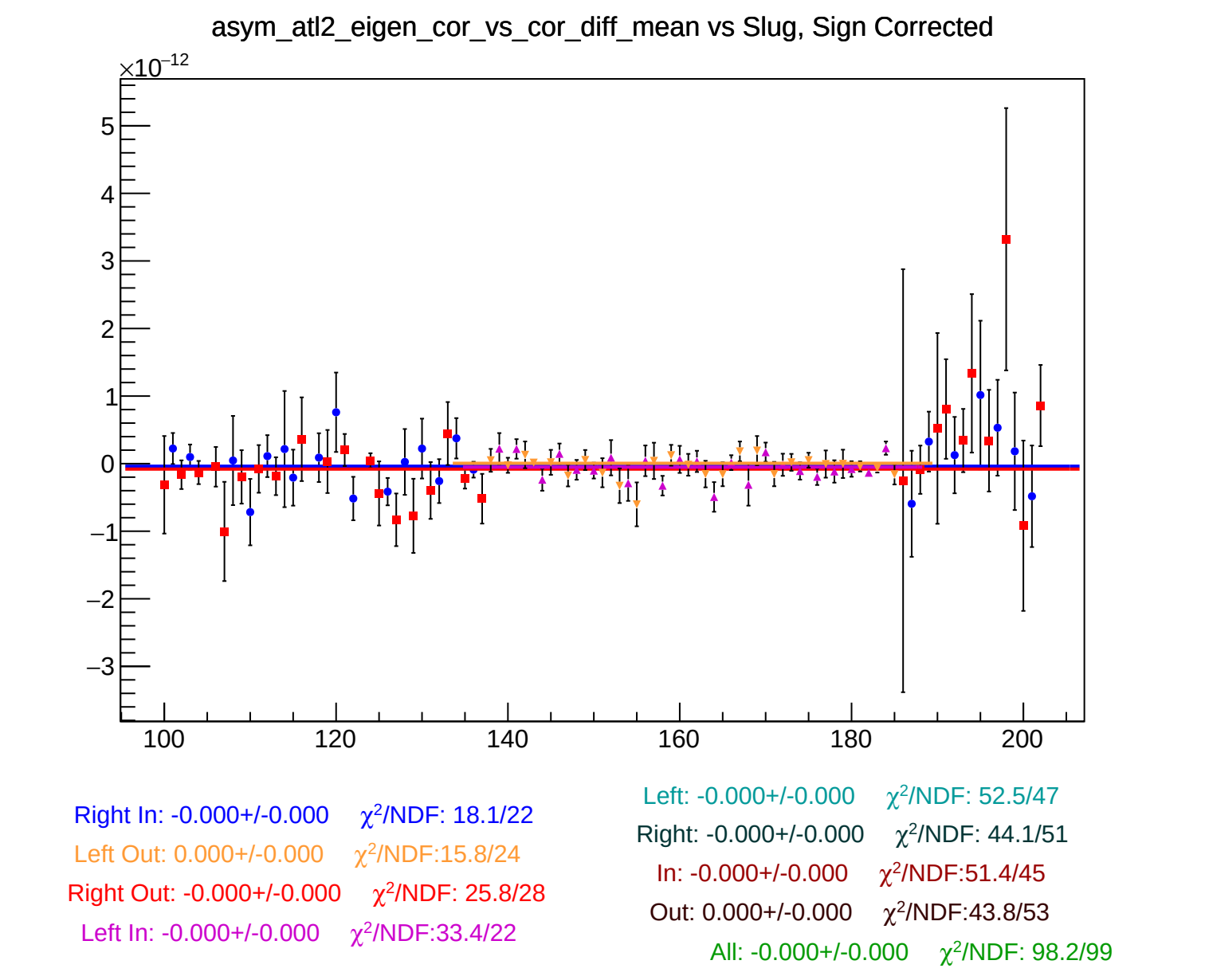
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

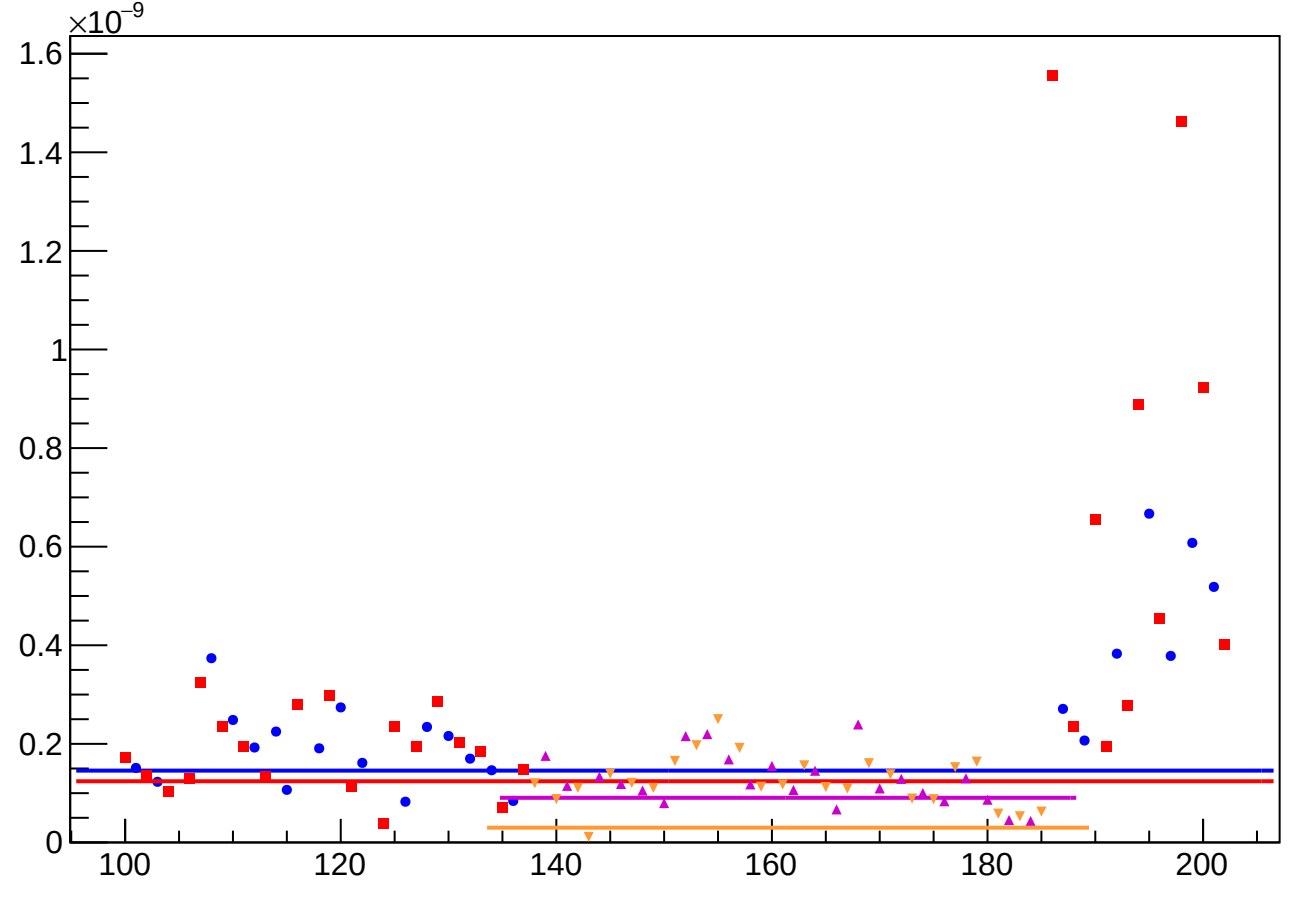
Right: 241.364+/-0.036 χ^2/NDF: 5042768.1/50

In: 336.512+/-0.050 χ^2/NDF:14405072.7/45

Out: 285.163+/-0.043 χ^2/NDF:19098098.6/51

All: 307.037+/-0.033 χ^2/NDF: 34098829.6/97


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
Right In: -0.000+/-0.000 χ²/NDF: 18.1/22
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/28
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: 44.1/51
In: -0.000+/-0.000 χ²/NDF:51.4/45
Out: 0.000+/-0.000 χ²/NDF:43.8/53
All: -0.000+/-0.000 χ²/NDF: 98.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 3603173.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7371390.1/28

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

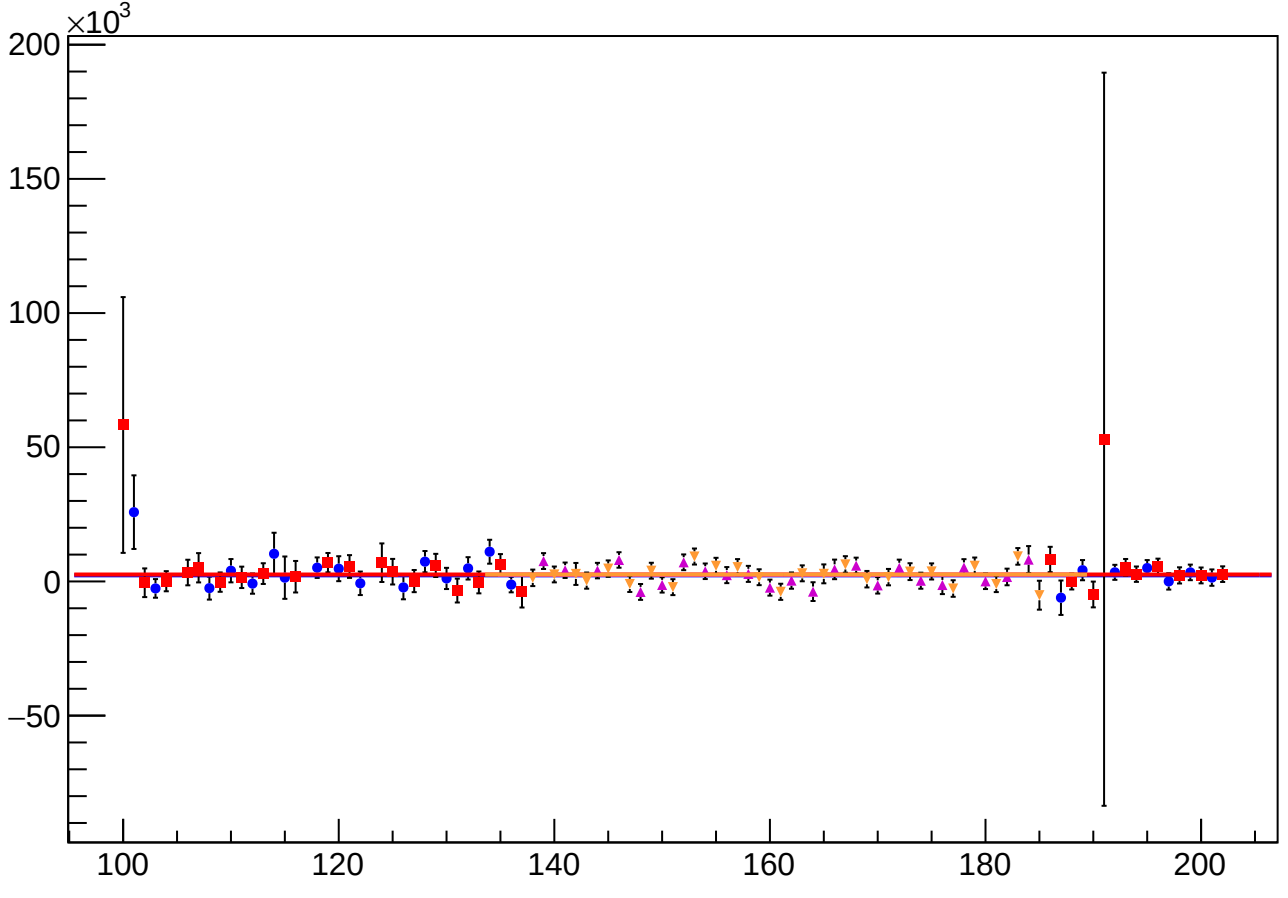
Right: 0.000+/-0.000 χ^2/NDF: 11098559.8/51

In: 0.000+/-0.000 χ^2/NDF:9528295.7/45

Out: 0.000+/-0.000 χ^2/NDF:29806330.9/53

All: 0.000+/-0.000 χ^2/NDF: 49172754.5/99

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2265.064+/-804.947 χ^2/NDF: 21.6/22

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2582.813+/-743.634 χ^2/NDF: 17.1/28

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

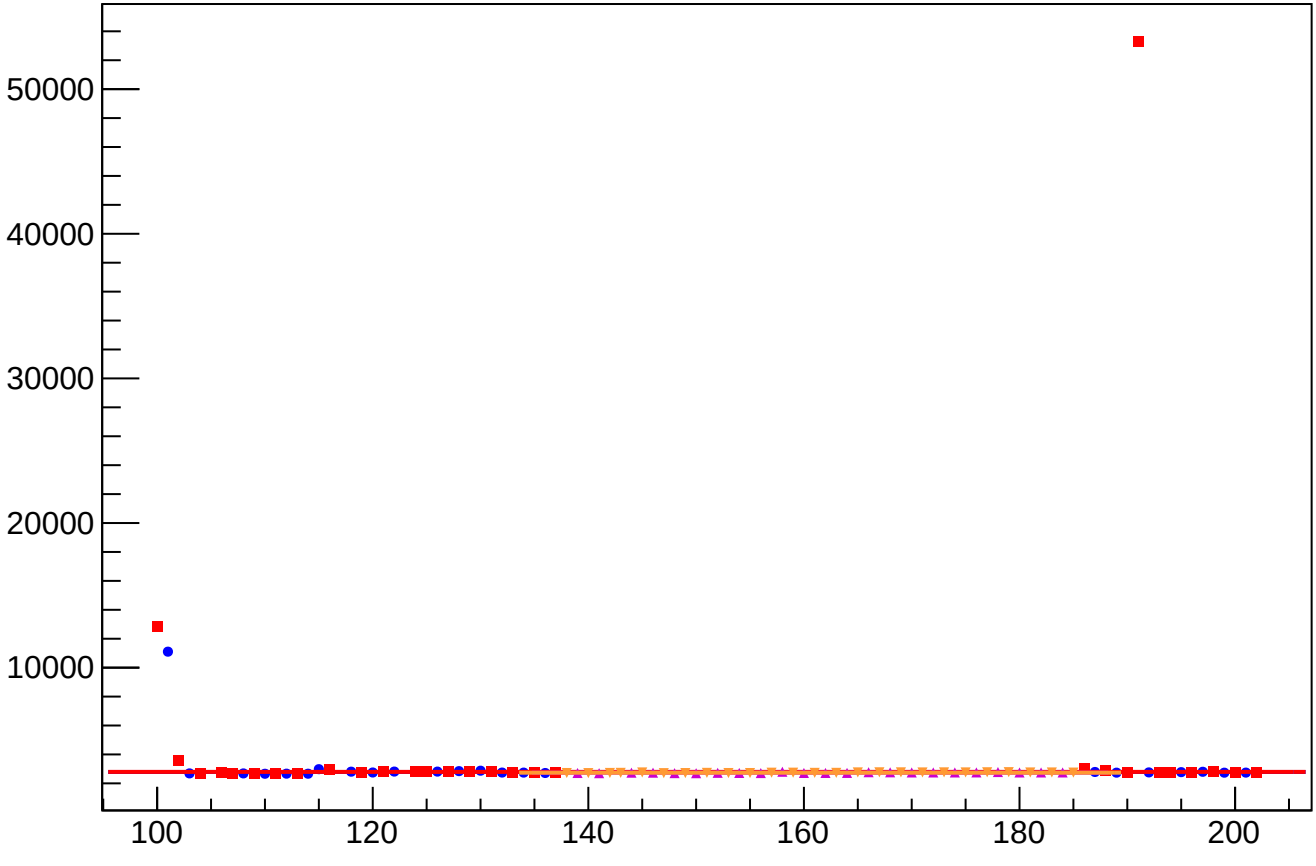
Right: 2436.499+/-546.220 χ^2/NDF: 38.8/51

In: 2352.864+/-500.824 χ^2/NDF:52.9/45

Out: 2567.520+/-477.028 χ^2/NDF:48.7/53

All: 2465.412+/-345.416 χ^2/NDF: 101.8/99

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2786.235+/-0.569 χ^2/NDF: 748395.3/22

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2793.070+/-0.526 χ^2/NDF: 479212.8/28

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

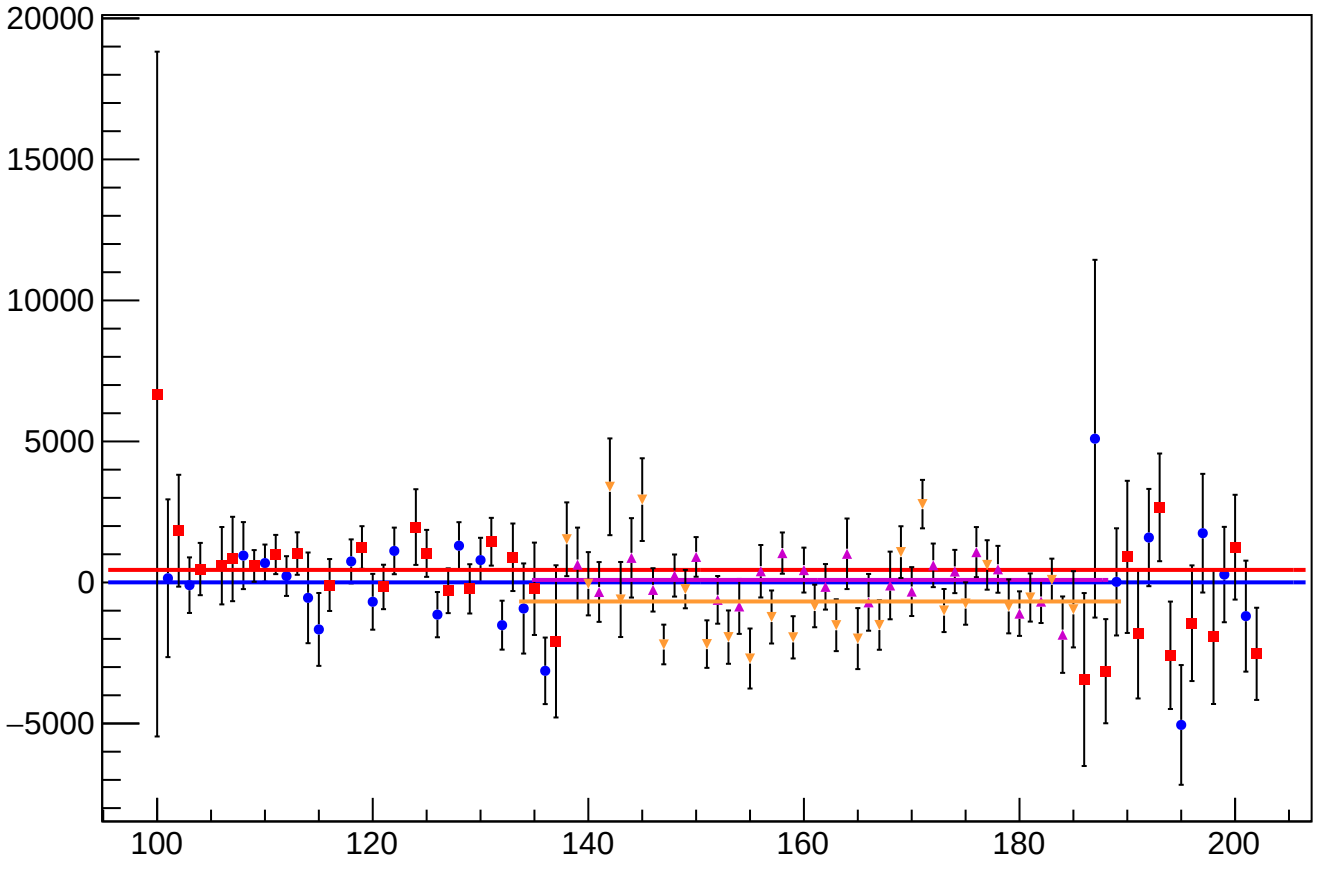
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2789.923+/-0.386 χ^2/NDF: 1227685.9/51

In: 2757.814+/-0.354 χ^2/NDF:755825.4/45

Out: 2760.378+/-0.337 χ^2/NDF:488098.5/53

All: 2759.159+/-0.244 χ^2/NDF: 1243951.4/99



Right In: 3.986+/-223.395 χ^2/NDF: 31.0/22

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 445.341+/-204.978 χ^2/NDF: 25.6/28

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

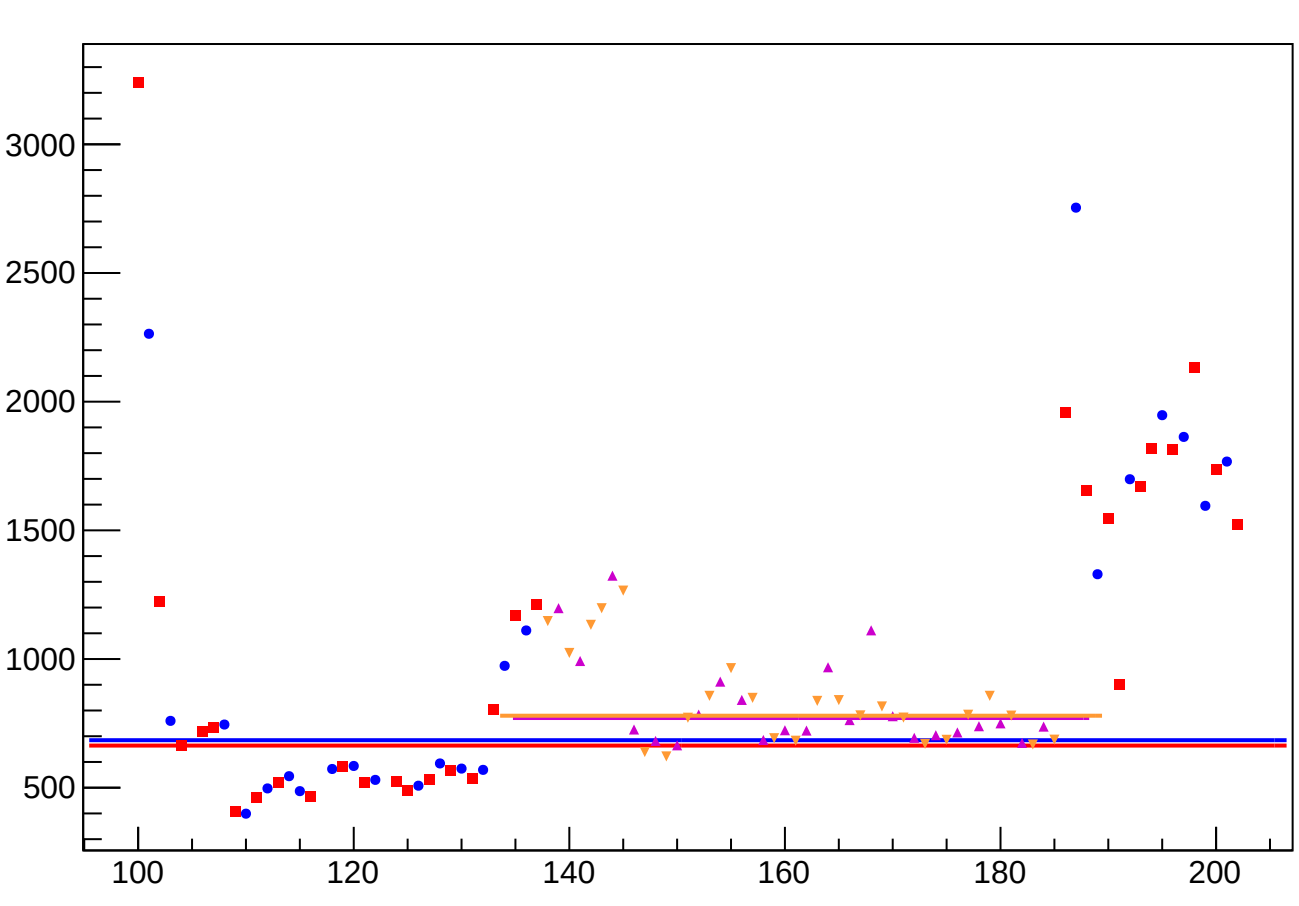
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 243.603+/-151.033 χ^2/NDF: 58.7/51

In: 55.061+/-141.792 χ^2/NDF:45.9/45

Out: -182.726+/-135.773 χ^2/NDF:100.7/53

All: -68.987+/-98.065 χ^2/NDF: 148.0/99



Right In: 684.584+/-0.158 χ^2/NDF: 5545074.9/22

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 663.711+/-0.145 χ^2/NDF: 6697021.4/28

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

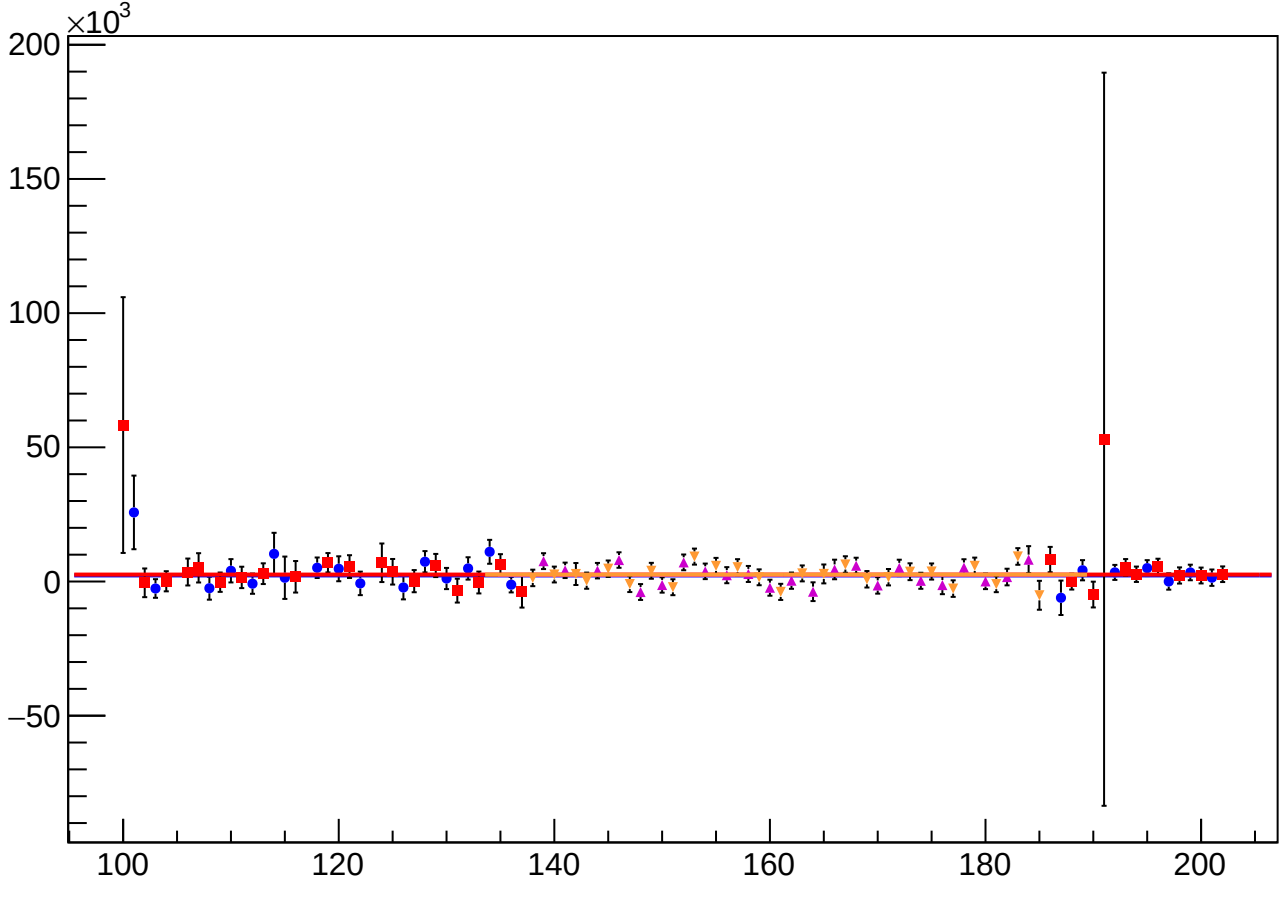
Right: 673.252+/-0.107 χ^2/NDF: 12251575.5/51

In: 736.063+/-0.100 χ^2/NDF:6799292.0/45

Out: 728.819+/-0.096 χ^2/NDF:8300284.2/53

All: 732.284+/-0.069 χ^2/NDF: 15102299.7/99

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2264.697+/-804.947 χ^2/NDF: 21.6/22

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2586.235+/-744.515 χ^2/NDF: 17.1/28

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

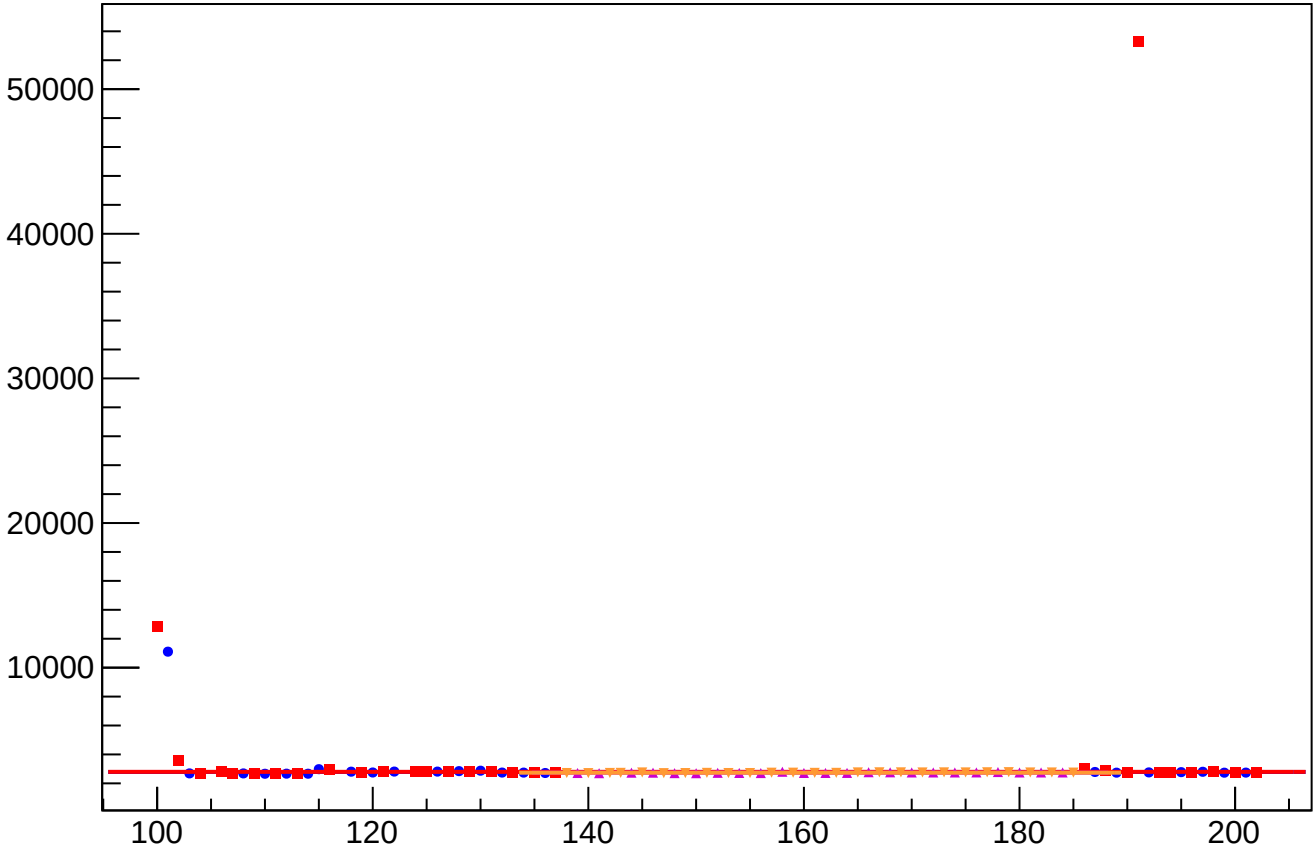
Right: 2437.988+/-546.569 χ^2/NDF: 38.8/51

In: 2352.809+/-500.824 χ^2/NDF:52.9/45

Out: 2568.888+/-477.261 χ^2/NDF:48.7/53

All: 2466.051+/-345.504 χ^2/NDF: 101.8/99

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2786.235+/-0.569 χ^2/NDF: 748394.4/22

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.826+/-0.526 χ^2/NDF: 478899.9/28

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

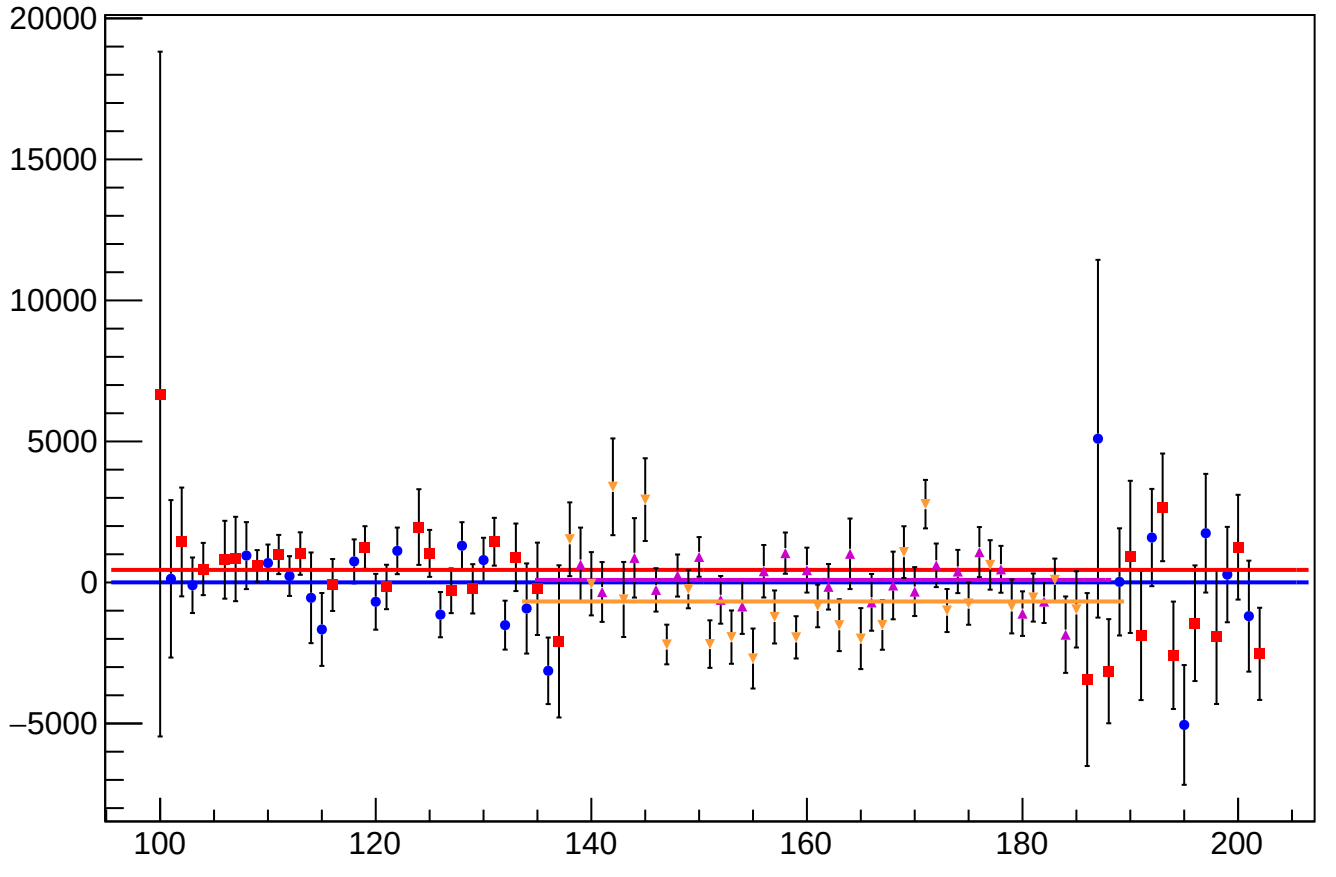
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2791.404+/-0.386 χ^2/NDF: 1227447.3/51

In: 2757.814+/-0.354 χ^2/NDF:755824.5/45

Out: 2761.479+/-0.337 χ^2/NDF:488443.5/53

All: 2759.735+/-0.244 χ^2/NDF: 1244324.1/99



Right In: 3.958+/-223.385 χ^2/NDF: 31.0/22

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 446.169+/-204.945 χ^2/NDF: 25.4/28

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

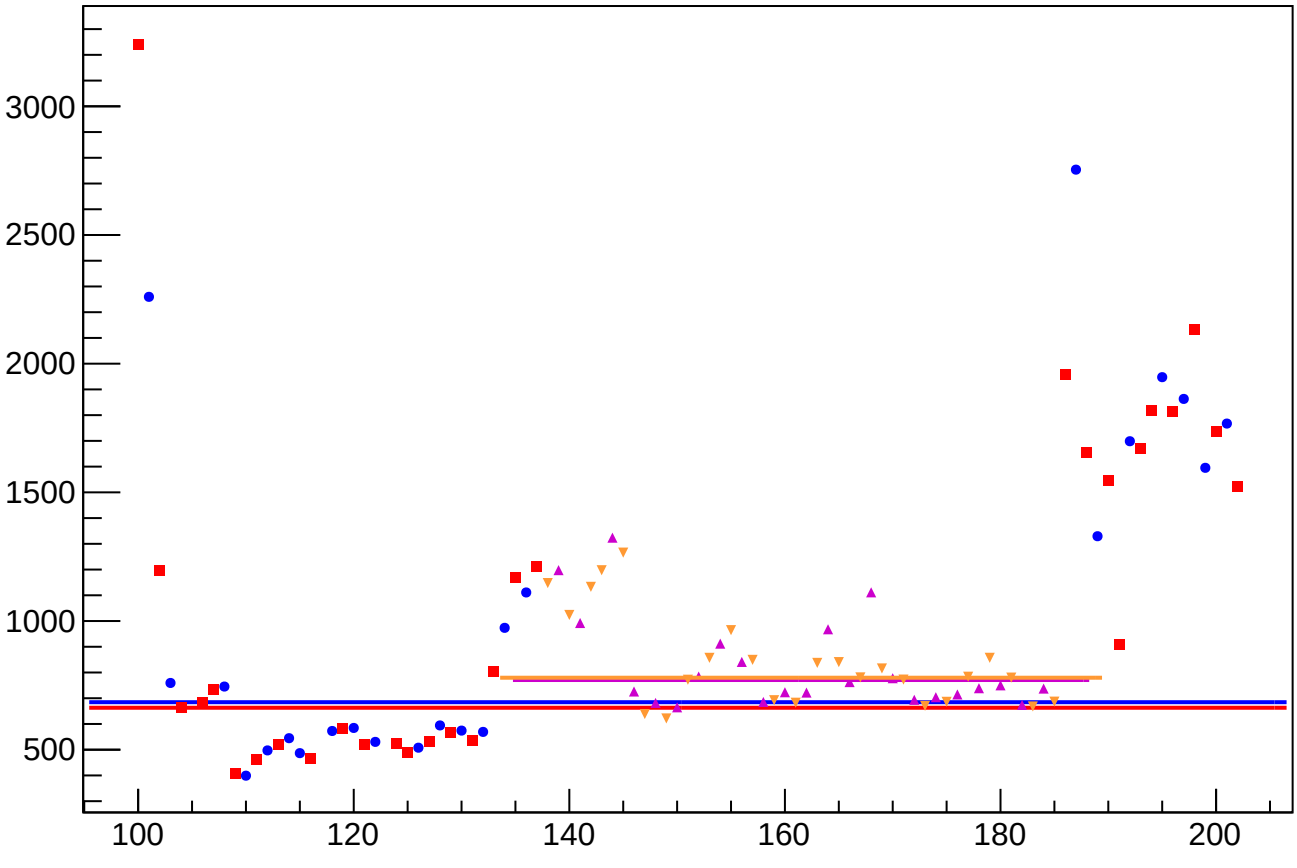
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 244.066+/-151.017 χ^2/NDF: 58.6/51

In: 55.122+/-141.790 χ^2/NDF:45.9/45

Out: -182.226+/-135.763 χ^2/NDF:100.6/53

All: -68.704+/-98.060 χ^2/NDF: 147.9/99



Right In: 684.573+/-0.158 χ^2/NDF: 5544143.4/22

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 663.036+/-0.145 χ^2/NDF: 6690168.8/28

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

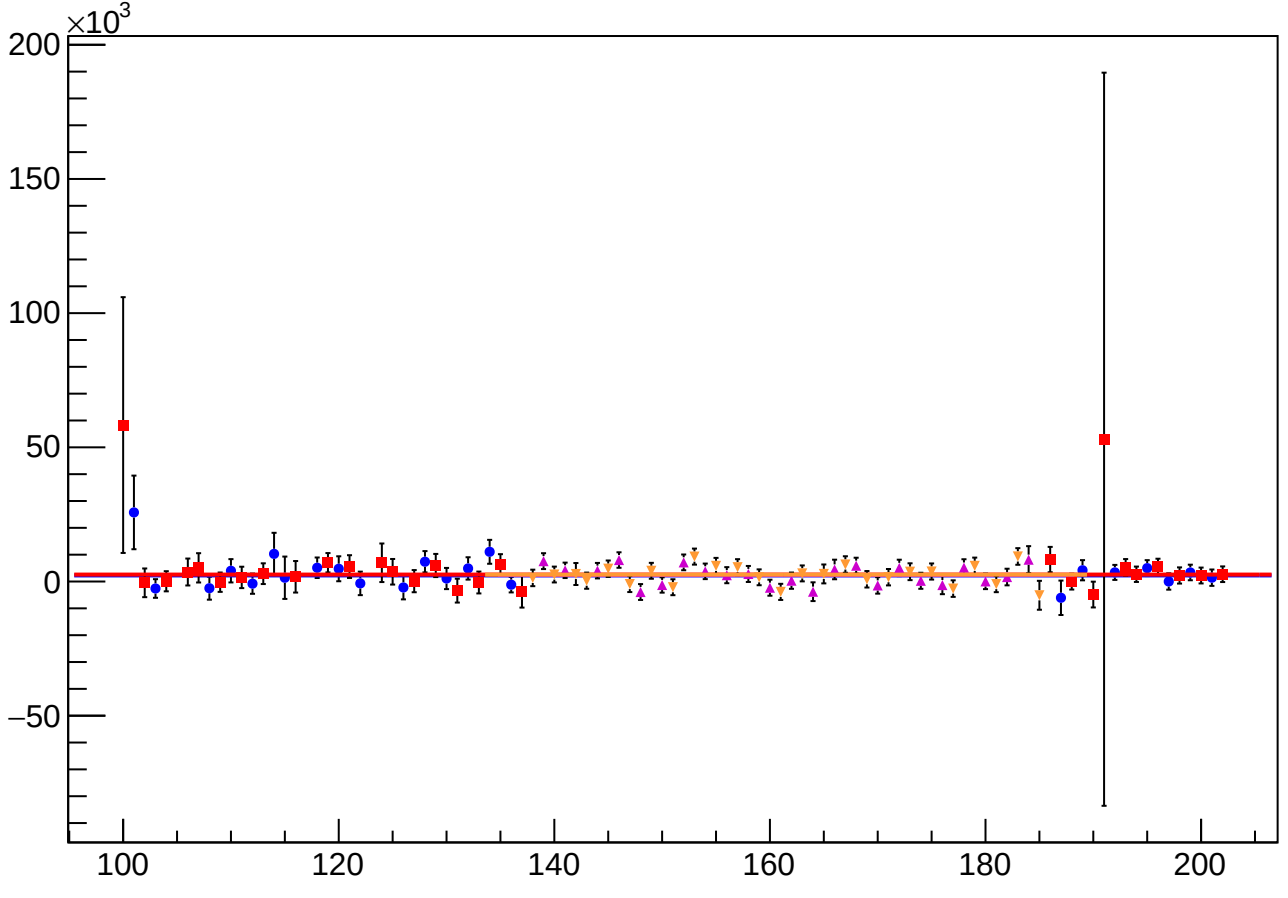
Right: 672.879+/-0.107 χ^2/NDF: 12244406.5/51

In: 736.060+/-0.100 χ^2/NDF:6798364.4/45

Out: 728.513+/-0.096 χ^2/NDF:8297706.6/53

All: 732.122+/-0.069 χ^2/NDF: 15099026.9/99

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2264.697+/-804.947 χ^2/NDF: 21.6/22

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2586.235+/-744.515 χ^2/NDF: 17.1/28

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

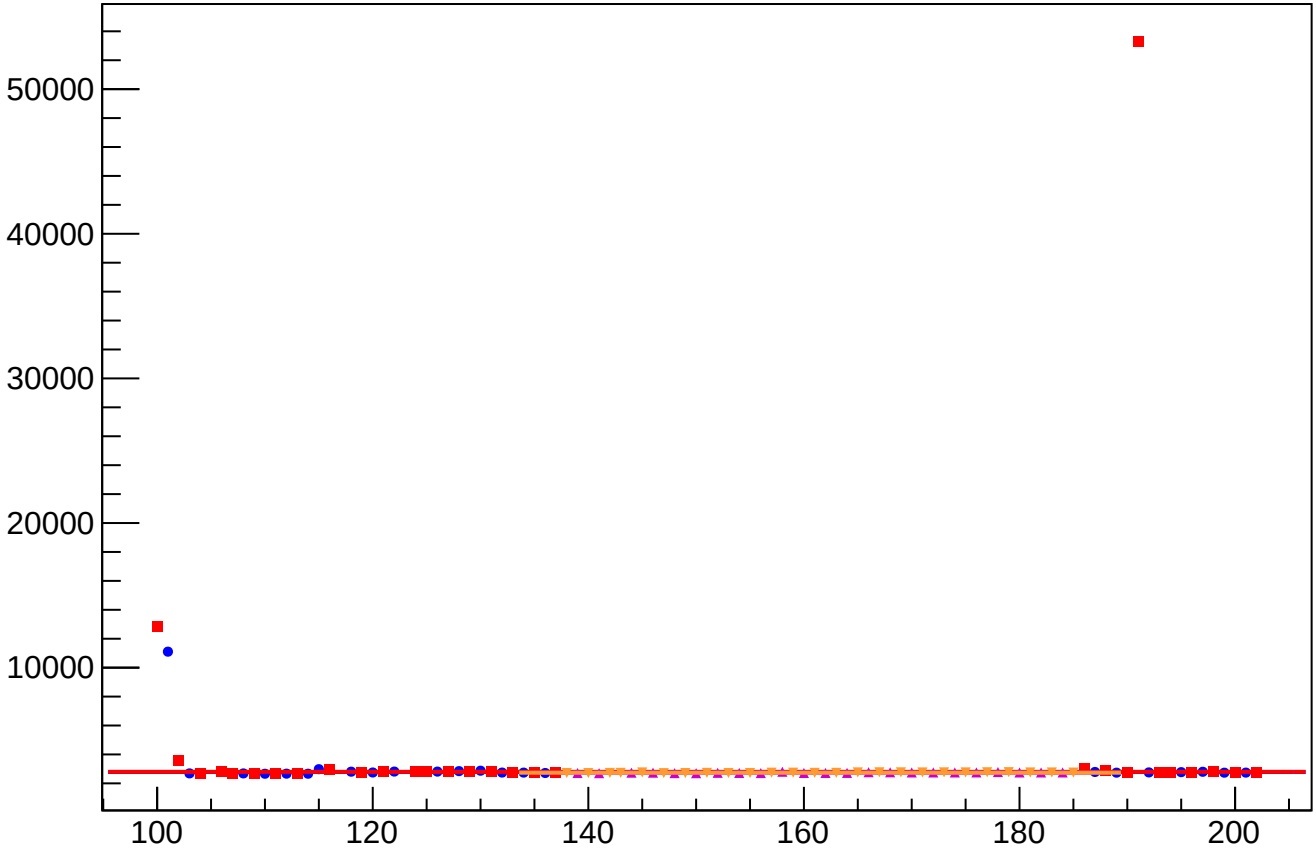
Right: 2437.988+/-546.569 χ^2/NDF: 38.8/51

In: 2352.809+/-500.824 χ^2/NDF:52.9/45

Out: 2568.888+/-477.261 χ^2/NDF:48.7/53

All: 2466.051+/-345.504 χ^2/NDF: 101.8/99

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2786.235+/-0.569 χ^2/NDF: 748394.4/22

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.826+/-0.526 χ^2/NDF: 478899.9/28

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

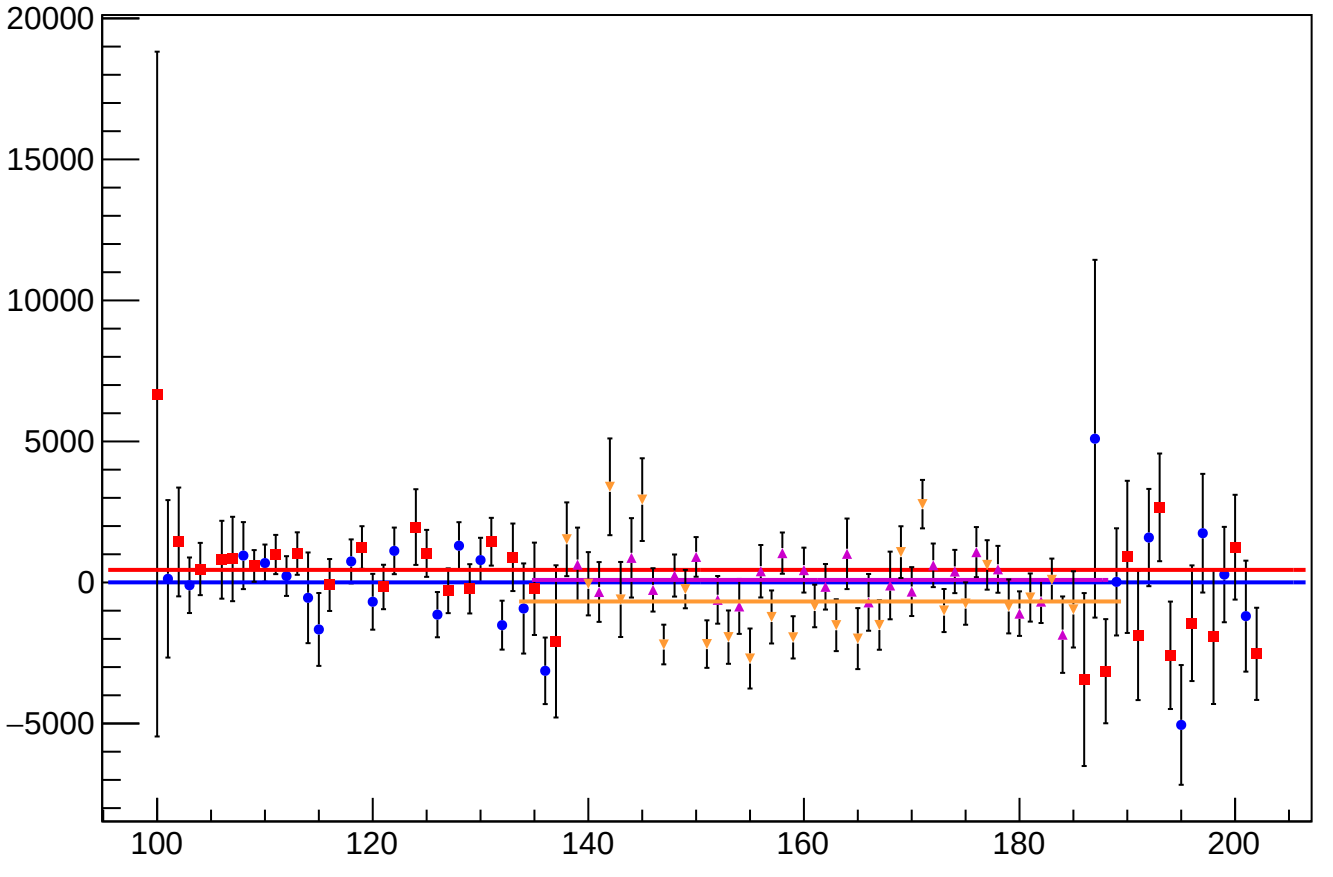
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2791.404+/-0.386 χ^2/NDF: 1227447.3/51

In: 2757.814+/-0.354 χ^2/NDF:755824.5/45

Out: 2761.479+/-0.337 χ^2/NDF:488443.5/53

All: 2759.735+/-0.244 χ^2/NDF: 1244324.1/99



Right In: 3.958+/-223.385 χ^2/NDF: 31.0/22

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 446.169+/-204.945 χ^2/NDF: 25.4/28

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

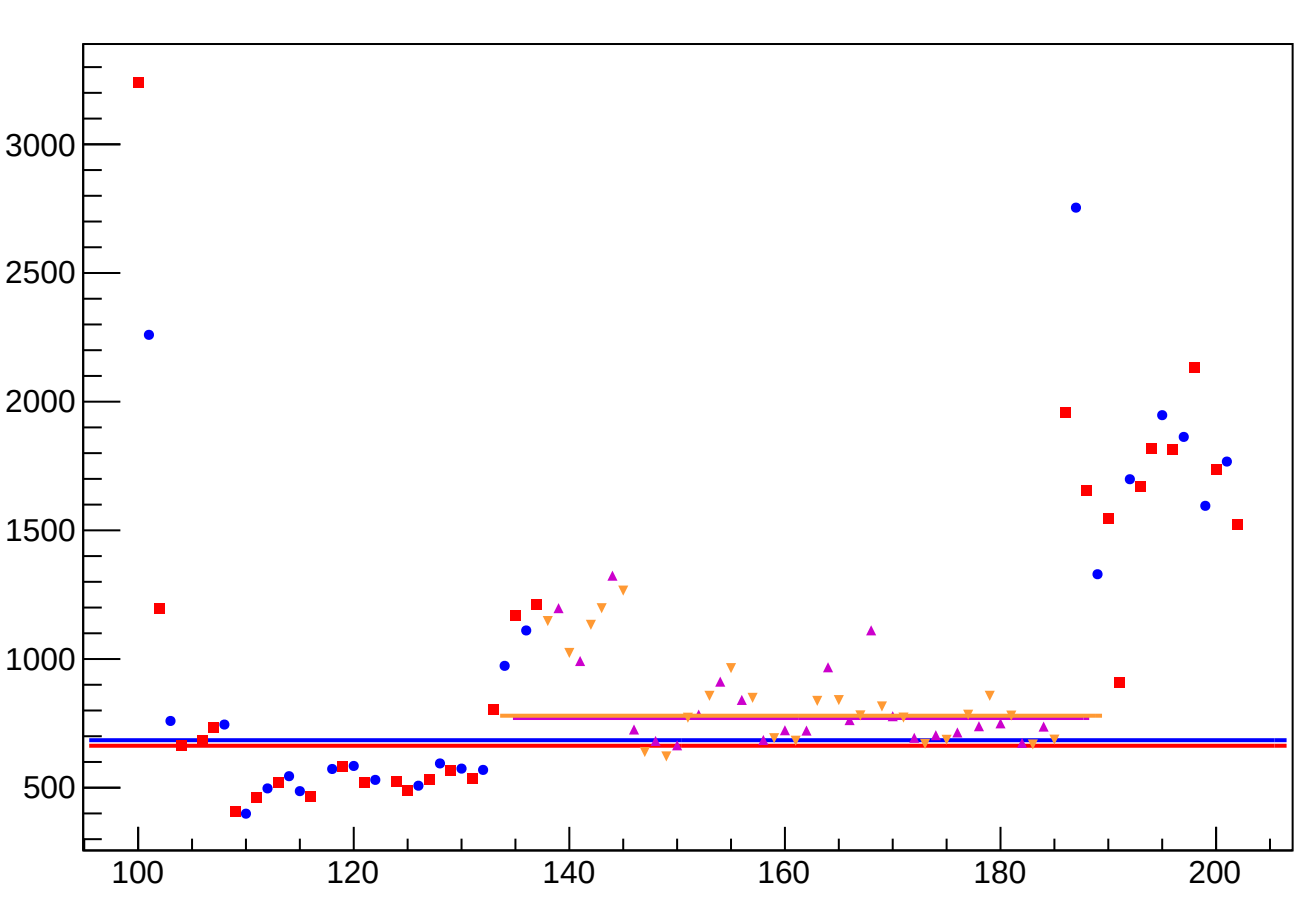
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 244.066+/-151.017 χ^2/NDF: 58.6/51

In: 55.122+/-141.790 χ^2/NDF:45.9/45

Out: -182.226+/-135.763 χ^2/NDF:100.6/53

All: -68.704+/-98.060 χ^2/NDF: 147.9/99



Right In: 684.573+/-0.158 χ^2/NDF: 5544143.4/22

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 663.036+/-0.145 χ^2/NDF: 6690168.8/28

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

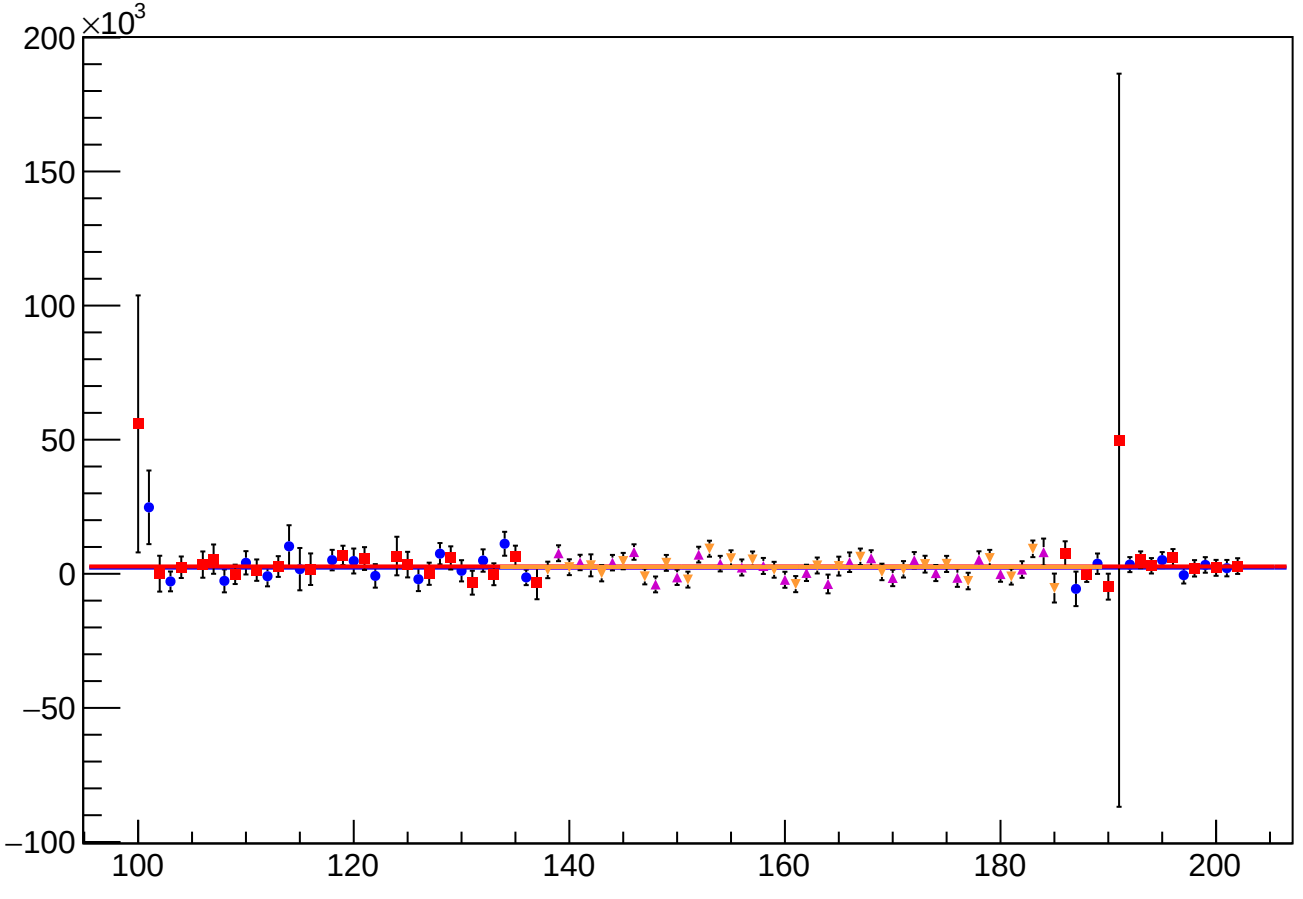
Right: 672.879+/-0.107 χ^2/NDF: 12244406.5/51

In: 736.060+/-0.100 χ^2/NDF:6798364.4/45

Out: 728.513+/-0.096 χ^2/NDF:8297706.6/53

All: 732.122+/-0.069 χ^2/NDF: 15099026.9/99

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2289.777+/-810.318 χ^2/NDF: 21.6/22

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2744.470+/-751.060 χ^2/NDF: 16.3/28

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

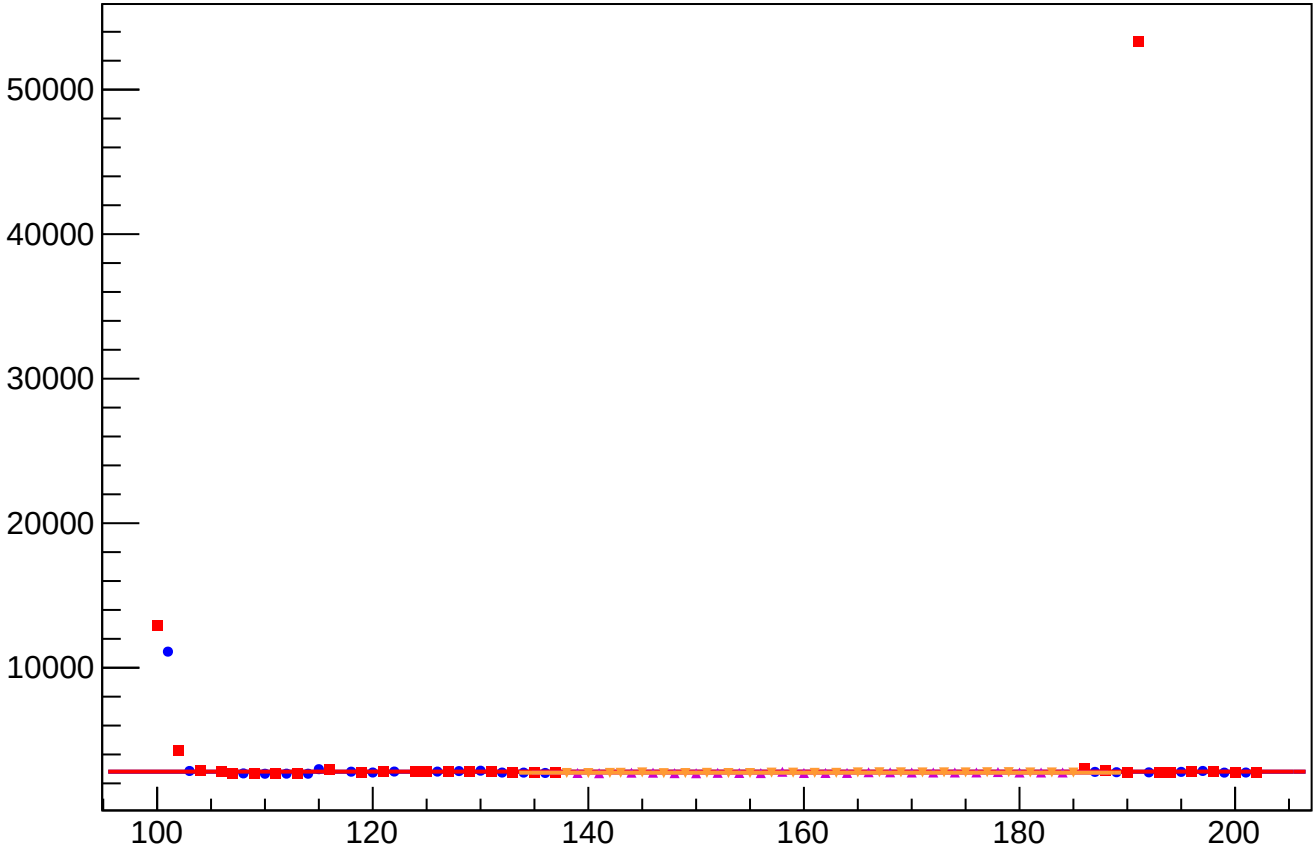
Right: 2534.356+/-550.839 χ^2/NDF: 38.0/51

In: 2361.872+/-502.283 χ^2/NDF:53.4/45

Out: 2626.213+/-479.157 χ^2/NDF:48.2/53

All: 2500.268+/-346.703 χ^2/NDF: 101.8/99

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.674+/-0.573 χ^2/NDF: 747251.3/22

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.834+/-0.531 χ^2/NDF: 532200.3/28

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

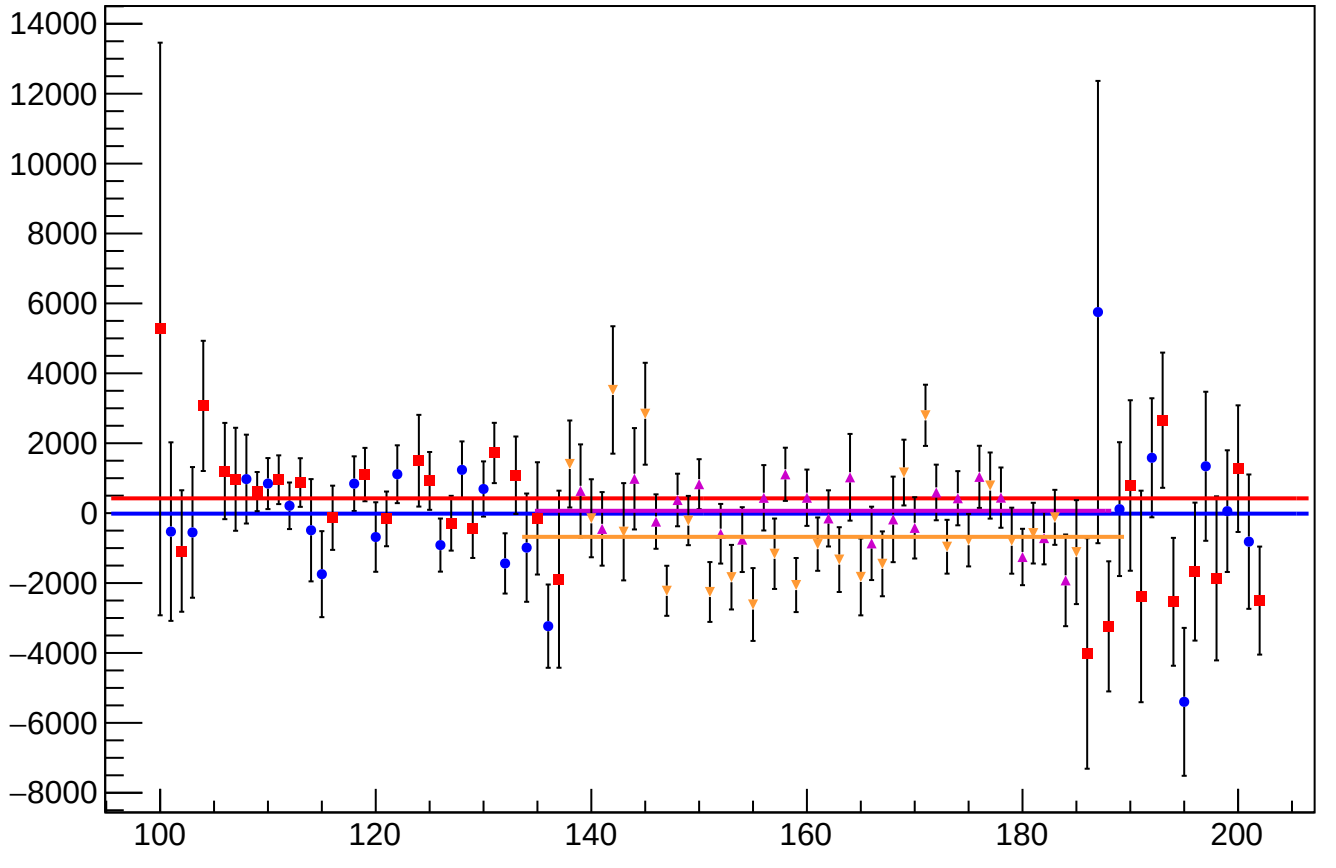
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2809.601+/-0.390 χ^2/NDF: 1279589.1/51

In: 2765.706+/-0.355 χ^2/NDF:758132.2/45

Out: 2769.639+/-0.339 χ^2/NDF:546201.4/53

All: 2767.765+/-0.245 χ^2/NDF: 1304397.8/99



Right In: -14.366+/-226.922 χ^2/NDF: 31.5/22

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 423.058+/-205.830 χ^2/NDF: 29.3/28

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

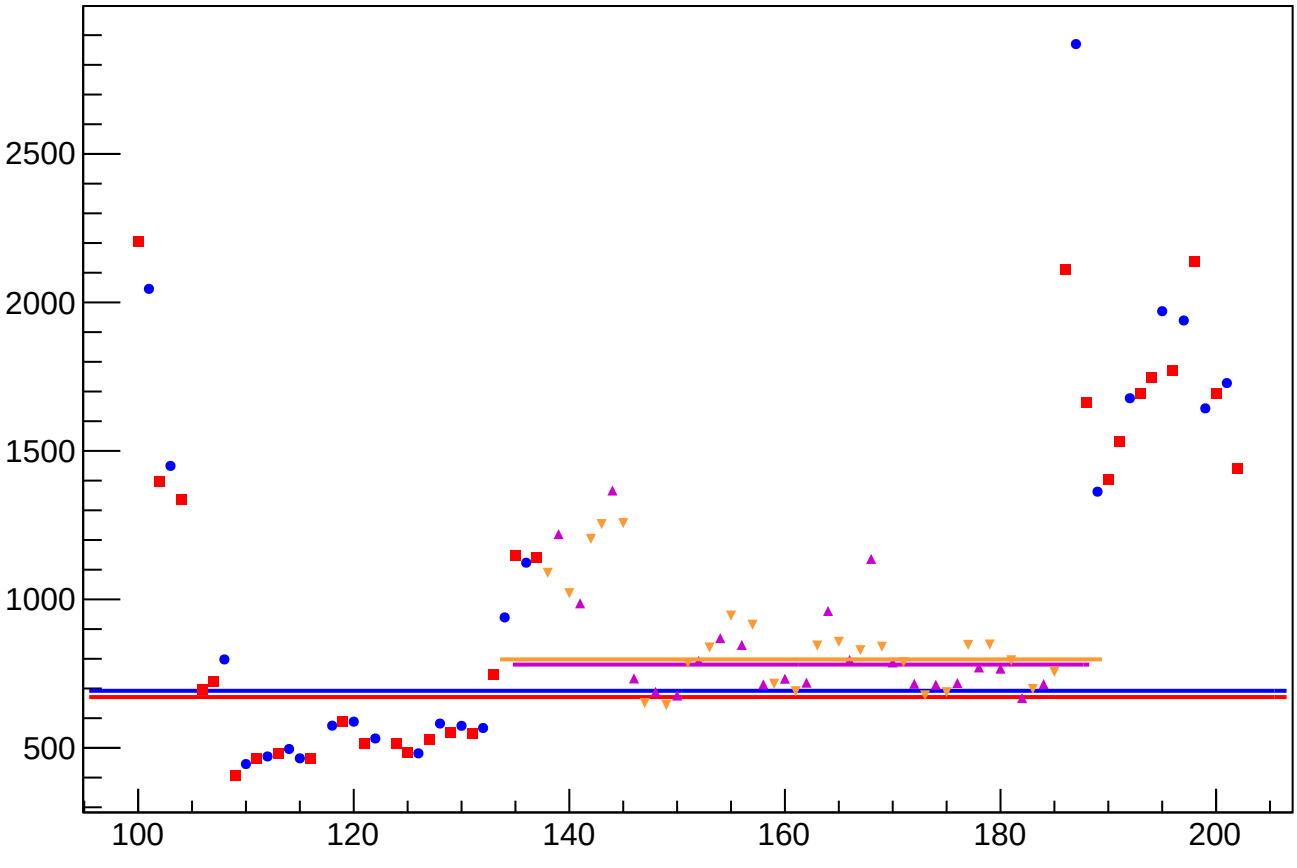
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

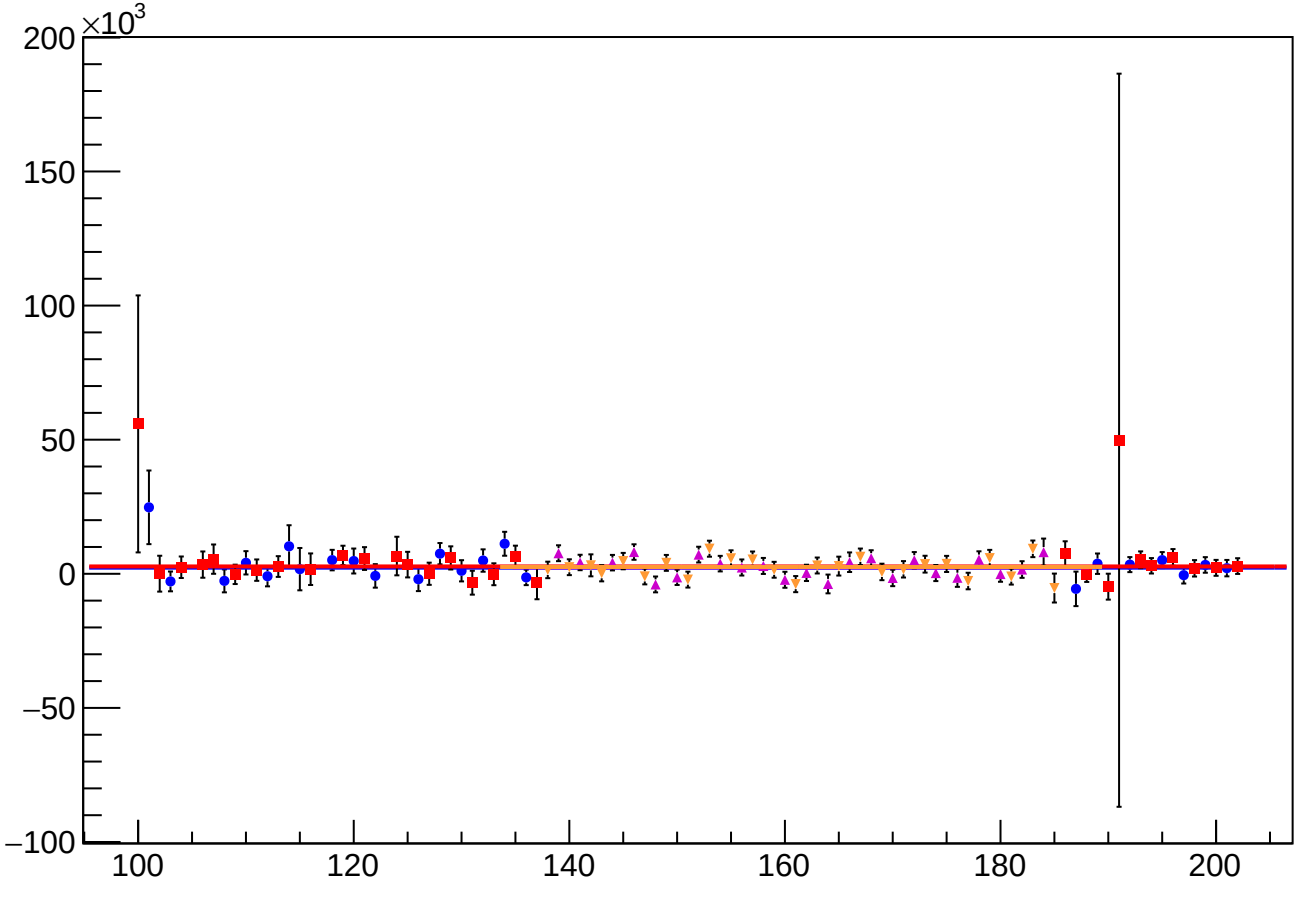
Right: 225.616+/-152.456 χ^2/NDF: 62.8/51

In: 34.515+/-143.590 χ^2/NDF:47.4/45

Out: -186.099+/-137.593 χ^2/NDF:101.3/53

All: -80.495+/-99.345 χ^2/NDF: 150.0/99


asym_atr1_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 692.215+/-0.160 χ²/NDF: 5912867.3/22
Left Out: 798.091+/-0.131 χ²/NDF:1168352.1/24
Right Out: 671.091+/-0.146 χ²/NDF: 7253775.7/28
Left In: 780.525+/-0.131 χ²/NDF:1064827.5/22
Left: 789.329+/-0.093 χ²/NDF: 2242174.0/47
Right: 680.626+/-0.108 χ²/NDF: 13176151.2/51
In: 745.166+/-0.102 χ²/NDF:7159313.7/45
Out: 741.339+/-0.097 χ²/NDF:8843294.5/53
All: 743.171+/-0.070 χ²/NDF: 16003348.7/99



Right In: 2289.777+/-810.318 χ^2/NDF: 21.6/22

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2744.468+/-751.060 χ^2/NDF: 16.3/28

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

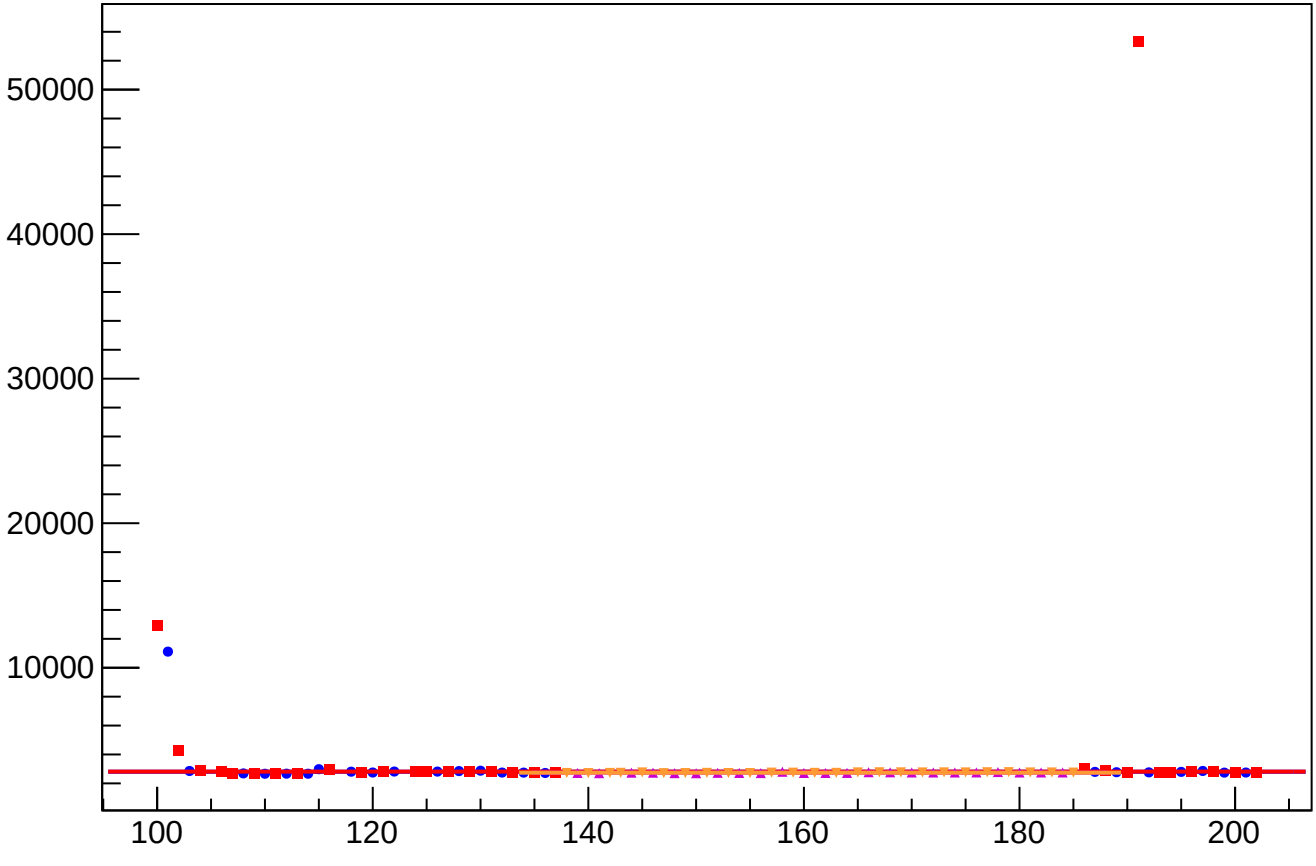
Right: 2534.354+/-550.839 χ^2/NDF: 38.0/51

In: 2361.873+/-502.283 χ^2/NDF:53.4/45

Out: 2626.212+/-479.157 χ^2/NDF:48.2/53

All: 2500.267+/-346.703 χ^2/NDF: 101.8/99

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.674+/-0.573 χ^2/NDF: 747251.3/22

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.834+/-0.531 χ^2/NDF: 532200.1/28

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

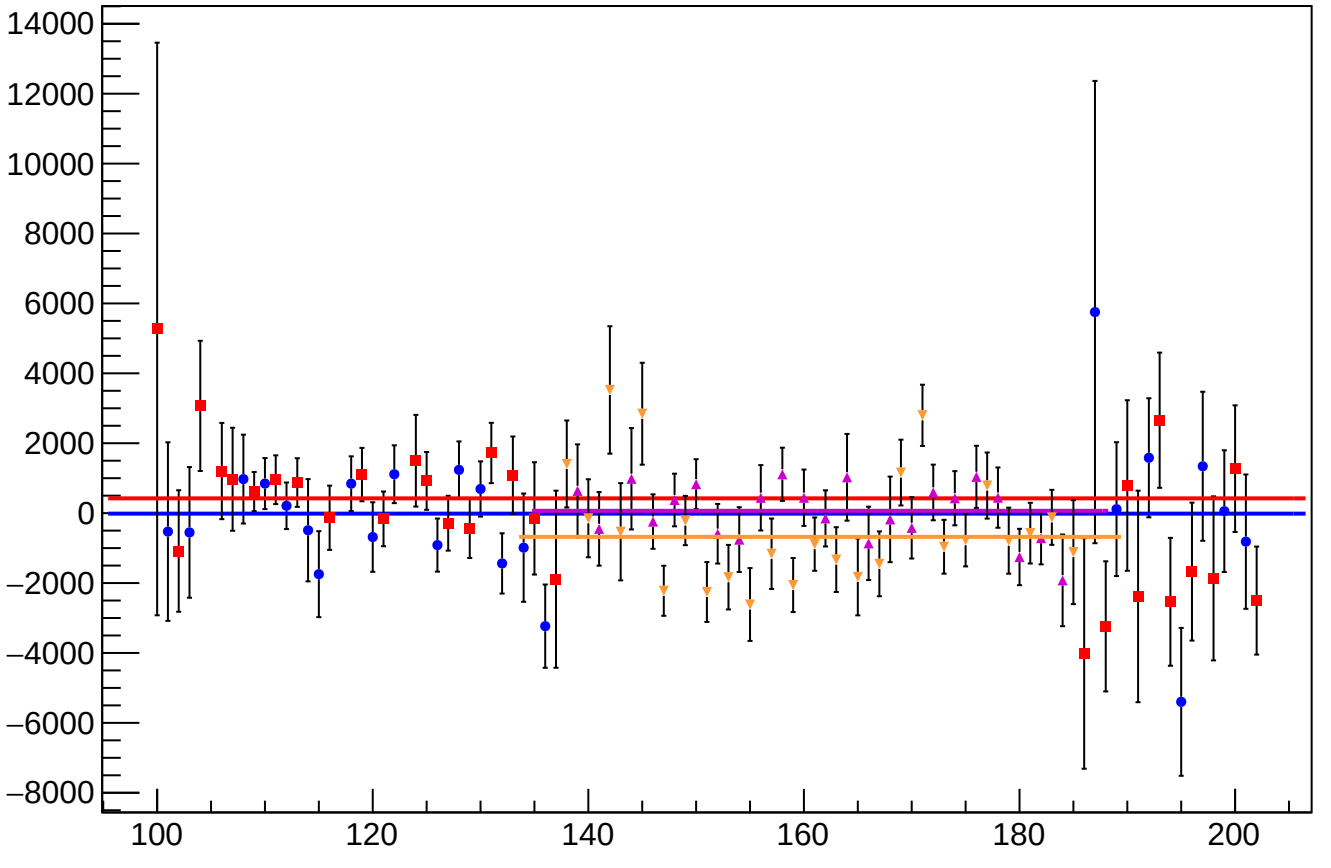
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2809.601+/-0.390 χ^2/NDF: 1279588.9/51

In: 2765.706+/-0.355 χ^2/NDF:758132.2/45

Out: 2769.639+/-0.339 χ^2/NDF:546201.2/53

All: 2767.765+/-0.245 χ^2/NDF: 1304397.5/99



Right In: -14.366+/-226.923 χ^2/NDF: 31.5/22

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 423.058+/-205.830 χ^2/NDF: 29.3/28

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

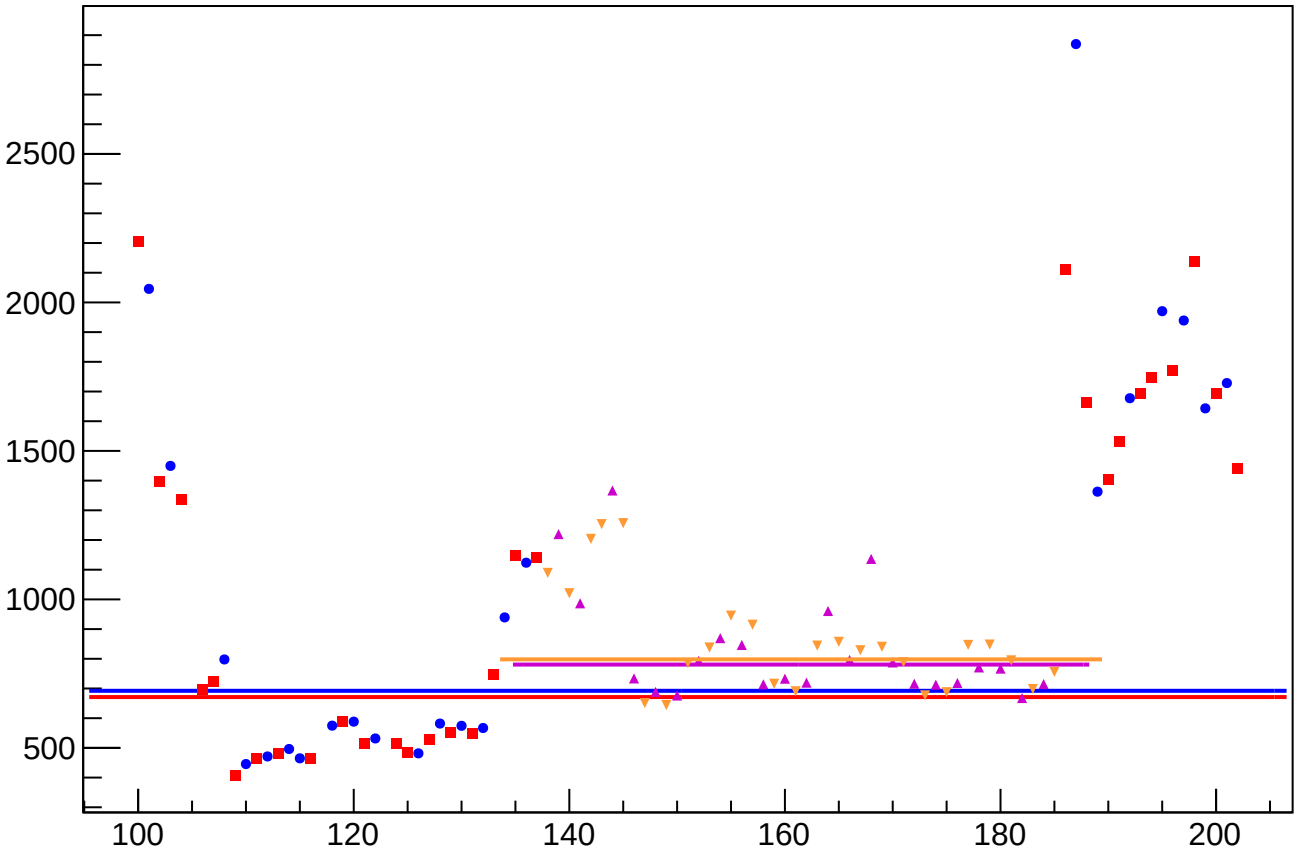
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 225.616+/-152.457 χ^2/NDF: 62.8/51

In: 34.515+/-143.590 χ^2/NDF:47.4/45

Out: -186.100+/-137.593 χ^2/NDF:101.3/53

All: -80.495+/-99.345 χ^2/NDF: 150.0/99



Right In: 692.215+/-0.160 χ^2/NDF: 5912863.5/22

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 671.091+/-0.146 χ^2/NDF: 7253778.1/28

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

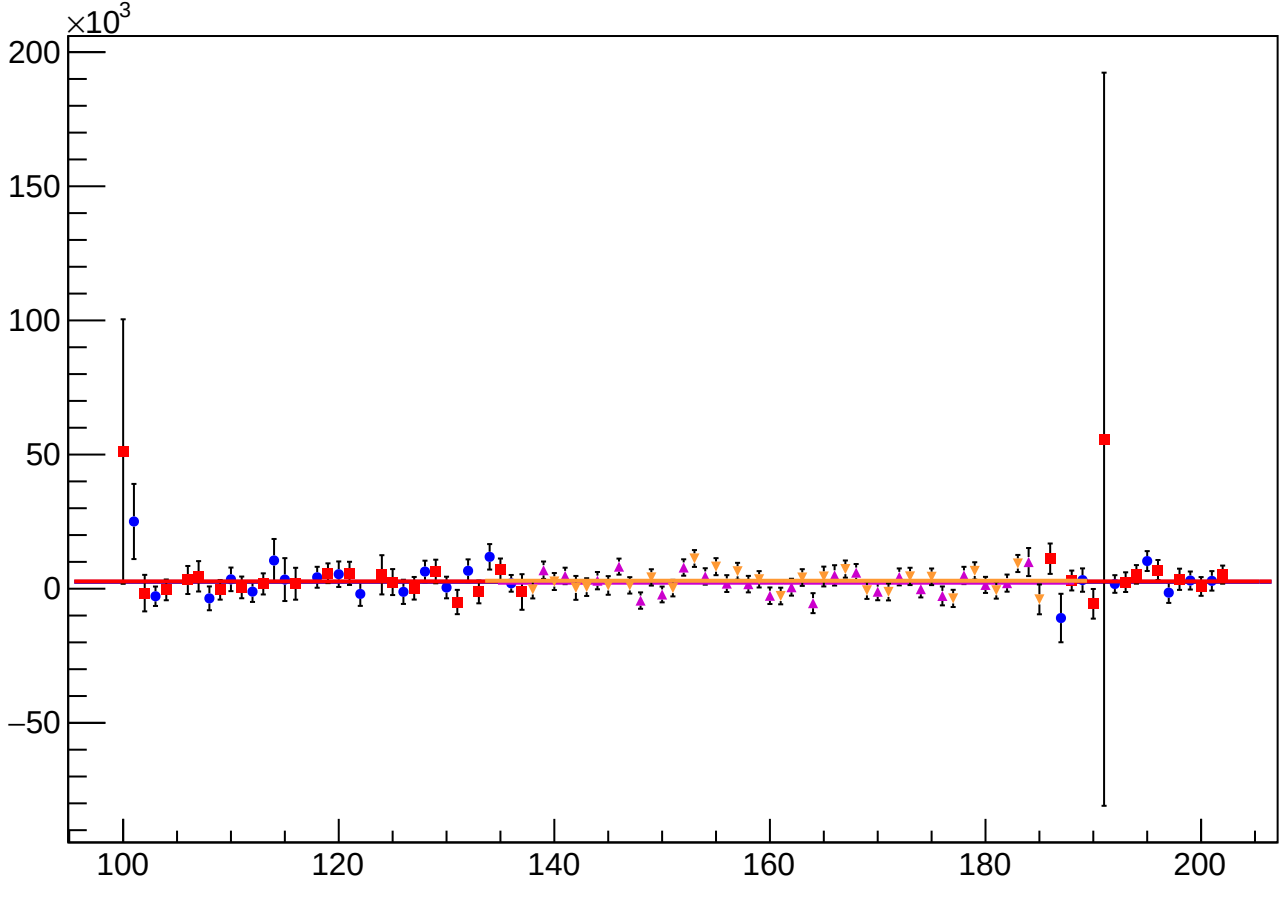
Right: 680.626+/-0.108 χ^2/NDF: 13176150.1/51

In: 745.166+/-0.102 χ^2/NDF:7159310.5/45

Out: 741.339+/-0.097 χ^2/NDF:8843298.3/53

All: 743.171+/-0.070 χ^2/NDF: 16003349.4/99

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2557.484+/-883.752 χ^2/NDF: 24.7/22

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2722.578+/-826.408 χ^2/NDF: 18.2/28

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

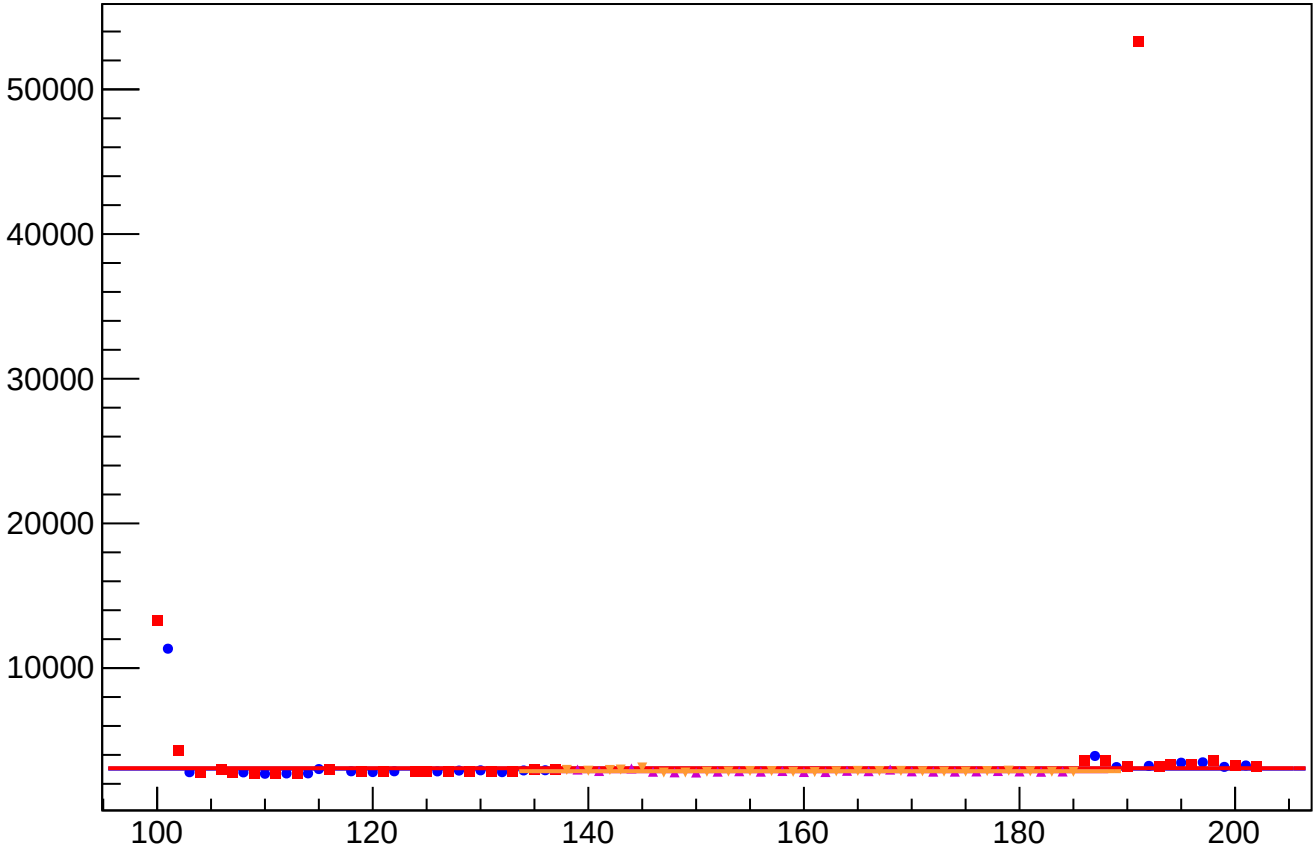
Right: 2645.561+/-603.614 χ^2/NDF: 42.9/51

In: 2354.358+/-534.075 χ^2/NDF:58.6/45

Out: 2874.438+/-512.494 χ^2/NDF:54.0/53

All: 2625.118+/-369.782 χ^2/NDF: 113.0/99

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3048.869+/-0.625 χ^2/NDF: 866095.8/22

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3079.742+/-0.584 χ^2/NDF: 713878.5/28

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

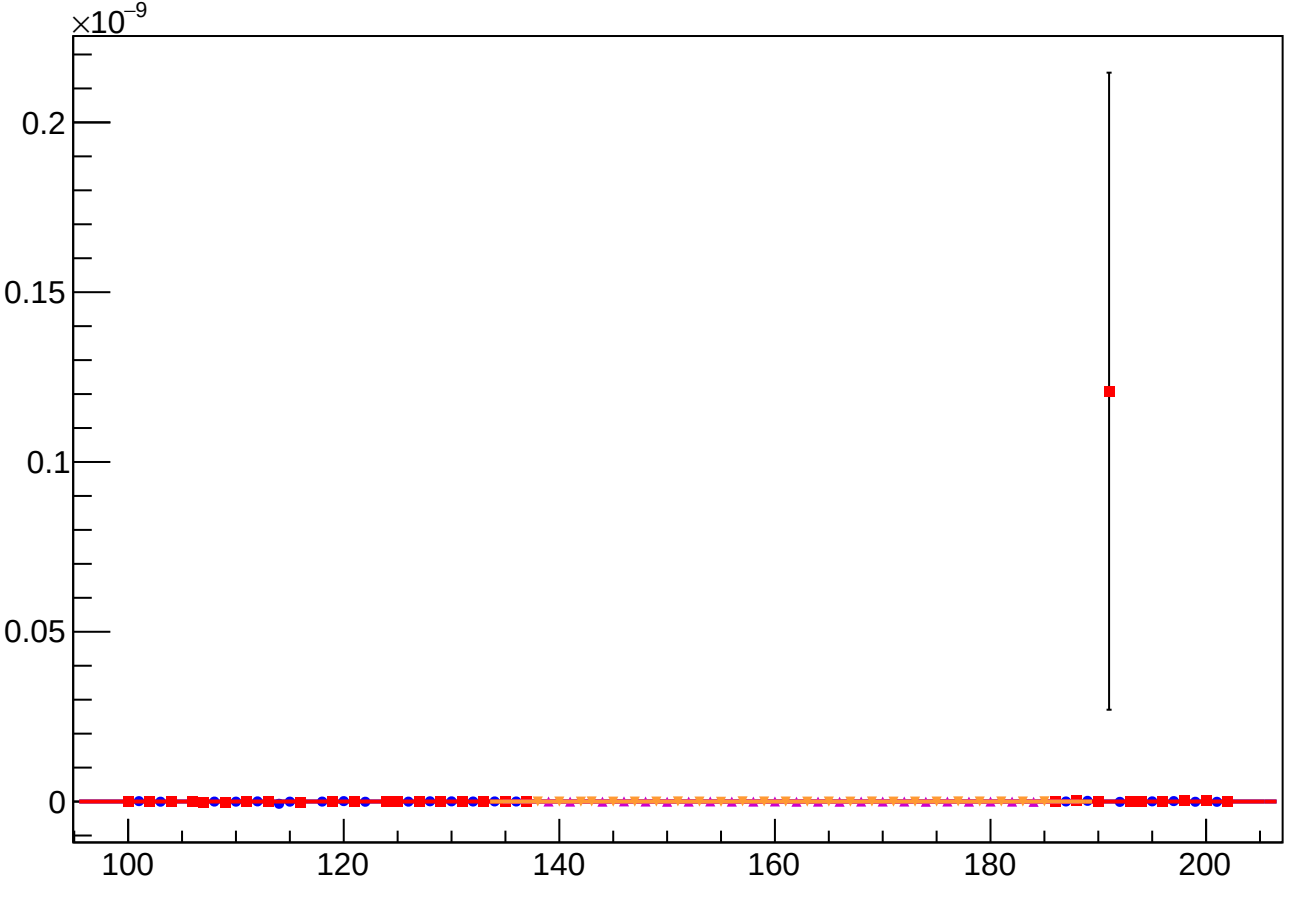
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3065.340+/-0.427 χ^2/NDF: 1581276.5/51

In: 2935.422+/-0.378 χ^2/NDF:935702.2/45

Out: 2953.699+/-0.362 χ^2/NDF:811265.9/53

All: 2944.937+/-0.261 χ^2/NDF: 1748187.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.4/28

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

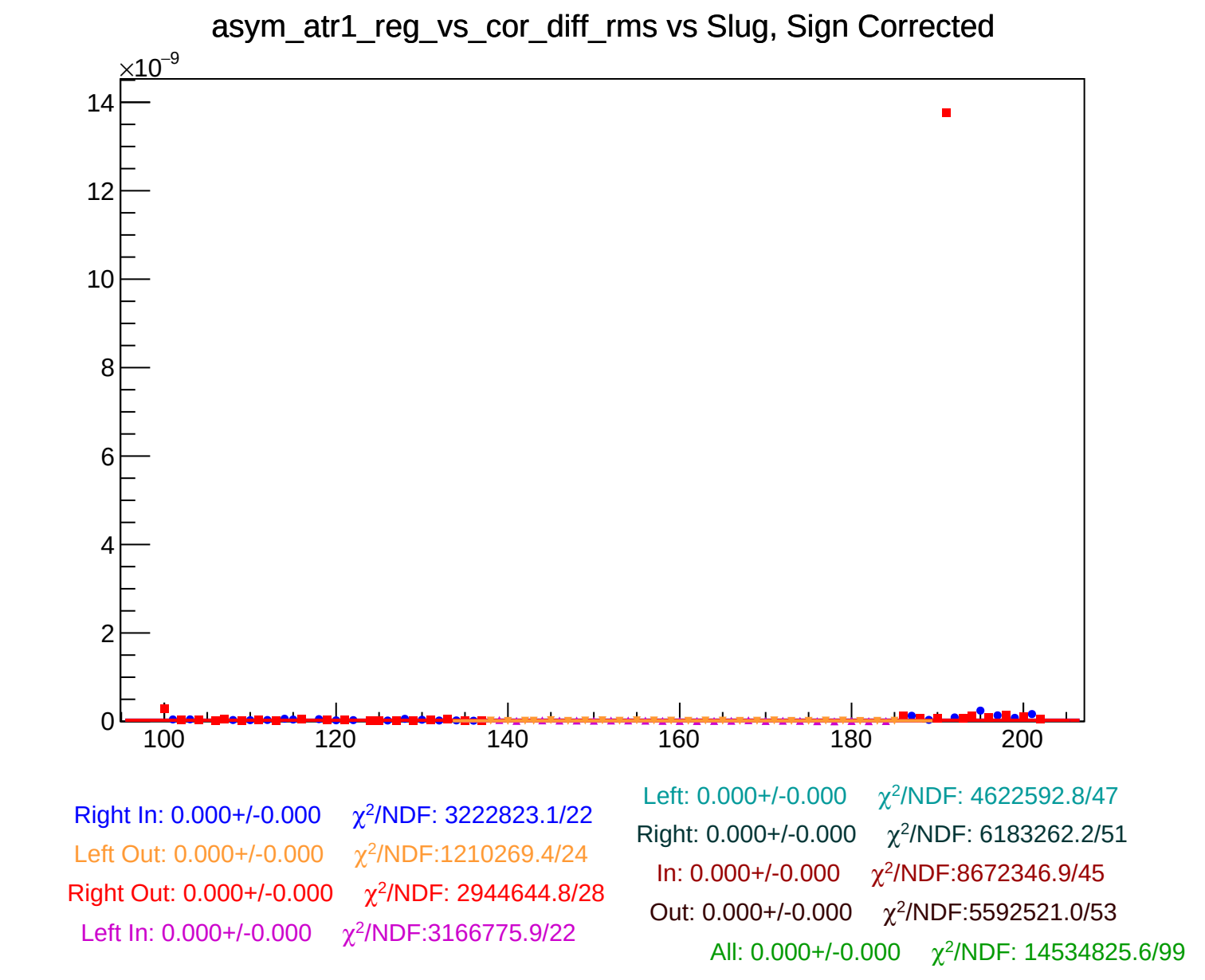
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

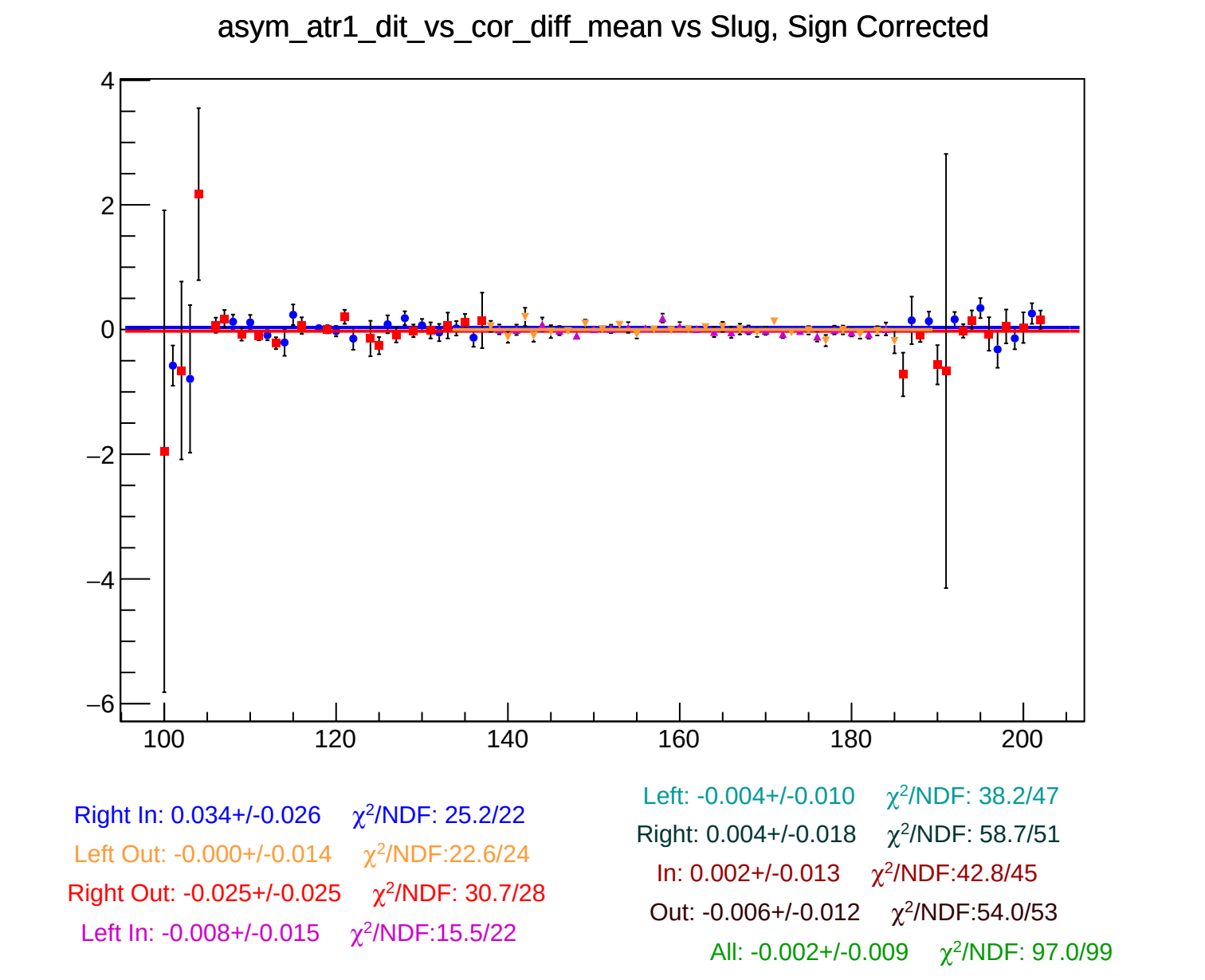
Right: 0.000+/-0.000 χ^2/NDF: 49.6/51

In: -0.000+/-0.000 χ^2/NDF:45.6/45

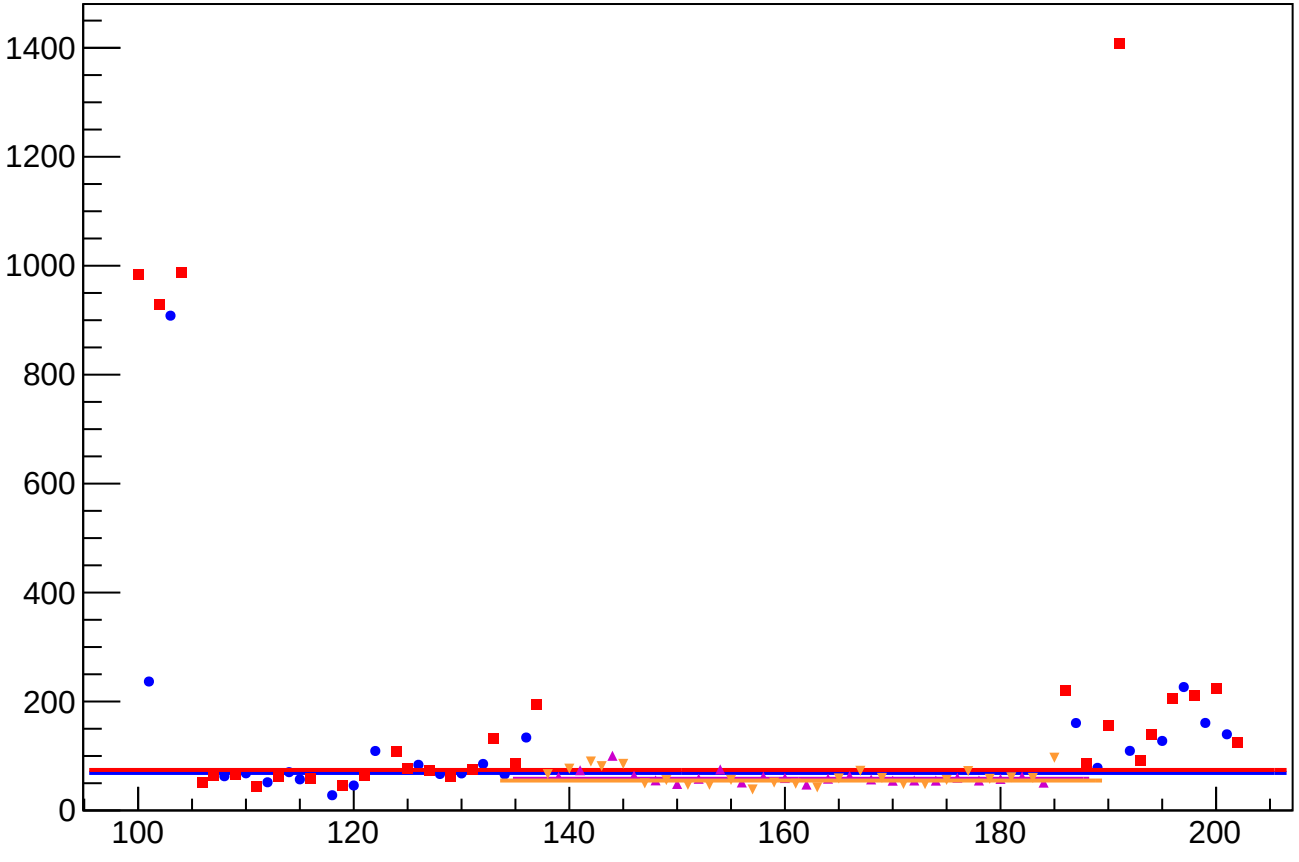
Out: 0.000+/-0.000 χ^2/NDF:49.1/53

All: -0.000+/-0.000 χ^2/NDF: 95.4/99


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
Right In: 0.000+/-0.000 χ²/NDF: 3222823.1/22
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2944644.8/28
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: 6183262.2/51
In: 0.000+/-0.000 χ²/NDF:8672346.9/45
Out: 0.000+/-0.000 χ²/NDF:5592521.0/53
All: 0.000+/-0.000 χ²/NDF: 14534825.6/99


asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.034+/-0.026 χ²/NDF: 25.2/22
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.025+/-0.025 χ²/NDF: 30.7/28
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.004+/-0.018 χ²/NDF: 58.7/51
In: 0.002+/-0.013 χ²/NDF:42.8/45
Out: -0.006+/-0.012 χ²/NDF:54.0/53
All: -0.002+/-0.009 χ²/NDF: 97.0/99

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.861+/-0.018 χ^2/NDF: 5666295.4/22

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.343+/-0.018 χ^2/NDF: 6128609.3/28

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

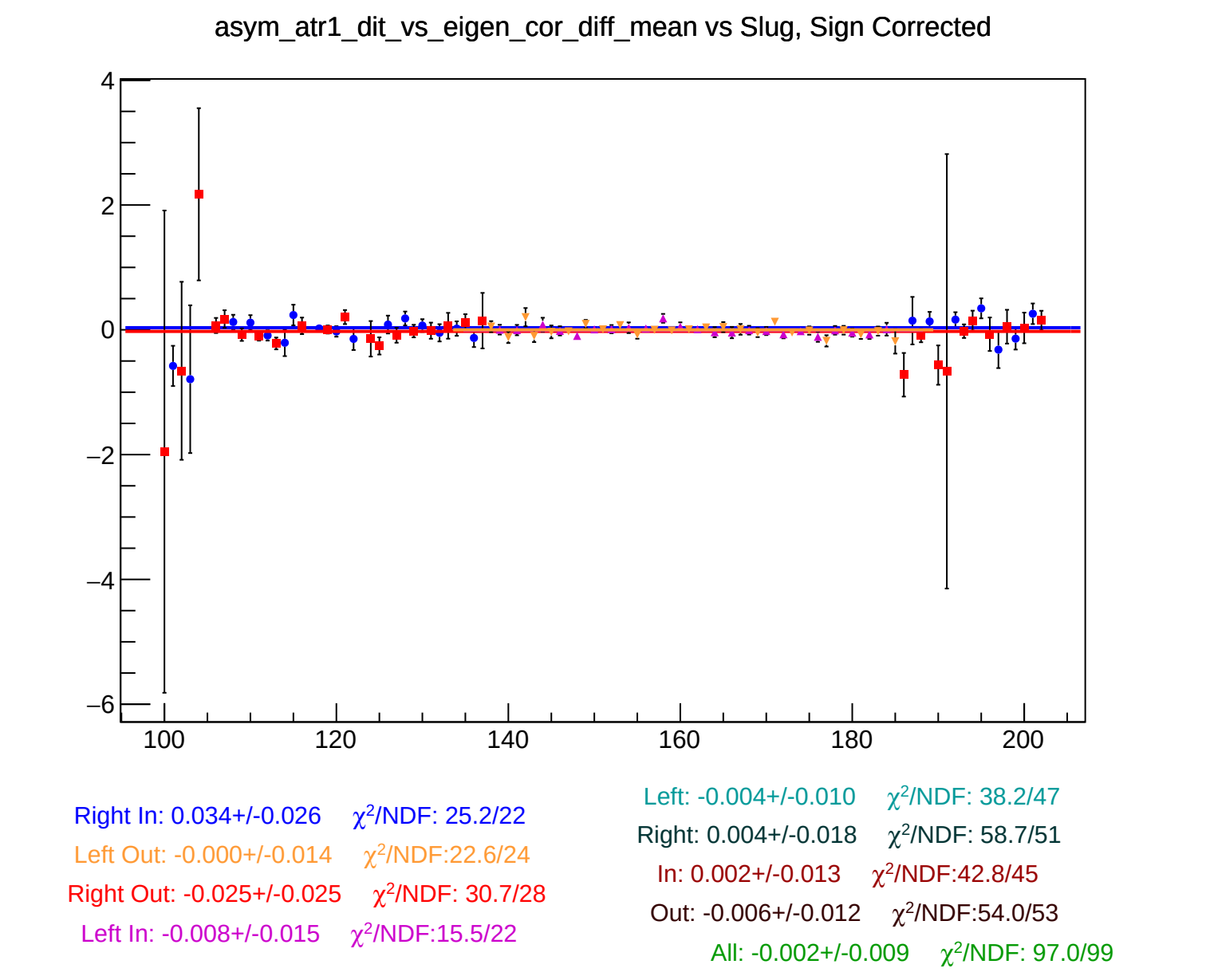
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 71.651+/-0.013 χ^2/NDF: 11841755.6/51

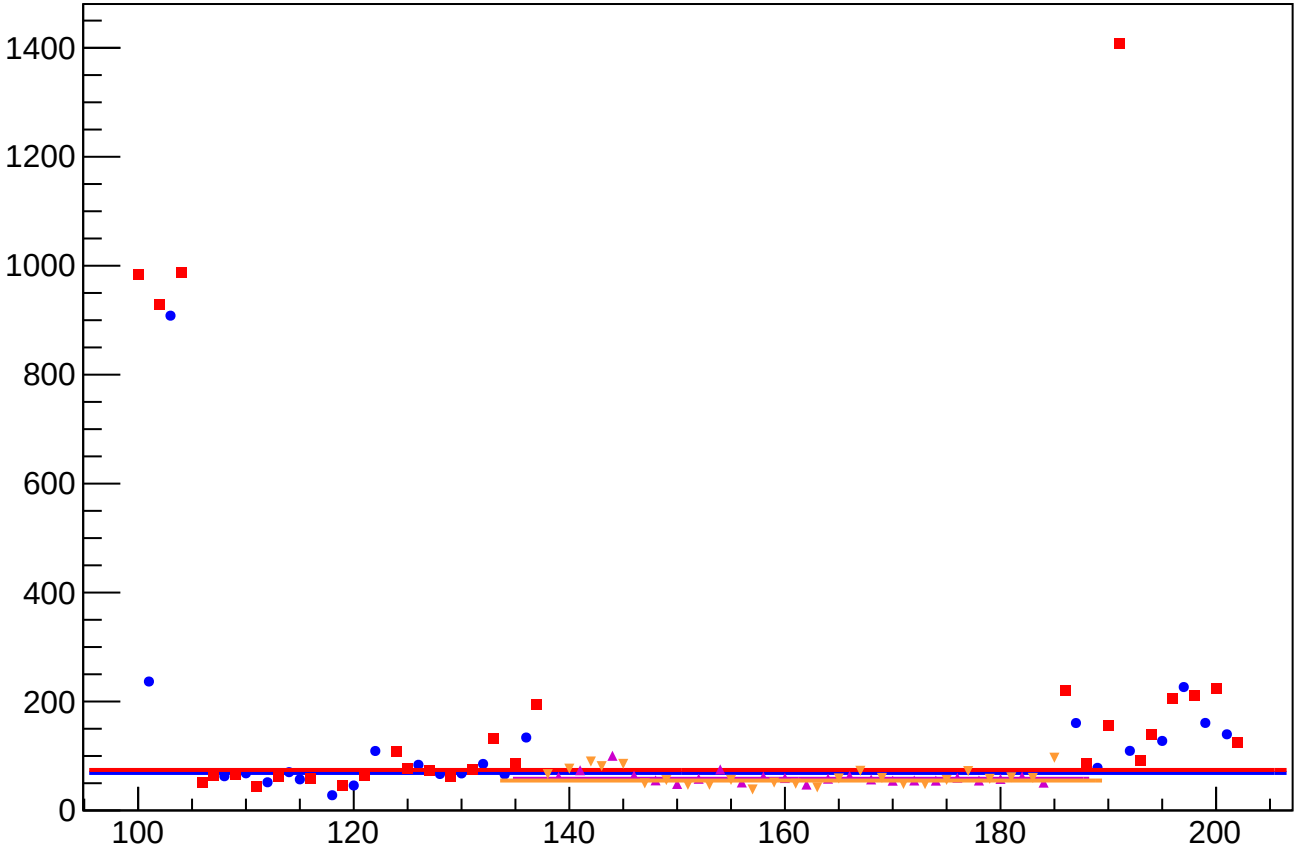
In: 60.841+/-0.009 χ^2/NDF:6587094.6/45

Out: 59.586+/-0.009 χ^2/NDF:8335953.1/53

All: 60.186+/-0.006 χ^2/NDF: 14933033.8/99


asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.034+/-0.026 χ²/NDF: 25.2/22
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.025+/-0.025 χ²/NDF: 30.7/28
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.004+/-0.018 χ²/NDF: 58.7/51
In: 0.002+/-0.013 χ²/NDF:42.8/45
Out: -0.006+/-0.012 χ²/NDF:54.0/53
All: -0.002+/-0.009 χ²/NDF: 97.0/99

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.861+/-0.018 χ^2/NDF: 5666295.4/22

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.343+/-0.018 χ^2/NDF: 6128609.3/28

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

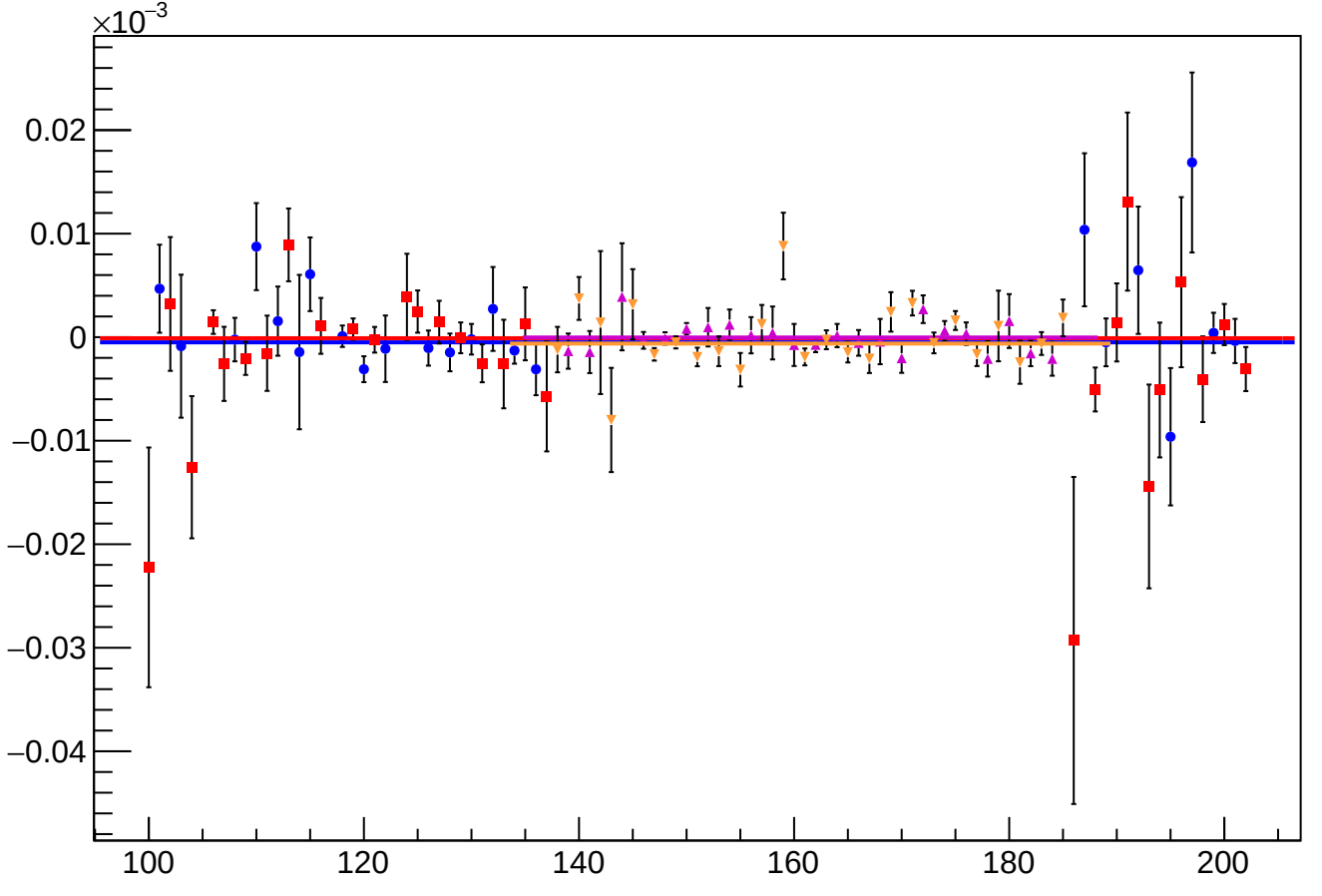
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 71.651+/-0.013 χ^2/NDF: 11841755.6/51

In: 60.841+/-0.009 χ^2/NDF:6587094.6/45

Out: 59.586+/-0.009 χ^2/NDF:8335953.1/53

All: 60.186+/-0.006 χ^2/NDF: 14933033.8/99



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.0/28

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

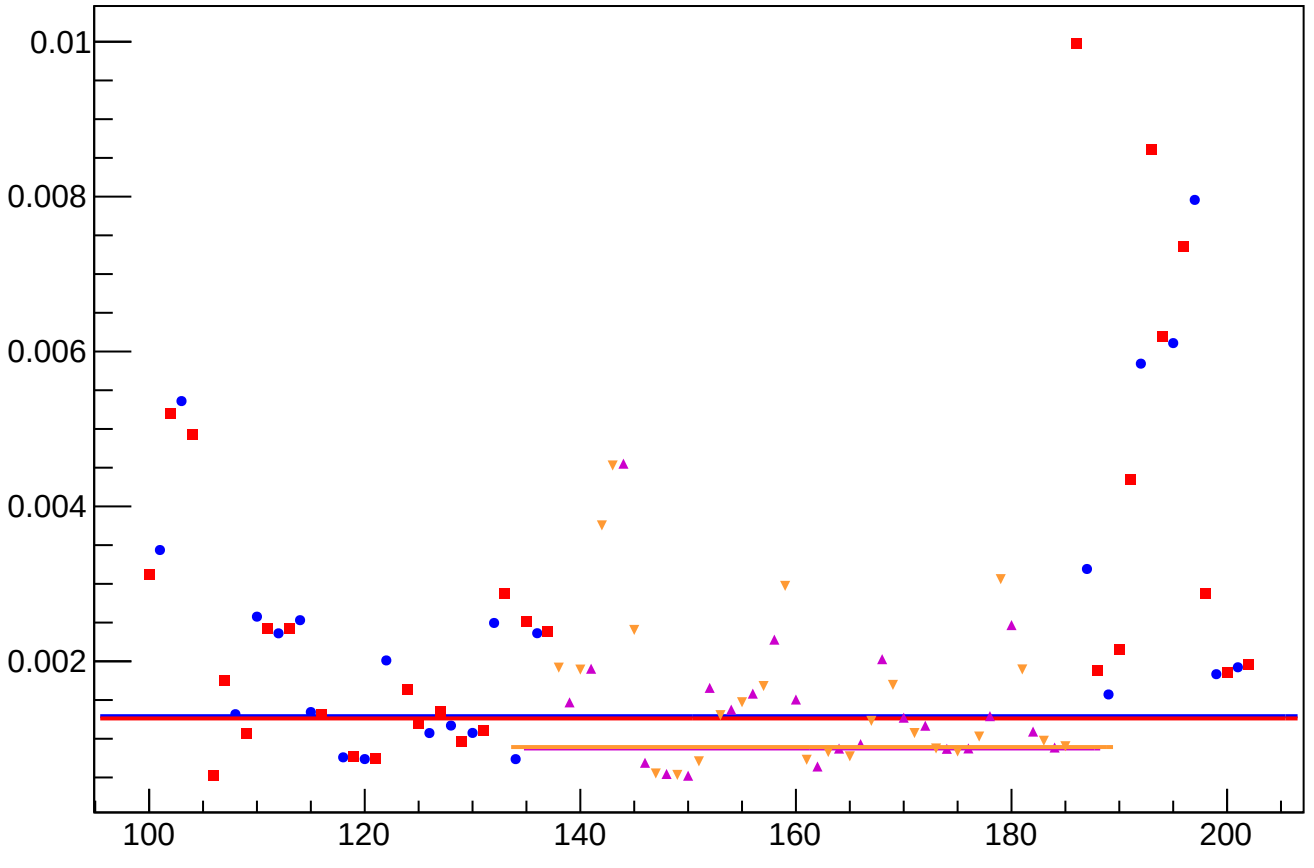
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 70.3/51

In: -0.000+/-0.000 χ^2/NDF:45.9/45

Out: -0.000+/-0.000 χ^2/NDF:96.9/53

All: -0.000+/-0.000 χ^2/NDF: 144.4/99



Right In: 0.001+/-0.000 χ^2/NDF: 7499248.1/22

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9459567.7/28

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

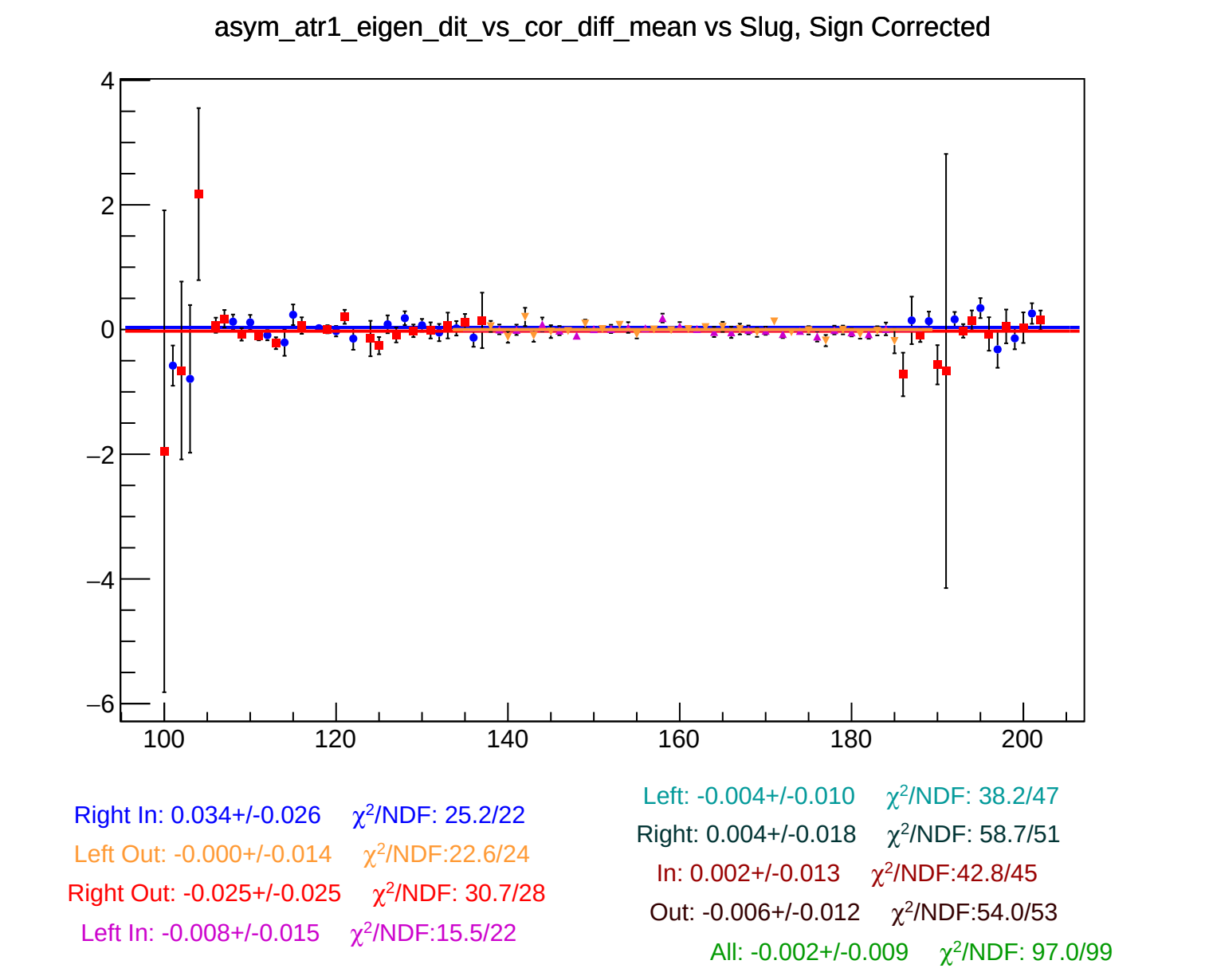
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

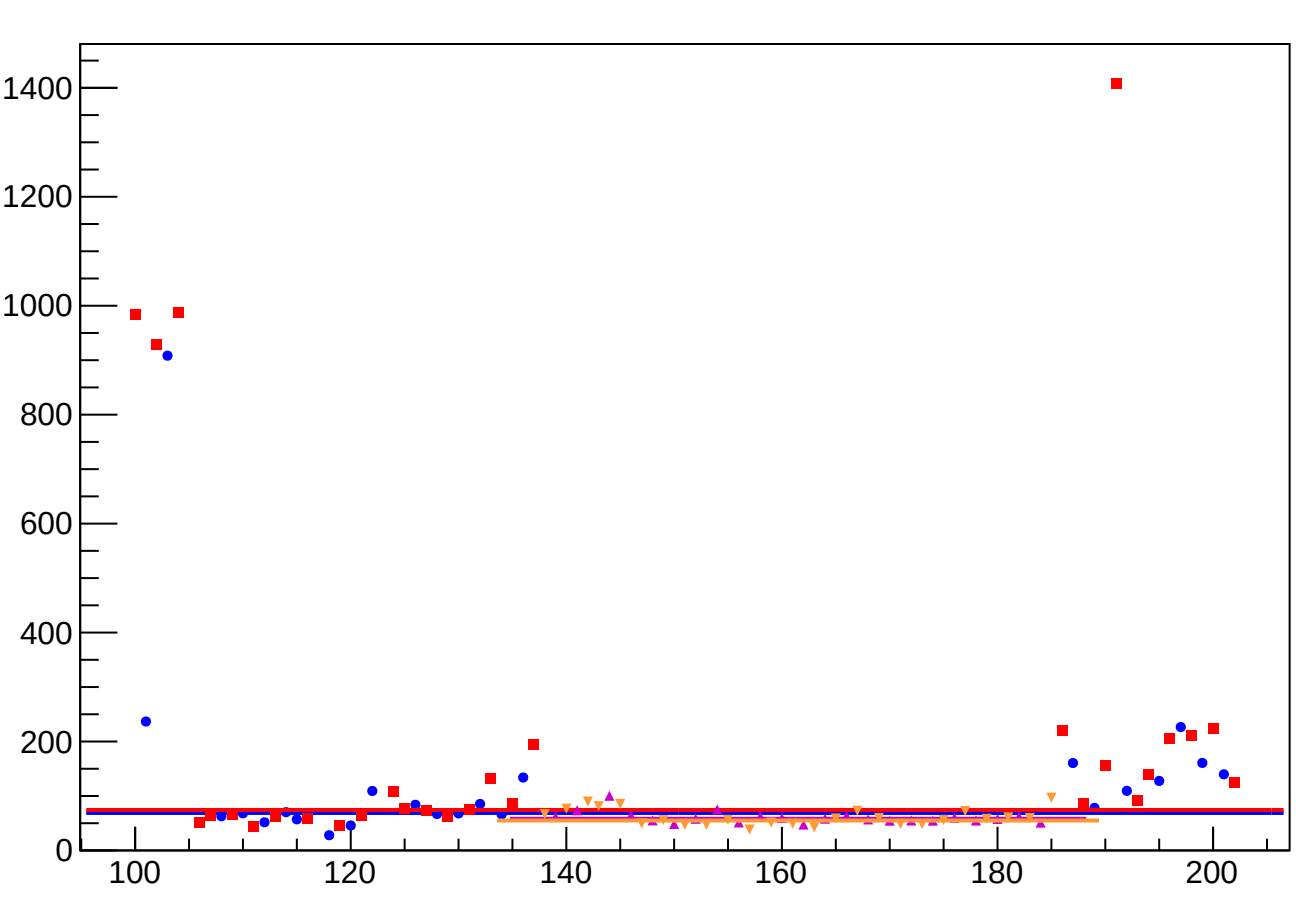
Right: 0.001+/-0.000 χ^2/NDF: 16963233.6/51

In: 0.001+/-0.000 χ^2/NDF:15802348.2/45

Out: 0.001+/-0.000 χ^2/NDF:18357117.1/53

All: 0.001+/-0.000 χ^2/NDF: 34163813.8/99


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.034+/-0.026 χ²/NDF: 25.2/22
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.025+/-0.025 χ²/NDF: 30.7/28
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.004+/-0.018 χ²/NDF: 58.7/51
In: 0.002+/-0.013 χ²/NDF:42.8/45
Out: -0.006+/-0.012 χ²/NDF:54.0/53
All: -0.002+/-0.009 χ²/NDF: 97.0/99



Right In: 68.860+/-0.018 χ^2/NDF: 5666424.7/22

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.342+/-0.018 χ^2/NDF: 6128631.9/28

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

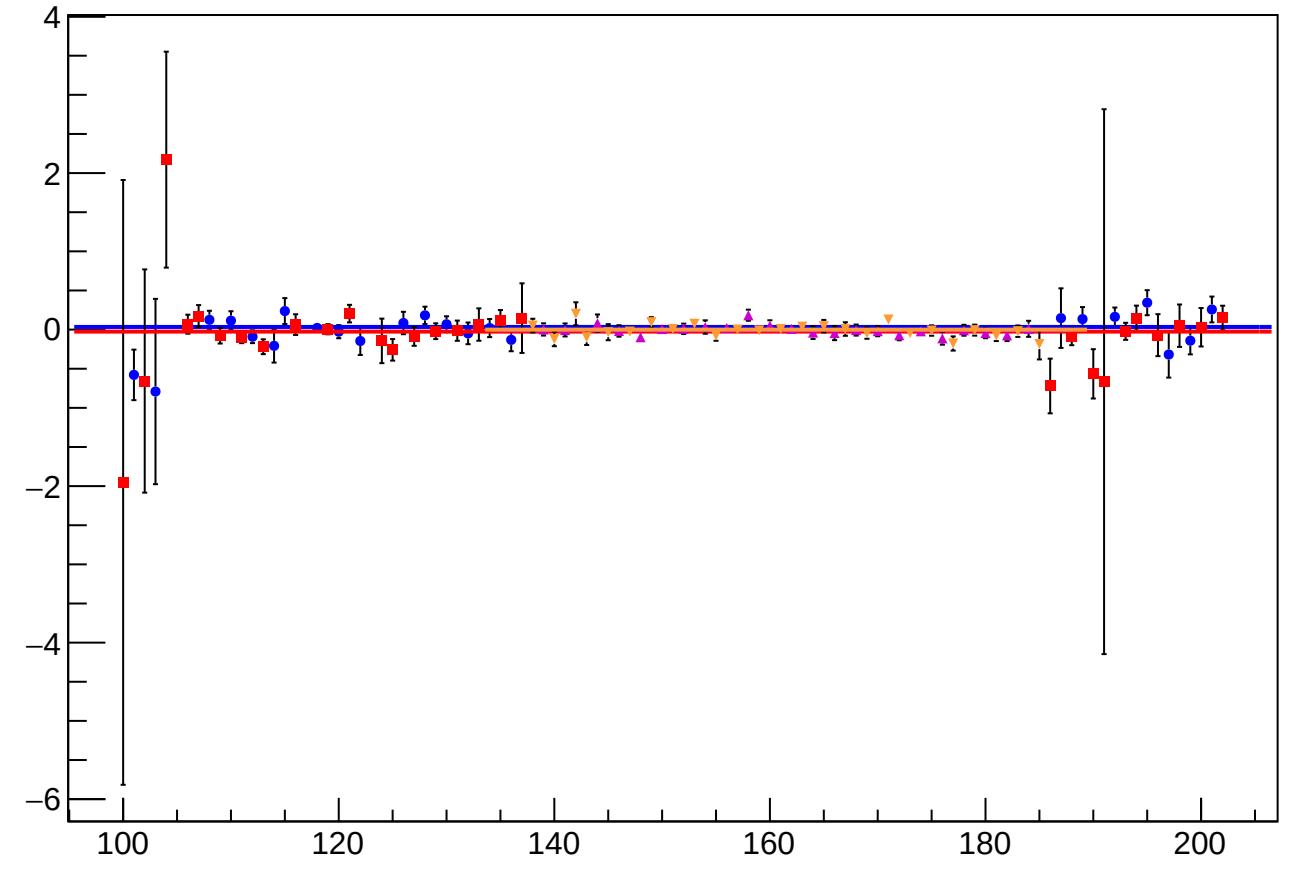
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 71.651+/-0.013 χ^2/NDF: 11841918.1/51

In: 60.841+/-0.009 χ^2/NDF:6587204.3/45

Out: 59.585+/-0.009 χ^2/NDF:8336068.5/53

All: 60.186+/-0.006 χ^2/NDF: 14933262.8/99



Right In: 0.034+/-0.026 χ^2/NDF: 25.2/22

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.025 χ^2/NDF: 30.7/28

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

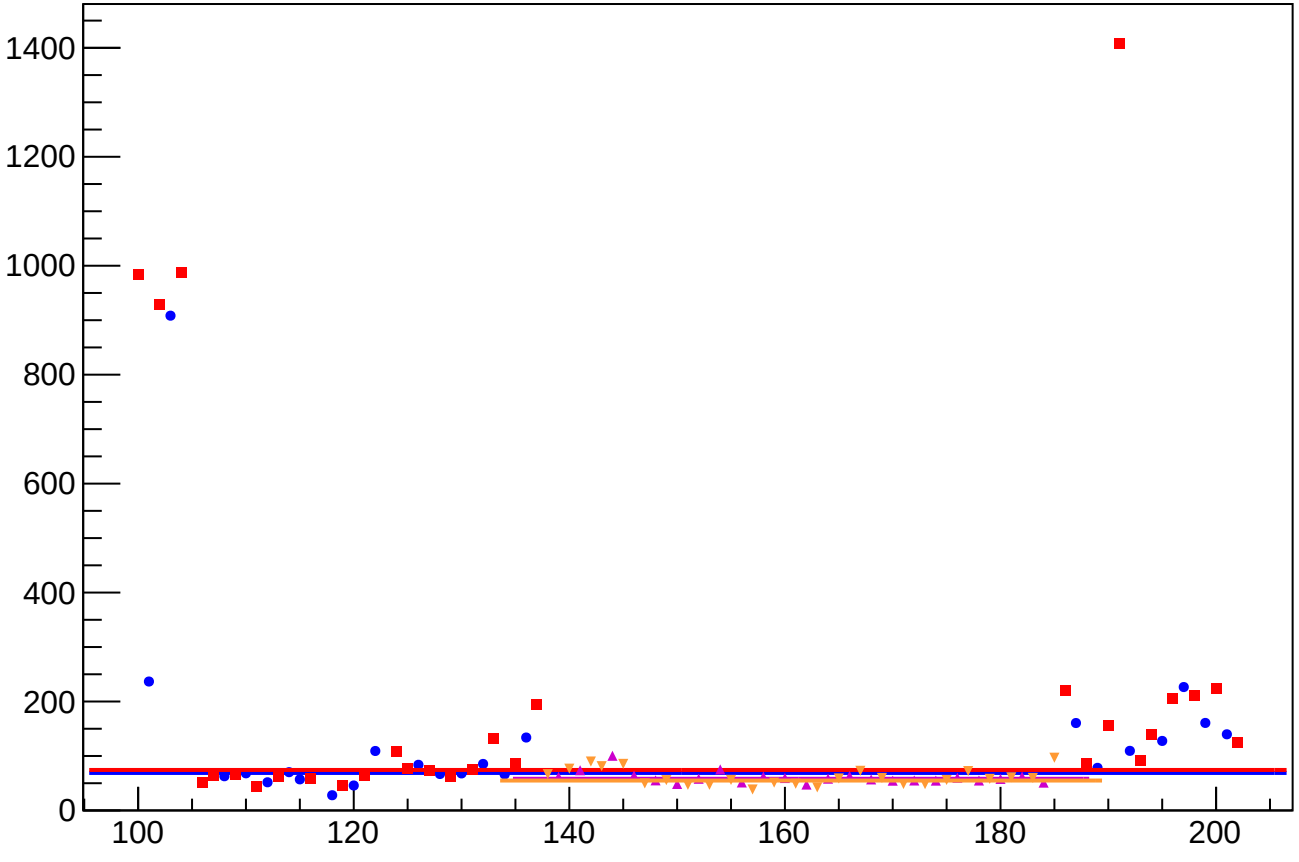
Right: 0.004+/-0.018 χ^2/NDF: 58.7/51

In: 0.002+/-0.013 χ^2/NDF:42.8/45

Out: -0.006+/-0.012 χ^2/NDF:54.0/53

All: -0.002+/-0.009 χ^2/NDF: 97.0/99

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.860+/-0.018 χ^2/NDF: 5666424.7/22

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.342+/-0.018 χ^2/NDF: 6128631.9/28

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

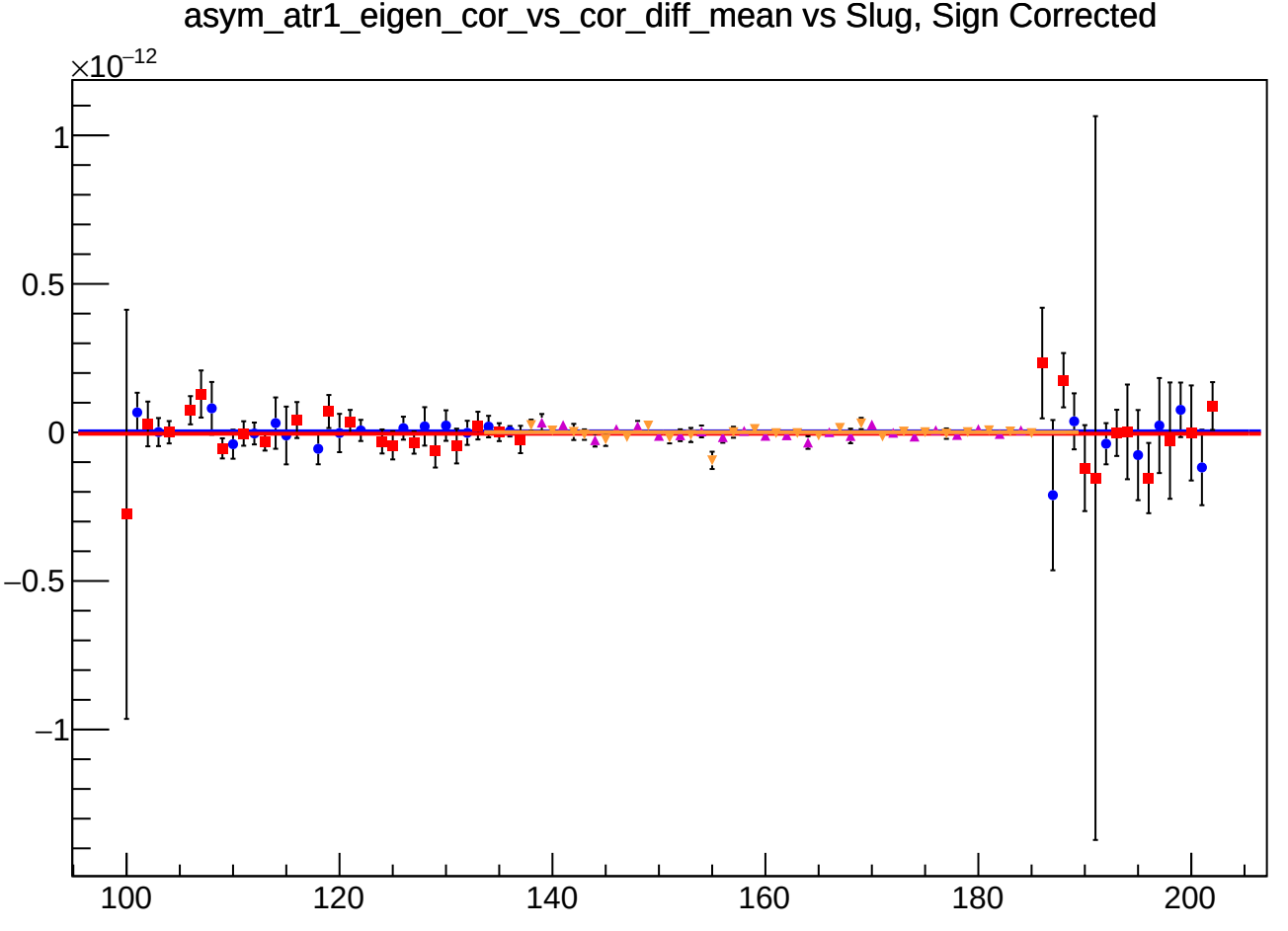
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 71.651+/-0.013 χ^2/NDF: 11841918.1/51

In: 60.841+/-0.009 χ^2/NDF:6587204.3/45

Out: 59.585+/-0.009 χ^2/NDF:8336068.5/53

All: 60.186+/-0.006 χ^2/NDF: 14933262.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 7.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/28

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

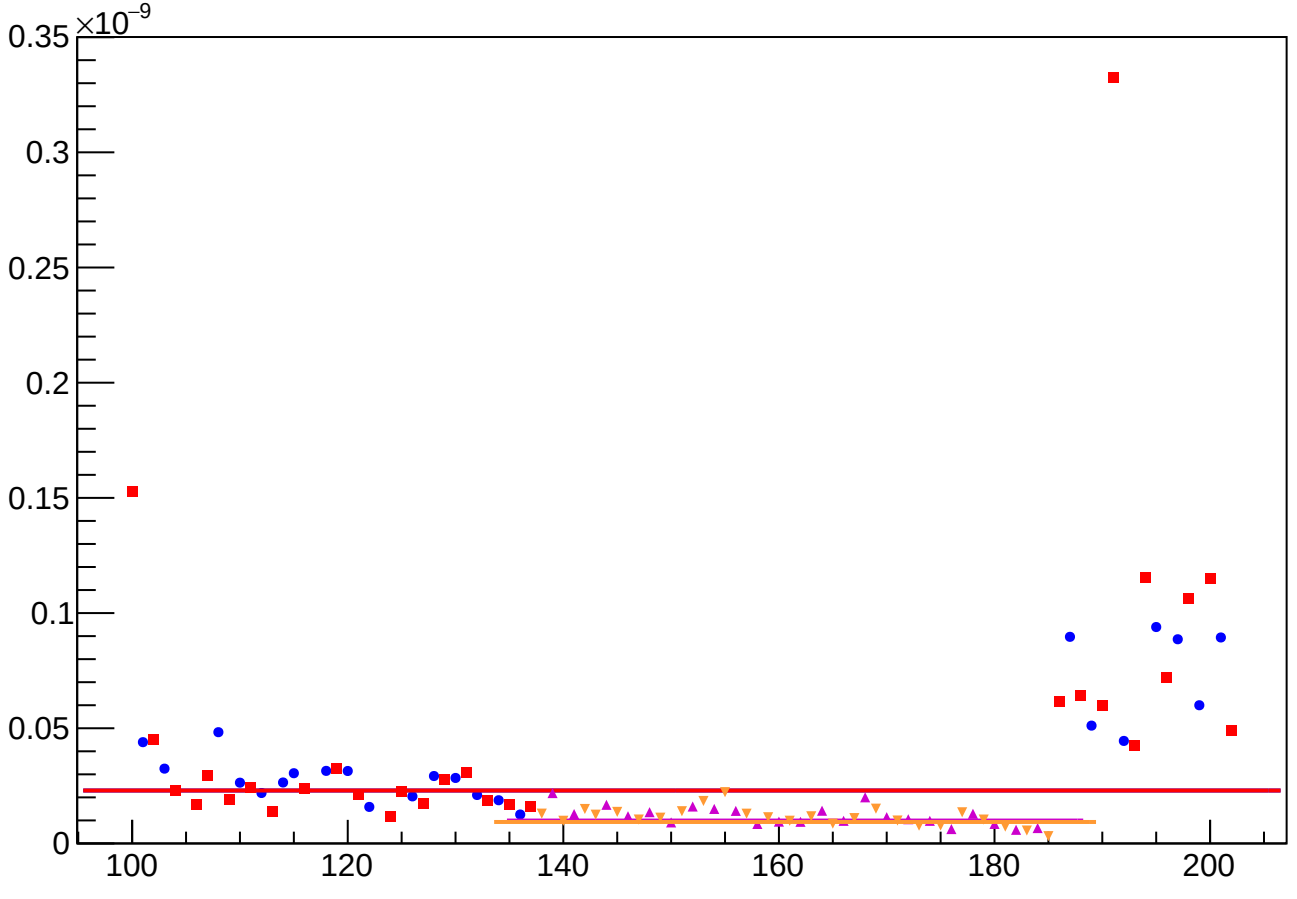
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 33.1/51

In: 0.000+/-0.000 χ^2/NDF:27.8/45

Out: 0.000+/-0.000 χ^2/NDF:50.9/53

All: 0.000+/-0.000 χ^2/NDF: 78.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 3585454.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4103583.5/28

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

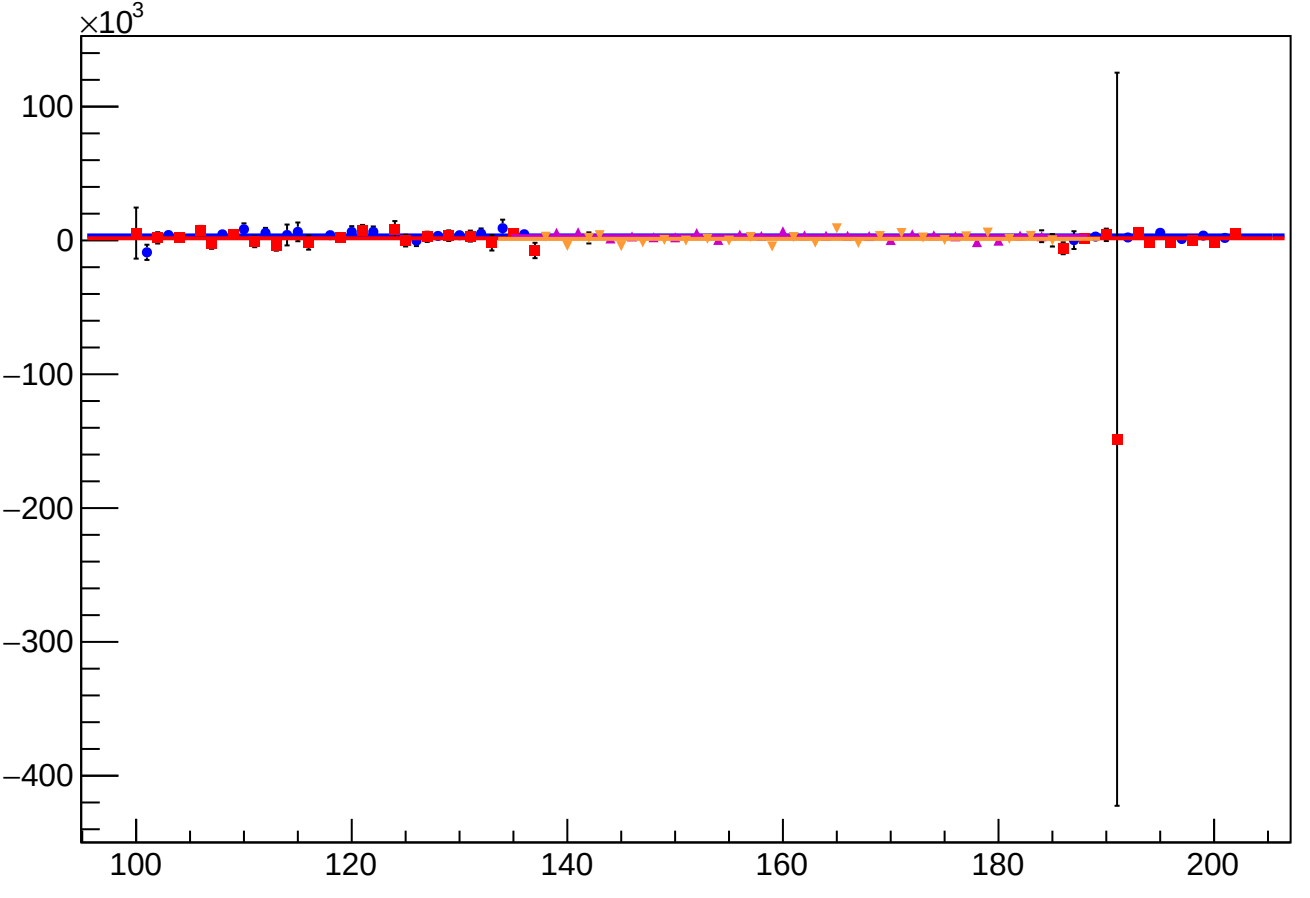
Right: 0.000+/-0.000 χ^2/NDF: 7689038.2/51

In: 0.000+/-0.000 χ^2/NDF:9321483.2/45

Out: 0.000+/-0.000 χ^2/NDF:10790843.6/53

All: 0.000+/-0.000 χ^2/NDF: 20170633.4/99

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3739.006+/-756.689 χ^2/NDF: 11.3/22

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1617.361+/-701.503 χ^2/NDF: 25.5/28

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

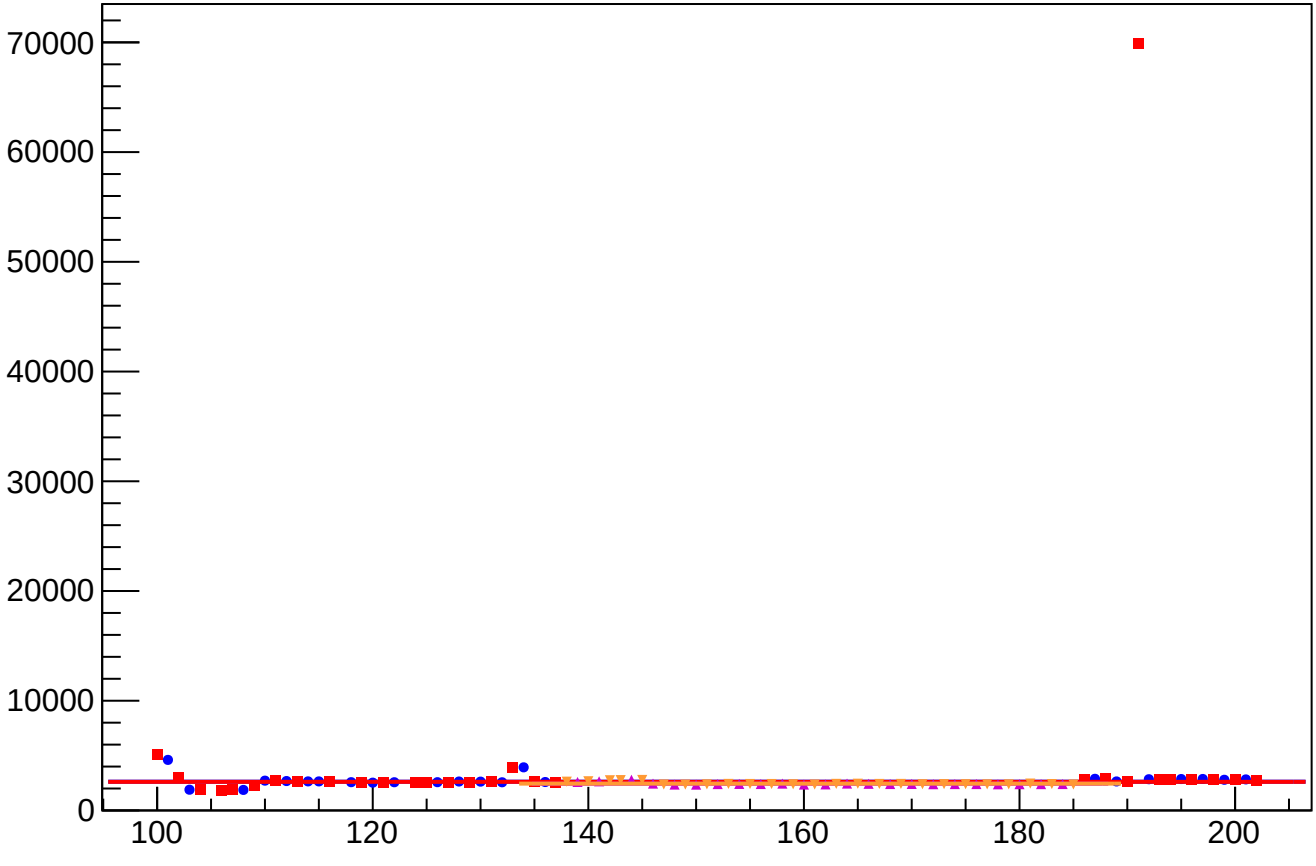
Right: 2598.003+/-514.442 χ^2/NDF: 41.0/51

In: 3361.209+/-454.885 χ^2/NDF:24.3/45

Out: 1354.258+/-435.851 χ^2/NDF:56.9/53

All: 2314.867+/-314.707 χ^2/NDF: 91.3/99

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2622.569+/-0.535 χ^2/NDF: 695735.9/22

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2608.094+/-0.496 χ^2/NDF: 726090.9/28

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

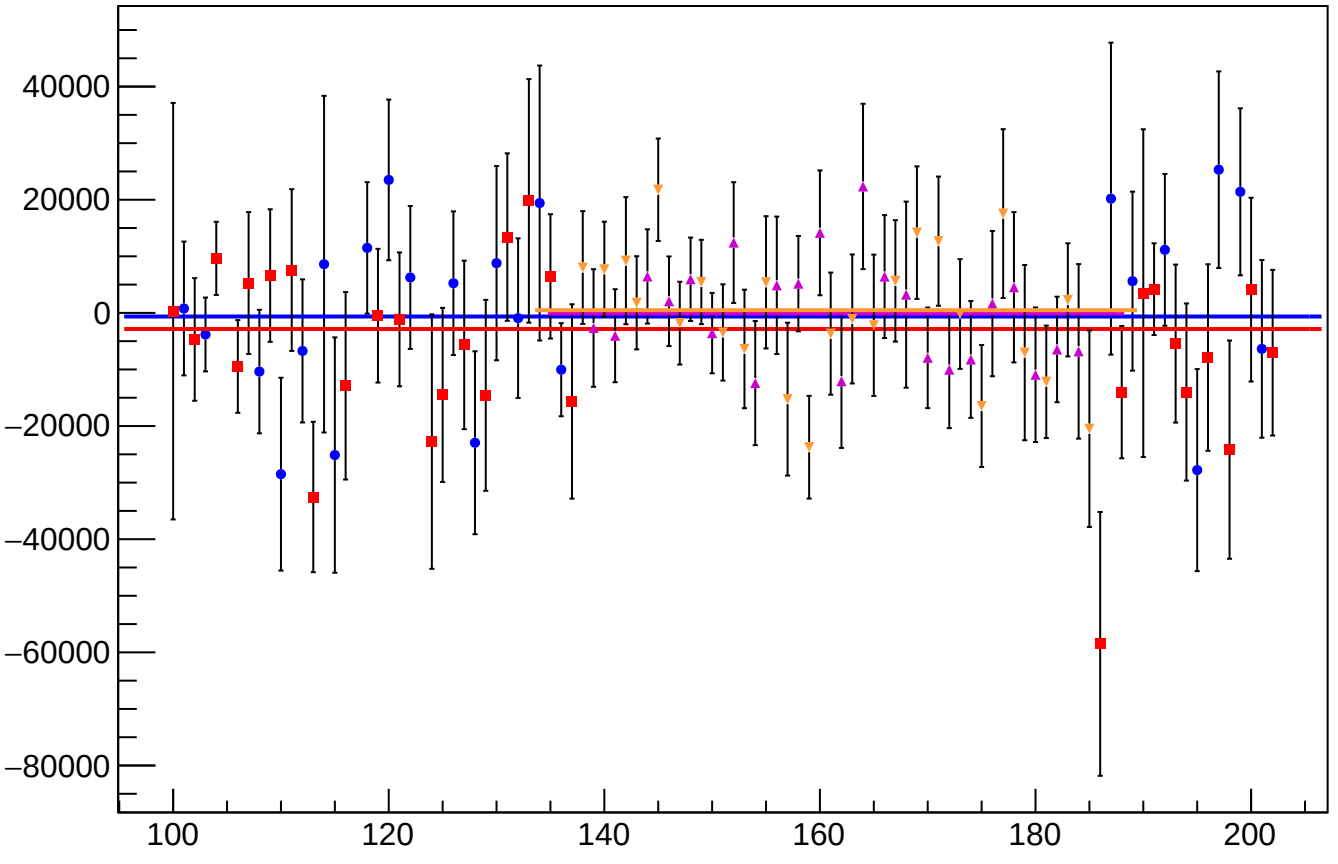
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2614.784+/-0.364 χ^2/NDF: 1422220.5/51

In: 2503.391+/-0.322 χ^2/NDF:832612.6/45

Out: 2508.466+/-0.308 χ^2/NDF:881809.2/53

All: 2506.037+/-0.223 χ^2/NDF: 1714551.6/99



Right In: -640.339+/-2755.775 χ^2/NDF: 22.5/22

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2847.748+/-2407.872 χ^2/NDF: 26.4/28

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

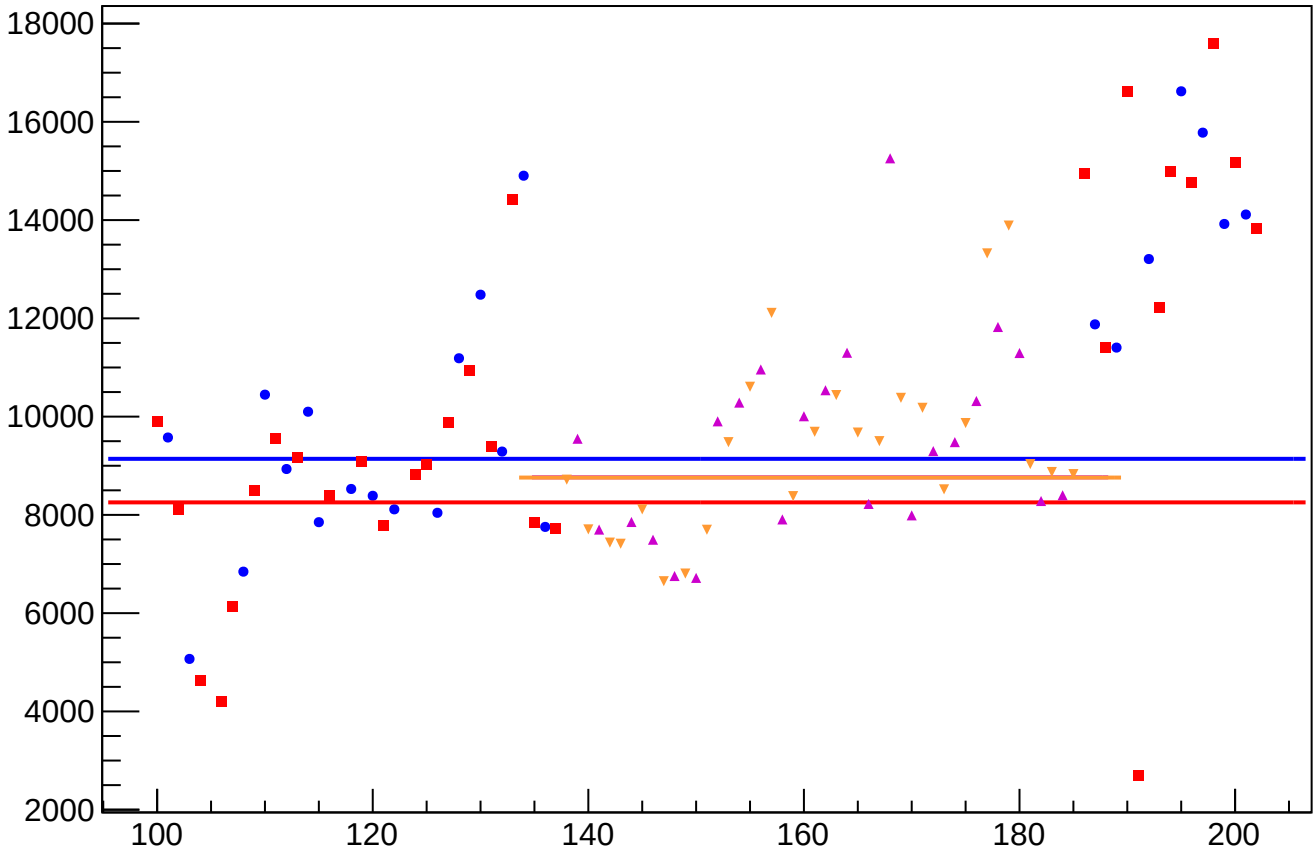
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -1892.097+/-1813.226 χ^2/NDF: 49.3/51

In: -300.558+/-1665.710 χ^2/NDF:37.0/45

Out: -908.954+/-1554.696 χ^2/NDF:54.9/53

All: -625.704+/-1136.557 χ^2/NDF: 92.1/99



Right In: 9141.009+/-1.949 χ^2/NDF: 2505975.1/22

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8254.456+/-1.703 χ^2/NDF: 4863892.4/28

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

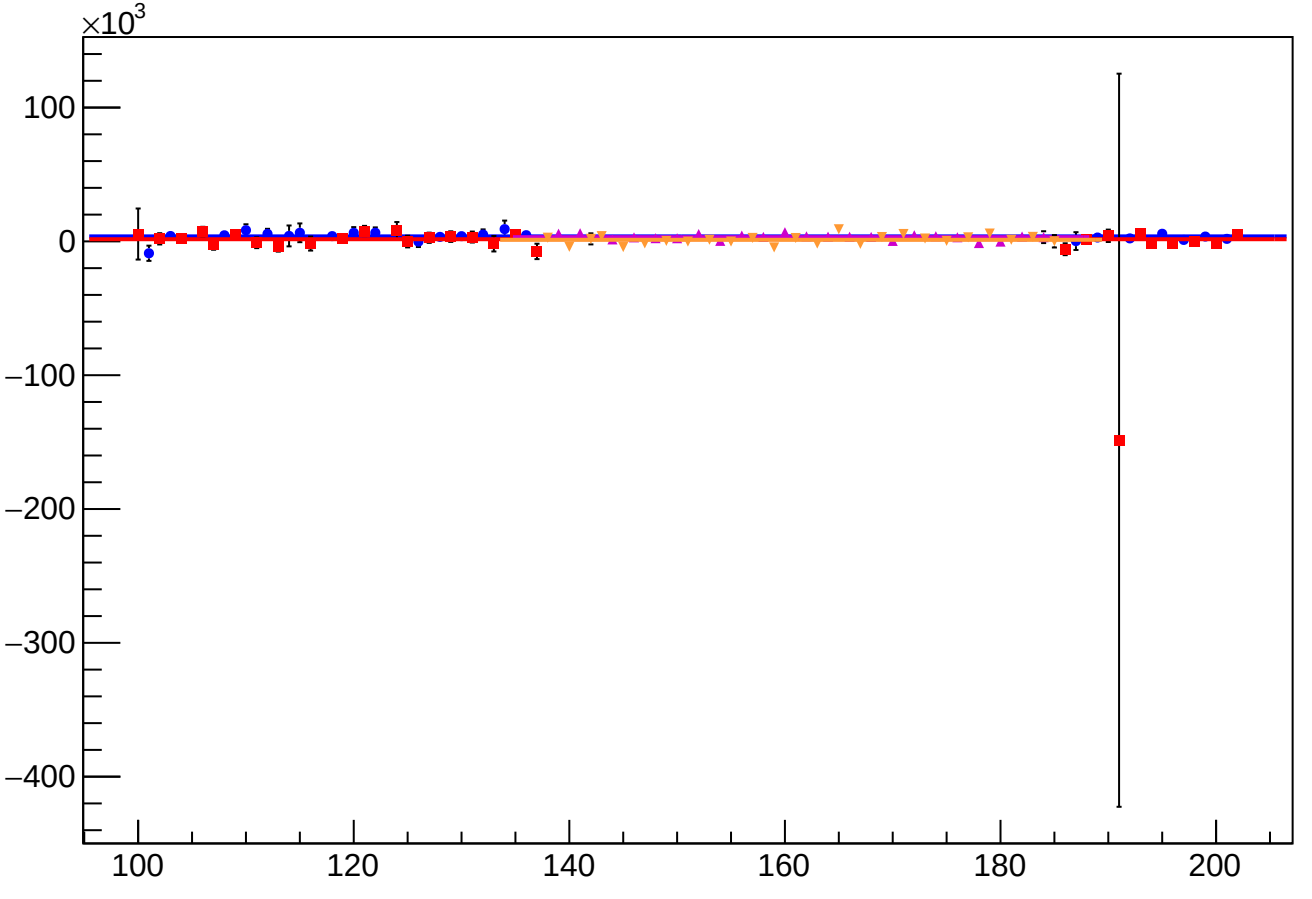
Right: 8638.269+/-1.282 χ^2/NDF: 7487246.5/51

In: 8901.829+/-1.178 χ^2/NDF:3821412.9/45

Out: 8549.029+/-1.099 χ^2/NDF:6137464.3/53

All: 8713.281+/-0.804 χ^2/NDF: 10006826.2/9

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3738.807+/-756.689 χ^2/NDF: 11.3/22

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1617.722+/-701.506 χ^2/NDF: 25.5/28

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

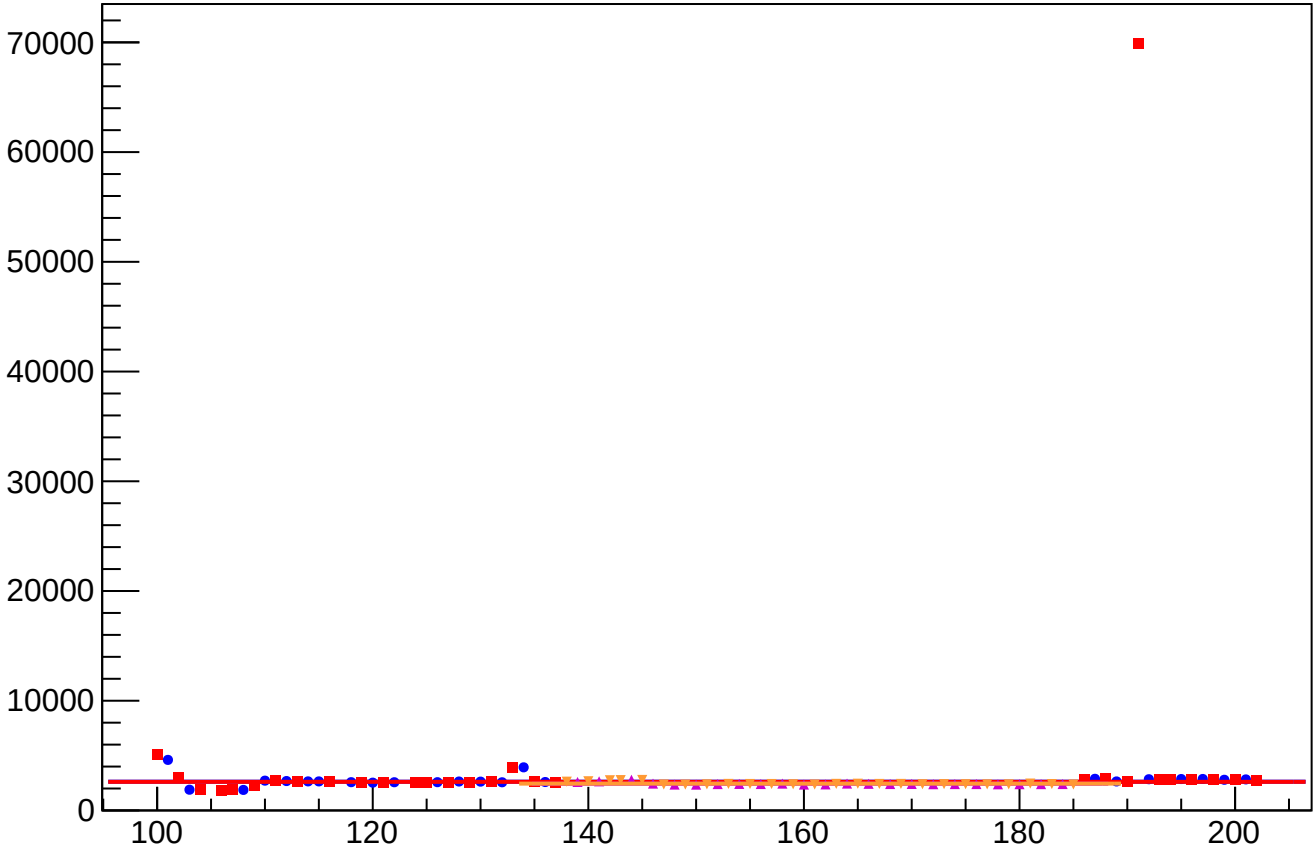
Right: 2598.110+/-514.443 χ^2/NDF: 41.0/51

In: 3361.011+/-454.885 χ^2/NDF:24.3/45

Out: 1354.292+/-435.852 χ^2/NDF:56.9/53

All: 2314.793+/-314.707 χ^2/NDF: 91.4/99

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2622.570+/-0.535 χ^2/NDF: 695733.2/22

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2608.109+/-0.496 χ^2/NDF: 726017.5/28

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

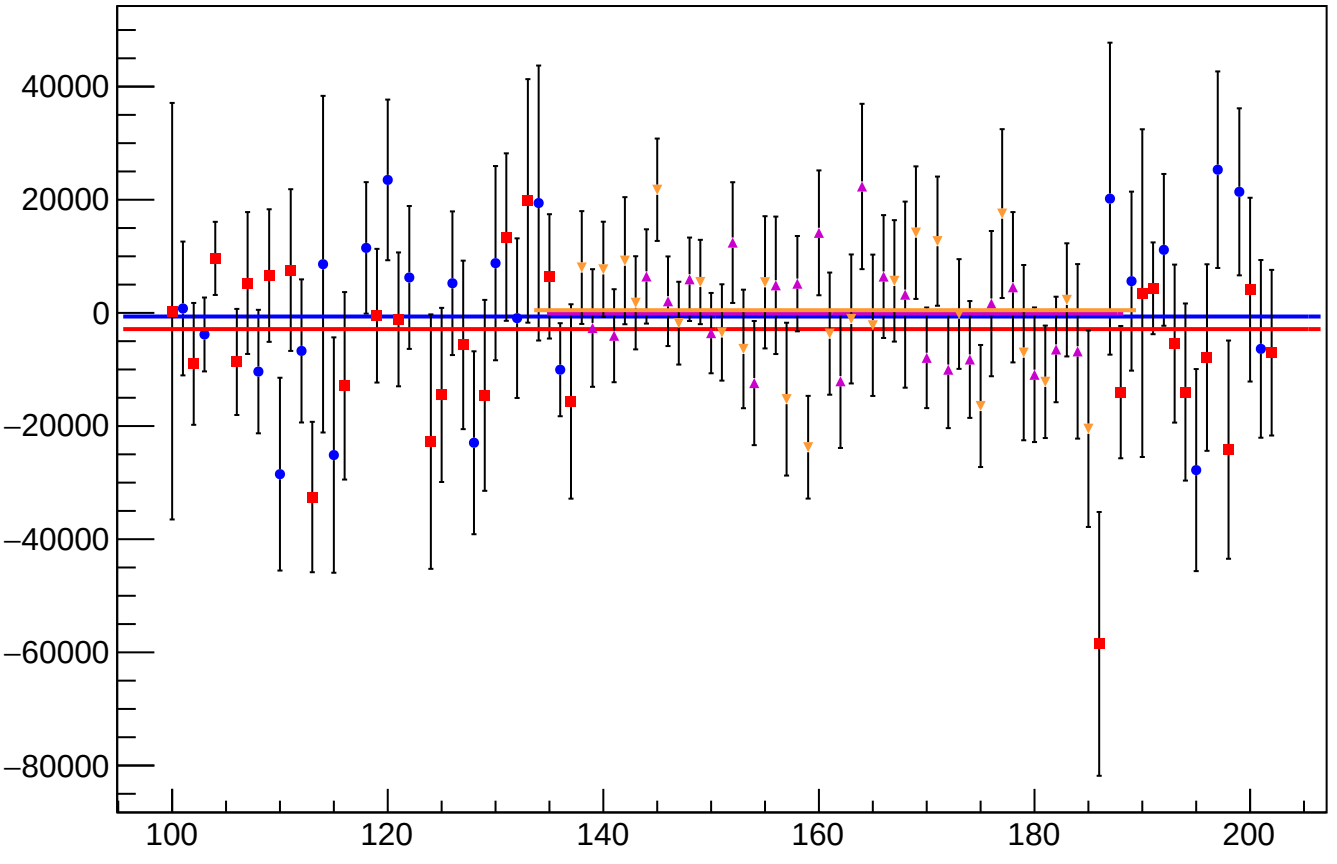
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2614.793+/-0.364 χ^2/NDF: 1422143.4/51

In: 2503.391+/-0.322 χ^2/NDF:832610.4/45

Out: 2508.471+/-0.308 χ^2/NDF:881747.9/53

All: 2506.040+/-0.223 χ^2/NDF: 1714488.4/99



Right In: -639.999+/-2755.838 χ^2/NDF: 22.5/22

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2864.361+/-2432.348 χ^2/NDF: 26.5/28

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

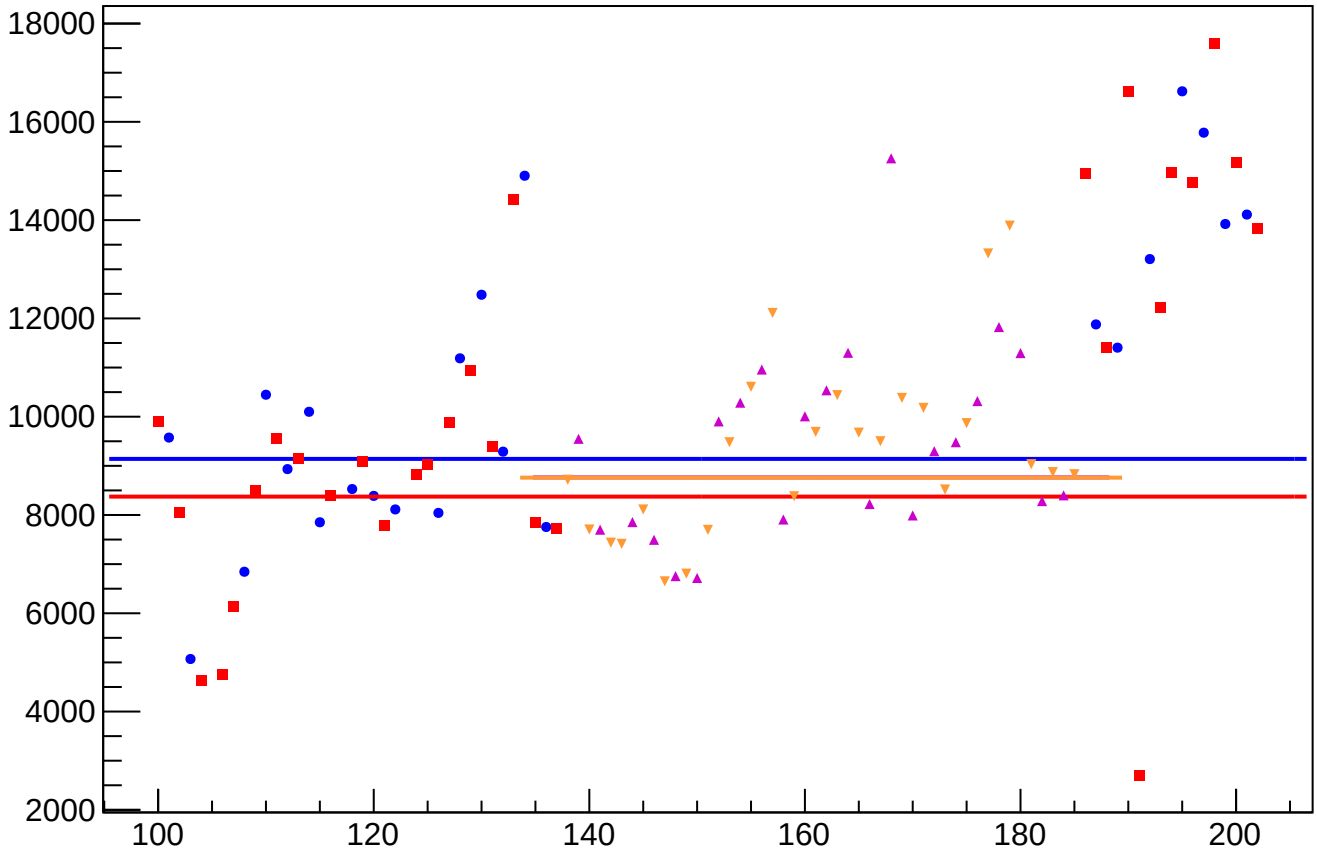
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1890.335+/-1823.628 χ^2/NDF: 49.4/51

In: -300.473+/-1665.724 χ^2/NDF:37.0/45

Out: -899.468+/-1561.225 χ^2/NDF:55.0/53

All: -619.348+/-1139.105 χ^2/NDF: 92.1/99



Right In: 9141.323+/-1.949 χ^2/NDF: 2505501.7/22

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8373.820+/-1.720 χ^2/NDF: 4645121.0/28

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

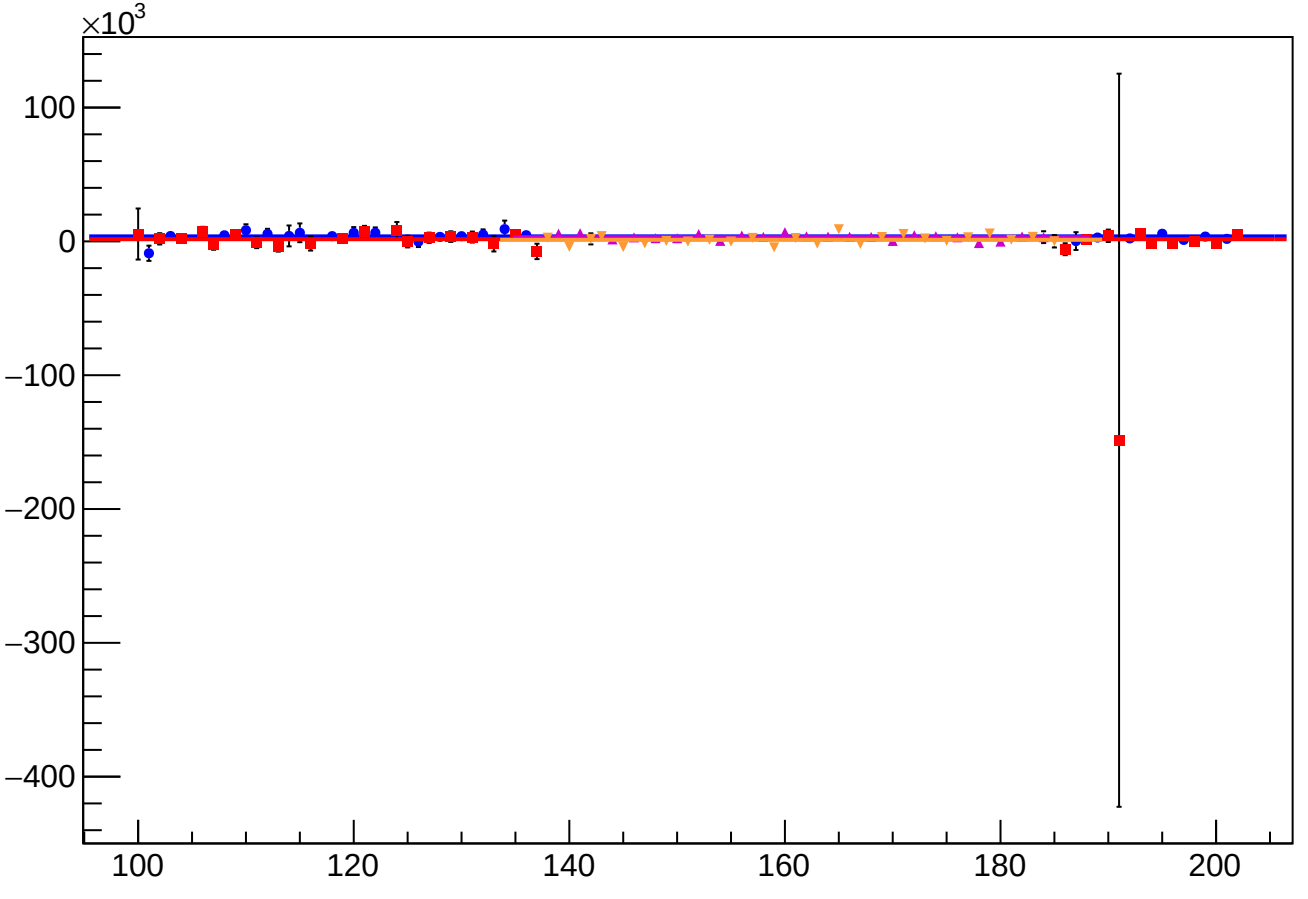
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8709.901+/-1.289 χ^2/NDF: 7237820.3/51

In: 8901.936+/-1.178 χ^2/NDF:3820980.5/45

Out: 8600.680+/-1.104 χ^2/NDF:5896957.1/53

All: 8741.562+/-0.805 χ^2/NDF: 9752762.7/99



Right In: 3738.807+/-756.689 χ^2/NDF: 11.3/22

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1617.722+/-701.506 χ^2/NDF: 25.5/28

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

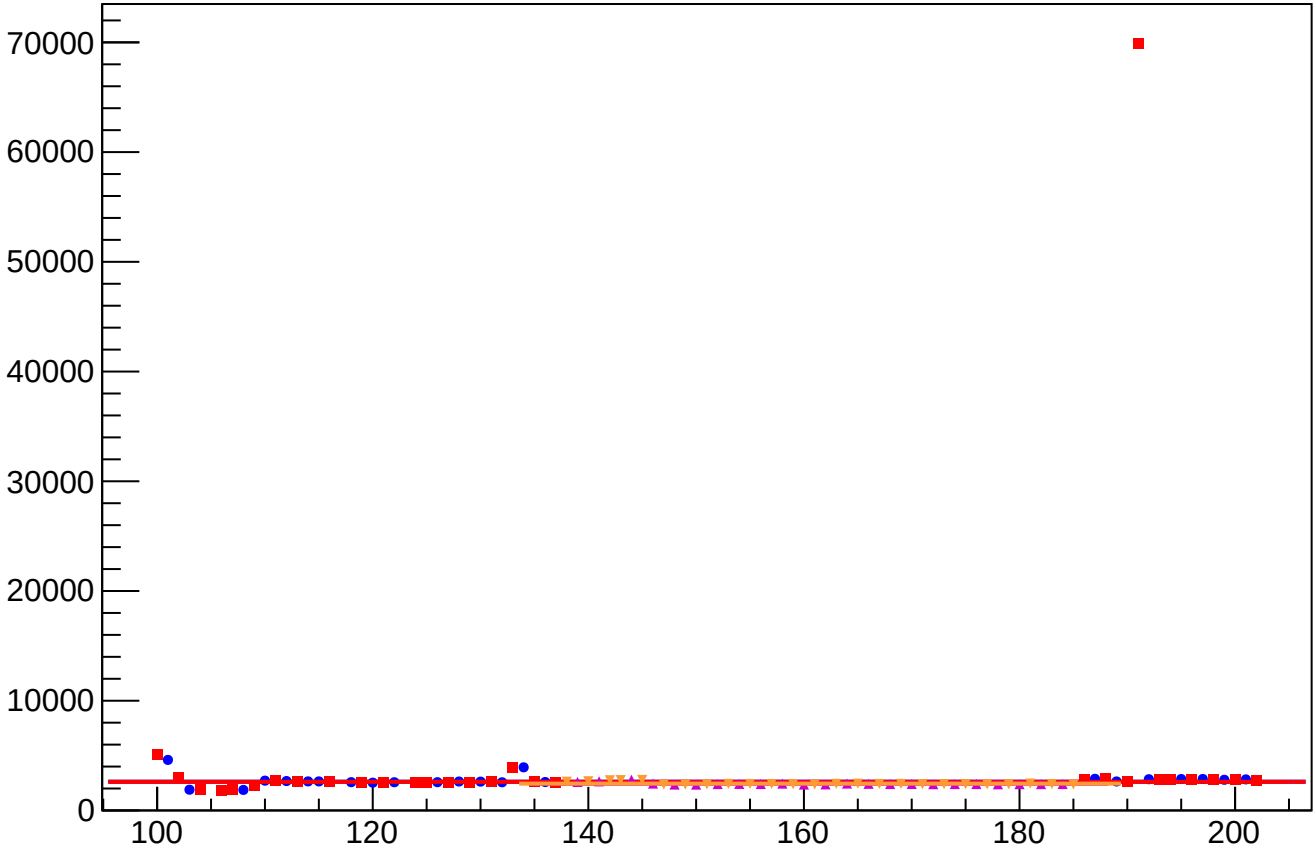
Right: 2598.110+/-514.443 χ^2/NDF: 41.0/51

In: 3361.011+/-454.885 χ^2/NDF:24.3/45

Out: 1354.292+/-435.852 χ^2/NDF:56.9/53

All: 2314.793+/-314.707 χ^2/NDF: 91.4/99

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2622.570+/-0.535 χ^2/NDF: 695733.2/22

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2608.109+/-0.496 χ^2/NDF: 726017.5/28

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

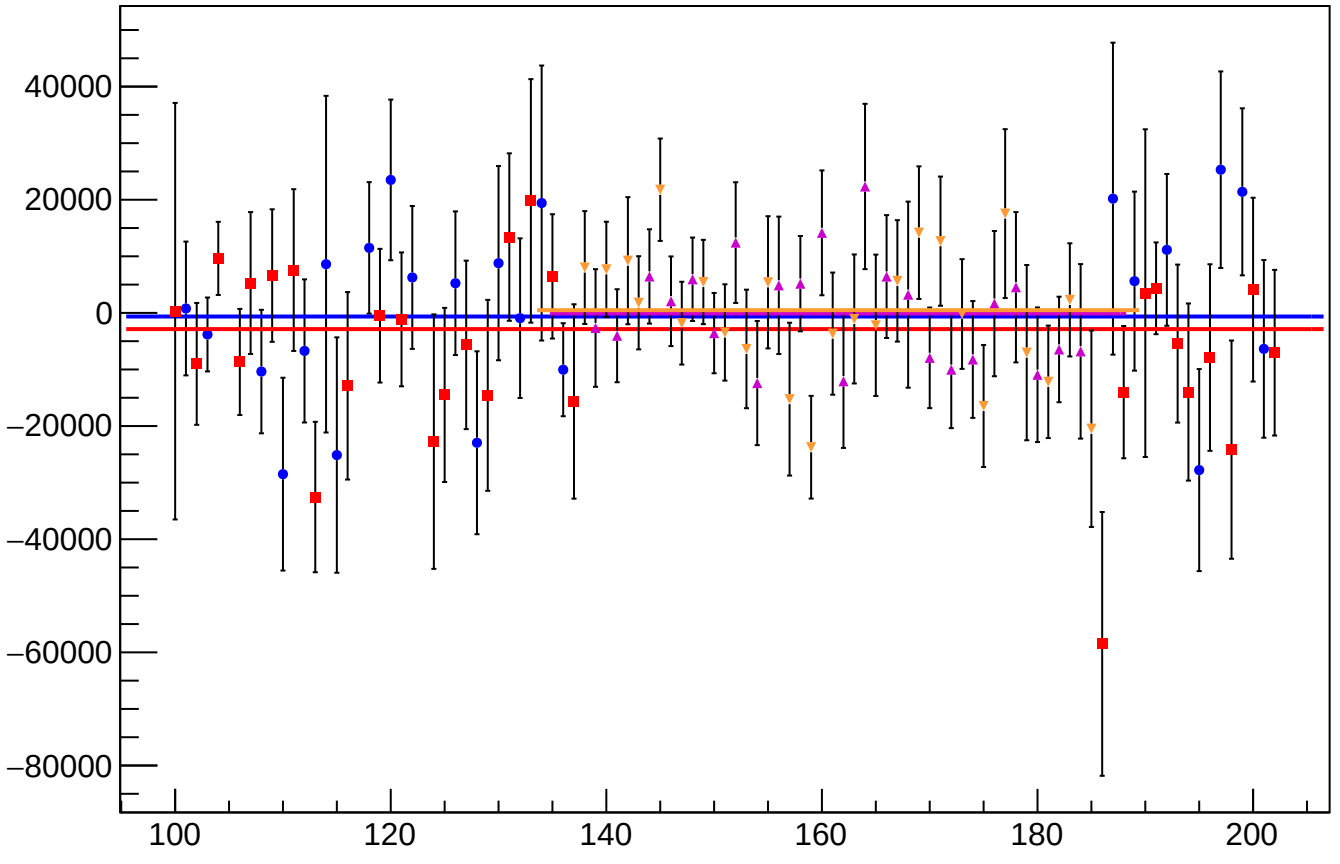
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2614.793+/-0.364 χ^2/NDF: 1422143.4/51

In: 2503.391+/-0.322 χ^2/NDF:832610.4/45

Out: 2508.471+/-0.308 χ^2/NDF:881747.9/53

All: 2506.040+/-0.223 χ^2/NDF: 1714488.4/99



Right In: -639.999+/-2755.838 χ^2/NDF: 22.5/22

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2864.361+/-2432.348 χ^2/NDF: 26.5/28

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

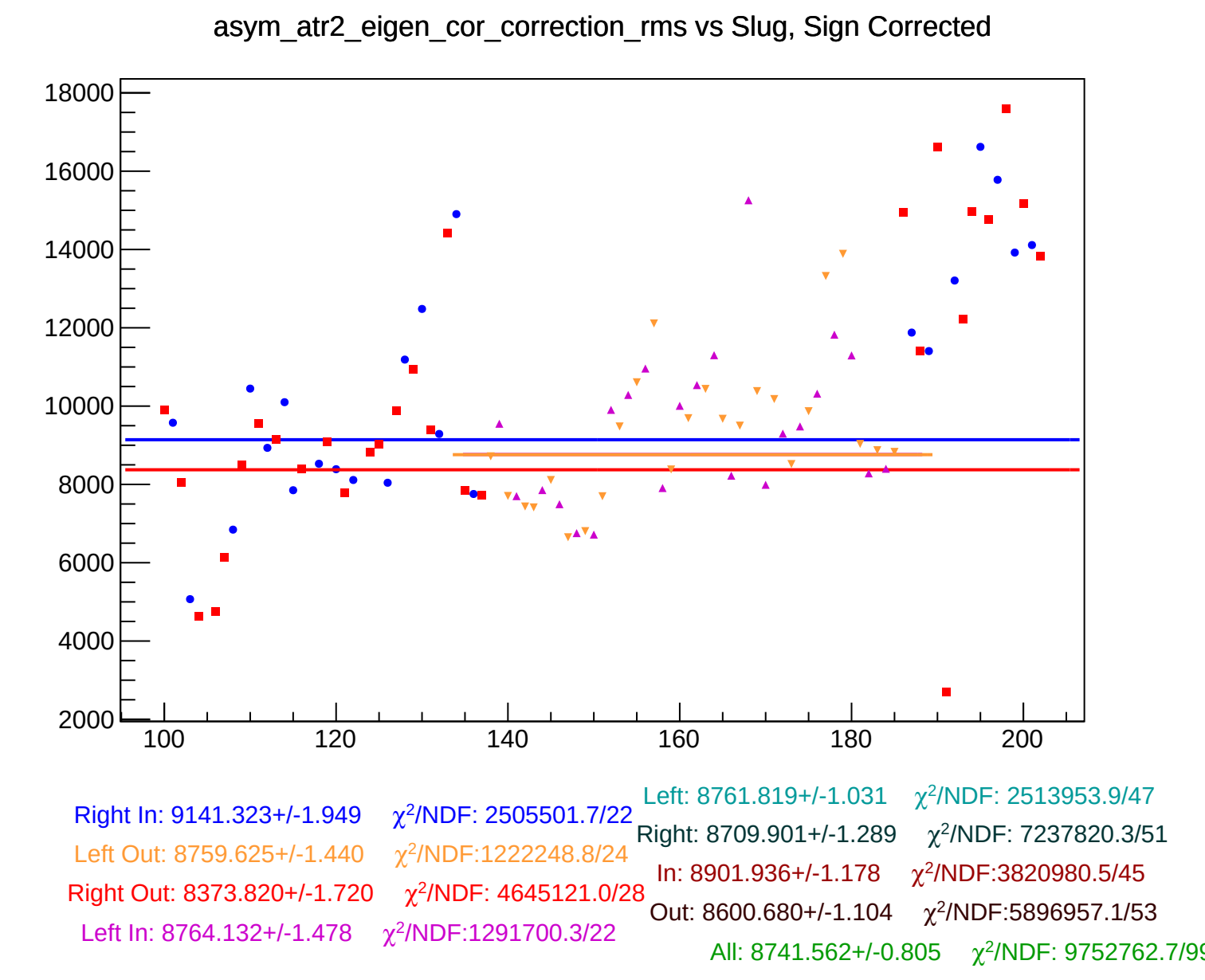
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1890.335+/-1823.628 χ^2/NDF: 49.4/51

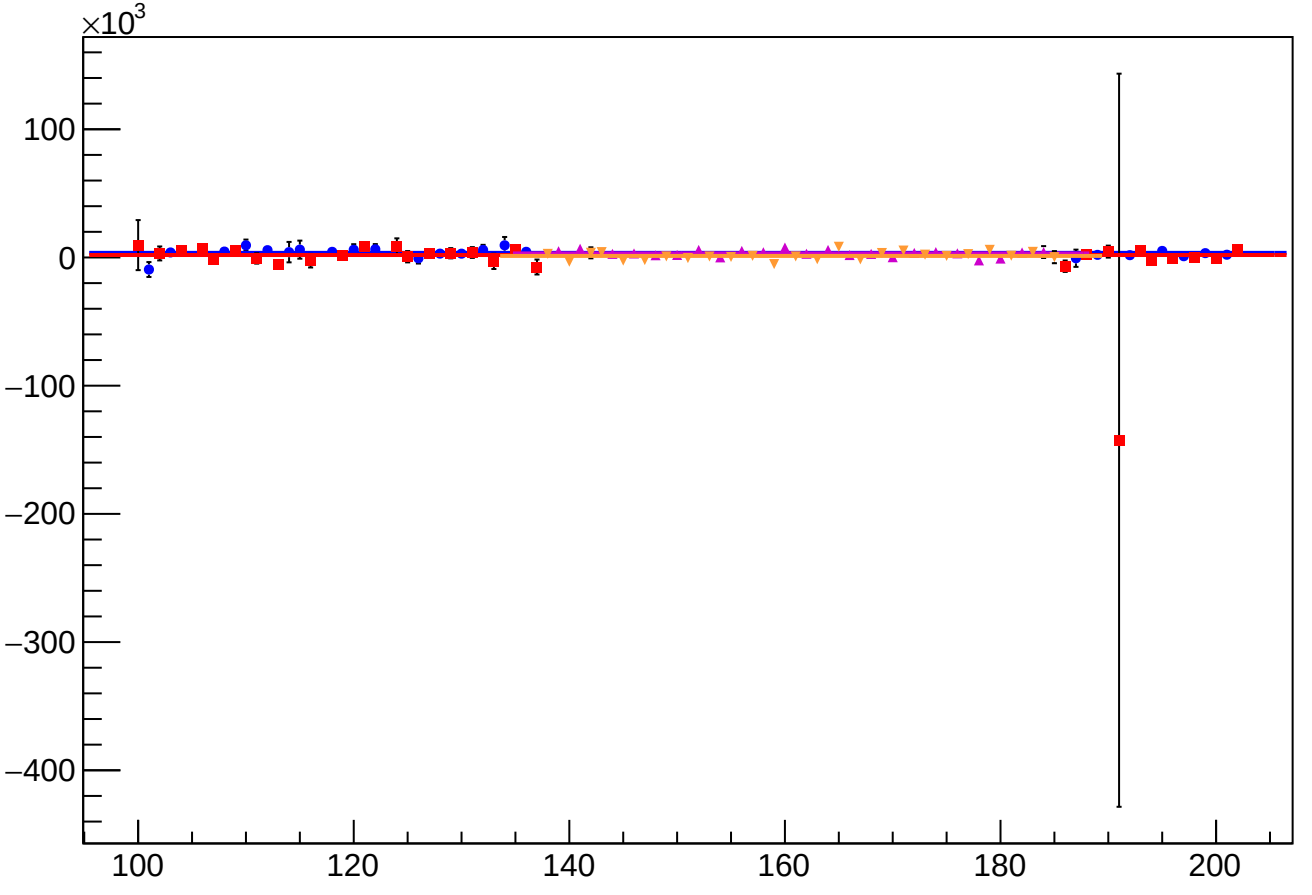
In: -300.473+/-1665.724 χ^2/NDF:37.0/45

Out: -899.468+/-1561.225 χ^2/NDF:55.0/53

All: -619.348+/-1139.105 χ^2/NDF: 92.1/99


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9141.323+/-1.949 χ²/NDF: 2505501.7/22
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 8373.820+/-1.720 χ²/NDF: 4645121.0/28
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 8709.901+/-1.289 χ²/NDF: 7237820.3/51
In: 8901.936+/-1.178 χ²/NDF:3820980.5/45
Out: 8600.680+/-1.104 χ²/NDF:5896957.1/53
All: 8741.562+/-0.805 χ²/NDF: 9752762.7/99

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3600.310+/-782.725 χ^2/NDF: 12.5/22

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1917.919+/-727.163 χ^2/NDF: 29.5/28

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

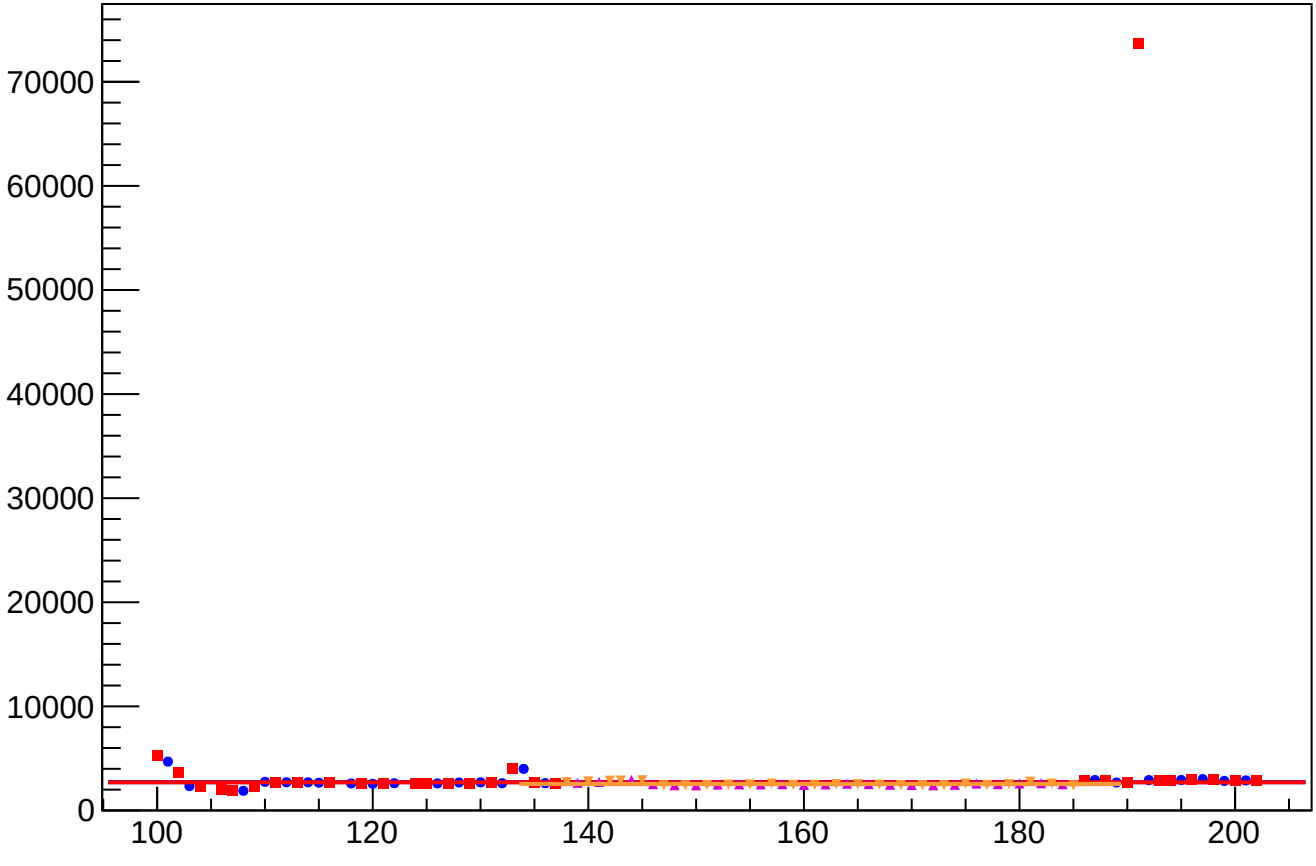
Right: 2697.288+/-532.743 χ^2/NDF: 44.5/51

In: 3314.070+/-472.220 χ^2/NDF:29.2/45

Out: 1487.450+/-453.283 χ^2/NDF:56.9/53

All: 2363.400+/-327.009 χ^2/NDF: 93.9/99

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2720.431+/-0.553 χ^2/NDF: 549572.0/22

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2702.803+/-0.514 χ^2/NDF: 632515.2/28

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

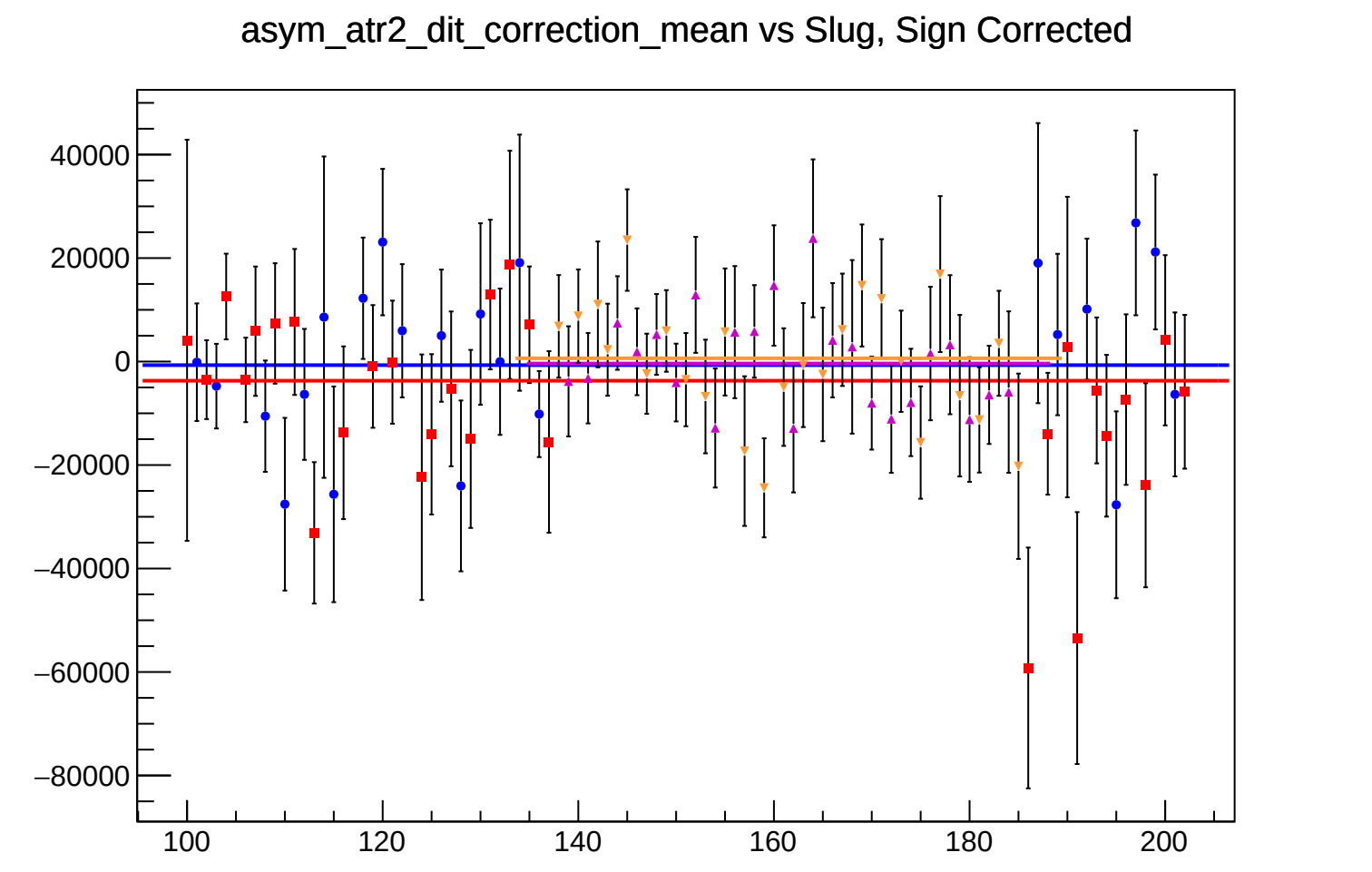
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2710.966+/-0.377 χ^2/NDF: 1182631.8/51

In: 2601.075+/-0.334 χ^2/NDF:691131.3/45

Out: 2607.660+/-0.320 χ^2/NDF:805863.7/53

All: 2604.503+/-0.231 χ^2/NDF: 1497197.4/99



Right In: -691.564+/-2857.479 χ^2/NDF: 22.3/22

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -3704.845+/-2526.268 χ^2/NDF: 28.9/28

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

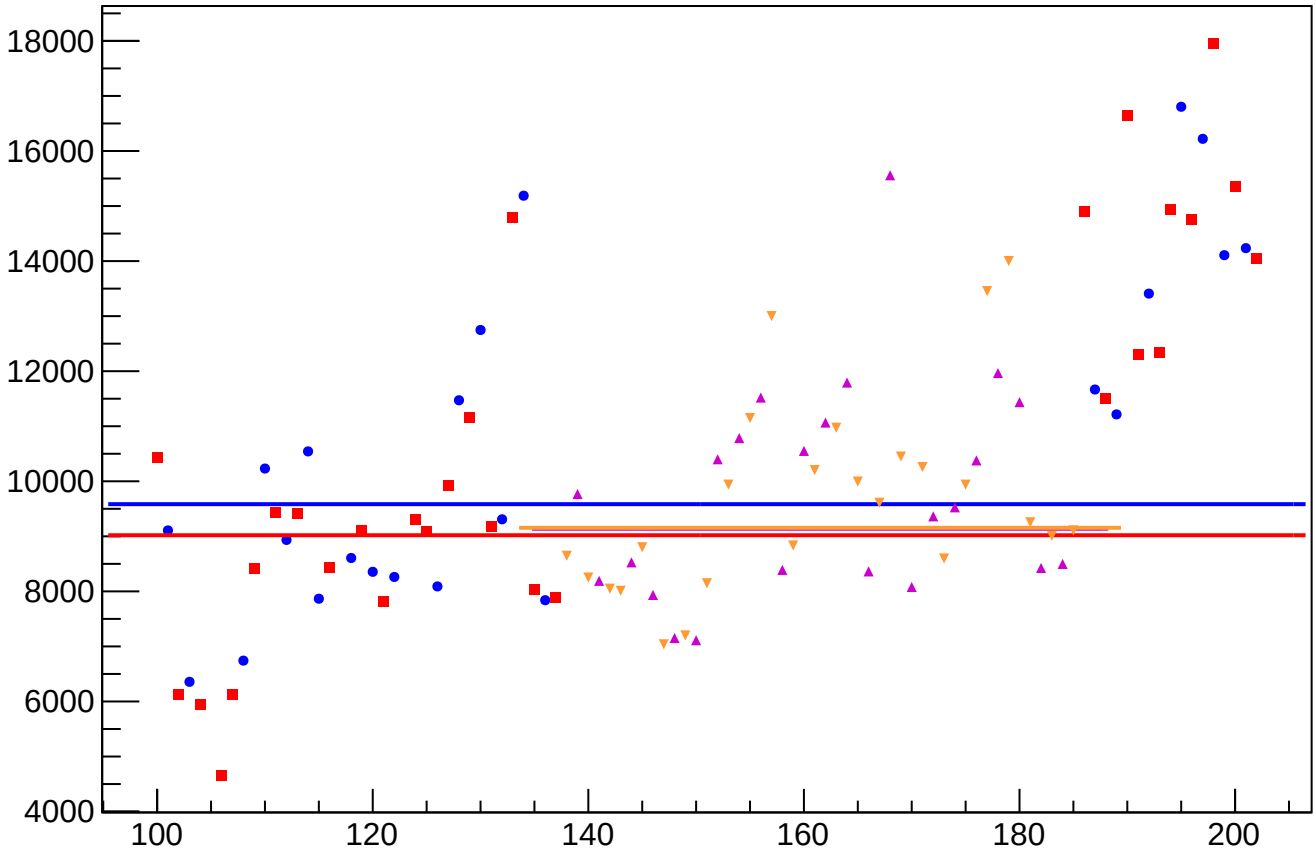
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -2382.884+/-1892.660 χ^2/NDF: 51.9/51

In: -493.067+/-1731.363 χ^2/NDF:36.6/45

Out: -1163.538+/-1625.340 χ^2/NDF:57.3/53

All: -849.458+/-1184.999 χ^2/NDF: 94.0/99



Right In: 9584.169+/-2.021 χ^2/NDF: 1980650.8/22

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9019.841+/-1.786 χ^2/NDF: 3444622.7/28

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

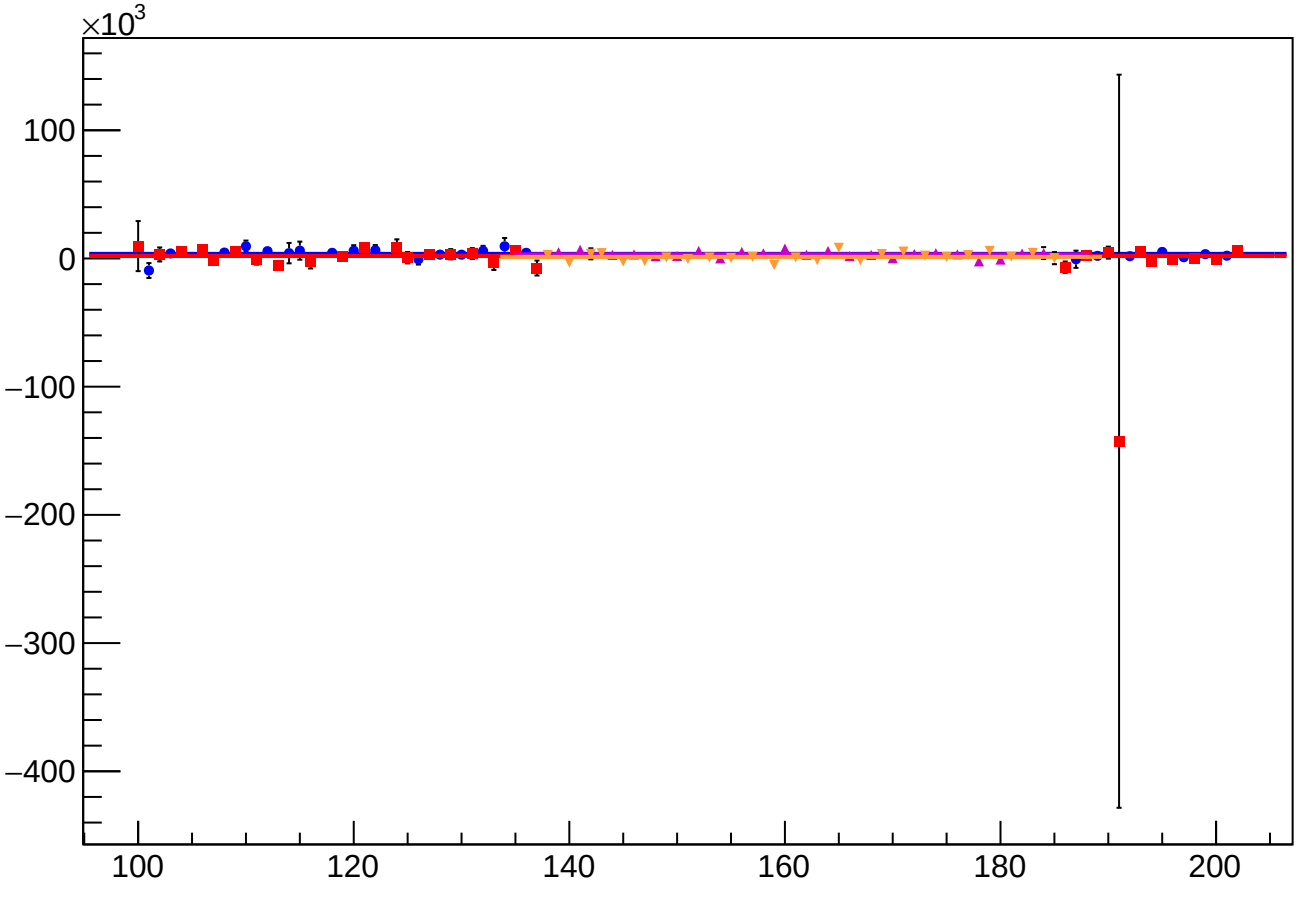
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9267.418+/-1.338 χ^2/NDF: 5469057.2/51

In: 9301.530+/-1.224 χ^2/NDF:3184360.6/45

Out: 9098.871+/-1.149 χ^2/NDF:4520036.3/53

All: 9193.806+/-0.838 χ^2/NDF: 7718962.7/99



Right In: 3600.314+/-782.725 χ^2/NDF: 12.5/22

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1917.922+/-727.163 χ^2/NDF: 29.5/28

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

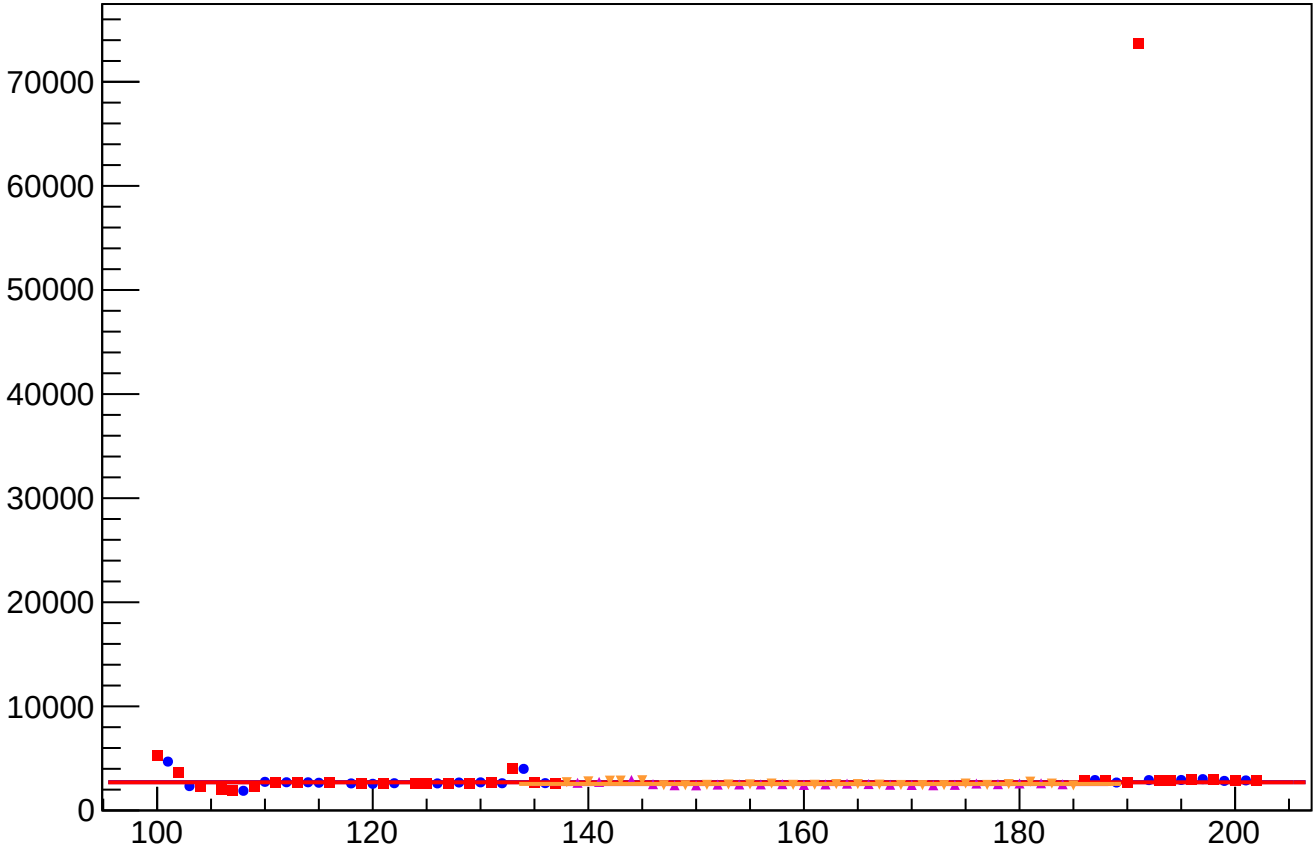
Right: 2697.291+/-532.743 χ^2/NDF: 44.5/51

In: 3314.071+/-472.220 χ^2/NDF:29.2/45

Out: 1487.444+/-453.283 χ^2/NDF:56.9/53

All: 2363.398+/-327.009 χ^2/NDF: 93.9/99

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2720.431+/-0.553 χ^2/NDF: 549572.5/22

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2702.803+/-0.514 χ^2/NDF: 632515.1/28

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

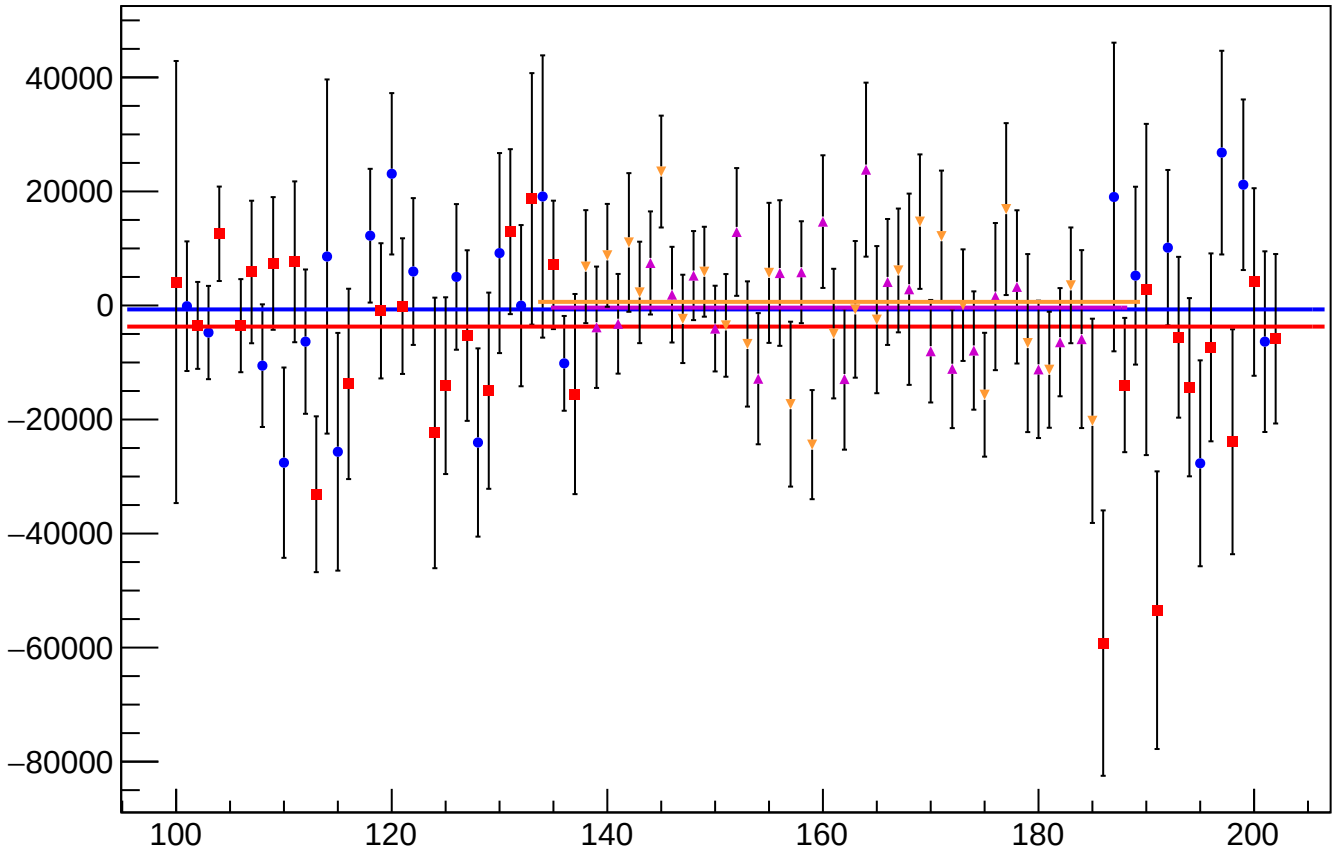
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2710.966+/-0.377 χ^2/NDF: 1182632.3/51

In: 2601.076+/-0.334 χ^2/NDF:691129.6/45

Out: 2607.661+/-0.320 χ^2/NDF:805862.5/53

All: 2604.504+/-0.231 χ^2/NDF: 1497194.5/99



Right In: -691.542+/-2857.477 χ^2/NDF: 22.3/22

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3704.834+/-2526.265 χ^2/NDF: 28.9/28

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

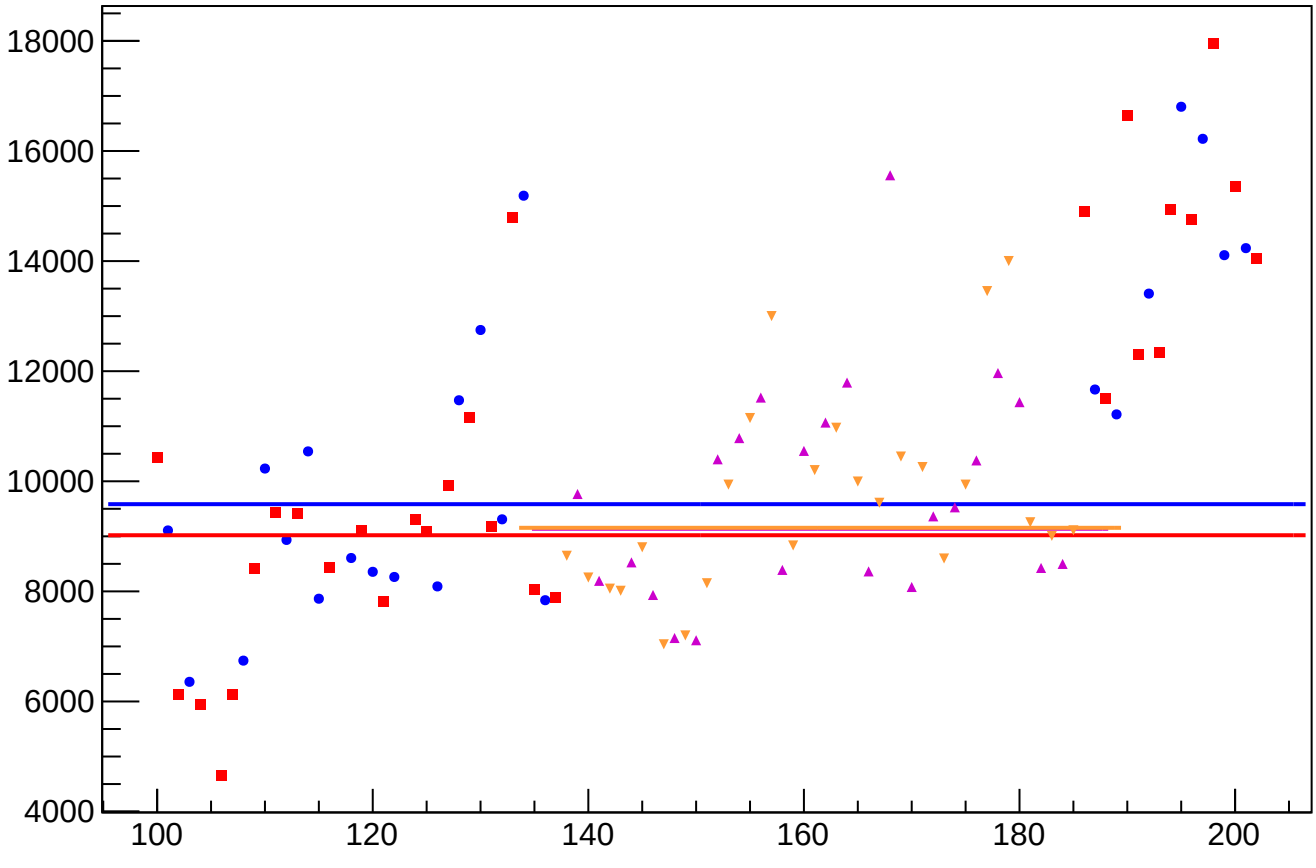
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2382.869+/-1892.658 χ^2/NDF: 51.9/51

In: -493.062+/-1731.364 χ^2/NDF:36.6/45

Out: -1163.541+/-1625.341 χ^2/NDF:57.3/53

All: -849.458+/-1185.000 χ^2/NDF: 94.0/99



Right In: 9584.160+/-2.021 χ^2/NDF: 1980657.4/22

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9019.830+/-1.786 χ^2/NDF: 3444634.5/28

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

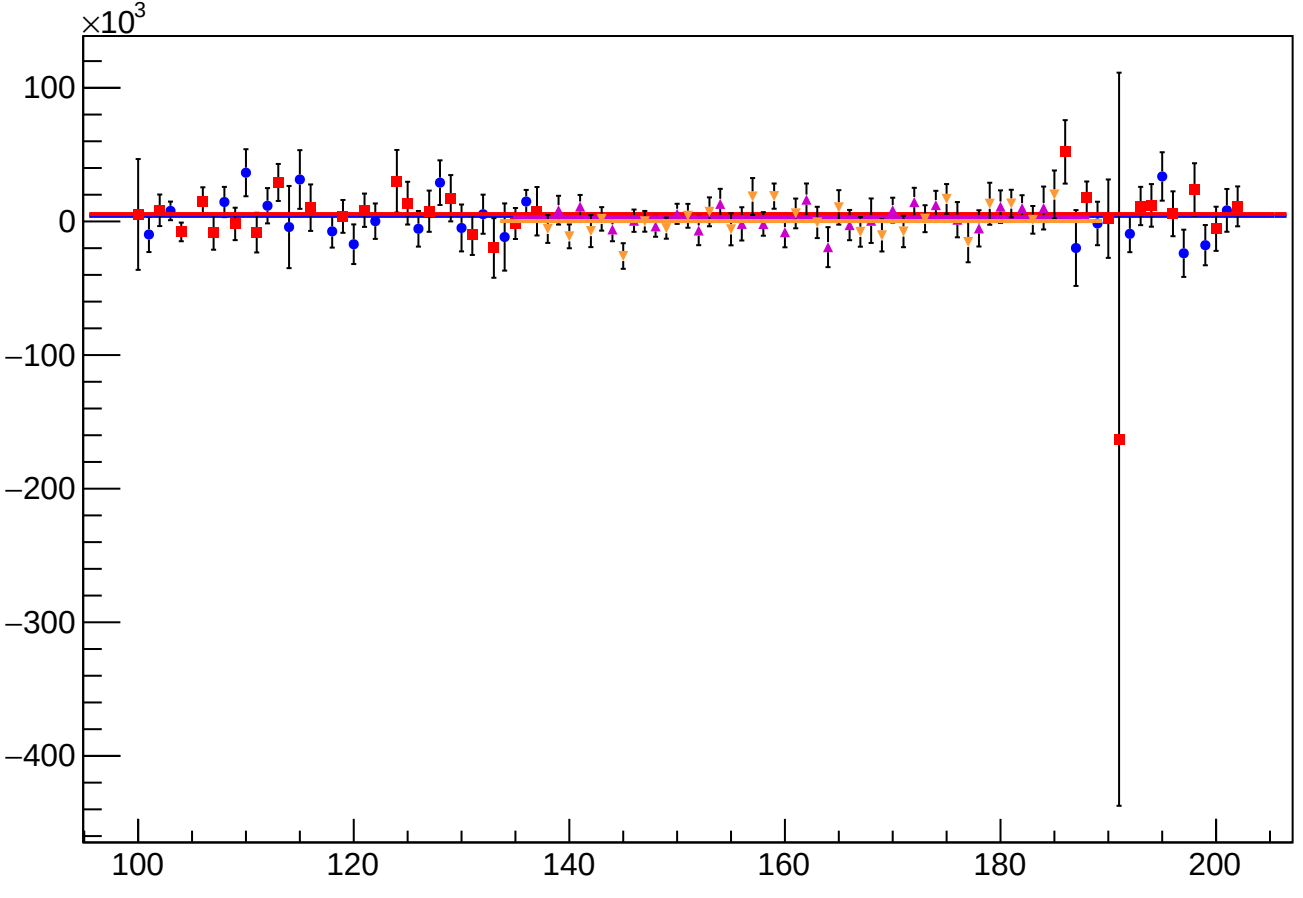
Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

Right: 9267.408+/-1.338 χ^2/NDF: 5469076.1/51

In: 9301.536+/-1.224 χ^2/NDF:3184368.0/45

Out: 9098.874+/-1.149 χ^2/NDF:4520051.3/53

All: 9193.810+/-0.838 χ^2/NDF: 7718985.5/99



Right In: 4173.553+/-2884.888 χ^2/NDF: 24.7/22

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5537.626+/-2681.330 χ^2/NDF: 21.6/28

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

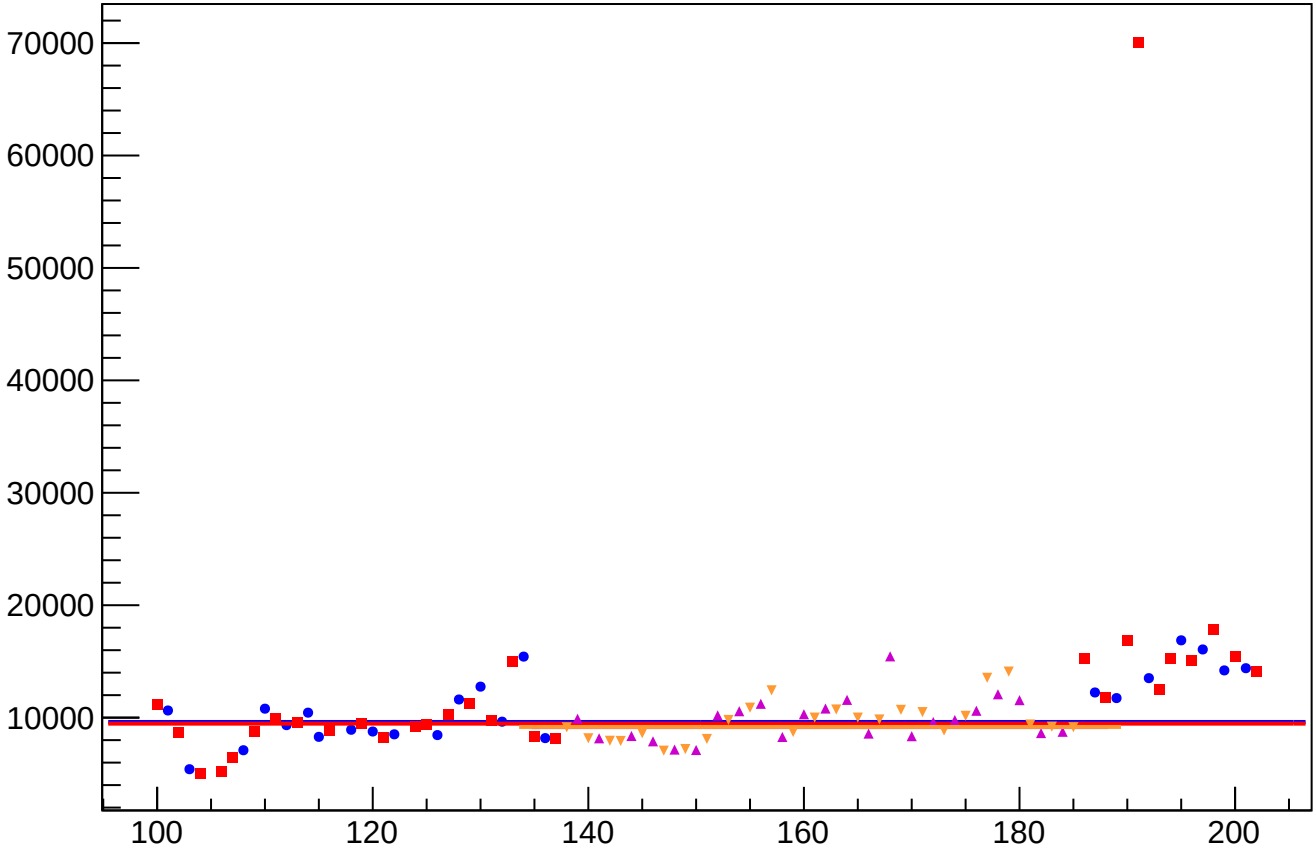
Right: 4905.407+/-1964.010 χ^2/NDF: 46.4/51

In: 3575.259+/-1739.183 χ^2/NDF:38.3/45

Out: 2317.976+/-1665.592 χ^2/NDF:50.2/53

All: 2919.455+/-1202.927 χ^2/NDF: 88.8/99

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9614.964+/-2.040 χ^2/NDF: 2316514.5/22

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9466.118+/-1.896 χ^2/NDF: 3321423.5/28

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

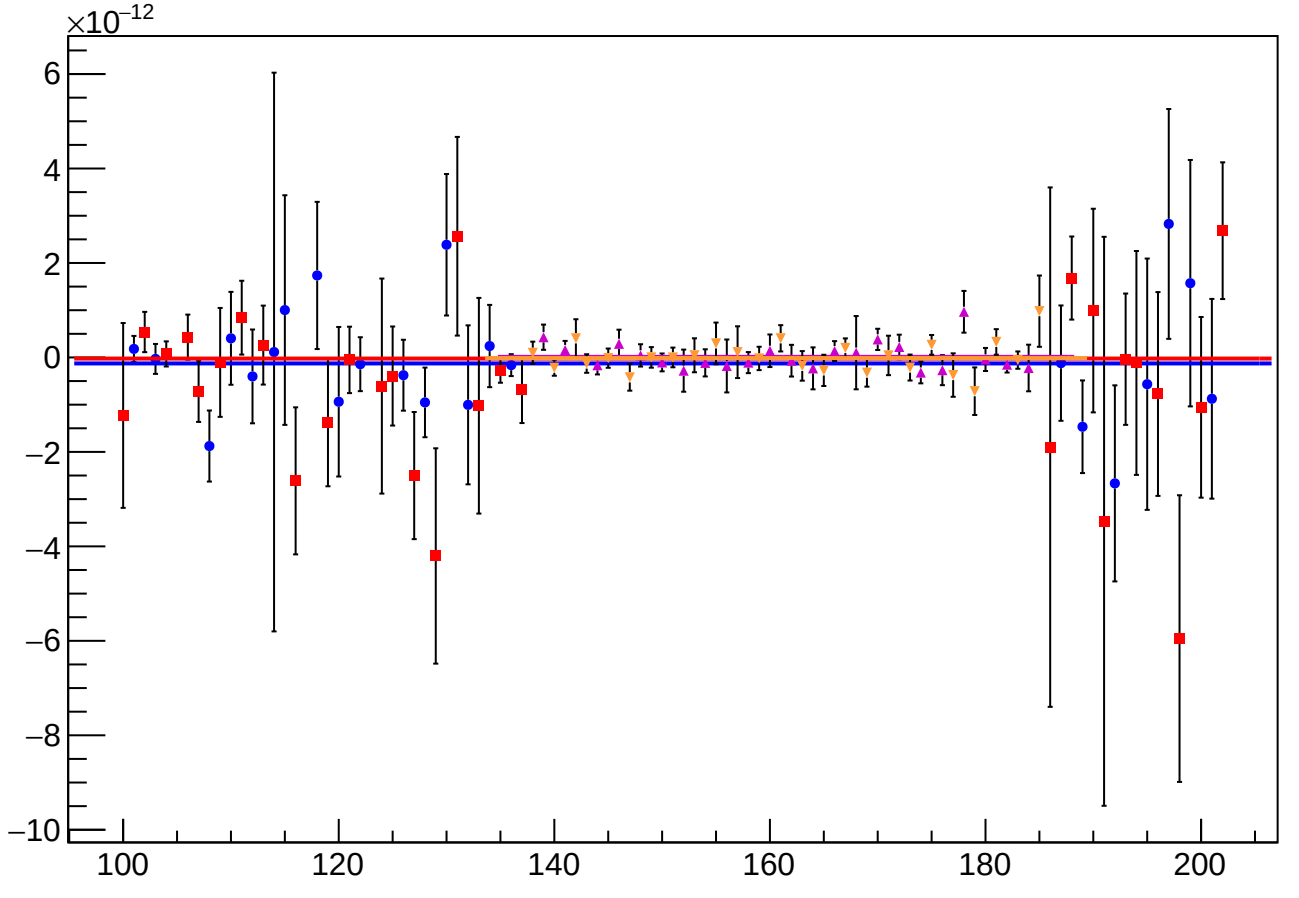
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9535.103+/-1.389 χ^2/NDF: 5640794.5/51

In: 9326.801+/-1.230 χ^2/NDF:3475395.9/45

Out: 9286.001+/-1.178 χ^2/NDF:4393066.6/53

All: 9305.519+/-0.851 χ^2/NDF: 7869036.6/99



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/28

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

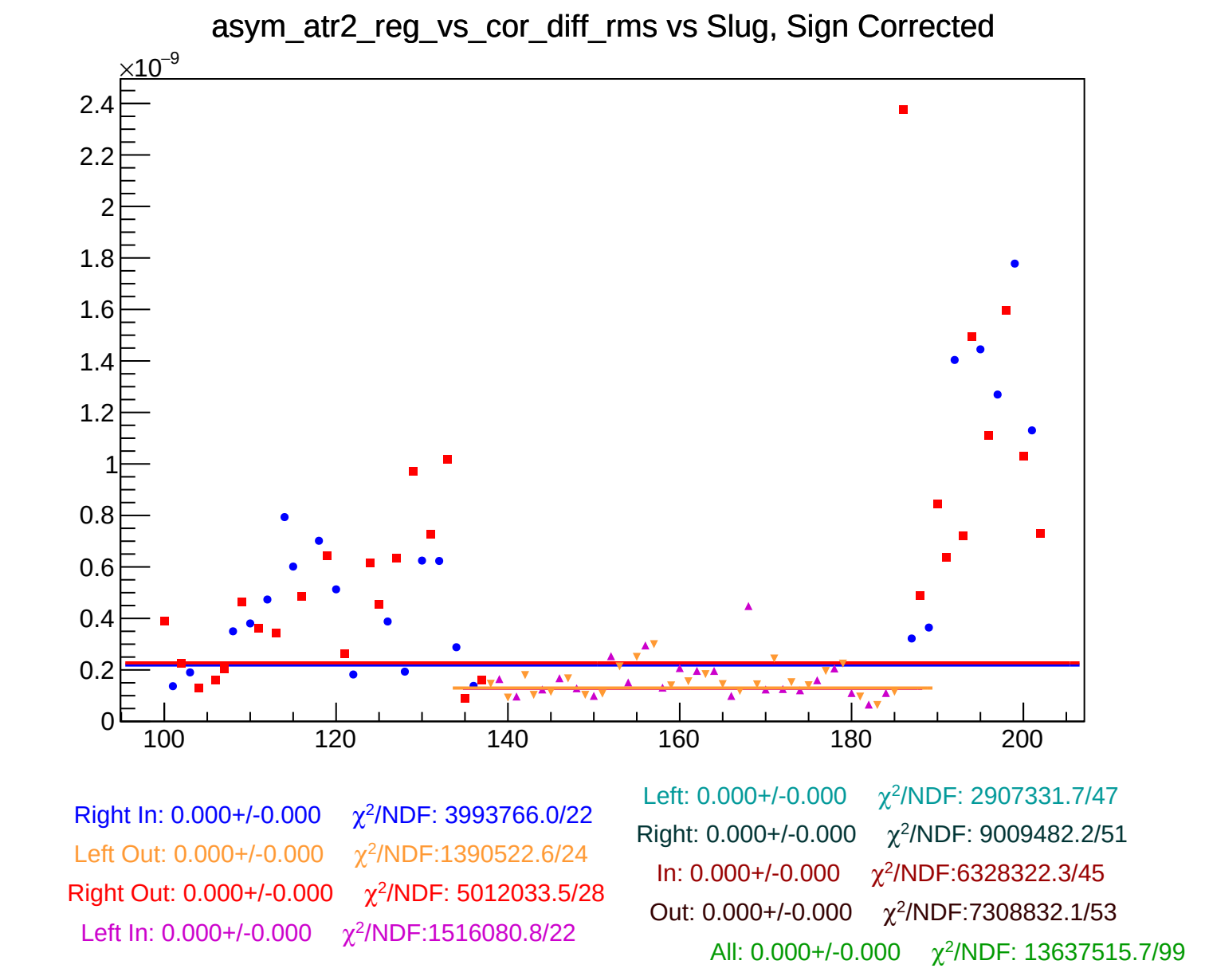
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

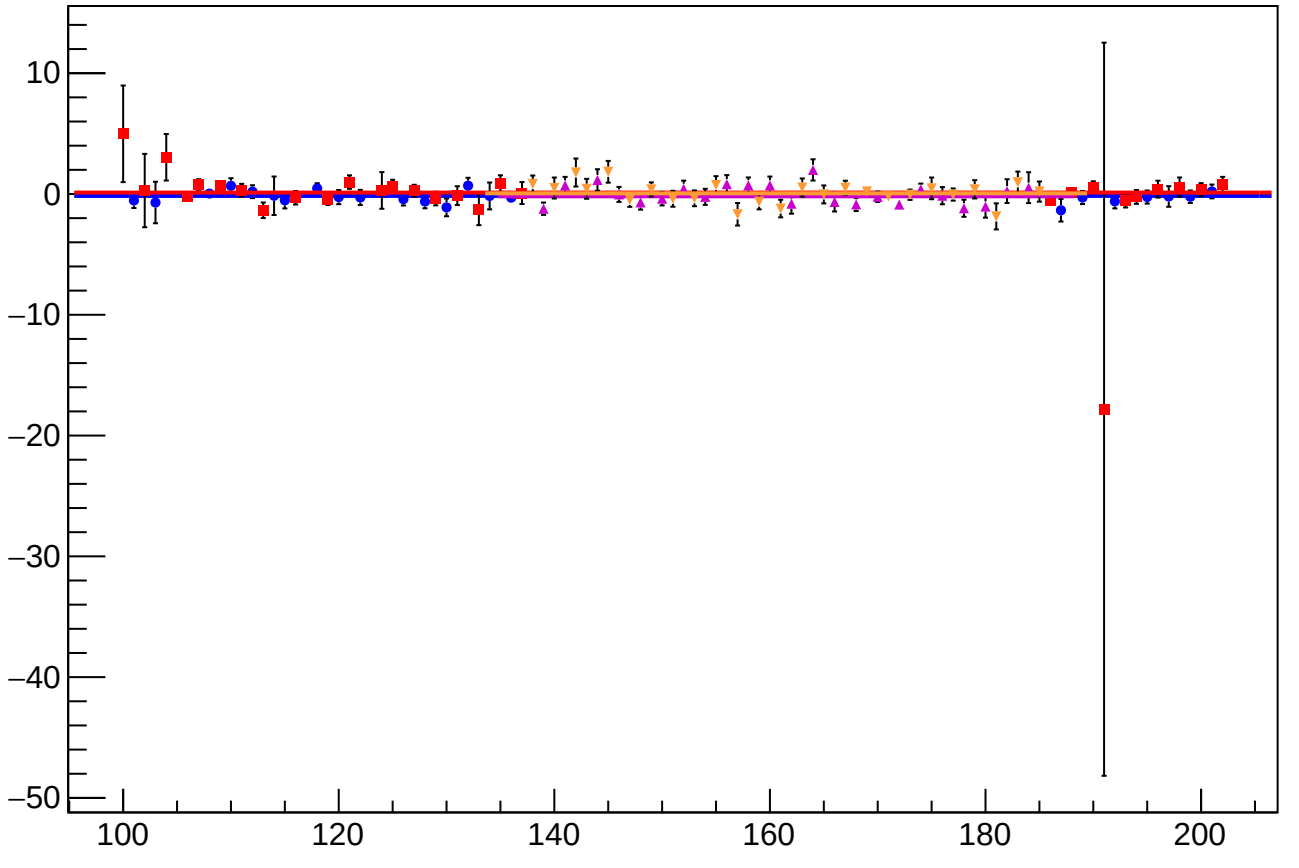
Right: -0.000+/-0.000 χ^2/NDF: 51.3/51

In: -0.000+/-0.000 χ^2/NDF:39.2/45

Out: -0.000+/-0.000 χ^2/NDF:51.3/53

All: -0.000+/-0.000 χ^2/NDF: 90.5/99


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3993766.0/22
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5012033.5/28
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 9009482.2/51
In: 0.000+/-0.000 χ²/NDF:6328322.3/45
Out: 0.000+/-0.000 χ²/NDF:7308832.1/53
All: 0.000+/-0.000 χ²/NDF: 13637515.7/99



Right In: -0.160+/-0.122 χ^2/NDF: 12.6/22

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.118+/-0.099 χ^2/NDF: 32.8/28

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

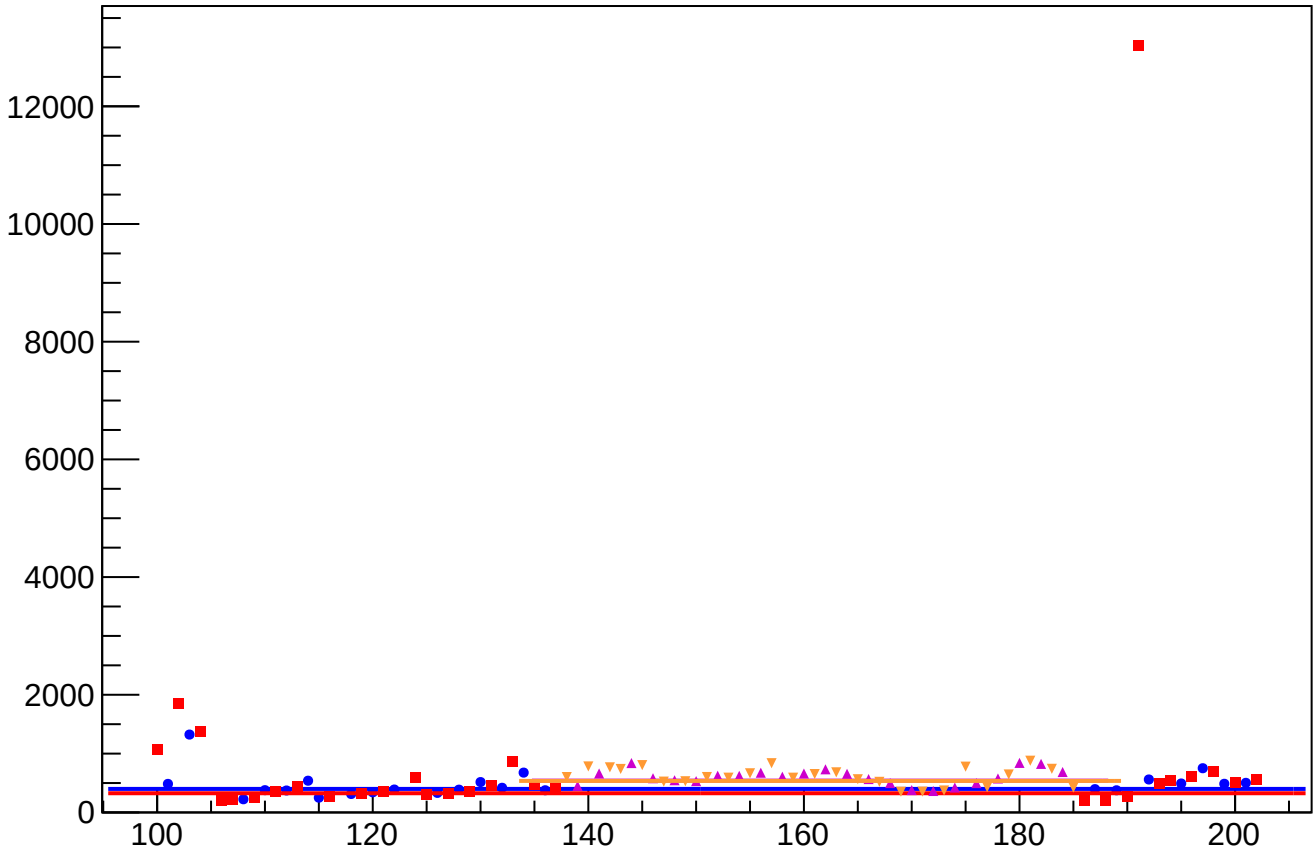
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.008+/-0.077 χ^2/NDF: 48.5/51

In: -0.174+/-0.090 χ^2/NDF:43.8/45

Out: 0.095+/-0.079 χ^2/NDF:57.6/53

All: -0.022+/-0.059 χ^2/NDF: 106.4/99



Right In: 400.167+/-0.086 χ^2/NDF: 2188715.4/22

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276684.8/28

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

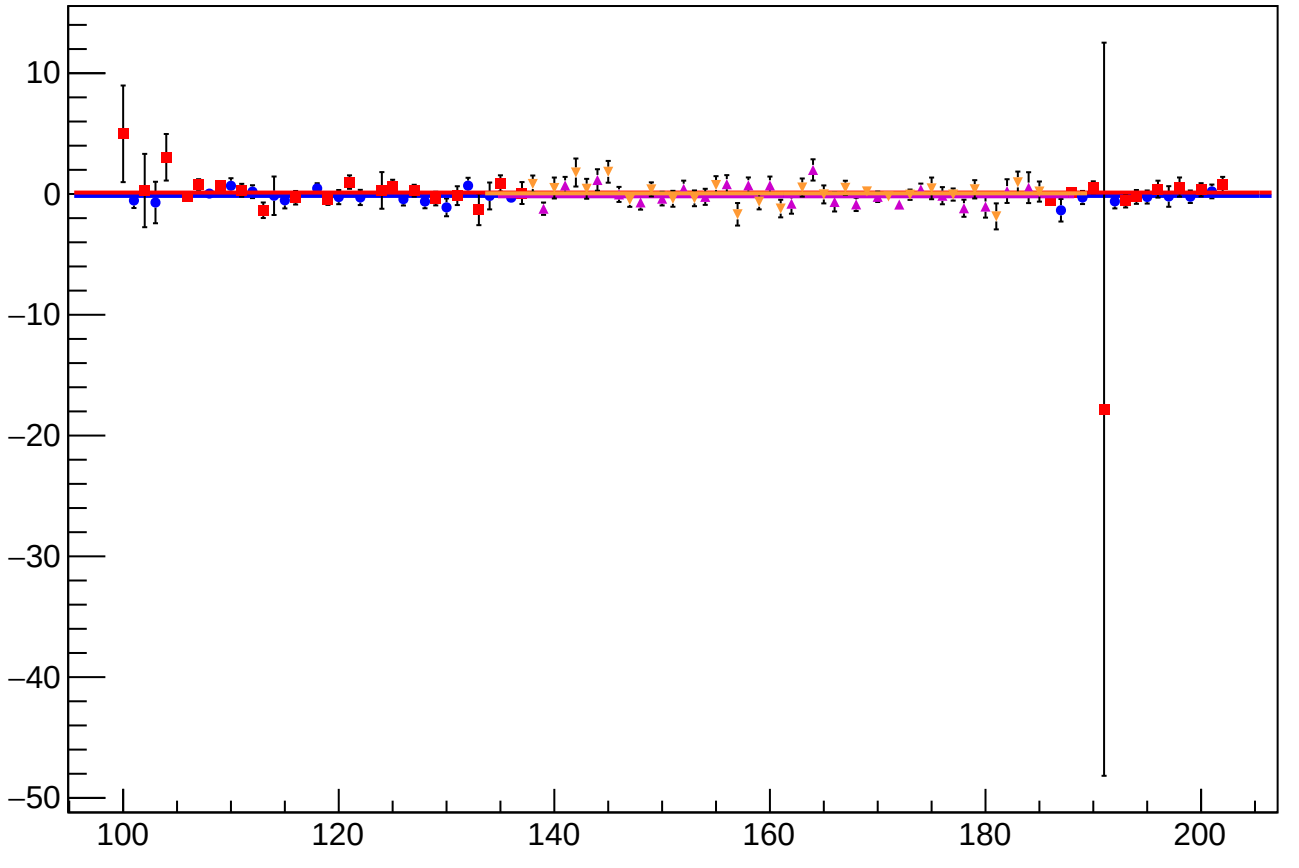
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 355.683+/-0.054 χ^2/NDF: 7903328.2/51

In: 464.545+/-0.064 χ^2/NDF:5303868.5/45

Out: 403.818+/-0.056 χ^2/NDF:11326408.1/53

All: 430.099+/-0.042 χ^2/NDF: 17145892.7/99



Right In: -0.160+/-0.122 χ^2/NDF: 12.6/22

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.118+/-0.099 χ^2/NDF: 32.8/28

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

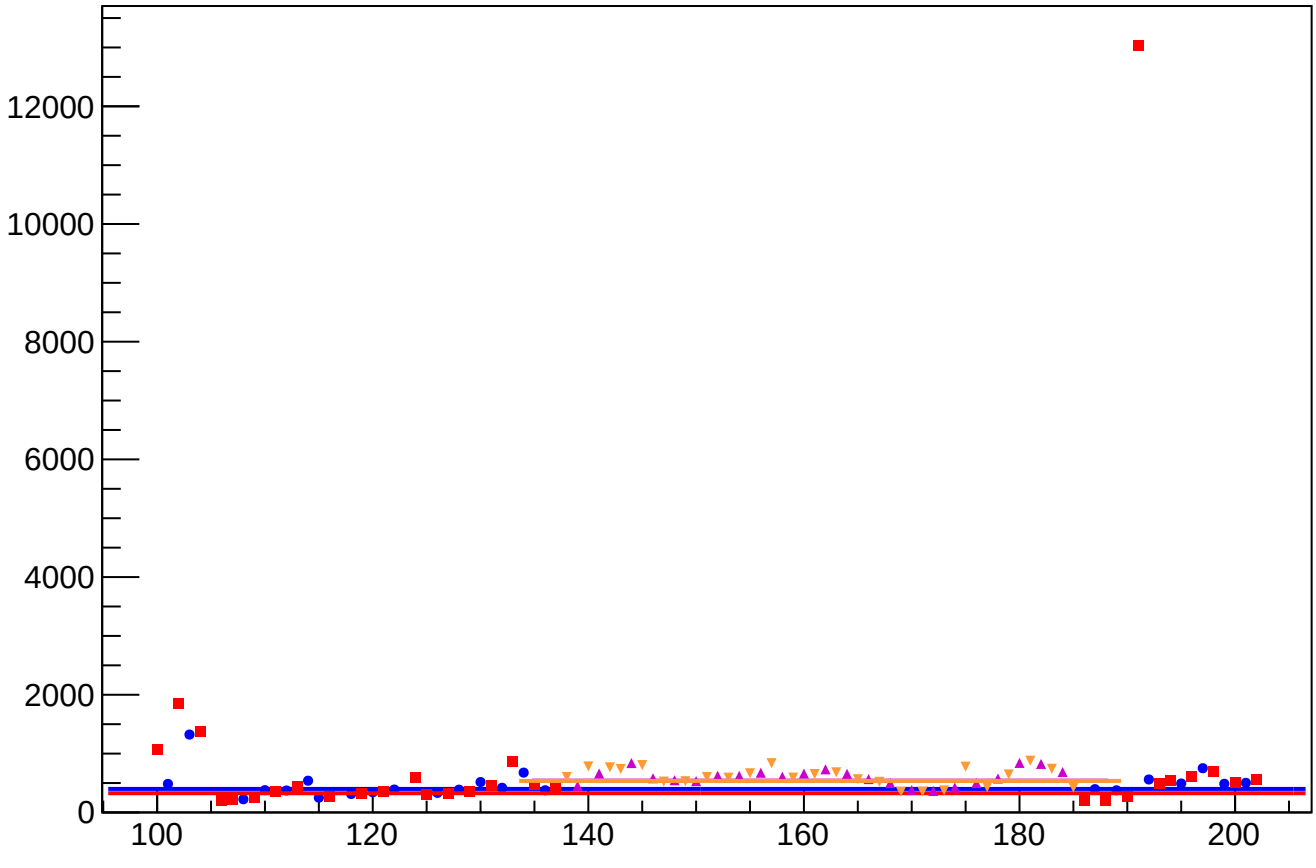
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.008+/-0.077 χ^2/NDF: 48.5/51

In: -0.174+/-0.090 χ^2/NDF:43.8/45

Out: 0.095+/-0.079 χ^2/NDF:57.6/53

All: -0.022+/-0.059 χ^2/NDF: 106.4/99



Right In: 400.167+/-0.086 χ^2/NDF: 2188715.4/22

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276684.8/28

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

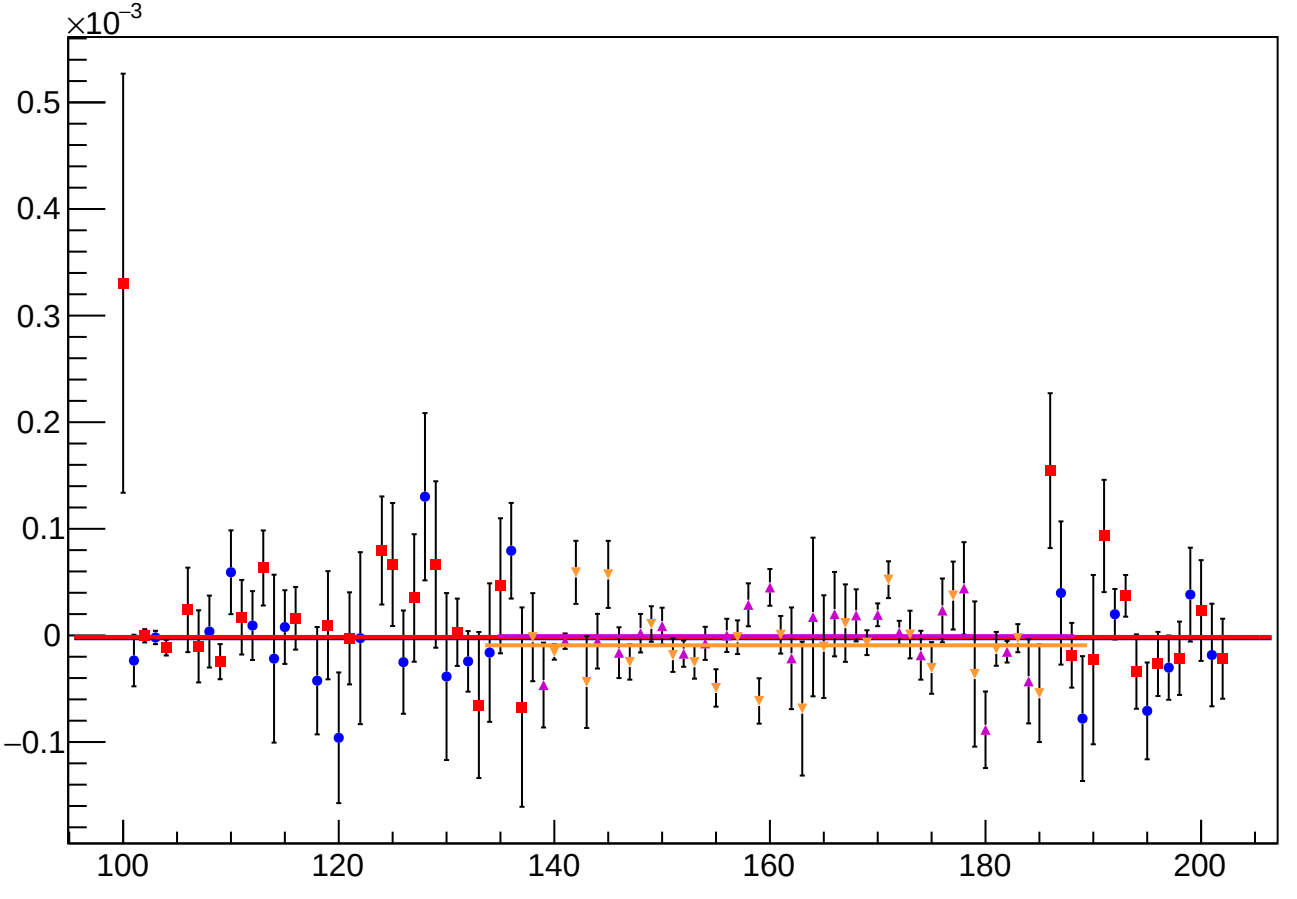
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 355.683+/-0.054 χ^2/NDF: 7903328.2/51

In: 464.545+/-0.064 χ^2/NDF:5303868.5/45

Out: 403.818+/-0.056 χ^2/NDF:11326408.1/53

All: 430.099+/-0.042 χ^2/NDF: 17145892.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/28

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

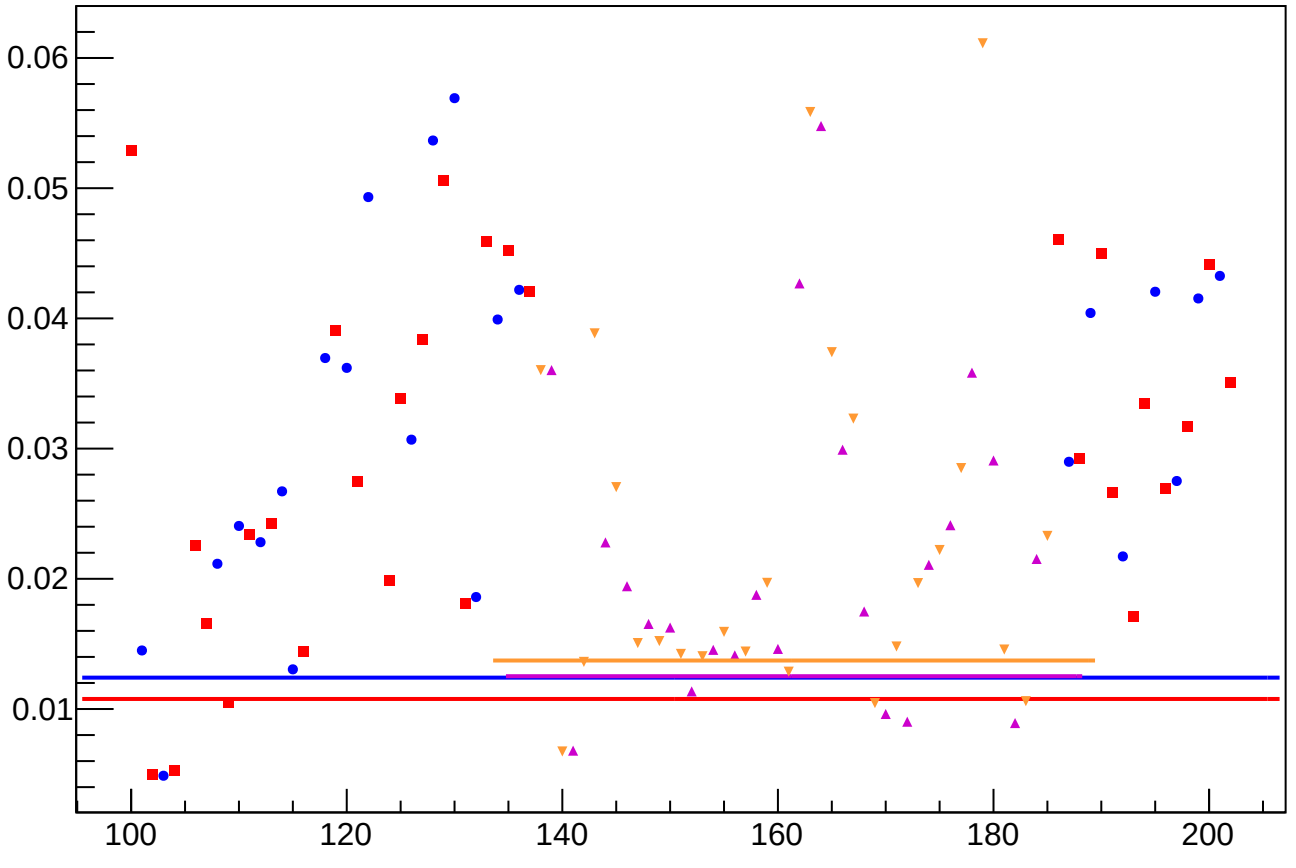
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.8/51

In: -0.000+/-0.000 χ^2/NDF:50.9/45

Out: -0.000+/-0.000 χ^2/NDF:80.2/53

All: -0.000+/-0.000 χ^2/NDF: 132.4/99



Right In: 0.012+/-0.000 χ^2/NDF: 11443051.0/22

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 13425916.4/28

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

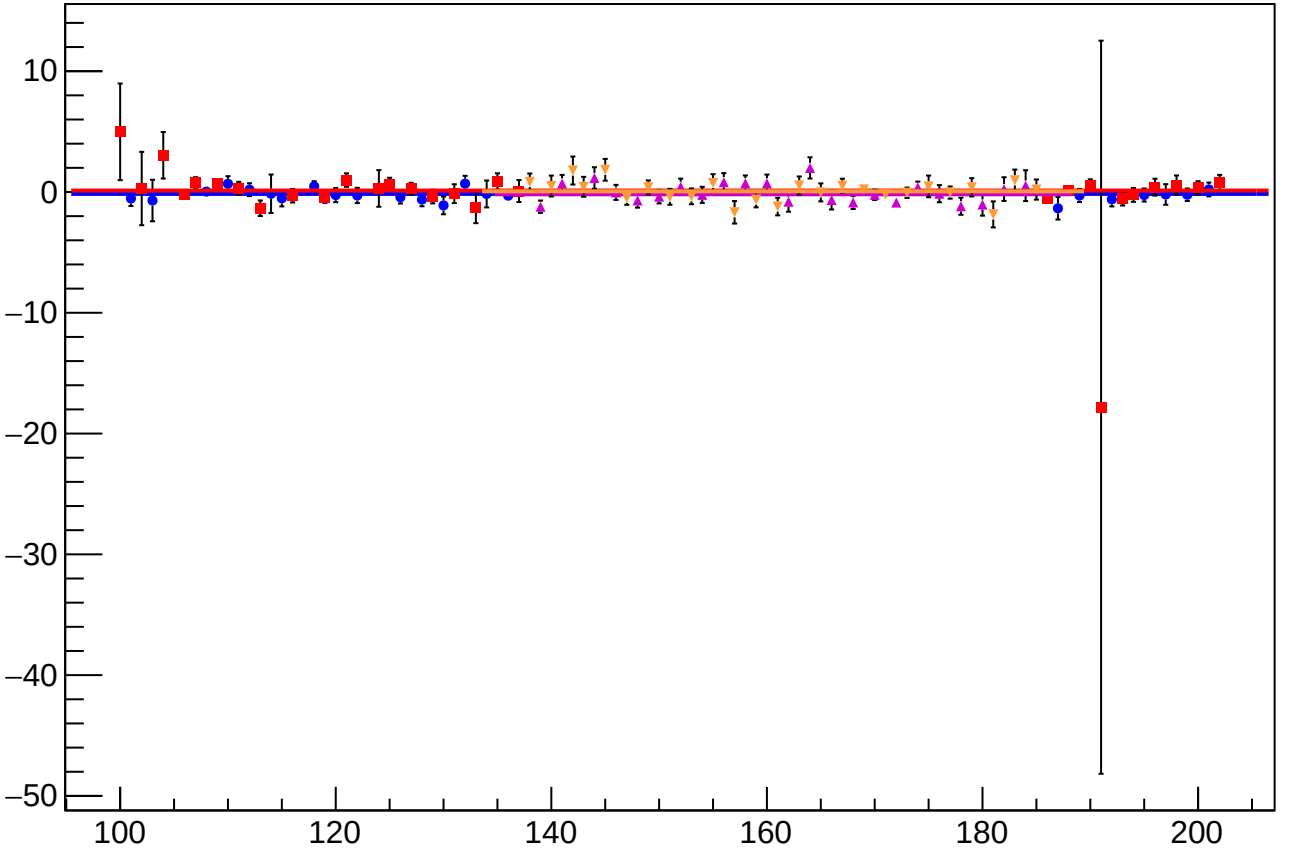
Right: 0.011+/-0.000 χ^2/NDF: 24999323.1/51

In: 0.012+/-0.000 χ^2/NDF:18565223.1/45

Out: 0.012+/-0.000 χ^2/NDF:21755203.0/53

All: 0.012+/-0.000 χ^2/NDF: 40321813.1/99

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.160+/-0.122 χ^2/NDF: 12.6/22

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.118+/-0.099 χ^2/NDF: 32.8/28

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

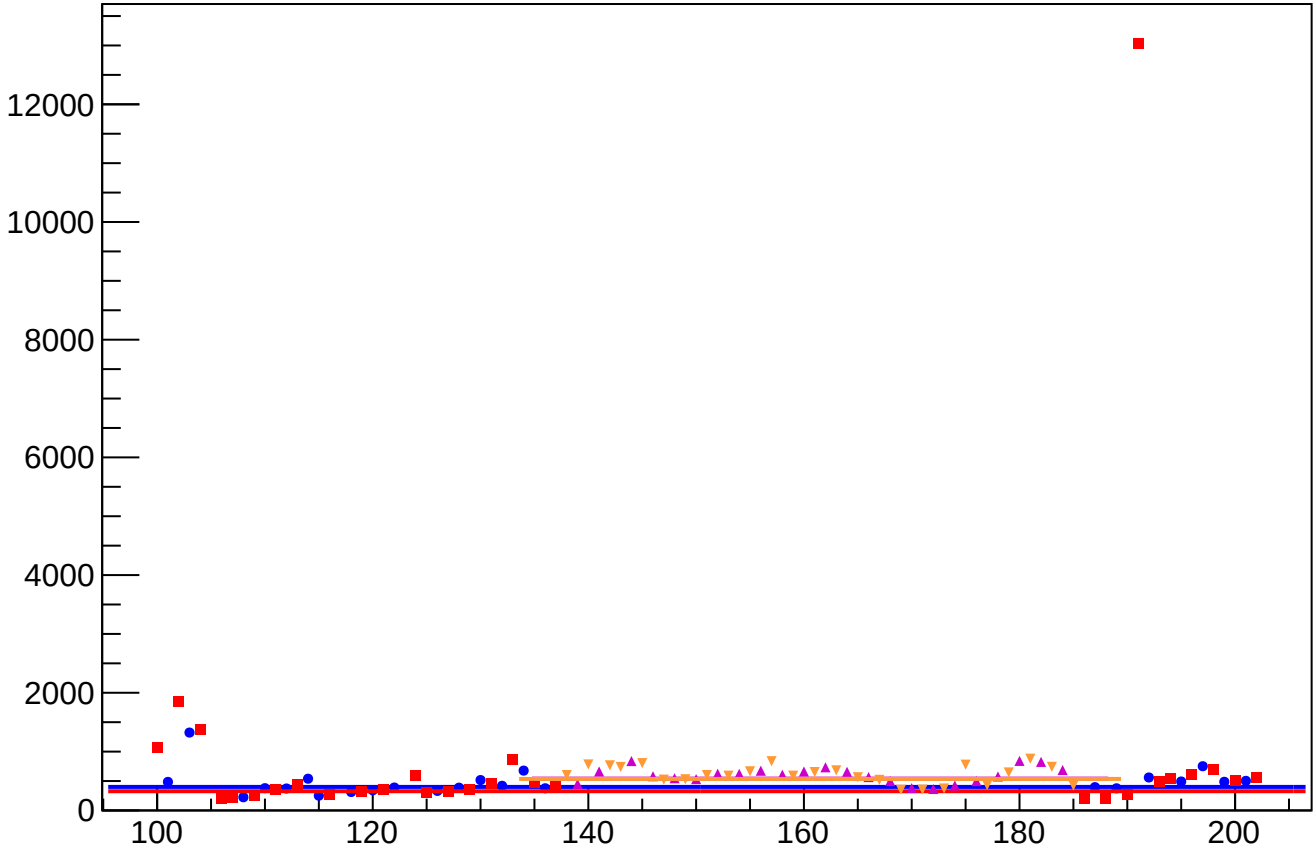
Right: 0.008+/-0.077 χ^2/NDF: 48.5/51

In: -0.174+/-0.090 χ^2/NDF:43.8/45

Out: 0.095+/-0.079 χ^2/NDF:57.6/53

All: -0.022+/-0.059 χ^2/NDF: 106.4/99

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 400.163+/-0.086 χ^2/NDF: 2188739.5/22

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276649.3/28

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

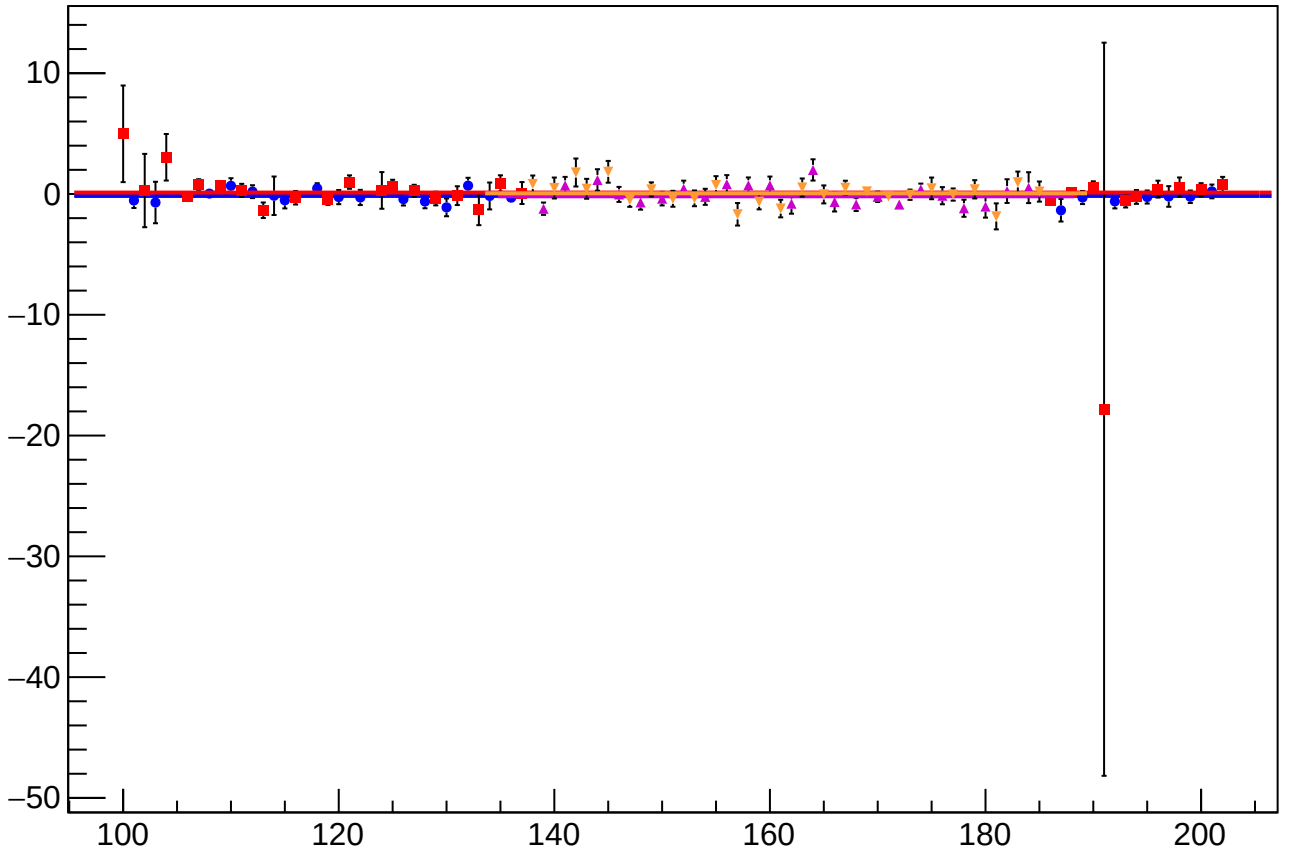
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 355.682+/-0.054 χ^2/NDF: 7903279.3/51

In: 464.544+/-0.064 χ^2/NDF:5304072.9/45

Out: 403.819+/-0.056 χ^2/NDF:11326558.4/53

All: 430.099+/-0.042 χ^2/NDF: 17146220.0/99



Right In: -0.160+/-0.122 χ^2/NDF: 12.6/22

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.118+/-0.099 χ^2/NDF: 32.8/28

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

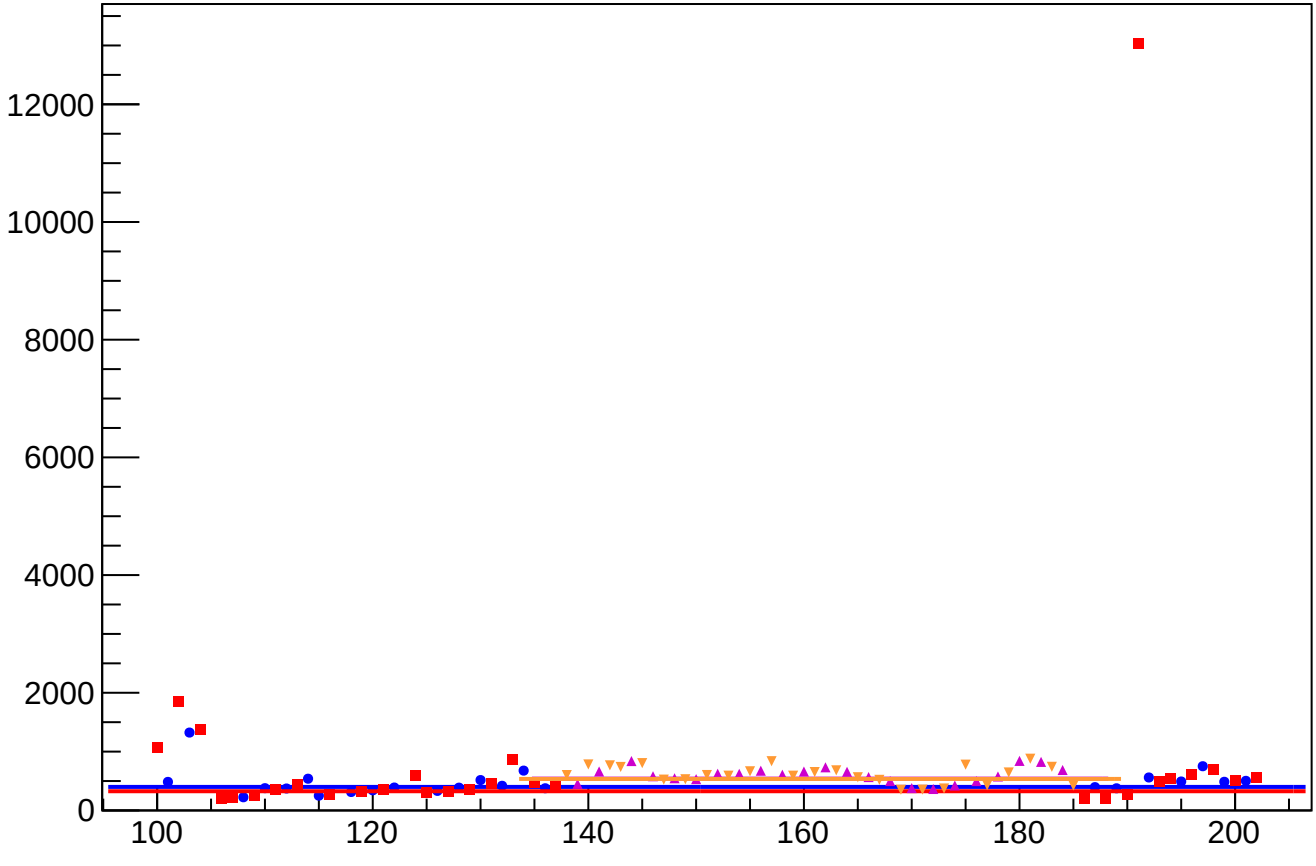
Right: 0.008+/-0.077 χ^2/NDF: 48.5/51

In: -0.174+/-0.090 χ^2/NDF:43.8/45

Out: 0.095+/-0.079 χ^2/NDF:57.6/53

All: -0.022+/-0.059 χ^2/NDF: 106.4/99

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 400.163+/-0.086 χ^2/NDF: 2188739.5/22

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276649.3/28

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

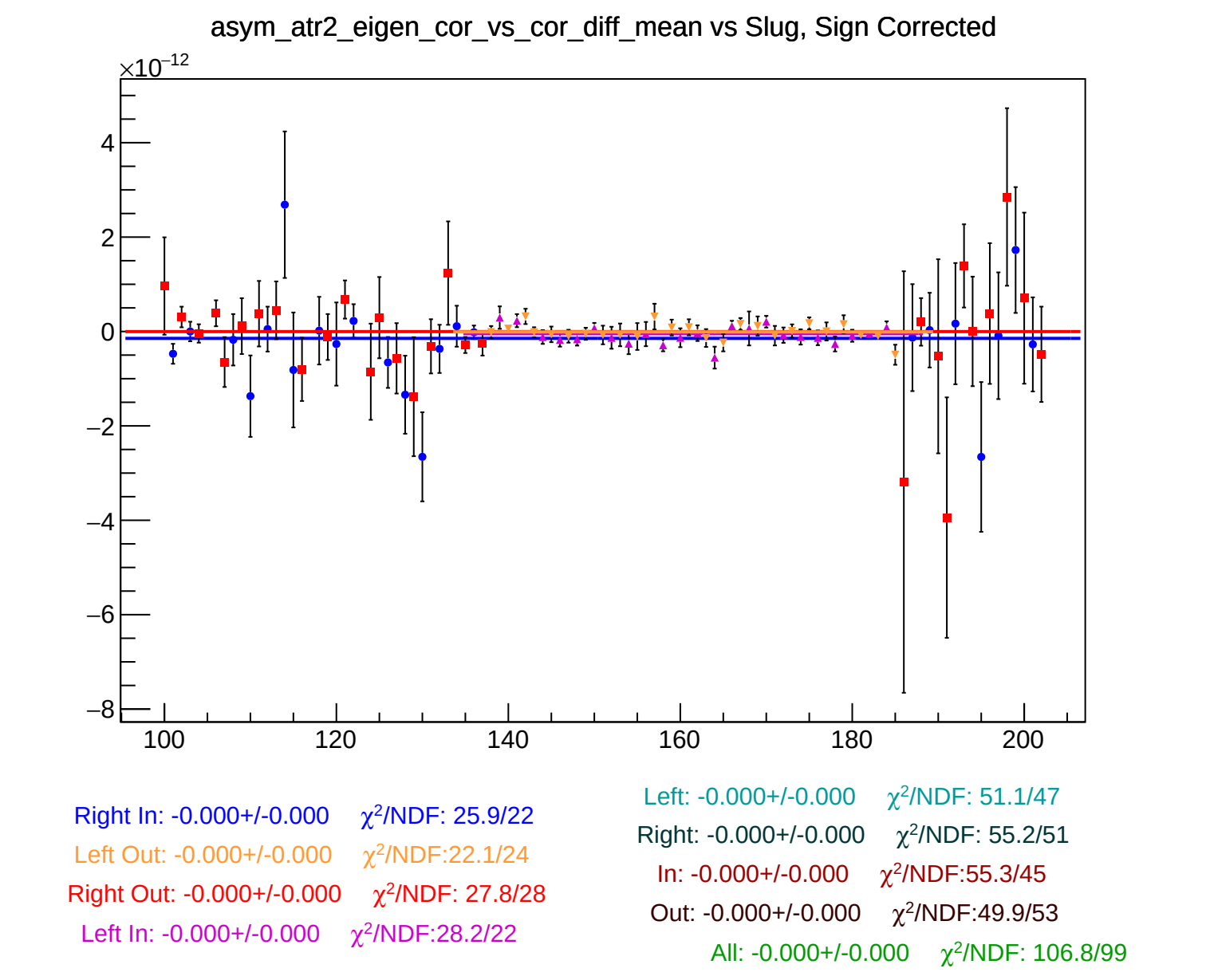
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

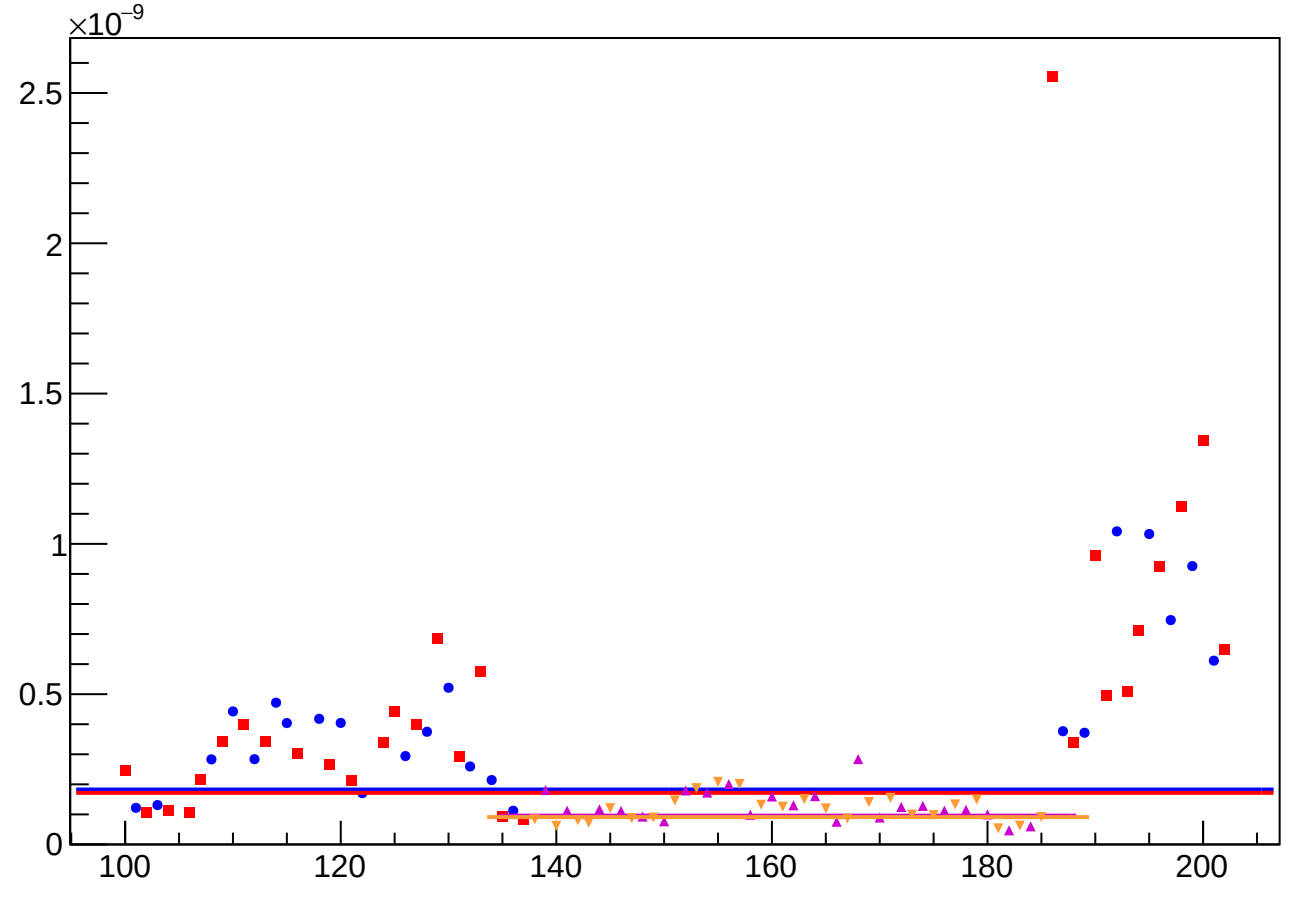
Right: 355.682+/-0.054 χ^2/NDF: 7903279.3/51

In: 464.544+/-0.064 χ^2/NDF:5304072.9/45

Out: 403.819+/-0.056 χ^2/NDF:11326558.4/53

All: 430.099+/-0.042 χ^2/NDF: 17146220.0/99


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
Right In: -0.000+/-0.000 χ²/NDF: 25.9/22
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/28
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: 55.2/51
In: -0.000+/-0.000 χ²/NDF:55.3/45
Out: -0.000+/-0.000 χ²/NDF:49.9/53
All: -0.000+/-0.000 χ²/NDF: 106.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 5090132.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7140243.9/28

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

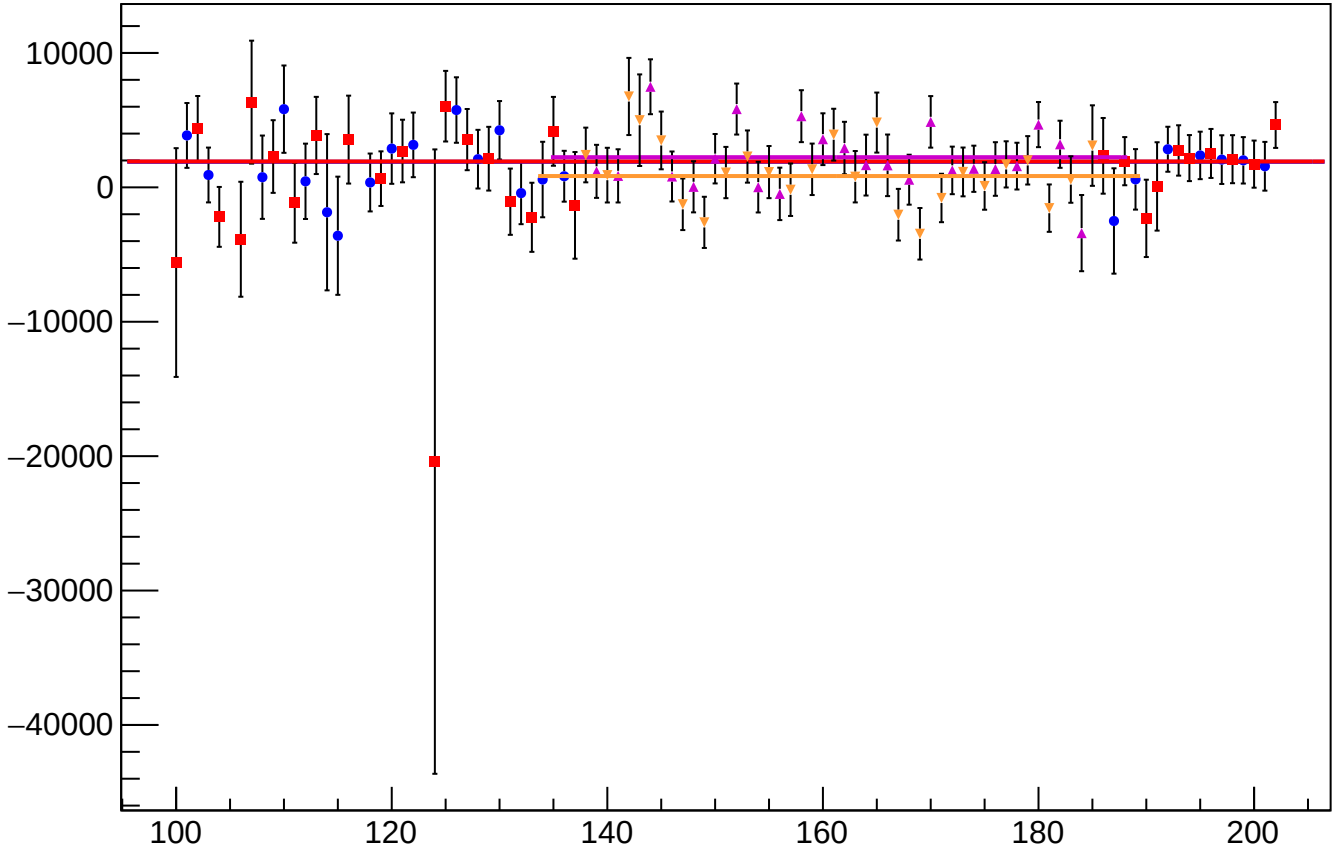
Right: 0.000+/-0.000 χ^2/NDF: 12247737.7/51

In: 0.000+/-0.000 χ^2/NDF:10848491.8/45

Out: 0.000+/-0.000 χ^2/NDF:12283097.1/53

All: 0.000+/-0.000 χ^2/NDF: 23173384.9/99

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1903.889+/-475.610 χ^2/NDF: 12.9/22

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1926.567+/-447.889 χ^2/NDF: 25.0/28

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

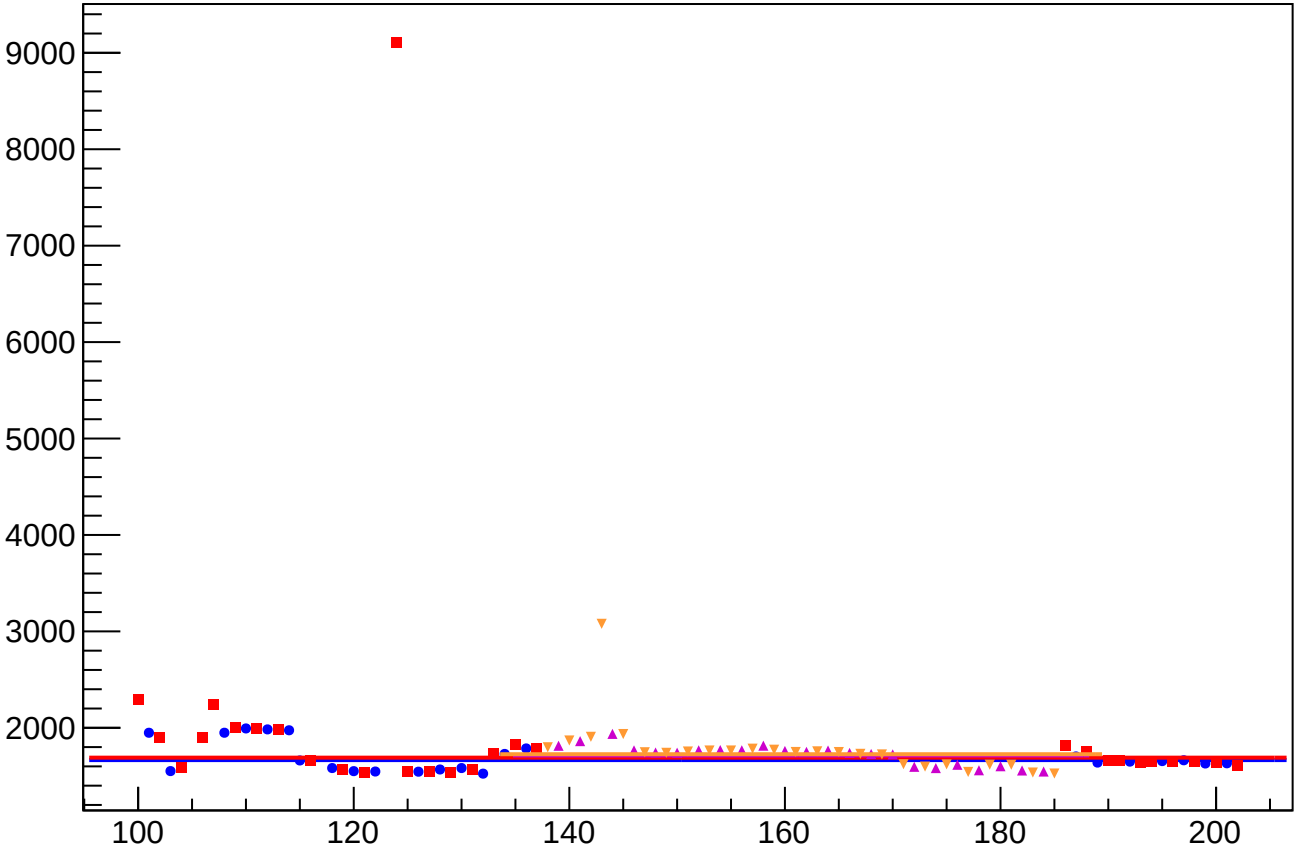
Right: 1915.908+/-326.065 χ^2/NDF: 38.0/51

In: 2103.394+/-306.465 χ^2/NDF:42.6/45

Out: 1315.504+/-296.016 χ^2/NDF:58.7/53

All: 1695.789+/-212.913 χ^2/NDF: 104.8/99

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1665.175+/-0.336 χ^2/NDF: 144587.6/22

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1690.475+/-0.316 χ^2/NDF: 404058.4/28

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

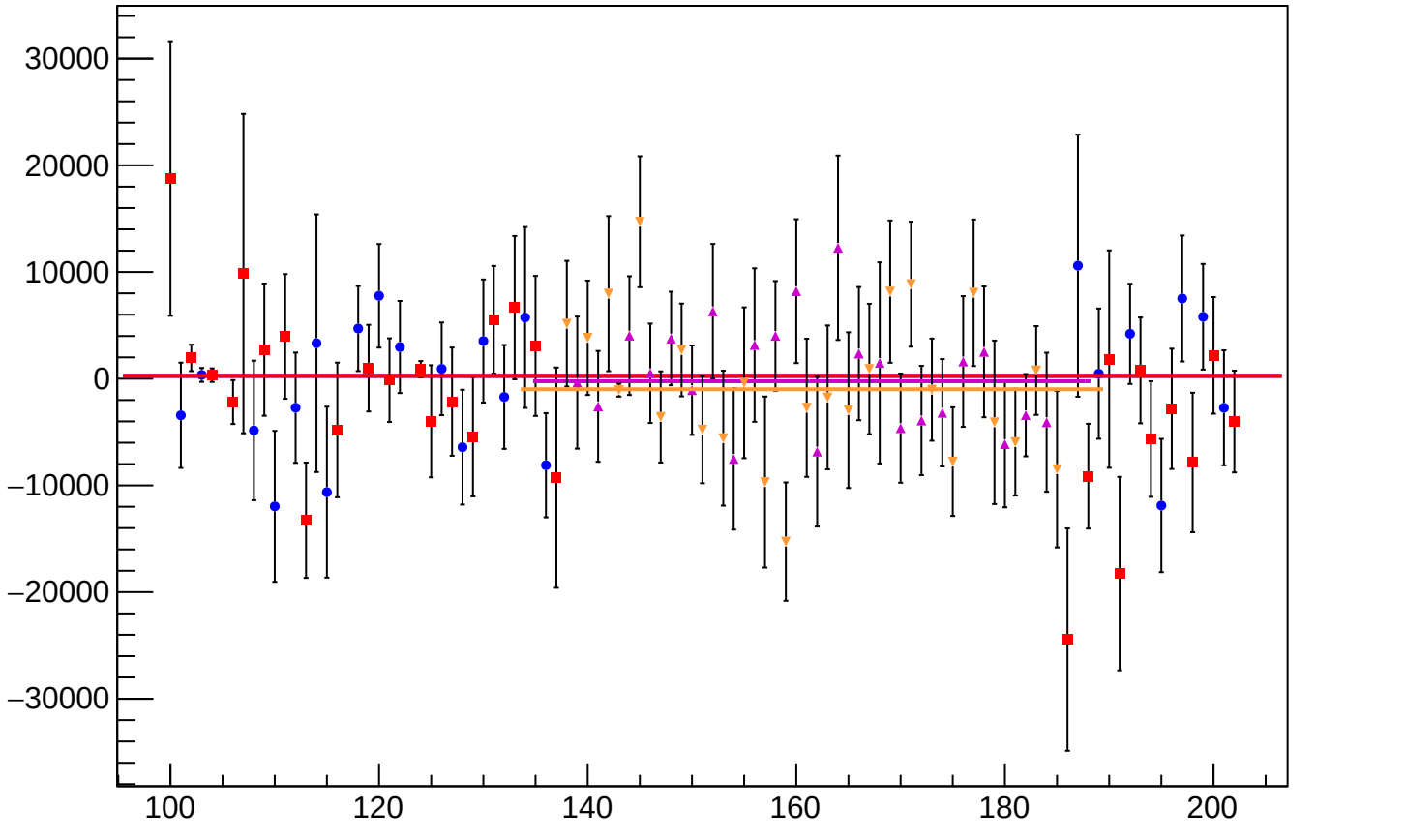
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1678.613+/-0.230 χ^2/NDF: 551651.9/51

In: 1693.234+/-0.217 χ^2/NDF:285781.4/45

Out: 1710.475+/-0.209 χ^2/NDF:866117.1/53

All: 1702.162+/-0.150 χ^2/NDF: 1155176.2/99



Right In: 263.716+/-571.147 χ^2/NDF: 24.1/22

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 265.032+/-414.462 χ^2/NDF: 36.4/28

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

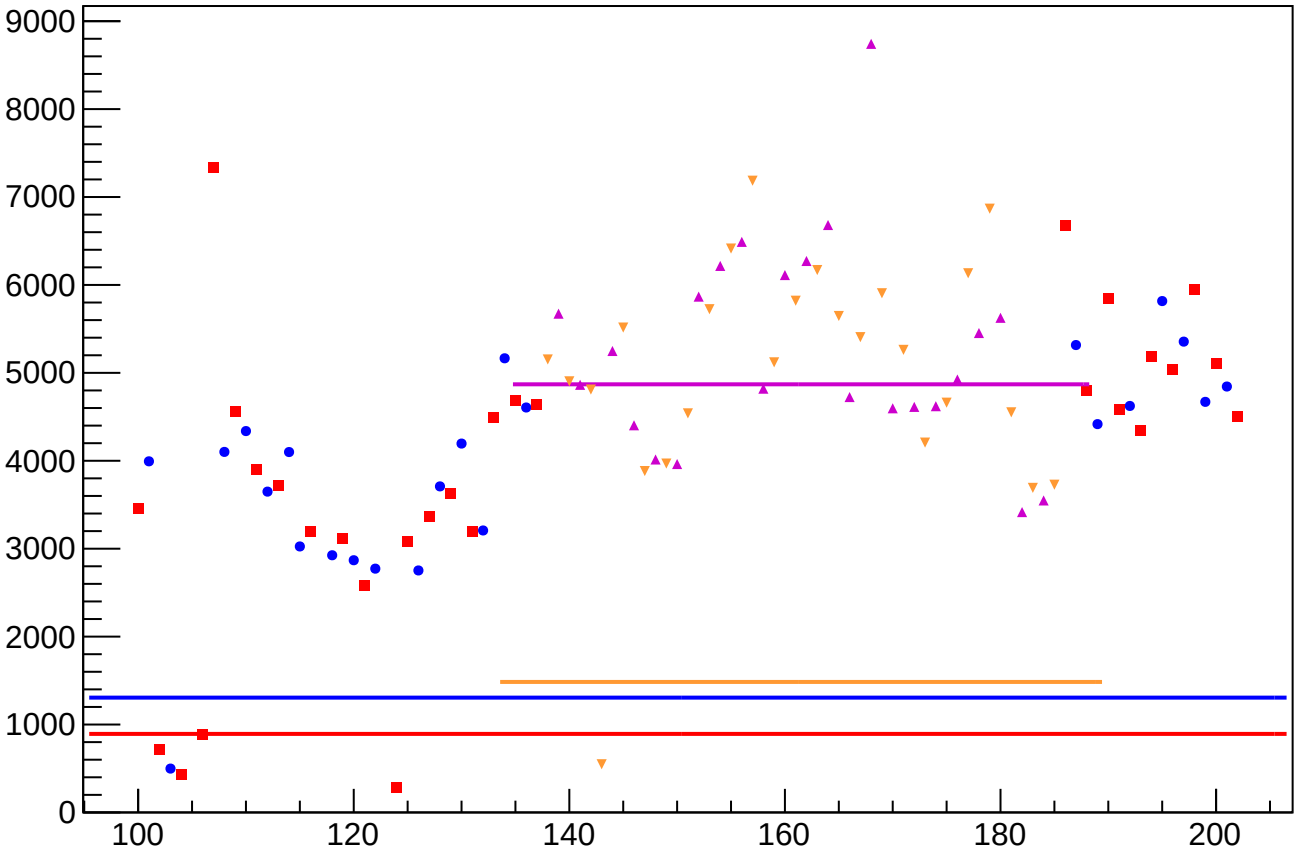
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 264.578+/-335.446 χ^2/NDF: 60.5/51

In: 166.195+/-512.837 χ^2/NDF:37.8/45

Out: -197.987+/-329.065 χ^2/NDF:70.6/53

All: -91.775+/-276.954 χ^2/NDF: 108.7/99



Right In: 1306.100+/-0.404 χ^2/NDF: 14007447.1/22

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 893.481+/-0.293 χ^2/NDF: 18619641.2/28

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

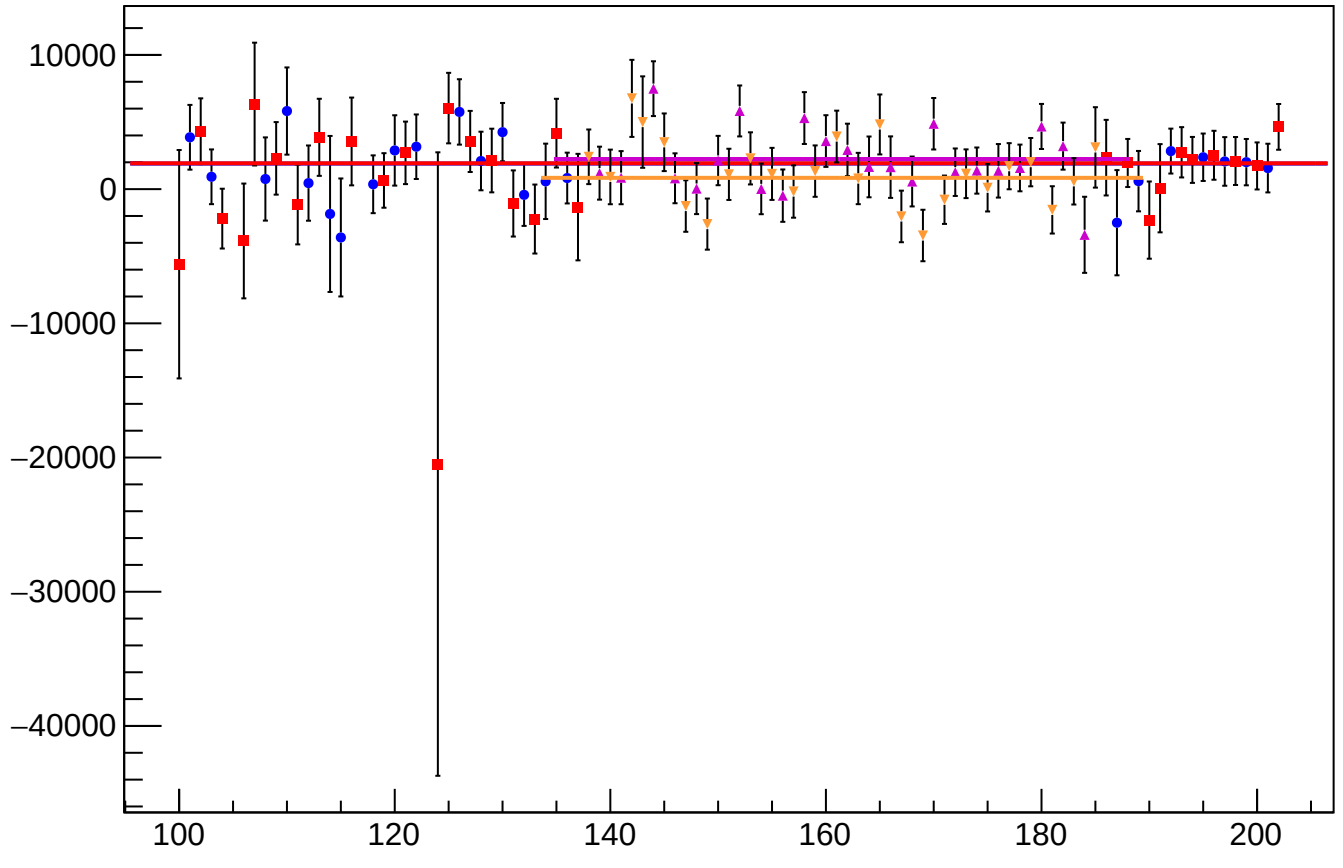
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1035.812+/-0.237 χ^2/NDF: 33310857.3/51

In: 1996.597+/-0.363 χ^2/NDF:30568069.7/45

Out: 1111.963+/-0.233 χ^2/NDF:43348159.6/53

All: 1369.963+/-0.196 χ^2/NDF: 78131729.2/9



Right In: 1903.974+/-475.610 χ^2/NDF: 12.9/22

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1925.385+/-447.891 χ^2/NDF: 25.0/28

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

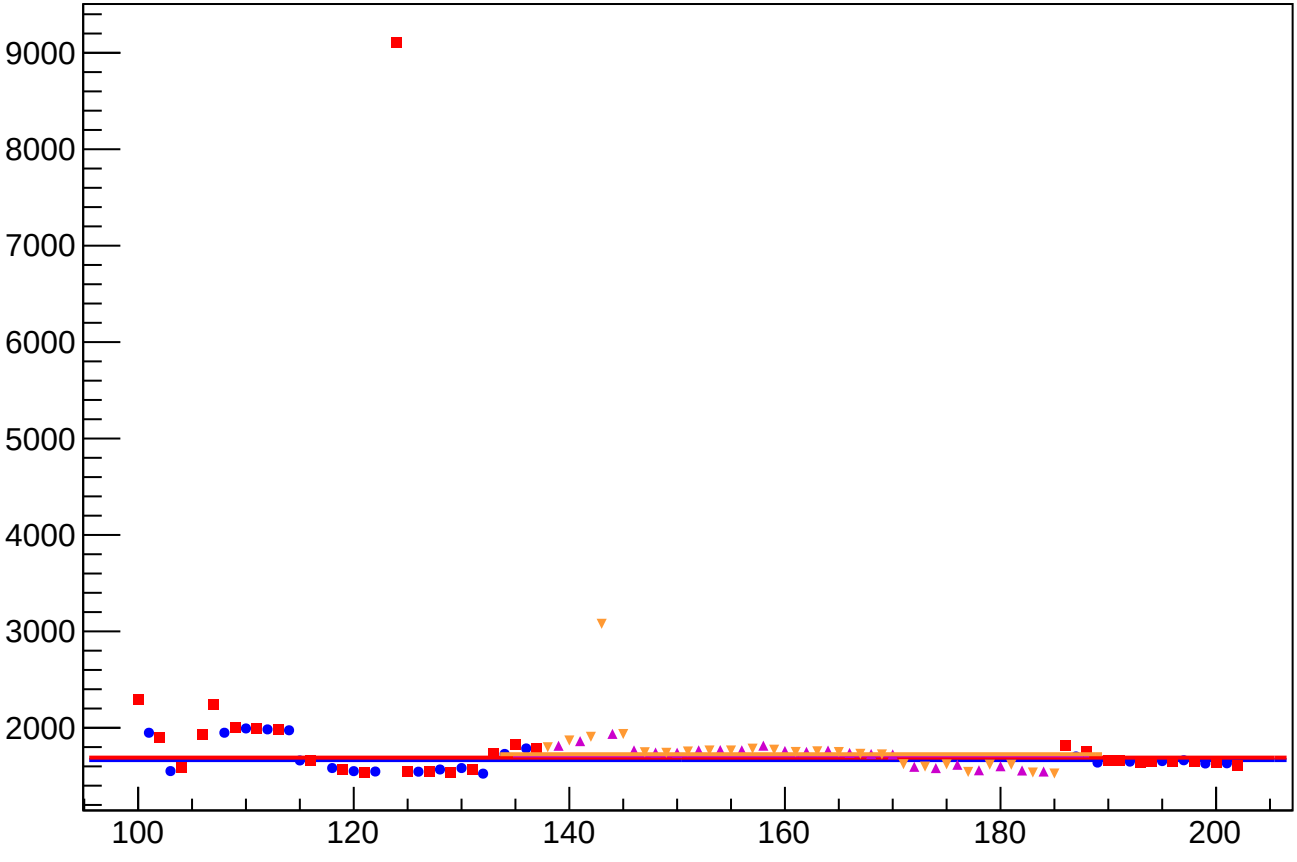
Right: 1915.322+/-326.066 χ^2/NDF: 37.9/51

In: 2103.441+/-306.465 χ^2/NDF:42.6/45

Out: 1314.982+/-296.016 χ^2/NDF:58.7/53

All: 1695.542+/-212.913 χ^2/NDF: 104.8/99

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1665.175+/-0.336 χ^2/NDF: 144587.6/22

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1690.869+/-0.316 χ^2/NDF: 406026.6/28

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

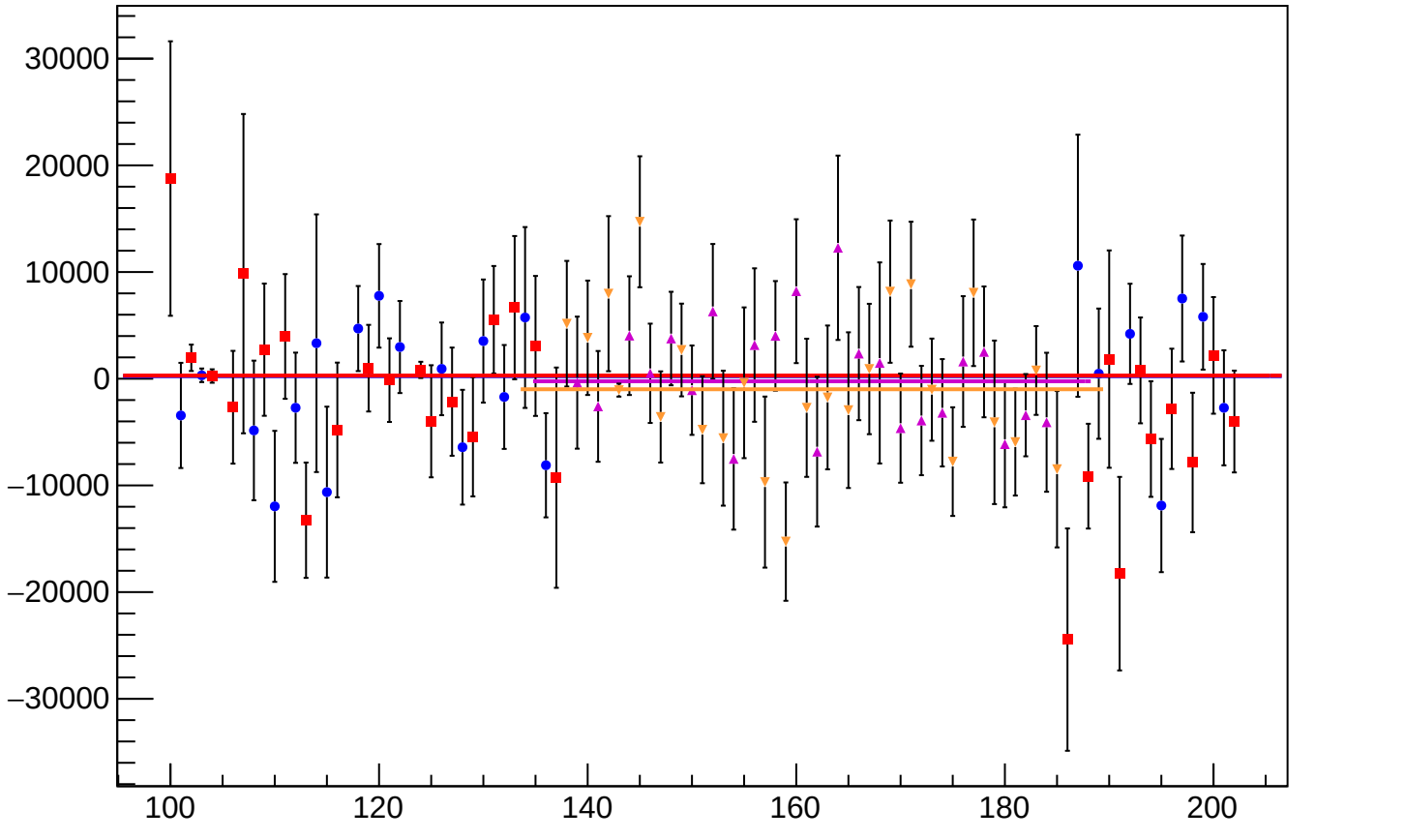
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1678.819+/-0.230 χ^2/NDF: 553713.9/51

In: 1693.234+/-0.217 χ^2/NDF:285781.4/45

Out: 1710.652+/-0.209 χ^2/NDF:867926.4/53

All: 1702.253+/-0.150 χ^2/NDF: 1157052.9/99



Right In: 239.753+/-560.101 χ^2/NDF: 24.1/22

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 296.674+/-419.880 χ^2/NDF: 35.1/28

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

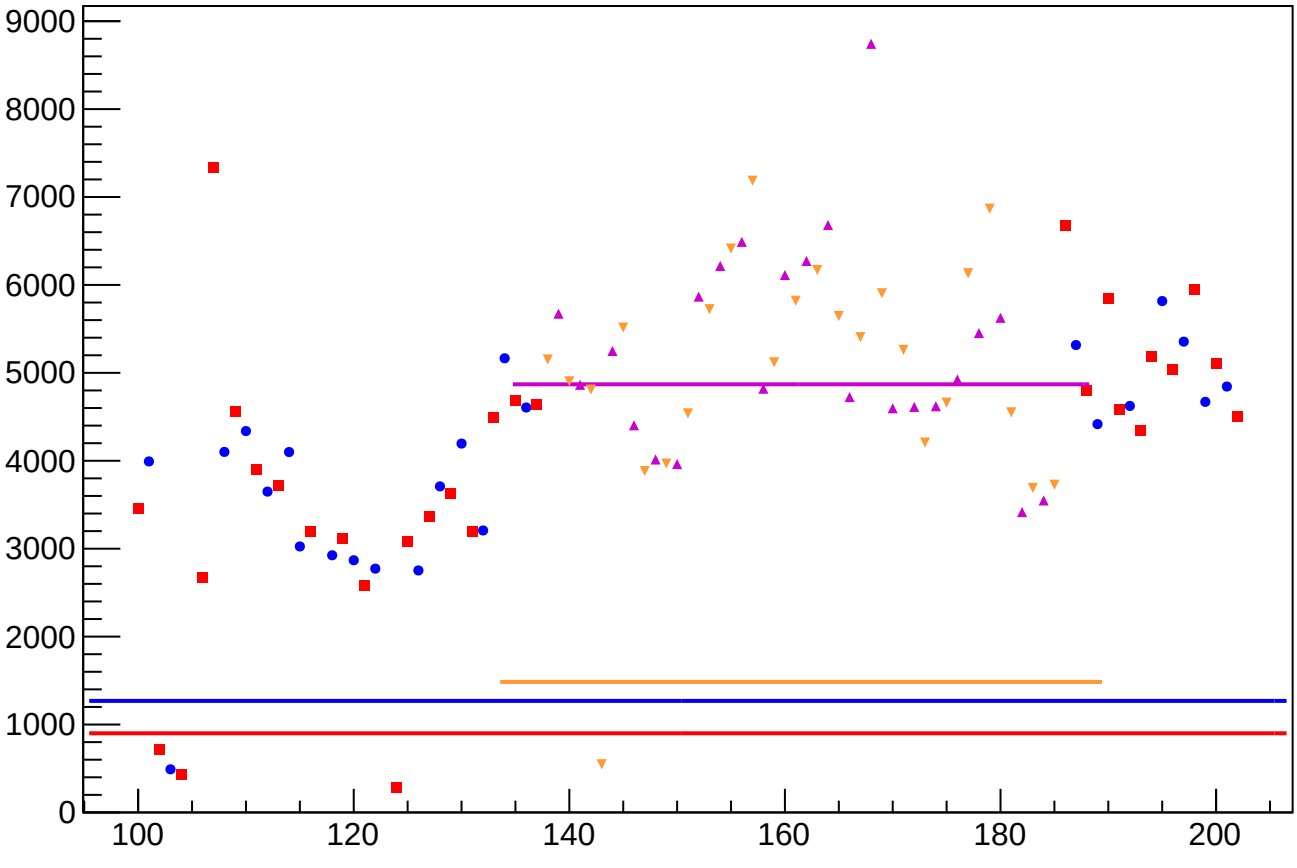
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 276.195+/-335.960 χ^2/NDF: 59.3/51

In: 149.784+/-504.795 χ^2/NDF:37.8/45

Out: -185.735+/-331.753 χ^2/NDF:69.5/53

All: -84.531+/-277.240 χ^2/NDF: 107.6/99



Right In: 1268.901+/-0.396 χ^2/NDF: 14222610.3/22

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 900.546+/-0.297 χ^2/NDF: 18877594.1/28

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

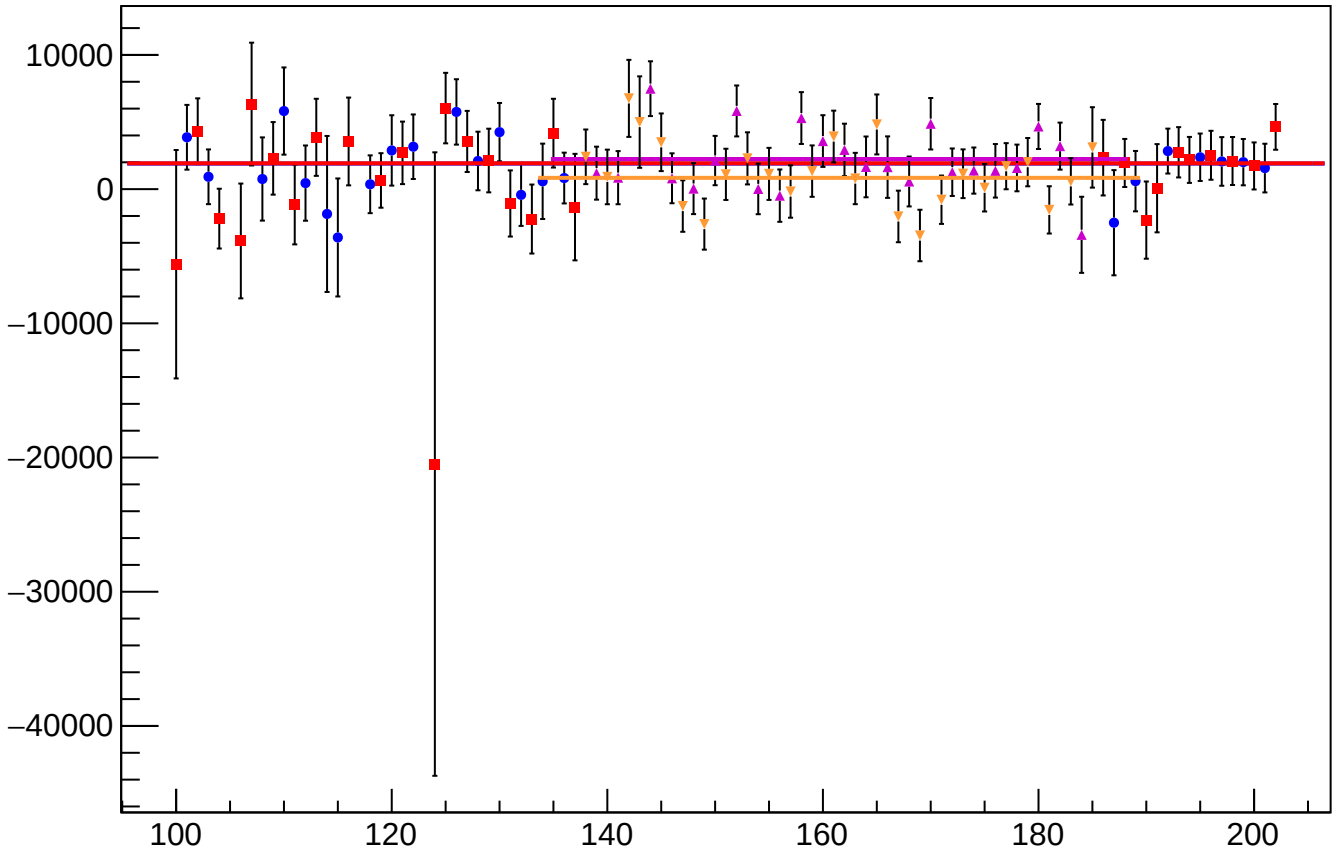
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1033.075+/-0.238 χ^2/NDF: 33654006.7/51

In: 1944.896+/-0.357 χ^2/NDF:31215016.1/45

Out: 1119.943+/-0.235 χ^2/NDF:43556536.9/53

All: 1368.778+/-0.196 χ^2/NDF: 78501827.9/9



Right In: 1903.974+/-475.610 χ^2/NDF: 12.9/22

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1925.385+/-447.891 χ^2/NDF: 25.0/28

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

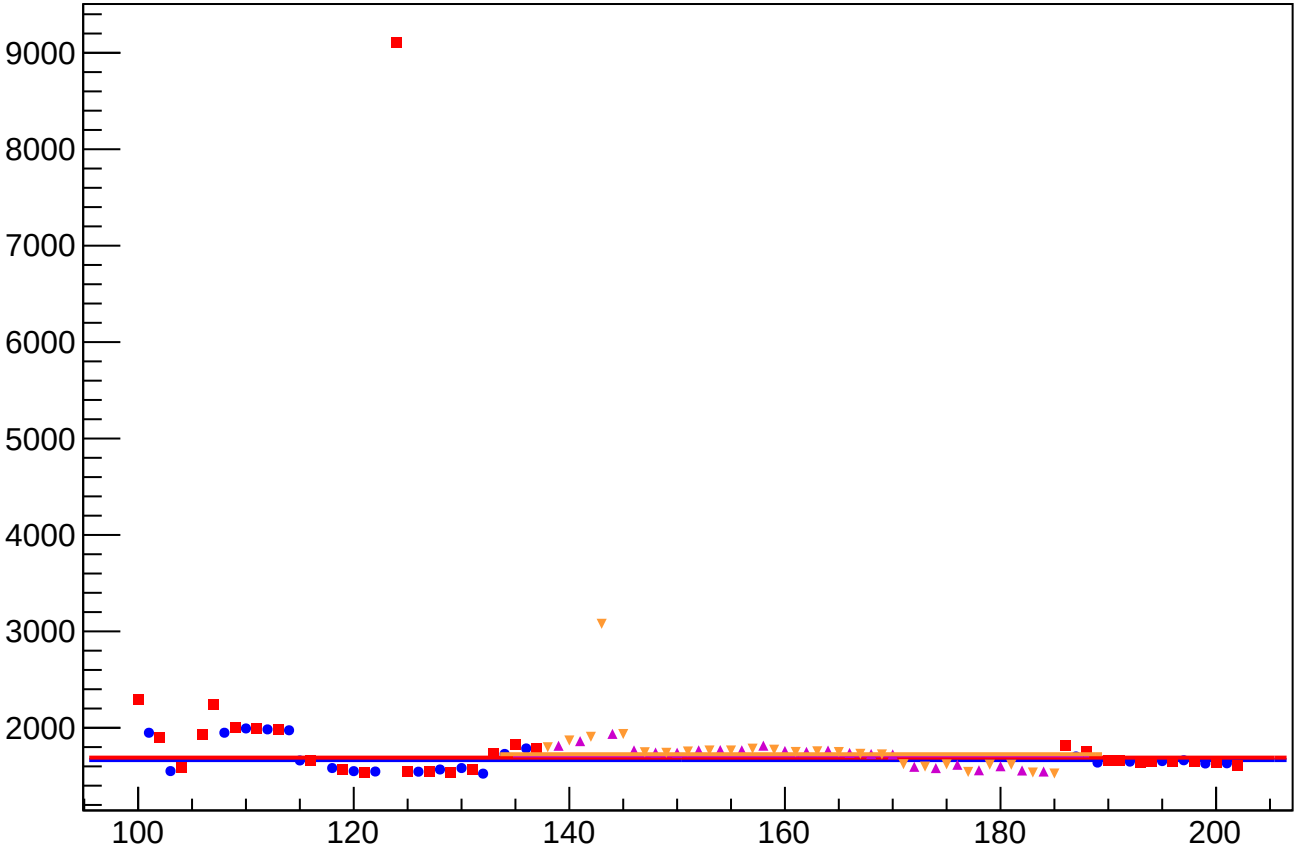
Right: 1915.322+/-326.066 χ^2/NDF: 37.9/51

In: 2103.441+/-306.465 χ^2/NDF:42.6/45

Out: 1314.982+/-296.016 χ^2/NDF:58.7/53

All: 1695.542+/-212.913 χ^2/NDF: 104.8/99

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1665.175+/-0.336 χ^2/NDF: 144587.6/22

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1690.869+/-0.316 χ^2/NDF: 406026.6/28

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

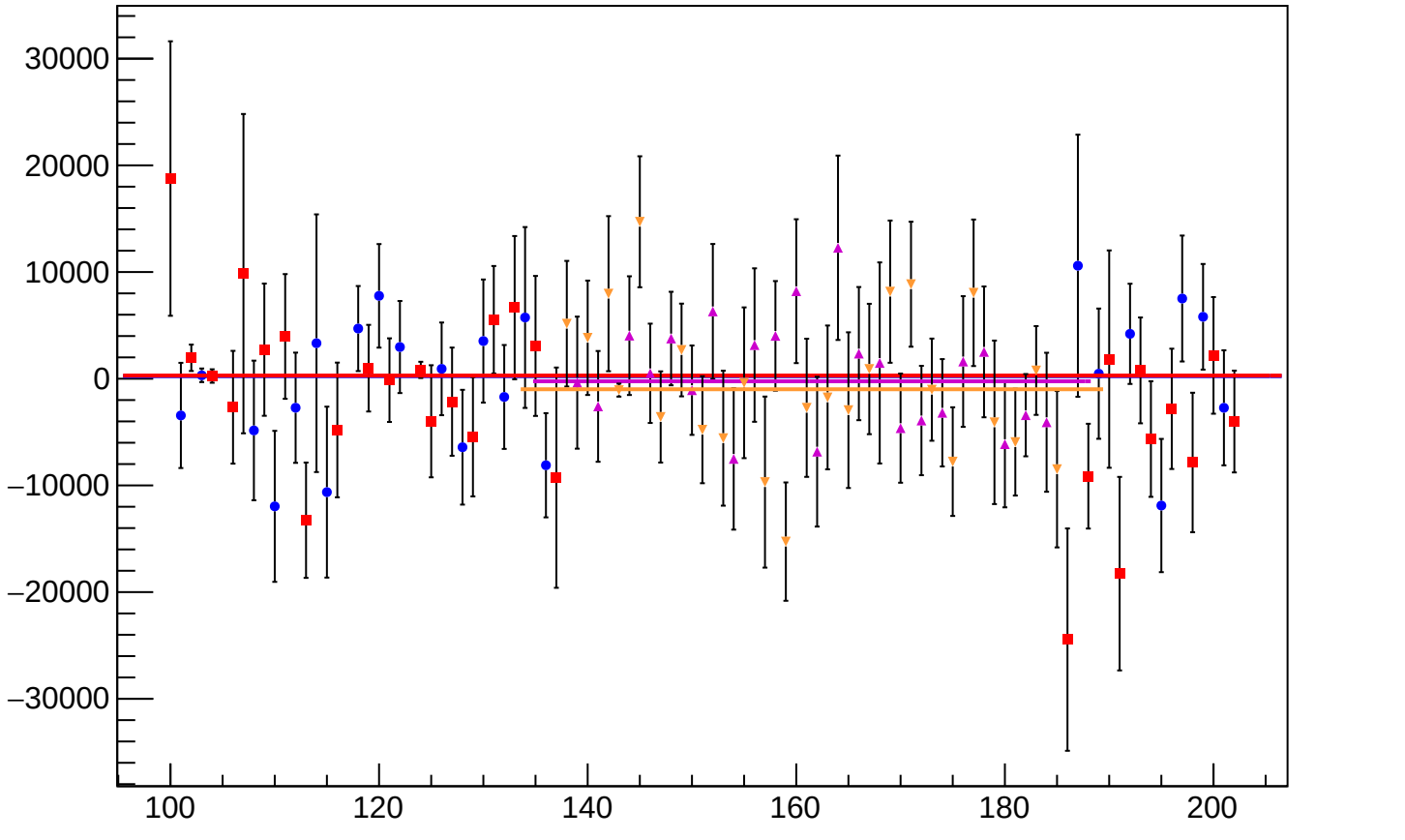
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1678.819+/-0.230 χ^2/NDF: 553713.9/51

In: 1693.234+/-0.217 χ^2/NDF:285781.4/45

Out: 1710.652+/-0.209 χ^2/NDF:867926.4/53

All: 1702.253+/-0.150 χ^2/NDF: 1157052.9/99



Right In: 239.753+/-560.101 χ^2/NDF: 24.1/22

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 296.674+/-419.880 χ^2/NDF: 35.1/28

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

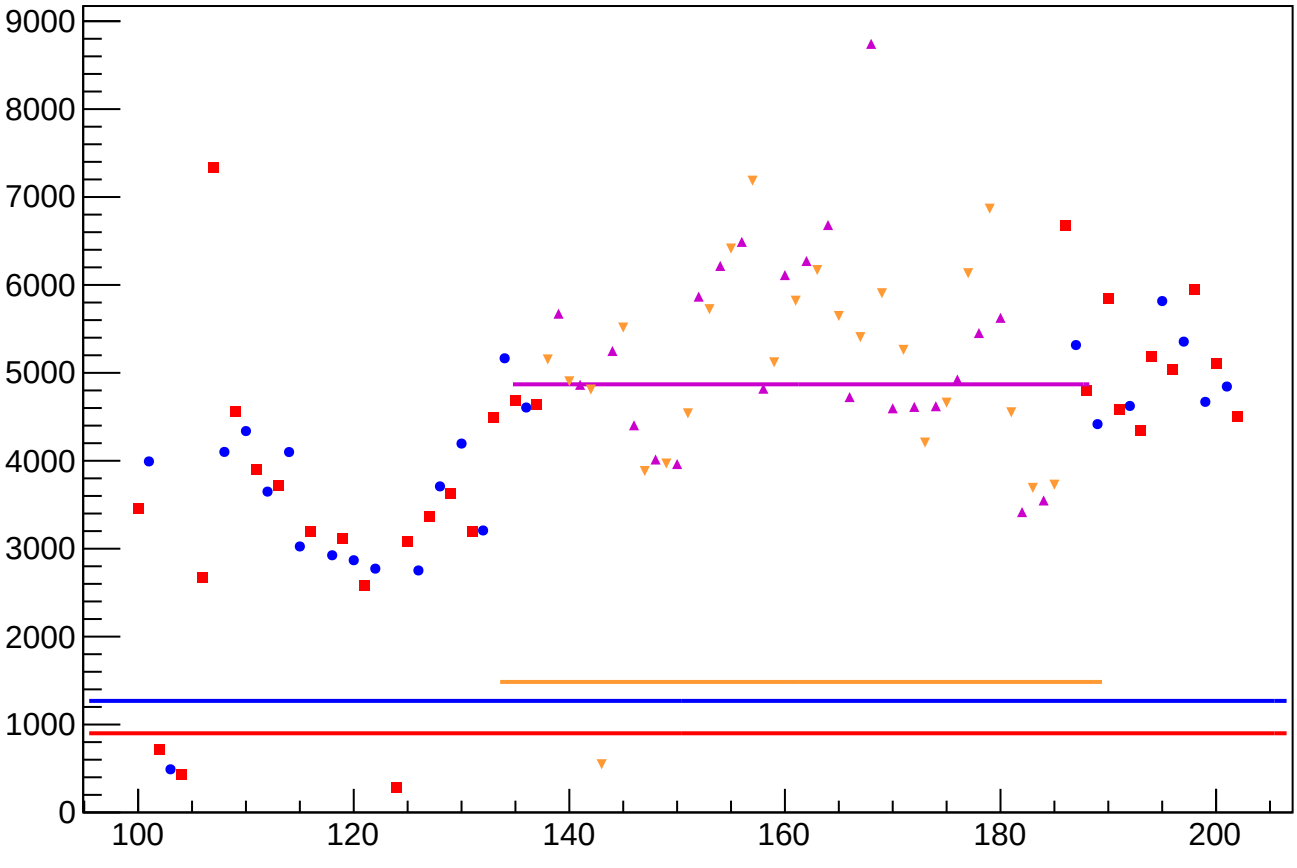
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 276.195+/-335.960 χ^2/NDF: 59.3/51

In: 149.784+/-504.795 χ^2/NDF:37.8/45

Out: -185.735+/-331.753 χ^2/NDF:69.5/53

All: -84.531+/-277.240 χ^2/NDF: 107.6/99



Right In: 1268.901+/-0.396 χ^2/NDF: 14222610.3/22

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 900.546+/-0.297 χ^2/NDF: 18877594.1/28

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

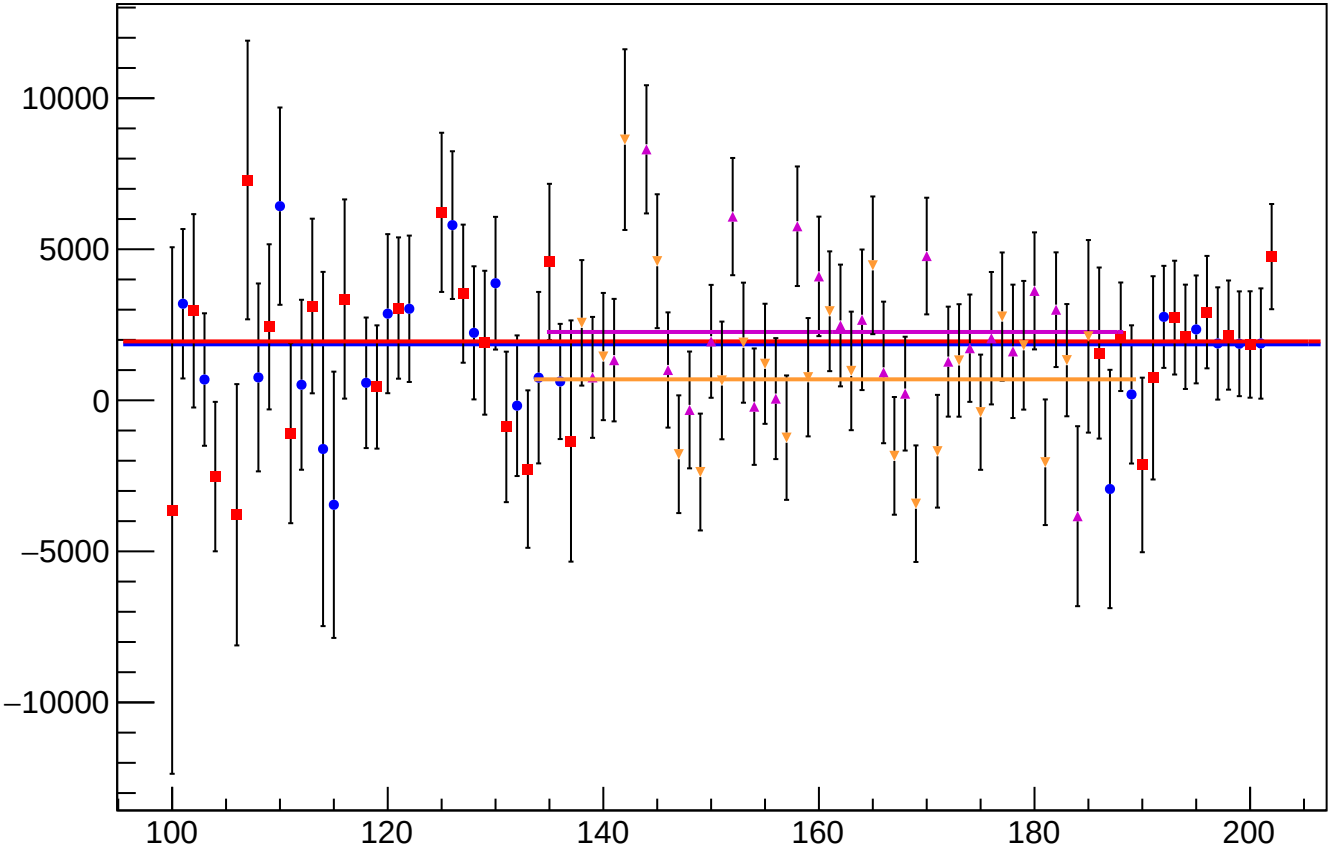
Right: 1033.075+/-0.238 χ^2/NDF: 33654006.7/51

In: 1944.896+/-0.357 χ^2/NDF:31215016.1/45

Out: 1119.943+/-0.235 χ^2/NDF:43556536.9/53

All: 1368.778+/-0.196 χ^2/NDF: 78501827.9/9

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1853.654+/-481.653 χ^2/NDF: 12.6/22

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1949.871+/-456.643 χ^2/NDF: 23.0/27

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

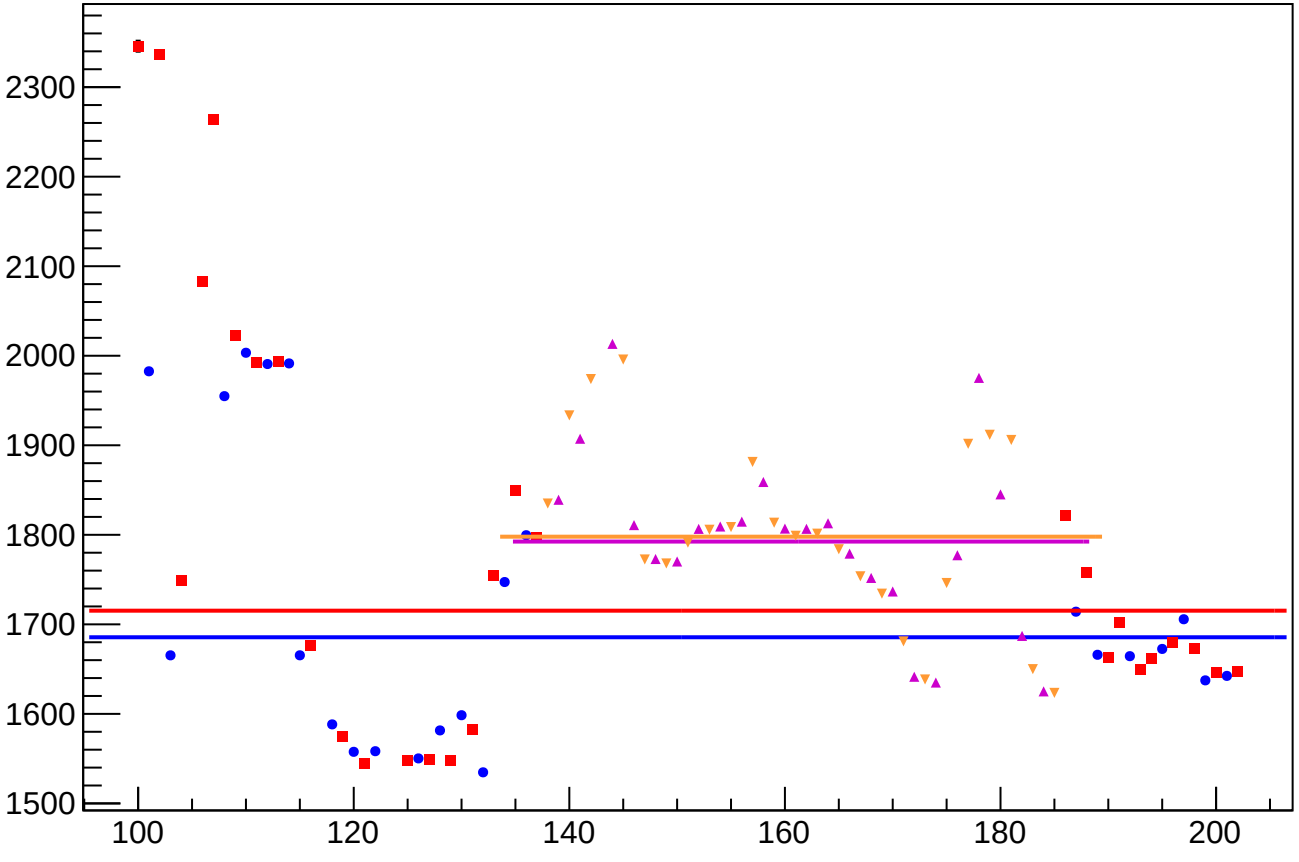
Right: 1904.325+/-331.384 χ^2/NDF: 35.7/50

In: 2085.879+/-316.200 χ^2/NDF:43.4/45

Out: 1266.806+/-308.349 χ^2/NDF:59.4/51

All: 1666.048+/-220.759 χ^2/NDF: 106.2/97

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1685.570+/-0.341 χ^2/NDF: 140060.7/22

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1715.260+/-0.323 χ^2/NDF: 271174.9/27

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

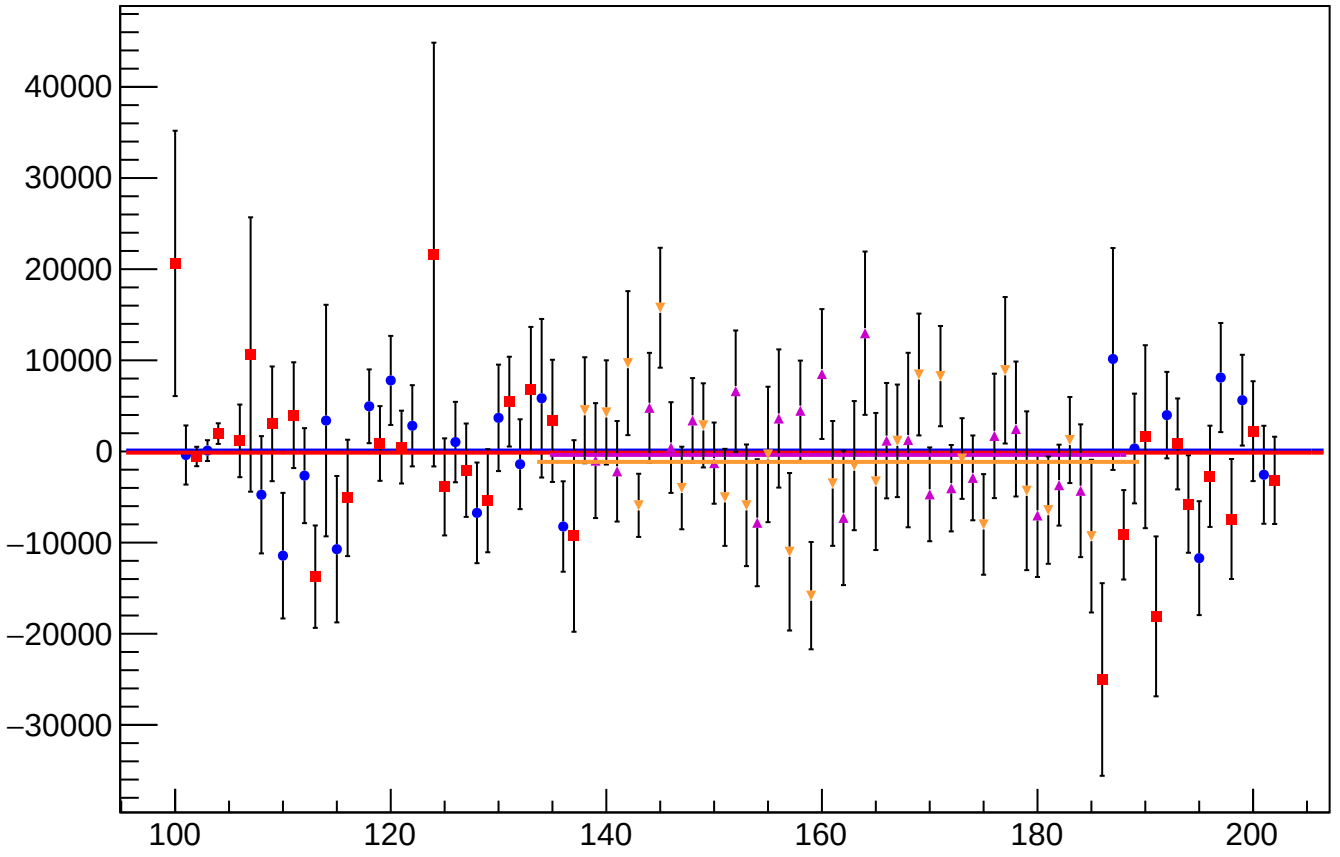
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1701.222+/-0.234 χ^2/NDF: 415242.0/50

In: 1746.387+/-0.224 χ^2/NDF:288974.6/45

Out: 1760.180+/-0.218 χ^2/NDF:404862.5/51

All: 1753.460+/-0.156 χ^2/NDF: 695788.5/97



Right In: 99.559+/-806.982 χ^2/NDF: 23.3/22

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -130.236+/-639.009 χ^2/NDF: 35.6/28

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

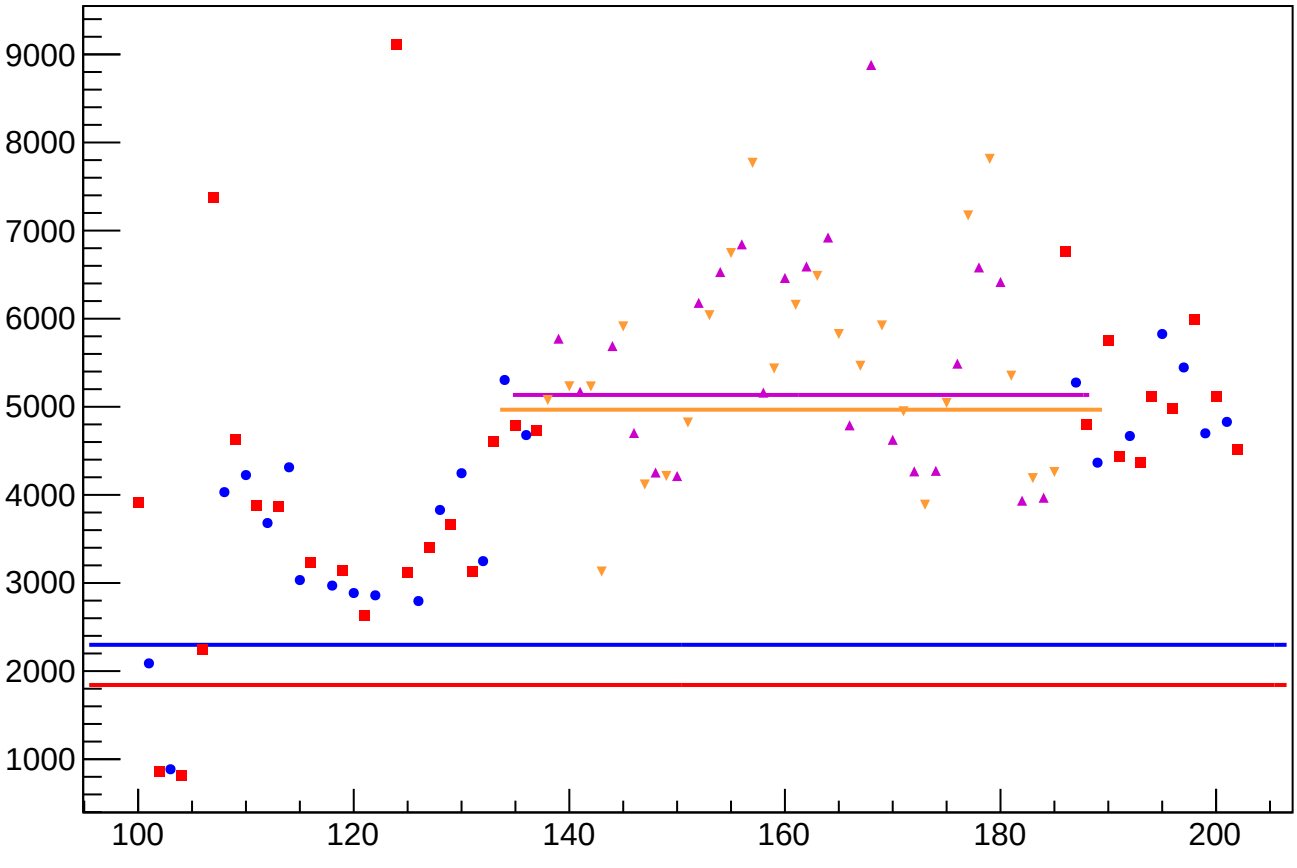
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: -41.677+/-500.968 χ^2/NDF: 59.0/51

In: -43.433+/-674.513 χ^2/NDF:36.7/45

Out: -364.958+/-560.203 χ^2/NDF:68.7/53

All: -233.709+/-430.953 χ^2/NDF: 105.6/99



Right In: 2298.278+/-0.571 χ^2/NDF: 7825959.4/22

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1842.338+/-0.452 χ^2/NDF: 12348537.9/28

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

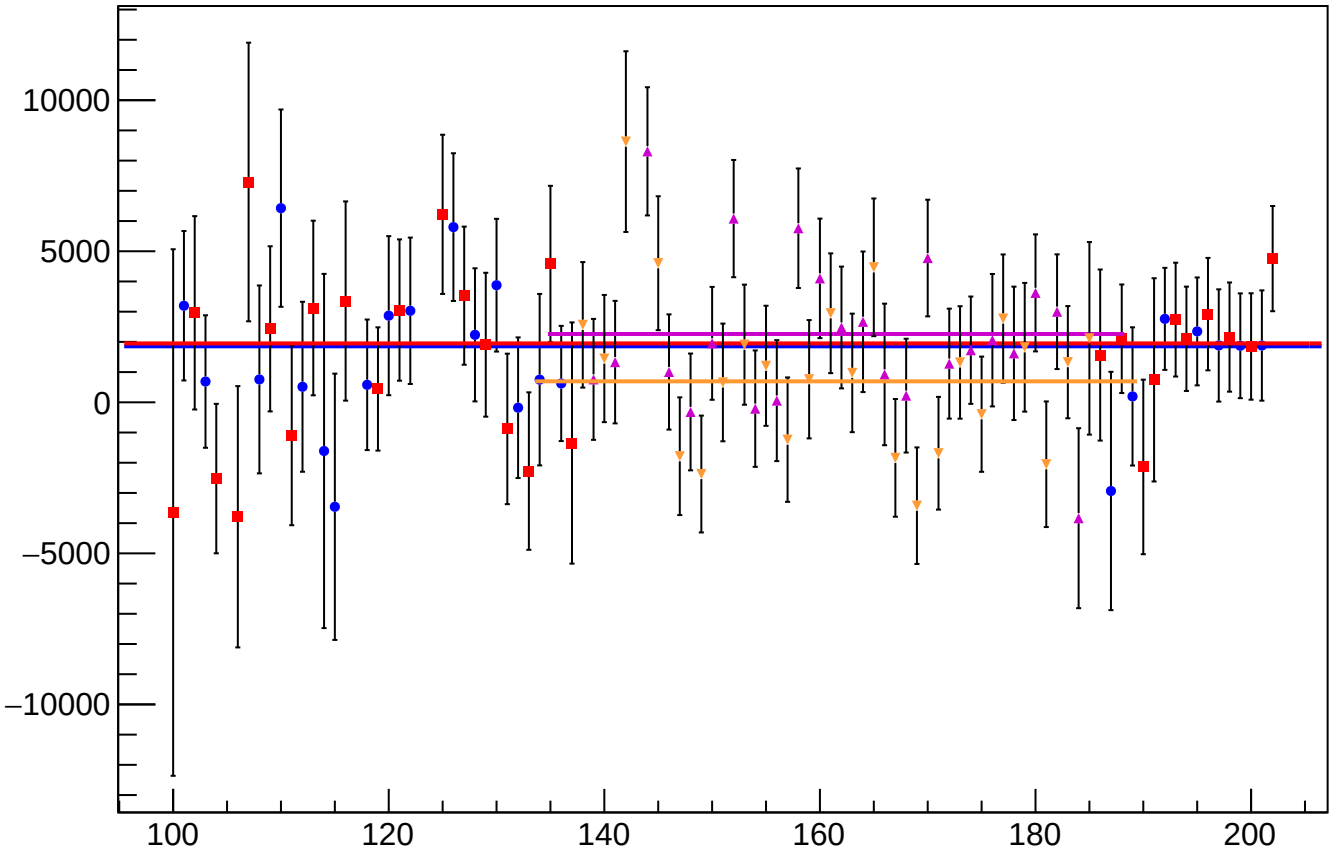
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2018.049+/-0.354 χ^2/NDF: 20566892.0/51

In: 3152.992+/-0.477 χ^2/NDF:16757855.8/45

Out: 2565.490+/-0.396 χ^2/NDF:25333502.7/53

All: 2805.312+/-0.305 χ^2/NDF: 42989281.2/9



Right In: 1853.650+/-481.653 χ^2/NDF: 12.6/22

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1949.869+/-456.643 χ^2/NDF: 23.0/27

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

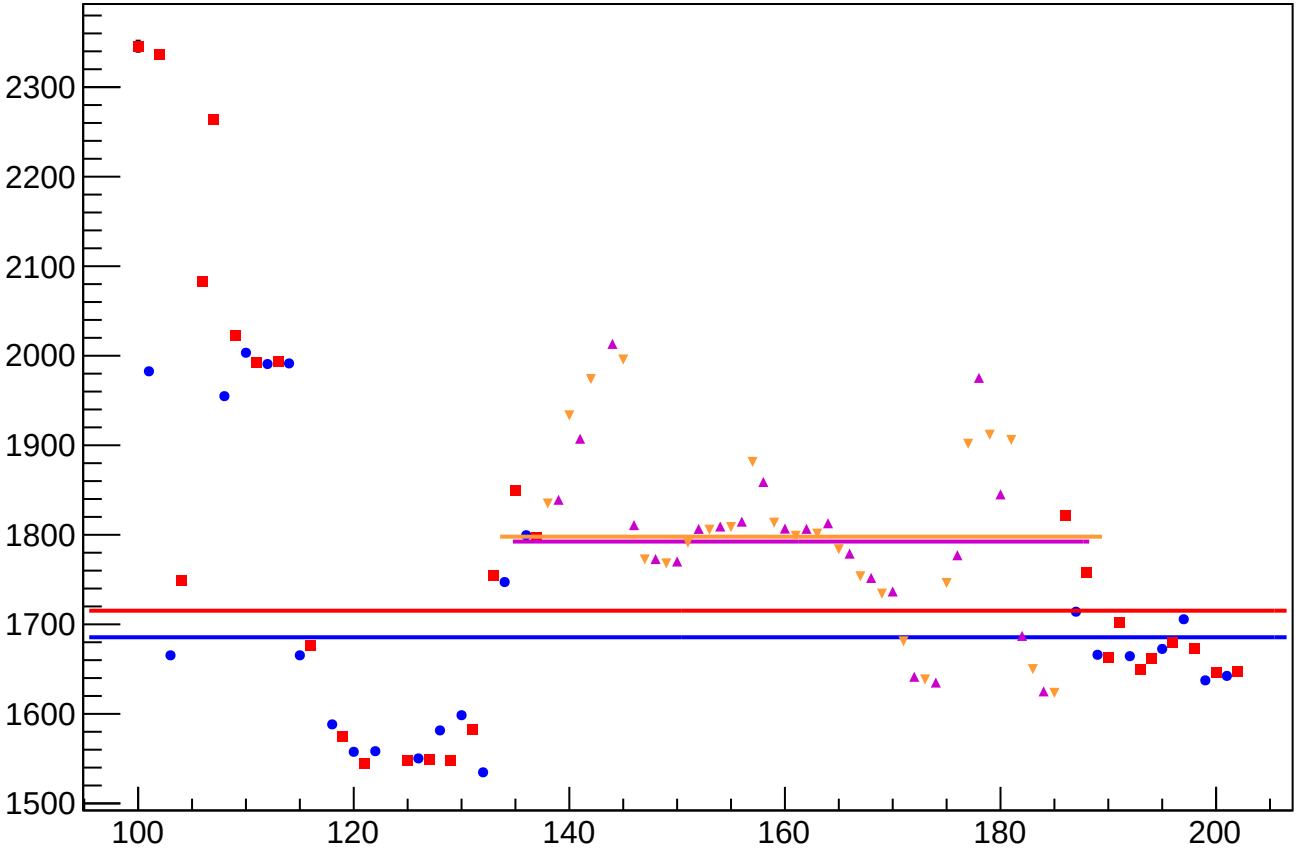
Right: 1904.322+/-331.384 χ^2/NDF: 35.7/50

In: 2085.877+/-316.200 χ^2/NDF:43.4/45

Out: 1266.803+/-308.349 χ^2/NDF:59.4/51

All: 1666.045+/-220.759 χ^2/NDF: 106.2/97

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1685.570+/-0.341 χ^2/NDF: 140060.9/22

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1715.260+/-0.323 χ^2/NDF: 271174.2/27

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

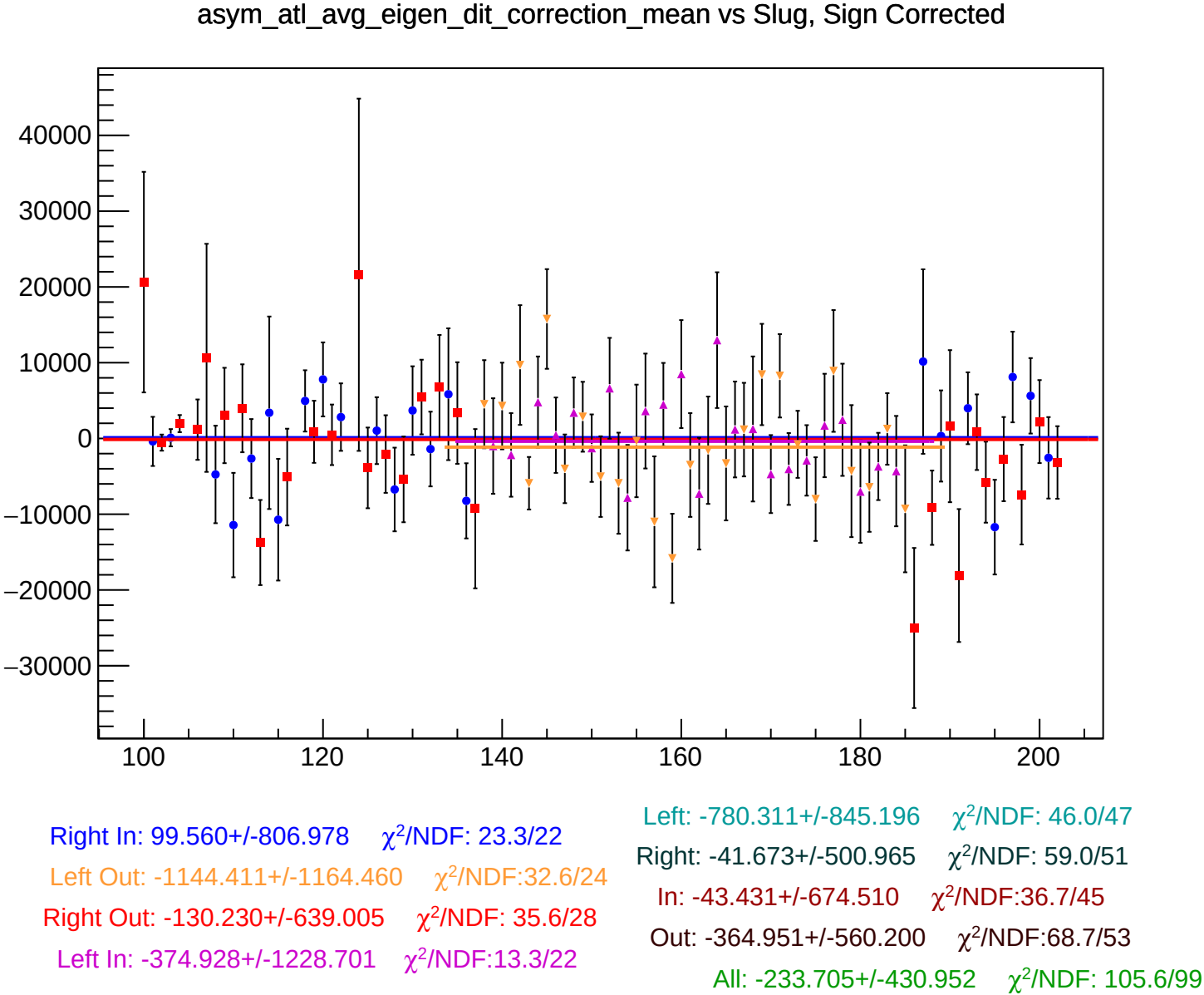
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

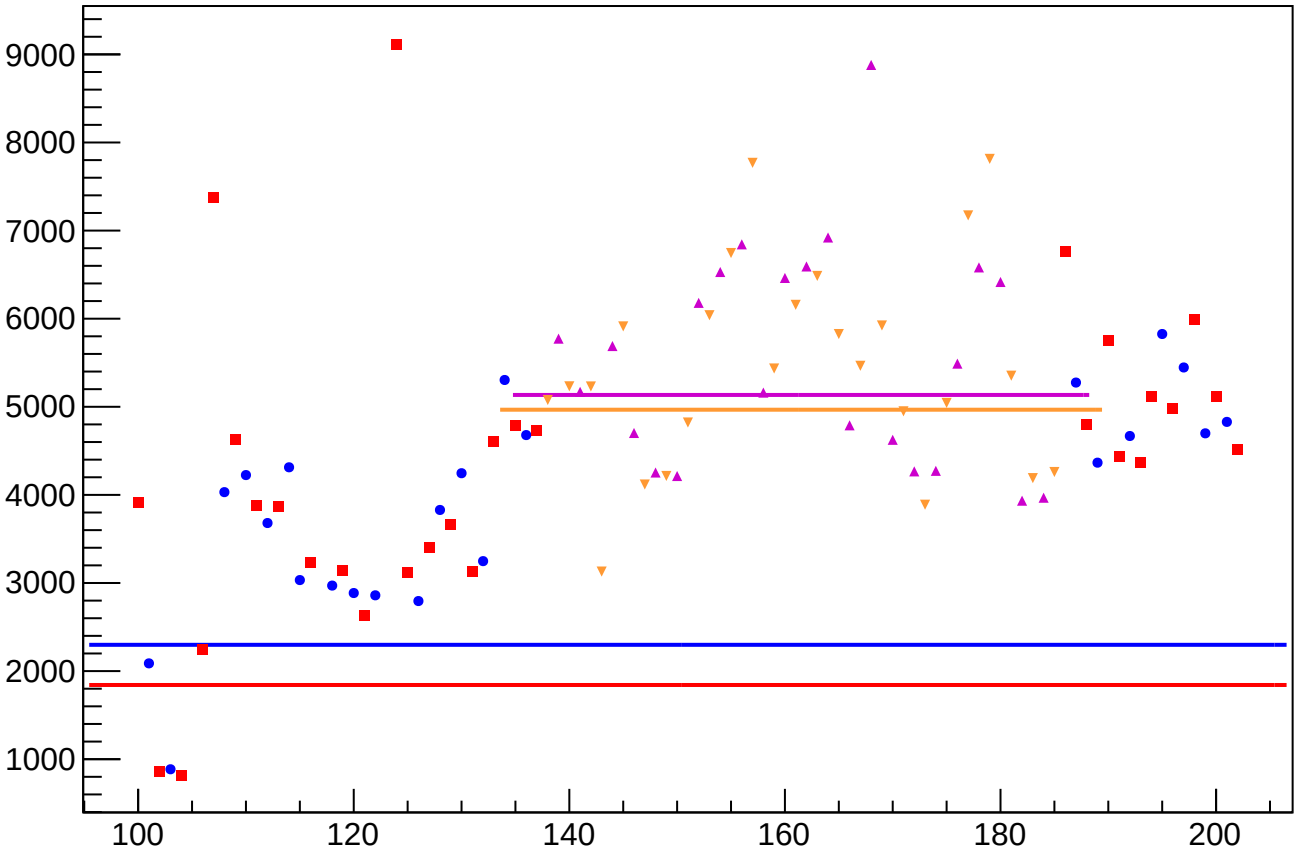
Right: 1701.222+/-0.234 χ^2/NDF: 415241.5/50

In: 1746.388+/-0.224 χ^2/NDF:288979.5/45

Out: 1760.180+/-0.218 χ^2/NDF:404866.4/51

All: 1753.461+/-0.156 χ^2/NDF: 695797.4/97


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 99.560+/-806.978 χ²/NDF: 23.3/22
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: -130.230+/-639.005 χ²/NDF: 35.6/28
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: -41.673+/-500.965 χ²/NDF: 59.0/51
In: -43.431+/-674.510 χ²/NDF:36.7/45
Out: -364.951+/-560.200 χ²/NDF:68.7/53
All: -233.705+/-430.952 χ²/NDF: 105.6/99



Right In: 2298.260+/-0.571 χ^2/NDF: 7826043.8/22

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1842.321+/-0.452 χ^2/NDF: 12348637.3/28

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

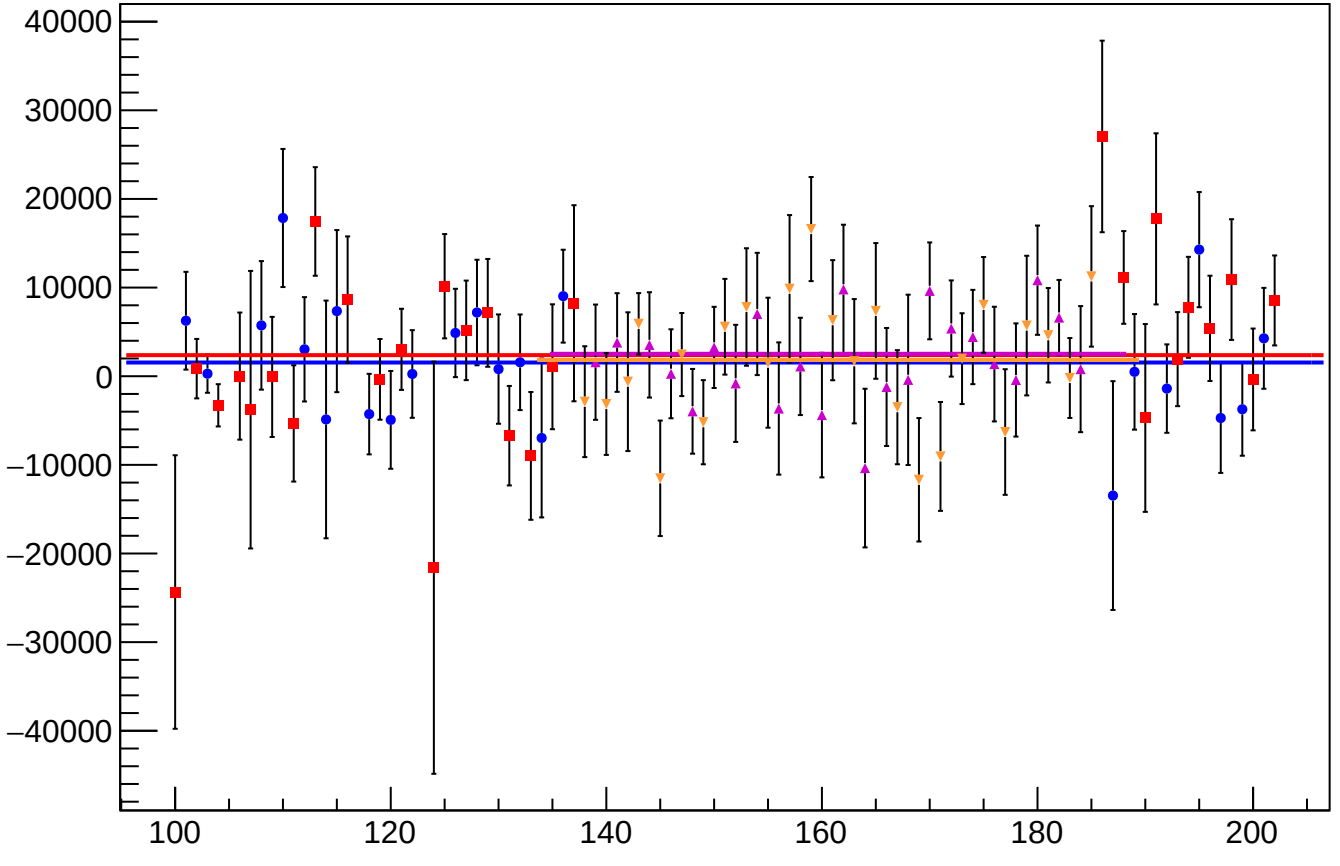
Right: 2018.031+/-0.354 χ^2/NDF: 20567077.9/51

In: 3152.973+/-0.477 χ^2/NDF:16758093.1/45

Out: 2565.469+/-0.396 χ^2/NDF:25333790.6/53

All: 2805.292+/-0.305 χ^2/NDF: 42989817.5/9

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1546.452+/-1106.084 χ^2/NDF: 21.7/22

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2378.153+/-1054.636 χ^2/NDF: 42.4/28

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

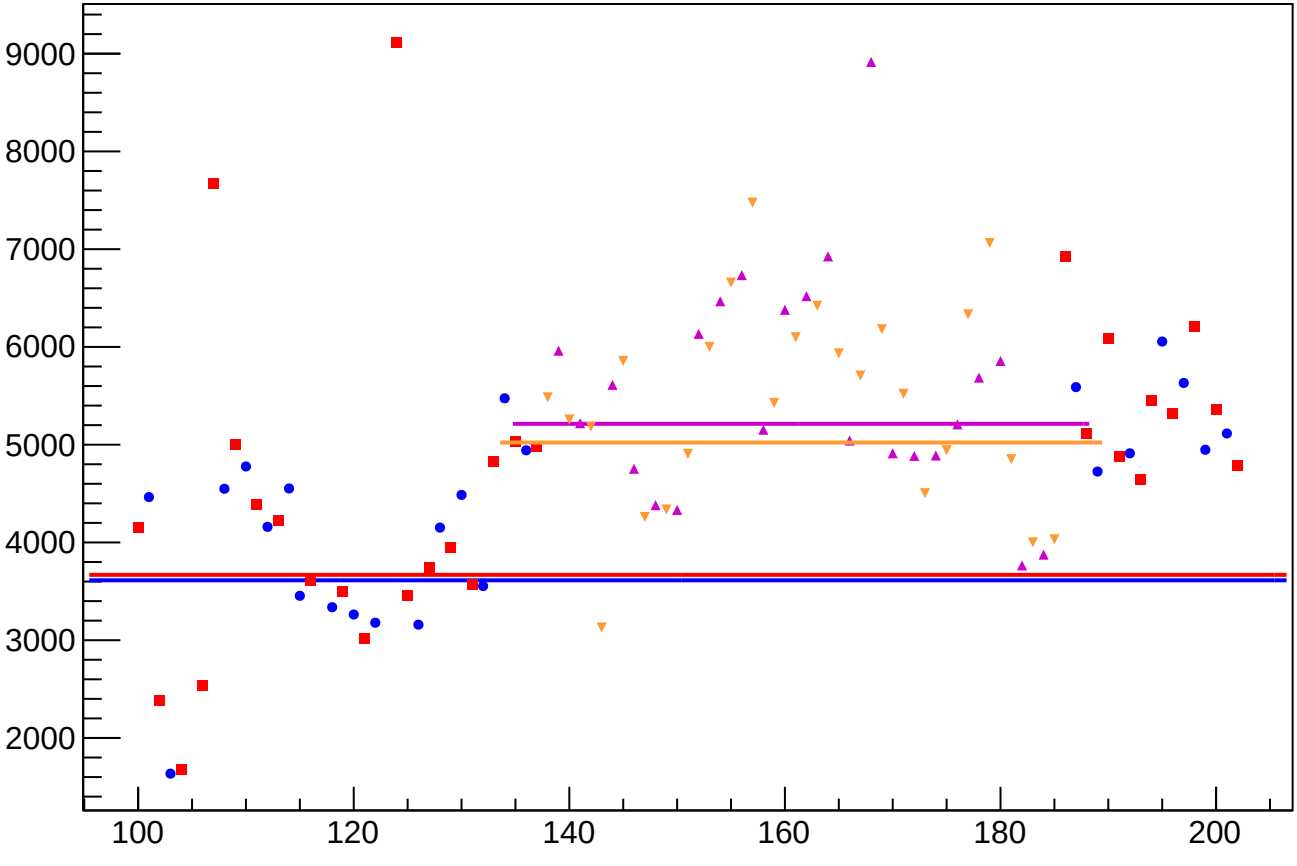
Right: 1982.095+/-763.281 χ^2/NDF: 64.4/51

In: 1981.249+/-826.021 χ^2/NDF:35.2/45

Out: 2131.301+/-784.102 χ^2/NDF:73.6/53

All: 2060.179+/-568.686 χ^2/NDF: 108.8/99

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3612.844+/-0.782 χ^2/NDF: 3164969.2/22

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3668.823+/-0.737 χ^2/NDF: 3801989.3/28

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

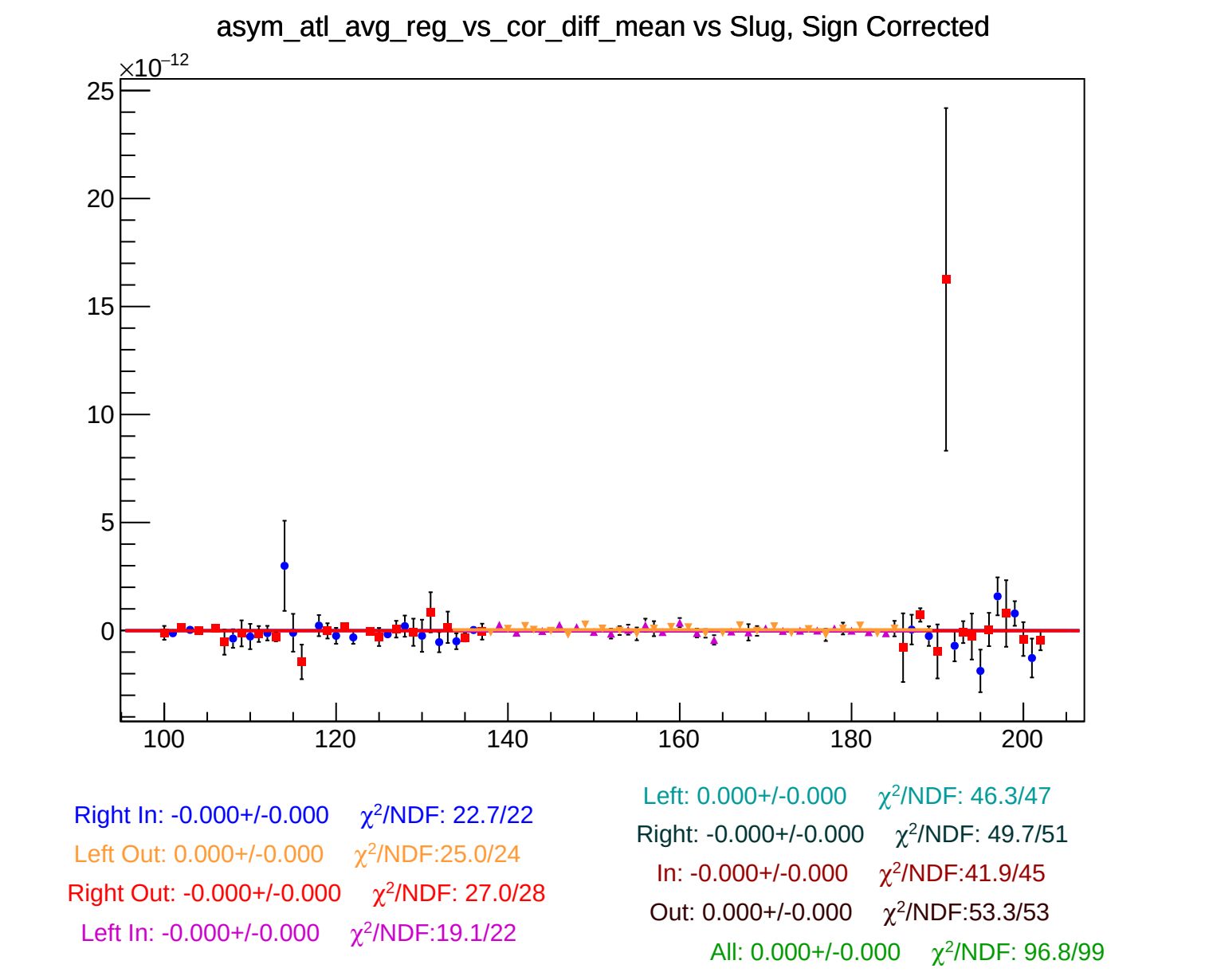
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

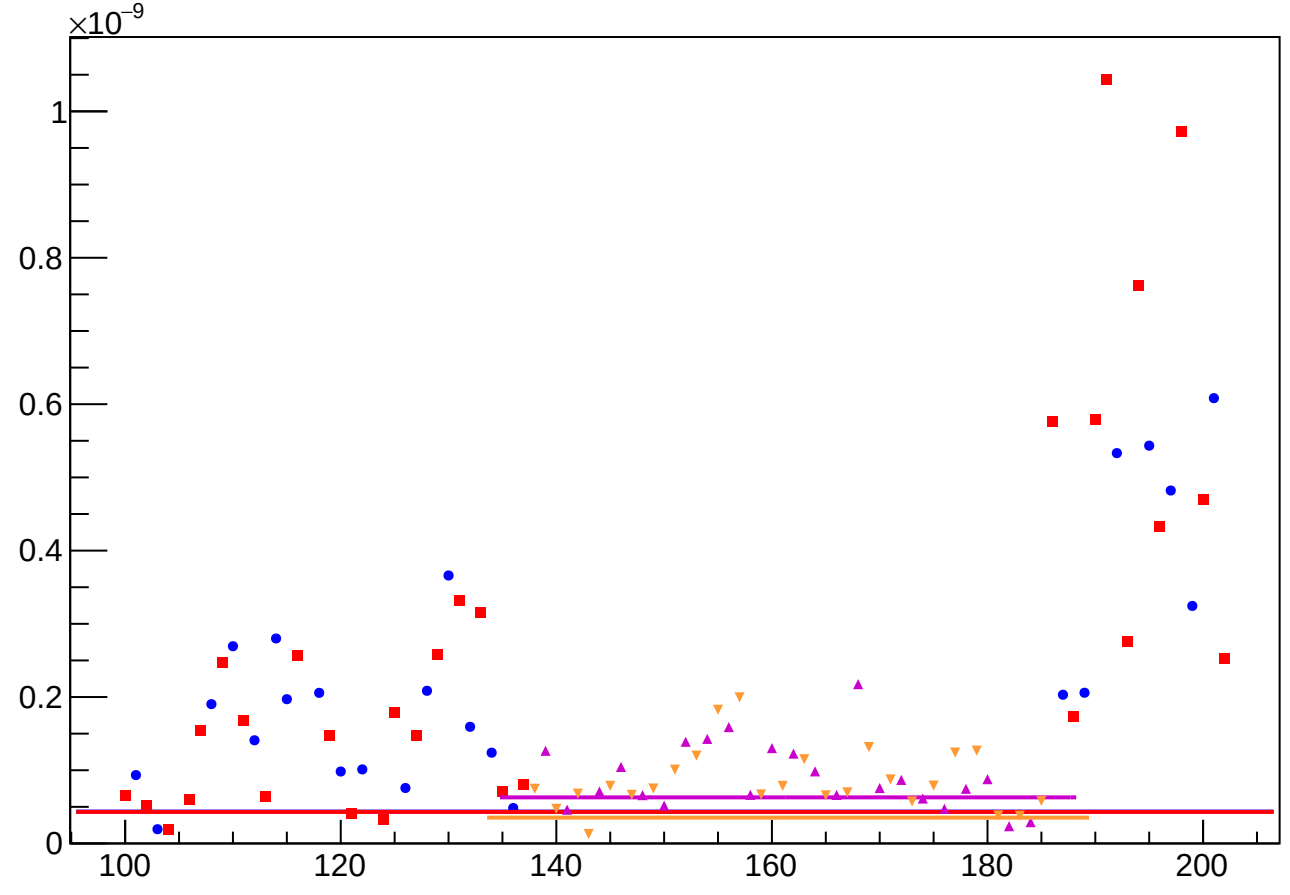
Right: 3642.484+/-0.536 χ^2/NDF: 6969670.9/51

In: 4320.859+/-0.584 χ^2/NDF:6240962.0/45

Out: 4266.586+/-0.551 χ^2/NDF:6967017.7/53

All: 4292.139+/-0.401 χ^2/NDF: 13212548.4/9


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.7/22
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.0/28
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/47
Right: -0.000+/-0.000 χ²/NDF: 49.7/51
In: -0.000+/-0.000 χ²/NDF:41.9/45
Out: 0.000+/-0.000 χ²/NDF:53.3/53
All: 0.000+/-0.000 χ²/NDF: 96.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 6506239.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7330831.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

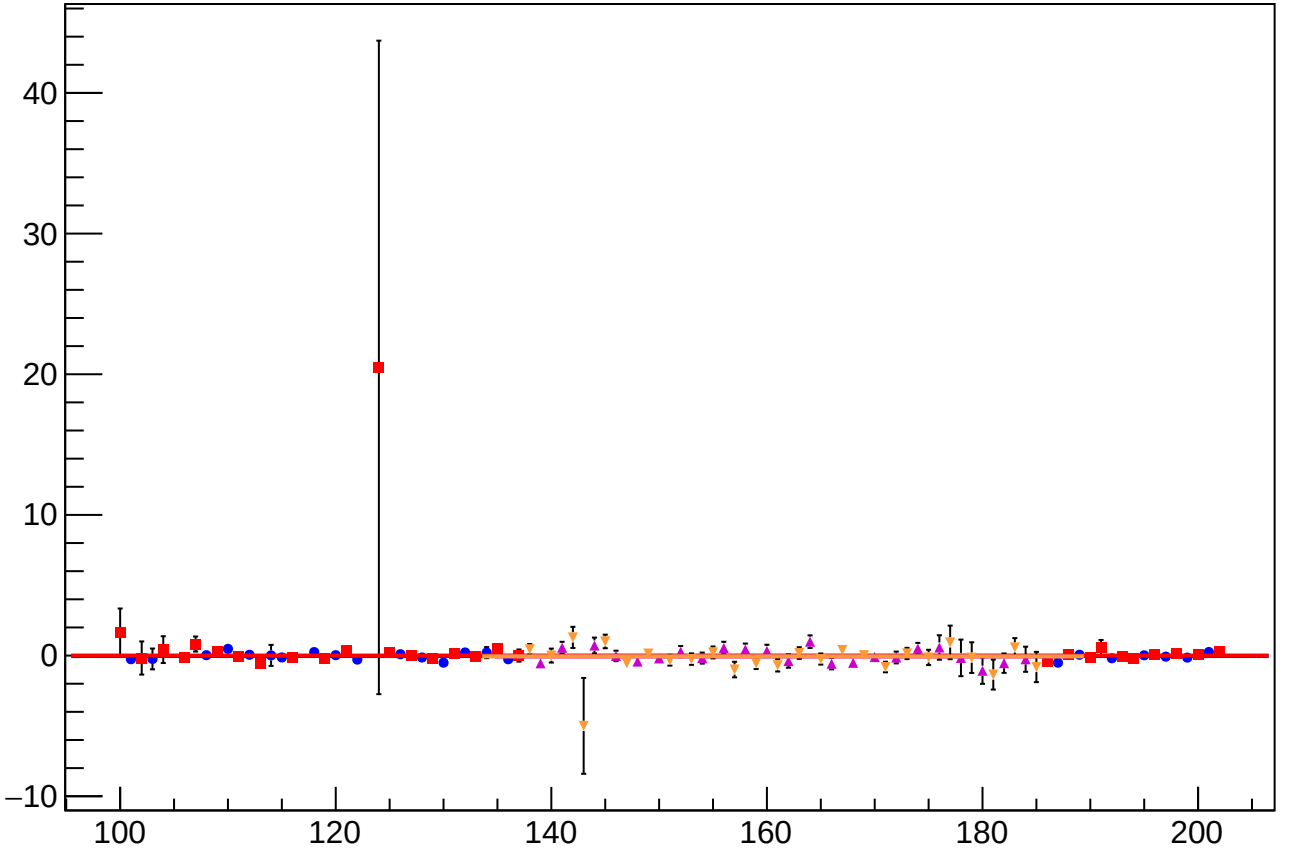
Right: 0.000+/-0.000 χ^2/NDF: 13837222.2/51

In: 0.000+/-0.000 χ^2/NDF:9839116.2/45

Out: 0.000+/-0.000 χ^2/NDF:13931598.9/53

All: 0.000+/-0.000 χ^2/NDF: 24677304.3/99

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.033+/-0.047 χ^2/NDF: 23.1/22

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.003+/-0.039 χ^2/NDF: 30.9/28

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

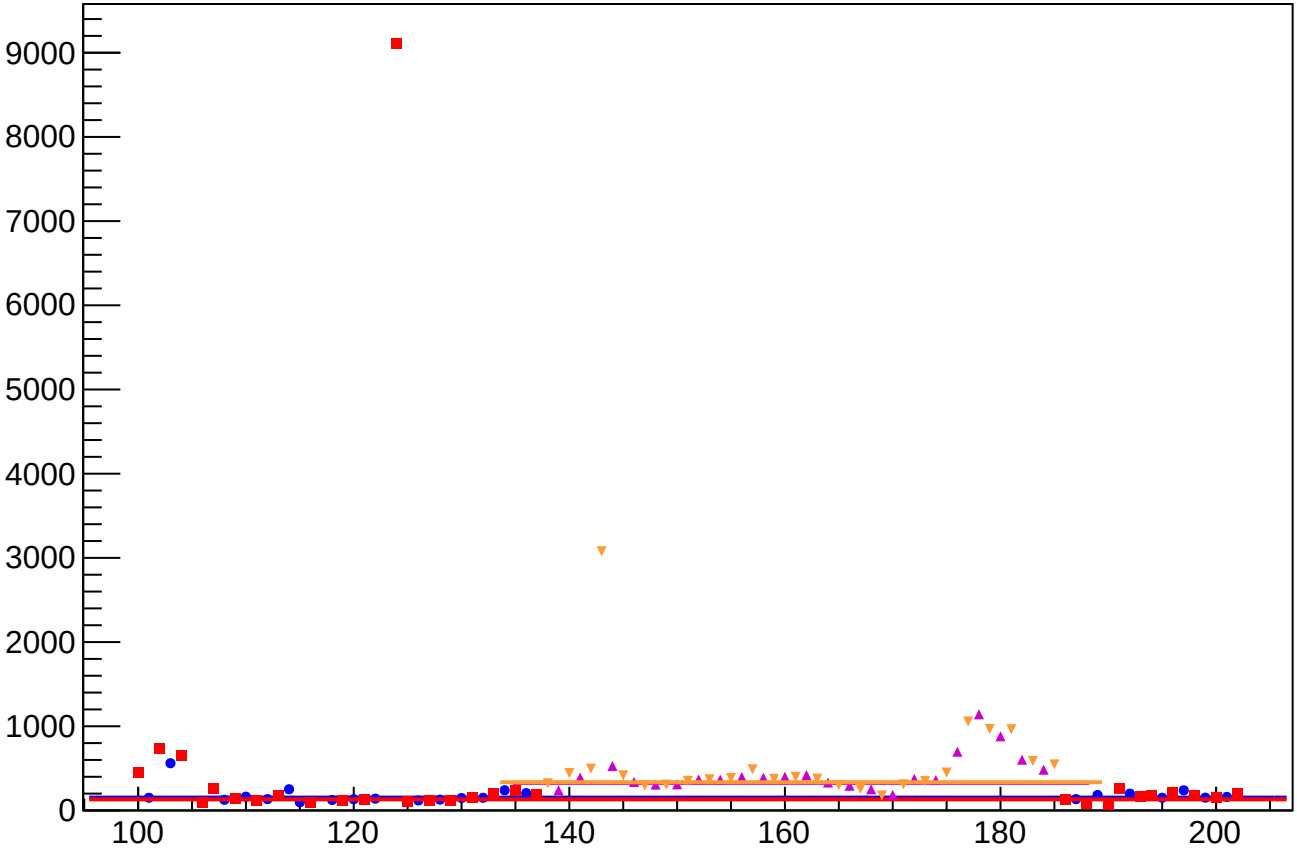
Right: -0.012+/-0.030 χ^2/NDF: 54.4/51

In: -0.041+/-0.041 χ^2/NDF:51.2/45

Out: -0.007+/-0.036 χ^2/NDF:64.4/53

All: -0.022+/-0.027 χ^2/NDF: 116.0/99

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.744+/-0.033 χ^2/NDF: 1495945.8/22

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 131.711+/-0.028 χ^2/NDF: 3850357.1/28

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

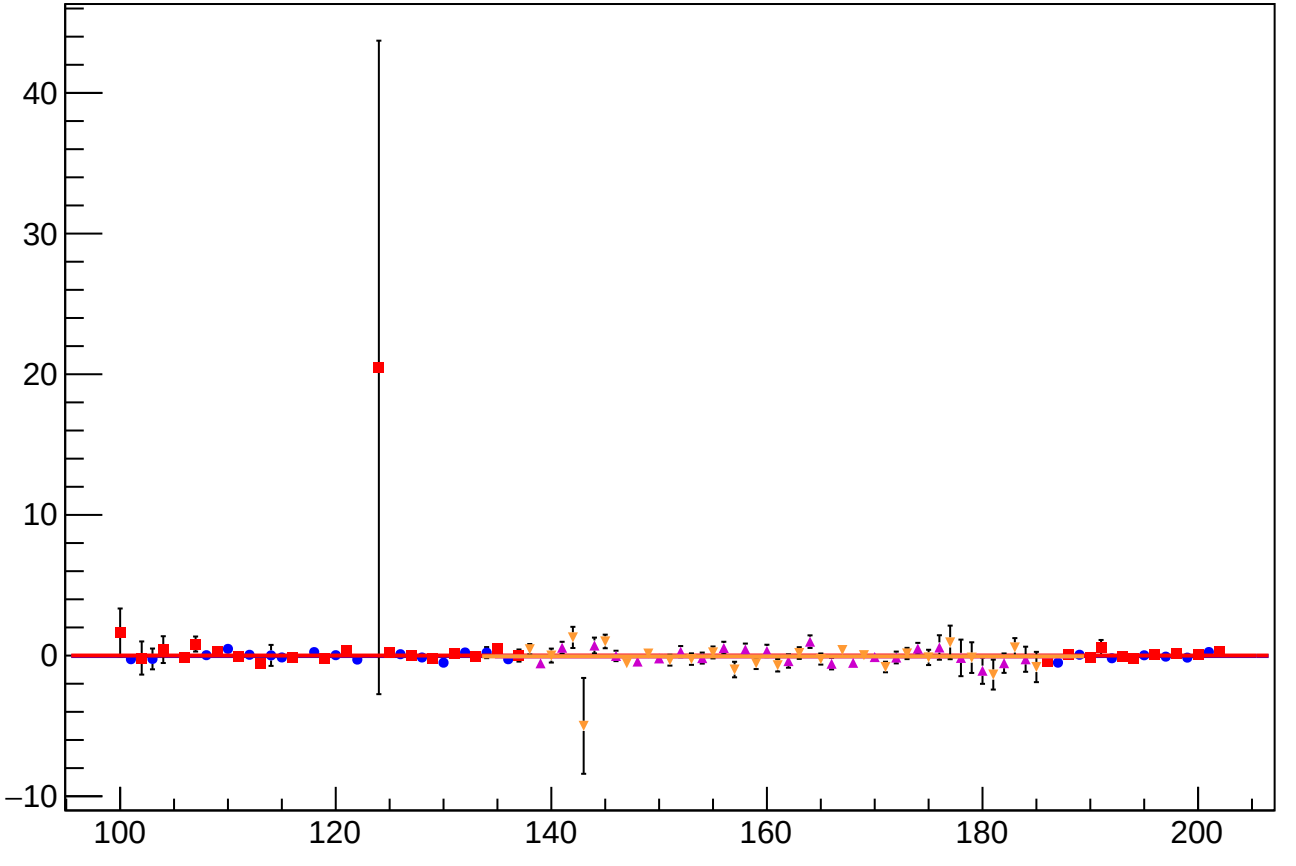
Right: 140.490+/-0.021 χ^2/NDF: 5583101.0/51

In: 194.927+/-0.029 χ^2/NDF:12424034.4/45

Out: 168.107+/-0.025 χ^2/NDF:19198105.9/53

All: 179.820+/-0.019 χ^2/NDF: 32112715.2/99

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.033+/-0.047 χ^2/NDF: 23.1/22

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.003+/-0.039 χ^2/NDF: 30.9/28

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

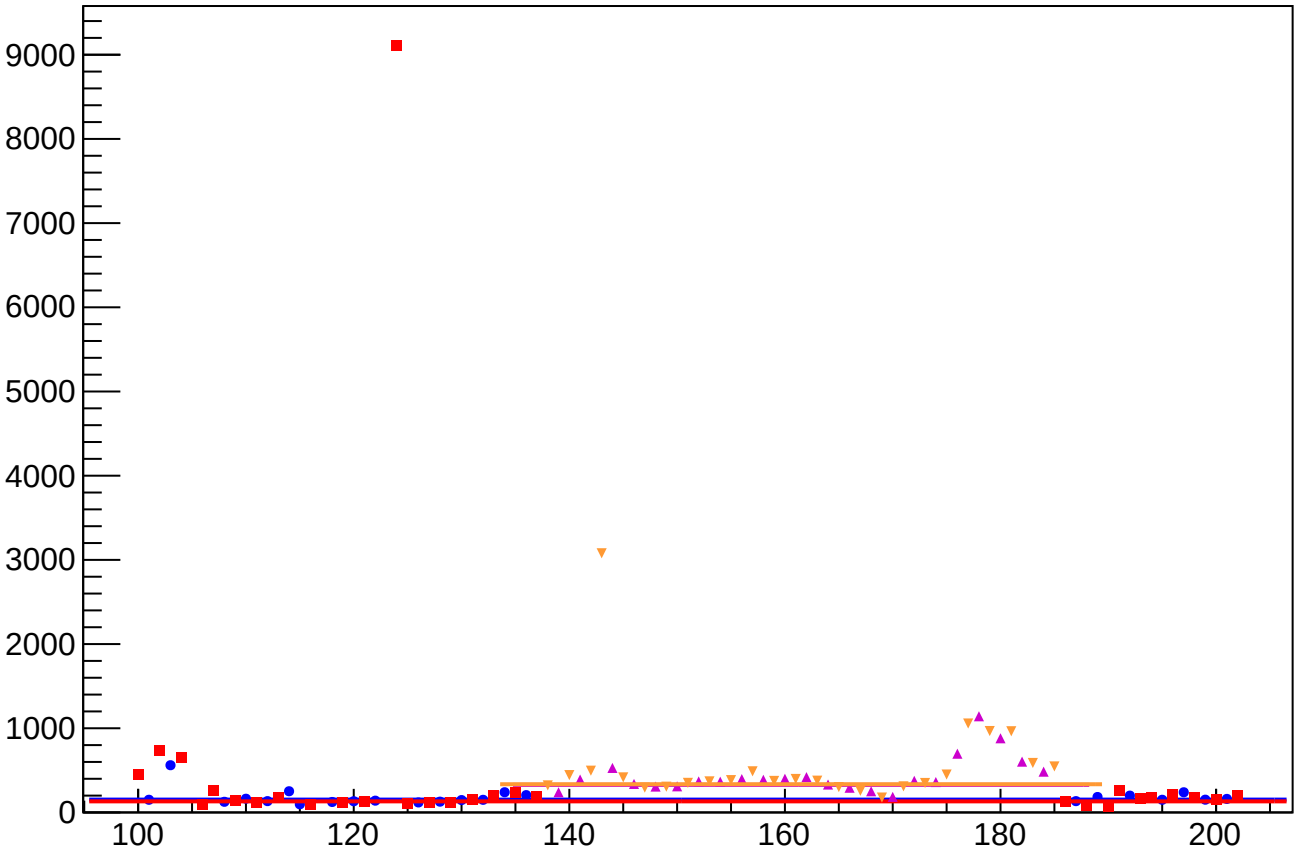
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.012+/-0.030 χ^2/NDF: 54.4/51

In: -0.041+/-0.041 χ^2/NDF:51.2/45

Out: -0.007+/-0.036 χ^2/NDF:64.4/53

All: -0.022+/-0.027 χ^2/NDF: 116.0/99



Right In: 152.744+/-0.033 χ^2/NDF: 1495945.8/22

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 131.711+/-0.028 χ^2/NDF: 3850357.1/28

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

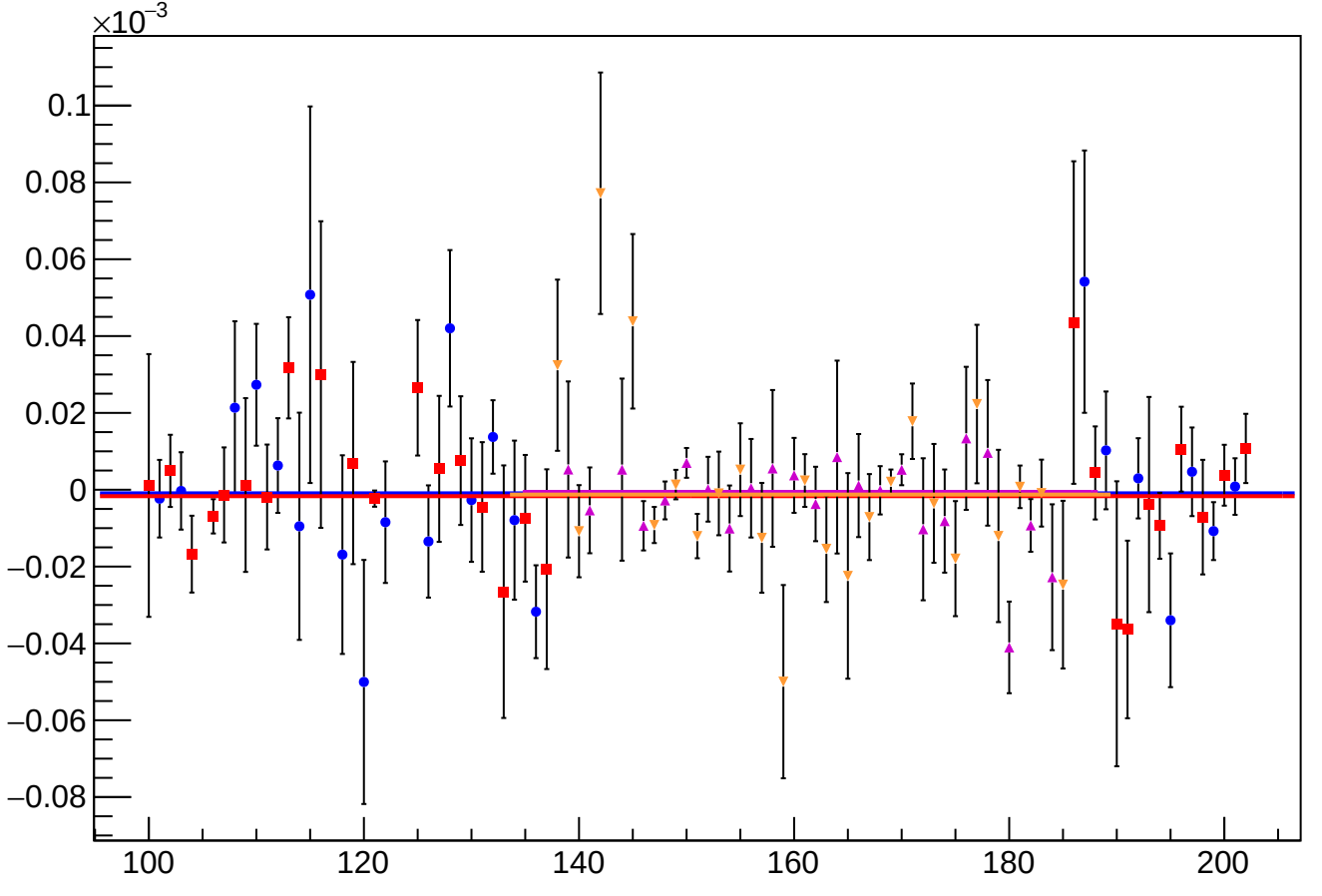
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 140.490+/-0.021 χ^2/NDF: 5583101.0/51

In: 194.927+/-0.029 χ^2/NDF:12424034.4/45

Out: 168.107+/-0.025 χ^2/NDF:19198105.9/53

All: 179.820+/-0.019 χ^2/NDF: 32112715.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 31.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/27

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

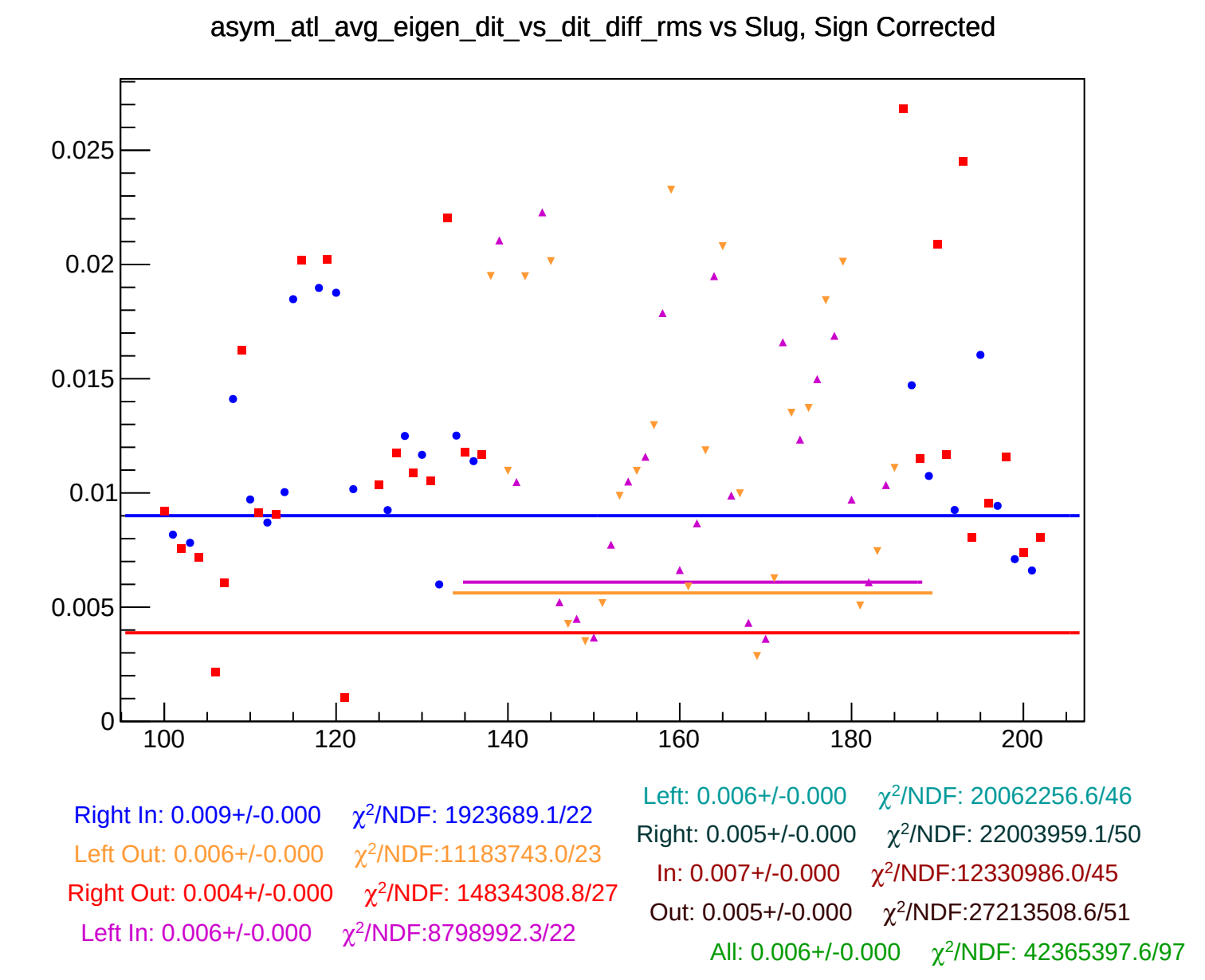
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 56.5/50

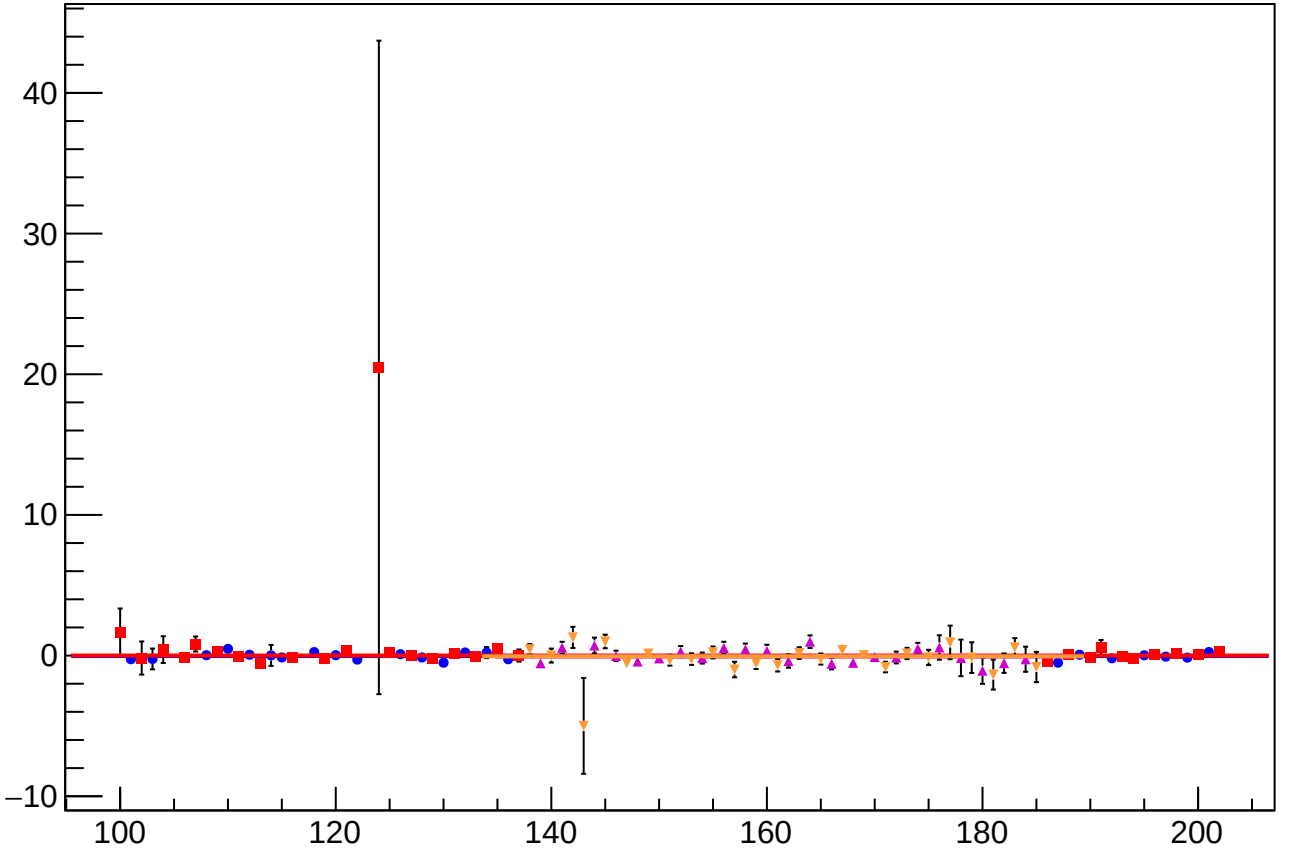
In: -0.000+/-0.000 χ^2/NDF:57.3/45

Out: -0.000+/-0.000 χ^2/NDF:60.5/51

All: -0.000+/-0.000 χ^2/NDF: 117.9/97


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
Right In: 0.009+/-0.000 χ²/NDF: 1923689.1/22
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 14834308.8/27
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: 22003959.1/50
In: 0.007+/-0.000 χ²/NDF:12330986.0/45
Out: 0.005+/-0.000 χ²/NDF:27213508.6/51
All: 0.006+/-0.000 χ²/NDF: 42365397.6/97

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.033+/-0.047 χ^2/NDF: 23.1/22

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.003+/-0.039 χ^2/NDF: 30.9/28

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

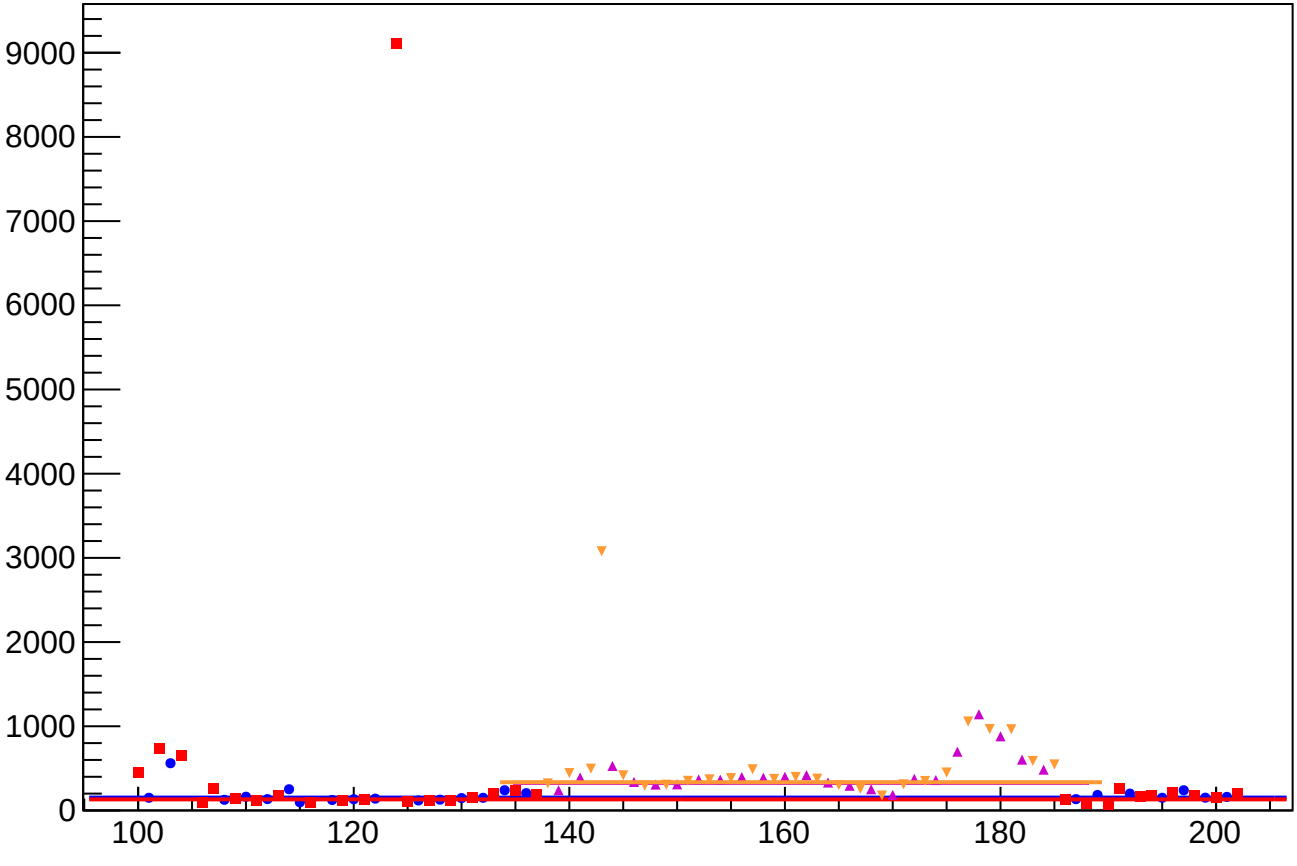
Right: -0.012+/-0.030 χ^2/NDF: 54.4/51

In: -0.041+/-0.041 χ^2/NDF:51.2/45

Out: -0.007+/-0.036 χ^2/NDF:64.4/53

All: -0.022+/-0.027 χ^2/NDF: 116.0/99

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.743+/-0.033 χ^2/NDF: 1495972.3/22

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 131.709+/-0.028 χ^2/NDF: 3850408.5/28

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

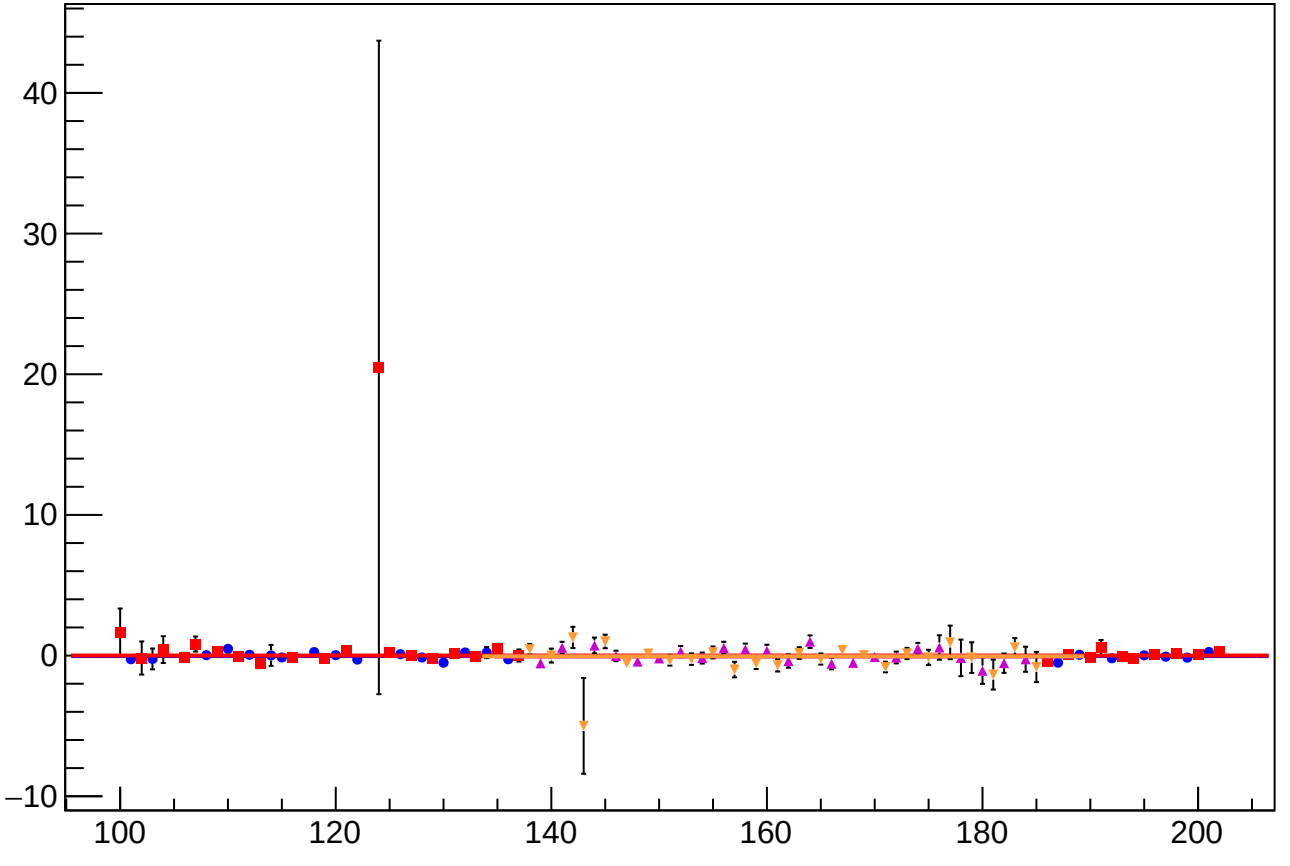
Right: 140.488+/-0.021 χ^2/NDF: 5583203.4/51

In: 194.926+/-0.029 χ^2/NDF:12424287.3/45

Out: 168.105+/-0.025 χ^2/NDF:19198520.6/53

All: 179.819+/-0.019 χ^2/NDF: 32113432.6/99

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.033+/-0.047 χ^2/NDF: 23.1/22

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.003+/-0.039 χ^2/NDF: 30.9/28

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

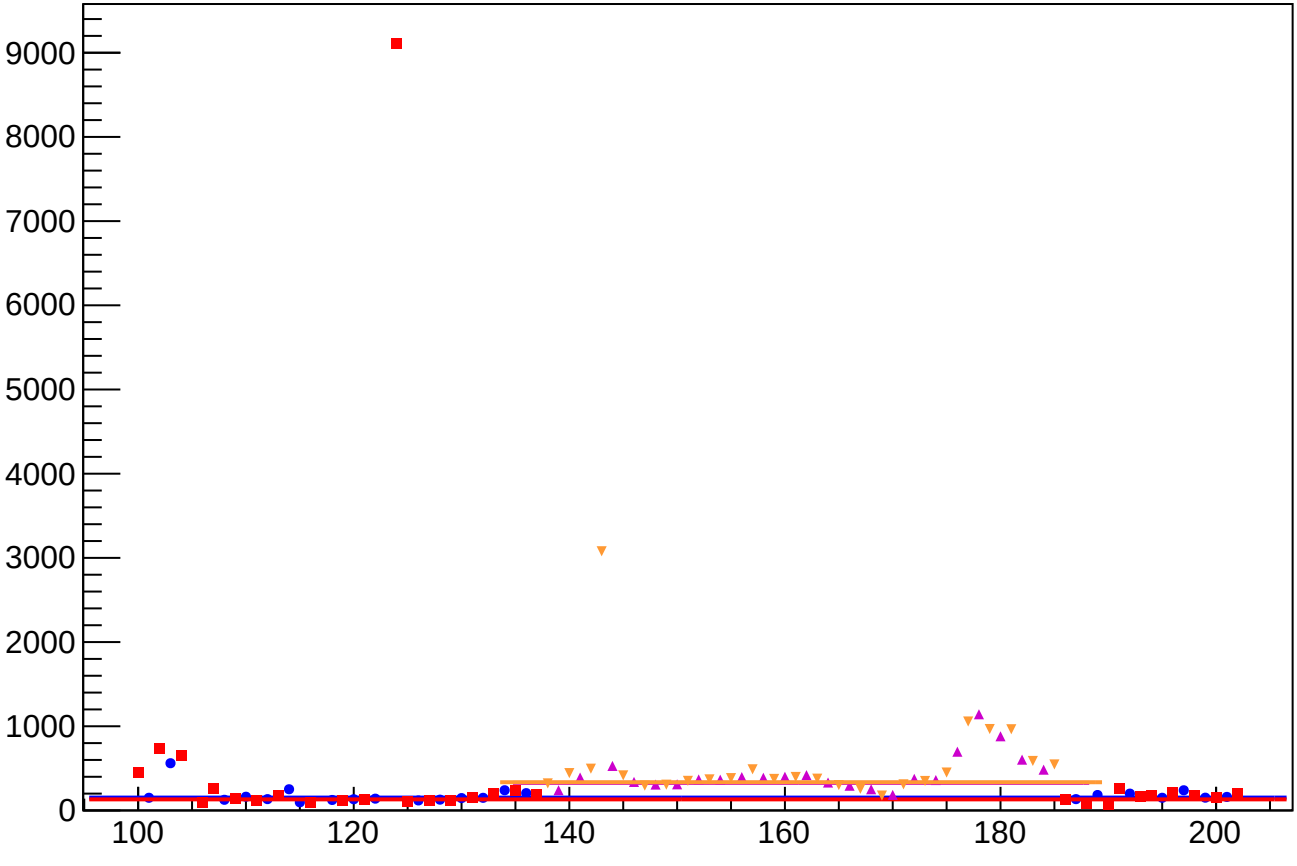
Right: -0.012+/-0.030 χ^2/NDF: 54.4/51

In: -0.041+/-0.041 χ^2/NDF:51.2/45

Out: -0.007+/-0.036 χ^2/NDF:64.4/53

All: -0.022+/-0.027 χ^2/NDF: 116.0/99

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.743+/-0.033 χ^2/NDF: 1495972.3/22

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 131.709+/-0.028 χ^2/NDF: 3850408.5/28

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

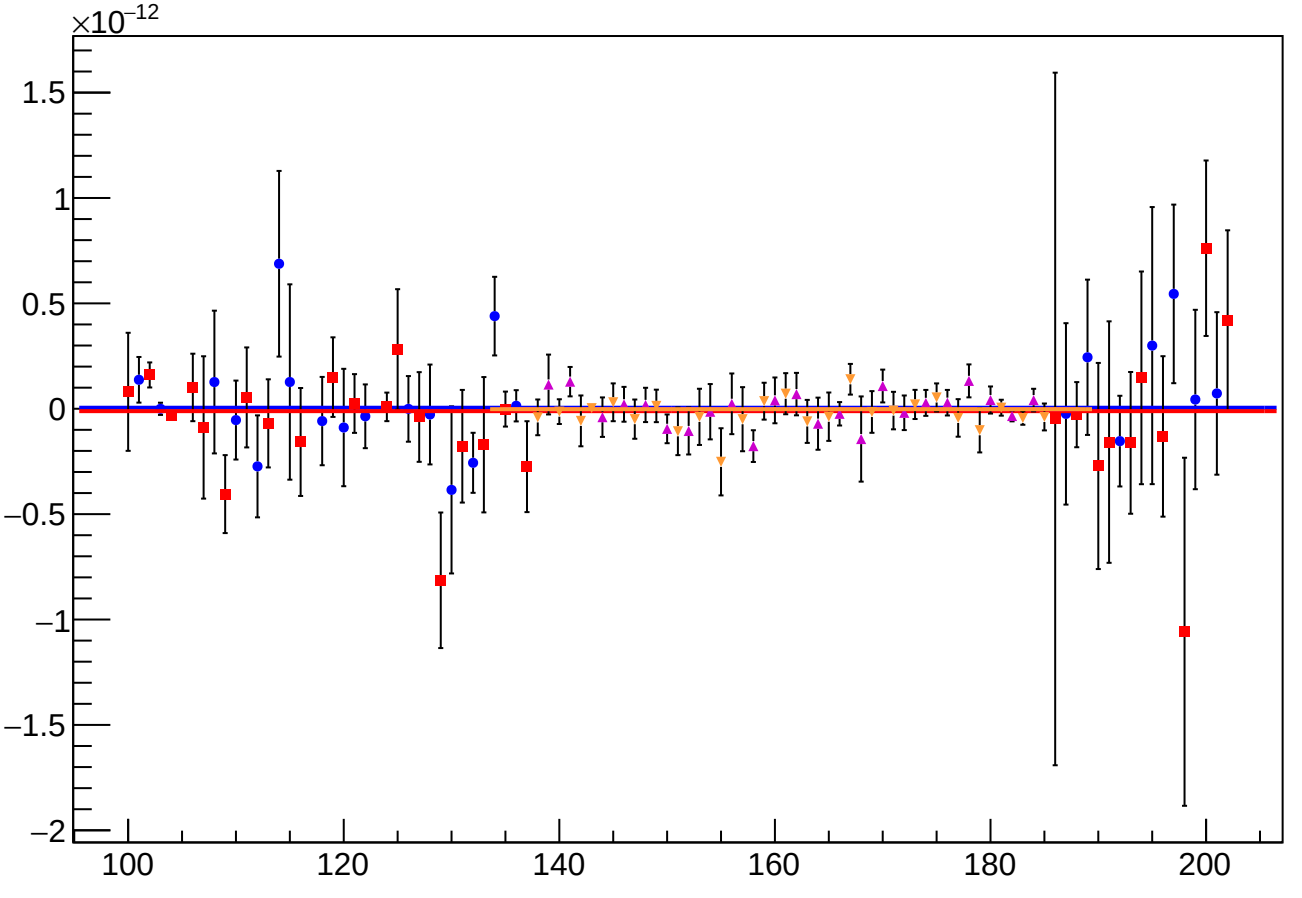
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 140.488+/-0.021 χ^2/NDF: 5583203.4/51

In: 194.926+/-0.029 χ^2/NDF:12424287.3/45

Out: 168.105+/-0.025 χ^2/NDF:19198520.6/53

All: 179.819+/-0.019 χ^2/NDF: 32113432.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/28

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

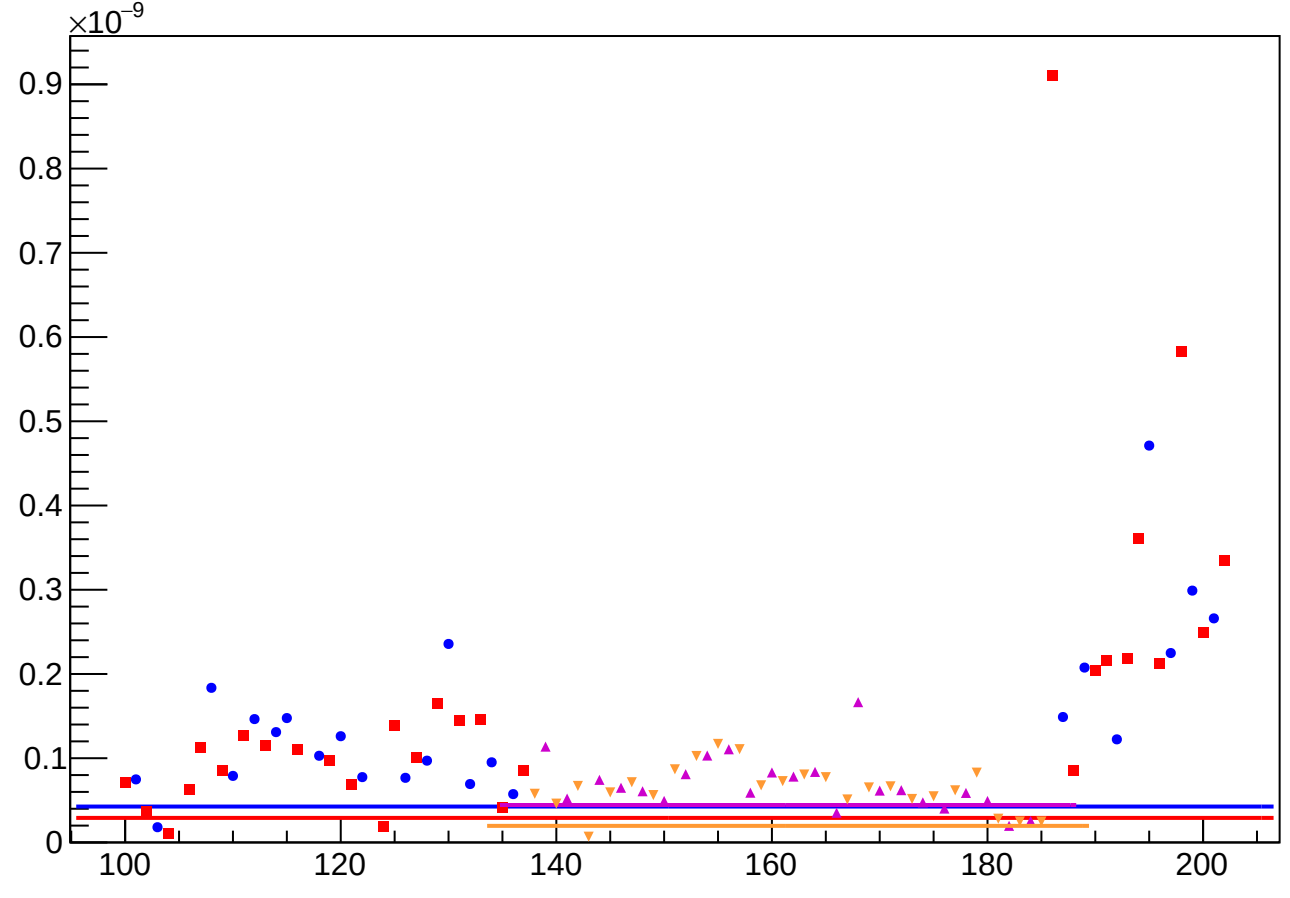
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 50.7/51

In: -0.000+/-0.000 χ^2/NDF:41.0/45

Out: -0.000+/-0.000 χ^2/NDF:45.8/53

All: -0.000+/-0.000 χ^2/NDF: 86.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 7439493.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10536187.6/28

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

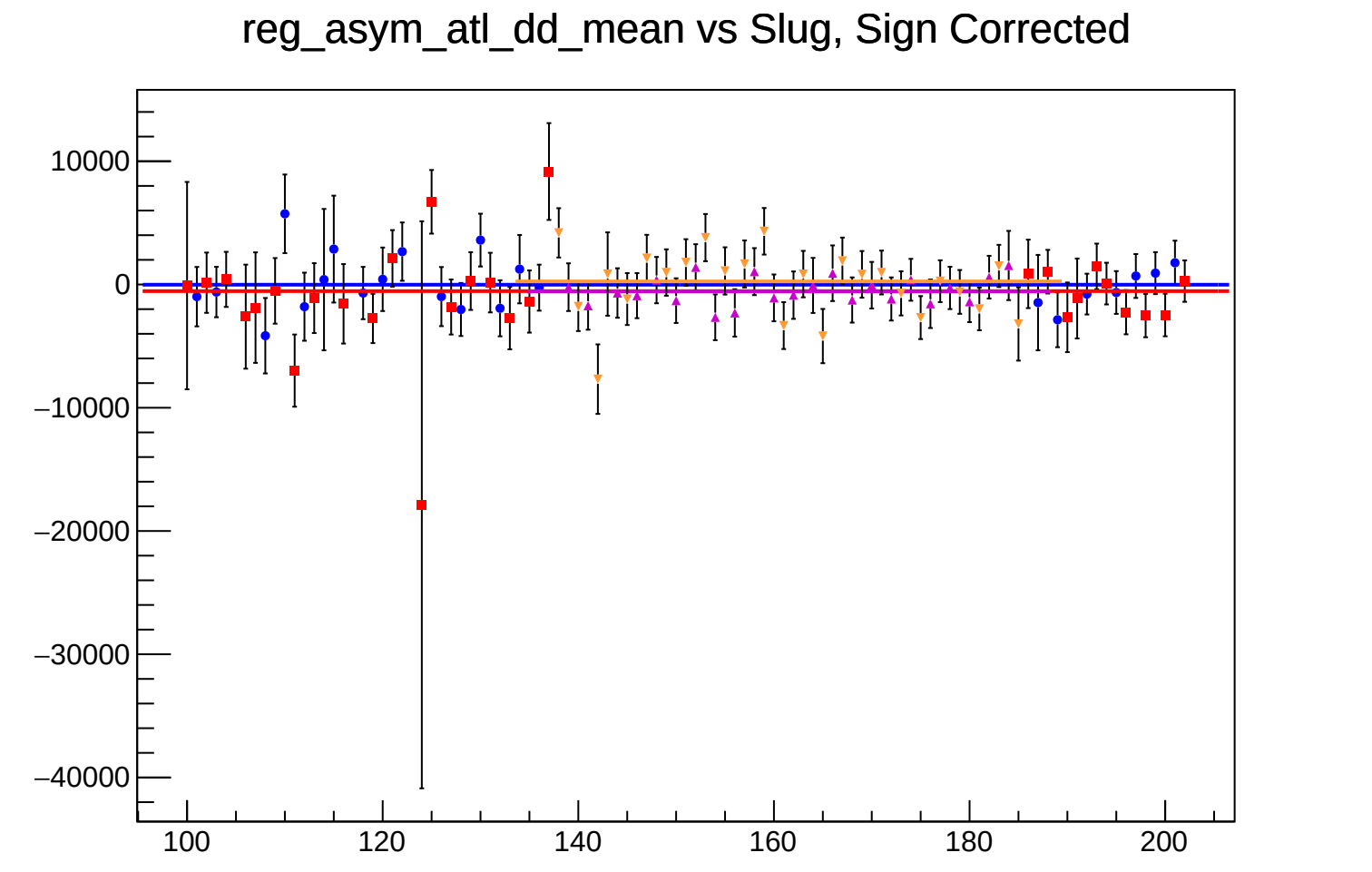
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 18384396.1/51

In: 0.000+/-0.000 χ^2/NDF:13368250.1/45

Out: 0.000+/-0.000 χ^2/NDF:25867125.3/53

All: 0.000+/-0.000 χ^2/NDF: 44258127.3/99



Right In: -17.001+/-469.295 χ^2/NDF: 16.0/22

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -537.069+/-441.639 χ^2/NDF: 30.7/28

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

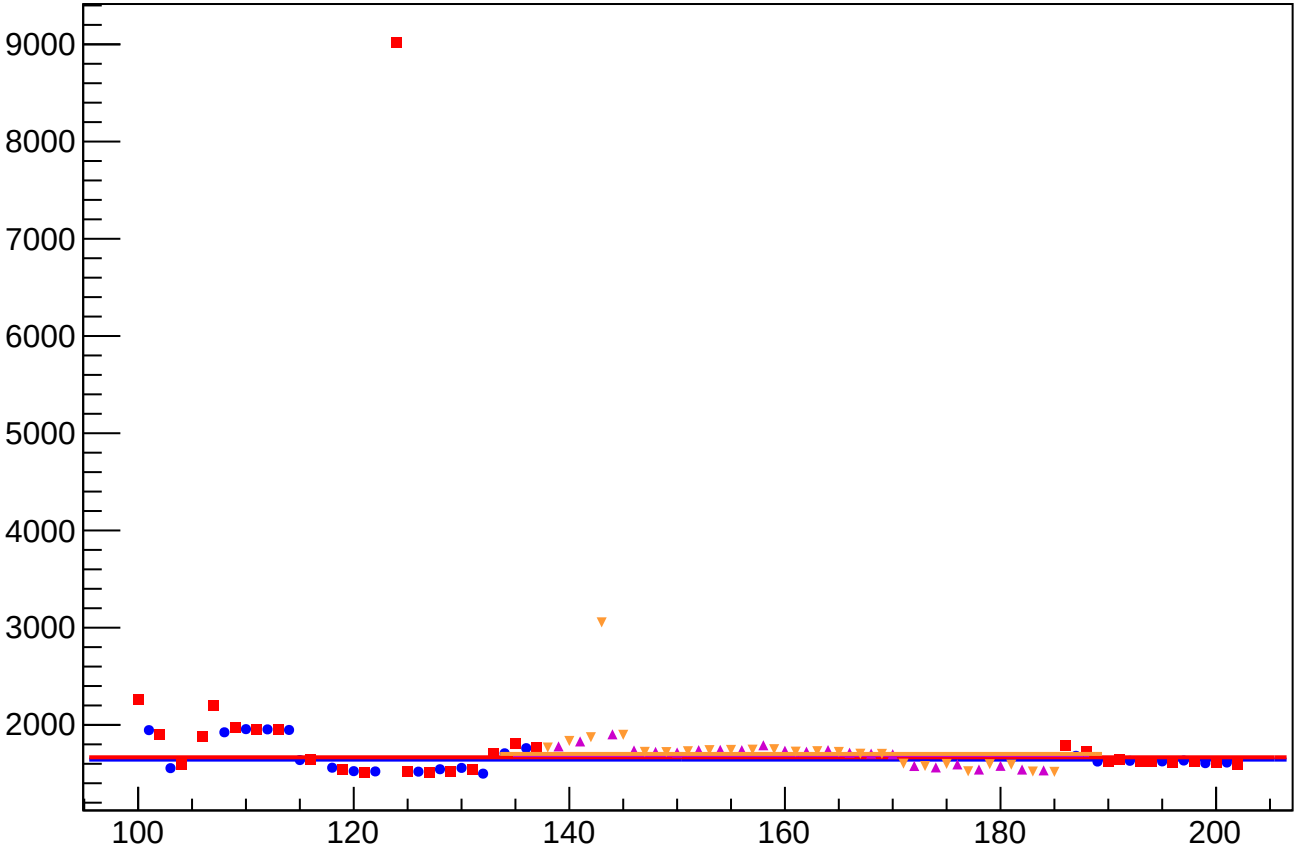
Right: -292.810+/-321.619 χ^2/NDF: 47.4/51

In: -334.756+/-302.252 χ^2/NDF:24.3/45

Out: -94.679+/-291.837 χ^2/NDF:72.1/53

All: -210.510+/-209.946 χ^2/NDF: 96.7/99

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1643.011+/-0.332 χ^2/NDF: 147237.0/22

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1666.949+/-0.312 χ^2/NDF: 408247.9/28

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

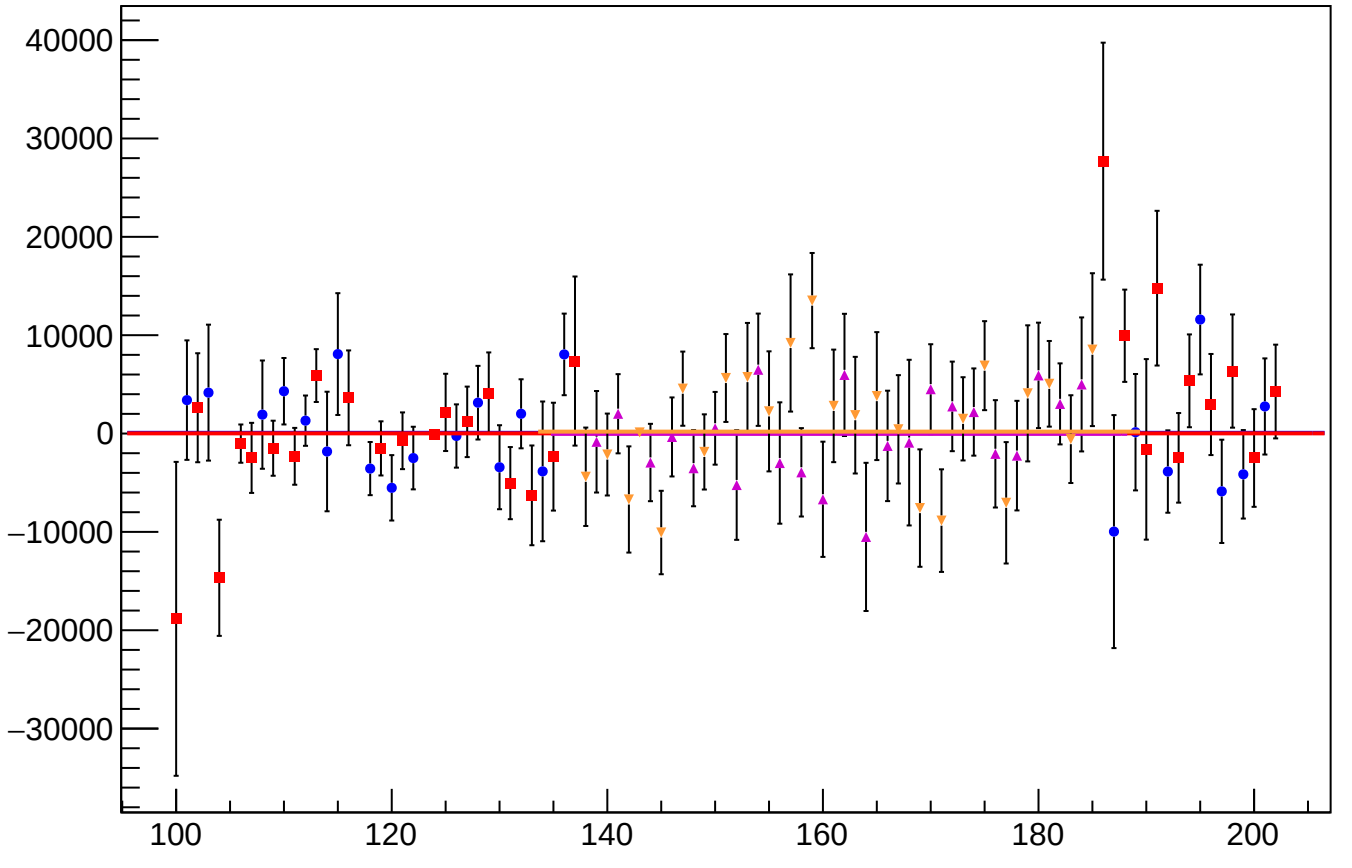
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1655.733+/-0.227 χ^2/NDF: 558250.5/51

In: 1670.075+/-0.214 χ^2/NDF:280921.4/45

Out: 1686.421+/-0.206 χ^2/NDF:867573.2/53

All: 1678.542+/-0.148 χ^2/NDF: 1151524.9/99



Right In: 71.696+/-865.475 χ^2/NDF: 23.6/22

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 17.872+/-318.321 χ^2/NDF: 38.5/28

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

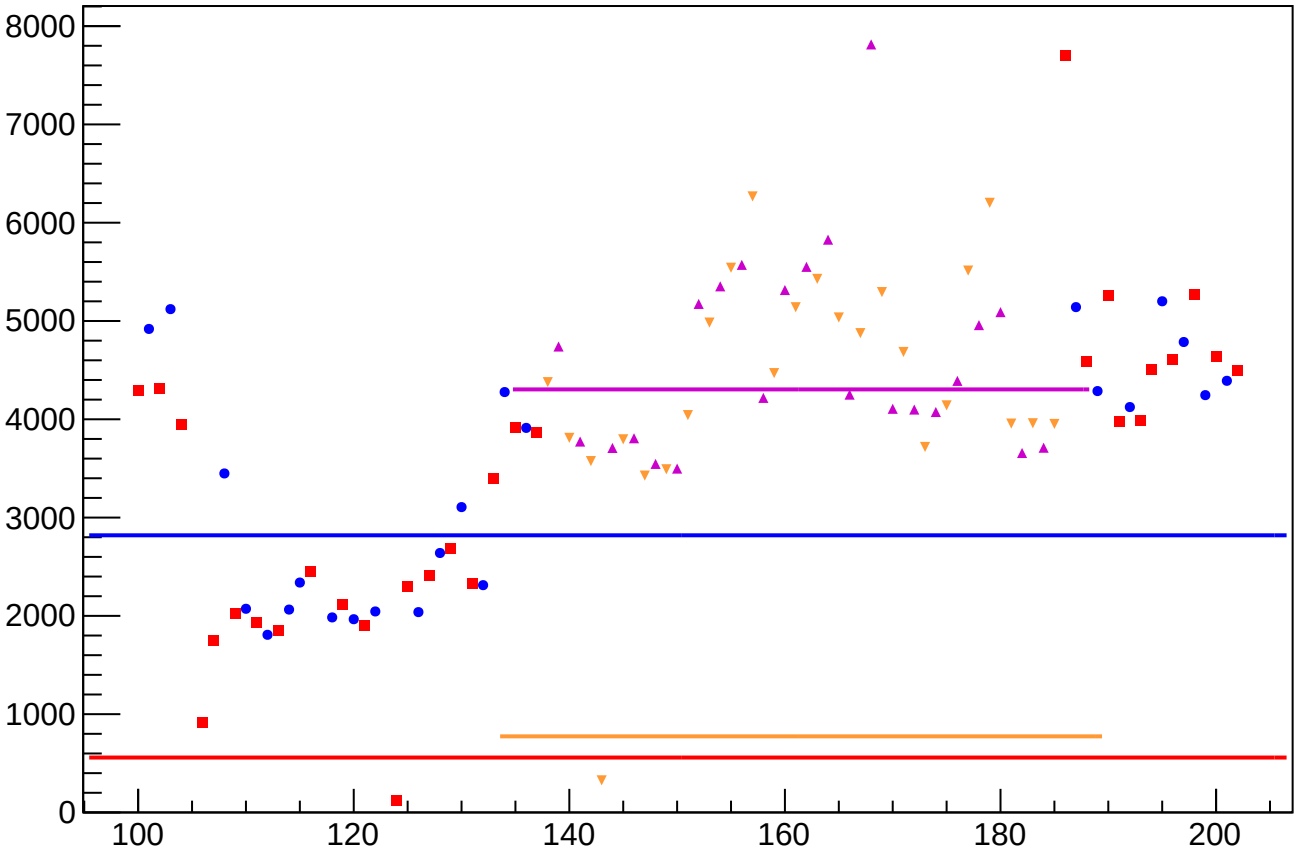
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 24.286+/-298.755 χ^2/NDF: 62.1/51

In: 29.921+/-661.404 χ^2/NDF:36.9/45

Out: 99.109+/-233.366 χ^2/NDF:72.6/53

All: 91.449+/-220.069 χ^2/NDF: 109.5/99



Right In: 2819.734+/-0.612 χ^2/NDF: 3225770.5/22

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 558.685+/-0.225 χ^2/NDF: 22346189.2/28

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

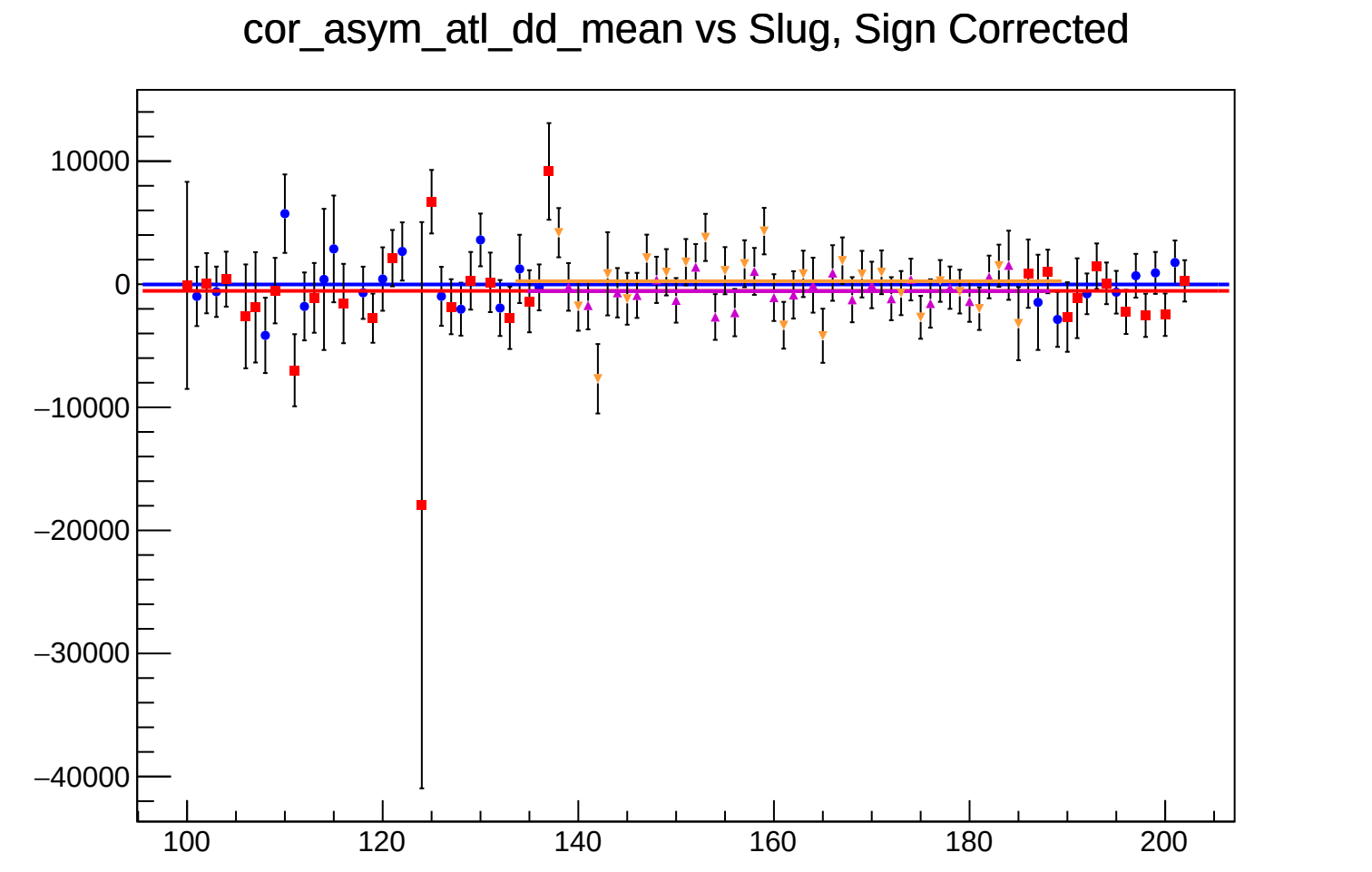
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 828.105+/-0.211 χ^2/NDF: 37595697.8/51

In: 3437.170+/-0.468 χ^2/NDF:6889302.6/45

Out: 658.385+/-0.165 χ^2/NDF:50855944.5/53

All: 966.022+/-0.156 χ^2/NDF: 89139522.1/99



Right In: -16.954+/-469.295 χ^2/NDF: 16.0/22

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -539.142+/-441.641 χ^2/NDF: 30.7/28

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

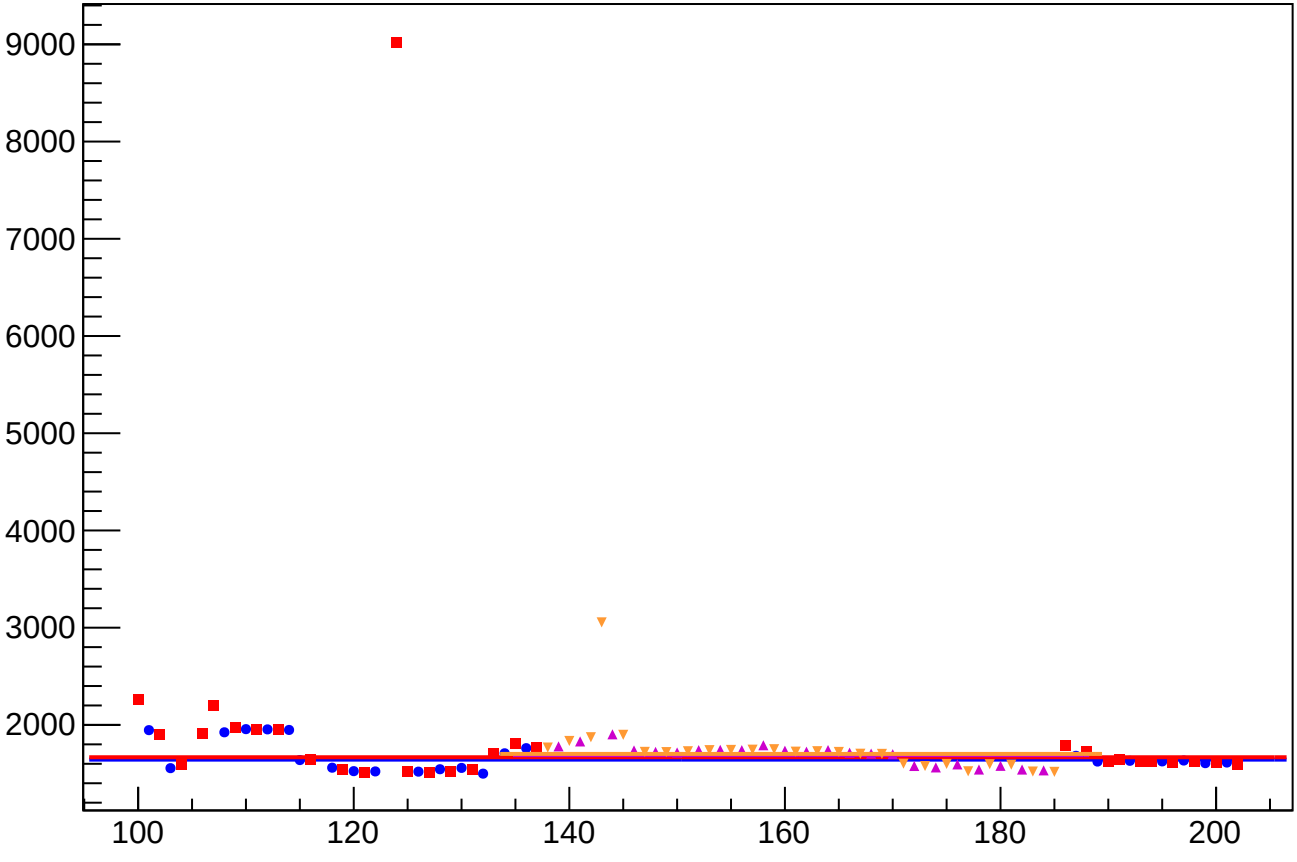
Right: -293.886+/-321.619 χ^2/NDF: 47.4/51

In: -334.717+/-302.252 χ^2/NDF:24.3/45

Out: -95.592+/-291.838 χ^2/NDF:72.1/53

All: -210.964+/-209.946 χ^2/NDF: 96.7/99

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1643.011+/-0.332 χ^2/NDF: 147237.0/22

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1667.323+/-0.312 χ^2/NDF: 410232.6/28

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

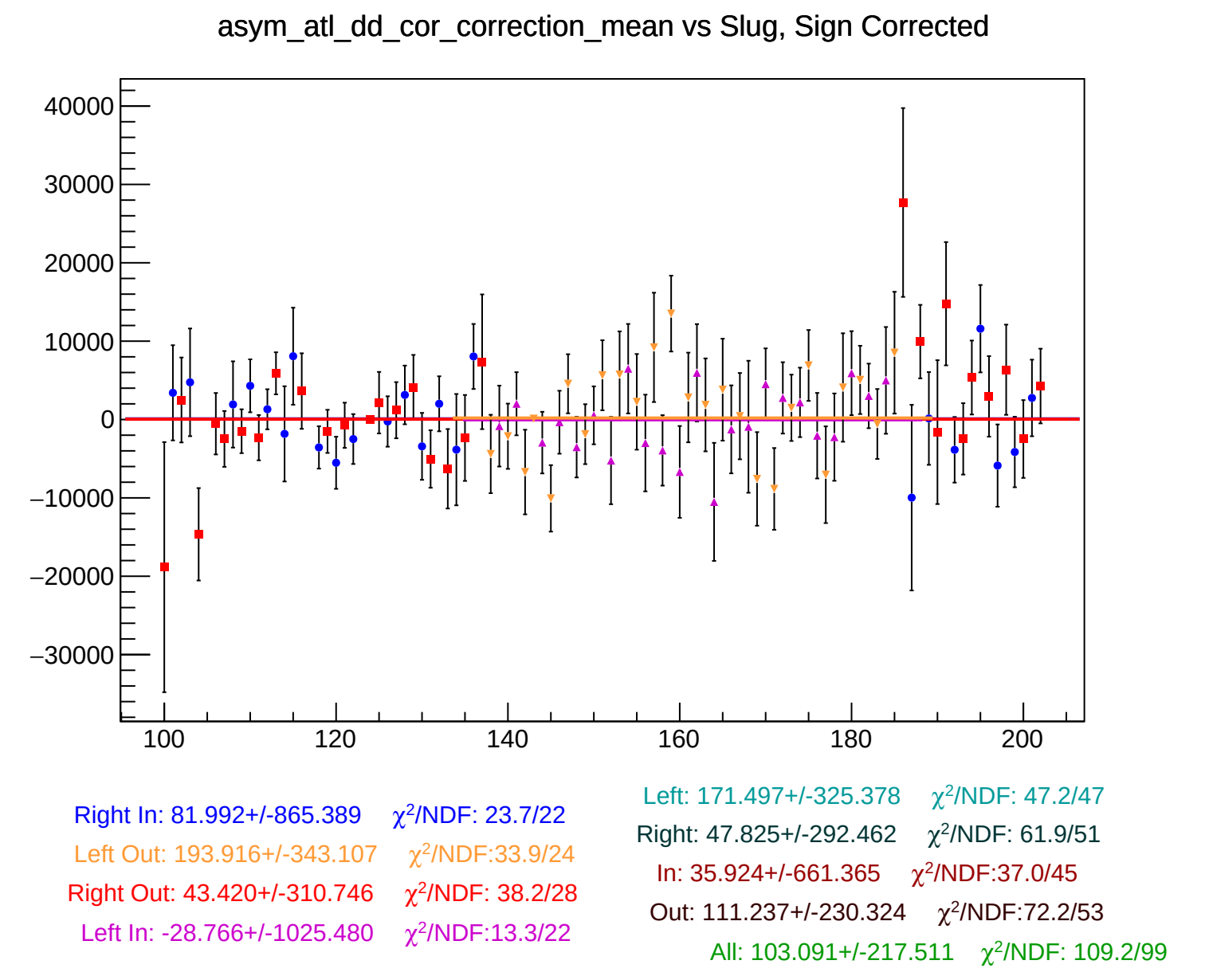
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

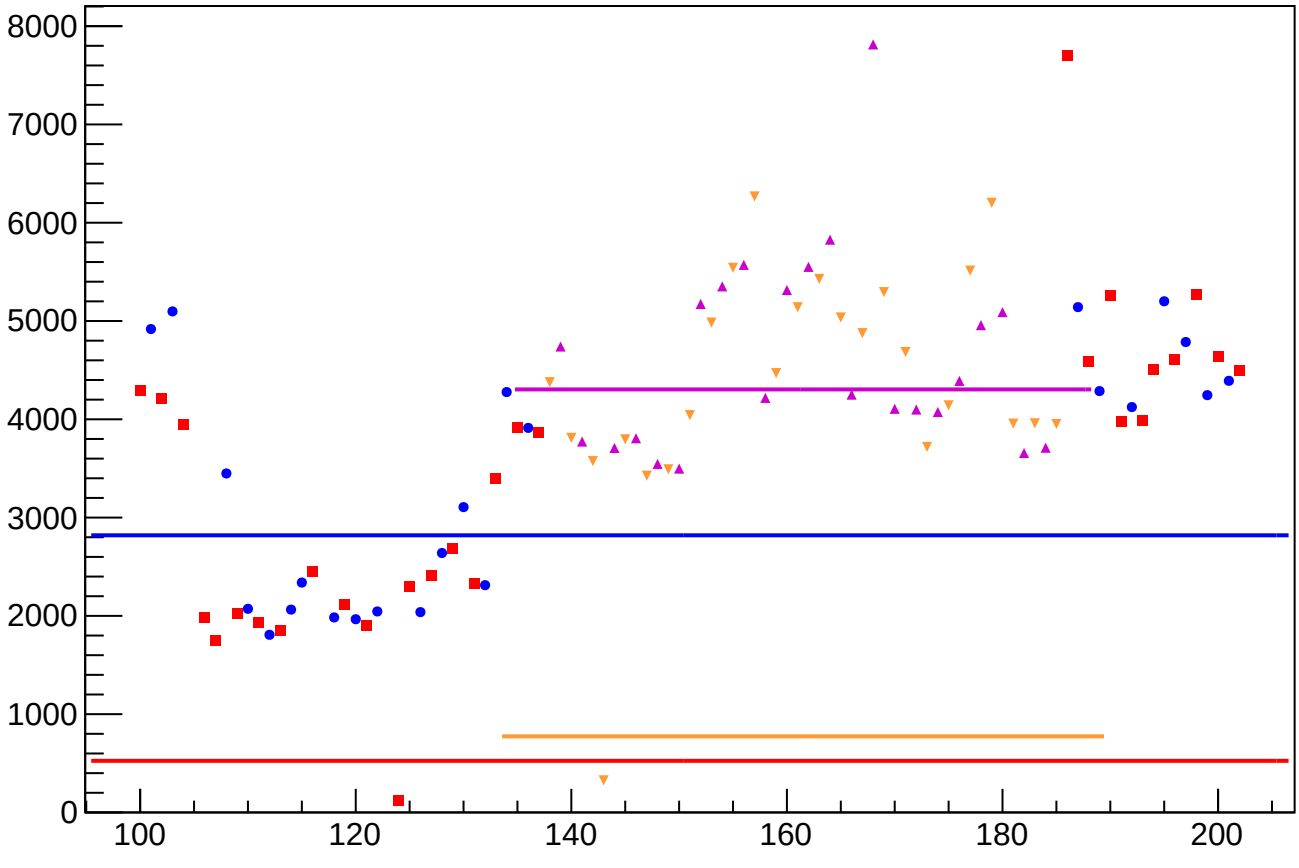
Right: 1655.929+/-0.227 χ^2/NDF: 560321.6/51

In: 1670.075+/-0.214 χ^2/NDF:280921.4/45

Out: 1686.589+/-0.206 χ^2/NDF:869407.1/53

All: 1678.628+/-0.148 χ^2/NDF: 1153420.9/99


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 81.992+/-865.389 χ²/NDF: 23.7/22
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: 43.420+/-310.746 χ²/NDF: 38.2/28
Left In: -28.766+/-1025.480 χ²/NDF:13.3/22
Left: 171.497+/-325.378 χ²/NDF: 47.2/47
Right: 47.825+/-292.462 χ²/NDF: 61.9/51
In: 35.924+/-661.365 χ²/NDF:37.0/45
Out: 111.237+/-230.324 χ²/NDF:72.2/53
All: 103.091+/-217.511 χ²/NDF: 109.2/99



Right In: 2819.791+/-0.612 χ^2/NDF: 3223879.4/22

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 525.419+/-0.220 χ^2/NDF: 22854656.6/28

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

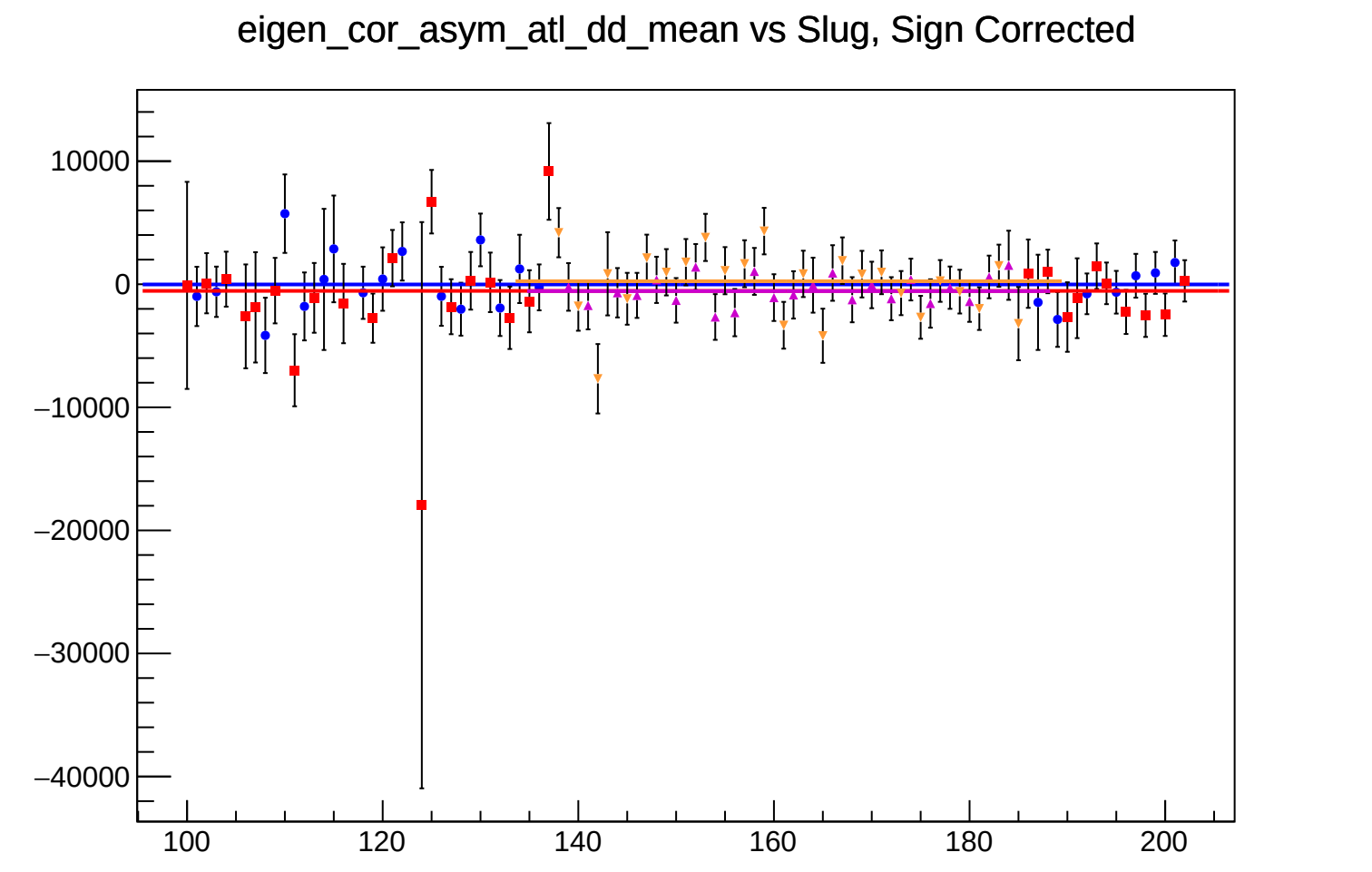
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 787.467+/-0.207 χ^2/NDF: 38531261.1/51

In: 3437.129+/-0.468 χ^2/NDF:6887407.3/45

Out: 637.501+/-0.163 χ^2/NDF:51518505.2/53

All: 940.319+/-0.154 χ^2/NDF: 90367922.2/99



Right In: -16.954+/-469.295 χ^2/NDF: 16.0/22

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -539.142+/-441.641 χ^2/NDF: 30.7/28

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

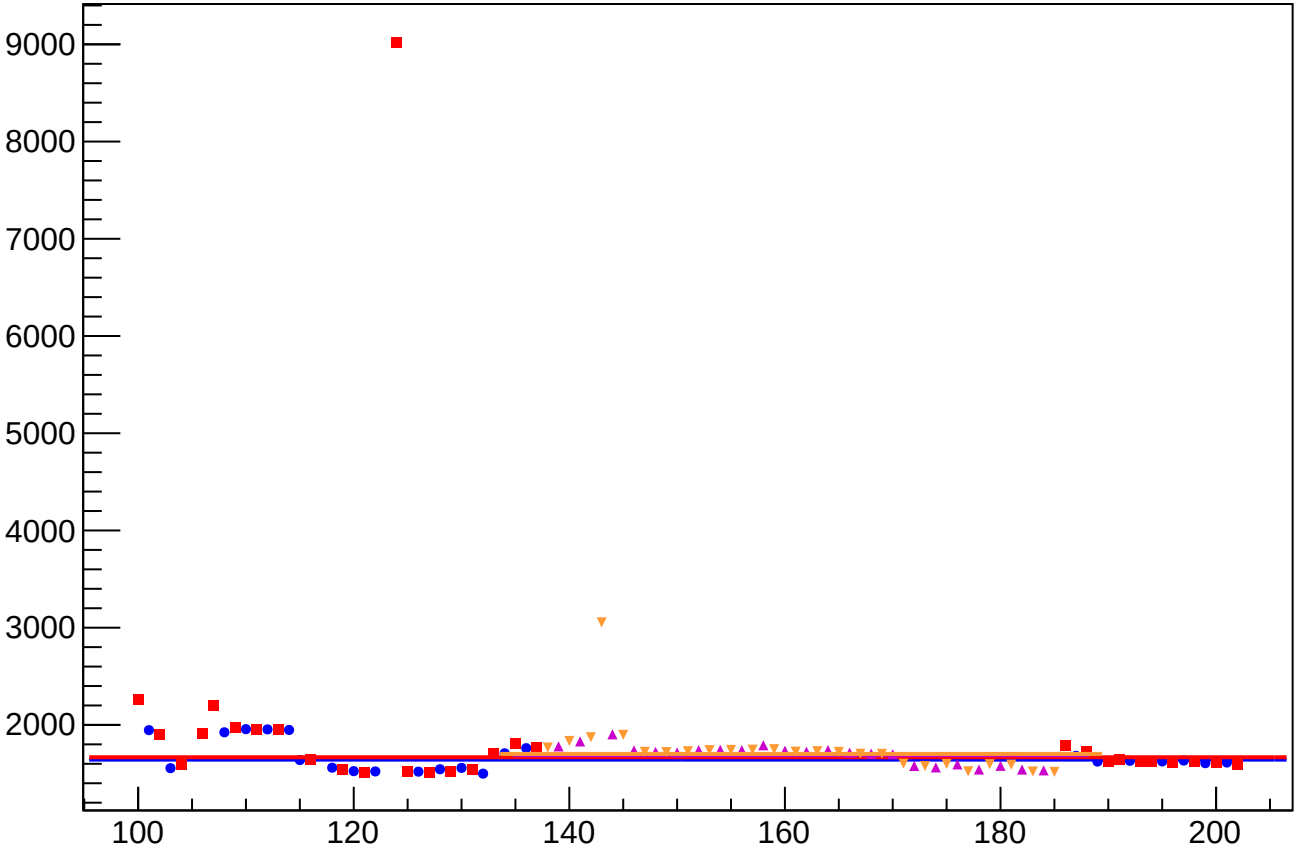
Right: -293.886+/-321.619 χ^2/NDF: 47.4/51

In: -334.717+/-302.252 χ^2/NDF:24.3/45

Out: -95.592+/-291.838 χ^2/NDF:72.1/53

All: -210.964+/-209.946 χ^2/NDF: 96.7/99

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1643.011+/-0.332 χ^2/NDF: 147237.0/22

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1667.323+/-0.312 χ^2/NDF: 410232.6/28

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

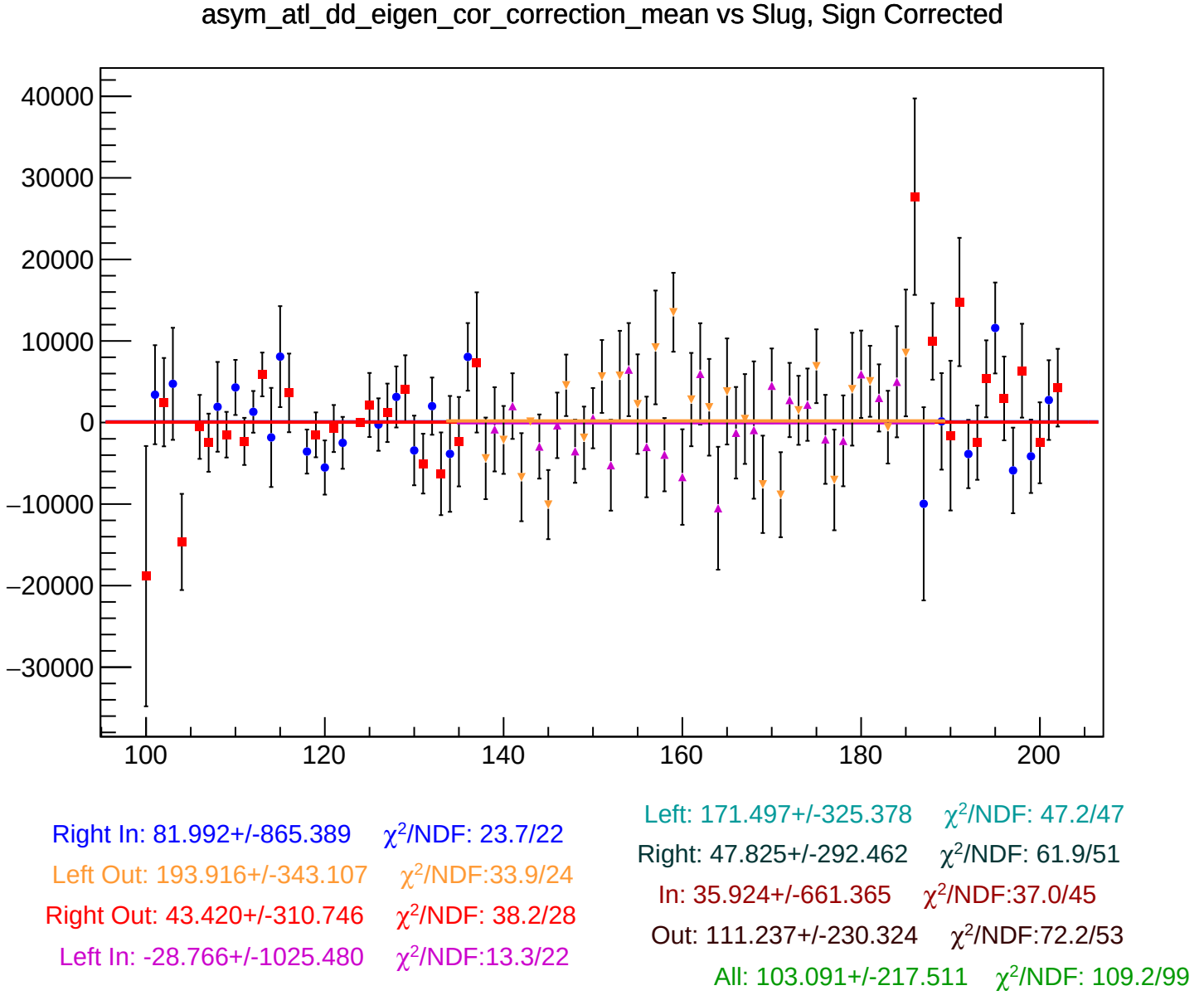
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1655.929+/-0.227 χ^2/NDF: 560321.6/51

In: 1670.075+/-0.214 χ^2/NDF:280921.4/45

Out: 1686.589+/-0.206 χ^2/NDF:869407.1/53

All: 1678.628+/-0.148 χ^2/NDF: 1153420.9/99


asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
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−10000
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120
140
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180
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Right In: 81.992+/-865.389 χ²/NDF: 23.7/22
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: 43.420+/-310.746 χ²/NDF: 38.2/28
Left In: -28.766+/-1025.480 χ²/NDF:13.3/22
Left: 171.497+/-325.378 χ²/NDF: 47.2/47
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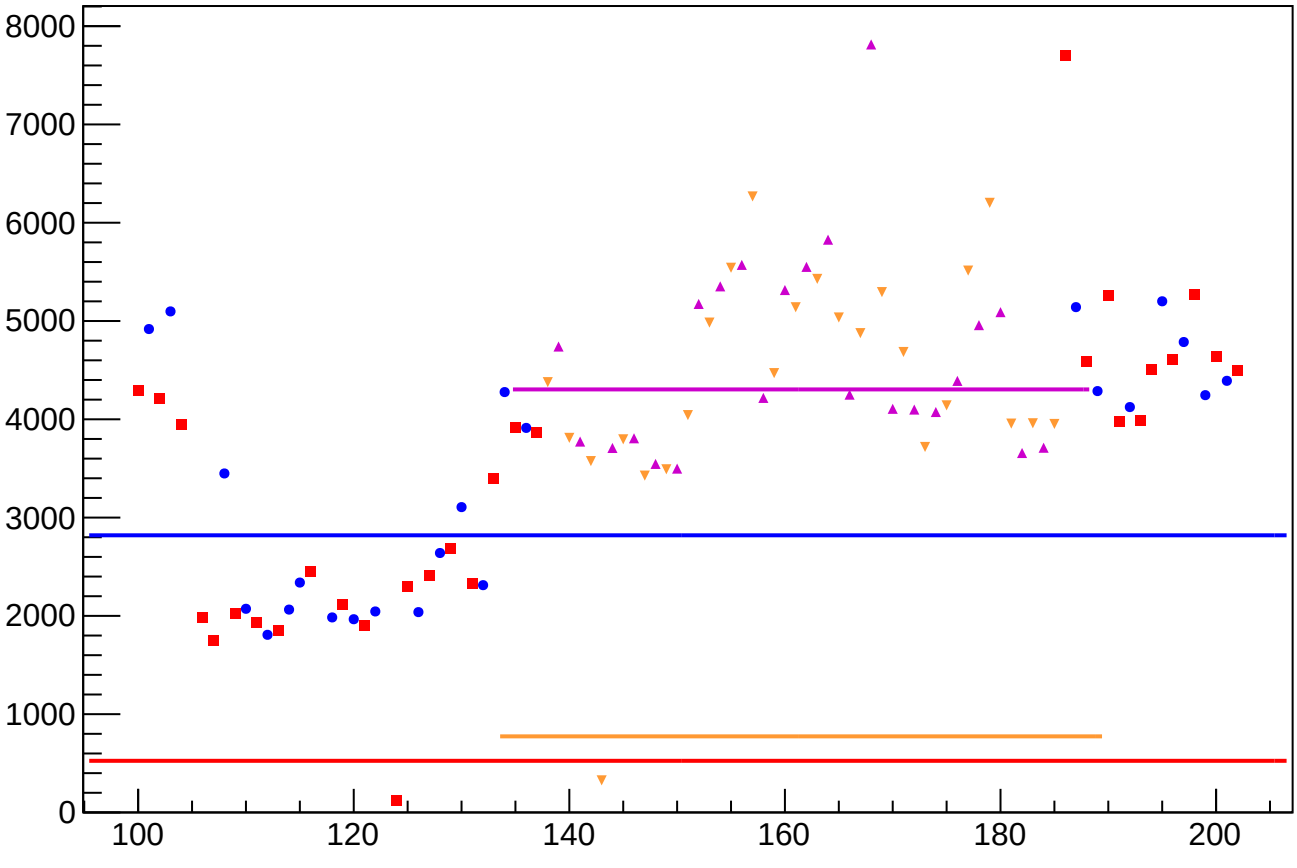
In: 35.924+/-661.365 χ²/NDF:37.0/45
Out: 111.237+/-230.324 χ²/NDF:72.2/53
All: 103.091+/-217.511 χ²/NDF: 109.2/99



Right In: 2819.791+/-0.612 χ^2/NDF: 3223879.4/22

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 525.419+/-0.220 χ^2/NDF: 22854656.6/28

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

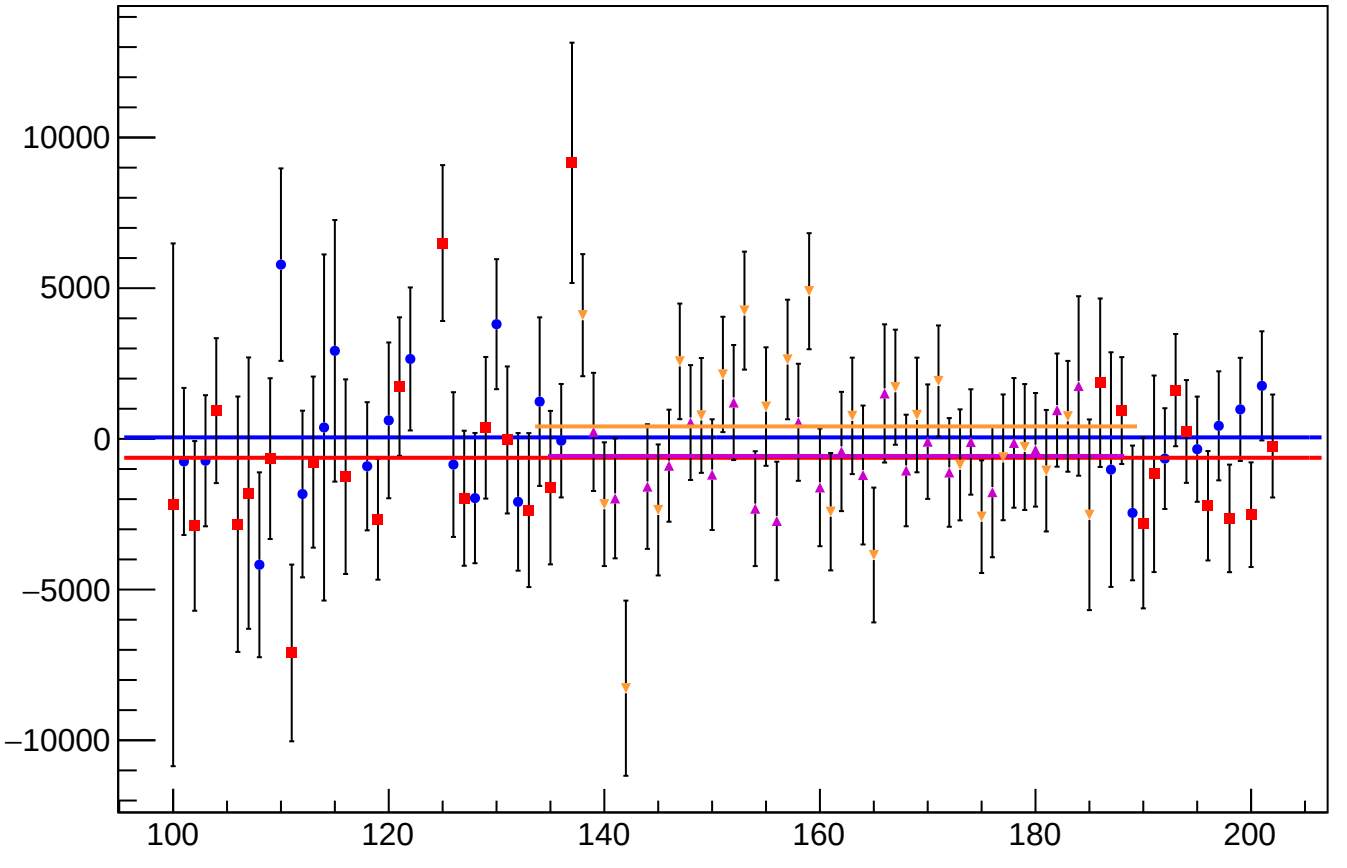
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 787.467+/-0.207 χ^2/NDF: 38531261.1/51

In: 3437.129+/-0.468 χ^2/NDF:6887407.3/45

Out: 637.501+/-0.163 χ^2/NDF:51518505.2/53

All: 940.319+/-0.154 χ^2/NDF: 90367922.2/99



Right In: 49.666+/-473.803 χ^2/NDF: 15.6/22

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -627.060+/-447.634 χ^2/NDF: 30.5/27

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

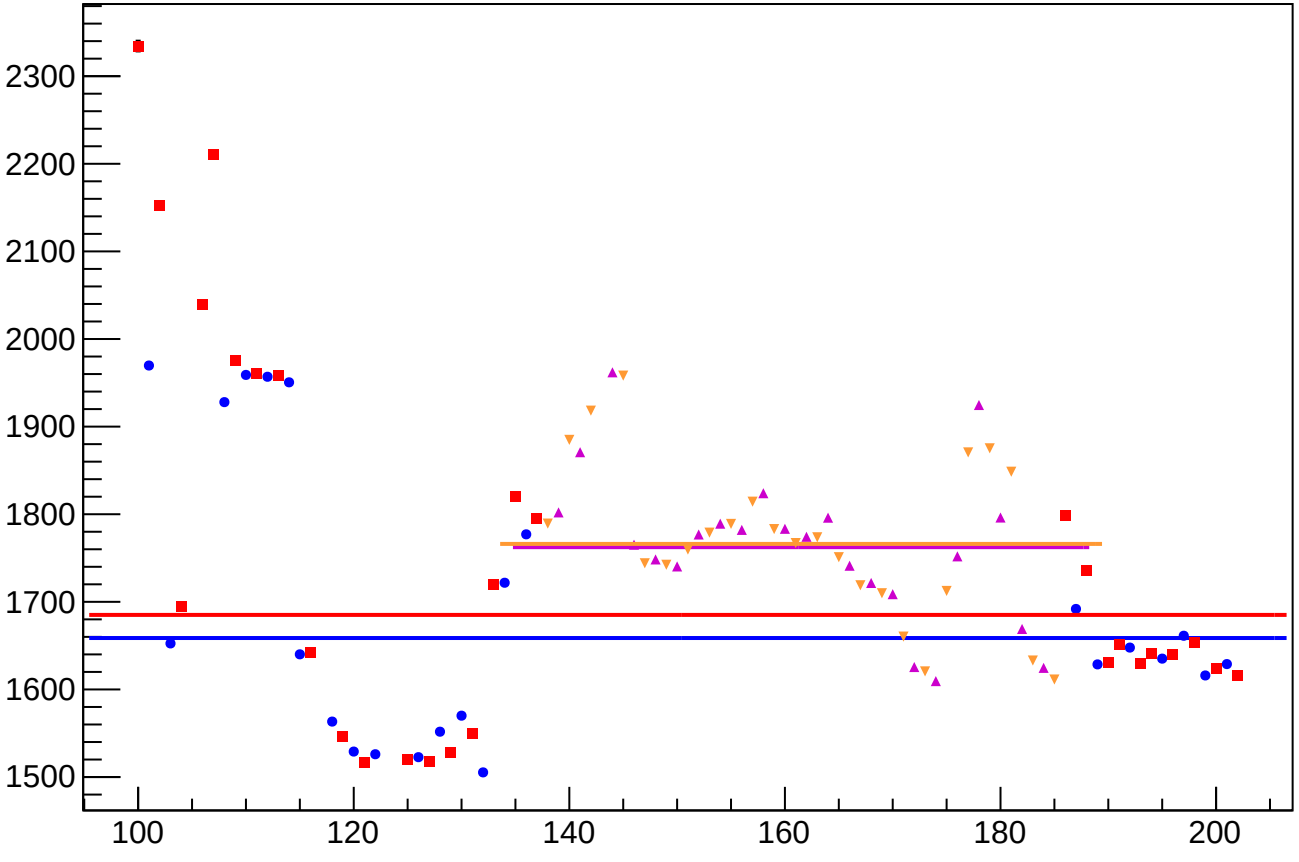
Right: -307.901+/-325.383 χ^2/NDF: 47.1/50

In: -302.484+/-310.921 χ^2/NDF:24.3/45

Out: -61.984+/-302.559 χ^2/NDF:73.4/51

All: -178.957+/-216.837 χ^2/NDF: 98.0/97

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1658.701+/-0.335 χ^2/NDF: 144772.3/22

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1685.081+/-0.316 χ^2/NDF: 249483.7/27

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

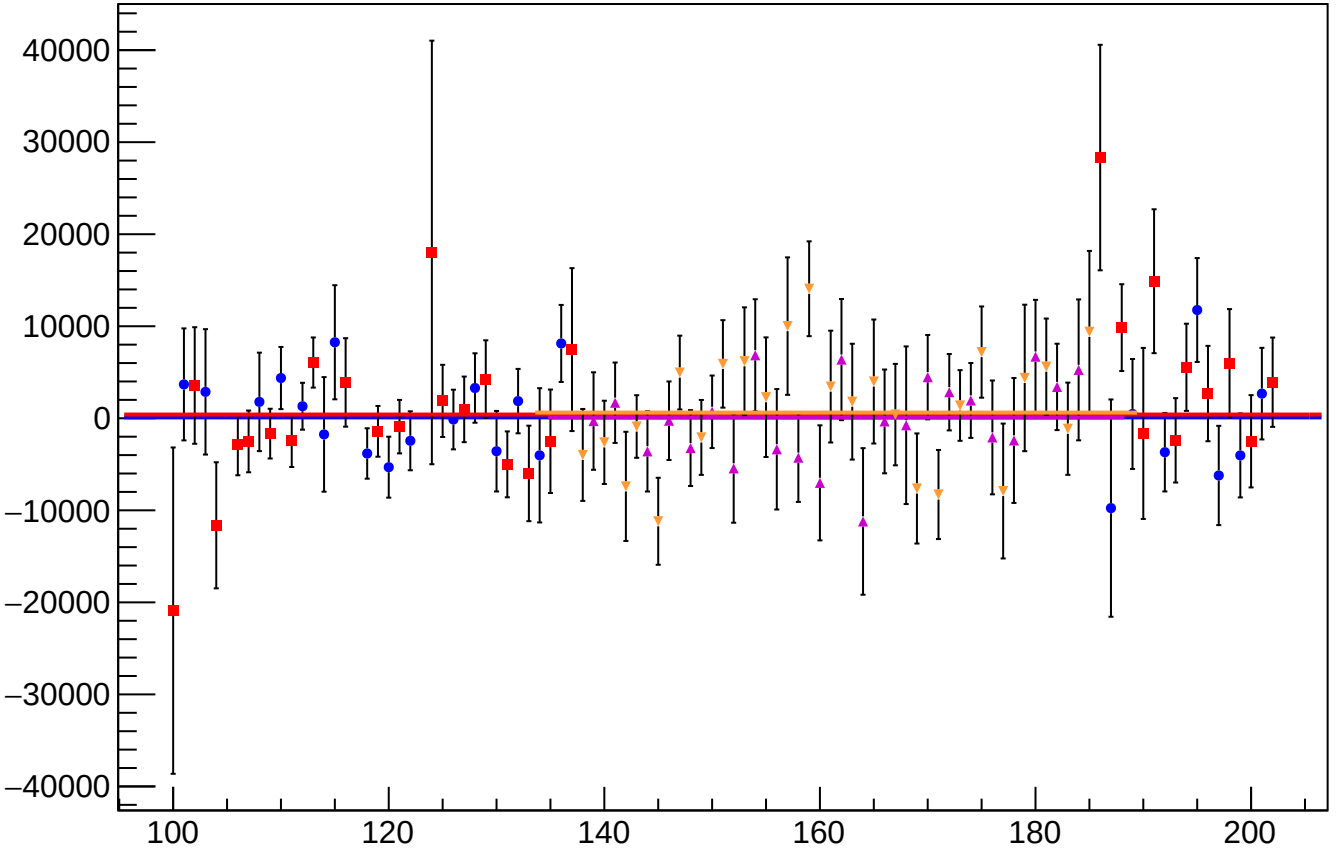
Right: 1672.654+/-0.230 χ^2/NDF: 397535.4/50

In: 1717.747+/-0.220 χ^2/NDF:279416.8/45

Out: 1729.050+/-0.214 χ^2/NDF:368378.3/51

All: 1723.555+/-0.153 χ^2/NDF: 649153.3/97

asym_atl_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 98.074+/-870.760 χ^2/NDF: 23.5/22

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 405.829+/-790.605 χ^2/NDF: 36.1/28

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

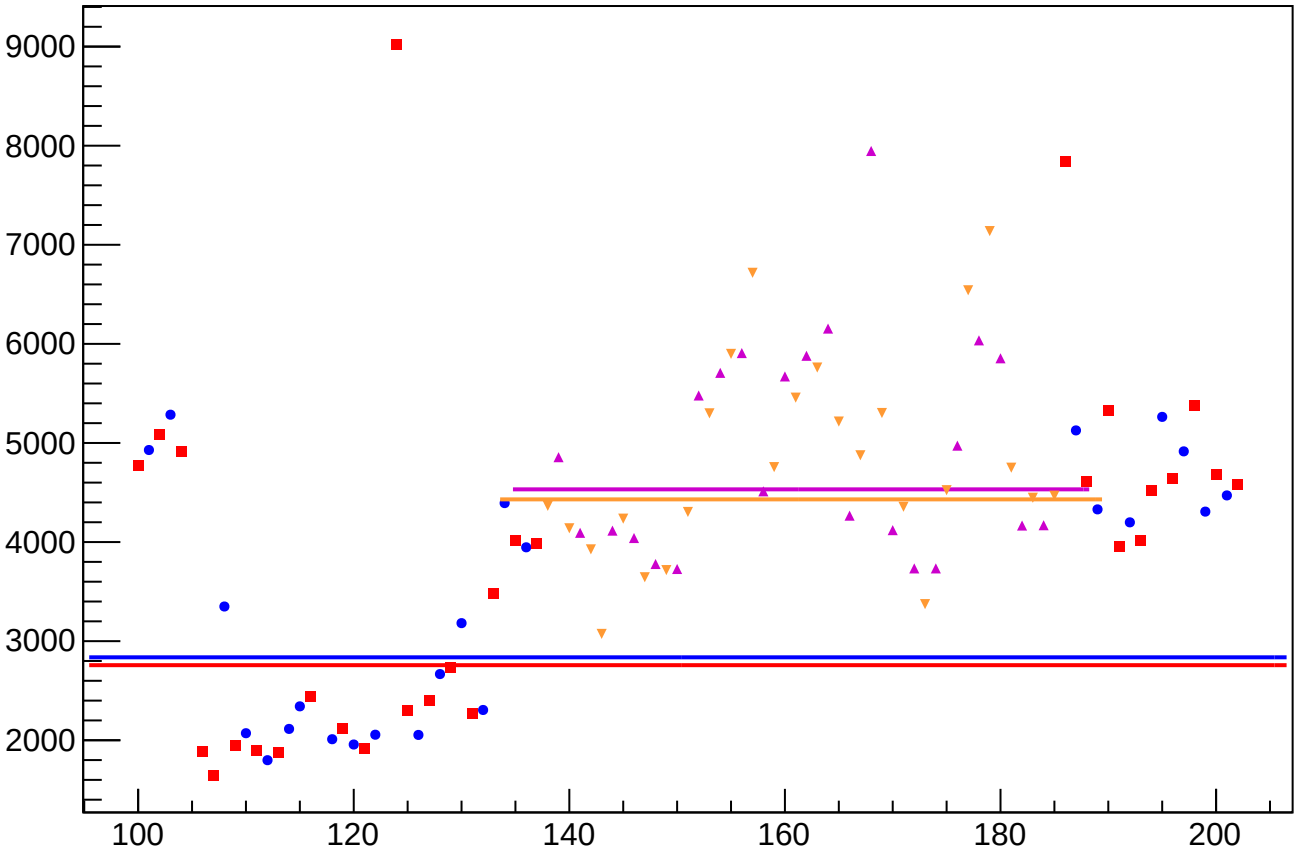
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 266.765+/-585.333 χ^2/NDF: 59.7/51

In: 93.139+/-678.494 χ^2/NDF:36.4/45

Out: 484.655+/-628.200 χ^2/NDF:69.2/53

All: 303.944+/-460.960 χ^2/NDF: 105.8/99



Right In: 2836.920+/-0.616 χ^2/NDF: 3335443.6/22

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2757.625+/-0.559 χ^2/NDF: 4638260.5/28

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

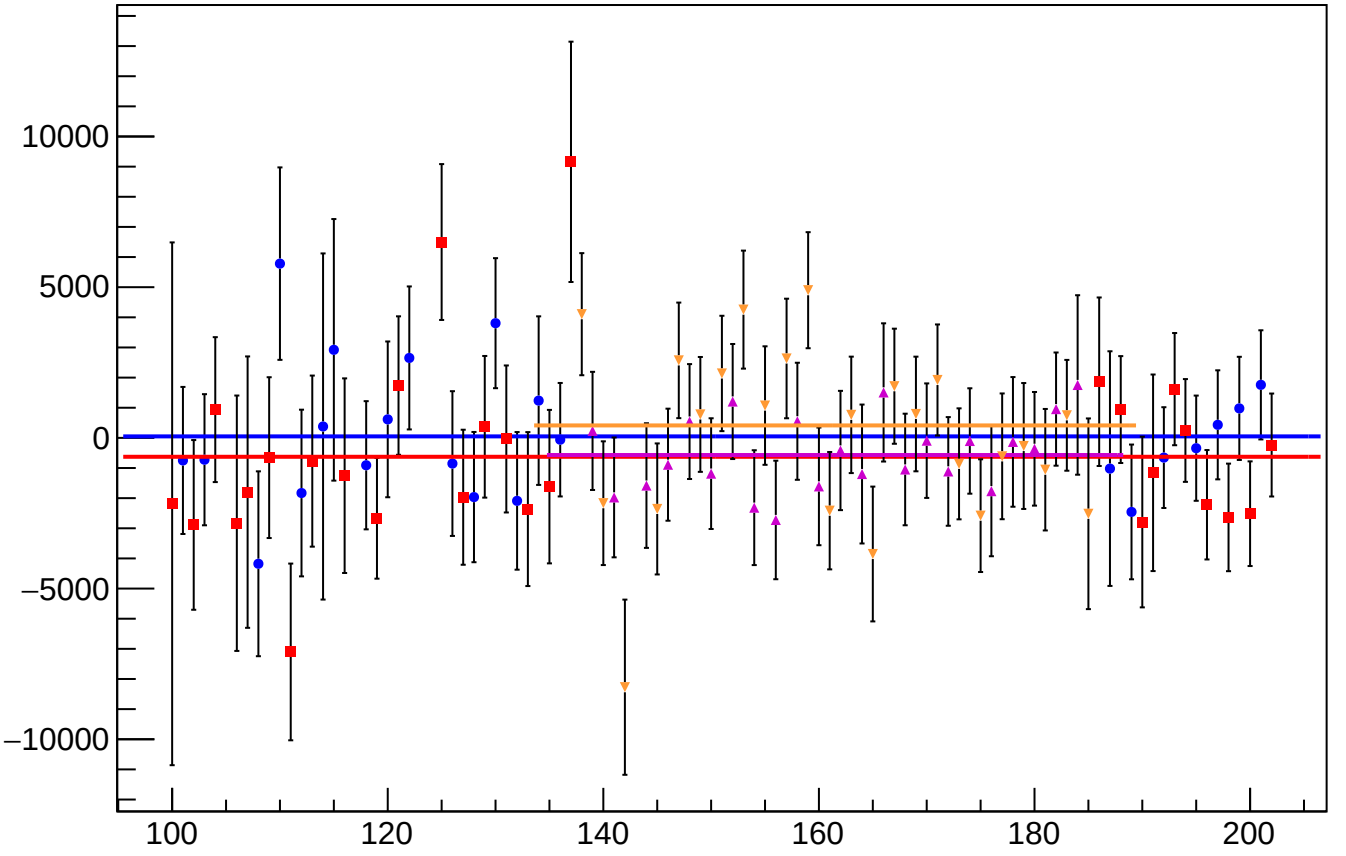
Right: 2793.456+/-0.414 χ^2/NDF: 7982795.0/51

In: 3502.814+/-0.480 χ^2/NDF:7689156.3/45

Out: 3374.423+/-0.444 χ^2/NDF:9553663.7/53

All: 3433.684+/-0.326 χ^2/NDF: 17281380.0/9

eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 49.666+/-473.803 χ^2/NDF: 15.6/22

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -627.061+/-447.634 χ^2/NDF: 30.5/27

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

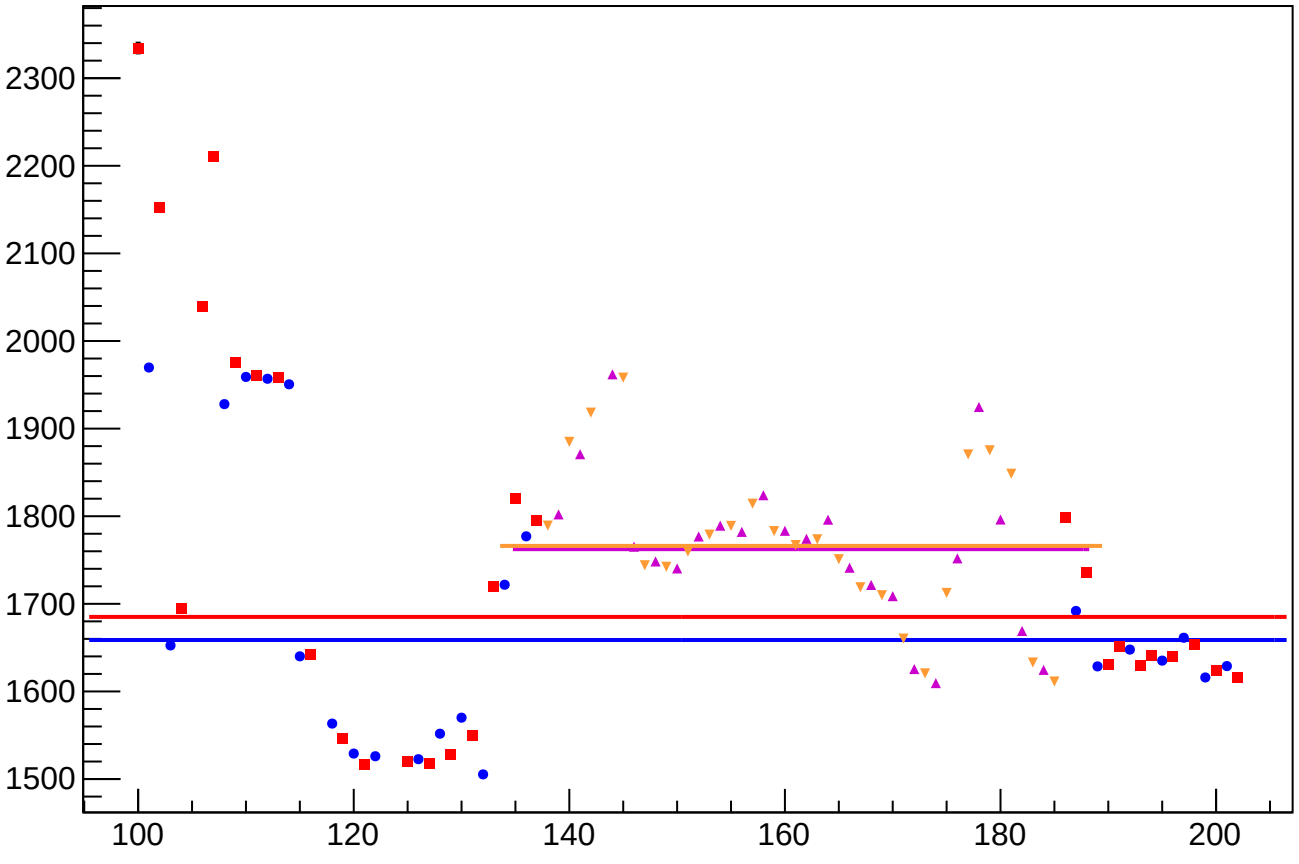
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -307.901+/-325.383 χ^2/NDF: 47.1/50

In: -302.483+/-310.921 χ^2/NDF:24.3/45

Out: -61.984+/-302.559 χ^2/NDF:73.4/51

All: -178.956+/-216.838 χ^2/NDF: 98.0/97



Right In: 1658.701+/-0.335 χ^2/NDF: 144772.4/22

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1685.081+/-0.316 χ^2/NDF: 249482.7/27

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

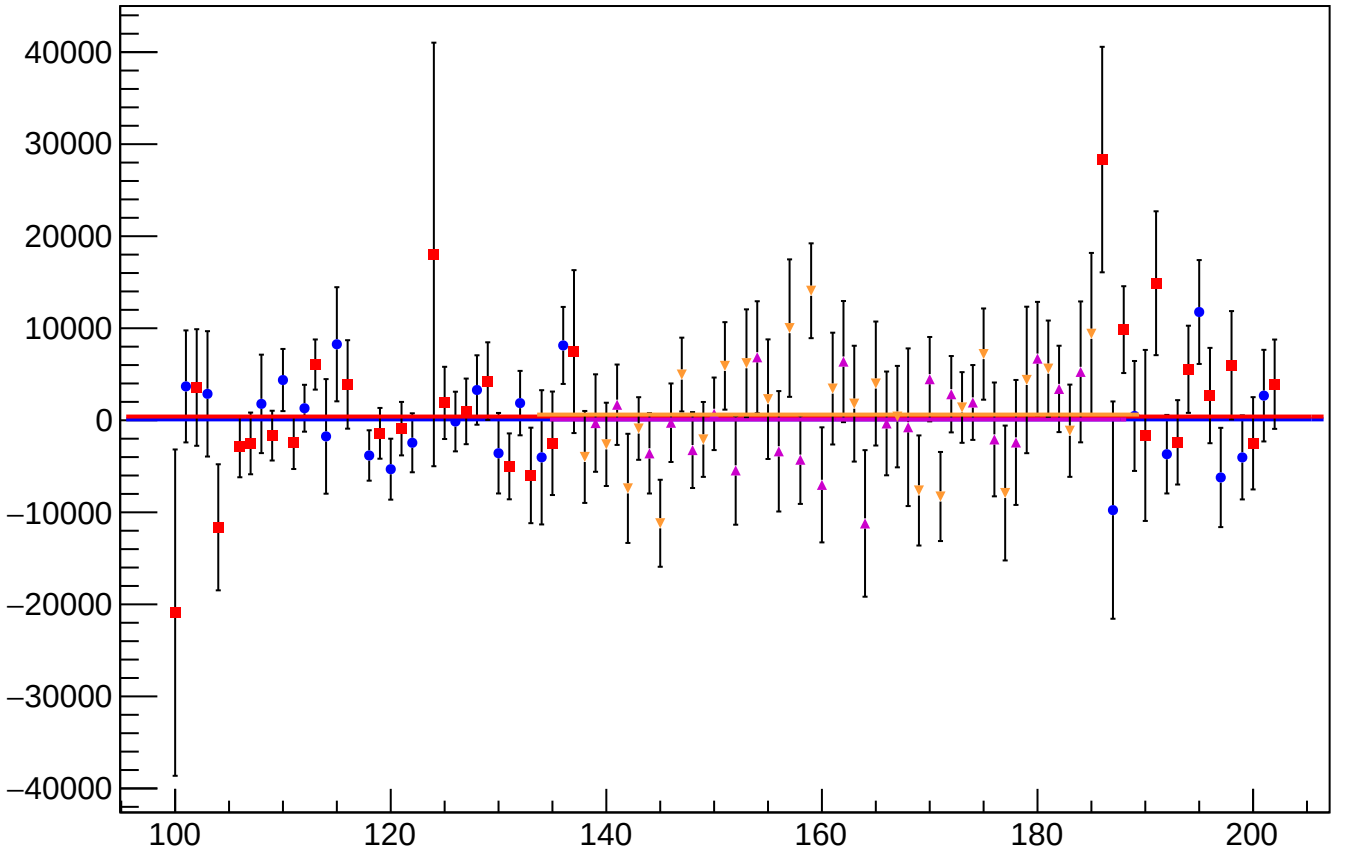
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1672.654+/-0.230 χ^2/NDF: 397534.5/50

In: 1717.748+/-0.220 χ^2/NDF:279420.6/45

Out: 1729.050+/-0.214 χ^2/NDF:368381.2/51

All: 1723.556+/-0.153 χ^2/NDF: 649159.9/97



Right In: 98.070+/-870.758 χ^2/NDF: 23.5/22

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 405.823+/-790.603 χ^2/NDF: 36.1/28

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

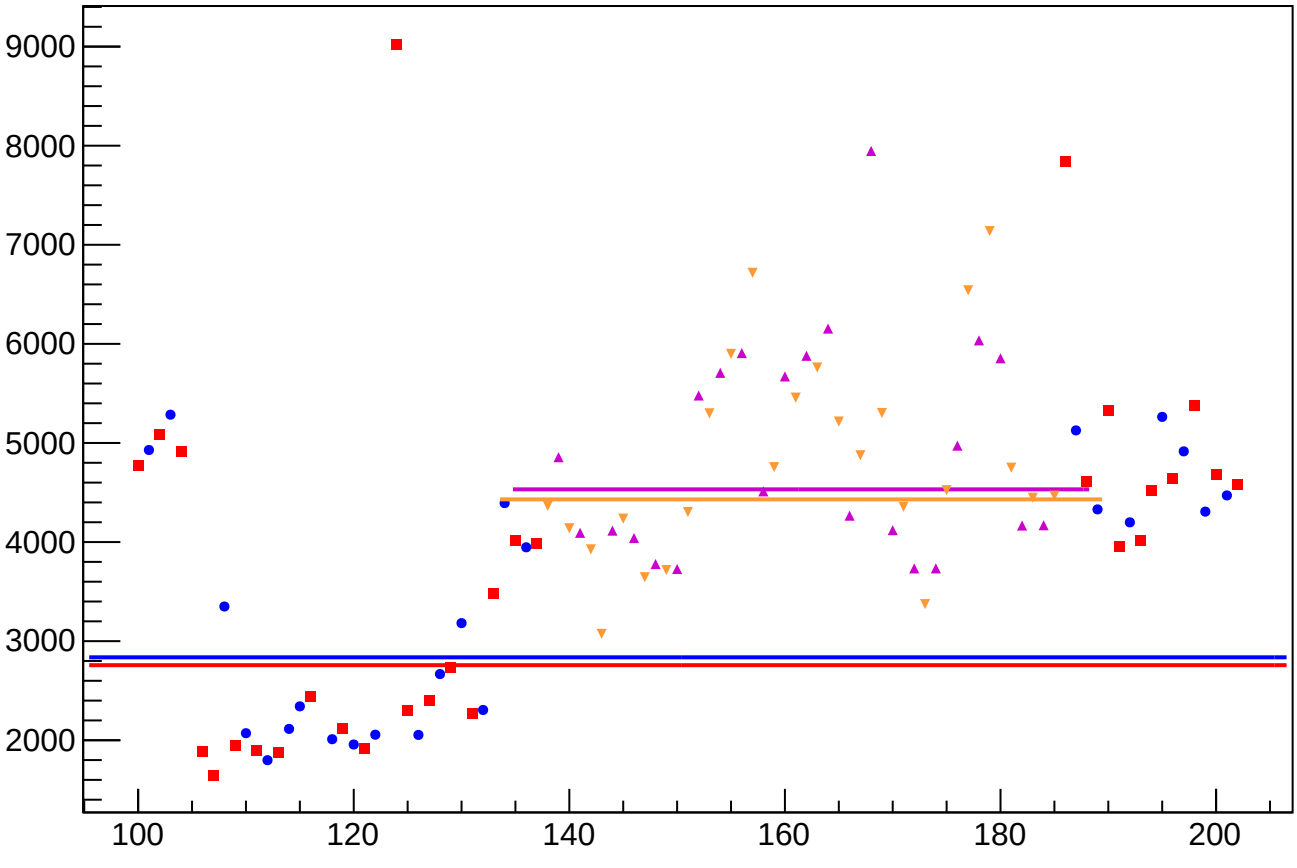
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 266.760+/-585.331 χ^2/NDF: 59.7/51

In: 93.136+/-678.493 χ^2/NDF:36.4/45

Out: 484.653+/-628.199 χ^2/NDF:69.2/53

All: 303.941+/-460.960 χ^2/NDF: 105.8/99



Right In: 2836.909+/-0.616 χ^2/NDF: 3335483.3/22

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2757.616+/-0.559 χ^2/NDF: 4638299.8/28

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

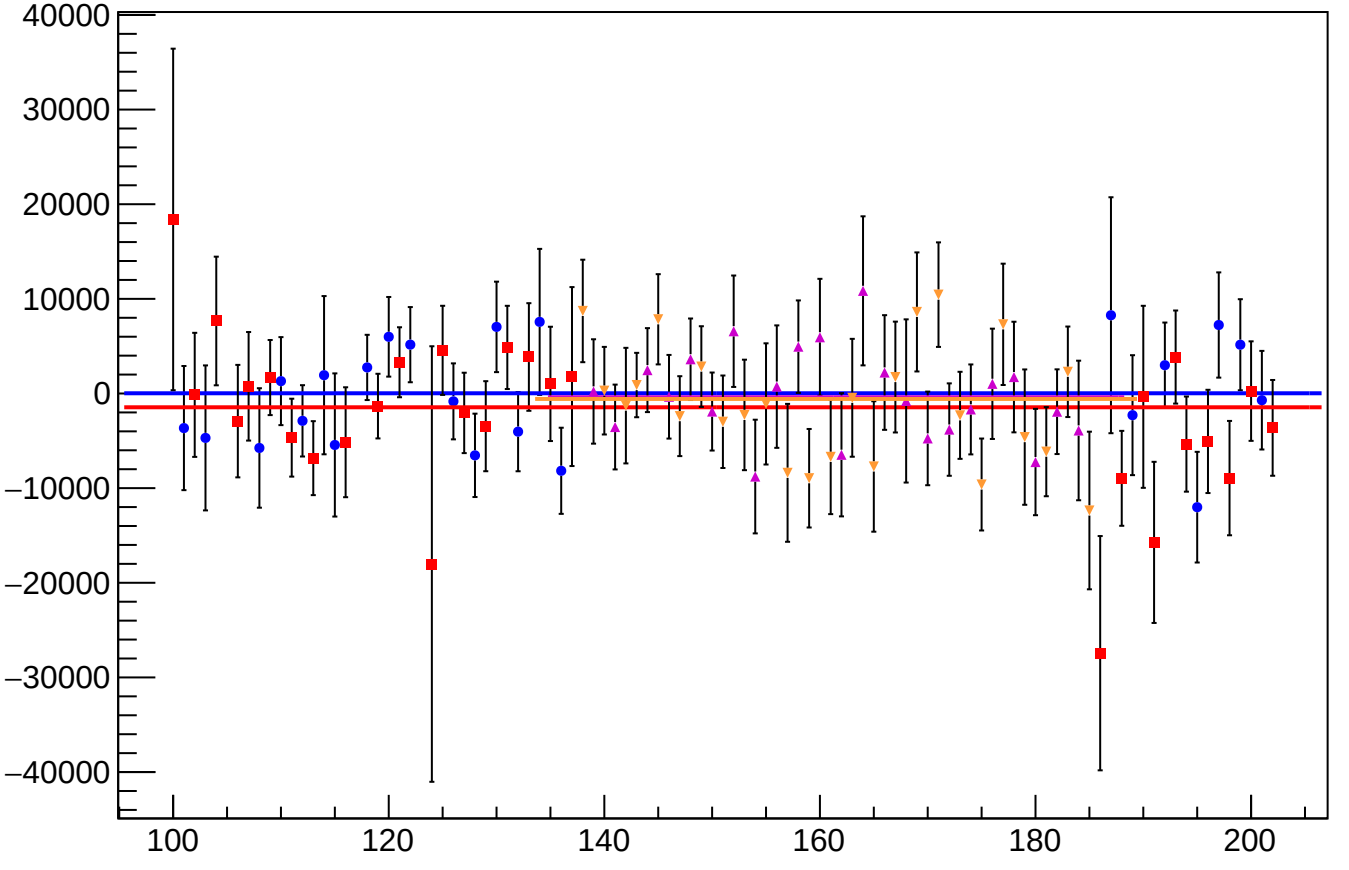
Right: 2793.446+/-0.414 χ^2/NDF: 7982873.6/51

In: 3502.806+/-0.480 χ^2/NDF:7689262.3/45

Out: 3374.417+/-0.444 χ^2/NDF:9553768.6/53

All: 3433.677+/-0.326 χ^2/NDF: 17281590.3/9

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 24.304+/-1042.700 χ^2/NDF: 24.7/22

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1456.665+/-980.902 χ^2/NDF: 27.5/28

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

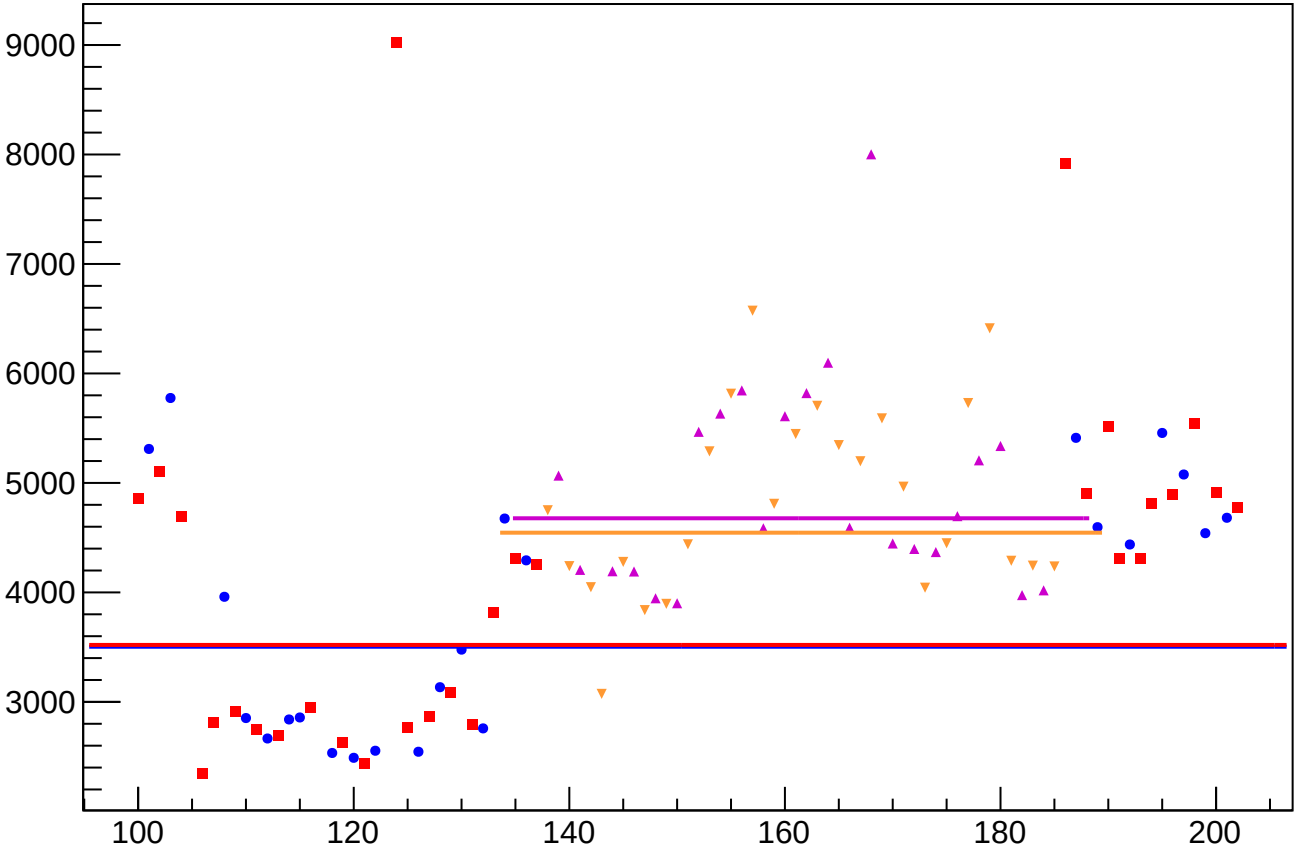
Right: -761.365+/-714.451 χ^2/NDF: 53.3/51

In: -173.944+/-759.815 χ^2/NDF:38.8/45

Out: -1046.940+/-718.319 χ^2/NDF:56.7/53

All: -634.931+/-521.982 χ^2/NDF: 96.2/99

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3503.922+/-0.737 χ^2/NDF: 1961503.6/22

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3520.211+/-0.687 χ^2/NDF: 2530195.8/28

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

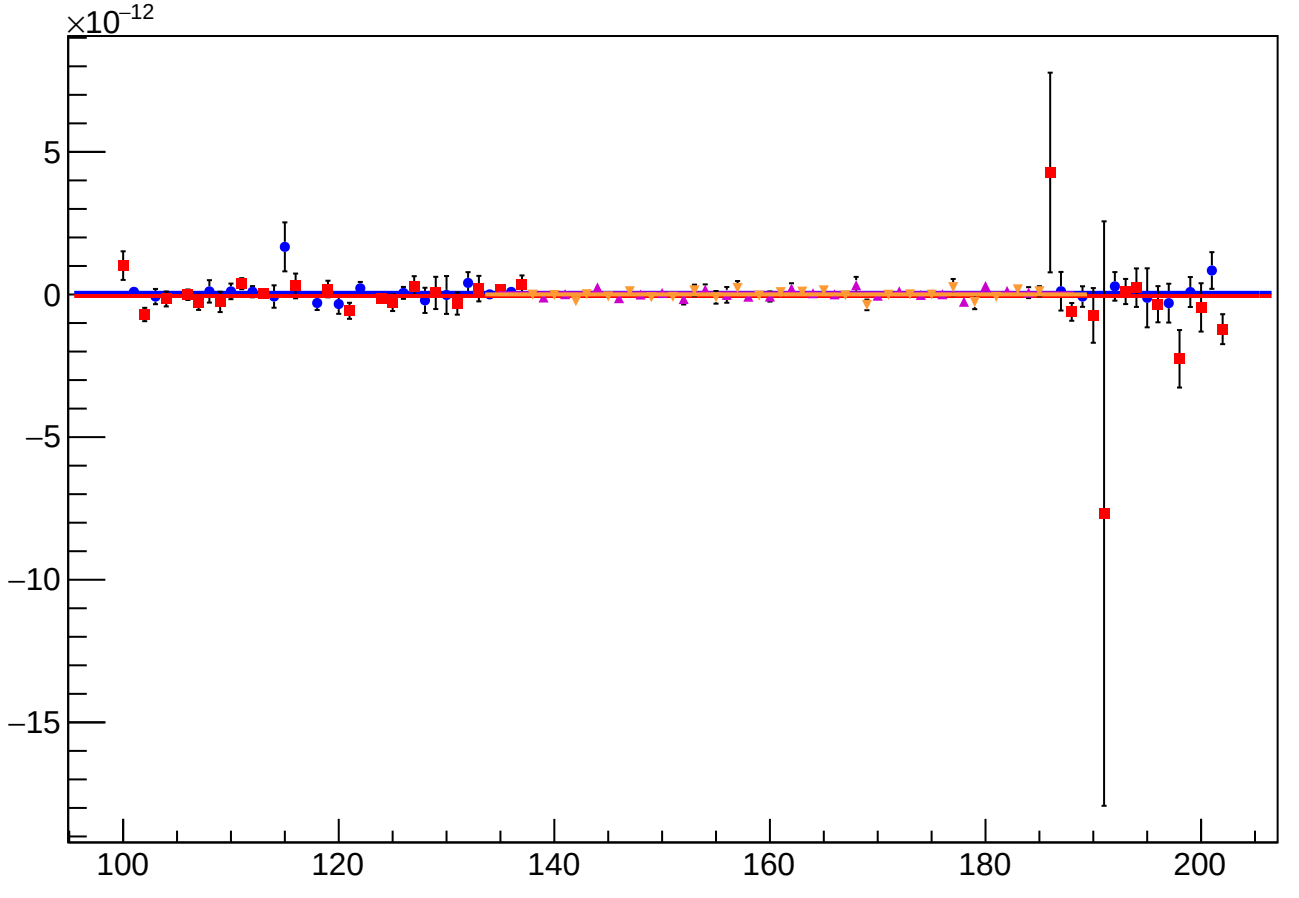
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3512.643+/-0.503 χ^2/NDF: 4491960.7/51

In: 4054.113+/-0.537 χ^2/NDF:4108720.6/45

Out: 3990.640+/-0.505 χ^2/NDF:4811265.9/53

All: 4020.428+/-0.368 χ^2/NDF: 8927393.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 11.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.7/28

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

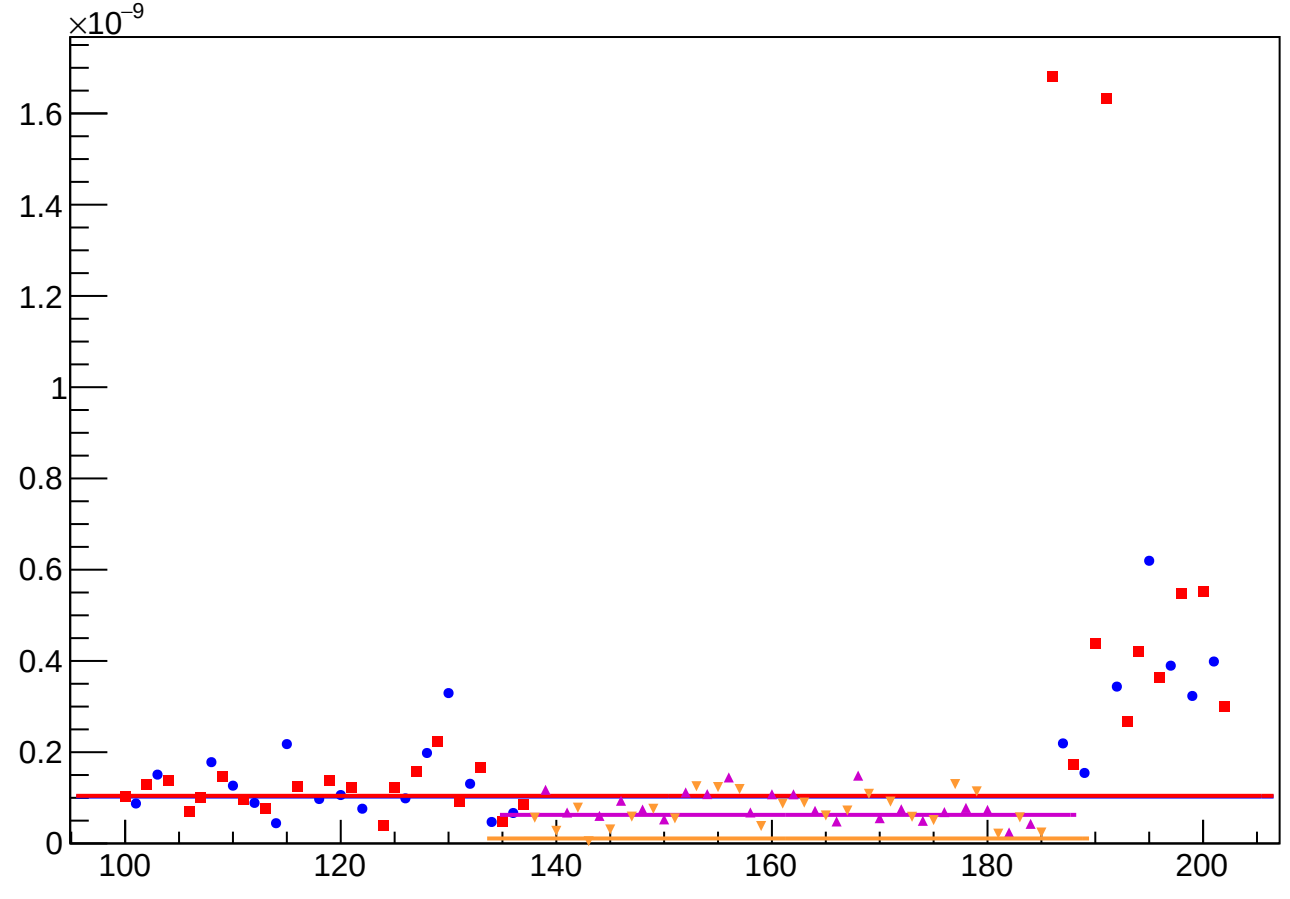
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 60.3/51

In: 0.000+/-0.000 χ^2/NDF:32.1/45

Out: 0.000+/-0.000 χ^2/NDF:66.0/53

All: 0.000+/-0.000 χ^2/NDF: 101.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 3258672.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4240173.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

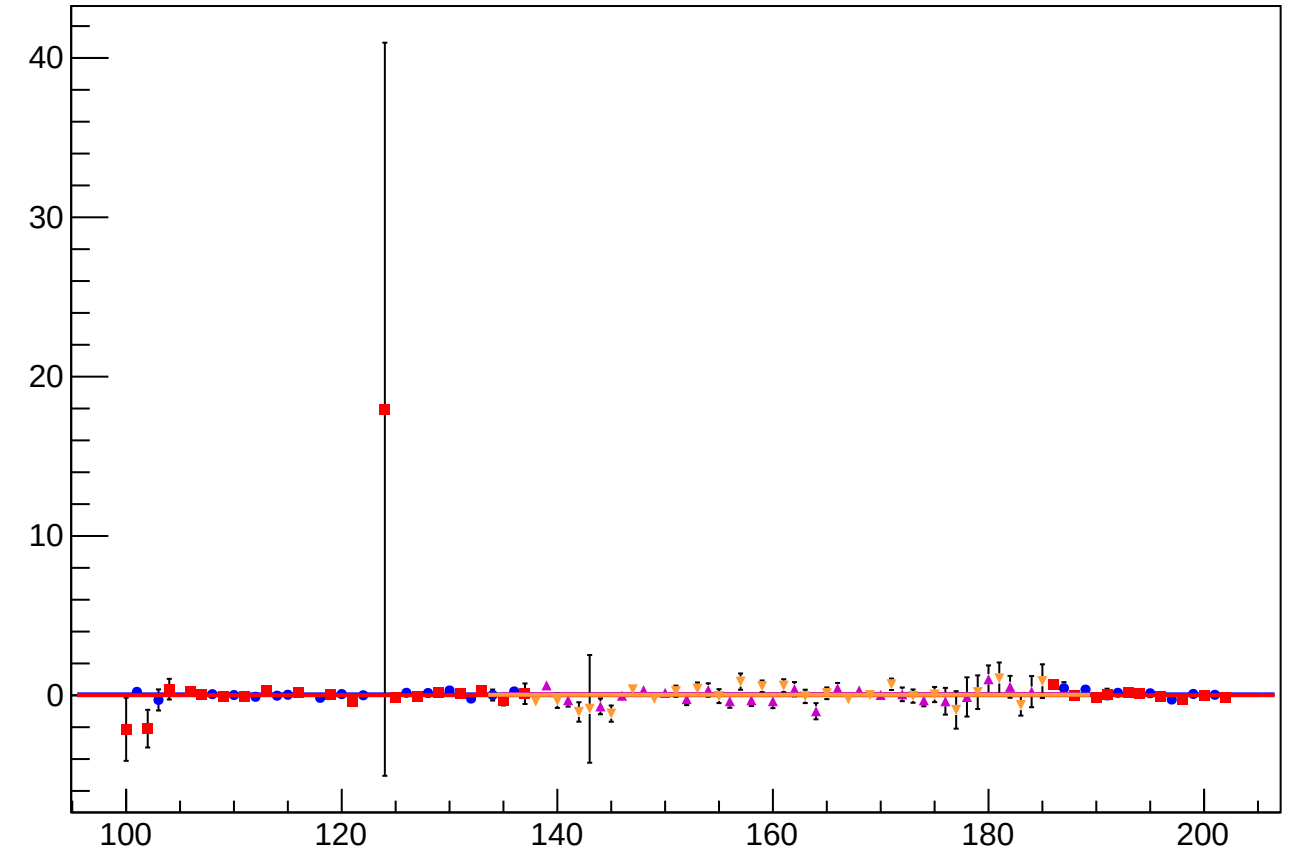
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7499764.8/51

In: 0.000+/-0.000 χ^2/NDF:6232570.0/45

Out: 0.000+/-0.000 χ^2/NDF:19903636.9/53

All: 0.000+/-0.000 χ^2/NDF: 36618733.2/99



Right In: 0.060+/-0.039 χ^2/NDF: 15.6/22

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.008+/-0.034 χ^2/NDF: 31.2/28

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

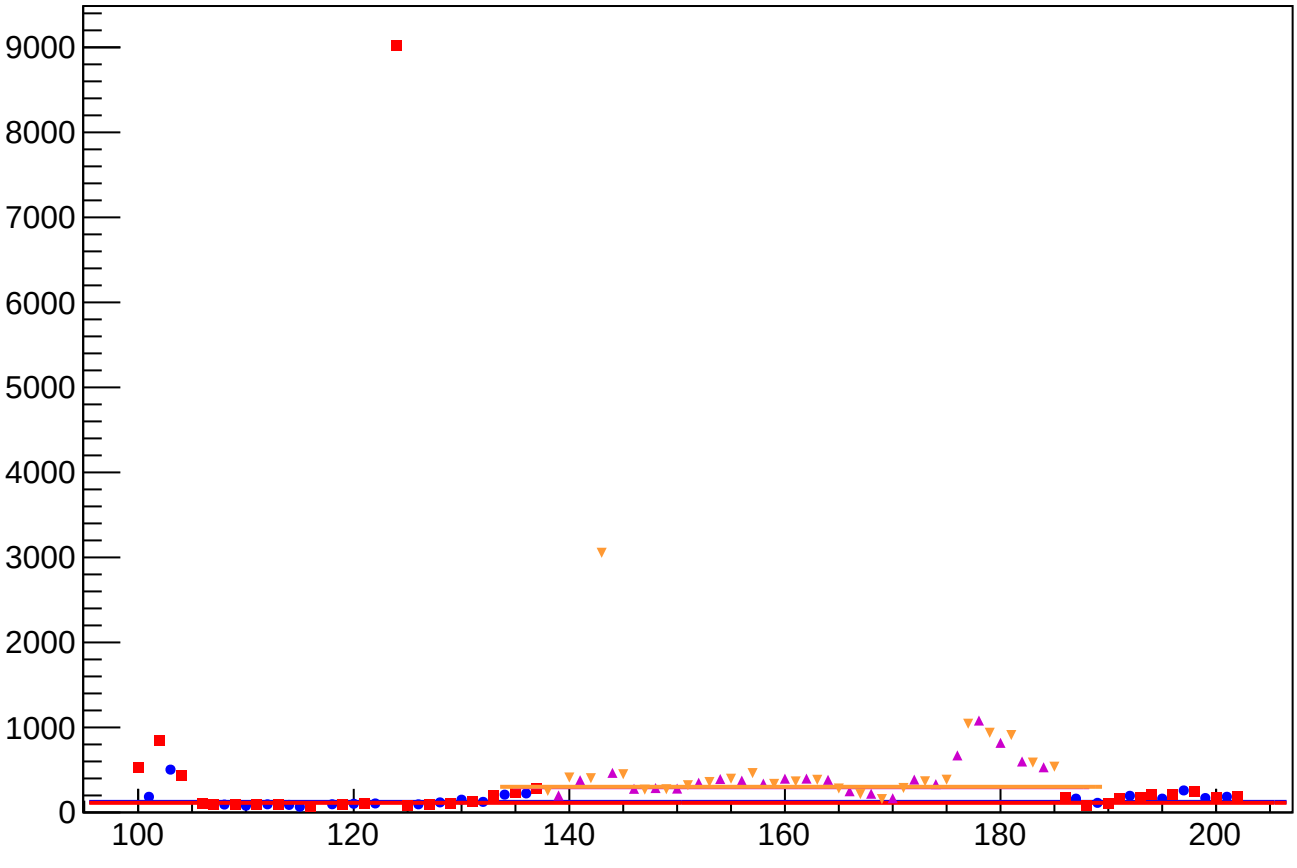
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.030+/-0.026 χ^2/NDF: 47.8/51

In: 0.063+/-0.035 χ^2/NDF:39.7/45

Out: 0.012+/-0.031 χ^2/NDF:61.0/53

All: 0.035+/-0.023 χ^2/NDF: 101.9/99



Right In: 124.370+/-0.028 χ^2/NDF: 3205000.5/22

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 113.319+/-0.024 χ^2/NDF: 5057217.8/28

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

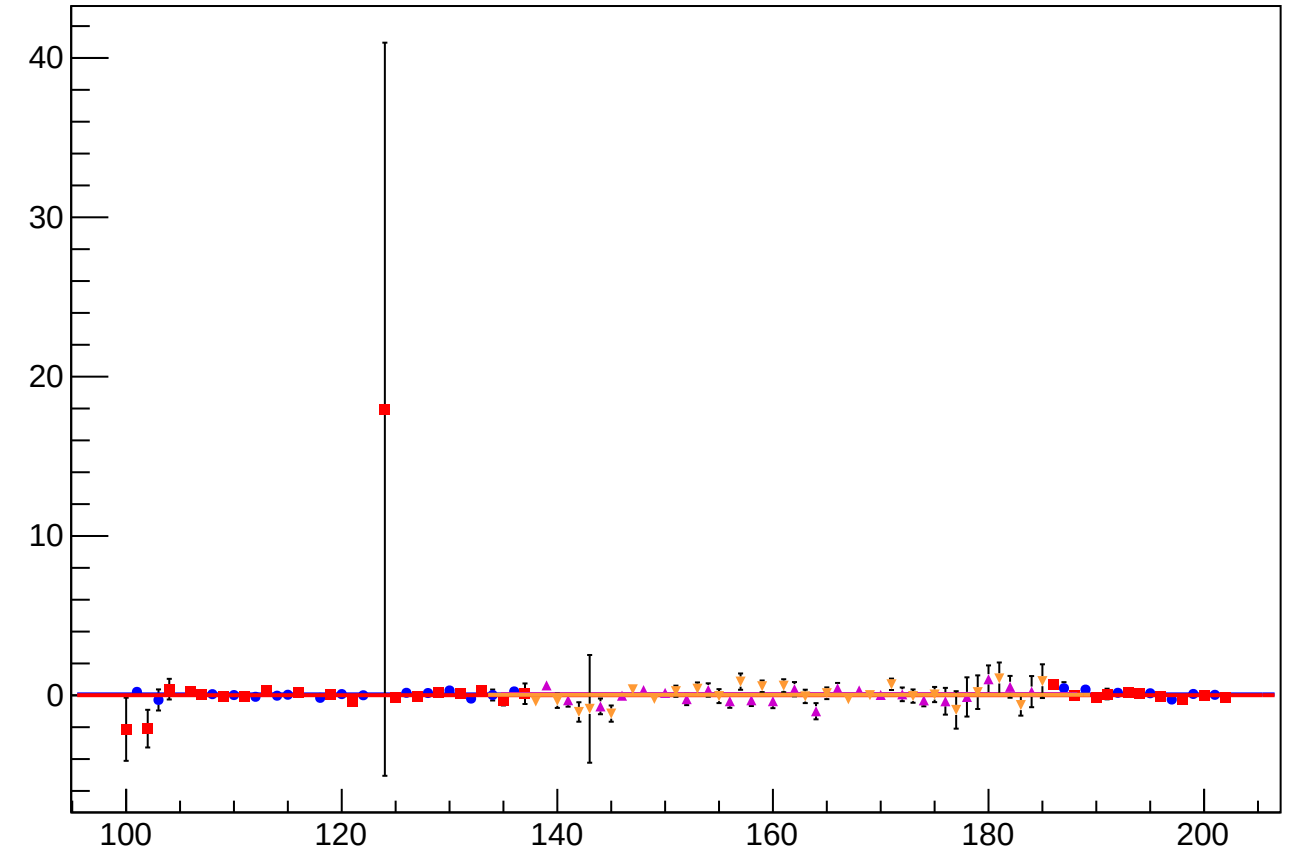
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 118.107+/-0.018 χ^2/NDF: 8352600.4/51

In: 160.721+/-0.025 χ^2/NDF:16311907.6/45

Out: 144.437+/-0.022 χ^2/NDF:21765755.0/53

All: 151.718+/-0.016 χ^2/NDF: 38320264.4/99



Right In: 0.060+/-0.039 χ^2/NDF: 15.6/22

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.008+/-0.034 χ^2/NDF: 31.2/28

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

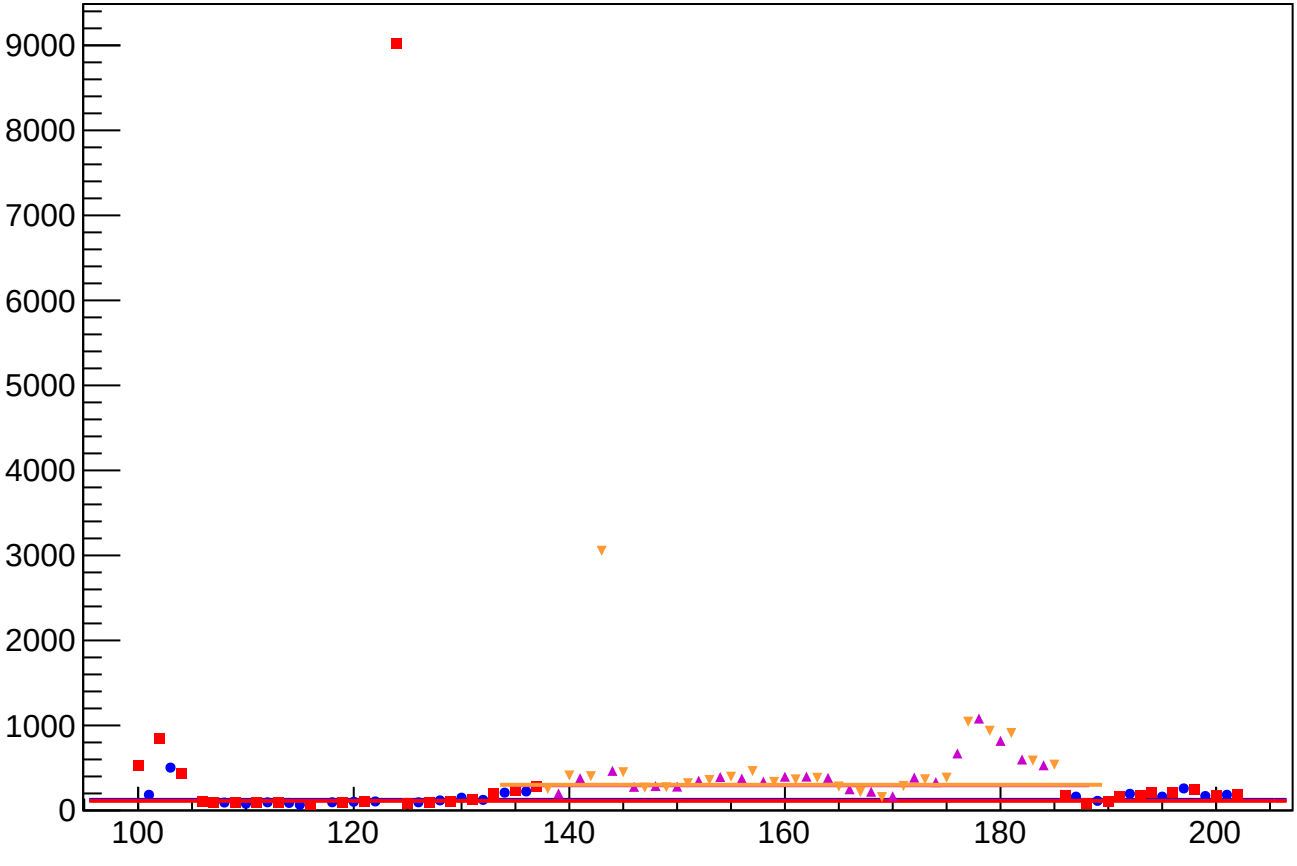
Right: 0.030+/-0.026 χ^2/NDF: 47.8/51

In: 0.063+/-0.035 χ^2/NDF:39.7/45

Out: 0.012+/-0.031 χ^2/NDF:61.0/53

All: 0.035+/-0.023 χ^2/NDF: 101.9/99

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 124.370+/-0.028 χ^2/NDF: 3205000.5/22

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 113.319+/-0.024 χ^2/NDF: 5057217.8/28

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

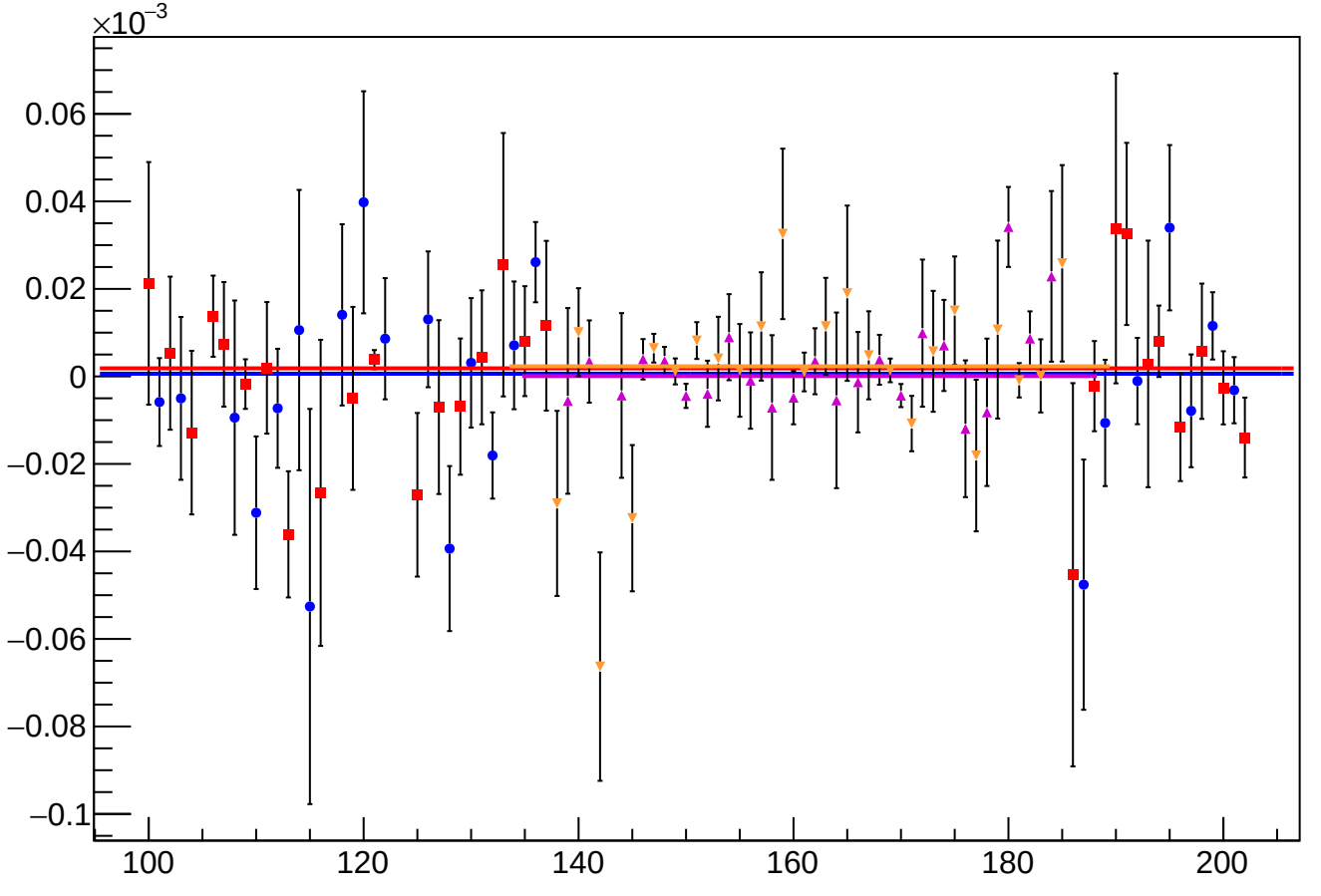
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 118.107+/-0.018 χ^2/NDF: 8352600.4/51

In: 160.721+/-0.025 χ^2/NDF:16311907.6/45

Out: 144.437+/-0.022 χ^2/NDF:21765755.0/53

All: 151.718+/-0.016 χ^2/NDF: 38320264.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 34.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/27

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

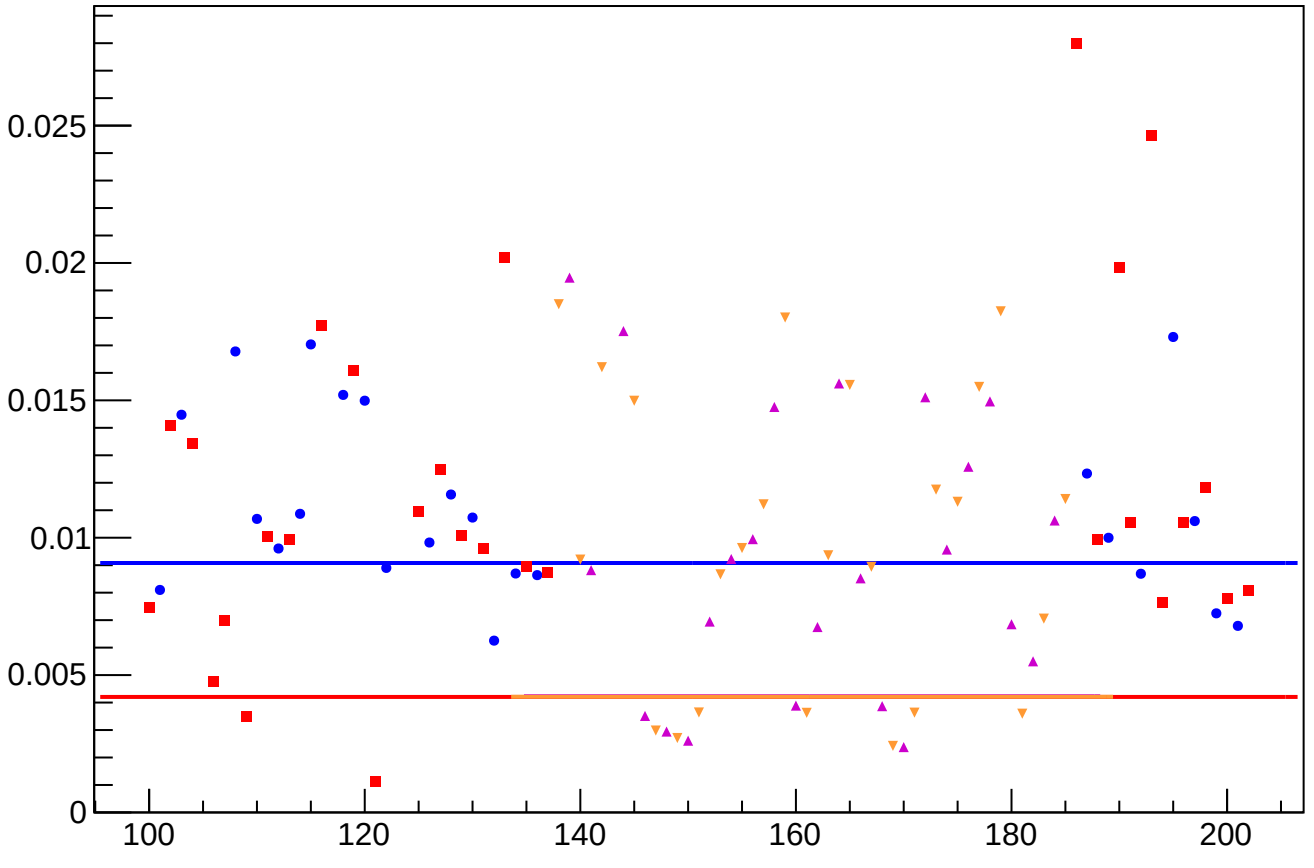
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 60.4/50

In: 0.000+/-0.000 χ^2/NDF:64.0/45

Out: 0.000+/-0.000 χ^2/NDF:56.6/51

All: 0.000+/-0.000 χ^2/NDF: 122.2/97



Right In: 0.009+/-0.000 χ^2/NDF: 1700094.3/22

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13849156.5/27

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

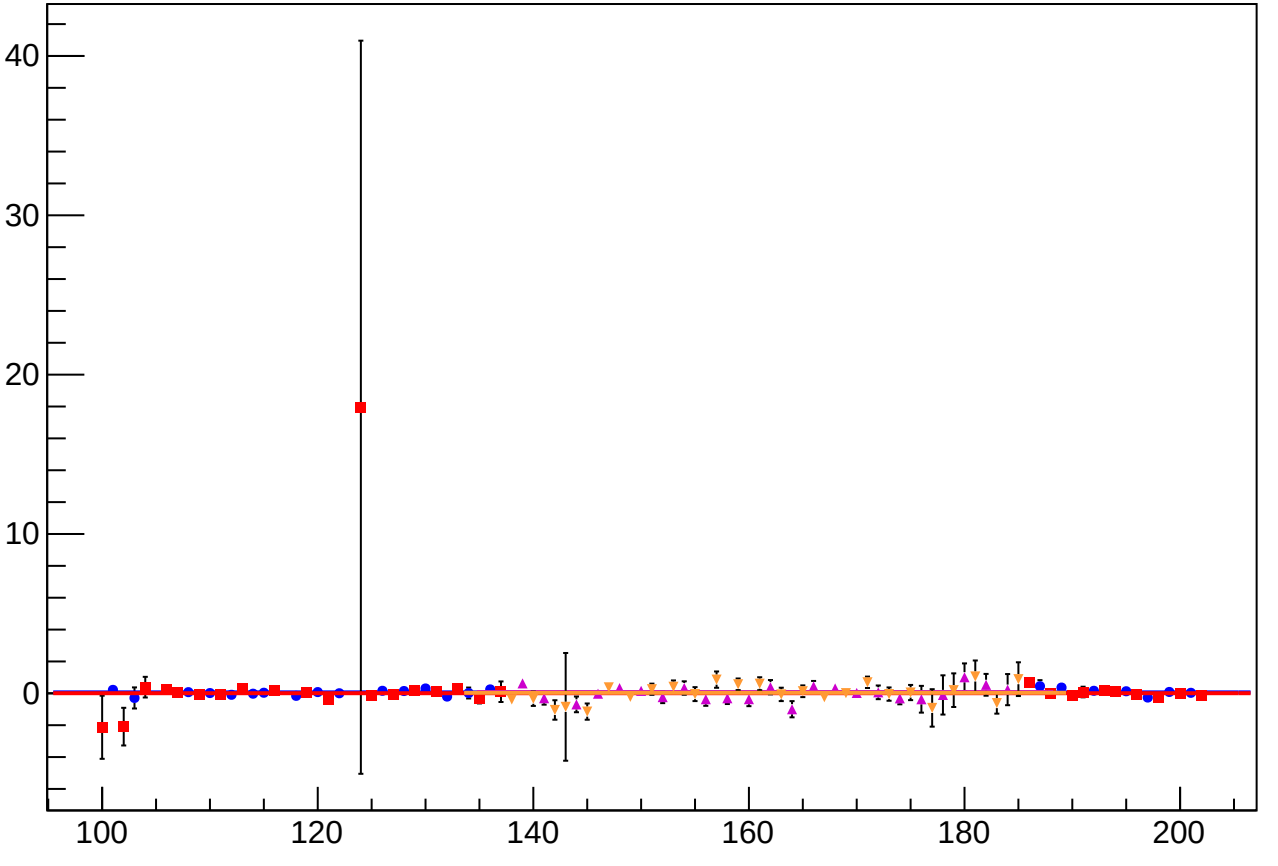
Right: 0.005+/-0.000 χ^2/NDF: 20143387.5/50

In: 0.005+/-0.000 χ^2/NDF:17835502.4/45

Out: 0.004+/-0.000 χ^2/NDF:25927226.0/51

All: 0.005+/-0.000 χ^2/NDF: 44413382.7/97

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.039 χ^2/NDF: 15.6/22

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.008+/-0.034 χ^2/NDF: 31.2/28

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

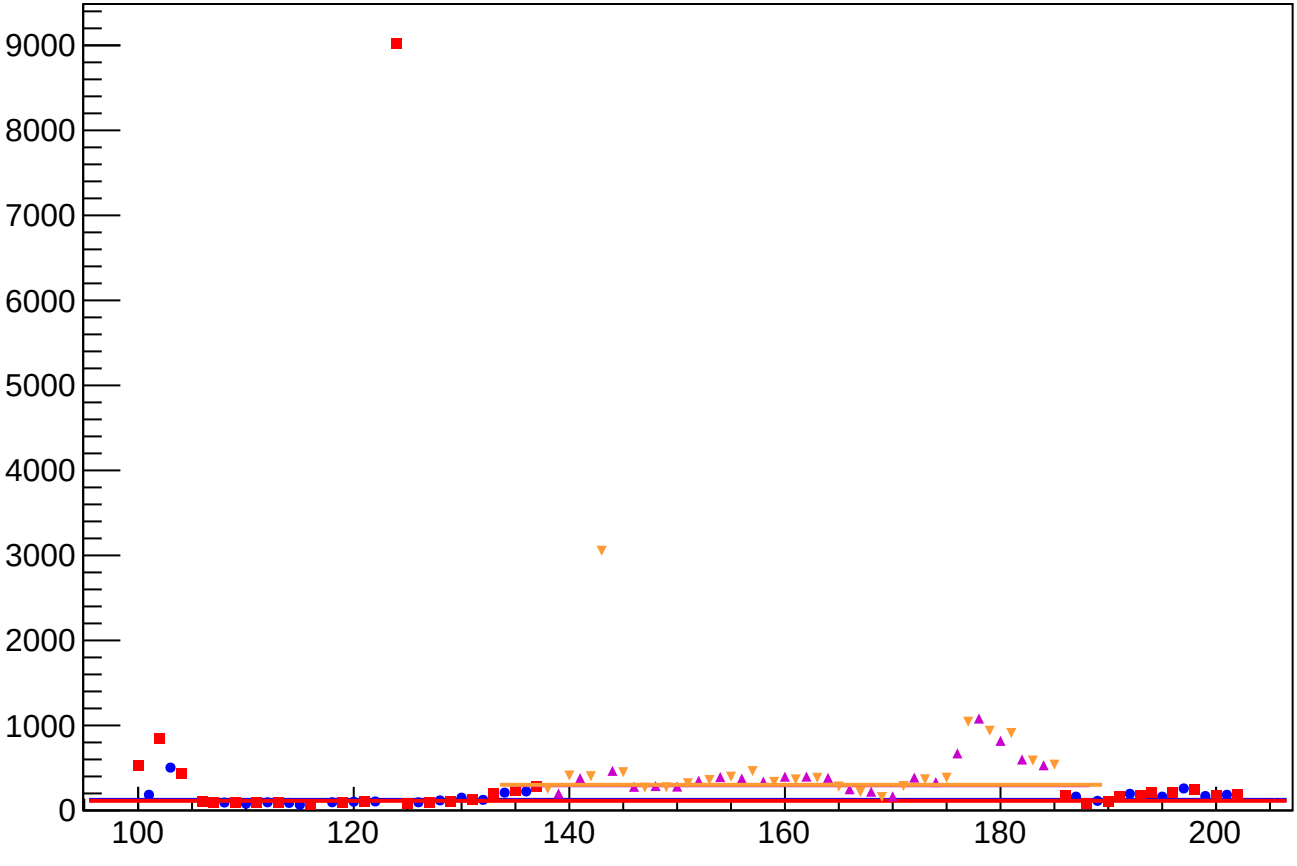
Right: 0.030+/-0.026 χ^2/NDF: 47.8/51

In: 0.063+/-0.035 χ^2/NDF:39.7/45

Out: 0.012+/-0.031 χ^2/NDF:61.0/53

All: 0.035+/-0.023 χ^2/NDF: 101.9/99

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 124.370+/-0.028 χ^2/NDF: 3204934.3/22

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 113.320+/-0.024 χ^2/NDF: 5057064.6/28

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

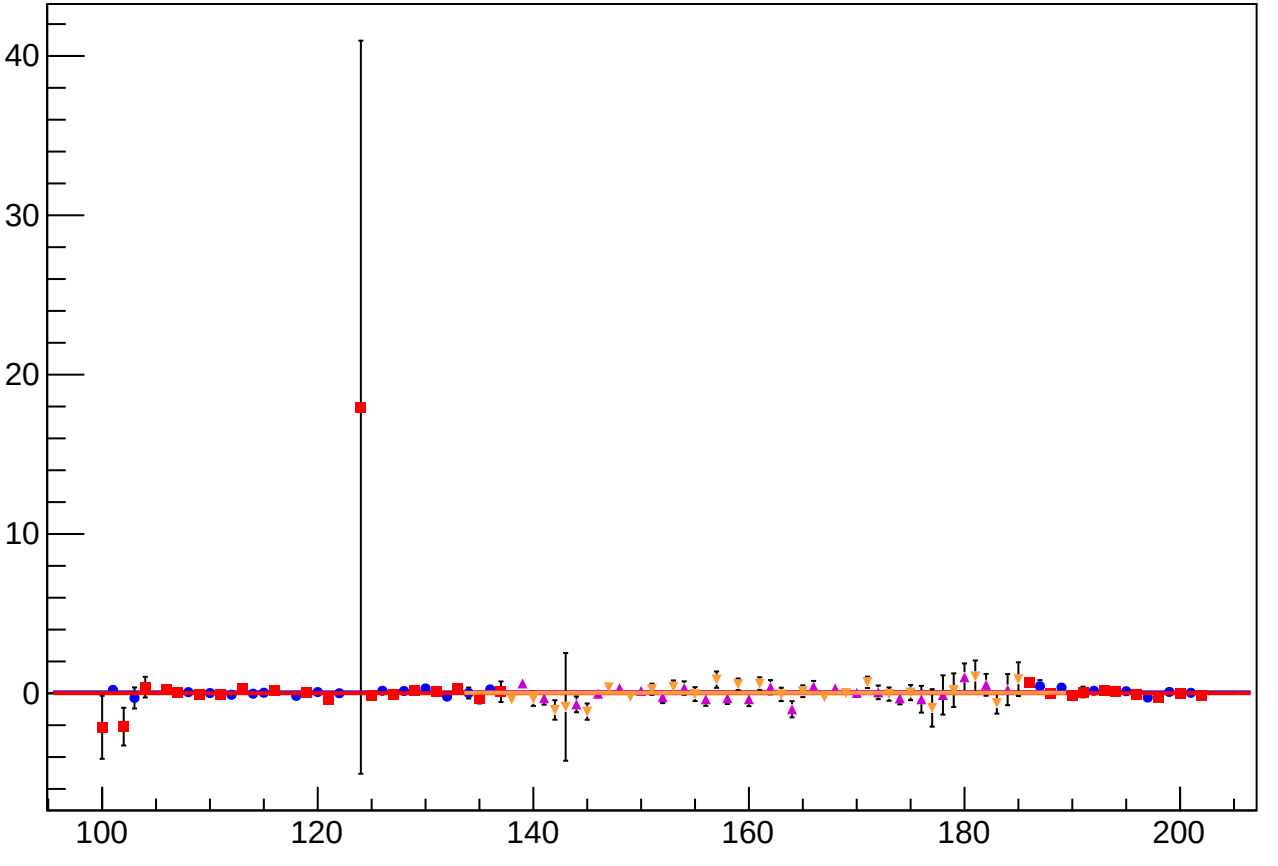
Right: 118.108+/-0.018 χ^2/NDF: 8352373.7/51

In: 160.722+/-0.025 χ^2/NDF:16311952.6/45

Out: 144.437+/-0.022 χ^2/NDF:21765664.8/53

All: 151.718+/-0.016 χ^2/NDF: 38320209.0/99

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.039 χ^2/NDF: 15.6/22

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.008+/-0.034 χ^2/NDF: 31.2/28

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

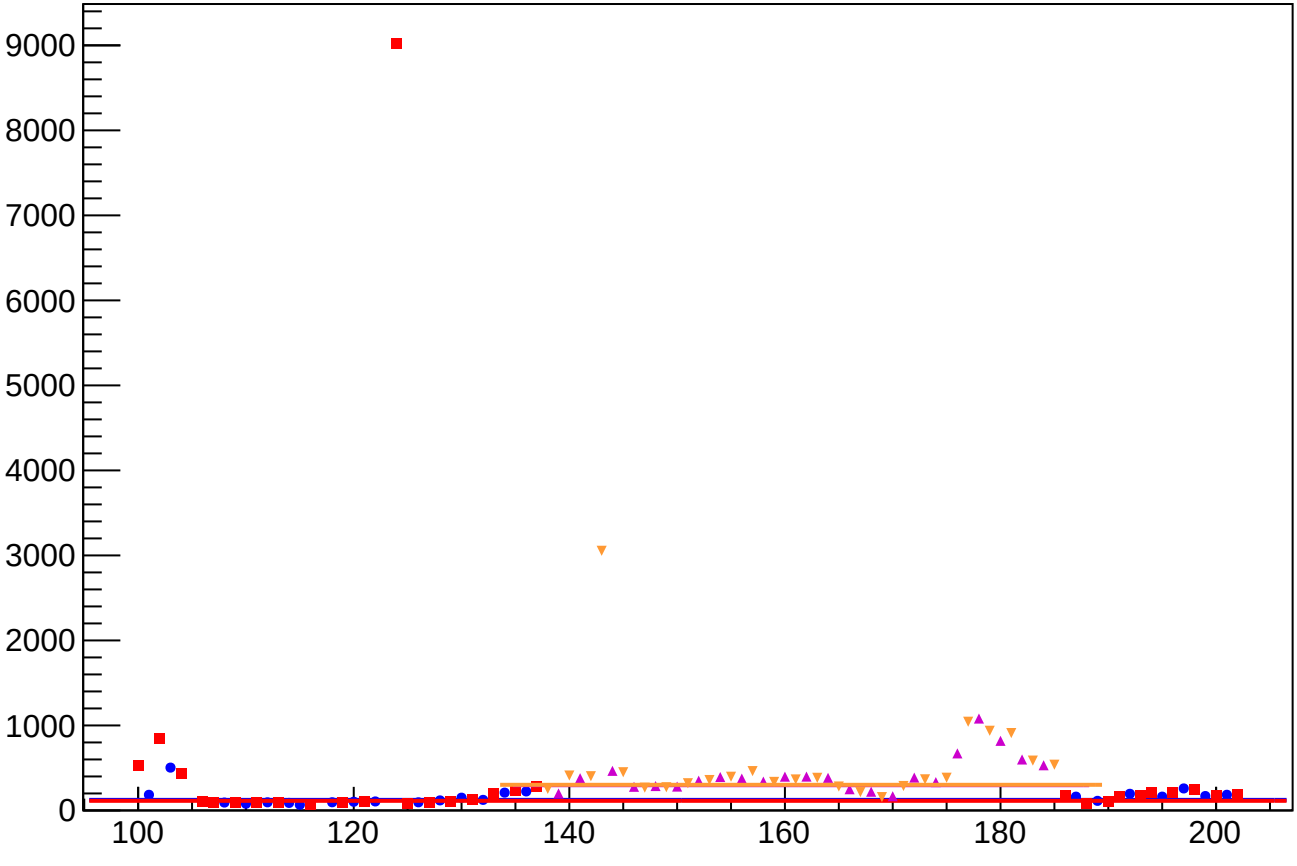
Right: 0.030+/-0.026 χ^2/NDF: 47.8/51

In: 0.063+/-0.035 χ^2/NDF:39.7/45

Out: 0.012+/-0.031 χ^2/NDF:61.0/53

All: 0.035+/-0.023 χ^2/NDF: 101.9/99

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 124.370+/-0.028 χ^2/NDF: 3204934.3/22

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 113.320+/-0.024 χ^2/NDF: 5057064.6/28

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

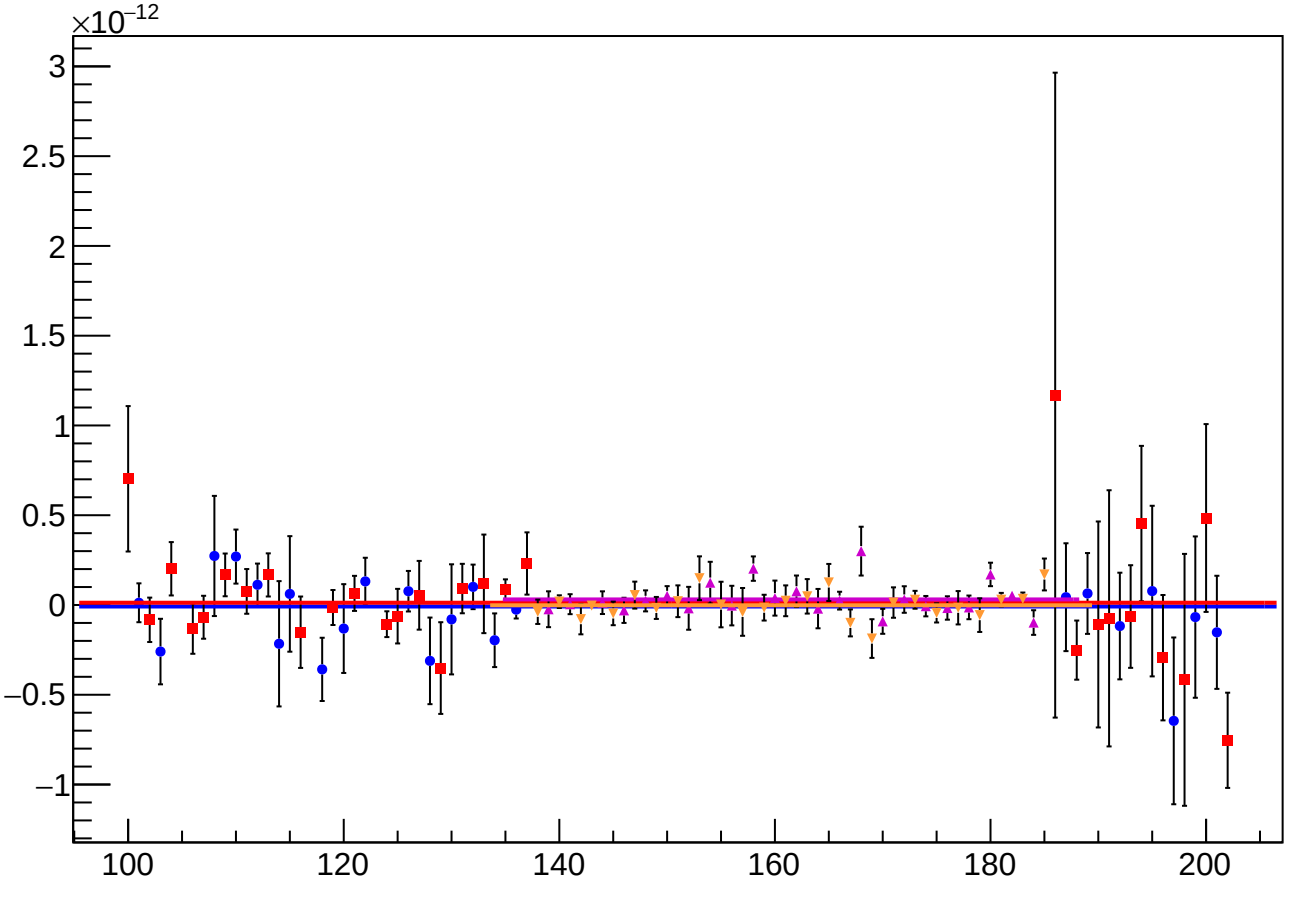
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 118.108+/-0.018 χ^2/NDF: 8352373.7/51

In: 160.722+/-0.025 χ^2/NDF:16311952.6/45

Out: 144.437+/-0.022 χ^2/NDF:21765664.8/53

All: 151.718+/-0.016 χ^2/NDF: 38320209.0/99



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.4/28

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

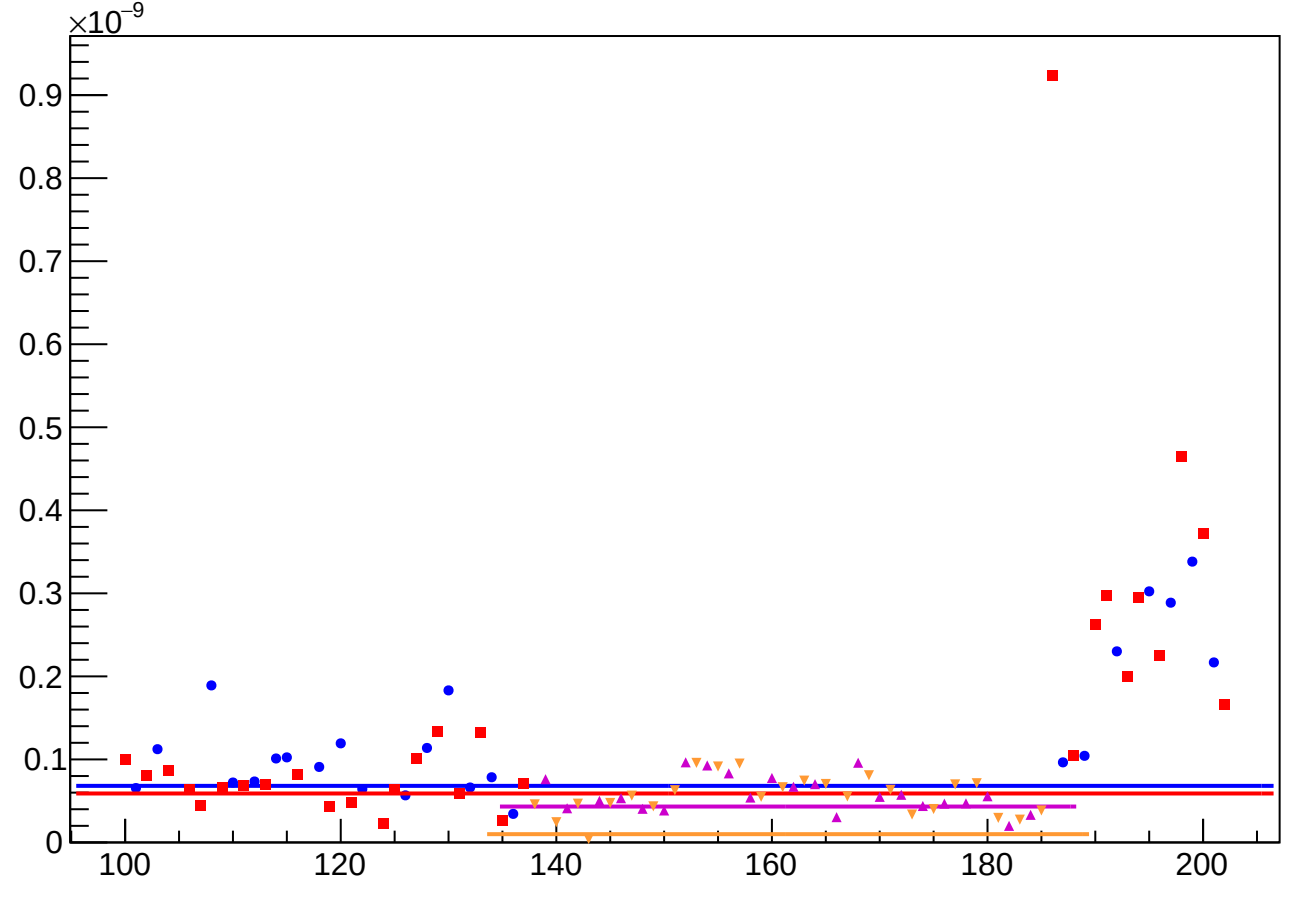
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 54.6/51

In: 0.000+/-0.000 χ^2/NDF:47.7/45

Out: -0.000+/-0.000 χ^2/NDF:52.4/53

All: 0.000+/-0.000 χ^2/NDF: 104.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 4636431.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6179587.3/28

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

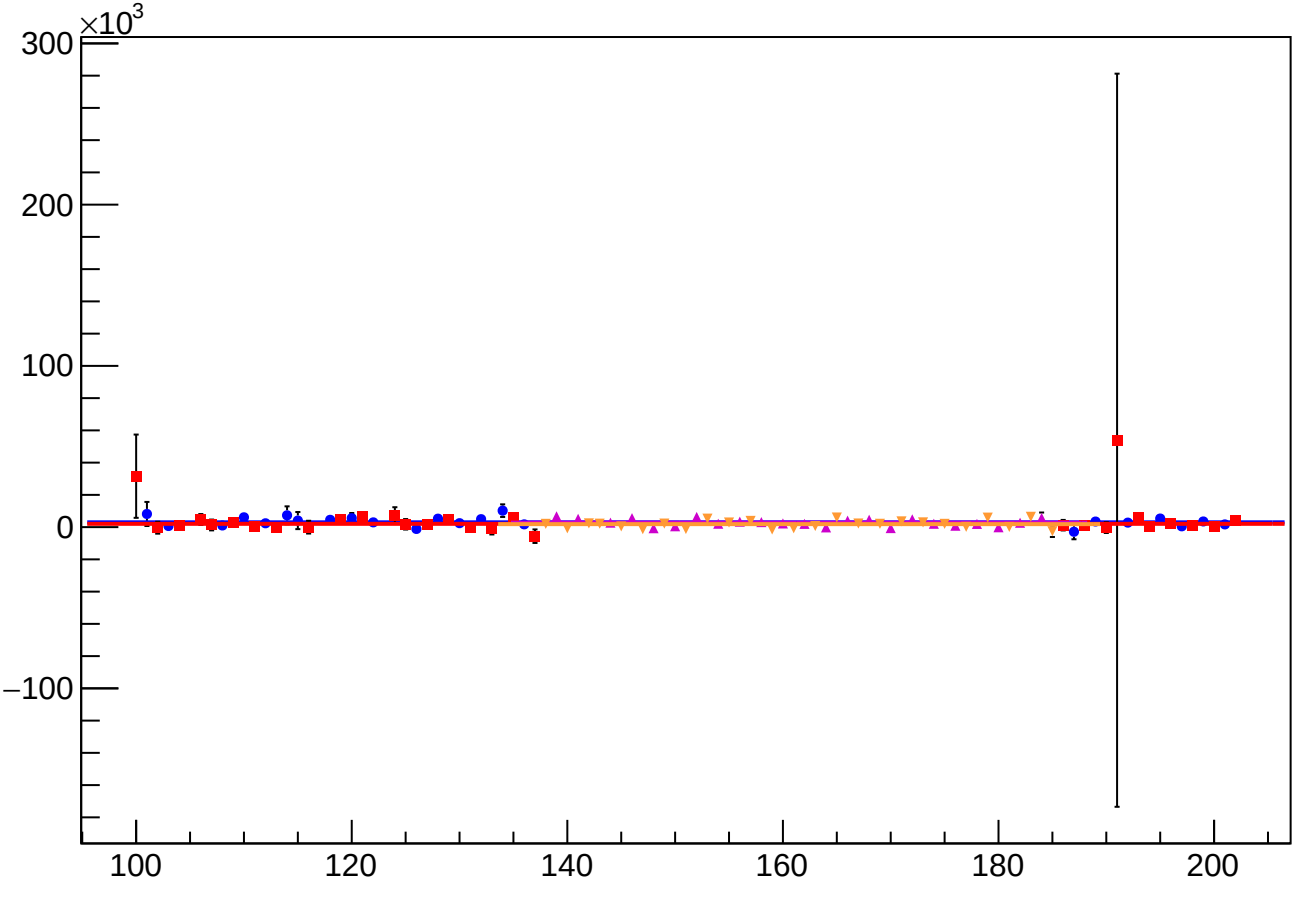
Right: 0.000+/-0.000 χ^2/NDF: 10918860.5/51

In: 0.000+/-0.000 χ^2/NDF:9792589.4/45

Out: 0.000+/-0.000 χ^2/NDF:31354719.8/53

All: 0.000+/-0.000 χ^2/NDF: 55522312.6/99

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2975.288+/-561.897 χ^2/NDF: 16.3/22

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2042.208+/-520.691 χ^2/NDF: 22.4/28

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

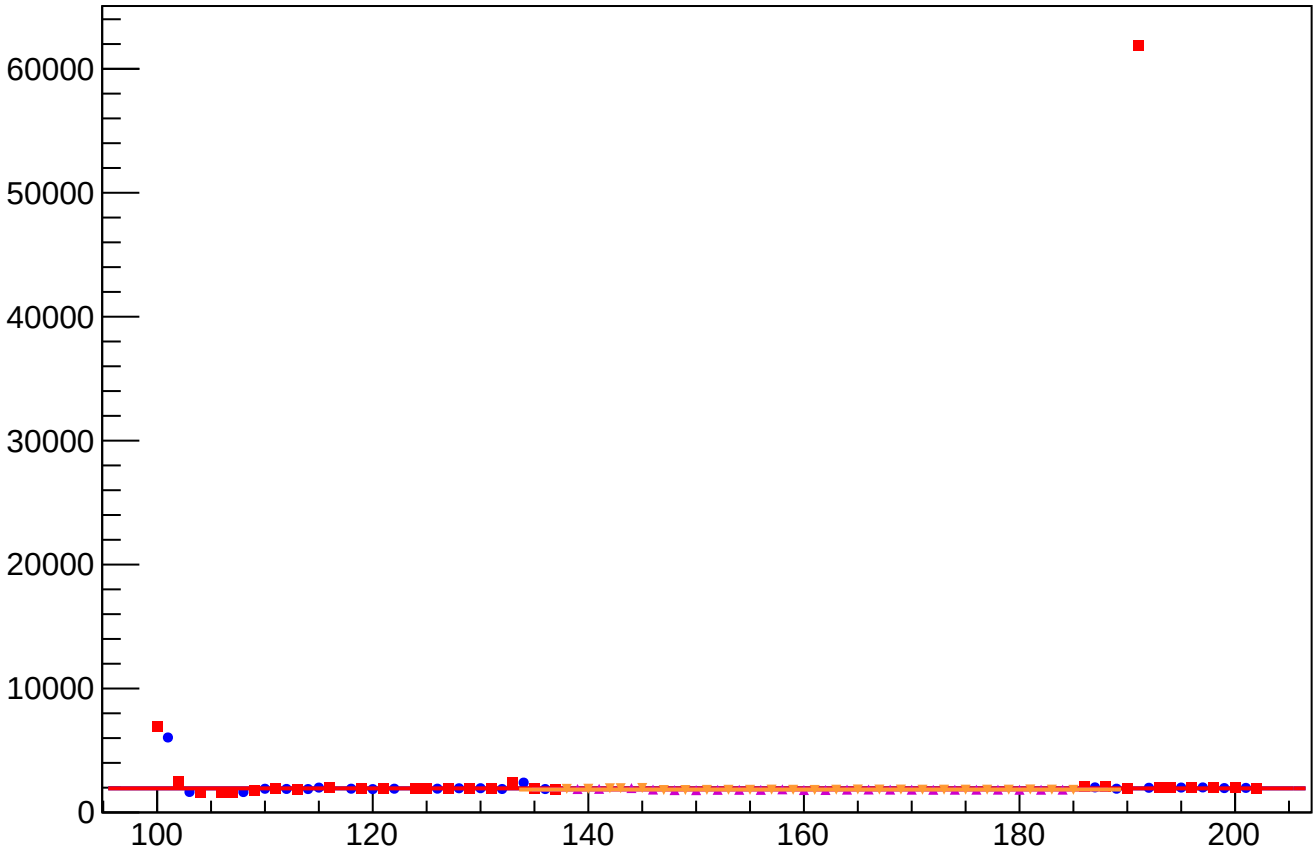
Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

Right: 2473.285+/-381.921 χ^2/NDF: 40.2/51

In: 2849.646+/-341.917 χ^2/NDF:41.8/45

Out: 1926.976+/-326.909 χ^2/NDF:54.0/53

All: 2367.618+/-236.287 χ^2/NDF: 99.6/99



Right In: 1946.650+/-0.397 χ^2/NDF: 706307.2/22

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1943.654+/-0.367 χ^2/NDF: 403716.5/28

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

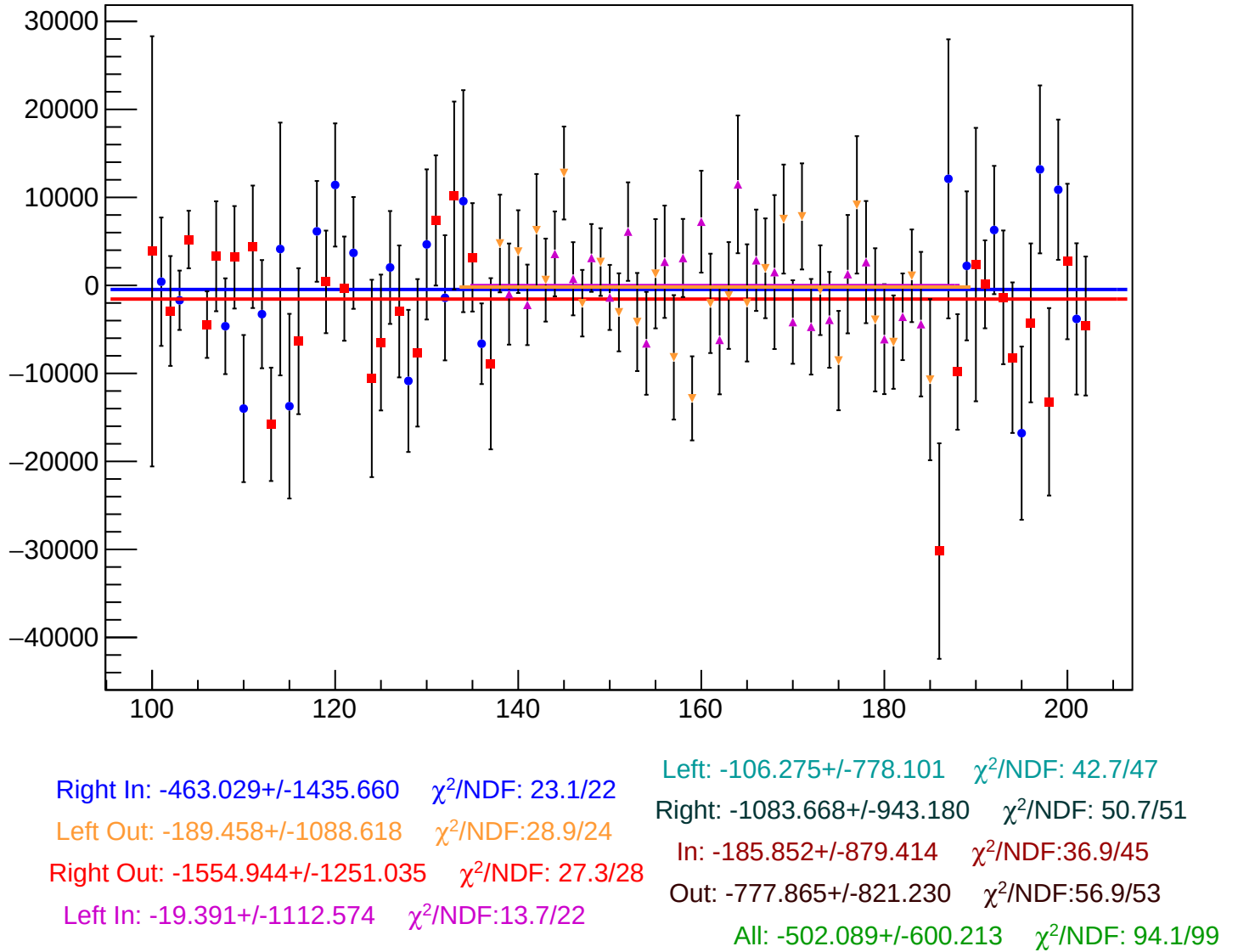
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

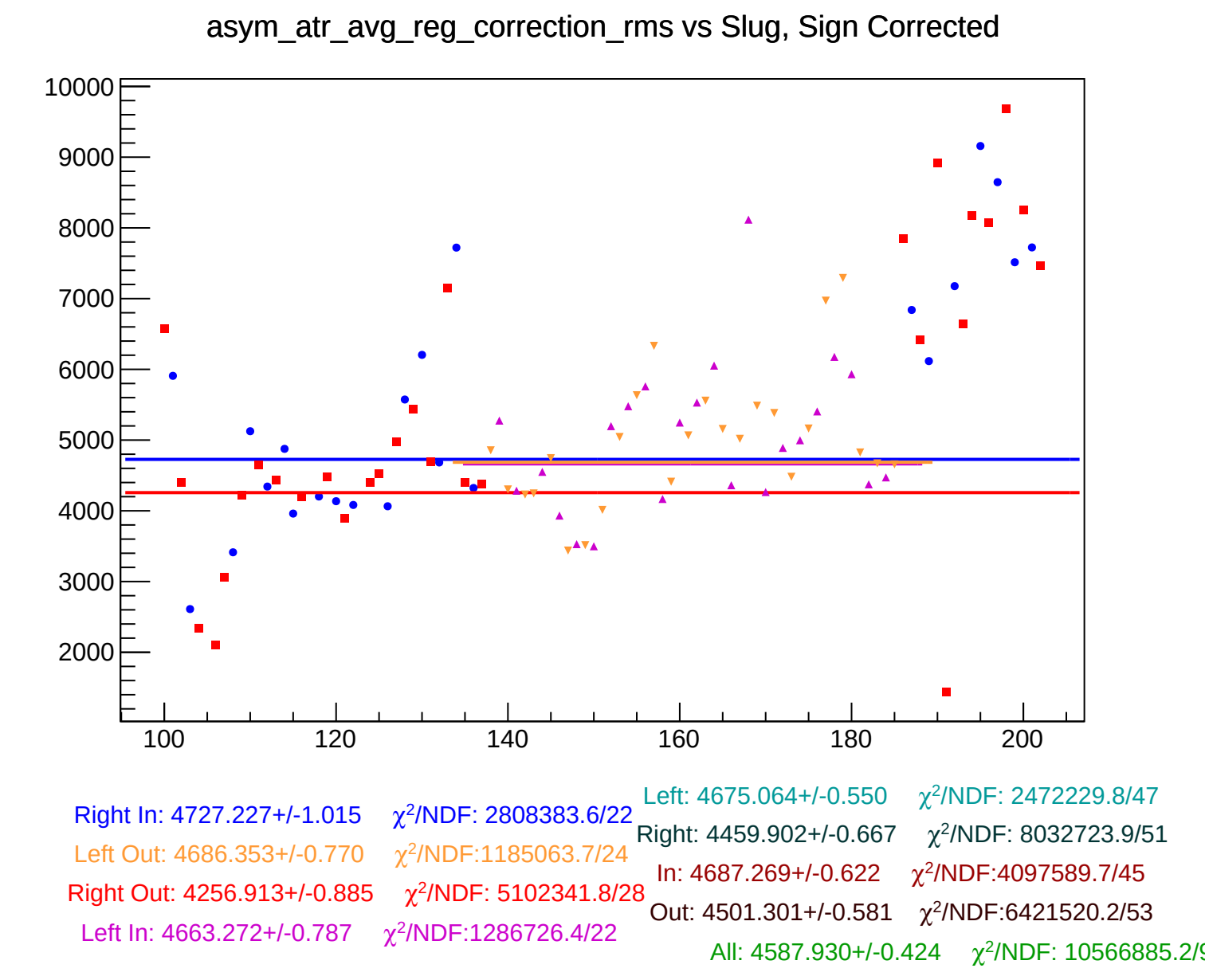
Right: 1945.035+/-0.270 χ^2/NDF: 1110054.3/51

In: 1882.677+/-0.242 χ^2/NDF:761501.3/45

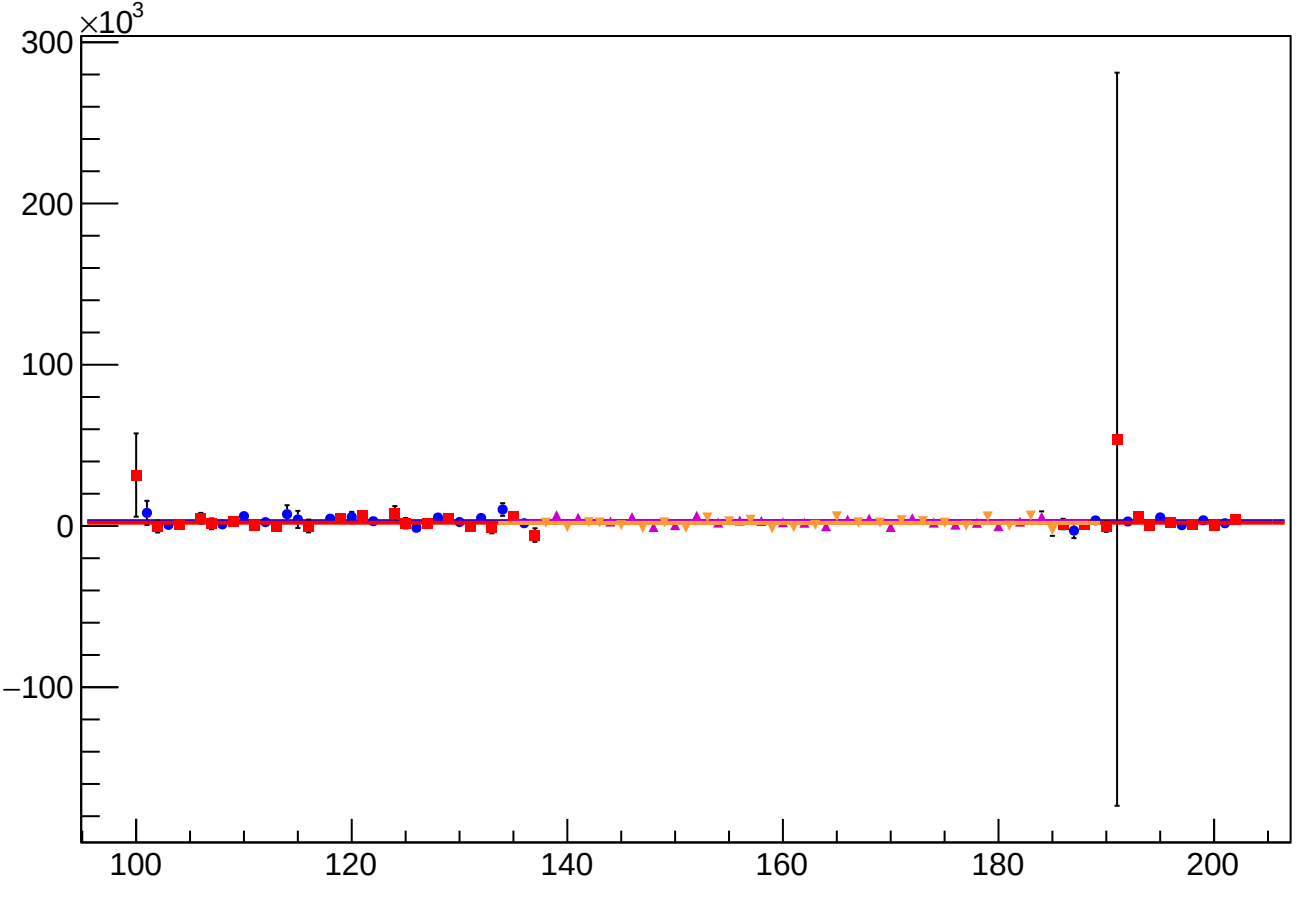
Out: 1886.106+/-0.231 χ^2/NDF:465140.0/53

All: 1884.470+/-0.167 χ^2/NDF: 1226746.5/99


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -463.029+/-1435.660 χ²/NDF: 23.1/22
Left Out: -189.458+/-1088.618 χ²/NDF:28.9/24
Right Out: -1554.944+/-1251.035 χ²/NDF: 27.3/28
Left In: -19.391+/-1112.574 χ²/NDF:13.7/22
Left: -106.275+/-778.101 χ²/NDF: 42.7/47
Right: -1083.668+/-943.180 χ²/NDF: 50.7/51
In: -185.852+/-879.414 χ²/NDF:36.9/45
Out: -777.865+/-821.230 χ²/NDF:56.9/53
All: -502.089+/-600.213 χ²/NDF: 94.1/99


asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4727.227+/-1.015 χ²/NDF: 2808383.6/22
Left Out: 4686.353+/-0.770 χ²/NDF:1185063.7/24
Right Out: 4256.913+/-0.885 χ²/NDF: 5102341.8/28
Left In: 4663.272+/-0.787 χ²/NDF:1286726.4/22
Left: 4675.064+/-0.550 χ²/NDF: 2472229.8/47
Right: 4459.902+/-0.667 χ²/NDF: 8032723.9/51
In: 4687.269+/-0.622 χ²/NDF:4097589.7/45
Out: 4501.301+/-0.581 χ²/NDF:6421520.2/53
All: 4587.930+/-0.424 χ²/NDF: 10566885.2/9

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2974.958+/-561.897 χ^2/NDF: 16.3/22

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2042.773+/-520.693 χ^2/NDF: 22.4/28

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

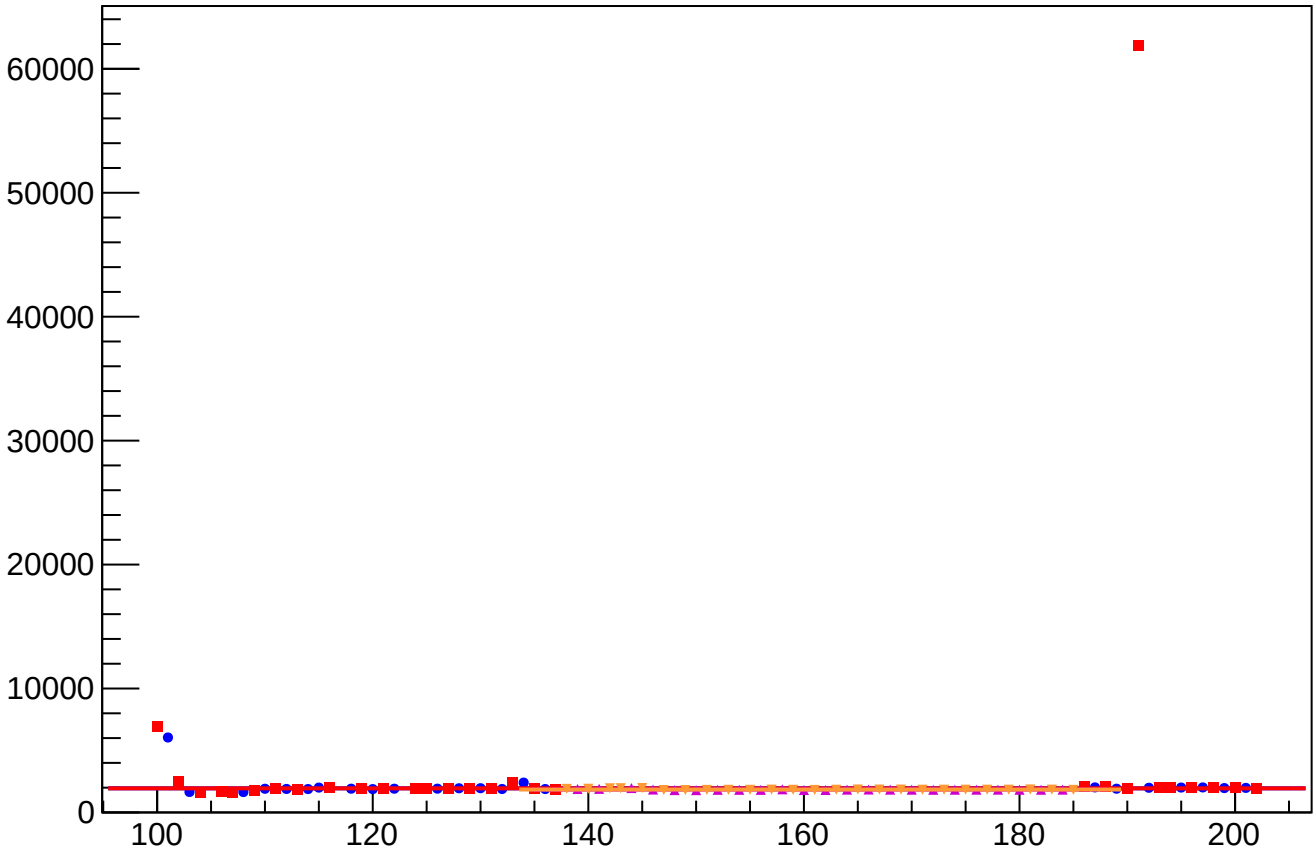
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2473.437+/-381.922 χ^2/NDF: 40.2/51

In: 2849.510+/-341.917 χ^2/NDF:41.8/45

Out: 1927.131+/-326.910 χ^2/NDF:54.0/53

All: 2367.634+/-236.287 χ^2/NDF: 99.6/99



Right In: 1946.650+/-0.397 χ^2/NDF: 706306.2/22

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.903+/-0.368 χ^2/NDF: 395553.2/28

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

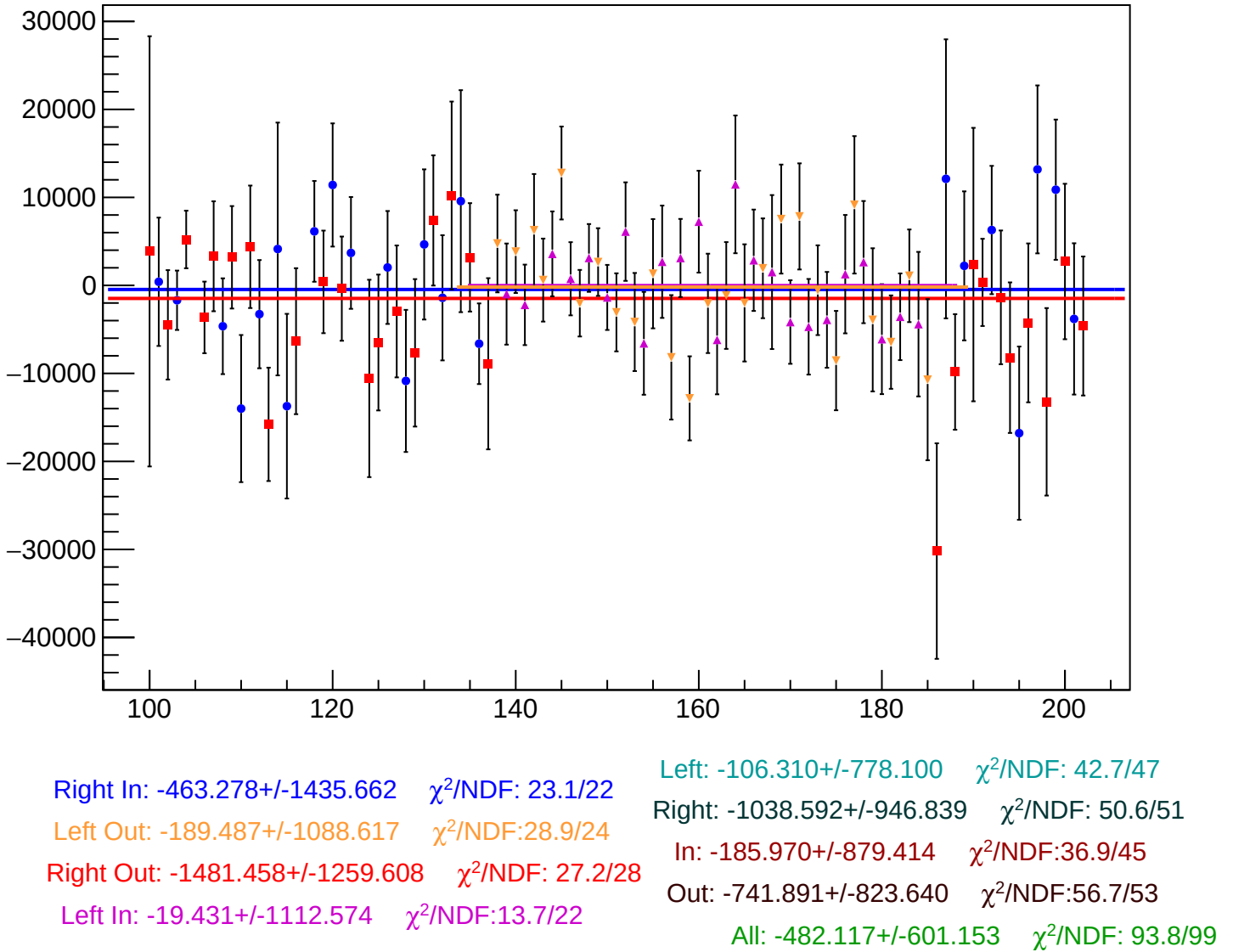
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

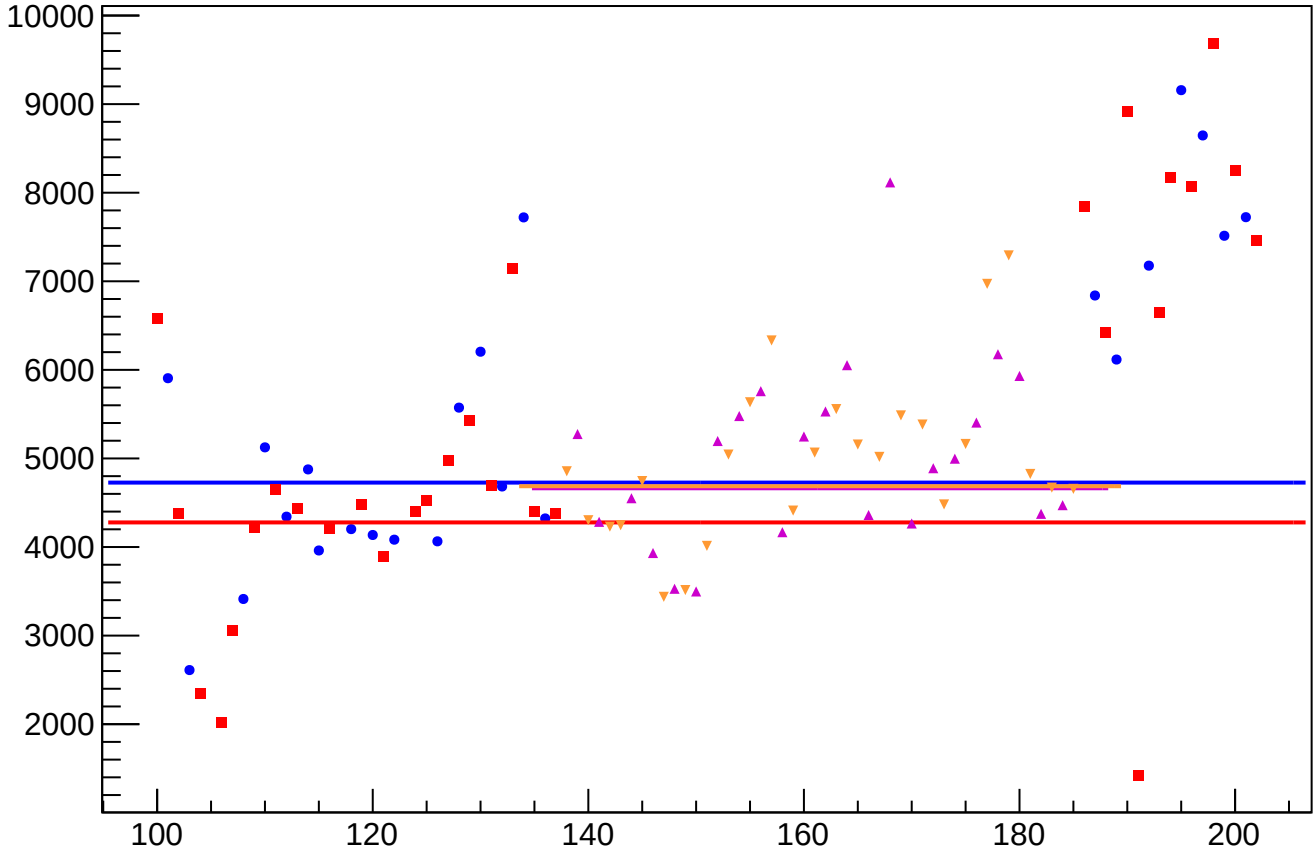
Right: 1946.248+/-0.270 χ^2/NDF: 1101861.3/51

In: 1882.677+/-0.242 χ^2/NDF:761500.6/45

Out: 1886.947+/-0.231 χ^2/NDF:458863.4/53

All: 1884.908+/-0.167 χ^2/NDF: 1220526.9/99


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -463.278+/-1435.662 χ²/NDF: 23.1/22
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -1481.458+/-1259.608 χ²/NDF: 27.2/28
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -1038.592+/-946.839 χ²/NDF: 50.6/51
In: -185.970+/-879.414 χ²/NDF:36.9/45
Out: -741.891+/-823.640 χ²/NDF:56.7/53
All: -482.117+/-601.153 χ²/NDF: 93.8/99



Right In: 4727.305+/-1.015 χ^2/NDF: 2807796.1/22

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4277.643+/-0.891 χ^2/NDF: 5070148.0/28

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

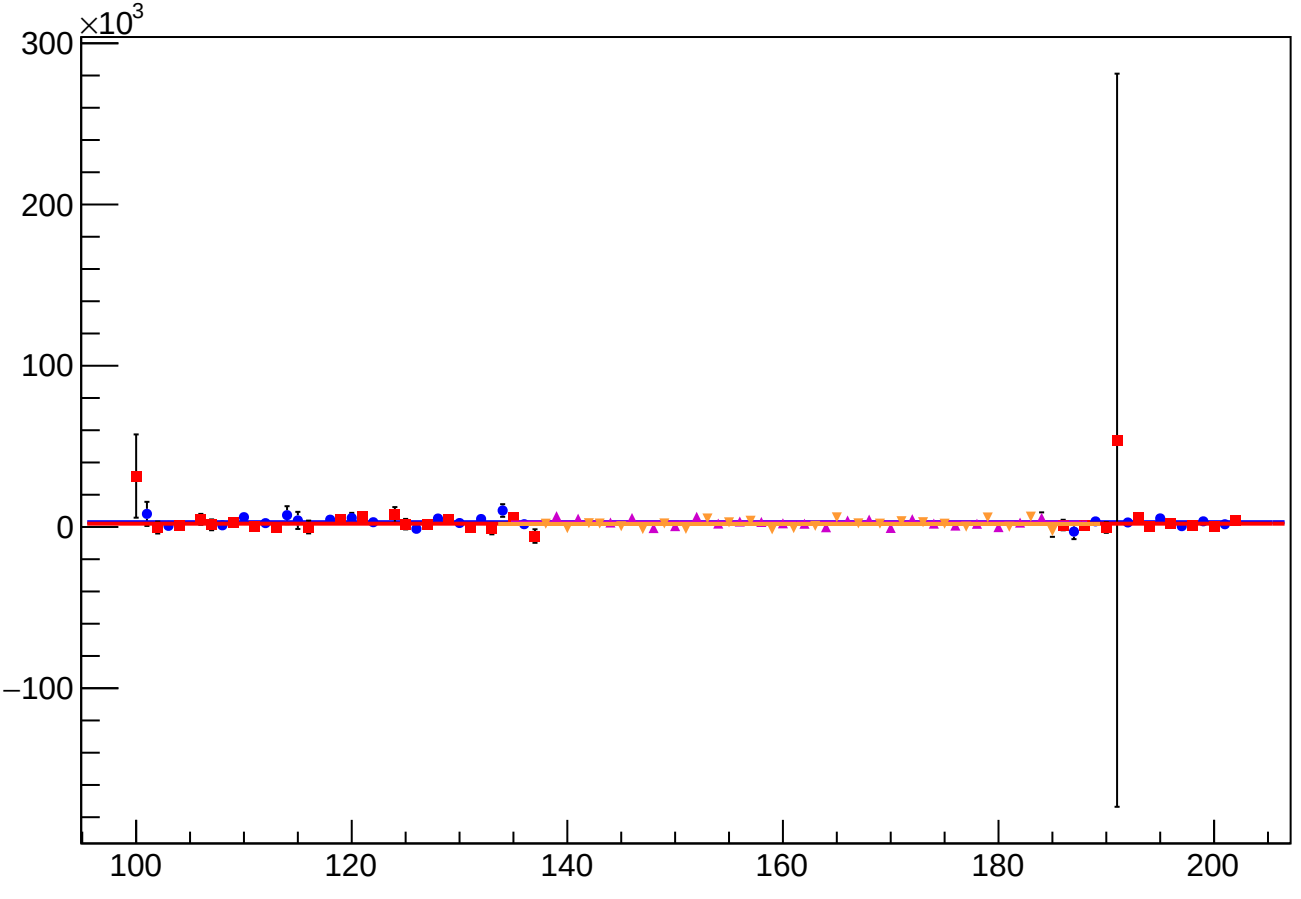
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4473.226+/-0.670 χ^2/NDF: 7988805.2/51

In: 4687.299+/-0.622 χ^2/NDF:4097004.5/45

Out: 4511.598+/-0.582 χ^2/NDF:6375768.5/53

All: 4593.700+/-0.425 χ^2/NDF: 10515302.4/9



Right In: 2974.958+/-561.897 χ^2/NDF: 16.3/22

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2042.773+/-520.693 χ^2/NDF: 22.4/28

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

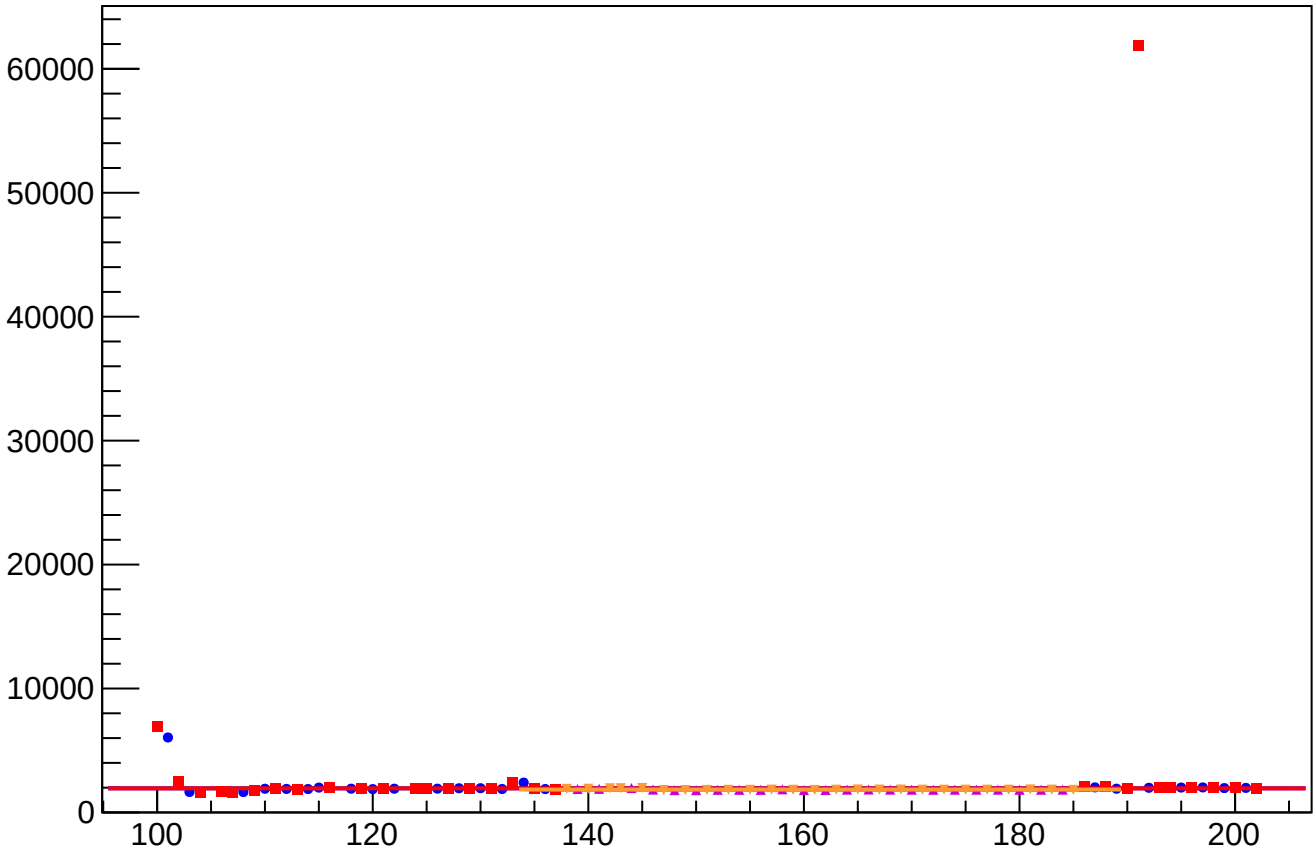
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2473.437+/-381.922 χ^2/NDF: 40.2/51

In: 2849.510+/-341.917 χ^2/NDF:41.8/45

Out: 1927.131+/-326.910 χ^2/NDF:54.0/53

All: 2367.634+/-236.287 χ^2/NDF: 99.6/99



Right In: 1946.650+/-0.397 χ^2/NDF: 706306.2/22

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.903+/-0.368 χ^2/NDF: 395553.2/28

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

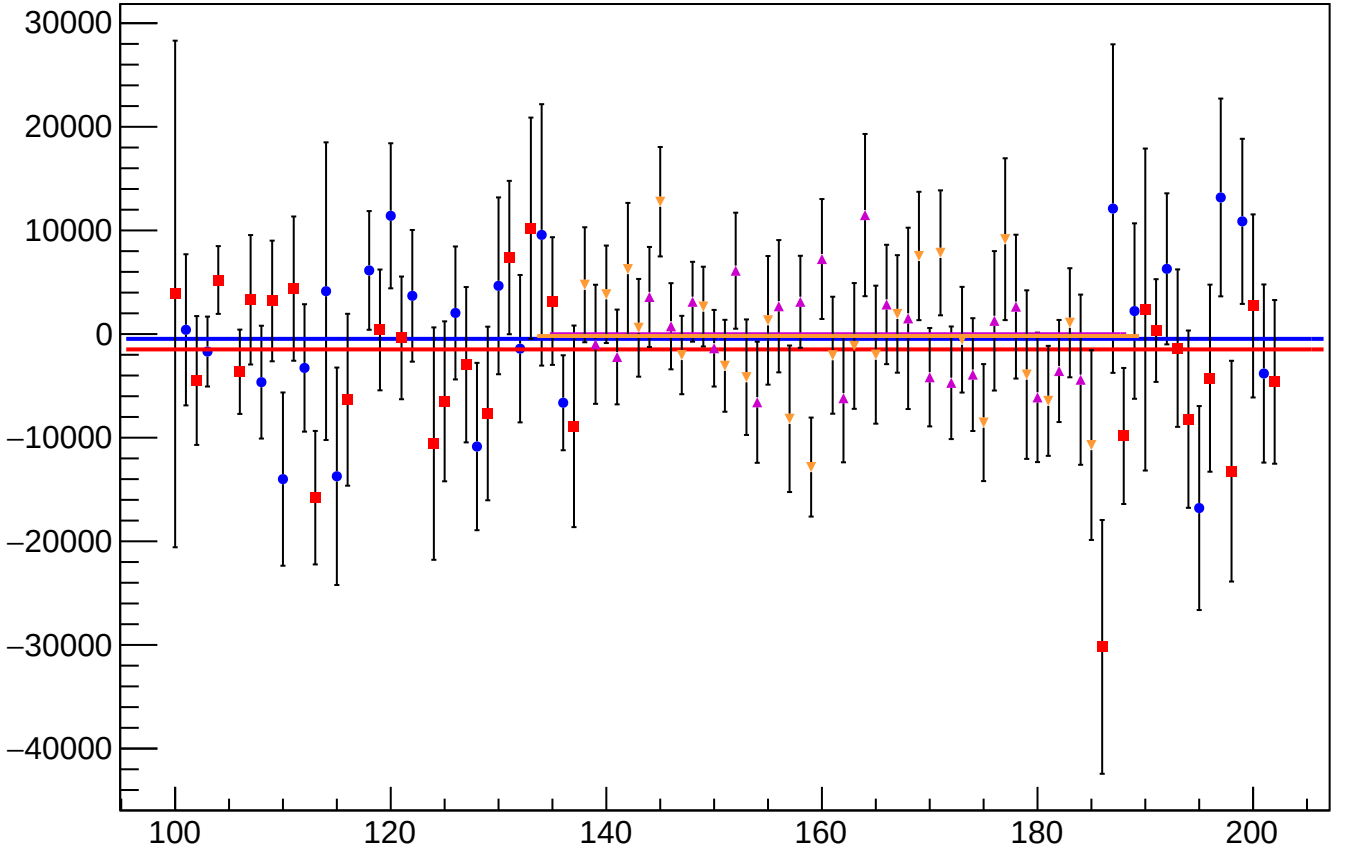
Right: 1946.248+/-0.270 χ^2/NDF: 1101861.3/51

In: 1882.677+/-0.242 χ^2/NDF:761500.6/45

Out: 1886.947+/-0.231 χ^2/NDF:458863.4/53

All: 1884.908+/-0.167 χ^2/NDF: 1220526.9/99

asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -463.278+/-1435.662 χ^2/NDF: 23.1/22

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1481.458+/-1259.608 χ^2/NDF: 27.2/28

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

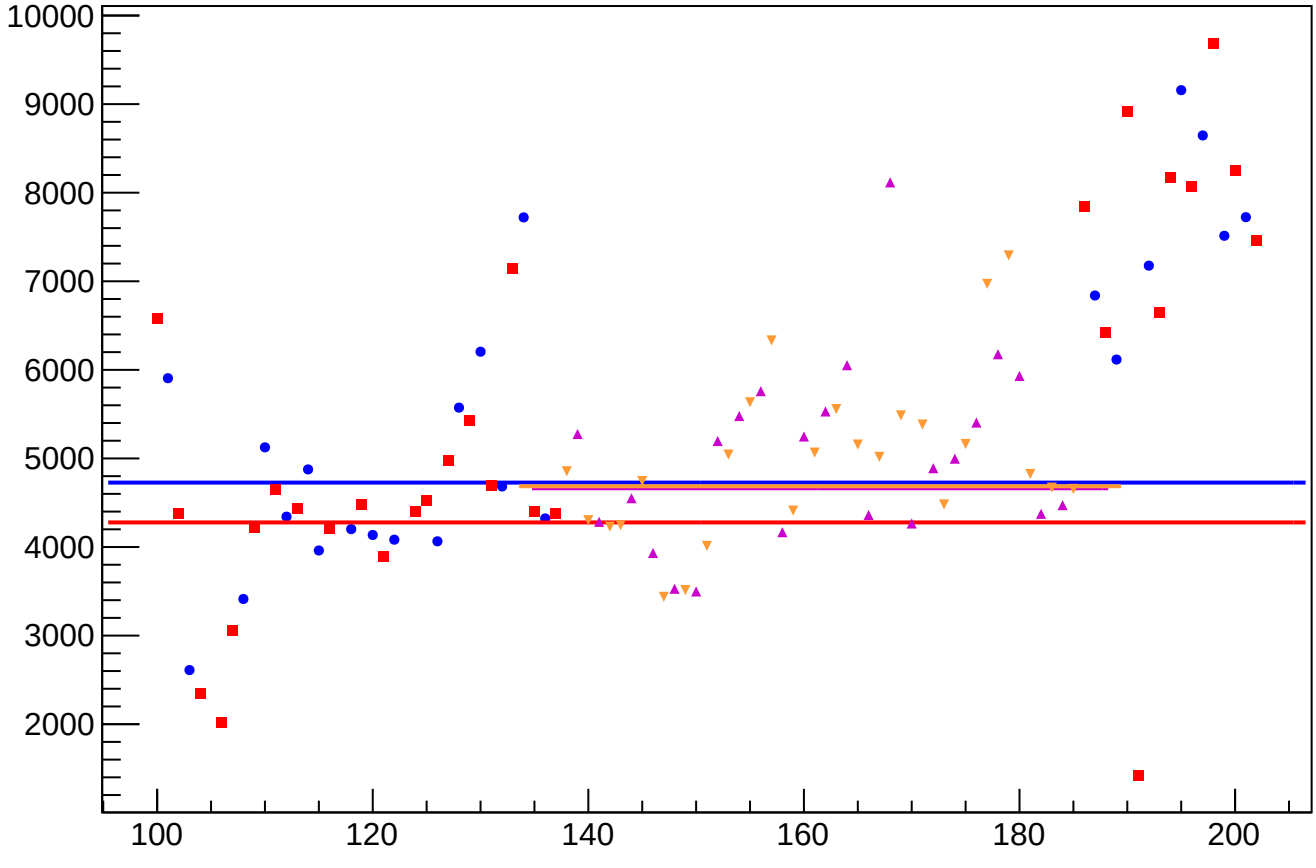
Right: -1038.592+/-946.839 χ^2/NDF: 50.6/51

In: -185.970+/-879.414 χ^2/NDF:36.9/45

Out: -741.891+/-823.640 χ^2/NDF:56.7/53

All: -482.117+/-601.153 χ^2/NDF: 93.8/99

asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4727.305+/-1.015 χ^2/NDF: 2807796.1/22

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4277.643+/-0.891 χ^2/NDF: 5070148.0/28

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

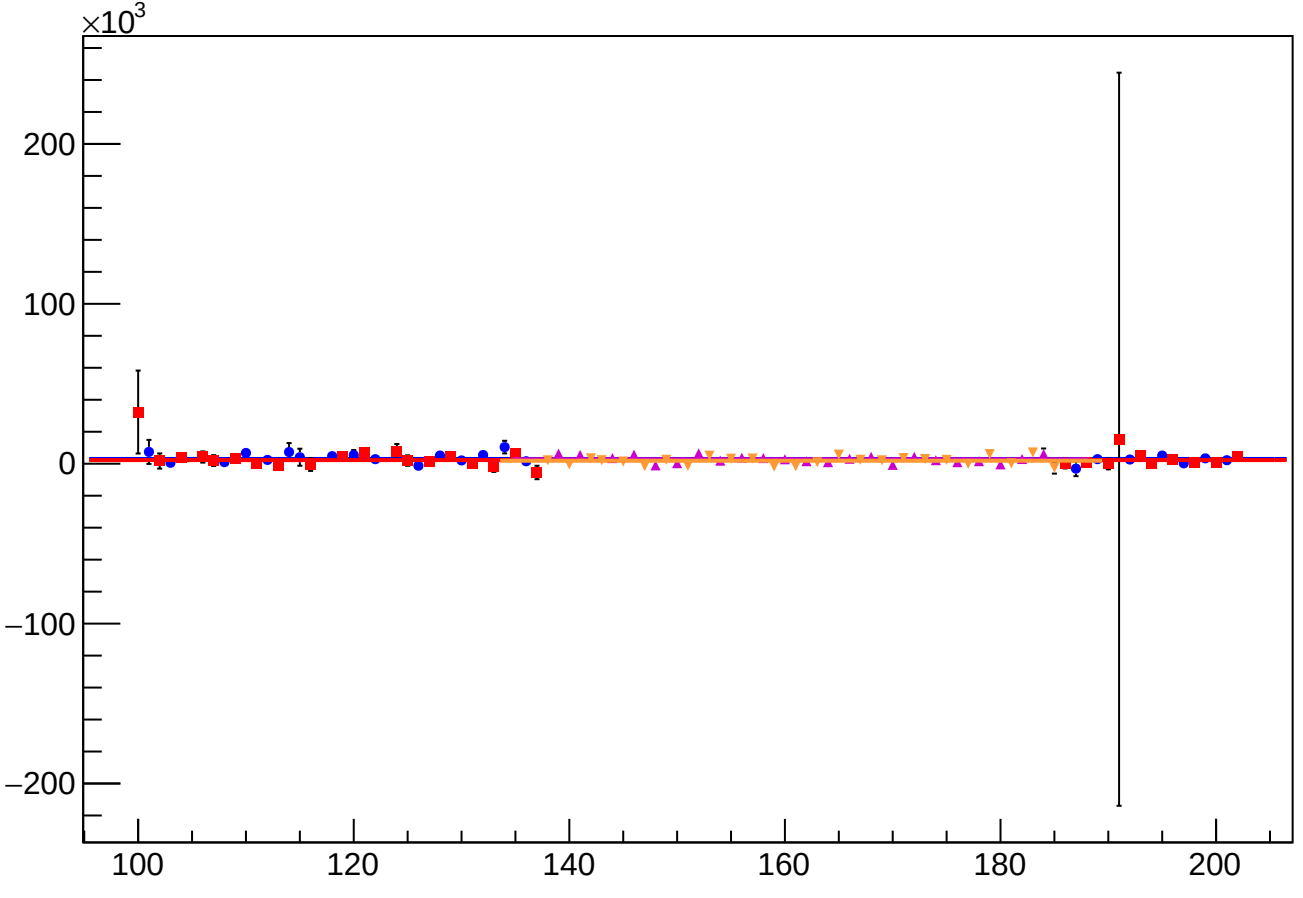
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4473.226+/-0.670 χ^2/NDF: 7988805.2/51

In: 4687.299+/-0.622 χ^2/NDF:4097004.5/45

Out: 4511.598+/-0.582 χ^2/NDF:6375768.5/53

All: 4593.700+/-0.425 χ^2/NDF: 10515302.4/9



Right In: 2972.782+/-575.248 χ^2/NDF: 16.5/22

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2273.671+/-533.573 χ^2/NDF: 23.3/28

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

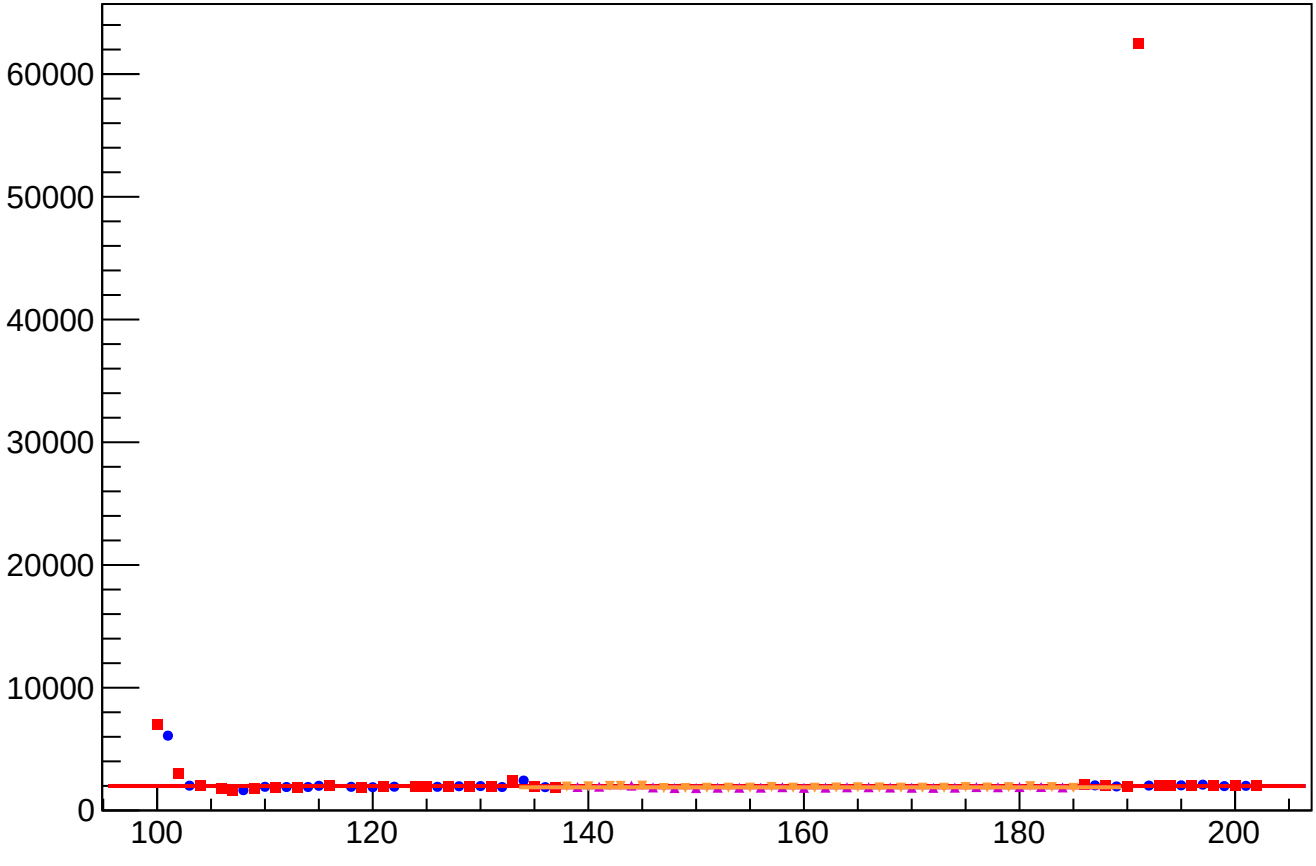
Right: 2596.988+/-391.197 χ^2/NDF: 40.6/51

In: 2862.646+/-349.103 χ^2/NDF:42.0/45

Out: 2035.121+/-334.328 χ^2/NDF:56.6/53

All: 2431.002+/-241.460 χ^2/NDF: 101.5/99

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1994.007+/-0.407 χ^2/NDF: 673265.9/22

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1989.649+/-0.377 χ^2/NDF: 417391.8/28

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

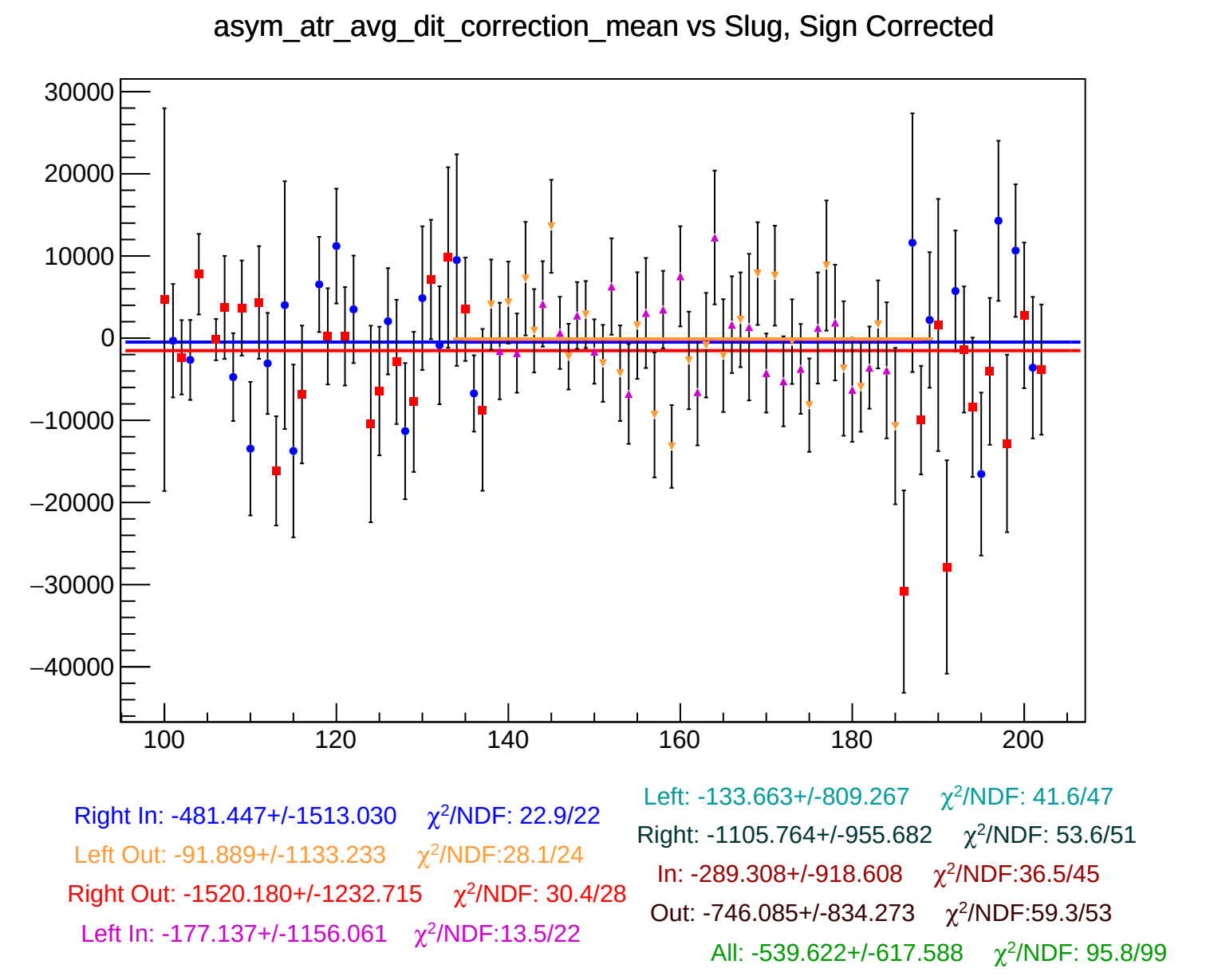
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

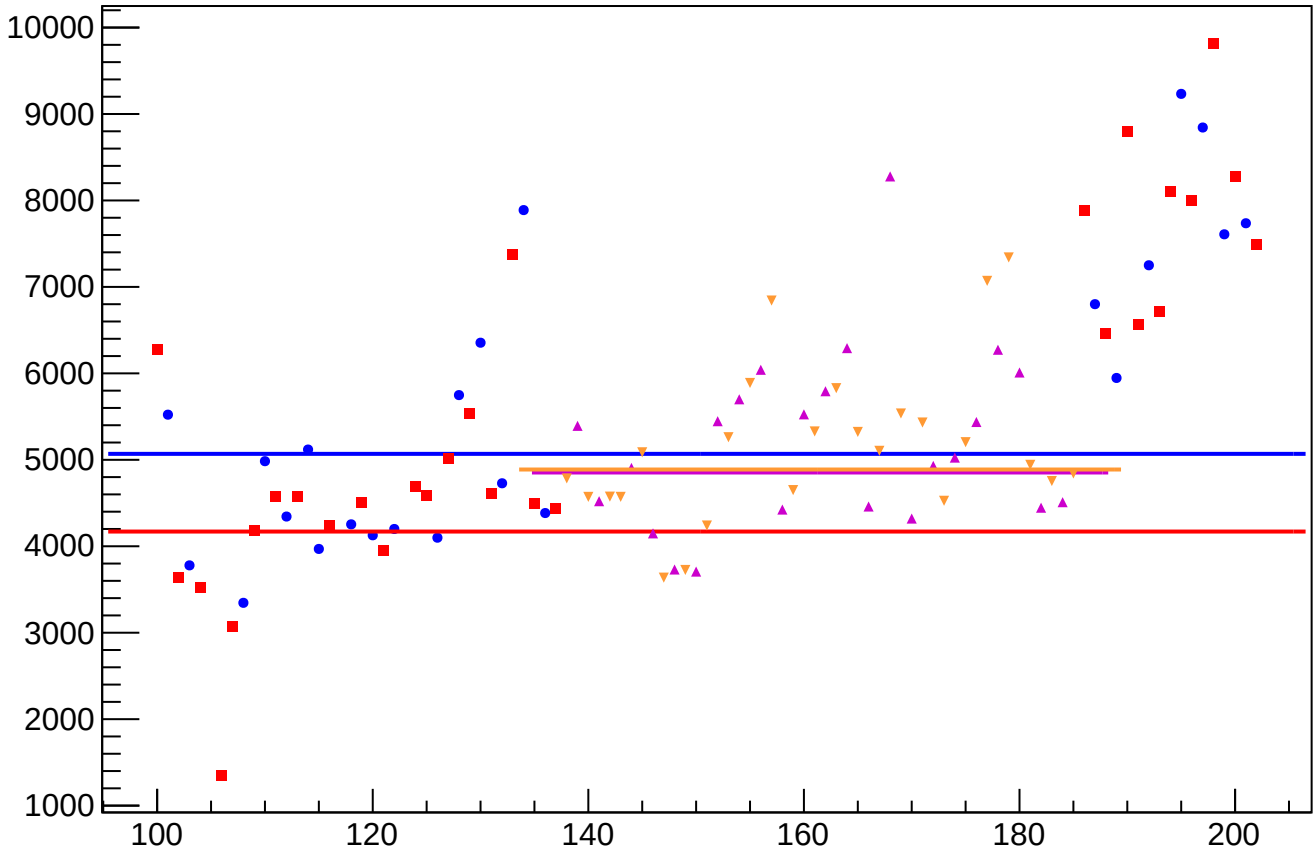
Right: 1991.663+/-0.277 χ^2/NDF: 1090719.4/51

In: 1922.352+/-0.247 χ^2/NDF:741429.0/45

Out: 1927.654+/-0.236 χ^2/NDF:493855.4/53

All: 1925.118+/-0.171 χ^2/NDF: 1235525.2/99


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -481.447+/-1513.030 χ²/NDF: 22.9/22
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -1520.180+/-1232.715 χ²/NDF: 30.4/28
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1105.764+/-955.682 χ²/NDF: 53.6/51
In: -289.308+/-918.608 χ²/NDF:36.5/45
Out: -746.085+/-834.273 χ²/NDF:59.3/53
All: -539.622+/-617.588 χ²/NDF: 95.8/99



Right In: 5068.908+/-1.070 χ^2/NDF: 2029019.4/22

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4170.219+/-0.872 χ^2/NDF: 5970867.4/28

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

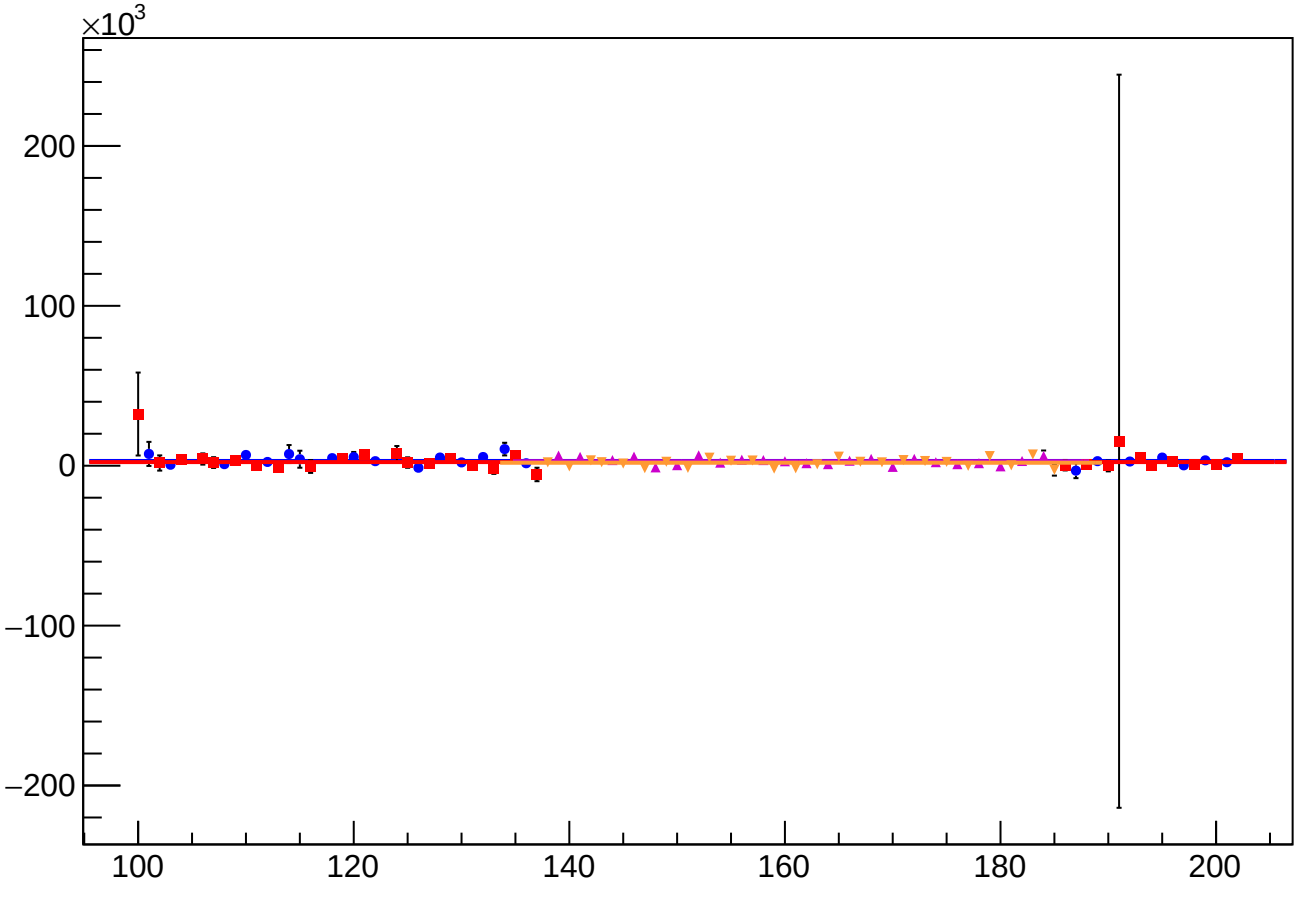
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4528.762+/-0.676 χ^2/NDF: 8423974.8/51

In: 4932.815+/-0.650 χ^2/NDF:3233284.0/45

Out: 4559.141+/-0.590 χ^2/NDF:7401492.2/53

All: 4728.041+/-0.437 χ^2/NDF: 10816134.4/9



Right In: 2972.784+/-575.248 χ^2/NDF: 16.5/22

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2273.672+/-533.573 χ^2/NDF: 23.3/28

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

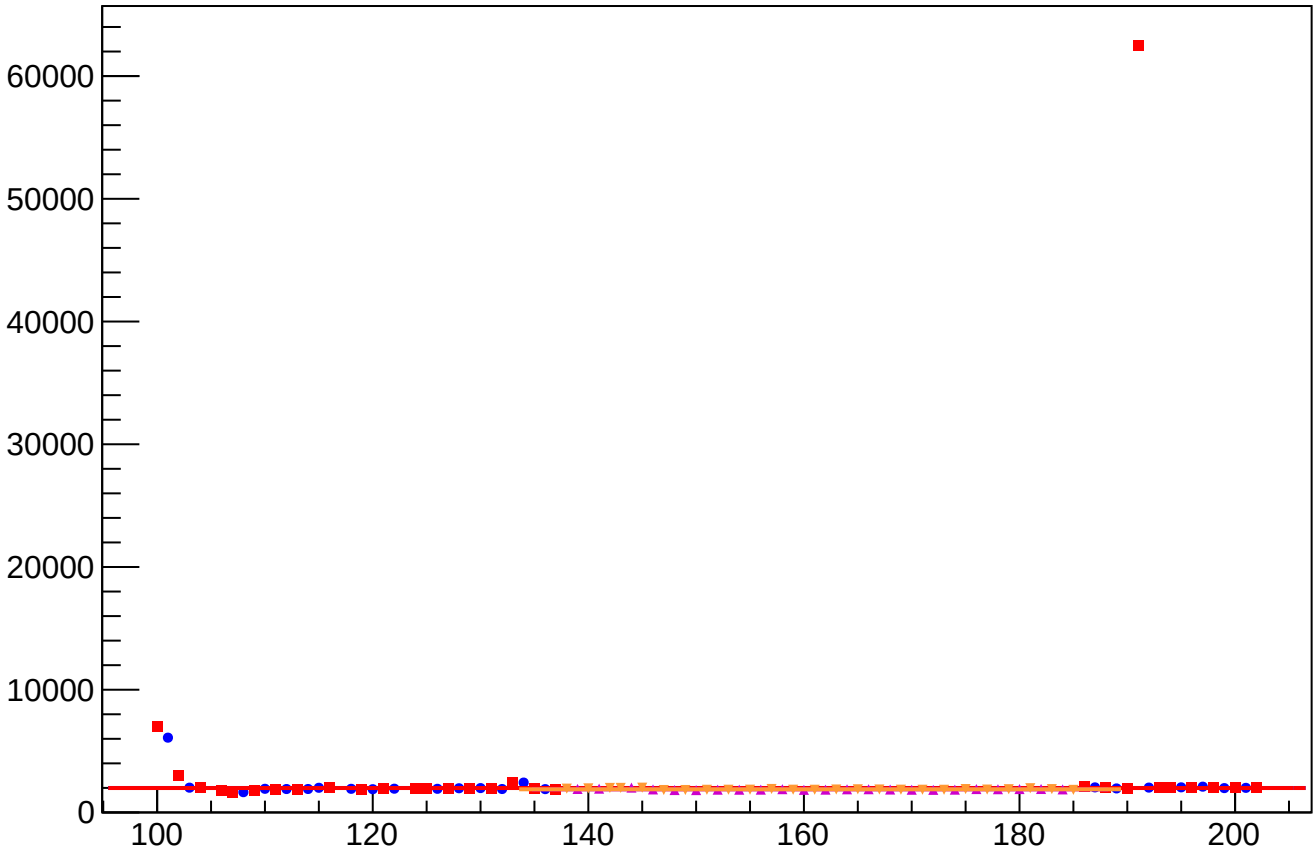
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2596.989+/-391.197 χ^2/NDF: 40.6/51

In: 2862.647+/-349.103 χ^2/NDF:42.0/45

Out: 2035.118+/-334.328 χ^2/NDF:56.6/53

All: 2431.001+/-241.460 χ^2/NDF: 101.5/99



Right In: 1994.007+/-0.407 χ^2/NDF: 673265.9/22

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1989.648+/-0.377 χ^2/NDF: 417391.3/28

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

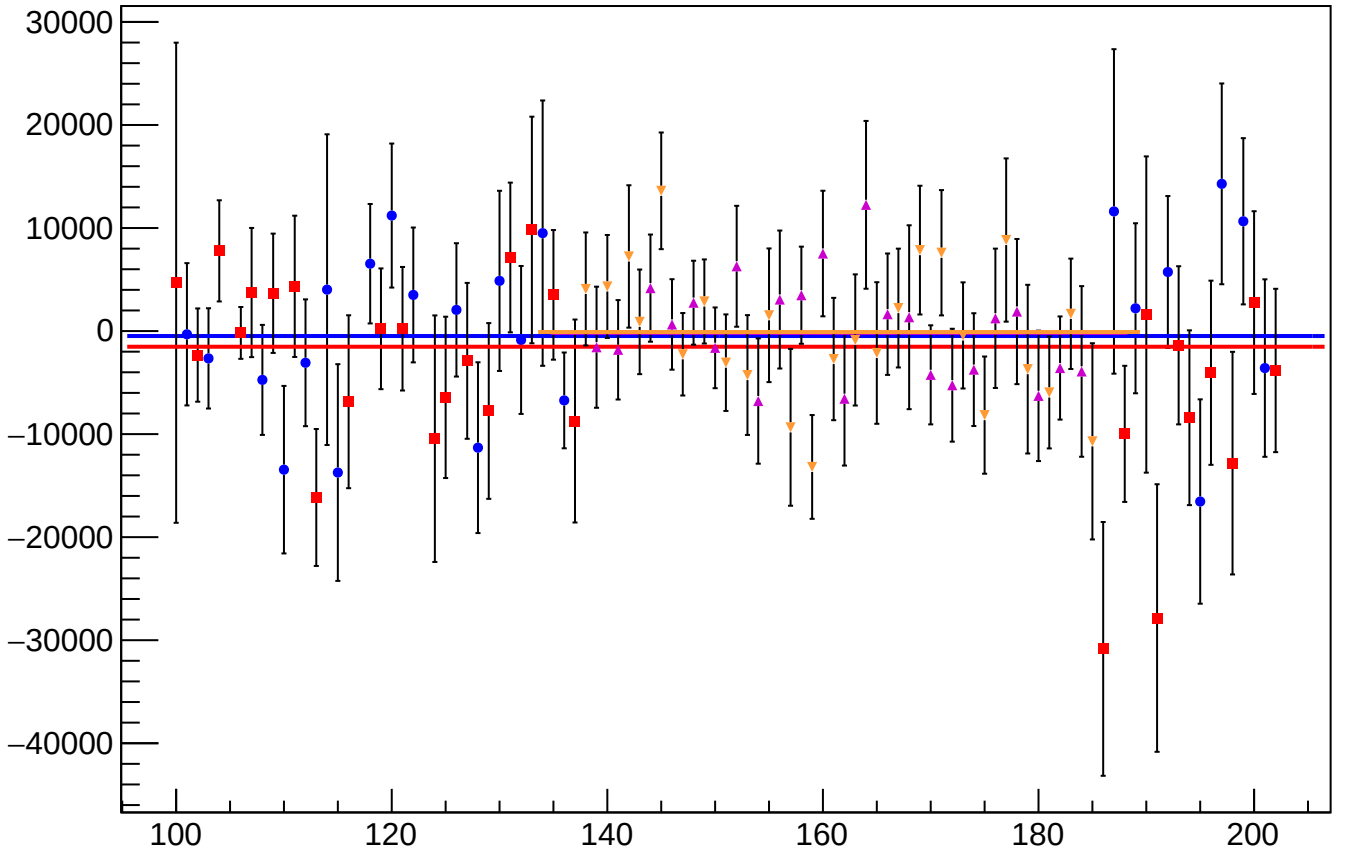
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1991.663+/-0.277 χ^2/NDF: 1090719.0/51

In: 1922.352+/-0.247 χ^2/NDF:741428.2/45

Out: 1927.654+/-0.236 χ^2/NDF:493854.4/53

All: 1925.118+/-0.171 χ^2/NDF: 1235523.3/99



Right In: -481.435+/-1513.028 χ^2/NDF: 22.9/22

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -1520.176+/-1232.713 χ^2/NDF: 30.4/28

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

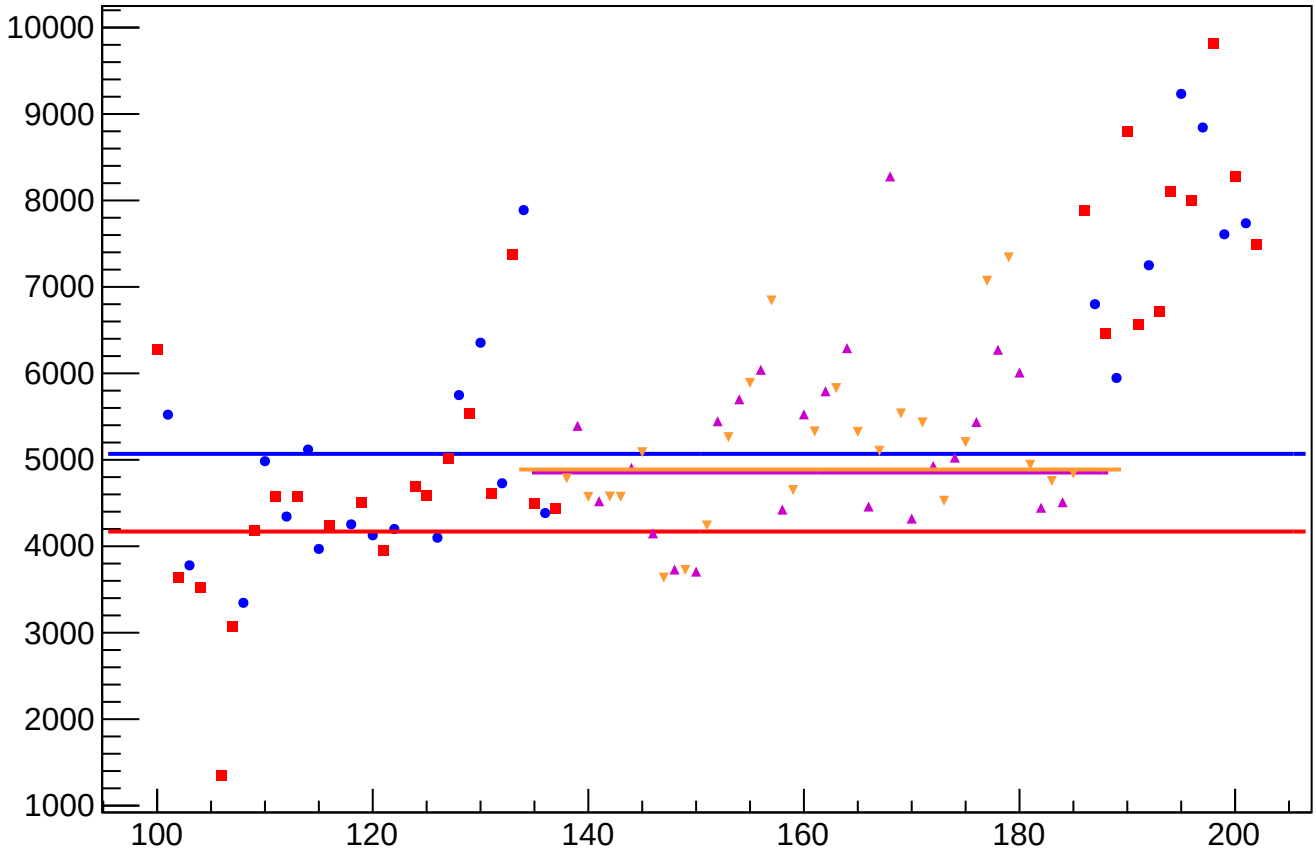
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -1105.757+/-955.681 χ^2/NDF: 53.6/51

In: -289.306+/-918.608 χ^2/NDF:36.5/45

Out: -746.087+/-834.273 χ^2/NDF:59.3/53

All: -539.622+/-617.588 χ^2/NDF: 95.8/99



Right In: 5068.902+/-1.070 χ^2/NDF: 2029031.6/22

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4170.209+/-0.872 χ^2/NDF: 5970894.9/28

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

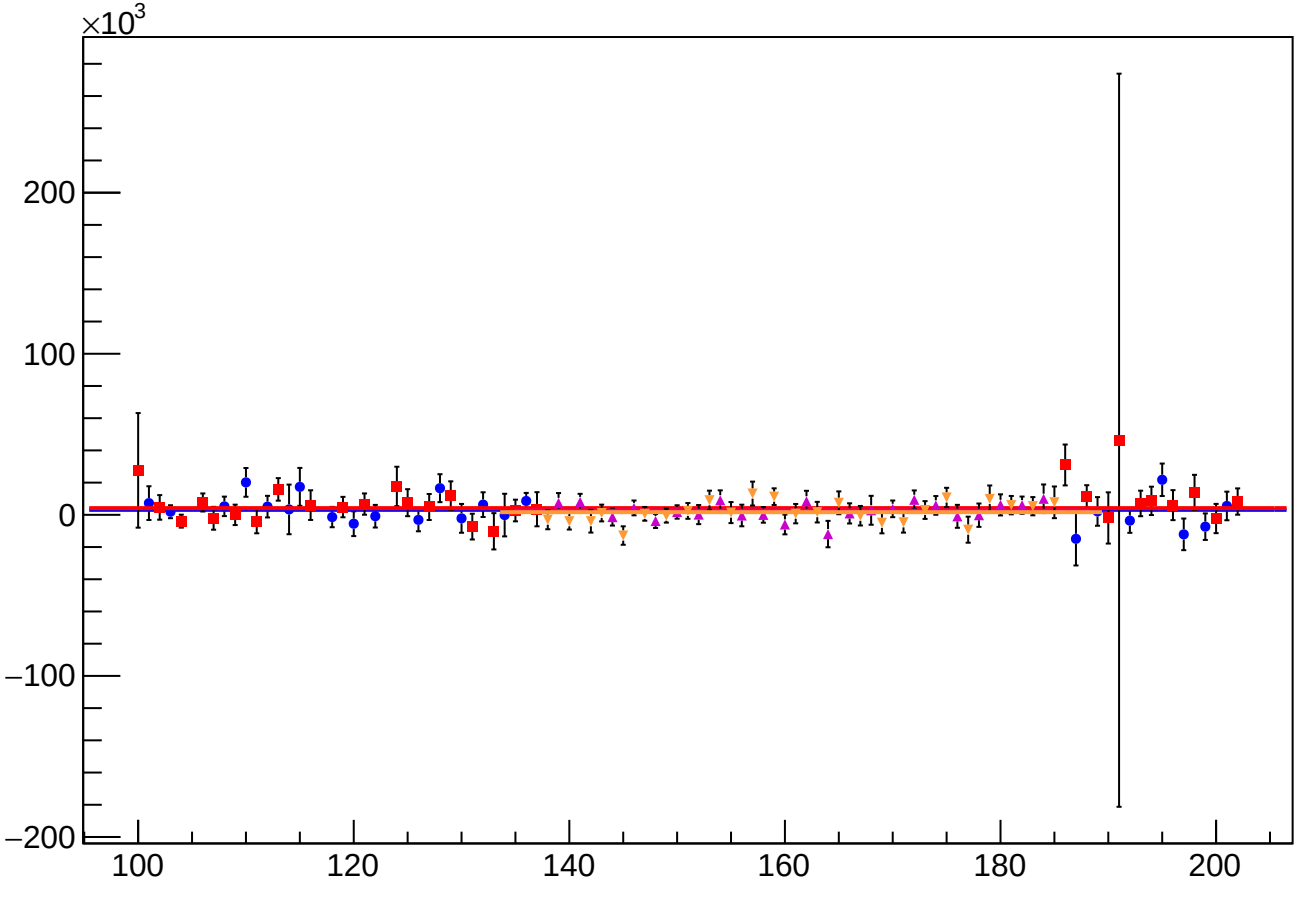
Right: 4528.754+/-0.676 χ^2/NDF: 8424018.1/51

In: 4932.817+/-0.650 χ^2/NDF:3233295.4/45

Out: 4559.140+/-0.590 χ^2/NDF:7401538.7/53

All: 4728.042+/-0.437 χ^2/NDF: 10816195.7/9

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3103.147+/-1588.464 χ^2/NDF: 22.1/22

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4164.592+/-1466.826 χ^2/NDF: 23.9/28

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

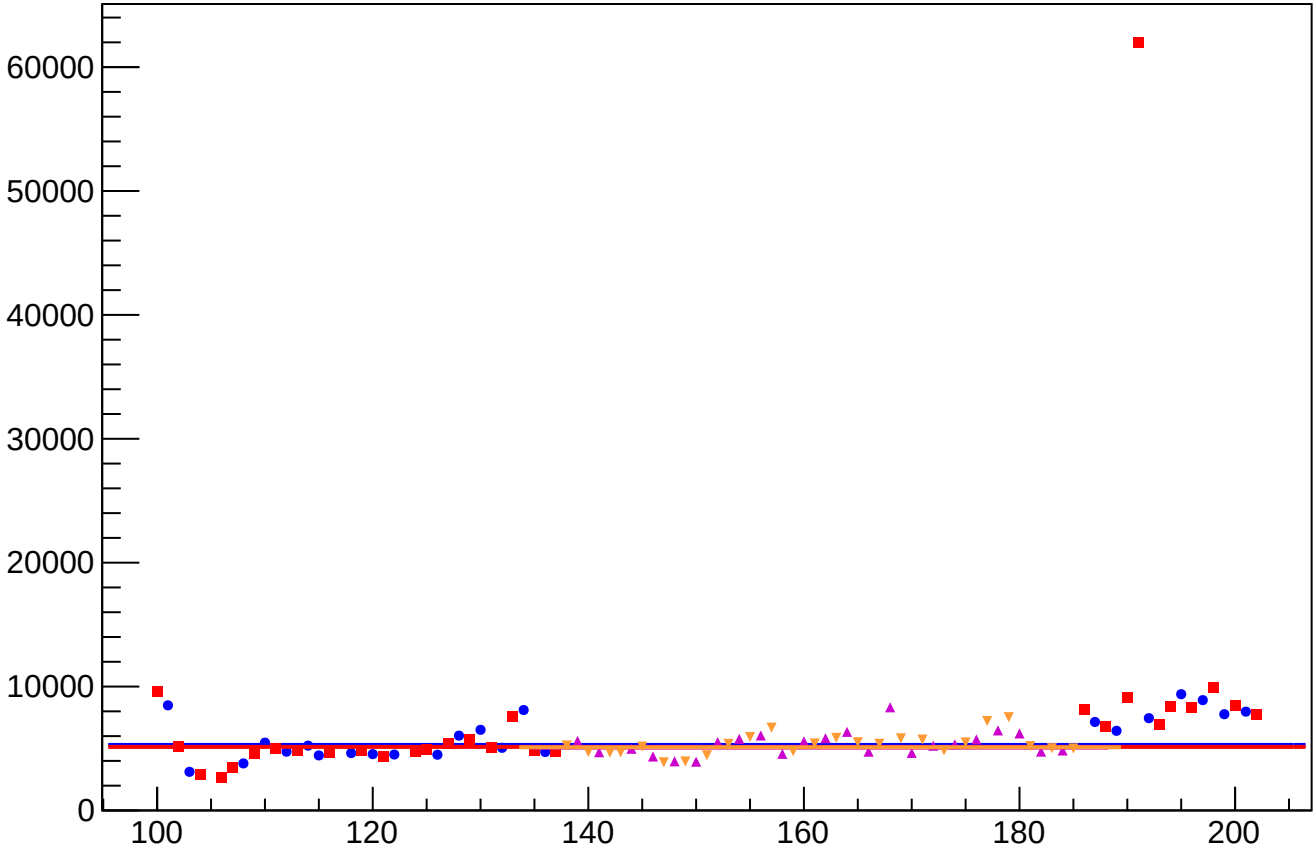
Right: 3676.061+/-1077.642 χ^2/NDF: 46.2/51

In: 2760.567+/-959.747 χ^2/NDF:38.1/45

Out: 2639.396+/-918.784 χ^2/NDF:51.6/53

All: 2697.341+/-663.688 χ^2/NDF: 89.8/99

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5288.737+/-1.123 χ^2/NDF: 2361085.7/22

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5129.433+/-1.030 χ^2/NDF: 3364191.6/28

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

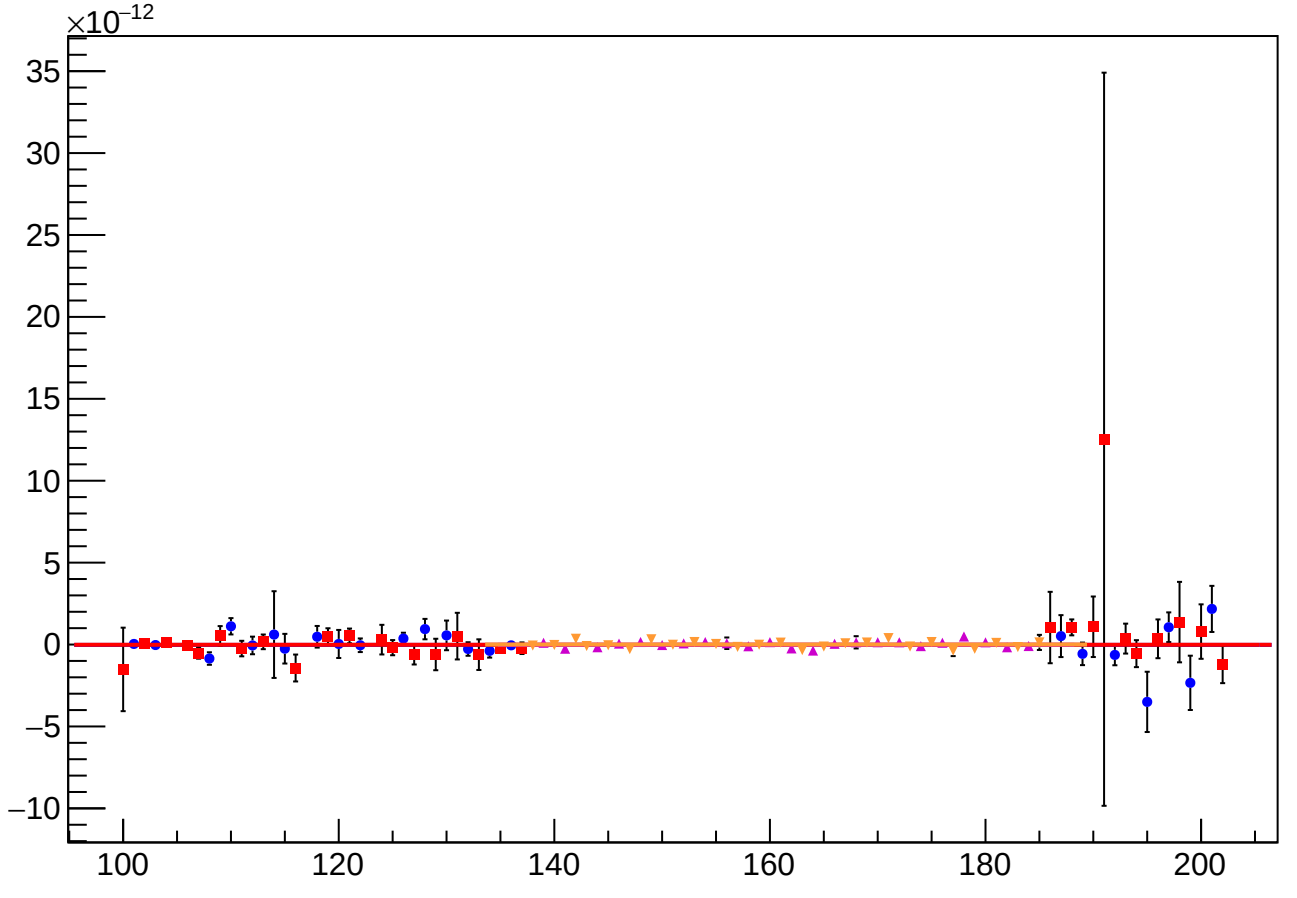
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5202.222+/-0.759 χ^2/NDF: 5736201.5/51

In: 5152.101+/-0.679 χ^2/NDF:3376307.4/45

Out: 5112.030+/-0.648 χ^2/NDF:4273994.2/53

All: 5131.139+/-0.469 χ^2/NDF: 7652125.4/99



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/28

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

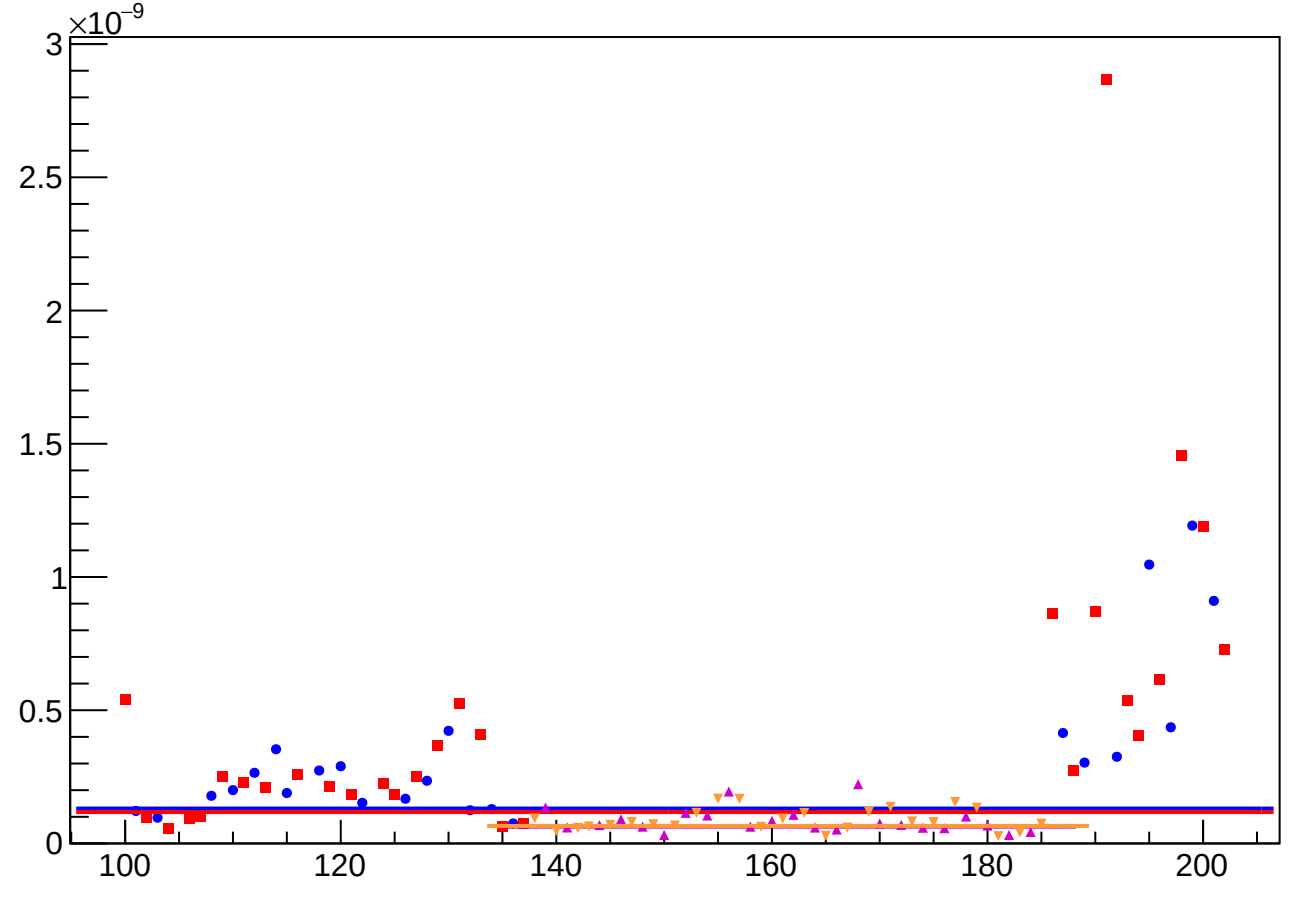
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.1/51

In: -0.000+/-0.000 χ^2/NDF:59.5/45

Out: -0.000+/-0.000 χ^2/NDF:56.4/53

All: -0.000+/-0.000 χ^2/NDF: 116.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 3737434.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5766011.5/28

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

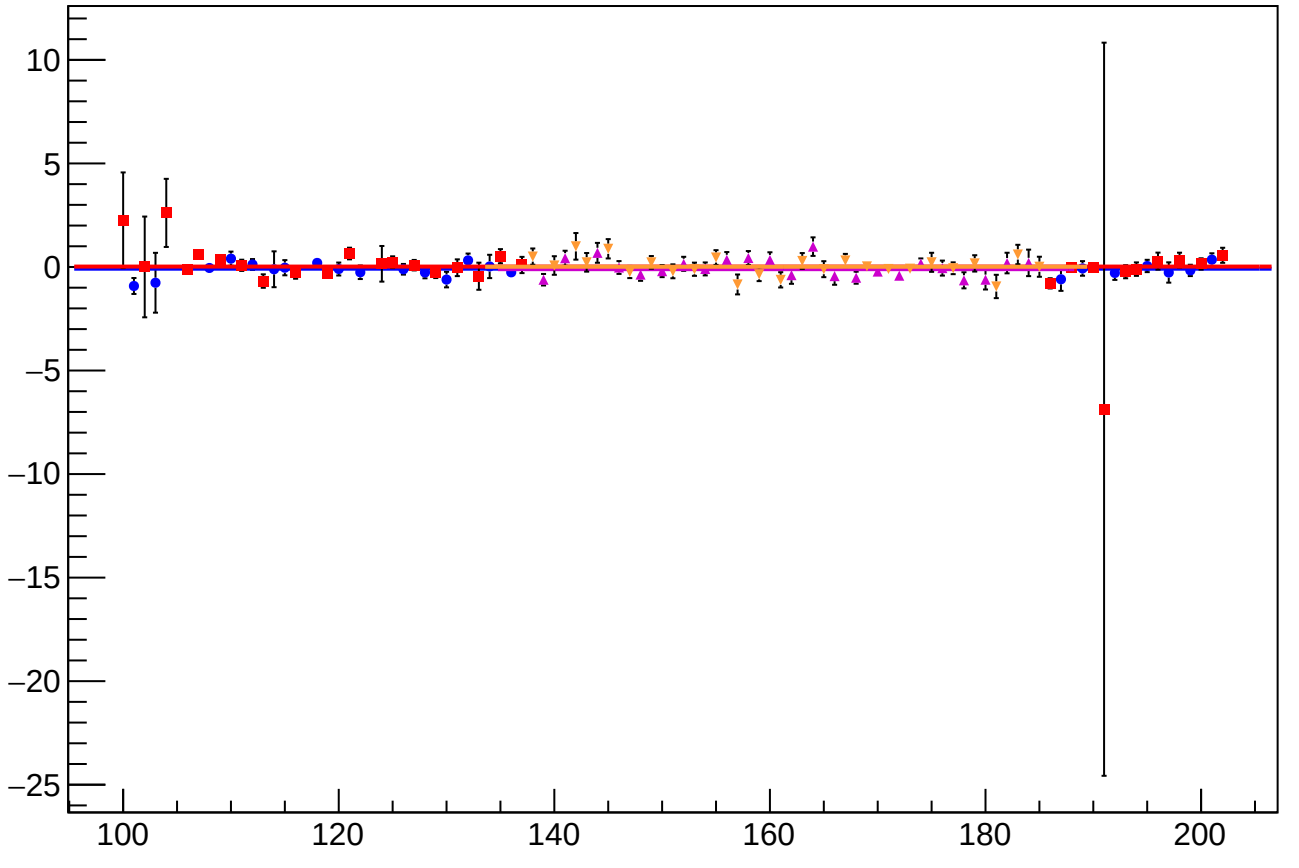
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9536301.9/51

In: 0.000+/-0.000 χ^2/NDF:7413857.5/45

Out: 0.000+/-0.000 χ^2/NDF:9176598.5/53

All: 0.000+/-0.000 χ^2/NDF: 16592366.6/99



Right In: -0.083+/-0.066 χ^2/NDF: 17.5/22

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.020+/-0.054 χ^2/NDF: 44.6/28

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

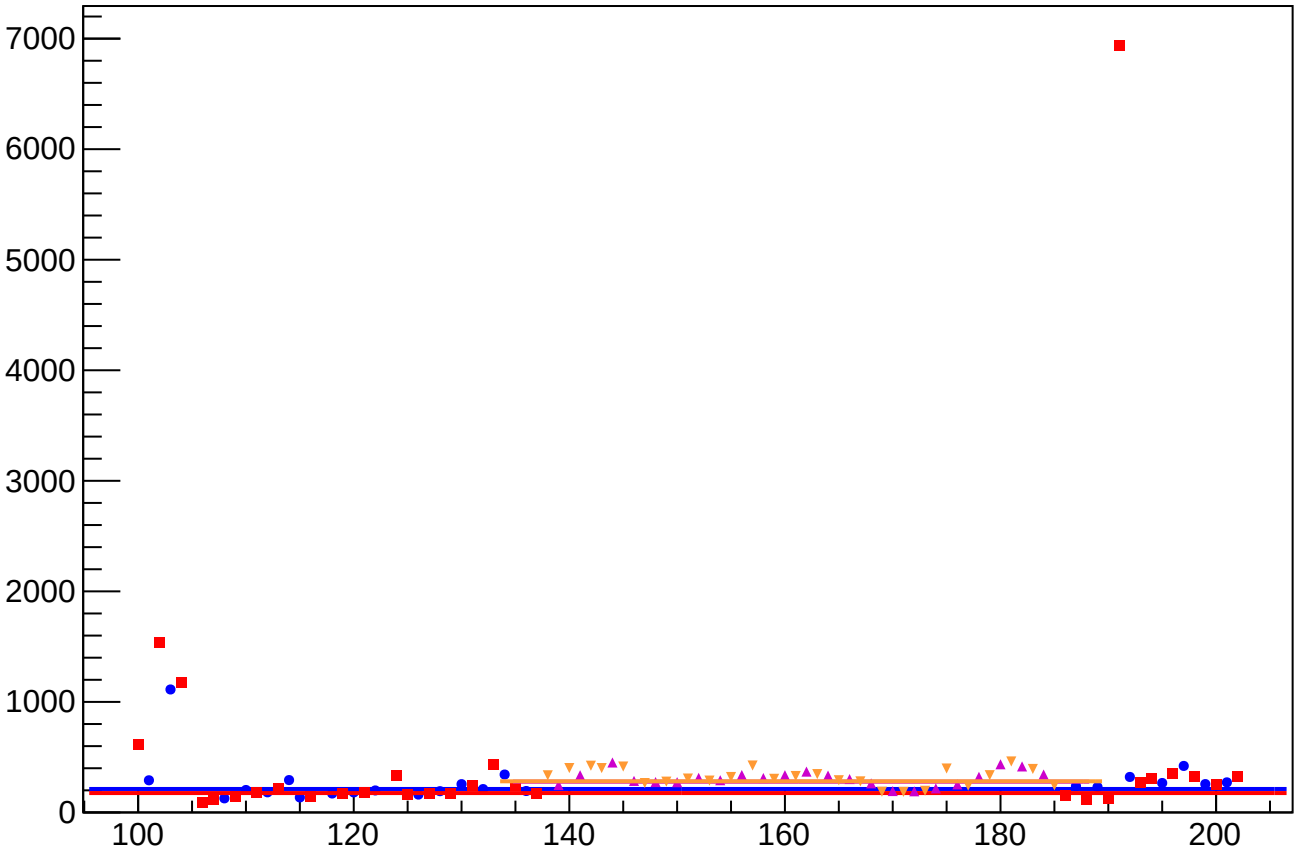
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.021+/-0.042 χ^2/NDF: 63.6/51

In: -0.094+/-0.048 χ^2/NDF:49.0/45

Out: 0.017+/-0.042 χ^2/NDF:69.8/53

All: -0.032+/-0.032 χ^2/NDF: 121.8/99



Right In: 212.501+/-0.047 χ^2/NDF: 2415804.9/22

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.452+/-0.038 χ^2/NDF: 5177900.5/28

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

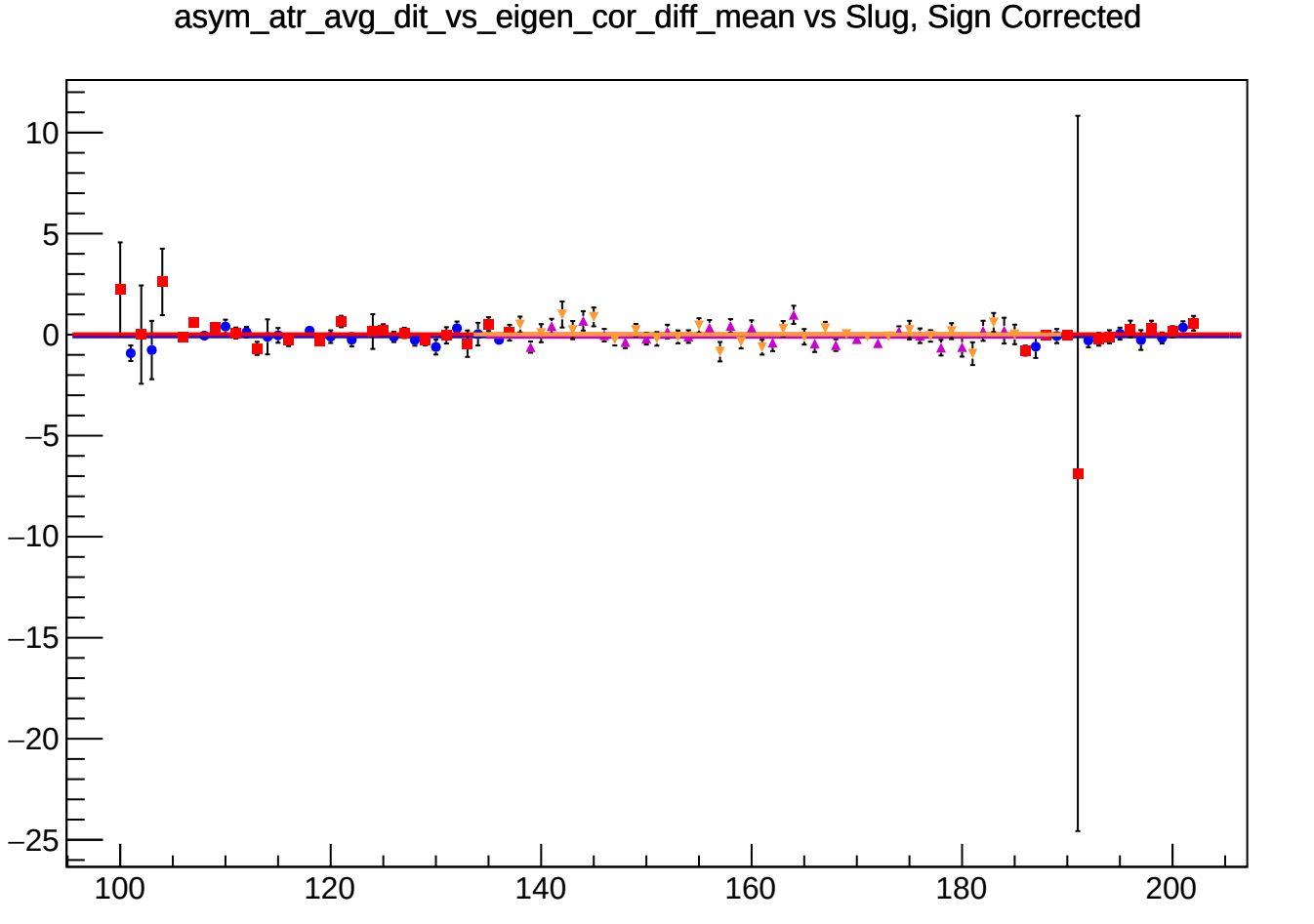
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.151+/-0.029 χ^2/NDF: 7973230.2/51

In: 244.212+/-0.034 χ^2/NDF:5173451.6/45

Out: 216.152+/-0.030 χ^2/NDF:10715614.6/53

All: 228.471+/-0.022 χ^2/NDF: 16279262.1/99



Right In: -0.083+/-0.066 χ^2/NDF: 17.5/22

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.020+/-0.054 χ^2/NDF: 44.6/28

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

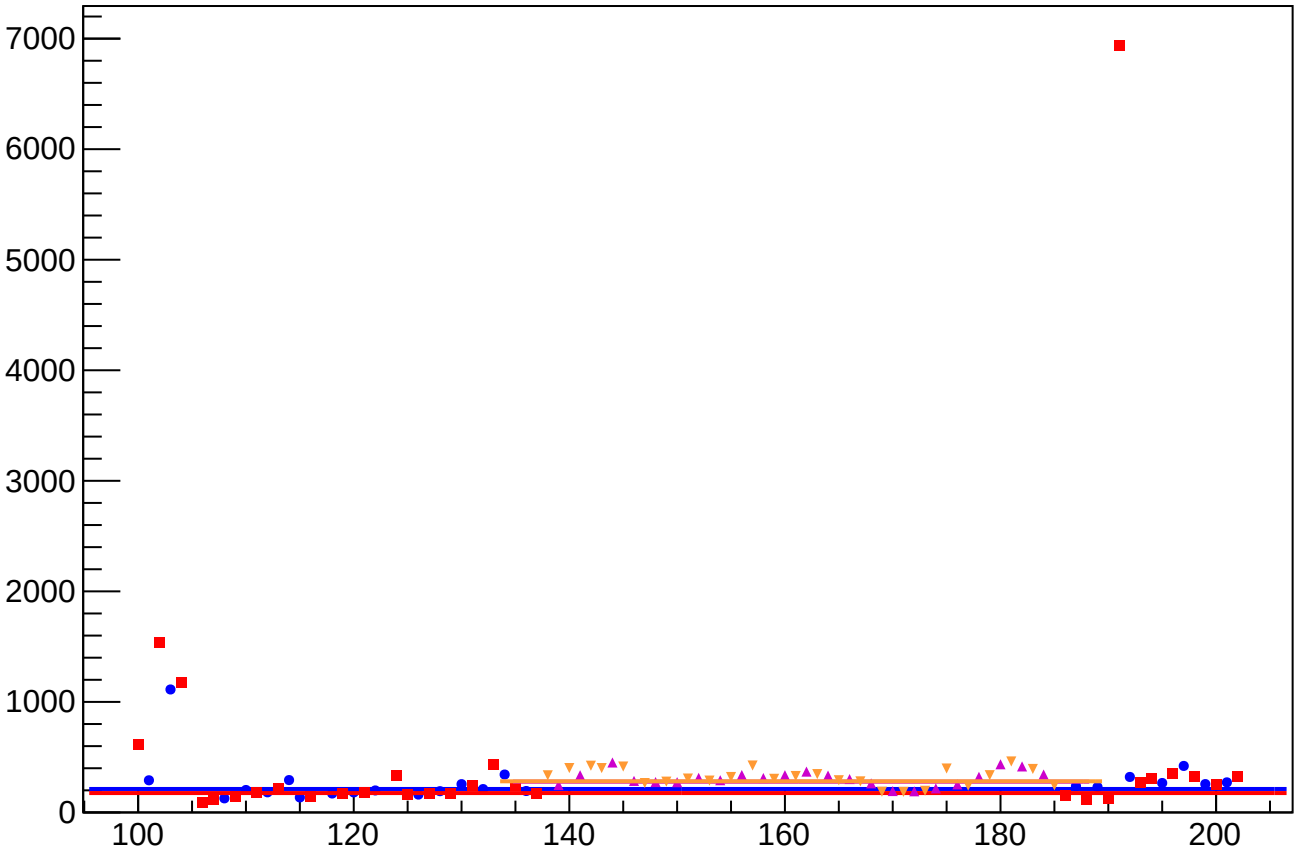
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.021+/-0.042 χ^2/NDF: 63.6/51

In: -0.094+/-0.048 χ^2/NDF:49.0/45

Out: 0.017+/-0.042 χ^2/NDF:69.8/53

All: -0.032+/-0.032 χ^2/NDF: 121.8/99



Right In: 212.501+/-0.047 χ^2/NDF: 2415804.9/22

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.452+/-0.038 χ^2/NDF: 5177900.5/28

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

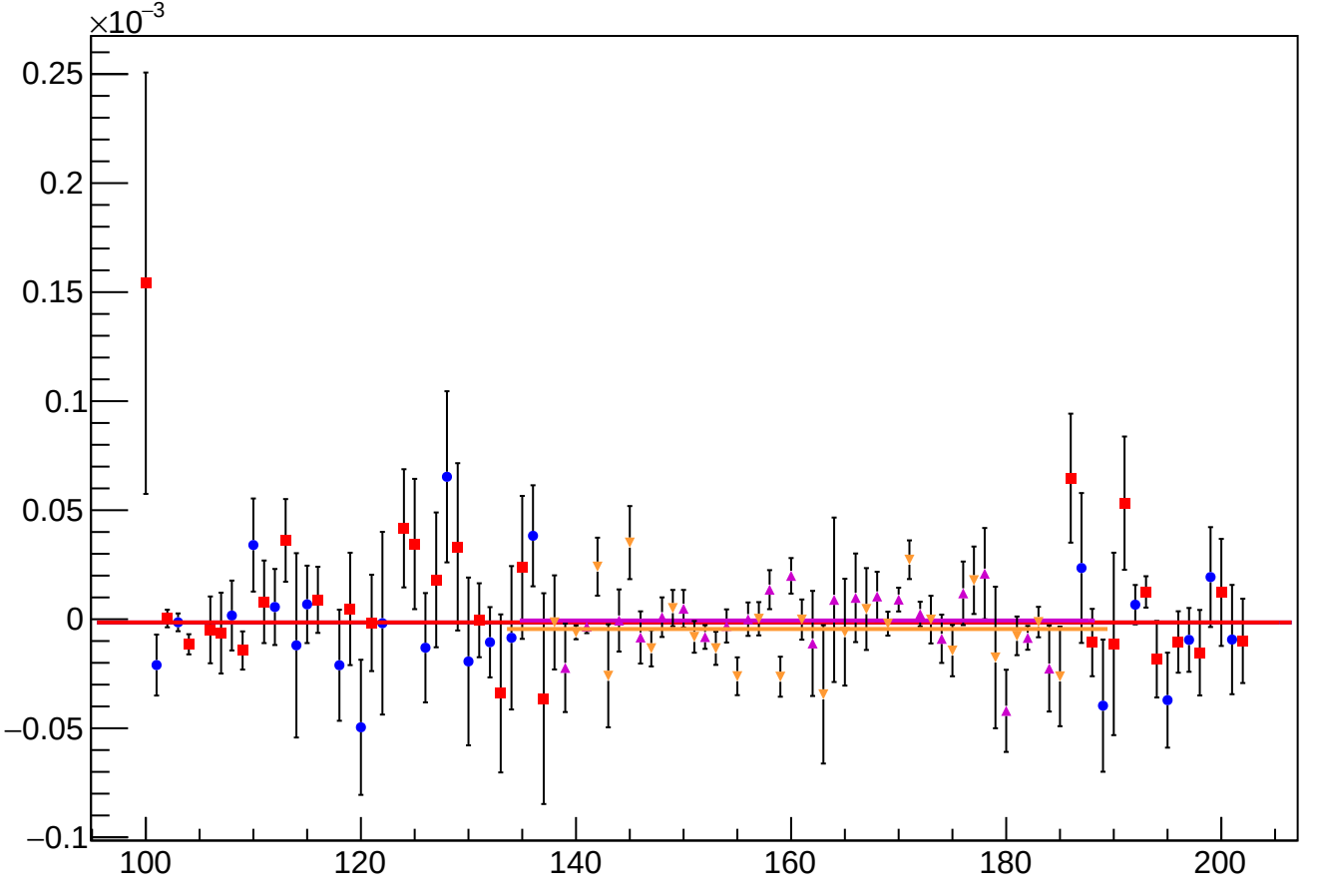
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.151+/-0.029 χ^2/NDF: 7973230.2/51

In: 244.212+/-0.034 χ^2/NDF:5173451.6/45

Out: 216.152+/-0.030 χ^2/NDF:10715614.6/53

All: 228.471+/-0.022 χ^2/NDF: 16279262.1/99



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.4/28

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

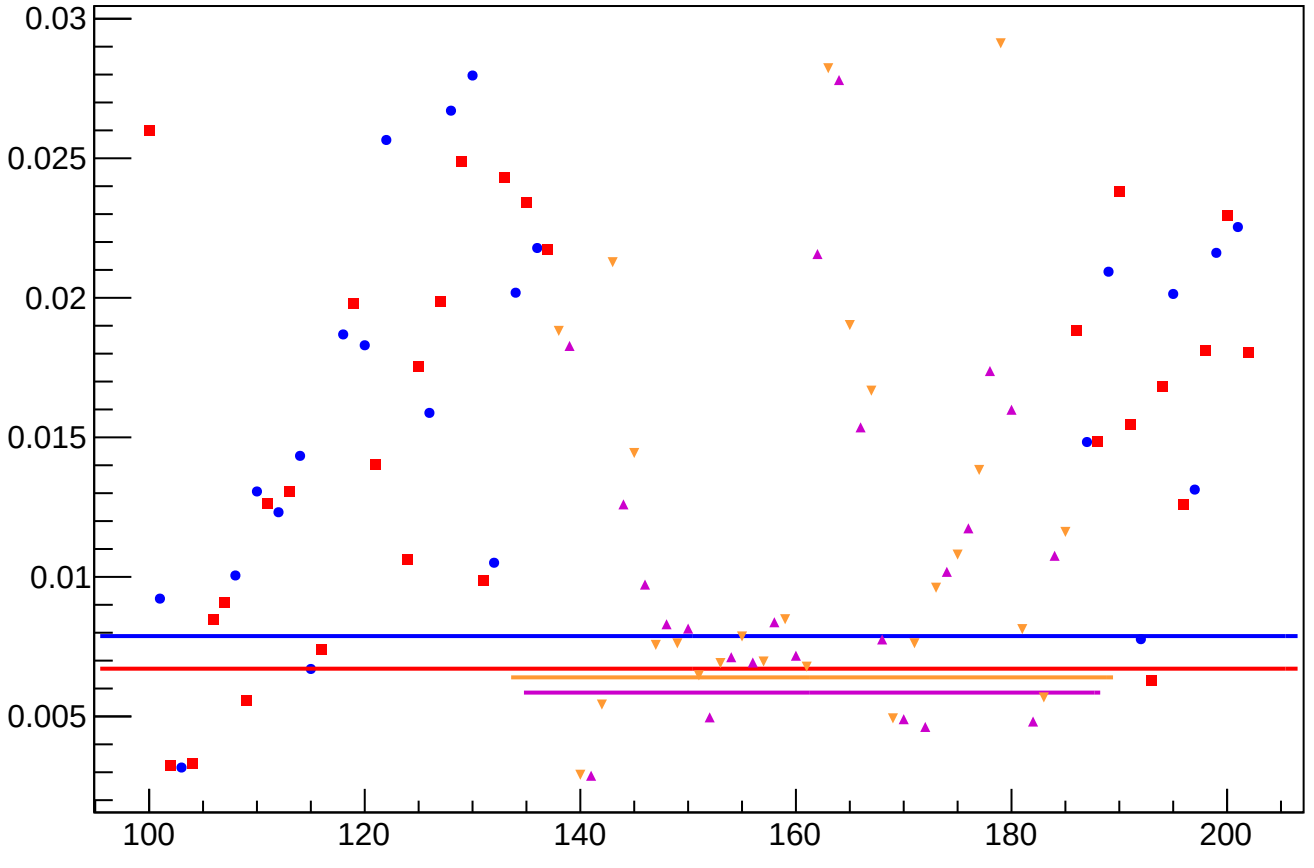
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 58.0/51

In: -0.000+/-0.000 χ^2/NDF:50.8/45

Out: -0.000+/-0.000 χ^2/NDF:83.9/53

All: -0.000+/-0.000 χ^2/NDF: 136.4/99



Right In: 0.008+/-0.000 χ^2/NDF: 8984304.8/22

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10906495.9/28

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

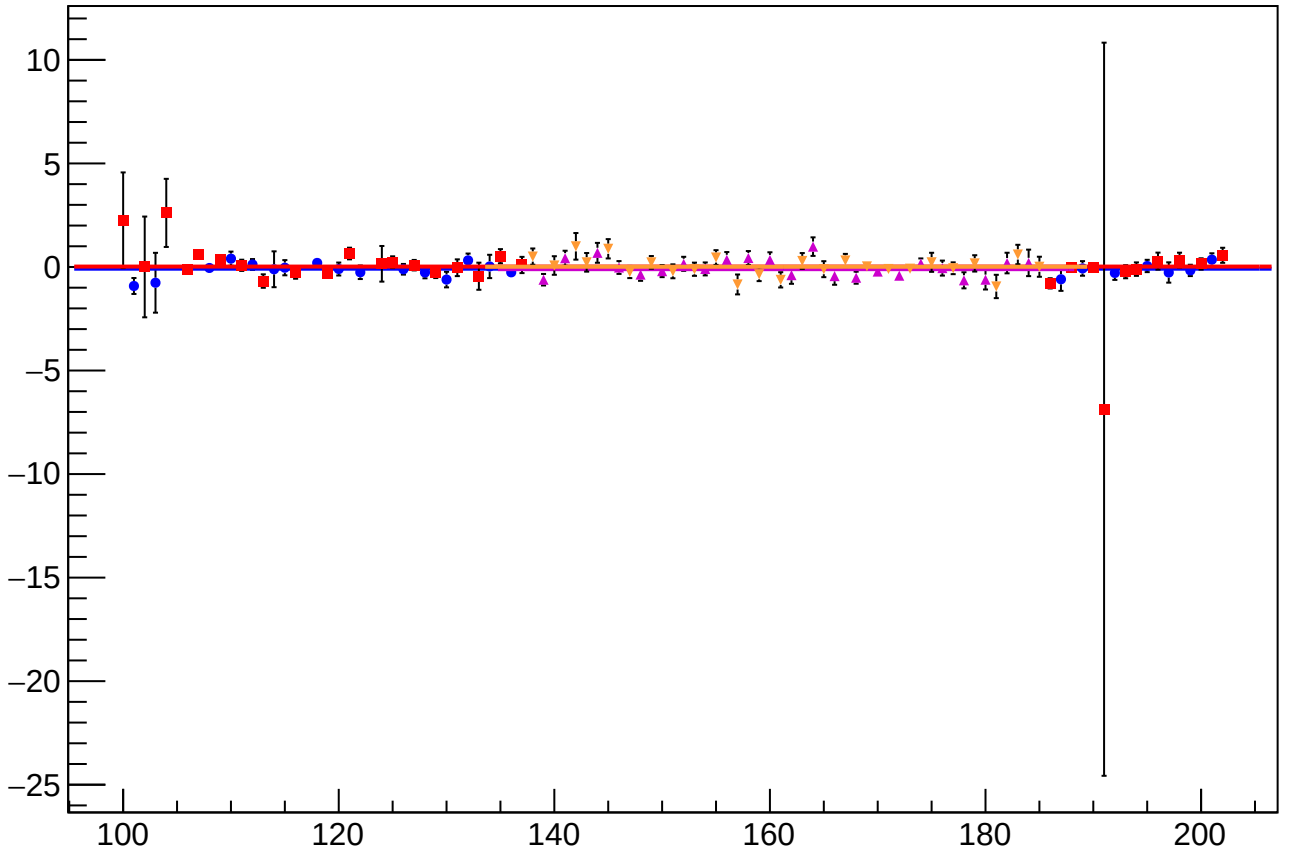
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 20088311.0/51

In: 0.006+/-0.000 χ^2/NDF:17852882.5/45

Out: 0.007+/-0.000 χ^2/NDF:19894608.0/53

All: 0.006+/-0.000 χ^2/NDF: 37764258.5/99



Right In: -0.083+/-0.066 χ^2/NDF: 17.5/22

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.020+/-0.054 χ^2/NDF: 44.6/28

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

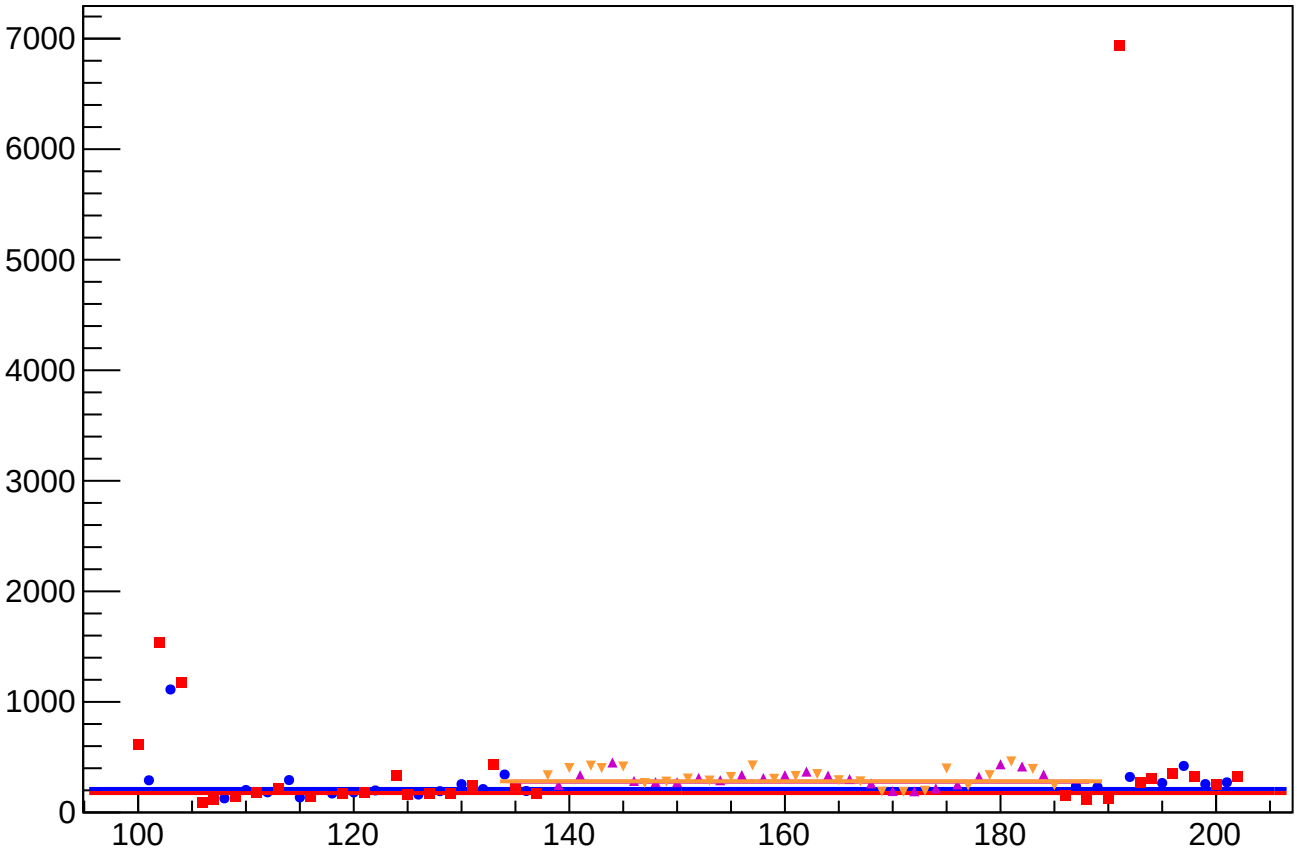
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.021+/-0.042 χ^2/NDF: 63.6/51

In: -0.094+/-0.048 χ^2/NDF:49.0/45

Out: 0.017+/-0.042 χ^2/NDF:69.8/53

All: -0.032+/-0.032 χ^2/NDF: 121.8/99



Right In: 212.501+/-0.047 χ^2/NDF: 2415802.6/22

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.449+/-0.038 χ^2/NDF: 5178035.0/28

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

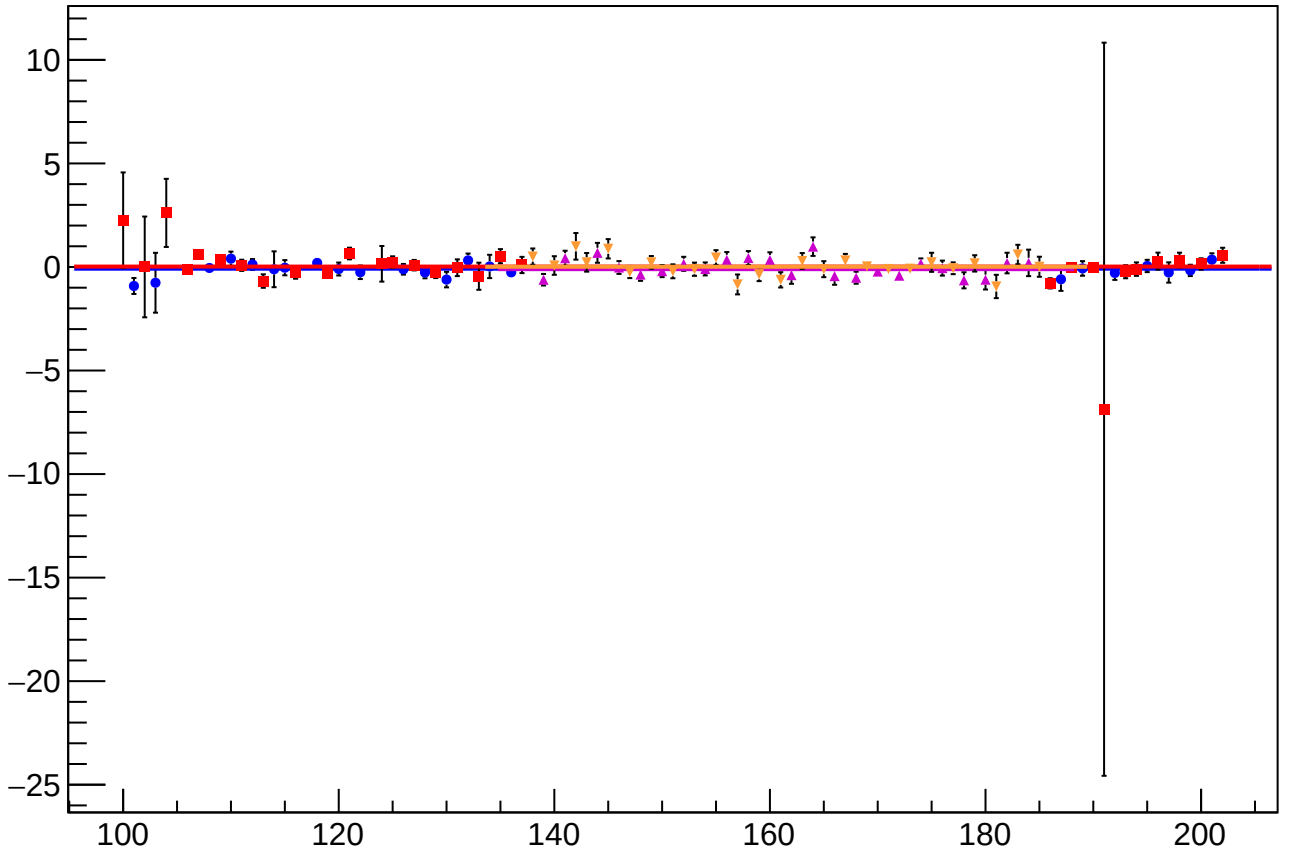
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 190.149+/-0.029 χ^2/NDF: 7973427.8/51

In: 244.213+/-0.034 χ^2/NDF:5173563.4/45

Out: 216.150+/-0.030 χ^2/NDF:10716140.0/53

All: 228.470+/-0.022 χ^2/NDF: 16279979.2/99



Right In: -0.083+/-0.066 χ^2/NDF: 17.5/22

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.020+/-0.054 χ^2/NDF: 44.6/28

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

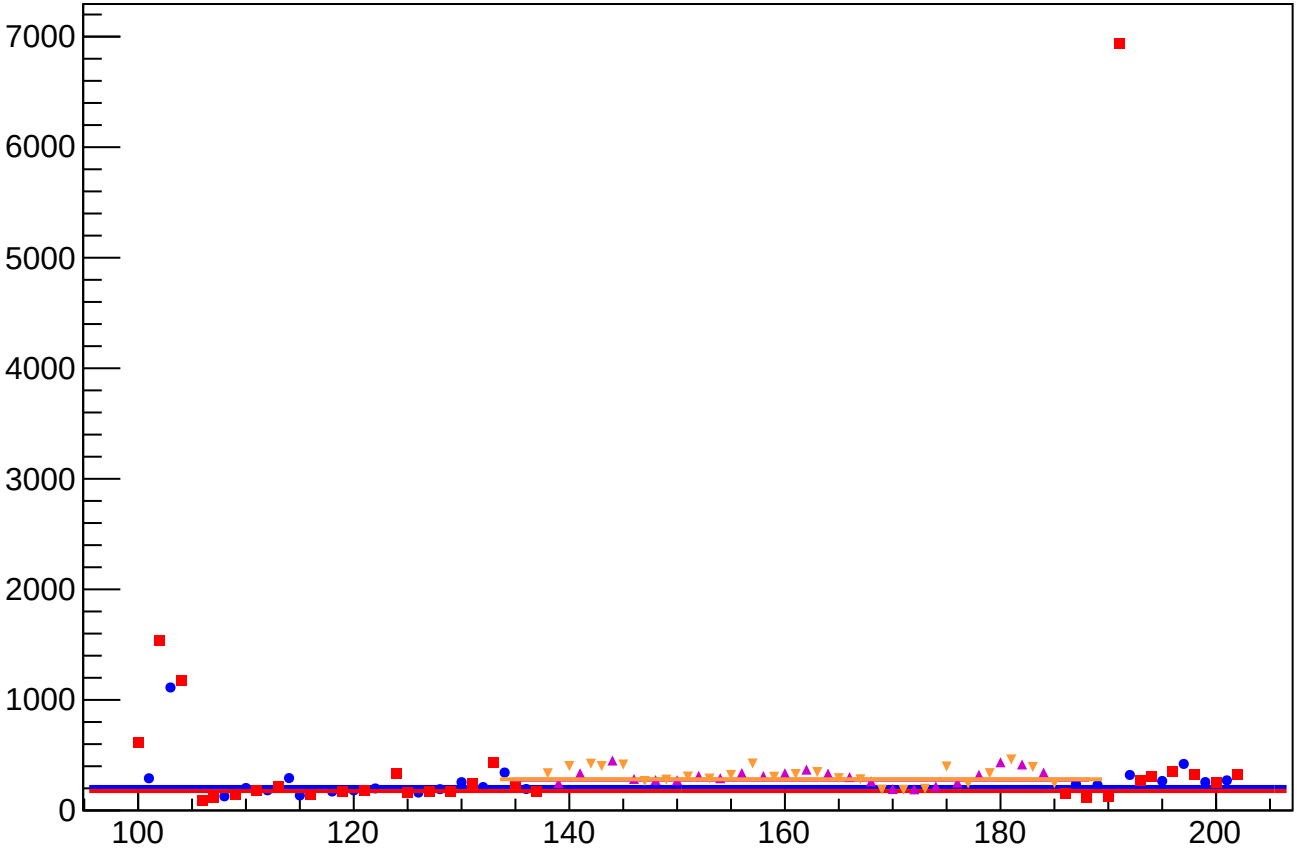
Right: -0.021+/-0.042 χ^2/NDF: 63.6/51

In: -0.094+/-0.048 χ^2/NDF:49.0/45

Out: 0.017+/-0.042 χ^2/NDF:69.8/53

All: -0.032+/-0.032 χ^2/NDF: 121.8/99

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 212.501+/-0.047 χ^2/NDF: 2415802.6/22

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.449+/-0.038 χ^2/NDF: 5178035.0/28

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

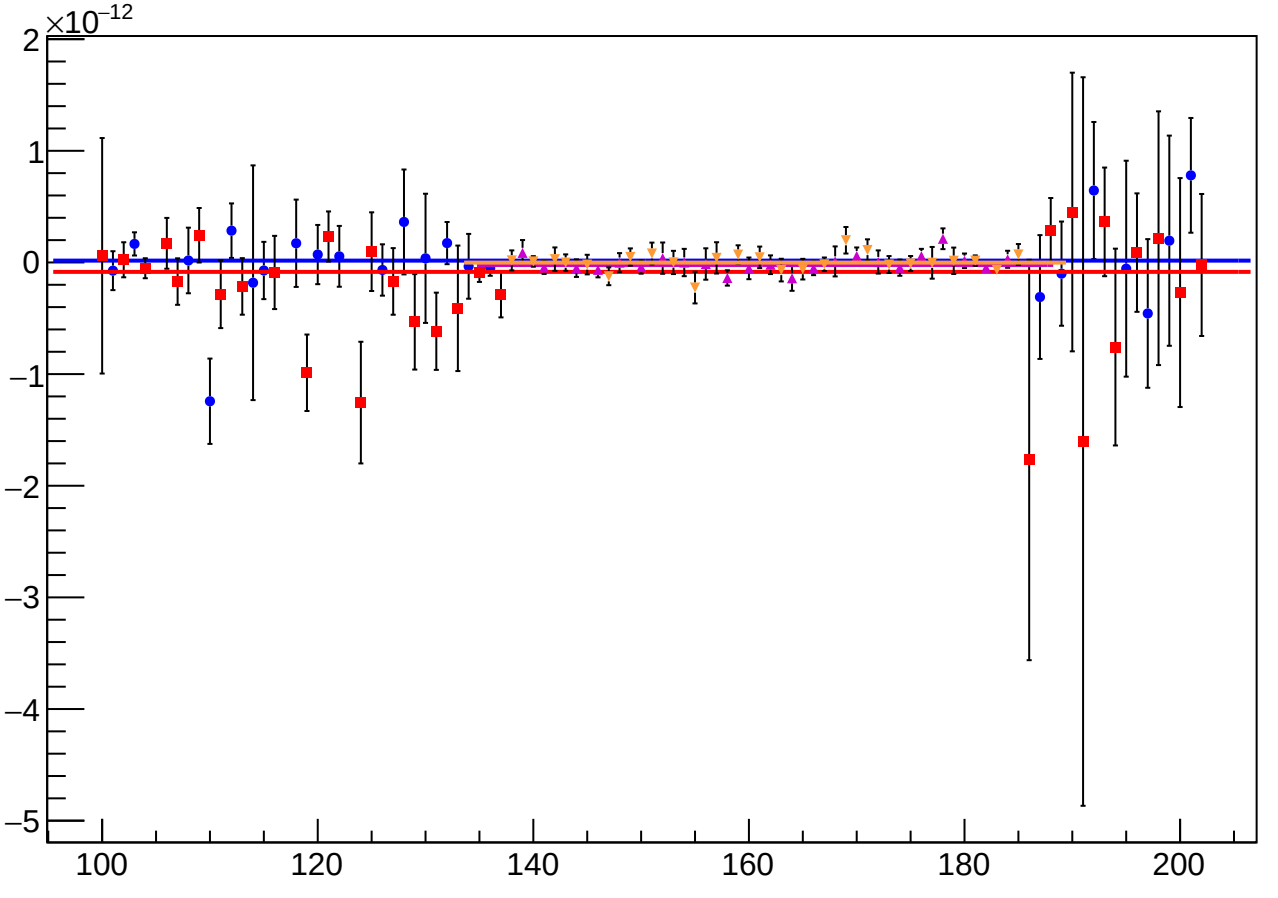
Right: 190.149+/-0.029 χ^2/NDF: 7973427.8/51

In: 244.213+/-0.034 χ^2/NDF:5173563.4/45

Out: 216.150+/-0.030 χ^2/NDF:10716140.0/53

All: 228.470+/-0.022 χ^2/NDF: 16279979.2/99

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/28

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

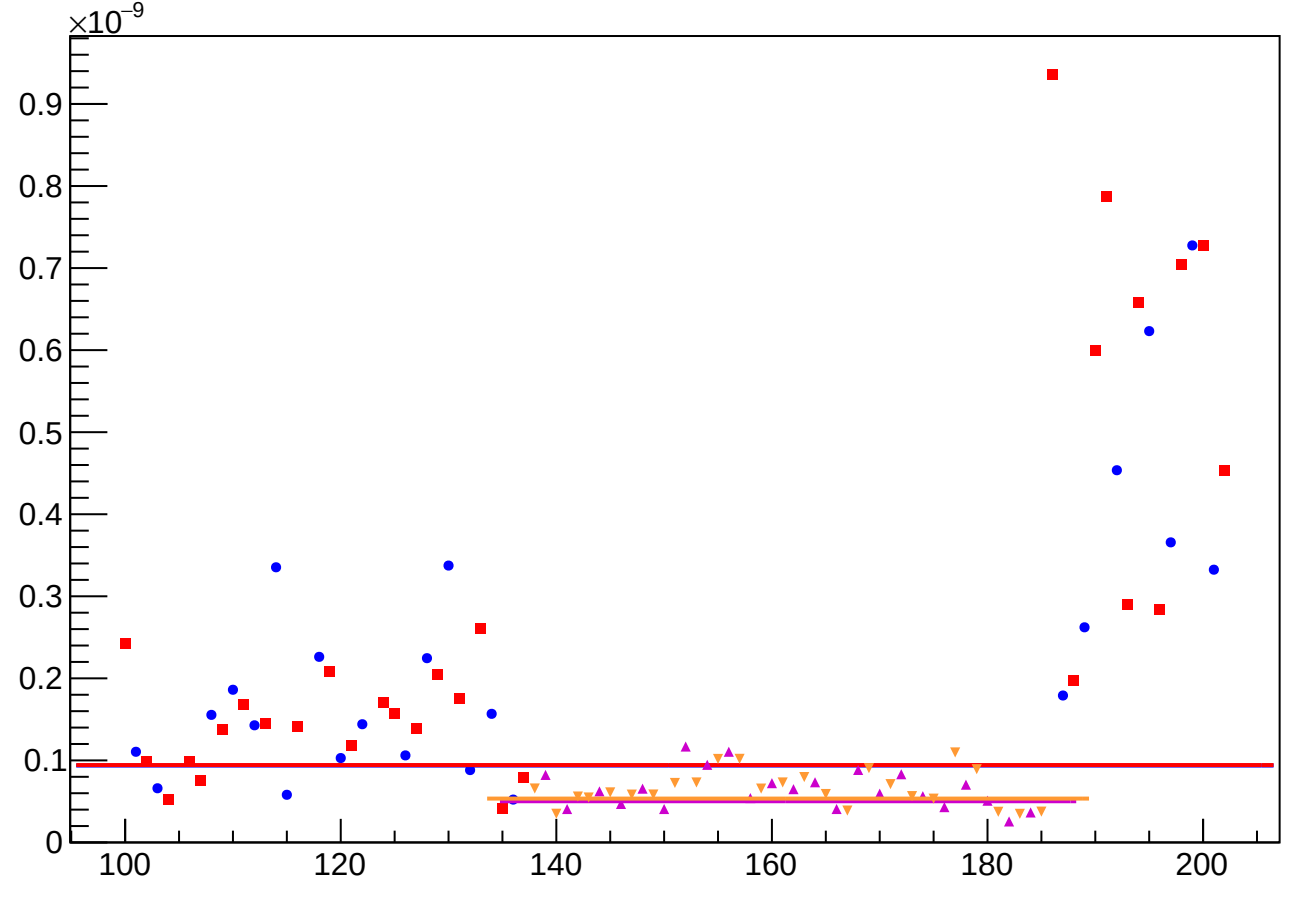
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 51.7/51

In: -0.000+/-0.000 χ^2/NDF:38.8/45

Out: -0.000+/-0.000 χ^2/NDF:46.3/53

All: -0.000+/-0.000 χ^2/NDF: 85.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 5472238.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6900627.7/28

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

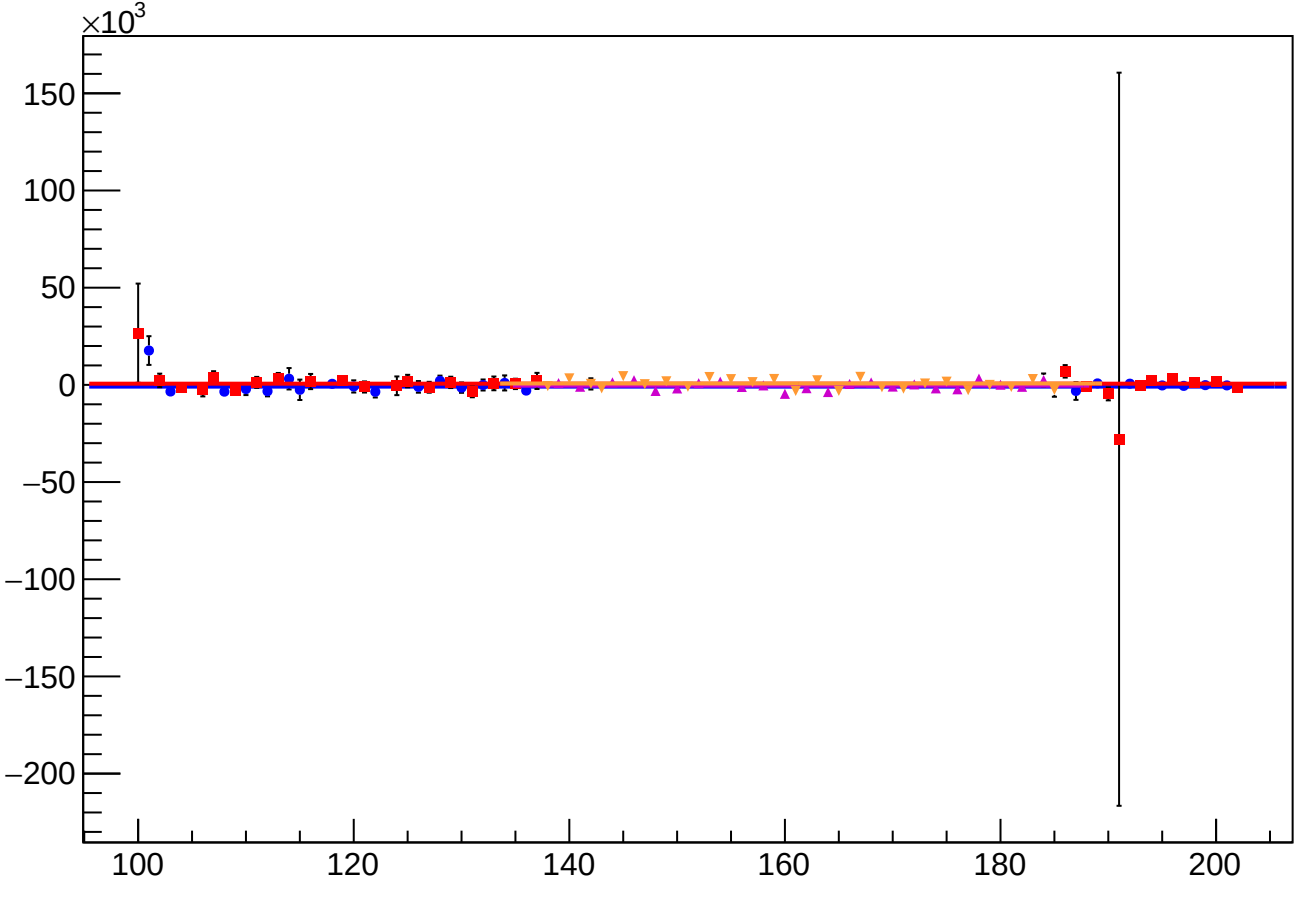
Right: 0.000+/-0.000 χ^2/NDF: 12373036.3/51

In: 0.000+/-0.000 χ^2/NDF:10534883.1/45

Out: 0.000+/-0.000 χ^2/NDF:11236493.4/53

All: 0.000+/-0.000 χ^2/NDF: 21822353.9/99

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -900.829+/-555.530 χ^2/NDF: 15.6/22

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 608.535+/-514.646 χ^2/NDF: 20.7/28

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

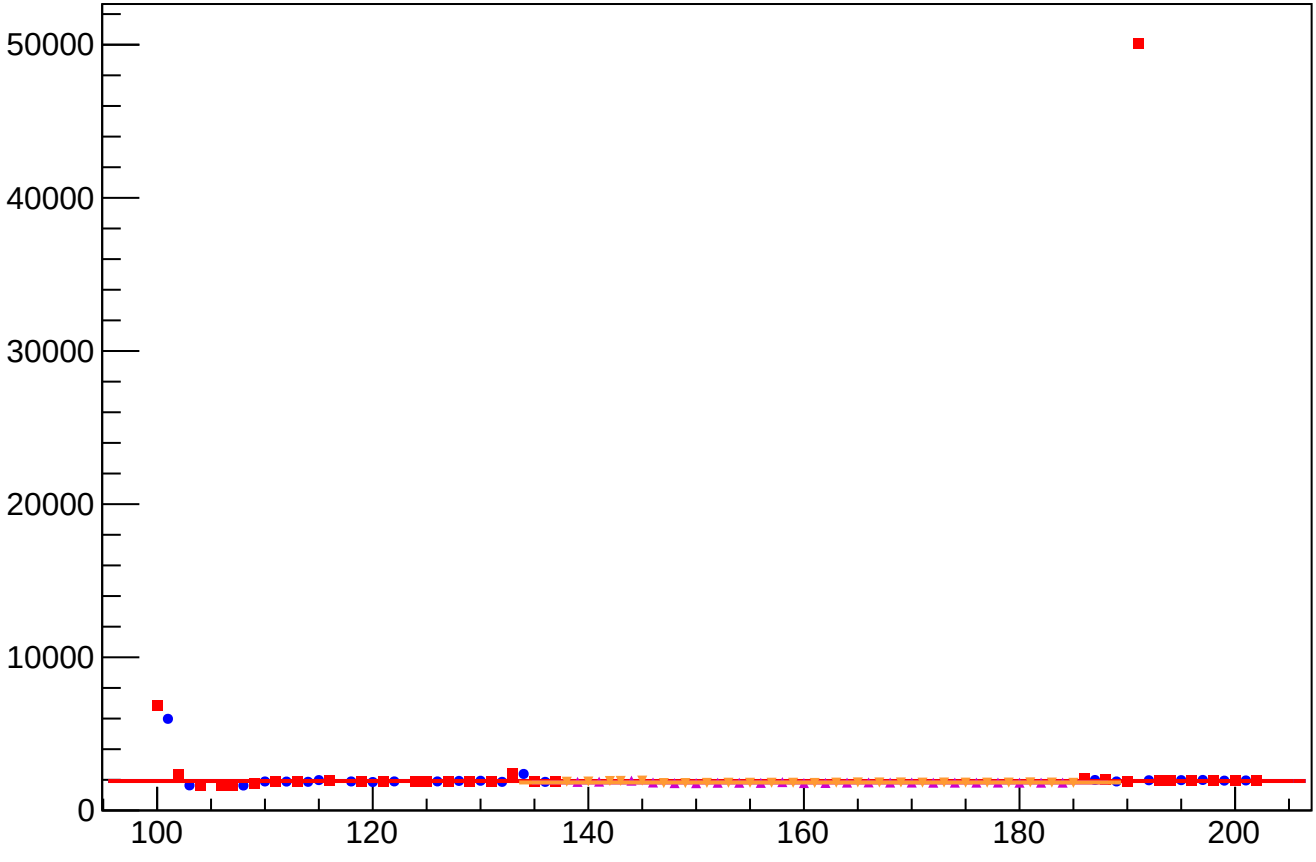
Right: -88.568+/-377.537 χ^2/NDF: 40.3/51

In: -587.549+/-338.156 χ^2/NDF:36.9/45

Out: 667.397+/-323.234 χ^2/NDF:52.6/53

All: 68.224+/-233.658 χ^2/NDF: 96.7/99

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1924.663+/-0.393 χ^2/NDF: 705854.3/22

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1921.710+/-0.363 χ^2/NDF: 374214.2/28

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

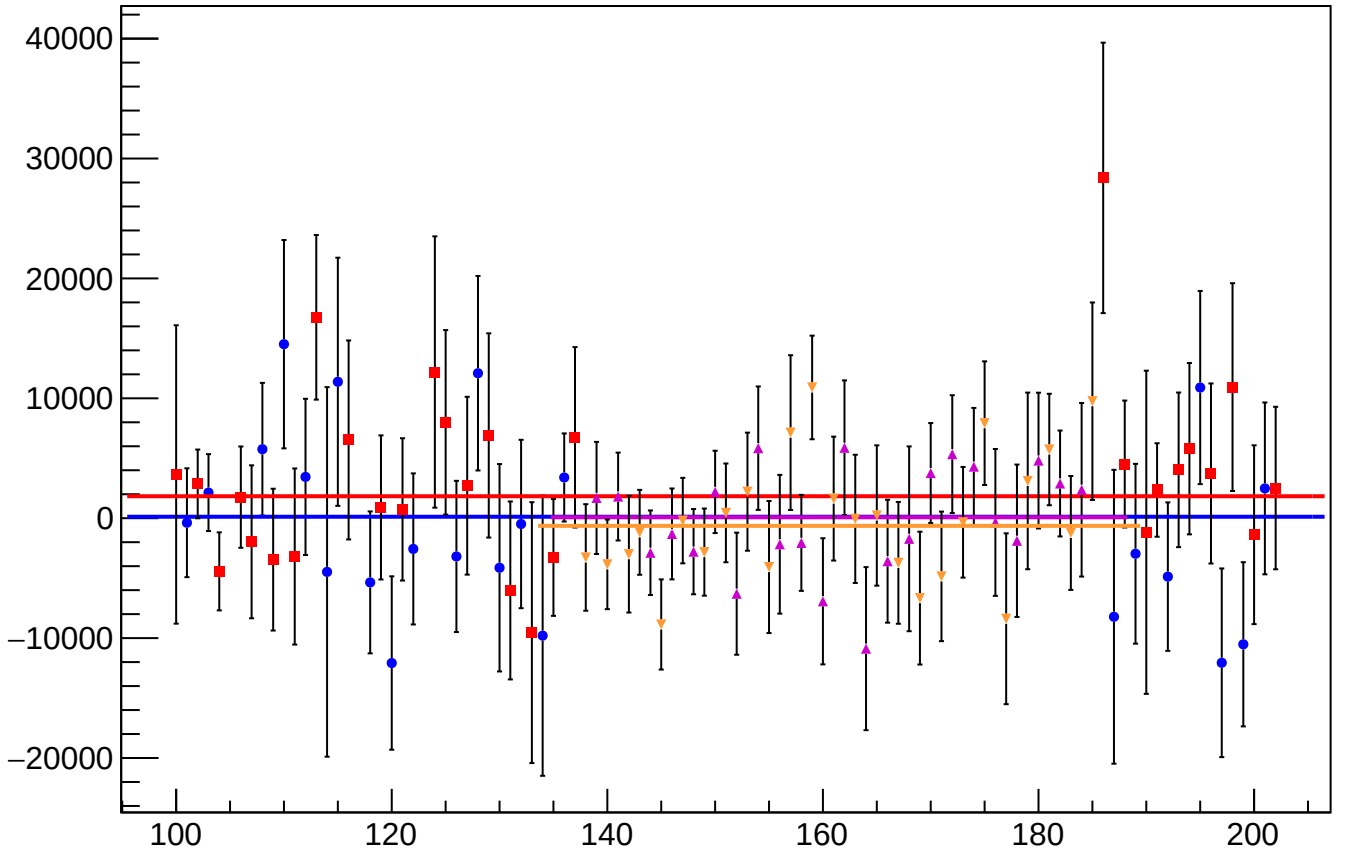
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

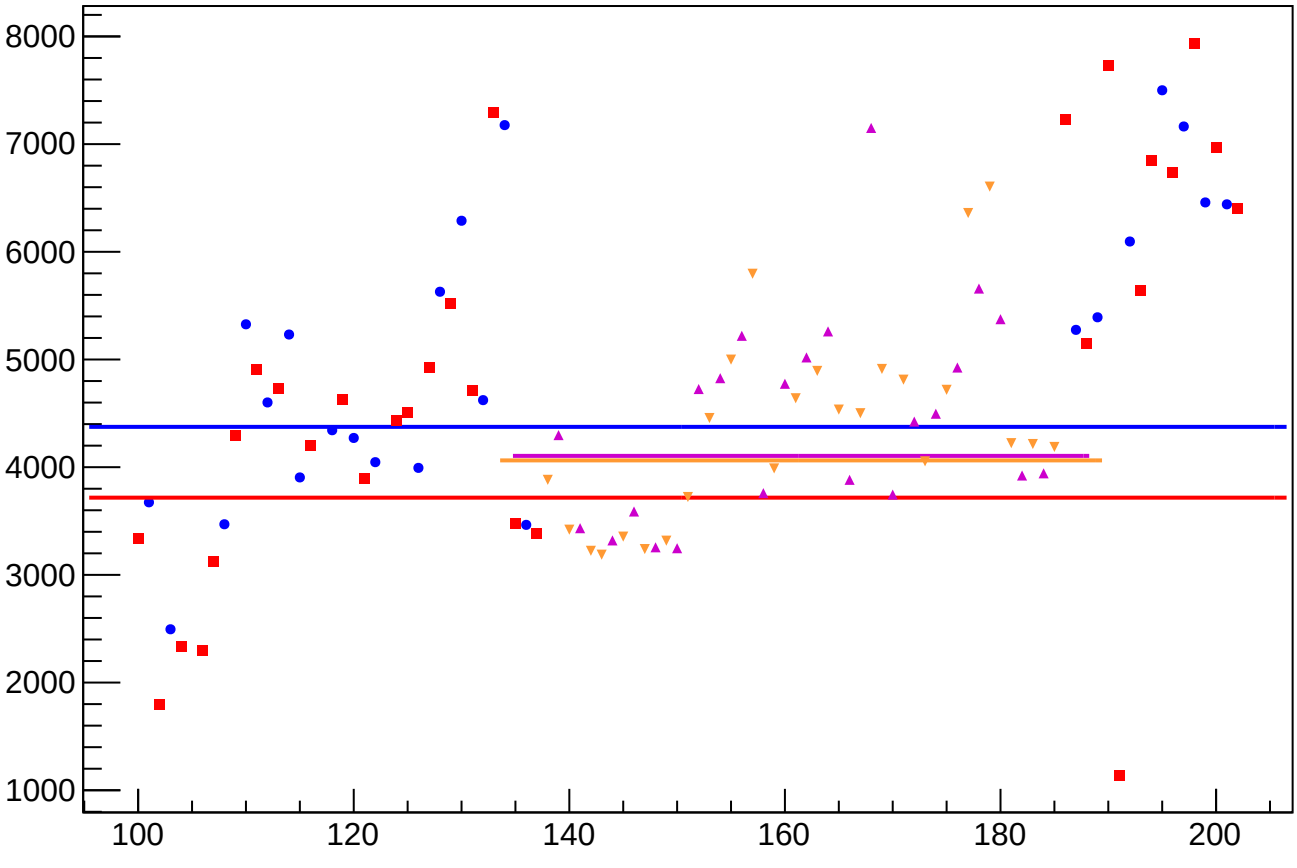
Right: 1923.071+/-0.267 χ^2/NDF: 1080098.9/51

In: 1862.031+/-0.239 χ^2/NDF:759599.7/45

Out: 1865.194+/-0.228 χ^2/NDF:433576.6/53

All: 1863.685+/-0.165 χ^2/NDF: 1193267.8/99


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 122.853+/-1313.190 χ²/NDF: 21.8/22
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: 1832.430+/-1108.062 χ²/NDF: 23.8/28
Left In: 75.764+/-980.243 χ²/NDF:15.4/22
Left: -293.323+/-681.030 χ²/NDF: 41.7/47
Right: 1121.444+/-846.864 χ²/NDF: 46.6/51
In: 92.614+/-785.527 χ²/NDF:37.3/45
Out: 404.782+/-719.845 χ²/NDF:52.7/53
All: 262.293+/-530.711 χ²/NDF: 90.0/99



Right In: 4374.468+/-0.929 χ^2/NDF: 2329876.8/22

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3717.099+/-0.784 χ^2/NDF: 5549273.6/28

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

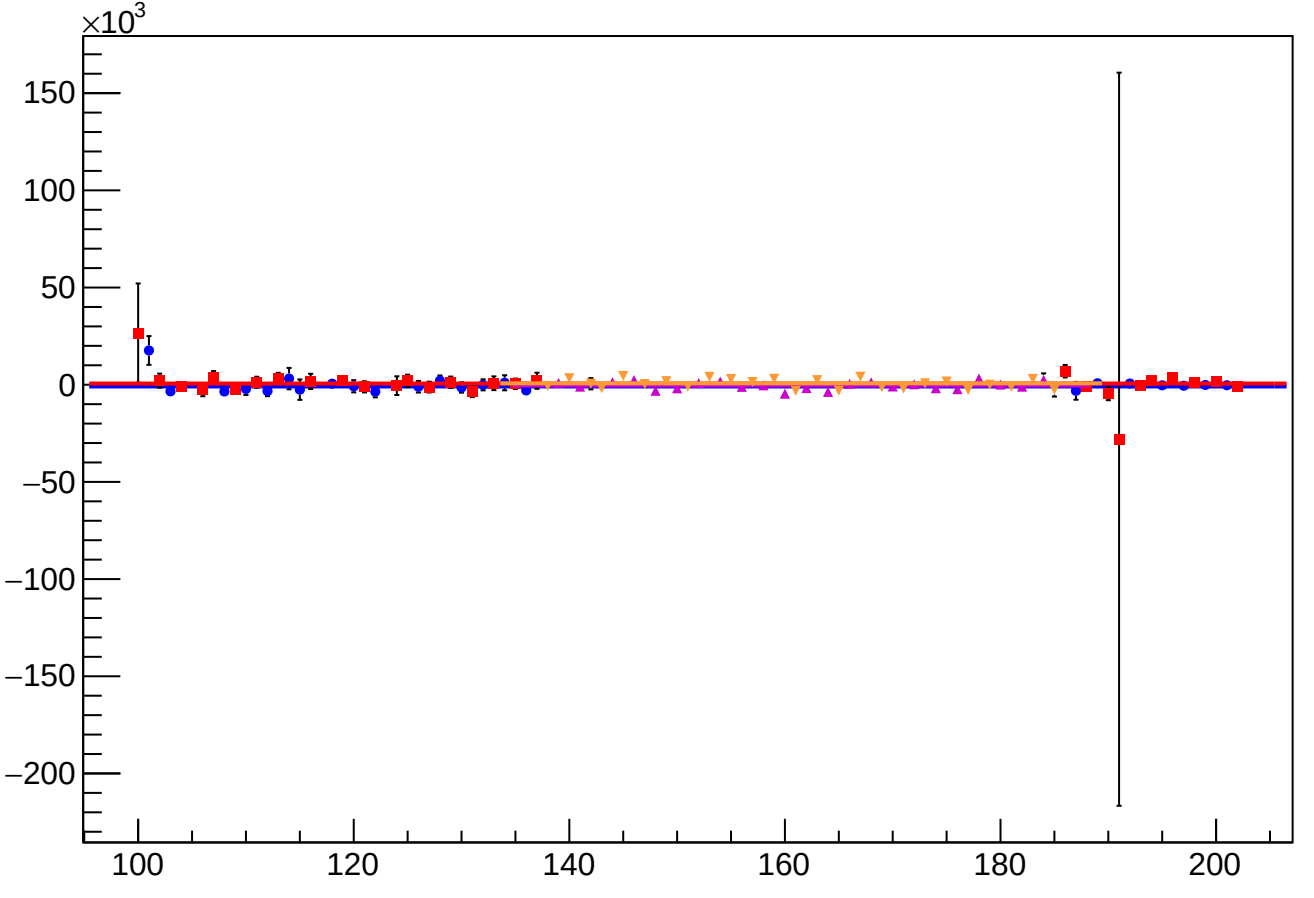
Right: 3990.488+/-0.599 χ^2/NDF: 8171897.6/51

In: 4201.458+/-0.555 χ^2/NDF:3743427.7/45

Out: 3917.080+/-0.509 χ^2/NDF:7067024.2/53

All: 4046.885+/-0.375 χ^2/NDF: 10952927.7/9

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -901.076+/-555.530 χ^2/NDF: 15.6/22

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 603.298+/-515.018 χ^2/NDF: 20.6/28

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

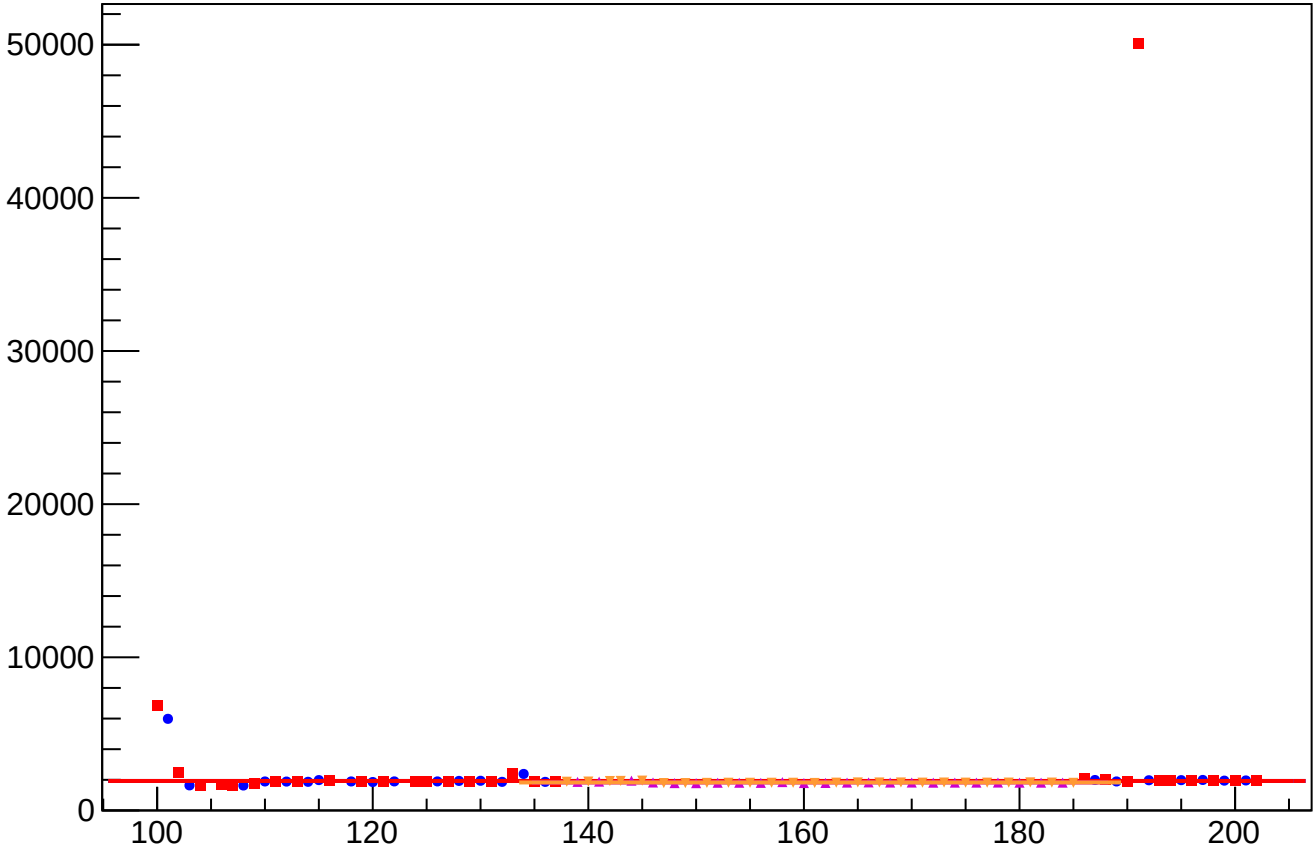
Right: -92.041+/-377.684 χ^2/NDF: 40.2/51

In: -587.538+/-338.156 χ^2/NDF:36.9/45

Out: 665.402+/-323.326 χ^2/NDF:52.6/53

All: 67.009+/-233.693 χ^2/NDF: 96.6/99

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1924.663+/-0.393 χ^2/NDF: 705854.5/22

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1925.497+/-0.364 χ^2/NDF: 380540.4/28

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

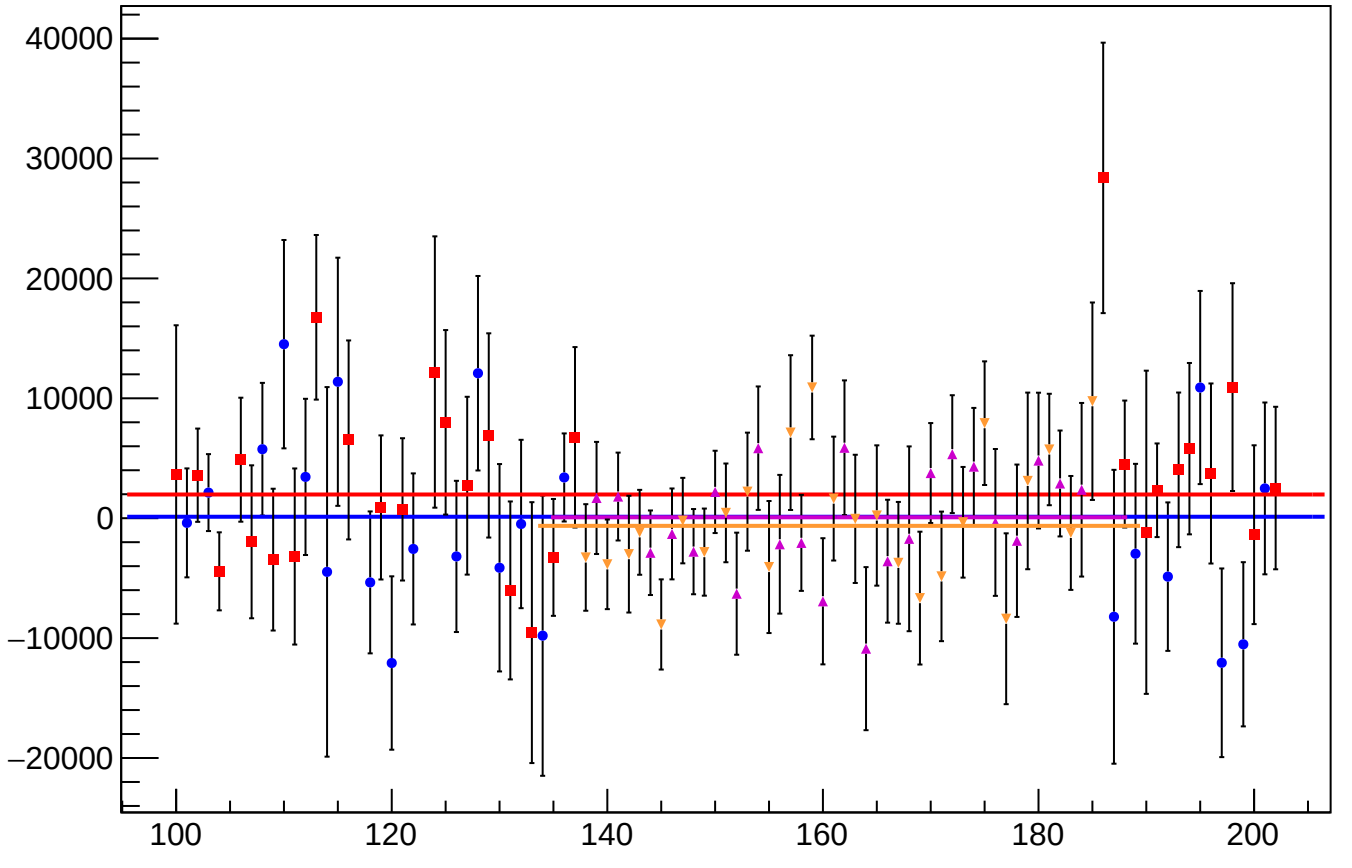
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1925.112+/-0.267 χ^2/NDF: 1086397.3/51

In: 1862.031+/-0.239 χ^2/NDF:759599.8/45

Out: 1866.612+/-0.229 χ^2/NDF:443123.5/53

All: 1864.425+/-0.165 χ^2/NDF: 1202915.1/99



Right In: 121.728+/-1313.311 χ^2/NDF: 21.8/22

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1977.922+/-1162.478 χ^2/NDF: 24.2/28

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

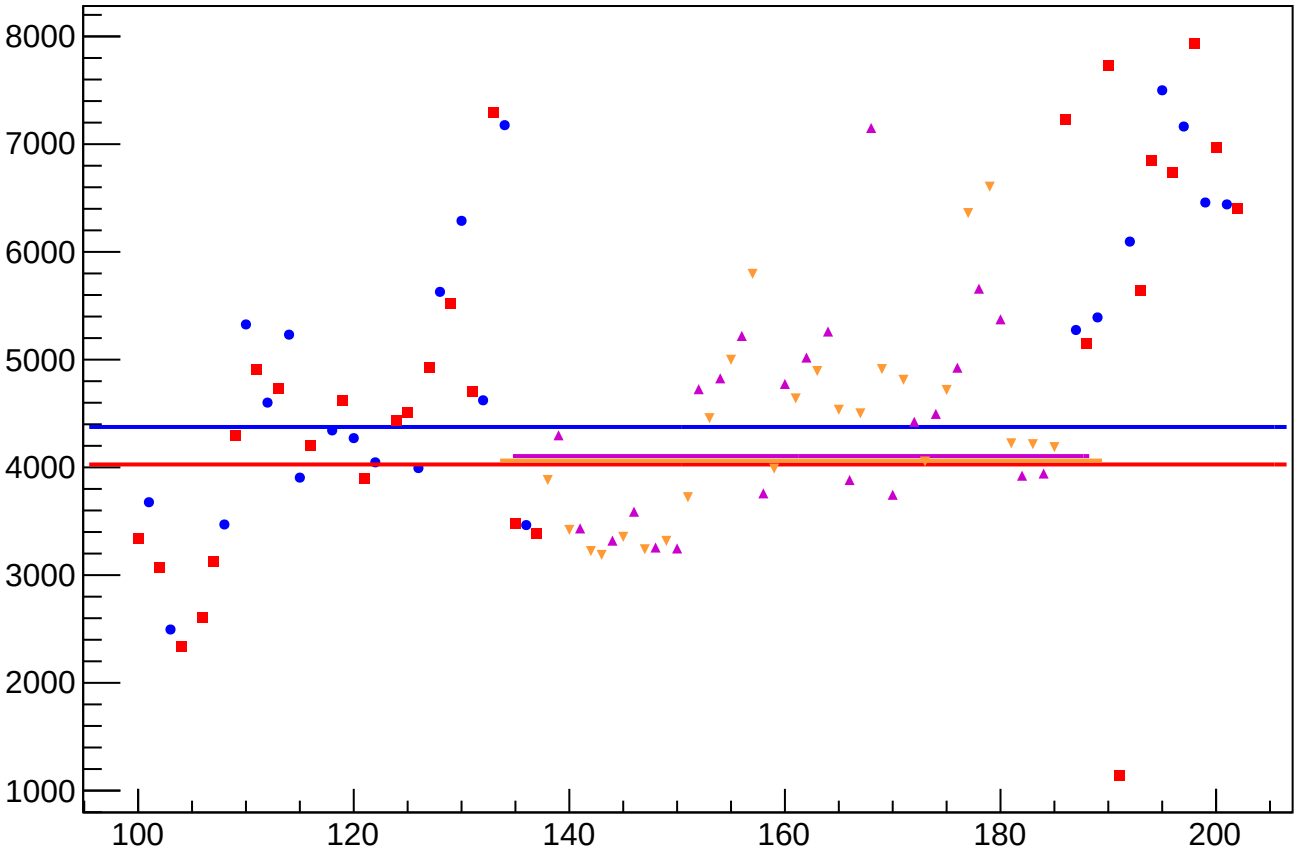
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1162.492+/-870.461 χ^2/NDF: 47.2/51

In: 92.225+/-785.552 χ^2/NDF:37.3/45

Out: 405.501+/-734.148 χ^2/NDF:53.2/53

All: 259.448+/-536.374 χ^2/NDF: 90.6/99



Right In: 4374.982+/-0.929 χ^2/NDF: 2328828.8/22

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4027.024+/-0.822 χ^2/NDF: 4428015.0/28

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

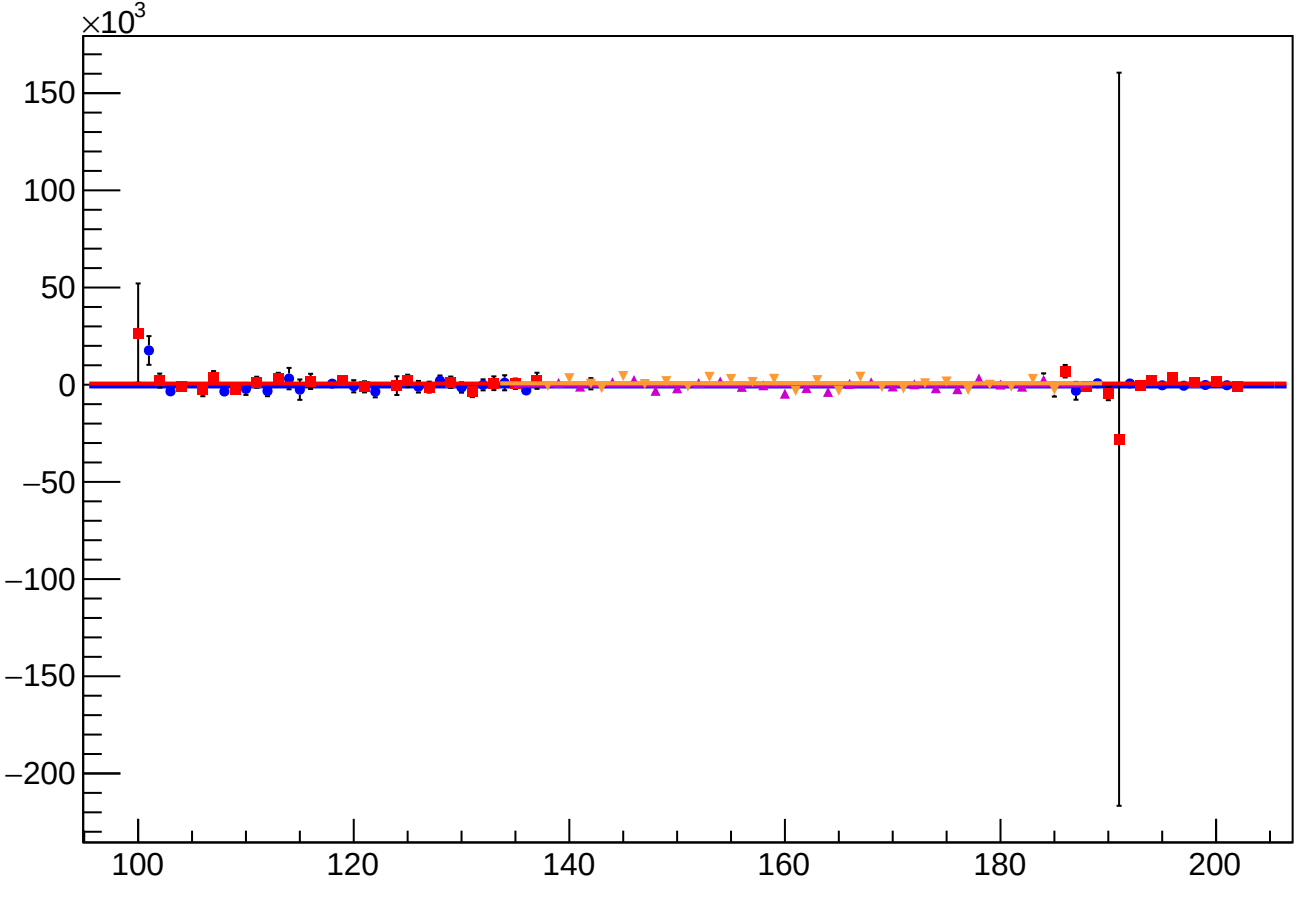
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4179.883+/-0.616 χ^2/NDF: 6835562.4/51

In: 4201.626+/-0.555 χ^2/NDF:3742591.8/45

Out: 4048.715+/-0.519 χ^2/NDF:5834203.8/53

All: 4120.004+/-0.379 χ^2/NDF: 9617246.1/99



Right In: -901.076+/-555.530 χ^2/NDF: 15.6/22

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 603.298+/-515.018 χ^2/NDF: 20.6/28

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

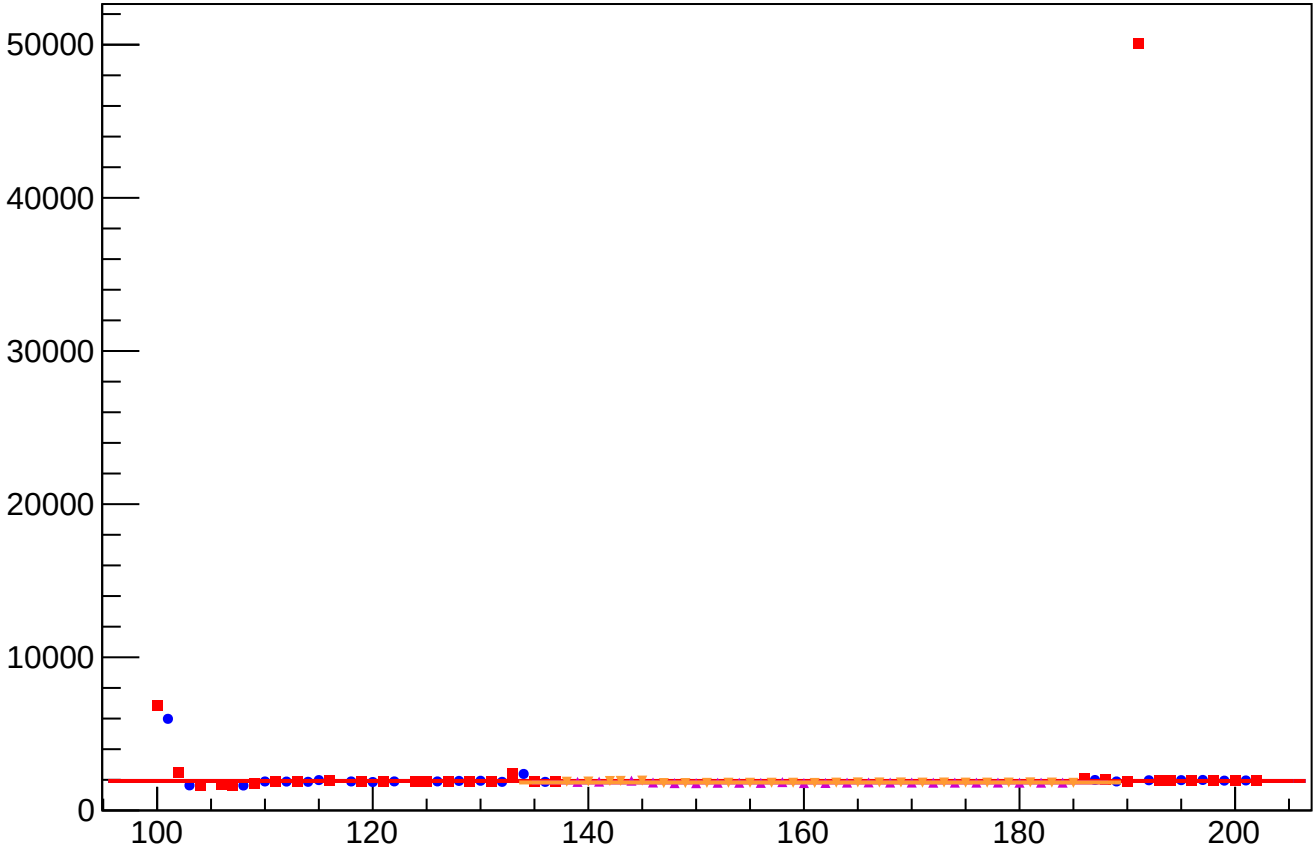
Right: -92.041+/-377.684 χ^2/NDF: 40.2/51

In: -587.538+/-338.156 χ^2/NDF:36.9/45

Out: 665.402+/-323.326 χ^2/NDF:52.6/53

All: 67.009+/-233.693 χ^2/NDF: 96.6/99

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1924.663+/-0.393 χ^2/NDF: 705854.5/22

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1925.497+/-0.364 χ^2/NDF: 380540.4/28

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

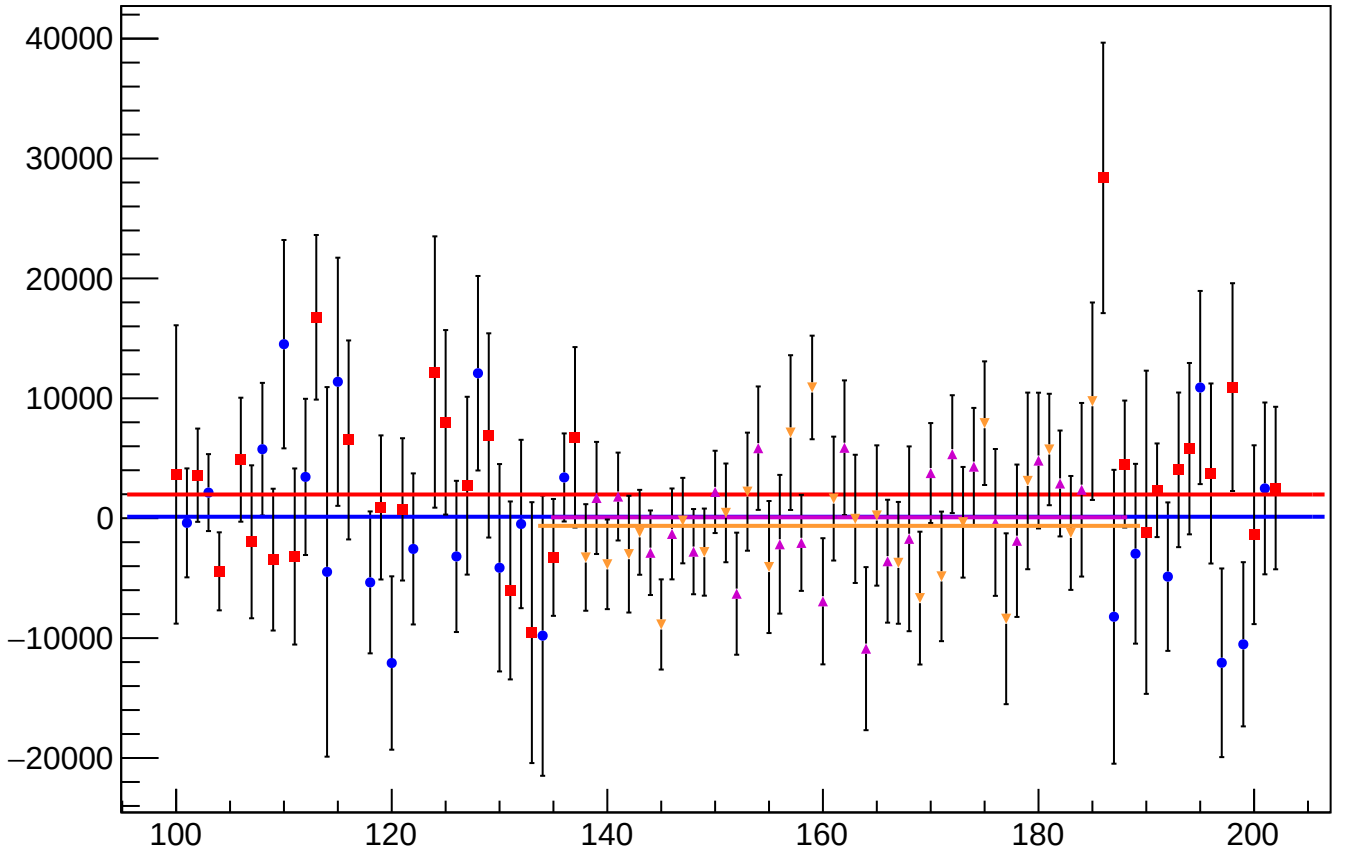
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1925.112+/-0.267 χ^2/NDF: 1086397.3/51

In: 1862.031+/-0.239 χ^2/NDF:759599.8/45

Out: 1866.612+/-0.229 χ^2/NDF:443123.5/53

All: 1864.425+/-0.165 χ^2/NDF: 1202915.1/99



Right In: 121.728+/-1313.311 χ^2/NDF: 21.8/22

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1977.922+/-1162.478 χ^2/NDF: 24.2/28

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

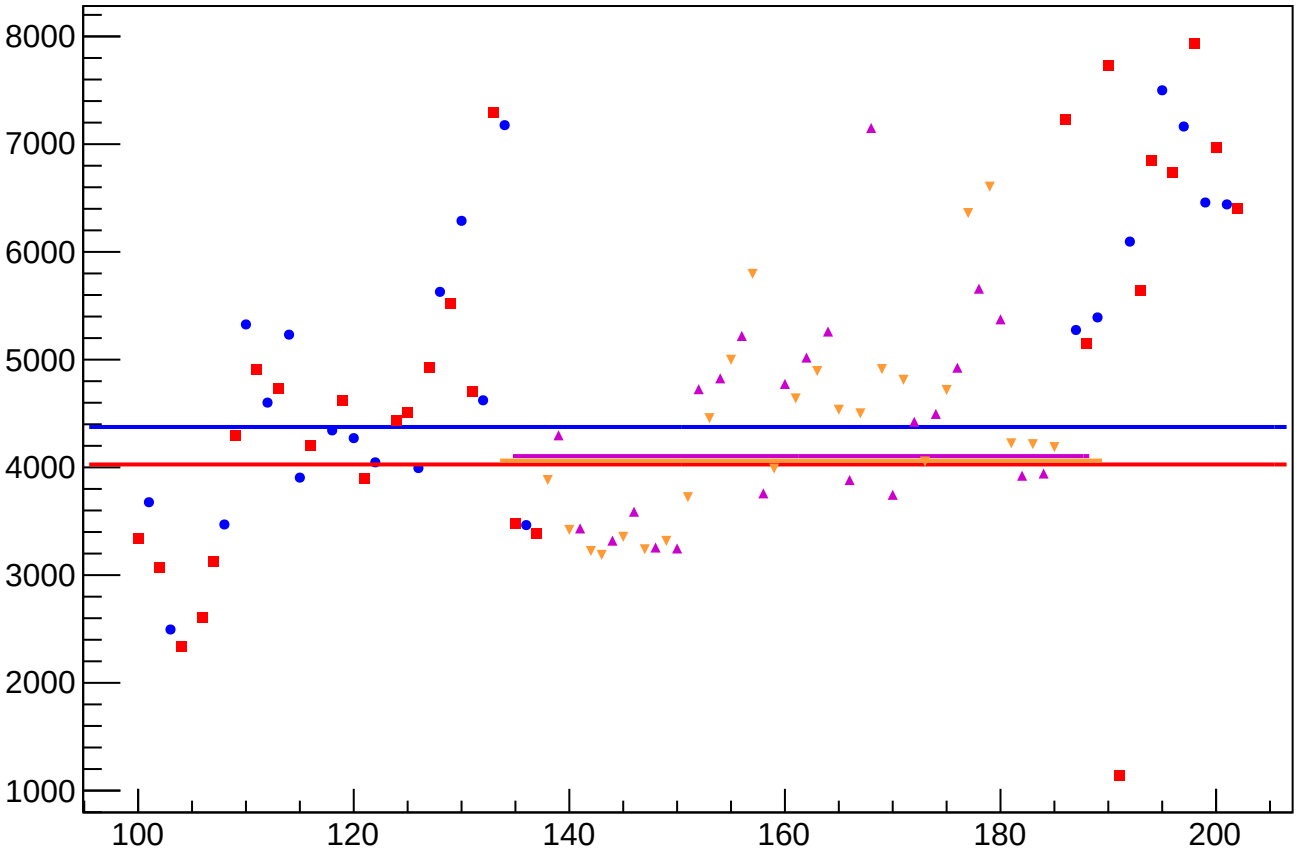
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1162.492+/-870.461 χ^2/NDF: 47.2/51

In: 92.225+/-785.552 χ^2/NDF:37.3/45

Out: 405.501+/-734.148 χ^2/NDF:53.2/53

All: 259.448+/-536.374 χ^2/NDF: 90.6/99



Right In: 4374.982+/-0.929 χ^2/NDF: 2328828.8/22

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4027.024+/-0.822 χ^2/NDF: 4428015.0/28

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

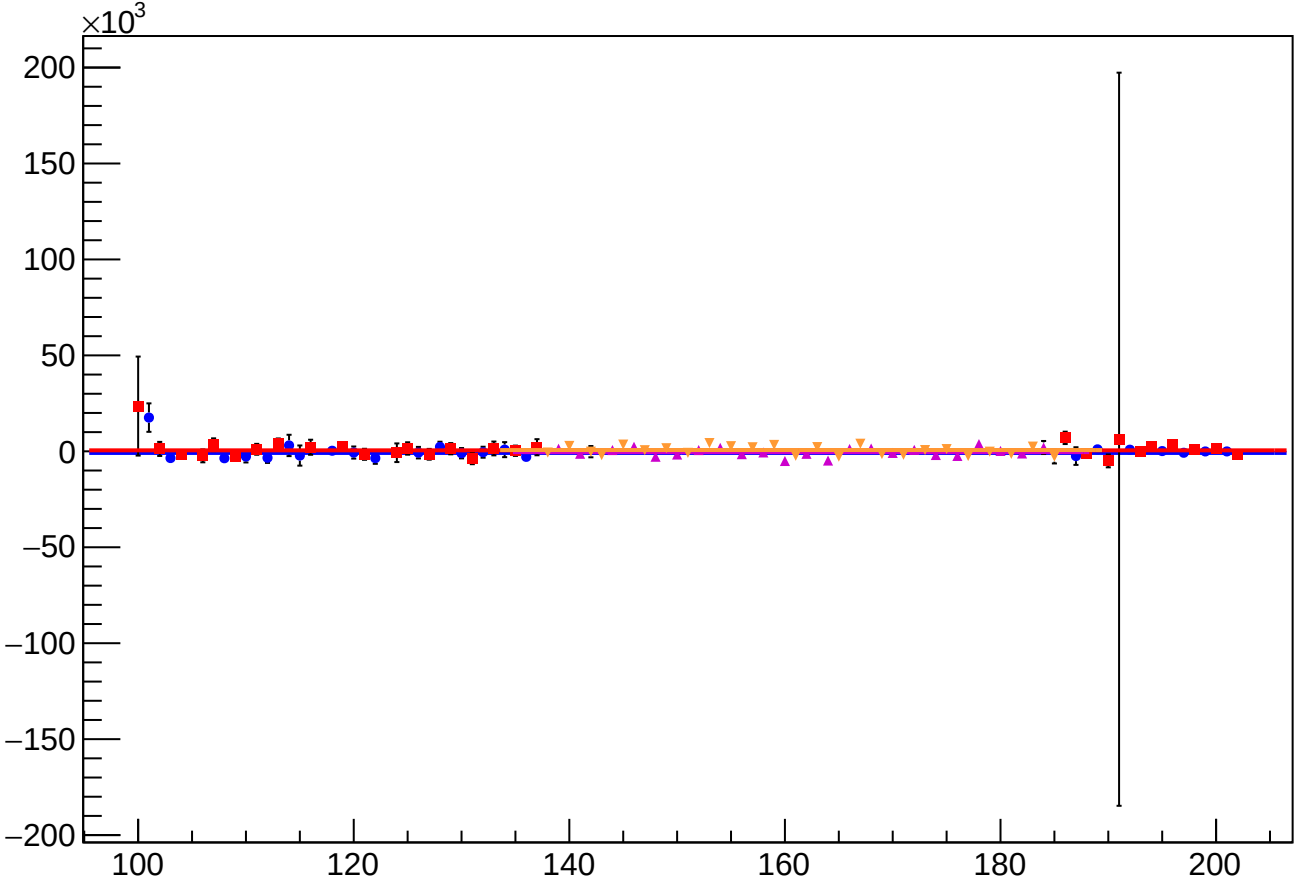
Right: 4179.883+/-0.616 χ^2/NDF: 6835562.4/51

In: 4201.626+/-0.555 χ^2/NDF:3742591.8/45

Out: 4048.715+/-0.519 χ^2/NDF:5834203.8/53

All: 4120.004+/-0.379 χ^2/NDF: 9617246.1/99

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -836.322+/-560.656 χ^2/NDF: 16.1/22

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 512.043+/-520.269 χ^2/NDF: 22.5/28

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

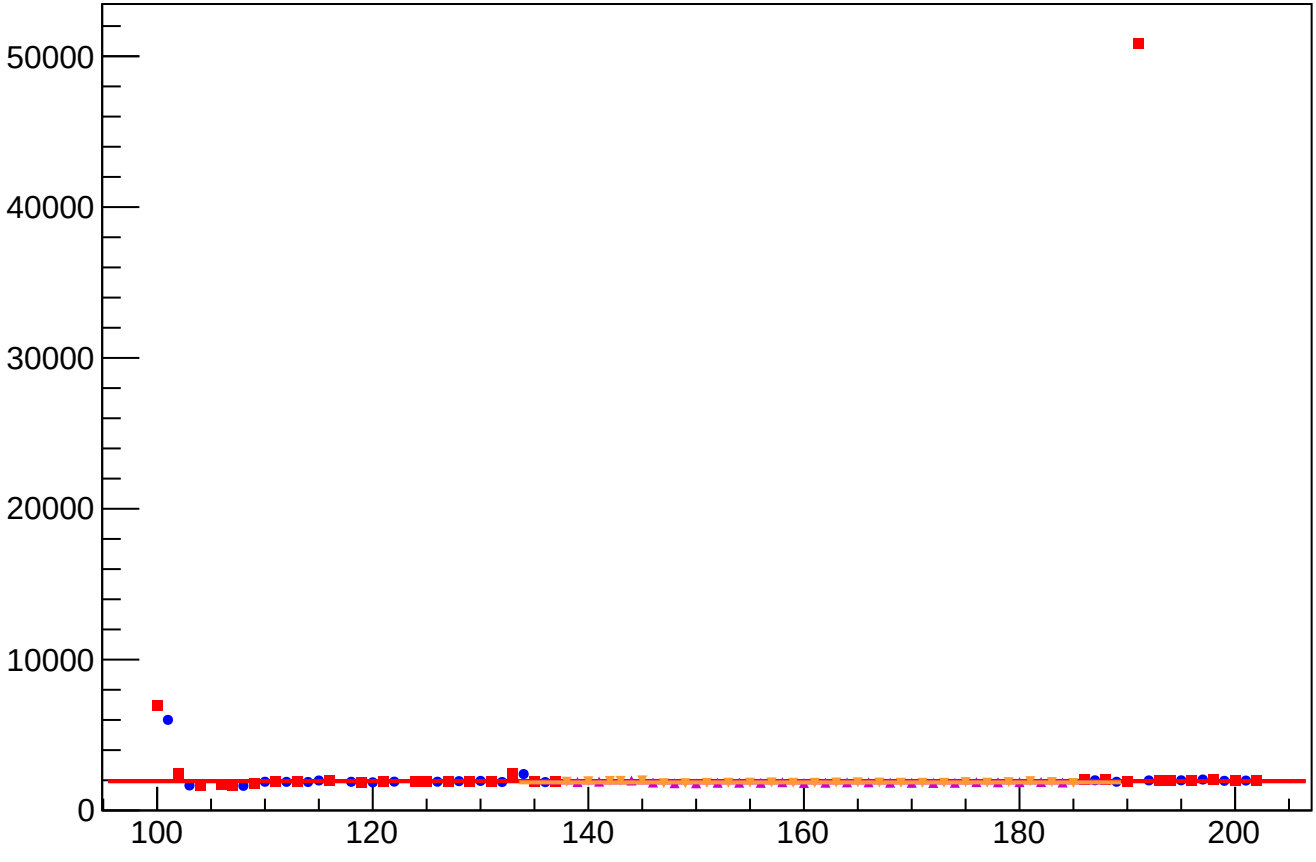
Right: -111.829+/-381.365 χ^2/NDF: 41.7/51

In: -570.218+/-343.120 χ^2/NDF:40.1/45

Out: 599.673+/-328.239 χ^2/NDF:49.6/53

All: 40.646+/-237.186 χ^2/NDF: 95.8/99

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1942.233+/-0.396 χ^2/NDF: 708481.8/22

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1944.758+/-0.368 χ^2/NDF: 389186.4/28

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

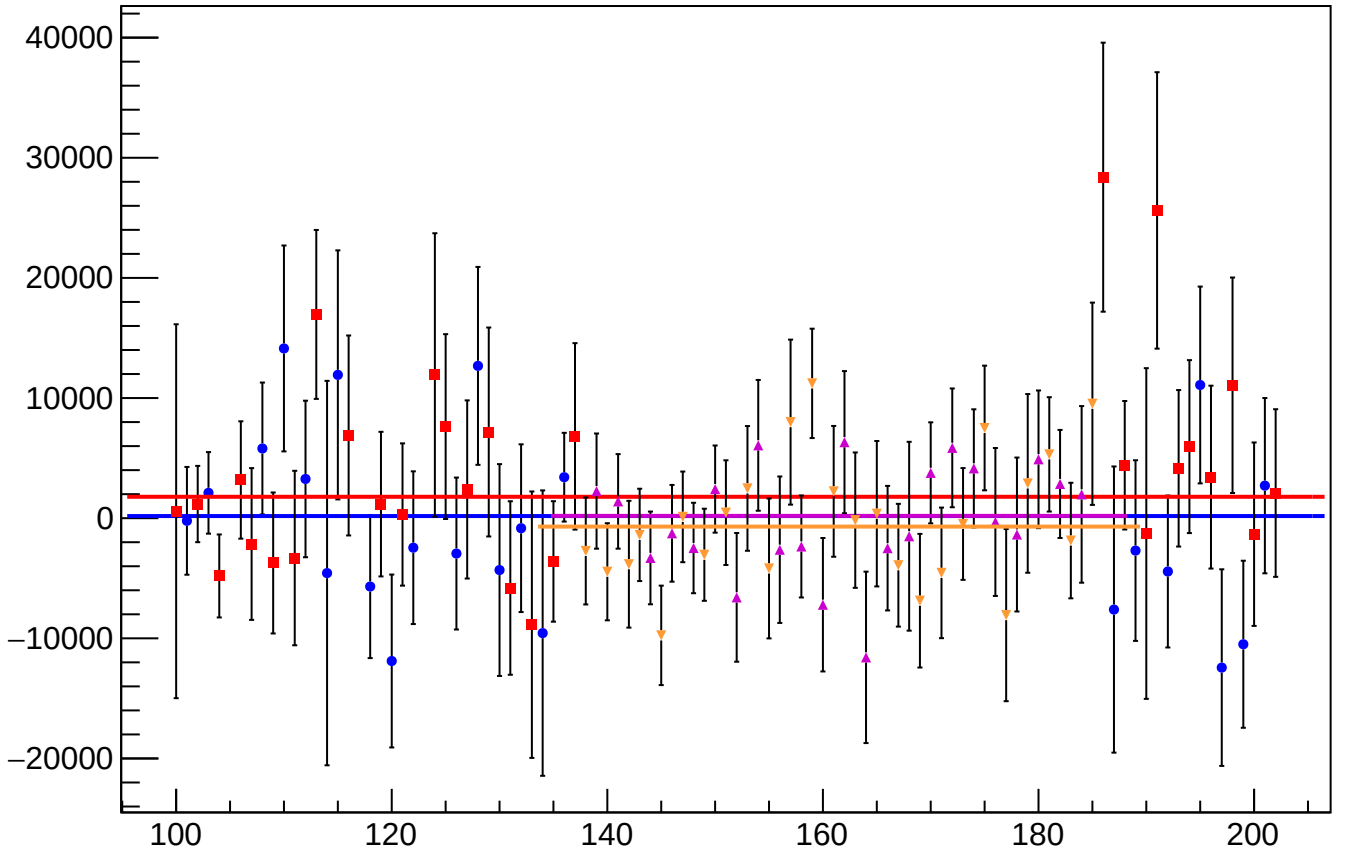
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1943.591+/-0.270 χ^2/NDF: 1097690.0/51

In: 1889.336+/-0.243 χ^2/NDF:753326.5/45

Out: 1894.802+/-0.232 χ^2/NDF:445883.6/53

All: 1892.191+/-0.168 χ^2/NDF: 1199475.2/99



Right In: 177.789+/-1330.496 χ^2/NDF: 21.6/22

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1781.728+/-1196.747 χ^2/NDF: 27.9/28

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

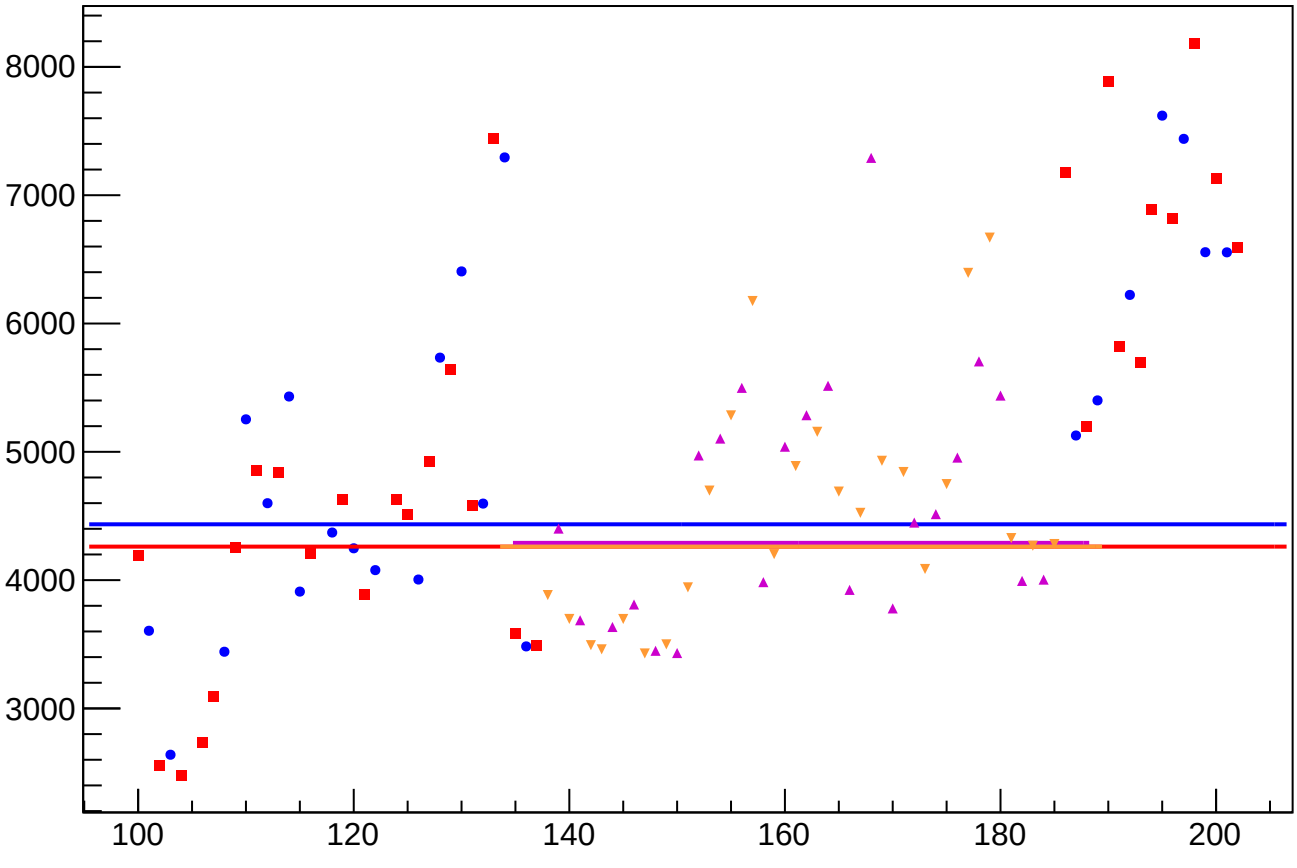
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1064.406+/-889.768 χ^2/NDF: 50.3/51

In: 187.029+/-810.725 χ^2/NDF:36.8/45

Out: 309.365+/-762.835 χ^2/NDF:55.8/53

All: 251.917+/-555.565 χ^2/NDF: 92.6/99



Right In: 4435.162+/-0.941 χ^2/NDF: 2269367.2/22

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4261.212+/-0.846 χ^2/NDF: 3563353.3/28

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

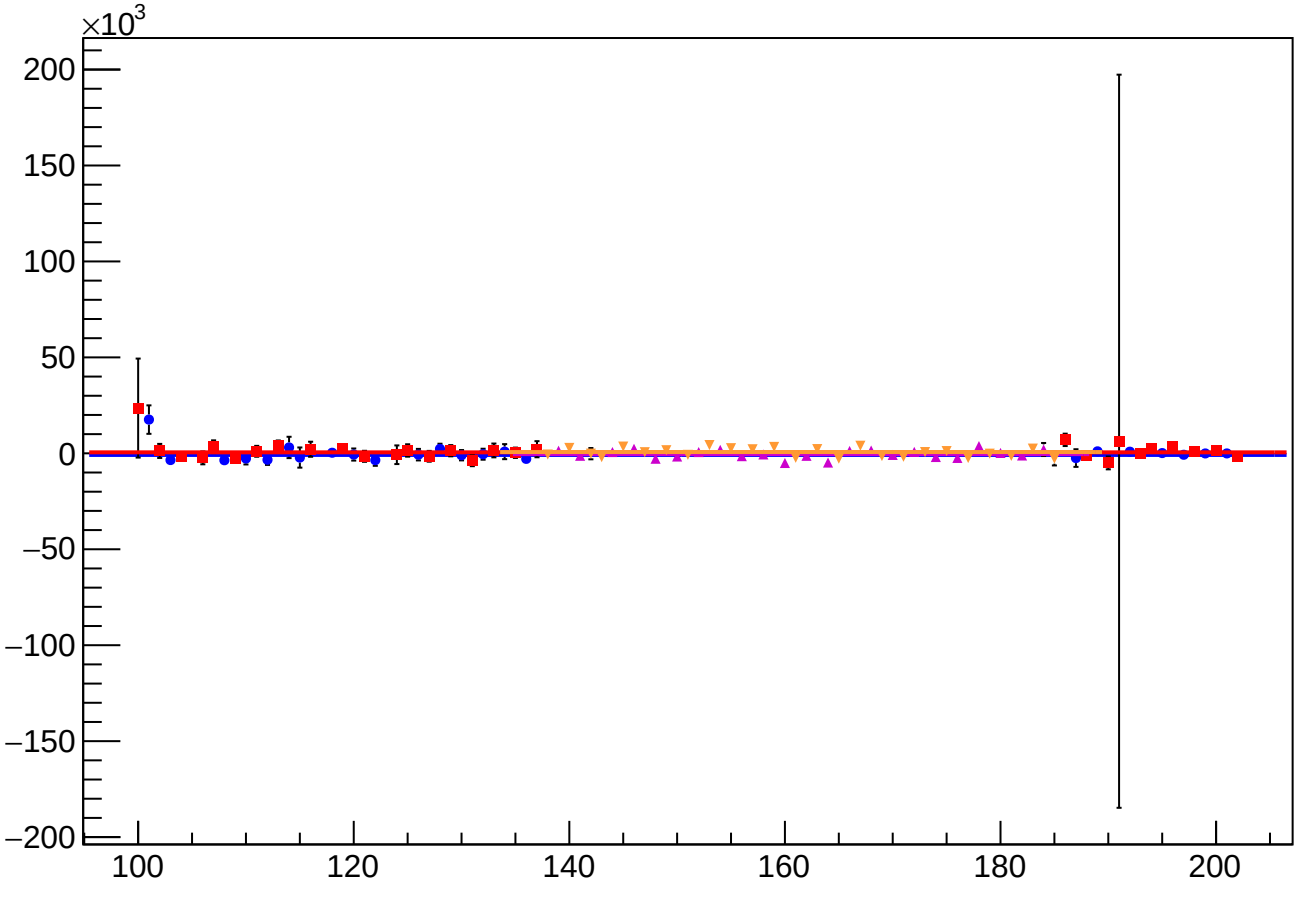
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4339.007+/-0.629 χ^2/NDF: 5851617.8/51

In: 4344.148+/-0.573 χ^2/NDF:3498217.7/45

Out: 4261.160+/-0.539 χ^2/NDF:4753914.7/53

All: 4300.131+/-0.393 χ^2/NDF: 8263247.8/99



Right In: -836.324+/-560.656 χ^2/NDF: 16.1/22

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 512.041+/-520.269 χ^2/NDF: 22.5/28

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

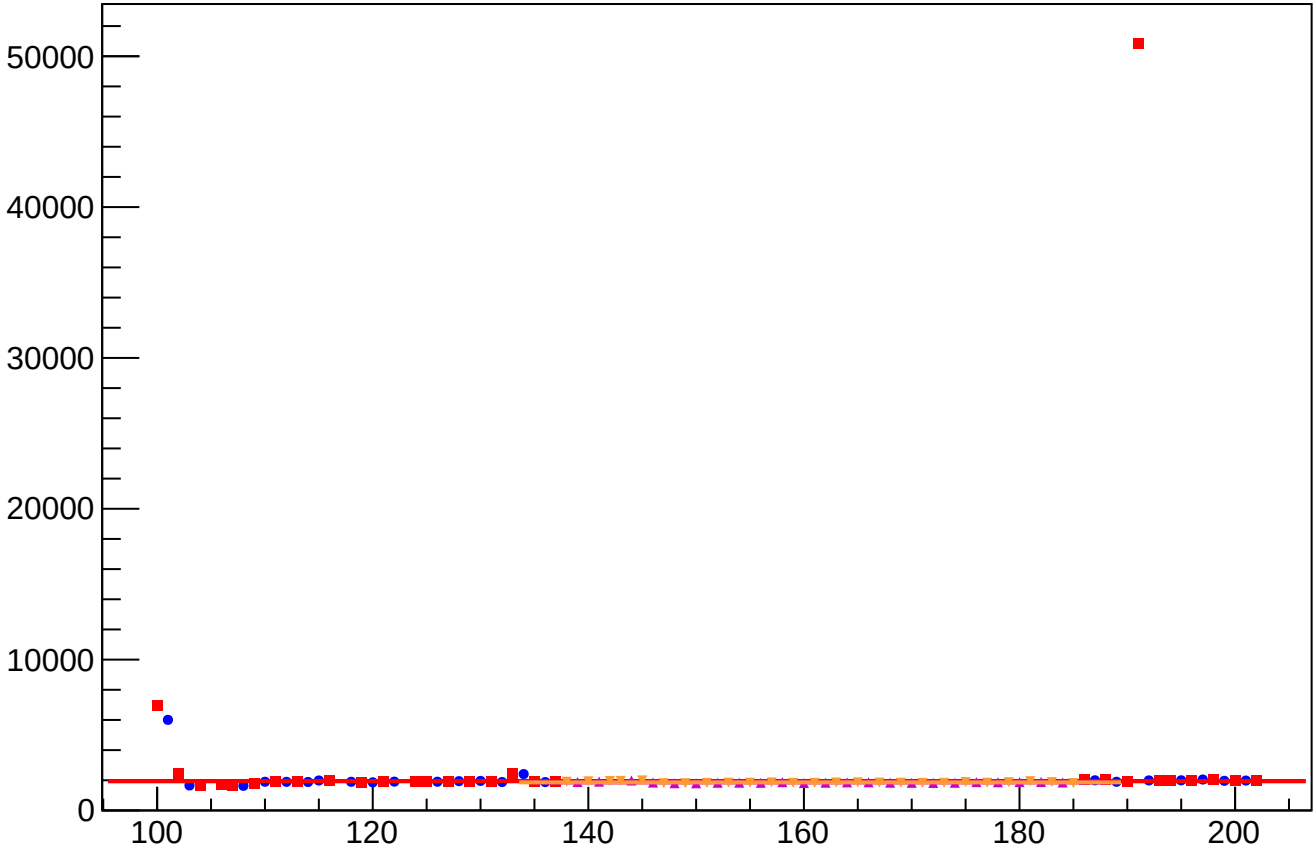
Right: -111.832+/-381.365 χ^2/NDF: 41.7/51

In: -570.219+/-343.120 χ^2/NDF:40.1/45

Out: 599.675+/-328.239 χ^2/NDF:49.6/53

All: 40.647+/-237.186 χ^2/NDF: 95.8/99

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1942.233+/-0.396 χ^2/NDF: 708481.7/22

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1944.759+/-0.368 χ^2/NDF: 389186.5/28

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

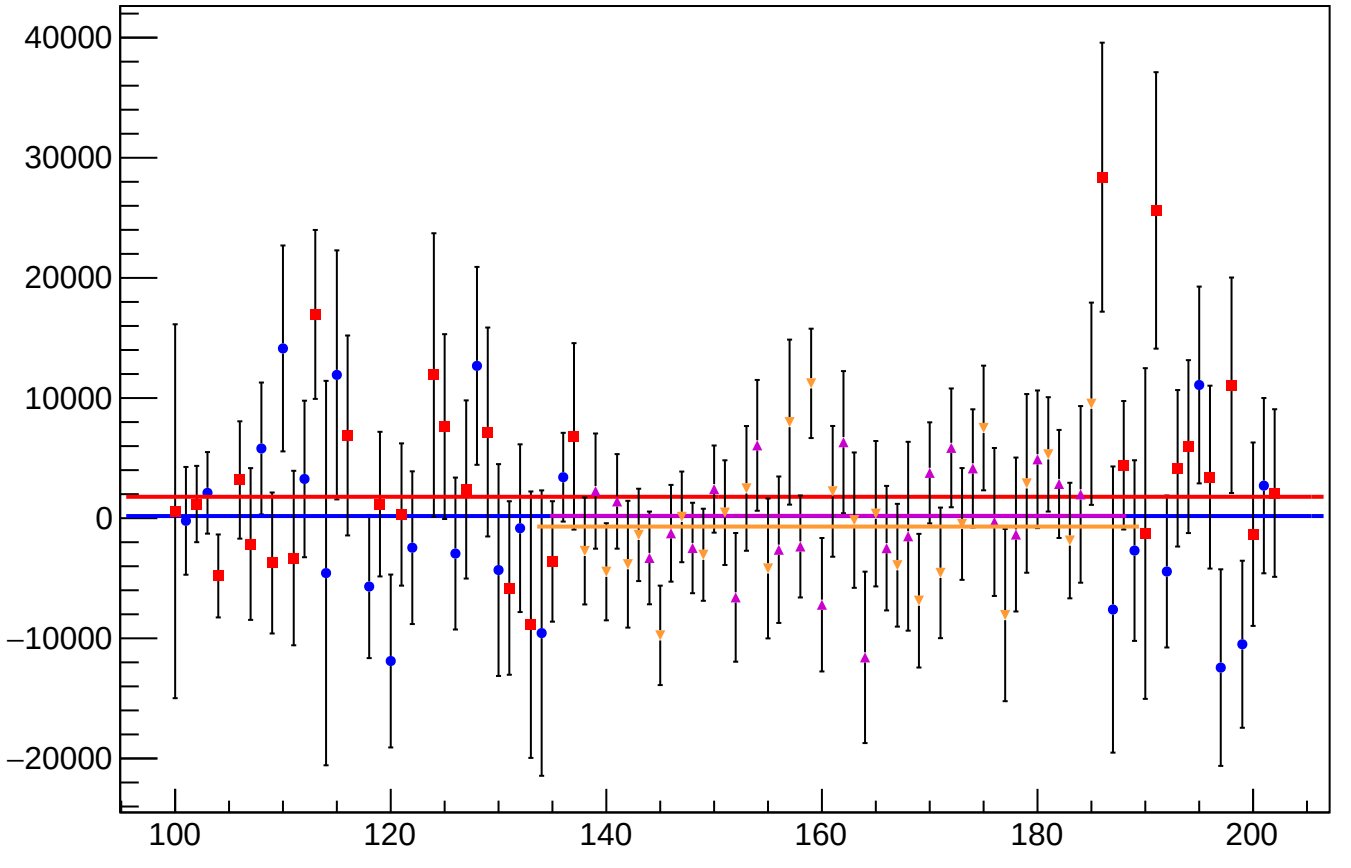
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1943.591+/-0.270 χ^2/NDF: 1097690.0/51

In: 1889.337+/-0.243 χ^2/NDF:753325.8/45

Out: 1894.802+/-0.232 χ^2/NDF:445883.5/53

All: 1892.191+/-0.168 χ^2/NDF: 1199474.3/99



Right In: 177.779+/-1330.496 χ^2/NDF: 21.6/22

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1781.725+/-1196.747 χ^2/NDF: 27.9/28

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

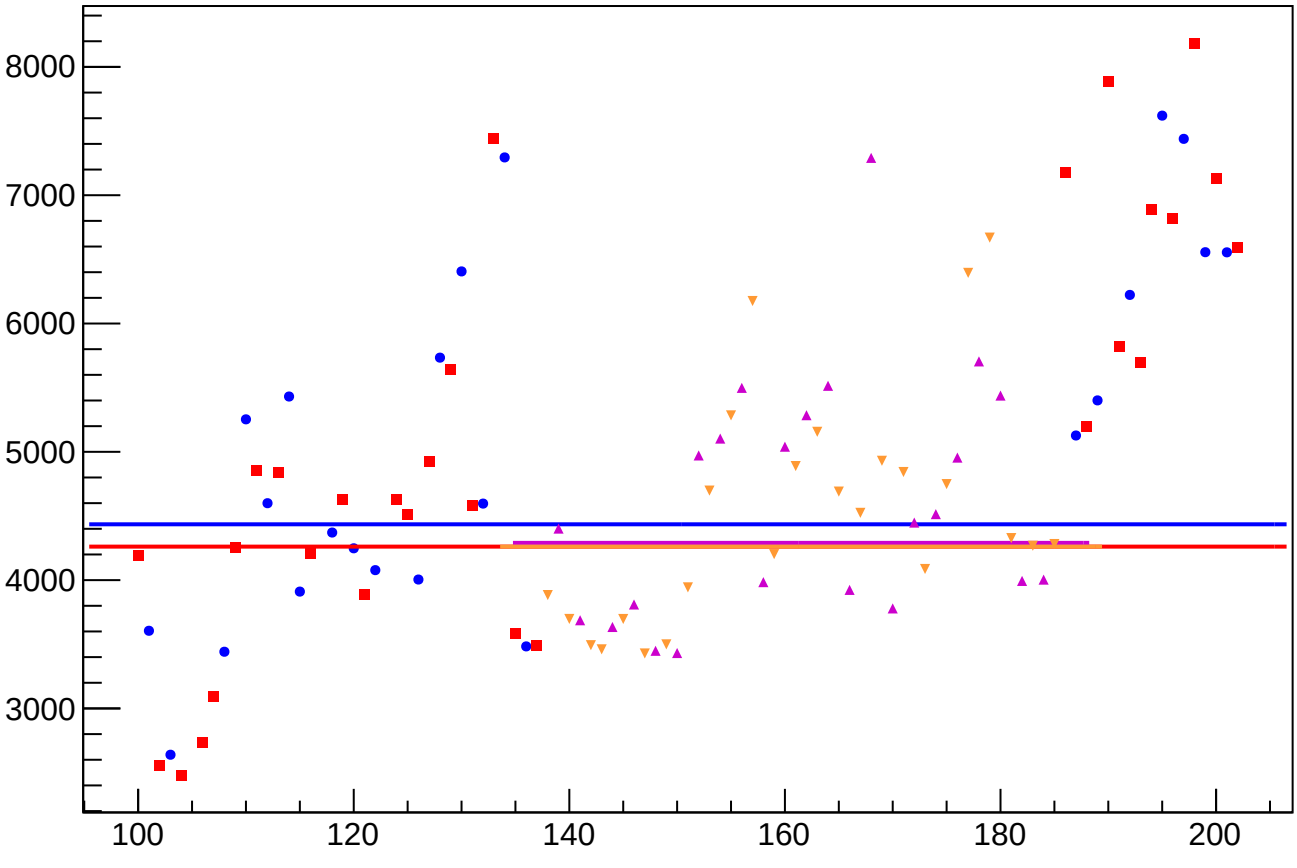
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 1064.401+/-889.767 χ^2/NDF: 50.3/51

In: 187.026+/-810.726 χ^2/NDF:36.8/45

Out: 309.368+/-762.836 χ^2/NDF:55.8/53

All: 251.917+/-555.565 χ^2/NDF: 92.6/99



Right In: 4435.160+/-0.941 χ^2/NDF: 2269367.6/22

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4261.209+/-0.846 χ^2/NDF: 3563354.3/28

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

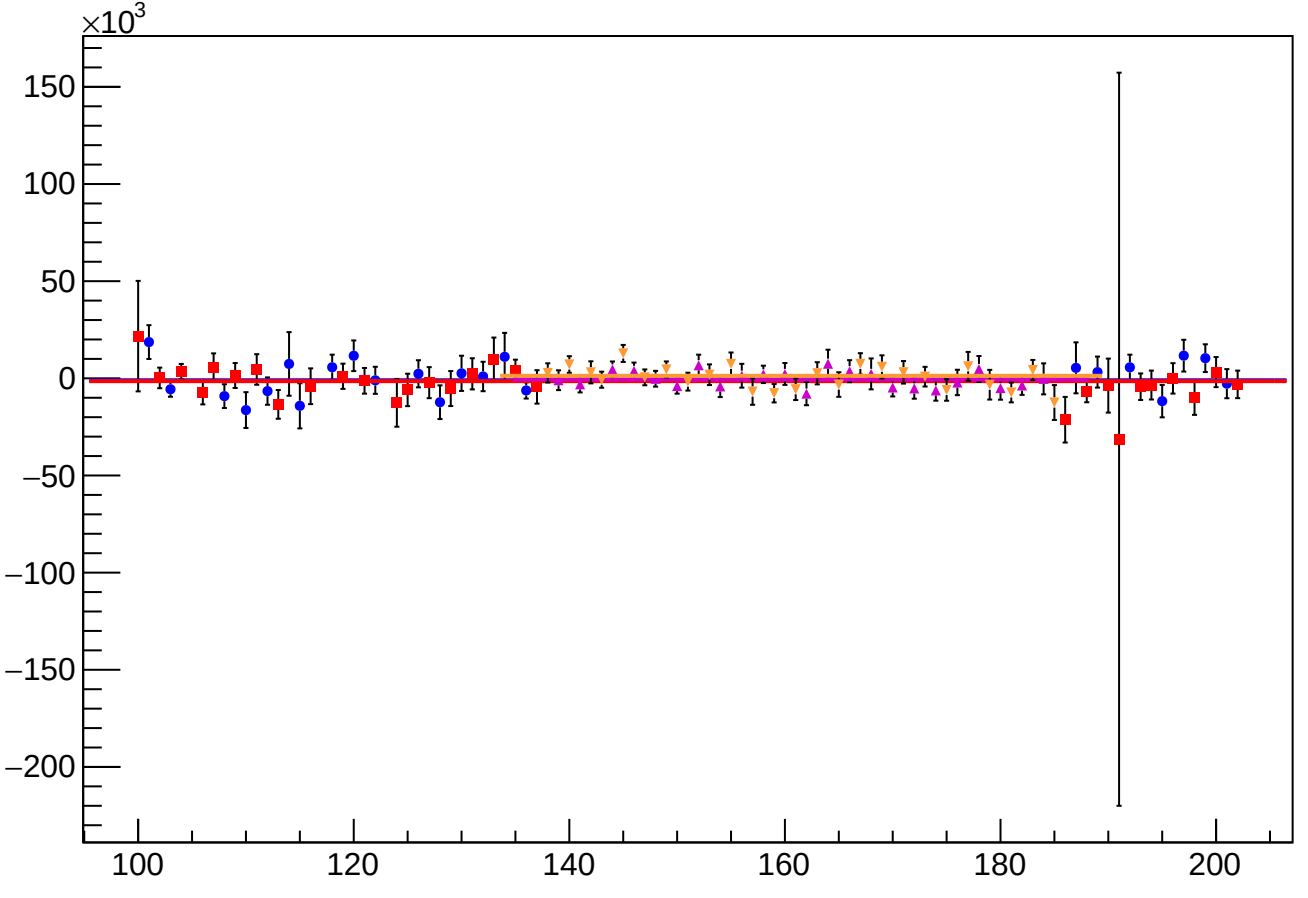
Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

Right: 4339.004+/-0.629 χ^2/NDF: 5851619.3/51

In: 4344.152+/-0.573 χ^2/NDF:3498222.1/45

Out: 4261.163+/-0.539 χ^2/NDF:4753918.5/53

All: 4300.134+/-0.393 χ^2/NDF: 8263256.2/99



Right In: -1007.459+/-1490.821 χ^2/NDF: 29.8/22

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1447.219+/-1376.664 χ^2/NDF: 16.5/28

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

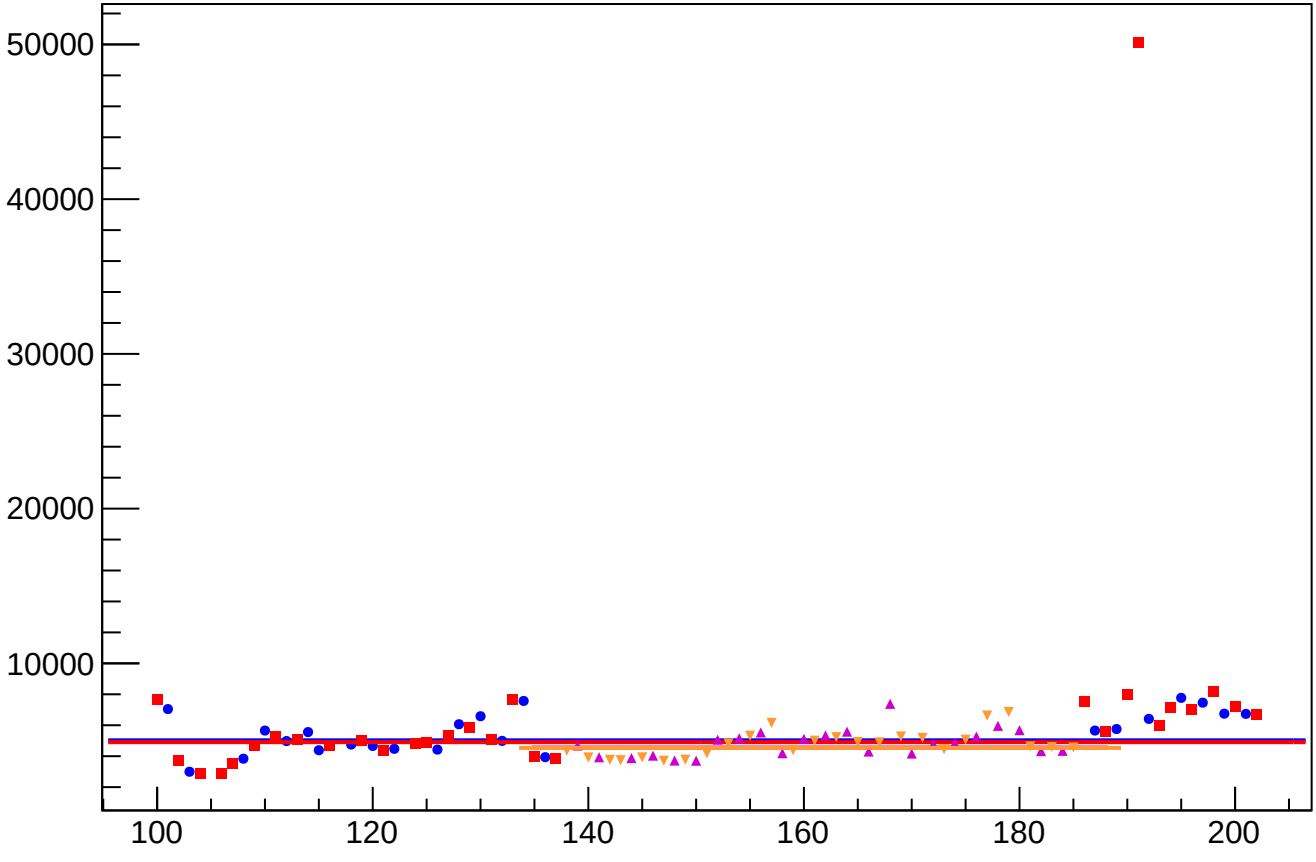
Right: -1244.818+/-1011.401 χ^2/NDF: 46.3/51

In: -725.172+/-875.744 χ^2/NDF:44.2/45

Out: 289.136+/-834.654 χ^2/NDF:47.5/53

All: -193.665+/-604.194 χ^2/NDF: 92.5/99

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5026.613+/-1.054 χ^2/NDF: 1824175.4/22

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4906.835+/-0.968 χ^2/NDF: 2529676.8/28

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

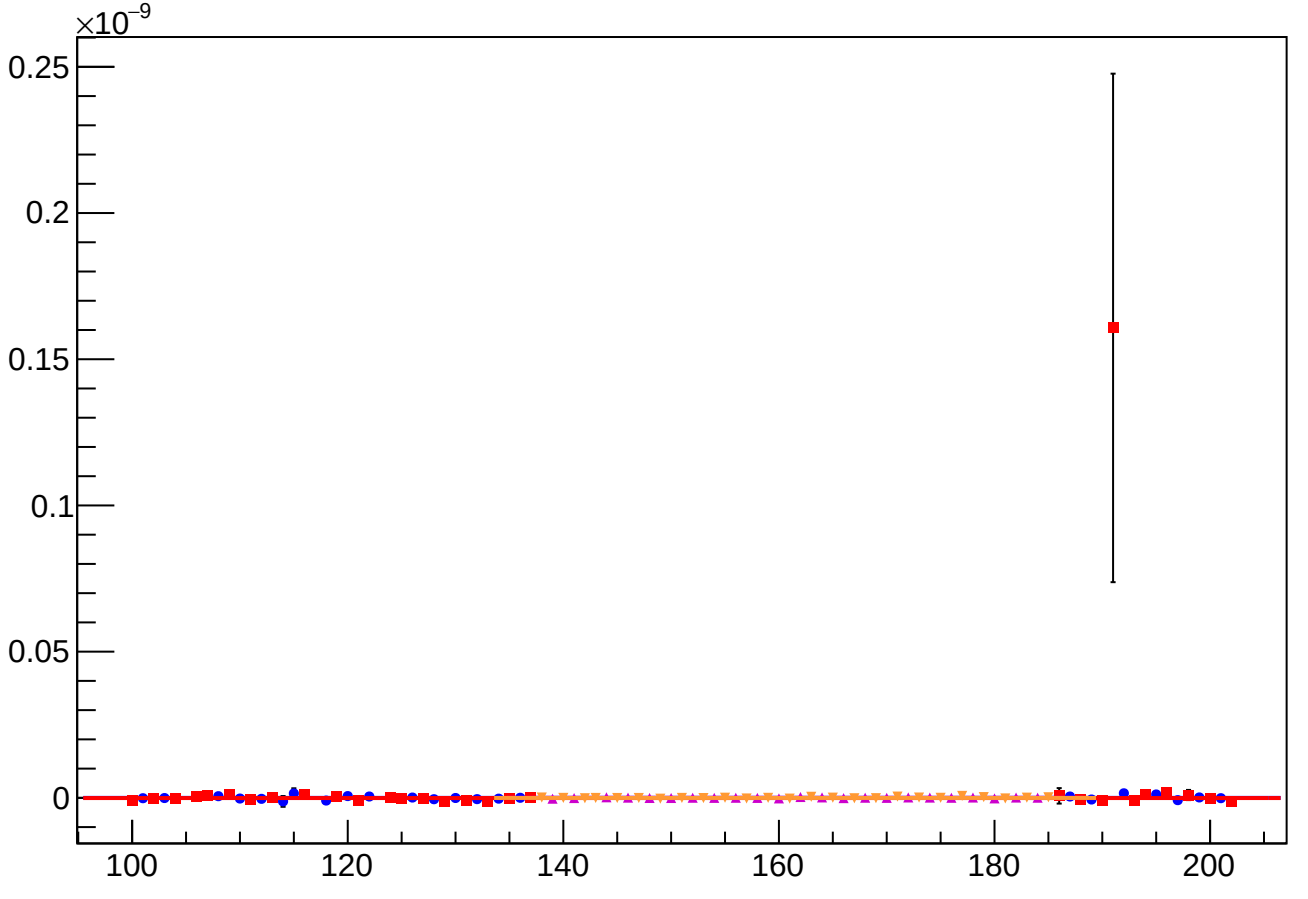
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4961.612+/-0.713 χ^2/NDF: 4360858.3/51

In: 4721.344+/-0.619 χ^2/NDF:2932417.3/45

Out: 4674.552+/-0.589 χ^2/NDF:3614085.5/53

All: 4696.774+/-0.427 χ^2/NDF: 6549500.9/99



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/28

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

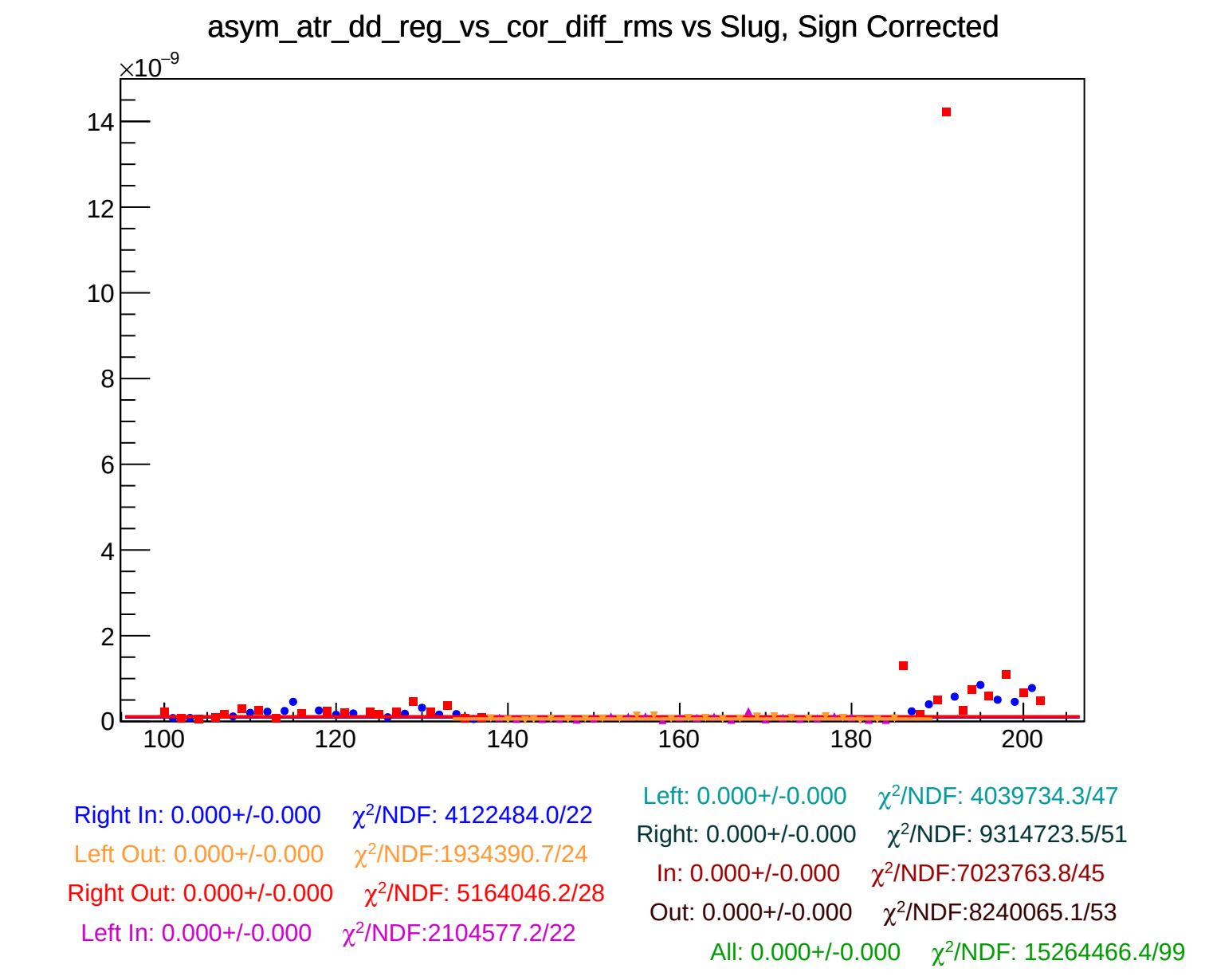
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

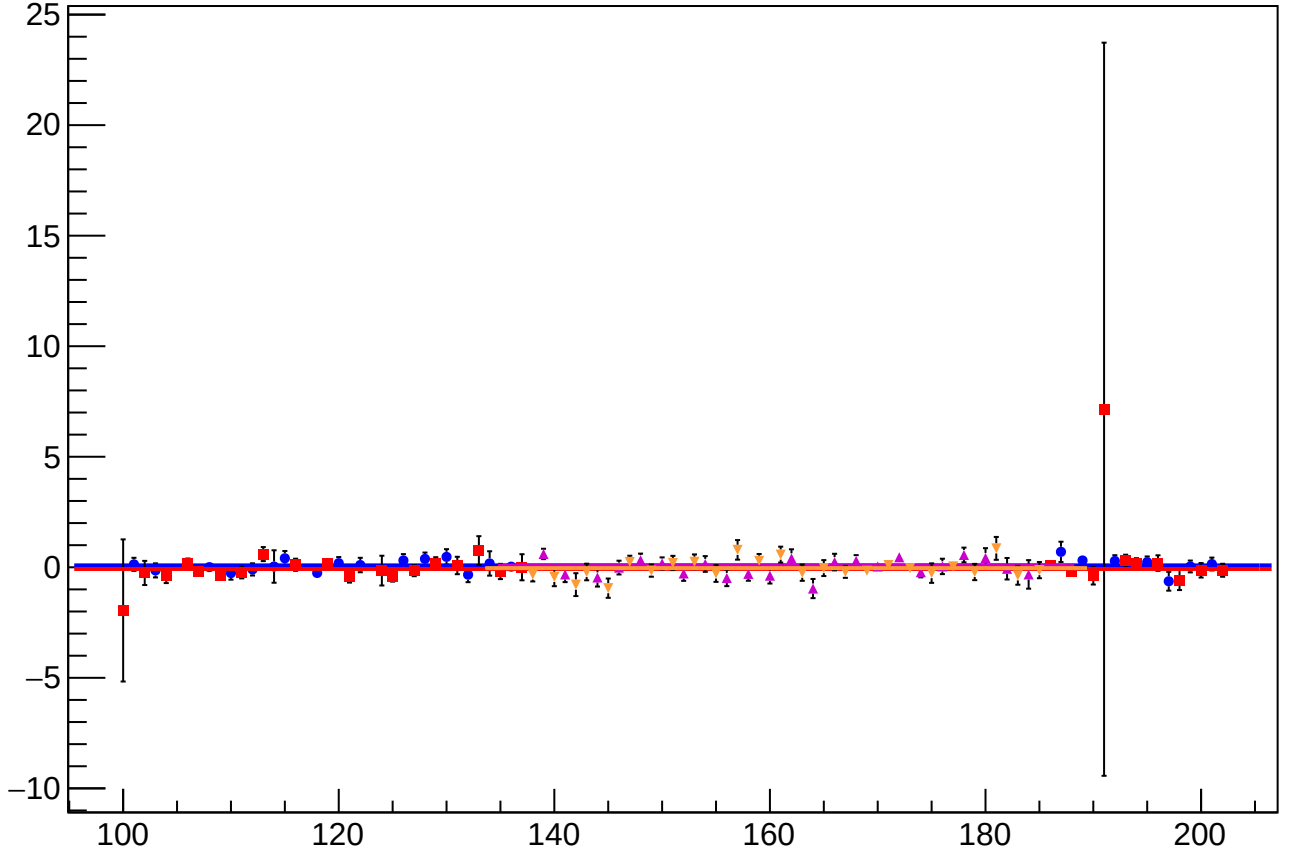
Right: -0.000+/-0.000 χ^2/NDF: 54.0/51

In: 0.000+/-0.000 χ^2/NDF:38.8/45

Out: -0.000+/-0.000 χ^2/NDF:73.8/53

All: -0.000+/-0.000 χ^2/NDF: 114.5/99


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
Right In: 0.000+/-0.000 χ²/NDF: 4122484.0/22
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5164046.2/28
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: 9314723.5/51
In: 0.000+/-0.000 χ²/NDF:7023763.8/45
Out: 0.000+/-0.000 χ²/NDF:8240065.1/53
All: 0.000+/-0.000 χ²/NDF: 15264466.4/99



Right In: 0.086+/-0.058 χ^2/NDF: 18.0/22

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.076+/-0.052 χ^2/NDF: 24.8/28

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

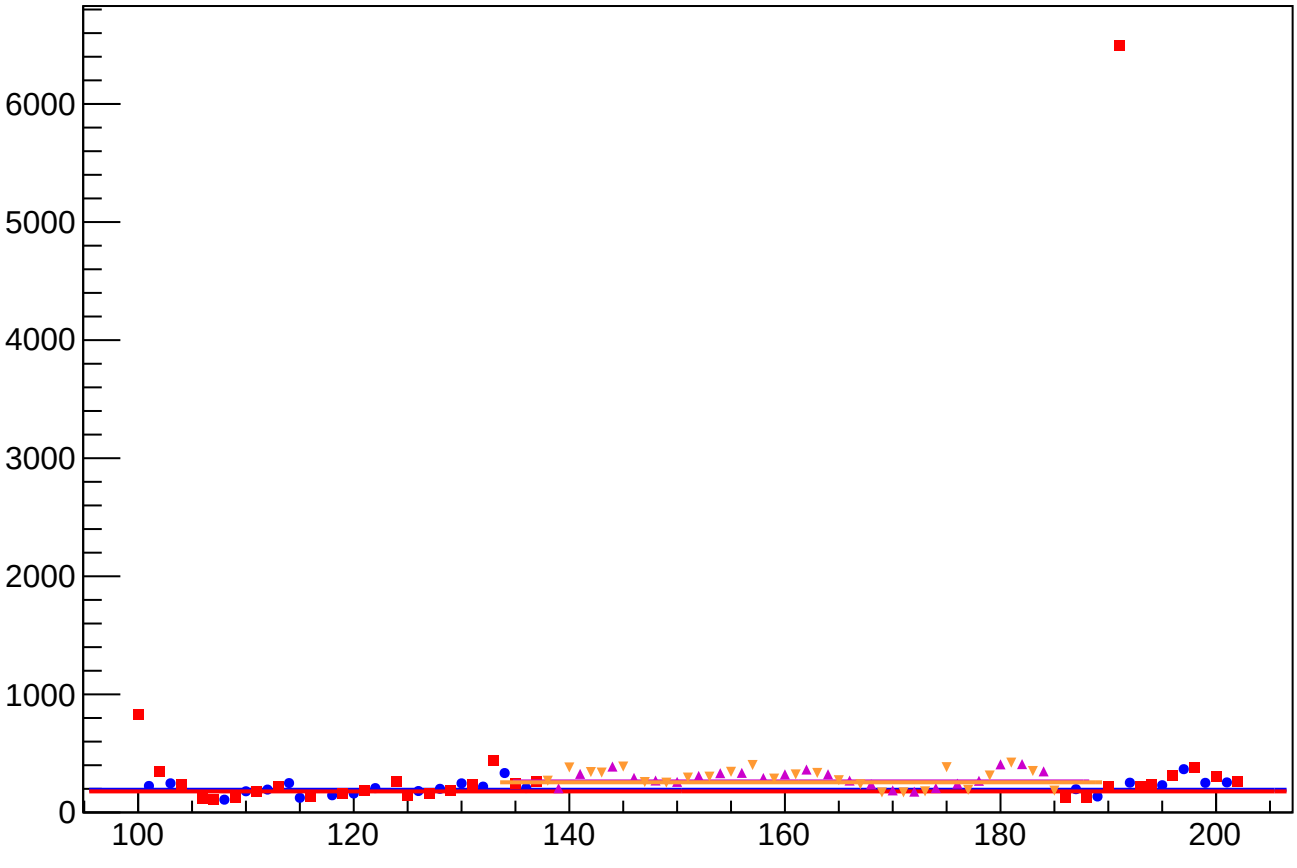
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.004+/-0.039 χ^2/NDF: 47.0/51

In: 0.082+/-0.043 χ^2/NDF:49.0/45

Out: -0.061+/-0.040 χ^2/NDF:49.4/53

All: 0.005+/-0.029 χ^2/NDF: 104.4/99



Right In: 192.230+/-0.041 χ^2/NDF: 1823904.5/22

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.243+/-0.037 χ^2/NDF: 3492817.3/28

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

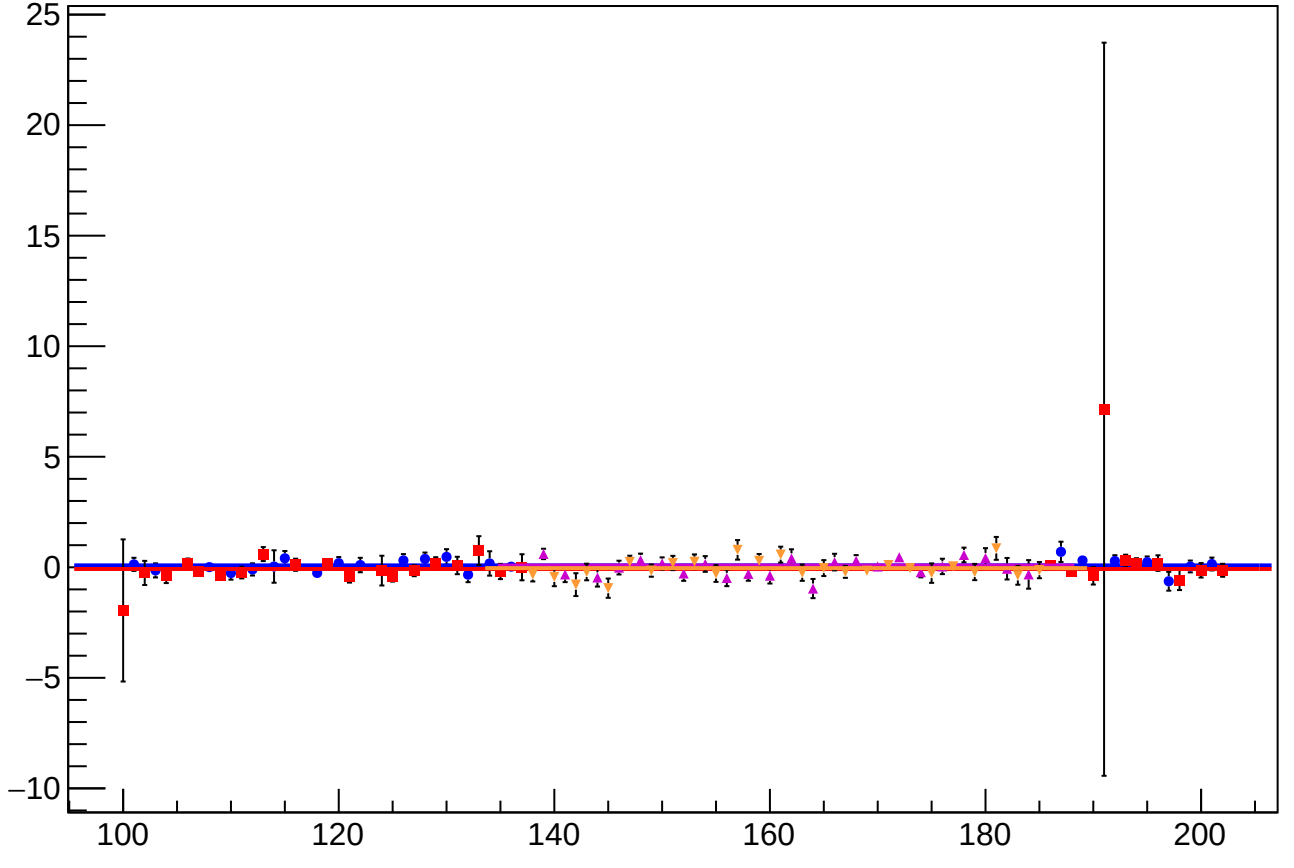
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 184.445+/-0.028 χ^2/NDF: 5380483.5/51

In: 223.833+/-0.031 χ^2/NDF:5154979.8/45

Out: 210.250+/-0.028 χ^2/NDF:8242329.4/53

All: 216.467+/-0.021 χ^2/NDF: 13503418.1/99



Right In: 0.086+/-0.058 χ^2/NDF: 18.0/22

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.076+/-0.052 χ^2/NDF: 24.8/28

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

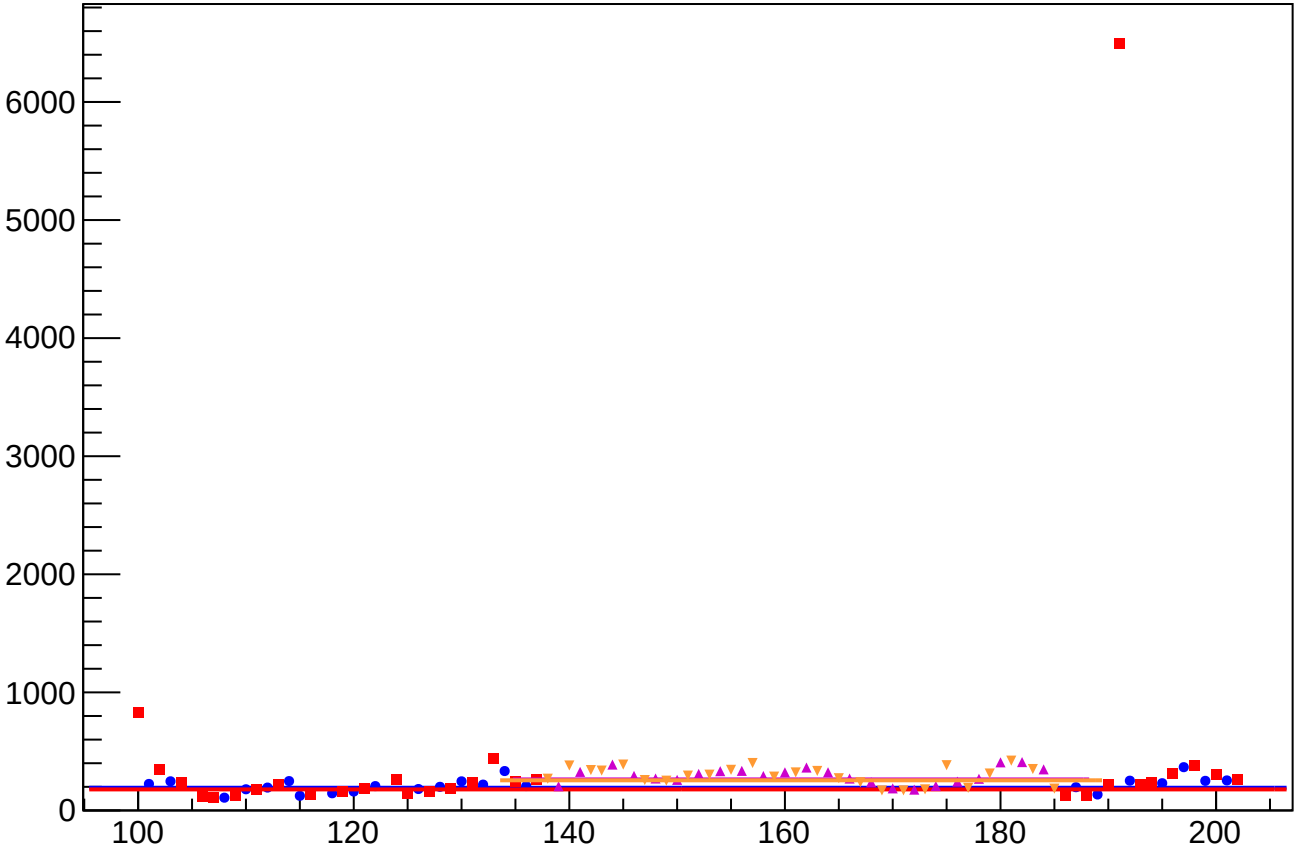
Right: -0.004+/-0.039 χ^2/NDF: 47.0/51

In: 0.082+/-0.043 χ^2/NDF:49.0/45

Out: -0.061+/-0.040 χ^2/NDF:49.4/53

All: 0.005+/-0.029 χ^2/NDF: 104.4/99

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.230+/-0.041 χ^2/NDF: 1823904.5/22

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.243+/-0.037 χ^2/NDF: 3492817.3/28

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

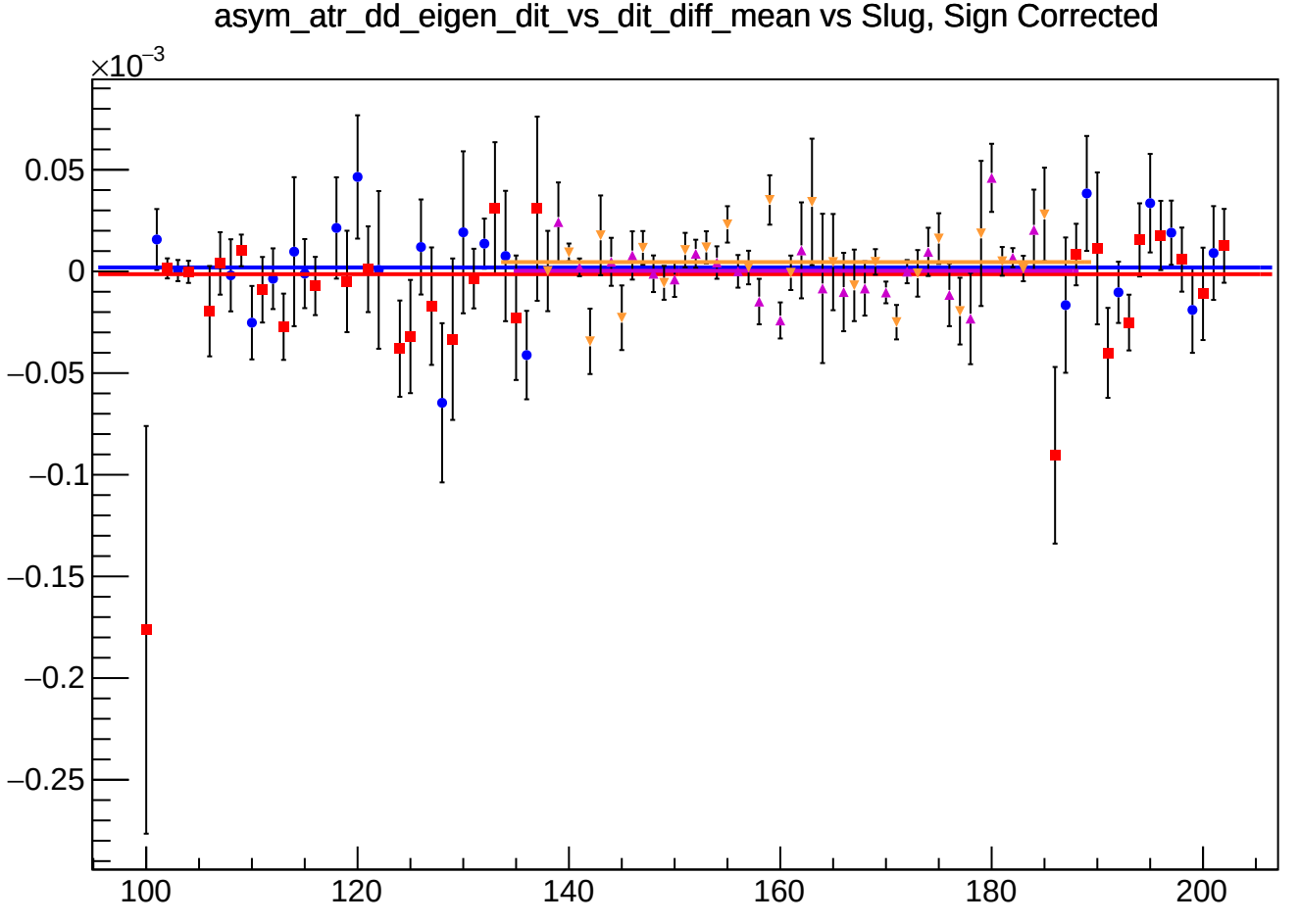
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 184.445+/-0.028 χ^2/NDF: 5380483.5/51

In: 223.833+/-0.031 χ^2/NDF:5154979.8/45

Out: 210.250+/-0.028 χ^2/NDF:8242329.4/53

All: 216.467+/-0.021 χ^2/NDF: 13503418.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/28

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

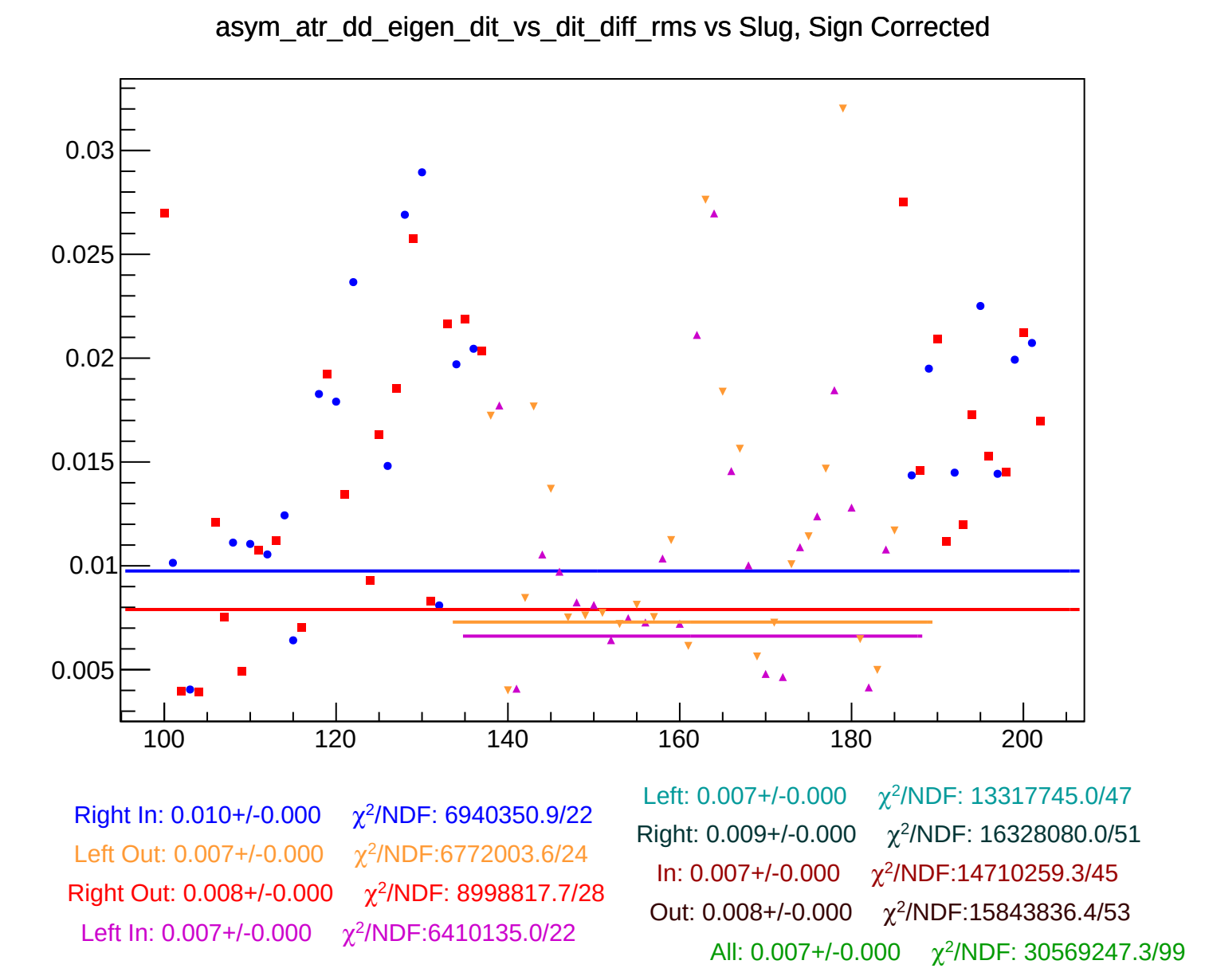
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

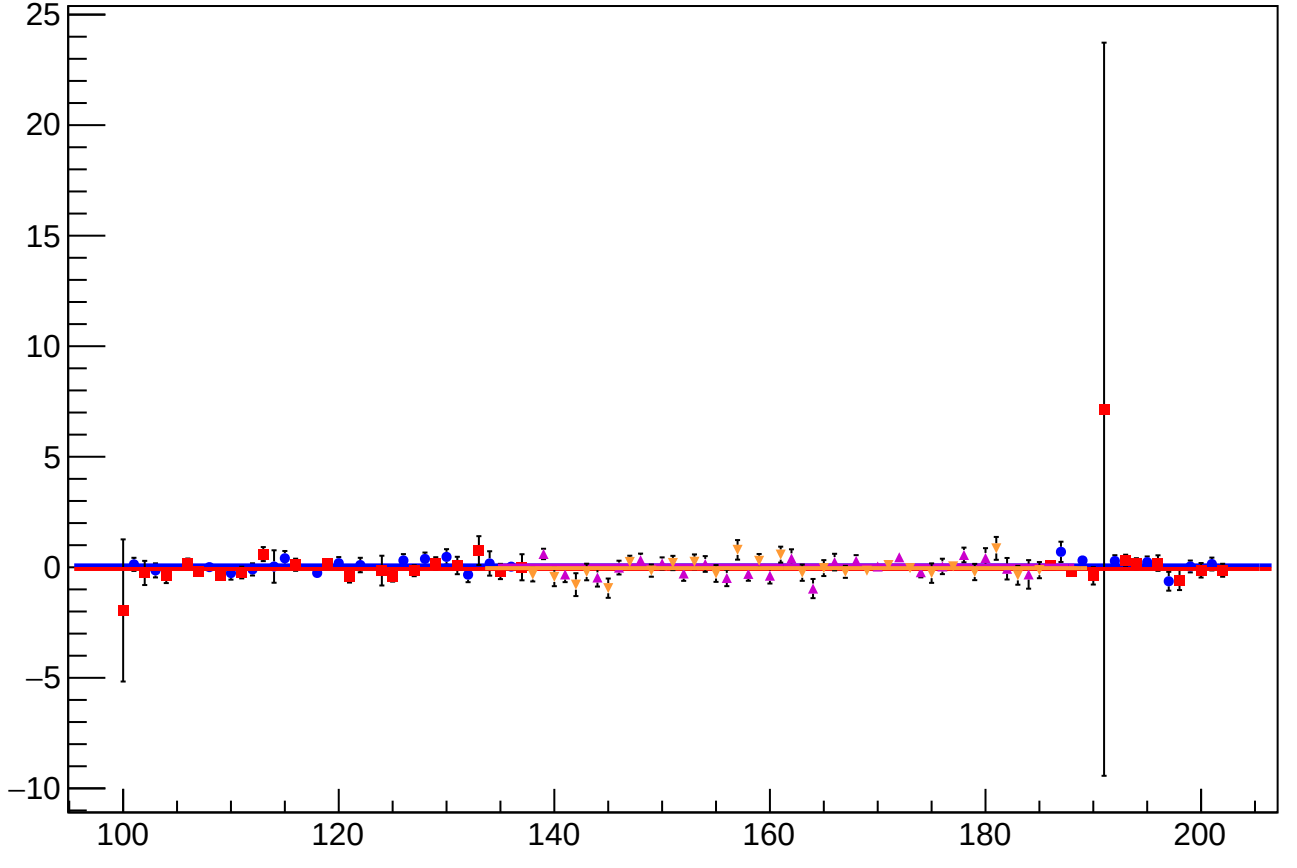
Right: -0.000+/-0.000 χ^2/NDF: 51.4/51

In: 0.000+/-0.000 χ^2/NDF:52.3/45

Out: 0.000+/-0.000 χ^2/NDF:76.8/53

All: 0.000+/-0.000 χ^2/NDF: 129.9/99


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 6940350.9/22
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 8998817.7/28
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
Left: 0.007+/-0.000 χ²/NDF: 13317745.0/47
Right: 0.009+/-0.000 χ²/NDF: 16328080.0/51
In: 0.007+/-0.000 χ²/NDF:14710259.3/45
Out: 0.008+/-0.000 χ²/NDF:15843836.4/53
All: 0.007+/-0.000 χ²/NDF: 30569247.3/99



Right In: 0.086+/-0.058 χ^2/NDF: 18.0/22

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.076+/-0.052 χ^2/NDF: 24.8/28

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

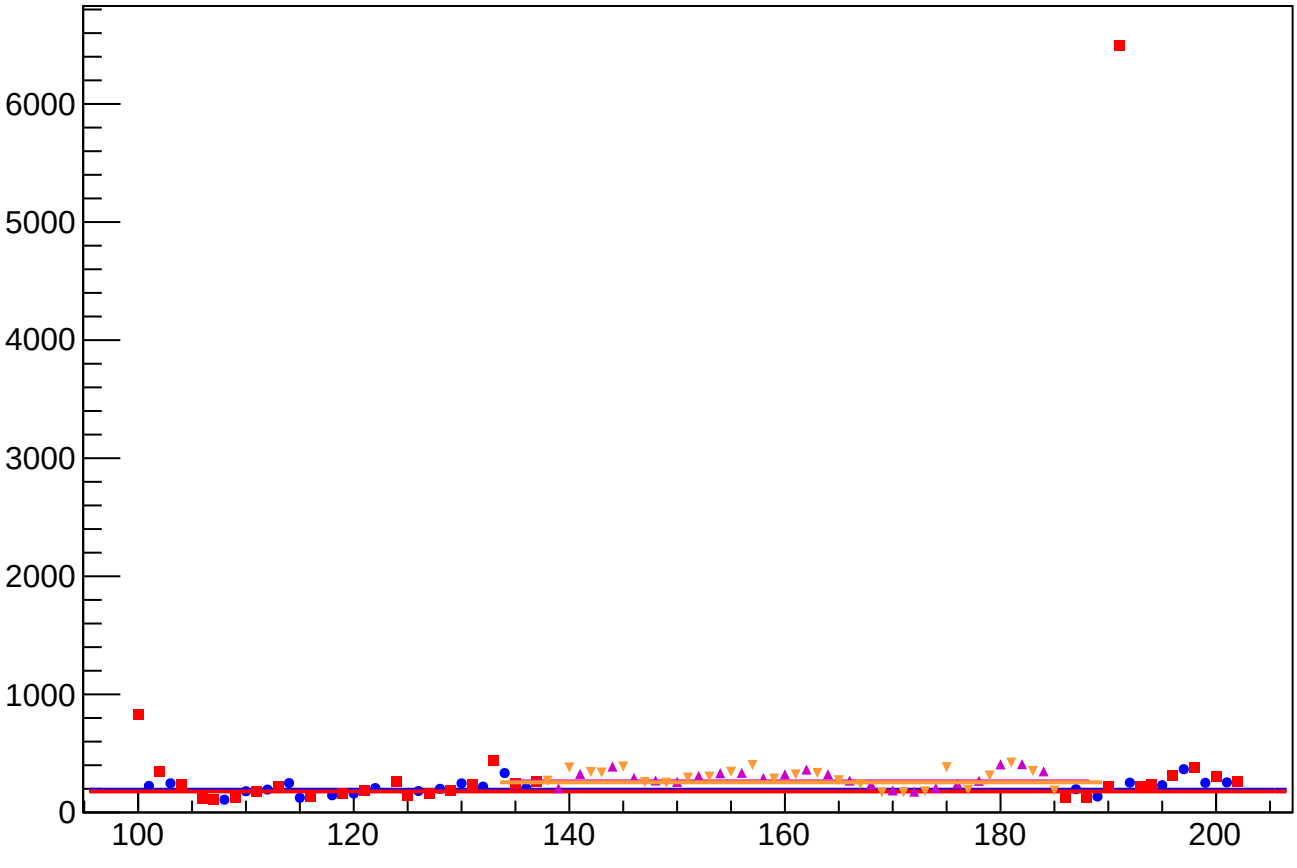
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.004+/-0.039 χ^2/NDF: 47.0/51

In: 0.082+/-0.043 χ^2/NDF:49.0/45

Out: -0.061+/-0.040 χ^2/NDF:49.4/53

All: 0.005+/-0.029 χ^2/NDF: 104.3/99



Right In: 192.229+/-0.041 χ^2/NDF: 1823904.0/22

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 178.244+/-0.037 χ^2/NDF: 3492771.3/28

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

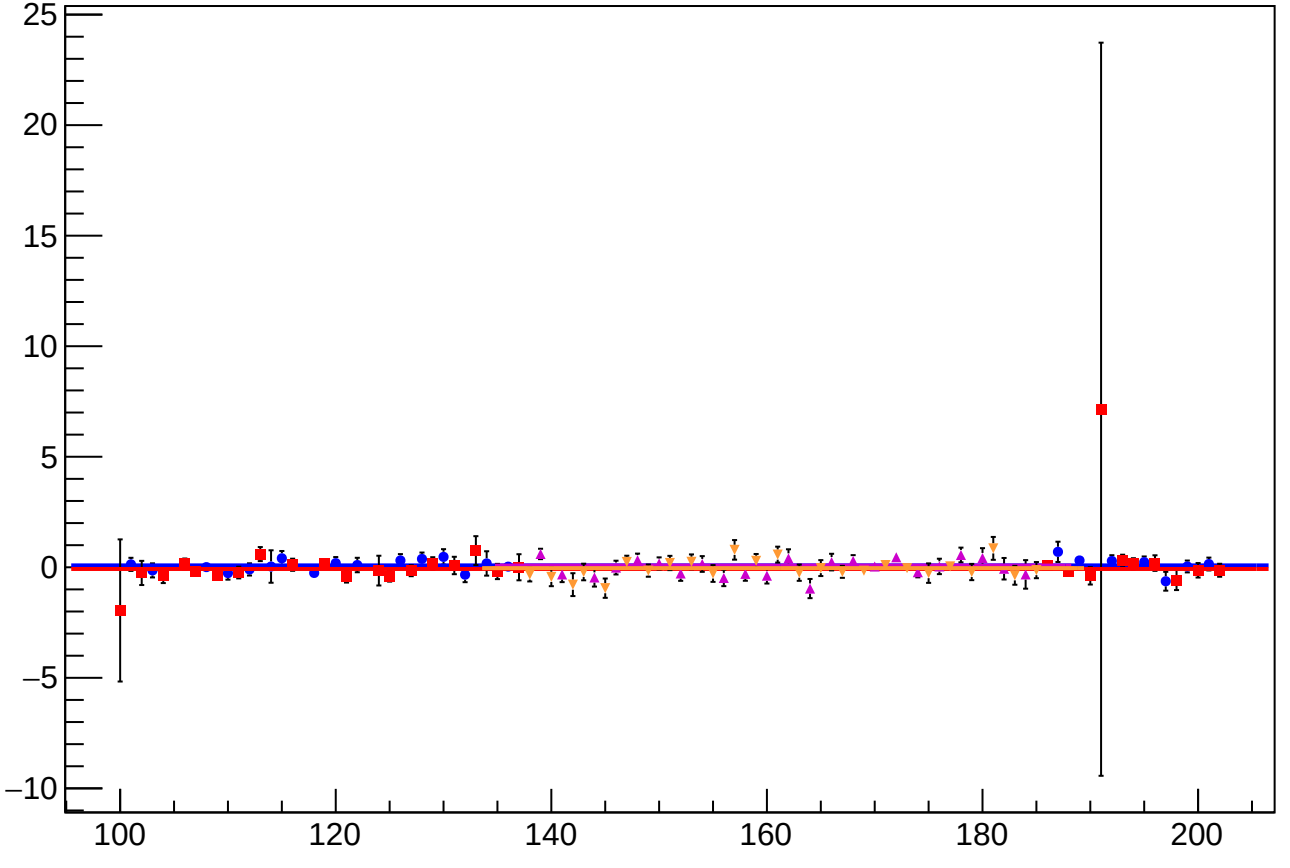
Right: 184.445+/-0.028 χ^2/NDF: 5380422.1/51

In: 223.833+/-0.031 χ^2/NDF:5155107.0/45

Out: 210.252+/-0.028 χ^2/NDF:8242385.0/53

All: 216.468+/-0.021 χ^2/NDF: 13503584.7/99

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.058 χ^2/NDF: 18.0/22

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.076+/-0.052 χ^2/NDF: 24.8/28

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

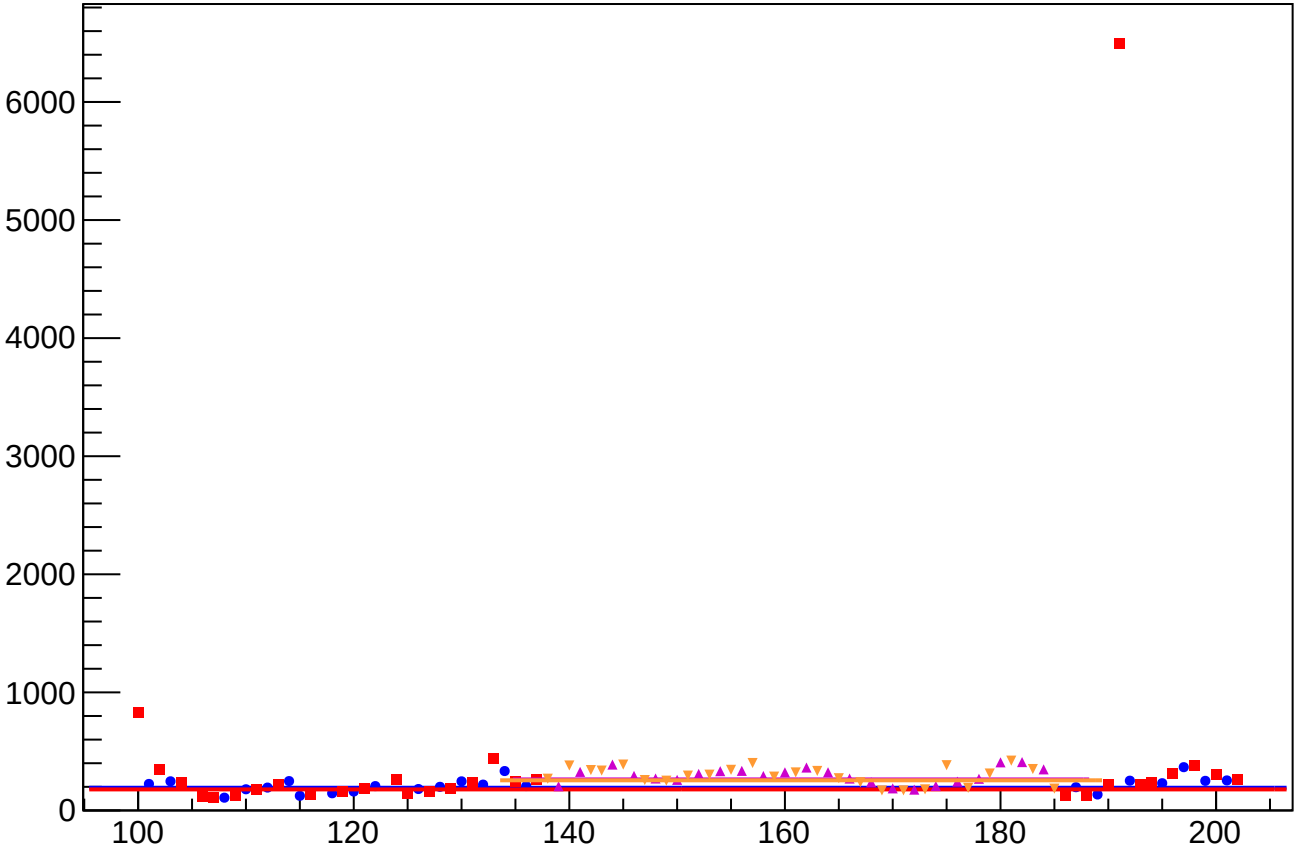
Right: -0.004+/-0.039 χ^2/NDF: 47.0/51

In: 0.082+/-0.043 χ^2/NDF:49.0/45

Out: -0.061+/-0.040 χ^2/NDF:49.4/53

All: 0.005+/-0.029 χ^2/NDF: 104.3/99

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.229+/-0.041 χ^2/NDF: 1823904.0/22

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 178.244+/-0.037 χ^2/NDF: 3492771.3/28

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

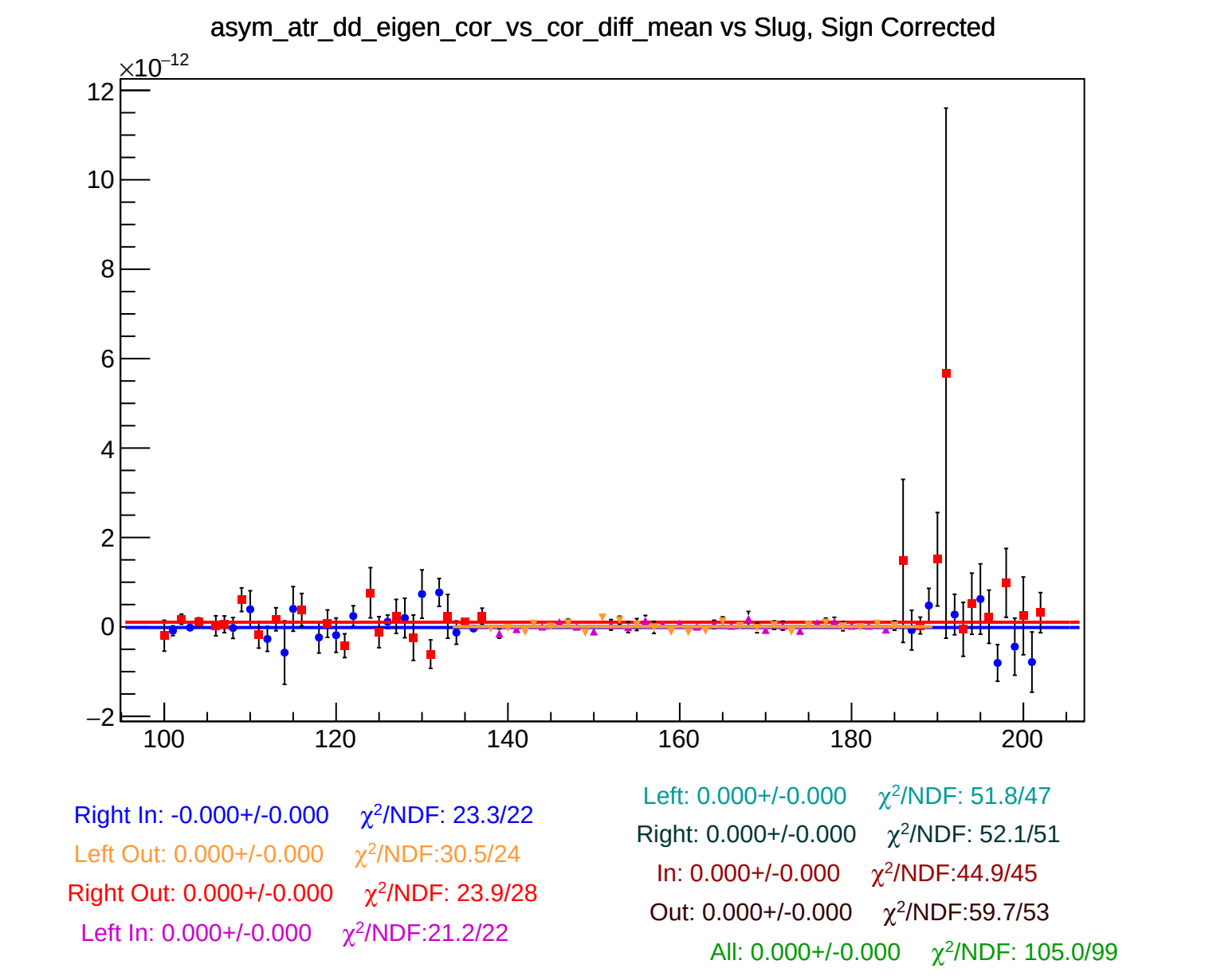
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 184.445+/-0.028 χ^2/NDF: 5380422.1/51

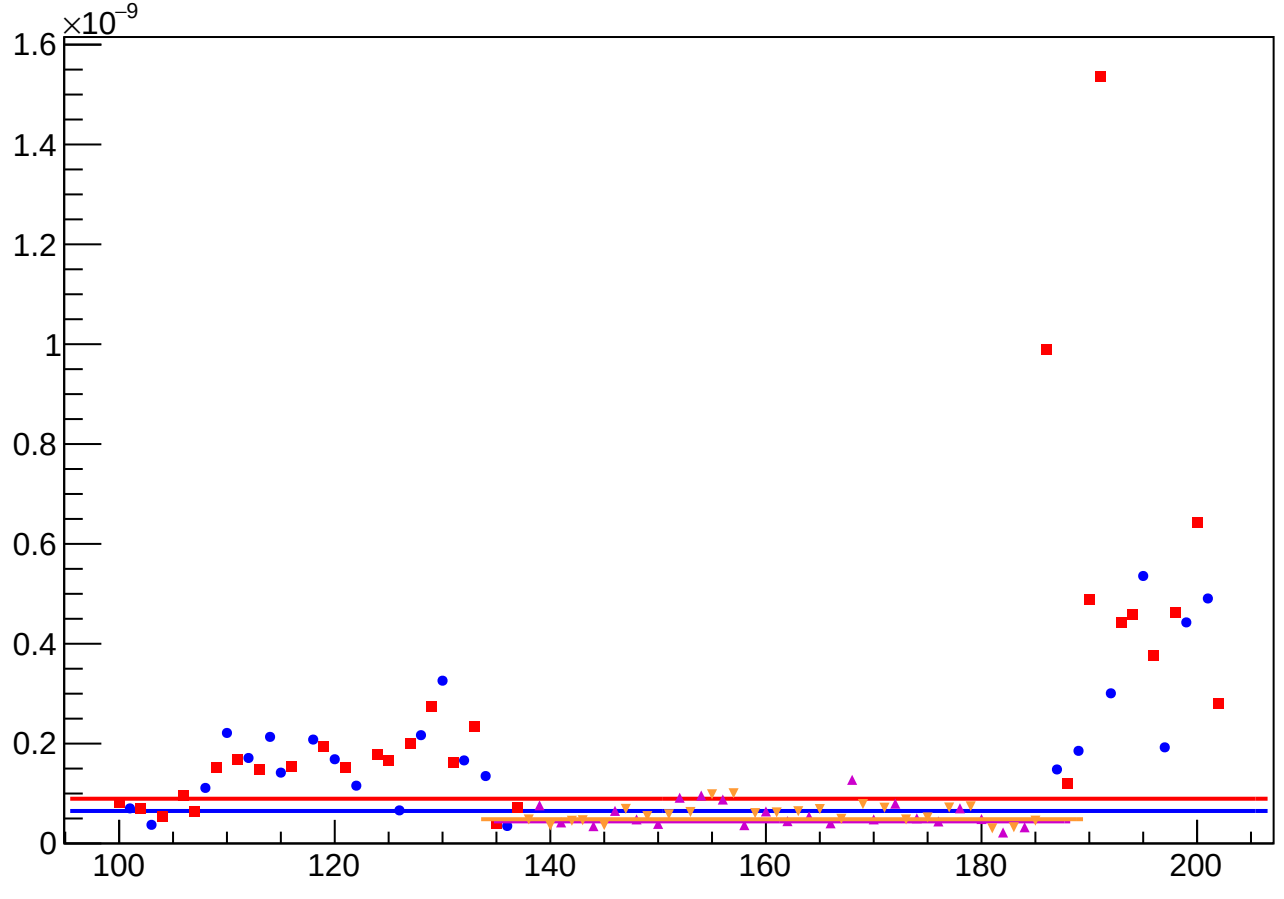
In: 223.833+/-0.031 χ^2/NDF:5155107.0/45

Out: 210.252+/-0.028 χ^2/NDF:8242385.0/53

All: 216.468+/-0.021 χ^2/NDF: 13503584.7/99


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.3/22
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.9/28
Left In: 0.000+/-0.000 χ²/NDF:21.2/22
Left: 0.000+/-0.000 χ²/NDF: 51.8/47
Right: 0.000+/-0.000 χ²/NDF: 52.1/51
In: 0.000+/-0.000 χ²/NDF:44.9/45
Out: 0.000+/-0.000 χ²/NDF:59.7/53
All: 0.000+/-0.000 χ²/NDF: 105.0/99

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6619113.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7200194.3/28

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

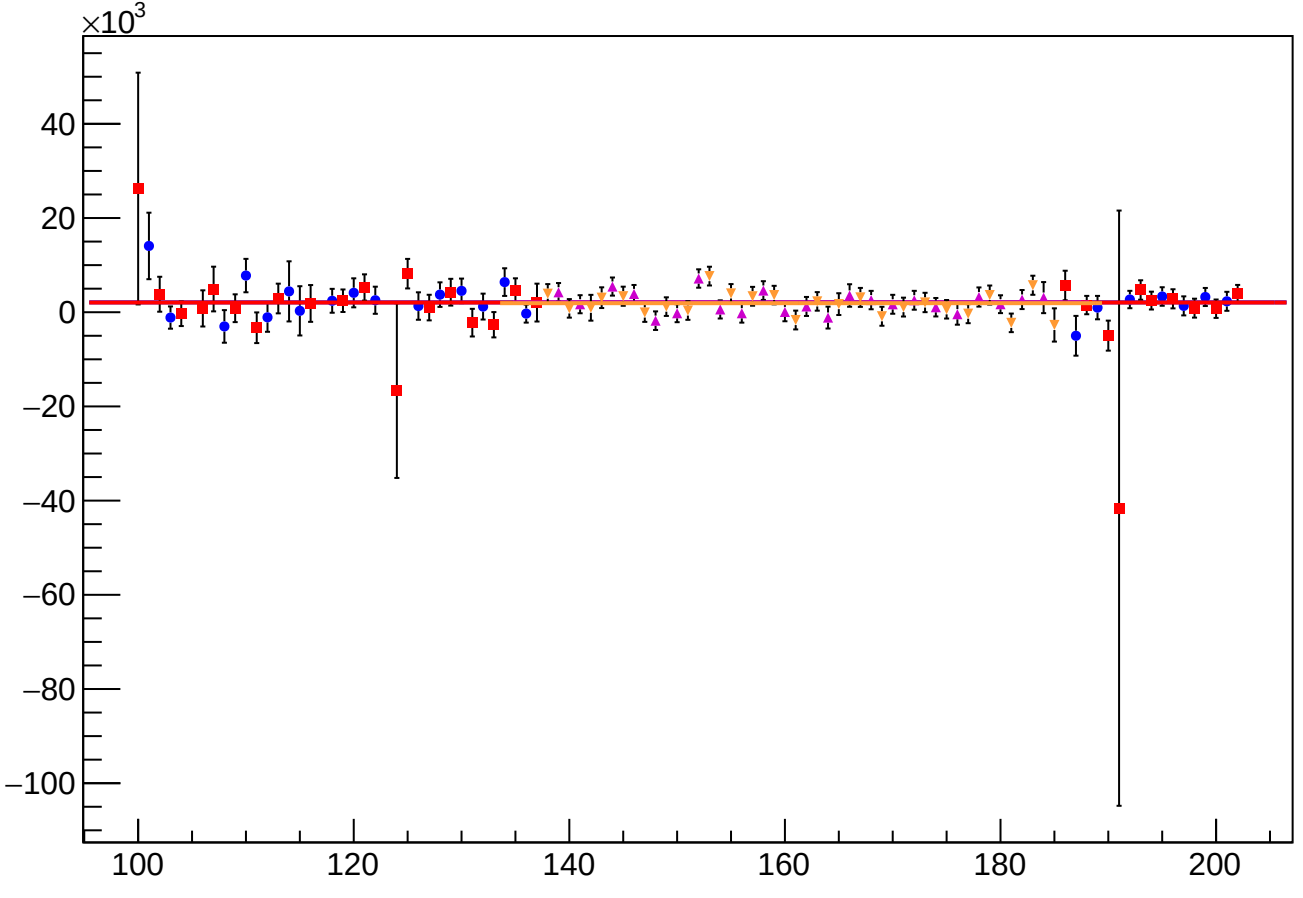
Right: 0.000+/-0.000 χ^2/NDF: 14242867.3/51

In: 0.000+/-0.000 χ^2/NDF:10868703.6/45

Out: 0.000+/-0.000 χ^2/NDF:11521135.8/53

All: 0.000+/-0.000 χ^2/NDF: 22597432.8/99

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2094.787+/-544.075 χ^2/NDF: 20.5/22

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2059.514+/-510.102 χ^2/NDF: 28.9/28

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

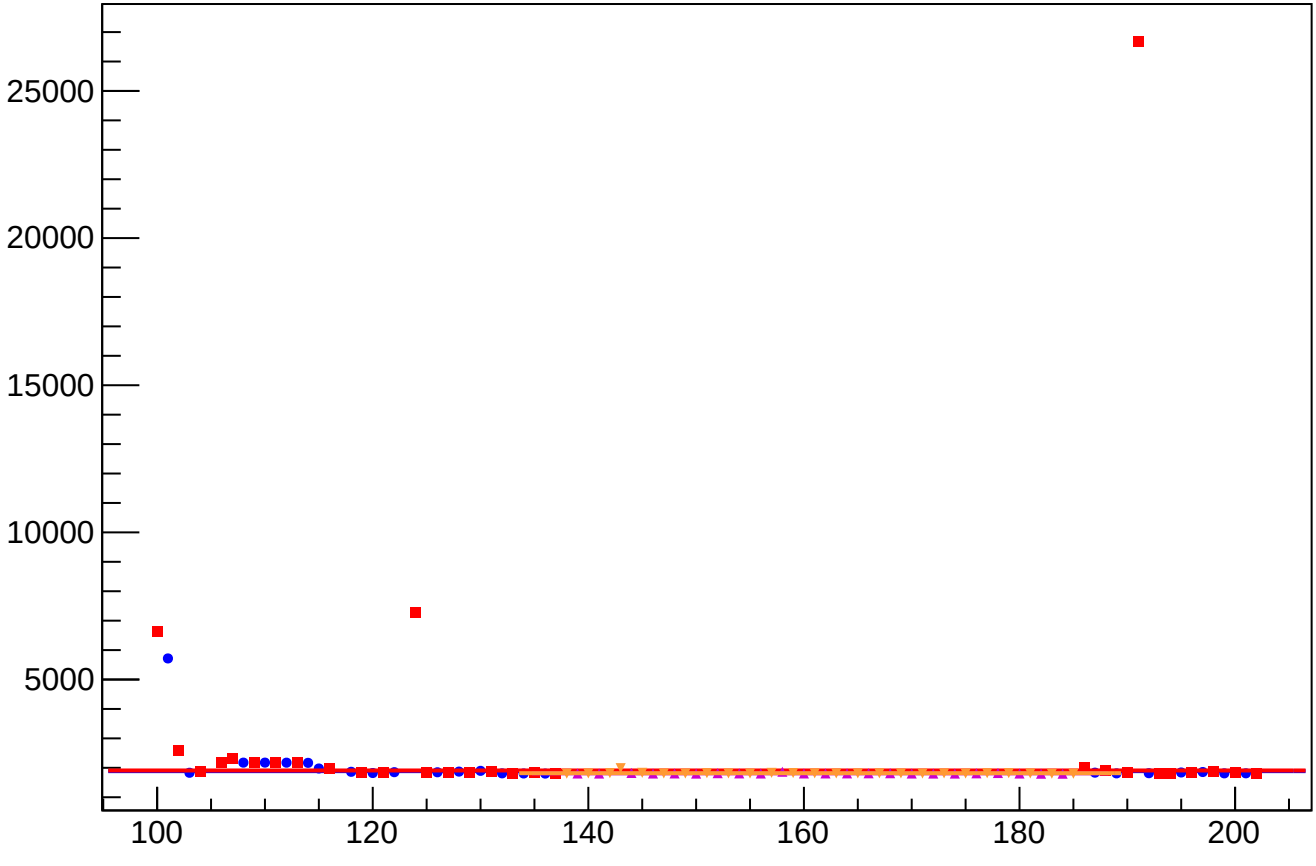
Right: 2076.015+/-372.127 χ^2/NDF: 49.3/51

In: 2081.964+/-334.046 χ^2/NDF:47.0/45

Out: 1975.605+/-320.943 χ^2/NDF:61.4/53

All: 2026.658+/-231.435 χ^2/NDF: 108.5/99

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1886.772+/-0.385 χ^2/NDF: 659712.4/22

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1909.613+/-0.361 χ^2/NDF: 727157.7/28

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

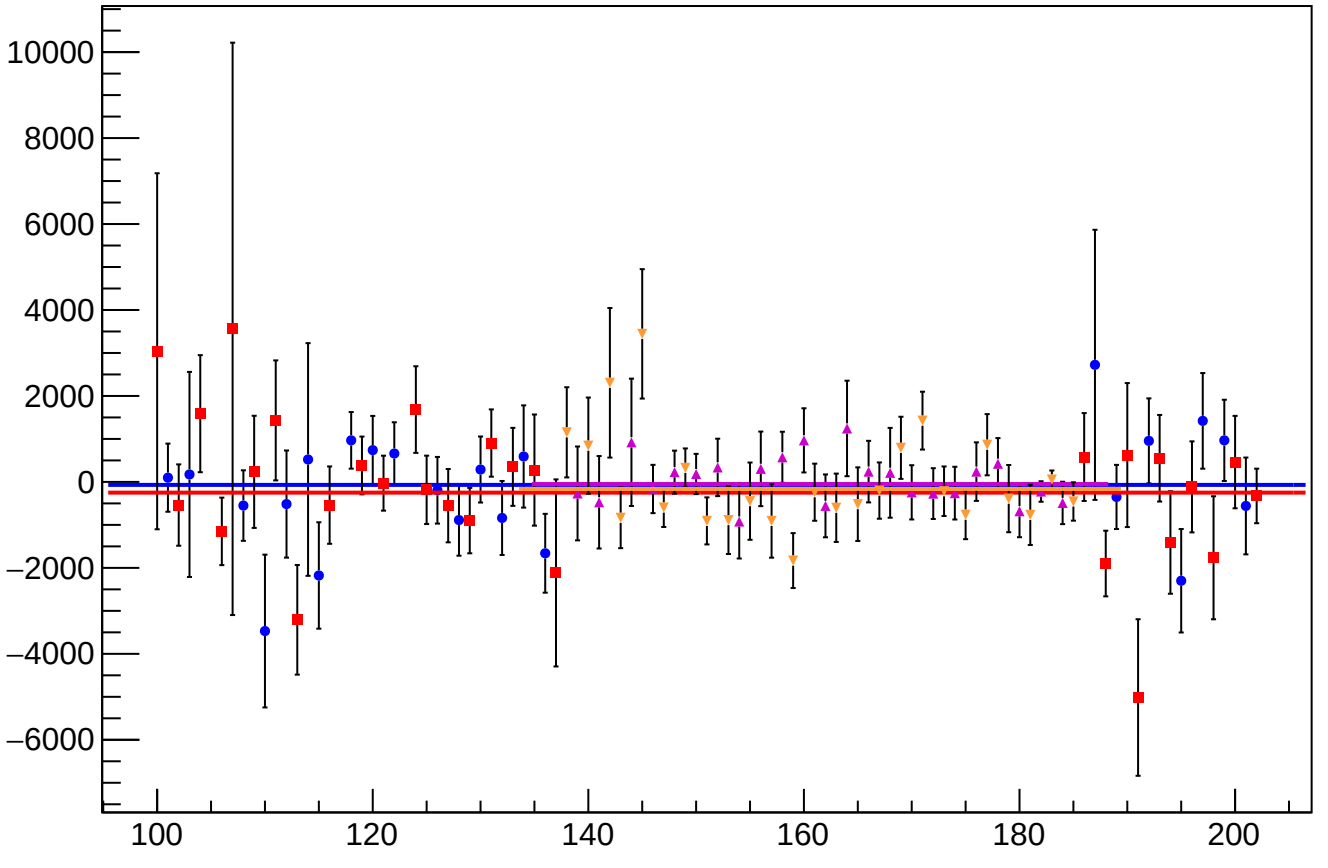
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1898.928+/-0.263 χ^2/NDF: 1388745.9/51

In: 1840.526+/-0.236 χ^2/NDF:684918.5/45

Out: 1853.979+/-0.227 χ^2/NDF:779492.2/53

All: 1847.521+/-0.164 χ^2/NDF: 1466097.5/99



Right In: -69.355+/-199.364 χ^2/NDF: 25.6/22

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -249.224+/-182.474 χ^2/NDF: 35.9/28

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

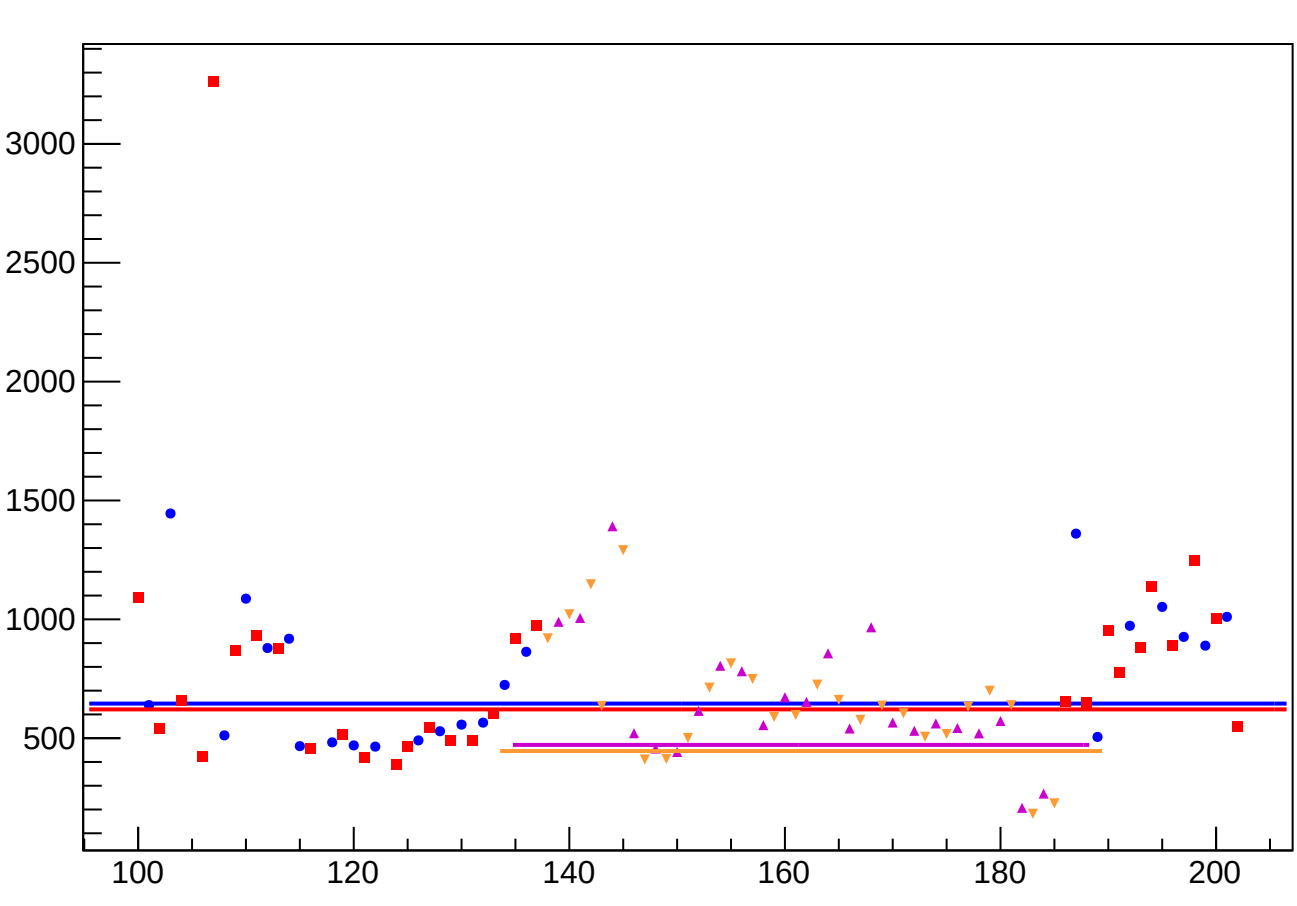
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -167.231+/-134.604 χ^2/NDF: 62.0/51

In: -54.802+/-104.490 χ^2/NDF:37.0/45

Out: -187.599+/-97.469 χ^2/NDF:72.9/53

All: -125.811+/-71.274 χ^2/NDF: 110.7/99



Right In: 645.594+/-0.141 χ^2/NDF: 2254634.9/22

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 621.152+/-0.129 χ^2/NDF: 2916304.0/28

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

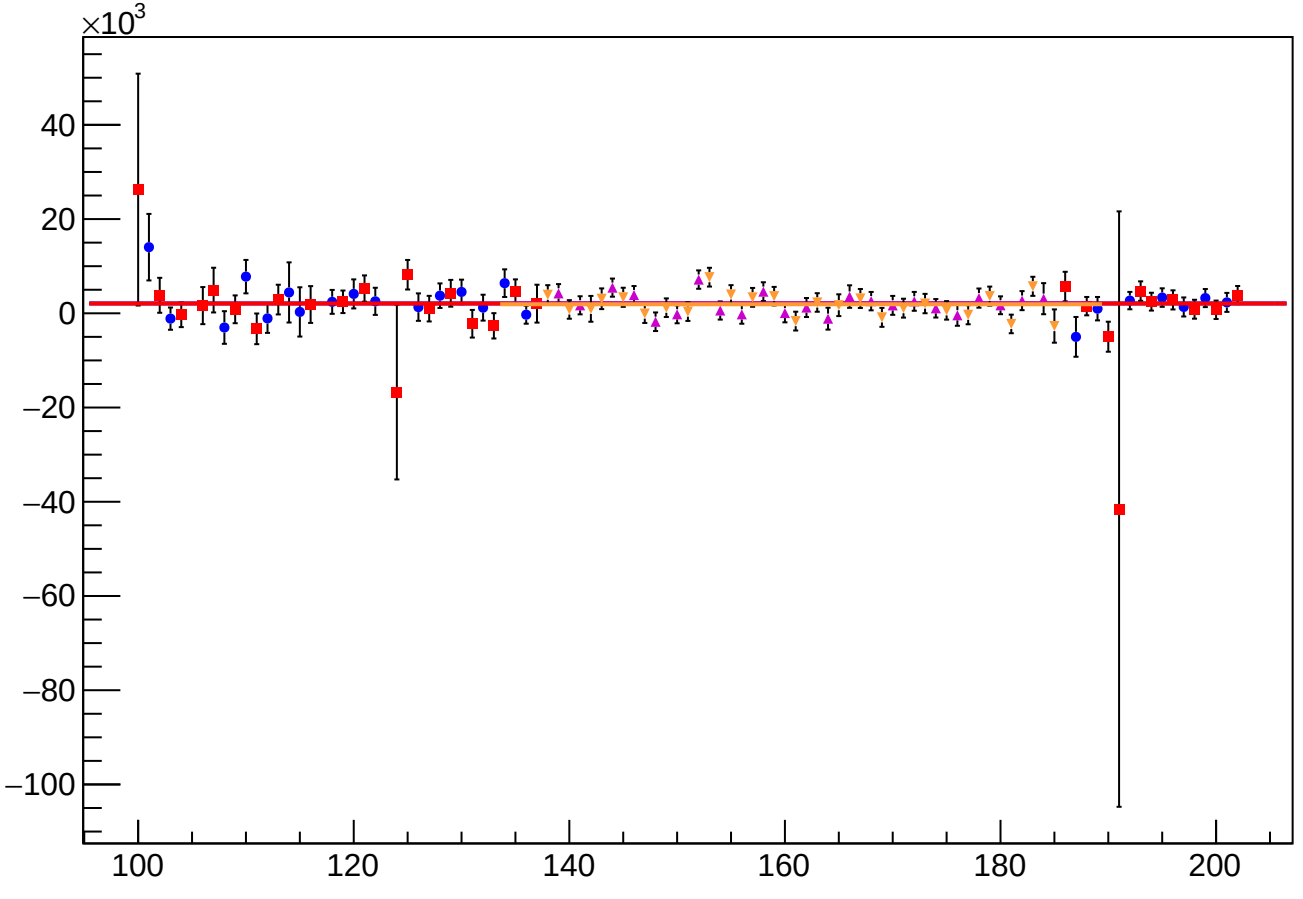
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 632.294+/-0.095 χ^2/NDF: 5187295.9/51

In: 519.501+/-0.074 χ^2/NDF:9771589.9/45

Out: 495.898+/-0.069 χ^2/NDF:12217329.9/53

All: 506.880+/-0.050 χ^2/NDF: 22043487.7/99



Right In: 2094.692+/-544.075 χ^2/NDF: 20.5/22

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2074.494+/-510.317 χ^2/NDF: 28.8/28

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

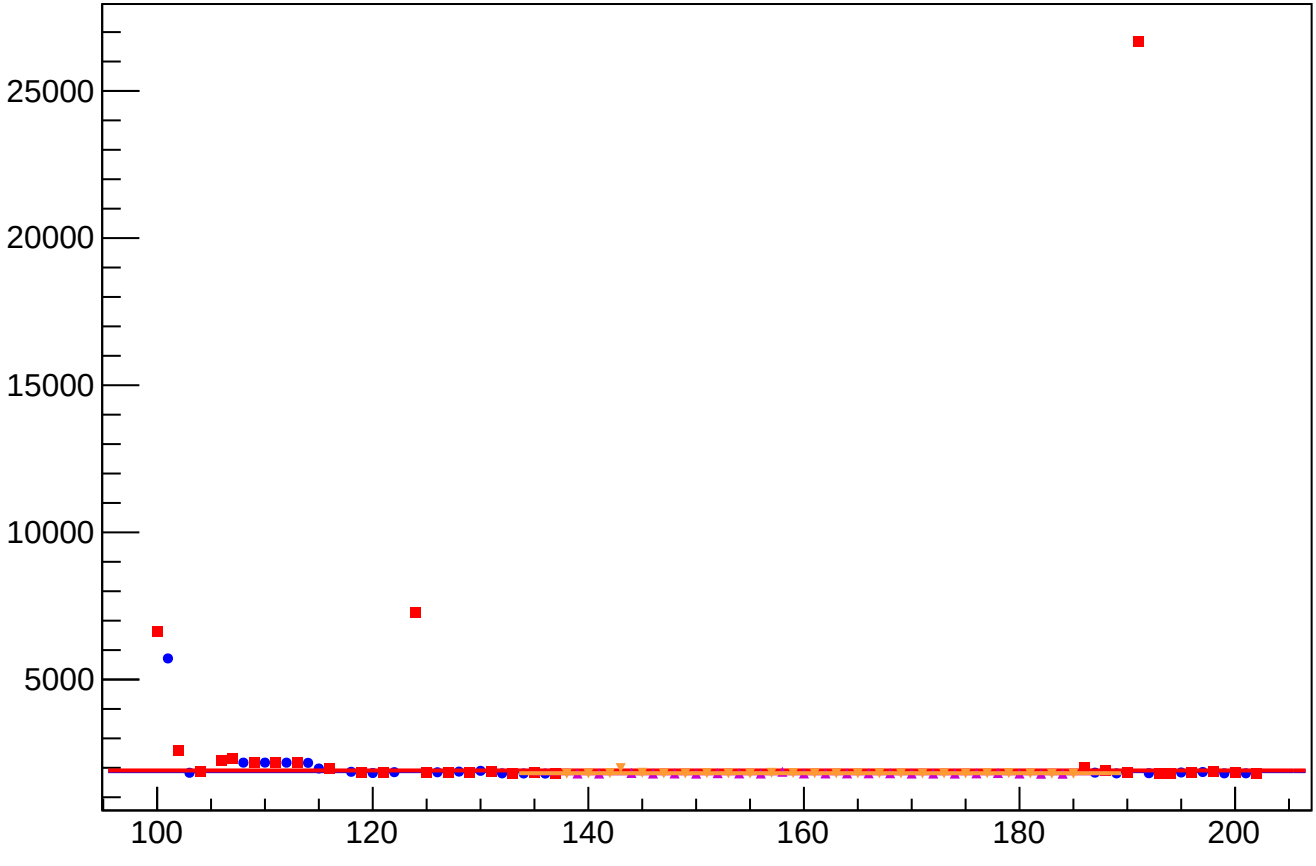
Right: 2083.947+/-372.211 χ^2/NDF: 49.2/51

In: 2081.991+/-334.046 χ^2/NDF:47.0/45

Out: 1981.482+/-320.997 χ^2/NDF:61.4/53

All: 2029.735+/-231.455 χ^2/NDF: 108.4/99

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1886.772+/-0.385 χ^2/NDF: 659712.4/22

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1910.228+/-0.361 χ^2/NDF: 730677.5/28

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

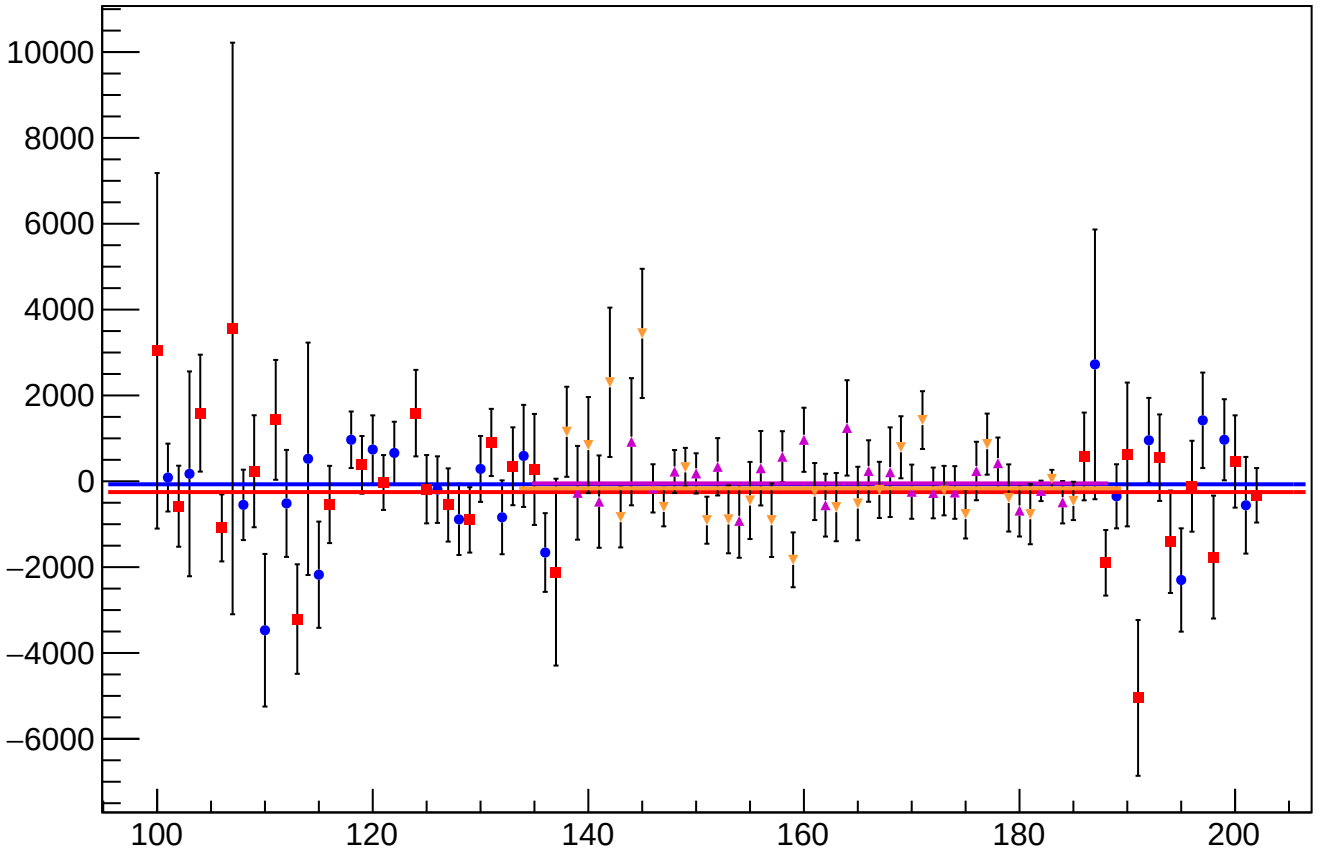
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1899.250+/-0.263 χ^2/NDF: 1392367.3/51

In: 1840.526+/-0.236 χ^2/NDF:684918.4/45

Out: 1854.203+/-0.227 χ^2/NDF:783519.1/53

All: 1847.637+/-0.164 χ^2/NDF: 1470180.9/99



Right In: -69.959+/-199.333 χ^2/NDF: 25.6/22

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -251.500+/-182.391 χ^2/NDF: 35.6/28

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

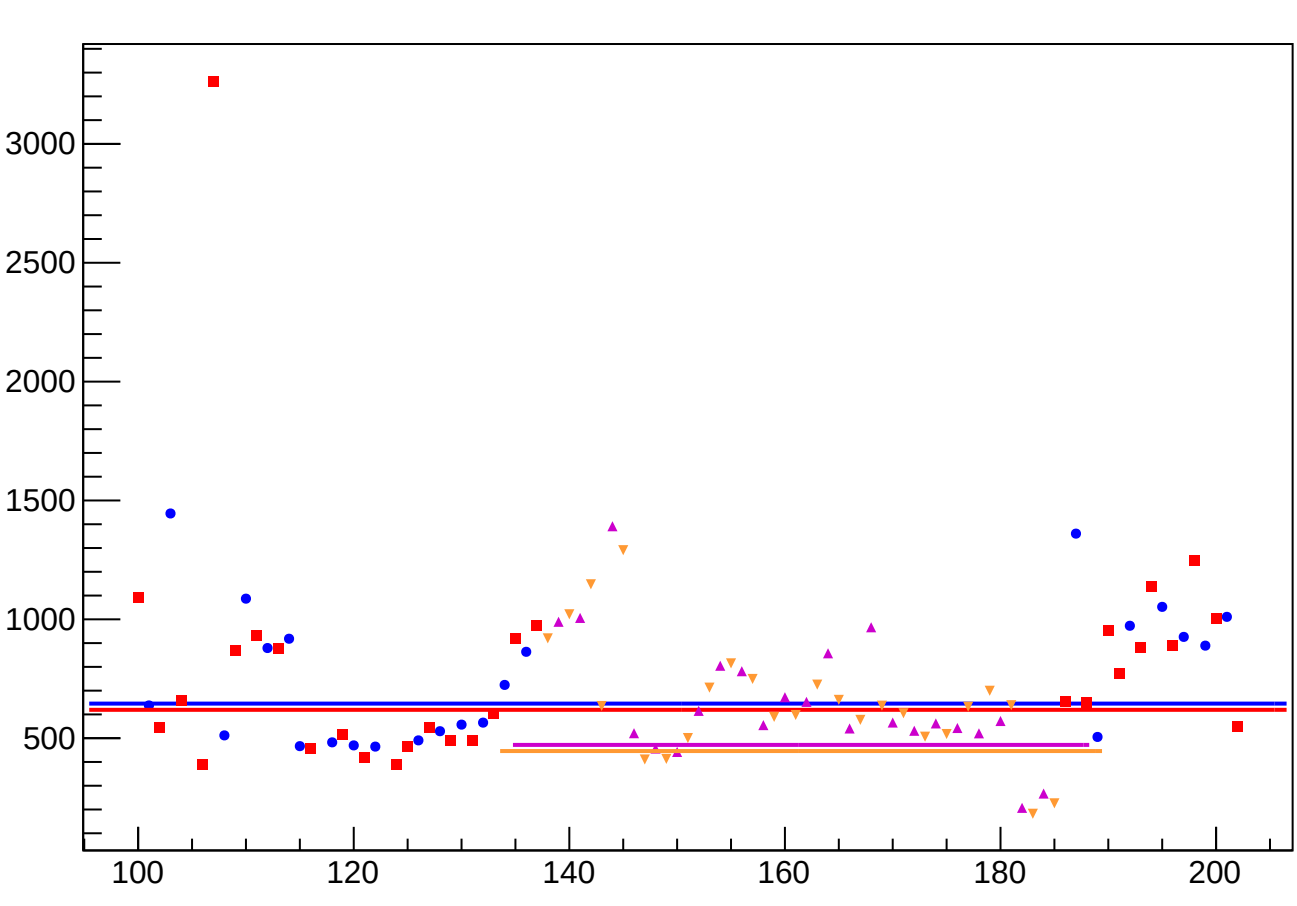
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -168.771+/-134.561 χ^2/NDF: 61.6/51

In: -54.983+/-104.487 χ^2/NDF:36.9/45

Out: -188.203+/-97.454 χ^2/NDF:72.6/53

All: -126.227+/-71.267 χ^2/NDF: 110.4/99



Right In: 645.505+/-0.141 χ^2/NDF: 2254778.0/22

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 619.320+/-0.129 χ^2/NDF: 2963595.4/28

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

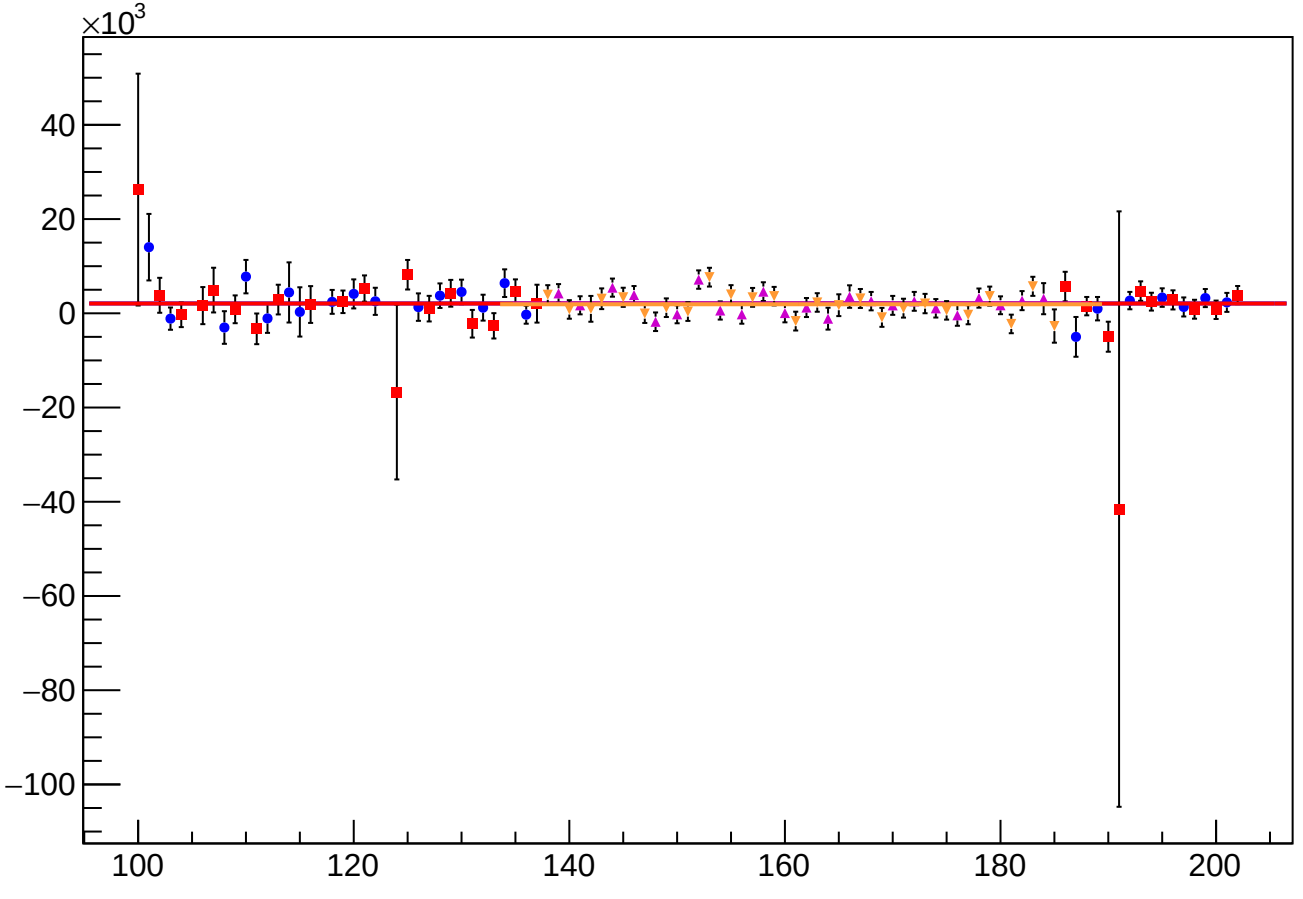
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 631.253+/-0.095 χ^2/NDF: 5237158.7/51

In: 519.497+/-0.074 χ^2/NDF:9770483.1/45

Out: 495.387+/-0.069 χ^2/NDF:12239858.4/53

All: 506.603+/-0.050 χ^2/NDF: 22067293.3/99



Right In: 2094.692+/-544.075 χ^2/NDF: 20.5/22

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2074.494+/-510.317 χ^2/NDF: 28.8/28

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

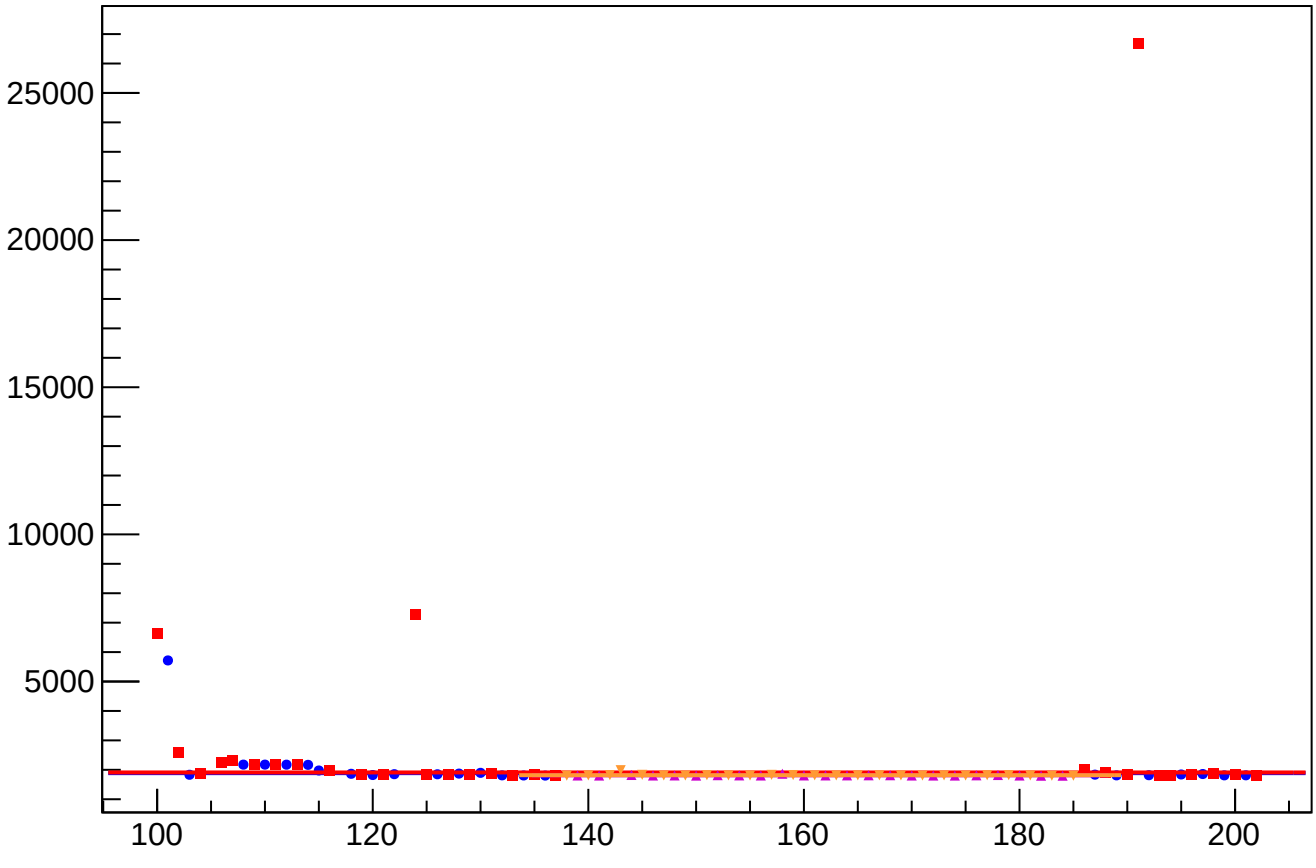
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2083.947+/-372.211 χ^2/NDF: 49.2/51

In: 2081.991+/-334.046 χ^2/NDF:47.0/45

Out: 1981.482+/-320.997 χ^2/NDF:61.4/53

All: 2029.735+/-231.455 χ^2/NDF: 108.4/99



Right In: 1886.772+/-0.385 χ^2/NDF: 659712.4/22

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1910.228+/-0.361 χ^2/NDF: 730677.5/28

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

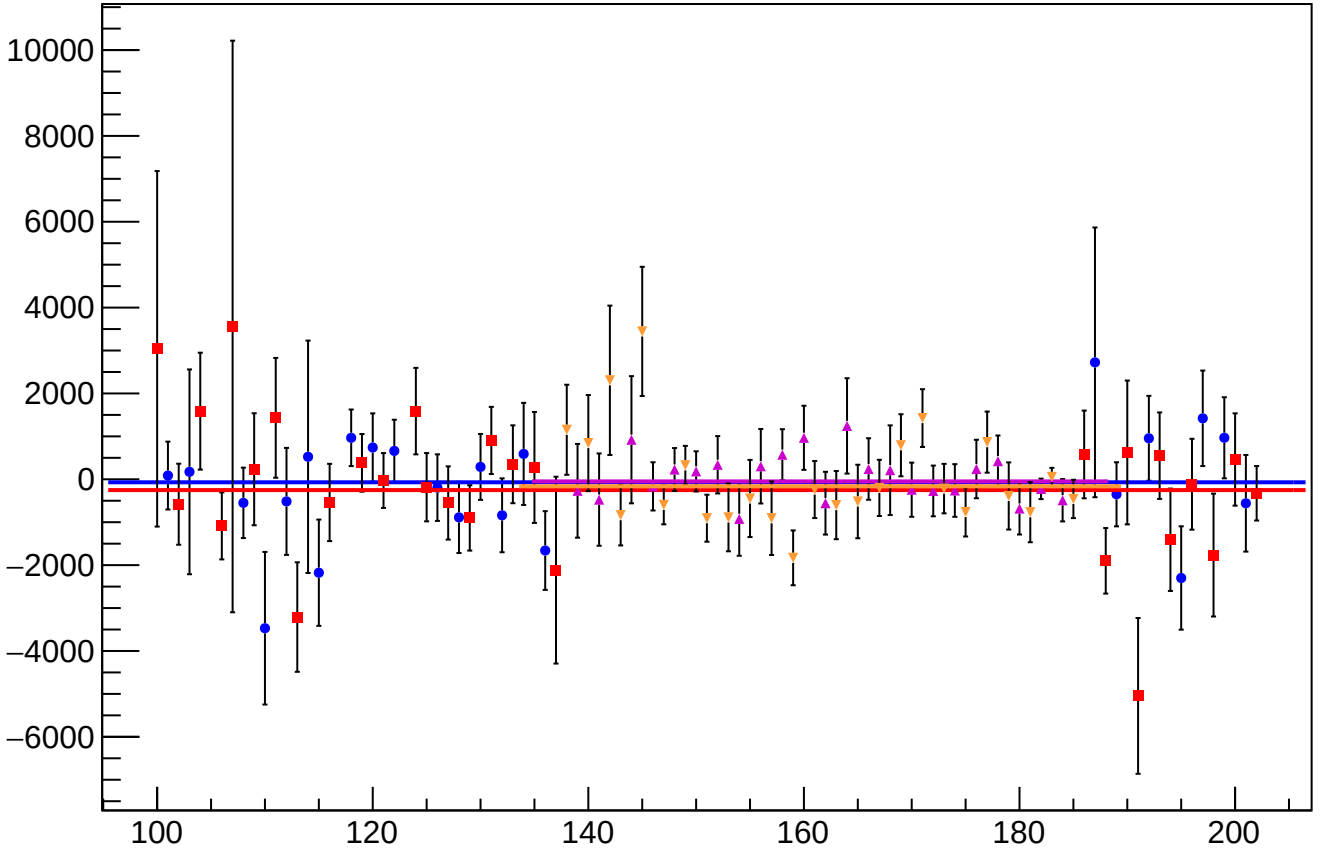
Right: 1899.250+/-0.263 χ^2/NDF: 1392367.3/51

In: 1840.526+/-0.236 χ^2/NDF:684918.4/45

Out: 1854.203+/-0.227 χ^2/NDF:783519.1/53

All: 1847.637+/-0.164 χ^2/NDF: 1470180.9/99

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -69.959+/-199.333 χ^2/NDF: 25.6/22

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -251.500+/-182.391 χ^2/NDF: 35.6/28

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

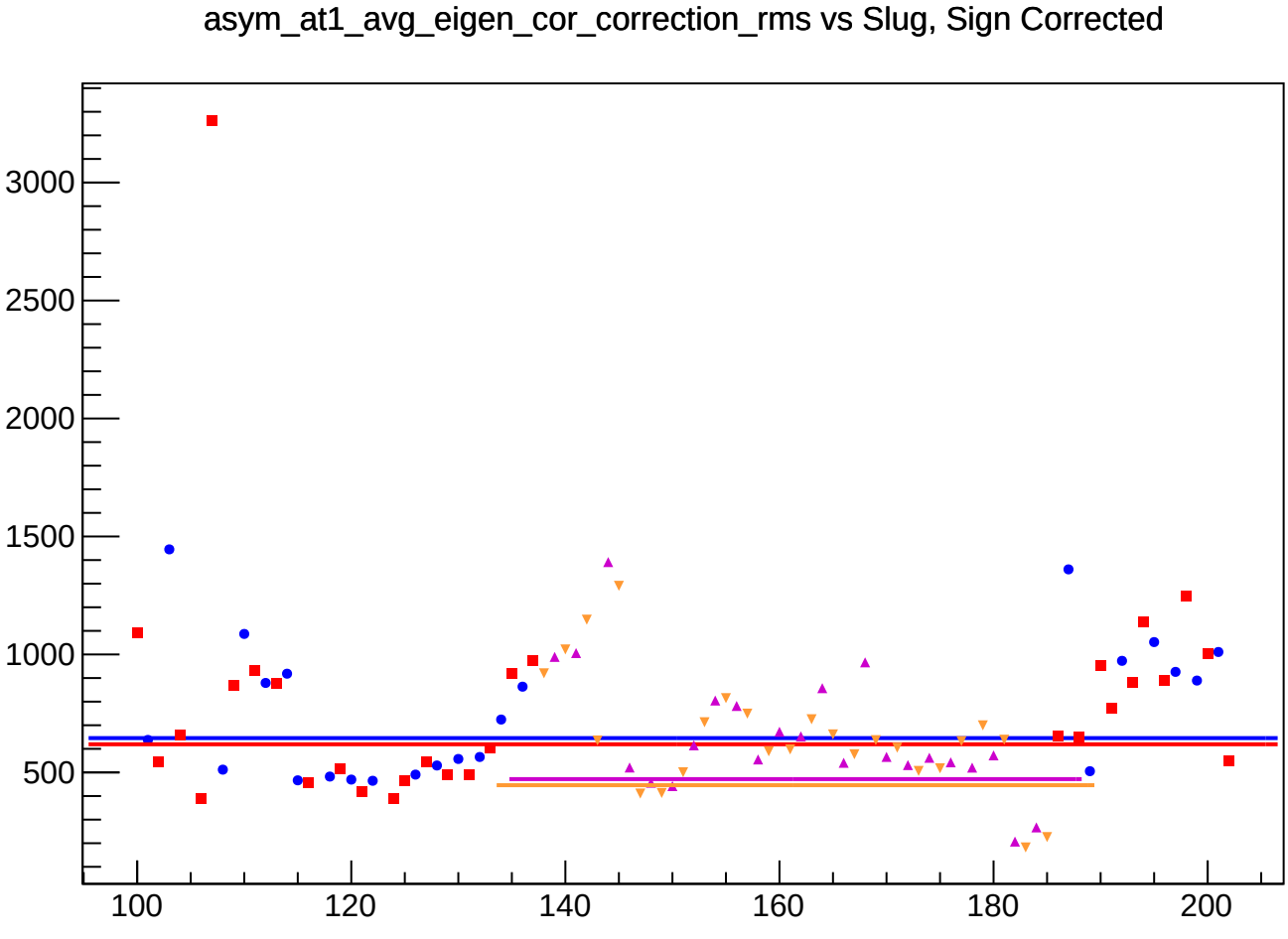
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

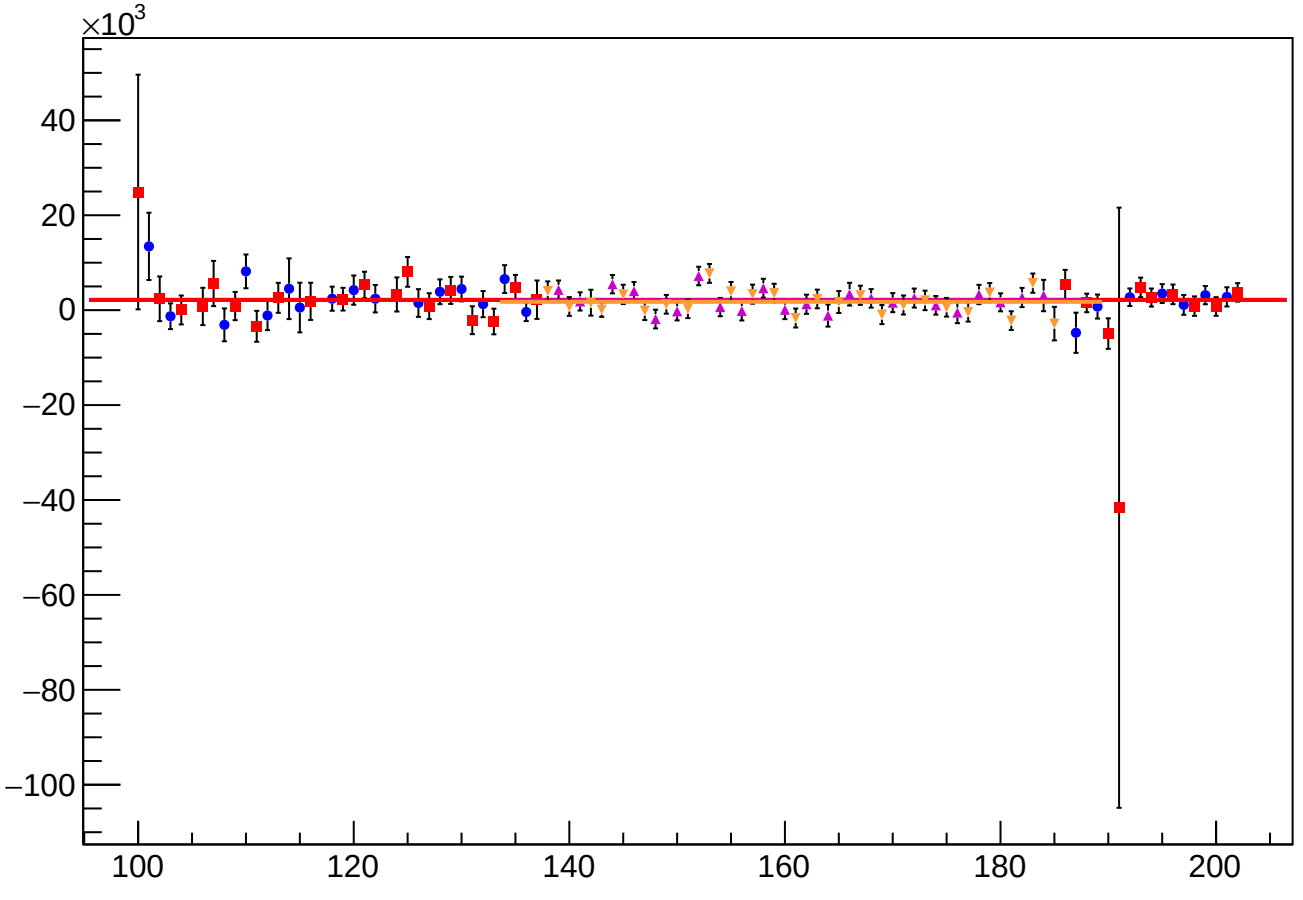
Right: -168.771+/-134.561 χ^2/NDF: 61.6/51

In: -54.983+/-104.487 χ^2/NDF:36.9/45

Out: -188.203+/-97.454 χ^2/NDF:72.6/53

All: -126.227+/-71.267 χ^2/NDF: 110.4/99


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 645.505+/-0.141 χ²/NDF: 2254778.0/22
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 619.320+/-0.129 χ²/NDF: 2963595.4/28
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 631.253+/-0.095 χ²/NDF: 5237158.7/51
In: 519.497+/-0.074 χ²/NDF:9770483.1/45
Out: 495.387+/-0.069 χ²/NDF:12239858.4/53
All: 506.603+/-0.050 χ²/NDF: 22067293.3/99



Right In: 2169.647+/-550.597 χ^2/NDF: 20.7/22

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2145.312+/-512.561 χ^2/NDF: 26.9/28

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

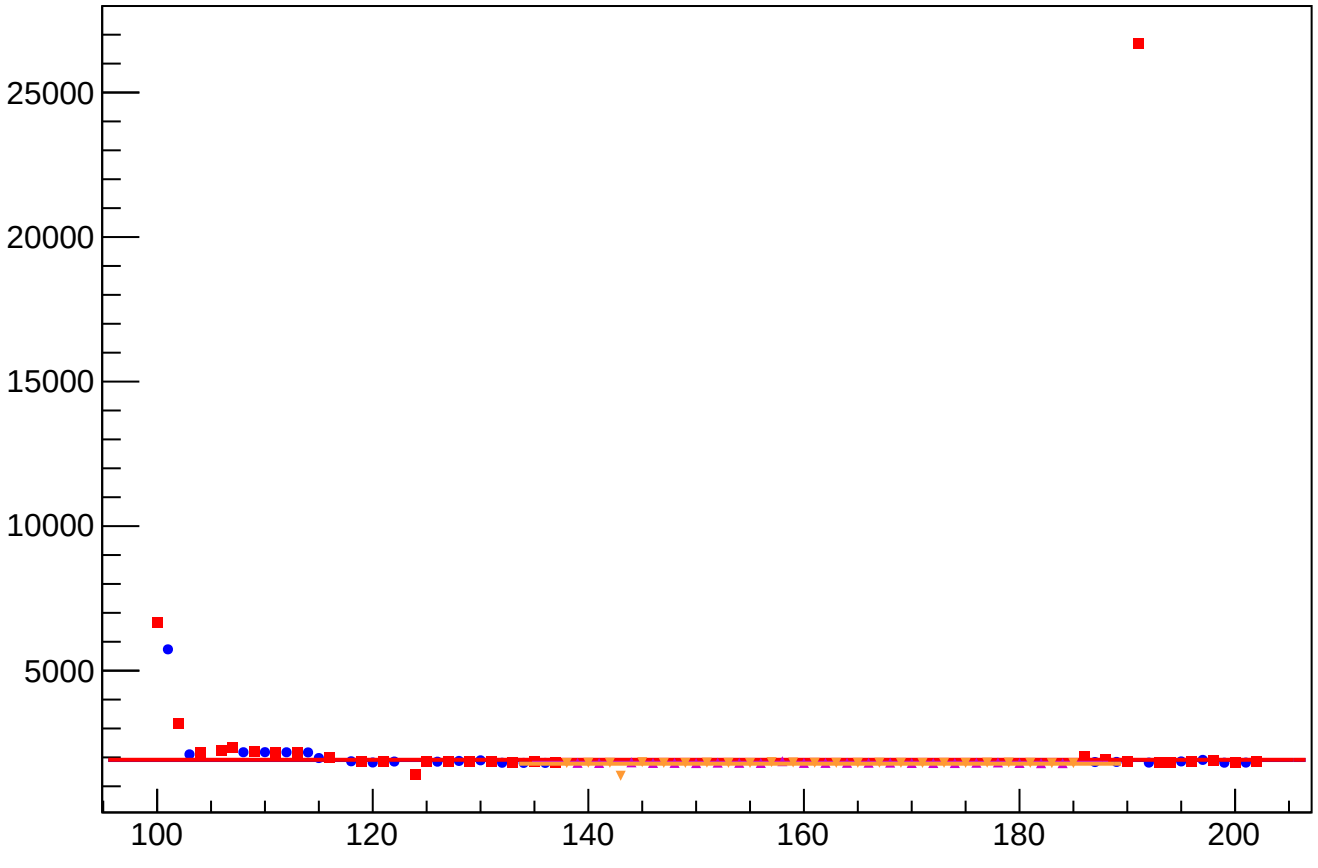
Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

Right: 2156.610+/-375.162 χ^2/NDF: 47.5/51

In: 2109.217+/-335.760 χ^2/NDF:47.7/45

Out: 1905.508+/-317.967 χ^2/NDF:61.0/53

All: 2001.822+/-230.871 χ^2/NDF: 108.9/99



Right In: 1908.799+/-0.389 χ^2/NDF: 667147.1/22

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1917.227+/-0.362 χ^2/NDF: 686094.3/28

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

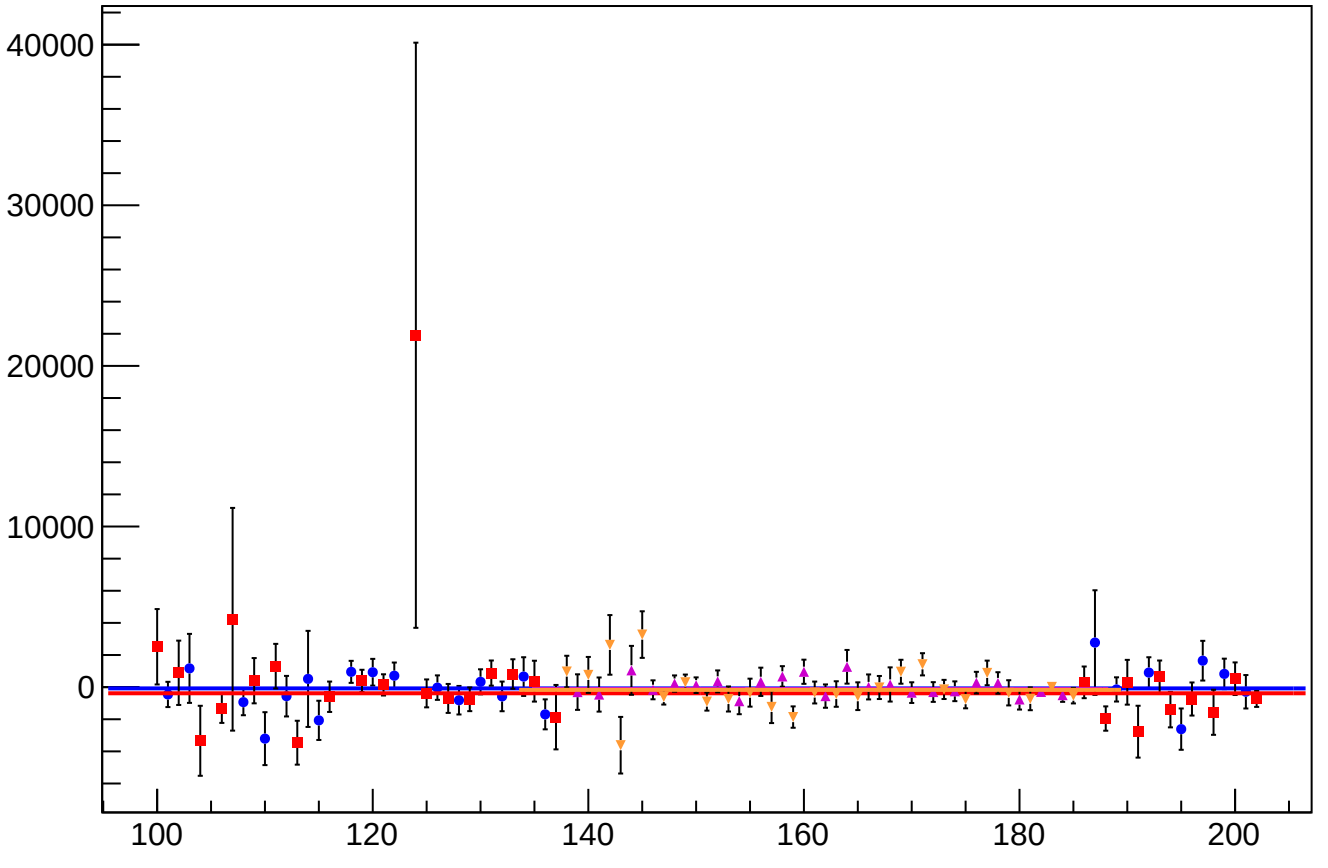
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1913.314+/-0.265 χ^2/NDF: 1353492.5/51

In: 1849.526+/-0.237 χ^2/NDF:706142.1/45

Out: 1833.371+/-0.225 χ^2/NDF:938049.7/53

All: 1841.009+/-0.163 χ^2/NDF: 1646632.6/99



Right In: -78.655+/-203.863 χ^2/NDF: 26.0/22

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -382.371+/-185.963 χ^2/NDF: 32.2/28

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

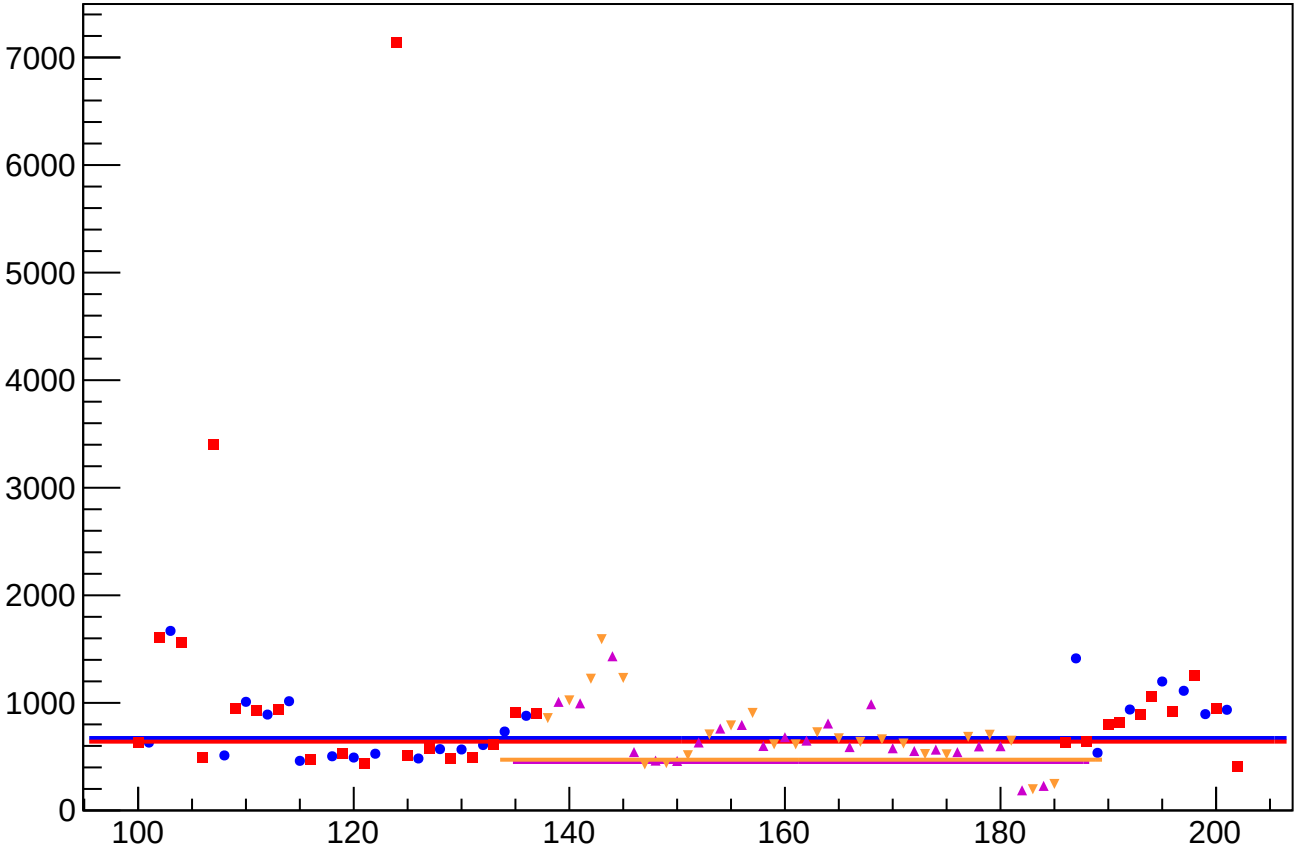
Right: -244.429+/-137.389 χ^2/NDF: 59.5/51

In: -107.317+/-103.268 χ^2/NDF:38.3/45

Out: -232.164+/-101.790 χ^2/NDF:71.5/53

All: -170.640+/-72.493 χ^2/NDF: 110.6/99

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 673.402+/-0.144 χ^2/NDF: 2474059.3/22

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 639.716+/-0.131 χ^2/NDF: 3992965.5/28

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

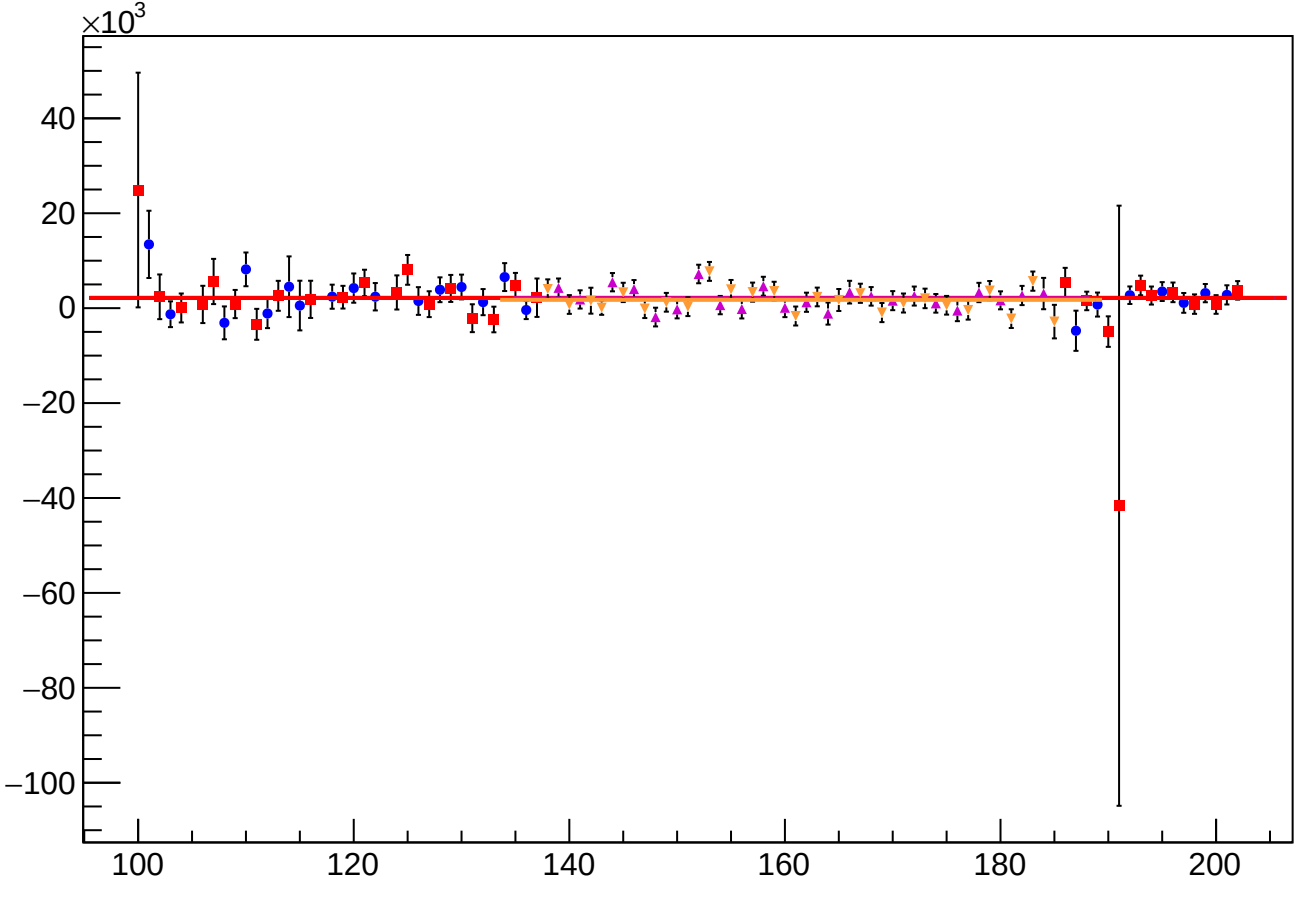
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 655.015+/-0.097 χ^2/NDF: 6496831.6/51

In: 507.809+/-0.073 χ^2/NDF:12177451.7/45

Out: 522.093+/-0.072 χ^2/NDF:13248034.6/53

All: 515.054+/-0.051 χ^2/NDF: 25444893.7/99



Right In: 2169.646+/-550.597 χ^2/NDF: 20.7/22

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2145.310+/-512.561 χ^2/NDF: 26.9/28

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

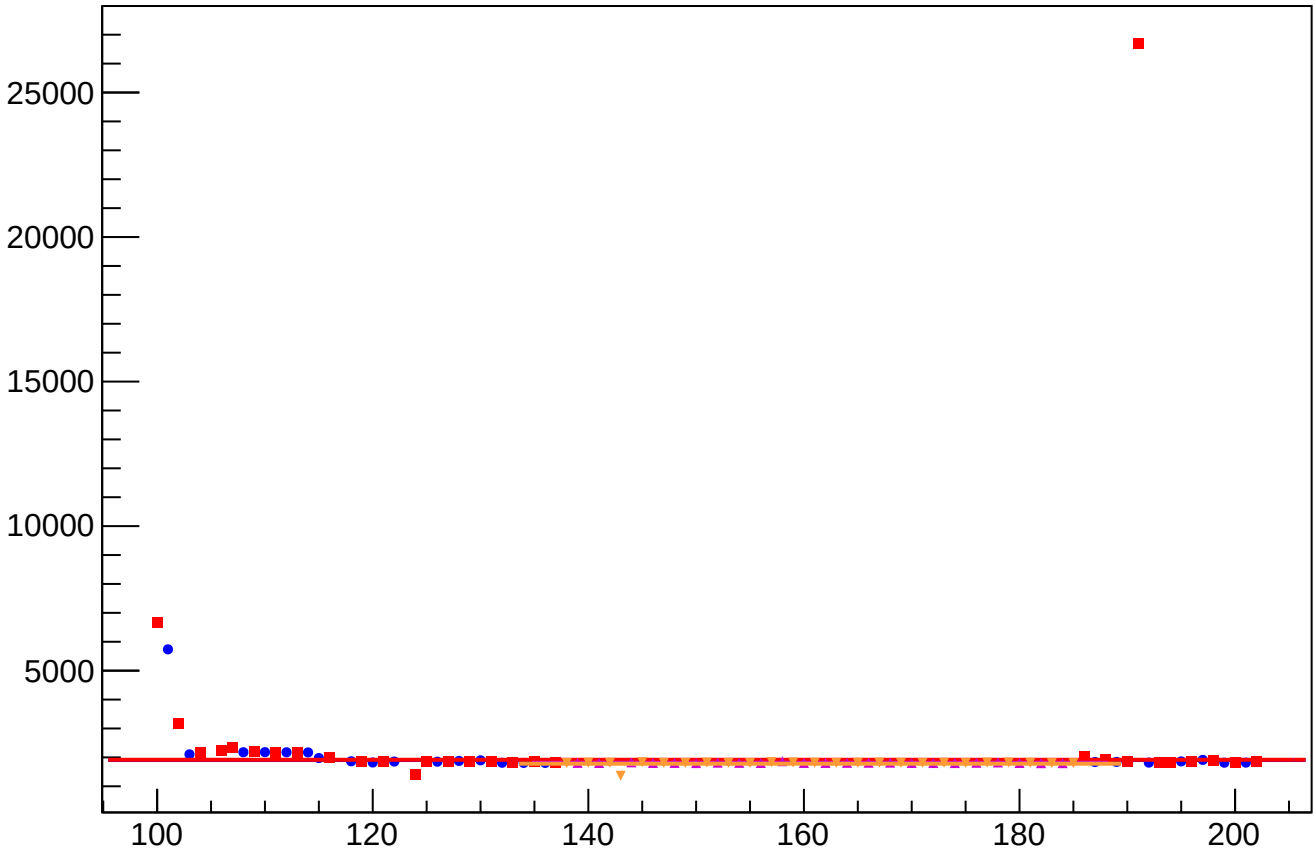
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2156.609+/-375.162 χ^2/NDF: 47.5/51

In: 2109.217+/-335.760 χ^2/NDF:47.7/45

Out: 1905.508+/-317.967 χ^2/NDF:61.0/53

All: 2001.822+/-230.871 χ^2/NDF: 108.9/99



Right In: 1908.799+/-0.389 χ^2/NDF: 667146.7/22

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1917.227+/-0.362 χ^2/NDF: 686093.0/28

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

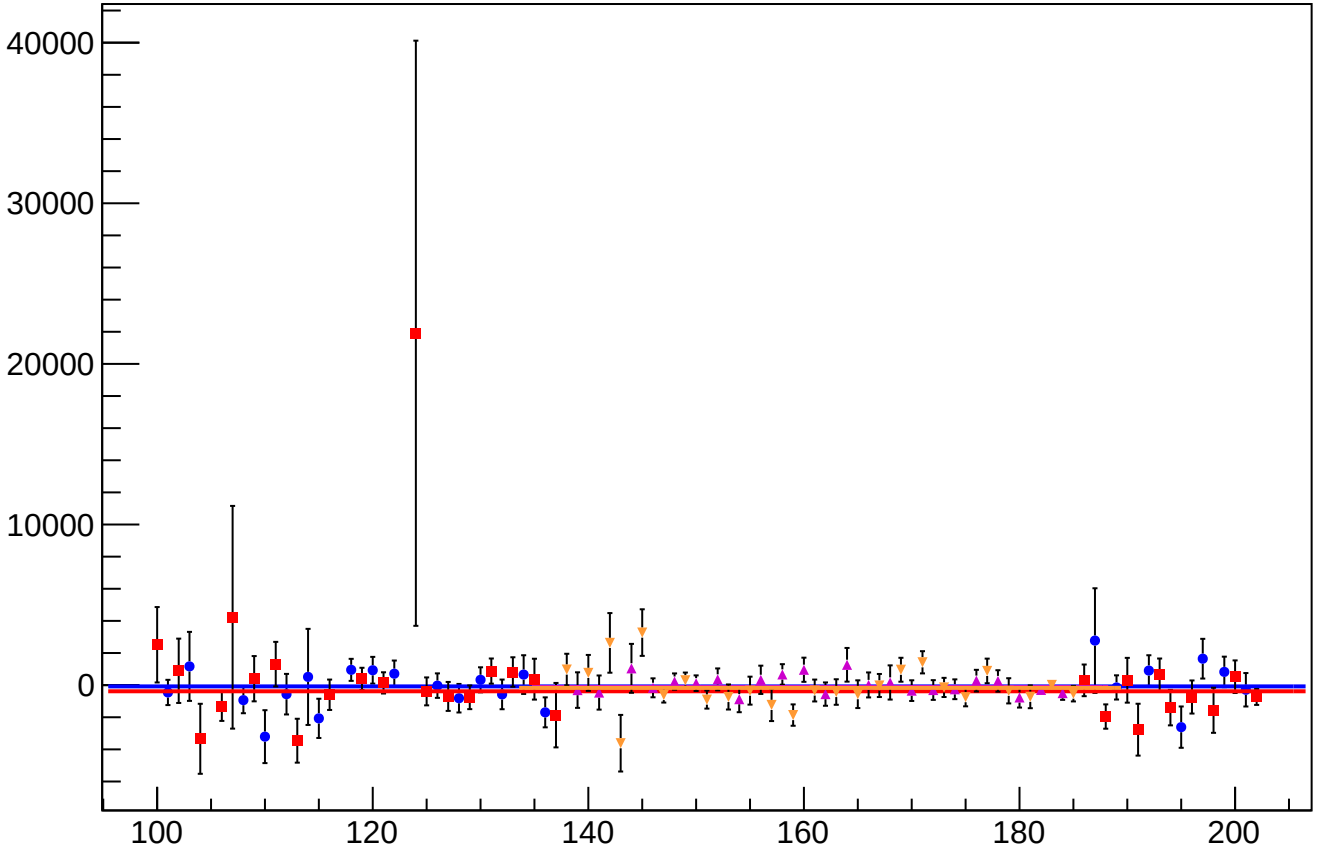
Right: 1913.314+/-0.265 χ^2/NDF: 1353490.7/51

In: 1849.526+/-0.237 χ^2/NDF:706141.6/45

Out: 1833.371+/-0.225 χ^2/NDF:938048.1/53

All: 1841.009+/-0.163 χ^2/NDF: 1646630.5/99

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -78.655+/-203.863 χ^2/NDF: 26.0/22

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -382.371+/-185.963 χ^2/NDF: 32.2/28

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

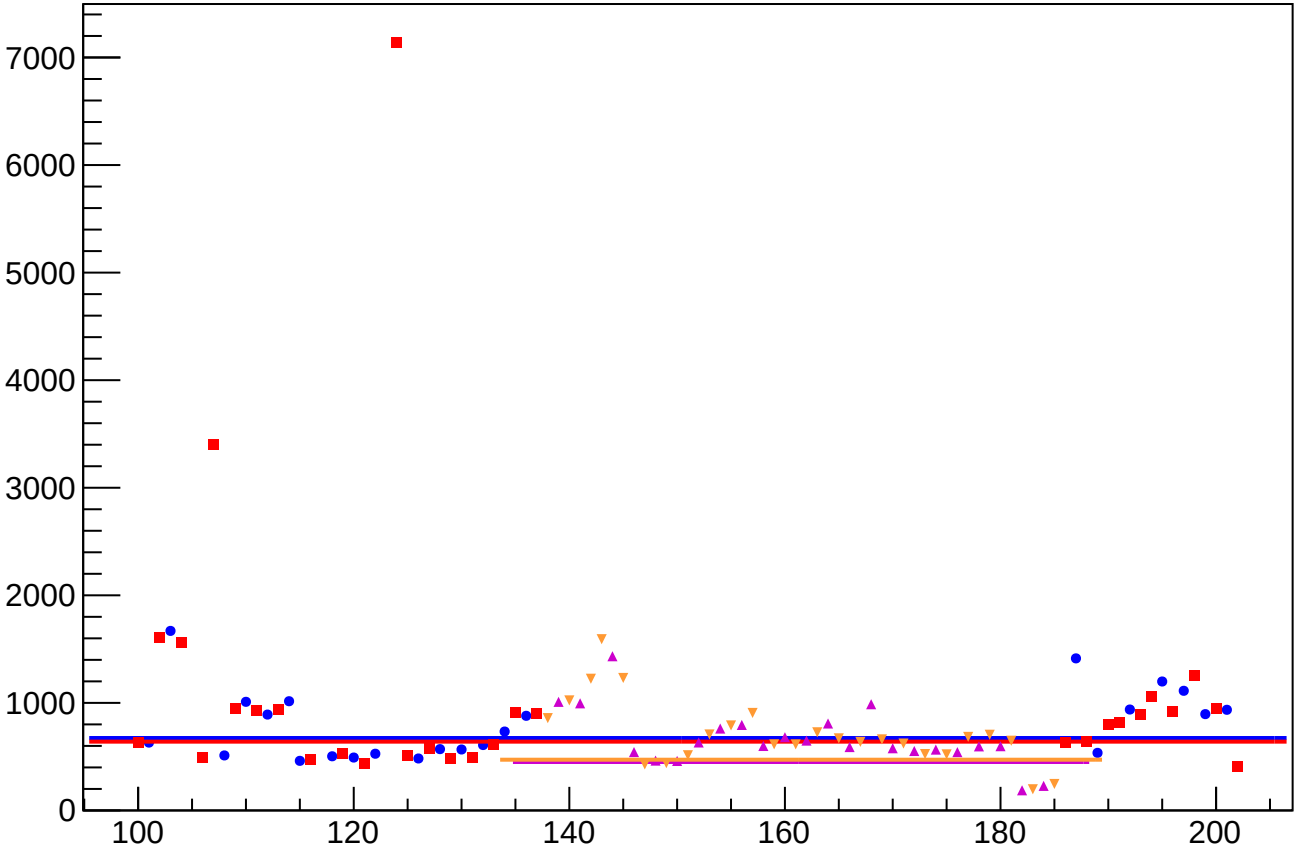
Right: -244.429+/-137.389 χ^2/NDF: 59.5/51

In: -107.318+/-103.268 χ^2/NDF:38.3/45

Out: -232.164+/-101.790 χ^2/NDF:71.5/53

All: -170.641+/-72.493 χ^2/NDF: 110.6/99

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 673.402+/-0.144 χ^2/NDF: 2474076.6/22

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 639.716+/-0.131 χ^2/NDF: 3992971.7/28

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

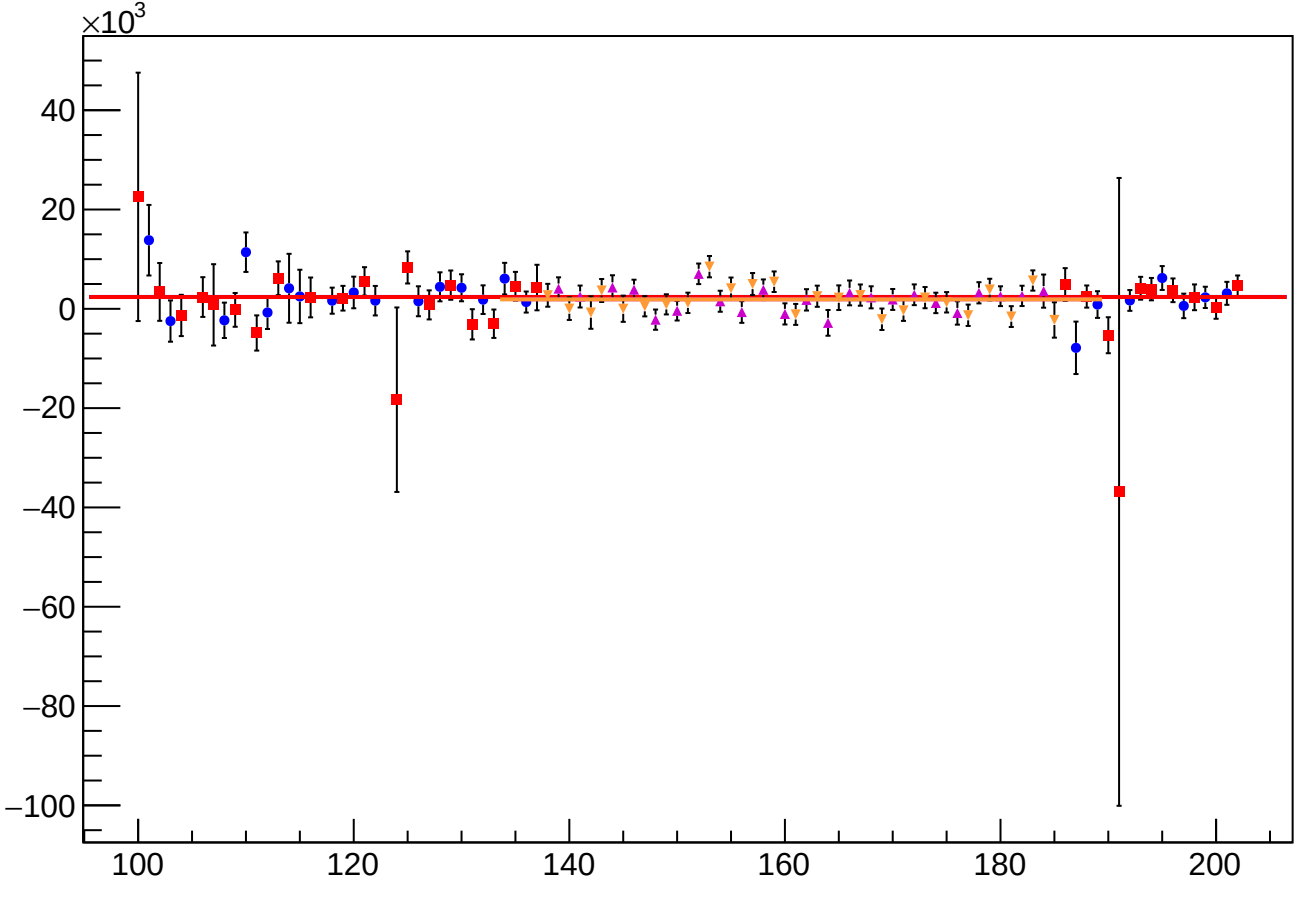
Right: 655.015+/-0.097 χ^2/NDF: 6496853.8/51

In: 507.810+/-0.073 χ^2/NDF:12177428.1/45

Out: 522.094+/-0.072 χ^2/NDF:13248029.8/53

All: 515.055+/-0.051 χ^2/NDF: 25444864.9/99

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2391.440+/-611.991 χ^2/NDF: 22.0/22

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2376.227+/-577.538 χ^2/NDF: 30.8/28

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

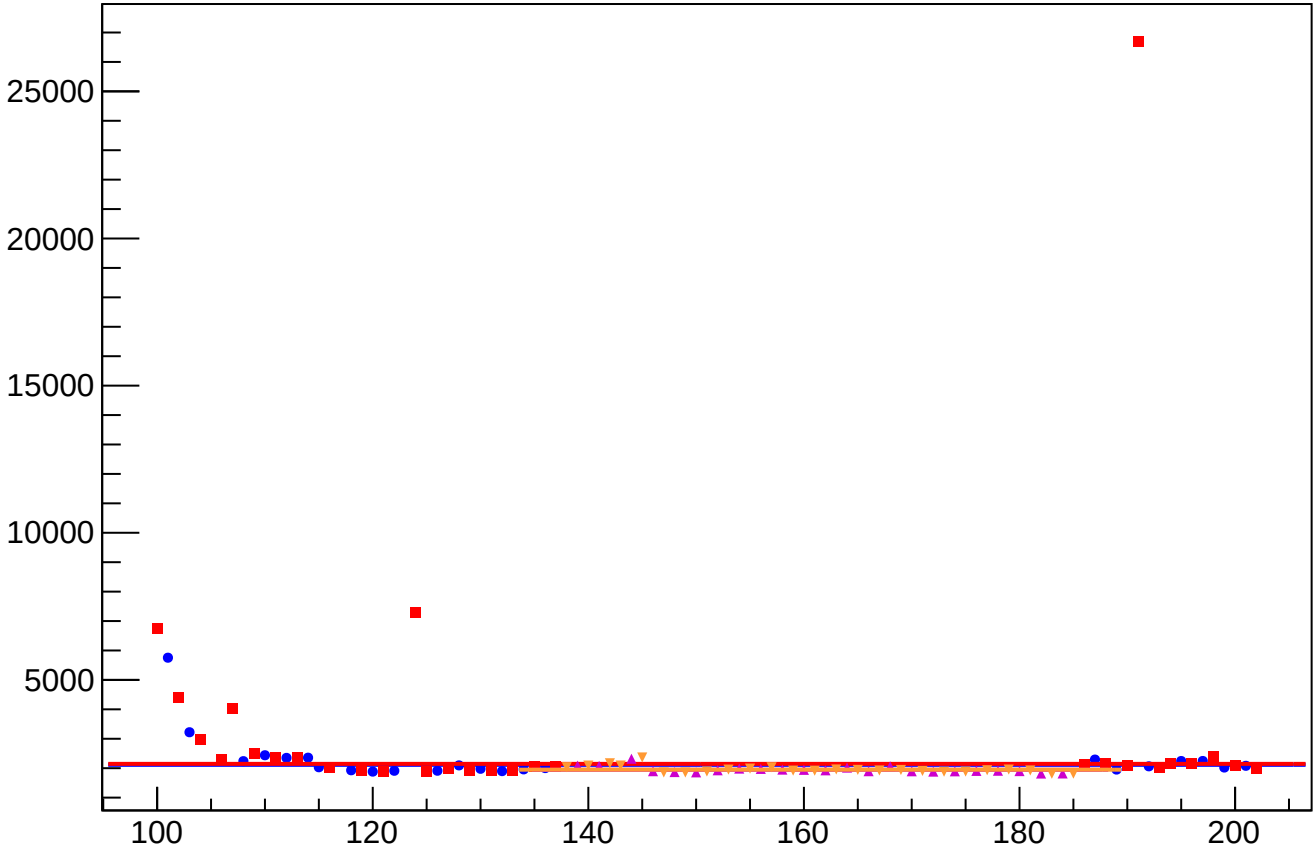
Right: 2383.393+/-420.033 χ^2/NDF: 52.8/51

In: 2091.999+/-365.078 χ^2/NDF:47.1/45

Out: 2081.302+/-351.764 χ^2/NDF:67.5/53

All: 2086.452+/-253.311 χ^2/NDF: 114.6/99

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2114.253+/-0.433 χ^2/NDF: 786183.5/22

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2146.761+/-0.408 χ^2/NDF: 1167682.1/28

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

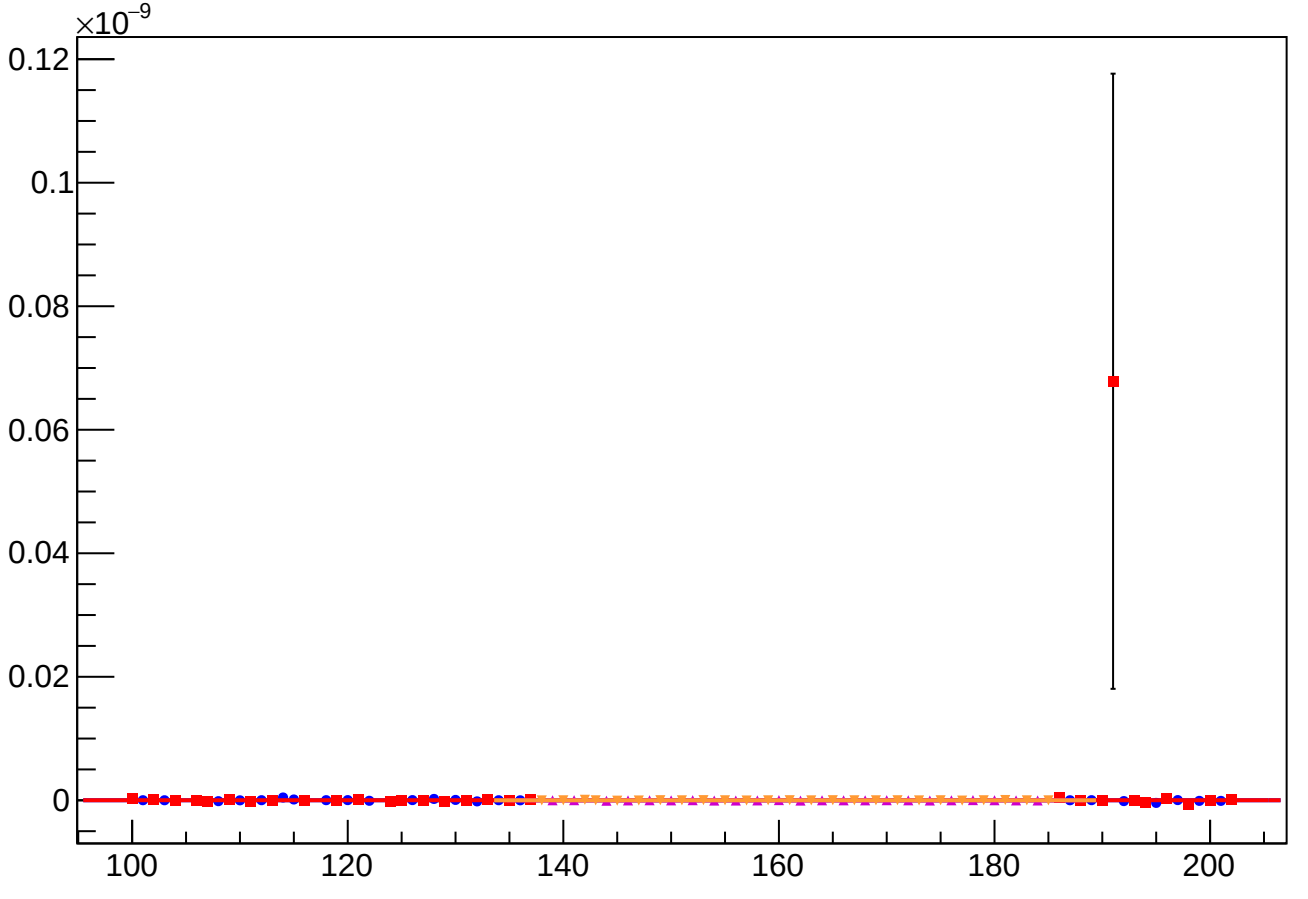
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2131.448+/-0.297 χ^2/NDF: 1956850.4/51

In: 2005.316+/-0.258 χ^2/NDF:980519.7/45

Out: 2022.365+/-0.249 χ^2/NDF:1423713.4/53

All: 2014.157+/-0.179 χ^2/NDF: 2406494.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/28

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

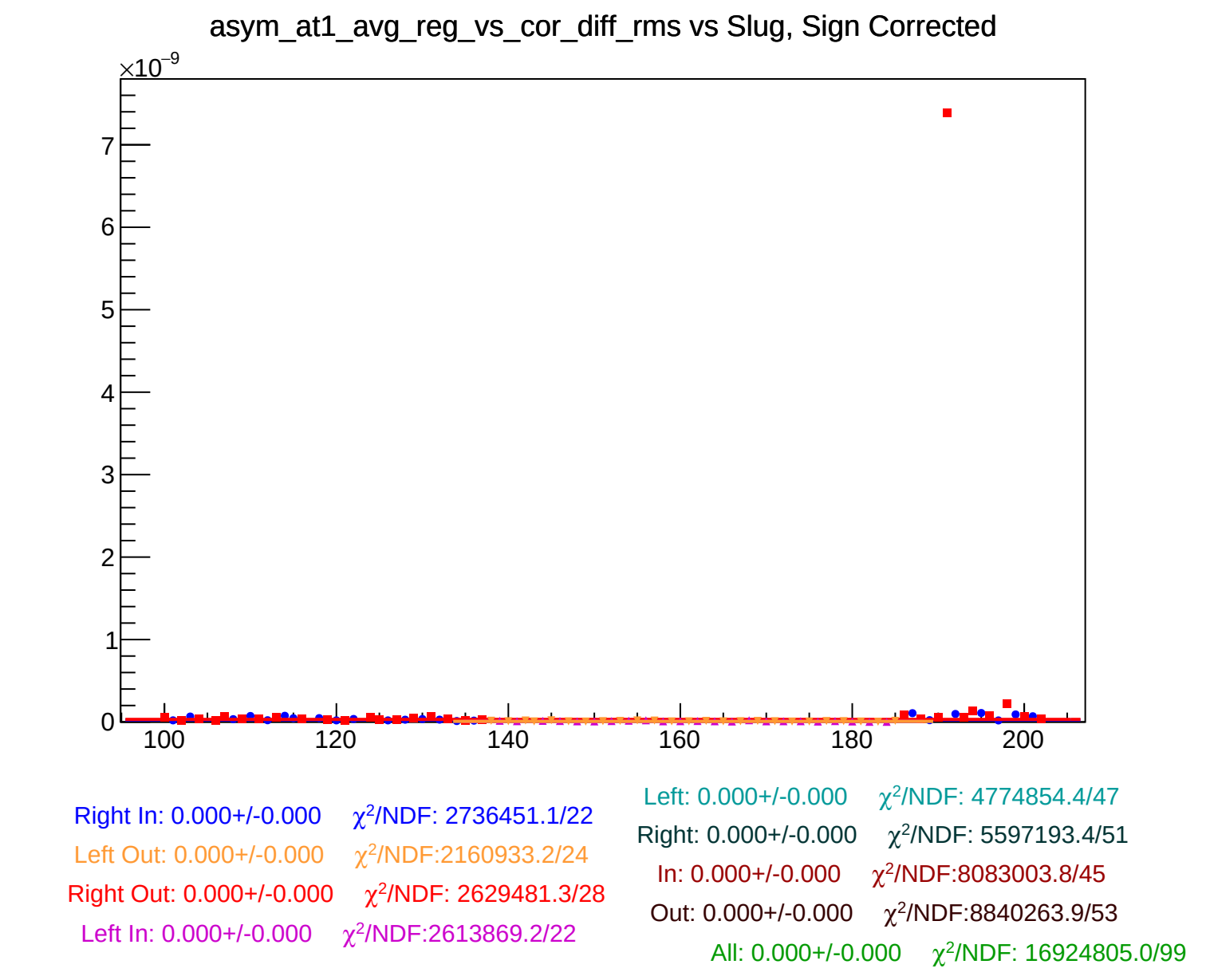
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 53.7/51

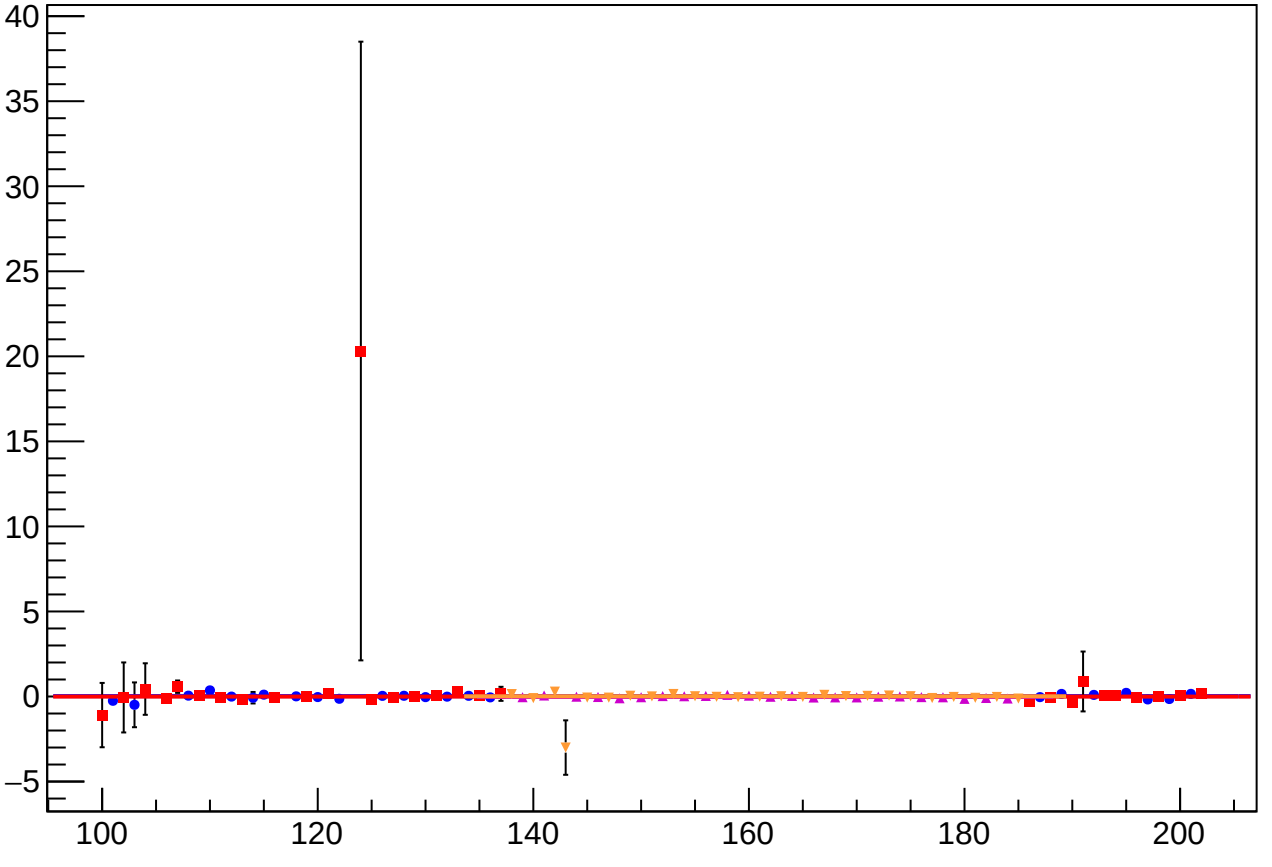
In: -0.000+/-0.000 χ^2/NDF:55.6/45

Out: 0.000+/-0.000 χ^2/NDF:59.3/53

All: -0.000+/-0.000 χ^2/NDF: 115.5/99


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
Right In: 0.000+/-0.000 χ²/NDF: 2736451.1/22
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 2629481.3/28
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: 5597193.4/51
In: 0.000+/-0.000 χ²/NDF:8083003.8/45
Out: 0.000+/-0.000 χ²/NDF:8840263.9/53
All: 0.000+/-0.000 χ²/NDF: 16924805.0/99

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.023 χ^2/NDF: 19.9/22

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.022 χ^2/NDF: 26.8/28

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

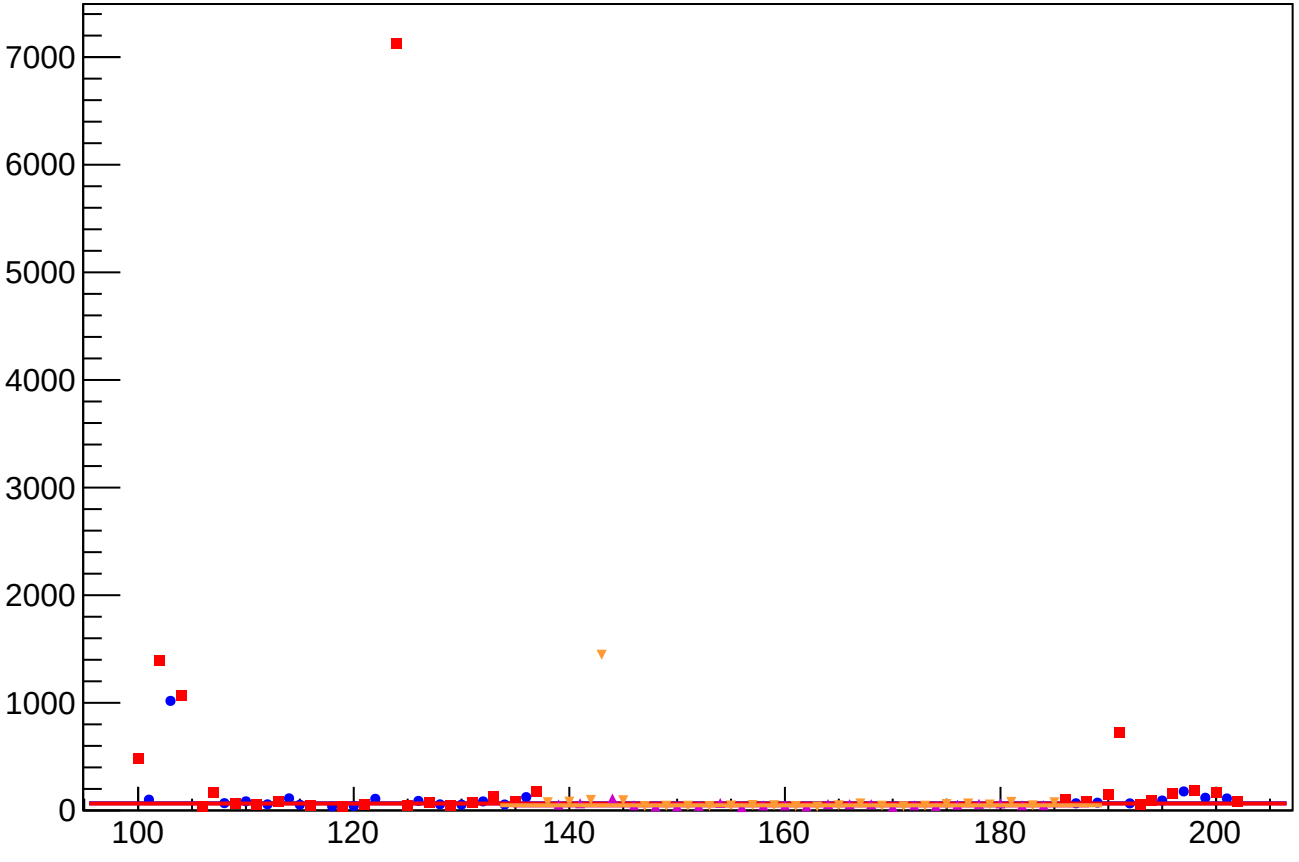
Right: 0.008+/-0.016 χ^2/NDF: 47.4/51

In: -0.009+/-0.011 χ^2/NDF:42.6/45

Out: 0.007+/-0.011 χ^2/NDF:56.8/53

All: -0.001+/-0.008 χ^2/NDF: 100.6/99

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.685+/-0.016 χ^2/NDF: 3763329.2/22

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.206+/-0.015 χ^2/NDF: 6174471.8/28

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

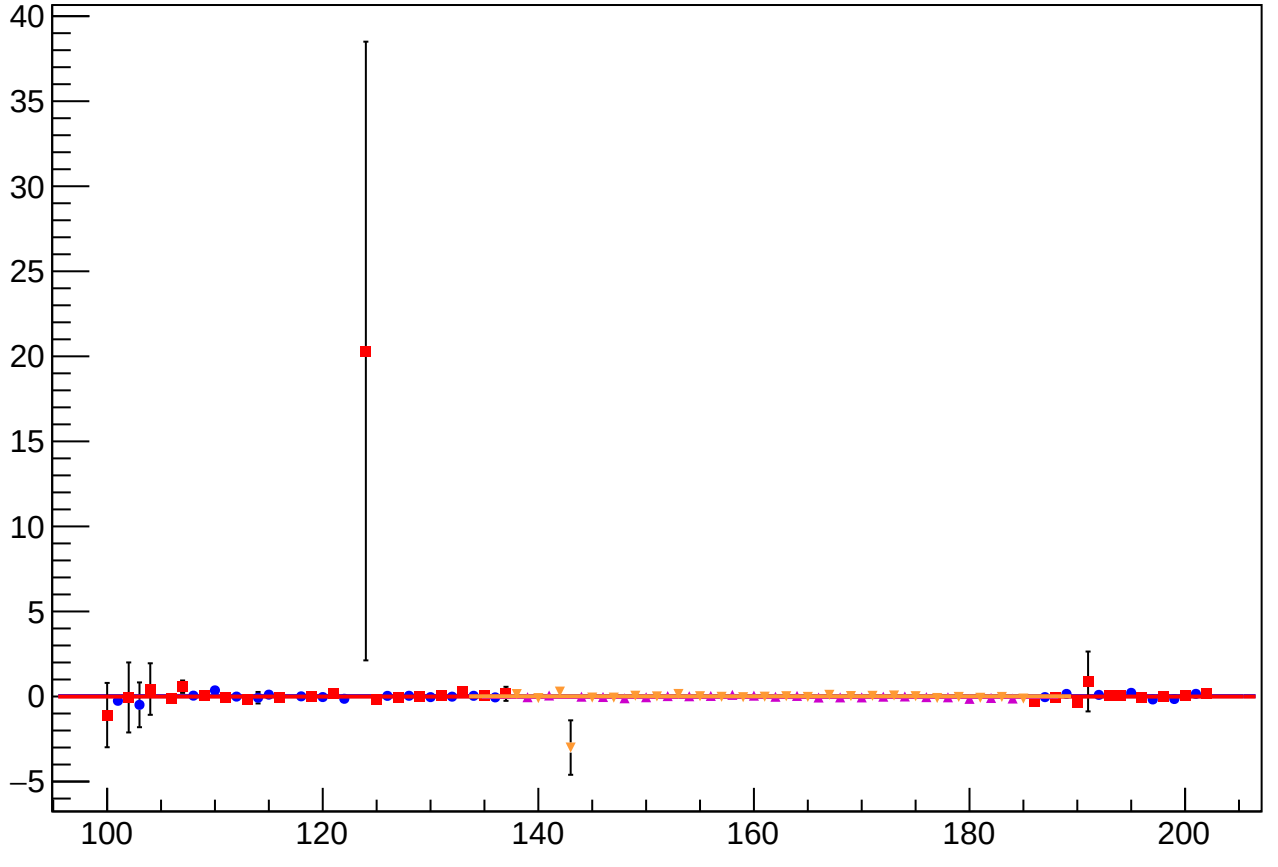
Right: 65.375+/-0.011 χ^2/NDF: 9950065.2/51

In: 51.184+/-0.008 χ^2/NDF:6878429.3/45

Out: 51.926+/-0.008 χ^2/NDF:10518914.1/53

All: 51.556+/-0.005 χ^2/NDF: 17402057.2/99

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.023 χ^2/NDF: 19.9/22

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.022 χ^2/NDF: 26.8/28

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

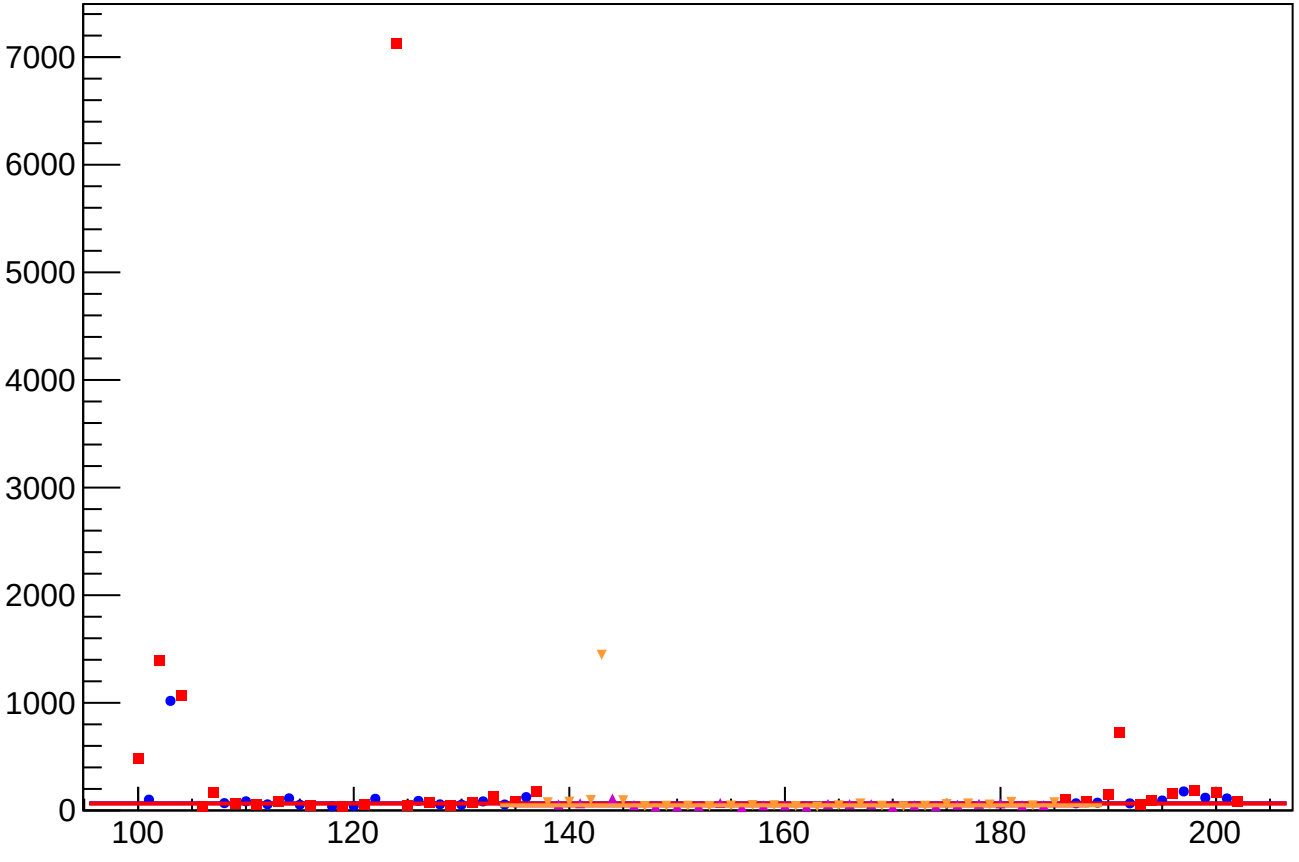
Right: 0.008+/-0.016 χ^2/NDF: 47.4/51

In: -0.009+/-0.011 χ^2/NDF:42.6/45

Out: 0.007+/-0.011 χ^2/NDF:56.8/53

All: -0.001+/-0.008 χ^2/NDF: 100.6/99

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.685+/-0.016 χ^2/NDF: 3763329.2/22

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.206+/-0.015 χ^2/NDF: 6174471.8/28

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

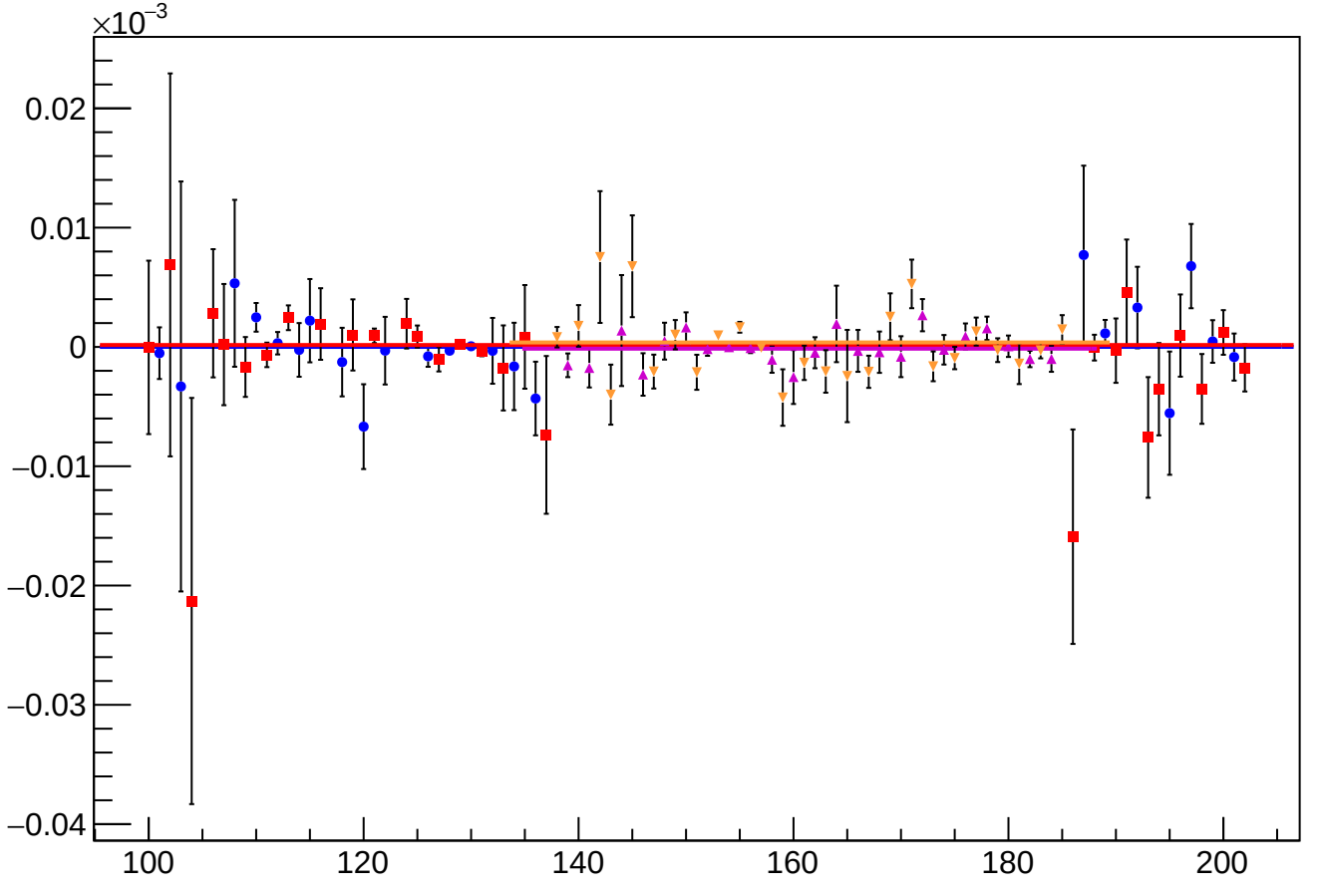
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 65.375+/-0.011 χ^2/NDF: 9950065.2/51

In: 51.184+/-0.008 χ^2/NDF:6878429.3/45

Out: 51.926+/-0.008 χ^2/NDF:10518914.1/53

All: 51.556+/-0.005 χ^2/NDF: 17402057.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/28

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

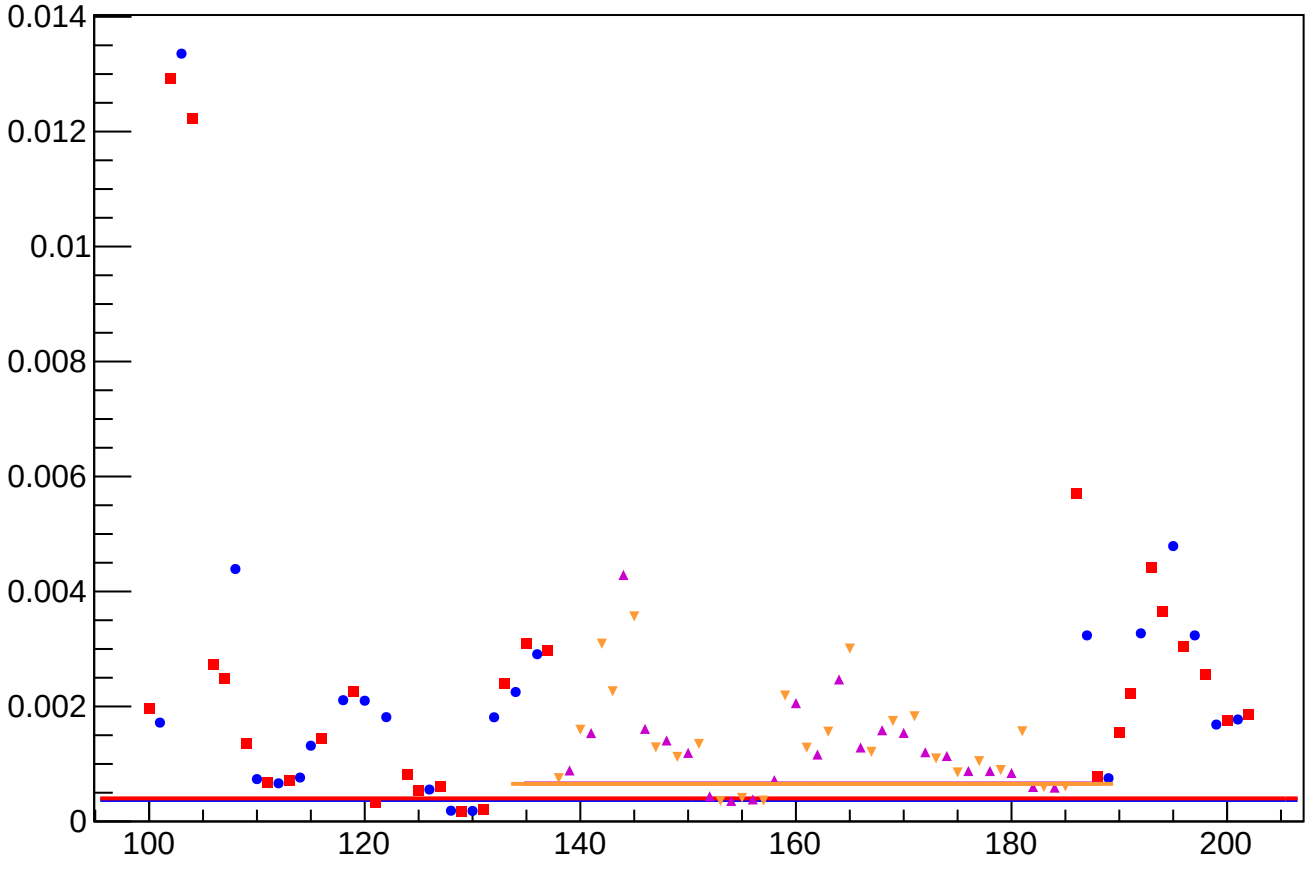
Right: 0.000+/-0.000 χ^2/NDF: 47.4/51

In: -0.000+/-0.000 χ^2/NDF:41.2/45

Out: 0.000+/-0.000 χ^2/NDF:78.5/53

All: 0.000+/-0.000 χ^2/NDF: 123.0/99

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15801093.1/22

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17092238.6/28

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

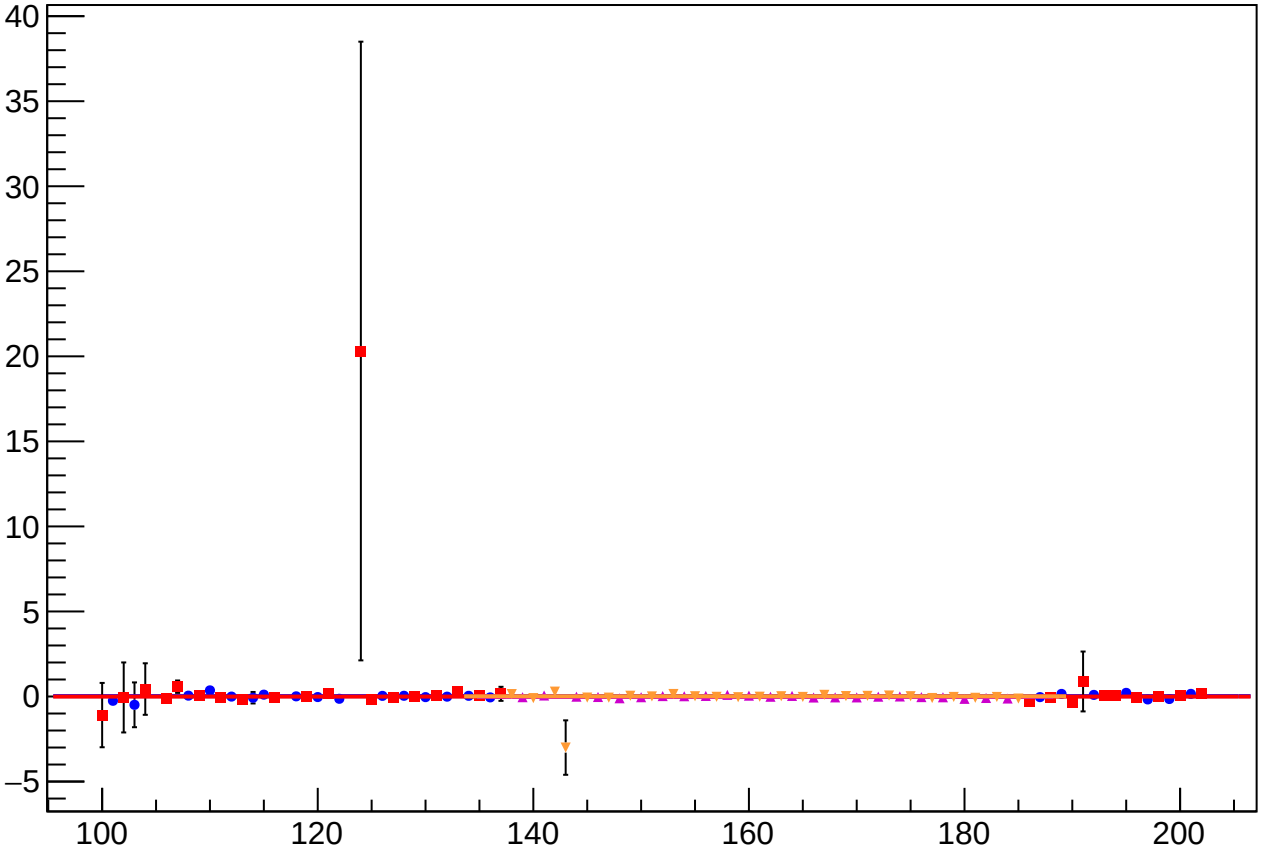
Right: 0.000+/-0.000 χ^2/NDF: 32913616.4/51

In: 0.001+/-0.000 χ^2/NDF:27820314.7/45

Out: 0.001+/-0.000 χ^2/NDF:31055549.5/53

All: 0.001+/-0.000 χ^2/NDF: 58884551.3/99

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.023 χ^2/NDF: 19.9/22

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.022 χ^2/NDF: 26.8/28

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

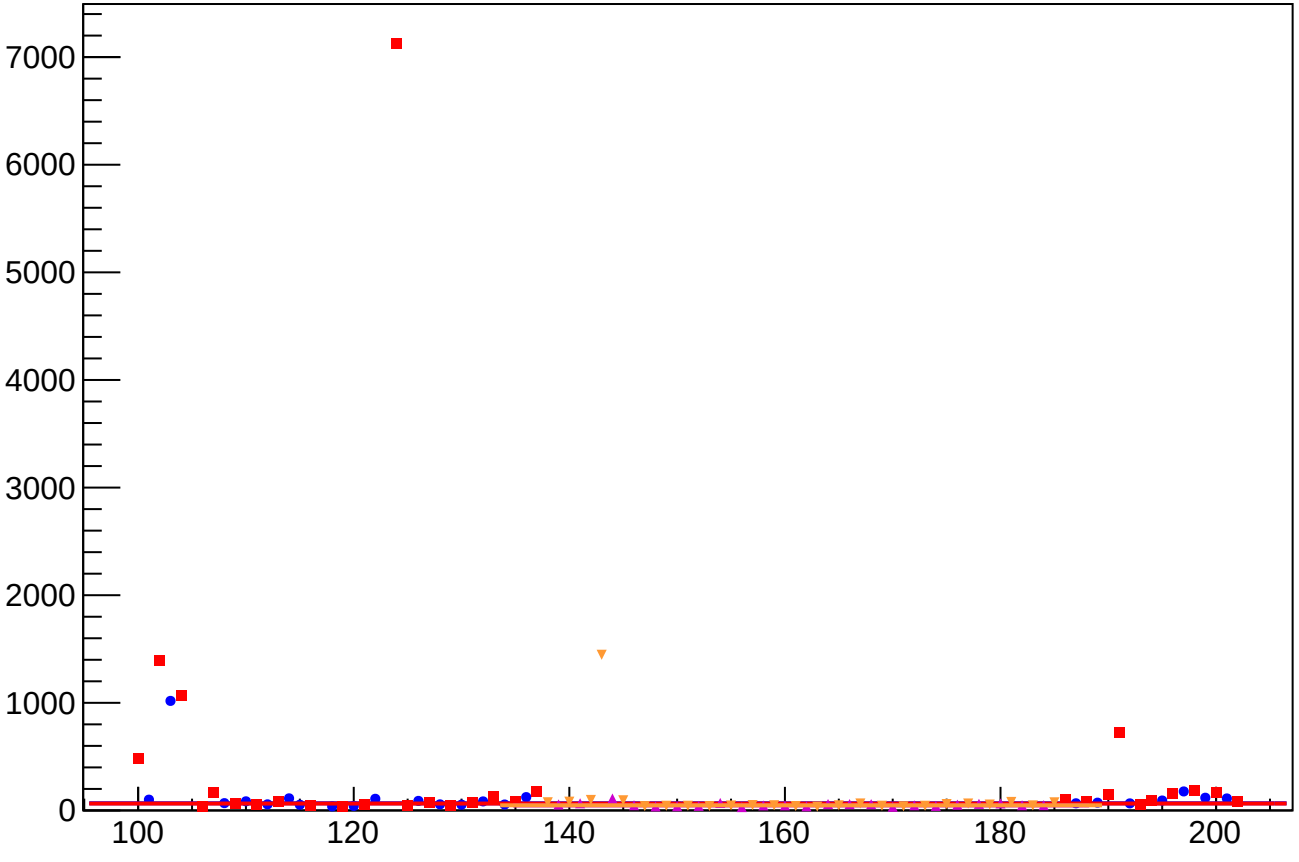
Right: 0.008+/-0.016 χ^2/NDF: 47.4/51

In: -0.009+/-0.011 χ^2/NDF:42.6/45

Out: 0.007+/-0.011 χ^2/NDF:56.8/53

All: -0.001+/-0.008 χ^2/NDF: 100.6/99

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.684+/-0.016 χ^2/NDF: 3763369.7/22

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.205+/-0.015 χ^2/NDF: 6174634.5/28

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

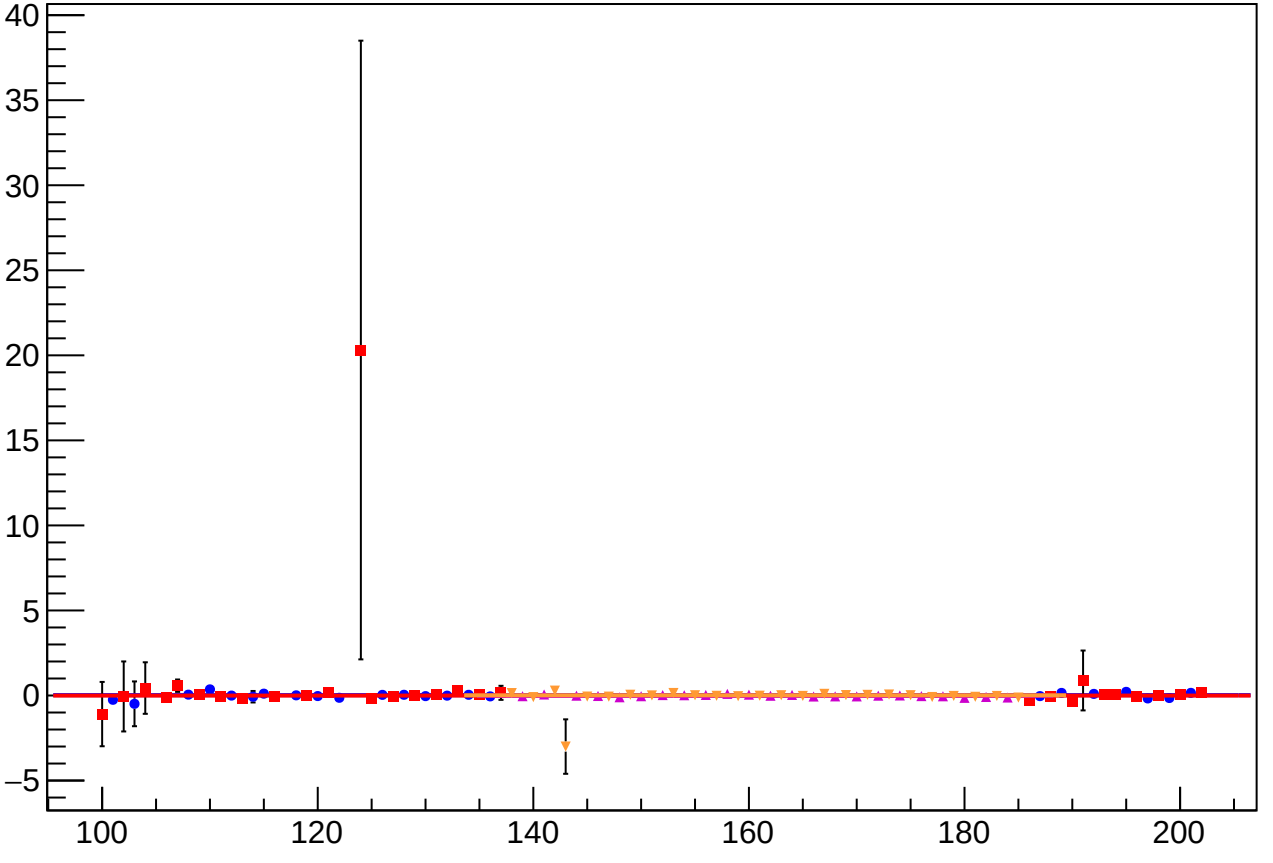
Right: 65.374+/-0.011 χ^2/NDF: 9950278.8/51

In: 51.184+/-0.008 χ^2/NDF:6878461.5/45

Out: 51.926+/-0.008 χ^2/NDF:10518931.4/53

All: 51.556+/-0.005 χ^2/NDF: 17402106.8/99

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.023 χ^2/NDF: 19.9/22

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.022 χ^2/NDF: 26.8/28

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

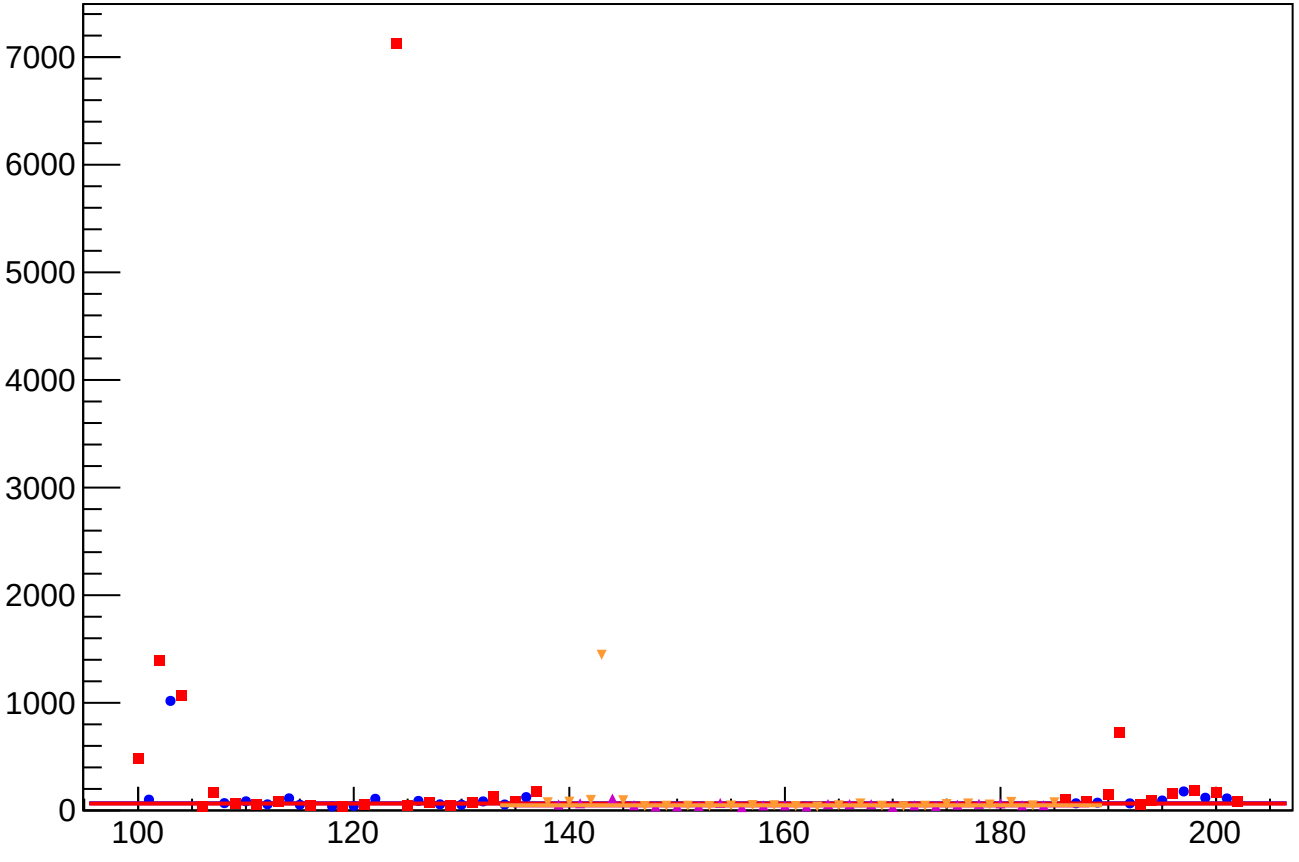
Right: 0.008+/-0.016 χ^2/NDF: 47.4/51

In: -0.009+/-0.011 χ^2/NDF:42.6/45

Out: 0.007+/-0.011 χ^2/NDF:56.8/53

All: -0.001+/-0.008 χ^2/NDF: 100.6/99

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.684+/-0.016 χ^2/NDF: 3763369.7/22

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.205+/-0.015 χ^2/NDF: 6174634.5/28

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

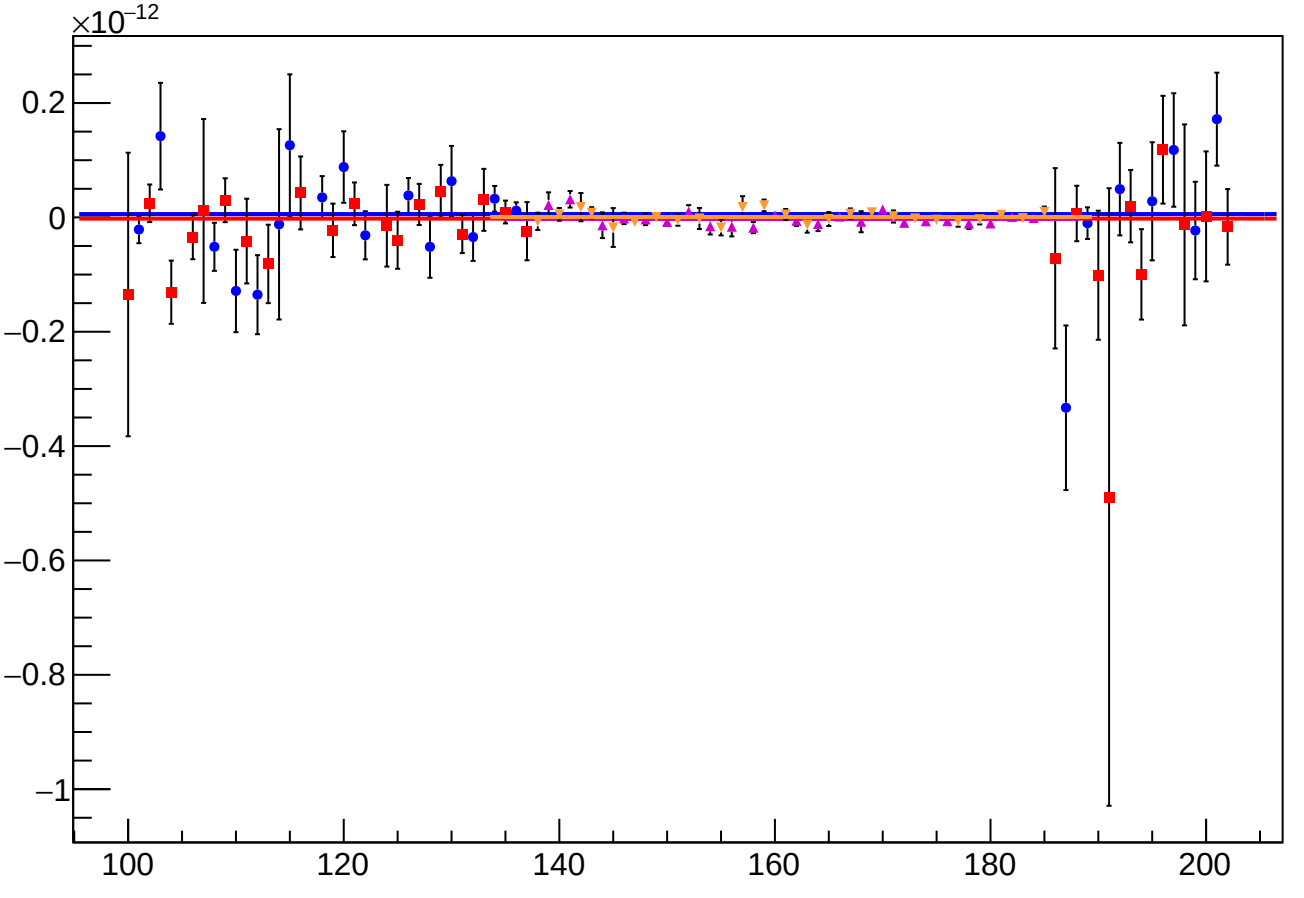
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 65.374+/-0.011 χ^2/NDF: 9950278.8/51

In: 51.184+/-0.008 χ^2/NDF:6878461.5/45

Out: 51.926+/-0.008 χ^2/NDF:10518931.4/53

All: 51.556+/-0.005 χ^2/NDF: 17402106.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/28

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

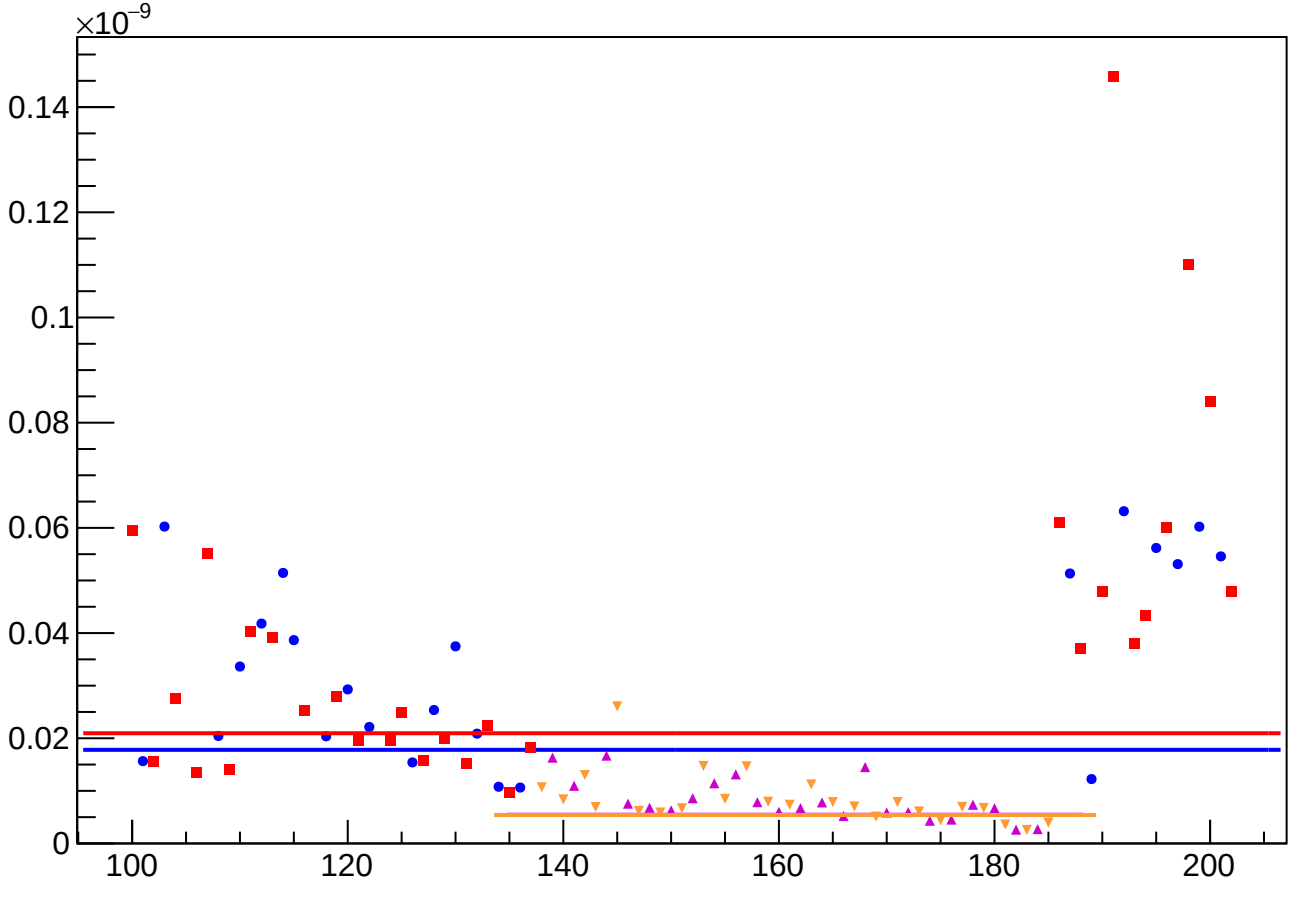
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 54.2/51

In: -0.000+/-0.000 χ^2/NDF:57.2/45

Out: 0.000+/-0.000 χ^2/NDF:34.6/53

All: -0.000+/-0.000 χ^2/NDF: 93.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 4206344.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4139164.0/28

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

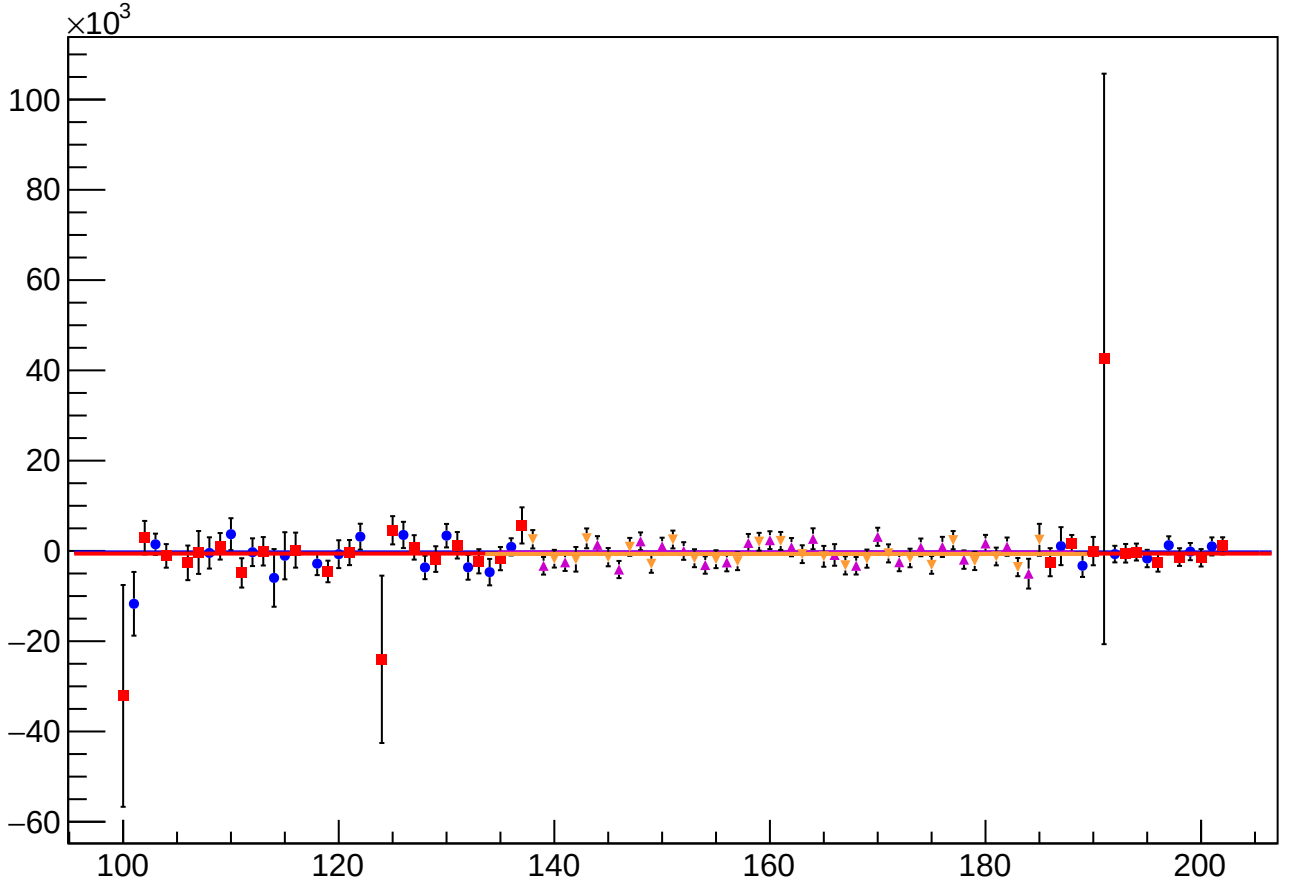
Right: 0.000+/-0.000 χ^2/NDF: 8478638.9/51

In: 0.000+/-0.000 χ^2/NDF:13577243.2/45

Out: 0.000+/-0.000 χ^2/NDF:14822349.9/53

All: 0.000+/-0.000 χ^2/NDF: 28403327.4/99

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -313.854+/-541.096 χ^2/NDF: 20.4/22

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -591.152+/-506.687 χ^2/NDF: 20.3/28

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

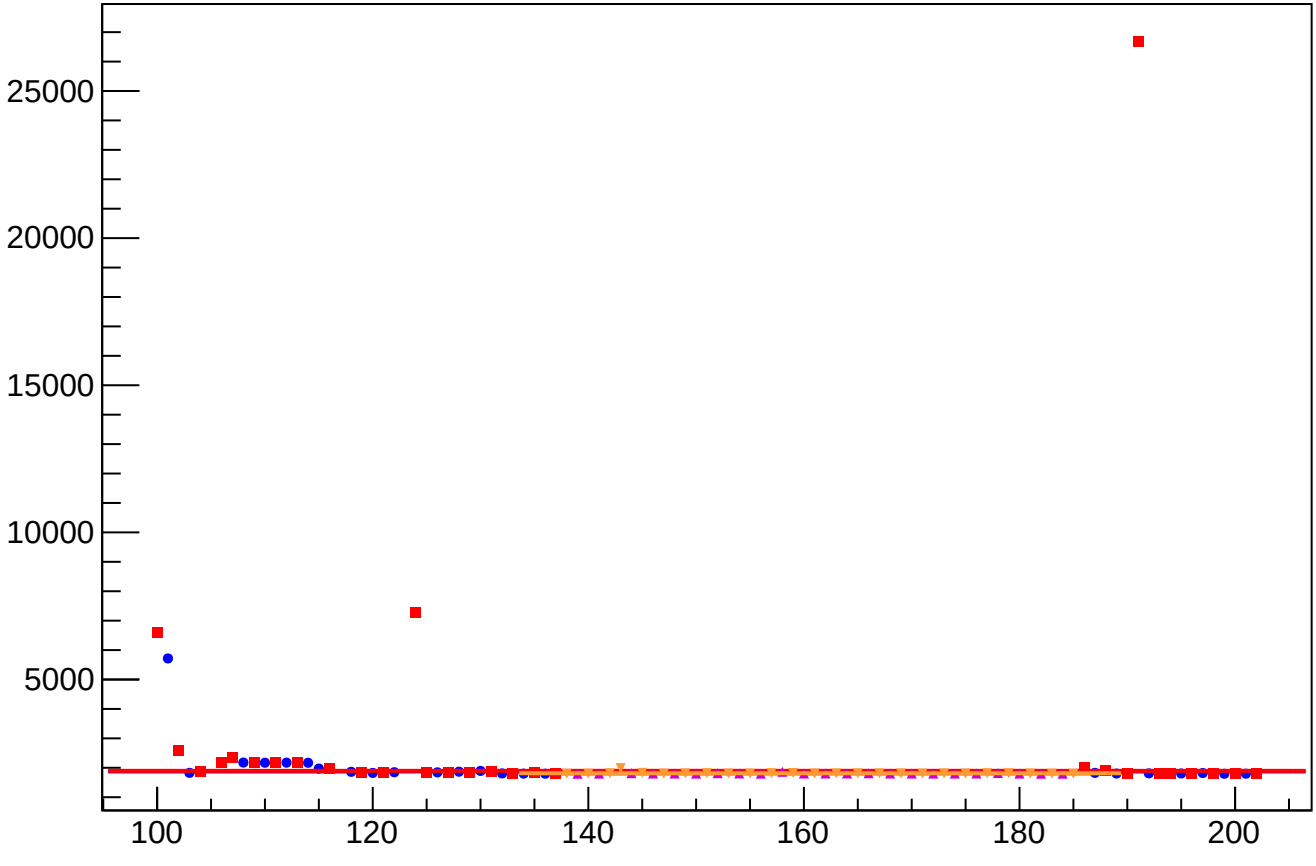
Right: -461.600+/-369.848 χ^2/NDF: 40.8/51

In: -331.920+/-333.113 χ^2/NDF:50.5/45

Out: -638.623+/-319.757 χ^2/NDF:45.0/53

All: -491.543+/-230.680 χ^2/NDF: 96.0/99

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1876.180+/-0.383 χ^2/NDF: 667366.1/22

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1896.466+/-0.358 χ^2/NDF: 738862.1/28

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

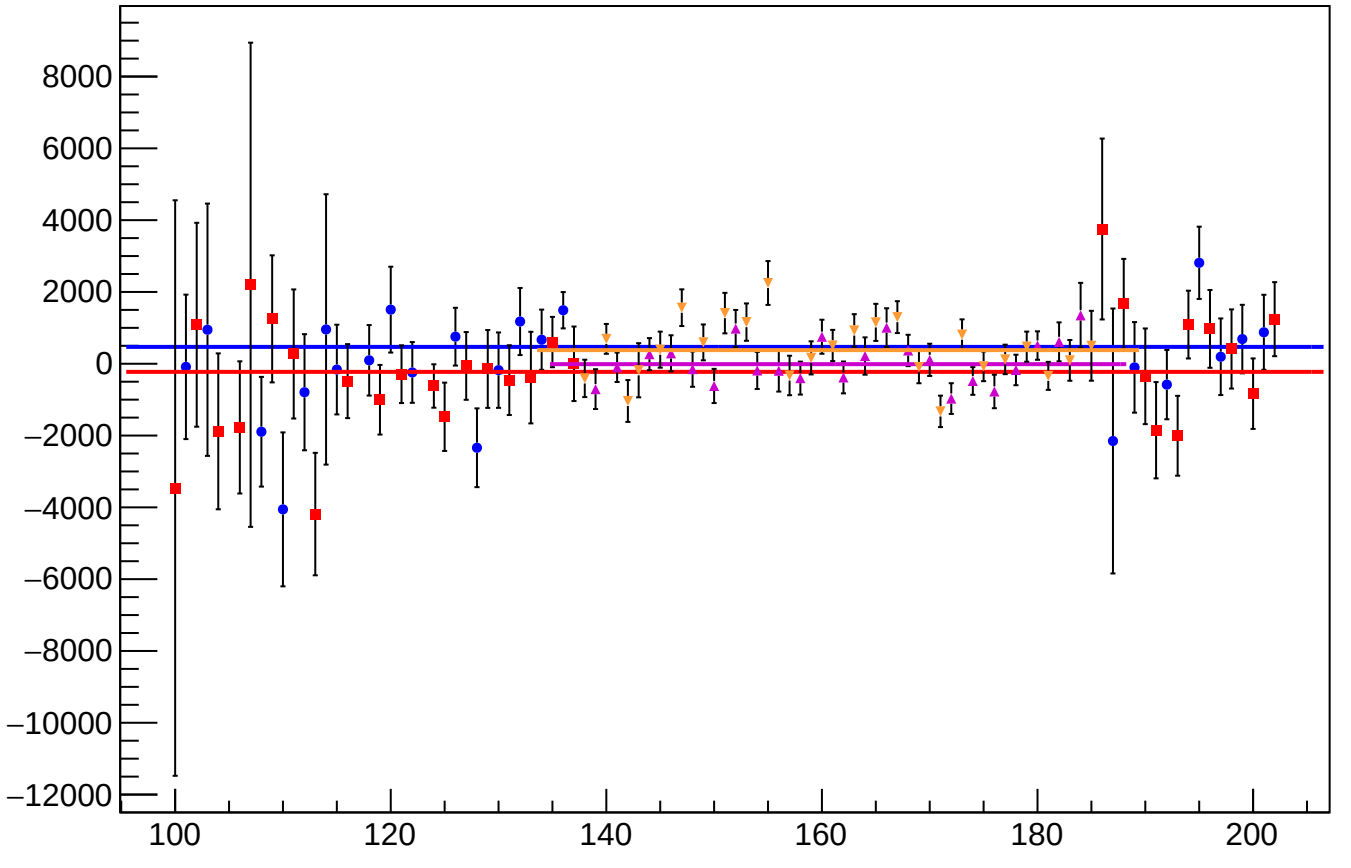
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1886.989+/-0.262 χ^2/NDF: 1407725.9/51

In: 1835.366+/-0.236 χ^2/NDF:687656.8/45

Out: 1847.104+/-0.226 χ^2/NDF:783508.7/53

All: 1841.475+/-0.163 χ^2/NDF: 1472457.9/99



Right In: 469.746+/-220.258 χ^2/NDF: 28.8/22

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -225.636+/-207.871 χ^2/NDF: 27.1/28

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

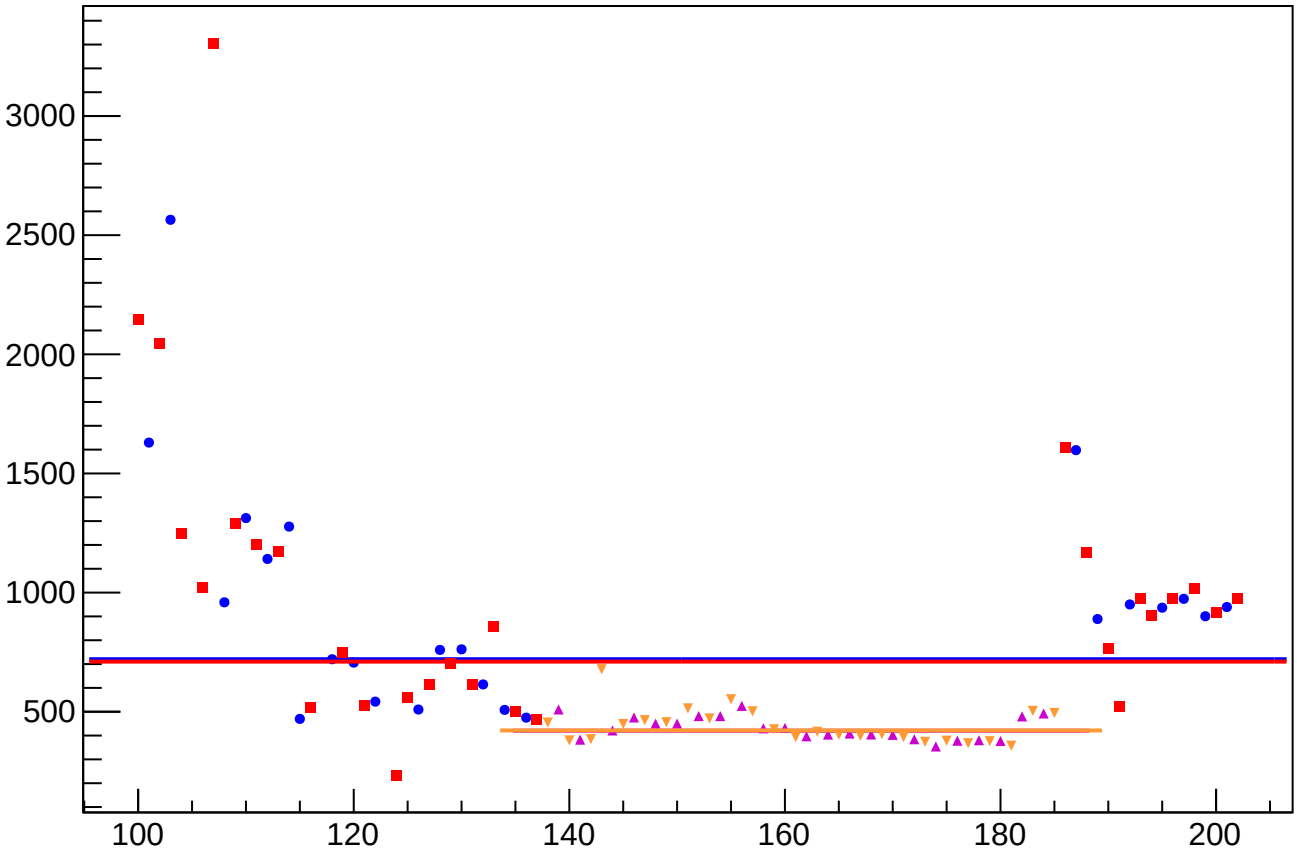
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 101.953+/-151.177 χ^2/NDF: 61.2/51

In: 69.328+/-90.280 χ^2/NDF:63.9/45

Out: 271.149+/-87.911 χ^2/NDF:96.4/53

All: 172.922+/-62.983 χ^2/NDF: 162.8/99



Right In: 720.407+/-0.156 χ^2/NDF: 2903164.1/22

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 710.294+/-0.147 χ^2/NDF: 4582569.1/28

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

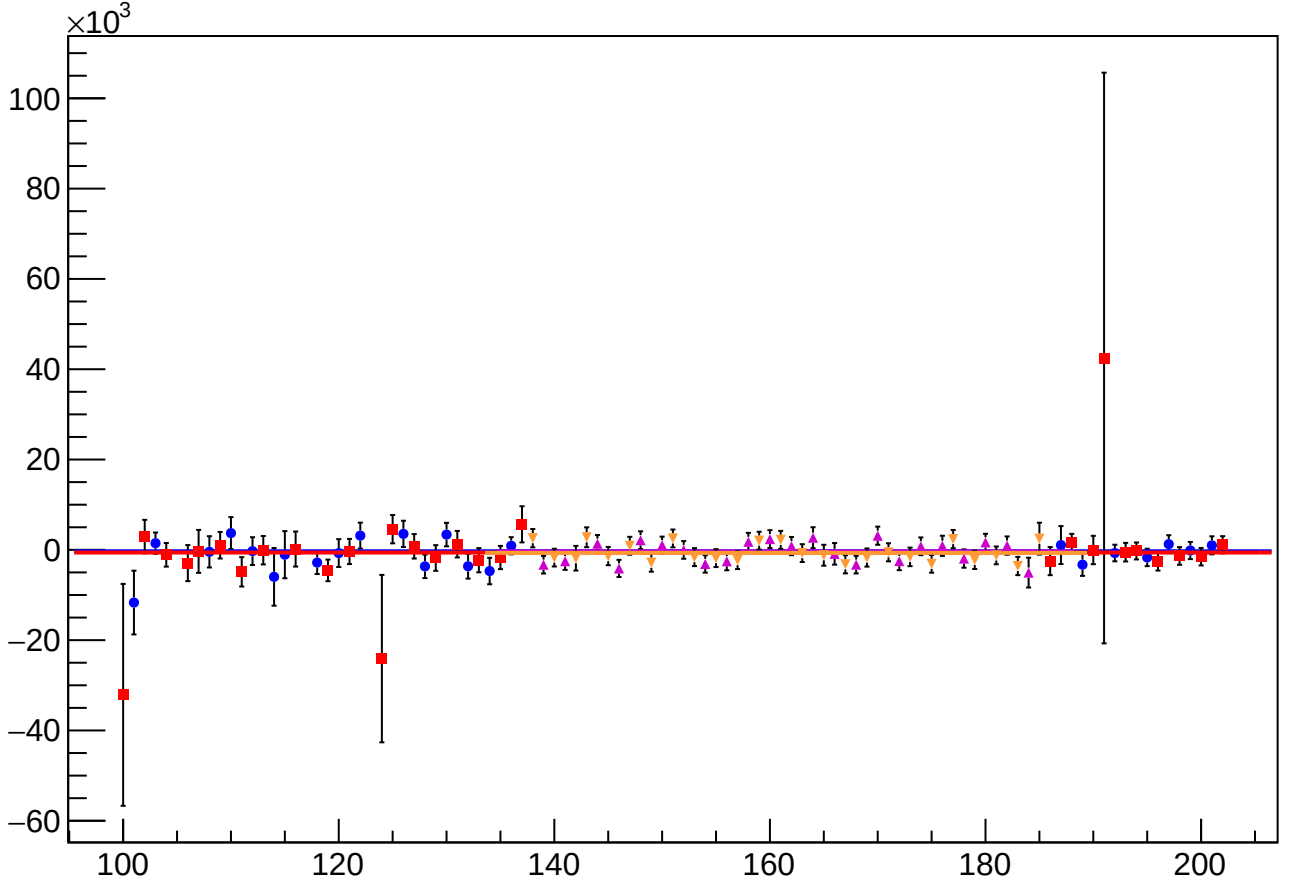
Right: 715.058+/-0.107 χ^2/NDF: 7487963.1/51

In: 470.654+/-0.064 χ^2/NDF:6407057.4/45

Out: 473.083+/-0.062 χ^2/NDF:8497308.6/53

All: 471.901+/-0.045 χ^2/NDF: 14905108.8/99

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -313.404+/-541.096 χ^2/NDF: 20.4/22

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -593.272+/-507.037 χ^2/NDF: 20.3/28

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

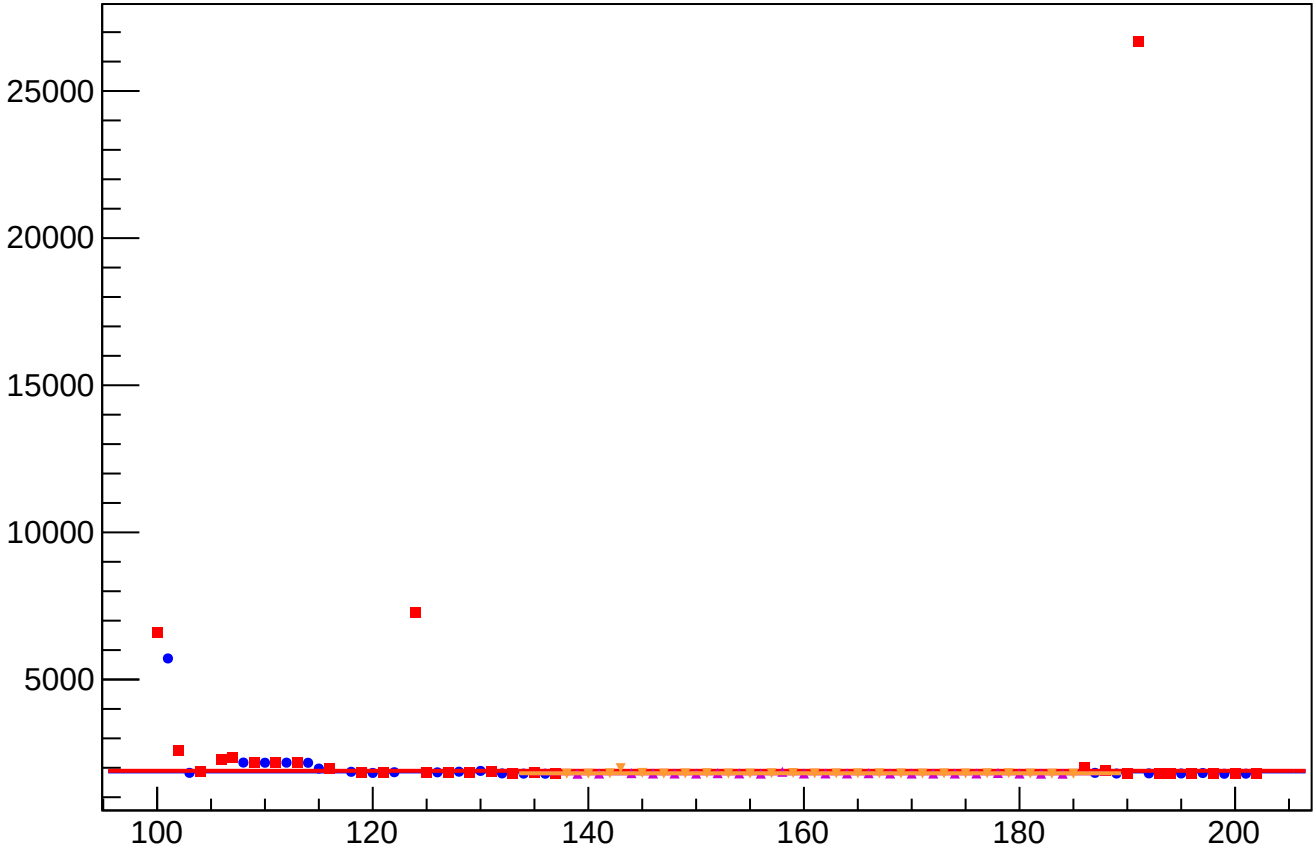
Right: -462.423+/-369.984 χ^2/NDF: 40.9/51

In: -331.777+/-333.113 χ^2/NDF:50.5/45

Out: -639.487+/-319.845 χ^2/NDF:45.1/53

All: -491.882+/-230.713 χ^2/NDF: 96.0/99

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1876.180+/-0.383 χ^2/NDF: 667366.0/22

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1897.386+/-0.359 χ^2/NDF: 744768.0/28

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

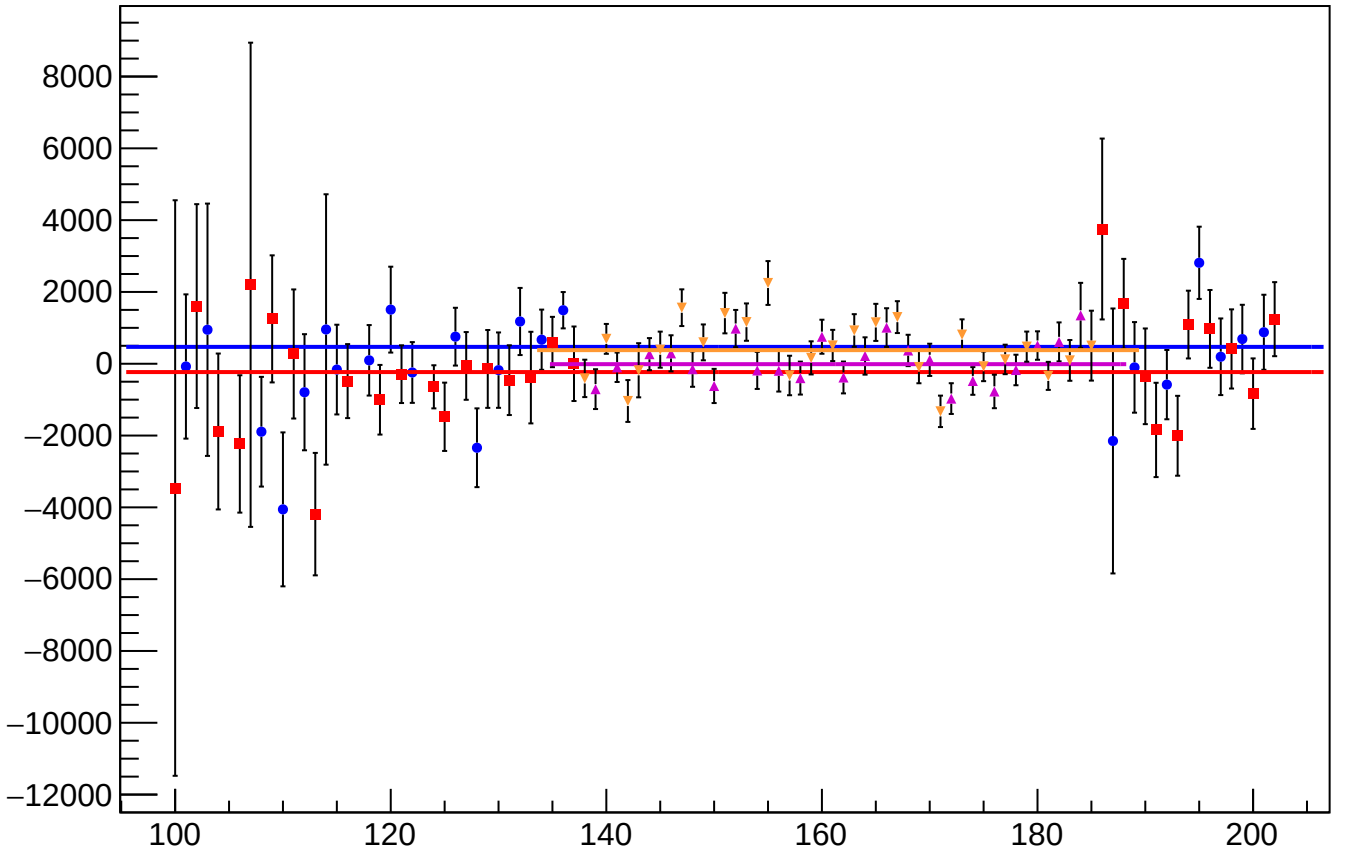
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1887.471+/-0.262 χ^2/NDF: 1413769.6/51

In: 1835.366+/-0.236 χ^2/NDF:687656.7/45

Out: 1847.443+/-0.226 χ^2/NDF:790099.1/53

All: 1841.650+/-0.163 χ^2/NDF: 1479123.5/99



Right In: 469.792+/-220.252 χ^2/NDF: 28.8/22

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -231.735+/-207.682 χ^2/NDF: 27.8/28

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

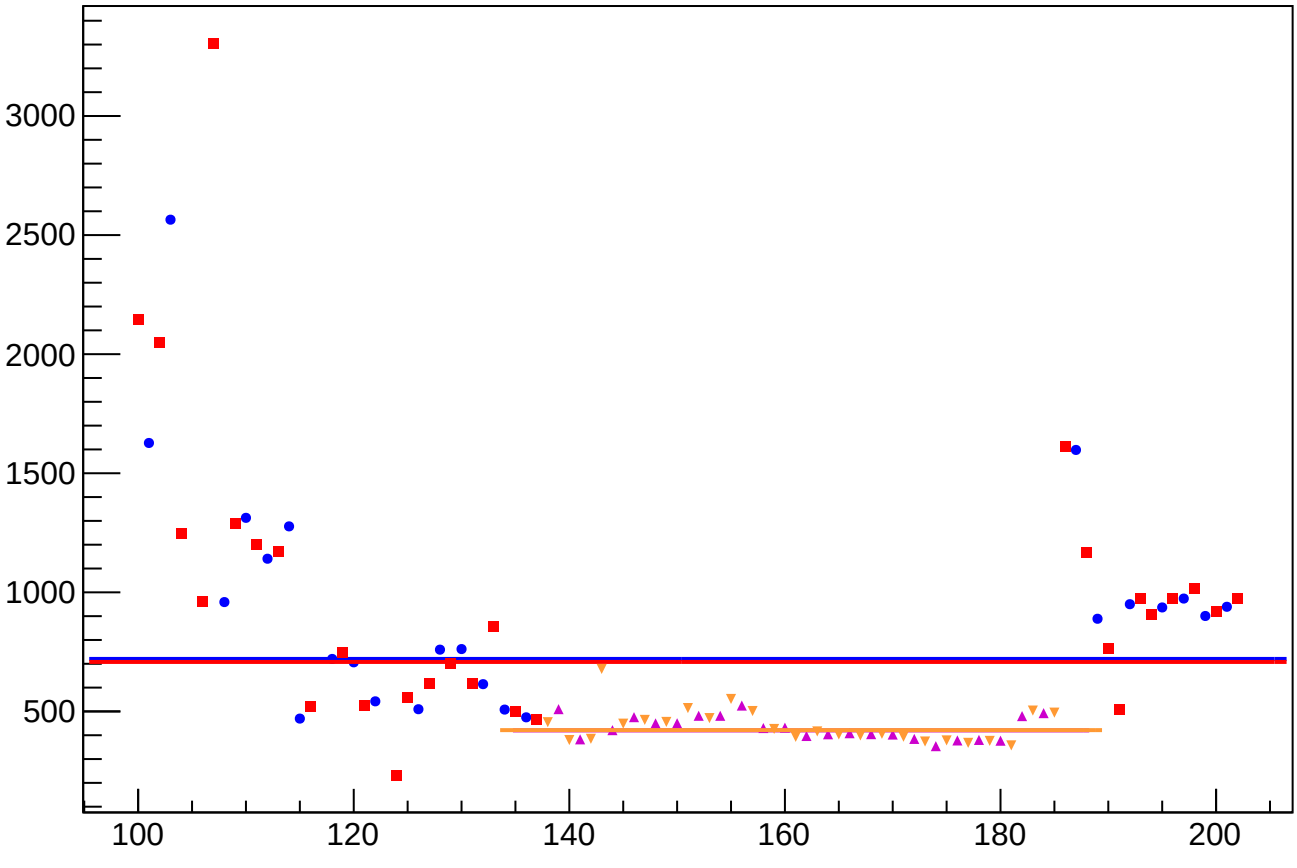
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 98.441+/-151.102 χ^2/NDF: 62.0/51

In: 69.329+/-90.279 χ^2/NDF:63.9/45

Out: 269.886+/-87.897 χ^2/NDF:97.3/53

All: 172.288+/-62.978 χ^2/NDF: 163.7/99



Right In: 720.402+/-0.156 χ^2/NDF: 2902350.3/22

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 707.775+/-0.147 χ^2/NDF: 4596918.7/28

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

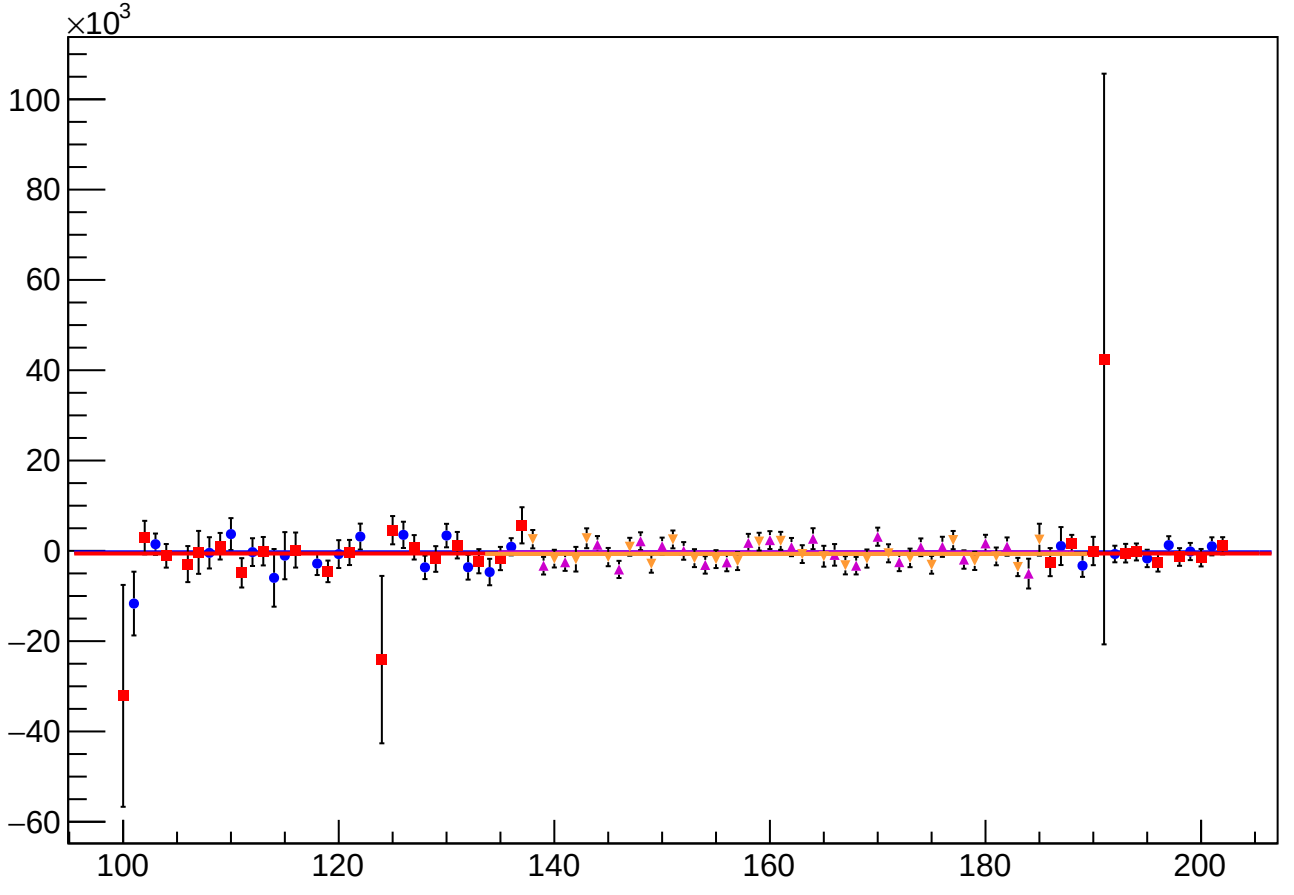
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 713.718+/-0.107 χ^2/NDF: 7502748.4/51

In: 470.652+/-0.064 χ^2/NDF:6406414.4/45

Out: 472.712+/-0.062 χ^2/NDF:8461105.3/53

All: 471.710+/-0.045 χ^2/NDF: 14868054.4/99



Right In: -313.404+/-541.096 χ^2/NDF: 20.4/22

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -593.272+/-507.037 χ^2/NDF: 20.3/28

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

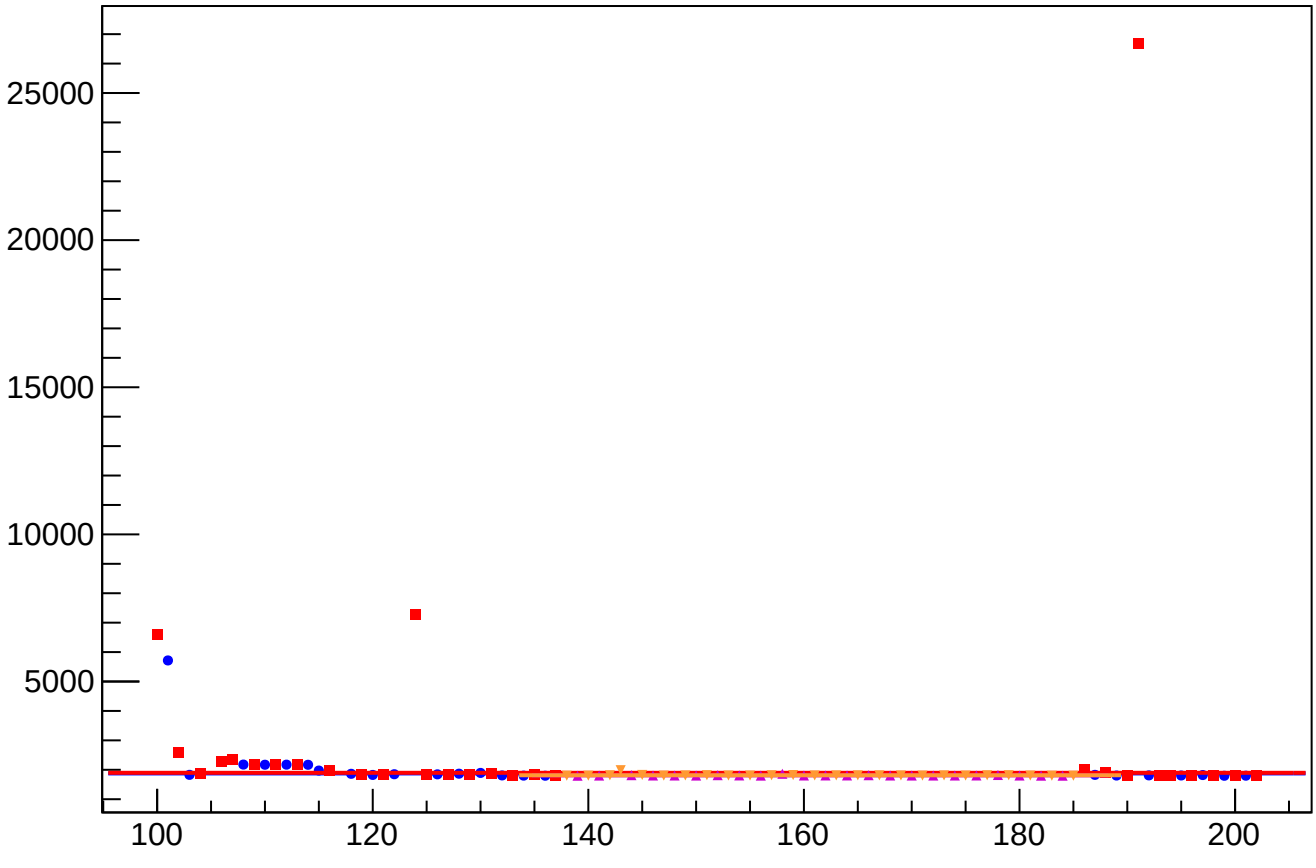
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -462.423+/-369.984 χ^2/NDF: 40.9/51

In: -331.777+/-333.113 χ^2/NDF:50.5/45

Out: -639.487+/-319.845 χ^2/NDF:45.1/53

All: -491.882+/-230.713 χ^2/NDF: 96.0/99



Right In: 1876.180+/-0.383 χ^2/NDF: 667366.0/22

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1897.386+/-0.359 χ^2/NDF: 744768.0/28

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

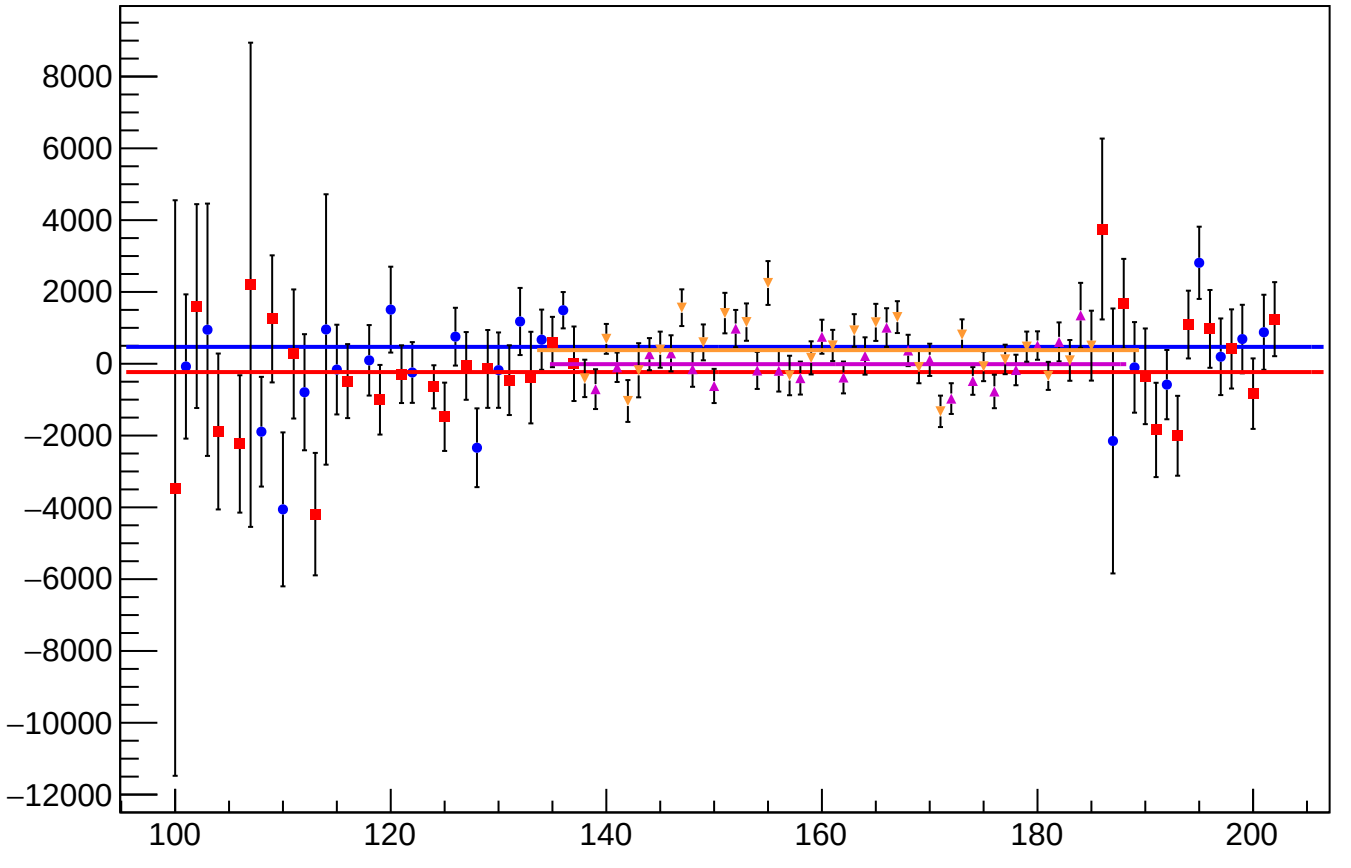
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1887.471+/-0.262 χ^2/NDF: 1413769.6/51

In: 1835.366+/-0.236 χ^2/NDF:687656.7/45

Out: 1847.443+/-0.226 χ^2/NDF:790099.1/53

All: 1841.650+/-0.163 χ^2/NDF: 1479123.5/99



Right In: 469.792+/-220.252 χ^2/NDF: 28.8/22

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -231.735+/-207.682 χ^2/NDF: 27.8/28

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

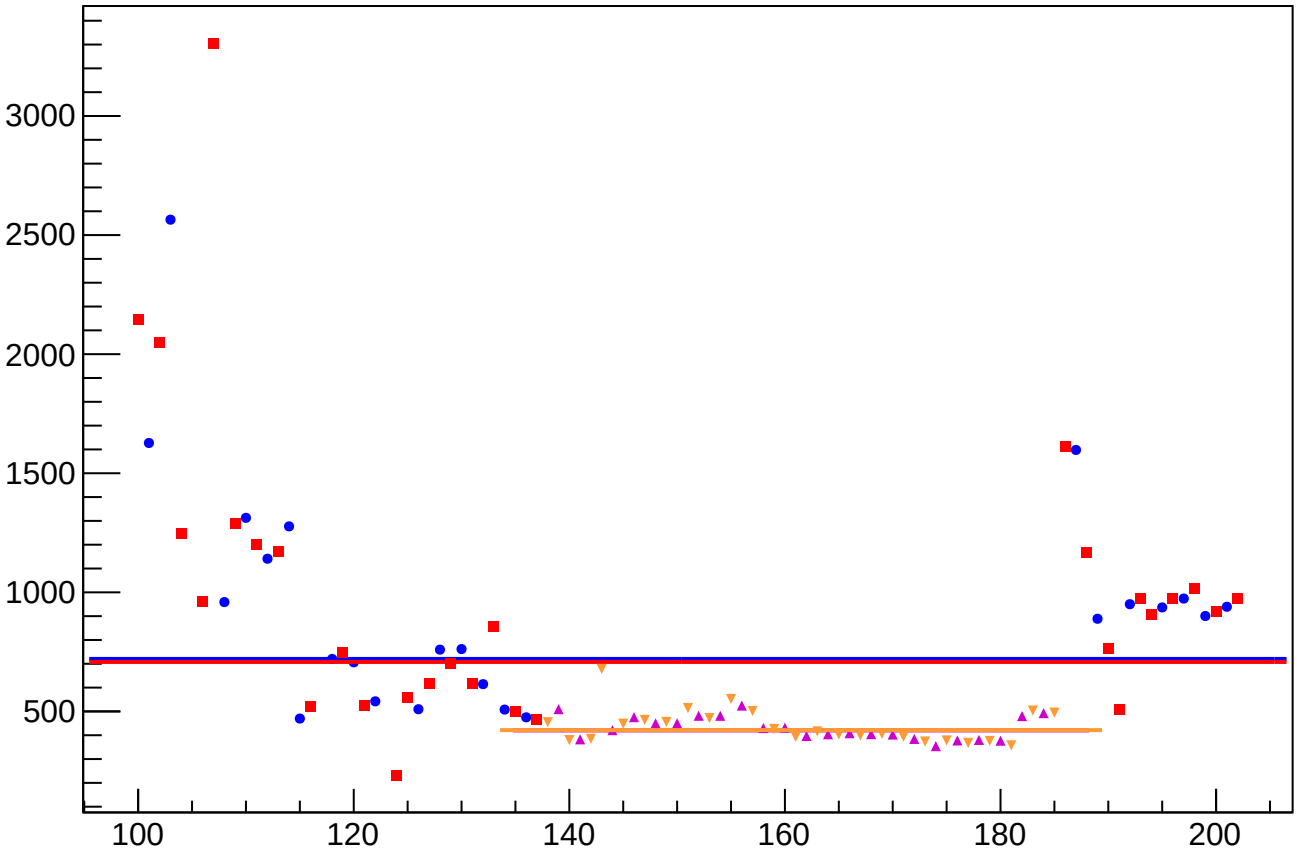
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 98.441+/-151.102 χ^2/NDF: 62.0/51

In: 69.329+/-90.279 χ^2/NDF:63.9/45

Out: 269.886+/-87.897 χ^2/NDF:97.3/53

All: 172.288+/-62.978 χ^2/NDF: 163.7/99



Right In: 720.402+/-0.156 χ^2/NDF: 2902350.3/22

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 707.775+/-0.147 χ^2/NDF: 4596918.7/28

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

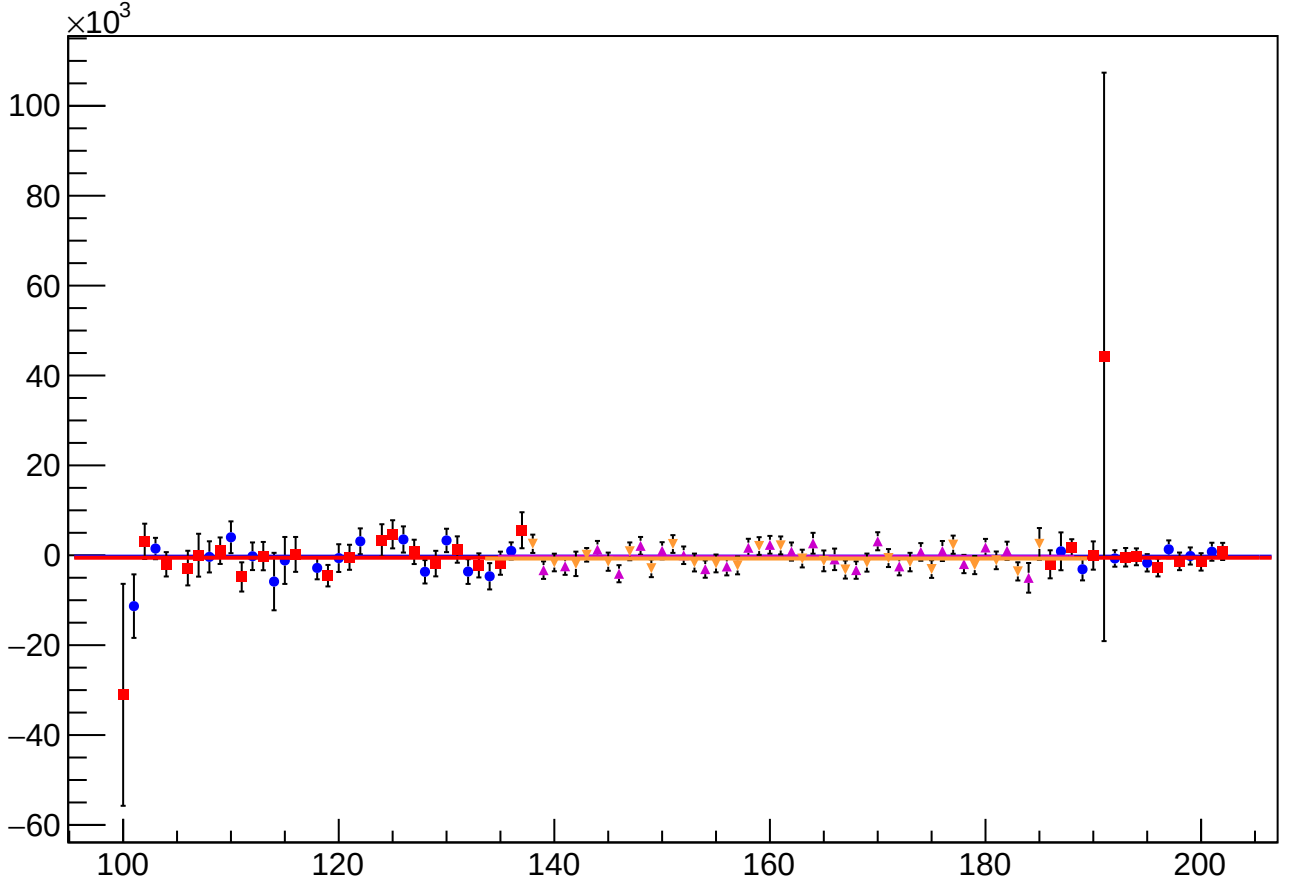
Right: 713.718+/-0.107 χ^2/NDF: 7502748.4/51

In: 470.652+/-0.064 χ^2/NDF:6406414.4/45

Out: 472.712+/-0.062 χ^2/NDF:8461105.3/53

All: 471.710+/-0.045 χ^2/NDF: 14868054.4/99

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -303.558+/-541.723 χ^2/NDF: 20.0/22

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -545.038+/-503.553 χ^2/NDF: 19.7/28

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

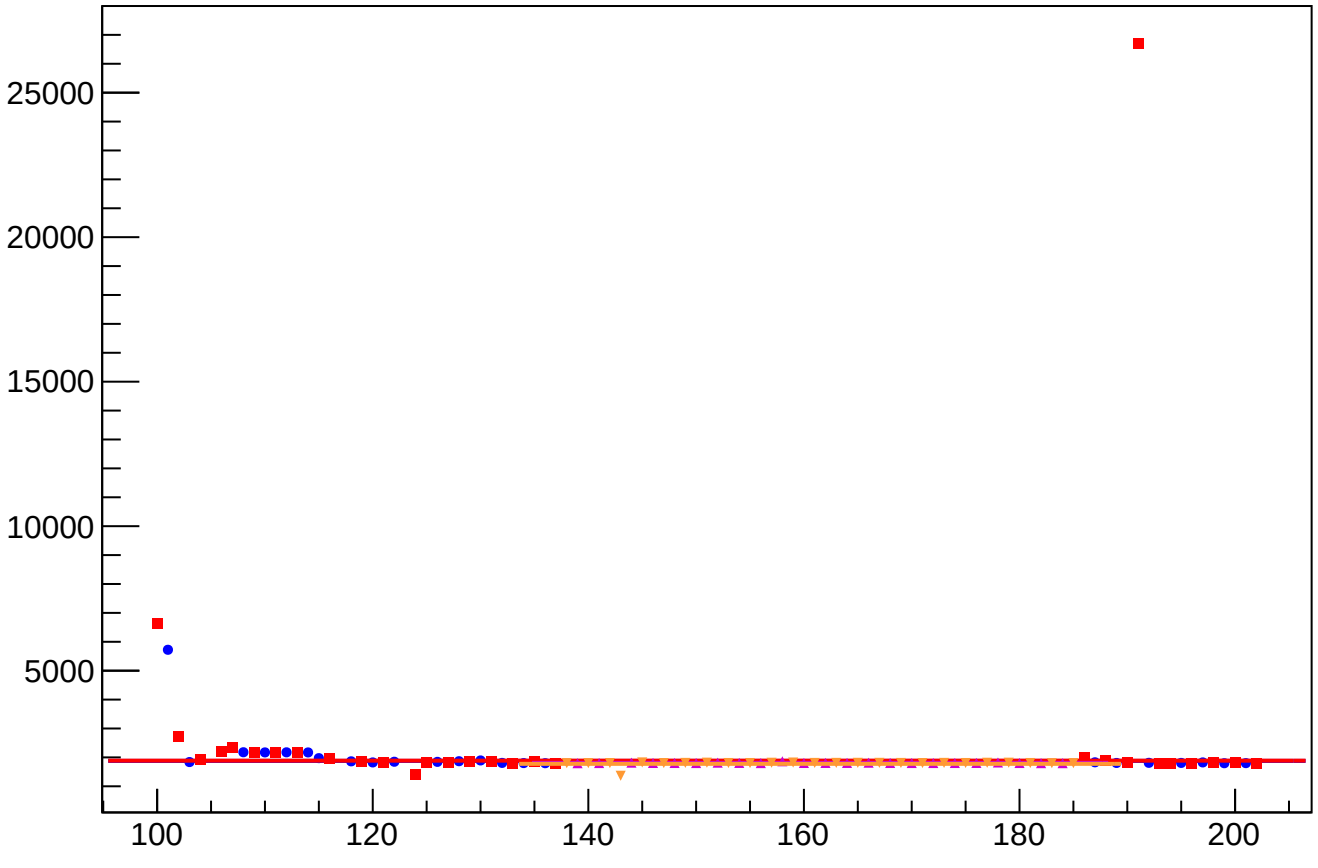
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -433.104+/-368.822 χ^2/NDF: 39.8/51

In: -326.963+/-333.331 χ^2/NDF:49.6/45

Out: -654.149+/-315.315 χ^2/NDF:42.0/53

All: -499.636+/-229.066 χ^2/NDF: 92.2/99



Right In: 1878.201+/-0.383 χ^2/NDF: 667009.7/22

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1886.851+/-0.356 χ^2/NDF: 624005.6/28

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

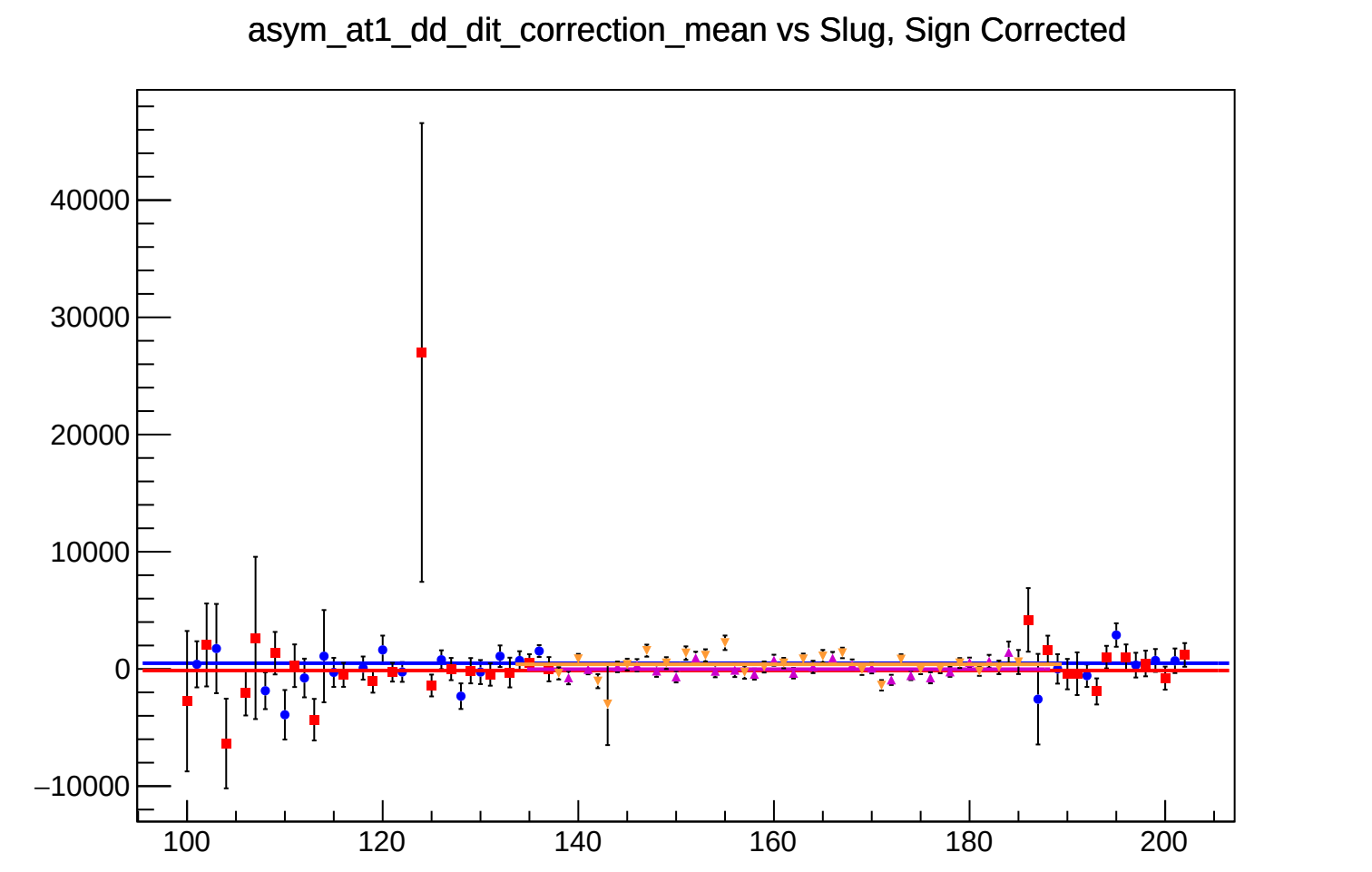
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1882.841+/-0.261 χ^2/NDF: 1291288.8/51

In: 1836.495+/-0.236 χ^2/NDF:688052.0/45

Out: 1819.903+/-0.223 χ^2/NDF:843454.3/53

All: 1827.739+/-0.162 χ^2/NDF: 1534121.5/99



Right In: 488.252+/-219.139 χ^2/NDF: 29.5/22

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -134.575+/-223.356 χ^2/NDF: 28.8/28

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

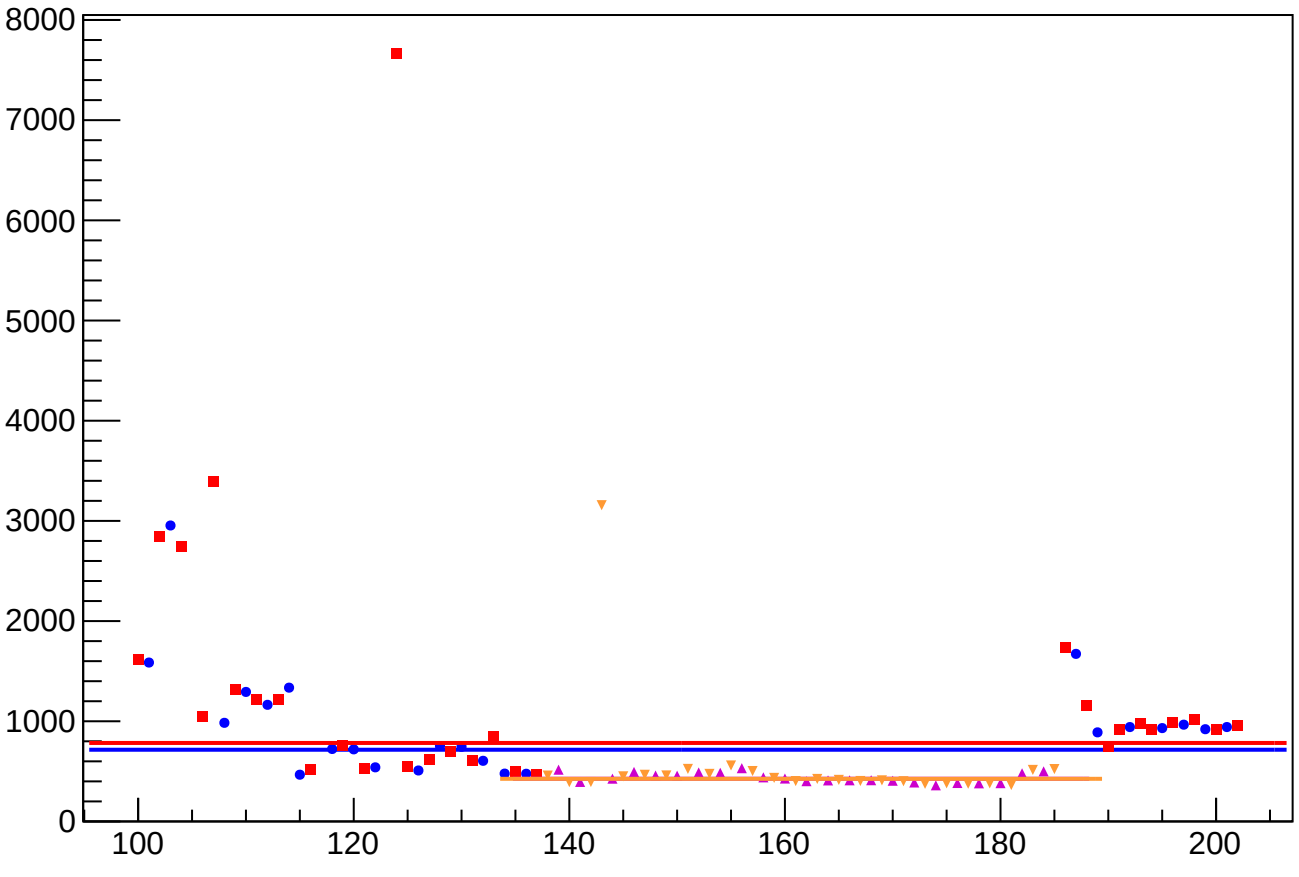
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 182.773+/-156.424 χ^2/NDF: 62.2/51

In: 66.778+/-91.174 χ^2/NDF:64.8/45

Out: 310.532+/-90.634 χ^2/NDF:94.0/53

All: 189.379+/-64.278 χ^2/NDF: 162.4/99



Right In: 715.791+/-0.155 χ^2/NDF: 3112406.5/22

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 783.473+/-0.158 χ^2/NDF: 4155470.0/28

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

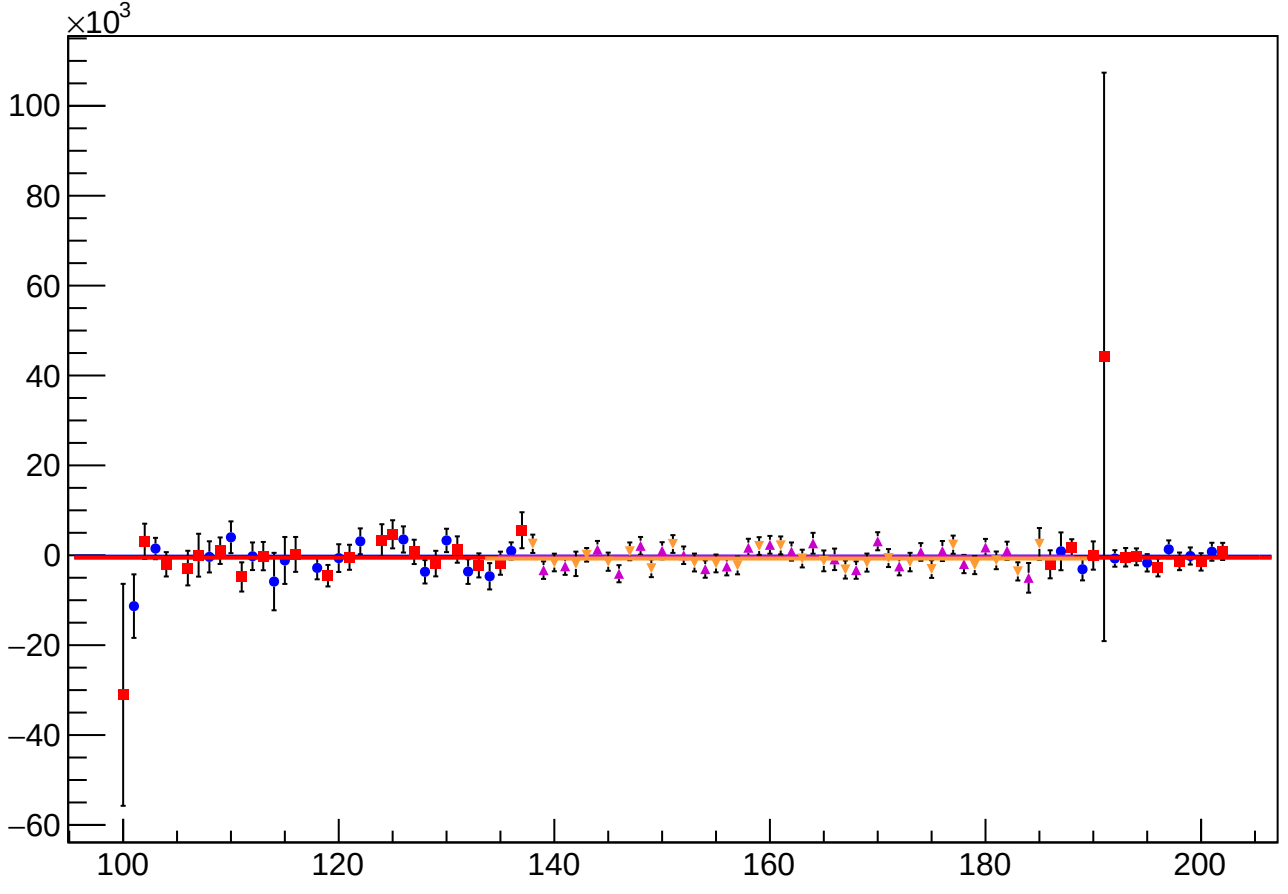
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 748.987+/-0.111 χ^2/NDF: 7361449.6/51

In: 476.283+/-0.064 χ^2/NDF:6417018.4/45

Out: 484.608+/-0.064 χ^2/NDF:10160297.9/53

All: 480.470+/-0.045 χ^2/NDF: 16585702.7/99



Right In: -303.559+/-541.723 χ^2/NDF: 20.0/22

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -545.037+/-503.553 χ^2/NDF: 19.7/28

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

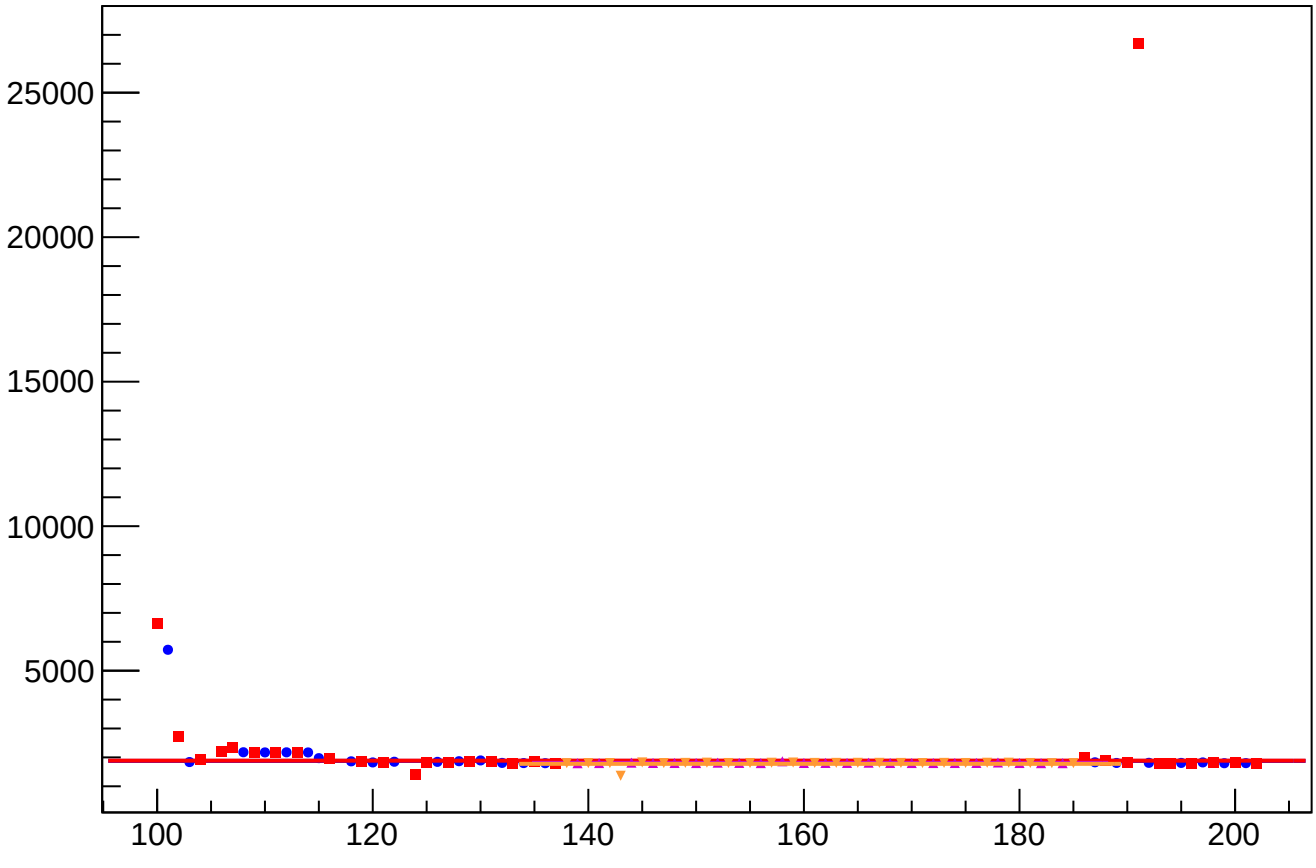
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -433.104+/-368.822 χ^2/NDF: 39.8/51

In: -326.963+/-333.331 χ^2/NDF:49.6/45

Out: -654.149+/-315.315 χ^2/NDF:42.0/53

All: -499.636+/-229.066 χ^2/NDF: 92.2/99



Right In: 1878.201+/-0.383 χ^2/NDF: 667009.7/22

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1886.851+/-0.356 χ^2/NDF: 624005.4/28

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

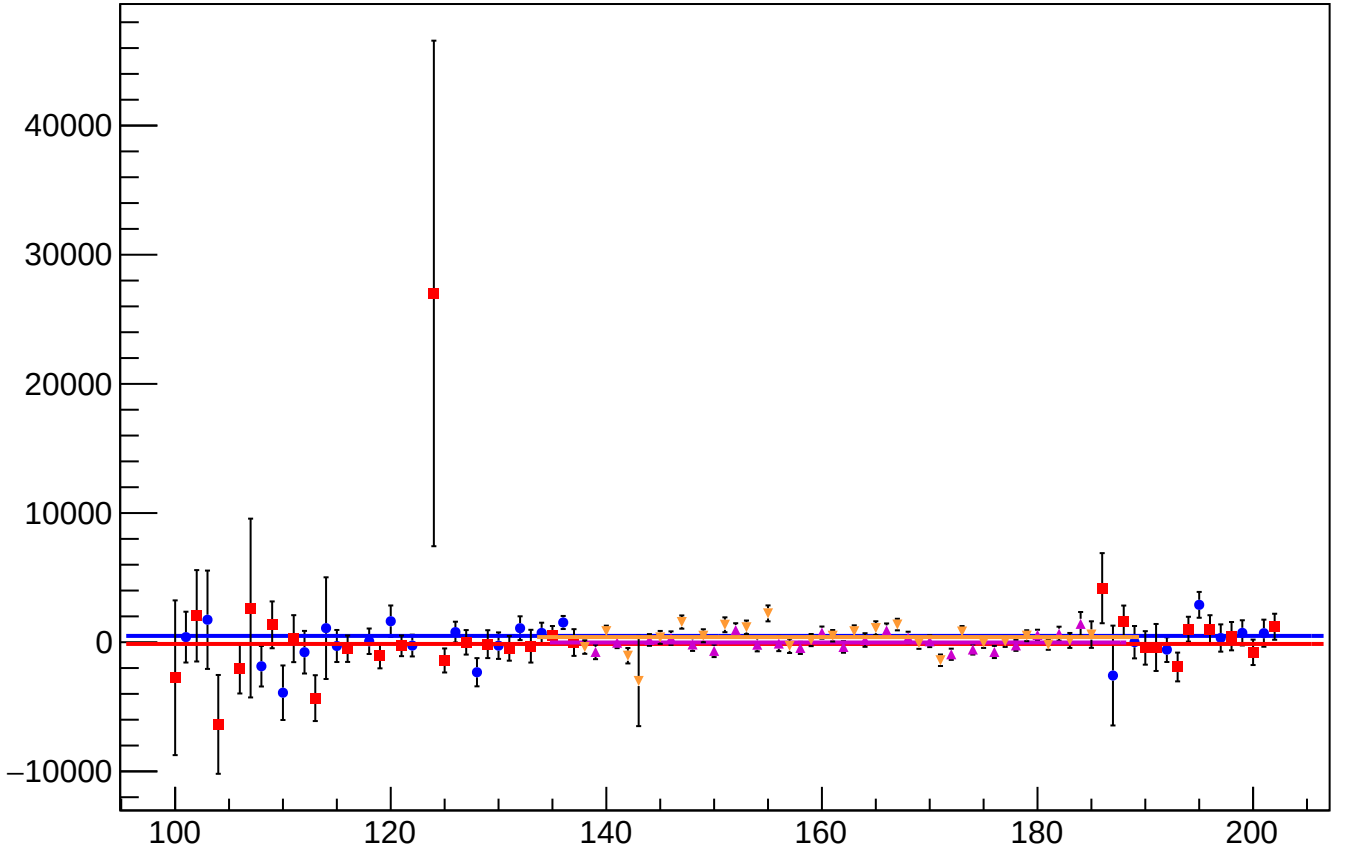
Right: 1882.841+/-0.261 χ^2/NDF: 1291288.7/51

In: 1836.495+/-0.236 χ^2/NDF:688052.0/45

Out: 1819.903+/-0.223 χ^2/NDF:843454.1/53

All: 1827.739+/-0.162 χ^2/NDF: 1534121.3/99

asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 488.250+/-219.139 χ^2/NDF: 29.5/22

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -134.575+/-223.356 χ^2/NDF: 28.8/28

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

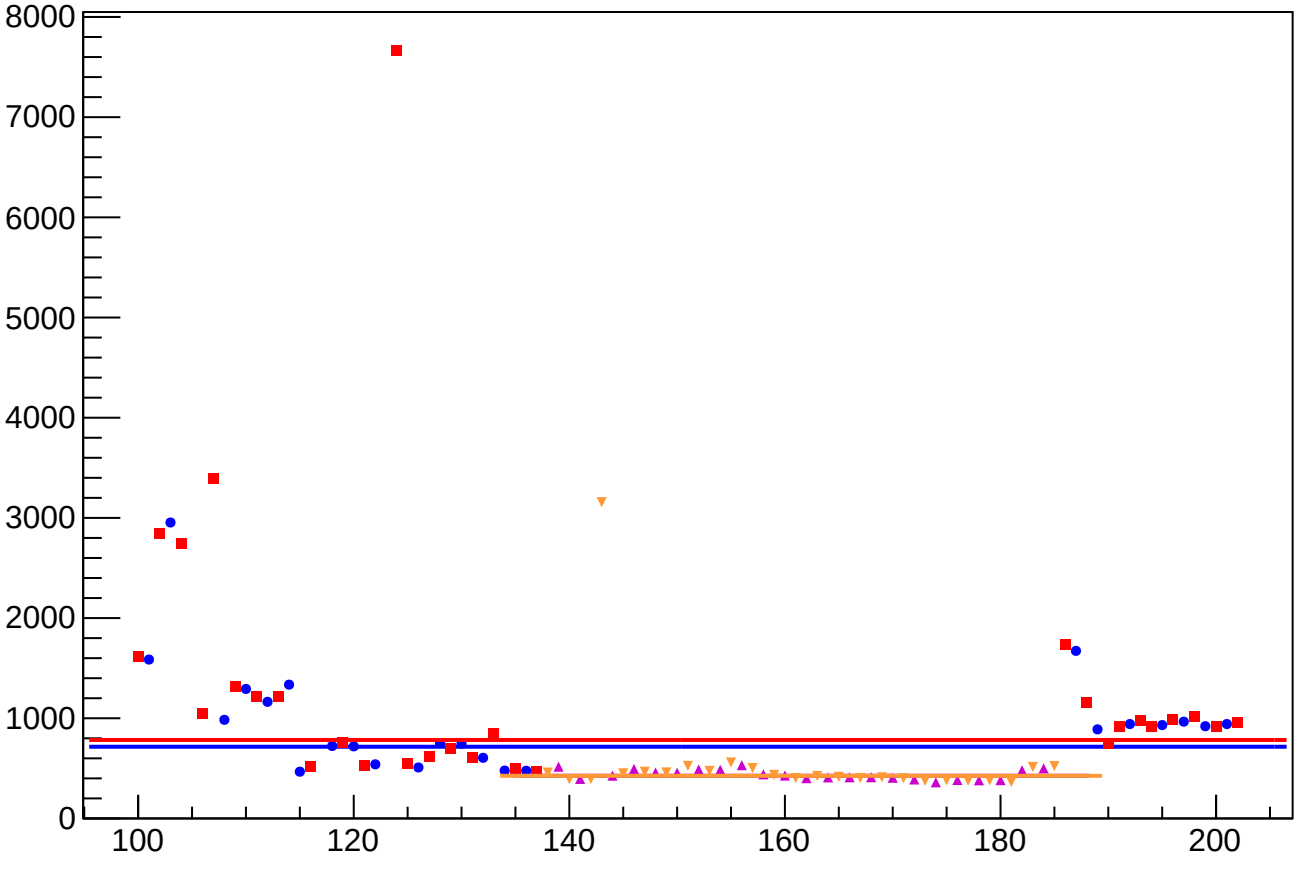
Right: 182.772+/-156.424 χ^2/NDF: 62.2/51

In: 66.778+/-91.174 χ^2/NDF:64.8/45

Out: 310.531+/-90.634 χ^2/NDF:94.0/53

All: 189.379+/-64.278 χ^2/NDF: 162.4/99

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 715.790+/-0.155 χ^2/NDF: 3112408.1/22

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 783.473+/-0.158 χ^2/NDF: 4155474.0/28

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

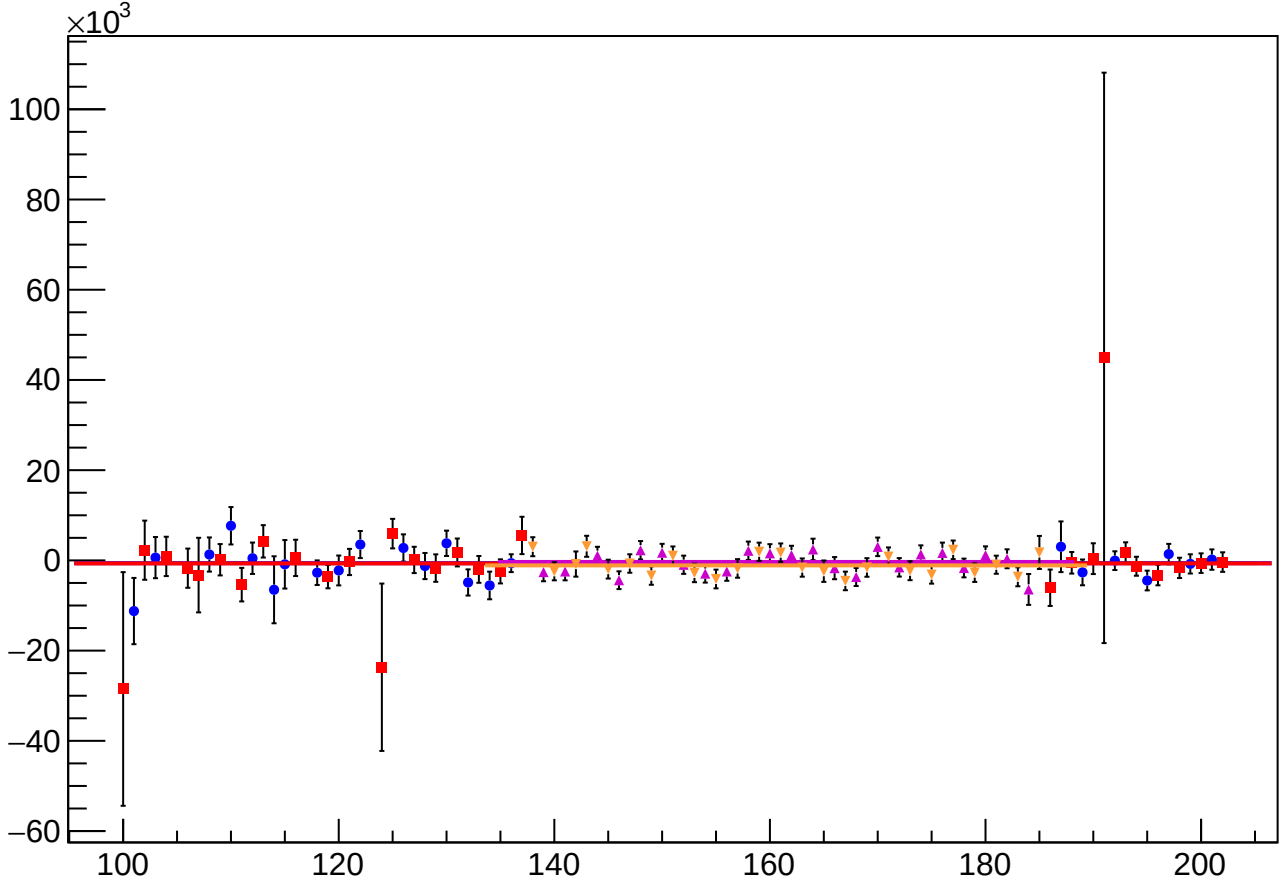
Right: 748.987+/-0.111 χ^2/NDF: 7361455.2/51

In: 476.283+/-0.064 χ^2/NDF:6417025.2/45

Out: 484.607+/-0.064 χ^2/NDF:10160309.2/53

All: 480.470+/-0.045 χ^2/NDF: 16585720.6/99

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -615.107+/-607.323 χ^2/NDF: 23.4/22

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -668.693+/-578.070 χ^2/NDF: 20.8/28

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

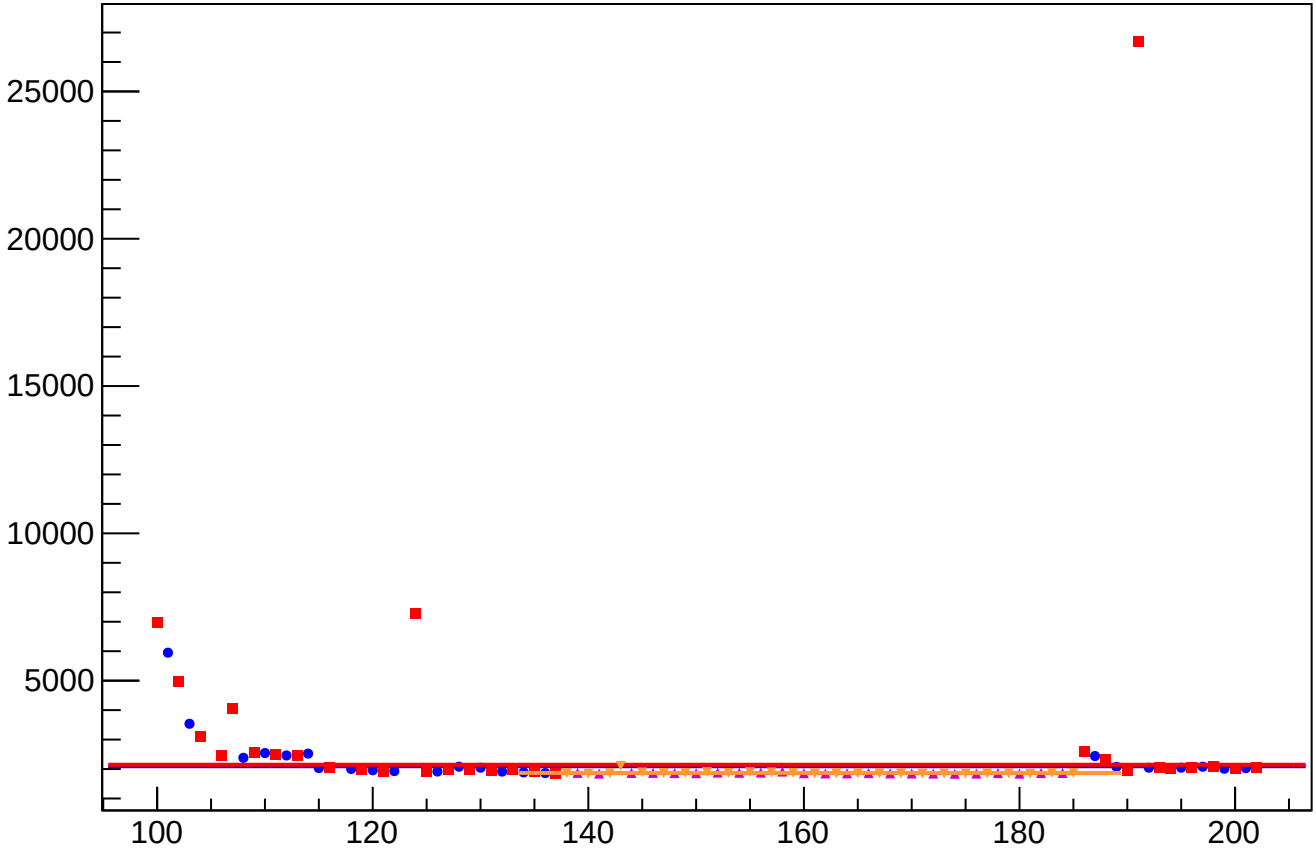
Right: -643.221+/-418.717 χ^2/NDF: 44.2/51

In: -437.851+/-353.615 χ^2/NDF:52.3/45

Out: -952.591+/-342.232 χ^2/NDF:49.2/53

All: -703.639+/-245.920 χ^2/NDF: 102.6/99

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2095.294+/-0.429 χ^2/NDF: 892794.7/22

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2145.616+/-0.409 χ^2/NDF: 1319360.7/28

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

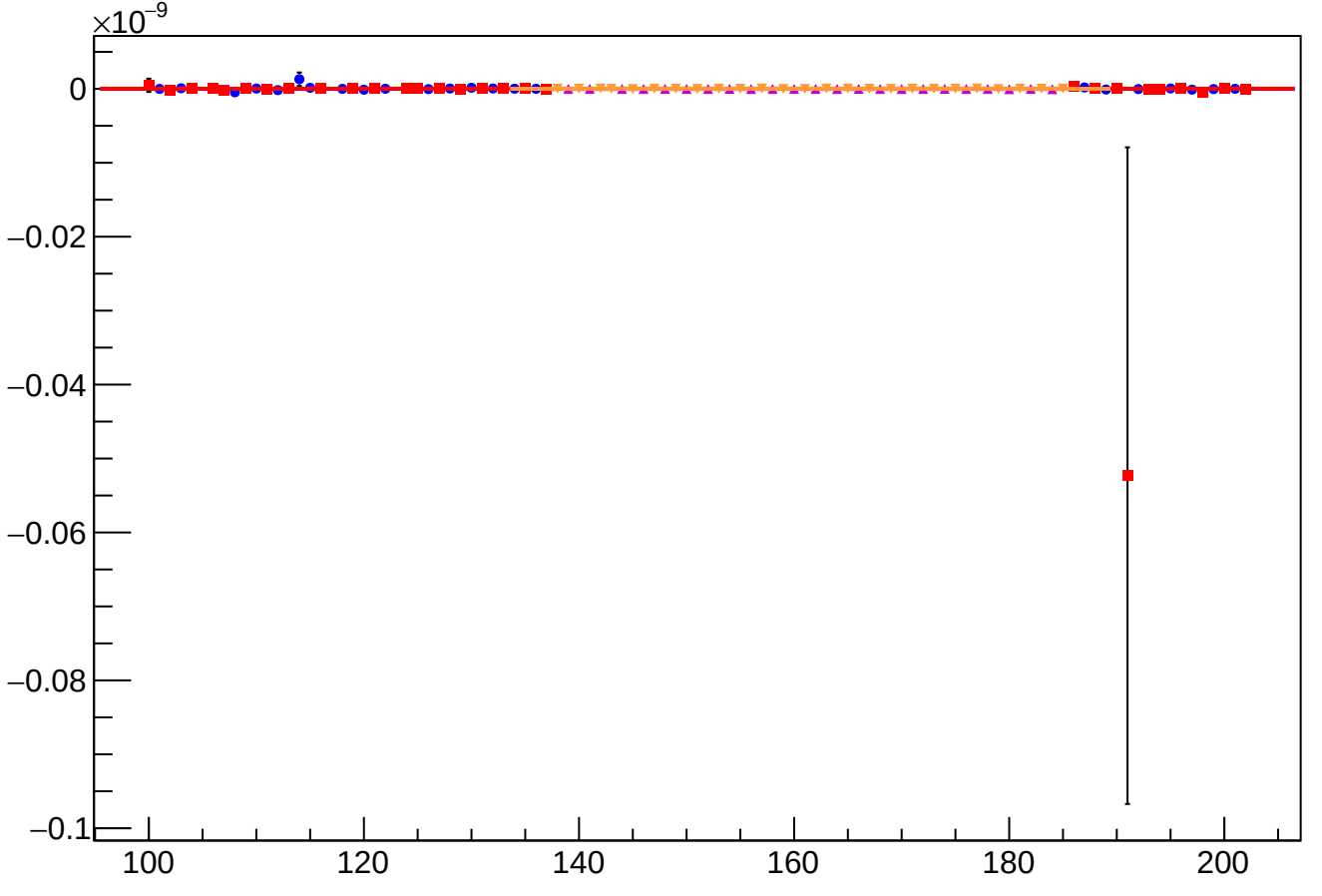
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2121.696+/-0.296 χ^2/NDF: 2219359.6/51

In: 1941.638+/-0.250 χ^2/NDF:1089195.7/45

Out: 1965.914+/-0.242 χ^2/NDF:1640248.7/53

All: 1954.173+/-0.174 χ^2/NDF: 2734311.3/99



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/28

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

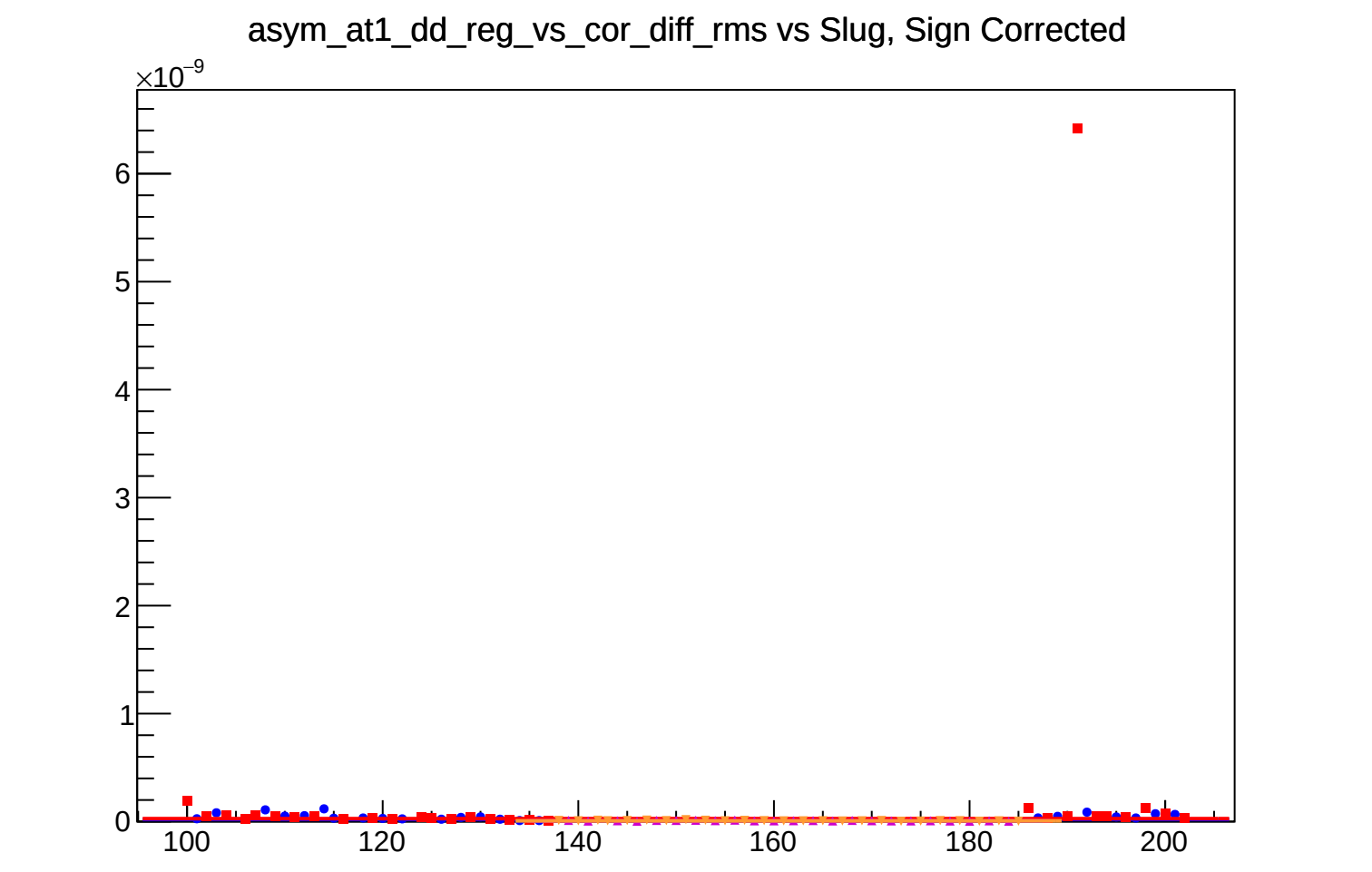
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 51.3/51

In: -0.000+/-0.000 χ^2/NDF:39.6/45

Out: 0.000+/-0.000 χ^2/NDF:71.4/53

All: -0.000+/-0.000 χ^2/NDF: 113.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 4122106.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2949028.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

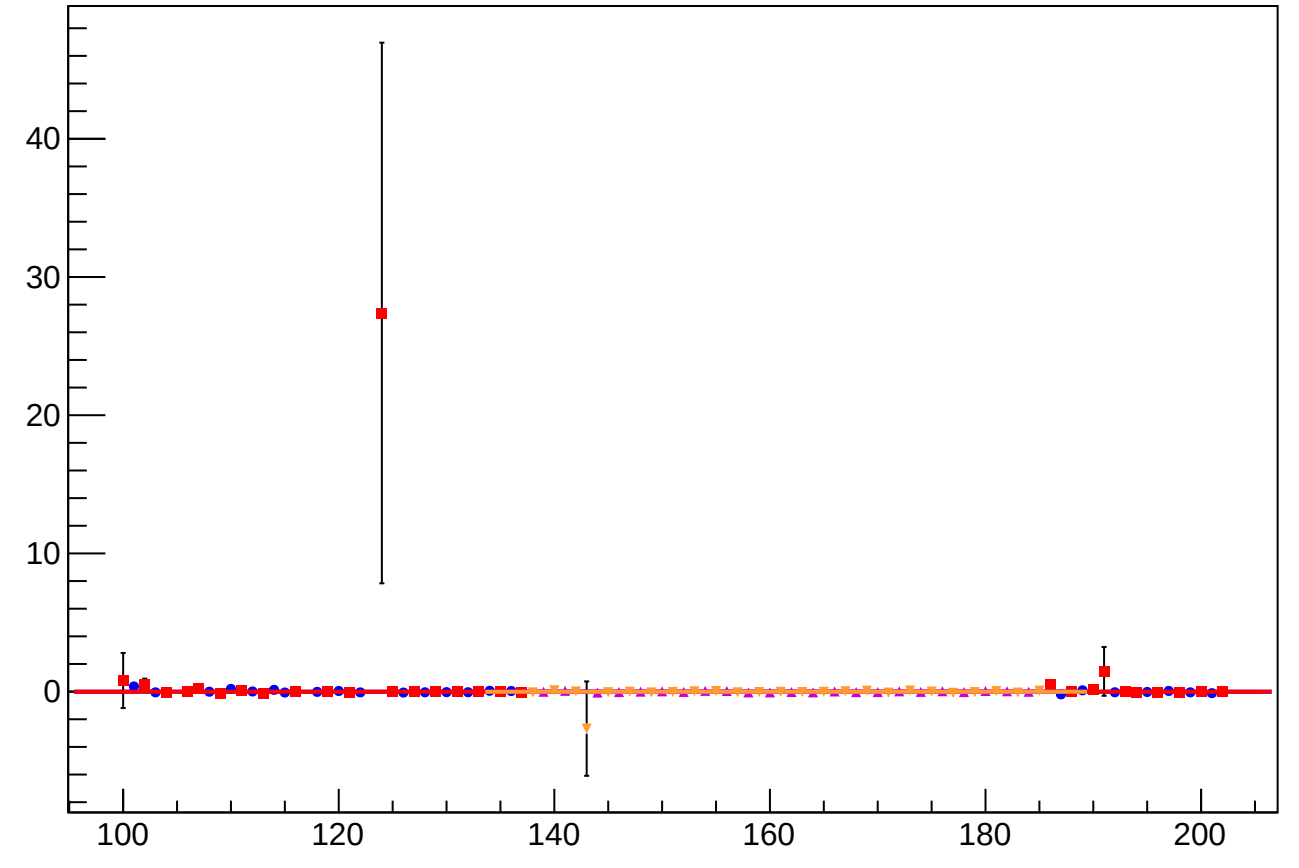
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7490988.2/51

In: 0.000+/-0.000 χ^2/NDF:7775564.0/45

Out: 0.000+/-0.000 χ^2/NDF:8891883.2/53

All: 0.000+/-0.000 χ^2/NDF: 16667447.2/99



Right In: -0.007+/-0.013 χ^2/NDF: 27.7/22

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.5/28

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

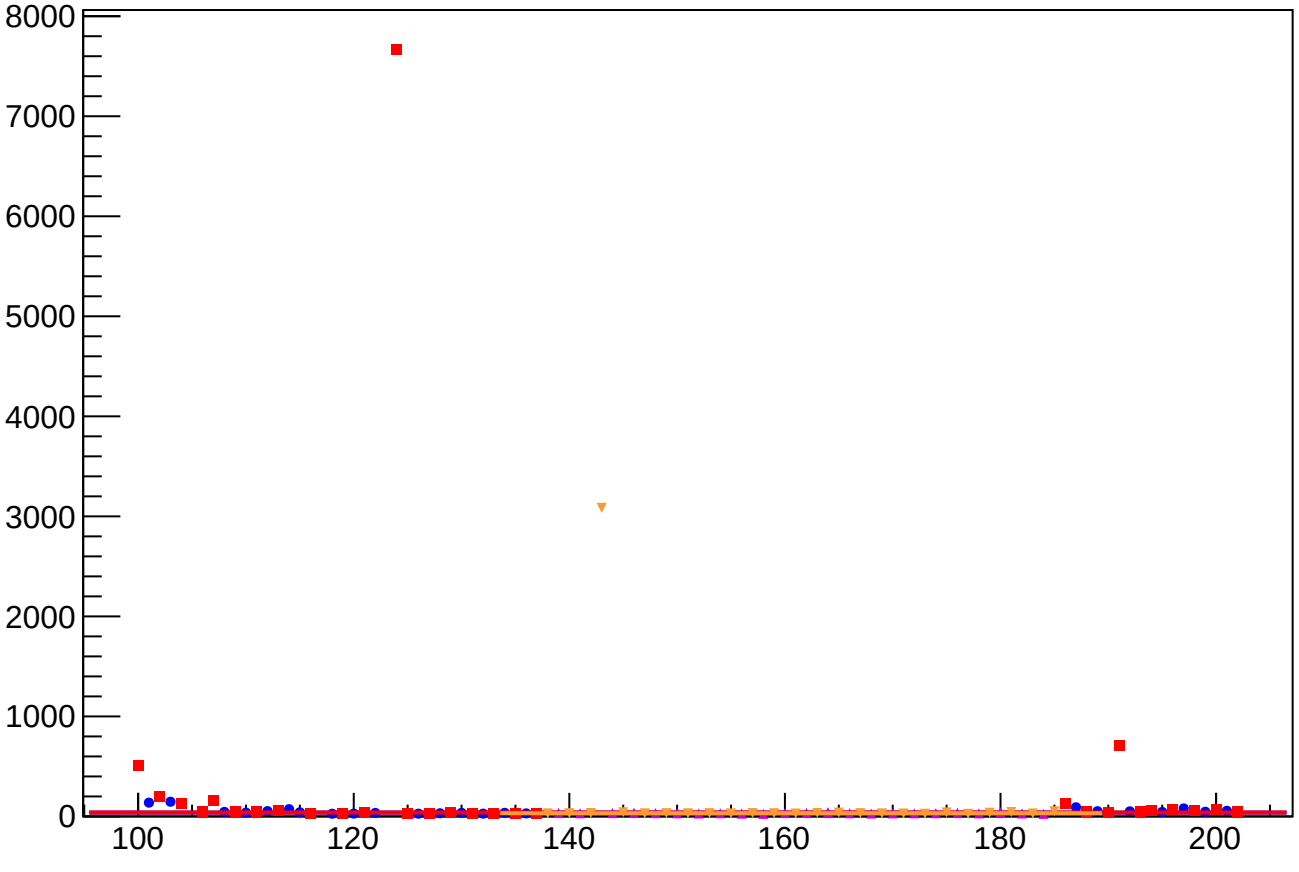
Right: -0.006+/-0.009 χ^2/NDF: 53.2/51

In: -0.005+/-0.007 χ^2/NDF:48.6/45

Out: -0.009+/-0.007 χ^2/NDF:65.1/53

All: -0.007+/-0.005 χ^2/NDF: 113.9/99

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.571+/-0.009 χ^2/NDF: 2788172.2/22

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 39.520+/-0.009 χ^2/NDF: 4212097.8/28

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

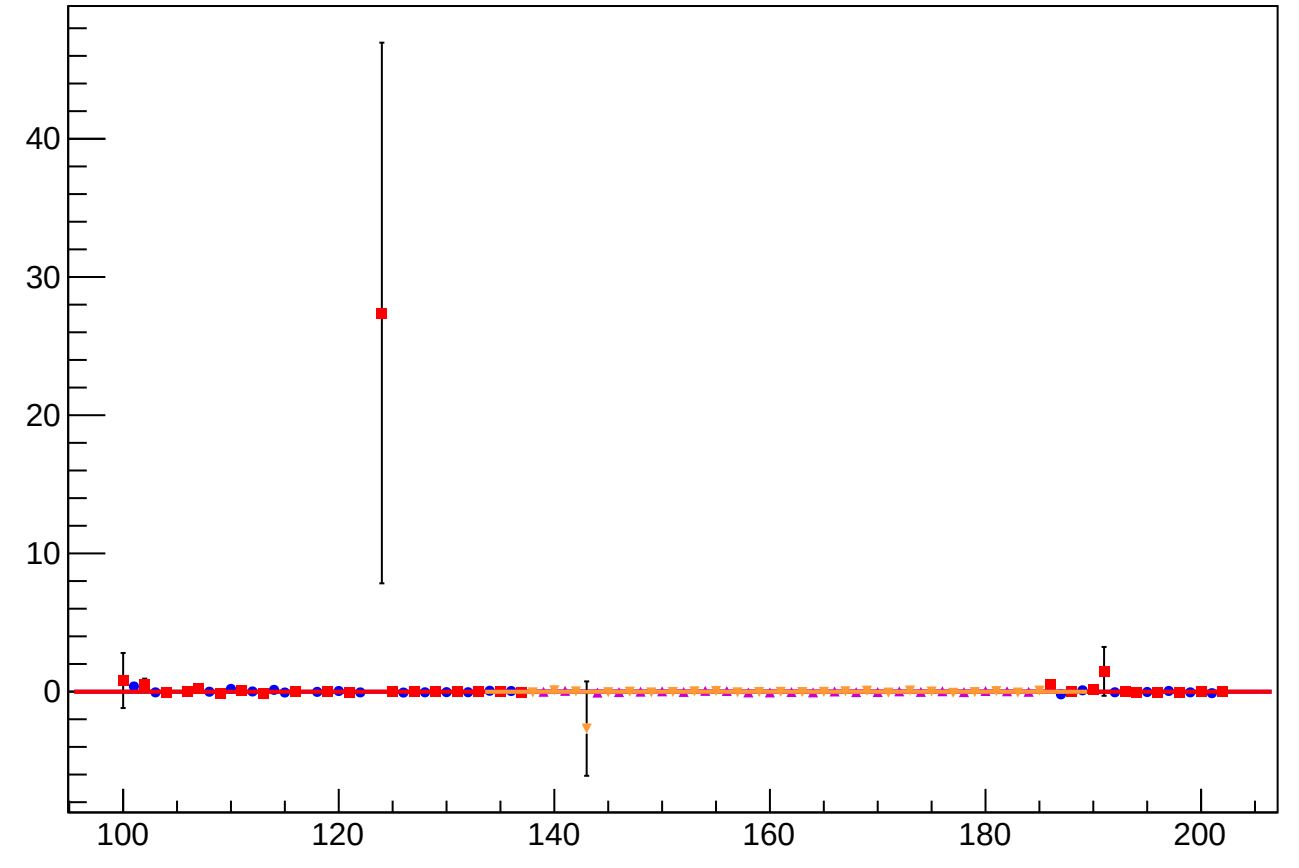
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 39.054+/-0.006 χ^2/NDF: 7005855.4/51

In: 34.233+/-0.005 χ^2/NDF:3538760.0/45

Out: 34.449+/-0.005 χ^2/NDF:6797325.2/53

All: 34.342+/-0.003 χ^2/NDF: 10337056.2/99



Right In: -0.007+/-0.013 χ^2/NDF: 27.7/22

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.5/28

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

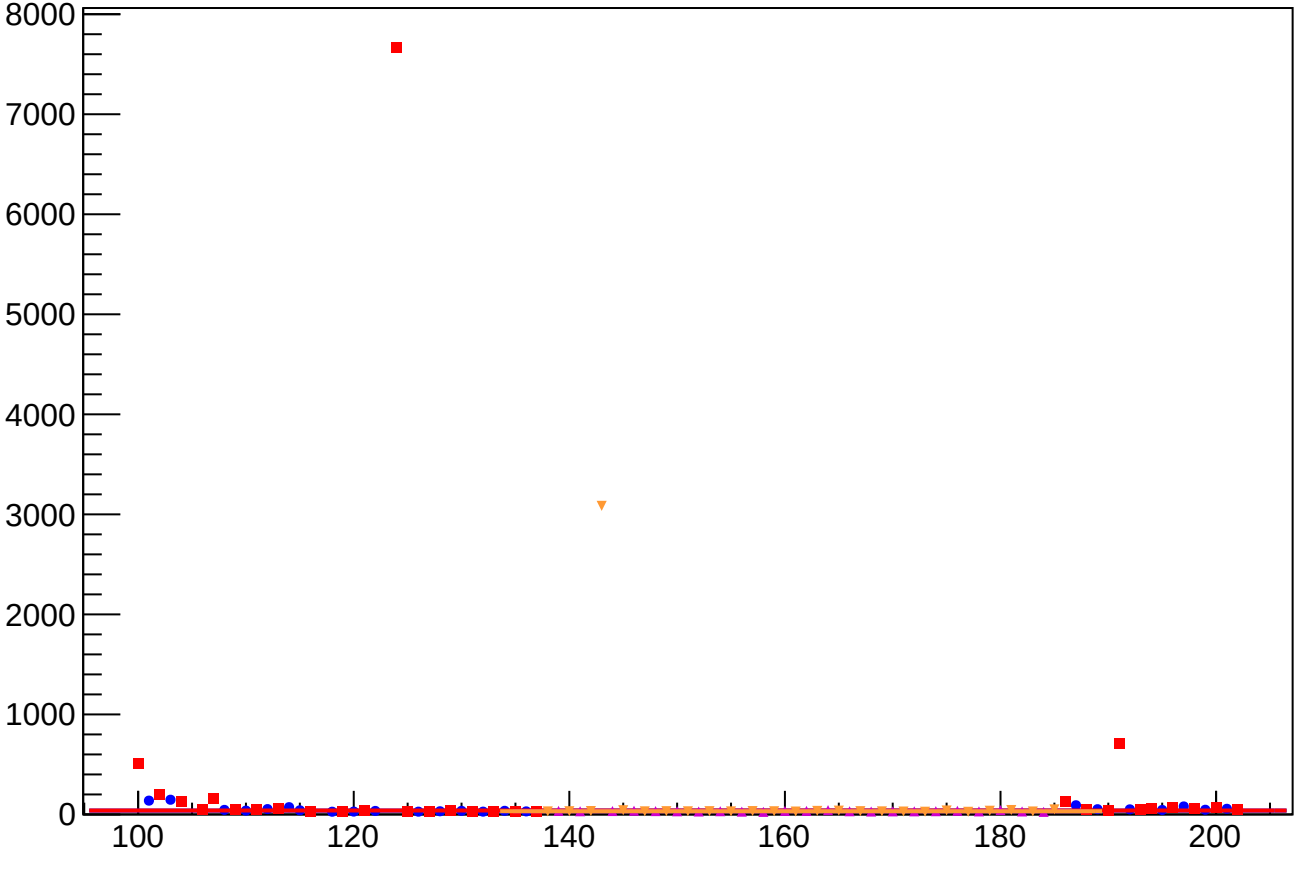
Right: -0.006+/-0.009 χ^2/NDF: 53.2/51

In: -0.005+/-0.007 χ^2/NDF:48.6/45

Out: -0.009+/-0.007 χ^2/NDF:65.1/53

All: -0.007+/-0.005 χ^2/NDF: 113.9/99

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.571+/-0.009 χ^2/NDF: 2788172.2/22

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 39.520+/-0.009 χ^2/NDF: 4212097.8/28

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

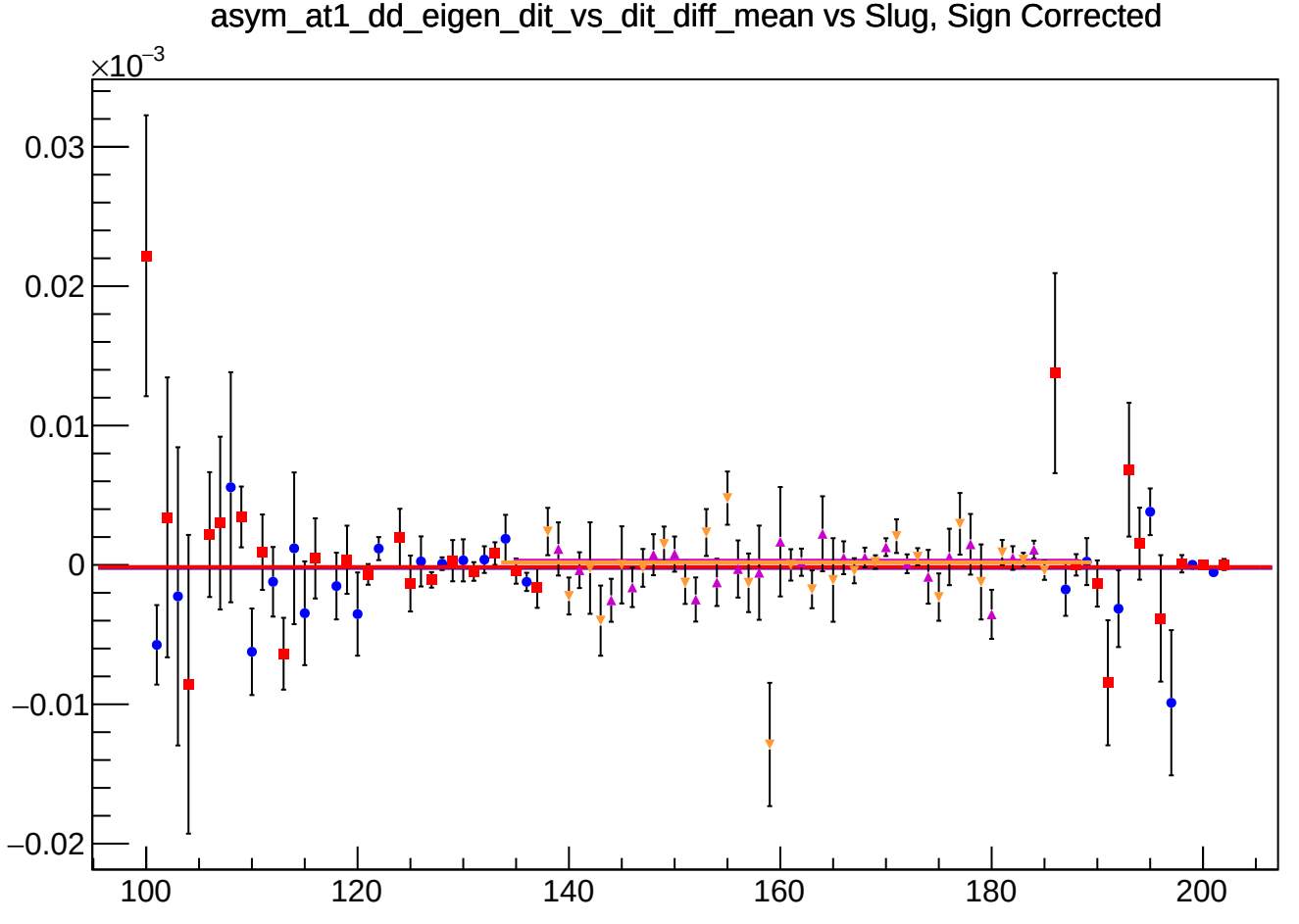
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 39.054+/-0.006 χ^2/NDF: 7005855.4/51

In: 34.233+/-0.005 χ^2/NDF:3538760.0/45

Out: 34.449+/-0.005 χ^2/NDF:6797325.2/53

All: 34.342+/-0.003 χ^2/NDF: 10337056.2/99



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

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/28

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

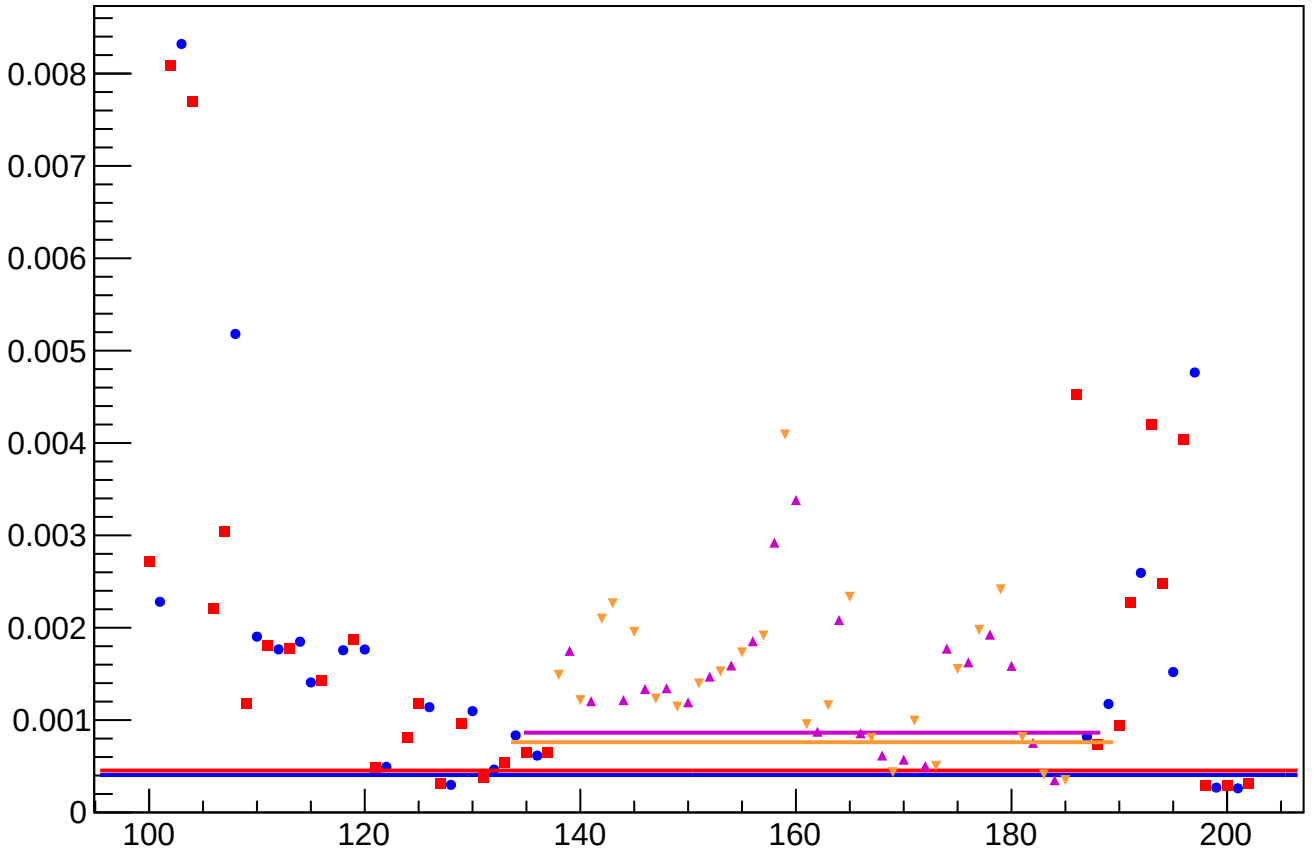
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 65.0/51

In: -0.000+/-0.000 χ^2/NDF:54.4/45

Out: -0.000+/-0.000 χ^2/NDF:73.0/53

All: -0.000+/-0.000 χ^2/NDF: 127.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 11249198.3/22

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11926028.5/28

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

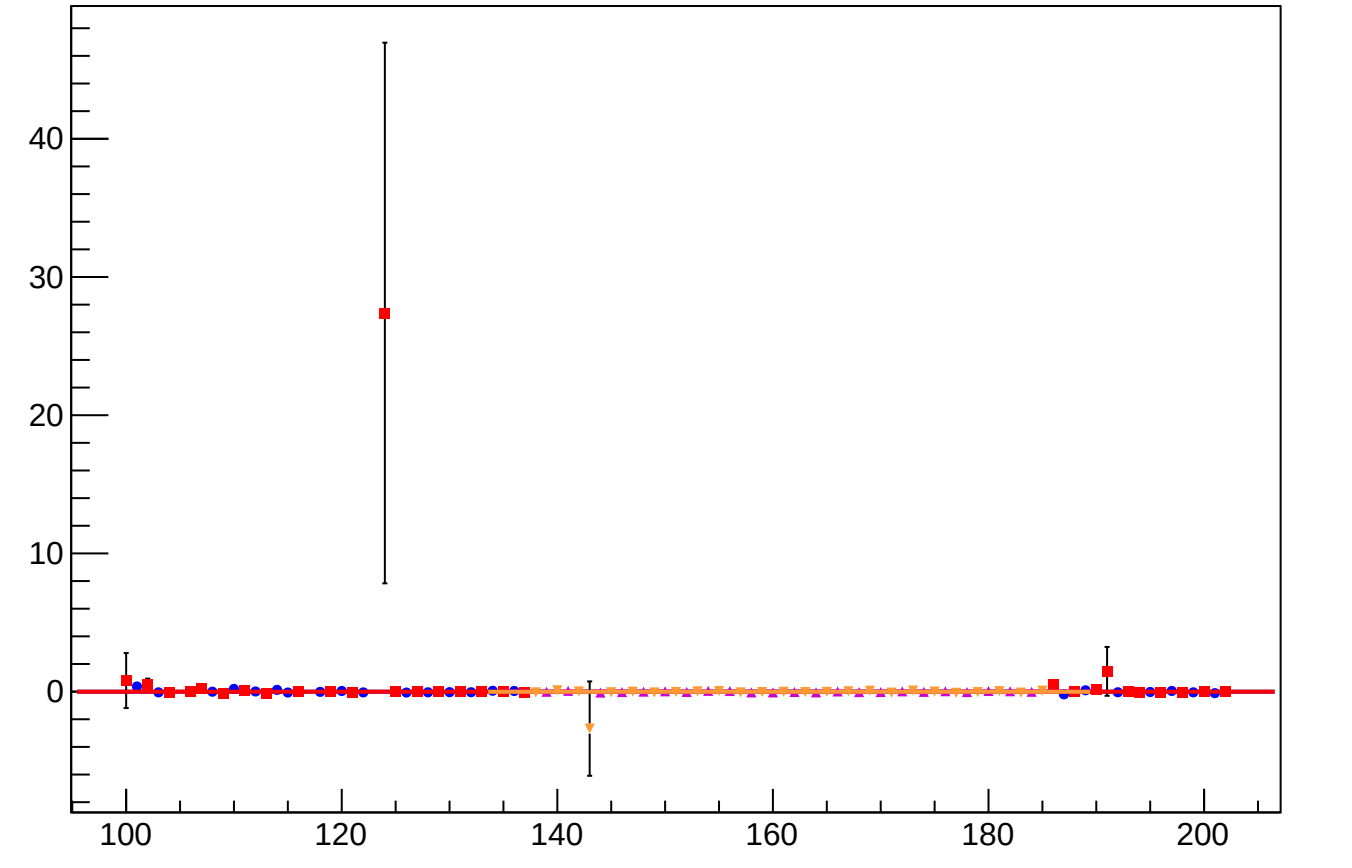
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.000+/-0.000 χ^2/NDF: 23259626.4/51

In: 0.001+/-0.000 χ^2/NDF:24670848.8/45

Out: 0.001+/-0.000 χ^2/NDF:25545655.5/53

All: 0.001+/-0.000 χ^2/NDF: 50243179.0/99



Right In: -0.007+/-0.013 χ^2/NDF: 27.7/22

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.5/28

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

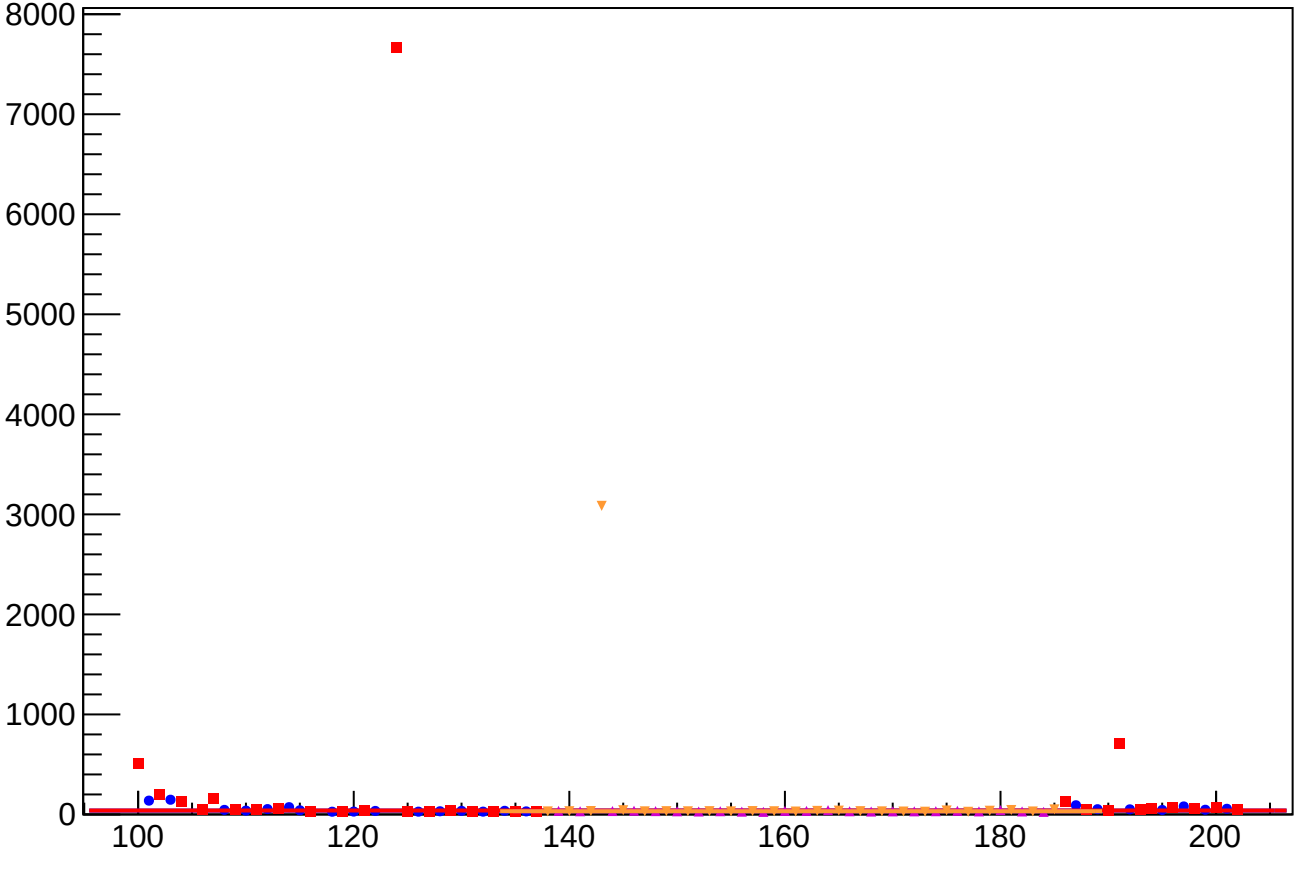
Right: -0.006+/-0.009 χ^2/NDF: 53.2/51

In: -0.005+/-0.007 χ^2/NDF:48.6/45

Out: -0.009+/-0.007 χ^2/NDF:65.1/53

All: -0.007+/-0.005 χ^2/NDF: 113.9/99

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.571+/-0.009 χ^2/NDF: 2788143.7/22

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 39.520+/-0.009 χ^2/NDF: 4212087.1/28

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

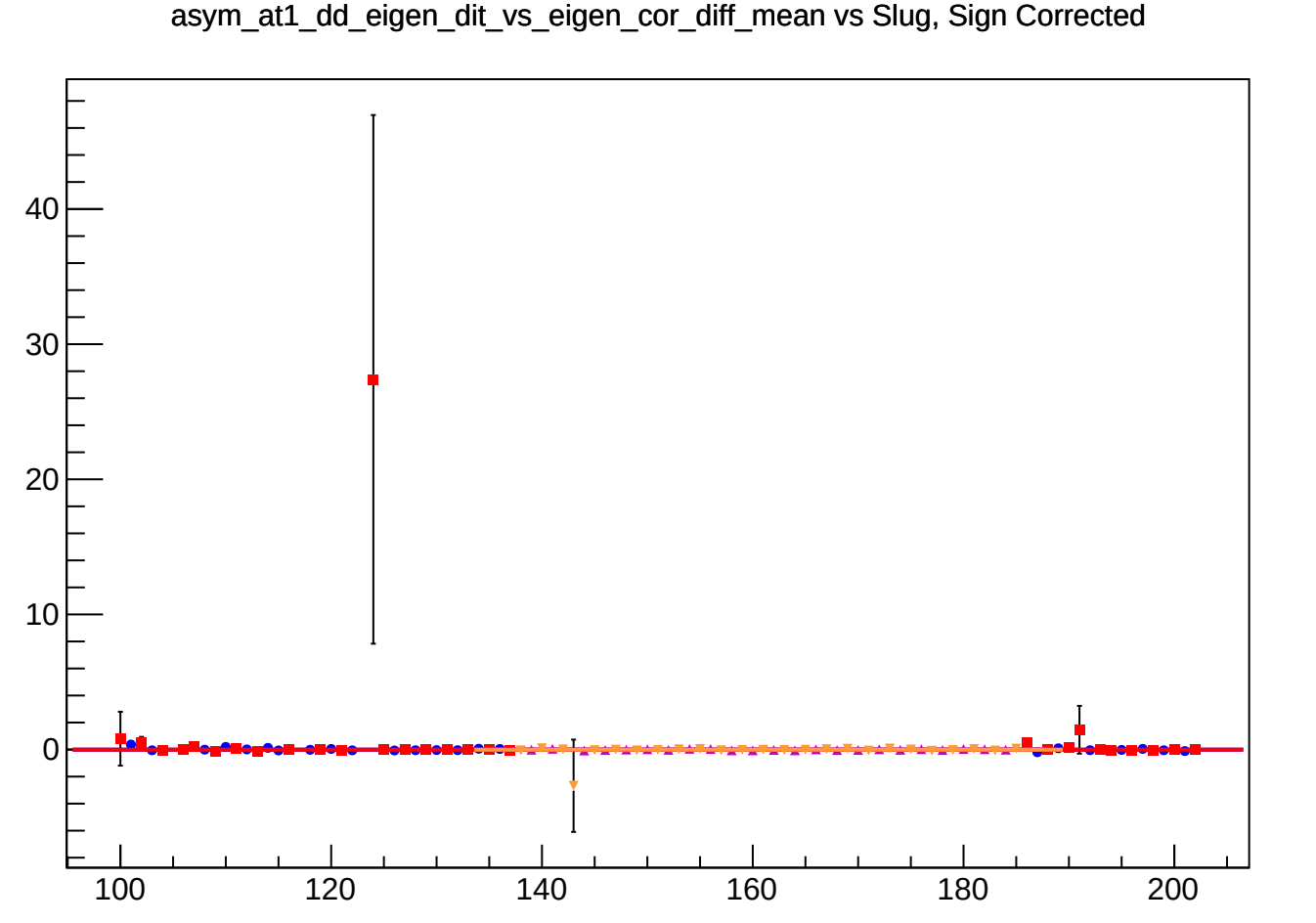
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 39.054+/-0.006 χ^2/NDF: 7005815.5/51

In: 34.234+/-0.005 χ^2/NDF:3538614.9/45

Out: 34.449+/-0.005 χ^2/NDF:6797352.7/53

All: 34.342+/-0.003 χ^2/NDF: 10336936.3/99



Right In: -0.007+/-0.013 χ^2/NDF: 27.7/22

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.5/28

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

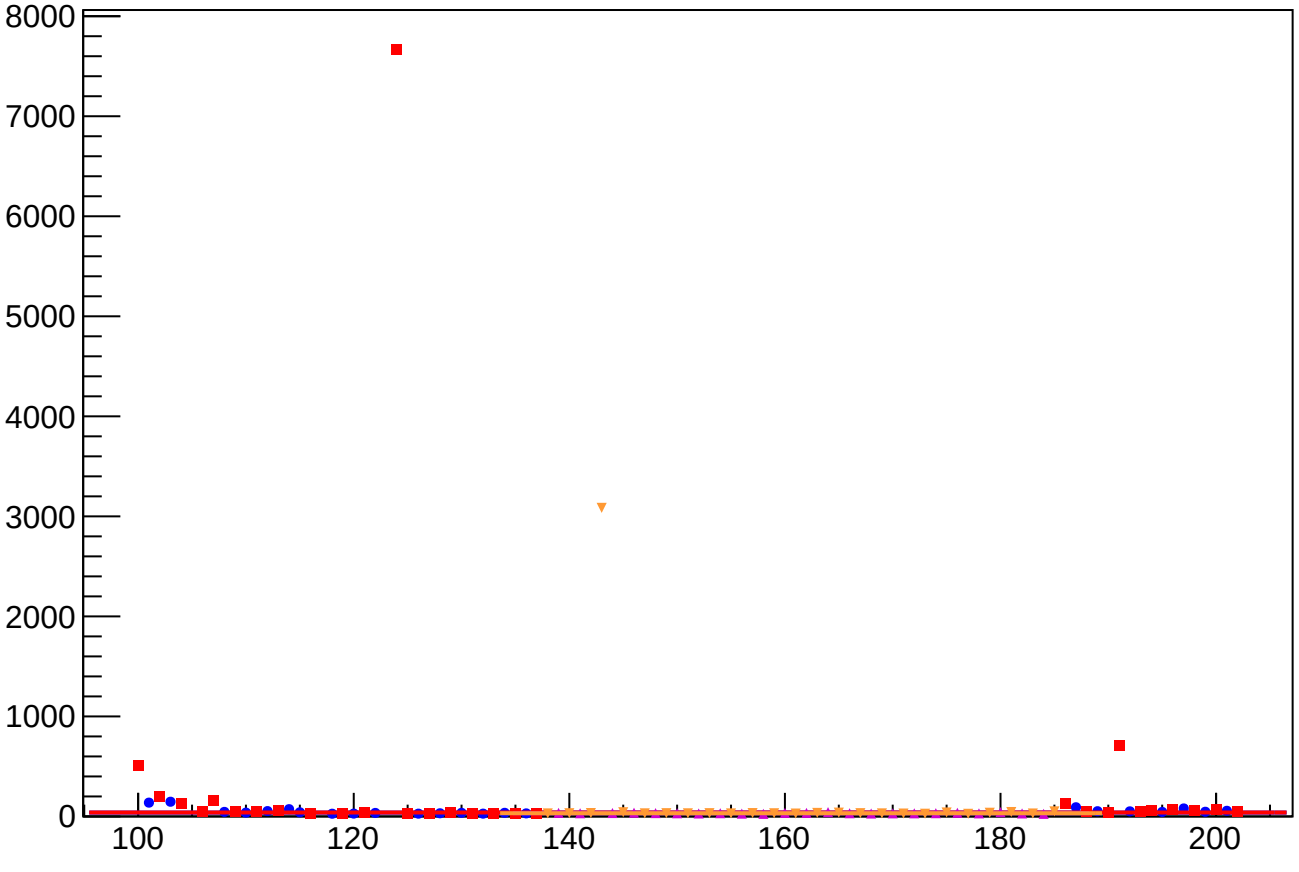
Right: -0.006+/-0.009 χ^2/NDF: 53.2/51

In: -0.005+/-0.007 χ^2/NDF:48.6/45

Out: -0.009+/-0.007 χ^2/NDF:65.1/53

All: -0.007+/-0.005 χ^2/NDF: 113.9/99

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.571+/-0.009 χ^2/NDF: 2788143.7/22

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 39.520+/-0.009 χ^2/NDF: 4212087.1/28

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

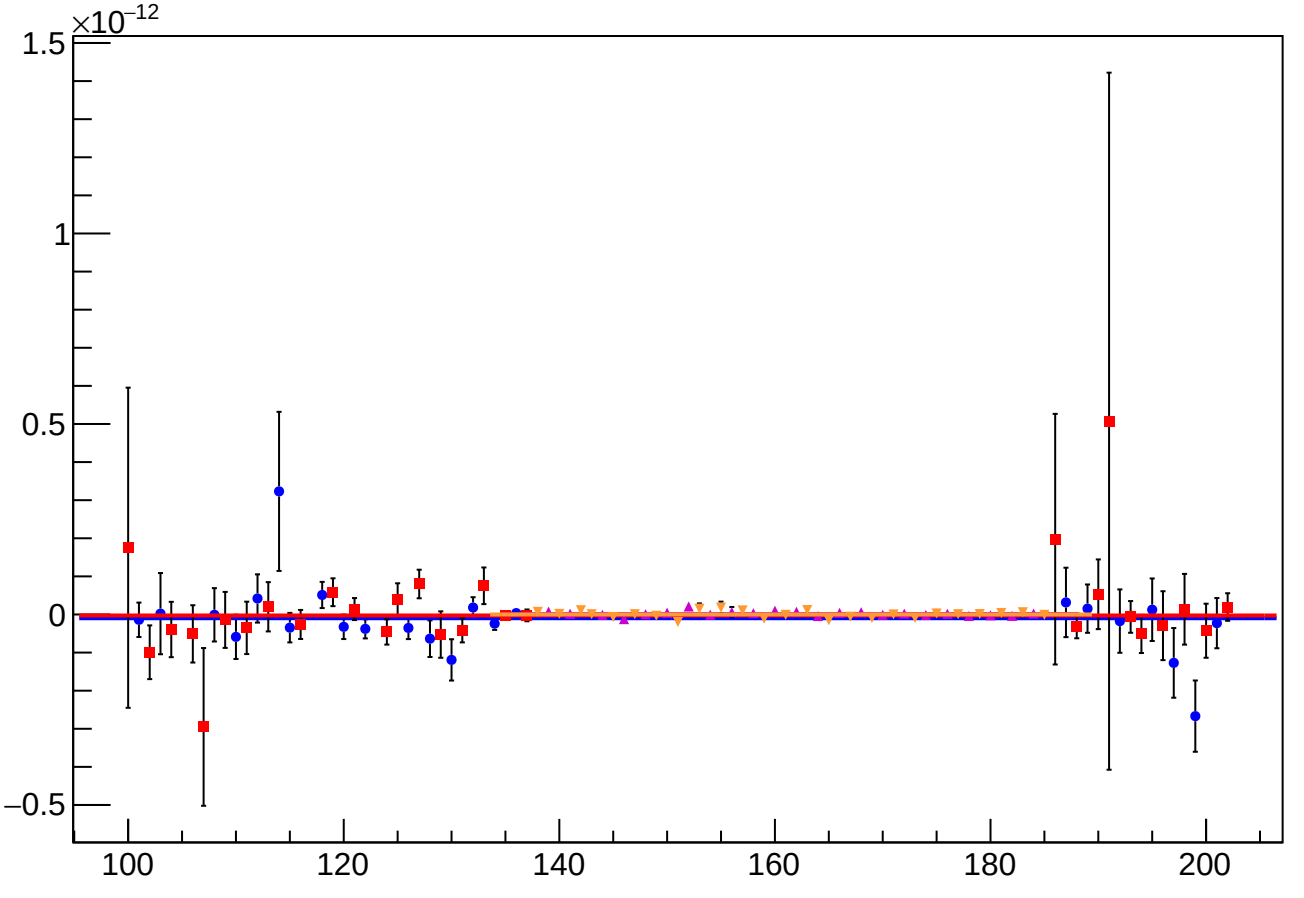
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 39.054+/-0.006 χ^2/NDF: 7005815.5/51

In: 34.234+/-0.005 χ^2/NDF:3538614.9/45

Out: 34.449+/-0.005 χ^2/NDF:6797352.7/53

All: 34.342+/-0.003 χ^2/NDF: 10336936.3/99



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

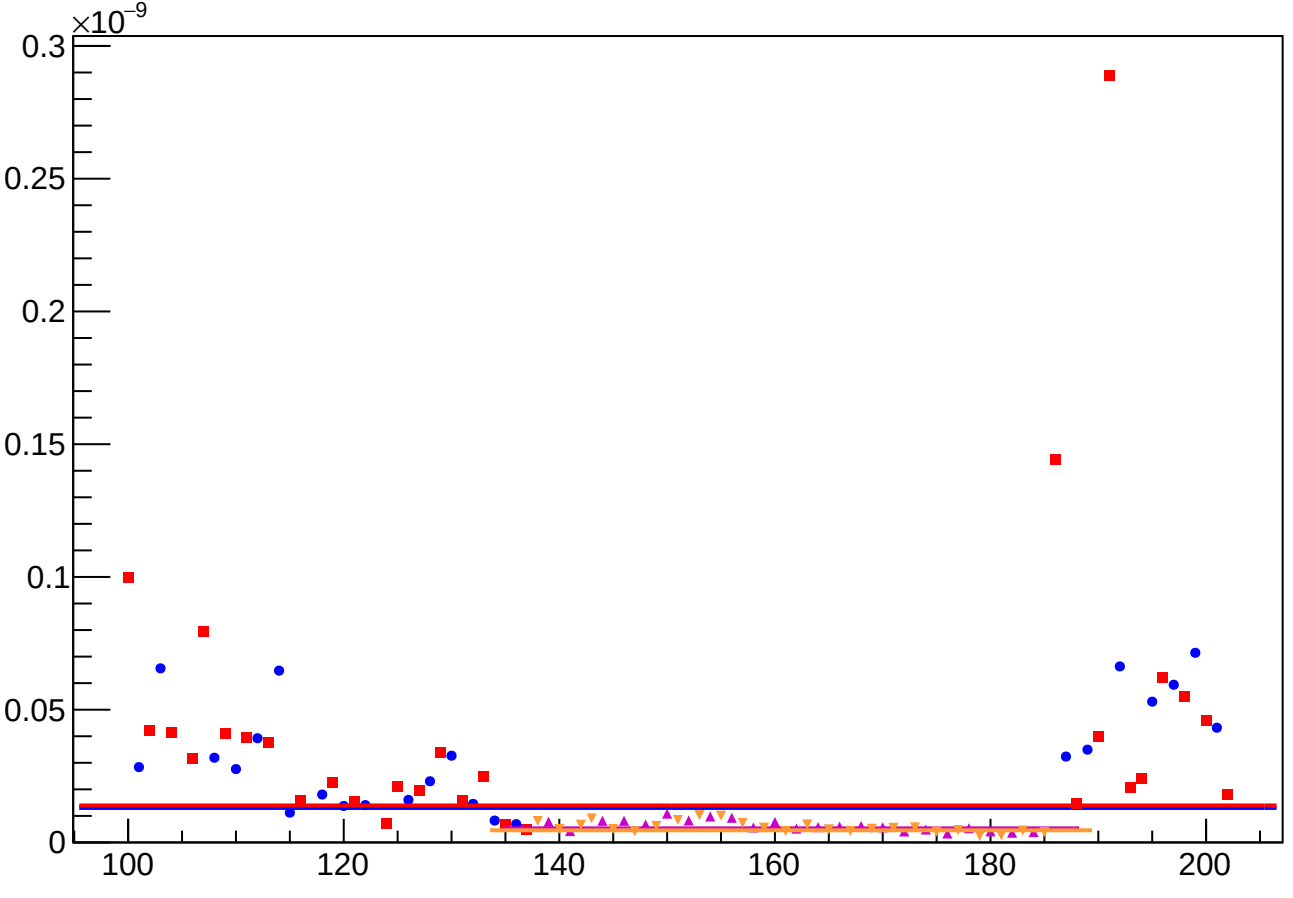
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 54.3/51

In: 0.000+/-0.000 χ^2/NDF:41.0/45

Out: -0.000+/-0.000 χ^2/NDF:45.9/53

All: 0.000+/-0.000 χ^2/NDF: 87.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 6290957.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6060226.5/28

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

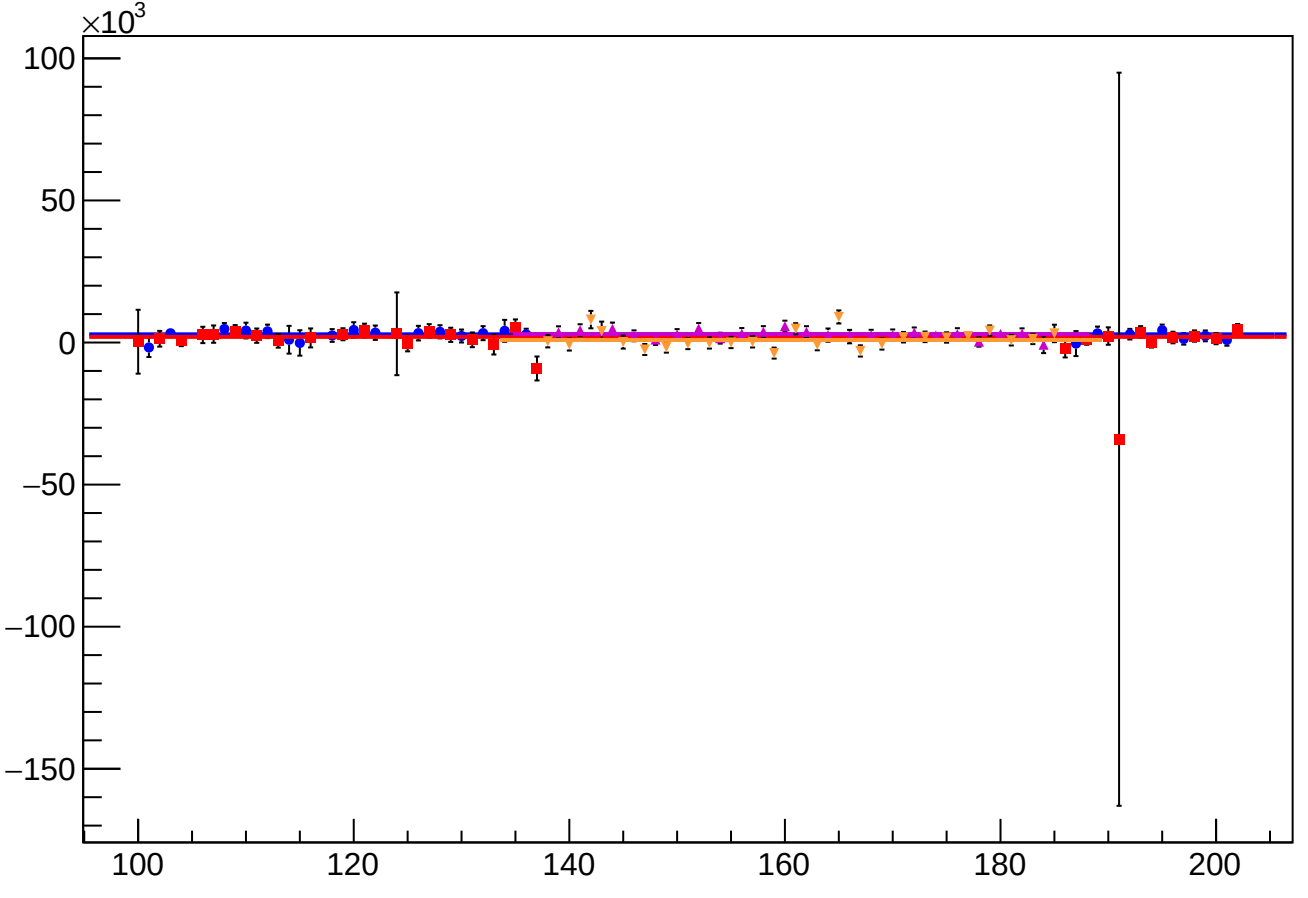
Right: 0.000+/-0.000 χ^2/NDF: 12371788.2/51

In: 0.000+/-0.000 χ^2/NDF:11365569.7/45

Out: 0.000+/-0.000 χ^2/NDF:12606784.8/53

All: 0.000+/-0.000 χ^2/NDF: 24243209.2/99

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2881.641+/-496.055 χ^2/NDF: 7.3/22

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1985.250+/-465.596 χ^2/NDF: 20.1/28

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

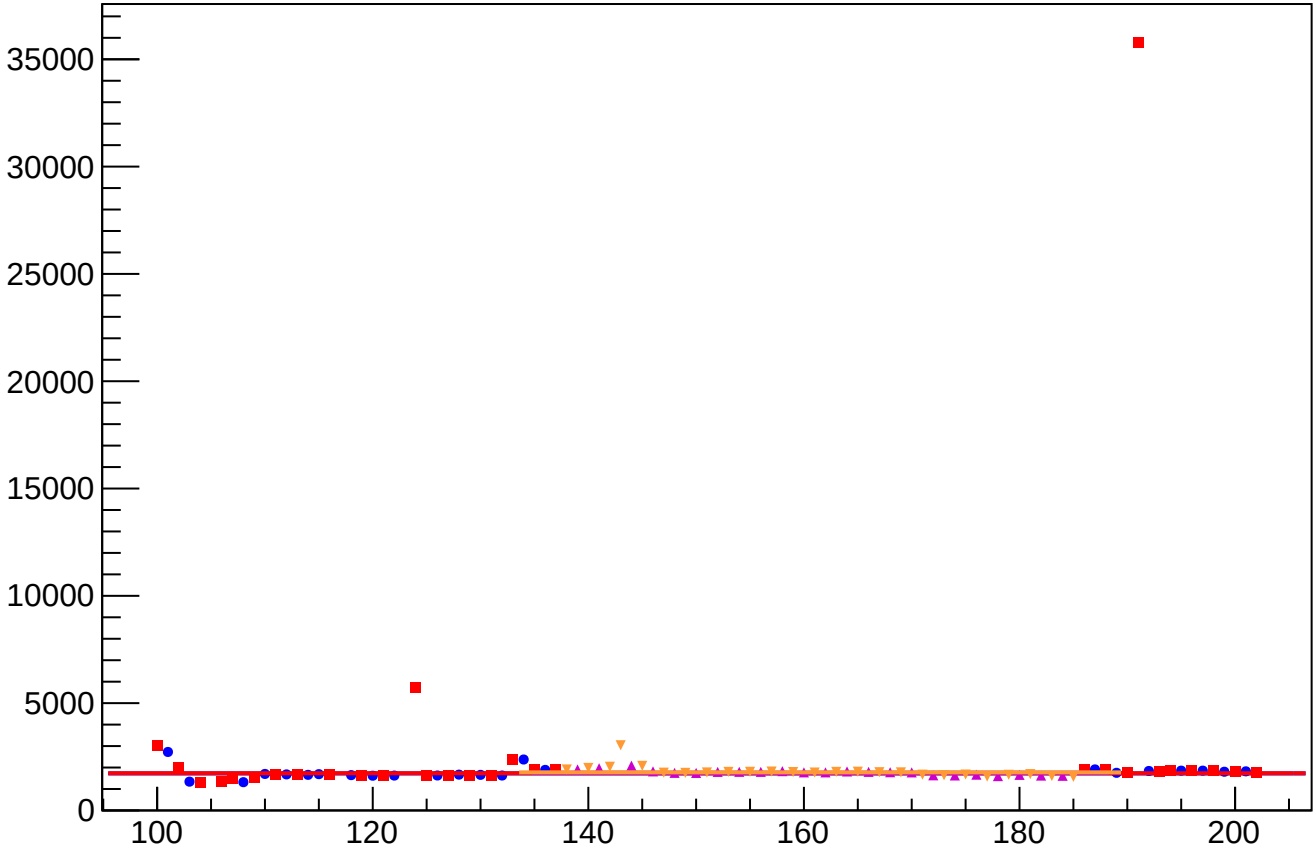
Right: 2405.081+/-339.484 χ^2/NDF: 29.1/51

In: 2918.116+/-316.972 χ^2/NDF:17.9/45

Out: 1367.550+/-305.804 χ^2/NDF:68.5/53

All: 2115.035+/-220.078 χ^2/NDF: 98.7/99

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.125+/-0.351 χ^2/NDF: 471593.8/22

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1733.113+/-0.329 χ^2/NDF: 666021.2/28

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

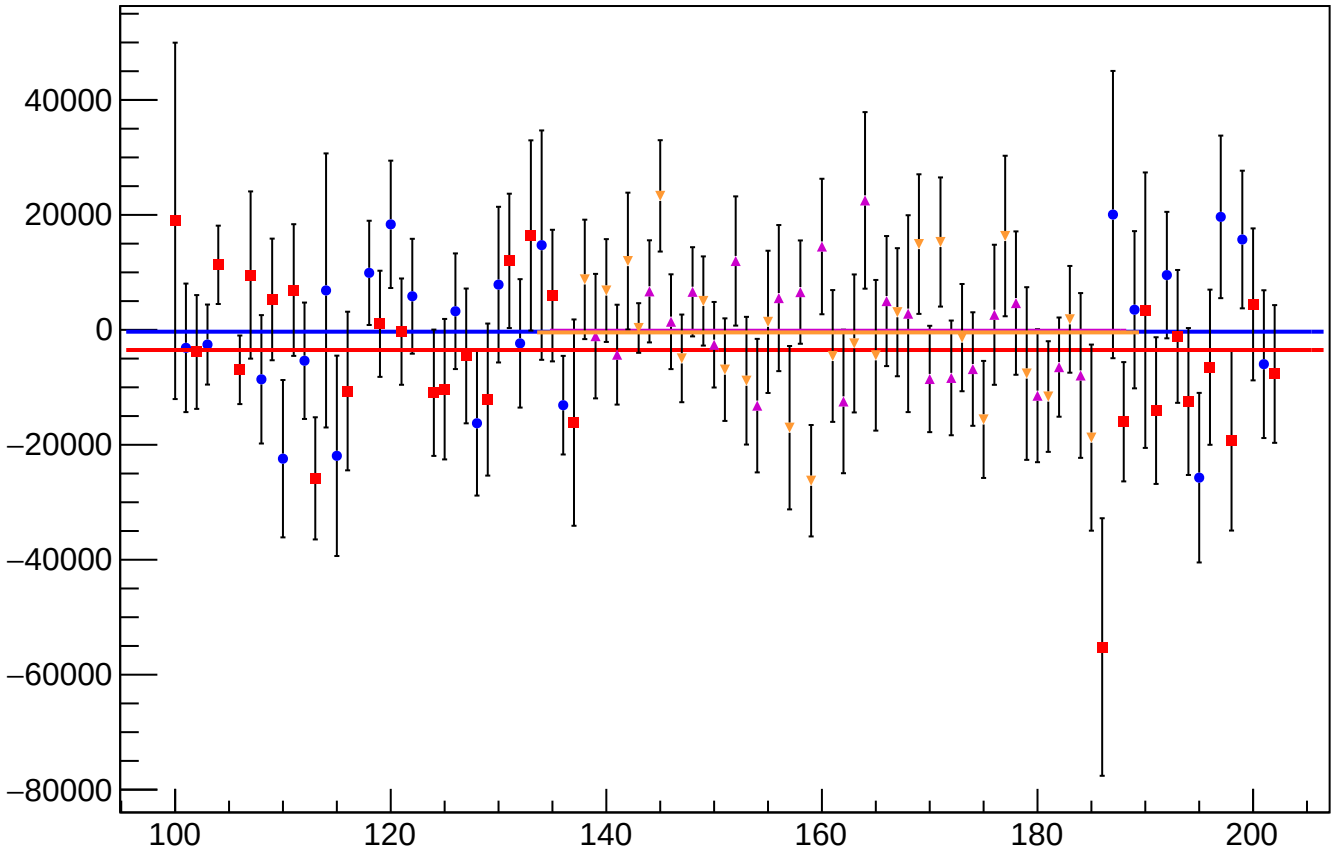
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1729.372+/-0.240 χ^2/NDF: 1137890.8/51

In: 1746.404+/-0.224 χ^2/NDF:624080.6/45

Out: 1756.777+/-0.216 χ^2/NDF:1122003.3/53

All: 1751.777+/-0.156 χ^2/NDF: 1747193.2/99



Right In: -321.016+/-2420.551 χ^2/NDF: 23.1/22

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3507.220+/-2111.241 χ^2/NDF: 28.2/28

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

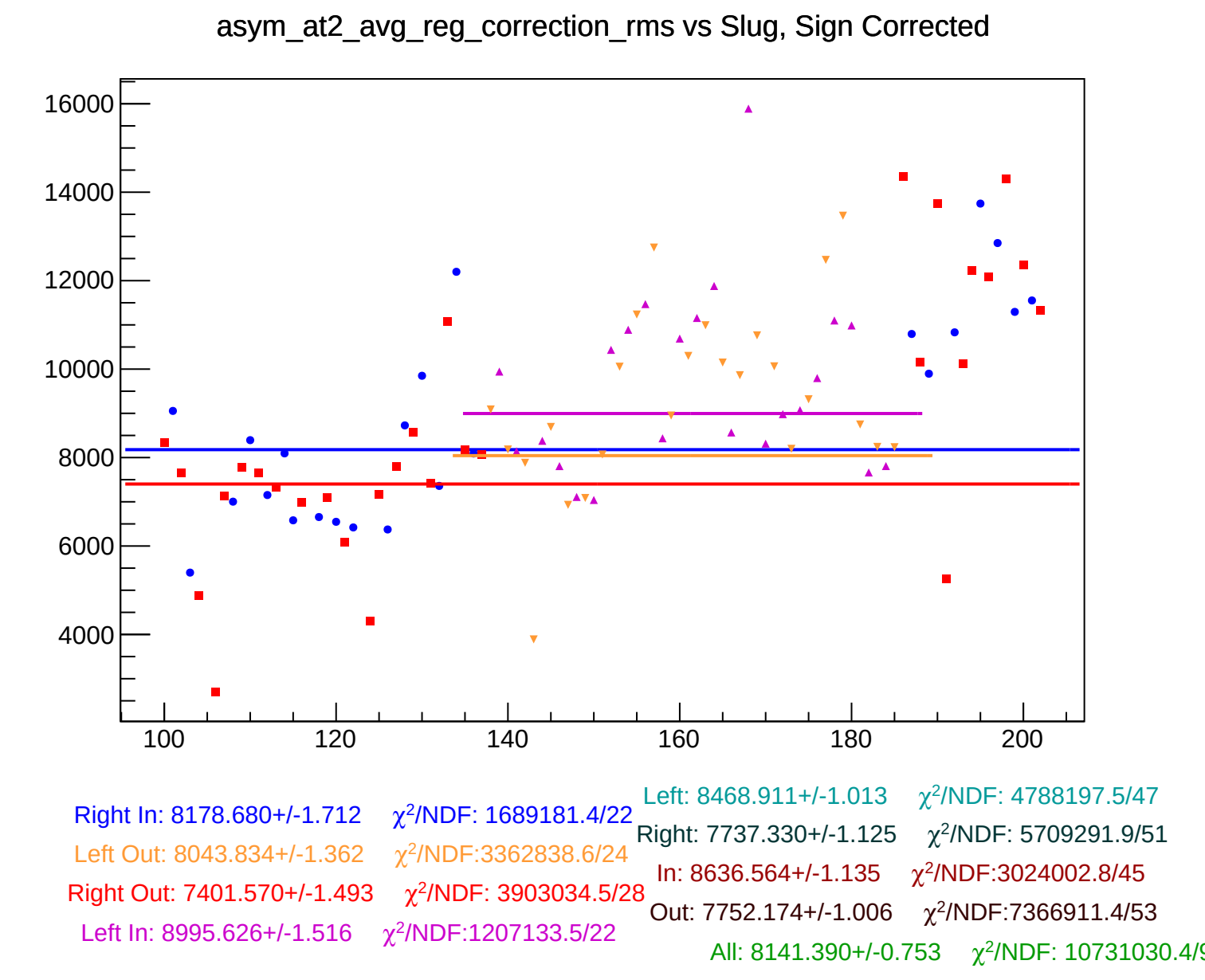
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2130.578+/-1591.065 χ^2/NDF: 52.2/51

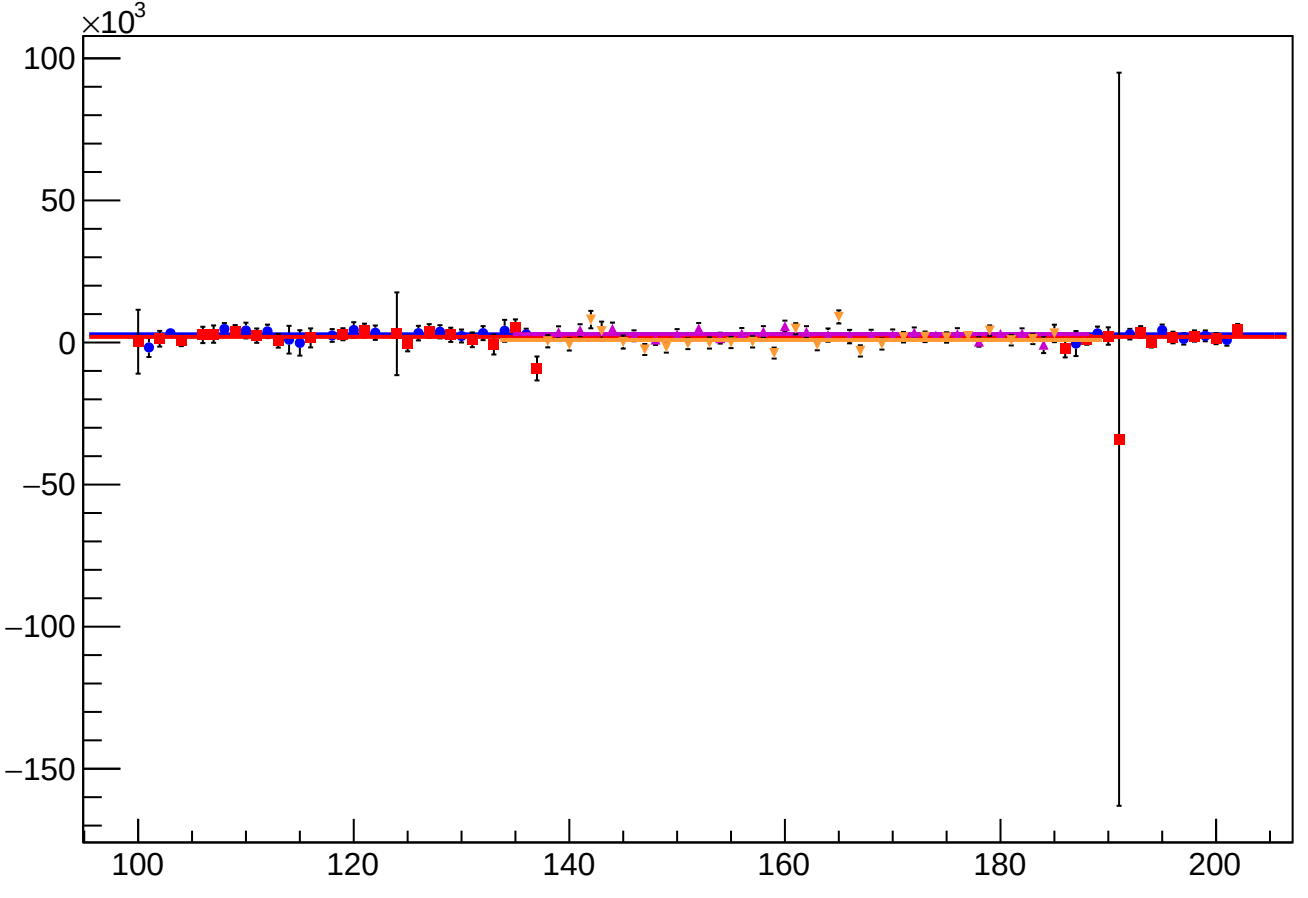
In: -228.117+/-1604.731 χ^2/NDF:36.9/45

Out: -1834.686+/-1422.719 χ^2/NDF:58.8/53

All: -1127.642+/-1064.574 χ^2/NDF: 96.2/99


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8178.680+/-1.712 χ²/NDF: 1689181.4/22
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7401.570+/-1.493 χ²/NDF: 3903034.5/28
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 7737.330+/-1.125 χ²/NDF: 5709291.9/51
In: 8636.564+/-1.135 χ²/NDF:3024002.8/45
Out: 7752.174+/-1.006 χ²/NDF:7366911.4/53
All: 8141.390+/-0.753 χ²/NDF: 10731030.4/9

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2881.722+/-496.056 χ^2/NDF: 7.3/22

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1985.145+/-465.596 χ^2/NDF: 20.1/28

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

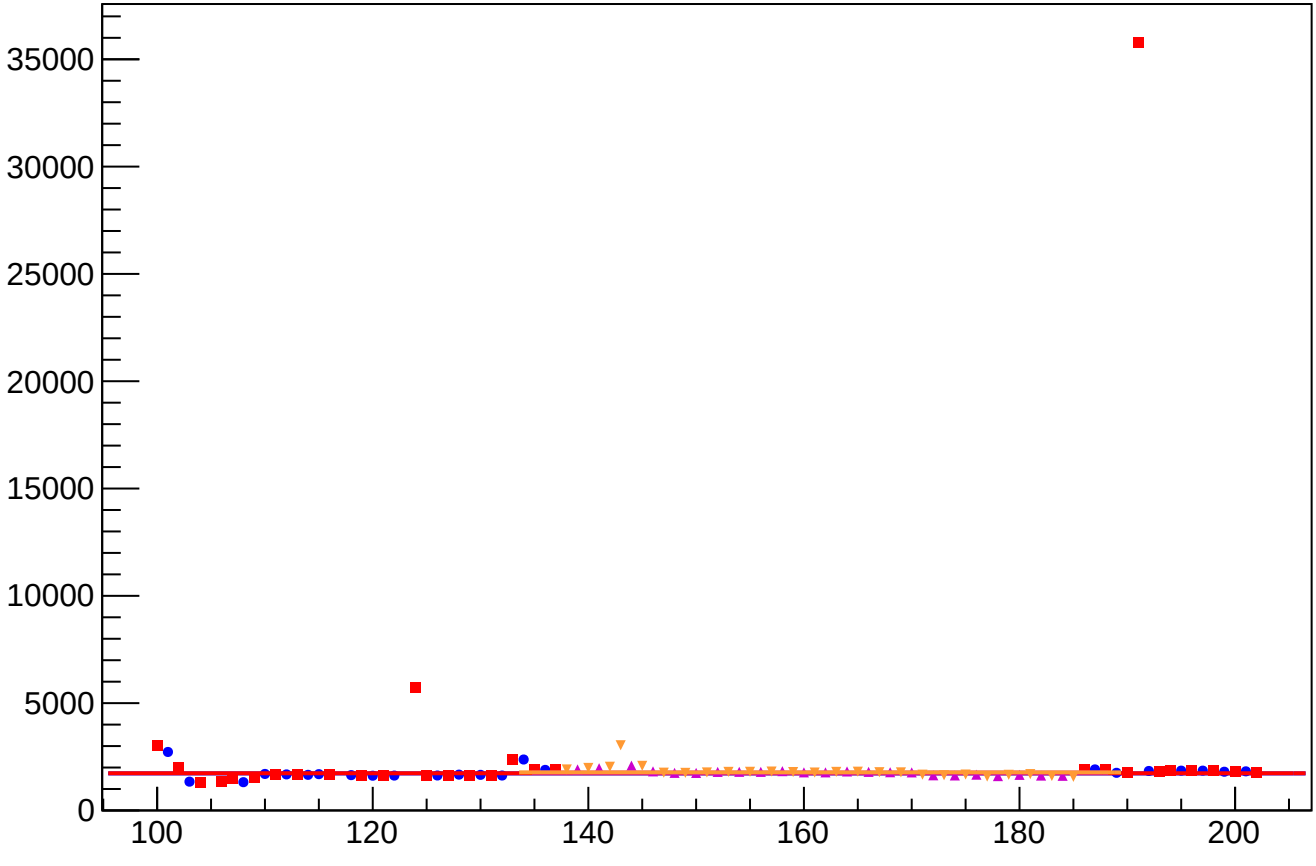
Right: 2405.063+/-339.484 χ^2/NDF: 29.1/51

In: 2918.082+/-316.972 χ^2/NDF:17.9/45

Out: 1367.459+/-305.804 χ^2/NDF:68.5/53

All: 2114.972+/-220.078 χ^2/NDF: 98.7/99

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.125+/-0.351 χ^2/NDF: 471594.2/22

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1733.113+/-0.329 χ^2/NDF: 666021.5/28

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

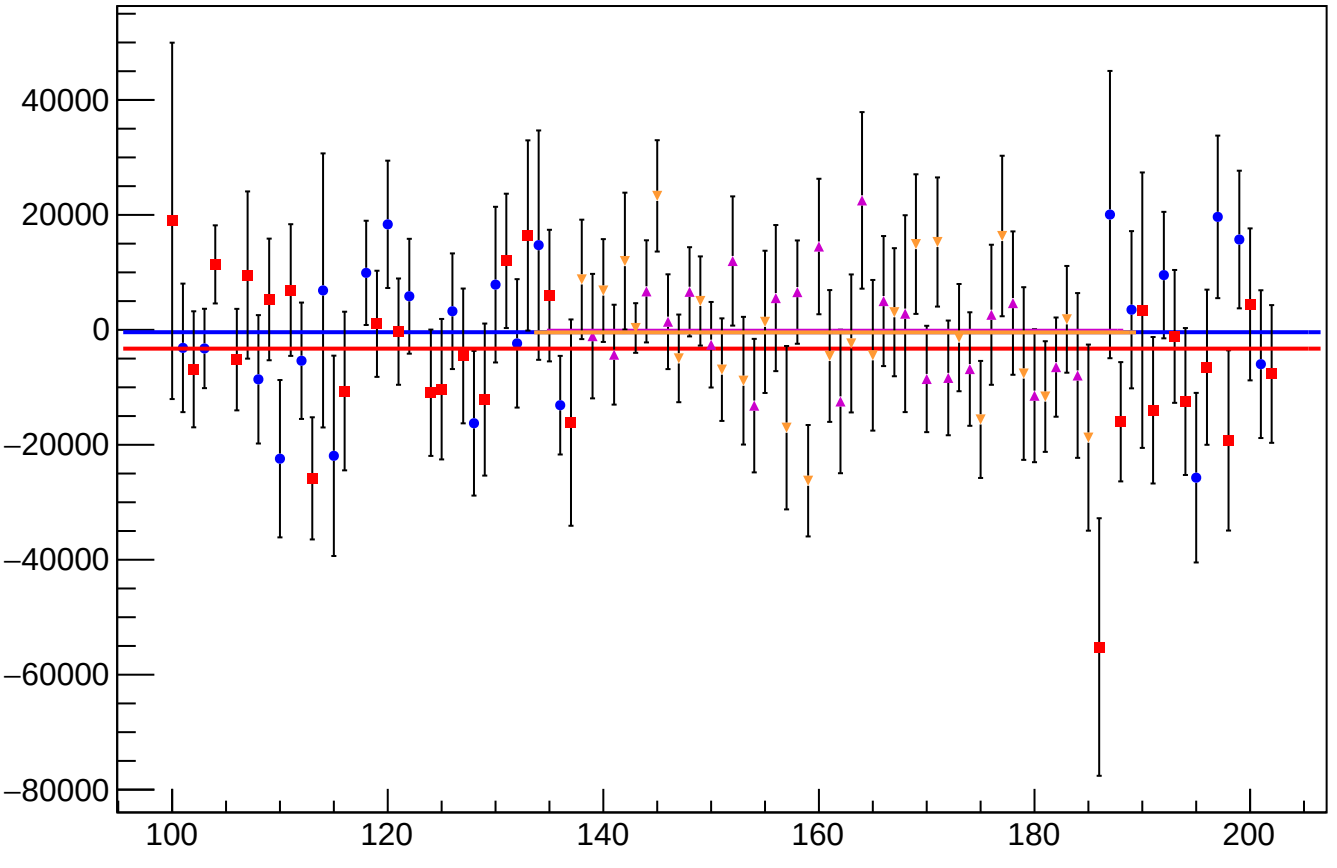
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1729.372+/-0.240 χ^2/NDF: 1137891.5/51

In: 1746.404+/-0.224 χ^2/NDF:624081.0/45

Out: 1756.777+/-0.216 χ^2/NDF:1122003.5/53

All: 1751.777+/-0.156 χ^2/NDF: 1747193.9/99



Right In: -409.010+/-2418.034 χ^2/NDF: 23.2/22

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3269.652+/-2188.352 χ^2/NDF: 28.0/28

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

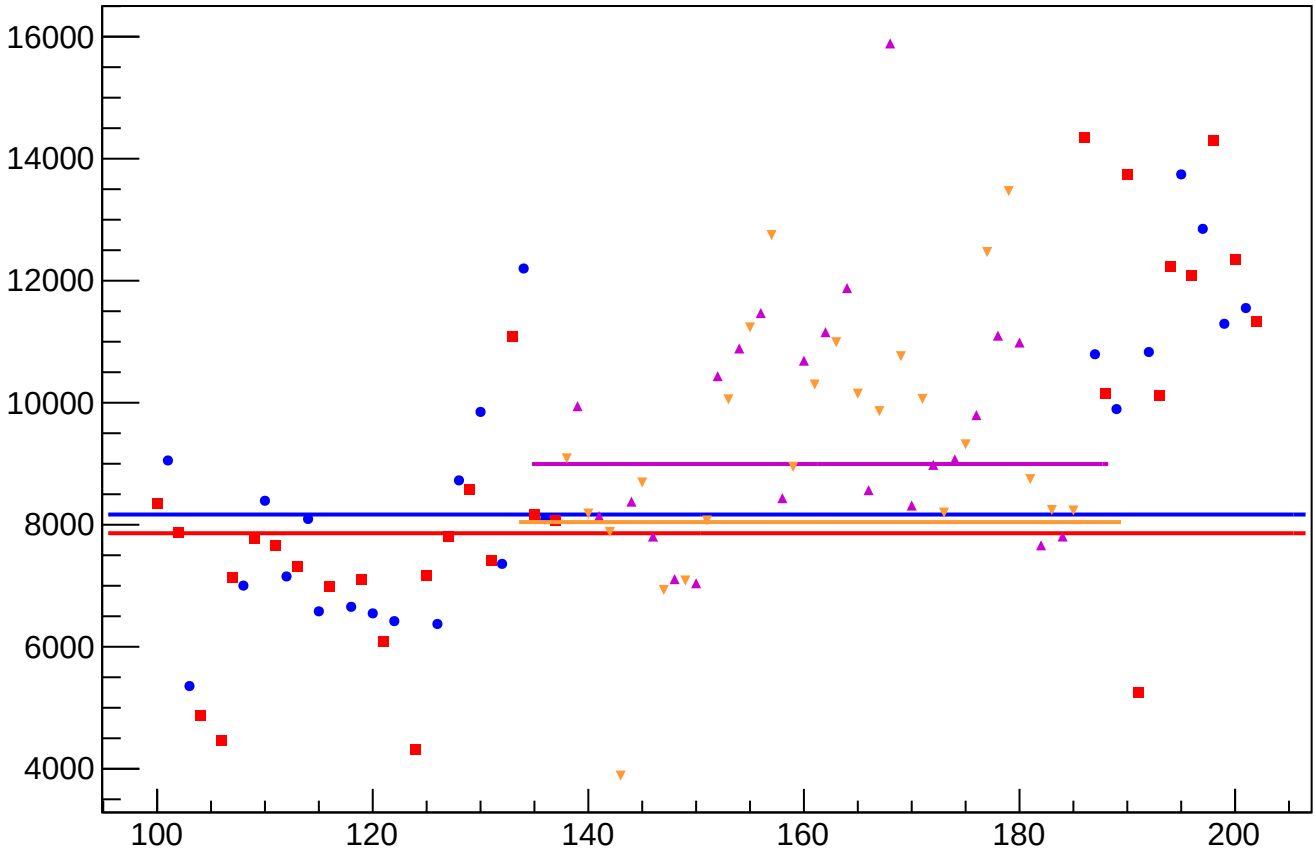
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1981.614+/-1622.539 χ^2/NDF: 52.0/51

In: -266.906+/-1603.996 χ^2/NDF:37.0/45

Out: -1676.744+/-1445.623 χ^2/NDF:58.4/53

All: -1044.844+/-1073.848 χ^2/NDF: 95.8/99



Right In: 8167.699+/-1.710 χ^2/NDF: 1704543.0/22

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7861.120+/-1.547 χ^2/NDF: 2800145.6/28

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

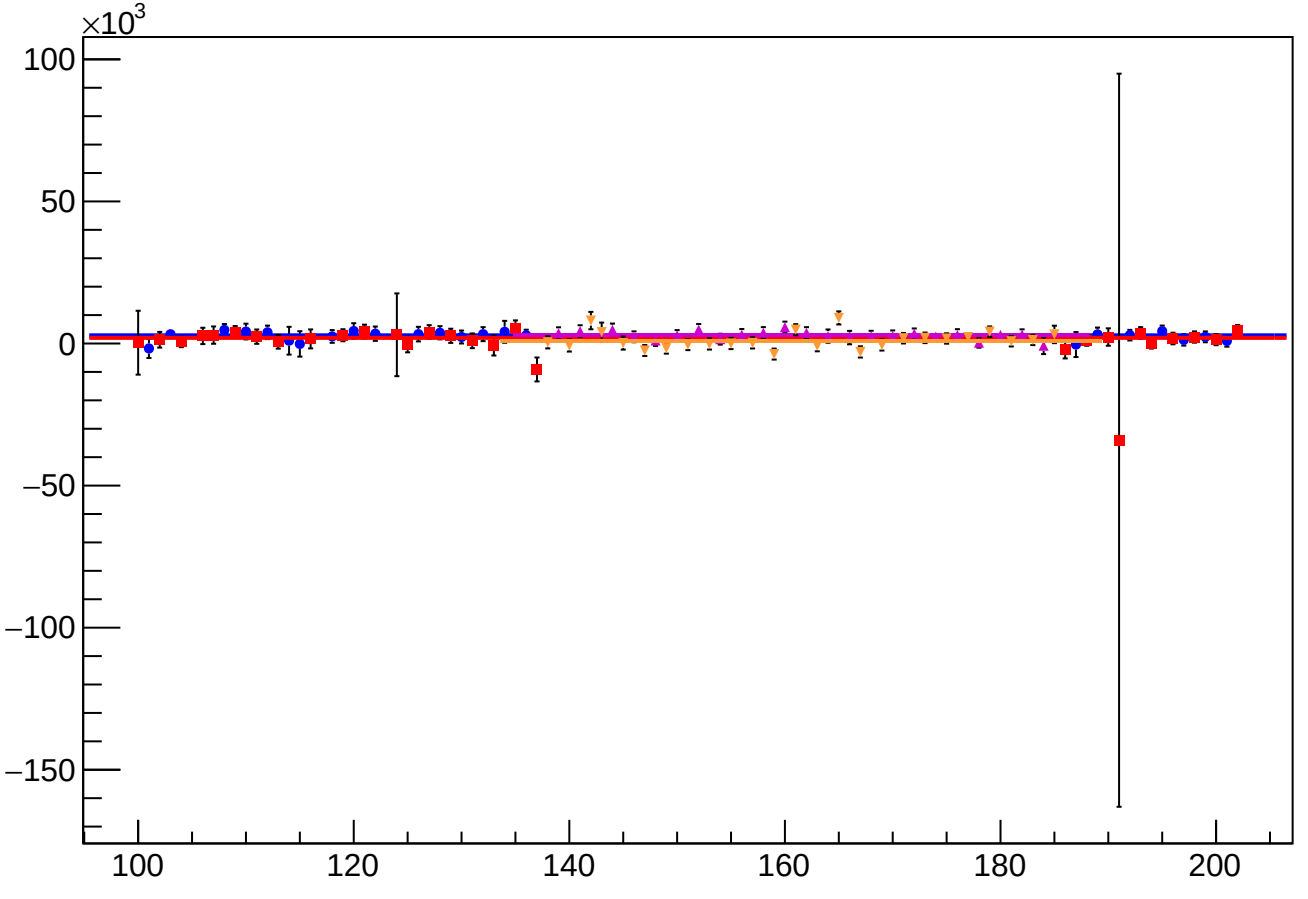
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 7999.161+/-1.147 χ^2/NDF: 4522363.1/51

In: 8631.308+/-1.134 χ^2/NDF:3042975.8/45

Out: 7964.085+/-1.022 χ^2/NDF:6170917.2/53

All: 8263.139+/-0.759 χ^2/NDF: 9404853.0/99



Right In: 2881.722+/-496.056 χ^2/NDF: 7.3/22

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1985.145+/-465.596 χ^2/NDF: 20.1/28

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

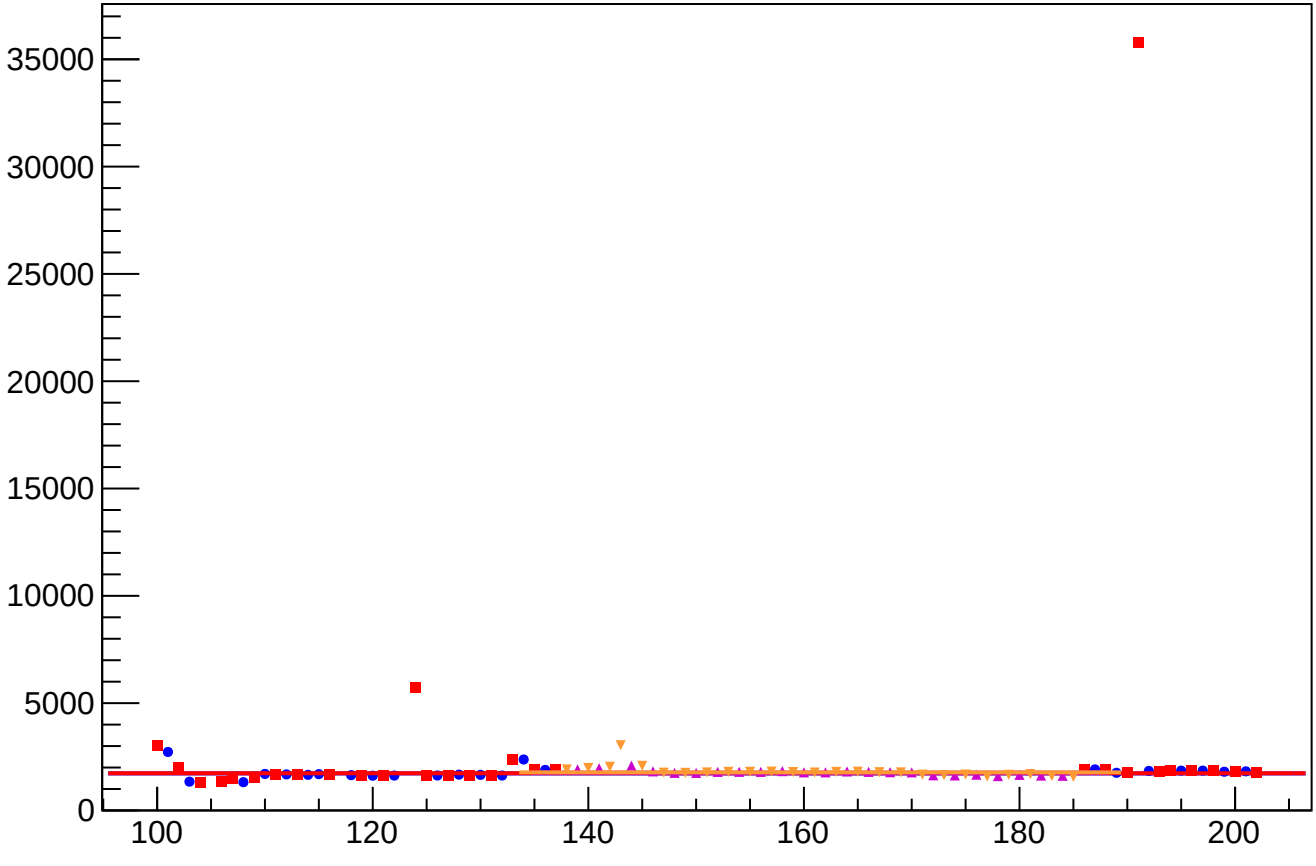
Right: 2405.063+/-339.484 χ^2/NDF: 29.1/51

In: 2918.082+/-316.972 χ^2/NDF:17.9/45

Out: 1367.459+/-305.804 χ^2/NDF:68.5/53

All: 2114.972+/-220.078 χ^2/NDF: 98.7/99

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.125+/-0.351 χ^2/NDF: 471594.2/22

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1733.113+/-0.329 χ^2/NDF: 666021.5/28

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

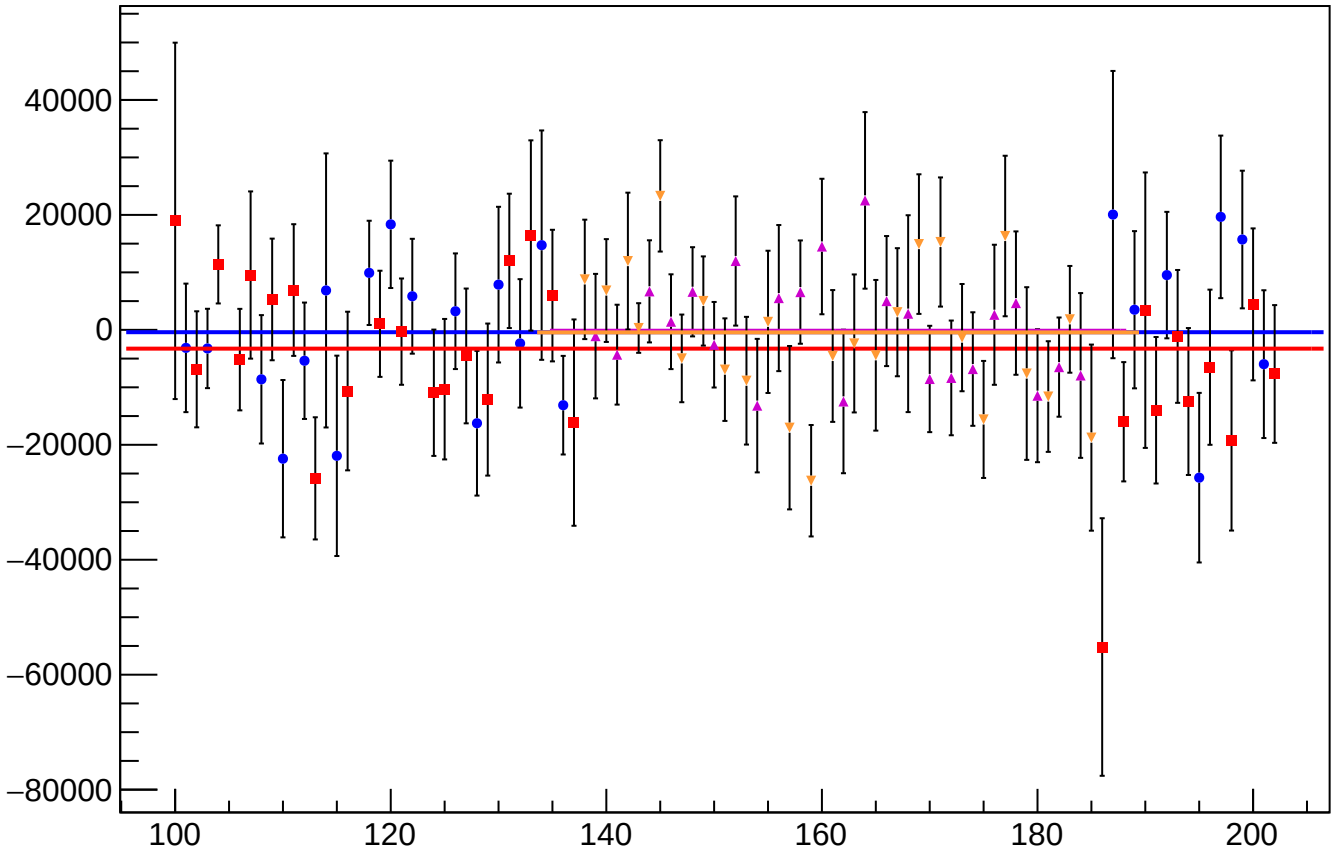
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1729.372+/-0.240 χ^2/NDF: 1137891.5/51

In: 1746.404+/-0.224 χ^2/NDF:624081.0/45

Out: 1756.777+/-0.216 χ^2/NDF:1122003.5/53

All: 1751.777+/-0.156 χ^2/NDF: 1747193.9/99



Right In: -409.010+/-2418.034 χ^2/NDF: 23.2/22

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3269.652+/-2188.352 χ^2/NDF: 28.0/28

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

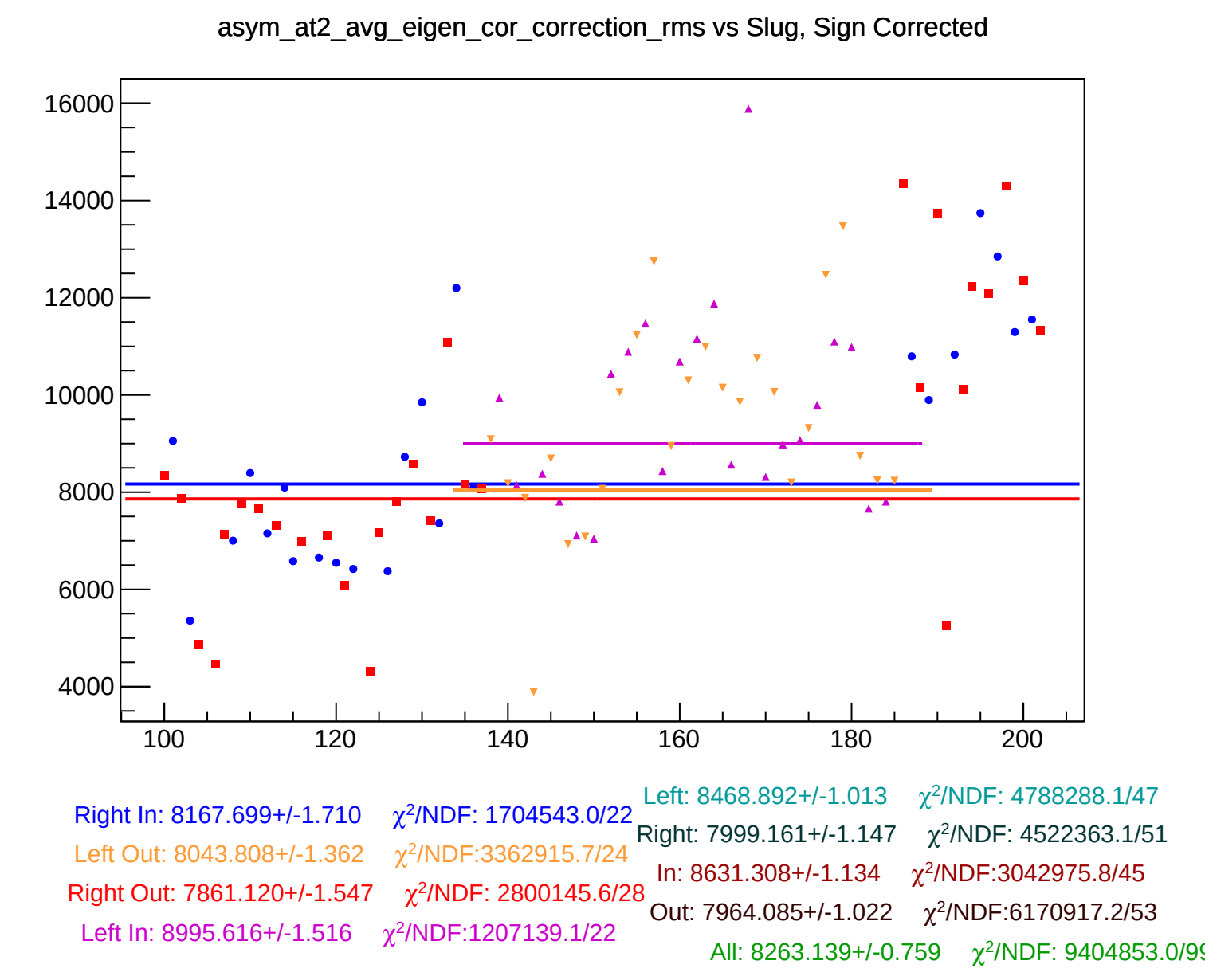
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

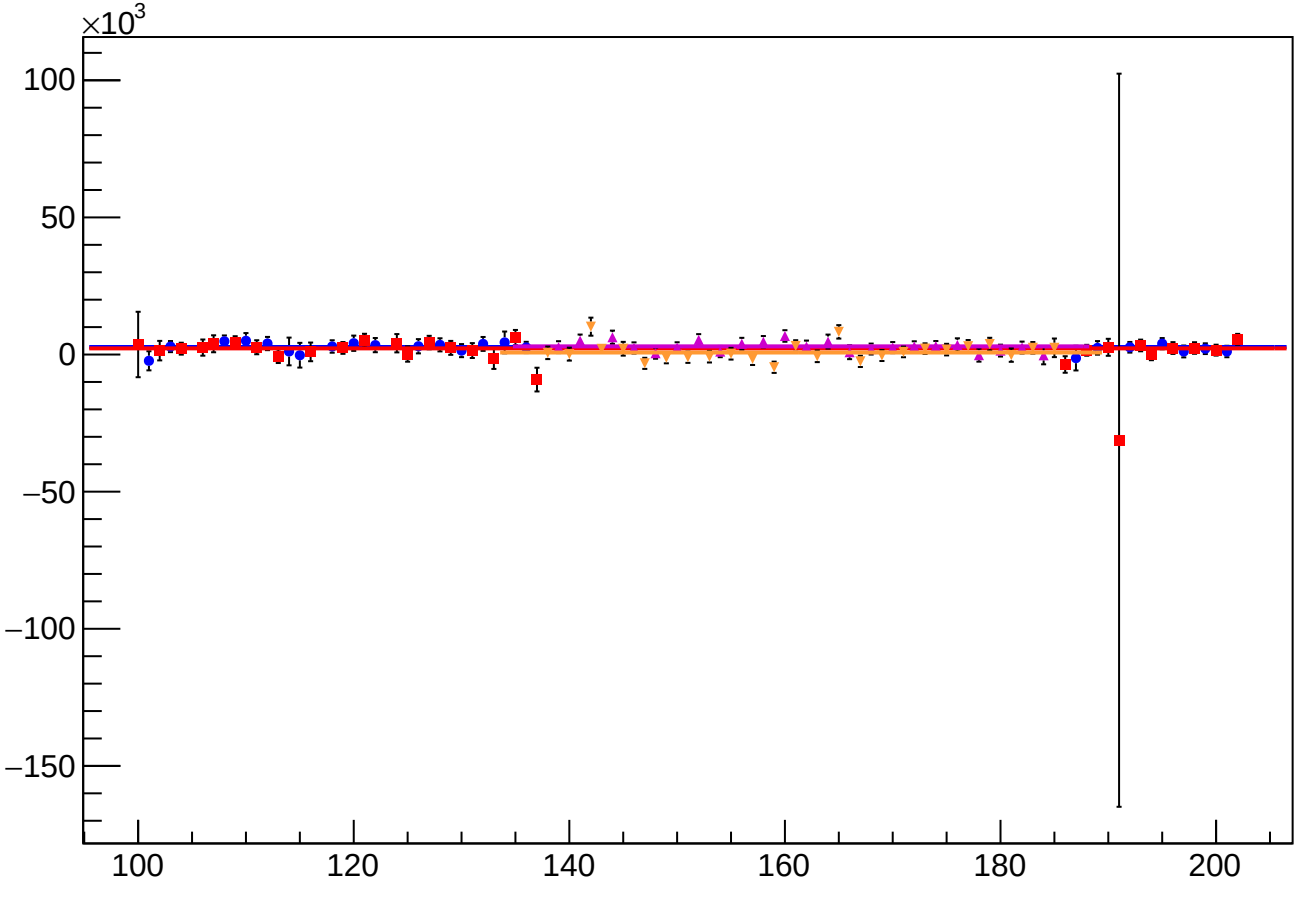
Right: -1981.614+/-1622.539 χ^2/NDF: 52.0/51

In: -266.906+/-1603.996 χ^2/NDF:37.0/45

Out: -1676.744+/-1445.623 χ^2/NDF:58.4/53

All: -1044.844+/-1073.848 χ^2/NDF: 95.8/99


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8167.699+/-1.710 χ²/NDF: 1704543.0/22
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7861.120+/-1.547 χ²/NDF: 2800145.6/28
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7999.161+/-1.147 χ²/NDF: 4522363.1/51
In: 8631.308+/-1.134 χ²/NDF:3042975.8/45
Out: 7964.085+/-1.022 χ²/NDF:6170917.2/53
All: 8263.139+/-0.759 χ²/NDF: 9404853.0/99



Right In: 2748.514+/-514.515 χ^2/NDF: 8.1/22

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2244.368+/-479.907 χ^2/NDF: 24.6/28

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

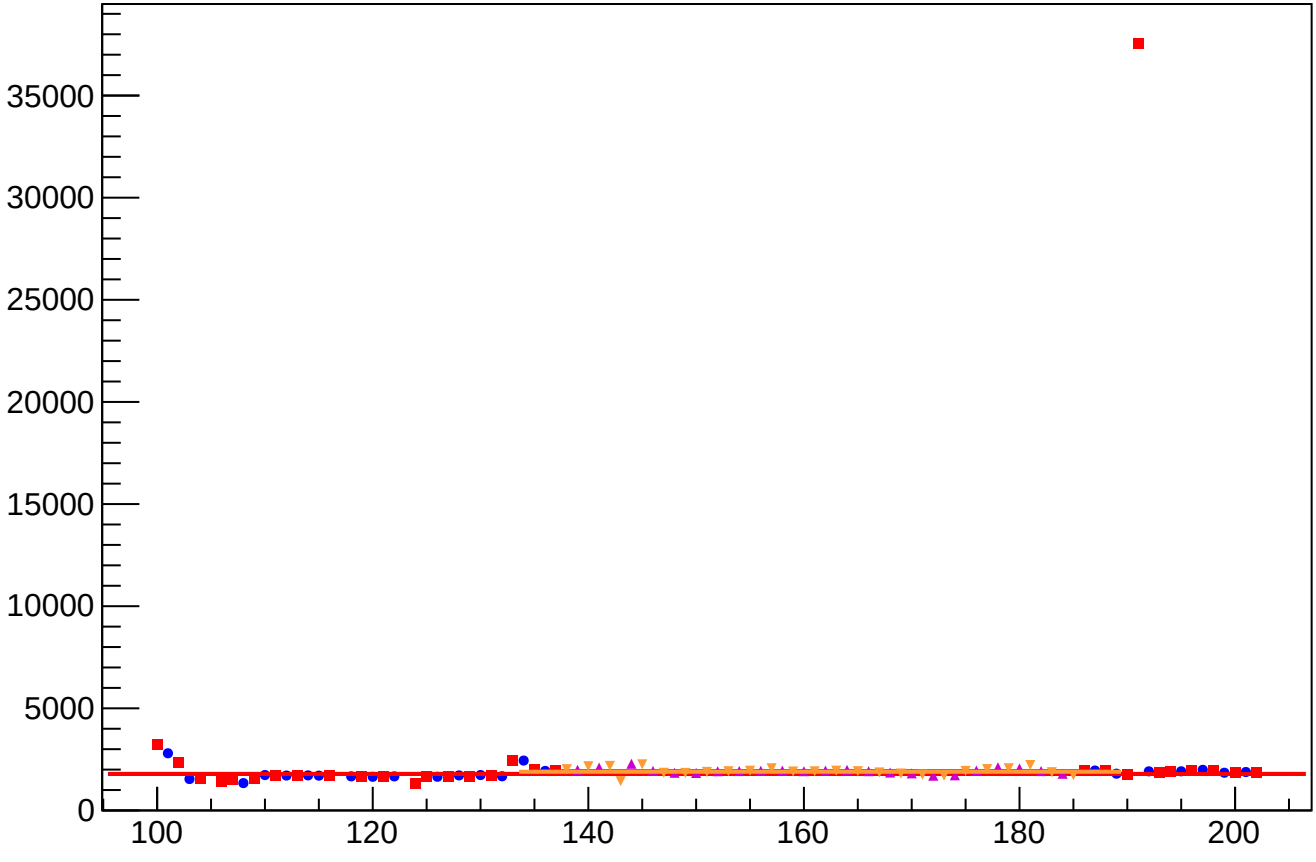
Right: 2478.917+/-350.943 χ^2/NDF: 33.2/51

In: 2879.148+/-338.868 χ^2/NDF:23.8/45

Out: 1414.345+/-321.435 χ^2/NDF:71.6/53

All: 2108.102+/-233.208 χ^2/NDF: 105.3/99

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1790.095+/-0.364 χ^2/NDF: 426135.8/22

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1784.576+/-0.339 χ^2/NDF: 534076.0/28

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

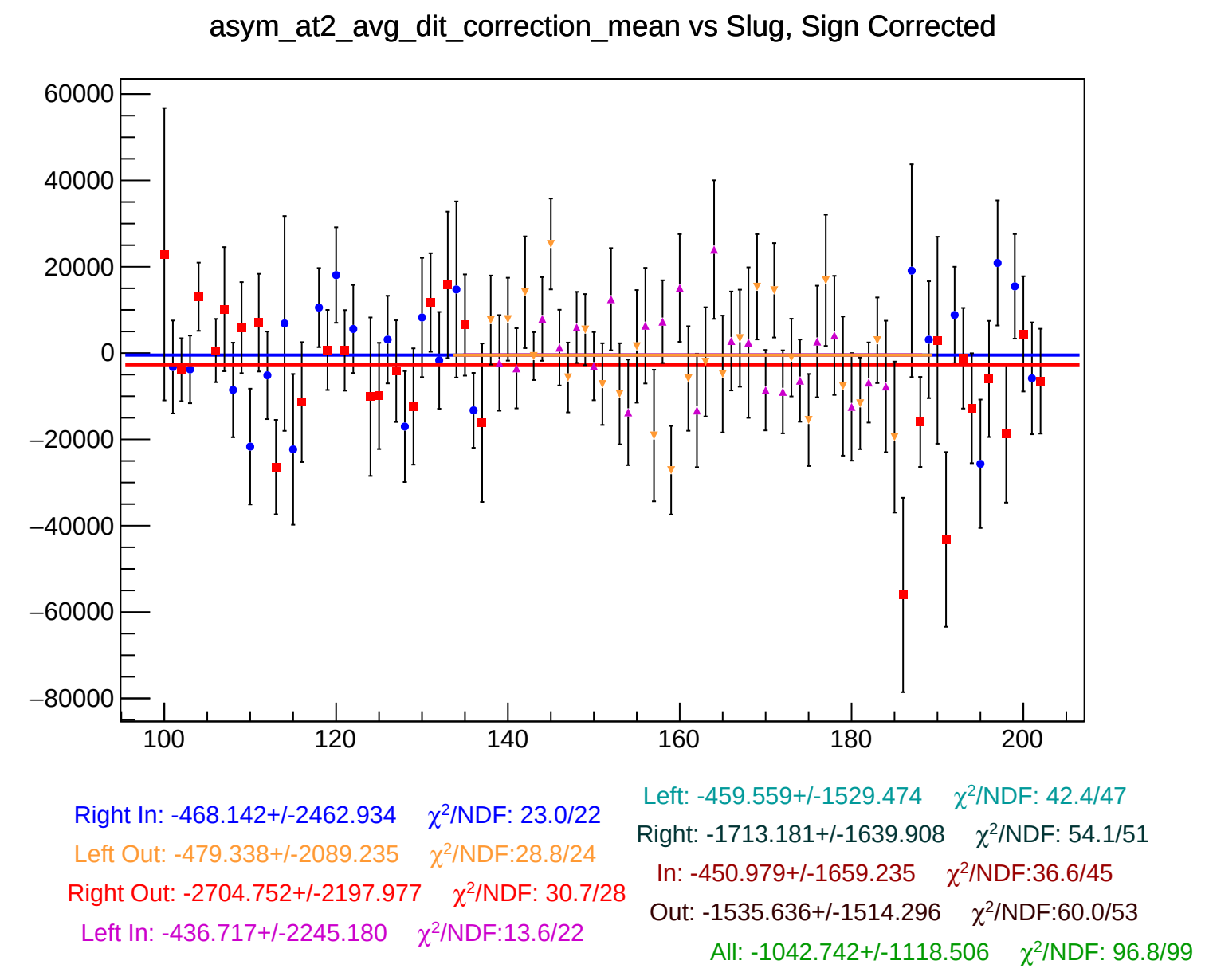
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

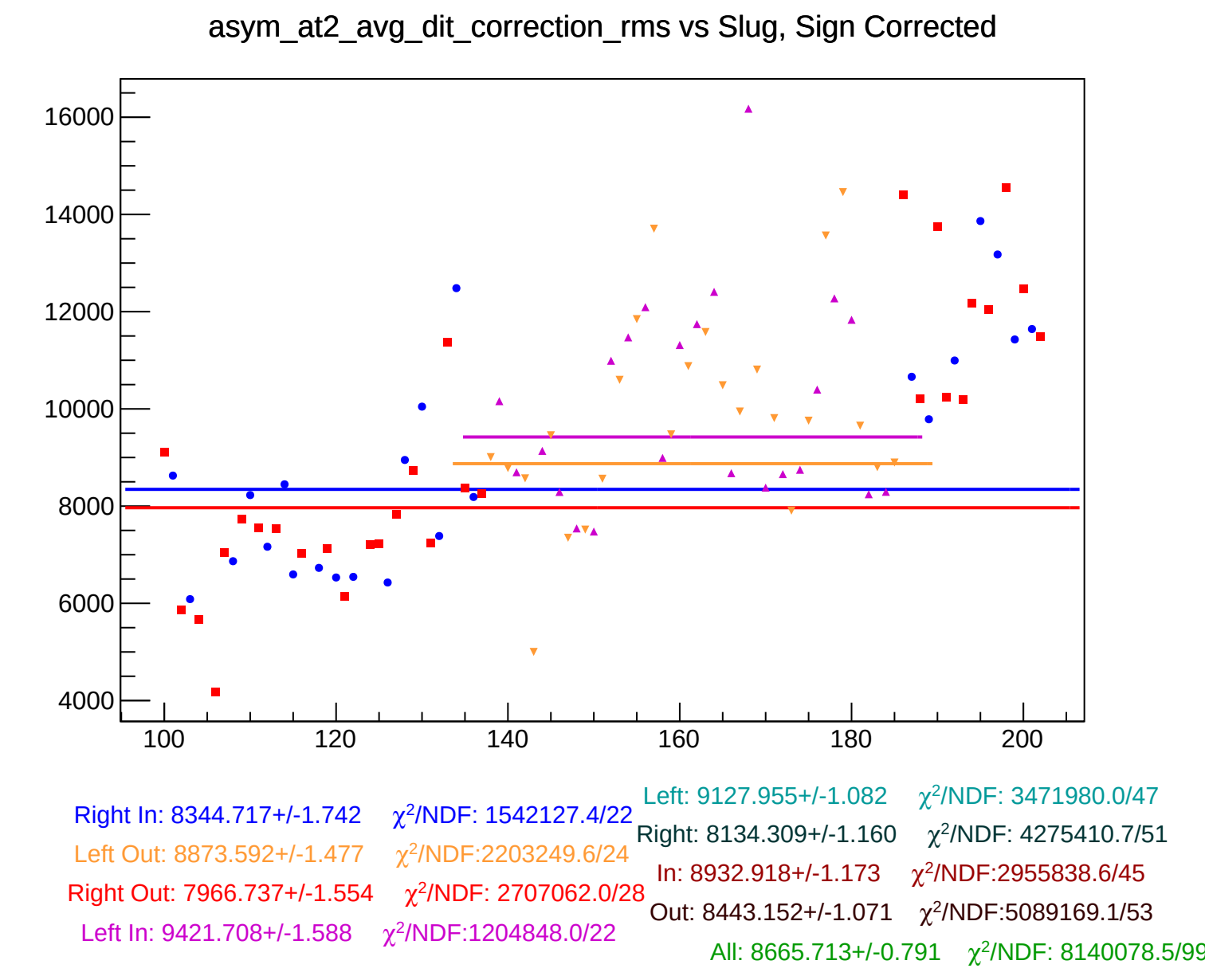
Right: 1787.143+/-0.248 χ^2/NDF: 960334.9/51

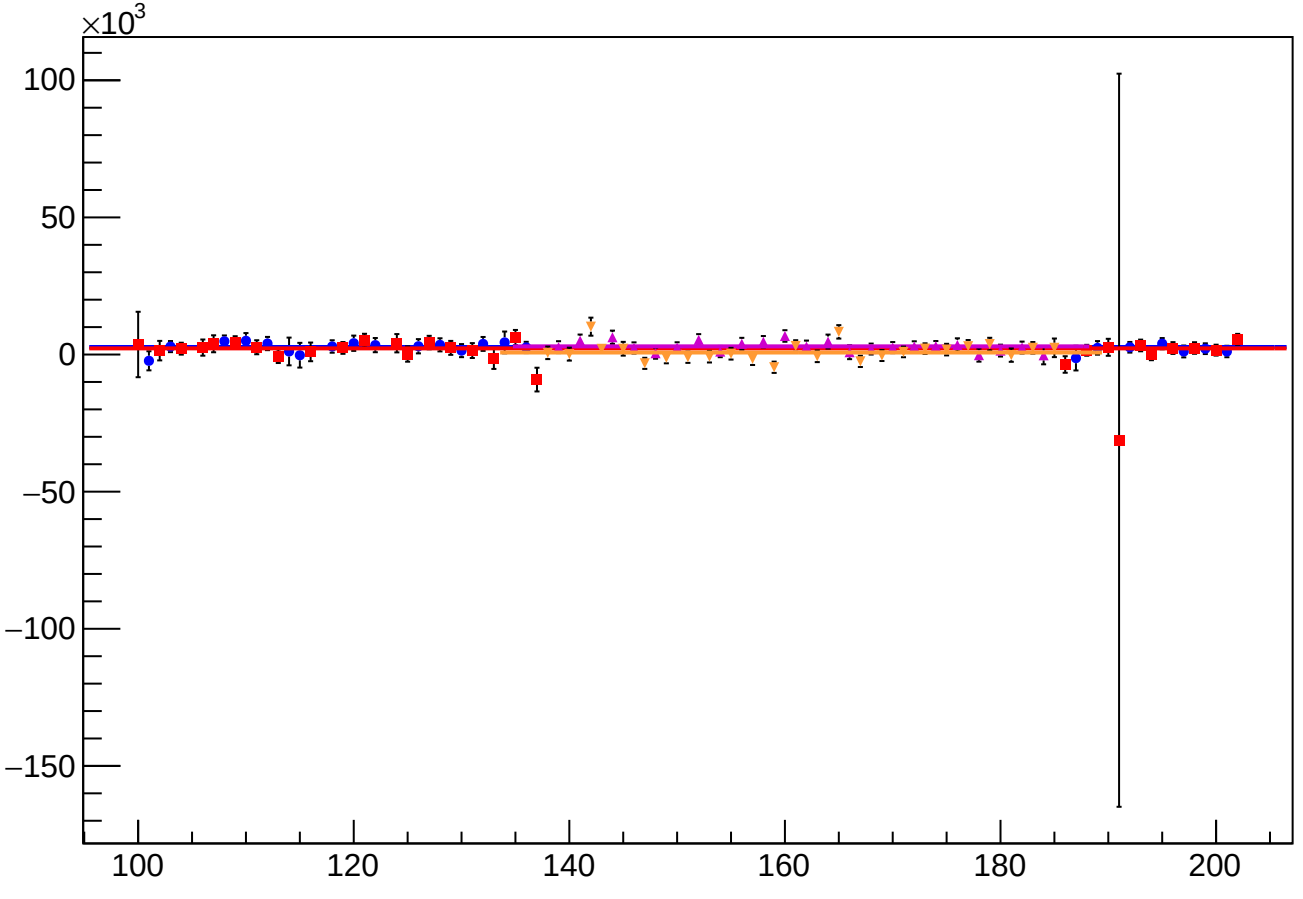
In: 1865.371+/-0.240 χ^2/NDF:652719.2/45

Out: 1845.277+/-0.227 χ^2/NDF:960727.5/53

All: 1854.793+/-0.165 χ^2/NDF: 1617148.9/99


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -468.142+/-2462.934 χ²/NDF: 23.0/22
Left Out: -479.338+/-2089.235 χ²/NDF:28.8/24
Right Out: -2704.752+/-2197.977 χ²/NDF: 30.7/28
Left In: -436.717+/-2245.180 χ²/NDF:13.6/22
Left: -459.559+/-1529.474 χ²/NDF: 42.4/47
Right: -1713.181+/-1639.908 χ²/NDF: 54.1/51
In: -450.979+/-1659.235 χ²/NDF:36.6/45
Out: -1535.636+/-1514.296 χ²/NDF:60.0/53
All: -1042.742+/-1118.506 χ²/NDF: 96.8/99


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8344.717+/-1.742 χ²/NDF: 1542127.4/22
Left Out: 8873.592+/-1.477 χ²/NDF:2203249.6/24
Right Out: 7966.737+/-1.554 χ²/NDF: 2707062.0/28
Left In: 9421.708+/-1.588 χ²/NDF:1204848.0/22
Left: 9127.955+/-1.082 χ²/NDF: 3471980.0/47
Right: 8134.309+/-1.160 χ²/NDF: 4275410.7/51
In: 8932.918+/-1.173 χ²/NDF:2955838.6/45
Out: 8443.152+/-1.071 χ²/NDF:5089169.1/53
All: 8665.713+/-0.791 χ²/NDF: 8140078.5/99



Right In: 2748.514+/-514.515 χ^2/NDF: 8.1/22

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2244.371+/-479.907 χ^2/NDF: 24.6/28

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

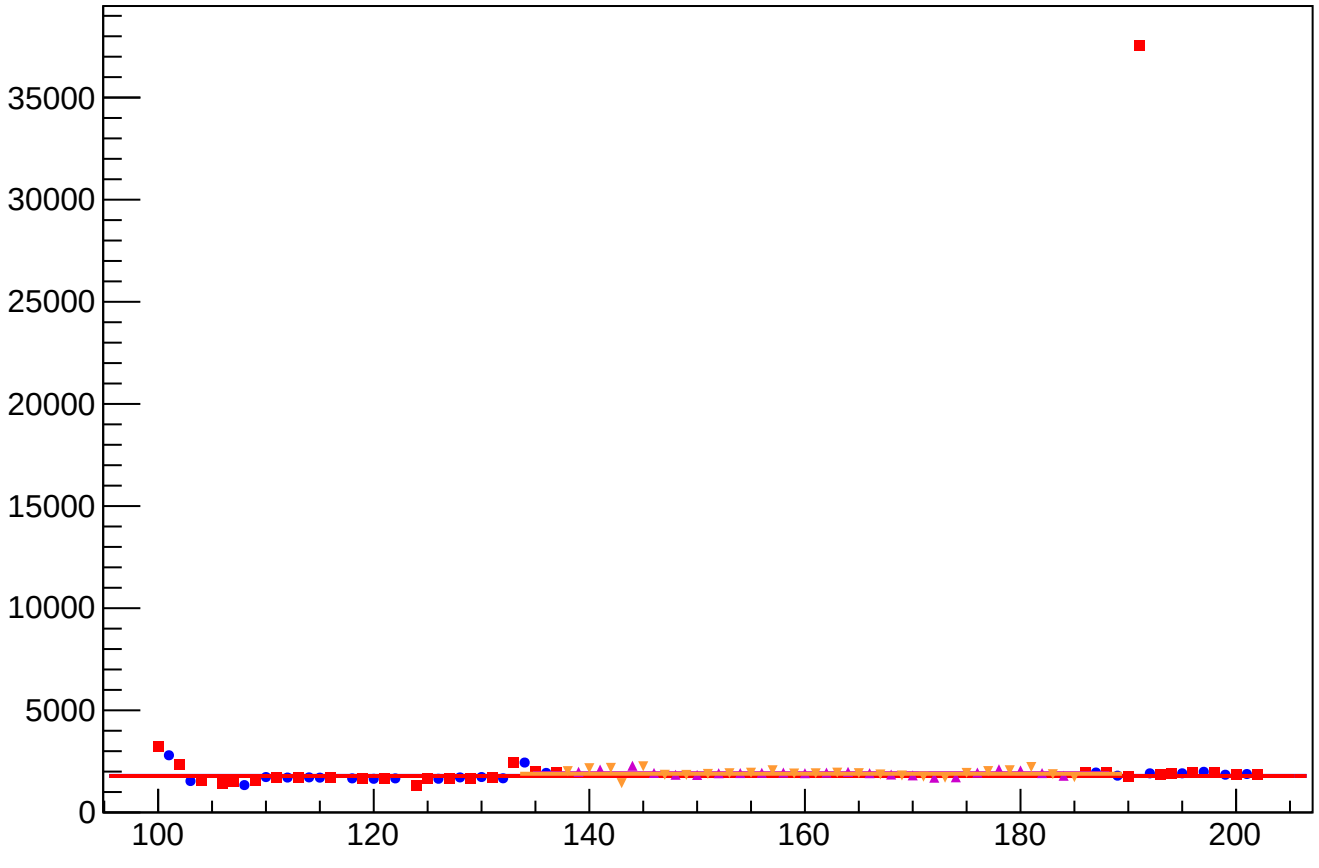
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2478.919+/-350.943 χ^2/NDF: 33.2/51

In: 2879.149+/-338.868 χ^2/NDF:23.8/45

Out: 1414.341+/-321.436 χ^2/NDF:71.6/53

All: 2108.101+/-233.209 χ^2/NDF: 105.3/99



Right In: 1790.095+/-0.364 χ^2/NDF: 426136.3/22

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1784.576+/-0.339 χ^2/NDF: 534077.3/28

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

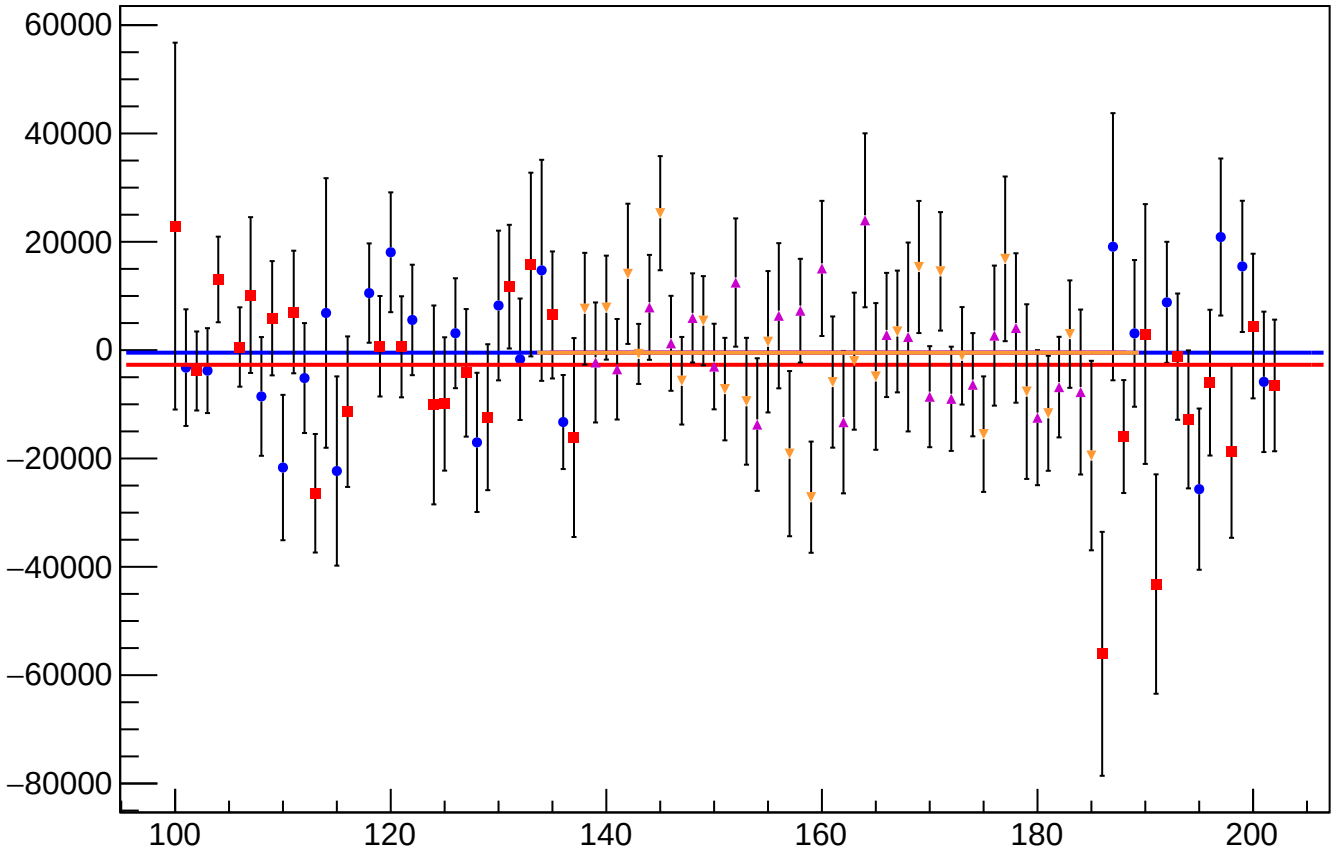
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1787.143+/-0.248 χ^2/NDF: 960336.7/51

In: 1865.373+/-0.240 χ^2/NDF:652731.3/45

Out: 1845.278+/-0.227 χ^2/NDF:960739.6/53

All: 1854.794+/-0.165 χ^2/NDF: 1617173.0/99



Right In: -468.130+/-2462.931 χ^2/NDF: 23.0/22

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2704.738+/-2197.974 χ^2/NDF: 30.7/28

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

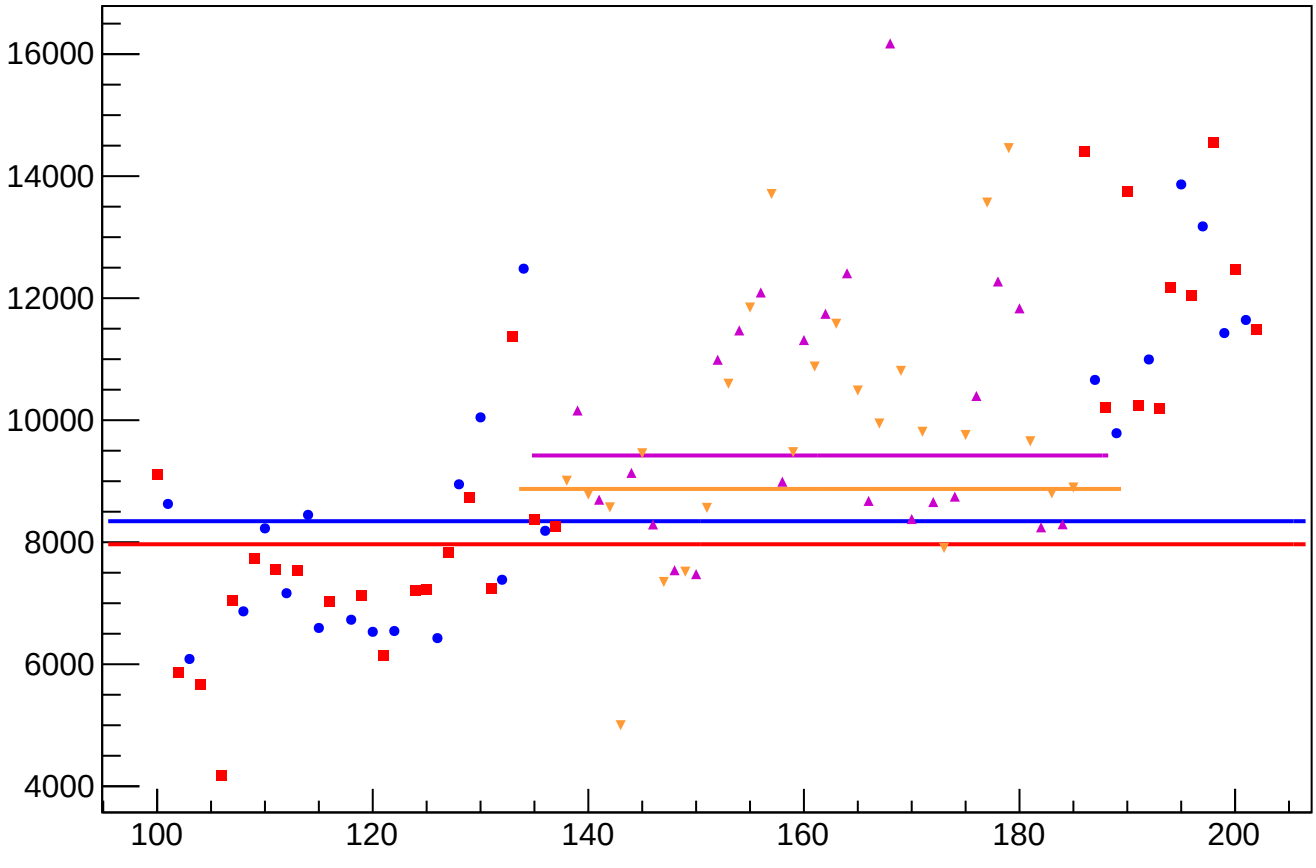
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1713.168+/-1639.906 χ^2/NDF: 54.1/51

In: -450.975+/-1659.236 χ^2/NDF:36.6/45

Out: -1535.636+/-1514.296 χ^2/NDF:60.0/53

All: -1042.740+/-1118.507 χ^2/NDF: 96.8/99



Right In: 8344.702+/-1.742 χ^2/NDF: 1542145.6/22

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7966.724+/-1.554 χ^2/NDF: 2707079.2/28

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

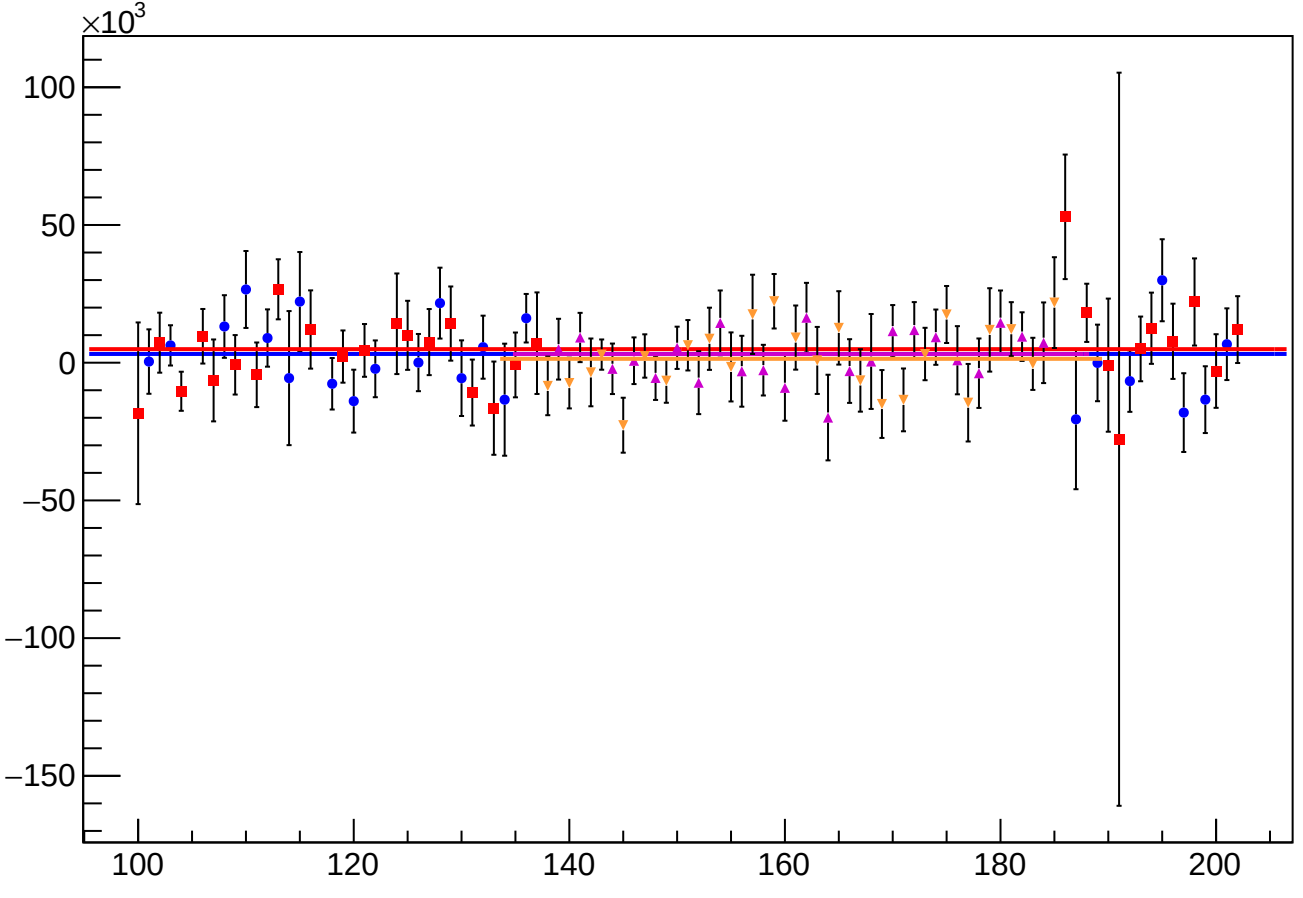
Right: 8134.295+/-1.160 χ^2/NDF: 4275446.0/51

In: 8932.917+/-1.173 χ^2/NDF:2955872.1/45

Out: 8443.151+/-1.071 χ^2/NDF:5089198.8/53

All: 8665.713+/-0.791 χ^2/NDF: 8140141.5/99

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3172.513+/-2485.914 χ^2/NDF: 23.8/22

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4920.197+/-2323.160 χ^2/NDF: 24.2/28

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

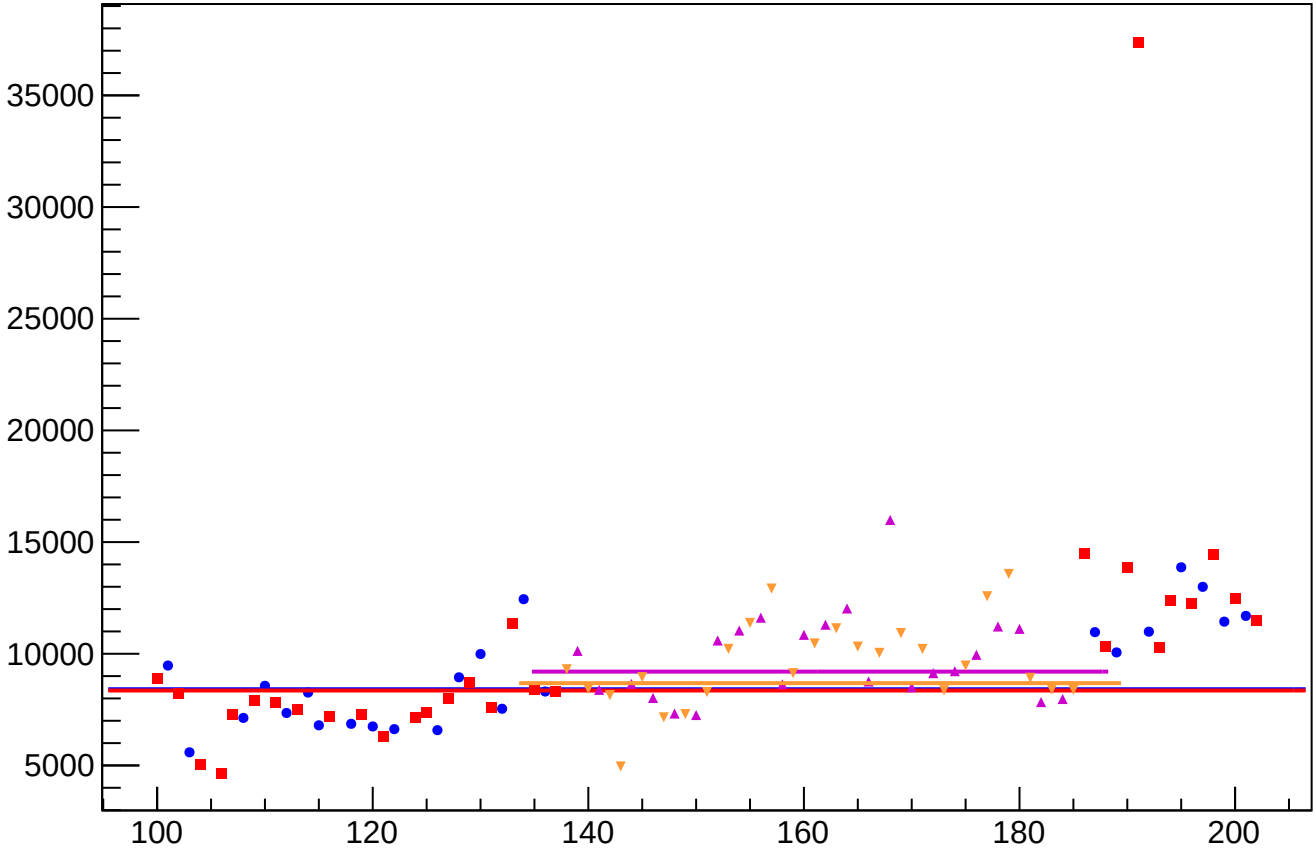
Right: 4105.434+/-1697.345 χ^2/NDF: 48.2/51

In: 3153.789+/-1643.051 χ^2/NDF:36.7/45

Out: 2937.220+/-1532.849 χ^2/NDF:52.9/53

All: 3037.998+/-1120.824 χ^2/NDF: 89.7/99

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8411.966+/-1.758 χ^2/NDF: 1599221.5/22

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8355.571+/-1.643 χ^2/NDF: 2416878.9/28

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

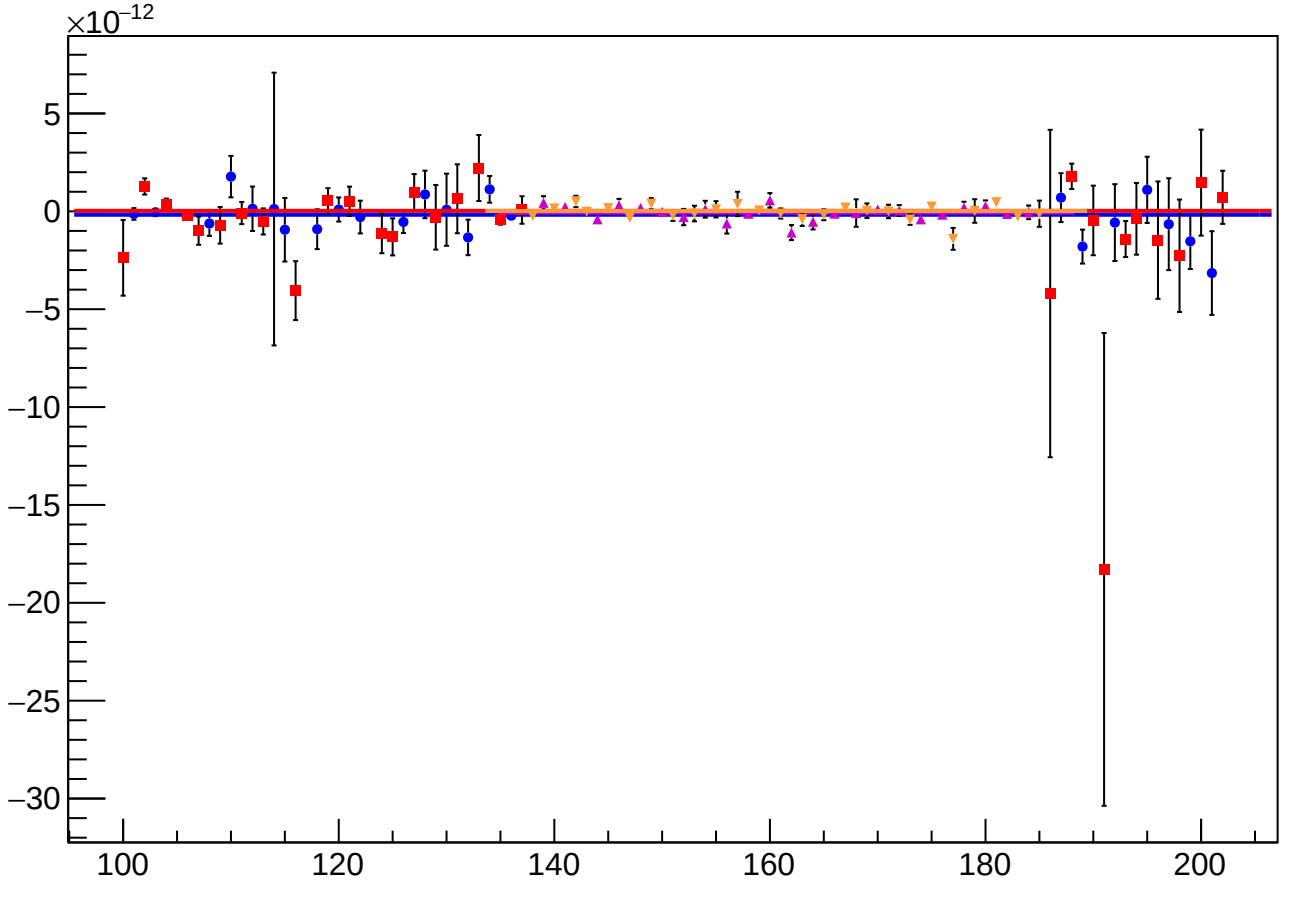
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8381.861+/-1.200 χ^2/NDF: 4016649.8/51

In: 8856.195+/-1.162 χ^2/NDF:2842053.4/45

Out: 8541.318+/-1.084 χ^2/NDF:4491148.2/53

All: 8687.840+/-0.793 χ^2/NDF: 7372475.1/99



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.8/28

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

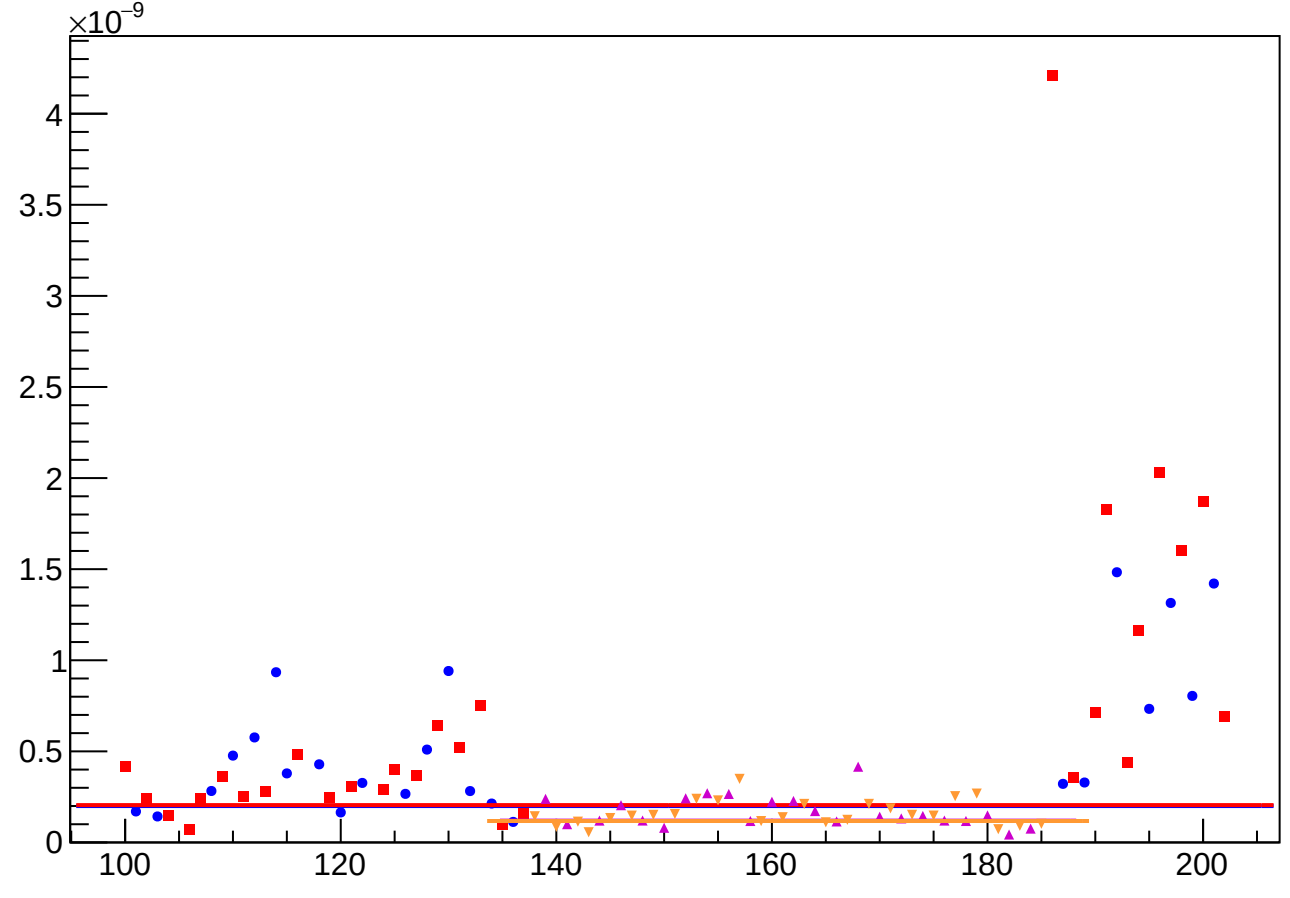
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 67.4/51

In: -0.000+/-0.000 χ^2/NDF:47.8/45

Out: 0.000+/-0.000 χ^2/NDF:75.6/53

All: -0.000+/-0.000 χ^2/NDF: 125.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 4183600.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5441491.5/28

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

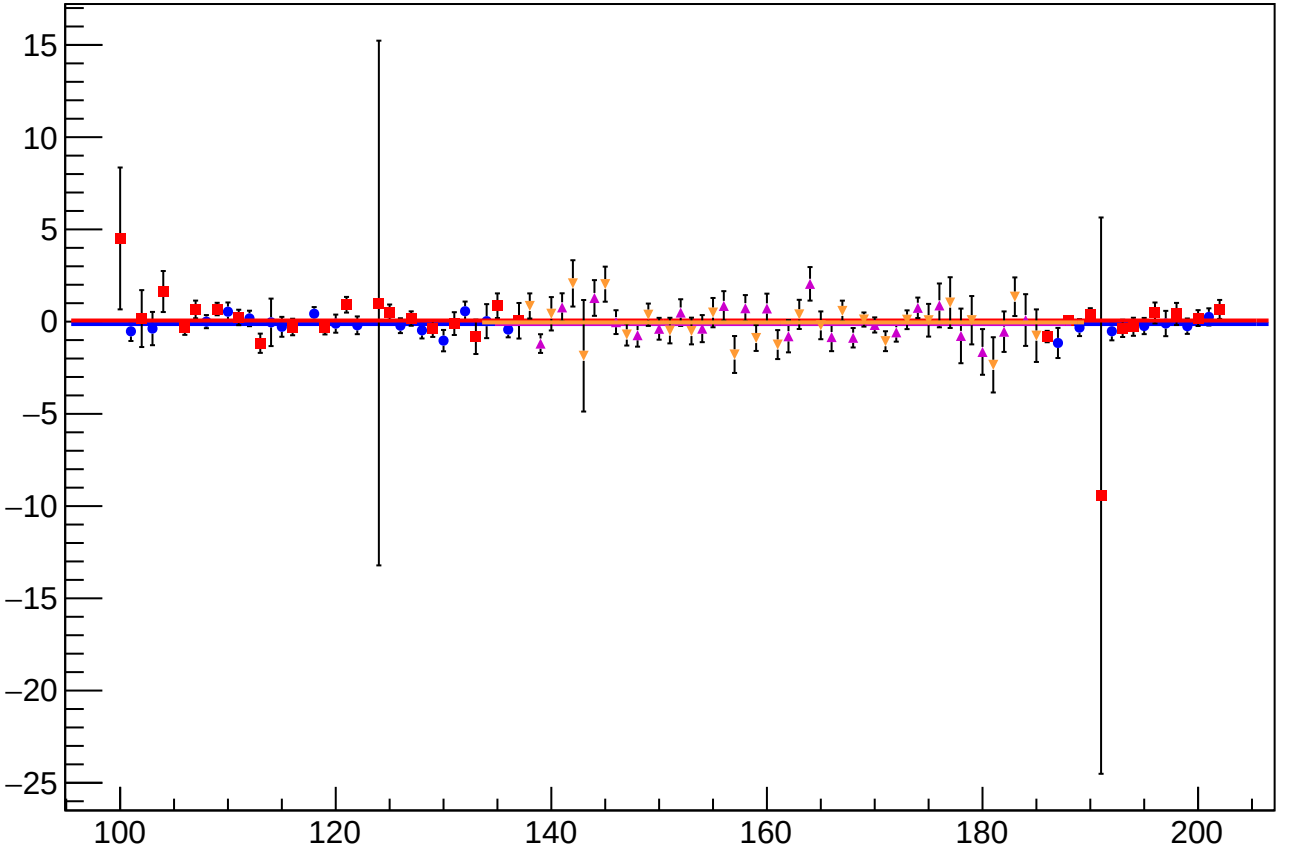
Right: 0.000+/-0.000 χ^2/NDF: 9627104.6/51

In: 0.000+/-0.000 χ^2/NDF:7623325.5/45

Out: 0.000+/-0.000 χ^2/NDF:8704548.2/53

All: 0.000+/-0.000 χ^2/NDF: 16331073.9/99

asym_at2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.131+/-0.102 χ^2/NDF: 14.1/22

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.061+/-0.083 χ^2/NDF: 38.5/28

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

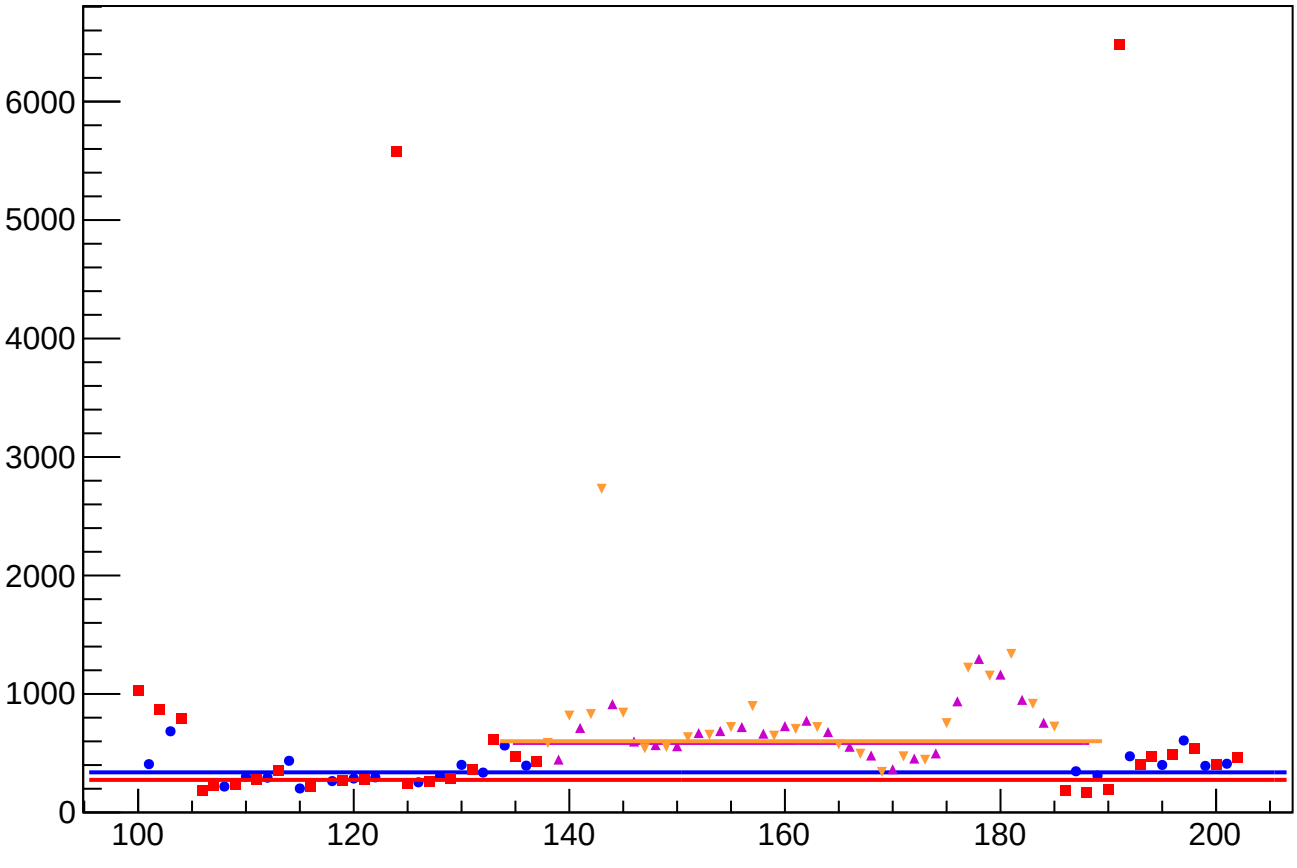
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.015+/-0.064 χ^2/NDF: 54.7/51

In: -0.130+/-0.084 χ^2/NDF:43.2/45

Out: 0.037+/-0.072 χ^2/NDF:69.0/53

All: -0.034+/-0.055 χ^2/NDF: 114.4/99



Right In: 338.513+/-0.072 χ^2/NDF: 1720111.2/22

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 274.908+/-0.059 χ^2/NDF: 4787233.7/28

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

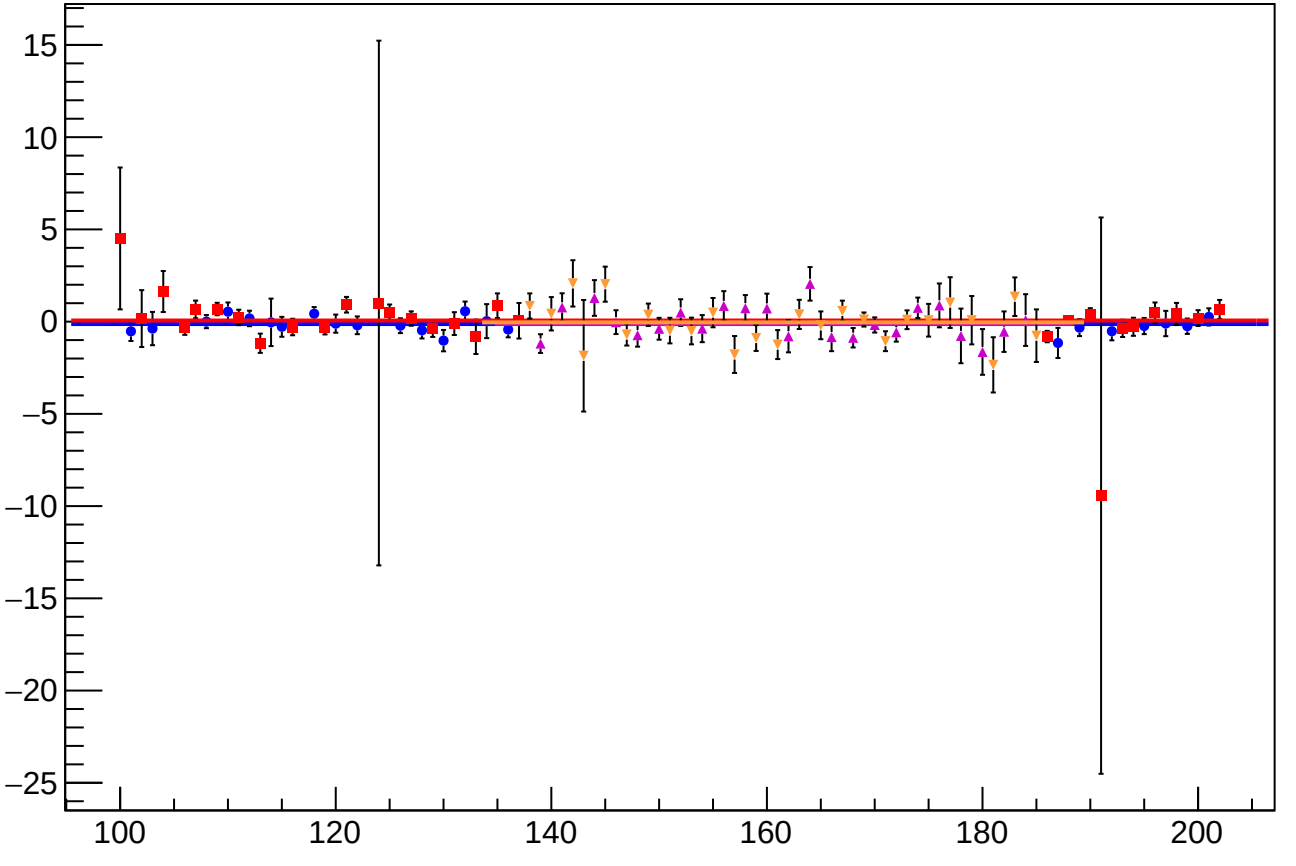
Right: 300.028+/-0.046 χ^2/NDF: 6974184.3/51

In: 420.996+/-0.059 χ^2/NDF:8560561.5/45

Out: 352.989+/-0.051 χ^2/NDF:16691917.4/53

All: 381.990+/-0.039 χ^2/NDF: 26010020.3/99

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.131+/-0.102 χ^2/NDF: 14.1/22

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.061+/-0.083 χ^2/NDF: 38.5/28

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

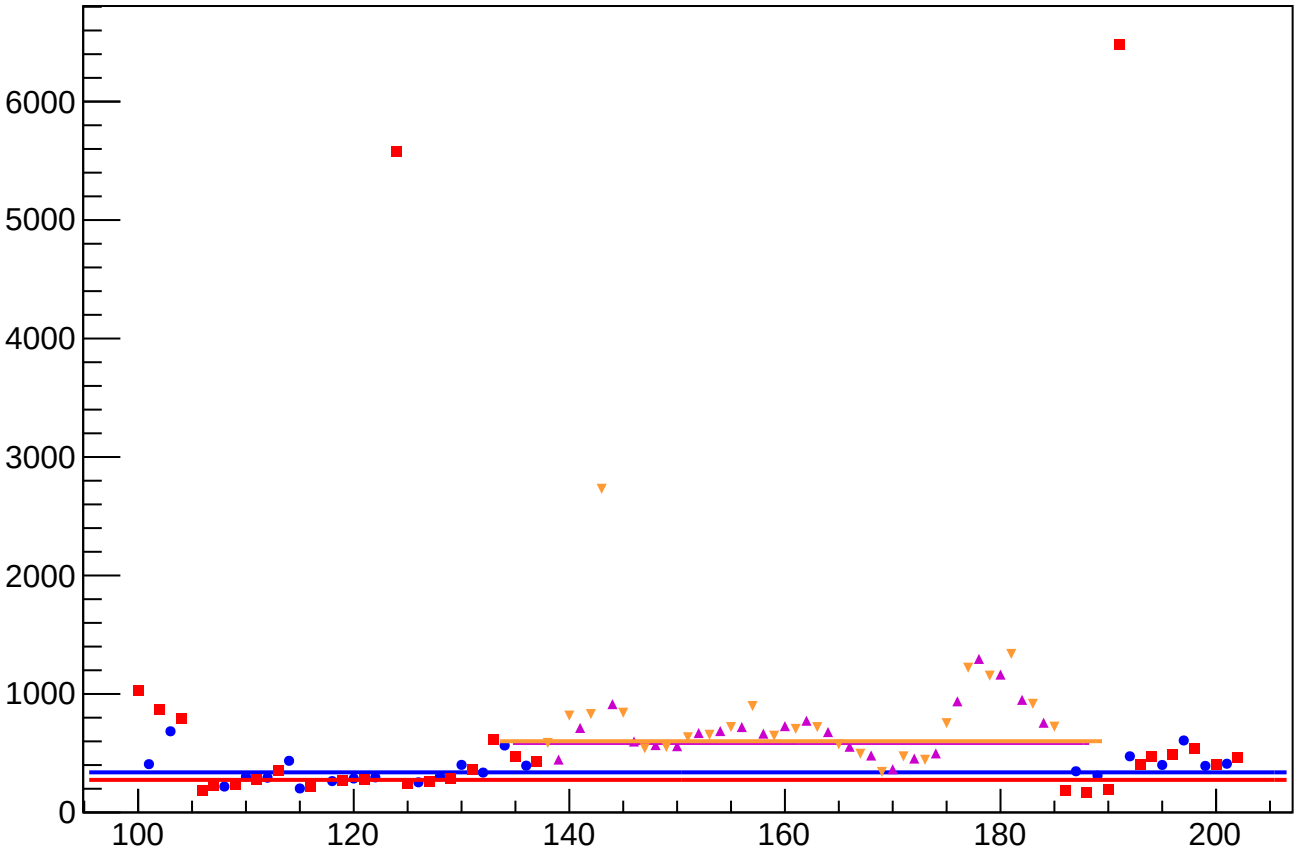
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.015+/-0.064 χ^2/NDF: 54.7/51

In: -0.130+/-0.084 χ^2/NDF:43.2/45

Out: 0.037+/-0.072 χ^2/NDF:69.0/53

All: -0.034+/-0.055 χ^2/NDF: 114.4/99



Right In: 338.513+/-0.072 χ^2/NDF: 1720111.2/22

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 274.908+/-0.059 χ^2/NDF: 4787233.7/28

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

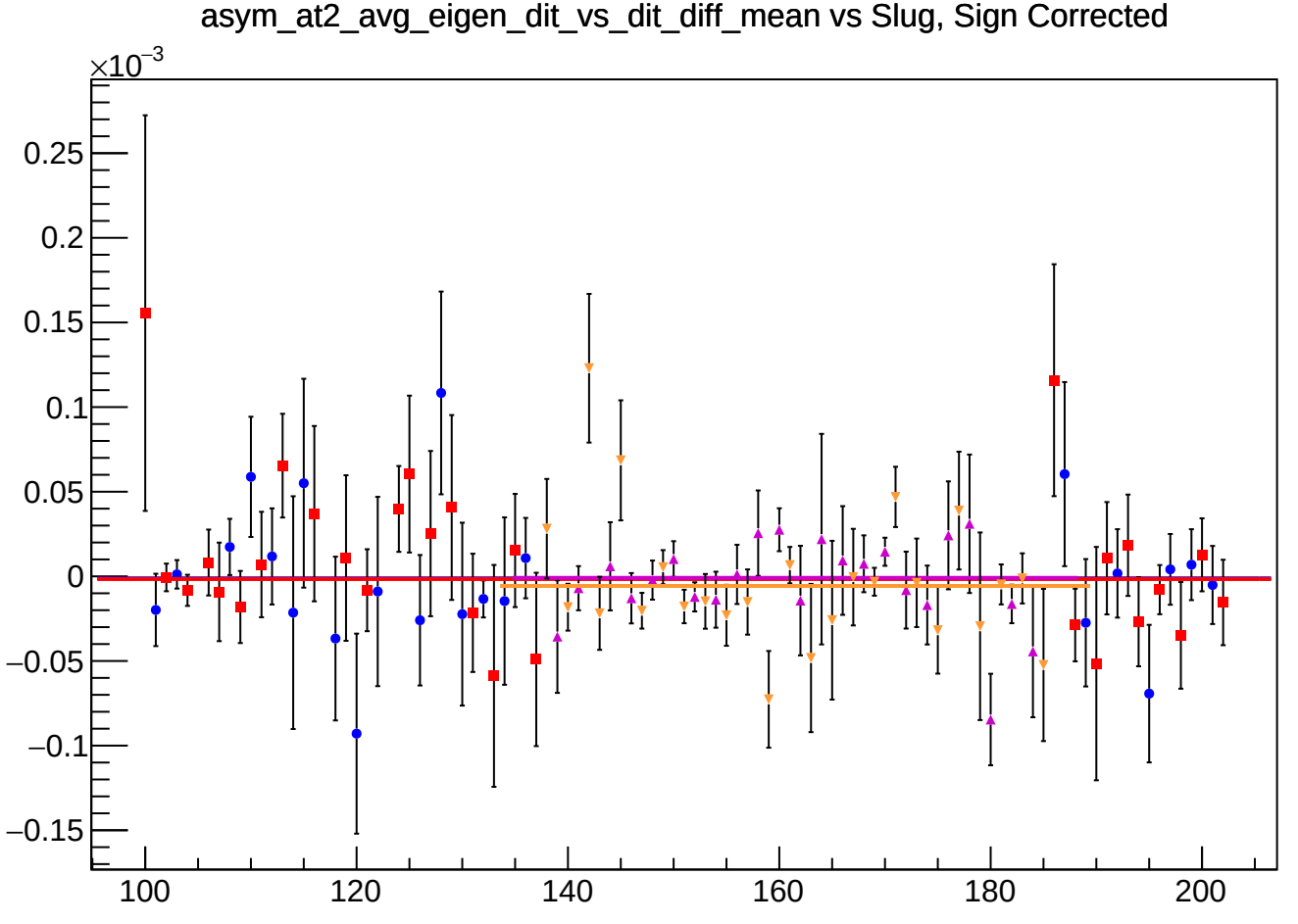
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 300.028+/-0.046 χ^2/NDF: 6974184.3/51

In: 420.996+/-0.059 χ^2/NDF:8560561.5/45

Out: 352.989+/-0.051 χ^2/NDF:16691917.4/53

All: 381.990+/-0.039 χ^2/NDF: 26010020.3/99



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/28

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

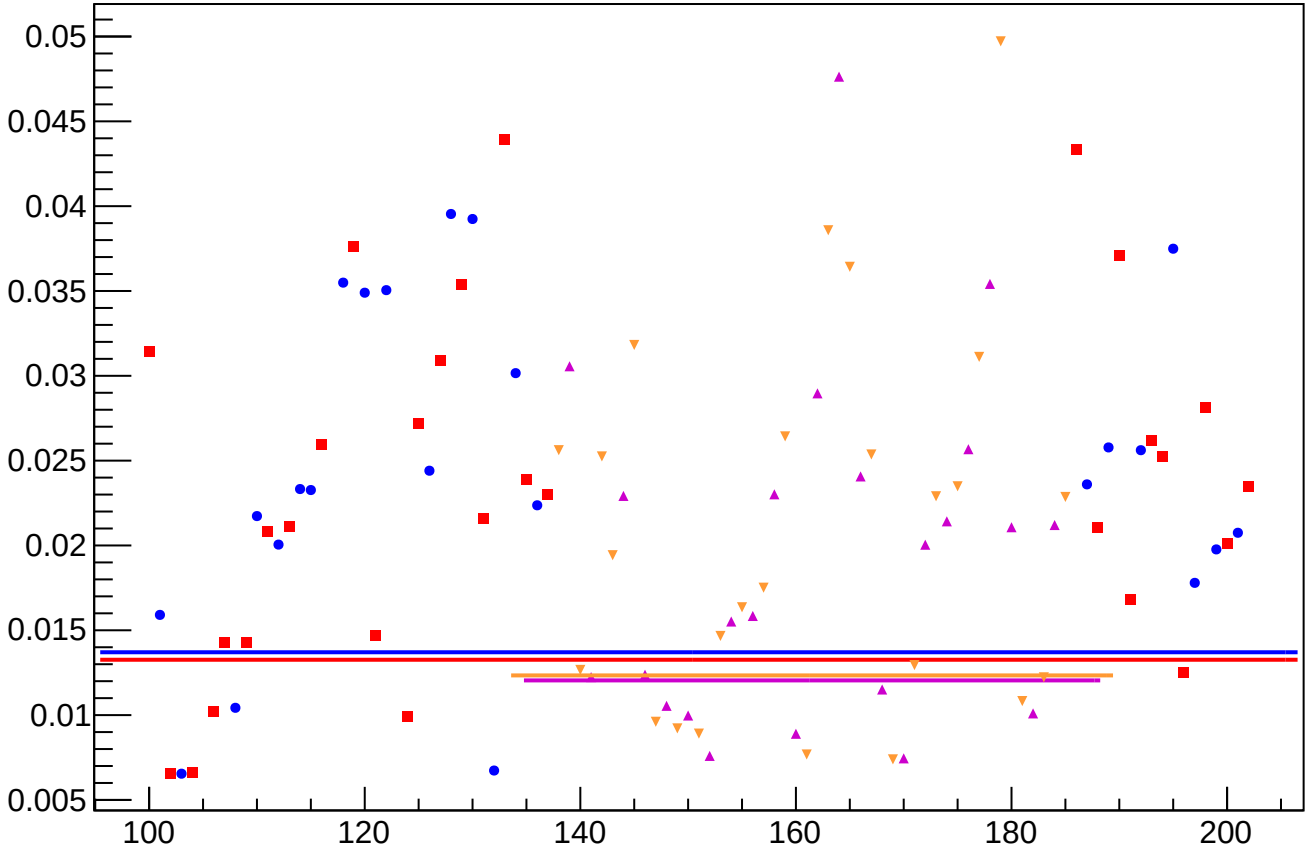
Right: -0.000+/-0.000 χ^2/NDF: 44.3/51

In: -0.000+/-0.000 χ^2/NDF:49.5/45

Out: -0.000+/-0.000 χ^2/NDF:68.2/53

All: -0.000+/-0.000 χ^2/NDF: 118.4/99

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 6868410.6/22

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 7676600.6/28

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

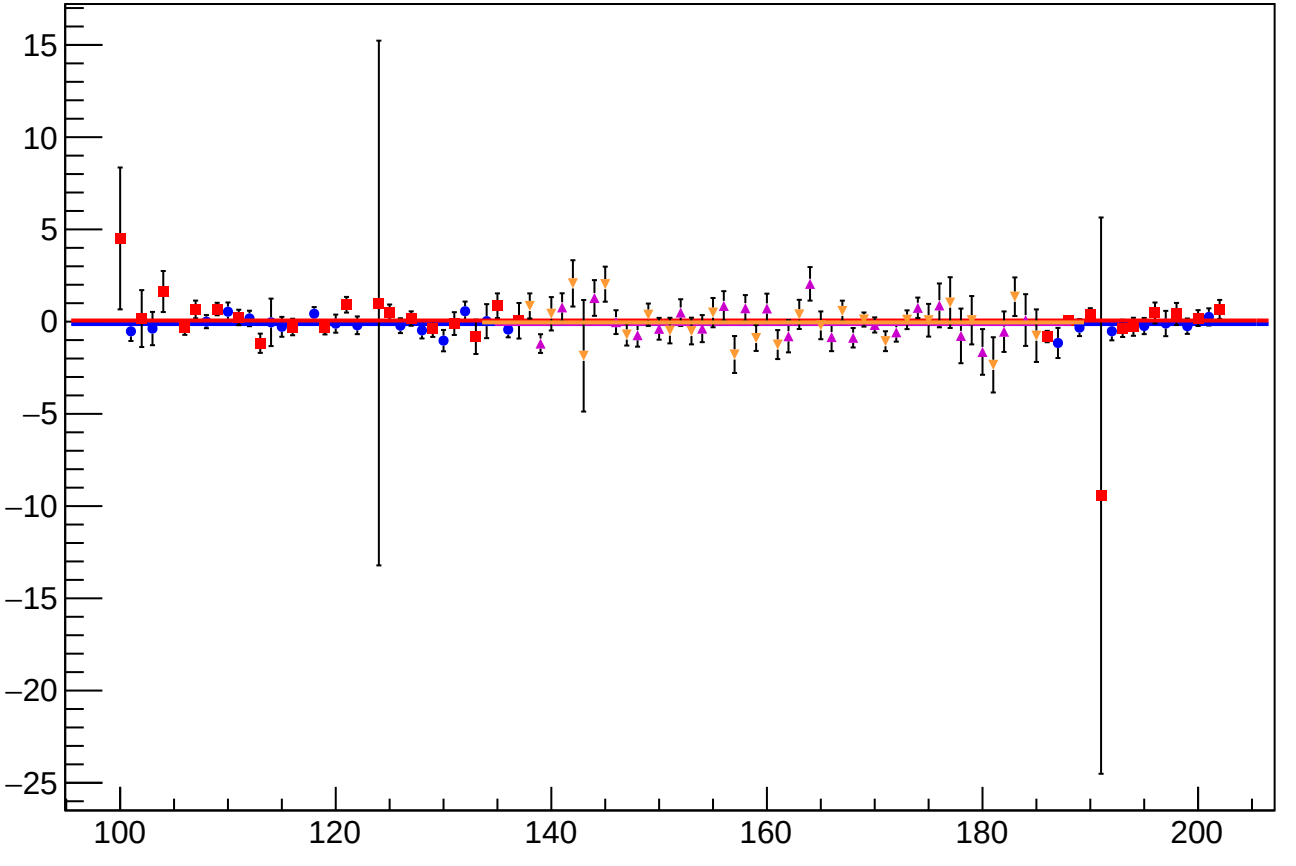
Right: 0.013+/-0.000 χ^2/NDF: 14554892.5/51

In: 0.013+/-0.000 χ^2/NDF:13414487.2/45

Out: 0.013+/-0.000 χ^2/NDF:15577162.0/53

All: 0.013+/-0.000 χ^2/NDF: 28993256.8/99

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.131+/-0.102 χ^2/NDF: 14.1/22

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.061+/-0.083 χ^2/NDF: 38.5/28

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

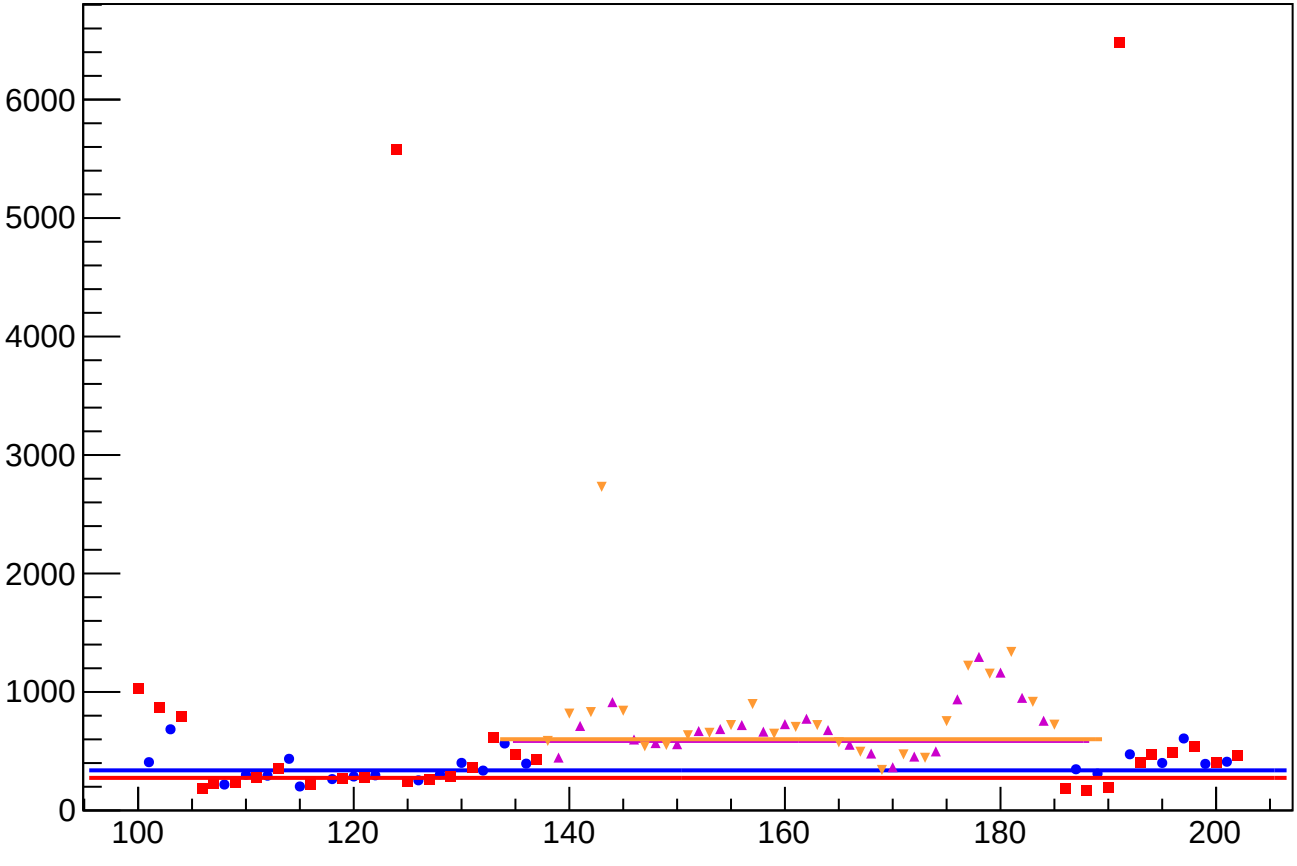
Right: -0.015+/-0.064 χ^2/NDF: 54.7/51

In: -0.130+/-0.084 χ^2/NDF:43.2/45

Out: 0.037+/-0.072 χ^2/NDF:69.0/53

All: -0.034+/-0.055 χ^2/NDF: 114.4/99

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 338.512+/-0.072 χ^2/NDF: 1720087.9/22

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 274.901+/-0.059 χ^2/NDF: 4787522.0/28

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

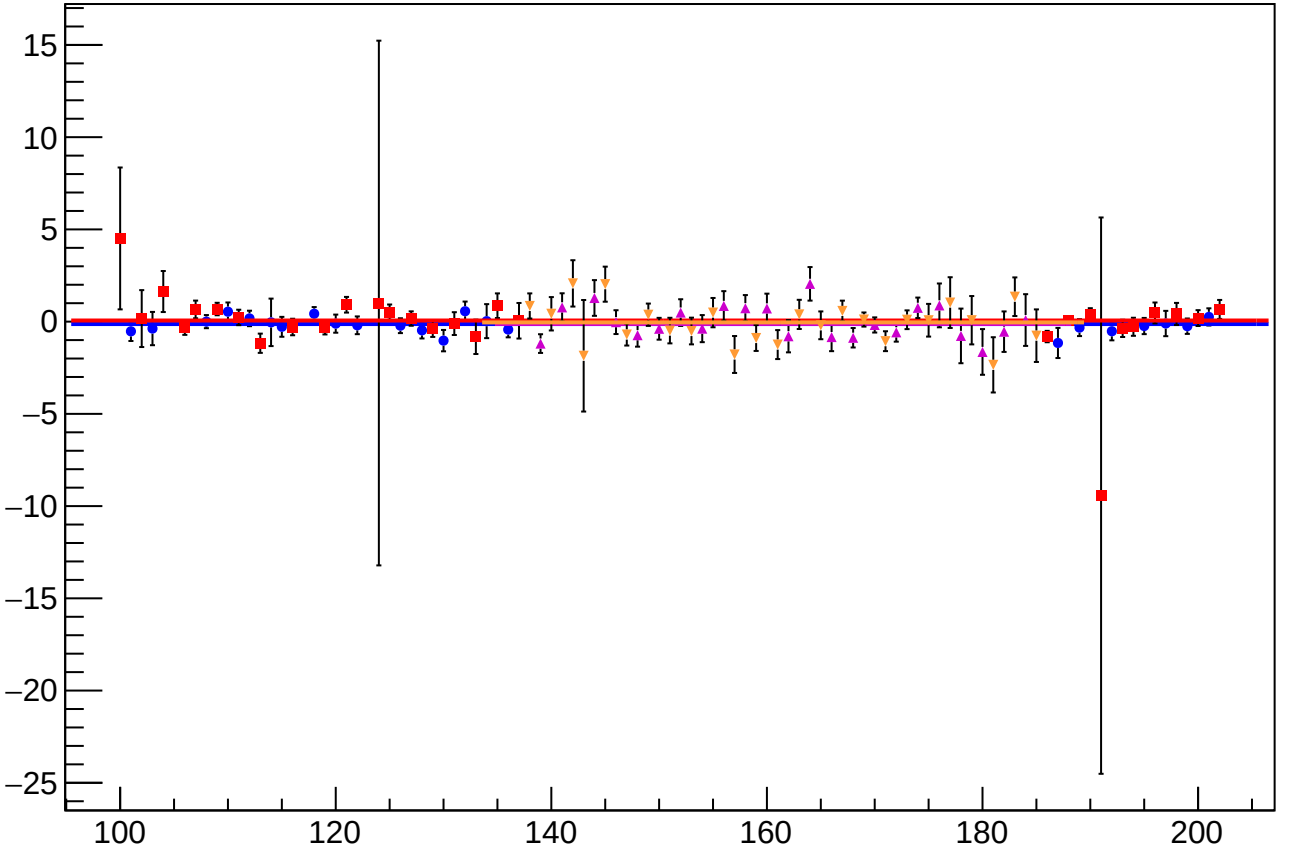
Right: 300.023+/-0.046 χ^2/NDF: 6974539.5/51

In: 420.995+/-0.059 χ^2/NDF:8560772.4/45

Out: 352.981+/-0.051 χ^2/NDF:16692765.9/53

All: 381.985+/-0.039 χ^2/NDF: 26011234.1/99

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.131+/-0.102 χ^2/NDF: 14.1/22

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.061+/-0.083 χ^2/NDF: 38.5/28

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

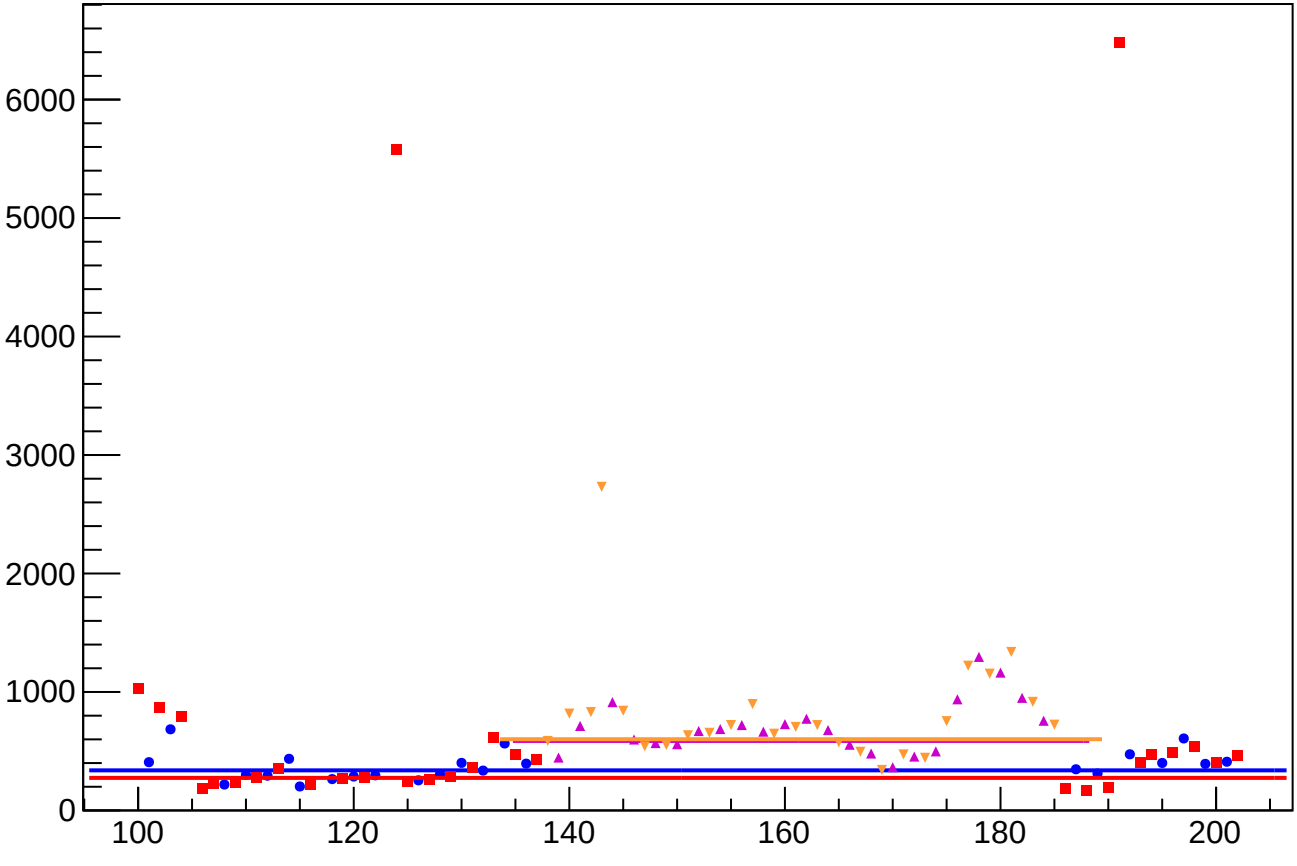
Right: -0.015+/-0.064 χ^2/NDF: 54.7/51

In: -0.130+/-0.084 χ^2/NDF:43.2/45

Out: 0.037+/-0.072 χ^2/NDF:69.0/53

All: -0.034+/-0.055 χ^2/NDF: 114.4/99

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 338.512+/-0.072 χ^2/NDF: 1720087.9/22

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 274.901+/-0.059 χ^2/NDF: 4787522.0/28

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

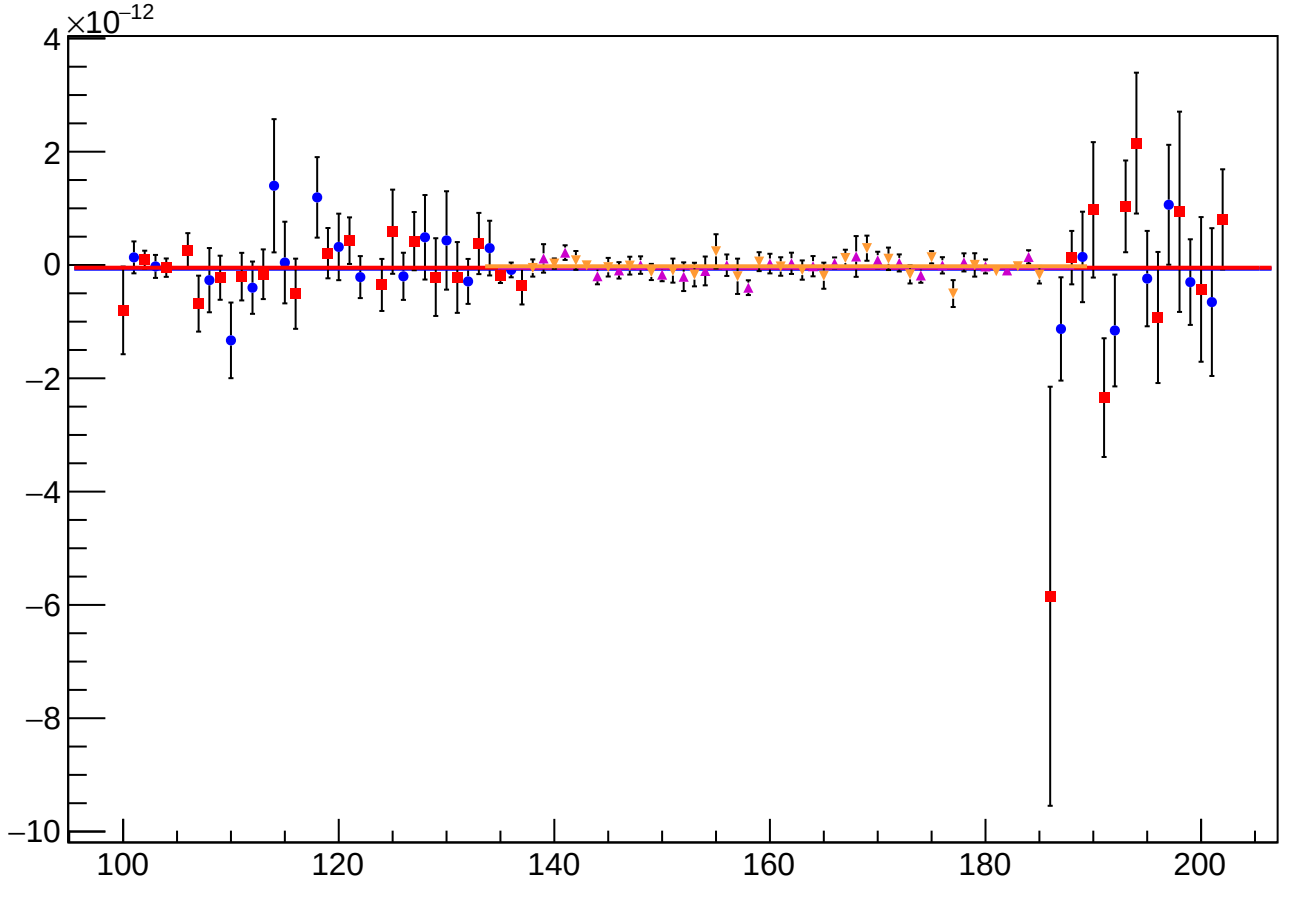
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 300.023+/-0.046 χ^2/NDF: 6974539.5/51

In: 420.995+/-0.059 χ^2/NDF:8560772.4/45

Out: 352.981+/-0.051 χ^2/NDF:16692765.9/53

All: 381.985+/-0.039 χ^2/NDF: 26011234.1/99



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/28

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

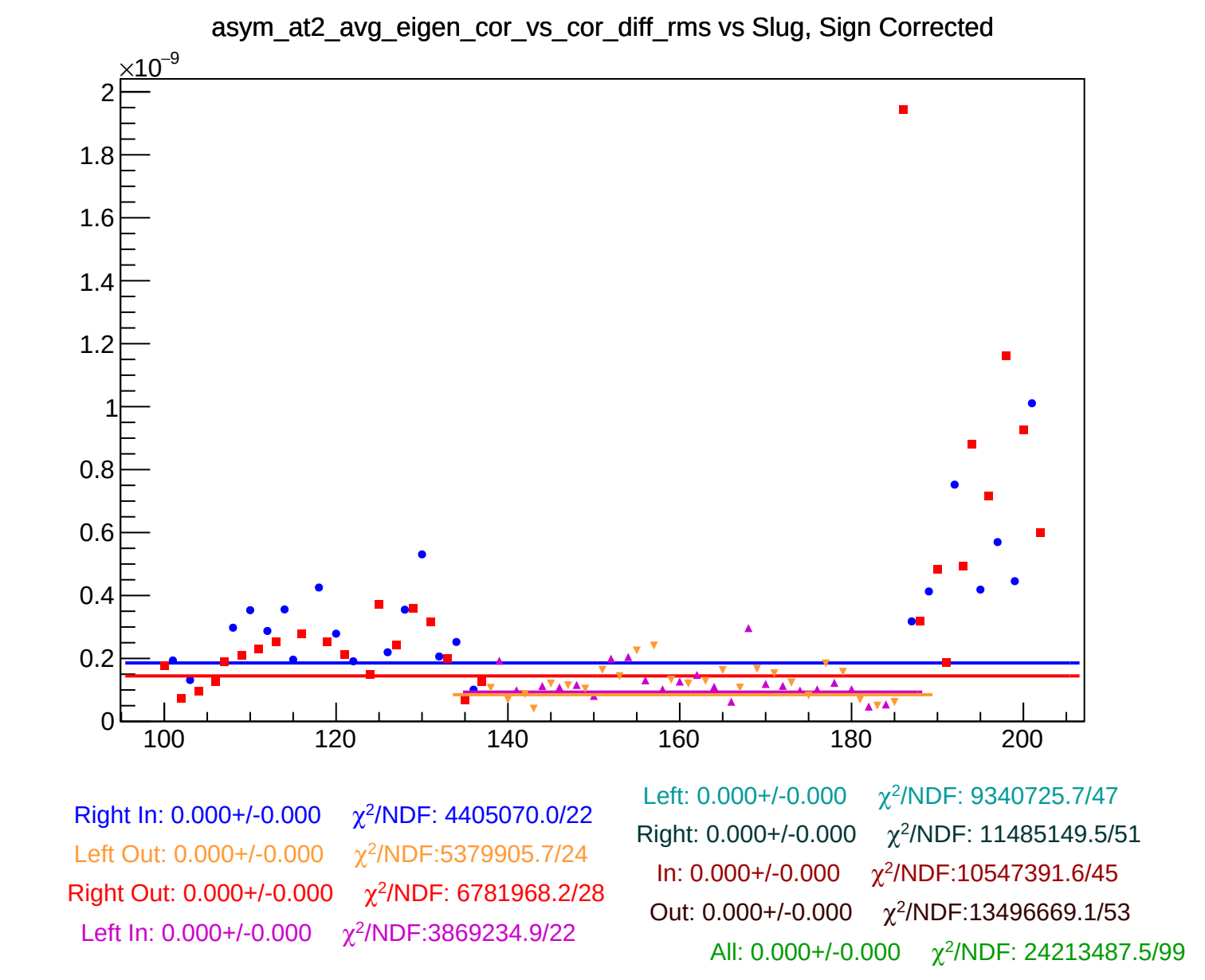
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 42.6/51

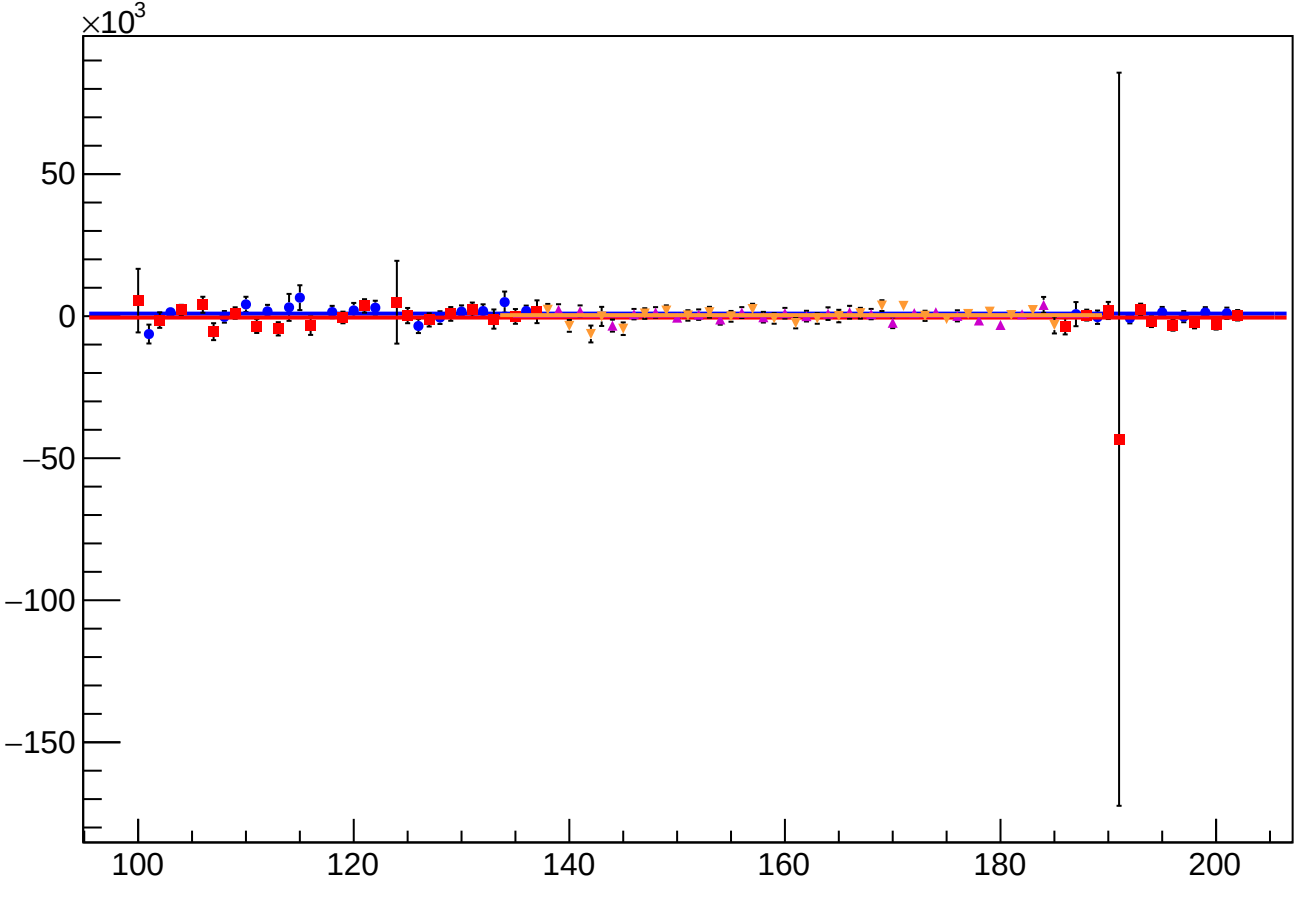
In: -0.000+/-0.000 χ^2/NDF:38.2/45

Out: -0.000+/-0.000 χ^2/NDF:42.9/53

All: -0.000+/-0.000 χ^2/NDF: 81.4/99


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
Right In: 0.000+/-0.000 χ²/NDF: 4405070.0/22
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6781968.2/28
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: 11485149.5/51
In: 0.000+/-0.000 χ²/NDF:10547391.6/45
Out: 0.000+/-0.000 χ²/NDF:13496669.1/53
All: 0.000+/-0.000 χ²/NDF: 24213487.5/99

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 897.435+/-482.437 χ^2/NDF: 16.1/22

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -498.046+/-453.165 χ^2/NDF: 27.9/28

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

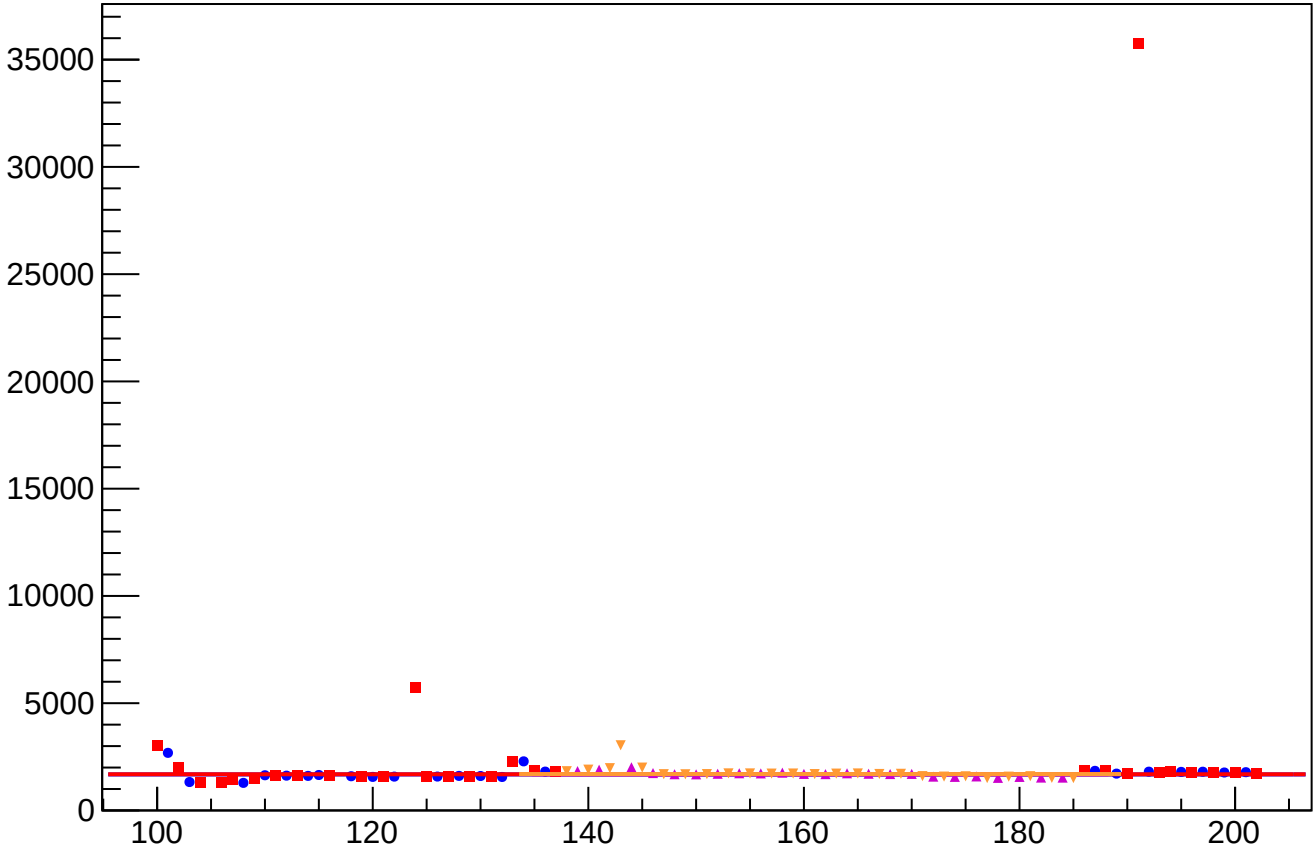
Right: 156.077+/-330.300 χ^2/NDF: 48.4/51

In: 453.506+/-305.282 χ^2/NDF:33.5/45

Out: -2.140+/-294.786 χ^2/NDF:59.5/53

All: 217.716+/-212.059 χ^2/NDF: 94.2/99

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1677.953+/-0.341 χ^2/NDF: 467242.4/22

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1686.894+/-0.320 χ^2/NDF: 667640.7/28

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

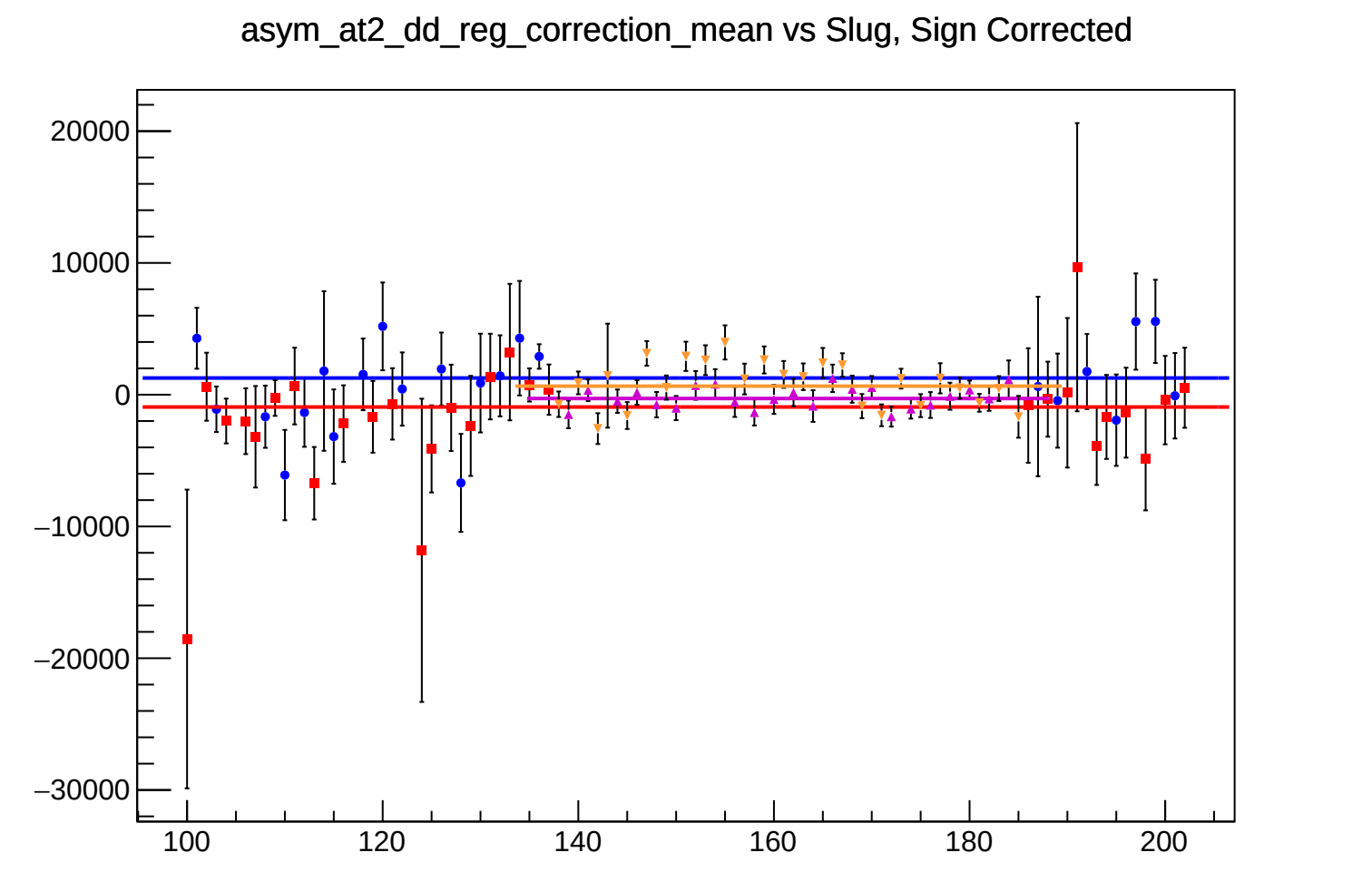
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1682.703+/-0.234 χ^2/NDF: 1135248.0/51

In: 1681.925+/-0.216 χ^2/NDF:632824.1/45

Out: 1693.010+/-0.208 χ^2/NDF:1163670.0/53

All: 1687.661+/-0.150 χ^2/NDF: 1797858.6/99



Right In: 1265.940+/-530.067 χ^2/NDF: 26.5/22

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -934.936+/-500.394 χ^2/NDF: 17.6/28

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

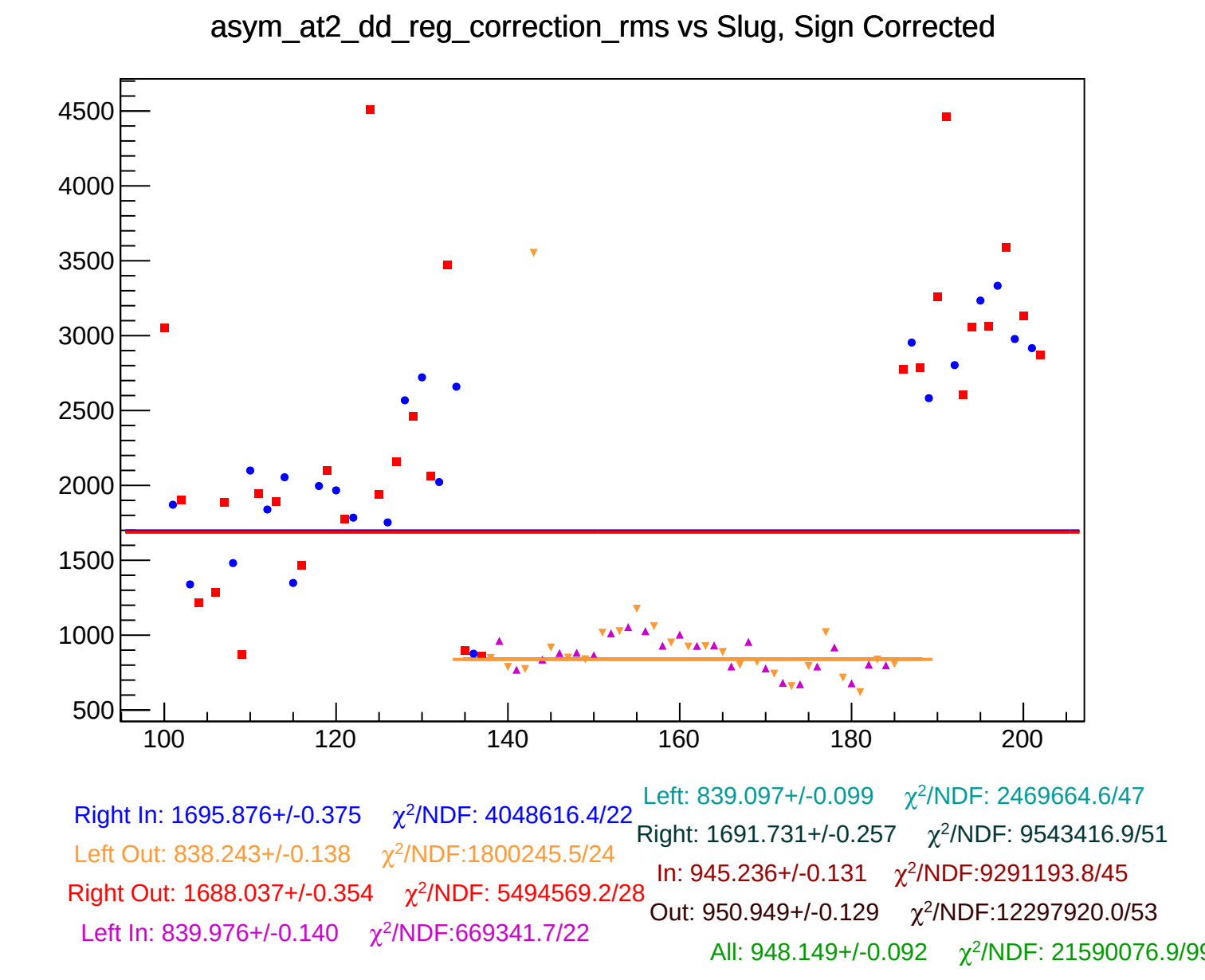
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

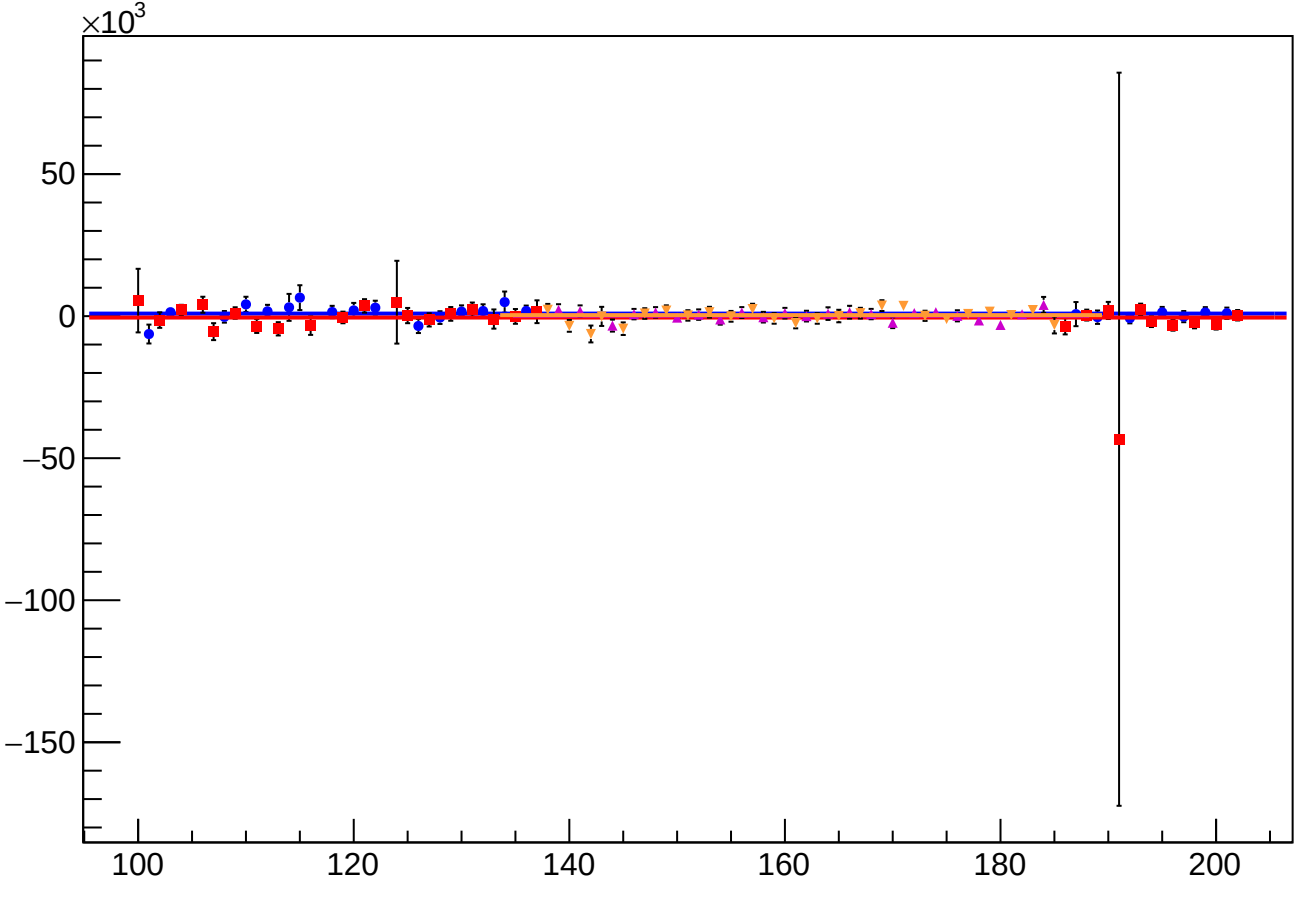
Right: 102.178+/-363.870 χ^2/NDF: 53.3/51

In: -97.433+/-185.888 χ^2/NDF:50.6/45

Out: 439.070+/-182.234 χ^2/NDF:91.8/53

All: 176.144+/-130.131 χ^2/NDF: 146.7/99


asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1695.876+/-0.375 χ²/NDF: 4048616.4/22
Left Out: 838.243+/-0.138 χ²/NDF:1800245.5/24
Right Out: 1688.037+/-0.354 χ²/NDF: 5494569.2/28
Left In: 839.976+/-0.140 χ²/NDF:669341.7/22
Left: 839.097+/-0.099 χ²/NDF: 2469664.6/47
Right: 1691.731+/-0.257 χ²/NDF: 9543416.9/51
In: 945.236+/-0.131 χ²/NDF:9291193.8/45
Out: 950.949+/-0.129 χ²/NDF:12297920.0/53
All: 948.149+/-0.092 χ²/NDF: 21590076.9/99



Right In: 897.465+/-482.437 χ^2/NDF: 16.1/22

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -498.224+/-453.165 χ^2/NDF: 27.9/28

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

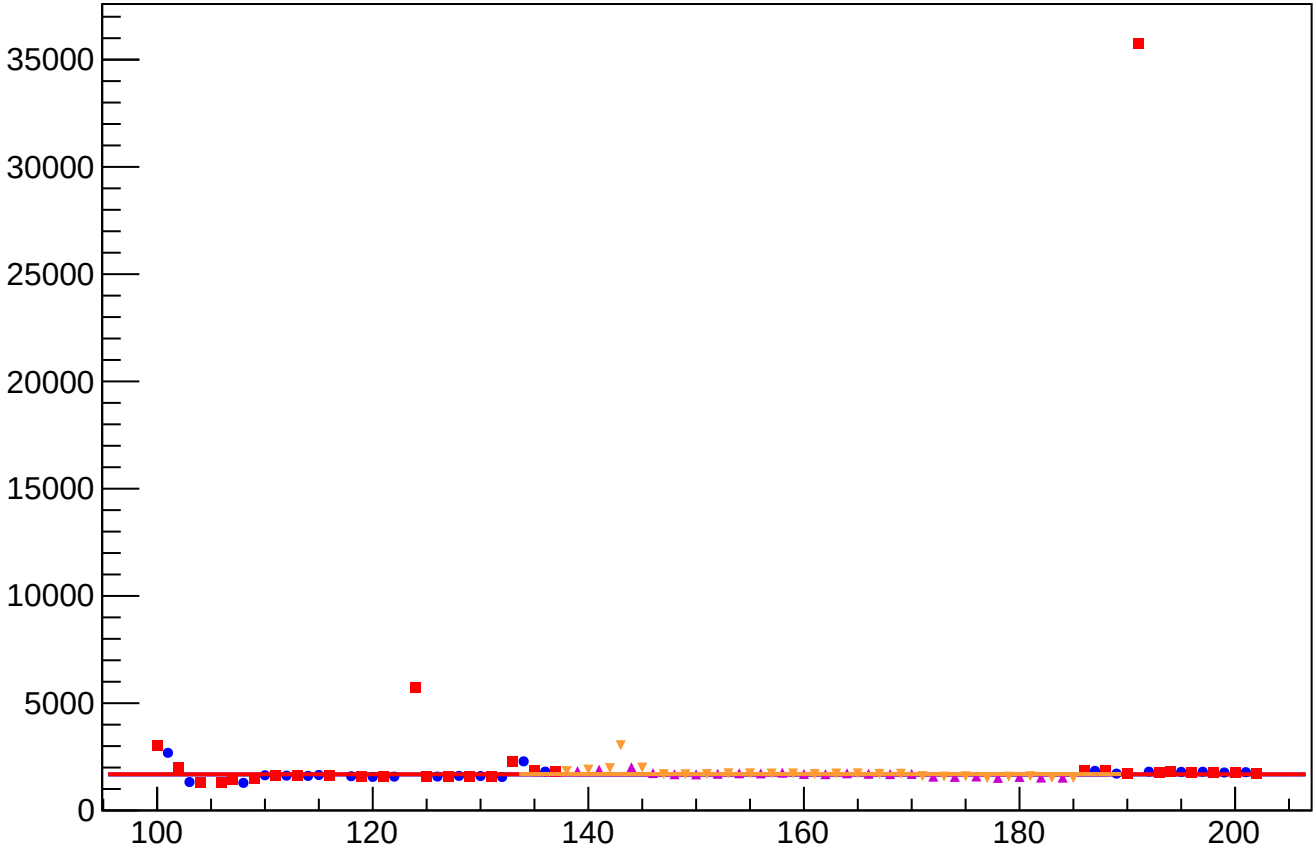
Right: 155.996+/-330.300 χ^2/NDF: 48.4/51

In: 453.462+/-305.282 χ^2/NDF:33.5/45

Out: -2.264+/-294.786 χ^2/NDF:59.5/53

All: 217.630+/-212.059 χ^2/NDF: 94.2/99

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1677.953+/-0.341 χ^2/NDF: 467242.7/22

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1686.894+/-0.320 χ^2/NDF: 667640.8/28

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

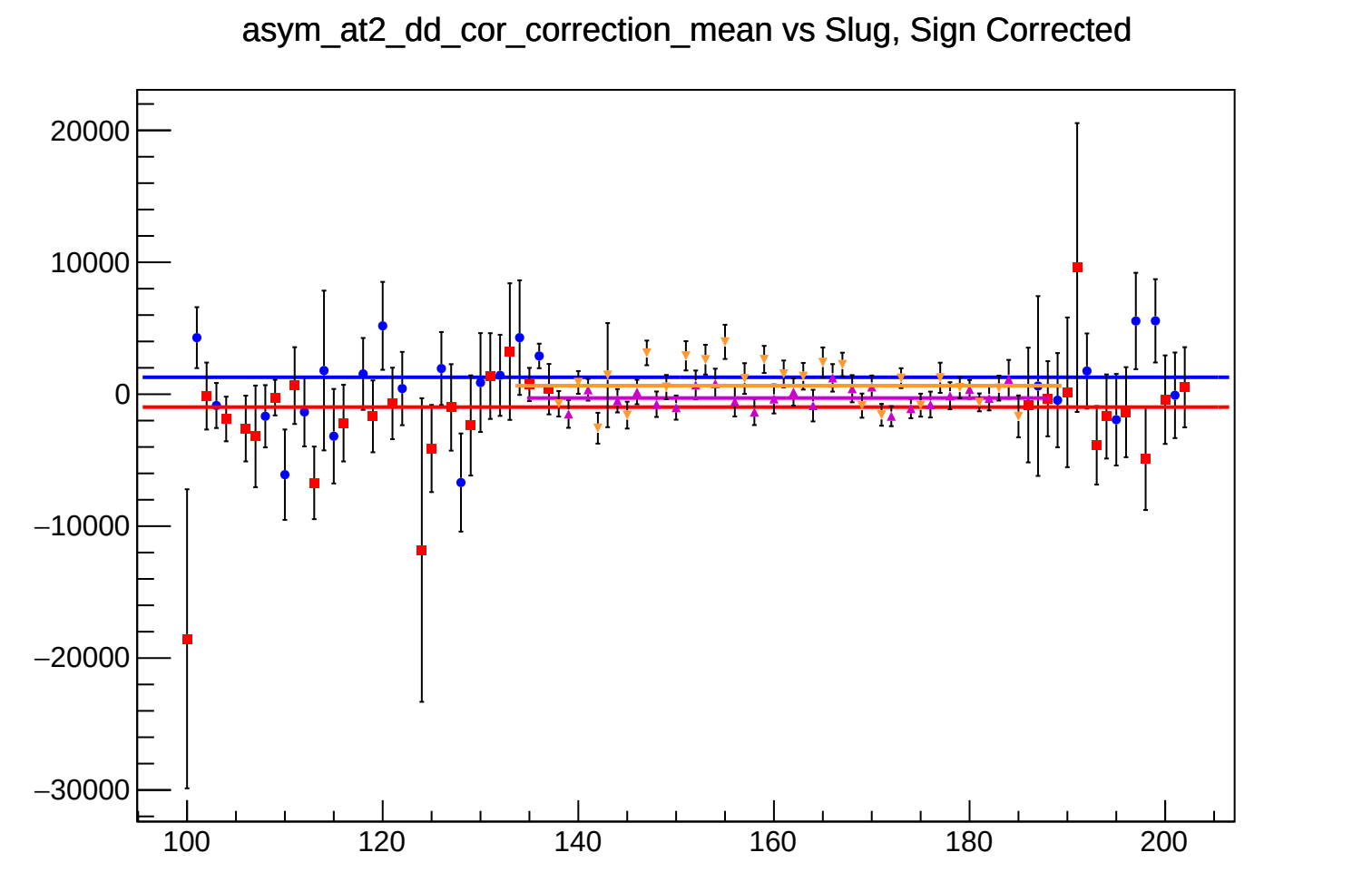
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1682.703+/-0.234 χ^2/NDF: 1135248.5/51

In: 1681.925+/-0.216 χ^2/NDF:632824.4/45

Out: 1693.010+/-0.208 χ^2/NDF:1163670.1/53

All: 1687.661+/-0.150 χ^2/NDF: 1797859.0/99



Right In: 1284.916+/-529.436 χ^2/NDF: 26.2/22

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -976.537+/-499.836 χ^2/NDF: 17.5/28

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

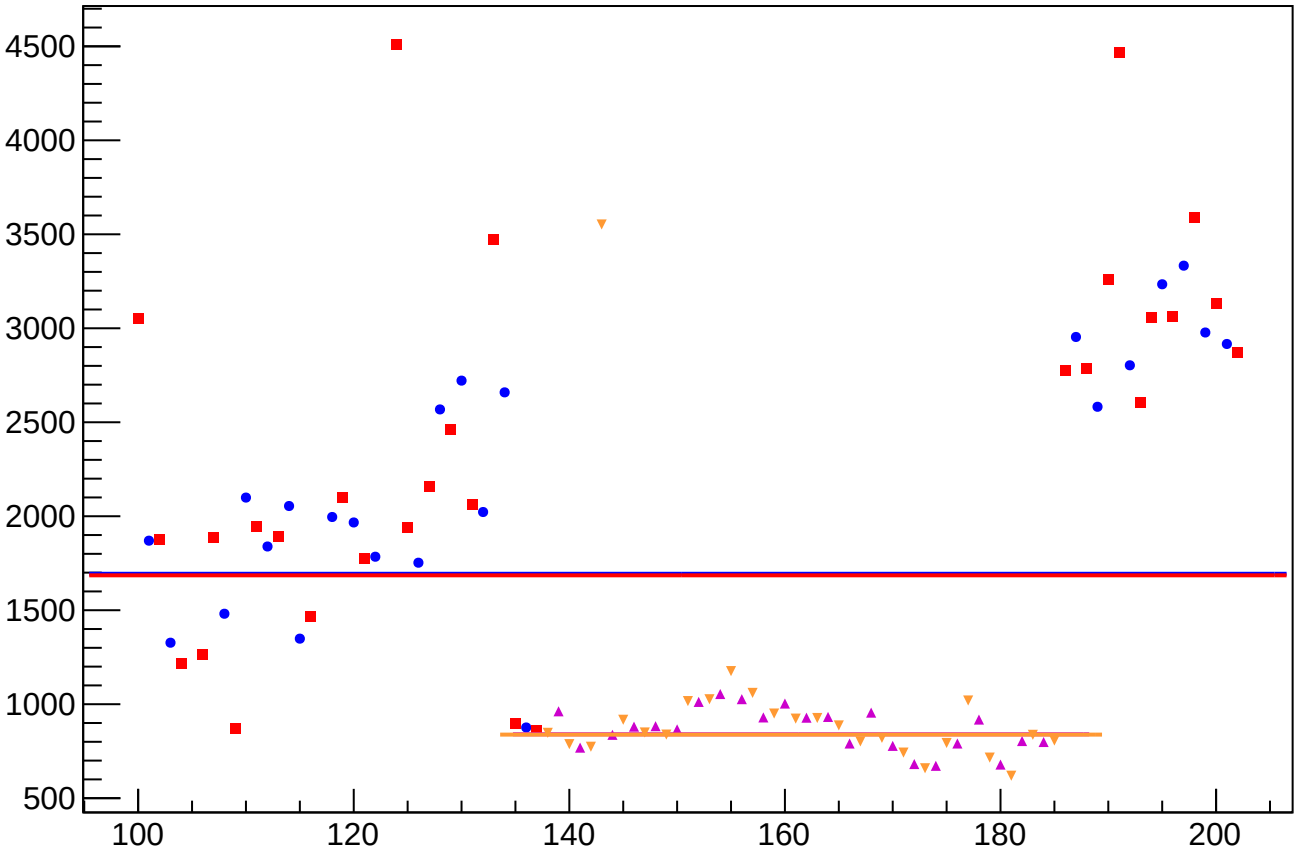
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 89.207+/-363.451 χ^2/NDF: 53.4/51

In: -94.682+/-185.861 χ^2/NDF:50.5/45

Out: 433.130+/-182.208 χ^2/NDF:92.2/53

All: 174.462+/-130.113 χ^2/NDF: 146.8/99



Right In: 1693.877+/-0.374 χ^2/NDF: 4056396.4/22

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1685.702+/-0.353 χ^2/NDF: 5500337.4/28

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

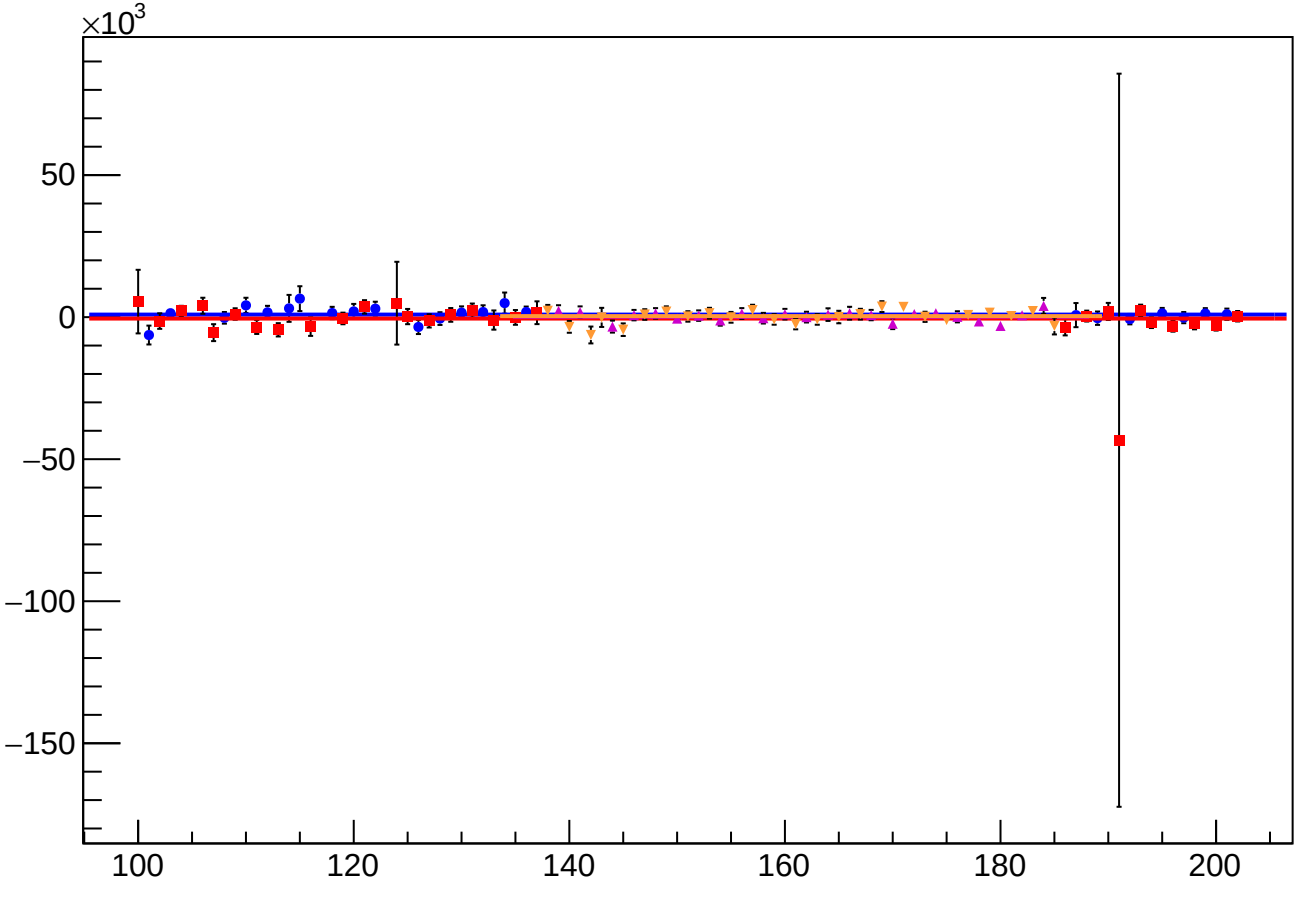
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1689.554+/-0.257 χ^2/NDF: 9556986.0/51

In: 945.212+/-0.131 χ^2/NDF:9287110.8/45

Out: 950.869+/-0.129 χ^2/NDF:12285612.2/53

All: 948.097+/-0.092 χ^2/NDF: 21573667.6/99



Right In: 897.465+/-482.437 χ^2/NDF: 16.1/22

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -498.224+/-453.165 χ^2/NDF: 27.9/28

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

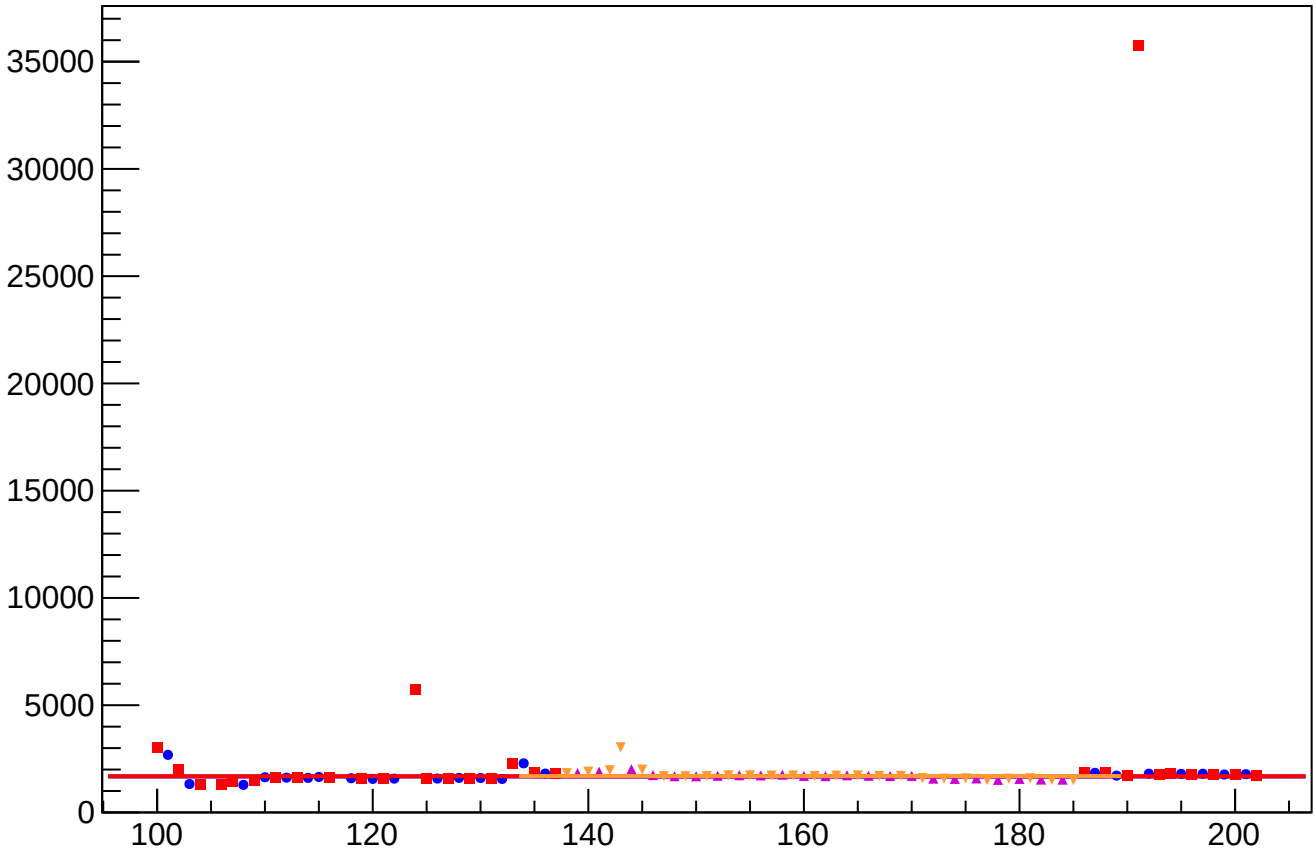
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 155.996+/-330.300 χ^2/NDF: 48.4/51

In: 453.462+/-305.282 χ^2/NDF:33.5/45

Out: -2.264+/-294.786 χ^2/NDF:59.5/53

All: 217.630+/-212.059 χ^2/NDF: 94.2/99



Right In: 1677.953+/-0.341 χ^2/NDF: 467242.7/22

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1686.894+/-0.320 χ^2/NDF: 667640.8/28

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

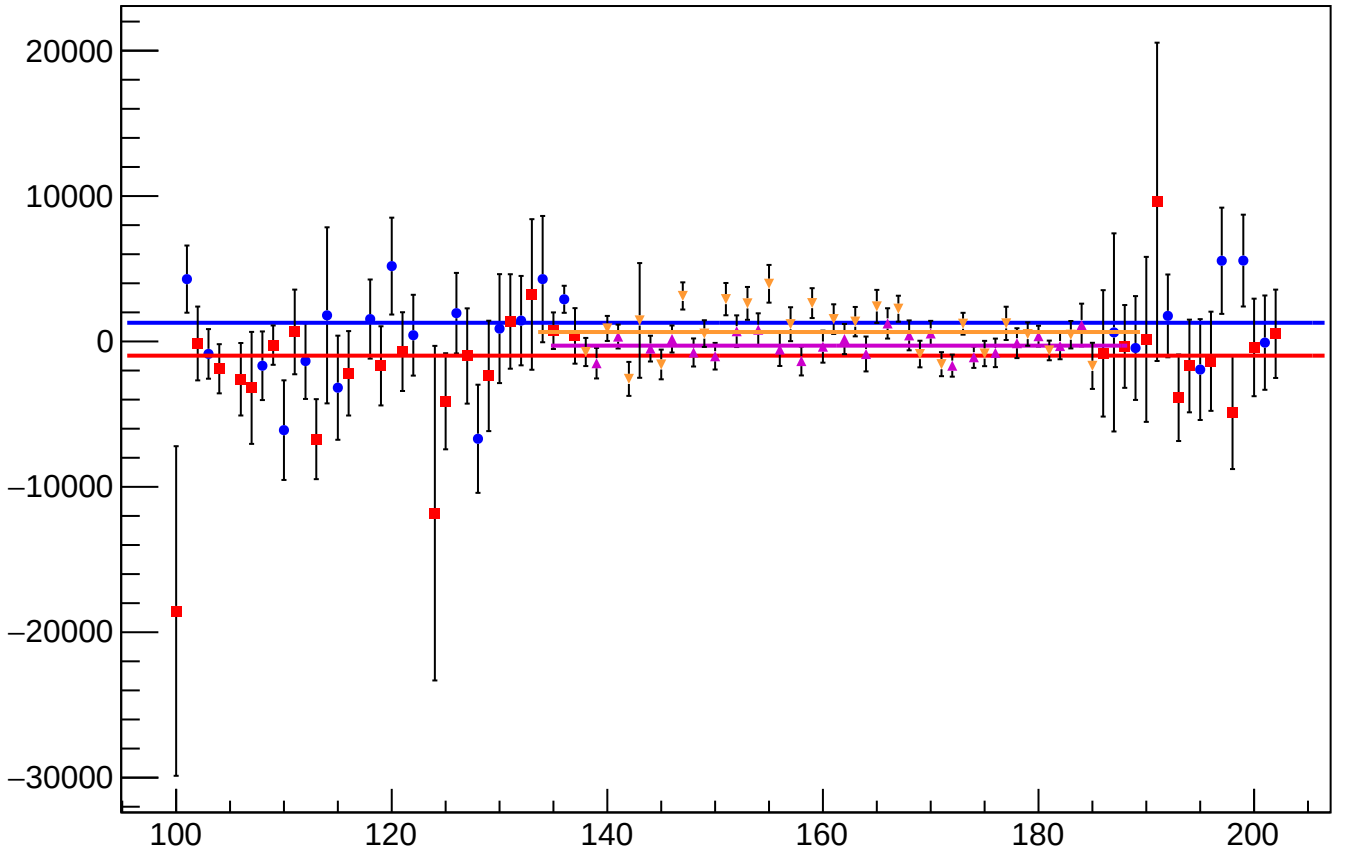
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1682.703+/-0.234 χ^2/NDF: 1135248.5/51

In: 1681.925+/-0.216 χ^2/NDF:632824.4/45

Out: 1693.010+/-0.208 χ^2/NDF:1163670.1/53

All: 1687.661+/-0.150 χ^2/NDF: 1797859.0/99



Right In: 1284.916+/-529.436 χ^2/NDF: 26.2/22

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -976.537+/-499.836 χ^2/NDF: 17.5/28

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

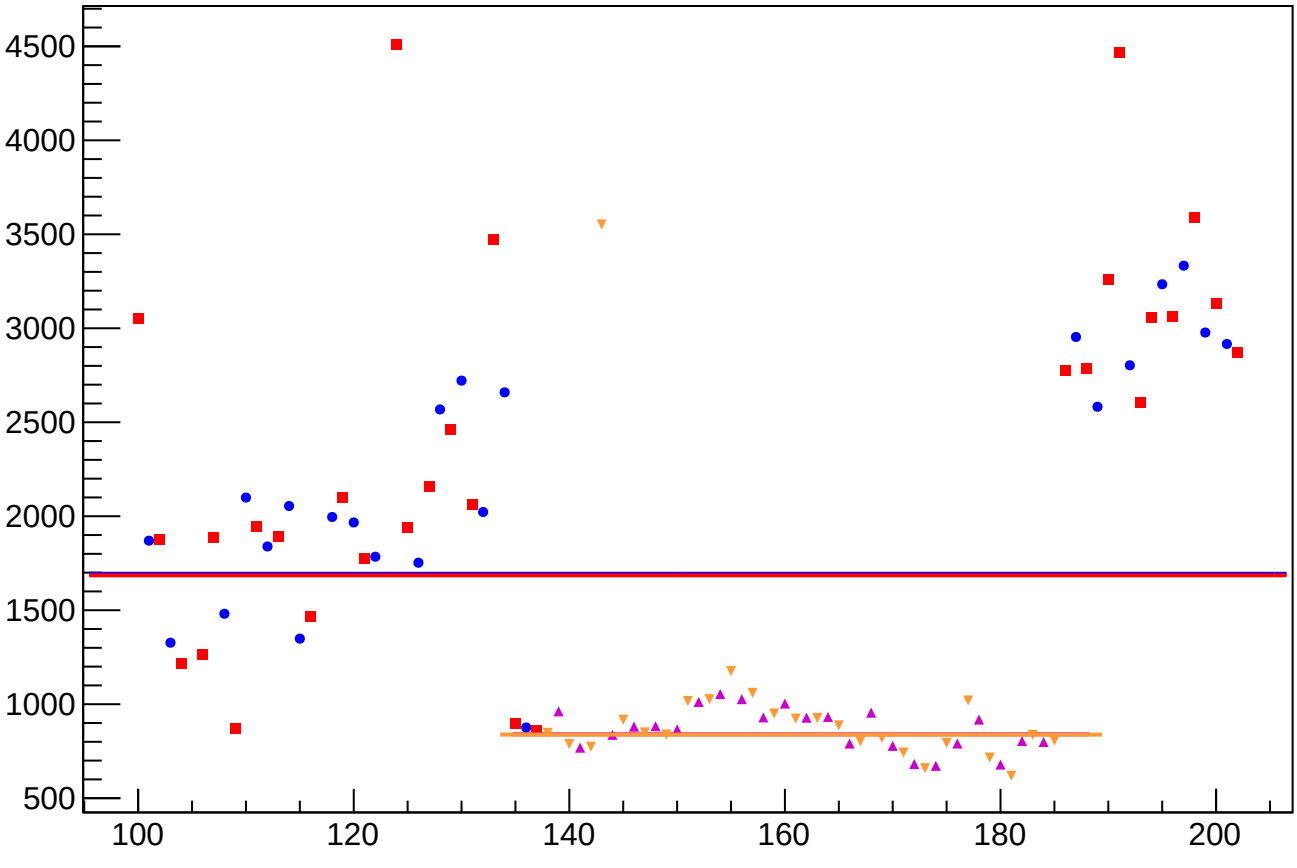
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 89.207+/-363.451 χ^2/NDF: 53.4/51

In: -94.682+/-185.861 χ^2/NDF:50.5/45

Out: 433.130+/-182.208 χ^2/NDF:92.2/53

All: 174.462+/-130.113 χ^2/NDF: 146.8/99



Right In: 1693.877+/-0.374 χ^2/NDF: 4056396.4/22

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1685.702+/-0.353 χ^2/NDF: 5500337.4/28

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

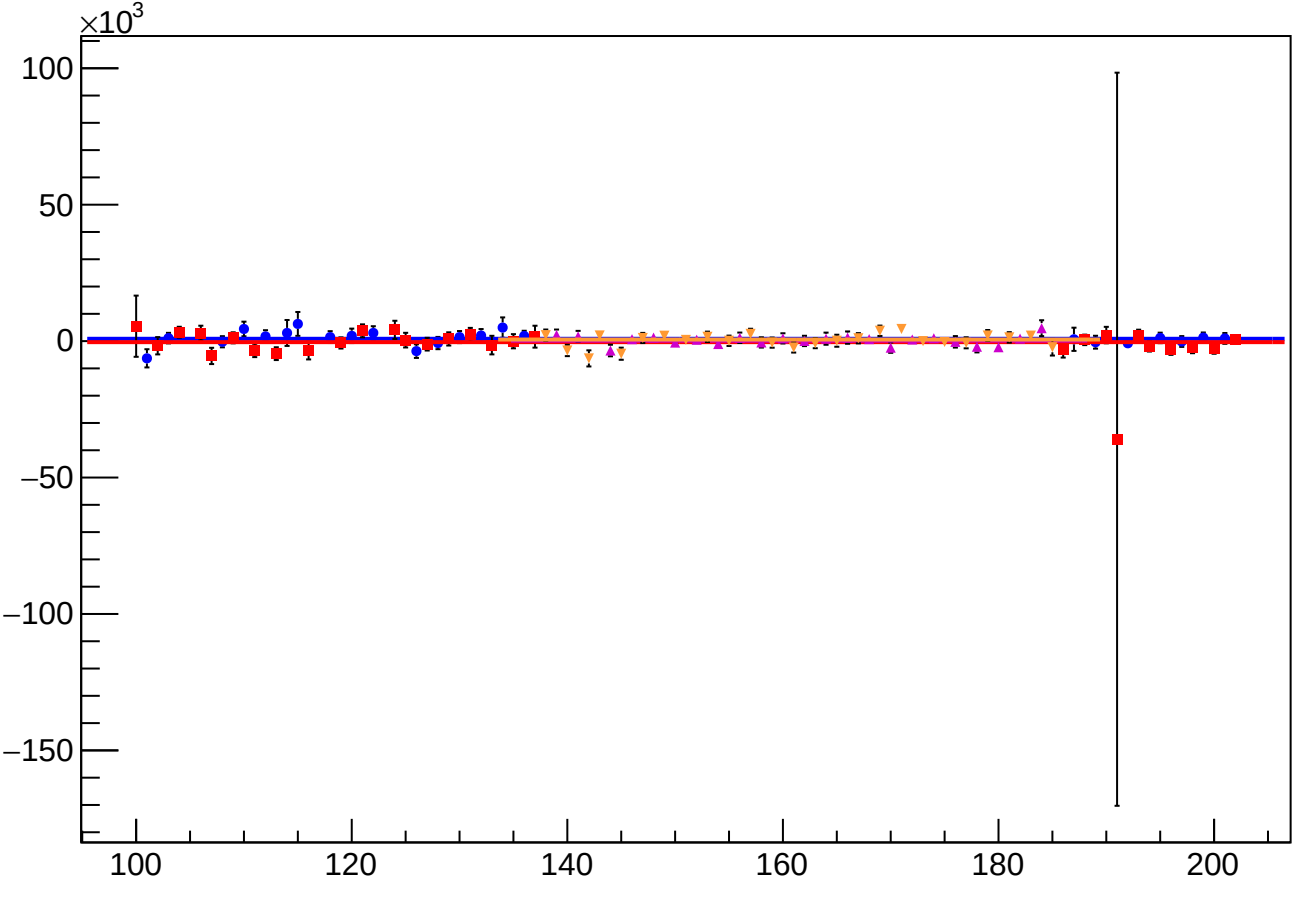
Right: 1689.554+/-0.257 χ^2/NDF: 9556986.0/51

In: 945.212+/-0.131 χ^2/NDF:9287110.8/45

Out: 950.869+/-0.129 χ^2/NDF:12285612.2/53

All: 948.097+/-0.092 χ^2/NDF: 21573667.6/99

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 852.448+/-486.972 χ^2/NDF: 16.6/22

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -376.578+/-453.691 χ^2/NDF: 30.2/28

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

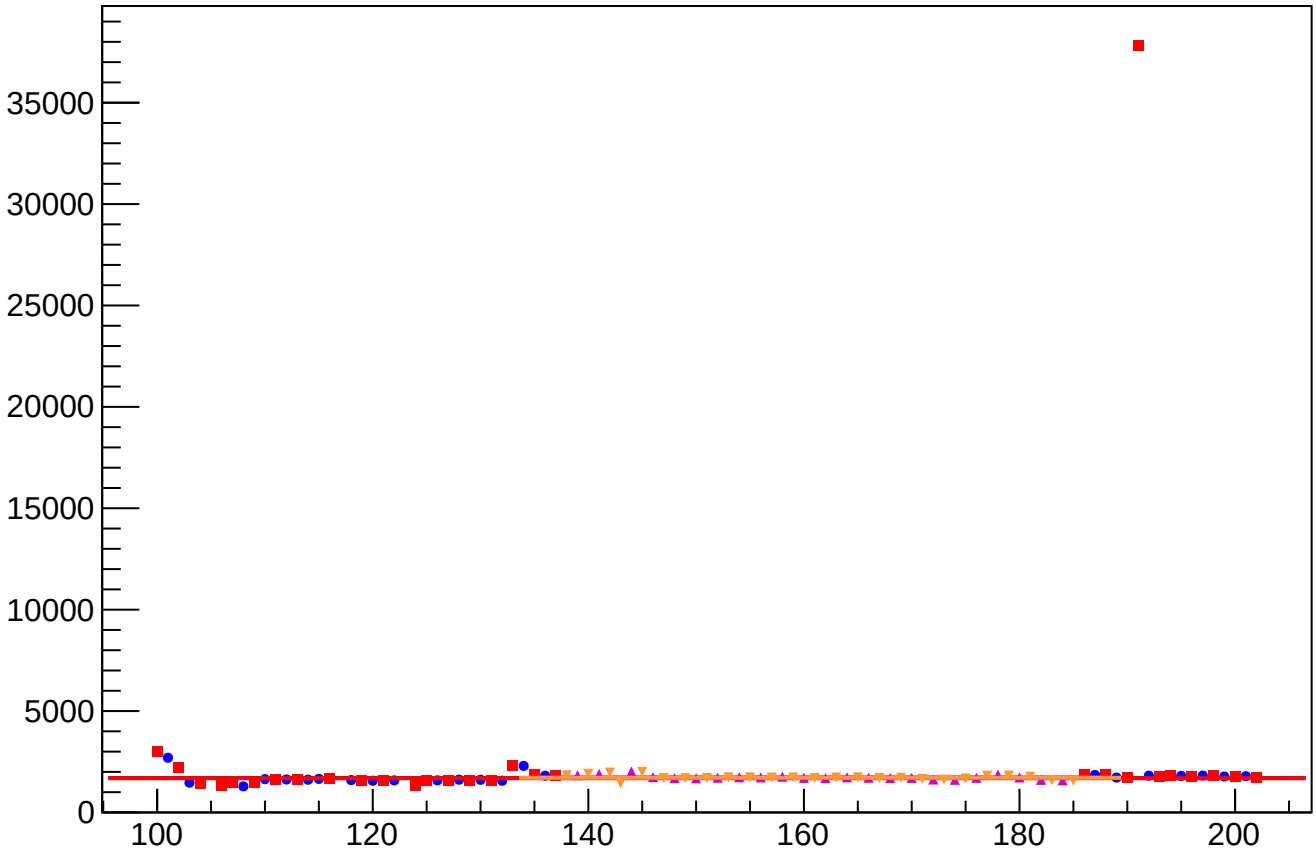
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 194.506+/-331.950 χ^2/NDF: 50.2/51

In: 457.672+/-310.972 χ^2/NDF:32.2/45

Out: 173.964+/-295.647 χ^2/NDF:64.7/53

All: 308.656+/-214.267 χ^2/NDF: 97.3/99



Right In: 1695.696+/-0.344 χ^2/NDF: 411515.9/22

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1692.831+/-0.321 χ^2/NDF: 527814.4/28

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

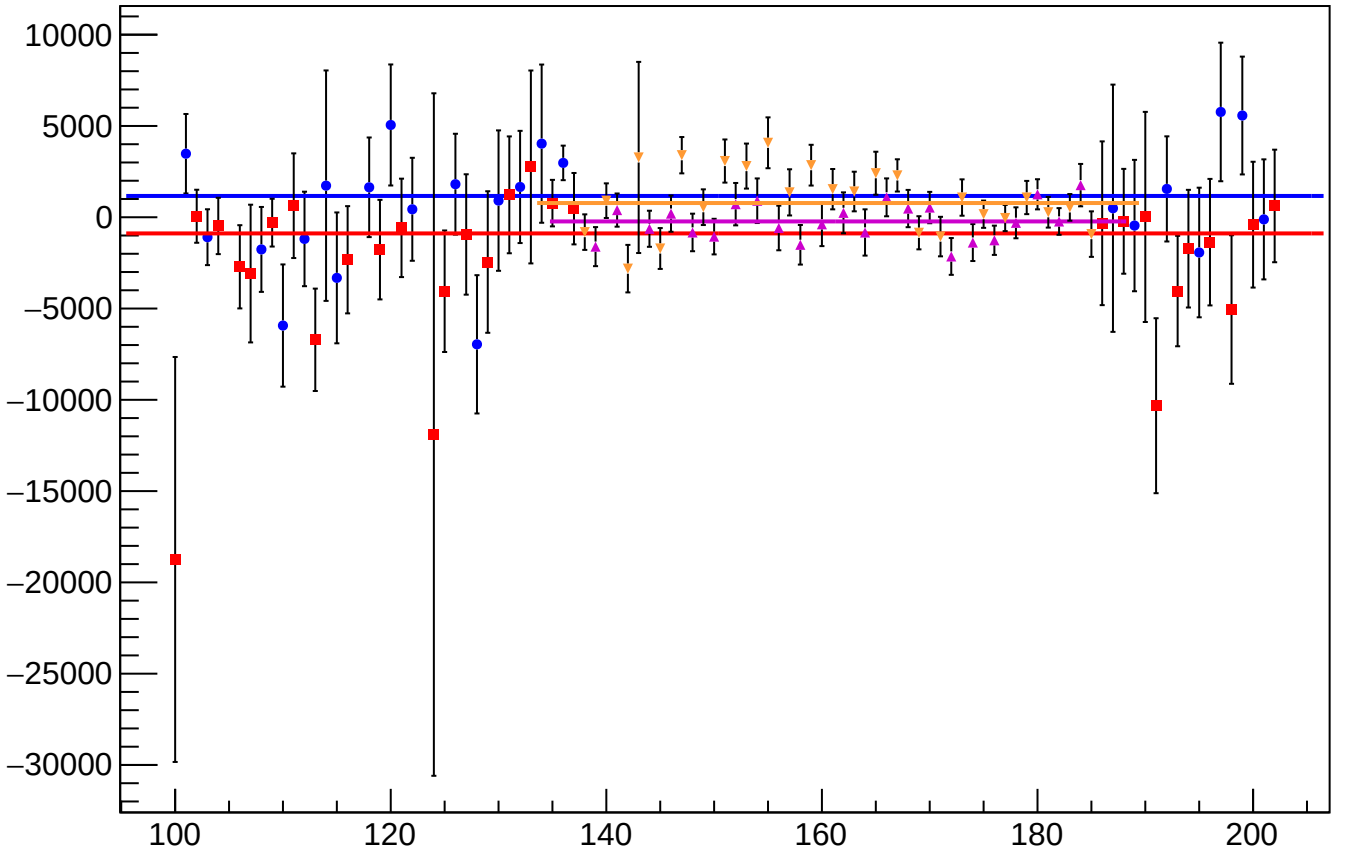
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1694.162+/-0.235 χ^2/NDF: 939367.3/51

In: 1714.775+/-0.220 χ^2/NDF:516926.5/45

Out: 1703.694+/-0.209 χ^2/NDF:697813.5/53

All: 1708.955+/-0.152 χ^2/NDF: 1216073.8/99



Right In: 1166.567+/-525.765 χ^2/NDF: 26.5/22

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -885.378+/-474.967 χ^2/NDF: 20.2/28

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

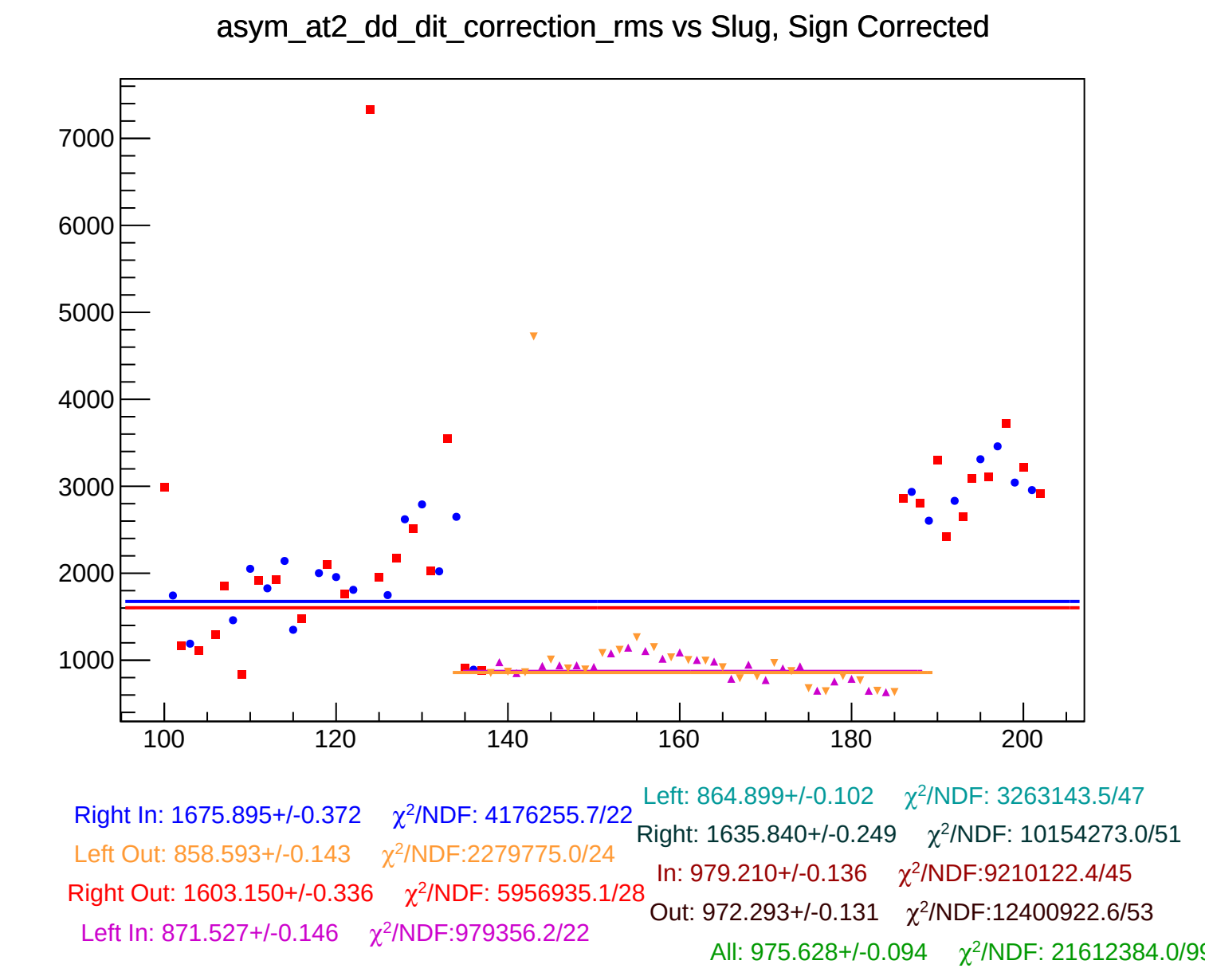
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

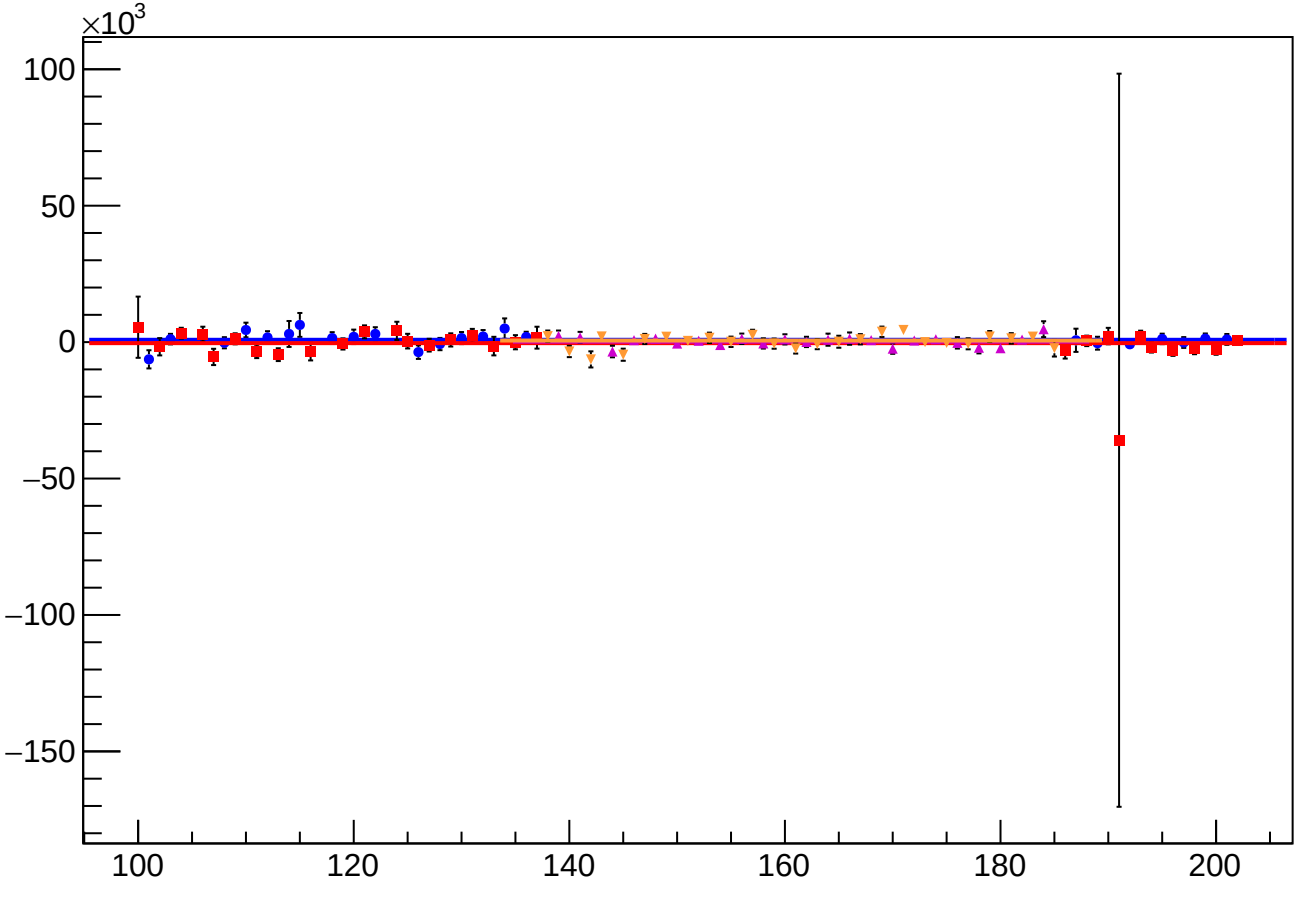
Right: 36.703+/-352.447 χ^2/NDF: 55.1/51

In: -42.066+/-192.370 χ^2/NDF:55.2/45

Out: 524.813+/-185.607 χ^2/NDF:85.1/53

All: 251.513+/-133.571 χ^2/NDF: 144.9/99


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1675.895+/-0.372 χ²/NDF: 4176255.7/22
Left Out: 858.593+/-0.143 χ²/NDF:2279775.0/24
Right Out: 1603.150+/-0.336 χ²/NDF: 5956935.1/28
Left In: 871.527+/-0.146 χ²/NDF:979356.2/22
Left: 864.899+/-0.102 χ²/NDF: 3263143.5/47
Right: 1635.840+/-0.249 χ²/NDF: 10154273.0/51
In: 979.210+/-0.136 χ²/NDF:9210122.4/45
Out: 972.293+/-0.131 χ²/NDF:12400922.6/53
All: 975.628+/-0.094 χ²/NDF: 21612384.0/99



Right In: 852.450+/-486.972 χ^2/NDF: 16.6/22

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -376.577+/-453.691 χ^2/NDF: 30.2/28

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

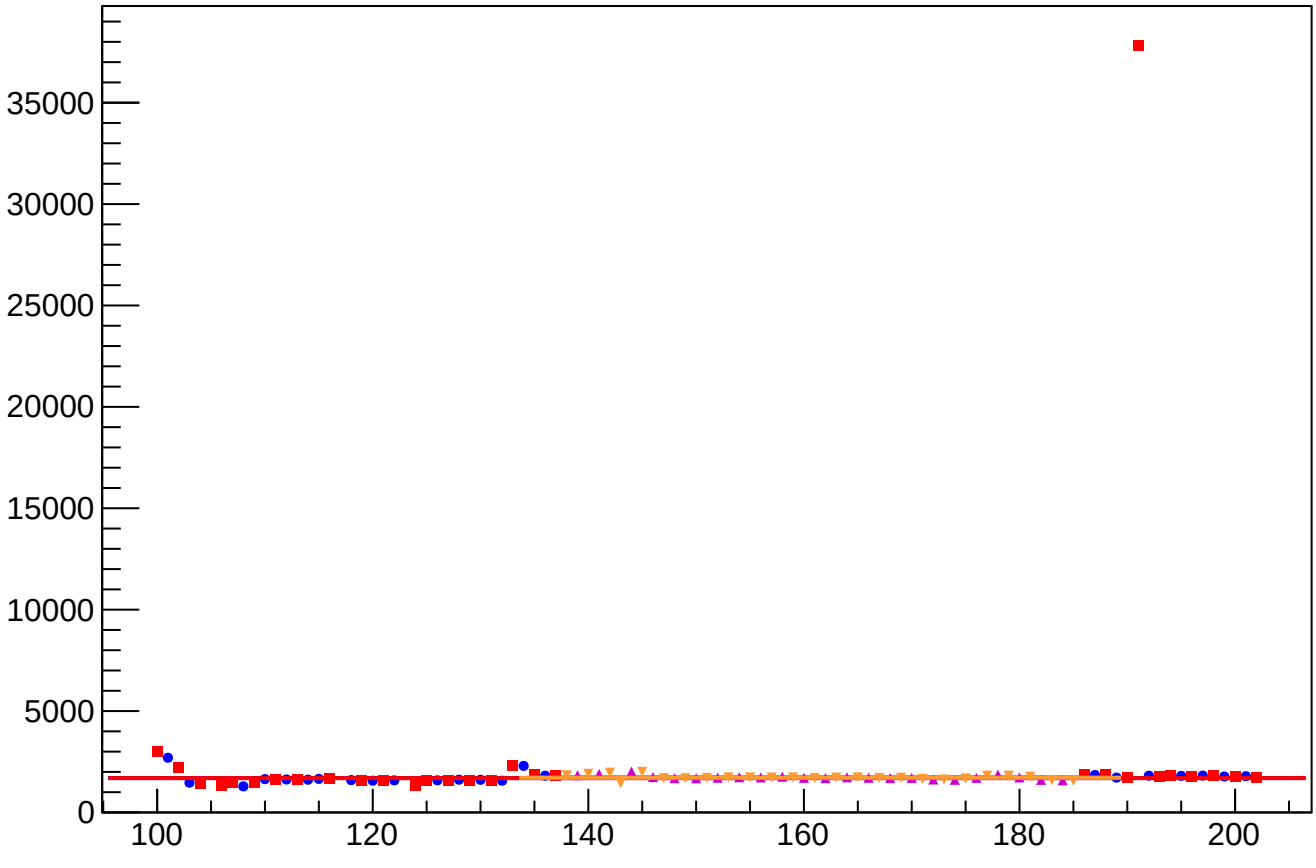
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 194.507+/-331.950 χ^2/NDF: 50.2/51

In: 457.673+/-310.972 χ^2/NDF:32.2/45

Out: 173.961+/-295.647 χ^2/NDF:64.7/53

All: 308.655+/-214.267 χ^2/NDF: 97.3/99



Right In: 1695.696+/-0.344 χ^2/NDF: 411515.6/22

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1692.831+/-0.321 χ^2/NDF: 527814.6/28

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

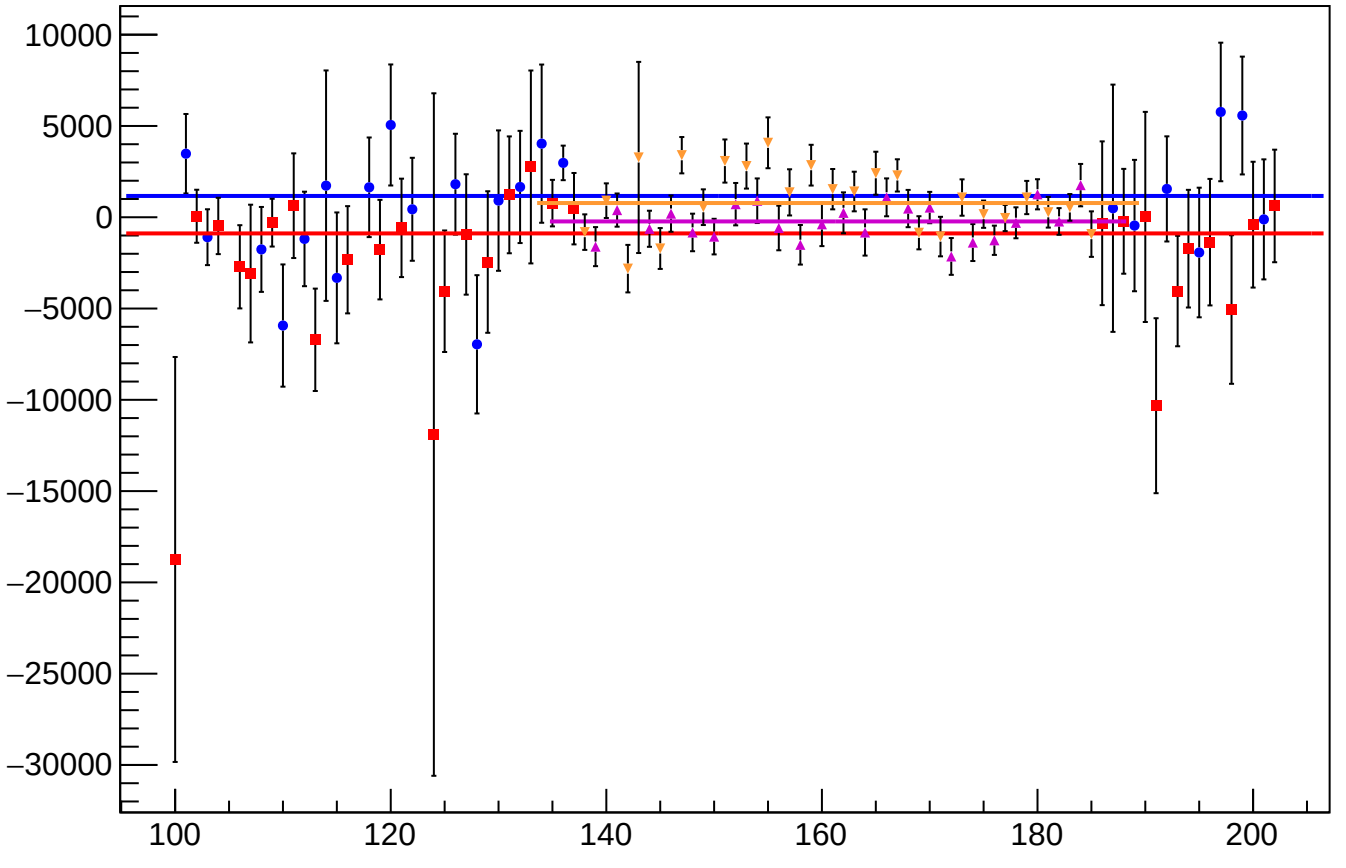
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1694.162+/-0.235 χ^2/NDF: 939367.3/51

In: 1714.775+/-0.220 χ^2/NDF:516926.2/45

Out: 1703.694+/-0.209 χ^2/NDF:697812.5/53

All: 1708.955+/-0.152 χ^2/NDF: 1216072.4/99



Right In: 1166.560+/-525.768 χ^2/NDF: 26.5/22

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -885.392+/-474.969 χ^2/NDF: 20.2/28

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

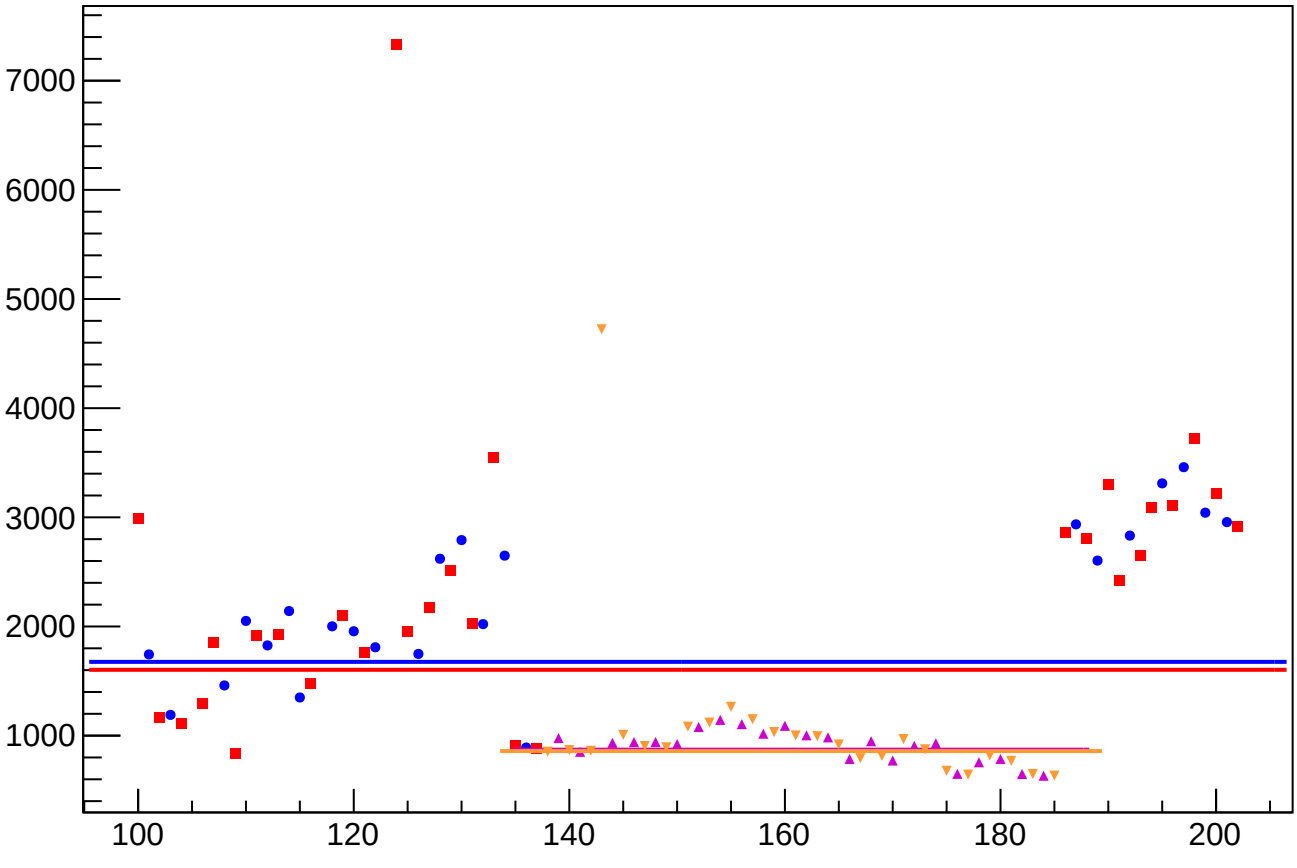
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 36.692+/-352.449 χ^2/NDF: 55.1/51

In: -42.067+/-192.370 χ^2/NDF:55.2/45

Out: 524.815+/-185.608 χ^2/NDF:85.1/53

All: 251.513+/-133.571 χ^2/NDF: 144.9/99



Right In: 1675.911+/-0.372 χ^2/NDF: 4176117.6/22

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1603.164+/-0.336 χ^2/NDF: 5956804.5/28

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

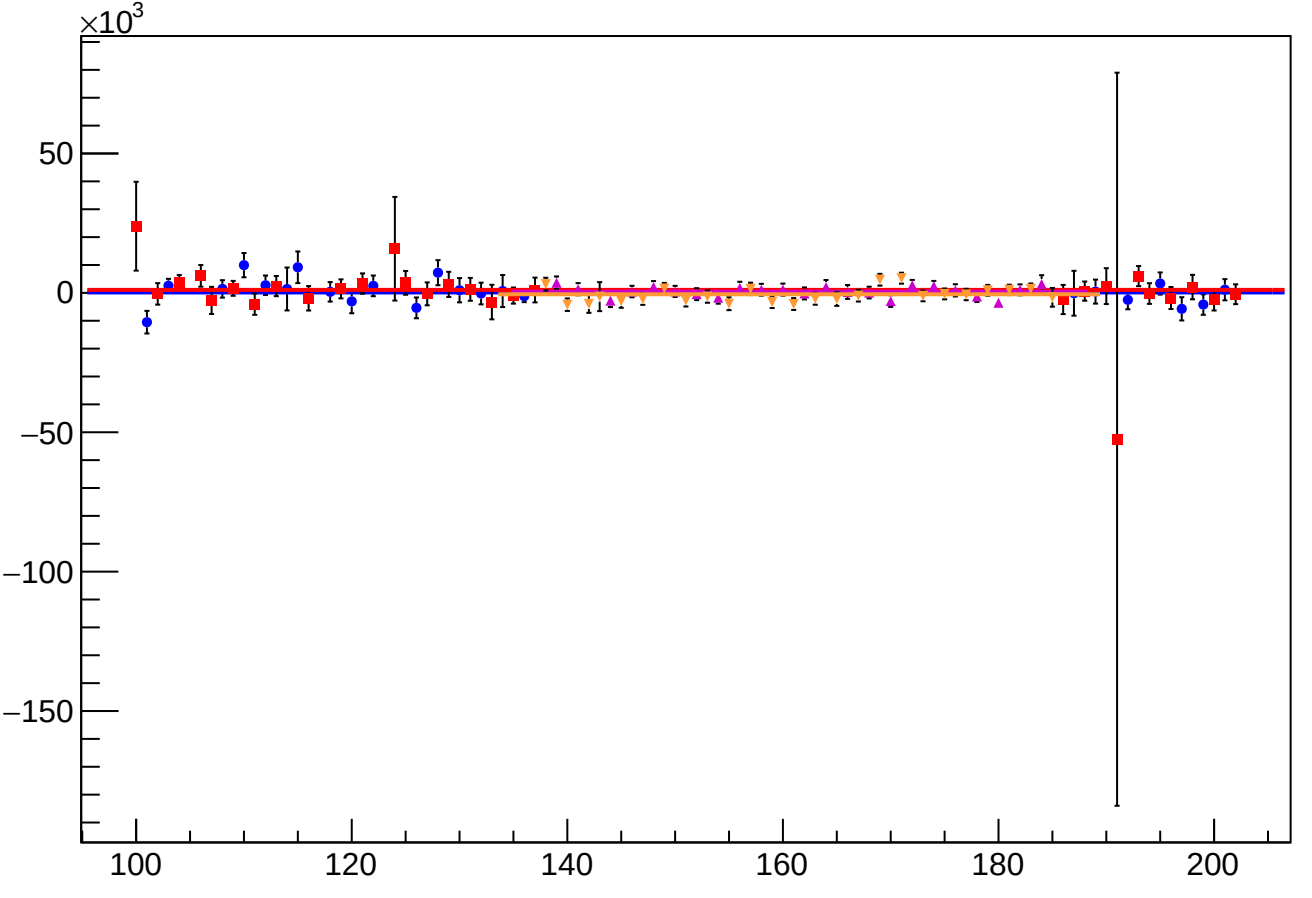
Right: 1635.855+/-0.249 χ^2/NDF: 10154005.1/51

In: 979.210+/-0.136 χ^2/NDF:9210118.3/45

Out: 972.294+/-0.131 χ^2/NDF:12400898.8/53

All: 975.628+/-0.094 χ^2/NDF: 21612355.6/99

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 155.771+/-783.423 χ^2/NDF: 27.0/22

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1070.349+/-741.736 χ^2/NDF: 15.2/28

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

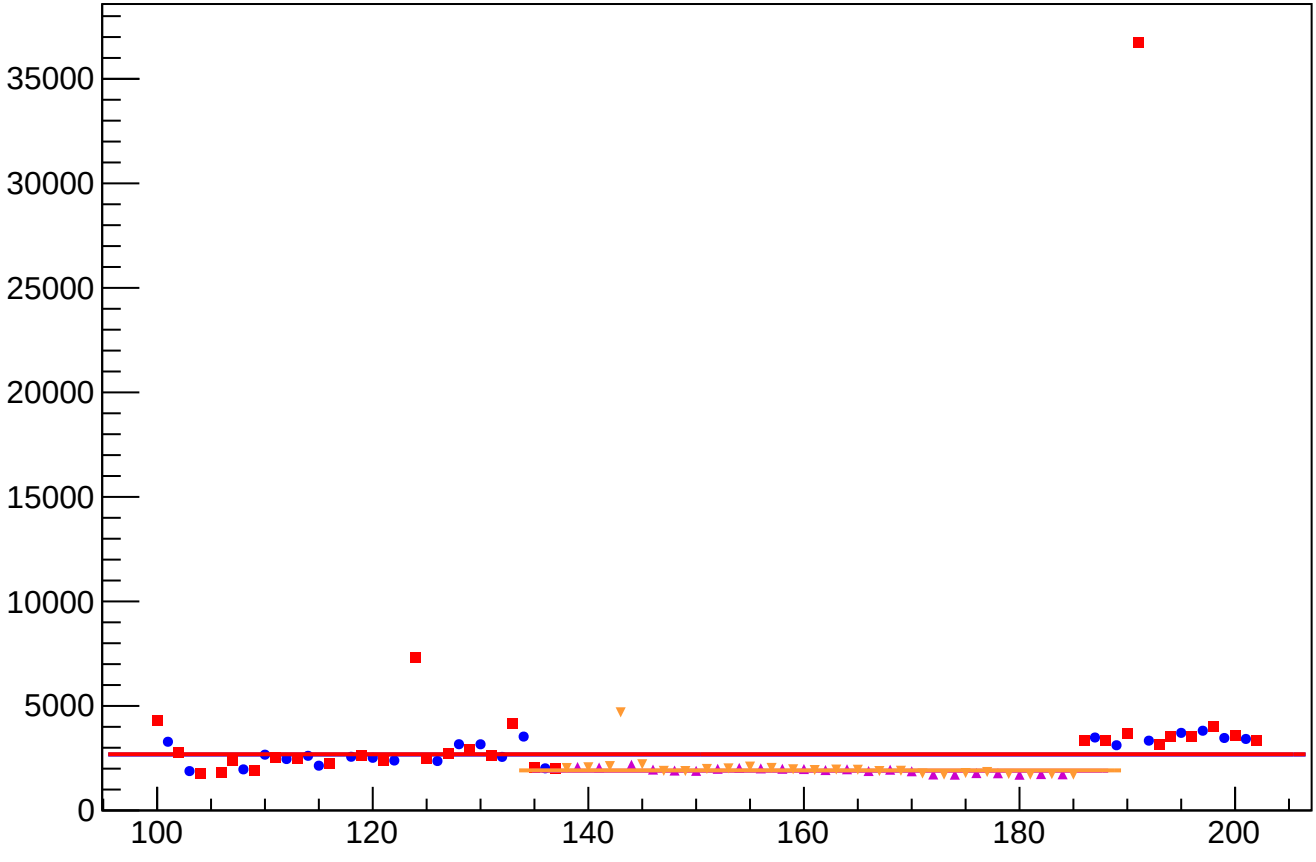
Right: 638.040+/-538.621 χ^2/NDF: 42.9/51

In: 349.074+/-386.654 χ^2/NDF:45.9/45

Out: -92.483+/-378.374 χ^2/NDF:54.5/53

All: 123.517+/-270.431 χ^2/NDF: 101.1/99

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2674.345+/-0.554 χ^2/NDF: 1269626.7/22

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2689.770+/-0.524 χ^2/NDF: 1915675.8/28

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

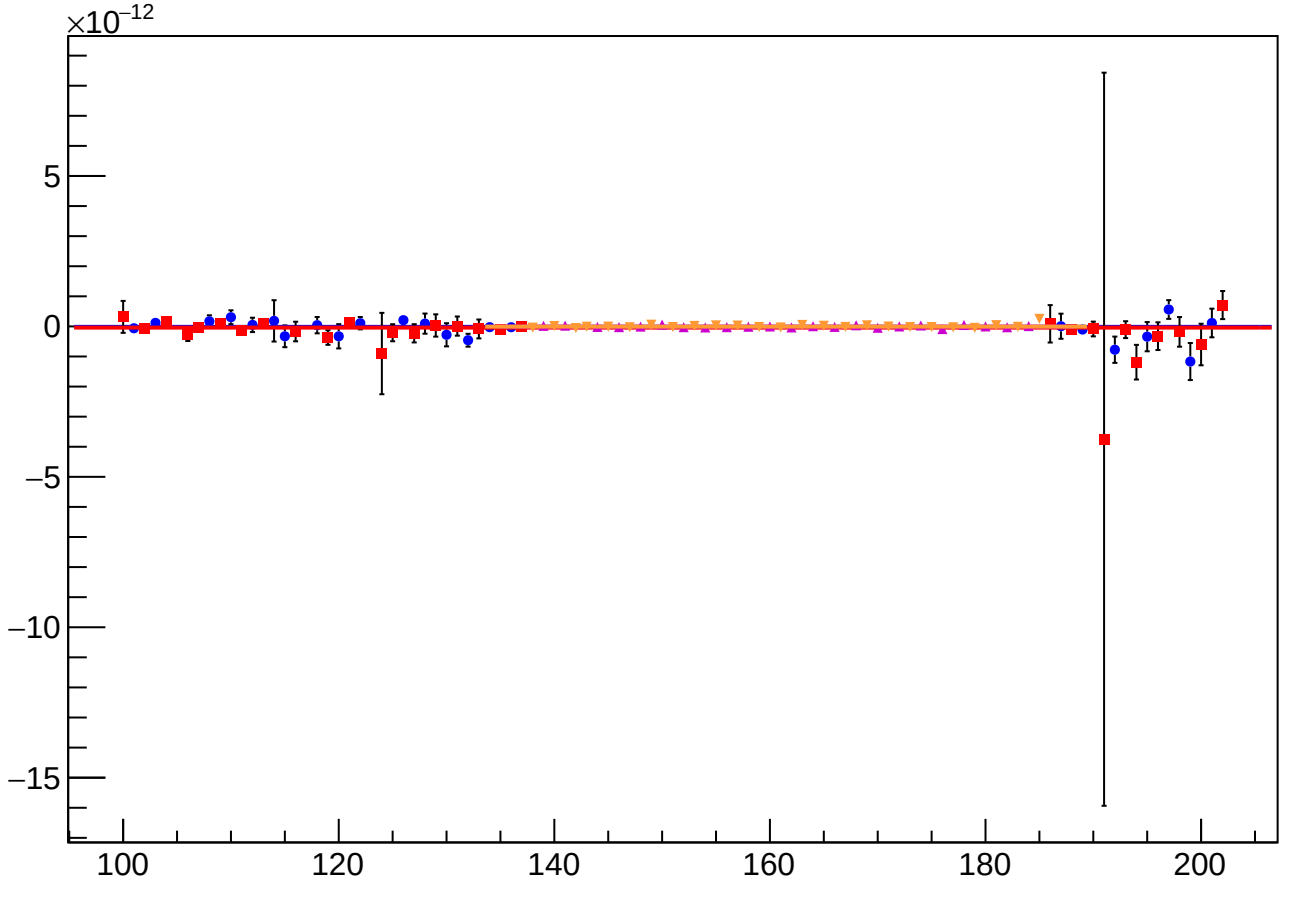
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2682.479+/-0.381 χ^2/NDF: 3185711.4/51

In: 2088.049+/-0.273 χ^2/NDF:2923856.3/45

Out: 2118.210+/-0.268 χ^2/NDF:4277378.1/53

All: 2103.456+/-0.191 χ^2/NDF: 7207450.8/99



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

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/28

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

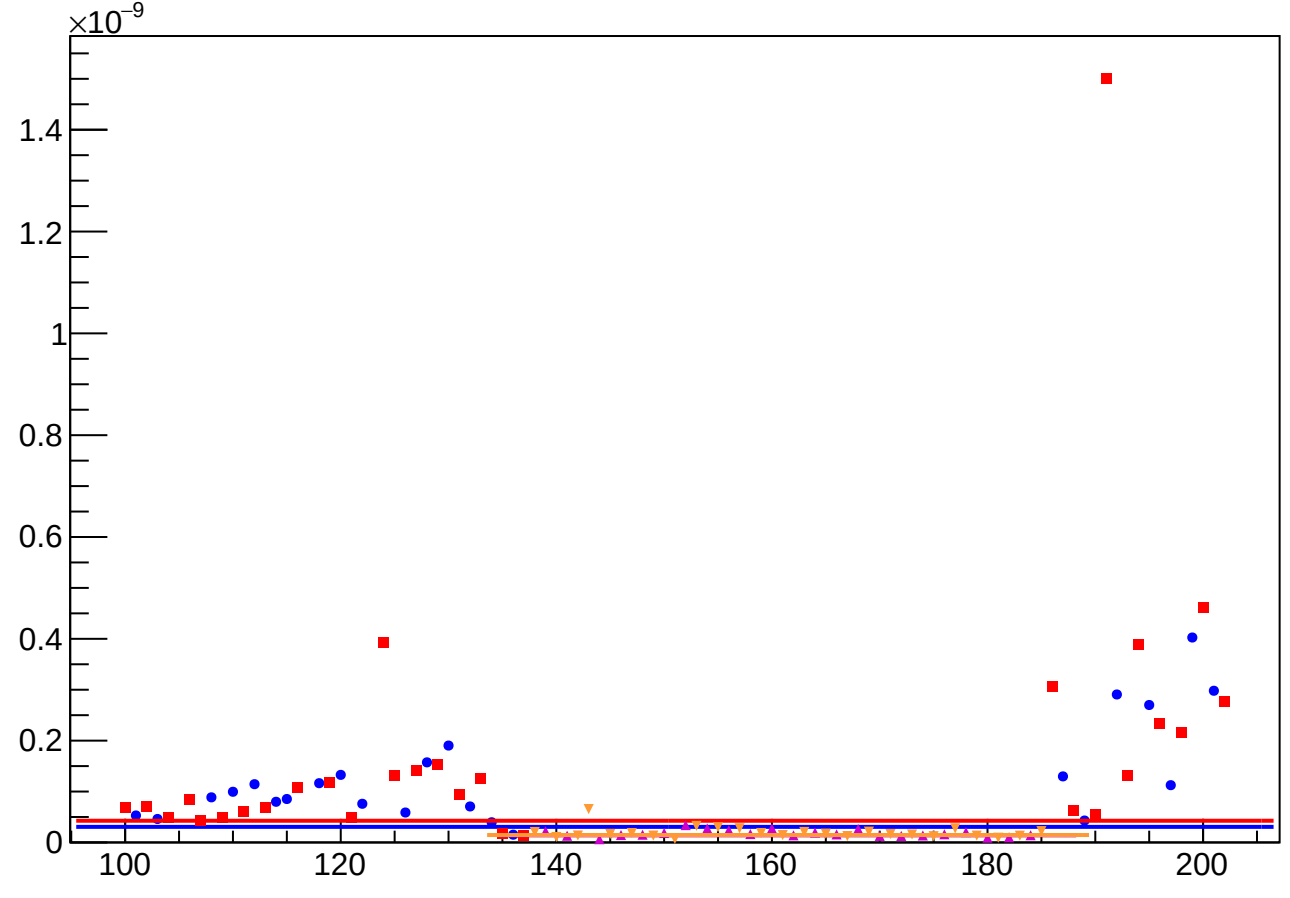
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 49.6/51

In: -0.000+/-0.000 χ^2/NDF:50.8/45

Out: -0.000+/-0.000 χ^2/NDF:53.5/53

All: -0.000+/-0.000 χ^2/NDF: 104.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 5590520.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5737757.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

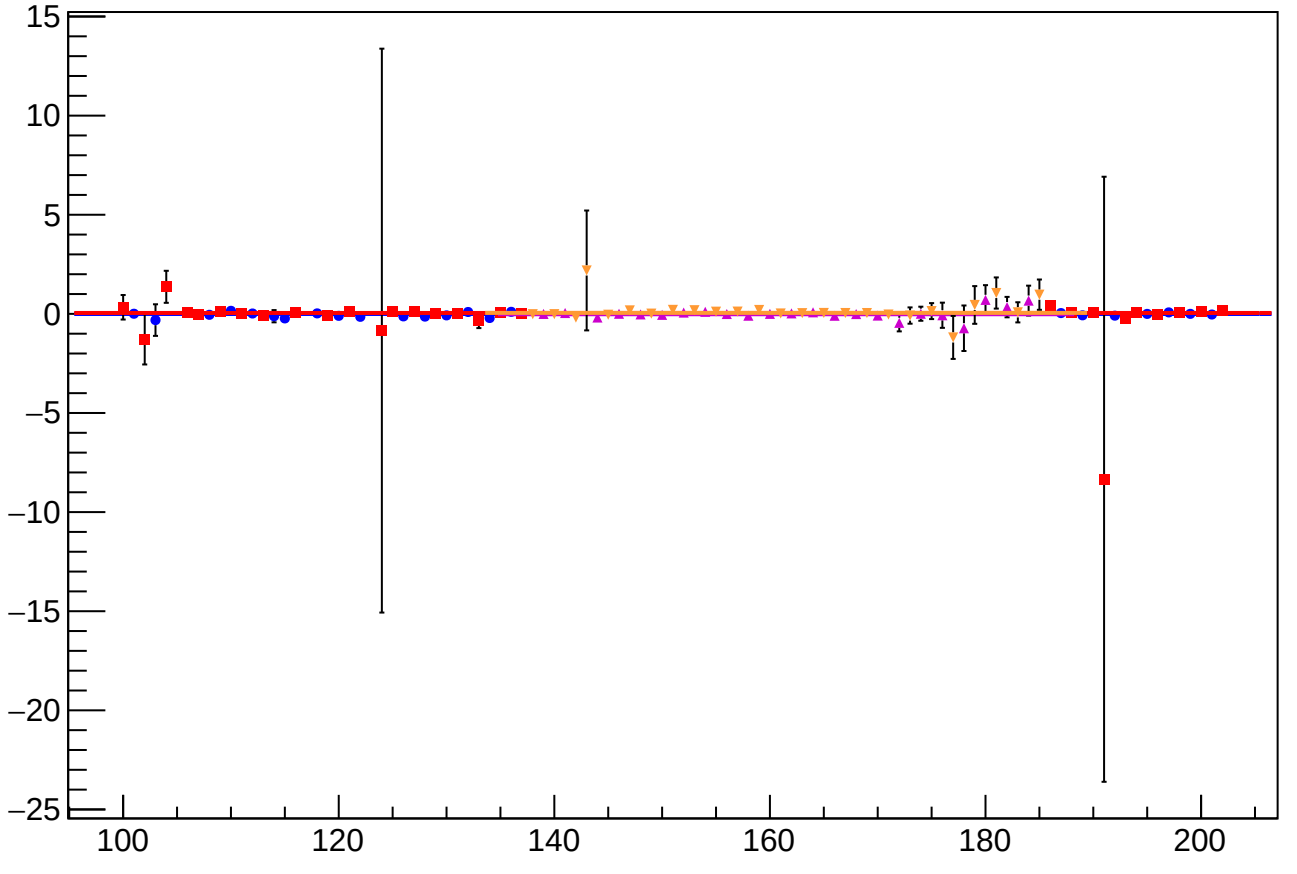
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 11570457.6/51

In: 0.000+/-0.000 χ^2/NDF:8630225.7/45

Out: 0.000+/-0.000 χ^2/NDF:9703522.0/53

All: 0.000+/-0.000 χ^2/NDF: 18353139.7/99



Right In: -0.005+/-0.023 χ^2/NDF: 14.8/22

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.021 χ^2/NDF: 23.8/28

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

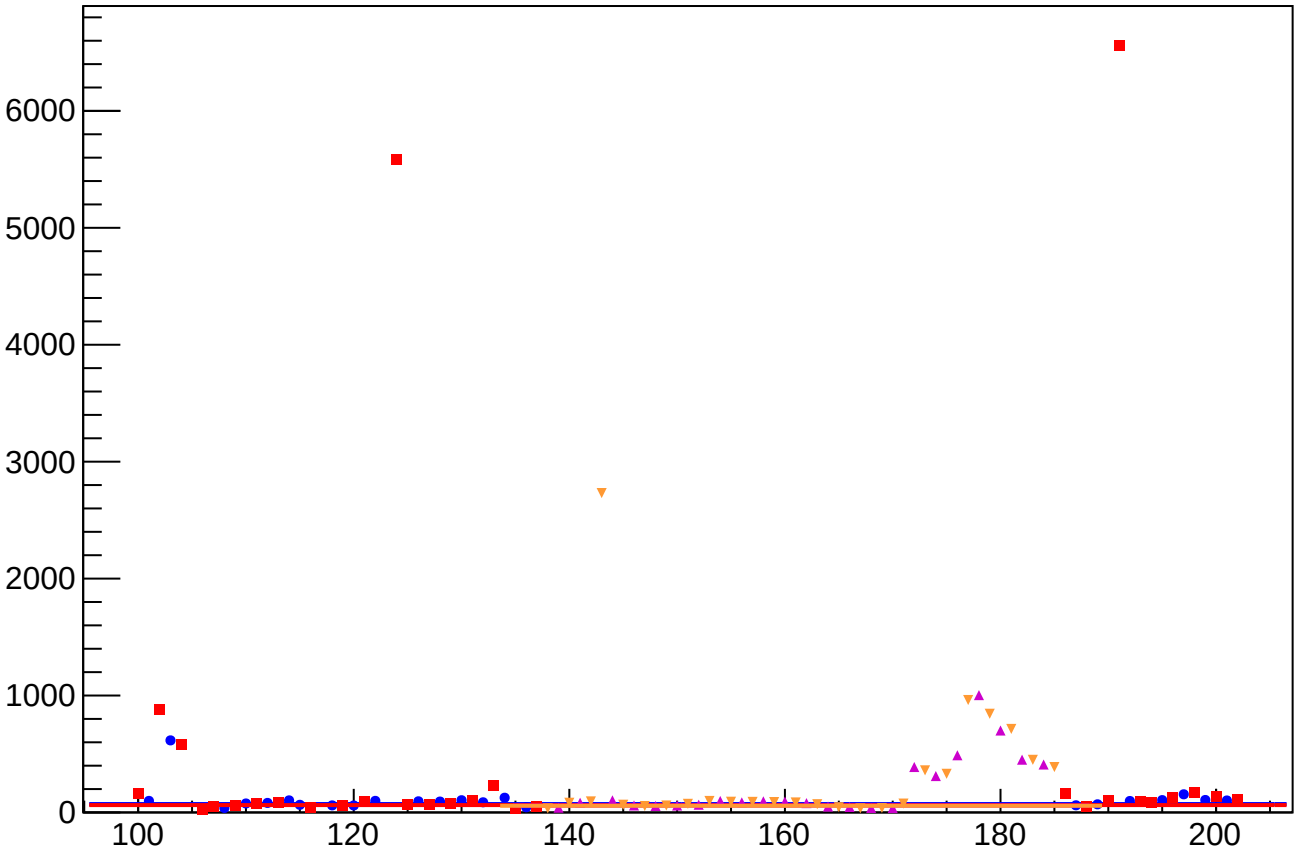
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.023+/-0.015 χ^2/NDF: 41.3/51

In: -0.014+/-0.014 χ^2/NDF:30.5/45

Out: 0.048+/-0.013 χ^2/NDF:48.3/53

All: 0.019+/-0.010 χ^2/NDF: 89.5/99



Right In: 71.897+/-0.017 χ^2/NDF: 3677760.6/22

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.065+/-0.015 χ^2/NDF: 7100165.0/28

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

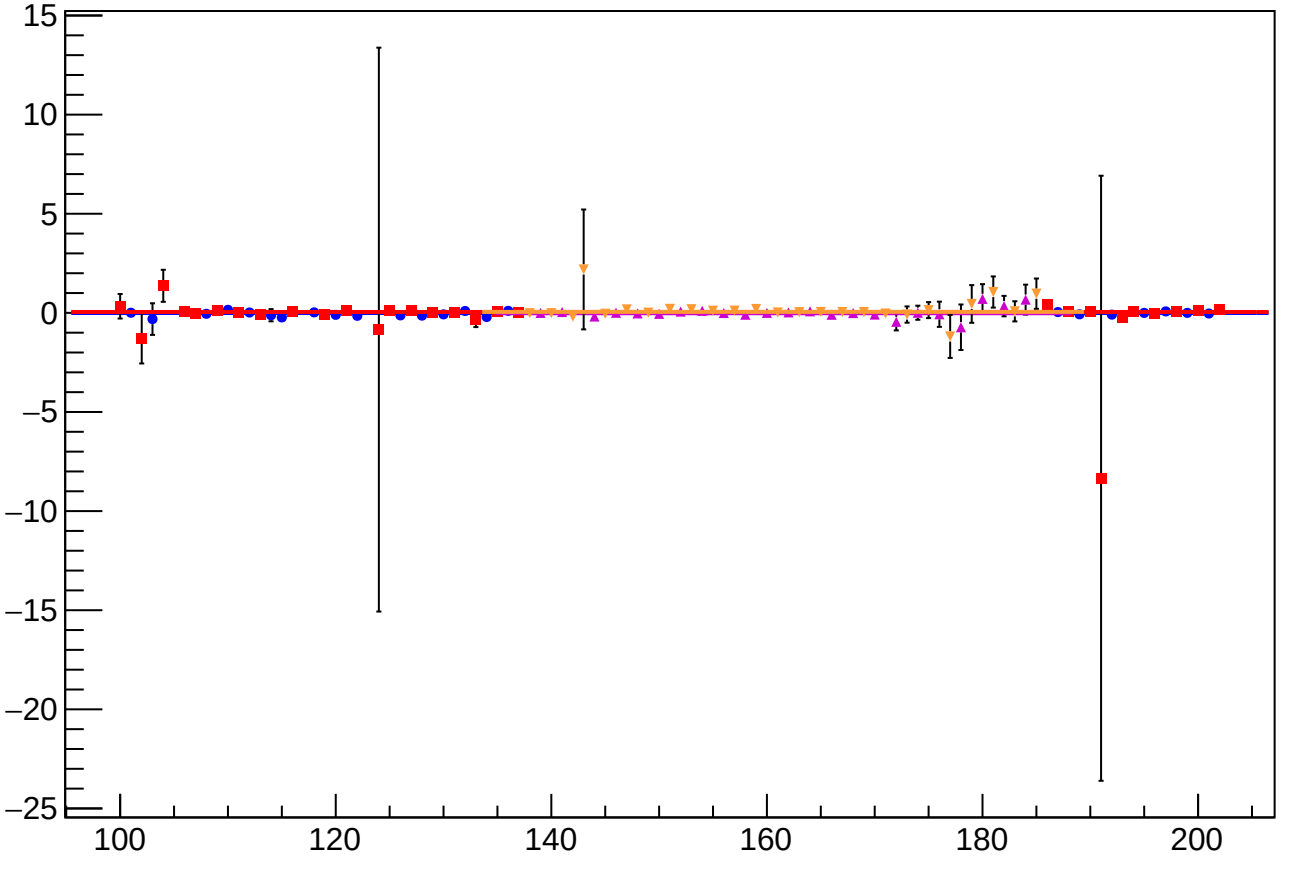
Right: 66.914+/-0.011 χ^2/NDF: 10939547.5/51

In: 63.243+/-0.010 χ^2/NDF:14348689.5/45

Out: 59.628+/-0.009 χ^2/NDF:19517047.5/53

All: 61.340+/-0.007 χ^2/NDF: 33937859.0/99

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.023 χ^2/NDF: 14.8/22

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.021 χ^2/NDF: 23.8/28

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

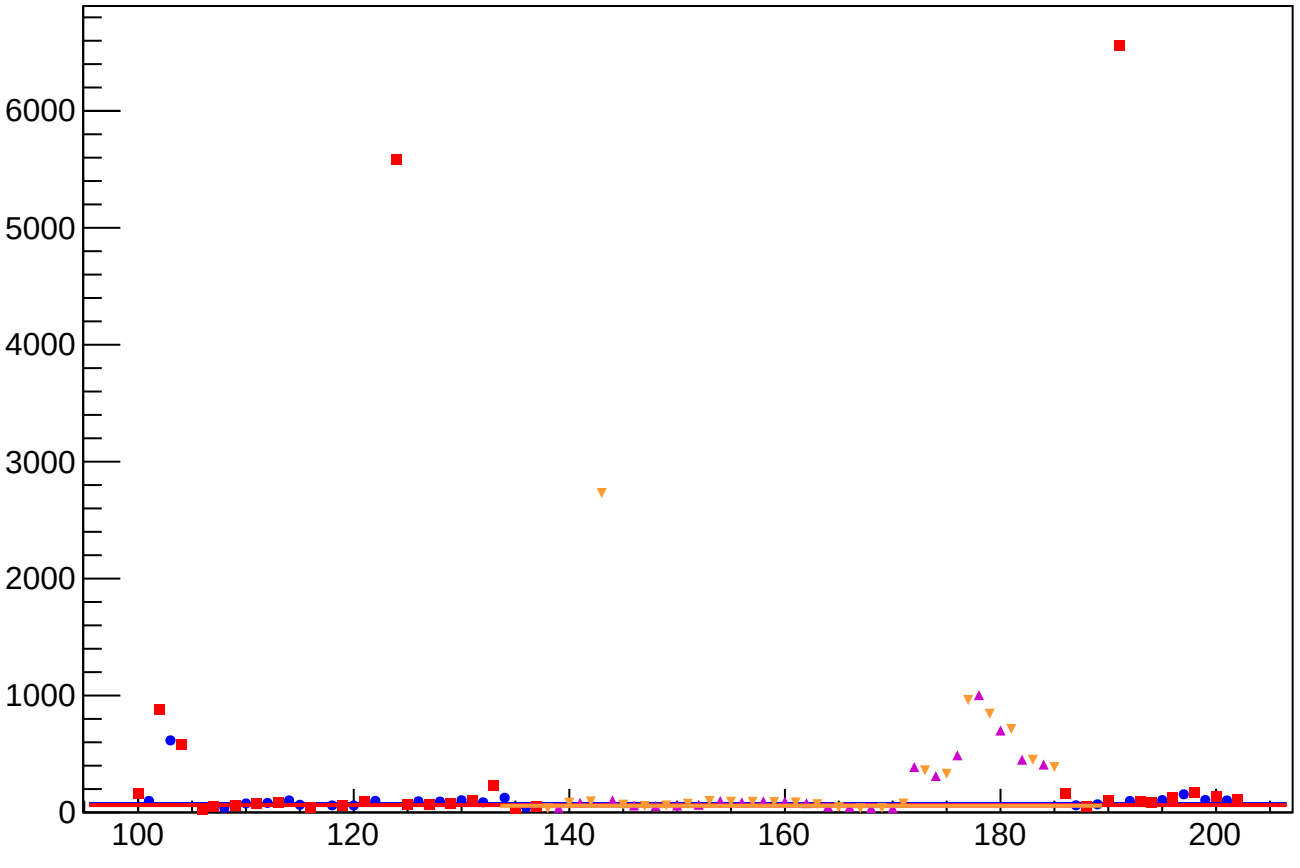
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.023+/-0.015 χ^2/NDF: 41.3/51

In: -0.014+/-0.014 χ^2/NDF:30.5/45

Out: 0.048+/-0.013 χ^2/NDF:48.3/53

All: 0.019+/-0.010 χ^2/NDF: 89.5/99



Right In: 71.897+/-0.017 χ^2/NDF: 3677760.6/22

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.065+/-0.015 χ^2/NDF: 7100165.0/28

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

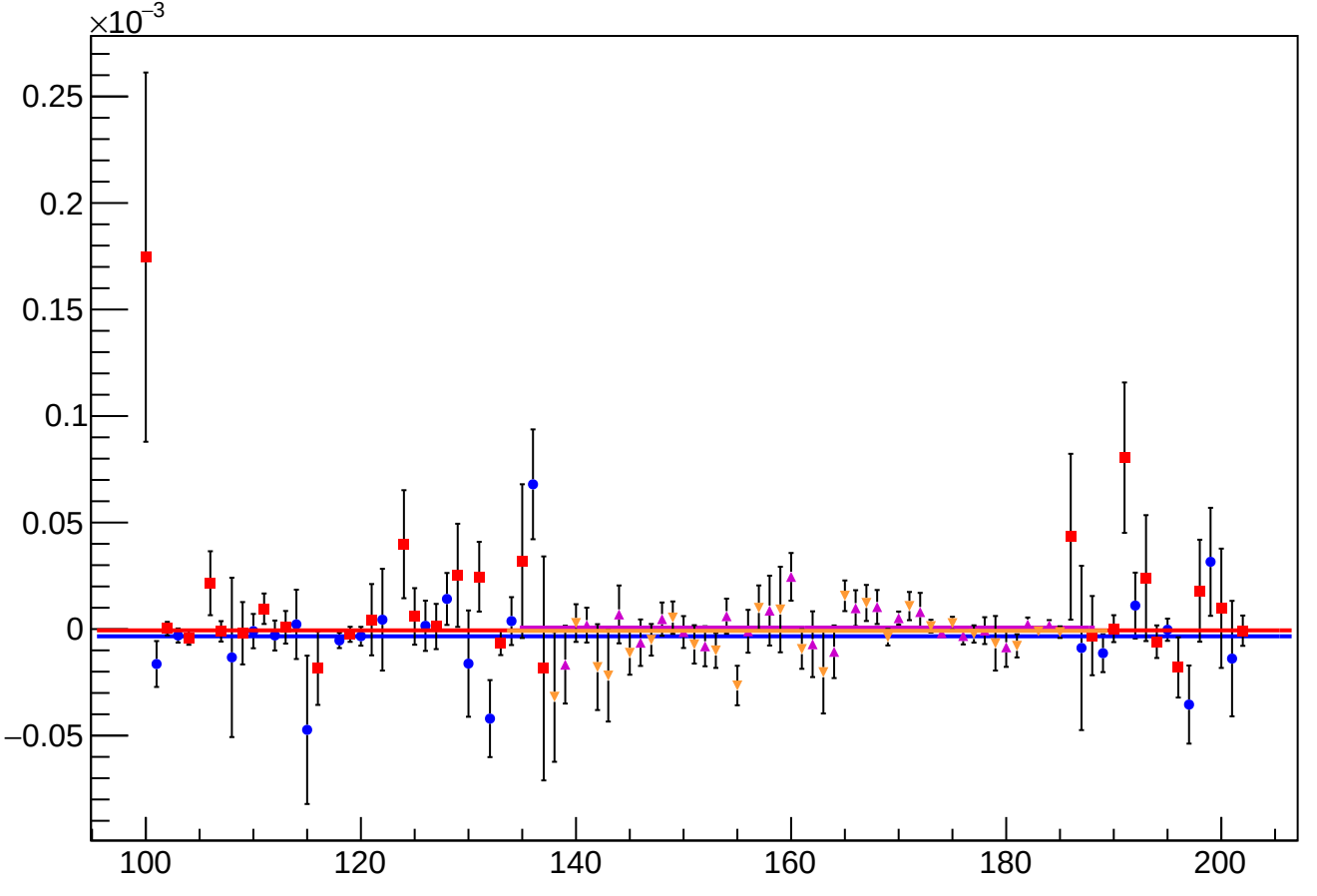
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 66.914+/-0.011 χ^2/NDF: 10939547.5/51

In: 63.243+/-0.010 χ^2/NDF:14348689.5/45

Out: 59.628+/-0.009 χ^2/NDF:19517047.5/53

All: 61.340+/-0.007 χ^2/NDF: 33937859.0/99



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

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/28

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

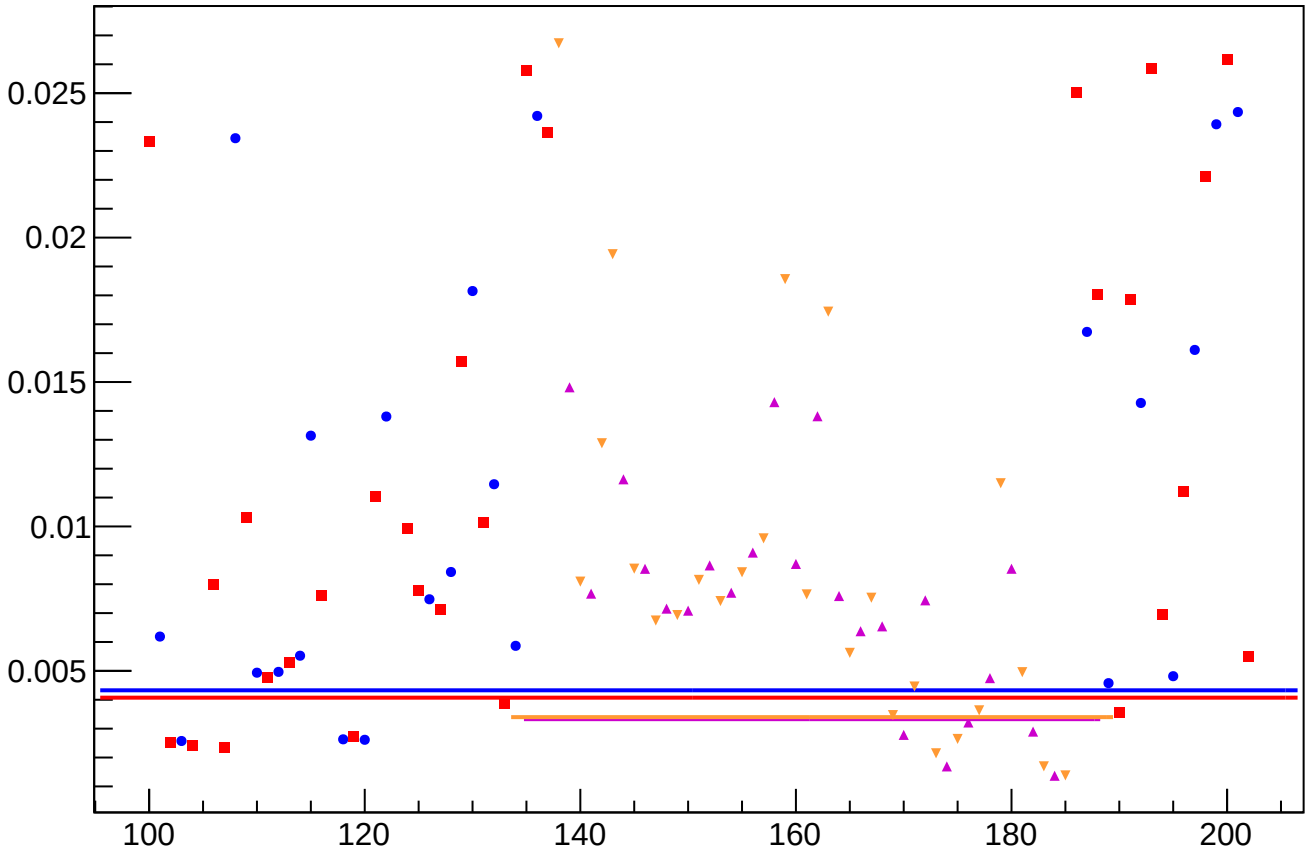
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 56.8/51

In: -0.000+/-0.000 χ^2/NDF:49.2/45

Out: -0.000+/-0.000 χ^2/NDF:62.0/53

All: -0.000+/-0.000 χ^2/NDF: 111.2/99



Right In: 0.004+/-0.000 χ^2/NDF: 9065550.7/22

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 11155921.0/28

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

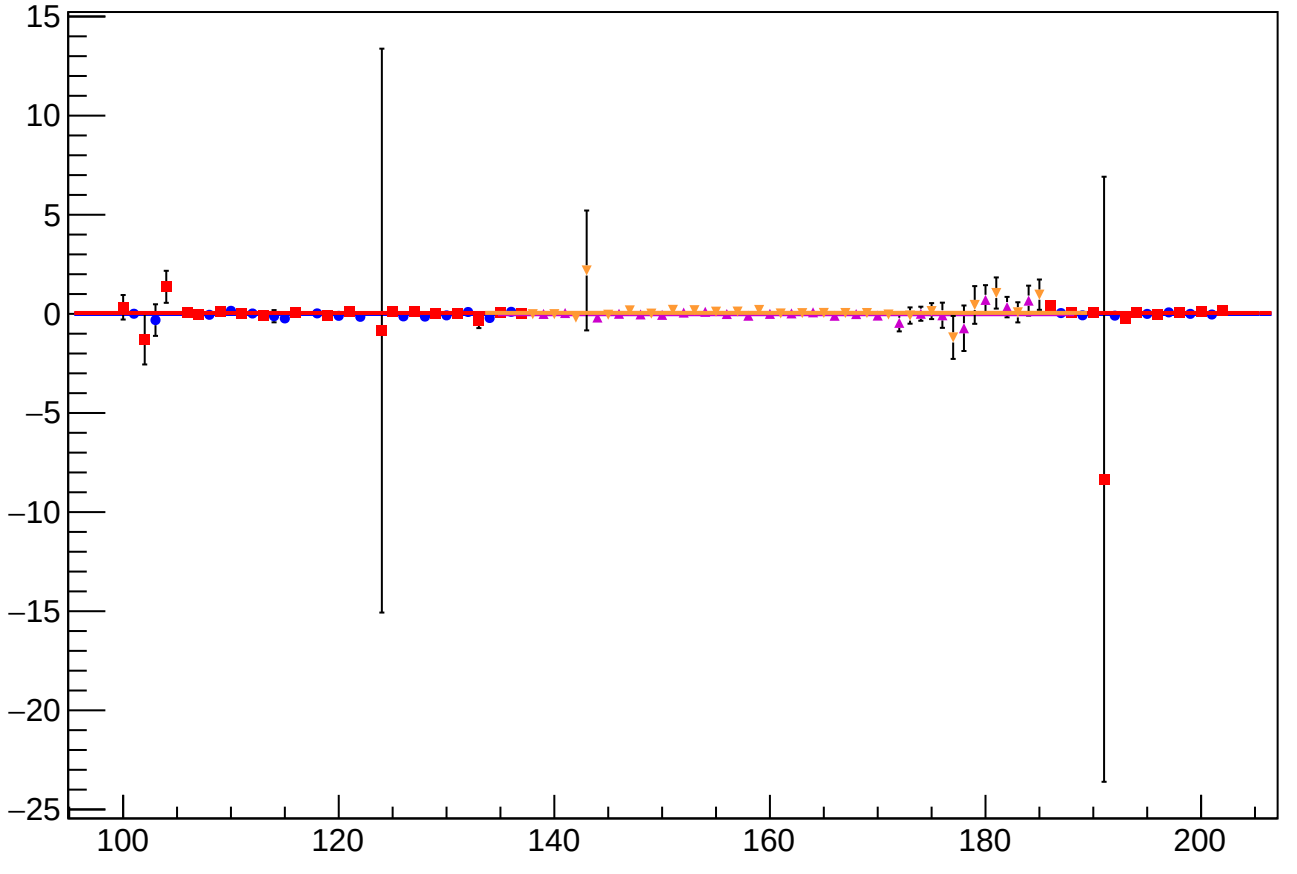
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 20248538.7/51

In: 0.004+/-0.000 χ^2/NDF:22148375.5/45

Out: 0.004+/-0.000 χ^2/NDF:25701207.8/53

All: 0.004+/-0.000 χ^2/NDF: 47850037.5/99



Right In: -0.005+/-0.023 χ^2/NDF: 14.8/22

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.021 χ^2/NDF: 23.8/28

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

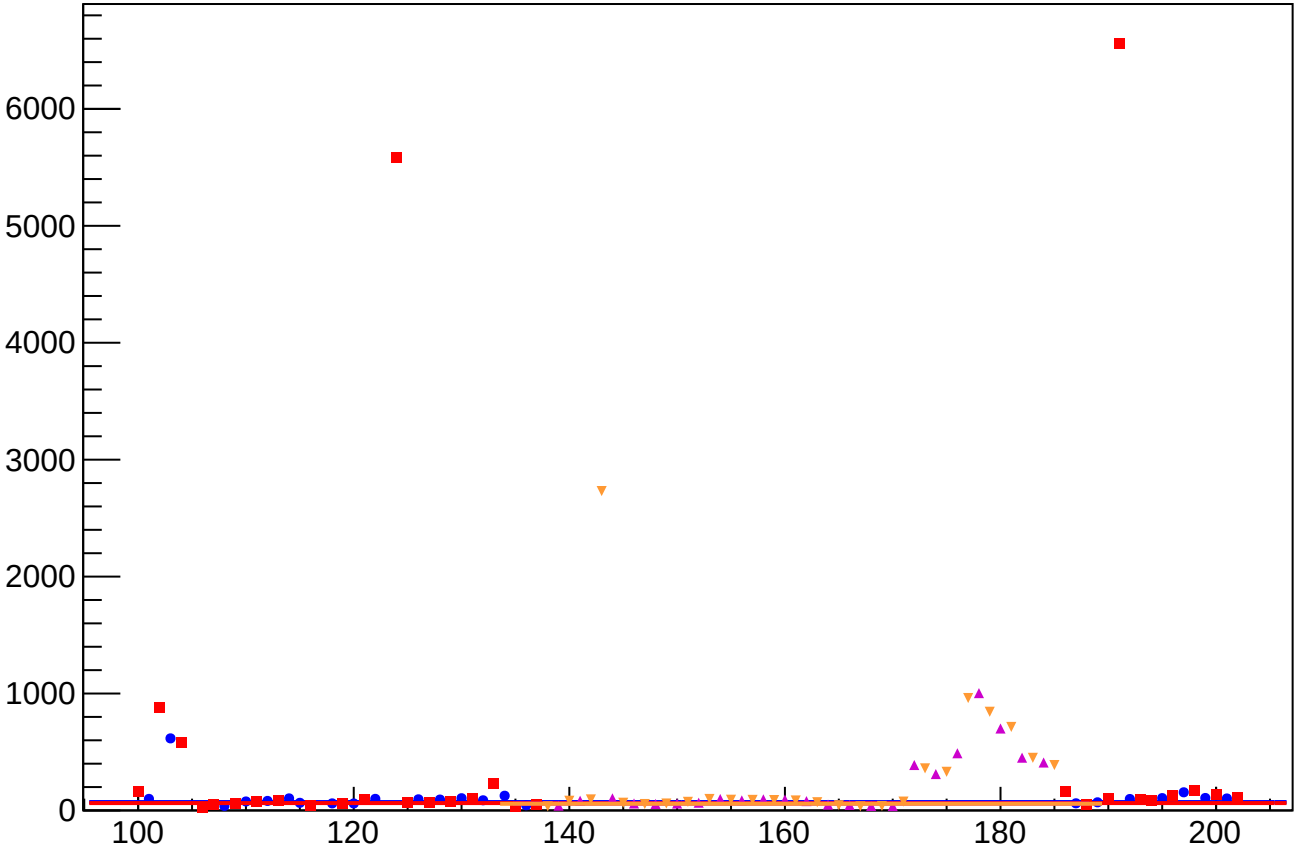
Right: 0.023+/-0.015 χ^2/NDF: 41.3/51

In: -0.014+/-0.014 χ^2/NDF:30.5/45

Out: 0.048+/-0.013 χ^2/NDF:48.3/53

All: 0.019+/-0.010 χ^2/NDF: 89.5/99

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.904+/-0.017 χ^2/NDF: 3676415.9/22

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.060+/-0.015 χ^2/NDF: 7101221.9/28

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

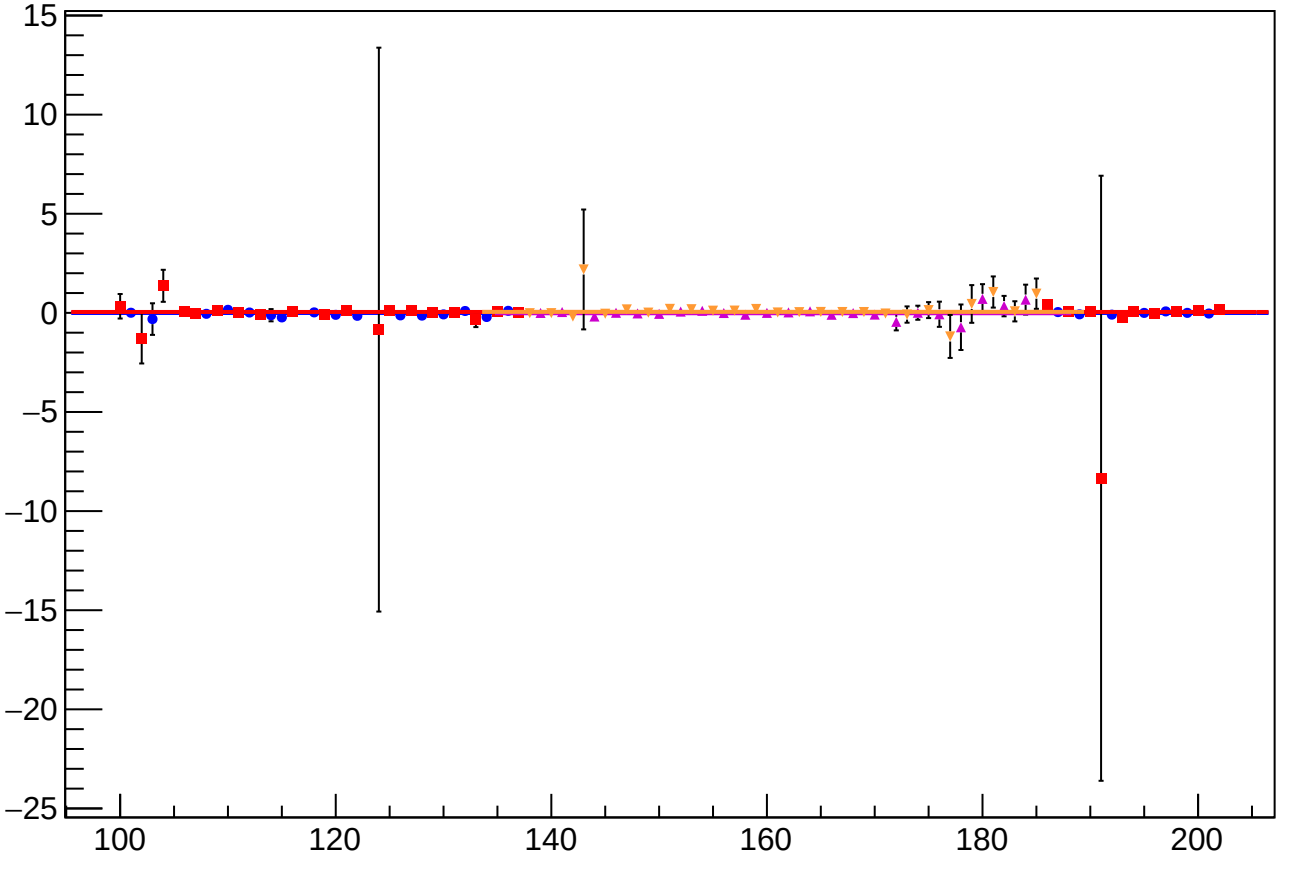
Right: 66.914+/-0.011 χ^2/NDF: 10939711.7/51

In: 63.246+/-0.010 χ^2/NDF:14347120.3/45

Out: 59.625+/-0.009 χ^2/NDF:19517726.9/53

All: 61.341+/-0.007 χ^2/NDF: 33937229.7/99

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.023 χ^2/NDF: 14.8/22

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.021 χ^2/NDF: 23.8/28

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

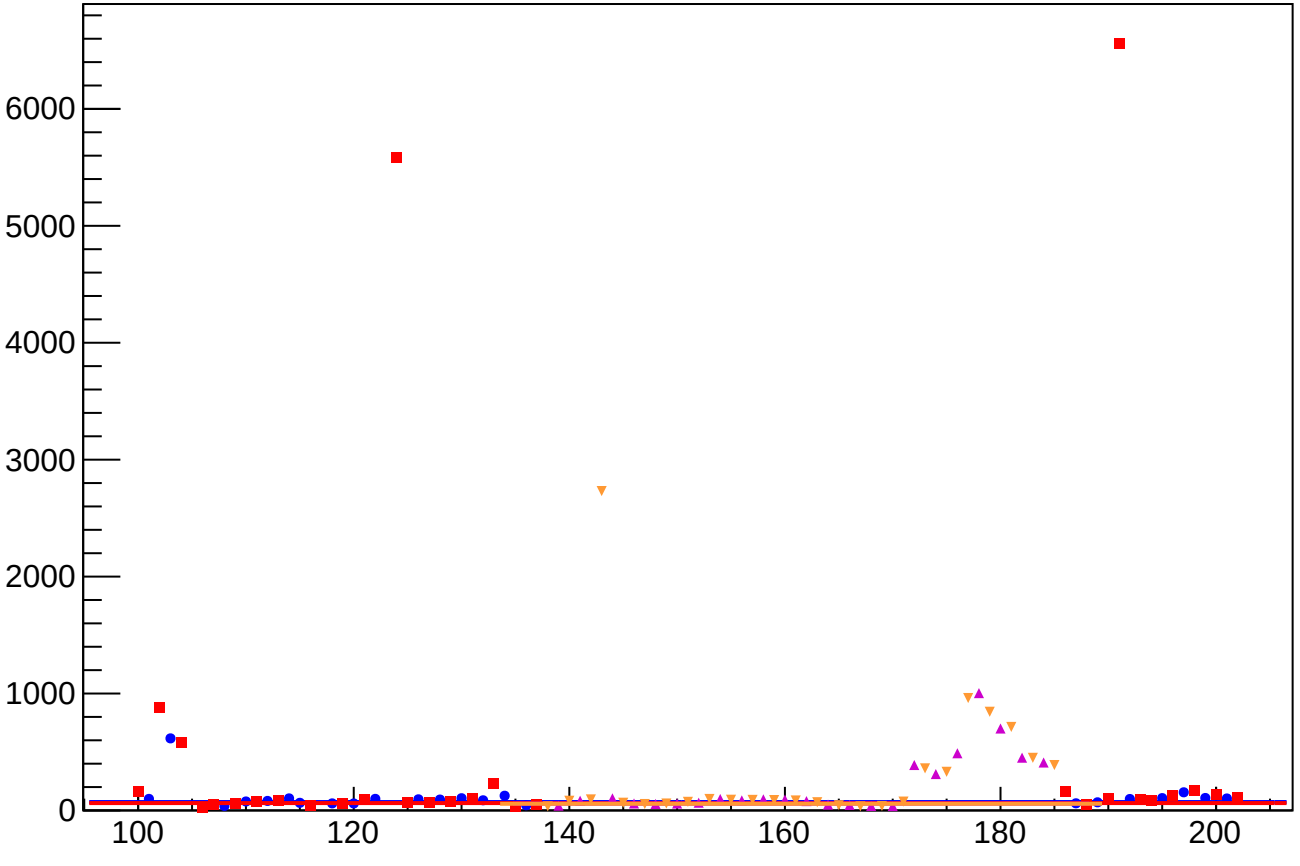
Right: 0.023+/-0.015 χ^2/NDF: 41.3/51

In: -0.014+/-0.014 χ^2/NDF:30.5/45

Out: 0.048+/-0.013 χ^2/NDF:48.3/53

All: 0.019+/-0.010 χ^2/NDF: 89.5/99

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.904+/-0.017 χ^2/NDF: 3676415.9/22

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.060+/-0.015 χ^2/NDF: 7101221.9/28

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

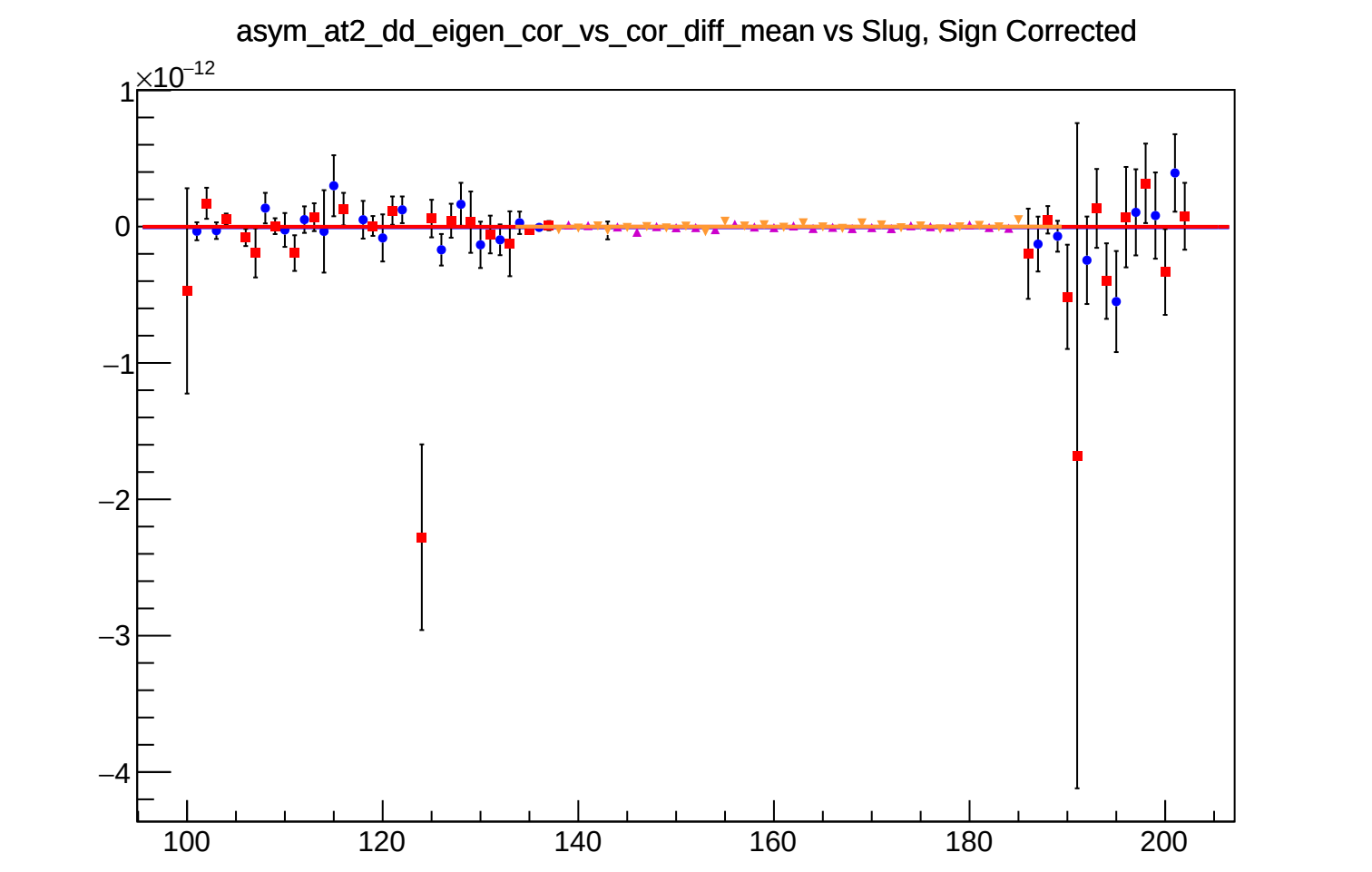
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 66.914+/-0.011 χ^2/NDF: 10939711.7/51

In: 63.246+/-0.010 χ^2/NDF:14347120.3/45

Out: 59.625+/-0.009 χ^2/NDF:19517726.9/53

All: 61.341+/-0.007 χ^2/NDF: 33937229.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/28

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

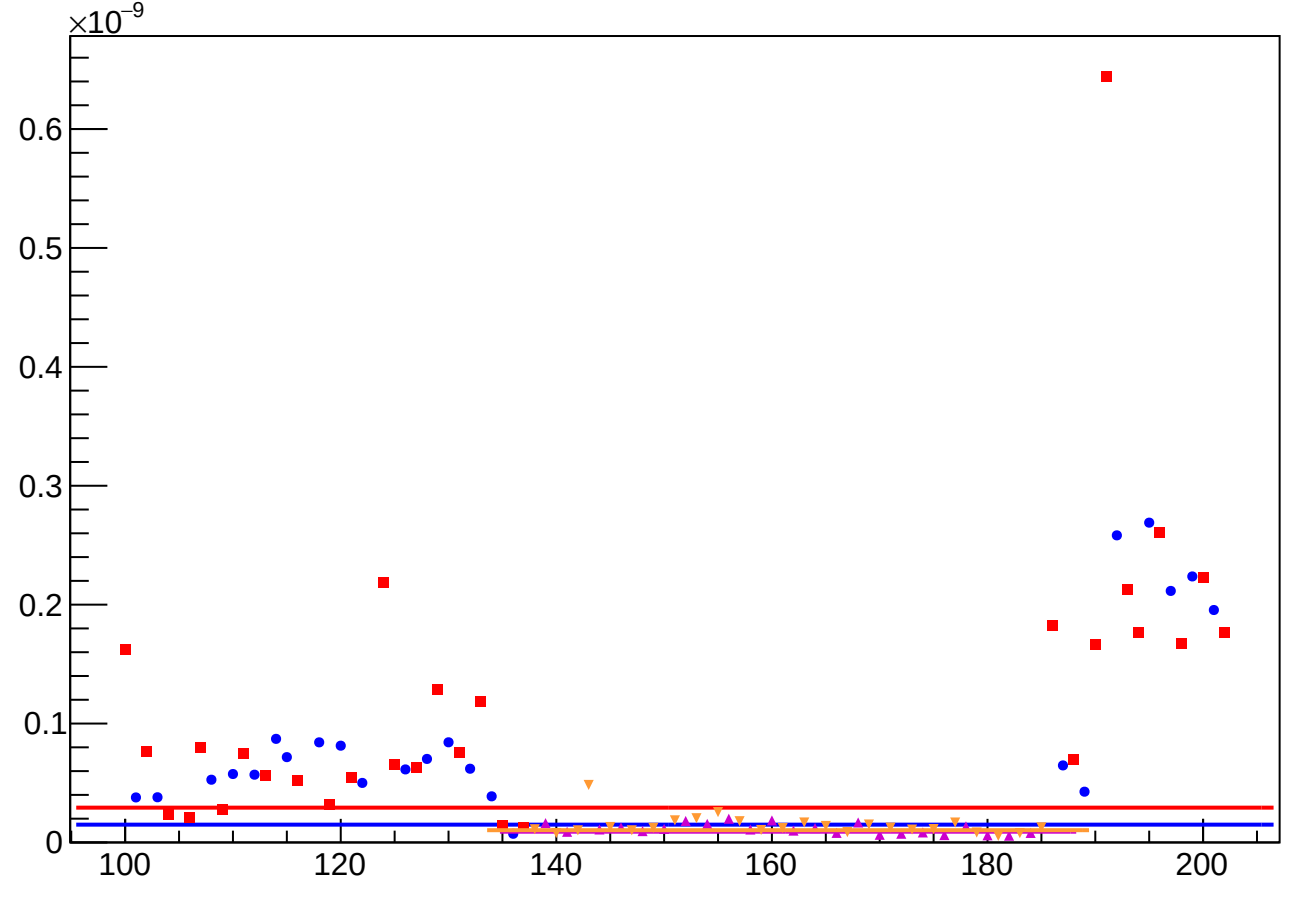
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 49.2/51

In: -0.000+/-0.000 χ^2/NDF:31.9/45

Out: -0.000+/-0.000 χ^2/NDF:51.5/53

All: -0.000+/-0.000 χ^2/NDF: 83.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 9821791.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8958962.8/28

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

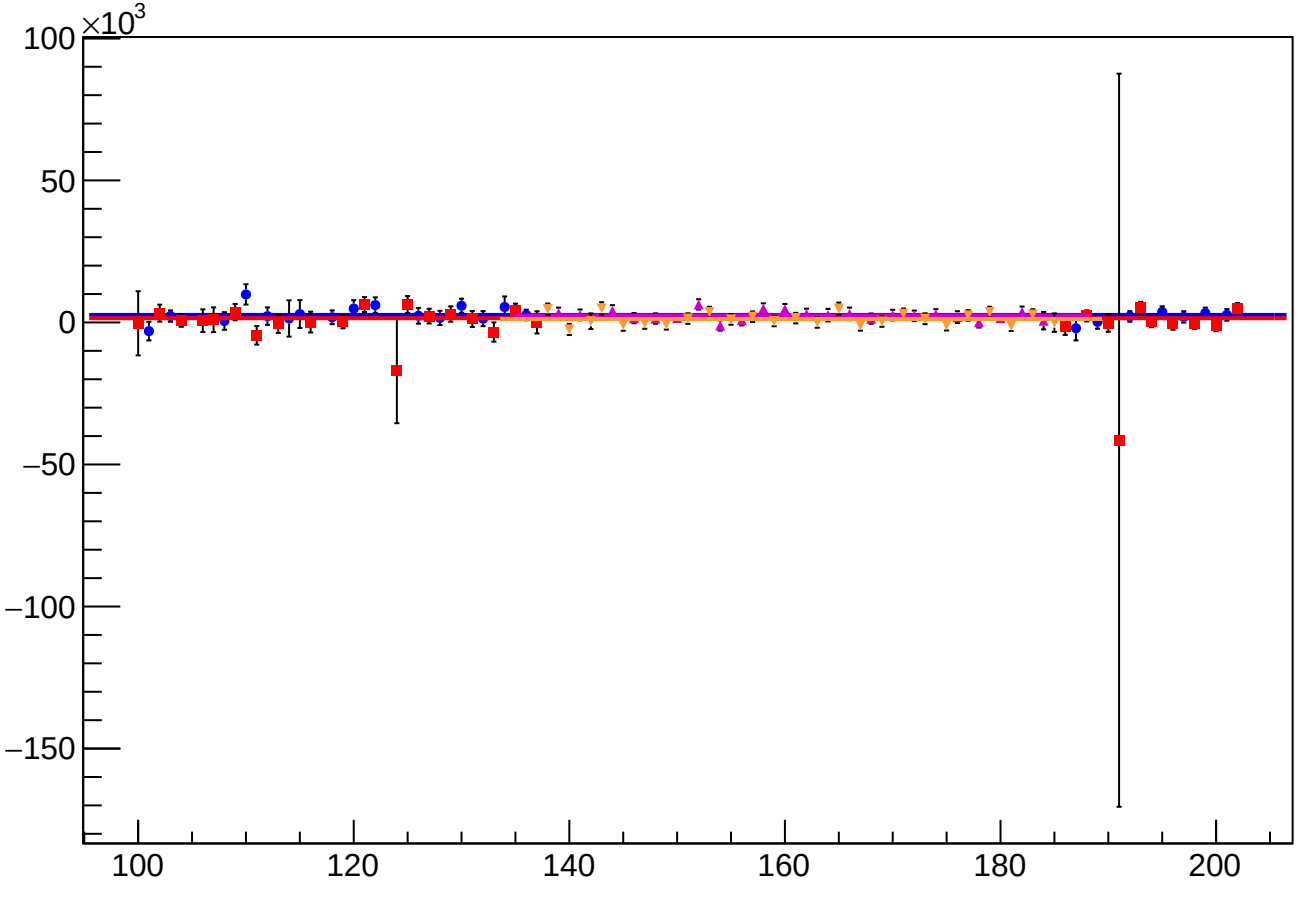
Right: 0.000+/-0.000 χ^2/NDF: 20053795.5/51

In: 0.000+/-0.000 χ^2/NDF:13499420.2/45

Out: 0.000+/-0.000 χ^2/NDF:15777266.3/53

All: 0.000+/-0.000 χ^2/NDF: 29597532.6/99

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2648.063+/-528.448 χ^2/NDF: 15.4/22

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1488.892+/-500.220 χ^2/NDF: 27.6/28

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

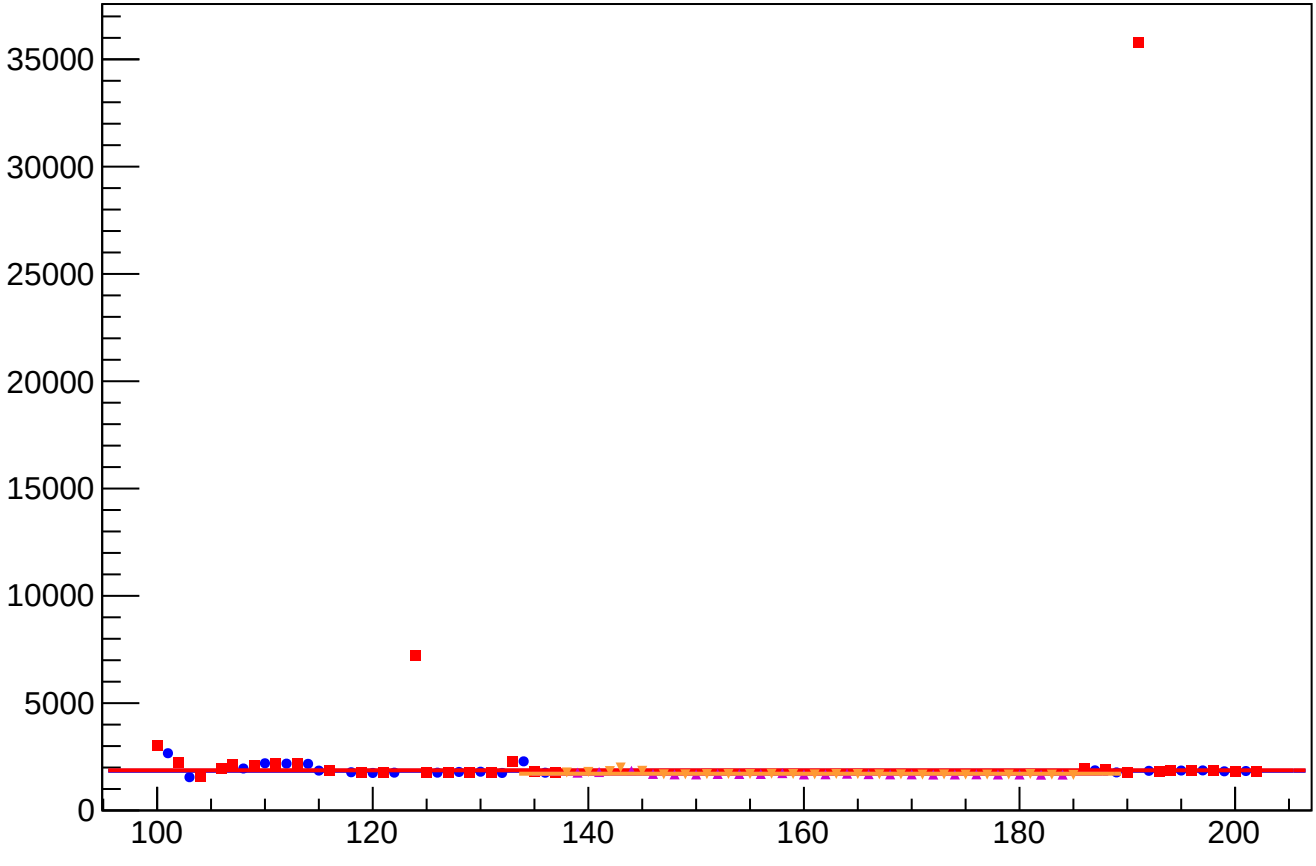
Right: 2036.693+/-363.278 χ^2/NDF: 45.5/51

In: 2514.664+/-317.903 χ^2/NDF:33.0/45

Out: 1310.413+/-307.143 χ^2/NDF:54.1/53

All: 1891.814+/-220.889 χ^2/NDF: 94.5/99

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1847.904+/-0.374 χ^2/NDF: 266041.0/22

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1871.740+/-0.353 χ^2/NDF: 519770.9/28

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

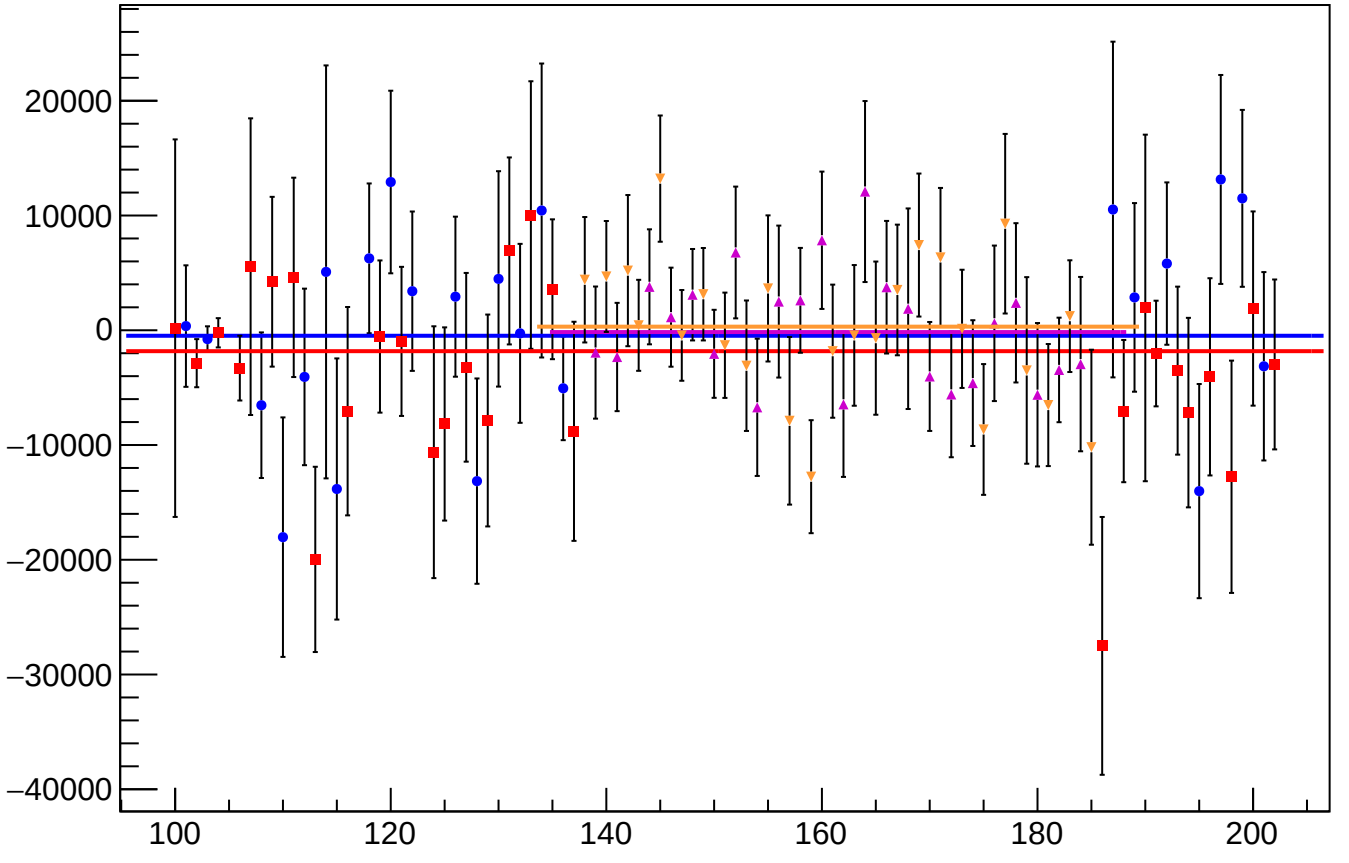
Right: 1860.489+/-0.257 χ^2/NDF: 787960.5/51

In: 1756.059+/-0.225 χ^2/NDF:383287.4/45

Out: 1772.173+/-0.217 χ^2/NDF:707441.8/53

All: 1764.397+/-0.156 χ^2/NDF: 1093388.3/99

asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -479.362+/-923.250 χ^2/NDF: 22.4/22

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1822.173+/-855.492 χ^2/NDF: 22.2/28

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

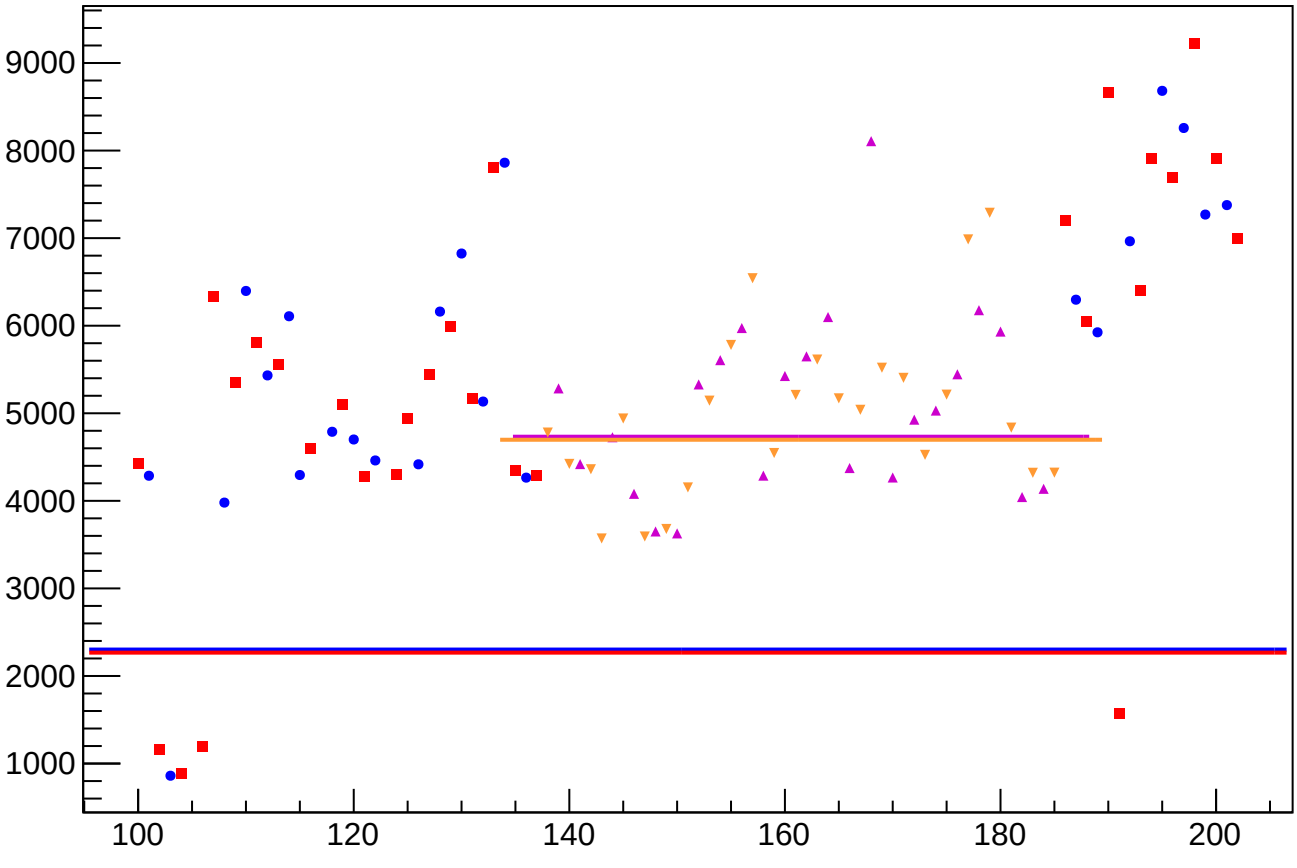
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1201.845+/-627.512 χ^2/NDF: 45.7/51

In: -350.490+/-714.563 χ^2/NDF:37.1/45

Out: -1009.697+/-673.434 χ^2/NDF:51.6/53

All: -699.610+/-490.085 χ^2/NDF: 89.2/99



Right In: 2301.740+/-0.653 χ^2/NDF: 12051084.4/22

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2266.578+/-0.605 χ^2/NDF: 13587643.6/28

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

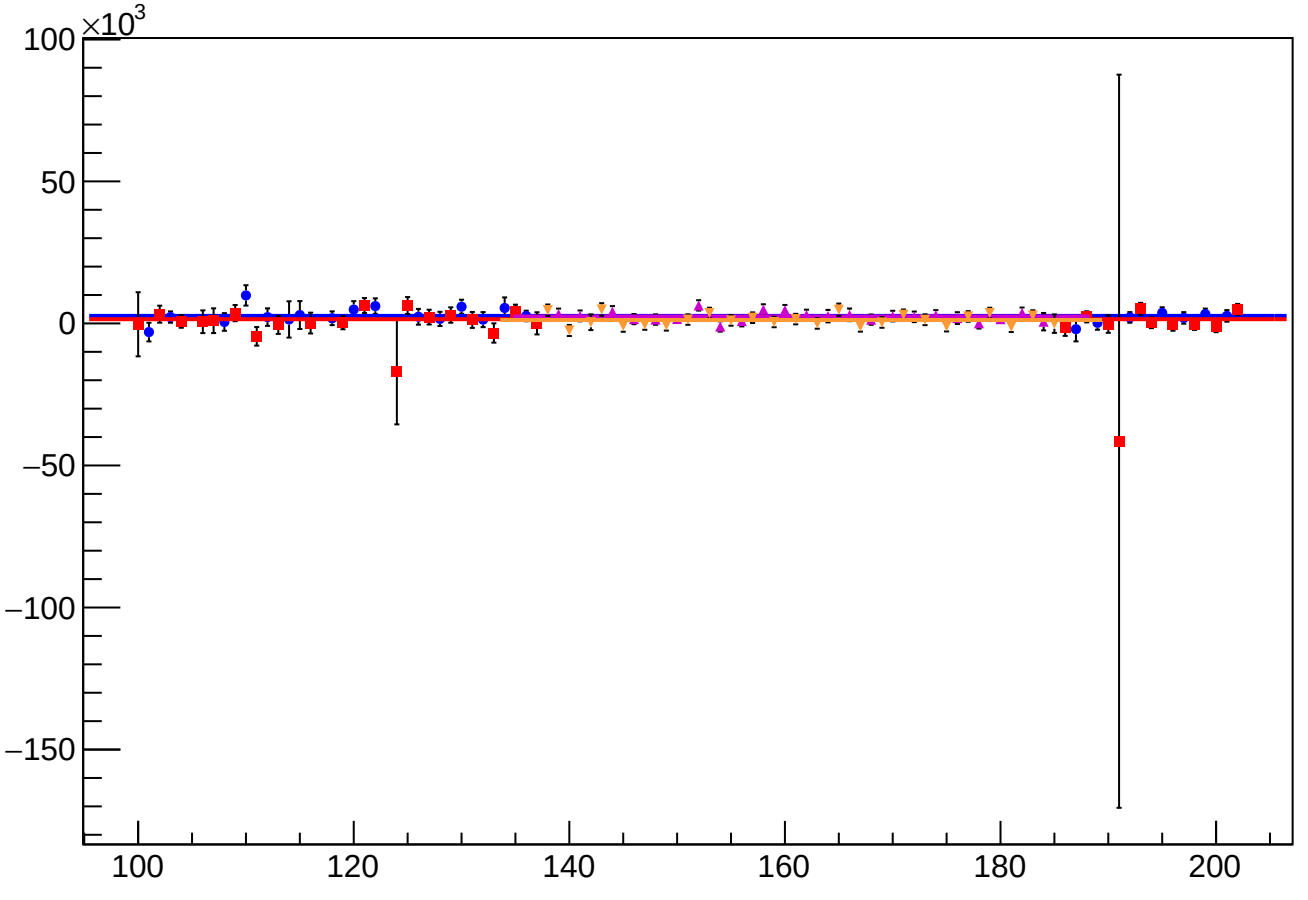
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2282.821+/-0.444 χ^2/NDF: 25640288.8/51

In: 3276.392+/-0.505 χ^2/NDF:18852536.4/45

Out: 3191.183+/-0.476 χ^2/NDF:20969560.9/53

All: 3231.265+/-0.347 χ^2/NDF: 39837158.9/9



Right In: 2648.240+/-528.448 χ^2/NDF: 15.4/22

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1488.234+/-500.220 χ^2/NDF: 27.6/28

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

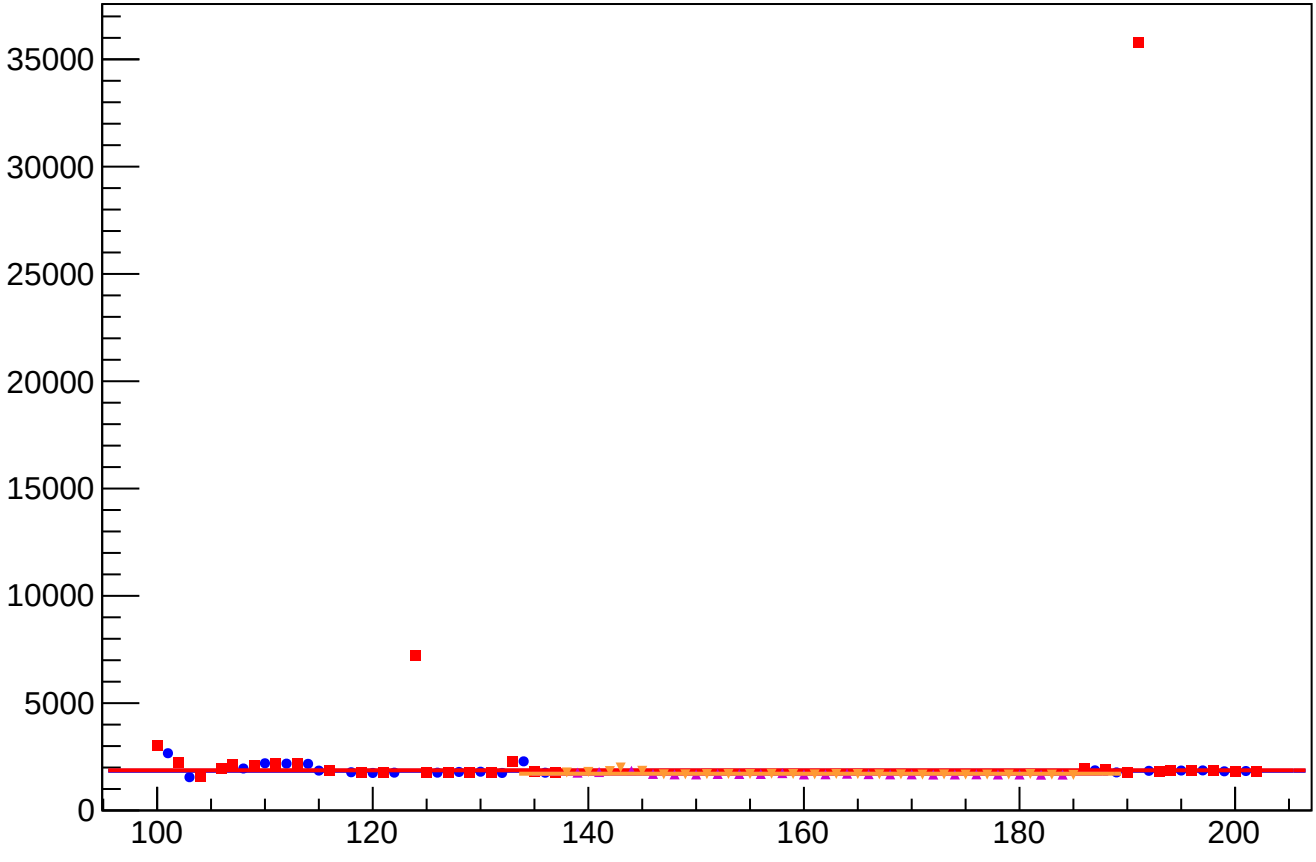
Right: 2036.429+/-363.278 χ^2/NDF: 45.6/51

In: 2514.685+/-317.903 χ^2/NDF:33.0/45

Out: 1310.104+/-307.143 χ^2/NDF:54.2/53

All: 1891.664+/-220.889 χ^2/NDF: 94.5/99

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1847.904+/-0.374 χ^2/NDF: 266040.9/22

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1871.966+/-0.353 χ^2/NDF: 520084.9/28

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

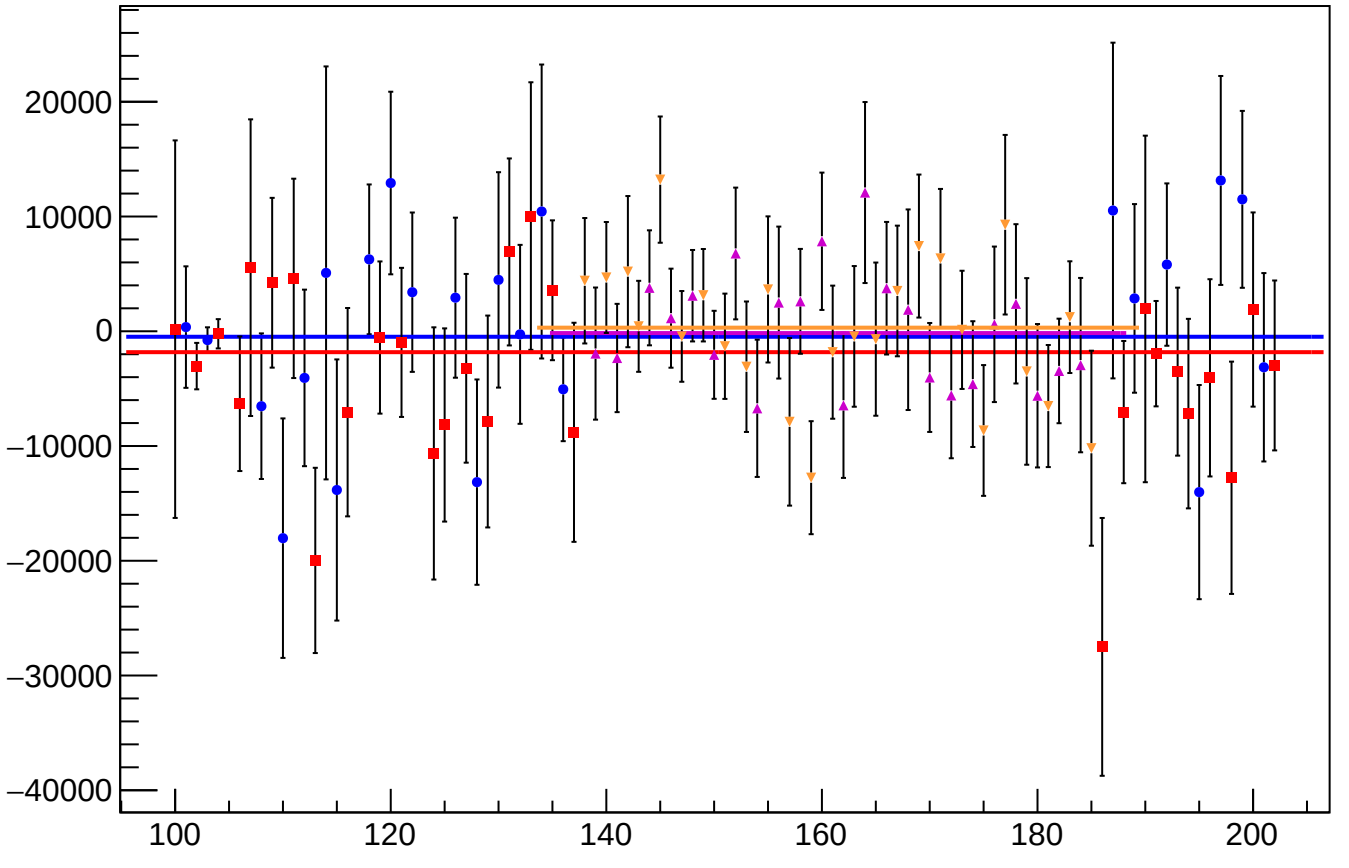
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1860.607+/-0.257 χ^2/NDF: 788315.0/51

In: 1756.059+/-0.225 χ^2/NDF:383287.3/45

Out: 1772.250+/-0.217 χ^2/NDF:708097.7/53

All: 1764.436+/-0.156 χ^2/NDF: 1094069.3/99



Right In: -478.938+/-923.203 χ^2/NDF: 22.4/22

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1821.906+/-881.499 χ^2/NDF: 22.6/28

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

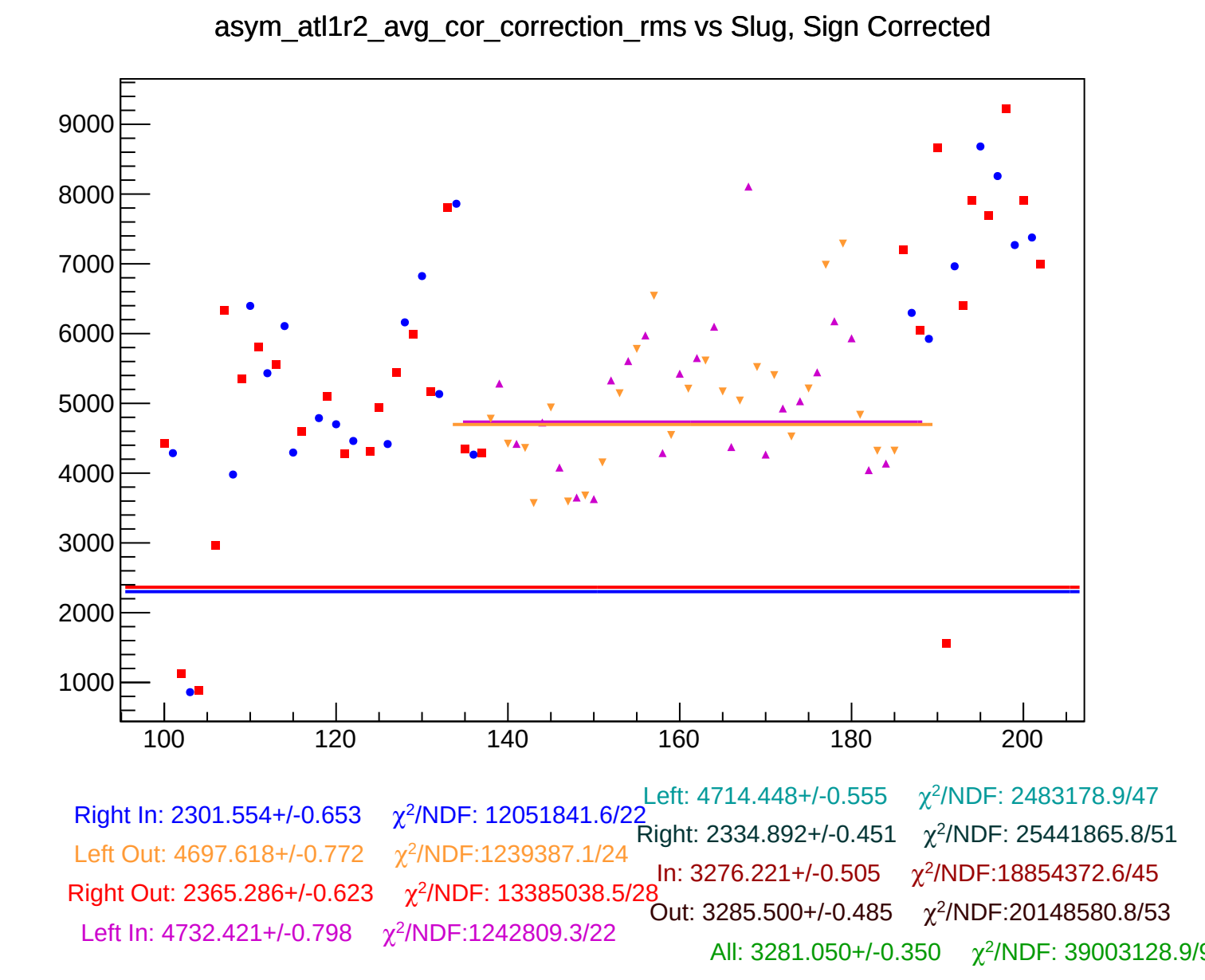
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

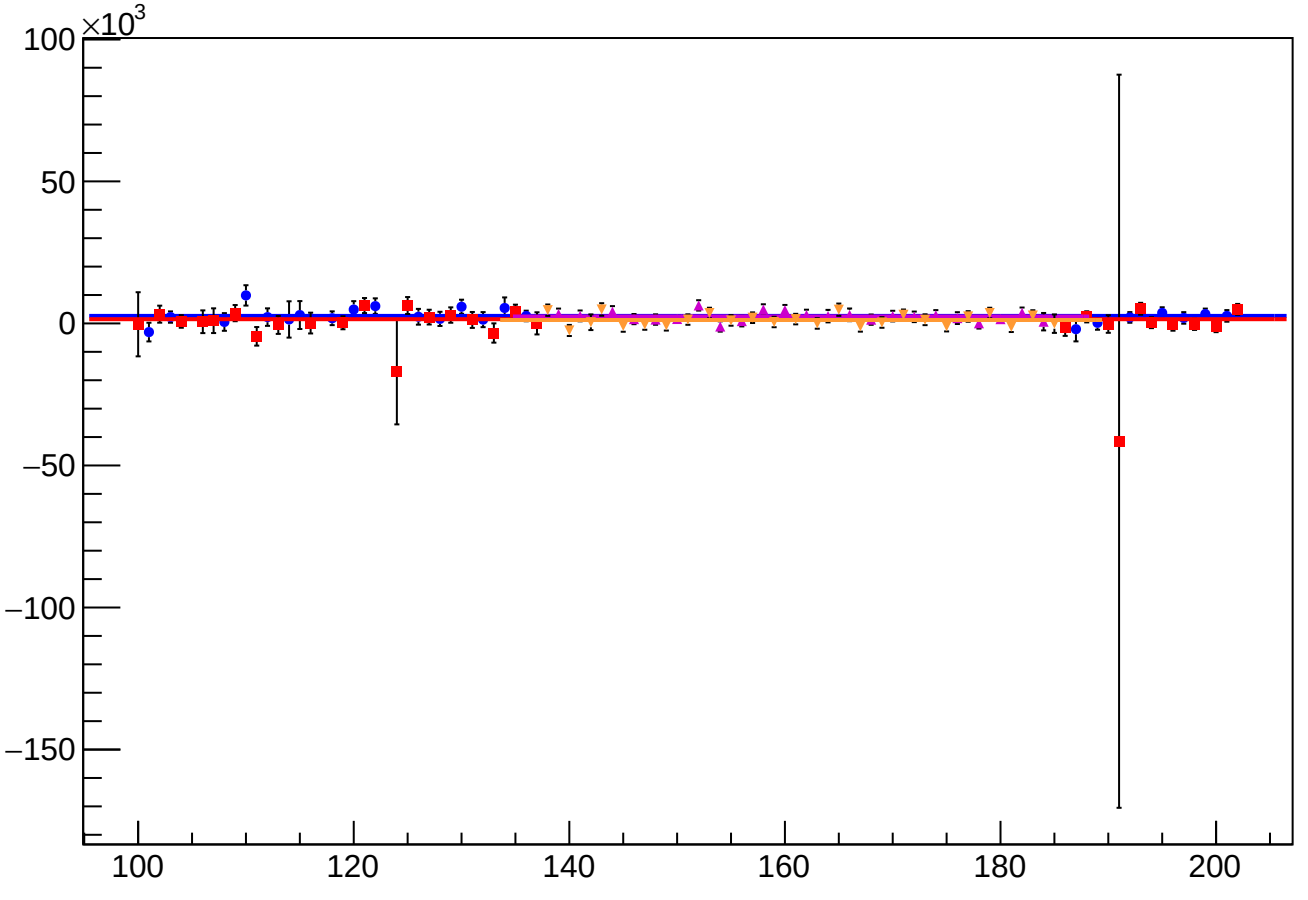
Right: -1181.439+/-637.547 χ^2/NDF: 46.1/51

In: -350.247+/-714.541 χ^2/NDF:37.1/45

Out: -979.158+/-685.902 χ^2/NDF:52.0/53

All: -677.558+/-494.821 χ^2/NDF: 89.5/99


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
Right In: 2301.554+/-0.653 χ²/NDF: 12051841.6/22
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2365.286+/-0.623 χ²/NDF: 13385038.5/28
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2334.892+/-0.451 χ²/NDF: 25441865.8/51
In: 3276.221+/-0.505 χ²/NDF:18854372.6/45
Out: 3285.500+/-0.485 χ²/NDF:20148580.8/53
All: 3281.050+/-0.350 χ²/NDF: 39003128.9/9



Right In: 2648.240+/-528.448 χ^2/NDF: 15.4/22

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1488.234+/-500.220 χ^2/NDF: 27.6/28

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

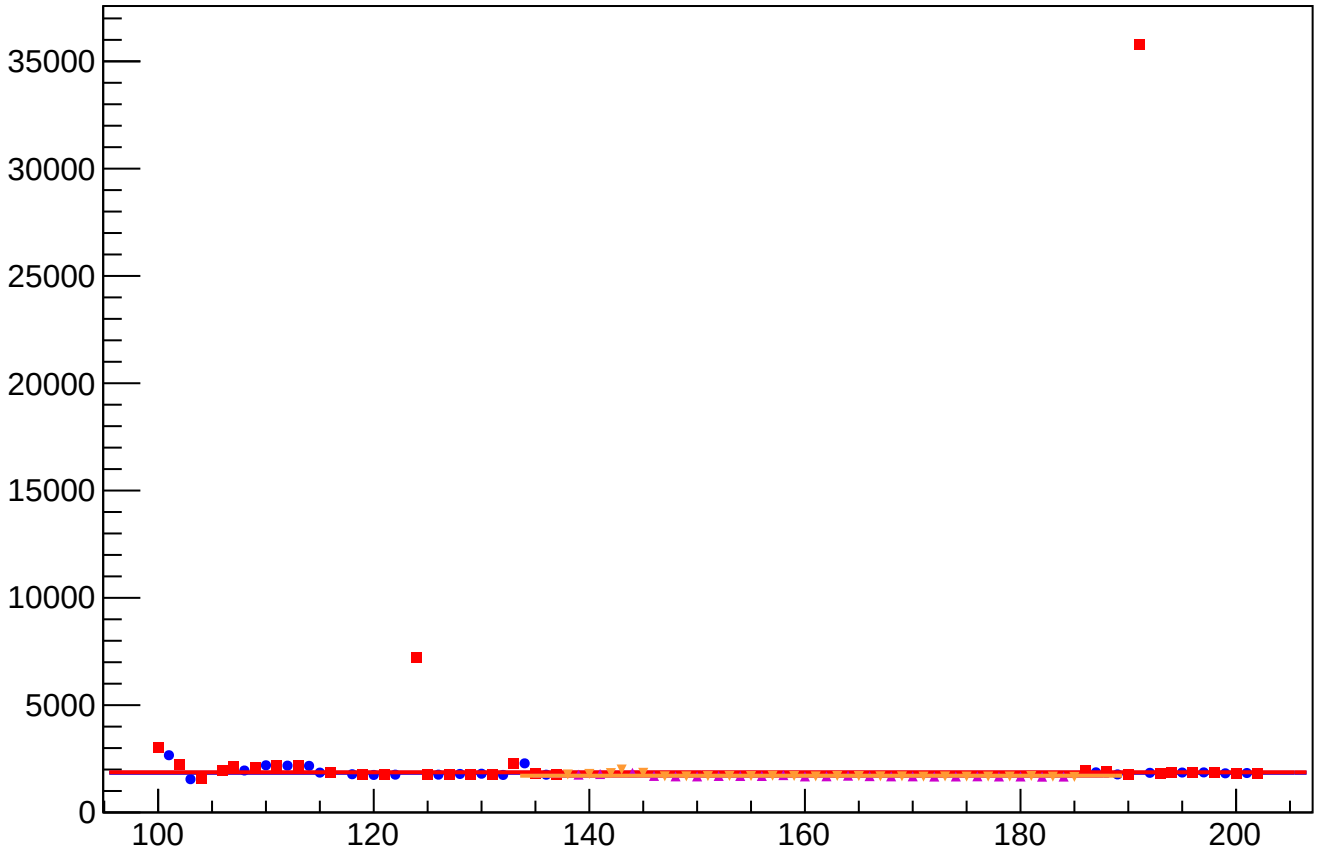
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2036.429+/-363.278 χ^2/NDF: 45.6/51

In: 2514.685+/-317.903 χ^2/NDF:33.0/45

Out: 1310.104+/-307.143 χ^2/NDF:54.2/53

All: 1891.664+/-220.889 χ^2/NDF: 94.5/99



Right In: 1847.904+/-0.374 χ^2/NDF: 266040.9/22

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1871.966+/-0.353 χ^2/NDF: 520084.9/28

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

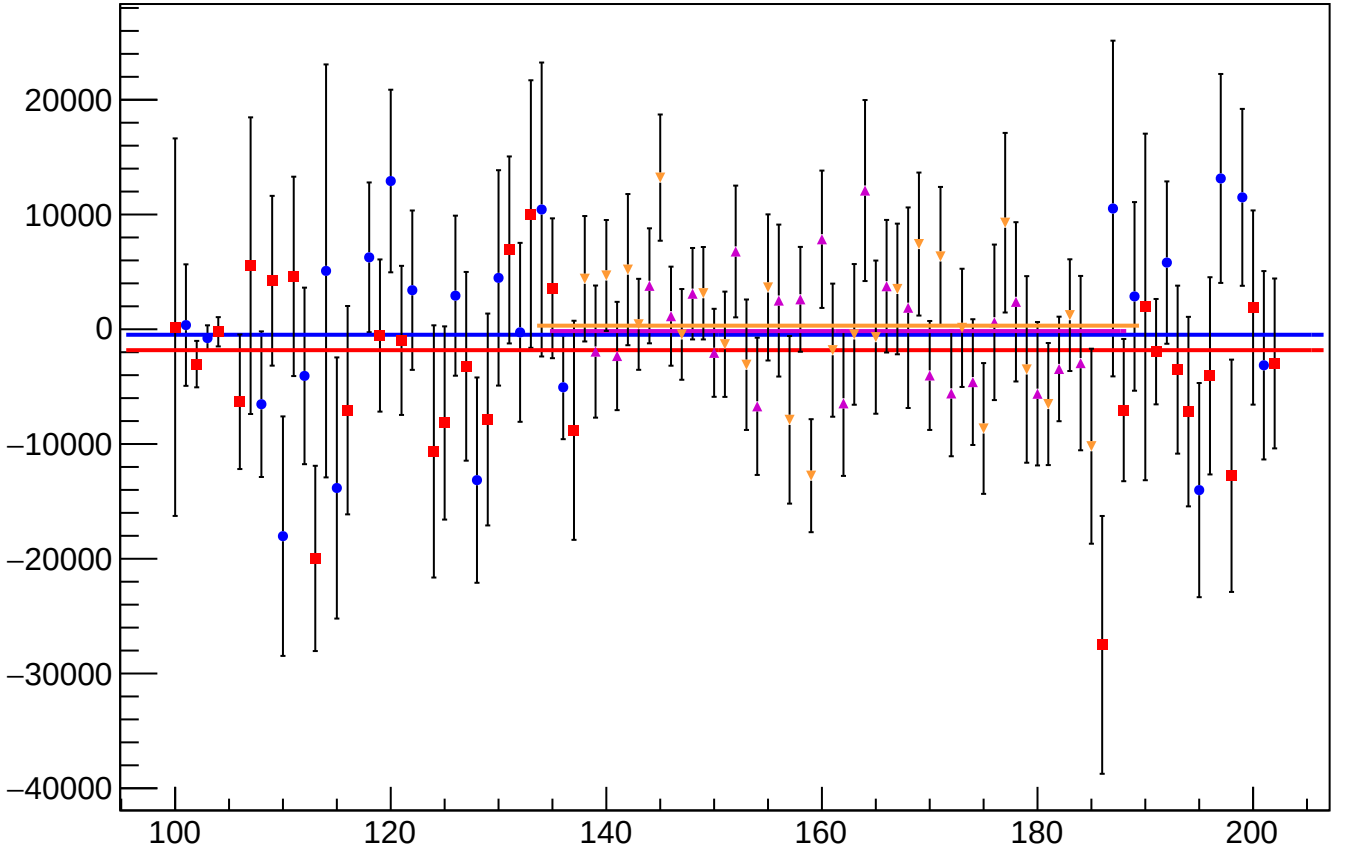
Right: 1860.607+/-0.257 χ^2/NDF: 788315.0/51

In: 1756.059+/-0.225 χ^2/NDF:383287.3/45

Out: 1772.250+/-0.217 χ^2/NDF:708097.7/53

All: 1764.436+/-0.156 χ^2/NDF: 1094069.3/99

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -478.938+/-923.203 χ^2/NDF: 22.4/22

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1821.906+/-881.499 χ^2/NDF: 22.6/28

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

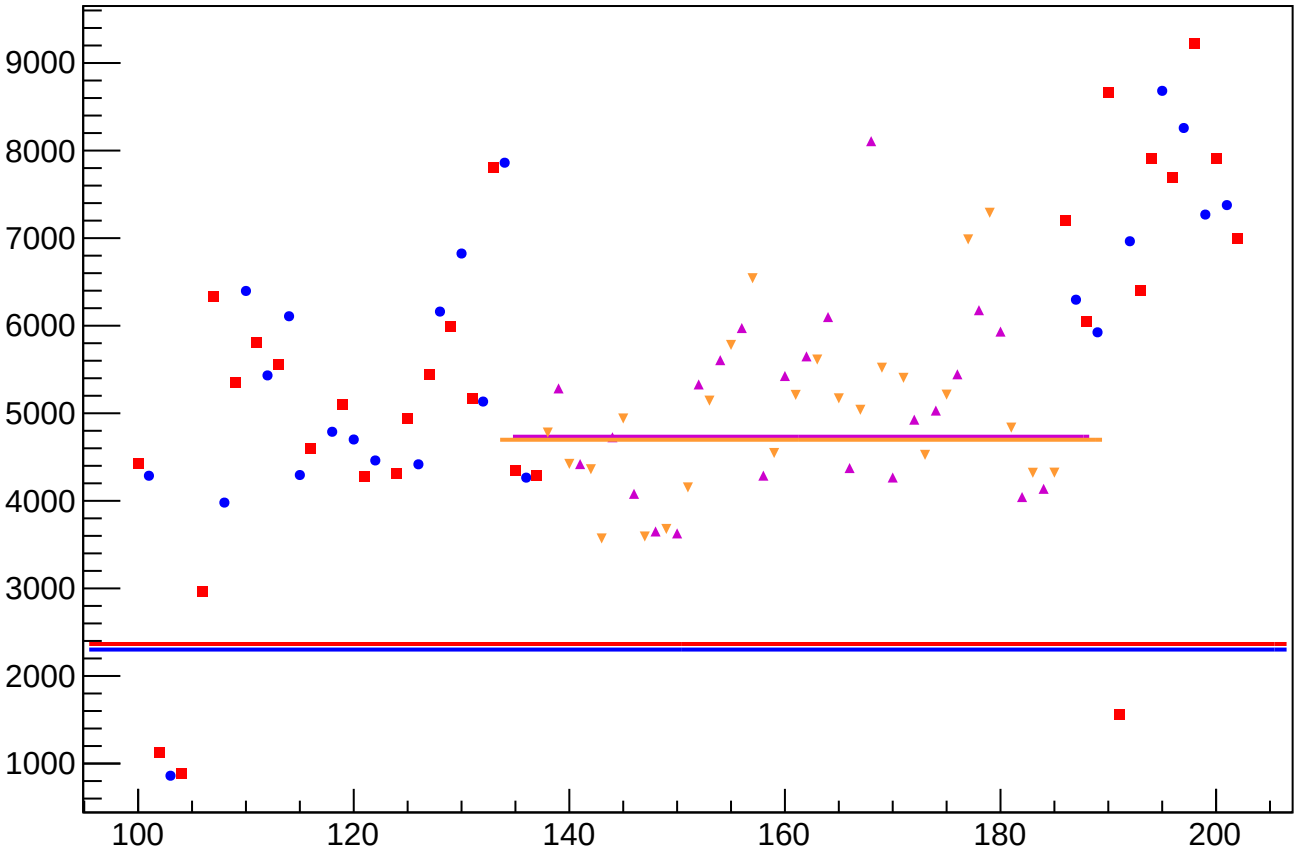
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1181.439+/-637.547 χ^2/NDF: 46.1/51

In: -350.247+/-714.541 χ^2/NDF:37.1/45

Out: -979.158+/-685.902 χ^2/NDF:52.0/53

All: -677.558+/-494.821 χ^2/NDF: 89.5/99



Right In: 2301.554+/-0.653 χ^2/NDF: 12051841.6/22

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2365.286+/-0.623 χ^2/NDF: 13385038.5/28

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

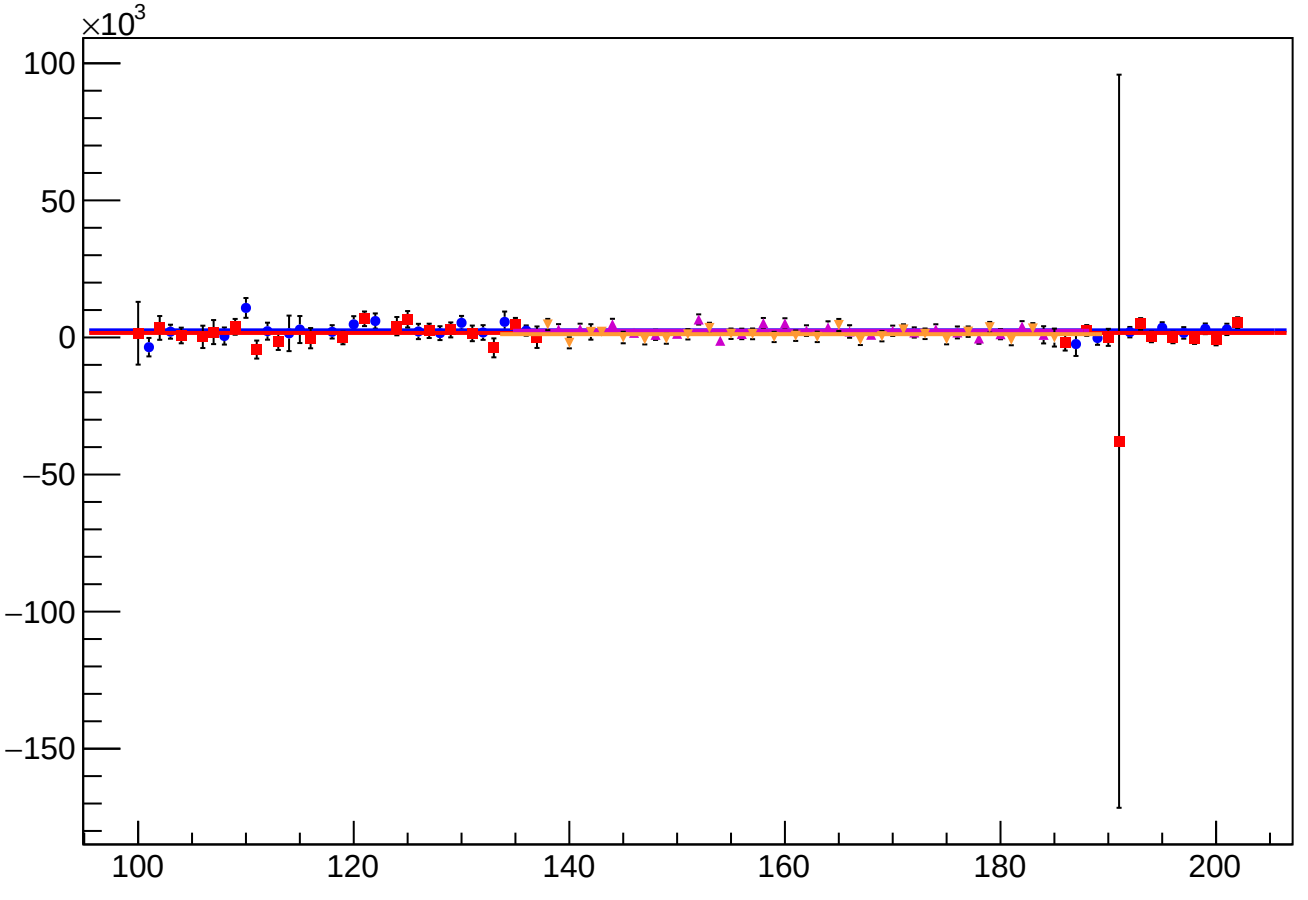
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2334.892+/-0.451 χ^2/NDF: 25441865.8/51

In: 3276.221+/-0.505 χ^2/NDF:18854372.6/45

Out: 3285.500+/-0.485 χ^2/NDF:20148580.8/53

All: 3281.050+/-0.350 χ^2/NDF: 39003128.9/9



Right In: 2592.324+/-542.306 χ^2/NDF: 16.5/22

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1648.181+/-509.081 χ^2/NDF: 29.1/28

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

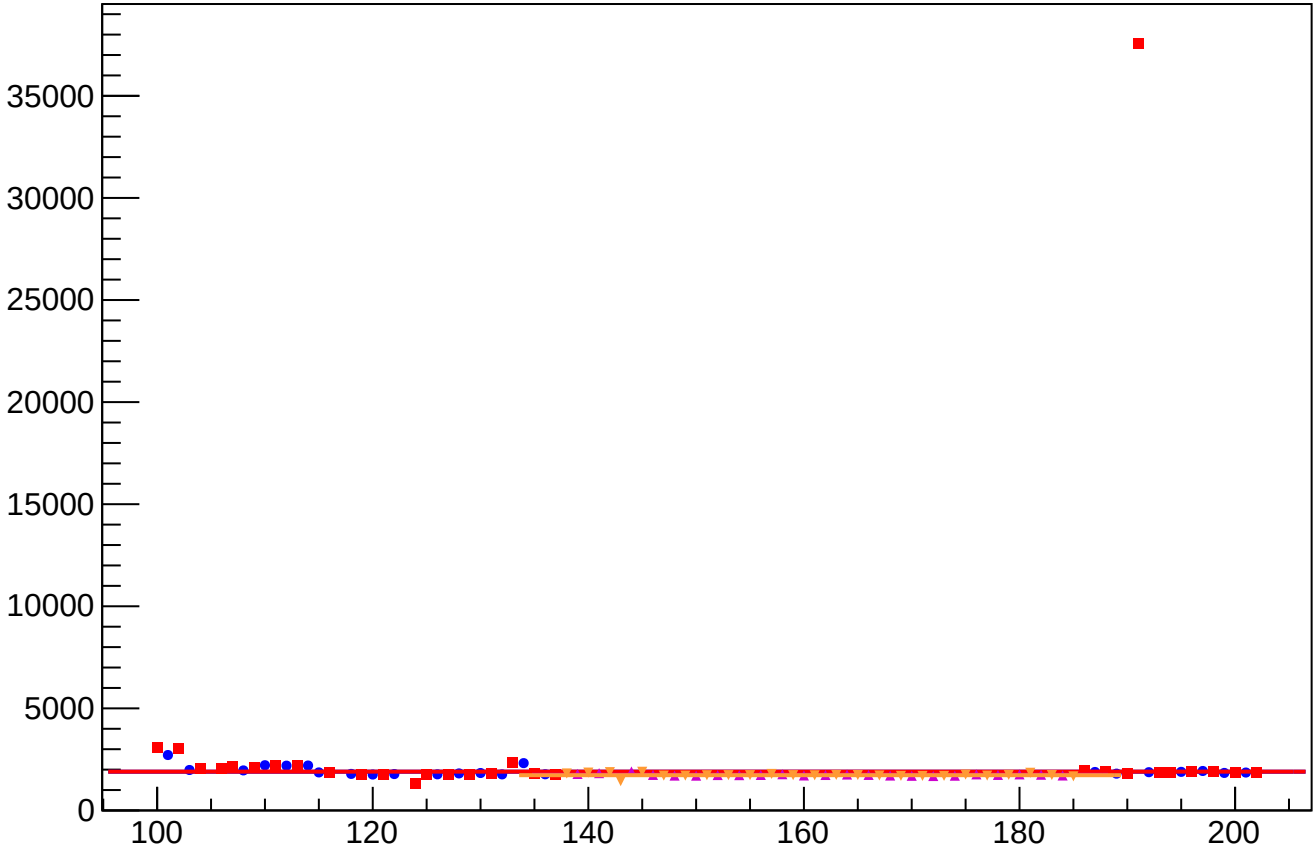
Right: 2090.447+/-371.165 χ^2/NDF: 47.2/51

In: 2493.740+/-325.804 χ^2/NDF:37.1/45

Out: 1365.694+/-311.078 χ^2/NDF:49.1/53

All: 1903.649+/-224.991 χ^2/NDF: 92.5/99

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1897.240+/-0.383 χ^2/NDF: 223709.3/22

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1901.439+/-0.360 χ^2/NDF: 500397.3/28

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

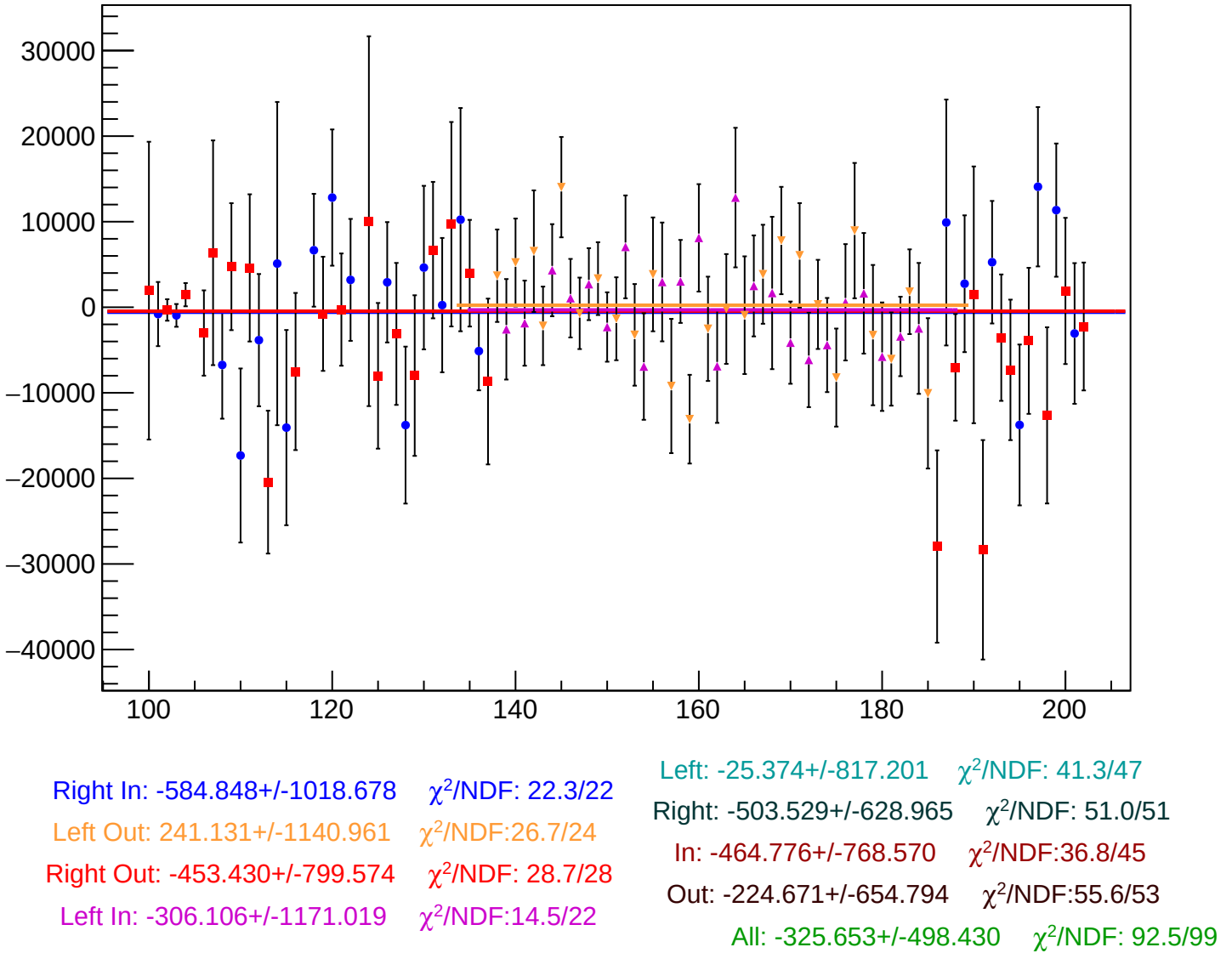
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

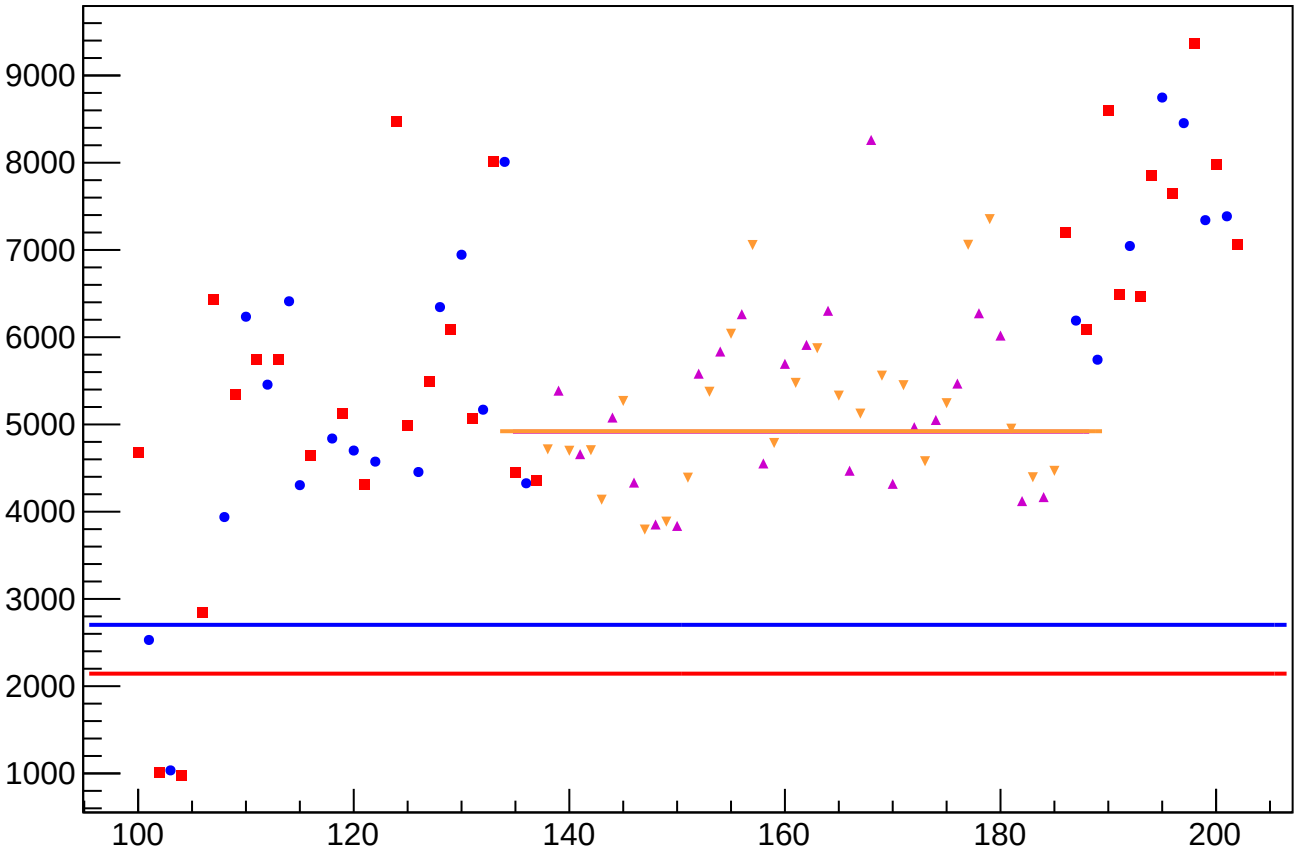
Right: 1899.473+/-0.262 χ^2/NDF: 724170.3/51

In: 1799.713+/-0.230 χ^2/NDF:351720.8/45

Out: 1792.315+/-0.220 χ^2/NDF:757489.9/53

All: 1795.842+/-0.159 χ^2/NDF: 1109750.3/99


asym_atl1r2_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -584.848+/-1018.678 χ²/NDF: 22.3/22
Left Out: 241.131+/-1140.961 χ²/NDF:26.7/24
Right Out: -453.430+/-799.574 χ²/NDF: 28.7/28
Left In: -306.106+/-1171.019 χ²/NDF:14.5/22
Left: -25.374+/-817.201 χ²/NDF: 41.3/47
Right: -503.529+/-628.965 χ²/NDF: 51.0/51
In: -464.776+/-768.570 χ²/NDF:36.8/45
Out: -224.671+/-654.794 χ²/NDF:55.6/53
All: -325.653+/-498.430 χ²/NDF: 92.5/99



Right In: 2703.064+/-0.720 χ^2/NDF: 10014479.5/22

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2143.633+/-0.565 χ^2/NDF: 14556284.8/28

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

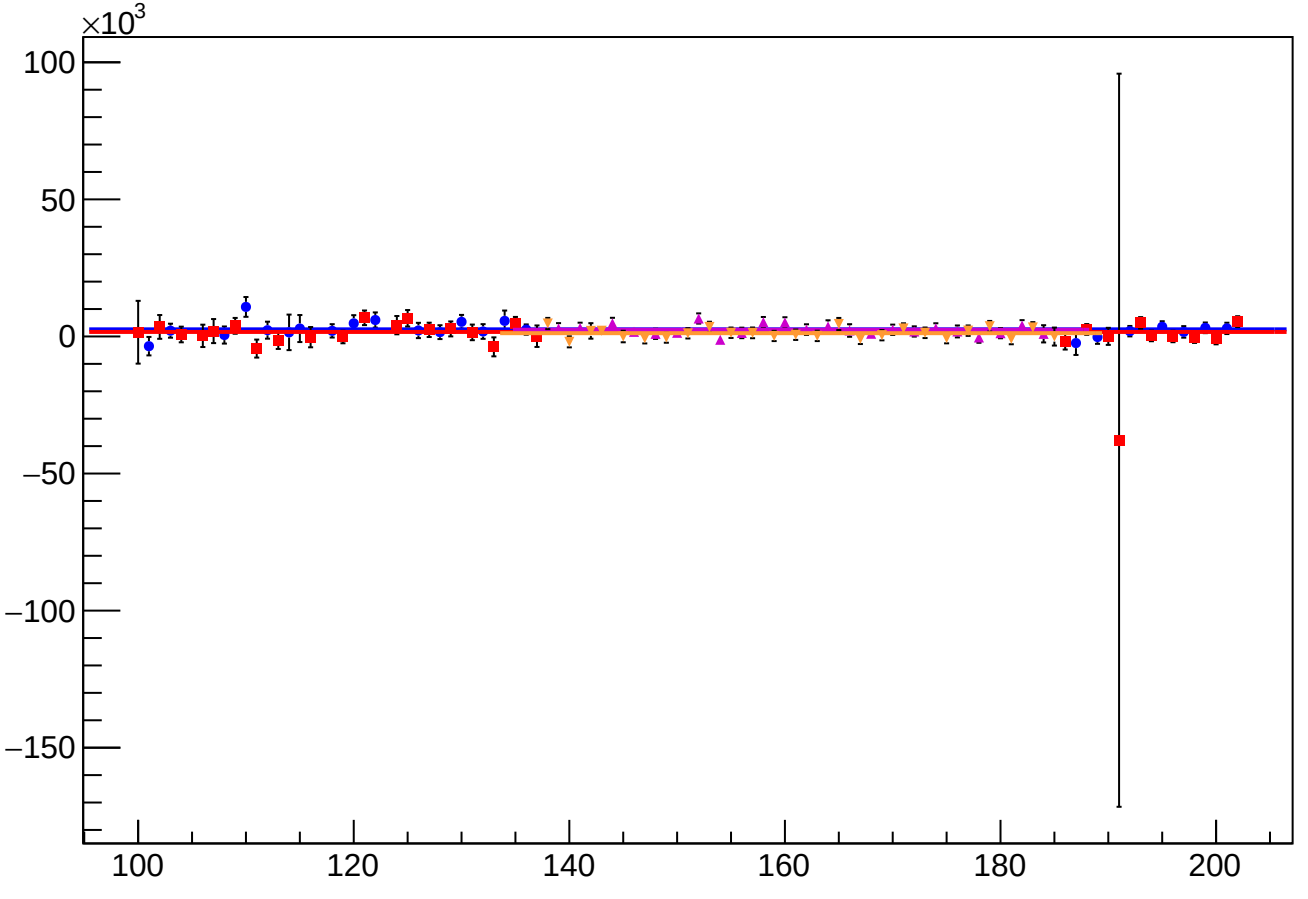
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2356.900+/-0.445 χ^2/NDF: 24944000.3/51

In: 3656.731+/-0.543 χ^2/NDF:15245343.0/45

Out: 3058.834+/-0.463 χ^2/NDF:23562382.4/53

All: 3310.293+/-0.352 χ^2/NDF: 39509043.3/9



Right In: 2592.324+/-542.306 χ^2/NDF: 16.5/22

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1648.181+/-509.081 χ^2/NDF: 29.1/28

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

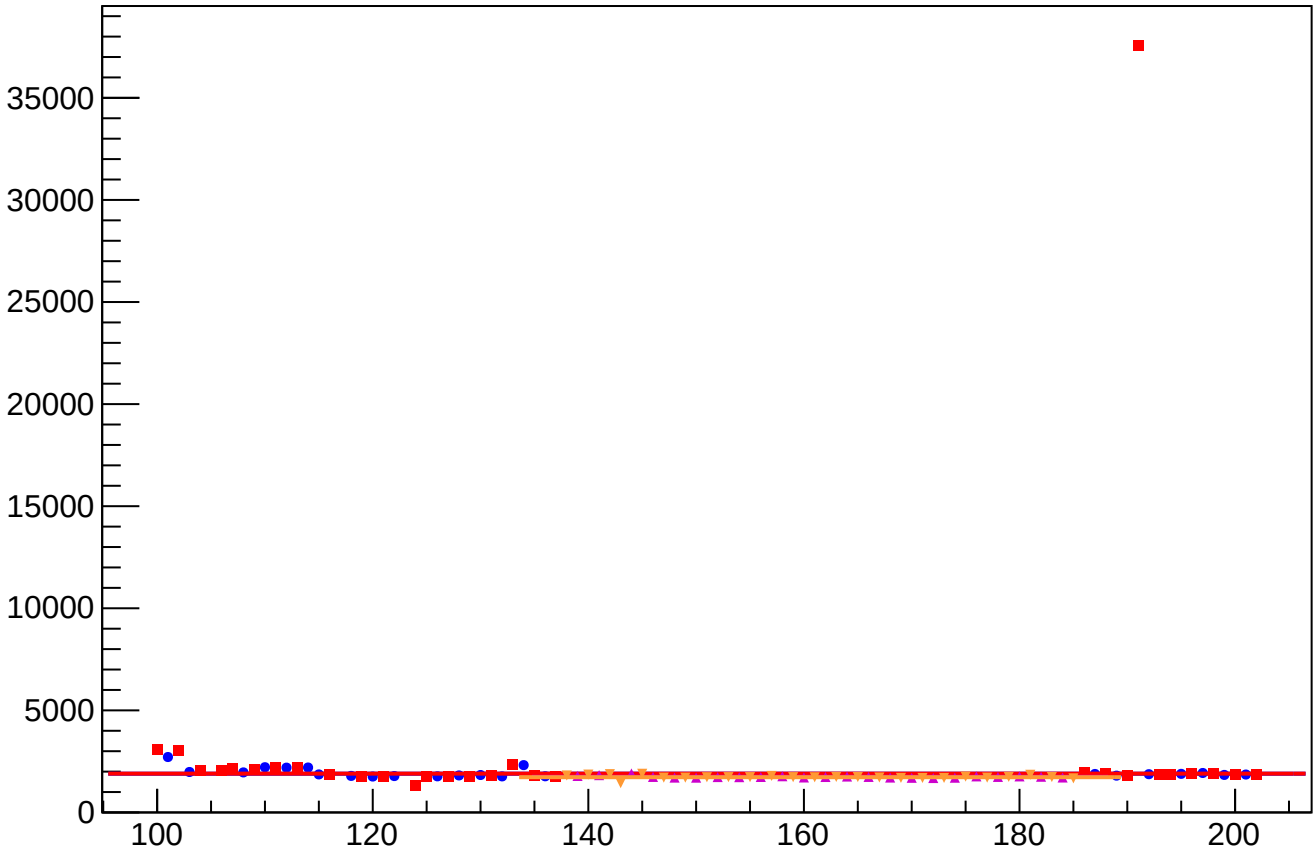
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2090.447+/-371.165 χ^2/NDF: 47.2/51

In: 2493.740+/-325.804 χ^2/NDF:37.1/45

Out: 1365.690+/-311.078 χ^2/NDF:49.1/53

All: 1903.647+/-224.991 χ^2/NDF: 92.5/99



Right In: 1897.239+/-0.383 χ^2/NDF: 223709.3/22

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1901.439+/-0.360 χ^2/NDF: 500396.1/28

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

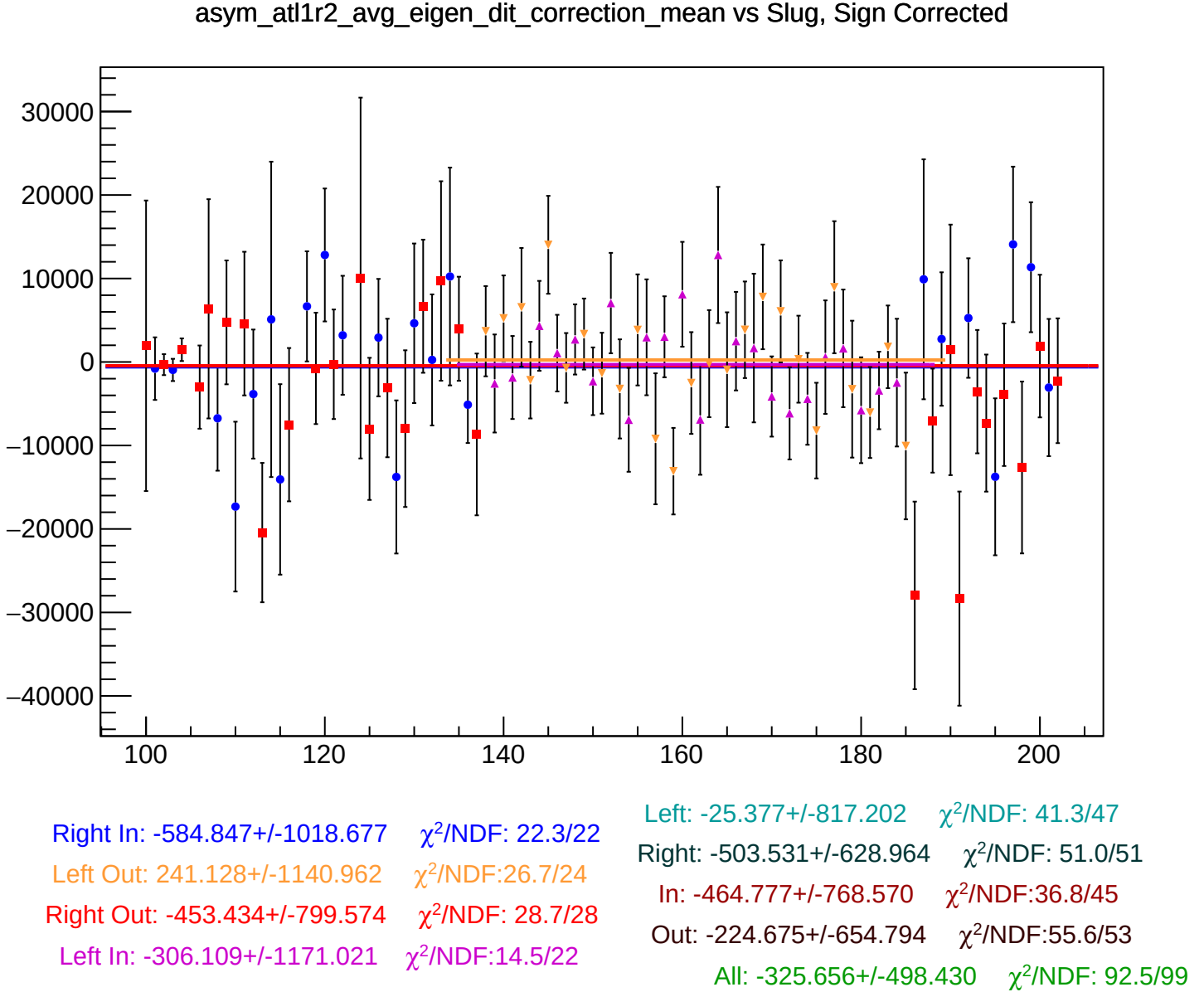
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

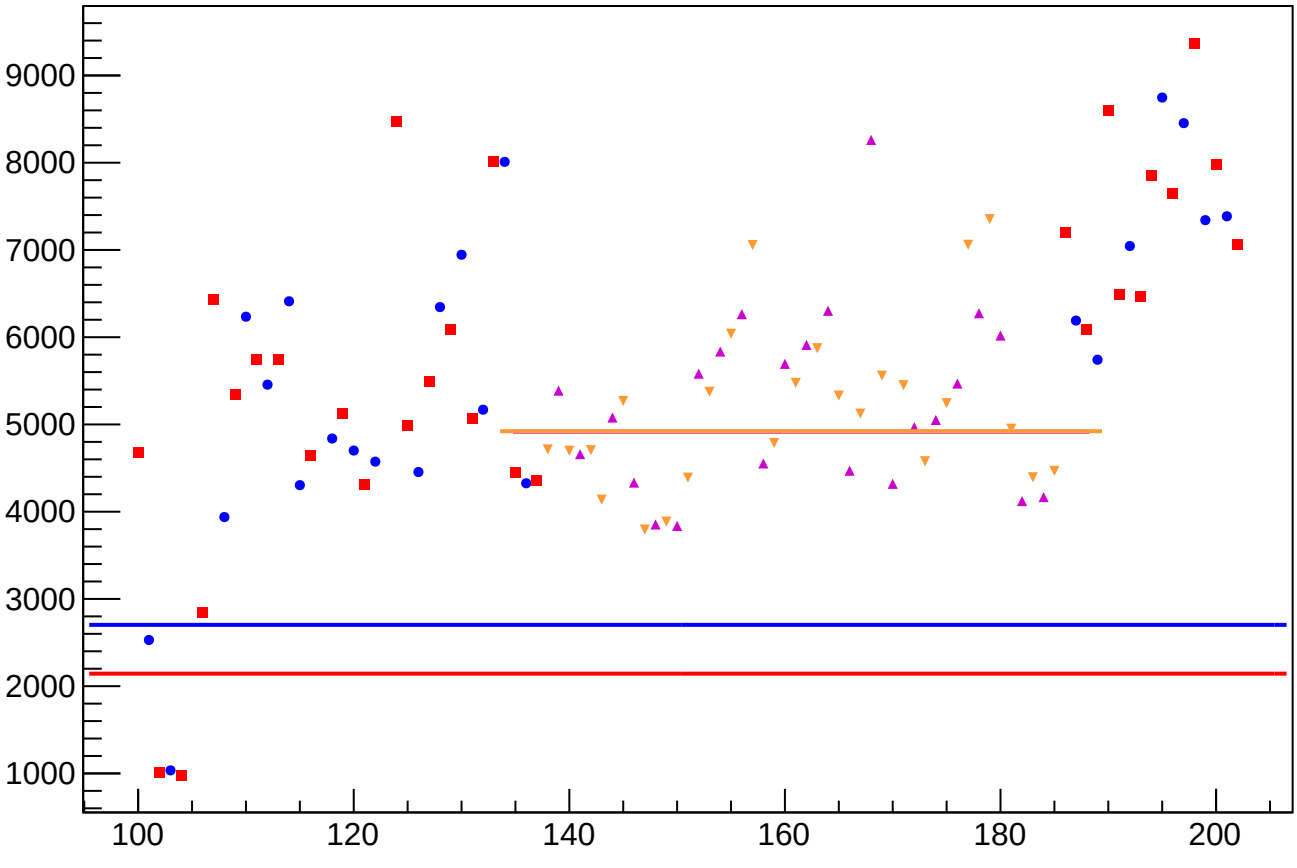
Right: 1899.472+/-0.262 χ^2/NDF: 724169.2/51

In: 1799.714+/-0.230 χ^2/NDF:351719.2/45

Out: 1792.315+/-0.220 χ^2/NDF:757486.1/53

All: 1795.843+/-0.159 χ^2/NDF: 1109744.9/99


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -584.847+/-1018.677 χ²/NDF: 22.3/22
Left Out: 241.128+/-1140.962 χ²/NDF:26.7/24
Right Out: -453.434+/-799.574 χ²/NDF: 28.7/28
Left In: -306.109+/-1171.021 χ²/NDF:14.5/22
Left: -25.377+/-817.202 χ²/NDF: 41.3/47
Right: -503.531+/-628.964 χ²/NDF: 51.0/51
In: -464.777+/-768.570 χ²/NDF:36.8/45
Out: -224.675+/-654.794 χ²/NDF:55.6/53
All: -325.656+/-498.430 χ²/NDF: 92.5/99



Right In: 2703.062+/-0.720 χ^2/NDF: 10014481.4/22

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2143.632+/-0.565 χ^2/NDF: 14556283.2/28

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

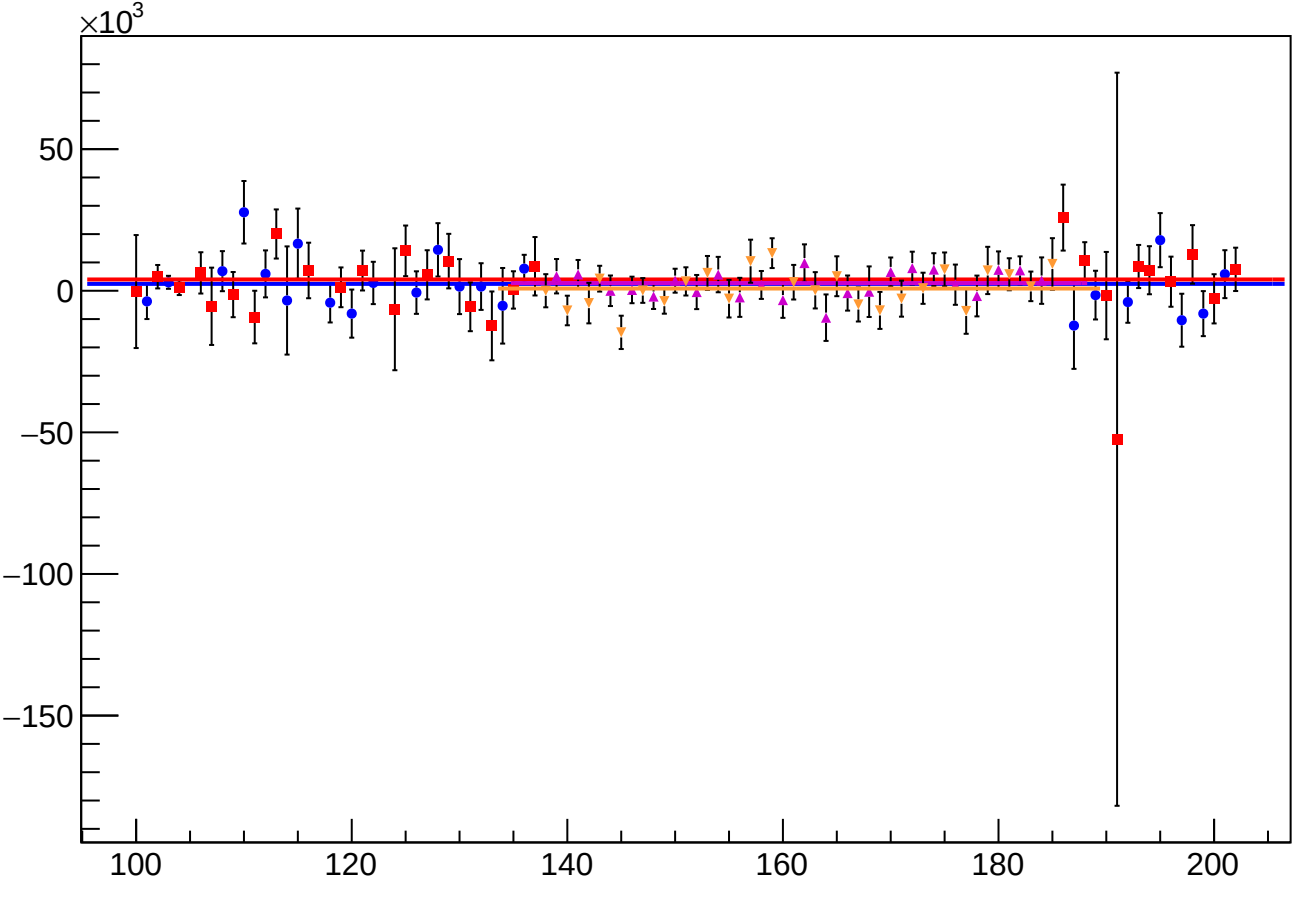
Right: 2356.899+/-0.445 χ^2/NDF: 24944000.1/51

In: 3656.731+/-0.543 χ^2/NDF:15245377.0/45

Out: 3058.834+/-0.463 χ^2/NDF:23562419.0/53

All: 3310.293+/-0.352 χ^2/NDF: 39509115.0/9

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2428.491+/-1399.278 χ^2/NDF: 22.4/22

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3985.917+/-1368.616 χ^2/NDF: 20.9/28

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

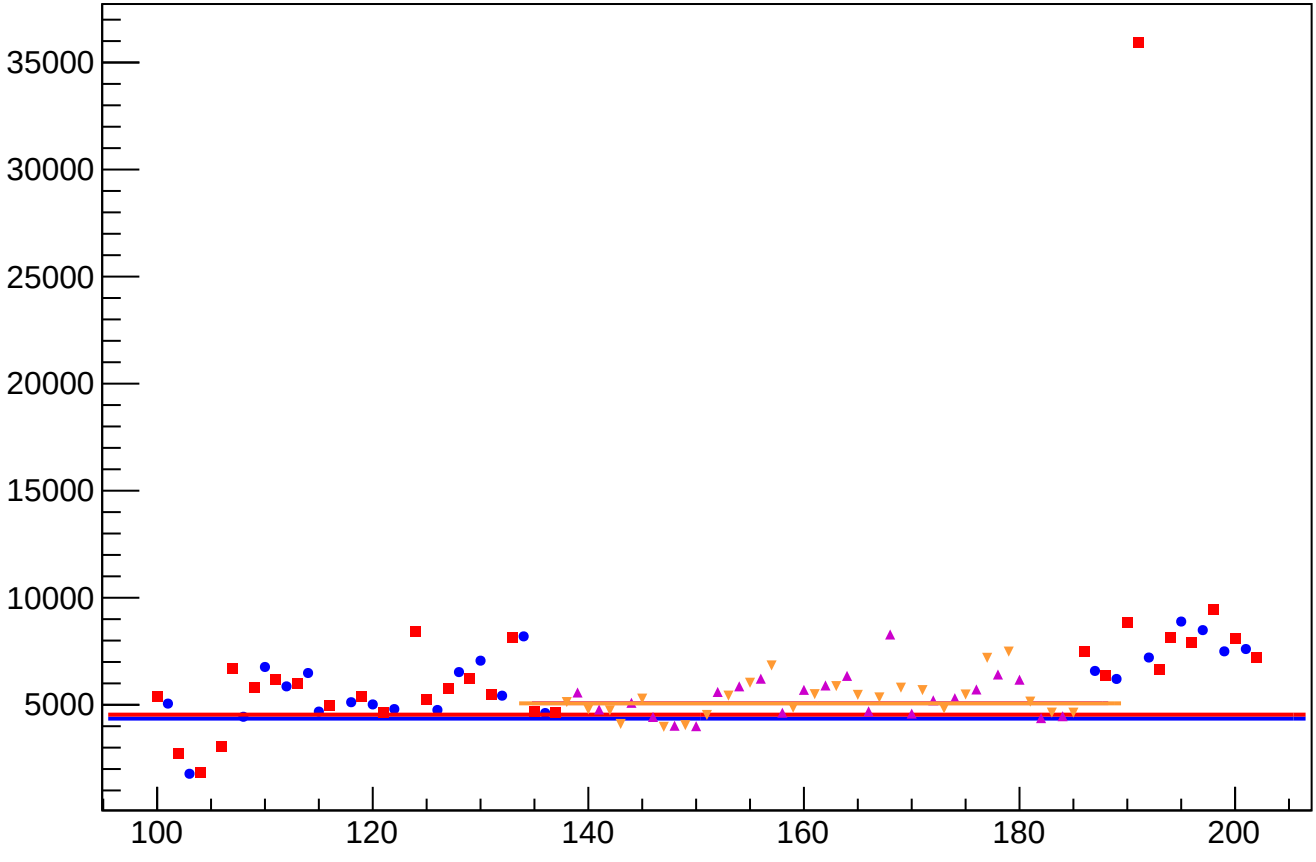
Right: 3224.455+/-978.418 χ^2/NDF: 43.9/51

In: 2587.421+/-913.647 χ^2/NDF:34.3/45

Out: 2140.880+/-890.186 χ^2/NDF:51.6/53

All: 2358.344+/-637.589 χ^2/NDF: 86.0/99

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4355.948+/-0.989 χ^2/NDF: 5144214.6/22

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4540.409+/-0.960 χ^2/NDF: 5677535.9/28

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

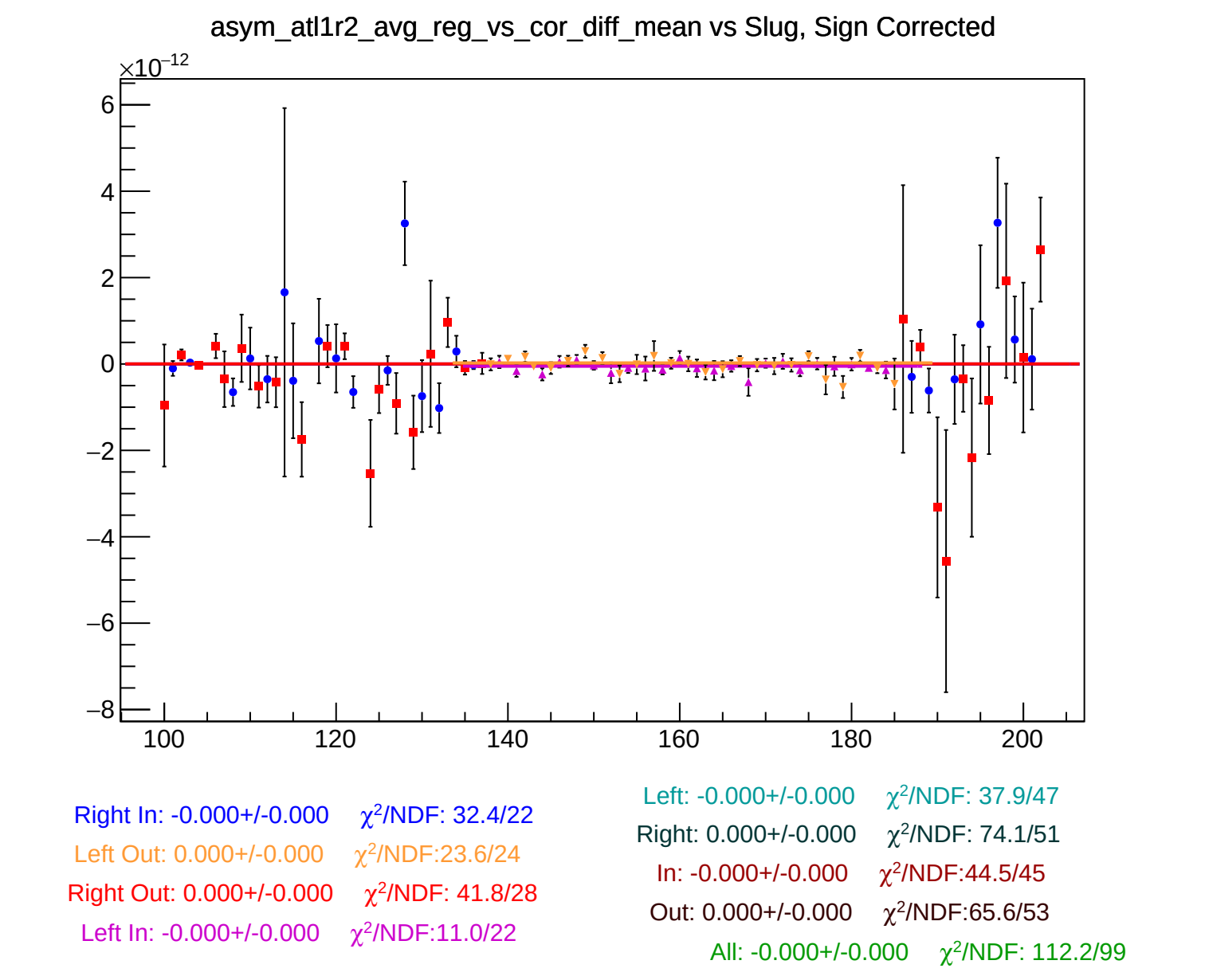
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

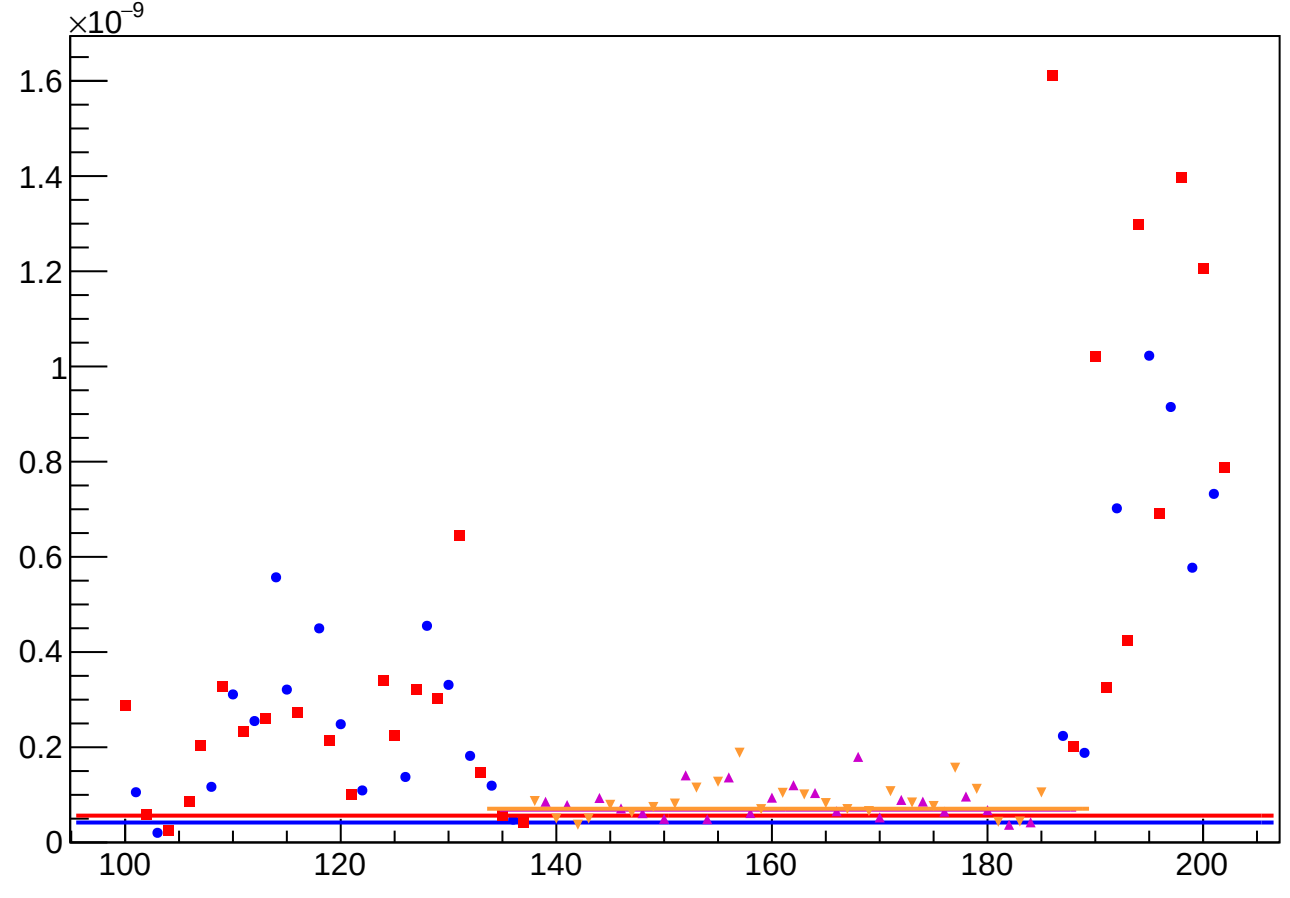
Right: 4450.942+/-0.689 χ^2/NDF: 10839649.4/51

In: 4771.149+/-0.646 χ^2/NDF:6452414.3/45

Out: 4842.724+/-0.627 χ^2/NDF:6804744.5/53

All: 4807.986+/-0.450 χ^2/NDF: 13263475.9/9


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 32.4/22
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.8/28
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: 0.000+/-0.000 χ²/NDF: 74.1/51
In: -0.000+/-0.000 χ²/NDF:44.5/45
Out: 0.000+/-0.000 χ²/NDF:65.6/53
All: -0.000+/-0.000 χ²/NDF: 112.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 6761045.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8398598.1/28

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

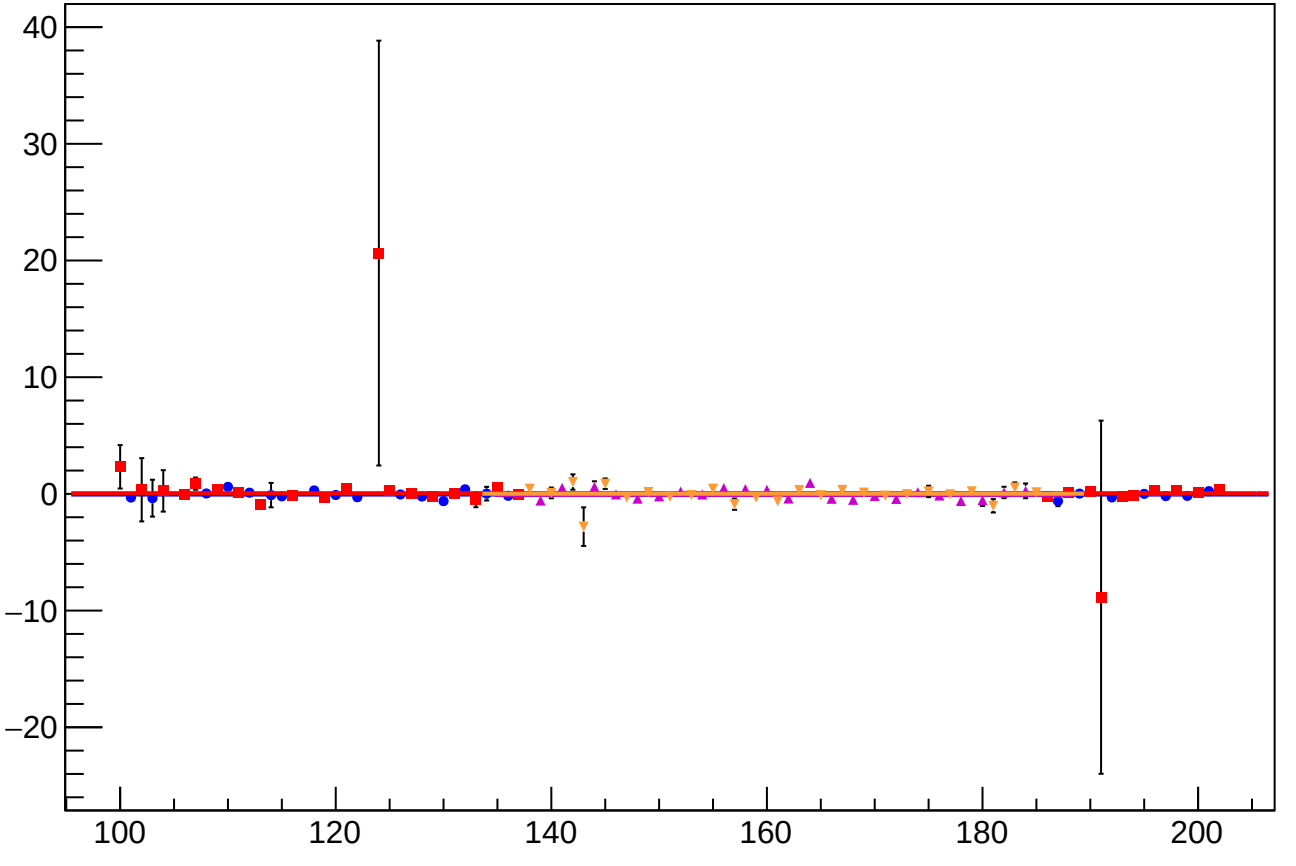
Right: 0.000+/-0.000 χ^2/NDF: 15287582.9/51

In: 0.000+/-0.000 χ^2/NDF:8864865.4/45

Out: 0.000+/-0.000 χ^2/NDF:10037448.7/53

All: 0.000+/-0.000 χ^2/NDF: 19030391.4/99

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.064 χ^2/NDF: 15.7/22

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 28.7/28

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

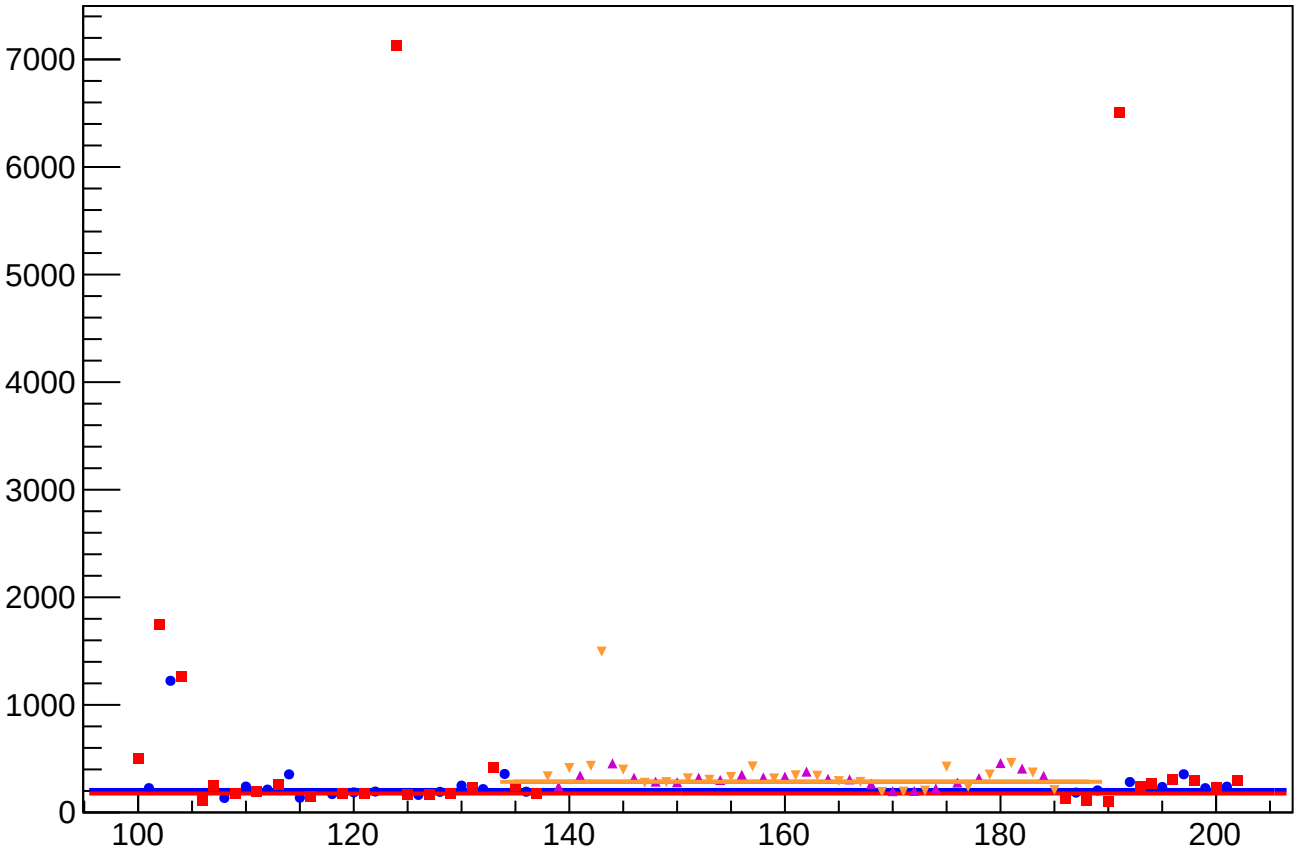
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.013+/-0.041 χ^2/NDF: 46.4/51

In: -0.073+/-0.047 χ^2/NDF:46.7/45

Out: 0.044+/-0.042 χ^2/NDF:57.3/53

All: -0.008+/-0.032 χ^2/NDF: 107.3/99



Right In: 209.129+/-0.045 χ^2/NDF: 1927731.7/22

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 175.958+/-0.038 χ^2/NDF: 5060283.4/28

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

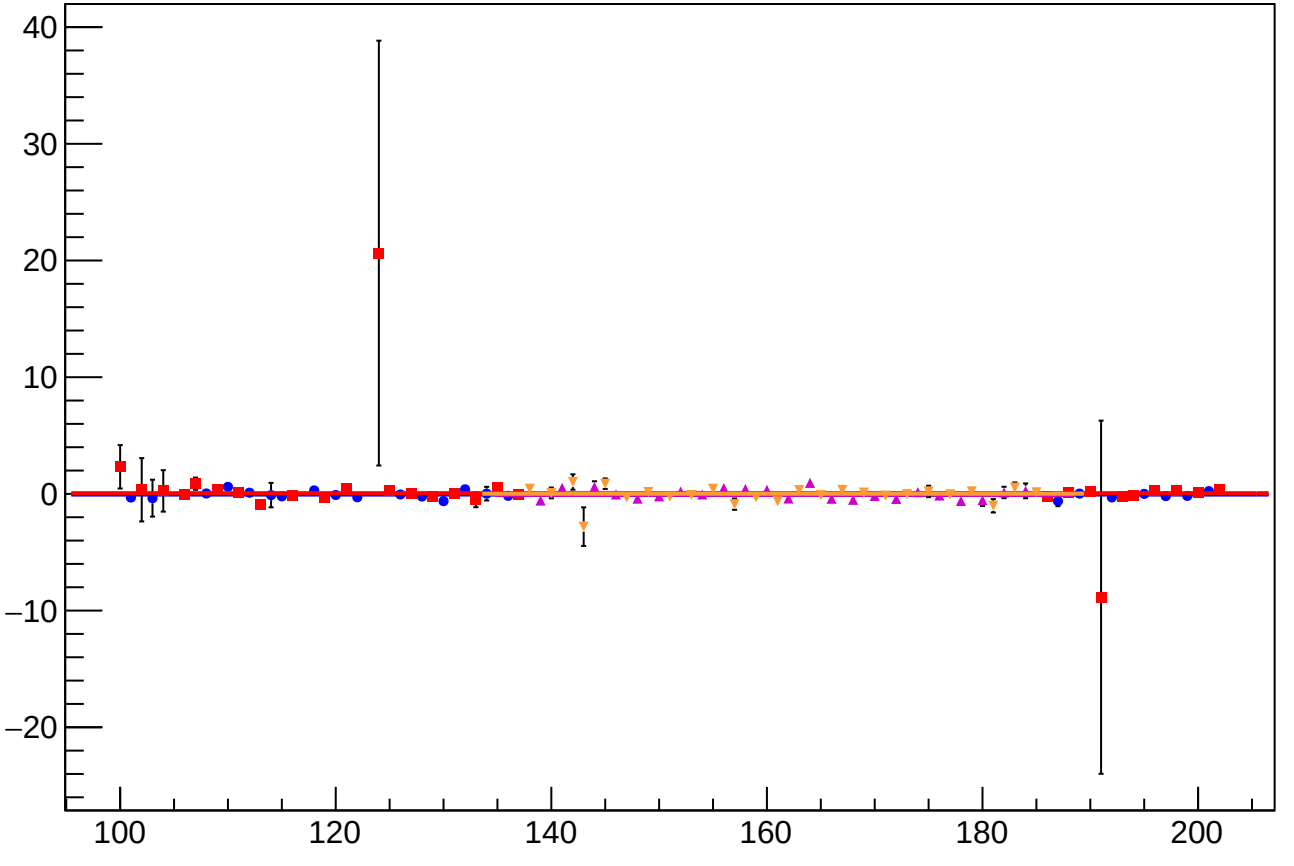
Right: 189.582+/-0.029 χ^2/NDF: 7304139.0/51

In: 243.871+/-0.034 χ^2/NDF:4972351.1/45

Out: 216.281+/-0.030 χ^2/NDF:11544154.0/53

All: 228.566+/-0.022 χ^2/NDF: 16892709.0/99

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.064 χ^2/NDF: 15.7/22

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 28.7/28

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

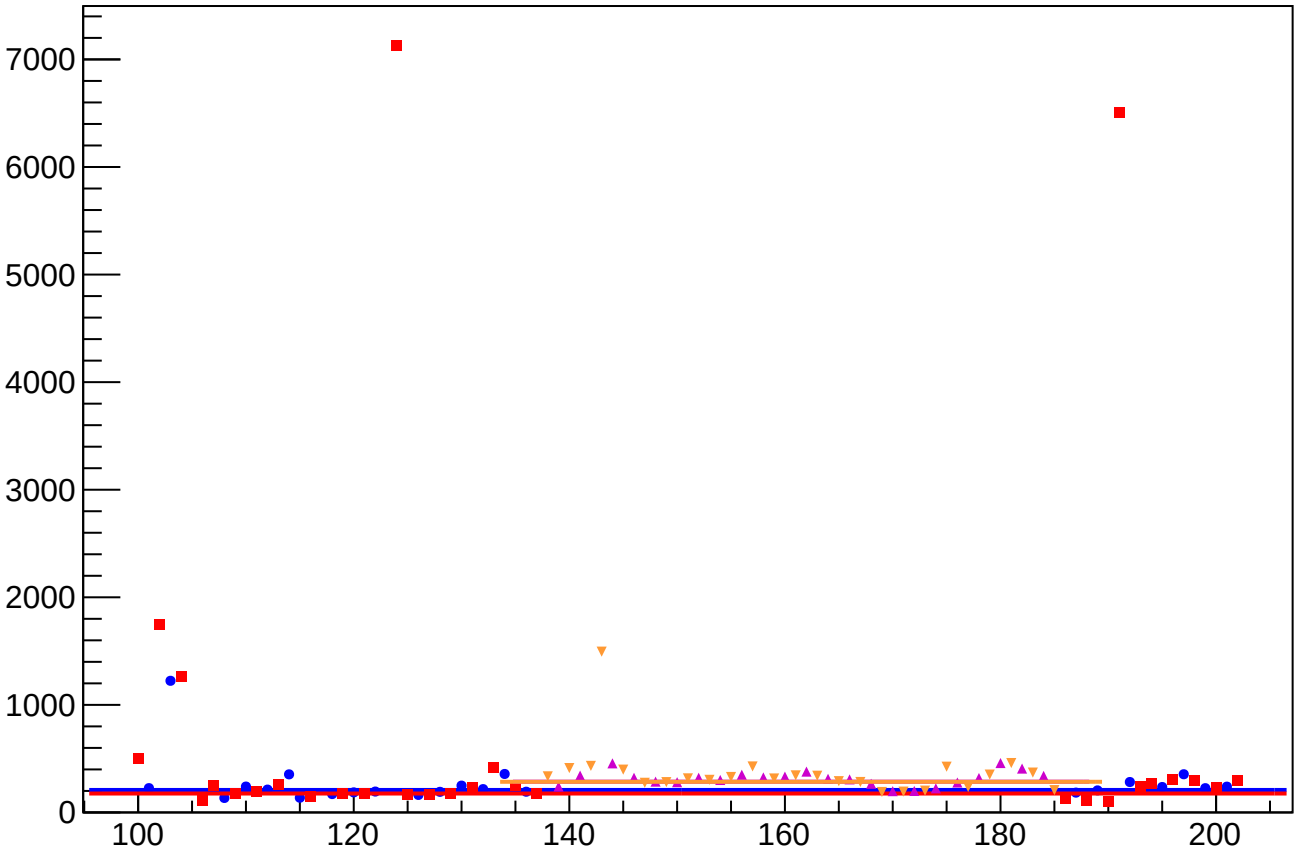
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.013+/-0.041 χ^2/NDF: 46.4/51

In: -0.073+/-0.047 χ^2/NDF:46.7/45

Out: 0.044+/-0.042 χ^2/NDF:57.3/53

All: -0.008+/-0.032 χ^2/NDF: 107.3/99



Right In: 209.129+/-0.045 χ^2/NDF: 1927731.7/22

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 175.958+/-0.038 χ^2/NDF: 5060283.4/28

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

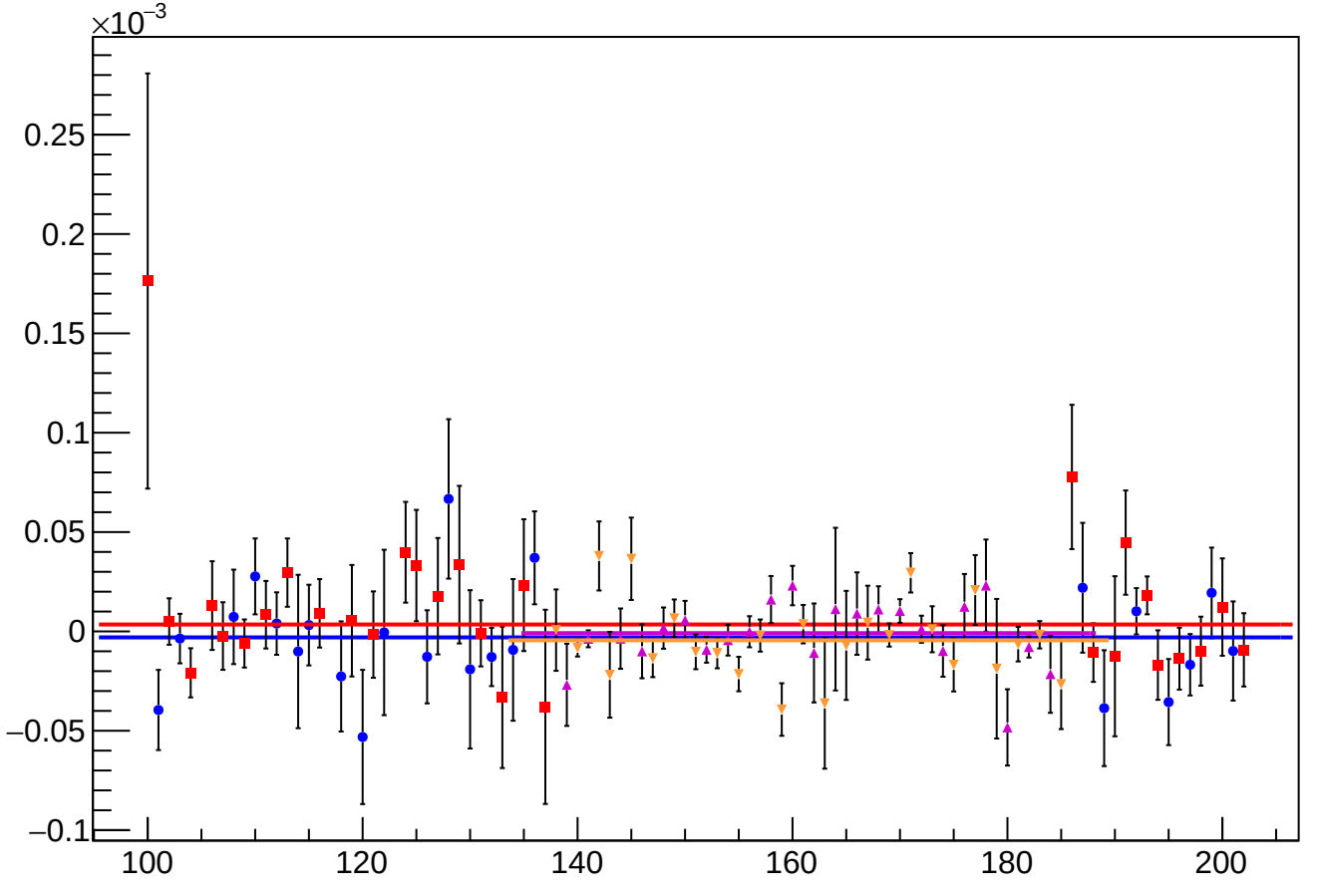
Right: 189.582+/-0.029 χ^2/NDF: 7304139.0/51

In: 243.871+/-0.034 χ^2/NDF:4972351.1/45

Out: 216.281+/-0.030 χ^2/NDF:11544154.0/53

All: 228.566+/-0.022 χ^2/NDF: 16892709.0/99

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/28

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

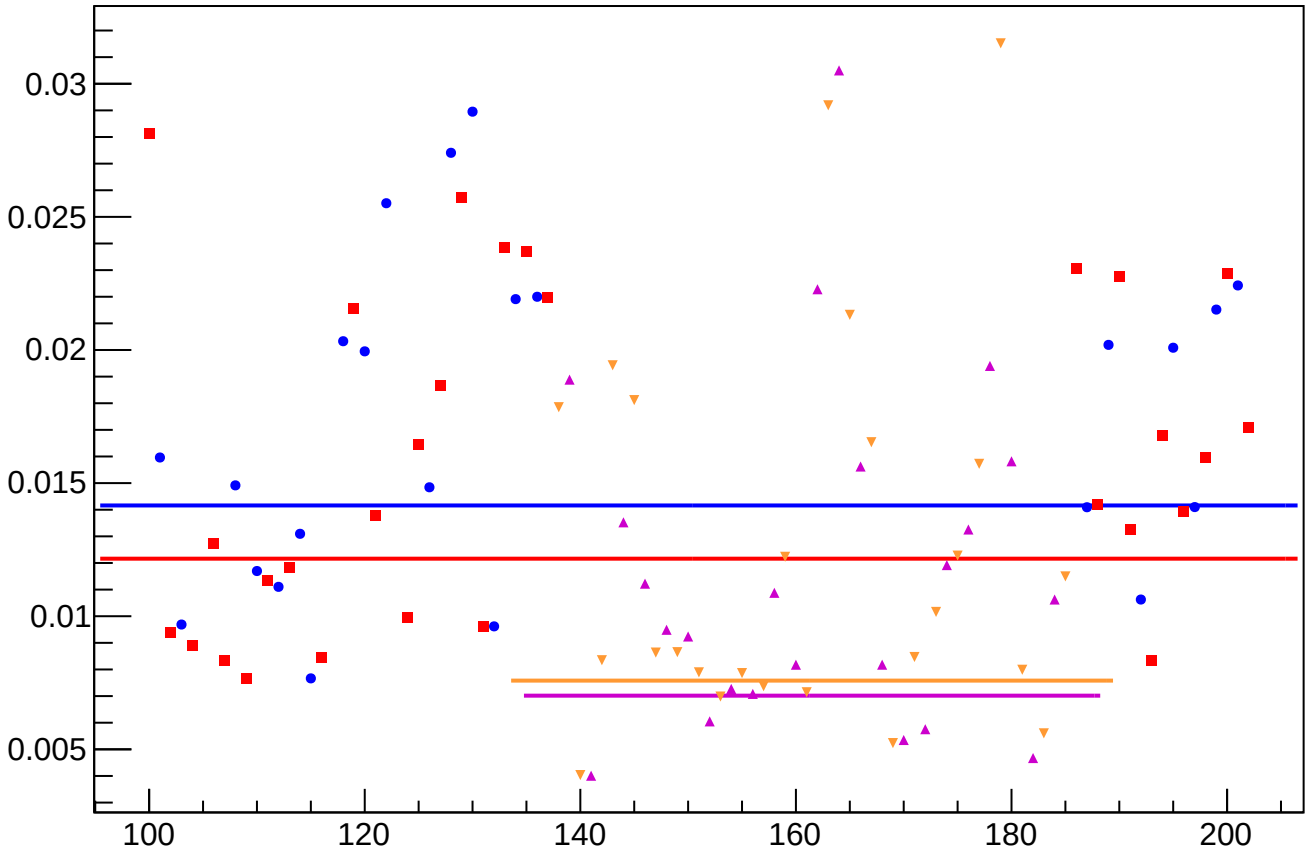
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 54.8/51

In: -0.000+/-0.000 χ^2/NDF:52.5/45

Out: -0.000+/-0.000 χ^2/NDF:78.1/53

All: -0.000+/-0.000 χ^2/NDF: 130.8/99



Right In: 0.014+/-0.000 χ^2/NDF: 2750032.9/22

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3462995.7/28

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

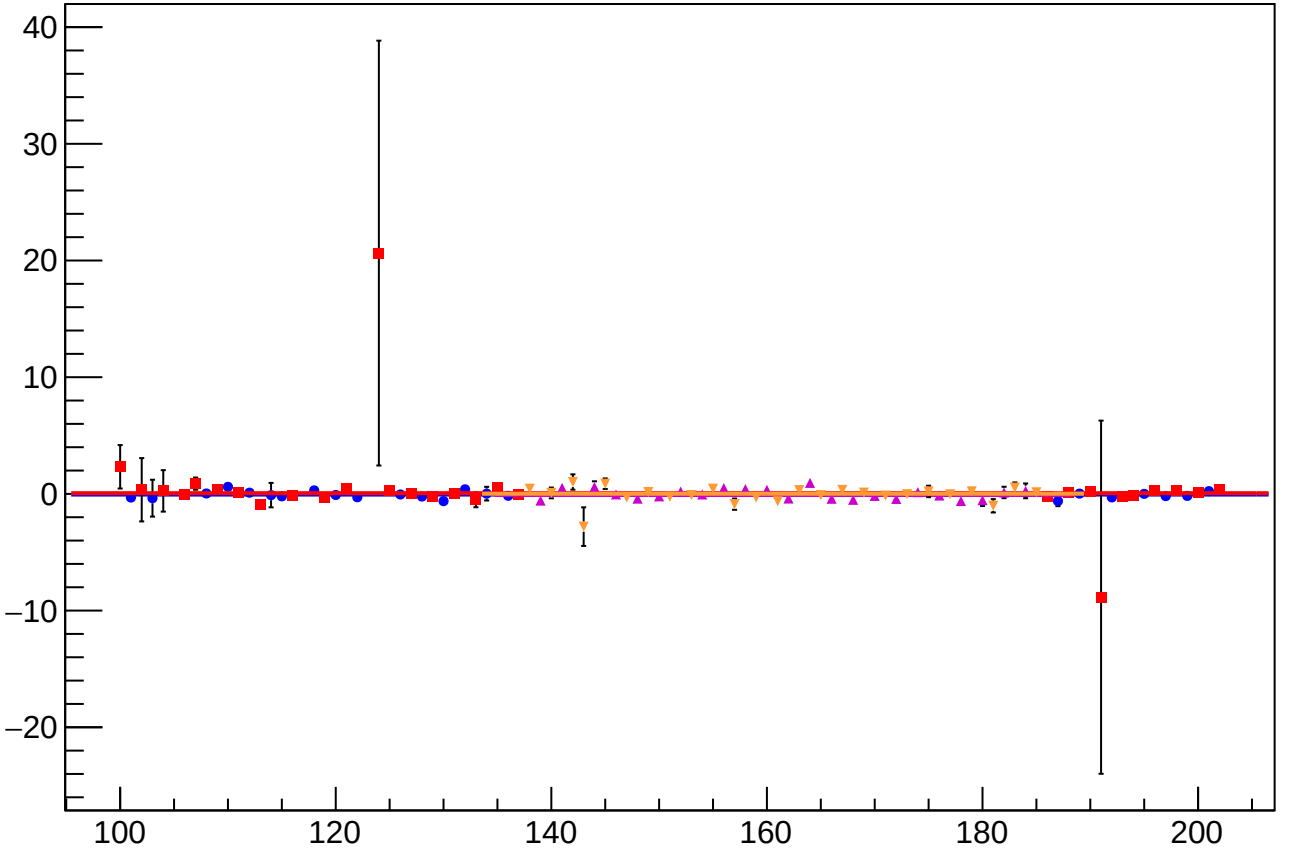
Right: 0.013+/-0.000 χ^2/NDF: 6472549.6/51

In: 0.008+/-0.000 χ^2/NDF:14022775.1/45

Out: 0.009+/-0.000 χ^2/NDF:13469725.3/53

All: 0.008+/-0.000 χ^2/NDF: 27589247.7/99

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.064 χ^2/NDF: 15.7/22

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 28.7/28

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

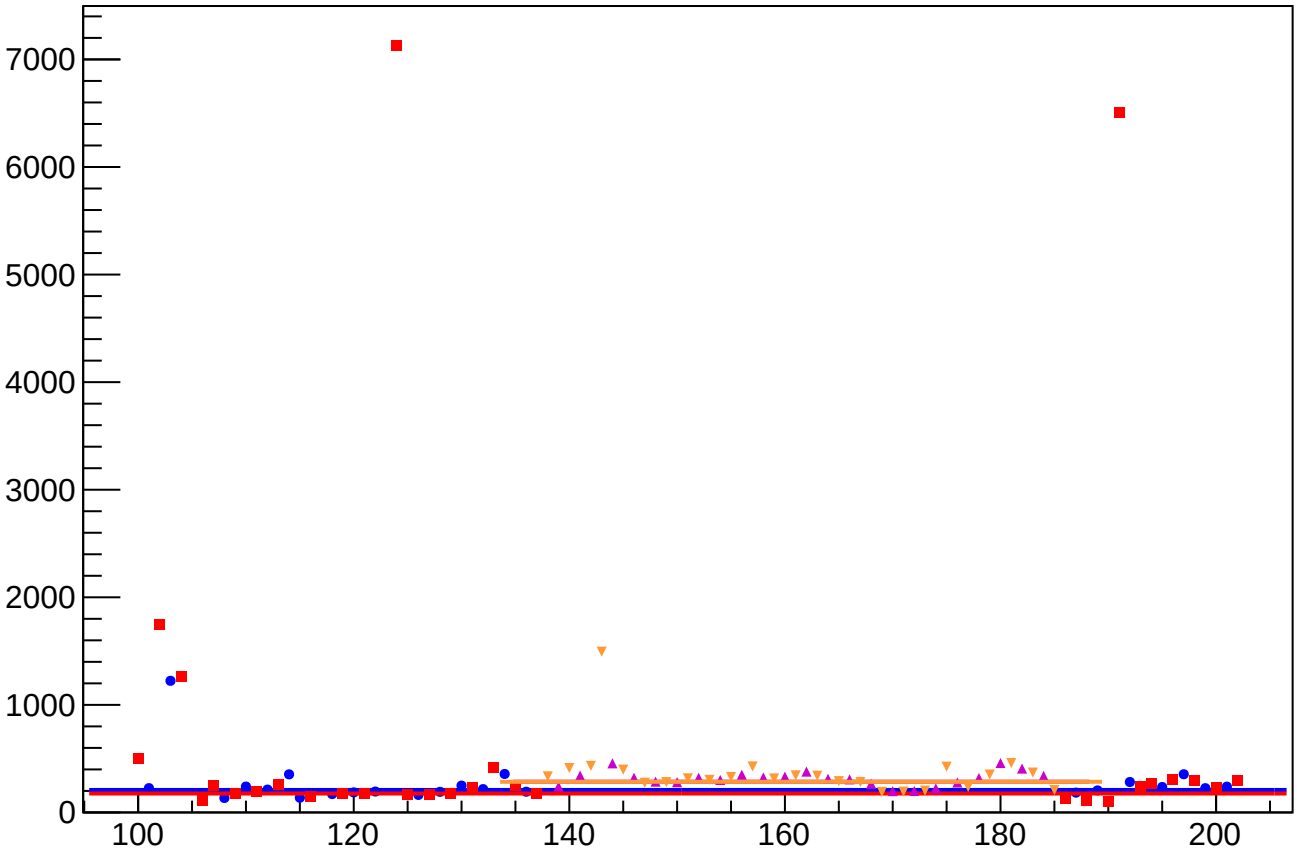
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.013+/-0.041 χ^2/NDF: 46.4/51

In: -0.073+/-0.047 χ^2/NDF:46.7/45

Out: 0.044+/-0.042 χ^2/NDF:57.2/53

All: -0.008+/-0.032 χ^2/NDF: 107.3/99



Right In: 209.127+/-0.045 χ^2/NDF: 1927726.1/22

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 175.956+/-0.038 χ^2/NDF: 5060429.4/28

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

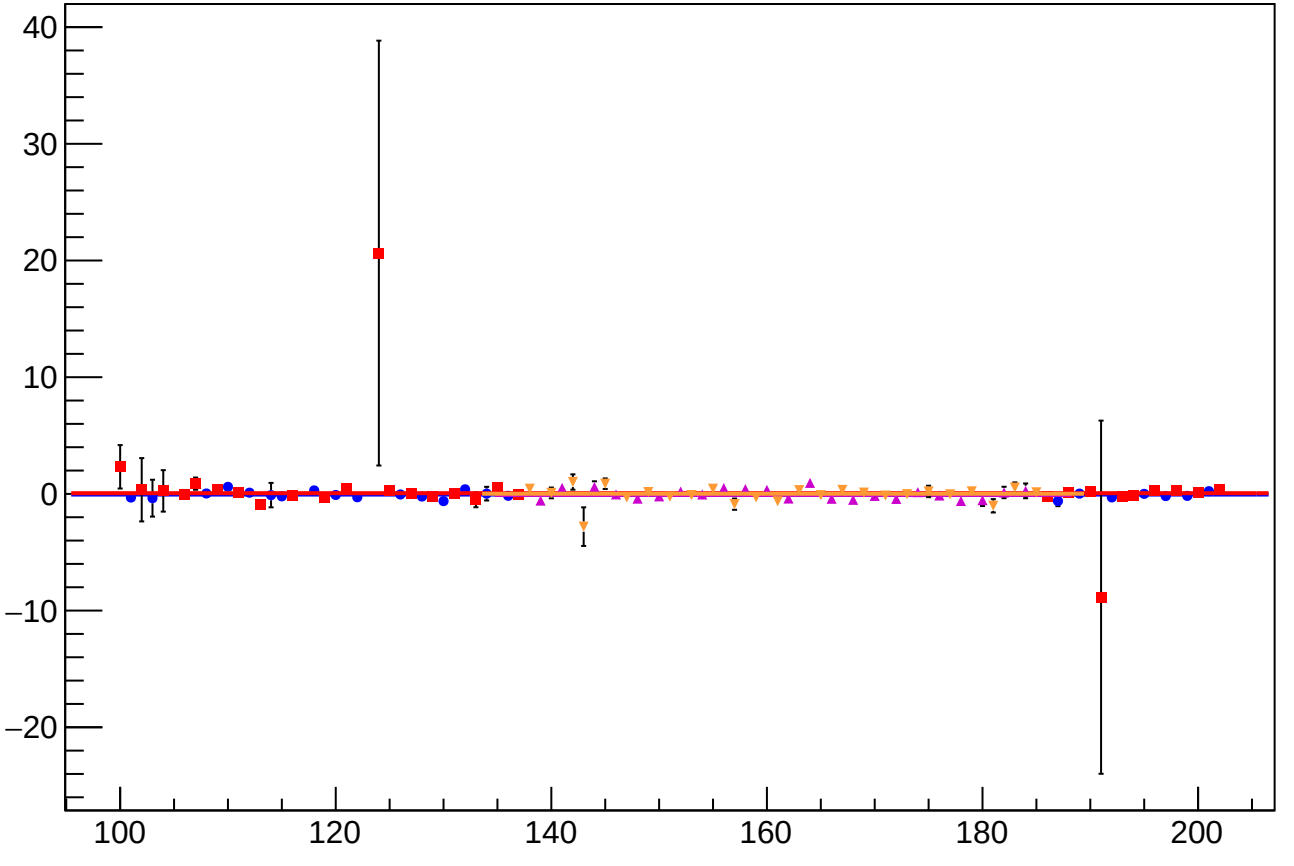
Right: 189.579+/-0.029 χ^2/NDF: 7304313.7/51

In: 243.871+/-0.034 χ^2/NDF:4972503.0/45

Out: 216.279+/-0.030 χ^2/NDF:11544627.9/53

All: 228.565+/-0.022 χ^2/NDF: 16893381.7/99

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.064 χ^2/NDF: 15.7/22

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 28.7/28

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

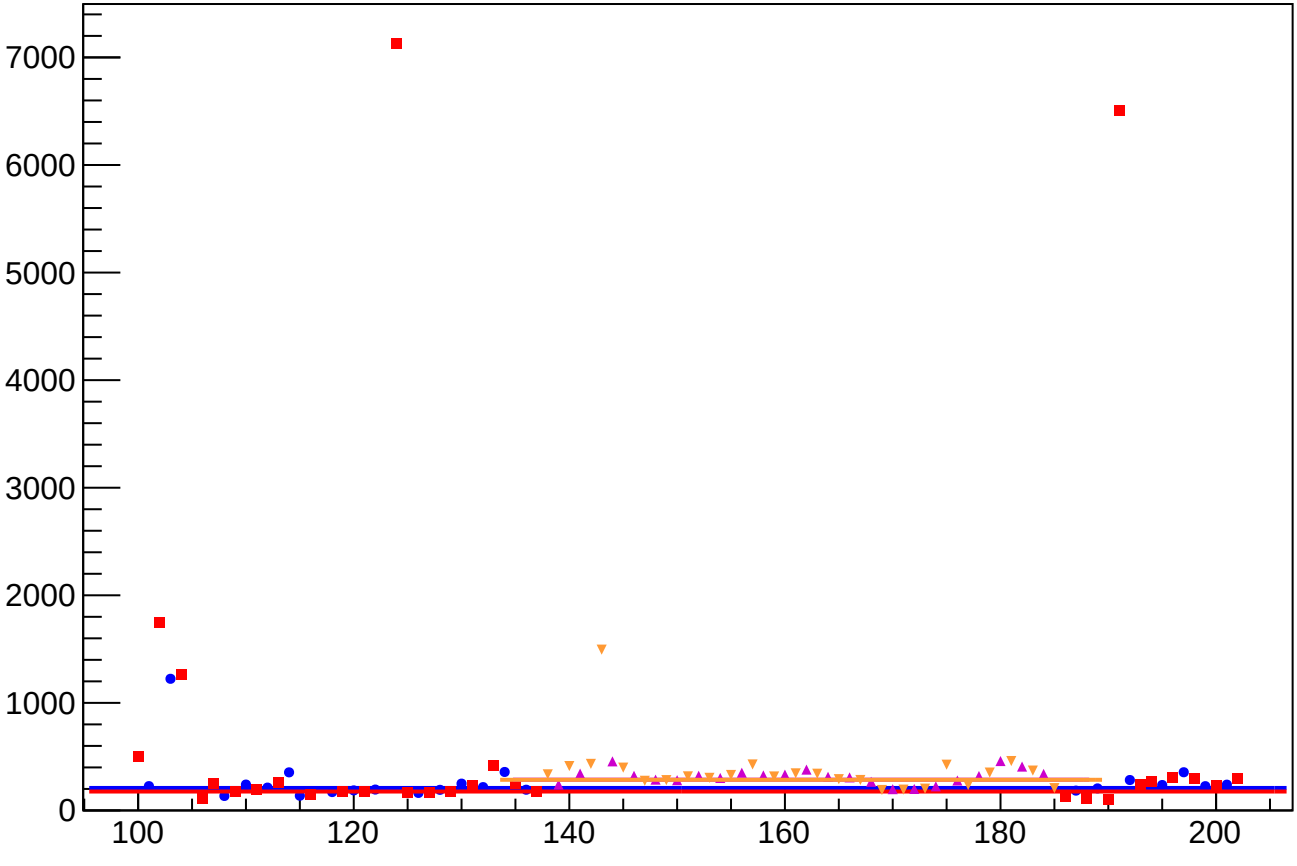
Right: 0.013+/-0.041 χ^2/NDF: 46.4/51

In: -0.073+/-0.047 χ^2/NDF:46.7/45

Out: 0.044+/-0.042 χ^2/NDF:57.2/53

All: -0.008+/-0.032 χ^2/NDF: 107.3/99

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 209.127+/-0.045 χ^2/NDF: 1927726.1/22

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 175.956+/-0.038 χ^2/NDF: 5060429.4/28

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

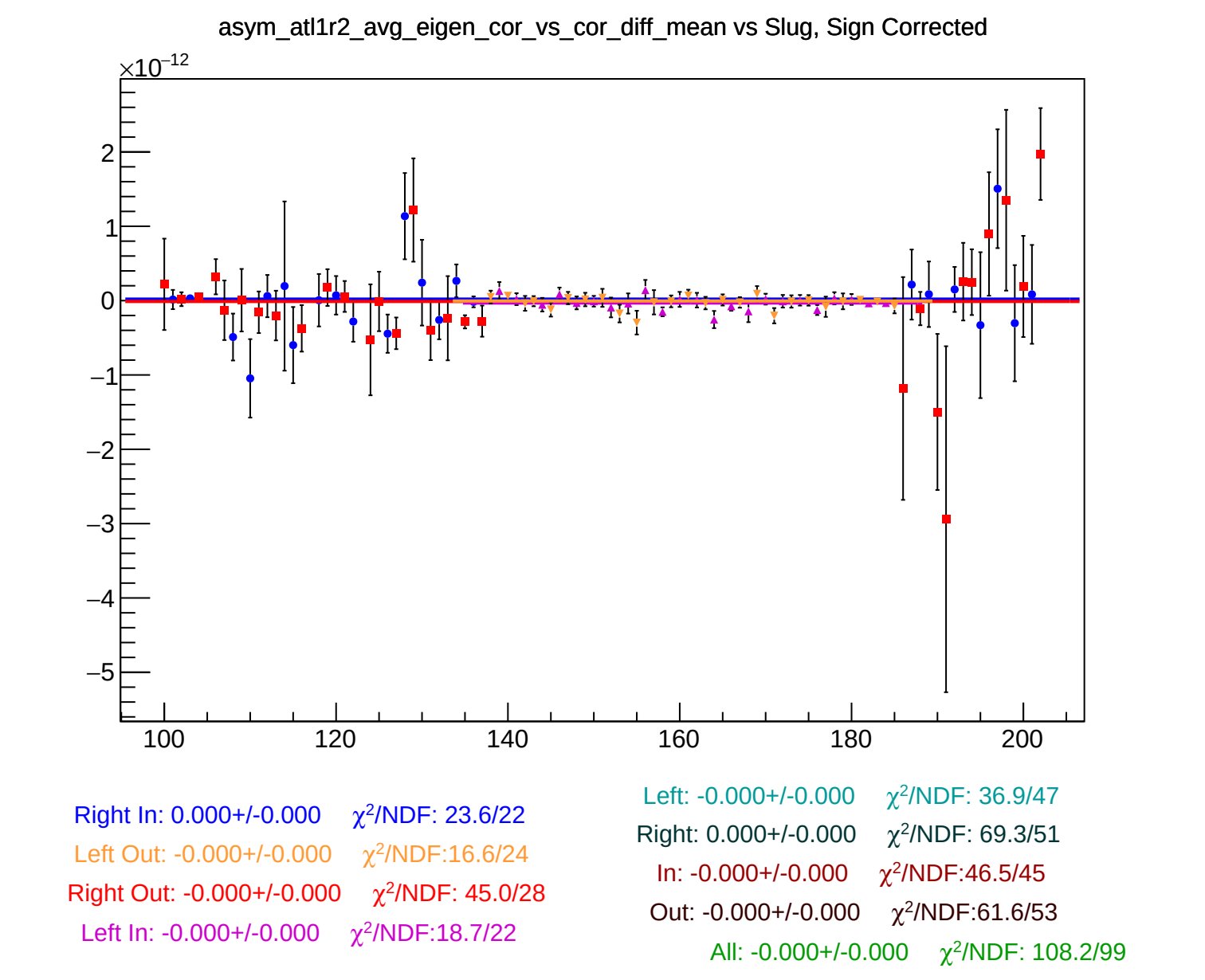
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

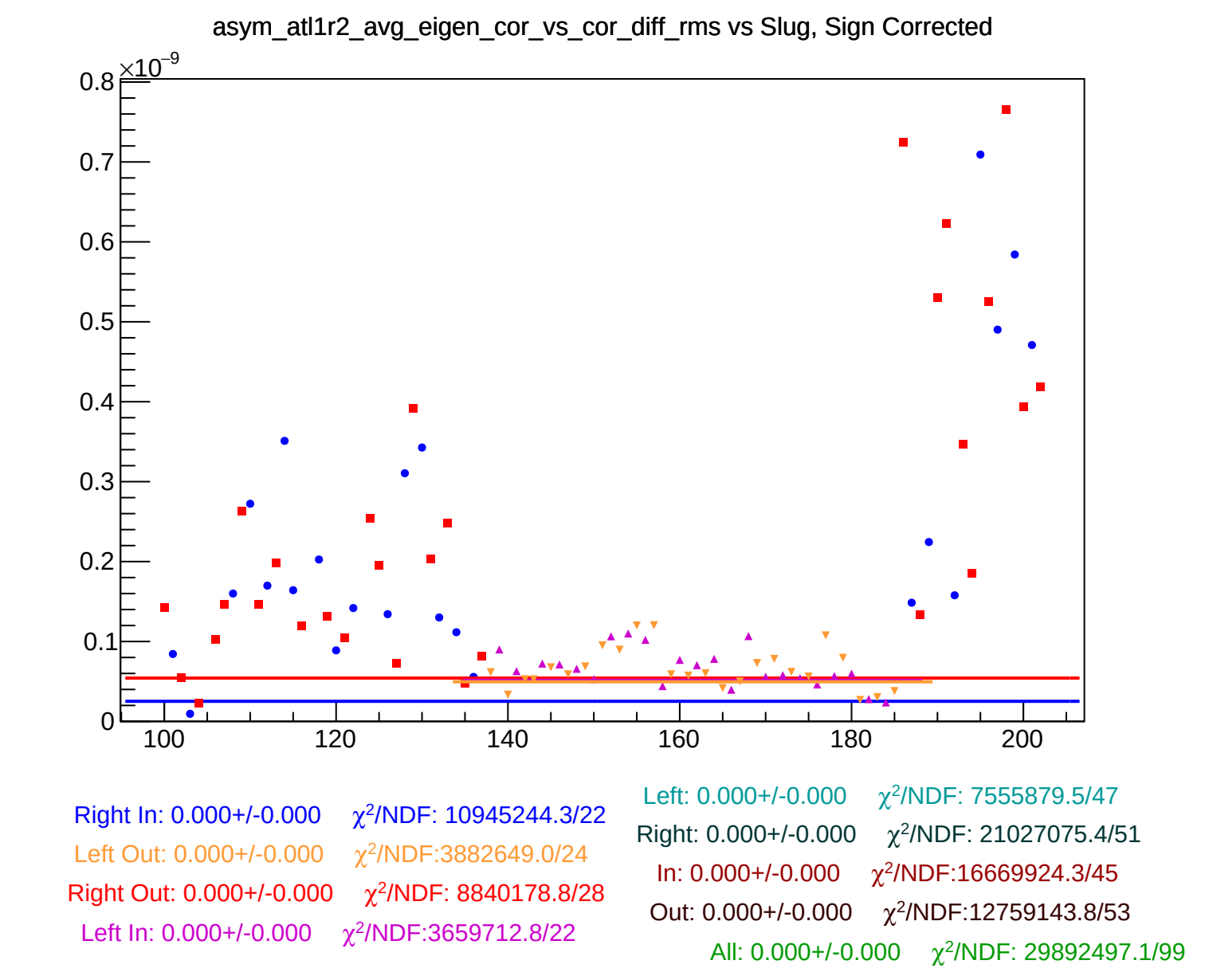
Right: 189.579+/-0.029 χ^2/NDF: 7304313.7/51

In: 243.871+/-0.034 χ^2/NDF:4972503.0/45

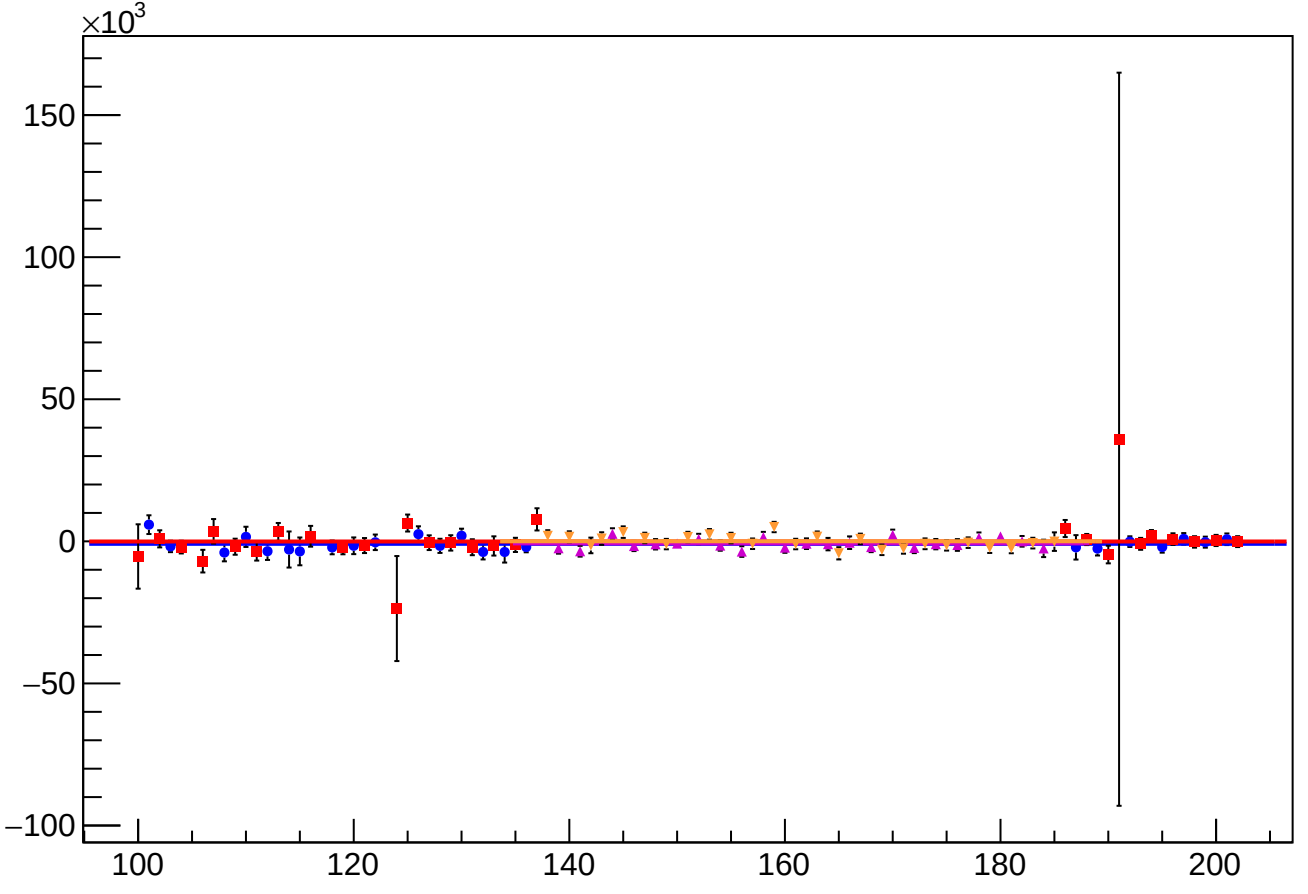
Out: 216.279+/-0.030 χ^2/NDF:11544627.9/53

All: 228.565+/-0.022 χ^2/NDF: 16893381.7/99


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.6/22
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 45.0/28
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 69.3/51
In: -0.000+/-0.000 χ²/NDF:46.5/45
Out: -0.000+/-0.000 χ²/NDF:61.6/53
All: -0.000+/-0.000 χ²/NDF: 108.2/99


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
Right In: 0.000+/-0.000 χ²/NDF: 10945244.3/22
Left Out: 0.000+/-0.000 χ²/NDF:3882649.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 8840178.8/28
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: 21027075.4/51
In: 0.000+/-0.000 χ²/NDF:16669924.3/45
Out: 0.000+/-0.000 χ²/NDF:12759143.8/53
All: 0.000+/-0.000 χ²/NDF: 29892497.1/99

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -872.094+/-528.044 χ^2/NDF: 14.9/22

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -50.101+/-500.054 χ^2/NDF: 26.6/28

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

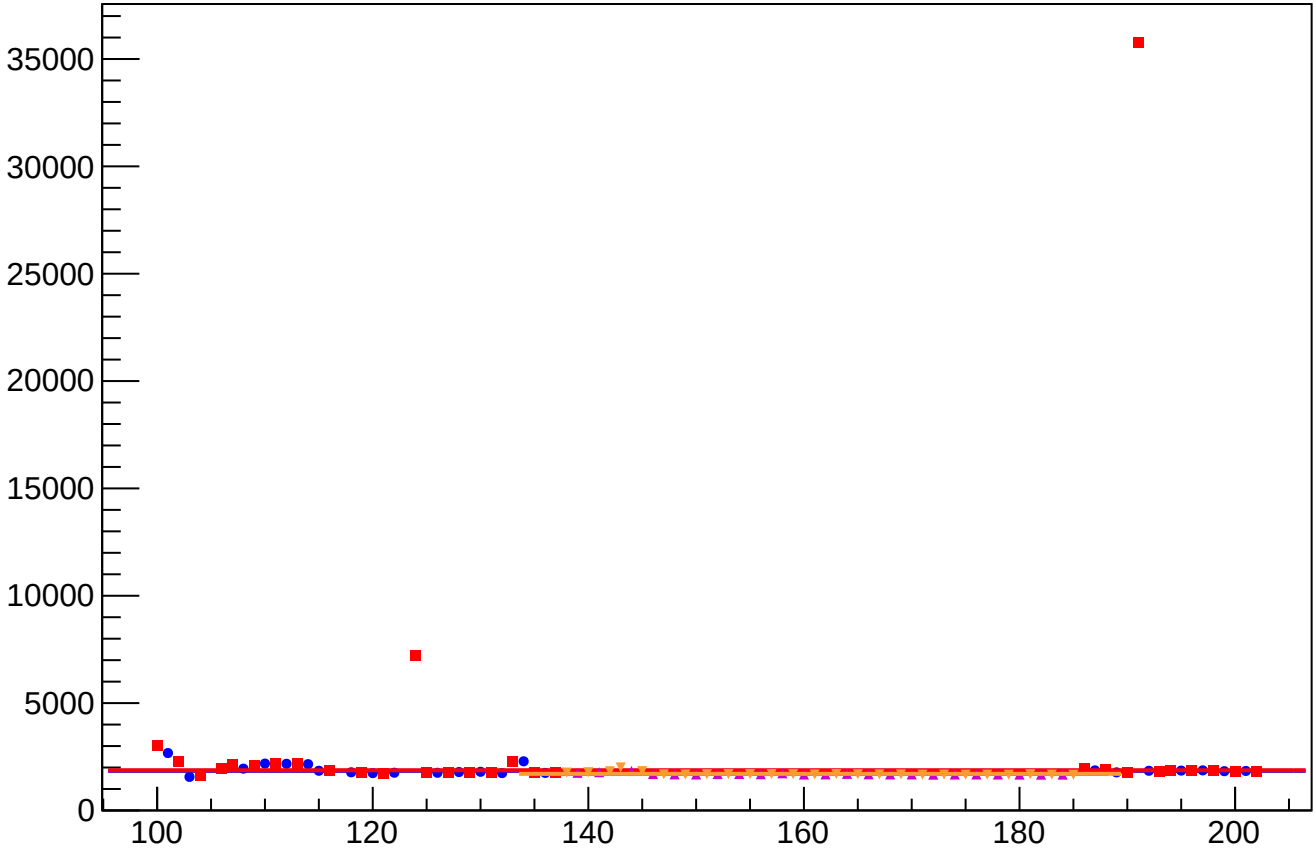
Right: -438.735+/-363.083 χ^2/NDF: 42.8/51

In: -774.510+/-317.039 χ^2/NDF:34.0/45

Out: -4.376+/-306.413 χ^2/NDF:56.1/53

All: -376.320+/-220.328 χ^2/NDF: 93.1/99

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1846.675+/-0.373 χ^2/NDF: 262348.1/22

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1871.479+/-0.353 χ^2/NDF: 513840.3/28

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

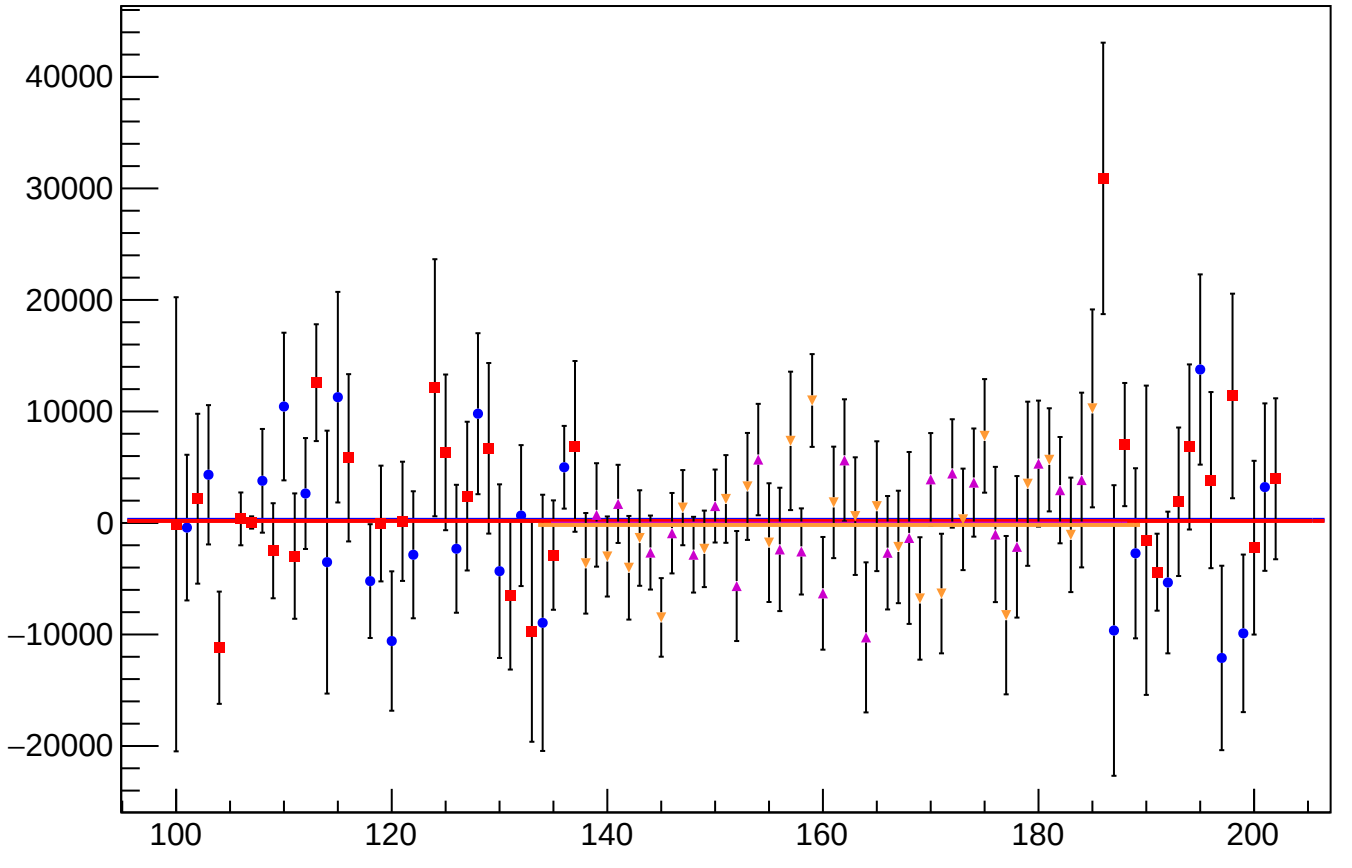
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1859.766+/-0.257 χ^2/NDF: 778517.5/51

In: 1751.284+/-0.224 χ^2/NDF:385553.2/45

Out: 1767.995+/-0.217 χ^2/NDF:711356.3/53

All: 1759.928+/-0.156 χ^2/NDF: 1099783.8/99



Right In: 279.797+/-1339.678 χ^2/NDF: 22.6/22

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 180.628+/-491.264 χ^2/NDF: 30.6/28

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

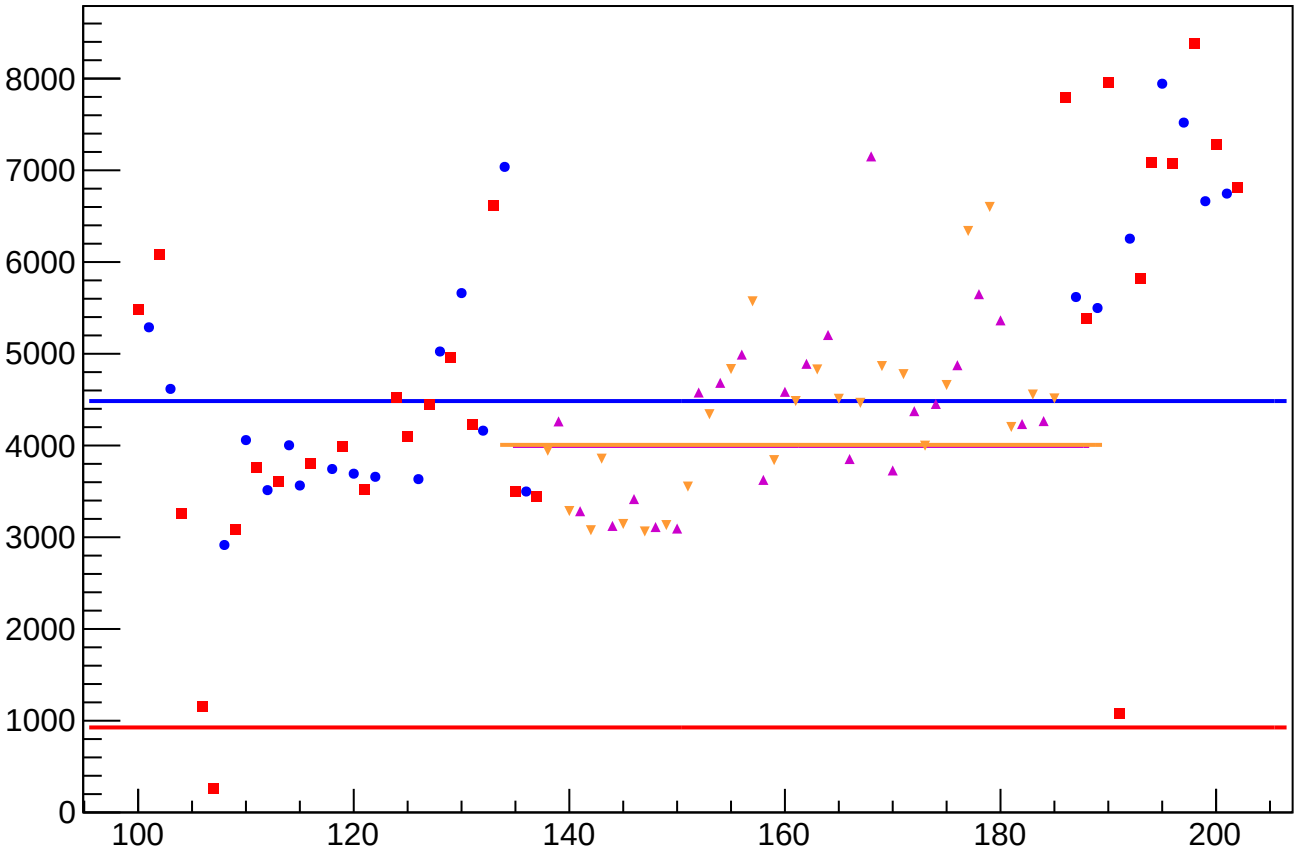
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 192.383+/-461.230 χ^2/NDF: 53.2/51

In: 57.066+/-778.389 χ^2/NDF:36.9/45

Out: 103.542+/-434.904 χ^2/NDF:58.7/53

All: 92.485+/-379.663 χ^2/NDF: 95.6/99



Right In: 4484.550+/-0.947 χ^2/NDF: 2003982.2/22

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 926.667+/-0.347 χ^2/NDF: 21121872.2/28

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

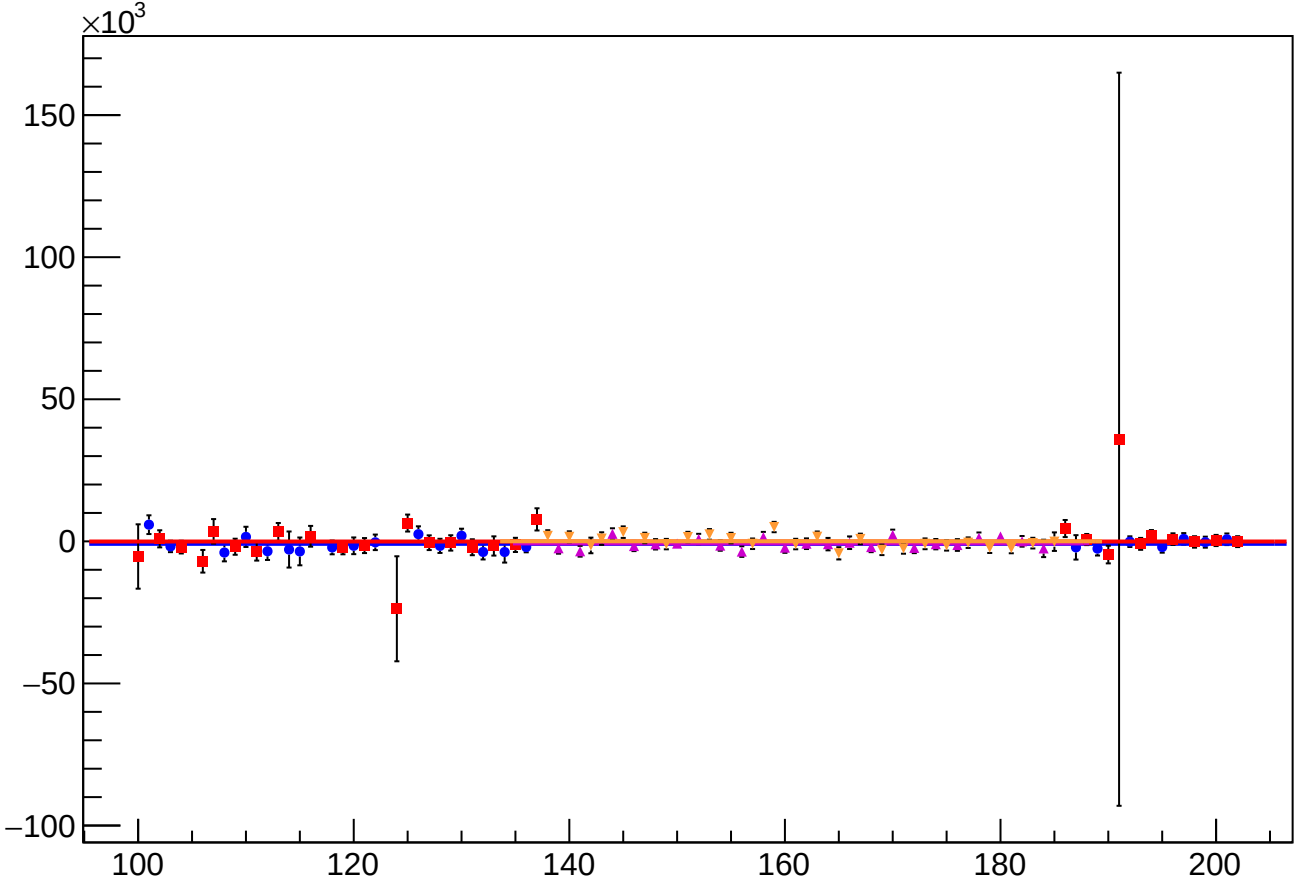
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1348.390+/-0.326 χ^2/NDF: 35560097.0/51

In: 4160.251+/-0.550 χ^2/NDF:3719024.9/45

Out: 1592.905+/-0.308 χ^2/NDF:39632523.4/53

All: 2203.687+/-0.268 χ^2/NDF: 59932711.4/9



Right In: -871.854+/-528.044 χ^2/NDF: 14.9/22

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -50.262+/-500.054 χ^2/NDF: 26.6/28

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

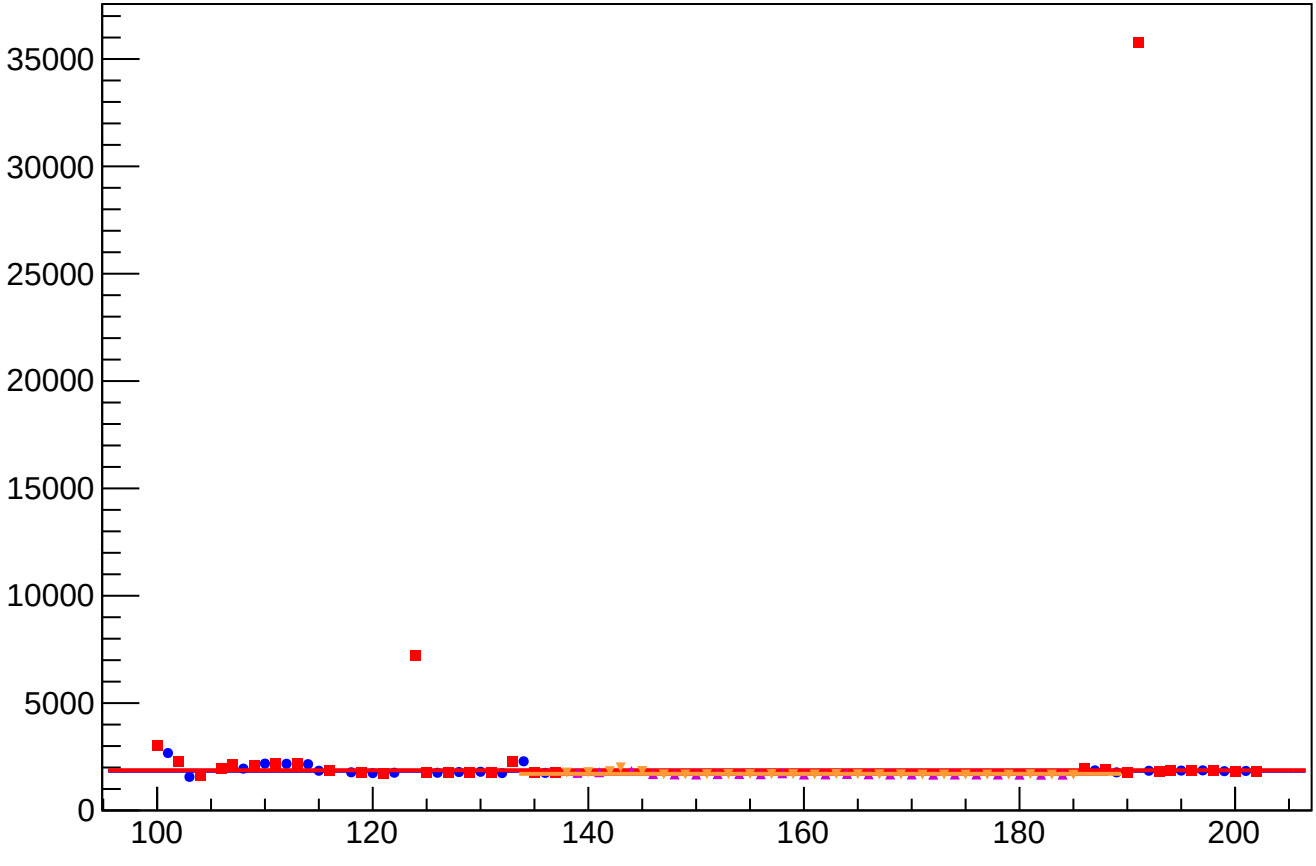
Right: -438.707+/-363.084 χ^2/NDF: 42.8/51

In: -774.345+/-317.039 χ^2/NDF:34.0/45

Out: -4.392+/-306.413 χ^2/NDF:56.1/53

All: -376.249+/-220.328 χ^2/NDF: 93.2/99

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1846.675+/-0.373 χ^2/NDF: 262347.2/22

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1871.705+/-0.353 χ^2/NDF: 514126.5/28

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

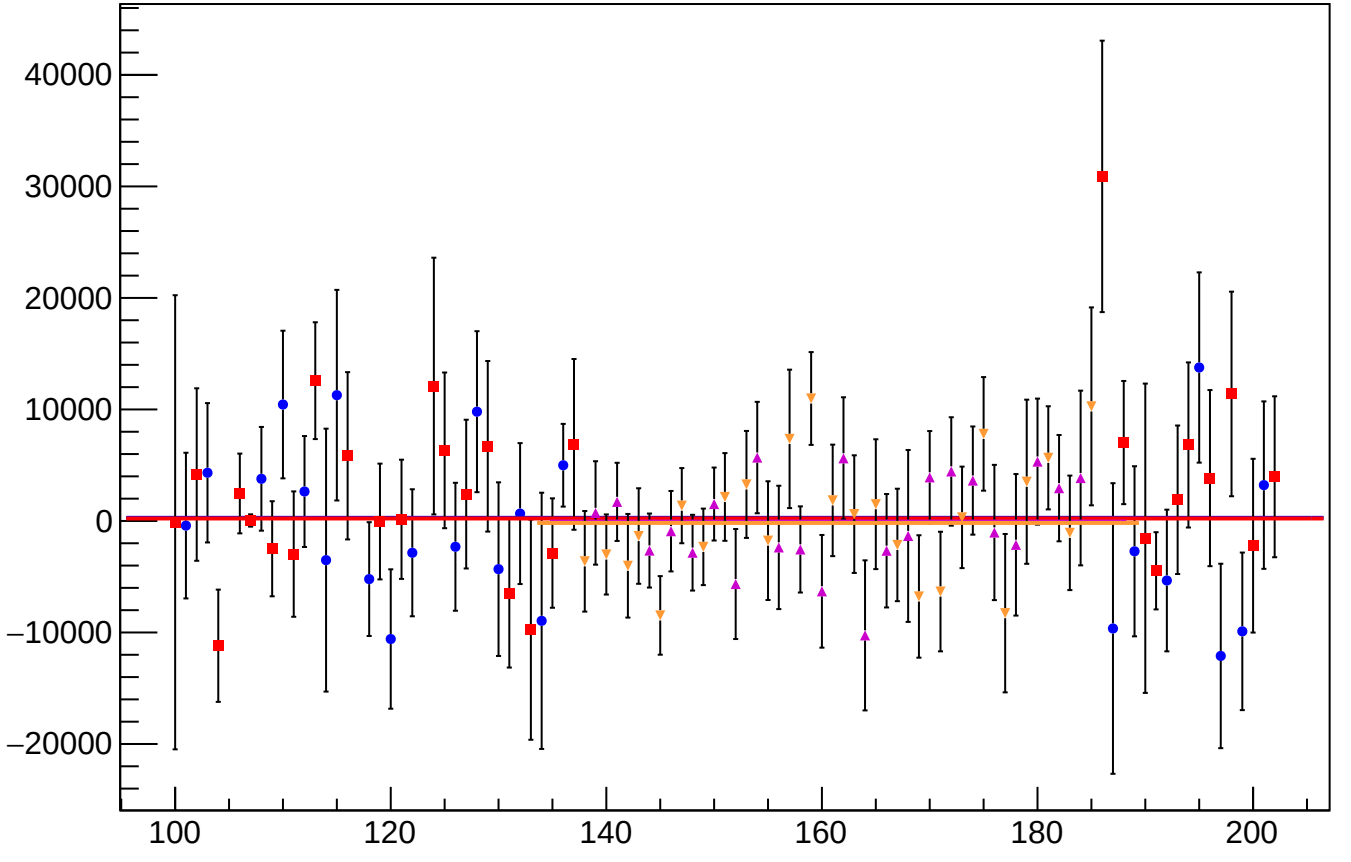
Right: 1859.884+/-0.257 χ^2/NDF: 778845.3/51

In: 1751.284+/-0.224 χ^2/NDF:385552.7/45

Out: 1768.072+/-0.217 χ^2/NDF:711998.6/53

All: 1759.967+/-0.156 χ^2/NDF: 1100451.7/99

asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 279.767+/-1339.682 χ^2/NDF: 22.6/22

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 223.466+/-497.335 χ^2/NDF: 31.2/28

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

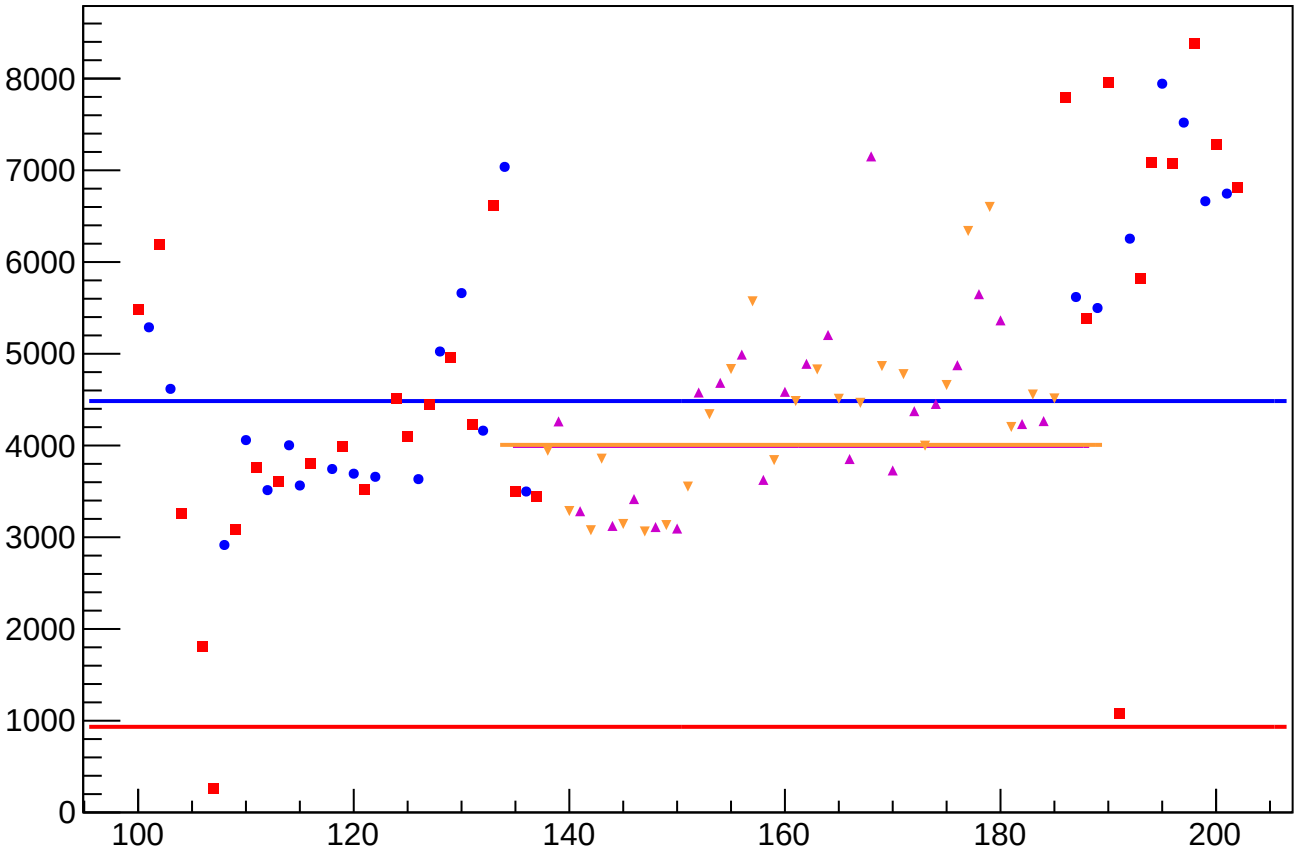
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 230.285+/-466.244 χ^2/NDF: 53.8/51

In: 57.102+/-778.390 χ^2/NDF:36.9/45

Out: 135.445+/-439.099 χ^2/NDF:59.3/53

All: 116.533+/-382.444 χ^2/NDF: 96.2/99



Right In: 4484.561+/-0.947 χ^2/NDF: 2003996.2/22

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 933.403+/-0.352 χ^2/NDF: 21236201.7/28

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

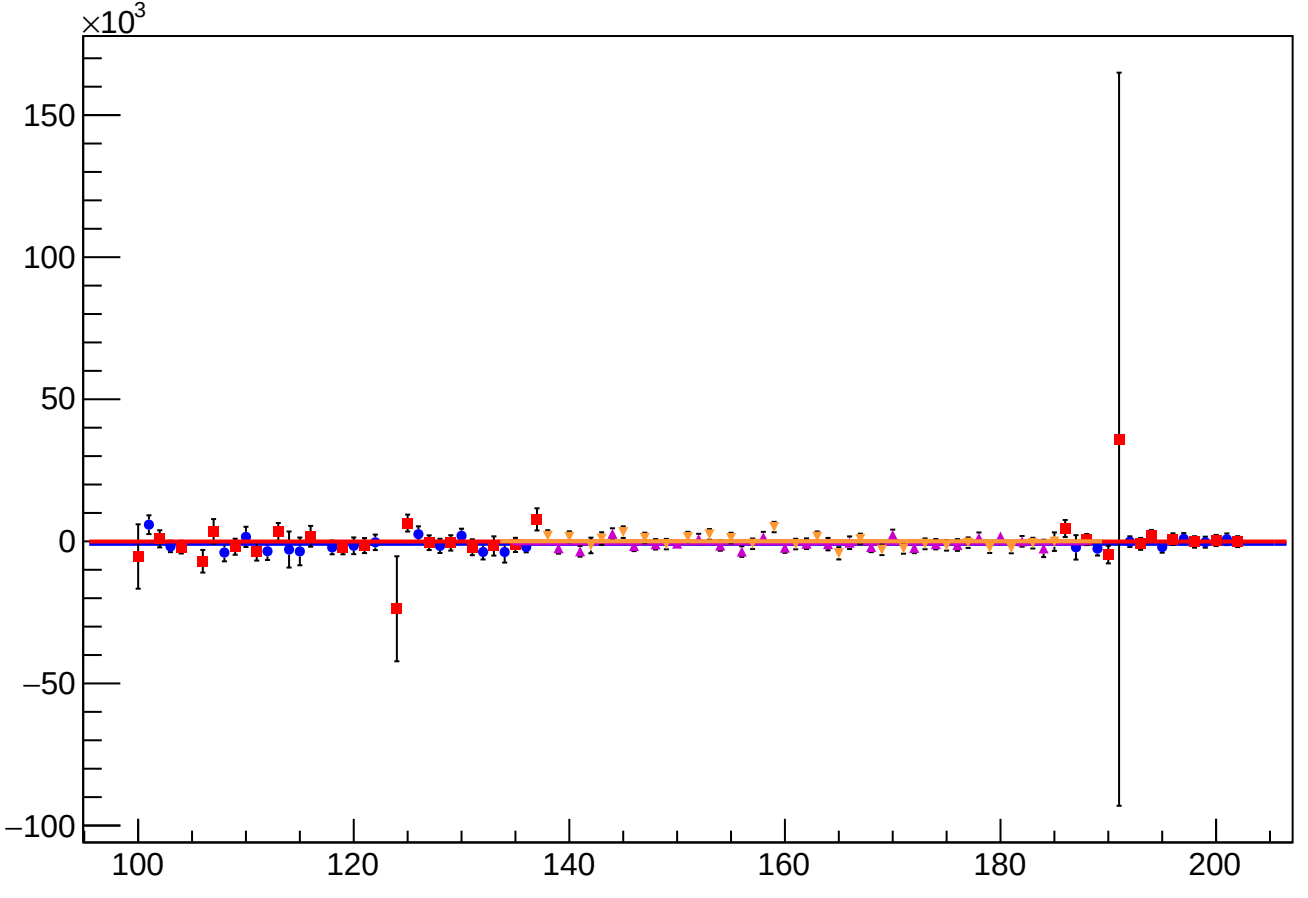
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1363.527+/-0.330 χ^2/NDF: 35591003.5/51

In: 4160.253+/-0.550 χ^2/NDF:3719030.1/45

Out: 1611.072+/-0.310 χ^2/NDF:39581934.9/53

All: 2226.451+/-0.270 χ^2/NDF: 59573246.2/9



Right In: -871.854+/-528.044 χ^2/NDF: 14.9/22

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -50.262+/-500.054 χ^2/NDF: 26.6/28

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

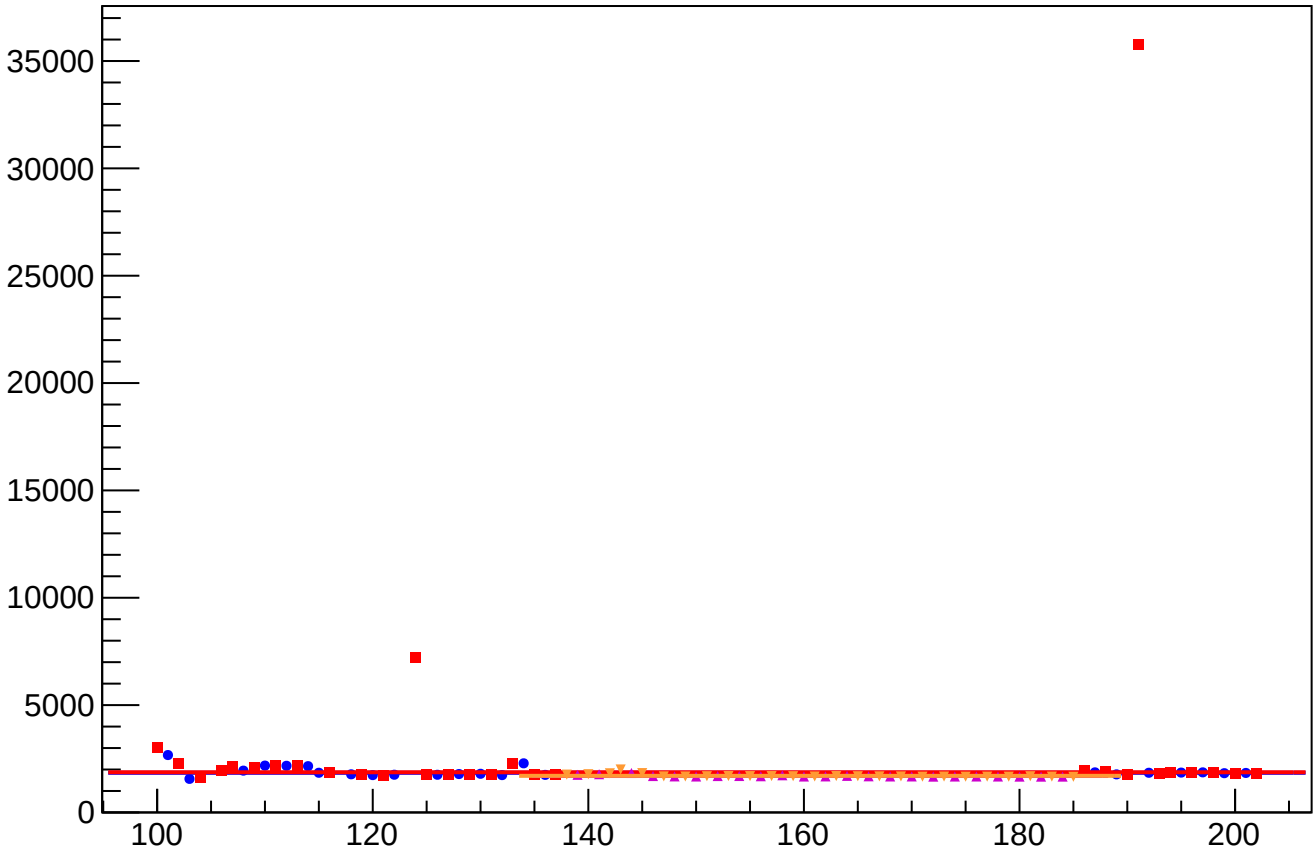
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -438.707+/-363.084 χ^2/NDF: 42.8/51

In: -774.345+/-317.039 χ^2/NDF:34.0/45

Out: -4.392+/-306.413 χ^2/NDF:56.1/53

All: -376.249+/-220.328 χ^2/NDF: 93.2/99



Right In: 1846.675+/-0.373 χ^2/NDF: 262347.2/22

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1871.705+/-0.353 χ^2/NDF: 514126.5/28

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

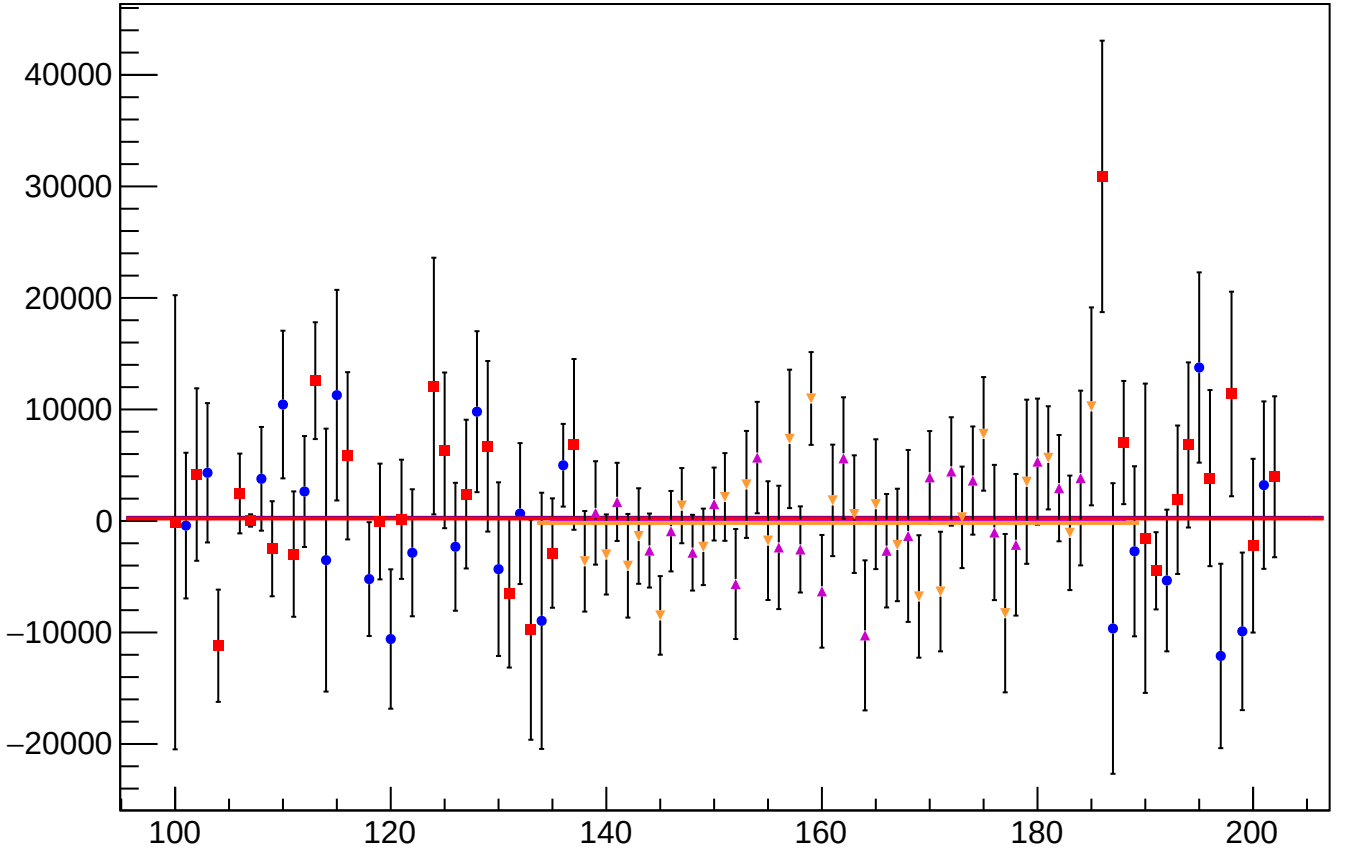
Right: 1859.884+/-0.257 χ^2/NDF: 778845.3/51

In: 1751.284+/-0.224 χ^2/NDF:385552.7/45

Out: 1768.072+/-0.217 χ^2/NDF:711998.6/53

All: 1759.967+/-0.156 χ^2/NDF: 1100451.7/99

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 279.767+/-1339.682 χ^2/NDF: 22.6/22

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 223.466+/-497.335 χ^2/NDF: 31.2/28

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

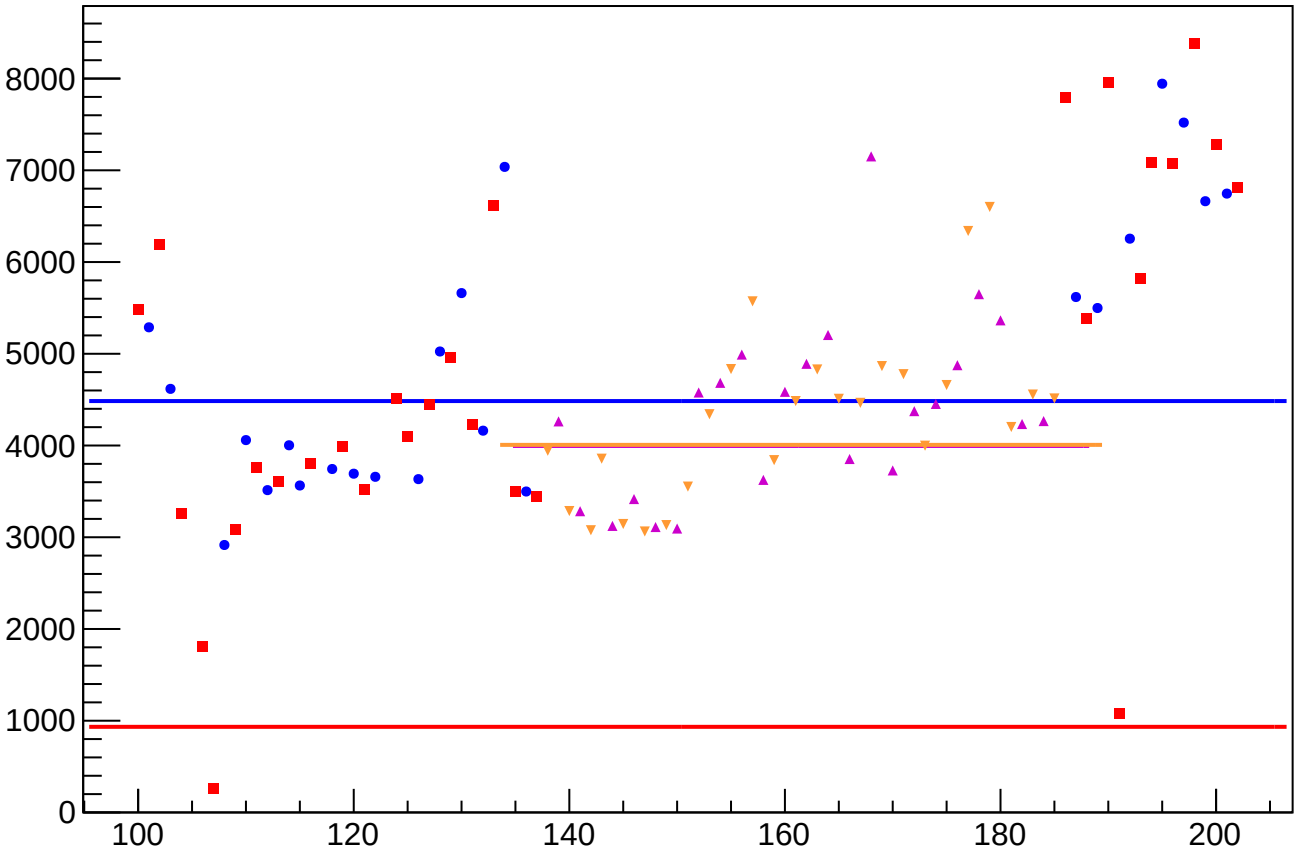
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 230.285+/-466.244 χ^2/NDF: 53.8/51

In: 57.102+/-778.390 χ^2/NDF:36.9/45

Out: 135.445+/-439.099 χ^2/NDF:59.3/53

All: 116.533+/-382.444 χ^2/NDF: 96.2/99



Right In: 4484.561+/-0.947 χ^2/NDF: 2003996.2/22

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 933.403+/-0.352 χ^2/NDF: 21236201.7/28

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

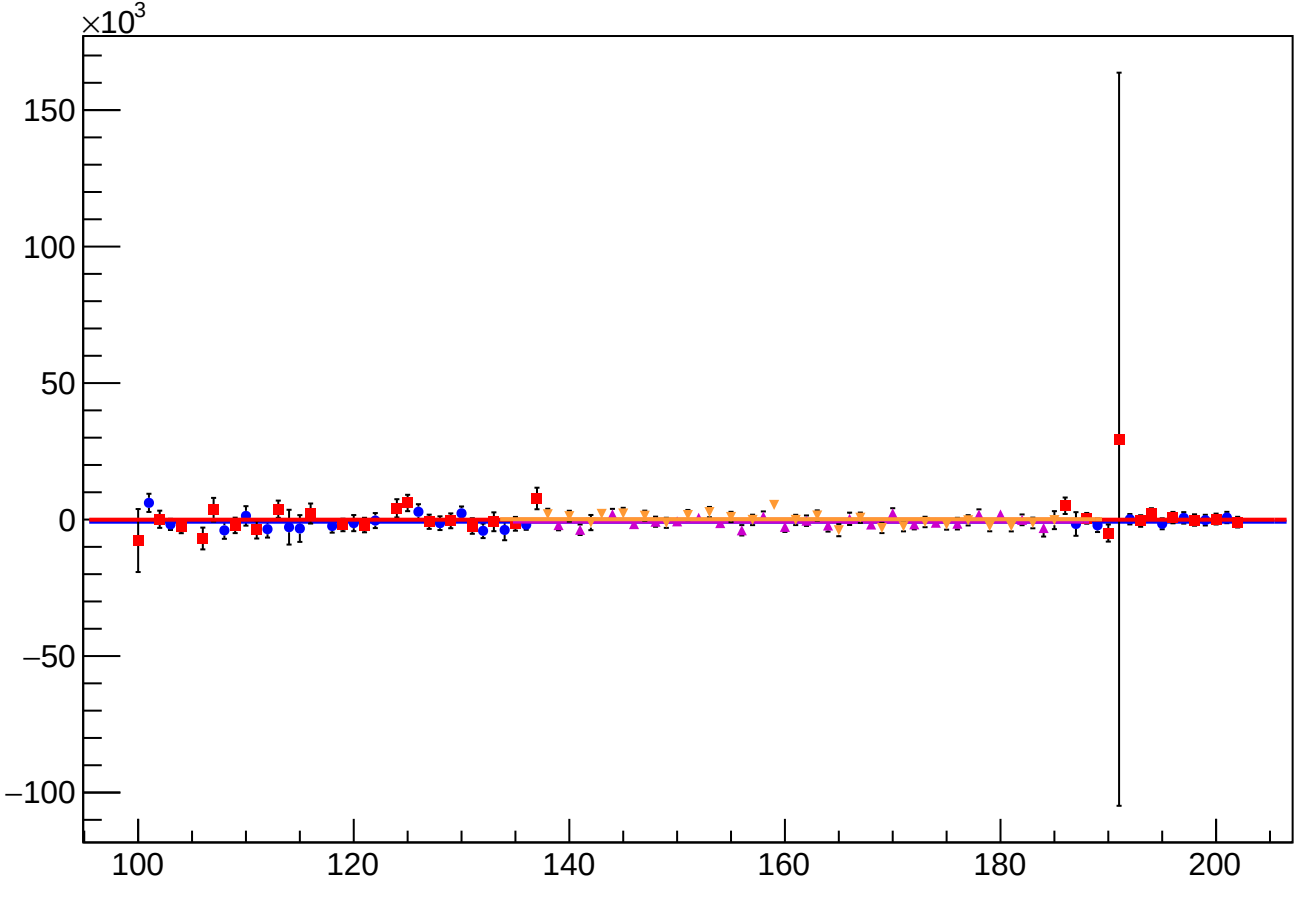
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1363.527+/-0.330 χ^2/NDF: 35591003.5/51

In: 4160.253+/-0.550 χ^2/NDF:3719030.1/45

Out: 1611.072+/-0.310 χ^2/NDF:39581934.9/53

All: 2226.451+/-0.270 χ^2/NDF: 59573246.2/9



Right In: -784.803+/-534.027 χ^2/NDF: 15.2/22

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -44.083+/-501.576 χ^2/NDF: 28.2/28

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

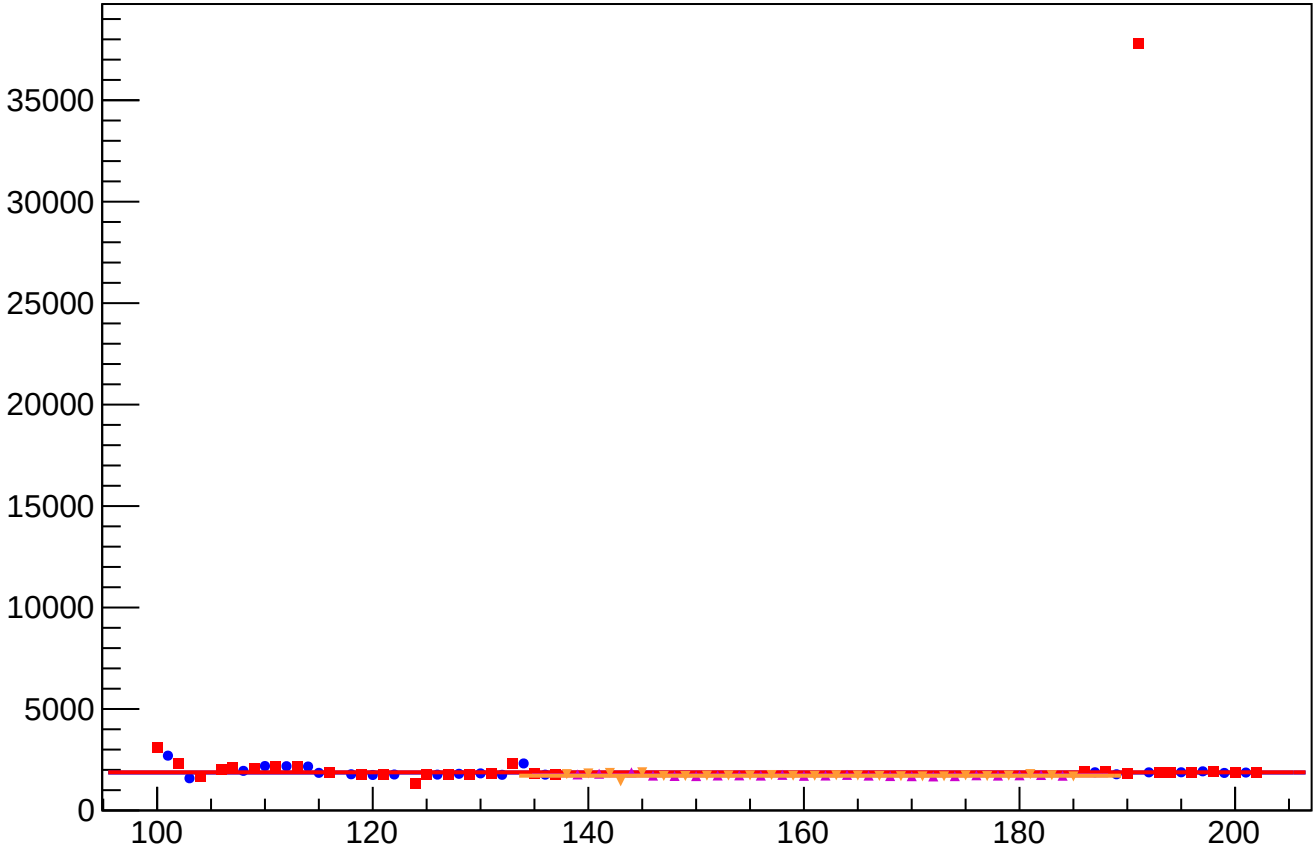
Right: -391.255+/-365.602 χ^2/NDF: 44.4/51

In: -757.073+/-322.271 χ^2/NDF:34.2/45

Out: 58.257+/-307.615 χ^2/NDF:58.0/53

All: -330.447+/-222.517 χ^2/NDF: 95.5/99

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1867.398+/-0.378 χ^2/NDF: 260627.1/22

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1879.685+/-0.355 χ^2/NDF: 409785.7/28

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

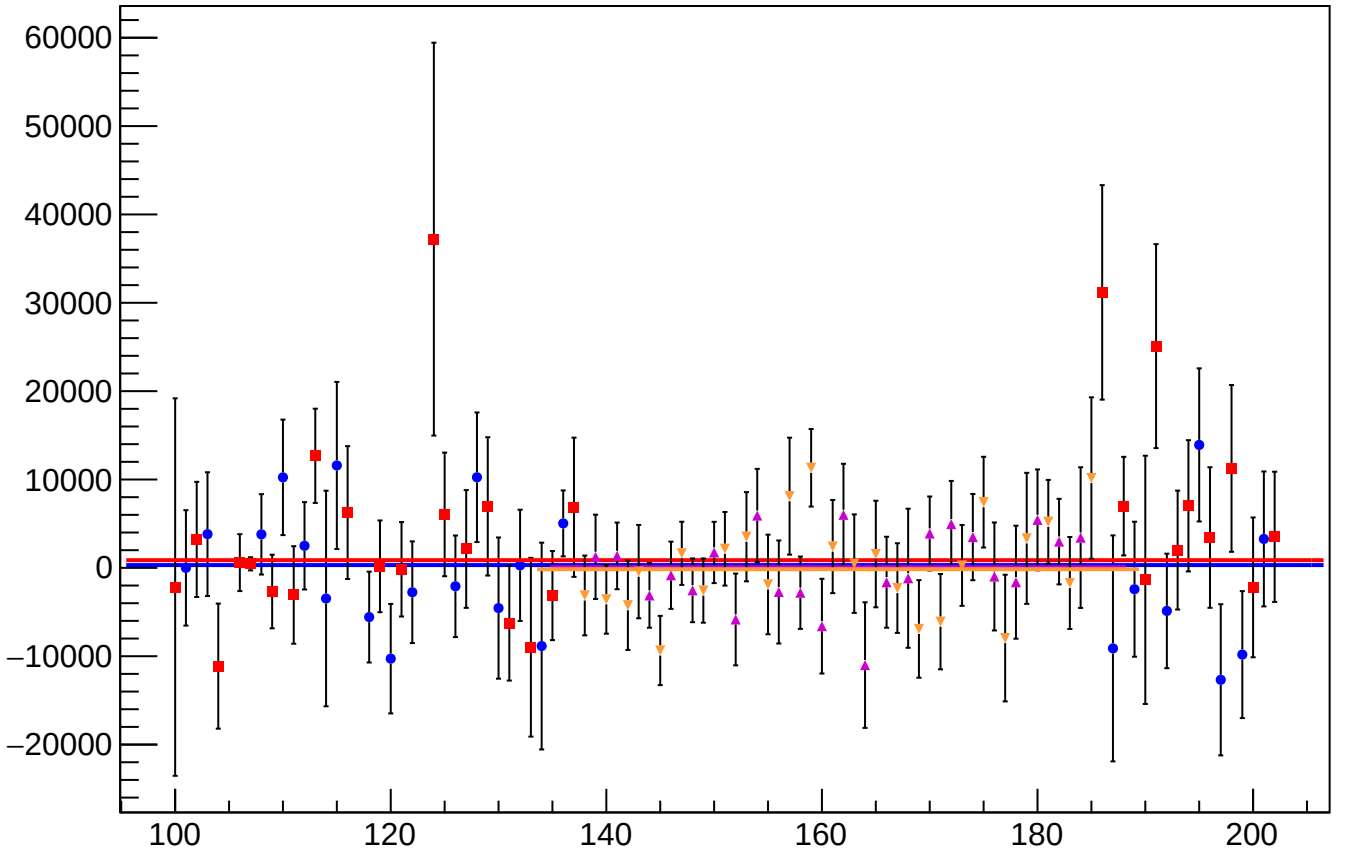
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1873.929+/-0.258 χ^2/NDF: 670975.5/51

In: 1780.255+/-0.228 χ^2/NDF:367463.0/45

Out: 1775.298+/-0.217 χ^2/NDF:643200.4/53

All: 1777.661+/-0.157 χ^2/NDF: 1010910.9/99



Right In: 315.292+/-1351.030 χ^2/NDF: 22.2/22

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 868.640+/-637.679 χ^2/NDF: 31.4/28

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

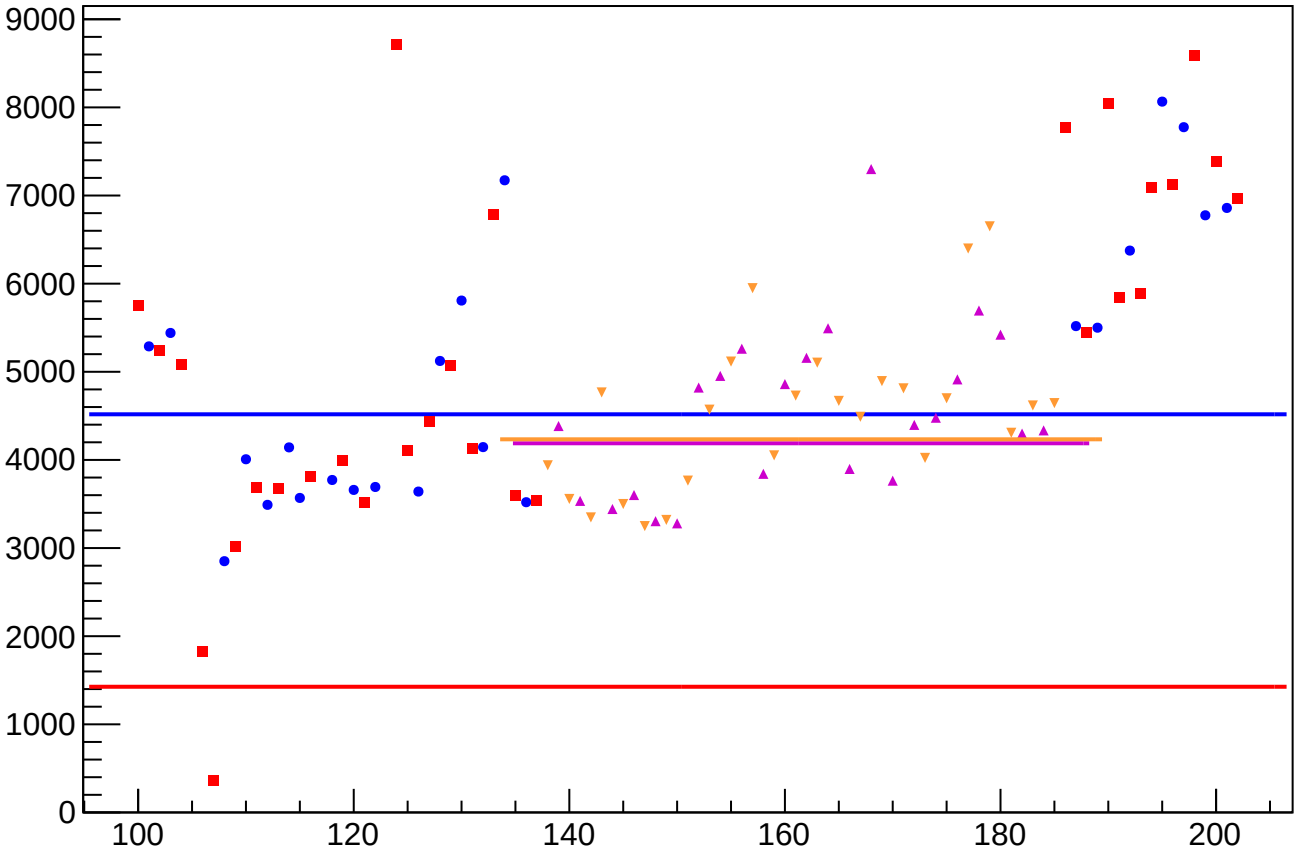
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 767.825+/-576.671 χ^2/NDF: 53.8/51

In: 153.711+/-803.830 χ^2/NDF:36.2/45

Out: 567.743+/-535.293 χ^2/NDF:59.1/53

All: 440.544+/-445.542 χ^2/NDF: 95.5/99



Right In: 4517.732+/-0.955 χ^2/NDF: 2158579.8/22

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1426.245+/-0.451 χ^2/NDF: 18931653.1/28

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

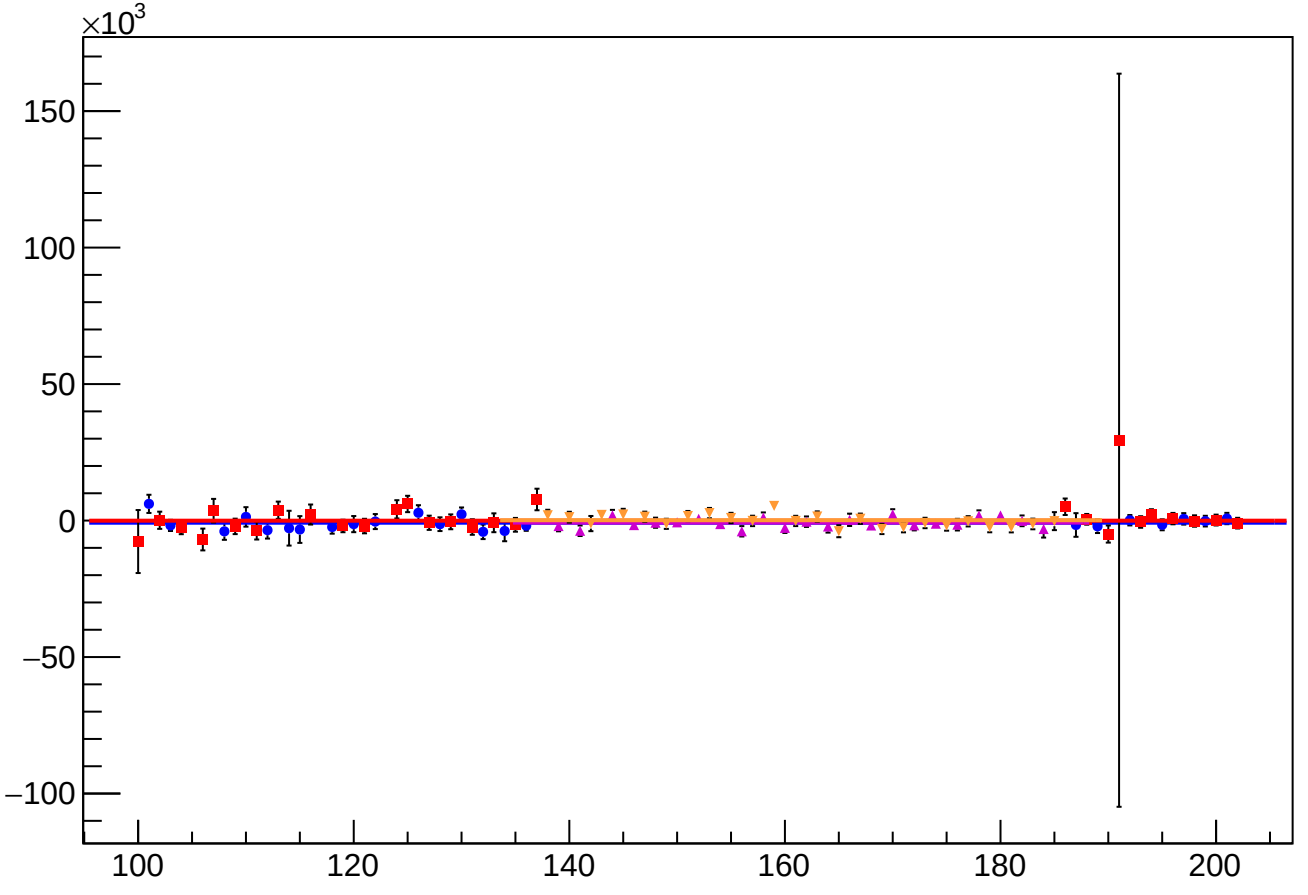
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1989.485+/-0.408 χ^2/NDF: 29654432.2/51

In: 4305.288+/-0.568 χ^2/NDF:3579733.0/45

Out: 2255.463+/-0.379 χ^2/NDF:31667331.4/53

All: 2885.211+/-0.315 χ^2/NDF: 44257190.5/9



Right In: -784.805+/-534.027 χ^2/NDF: 15.2/22

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -44.084+/-501.576 χ^2/NDF: 28.2/28

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

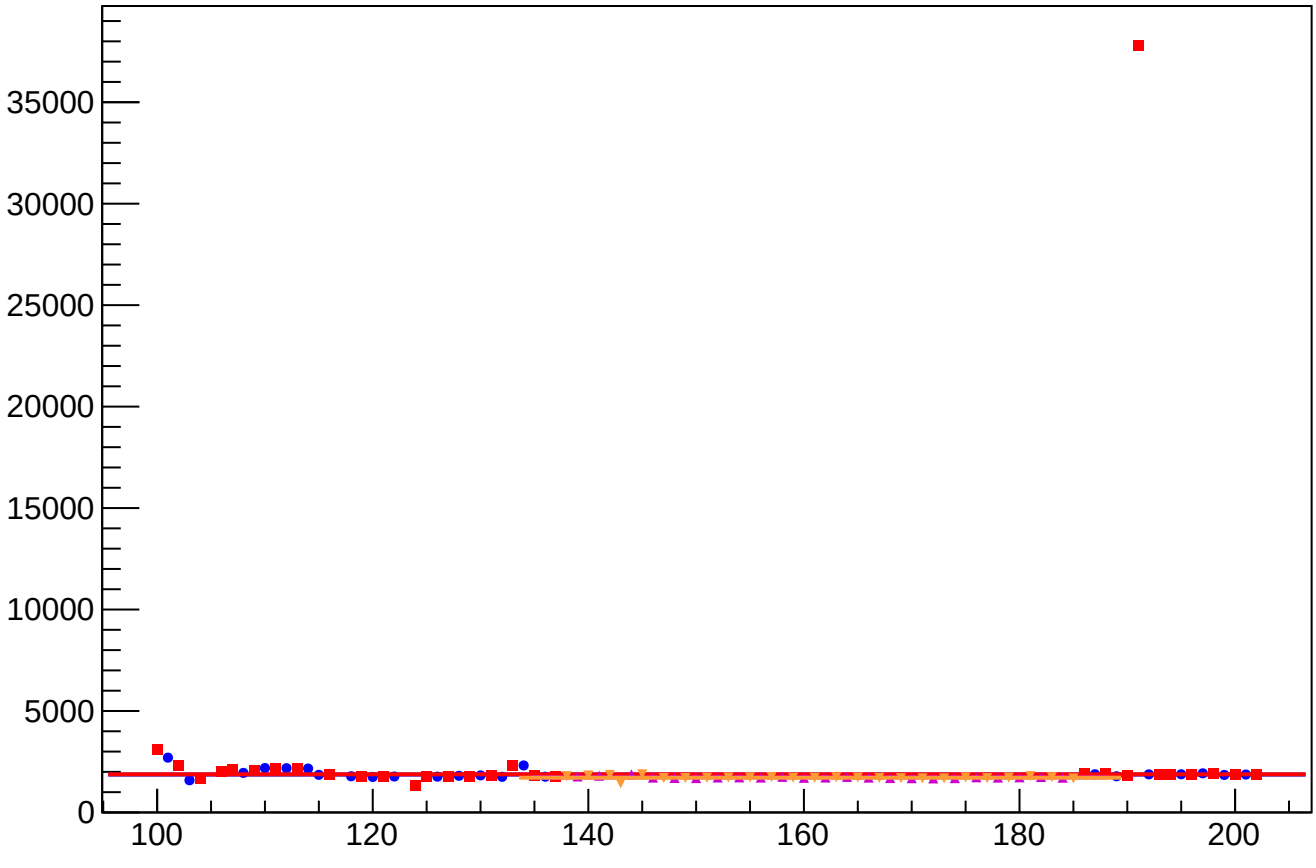
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -391.256+/-365.602 χ^2/NDF: 44.4/51

In: -757.073+/-322.271 χ^2/NDF:34.2/45

Out: 58.259+/-307.615 χ^2/NDF:58.0/53

All: -330.446+/-222.517 χ^2/NDF: 95.5/99



Right In: 1867.398+/-0.378 χ^2/NDF: 260627.0/22

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1879.685+/-0.355 χ^2/NDF: 409786.0/28

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

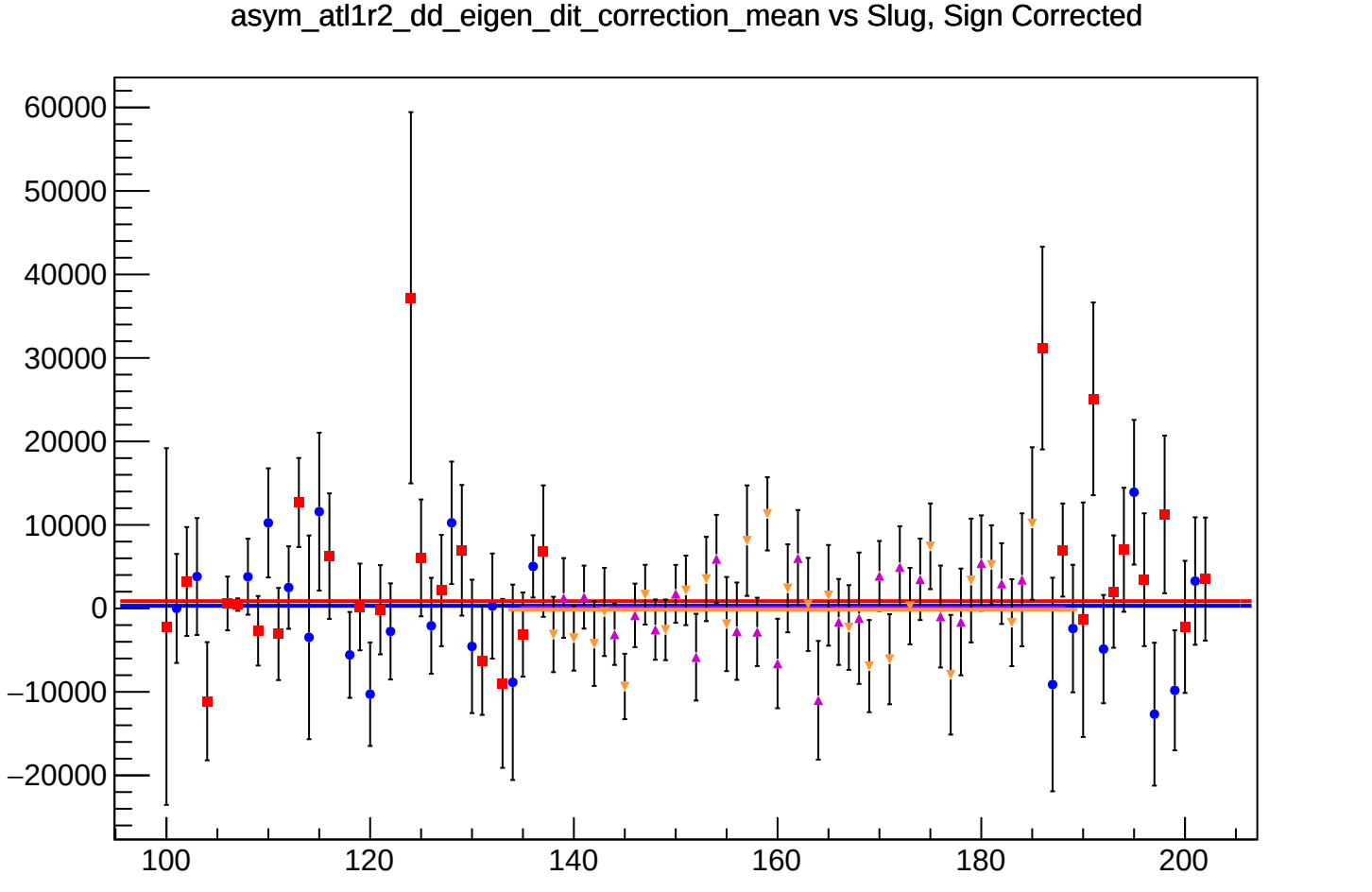
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1873.929+/-0.258 χ^2/NDF: 670975.8/51

In: 1780.255+/-0.228 χ^2/NDF:367462.1/45

Out: 1775.299+/-0.217 χ^2/NDF:643199.0/53

All: 1777.661+/-0.157 χ^2/NDF: 1010908.6/99



Right In: 315.279+/-1351.029 χ^2/NDF: 22.2/22

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 868.658+/-637.689 χ^2/NDF: 31.4/28

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

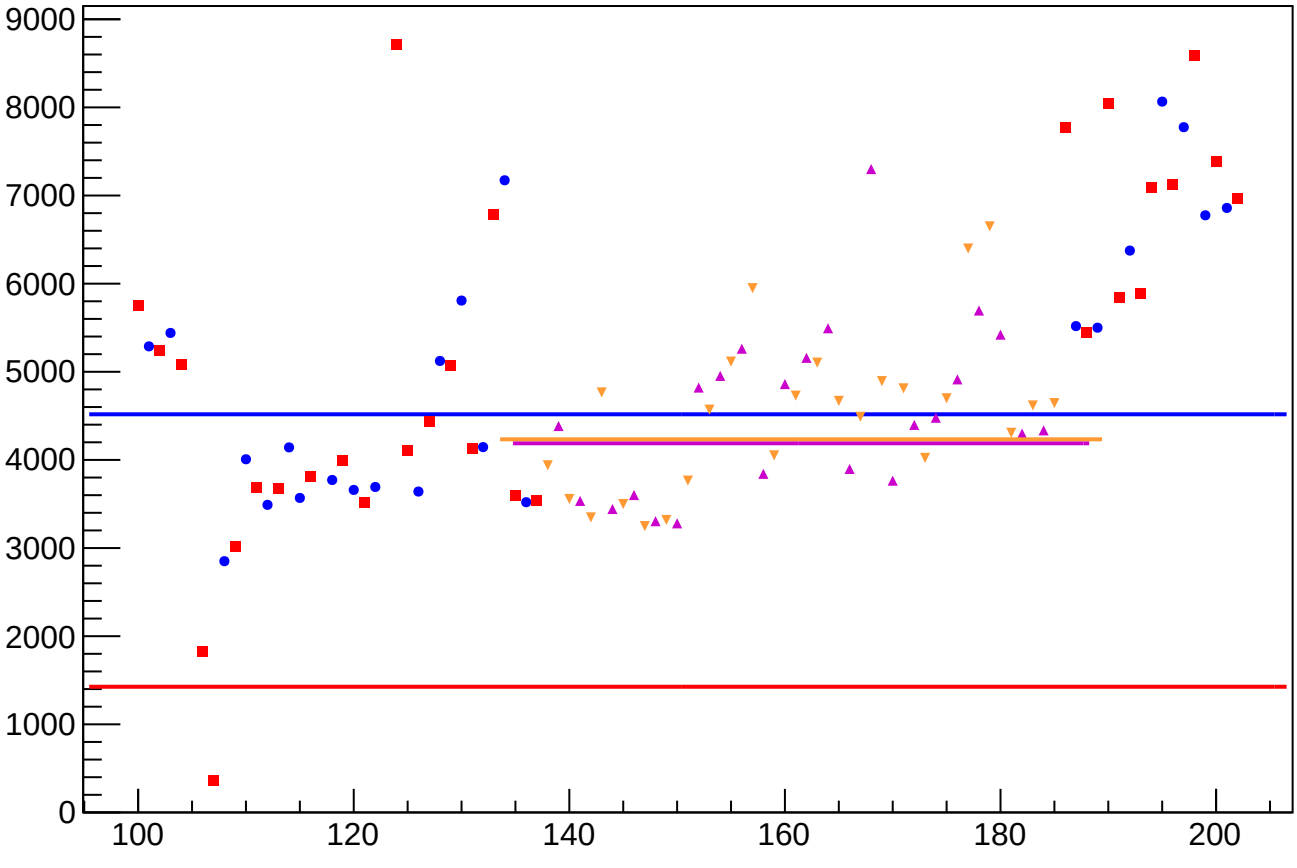
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 767.835+/-576.678 χ^2/NDF: 53.8/51

In: 153.708+/-803.830 χ^2/NDF:36.2/45

Out: 567.750+/-535.299 χ^2/NDF:59.1/53

All: 440.546+/-445.546 χ^2/NDF: 95.5/99



Right In: 4517.726+/-0.955 χ^2/NDF: 2158591.2/22

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1426.284+/-0.451 χ^2/NDF: 18931410.4/28

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

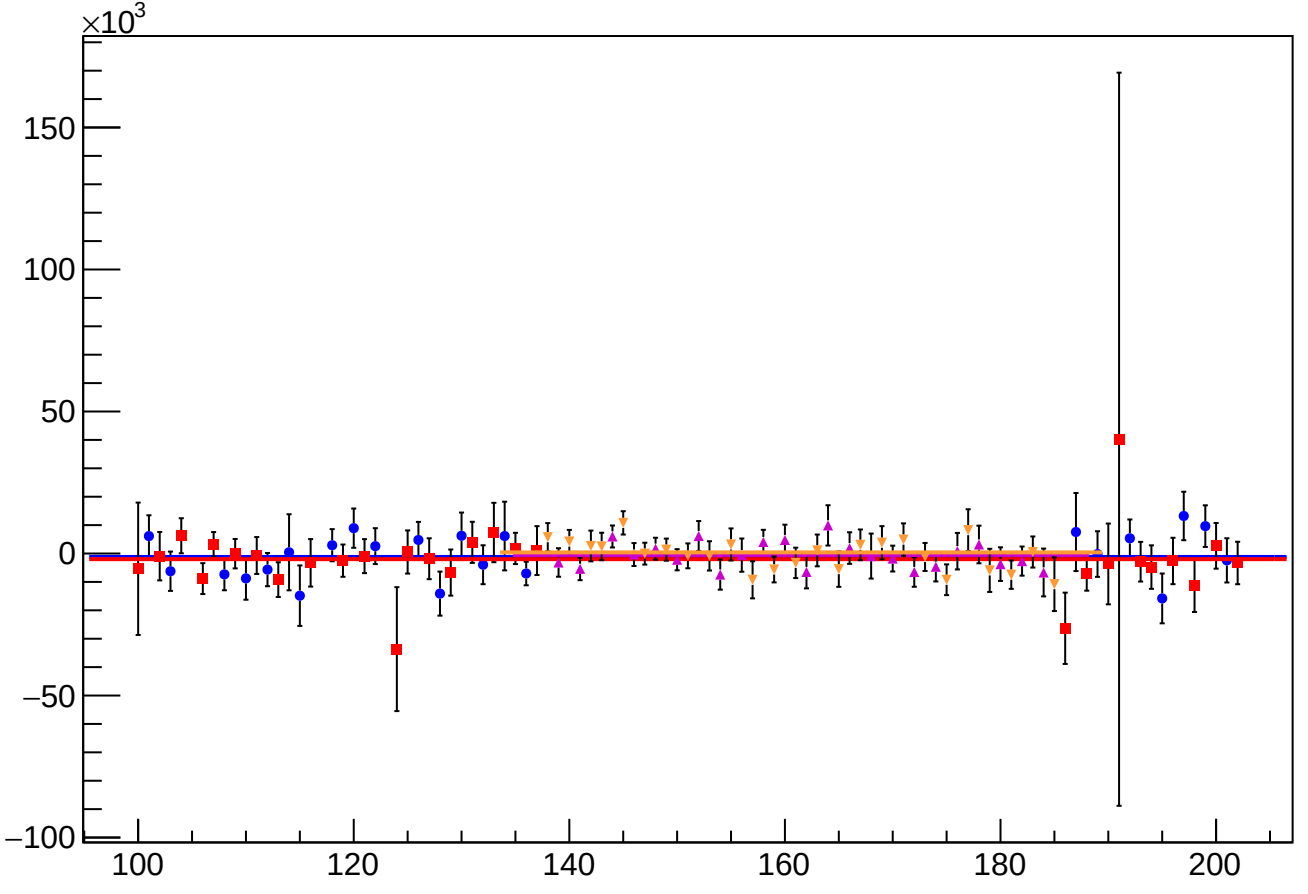
Right: 1989.531+/-0.408 χ^2/NDF: 29653917.1/51

In: 4305.290+/-0.568 χ^2/NDF:3579743.9/45

Out: 2255.509+/-0.379 χ^2/NDF:31666690.0/53

All: 2885.253+/-0.315 χ^2/NDF: 44256106.0/9

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1212.175+/-1478.087 χ^2/NDF: 25.3/22

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1983.016+/-1341.835 χ^2/NDF: 17.2/28

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

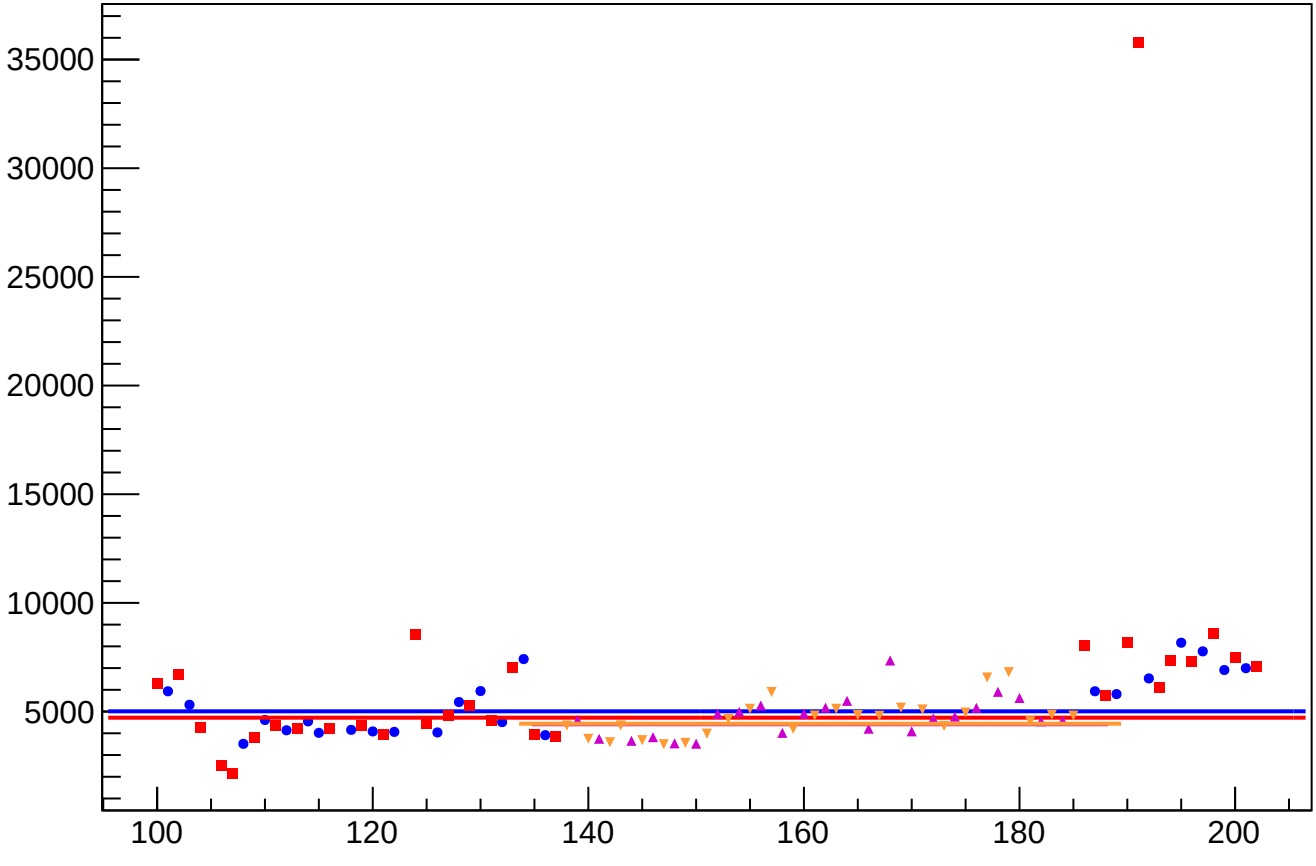
Right: -1634.754+/-993.506 χ^2/NDF: 42.6/51

In: -740.752+/-855.827 χ^2/NDF:42.8/45

Out: -482.881+/-816.260 χ^2/NDF:43.9/53

All: -605.718+/-590.676 χ^2/NDF: 86.7/99

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5011.420+/-1.045 χ^2/NDF: 1547783.8/22

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4717.763+/-0.942 χ^2/NDF: 3334134.9/28

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

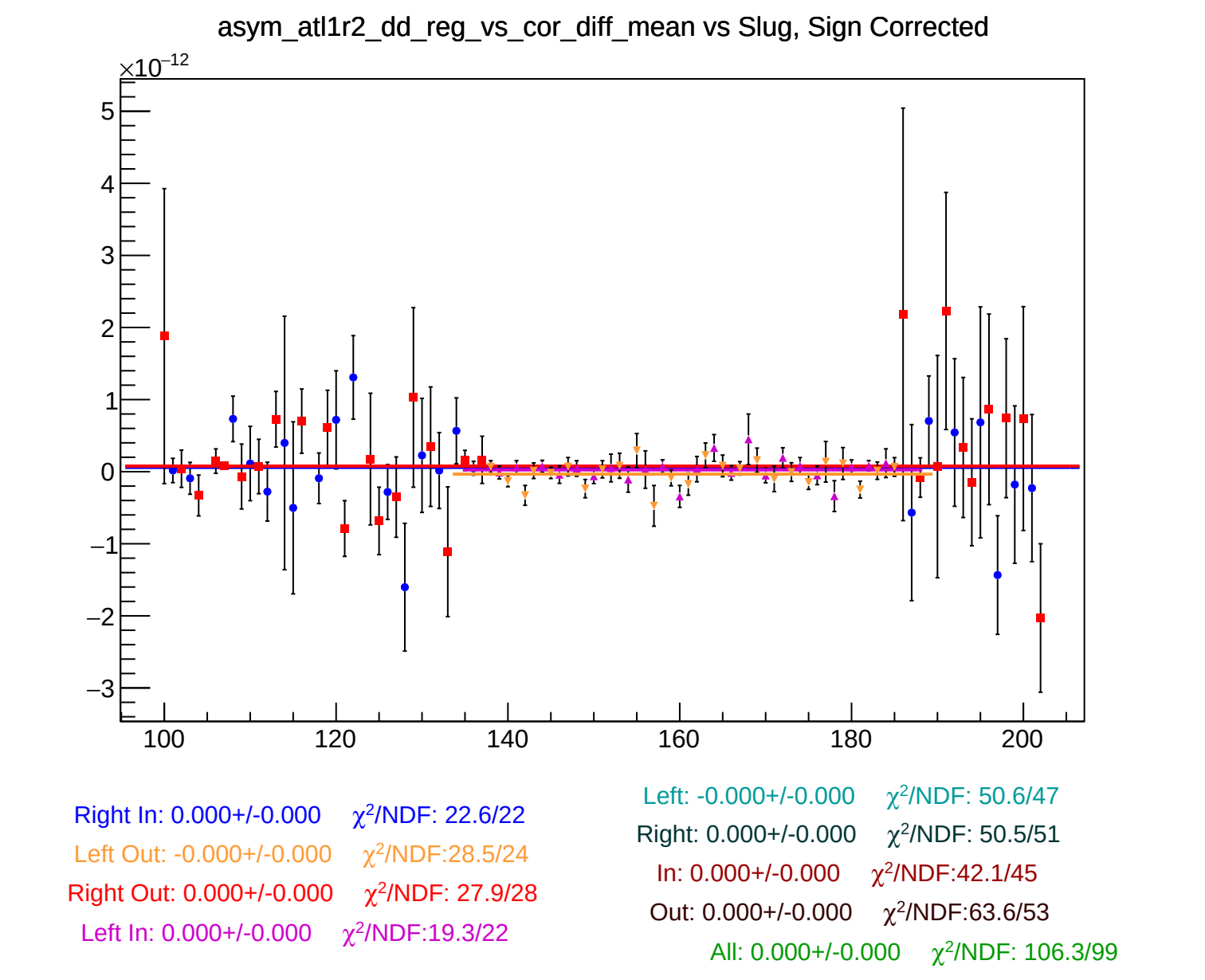
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

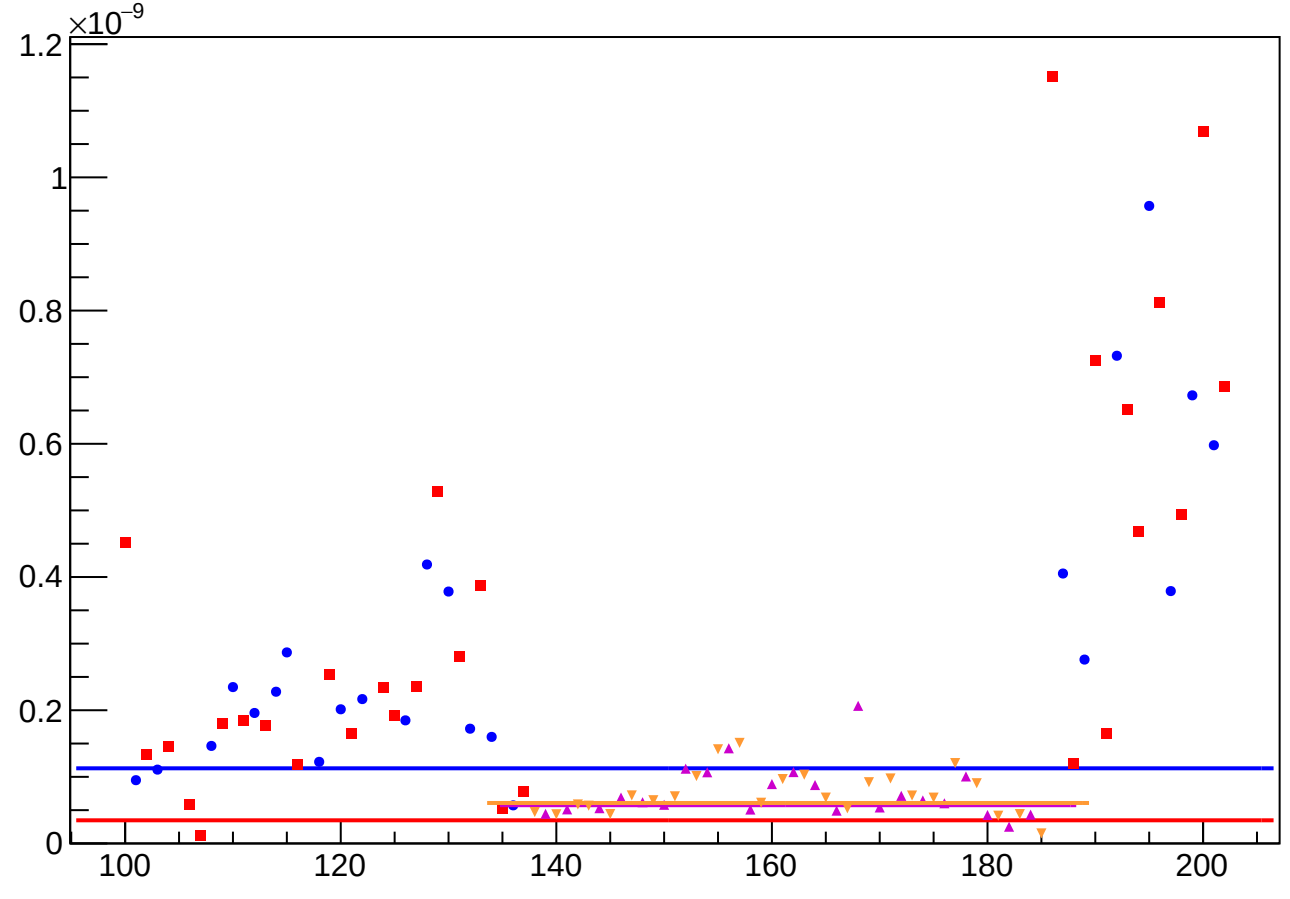
Right: 4849.343+/-0.700 χ^2/NDF: 4925489.2/51

In: 4615.195+/-0.605 χ^2/NDF:2875396.0/45

Out: 4544.269+/-0.576 χ^2/NDF:4461436.1/53

All: 4577.956+/-0.417 χ^2/NDF: 7344044.2/99


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 22.6/22
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.9/28
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: -0.000+/-0.000 χ²/NDF: 50.6/47
Right: 0.000+/-0.000 χ²/NDF: 50.5/51
In: 0.000+/-0.000 χ²/NDF:42.1/45
Out: 0.000+/-0.000 χ²/NDF:63.6/53
All: 0.000+/-0.000 χ²/NDF: 106.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 4363986.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9340327.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

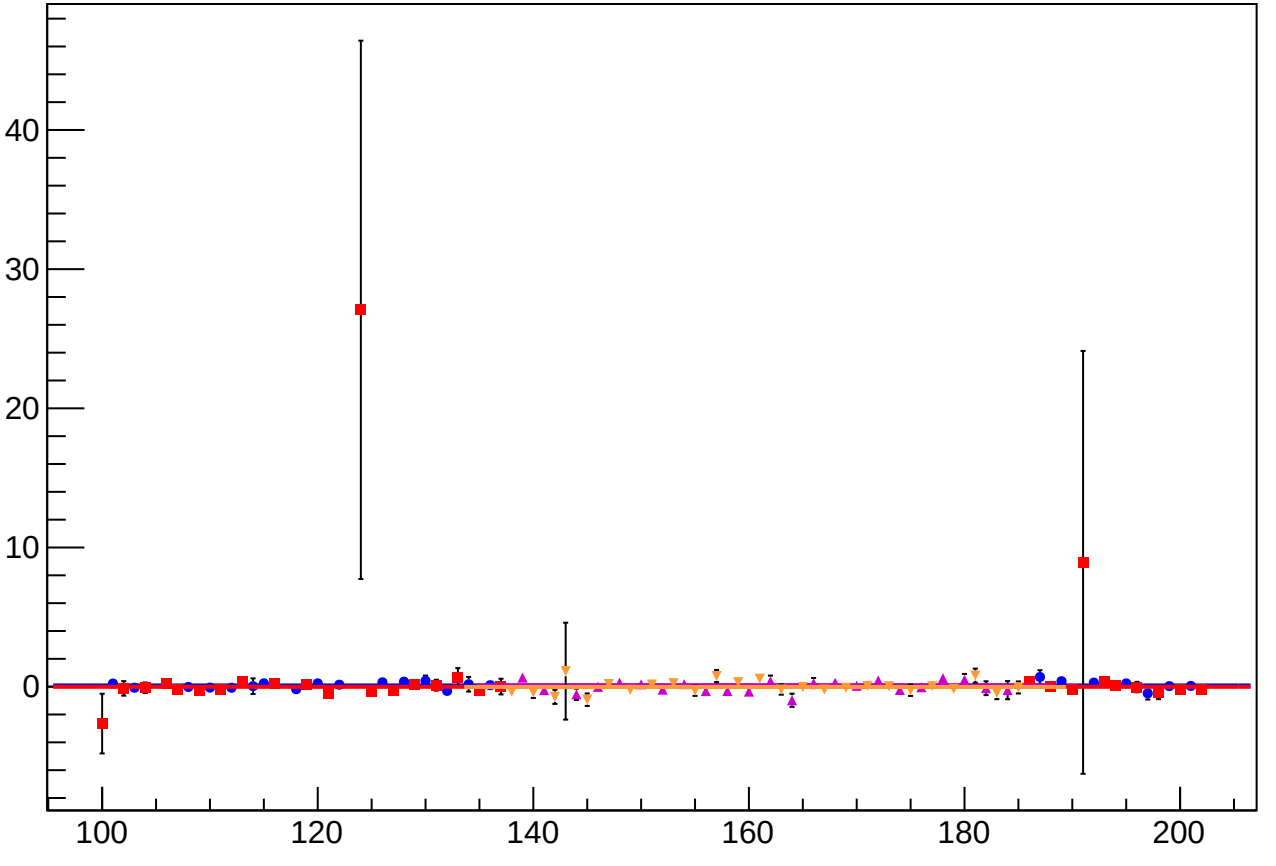
Right: 0.000+/-0.000 χ^2/NDF: 15896901.0/51

In: 0.000+/-0.000 χ^2/NDF:7450470.2/45

Out: 0.000+/-0.000 χ^2/NDF:11863901.6/53

All: 0.000+/-0.000 χ^2/NDF: 19658941.7/99

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.089+/-0.057 χ^2/NDF: 13.8/22

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.049 χ^2/NDF: 28.0/28

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

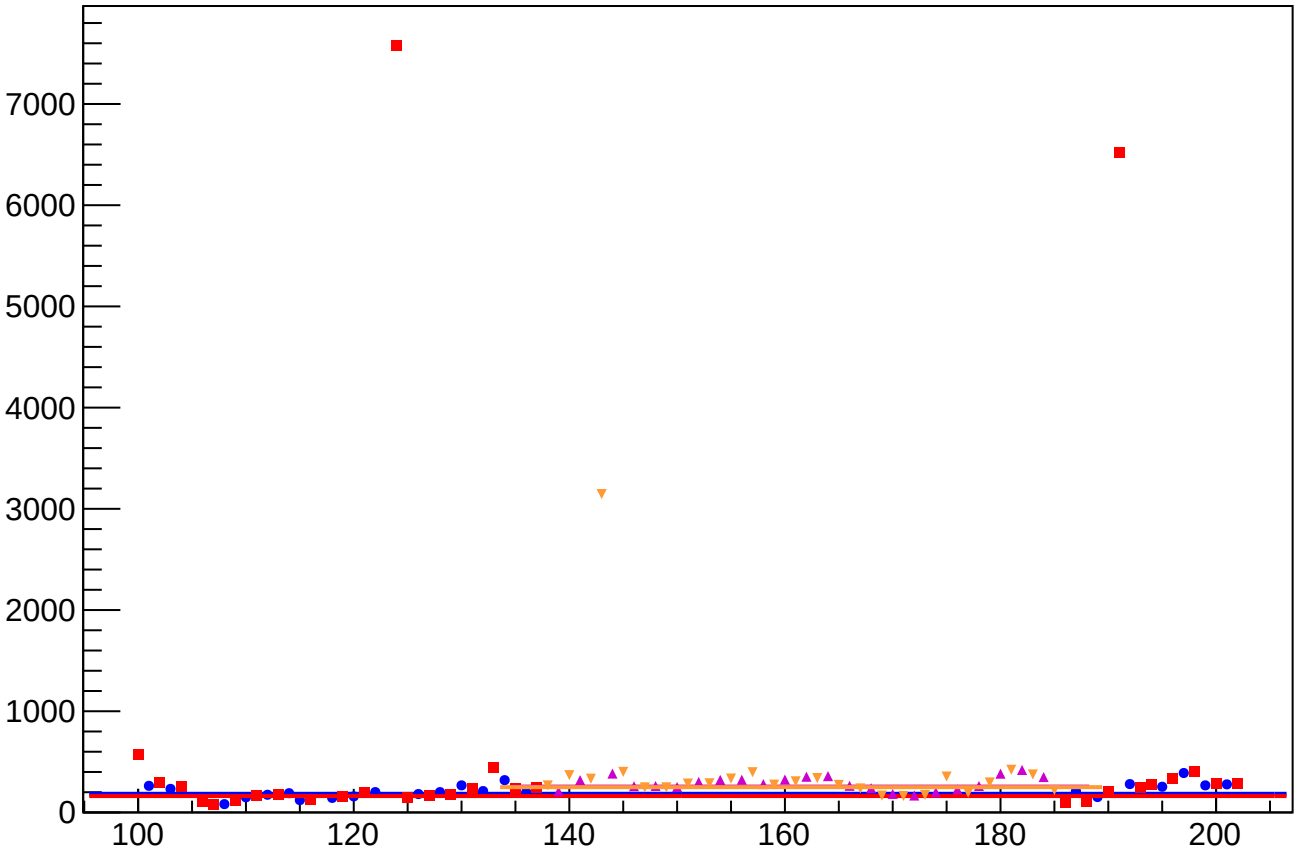
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.032+/-0.037 χ^2/NDF: 43.6/51

In: 0.092+/-0.042 χ^2/NDF:45.3/45

Out: -0.016+/-0.039 χ^2/NDF:51.6/53

All: 0.033+/-0.029 χ^2/NDF: 100.5/99



Right In: 184.325+/-0.041 χ^2/NDF: 2799886.2/22

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 161.960+/-0.035 χ^2/NDF: 5102314.5/28

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

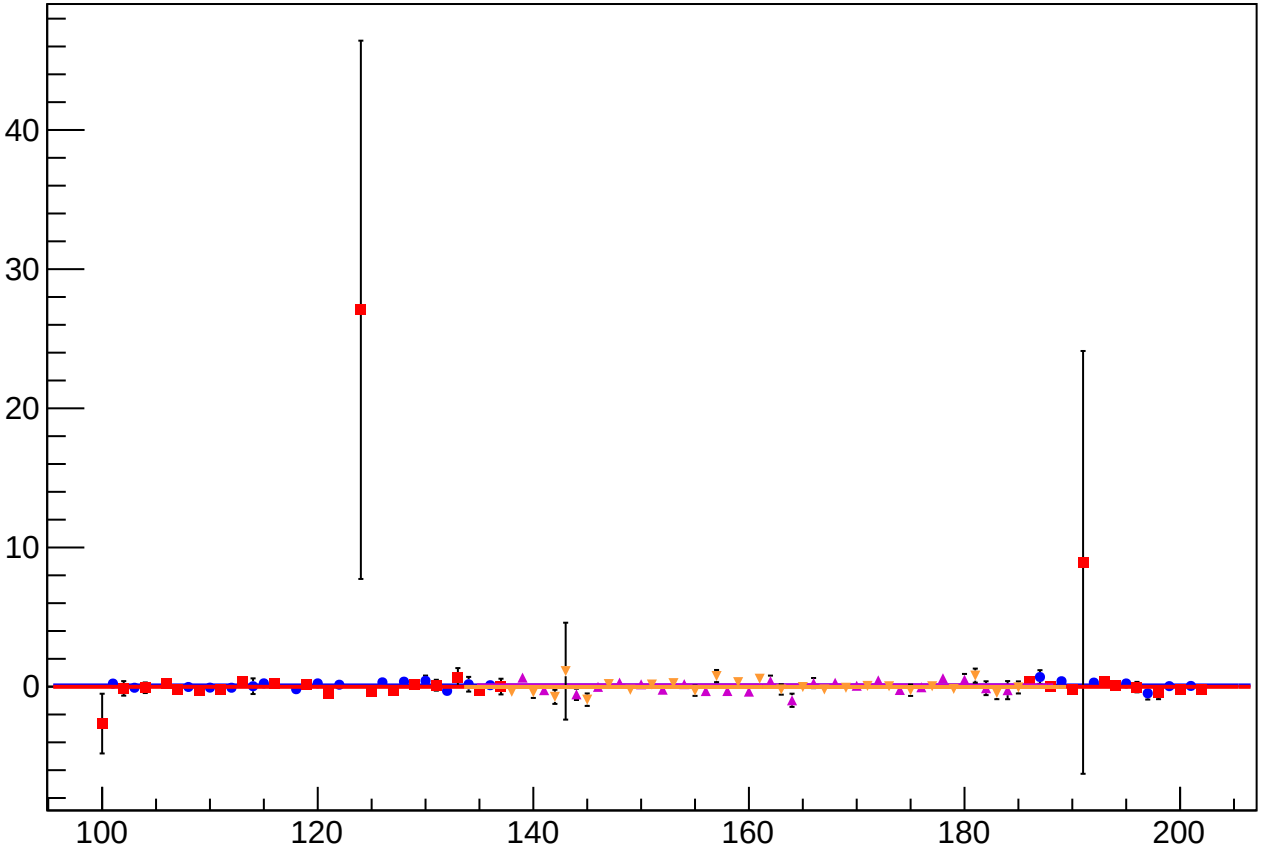
Right: 171.473+/-0.026 χ^2/NDF: 8076831.8/51

In: 216.501+/-0.030 χ^2/NDF:6298999.3/45

Out: 196.316+/-0.027 χ^2/NDF:11815104.3/53

All: 205.440+/-0.020 χ^2/NDF: 18362261.7/99

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.089+/-0.057 χ^2/NDF: 13.8/22

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.049 χ^2/NDF: 28.0/28

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

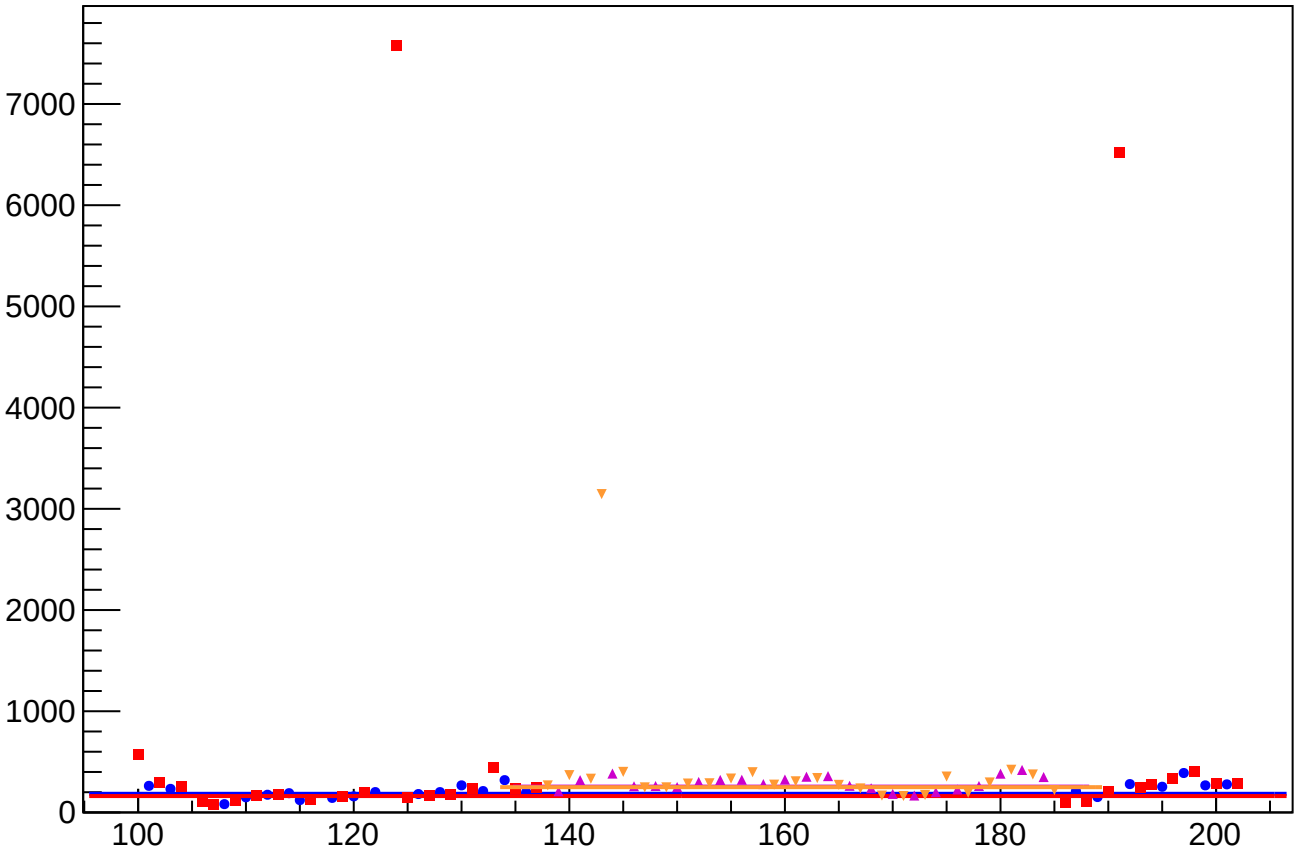
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.032+/-0.037 χ^2/NDF: 43.6/51

In: 0.092+/-0.042 χ^2/NDF:45.3/45

Out: -0.016+/-0.039 χ^2/NDF:51.6/53

All: 0.033+/-0.029 χ^2/NDF: 100.5/99



Right In: 184.325+/-0.041 χ^2/NDF: 2799886.2/22

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 161.960+/-0.035 χ^2/NDF: 5102314.5/28

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

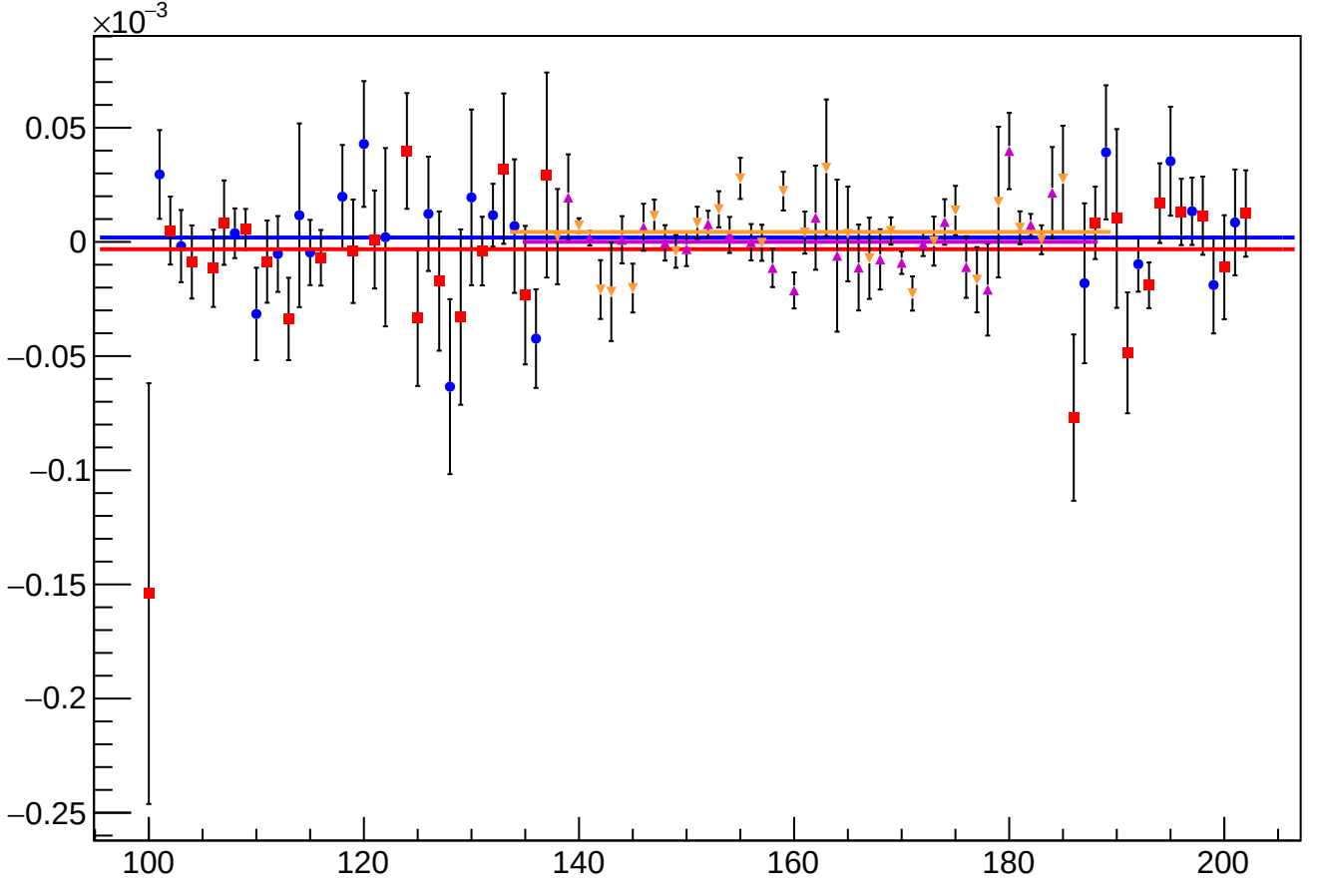
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 171.473+/-0.026 χ^2/NDF: 8076831.8/51

In: 216.501+/-0.030 χ^2/NDF:6298999.3/45

Out: 196.316+/-0.027 χ^2/NDF:11815104.3/53

All: 205.440+/-0.020 χ^2/NDF: 18362261.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

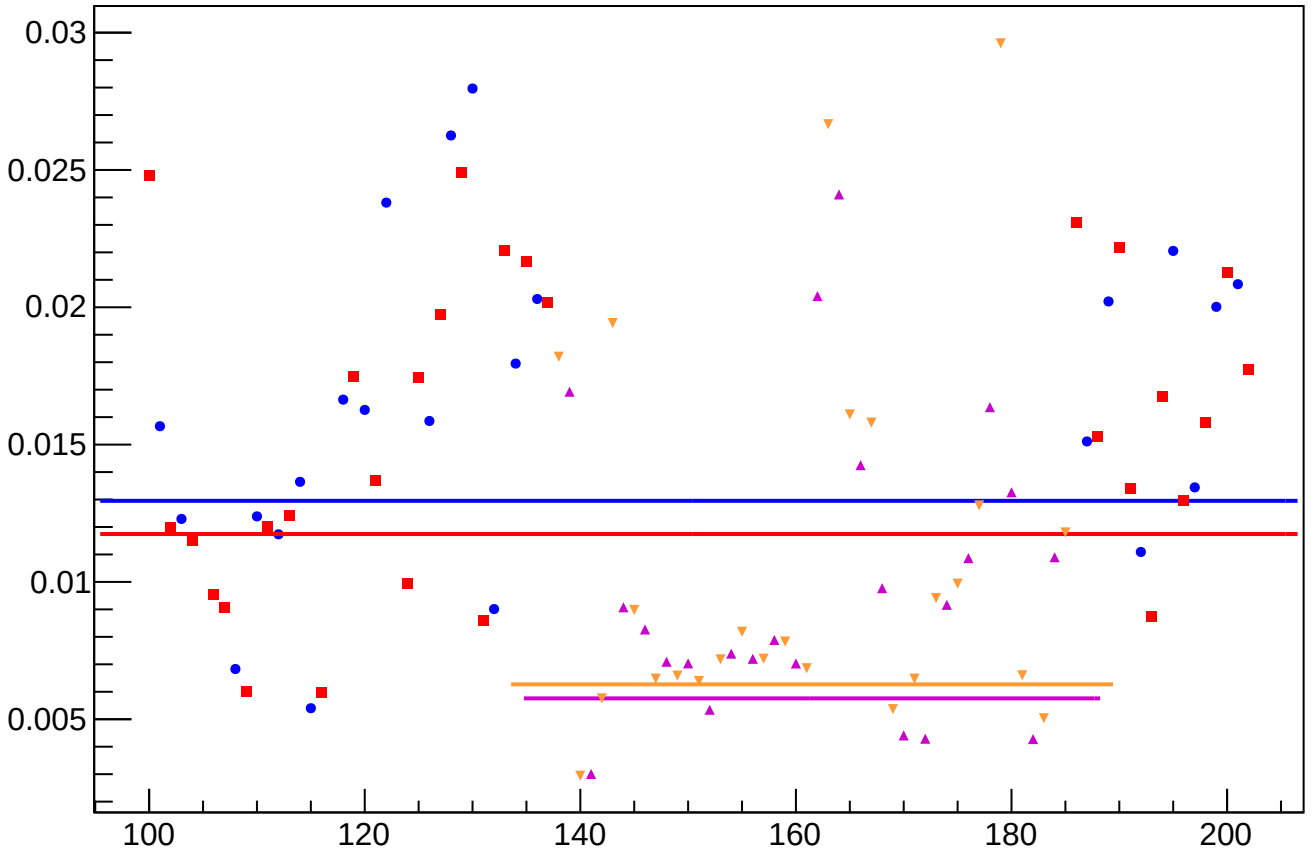
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 52.5/51

In: 0.000+/-0.000 χ^2/NDF:51.9/45

Out: 0.000+/-0.000 χ^2/NDF:79.0/53

All: 0.000+/-0.000 χ^2/NDF: 132.4/99



Right In: 0.013+/-0.000 χ^2/NDF: 3432717.4/22

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4012492.8/28

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

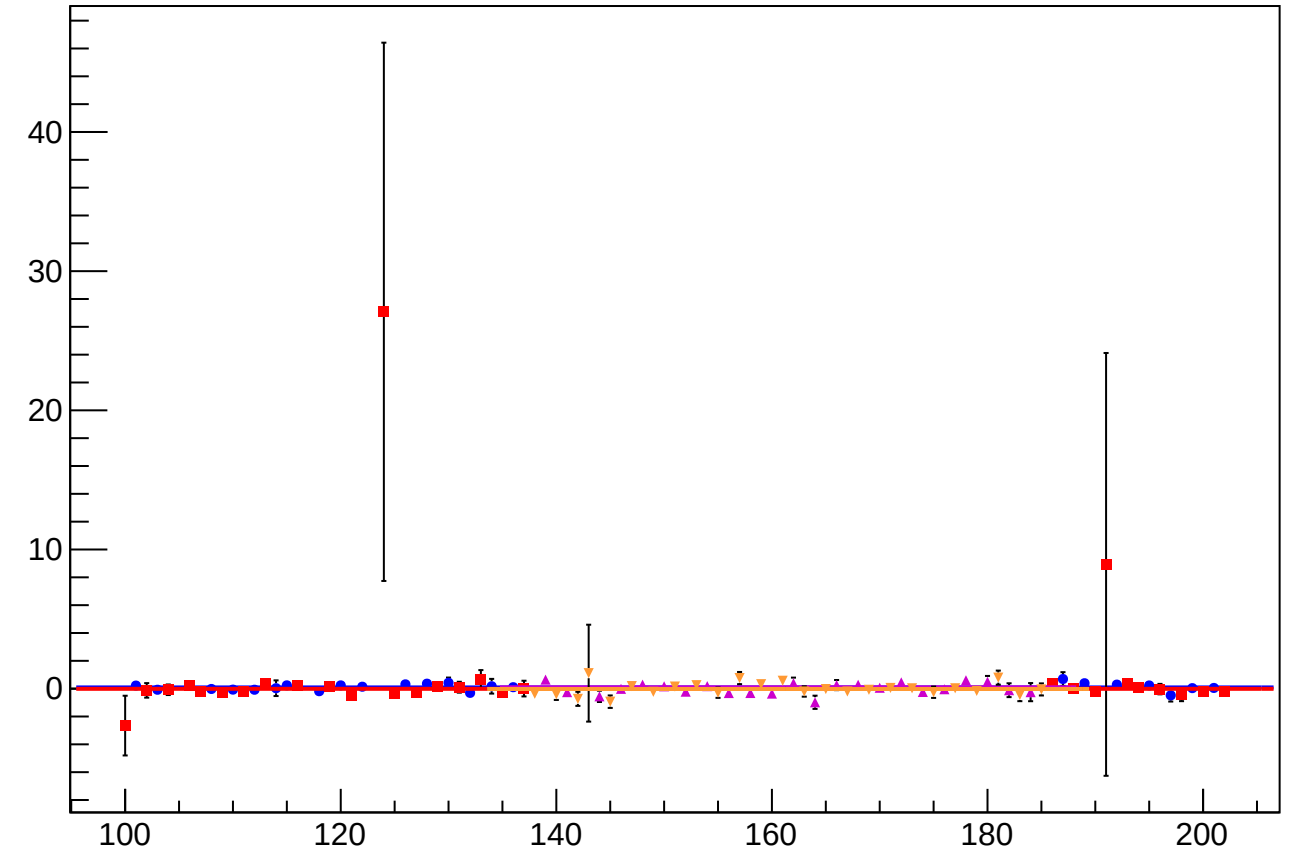
Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

Right: 0.012+/-0.000 χ^2/NDF: 7551225.5/51

In: 0.007+/-0.000 χ^2/NDF:16024513.1/45

Out: 0.007+/-0.000 χ^2/NDF:16199718.5/53

All: 0.007+/-0.000 χ^2/NDF: 32399752.7/99



Right In: 0.089+/-0.057 χ^2/NDF: 13.8/22

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.049 χ^2/NDF: 28.0/28

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

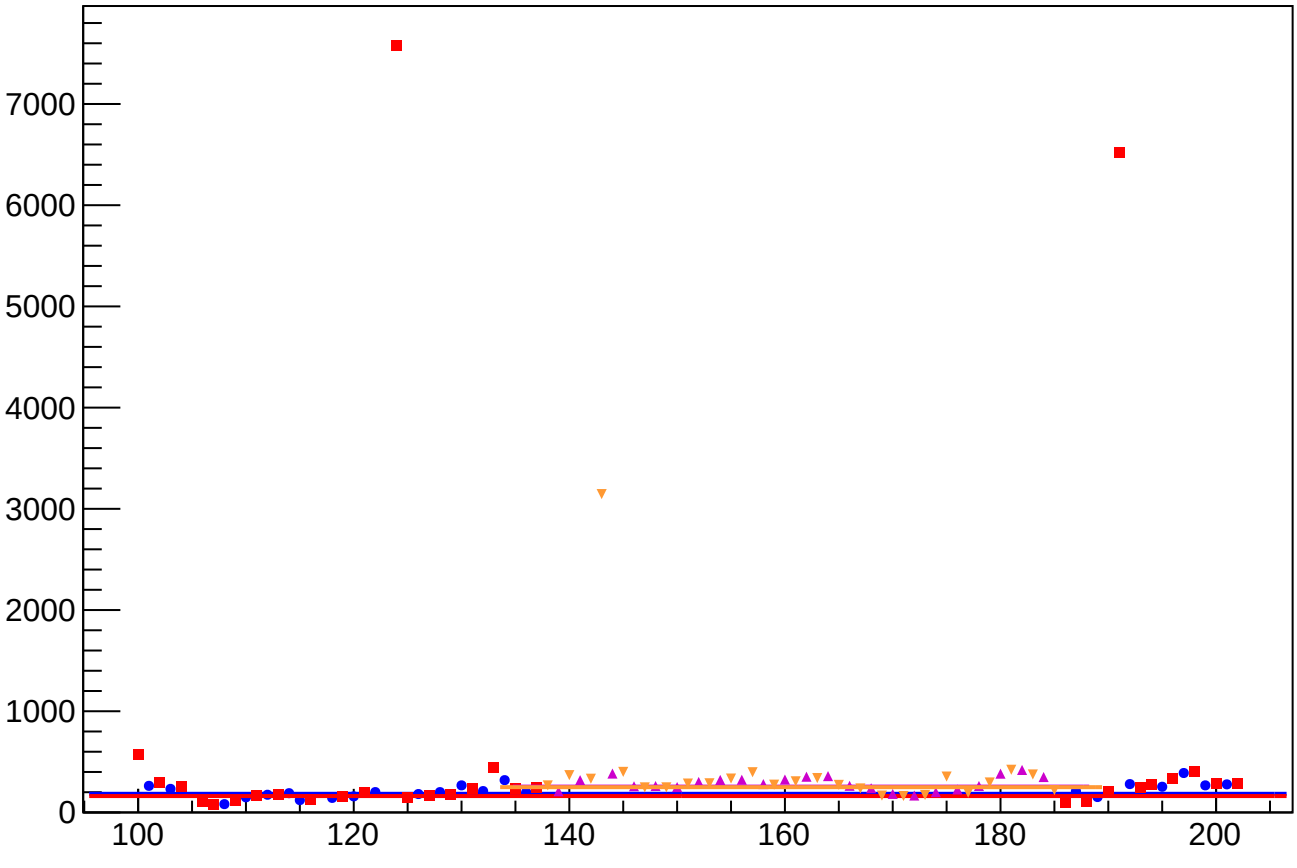
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.032+/-0.037 χ^2/NDF: 43.6/51

In: 0.092+/-0.042 χ^2/NDF:45.3/45

Out: -0.016+/-0.039 χ^2/NDF:51.6/53

All: 0.033+/-0.029 χ^2/NDF: 100.5/99



Right In: 184.323+/-0.041 χ^2/NDF: 2799940.1/22

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 161.962+/-0.035 χ^2/NDF: 5102186.2/28

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

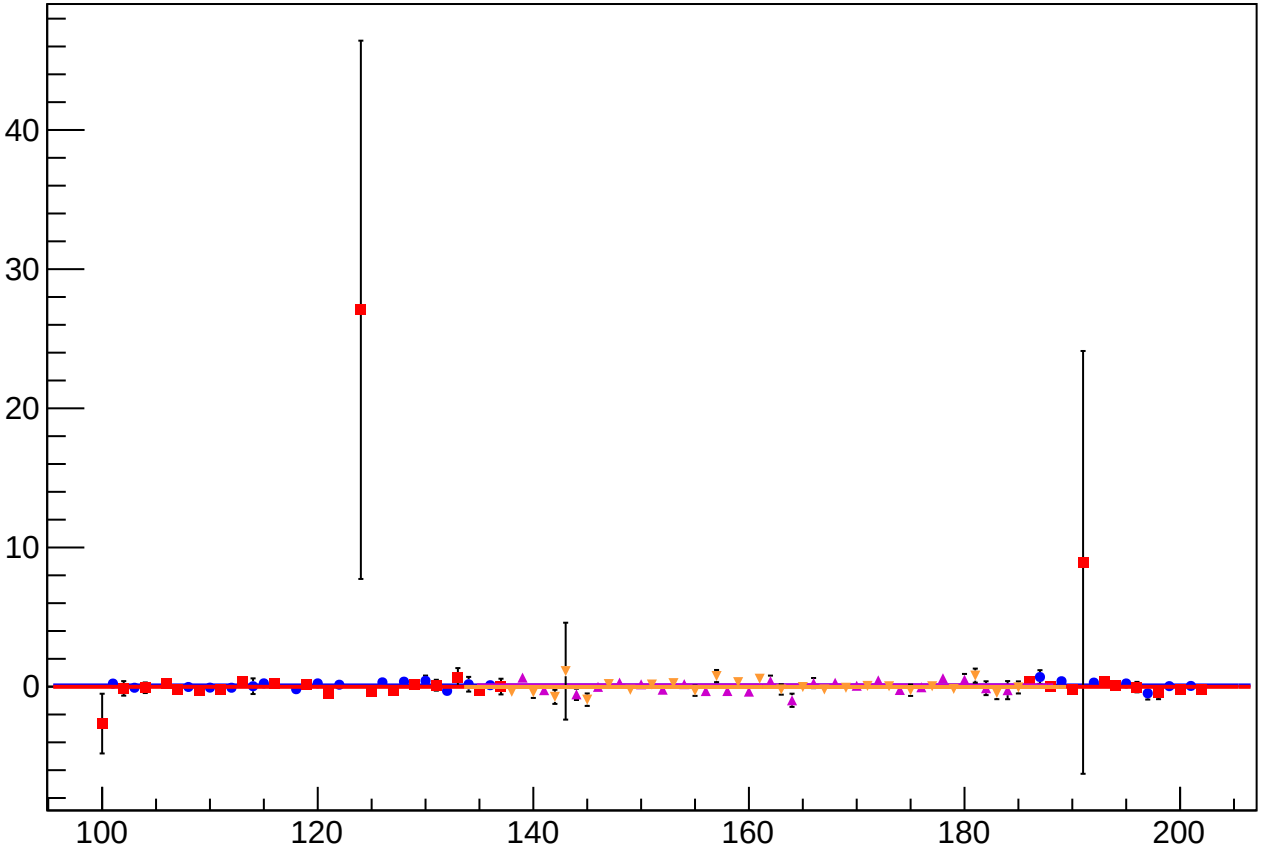
Right: 171.474+/-0.026 χ^2/NDF: 8076690.7/51

In: 216.500+/-0.030 χ^2/NDF:6299253.1/45

Out: 196.318+/-0.027 χ^2/NDF:11814988.5/53

All: 205.441+/-0.020 χ^2/NDF: 18362327.9/99

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.089+/-0.057 χ^2/NDF: 13.8/22

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.049 χ^2/NDF: 28.0/28

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

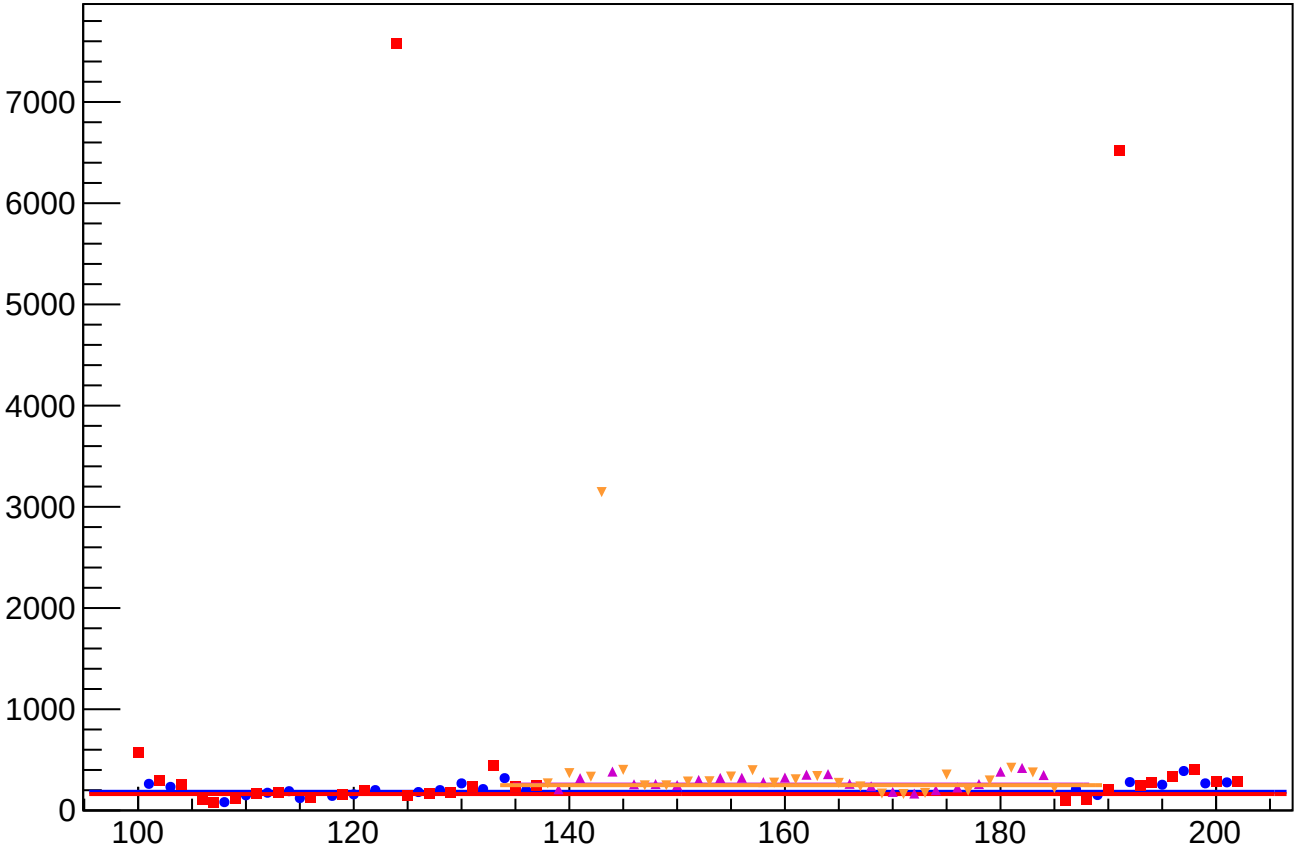
Right: 0.032+/-0.037 χ^2/NDF: 43.6/51

In: 0.092+/-0.042 χ^2/NDF:45.3/45

Out: -0.016+/-0.039 χ^2/NDF:51.6/53

All: 0.033+/-0.029 χ^2/NDF: 100.5/99

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 184.323+/-0.041 χ^2/NDF: 2799940.1/22

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 161.962+/-0.035 χ^2/NDF: 5102186.2/28

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

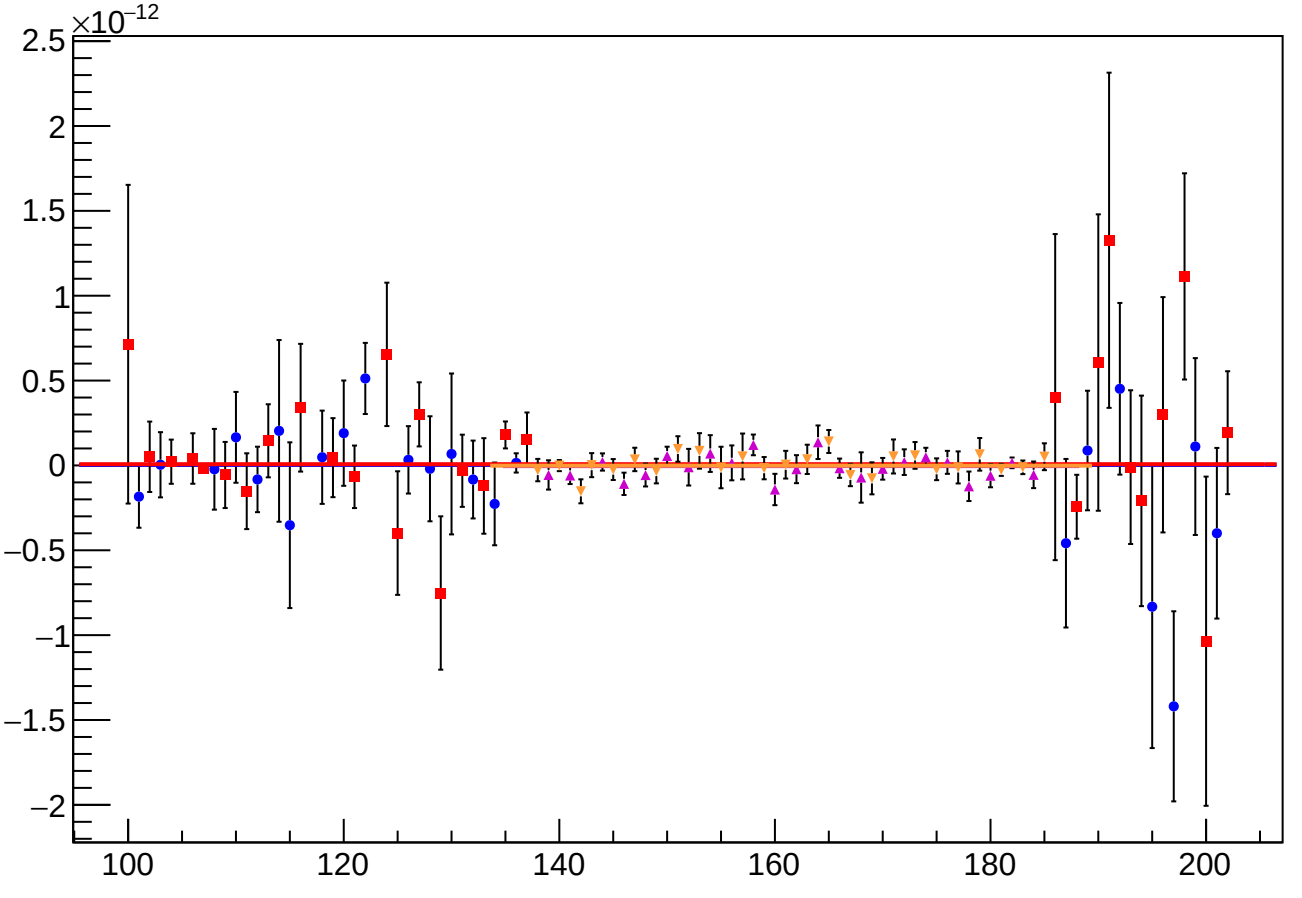
Right: 171.474+/-0.026 χ^2/NDF: 8076690.7/51

In: 216.500+/-0.030 χ^2/NDF:6299253.1/45

Out: 196.318+/-0.027 χ^2/NDF:11814988.5/53

All: 205.441+/-0.020 χ^2/NDF: 18362327.9/99

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/28

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

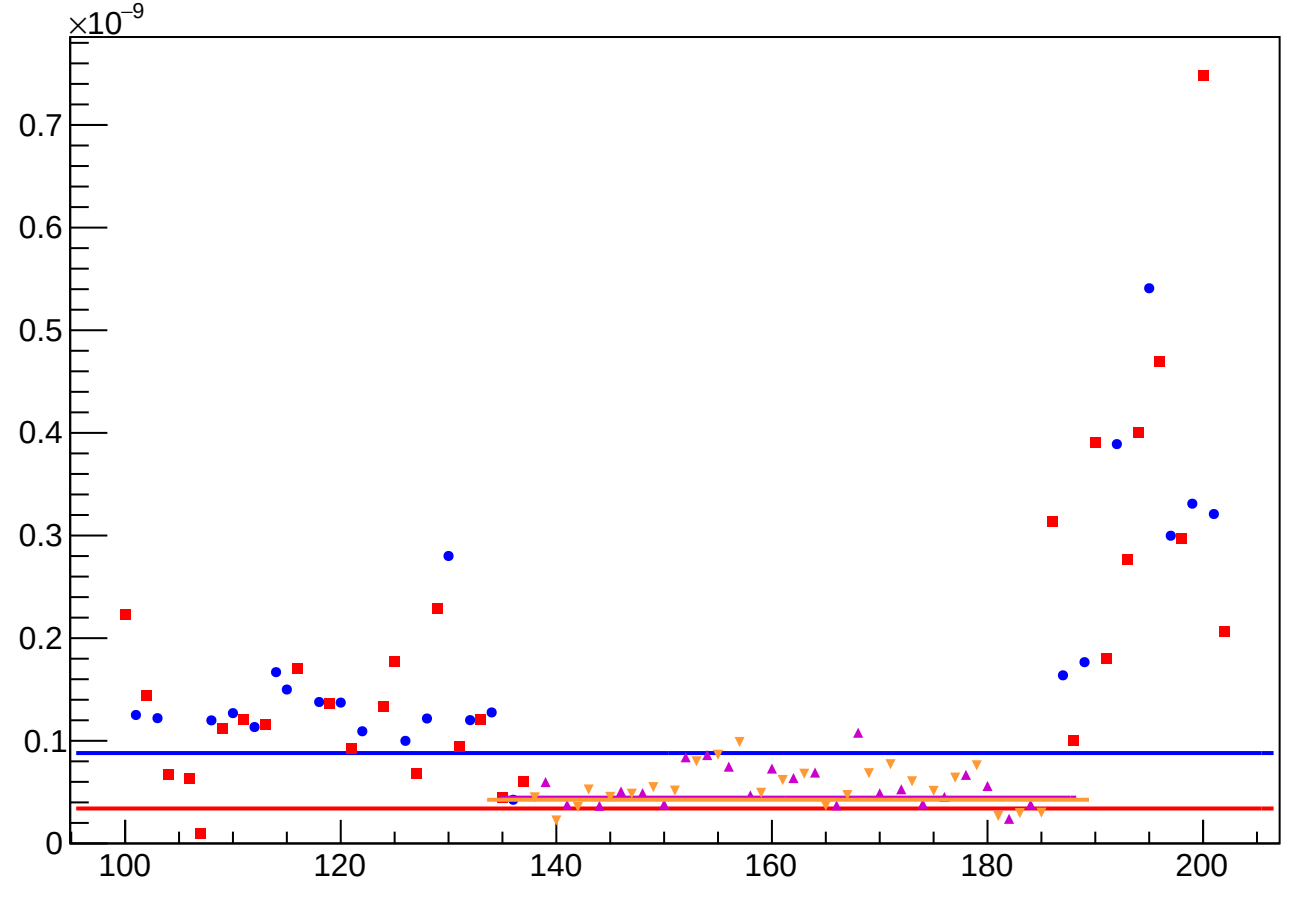
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 47.2/51

In: -0.000+/-0.000 χ^2/NDF:39.4/45

Out: 0.000+/-0.000 χ^2/NDF:44.1/53

All: -0.000+/-0.000 χ^2/NDF: 83.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 4828163.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10335645.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

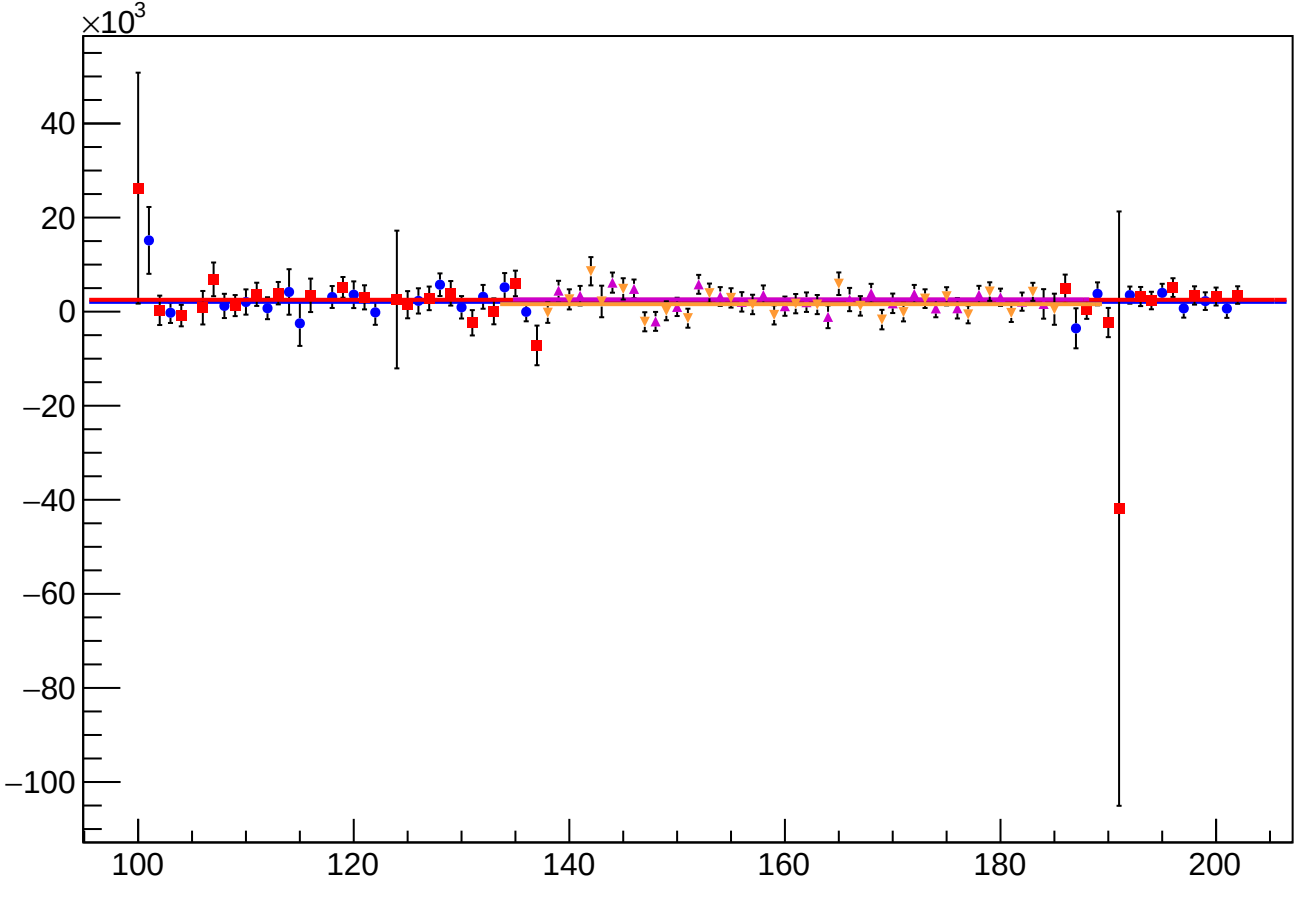
Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

Right: 0.000+/-0.000 χ^2/NDF: 17788016.0/51

In: 0.000+/-0.000 χ^2/NDF:9689412.0/45

Out: 0.000+/-0.000 χ^2/NDF:14198816.3/53

All: 0.000+/-0.000 χ^2/NDF: 24367409.6/99



Right In: 2084.501+/-510.526 χ^2/NDF: 17.0/22

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2519.527+/-476.183 χ^2/NDF: 26.3/28

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

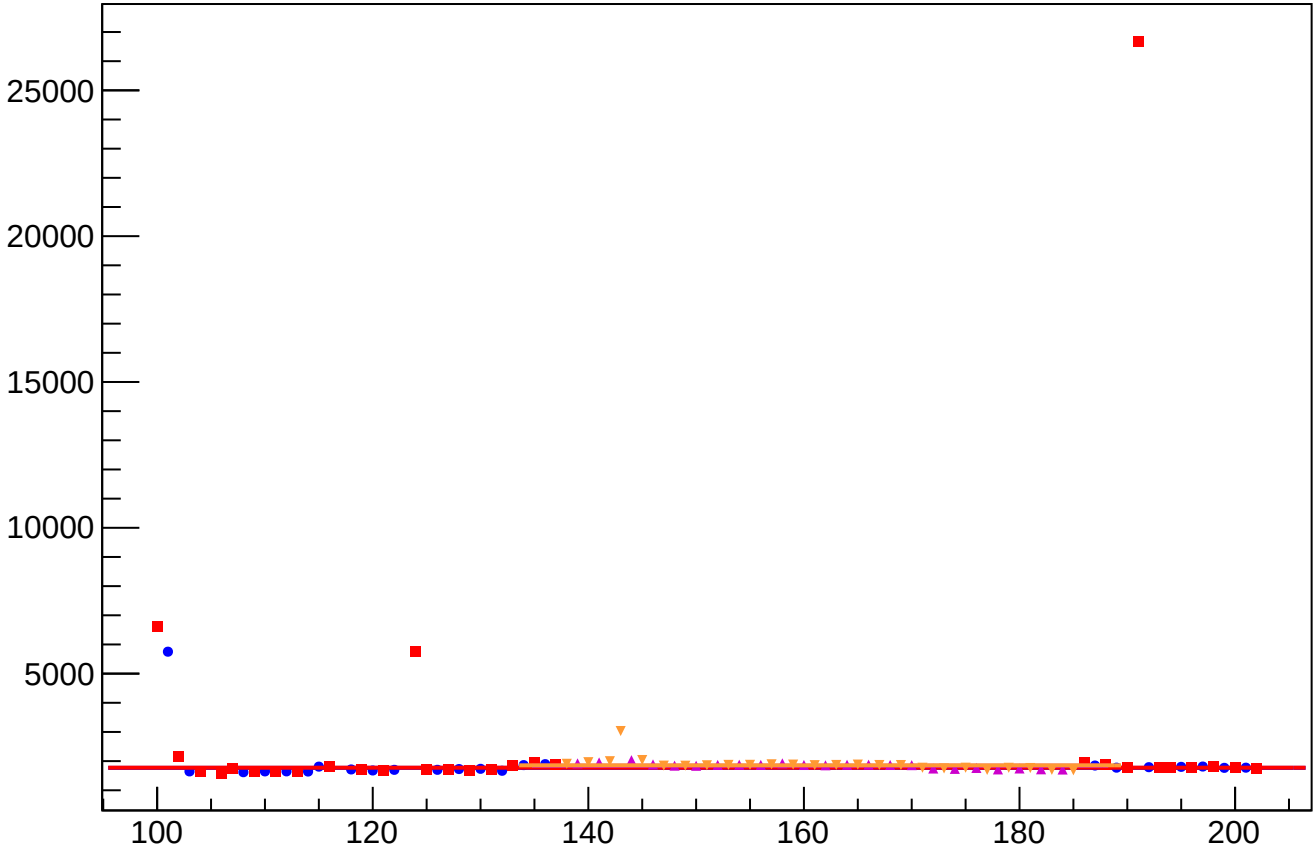
Right: 2317.137+/-348.221 χ^2/NDF: 43.7/51

In: 2384.574+/-329.017 χ^2/NDF:37.7/45

Out: 2001.676+/-316.369 χ^2/NDF:59.7/53

All: 2185.624+/-228.047 χ^2/NDF: 98.1/99

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1767.929+/-0.361 χ^2/NDF: 674719.0/22

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.317+/-0.335 χ^2/NDF: 639357.8/28

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

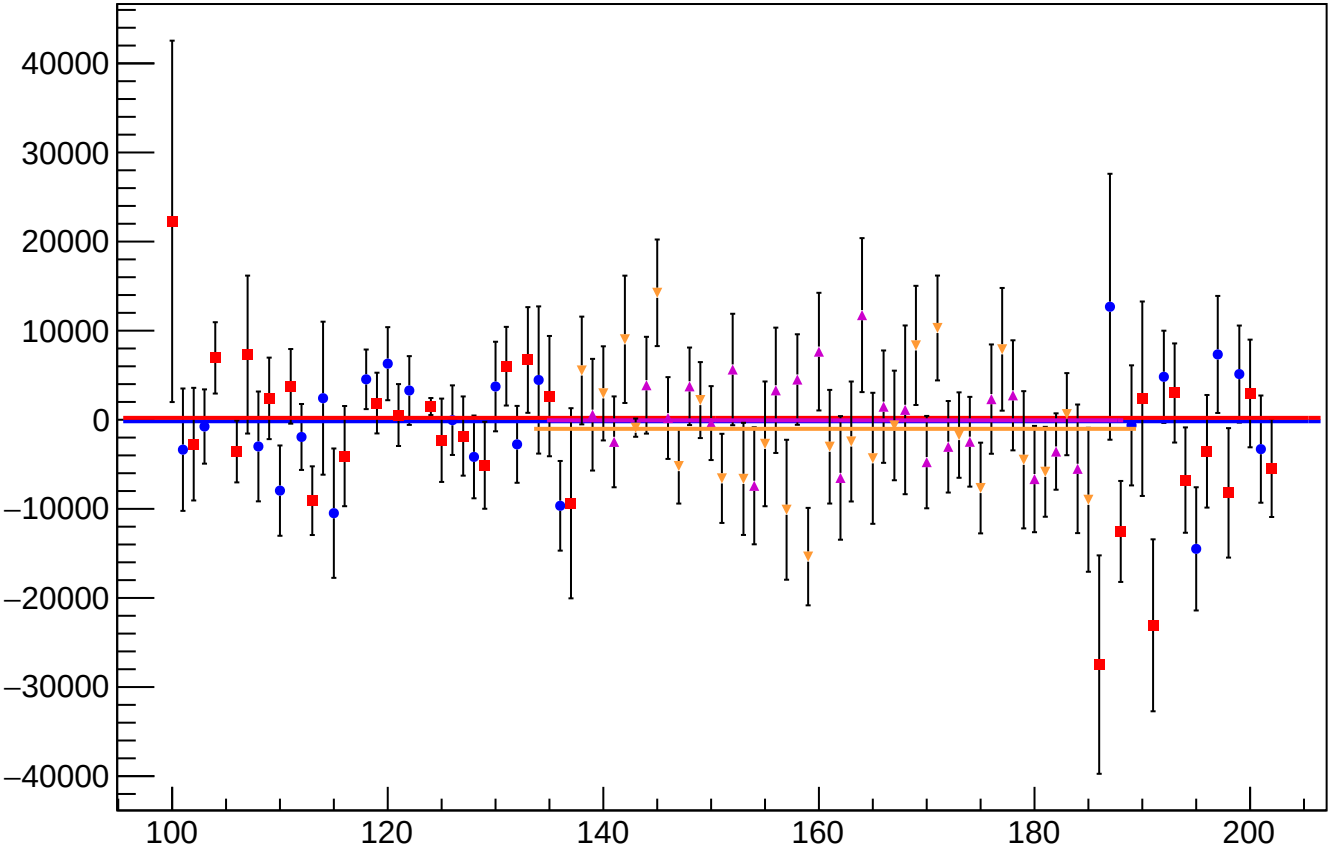
Right: 1771.357+/-0.246 χ^2/NDF: 1314244.9/51

In: 1810.640+/-0.233 χ^2/NDF:769647.2/45

Out: 1819.542+/-0.223 χ^2/NDF:996286.6/53

All: 1815.273+/-0.161 χ^2/NDF: 1766695.9/99

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -168.132+/-1057.477 χ^2/NDF: 24.5/22

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 214.187+/-686.655 χ^2/NDF: 41.6/28

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

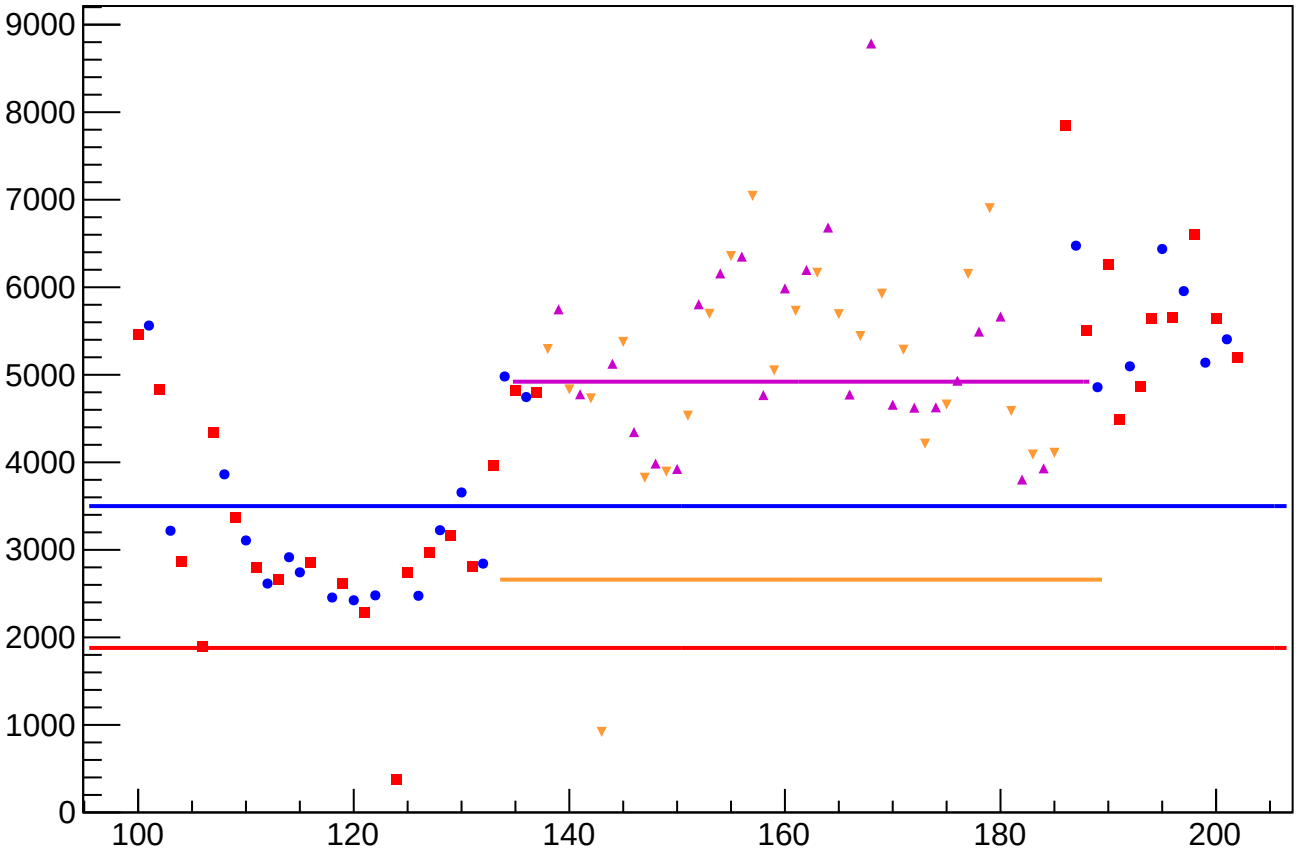
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 100.797+/-575.897 χ^2/NDF: 66.1/51

In: -120.733+/-785.553 χ^2/NDF:37.5/45

Out: -330.583+/-513.015 χ^2/NDF:76.7/53

All: -267.842+/-429.532 χ^2/NDF: 114.3/99



Right In: 3499.875+/-0.748 χ^2/NDF: 2579556.6/22

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1879.620+/-0.486 χ^2/NDF: 13705794.7/28

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

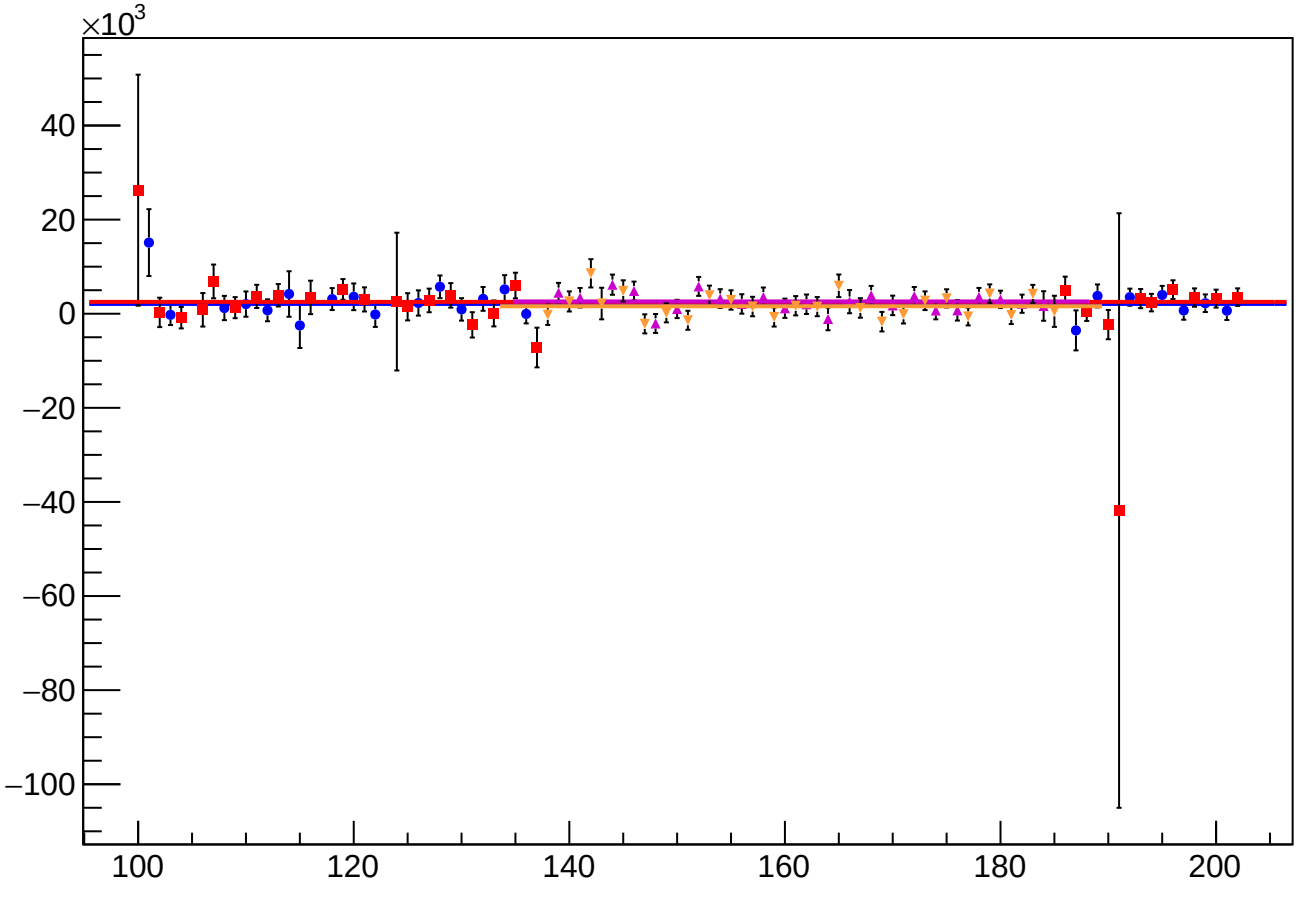
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2360.162+/-0.407 χ^2/NDF: 19588036.8/51

In: 4136.915+/-0.555 χ^2/NDF:5450195.6/45

Out: 2224.402+/-0.363 χ^2/NDF:29383192.0/53

All: 2796.203+/-0.304 χ^2/NDF: 43143726.2/9



Right In: 2084.300+/-510.526 χ^2/NDF: 17.0/22

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2519.535+/-476.183 χ^2/NDF: 26.3/28

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

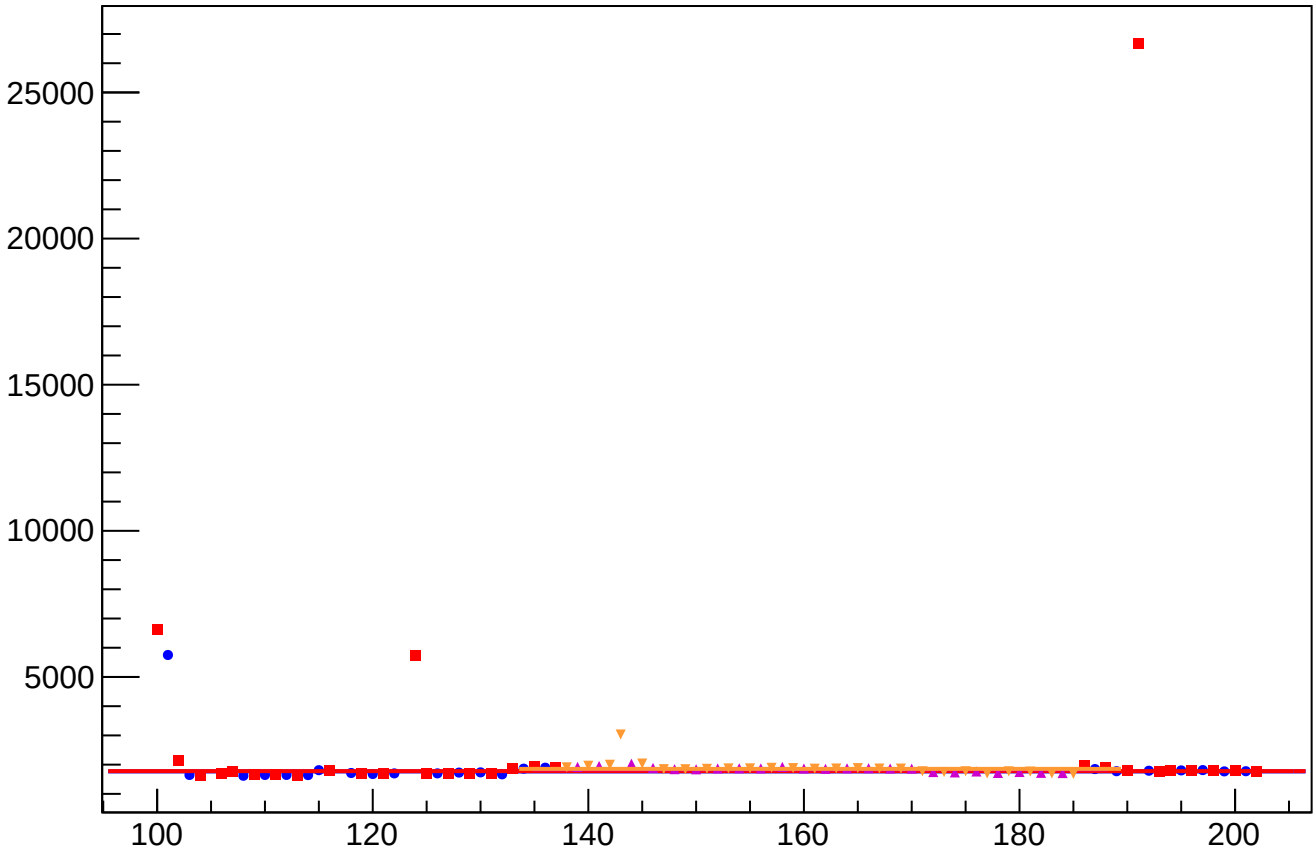
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2317.048+/-348.221 χ^2/NDF: 43.7/51

In: 2384.532+/-329.017 χ^2/NDF:37.7/45

Out: 2001.661+/-316.369 χ^2/NDF:59.7/53

All: 2185.597+/-228.047 χ^2/NDF: 98.1/99



Right In: 1767.929+/-0.361 χ^2/NDF: 674719.3/22

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.003+/-0.336 χ^2/NDF: 630578.4/28

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

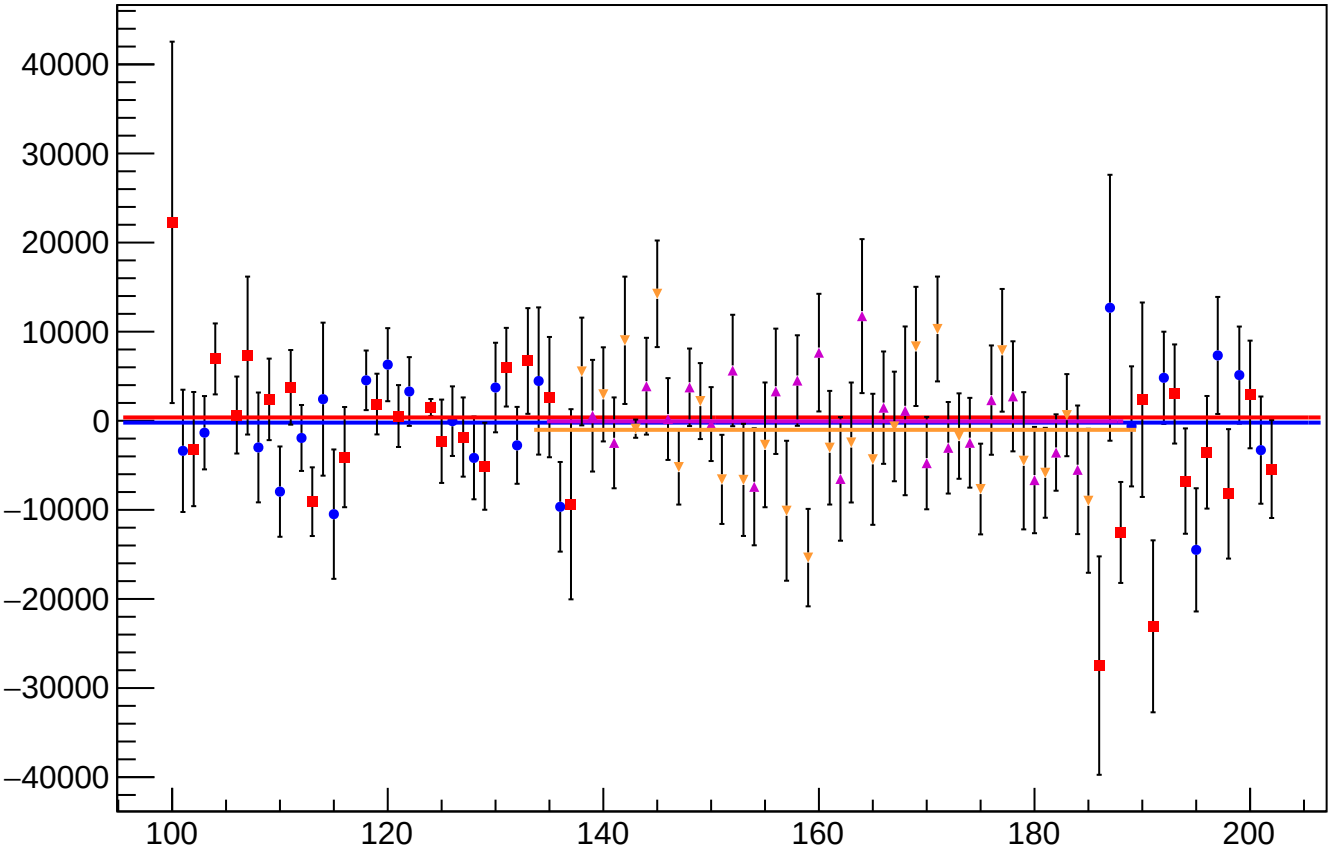
Right: 1773.326+/-0.246 χ^2/NDF: 1305714.9/51

In: 1810.640+/-0.233 χ^2/NDF:769647.6/45

Out: 1821.250+/-0.224 χ^2/NDF:984547.2/53

All: 1816.157+/-0.161 χ^2/NDF: 1755276.4/99

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -208.048+/-1056.594 χ^2/NDF: 24.5/22

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 373.196+/-691.494 χ^2/NDF: 40.4/28

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

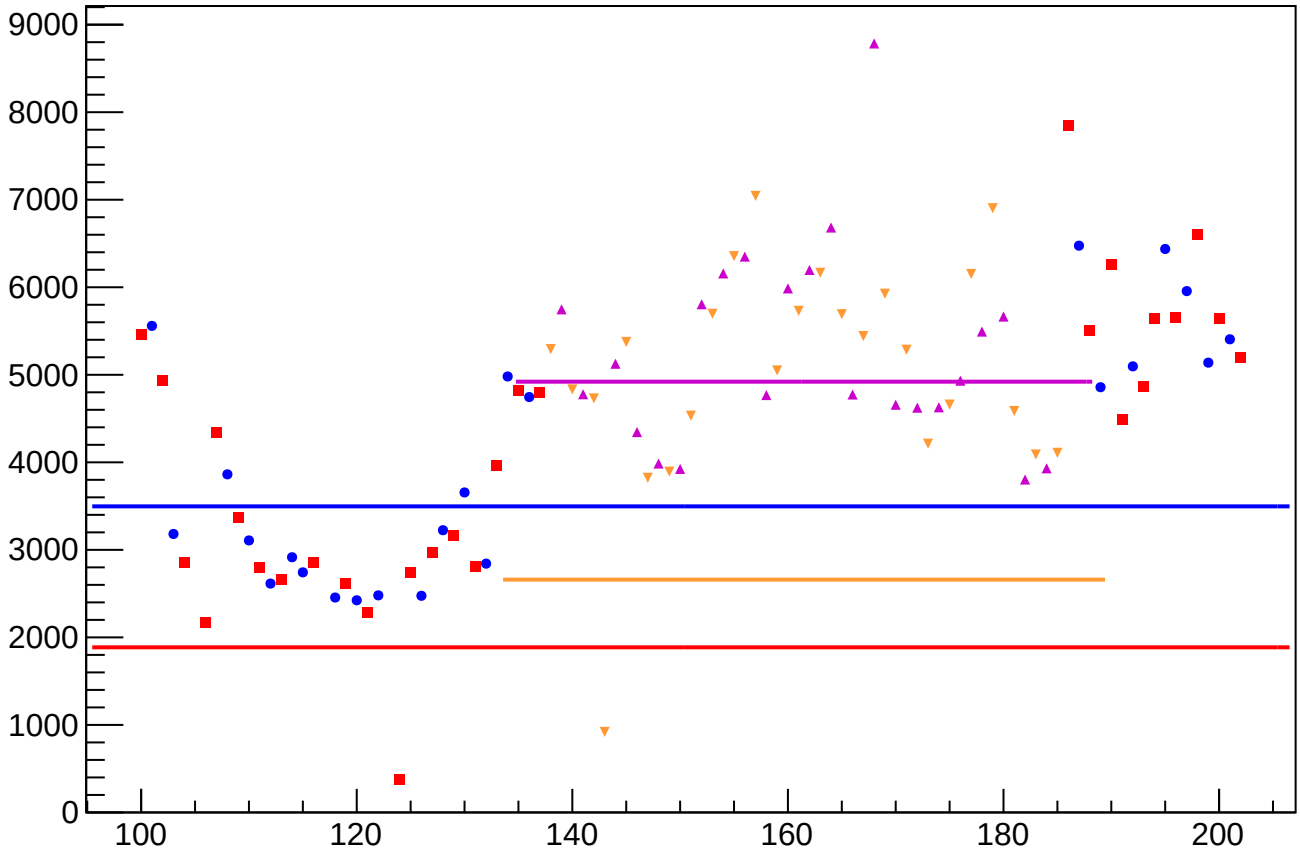
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 198.896+/-578.598 χ^2/NDF: 65.2/51

In: -142.783+/-785.191 χ^2/NDF:37.6/45

Out: -246.601+/-515.019 χ^2/NDF:76.0/53

All: -215.371+/-430.647 χ^2/NDF: 113.6/99



Right In: 3496.970+/-0.747 χ^2/NDF: 2581939.7/22

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1886.612+/-0.489 χ^2/NDF: 13730218.7/28

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

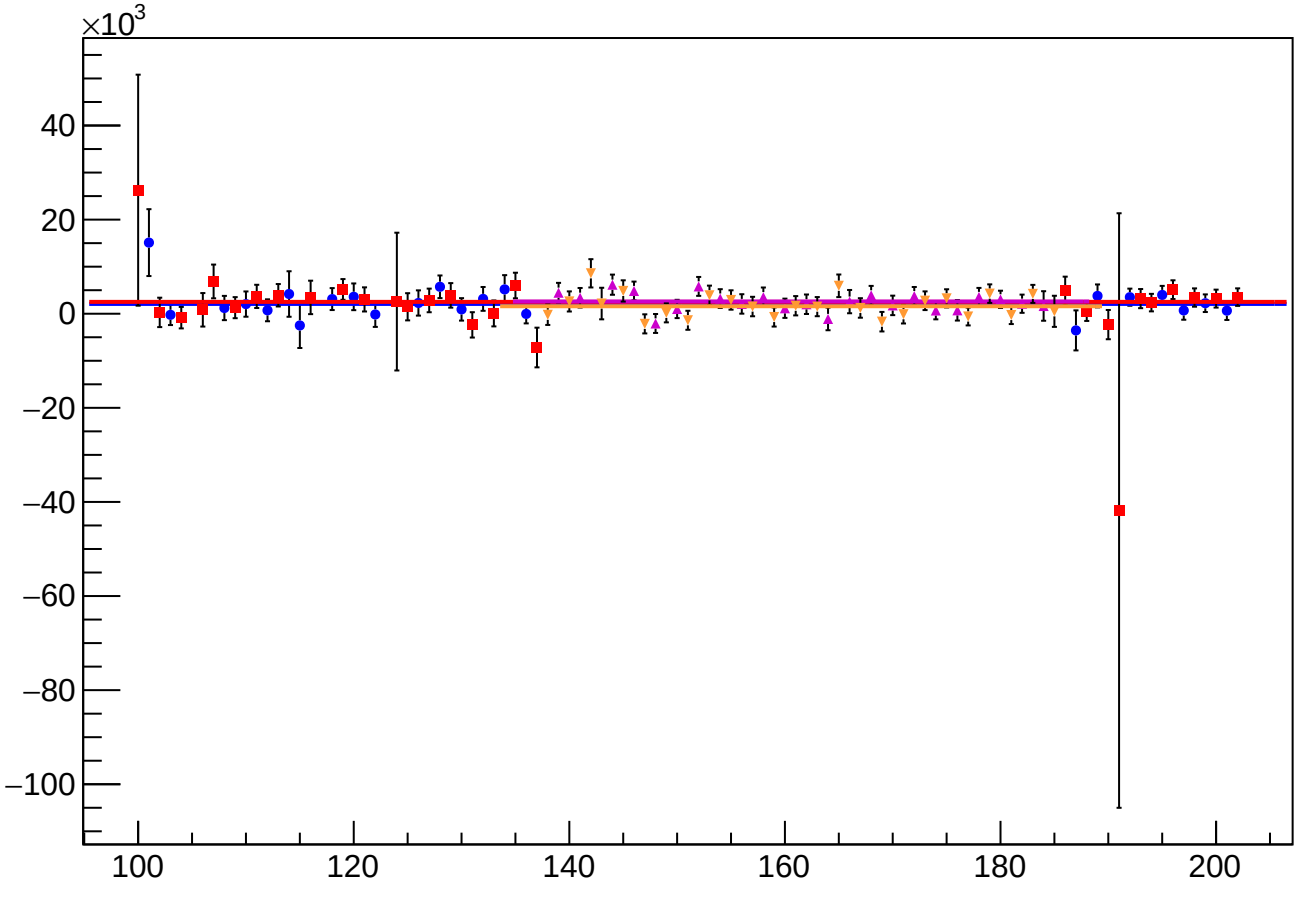
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2369.515+/-0.409 χ^2/NDF: 19564794.9/51

In: 4134.723+/-0.555 χ^2/NDF:5460424.1/45

Out: 2230.949+/-0.364 χ^2/NDF:29380767.1/53

All: 2803.622+/-0.305 χ^2/NDF: 43061832.0/9



Right In: 2084.300+/-510.526 χ^2/NDF: 17.0/22

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2519.535+/-476.183 χ^2/NDF: 26.3/28

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

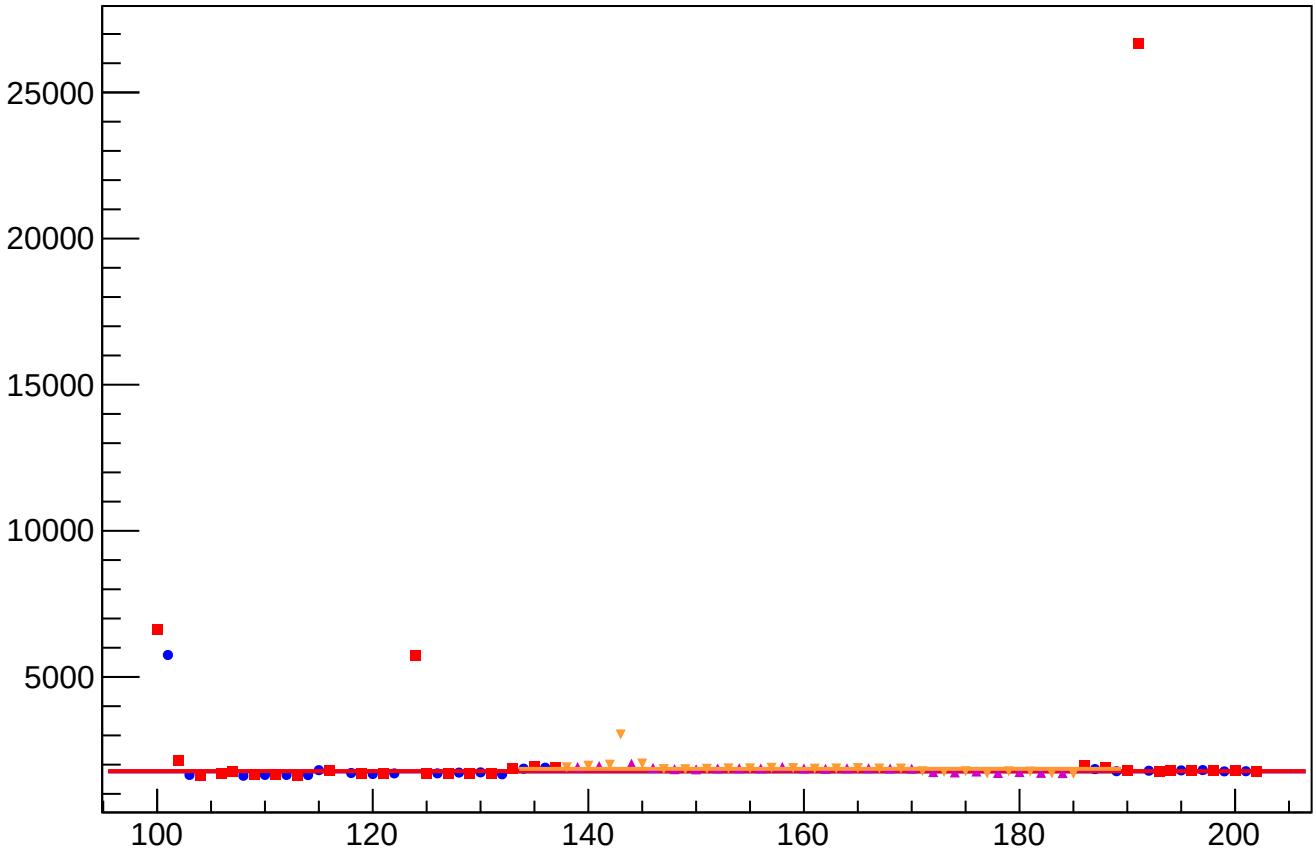
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2317.048+/-348.221 χ^2/NDF: 43.7/51

In: 2384.532+/-329.017 χ^2/NDF:37.7/45

Out: 2001.661+/-316.369 χ^2/NDF:59.7/53

All: 2185.597+/-228.047 χ^2/NDF: 98.1/99



Right In: 1767.929+/-0.361 χ^2/NDF: 674719.3/22

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.003+/-0.336 χ^2/NDF: 630578.4/28

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

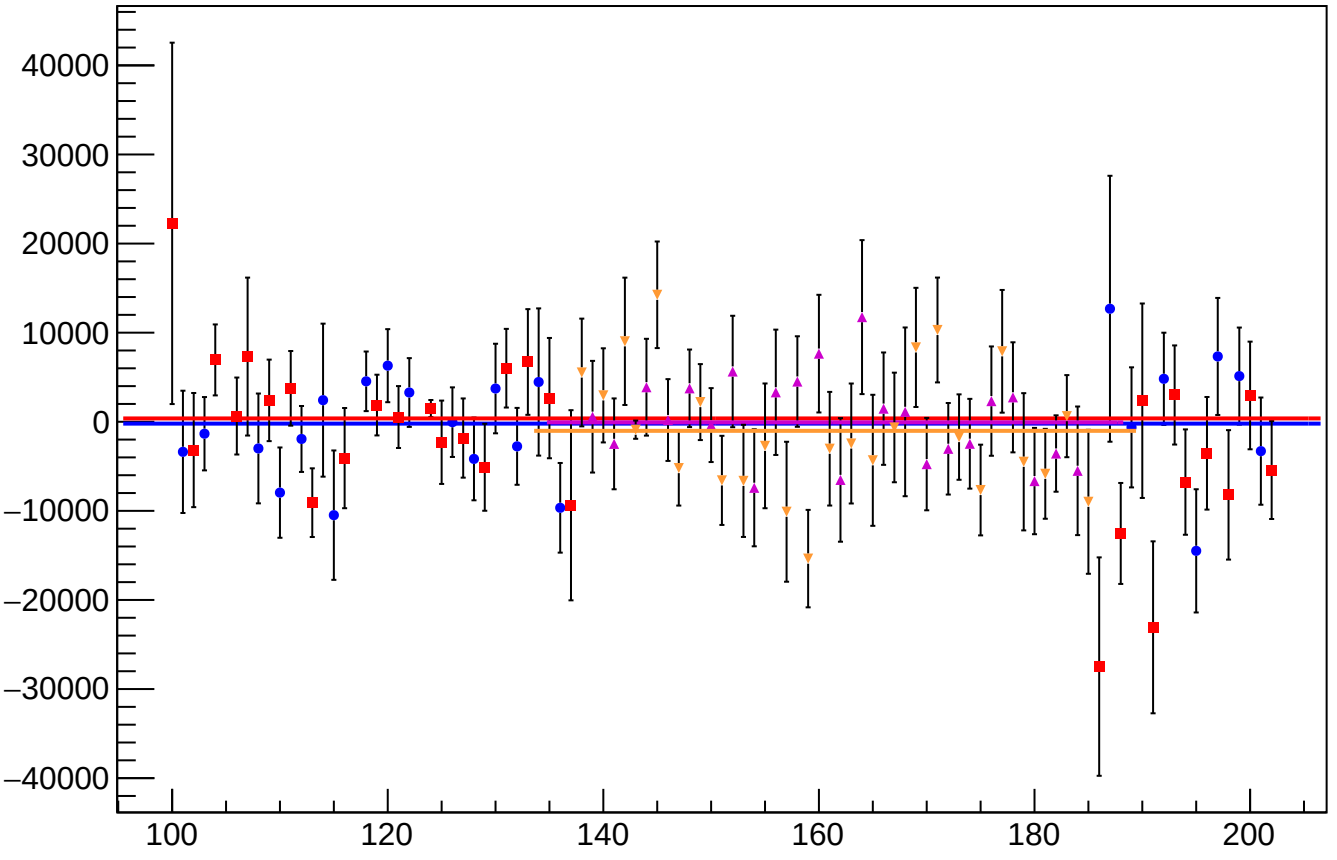
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1773.326+/-0.246 χ^2/NDF: 1305714.9/51

In: 1810.640+/-0.233 χ^2/NDF:769647.6/45

Out: 1821.250+/-0.224 χ^2/NDF:984547.2/53

All: 1816.157+/-0.161 χ^2/NDF: 1755276.4/99



Right In: -208.048+/-1056.594 χ^2/NDF: 24.5/22

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 373.196+/-691.494 χ^2/NDF: 40.4/28

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

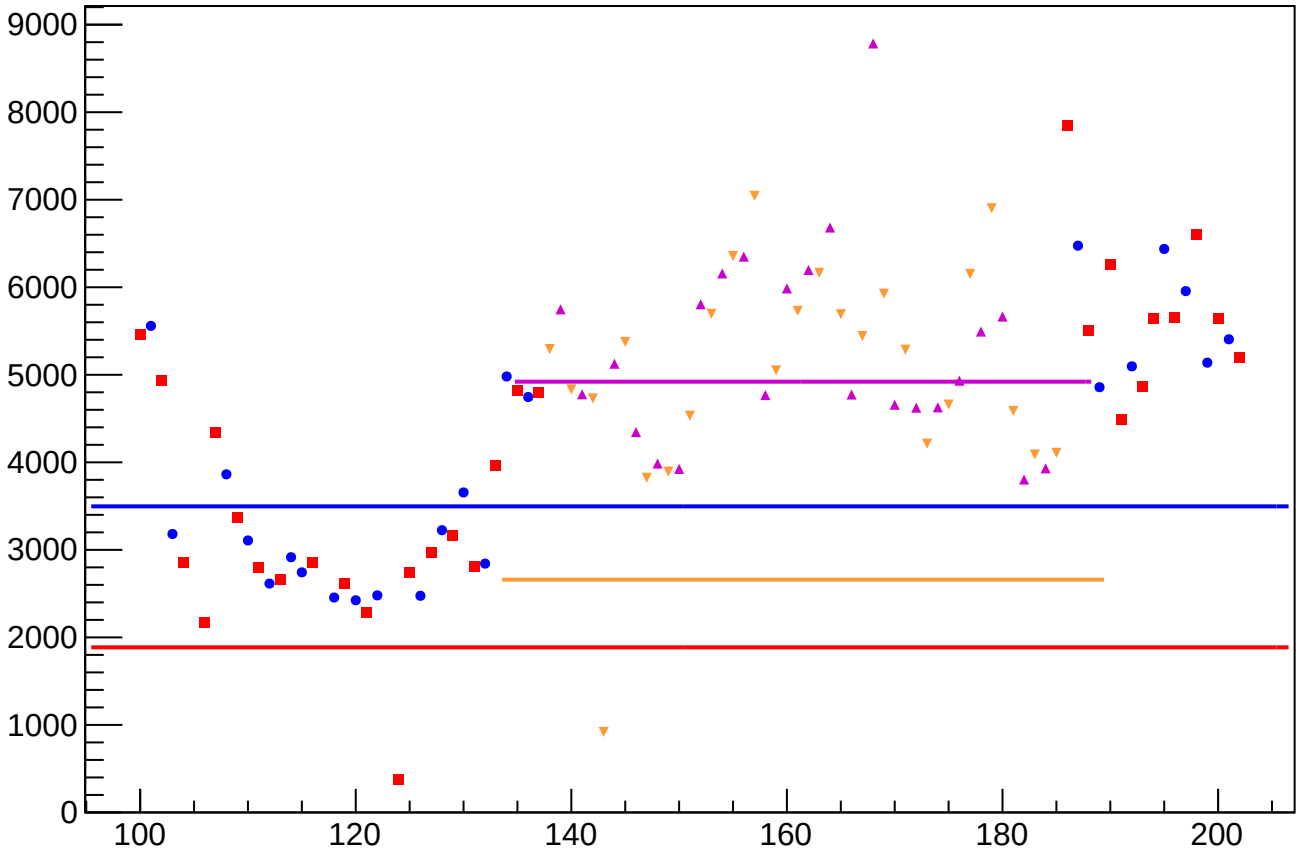
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 198.896+/-578.598 χ^2/NDF: 65.2/51

In: -142.783+/-785.191 χ^2/NDF:37.6/45

Out: -246.601+/-515.019 χ^2/NDF:76.0/53

All: -215.371+/-430.647 χ^2/NDF: 113.6/99



Right In: 3496.970+/-0.747 χ^2/NDF: 2581939.7/22

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1886.612+/-0.489 χ^2/NDF: 13730218.7/28

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

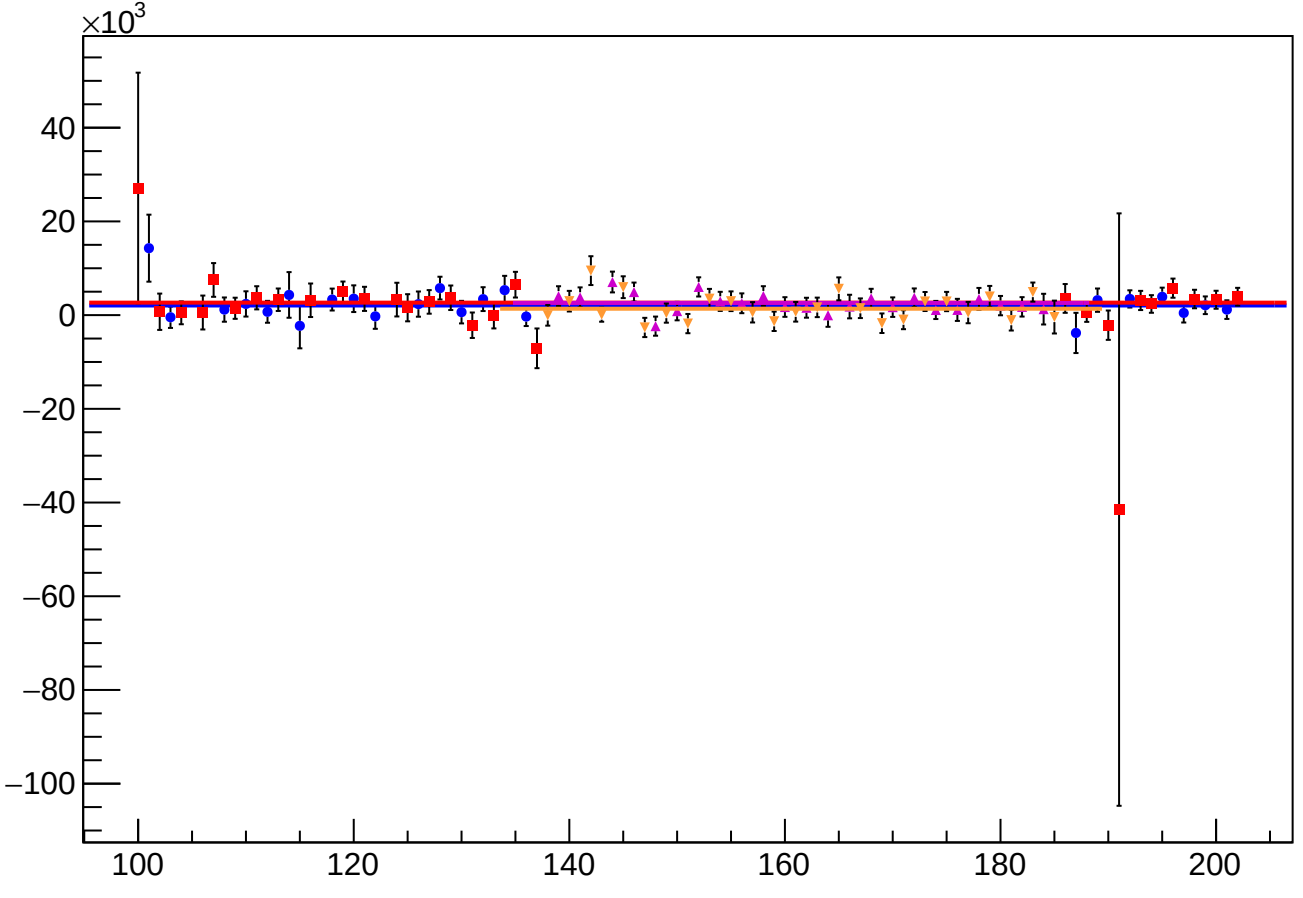
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2369.515+/-0.409 χ^2/NDF: 19564794.9/51

In: 4134.723+/-0.555 χ^2/NDF:5460424.1/45

Out: 2230.949+/-0.364 χ^2/NDF:29380767.1/53

All: 2803.622+/-0.305 χ^2/NDF: 43061832.0/9



Right In: 2055.408+/-516.535 χ^2/NDF: 16.8/22

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2663.991+/-479.441 χ^2/NDF: 24.8/28

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

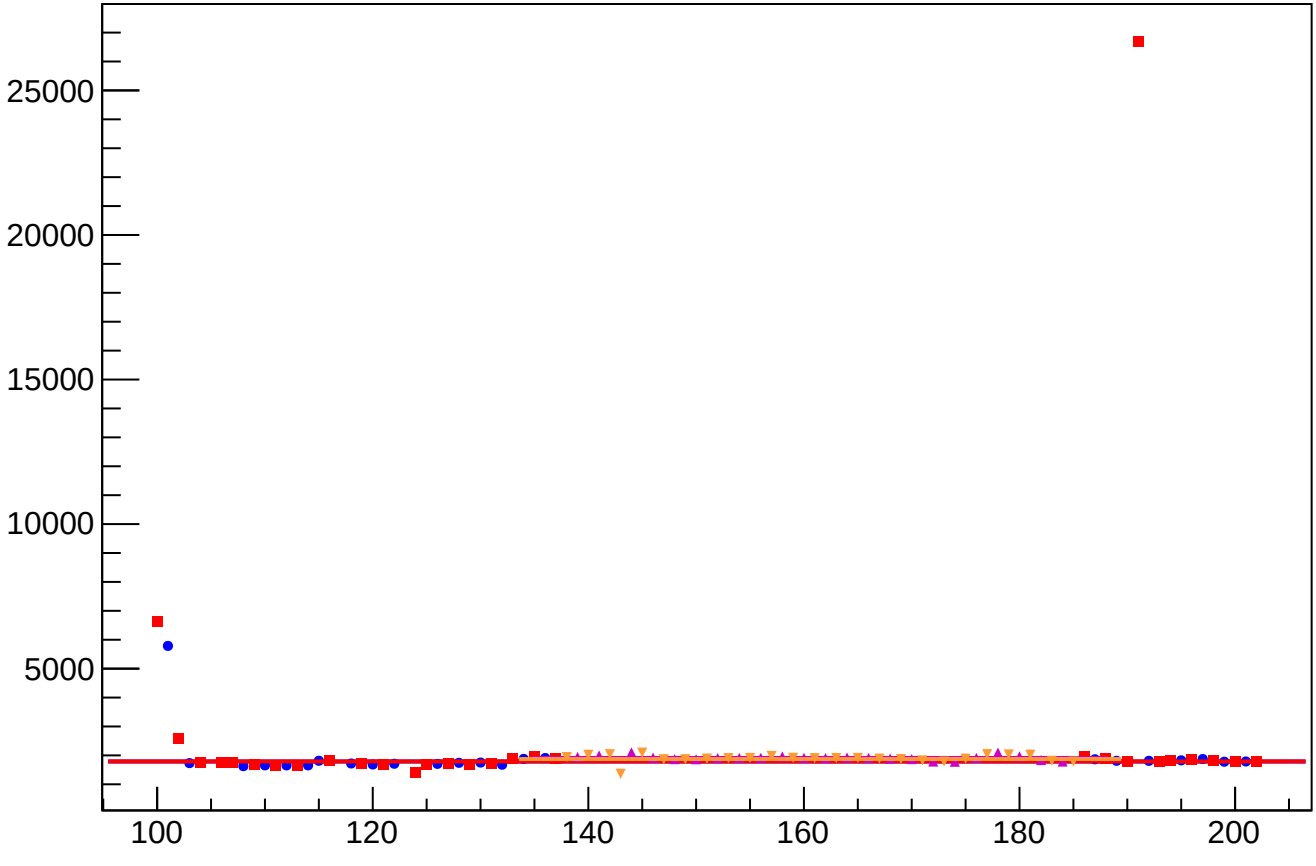
Right: 2382.334+/-351.398 χ^2/NDF: 42.4/51

In: 2368.578+/-337.896 χ^2/NDF:37.5/45

Out: 1939.473+/-319.008 χ^2/NDF:65.0/53

All: 2141.698+/-231.963 χ^2/NDF: 103.4/99

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1788.530+/-0.365 χ^2/NDF: 674654.7/22

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.976+/-0.339 χ^2/NDF: 554936.0/28

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

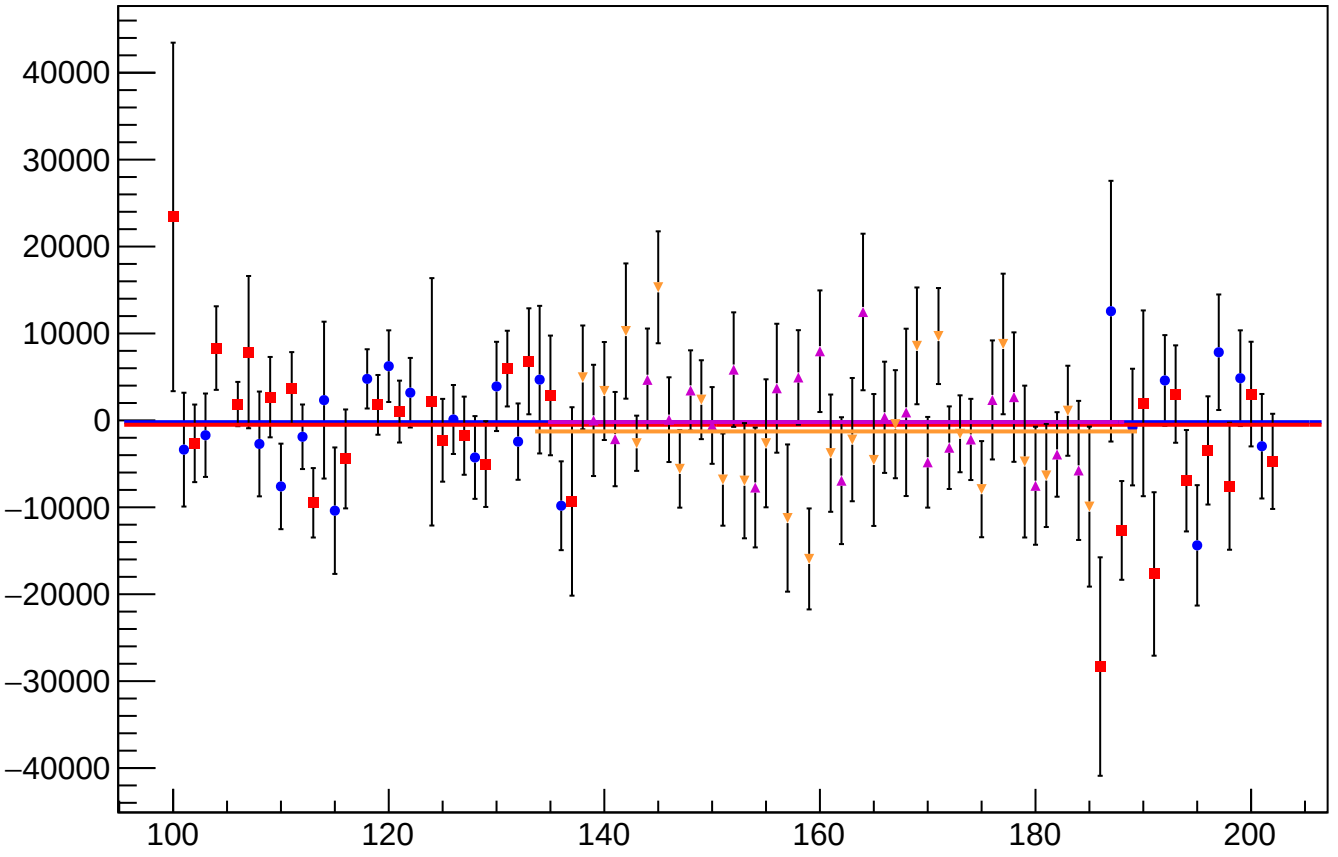
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1789.845+/-0.248 χ^2/NDF: 1229614.9/51

In: 1858.834+/-0.239 χ^2/NDF:798560.0/45

Out: 1836.727+/-0.225 χ^2/NDF:897485.2/53

All: 1847.139+/-0.164 χ^2/NDF: 1700574.2/99



Right In: -204.246+/-1076.009 χ^2/NDF: 24.1/22

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -502.332+/-954.156 χ^2/NDF: 36.7/28

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

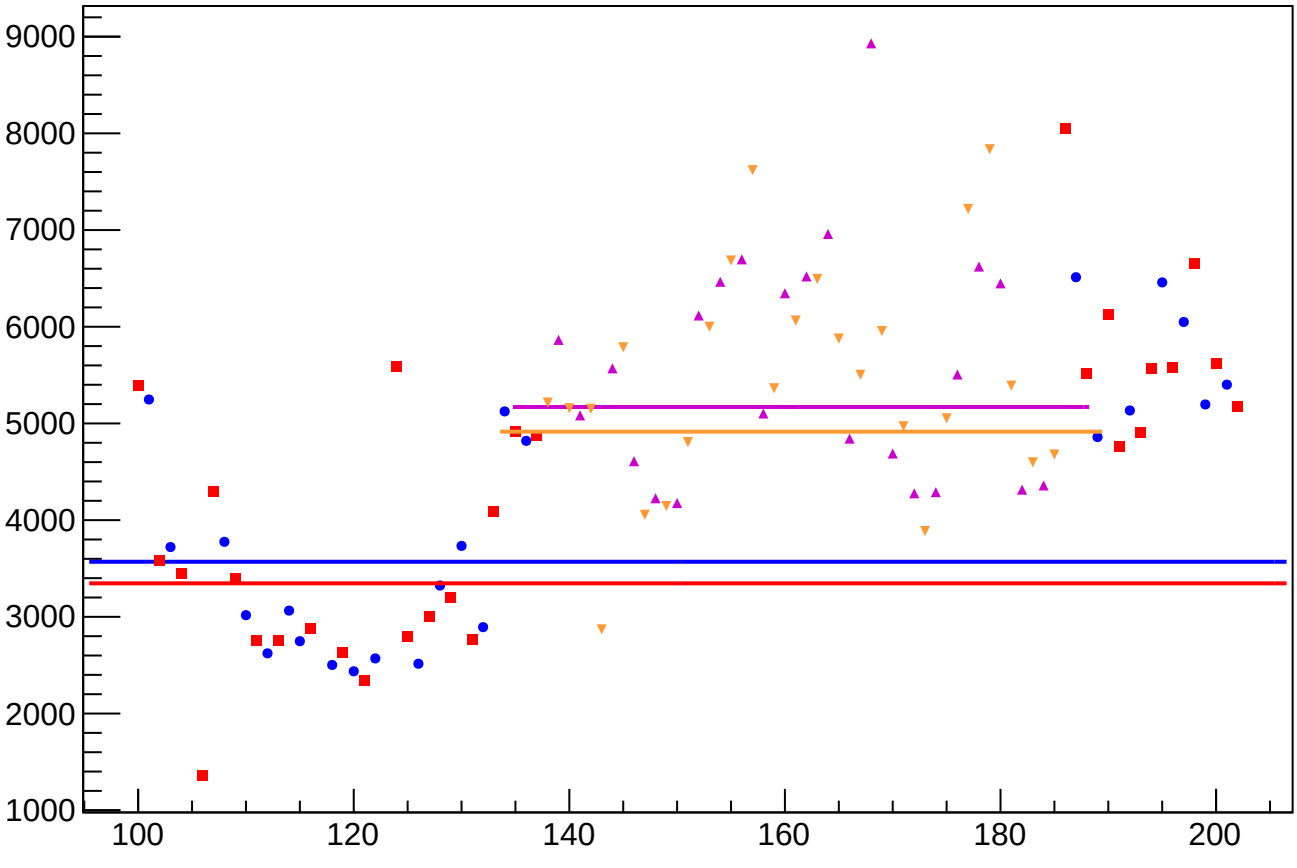
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -371.117+/-713.901 χ^2/NDF: 60.8/51

In: -201.082+/-811.149 χ^2/NDF:36.8/45

Out: -813.262+/-735.902 χ^2/NDF:70.4/53

All: -536.878+/-545.027 χ^2/NDF: 107.5/99



Right In: 3569.624+/-0.761 χ^2/NDF: 2494433.0/22

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3346.426+/-0.675 χ^2/NDF: 4282815.4/28

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

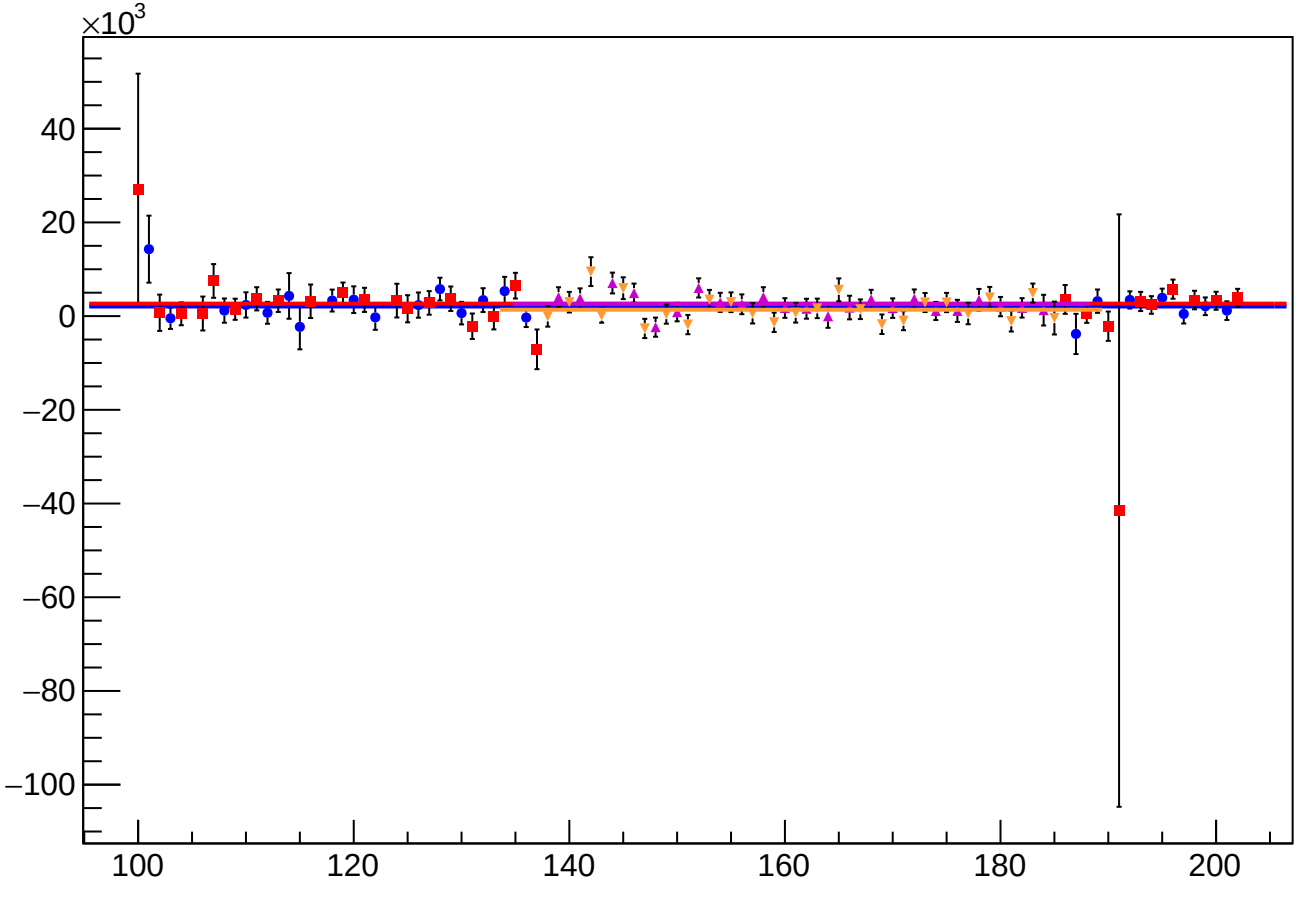
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3444.676+/-0.505 χ^2/NDF: 6825423.1/51

In: 4260.535+/-0.574 χ^2/NDF:5753216.2/45

Out: 3982.046+/-0.520 χ^2/NDF:8639638.4/53

All: 4107.777+/-0.385 χ^2/NDF: 14522167.0/9



Right In: 2055.407+/-516.535 χ^2/NDF: 16.8/22

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2663.991+/-479.441 χ^2/NDF: 24.8/28

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

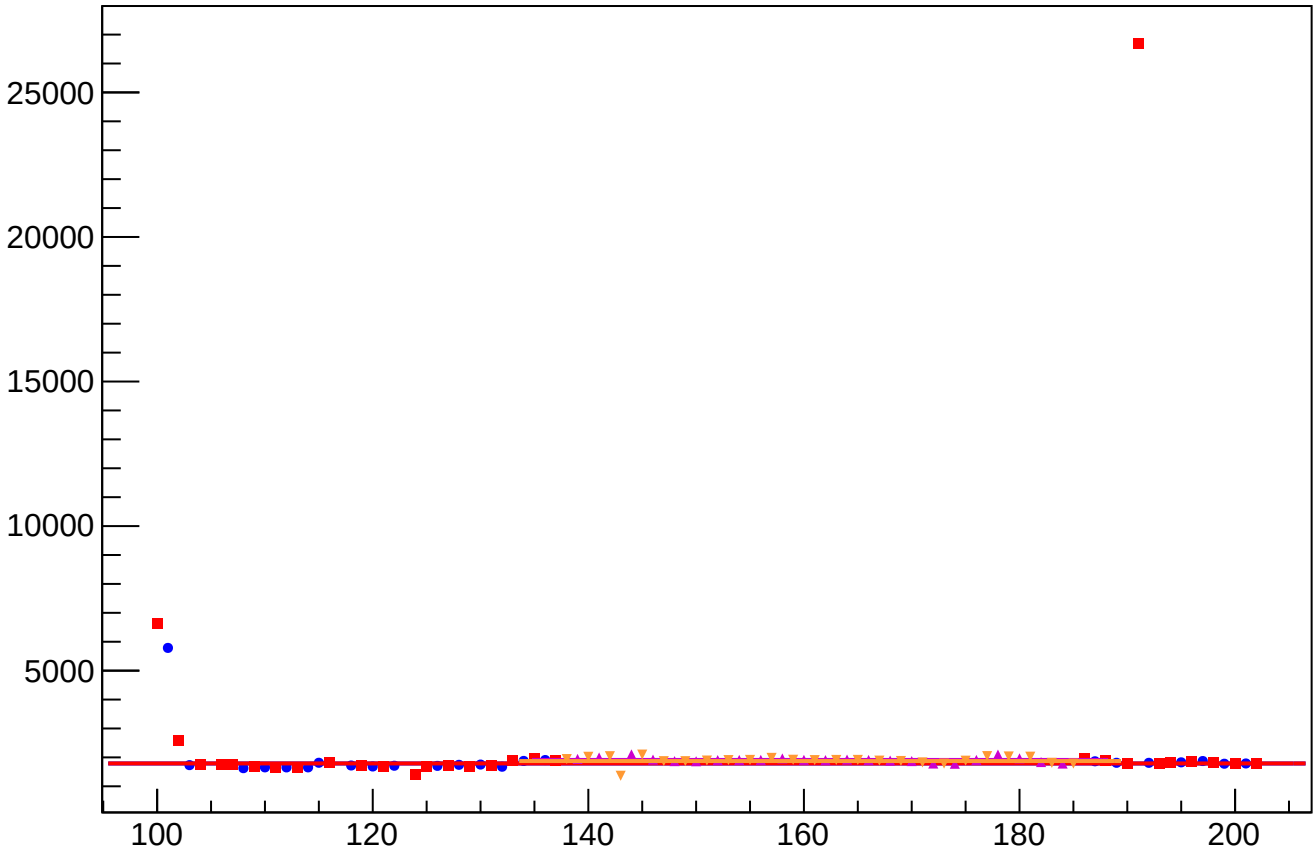
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2382.334+/-351.398 χ^2/NDF: 42.4/51

In: 2368.576+/-337.896 χ^2/NDF:37.5/45

Out: 1939.472+/-319.008 χ^2/NDF:65.0/53

All: 2141.696+/-231.963 χ^2/NDF: 103.4/99



Right In: 1788.530+/-0.365 χ^2/NDF: 674654.8/22

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1790.976+/-0.339 χ^2/NDF: 554936.0/28

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

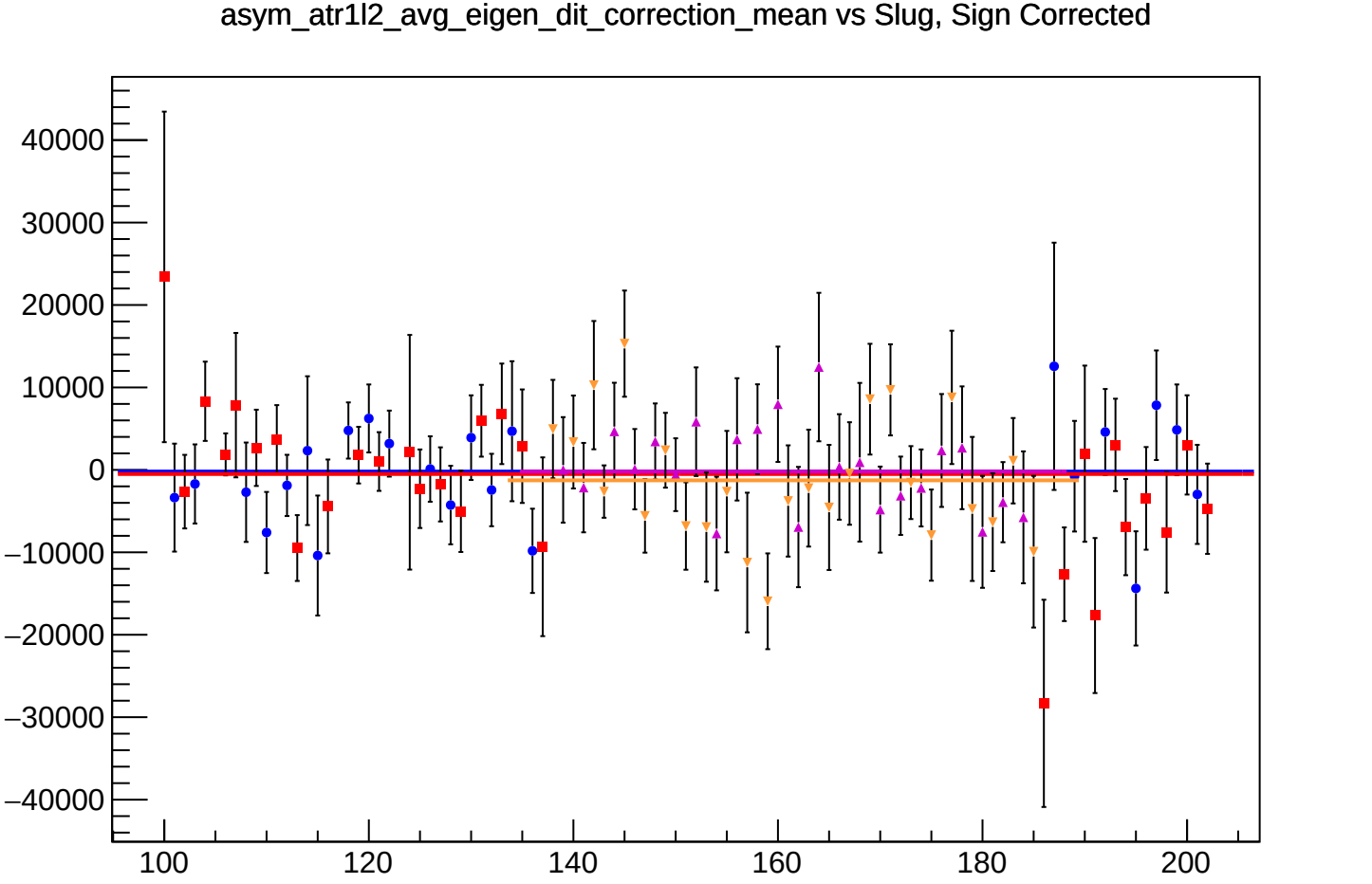
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1789.845+/-0.248 χ^2/NDF: 1229614.9/51

In: 1858.835+/-0.239 χ^2/NDF:798563.4/45

Out: 1836.728+/-0.225 χ^2/NDF:897489.4/53

All: 1847.139+/-0.164 χ^2/NDF: 1700581.9/99



Right In: -204.243+/-1076.006 χ^2/NDF: 24.1/22

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -502.324+/-954.153 χ^2/NDF: 36.7/28

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

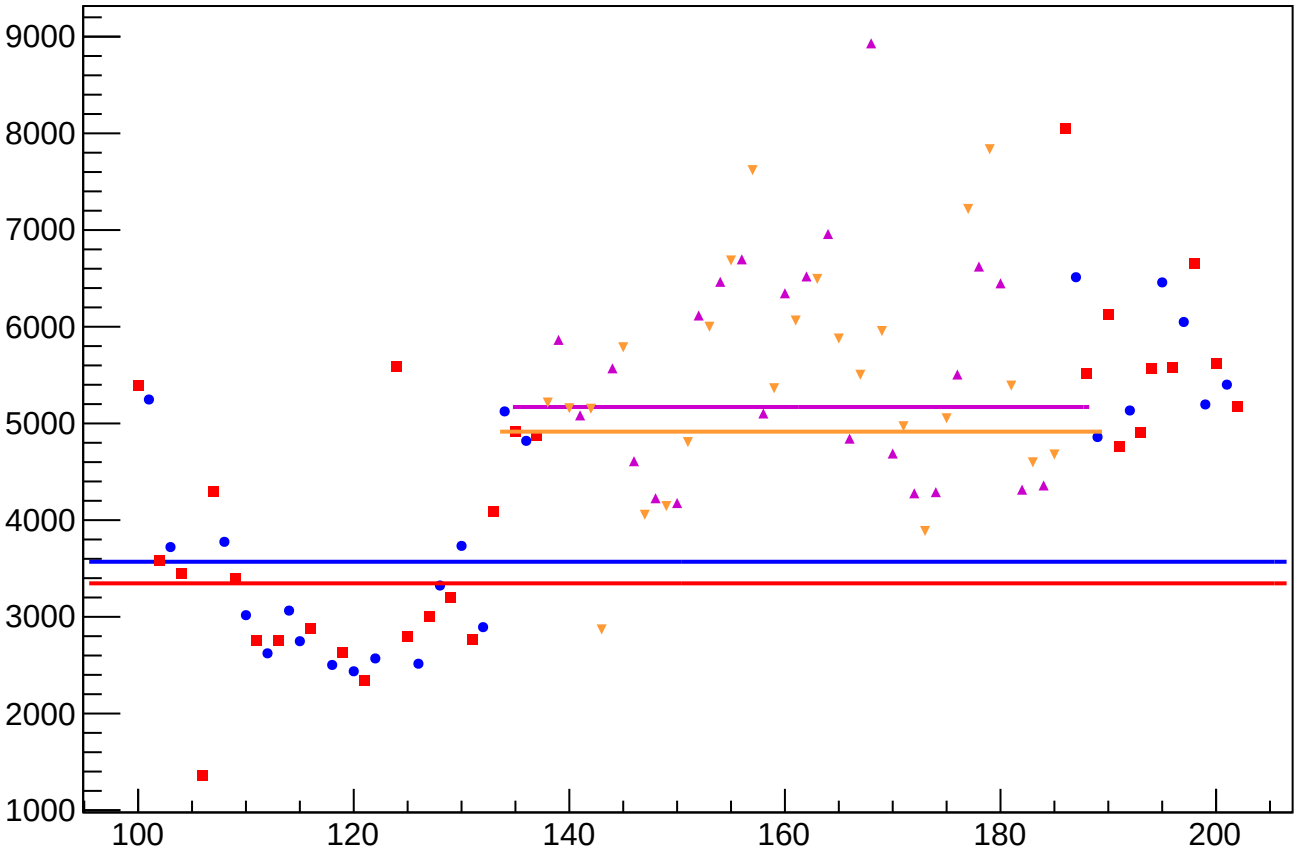
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -371.110+/-713.899 χ^2/NDF: 60.8/51

In: -201.080+/-811.149 χ^2/NDF:36.8/45

Out: -813.258+/-735.901 χ^2/NDF:70.4/53

All: -536.875+/-545.026 χ^2/NDF: 107.5/99



Right In: 3569.613+/-0.761 χ^2/NDF: 2494465.2/22

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3346.412+/-0.675 χ^2/NDF: 4282871.0/28

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

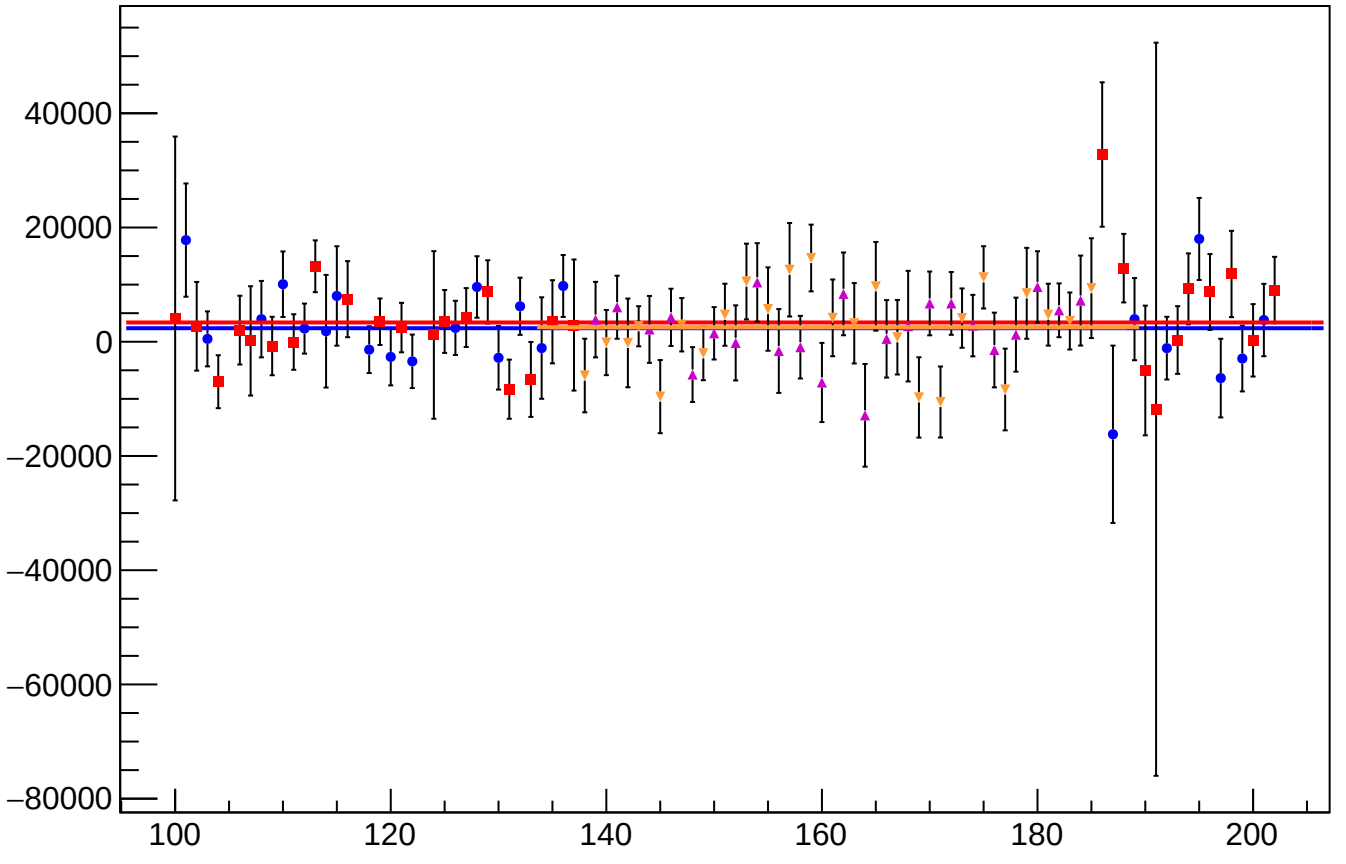
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3444.664+/-0.505 χ^2/NDF: 6825512.1/51

In: 4260.529+/-0.574 χ^2/NDF:5753295.7/45

Out: 3982.037+/-0.520 χ^2/NDF:8639758.1/53

All: 4107.769+/-0.385 χ^2/NDF: 14522368.7/9



Right In: 2365.974+/-1215.033 χ^2/NDF: 22.6/22

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3374.683+/-1151.665 χ^2/NDF: 32.6/28

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

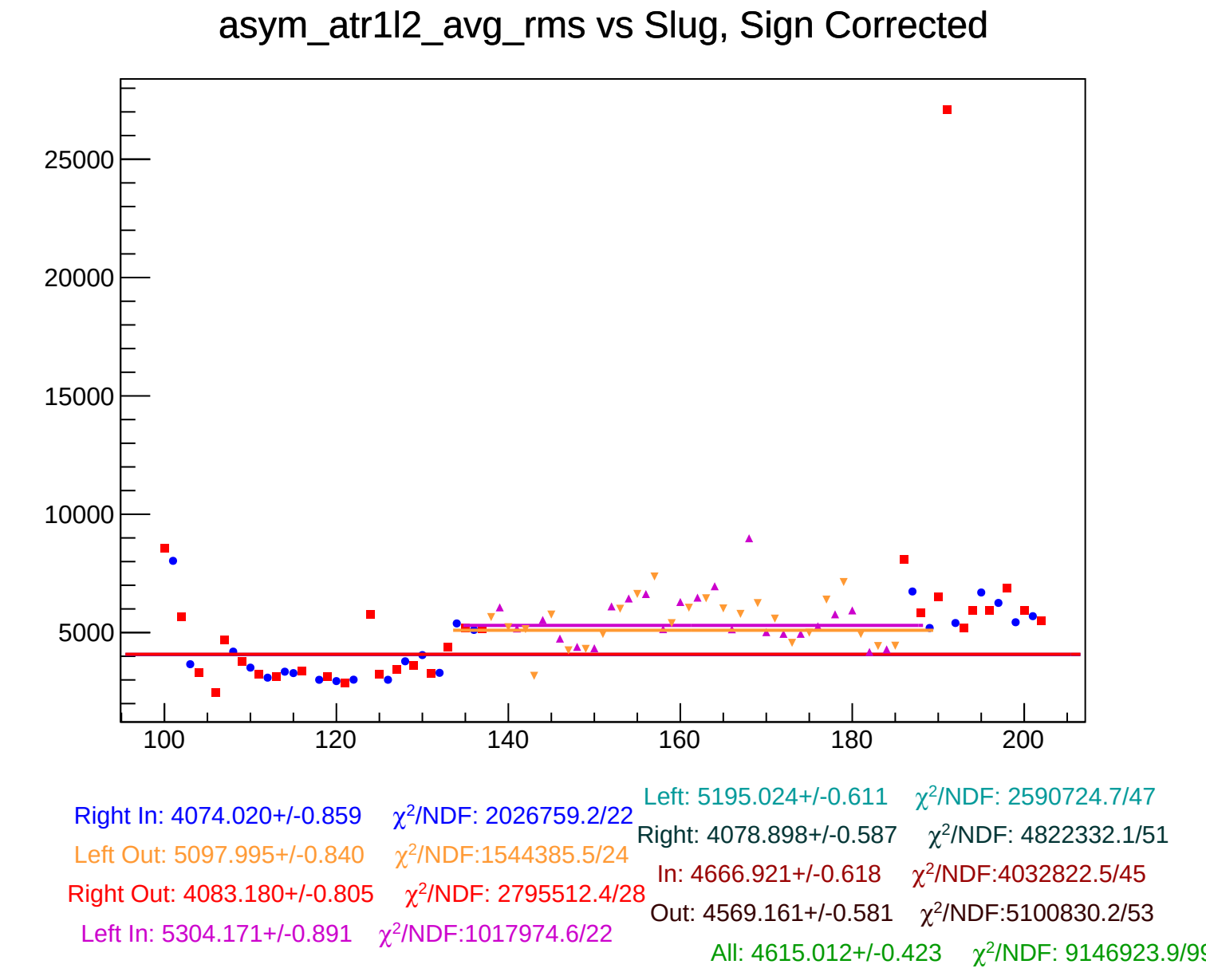
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

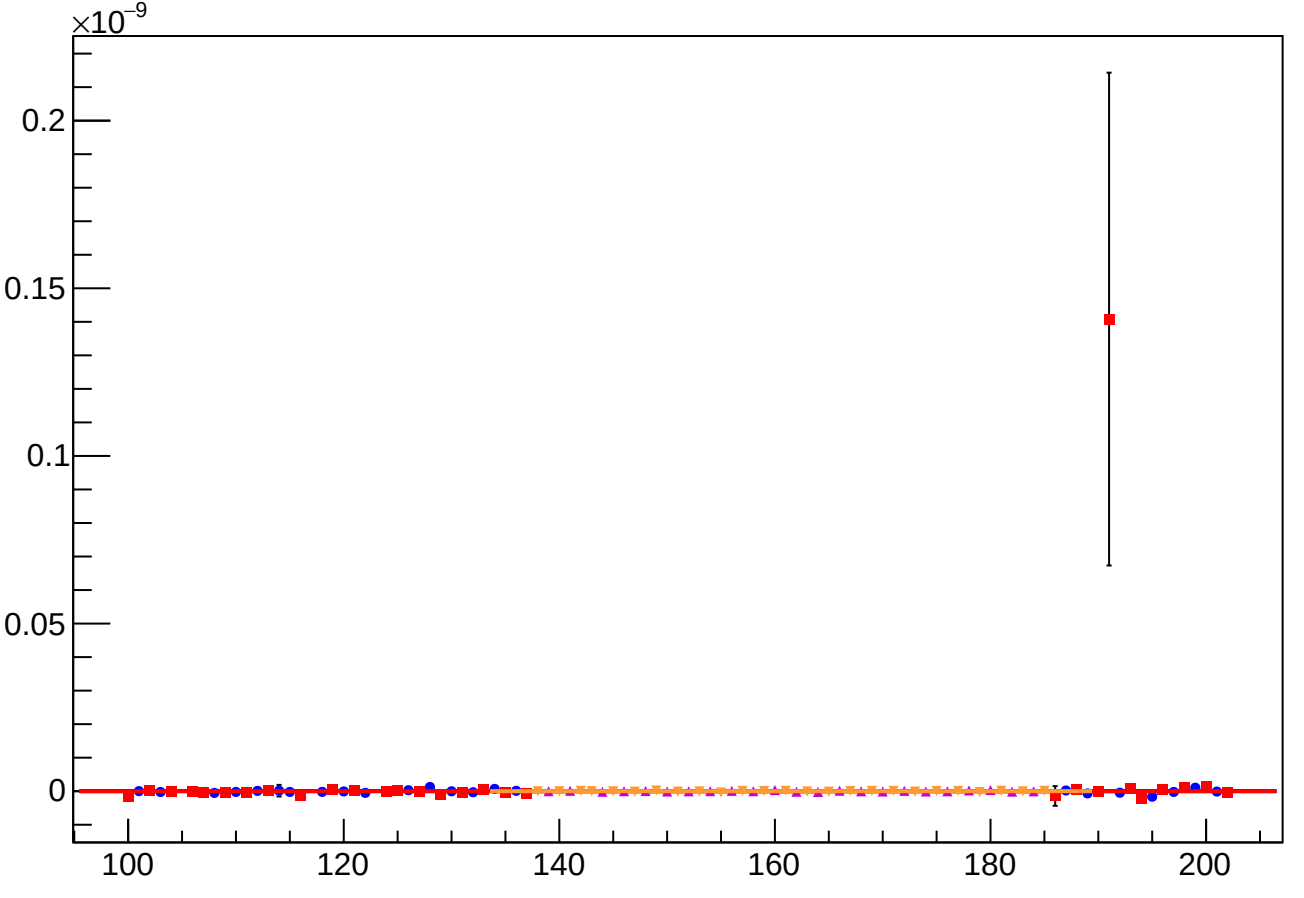
Right: 2897.317+/-835.855 χ^2/NDF: 55.6/51

In: 2393.467+/-874.507 χ^2/NDF:37.6/45

Out: 2973.612+/-826.785 χ^2/NDF:62.0/53

All: 2699.800+/-600.788 χ^2/NDF: 99.8/99


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4074.020+/-0.859 χ²/NDF: 2026759.2/22
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4083.180+/-0.805 χ²/NDF: 2795512.4/28
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4078.898+/-0.587 χ²/NDF: 4822332.1/51
In: 4666.921+/-0.618 χ²/NDF:4032822.5/45
Out: 4569.161+/-0.581 χ²/NDF:5100830.2/53
All: 4615.012+/-0.423 χ²/NDF: 9146923.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/28

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

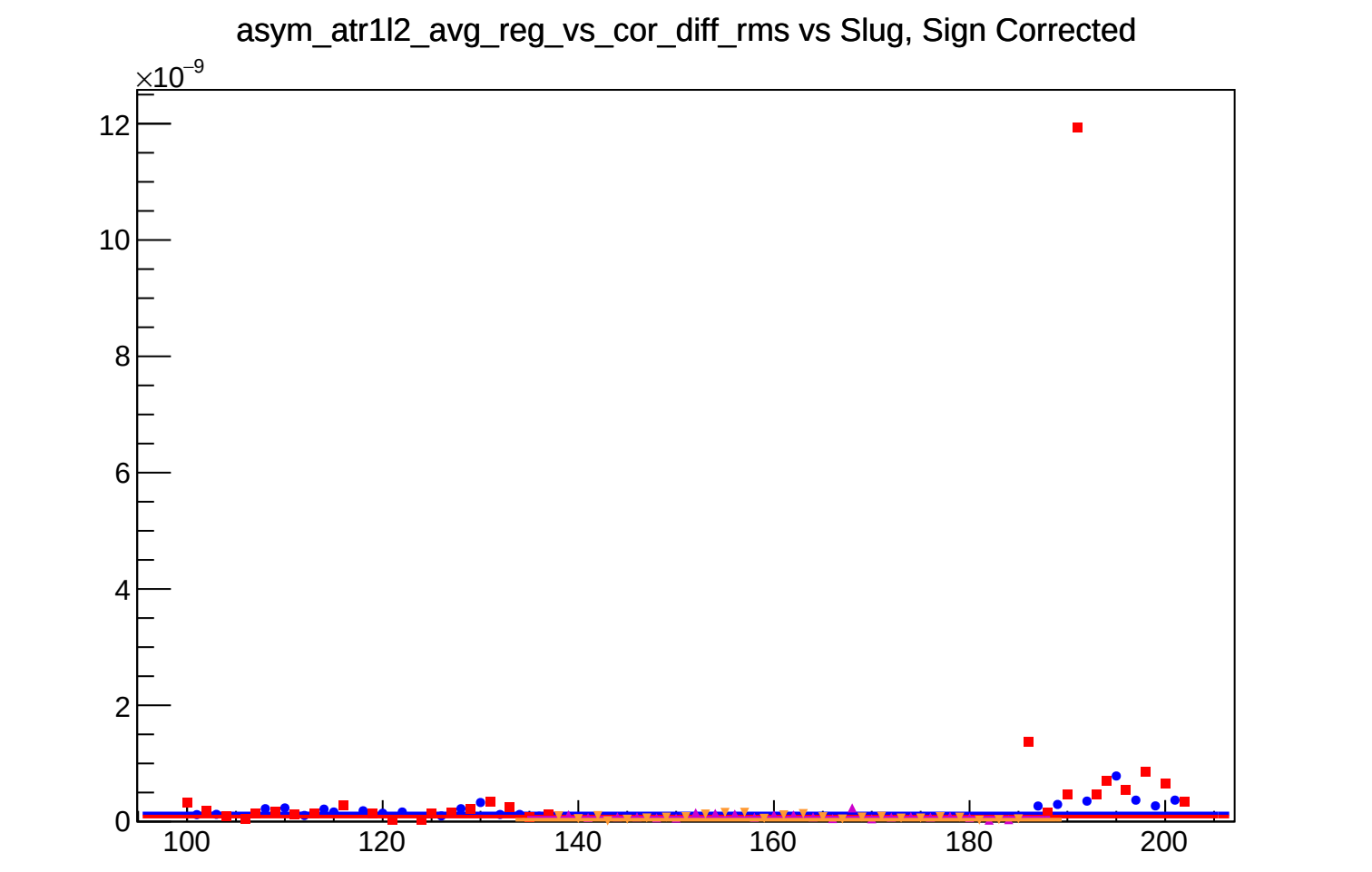
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

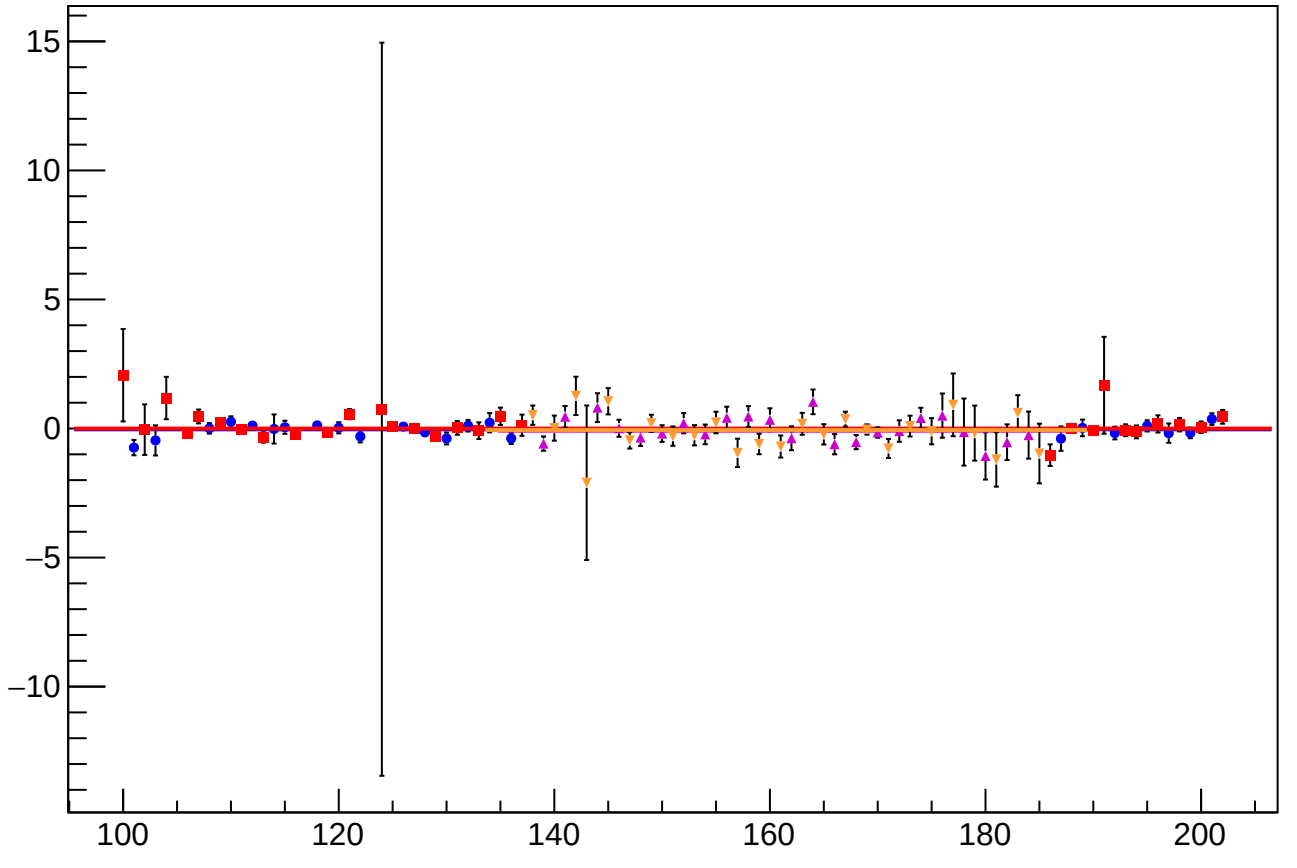
Right: 0.000+/-0.000 χ^2/NDF: 64.0/51

In: 0.000+/-0.000 χ^2/NDF:48.6/45

Out: 0.000+/-0.000 χ^2/NDF:53.6/53

All: 0.000+/-0.000 χ^2/NDF: 102.2/99


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2256661.2/22
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6439432.3/28
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 9443008.7/51
In: 0.000+/-0.000 χ²/NDF:6519027.1/45
Out: 0.000+/-0.000 χ²/NDF:14509597.6/53
All: 0.000+/-0.000 χ²/NDF: 24304279.5/99



Right In: -0.031+/-0.049 χ^2/NDF: 23.0/22

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.004+/-0.041 χ^2/NDF: 39.8/28

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

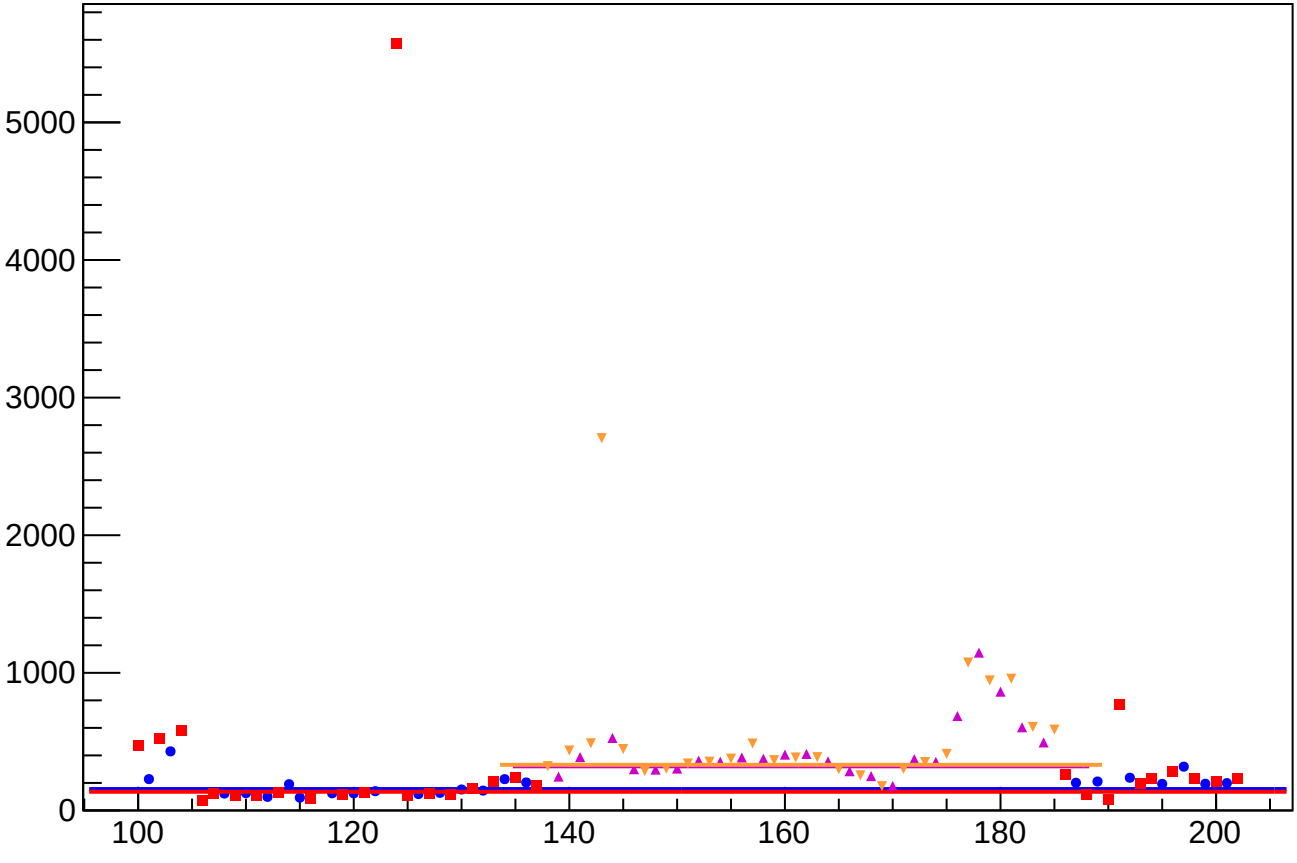
Right: -0.015+/-0.032 χ^2/NDF: 63.0/51

In: -0.045+/-0.042 χ^2/NDF:50.3/45

Out: -0.015+/-0.037 χ^2/NDF:71.0/53

All: -0.028+/-0.028 χ^2/NDF: 121.6/99

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.436+/-0.034 χ^2/NDF: 2357006.8/22

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601019.2/28

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

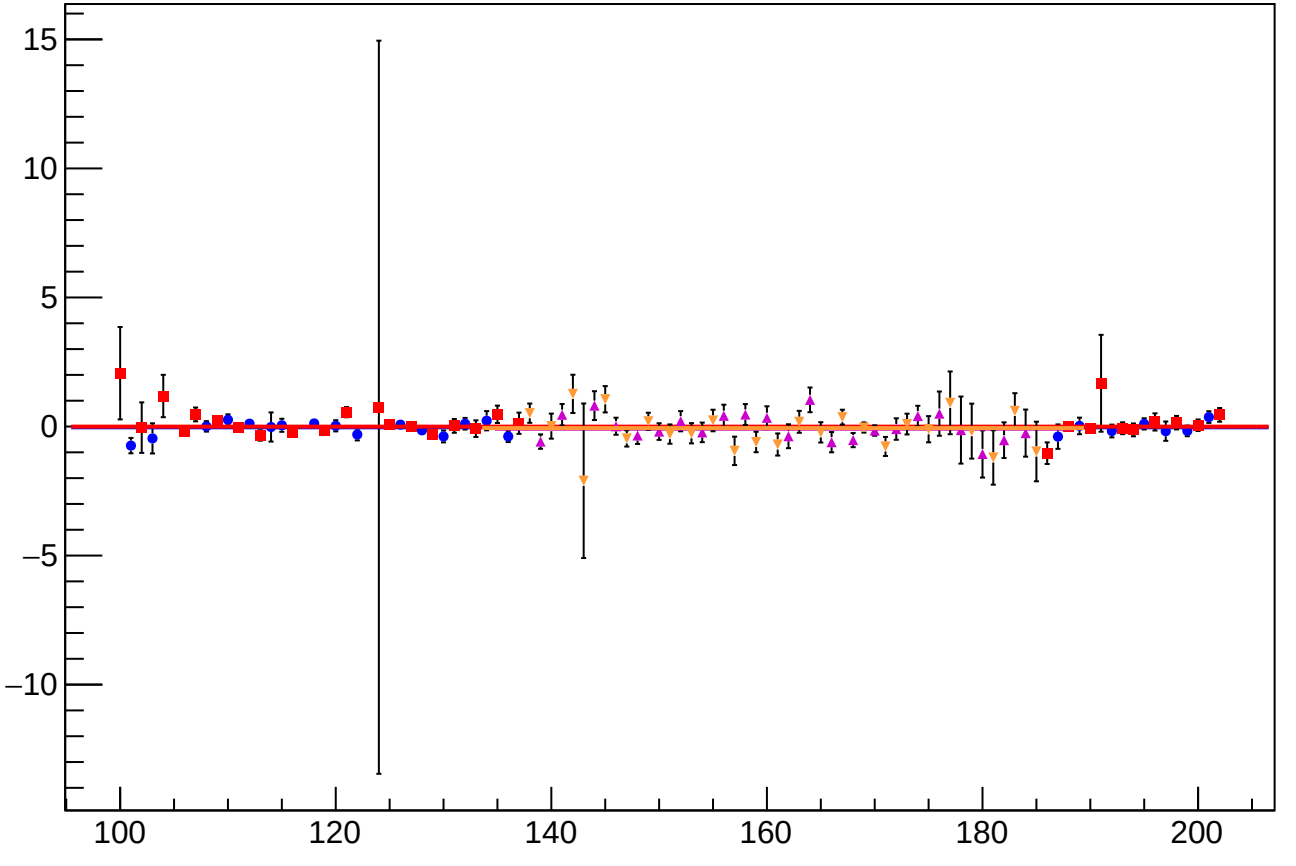
Right: 144.154+/-0.022 χ^2/NDF: 7143915.2/51

In: 199.137+/-0.030 χ^2/NDF:12711200.9/45

Out: 174.563+/-0.026 χ^2/NDF:19217438.4/53

All: 185.439+/-0.020 χ^2/NDF: 32315375.6/99

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.049 χ^2/NDF: 23.0/22

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.004+/-0.041 χ^2/NDF: 39.8/28

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

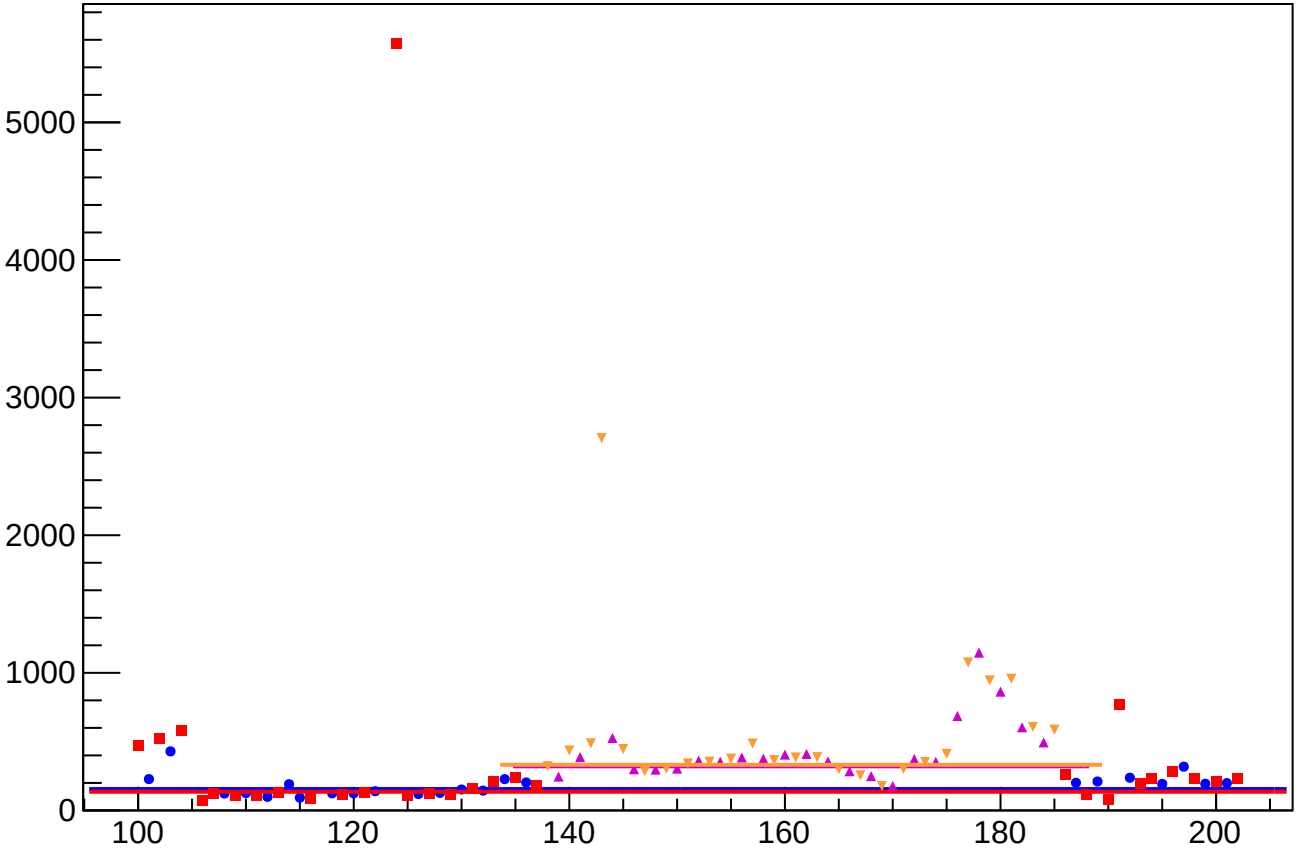
Right: -0.015+/-0.032 χ^2/NDF: 63.0/51

In: -0.045+/-0.042 χ^2/NDF:50.3/45

Out: -0.015+/-0.037 χ^2/NDF:71.0/53

All: -0.028+/-0.028 χ^2/NDF: 121.6/99

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.436+/-0.034 χ^2/NDF: 2357006.8/22

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601019.2/28

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

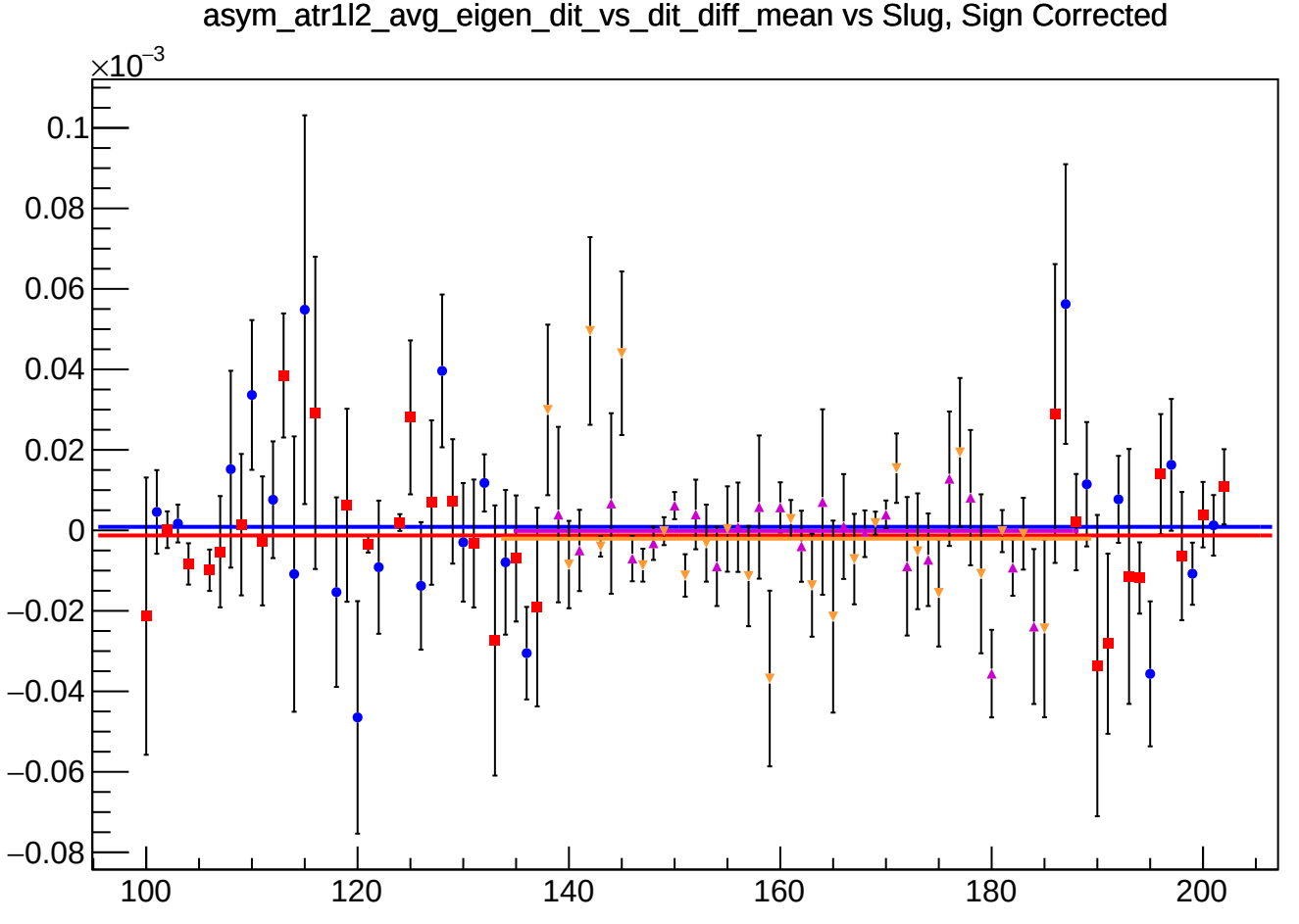
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 144.154+/-0.022 χ^2/NDF: 7143915.2/51

In: 199.137+/-0.030 χ^2/NDF:12711200.9/45

Out: 174.563+/-0.026 χ^2/NDF:19217438.4/53

All: 185.439+/-0.020 χ^2/NDF: 32315375.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

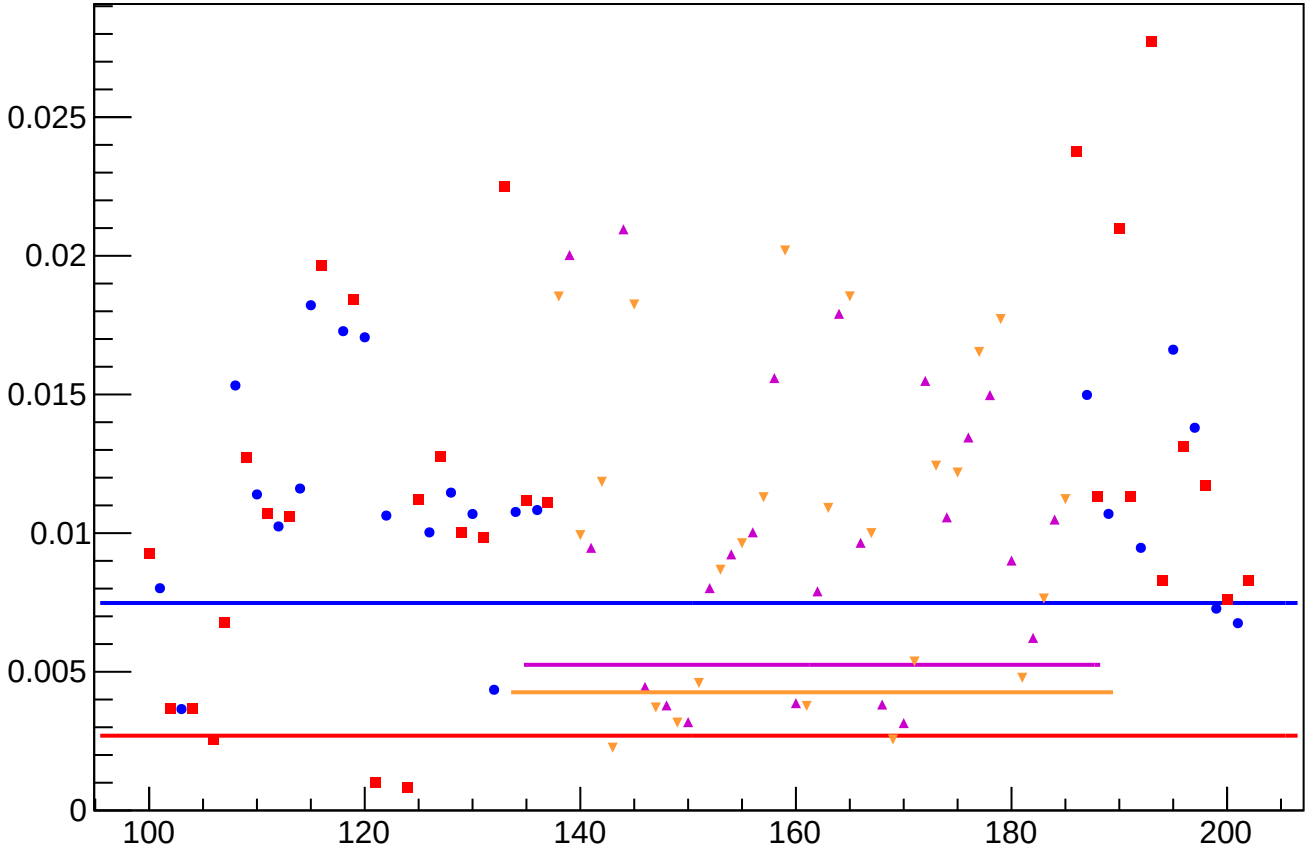
Right: -0.000+/-0.000 χ^2/NDF: 63.1/51

In: 0.000+/-0.000 χ^2/NDF:59.5/45

Out: -0.000+/-0.000 χ^2/NDF:63.0/53

All: -0.000+/-0.000 χ^2/NDF: 123.9/99

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4401625.9/22

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 17137362.5/28

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

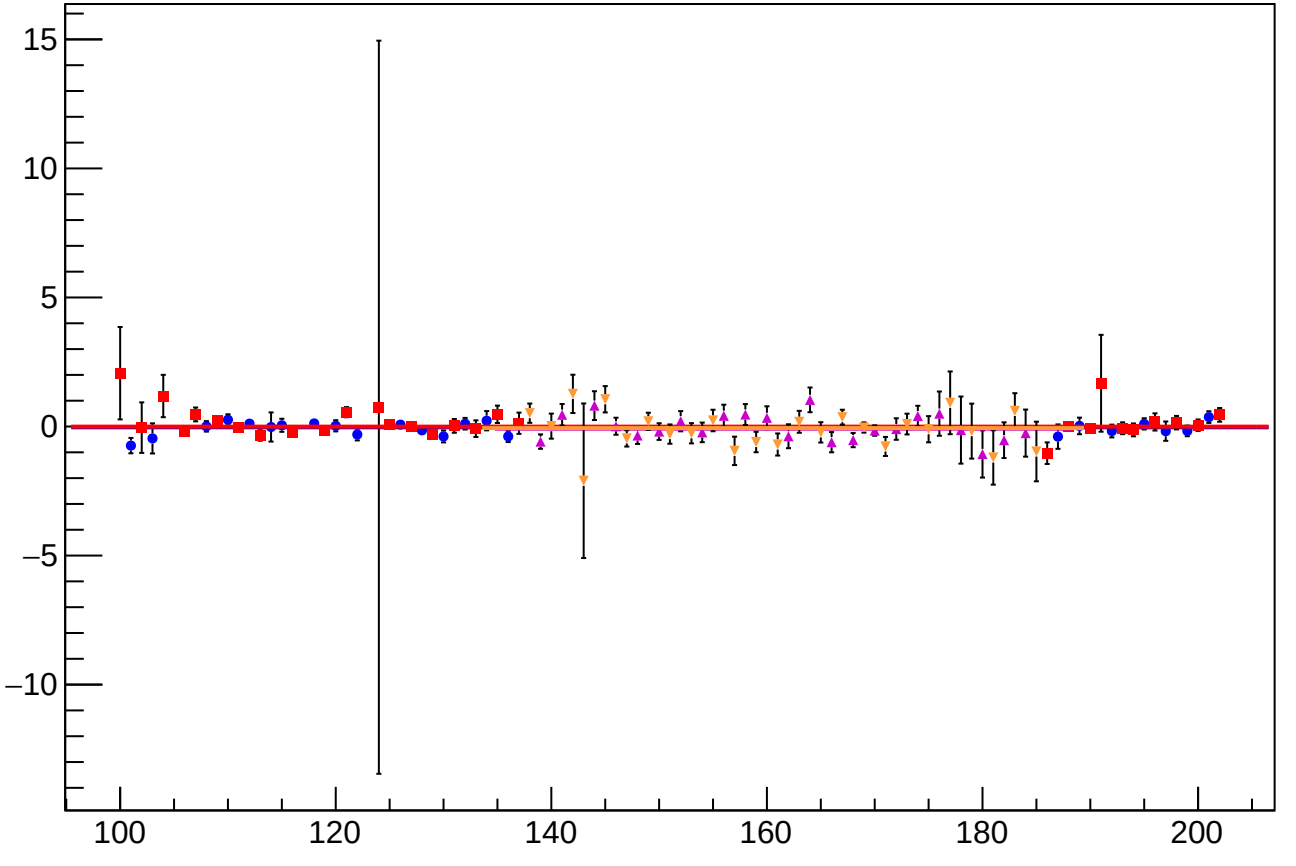
Right: 0.004+/-0.000 χ^2/NDF: 27743041.3/51

In: 0.006+/-0.000 χ^2/NDF:15138924.5/45

Out: 0.003+/-0.000 χ^2/NDF:31743334.7/53

All: 0.004+/-0.000 χ^2/NDF: 51762904.6/99

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.049 χ^2/NDF: 23.0/22

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.004+/-0.041 χ^2/NDF: 39.8/28

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

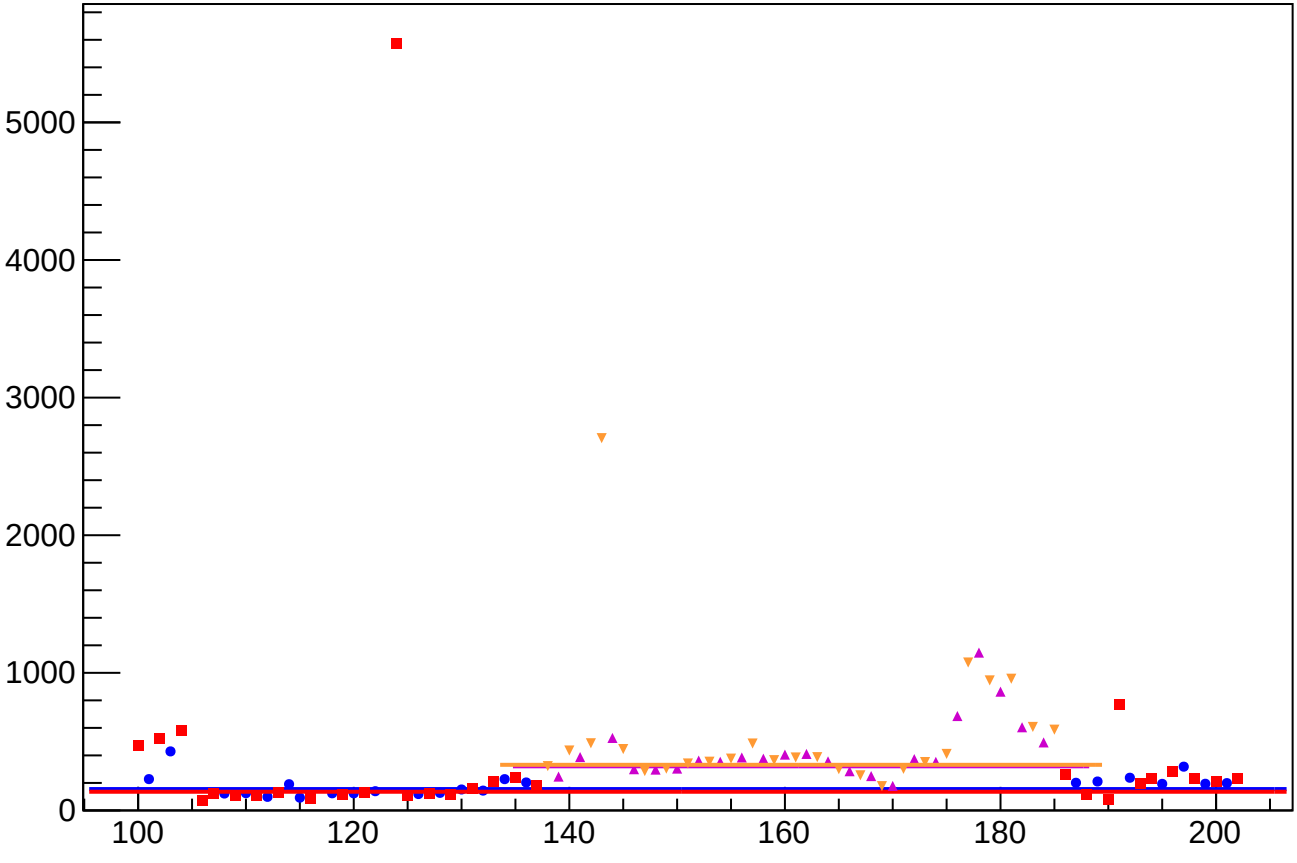
Right: -0.015+/-0.032 χ^2/NDF: 63.0/51

In: -0.045+/-0.042 χ^2/NDF:50.3/45

Out: -0.015+/-0.037 χ^2/NDF:71.0/53

All: -0.028+/-0.028 χ^2/NDF: 121.6/99

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.437+/-0.034 χ^2/NDF: 2356925.7/22

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601011.2/28

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

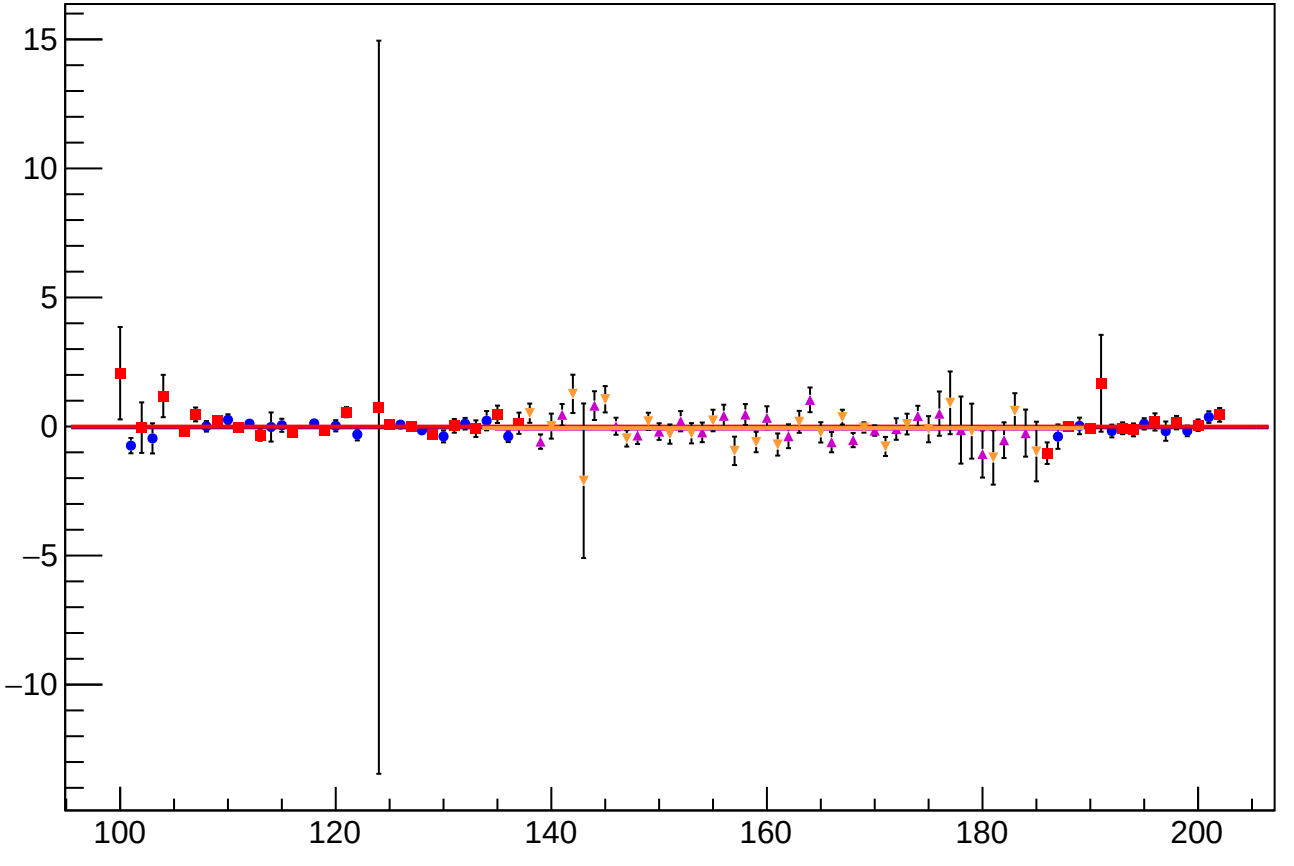
Right: 144.154+/-0.022 χ^2/NDF: 7143850.9/51

In: 199.138+/-0.030 χ^2/NDF:12711168.2/45

Out: 174.562+/-0.026 χ^2/NDF:19217612.5/53

All: 185.439+/-0.020 χ^2/NDF: 32315564.0/99

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.049 χ^2/NDF: 23.0/22

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.004+/-0.041 χ^2/NDF: 39.8/28

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

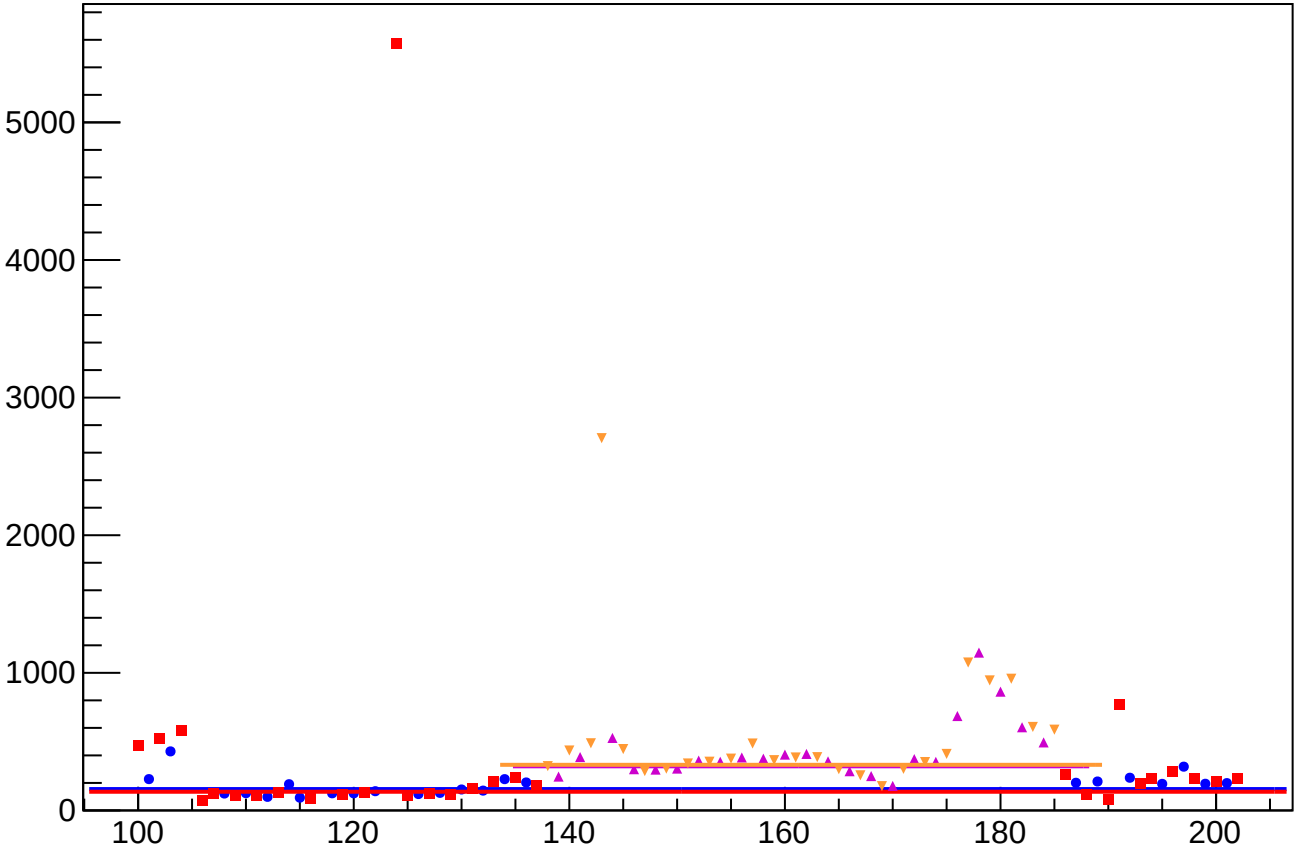
Right: -0.015+/-0.032 χ^2/NDF: 63.0/51

In: -0.045+/-0.042 χ^2/NDF:50.3/45

Out: -0.015+/-0.037 χ^2/NDF:71.0/53

All: -0.028+/-0.028 χ^2/NDF: 121.6/99

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.437+/-0.034 χ^2/NDF: 2356925.7/22

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601011.2/28

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

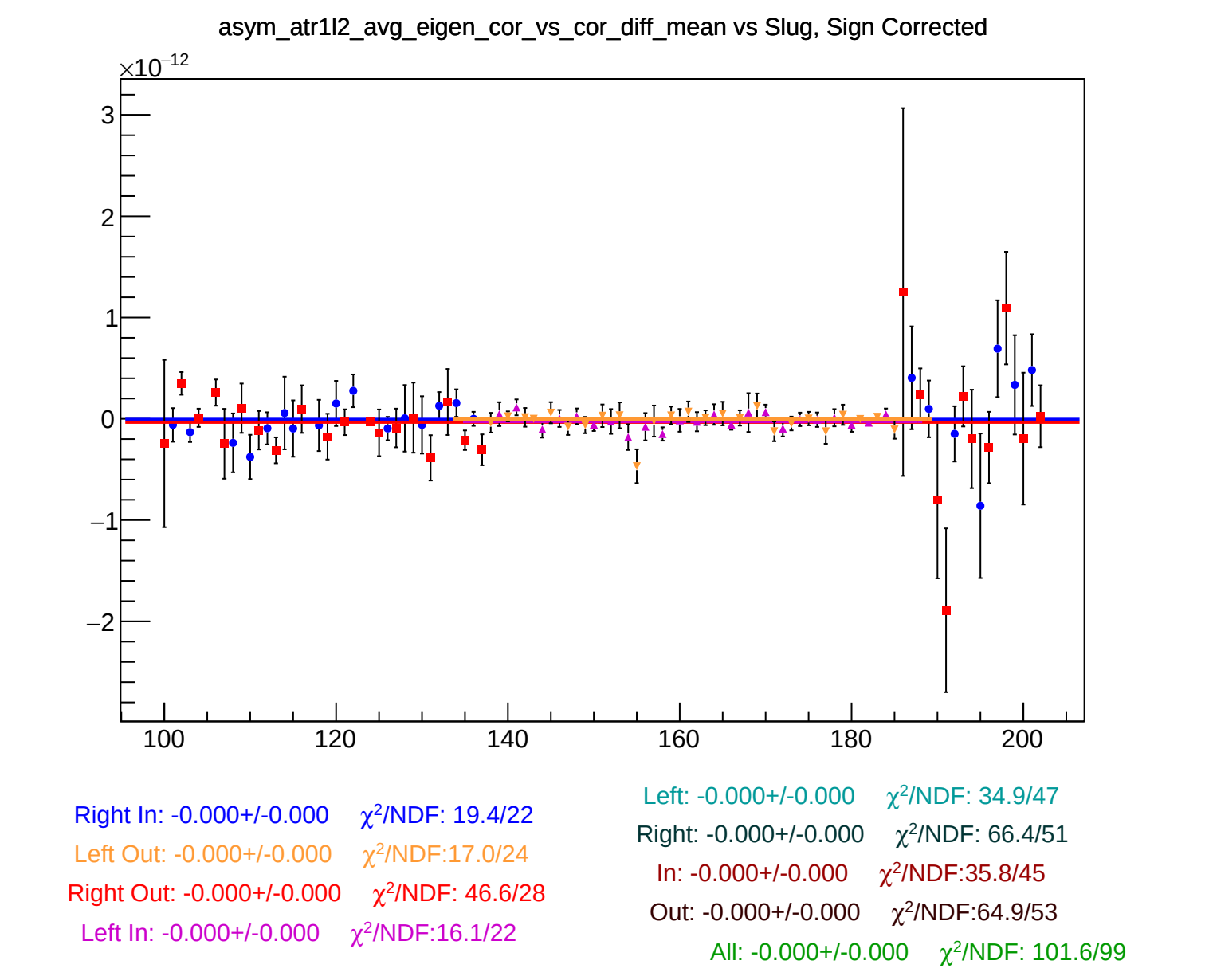
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

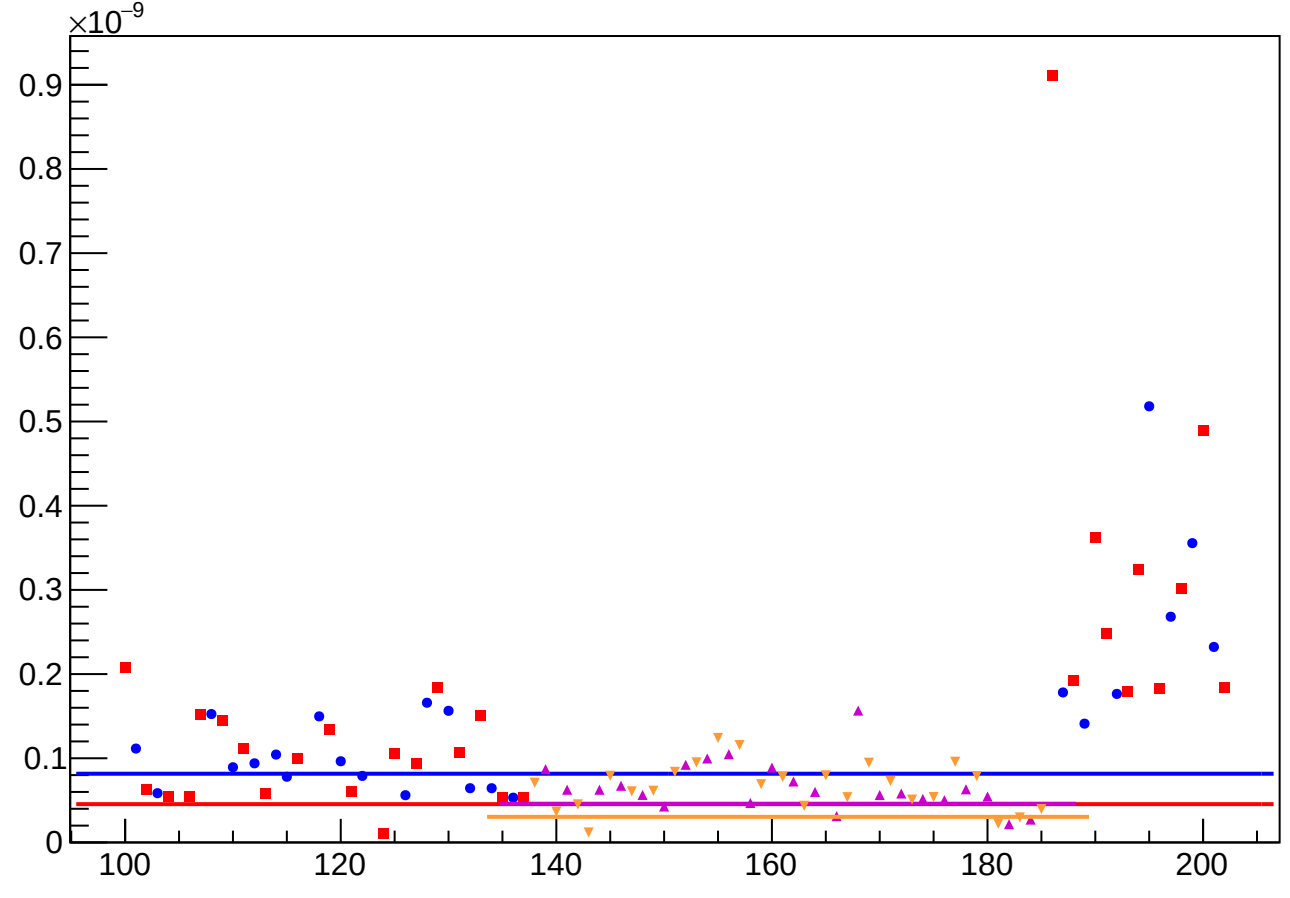
Right: 144.154+/-0.022 χ^2/NDF: 7143850.9/51

In: 199.138+/-0.030 χ^2/NDF:12711168.2/45

Out: 174.562+/-0.026 χ^2/NDF:19217612.5/53

All: 185.439+/-0.020 χ^2/NDF: 32315564.0/99


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.4/22
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.6/28
Left In: -0.000+/-0.000 χ²/NDF:16.1/22
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 66.4/51
In: -0.000+/-0.000 χ²/NDF:35.8/45
Out: -0.000+/-0.000 χ²/NDF:64.9/53
All: -0.000+/-0.000 χ²/NDF: 101.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 3684224.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9108688.9/28

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

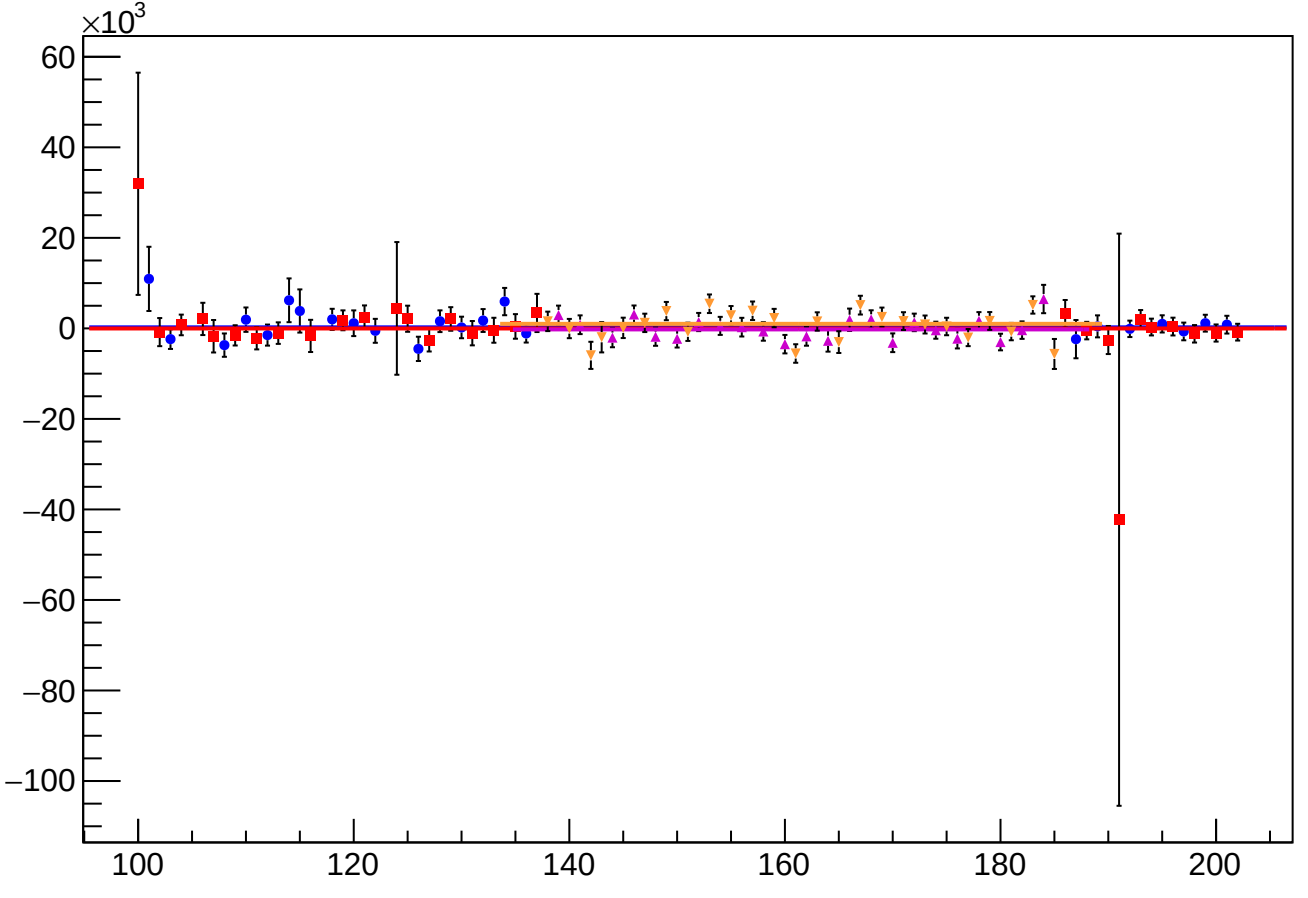
Right: 0.000+/-0.000 χ^2/NDF: 14152475.8/51

In: 0.000+/-0.000 χ^2/NDF:10266589.8/45

Out: 0.000+/-0.000 χ^2/NDF:20241943.9/53

All: 0.000+/-0.000 χ^2/NDF: 32882386.4/99

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 230.639+/-508.789 χ^2/NDF: 18.8/22

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -21.523+/-474.426 χ^2/NDF: 13.3/28

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

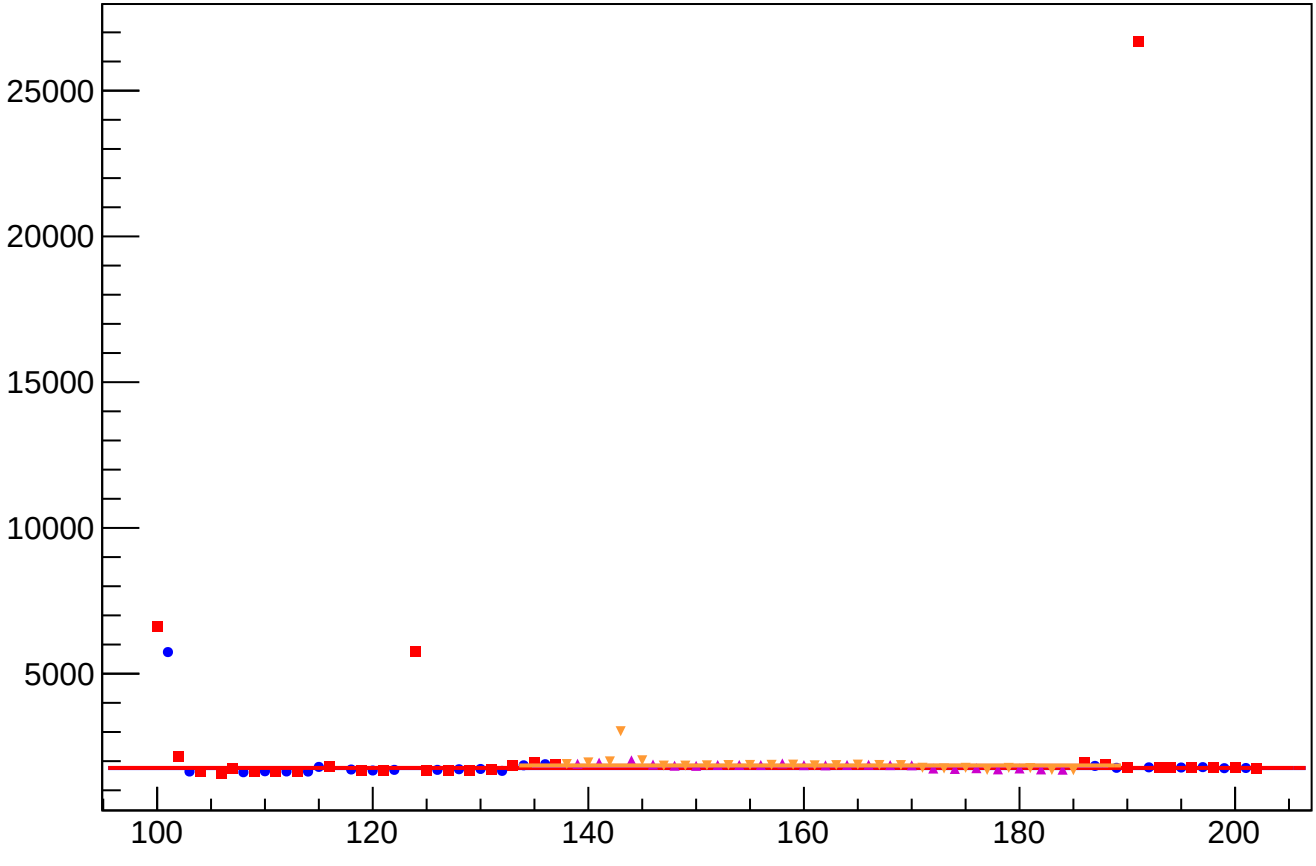
Right: 95.756+/-346.982 χ^2/NDF: 32.2/51

In: -37.830+/-328.285 χ^2/NDF:45.7/45

Out: 550.405+/-315.554 χ^2/NDF:63.2/53

All: 267.914+/-227.498 χ^2/NDF: 110.6/99

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.025+/-0.360 χ^2/NDF: 672064.3/22

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.956+/-0.334 χ^2/NDF: 638143.0/28

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

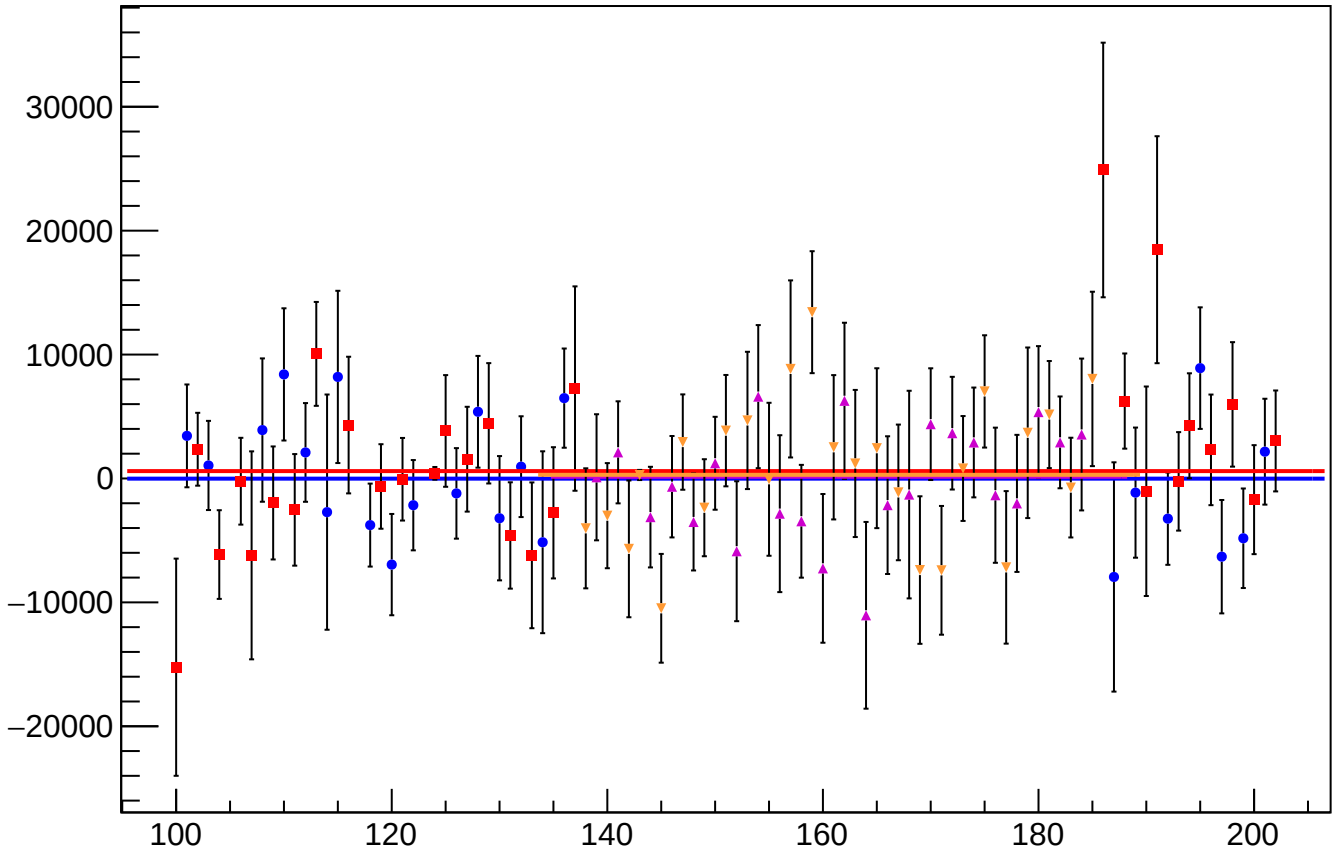
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.209+/-0.245 χ^2/NDF: 1310353.2/51

In: 1806.678+/-0.232 χ^2/NDF:766934.9/45

Out: 1814.955+/-0.223 χ^2/NDF:994778.1/53

All: 1810.988+/-0.161 χ^2/NDF: 1762374.9/99



Right In: -14.364+/-932.196 χ^2/NDF: 23.5/22

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 594.435+/-438.853 χ^2/NDF: 33.9/28

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

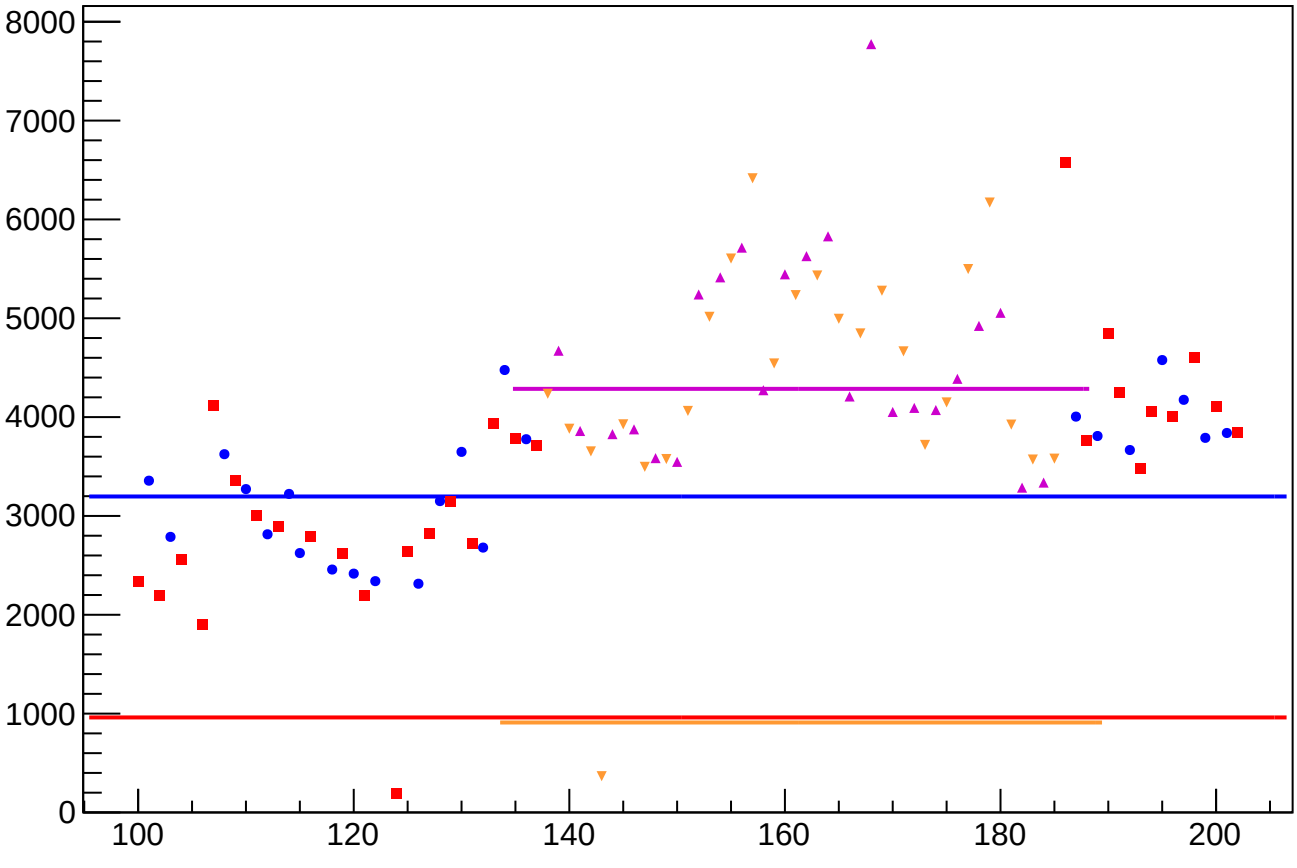
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 483.987+/-397.054 χ^2/NDF: 57.8/51

In: 54.920+/-689.015 χ^2/NDF:37.4/45

Out: 422.938+/-287.238 χ^2/NDF:64.2/53

All: 368.449+/-265.123 χ^2/NDF: 101.8/99



Right In: 3196.904+/-0.659 χ^2/NDF: 1033967.4/22

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 961.332+/-0.310 χ^2/NDF: 19075784.0/28

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

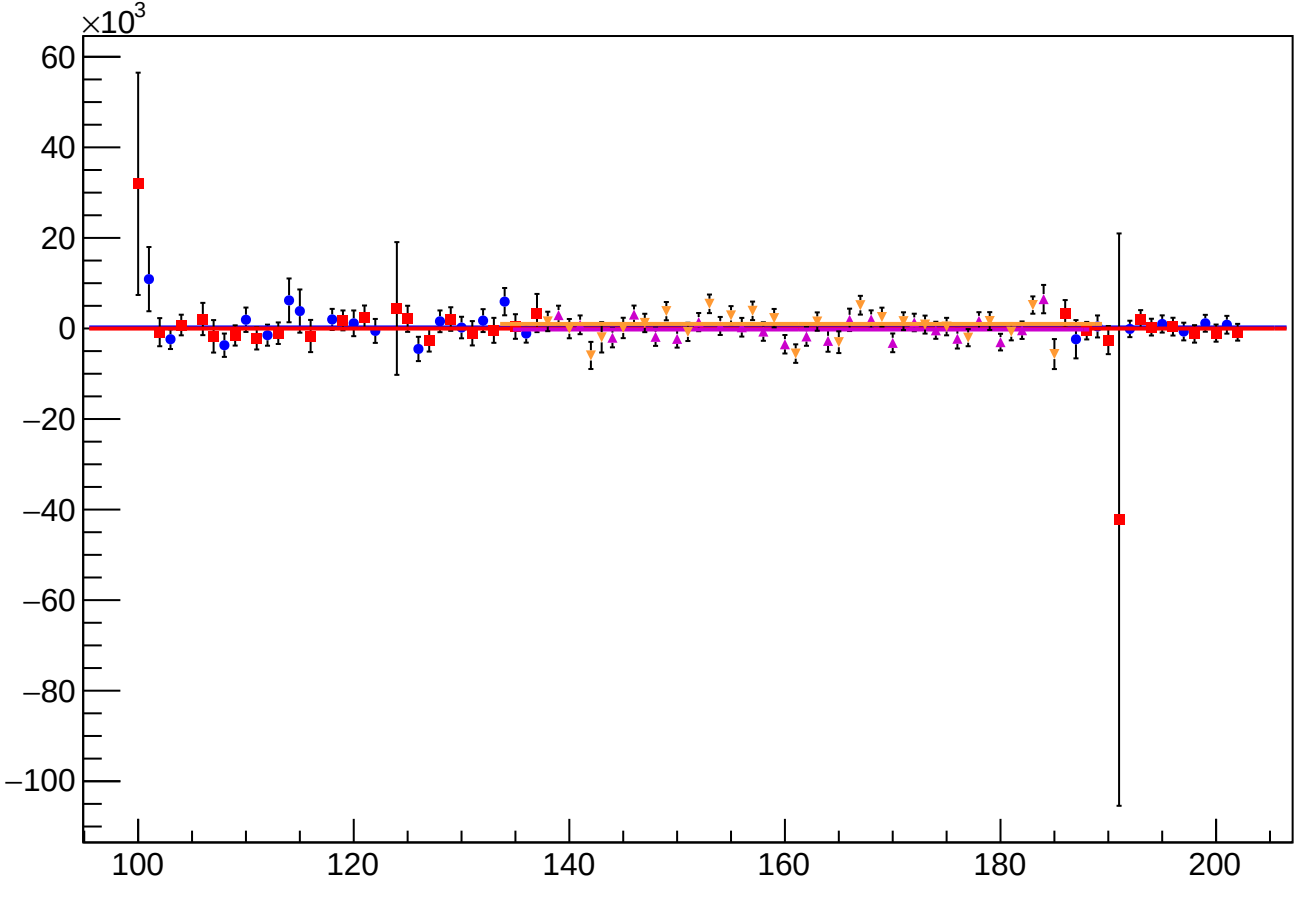
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1366.910+/-0.281 χ^2/NDF: 29525482.3/51

In: 3690.937+/-0.487 χ^2/NDF:3600066.7/45

Out: 932.068+/-0.203 χ^2/NDF:45865466.7/53

All: 1340.544+/-0.187 χ^2/NDF: 76783252.1/9



Right In: 230.447+/-508.789 χ^2/NDF: 18.8/22

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -21.541+/-474.426 χ^2/NDF: 13.3/28

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

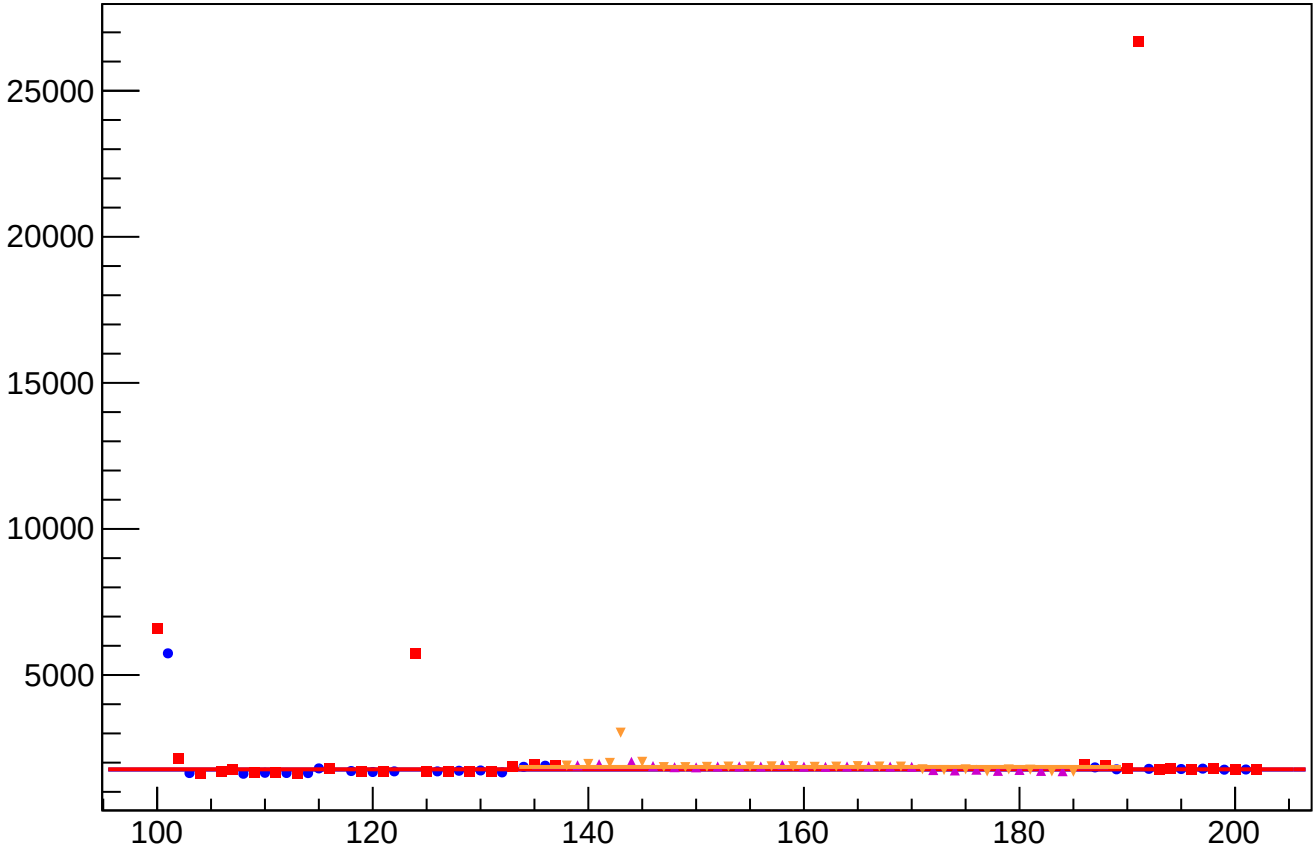
Right: 95.657+/-346.982 χ^2/NDF: 32.2/51

In: -37.861+/-328.285 χ^2/NDF:45.6/45

Out: 550.374+/-315.554 χ^2/NDF:63.2/53

All: 267.883+/-227.498 χ^2/NDF: 110.5/99

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.025+/-0.360 χ^2/NDF: 672064.5/22

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1771.591+/-0.335 χ^2/NDF: 629840.2/28

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

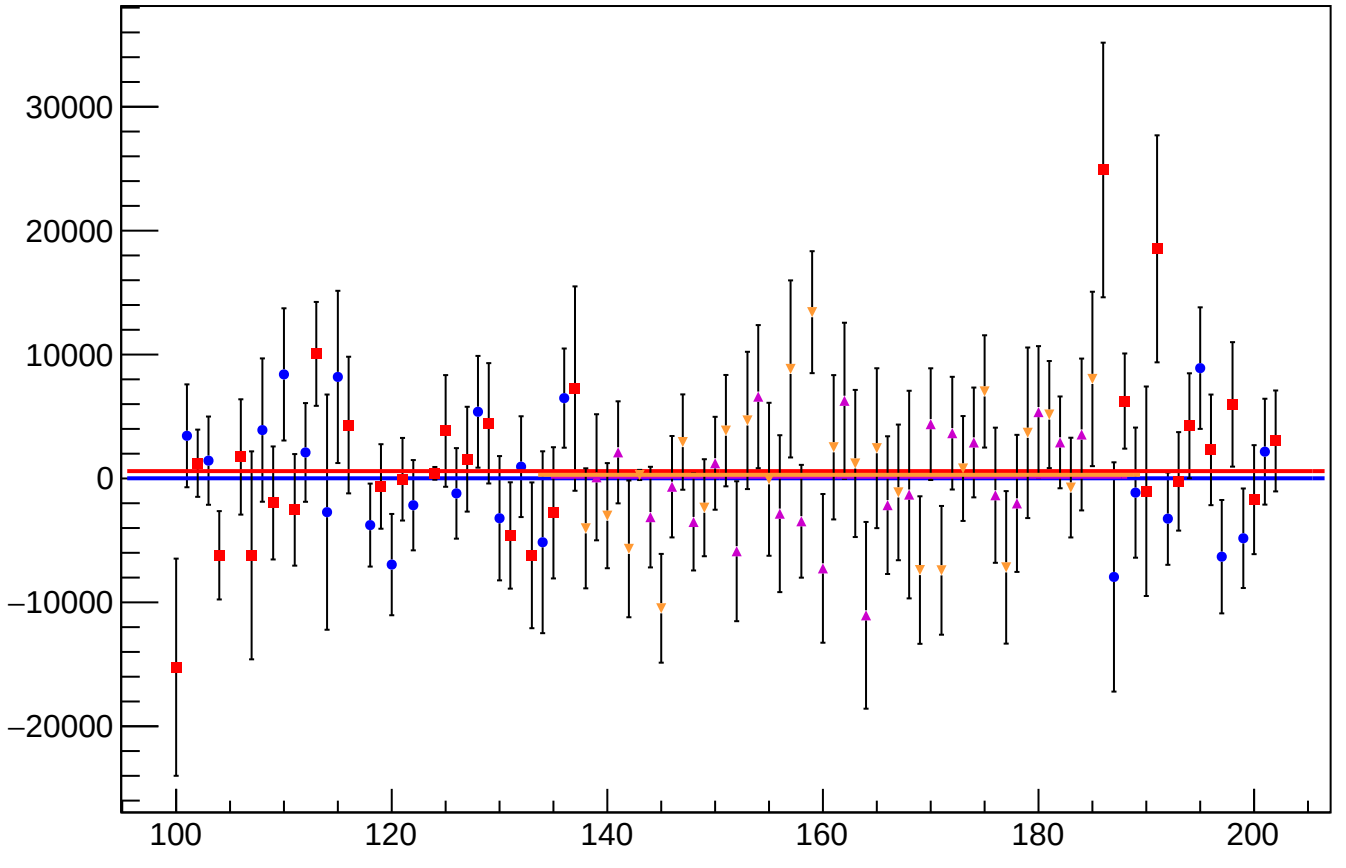
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1767.151+/-0.245 χ^2/NDF: 1302283.5/51

In: 1806.678+/-0.232 χ^2/NDF:766935.2/45

Out: 1816.646+/-0.223 χ^2/NDF:983412.7/53

All: 1811.864+/-0.161 χ^2/NDF: 1751307.1/99



Right In: 13.610+/-931.566 χ^2/NDF: 23.6/22

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 593.358+/-439.658 χ^2/NDF: 33.7/28

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

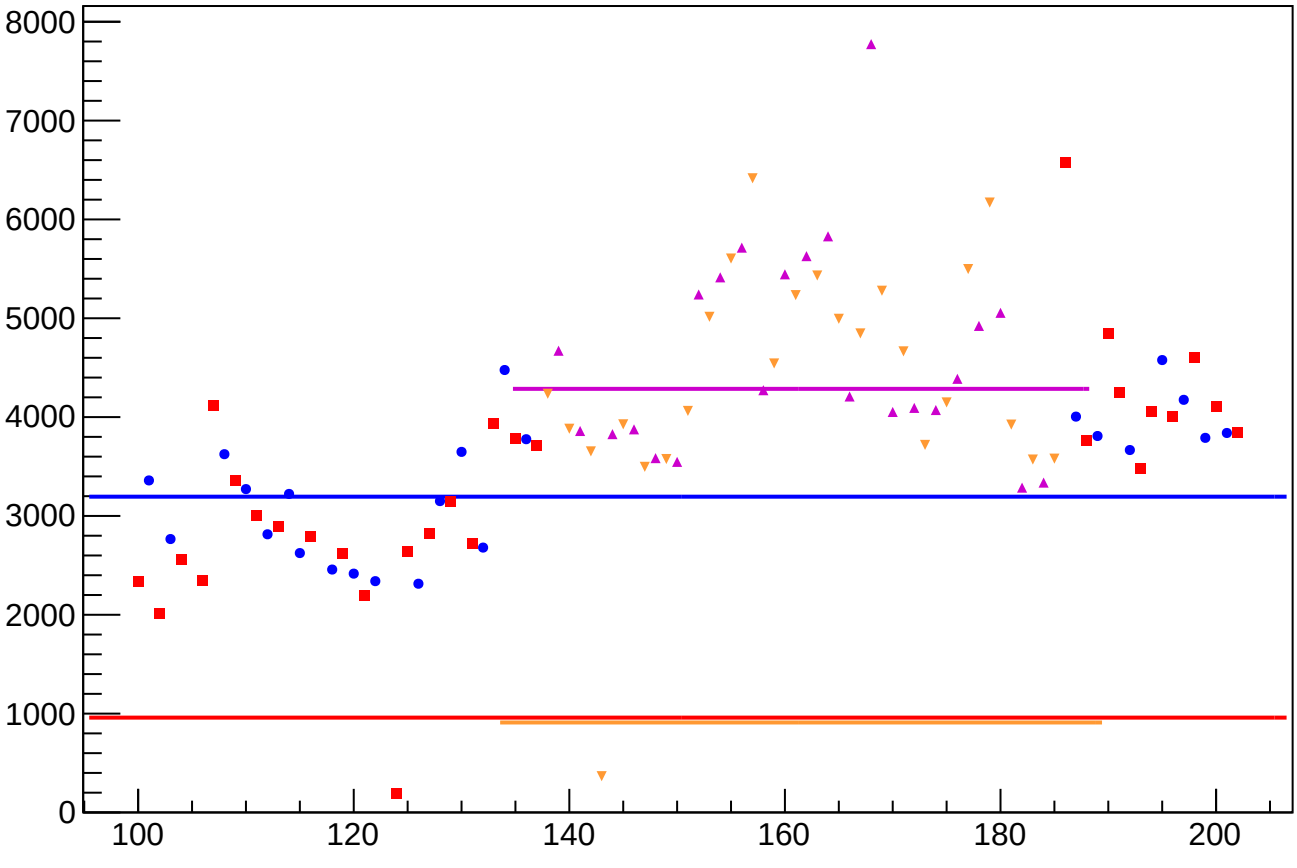
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 487.747+/-397.601 χ^2/NDF: 57.6/51

In: 70.125+/-688.760 χ^2/NDF:37.5/45

Out: 422.735+/-287.476 χ^2/NDF:64.0/53

All: 370.421+/-265.295 χ^2/NDF: 101.7/99



Right In: 3194.931+/-0.659 χ^2/NDF: 1037517.2/22

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 959.521+/-0.311 χ^2/NDF: 19045807.8/28

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

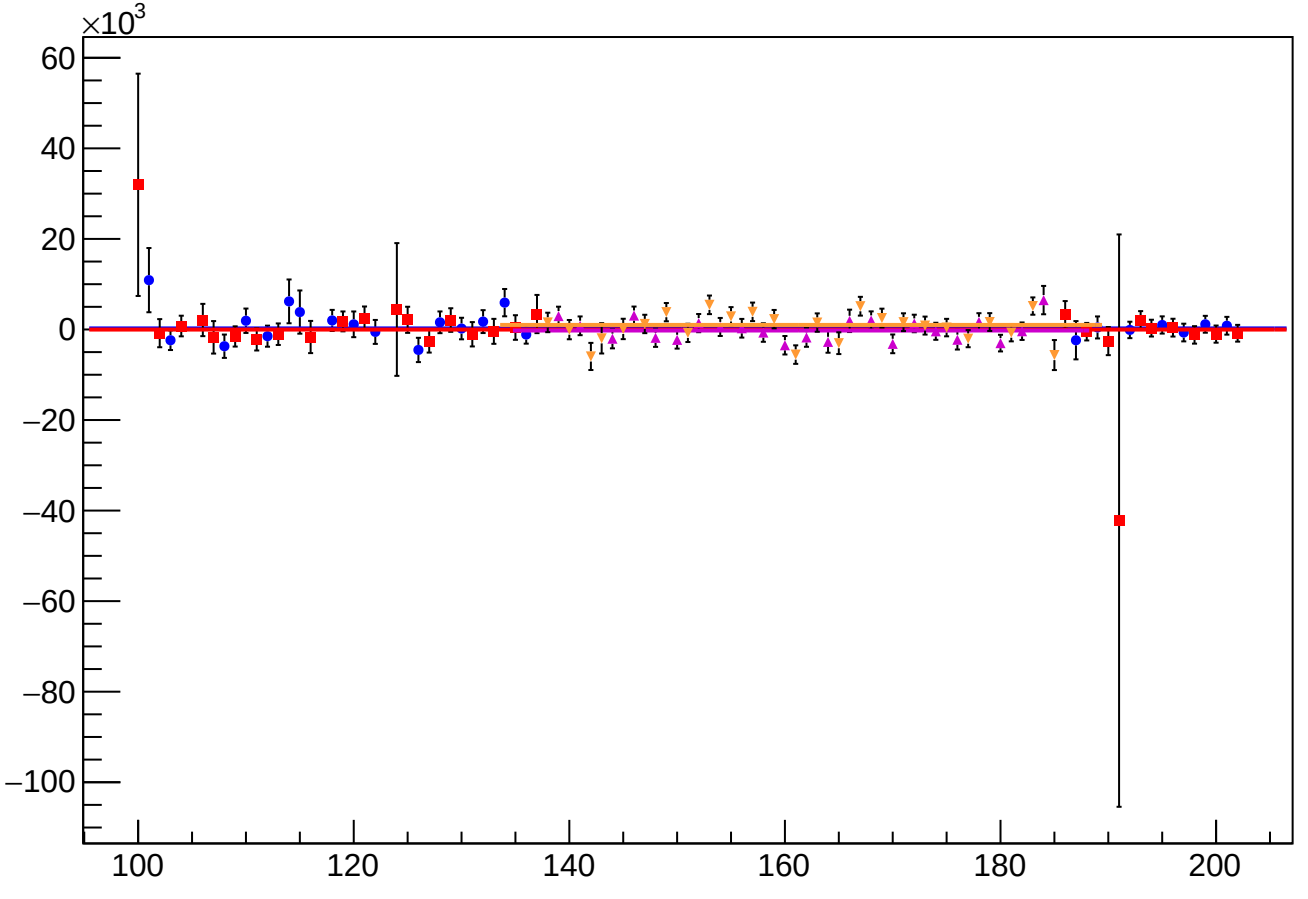
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1366.737+/-0.281 χ^2/NDF: 29501837.7/51

In: 3689.490+/-0.487 χ^2/NDF:3608862.6/45

Out: 931.317+/-0.203 χ^2/NDF:45833154.0/53

All: 1340.525+/-0.188 χ^2/NDF: 76756477.0/9



Right In: 230.447+/-508.789 χ^2/NDF: 18.8/22

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -21.541+/-474.426 χ^2/NDF: 13.3/28

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

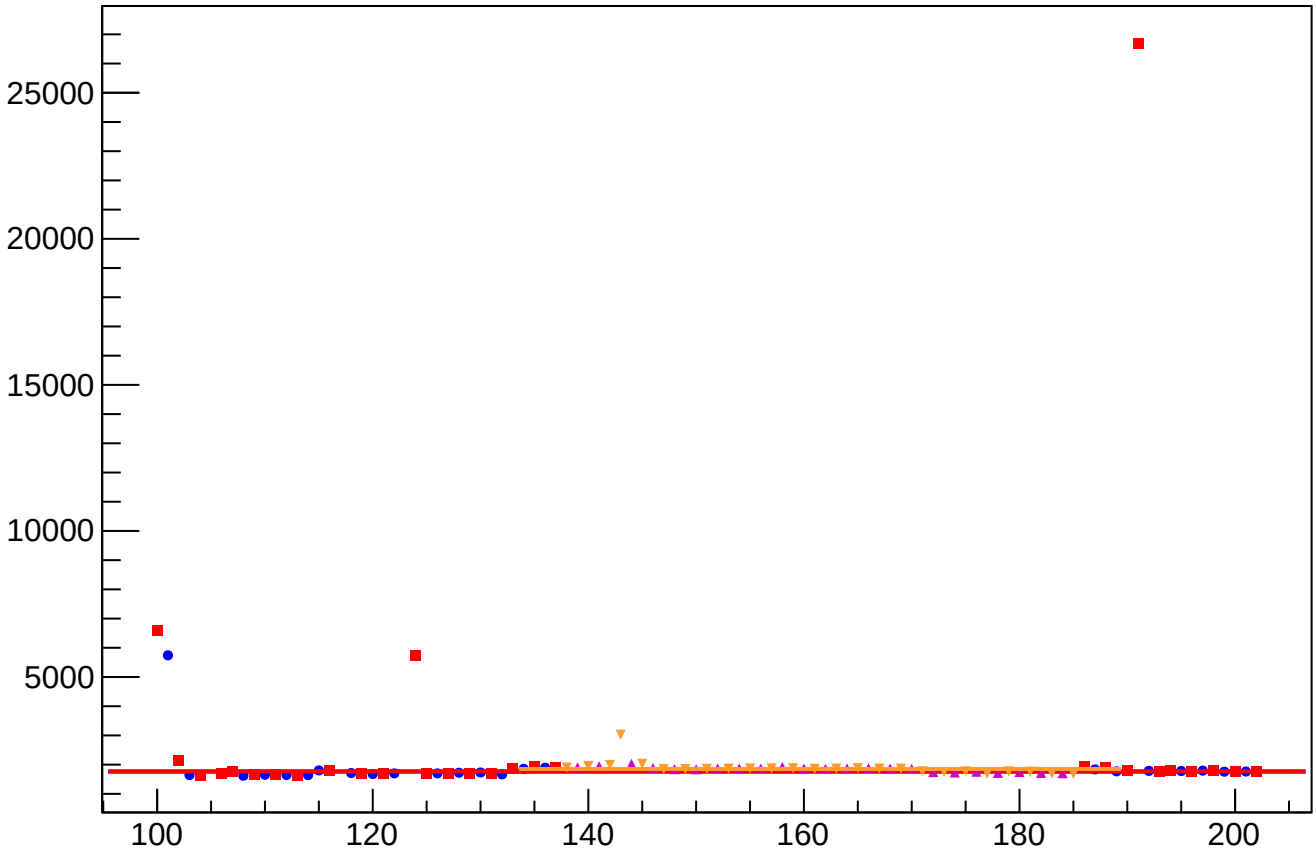
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 95.657+/-346.982 χ^2/NDF: 32.2/51

In: -37.861+/-328.285 χ^2/NDF:45.6/45

Out: 550.374+/-315.554 χ^2/NDF:63.2/53

All: 267.883+/-227.498 χ^2/NDF: 110.5/99



Right In: 1762.025+/-0.360 χ^2/NDF: 672064.5/22

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1771.591+/-0.335 χ^2/NDF: 629840.2/28

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

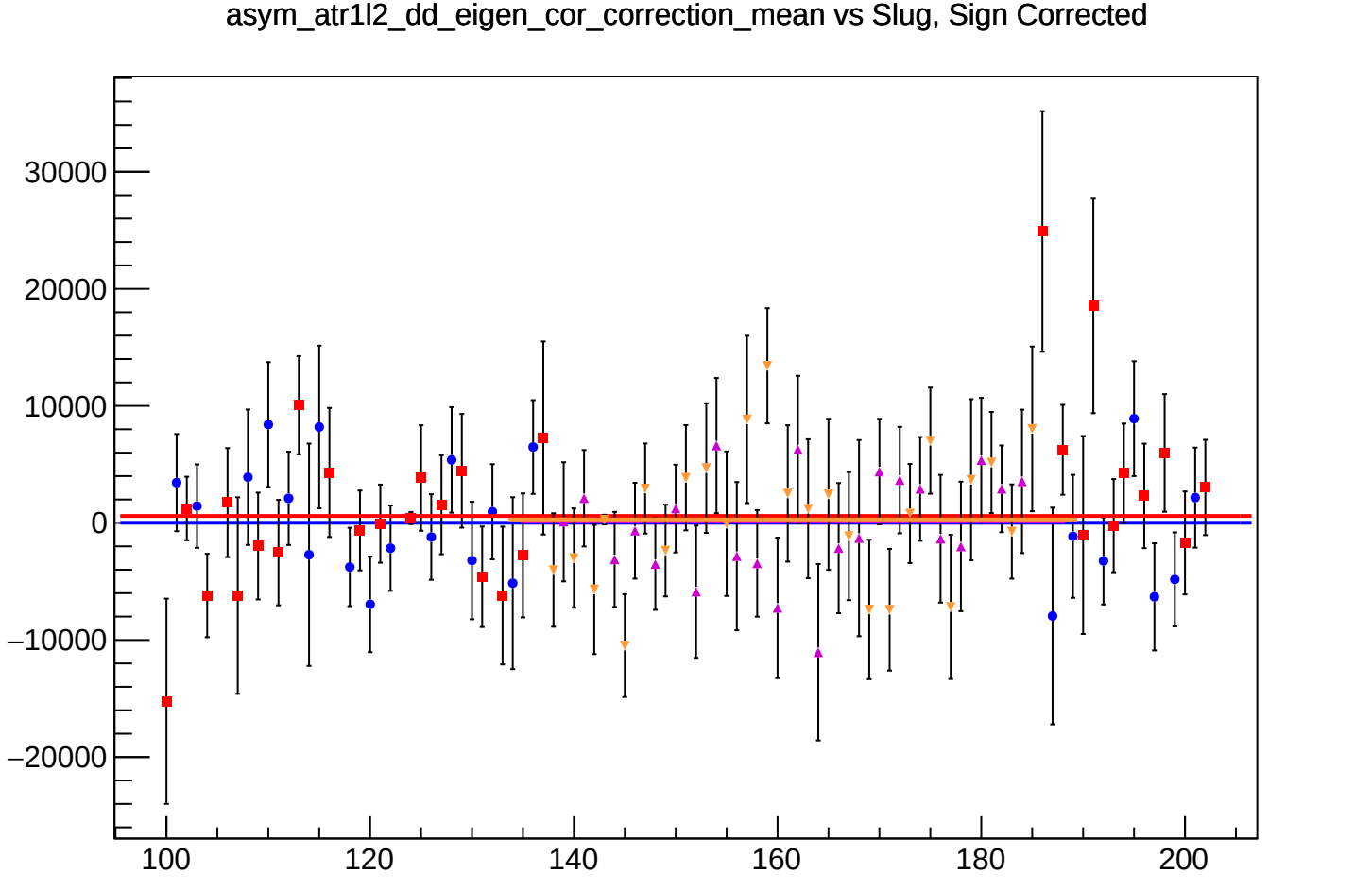
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1767.151+/-0.245 χ^2/NDF: 1302283.5/51

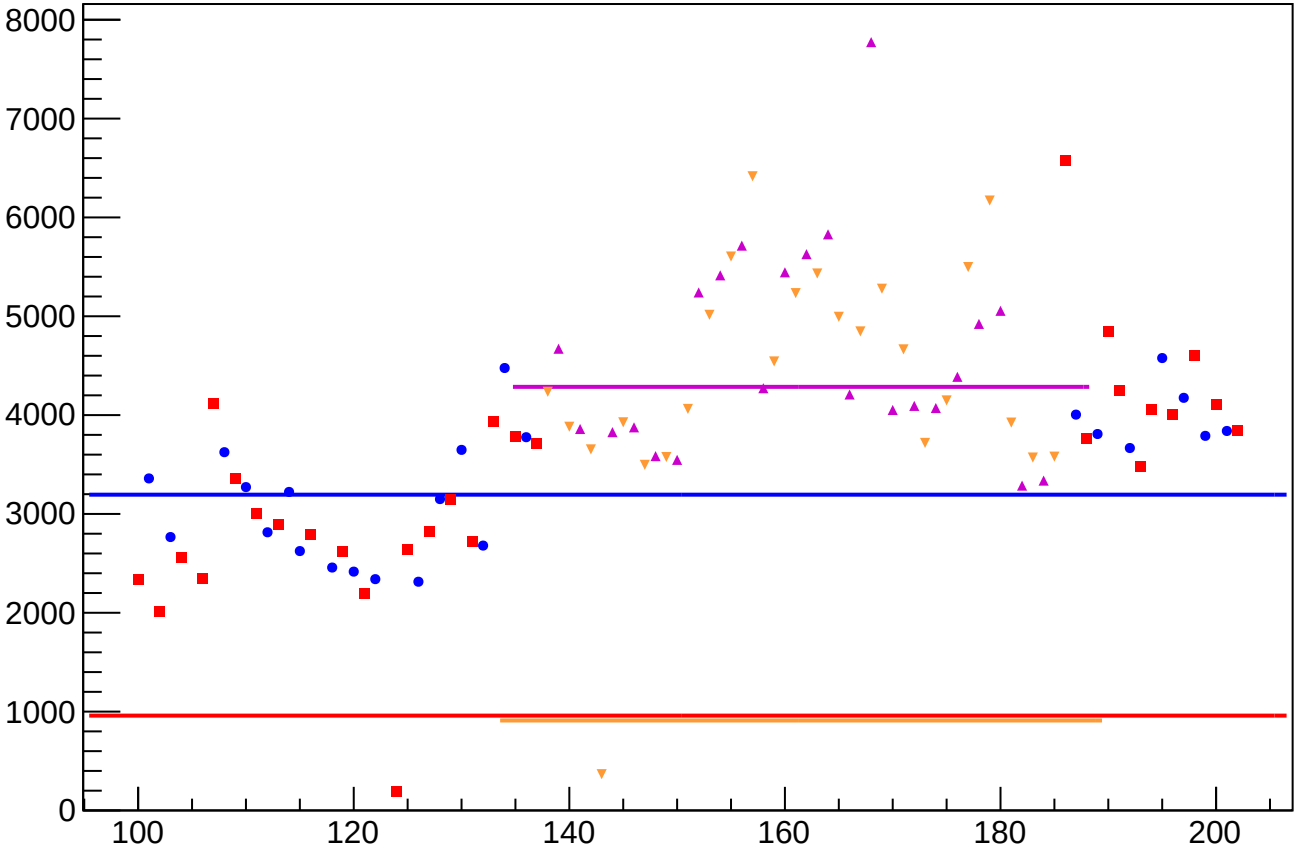
In: 1806.678+/-0.232 χ^2/NDF:766935.2/45

Out: 1816.646+/-0.223 χ^2/NDF:983412.7/53

All: 1811.864+/-0.161 χ^2/NDF: 1751307.1/99


asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 13.610+/-931.566 χ²/NDF: 23.6/22
Left Out: 295.308+/-379.951 χ²/NDF:30.0/24
Right Out: 593.358+/-439.658 χ²/NDF: 33.7/28
Left In: 138.272+/-1022.940 χ²/NDF:13.9/22
Left: 276.270+/-356.175 χ²/NDF: 43.9/47
Right: 487.747+/-397.601 χ²/NDF: 57.6/51
In: 70.125+/-688.760 χ²/NDF:37.5/45
Out: 422.735+/-287.476 χ²/NDF:64.0/53
All: 370.421+/-265.295 χ²/NDF: 101.7/99

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3194.931+/-0.659 χ^2/NDF: 1037517.2/22

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 959.521+/-0.311 χ^2/NDF: 19045807.8/28

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

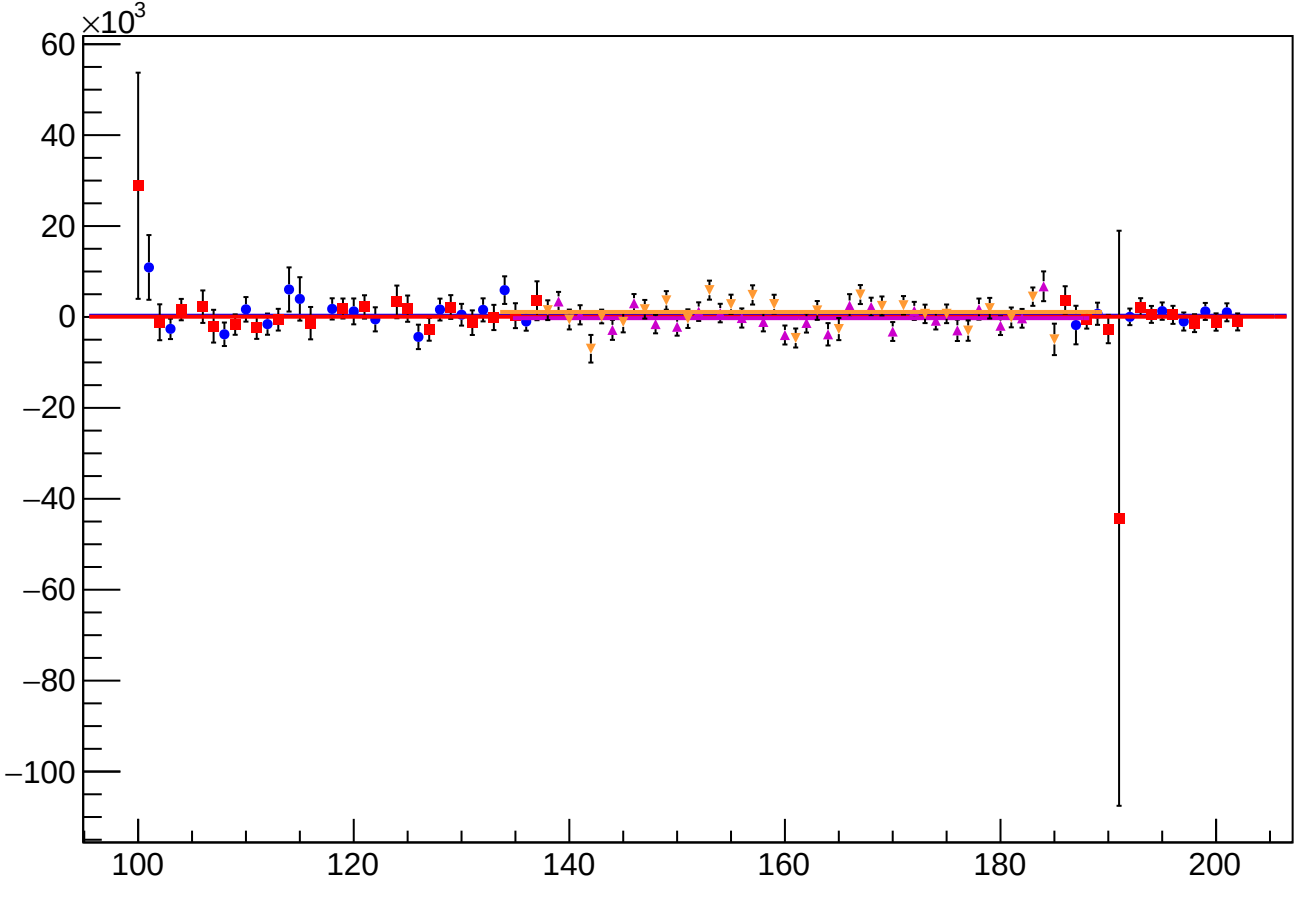
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1366.737+/-0.281 χ^2/NDF: 29501837.7/51

In: 3689.490+/-0.487 χ^2/NDF:3608862.6/45

Out: 931.317+/-0.203 χ^2/NDF:45833154.0/53

All: 1340.525+/-0.188 χ^2/NDF: 76756477.0/9



Right In: 270.816+/-512.263 χ^2/NDF: 18.7/22

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 55.979+/-475.685 χ^2/NDF: 15.0/28

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

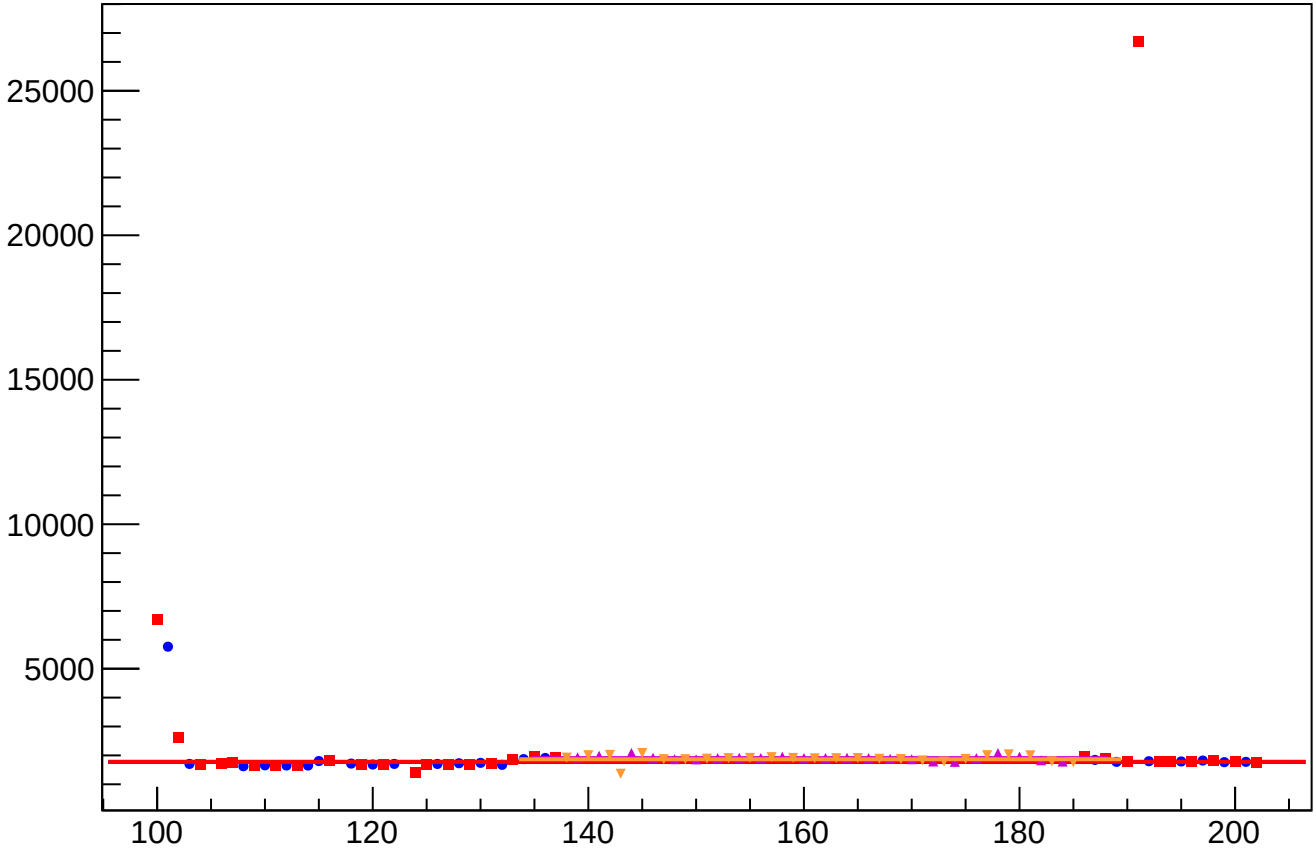
Right: 155.454+/-348.575 χ^2/NDF: 33.8/51

In: -34.125+/-336.096 χ^2/NDF:47.0/45

Out: 638.005+/-317.063 χ^2/NDF:62.5/53

All: 321.509+/-230.633 χ^2/NDF: 111.6/99

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1774.078+/-0.362 χ^2/NDF: 670588.1/22

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1776.576+/-0.336 χ^2/NDF: 561642.7/28

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

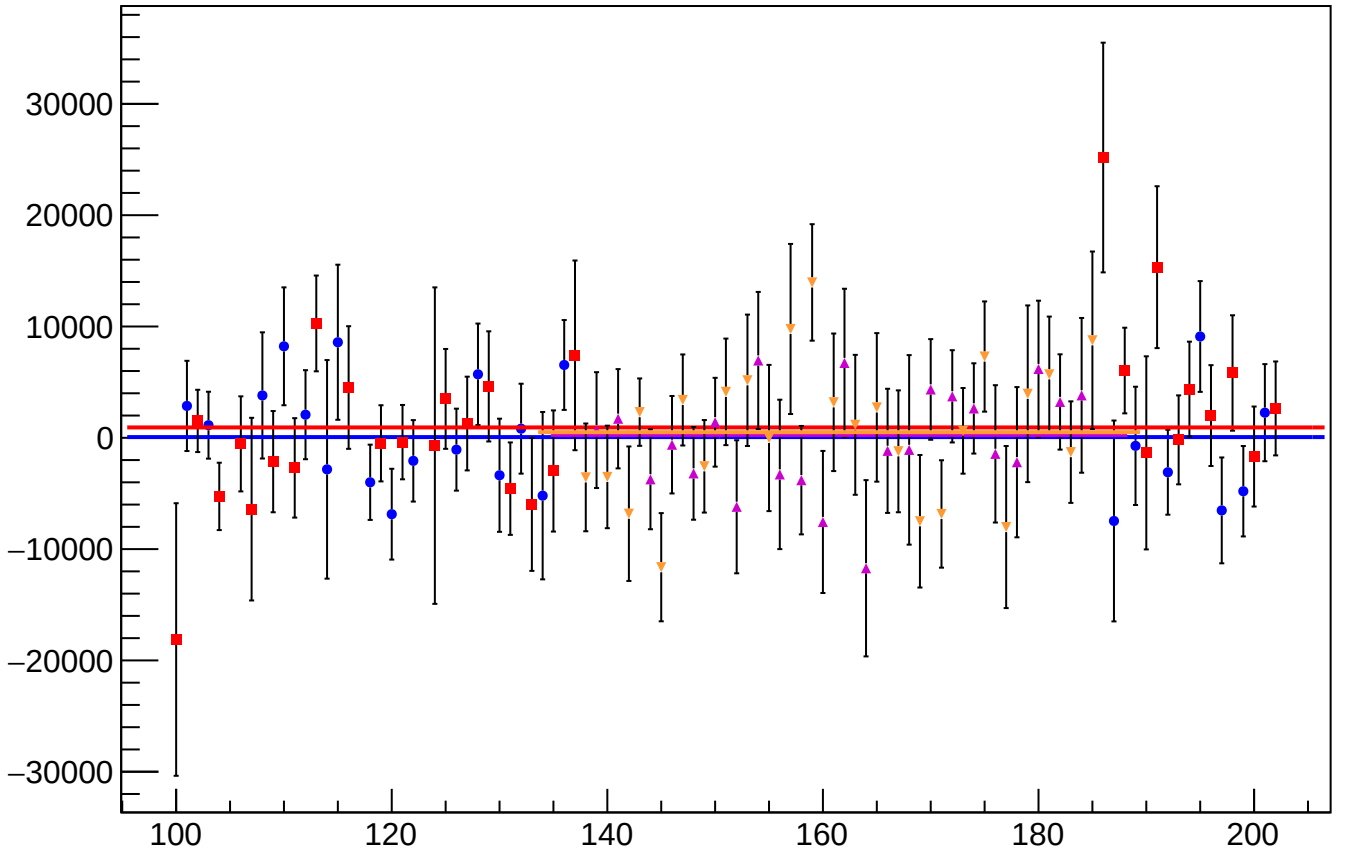
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1775.421+/-0.246 χ^2/NDF: 1232256.4/51

In: 1848.999+/-0.238 χ^2/NDF:798487.9/45

Out: 1825.560+/-0.224 χ^2/NDF:894686.8/53

All: 1836.589+/-0.163 χ^2/NDF: 1698324.7/99



Right In: 63.730+/-924.806 χ^2/NDF: 23.4/22

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 932.240+/-851.981 χ^2/NDF: 32.7/28

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

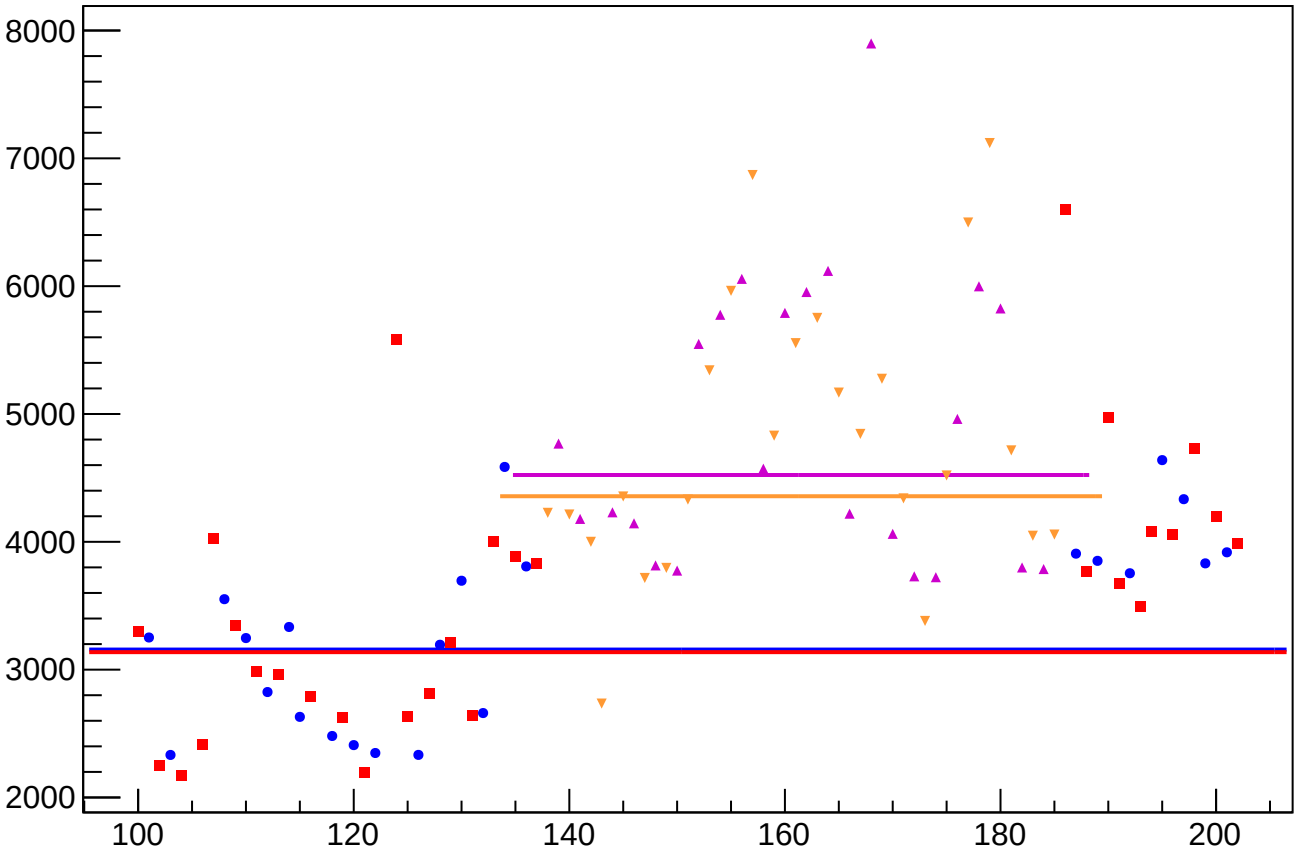
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 533.523+/-626.608 χ^2/NDF: 56.6/51

In: 147.082+/-702.842 χ^2/NDF:37.0/45

Out: 756.698+/-654.328 χ^2/NDF:62.9/53

All: 473.654+/-478.913 χ^2/NDF: 100.3/99



Right In: 3157.146+/-0.654 χ^2/NDF: 1222383.0/22

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3136.957+/-0.602 χ^2/NDF: 1883486.8/28

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

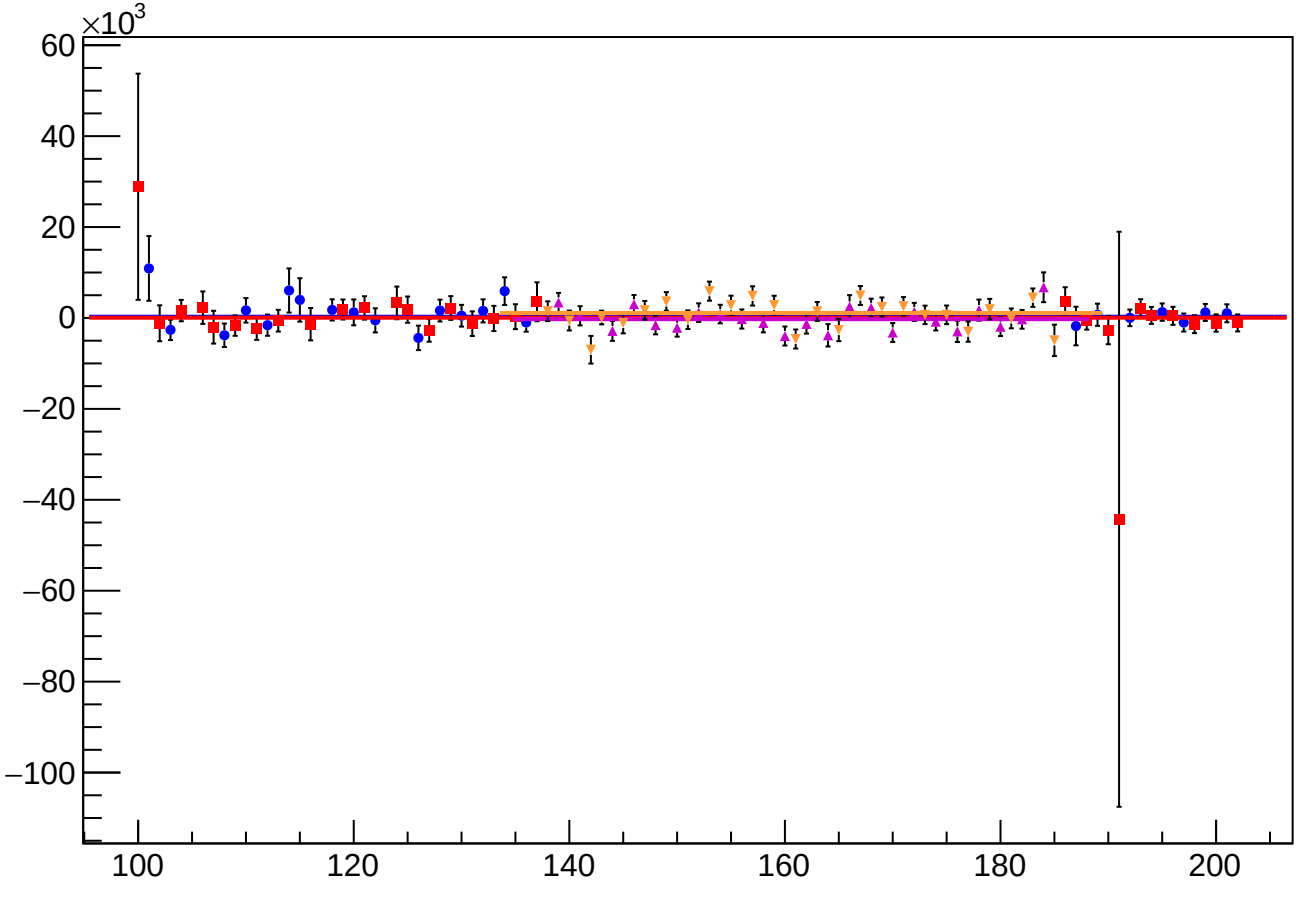
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3146.226+/-0.443 χ^2/NDF: 3106385.4/51

In: 3734.016+/-0.497 χ^2/NDF:4498619.0/45

Out: 3637.229+/-0.463 χ^2/NDF:5477028.1/53

All: 3682.167+/-0.339 χ^2/NDF: 9995964.9/99



Right In: 270.817+/-512.263 χ^2/NDF: 18.7/22

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 55.976+/-475.685 χ^2/NDF: 15.0/28

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

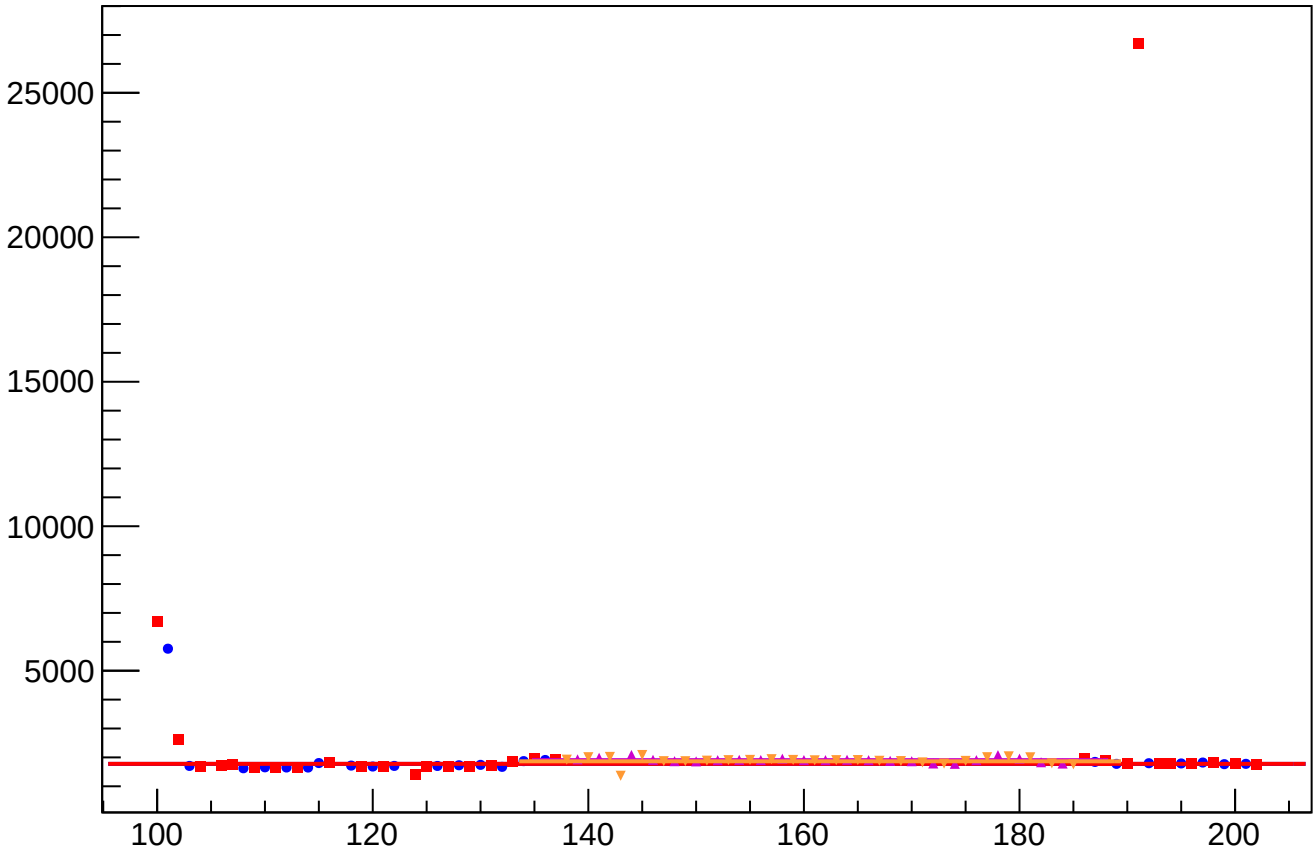
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 155.453+/-348.575 χ^2/NDF: 33.8/51

In: -34.125+/-336.096 χ^2/NDF:47.0/45

Out: 638.004+/-317.063 χ^2/NDF:62.5/53

All: 321.509+/-230.633 χ^2/NDF: 111.6/99



Right In: 1774.078+/-0.362 χ^2/NDF: 670588.2/22

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1776.576+/-0.336 χ^2/NDF: 561642.7/28

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

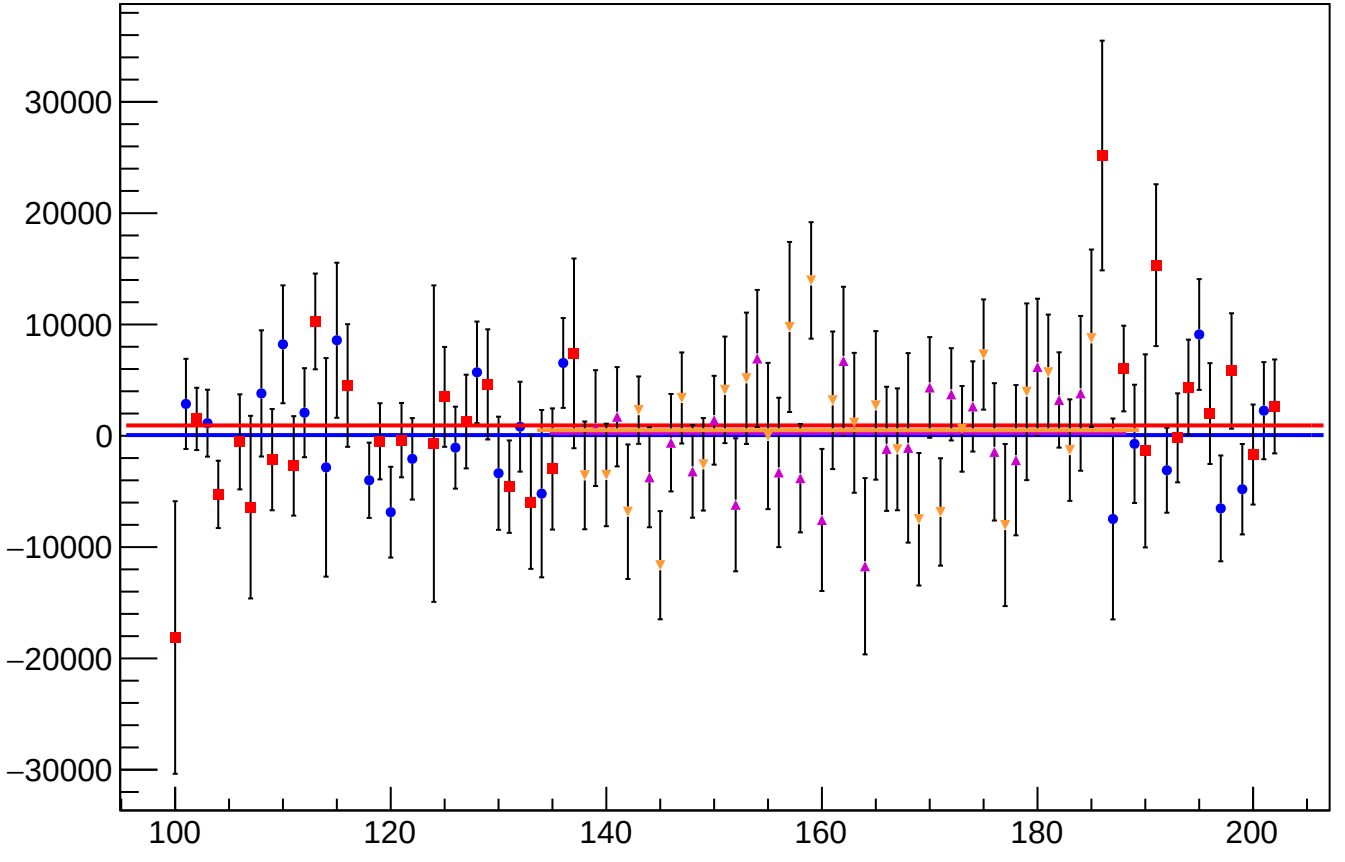
Right: 1775.421+/-0.246 χ^2/NDF: 1232256.5/51

In: 1849.000+/-0.238 χ^2/NDF:798491.3/45

Out: 1825.561+/-0.224 χ^2/NDF:894691.0/53

All: 1836.590+/-0.163 χ^2/NDF: 1698332.4/99

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 63.727+/-924.805 χ^2/NDF: 23.4/22

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 932.237+/-851.980 χ^2/NDF: 32.7/28

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

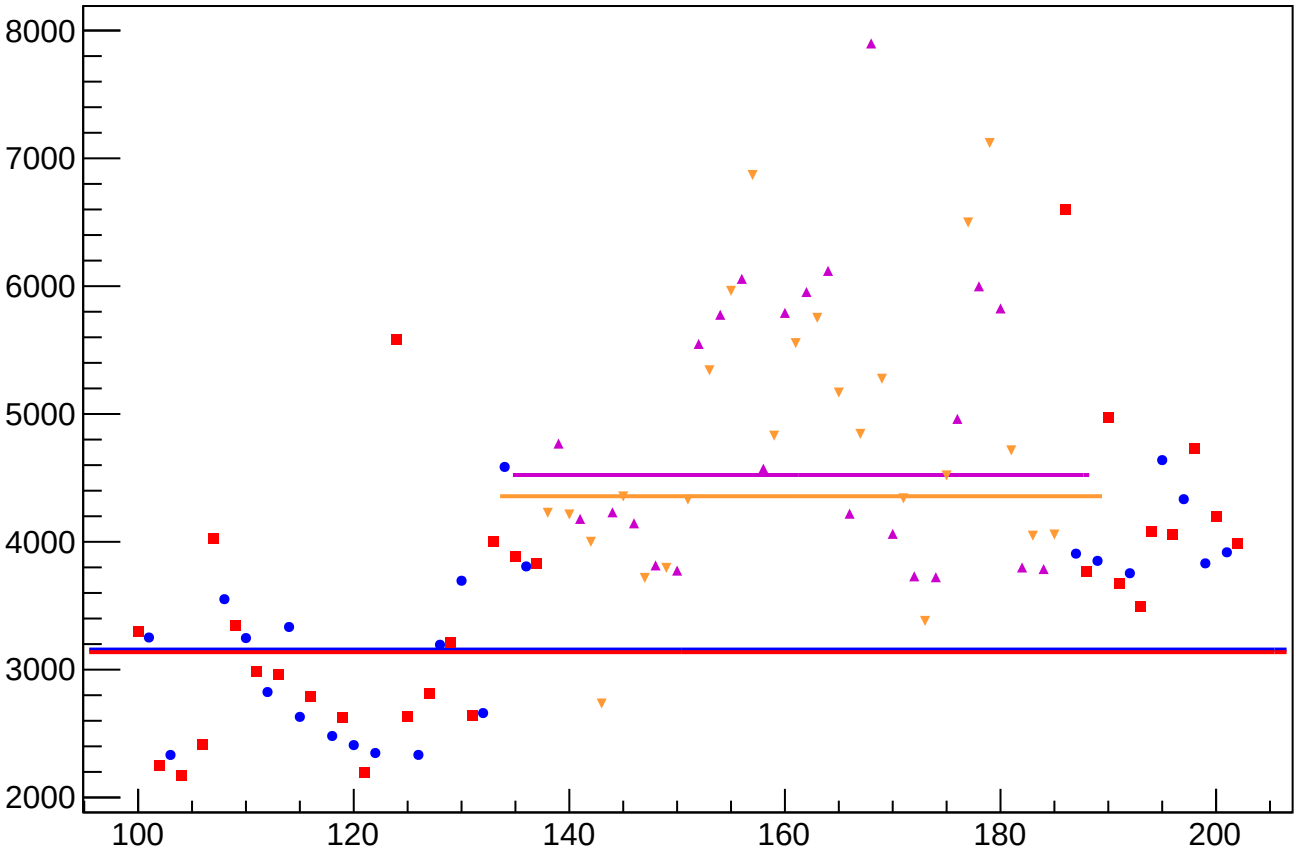
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 533.520+/-626.607 χ^2/NDF: 56.6/51

In: 147.080+/-702.842 χ^2/NDF:37.0/45

Out: 756.699+/-654.328 χ^2/NDF:62.9/53

All: 473.653+/-478.913 χ^2/NDF: 100.3/99



Right In: 3157.140+/-0.654 χ^2/NDF: 1222400.1/22

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3136.953+/-0.602 χ^2/NDF: 1883496.6/28

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

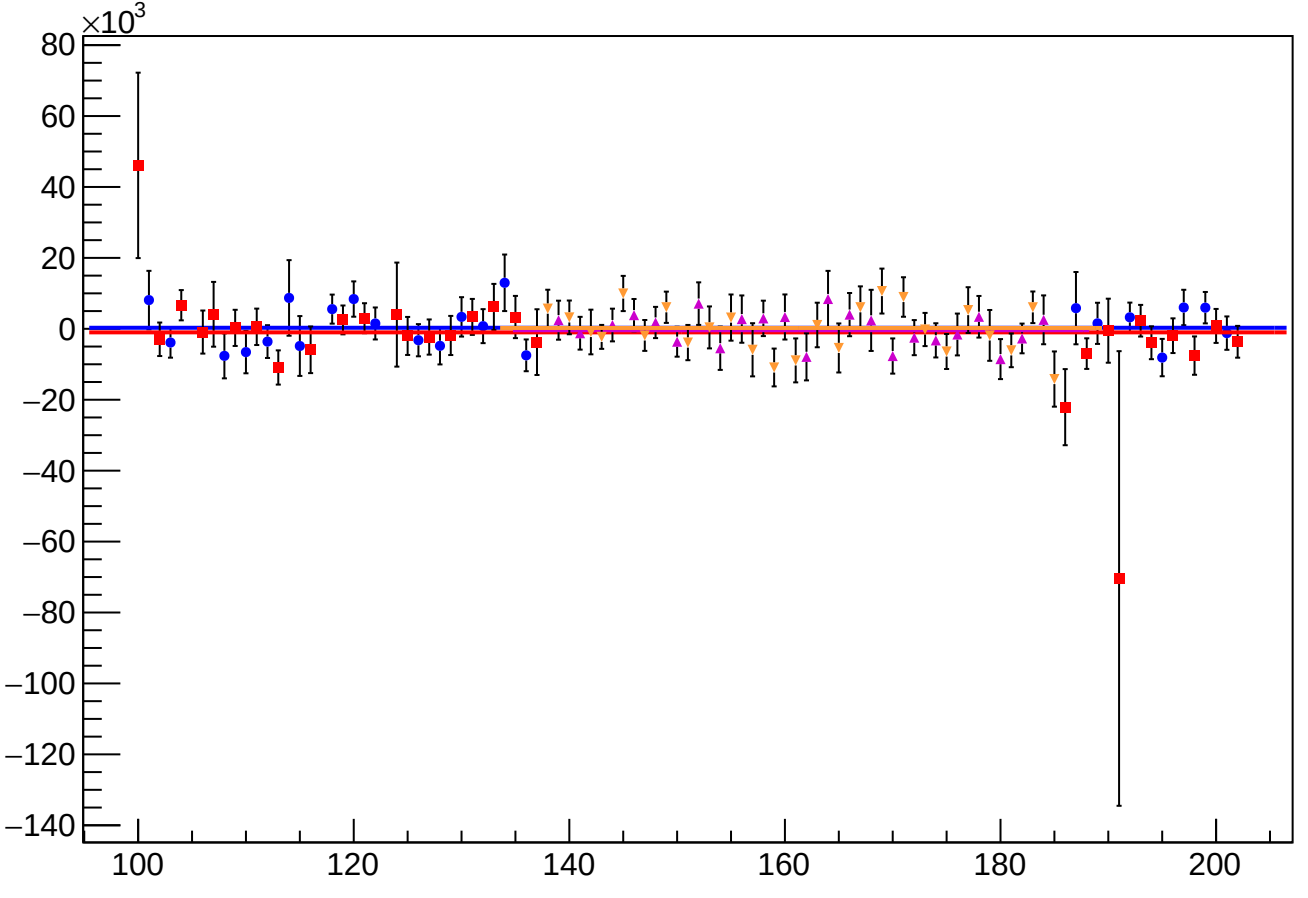
Right: 3146.220+/-0.443 χ^2/NDF: 3106412.1/51

In: 3734.014+/-0.497 χ^2/NDF:4498673.9/45

Out: 3637.228+/-0.463 χ^2/NDF:5477071.1/53

All: 3682.165+/-0.339 χ^2/NDF: 9996062.1/99

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 296.598+/-1092.804 χ^2/NDF: 24.6/22

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -1001.160+/-1023.063 χ^2/NDF: 26.2/28

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

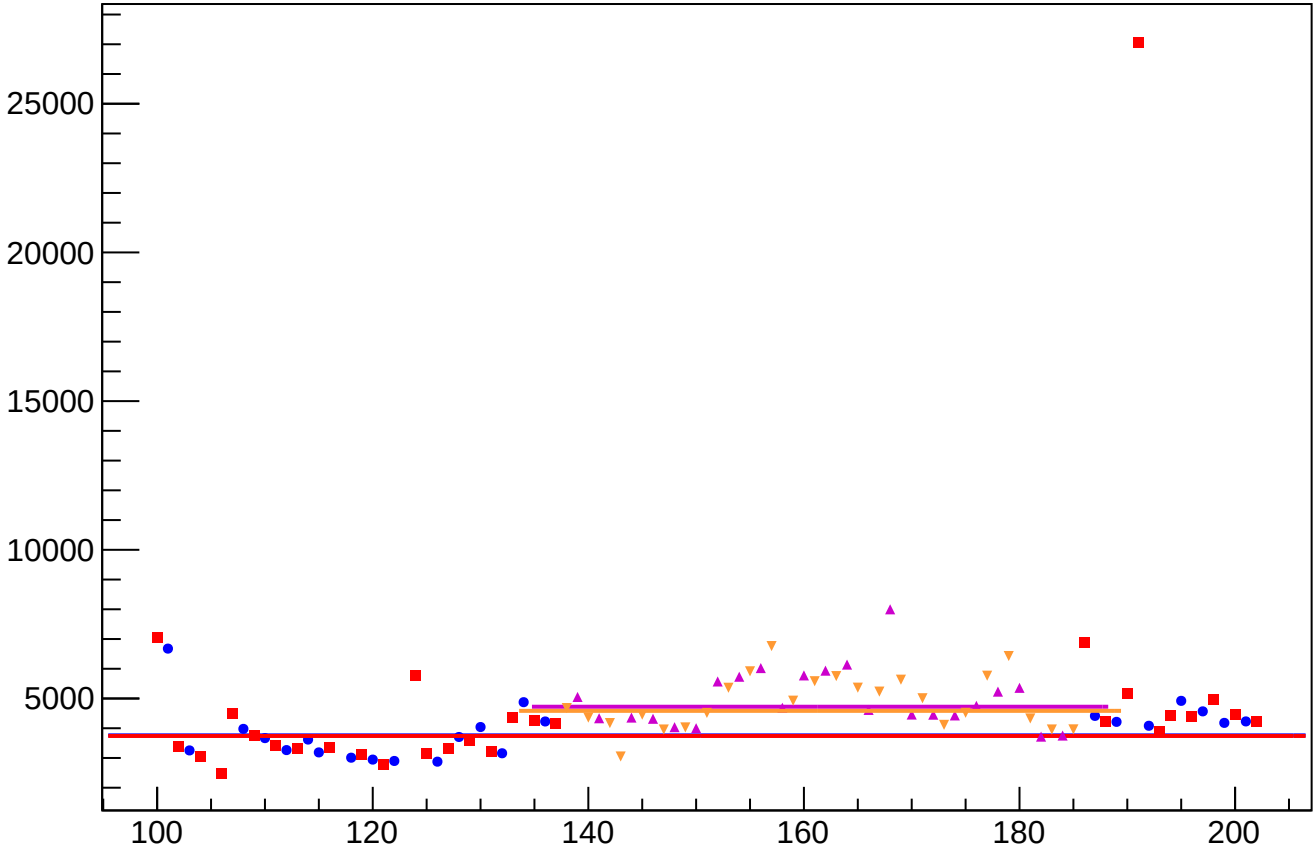
Right: -395.010+/-746.853 χ^2/NDF: 51.6/51

In: -41.698+/-782.617 χ^2/NDF:39.0/45

Out: -405.327+/-737.678 χ^2/NDF:59.1/53

All: -234.252+/-536.801 χ^2/NDF: 98.3/99

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3759.893+/-0.773 χ^2/NDF: 900775.0/22

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3740.448+/-0.717 χ^2/NDF: 1338582.3/28

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

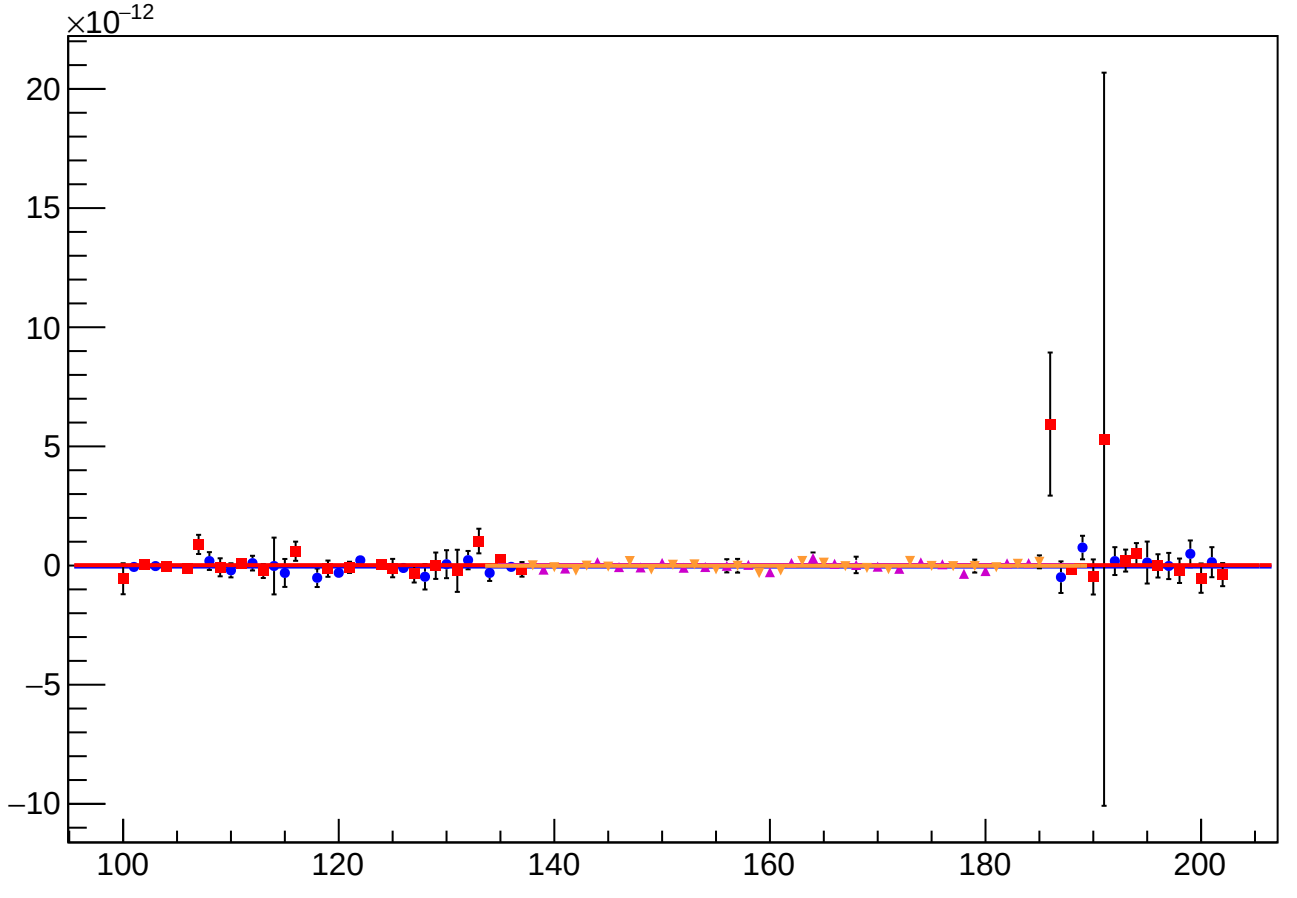
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3749.443+/-0.526 χ^2/NDF: 2239697.6/51

In: 4229.049+/-0.553 χ^2/NDF:2674125.9/45

Out: 4141.924+/-0.519 χ^2/NDF:3309811.6/53

All: 4182.708+/-0.379 χ^2/NDF: 5997121.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 12.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/28

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

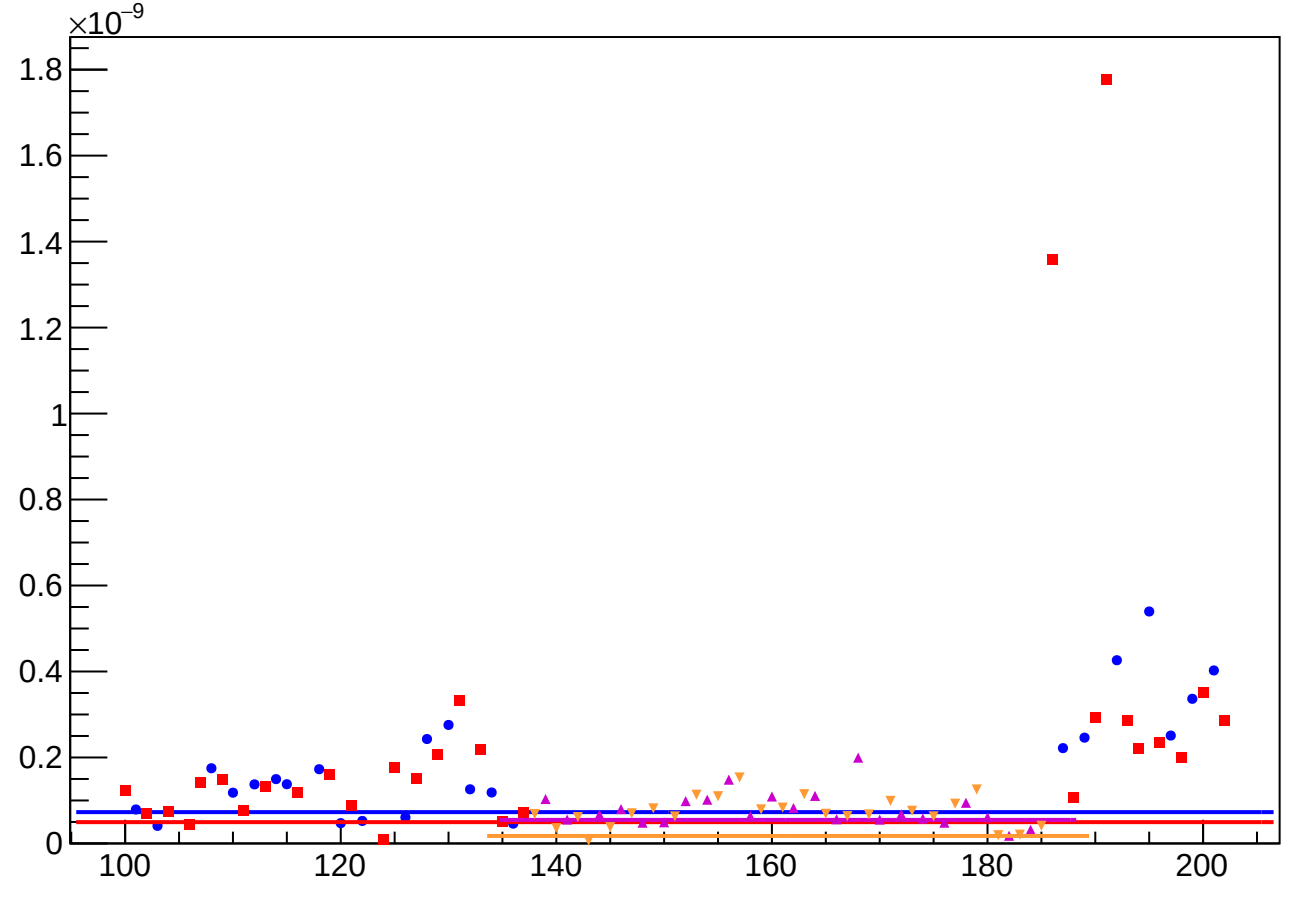
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 40.6/51

In: 0.000+/-0.000 χ^2/NDF:40.3/45

Out: -0.000+/-0.000 χ^2/NDF:49.8/53

All: -0.000+/-0.000 χ^2/NDF: 90.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 4364950.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6306065.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

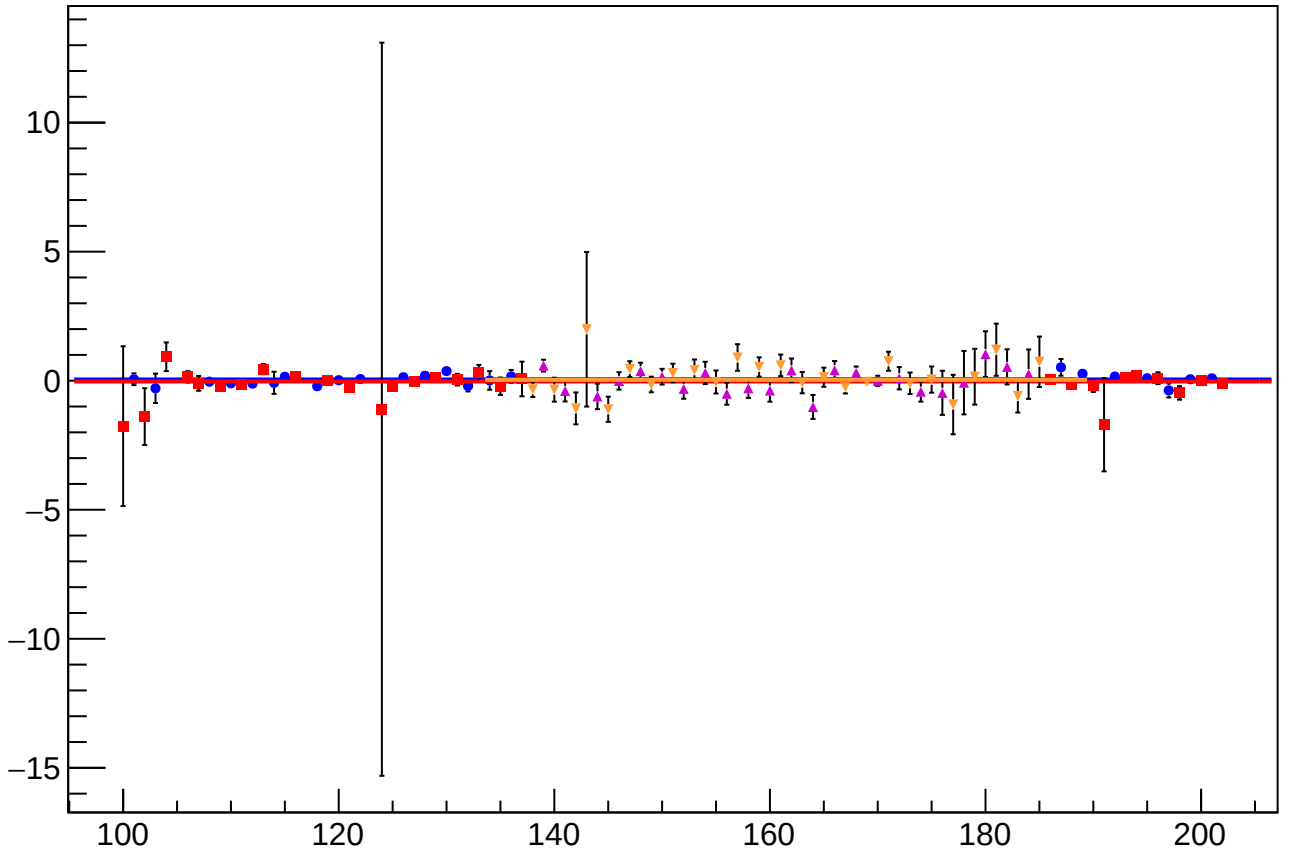
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 11020181.4/51

In: 0.000+/-0.000 χ^2/NDF:7428022.7/45

Out: 0.000+/-0.000 χ^2/NDF:16729290.7/53

All: 0.000+/-0.000 χ^2/NDF: 29469060.0/99



Right In: 0.048+/-0.040 χ^2/NDF: 19.2/22

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.035 χ^2/NDF: 31.5/28

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

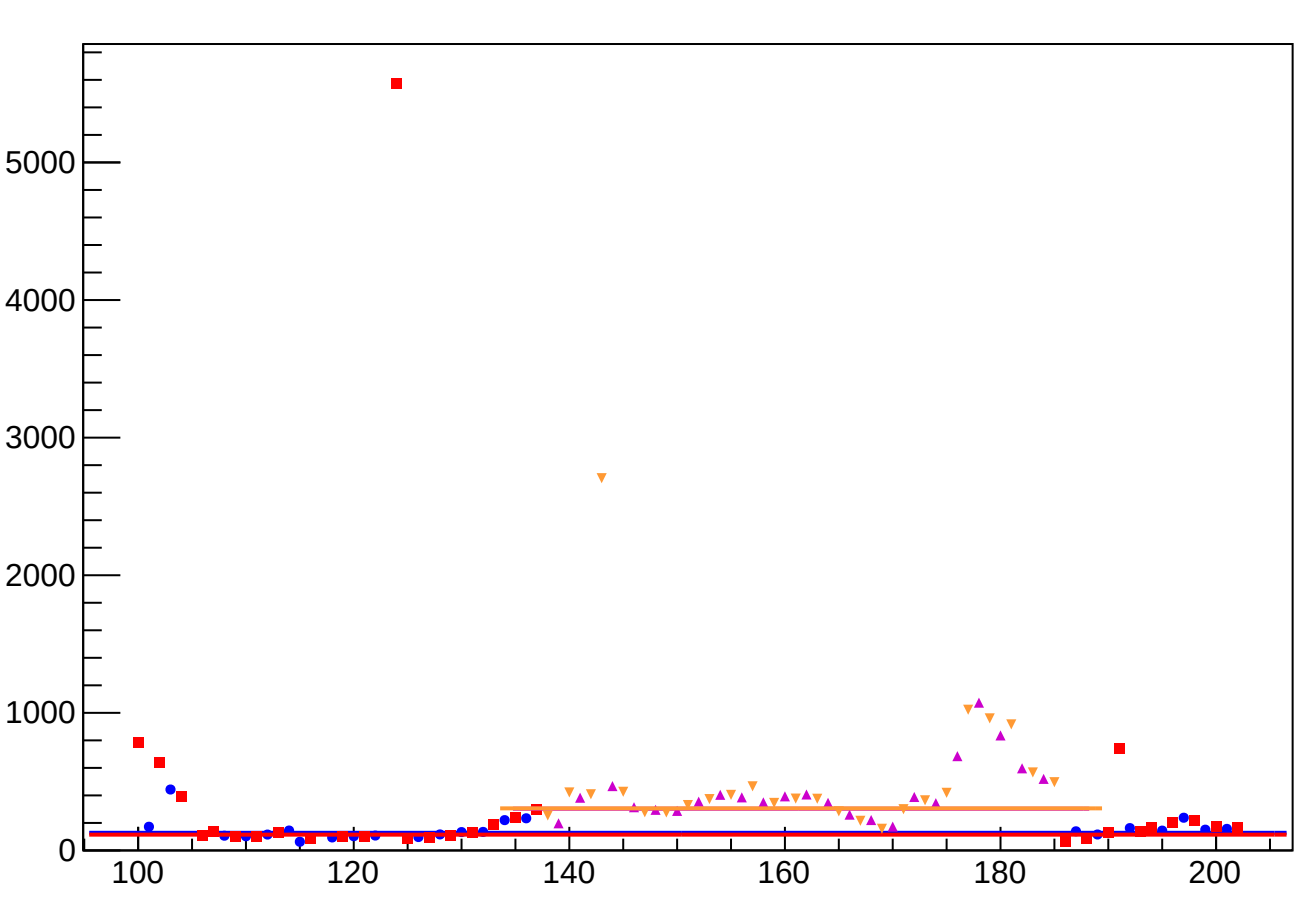
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.004+/-0.026 χ^2/NDF: 52.9/51

In: 0.050+/-0.035 χ^2/NDF:45.2/45

Out: -0.019+/-0.032 χ^2/NDF:62.5/53

All: 0.012+/-0.024 χ^2/NDF: 109.9/99



Right In: 128.284+/-0.028 χ^2/NDF: 2344706.9/22

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 114.884+/-0.024 χ^2/NDF: 4291335.3/28

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

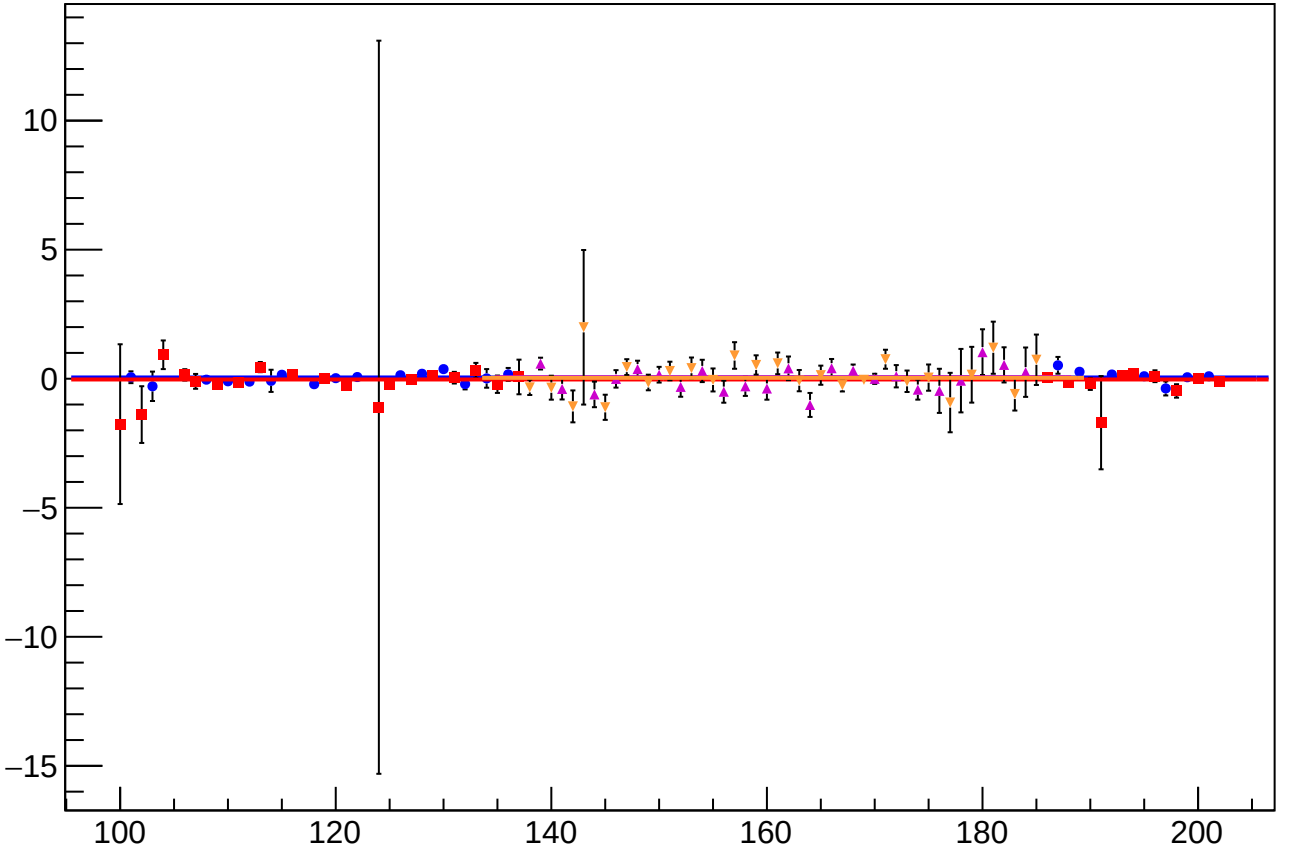
Right: 120.674+/-0.018 χ^2/NDF: 6766097.1/51

In: 164.657+/-0.025 χ^2/NDF:15276274.0/45

Out: 146.256+/-0.022 χ^2/NDF:20972803.0/53

All: 154.451+/-0.017 χ^2/NDF: 36551472.4/99

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.040 χ^2/NDF: 19.2/22

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.035 χ^2/NDF: 31.5/28

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

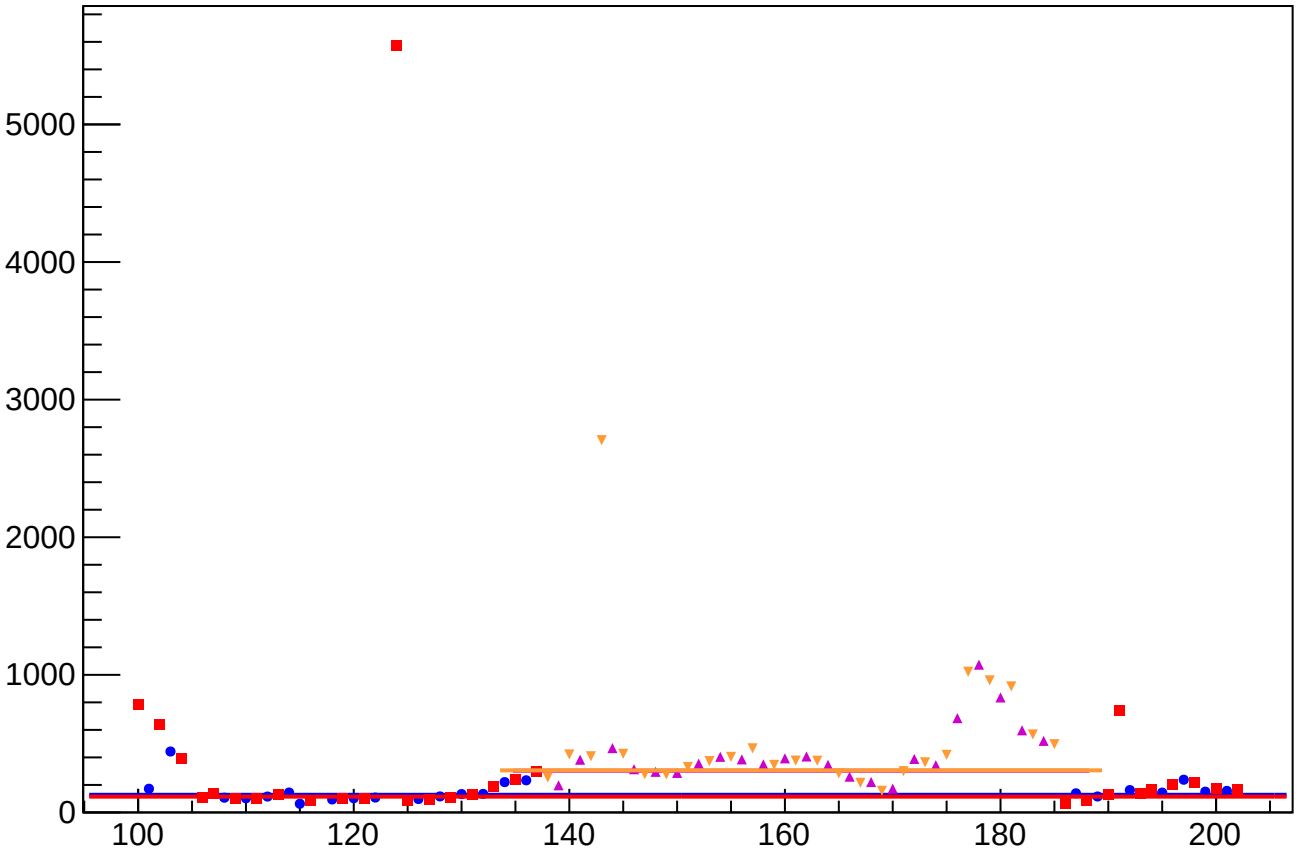
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.004+/-0.026 χ^2/NDF: 52.9/51

In: 0.050+/-0.035 χ^2/NDF:45.2/45

Out: -0.019+/-0.032 χ^2/NDF:62.5/53

All: 0.012+/-0.024 χ^2/NDF: 109.9/99



Right In: 128.284+/-0.028 χ^2/NDF: 2344706.9/22

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 114.884+/-0.024 χ^2/NDF: 4291335.3/28

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

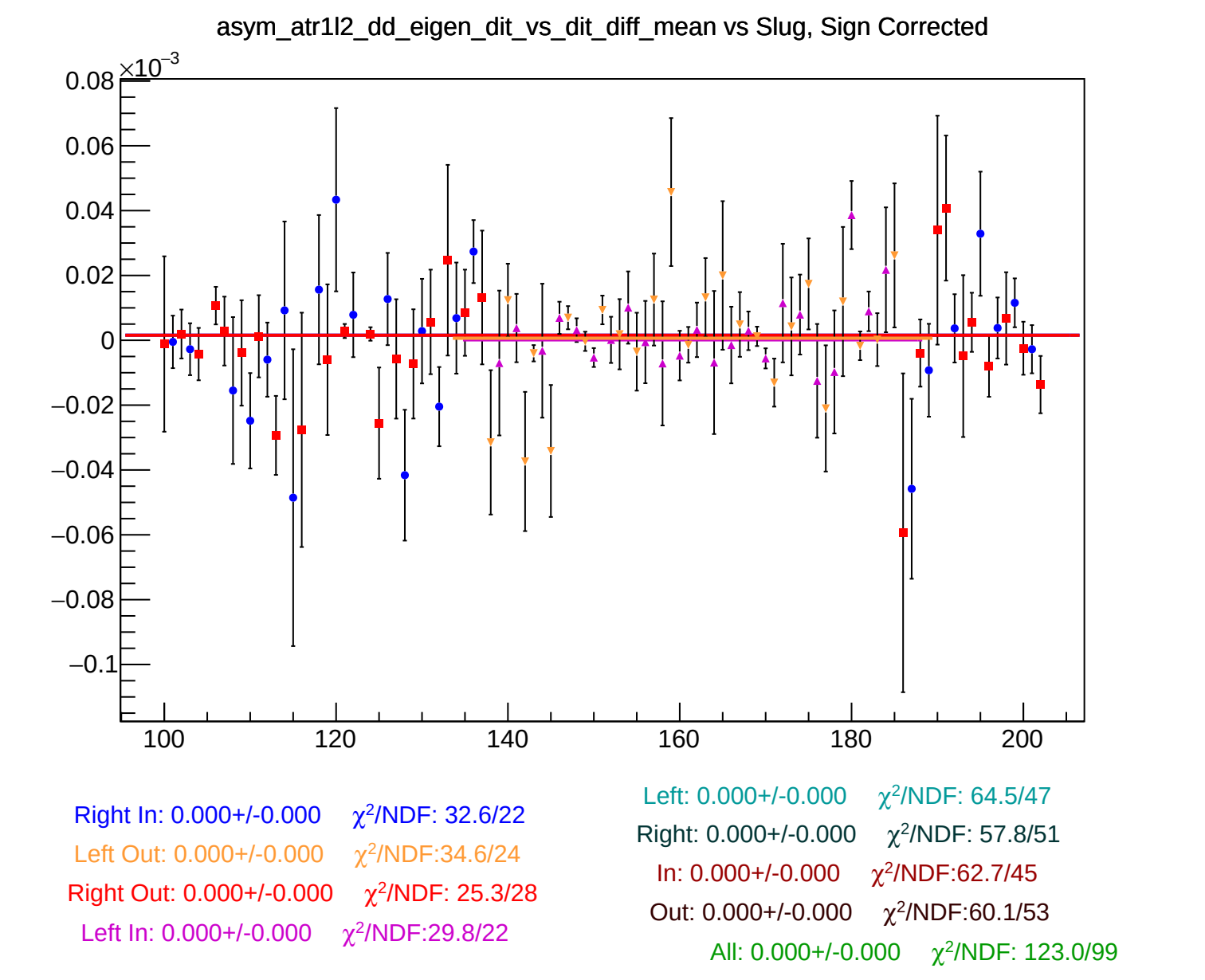
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 120.674+/-0.018 χ^2/NDF: 6766097.1/51

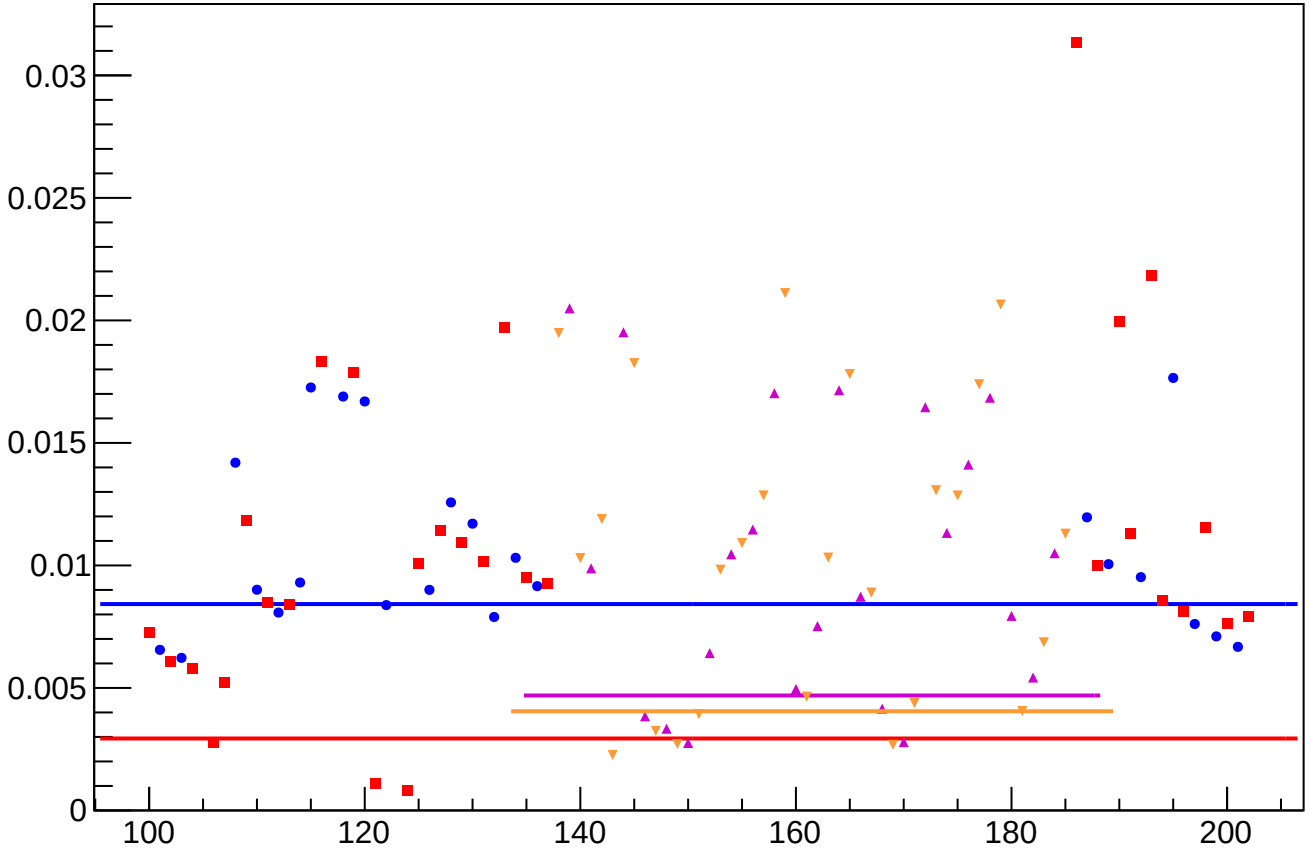
In: 164.657+/-0.025 χ^2/NDF:15276274.0/45

Out: 146.256+/-0.022 χ^2/NDF:20972803.0/53

All: 154.451+/-0.017 χ^2/NDF: 36551472.4/99


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.6/22
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/28
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: 0.000+/-0.000 χ²/NDF: 64.5/47
Right: 0.000+/-0.000 χ²/NDF: 57.8/51
In: 0.000+/-0.000 χ²/NDF:62.7/45
Out: 0.000+/-0.000 χ²/NDF:60.1/53
All: 0.000+/-0.000 χ²/NDF: 123.0/99

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1851863.1/22

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 16647386.3/28

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

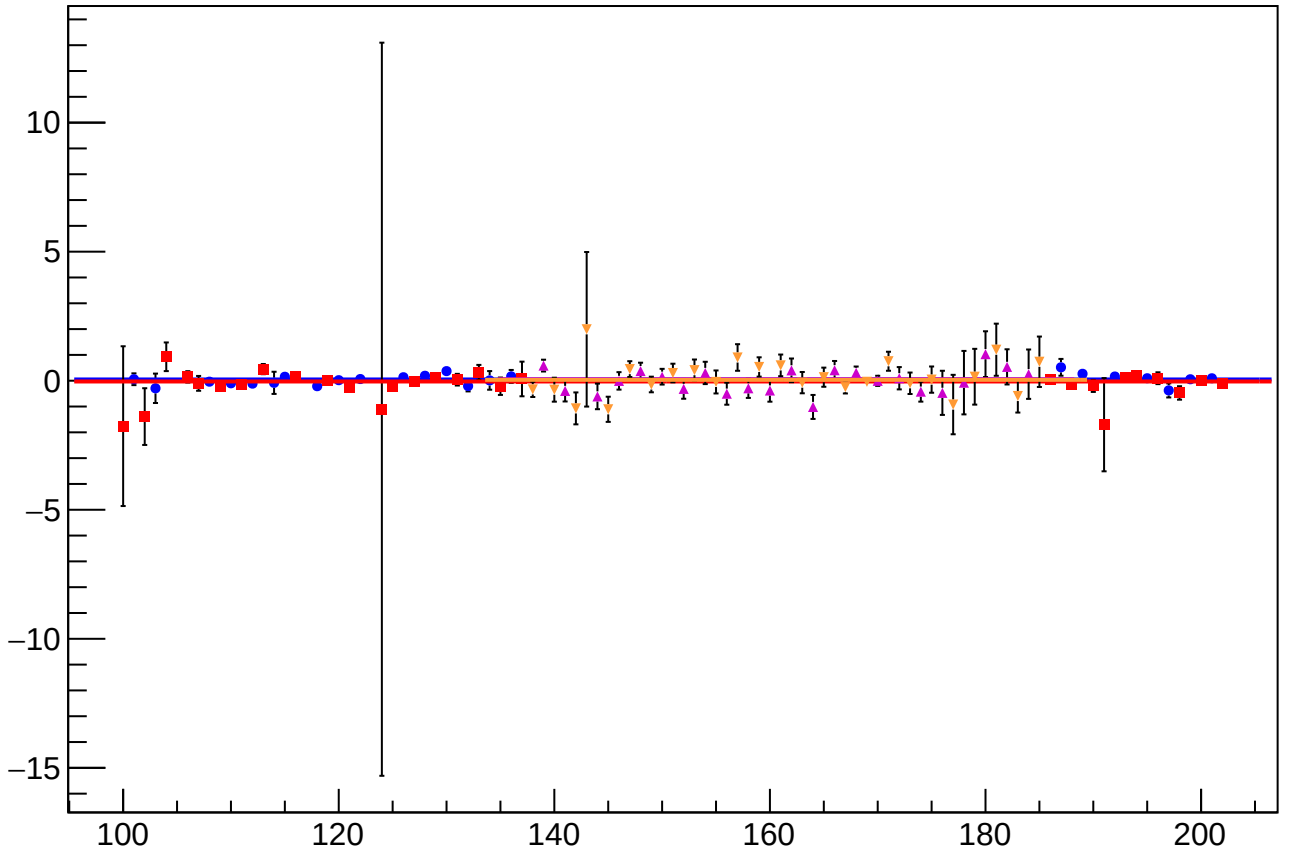
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.004+/-0.000 χ^2/NDF: 25896945.5/51

In: 0.006+/-0.000 χ^2/NDF:15984509.2/45

Out: 0.004+/-0.000 χ^2/NDF:31020754.5/53

All: 0.004+/-0.000 χ^2/NDF: 50645271.8/99



Right In: 0.048+/-0.040 χ^2/NDF: 19.2/22

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.035 χ^2/NDF: 31.5/28

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

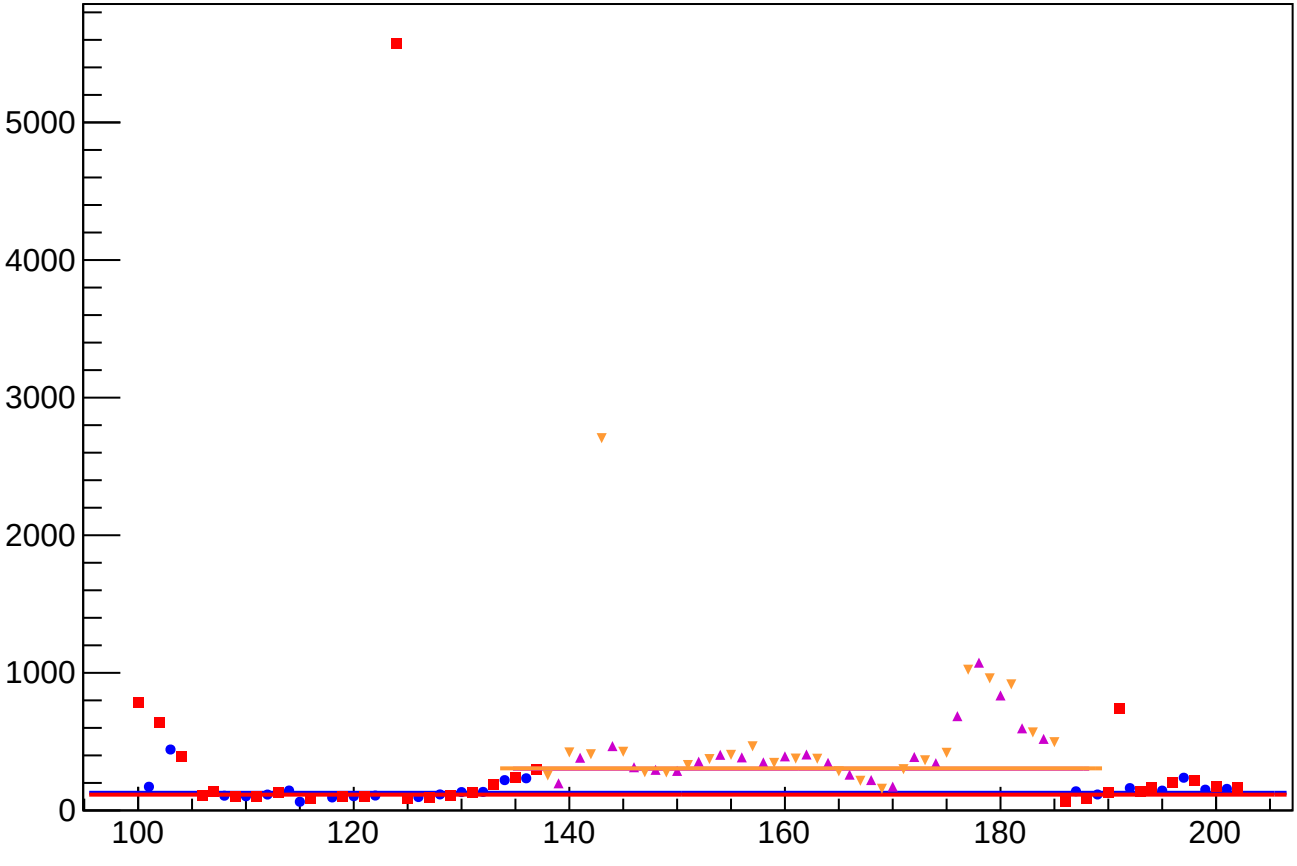
Right: 0.004+/-0.026 χ^2/NDF: 52.9/51

In: 0.050+/-0.035 χ^2/NDF:45.2/45

Out: -0.019+/-0.032 χ^2/NDF:62.5/53

All: 0.012+/-0.024 χ^2/NDF: 109.9/99

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.284+/-0.028 χ^2/NDF: 2344674.4/22

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 114.884+/-0.024 χ^2/NDF: 4291127.7/28

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

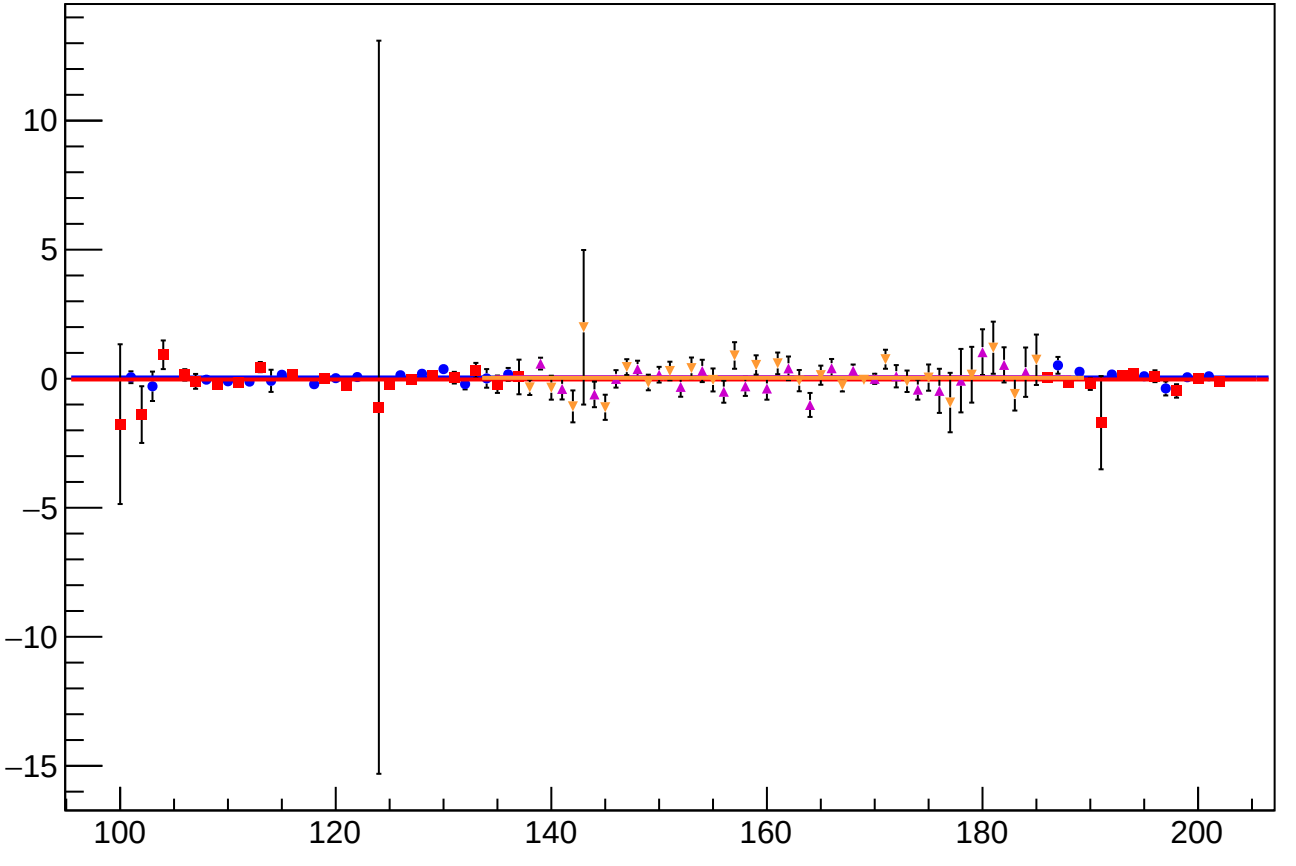
Right: 120.675+/-0.018 χ^2/NDF: 6765845.0/51

In: 164.658+/-0.025 χ^2/NDF:15276340.7/45

Out: 146.257+/-0.022 χ^2/NDF:20972638.8/53

All: 154.451+/-0.017 χ^2/NDF: 36551361.6/99

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.040 χ^2/NDF: 19.2/22

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.035 χ^2/NDF: 31.5/28

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

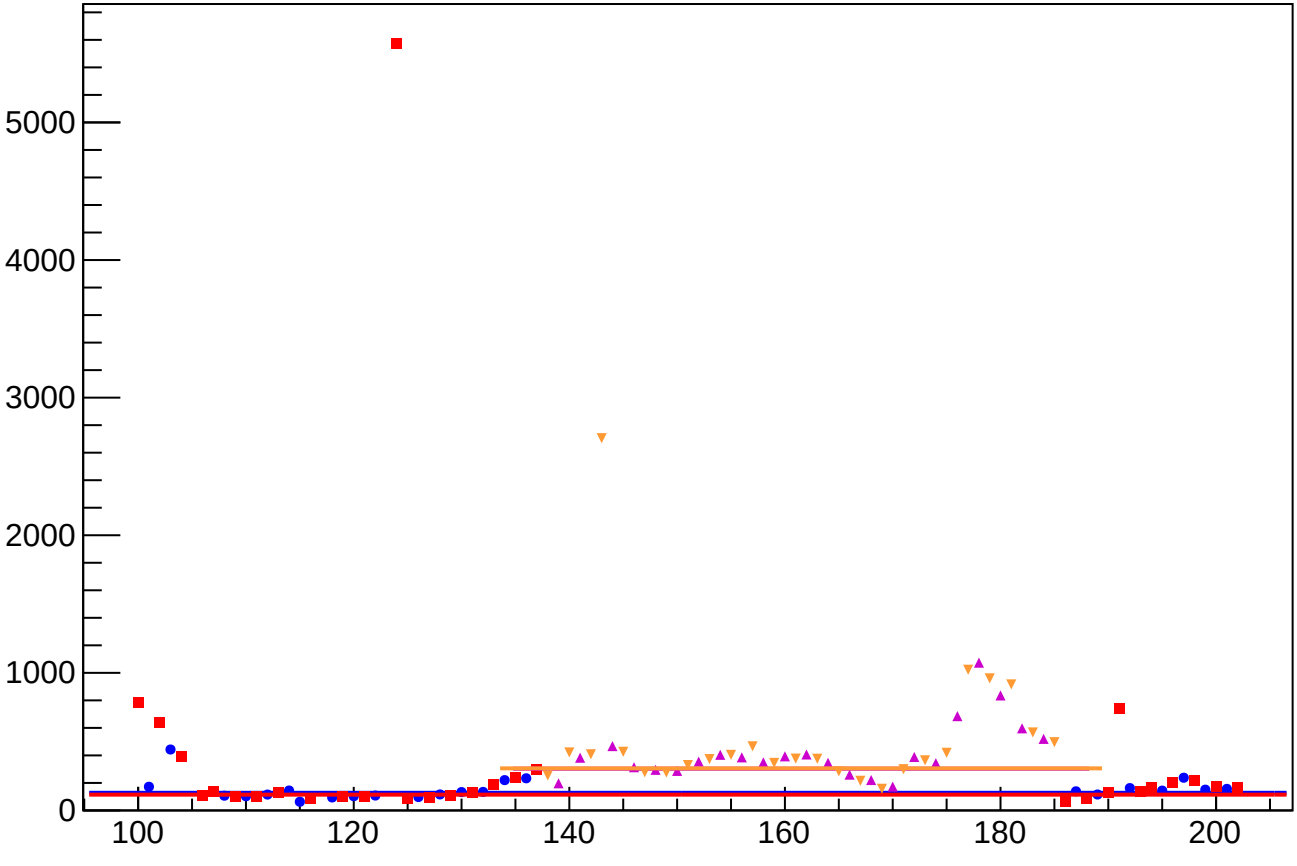
Right: 0.004+/-0.026 χ^2/NDF: 52.9/51

In: 0.050+/-0.035 χ^2/NDF:45.2/45

Out: -0.019+/-0.032 χ^2/NDF:62.5/53

All: 0.012+/-0.024 χ^2/NDF: 109.9/99

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.284+/-0.028 χ^2/NDF: 2344674.4/22

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 114.884+/-0.024 χ^2/NDF: 4291127.7/28

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

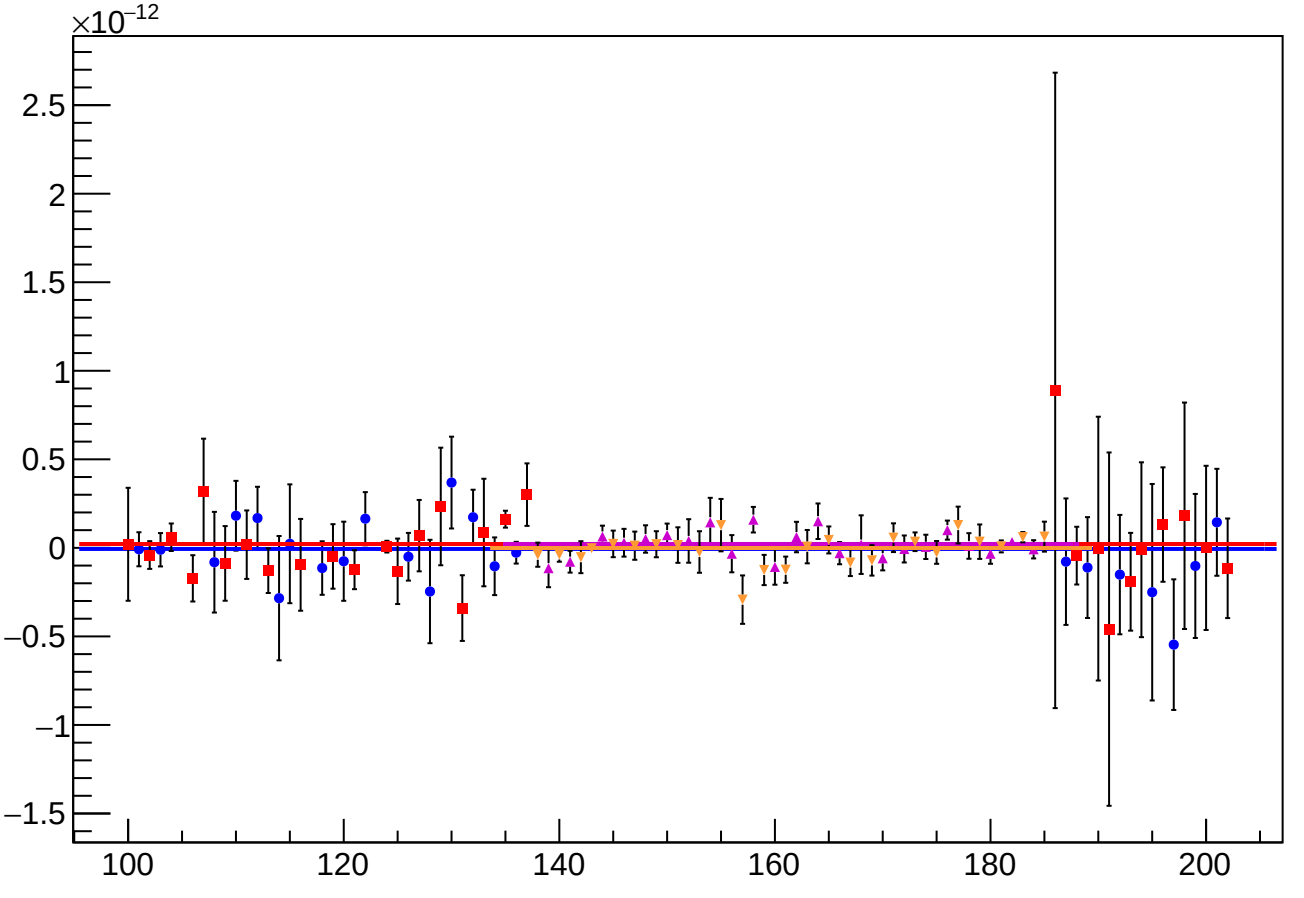
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 120.675+/-0.018 χ^2/NDF: 6765845.0/51

In: 164.658+/-0.025 χ^2/NDF:15276340.7/45

Out: 146.257+/-0.022 χ^2/NDF:20972638.8/53

All: 154.451+/-0.017 χ^2/NDF: 36551361.6/99



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

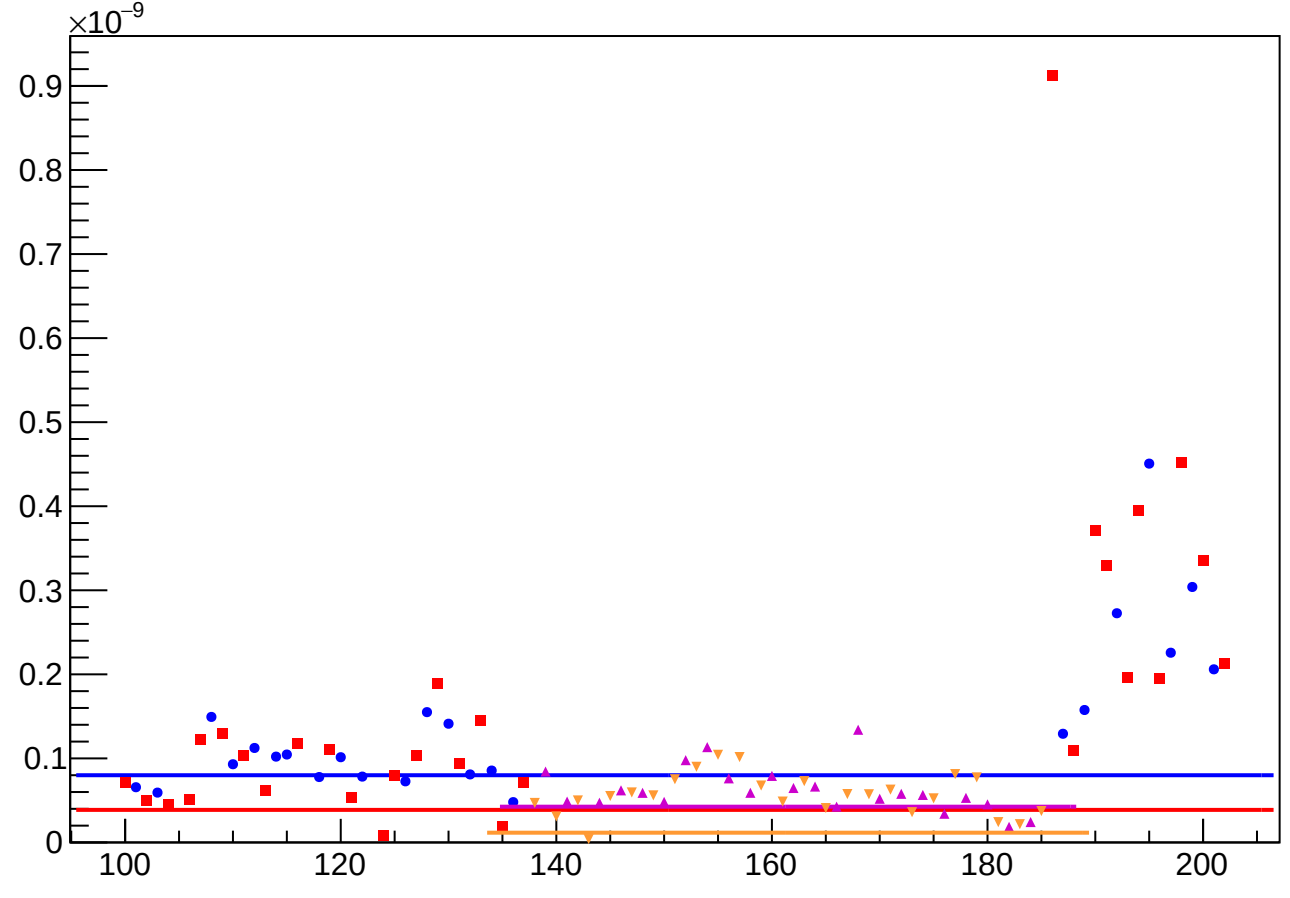
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 38.5/51

In: 0.000+/-0.000 χ^2/NDF:32.3/45

Out: 0.000+/-0.000 χ^2/NDF:49.0/53

All: 0.000+/-0.000 χ^2/NDF: 82.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 4012193.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10621612.3/28

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

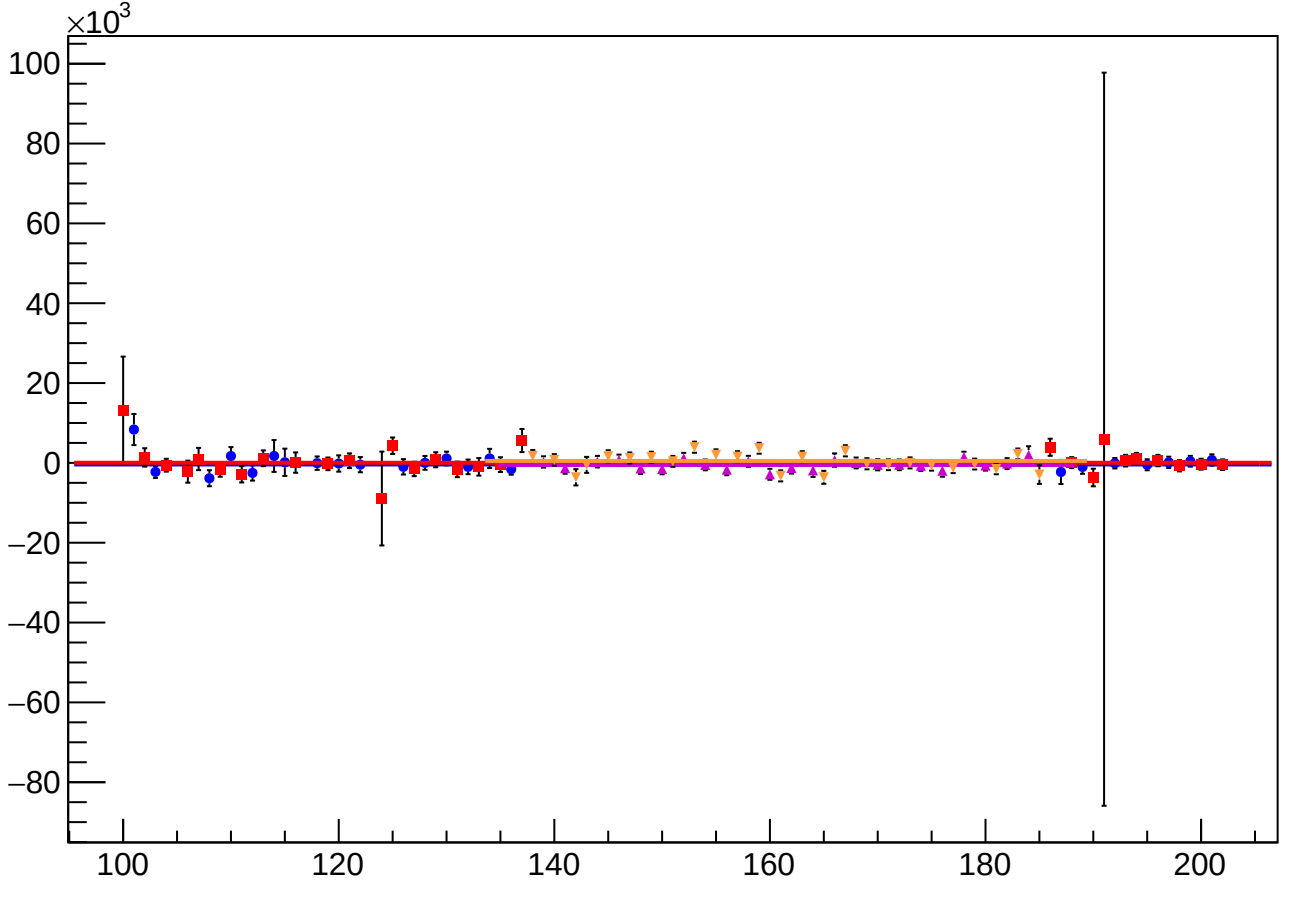
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 16811189.2/51

In: 0.000+/-0.000 χ^2/NDF:11607945.3/45

Out: 0.000+/-0.000 χ^2/NDF:31525686.4/53

All: 0.000+/-0.000 χ^2/NDF: 55778922.9/99



Right In: -394.656+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 30.557+/-347.386 χ^2/NDF: 23.5/28

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

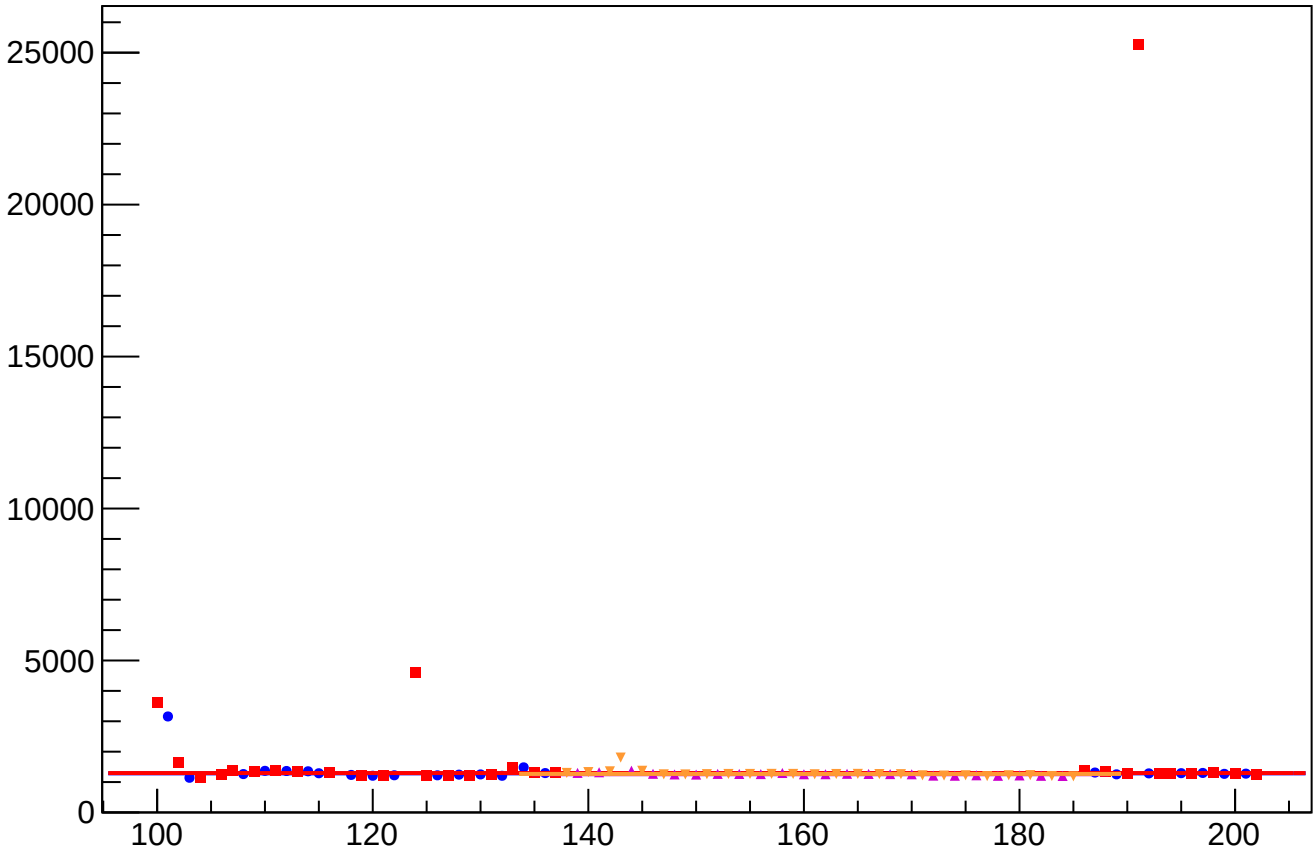
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -168.523+/-253.332 χ^2/NDF: 40.0/51

In: -451.214+/-230.127 χ^2/NDF:30.3/45

Out: 303.688+/-221.940 χ^2/NDF:71.5/53

All: -60.096+/-159.751 χ^2/NDF: 107.3/99



Right In: 1286.533+/-0.262 χ^2/NDF: 516207.6/22

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.553+/-0.245 χ^2/NDF: 467821.5/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

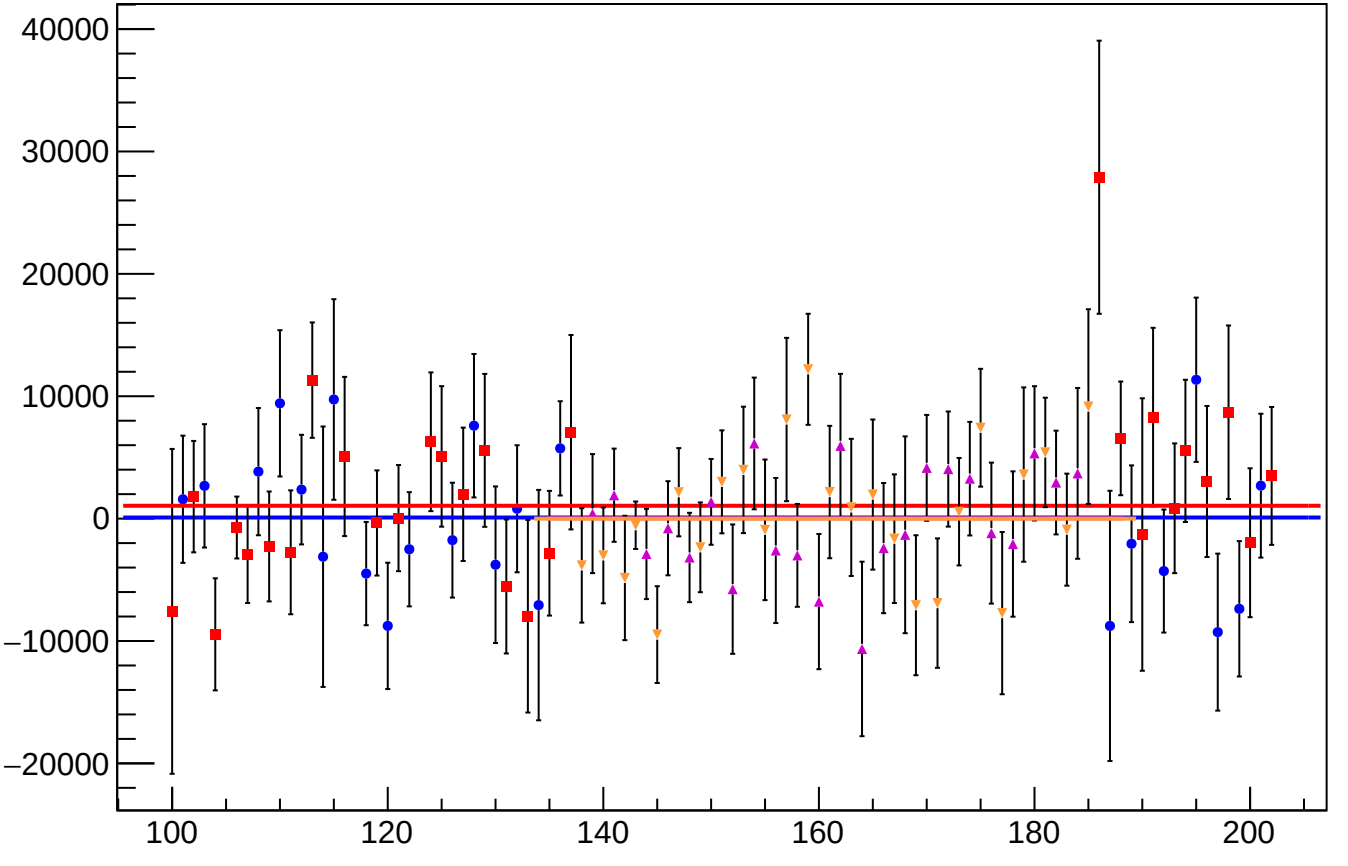
Right: 1291.868+/-0.179 χ^2/NDF: 984809.1/51

In: 1268.748+/-0.163 χ^2/NDF:560544.4/45

Out: 1279.063+/-0.157 χ^2/NDF:663965.9/53

All: 1274.095+/-0.113 χ^2/NDF: 1226592.9/99

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 89.768+/-1154.948 χ^2/NDF: 22.8/22

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1049.679+/-970.752 χ^2/NDF: 29.9/28

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

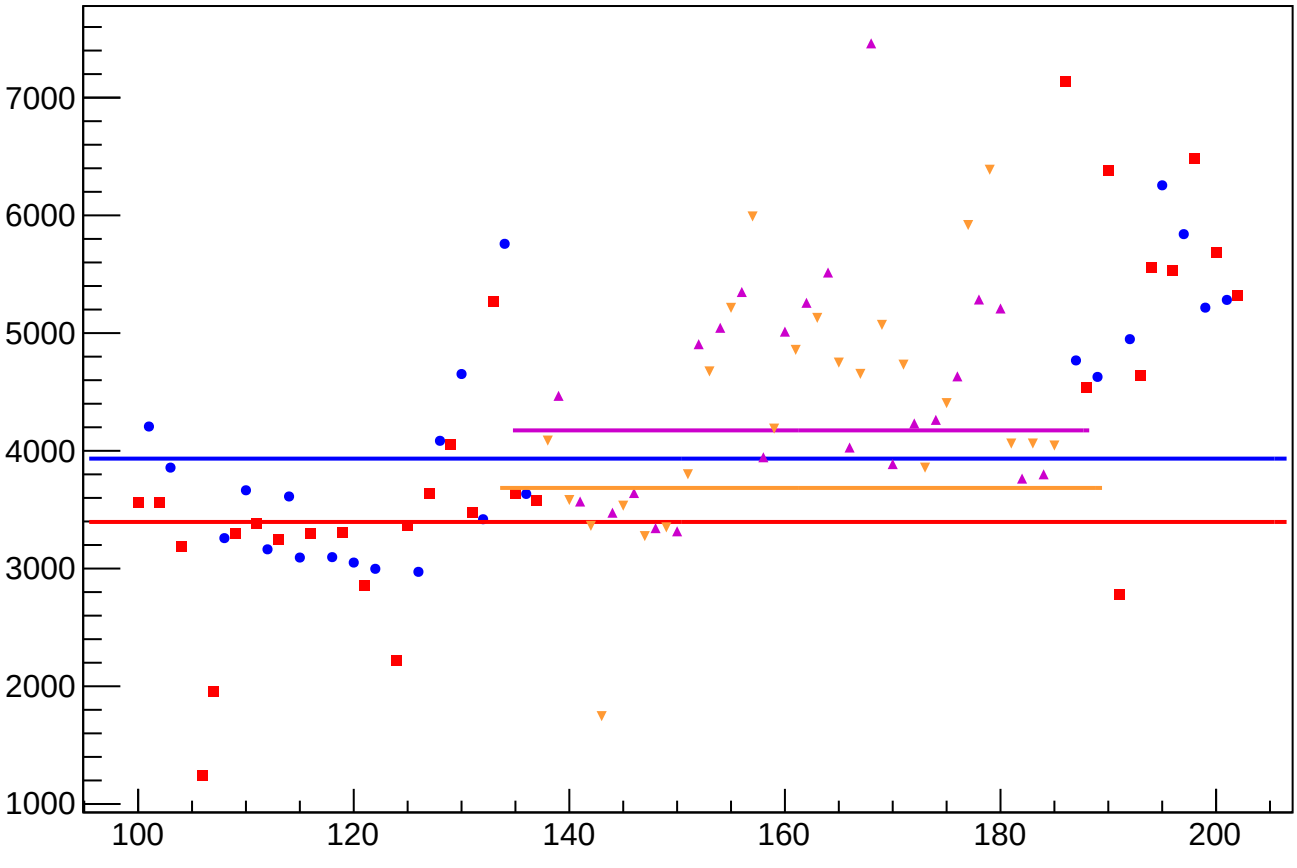
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 652.281+/-743.121 χ^2/NDF: 53.2/51

In: 56.386+/-753.982 χ^2/NDF:36.9/45

Out: 476.983+/-654.609 χ^2/NDF:59.6/53

All: 296.210+/-494.305 χ^2/NDF: 96.7/99



Right In: 3933.796+/-0.817 χ^2/NDF: 1306248.7/22

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3395.819+/-0.686 χ^2/NDF: 4012509.1/28

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

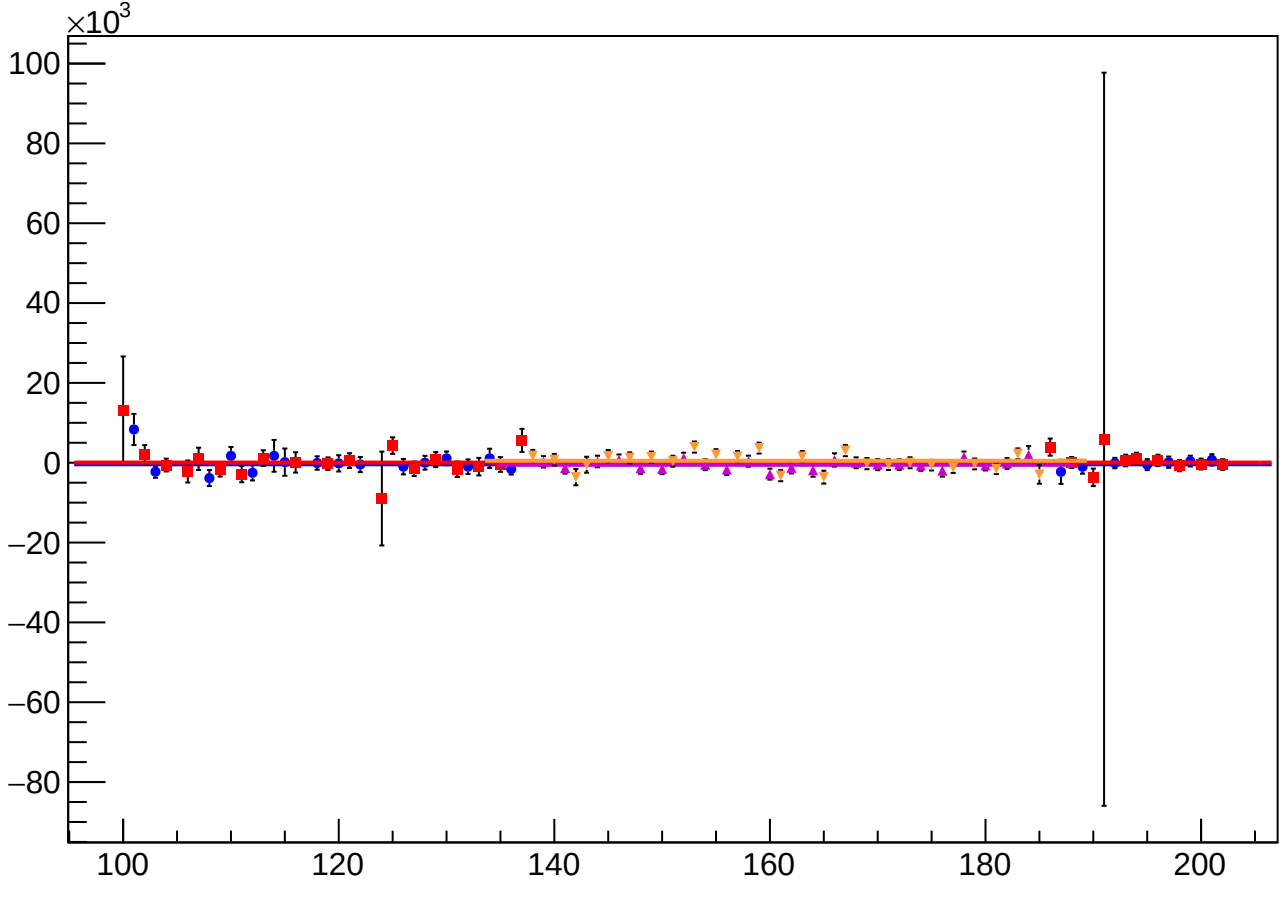
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3618.538+/-0.525 χ^2/NDF: 5573051.1/51

In: 4071.374+/-0.533 χ^2/NDF:2630674.4/45

Out: 3553.377+/-0.463 χ^2/NDF:7802777.4/53

All: 3776.013+/-0.350 χ^2/NDF: 10971708.7/9



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

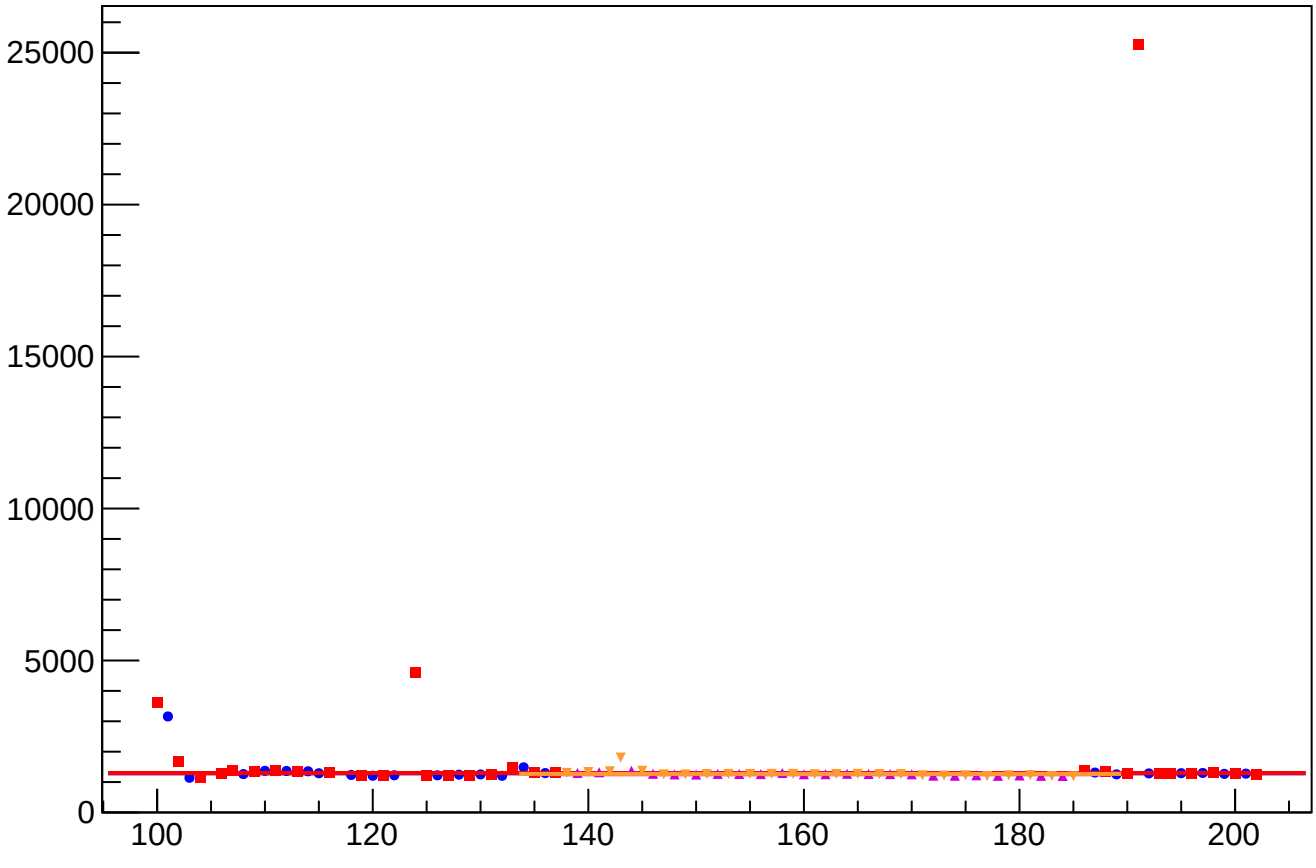
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -160.832+/-253.377 χ^2/NDF: 40.5/51

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -56.987+/-159.762 χ^2/NDF: 107.8/99



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

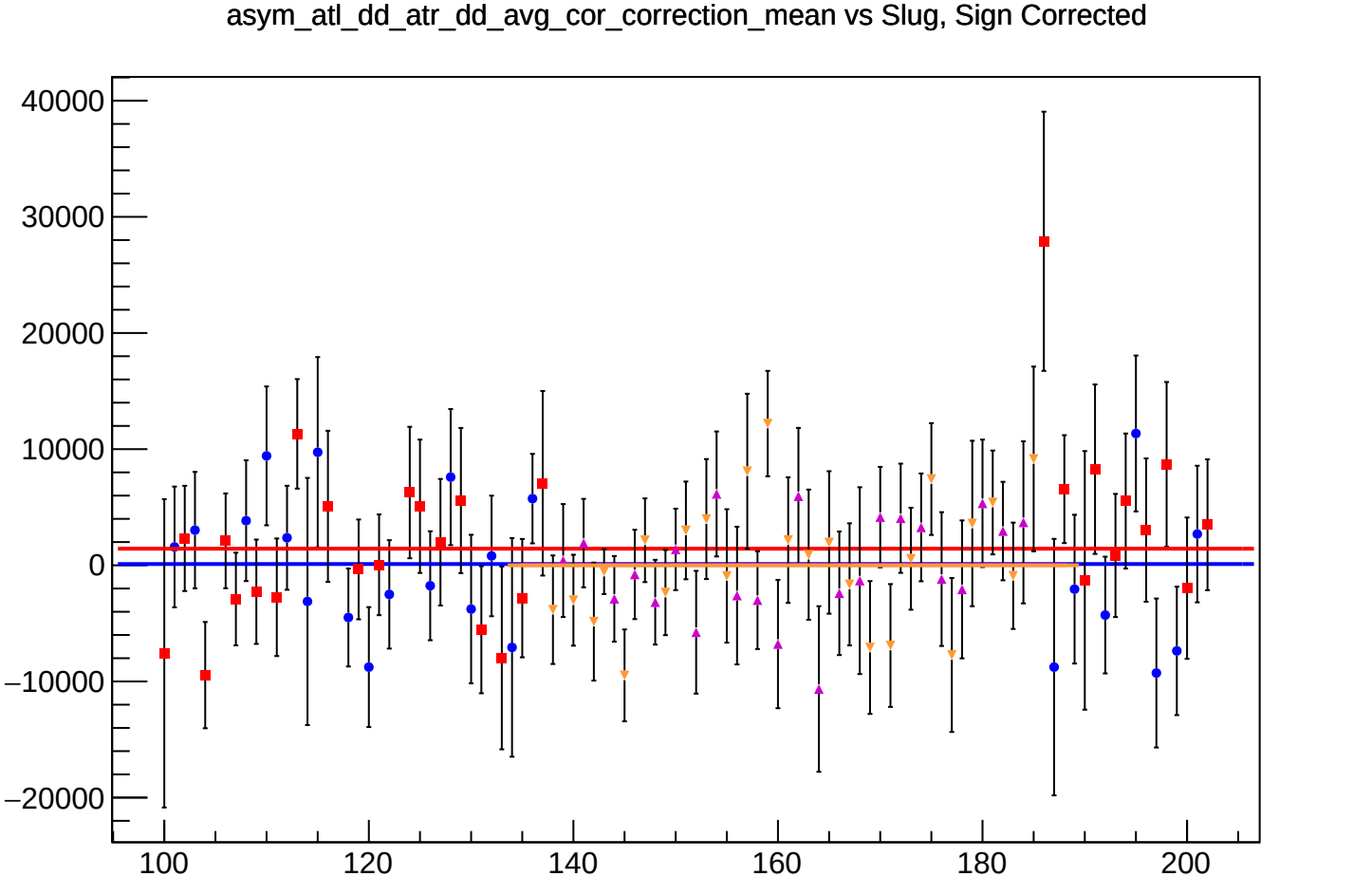
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

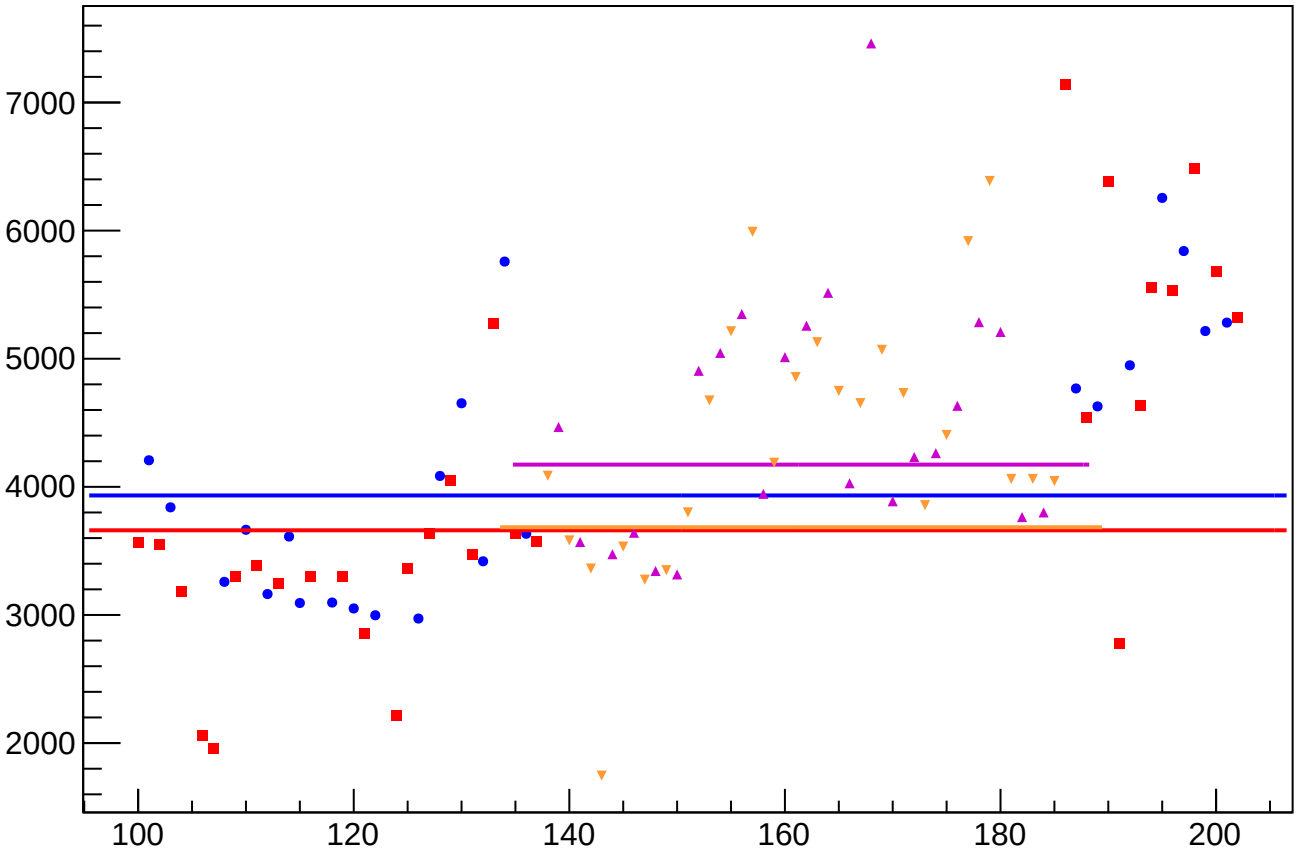
Right: 1292.411+/-0.179 χ^2/NDF: 991599.8/51

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99


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
Right In: 109.730+/-1154.647 χ²/NDF: 22.9/22
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1428.505+/-1017.726 χ²/NDF: 29.4/28
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 851.909+/-763.484 χ²/NDF: 53.1/51
In: 64.906+/-753.898 χ²/NDF:37.0/45
Out: 615.957+/-668.457 χ²/NDF:59.6/53
All: 373.414+/-500.162 χ²/NDF: 96.9/99



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

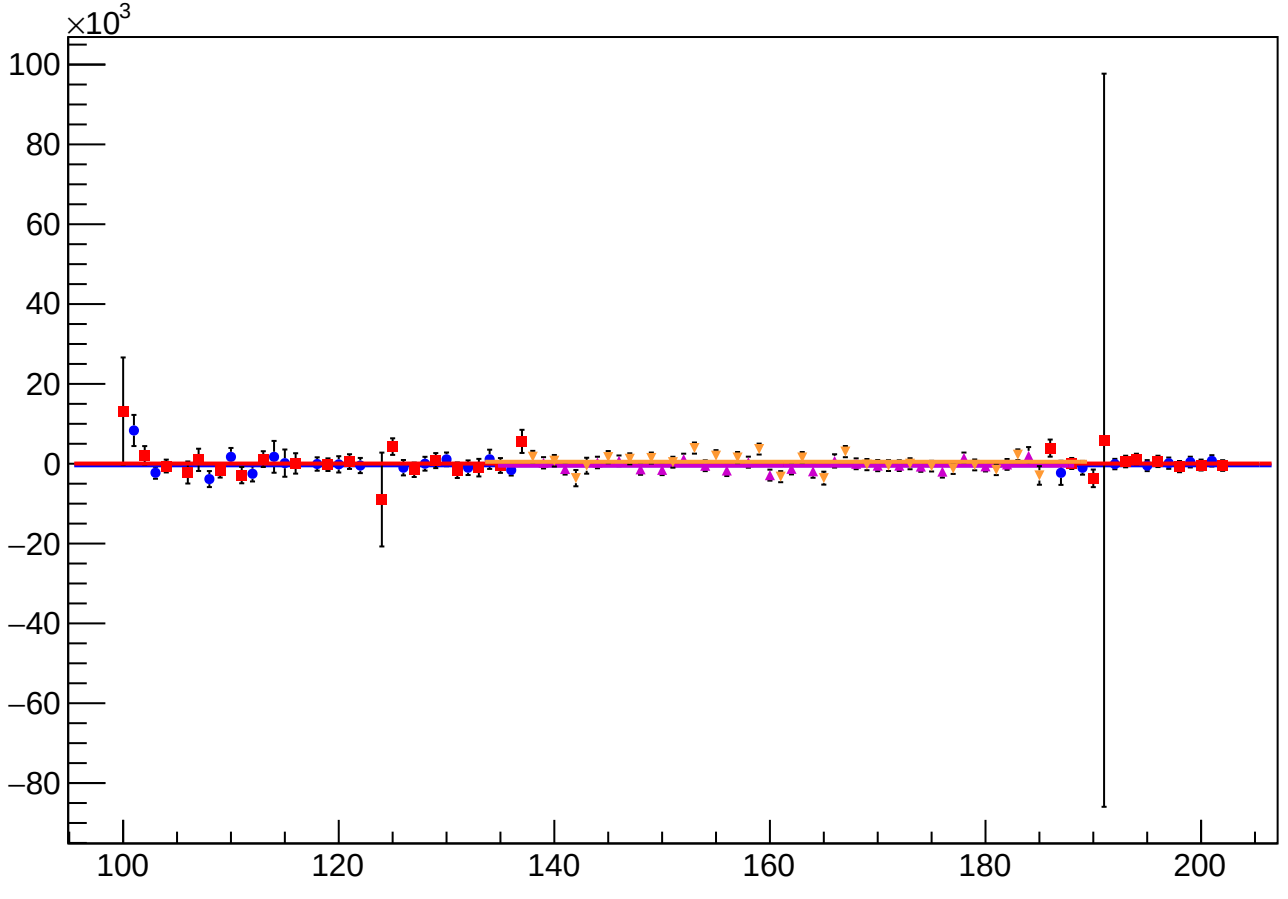
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3779.748+/-0.540 χ^2/NDF: 4008832.2/51

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

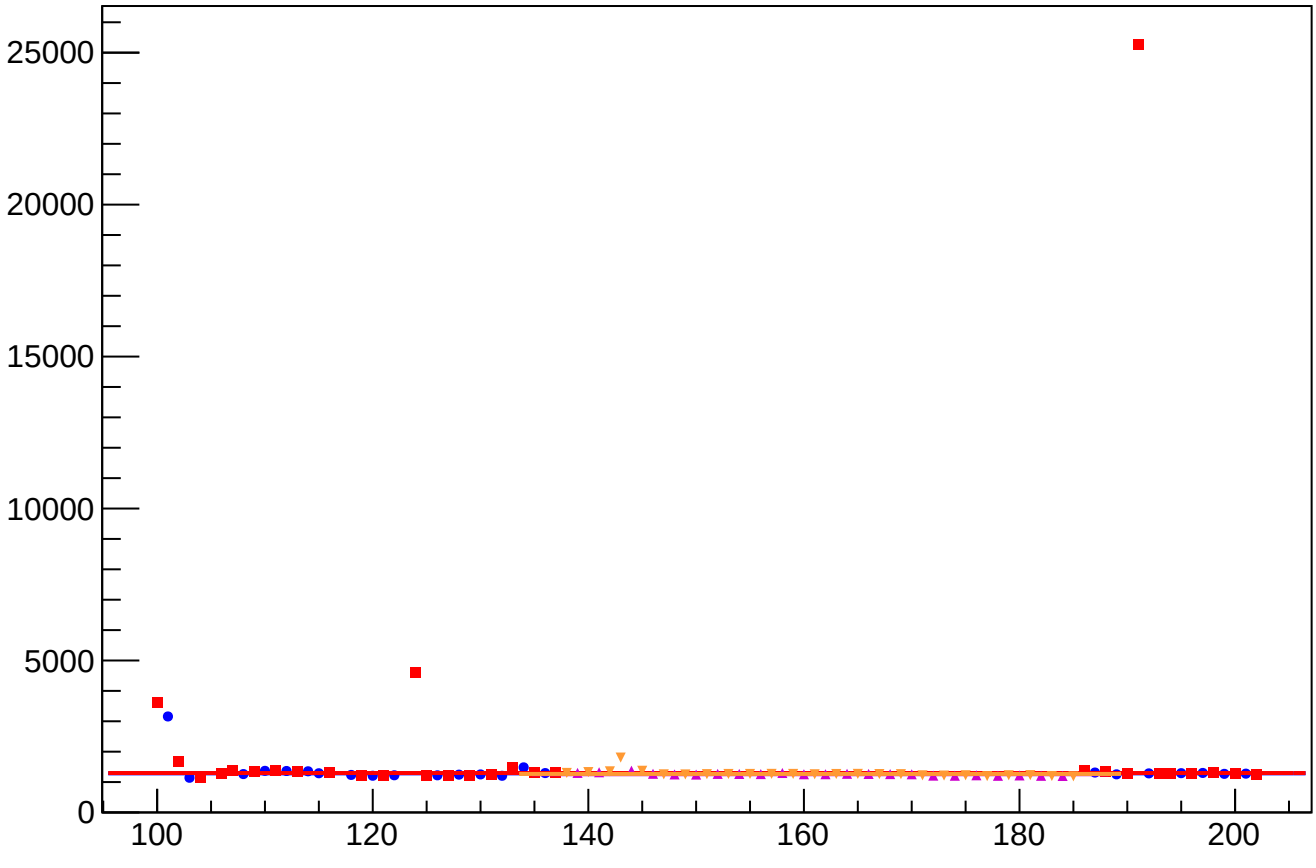
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -160.832+/-253.377 χ^2/NDF: 40.5/51

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -56.987+/-159.762 χ^2/NDF: 107.8/99



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

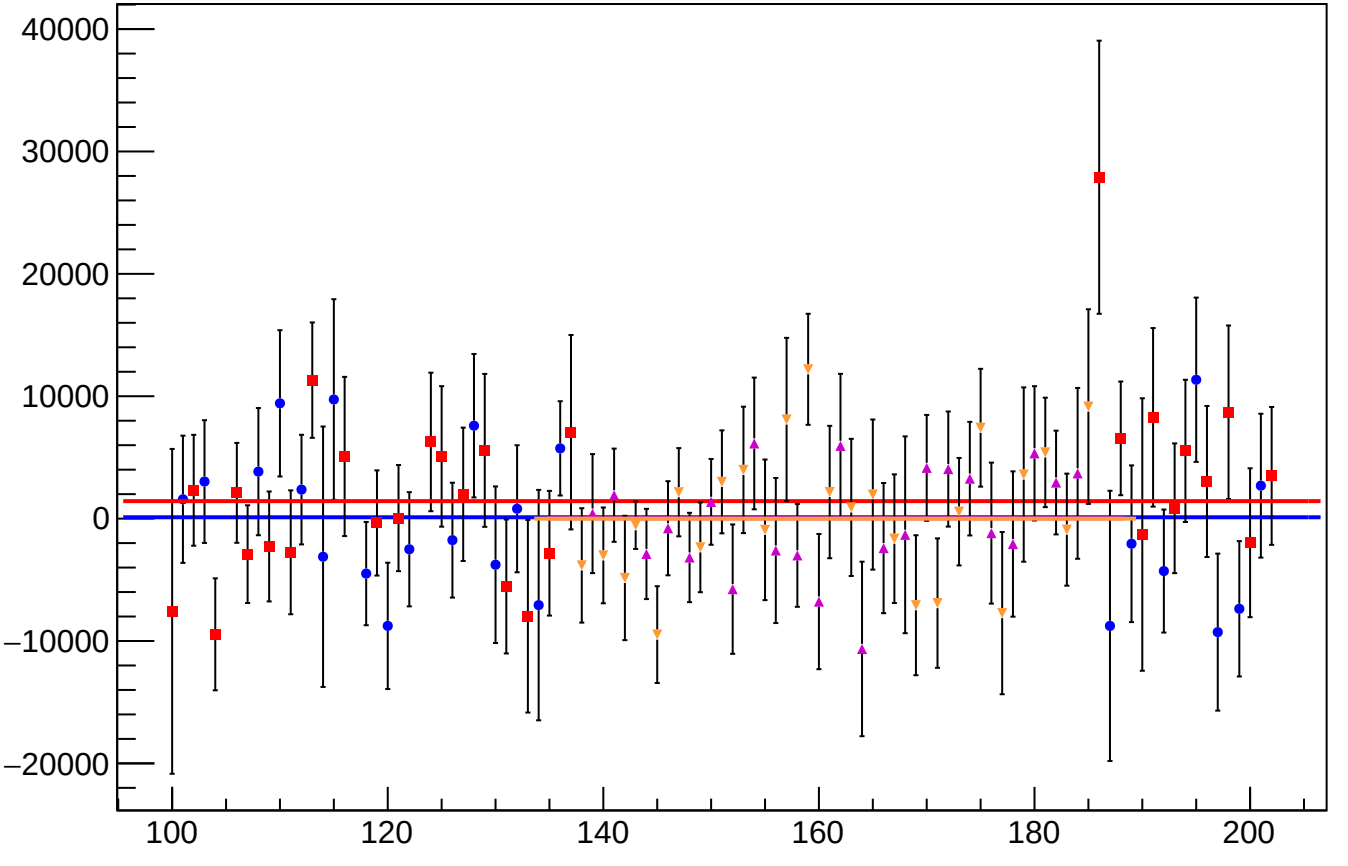
Right: 1292.411+/-0.179 χ^2/NDF: 991599.8/51

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

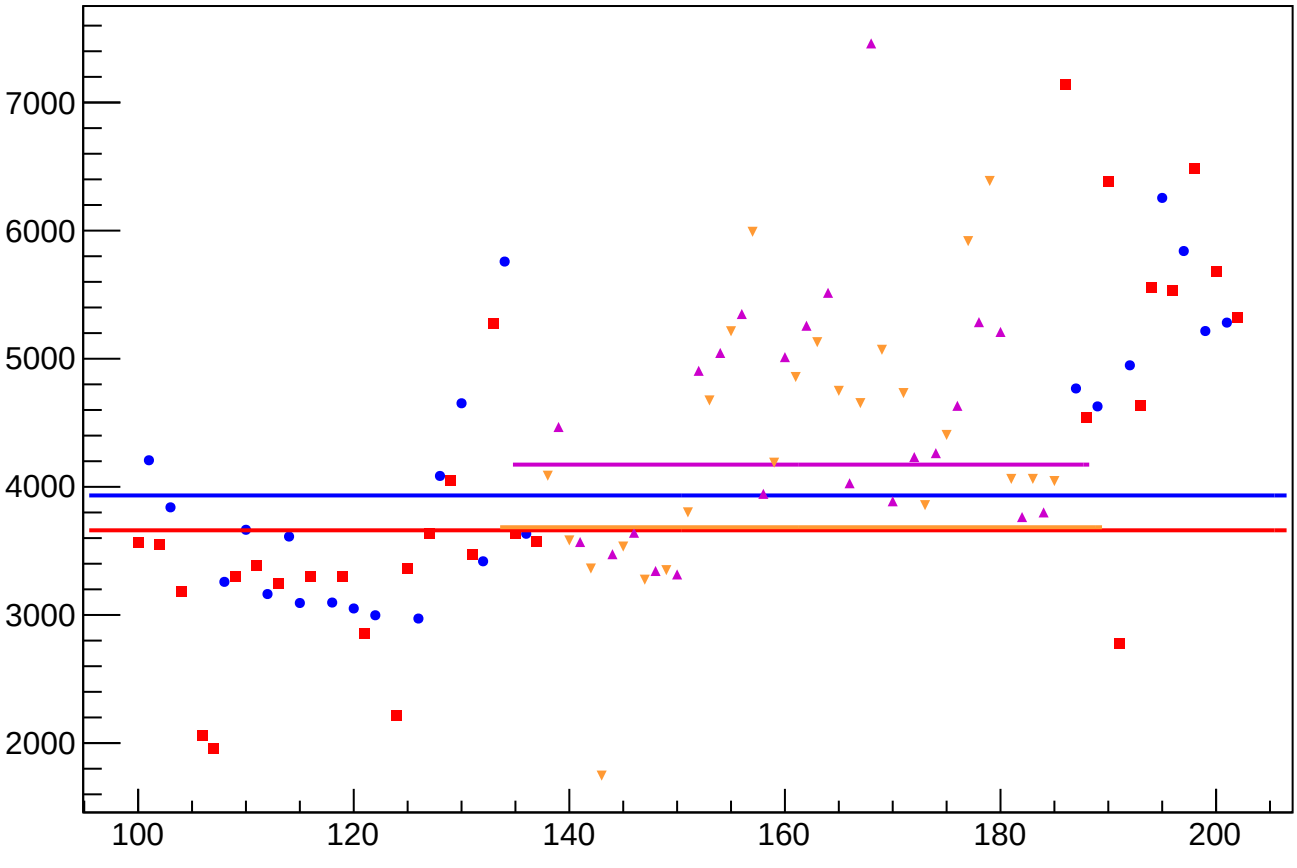
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 851.909+/-763.484 χ^2/NDF: 53.1/51

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 373.414+/-500.162 χ^2/NDF: 96.9/99



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

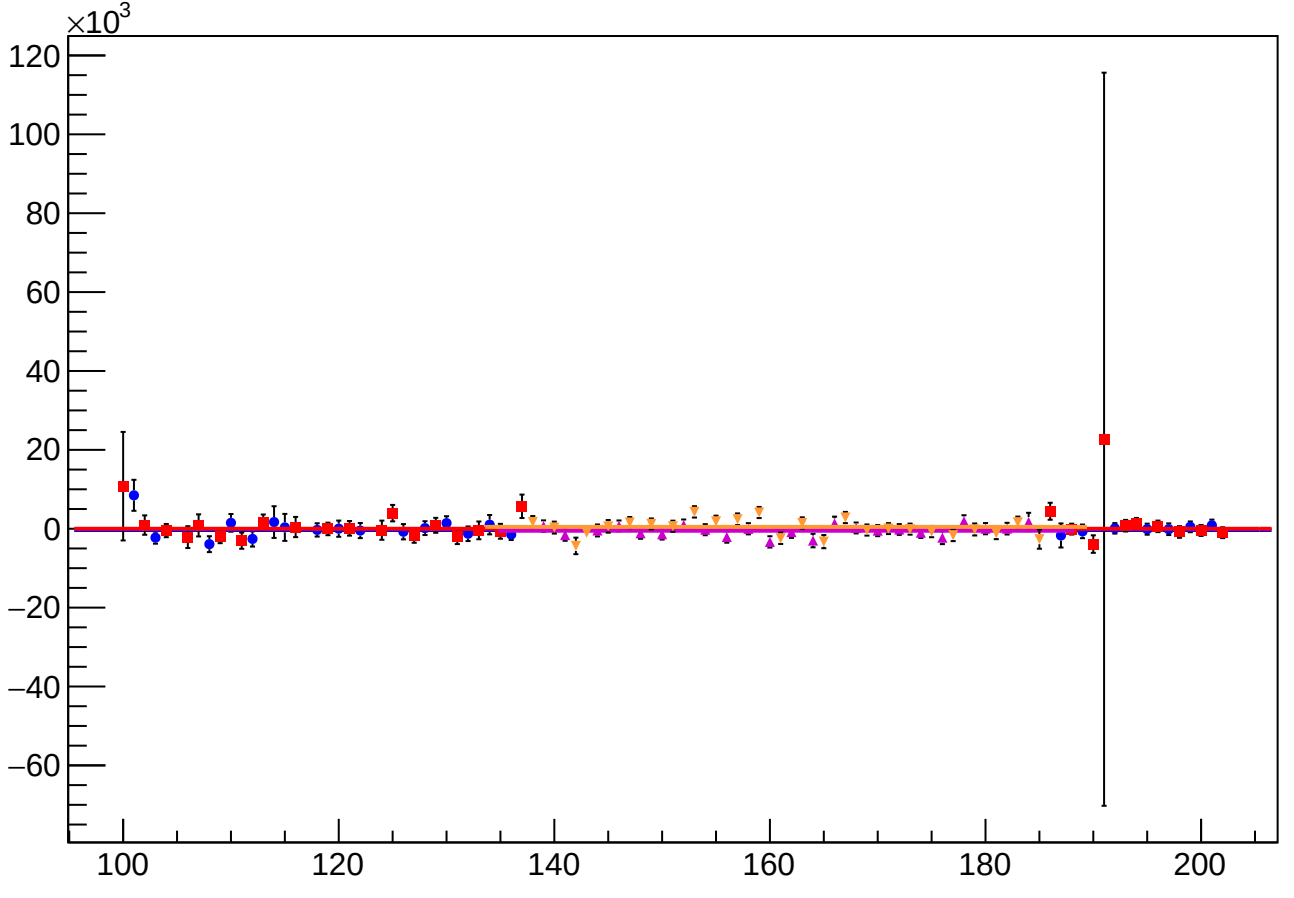
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3779.748+/-0.540 χ^2/NDF: 4008832.2/51

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.934+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

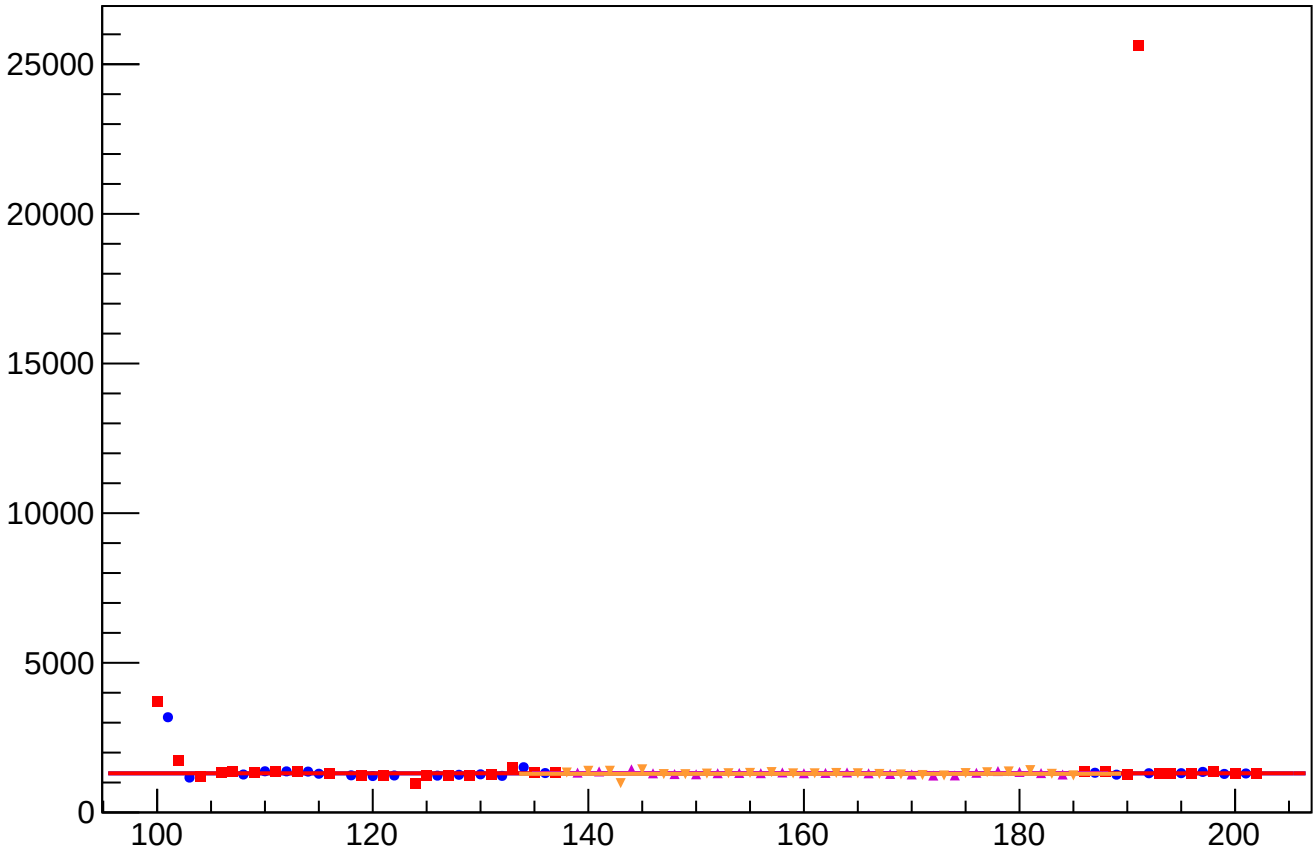
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -154.957+/-256.097 χ^2/NDF: 40.9/51

In: -430.438+/-237.760 χ^2/NDF:33.4/45

Out: 269.613+/-225.229 χ^2/NDF:69.9/53

All: -61.478+/-163.512 χ^2/NDF: 107.9/99



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.5/22

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.3/28

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

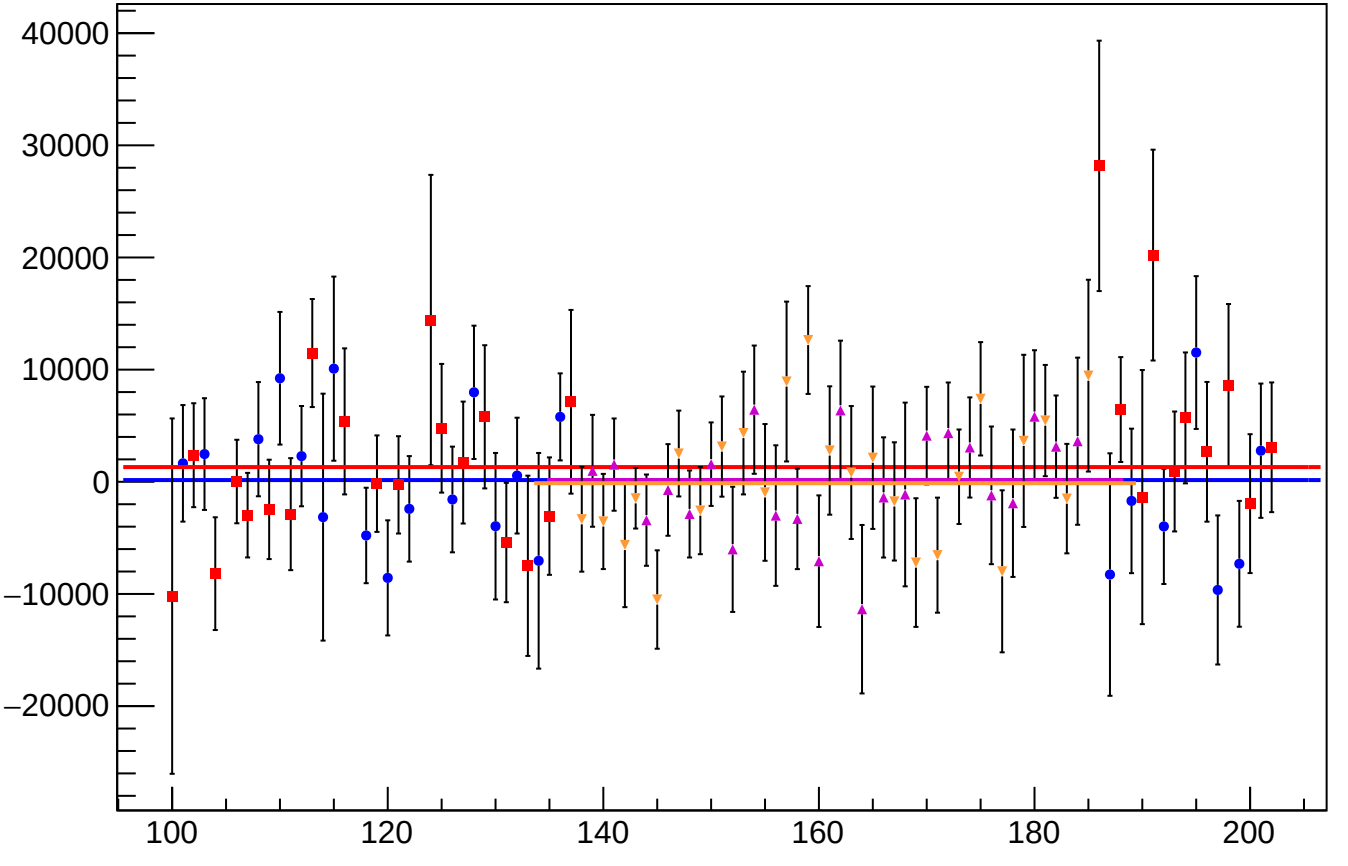
Right: 1307.241+/-0.181 χ^2/NDF: 878032.1/51

In: 1310.613+/-0.168 χ^2/NDF:558267.1/45

Out: 1298.467+/-0.159 χ^2/NDF:597012.5/53

All: 1304.210+/-0.116 χ^2/NDF: 1158030.9/99

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 153.864+/-1160.928 χ^2/NDF: 22.7/22

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1312.194+/-1035.746 χ^2/NDF: 31.0/28

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

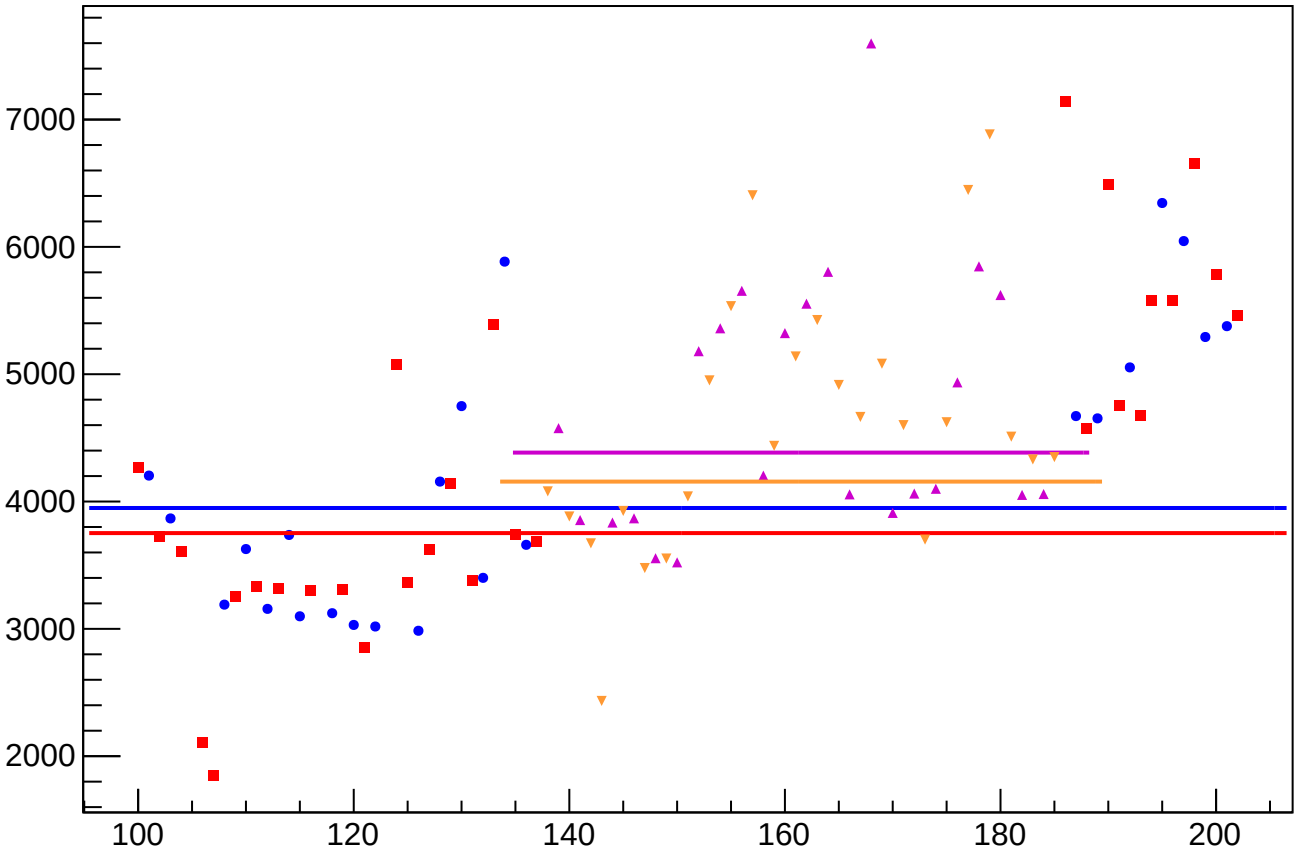
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 798.825+/-772.865 χ^2/NDF: 54.3/51

In: 156.950+/-776.897 χ^2/NDF:36.5/45

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 371.260+/-524.422 χ^2/NDF: 97.2/99



Right In: 3949.274+/-0.821 χ^2/NDF: 1389419.1/22

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3752.152+/-0.732 χ^2/NDF: 2726333.6/28

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

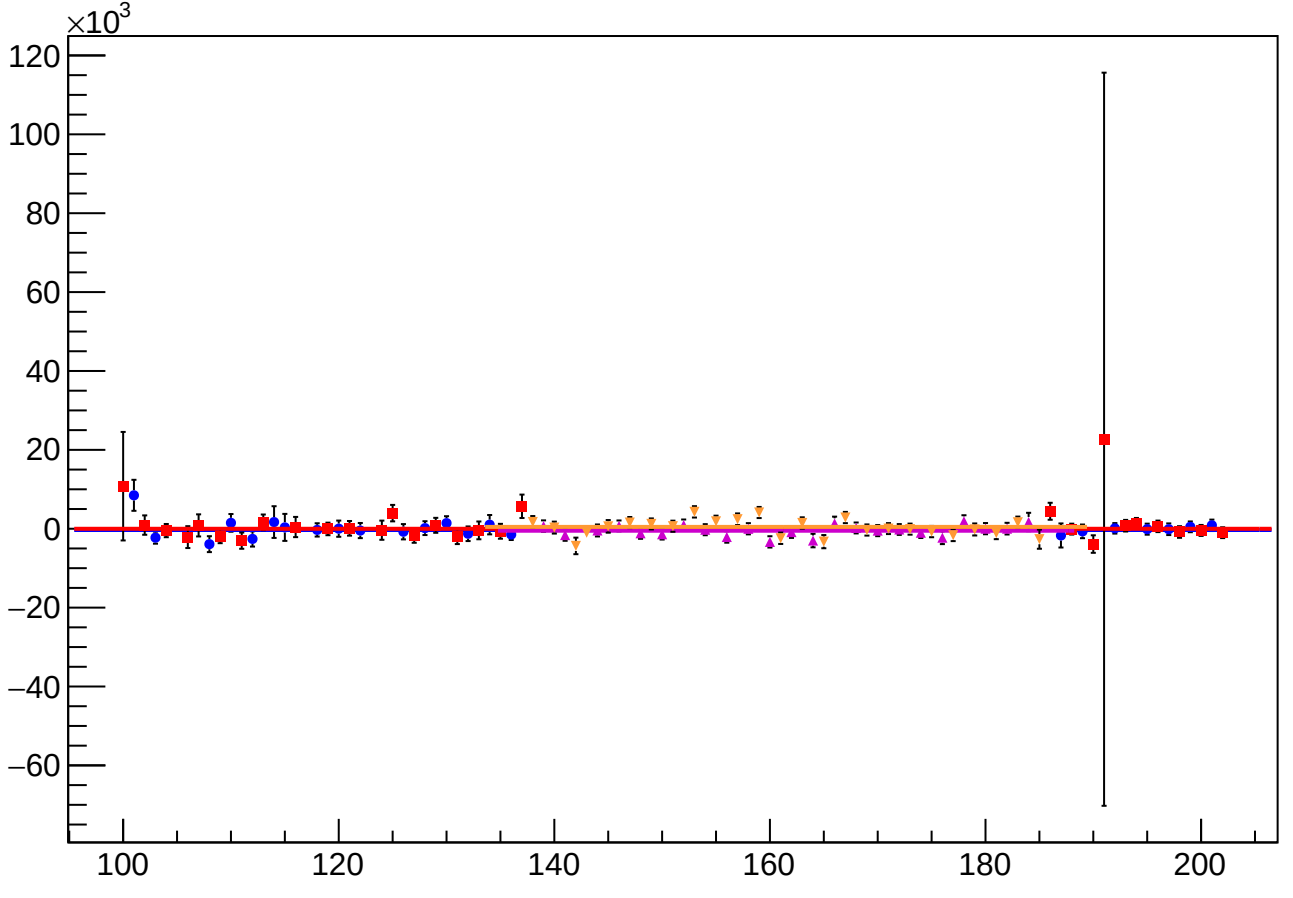
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3839.516+/-0.546 χ^2/NDF: 4147859.0/51

In: 4189.493+/-0.549 χ^2/NDF:2799973.5/45

Out: 3966.113+/-0.503 χ^2/NDF:4968424.5/53

All: 4067.897+/-0.371 χ^2/NDF: 7858403.1/99



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.937+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

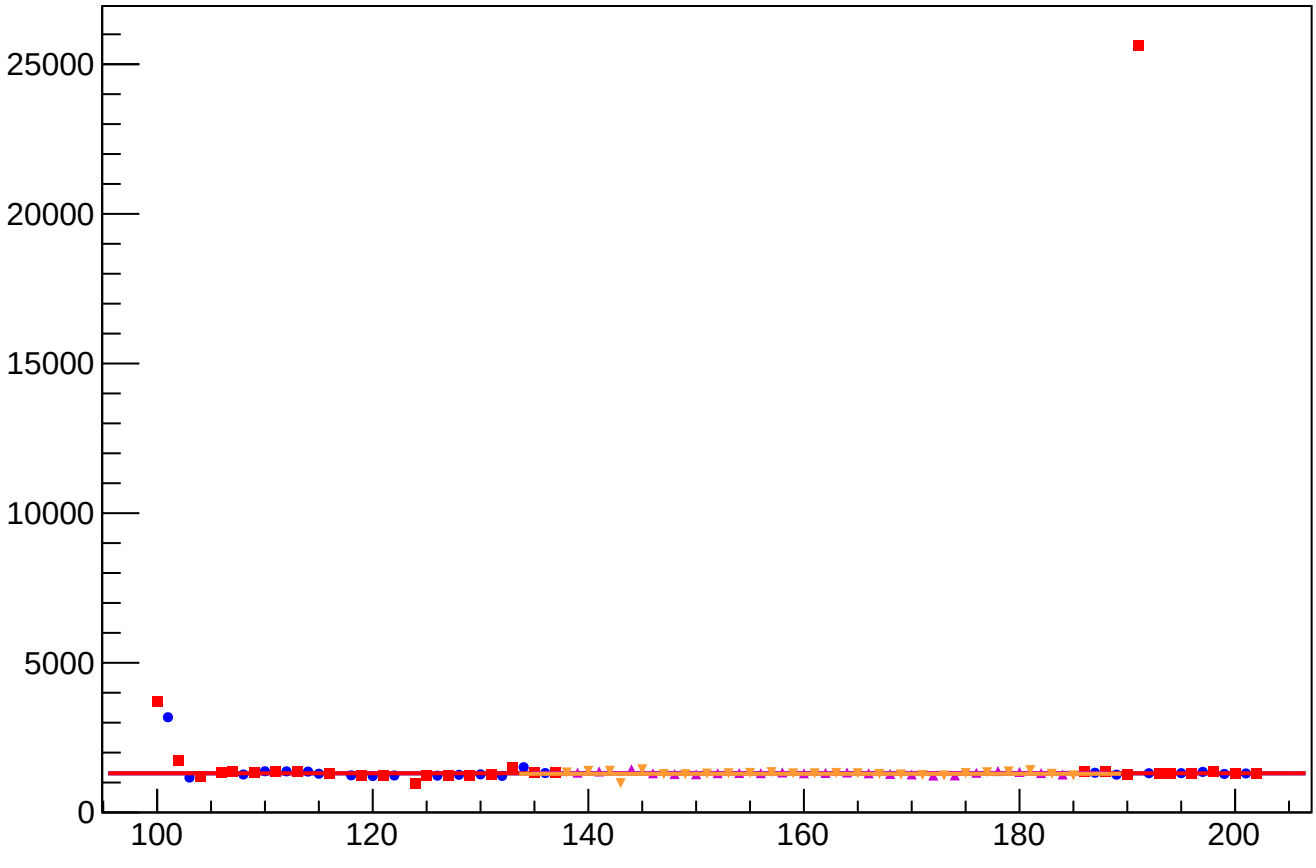
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -154.959+/-256.097 χ^2/NDF: 40.9/51

In: -430.438+/-237.761 χ^2/NDF:33.4/45

Out: 269.614+/-225.229 χ^2/NDF:69.9/53

All: -61.478+/-163.512 χ^2/NDF: 107.9/99



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.7/22

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.6/28

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

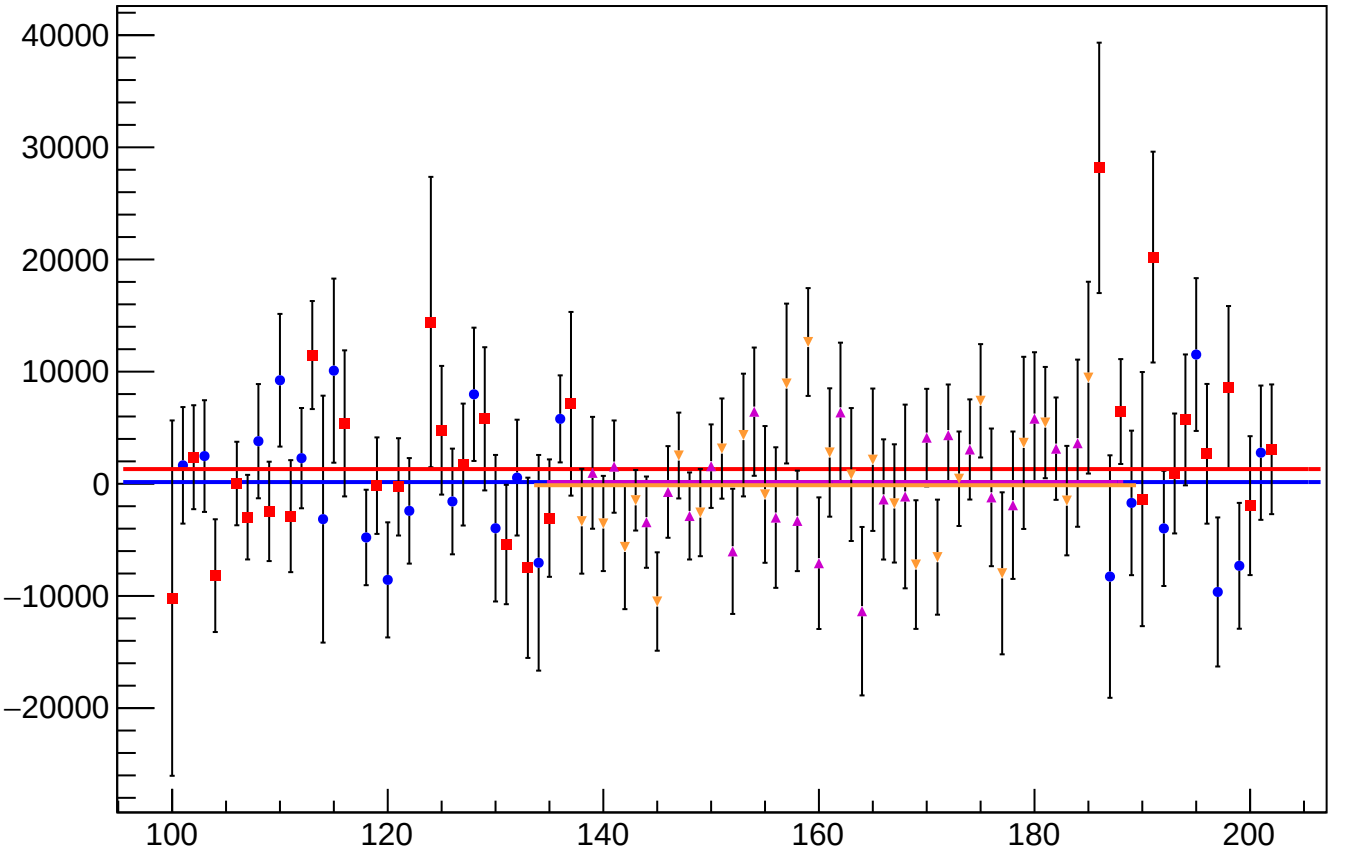
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1307.241+/-0.181 χ^2/NDF: 878032.6/51

In: 1310.614+/-0.168 χ^2/NDF:558269.7/45

Out: 1298.467+/-0.159 χ^2/NDF:597014.9/53

All: 1304.211+/-0.116 χ^2/NDF: 1158035.9/99



Right In: 153.858+/-1160.926 χ^2/NDF: 22.7/22

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1312.187+/-1035.745 χ^2/NDF: 31.0/28

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

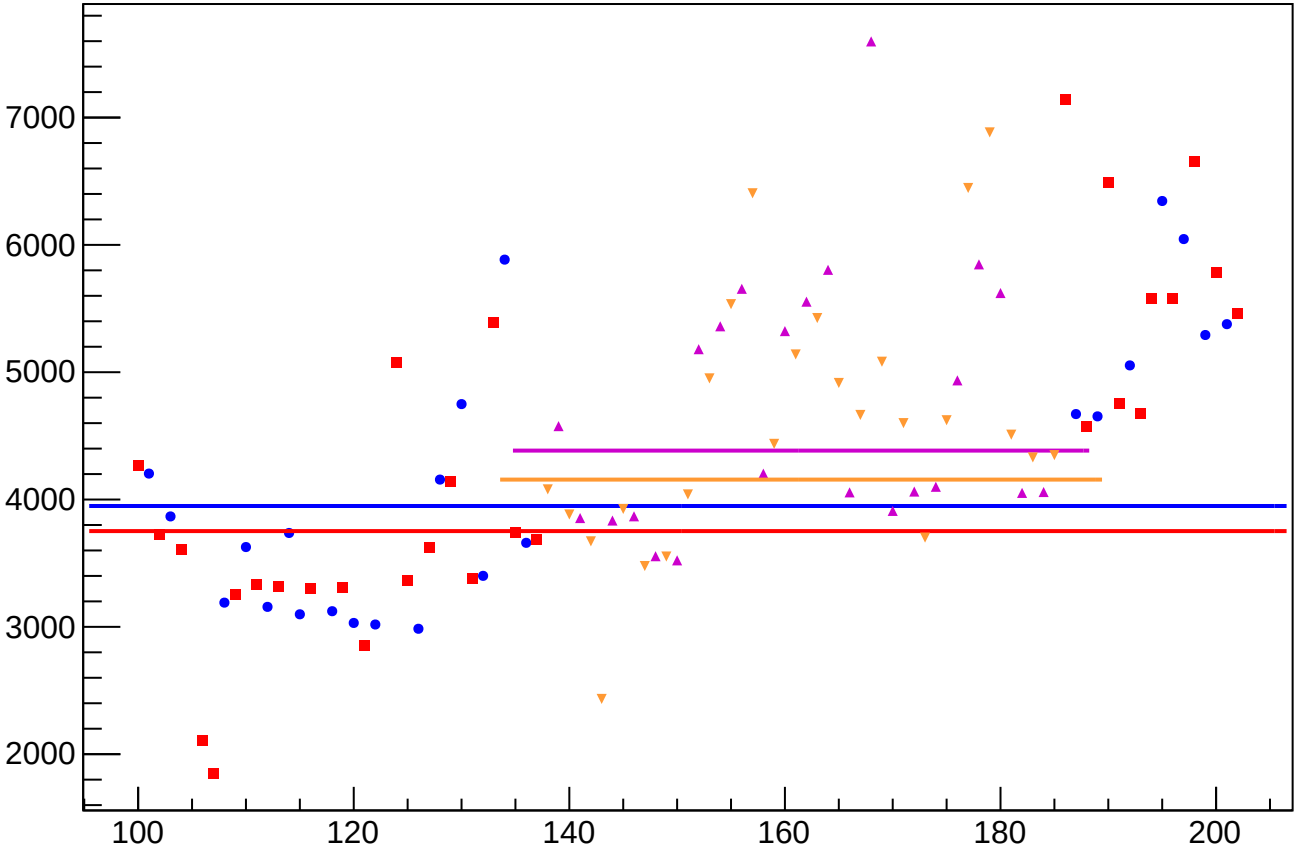
Right: 798.818+/-772.864 χ^2/NDF: 54.3/51

In: 156.948+/-776.897 χ^2/NDF:36.5/45

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 371.259+/-524.422 χ^2/NDF: 97.2/99

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3949.266+/-0.821 χ^2/NDF: 1389439.6/22

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3752.145+/-0.732 χ^2/NDF: 2726354.9/28

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

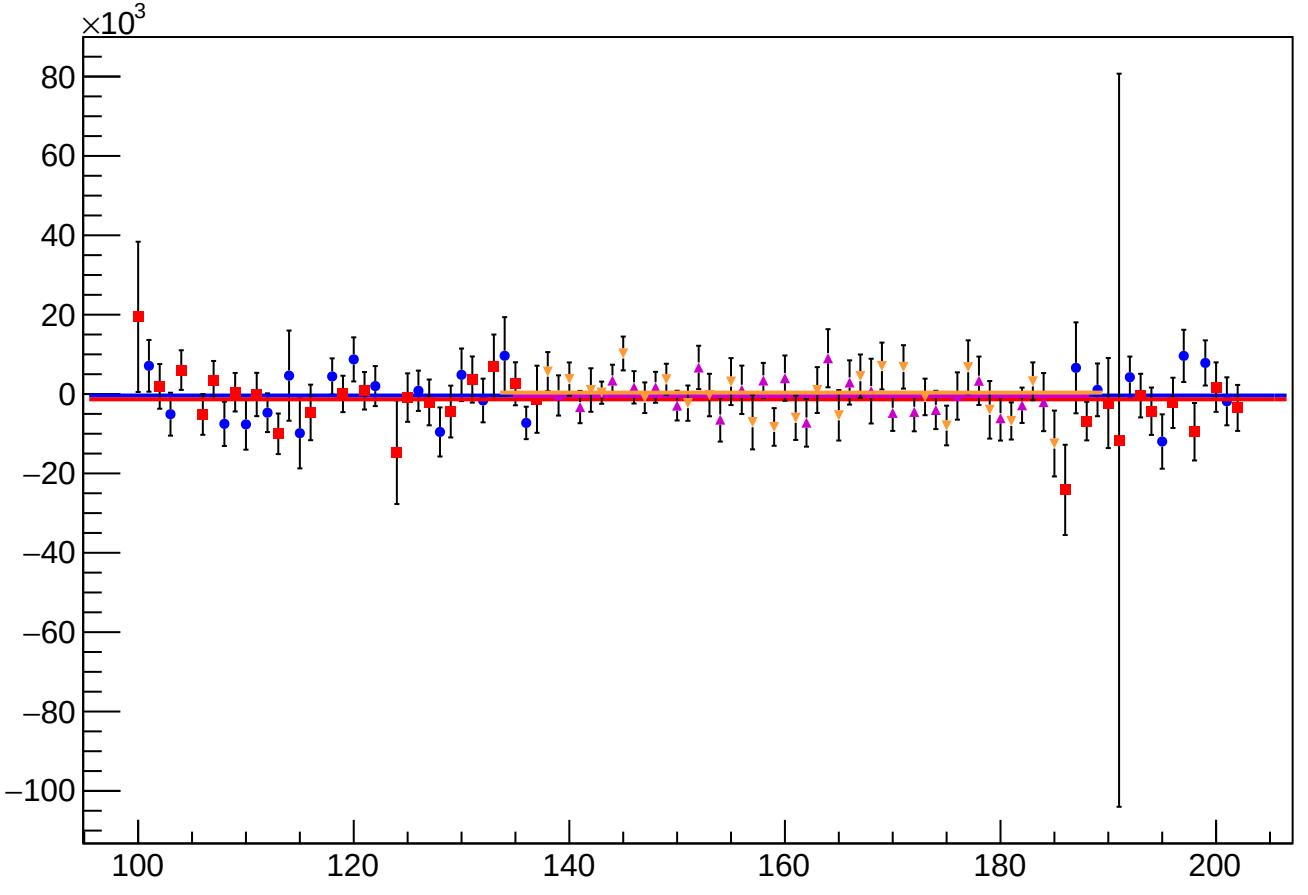
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3839.509+/-0.546 χ^2/NDF: 4147900.6/51

In: 4189.493+/-0.549 χ^2/NDF:2800008.6/45

Out: 3966.113+/-0.503 χ^2/NDF:4968459.5/53

All: 4067.897+/-0.371 χ^2/NDF: 7858473.2/99



Right In: -376.540+/-1232.959 χ^2/NDF: 26.5/22

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1332.758+/-1133.113 χ^2/NDF: 19.6/28

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

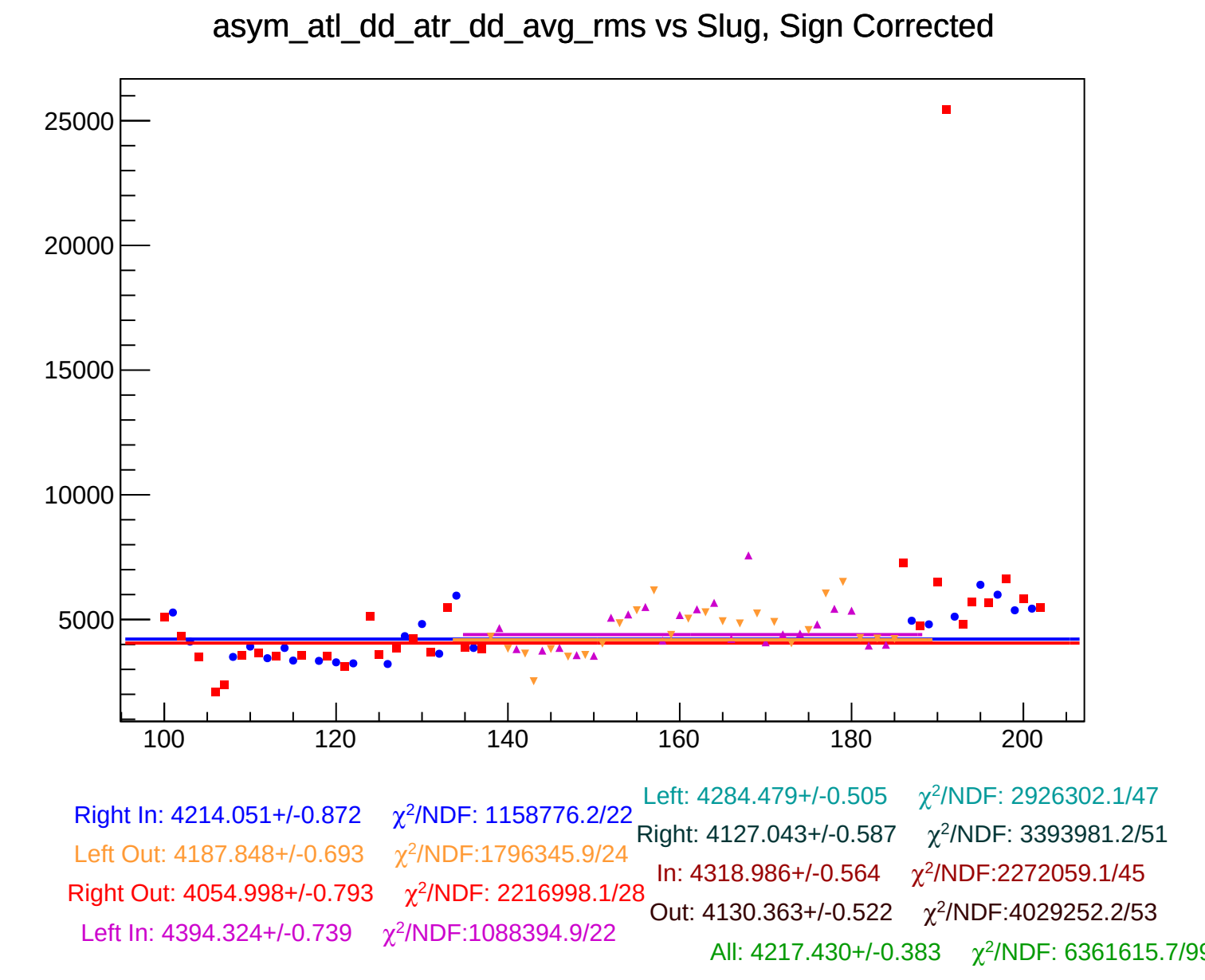
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -894.929+/-834.301 χ^2/NDF: 46.5/51

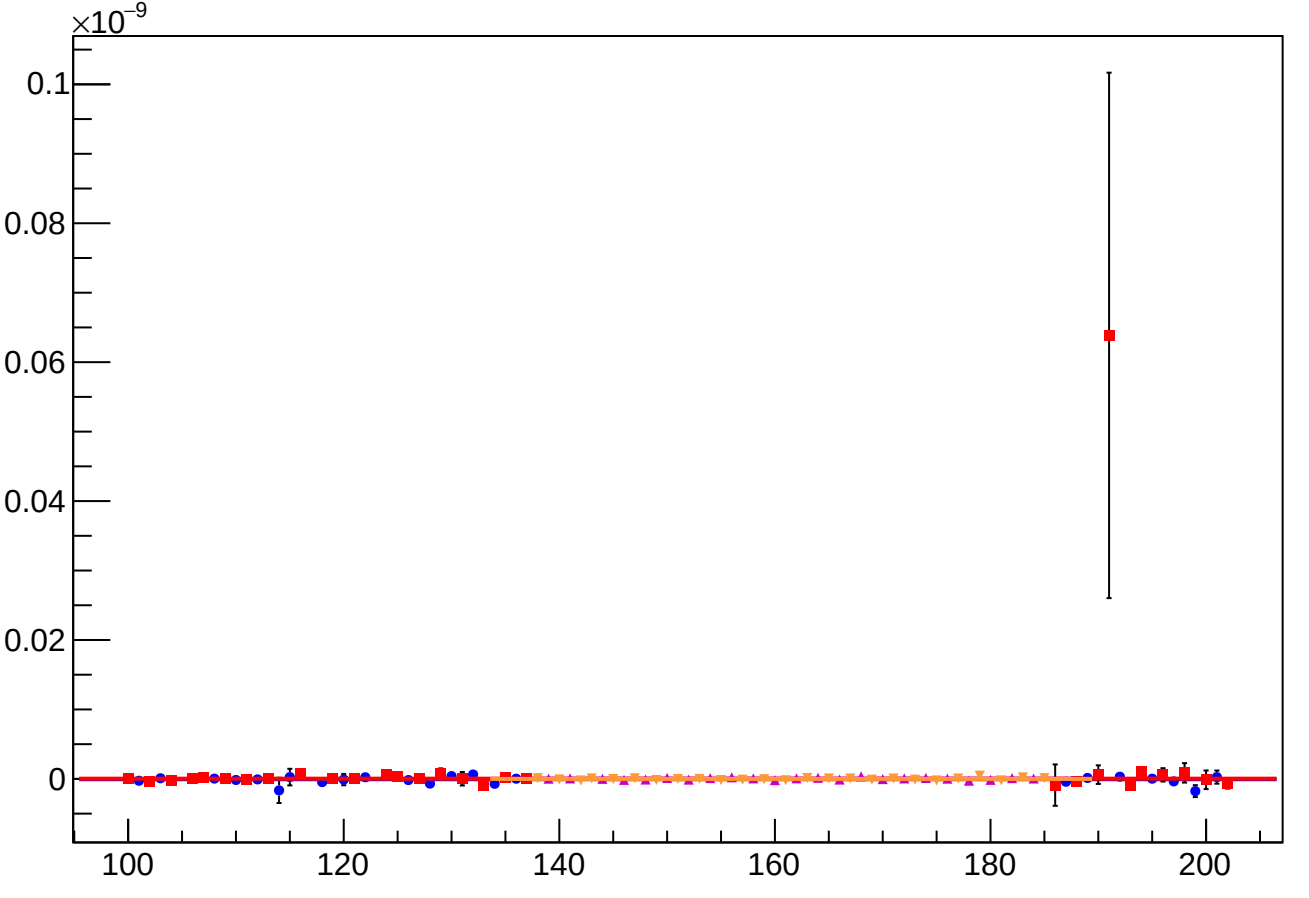
In: -446.963+/-797.058 χ^2/NDF:40.4/45

Out: -362.801+/-741.172 χ^2/NDF:48.6/53

All: -401.828+/-542.770 χ^2/NDF: 89.0/99


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4214.051+/-0.872 χ²/NDF: 1158776.2/22
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4054.998+/-0.793 χ²/NDF: 2216998.1/28
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4127.043+/-0.587 χ²/NDF: 3393981.2/51
In: 4318.986+/-0.564 χ²/NDF:2272059.1/45
Out: 4130.363+/-0.522 χ²/NDF:4029252.2/53
All: 4217.430+/-0.383 χ²/NDF: 6361615.7/99

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

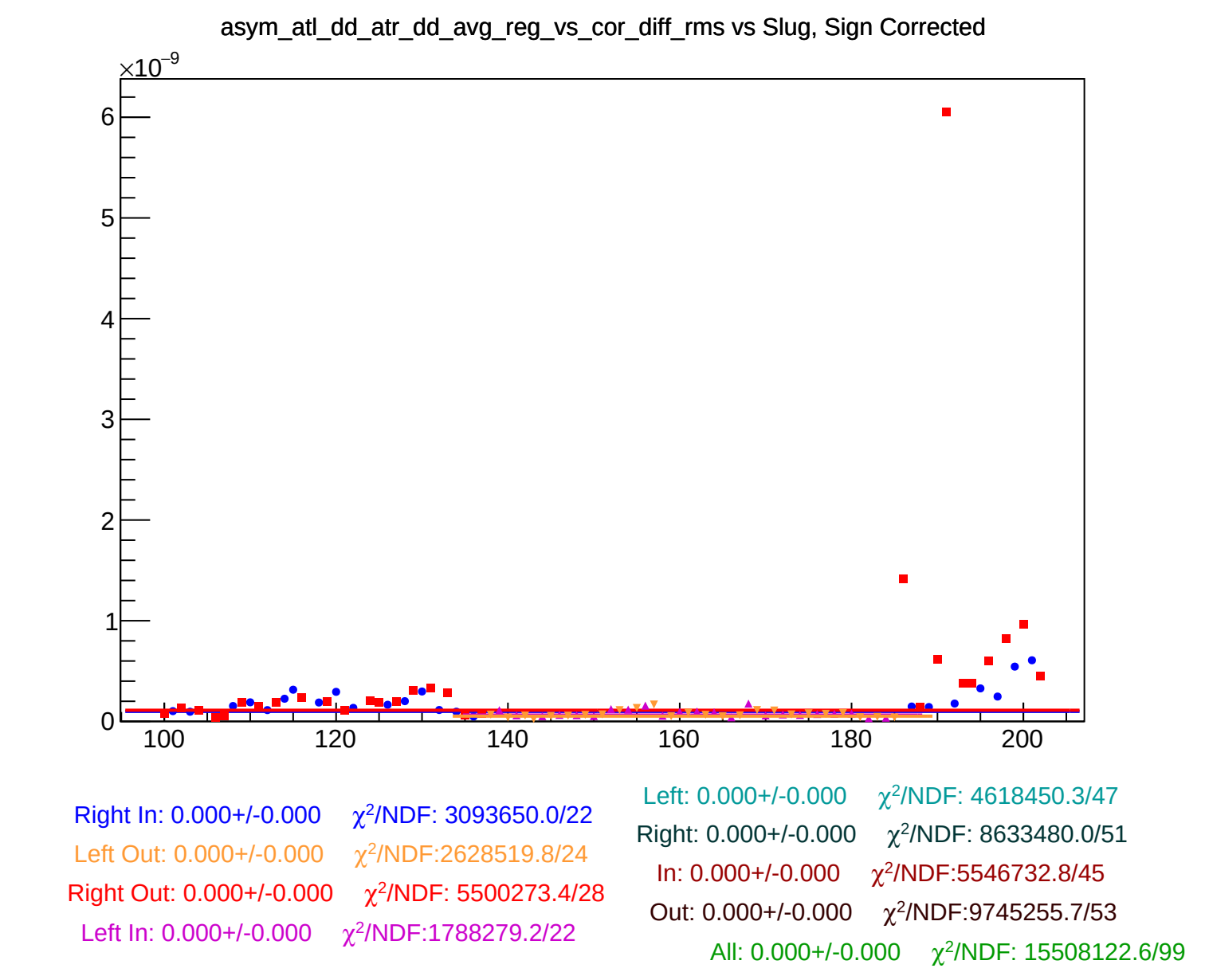
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

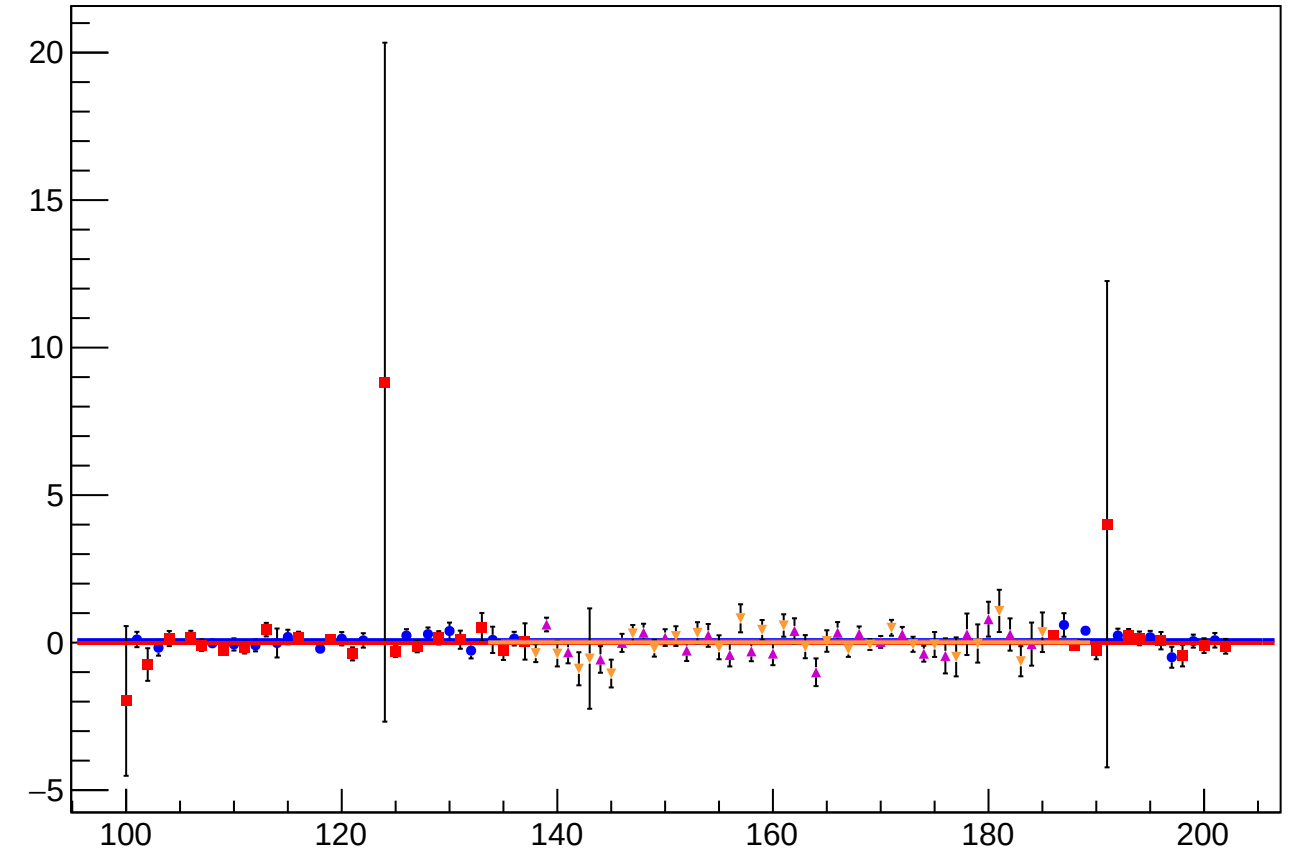
Right: -0.000+/-0.000 χ^2/NDF: 50.6/51

In: 0.000+/-0.000 χ^2/NDF:40.6/45

Out: 0.000+/-0.000 χ^2/NDF:58.0/53

All: 0.000+/-0.000 χ^2/NDF: 98.7/99


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
Right In: 0.000+/-0.000 χ²/NDF: 3093650.0/22
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5500273.4/28
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: 8633480.0/51
In: 0.000+/-0.000 χ²/NDF:5546732.8/45
Out: 0.000+/-0.000 χ²/NDF:9745255.7/53
All: 0.000+/-0.000 χ²/NDF: 15508122.6/99



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

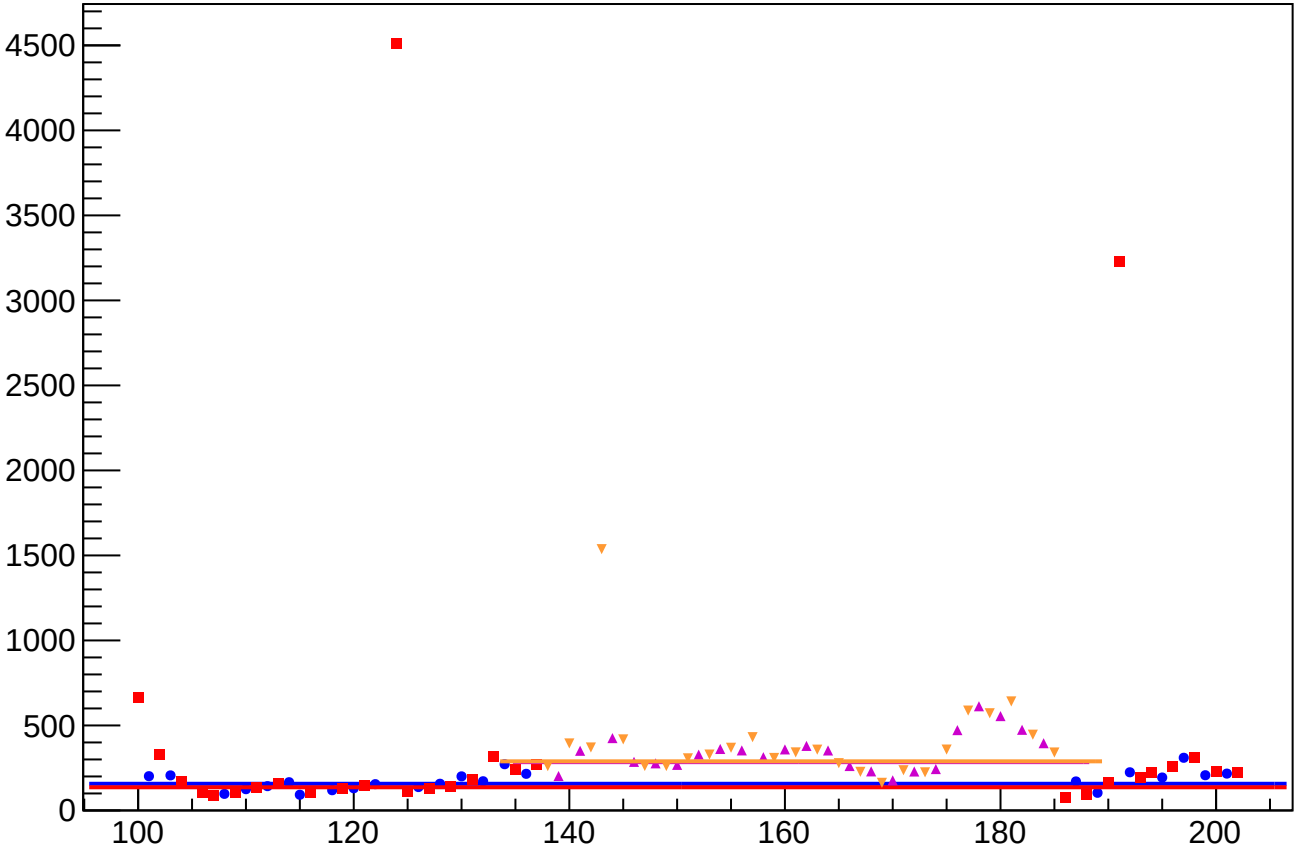
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

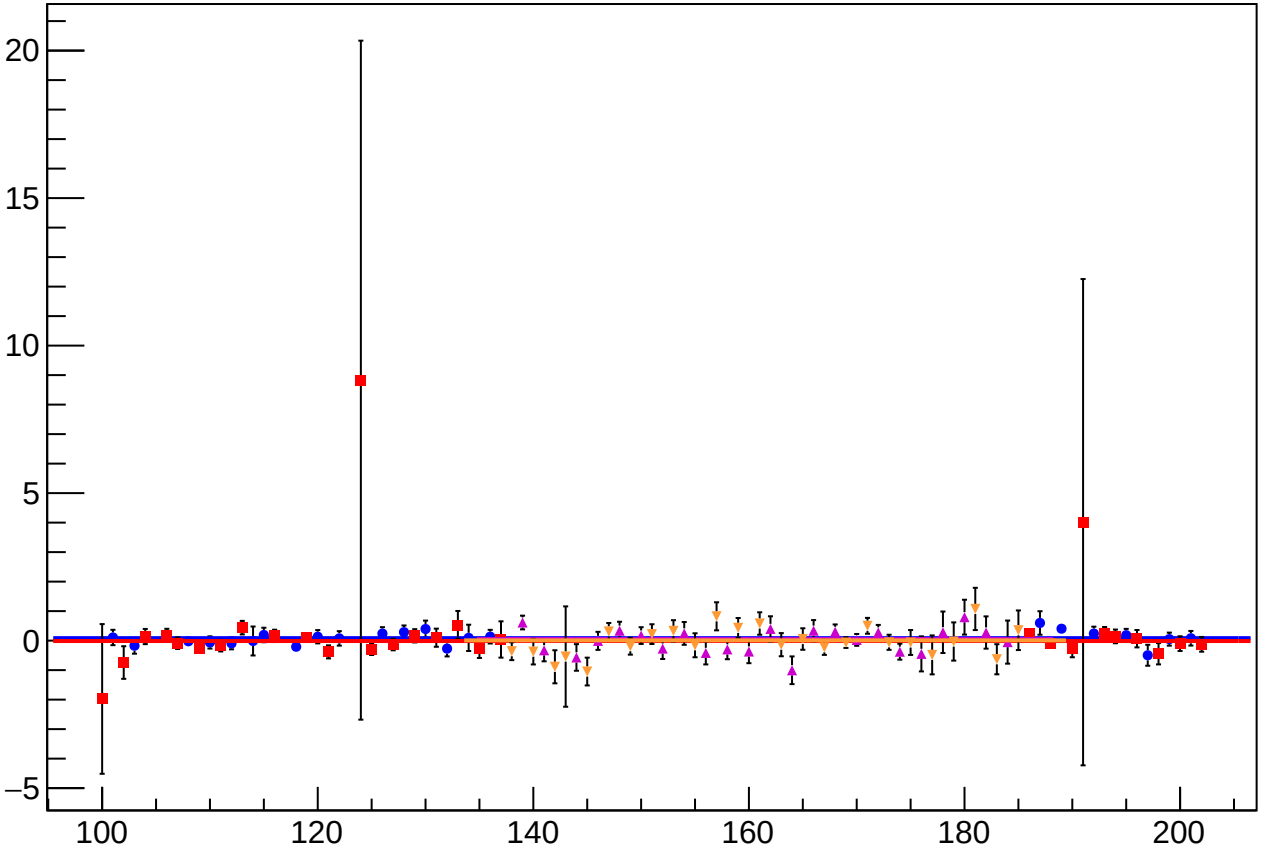
Right: 144.991+/-0.022 χ^2/NDF: 6866644.5/51

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

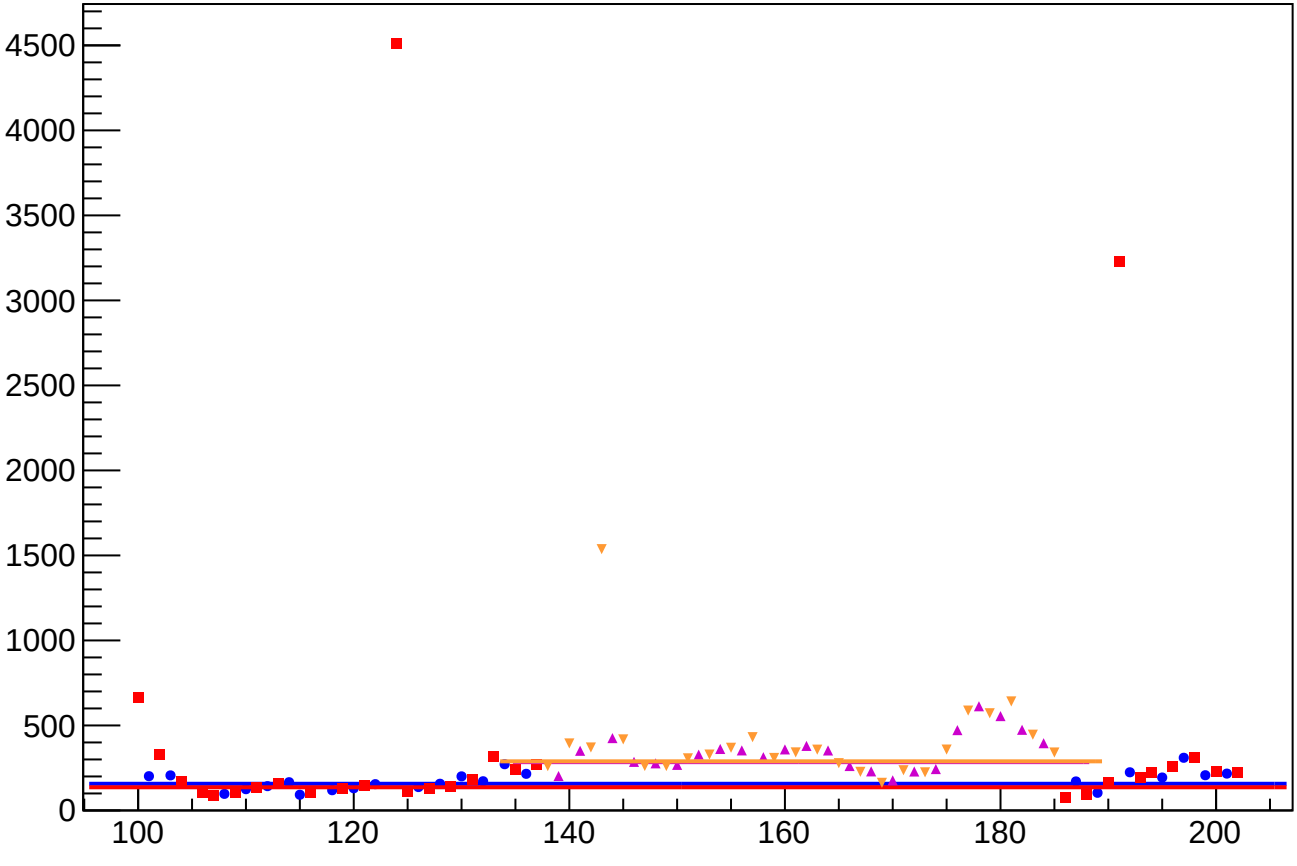
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

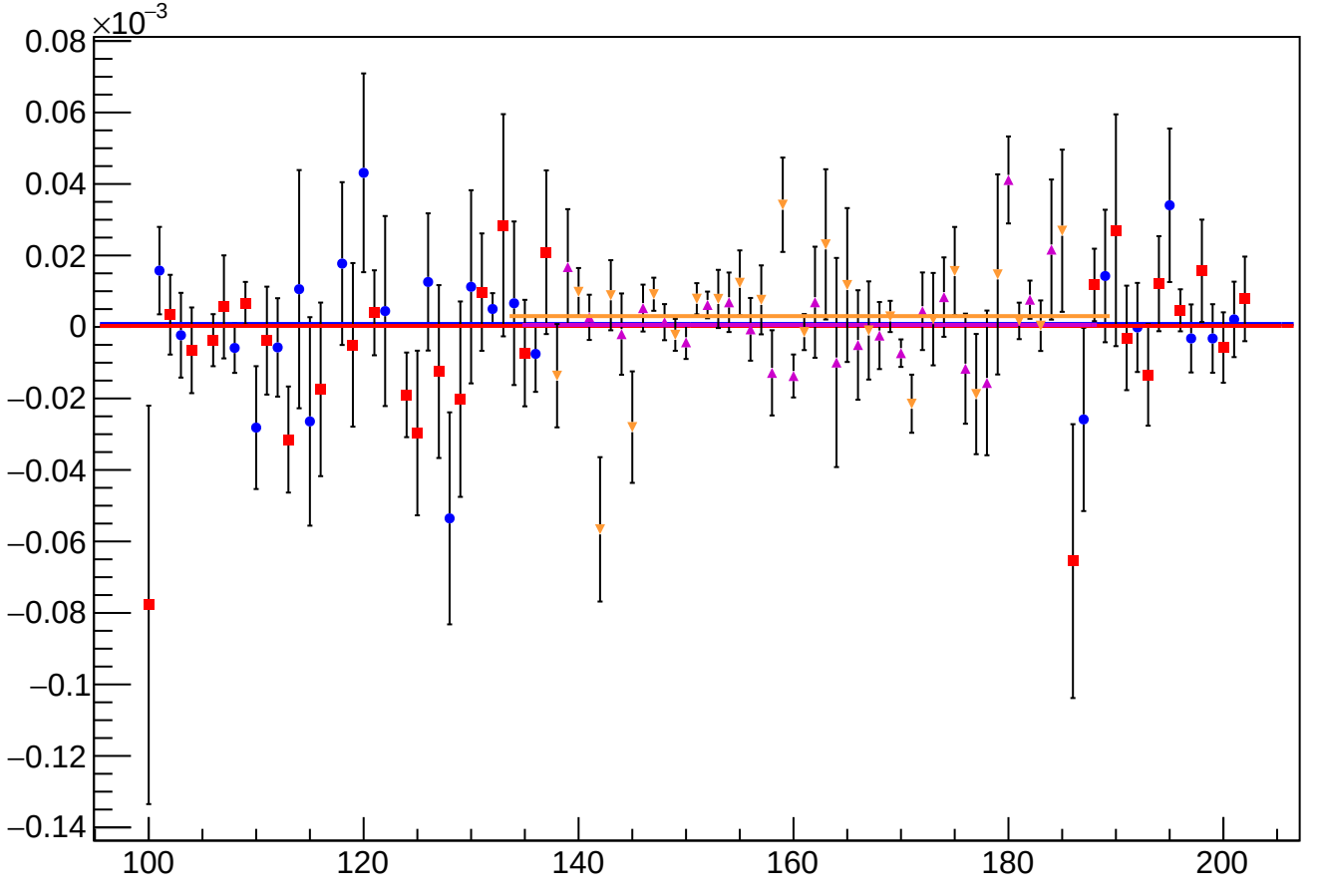
Right: 144.991+/-0.022 χ^2/NDF: 6866644.5/51

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

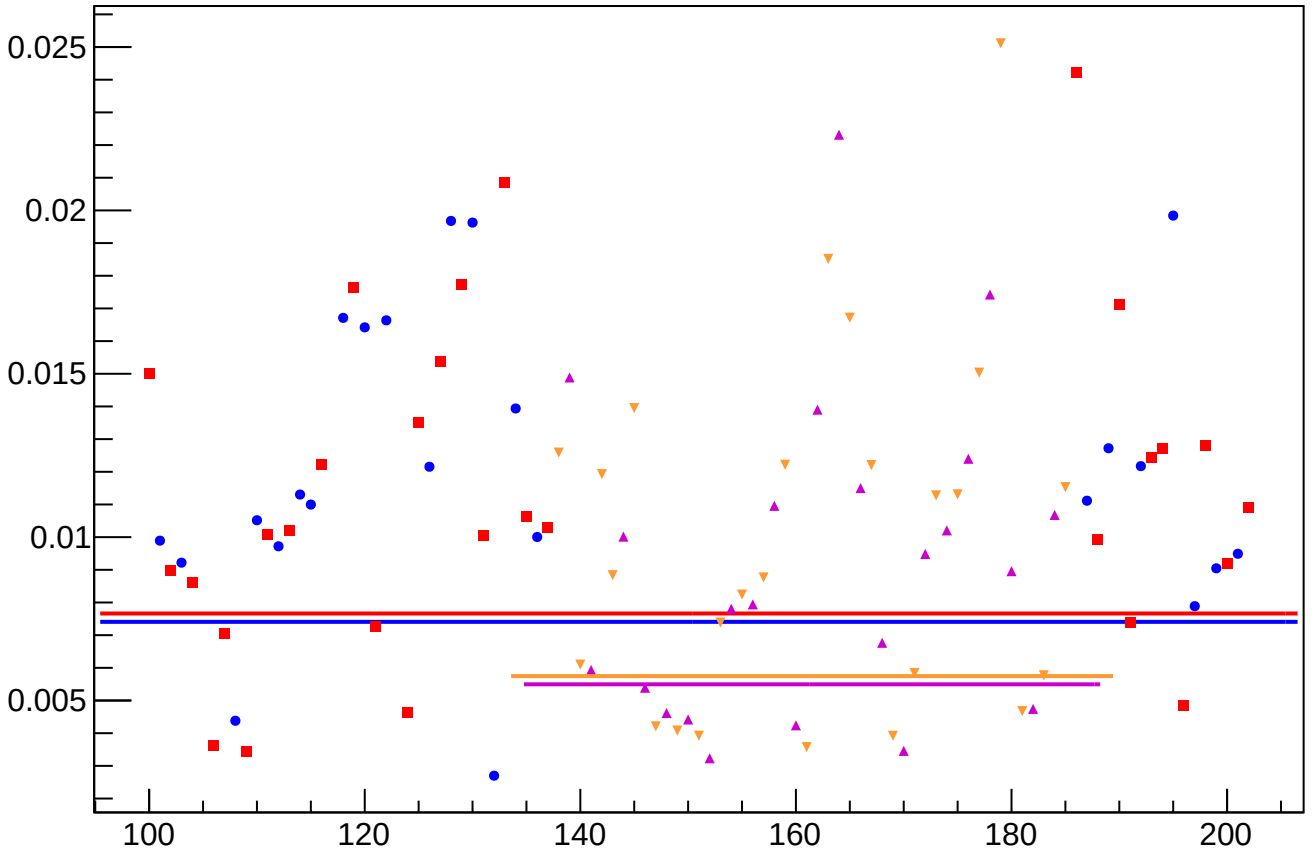
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 45.2/51

In: 0.000+/-0.000 χ^2/NDF:52.4/45

Out: 0.000+/-0.000 χ^2/NDF:69.1/53

All: 0.000+/-0.000 χ^2/NDF: 122.3/99



Right In: 0.007+/-0.000 χ^2/NDF: 6200078.3/22

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5592055.6/28

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

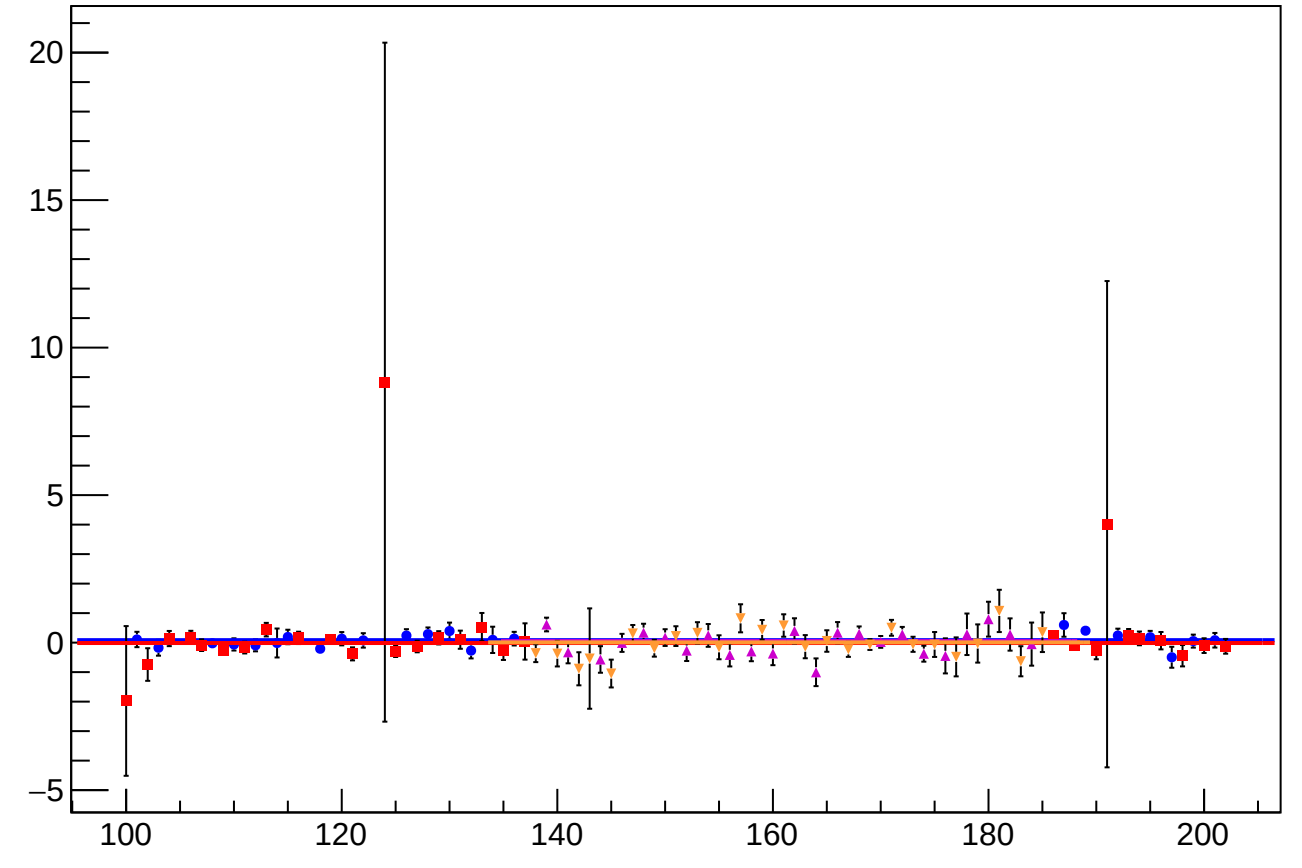
Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

Right: 0.008+/-0.000 χ^2/NDF: 11803453.9/51

In: 0.006+/-0.000 χ^2/NDF:13995347.0/45

Out: 0.006+/-0.000 χ^2/NDF:14682246.1/53

All: 0.006+/-0.000 χ^2/NDF: 28738747.4/99



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

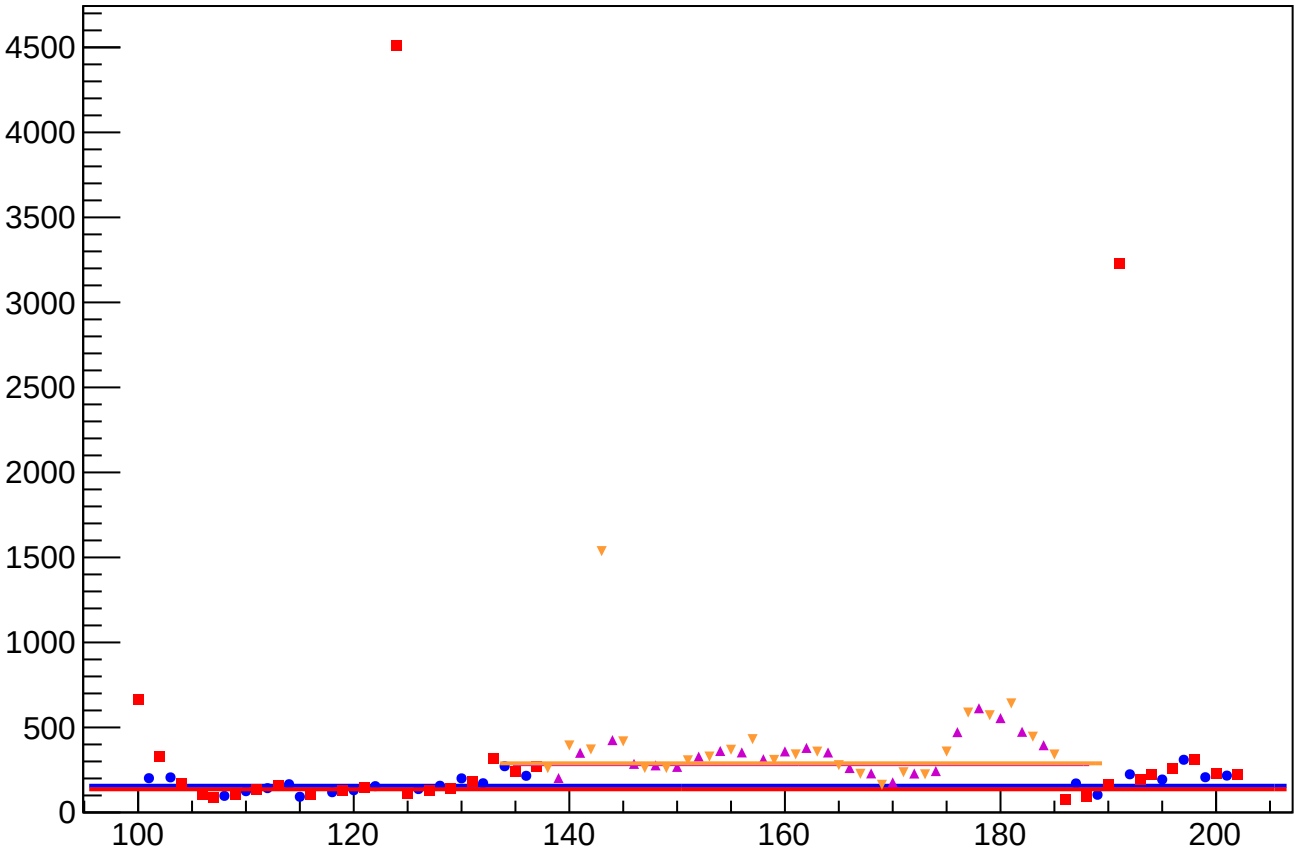
Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

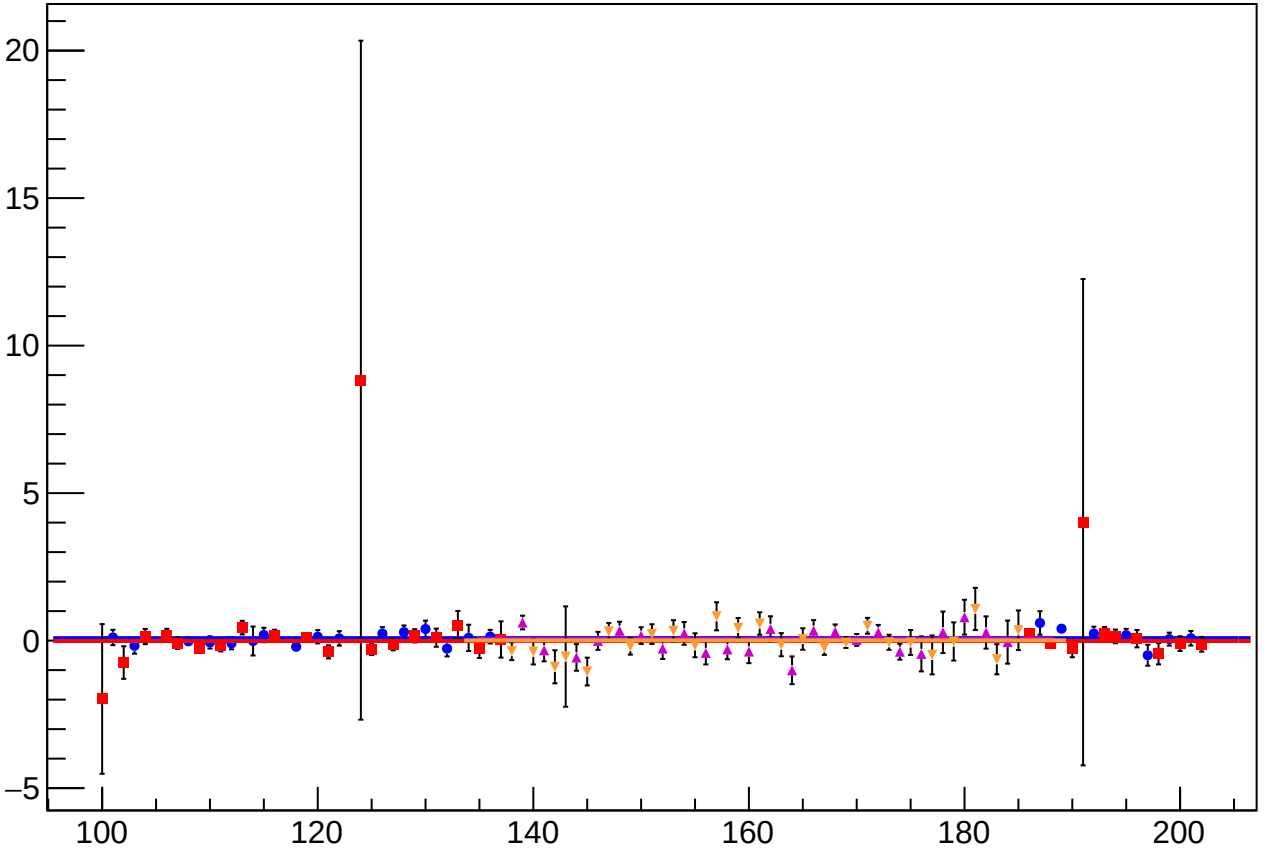
Right: 144.992+/-0.022 χ^2/NDF: 6866399.6/51

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

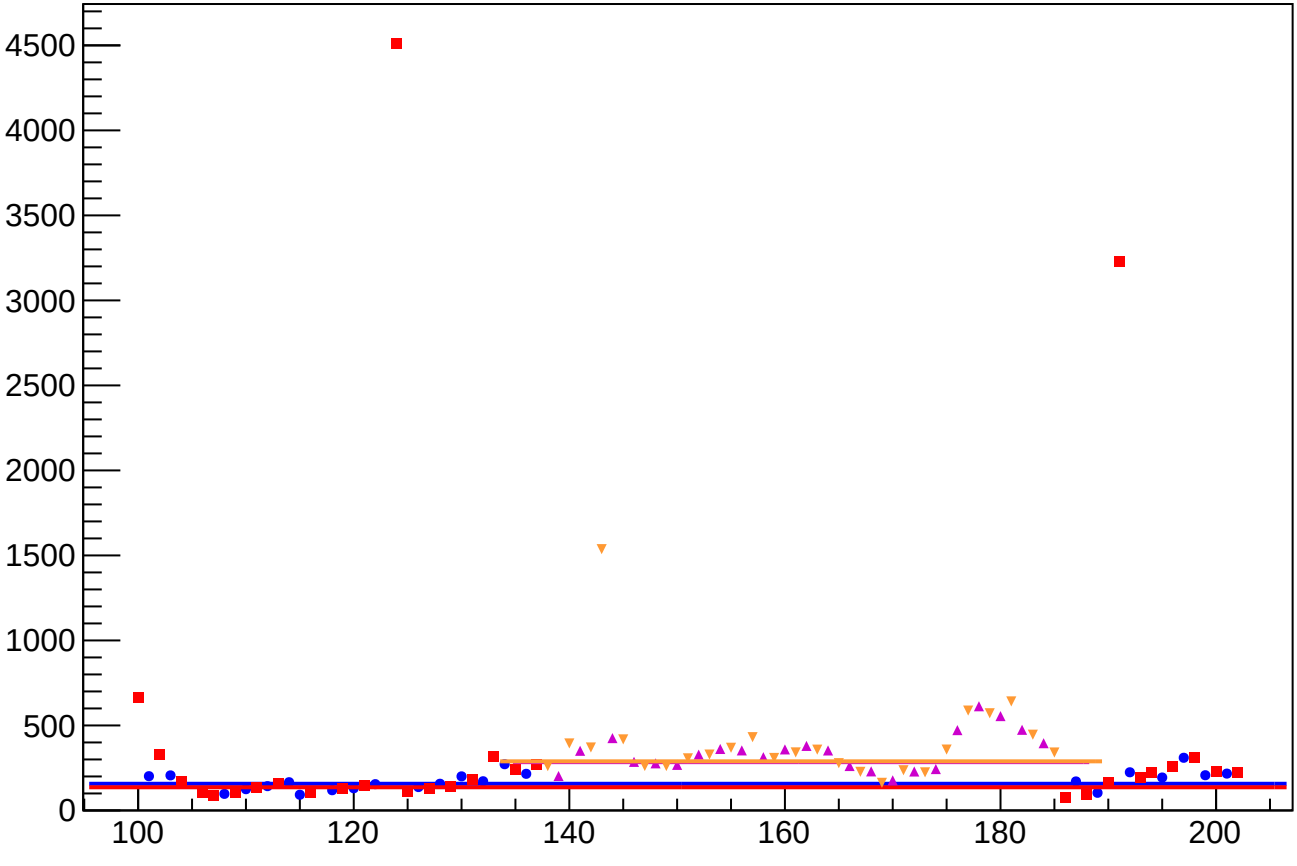
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

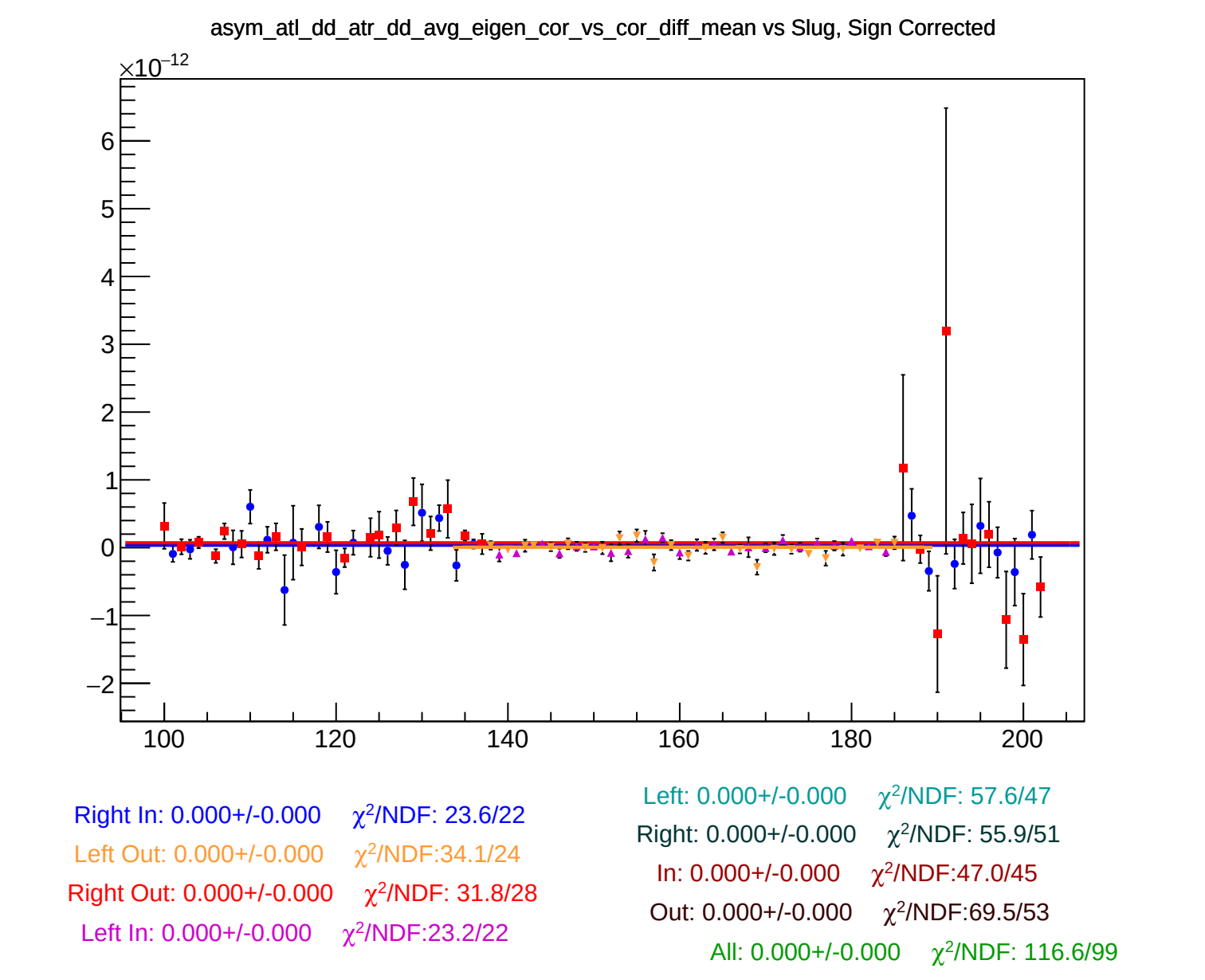
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 144.992+/-0.022 χ^2/NDF: 6866399.6/51

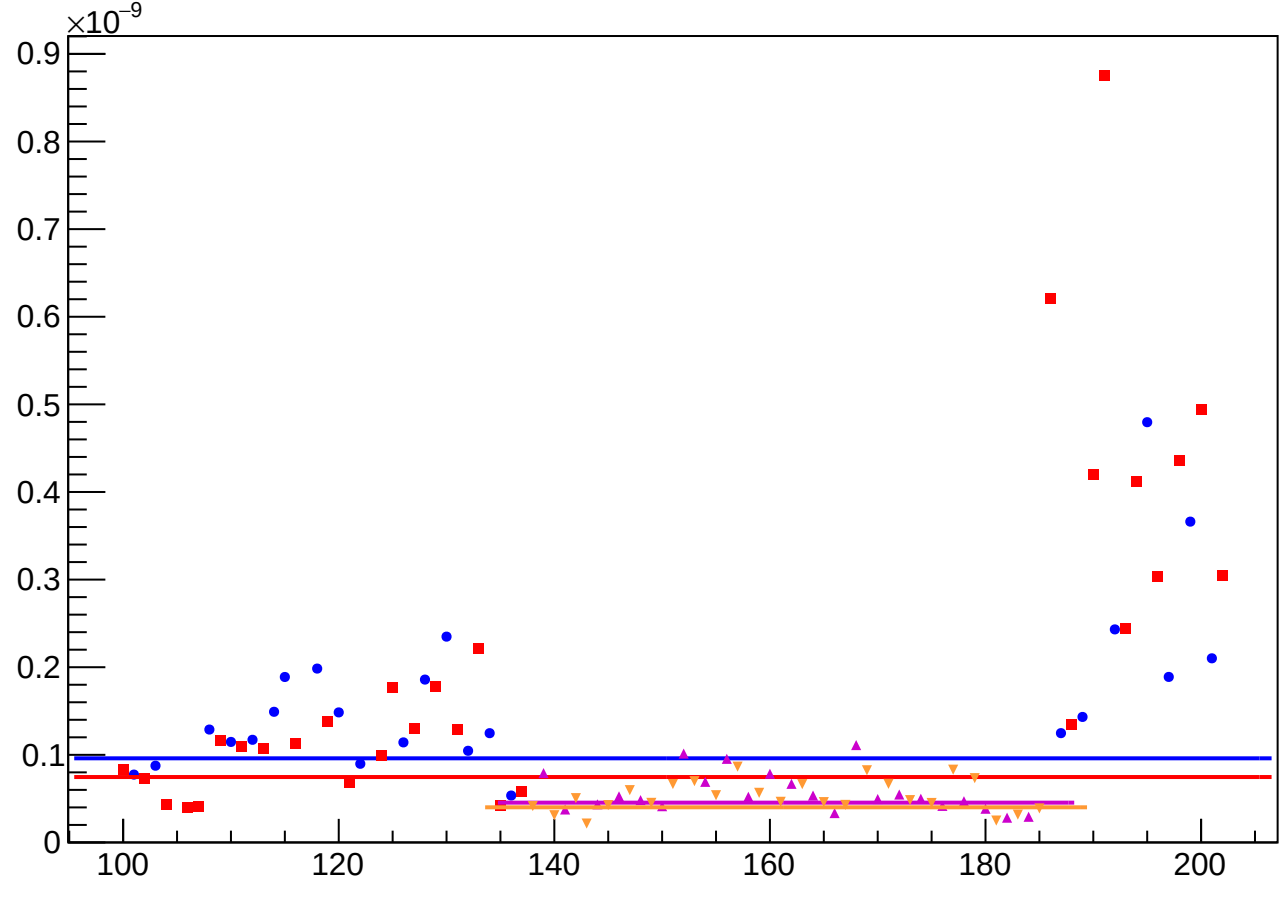
In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.6/22
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.8/28
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 55.9/51
In: 0.000+/-0.000 χ²/NDF:47.0/45
Out: 0.000+/-0.000 χ²/NDF:69.5/53
All: 0.000+/-0.000 χ²/NDF: 116.6/99

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: 3586986.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6578873.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

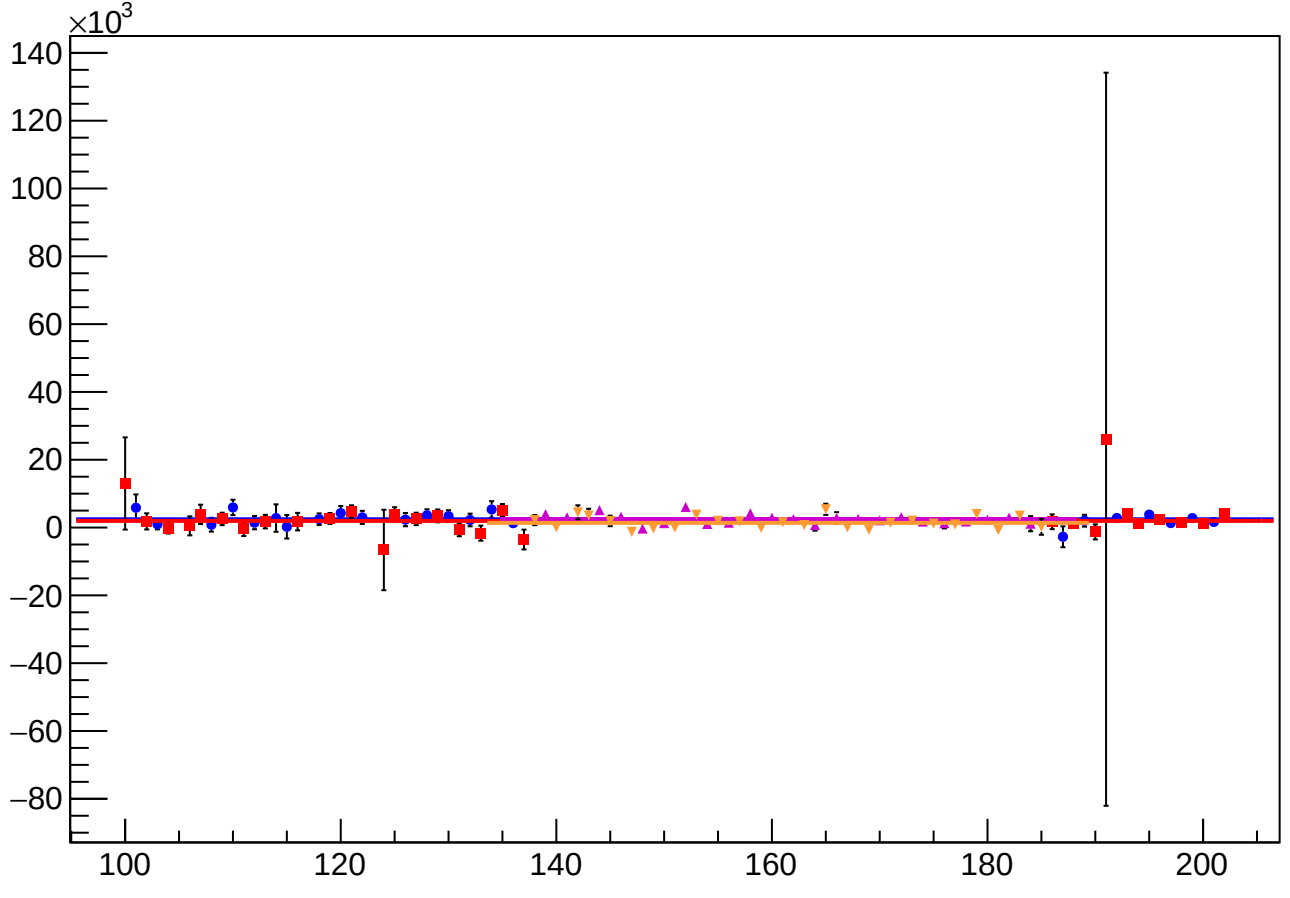
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10492801.4/51

In: 0.000+/-0.000 χ^2/NDF:9108777.8/45

Out: 0.000+/-0.000 χ^2/NDF:12087690.0/53

All: 0.000+/-0.000 χ^2/NDF: 21453990.6/99



Right In: 2441.101+/-375.575 χ^2/NDF: 14.0/22

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1968.719+/-352.492 χ^2/NDF: 28.0/28

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

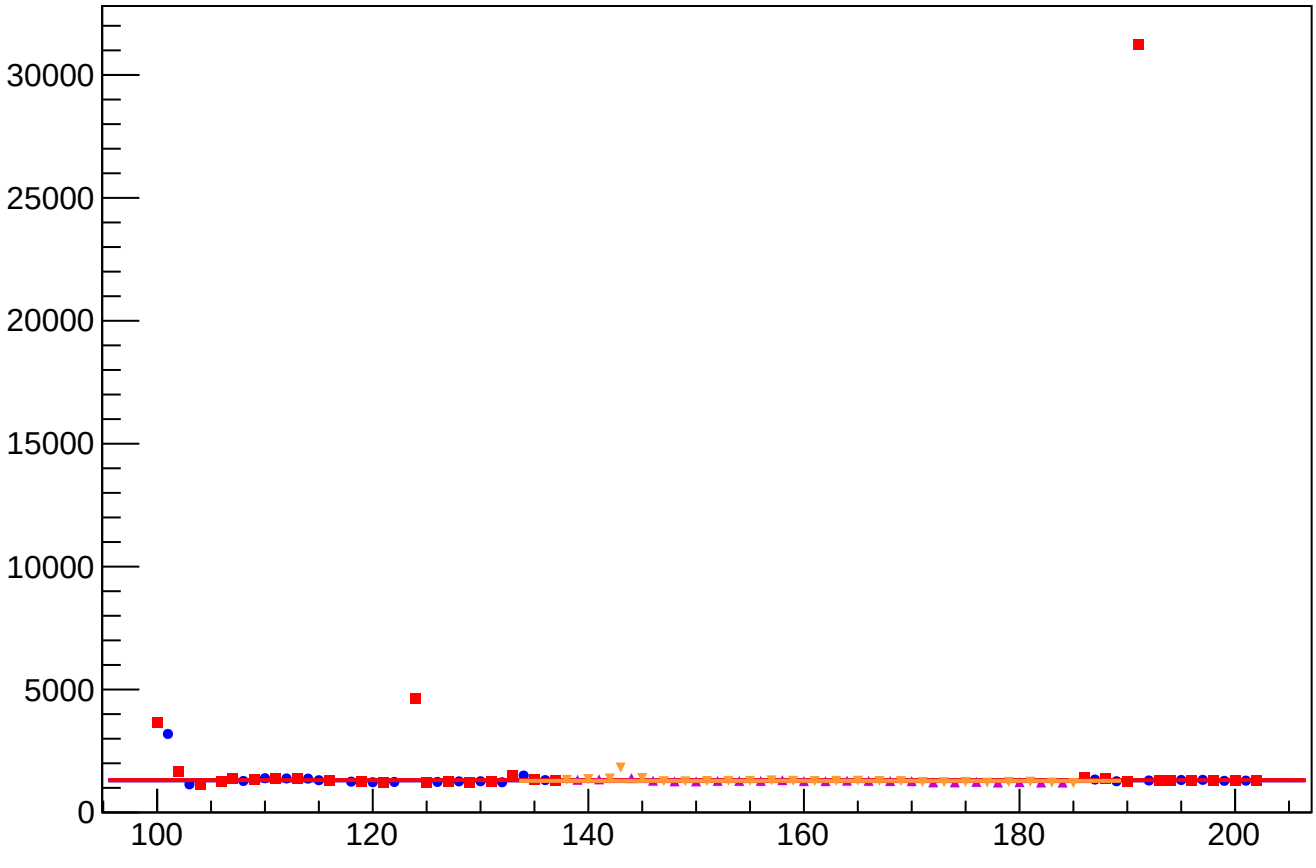
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2189.948+/-257.023 χ^2/NDF: 42.8/51

In: 2489.117+/-233.489 χ^2/NDF:36.5/45

Out: 1622.265+/-225.221 χ^2/NDF:62.5/53

All: 2040.071+/-162.099 χ^2/NDF: 106.1/99



Right In: 1304.947+/-0.266 χ^2/NDF: 518512.8/22

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1314.867+/-0.249 χ^2/NDF: 489922.0/28

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

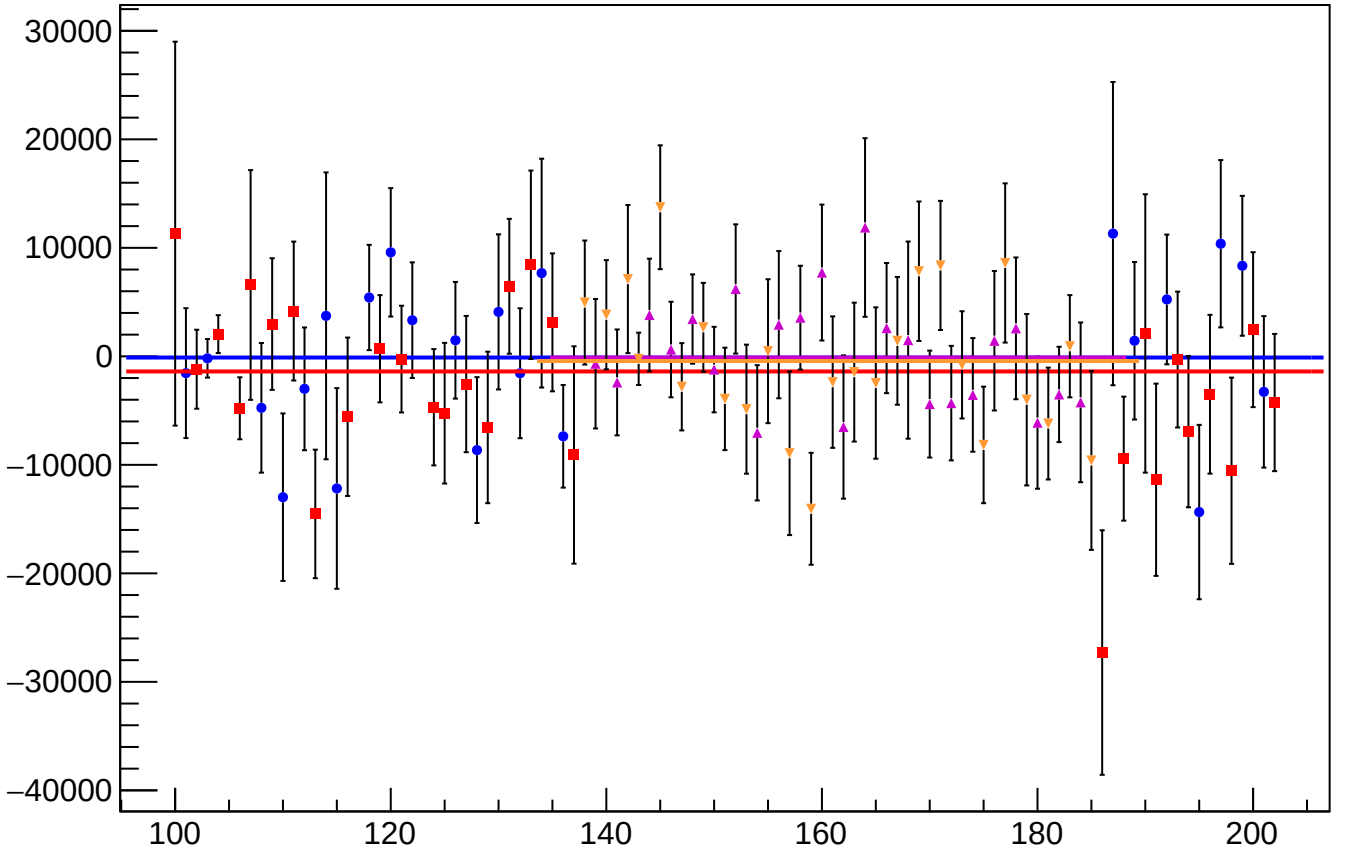
Right: 1310.228+/-0.182 χ^2/NDF: 1009177.6/51

In: 1287.151+/-0.165 χ^2/NDF:567230.9/45

Out: 1297.596+/-0.159 χ^2/NDF:689094.1/53

All: 1292.565+/-0.115 χ^2/NDF: 1258399.3/99

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -109.466+/-1096.480 χ^2/NDF: 23.3/22

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1392.949+/-963.144 χ^2/NDF: 29.4/28

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

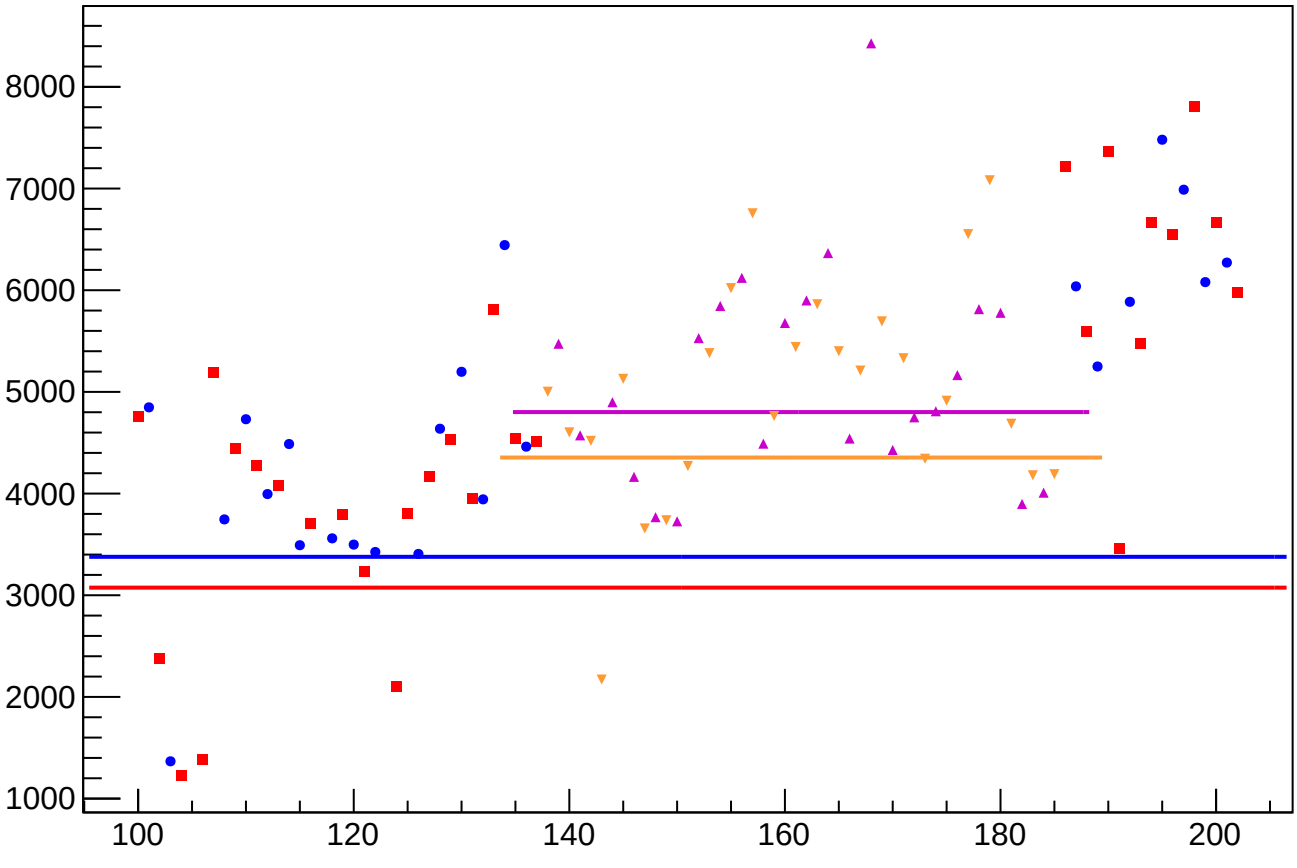
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -833.951+/-723.621 χ^2/NDF: 53.5/51

In: -114.188+/-791.825 χ^2/NDF:36.9/45

Out: -946.782+/-706.040 χ^2/NDF:59.7/53

All: -578.014+/-526.975 χ^2/NDF: 97.2/99



Right In: 3377.949+/-0.775 χ^2/NDF: 5502691.9/22

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3074.891+/-0.681 χ^2/NDF: 7719997.1/28

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

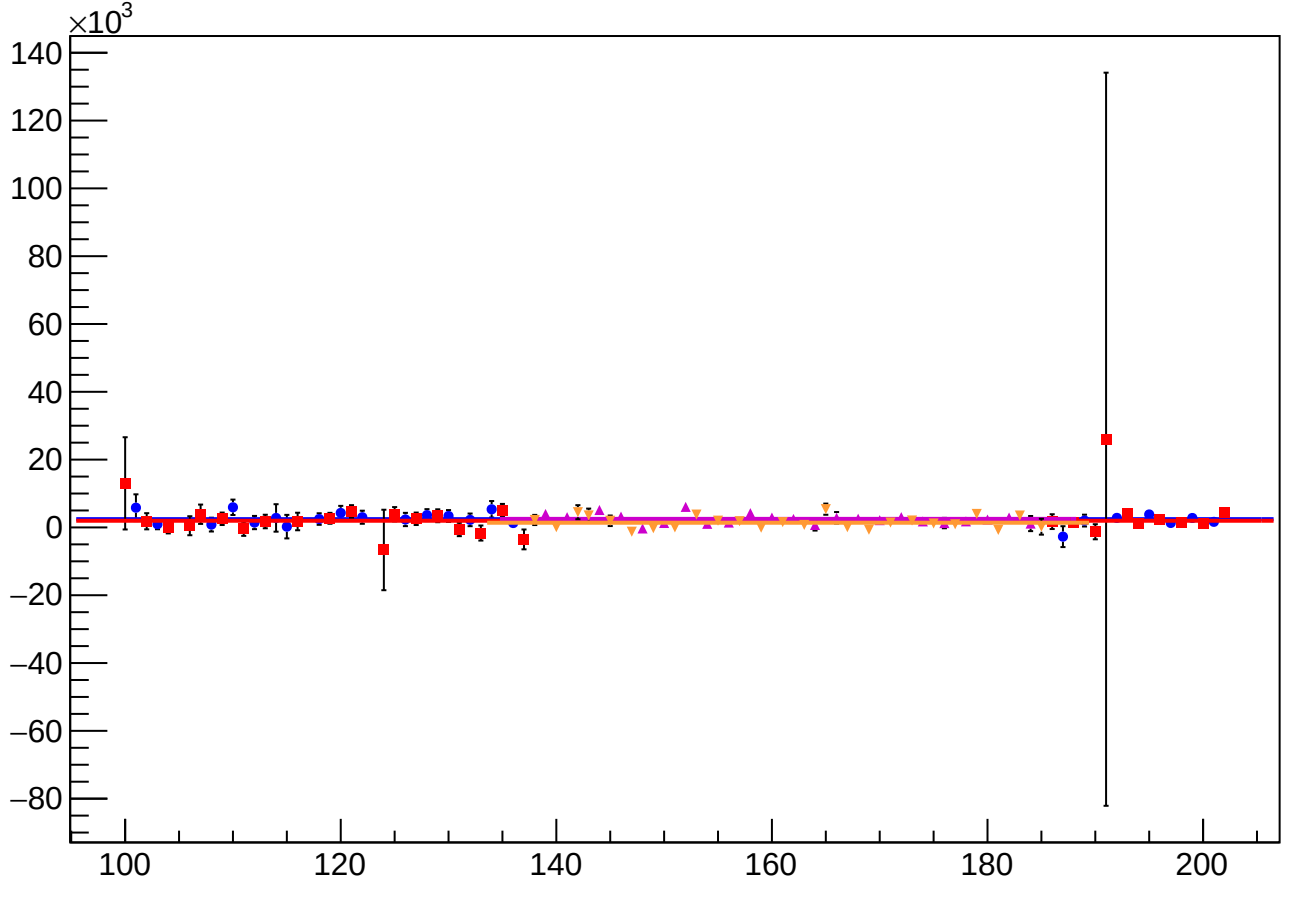
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3206.882+/-0.512 χ^2/NDF: 13308931.3/51

In: 4059.148+/-0.560 χ^2/NDF:8347811.2/45

Out: 3666.885+/-0.499 χ^2/NDF:12424679.5/53

All: 3840.624+/-0.373 χ^2/NDF: 21045921.6/9



Right In: 2441.004+/-375.575 χ^2/NDF: 14.0/22

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1968.582+/-352.492 χ^2/NDF: 28.0/28

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

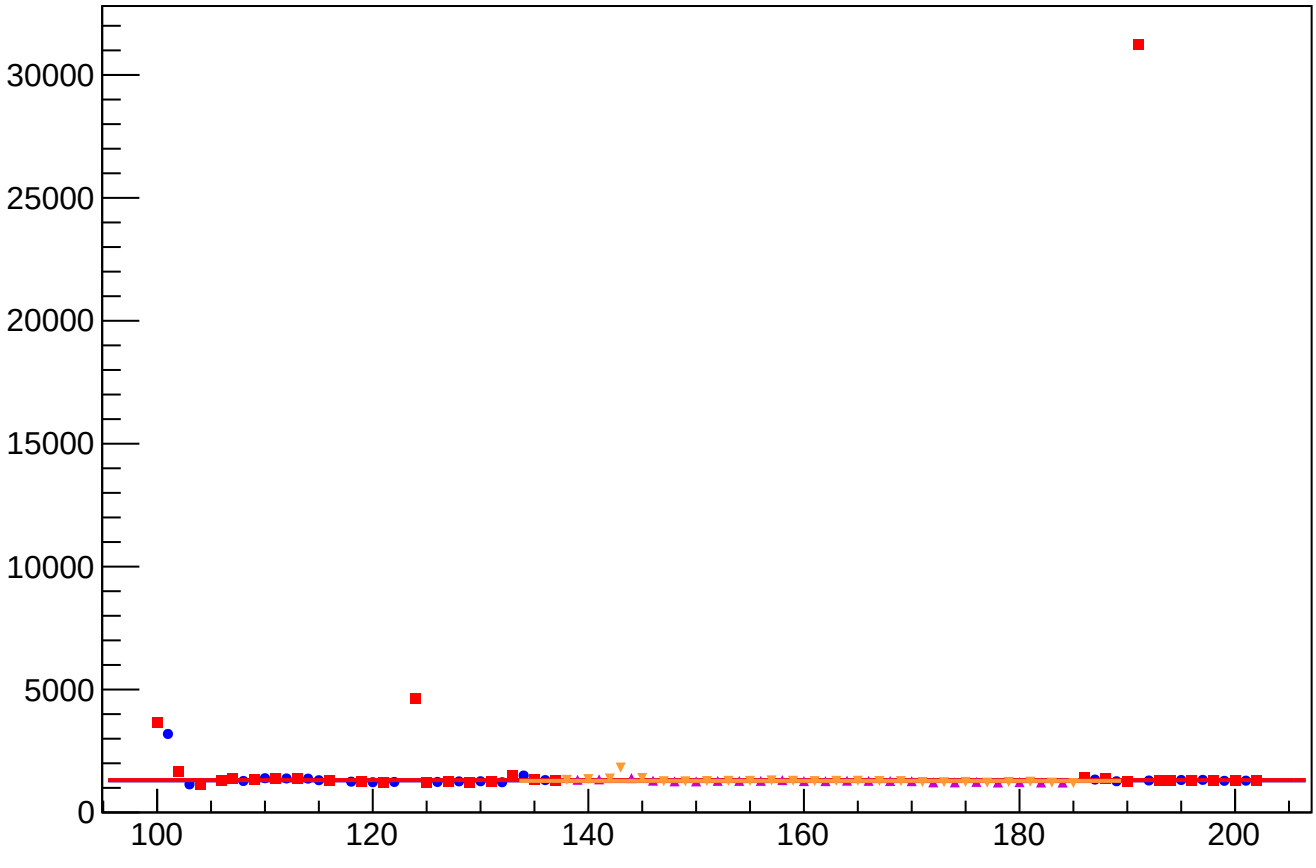
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2189.829+/-257.023 χ^2/NDF: 42.8/51

In: 2489.080+/-233.489 χ^2/NDF:36.5/45

Out: 1622.170+/-225.221 χ^2/NDF:62.5/53

All: 2040.004+/-162.099 χ^2/NDF: 106.1/99



Right In: 1304.947+/-0.266 χ^2/NDF: 518514.4/22

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1315.440+/-0.249 χ^2/NDF: 489454.9/28

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

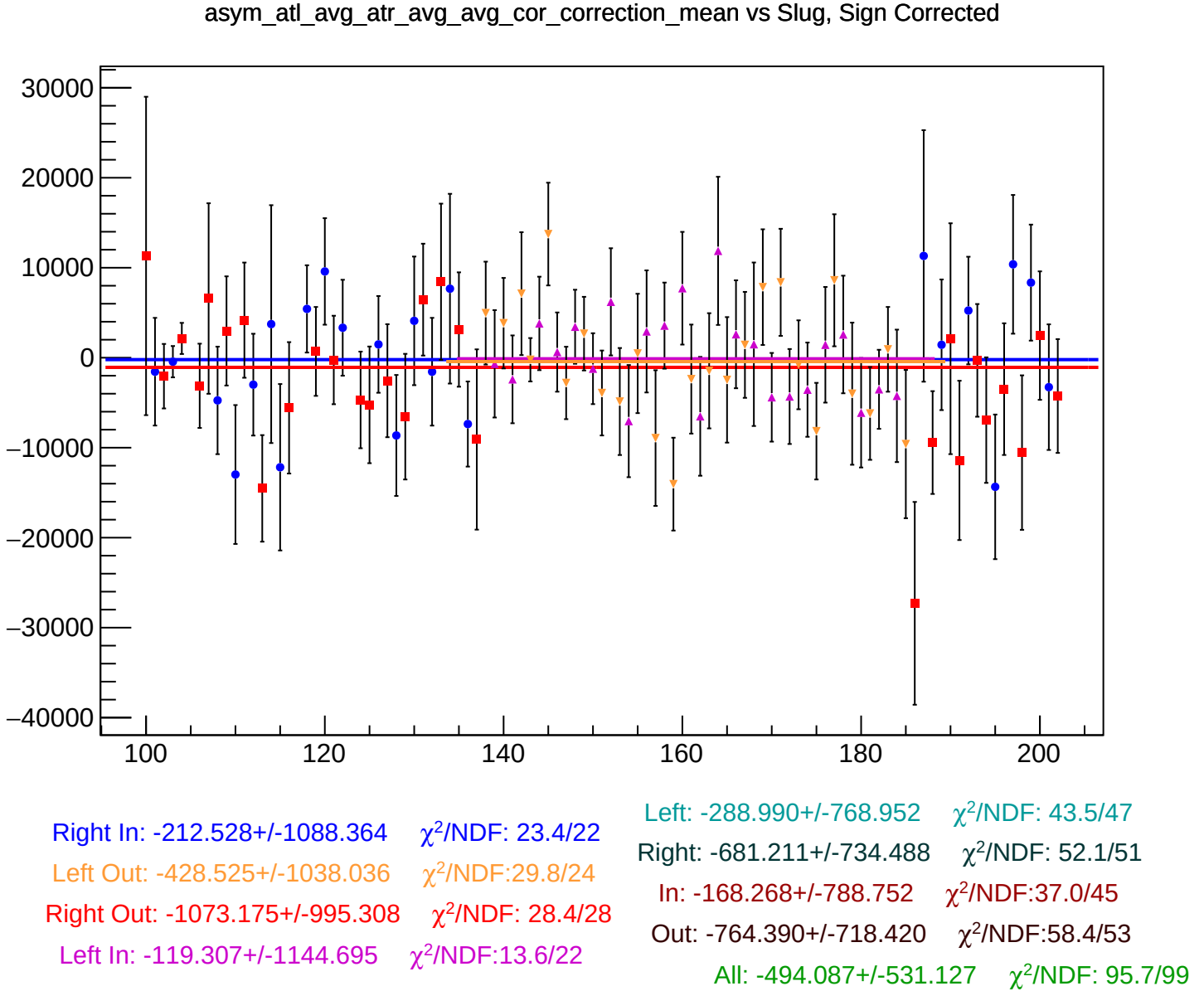
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

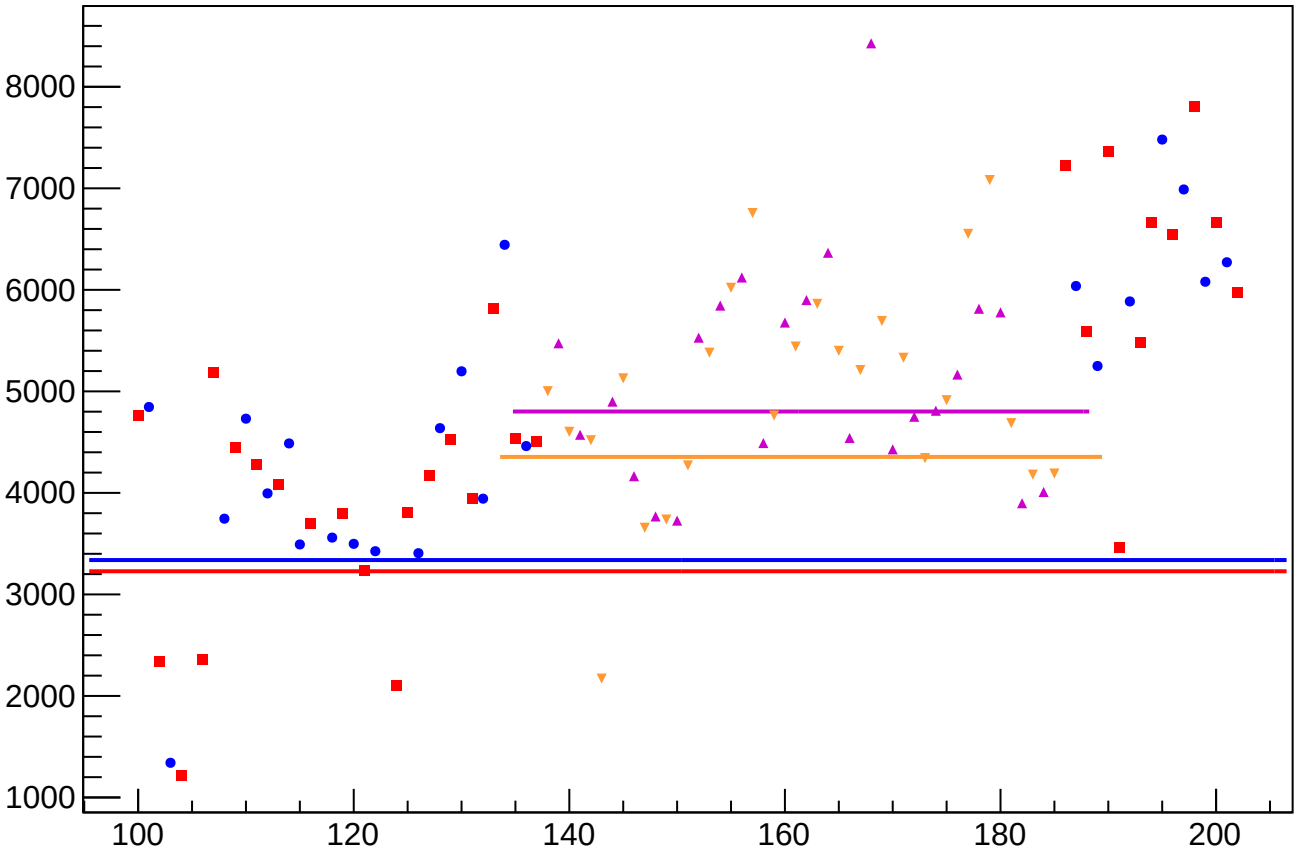
Right: 1310.531+/-0.182 χ^2/NDF: 1008800.1/51

In: 1287.151+/-0.165 χ^2/NDF:567232.3/45

Out: 1297.825+/-0.159 χ^2/NDF:688945.7/53

All: 1292.683+/-0.115 χ^2/NDF: 1258343.9/99


asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -212.528+/-1088.364 χ²/NDF: 23.4/22
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: -1073.175+/-995.308 χ²/NDF: 28.4/28
Left In: -119.307+/-1144.695 χ²/NDF:13.6/22
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: -681.211+/-734.488 χ²/NDF: 52.1/51
In: -168.268+/-788.752 χ²/NDF:37.0/45
Out: -764.390+/-718.420 χ²/NDF:58.4/53
All: -494.087+/-531.127 χ²/NDF: 95.7/99



Right In: 3338.441+/-0.770 χ^2/NDF: 5667852.6/22

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3227.959+/-0.704 χ^2/NDF: 7101885.7/28

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

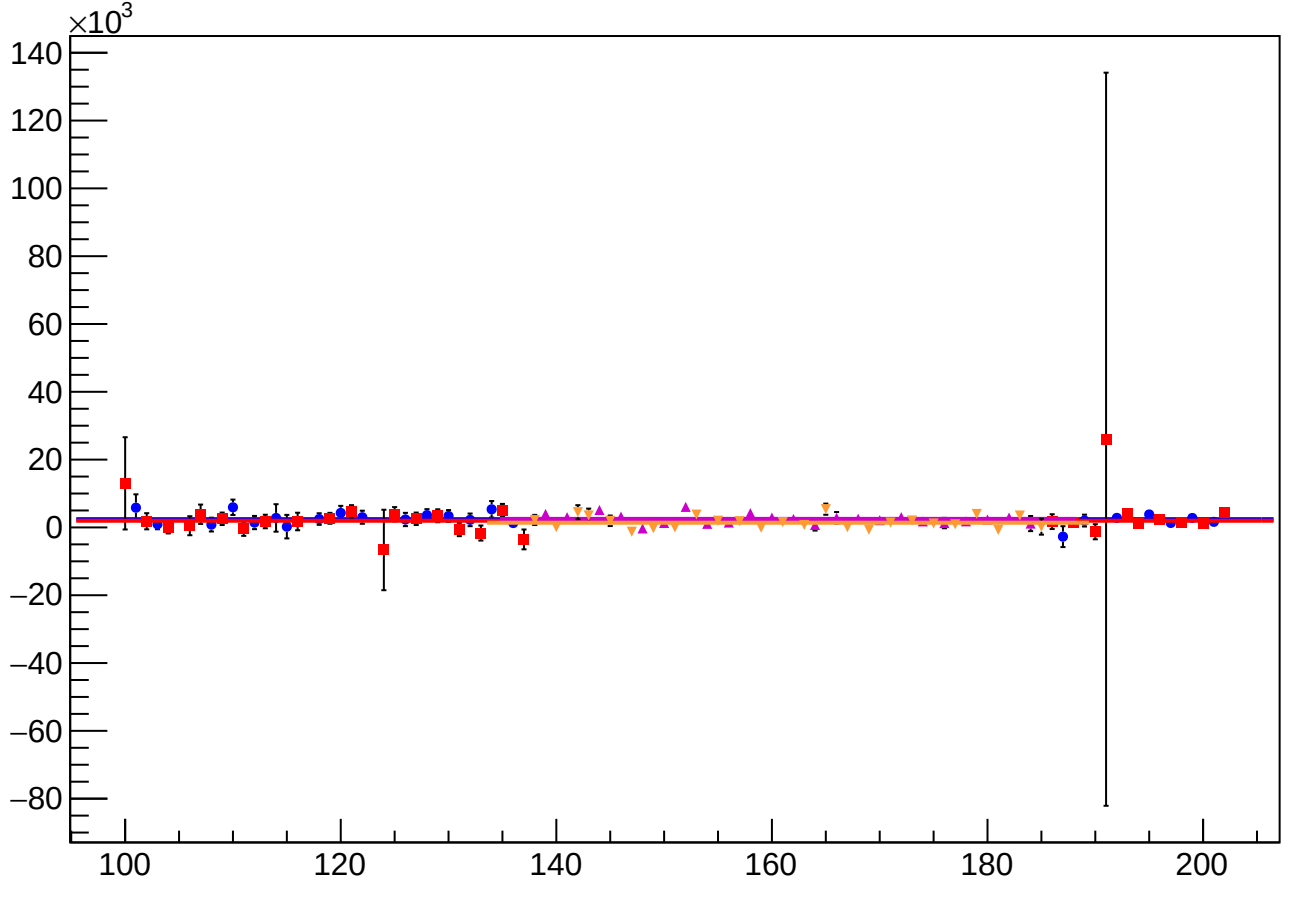
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3278.276+/-0.519 χ^2/NDF: 12780961.6/51

In: 4033.120+/-0.558 χ^2/NDF:8615871.3/45

Out: 3767.572+/-0.508 χ^2/NDF:11400709.9/53

All: 3887.981+/-0.376 χ^2/NDF: 20140482.5/9



Right In: 2441.004+/-375.575 χ^2/NDF: 14.0/22

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1968.582+/-352.492 χ^2/NDF: 28.0/28

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

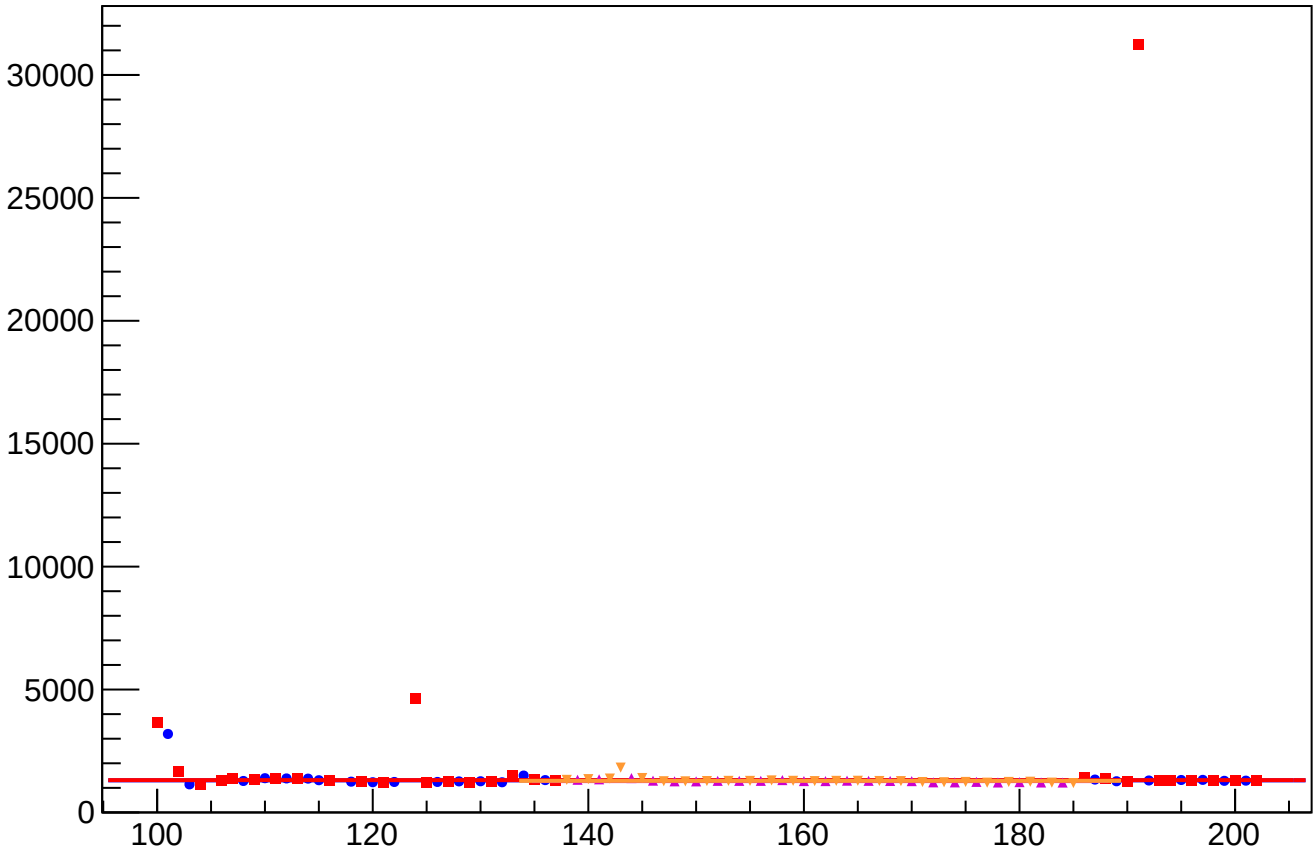
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2189.829+/-257.023 χ^2/NDF: 42.8/51

In: 2489.080+/-233.489 χ^2/NDF:36.5/45

Out: 1622.170+/-225.221 χ^2/NDF:62.5/53

All: 2040.004+/-162.099 χ^2/NDF: 106.1/99



Right In: 1304.947+/-0.266 χ^2/NDF: 518514.4/22

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1315.440+/-0.249 χ^2/NDF: 489454.9/28

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

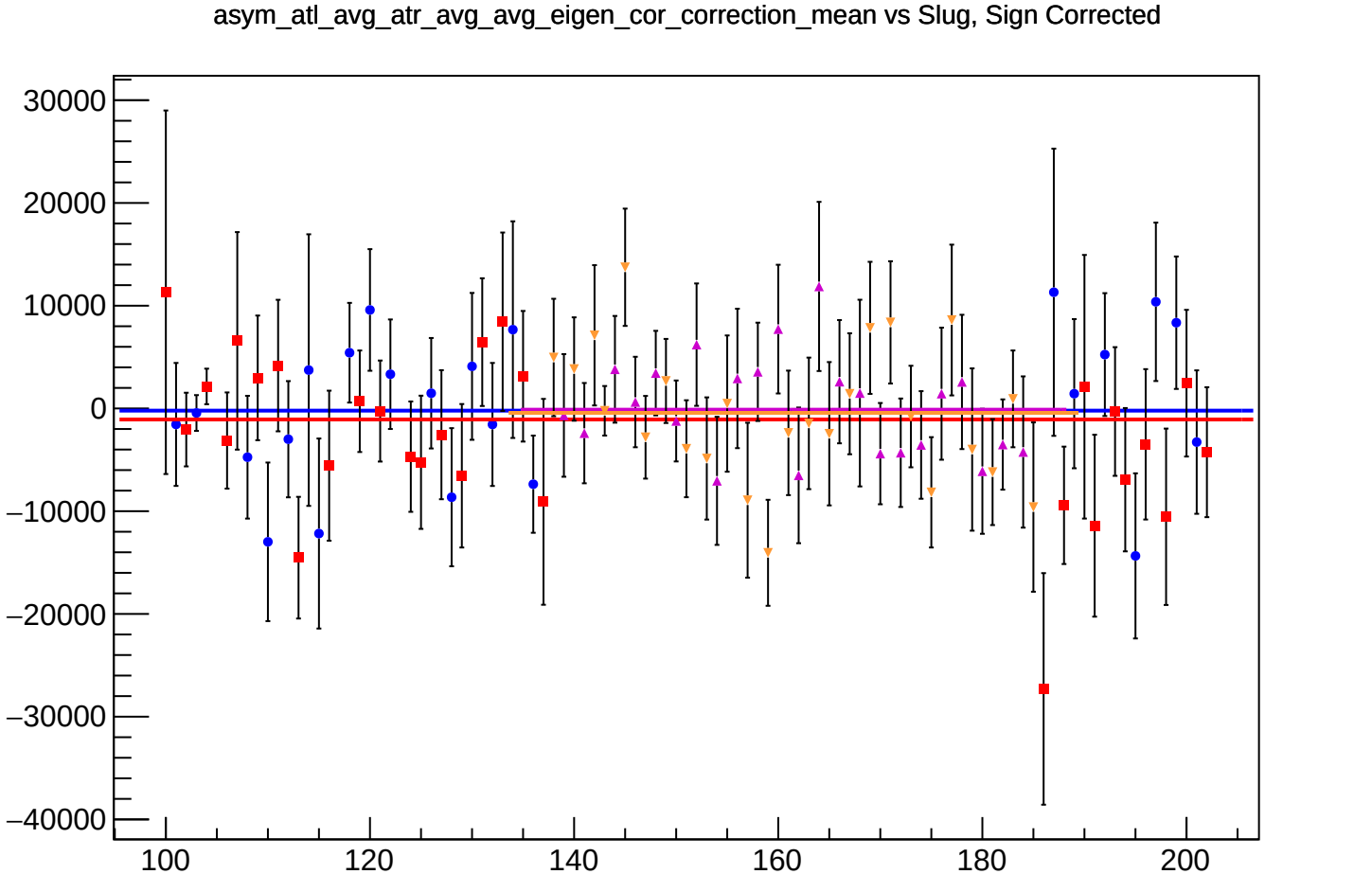
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1310.531+/-0.182 χ^2/NDF: 1008800.1/51

In: 1287.151+/-0.165 χ^2/NDF:567232.3/45

Out: 1297.825+/-0.159 χ^2/NDF:688945.7/53

All: 1292.683+/-0.115 χ^2/NDF: 1258343.9/99



Right In: -212.528+/-1088.364 χ^2/NDF: 23.4/22

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1073.175+/-995.308 χ^2/NDF: 28.4/28

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

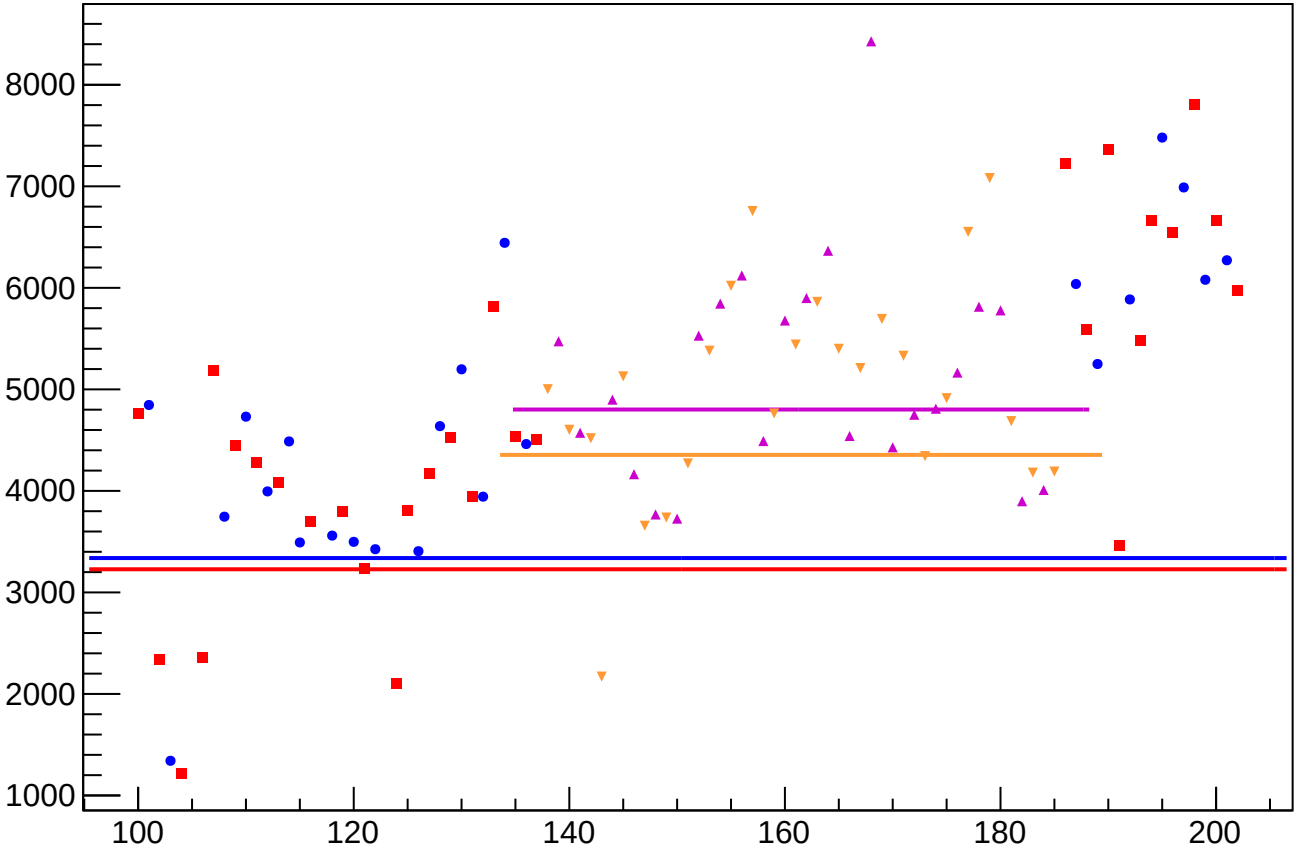
Right: -681.211+/-734.488 χ^2/NDF: 52.1/51

In: -168.268+/-788.752 χ^2/NDF:37.0/45

Out: -764.390+/-718.420 χ^2/NDF:58.4/53

All: -494.087+/-531.127 χ^2/NDF: 95.7/99

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3338.441+/-0.770 χ^2/NDF: 5667852.6/22

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3227.959+/-0.704 χ^2/NDF: 7101885.7/28

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

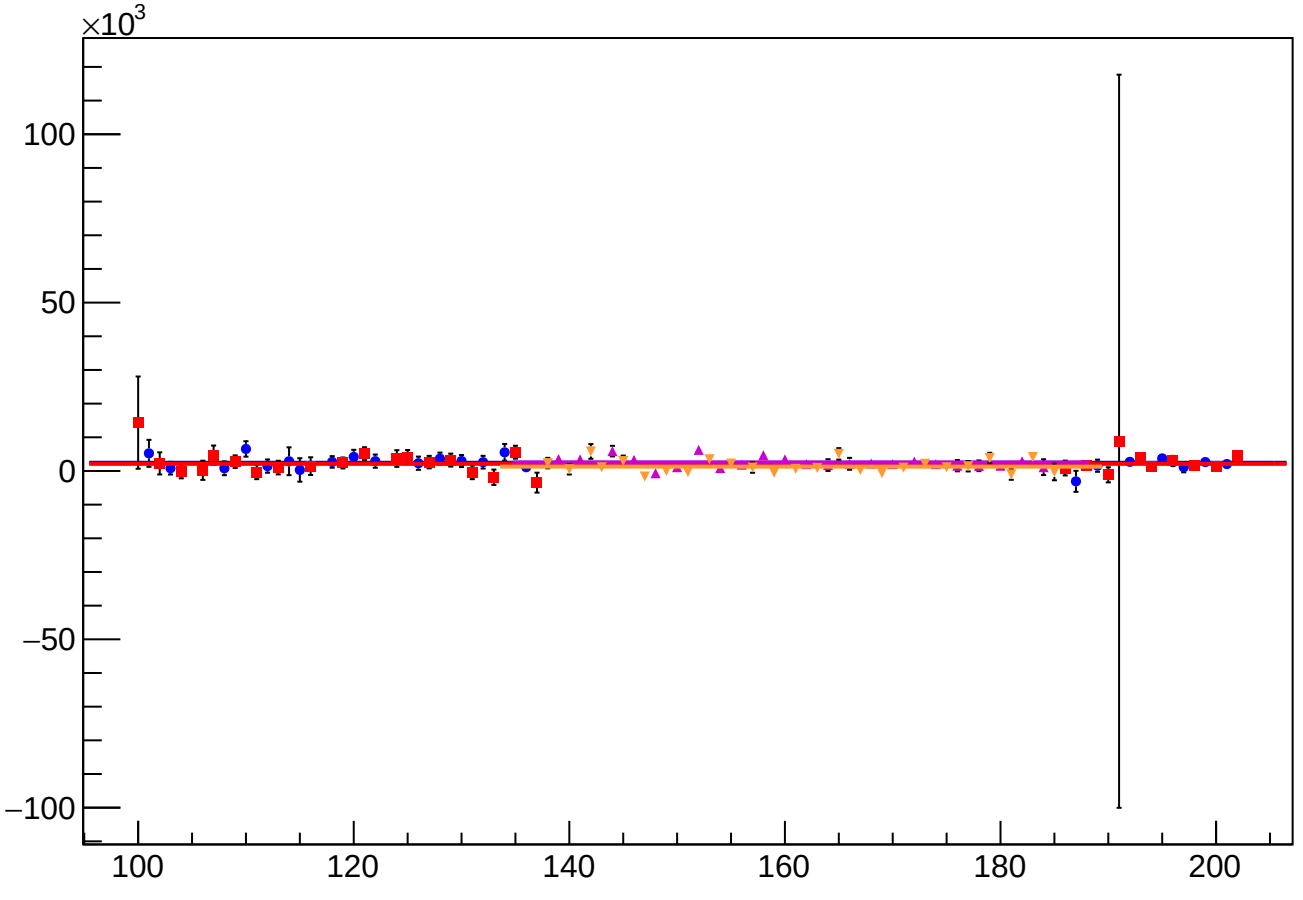
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3278.276+/-0.519 χ^2/NDF: 12780961.6/51

In: 4033.120+/-0.558 χ^2/NDF:8615871.3/45

Out: 3767.572+/-0.508 χ^2/NDF:11400709.9/53

All: 3887.981+/-0.376 χ^2/NDF: 20140482.5/9



Right In: 2437.839+/-387.078 χ^2/NDF: 14.5/22

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 2116.968+/-360.058 χ^2/NDF: 29.7/28

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

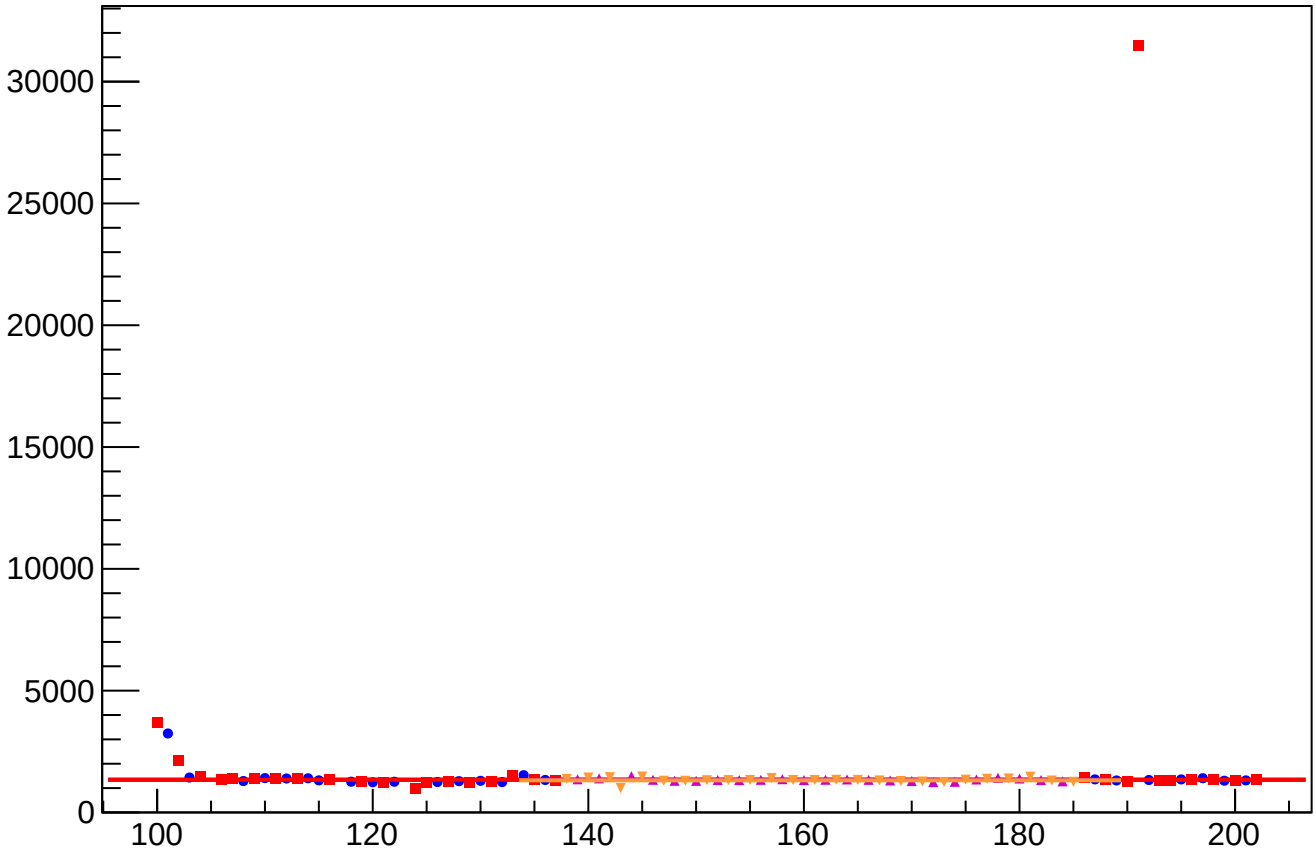
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2265.815+/-263.634 χ^2/NDF: 44.5/51

In: 2494.663+/-243.331 χ^2/NDF:39.5/45

Out: 1626.275+/-230.721 χ^2/NDF:66.2/53

All: 2037.386+/-167.425 χ^2/NDF: 112.4/99



Right In: 1344.951+/-0.274 χ^2/NDF: 500888.4/22

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1341.654+/-0.255 χ^2/NDF: 435031.9/28

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

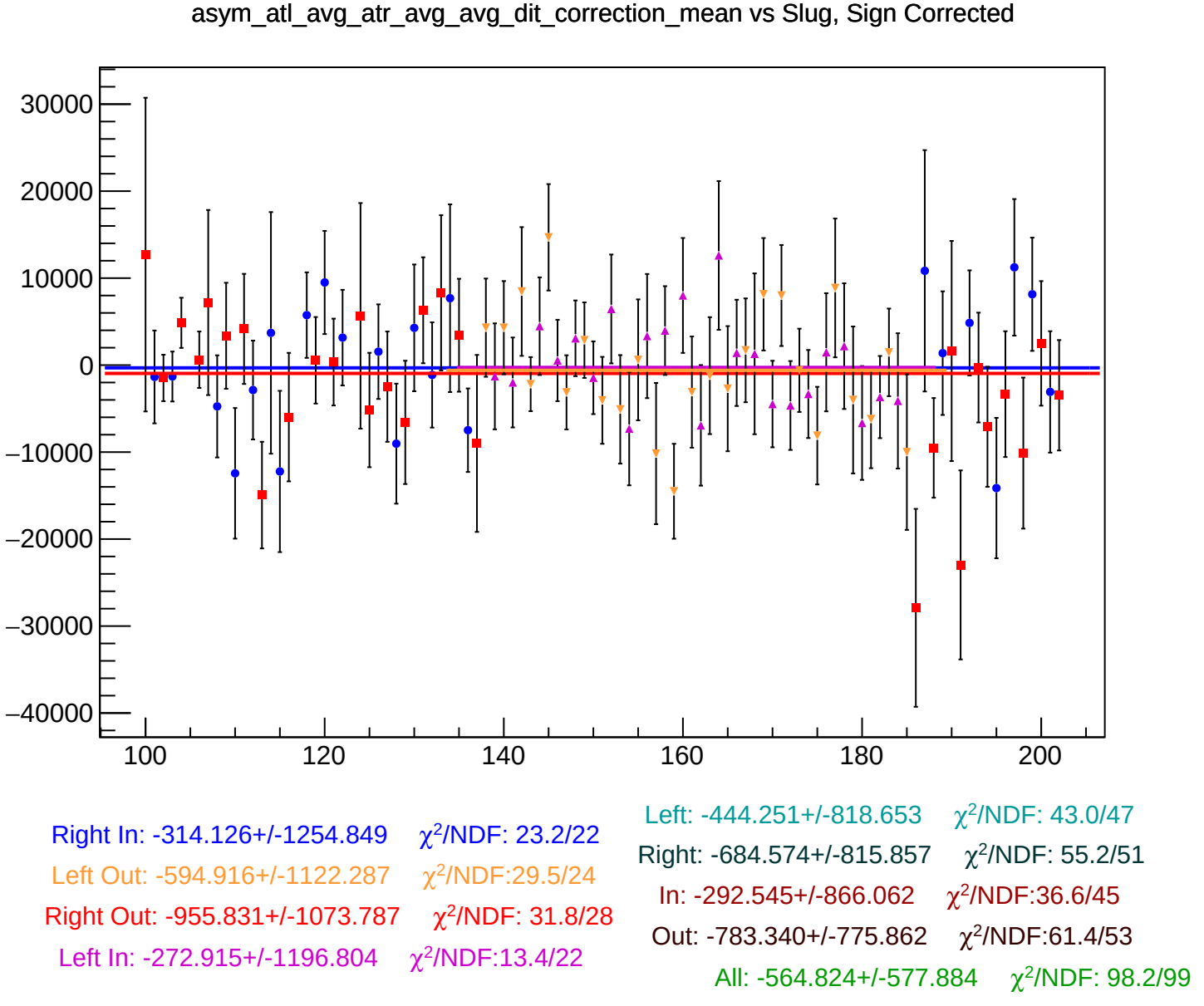
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

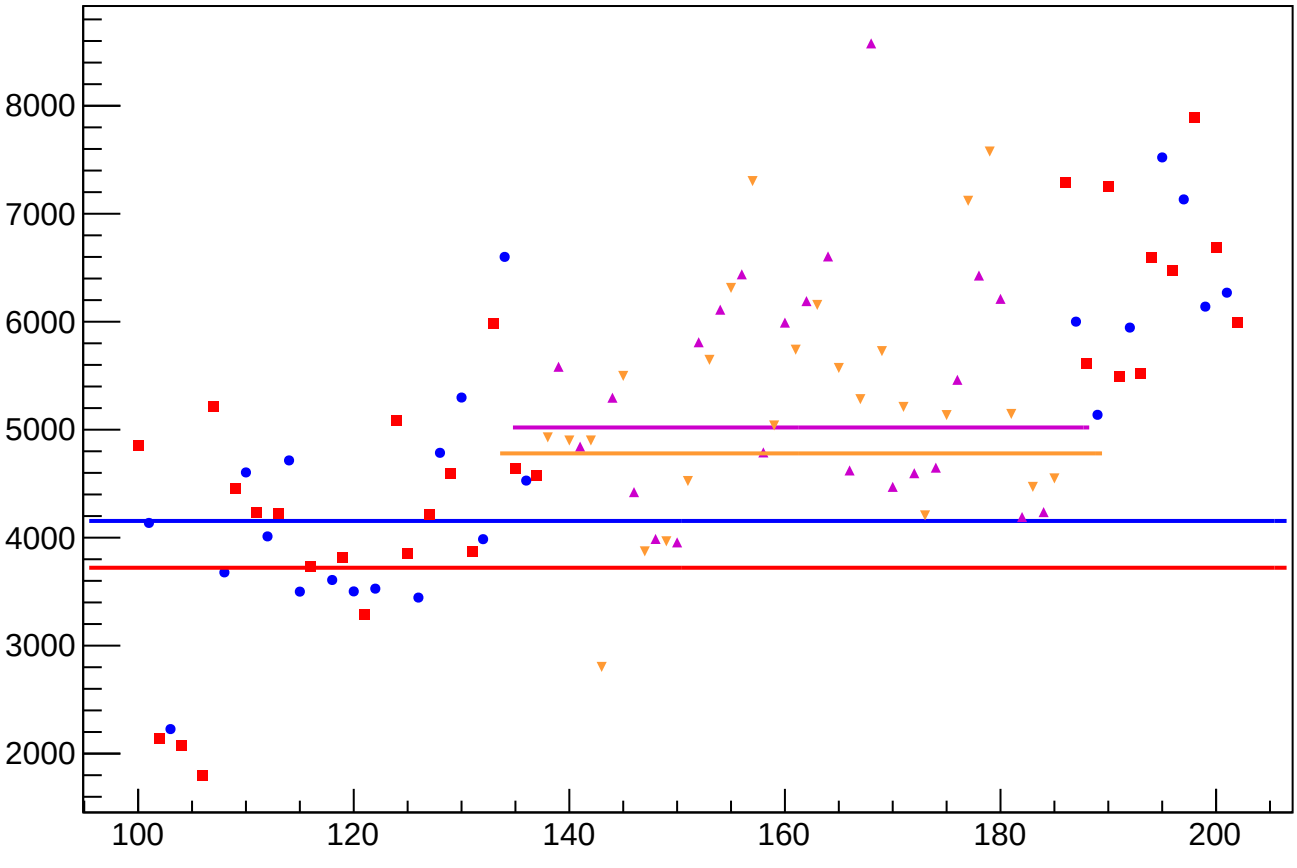
Right: 1343.183+/-0.186 χ^2/NDF: 935998.1/51

In: 1341.111+/-0.172 χ^2/NDF:555462.2/45

Out: 1327.819+/-0.163 χ^2/NDF:688594.4/53

All: 1334.111+/-0.118 χ^2/NDF: 1247199.5/99


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -314.126+/-1254.849 χ²/NDF: 23.2/22
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: -955.831+/-1073.787 χ²/NDF: 31.8/28
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -684.574+/-815.857 χ²/NDF: 55.2/51
In: -292.545+/-866.062 χ²/NDF:36.6/45
Out: -783.340+/-775.862 χ²/NDF:61.4/53
All: -564.824+/-577.884 χ²/NDF: 98.2/99



Right In: 4154.806+/-0.887 χ^2/NDF: 2483437.2/22

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3721.328+/-0.759 χ^2/NDF: 4909831.1/28

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

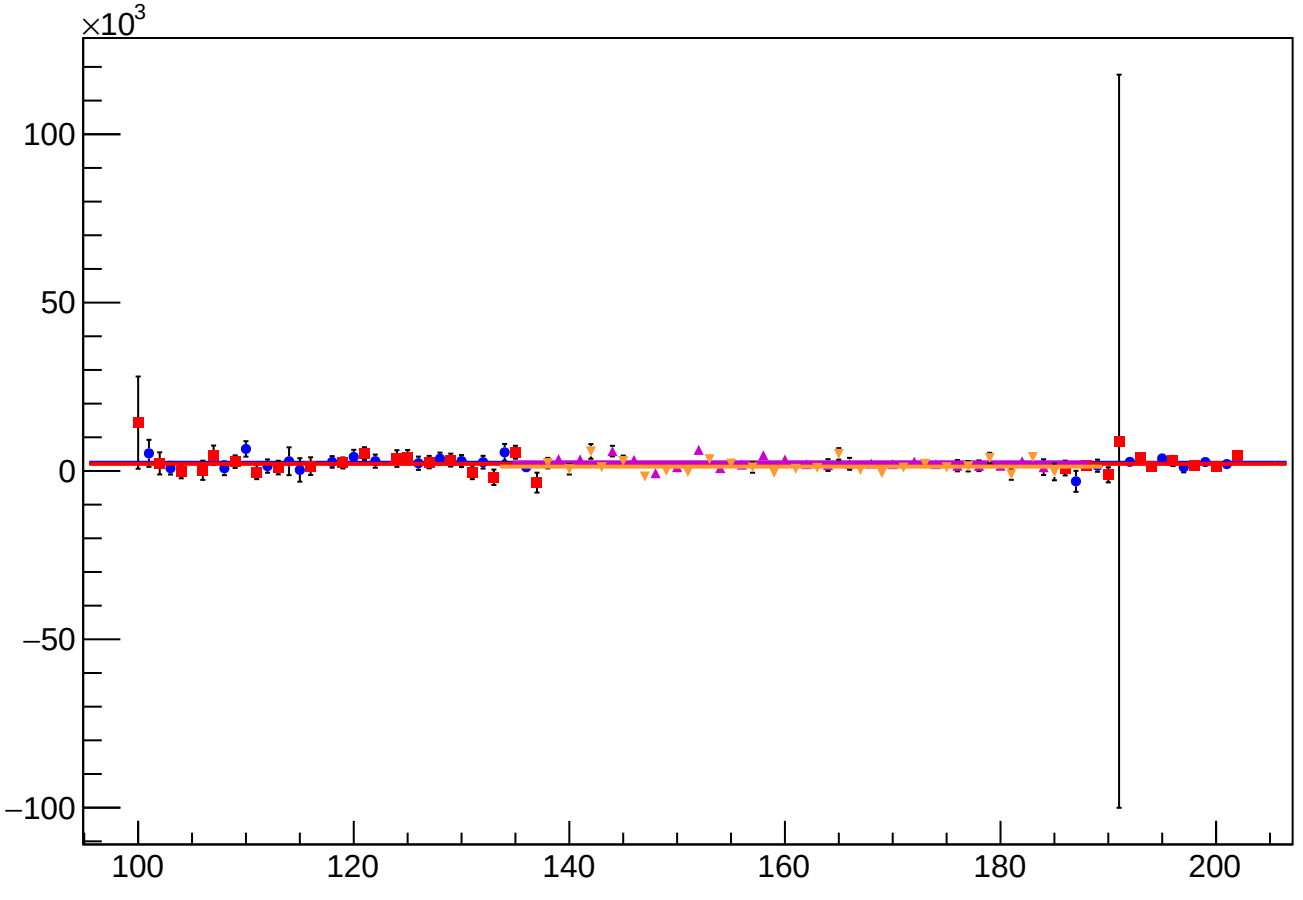
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3904.565+/-0.577 χ^2/NDF: 7531044.1/51

In: 4608.168+/-0.612 χ^2/NDF:4207055.1/45

Out: 4227.484+/-0.549 χ^2/NDF:7845902.7/53

All: 4396.976+/-0.409 χ^2/NDF: 12267333.3/9



Right In: 2437.838+/-387.078 χ^2/NDF: 14.5/22

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 2116.968+/-360.058 χ^2/NDF: 29.7/28

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

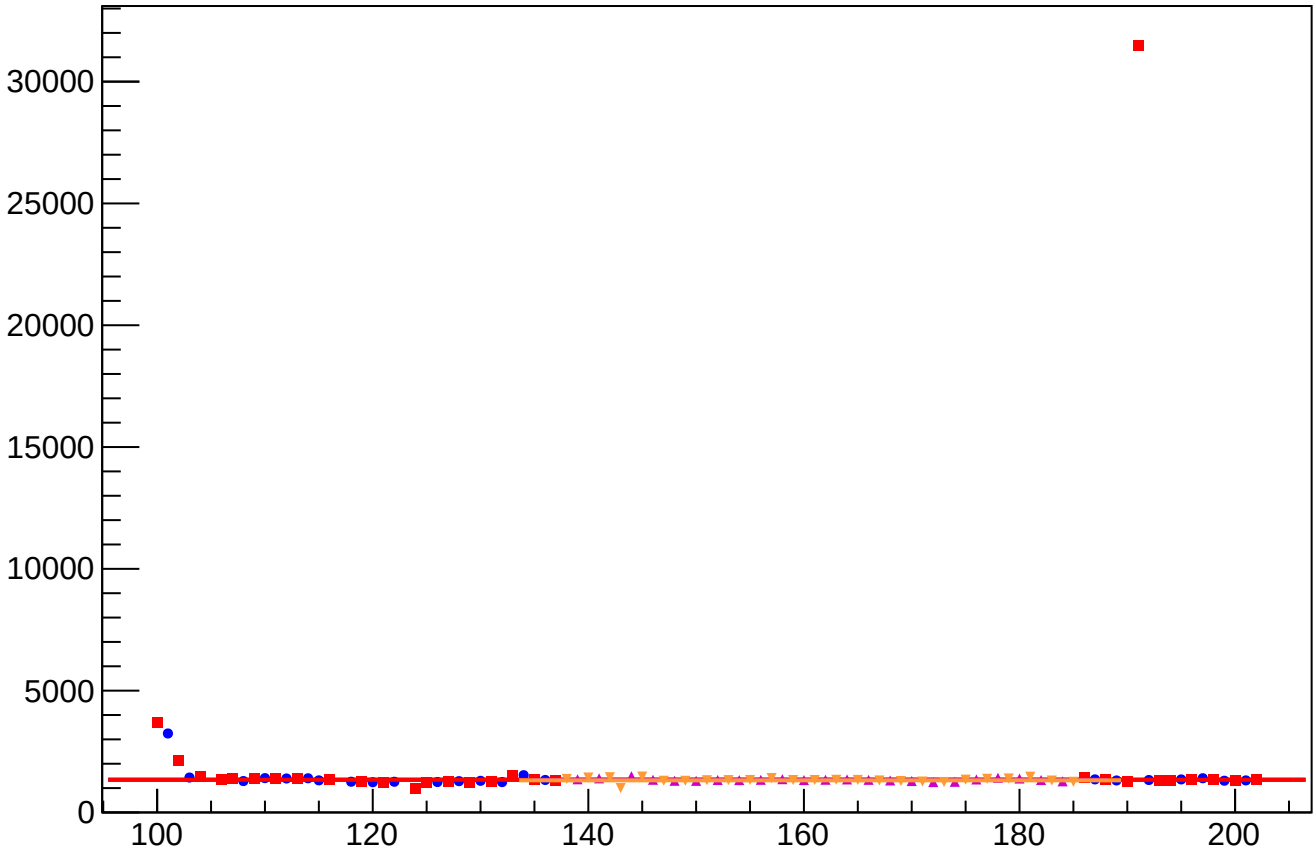
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2265.814+/-263.634 χ^2/NDF: 44.5/51

In: 2494.662+/-243.332 χ^2/NDF:39.5/45

Out: 1626.273+/-230.721 χ^2/NDF:66.2/53

All: 2037.384+/-167.425 χ^2/NDF: 112.4/99



Right In: 1344.950+/-0.274 χ^2/NDF: 500888.6/22

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1341.654+/-0.255 χ^2/NDF: 435030.8/28

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

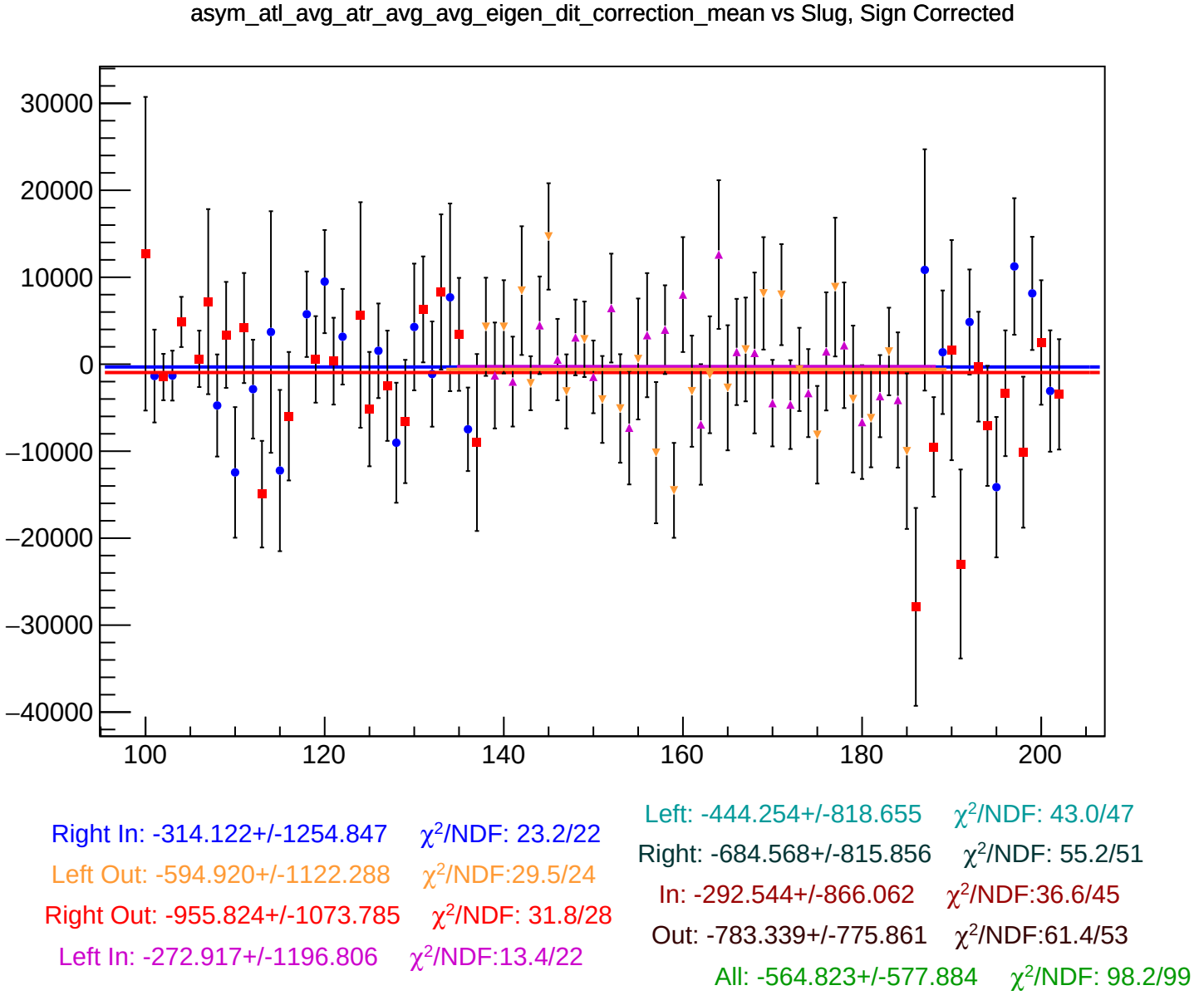
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1343.183+/-0.186 χ^2/NDF: 935997.2/51

In: 1341.112+/-0.172 χ^2/NDF:555464.8/45

Out: 1327.820+/-0.163 χ^2/NDF:688595.2/53

All: 1334.112+/-0.118 χ^2/NDF: 1247202.8/99


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
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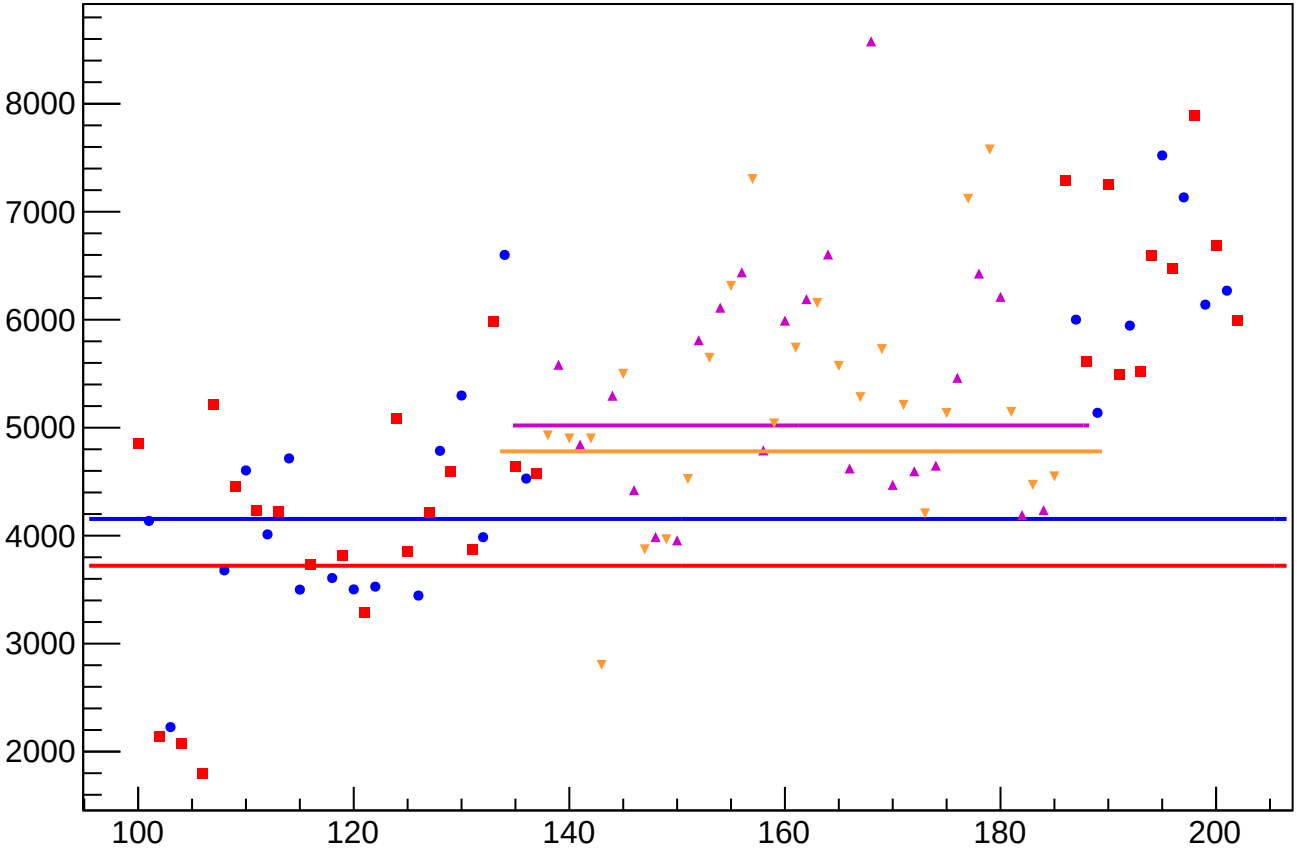
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -314.122+/-1254.847 χ²/NDF: 23.2/22
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -955.824+/-1073.785 χ²/NDF: 31.8/28
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -684.568+/-815.856 χ²/NDF: 55.2/51
In: -292.544+/-866.062 χ²/NDF:36.6/45
Out: -783.339+/-775.861 χ²/NDF:61.4/53
All: -564.823+/-577.884 χ²/NDF: 98.2/99

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4154.797+/-0.887 χ^2/NDF: 2483457.4/22

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3721.319+/-0.759 χ^2/NDF: 4909859.6/28

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

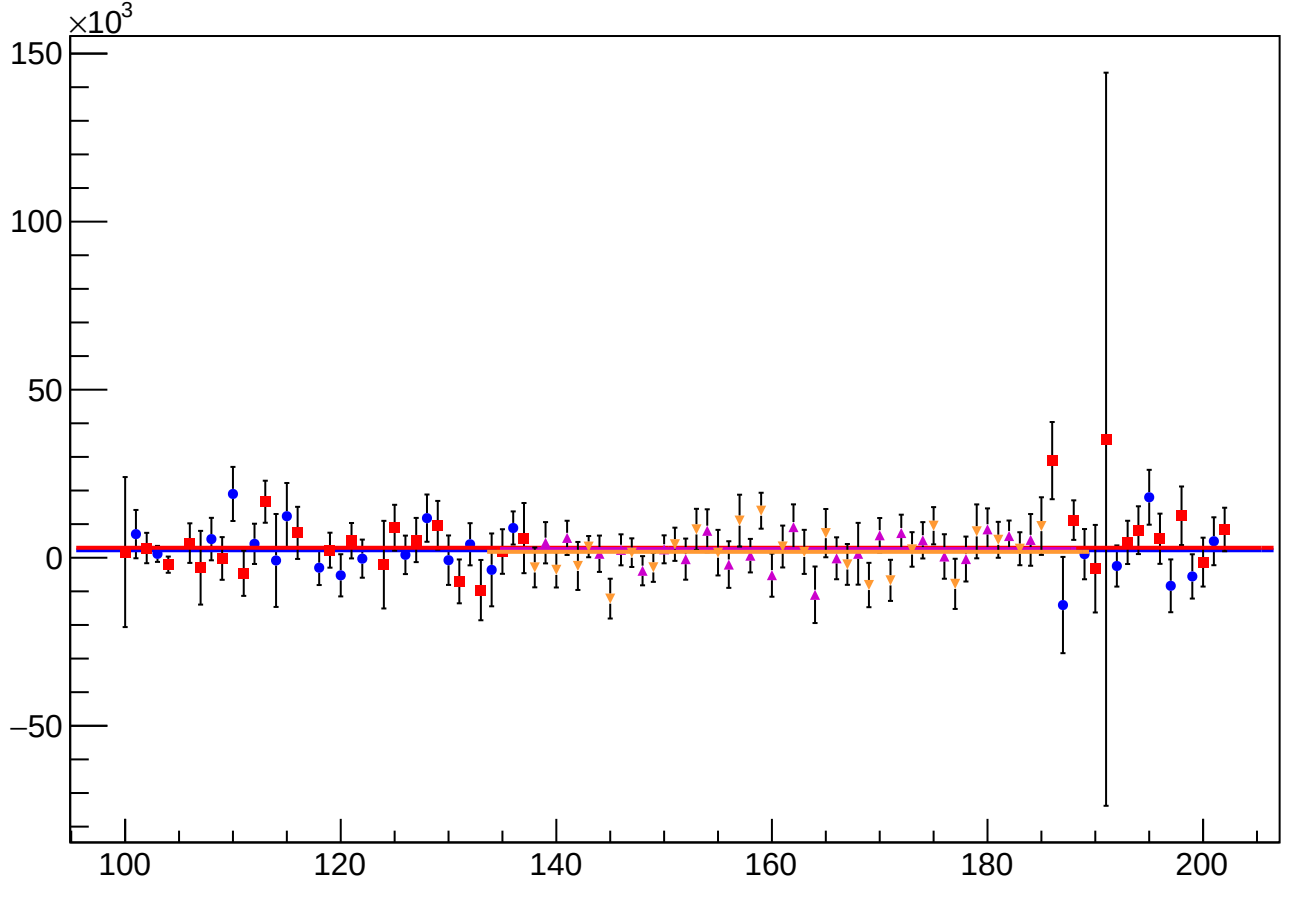
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3904.556+/-0.577 χ^2/NDF: 7531093.6/51

In: 4608.167+/-0.612 χ^2/NDF:4207097.6/45

Out: 4227.481+/-0.549 χ^2/NDF:7845962.5/53

All: 4396.974+/-0.409 χ^2/NDF: 12267437.3/9



Right In: 2227.559+/-1248.673 χ^2/NDF: 22.3/22

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2969.931+/-1178.759 χ^2/NDF: 28.2/28

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

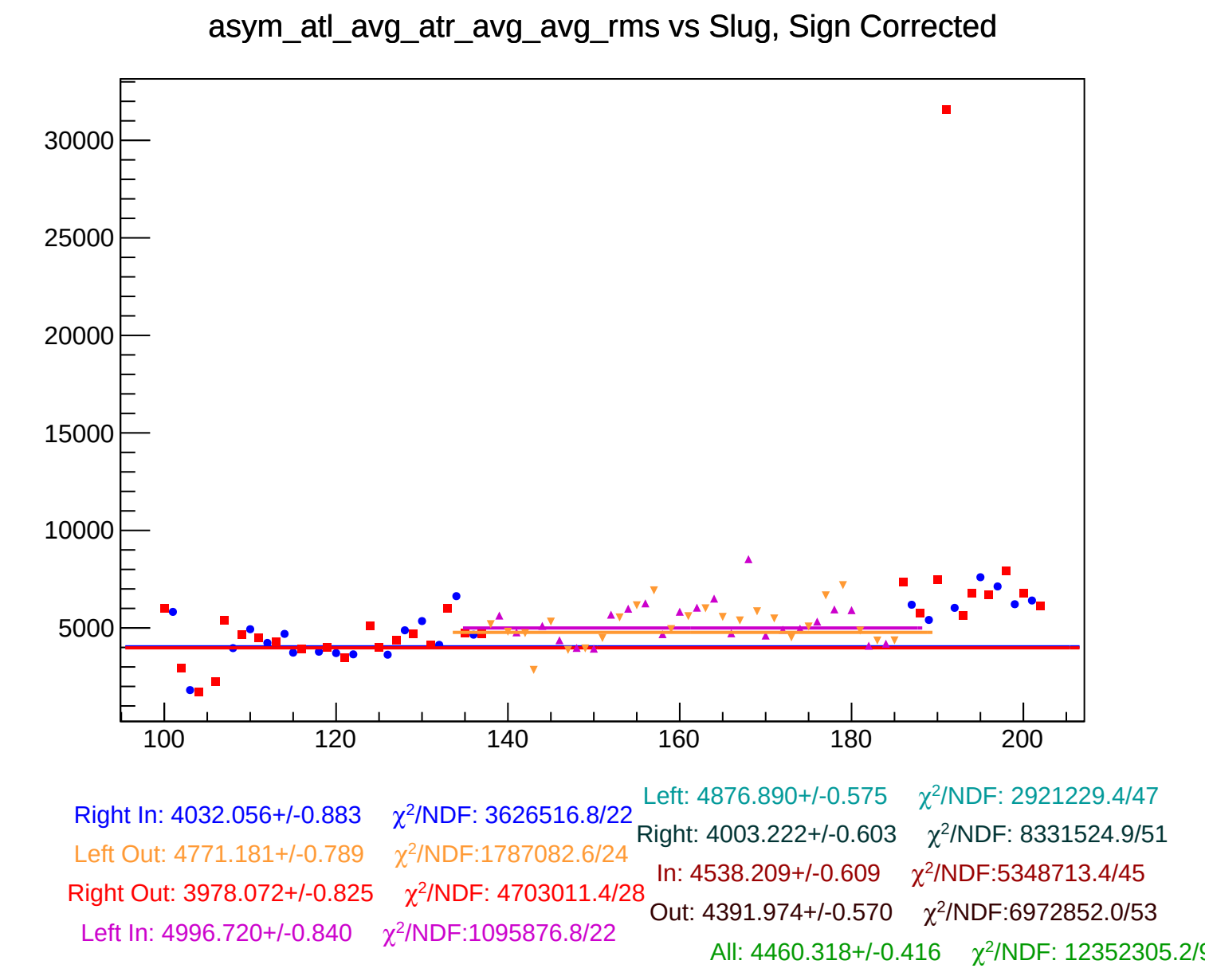
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

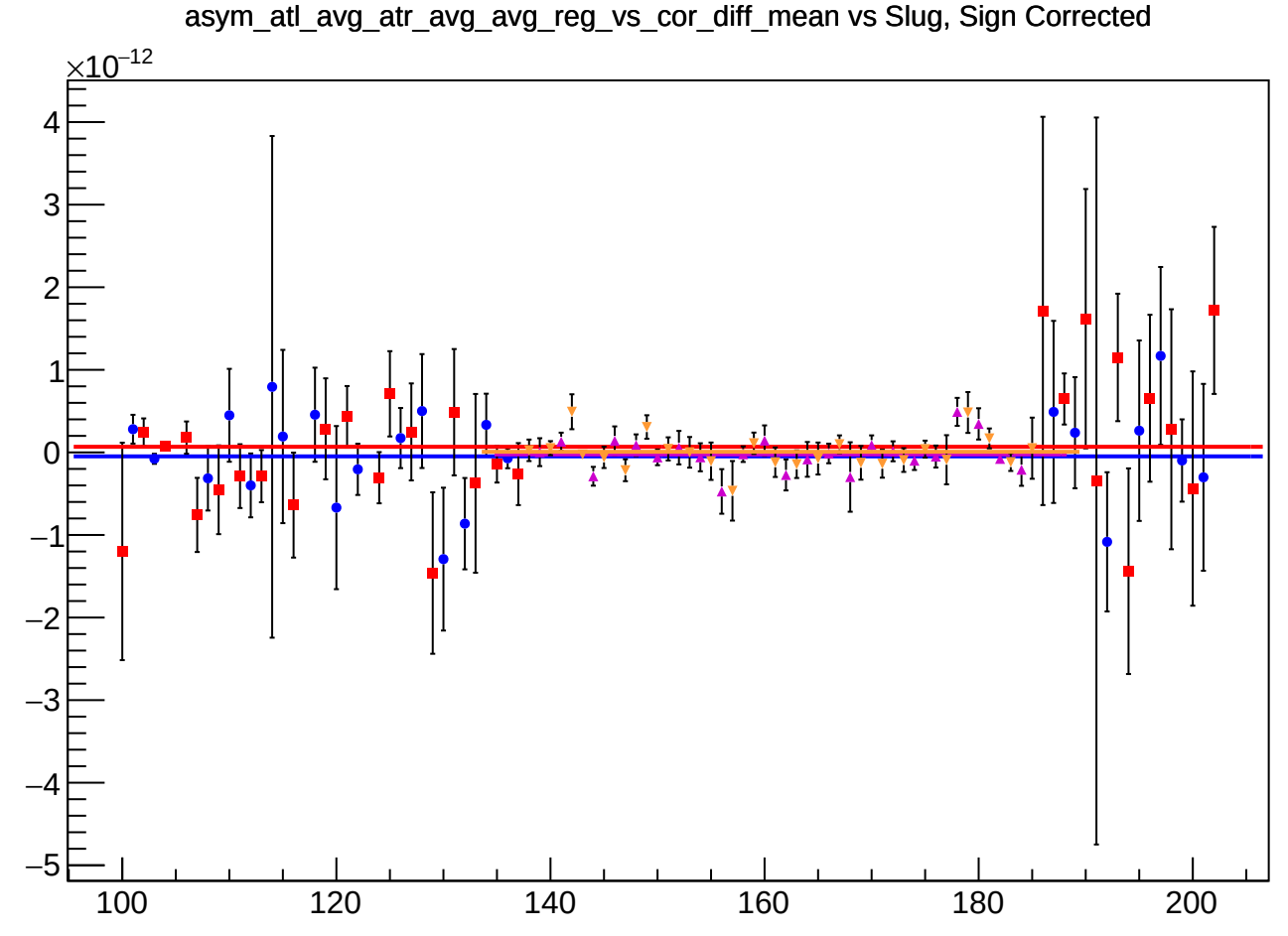
Right: 2620.109+/-857.160 χ^2/NDF: 50.7/51

In: 2412.462+/-860.863 χ^2/NDF:35.6/45

Out: 2332.913+/-810.499 χ^2/NDF:56.4/53

All: 2370.292+/-590.111 χ^2/NDF: 92.0/99


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4032.056+/-0.883 χ²/NDF: 3626516.8/22
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 3978.072+/-0.825 χ²/NDF: 4703011.4/28
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 4003.222+/-0.603 χ²/NDF: 8331524.9/51
In: 4538.209+/-0.609 χ²/NDF:5348713.4/45
Out: 4391.974+/-0.570 χ²/NDF:6972852.0/53
All: 4460.318+/-0.416 χ²/NDF: 12352305.2/9



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

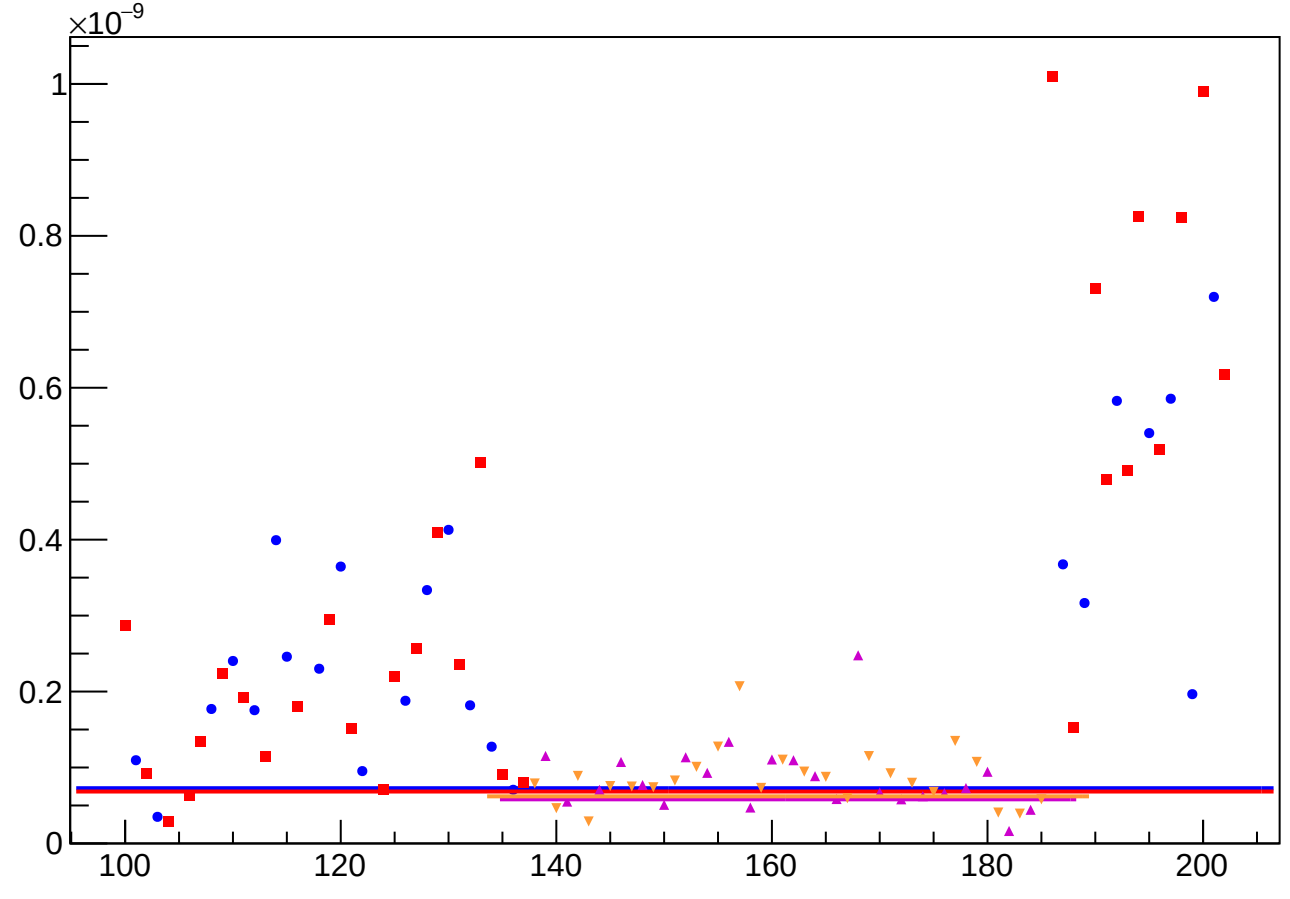
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.4/51

In: -0.000+/-0.000 χ^2/NDF:48.9/45

Out: 0.000+/-0.000 χ^2/NDF:58.7/53

All: -0.000+/-0.000 χ^2/NDF: 110.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 5380188.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7496034.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

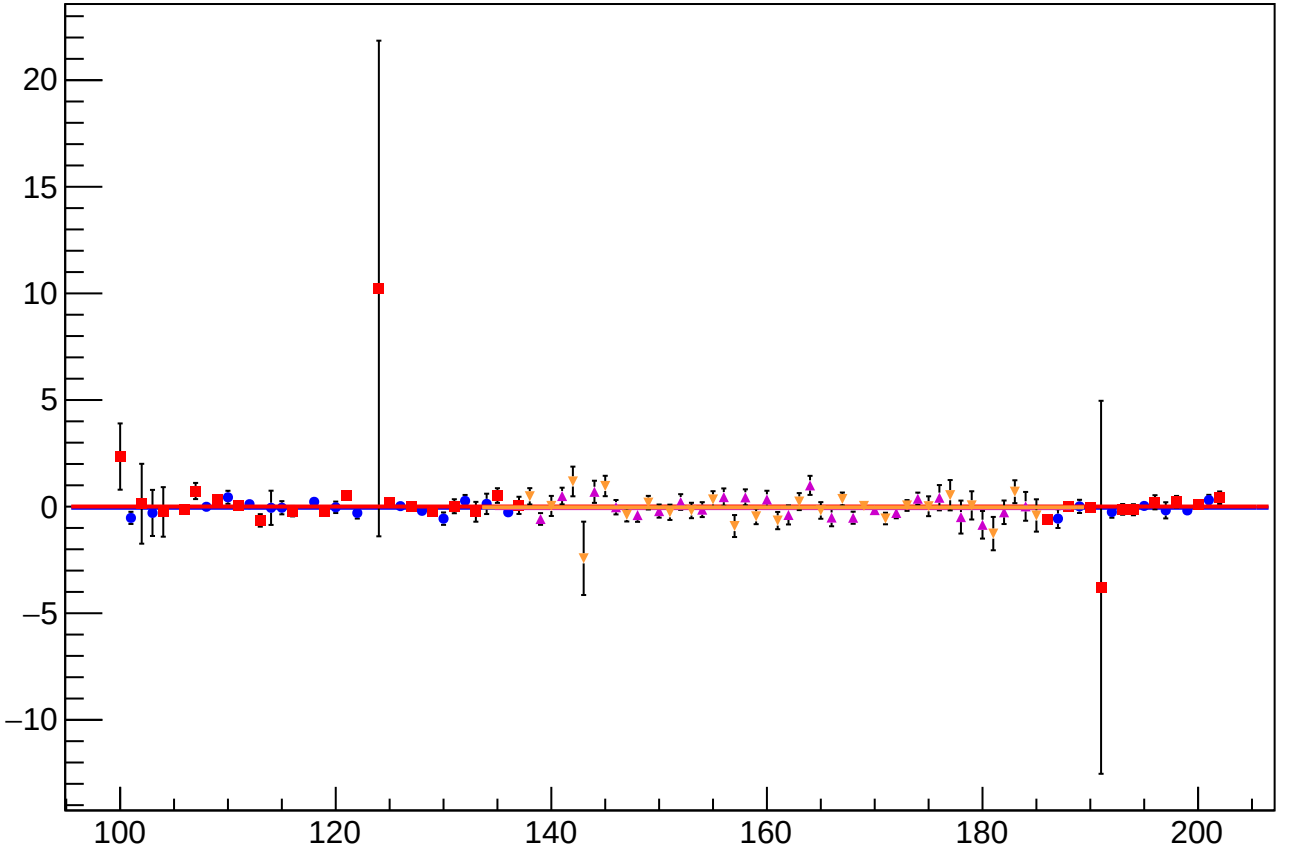
Right: 0.000+/-0.000 χ^2/NDF: 12884743.2/51

In: 0.000+/-0.000 χ^2/NDF:8490410.7/45

Out: 0.000+/-0.000 χ^2/NDF:9967664.7/53

All: 0.000+/-0.000 χ^2/NDF: 18466044.5/99

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

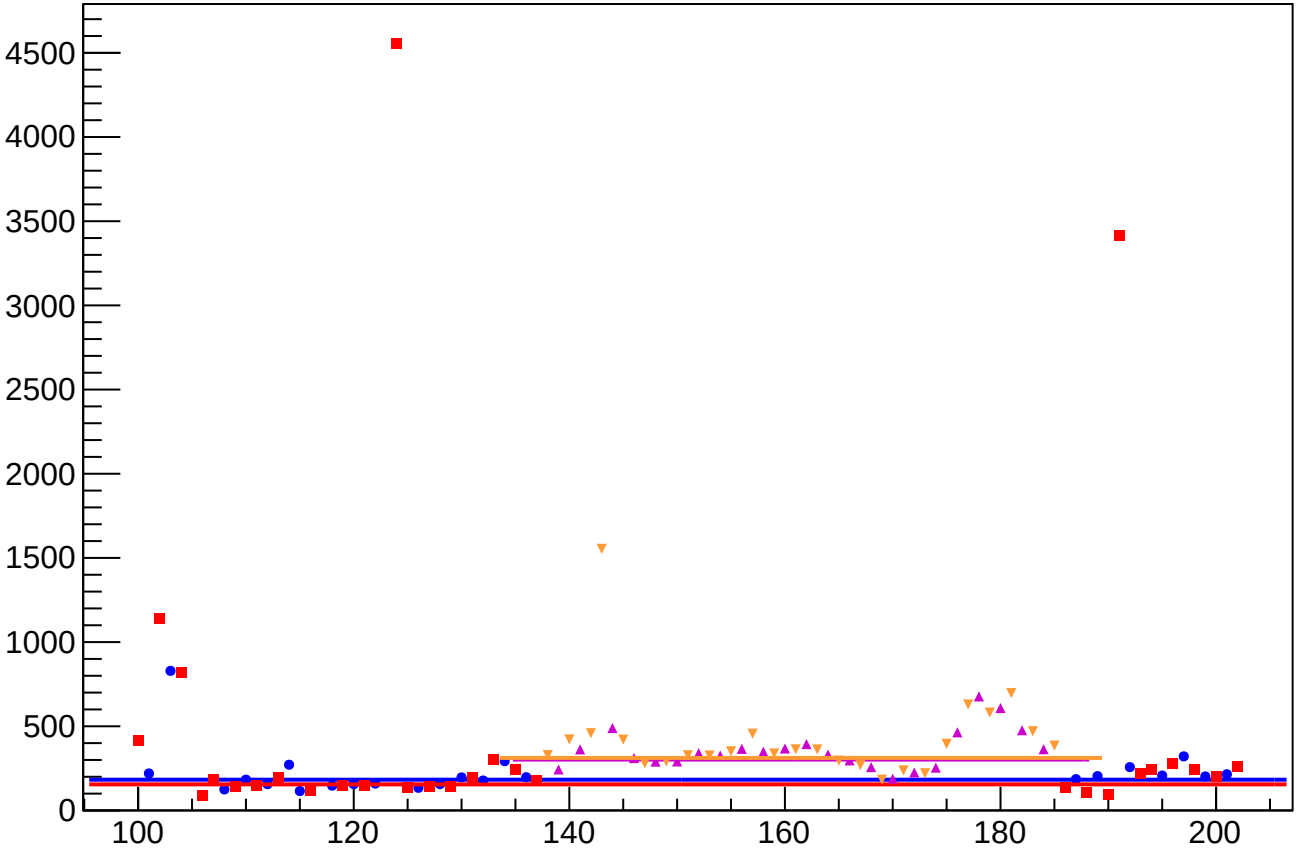
Right: -0.019+/-0.036 χ^2/NDF: 59.6/51

In: -0.059+/-0.045 χ^2/NDF:49.6/45

Out: -0.006+/-0.040 χ^2/NDF:72.0/53

All: -0.029+/-0.030 χ^2/NDF: 122.4/99

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.700+/-0.040 χ^2/NDF: 1909246.8/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 154.901+/-0.033 χ^2/NDF: 4459248.1/28

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

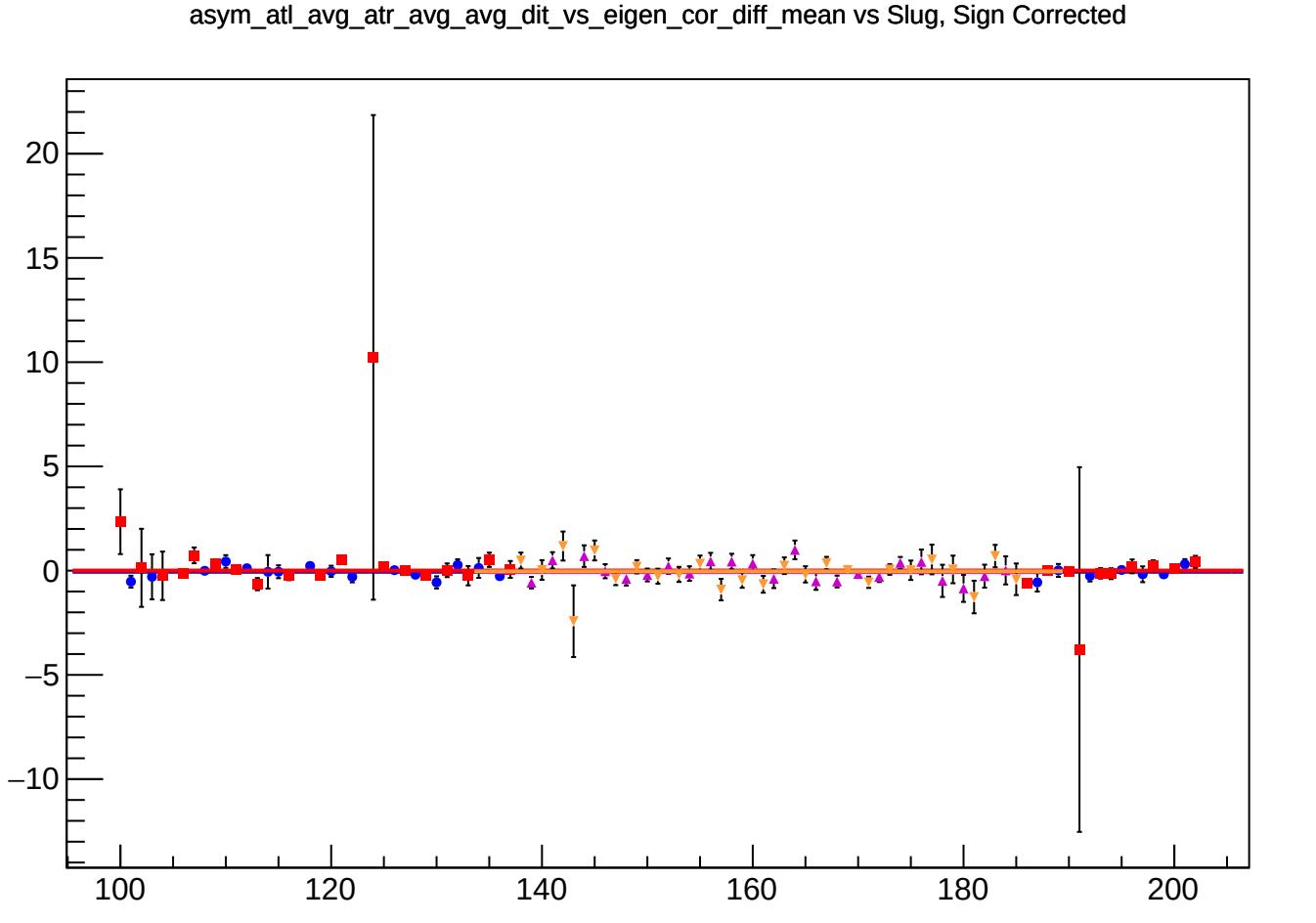
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 166.292+/-0.025 χ^2/NDF: 6658886.3/51

In: 225.661+/-0.032 χ^2/NDF:7991395.8/45

Out: 197.400+/-0.028 χ^2/NDF:14930584.4/53

All: 209.873+/-0.021 χ^2/NDF: 23365131.7/99



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

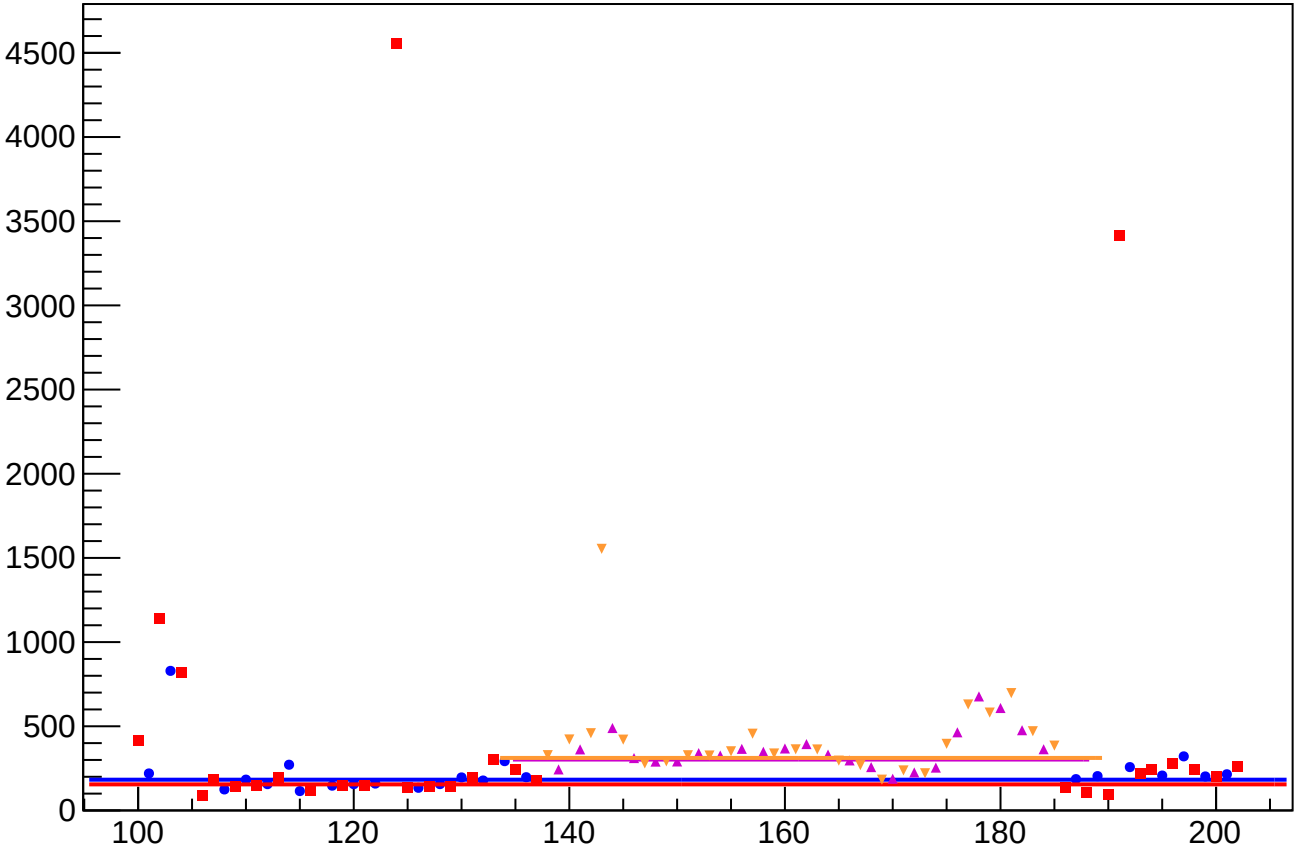
Right: -0.019+/-0.036 χ^2/NDF: 59.6/51

In: -0.059+/-0.045 χ^2/NDF:49.6/45

Out: -0.006+/-0.040 χ^2/NDF:72.0/53

All: -0.029+/-0.030 χ^2/NDF: 122.4/99

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.700+/-0.040 χ^2/NDF: 1909246.8/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 154.901+/-0.033 χ^2/NDF: 4459248.1/28

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

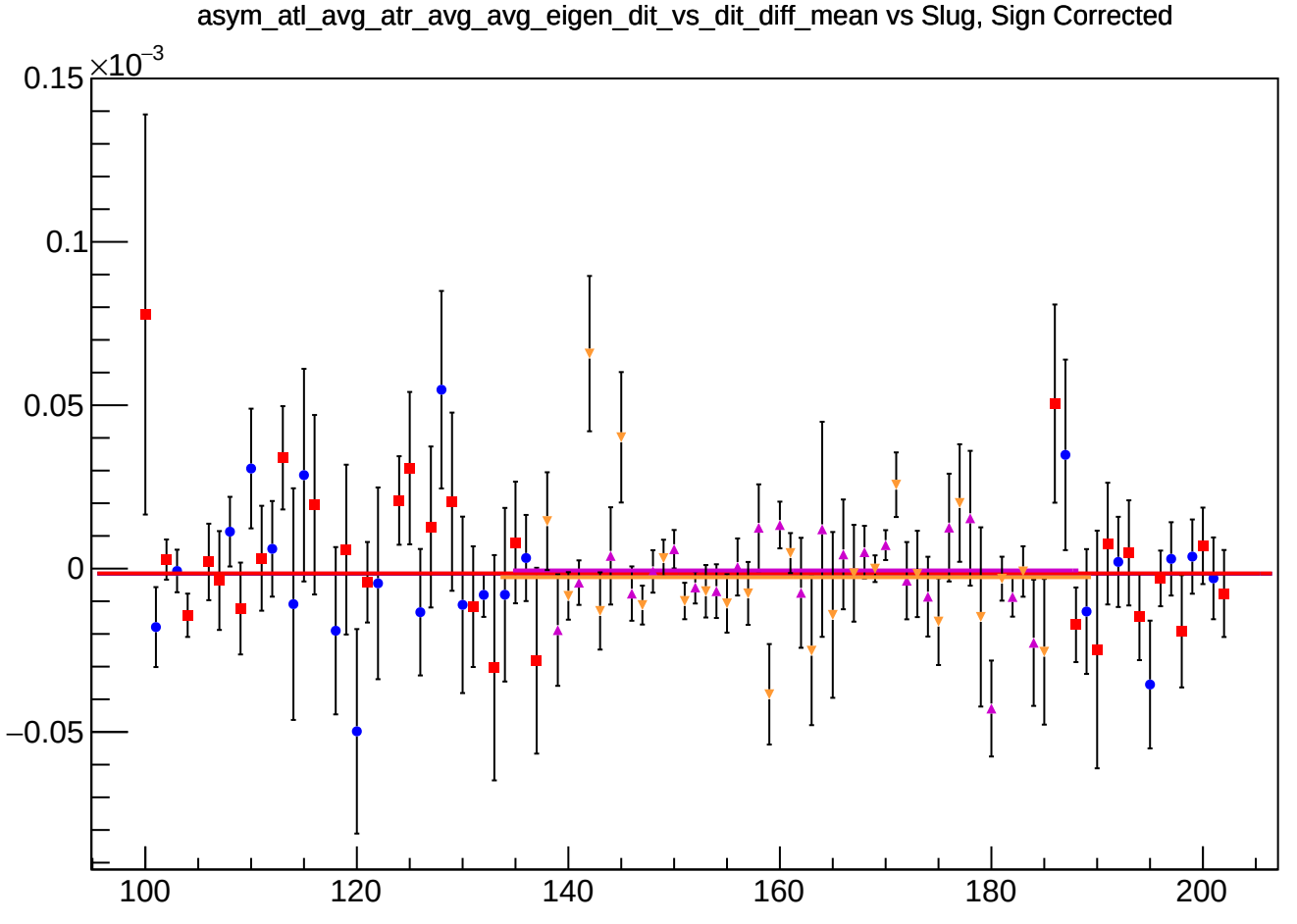
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 166.292+/-0.025 χ^2/NDF: 6658886.3/51

In: 225.661+/-0.032 χ^2/NDF:7991395.8/45

Out: 197.400+/-0.028 χ^2/NDF:14930584.4/53

All: 209.873+/-0.021 χ^2/NDF: 23365131.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/28

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

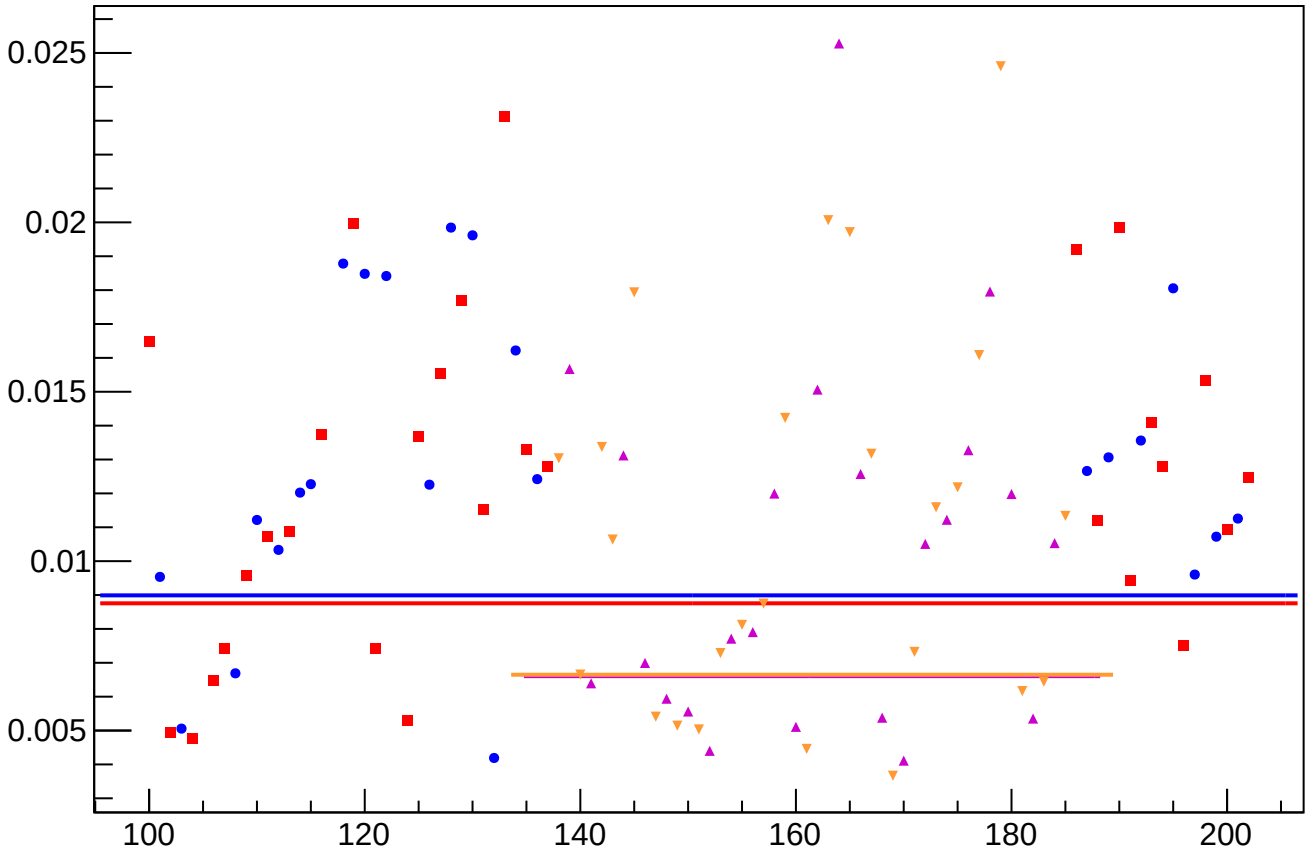
Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

Right: -0.000+/-0.000 χ^2/NDF: 49.5/51

In: -0.000+/-0.000 χ^2/NDF:47.8/45

Out: -0.000+/-0.000 χ^2/NDF:71.1/53

All: -0.000+/-0.000 χ^2/NDF: 119.4/99



Right In: 0.009+/-0.000 χ^2/NDF: 4404217.1/22

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 4767078.5/28

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

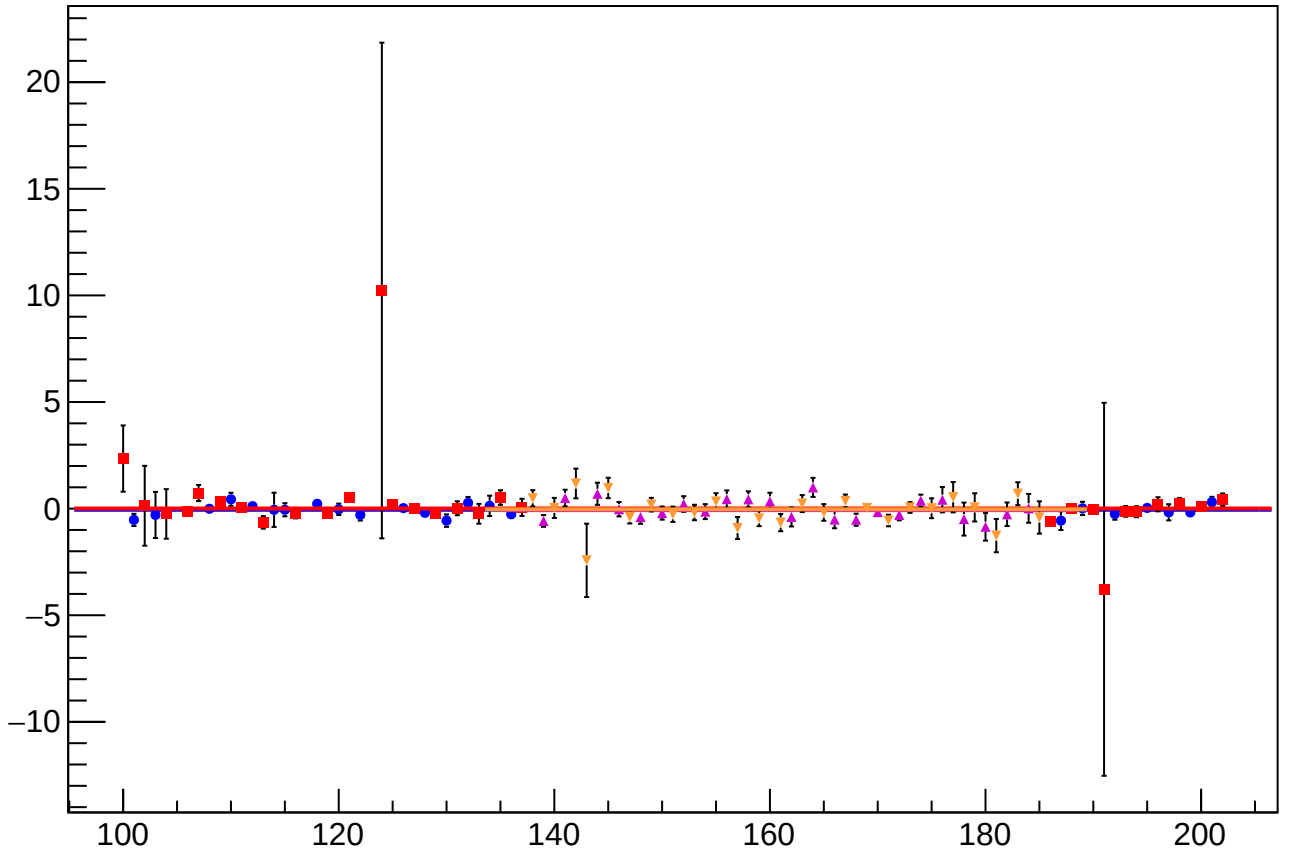
Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

Right: 0.009+/-0.000 χ^2/NDF: 9178730.9/51

In: 0.007+/-0.000 χ^2/NDF:11252222.1/45

Out: 0.007+/-0.000 χ^2/NDF:13214377.5/53

All: 0.007+/-0.000 χ^2/NDF: 24467918.5/99



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

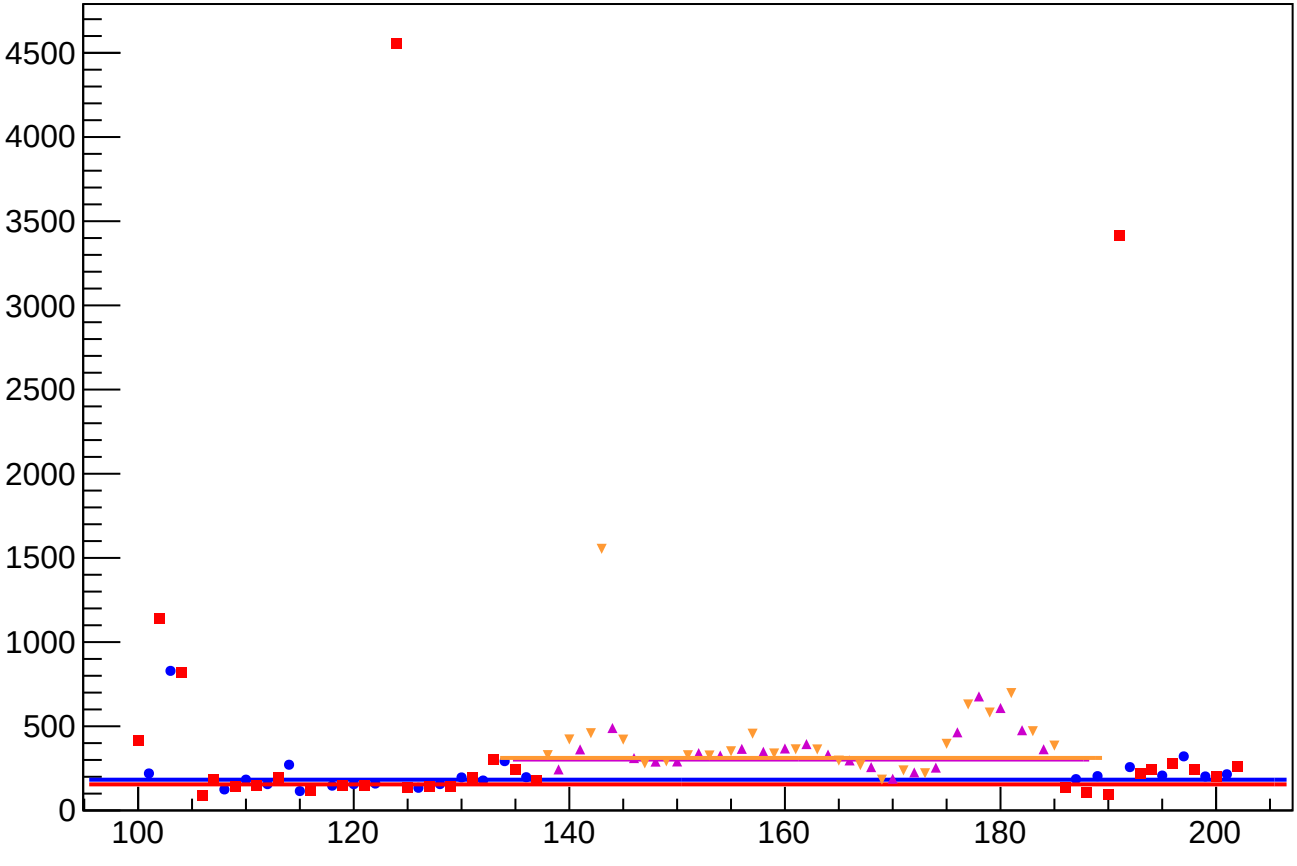
Right: -0.019+/-0.036 χ^2/NDF: 59.6/51

In: -0.059+/-0.045 χ^2/NDF:49.6/45

Out: -0.006+/-0.040 χ^2/NDF:72.0/53

All: -0.029+/-0.030 χ^2/NDF: 122.4/99

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.699+/-0.040 χ^2/NDF: 1909245.0/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 154.898+/-0.033 χ^2/NDF: 4459443.5/28

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

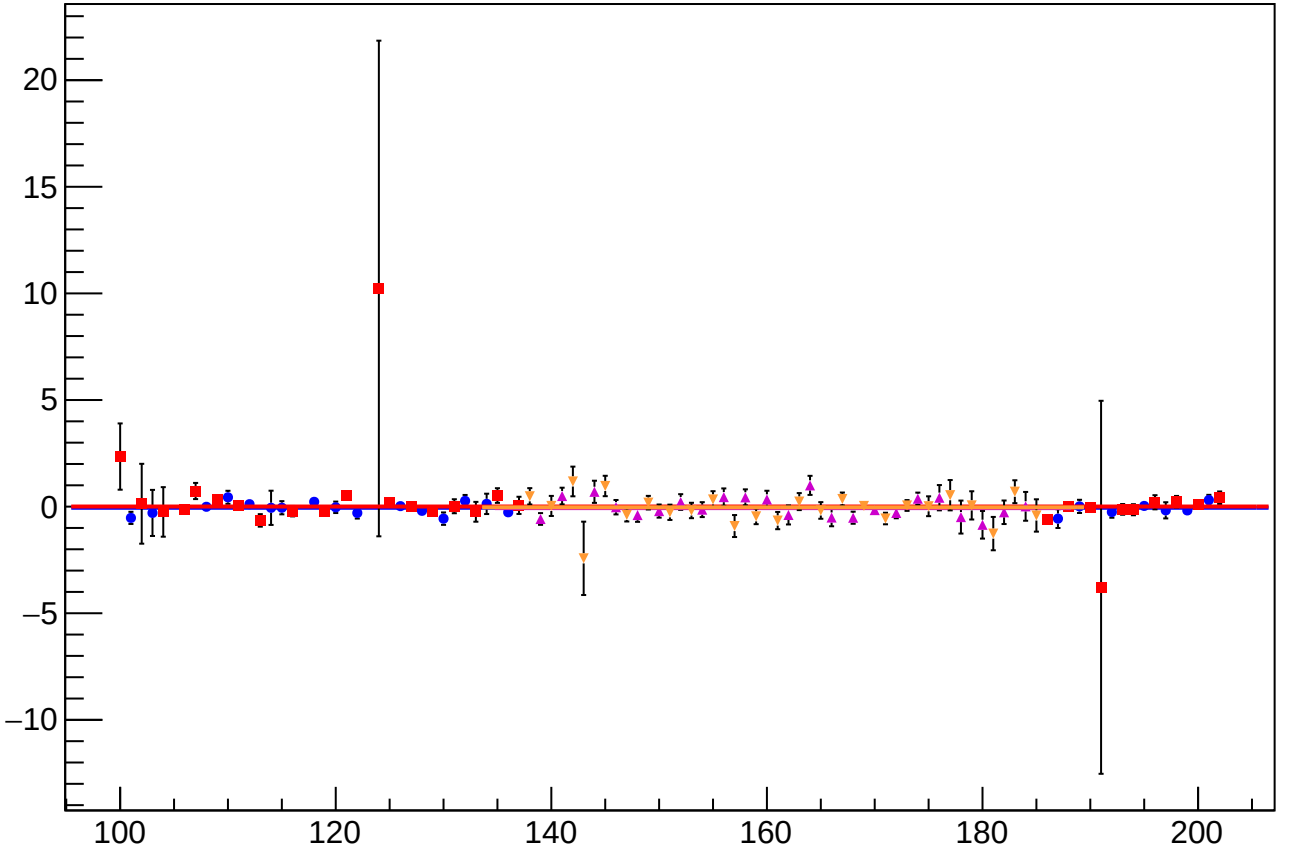
Right: 166.290+/-0.025 χ^2/NDF: 6659146.8/51

In: 225.660+/-0.032 χ^2/NDF:7991608.9/45

Out: 197.397+/-0.028 χ^2/NDF:14931287.0/53

All: 209.870+/-0.021 χ^2/NDF: 23366154.5/99

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

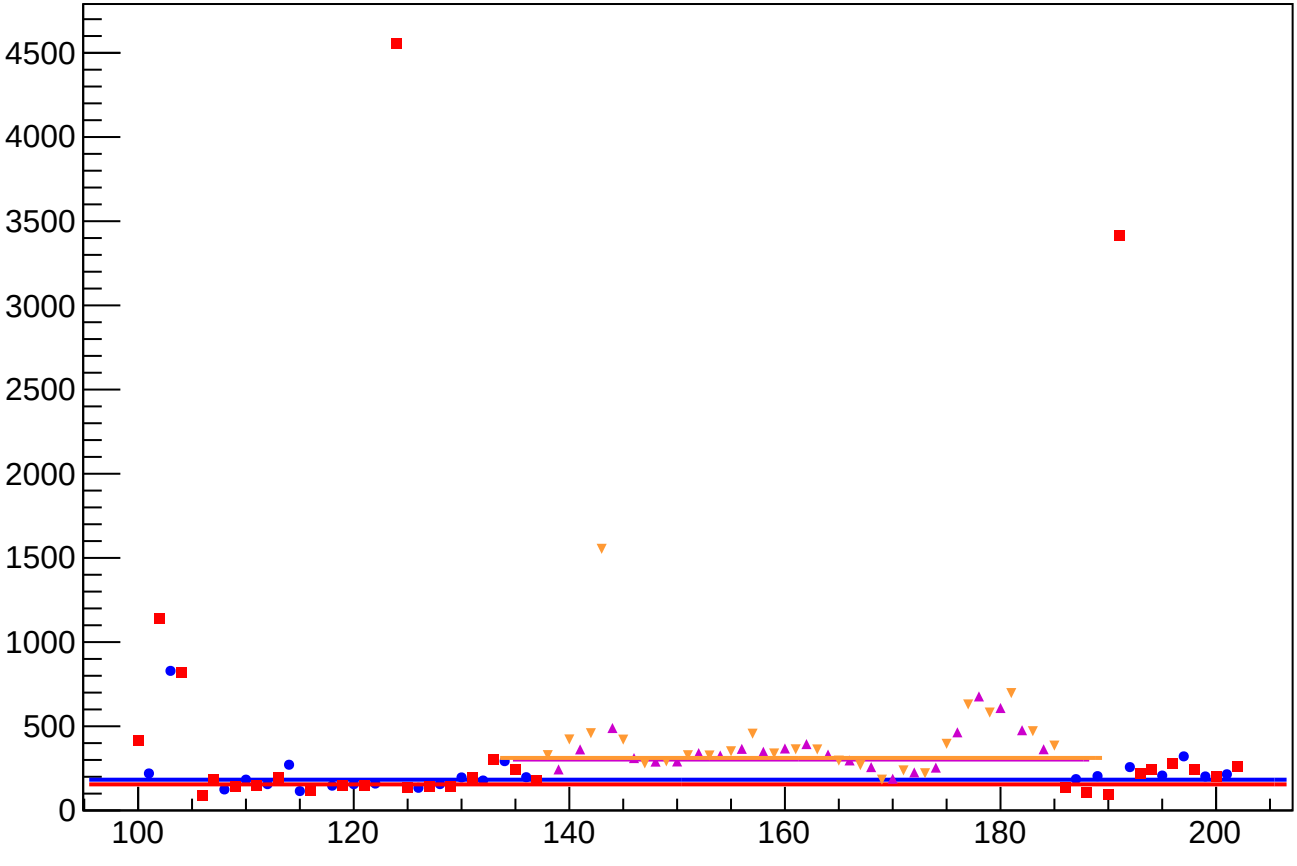
Right: -0.019+/-0.036 χ^2/NDF: 59.6/51

In: -0.059+/-0.045 χ^2/NDF:49.6/45

Out: -0.006+/-0.040 χ^2/NDF:72.0/53

All: -0.029+/-0.030 χ^2/NDF: 122.4/99

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.699+/-0.040 χ^2/NDF: 1909245.0/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 154.898+/-0.033 χ^2/NDF: 4459443.5/28

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

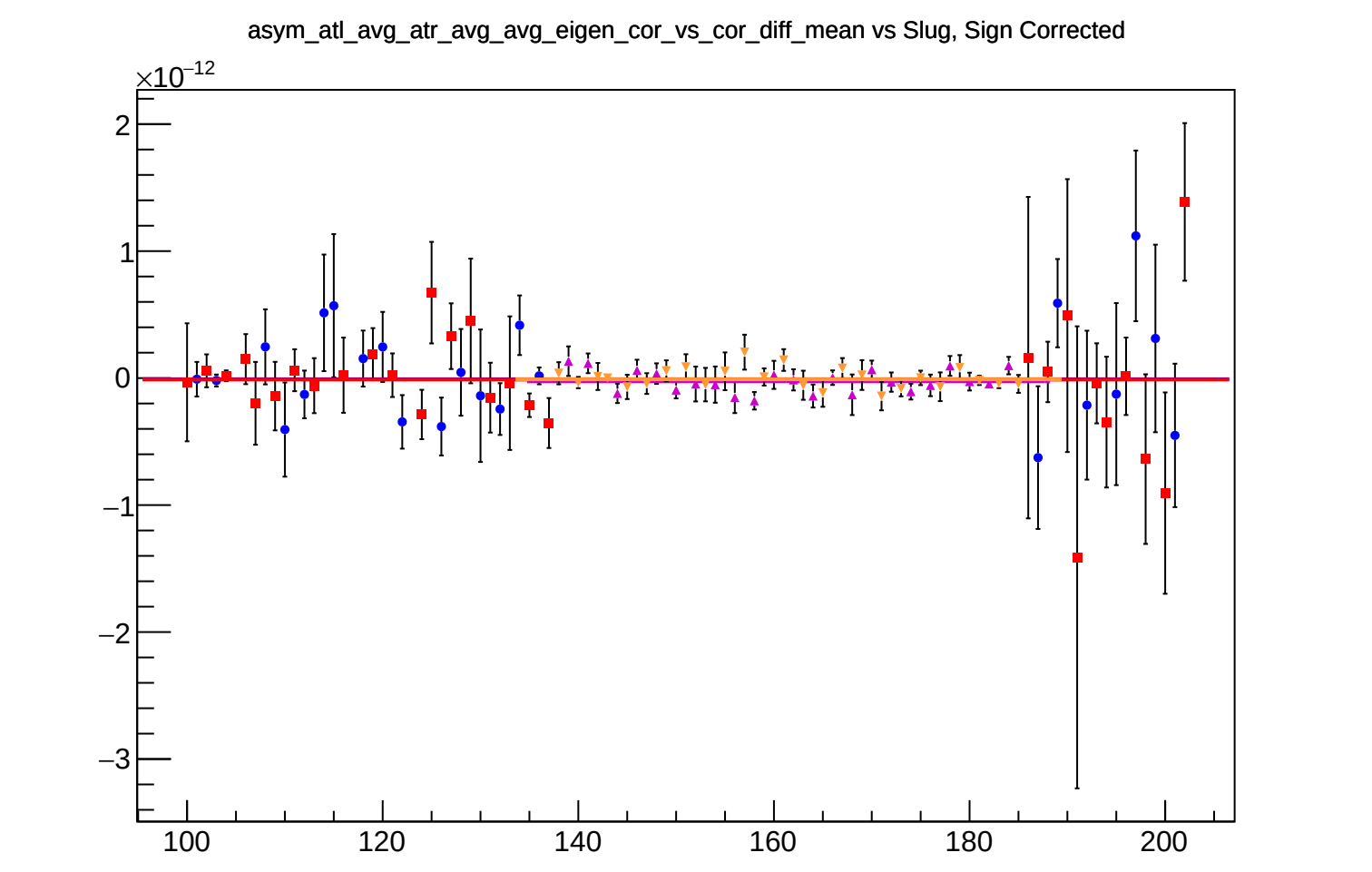
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 166.290+/-0.025 χ^2/NDF: 6659146.8/51

In: 225.660+/-0.032 χ^2/NDF:7991608.9/45

Out: 197.397+/-0.028 χ^2/NDF:14931287.0/53

All: 209.870+/-0.021 χ^2/NDF: 23366154.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/28

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

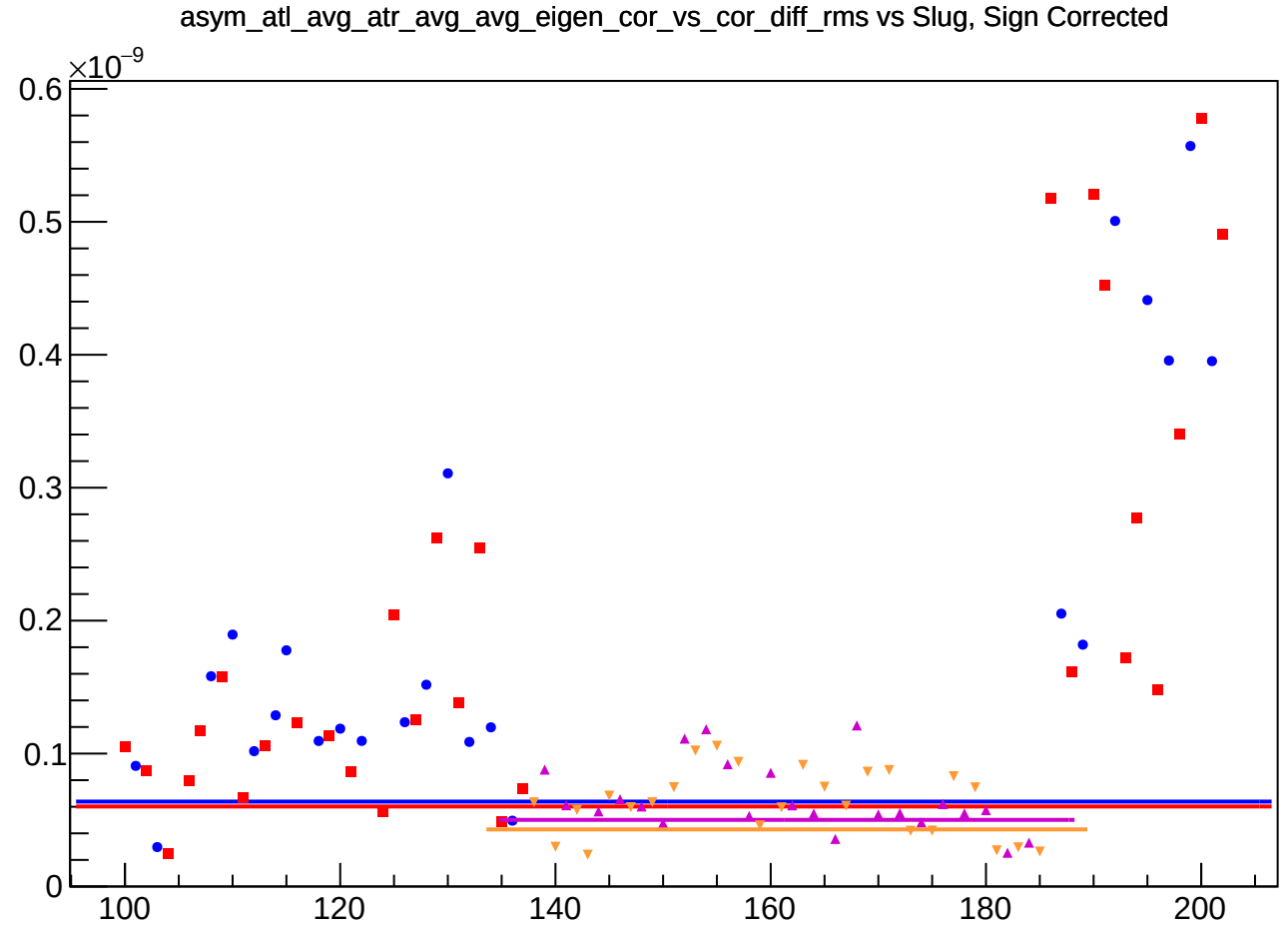
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 51.5/51

In: -0.000+/-0.000 χ^2/NDF:51.9/45

Out: -0.000+/-0.000 χ^2/NDF:43.6/53

All: -0.000+/-0.000 χ^2/NDF: 96.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 7152222.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7440740.4/28

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

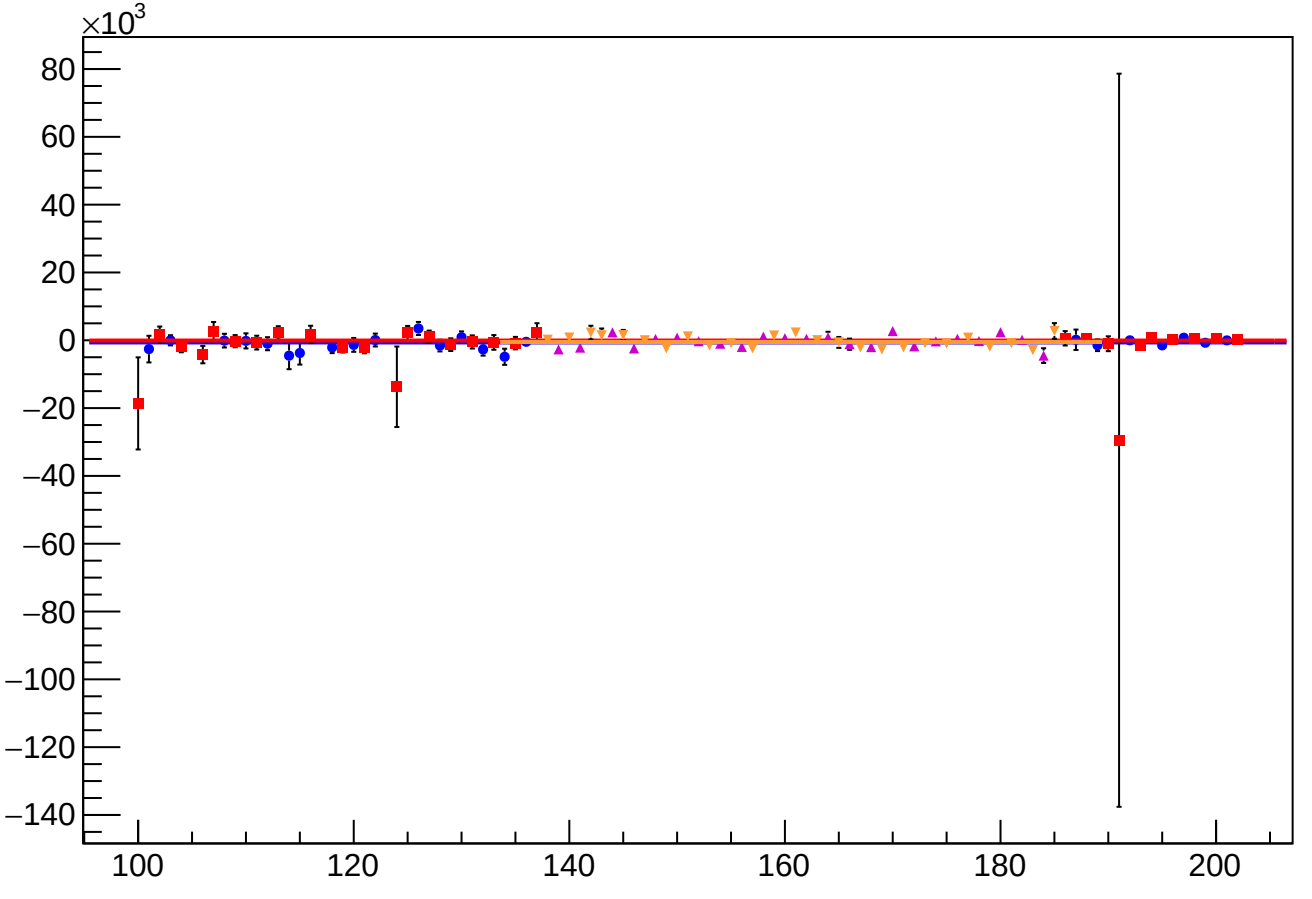
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14606481.7/51

In: 0.000+/-0.000 χ^2/NDF:11056929.4/45

Out: 0.000+/-0.000 χ^2/NDF:13043514.2/53

All: 0.000+/-0.000 χ^2/NDF: 24377394.2/99



Right In: -636.481+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -72.257+/-345.911 χ^2/NDF: 18.6/28

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

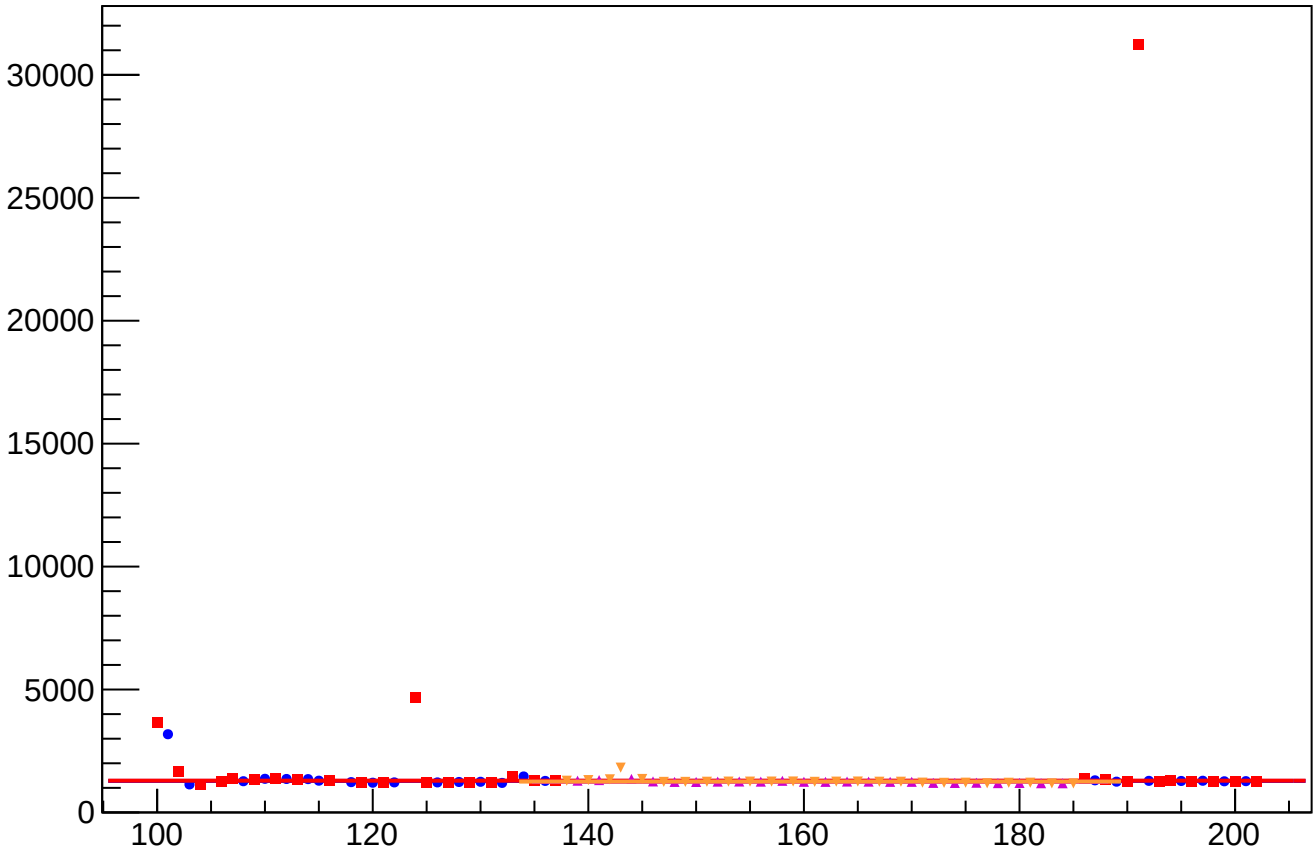
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -336.114+/-252.386 χ^2/NDF: 35.5/51

In: -393.757+/-228.592 χ^2/NDF:48.4/45

Out: -334.966+/-220.392 χ^2/NDF:50.5/53

All: -363.288+/-158.661 χ^2/NDF: 98.9/99



Right In: 1282.377+/-0.261 χ^2/NDF: 519381.9/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1292.268+/-0.245 χ^2/NDF: 491862.7/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

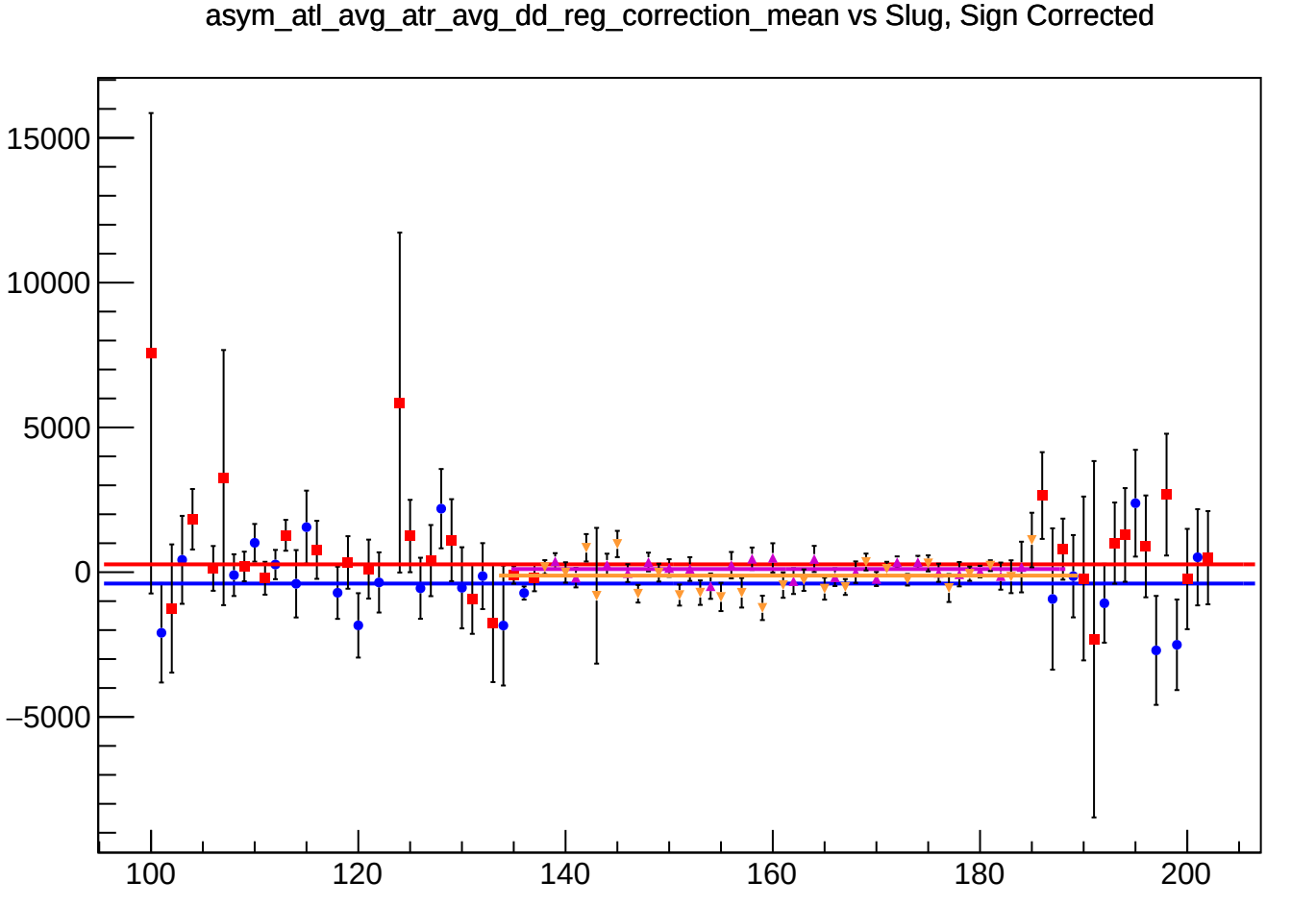
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1287.642+/-0.178 χ^2/NDF: 1012009.2/51

In: 1260.174+/-0.162 χ^2/NDF:570982.7/45

Out: 1270.434+/-0.156 χ^2/NDF:708400.0/53

All: 1265.491+/-0.112 χ^2/NDF: 1281470.8/99



Right In: -392.238+/-162.445 χ^2/NDF: 24.4/22

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 270.303+/-161.310 χ^2/NDF: 20.1/28

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

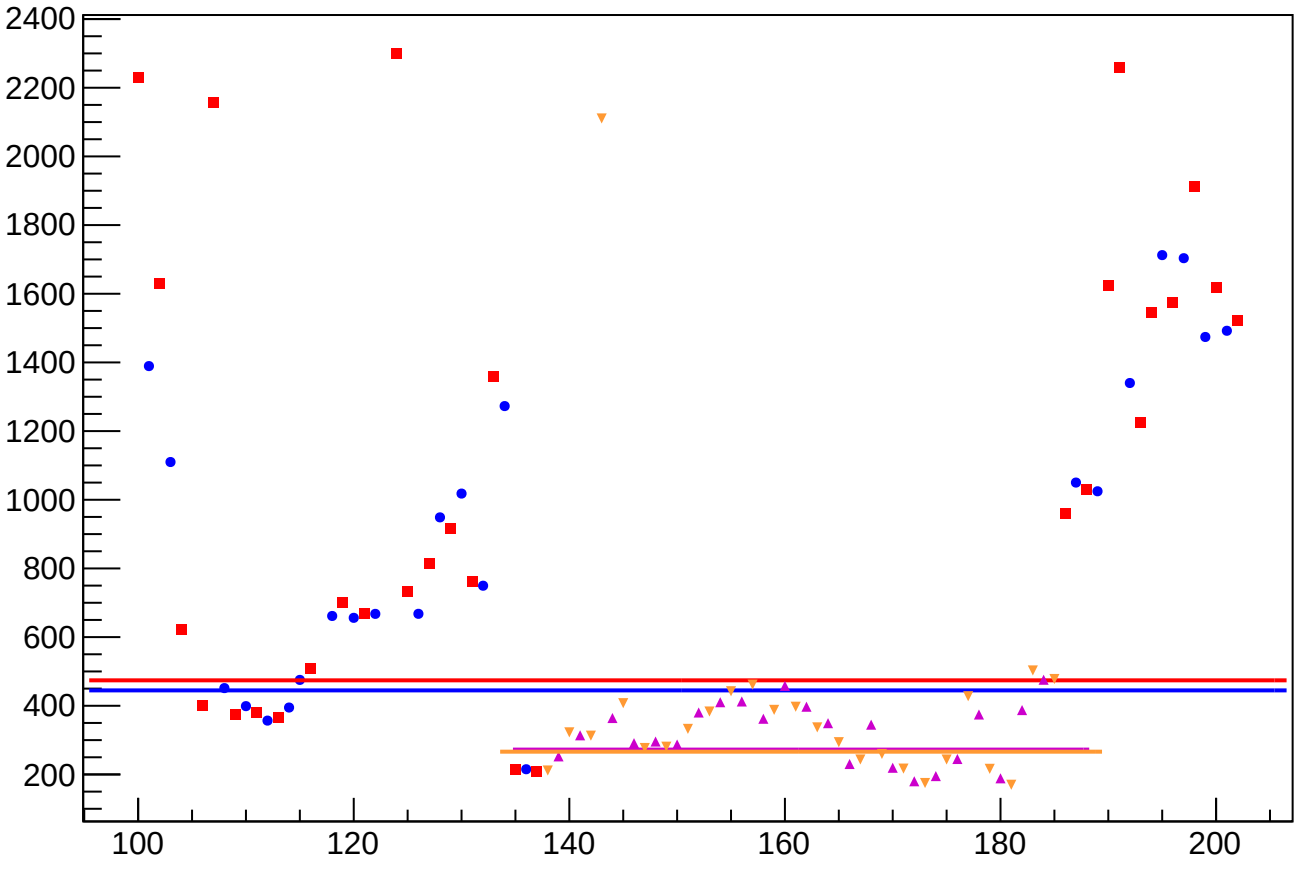
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -58.645+/-114.462 χ^2/NDF: 52.8/51

In: 34.710+/-61.939 χ^2/NDF:46.2/45

Out: -62.838+/-60.336 χ^2/NDF:73.5/53

All: -15.343+/-43.220 χ^2/NDF: 120.9/99



Right In: 444.818+/-0.115 χ^2/NDF: 9339710.8/22

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 474.093+/-0.114 χ^2/NDF: 10784427.7/28

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

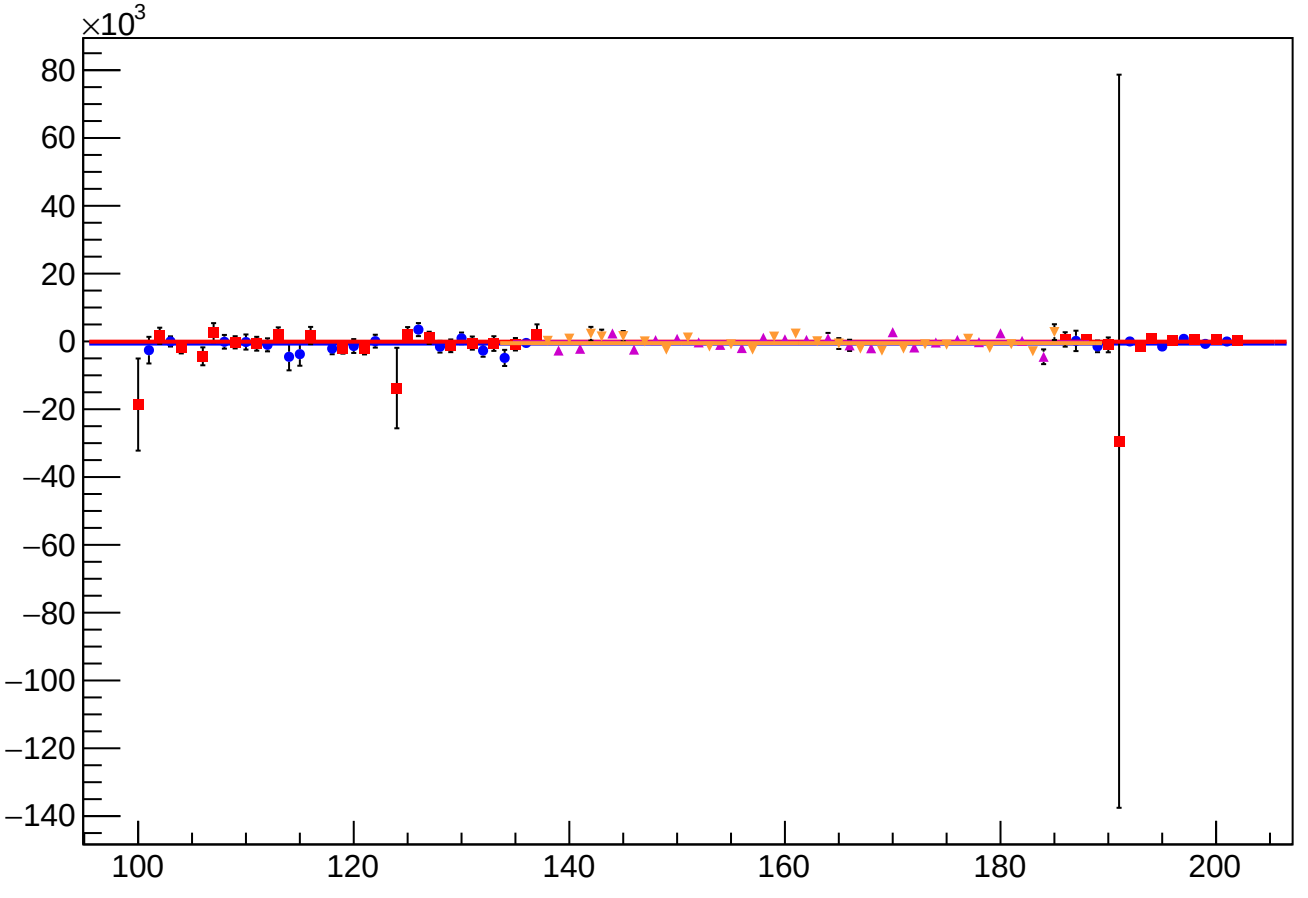
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 459.558+/-0.081 χ^2/NDF: 20156843.3/51

In: 297.440+/-0.044 χ^2/NDF:14153796.8/45

Out: 295.389+/-0.043 χ^2/NDF:18268382.7/53

All: 296.388+/-0.031 χ^2/NDF: 32423303.8/99



Right In: -636.294+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -70.608+/-346.100 χ^2/NDF: 18.7/28

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

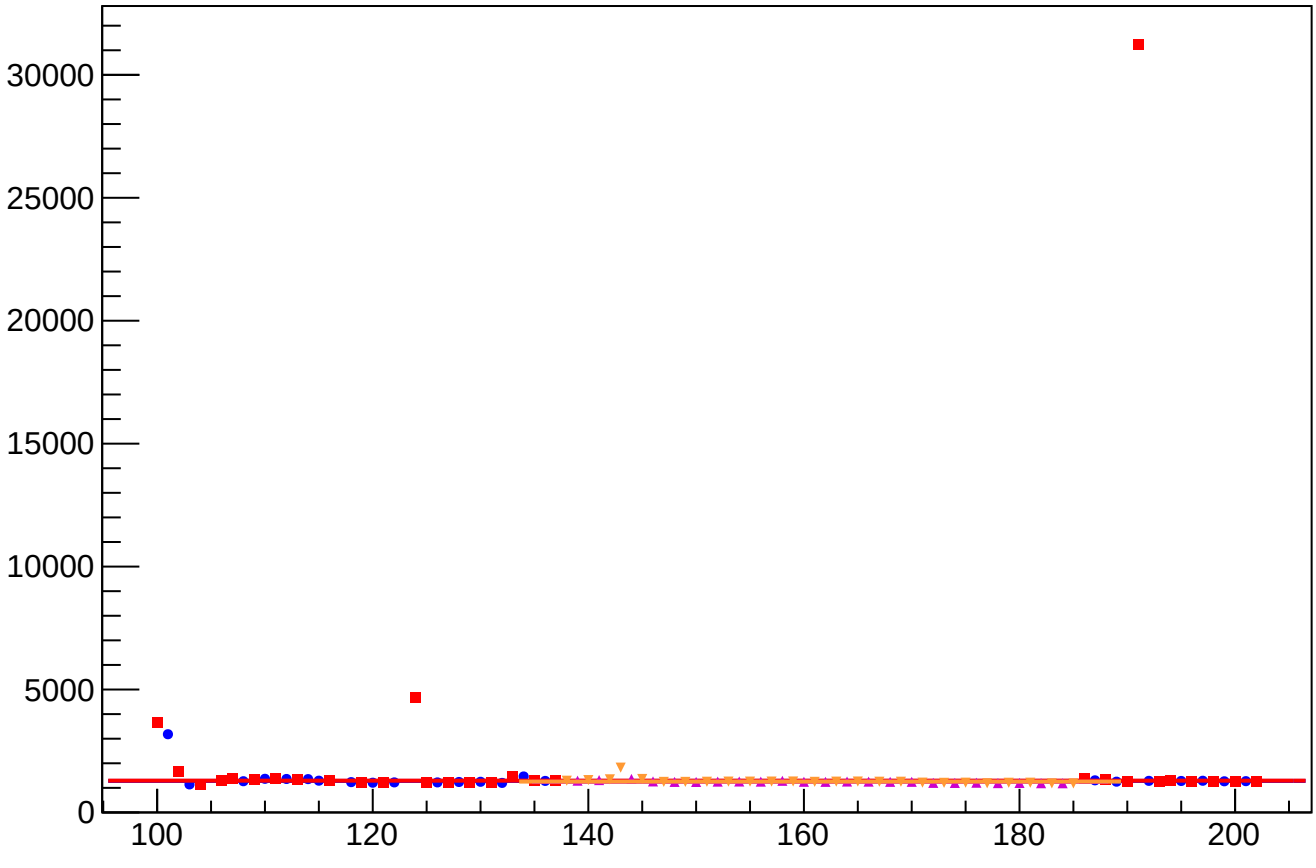
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -335.303+/-252.459 χ^2/NDF: 35.5/51

In: -393.671+/-228.592 χ^2/NDF:48.4/45

Out: -334.381+/-220.441 χ^2/NDF:50.6/53

All: -362.950+/-158.679 χ^2/NDF: 99.0/99



Right In: 1282.377+/-0.261 χ^2/NDF: 519383.3/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

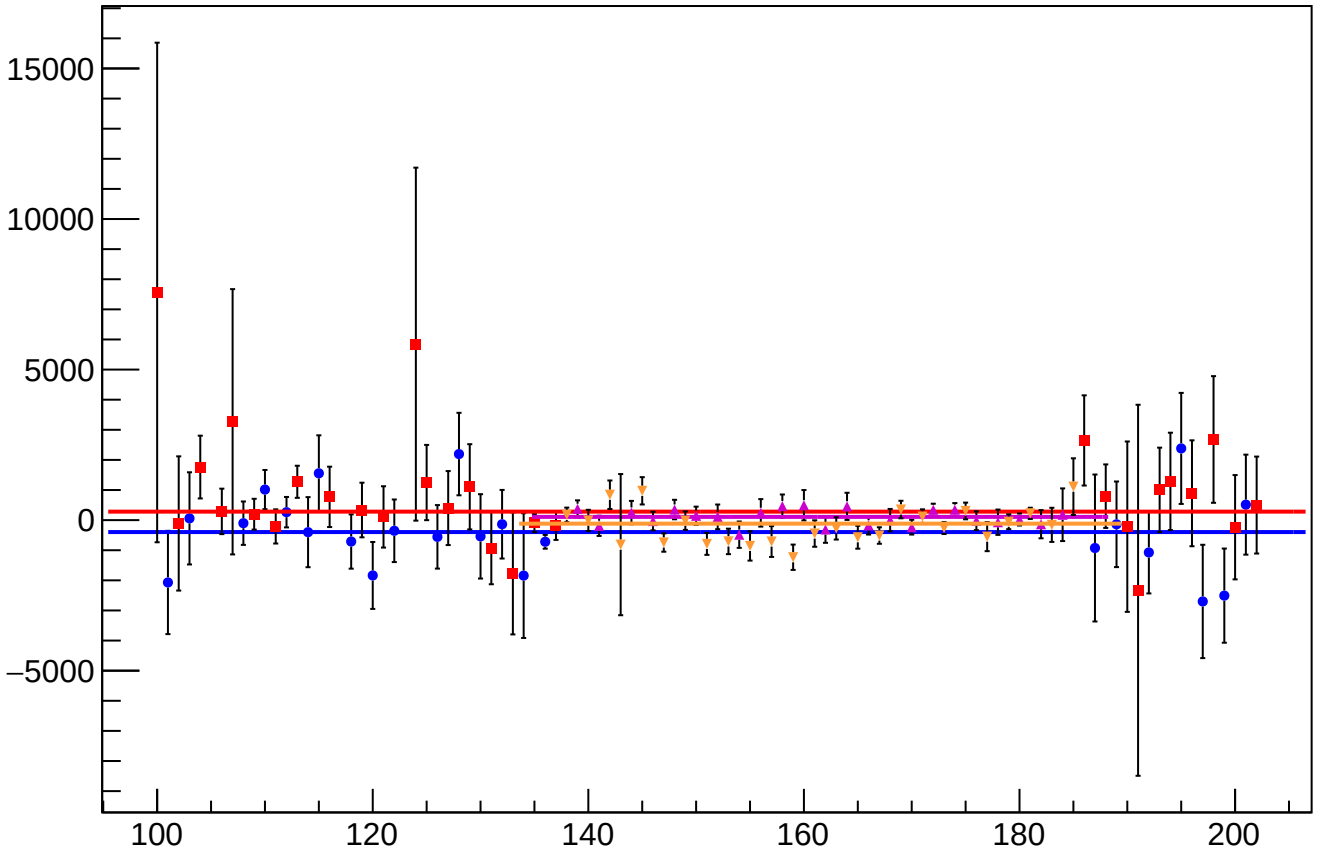
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1288.029+/-0.179 χ^2/NDF: 1011898.0/51

In: 1260.174+/-0.162 χ^2/NDF:570984.0/45

Out: 1270.721+/-0.156 χ^2/NDF:708700.3/53

All: 1265.639+/-0.112 χ^2/NDF: 1281890.3/99



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

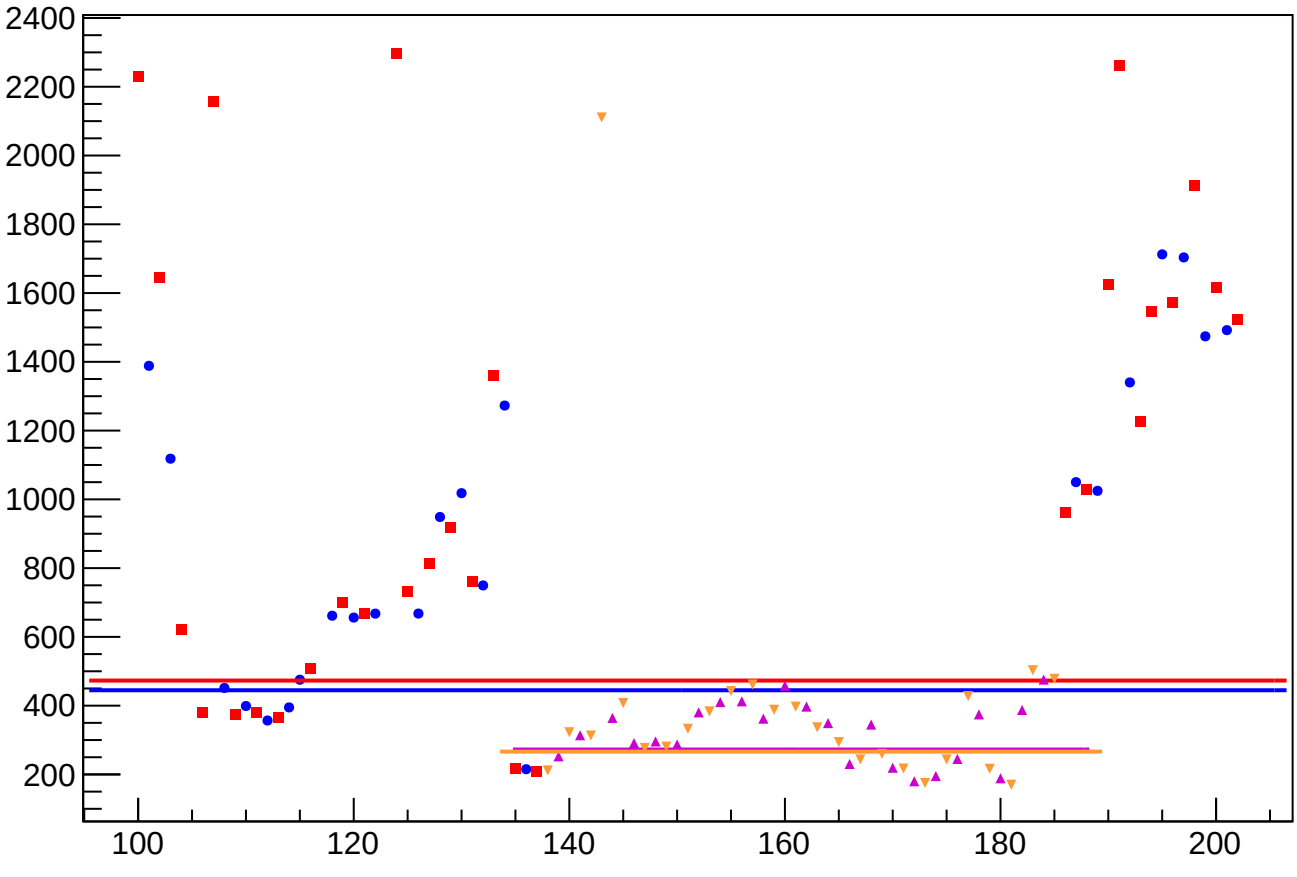
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -54.384+/-114.408 χ^2/NDF: 52.3/51

In: 34.216+/-61.942 χ^2/NDF:46.1/45

Out: -61.064+/-60.329 χ^2/NDF:73.1/53

All: -14.681+/-43.218 χ^2/NDF: 120.4/99



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

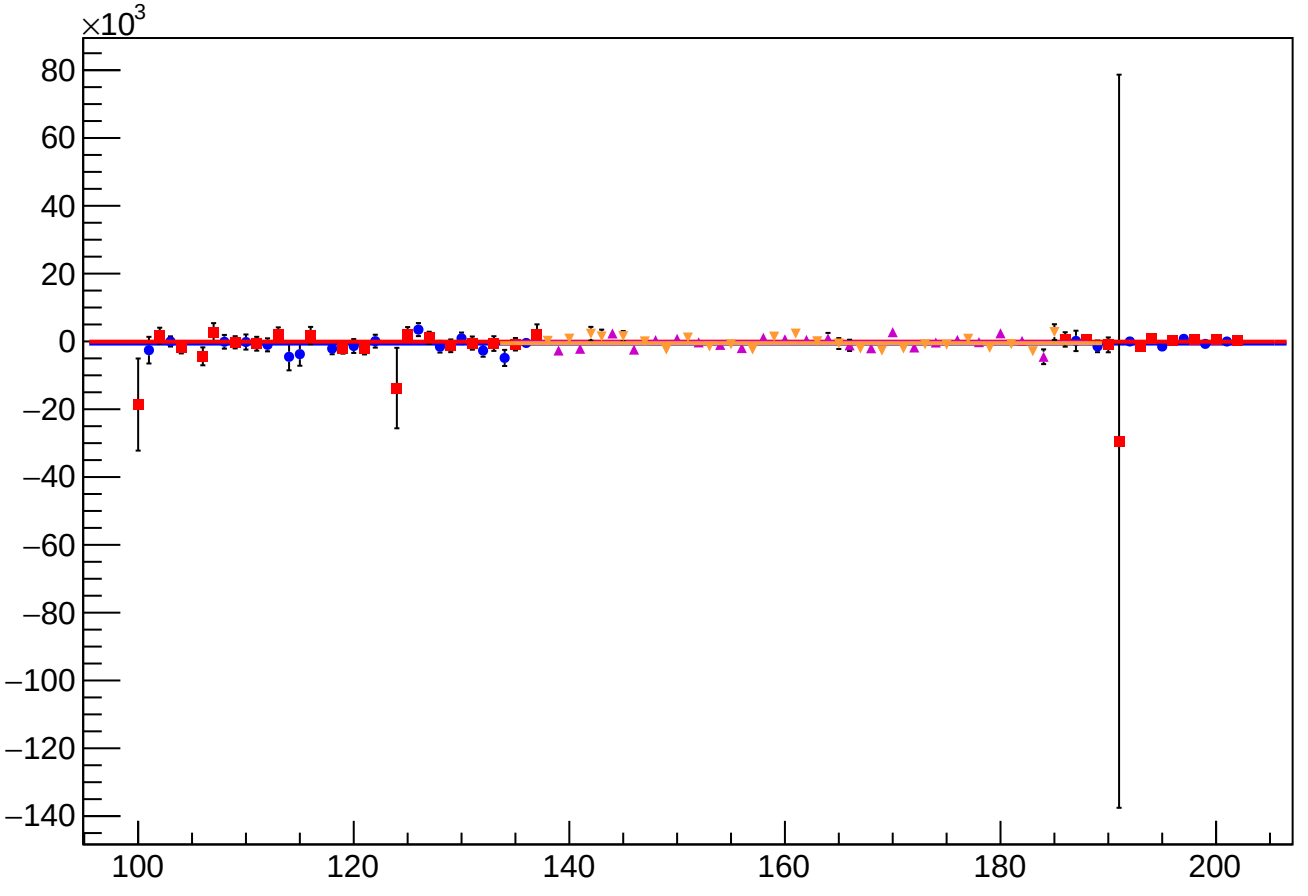
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 459.053+/-0.081 χ^2/NDF: 20176556.6/51

In: 297.445+/-0.044 χ^2/NDF:14156281.5/45

Out: 295.302+/-0.043 χ^2/NDF:18263668.5/53

All: 296.345+/-0.031 χ^2/NDF: 32421178.8/99



Right In: -636.294+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -70.608+/-346.100 χ^2/NDF: 18.7/28

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

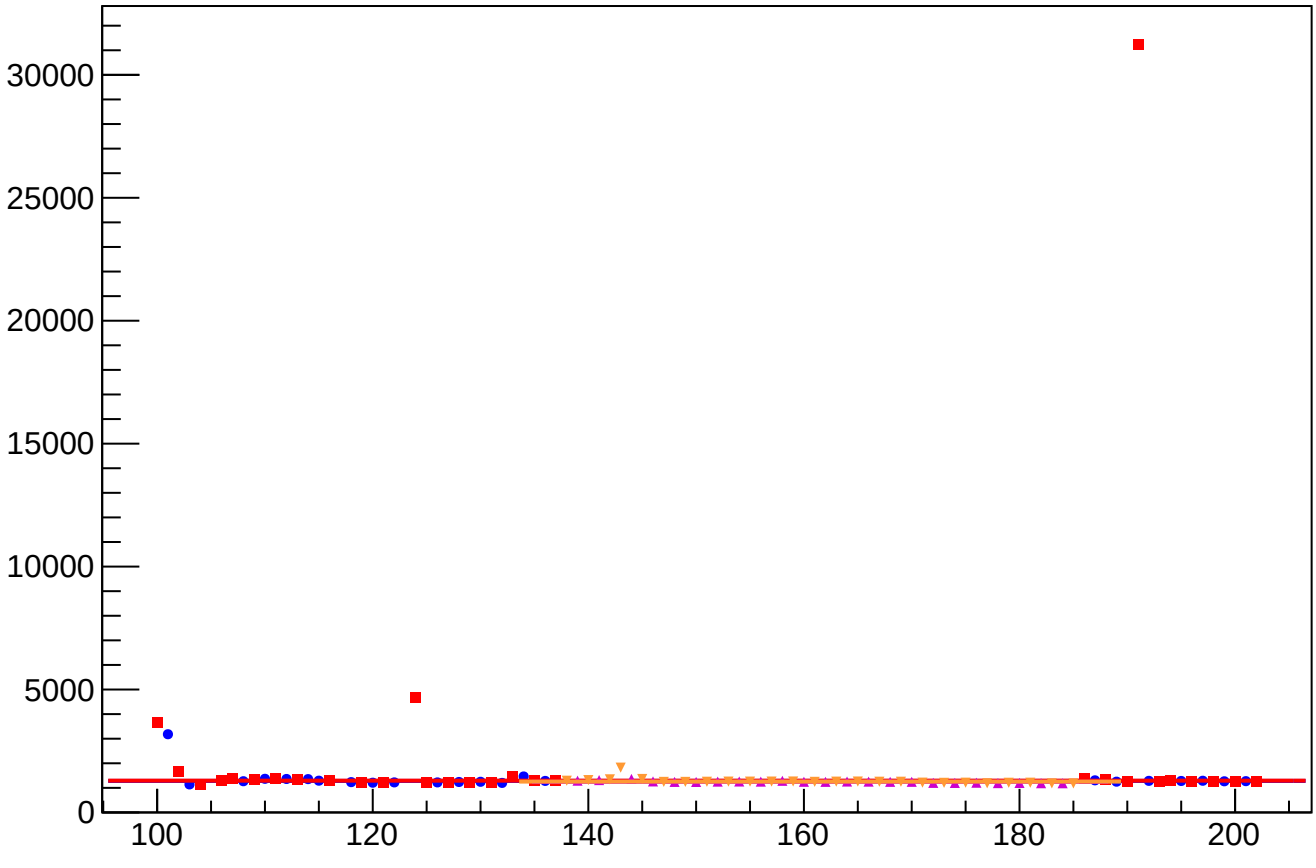
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -335.303+/-252.459 χ^2/NDF: 35.5/51

In: -393.671+/-228.592 χ^2/NDF:48.4/45

Out: -334.381+/-220.441 χ^2/NDF:50.6/53

All: -362.950+/-158.679 χ^2/NDF: 99.0/99



Right In: 1282.377+/-0.261 χ^2/NDF: 519383.3/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

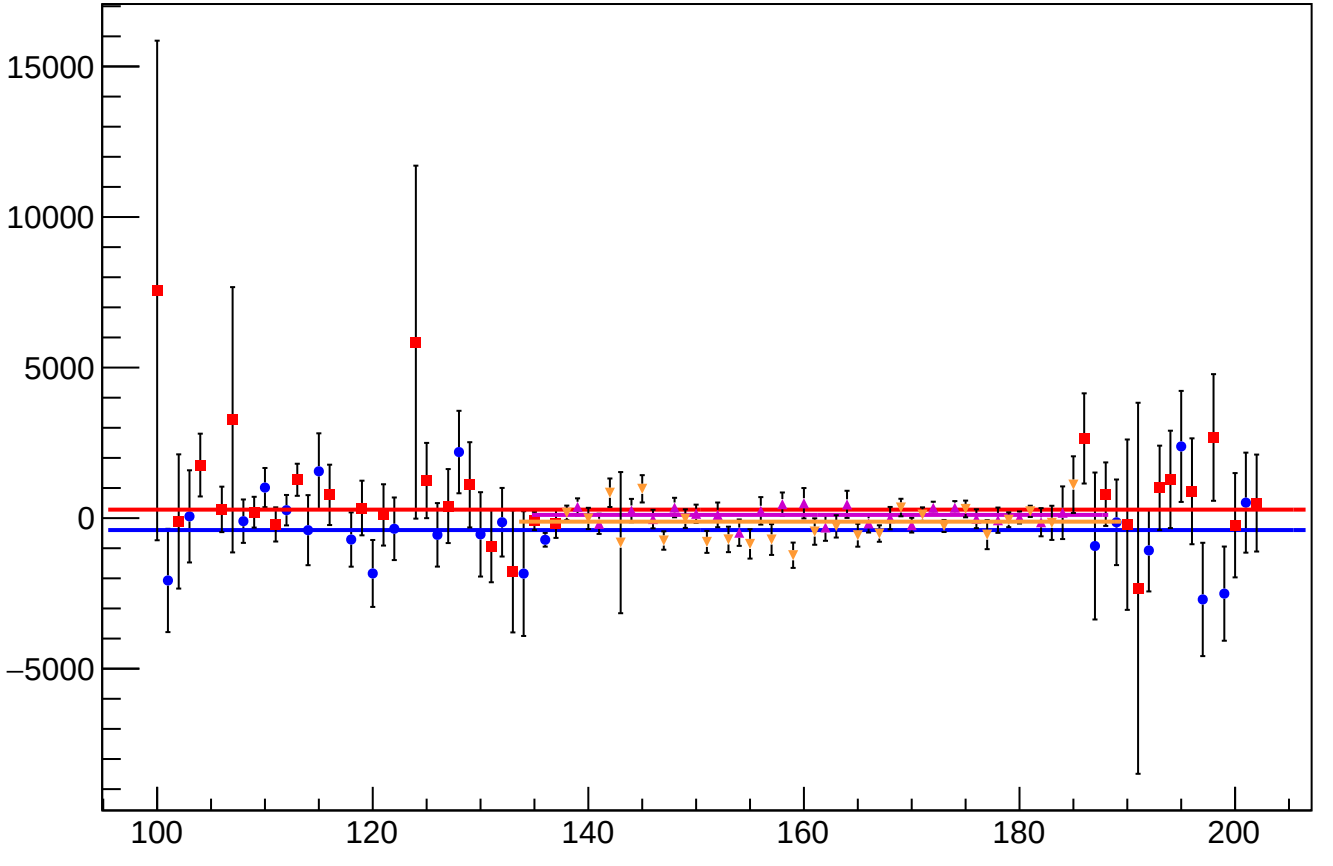
Right: 1288.029+/-0.179 χ^2/NDF: 1011898.0/51

In: 1260.174+/-0.162 χ^2/NDF:570984.0/45

Out: 1270.721+/-0.156 χ^2/NDF:708700.3/53

All: 1265.639+/-0.112 χ^2/NDF: 1281890.3/99

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

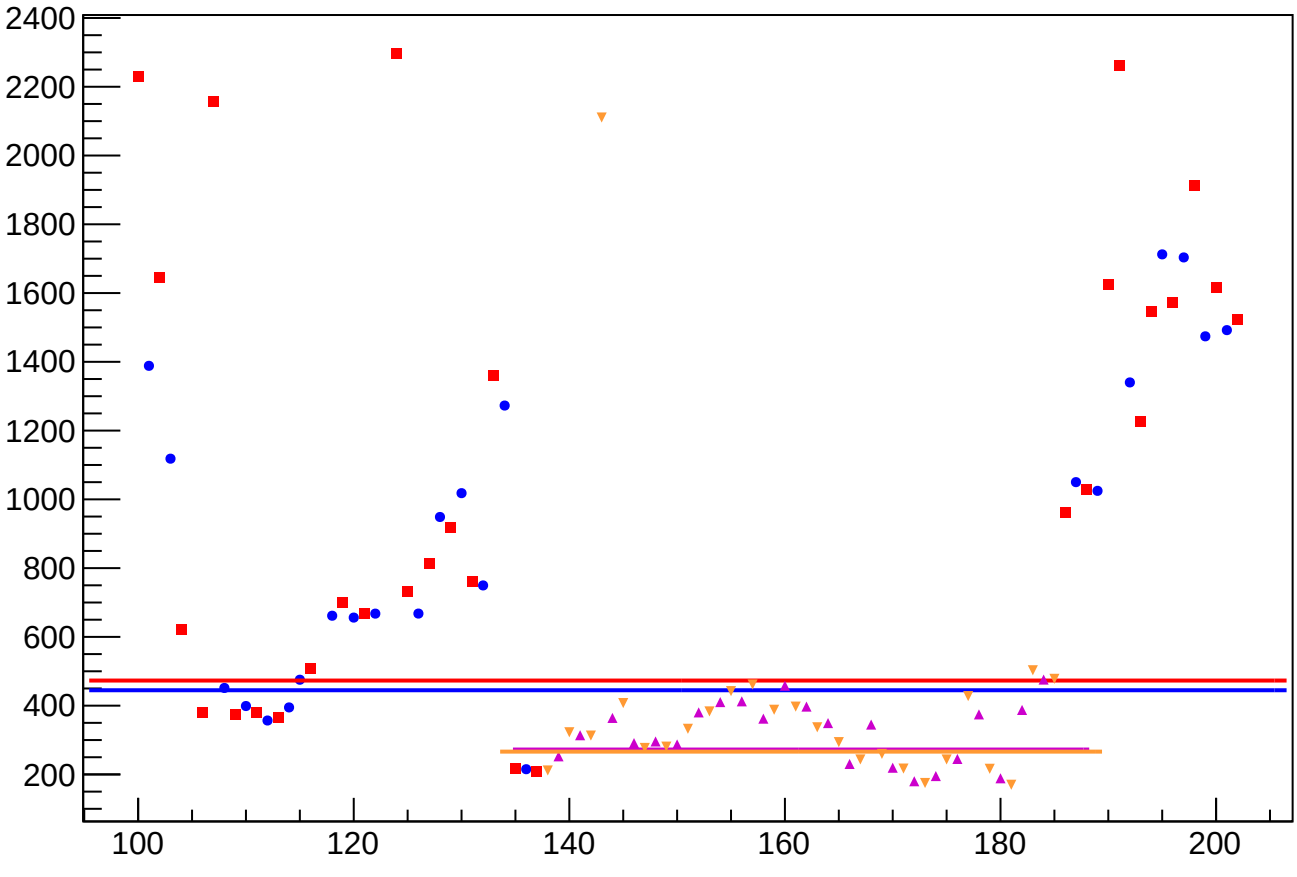
Right: -54.384+/-114.408 χ^2/NDF: 52.3/51

In: 34.216+/-61.942 χ^2/NDF:46.1/45

Out: -61.064+/-60.329 χ^2/NDF:73.1/53

All: -14.681+/-43.218 χ^2/NDF: 120.4/99

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

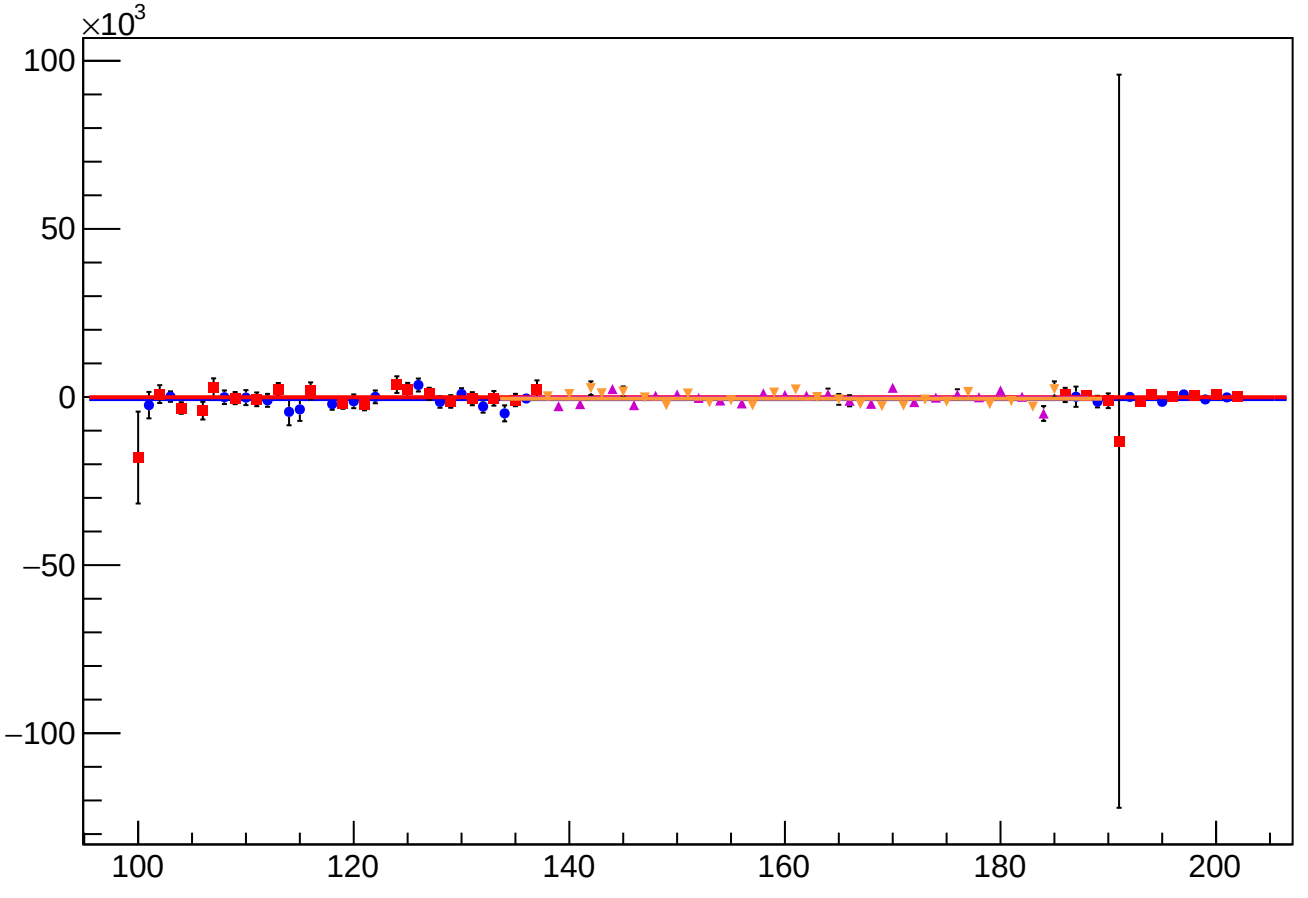
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 459.053+/-0.081 χ^2/NDF: 20176556.6/51

In: 297.445+/-0.044 χ^2/NDF:14156281.5/45

Out: 295.302+/-0.043 χ^2/NDF:18263668.5/53

All: 296.345+/-0.031 χ^2/NDF: 32421178.8/99



Right In: -613.687+/-370.396 χ^2/NDF: 15.6/22

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.717+/-345.093 χ^2/NDF: 20.4/28

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

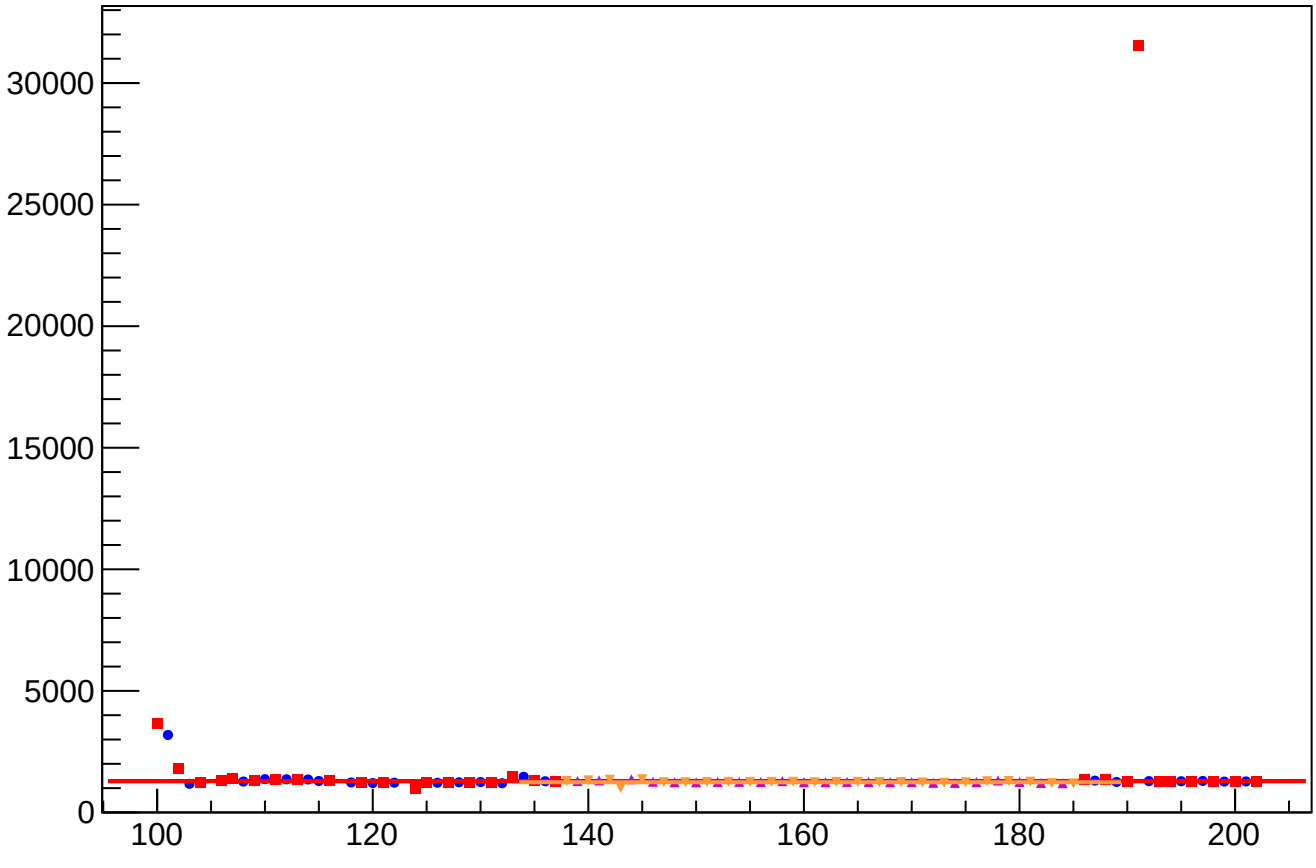
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -319.276+/-252.489 χ^2/NDF: 37.3/51

In: -385.868+/-230.439 χ^2/NDF:46.9/45

Out: -320.841+/-218.704 χ^2/NDF:55.6/53

All: -351.657+/-158.634 χ^2/NDF: 102.6/99



Right In: 1287.141+/-0.262 χ^2/NDF: 510998.8/22

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.1/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

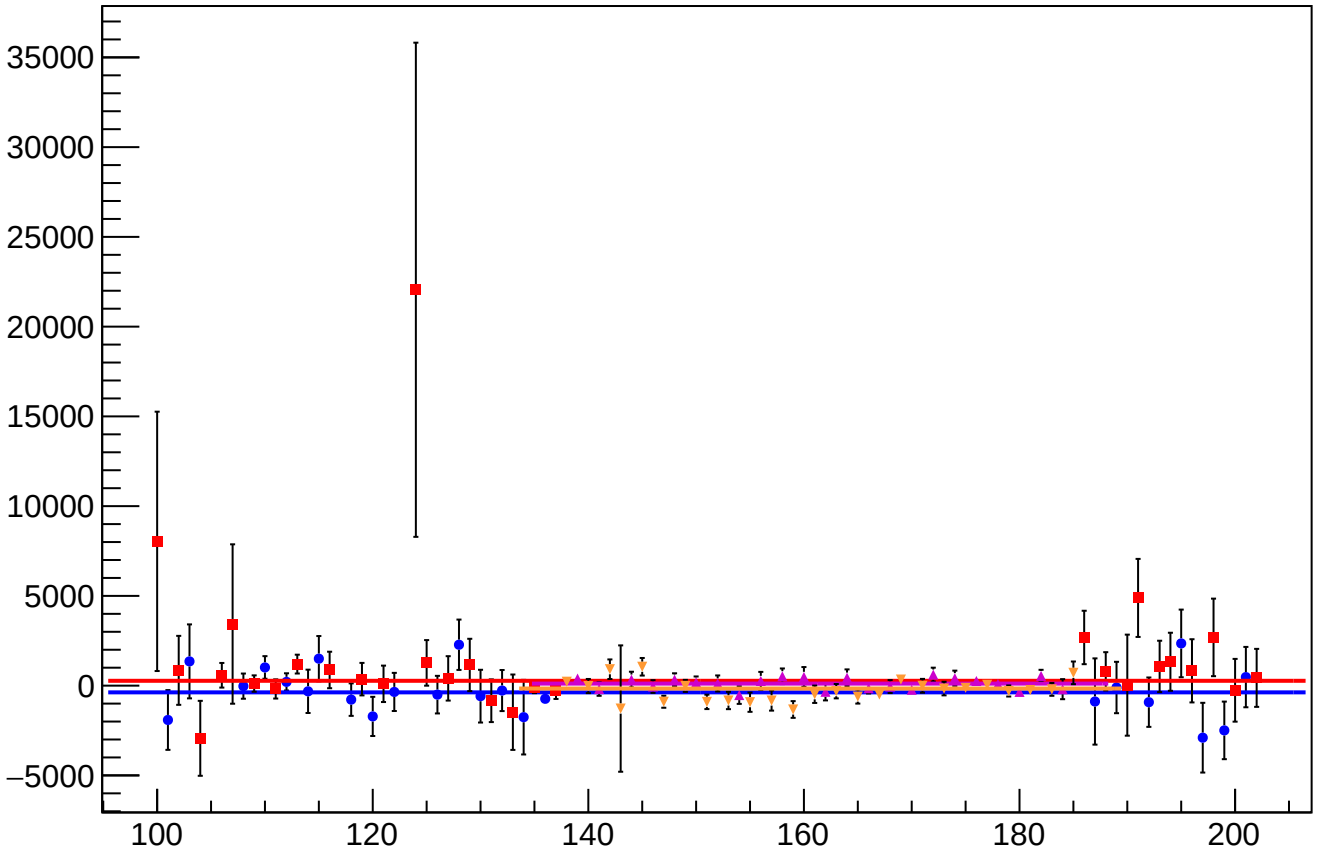
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1288.400+/-0.179 χ^2/NDF: 884442.1/51

In: 1270.563+/-0.163 χ^2/NDF:545467.5/45

Out: 1261.398+/-0.155 χ^2/NDF:525577.3/53

All: 1265.741+/-0.112 χ^2/NDF: 1072709.1/99



Right In: -374.545+/-164.192 χ^2/NDF: 24.5/22

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 269.823+/-161.106 χ^2/NDF: 25.9/28

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

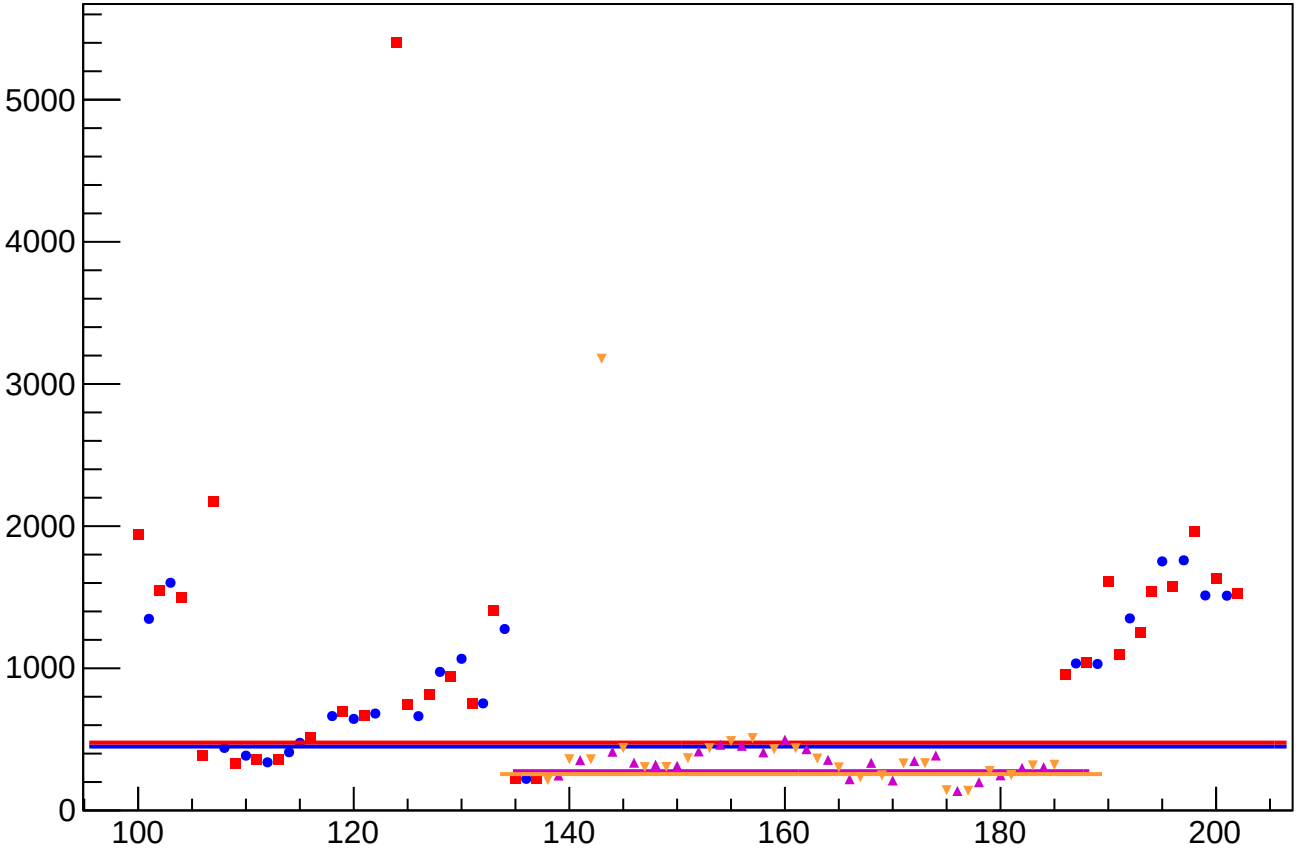
Right: -46.248+/-114.995 χ^2/NDF: 58.2/51

In: 40.723+/-63.486 χ^2/NDF:50.2/45

Out: -102.007+/-59.585 χ^2/NDF:75.8/53

All: -35.162+/-43.447 χ^2/NDF: 128.7/99

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 449.641+/-0.116 χ^2/NDF: 9487579.7/22

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 477.491+/-0.114 χ^2/NDF: 11307249.0/28

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

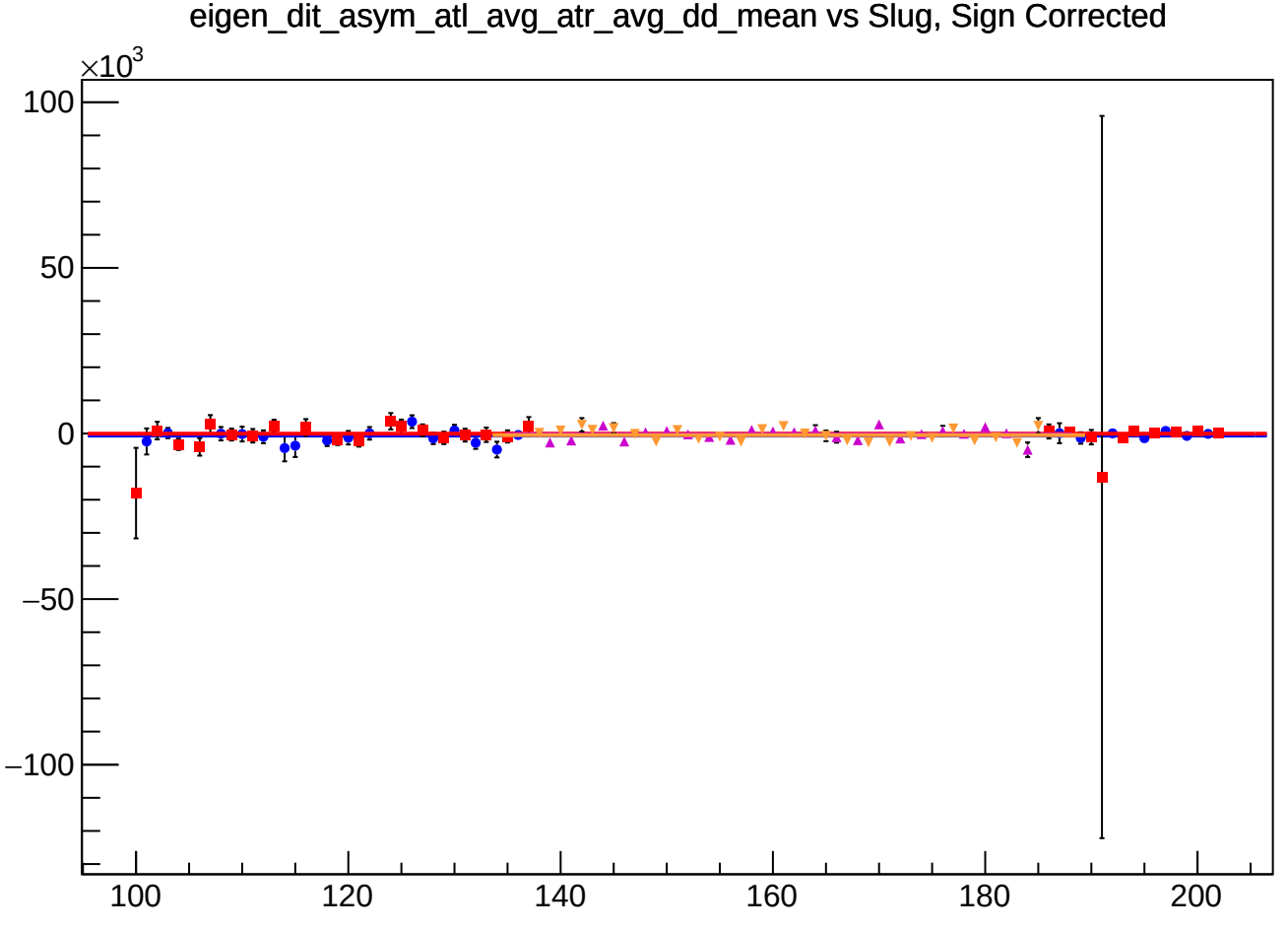
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 463.830+/-0.081 χ^2/NDF: 20824144.1/51

In: 302.214+/-0.045 χ^2/NDF:15410853.1/45

Out: 286.097+/-0.042 χ^2/NDF:20951131.7/53

All: 293.645+/-0.031 χ^2/NDF: 36430510.7/99



Right In: -613.689+/-370.396 χ^2/NDF: 15.6/22

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.716+/-345.093 χ^2/NDF: 20.4/28

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

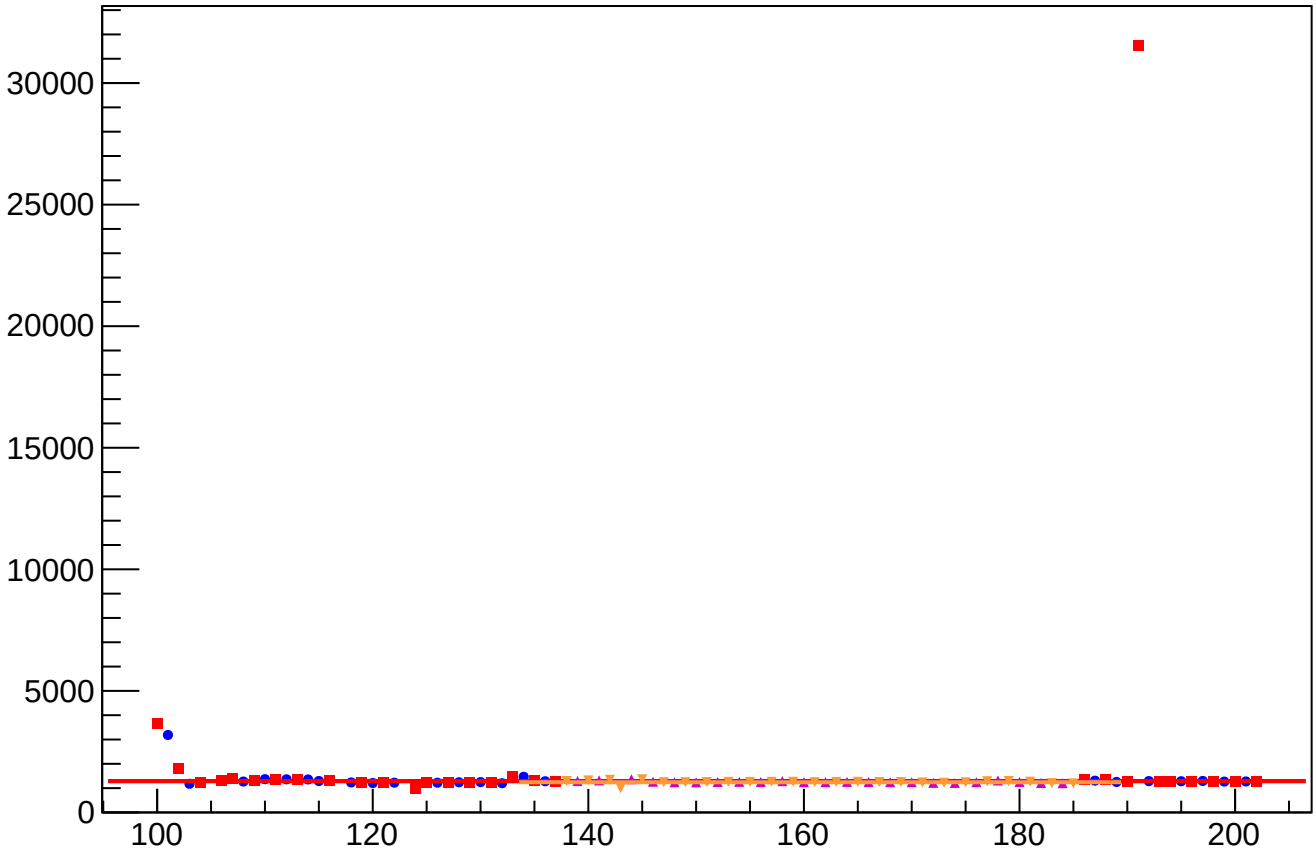
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -319.277+/-252.489 χ^2/NDF: 37.3/51

In: -385.869+/-230.439 χ^2/NDF:46.9/45

Out: -320.840+/-218.704 χ^2/NDF:55.6/53

All: -351.657+/-158.634 χ^2/NDF: 102.6/99



Right In: 1287.141+/-0.262 χ^2/NDF: 510998.8/22

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.3/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

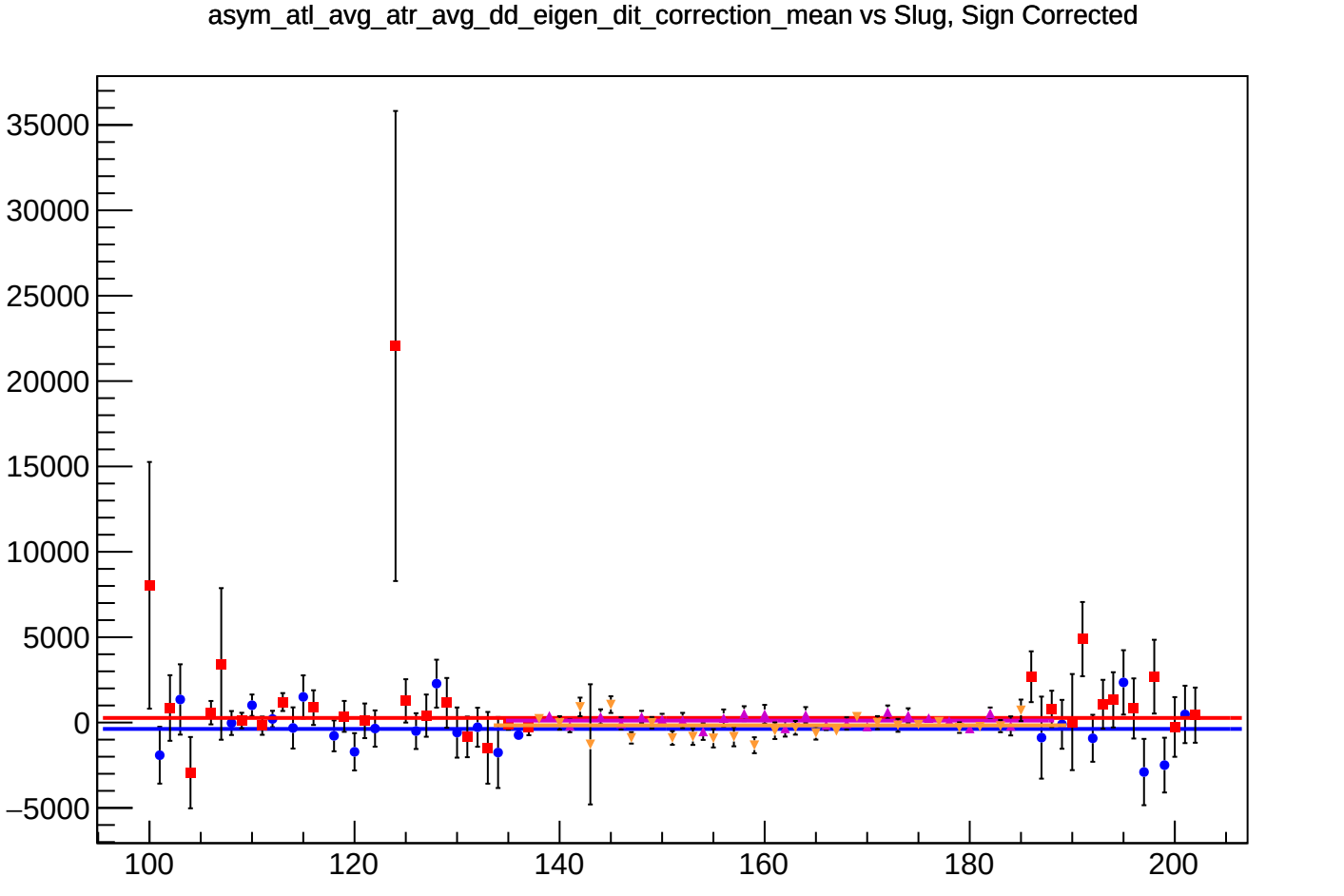
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1288.400+/-0.179 χ^2/NDF: 884442.3/51

In: 1270.563+/-0.163 χ^2/NDF:545467.6/45

Out: 1261.398+/-0.155 χ^2/NDF:525576.6/53

All: 1265.741+/-0.112 χ^2/NDF: 1072708.5/99



Right In: -374.546+/-164.195 χ^2/NDF: 24.5/22

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 269.831+/-161.108 χ^2/NDF: 25.9/28

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

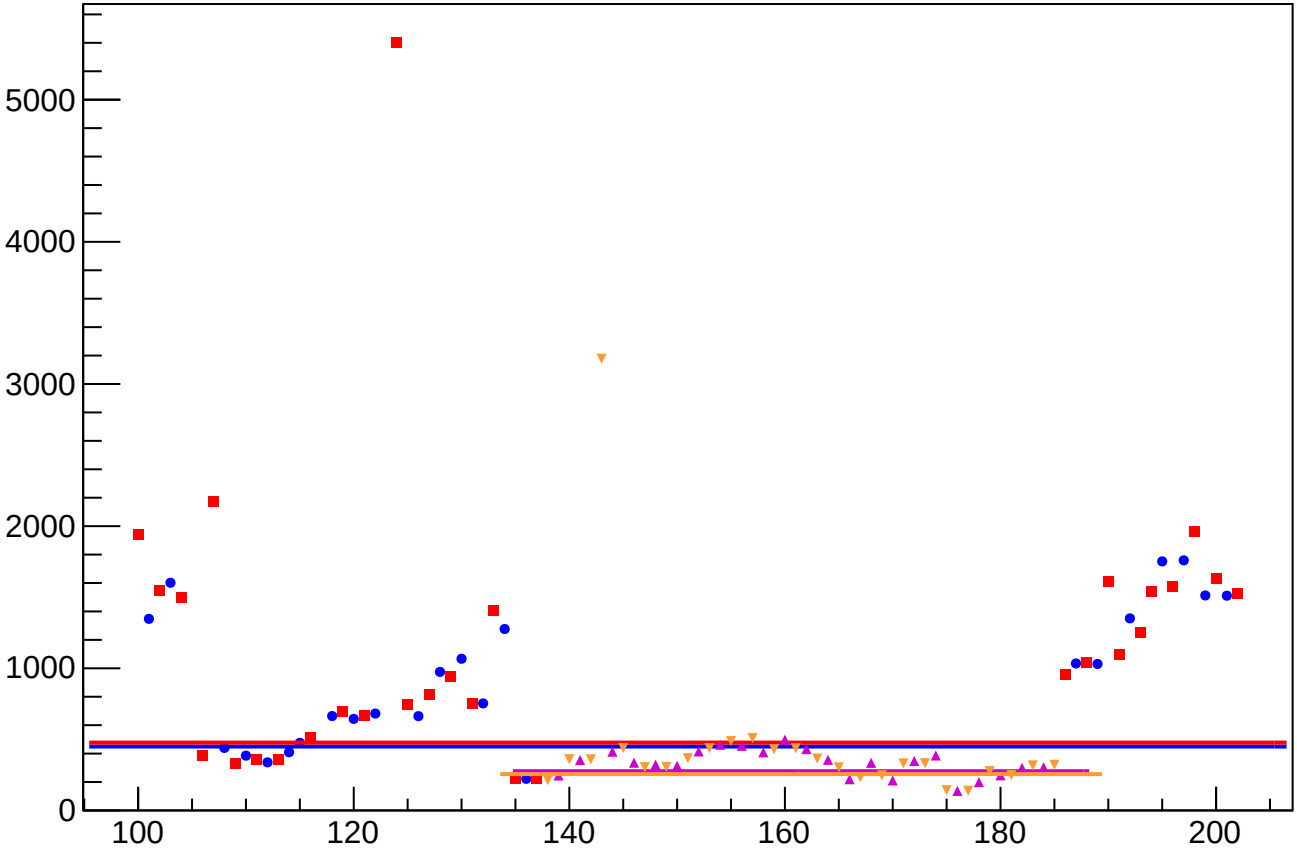
Right: -46.244+/-114.997 χ^2/NDF: 58.2/51

In: 40.724+/-63.487 χ^2/NDF:50.2/45

Out: -102.010+/-59.585 χ^2/NDF:75.8/53

All: -35.163+/-43.447 χ^2/NDF: 128.7/99

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 449.653+/-0.116 χ^2/NDF: 9487298.5/22

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 477.500+/-0.114 χ^2/NDF: 11306999.8/28

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

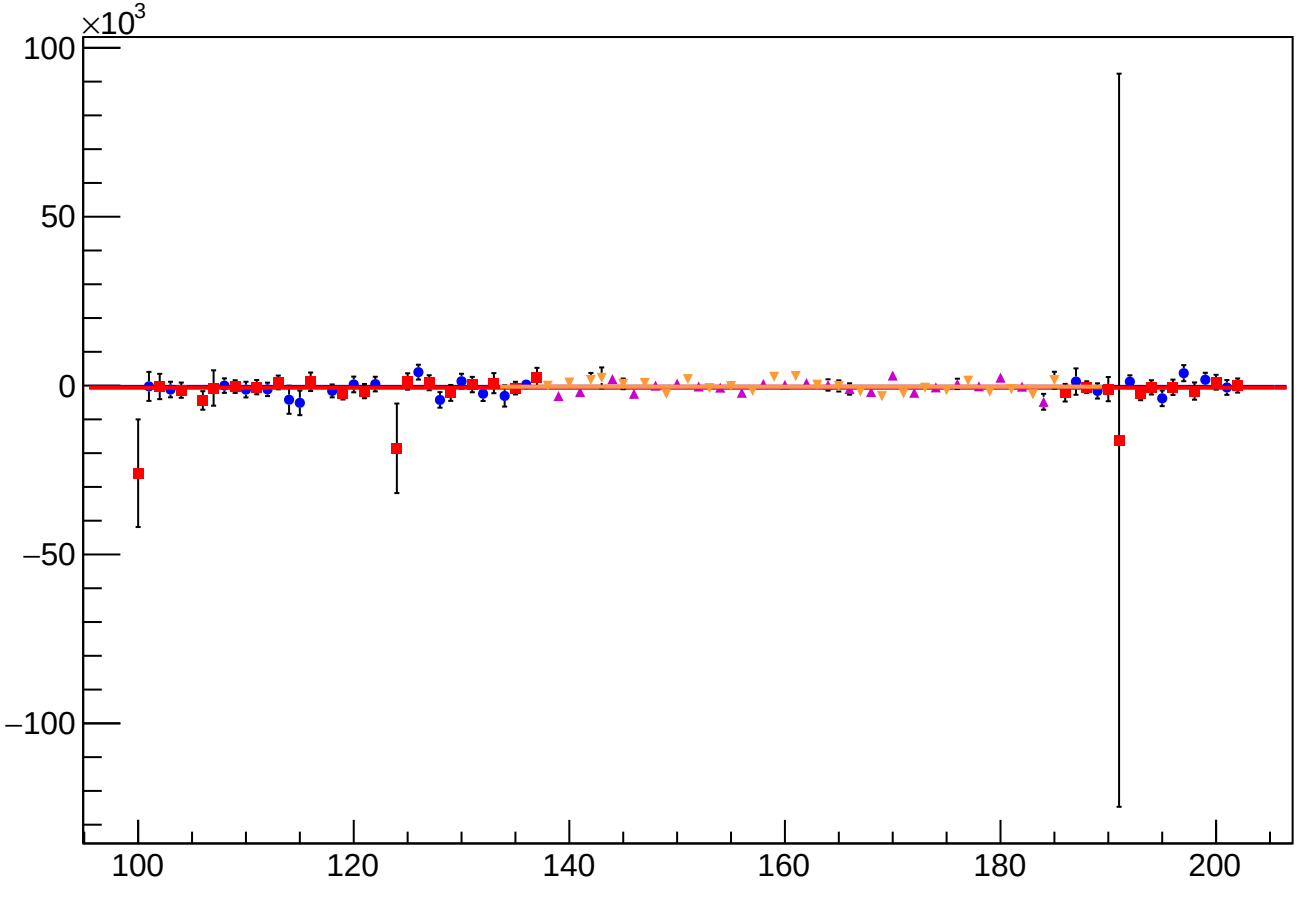
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 463.840+/-0.081 χ^2/NDF: 20823608.3/51

In: 302.215+/-0.045 χ^2/NDF:15410720.5/45

Out: 286.099+/-0.042 χ^2/NDF:20950946.7/53

All: 293.647+/-0.031 χ^2/NDF: 36430188.5/99



Right In: -375.615+/-471.917 χ^2/NDF: 19.9/22

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -636.563+/-451.010 χ^2/NDF: 13.2/28

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

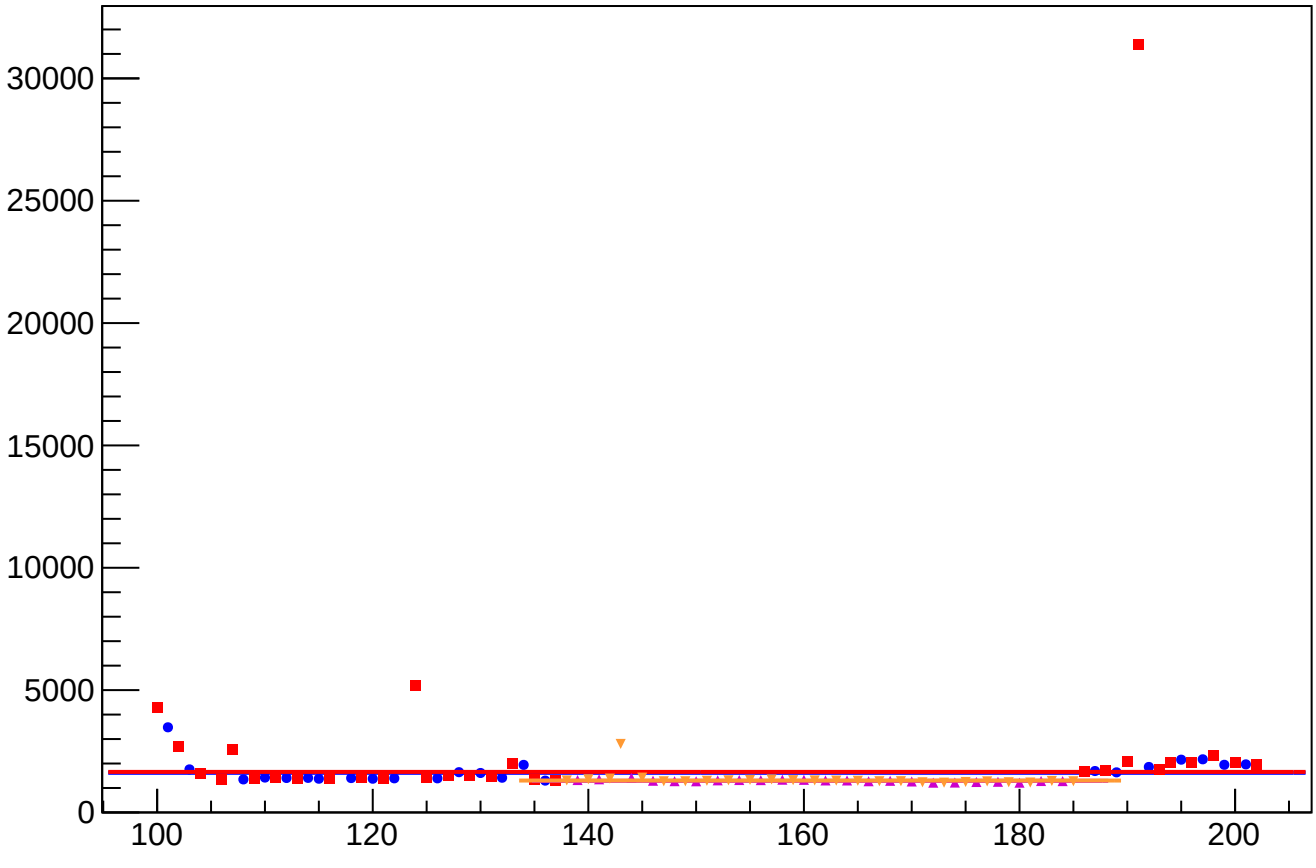
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -511.997+/-326.053 χ^2/NDF: 33.2/51

In: -361.971+/-254.314 χ^2/NDF:49.6/45

Out: -416.147+/-248.786 χ^2/NDF:45.1/53

All: -389.654+/-177.841 χ^2/NDF: 94.7/99



Right In: 1620.046+/-0.334 χ^2/NDF: 1047153.6/22

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1657.593+/-0.319 χ^2/NDF: 1347719.7/28

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

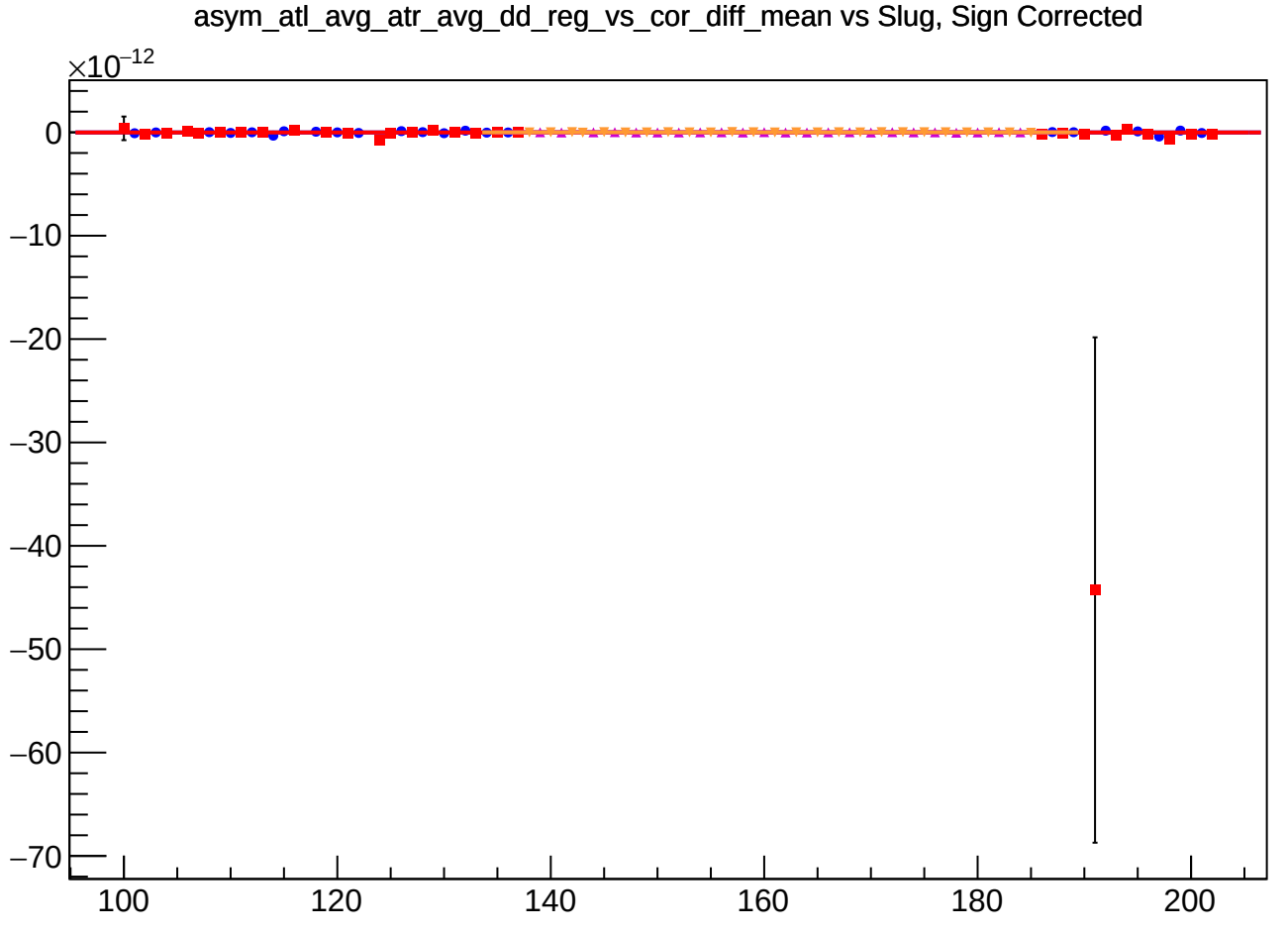
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1639.669+/-0.231 χ^2/NDF: 2401490.2/51

In: 1387.355+/-0.180 χ^2/NDF:1780748.7/45

Out: 1411.702+/-0.176 χ^2/NDF:2721830.8/53

All: 1399.796+/-0.126 χ^2/NDF: 4511946.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/28

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

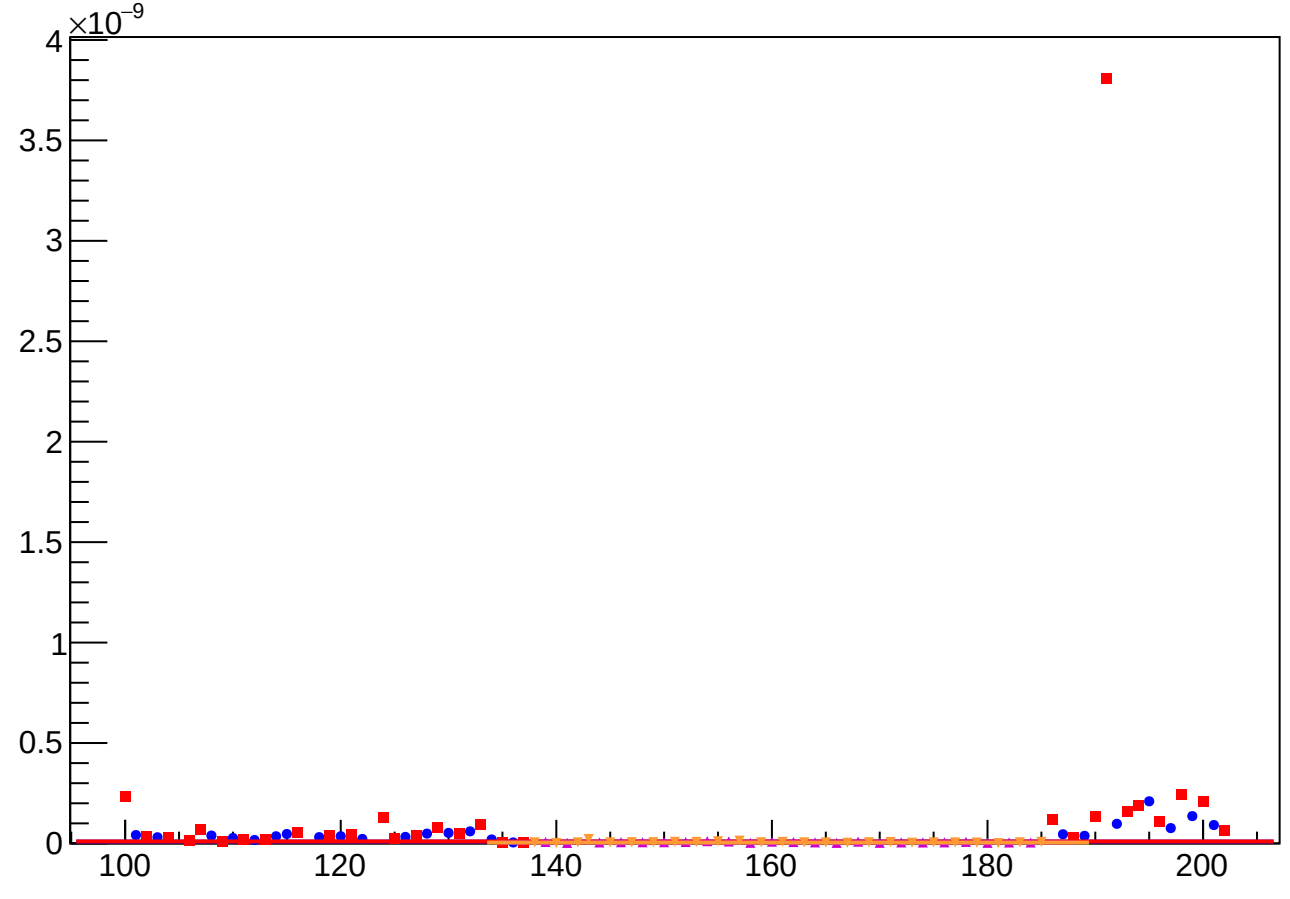
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 52.5/51

In: -0.000+/-0.000 χ^2/NDF:47.7/45

Out: -0.000+/-0.000 χ^2/NDF:64.0/53

All: -0.000+/-0.000 χ^2/NDF: 112.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 5761631.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8083906.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

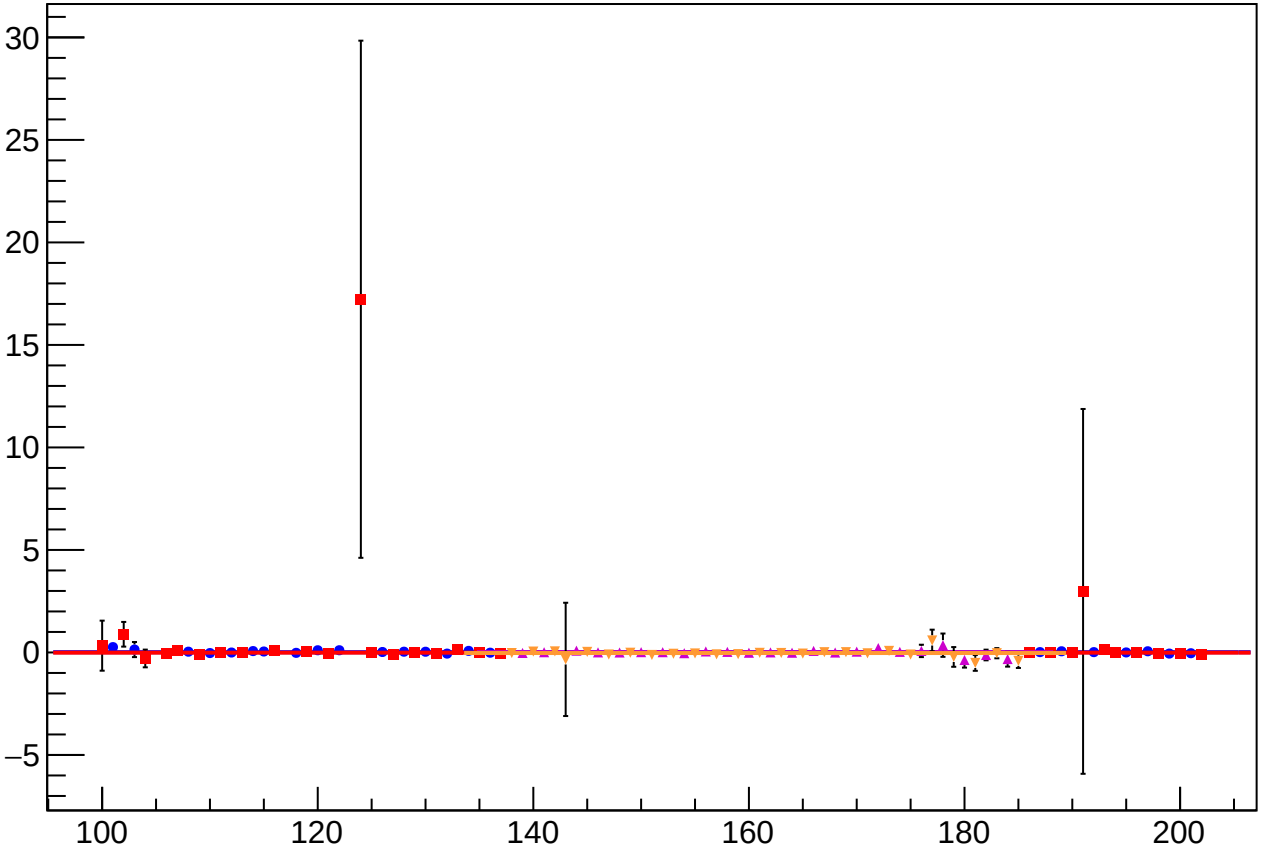
Right: 0.000+/-0.000 χ^2/NDF: 13853091.7/51

In: 0.000+/-0.000 χ^2/NDF:8322126.7/45

Out: 0.000+/-0.000 χ^2/NDF:11674554.7/53

All: 0.000+/-0.000 χ^2/NDF: 20022237.6/99

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

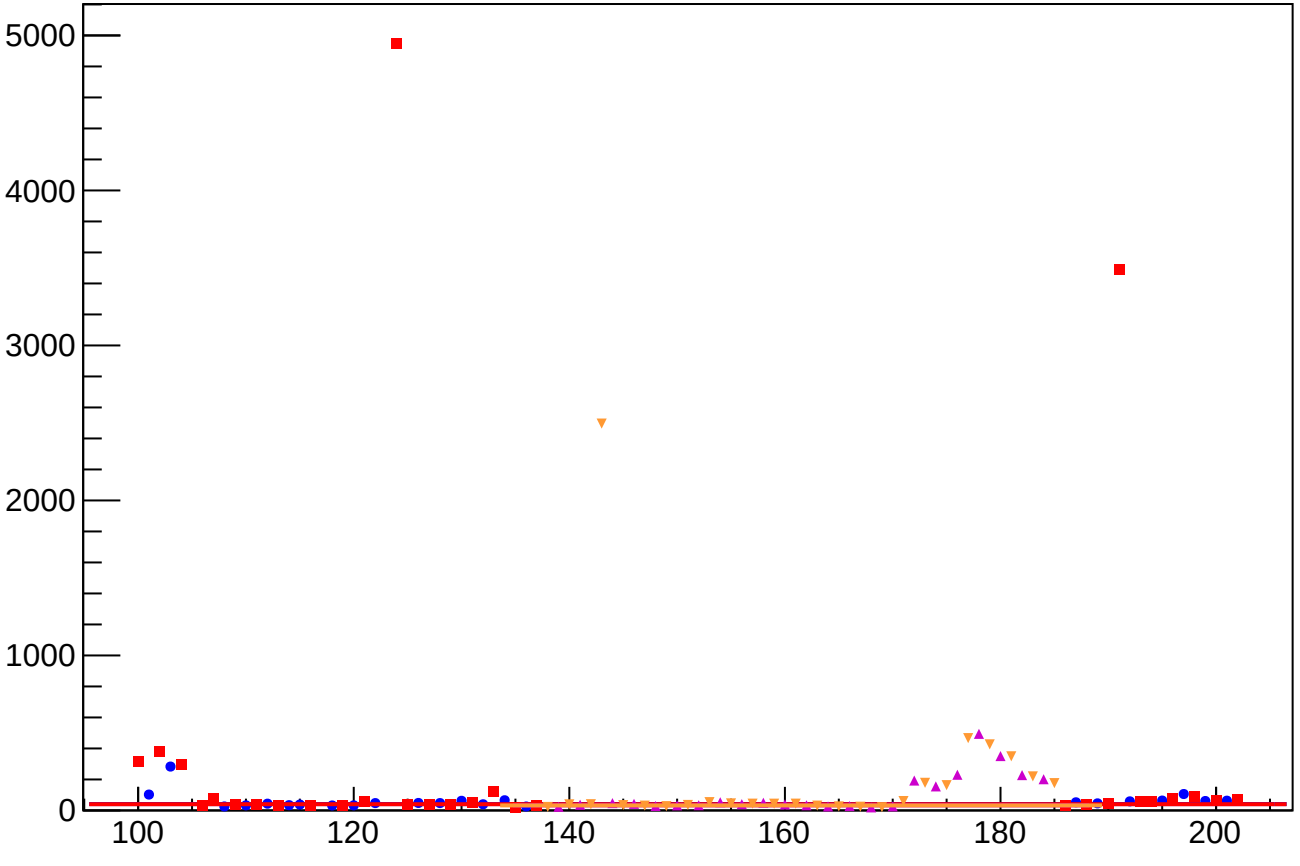
Right: 0.001+/-0.009 χ^2/NDF: 37.5/51

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/99

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.224+/-0.010 χ^2/NDF: 3820893.4/22

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

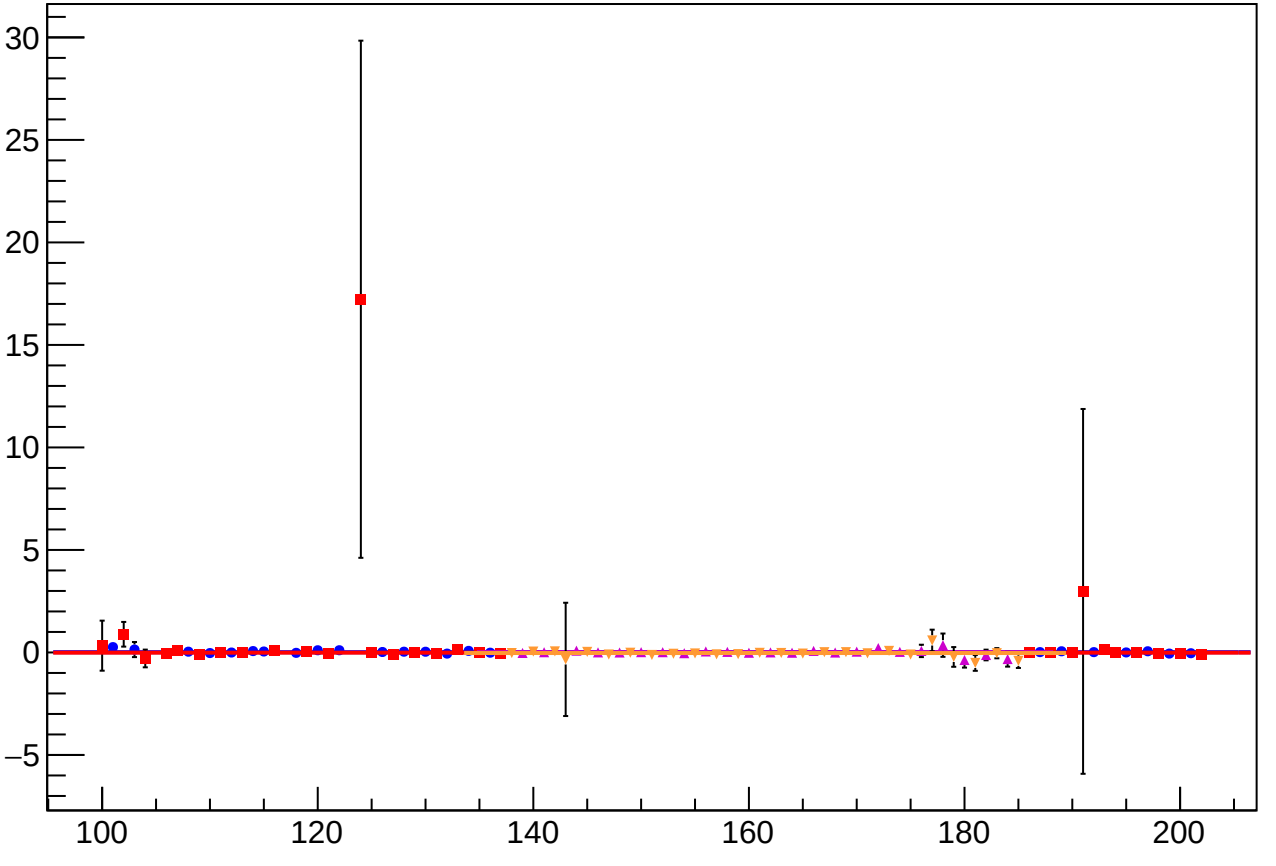
Right: 40.714+/-0.007 χ^2/NDF: 9084405.1/51

In: 35.504+/-0.006 χ^2/NDF:13304164.5/45

Out: 35.341+/-0.005 χ^2/NDF:16606068.8/53

All: 35.420+/-0.004 χ^2/NDF: 29910680.1/99

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

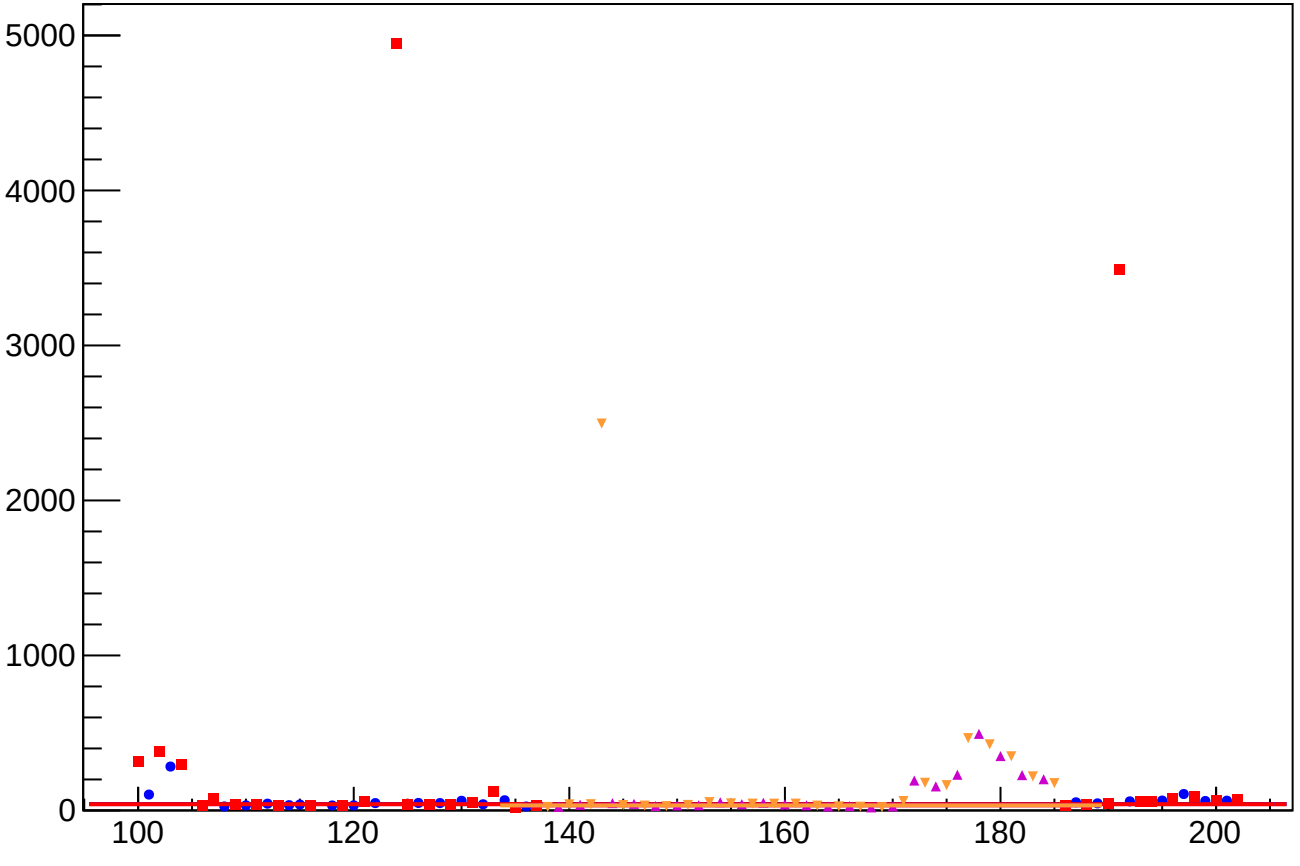
Right: 0.001+/-0.009 χ^2/NDF: 37.5/51

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/99

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.224+/-0.010 χ^2/NDF: 3820893.4/22

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

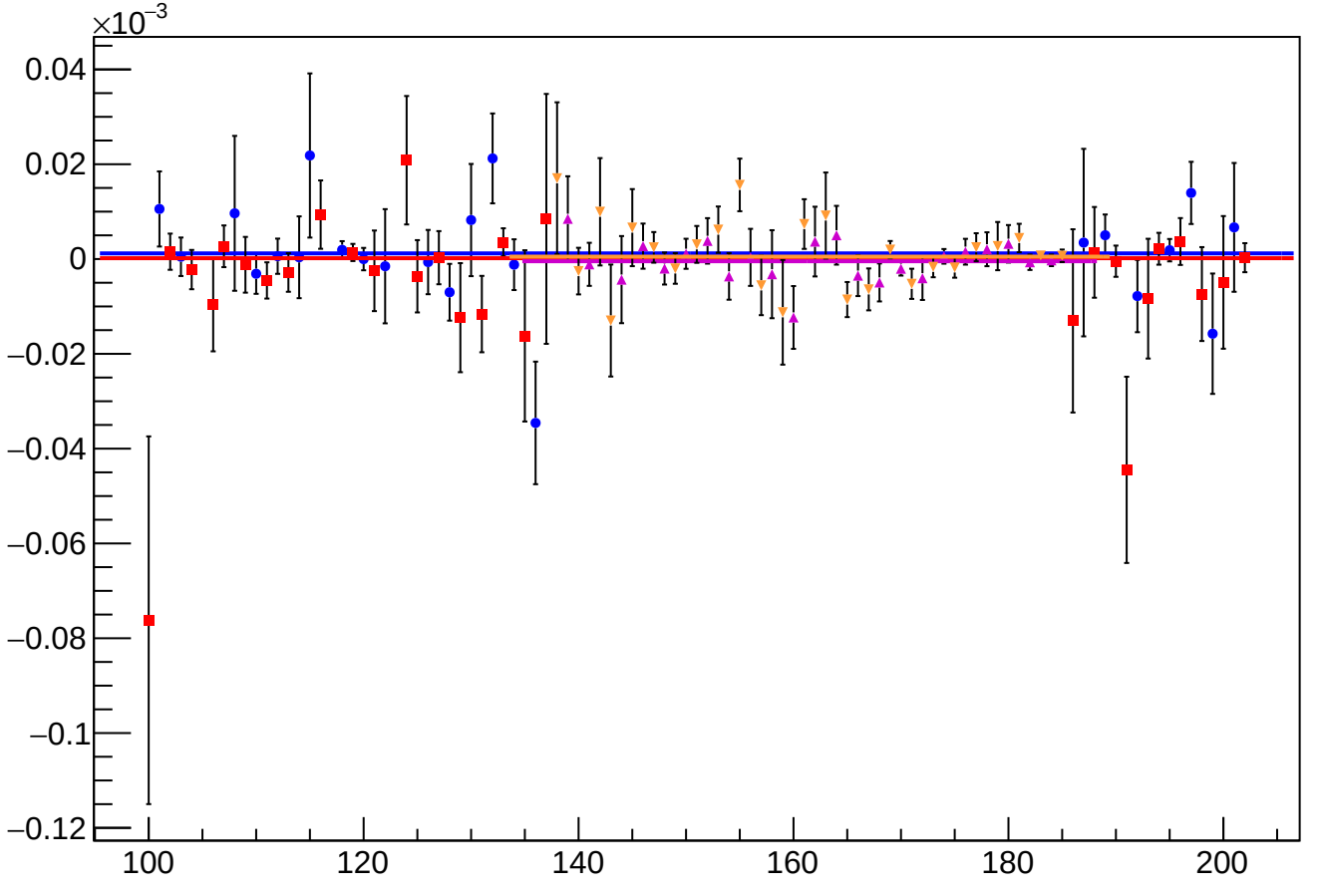
Right: 40.714+/-0.007 χ^2/NDF: 9084405.1/51

In: 35.504+/-0.006 χ^2/NDF:13304164.5/45

Out: 35.341+/-0.005 χ^2/NDF:16606068.8/53

All: 35.420+/-0.004 χ^2/NDF: 29910680.1/99

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/28

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

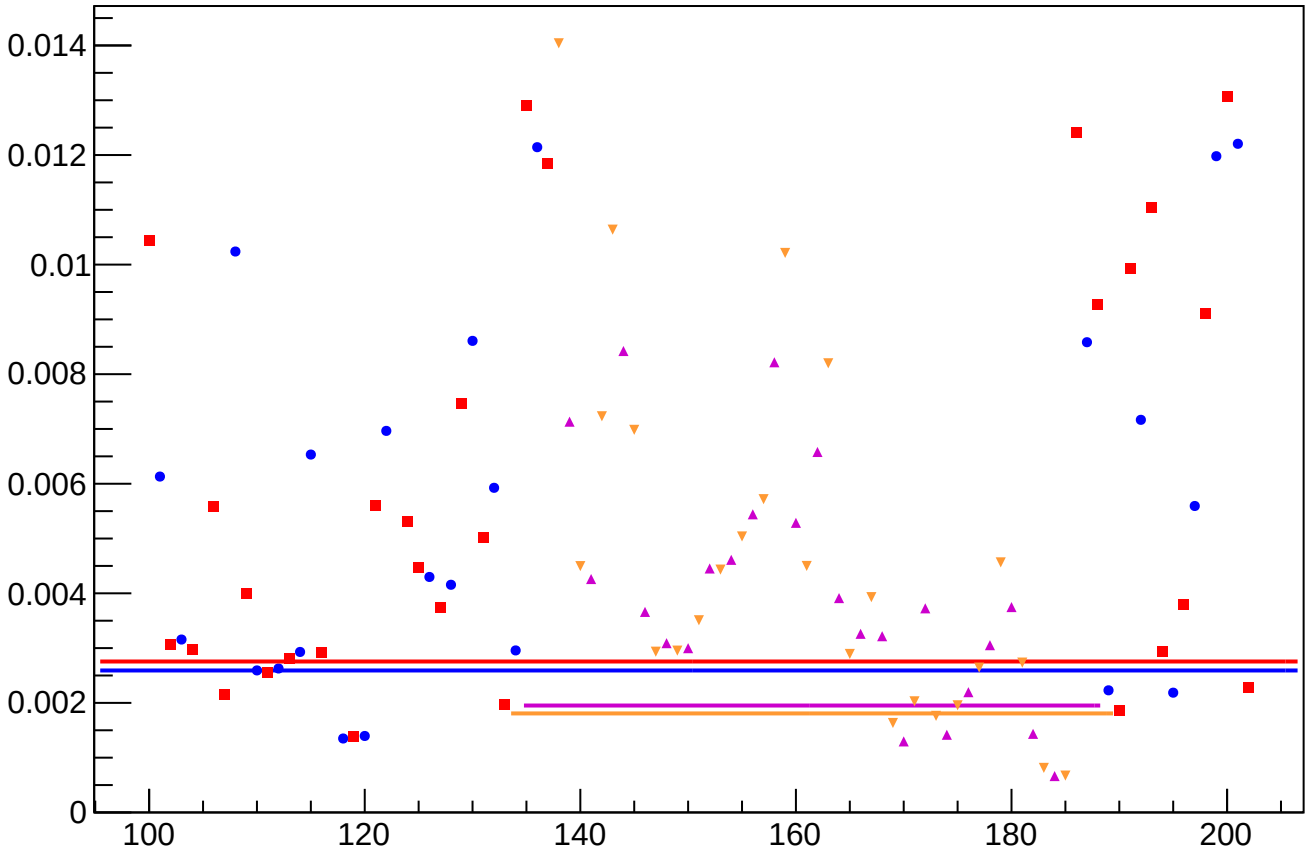
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.7/51

In: -0.000+/-0.000 χ^2/NDF:43.1/45

Out: 0.000+/-0.000 χ^2/NDF:61.6/53

All: 0.000+/-0.000 χ^2/NDF: 105.1/99



Right In: 0.003+/-0.000 χ^2/NDF: 8292286.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8251766.8/28

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

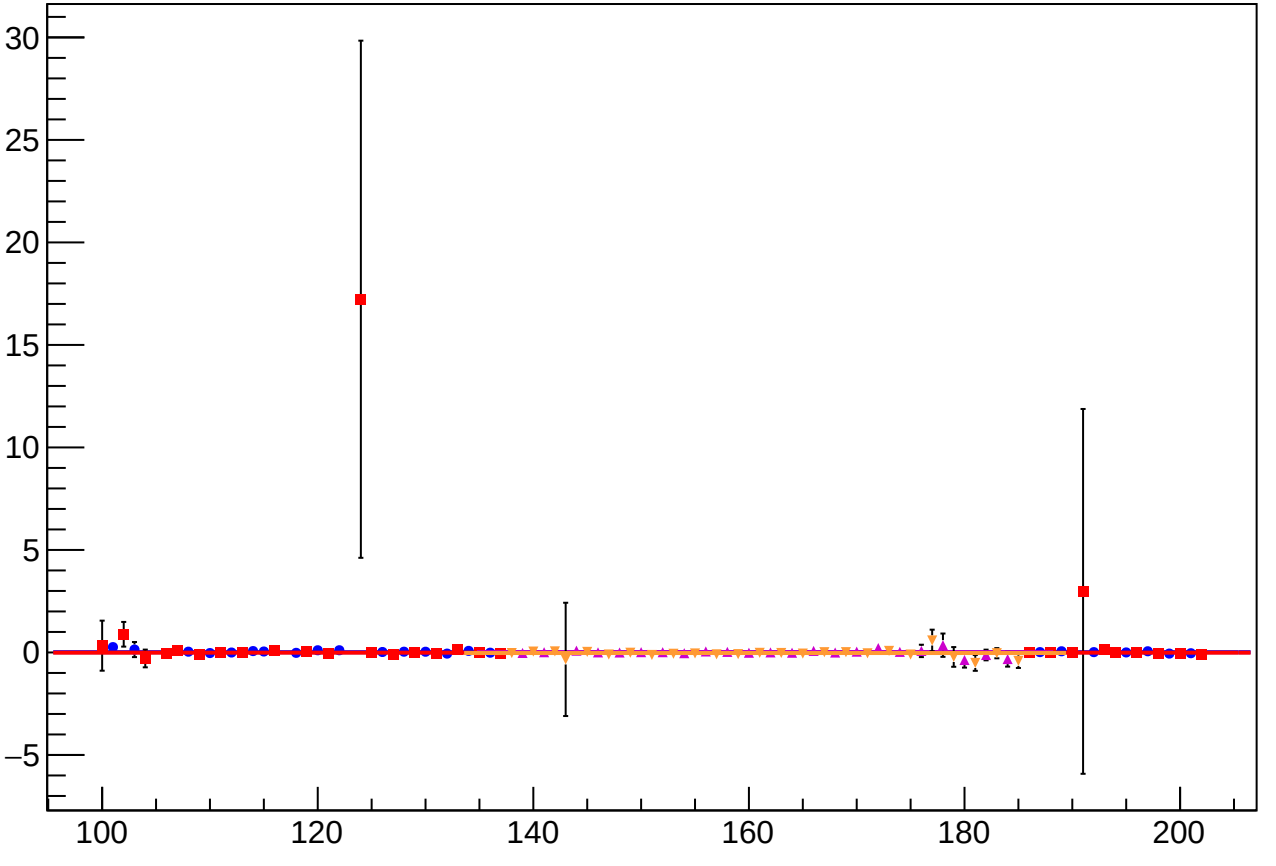
Right: 0.003+/-0.000 χ^2/NDF: 16575519.7/51

In: 0.002+/-0.000 χ^2/NDF:20424434.1/45

Out: 0.002+/-0.000 χ^2/NDF:24827432.4/53

All: 0.002+/-0.000 χ^2/NDF: 45268978.4/99

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

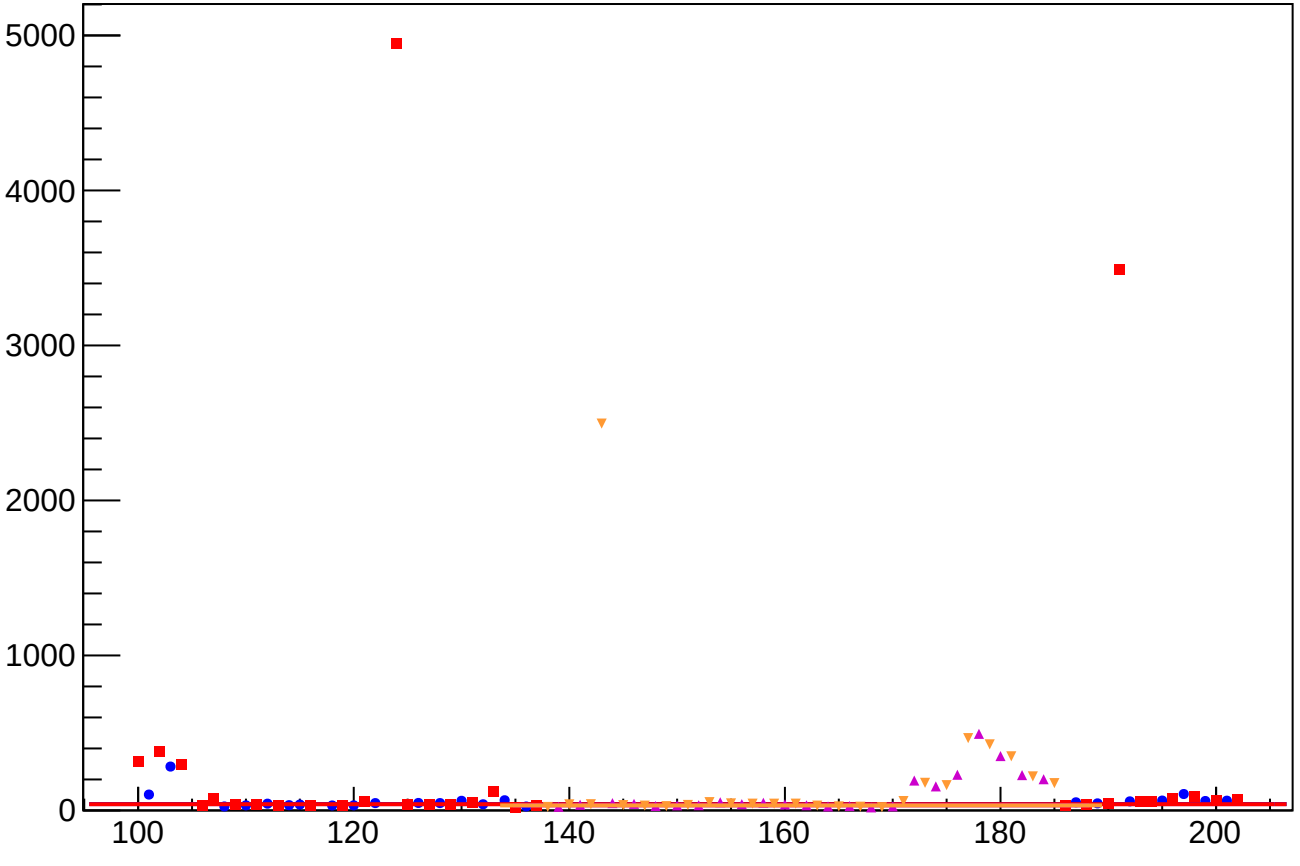
Right: 0.001+/-0.009 χ^2/NDF: 37.5/51

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/99

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

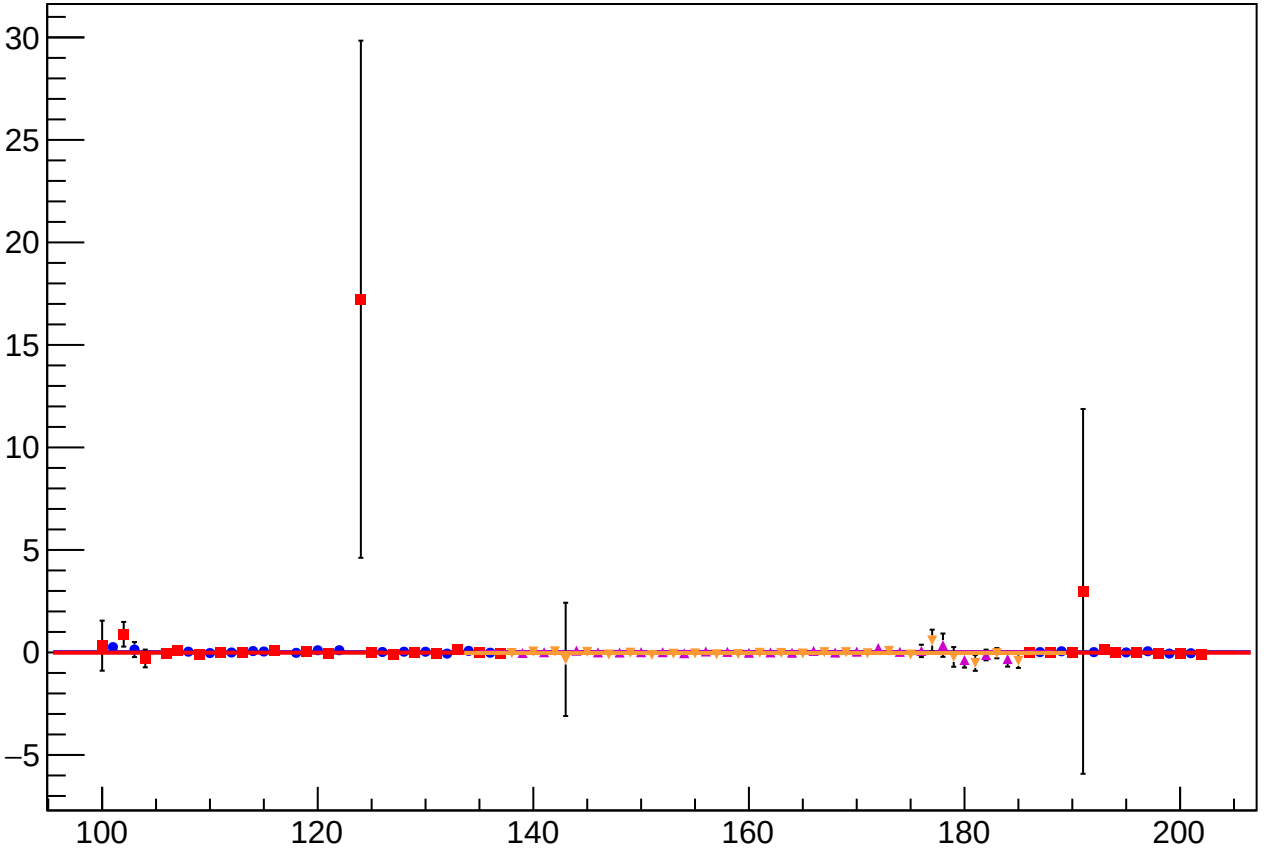
Right: 40.715+/-0.007 χ^2/NDF: 9083749.0/51

In: 35.503+/-0.006 χ^2/NDF:13304677.1/45

Out: 35.341+/-0.005 χ^2/NDF:16606161.6/53

All: 35.420+/-0.004 χ^2/NDF: 29911282.6/99

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

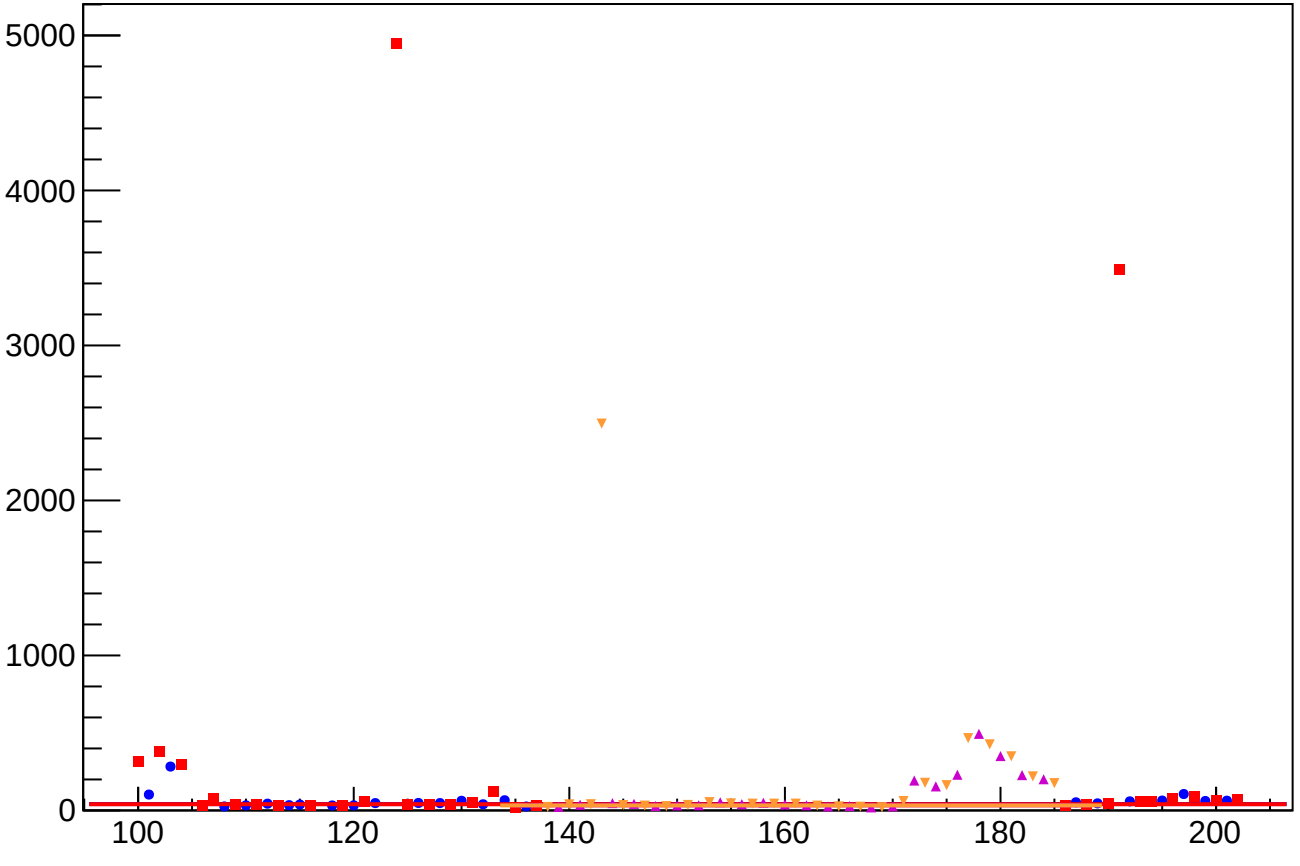
Right: 0.001+/-0.009 χ^2/NDF: 37.5/51

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/99

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

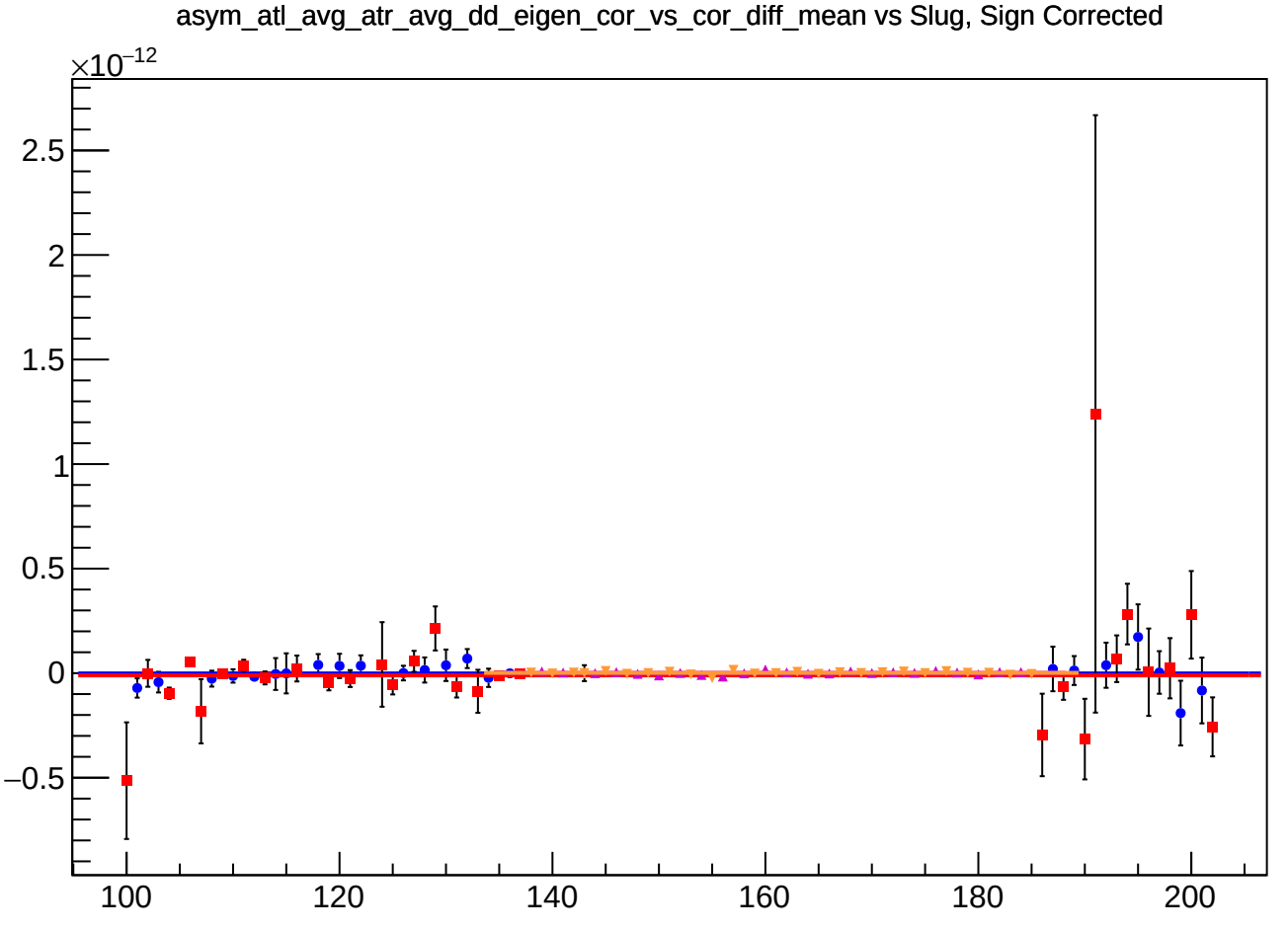
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.715+/-0.007 χ^2/NDF: 9083749.0/51

In: 35.503+/-0.006 χ^2/NDF:13304677.1/45

Out: 35.341+/-0.005 χ^2/NDF:16606161.6/53

All: 35.420+/-0.004 χ^2/NDF: 29911282.6/99



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 55.5/28

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

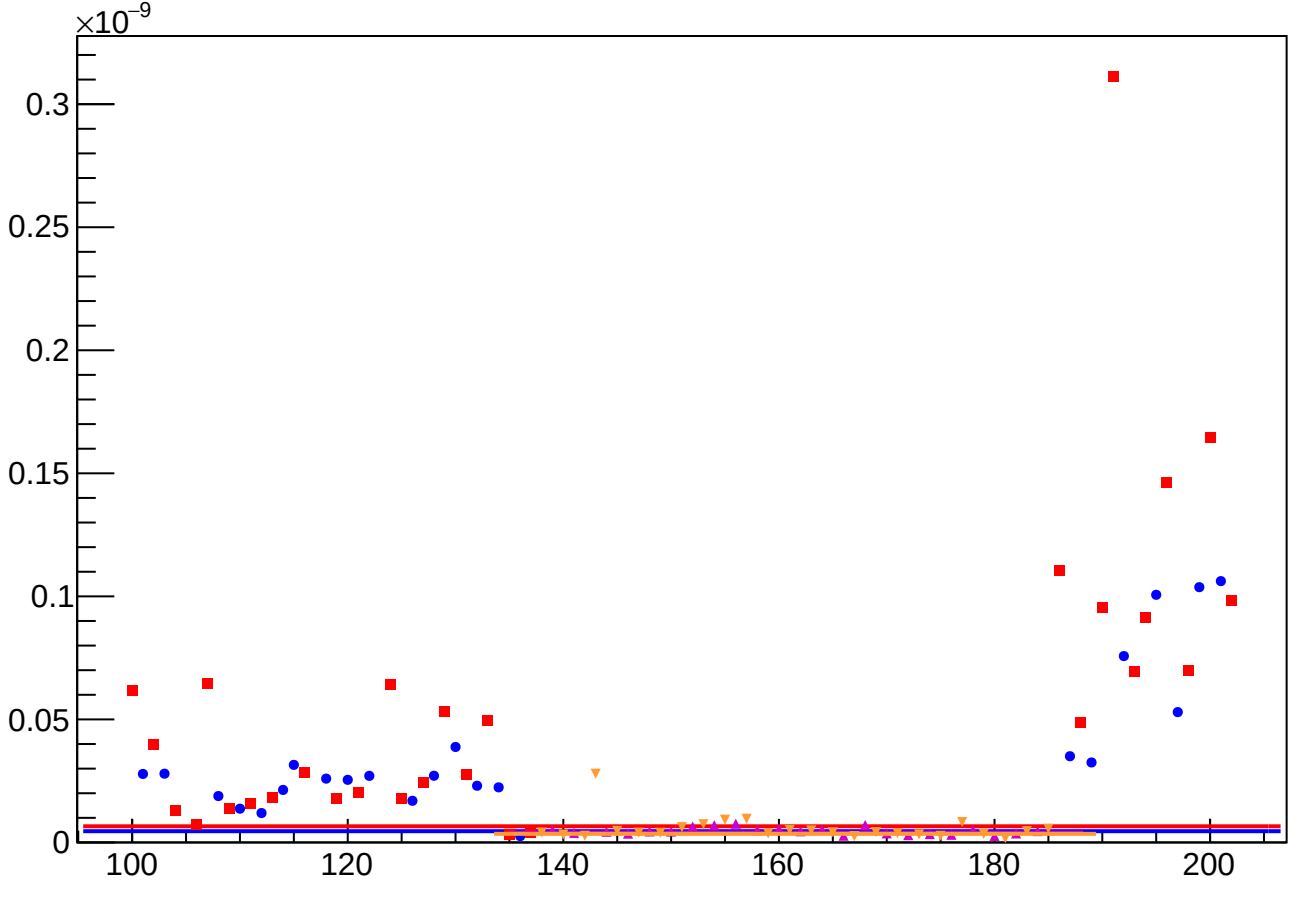
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 70.3/51

In: 0.000+/-0.000 χ^2/NDF:41.0/45

Out: 0.000+/-0.000 χ^2/NDF:81.4/53

All: 0.000+/-0.000 χ^2/NDF: 122.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 9324051.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11418871.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

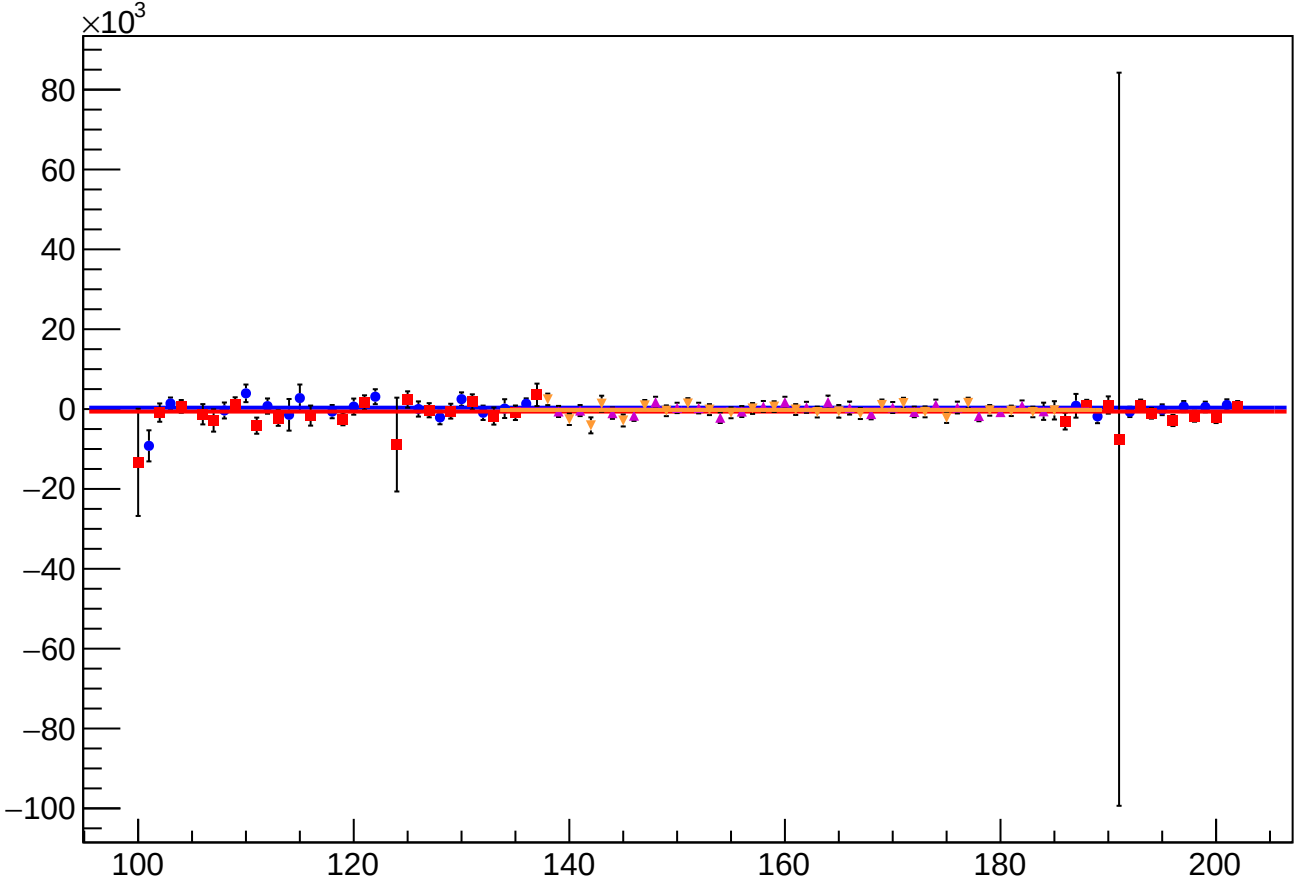
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 21018172.5/51

In: 0.000+/-0.000 χ^2/NDF:11452639.0/45

Out: 0.000+/-0.000 χ^2/NDF:17133136.5/53

All: 0.000+/-0.000 χ^2/NDF: 28698141.1/99



Right In: 349.943+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -626.859+/-342.208 χ^2/NDF: 27.0/28

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

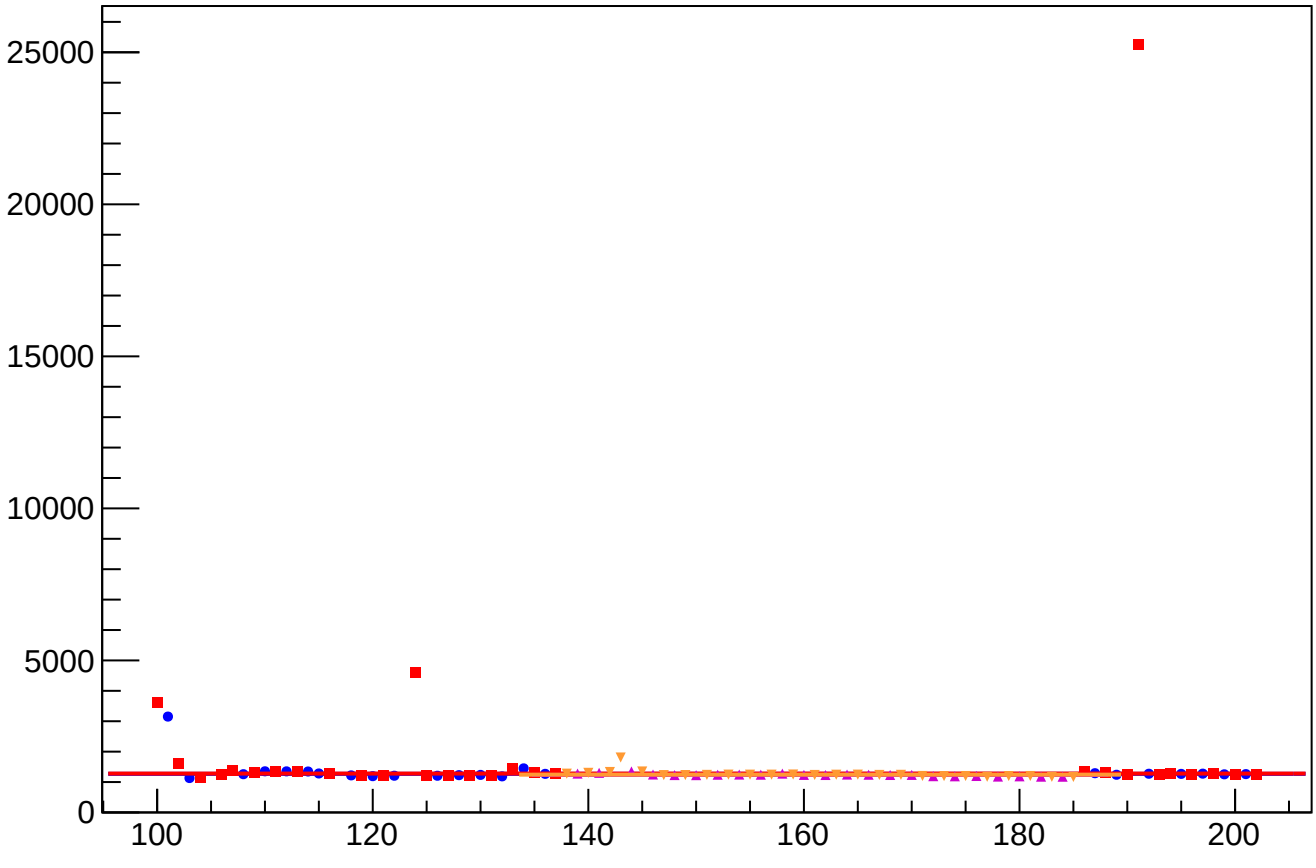
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -170.306+/-249.742 χ^2/NDF: 51.0/51

In: 77.312+/-226.270 χ^2/NDF:35.7/45

Out: -385.708+/-218.111 χ^2/NDF:51.8/53

All: -162.696+/-157.033 χ^2/NDF: 89.7/99



Right In: 1269.262+/-0.258 χ^2/NDF: 520503.7/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.761+/-0.242 χ^2/NDF: 470376.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

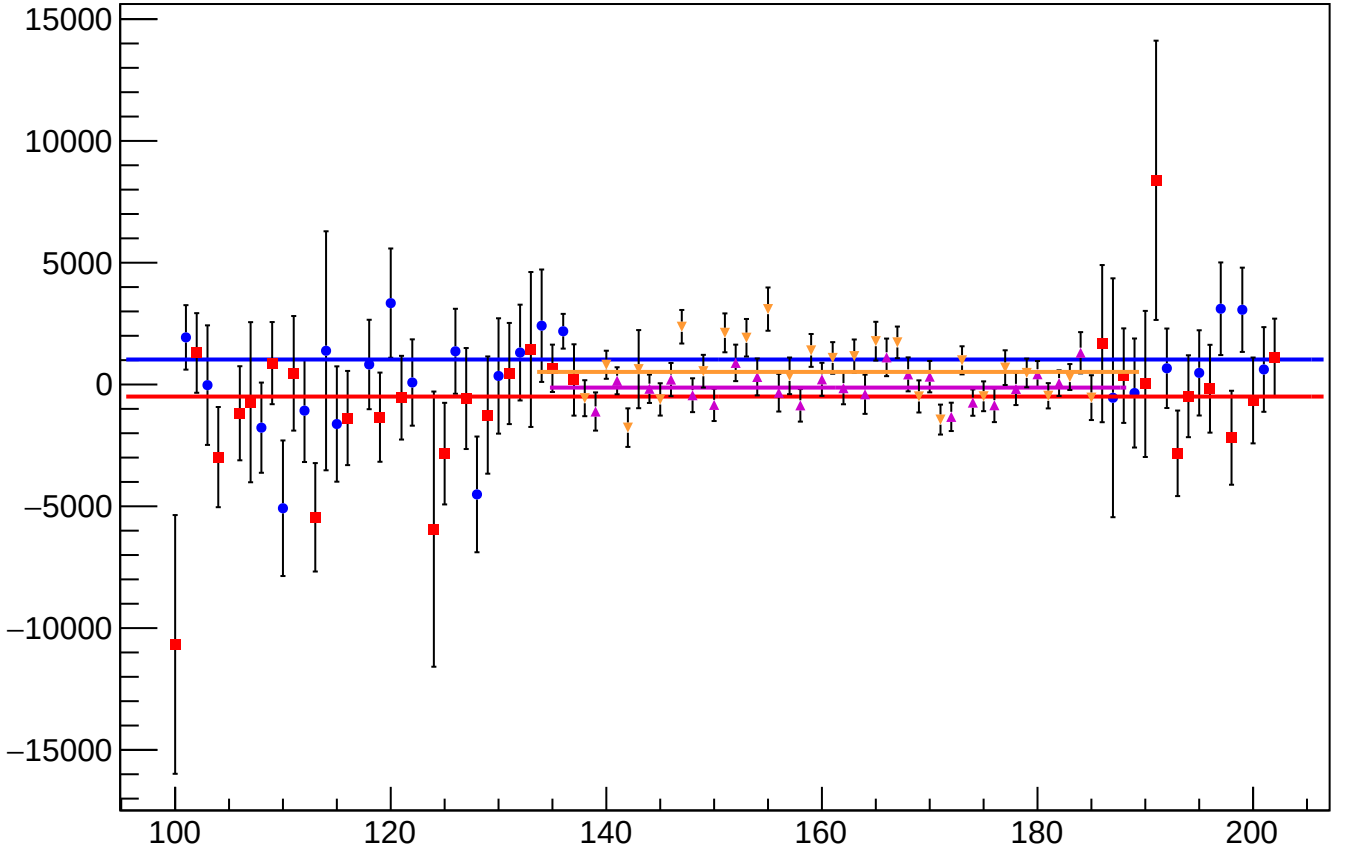
Right: 1274.321+/-0.177 χ^2/NDF: 991600.5/51

In: 1247.376+/-0.160 χ^2/NDF:571433.5/45

Out: 1257.423+/-0.154 χ^2/NDF:686771.2/53

All: 1252.584+/-0.111 χ^2/NDF: 1260248.6/99

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1026.648+/-367.611 χ^2/NDF: 23.2/22

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -494.846+/-361.782 χ^2/NDF: 23.8/28

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

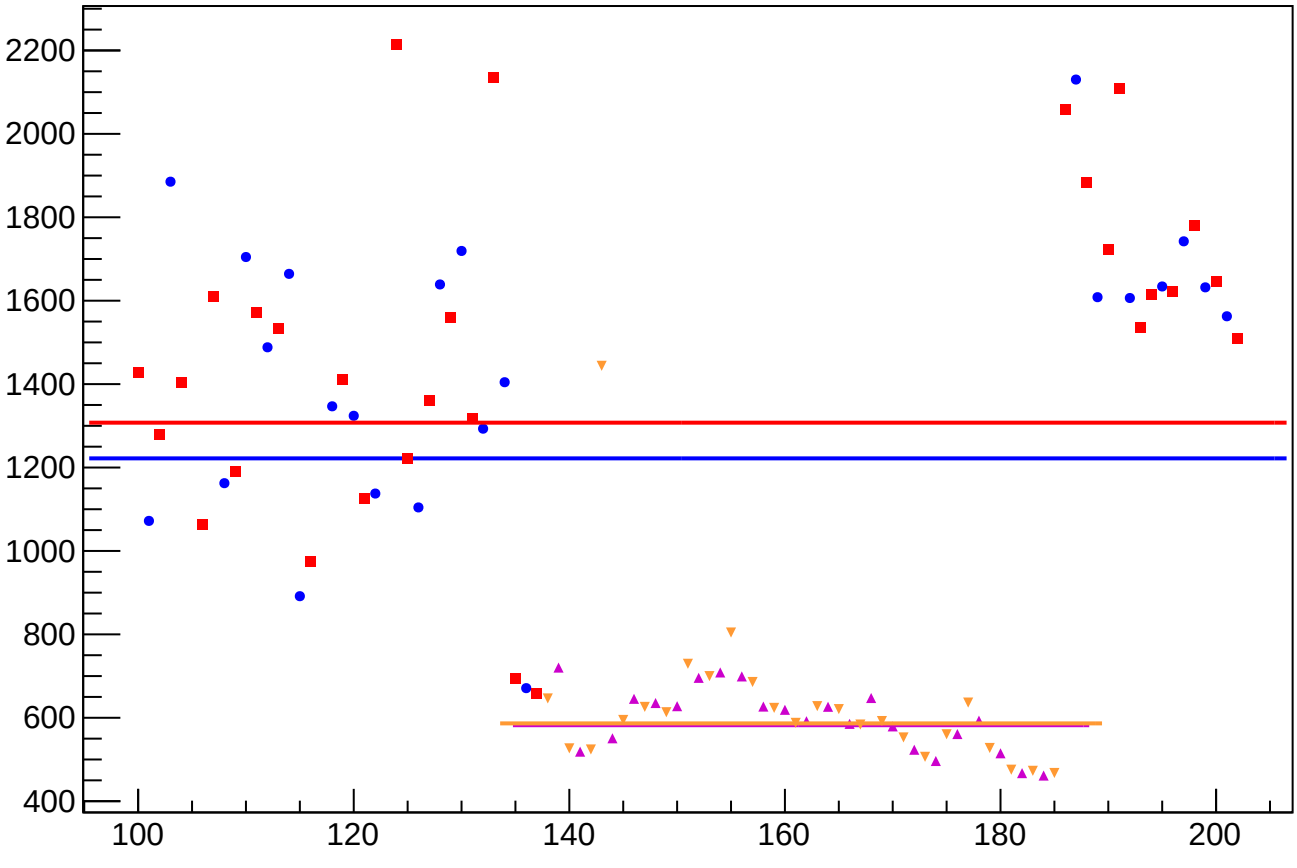
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 253.743+/-257.854 χ^2/NDF: 55.8/51

In: 14.547+/-128.594 χ^2/NDF:53.4/45

Out: 391.944+/-127.094 χ^2/NDF:97.7/53

All: 205.459+/-90.395 χ^2/NDF: 155.5/99



Right In: 1221.964+/-0.260 χ^2/NDF: 2396614.3/22

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1307.558+/-0.256 χ^2/NDF: 2350254.8/28

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

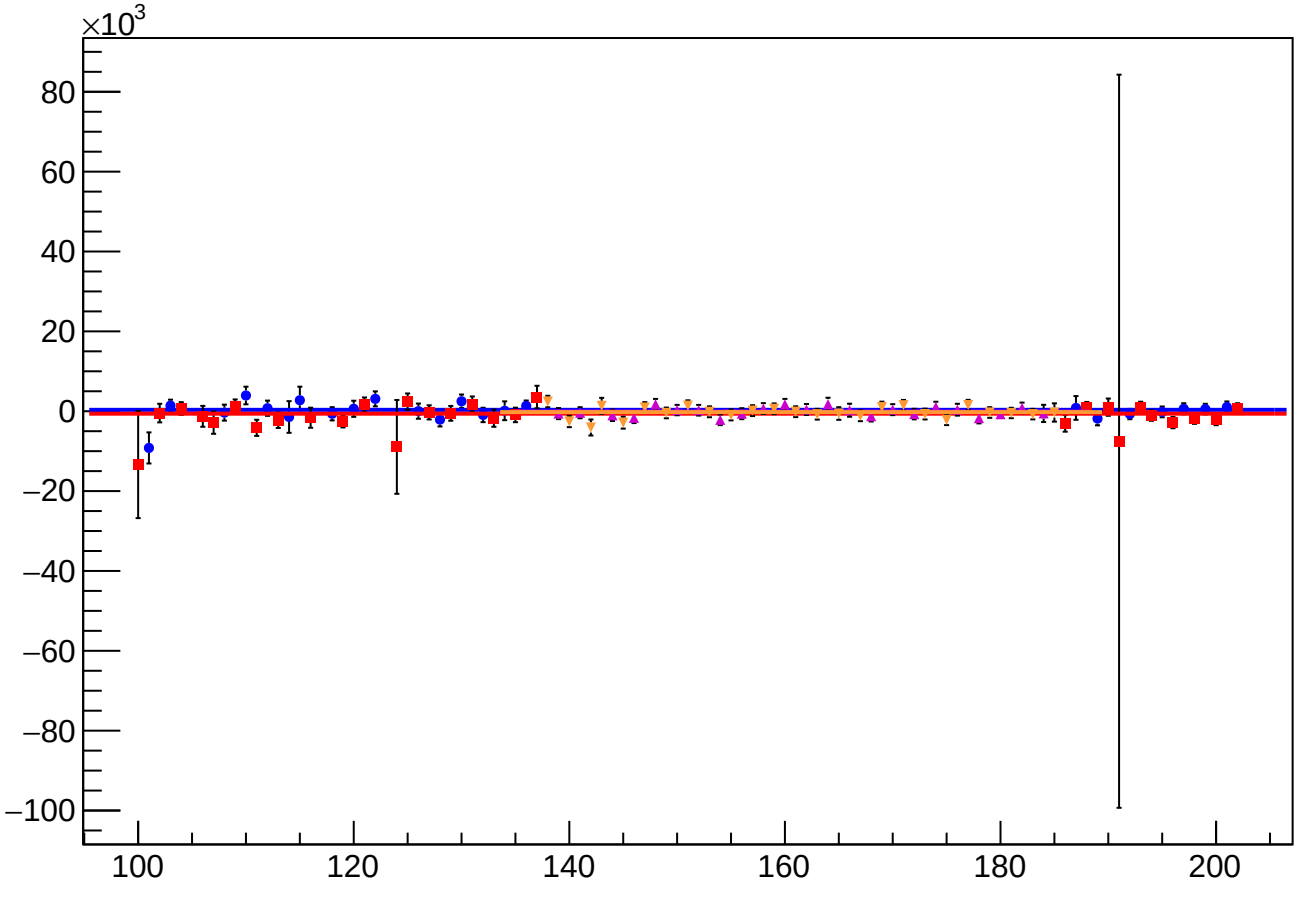
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1265.445+/-0.182 χ^2/NDF: 4801949.0/51

In: 660.478+/-0.091 χ^2/NDF:8272300.7/45

Out: 675.537+/-0.090 χ^2/NDF:10516285.3/53

All: 668.096+/-0.064 χ^2/NDF: 18802462.0/99



Right In: 350.182+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -616.661+/-342.503 χ^2/NDF: 27.0/28

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

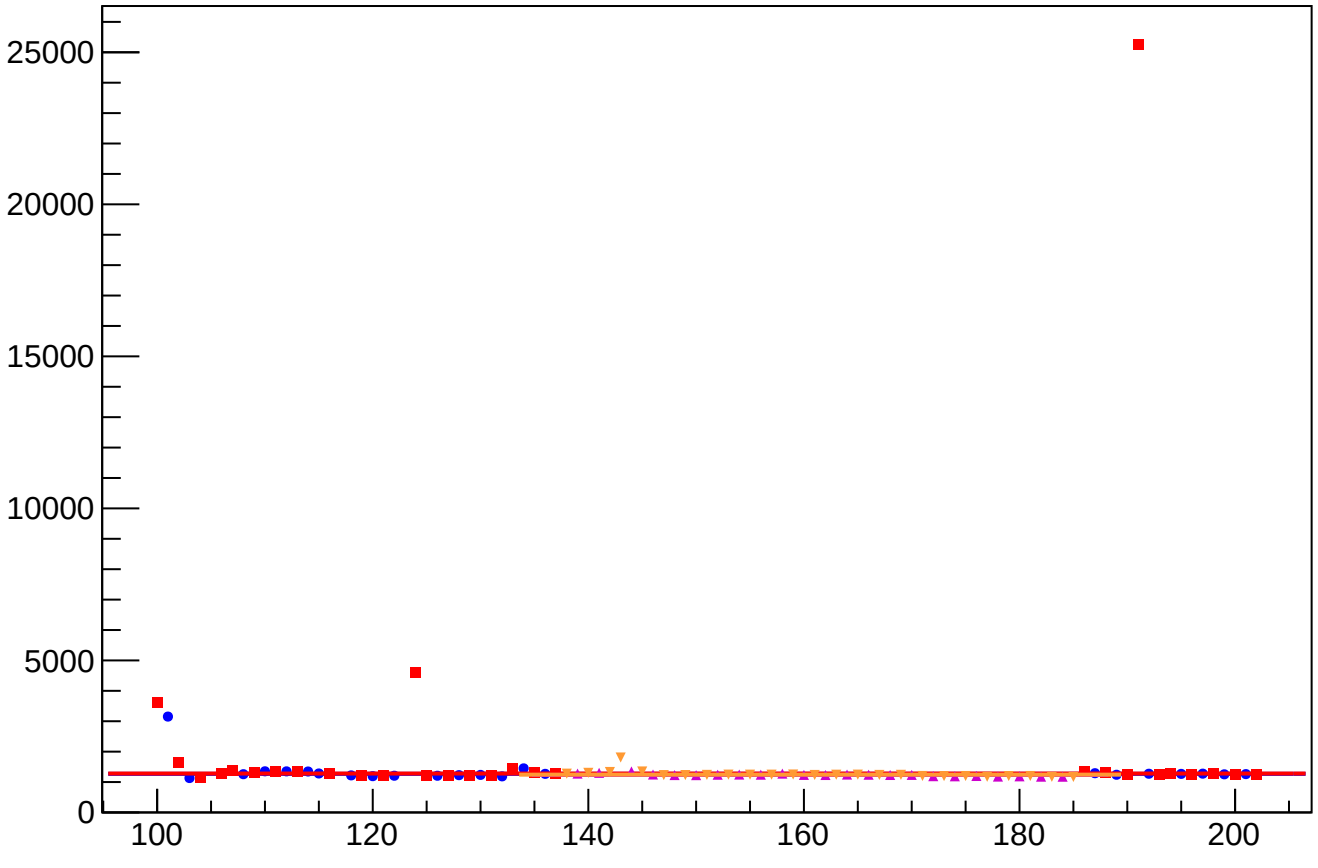
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -164.348+/-249.857 χ^2/NDF: 50.8/51

In: 77.360+/-226.270 χ^2/NDF:35.7/45

Out: -381.421+/-218.188 χ^2/NDF:51.7/53

All: -160.371+/-157.062 χ^2/NDF: 89.5/99



Right In: 1269.262+/-0.258 χ^2/NDF: 520505.1/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

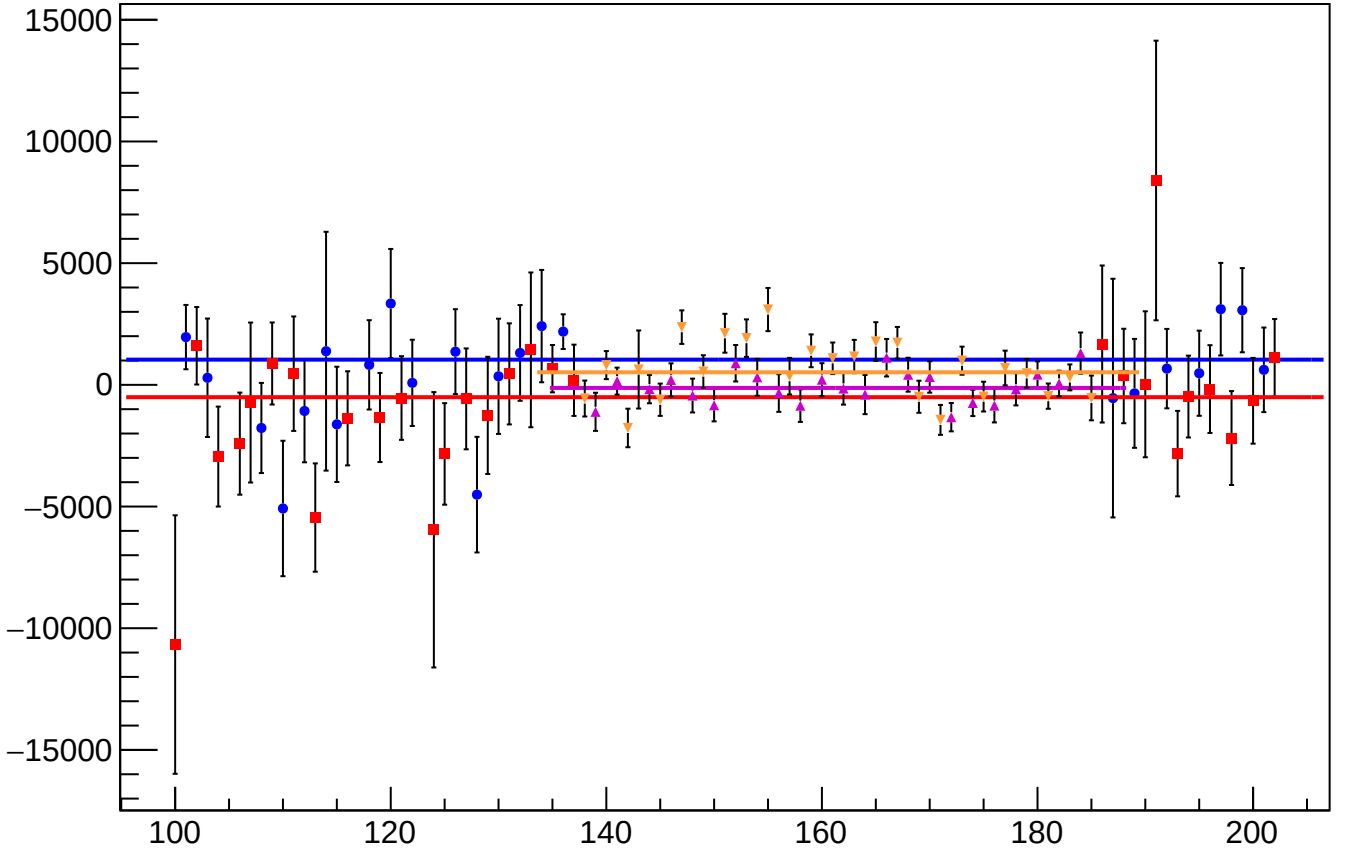
Right: 1274.931+/-0.177 χ^2/NDF: 998607.6/51

In: 1247.376+/-0.160 χ^2/NDF:571434.8/45

Out: 1257.876+/-0.154 χ^2/NDF:694431.6/53

All: 1252.817+/-0.111 χ^2/NDF: 1268098.1/99

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

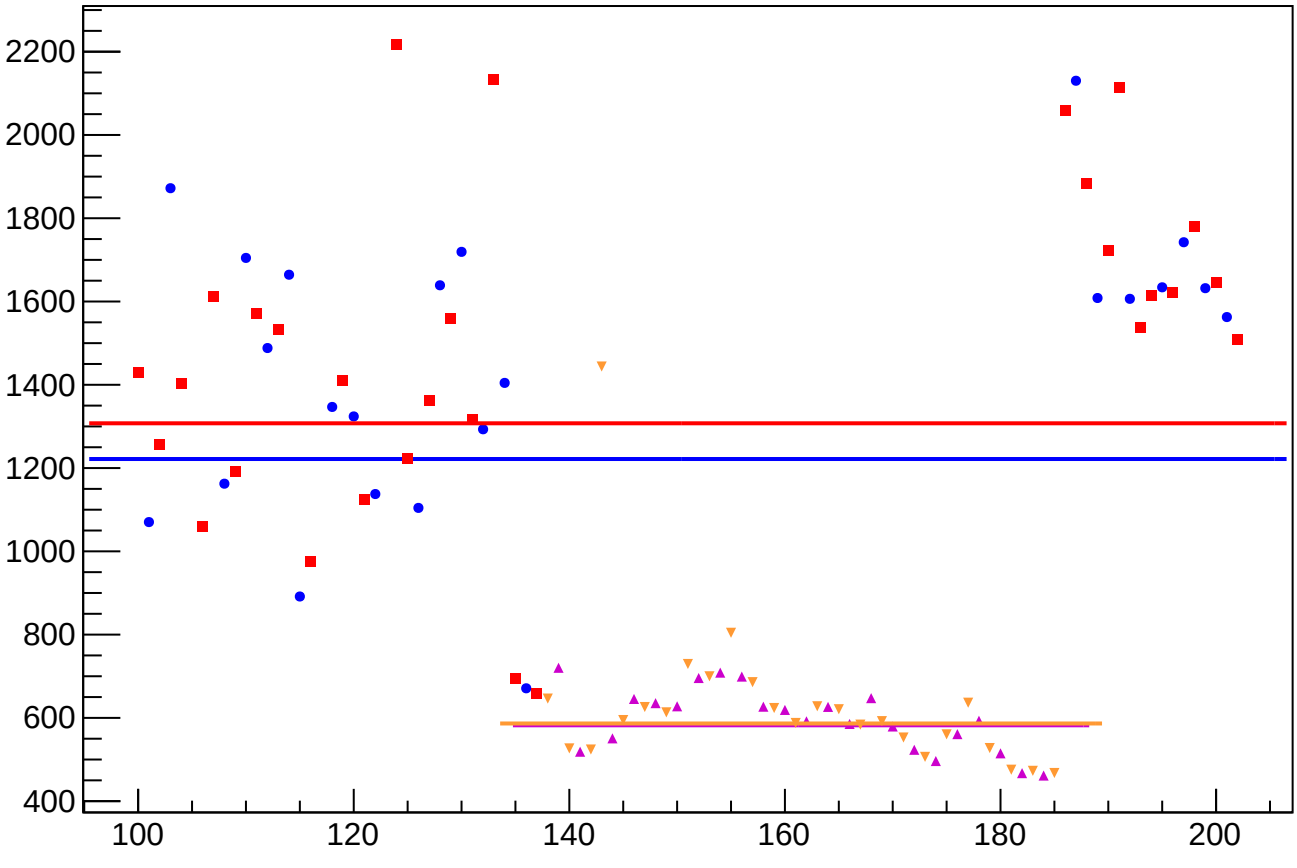
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 253.600+/-257.988 χ^2/NDF: 57.1/51

In: 15.764+/-128.589 χ^2/NDF:53.5/45

Out: 390.813+/-127.115 χ^2/NDF:99.1/53

All: 205.450+/-90.401 χ^2/NDF: 156.9/99



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

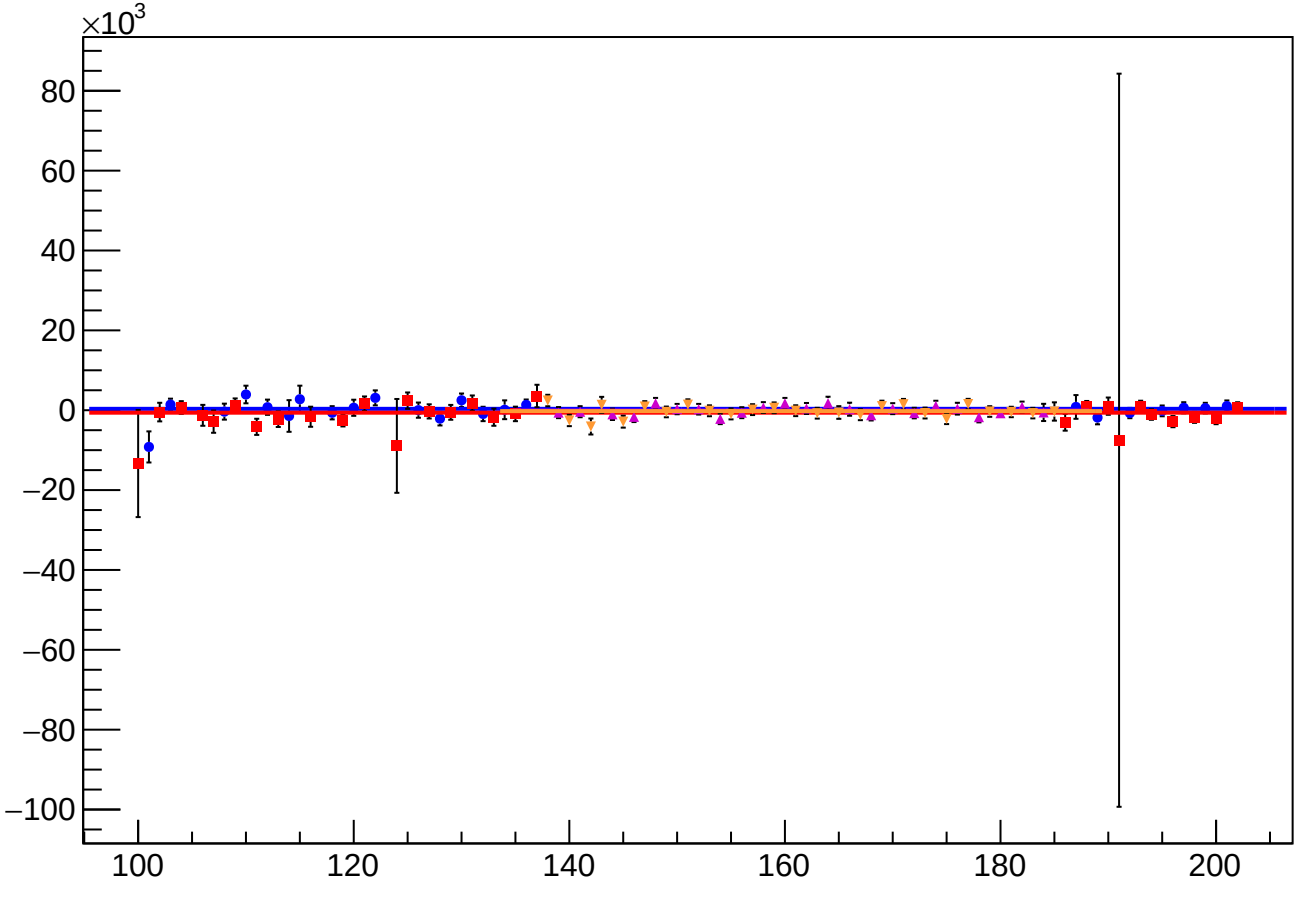
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1265.246+/-0.182 χ^2/NDF: 4797054.5/51

In: 660.490+/-0.091 χ^2/NDF:8268687.7/45

Out: 675.333+/-0.090 χ^2/NDF:10497018.7/53

All: 667.997+/-0.064 χ^2/NDF: 18779183.9/99



Right In: 350.182+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -616.661+/-342.503 χ^2/NDF: 27.0/28

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

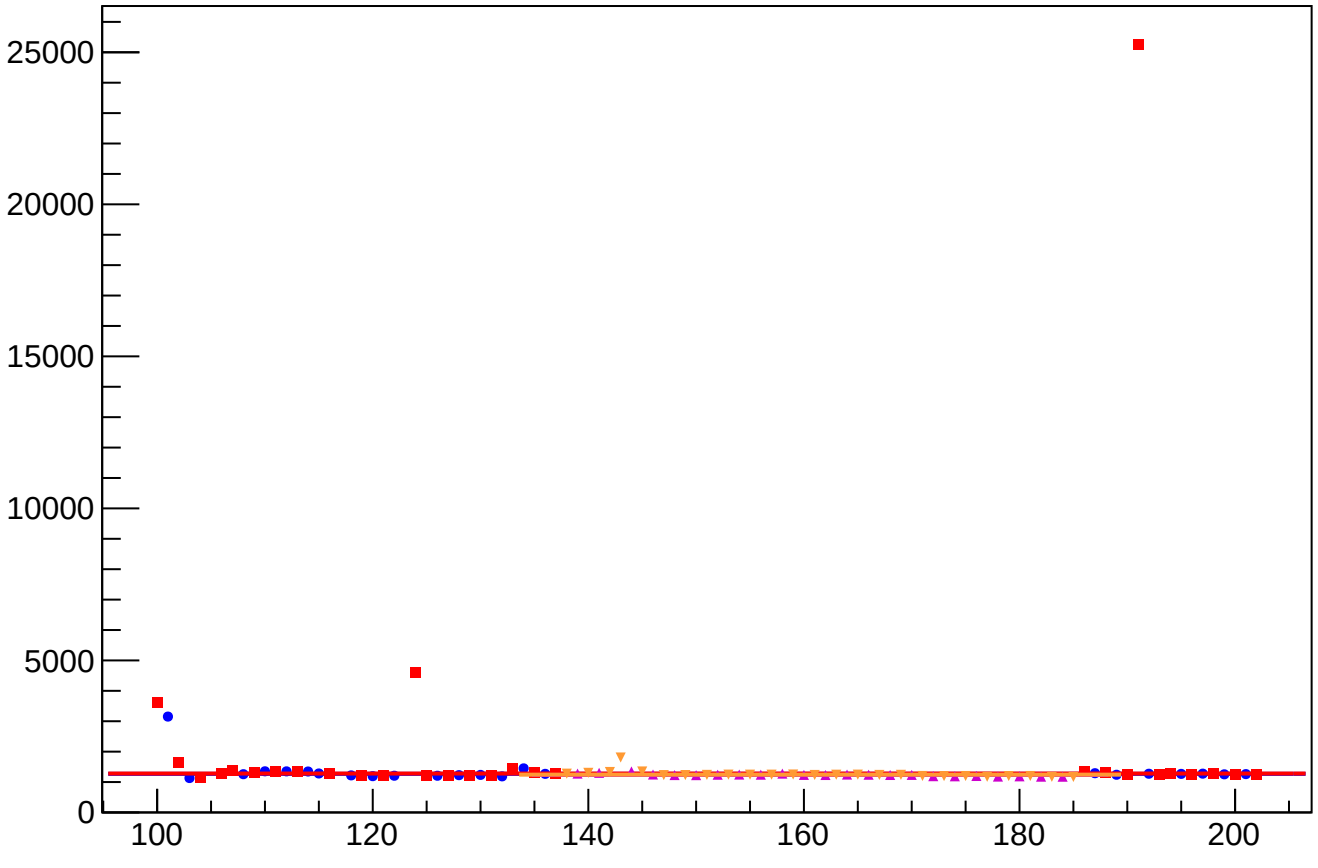
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -164.348+/-249.857 χ^2/NDF: 50.8/51

In: 77.360+/-226.270 χ^2/NDF:35.7/45

Out: -381.421+/-218.188 χ^2/NDF:51.7/53

All: -160.371+/-157.062 χ^2/NDF: 89.5/99



Right In: 1269.262+/-0.258 χ^2/NDF: 520505.1/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

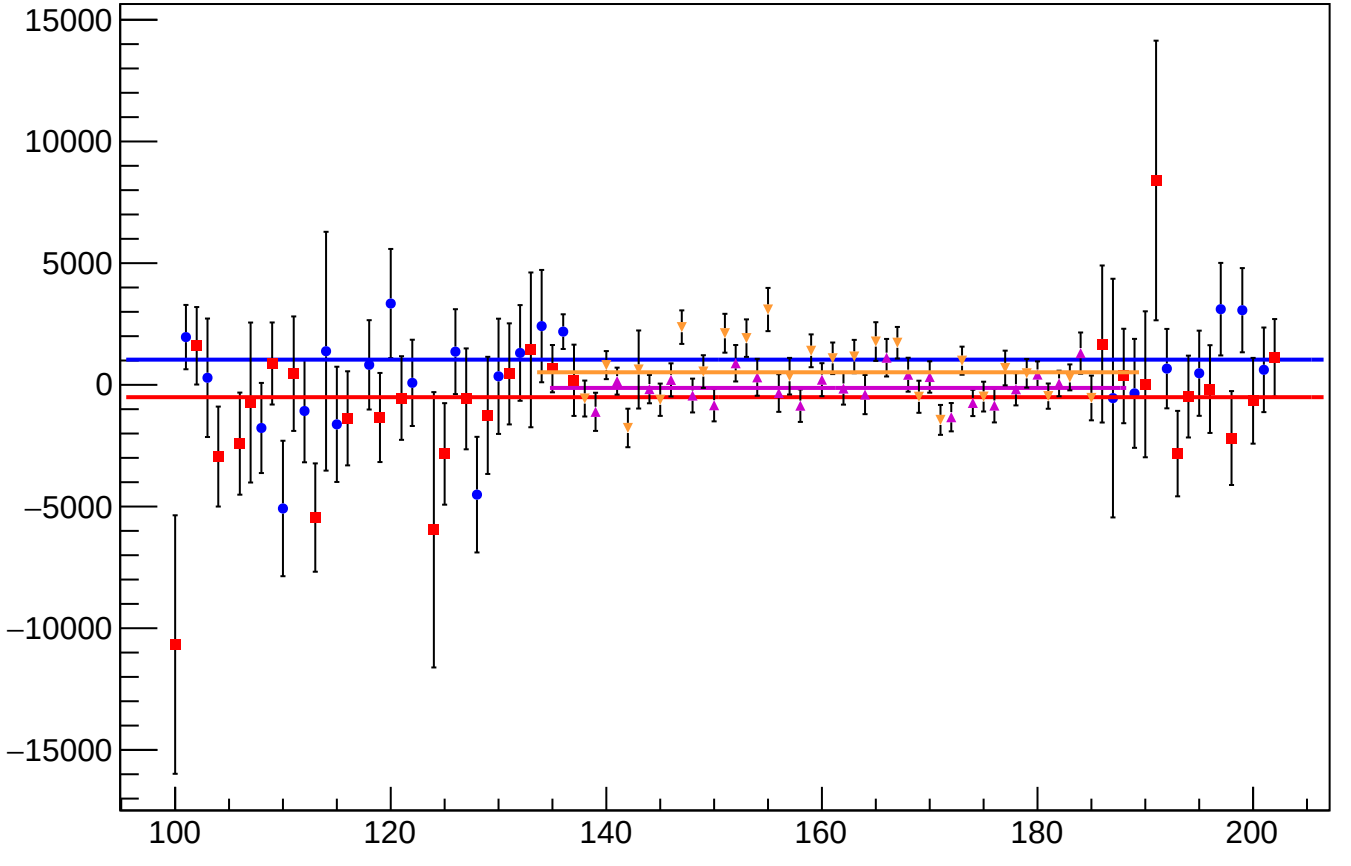
Right: 1274.931+/-0.177 χ^2/NDF: 998607.6/51

In: 1247.376+/-0.160 χ^2/NDF:571434.8/45

Out: 1257.876+/-0.154 χ^2/NDF:694431.6/53

All: 1252.817+/-0.111 χ^2/NDF: 1268098.1/99

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

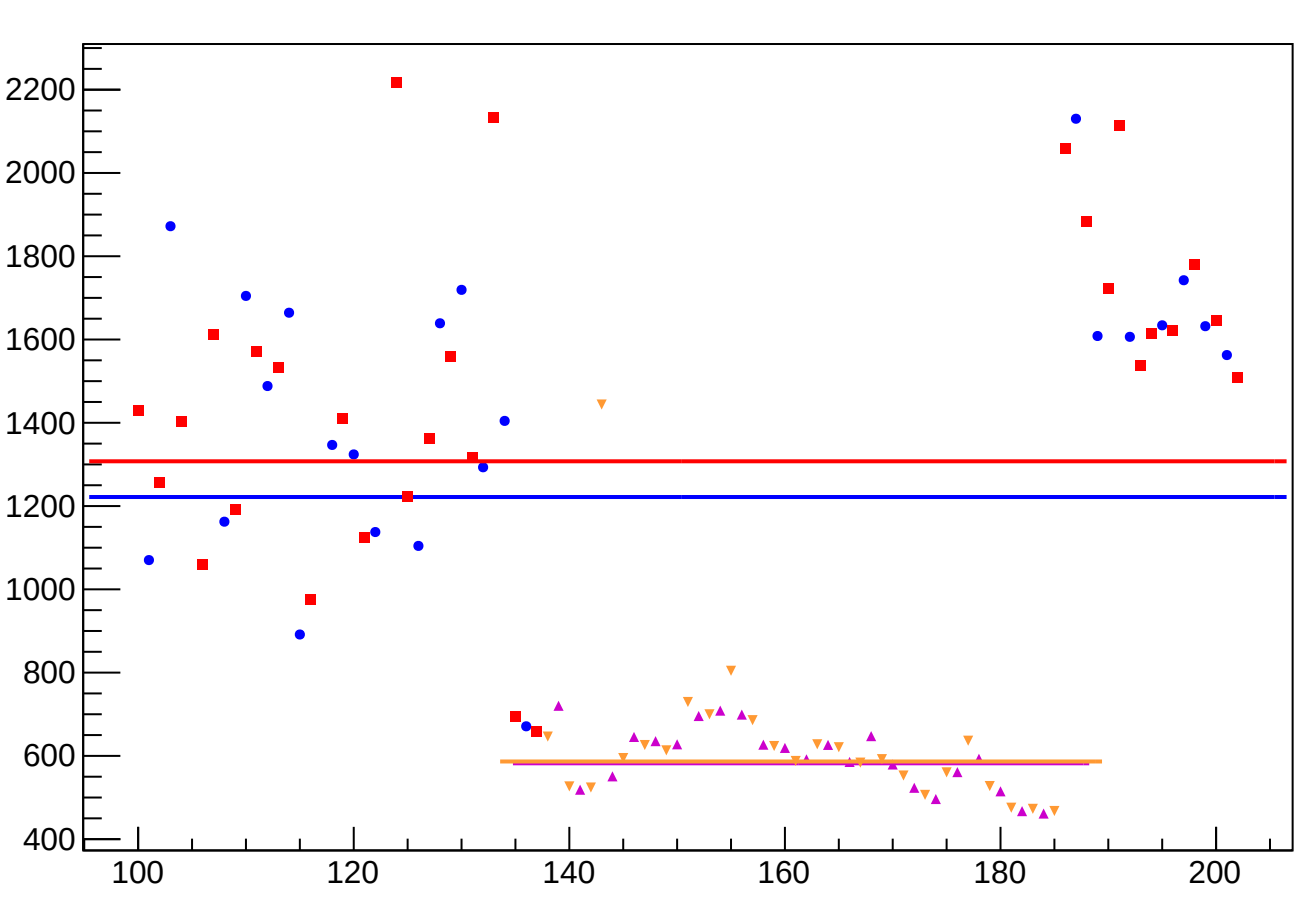
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 253.600+/-257.988 χ^2/NDF: 57.1/51

In: 15.764+/-128.589 χ^2/NDF:53.5/45

Out: 390.813+/-127.115 χ^2/NDF:99.1/53

All: 205.450+/-90.401 χ^2/NDF: 156.9/99



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

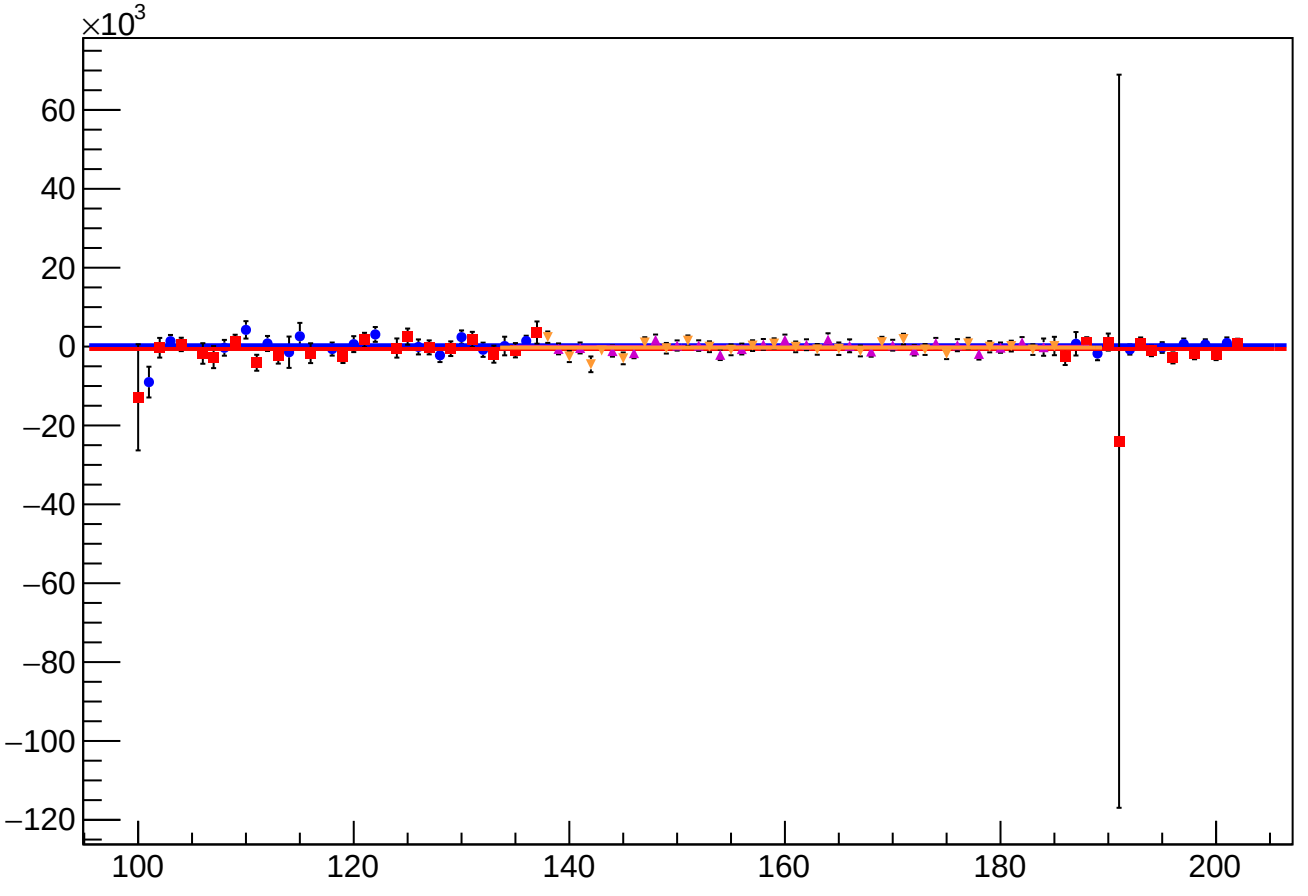
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1265.246+/-0.182 χ^2/NDF: 4797054.5/51

In: 660.490+/-0.091 χ^2/NDF:8268687.7/45

Out: 675.333+/-0.090 χ^2/NDF:10497018.7/53

All: 667.997+/-0.064 χ^2/NDF: 18779183.9/99



Right In: 336.141+/-366.892 χ^2/NDF: 20.0/22

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -607.818+/-341.280 χ^2/NDF: 26.5/28

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

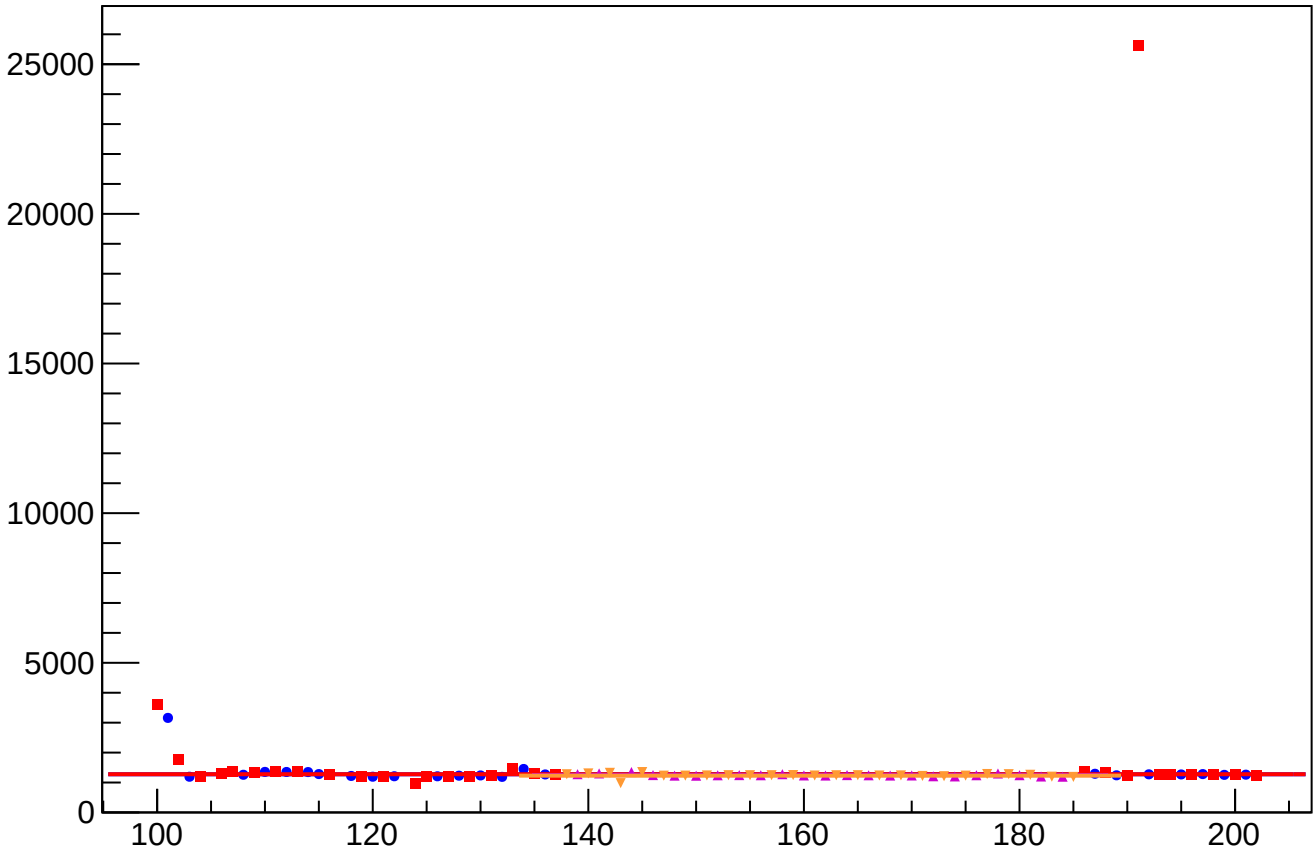
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -169.935+/-249.886 χ^2/NDF: 50.1/51

In: 84.145+/-228.213 χ^2/NDF:34.8/45

Out: -394.416+/-216.432 χ^2/NDF:51.2/53

All: -167.806+/-157.040 χ^2/NDF: 88.3/99



Right In: 1275.075+/-0.259 χ^2/NDF: 508917.7/22

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.3/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

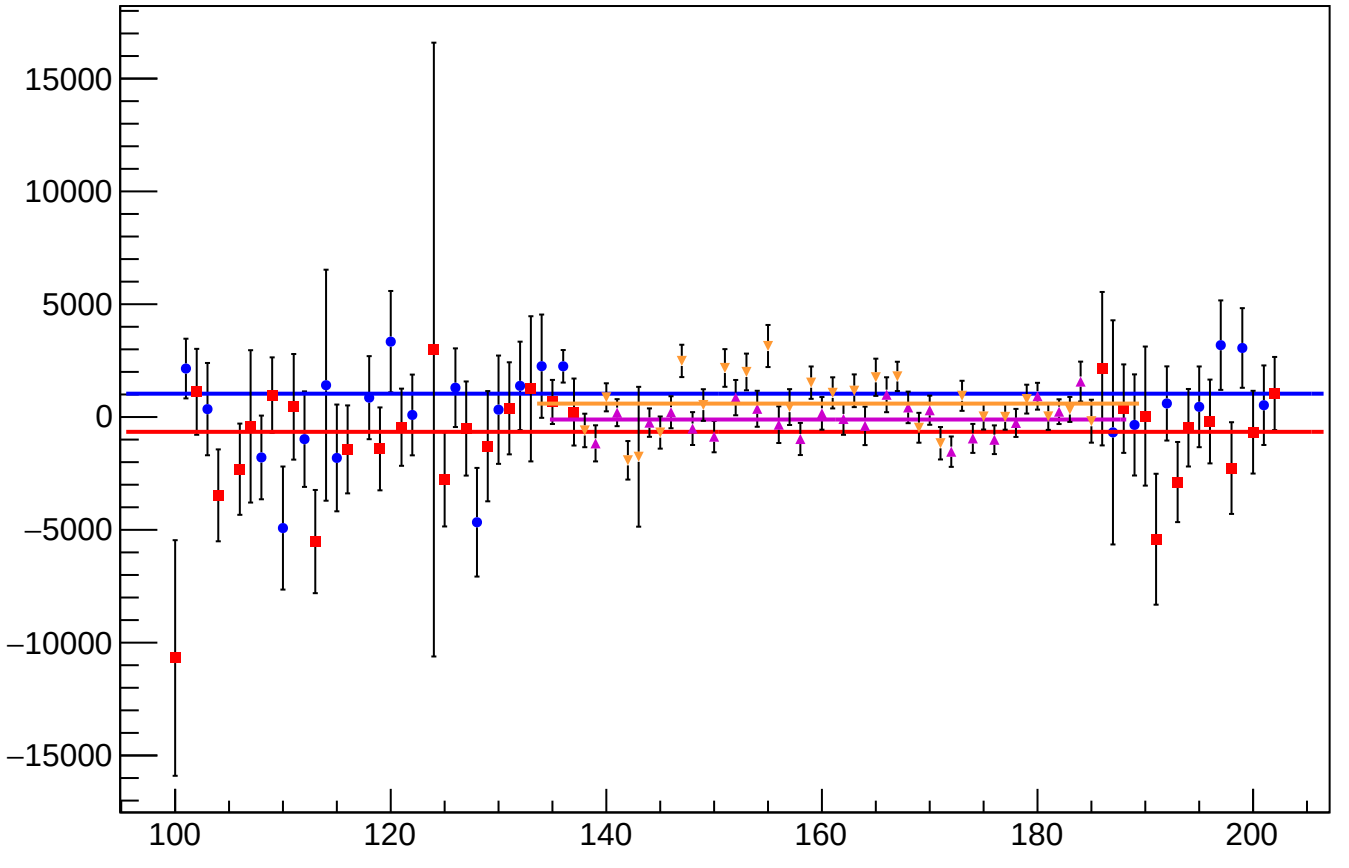
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1276.403+/-0.177 χ^2/NDF: 878891.9/51

In: 1258.344+/-0.161 χ^2/NDF:543042.6/45

Out: 1249.116+/-0.153 χ^2/NDF:534758.5/53

All: 1253.486+/-0.111 χ^2/NDF: 1079522.6/99



Right In: 1034.739+/-368.861 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -656.432+/-366.987 χ^2/NDF: 24.2/28

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

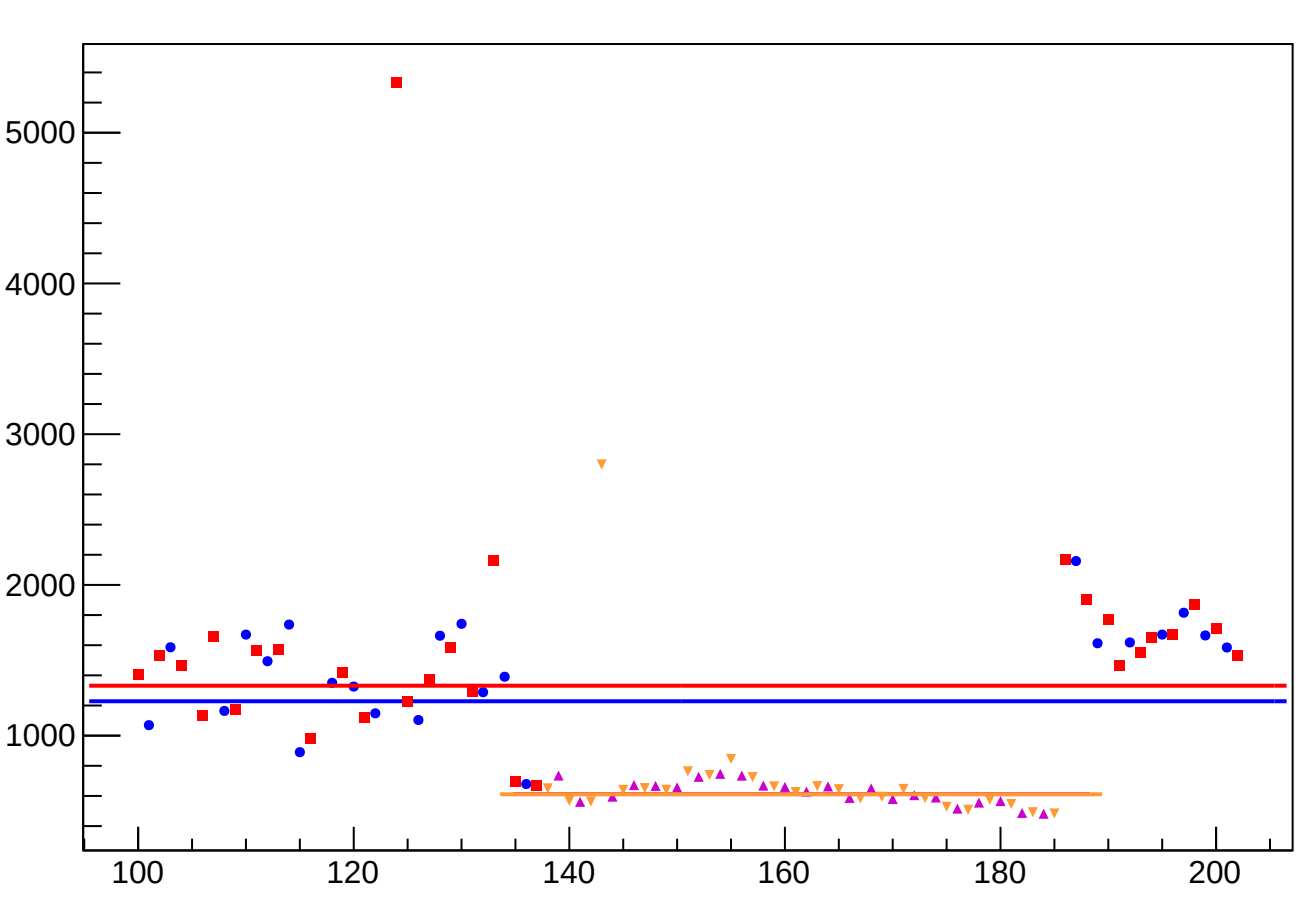
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 184.846+/-260.159 χ^2/NDF: 58.5/51

In: 41.597+/-134.328 χ^2/NDF:57.8/45

Out: 431.776+/-132.538 χ^2/NDF:91.6/53

All: 239.304+/-94.345 χ^2/NDF: 153.7/99



Right In: 1228.185+/-0.261 χ^2/NDF: 2335879.3/22

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1331.392+/-0.259 χ^2/NDF: 2561643.1/28

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

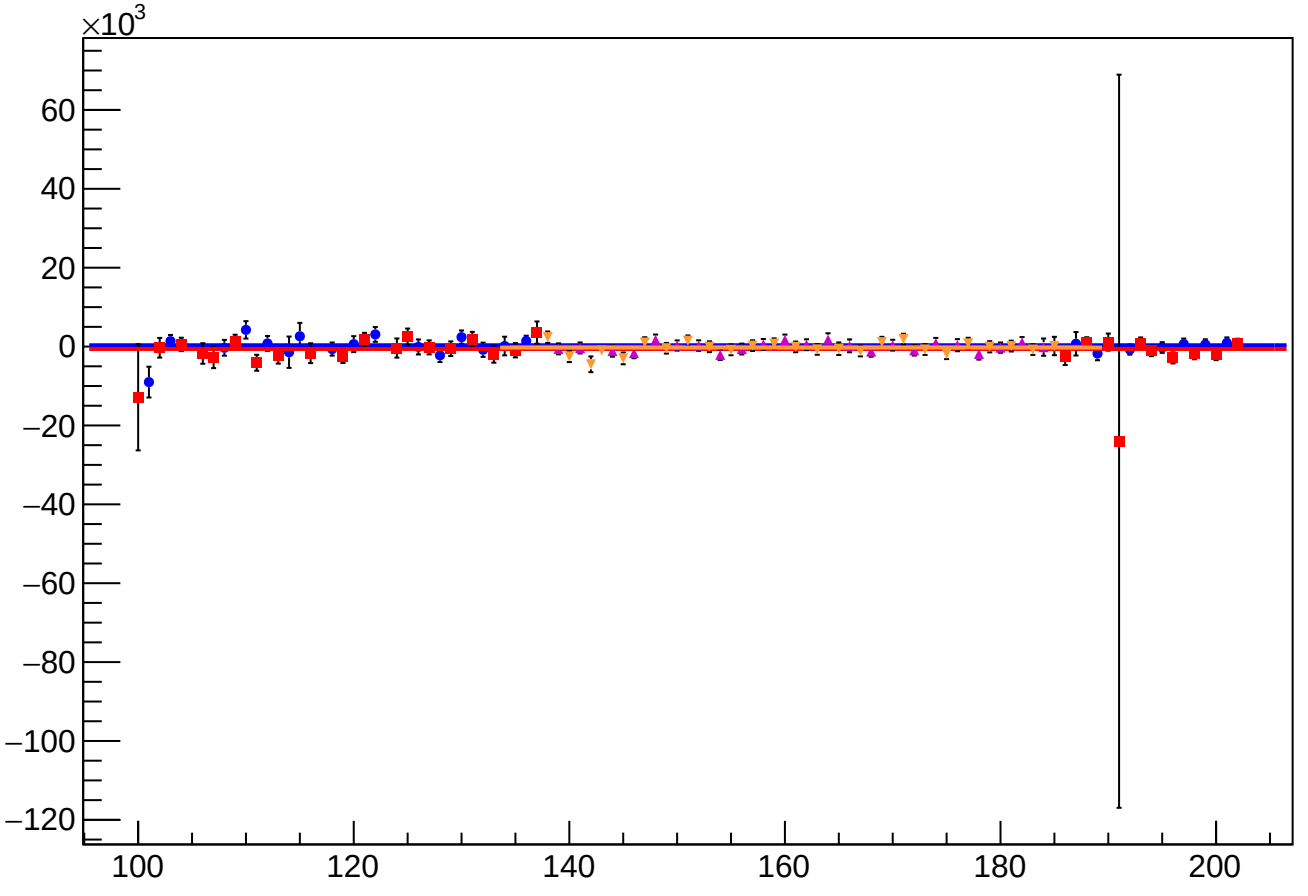
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1280.051+/-0.184 χ^2/NDF: 4976208.7/51

In: 694.064+/-0.095 χ^2/NDF:7679211.1/45

Out: 705.036+/-0.094 χ^2/NDF:10880829.2/53

All: 699.624+/-0.067 χ^2/NDF: 18566801.1/99



Right In: 336.142+/-366.892 χ^2/NDF: 20.0/22

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -607.819+/-341.280 χ^2/NDF: 26.5/28

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

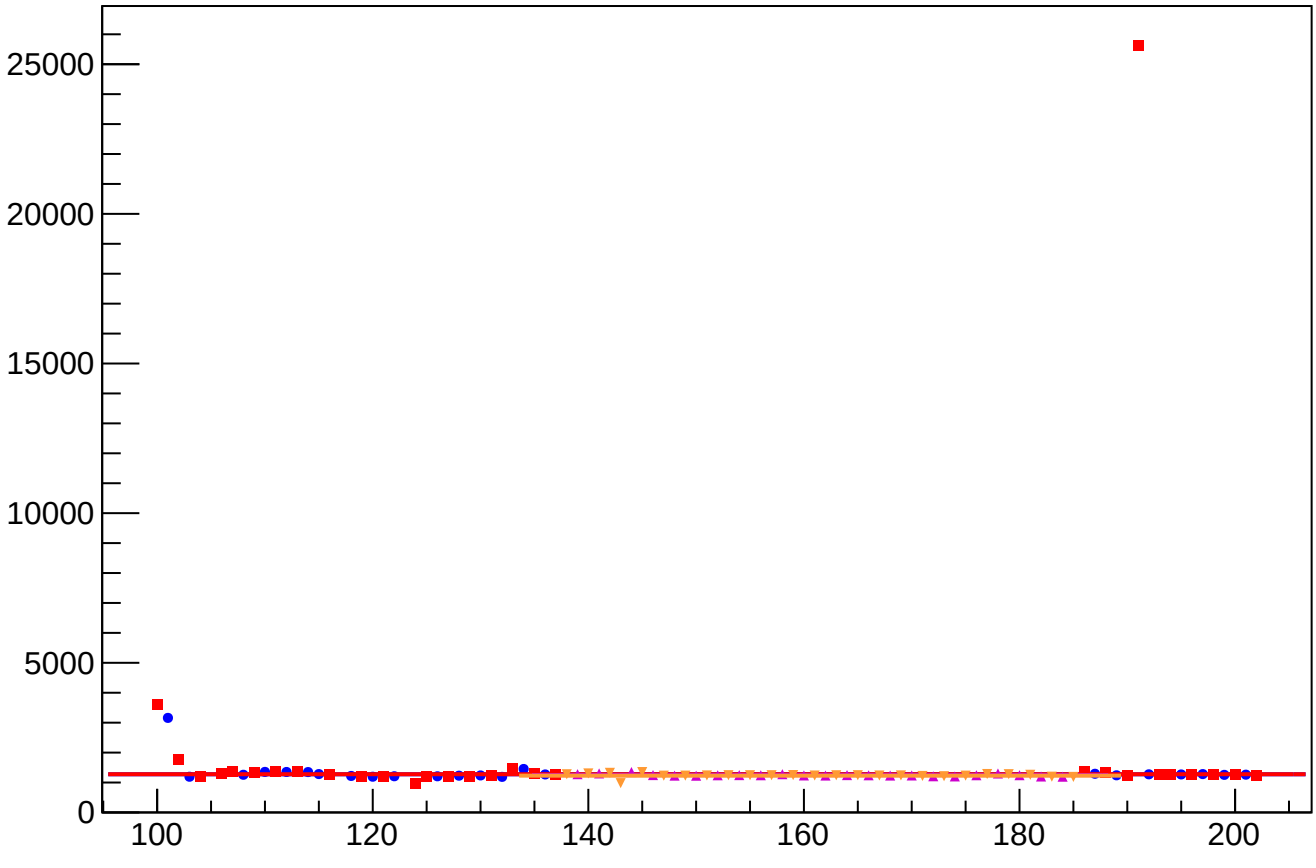
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -169.934+/-249.886 χ^2/NDF: 50.1/51

In: 84.145+/-228.213 χ^2/NDF:34.8/45

Out: -394.417+/-216.432 χ^2/NDF:51.2/53

All: -167.806+/-157.040 χ^2/NDF: 88.3/99



Right In: 1275.075+/-0.259 χ^2/NDF: 508917.8/22

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.2/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

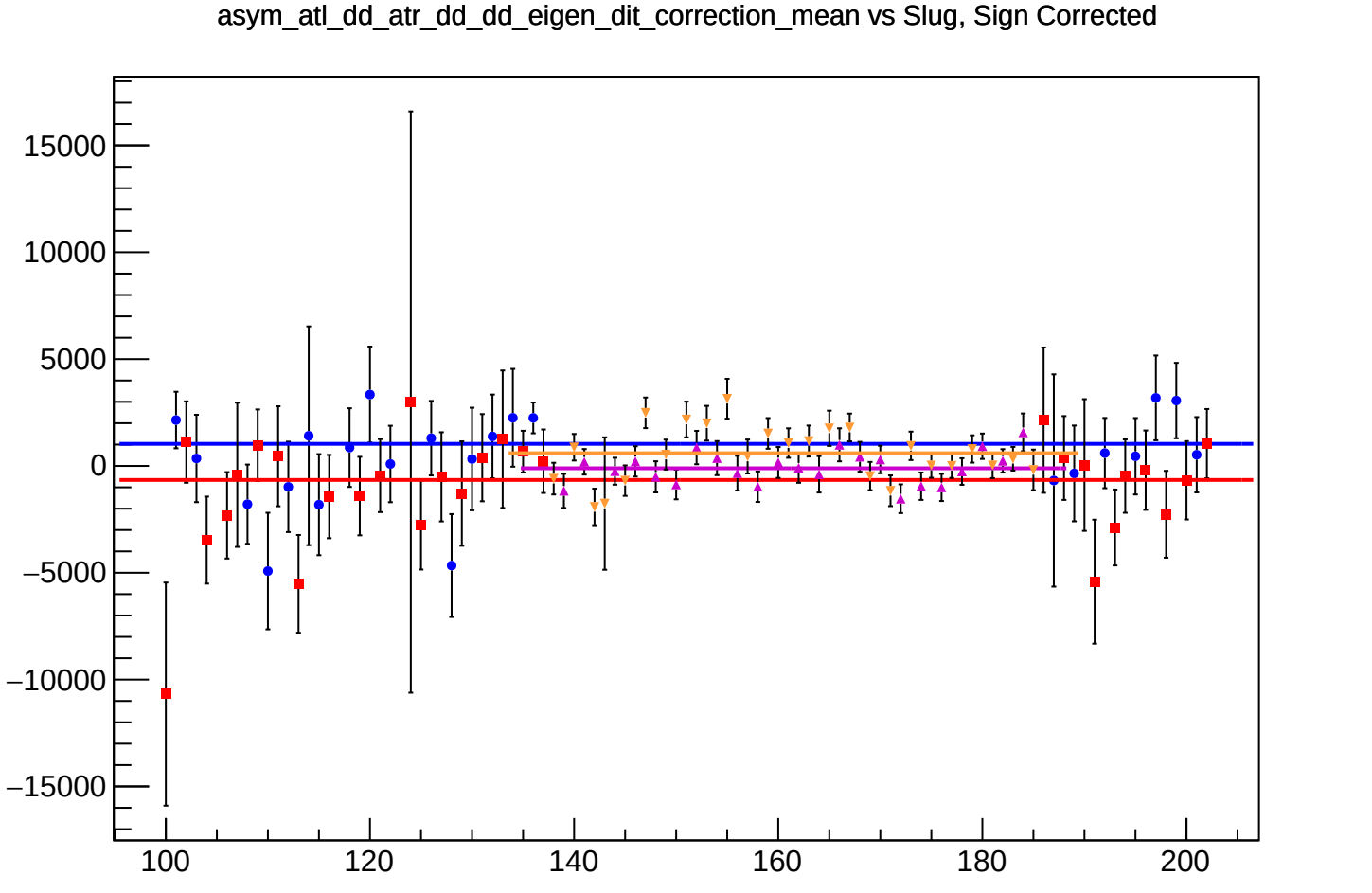
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1276.403+/-0.177 χ^2/NDF: 878891.9/51

In: 1258.344+/-0.161 χ^2/NDF:543042.7/45

Out: 1249.116+/-0.153 χ^2/NDF:534757.5/53

All: 1253.486+/-0.111 χ^2/NDF: 1079521.6/99



Right In: 1034.736+/-368.862 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -656.442+/-366.988 χ^2/NDF: 24.2/28

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

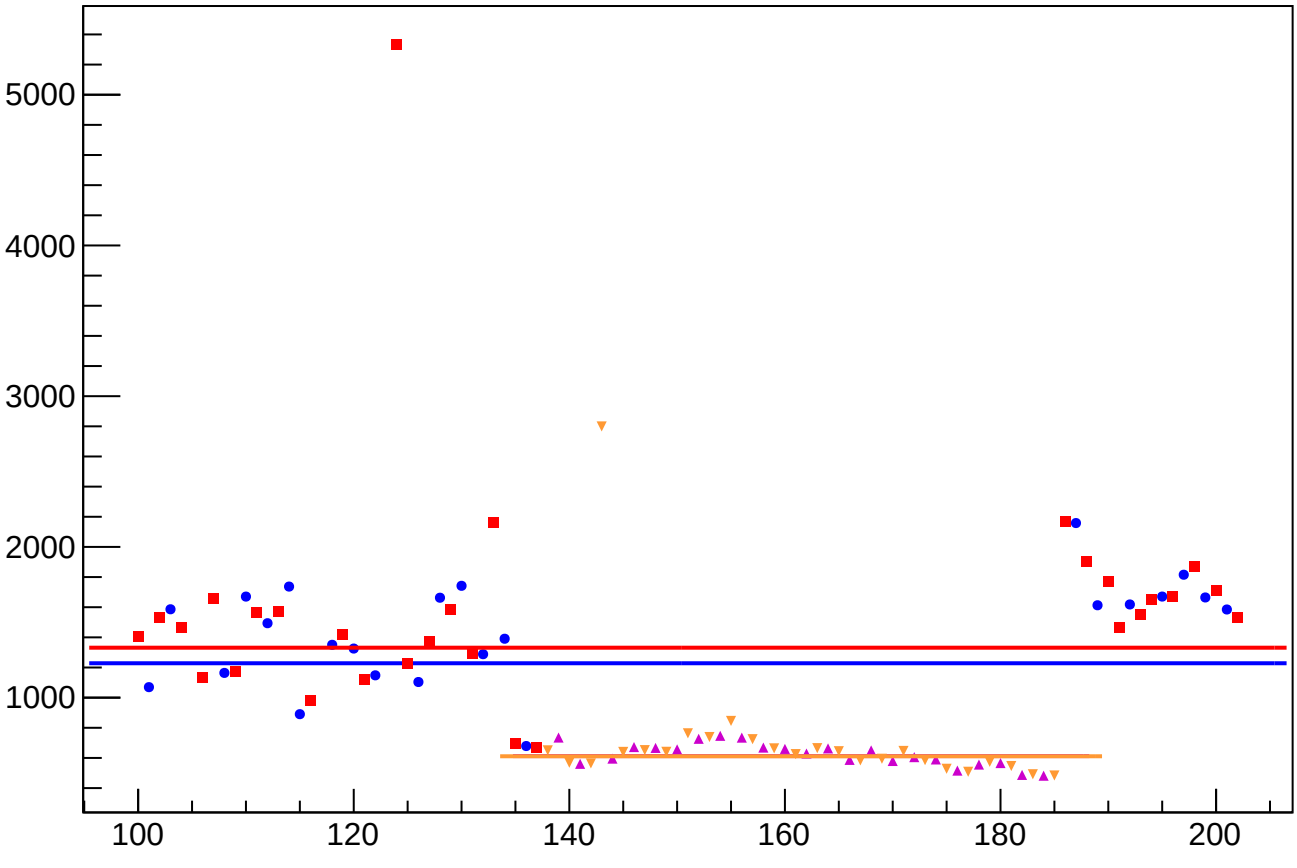
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 184.840+/-260.160 χ^2/NDF: 58.5/51

In: 41.596+/-134.328 χ^2/NDF:57.8/45

Out: 431.775+/-132.538 χ^2/NDF:91.6/53

All: 239.303+/-94.345 χ^2/NDF: 153.7/99



Right In: 1228.190+/-0.261 χ^2/NDF: 2335800.8/22

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1331.398+/-0.259 χ^2/NDF: 2561563.7/28

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

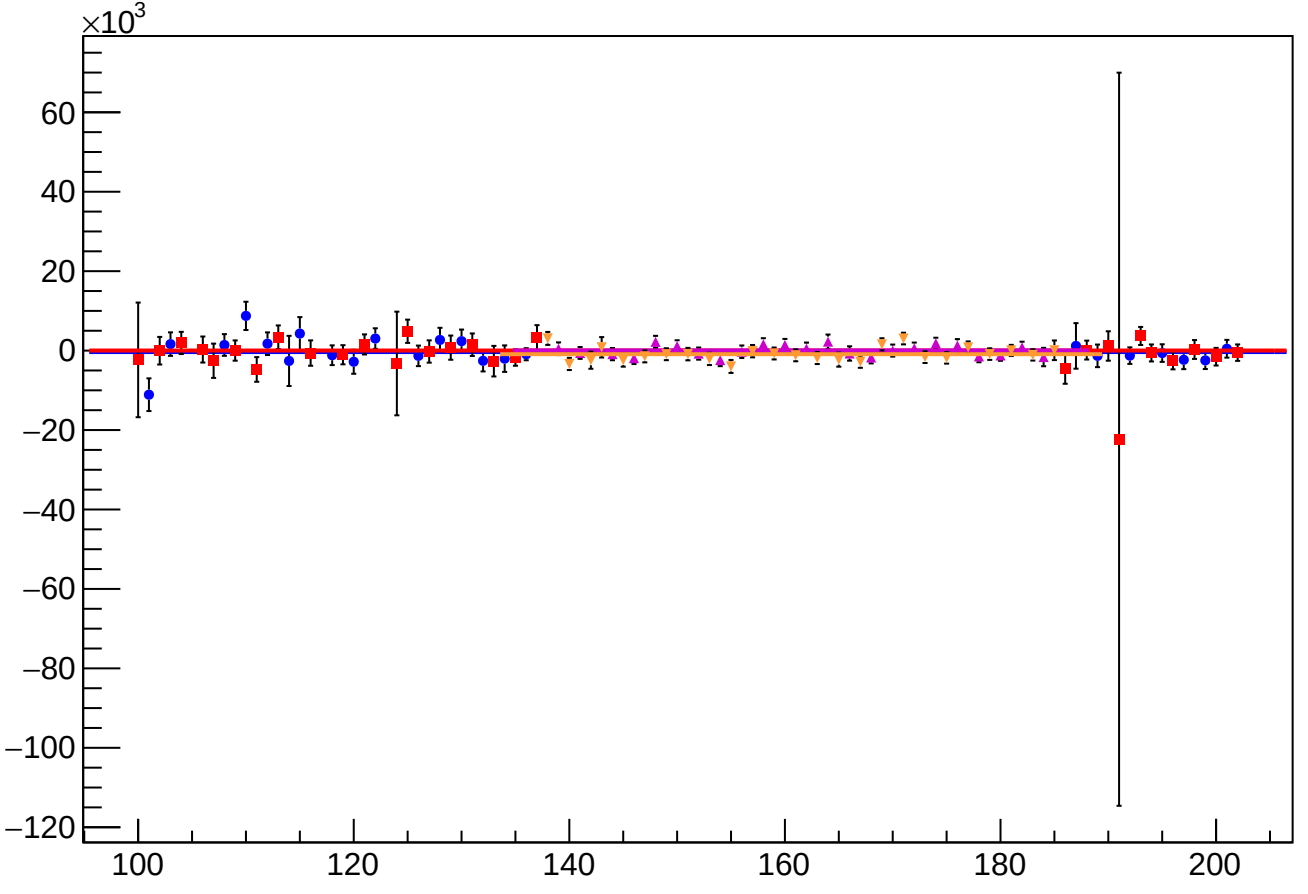
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1280.057+/-0.184 χ^2/NDF: 4976050.5/51

In: 694.064+/-0.095 χ^2/NDF:7679213.0/45

Out: 705.036+/-0.094 χ^2/NDF:10880828.0/53

All: 699.624+/-0.067 χ^2/NDF: 18566802.3/99



Right In: -363.999+/-556.927 χ^2/NDF: 23.8/22

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 24.195+/-528.888 χ^2/NDF: 16.4/28

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

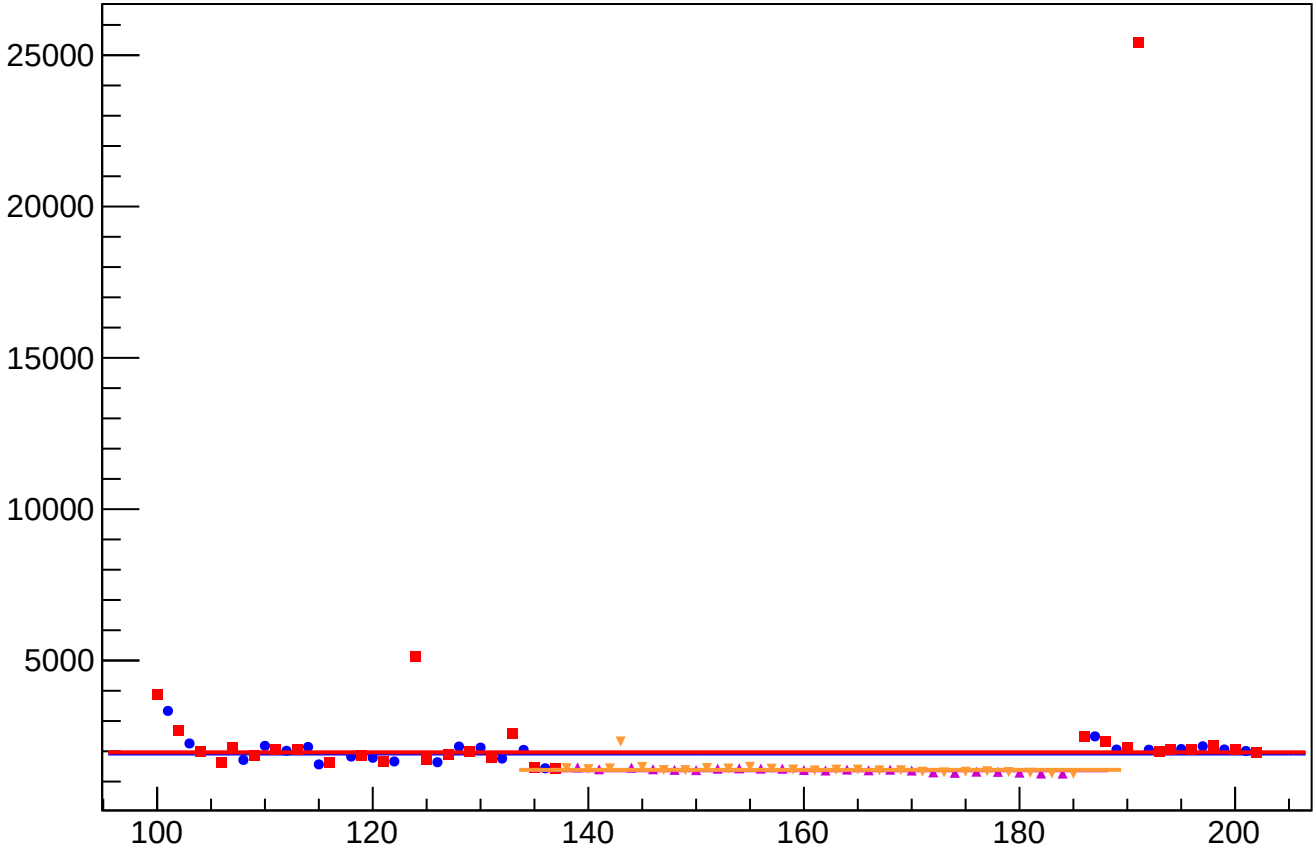
Right: -159.884+/-383.510 χ^2/NDF: 40.5/51

In: -54.572+/-278.065 χ^2/NDF:42.1/45

Out: -656.284+/-271.553 χ^2/NDF:48.4/53

All: -362.557+/-194.278 χ^2/NDF: 93.0/99

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1927.017+/-0.394 χ^2/NDF: 658971.7/22

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1966.264+/-0.374 χ^2/NDF: 814351.7/28

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

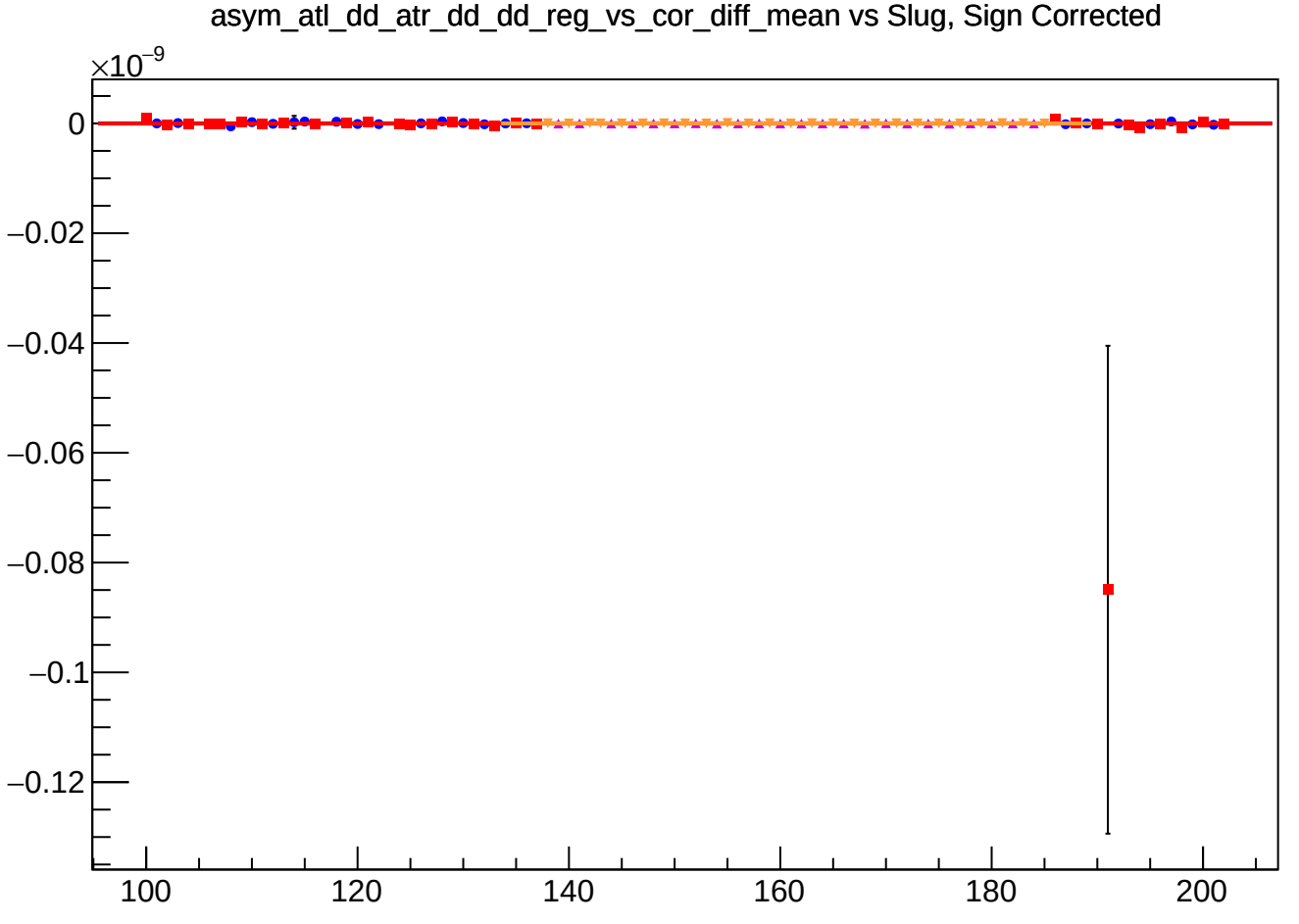
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1947.654+/-0.271 χ^2/NDF: 1478546.2/51

In: 1511.271+/-0.197 χ^2/NDF:2208058.8/45

Out: 1539.594+/-0.192 χ^2/NDF:2921792.0/53

All: 1525.768+/-0.137 χ^2/NDF: 5140471.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/28

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

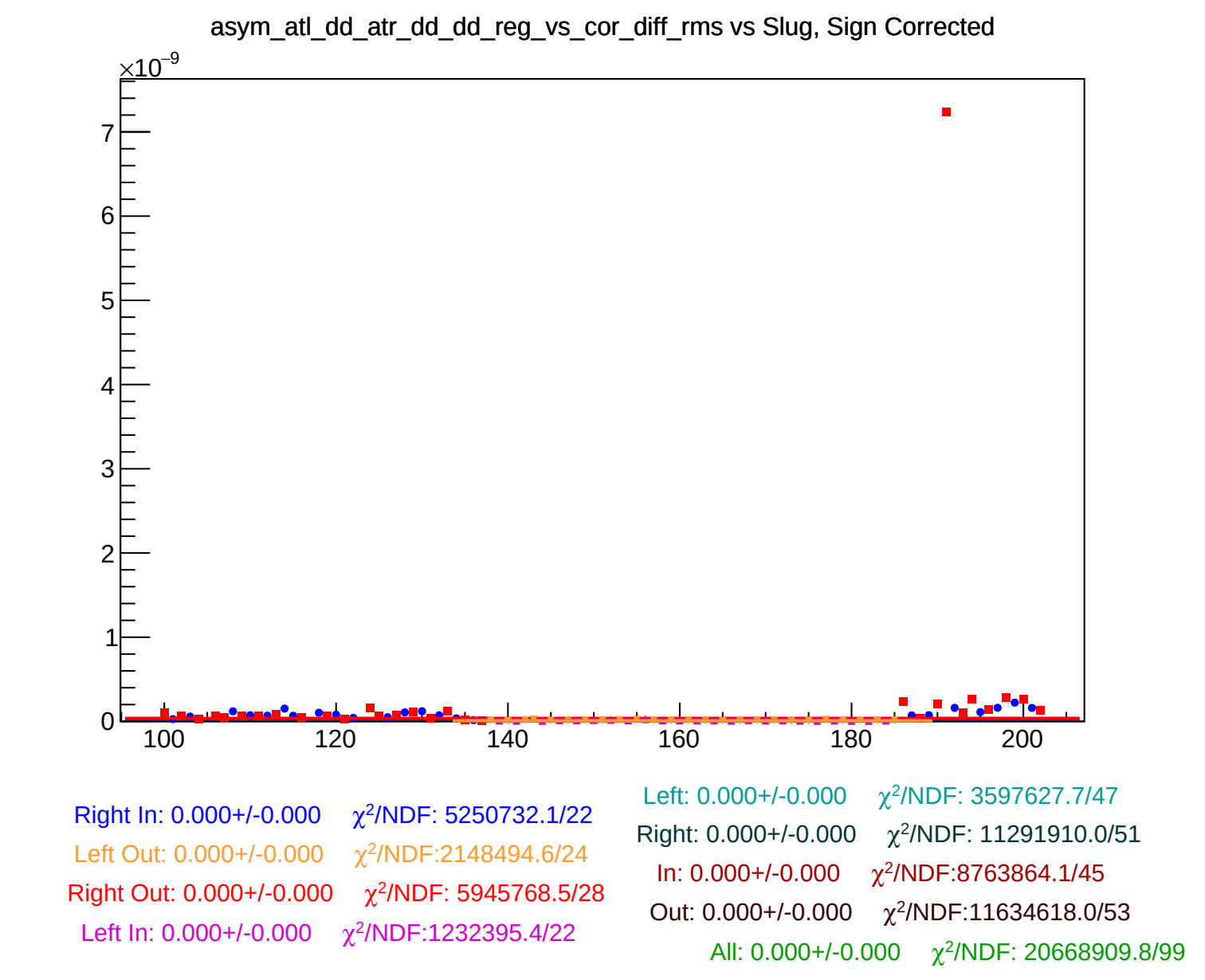
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 65.7/51

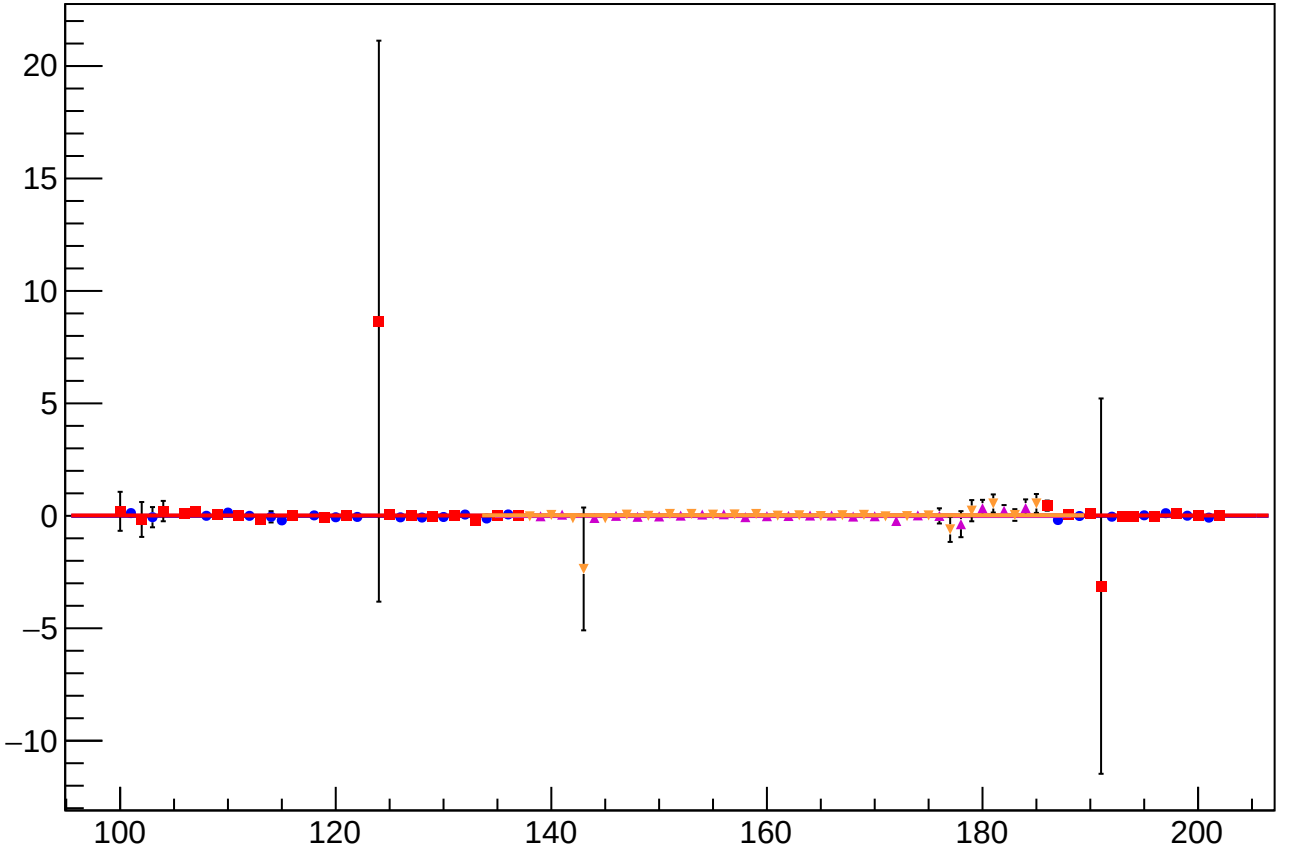
In: 0.000+/-0.000 χ^2/NDF:34.4/45

Out: 0.000+/-0.000 χ^2/NDF:69.7/53

All: 0.000+/-0.000 χ^2/NDF: 104.1/99


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5250732.1/22
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5945768.5/28
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
Left: 0.000+/-0.000 χ²/NDF: 3597627.7/47
Right: 0.000+/-0.000 χ²/NDF: 11291910.0/51
In: 0.000+/-0.000 χ²/NDF:8763864.1/45
Out: 0.000+/-0.000 χ²/NDF:11634618.0/53
All: 0.000+/-0.000 χ²/NDF: 20668909.8/99

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

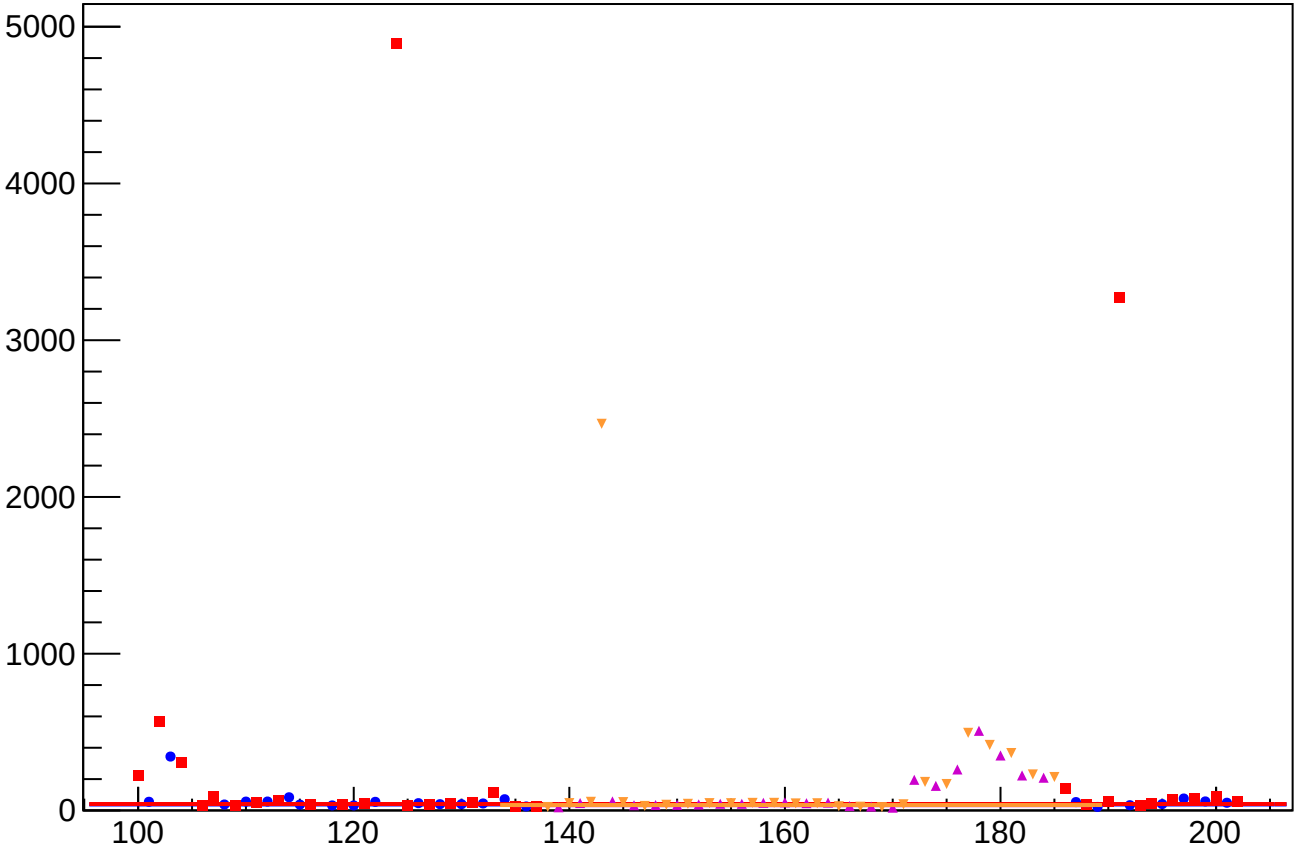
Right: 0.007+/-0.009 χ^2/NDF: 49.0/51

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.007+/-0.006 χ^2/NDF: 92.1/99

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

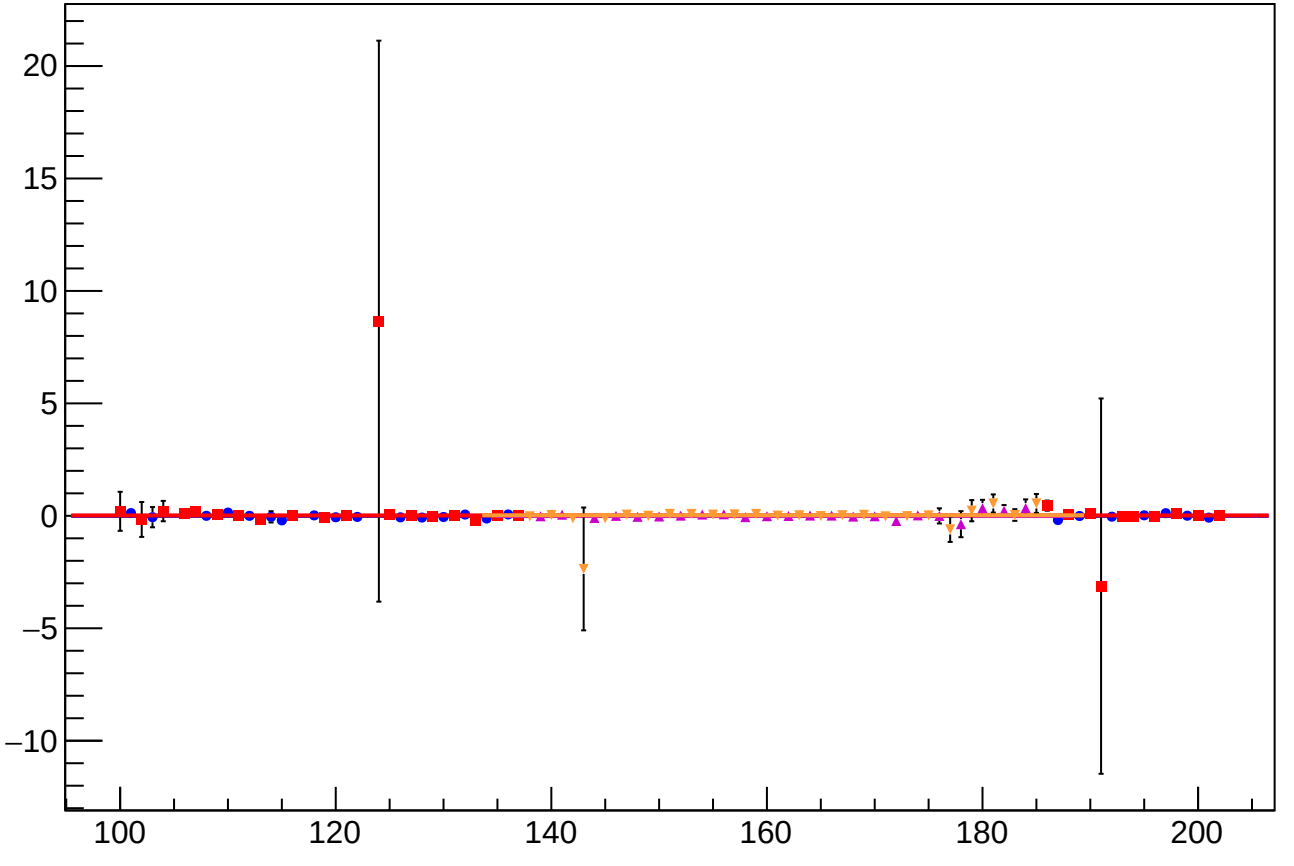
Right: 39.597+/-0.006 χ^2/NDF: 8387403.0/51

In: 35.345+/-0.006 χ^2/NDF:13188954.0/45

Out: 37.108+/-0.006 χ^2/NDF:17086472.3/53

All: 36.201+/-0.004 χ^2/NDF: 30325067.9/99

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

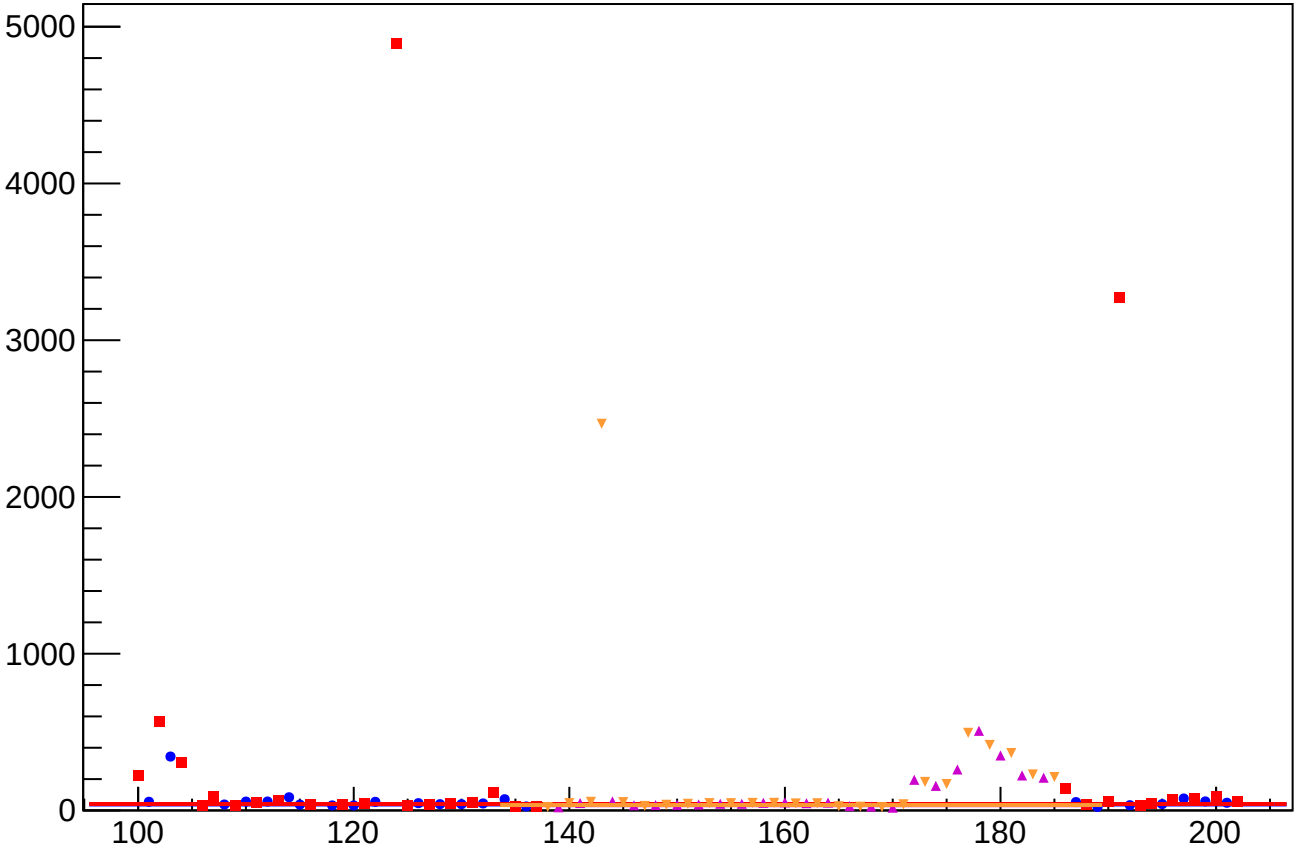
Right: 0.007+/-0.009 χ^2/NDF: 49.0/51

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.007+/-0.006 χ^2/NDF: 92.1/99

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

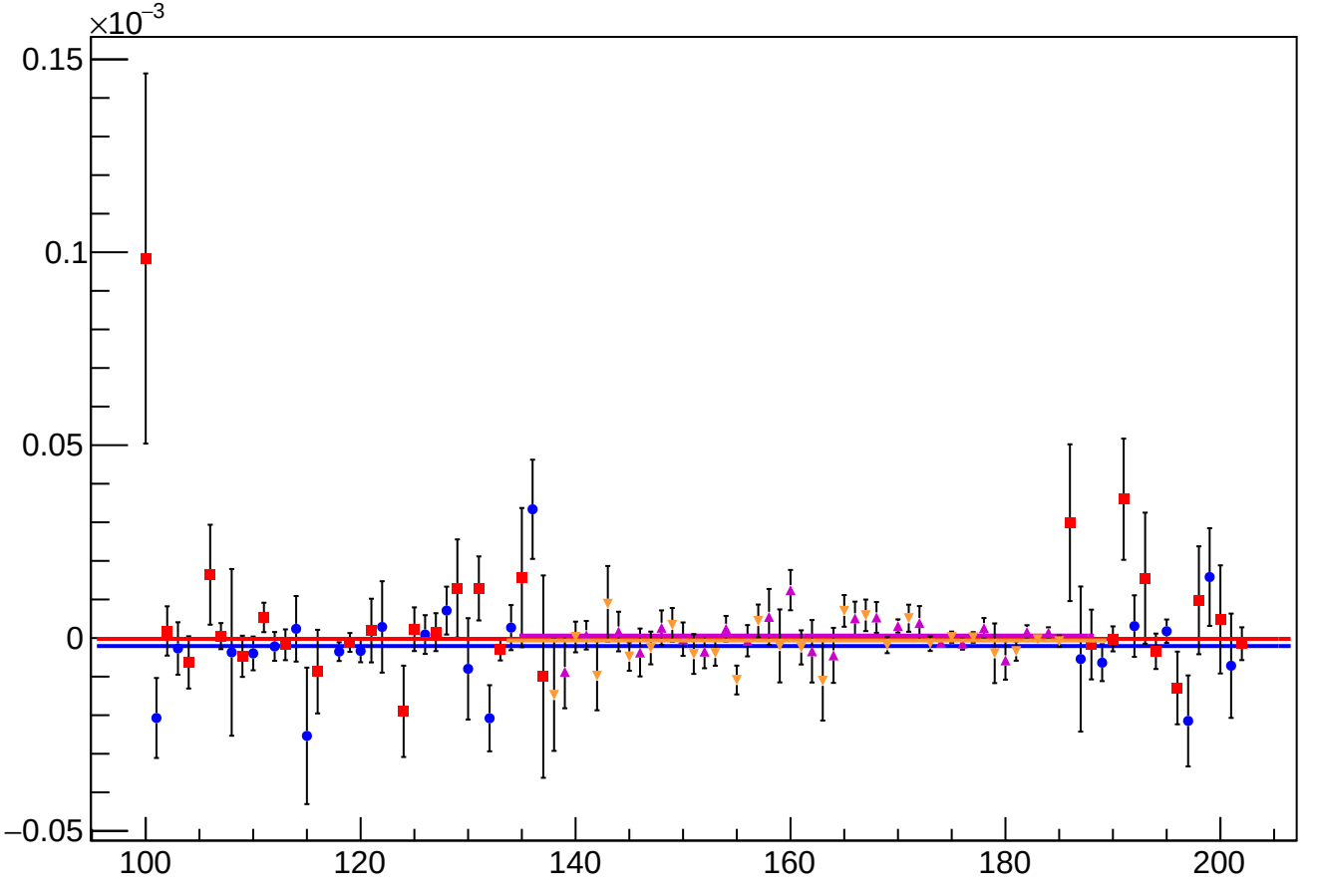
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 39.597+/-0.006 χ^2/NDF: 8387403.0/51

In: 35.345+/-0.006 χ^2/NDF:13188954.0/45

Out: 37.108+/-0.006 χ^2/NDF:17086472.3/53

All: 36.201+/-0.004 χ^2/NDF: 30325067.9/99



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

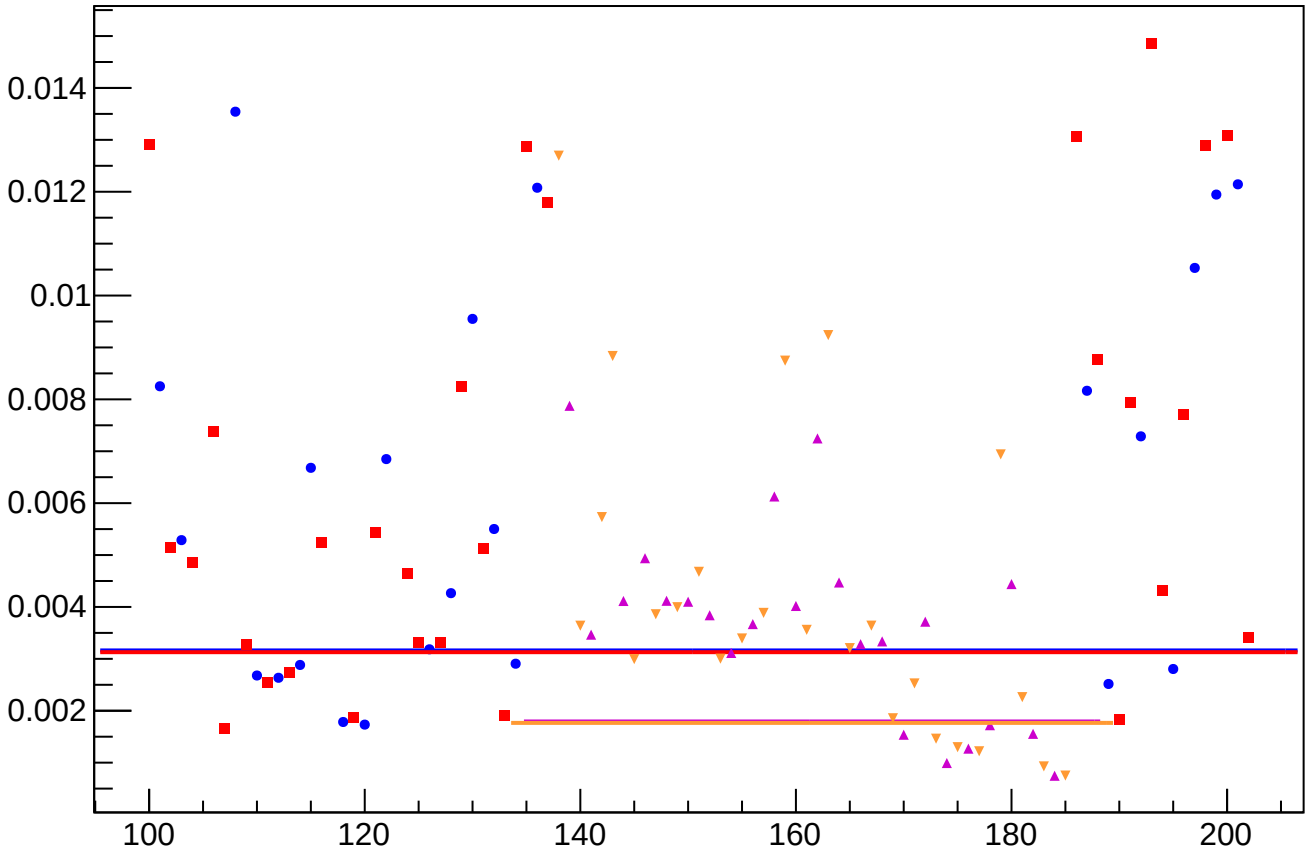
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.5/51

In: 0.000+/-0.000 χ^2/NDF:56.3/45

Out: -0.000+/-0.000 χ^2/NDF:58.8/53

All: -0.000+/-0.000 χ^2/NDF: 116.1/99



Right In: 0.003+/-0.000 χ^2/NDF: 7615520.0/22

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8809245.7/28

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

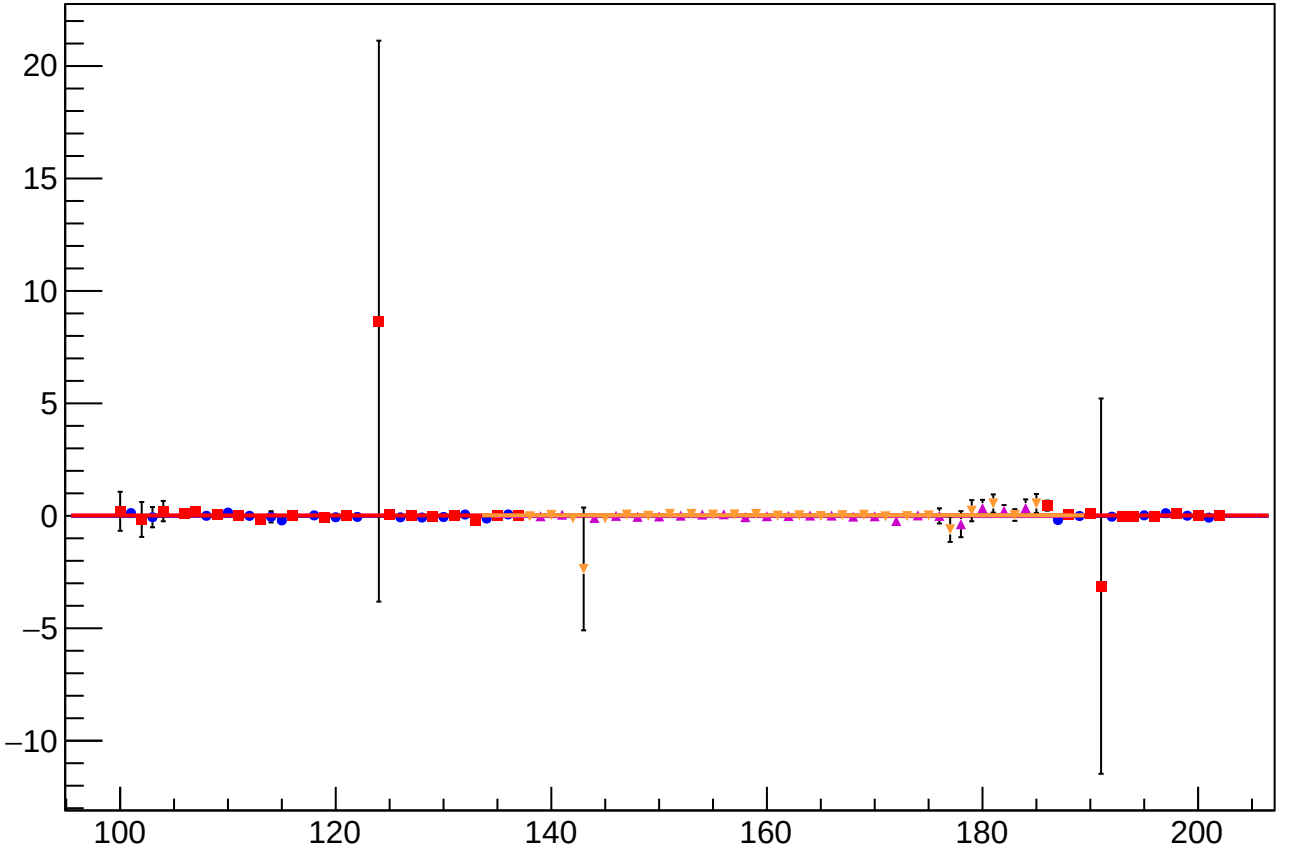
Right: 0.003+/-0.000 χ^2/NDF: 16425737.6/51

In: 0.002+/-0.000 χ^2/NDF:20746531.7/45

Out: 0.002+/-0.000 χ^2/NDF:24598258.5/53

All: 0.002+/-0.000 χ^2/NDF: 45345025.5/99

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

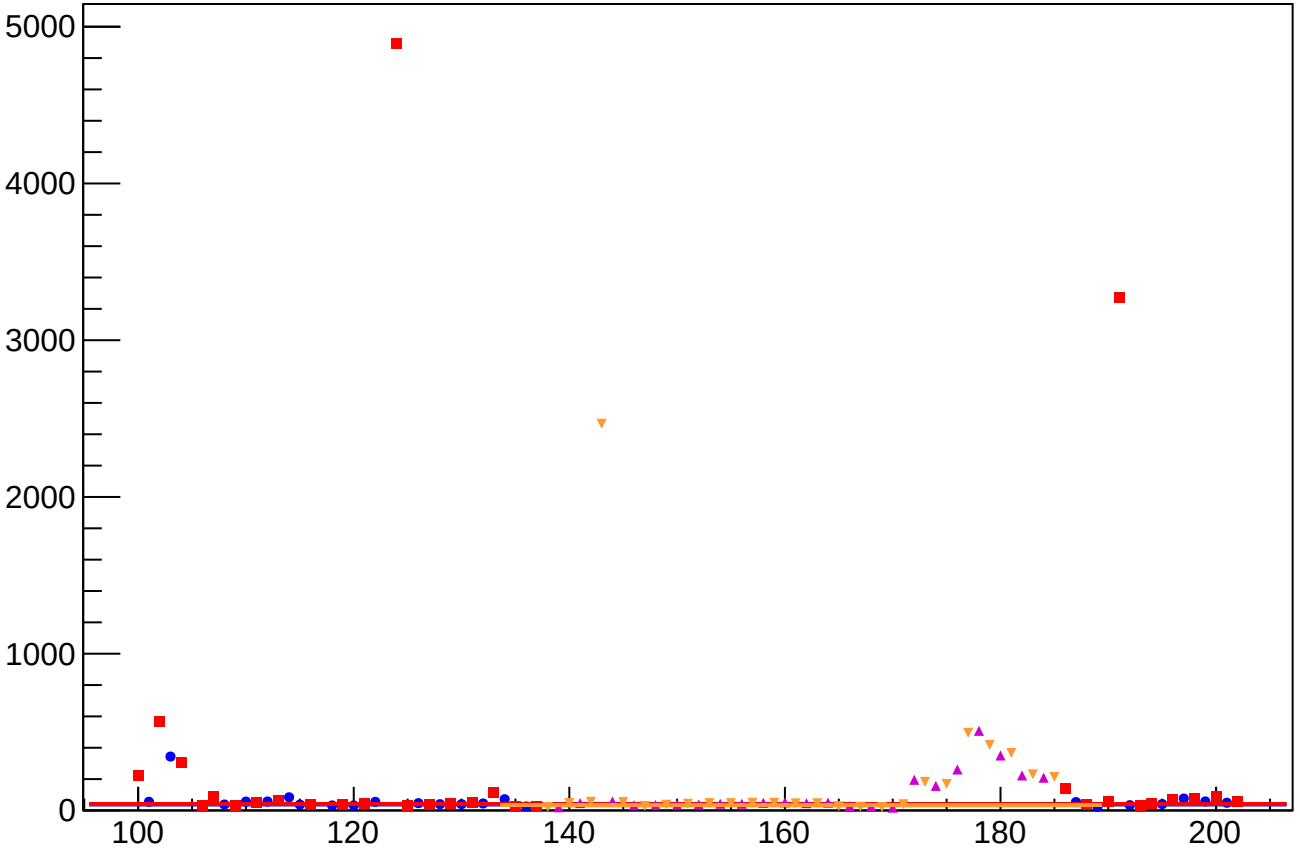
Right: 0.007+/-0.009 χ^2/NDF: 49.0/51

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.007+/-0.006 χ^2/NDF: 92.1/99

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.154+/-0.009 χ^2/NDF: 2958913.6/22

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

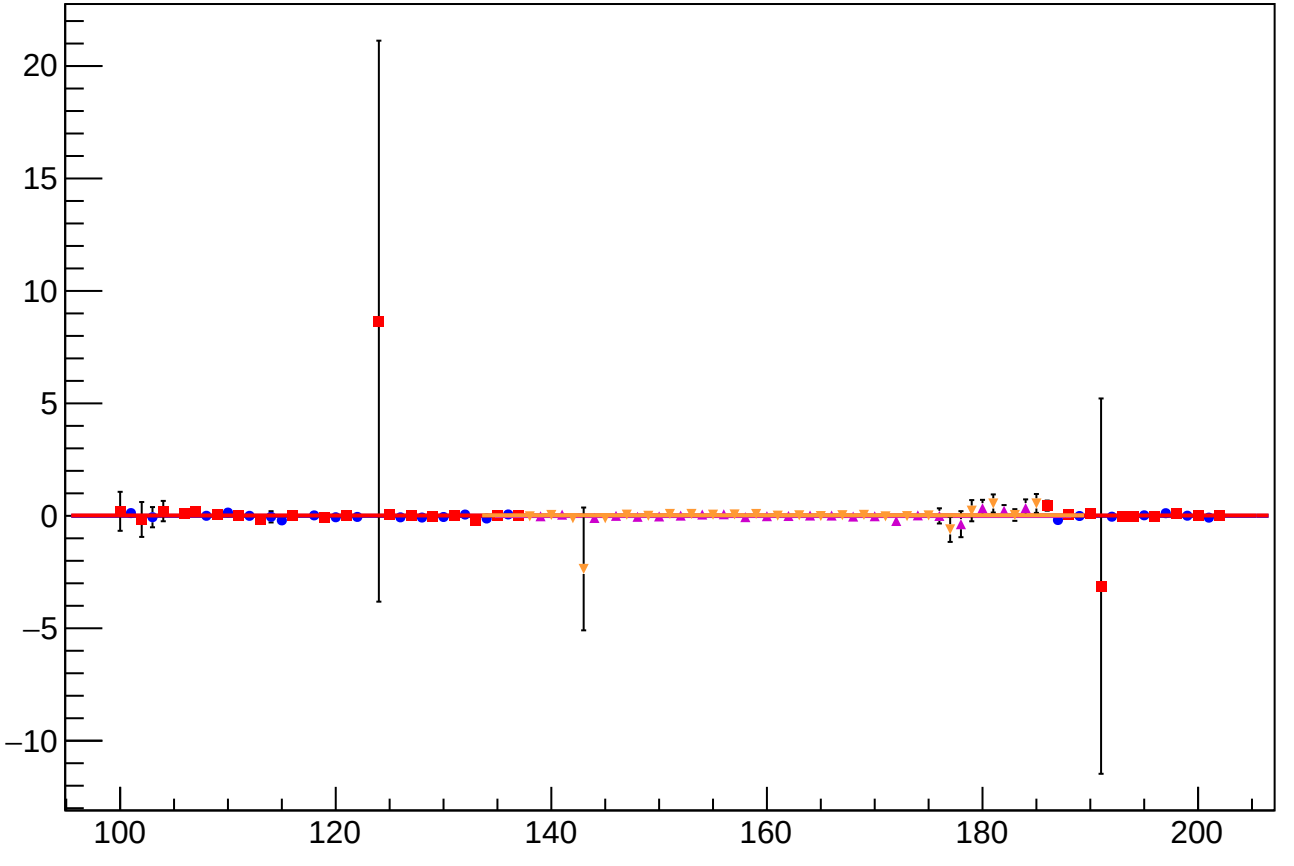
Right: 39.599+/-0.006 χ^2/NDF: 8386320.4/51

In: 35.347+/-0.006 χ^2/NDF:13186827.0/45

Out: 37.107+/-0.006 χ^2/NDF:17086538.5/53

All: 36.202+/-0.004 χ^2/NDF: 30322858.2/99

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

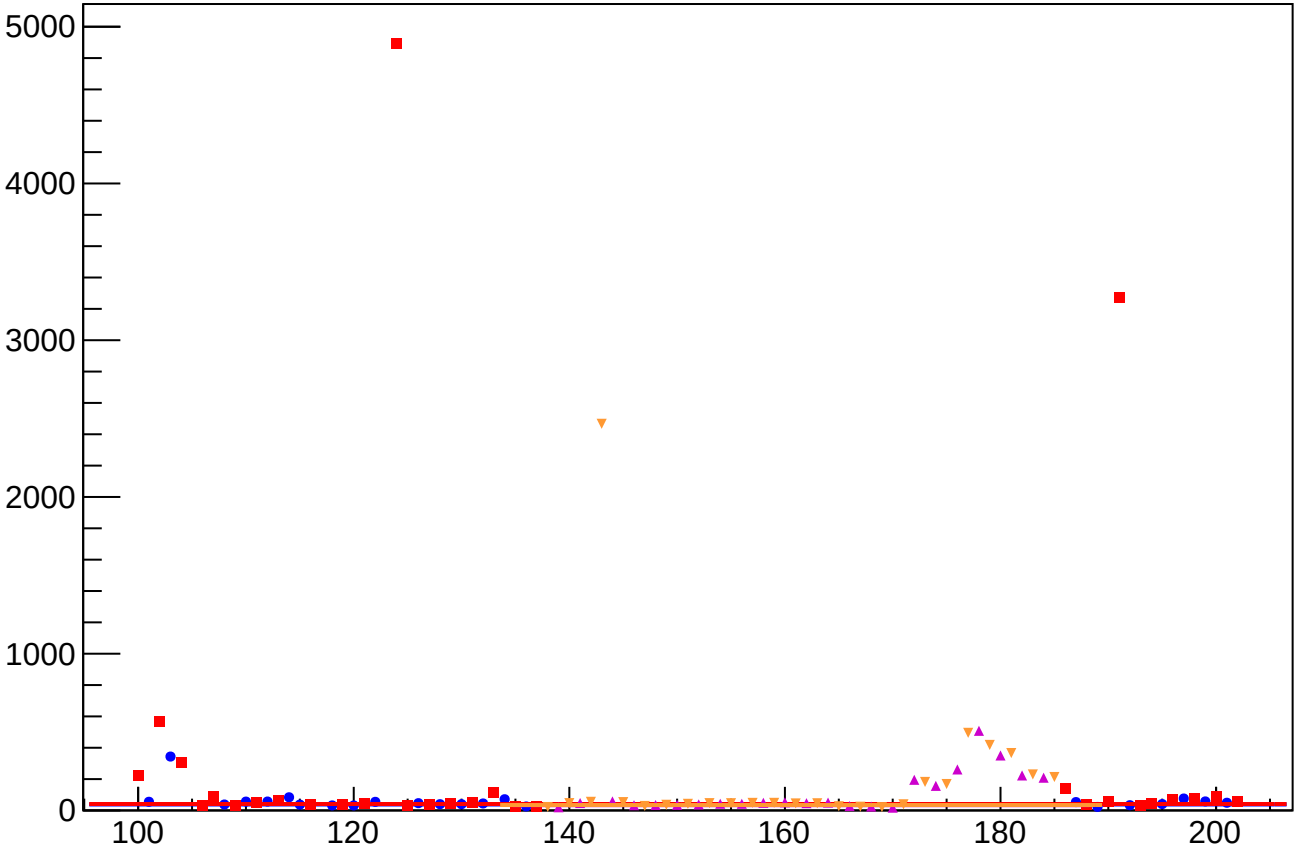
Right: 0.007+/-0.009 χ^2/NDF: 49.0/51

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.007+/-0.006 χ^2/NDF: 92.1/99

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.154+/-0.009 χ^2/NDF: 2958913.6/22

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

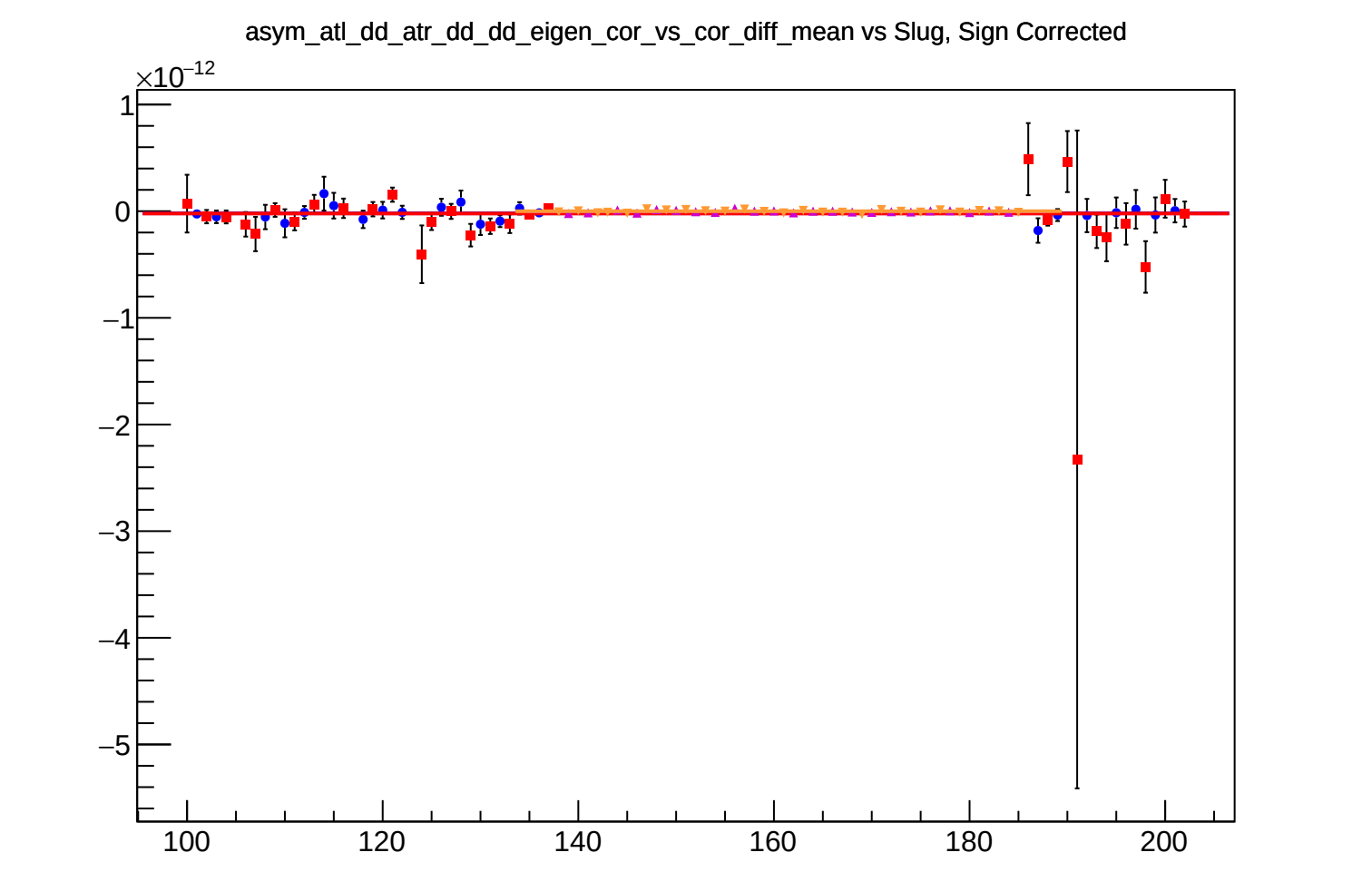
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 39.599+/-0.006 χ^2/NDF: 8386320.4/51

In: 35.347+/-0.006 χ^2/NDF:13186827.0/45

Out: 37.107+/-0.006 χ^2/NDF:17086538.5/53

All: 36.202+/-0.004 χ^2/NDF: 30322858.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.0/28

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

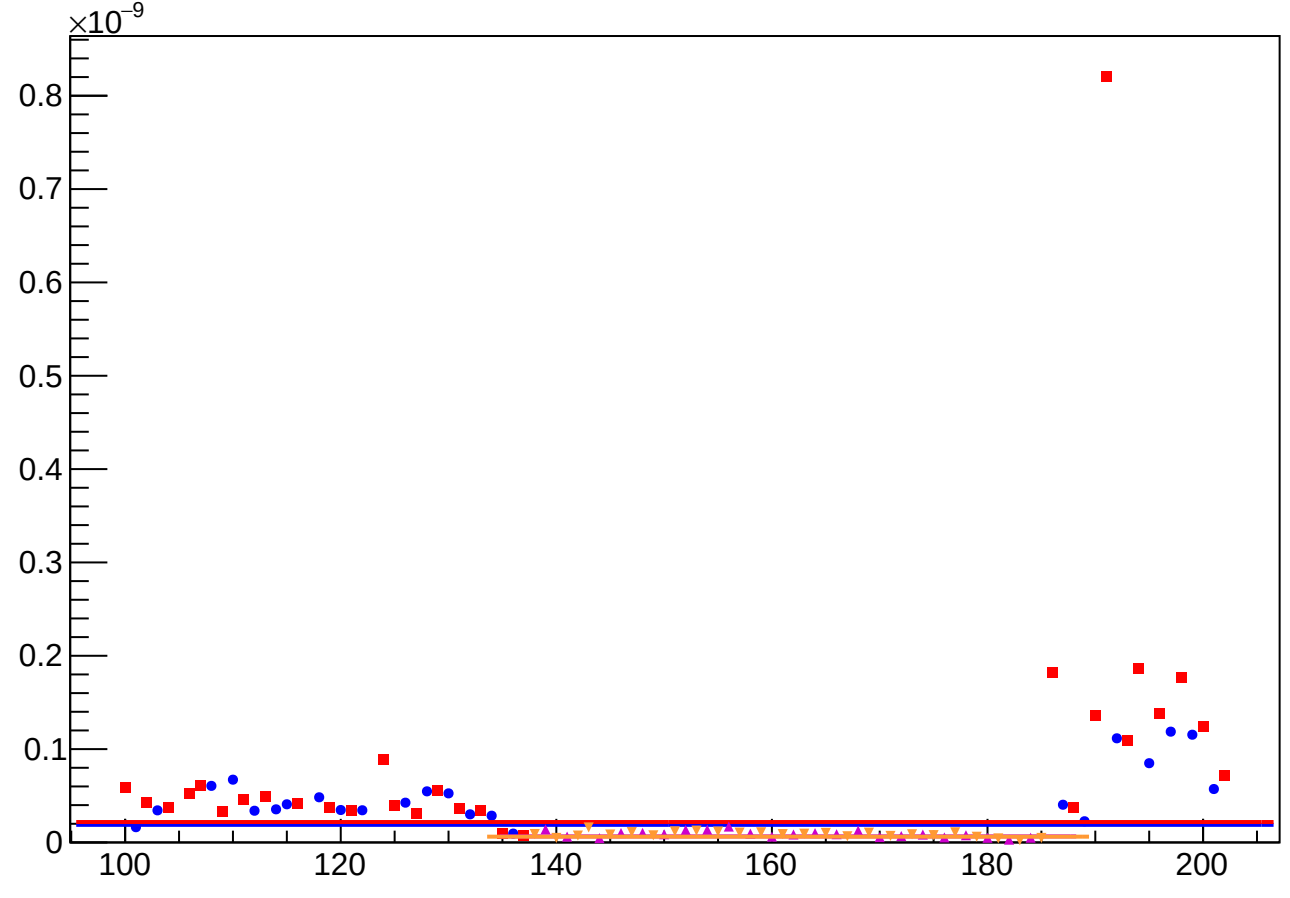
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 52.6/51

In: -0.000+/-0.000 χ^2/NDF:33.7/45

Out: -0.000+/-0.000 χ^2/NDF:72.0/53

All: -0.000+/-0.000 χ^2/NDF: 106.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 6033110.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9233361.7/28

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

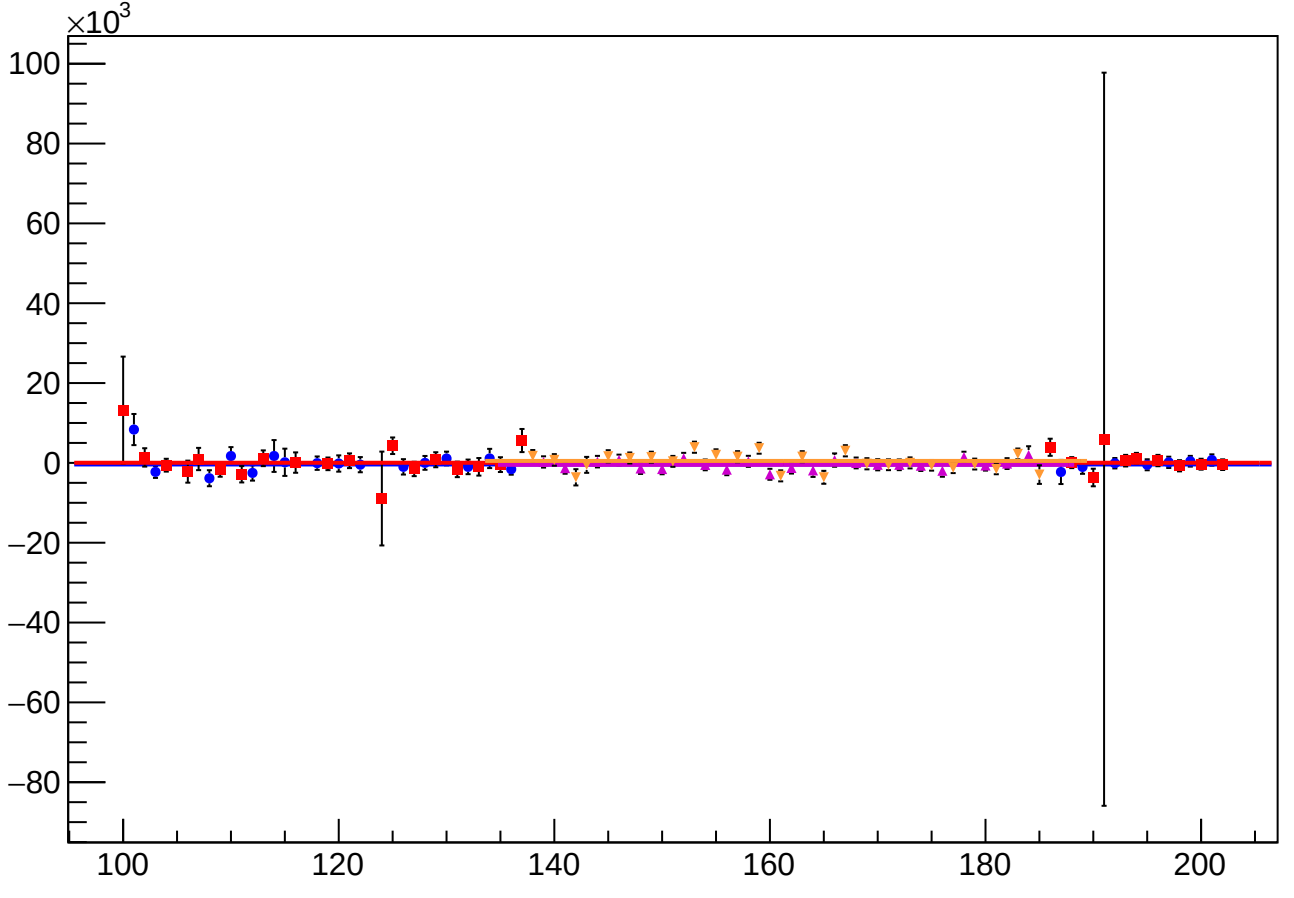
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 15354789.2/51

In: 0.000+/-0.000 χ^2/NDF:13197849.3/45

Out: 0.000+/-0.000 χ^2/NDF:18501430.0/53

All: 0.000+/-0.000 χ^2/NDF: 31724077.4/99



Right In: -394.656+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 30.557+/-347.386 χ^2/NDF: 23.5/28

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

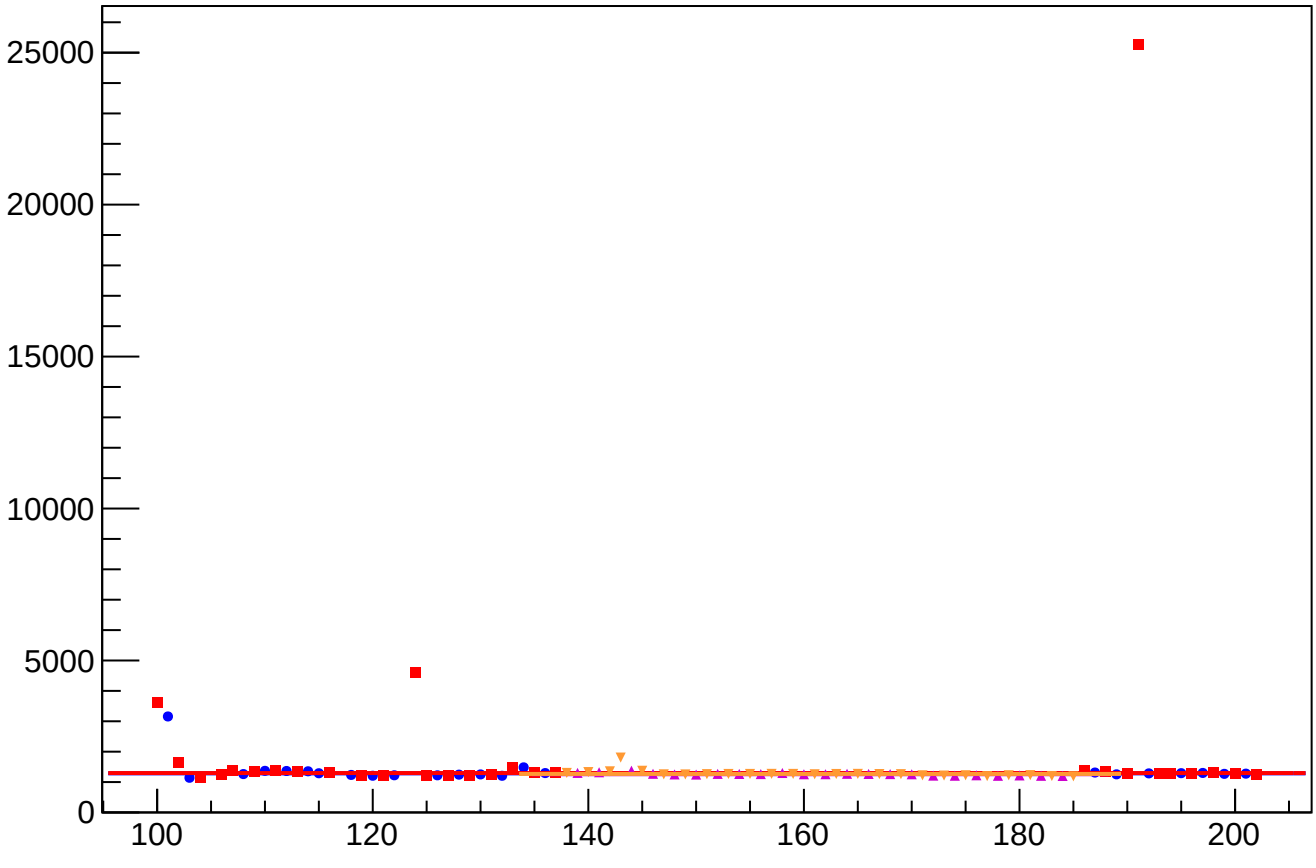
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -168.523+/-253.332 χ^2/NDF: 40.0/51

In: -451.214+/-230.127 χ^2/NDF:30.3/45

Out: 303.688+/-221.940 χ^2/NDF:71.5/53

All: -60.096+/-159.751 χ^2/NDF: 107.3/99



Right In: 1286.533+/-0.262 χ^2/NDF: 516207.6/22

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.553+/-0.245 χ^2/NDF: 467821.5/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

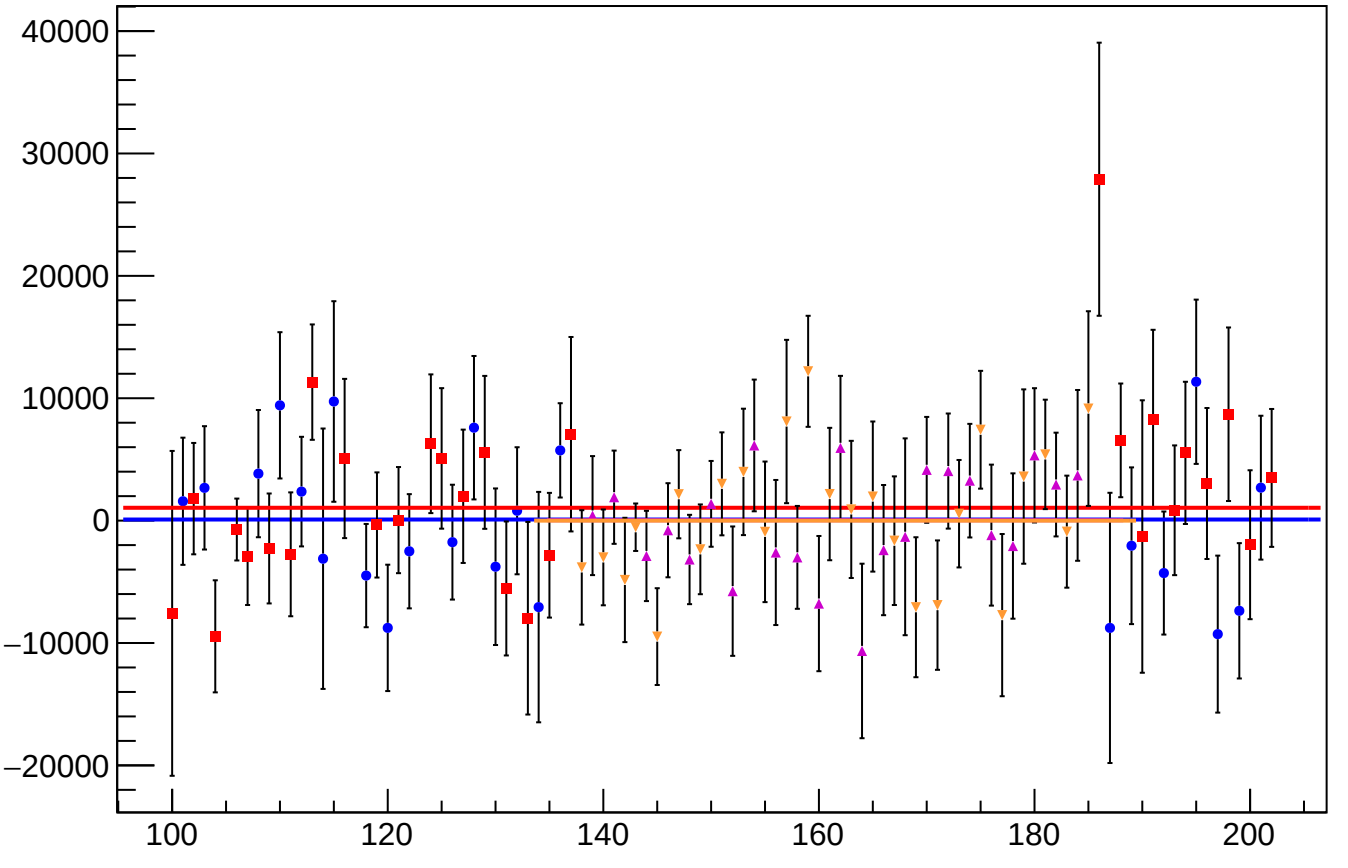
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1291.868+/-0.179 χ^2/NDF: 984809.1/51

In: 1268.748+/-0.163 χ^2/NDF:560544.4/45

Out: 1279.063+/-0.157 χ^2/NDF:663965.9/53

All: 1274.095+/-0.113 χ^2/NDF: 1226592.9/99



Right In: 89.768+/-1154.948 χ^2/NDF: 22.8/22

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1049.679+/-970.752 χ^2/NDF: 29.9/28

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

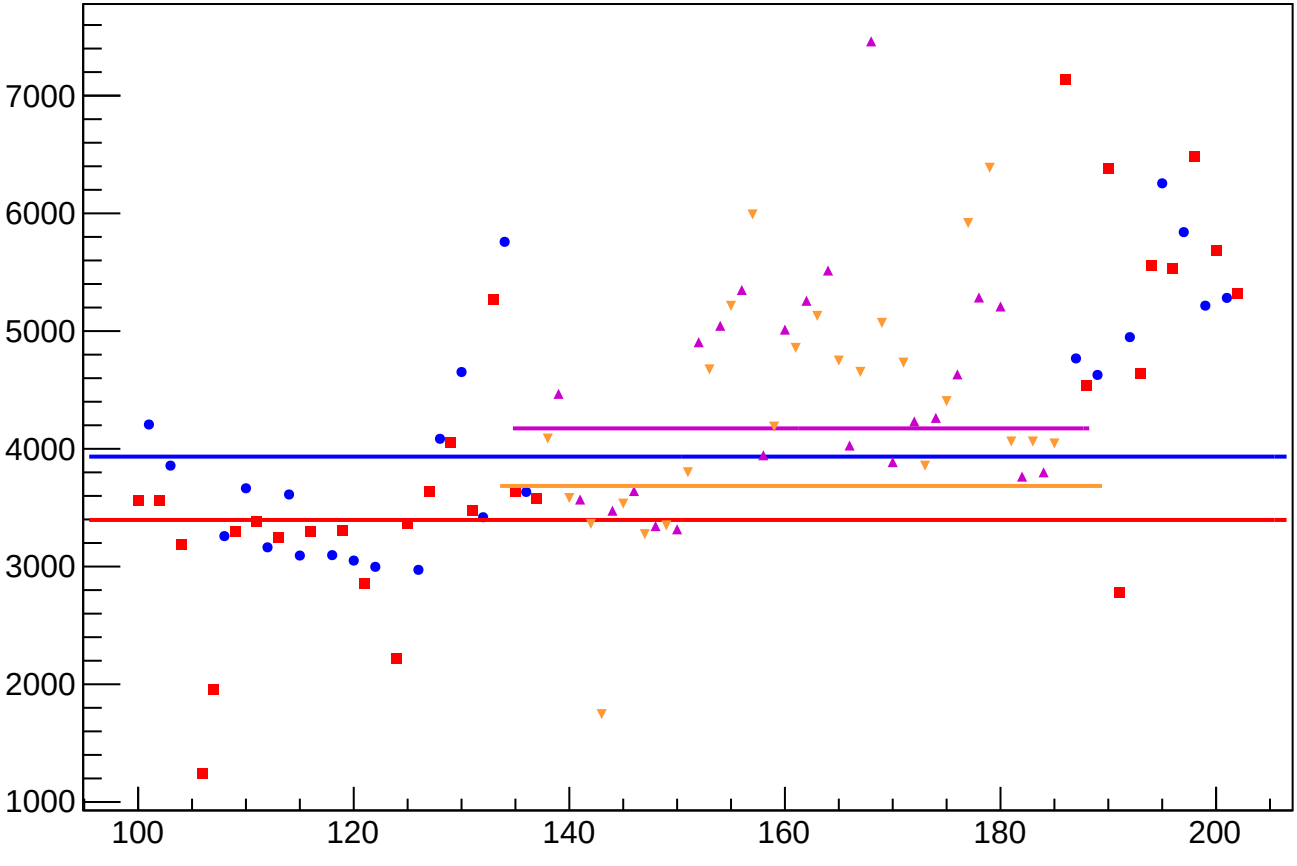
Right: 652.281+/-743.121 χ^2/NDF: 53.2/51

In: 56.386+/-753.982 χ^2/NDF:36.9/45

Out: 476.983+/-654.609 χ^2/NDF:59.6/53

All: 296.210+/-494.305 χ^2/NDF: 96.7/99

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3933.796+/-0.817 χ^2/NDF: 1306248.7/22

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3395.819+/-0.686 χ^2/NDF: 4012509.1/28

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

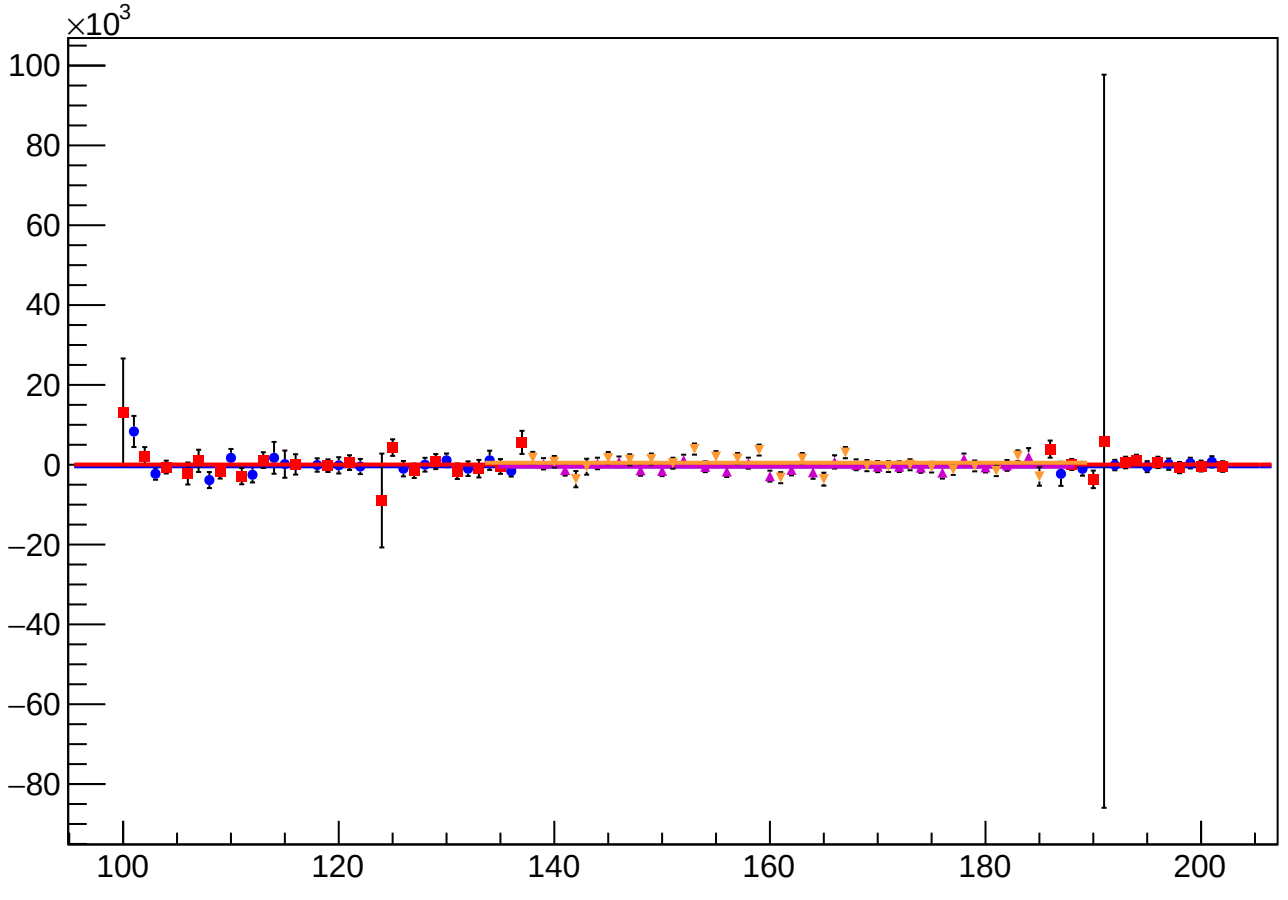
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3618.538+/-0.525 χ^2/NDF: 5573051.1/51

In: 4071.374+/-0.533 χ^2/NDF:2630674.4/45

Out: 3553.377+/-0.463 χ^2/NDF:7802777.4/53

All: 3776.013+/-0.350 χ^2/NDF: 10971708.7/9



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

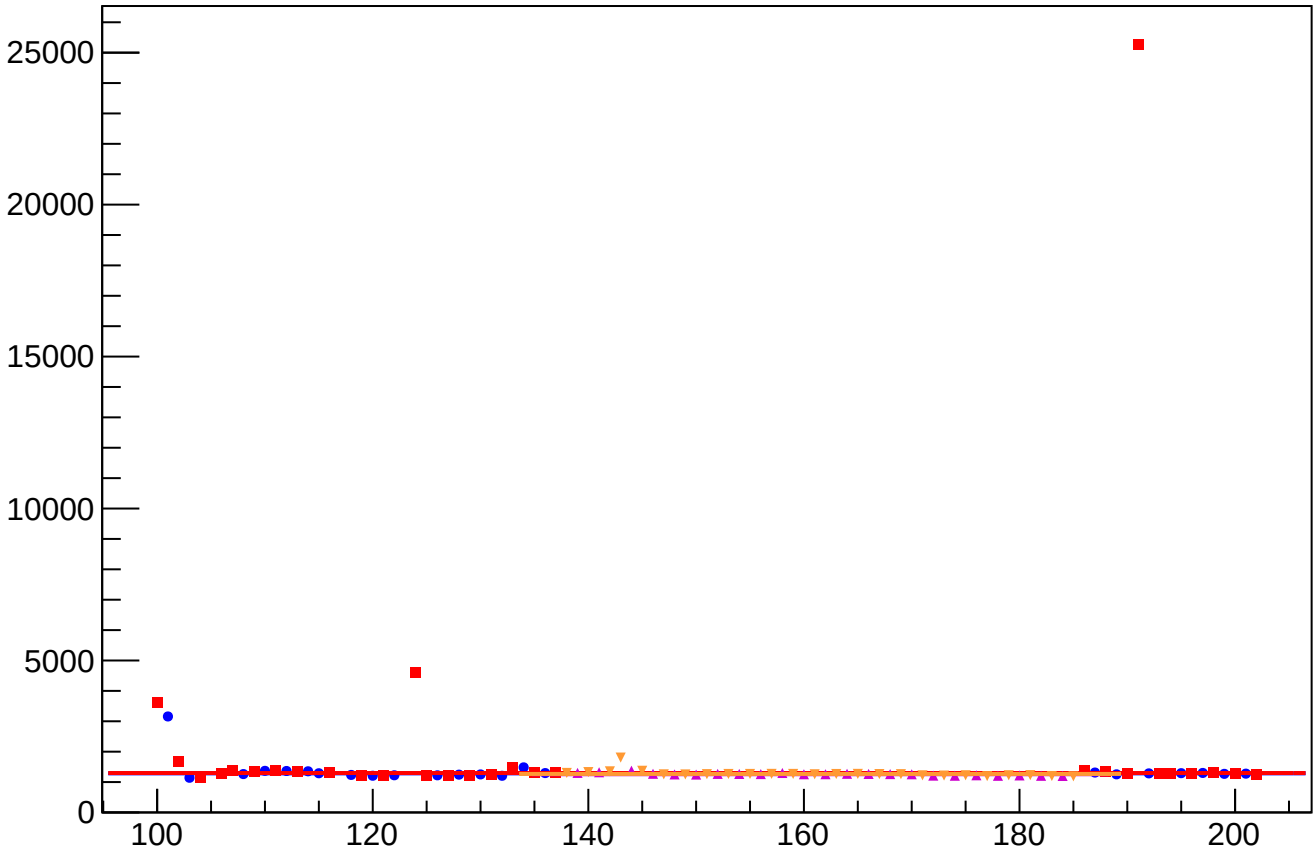
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -160.832+/-253.377 χ^2/NDF: 40.5/51

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -56.987+/-159.762 χ^2/NDF: 107.8/99



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

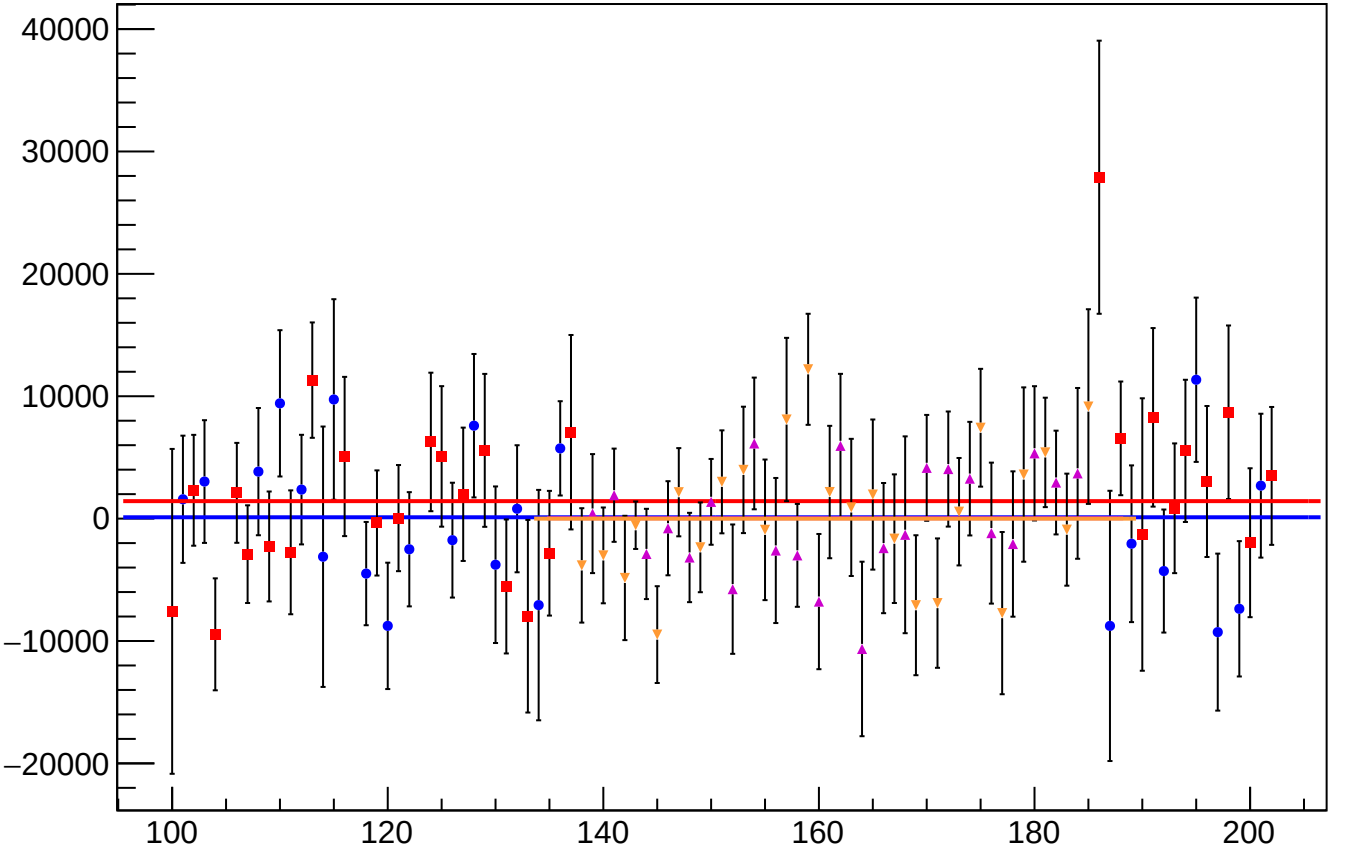
Right: 1292.411+/-0.179 χ^2/NDF: 991599.8/51

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

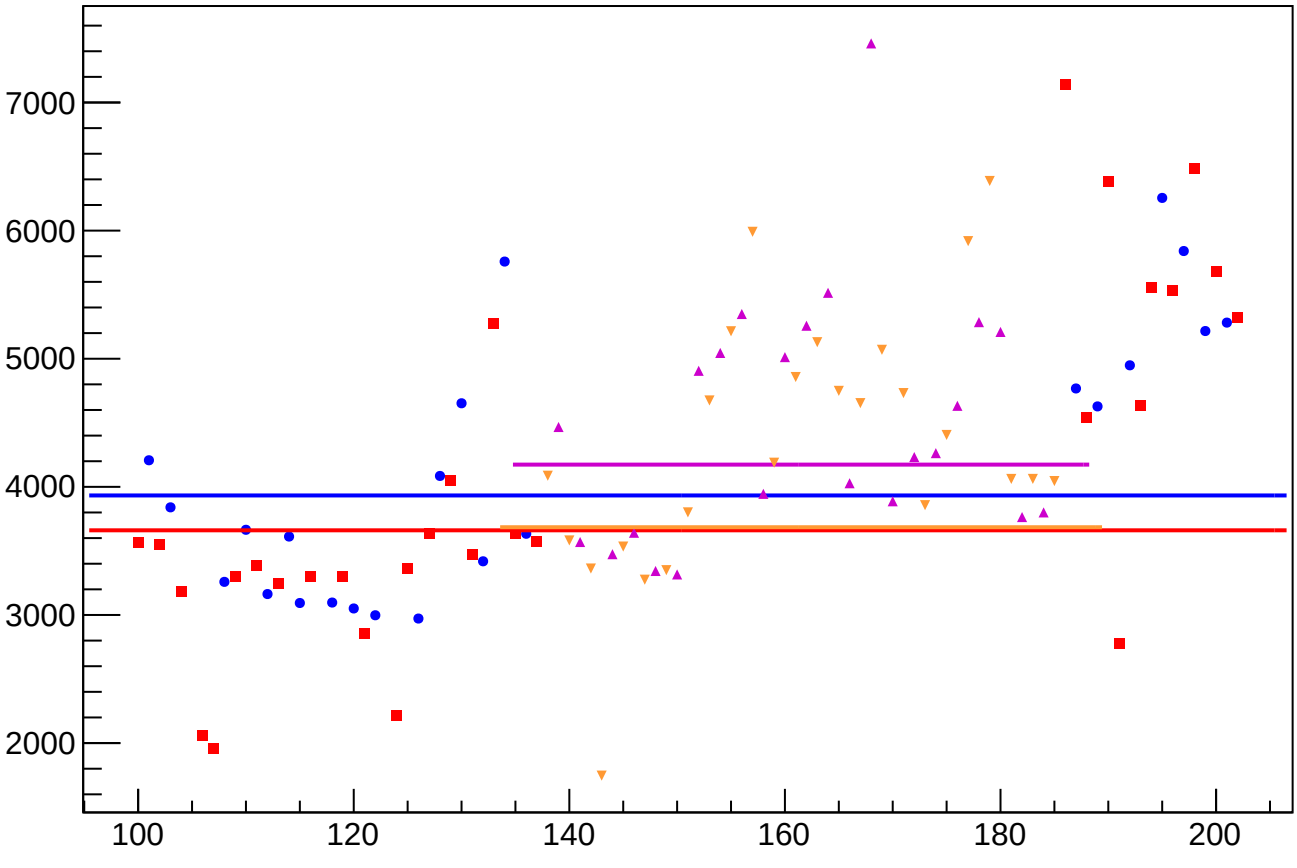
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 851.909+/-763.484 χ^2/NDF: 53.1/51

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 373.414+/-500.162 χ^2/NDF: 96.9/99



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

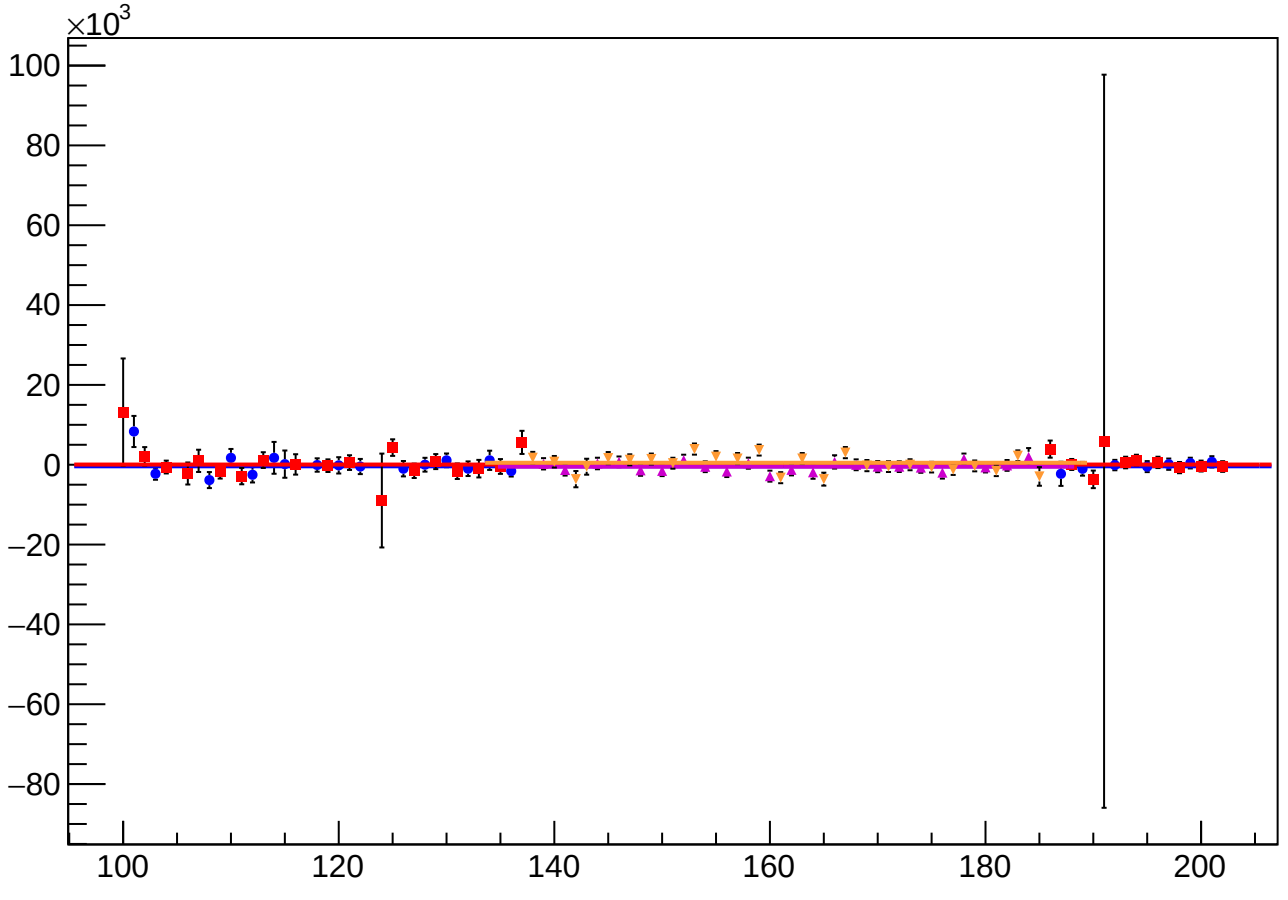
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3779.748+/-0.540 χ^2/NDF: 4008832.2/51

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

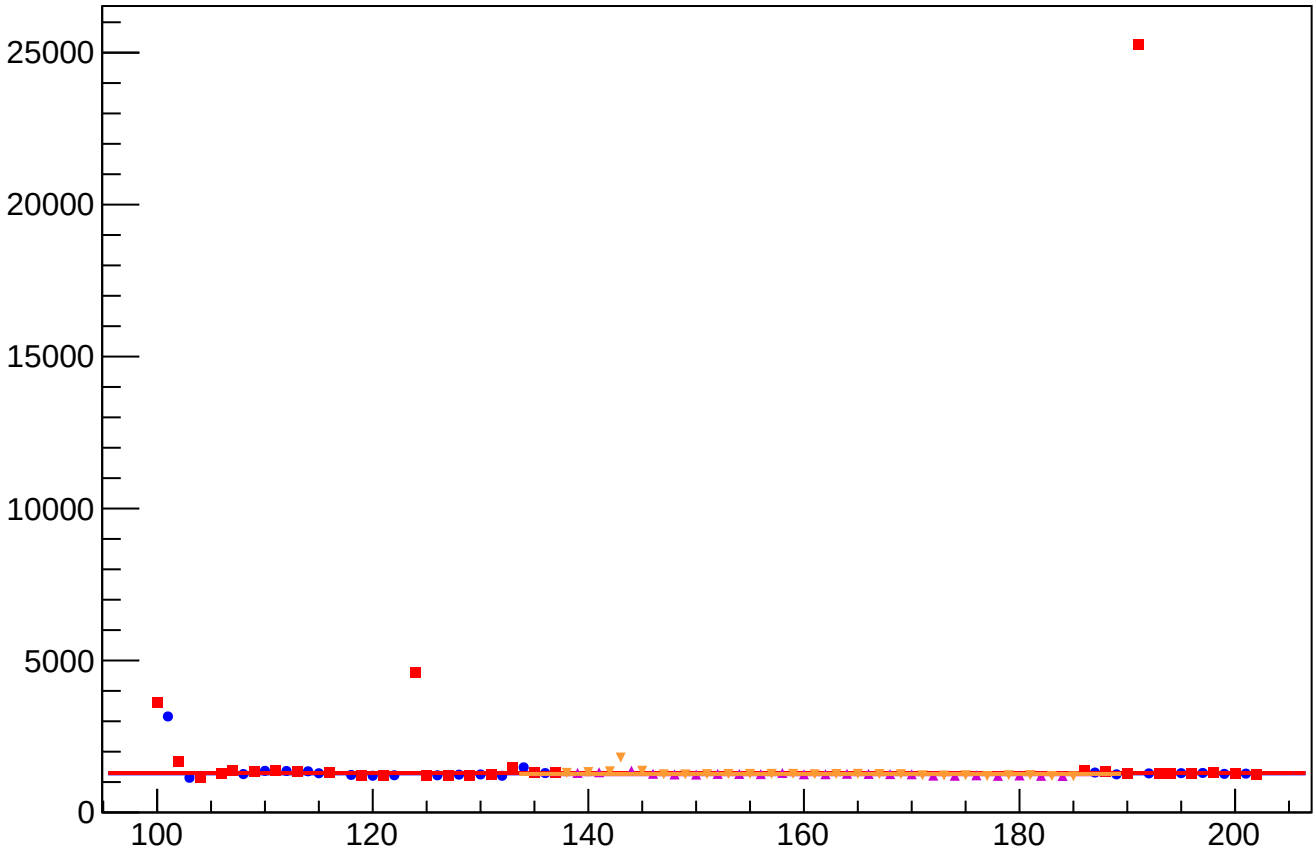
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -160.832+/-253.377 χ^2/NDF: 40.5/51

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -56.987+/-159.762 χ^2/NDF: 107.8/99



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

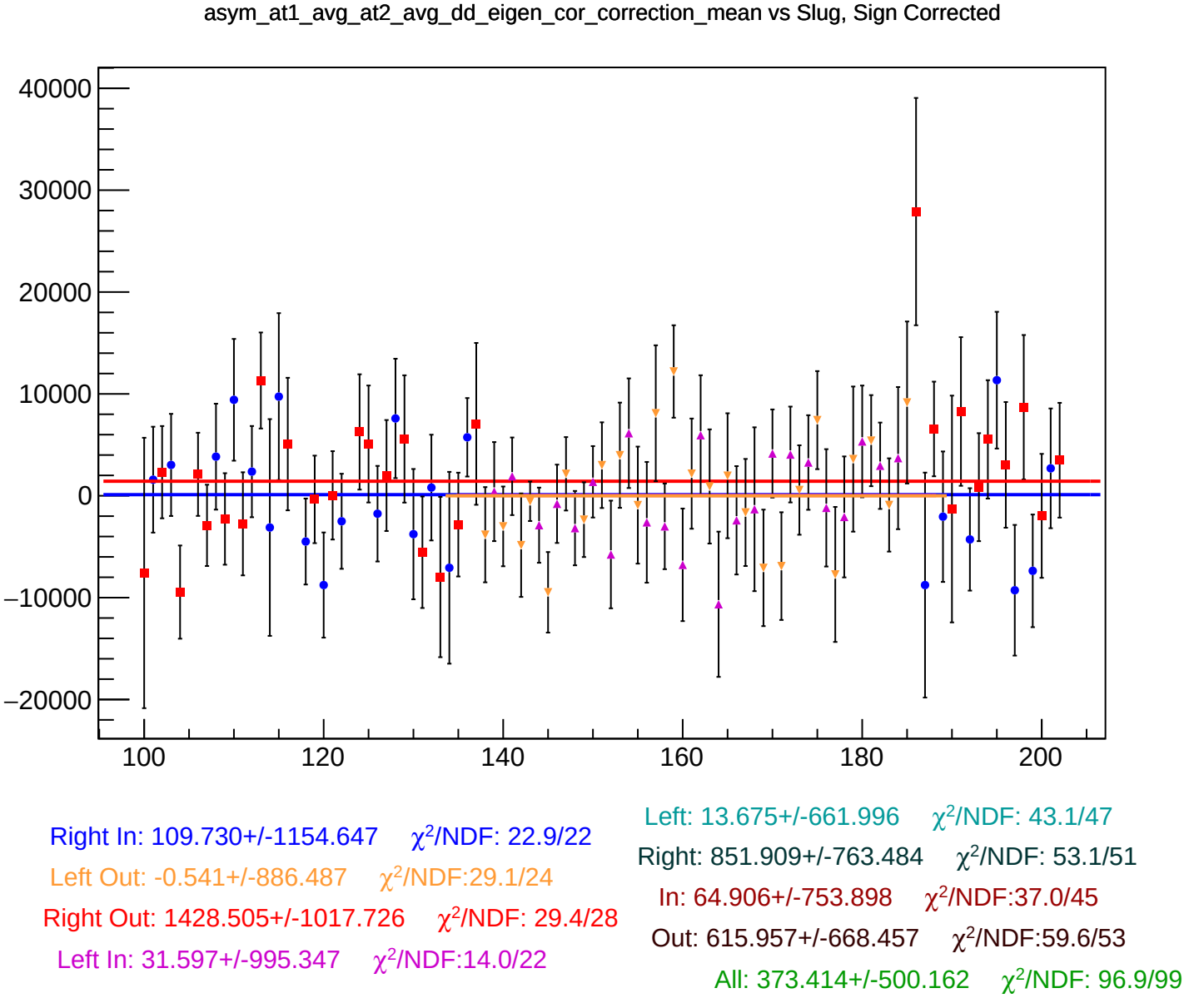
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

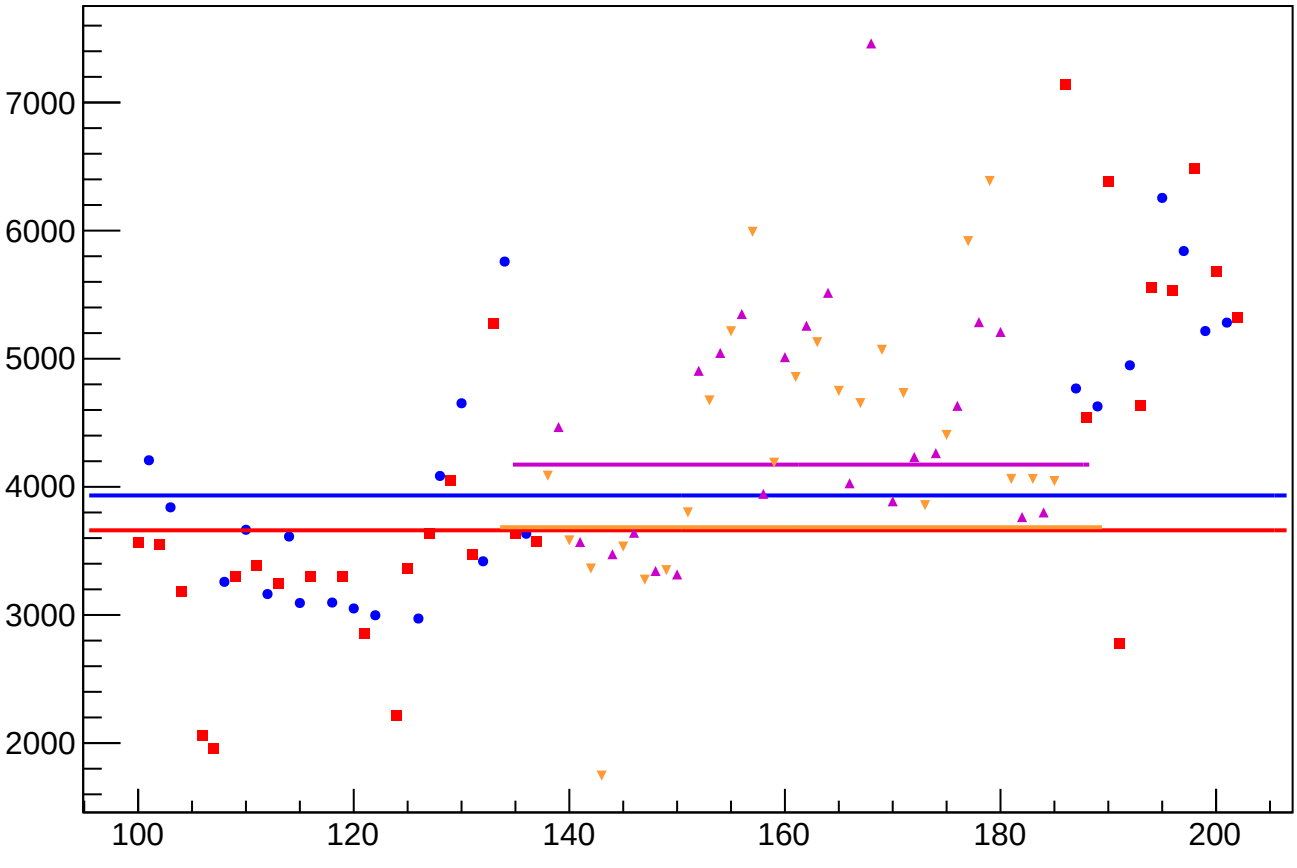
Right: 1292.411+/-0.179 χ^2/NDF: 991599.8/51

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 109.730+/-1154.647 χ²/NDF: 22.9/22
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1428.505+/-1017.726 χ²/NDF: 29.4/28
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 851.909+/-763.484 χ²/NDF: 53.1/51
In: 64.906+/-753.898 χ²/NDF:37.0/45
Out: 615.957+/-668.457 χ²/NDF:59.6/53
All: 373.414+/-500.162 χ²/NDF: 96.9/99



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

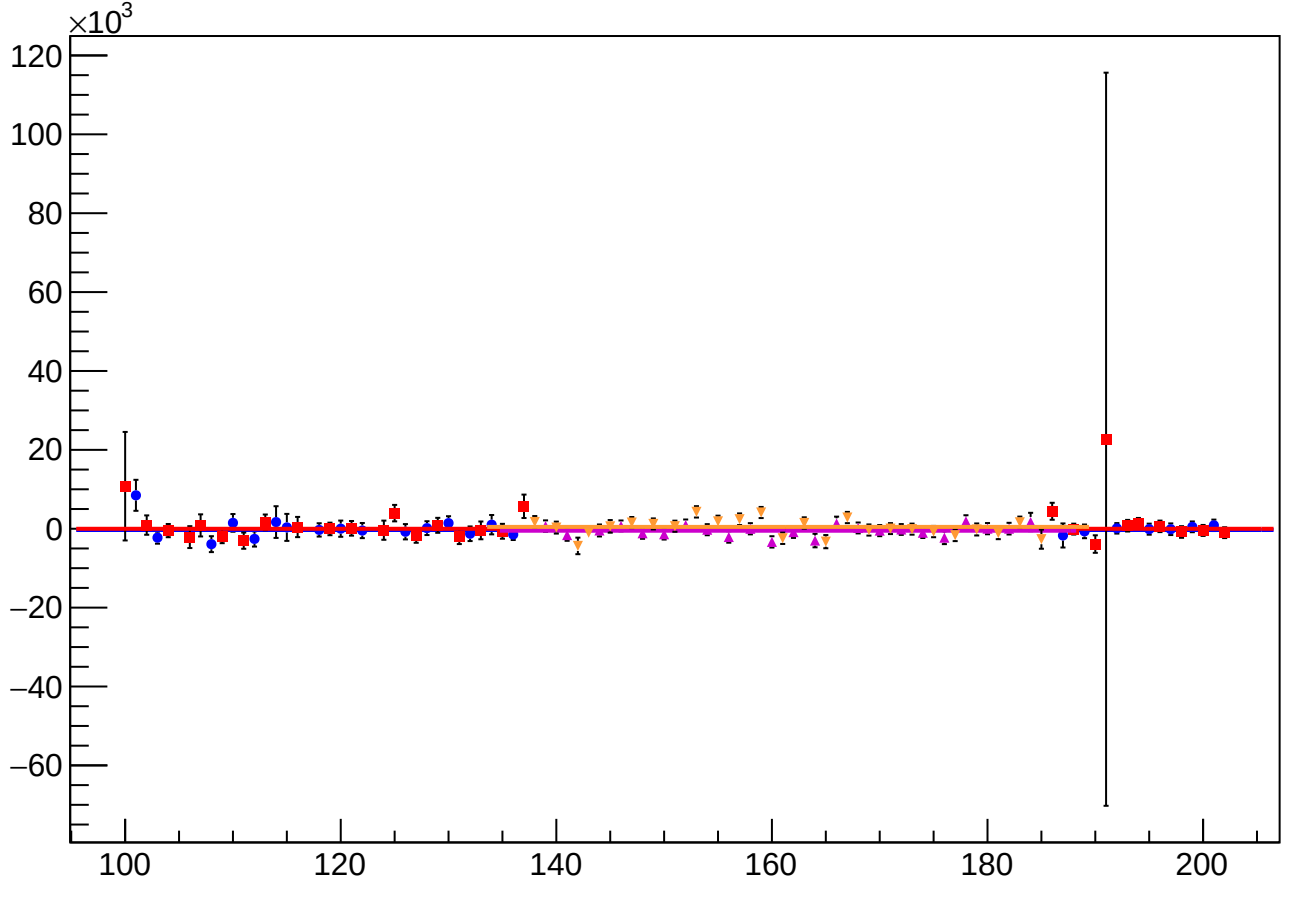
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3779.748+/-0.540 χ^2/NDF: 4008832.2/51

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.934+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

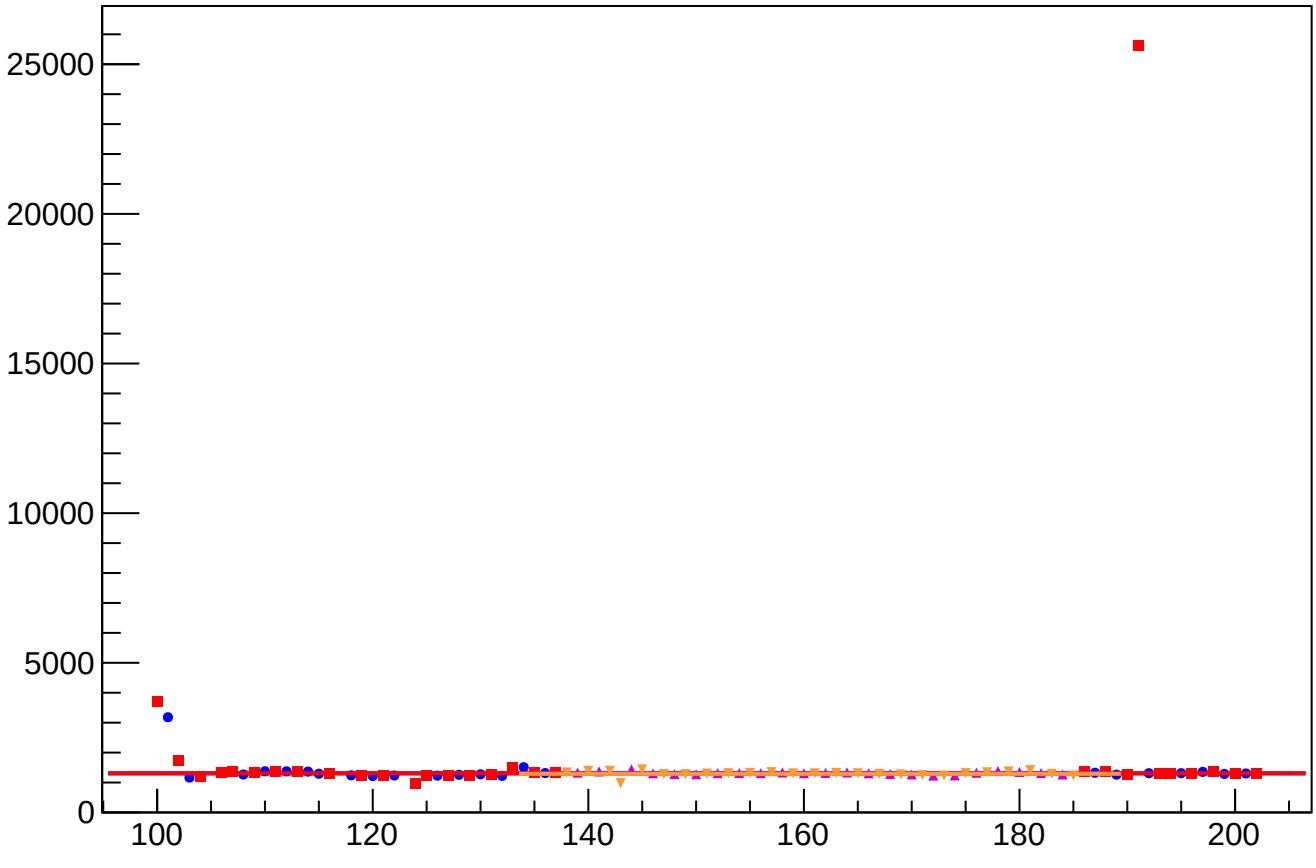
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -154.957+/-256.097 χ^2/NDF: 40.9/51

In: -430.438+/-237.760 χ^2/NDF:33.4/45

Out: 269.613+/-225.229 χ^2/NDF:69.9/53

All: -61.478+/-163.512 χ^2/NDF: 107.9/99



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.5/22

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.3/28

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

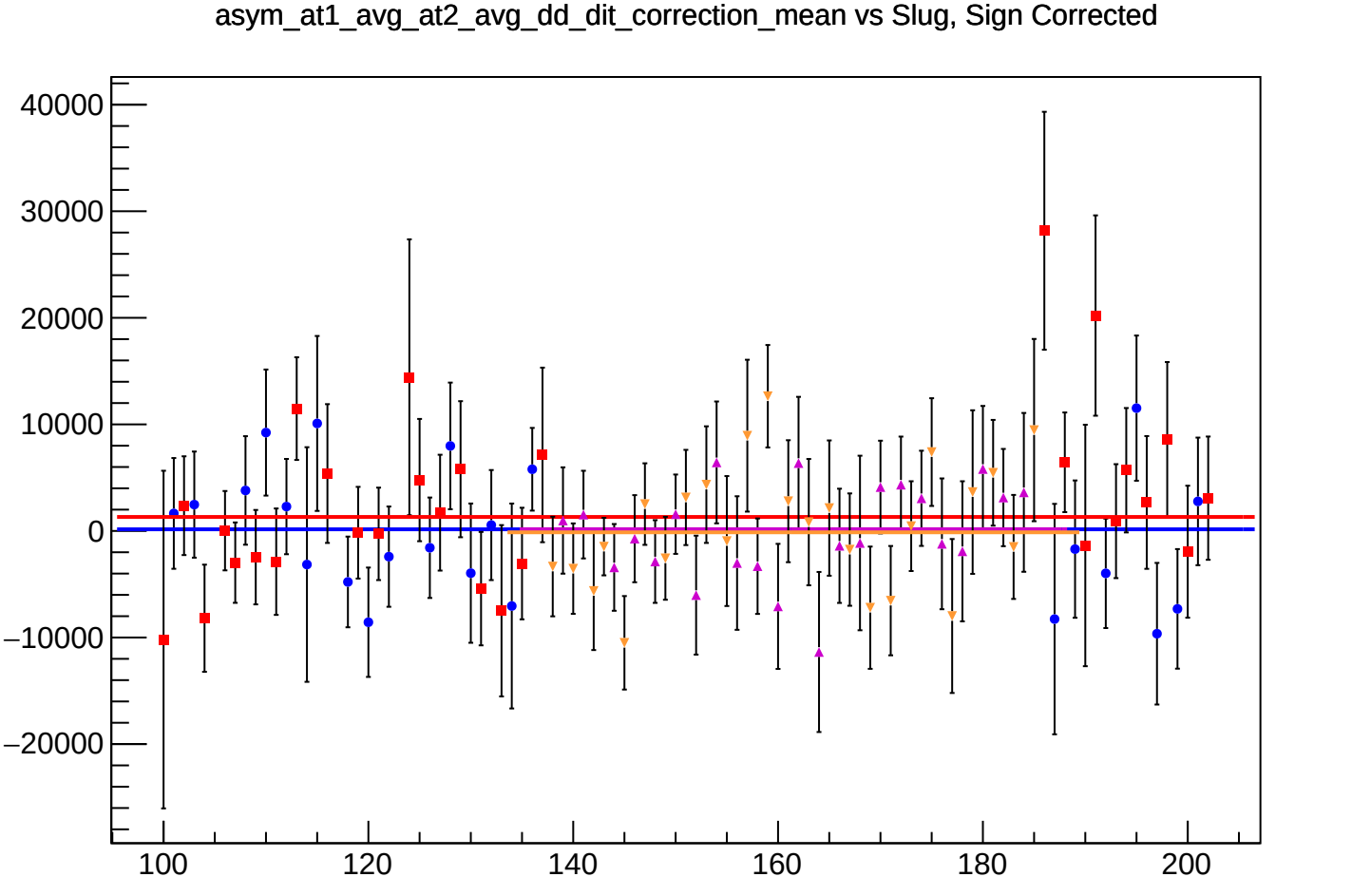
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1307.241+/-0.181 χ^2/NDF: 878032.1/51

In: 1310.613+/-0.168 χ^2/NDF:558267.1/45

Out: 1298.467+/-0.159 χ^2/NDF:597012.5/53

All: 1304.210+/-0.116 χ^2/NDF: 1158030.9/99



Right In: 153.864+/-1160.928 χ^2/NDF: 22.7/22

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1312.194+/-1035.746 χ^2/NDF: 31.0/28

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

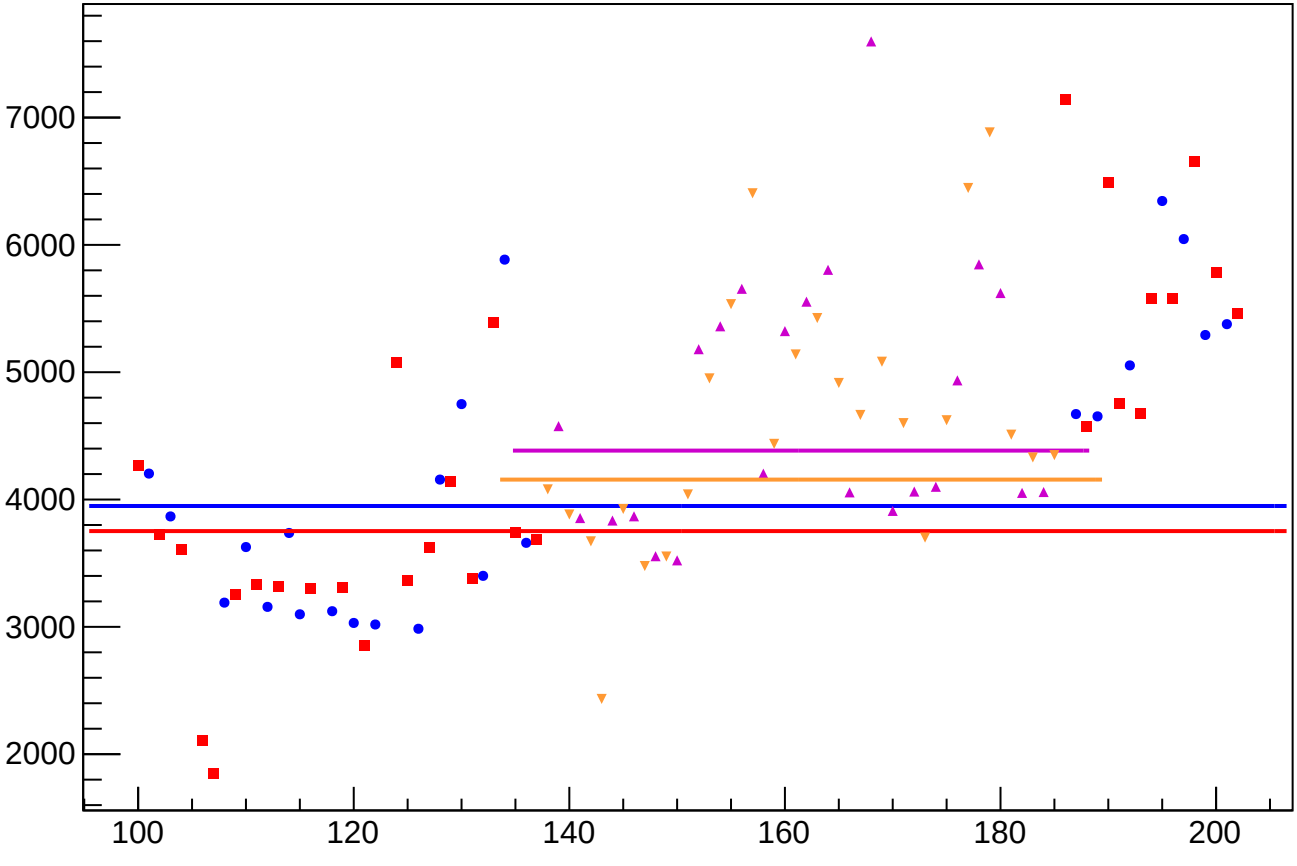
Right: 798.825+/-772.865 χ^2/NDF: 54.3/51

In: 156.950+/-776.897 χ^2/NDF:36.5/45

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 371.260+/-524.422 χ^2/NDF: 97.2/99

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3949.274+/-0.821 χ^2/NDF: 1389419.1/22

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3752.152+/-0.732 χ^2/NDF: 2726333.6/28

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

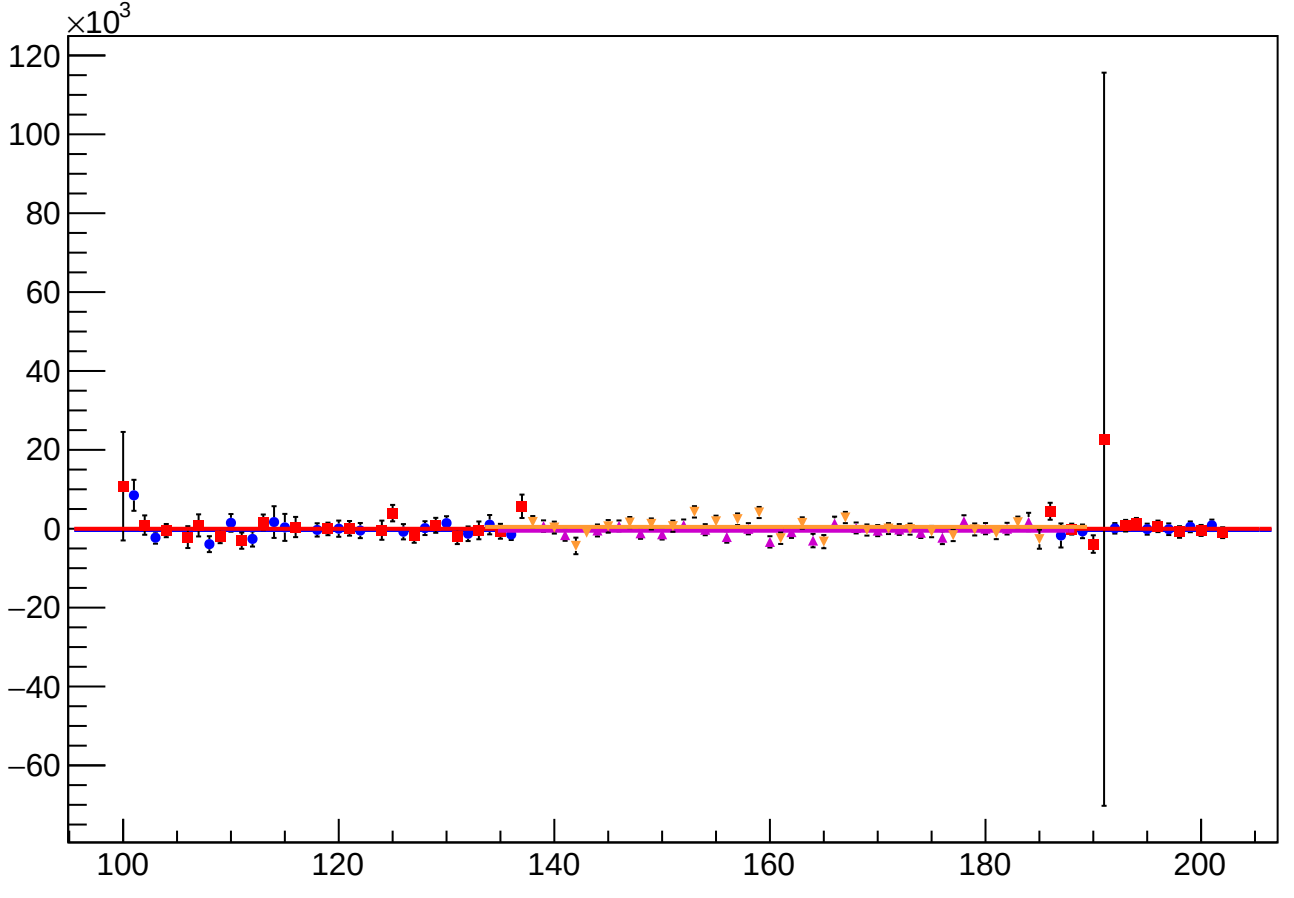
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3839.516+/-0.546 χ^2/NDF: 4147859.0/51

In: 4189.493+/-0.549 χ^2/NDF:2799973.5/45

Out: 3966.113+/-0.503 χ^2/NDF:4968424.5/53

All: 4067.897+/-0.371 χ^2/NDF: 7858403.1/99



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.937+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

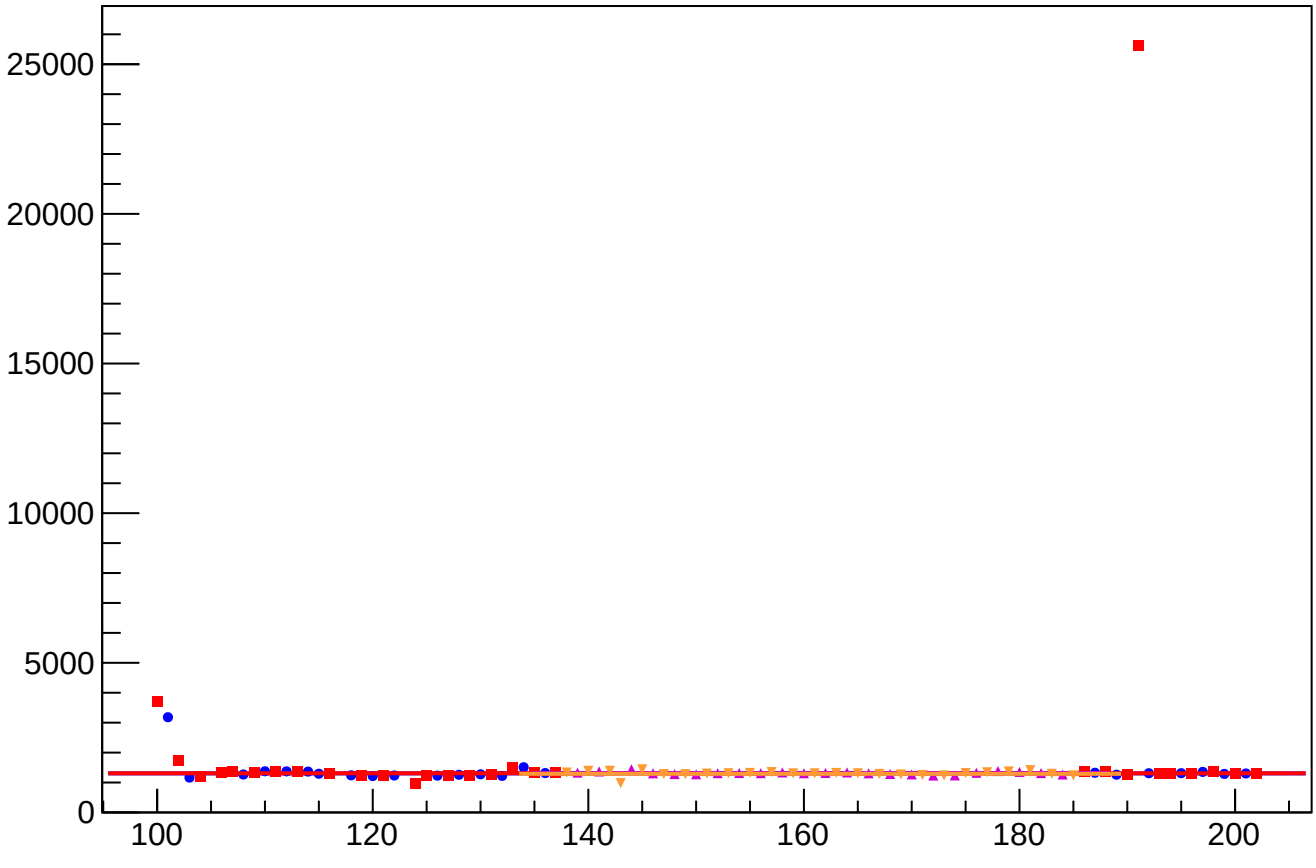
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -154.959+/-256.097 χ^2/NDF: 40.9/51

In: -430.438+/-237.761 χ^2/NDF:33.4/45

Out: 269.614+/-225.229 χ^2/NDF:69.9/53

All: -61.478+/-163.512 χ^2/NDF: 107.9/99



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.7/22

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.6/28

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

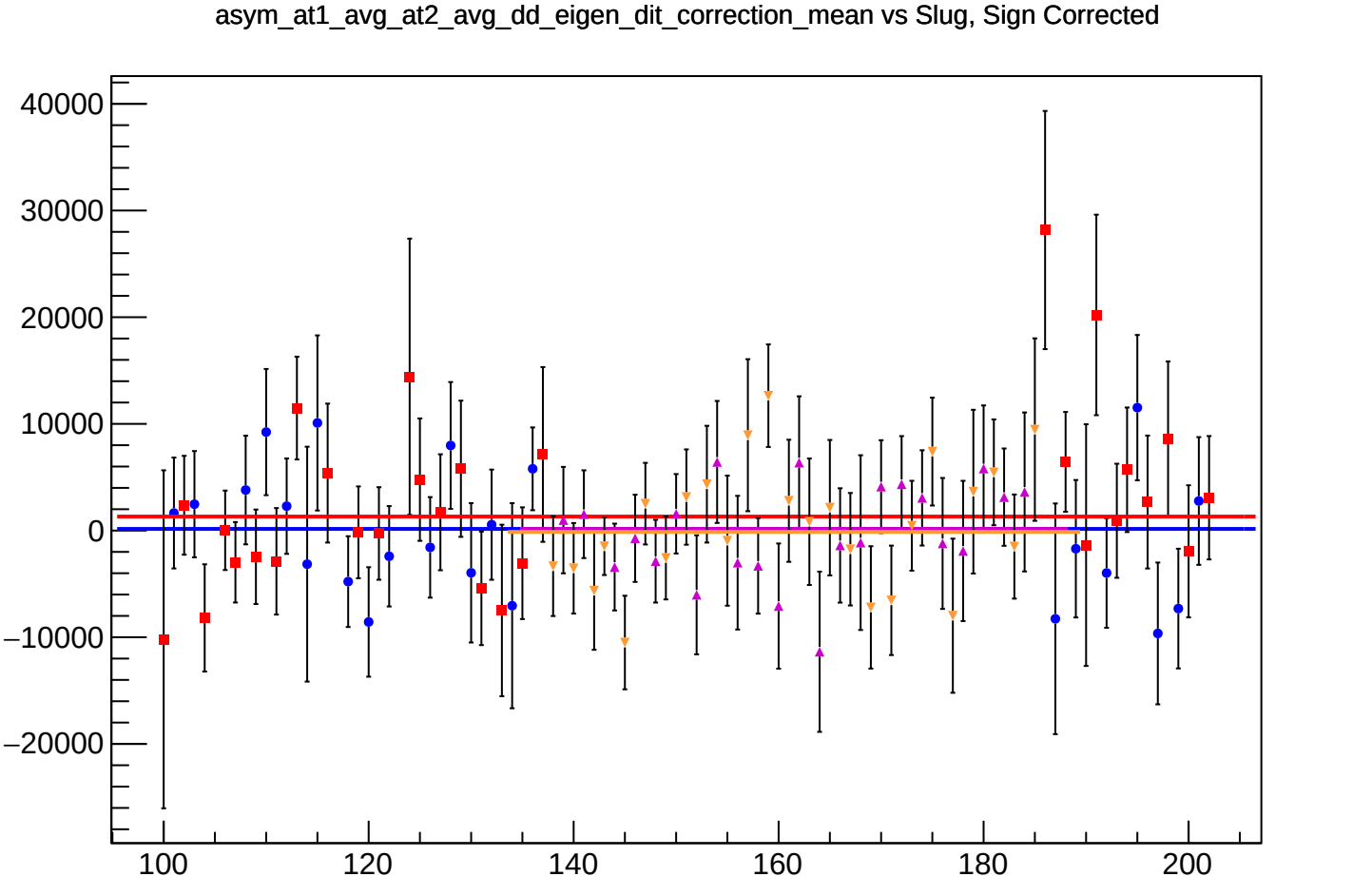
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1307.241+/-0.181 χ^2/NDF: 878032.6/51

In: 1310.614+/-0.168 χ^2/NDF:558269.7/45

Out: 1298.467+/-0.159 χ^2/NDF:597014.9/53

All: 1304.211+/-0.116 χ^2/NDF: 1158035.9/99



Right In: 153.858+/-1160.926 χ^2/NDF: 22.7/22

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1312.187+/-1035.745 χ^2/NDF: 31.0/28

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

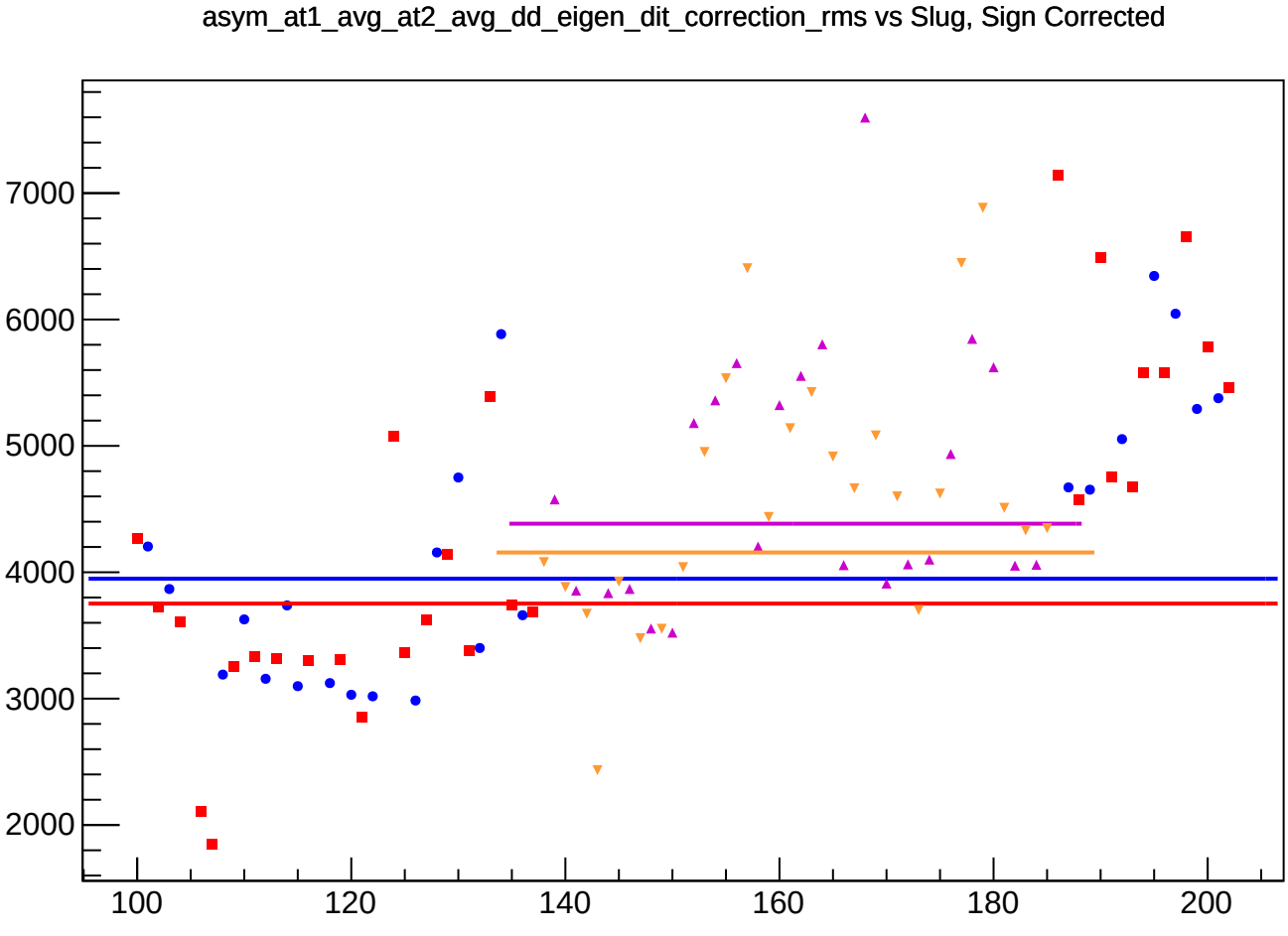
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 798.818+/-772.864 χ^2/NDF: 54.3/51

In: 156.948+/-776.897 χ^2/NDF:36.5/45

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 371.259+/-524.422 χ^2/NDF: 97.2/99



Right In: 3949.266+/-0.821 χ^2/NDF: 1389439.6/22

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3752.145+/-0.732 χ^2/NDF: 2726354.9/28

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

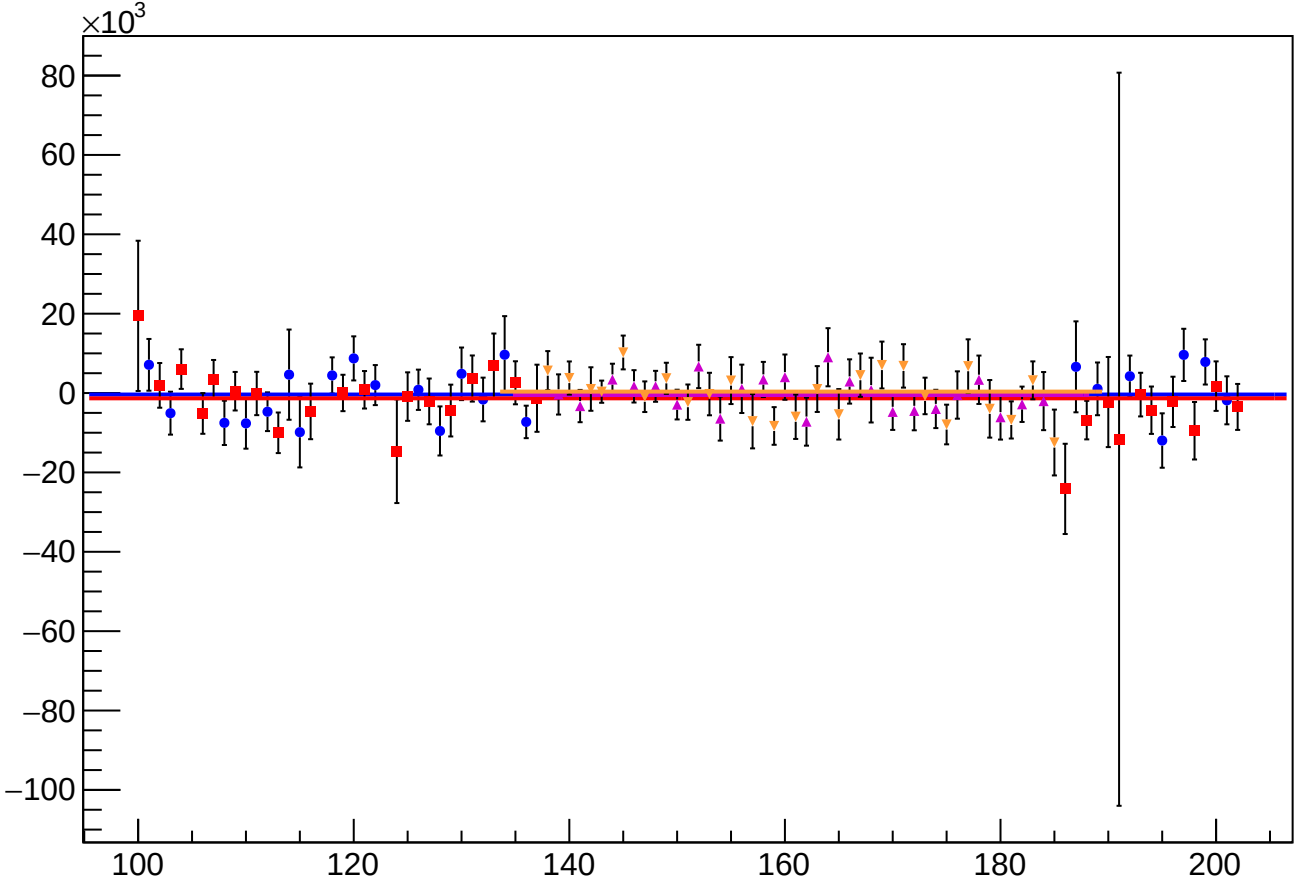
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3839.509+/-0.546 χ^2/NDF: 4147900.6/51

In: 4189.493+/-0.549 χ^2/NDF:2800008.6/45

Out: 3966.113+/-0.503 χ^2/NDF:4968459.5/53

All: 4067.897+/-0.371 χ^2/NDF: 7858473.2/99



Right In: -376.540+/-1232.959 χ^2/NDF: 26.5/22

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1332.758+/-1133.113 χ^2/NDF: 19.6/28

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

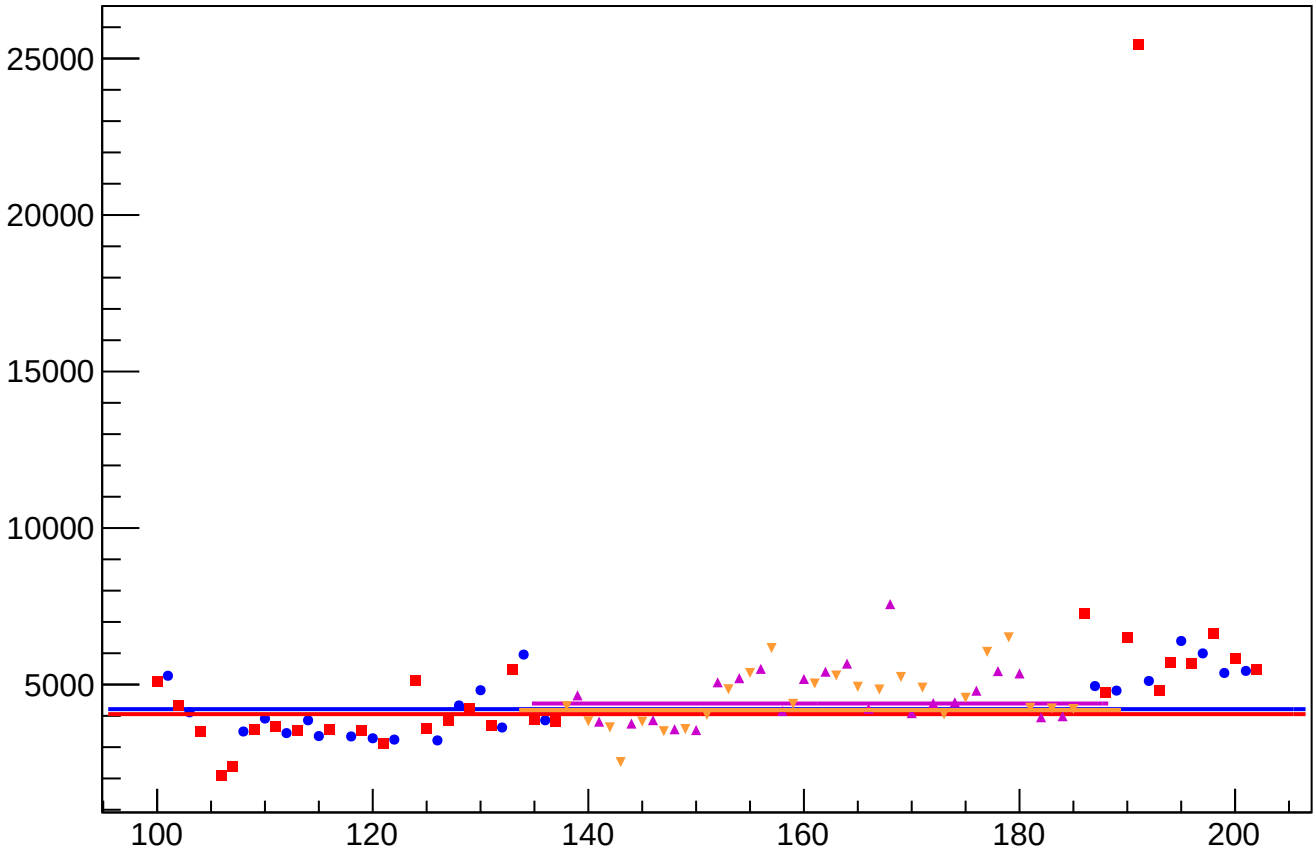
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -894.929+/-834.301 χ^2/NDF: 46.5/51

In: -446.963+/-797.058 χ^2/NDF:40.4/45

Out: -362.801+/-741.172 χ^2/NDF:48.6/53

All: -401.828+/-542.770 χ^2/NDF: 89.0/99



Right In: 4214.051+/-0.872 χ^2/NDF: 1158776.2/22

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4054.998+/-0.793 χ^2/NDF: 2216998.1/28

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

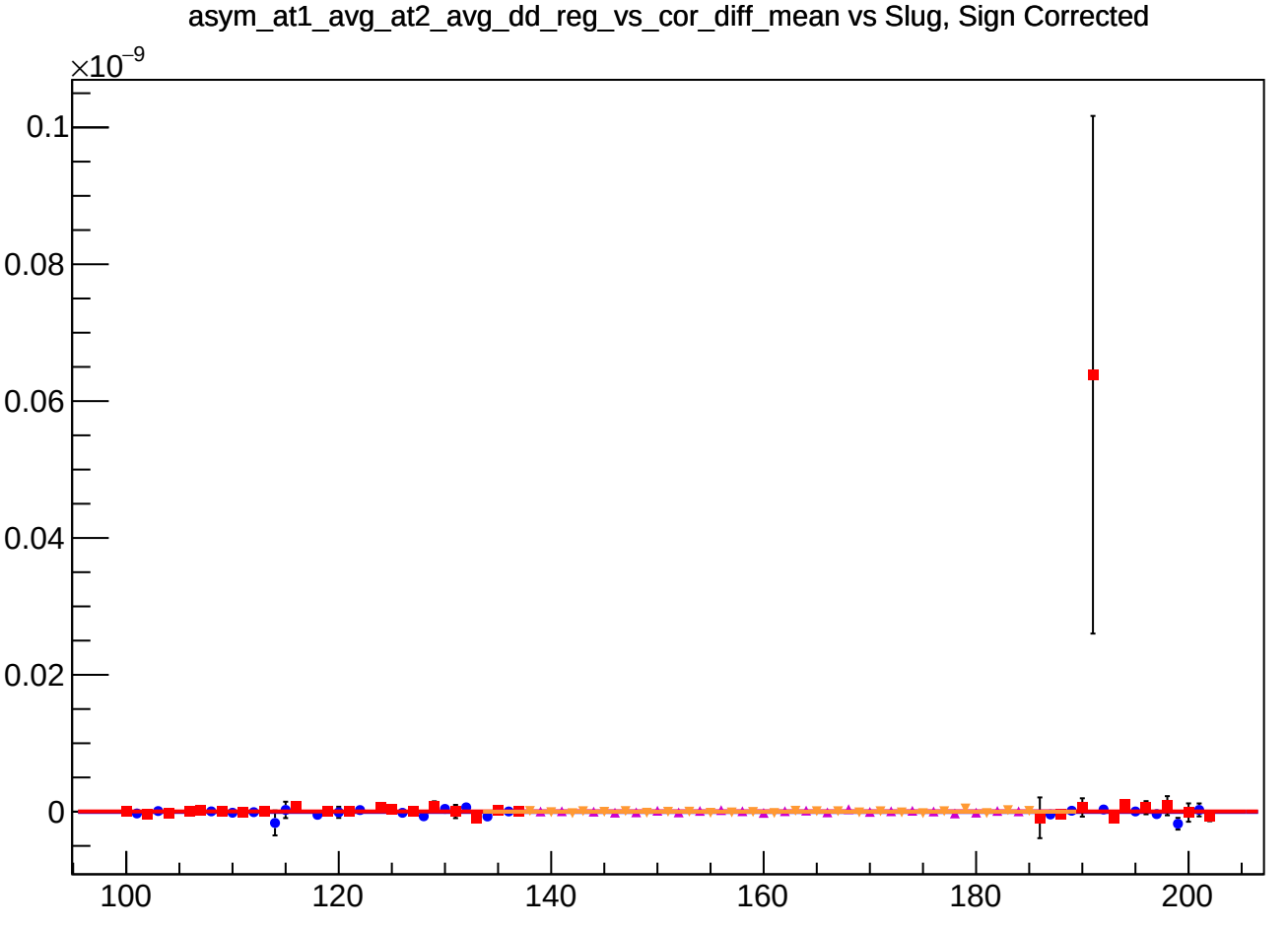
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4127.043+/-0.587 χ^2/NDF: 3393981.2/51

In: 4318.986+/-0.564 χ^2/NDF:2272059.1/45

Out: 4130.363+/-0.522 χ^2/NDF:4029252.2/53

All: 4217.430+/-0.383 χ^2/NDF: 6361615.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

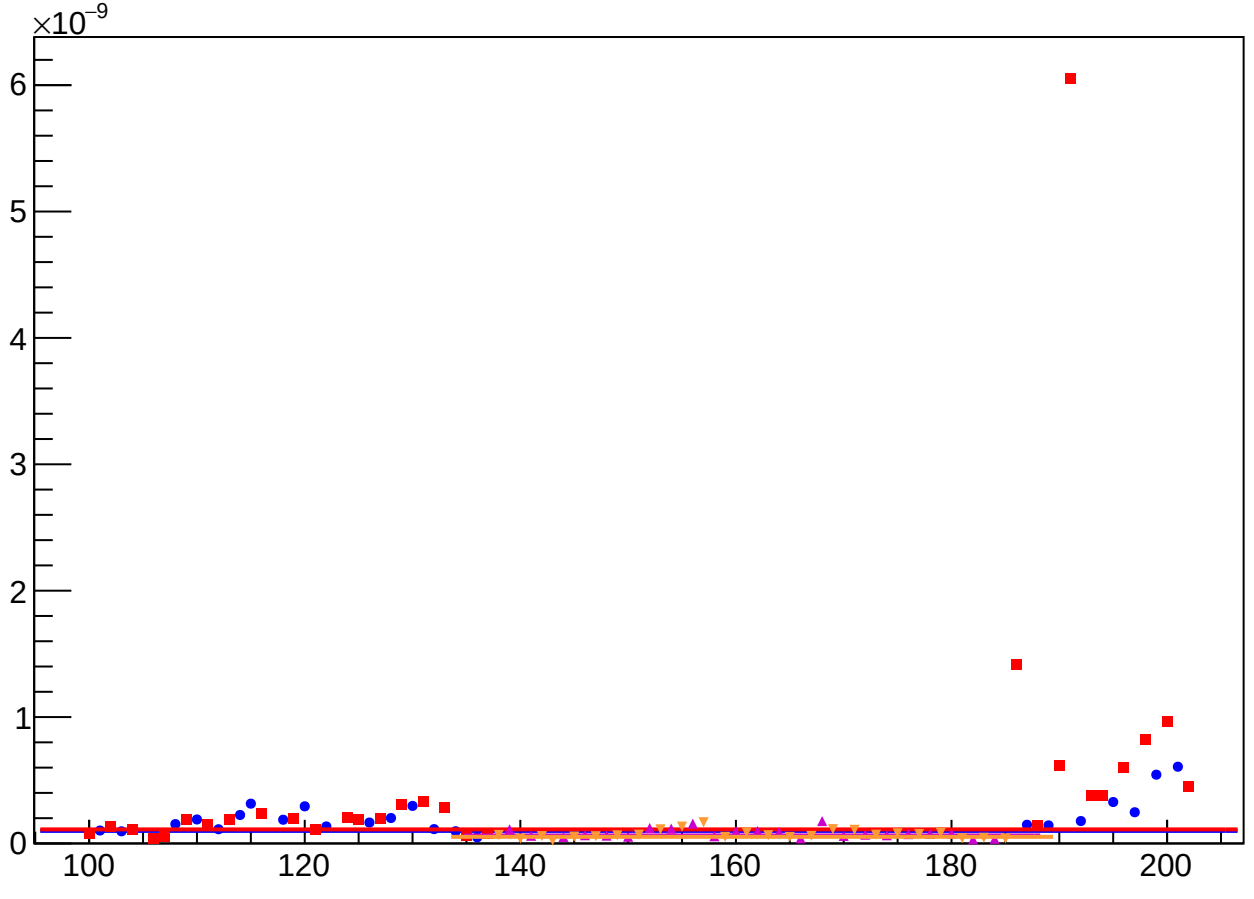
Right: -0.000+/-0.000 χ^2/NDF: 50.6/51

In: 0.000+/-0.000 χ^2/NDF:40.6/45

Out: 0.000+/-0.000 χ^2/NDF:58.0/53

All: 0.000+/-0.000 χ^2/NDF: 98.7/99

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3093650.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5500273.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

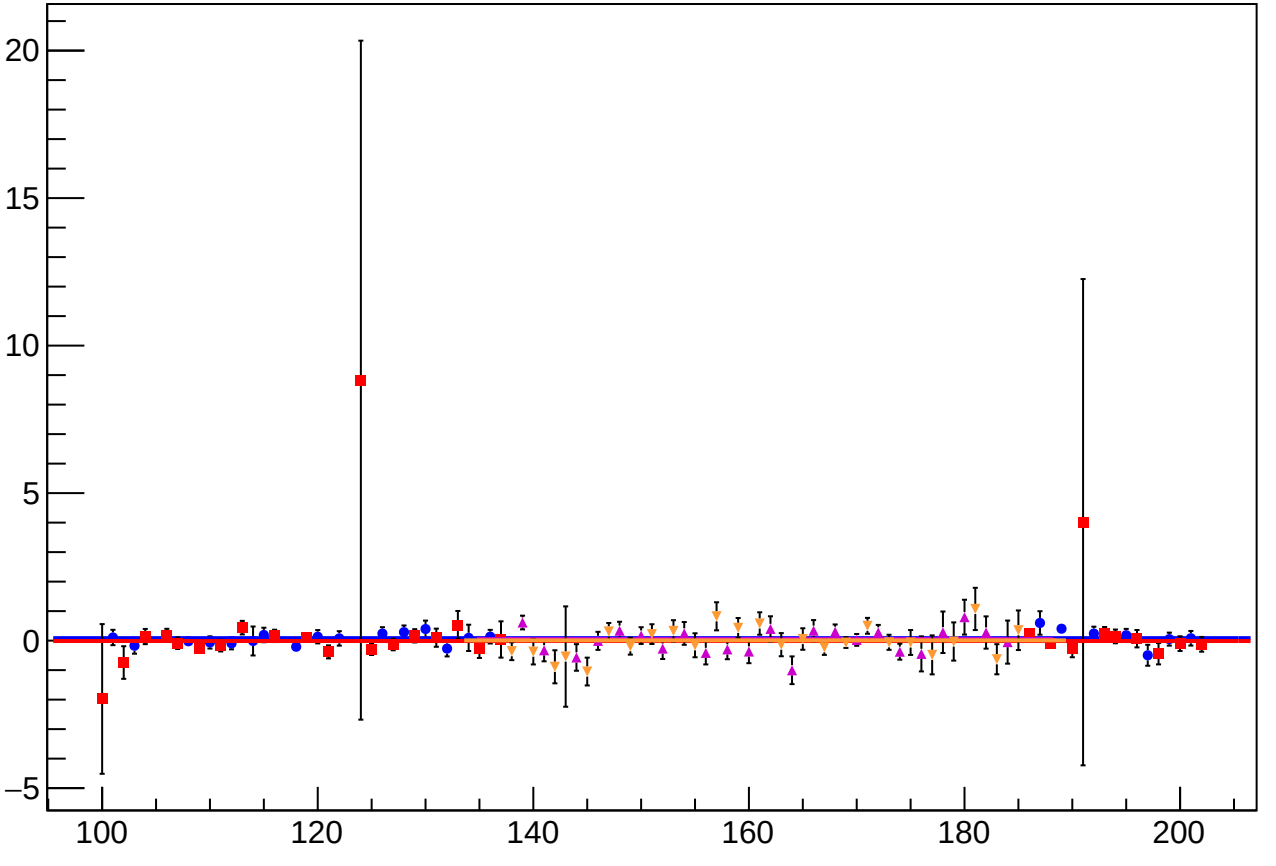
Right: 0.000+/-0.000 χ^2/NDF: 8633480.0/51

In: 0.000+/-0.000 χ^2/NDF:5546732.8/45

Out: 0.000+/-0.000 χ^2/NDF:9745255.7/53

All: 0.000+/-0.000 χ^2/NDF: 15508122.6/99

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

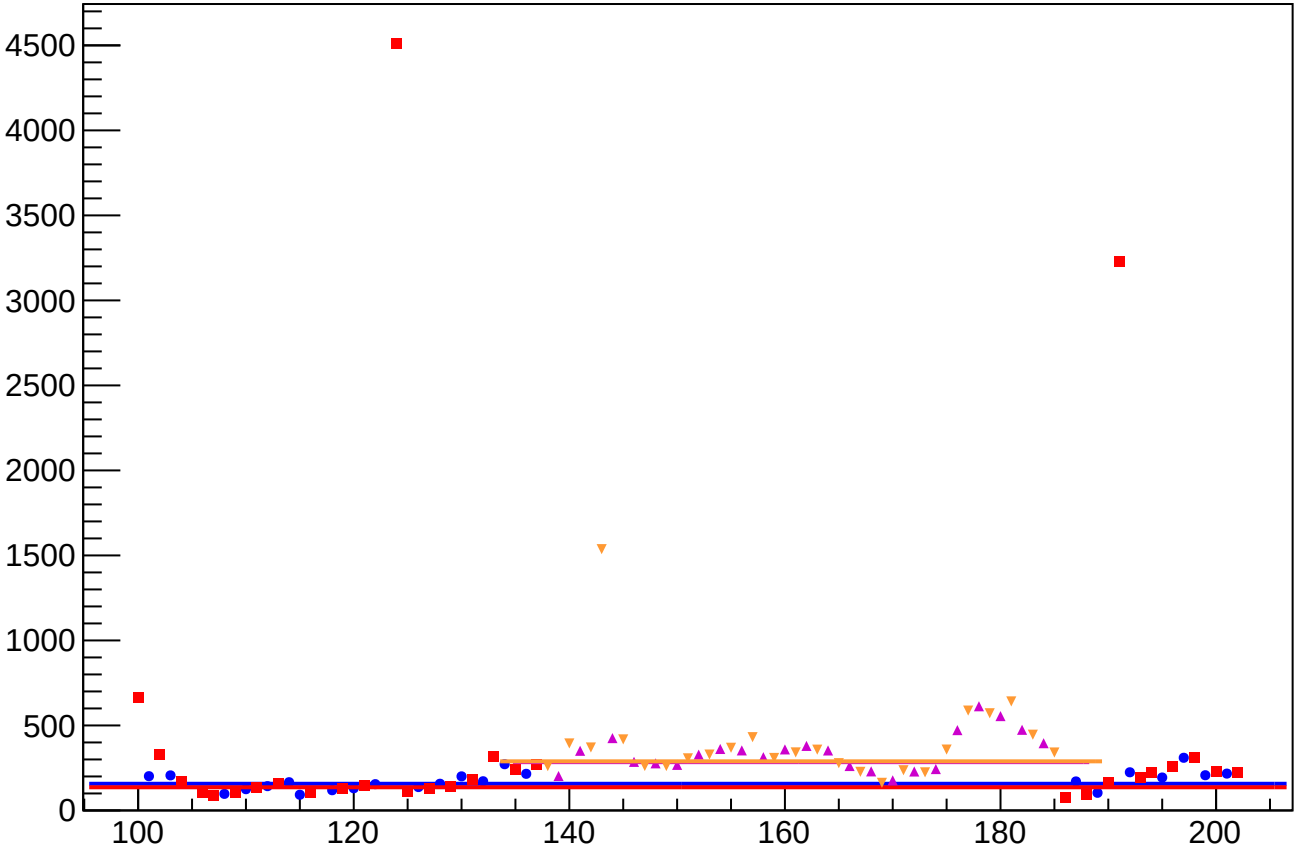
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

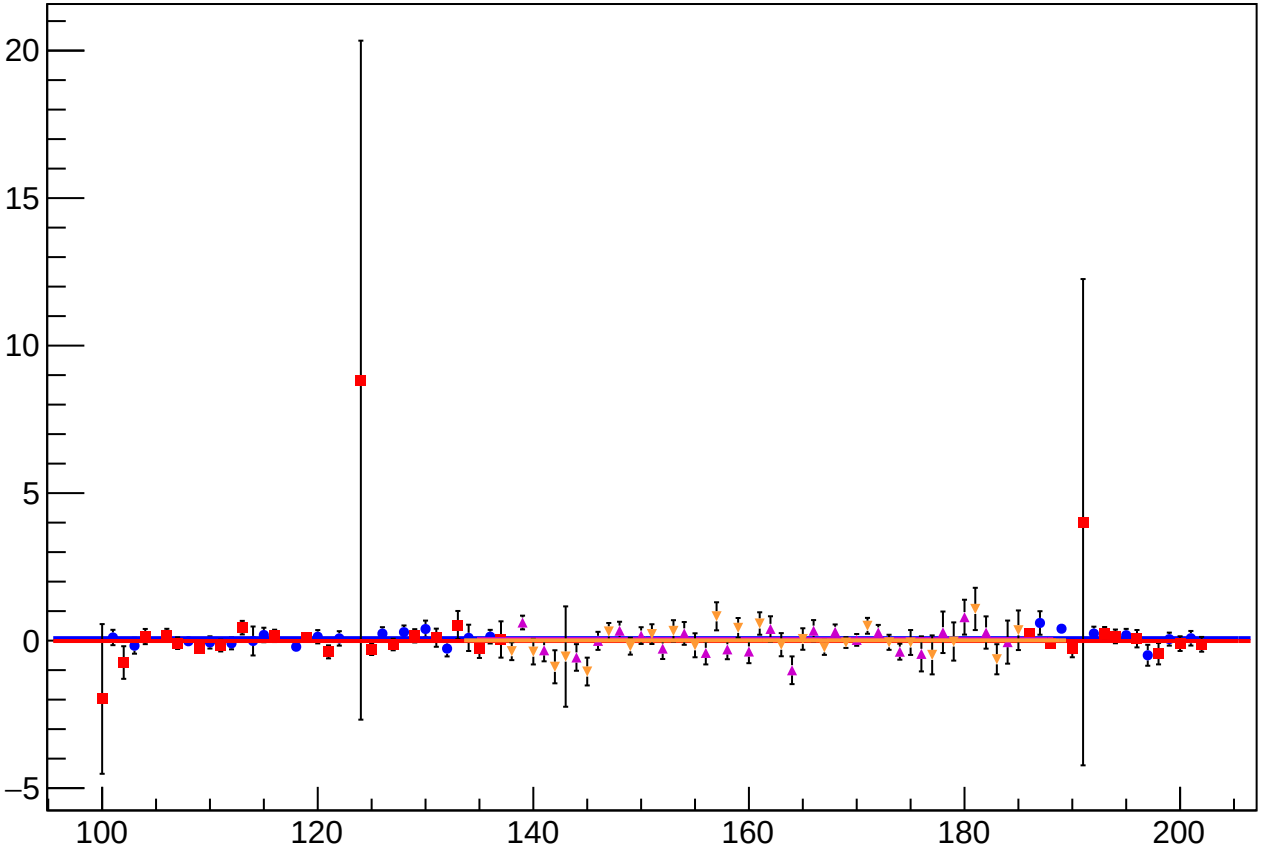
Right: 144.991+/-0.022 χ^2/NDF: 6866644.5/51

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

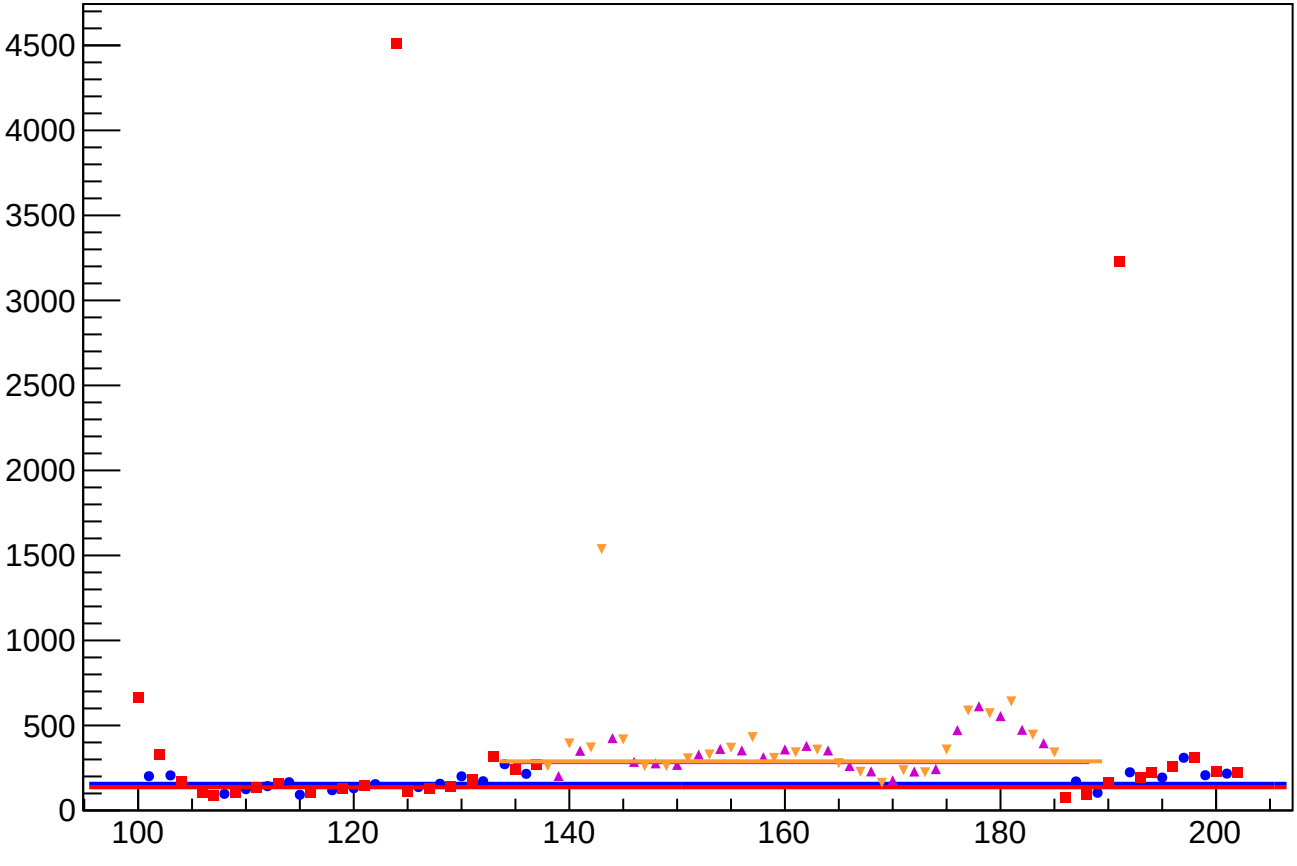
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

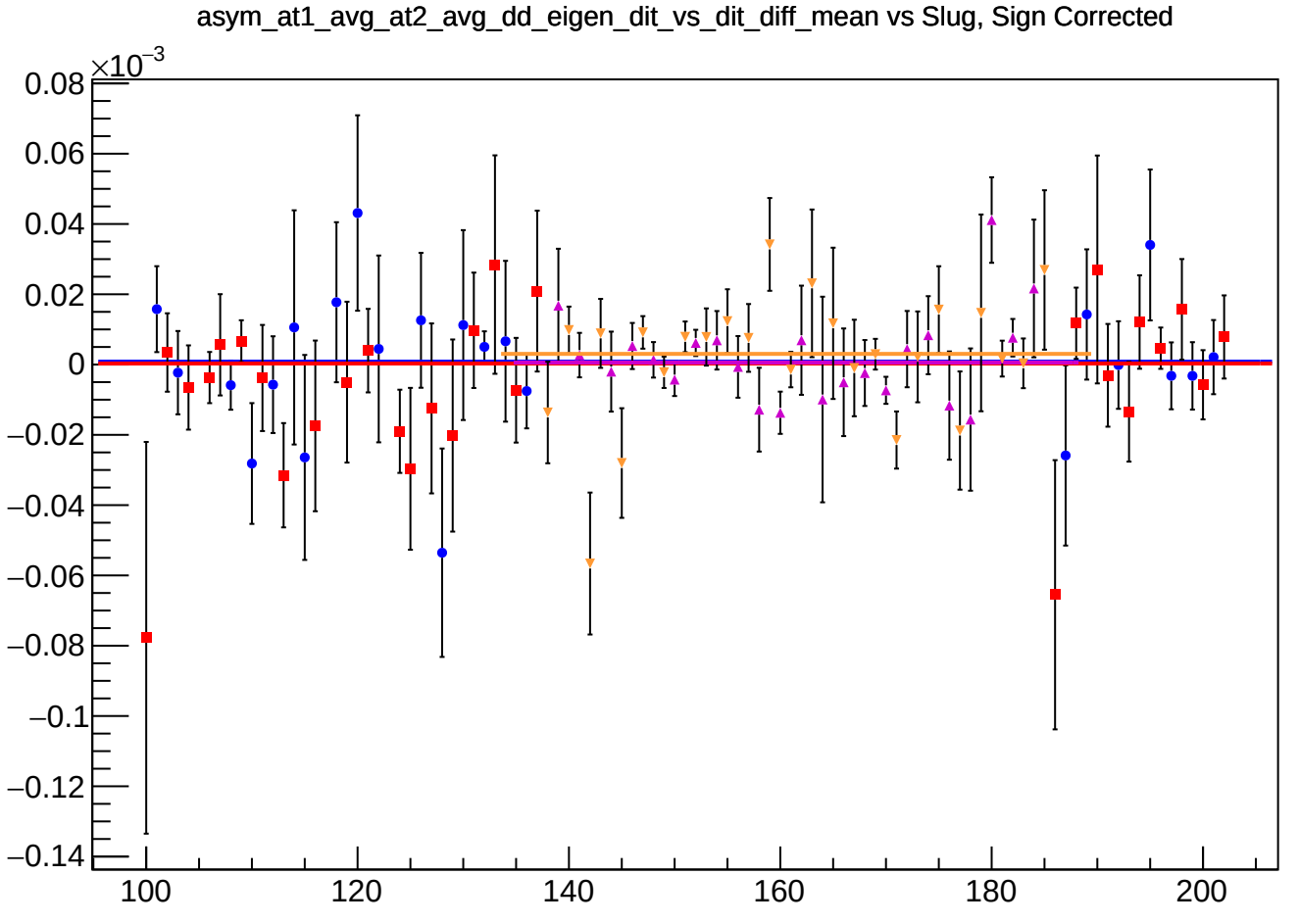
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 144.991+/-0.022 χ^2/NDF: 6866644.5/51

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

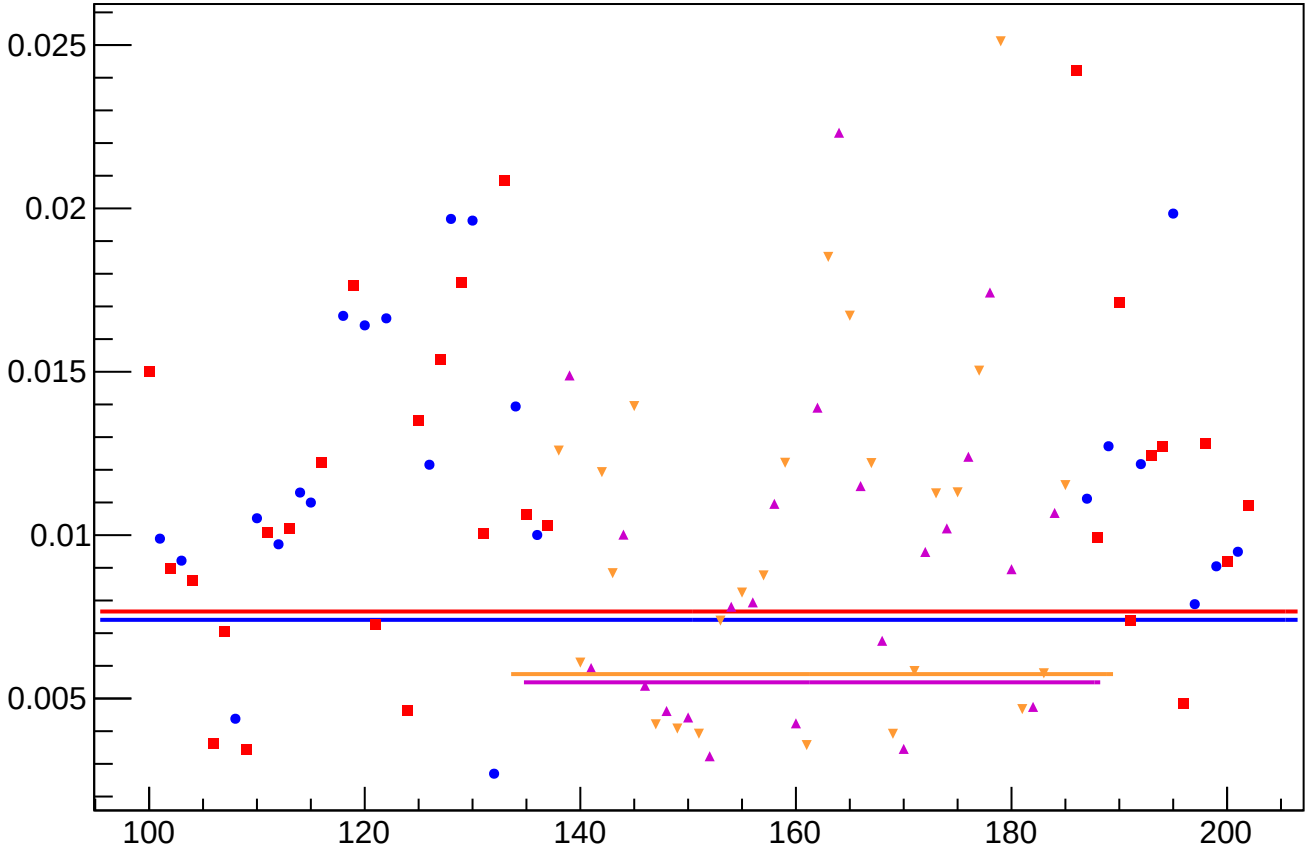
Right: 0.000+/-0.000 χ^2/NDF: 45.2/51

In: 0.000+/-0.000 χ^2/NDF:52.4/45

Out: 0.000+/-0.000 χ^2/NDF:69.1/53

All: 0.000+/-0.000 χ^2/NDF: 122.3/99

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6200078.3/22

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5592055.6/28

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

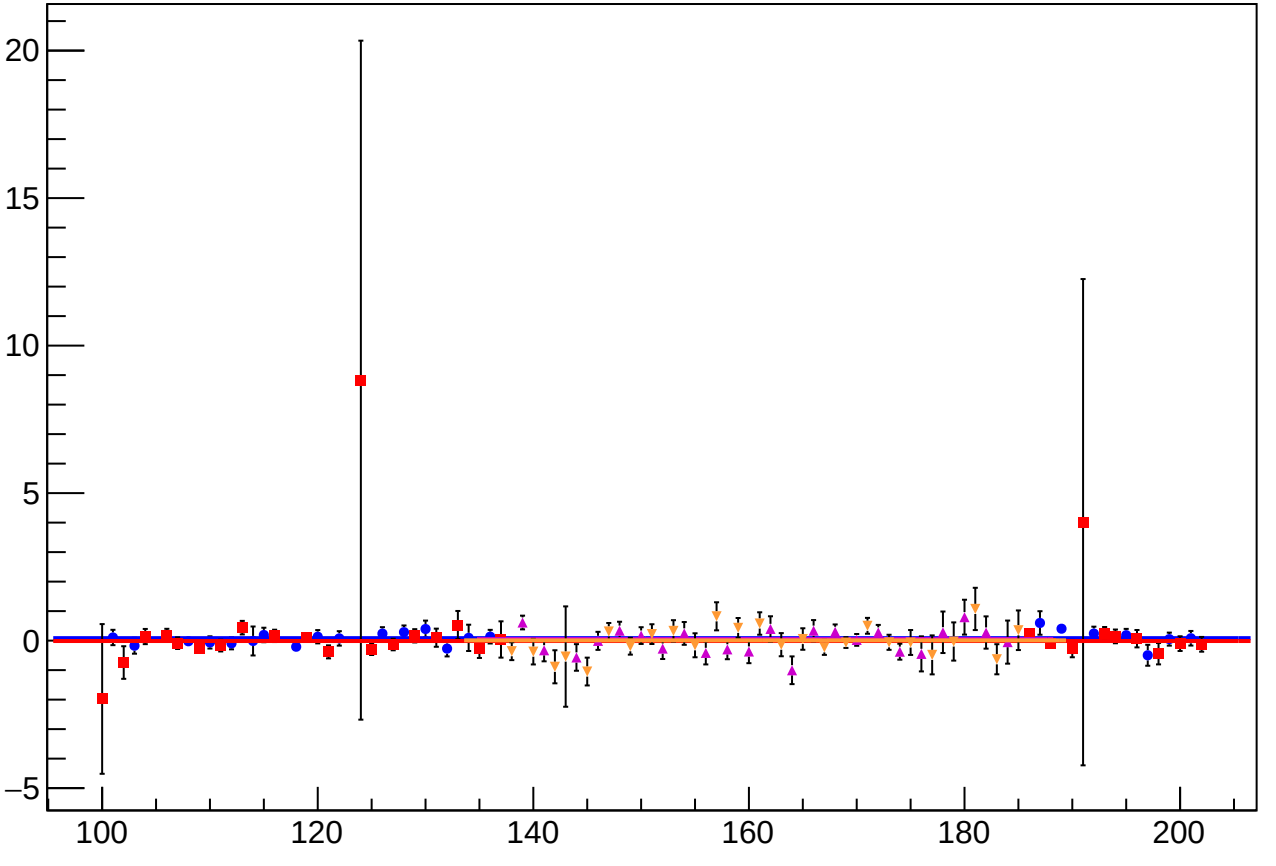
Right: 0.008+/-0.000 χ^2/NDF: 11803453.9/51

In: 0.006+/-0.000 χ^2/NDF:13995347.0/45

Out: 0.006+/-0.000 χ^2/NDF:14682246.1/53

All: 0.006+/-0.000 χ^2/NDF: 28738747.4/99

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

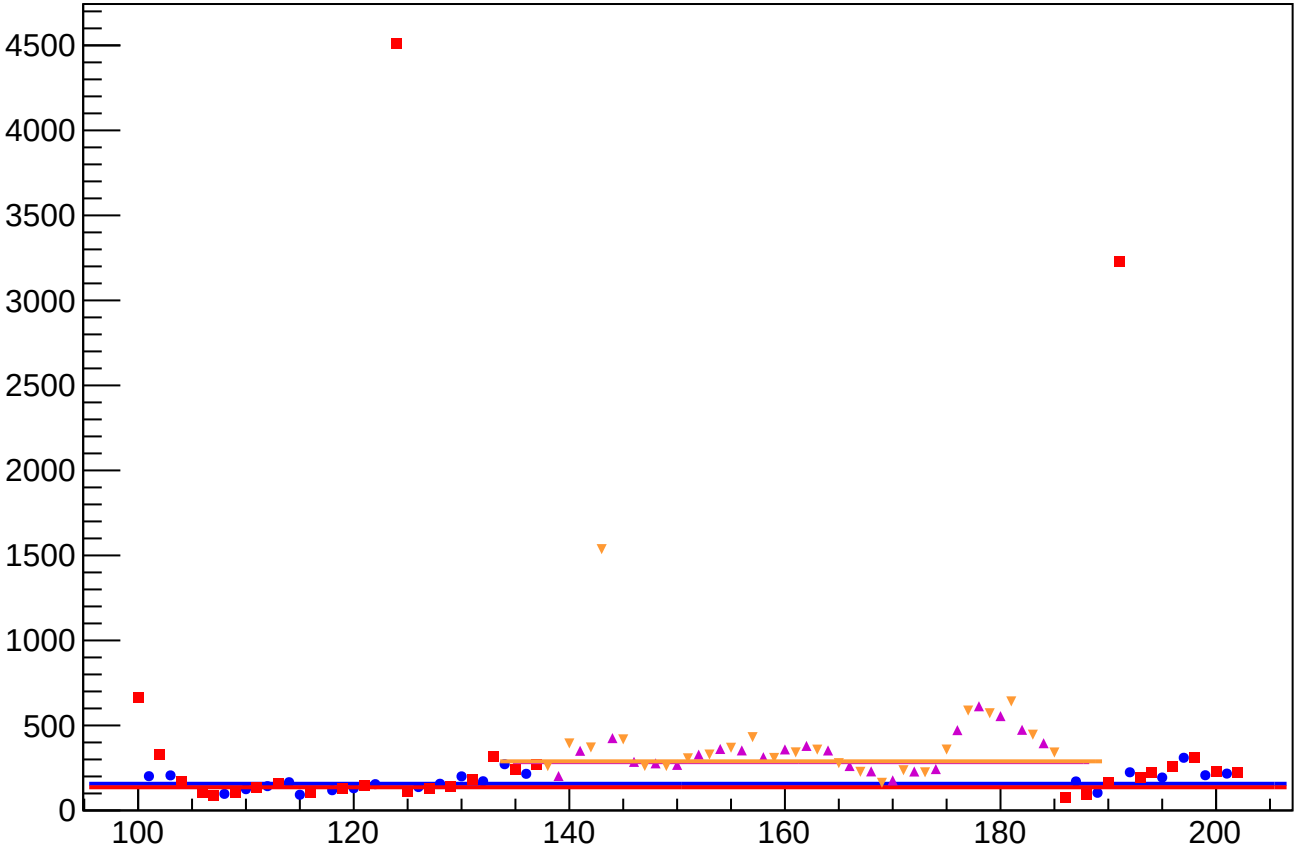
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

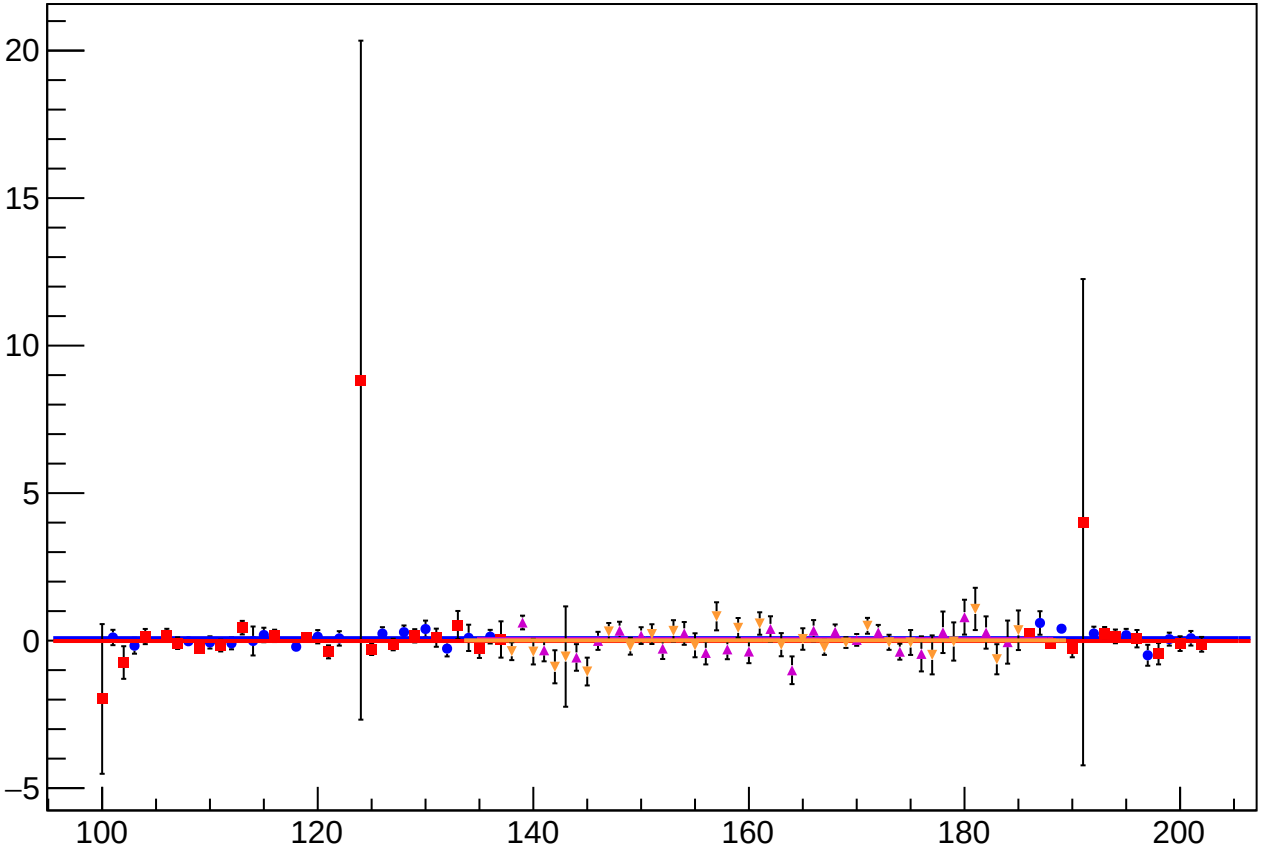
Right: 144.992+/-0.022 χ^2/NDF: 6866399.6/51

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

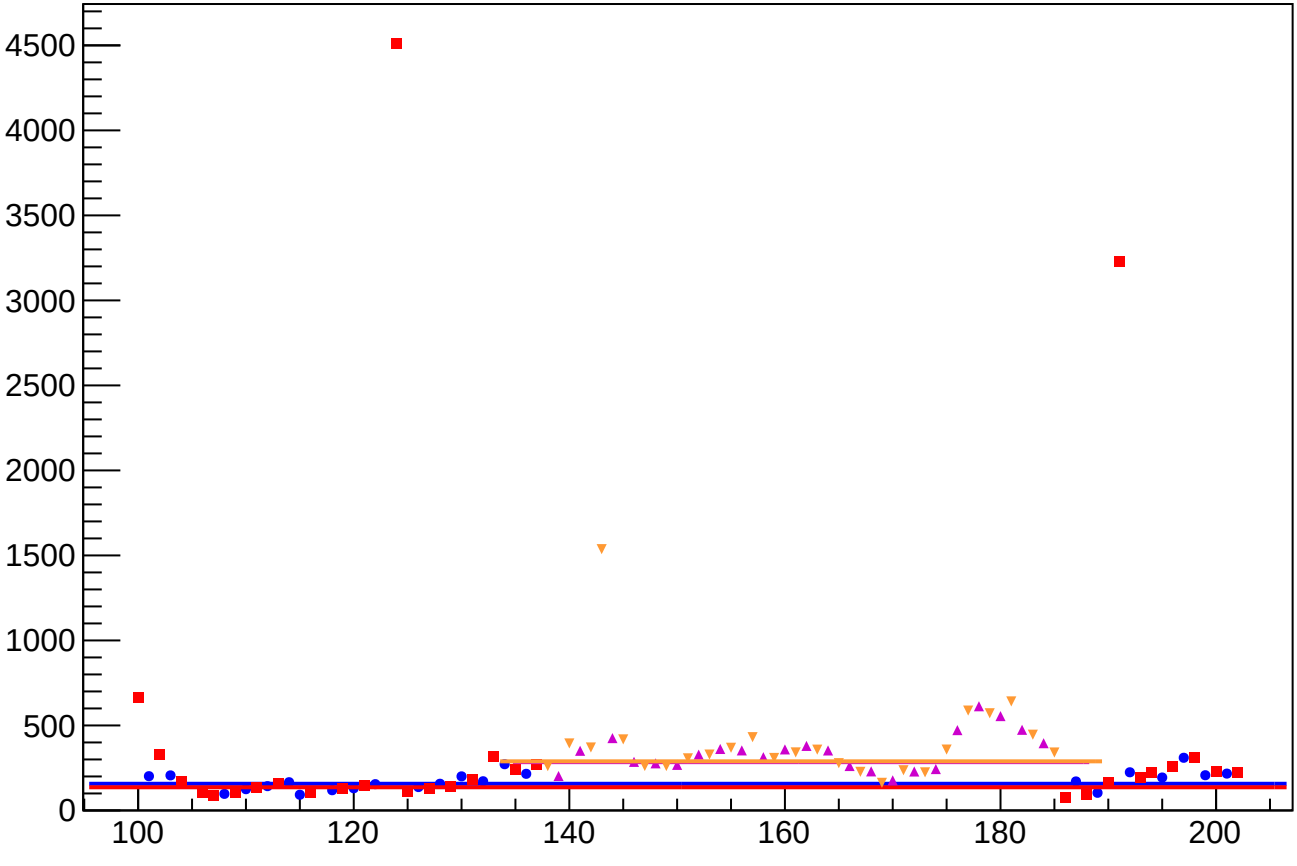
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

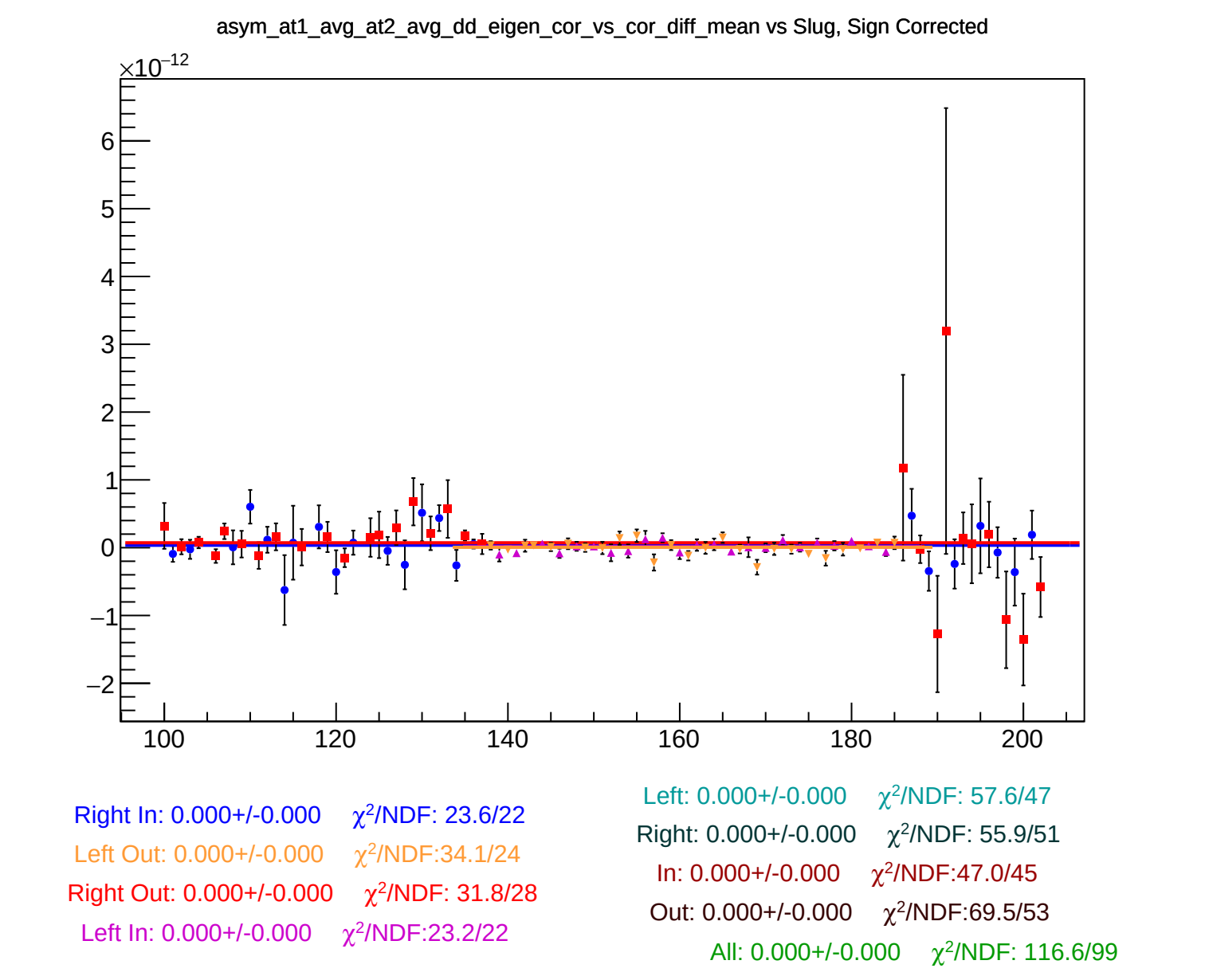
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 144.992+/-0.022 χ^2/NDF: 6866399.6/51

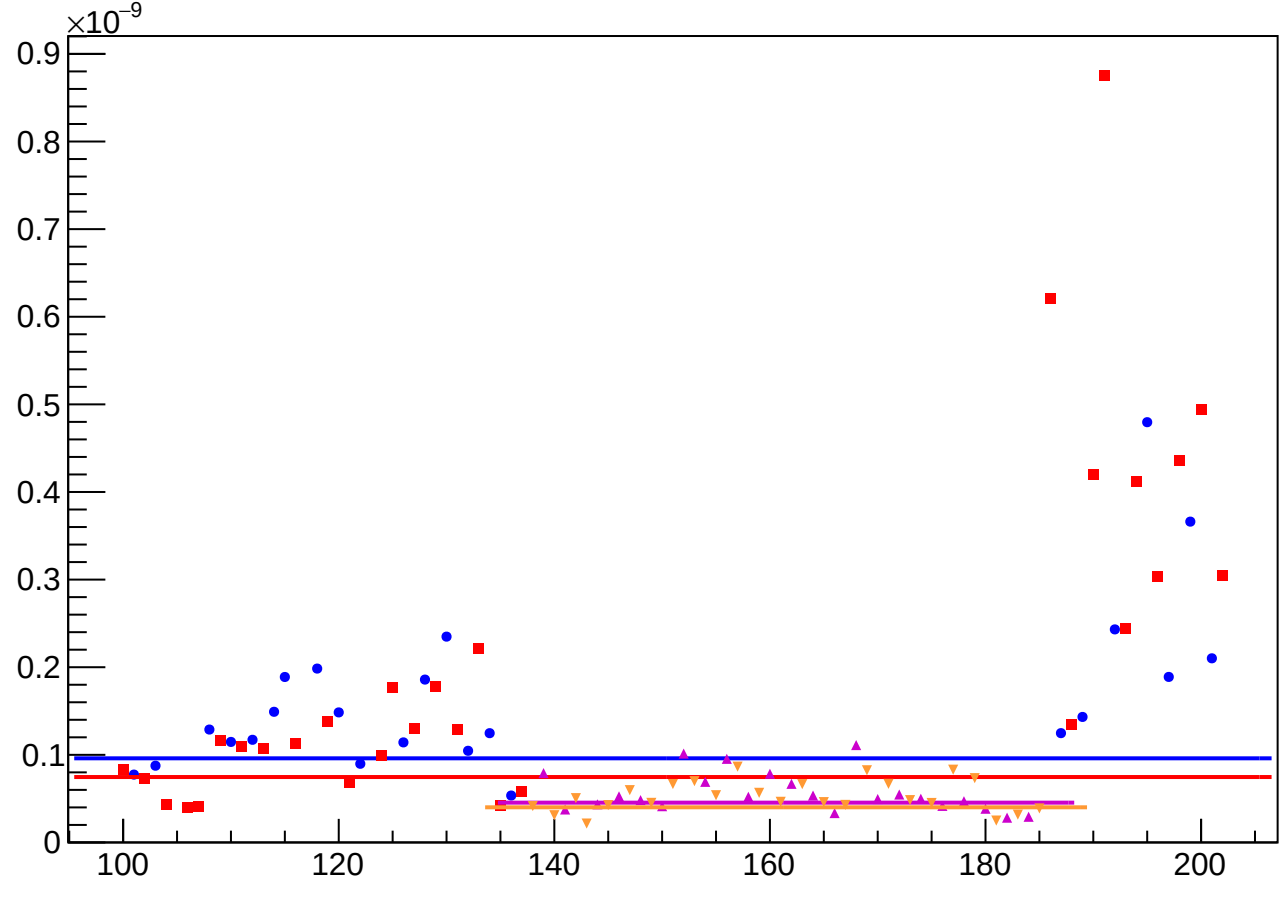
In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.6/22
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.8/28
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 55.9/51
In: 0.000+/-0.000 χ²/NDF:47.0/45
Out: 0.000+/-0.000 χ²/NDF:69.5/53
All: 0.000+/-0.000 χ²/NDF: 116.6/99

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3586986.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6578873.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

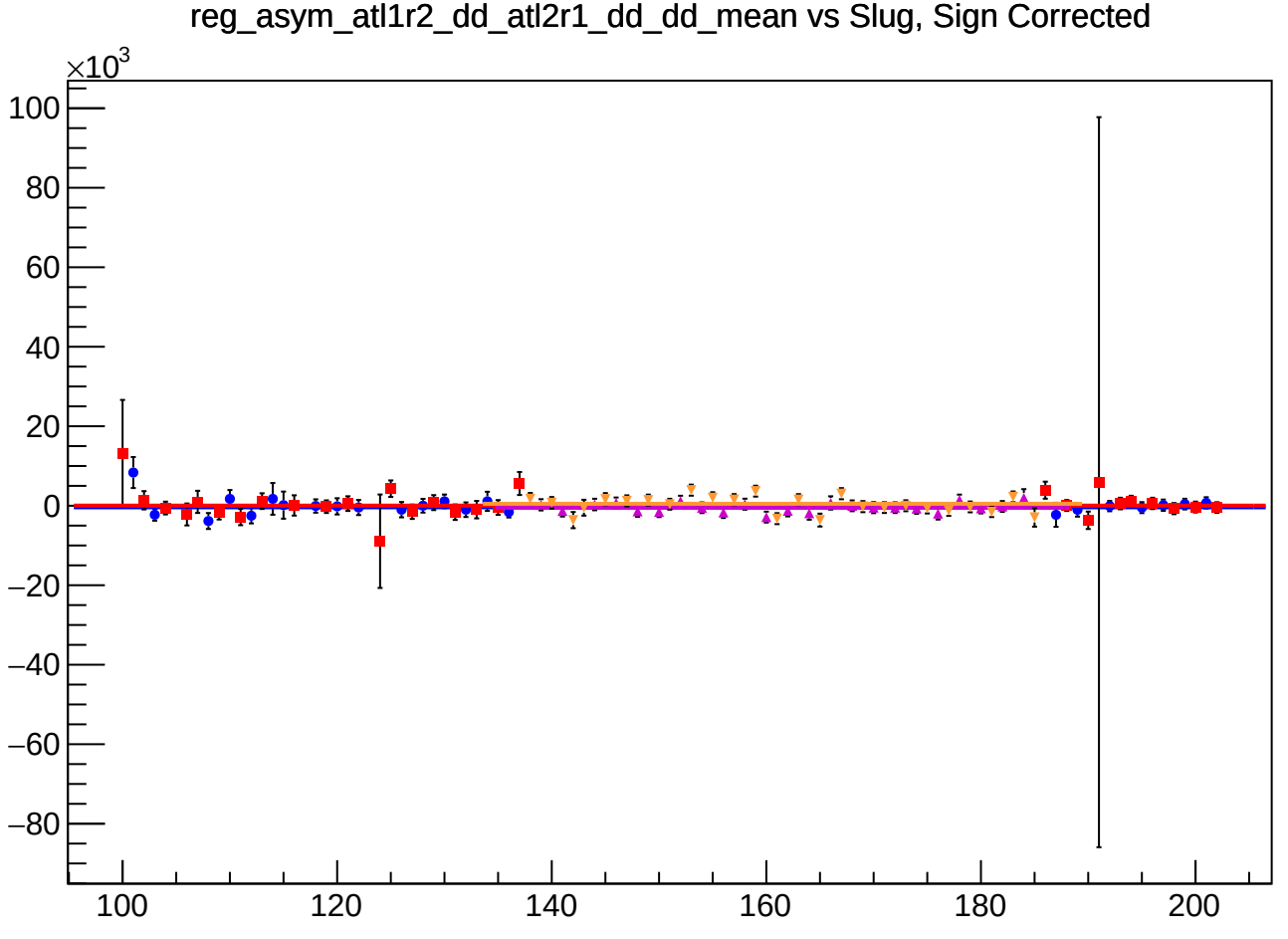
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10492801.4/51

In: 0.000+/-0.000 χ^2/NDF:9108777.8/45

Out: 0.000+/-0.000 χ^2/NDF:12087690.0/53

All: 0.000+/-0.000 χ^2/NDF: 21453990.6/99



Right In: -394.656+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 30.557+/-347.386 χ^2/NDF: 23.5/28

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

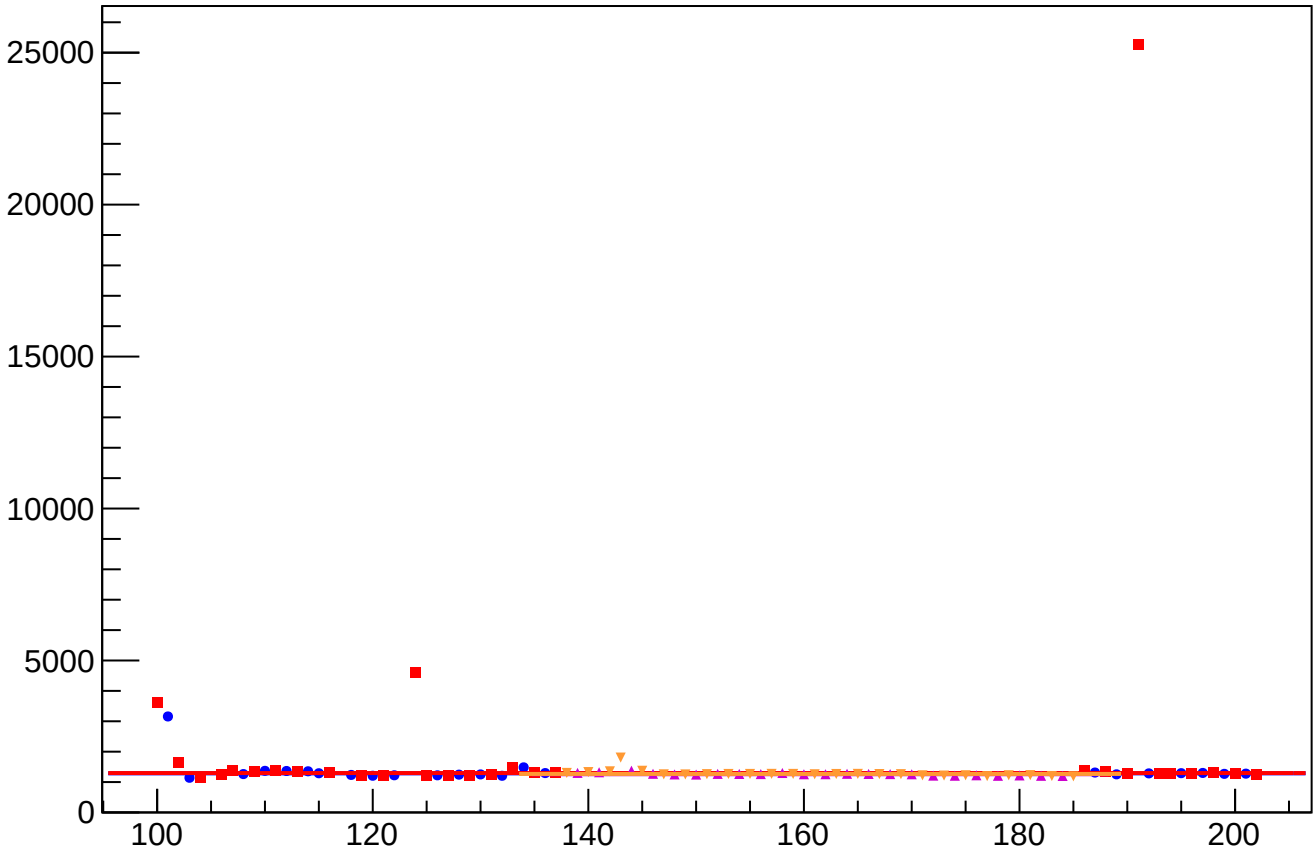
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -168.523+/-253.332 χ^2/NDF: 40.0/51

In: -451.214+/-230.127 χ^2/NDF:30.3/45

Out: 303.688+/-221.940 χ^2/NDF:71.5/53

All: -60.096+/-159.751 χ^2/NDF: 107.3/99



Right In: 1286.533+/-0.262 χ^2/NDF: 516207.6/22

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.553+/-0.245 χ^2/NDF: 467821.5/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

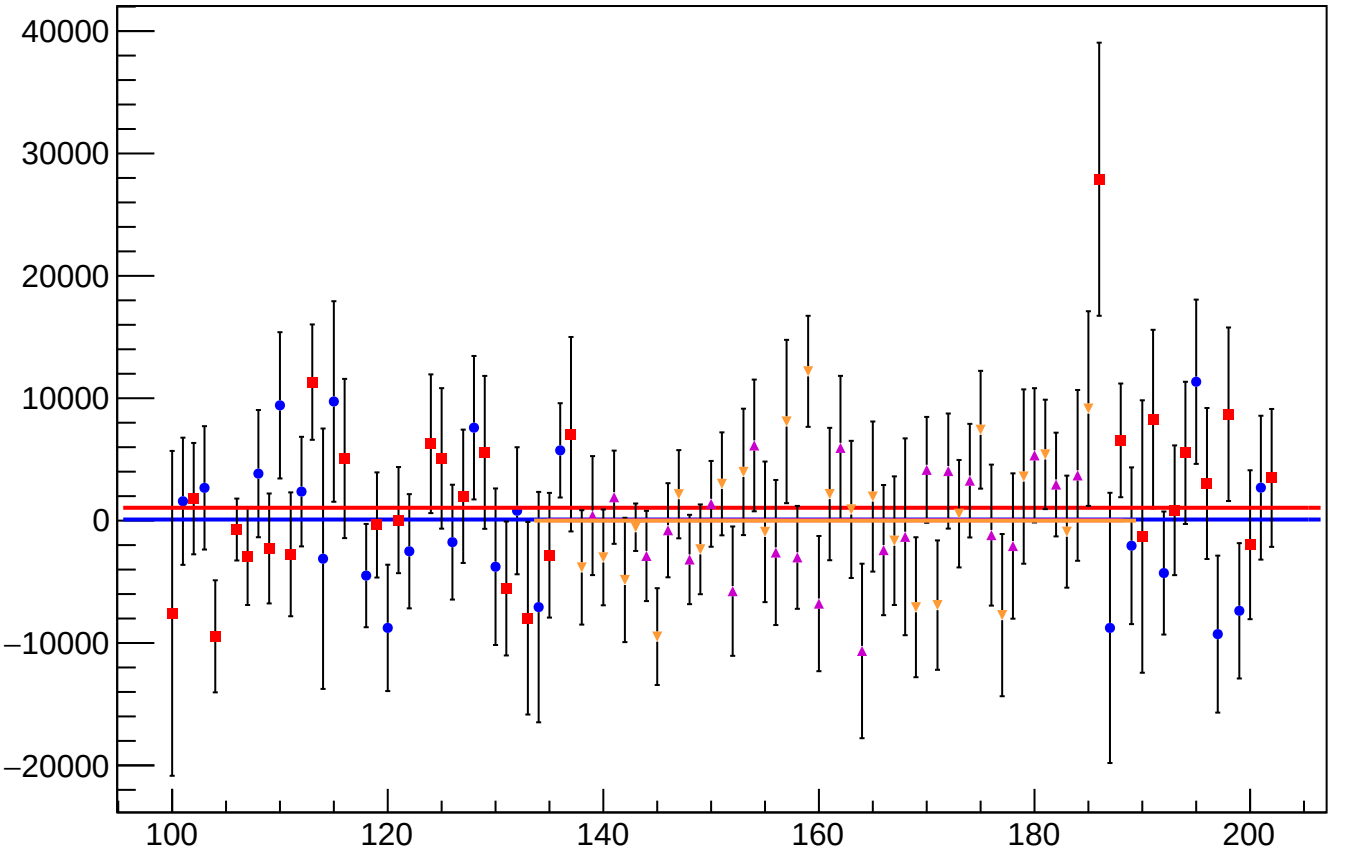
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1291.868+/-0.179 χ^2/NDF: 984809.1/51

In: 1268.748+/-0.163 χ^2/NDF:560544.4/45

Out: 1279.063+/-0.157 χ^2/NDF:663965.9/53

All: 1274.095+/-0.113 χ^2/NDF: 1226592.9/99



Right In: 89.768+/-1154.948 χ^2/NDF: 22.8/22

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1049.679+/-970.752 χ^2/NDF: 29.9/28

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

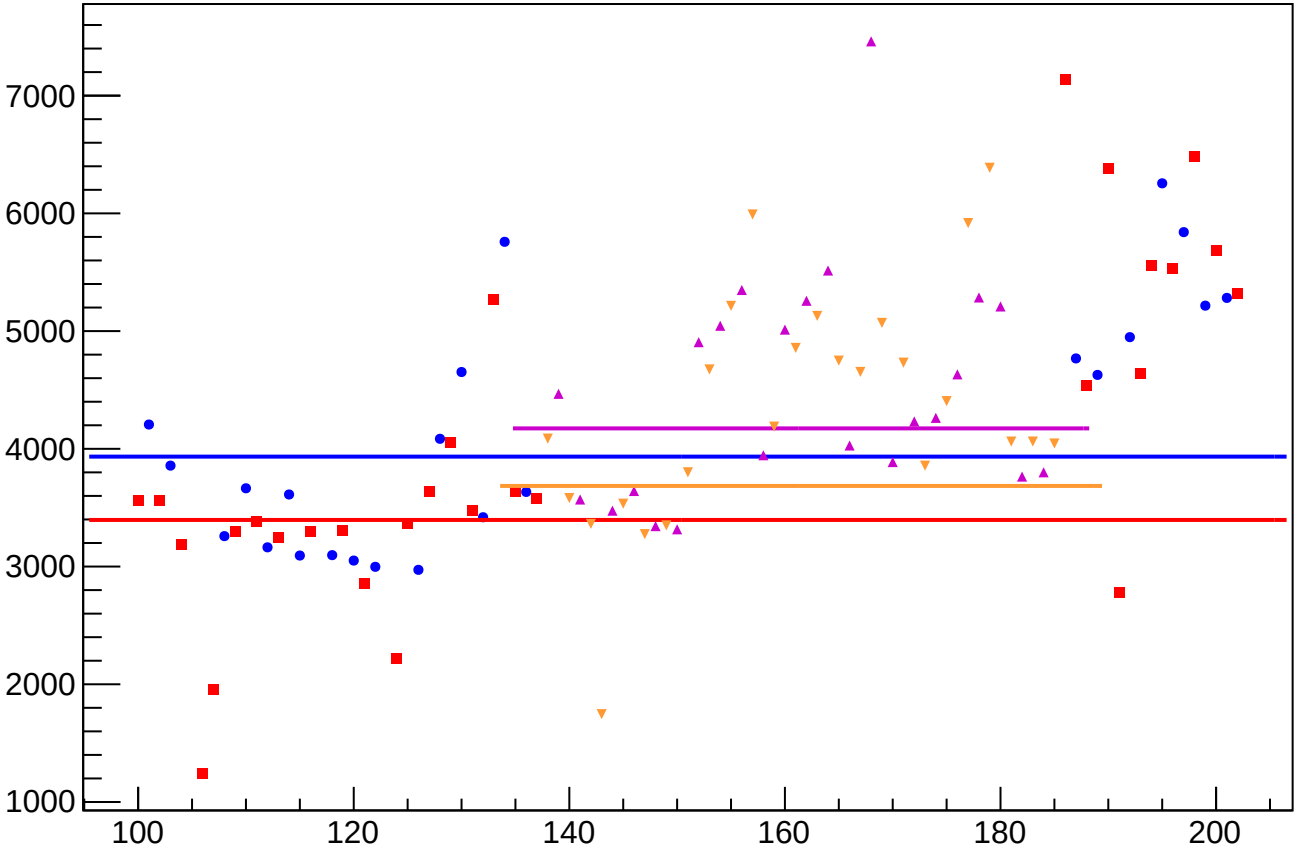
Right: 652.281+/-743.121 χ^2/NDF: 53.2/51

In: 56.386+/-753.982 χ^2/NDF:36.9/45

Out: 476.983+/-654.609 χ^2/NDF:59.6/53

All: 296.210+/-494.305 χ^2/NDF: 96.7/99

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3933.796+/-0.817 χ^2/NDF: 1306248.7/22

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3395.819+/-0.686 χ^2/NDF: 4012509.1/28

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

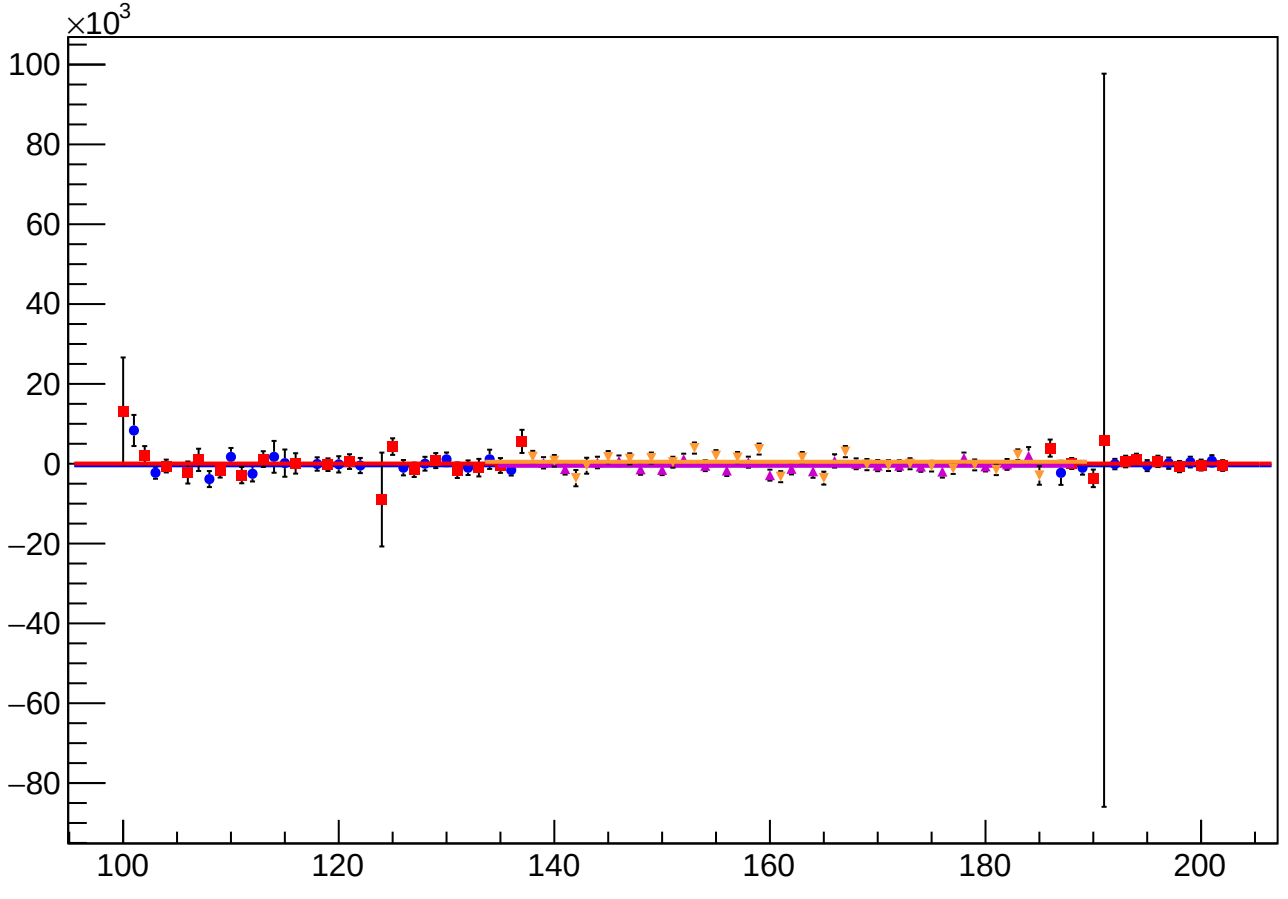
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3618.538+/-0.525 χ^2/NDF: 5573051.1/51

In: 4071.374+/-0.533 χ^2/NDF:2630674.4/45

Out: 3553.377+/-0.463 χ^2/NDF:7802777.4/53

All: 3776.013+/-0.350 χ^2/NDF: 10971708.7/9



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

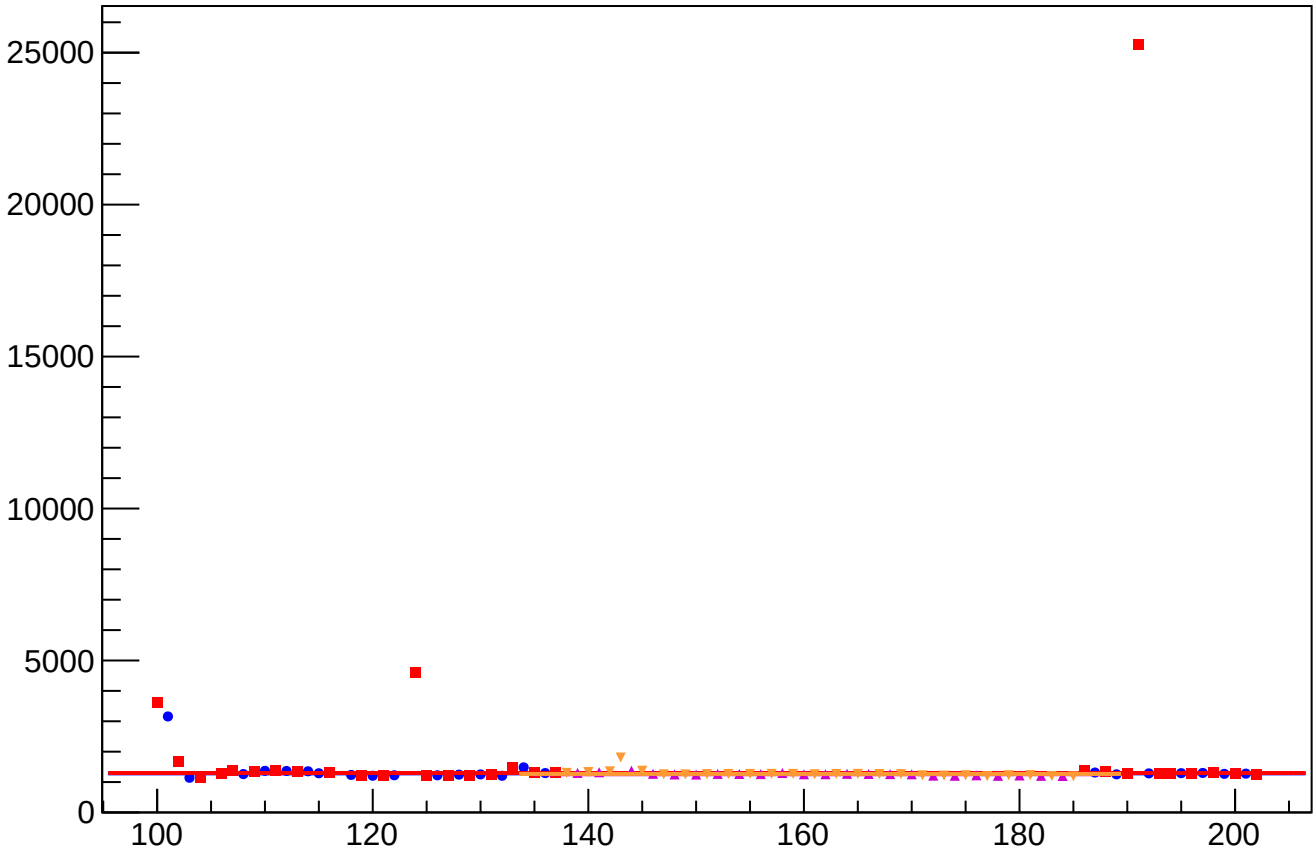
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -160.832+/-253.377 χ^2/NDF: 40.5/51

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -56.987+/-159.762 χ^2/NDF: 107.8/99



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

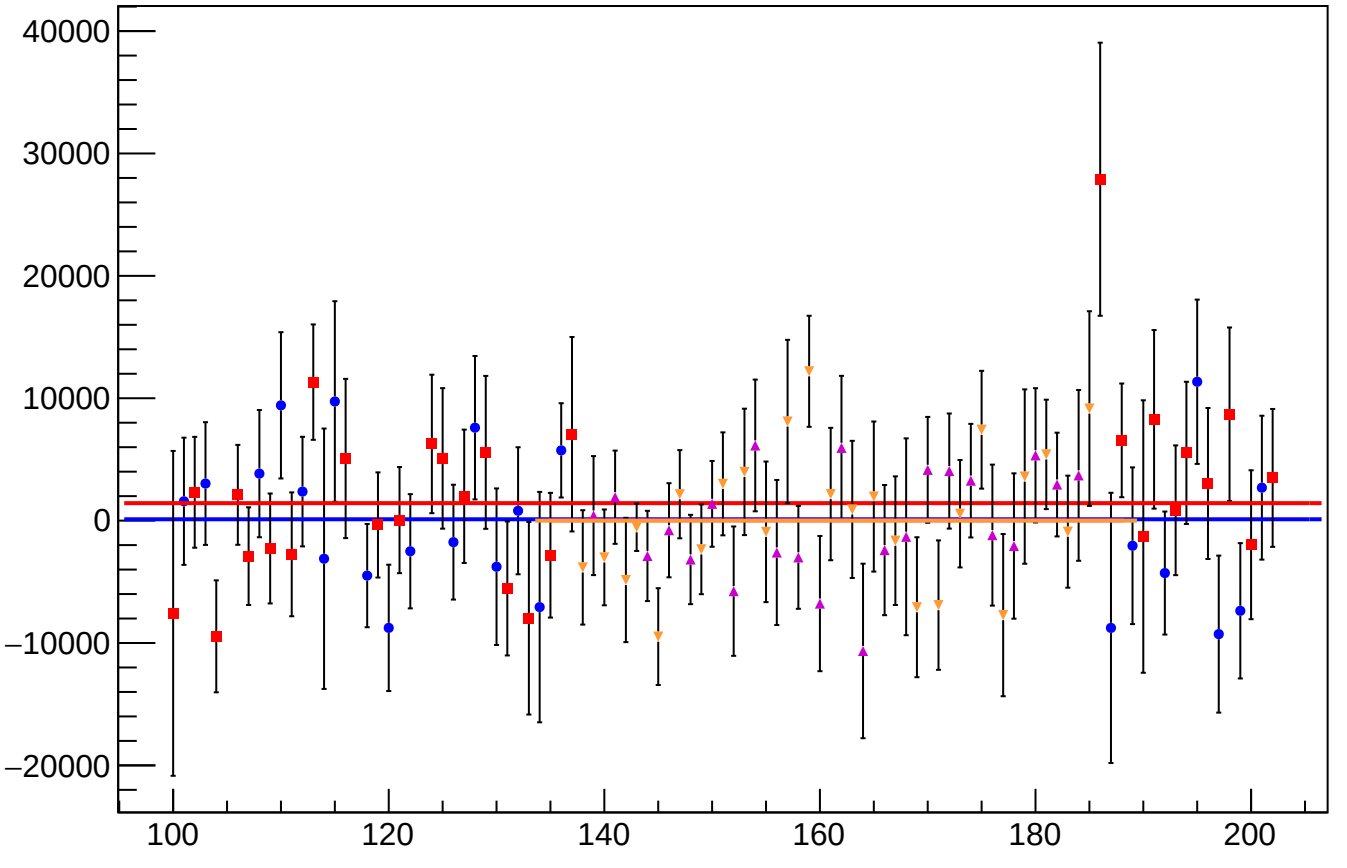
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1292.411+/-0.179 χ^2/NDF: 991599.8/51

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

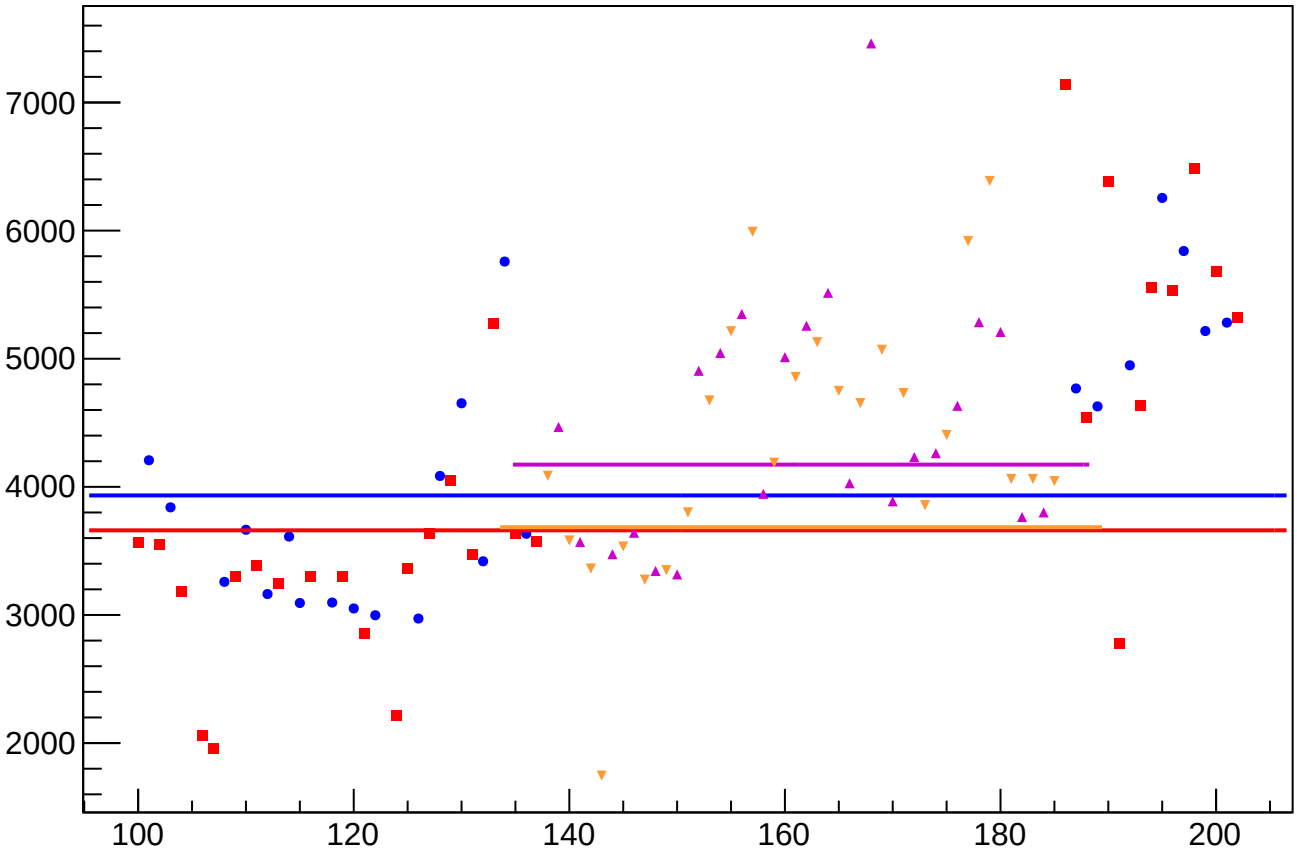
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 851.909+/-763.484 χ^2/NDF: 53.1/51

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 373.414+/-500.162 χ^2/NDF: 96.9/99



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

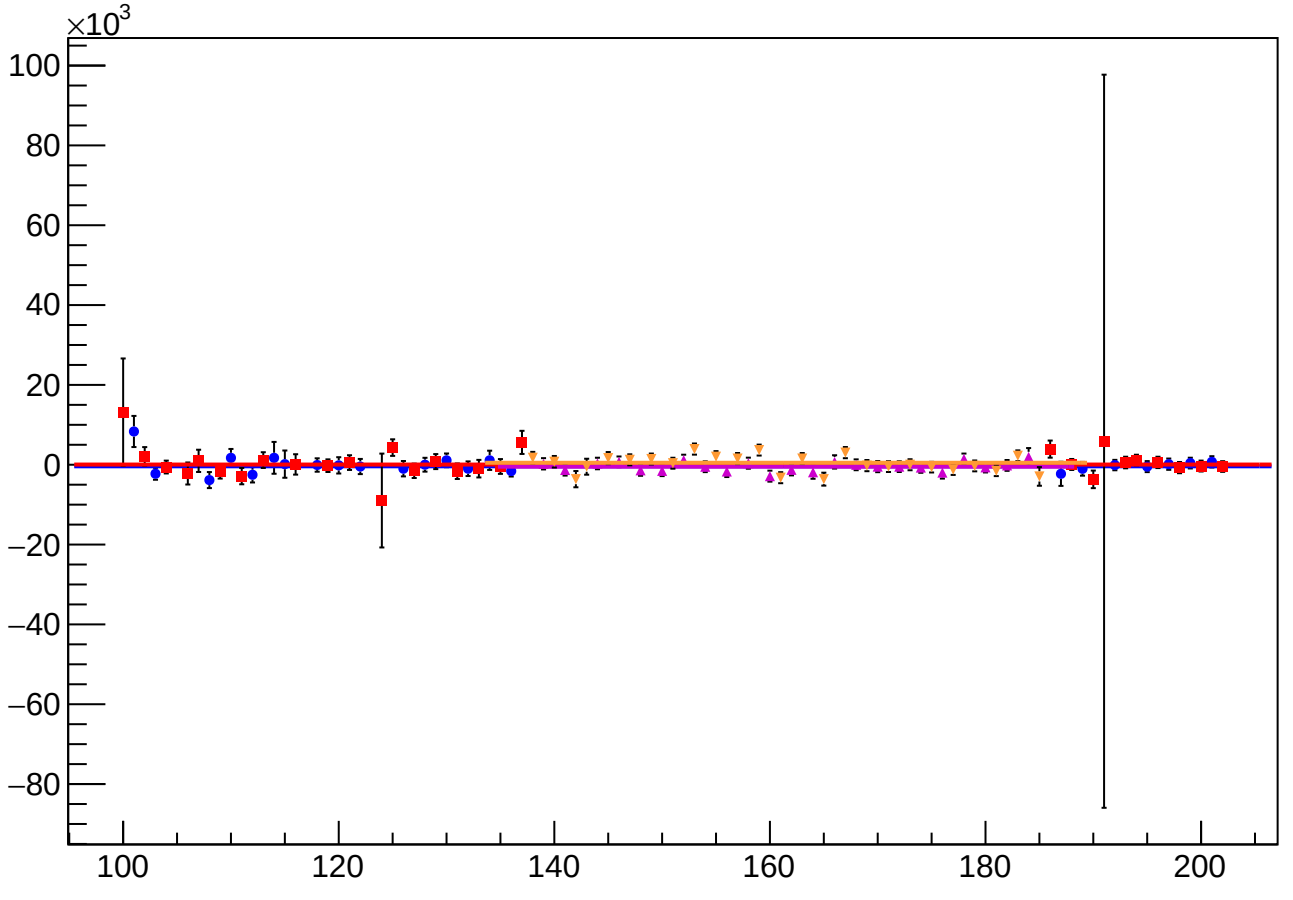
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3779.748+/-0.540 χ^2/NDF: 4008832.2/51

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

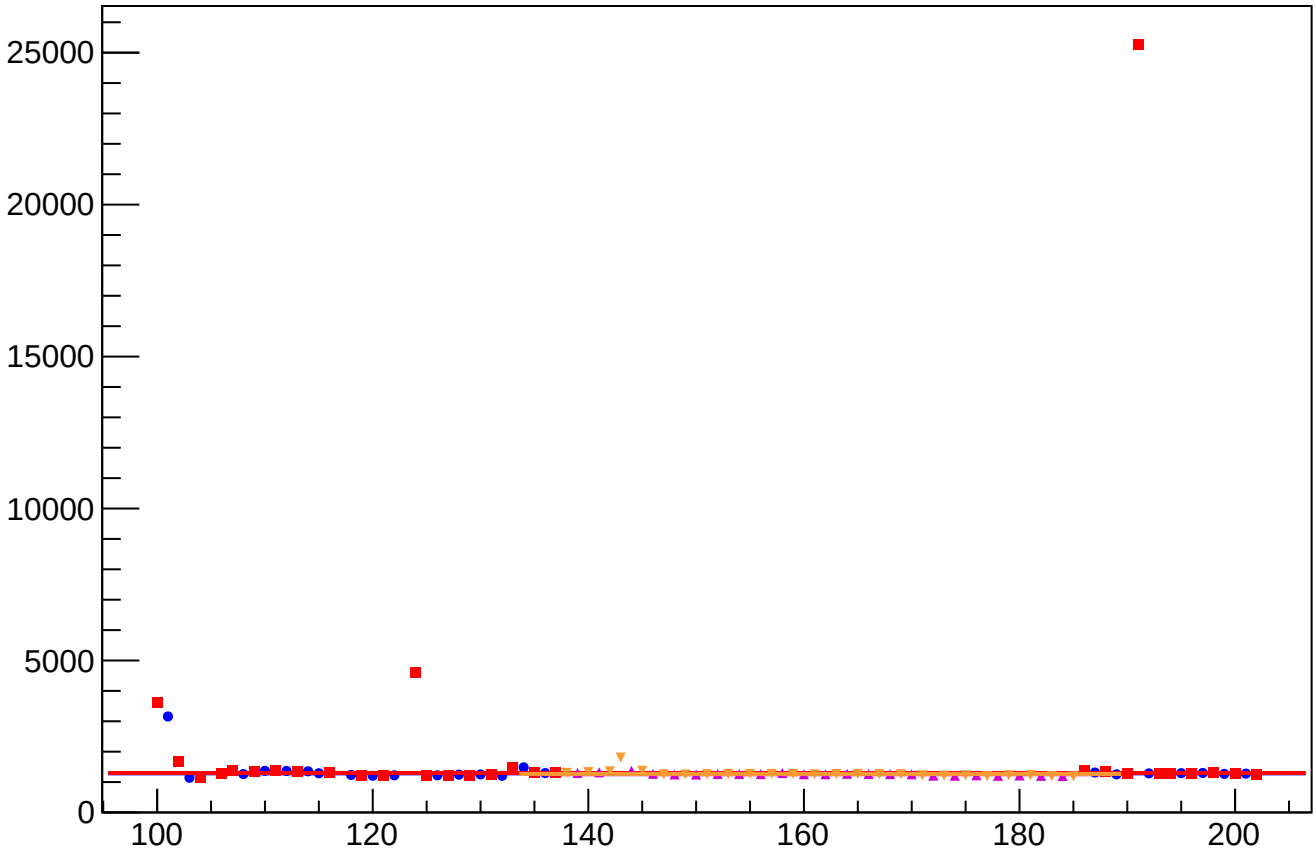
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -160.832+/-253.377 χ^2/NDF: 40.5/51

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -56.987+/-159.762 χ^2/NDF: 107.8/99



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

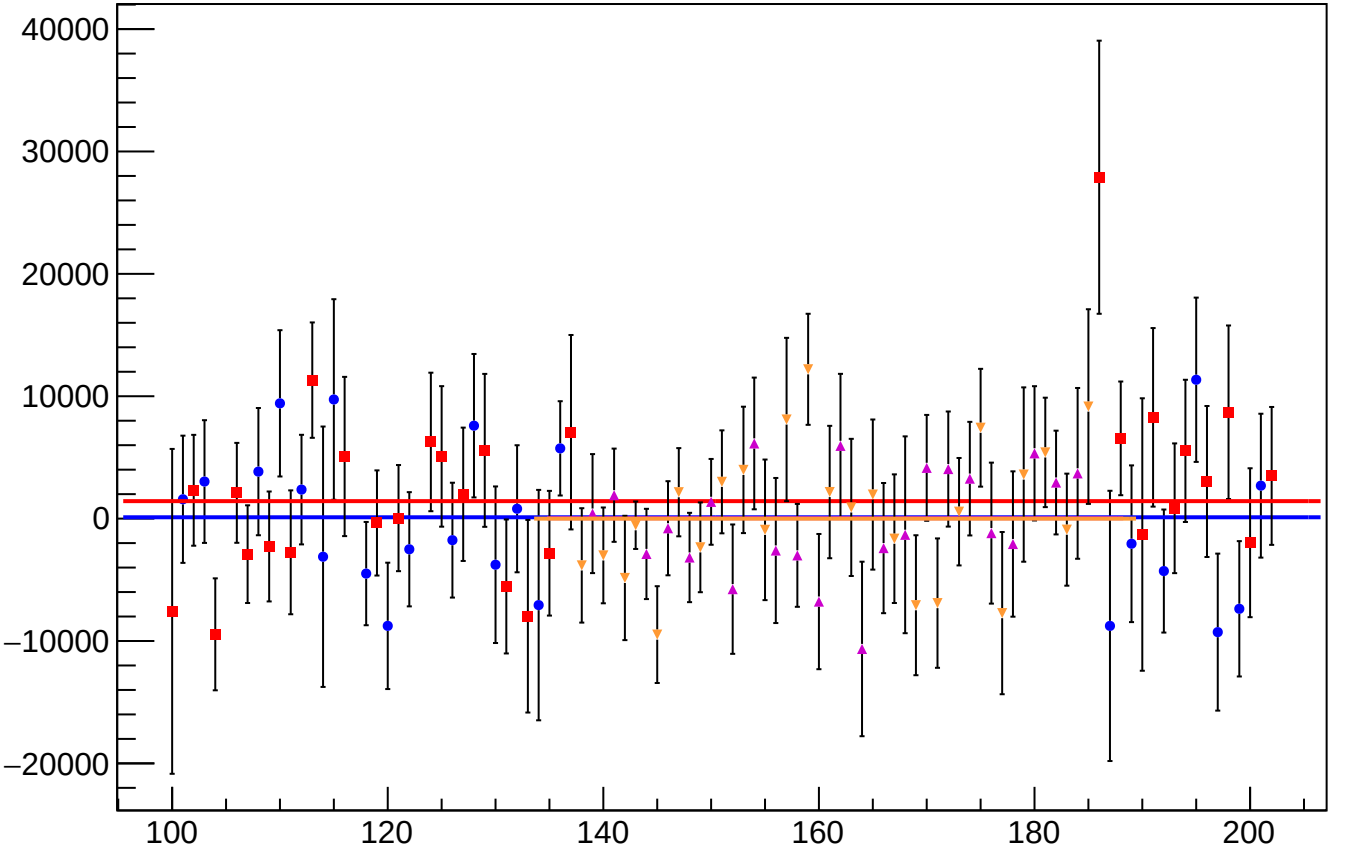
Right: 1292.411+/-0.179 χ^2/NDF: 991599.8/51

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

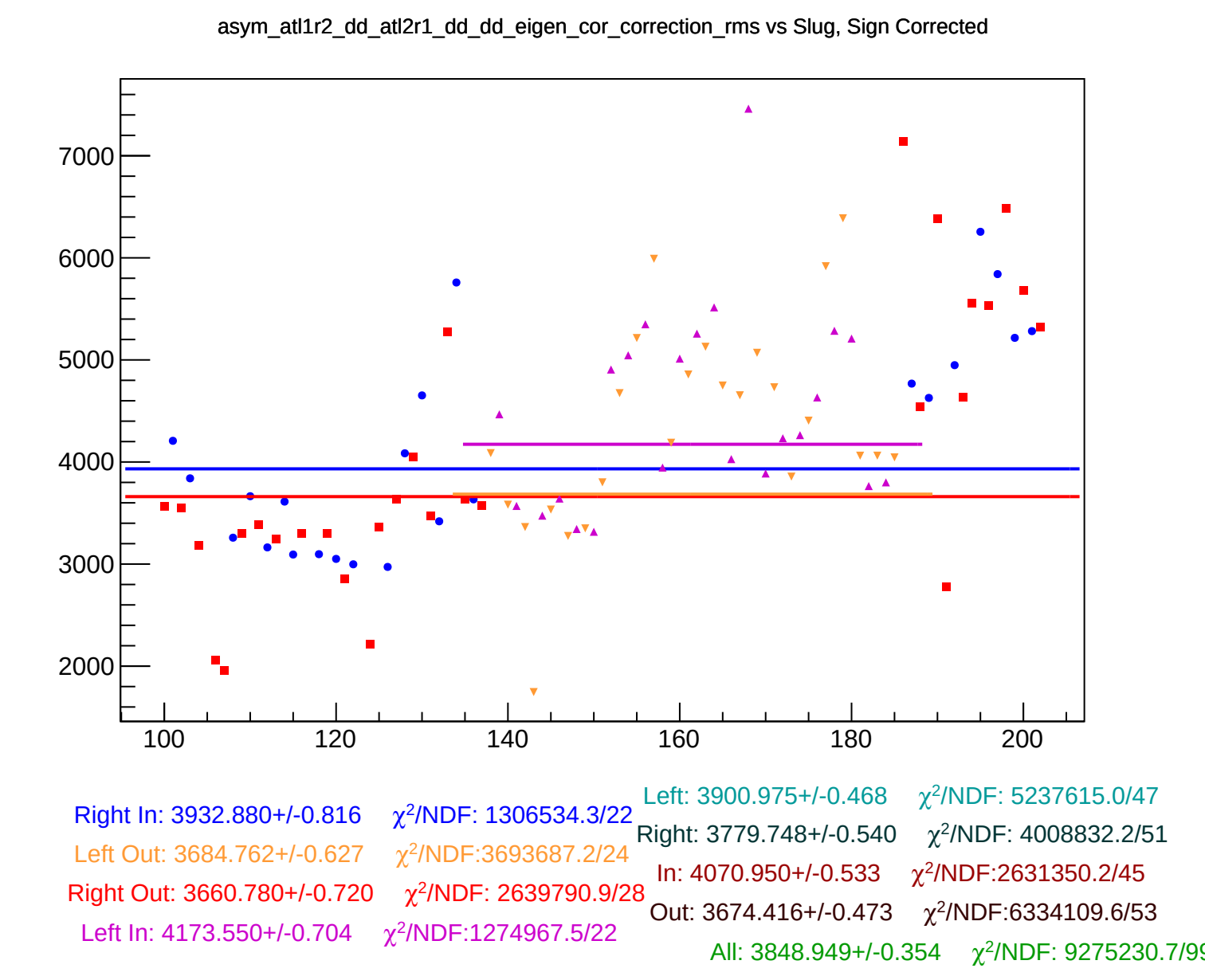
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

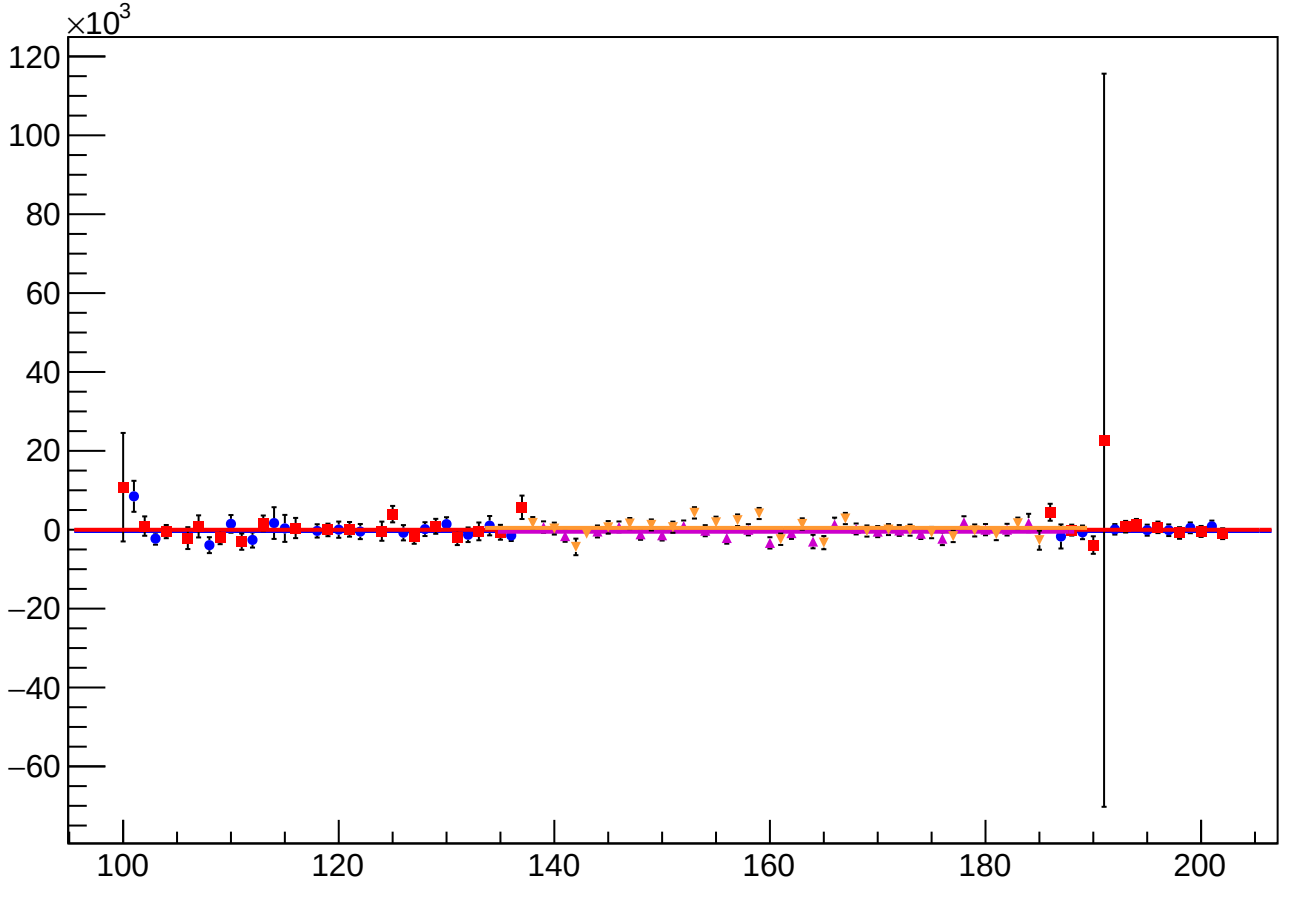
Right: 851.909+/-763.484 χ^2/NDF: 53.1/51

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 373.414+/-500.162 χ^2/NDF: 96.9/99


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3932.880+/-0.816 χ²/NDF: 1306534.3/22
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3660.780+/-0.720 χ²/NDF: 2639790.9/28
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3779.748+/-0.540 χ²/NDF: 4008832.2/51
In: 4070.950+/-0.533 χ²/NDF:2631350.2/45
Out: 3674.416+/-0.473 χ²/NDF:6334109.6/53
All: 3848.949+/-0.354 χ²/NDF: 9275230.7/99



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.934+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

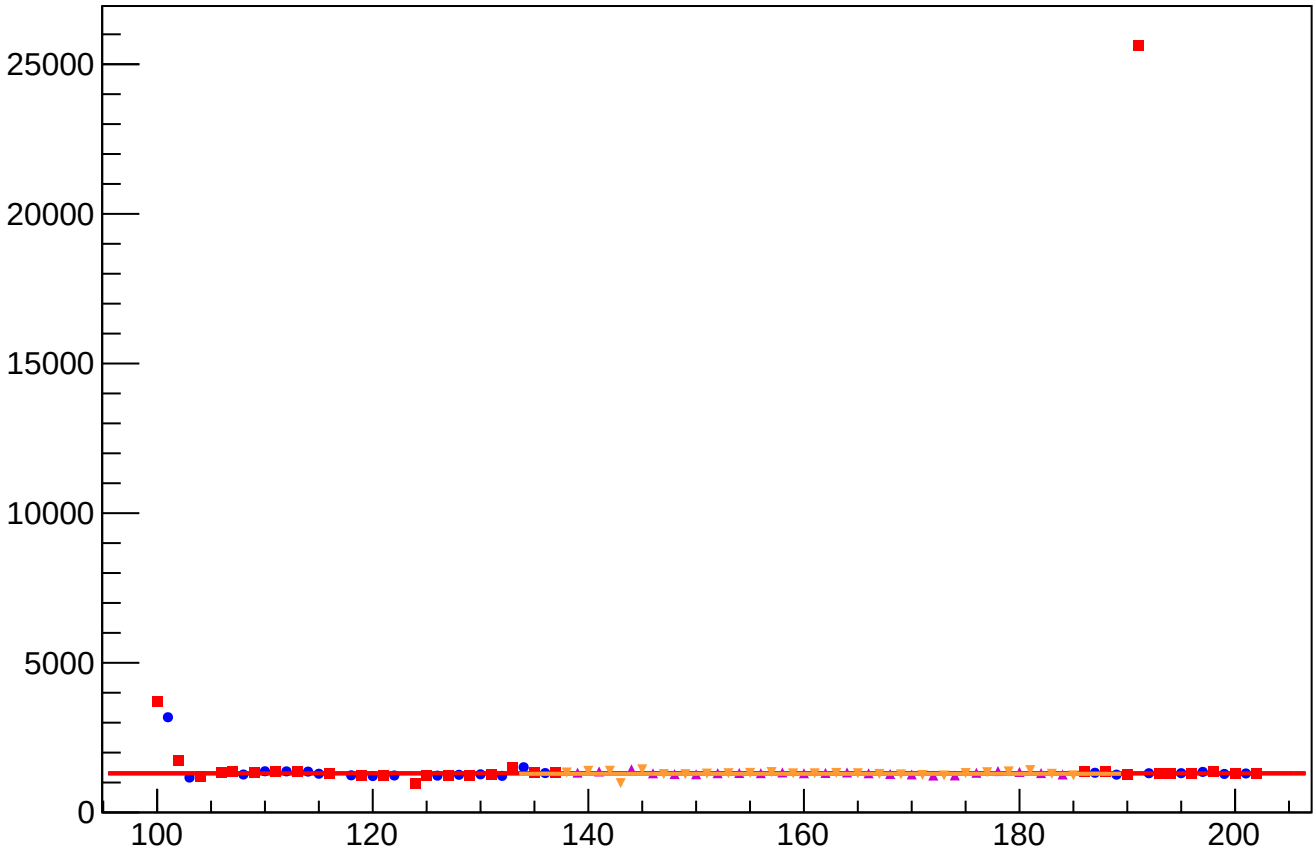
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -154.957+/-256.097 χ^2/NDF: 40.9/51

In: -430.438+/-237.760 χ^2/NDF:33.4/45

Out: 269.613+/-225.229 χ^2/NDF:69.9/53

All: -61.478+/-163.512 χ^2/NDF: 107.9/99



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.5/22

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.3/28

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

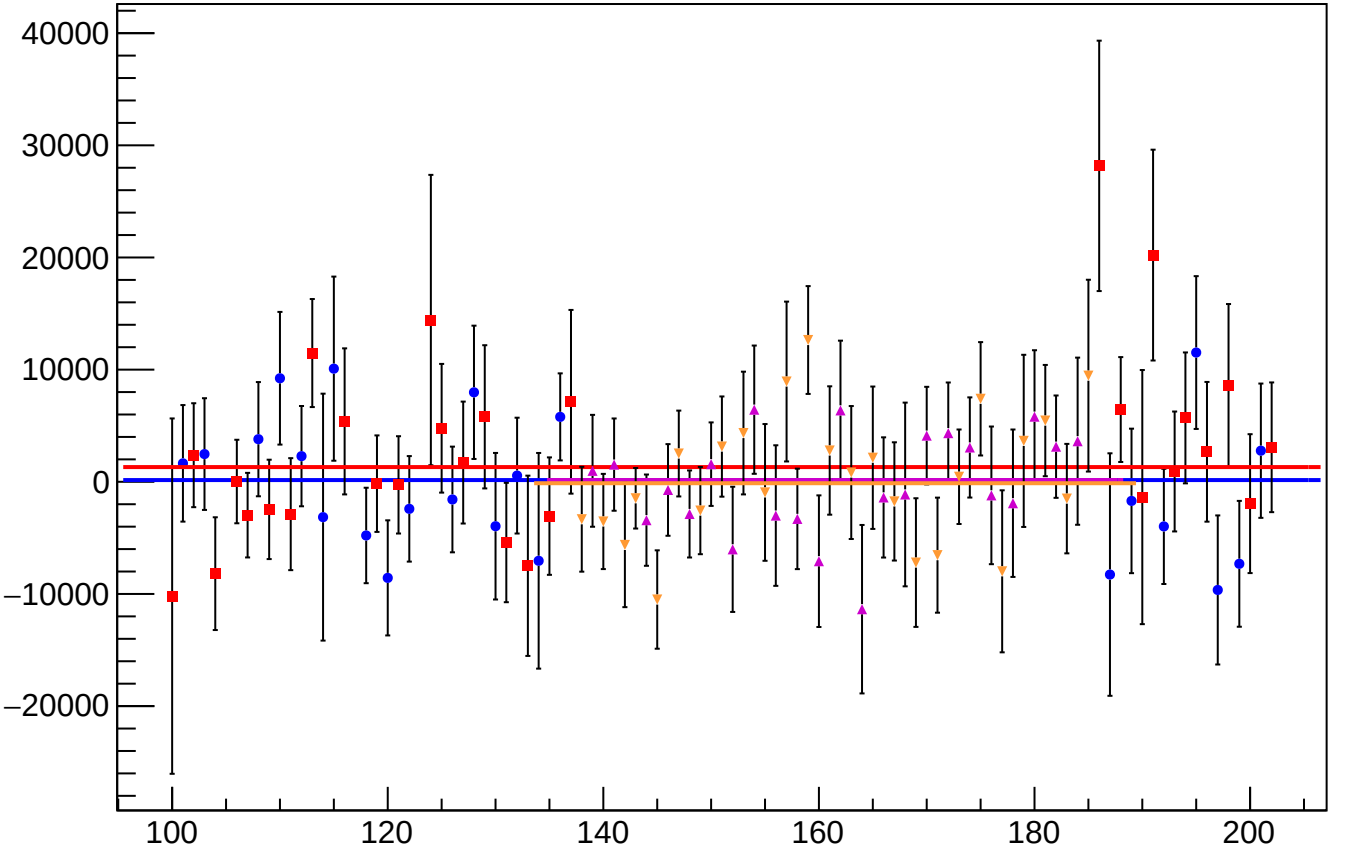
Right: 1307.241+/-0.181 χ^2/NDF: 878032.1/51

In: 1310.613+/-0.168 χ^2/NDF:558267.1/45

Out: 1298.467+/-0.159 χ^2/NDF:597012.5/53

All: 1304.210+/-0.116 χ^2/NDF: 1158030.9/99

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 153.864+/-1160.928 χ^2/NDF: 22.7/22

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1312.194+/-1035.746 χ^2/NDF: 31.0/28

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

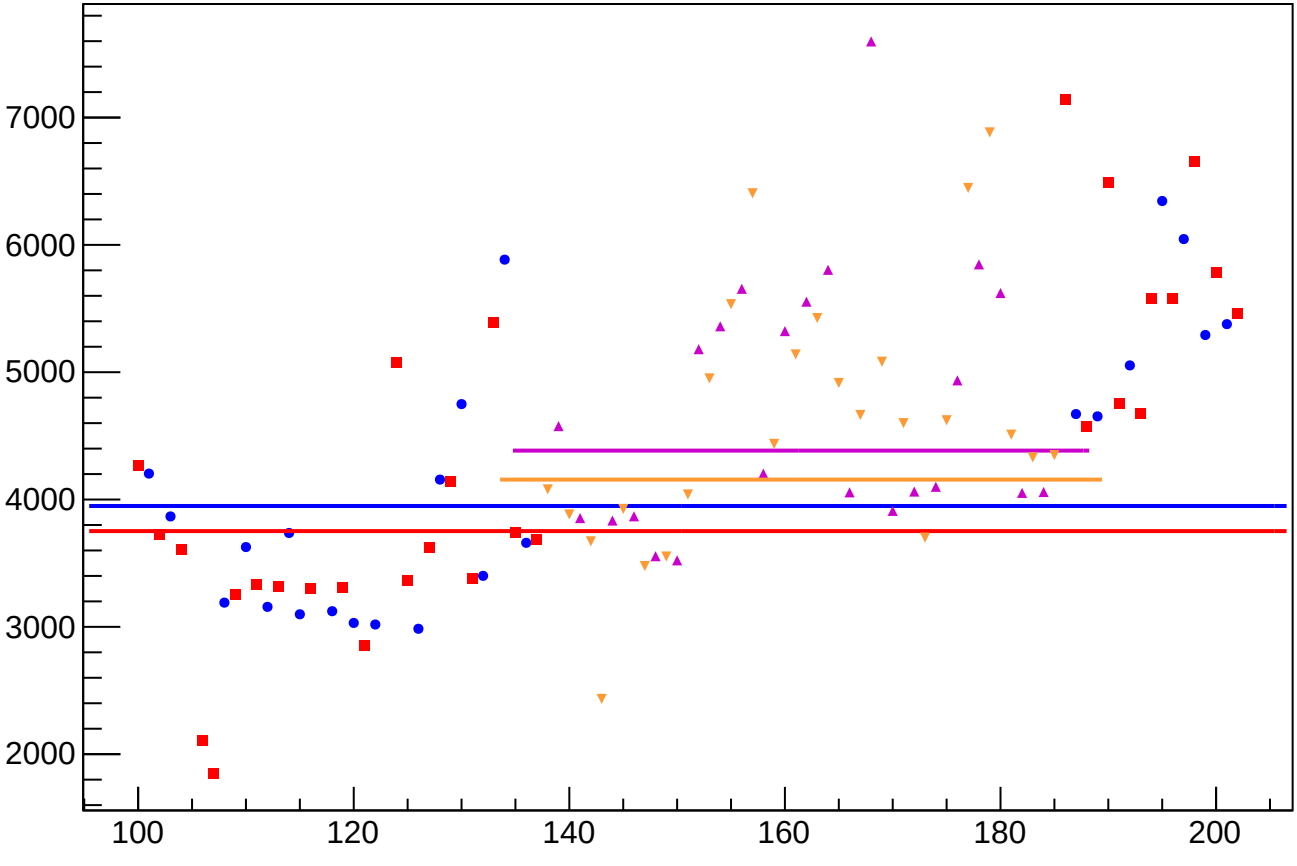
Right: 798.825+/-772.865 χ^2/NDF: 54.3/51

In: 156.950+/-776.897 χ^2/NDF:36.5/45

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 371.260+/-524.422 χ^2/NDF: 97.2/99

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3949.274+/-0.821 χ^2/NDF: 1389419.1/22

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3752.152+/-0.732 χ^2/NDF: 2726333.6/28

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

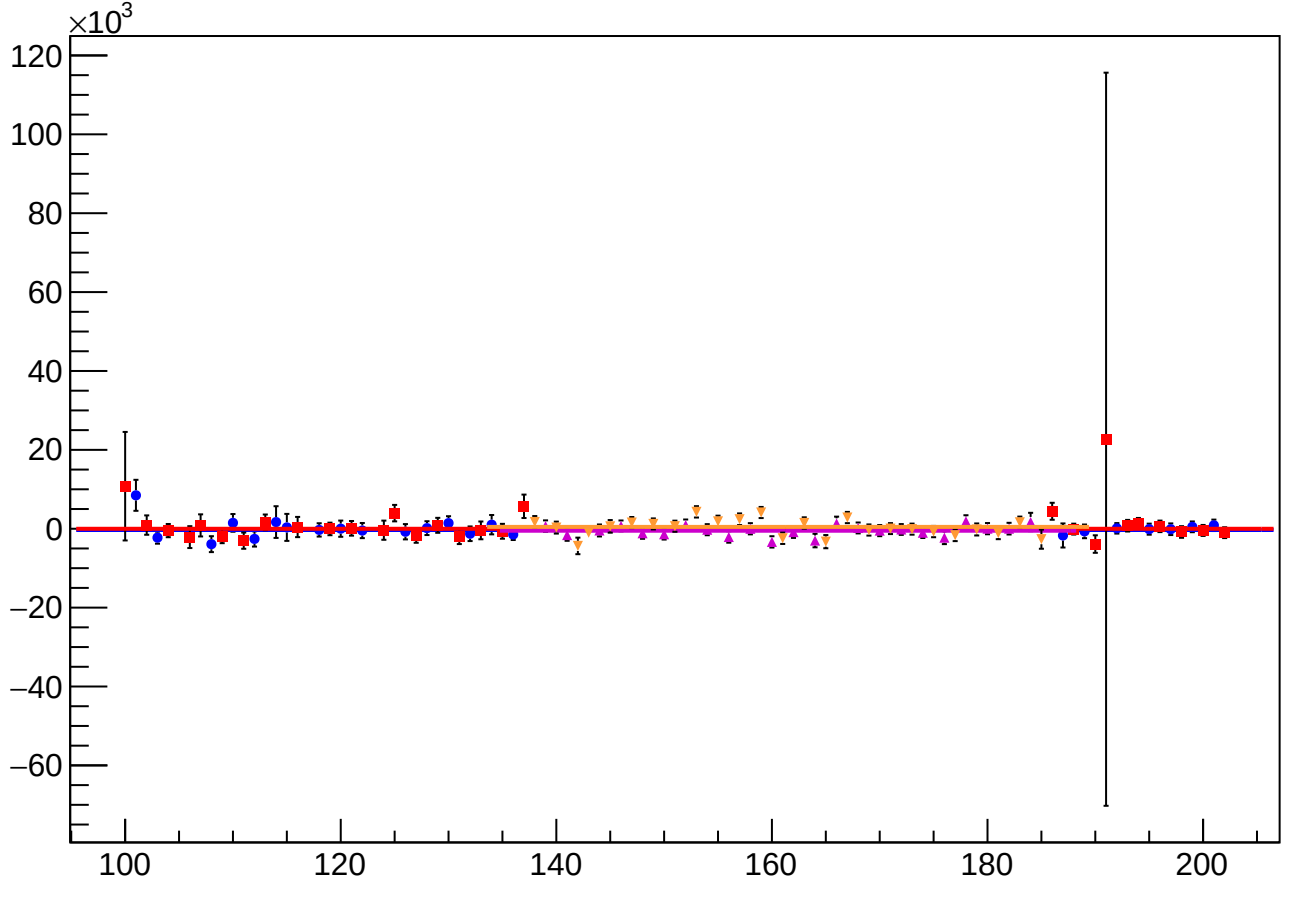
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3839.516+/-0.546 χ^2/NDF: 4147859.0/51

In: 4189.493+/-0.549 χ^2/NDF:2799973.5/45

Out: 3966.113+/-0.503 χ^2/NDF:4968424.5/53

All: 4067.897+/-0.371 χ^2/NDF: 7858403.1/99



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.937+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

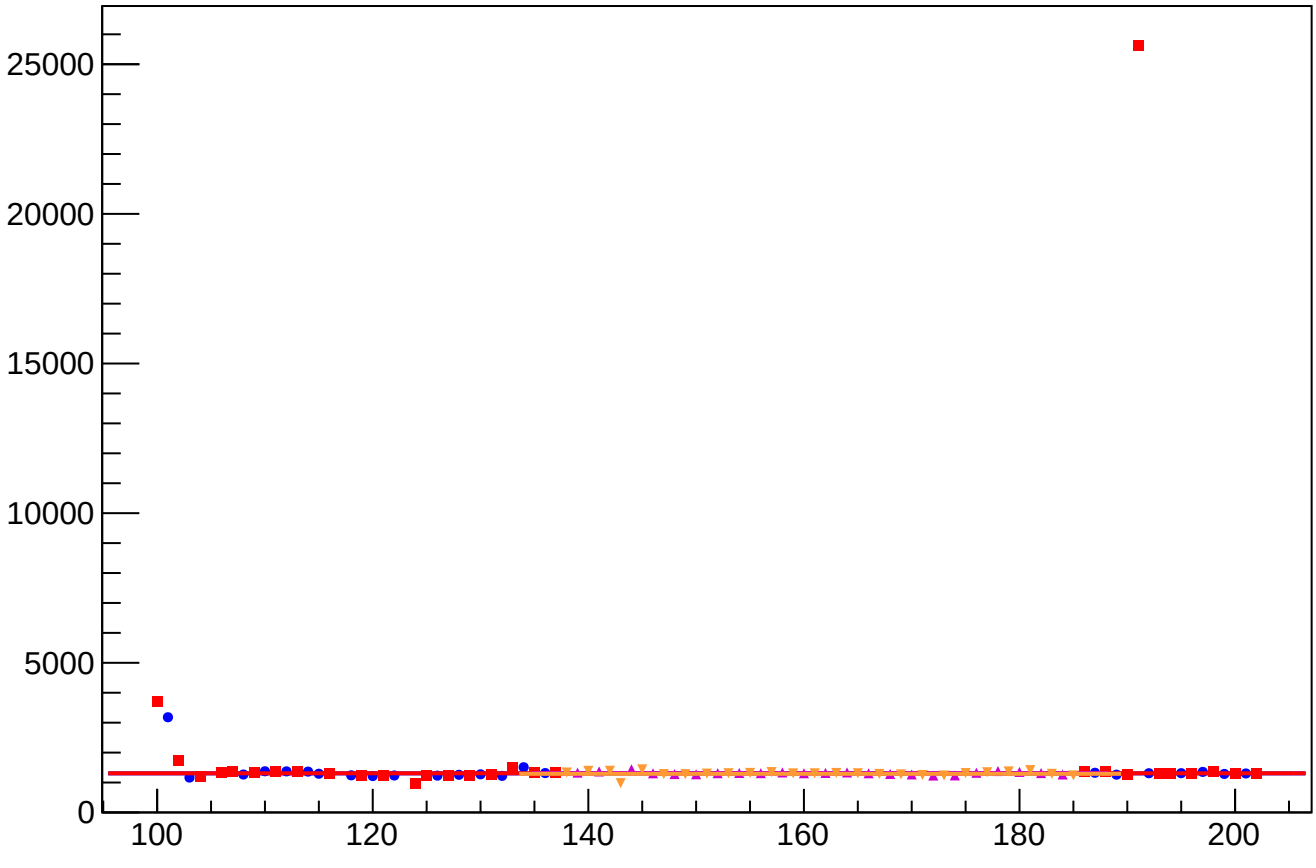
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -154.959+/-256.097 χ^2/NDF: 40.9/51

In: -430.438+/-237.761 χ^2/NDF:33.4/45

Out: 269.614+/-225.229 χ^2/NDF:69.9/53

All: -61.478+/-163.512 χ^2/NDF: 107.9/99



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.7/22

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.6/28

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

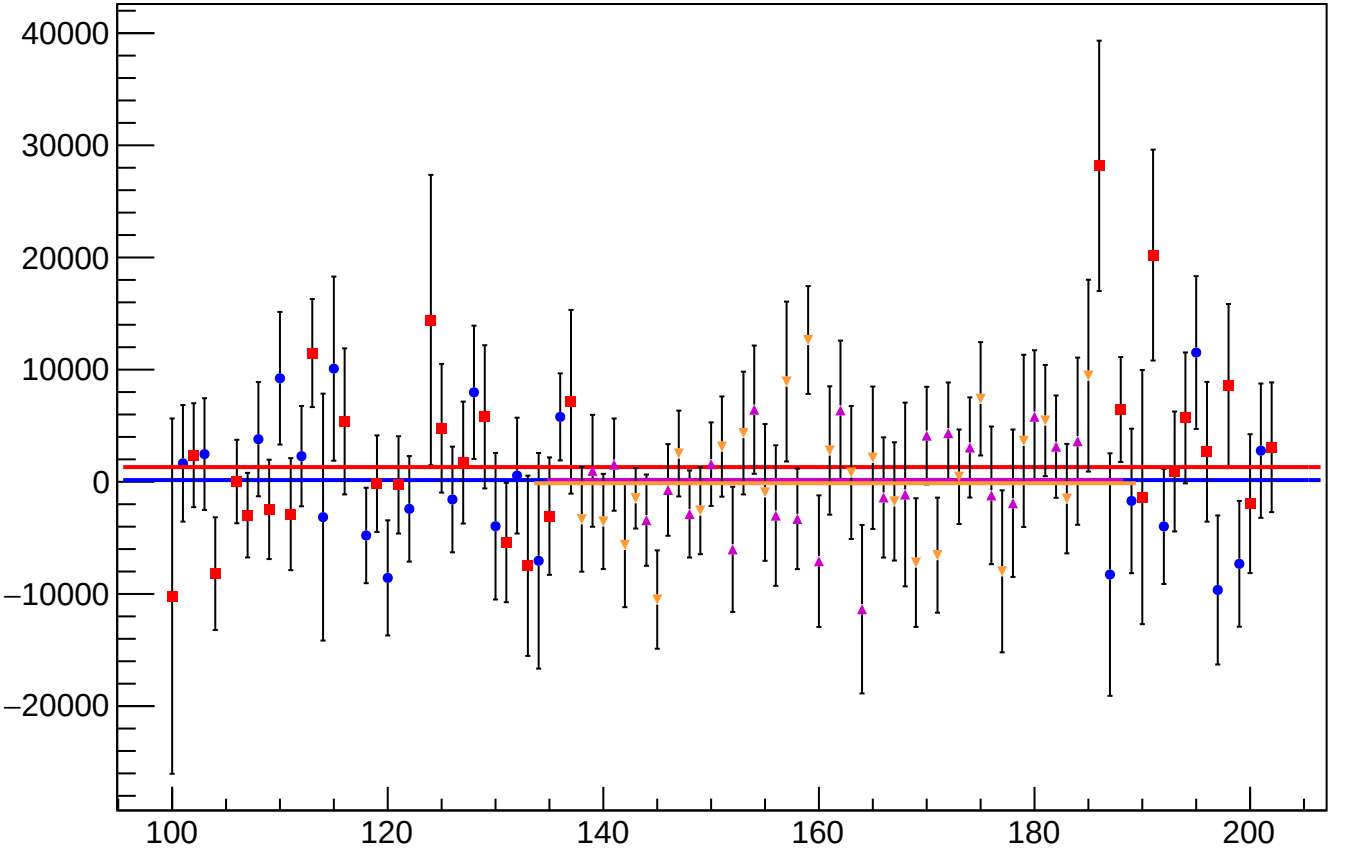
Right: 1307.241+/-0.181 χ^2/NDF: 878032.6/51

In: 1310.614+/-0.168 χ^2/NDF:558269.7/45

Out: 1298.467+/-0.159 χ^2/NDF:597014.9/53

All: 1304.211+/-0.116 χ^2/NDF: 1158035.9/99

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 153.858+/-1160.926 χ^2/NDF: 22.7/22

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1312.187+/-1035.745 χ^2/NDF: 31.0/28

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

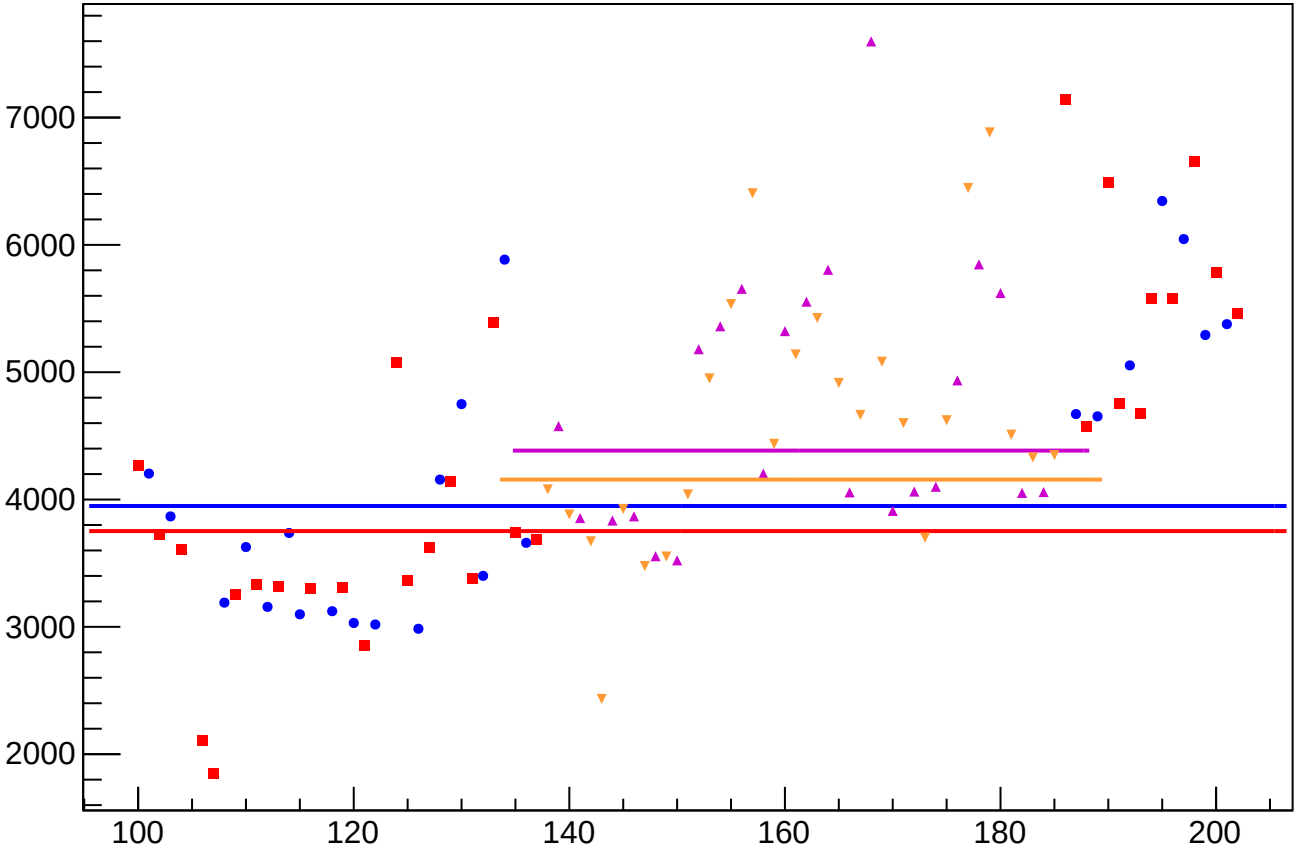
Right: 798.818+/-772.864 χ^2/NDF: 54.3/51

In: 156.948+/-776.897 χ^2/NDF:36.5/45

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 371.259+/-524.422 χ^2/NDF: 97.2/99

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3949.266+/-0.821 χ^2/NDF: 1389439.6/22

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3752.145+/-0.732 χ^2/NDF: 2726354.9/28

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

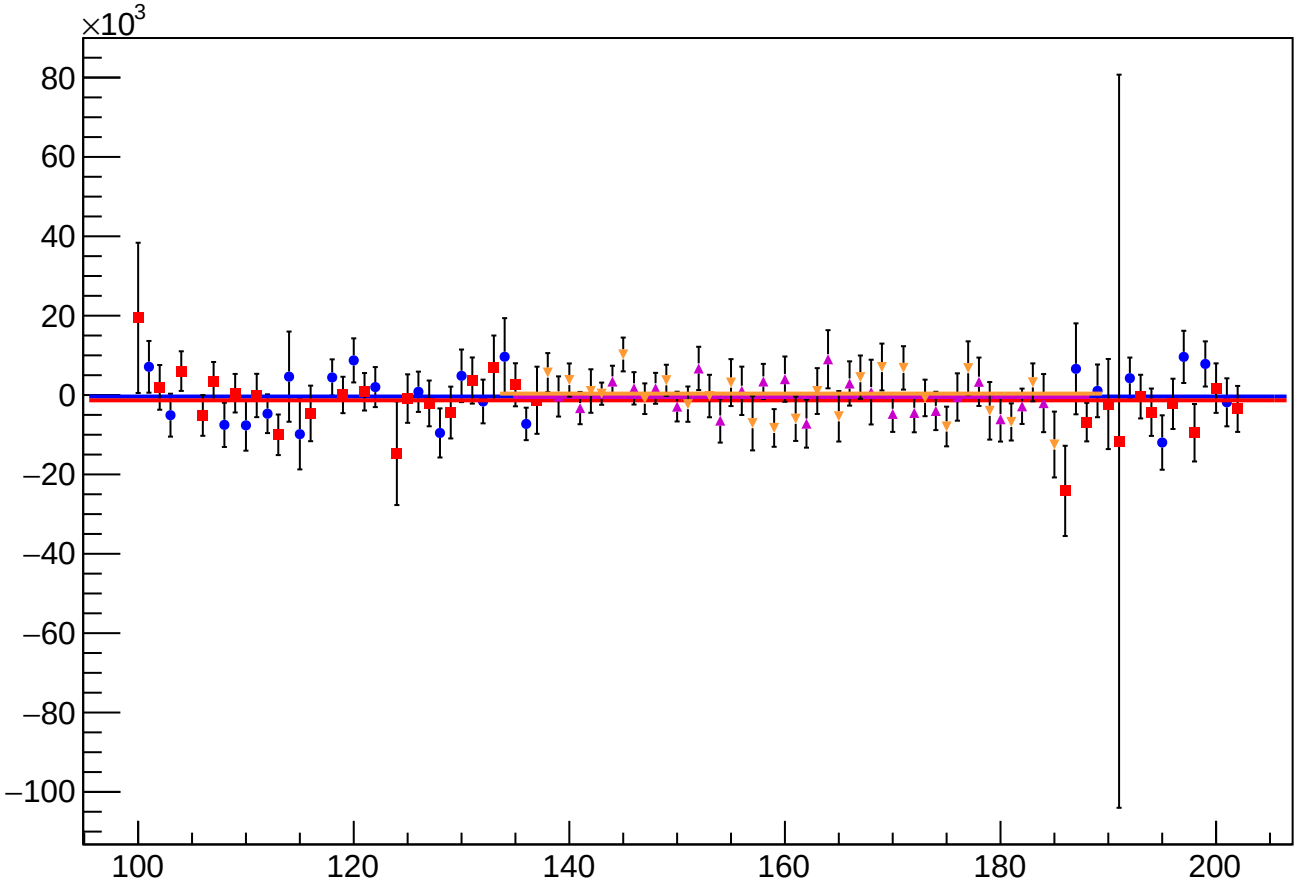
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3839.509+/-0.546 χ^2/NDF: 4147900.6/51

In: 4189.493+/-0.549 χ^2/NDF:2800008.6/45

Out: 3966.113+/-0.503 χ^2/NDF:4968459.5/53

All: 4067.897+/-0.371 χ^2/NDF: 7858473.2/99



Right In: -376.540+/-1232.959 χ^2/NDF: 26.5/22

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1332.758+/-1133.113 χ^2/NDF: 19.6/28

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

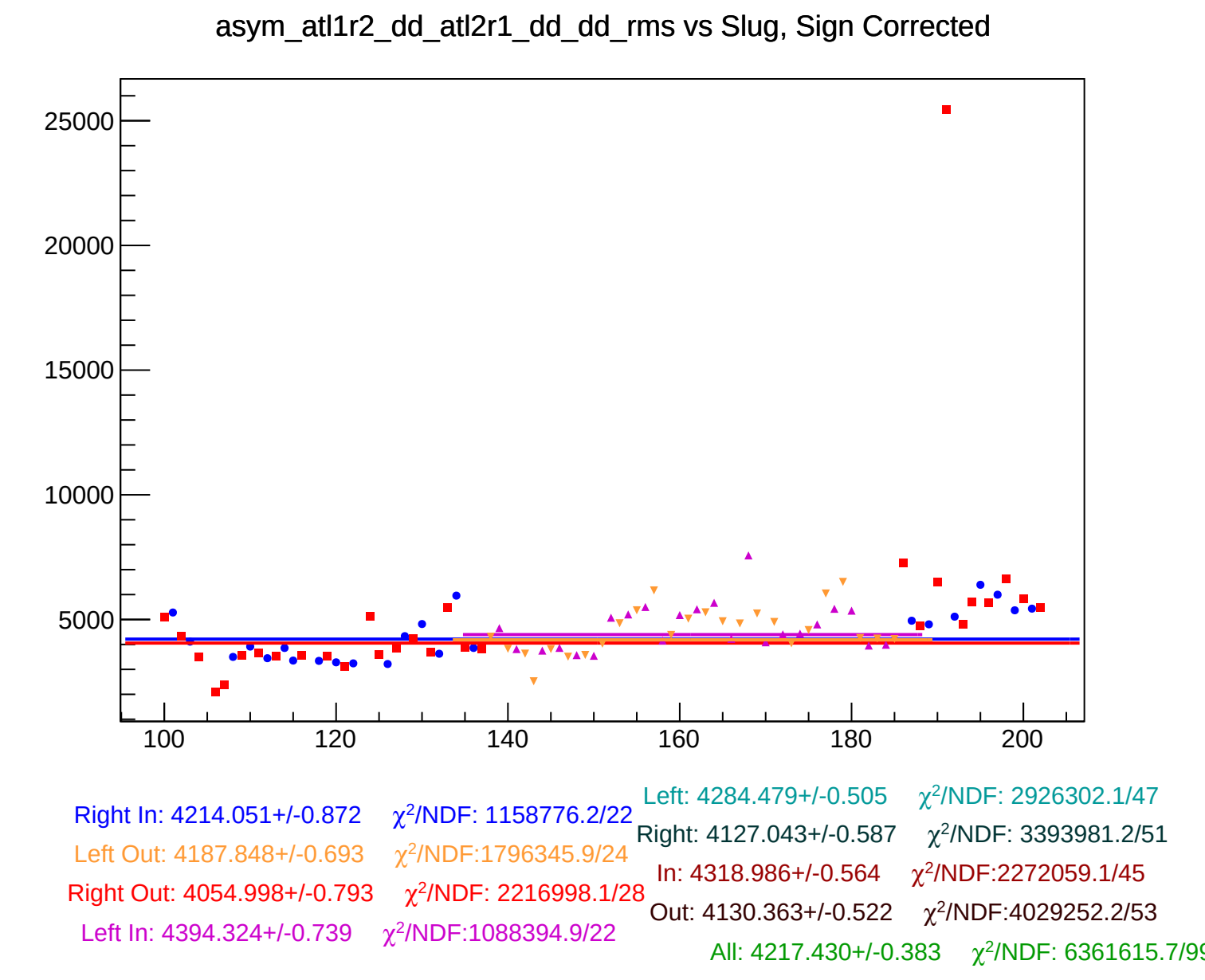
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

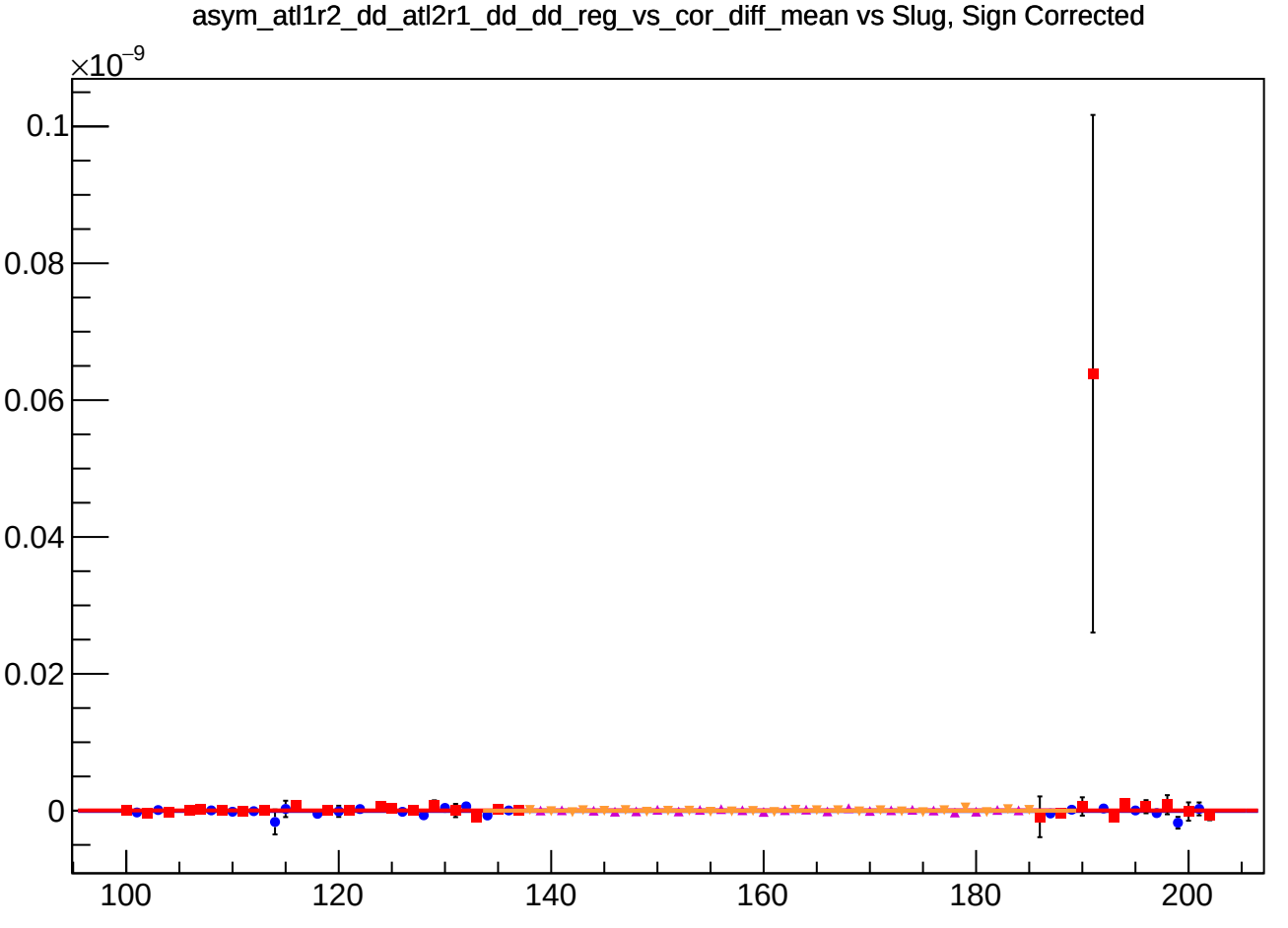
Right: -894.929+/-834.301 χ^2/NDF: 46.5/51

In: -446.963+/-797.058 χ^2/NDF:40.4/45

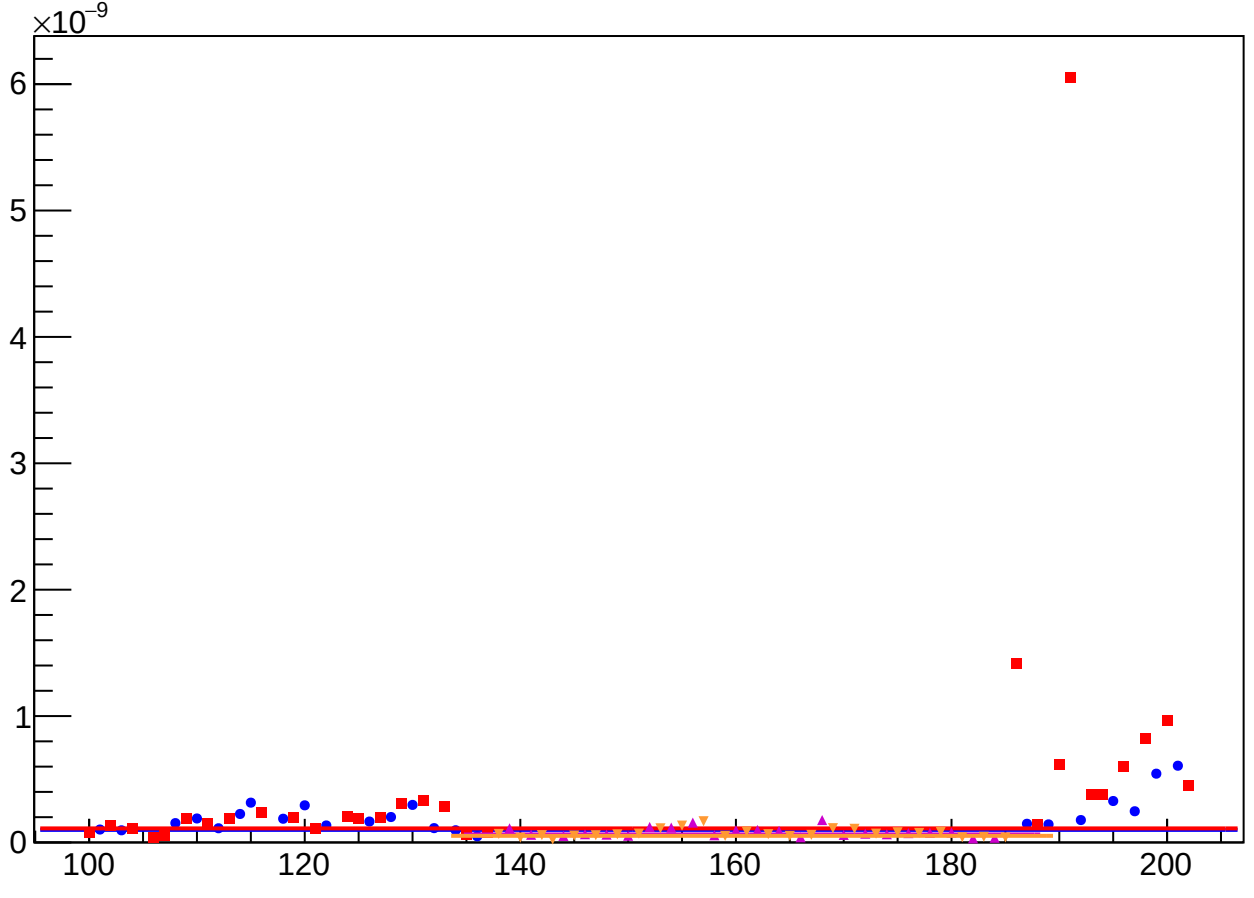
Out: -362.801+/-741.172 χ^2/NDF:48.6/53

All: -401.828+/-542.770 χ^2/NDF: 89.0/99


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4214.051+/-0.872 χ²/NDF: 1158776.2/22
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4054.998+/-0.793 χ²/NDF: 2216998.1/28
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4127.043+/-0.587 χ²/NDF: 3393981.2/51
In: 4318.986+/-0.564 χ²/NDF:2272059.1/45
Out: 4130.363+/-0.522 χ²/NDF:4029252.2/53
All: 4217.430+/-0.383 χ²/NDF: 6361615.7/99


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−9
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.5/22
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.3/28
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: -0.000+/-0.000 χ²/NDF: 50.6/51
In: 0.000+/-0.000 χ²/NDF:40.6/45
Out: 0.000+/-0.000 χ²/NDF:58.0/53
All: 0.000+/-0.000 χ²/NDF: 98.7/99

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3093650.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5500273.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

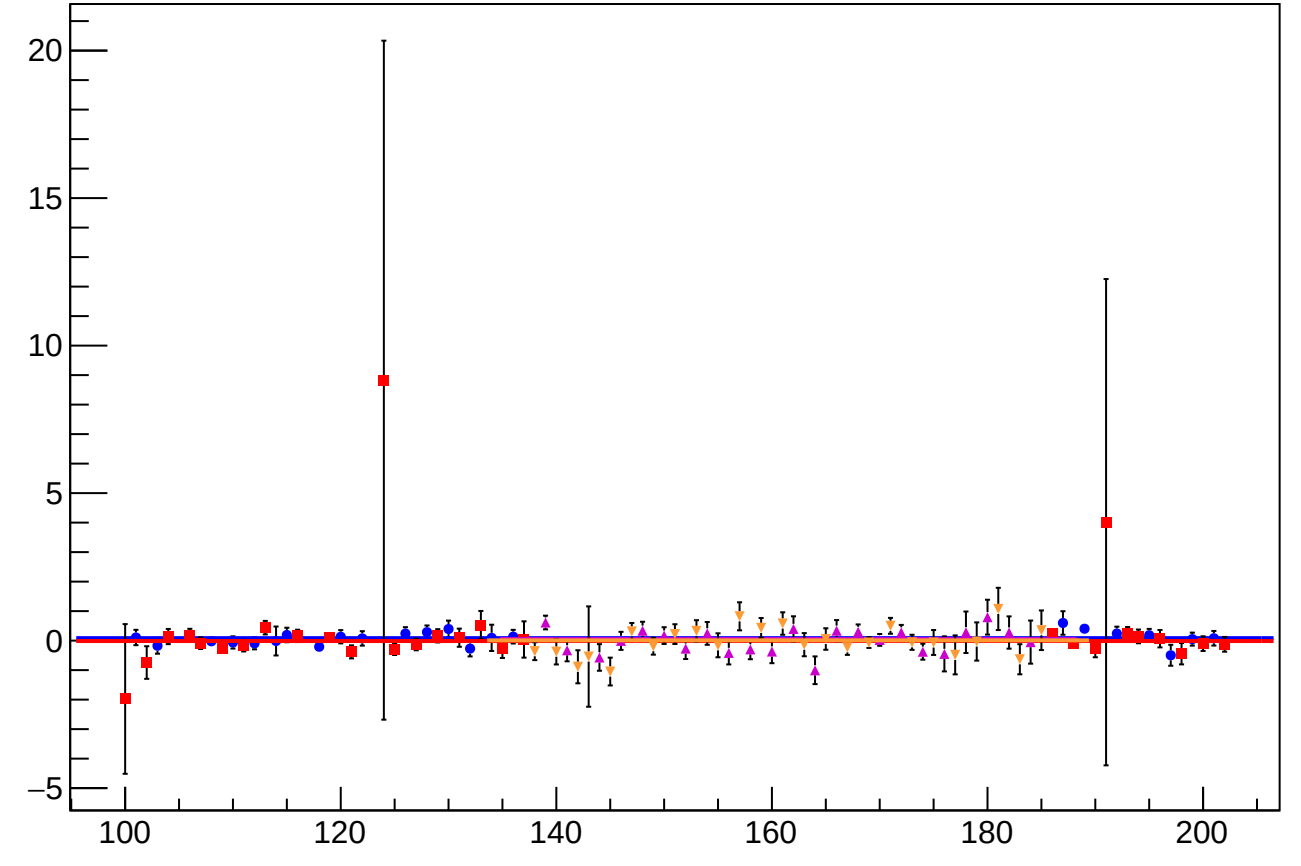
Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8633480.0/51

In: 0.000+/-0.000 χ^2/NDF:5546732.8/45

Out: 0.000+/-0.000 χ^2/NDF:9745255.7/53

All: 0.000+/-0.000 χ^2/NDF: 15508122.6/99



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

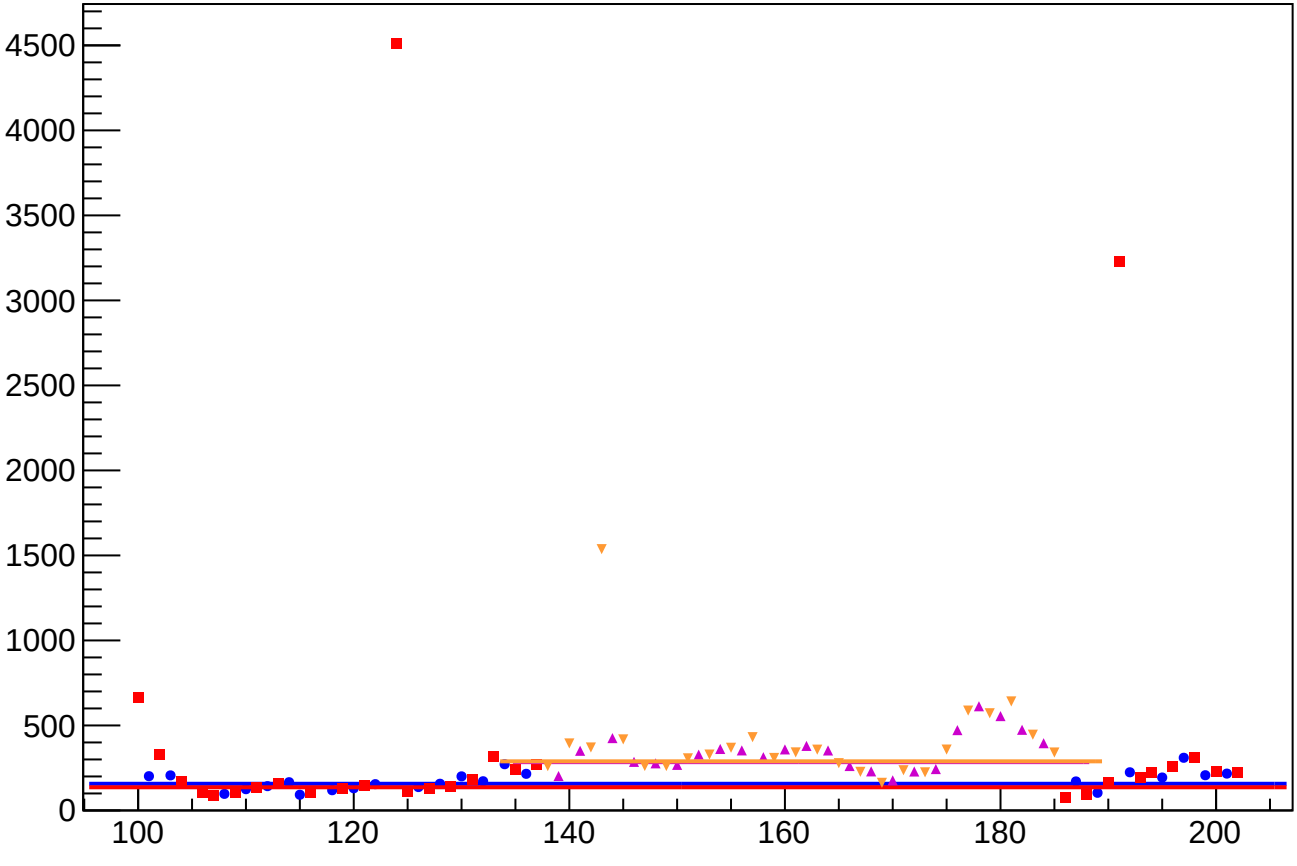
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

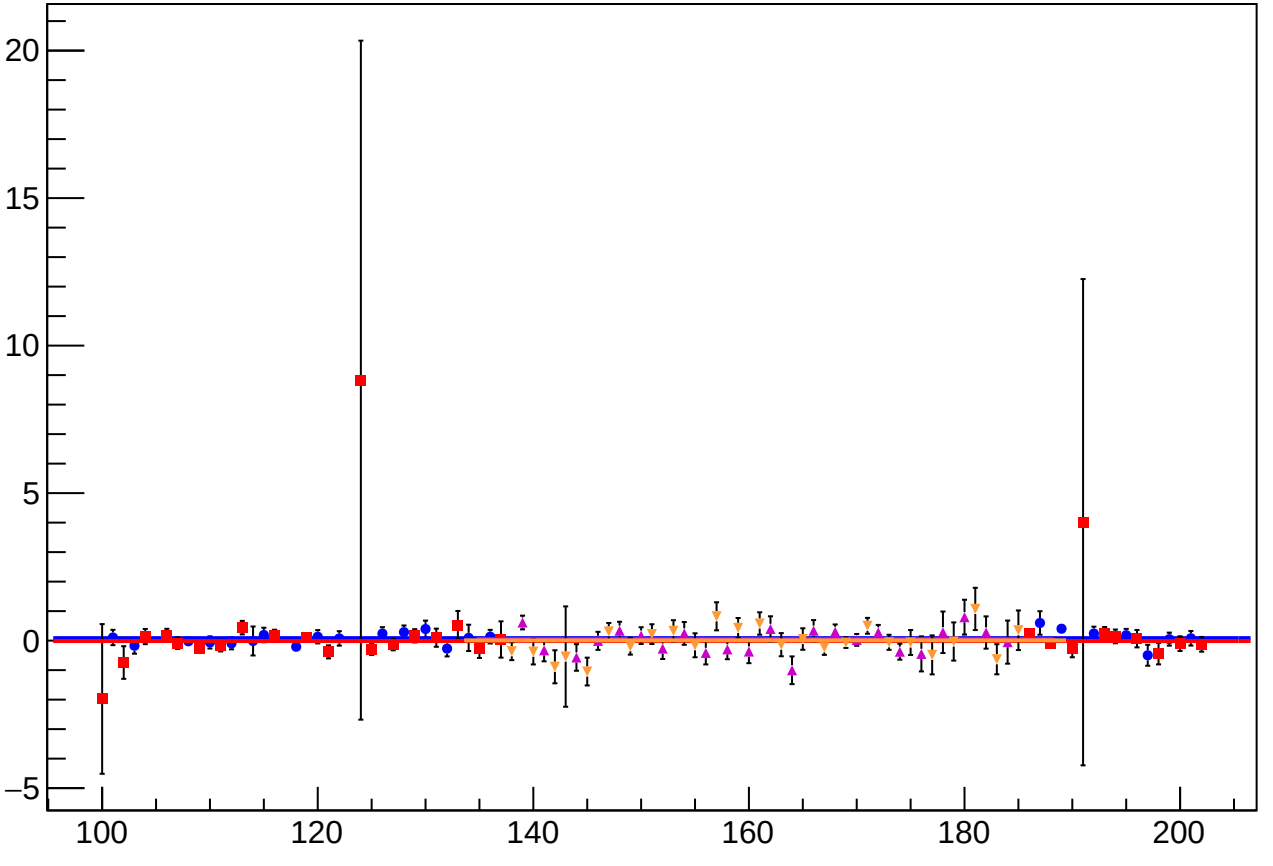
Right: 144.991+/-0.022 χ^2/NDF: 6866644.5/51

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

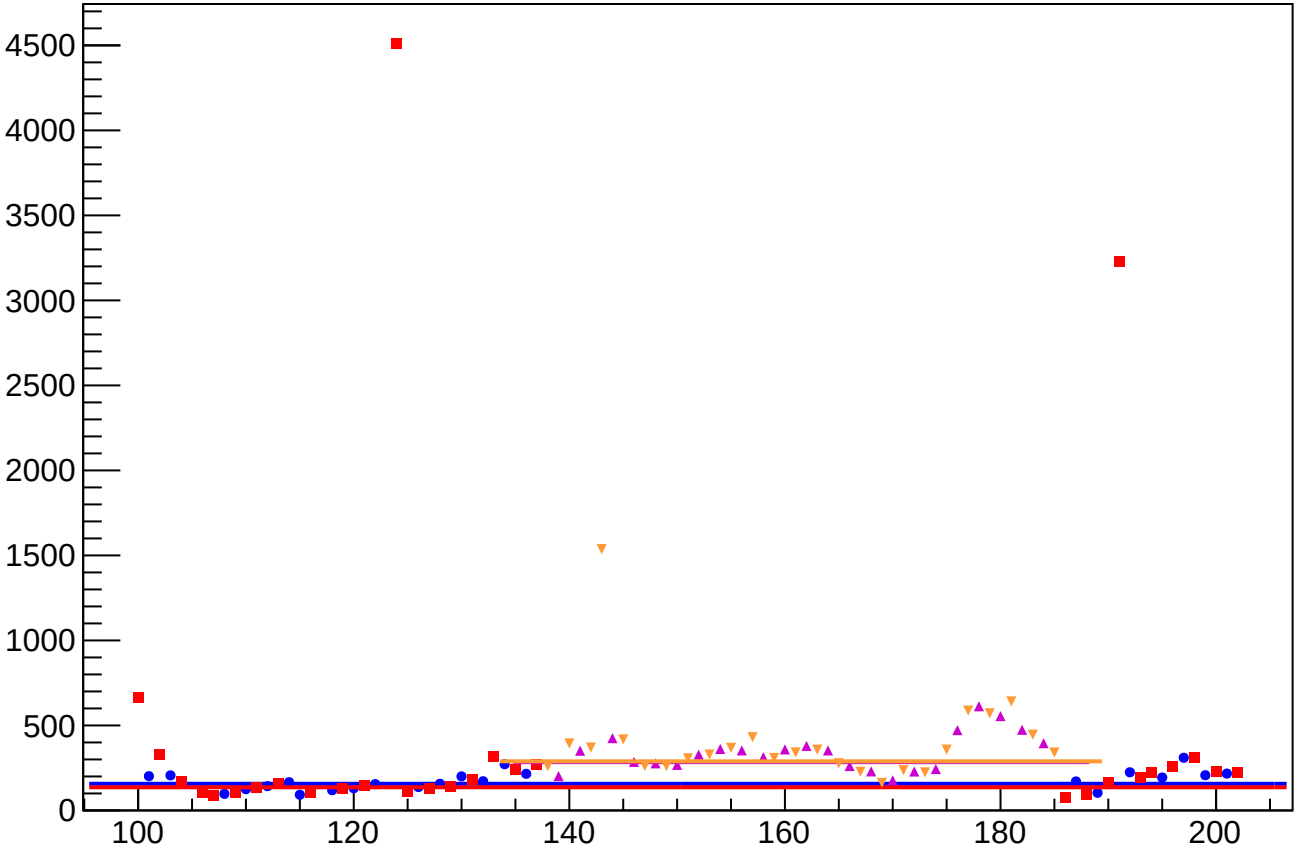
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

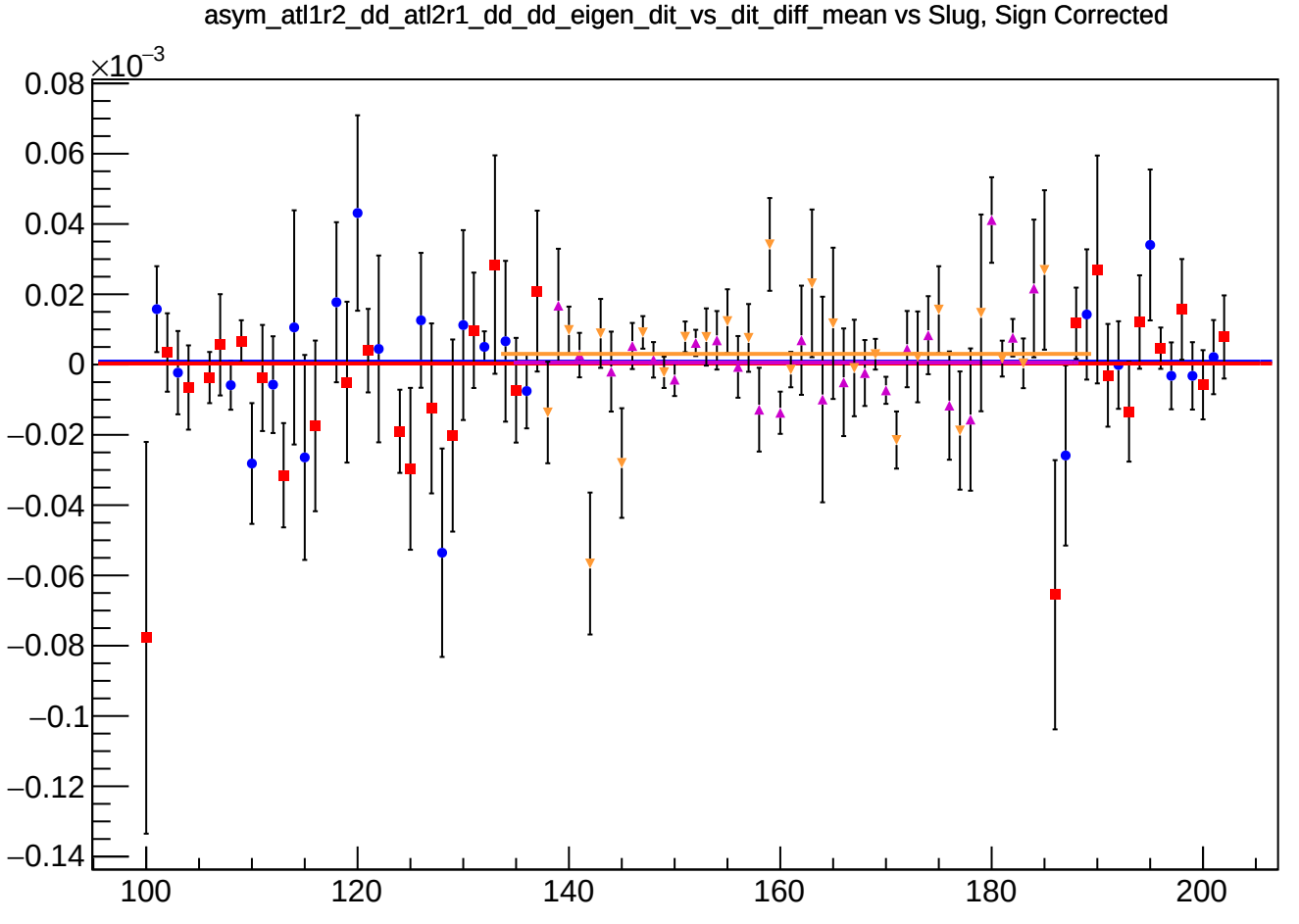
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 144.991+/-0.022 χ^2/NDF: 6866644.5/51

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

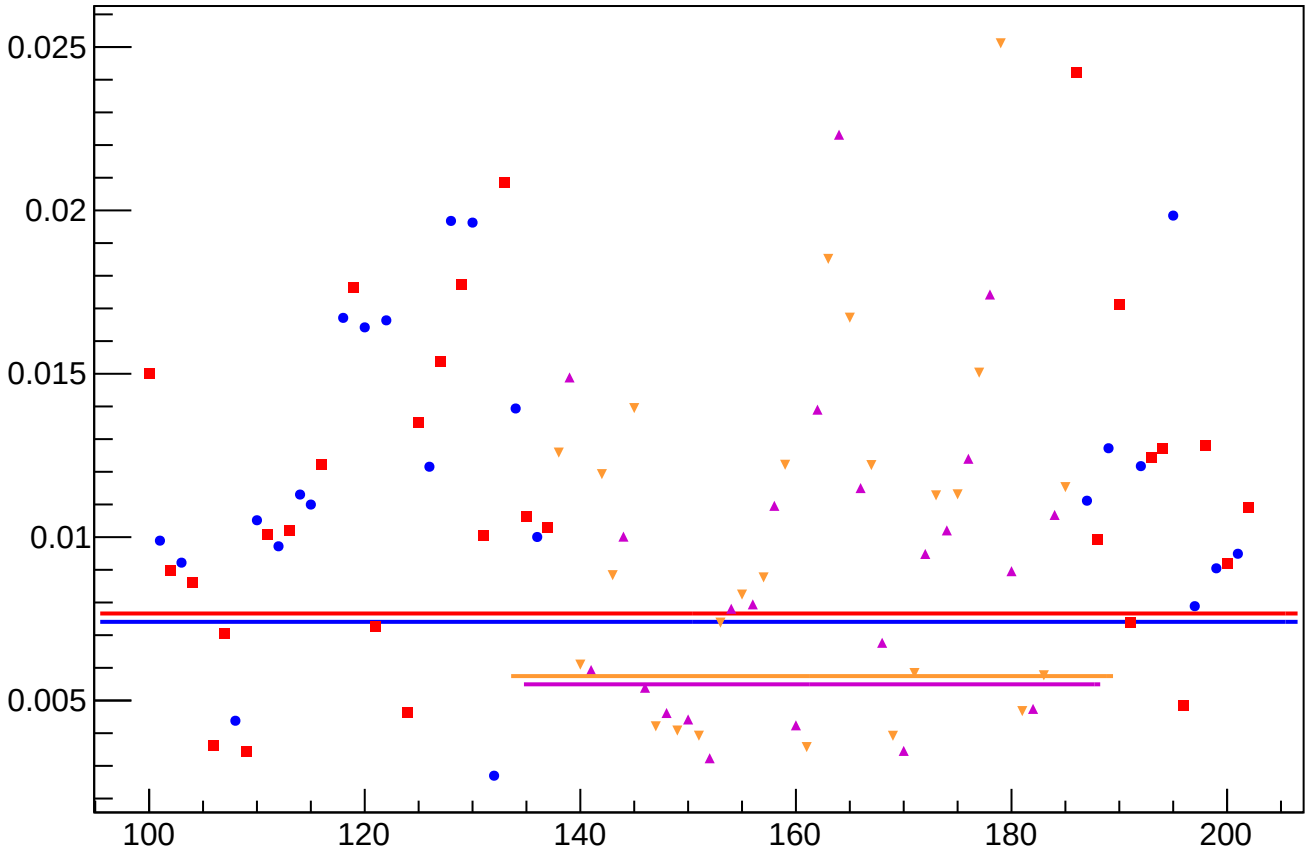
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 45.2/51

In: 0.000+/-0.000 χ^2/NDF:52.4/45

Out: 0.000+/-0.000 χ^2/NDF:69.1/53

All: 0.000+/-0.000 χ^2/NDF: 122.3/99



Right In: 0.007+/-0.000 χ^2/NDF: 6200078.3/22

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5592055.6/28

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

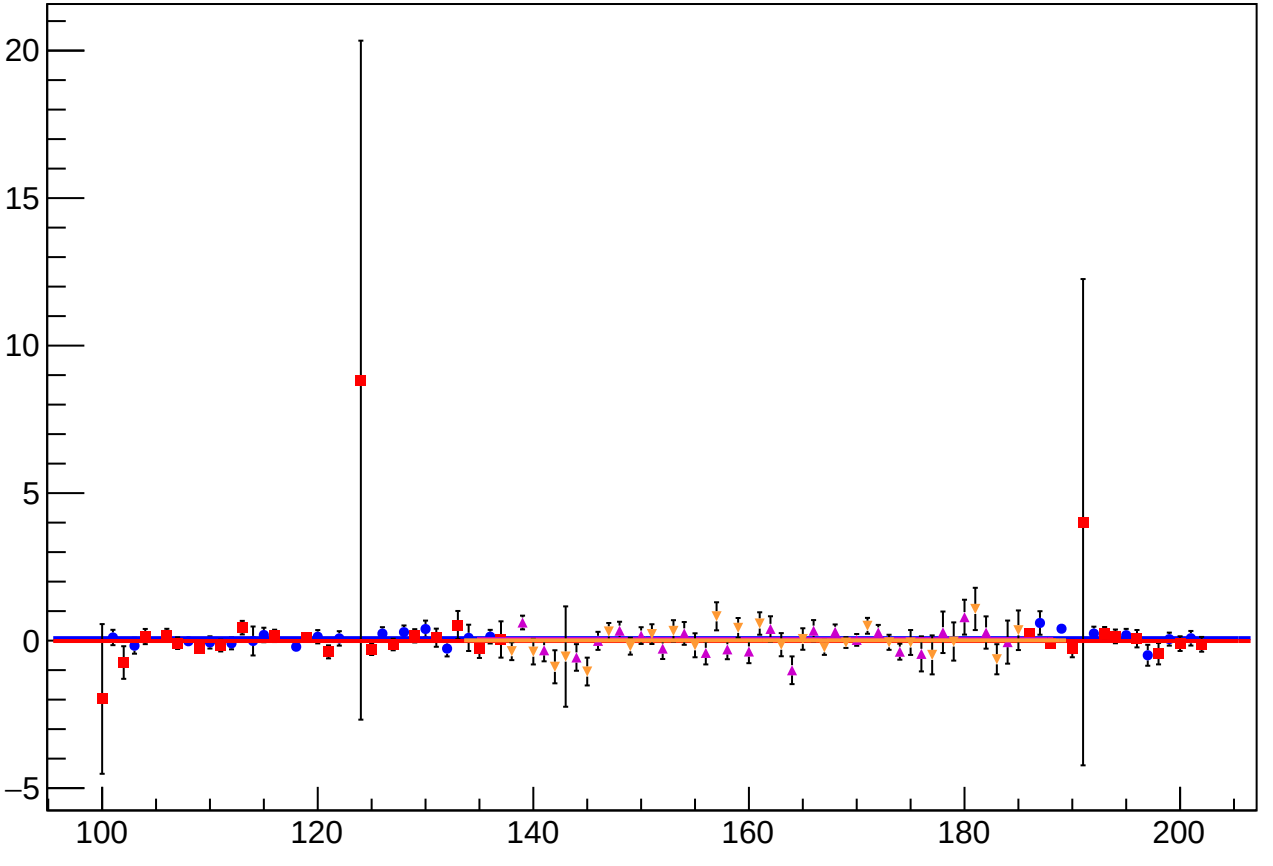
Right: 0.008+/-0.000 χ^2/NDF: 11803453.9/51

In: 0.006+/-0.000 χ^2/NDF:13995347.0/45

Out: 0.006+/-0.000 χ^2/NDF:14682246.1/53

All: 0.006+/-0.000 χ^2/NDF: 28738747.4/99

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

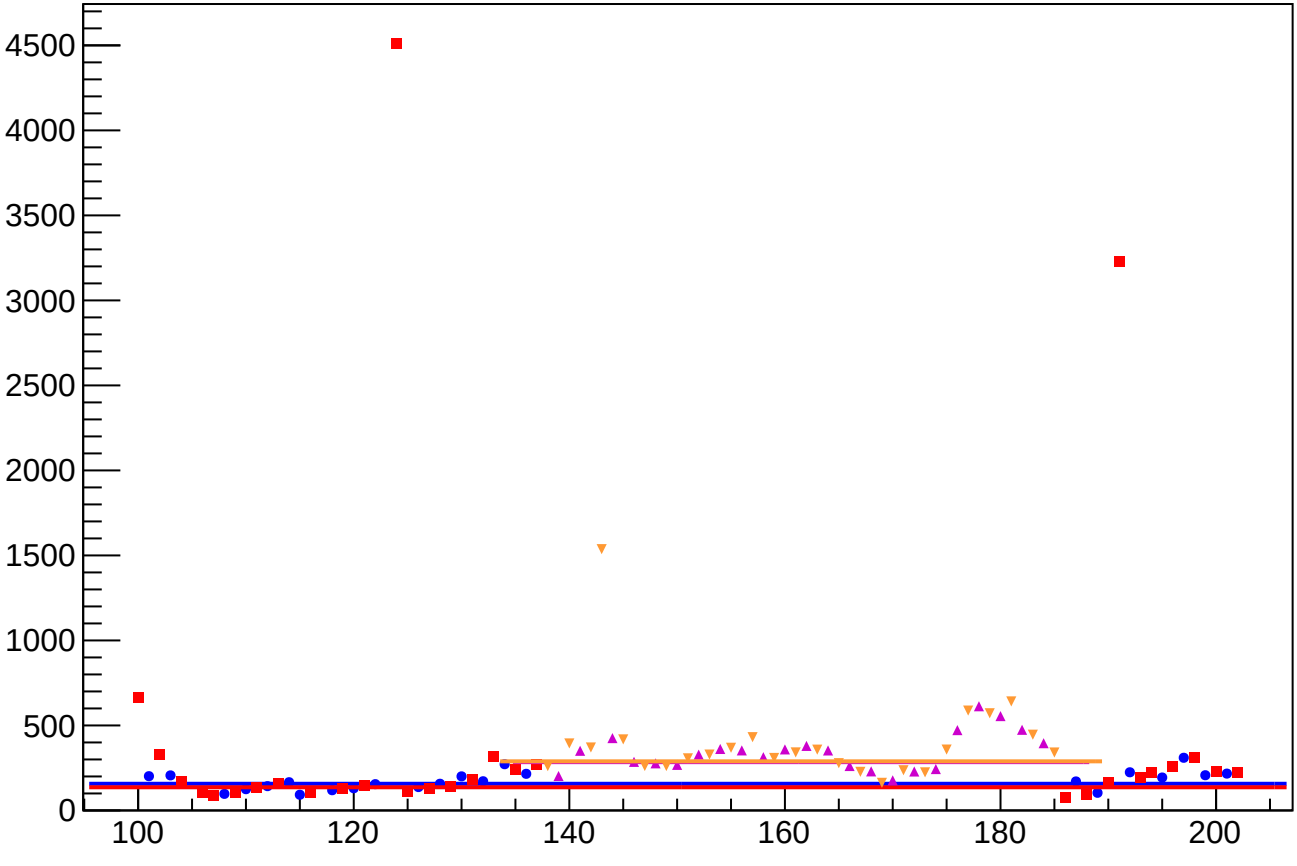
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

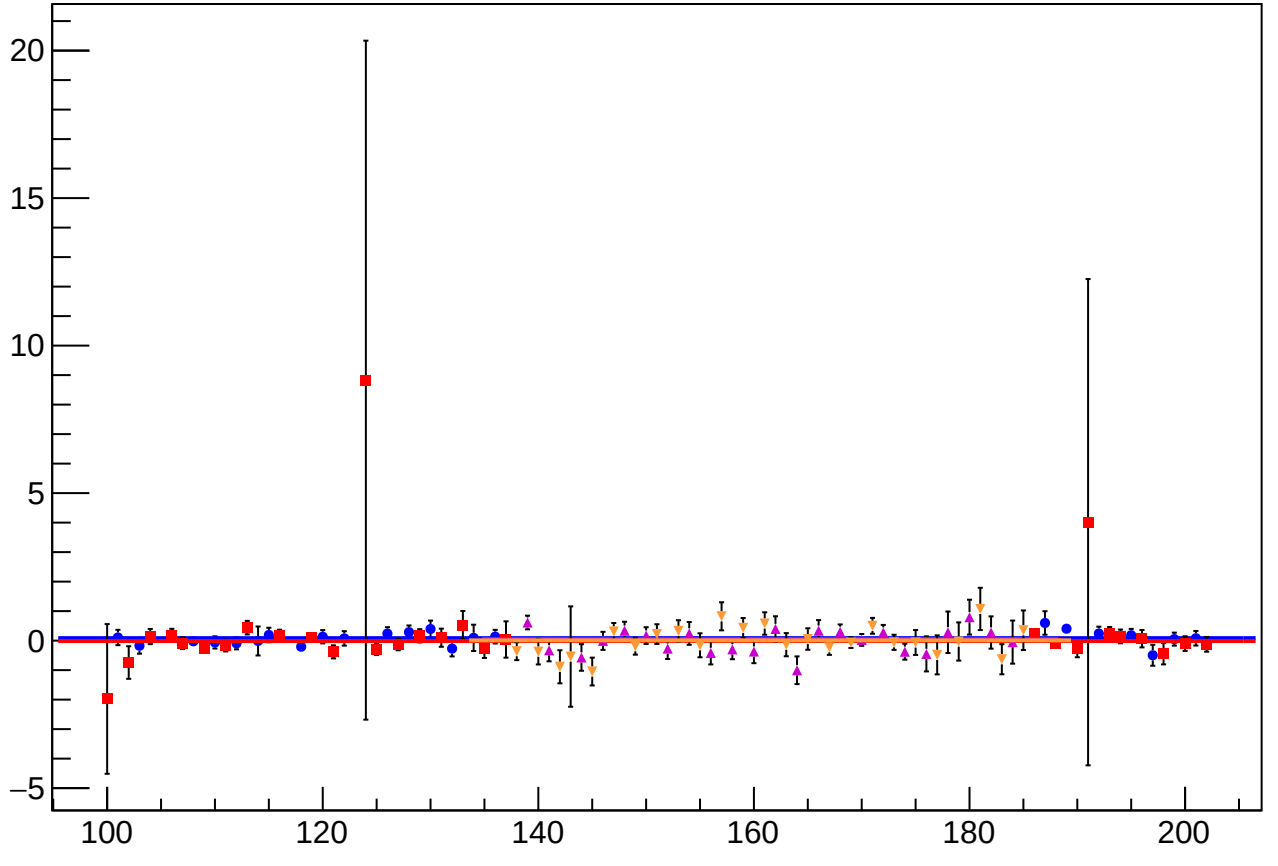
Right: 144.992+/-0.022 χ^2/NDF: 6866399.6/51

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

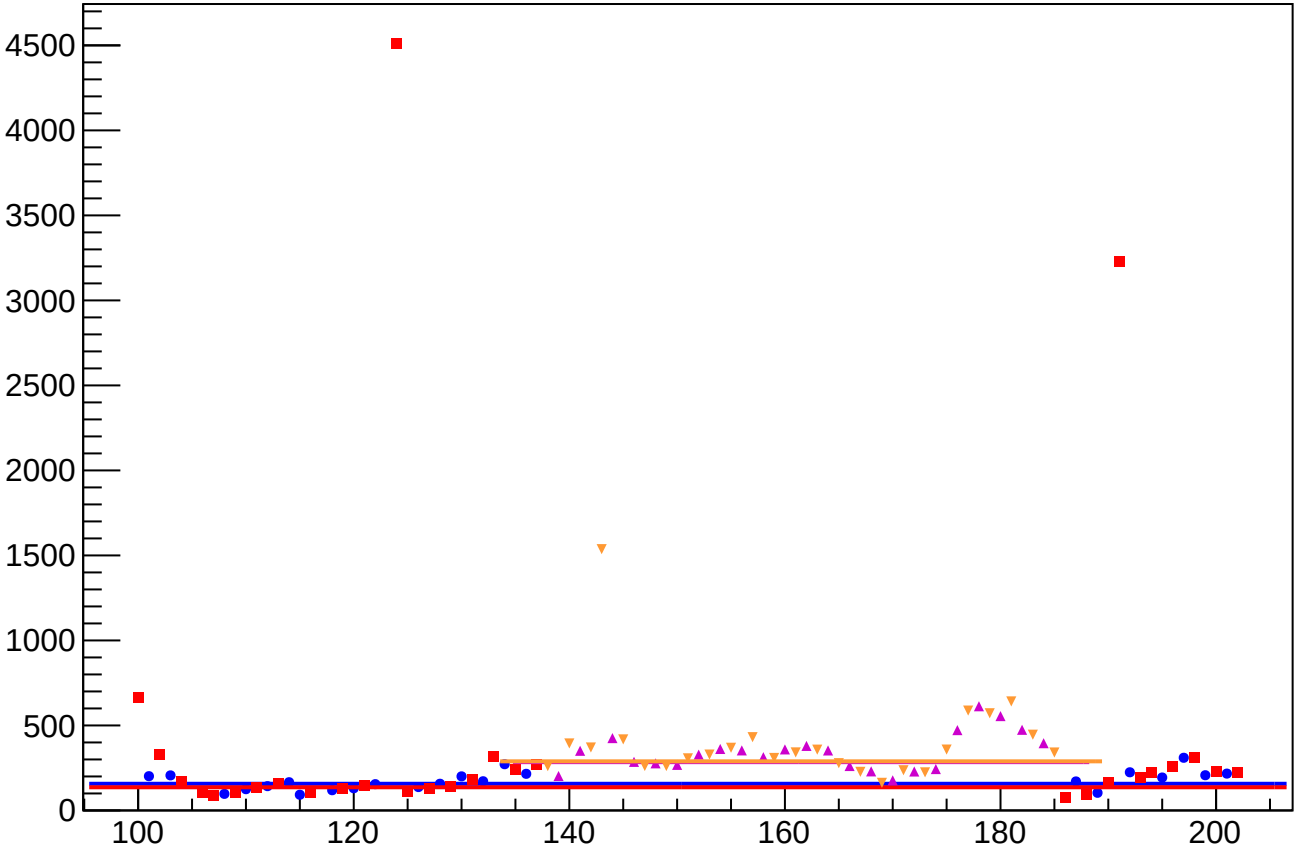
Right: 0.027+/-0.031 χ^2/NDF: 51.6/51

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.029+/-0.026 χ^2/NDF: 108.4/99

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

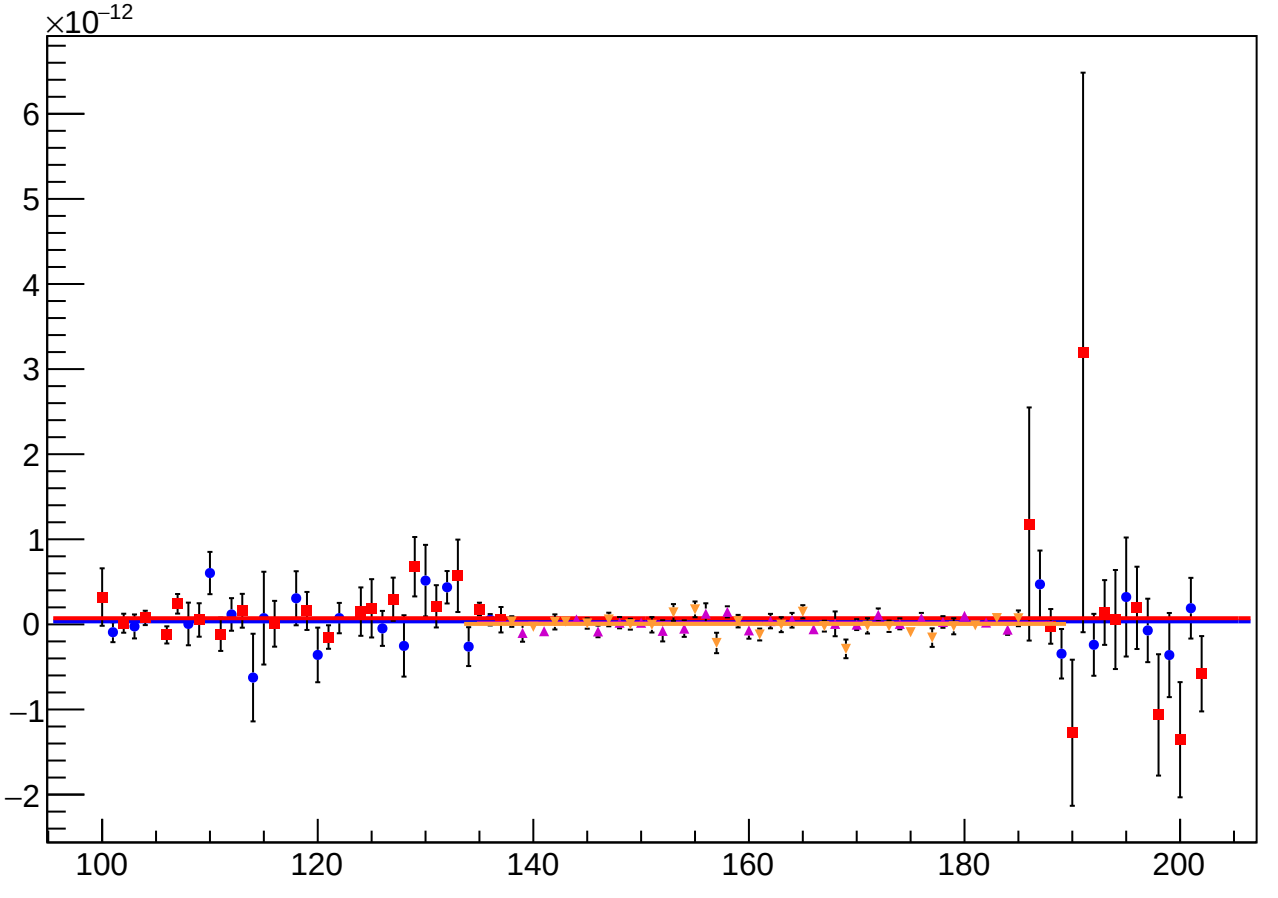
Right: 144.992+/-0.022 χ^2/NDF: 6866399.6/51

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99

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: 23.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/28

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

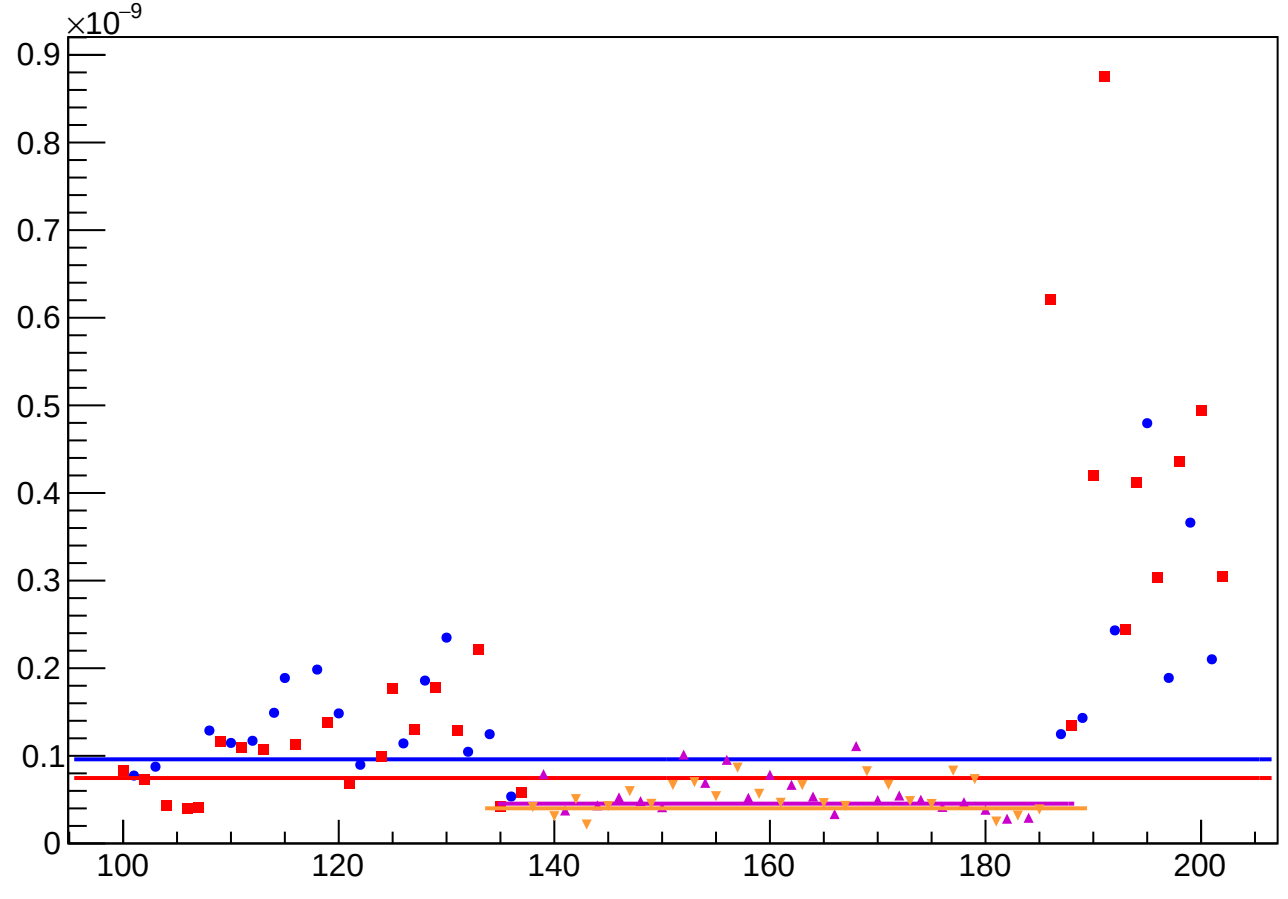
Right: 0.000+/-0.000 χ^2/NDF: 55.9/51

In: 0.000+/-0.000 χ^2/NDF:47.0/45

Out: 0.000+/-0.000 χ^2/NDF:69.5/53

All: 0.000+/-0.000 χ^2/NDF: 116.6/99

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: 3586986.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6578873.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

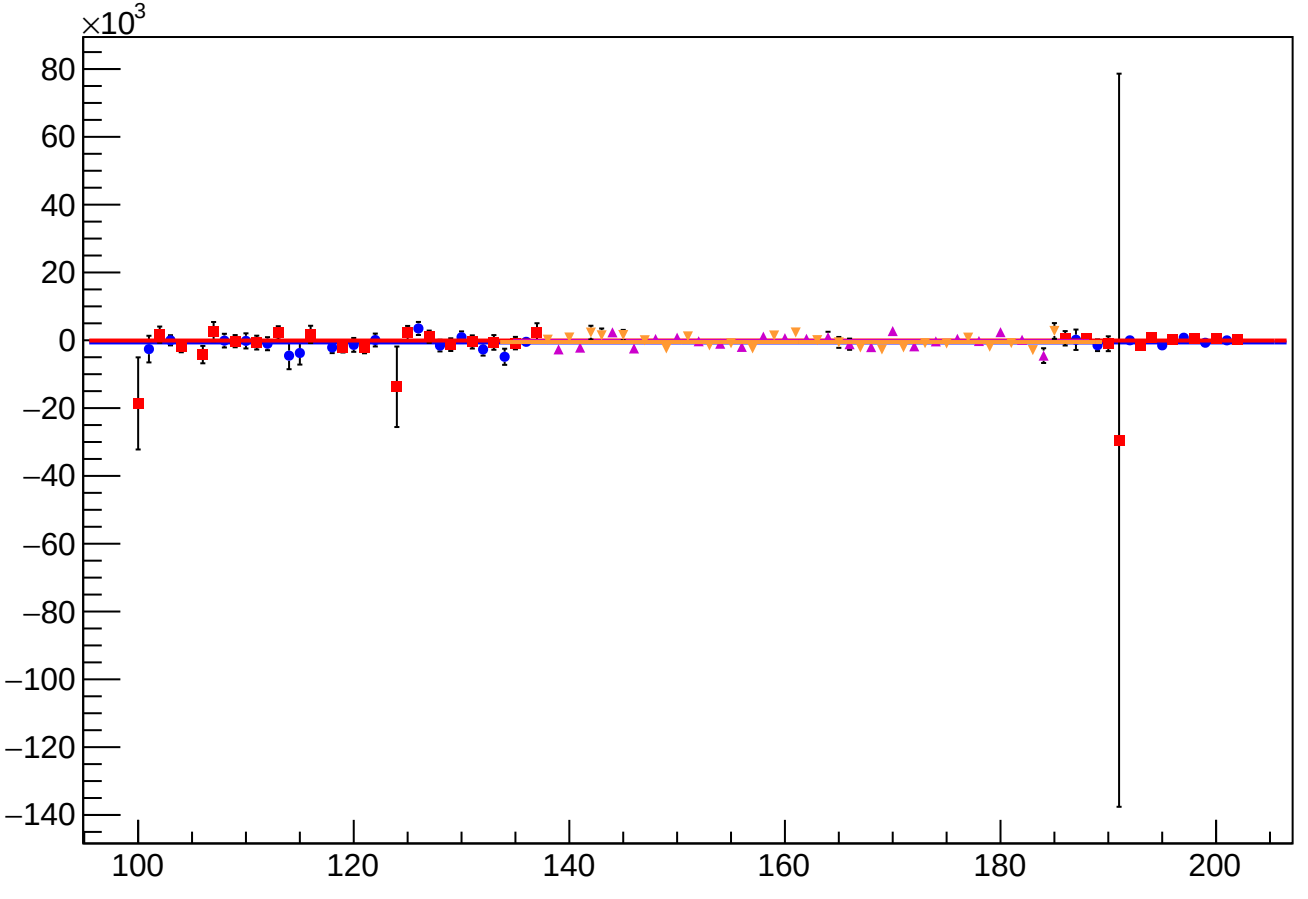
Right: 0.000+/-0.000 χ^2/NDF: 10492801.4/51

In: 0.000+/-0.000 χ^2/NDF:9108777.8/45

Out: 0.000+/-0.000 χ^2/NDF:12087690.0/53

All: 0.000+/-0.000 χ^2/NDF: 21453990.6/99

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -636.481+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -72.257+/-345.911 χ^2/NDF: 18.6/28

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

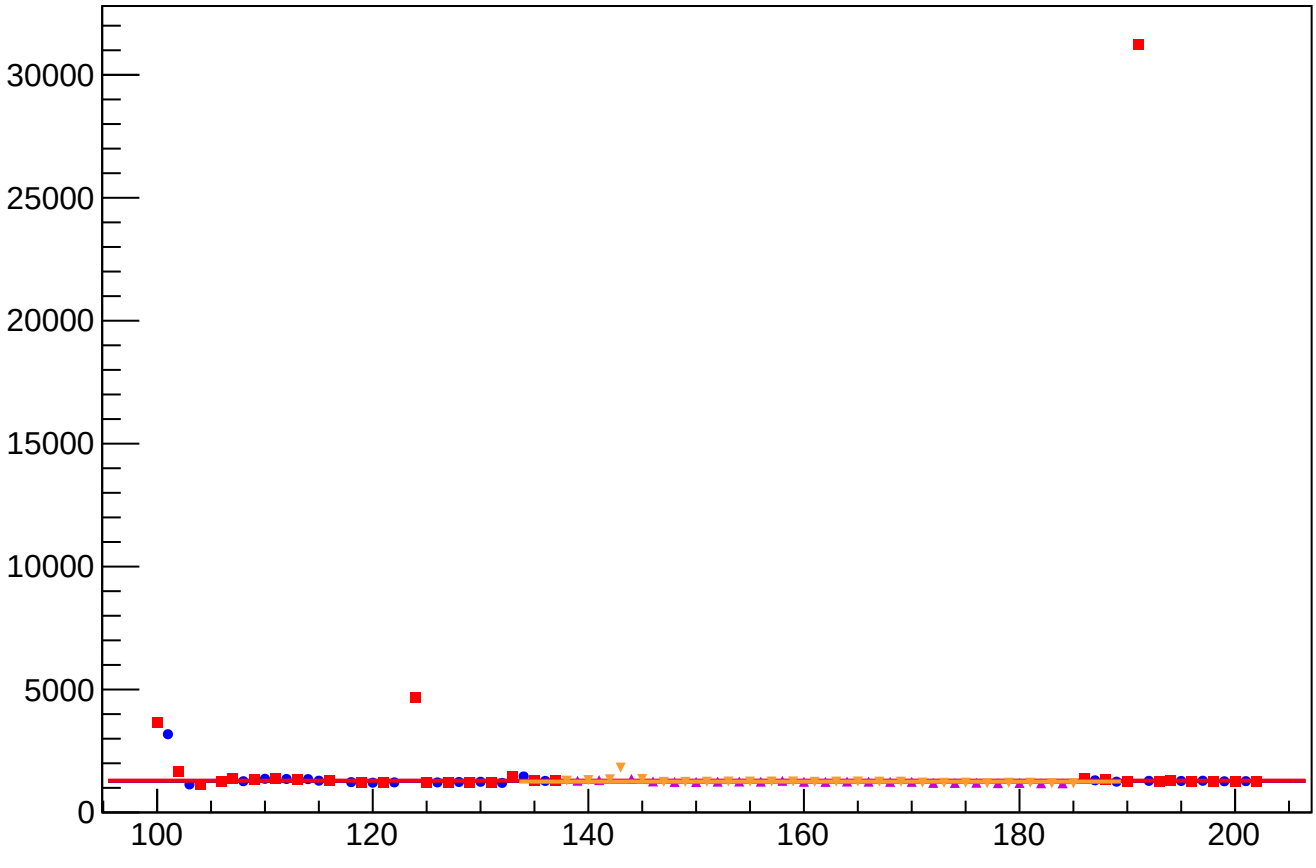
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -336.114+/-252.386 χ^2/NDF: 35.5/51

In: -393.757+/-228.592 χ^2/NDF:48.4/45

Out: -334.966+/-220.392 χ^2/NDF:50.5/53

All: -363.288+/-158.661 χ^2/NDF: 98.9/99



Right In: 1282.377+/-0.261 χ^2/NDF: 519381.9/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1292.268+/-0.245 χ^2/NDF: 491862.7/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

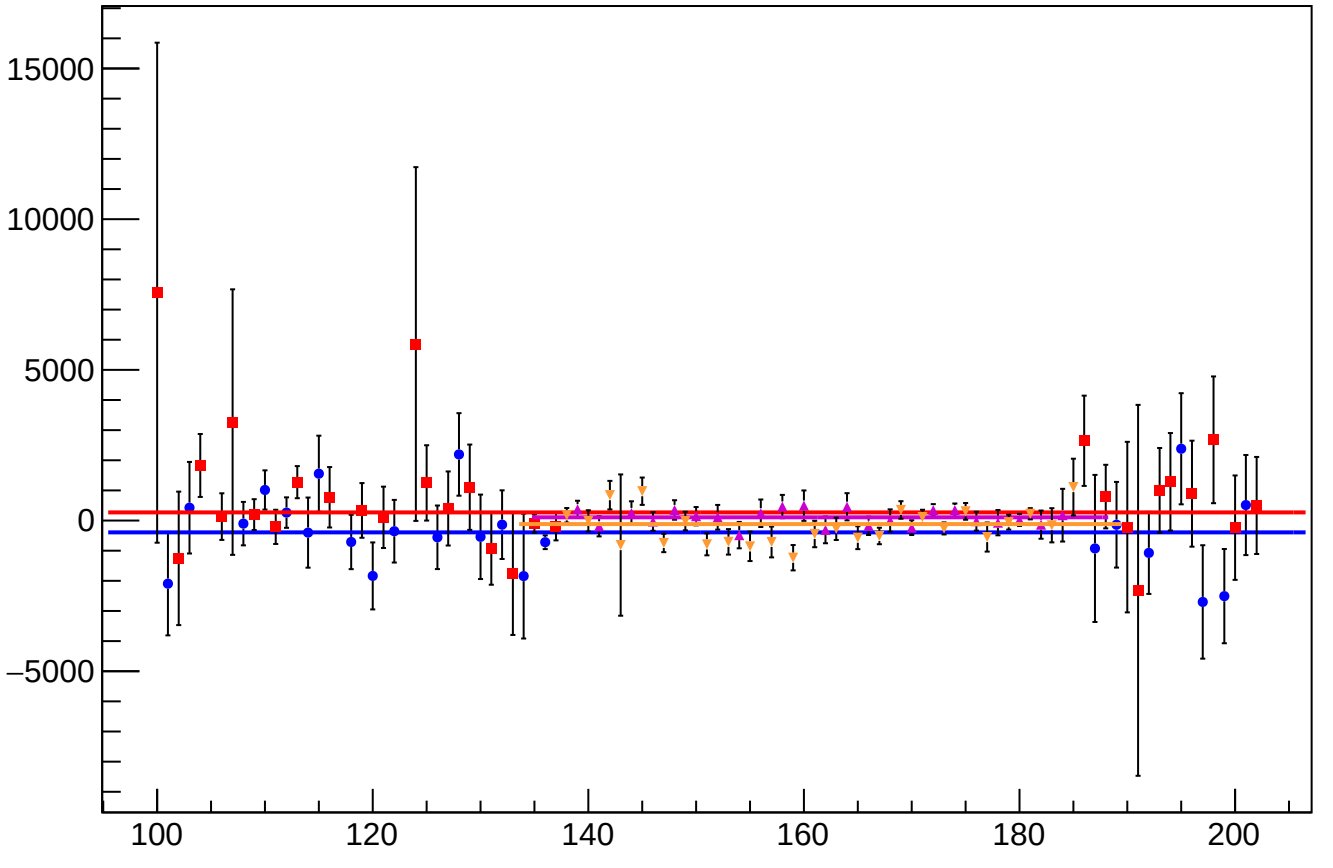
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1287.642+/-0.178 χ^2/NDF: 1012009.2/51

In: 1260.174+/-0.162 χ^2/NDF:570982.7/45

Out: 1270.434+/-0.156 χ^2/NDF:708400.0/53

All: 1265.491+/-0.112 χ^2/NDF: 1281470.8/99



Right In: -392.238+/-162.445 χ^2/NDF: 24.4/22

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 270.303+/-161.310 χ^2/NDF: 20.1/28

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

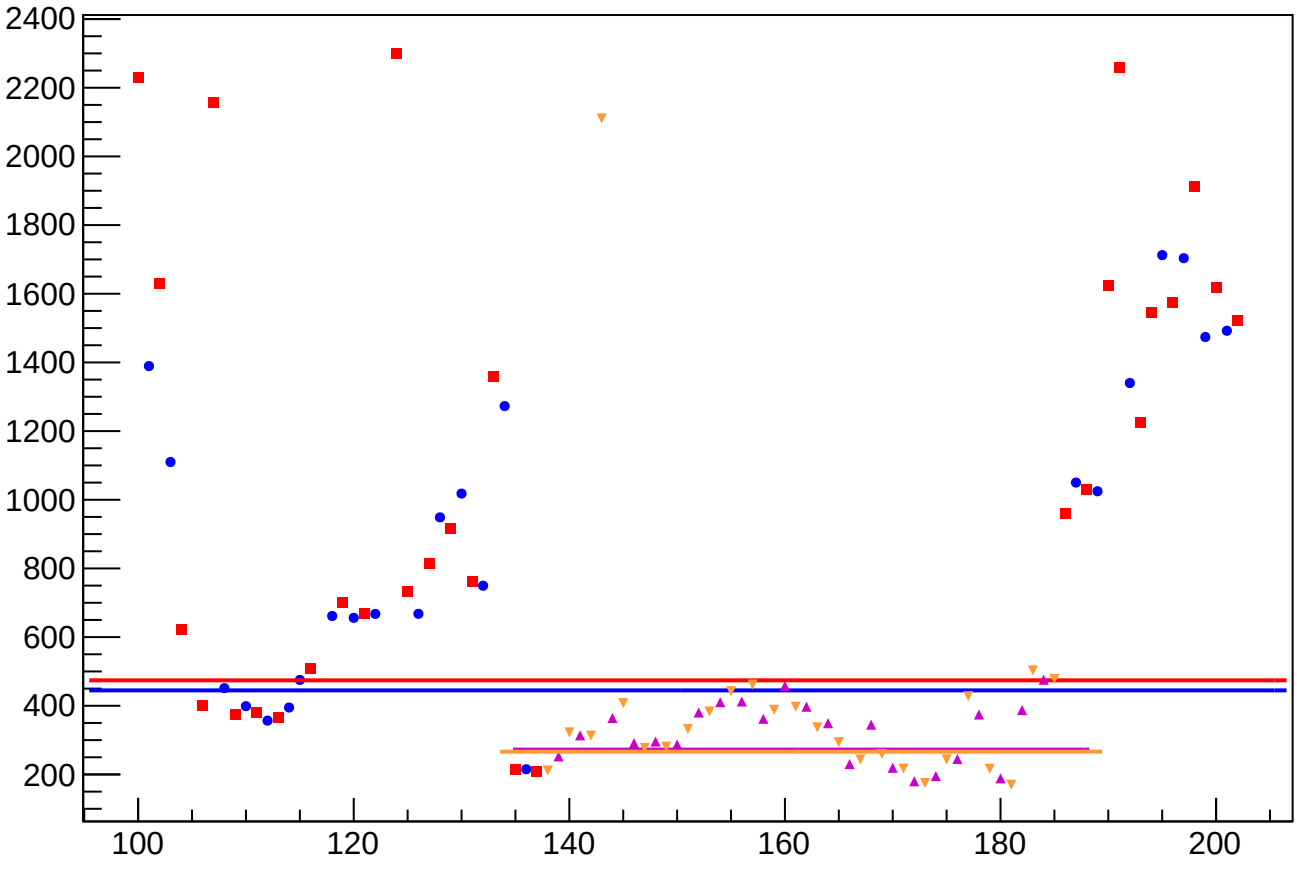
Right: -58.645+/-114.462 χ^2/NDF: 52.8/51

In: 34.710+/-61.939 χ^2/NDF:46.2/45

Out: -62.838+/-60.336 χ^2/NDF:73.5/53

All: -15.343+/-43.220 χ^2/NDF: 120.9/99

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 444.818+/-0.115 χ^2/NDF: 9339710.8/22

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 474.093+/-0.114 χ^2/NDF: 10784427.7/28

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

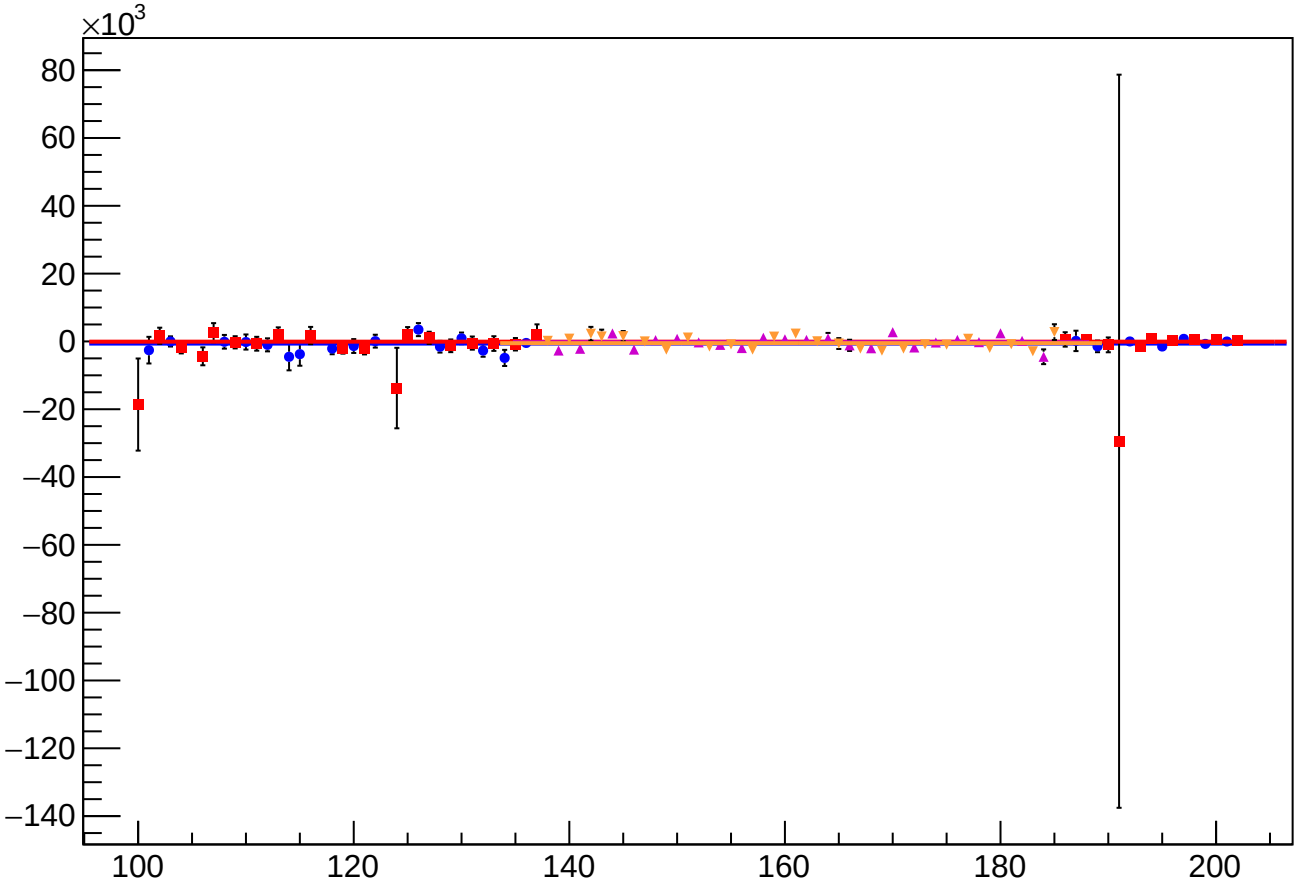
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 459.558+/-0.081 χ^2/NDF: 20156843.3/51

In: 297.440+/-0.044 χ^2/NDF:14153796.8/45

Out: 295.389+/-0.043 χ^2/NDF:18268382.7/53

All: 296.388+/-0.031 χ^2/NDF: 32423303.8/99



Right In: -636.294+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -70.608+/-346.100 χ^2/NDF: 18.7/28

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

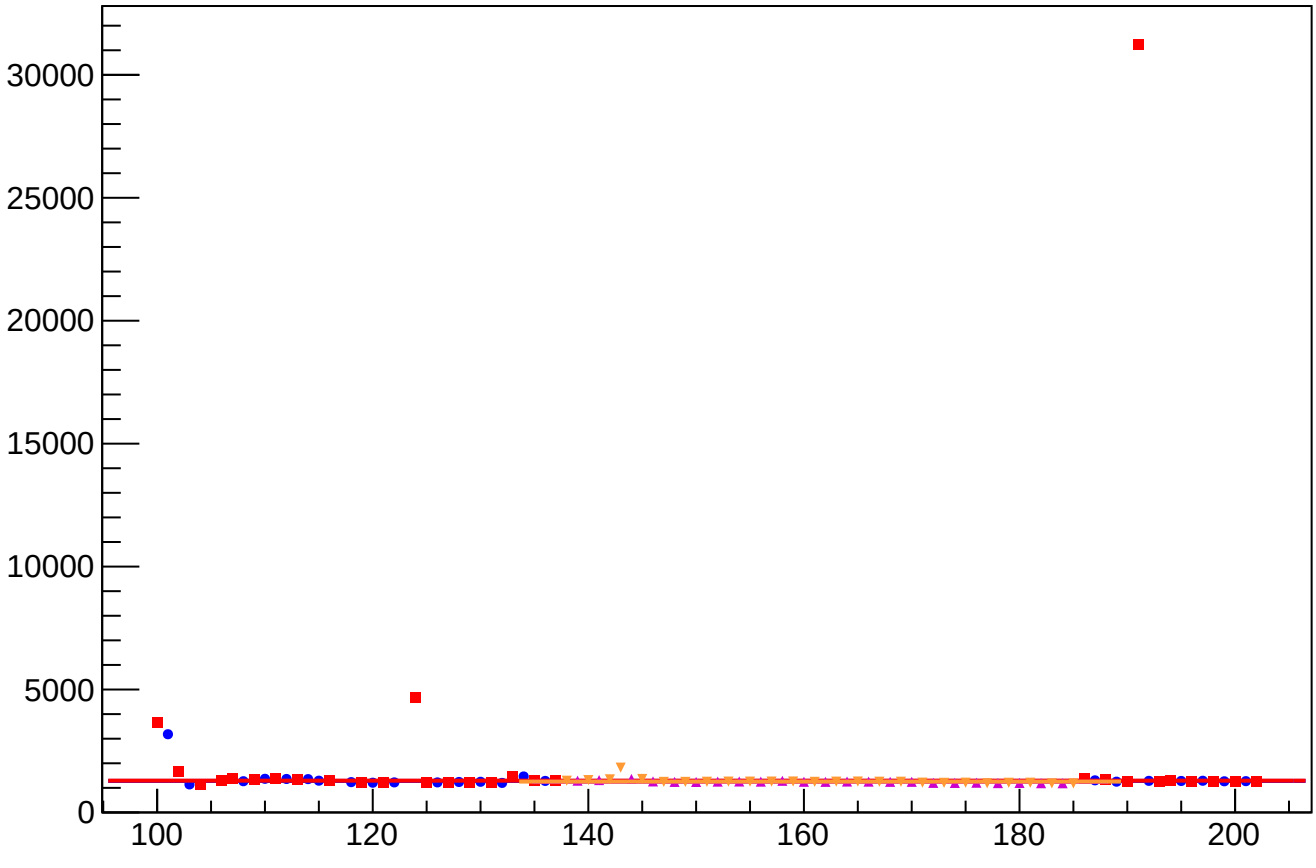
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -335.303+/-252.459 χ^2/NDF: 35.5/51

In: -393.671+/-228.592 χ^2/NDF:48.4/45

Out: -334.381+/-220.441 χ^2/NDF:50.6/53

All: -362.950+/-158.679 χ^2/NDF: 99.0/99



Right In: 1282.377+/-0.261 χ^2/NDF: 519383.3/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

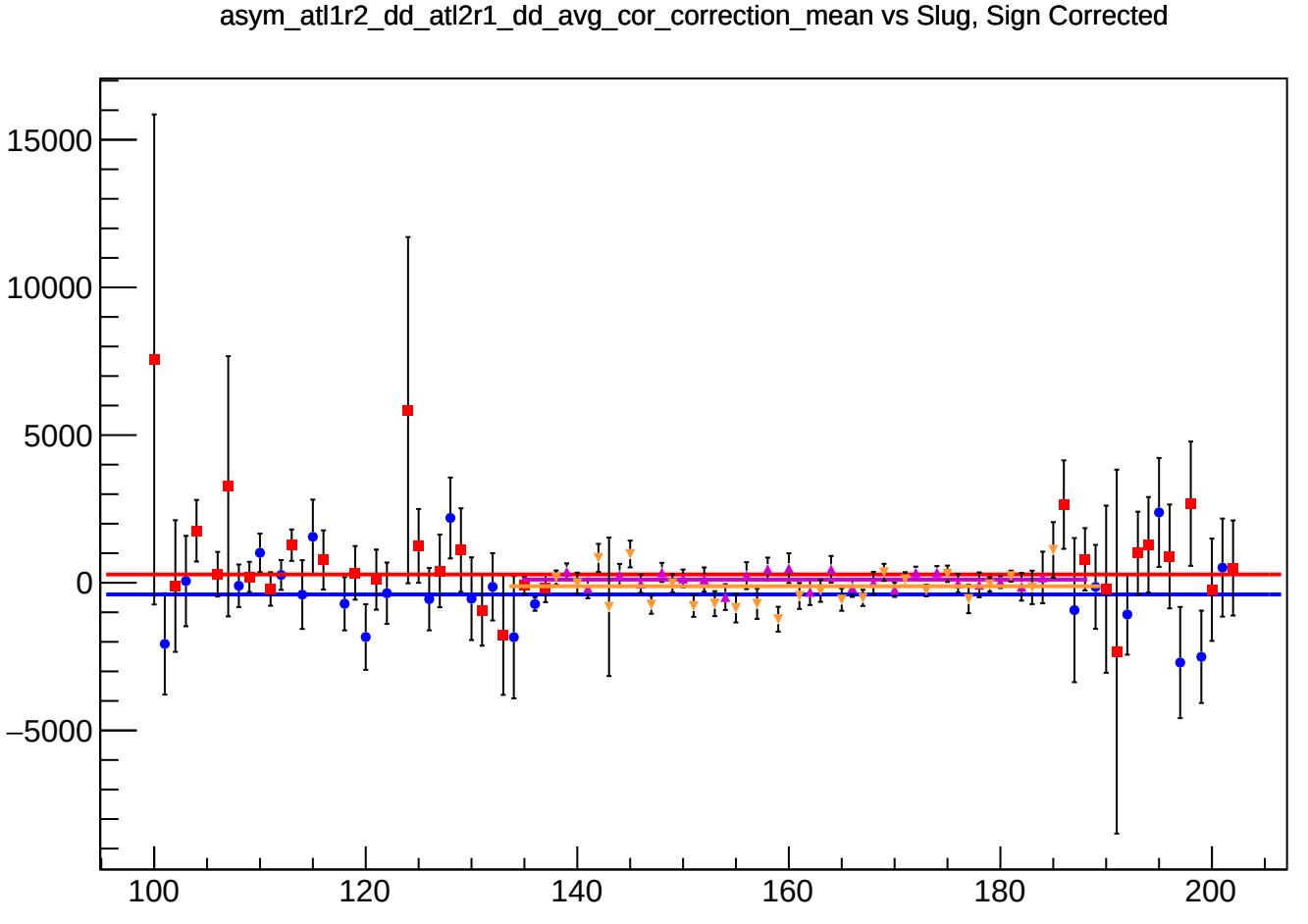
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1288.029+/-0.179 χ^2/NDF: 1011898.0/51

In: 1260.174+/-0.162 χ^2/NDF:570984.0/45

Out: 1270.721+/-0.156 χ^2/NDF:708700.3/53

All: 1265.639+/-0.112 χ^2/NDF: 1281890.3/99



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

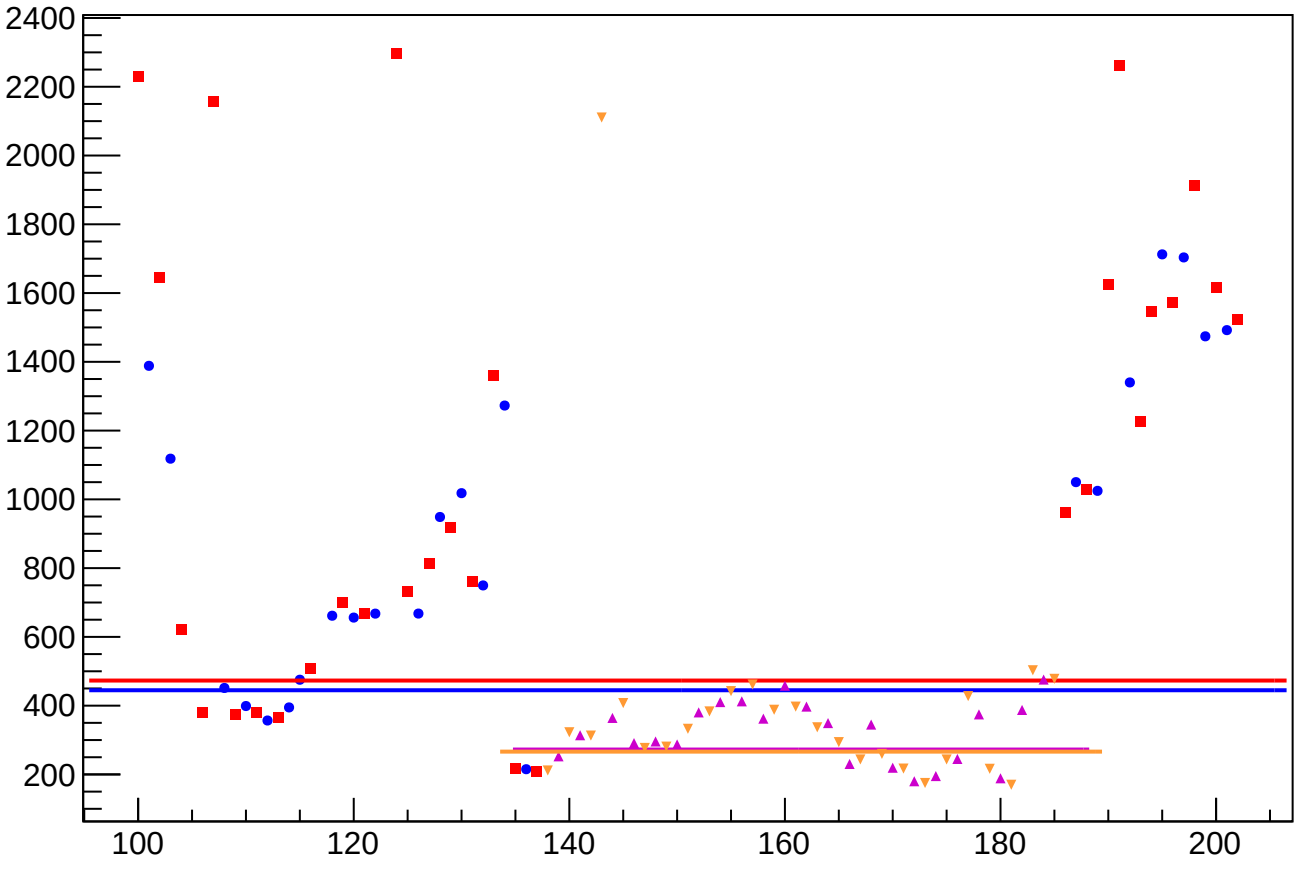
Right: -54.384+/-114.408 χ^2/NDF: 52.3/51

In: 34.216+/-61.942 χ^2/NDF:46.1/45

Out: -61.064+/-60.329 χ^2/NDF:73.1/53

All: -14.681+/-43.218 χ^2/NDF: 120.4/99

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

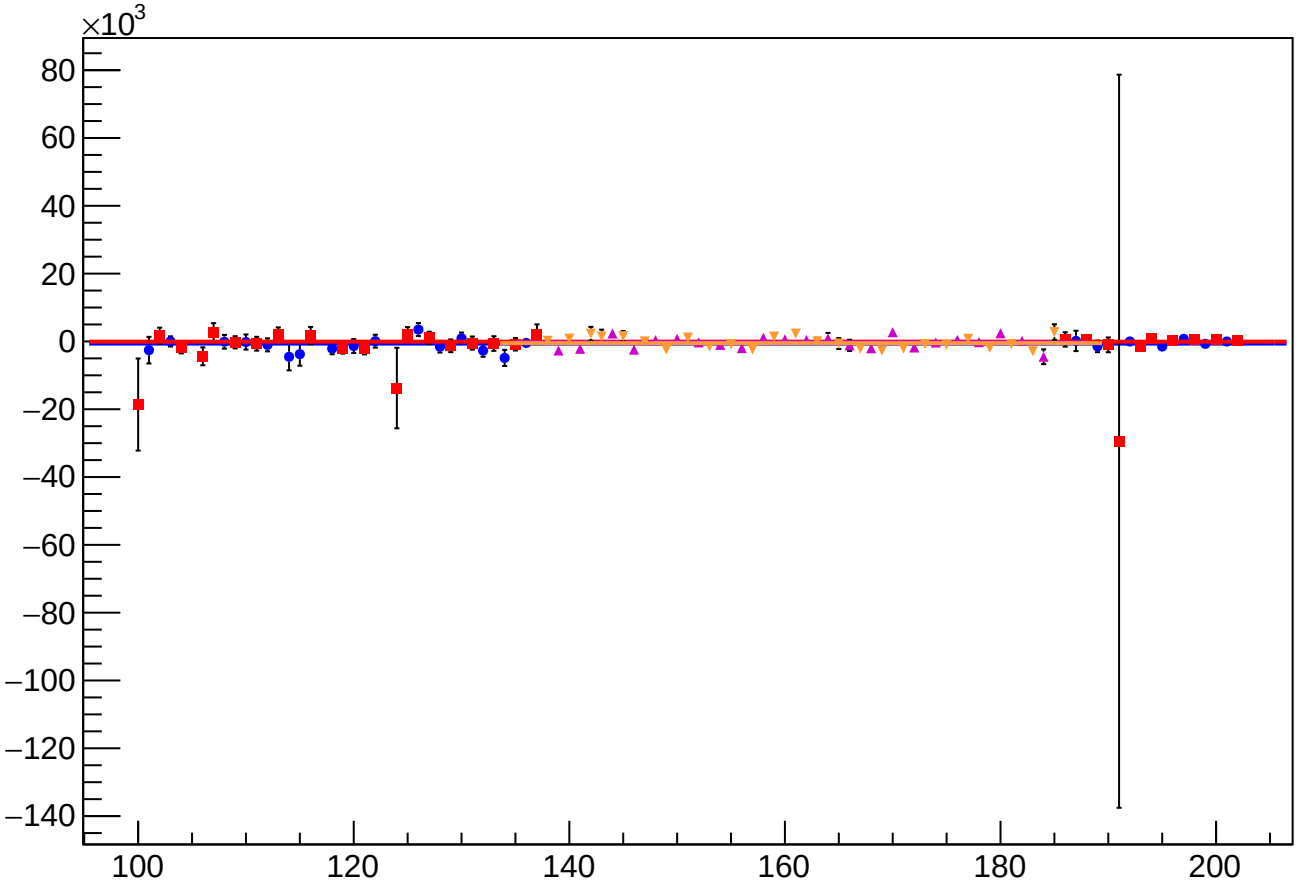
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 459.053+/-0.081 χ^2/NDF: 20176556.6/51

In: 297.445+/-0.044 χ^2/NDF:14156281.5/45

Out: 295.302+/-0.043 χ^2/NDF:18263668.5/53

All: 296.345+/-0.031 χ^2/NDF: 32421178.8/99



Right In: -636.294+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -70.608+/-346.100 χ^2/NDF: 18.7/28

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

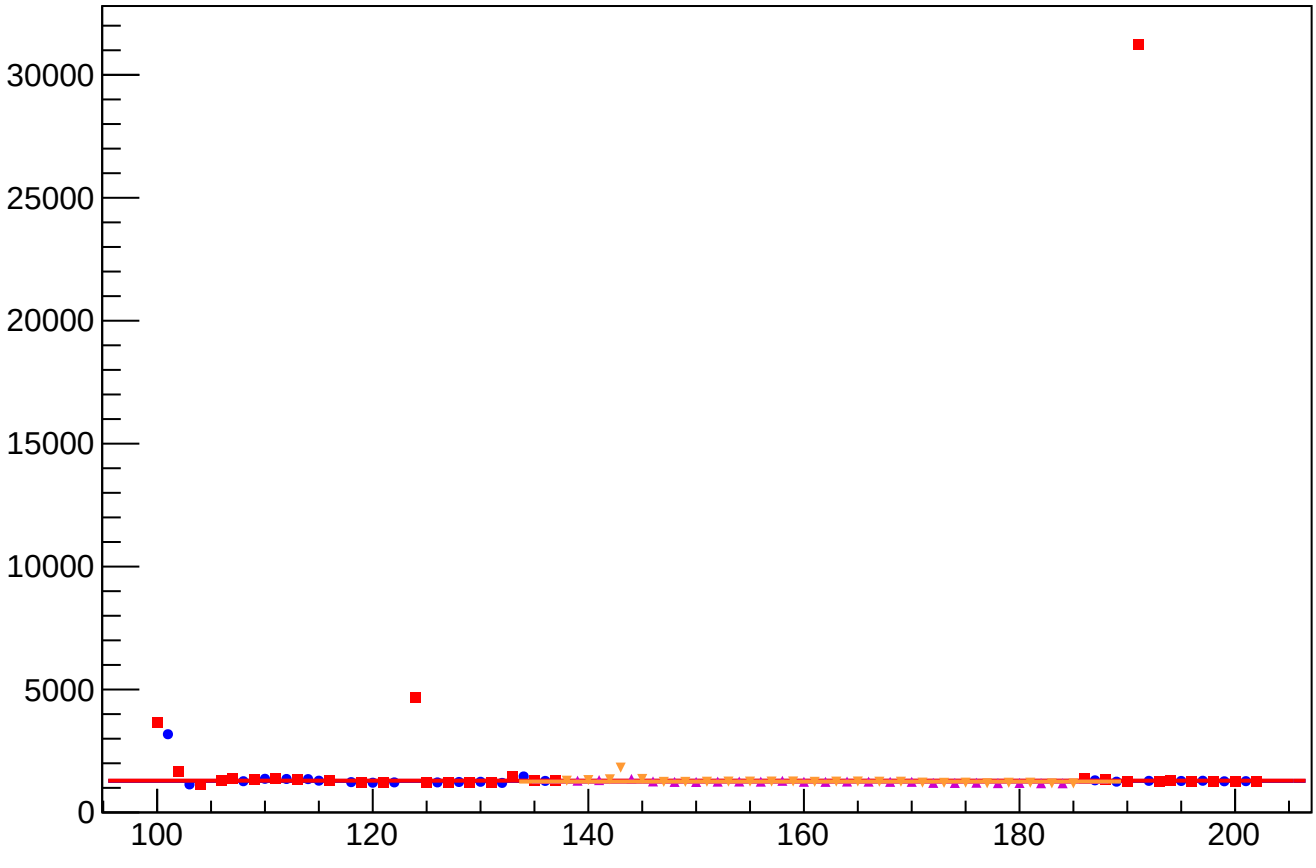
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -335.303+/-252.459 χ^2/NDF: 35.5/51

In: -393.671+/-228.592 χ^2/NDF:48.4/45

Out: -334.381+/-220.441 χ^2/NDF:50.6/53

All: -362.950+/-158.679 χ^2/NDF: 99.0/99



Right In: 1282.377+/-0.261 χ^2/NDF: 519383.3/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

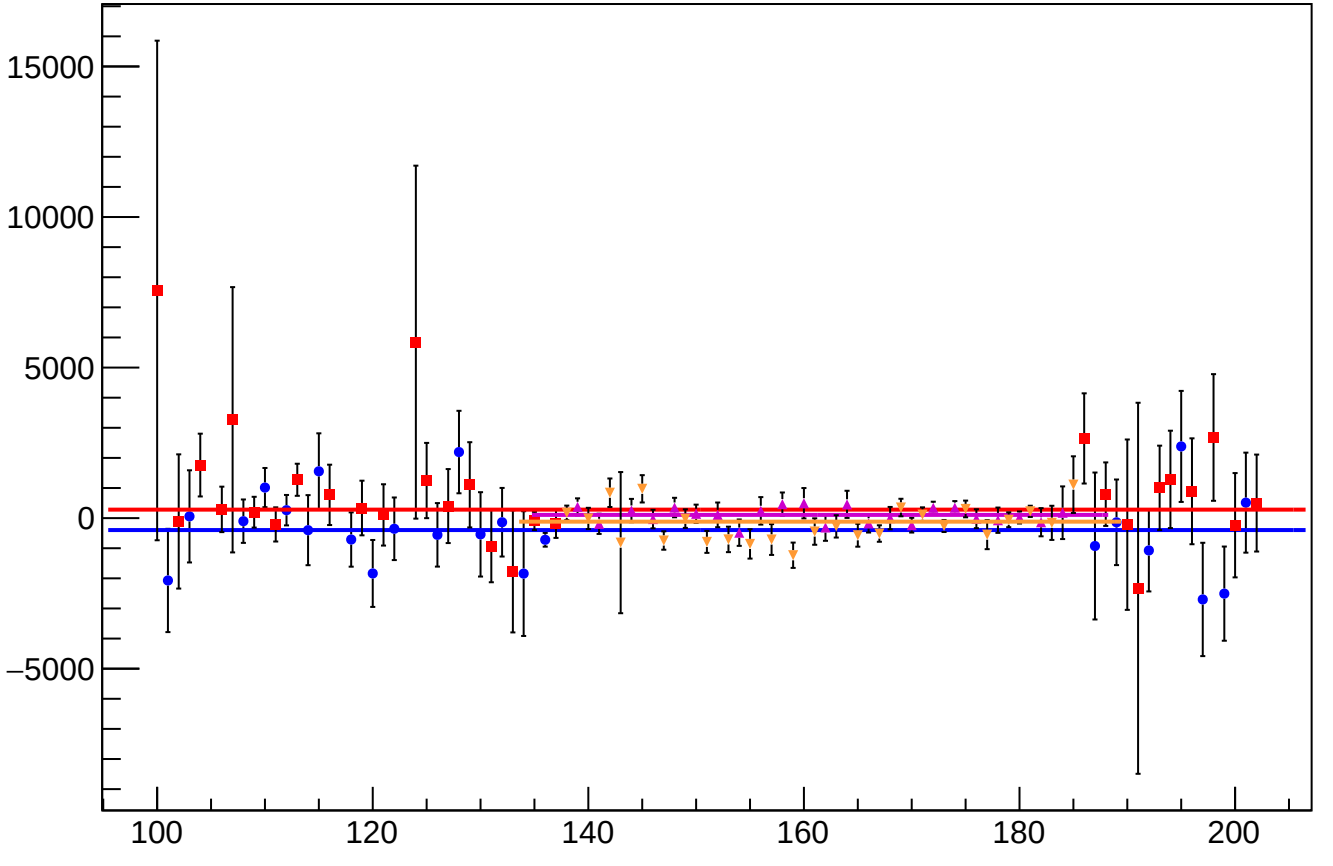
Right: 1288.029+/-0.179 χ^2/NDF: 1011898.0/51

In: 1260.174+/-0.162 χ^2/NDF:570984.0/45

Out: 1270.721+/-0.156 χ^2/NDF:708700.3/53

All: 1265.639+/-0.112 χ^2/NDF: 1281890.3/99

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

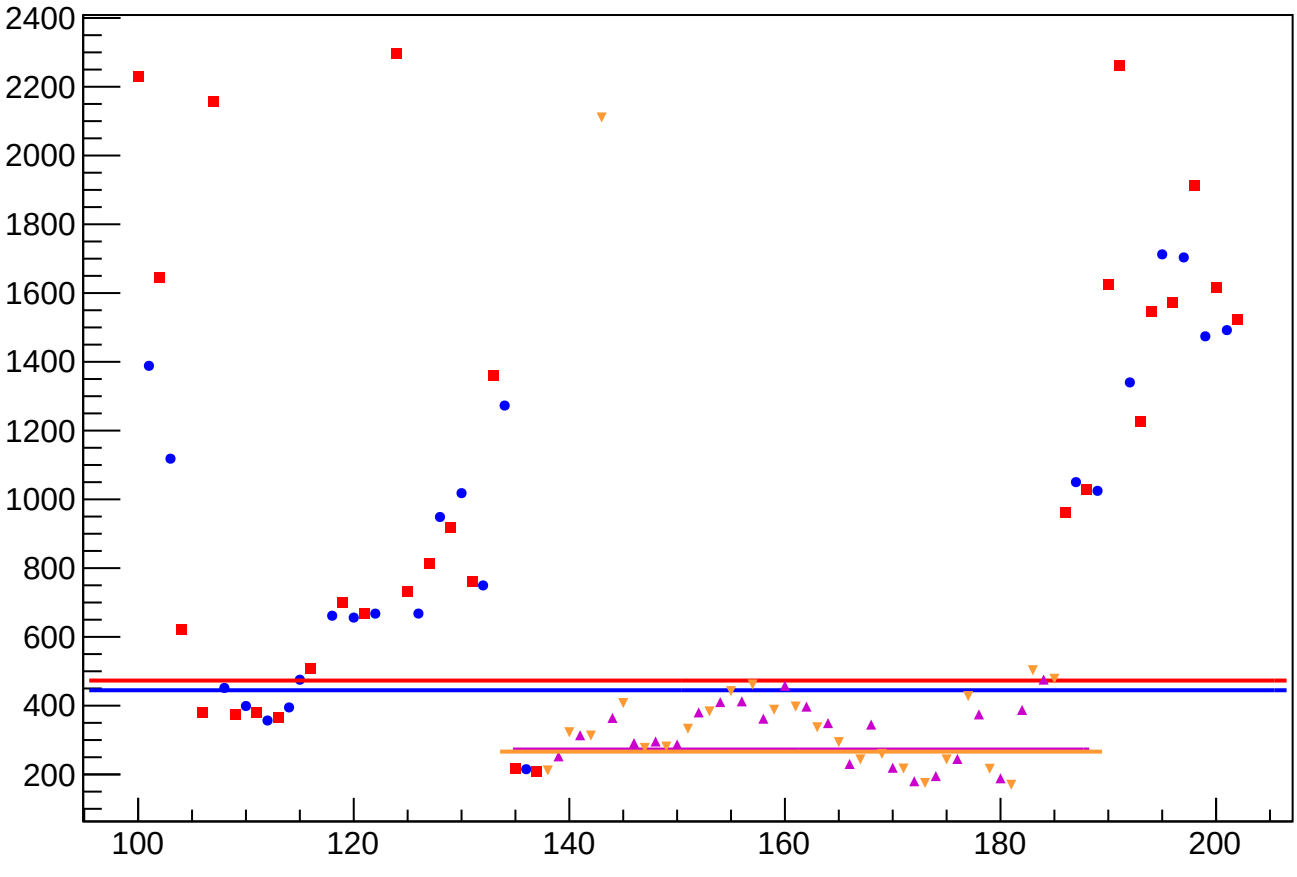
Right: -54.384+/-114.408 χ^2/NDF: 52.3/51

In: 34.216+/-61.942 χ^2/NDF:46.1/45

Out: -61.064+/-60.329 χ^2/NDF:73.1/53

All: -14.681+/-43.218 χ^2/NDF: 120.4/99

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

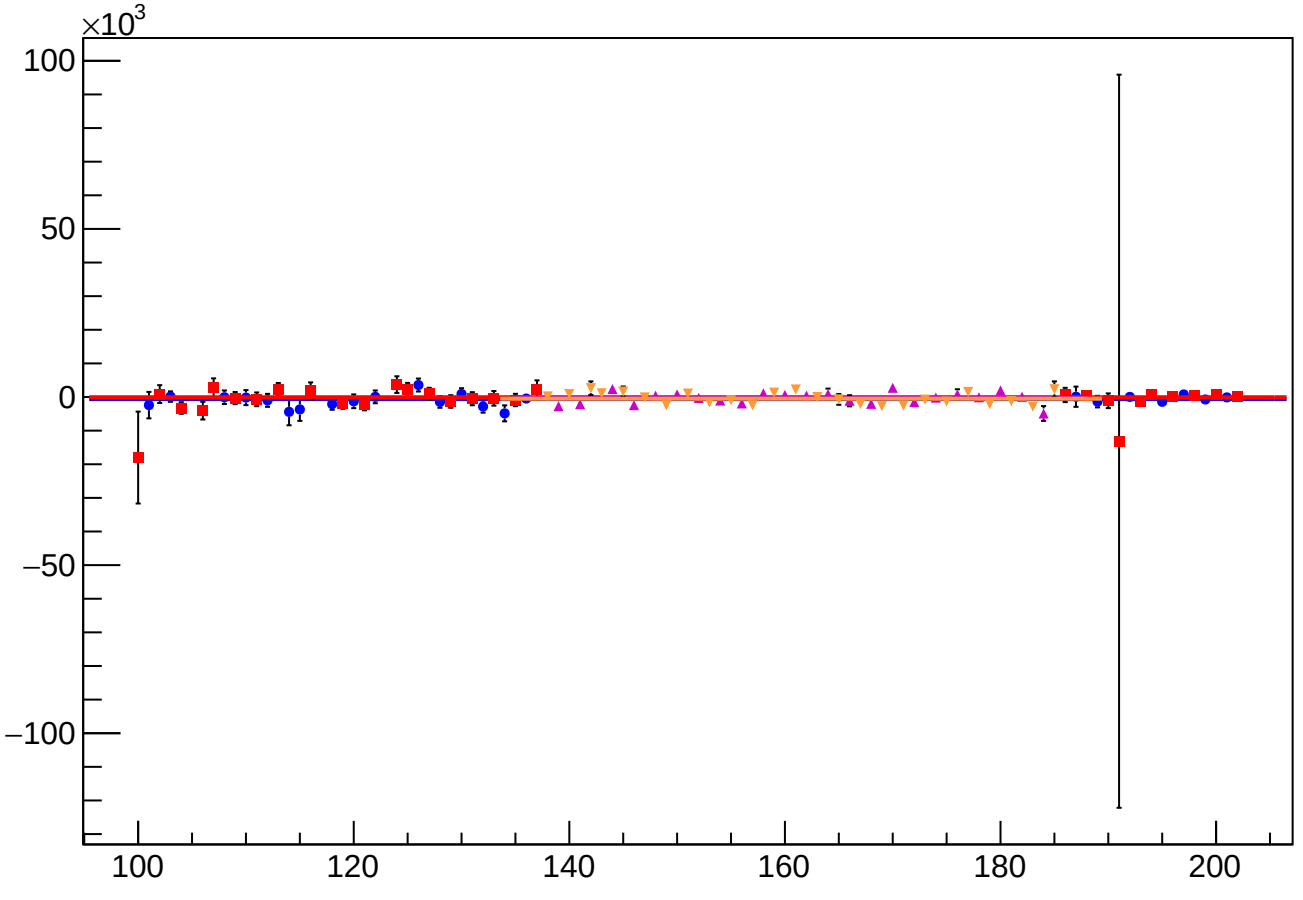
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 459.053+/-0.081 χ^2/NDF: 20176556.6/51

In: 297.445+/-0.044 χ^2/NDF:14156281.5/45

Out: 295.302+/-0.043 χ^2/NDF:18263668.5/53

All: 296.345+/-0.031 χ^2/NDF: 32421178.8/99



Right In: -613.687+/-370.396 χ^2/NDF: 15.6/22

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.717+/-345.093 χ^2/NDF: 20.4/28

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

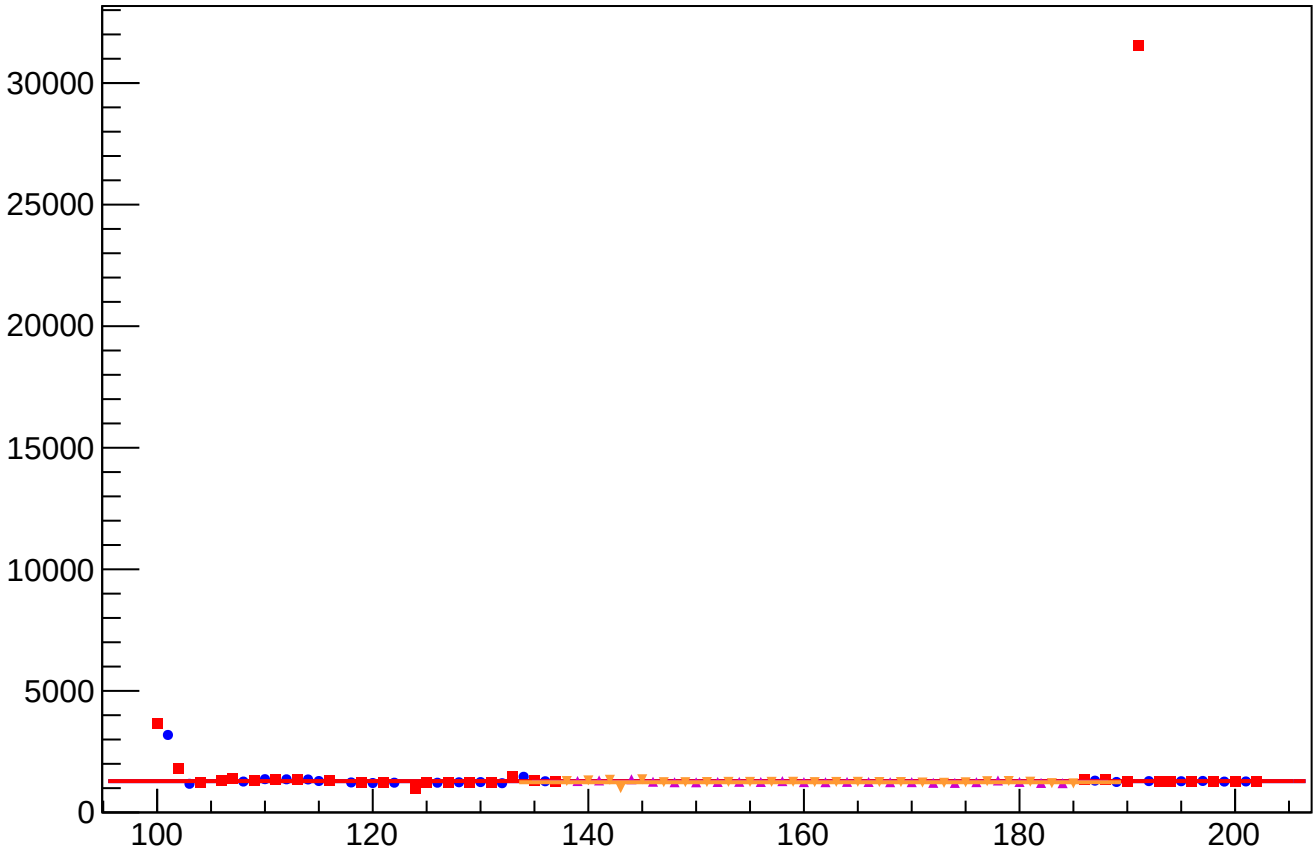
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -319.276+/-252.489 χ^2/NDF: 37.3/51

In: -385.868+/-230.439 χ^2/NDF:46.9/45

Out: -320.841+/-218.704 χ^2/NDF:55.6/53

All: -351.657+/-158.634 χ^2/NDF: 102.6/99



Right In: 1287.141+/-0.262 χ^2/NDF: 510998.8/22

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.1/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

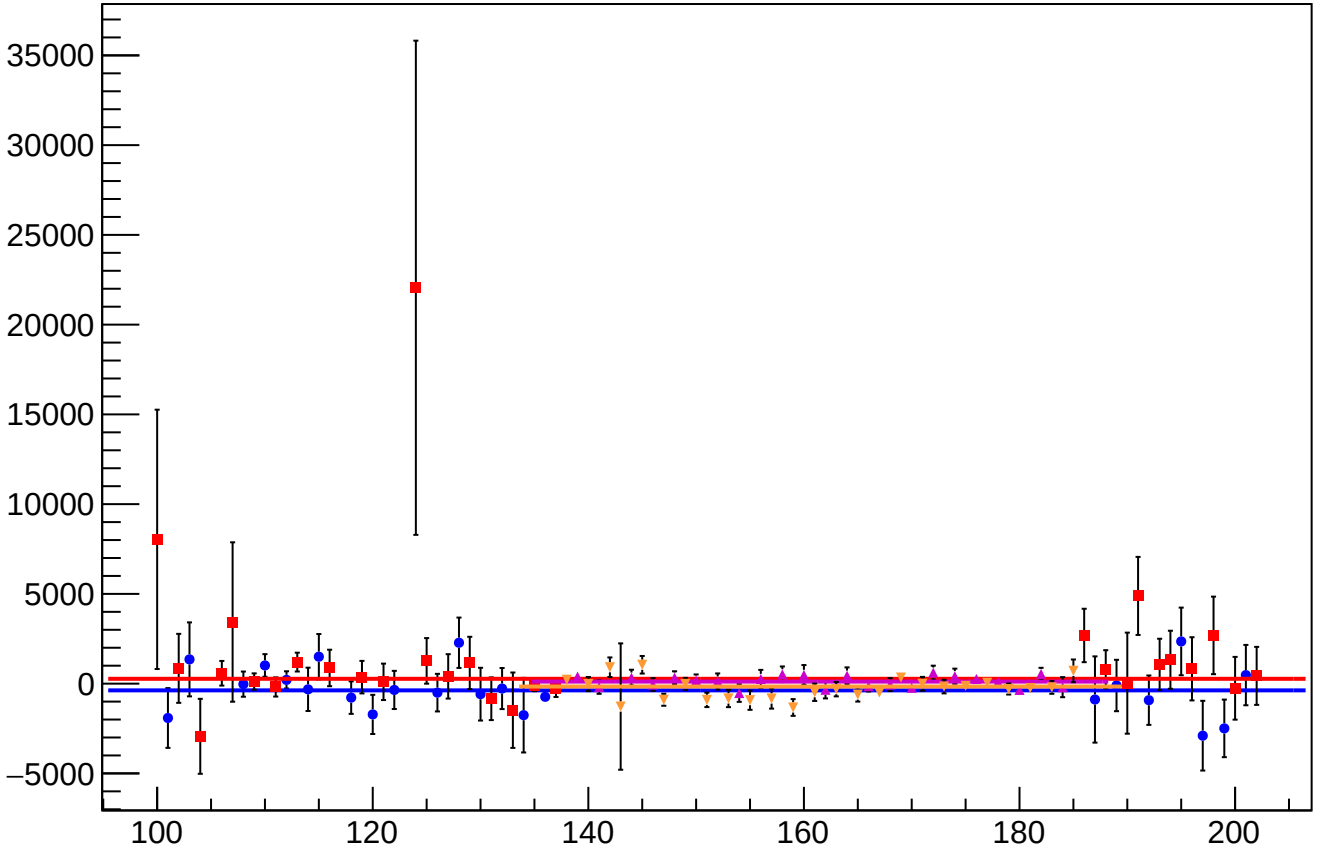
Right: 1288.400+/-0.179 χ^2/NDF: 884442.1/51

In: 1270.563+/-0.163 χ^2/NDF:545467.5/45

Out: 1261.398+/-0.155 χ^2/NDF:525577.3/53

All: 1265.741+/-0.112 χ^2/NDF: 1072709.1/99

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.545+/-164.192 χ^2/NDF: 24.5/22

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 269.823+/-161.106 χ^2/NDF: 25.9/28

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

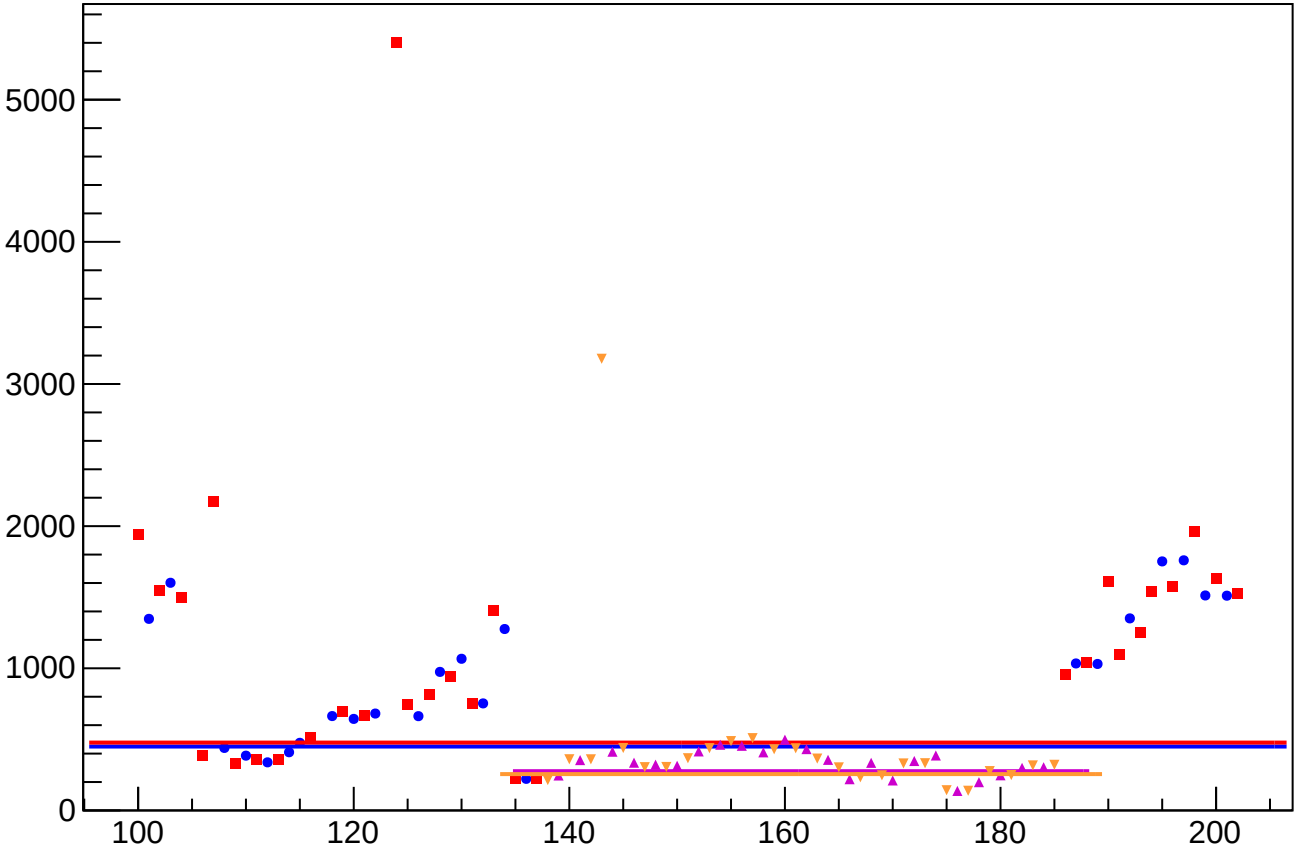
Right: -46.248+/-114.995 χ^2/NDF: 58.2/51

In: 40.723+/-63.486 χ^2/NDF:50.2/45

Out: -102.007+/-59.585 χ^2/NDF:75.8/53

All: -35.162+/-43.447 χ^2/NDF: 128.7/99

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 449.641+/-0.116 χ^2/NDF: 9487579.7/22

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 477.491+/-0.114 χ^2/NDF: 11307249.0/28

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

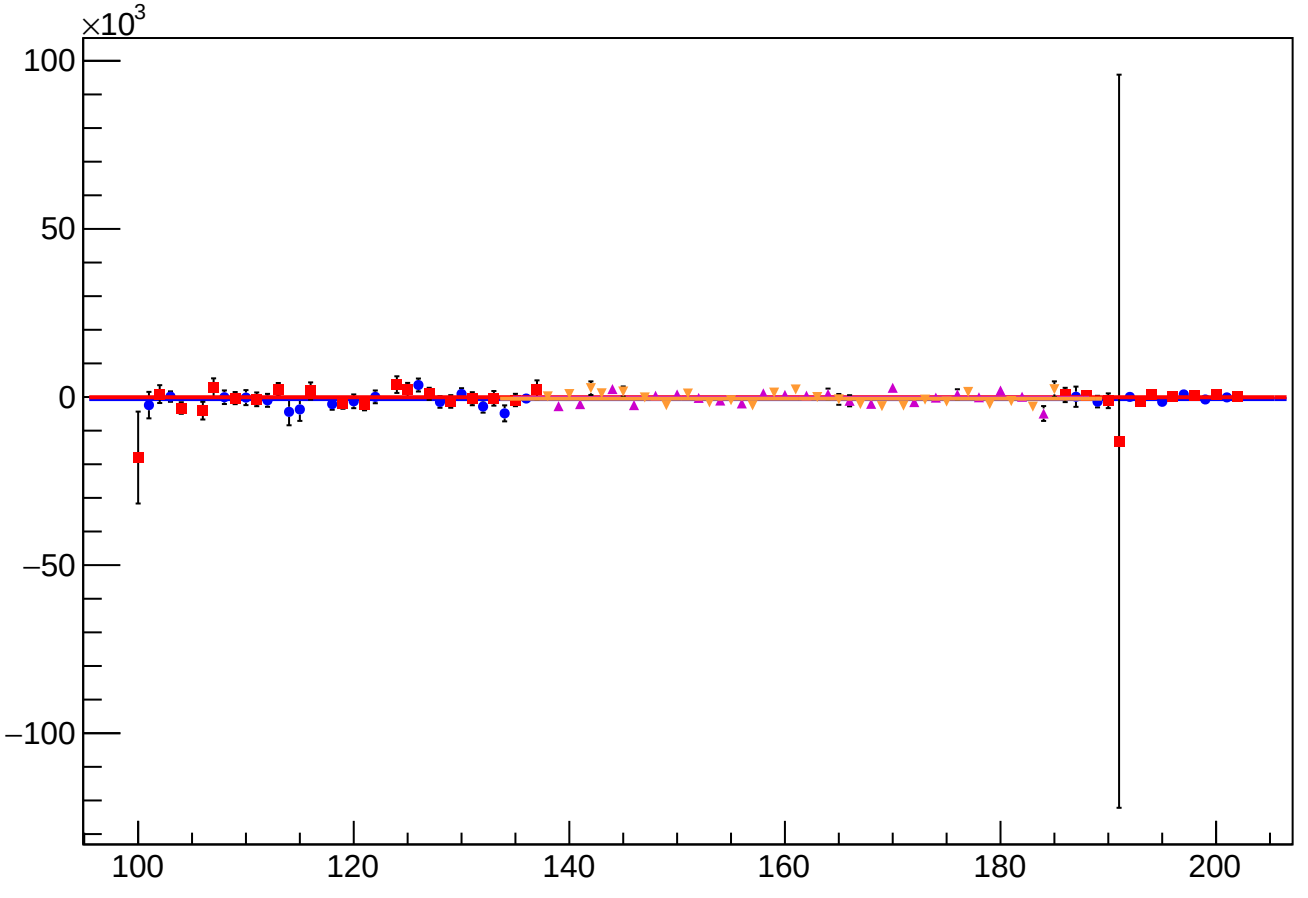
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 463.830+/-0.081 χ^2/NDF: 20824144.1/51

In: 302.214+/-0.045 χ^2/NDF:15410853.1/45

Out: 286.097+/-0.042 χ^2/NDF:20951131.7/53

All: 293.645+/-0.031 χ^2/NDF: 36430510.7/99



Right In: -613.689+/-370.396 χ^2/NDF: 15.6/22

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.716+/-345.093 χ^2/NDF: 20.4/28

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

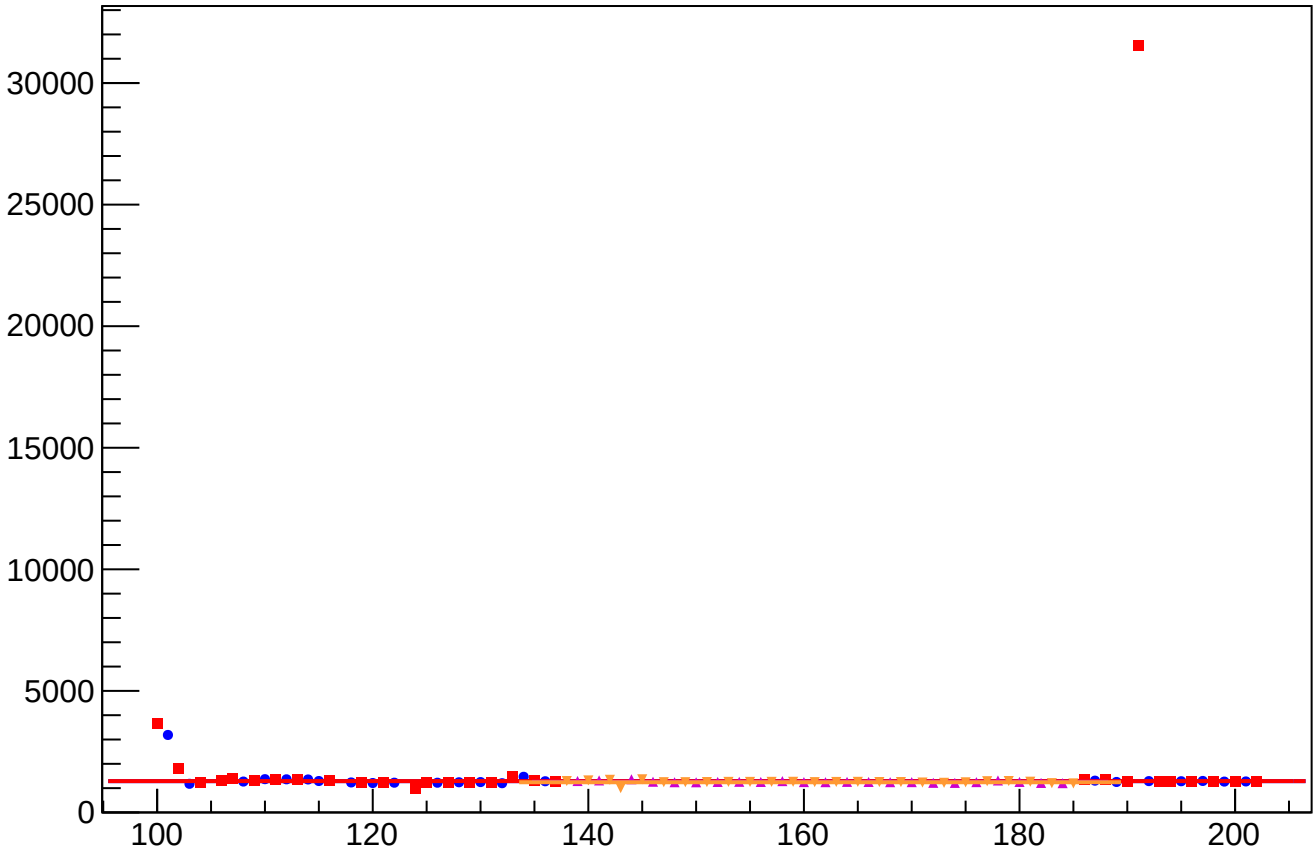
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -319.277+/-252.489 χ^2/NDF: 37.3/51

In: -385.869+/-230.439 χ^2/NDF:46.9/45

Out: -320.840+/-218.704 χ^2/NDF:55.6/53

All: -351.657+/-158.634 χ^2/NDF: 102.6/99



Right In: 1287.141+/-0.262 χ^2/NDF: 510998.8/22

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.3/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

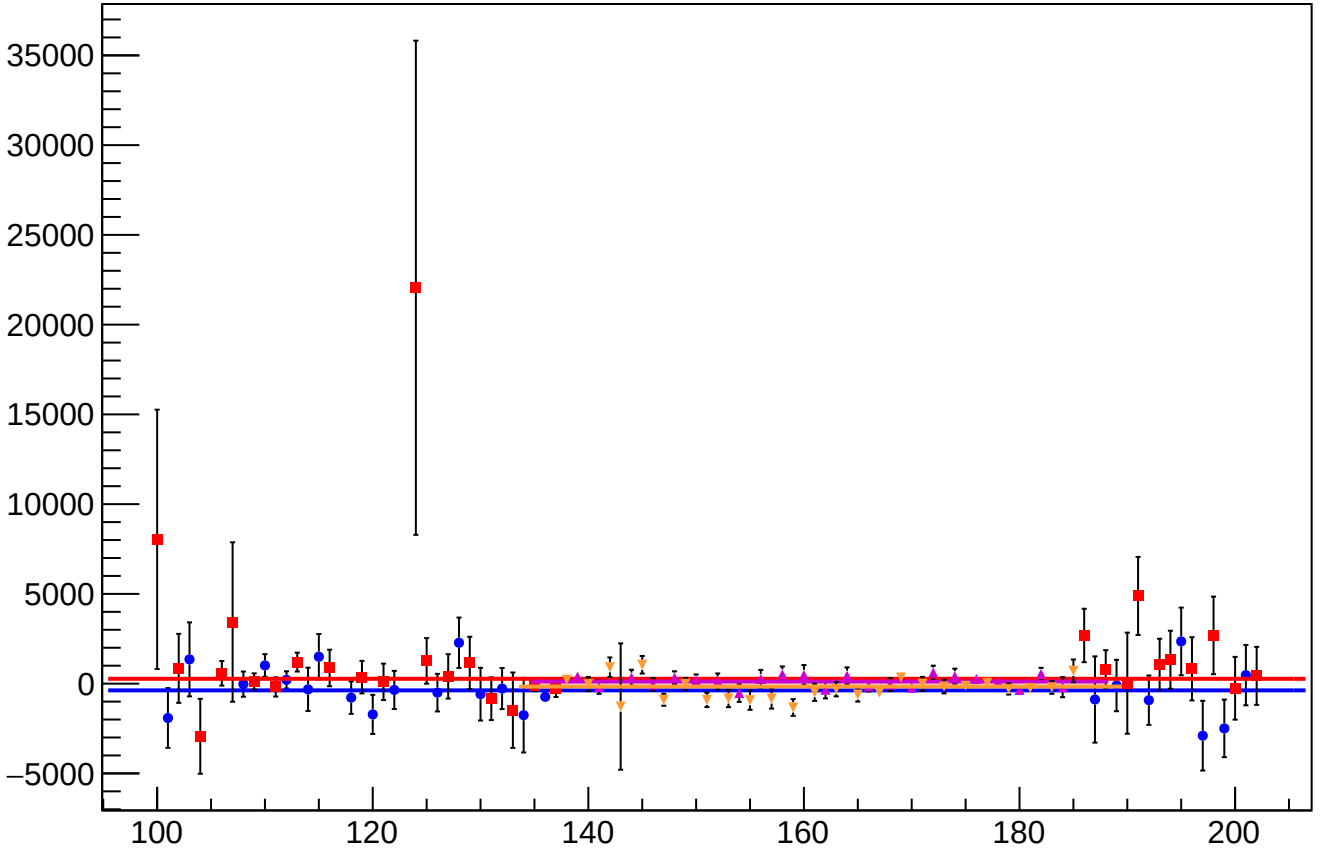
Right: 1288.400+/-0.179 χ^2/NDF: 884442.3/51

In: 1270.563+/-0.163 χ^2/NDF:545467.6/45

Out: 1261.398+/-0.155 χ^2/NDF:525576.6/53

All: 1265.741+/-0.112 χ^2/NDF: 1072708.5/99

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.546+/-164.195 χ^2/NDF: 24.5/22

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 269.831+/-161.108 χ^2/NDF: 25.9/28

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

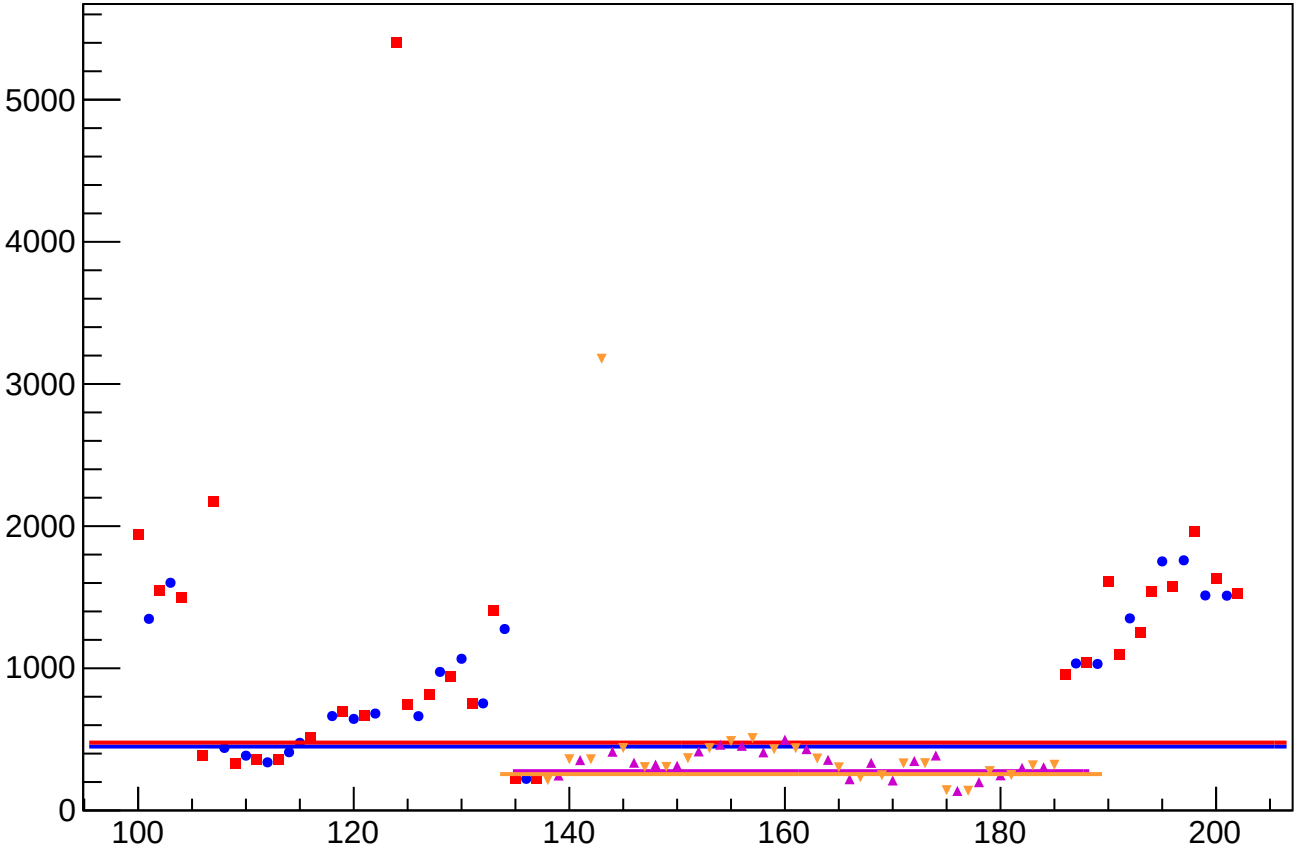
Right: -46.244+/-114.997 χ^2/NDF: 58.2/51

In: 40.724+/-63.487 χ^2/NDF:50.2/45

Out: -102.010+/-59.585 χ^2/NDF:75.8/53

All: -35.163+/-43.447 χ^2/NDF: 128.7/99

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 449.653+/-0.116 χ^2/NDF: 9487298.5/22

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 477.500+/-0.114 χ^2/NDF: 11306999.8/28

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

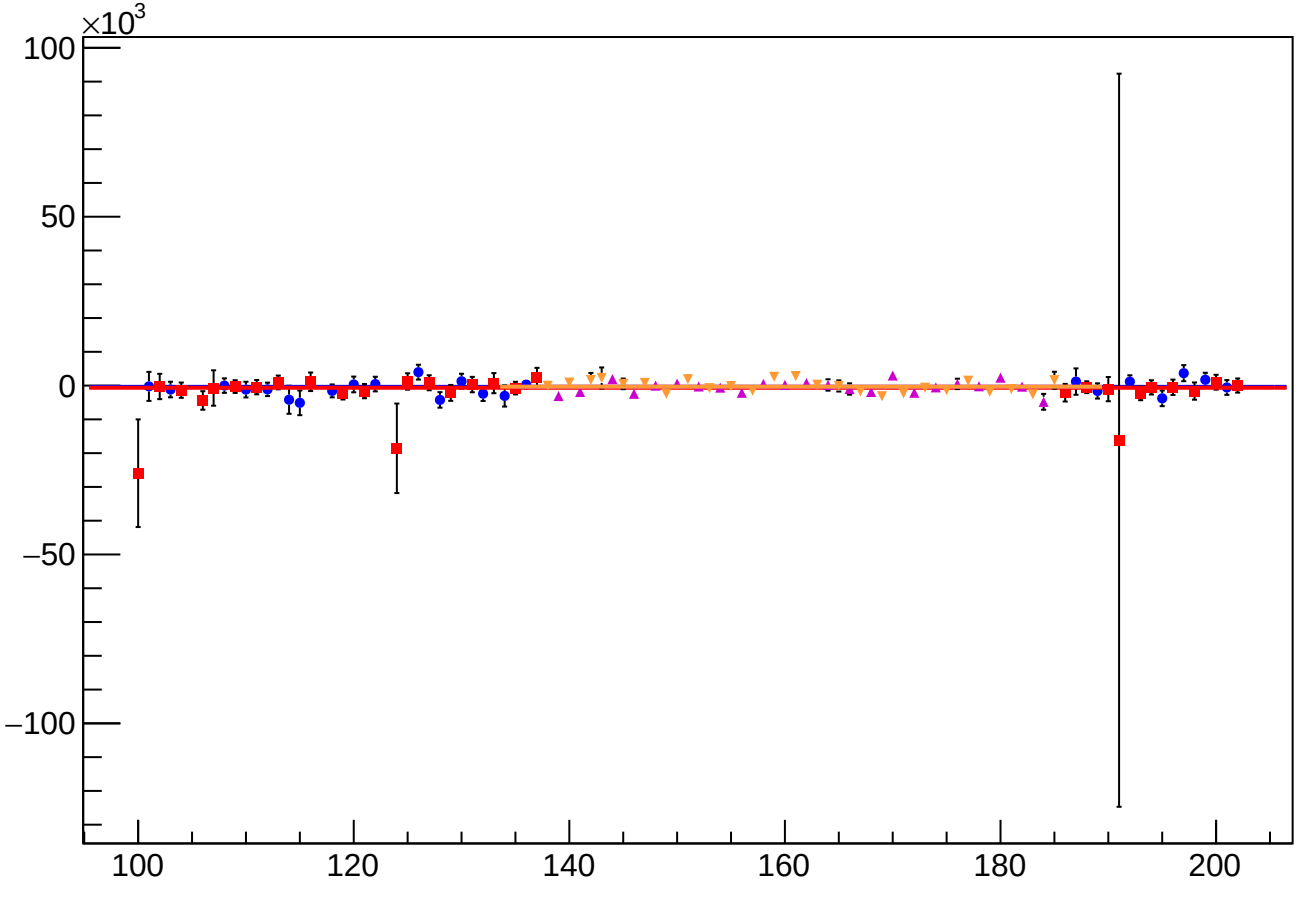
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 463.840+/-0.081 χ^2/NDF: 20823608.3/51

In: 302.215+/-0.045 χ^2/NDF:15410720.5/45

Out: 286.099+/-0.042 χ^2/NDF:20950946.7/53

All: 293.647+/-0.031 χ^2/NDF: 36430188.5/99



Right In: -375.615+/-471.917 χ^2/NDF: 19.9/22

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -636.563+/-451.010 χ^2/NDF: 13.2/28

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

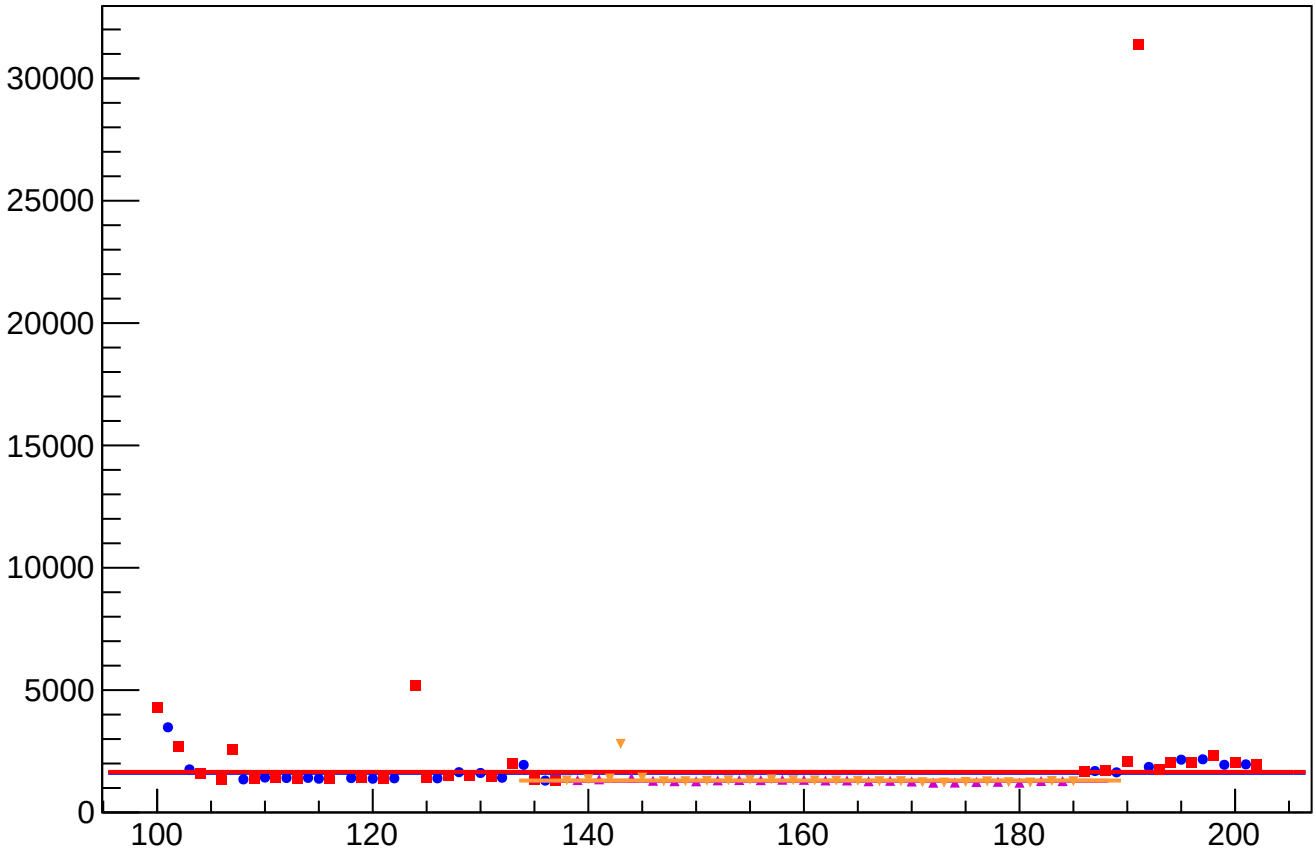
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -511.997+/-326.053 χ^2/NDF: 33.2/51

In: -361.971+/-254.314 χ^2/NDF:49.6/45

Out: -416.147+/-248.786 χ^2/NDF:45.1/53

All: -389.654+/-177.841 χ^2/NDF: 94.7/99



Right In: 1620.046+/-0.334 χ^2/NDF: 1047153.6/22

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1657.593+/-0.319 χ^2/NDF: 1347719.7/28

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

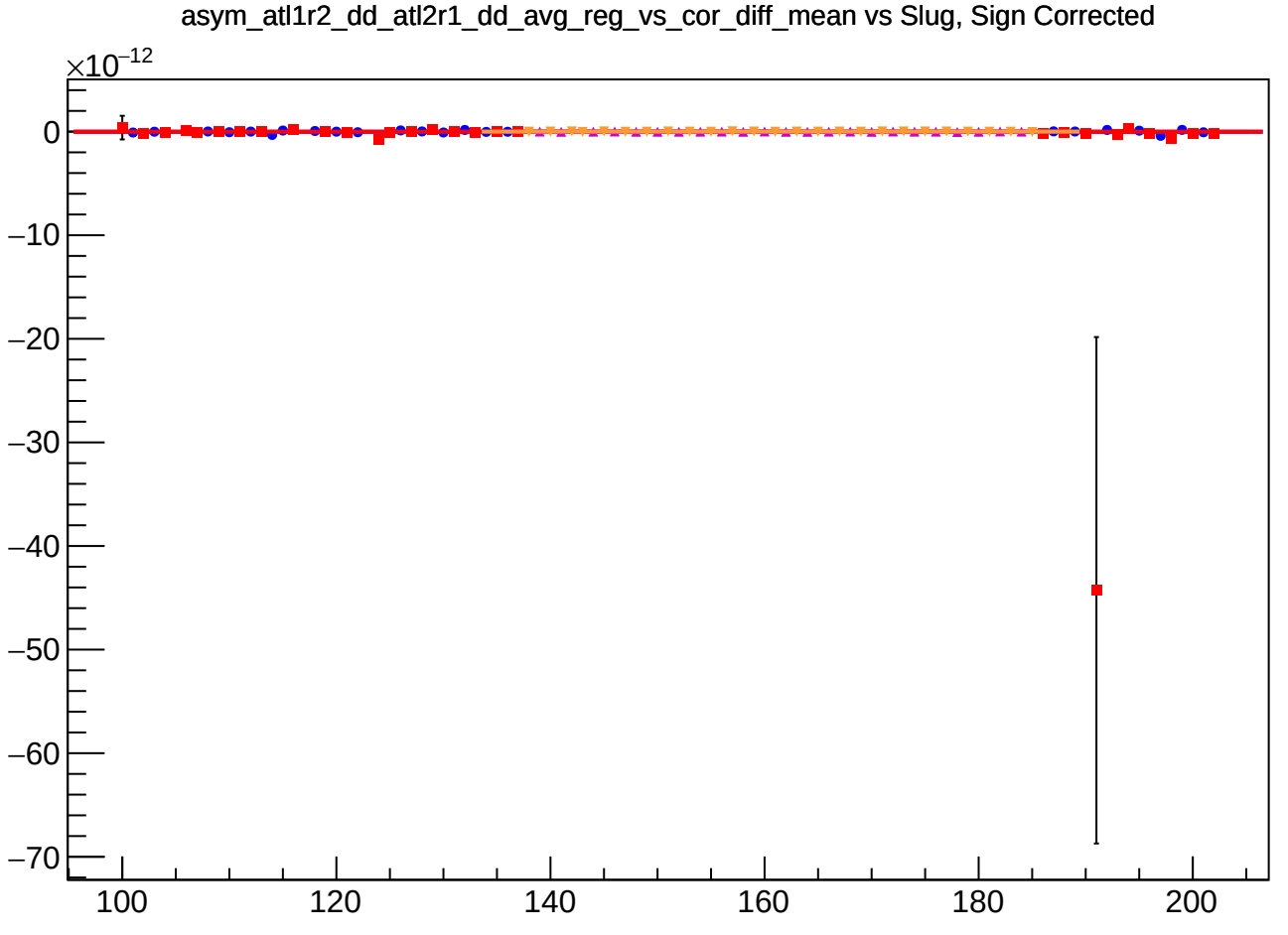
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1639.669+/-0.231 χ^2/NDF: 2401490.2/51

In: 1387.355+/-0.180 χ^2/NDF:1780748.7/45

Out: 1411.702+/-0.176 χ^2/NDF:2721830.8/53

All: 1399.796+/-0.126 χ^2/NDF: 4511946.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/28

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

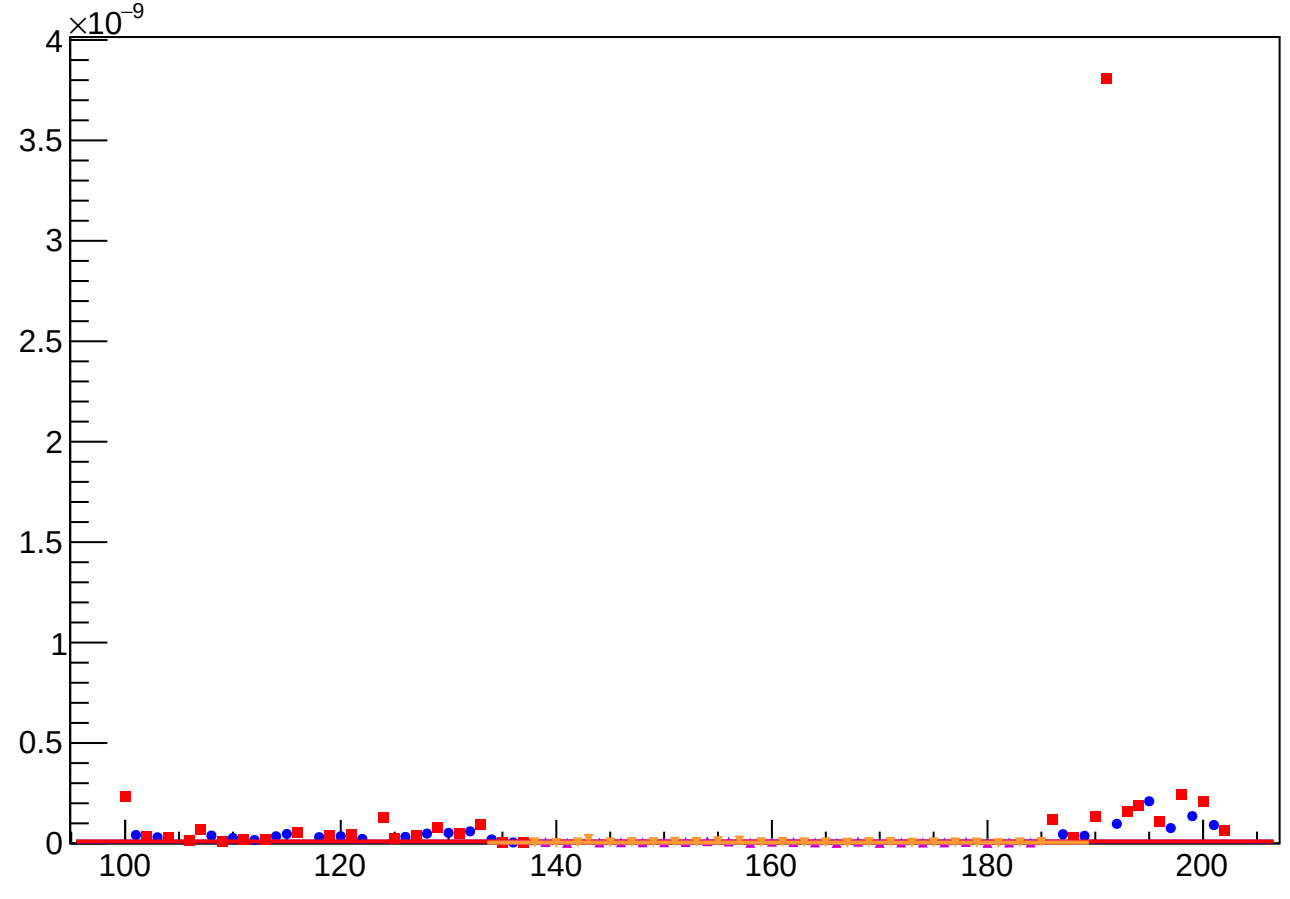
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 52.5/51

In: -0.000+/-0.000 χ^2/NDF:47.7/45

Out: -0.000+/-0.000 χ^2/NDF:64.0/53

All: -0.000+/-0.000 χ^2/NDF: 112.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 5761631.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8083906.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

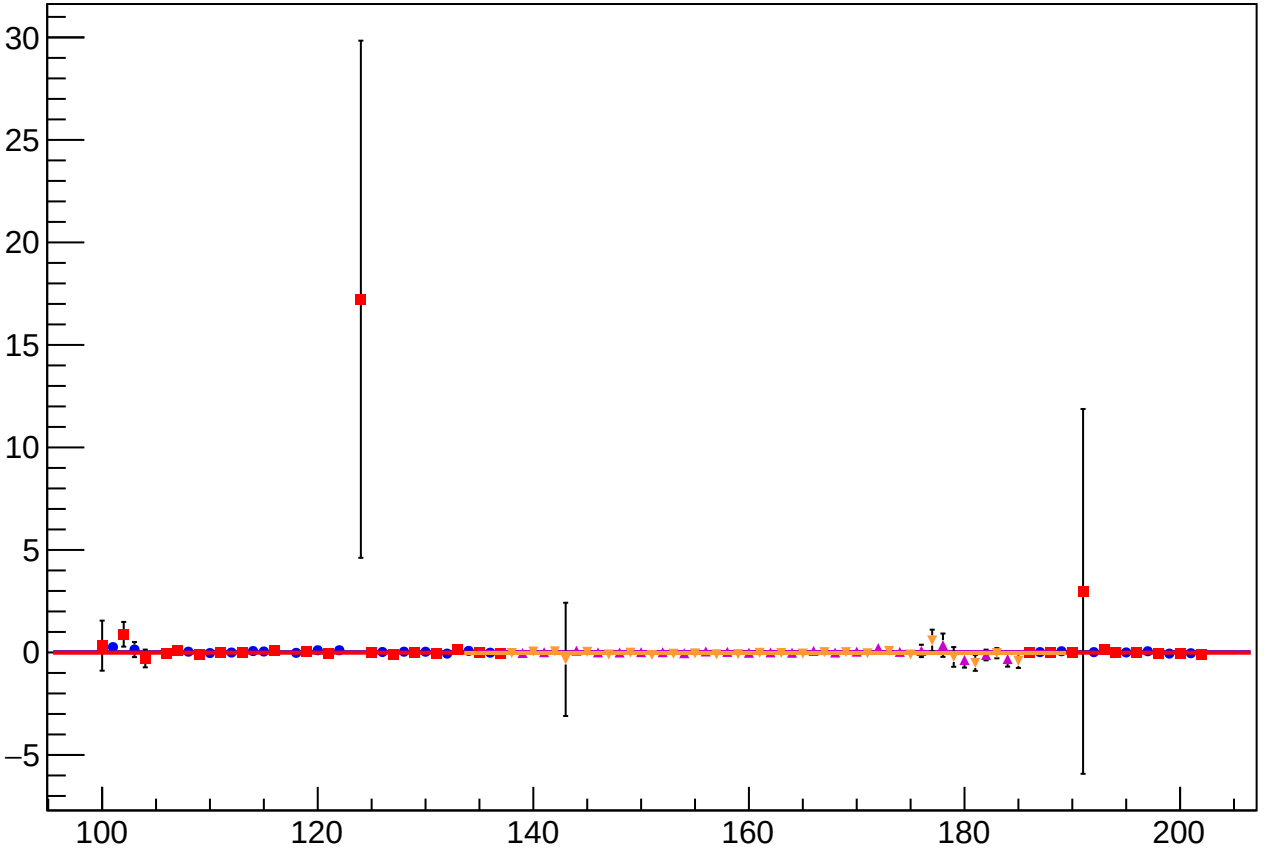
Right: 0.000+/-0.000 χ^2/NDF: 13853091.7/51

In: 0.000+/-0.000 χ^2/NDF:8322126.7/45

Out: 0.000+/-0.000 χ^2/NDF:11674554.7/53

All: 0.000+/-0.000 χ^2/NDF: 20022237.6/99

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

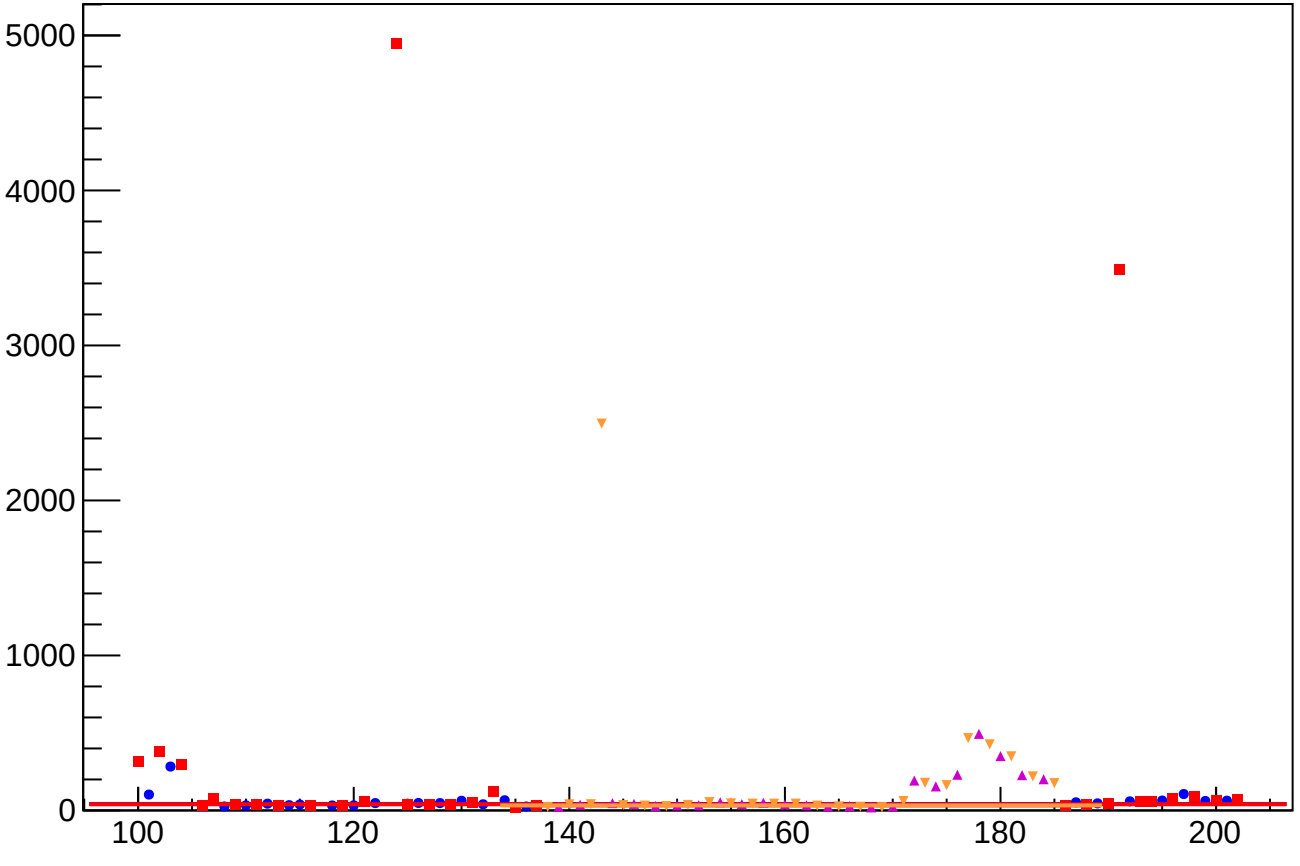
Right: 0.001+/-0.009 χ^2/NDF: 37.5/51

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/99

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.224+/-0.010 χ^2/NDF: 3820893.4/22

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

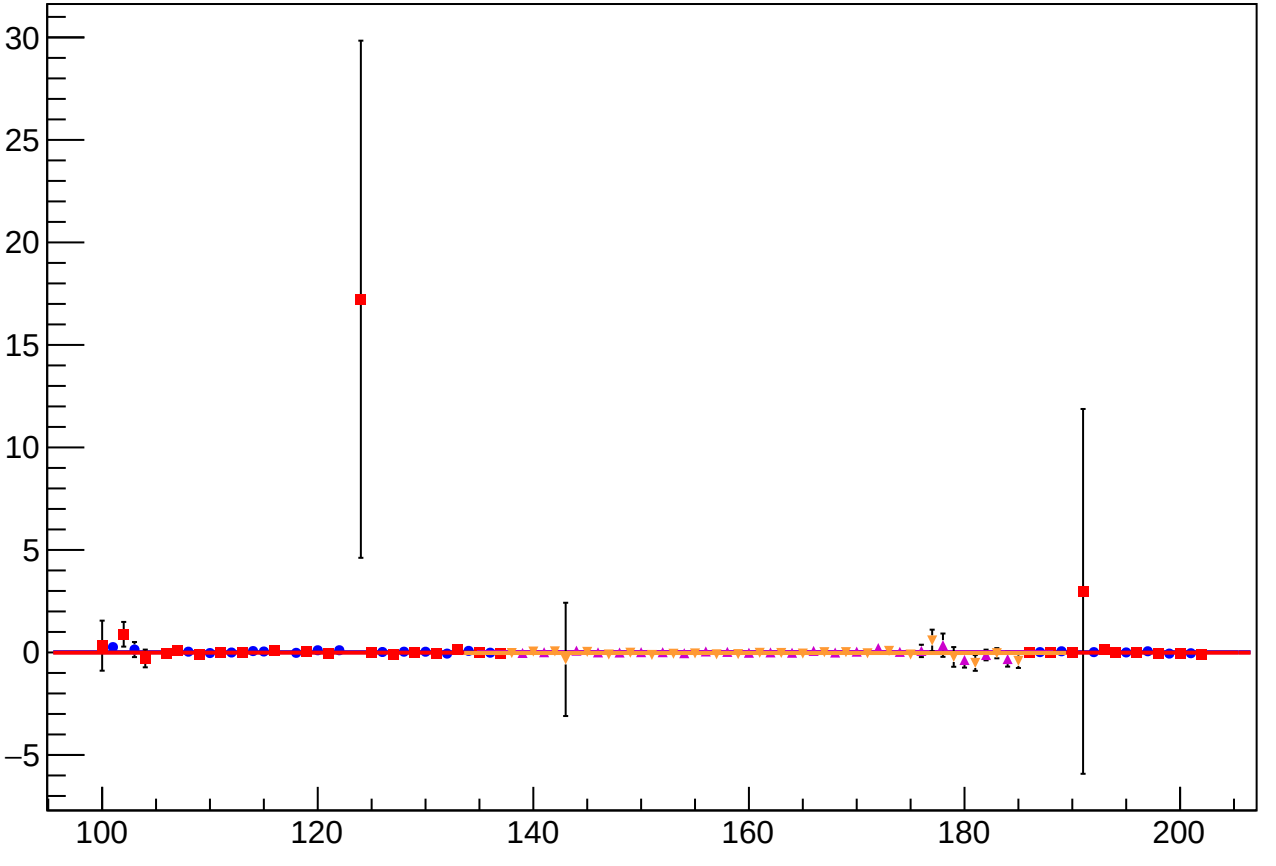
Right: 40.714+/-0.007 χ^2/NDF: 9084405.1/51

In: 35.504+/-0.006 χ^2/NDF:13304164.5/45

Out: 35.341+/-0.005 χ^2/NDF:16606068.8/53

All: 35.420+/-0.004 χ^2/NDF: 29910680.1/99

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

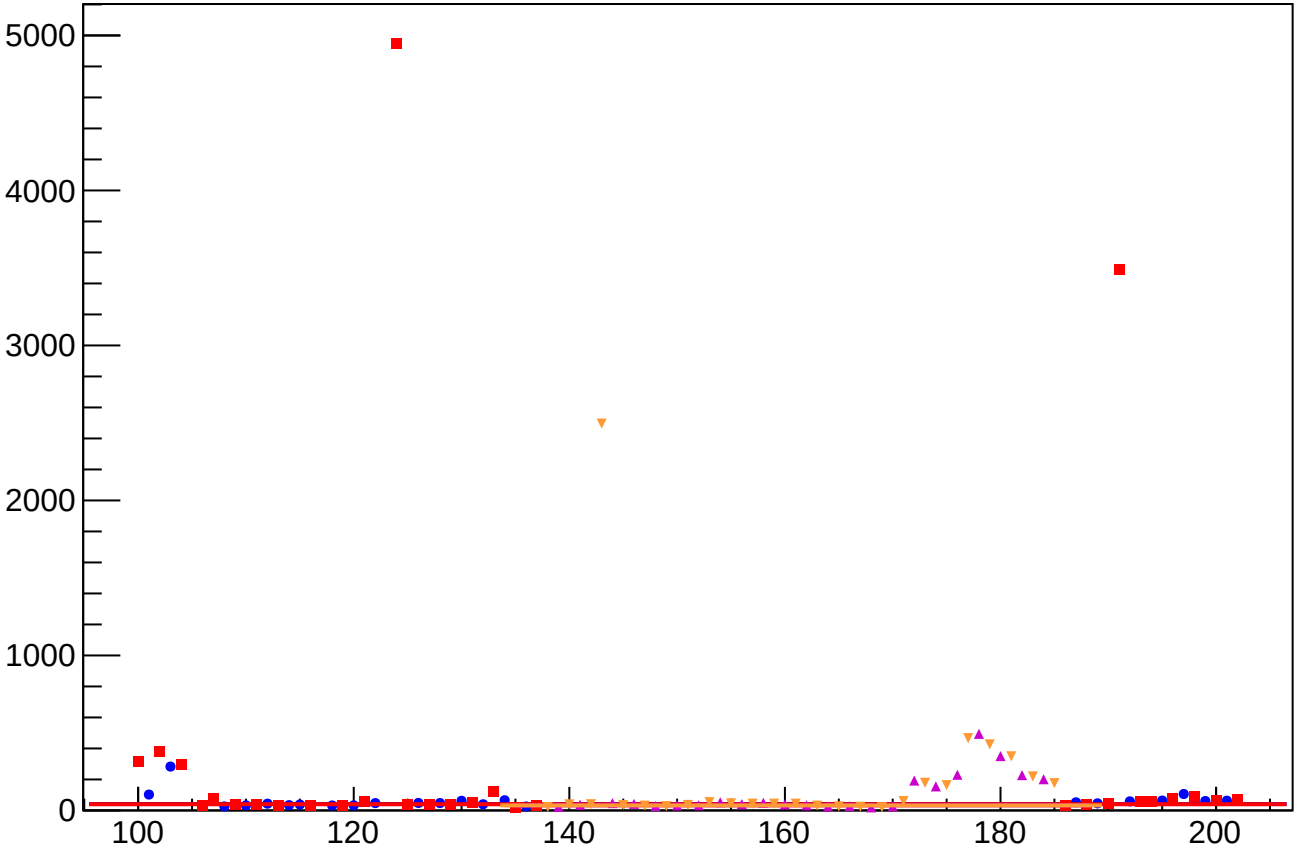
Right: 0.001+/-0.009 χ^2/NDF: 37.5/51

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/99

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.224+/-0.010 χ^2/NDF: 3820893.4/22

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

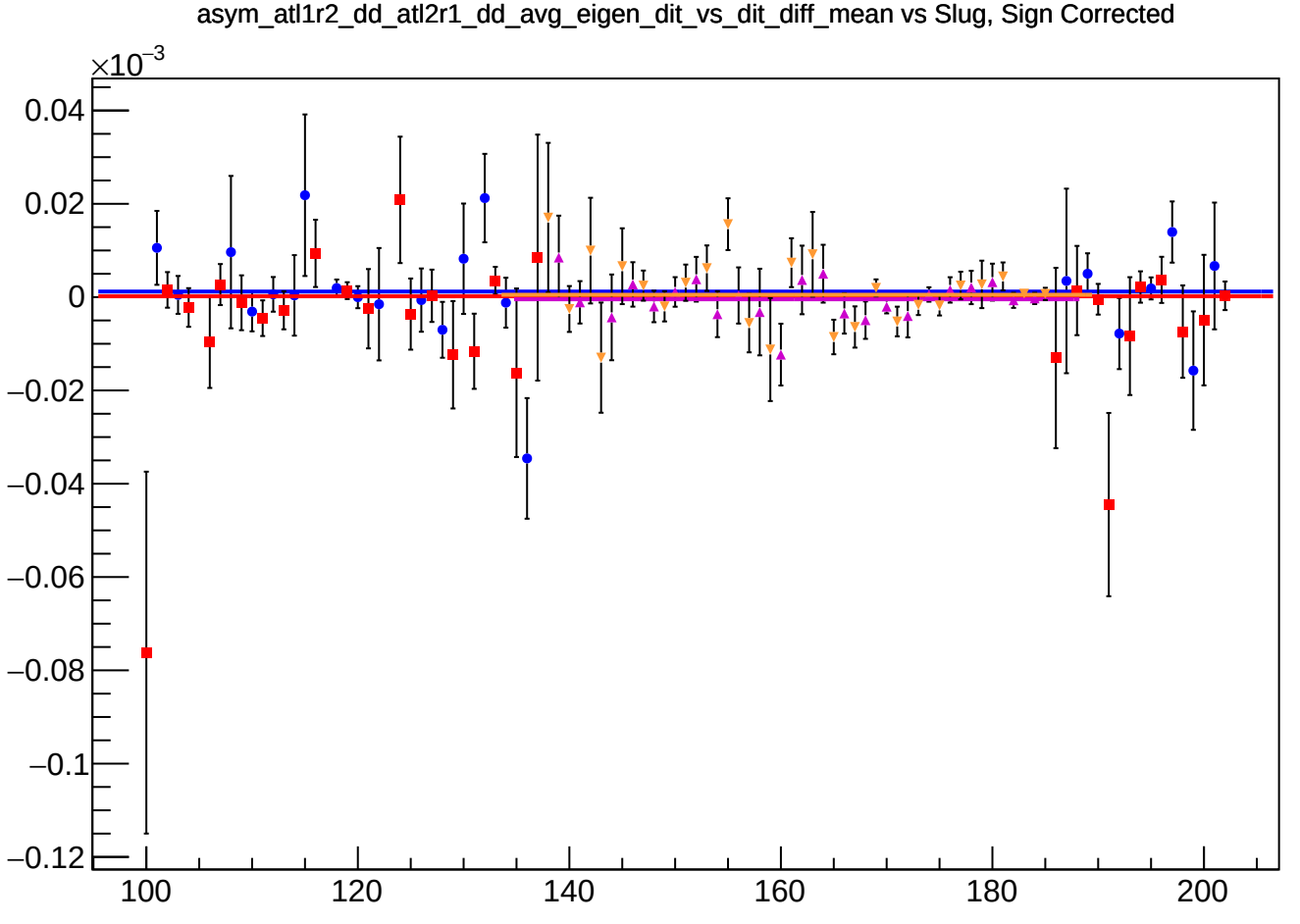
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.714+/-0.007 χ^2/NDF: 9084405.1/51

In: 35.504+/-0.006 χ^2/NDF:13304164.5/45

Out: 35.341+/-0.005 χ^2/NDF:16606068.8/53

All: 35.420+/-0.004 χ^2/NDF: 29910680.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/28

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

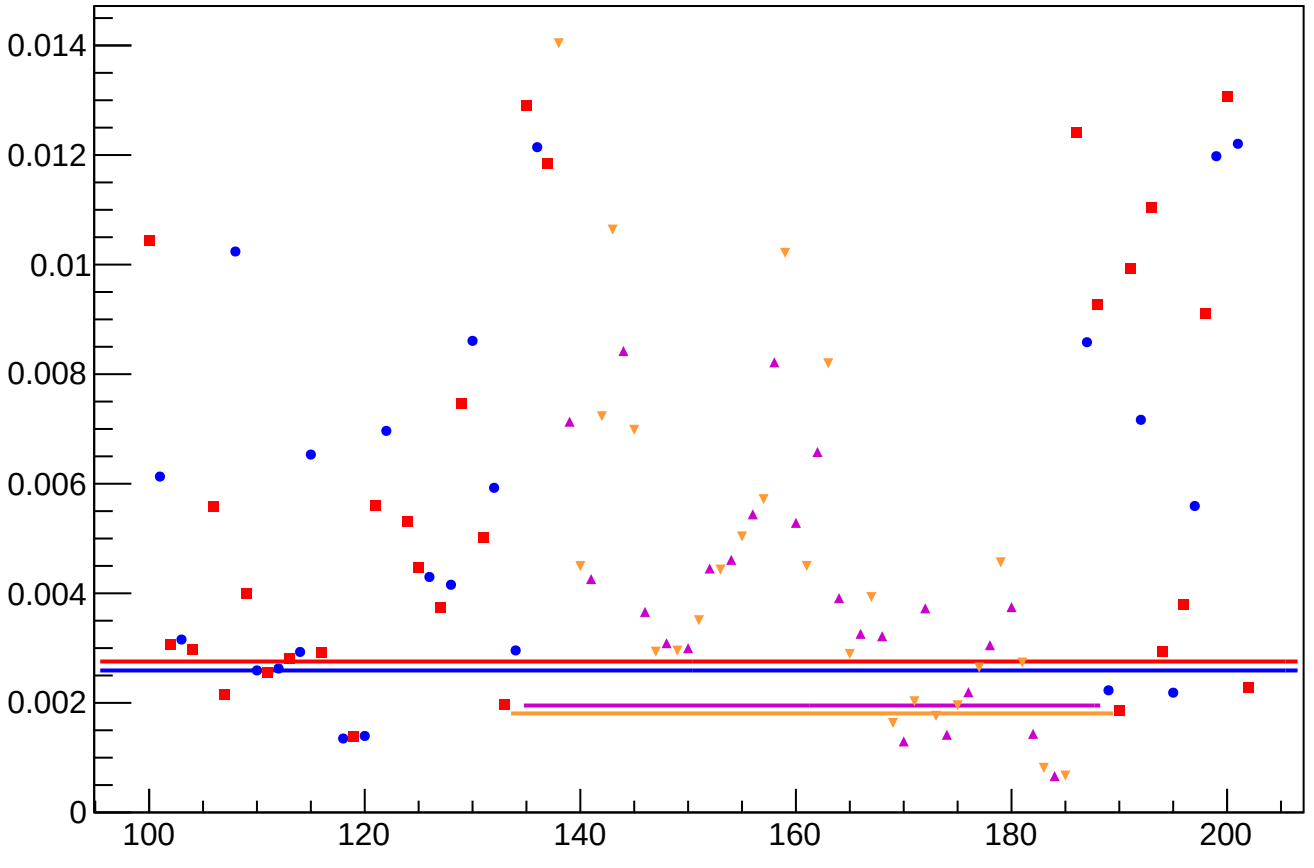
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.7/51

In: -0.000+/-0.000 χ^2/NDF:43.1/45

Out: 0.000+/-0.000 χ^2/NDF:61.6/53

All: 0.000+/-0.000 χ^2/NDF: 105.1/99



Right In: 0.003+/-0.000 χ^2/NDF: 8292286.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8251766.8/28

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

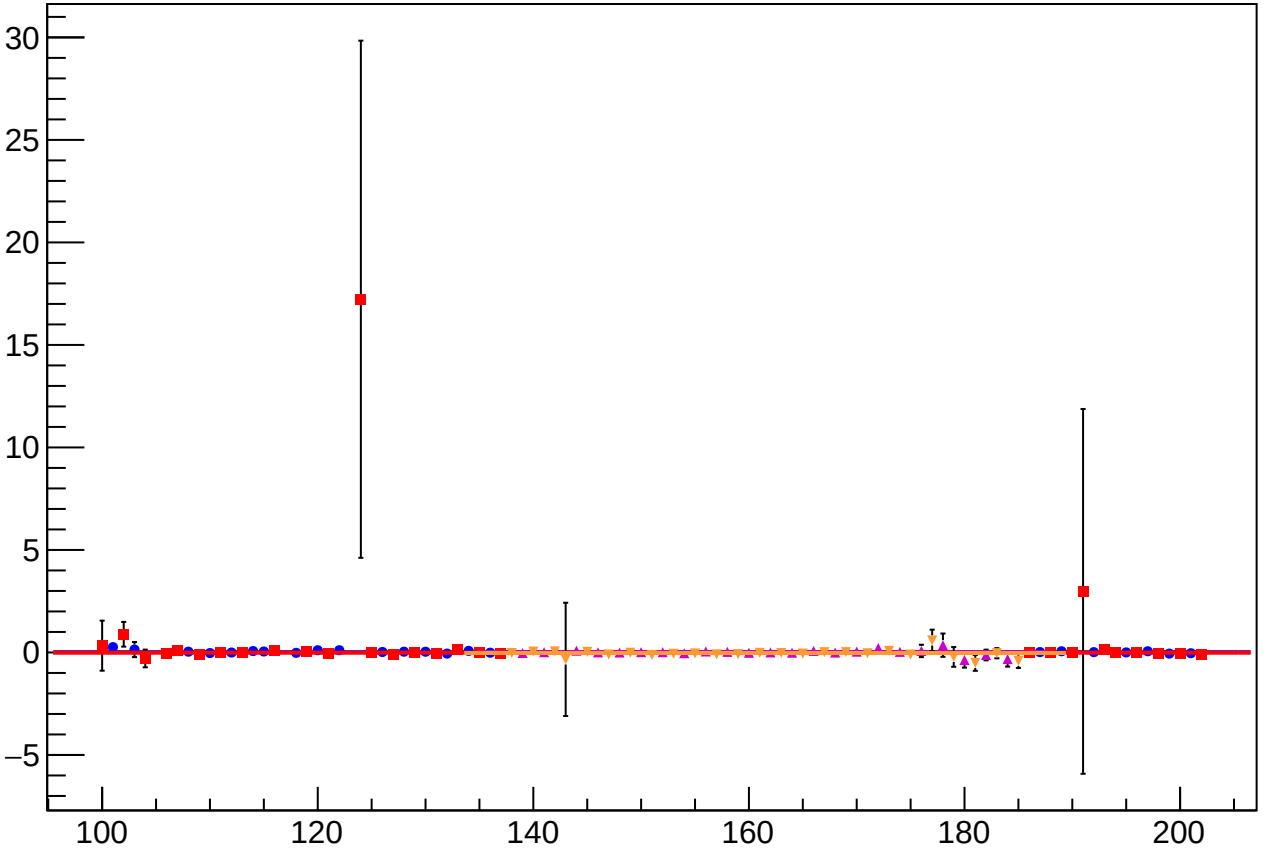
Right: 0.003+/-0.000 χ^2/NDF: 16575519.7/51

In: 0.002+/-0.000 χ^2/NDF:20424434.1/45

Out: 0.002+/-0.000 χ^2/NDF:24827432.4/53

All: 0.002+/-0.000 χ^2/NDF: 45268978.4/99

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

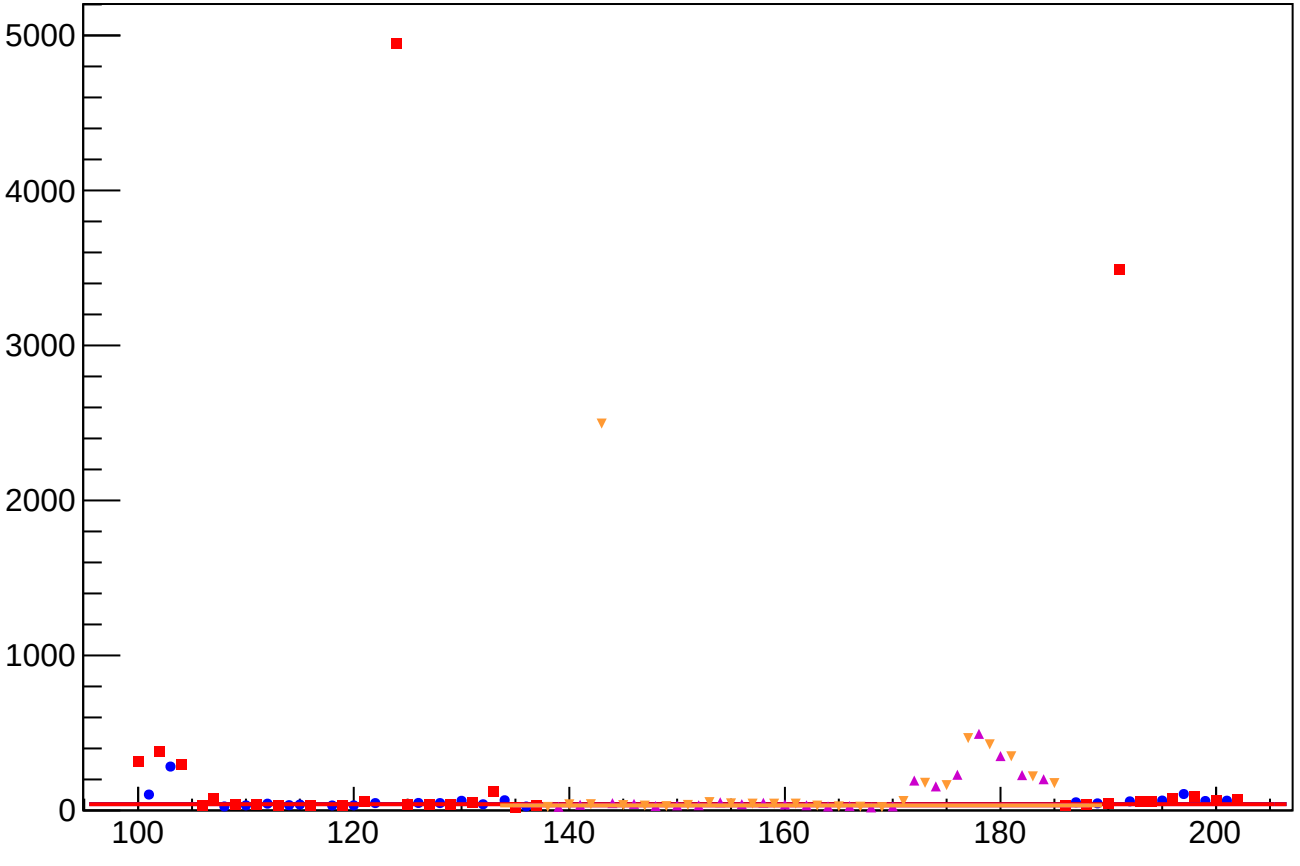
Right: 0.001+/-0.009 χ^2/NDF: 37.5/51

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/99

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

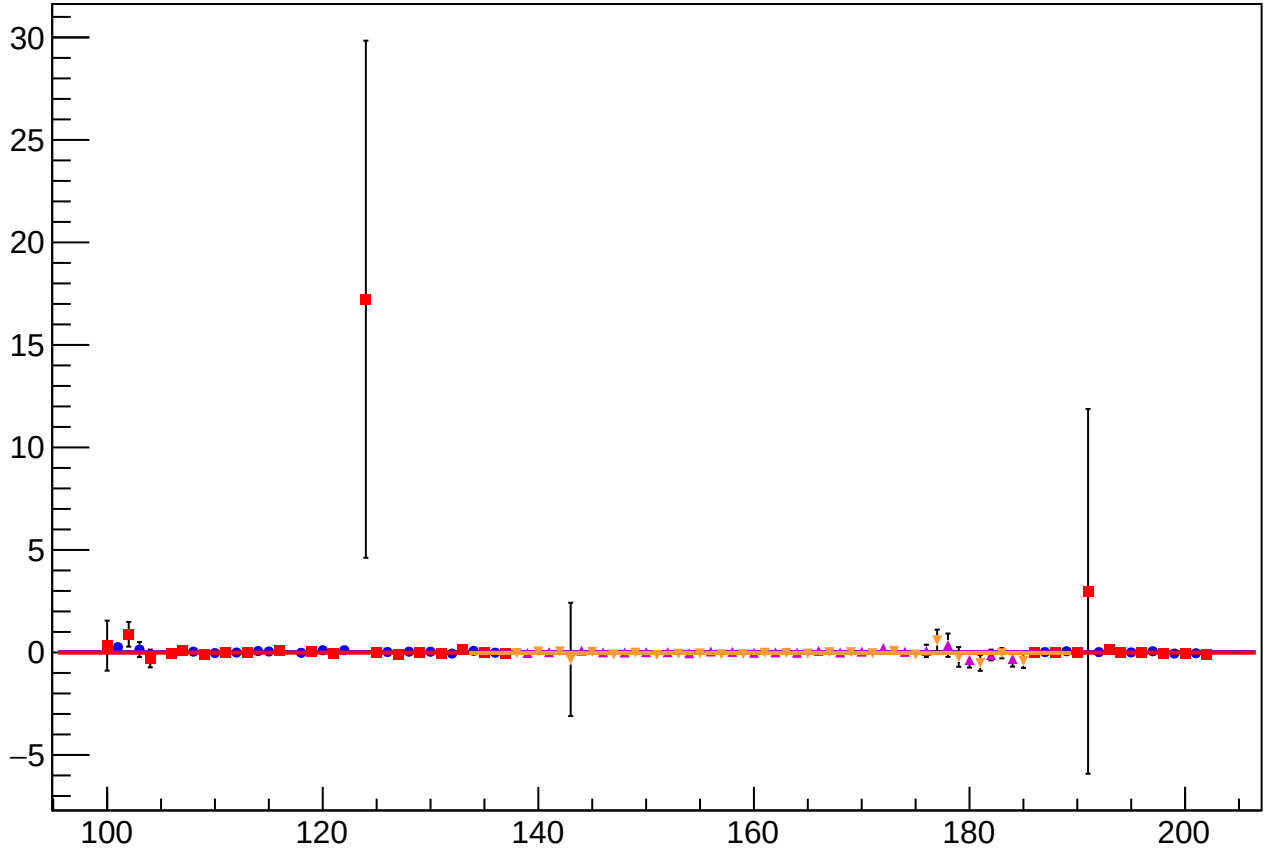
Right: 40.715+/-0.007 χ^2/NDF: 9083749.0/51

In: 35.503+/-0.006 χ^2/NDF:13304677.1/45

Out: 35.341+/-0.005 χ^2/NDF:16606161.6/53

All: 35.420+/-0.004 χ^2/NDF: 29911282.6/99

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

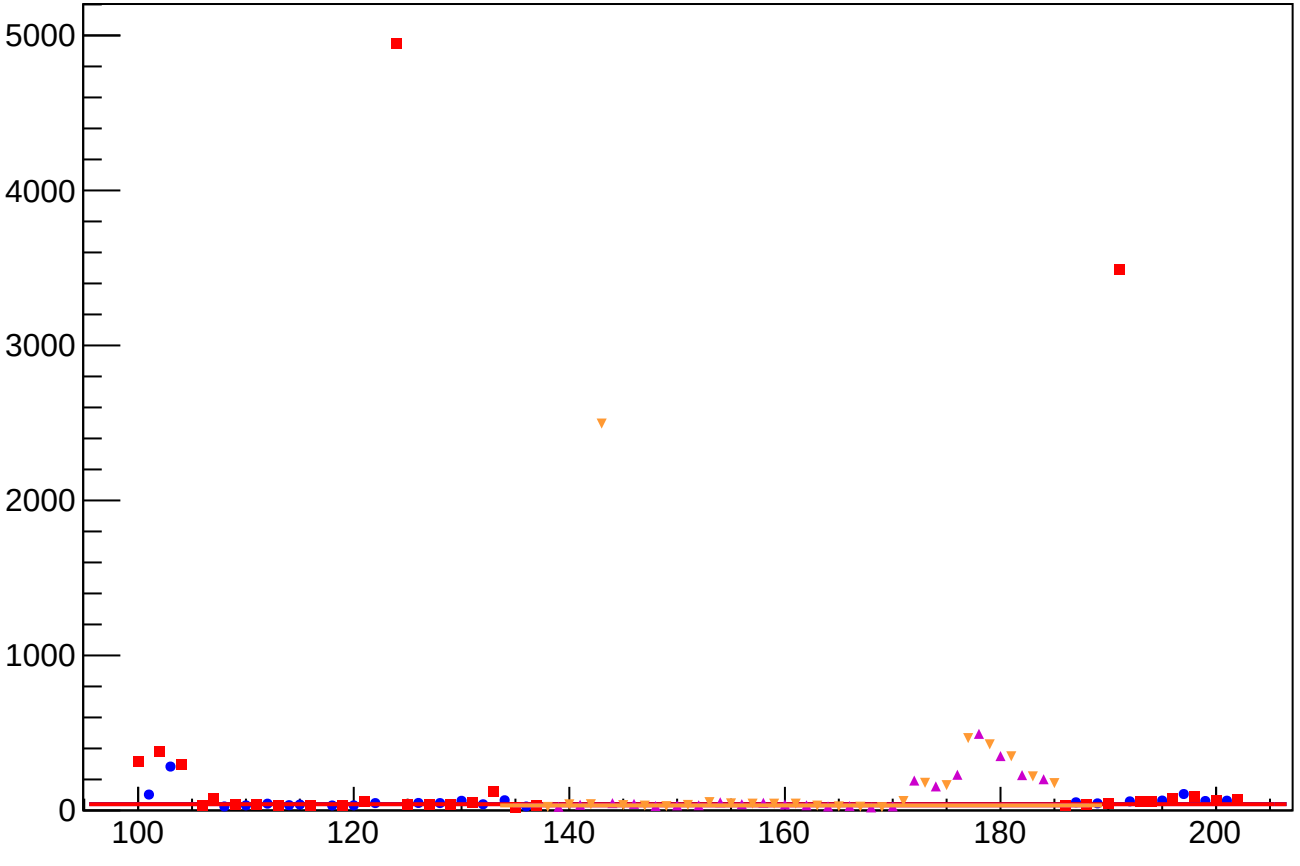
Right: 0.001+/-0.009 χ^2/NDF: 37.5/51

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/99

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

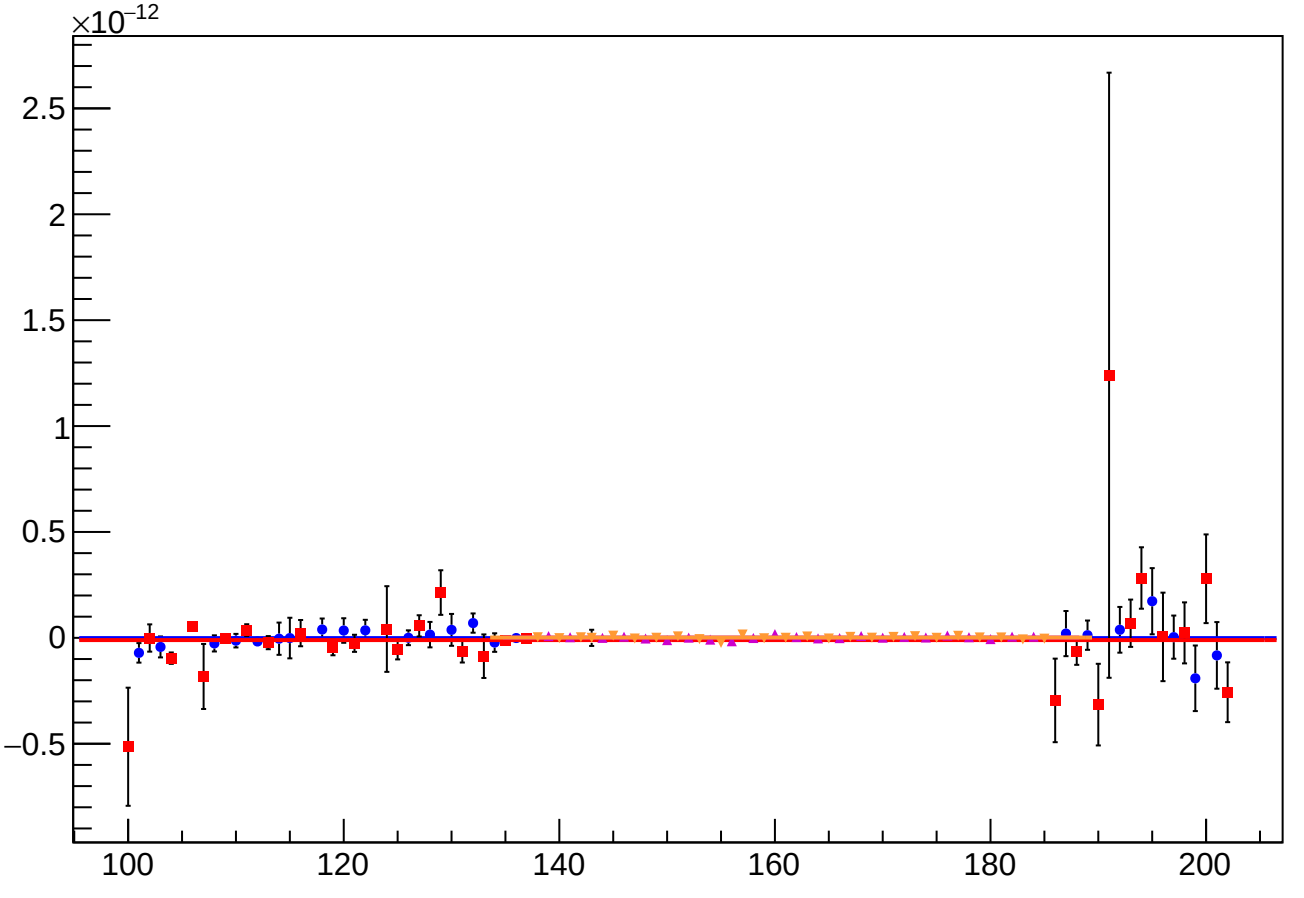
Right: 40.715+/-0.007 χ^2/NDF: 9083749.0/51

In: 35.503+/-0.006 χ^2/NDF:13304677.1/45

Out: 35.341+/-0.005 χ^2/NDF:16606161.6/53

All: 35.420+/-0.004 χ^2/NDF: 29911282.6/99

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: 11.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 55.5/28

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

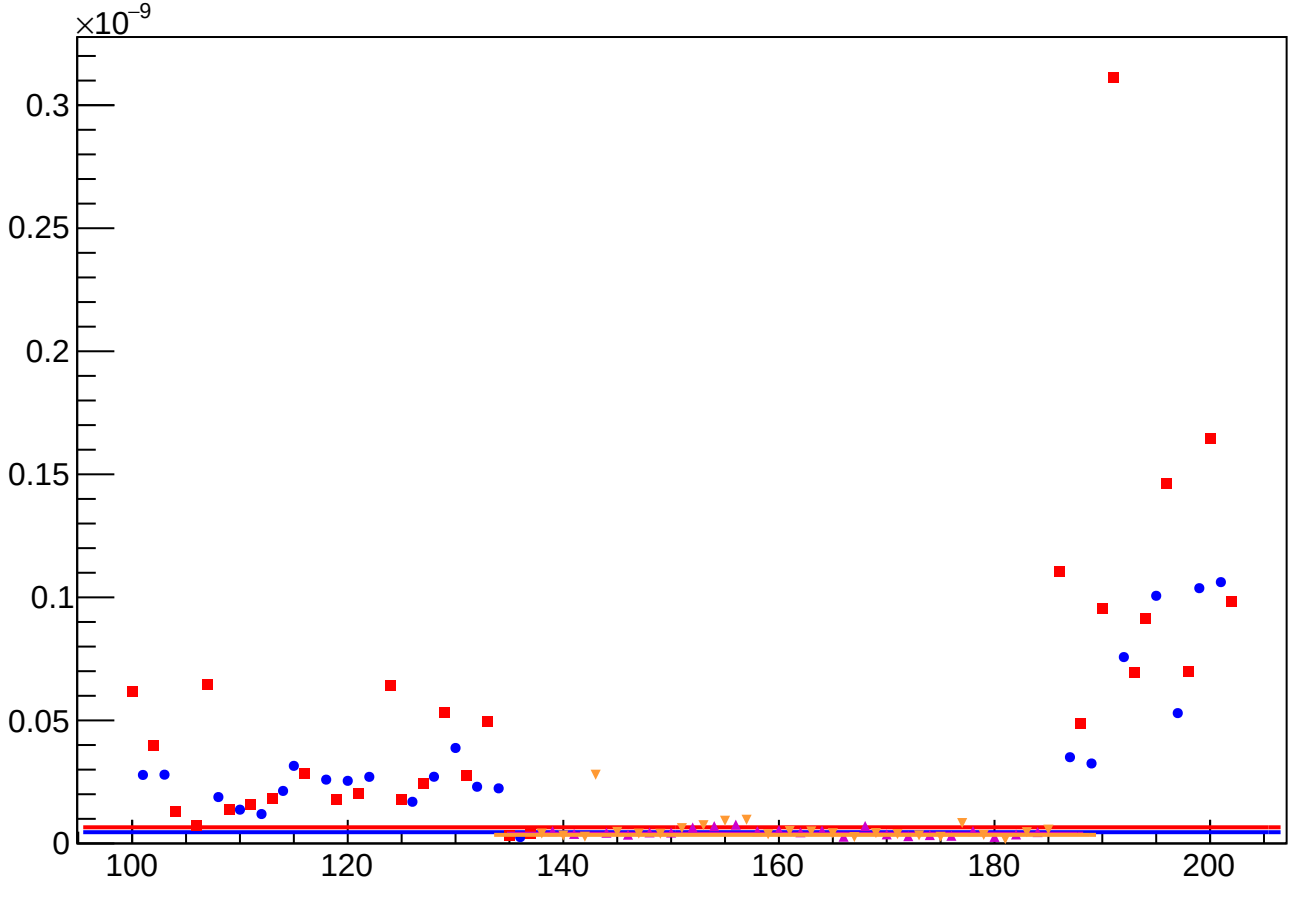
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 70.3/51

In: 0.000+/-0.000 χ^2/NDF:41.0/45

Out: 0.000+/-0.000 χ^2/NDF:81.4/53

All: 0.000+/-0.000 χ^2/NDF: 122.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 9324051.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11418871.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

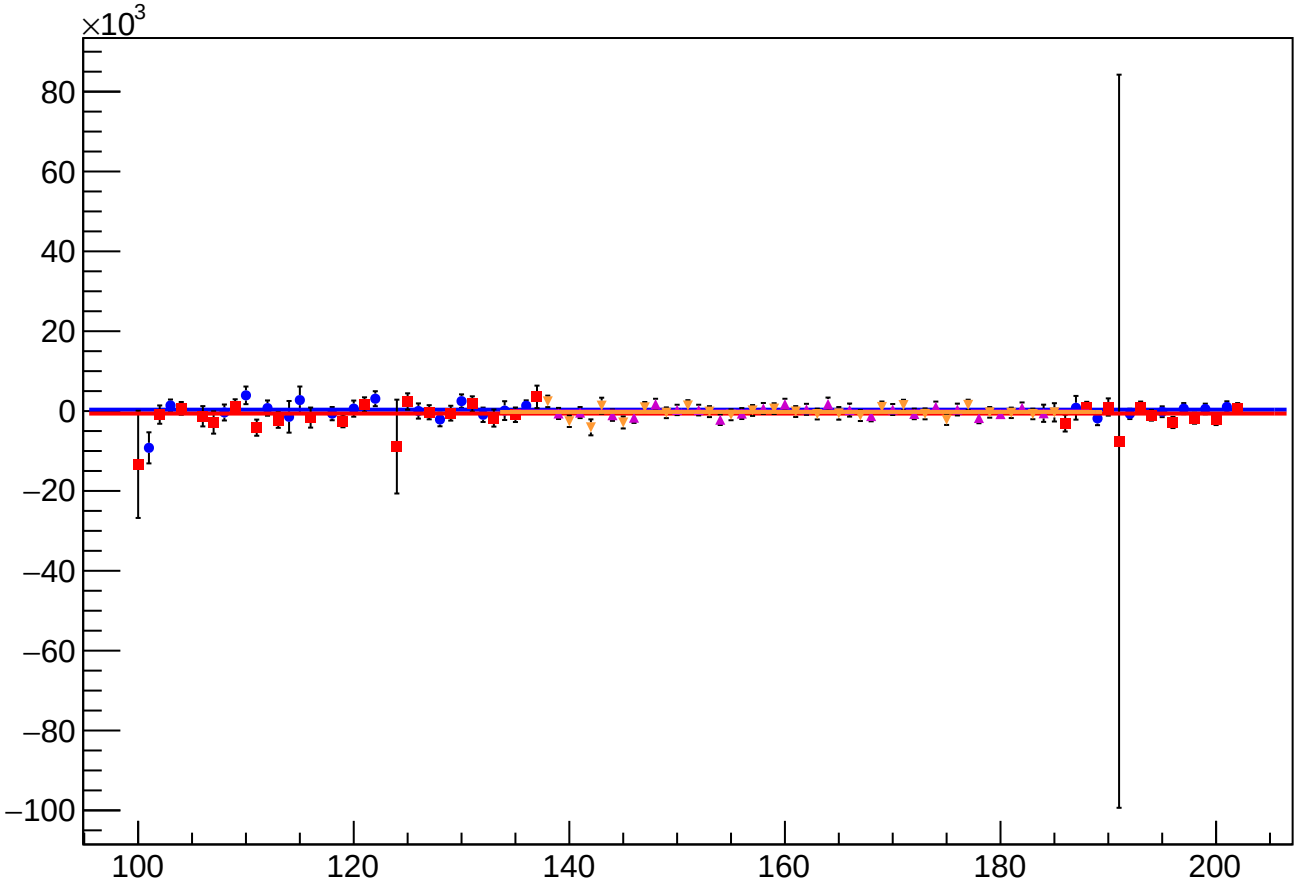
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 21018172.5/51

In: 0.000+/-0.000 χ^2/NDF:11452639.0/45

Out: 0.000+/-0.000 χ^2/NDF:17133136.5/53

All: 0.000+/-0.000 χ^2/NDF: 28698141.1/99



Right In: 349.943+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -626.859+/-342.208 χ^2/NDF: 27.0/28

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

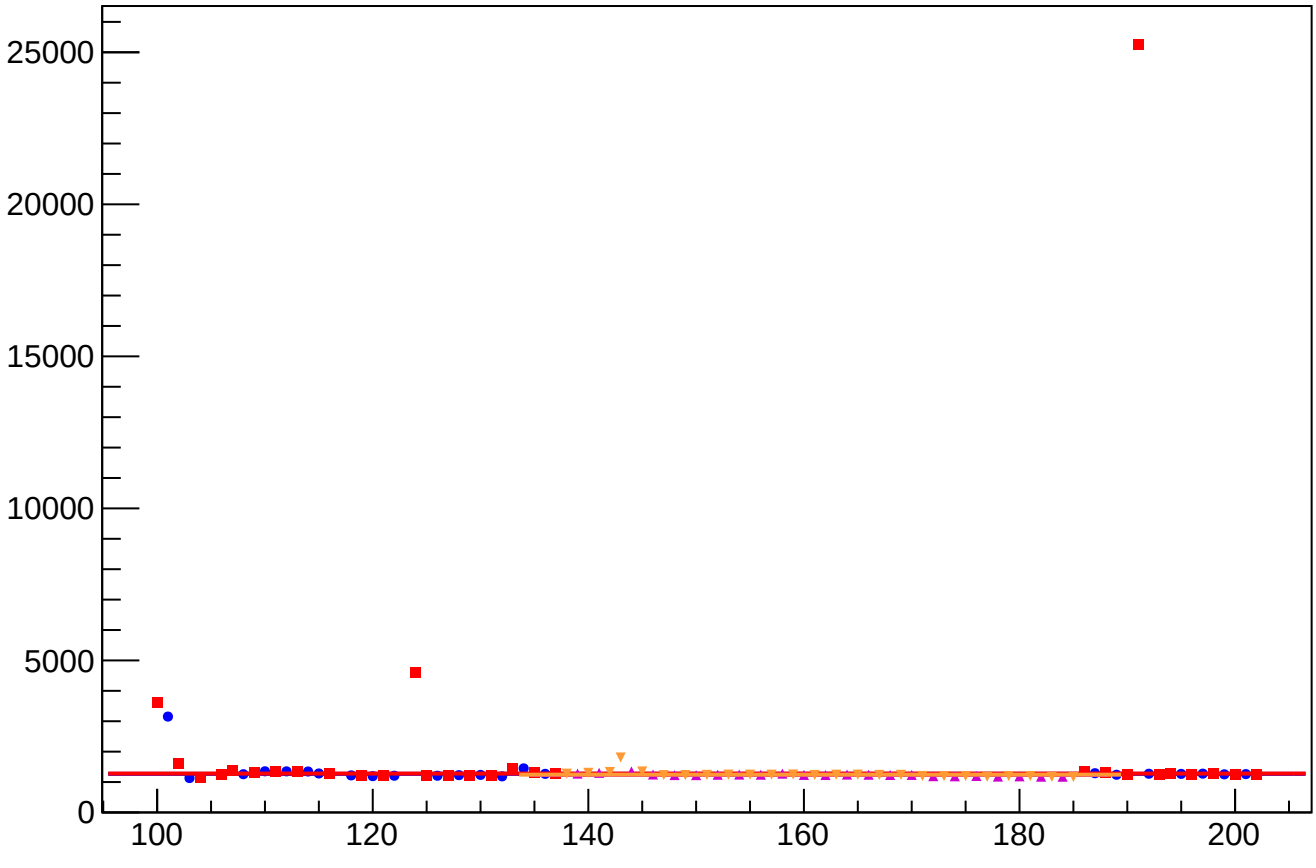
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -170.306+/-249.742 χ^2/NDF: 51.0/51

In: 77.312+/-226.270 χ^2/NDF:35.7/45

Out: -385.708+/-218.111 χ^2/NDF:51.8/53

All: -162.696+/-157.033 χ^2/NDF: 89.7/99



Right In: 1269.262+/-0.258 χ^2/NDF: 520503.7/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.761+/-0.242 χ^2/NDF: 470376.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

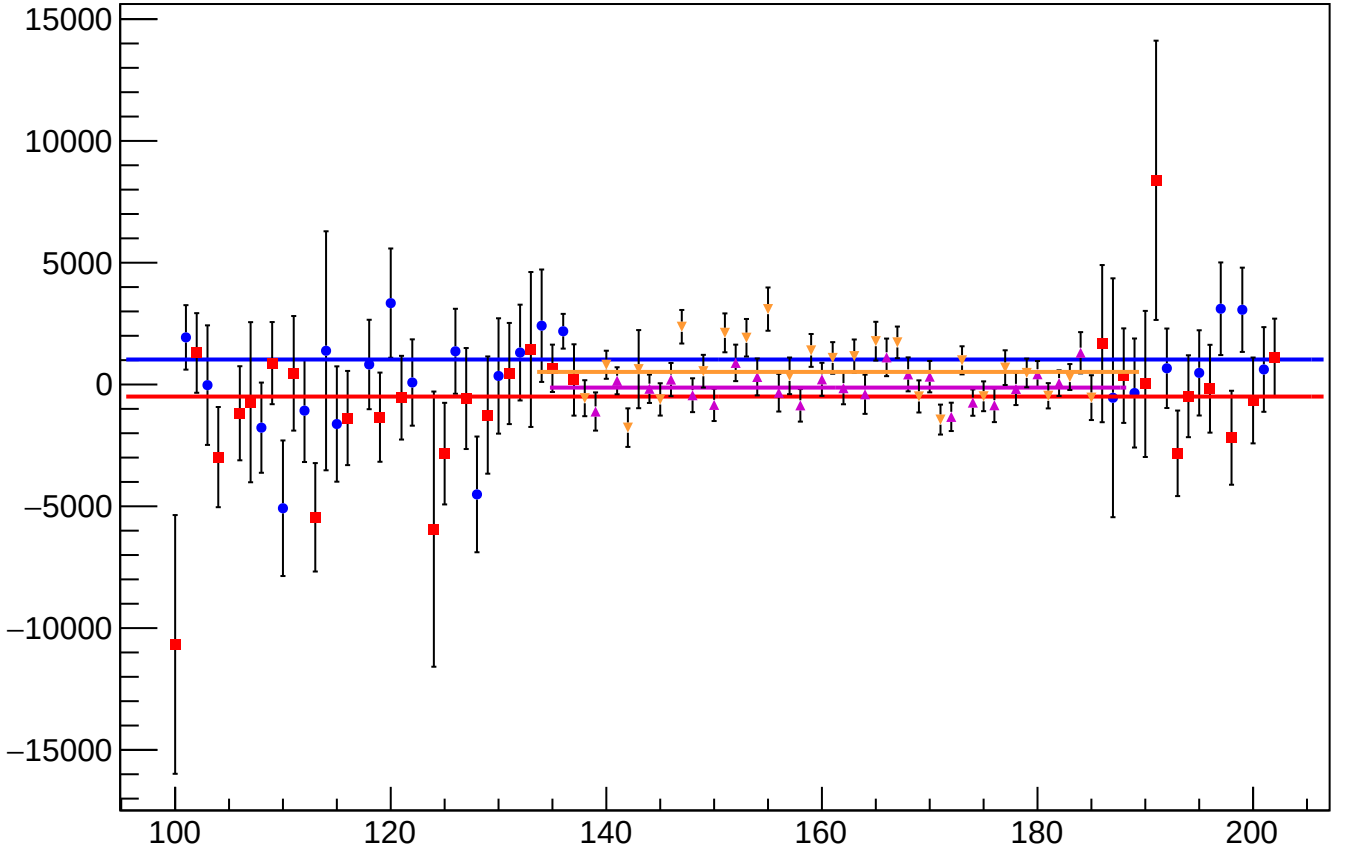
Right: 1274.321+/-0.177 χ^2/NDF: 991600.5/51

In: 1247.376+/-0.160 χ^2/NDF:571433.5/45

Out: 1257.423+/-0.154 χ^2/NDF:686771.2/53

All: 1252.584+/-0.111 χ^2/NDF: 1260248.6/99

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 1026.648+/-367.611 χ^2/NDF: 23.2/22

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -494.846+/-361.782 χ^2/NDF: 23.8/28

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

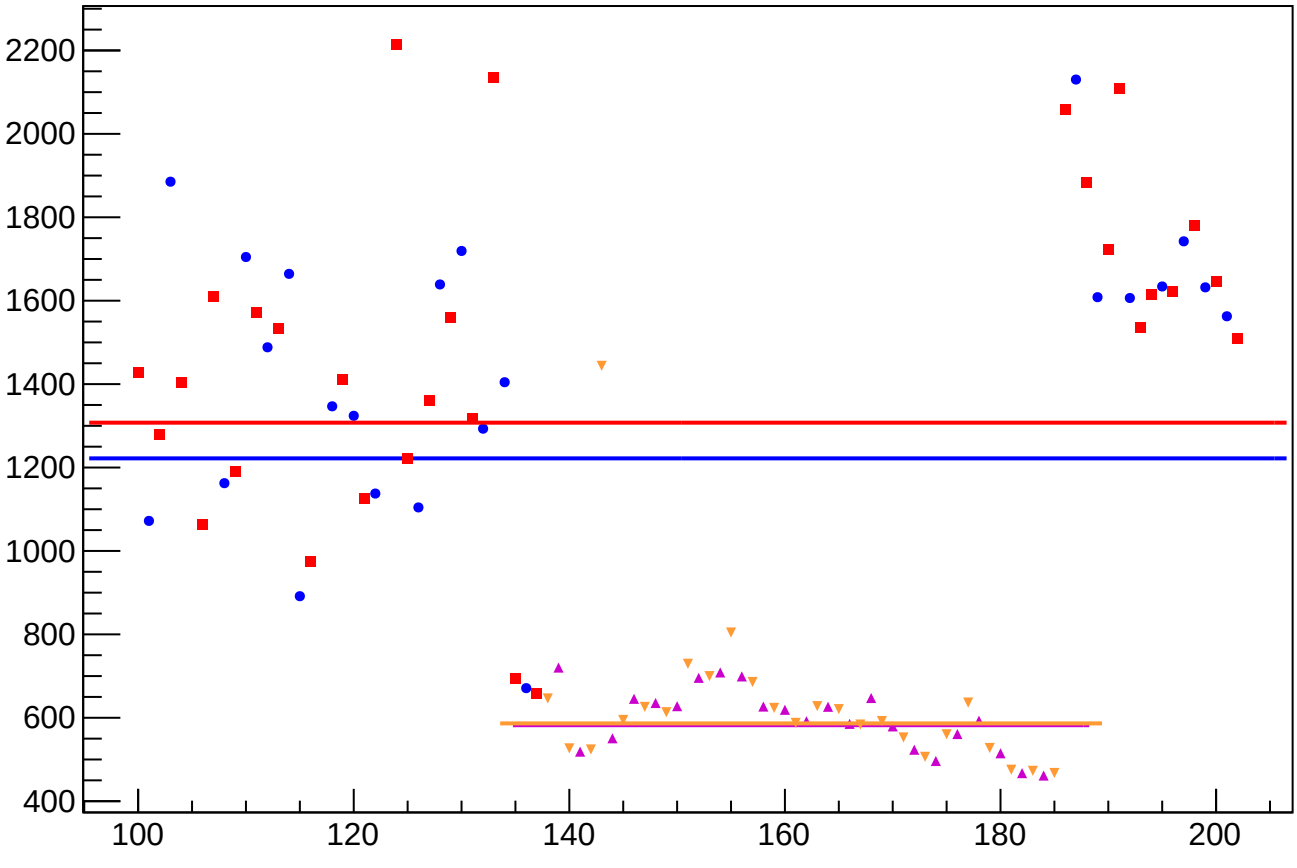
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 253.743+/-257.854 χ^2/NDF: 55.8/51

In: 14.547+/-128.594 χ^2/NDF:53.4/45

Out: 391.944+/-127.094 χ^2/NDF:97.7/53

All: 205.459+/-90.395 χ^2/NDF: 155.5/99



Right In: 1221.964+/-0.260 χ^2/NDF: 2396614.3/22

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1307.558+/-0.256 χ^2/NDF: 2350254.8/28

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

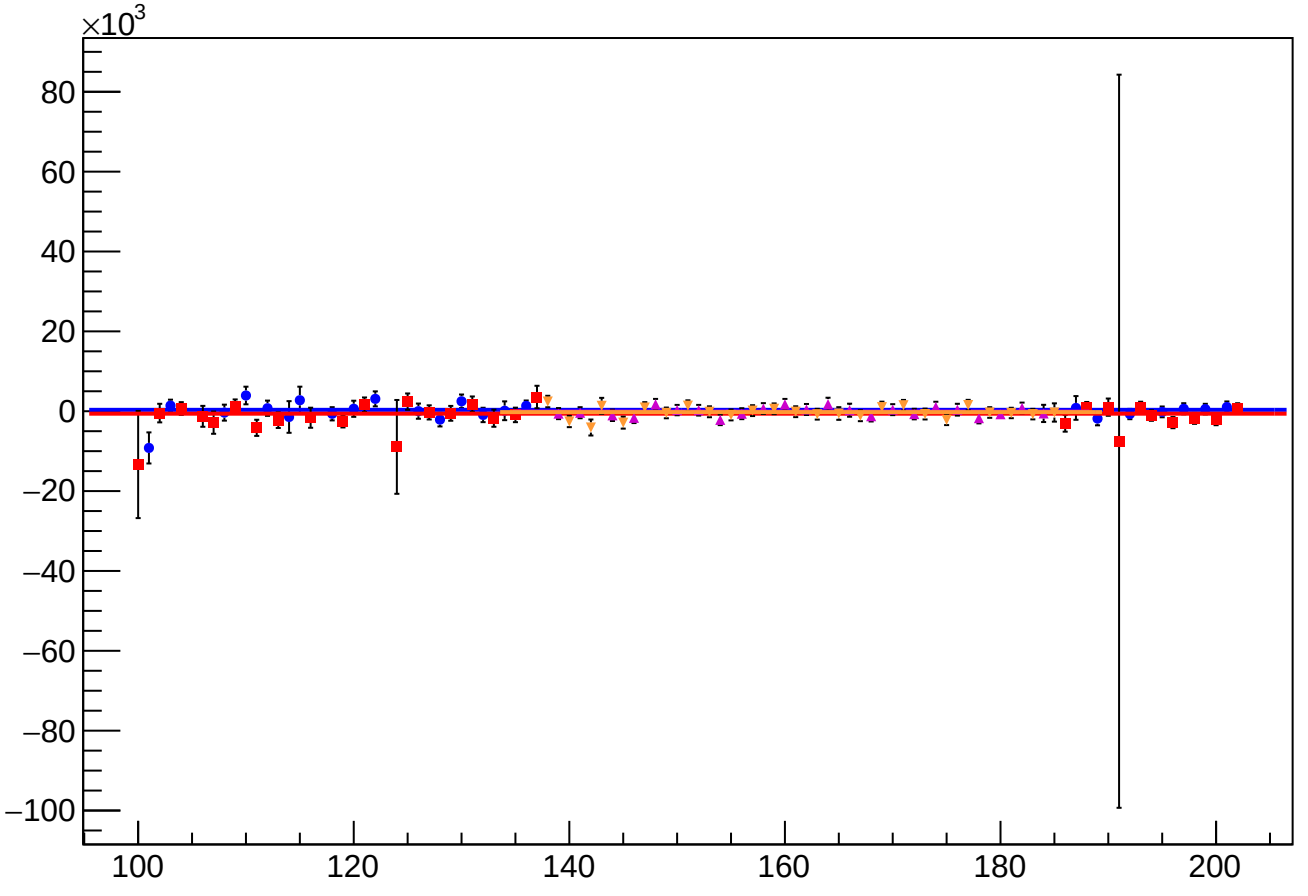
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1265.445+/-0.182 χ^2/NDF: 4801949.0/51

In: 660.478+/-0.091 χ^2/NDF:8272300.7/45

Out: 675.537+/-0.090 χ^2/NDF:10516285.3/53

All: 668.096+/-0.064 χ^2/NDF: 18802462.0/99



Right In: 350.182+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -616.661+/-342.503 χ^2/NDF: 27.0/28

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

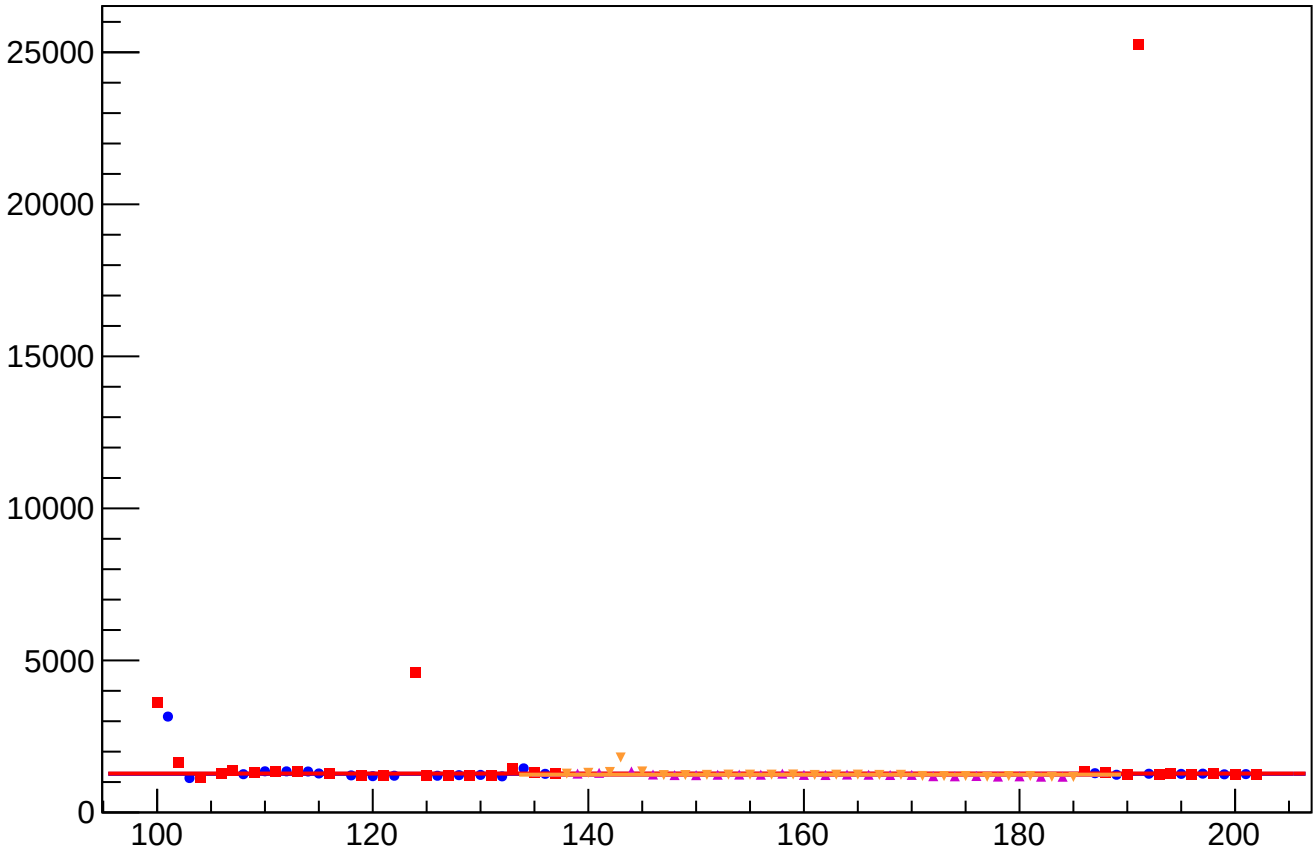
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -164.348+/-249.857 χ^2/NDF: 50.8/51

In: 77.360+/-226.270 χ^2/NDF:35.7/45

Out: -381.421+/-218.188 χ^2/NDF:51.7/53

All: -160.371+/-157.062 χ^2/NDF: 89.5/99



Right In: 1269.262+/-0.258 χ^2/NDF: 520505.1/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

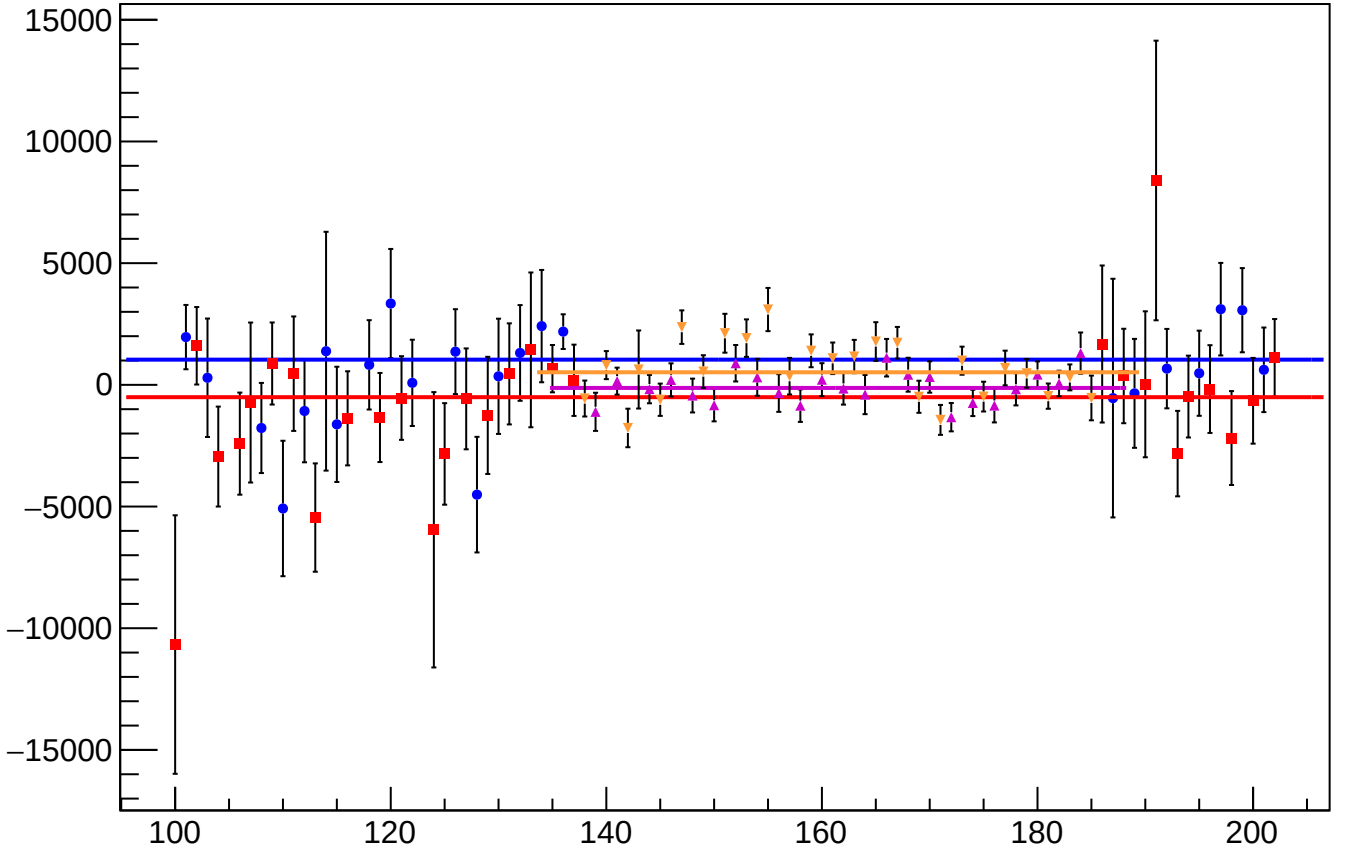
Right: 1274.931+/-0.177 χ^2/NDF: 998607.6/51

In: 1247.376+/-0.160 χ^2/NDF:571434.8/45

Out: 1257.876+/-0.154 χ^2/NDF:694431.6/53

All: 1252.817+/-0.111 χ^2/NDF: 1268098.1/99

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

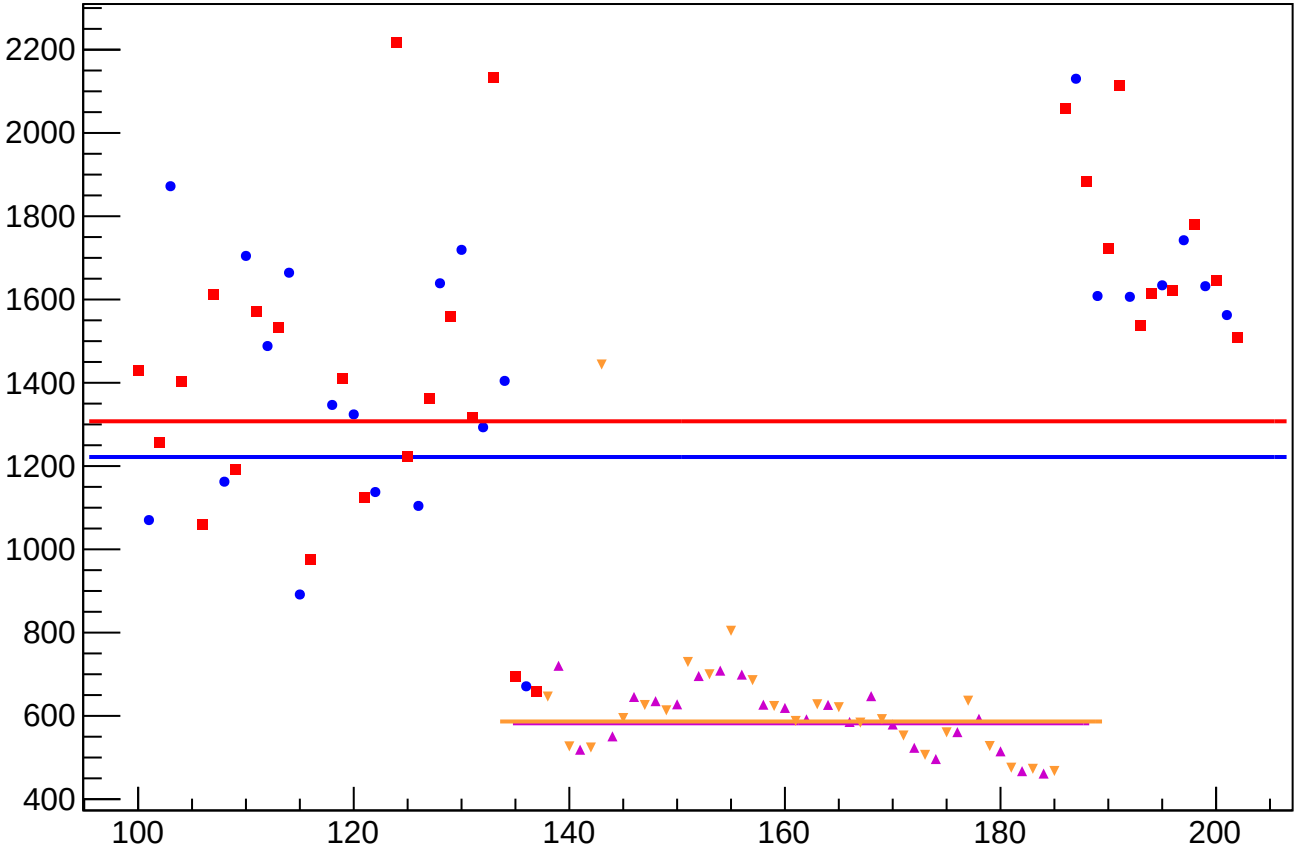
Right: 253.600+/-257.988 χ^2/NDF: 57.1/51

In: 15.764+/-128.589 χ^2/NDF:53.5/45

Out: 390.813+/-127.115 χ^2/NDF:99.1/53

All: 205.450+/-90.401 χ^2/NDF: 156.9/99

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

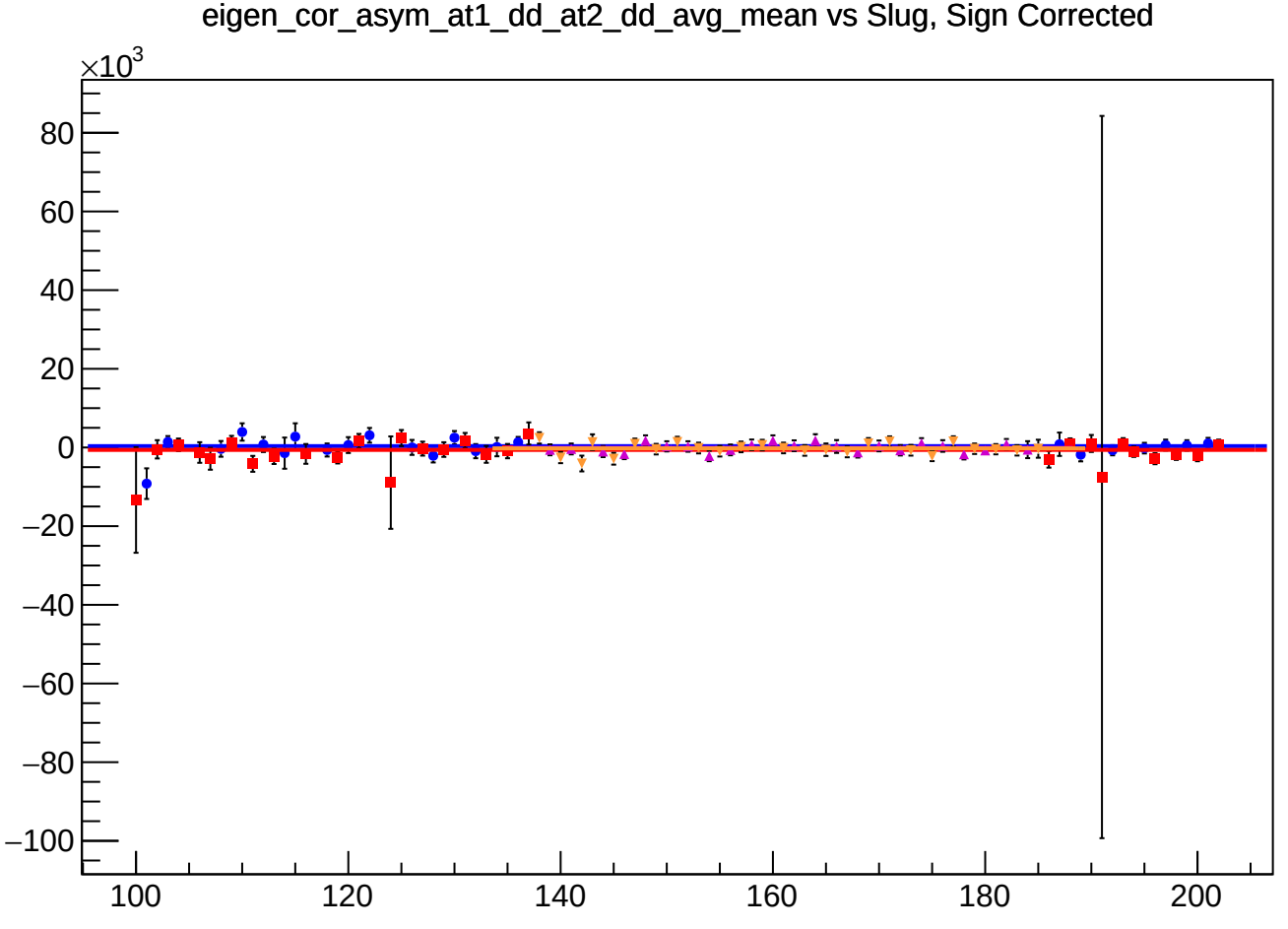
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1265.246+/-0.182 χ^2/NDF: 4797054.5/51

In: 660.490+/-0.091 χ^2/NDF:8268687.7/45

Out: 675.333+/-0.090 χ^2/NDF:10497018.7/53

All: 667.997+/-0.064 χ^2/NDF: 18779183.9/99



Right In: 350.182+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -616.661+/-342.503 χ^2/NDF: 27.0/28

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

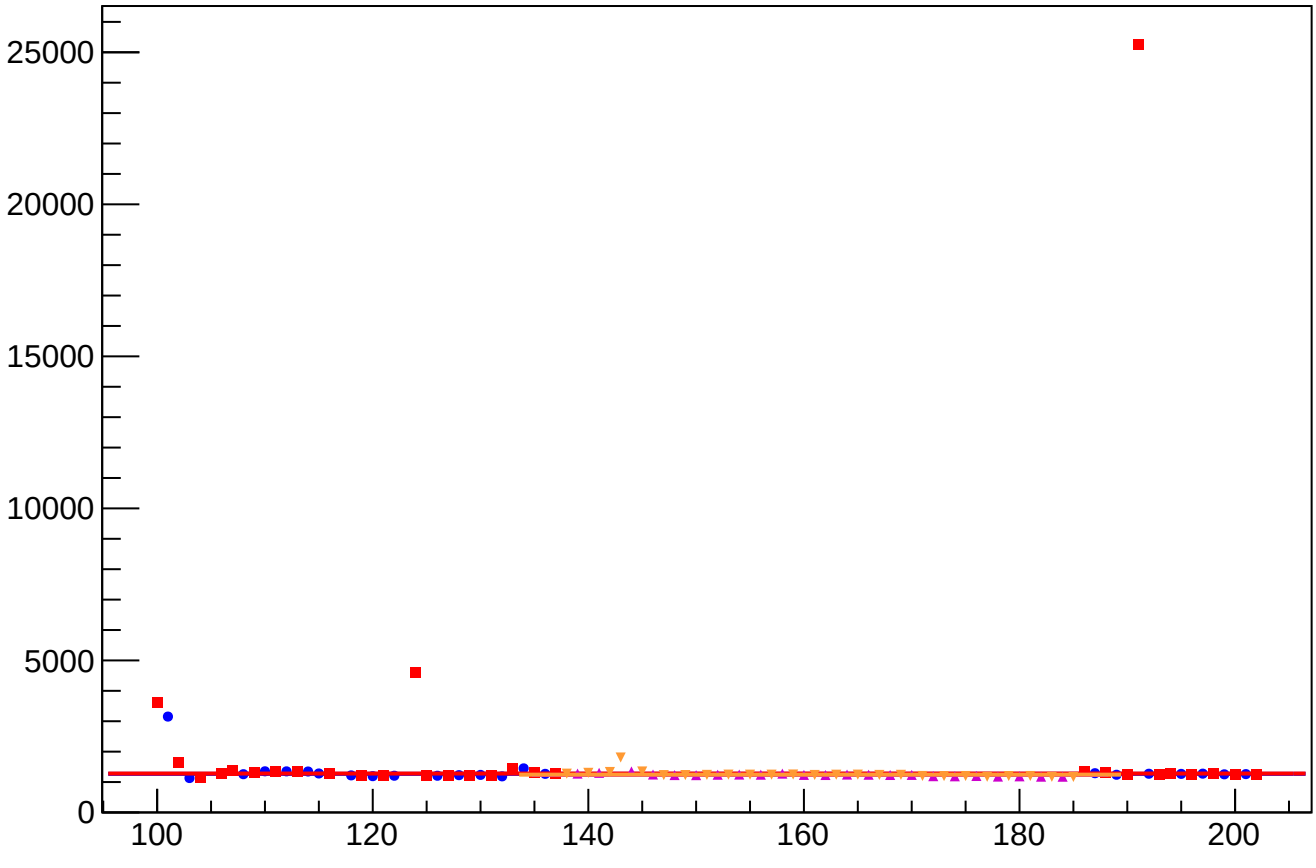
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -164.348+/-249.857 χ^2/NDF: 50.8/51

In: 77.360+/-226.270 χ^2/NDF:35.7/45

Out: -381.421+/-218.188 χ^2/NDF:51.7/53

All: -160.371+/-157.062 χ^2/NDF: 89.5/99



Right In: 1269.262+/-0.258 χ^2/NDF: 520505.1/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

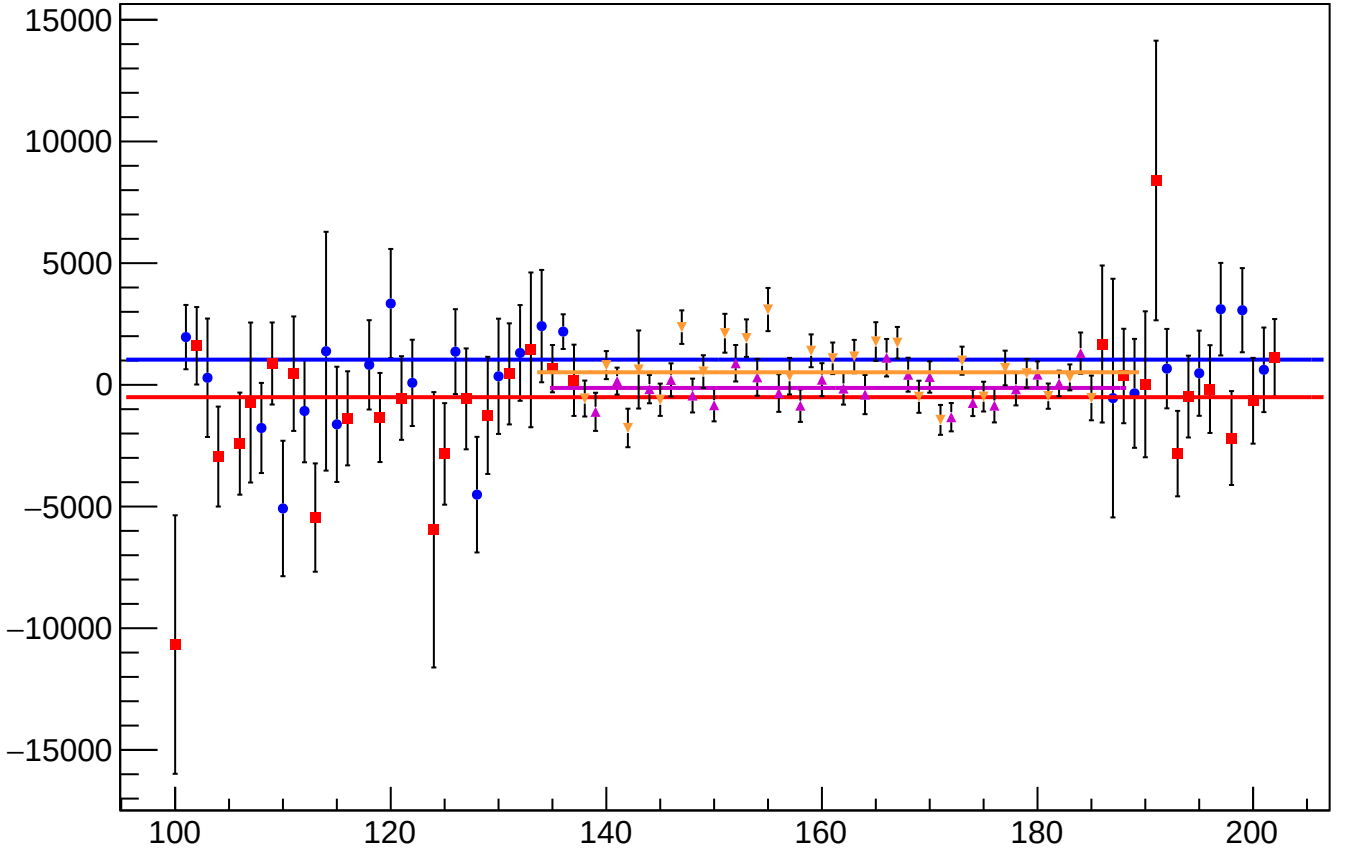
Right: 1274.931+/-0.177 χ^2/NDF: 998607.6/51

In: 1247.376+/-0.160 χ^2/NDF:571434.8/45

Out: 1257.876+/-0.154 χ^2/NDF:694431.6/53

All: 1252.817+/-0.111 χ^2/NDF: 1268098.1/99

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

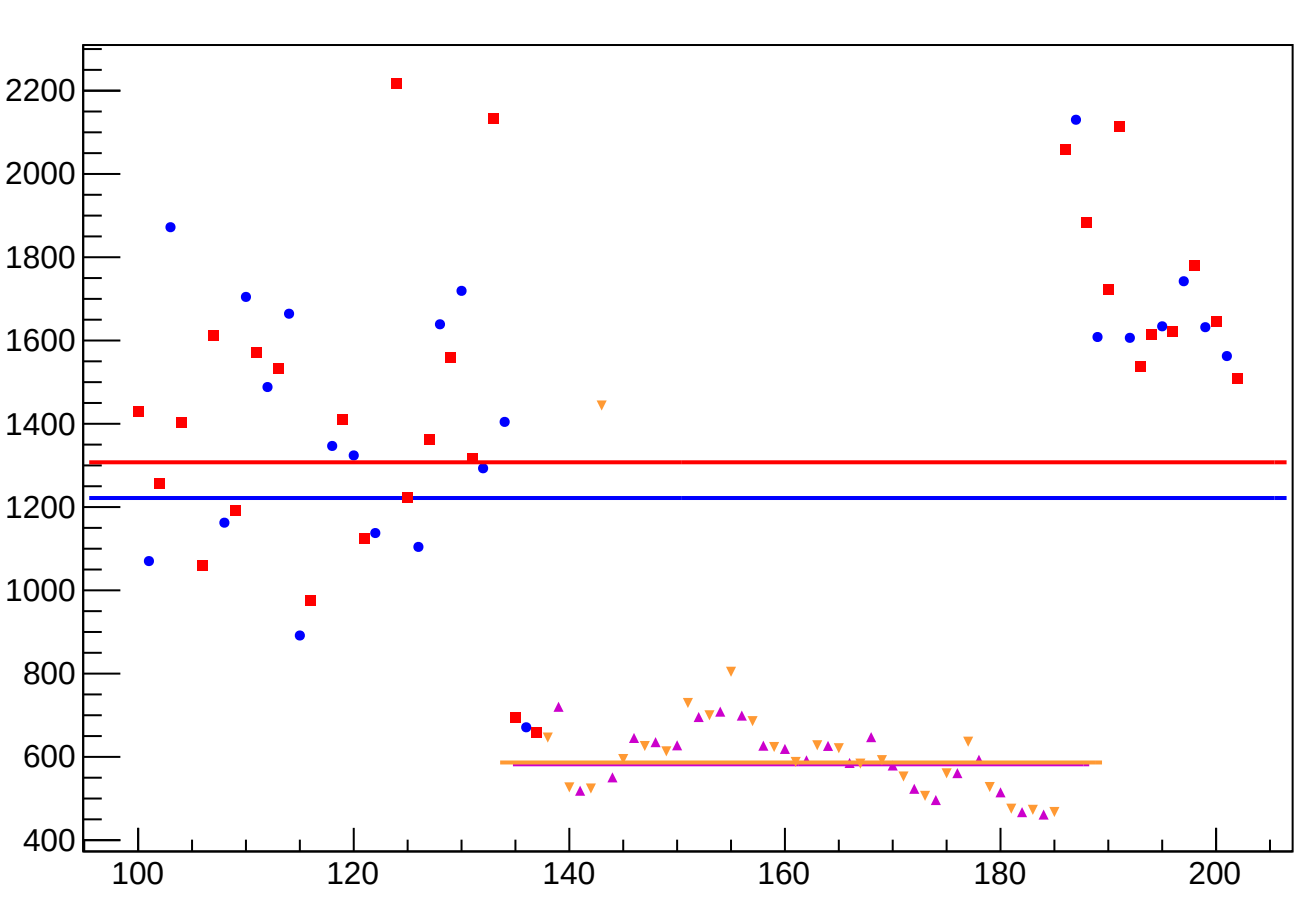
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 253.600+/-257.988 χ^2/NDF: 57.1/51

In: 15.764+/-128.589 χ^2/NDF:53.5/45

Out: 390.813+/-127.115 χ^2/NDF:99.1/53

All: 205.450+/-90.401 χ^2/NDF: 156.9/99



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

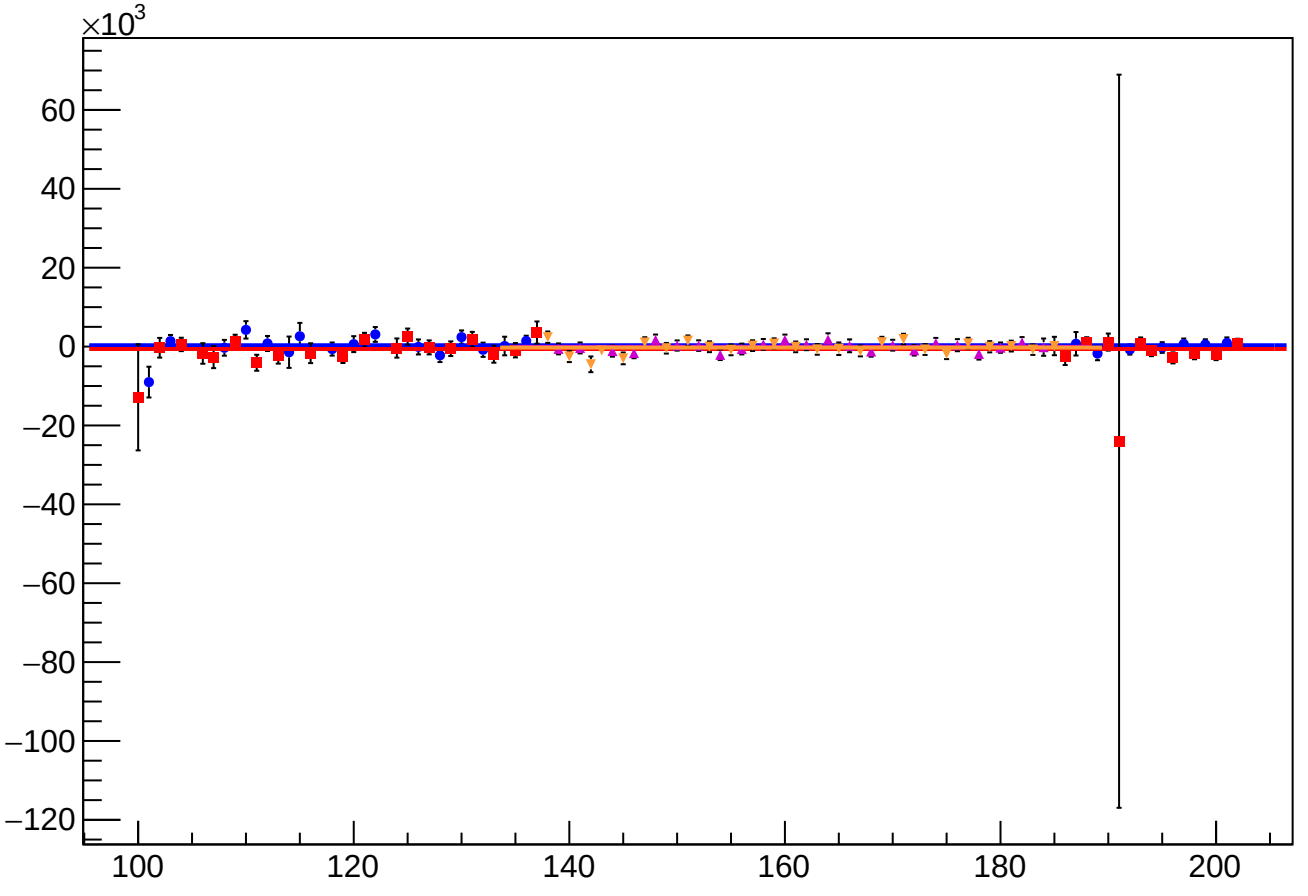
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1265.246+/-0.182 χ^2/NDF: 4797054.5/51

In: 660.490+/-0.091 χ^2/NDF:8268687.7/45

Out: 675.333+/-0.090 χ^2/NDF:10497018.7/53

All: 667.997+/-0.064 χ^2/NDF: 18779183.9/99



Right In: 336.141+/-366.892 χ^2/NDF: 20.0/22

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -607.818+/-341.280 χ^2/NDF: 26.5/28

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

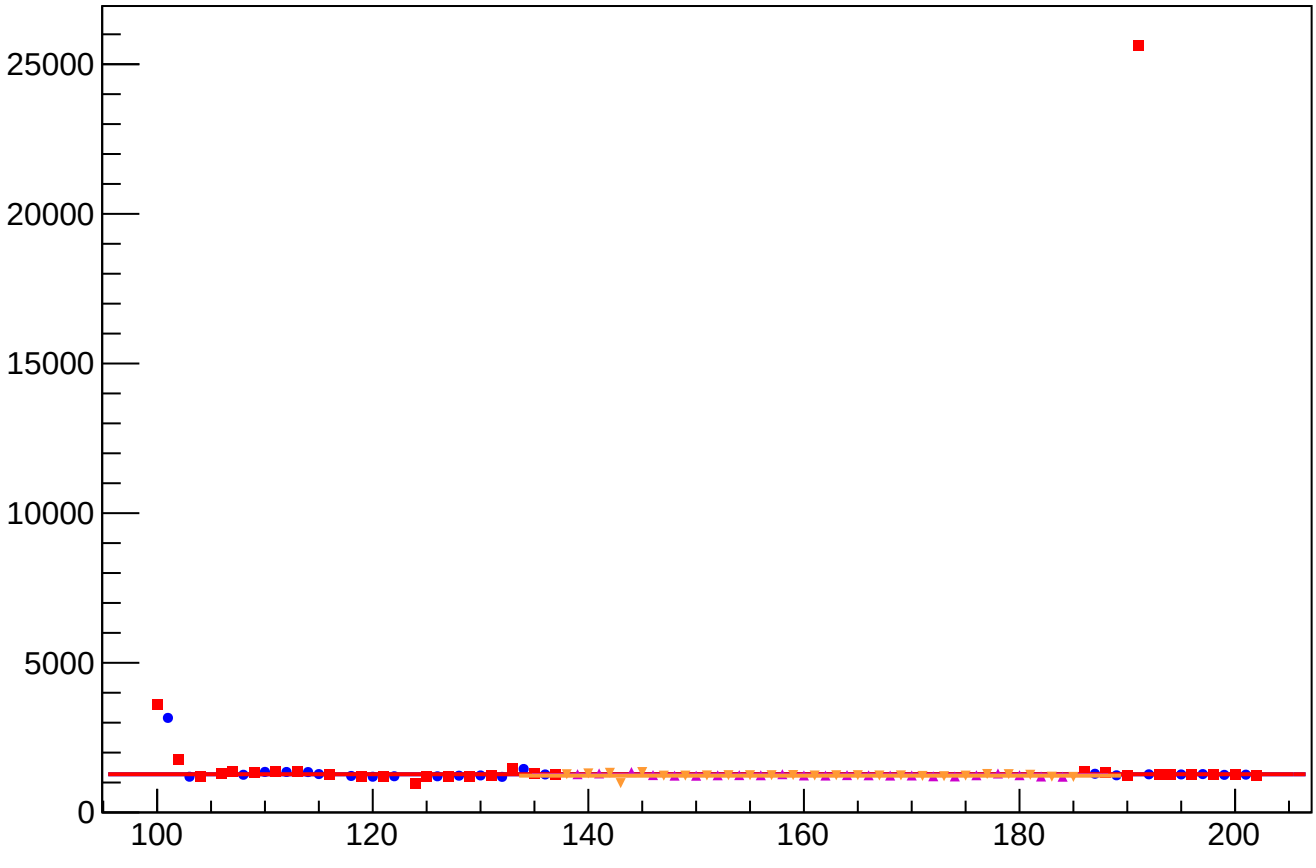
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -169.935+/-249.886 χ^2/NDF: 50.1/51

In: 84.145+/-228.213 χ^2/NDF:34.8/45

Out: -394.416+/-216.432 χ^2/NDF:51.2/53

All: -167.806+/-157.040 χ^2/NDF: 88.3/99



Right In: 1275.075+/-0.259 χ^2/NDF: 508917.7/22

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.3/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

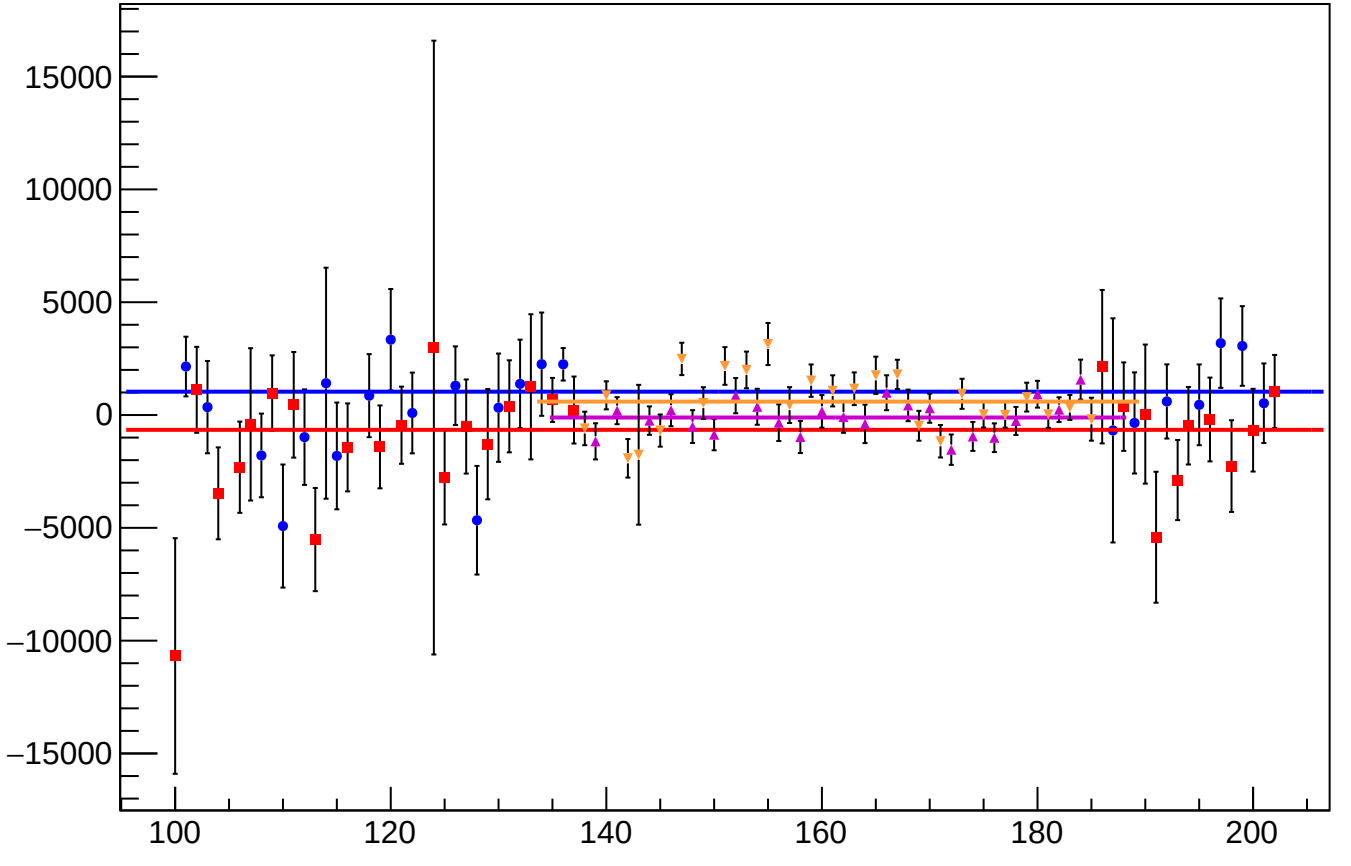
Right: 1276.403+/-0.177 χ^2/NDF: 878891.9/51

In: 1258.344+/-0.161 χ^2/NDF:543042.6/45

Out: 1249.116+/-0.153 χ^2/NDF:534758.5/53

All: 1253.486+/-0.111 χ^2/NDF: 1079522.6/99

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 1034.739+/-368.861 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -656.432+/-366.987 χ^2/NDF: 24.2/28

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

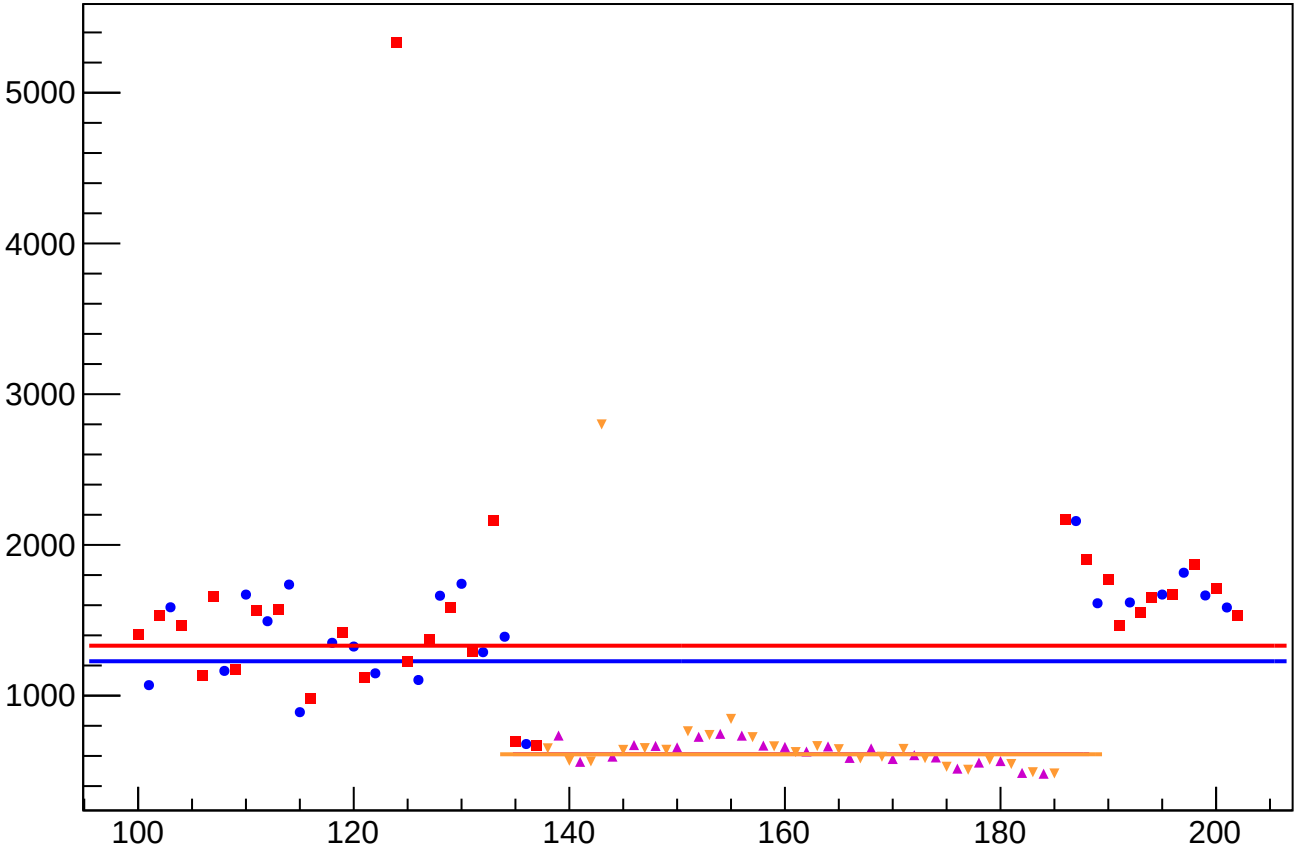
Right: 184.846+/-260.159 χ^2/NDF: 58.5/51

In: 41.597+/-134.328 χ^2/NDF:57.8/45

Out: 431.776+/-132.538 χ^2/NDF:91.6/53

All: 239.304+/-94.345 χ^2/NDF: 153.7/99

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1228.185+/-0.261 χ^2/NDF: 2335879.3/22

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1331.392+/-0.259 χ^2/NDF: 2561643.1/28

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

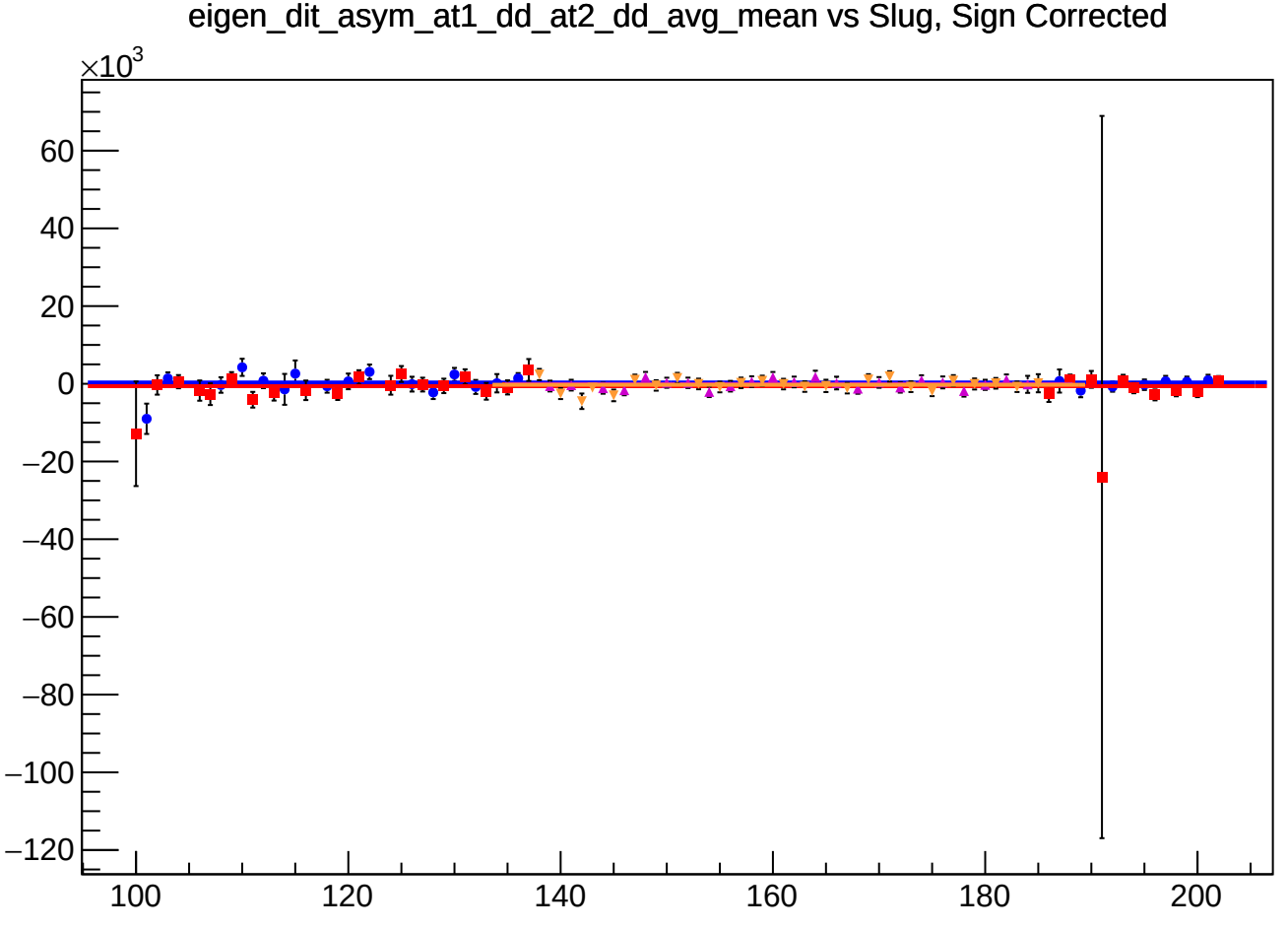
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1280.051+/-0.184 χ^2/NDF: 4976208.7/51

In: 694.064+/-0.095 χ^2/NDF:7679211.1/45

Out: 705.036+/-0.094 χ^2/NDF:10880829.2/53

All: 699.624+/-0.067 χ^2/NDF: 18566801.1/99



Right In: 336.142+/-366.892 χ^2/NDF: 20.0/22

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -607.819+/-341.280 χ^2/NDF: 26.5/28

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

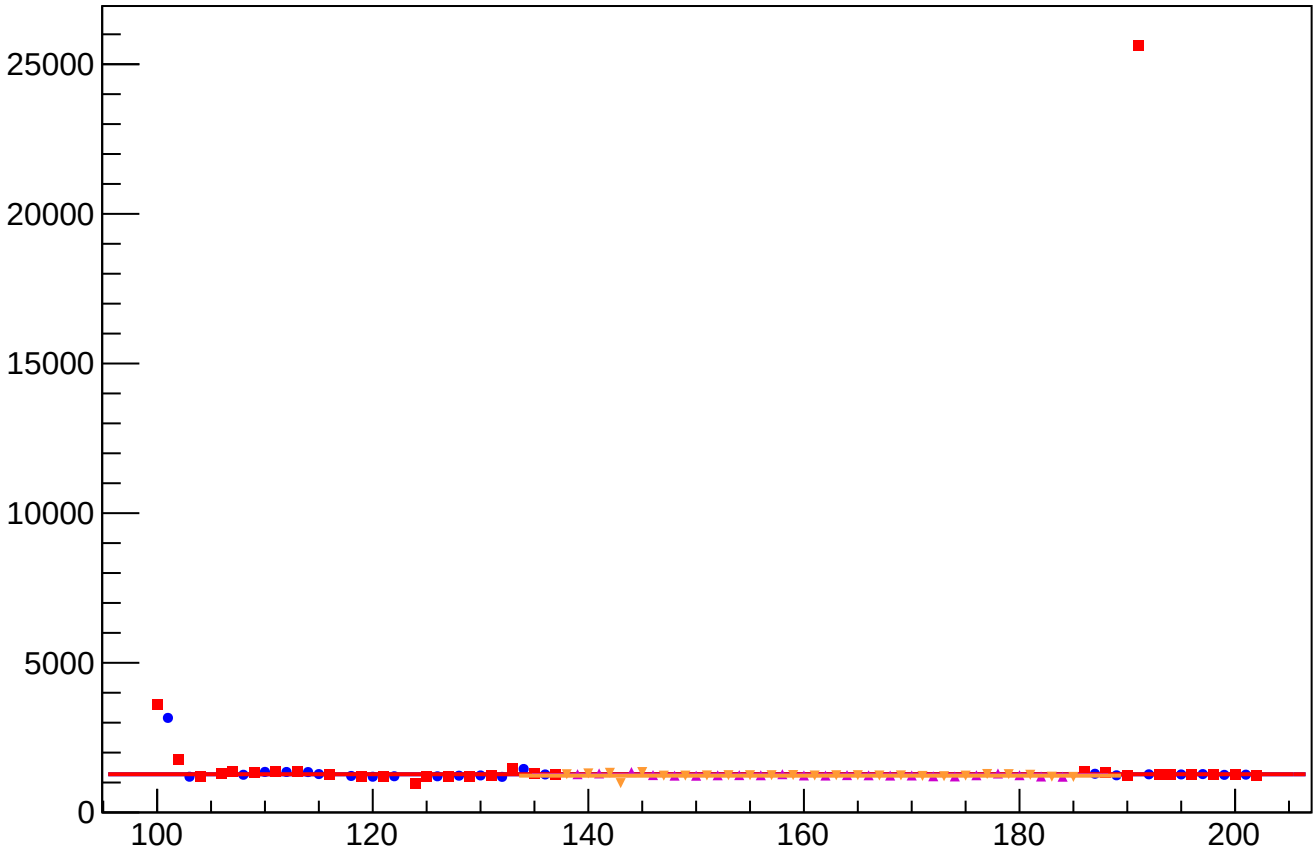
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -169.934+/-249.886 χ^2/NDF: 50.1/51

In: 84.145+/-228.213 χ^2/NDF:34.8/45

Out: -394.417+/-216.432 χ^2/NDF:51.2/53

All: -167.806+/-157.040 χ^2/NDF: 88.3/99



Right In: 1275.075+/-0.259 χ^2/NDF: 508917.8/22

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.2/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

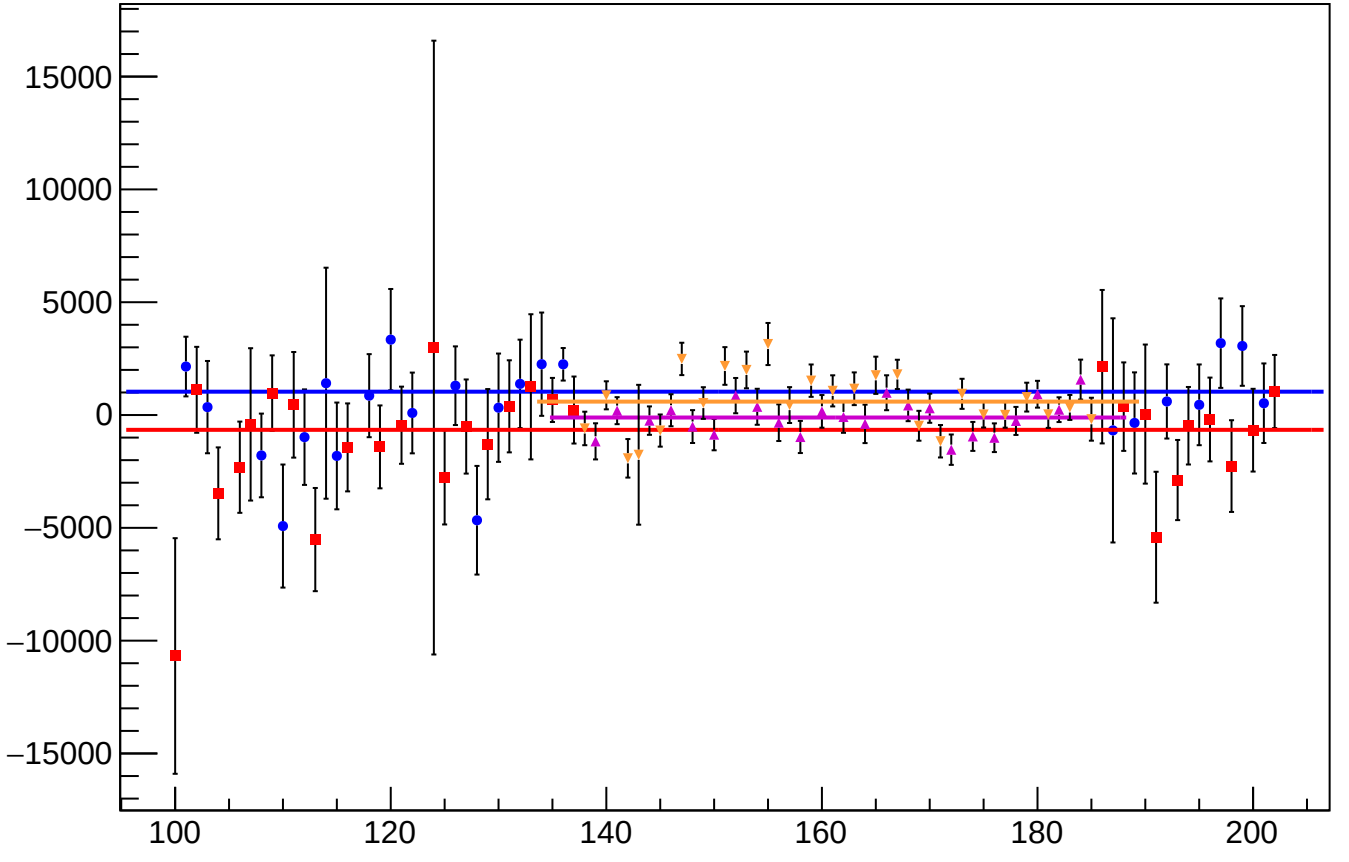
Right: 1276.403+/-0.177 χ^2/NDF: 878891.9/51

In: 1258.344+/-0.161 χ^2/NDF:543042.7/45

Out: 1249.116+/-0.153 χ^2/NDF:534757.5/53

All: 1253.486+/-0.111 χ^2/NDF: 1079521.6/99

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1034.736+/-368.862 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -656.442+/-366.988 χ^2/NDF: 24.2/28

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

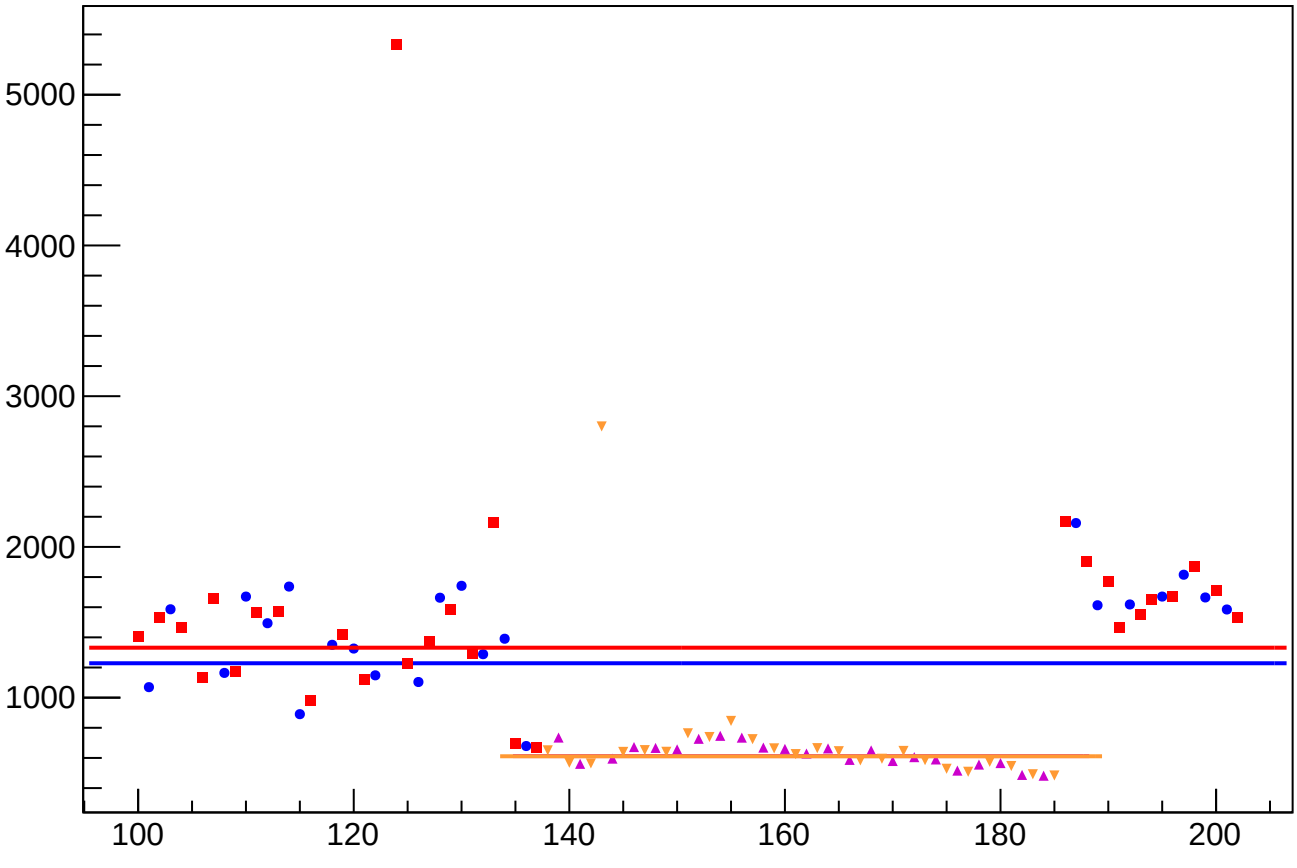
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 184.840+/-260.160 χ^2/NDF: 58.5/51

In: 41.596+/-134.328 χ^2/NDF:57.8/45

Out: 431.775+/-132.538 χ^2/NDF:91.6/53

All: 239.303+/-94.345 χ^2/NDF: 153.7/99



Right In: 1228.190+/-0.261 χ^2/NDF: 2335800.8/22

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1331.398+/-0.259 χ^2/NDF: 2561563.7/28

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

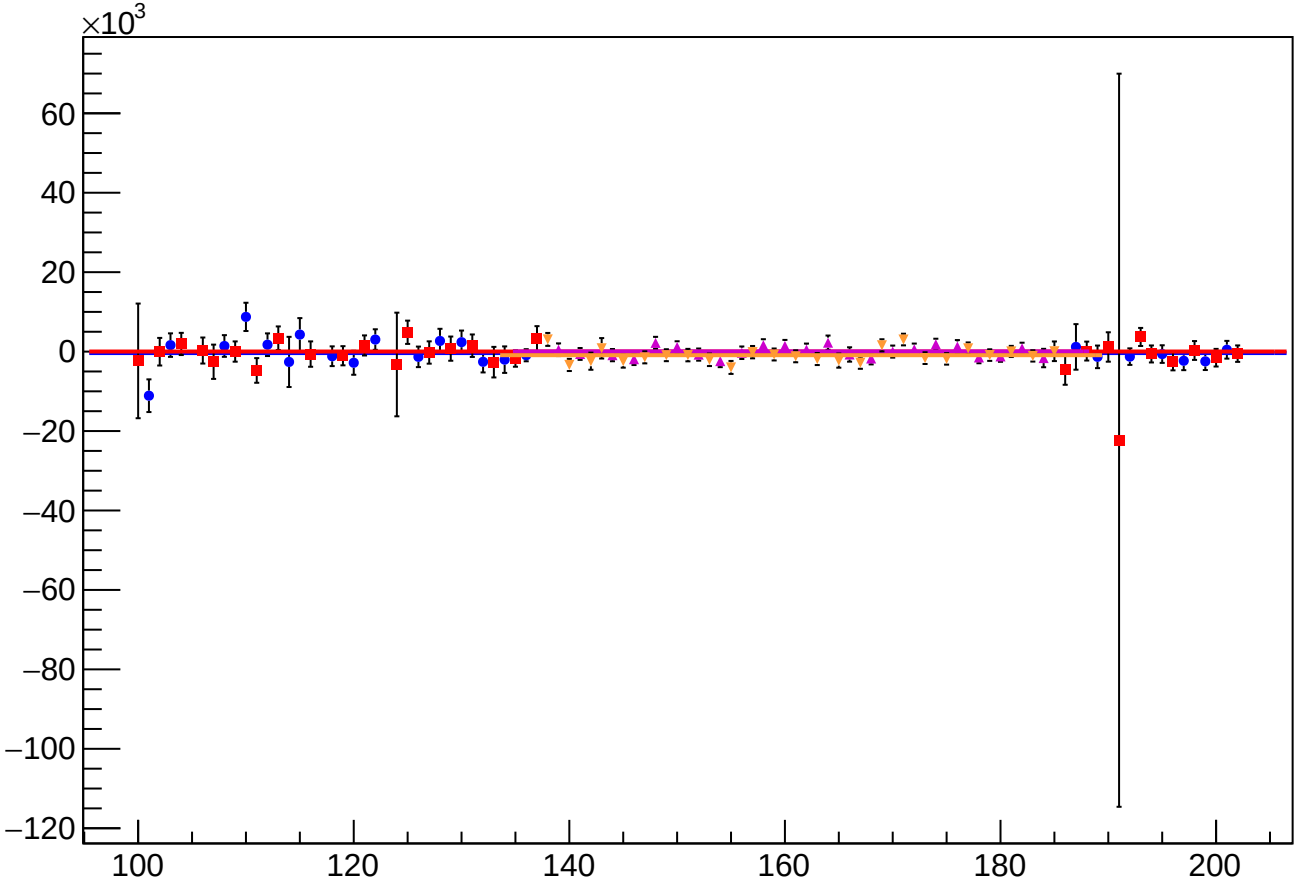
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1280.057+/-0.184 χ^2/NDF: 4976050.5/51

In: 694.064+/-0.095 χ^2/NDF:7679213.0/45

Out: 705.036+/-0.094 χ^2/NDF:10880828.0/53

All: 699.624+/-0.067 χ^2/NDF: 18566802.3/99



Right In: -363.999+/-556.927 χ^2/NDF: 23.8/22

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 24.195+/-528.888 χ^2/NDF: 16.4/28

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

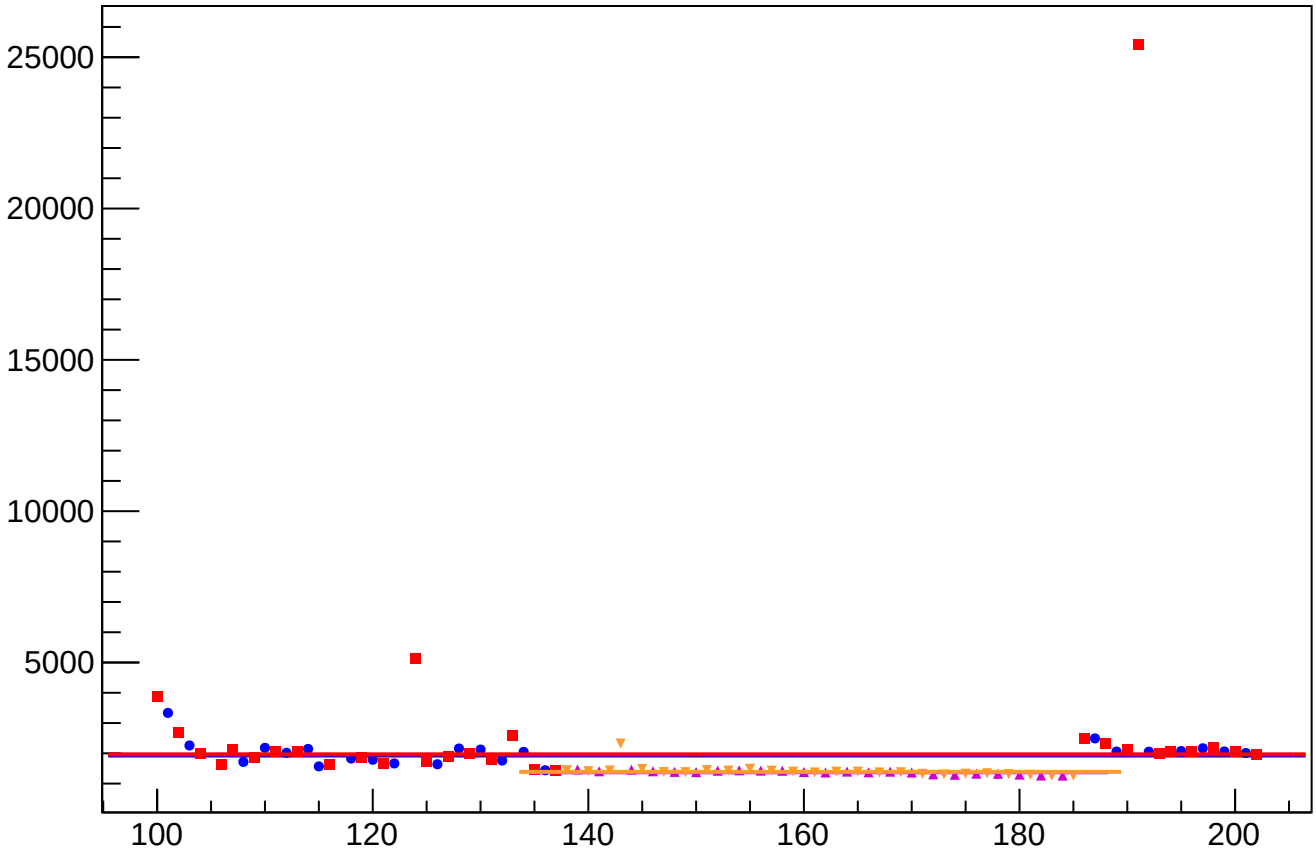
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -159.884+/-383.510 χ^2/NDF: 40.5/51

In: -54.572+/-278.065 χ^2/NDF:42.1/45

Out: -656.284+/-271.553 χ^2/NDF:48.4/53

All: -362.557+/-194.278 χ^2/NDF: 93.0/99



Right In: 1927.017+/-0.394 χ^2/NDF: 658971.7/22

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1966.264+/-0.374 χ^2/NDF: 814351.7/28

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

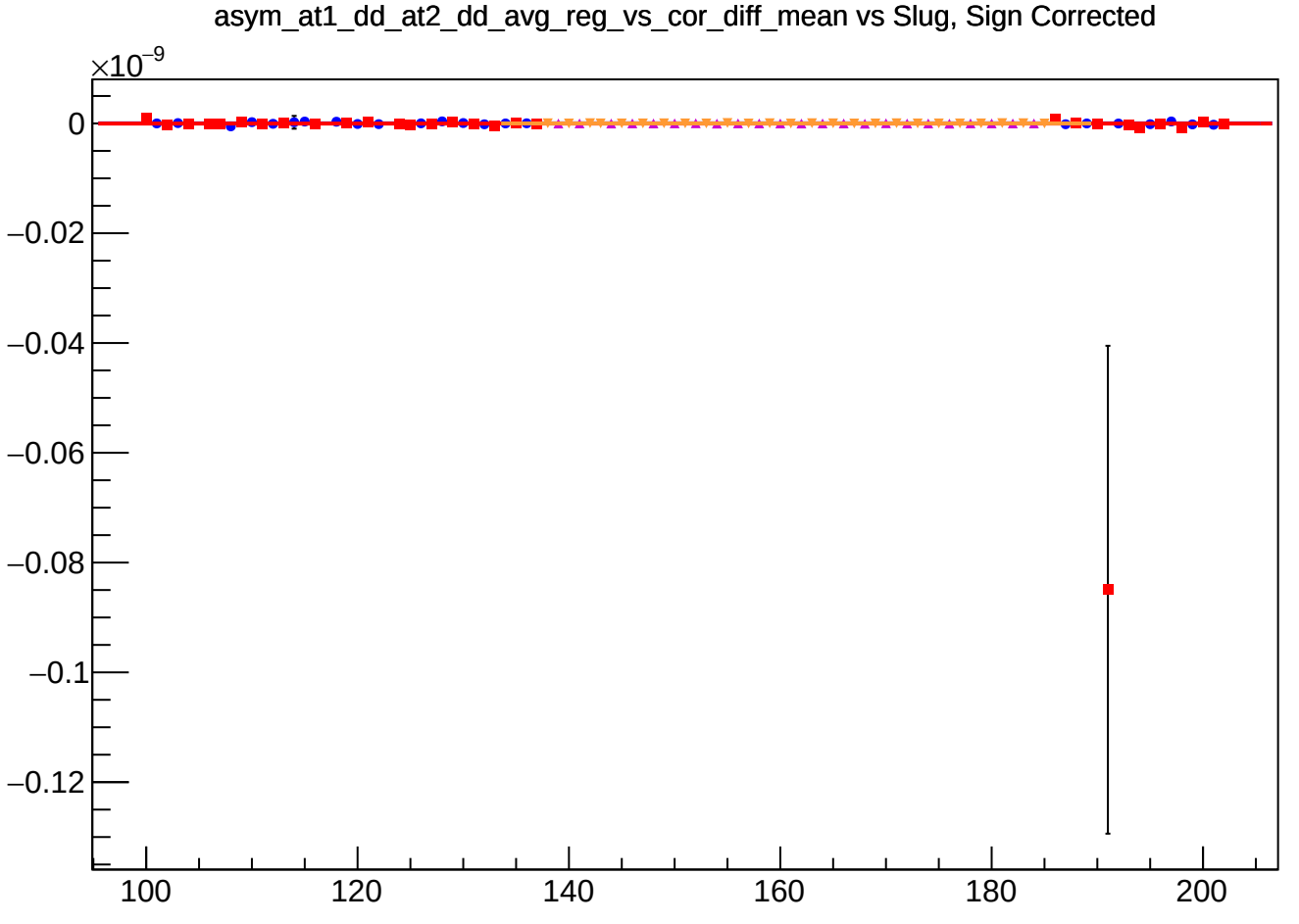
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1947.654+/-0.271 χ^2/NDF: 1478546.2/51

In: 1511.271+/-0.197 χ^2/NDF:2208058.8/45

Out: 1539.594+/-0.192 χ^2/NDF:2921792.0/53

All: 1525.768+/-0.137 χ^2/NDF: 5140471.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/28

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

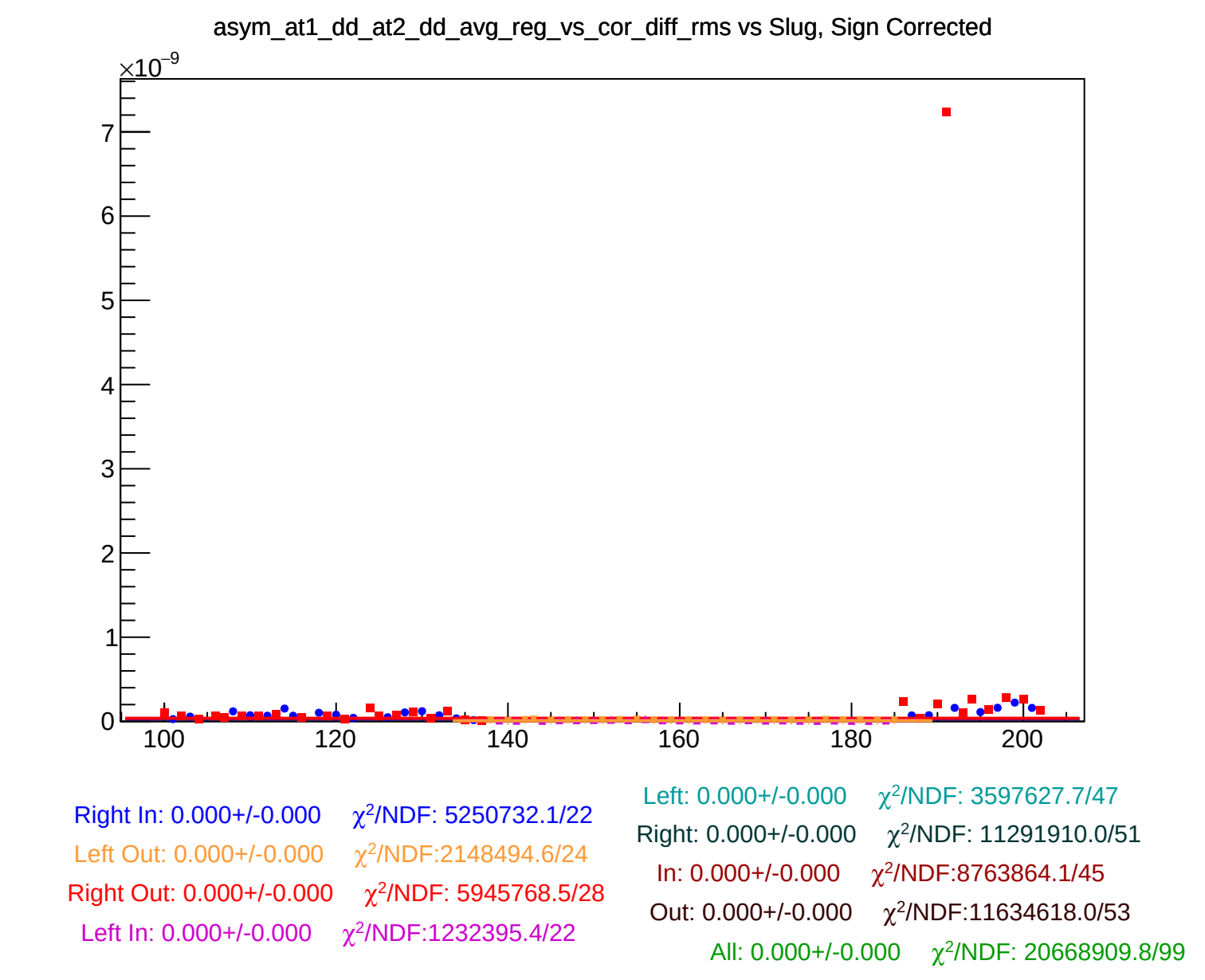
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 65.7/51

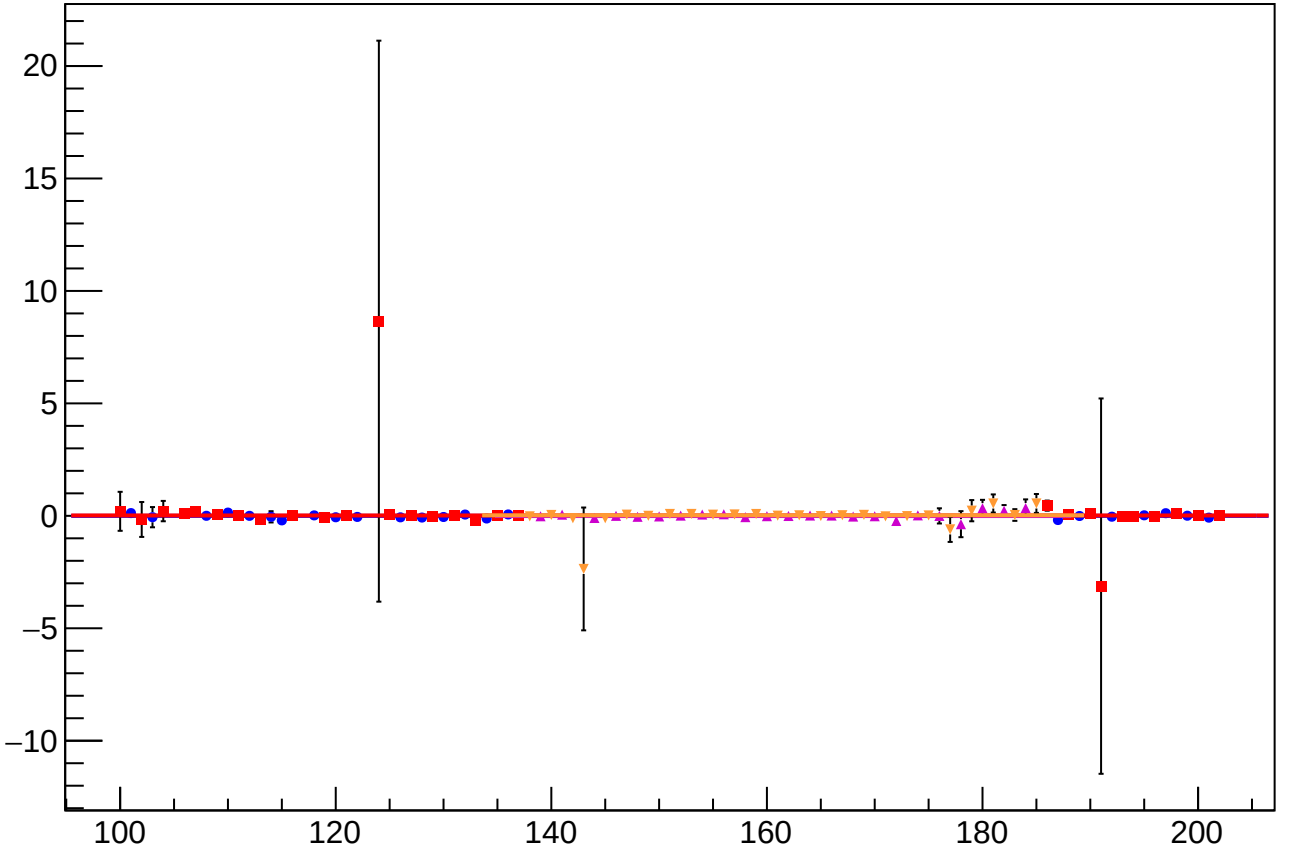
In: 0.000+/-0.000 χ^2/NDF:34.4/45

Out: 0.000+/-0.000 χ^2/NDF:69.7/53

All: 0.000+/-0.000 χ^2/NDF: 104.1/99


asym_at1_dd_at2_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 5250732.1/22
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5945768.5/28
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
Left: 0.000+/-0.000 χ²/NDF: 3597627.7/47
Right: 0.000+/-0.000 χ²/NDF: 11291910.0/51
In: 0.000+/-0.000 χ²/NDF:8763864.1/45
Out: 0.000+/-0.000 χ²/NDF:11634618.0/53
All: 0.000+/-0.000 χ²/NDF: 20668909.8/99

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

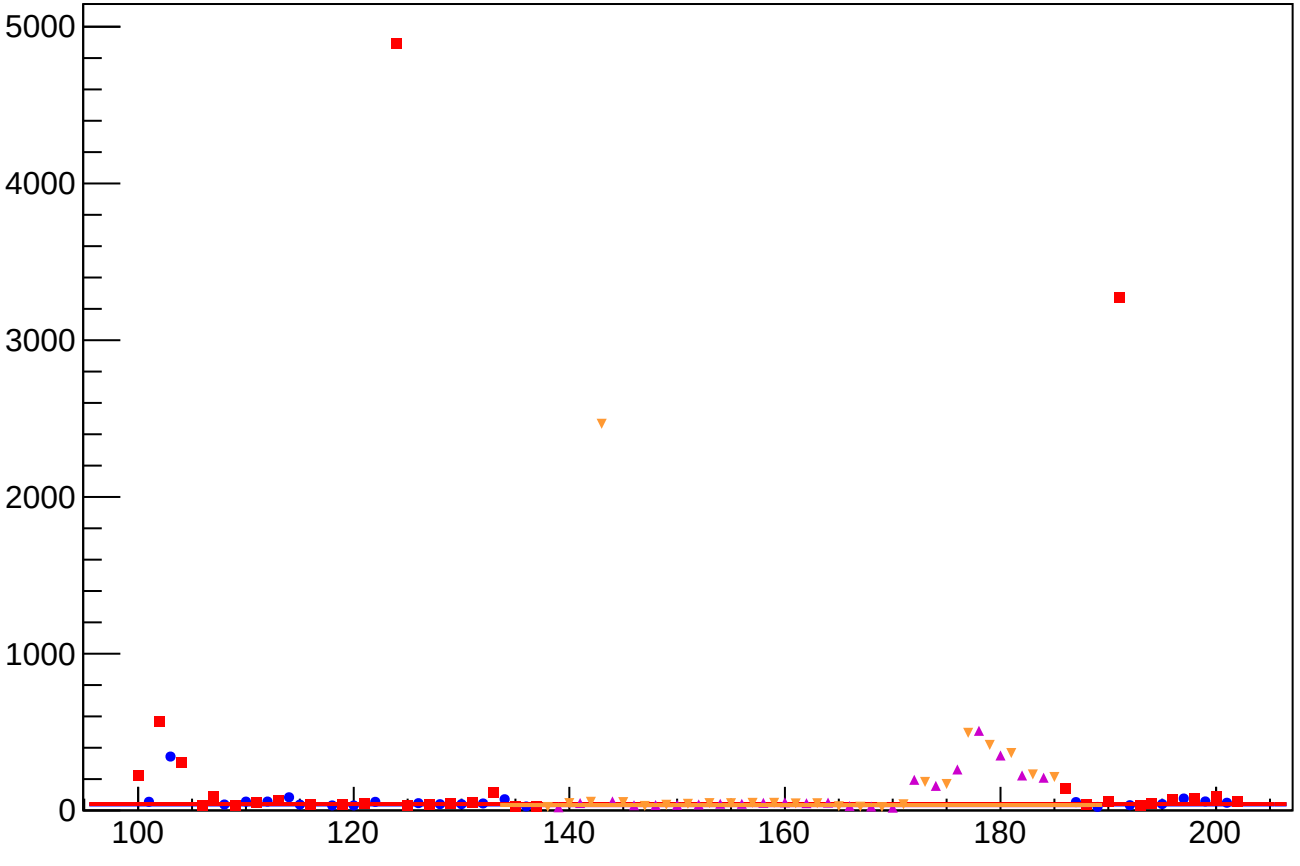
Right: 0.007+/-0.009 χ^2/NDF: 49.0/51

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.007+/-0.006 χ^2/NDF: 92.1/99

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

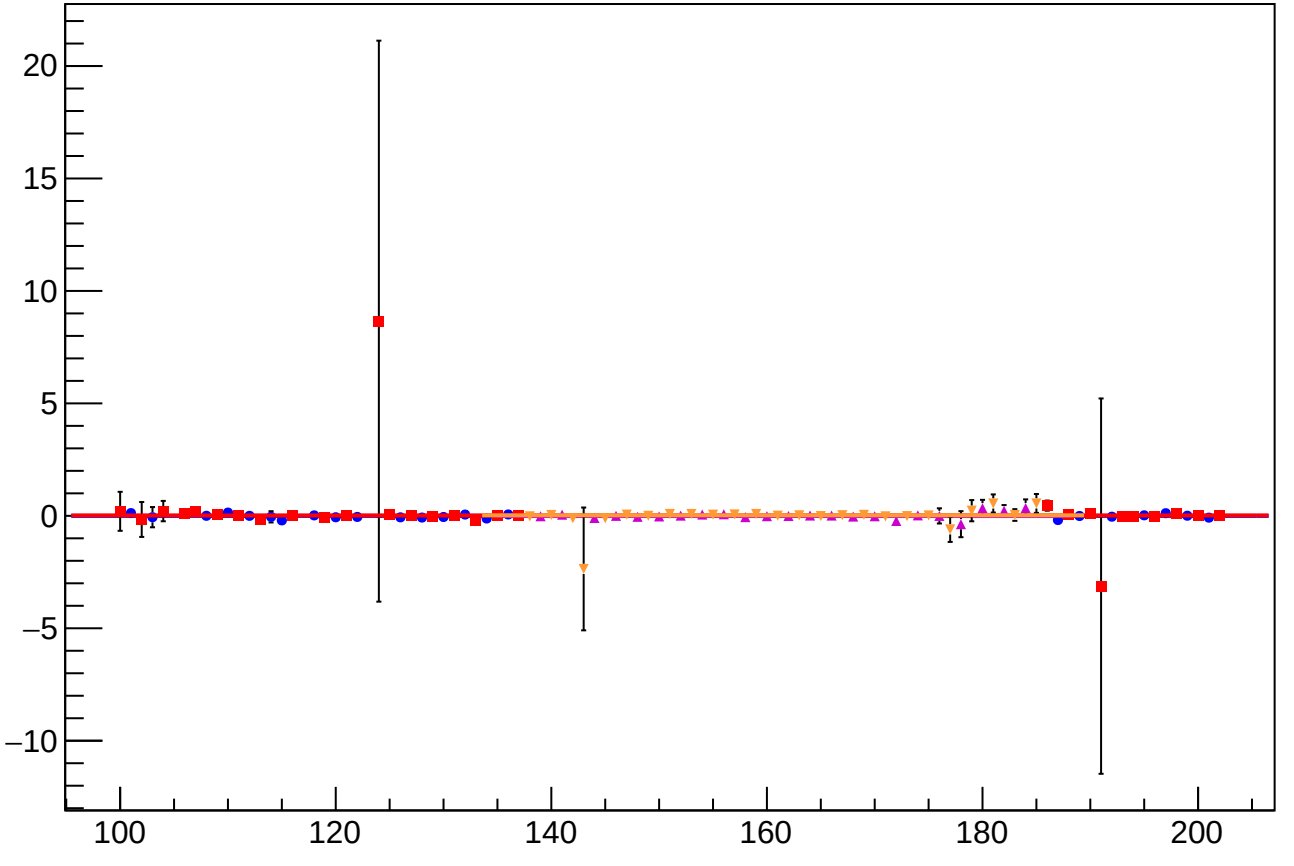
Right: 39.597+/-0.006 χ^2/NDF: 8387403.0/51

In: 35.345+/-0.006 χ^2/NDF:13188954.0/45

Out: 37.108+/-0.006 χ^2/NDF:17086472.3/53

All: 36.201+/-0.004 χ^2/NDF: 30325067.9/99

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

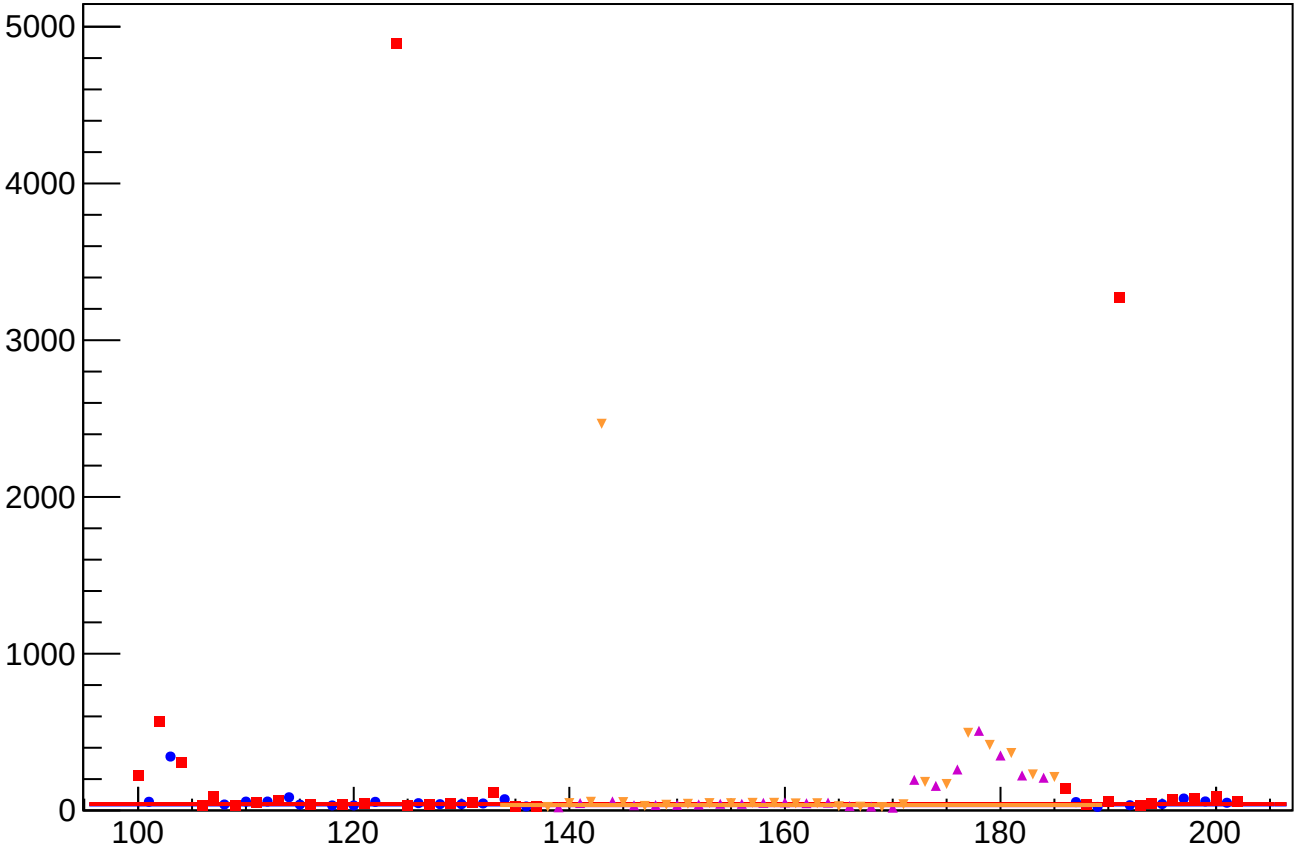
Right: 0.007+/-0.009 χ^2/NDF: 49.0/51

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.007+/-0.006 χ^2/NDF: 92.1/99

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

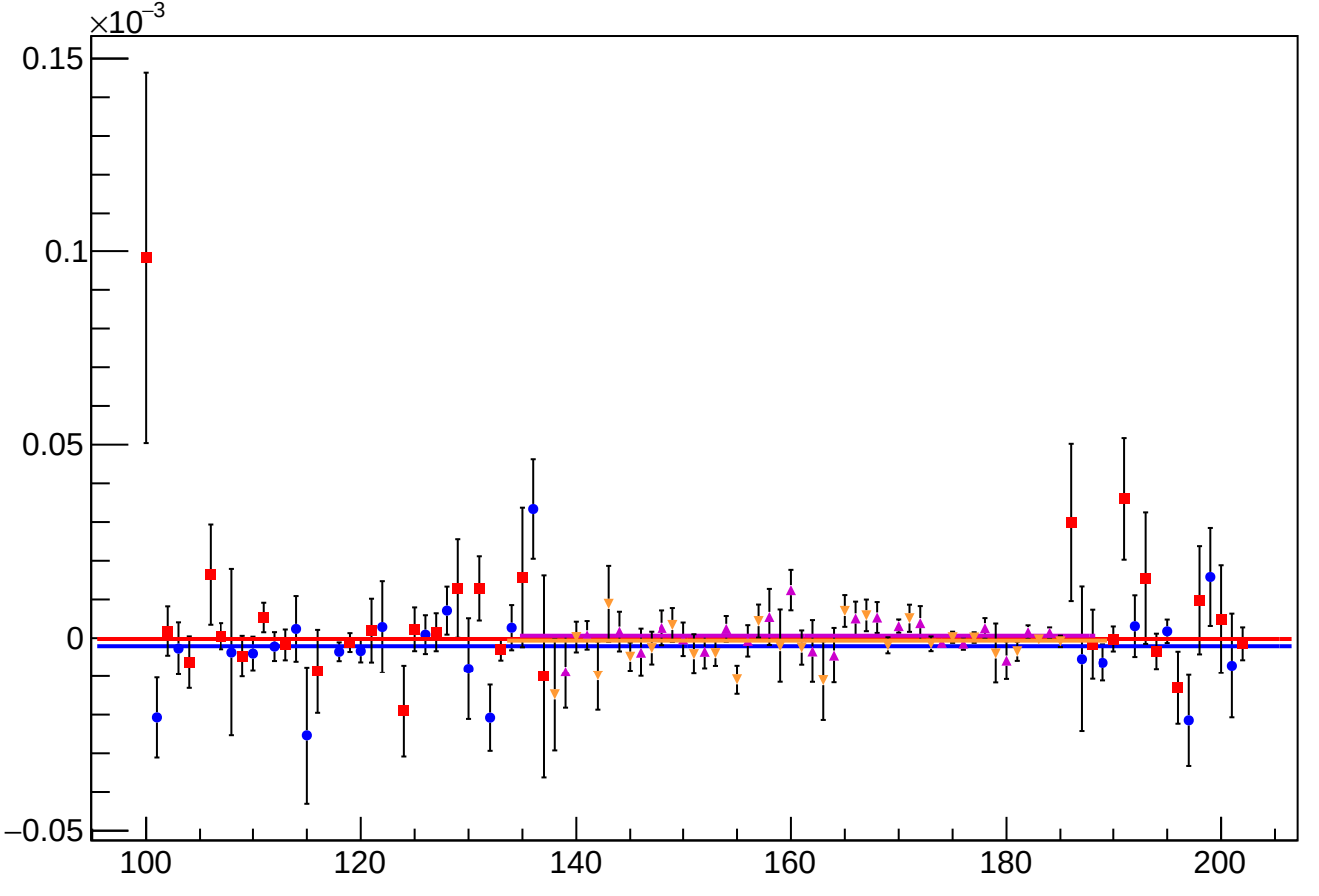
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 39.597+/-0.006 χ^2/NDF: 8387403.0/51

In: 35.345+/-0.006 χ^2/NDF:13188954.0/45

Out: 37.108+/-0.006 χ^2/NDF:17086472.3/53

All: 36.201+/-0.004 χ^2/NDF: 30325067.9/99



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

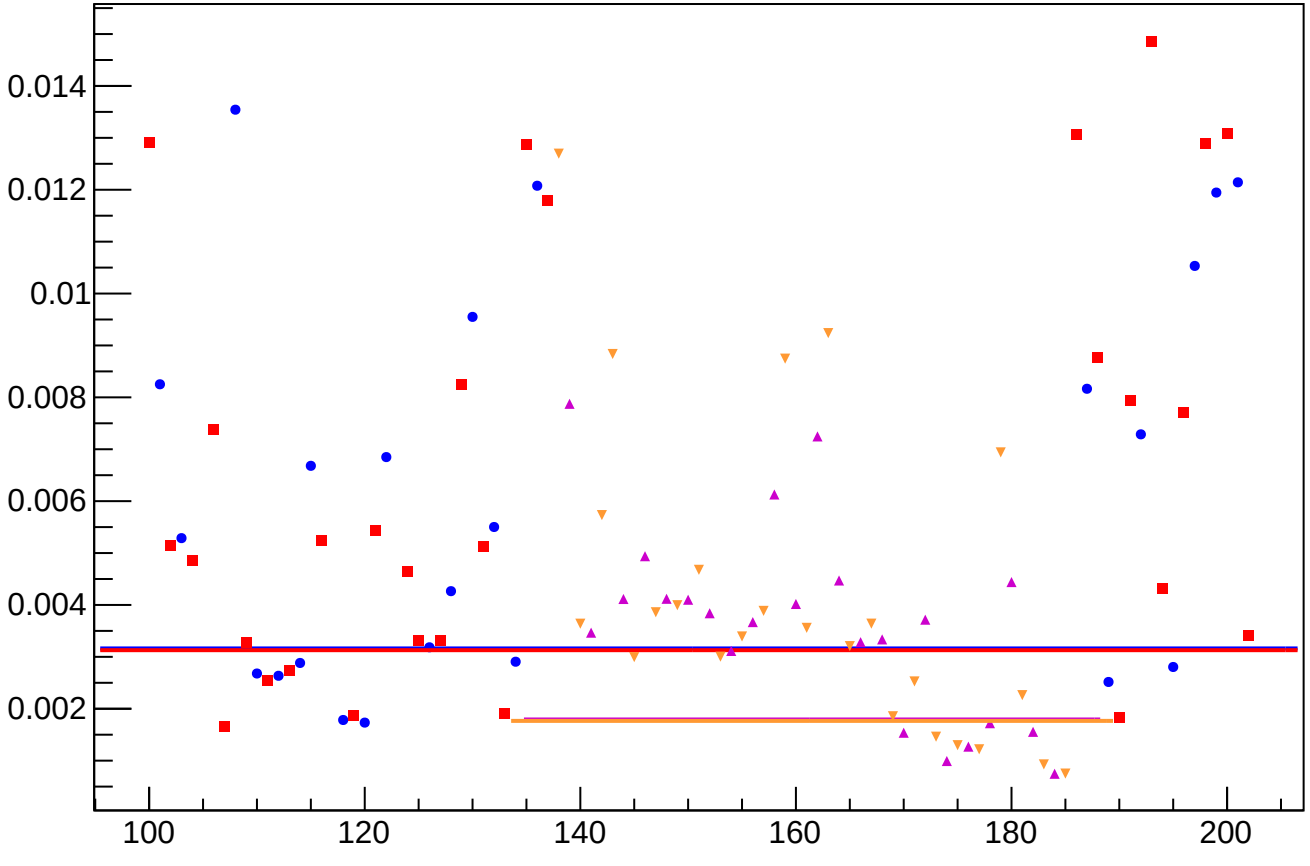
Right: -0.000+/-0.000 χ^2/NDF: 61.5/51

In: 0.000+/-0.000 χ^2/NDF:56.3/45

Out: -0.000+/-0.000 χ^2/NDF:58.8/53

All: -0.000+/-0.000 χ^2/NDF: 116.1/99

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7615520.0/22

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8809245.7/28

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

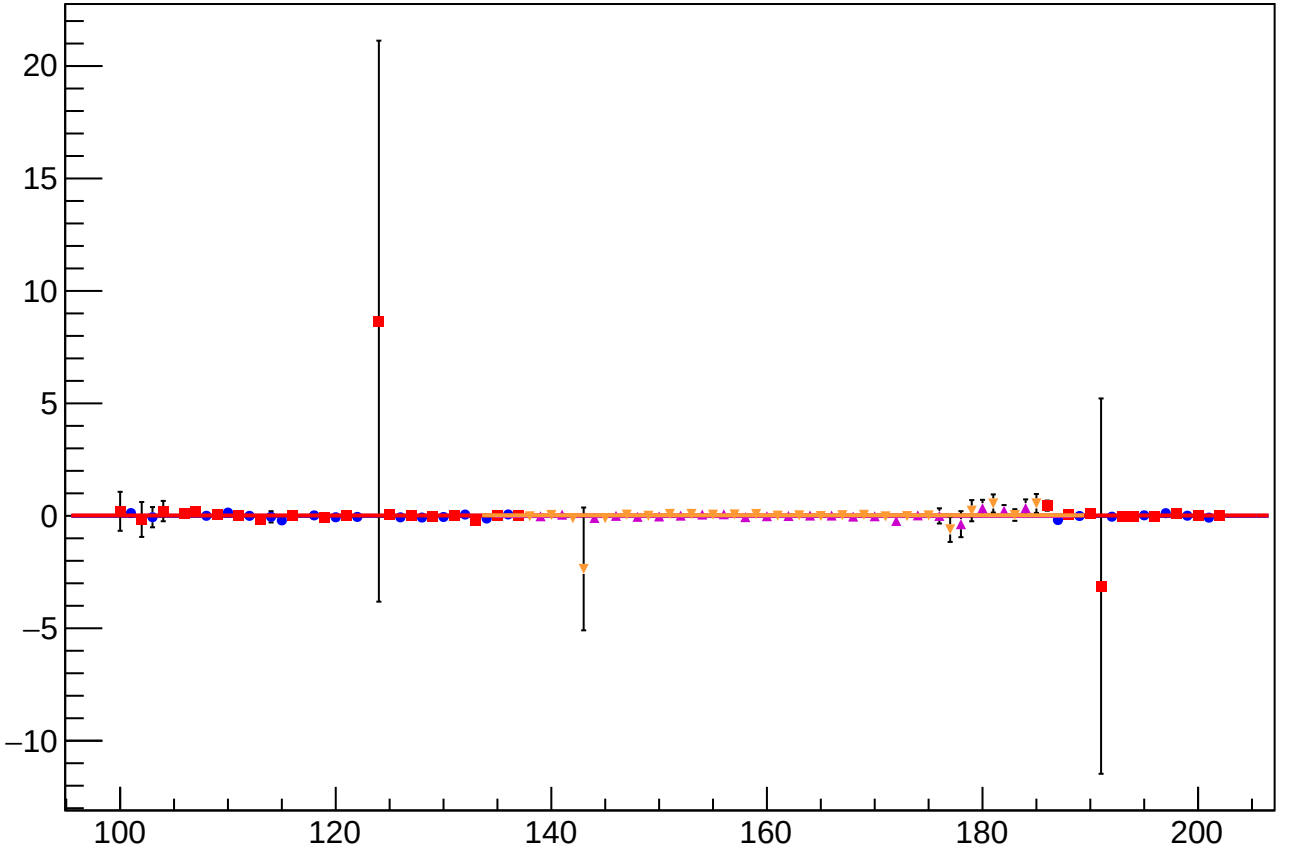
Right: 0.003+/-0.000 χ^2/NDF: 16425737.6/51

In: 0.002+/-0.000 χ^2/NDF:20746531.7/45

Out: 0.002+/-0.000 χ^2/NDF:24598258.5/53

All: 0.002+/-0.000 χ^2/NDF: 45345025.5/99

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

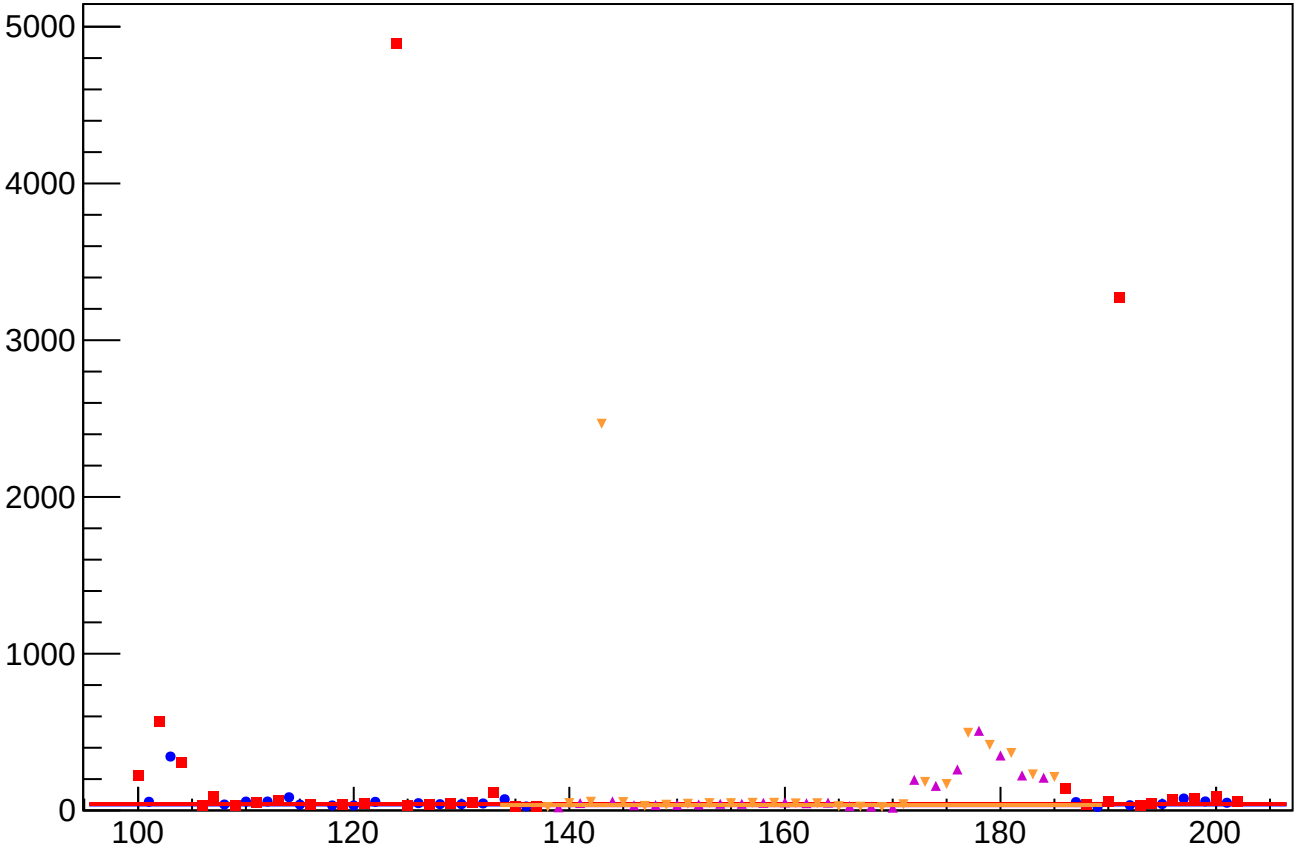
Right: 0.007+/-0.009 χ^2/NDF: 49.0/51

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.007+/-0.006 χ^2/NDF: 92.1/99

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.154+/-0.009 χ^2/NDF: 2958913.6/22

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

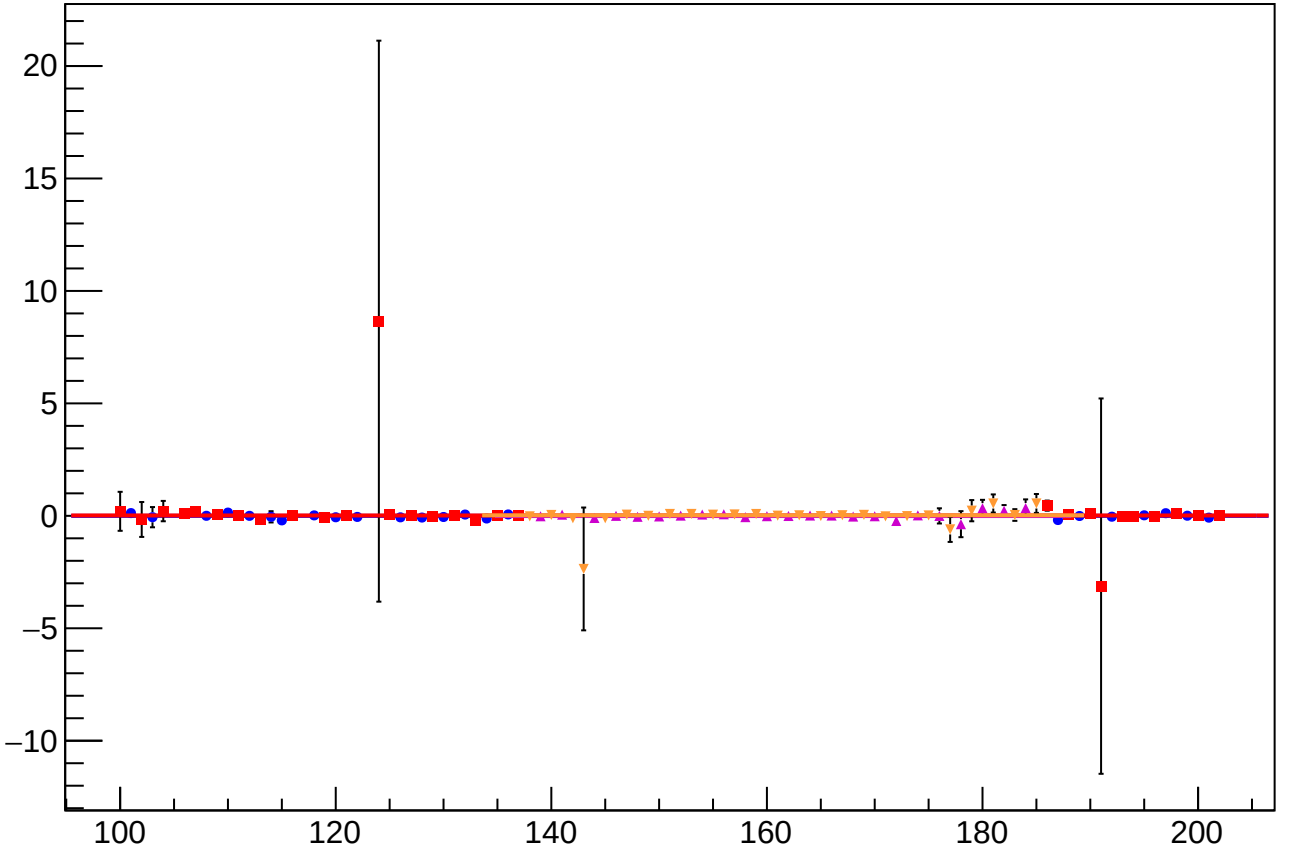
Right: 39.599+/-0.006 χ^2/NDF: 8386320.4/51

In: 35.347+/-0.006 χ^2/NDF:13186827.0/45

Out: 37.107+/-0.006 χ^2/NDF:17086538.5/53

All: 36.202+/-0.004 χ^2/NDF: 30322858.2/99

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

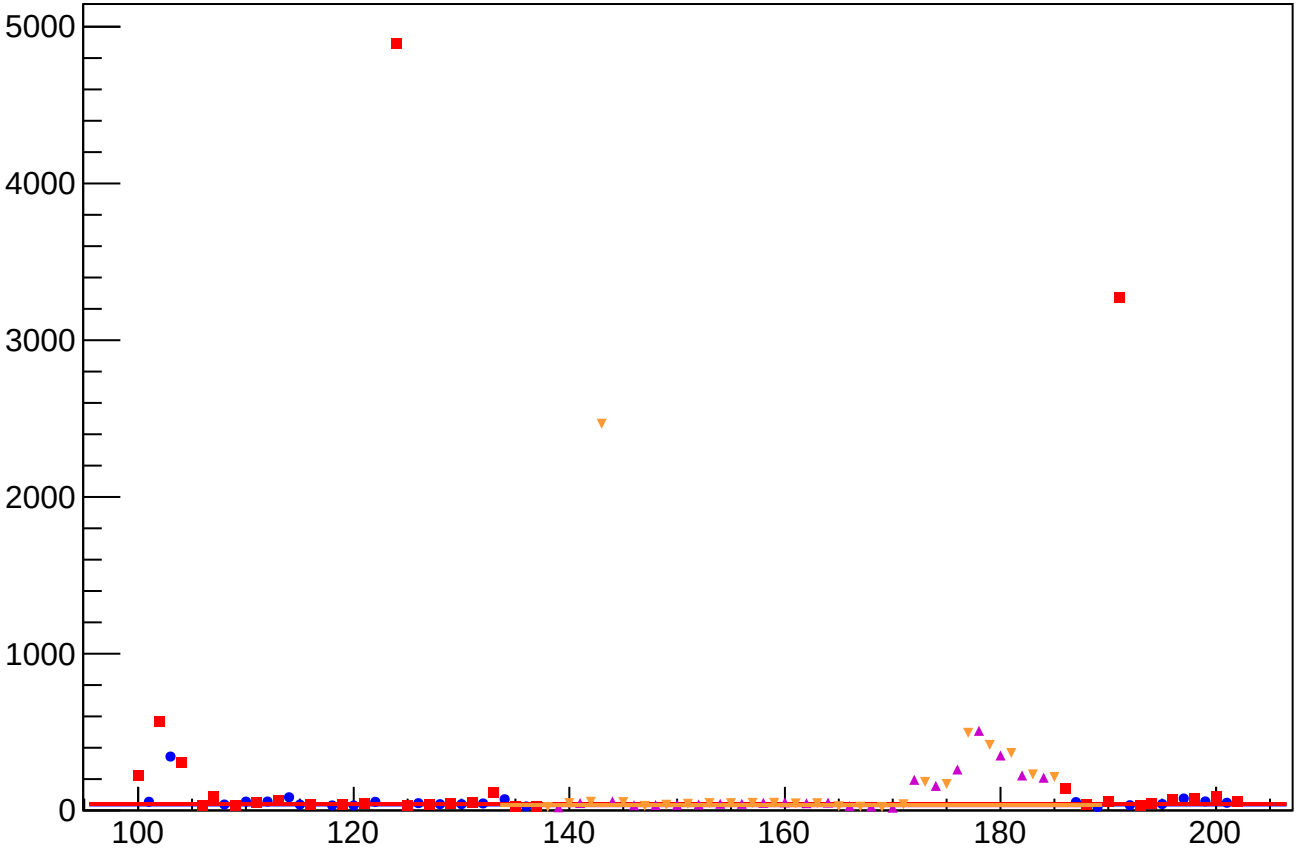
Right: 0.007+/-0.009 χ^2/NDF: 49.0/51

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.007+/-0.006 χ^2/NDF: 92.1/99

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.154+/-0.009 χ^2/NDF: 2958913.6/22

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

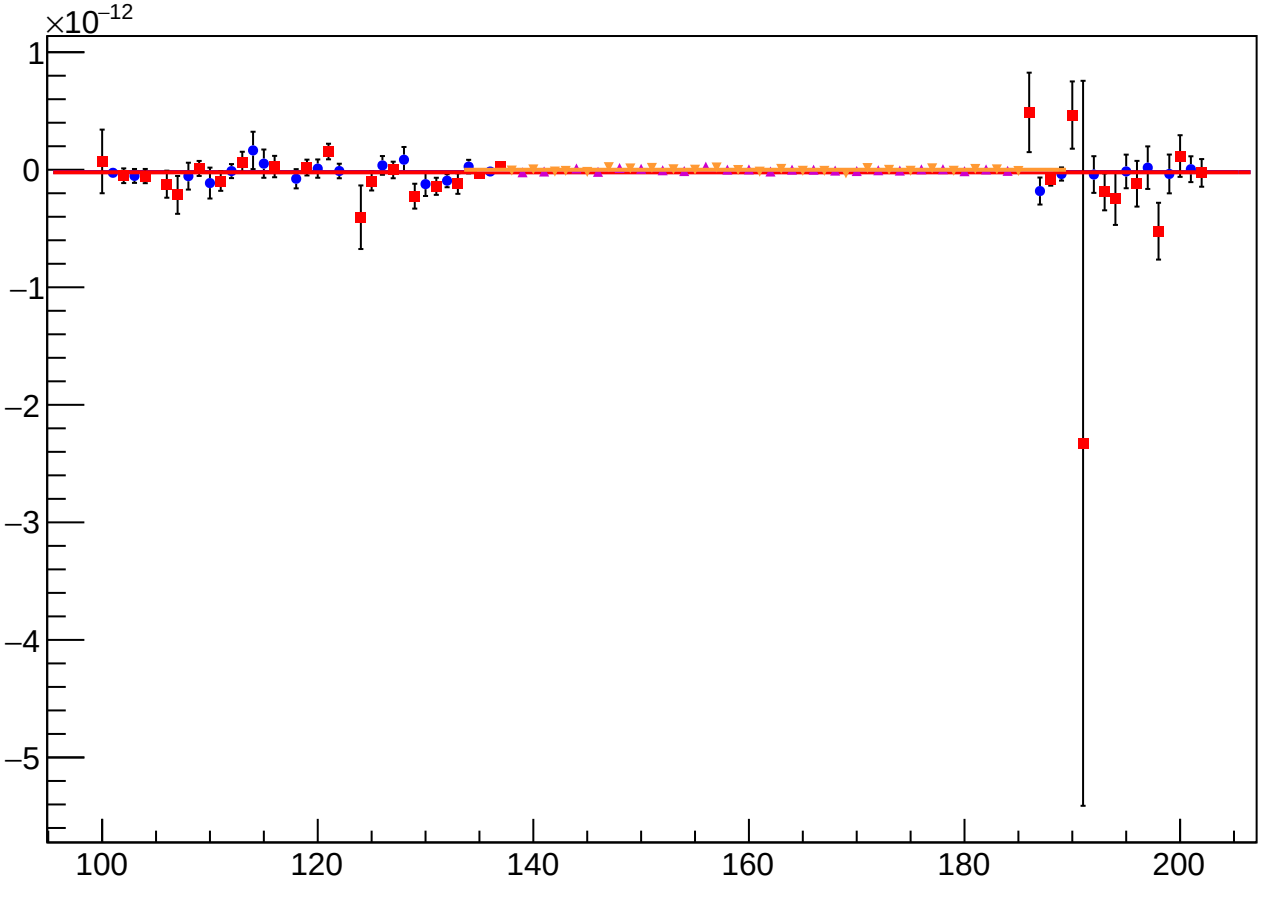
Right: 39.599+/-0.006 χ^2/NDF: 8386320.4/51

In: 35.347+/-0.006 χ^2/NDF:13186827.0/45

Out: 37.107+/-0.006 χ^2/NDF:17086538.5/53

All: 36.202+/-0.004 χ^2/NDF: 30322858.2/99

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.0/28

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

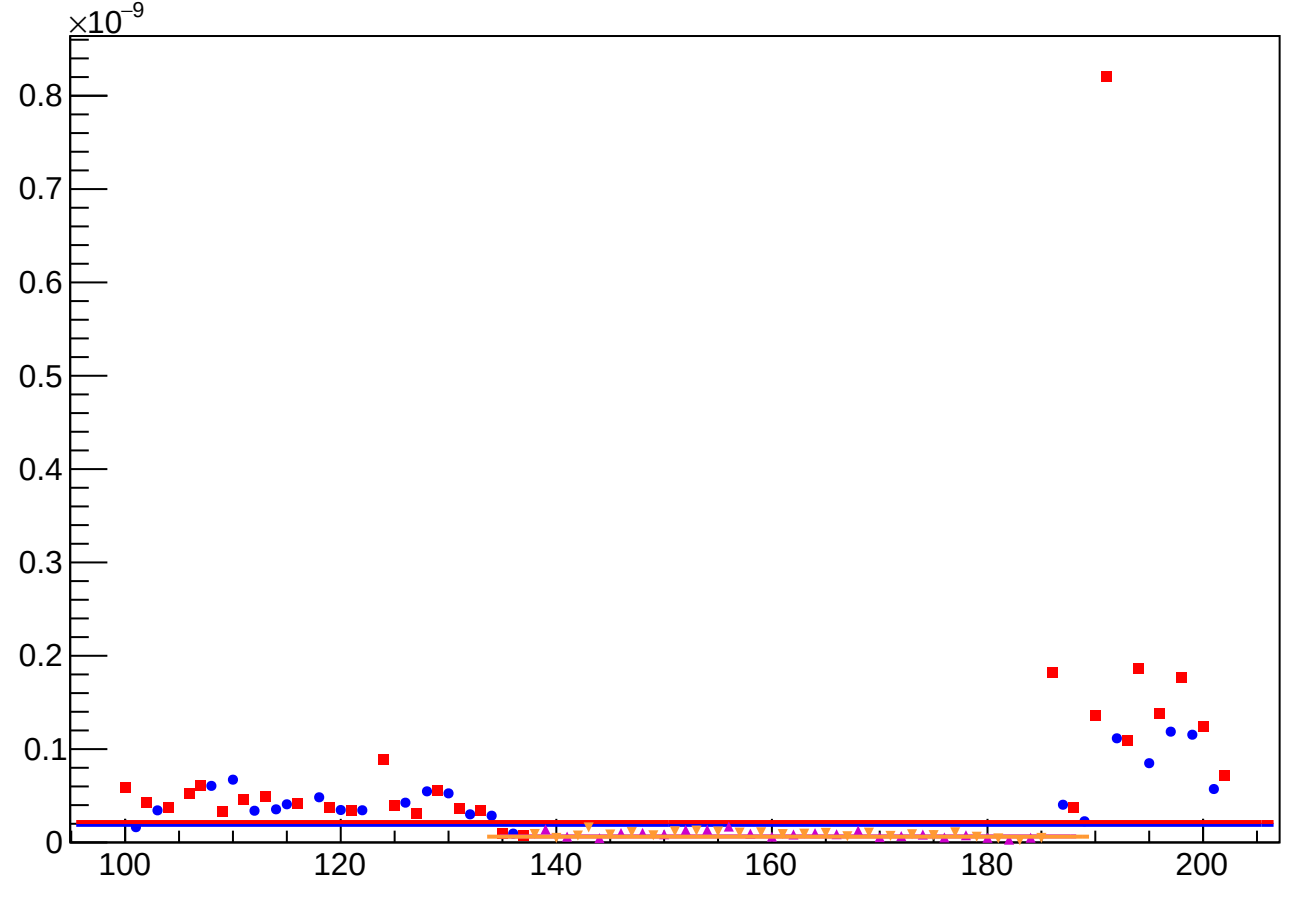
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 52.6/51

In: -0.000+/-0.000 χ^2/NDF:33.7/45

Out: -0.000+/-0.000 χ^2/NDF:72.0/53

All: -0.000+/-0.000 χ^2/NDF: 106.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 6033110.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9233361.7/28

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

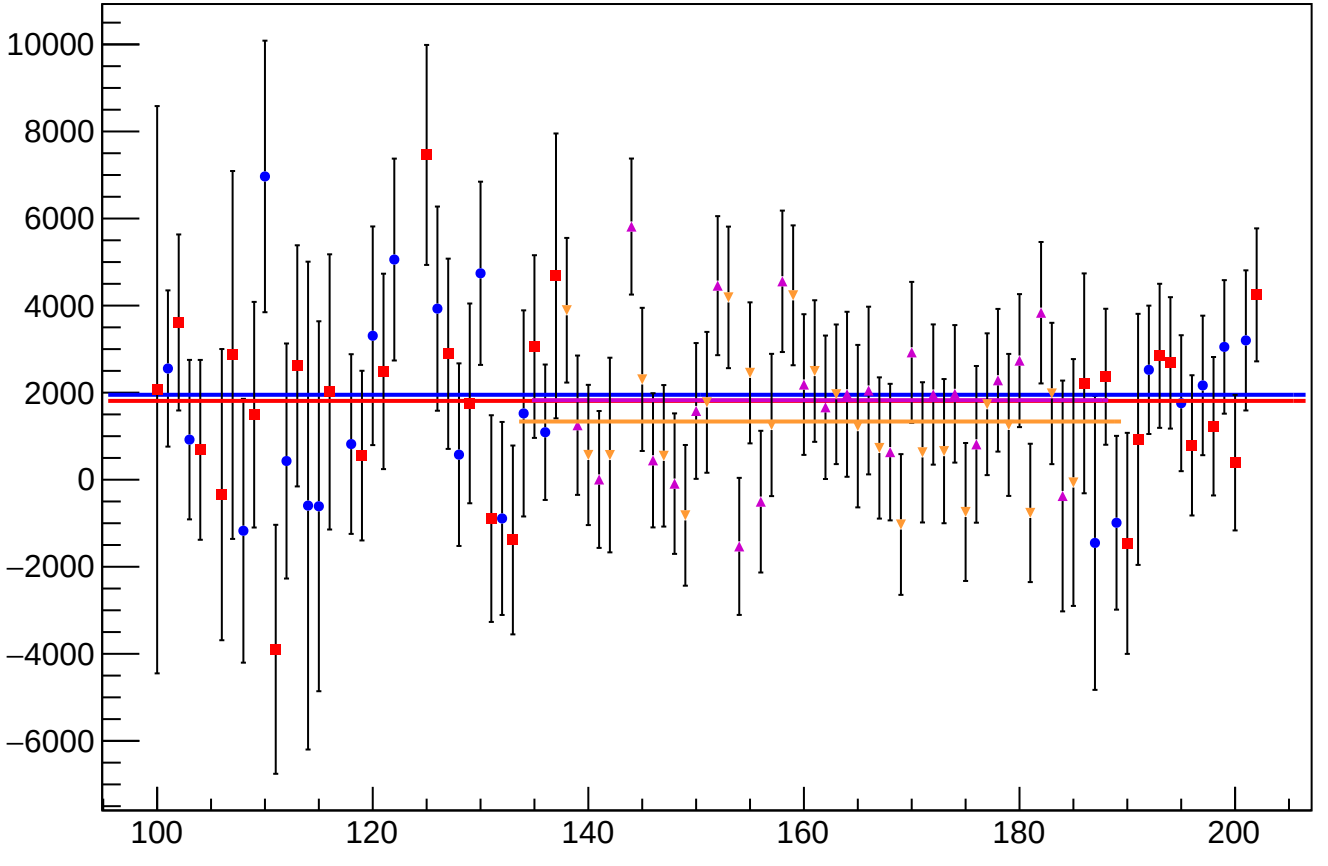
Right: 0.000+/-0.000 χ^2/NDF: 15354789.2/51

In: 0.000+/-0.000 χ^2/NDF:13197849.3/45

Out: 0.000+/-0.000 χ^2/NDF:18501430.0/53

All: 0.000+/-0.000 χ^2/NDF: 31724077.4/99

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1950.948+/-427.842 χ^2/NDF: 16.7/22

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1810.601+/-403.403 χ^2/NDF: 22.5/27

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

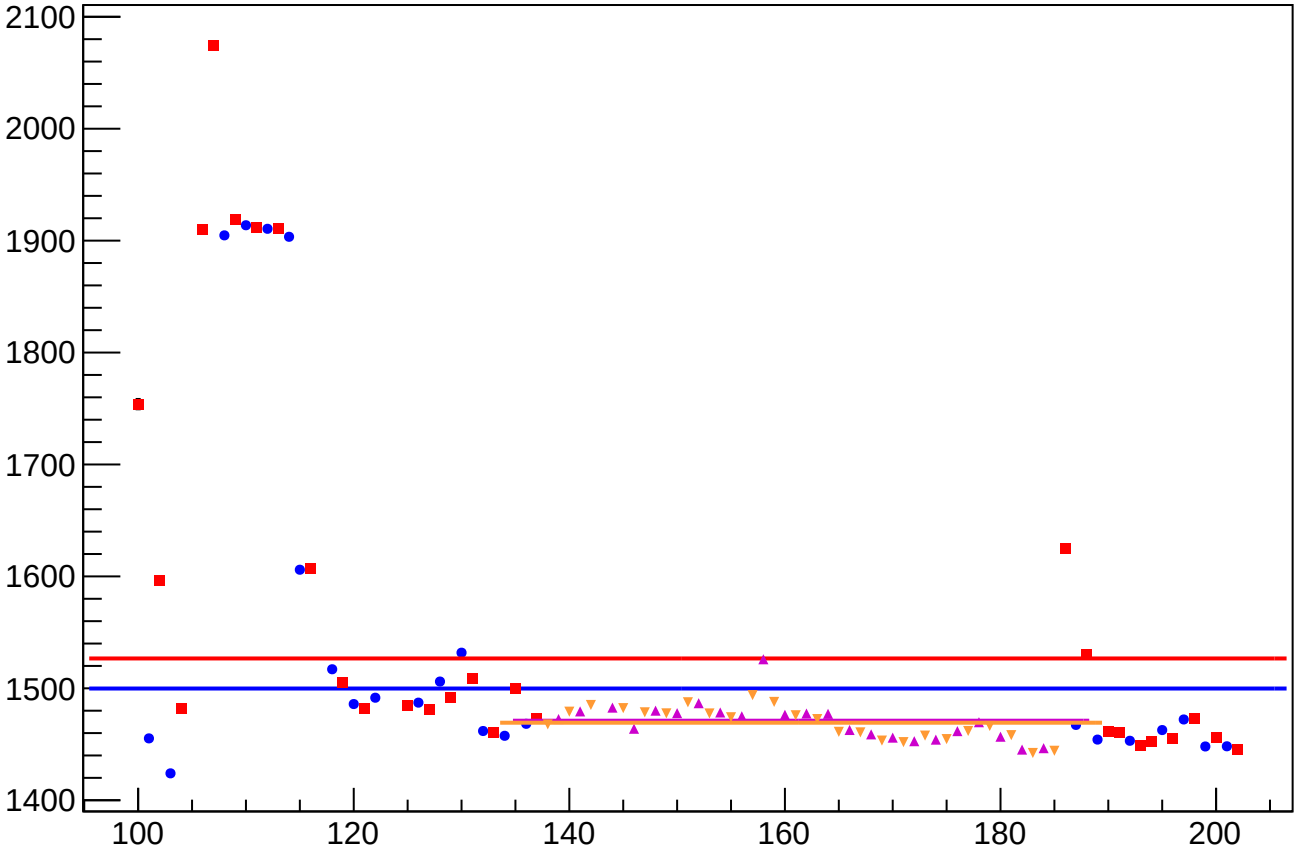
Right: 1876.652+/-293.509 χ^2/NDF: 39.3/50

In: 1875.334+/-267.845 χ^2/NDF:43.2/45

Out: 1534.389+/-260.429 χ^2/NDF:42.5/51

All: 1700.076+/-186.718 χ^2/NDF: 86.6/97

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1499.815+/-0.303 χ^2/NDF: 145608.9/22

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1526.672+/-0.285 χ^2/NDF: 223900.7/27

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

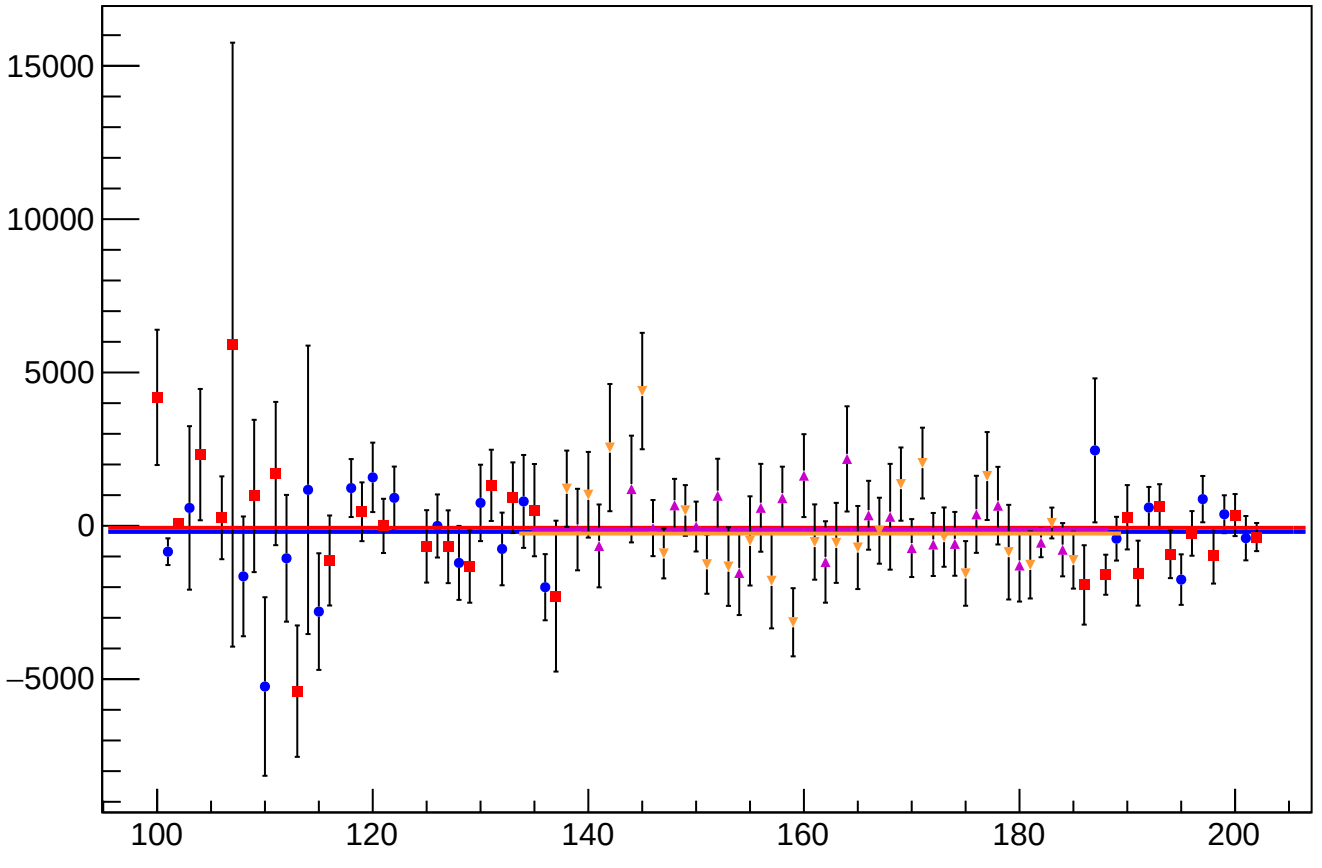
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1514.033+/-0.208 χ^2/NDF: 373681.6/50

In: 1482.326+/-0.189 χ^2/NDF:155747.3/45

Out: 1493.192+/-0.184 χ^2/NDF:250677.2/51

All: 1487.912+/-0.132 χ^2/NDF: 408116.4/97



Right In: -197.720+/-197.617 χ^2/NDF: 27.9/22

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -66.011+/-112.090 χ^2/NDF: 32.4/27

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

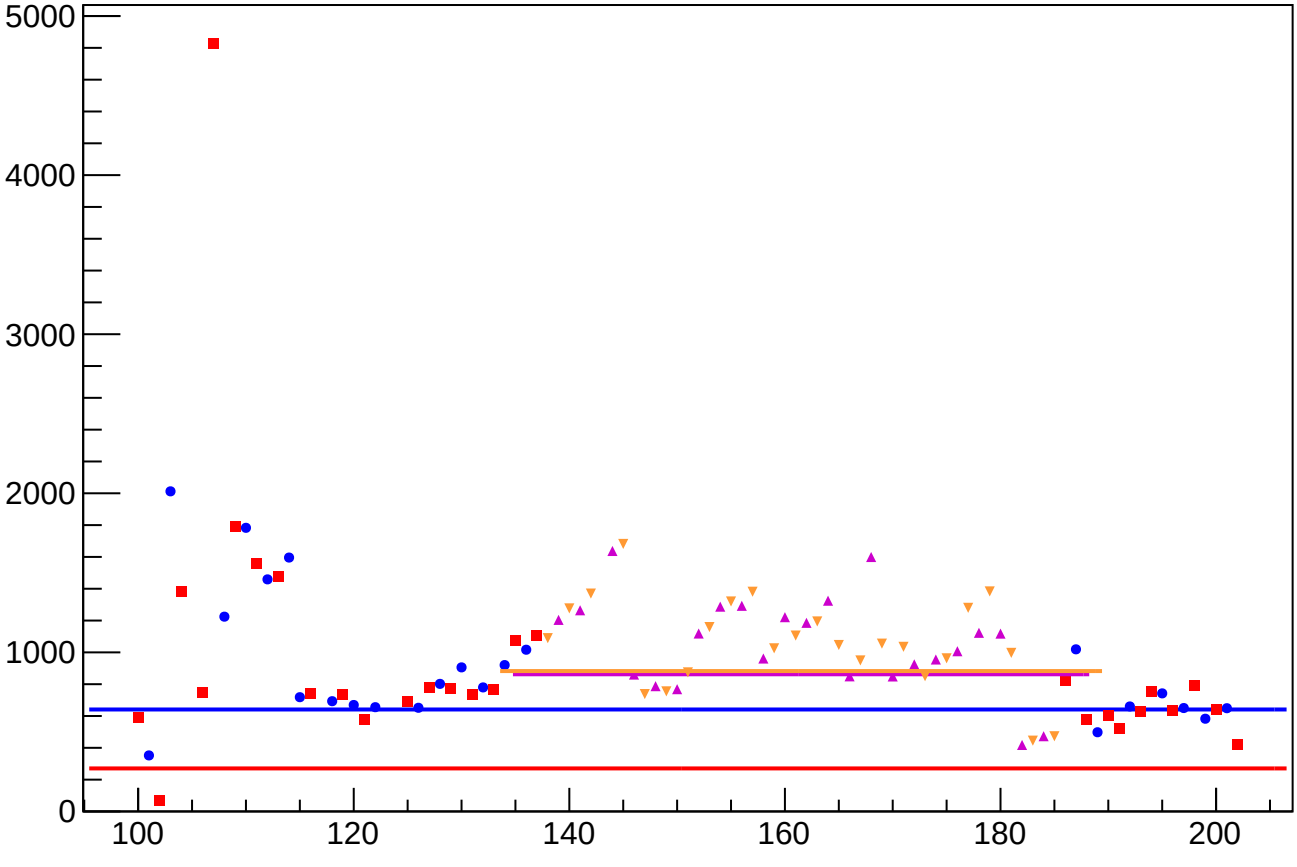
Right: -98.071+/-97.498 χ^2/NDF: 60.6/50

In: -162.213+/-145.795 χ^2/NDF:40.8/45

Out: -104.715+/-99.720 χ^2/NDF:65.6/51

All: -123.041+/-82.309 χ^2/NDF: 106.6/97

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.003+/-0.140 χ^2/NDF: 2947949.0/22

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 270.511+/-0.079 χ^2/NDF: 15210093.2/27

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

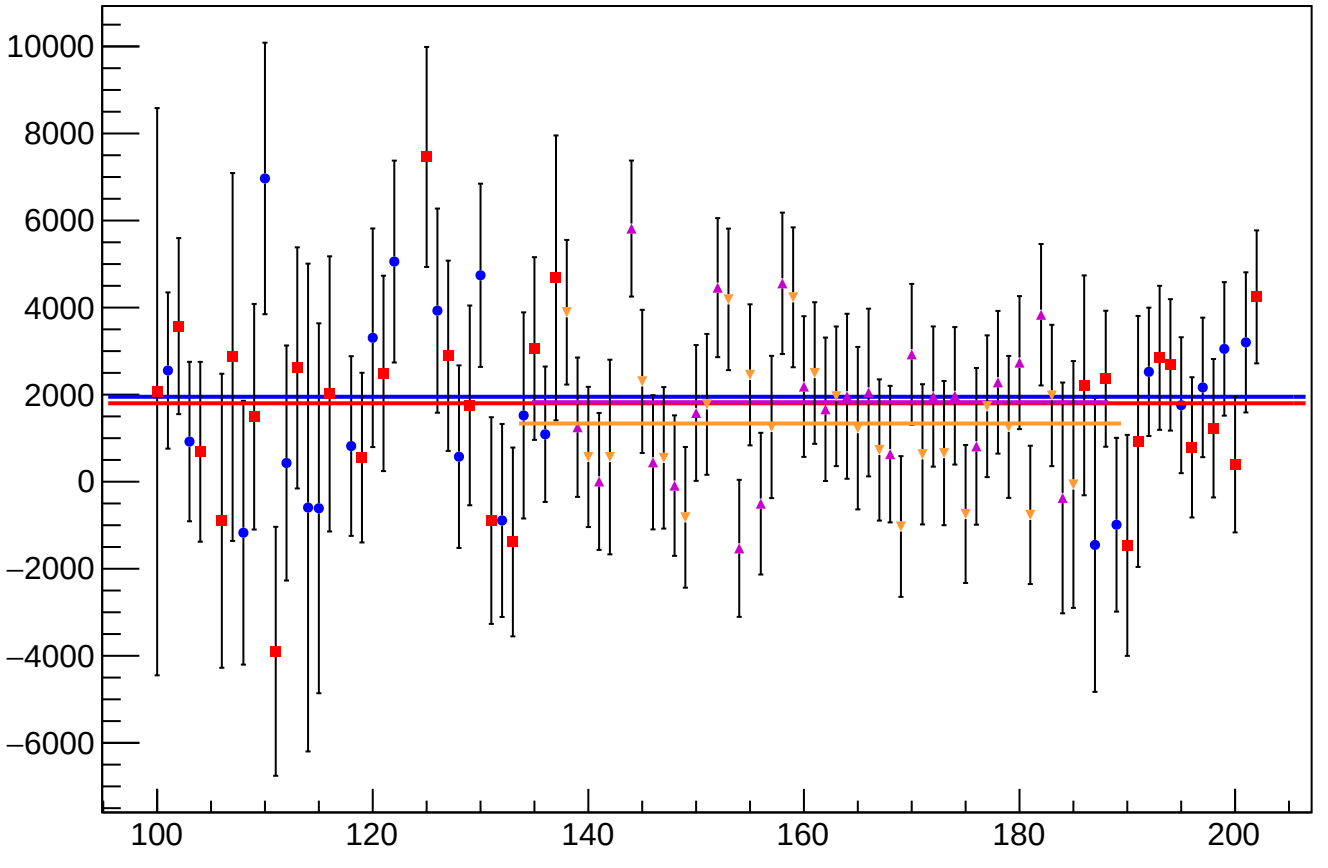
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 360.694+/-0.069 χ^2/NDF: 23476637.5/50

In: 741.848+/-0.103 χ^2/NDF:8460244.7/45

Out: 398.118+/-0.071 χ^2/NDF:31541210.4/51

All: 507.671+/-0.058 χ^2/NDF: 47575060.1/97



Right In: 1951.077+/-427.842 χ^2/NDF: 16.7/22

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1801.772+/-403.461 χ^2/NDF: 22.7/27

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

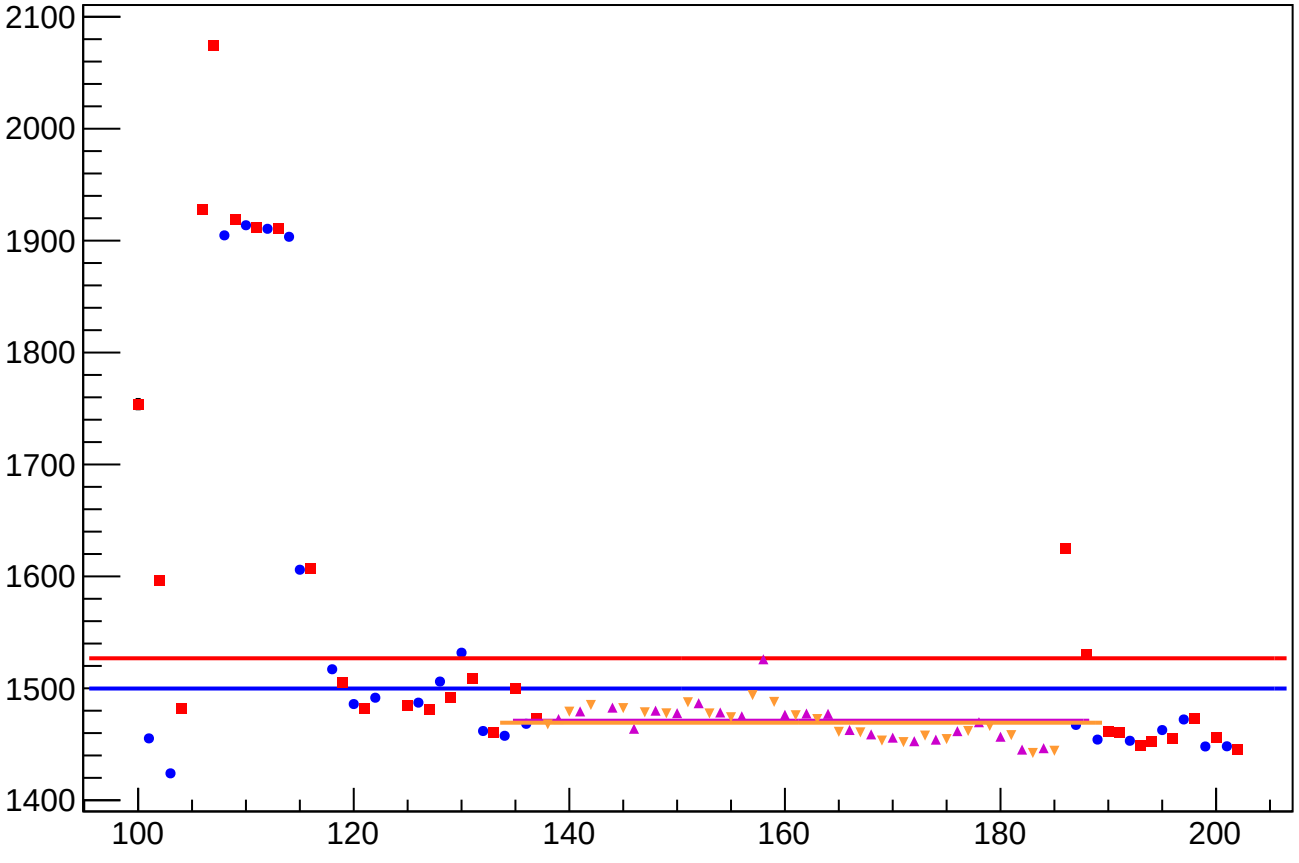
Right: 1872.050+/-293.531 χ^2/NDF: 39.5/50

In: 1875.412+/-267.845 χ^2/NDF:43.2/45

Out: 1530.683+/-260.444 χ^2/NDF:42.7/51

All: 1698.219+/-186.724 χ^2/NDF: 86.8/97

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1499.816+/-0.303 χ^2/NDF: 145608.8/22

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1526.835+/-0.285 χ^2/NDF: 225936.0/27

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

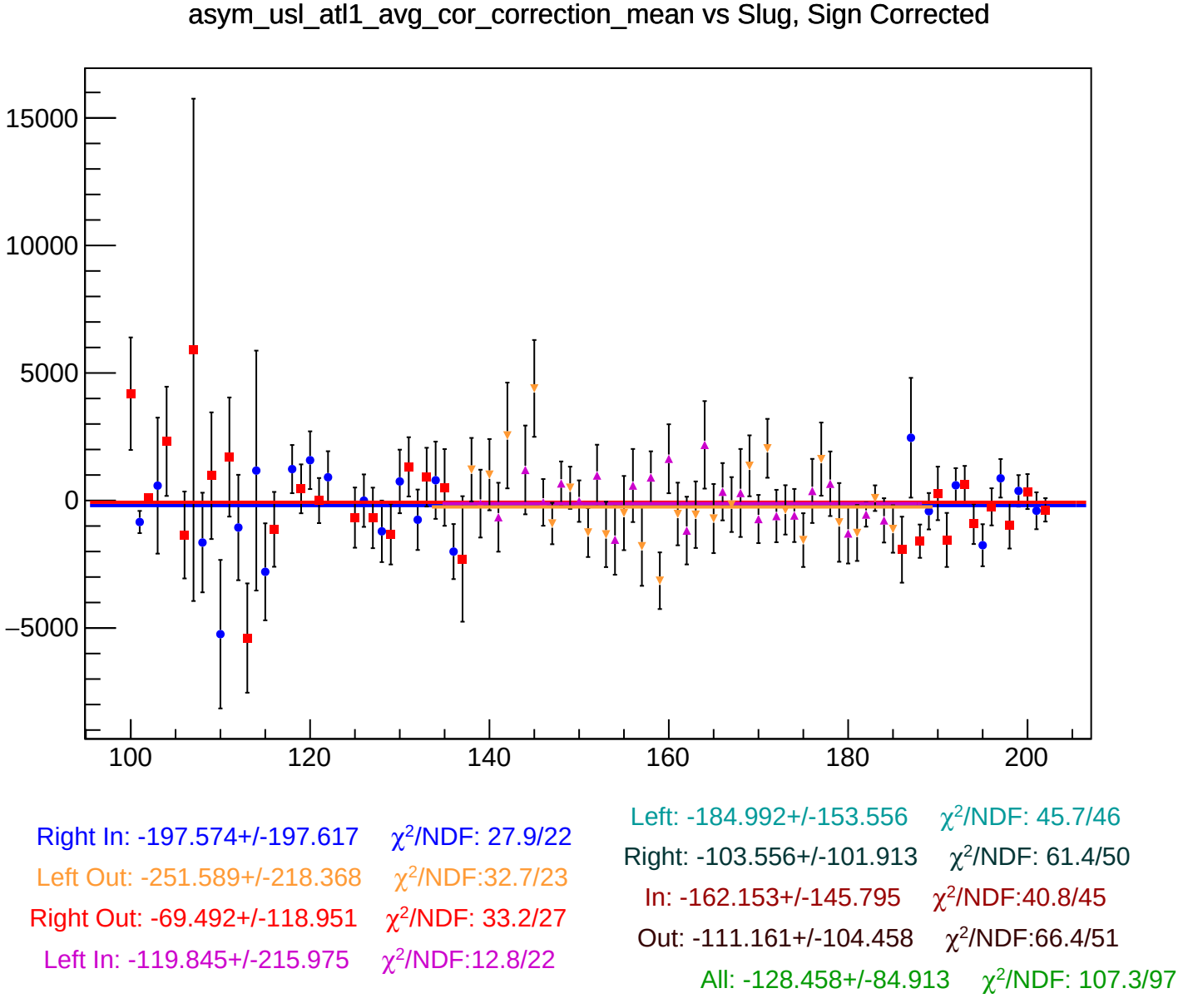
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

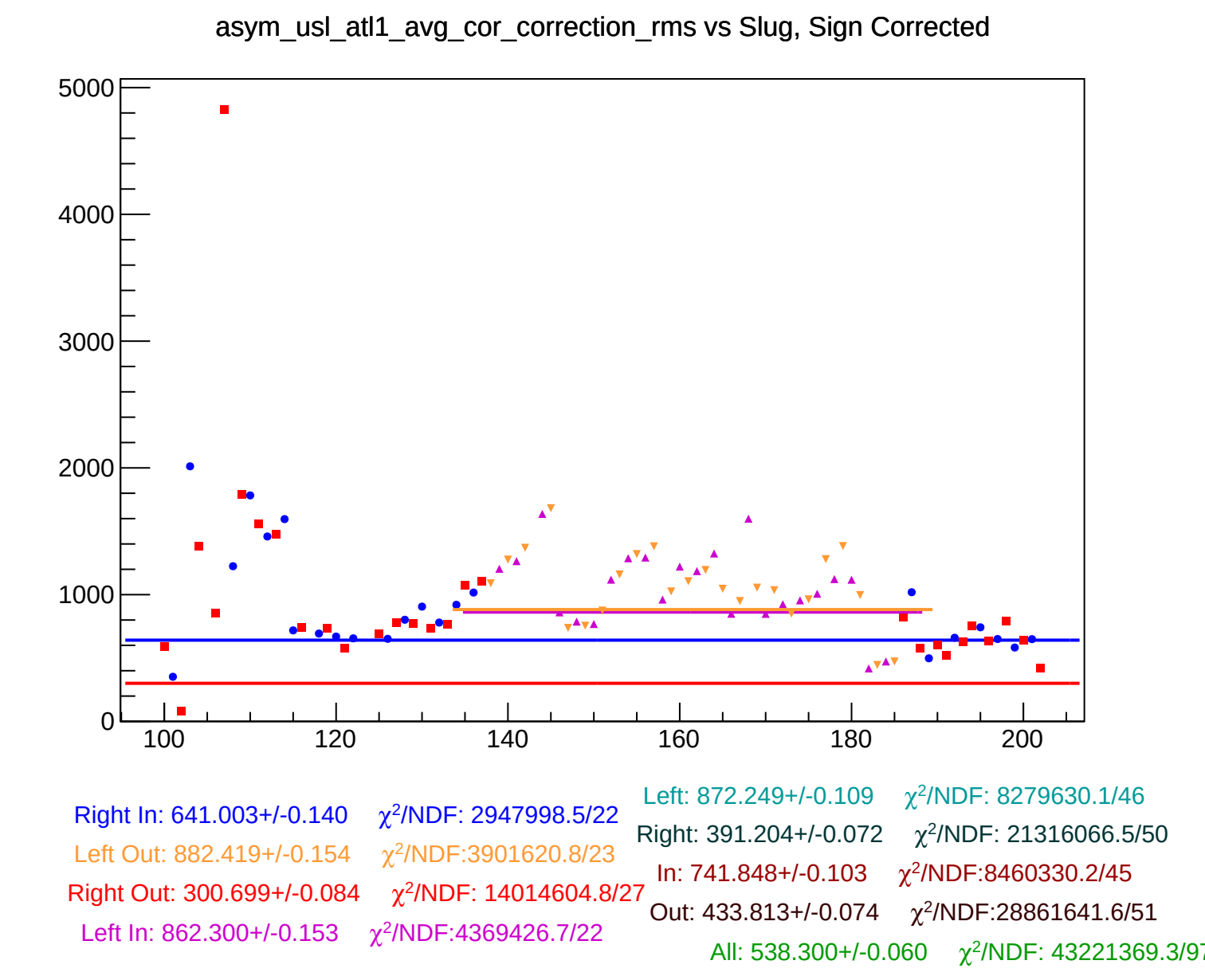
Right: 1514.117+/-0.208 χ^2/NDF: 375766.9/50

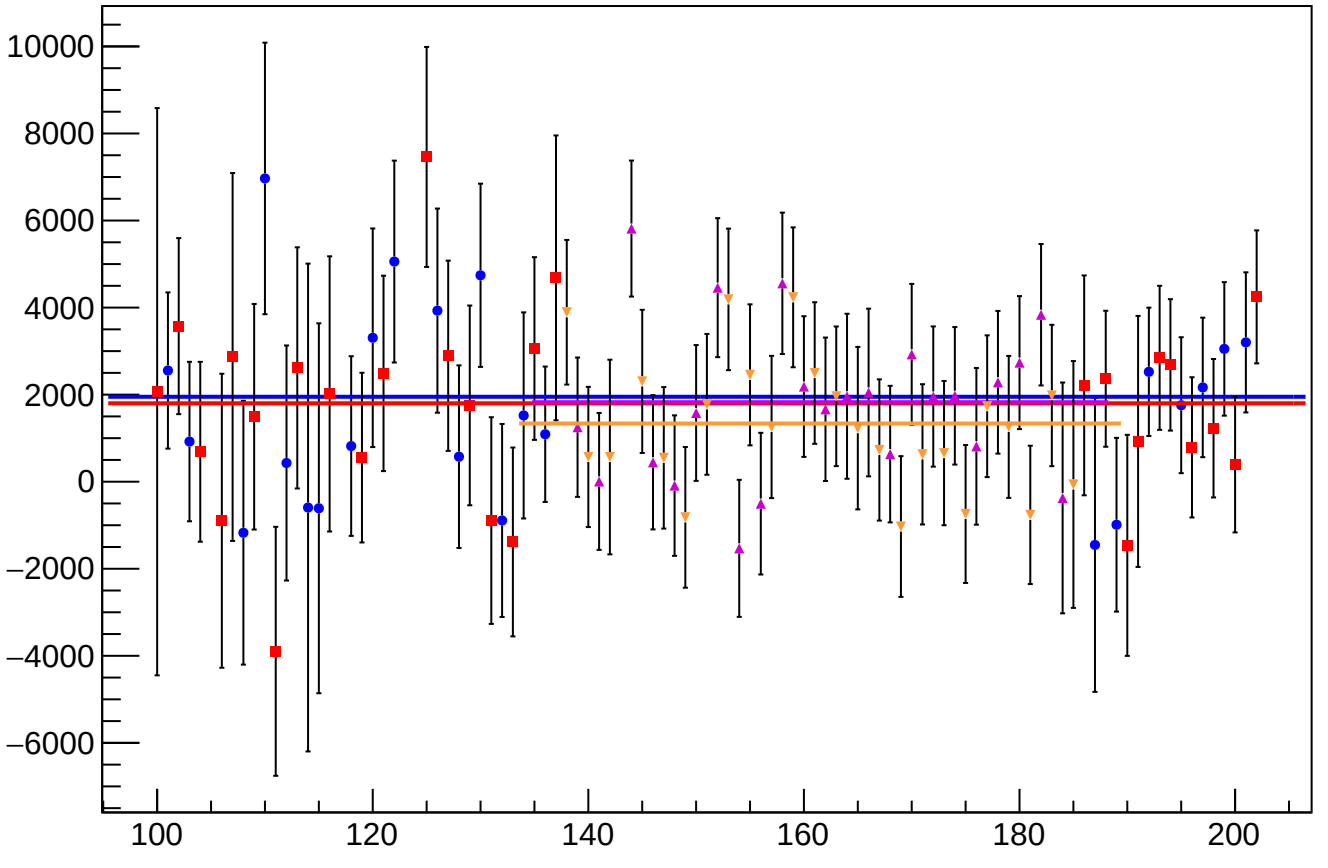
In: 1482.326+/-0.189 χ^2/NDF:155747.3/45

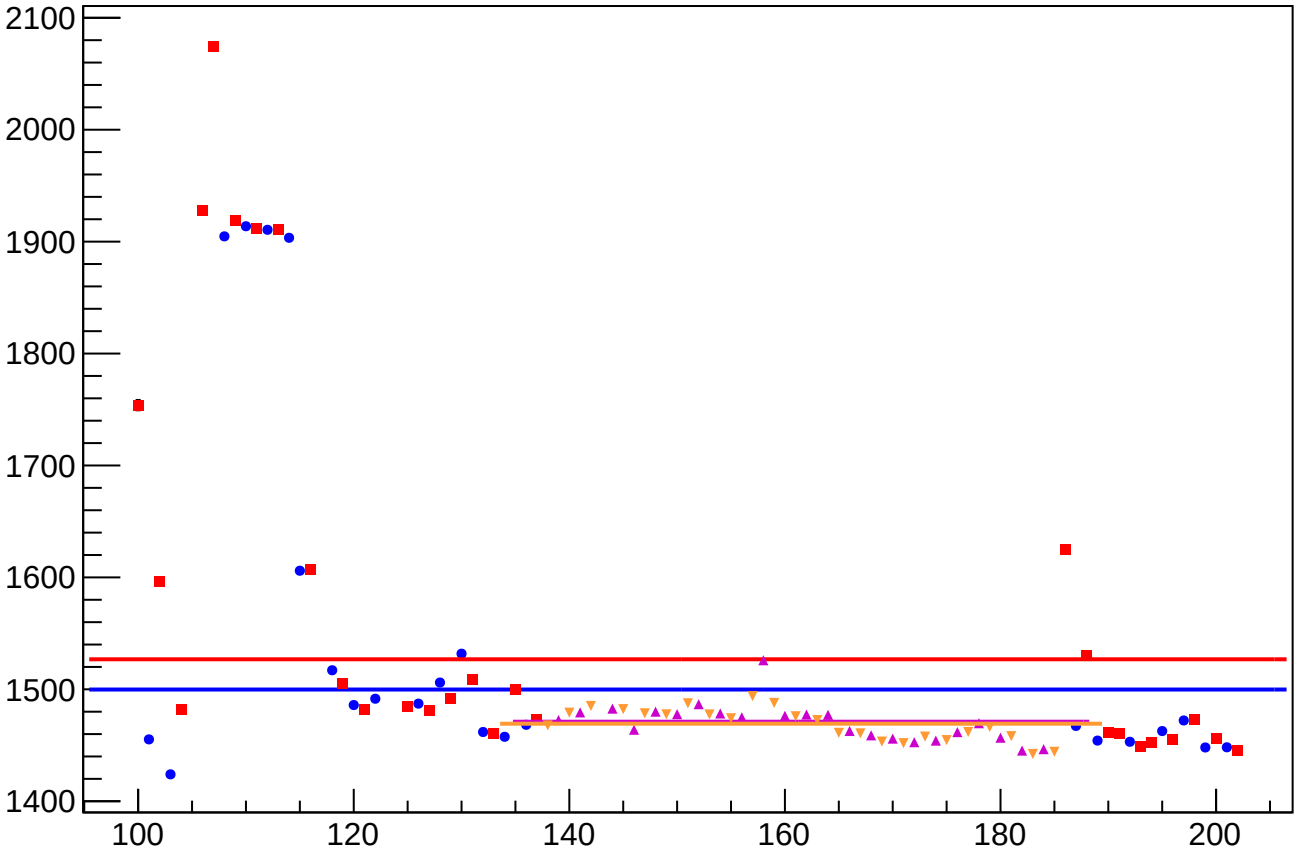
Out: 1493.256+/-0.184 χ^2/NDF:252842.5/51

All: 1487.944+/-0.132 χ^2/NDF: 410301.5/97


asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -197.574+/-197.617 χ²/NDF: 27.9/22
Left Out: -251.589+/-218.368 χ²/NDF:32.7/23
Right Out: -69.492+/-118.951 χ²/NDF: 33.2/27
Left In: -119.845+/-215.975 χ²/NDF:12.8/22
Left: -184.992+/-153.556 χ²/NDF: 45.7/46
Right: -103.556+/-101.913 χ²/NDF: 61.4/50
In: -162.153+/-145.795 χ²/NDF:40.8/45
Out: -111.161+/-104.458 χ²/NDF:66.4/51
All: -128.458+/-84.913 χ²/NDF: 107.3/97


asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 641.003+/-0.140 χ²/NDF: 2947998.5/22
Left Out: 882.419+/-0.154 χ²/NDF:3901620.8/23
Right Out: 300.699+/-0.084 χ²/NDF: 14014604.8/27
Left In: 862.300+/-0.153 χ²/NDF:4369426.7/22
Left: 872.249+/-0.109 χ²/NDF: 8279630.1/46
Right: 391.204+/-0.072 χ²/NDF: 21316066.5/50
In: 741.848+/-0.103 χ²/NDF:8460330.2/45
Out: 433.813+/-0.074 χ²/NDF:28861641.6/51
All: 538.300+/-0.060 χ²/NDF: 43221369.3/97


eigen_cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: 1951.077+/-427.842 χ²/NDF: 16.7/22
Left Out: 1337.018+/-341.012 χ²/NDF:19.2/23
Right Out: 1801.772+/-403.461 χ²/NDF: 22.7/27
Left In: 1826.644+/-343.483 χ²/NDF:26.5/22
Left: 1580.064+/-242.001 χ²/NDF: 46.7/46
Right: 1872.050+/-293.531 χ²/NDF: 39.5/50
In: 1875.412+/-267.845 χ²/NDF:43.2/45
Out: 1530.683+/-260.444 χ²/NDF:42.7/51
All: 1698.219+/-186.724 χ²/NDF: 86.8/97



Right In: 1499.816+/-0.303 χ^2/NDF: 145608.8/22

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1526.835+/-0.285 χ^2/NDF: 225936.0/27

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

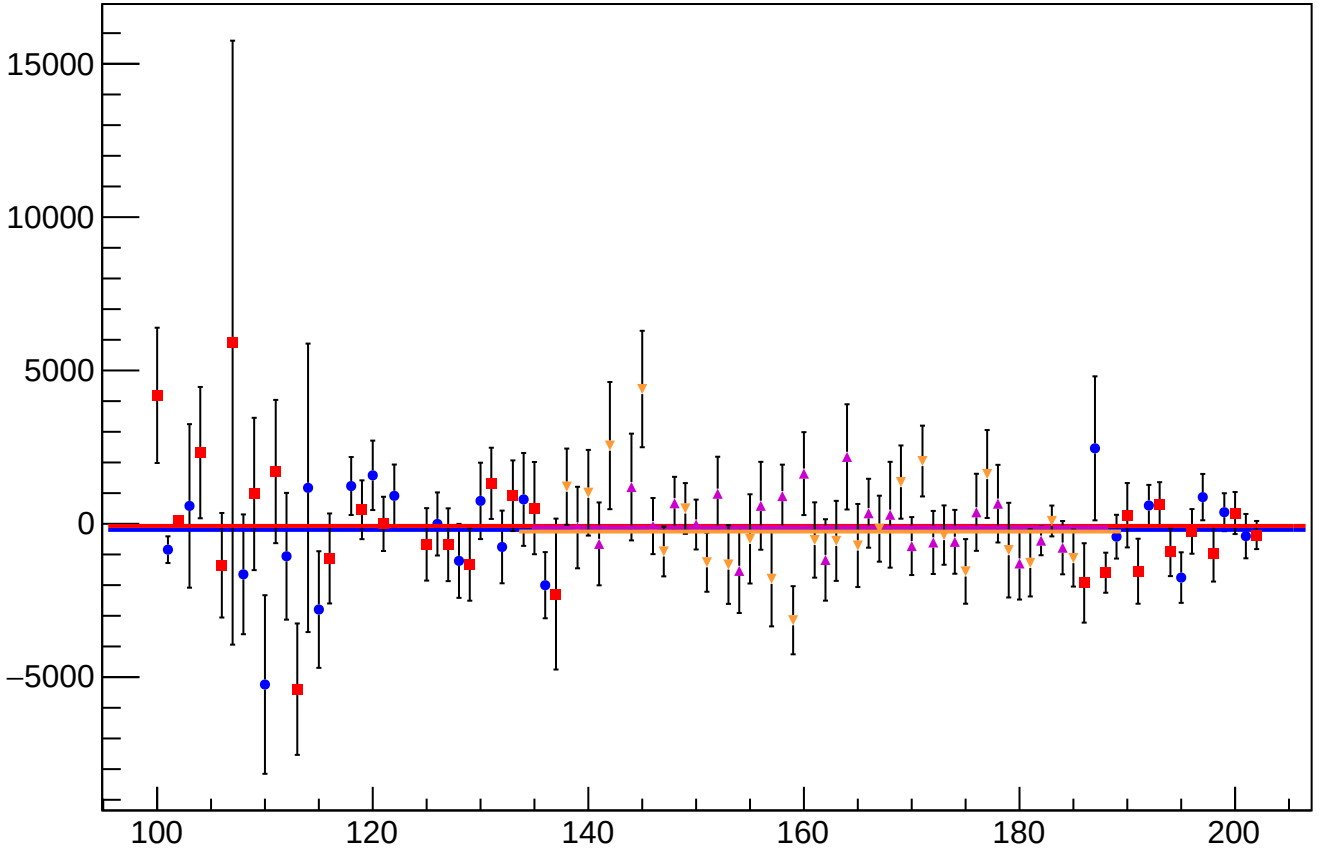
Right: 1514.117+/-0.208 χ^2/NDF: 375766.9/50

In: 1482.326+/-0.189 χ^2/NDF:155747.3/45

Out: 1493.256+/-0.184 χ^2/NDF:252842.5/51

All: 1487.944+/-0.132 χ^2/NDF: 410301.5/97

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -197.574+/-197.617 χ^2/NDF: 27.9/22

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -69.492+/-118.951 χ^2/NDF: 33.2/27

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

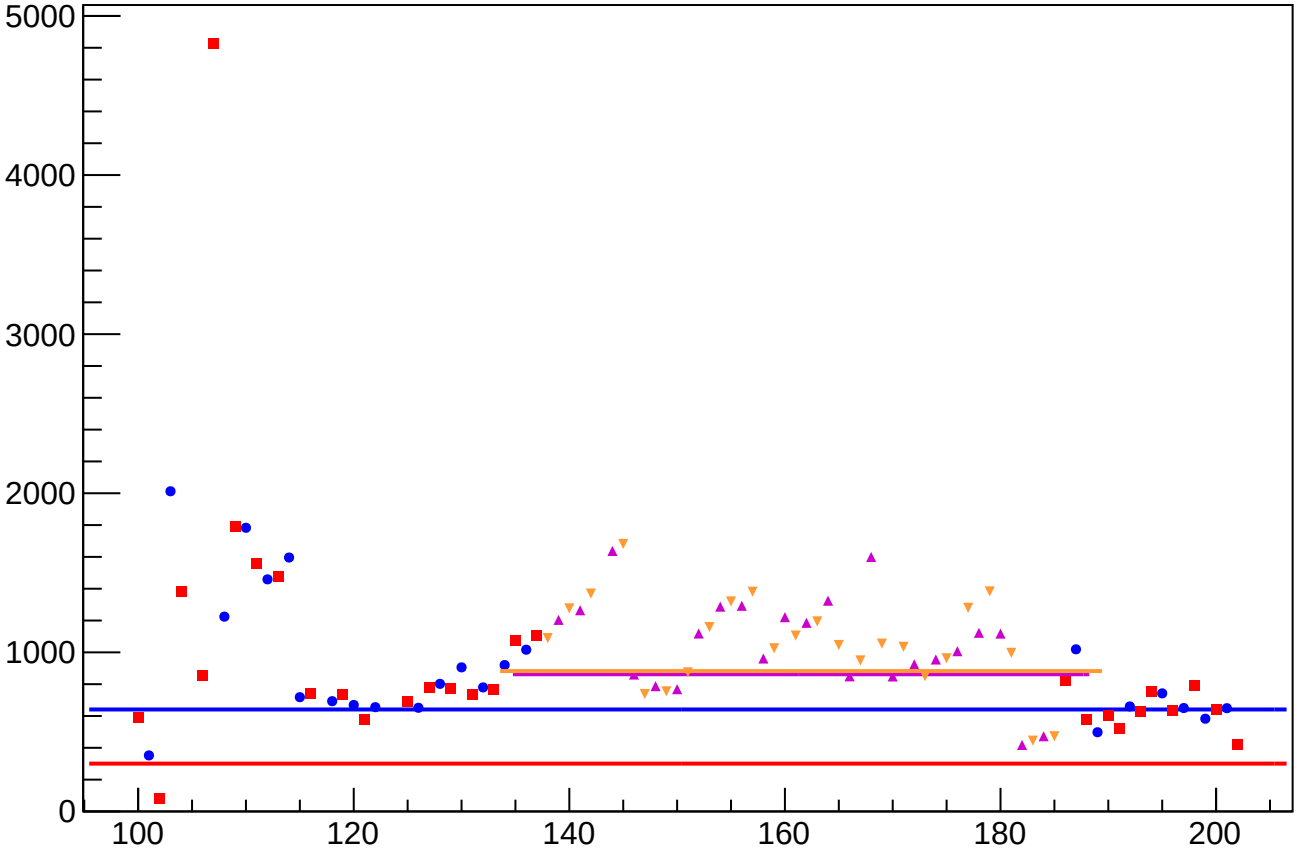
Right: -103.556+/-101.913 χ^2/NDF: 61.4/50

In: -162.153+/-145.795 χ^2/NDF:40.8/45

Out: -111.161+/-104.458 χ^2/NDF:66.4/51

All: -128.458+/-84.913 χ^2/NDF: 107.3/97

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.003+/-0.140 χ^2/NDF: 2947998.5/22

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 300.699+/-0.084 χ^2/NDF: 14014604.8/27

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

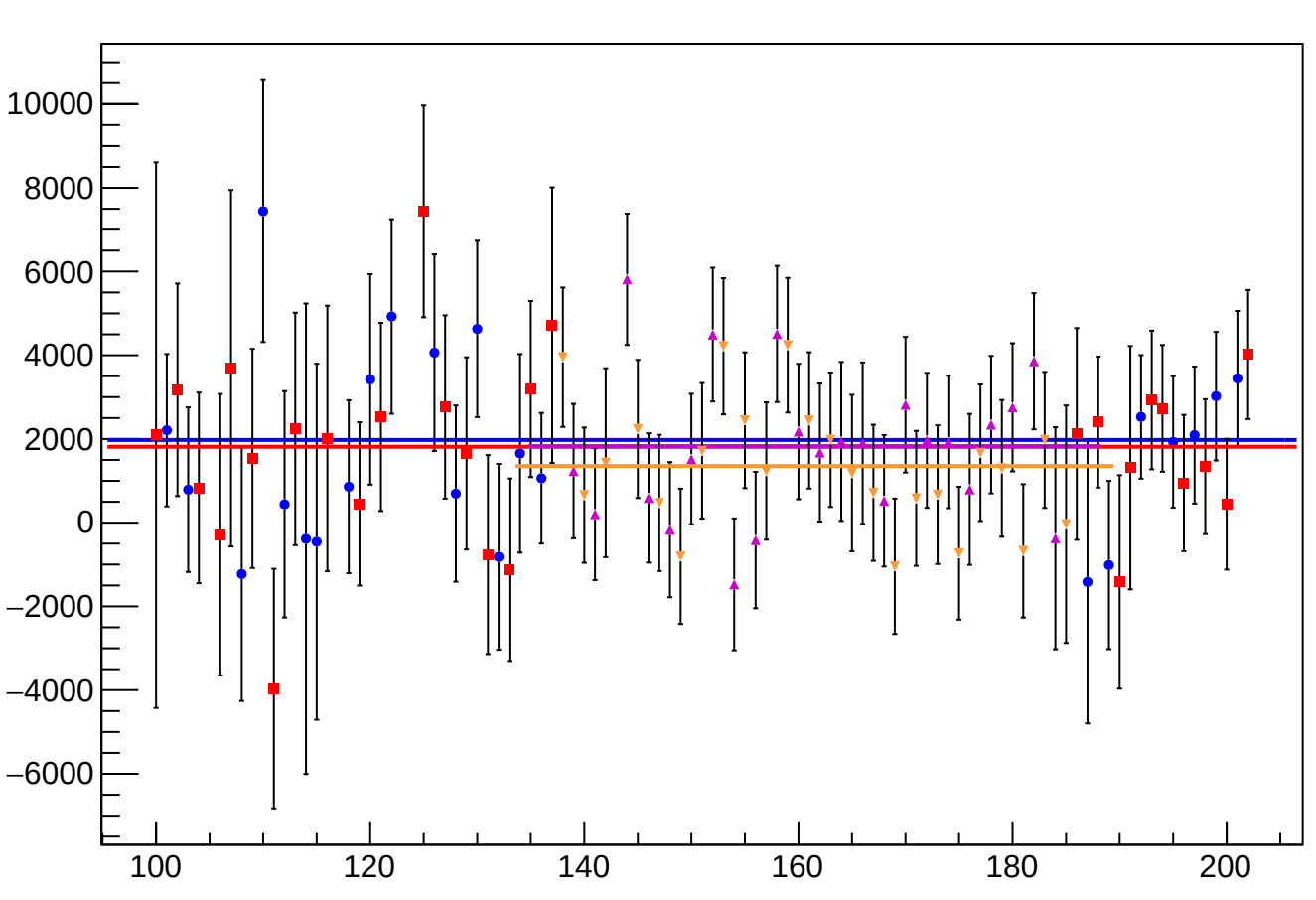
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 391.204+/-0.072 χ^2/NDF: 21316066.5/50

In: 741.848+/-0.103 χ^2/NDF:8460330.2/45

Out: 433.813+/-0.074 χ^2/NDF:28861641.6/51

All: 538.300+/-0.060 χ^2/NDF: 43221369.3/97



Right In: 1976.876+/-431.190 χ^2/NDF: 17.0/22

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1814.331+/-409.421 χ^2/NDF: 20.9/27

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

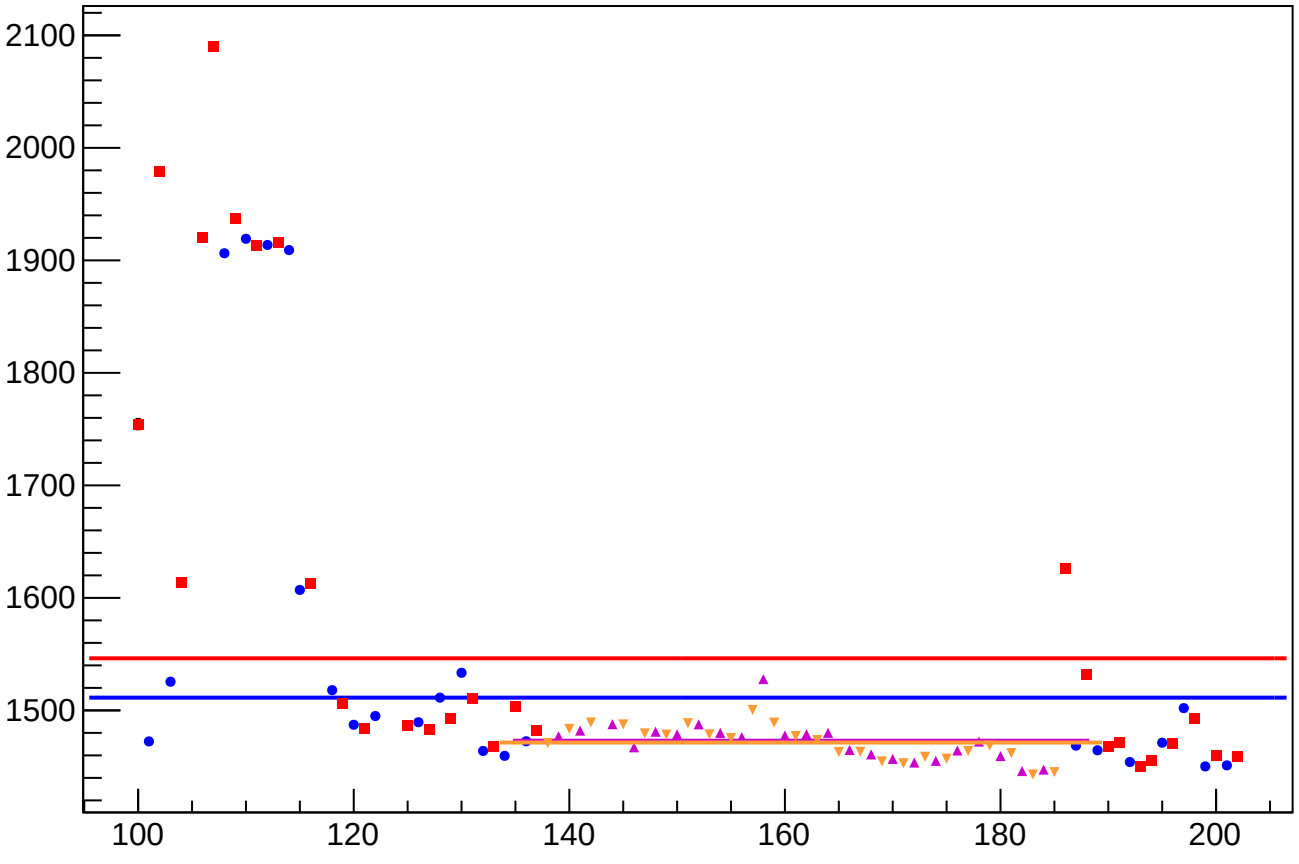
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1891.397+/-296.902 χ^2/NDF: 37.9/50

In: 1886.045+/-268.885 χ^2/NDF:42.9/45

Out: 1542.726+/-262.280 χ^2/NDF:40.6/51

All: 1710.117+/-187.752 χ^2/NDF: 84.3/97



Right In: 1511.338+/-0.305 χ^2/NDF: 139775.6/22

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1546.286+/-0.290 χ^2/NDF: 282441.8/27

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

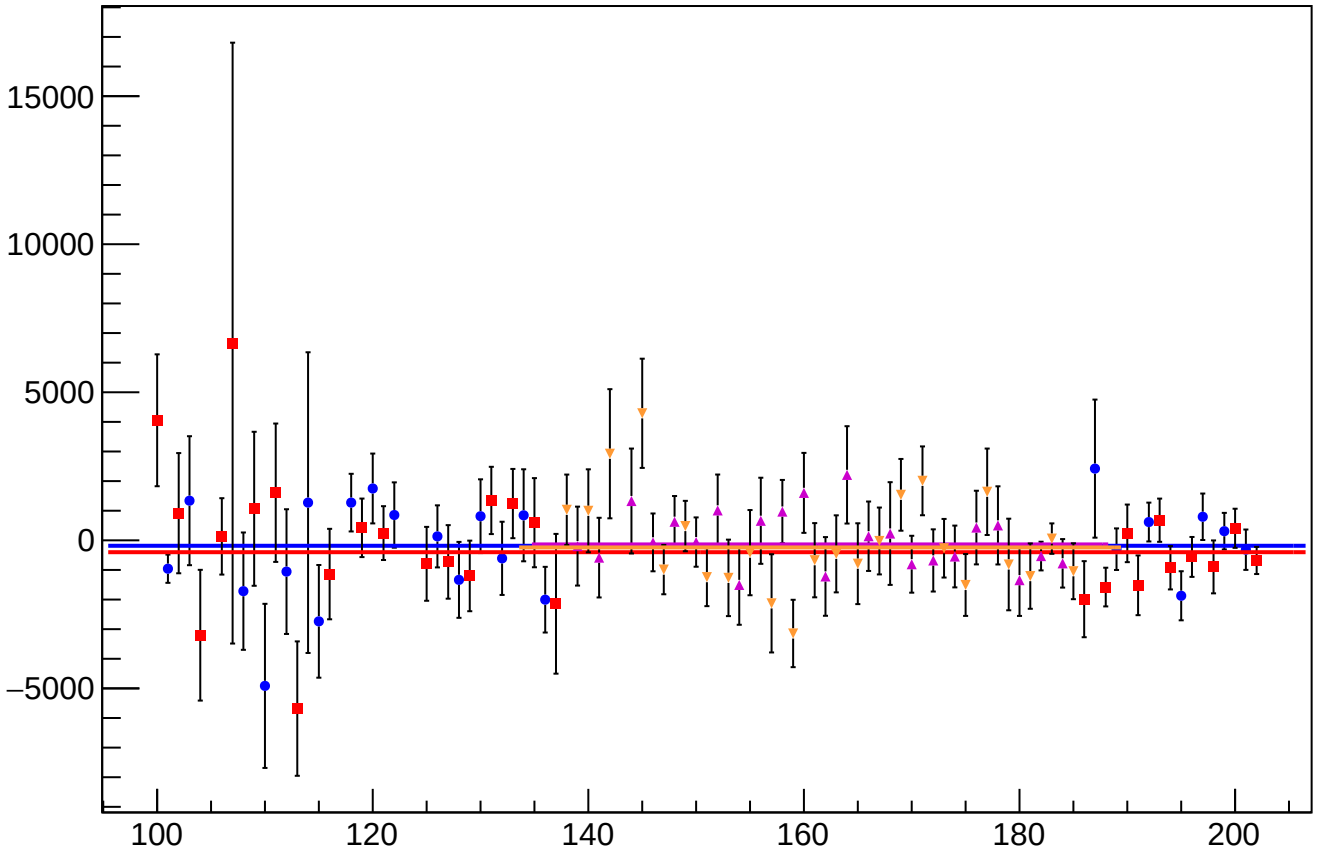
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1529.716+/-0.210 χ^2/NDF: 429126.4/50

In: 1487.938+/-0.190 χ^2/NDF:154164.8/45

Out: 1502.153+/-0.185 χ^2/NDF:325291.0/51

All: 1495.223+/-0.133 χ^2/NDF: 482320.3/97



Right In: -183.805+/-201.740 χ^2/NDF: 28.5/22

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -400.685+/-189.609 χ^2/NDF: 31.9/27

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

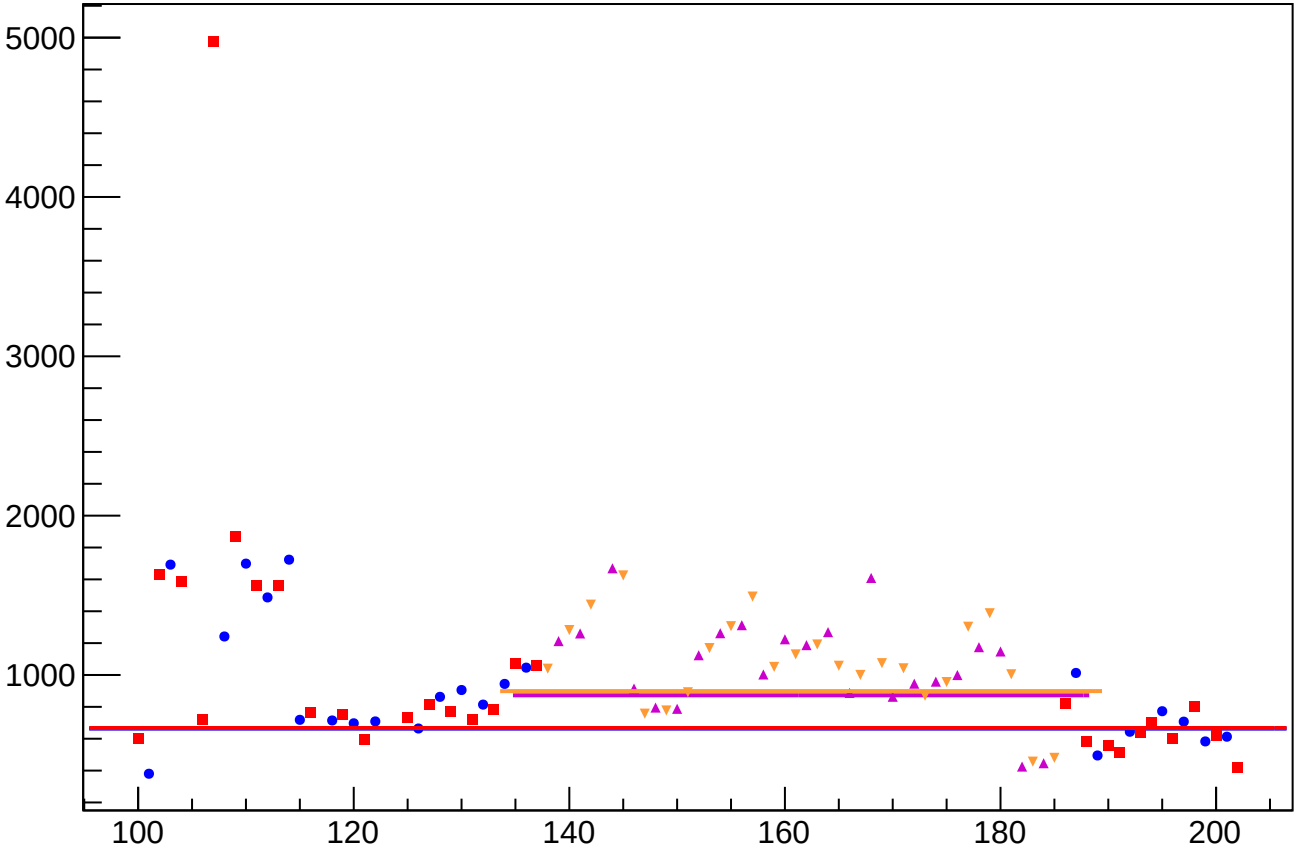
Right: -298.961+/-138.164 χ^2/NDF: 61.0/50

In: -162.918+/-148.216 χ^2/NDF:41.5/45

Out: -332.947+/-144.121 χ^2/NDF:64.7/51

All: -250.314+/-103.326 χ^2/NDF: 106.8/97

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.504+/-0.143 χ^2/NDF: 2711816.2/22

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 667.296+/-0.134 χ^2/NDF: 3319495.1/27

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

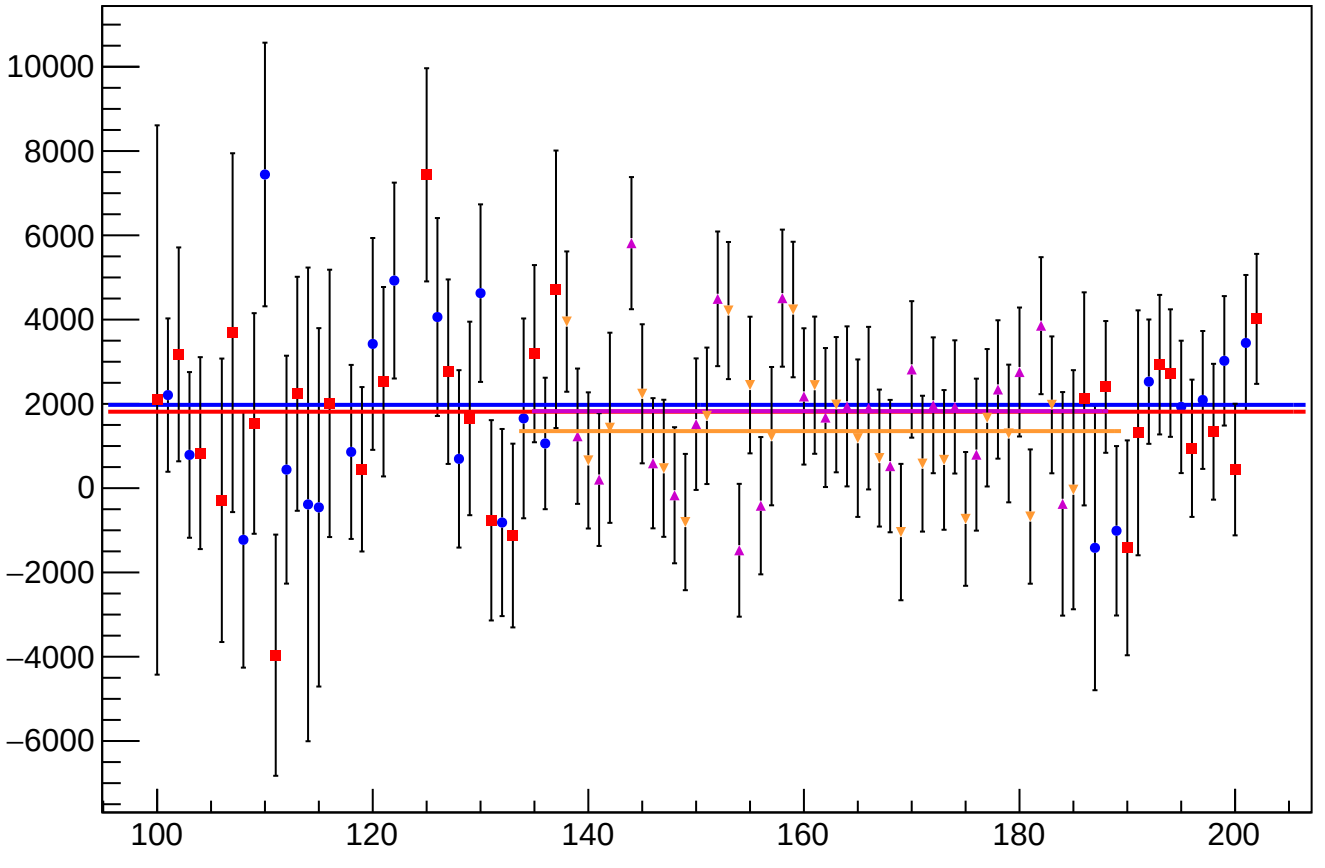
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 665.517+/-0.098 χ^2/NDF: 6031686.6/50

In: 759.678+/-0.105 χ^2/NDF:8134939.1/45

Out: 765.071+/-0.102 χ^2/NDF:8370500.7/51

All: 762.450+/-0.073 χ^2/NDF: 16506801.1/97



Right In: 1976.874+/-431.190 χ^2/NDF: 17.0/22

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1814.329+/-409.421 χ^2/NDF: 20.9/27

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

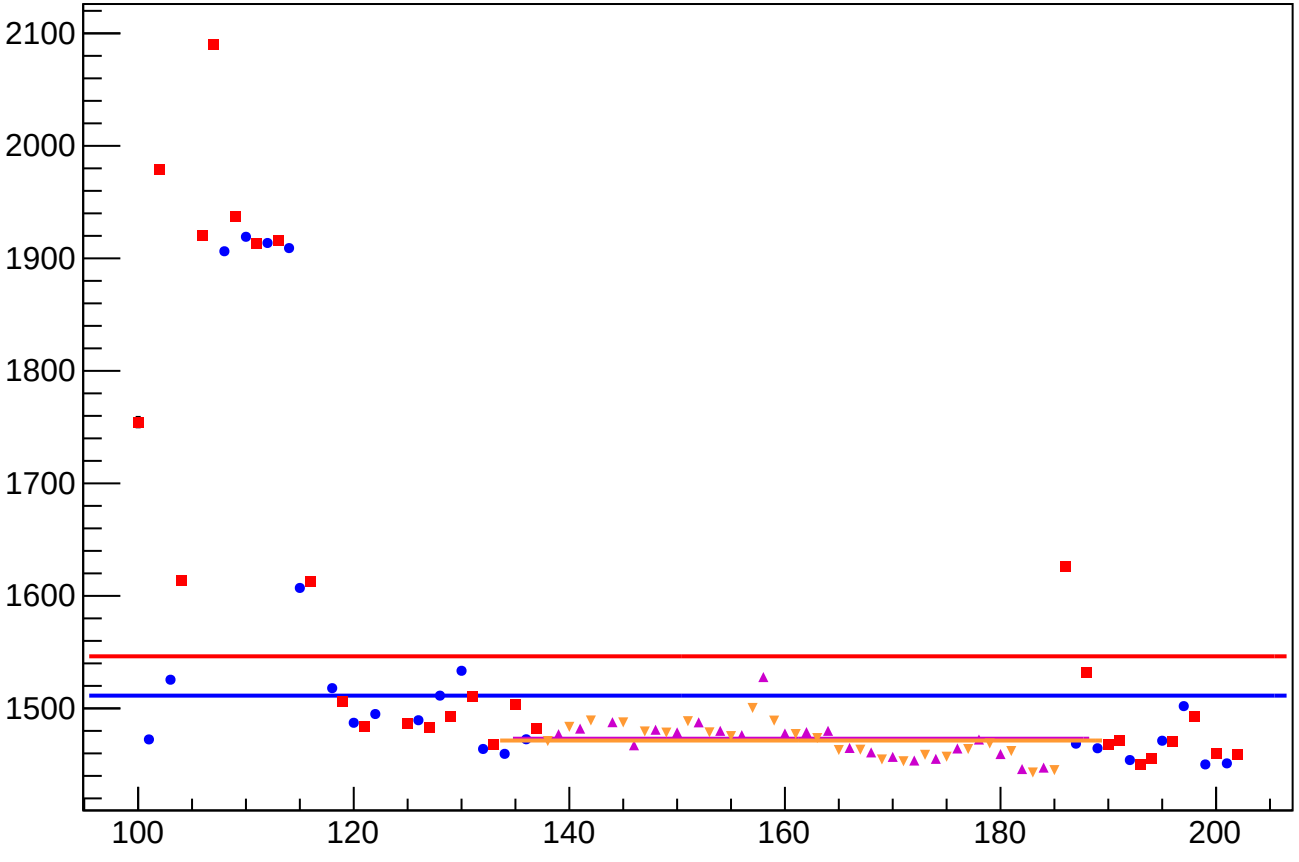
Right: 1891.395+/-296.902 χ^2/NDF: 37.9/50

In: 1886.045+/-268.885 χ^2/NDF:42.9/45

Out: 1542.725+/-262.280 χ^2/NDF:40.6/51

All: 1710.116+/-187.752 χ^2/NDF: 84.3/97

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1511.338+/-0.305 χ^2/NDF: 139775.5/22

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1546.286+/-0.290 χ^2/NDF: 282441.4/27

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

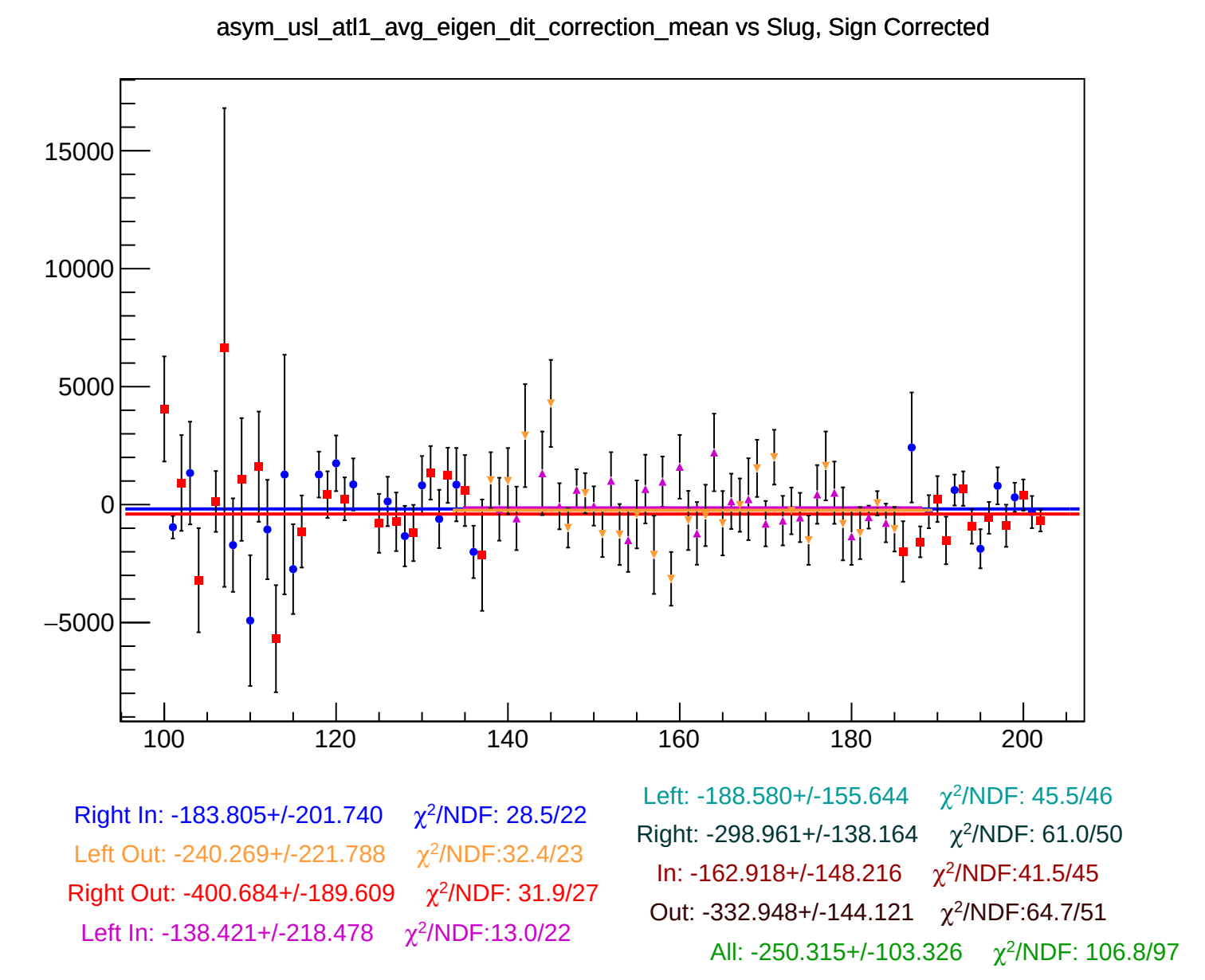
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1529.716+/-0.210 χ^2/NDF: 429126.0/50

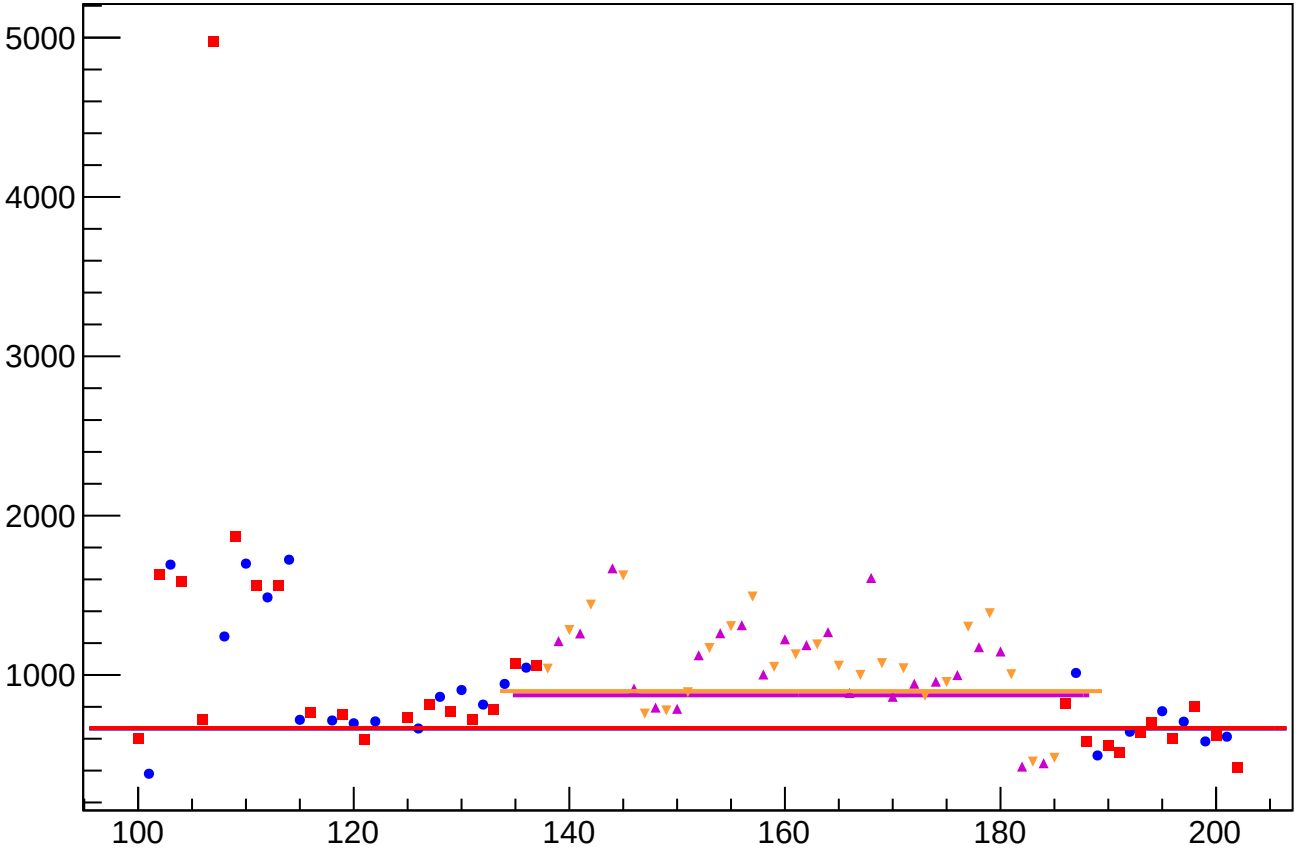
In: 1487.938+/-0.190 χ^2/NDF:154164.7/45

Out: 1502.153+/-0.185 χ^2/NDF:325290.4/51

All: 1495.222+/-0.133 χ^2/NDF: 482319.7/97


asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -183.805+/-201.740 χ²/NDF: 28.5/22
Left Out: -240.269+/-221.788 χ²/NDF:32.4/23
Right Out: -400.684+/-189.609 χ²/NDF: 31.9/27
Left In: -138.421+/-218.478 χ²/NDF:13.0/22
Left: -188.580+/-155.644 χ²/NDF: 45.5/46
Right: -298.961+/-138.164 χ²/NDF: 61.0/50
In: -162.918+/-148.216 χ²/NDF:41.5/45
Out: -332.948+/-144.121 χ²/NDF:64.7/51
All: -250.315+/-103.326 χ²/NDF: 106.8/97

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.504+/-0.143 χ^2/NDF: 2711808.5/22

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 667.296+/-0.134 χ^2/NDF: 3319491.9/27

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

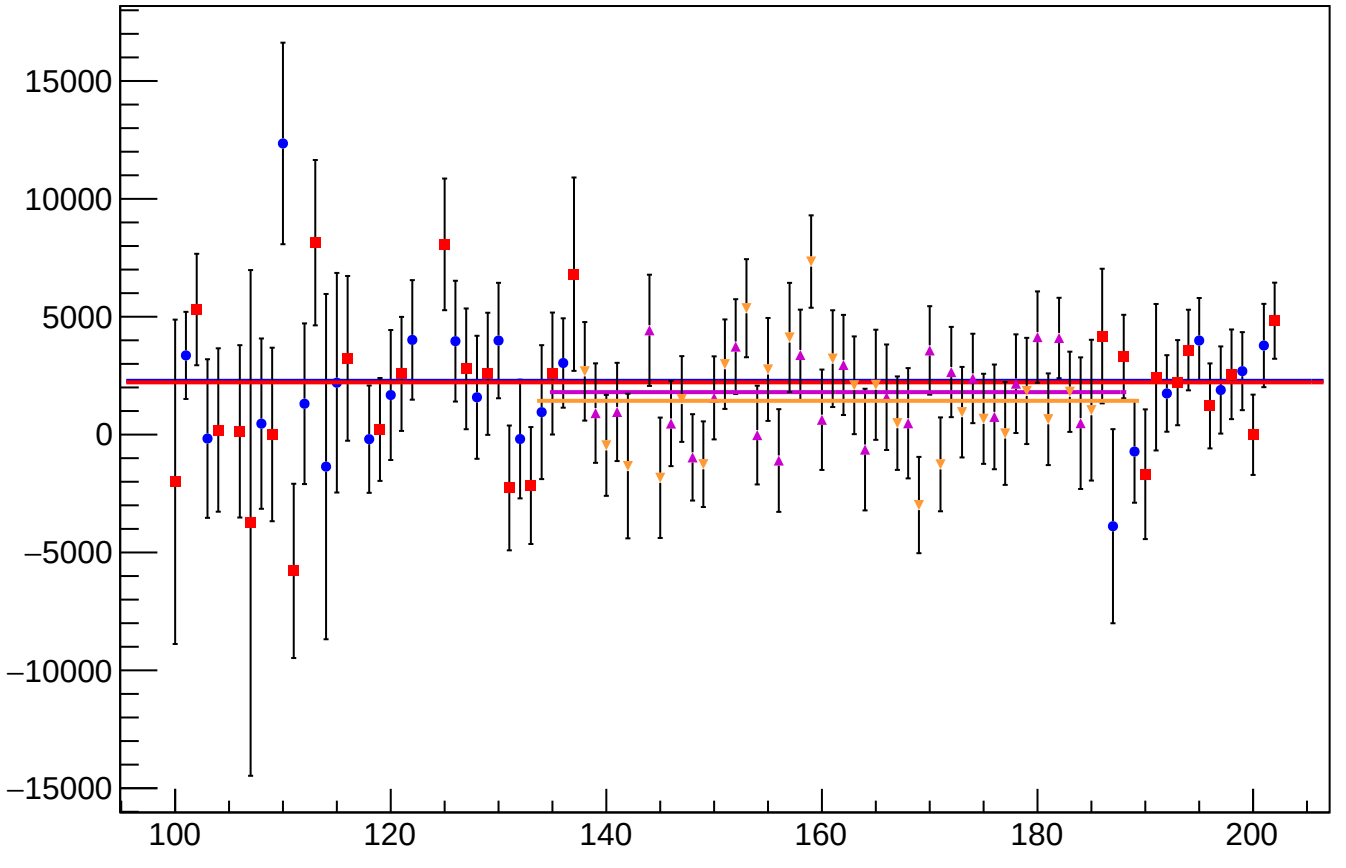
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 665.517+/-0.098 χ^2/NDF: 6031675.7/50

In: 759.678+/-0.105 χ^2/NDF:8134944.4/45

Out: 765.071+/-0.102 χ^2/NDF:8370513.5/51

All: 762.450+/-0.073 χ^2/NDF: 16506819.0/97



Right In: 2281.372+/-493.559 χ^2/NDF: 17.0/22

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2216.779+/-464.242 χ^2/NDF: 31.8/27

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

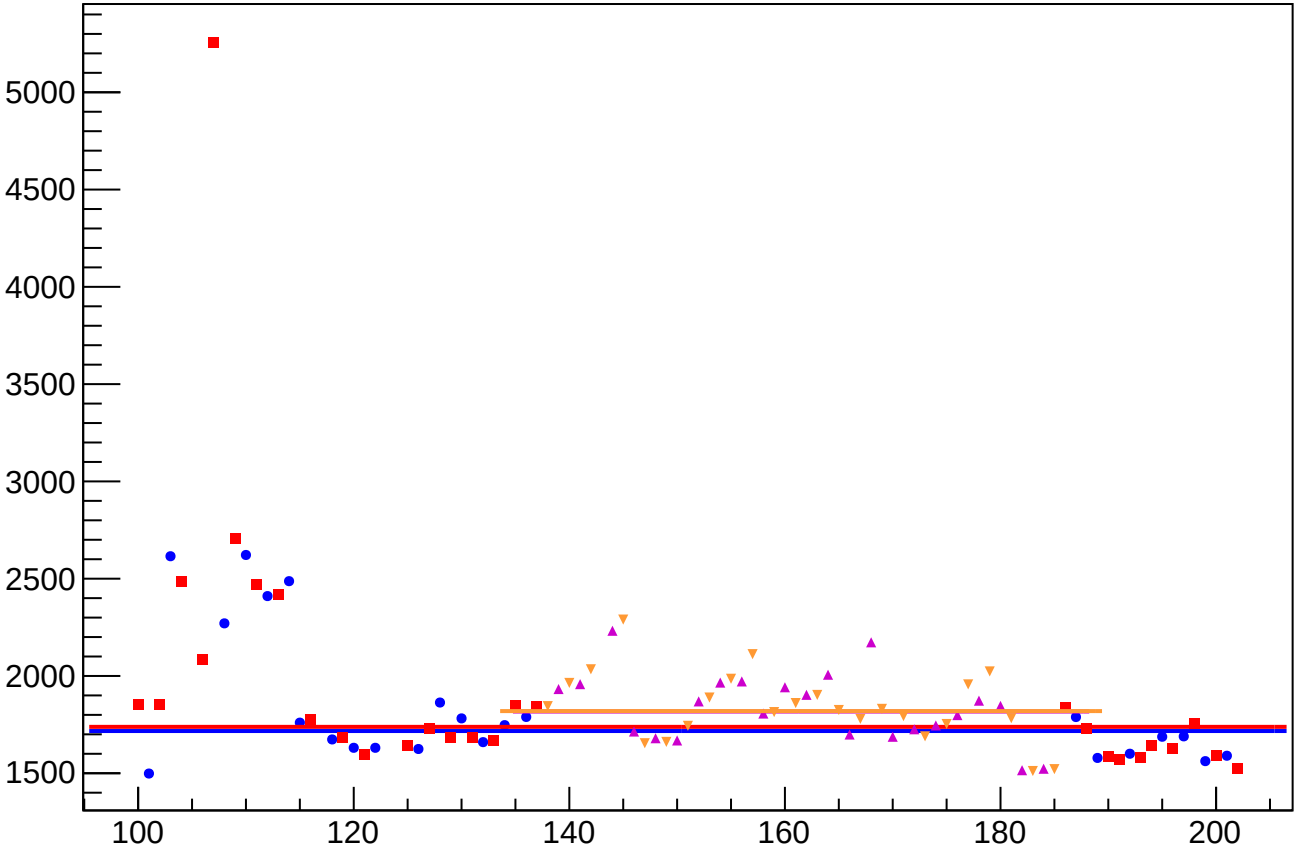
Right: 2247.100+/-338.158 χ^2/NDF: 48.8/50

In: 2006.660+/-322.698 χ^2/NDF:32.8/45

Out: 1790.050+/-313.262 χ^2/NDF:62.7/51

All: 1895.142+/-224.772 χ^2/NDF: 95.8/97

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1716.945+/-0.349 χ^2/NDF: 479551.3/22

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1738.439+/-0.328 χ^2/NDF: 736157.9/27

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

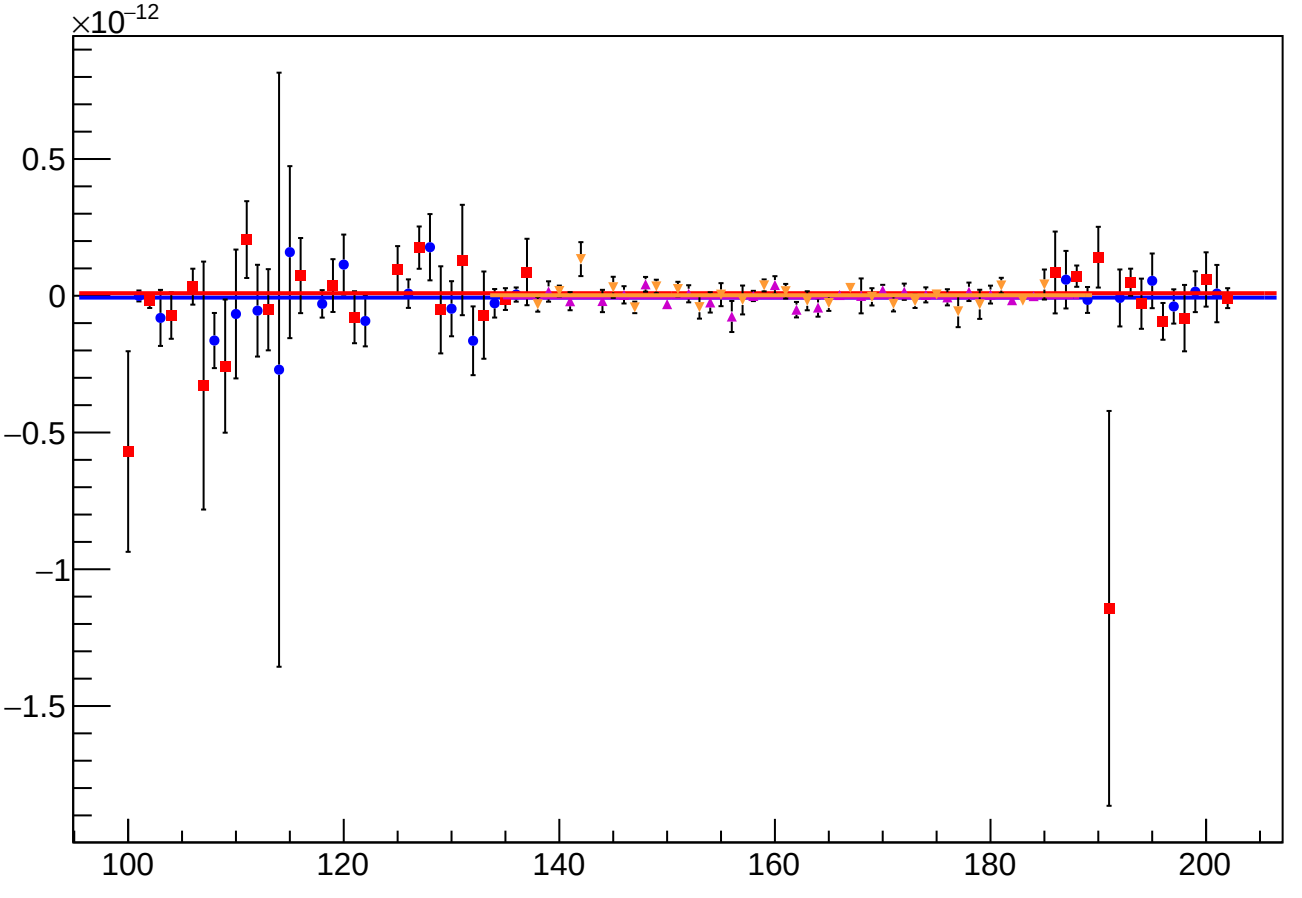
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1728.349+/-0.239 χ^2/NDF: 1217721.7/50

In: 1774.309+/-0.228 χ^2/NDF:833844.4/45

Out: 1782.545+/-0.222 χ^2/NDF:1064317.4/51

All: 1778.550+/-0.159 χ^2/NDF: 1898832.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/27

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

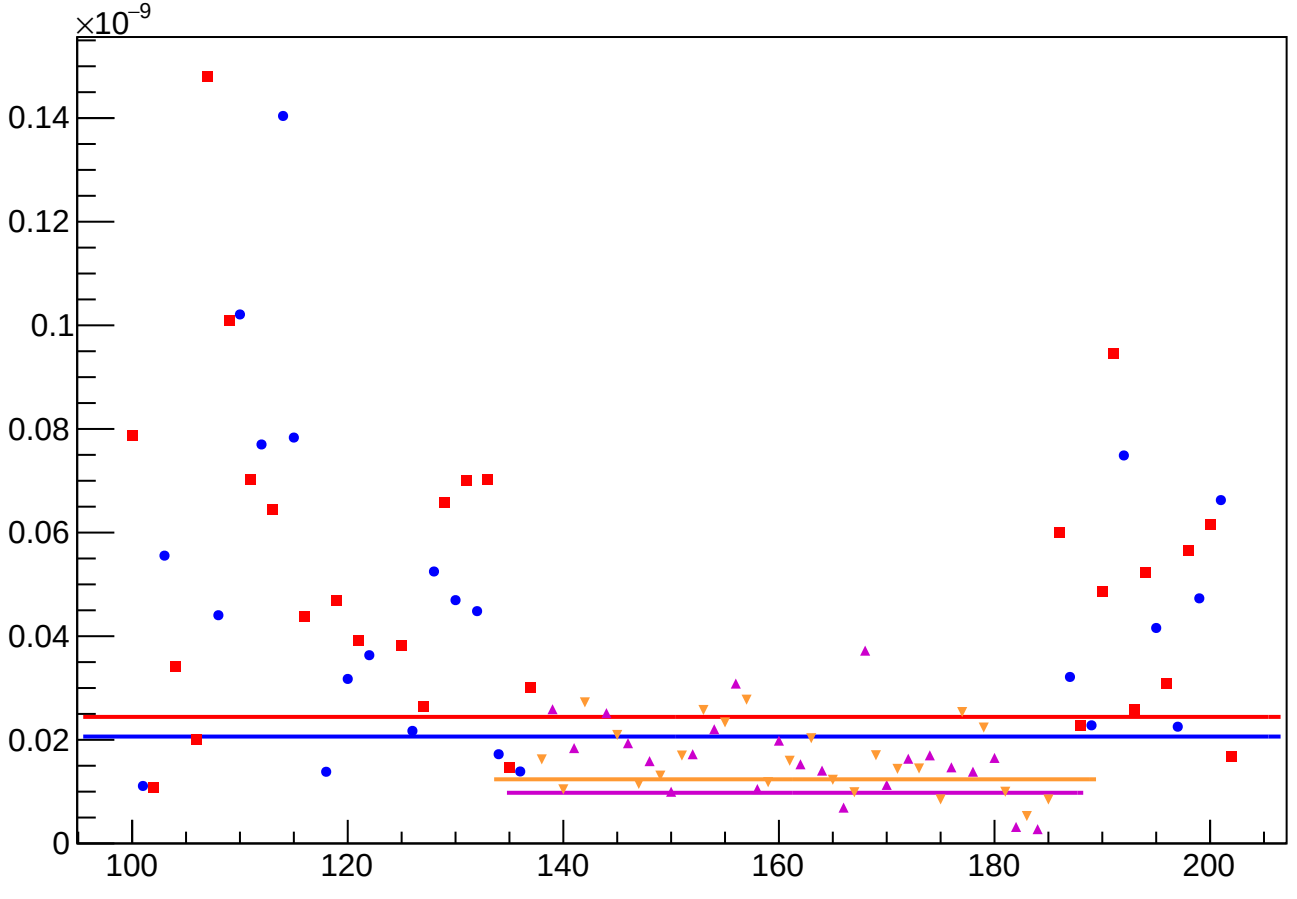
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 40.2/50

In: -0.000+/-0.000 χ^2/NDF:29.4/45

Out: 0.000+/-0.000 χ^2/NDF:57.5/51

All: -0.000+/-0.000 χ^2/NDF: 88.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 3253578.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3080311.7/27

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

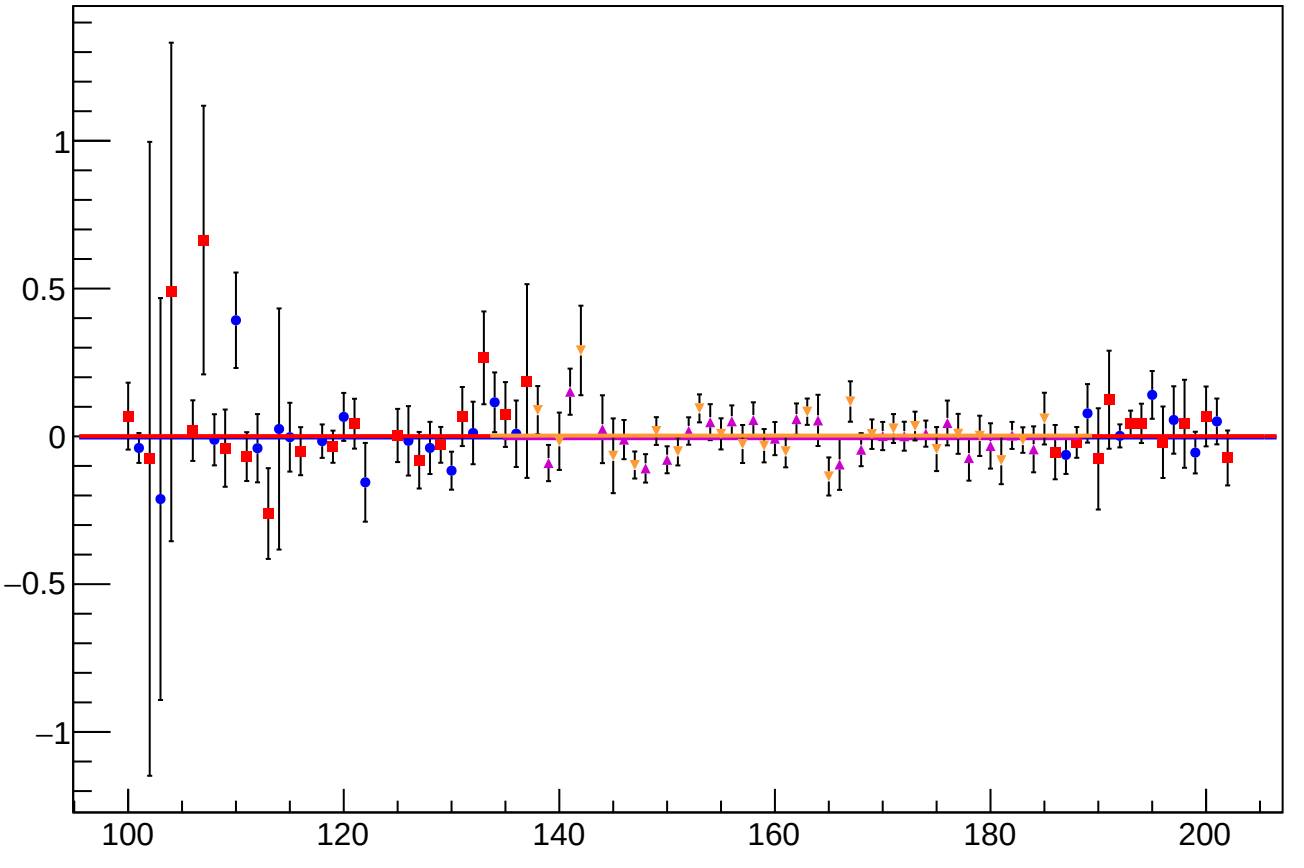
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 6426087.4/50

In: 0.000+/-0.000 χ^2/NDF:9195763.9/45

Out: 0.000+/-0.000 χ^2/NDF:6440587.7/51

All: 0.000+/-0.000 χ^2/NDF: 16022513.8/97



Right In: -0.004+/-0.017 χ^2/NDF: 19.5/22

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.017 χ^2/NDF: 16.5/27

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

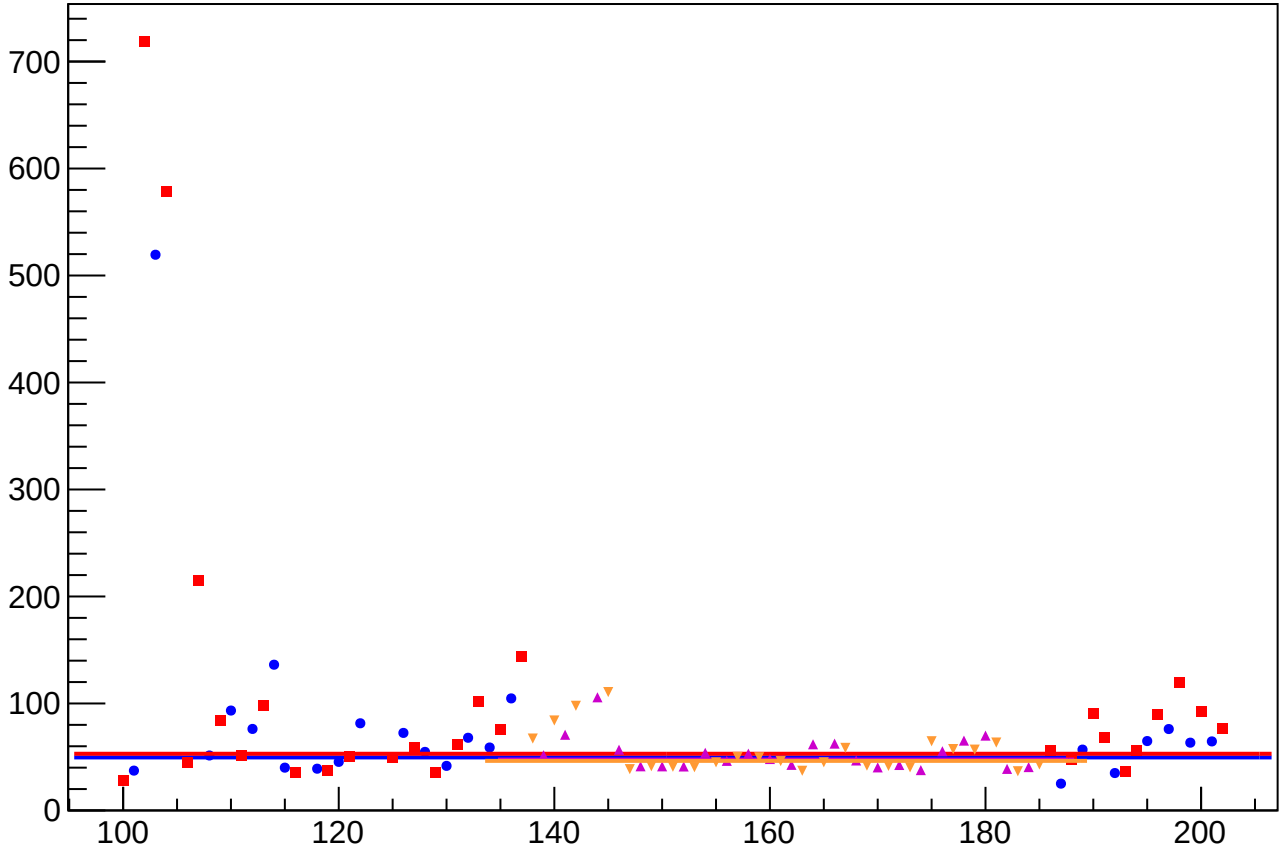
Right: -0.002+/-0.012 χ^2/NDF: 36.0/50

In: -0.005+/-0.010 χ^2/NDF:41.1/45

Out: 0.002+/-0.010 χ^2/NDF:46.4/51

All: -0.002+/-0.007 χ^2/NDF: 87.7/97

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.563+/-0.012 χ^2/NDF: 3206000.5/22

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 52.990+/-0.012 χ^2/NDF: 4518509.5/27

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

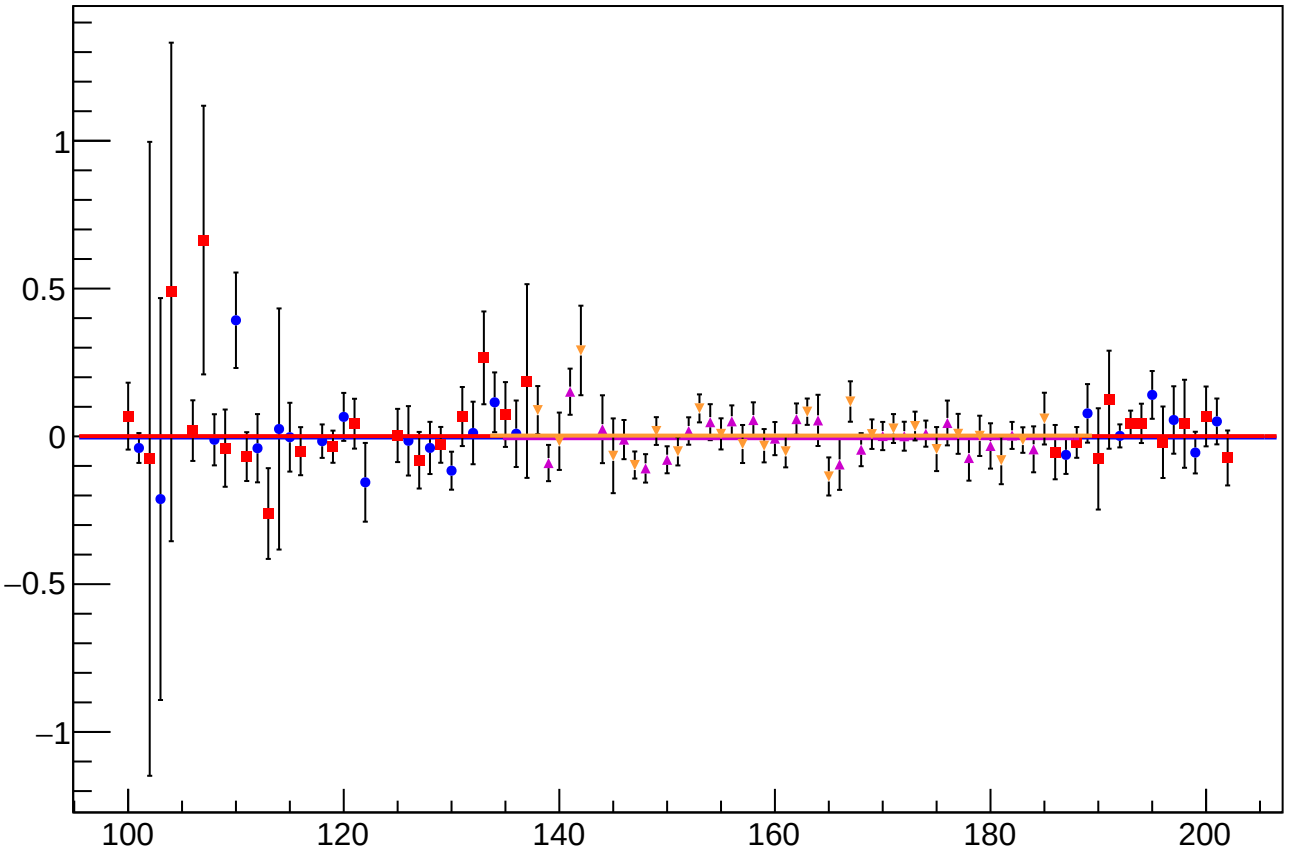
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 51.248+/-0.008 χ^2/NDF: 7765492.0/50

In: 48.257+/-0.007 χ^2/NDF:4800627.4/45

Out: 48.522+/-0.007 χ^2/NDF:6689750.6/51

All: 48.391+/-0.005 χ^2/NDF: 11491110.2/97



Right In: -0.004+/-0.017 χ^2/NDF: 19.5/22

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.017 χ^2/NDF: 16.5/27

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

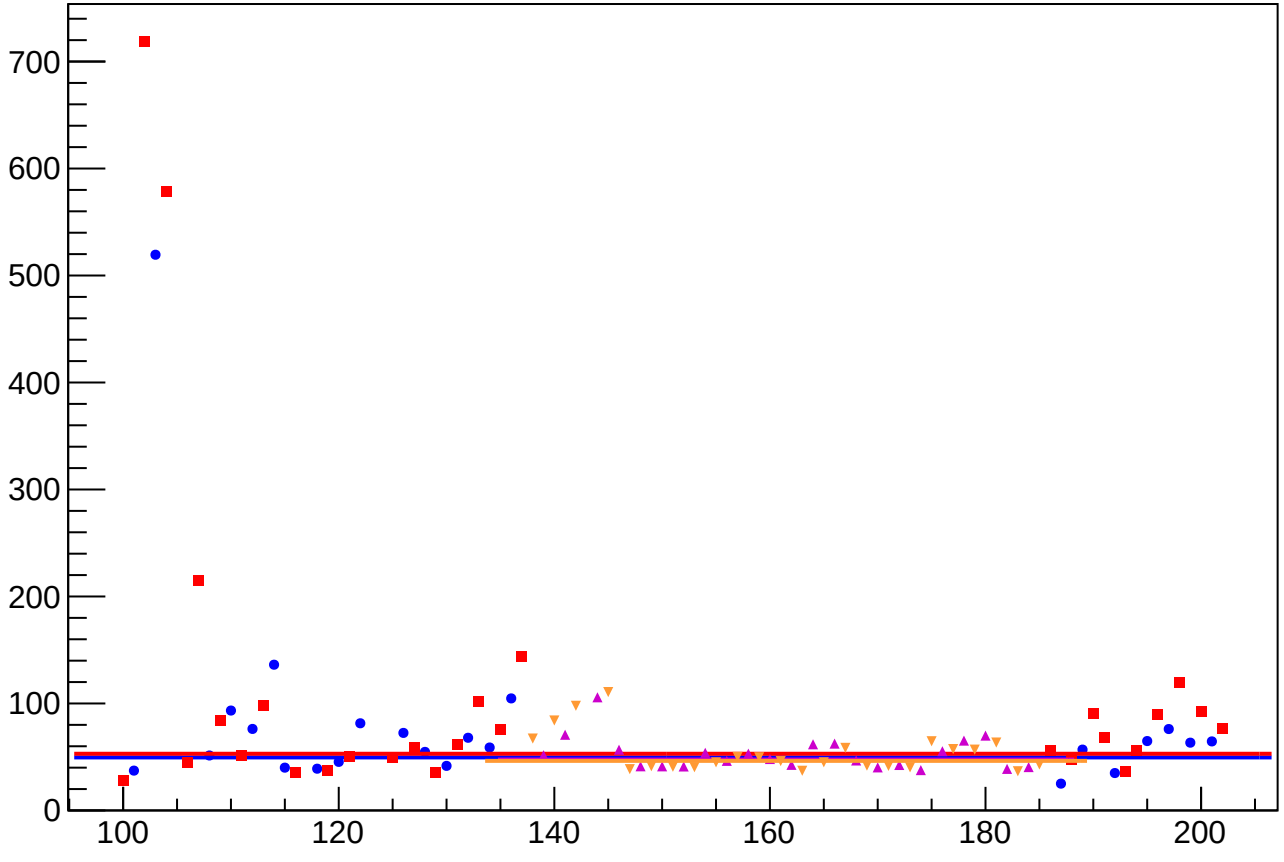
Right: -0.002+/-0.012 χ^2/NDF: 36.0/50

In: -0.005+/-0.010 χ^2/NDF:41.1/45

Out: 0.002+/-0.010 χ^2/NDF:46.4/51

All: -0.002+/-0.007 χ^2/NDF: 87.7/97

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.563+/-0.012 χ^2/NDF: 3206000.5/22

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 52.990+/-0.012 χ^2/NDF: 4518509.5/27

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

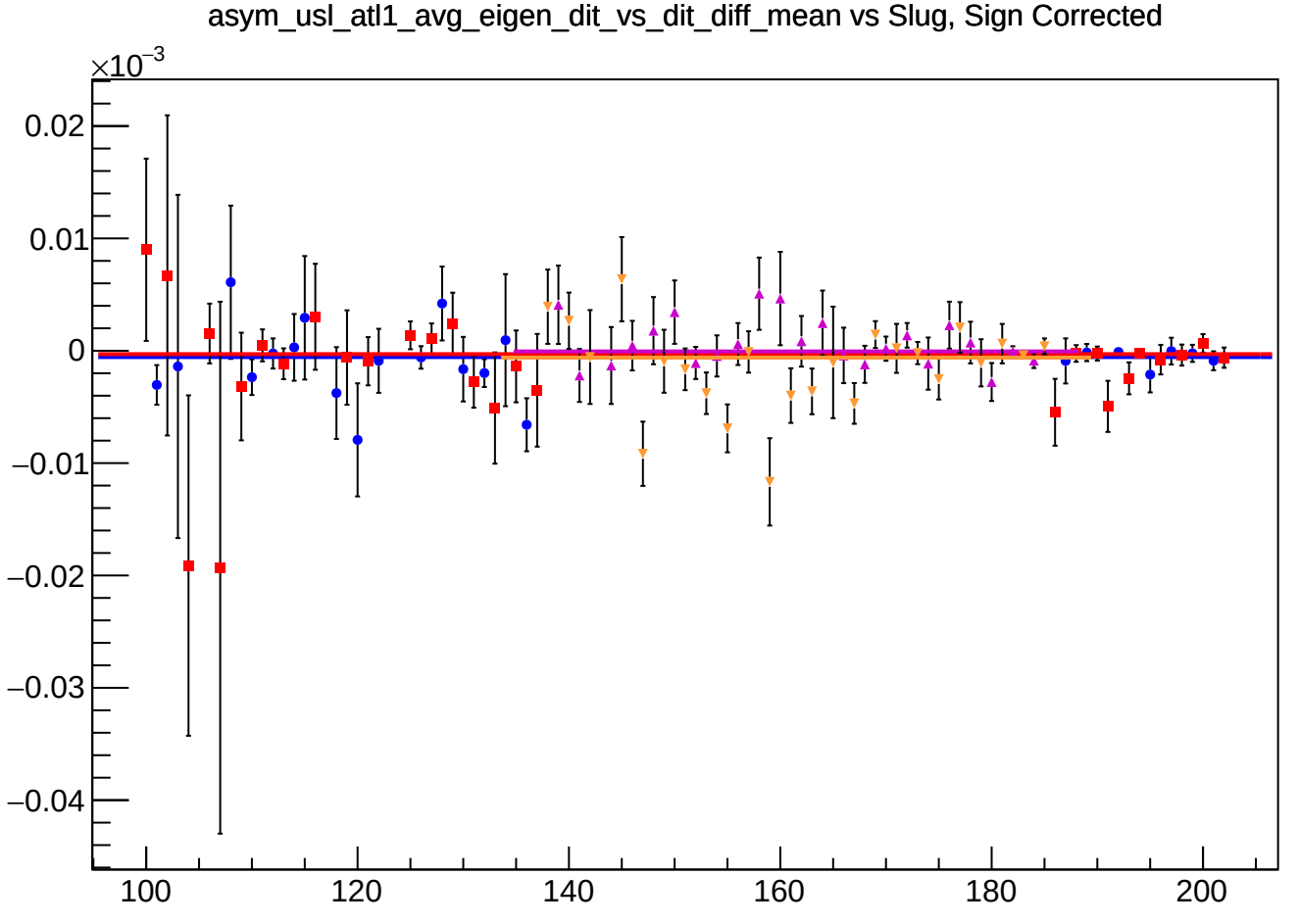
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 51.248+/-0.008 χ^2/NDF: 7765492.0/50

In: 48.257+/-0.007 χ^2/NDF:4800627.4/45

Out: 48.522+/-0.007 χ^2/NDF:6689750.6/51

All: 48.391+/-0.005 χ^2/NDF: 11491110.2/97



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/27

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

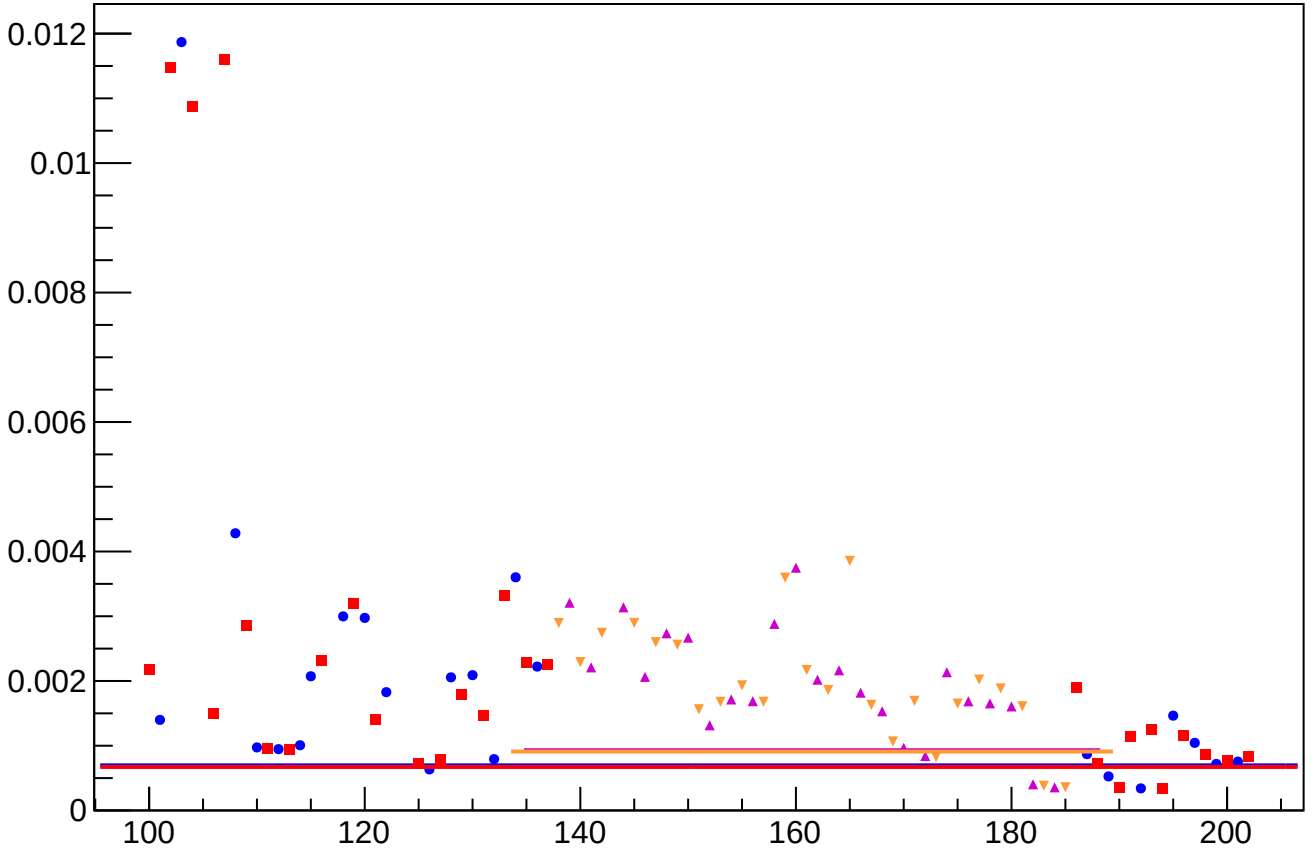
Right: -0.000+/-0.000 χ^2/NDF: 44.7/50

In: -0.000+/-0.000 χ^2/NDF:40.4/45

Out: -0.000+/-0.000 χ^2/NDF:78.0/51

All: -0.000+/-0.000 χ^2/NDF: 118.5/97

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8008394.5/22

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9696586.8/27

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

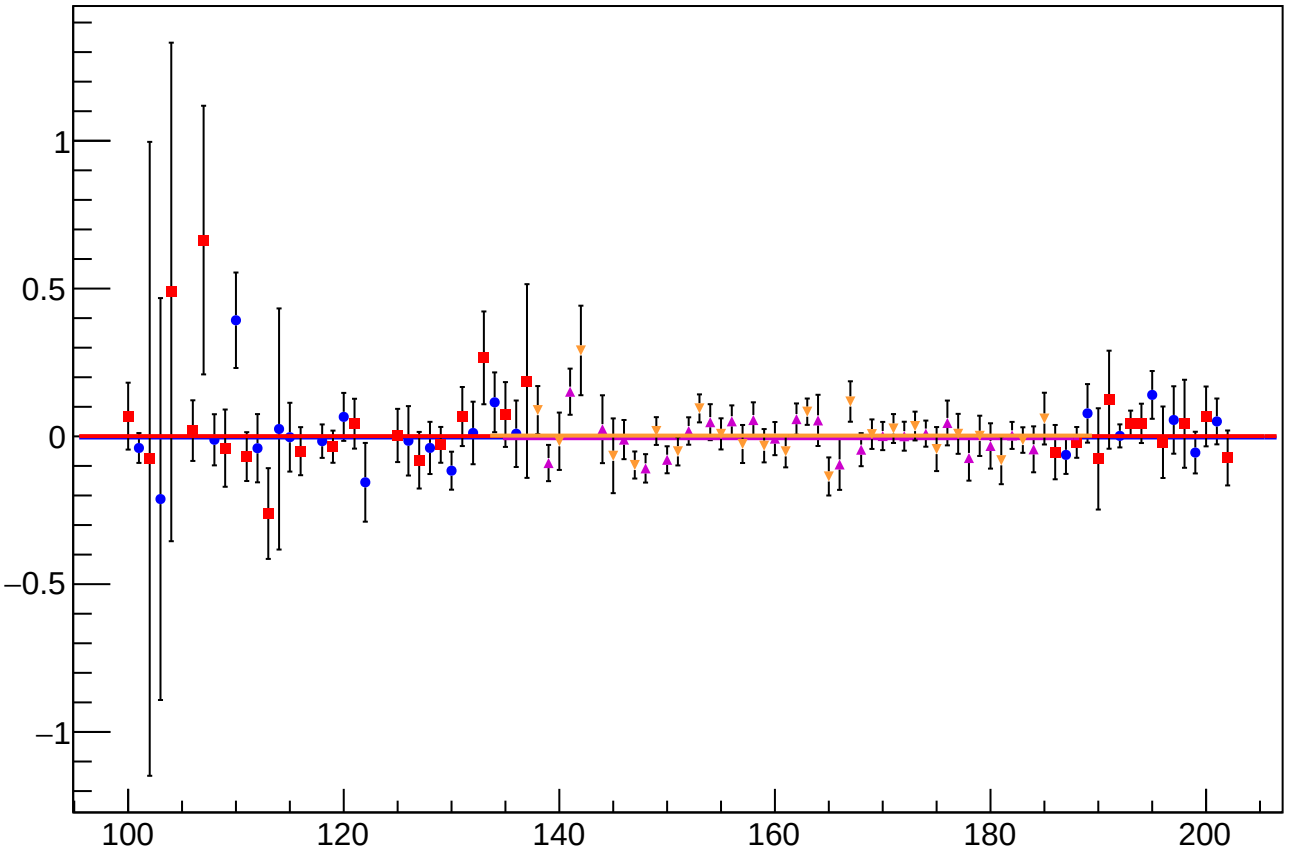
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 17715861.4/50

In: 0.001+/-0.000 χ^2/NDF:22468515.9/45

Out: 0.001+/-0.000 χ^2/NDF:24722763.2/51

All: 0.001+/-0.000 χ^2/NDF: 47226344.3/97



Right In: -0.004+/-0.017 χ^2/NDF: 19.5/22

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.017 χ^2/NDF: 16.5/27

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

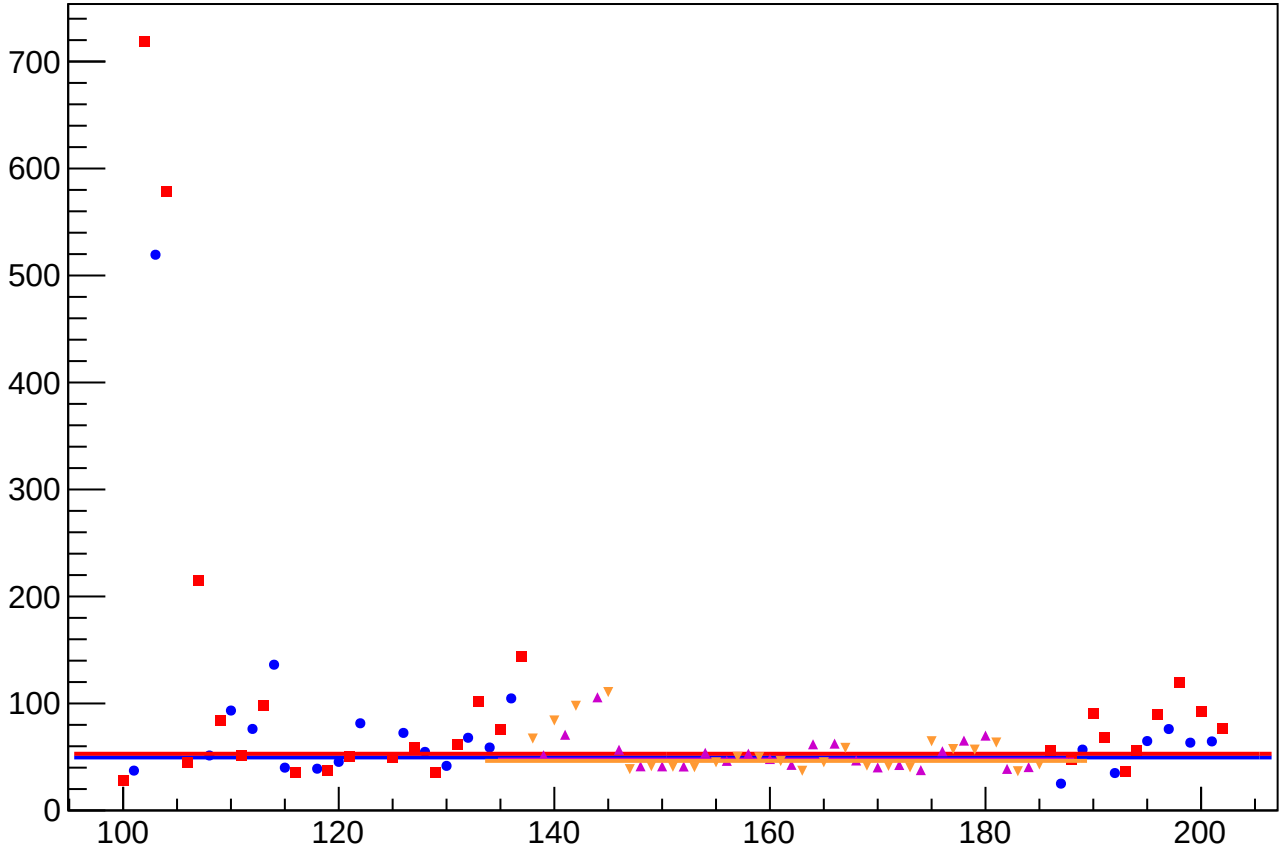
Right: -0.002+/-0.012 χ^2/NDF: 36.0/50

In: -0.005+/-0.010 χ^2/NDF:41.1/45

Out: 0.002+/-0.010 χ^2/NDF:46.4/51

All: -0.002+/-0.007 χ^2/NDF: 87.7/97

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.563+/-0.012 χ^2/NDF: 3206002.8/22

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 52.990+/-0.012 χ^2/NDF: 4518523.7/27

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

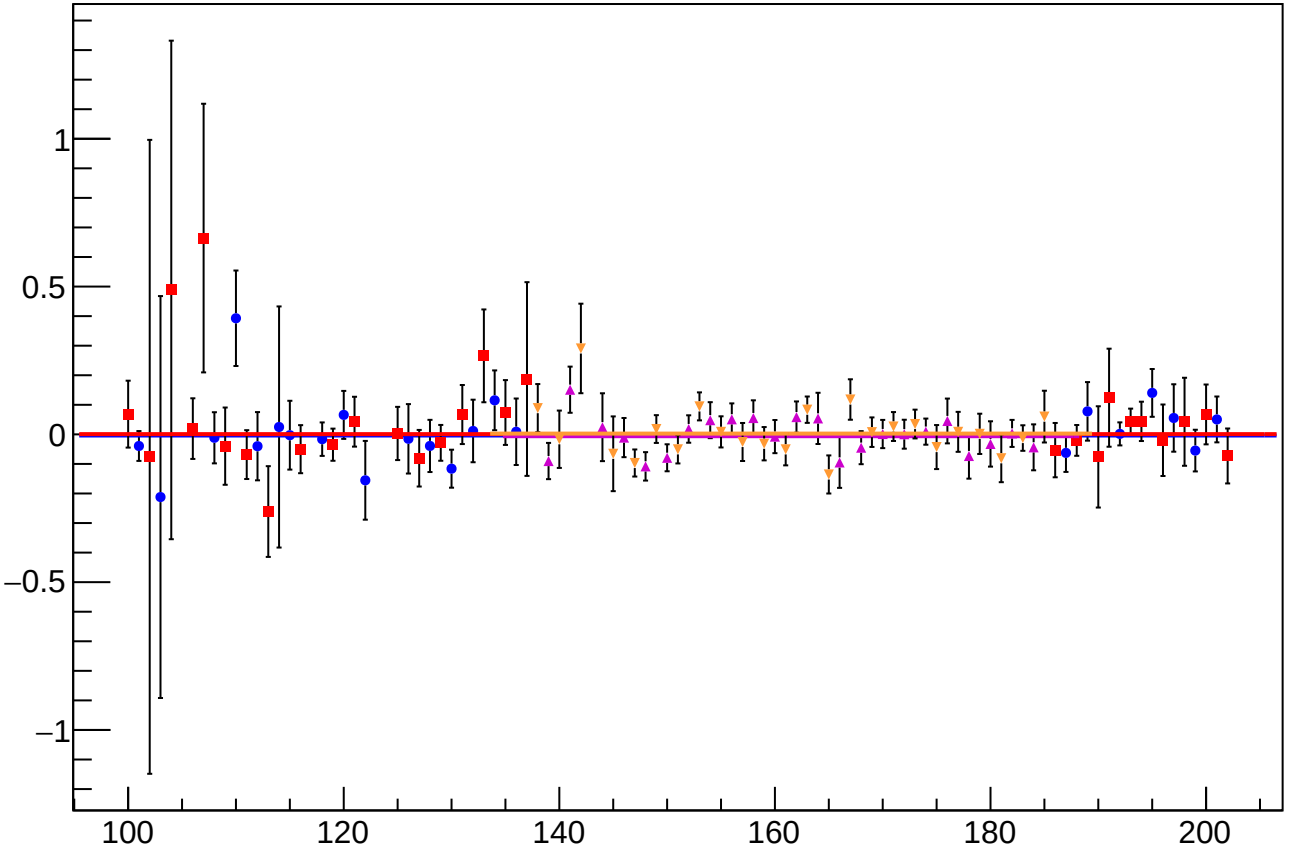
Right: 51.248+/-0.008 χ^2/NDF: 7765504.1/50

In: 48.257+/-0.007 χ^2/NDF:4800635.4/45

Out: 48.522+/-0.007 χ^2/NDF:6689727.1/51

All: 48.391+/-0.005 χ^2/NDF: 11491094.9/97

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.017 χ^2/NDF: 19.5/22

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.017 χ^2/NDF: 16.5/27

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

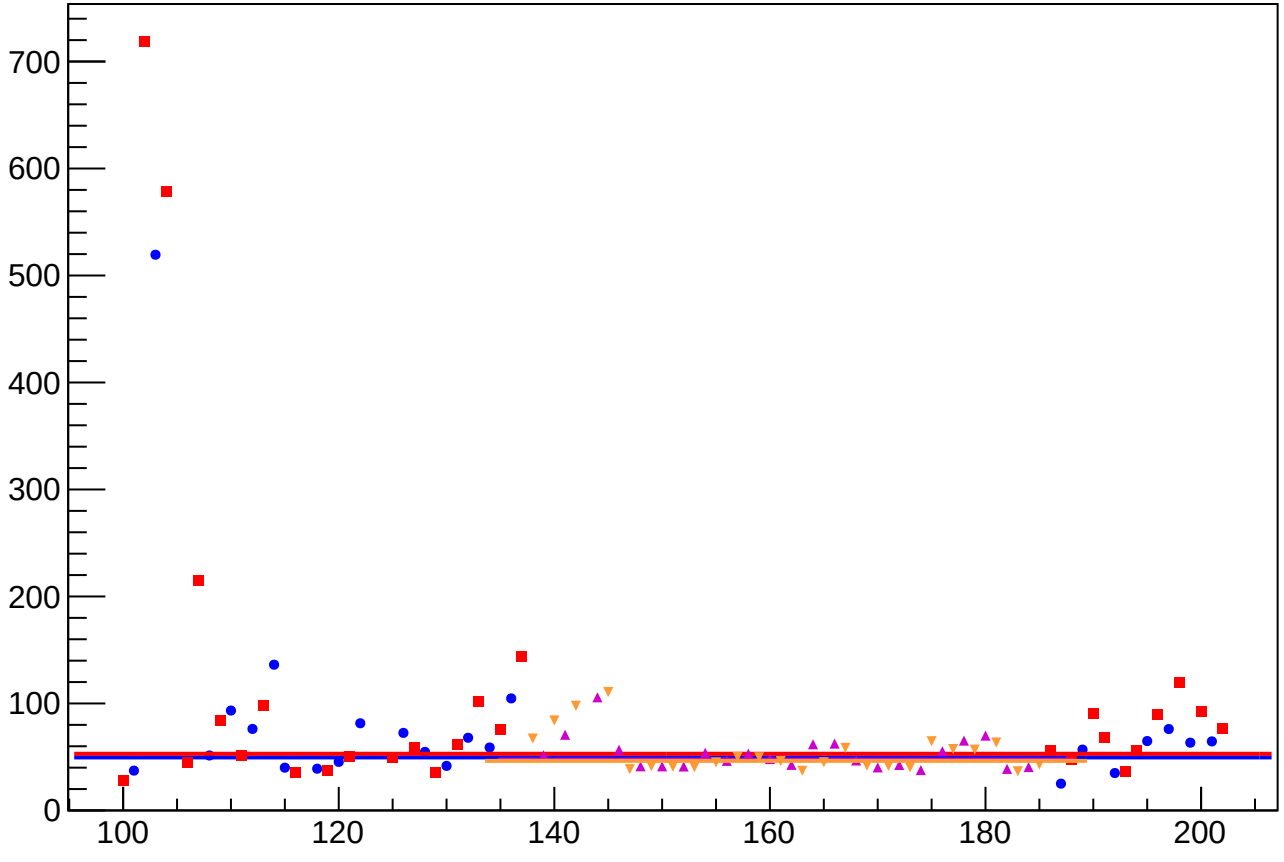
Right: -0.002+/-0.012 χ^2/NDF: 36.0/50

In: -0.005+/-0.010 χ^2/NDF:41.1/45

Out: 0.002+/-0.010 χ^2/NDF:46.4/51

All: -0.002+/-0.007 χ^2/NDF: 87.7/97

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.563+/-0.012 χ^2/NDF: 3206002.8/22

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 52.990+/-0.012 χ^2/NDF: 4518523.7/27

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

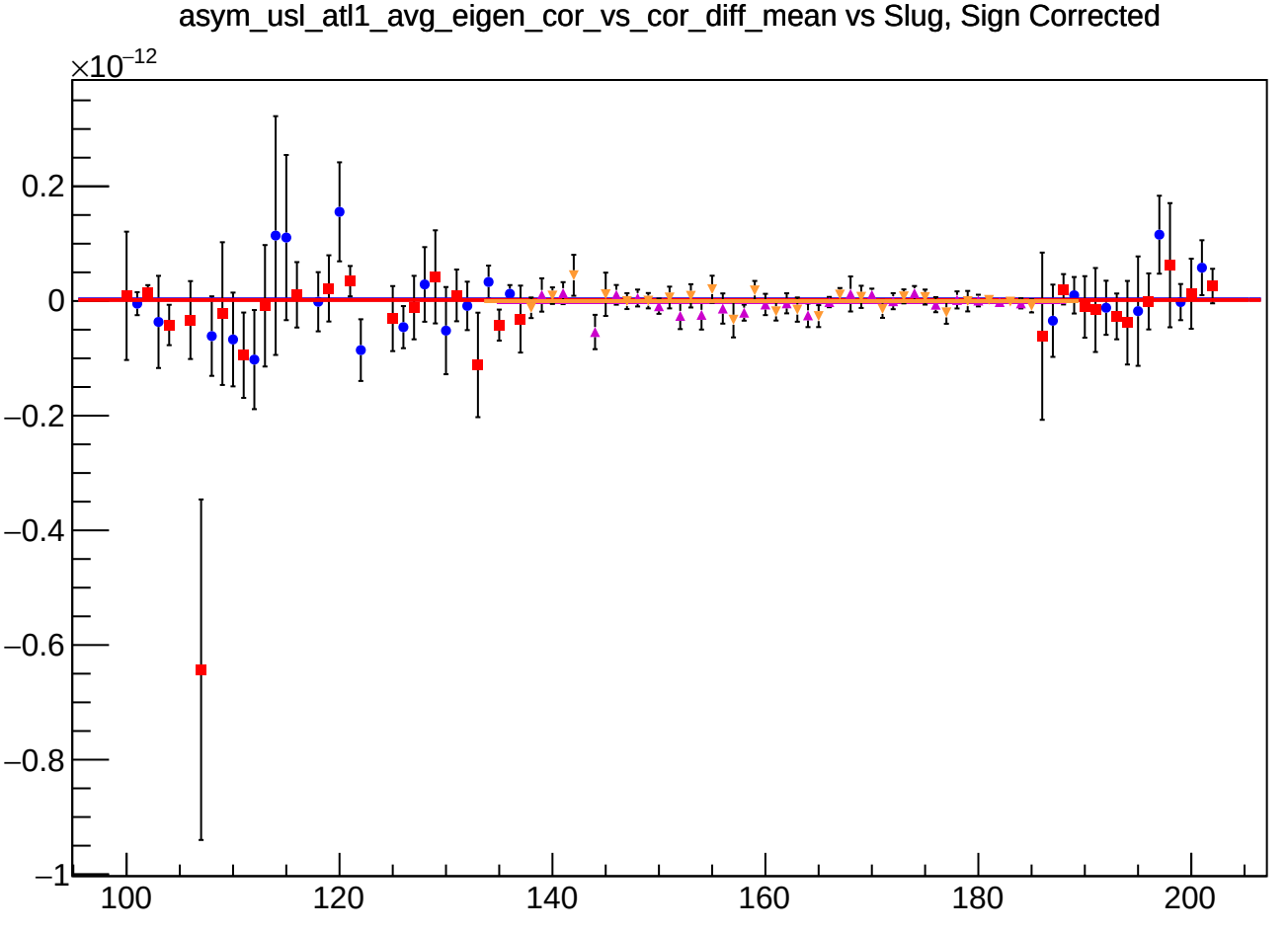
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 51.248+/-0.008 χ^2/NDF: 7765504.1/50

In: 48.257+/-0.007 χ^2/NDF:4800635.4/45

Out: 48.522+/-0.007 χ^2/NDF:6689727.1/51

All: 48.391+/-0.005 χ^2/NDF: 11491094.9/97



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/27

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

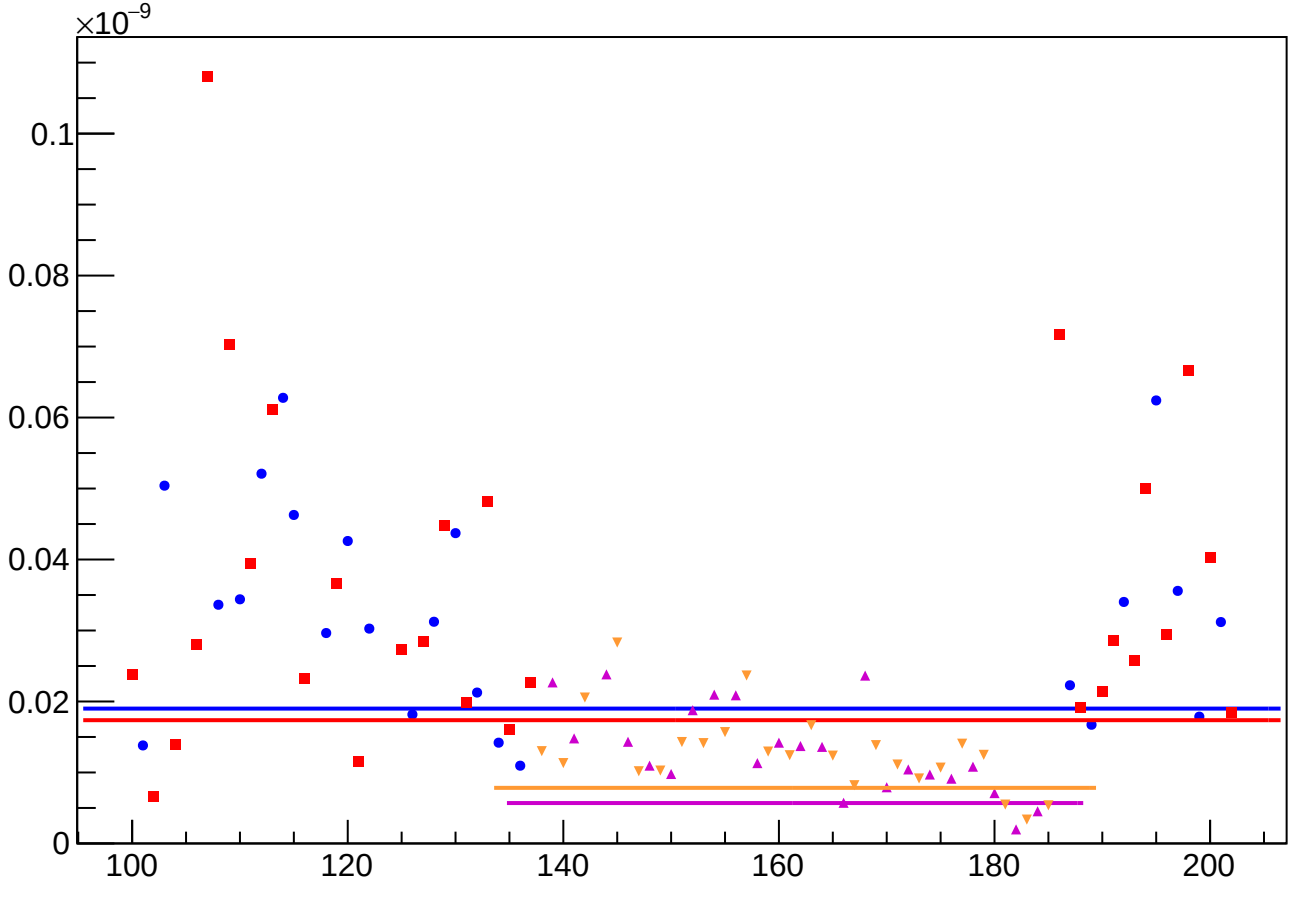
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 37.5/50

In: -0.000+/-0.000 χ^2/NDF:32.5/45

Out: 0.000+/-0.000 χ^2/NDF:32.6/51

All: -0.000+/-0.000 χ^2/NDF: 65.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 3164312.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5126252.7/27

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

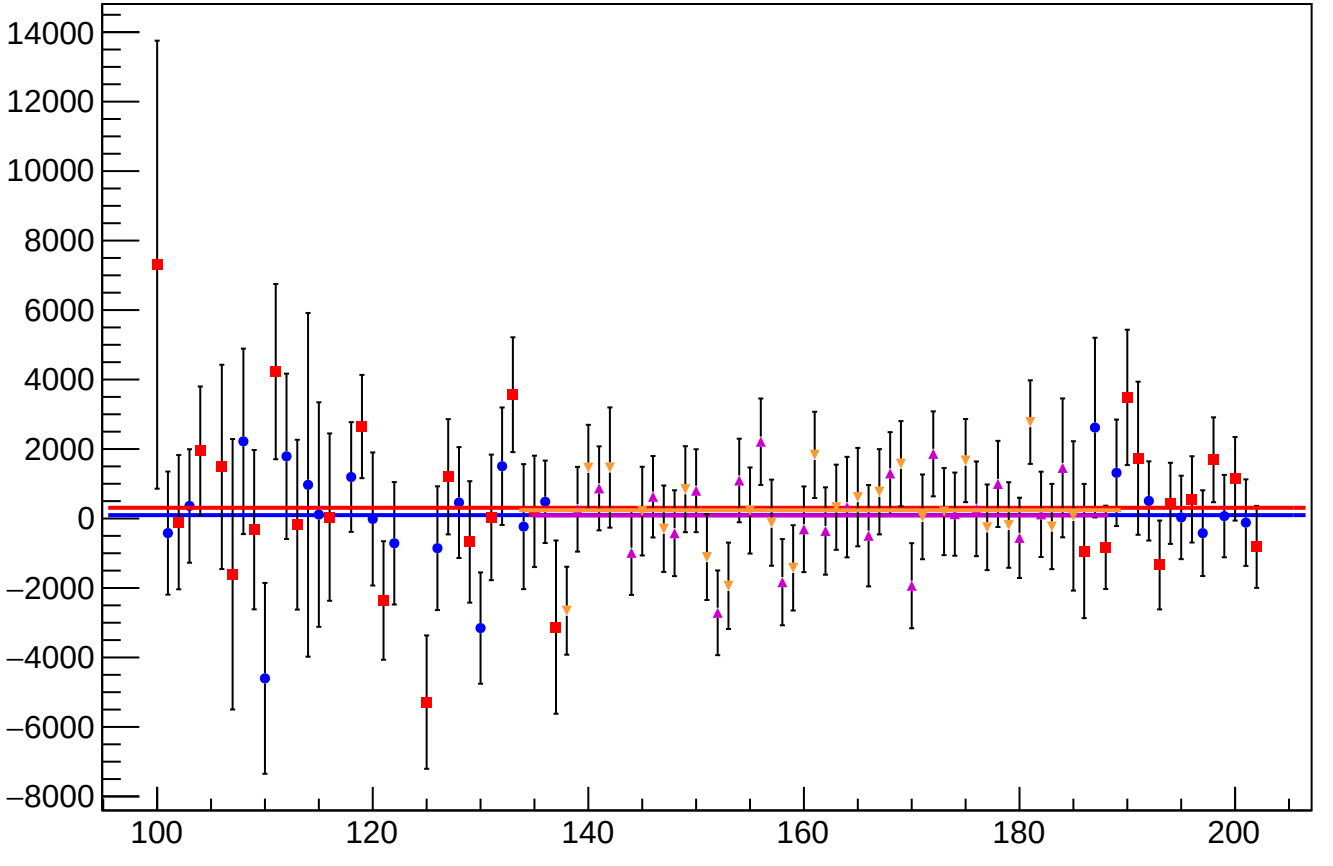
Right: 0.000+/-0.000 χ^2/NDF: 8332981.3/50

In: 0.000+/-0.000 χ^2/NDF:19272785.1/45

Out: 0.000+/-0.000 χ^2/NDF:14355431.3/51

All: 0.000+/-0.000 χ^2/NDF: 34645914.2/97

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 96.868+/-337.240 χ^2/NDF: 12.1/22

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 308.570+/-317.202 χ^2/NDF: 33.6/27

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

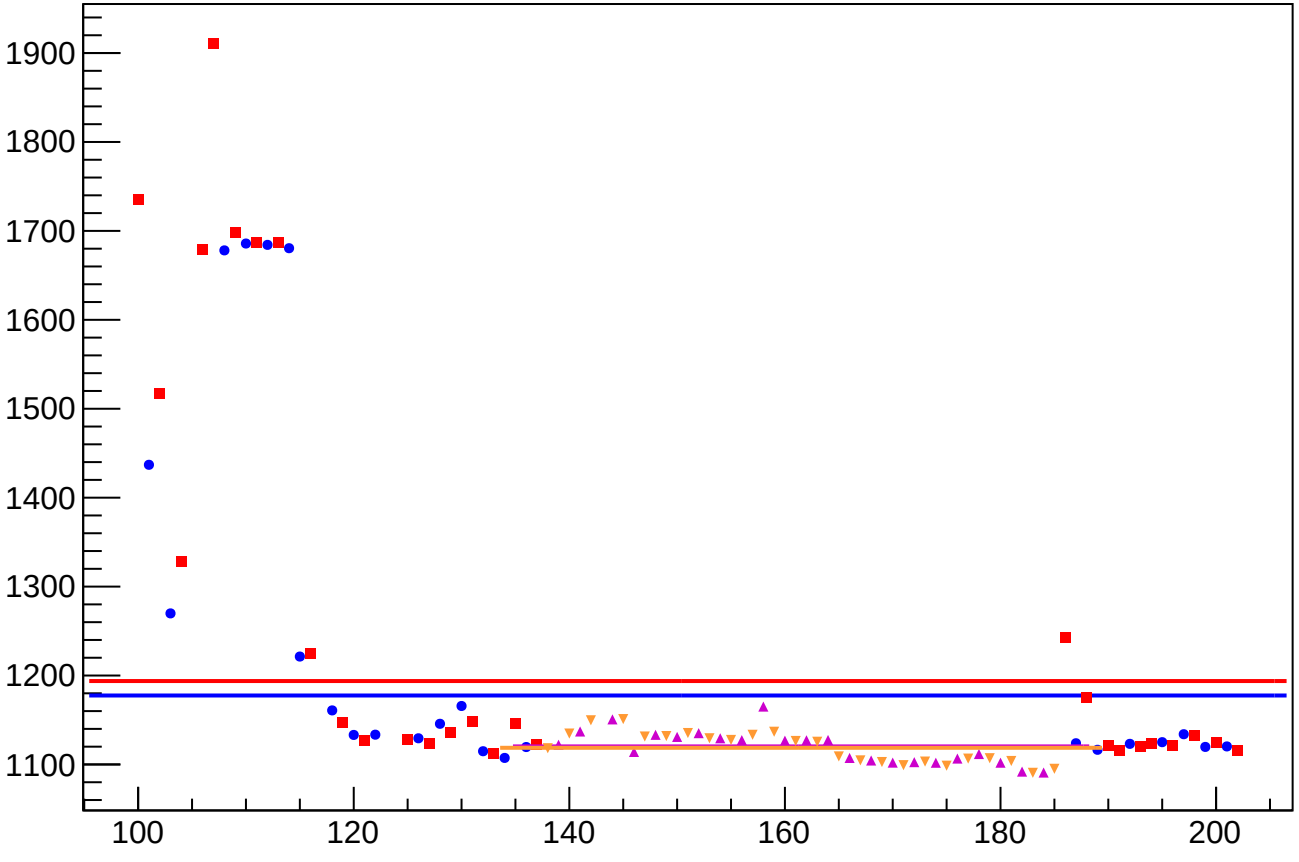
Right: 209.195+/-231.055 χ^2/NDF: 45.9/50

In: 91.569+/-206.703 χ^2/NDF:33.0/45

Out: 265.478+/-200.929 χ^2/NDF:56.3/51

All: 180.986+/-144.076 χ^2/NDF: 89.7/97

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1177.543+/-0.238 χ^2/NDF: 339057.3/22

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1193.796+/-0.224 χ^2/NDF: 528216.0/27

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

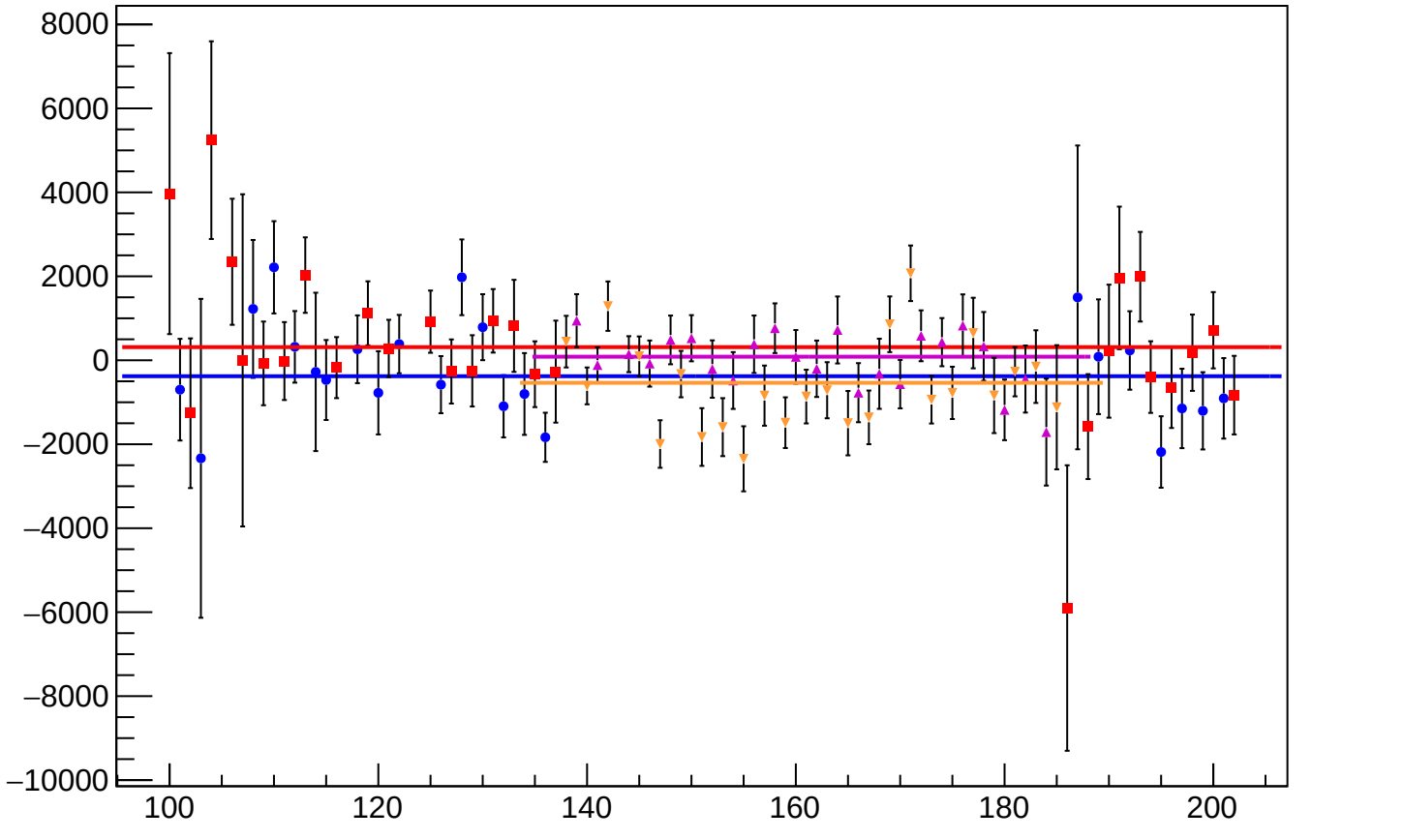
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1186.167+/-0.163 χ^2/NDF: 869738.0/50

In: 1141.810+/-0.146 χ^2/NDF:384501.9/45

Out: 1148.852+/-0.142 χ^2/NDF:603479.2/51

All: 1145.431+/-0.102 χ^2/NDF: 989174.6/97



Right In: -379.596+/-193.686 χ^2/NDF: 33.0/22

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 313.187+/-187.513 χ^2/NDF: 29.6/27

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

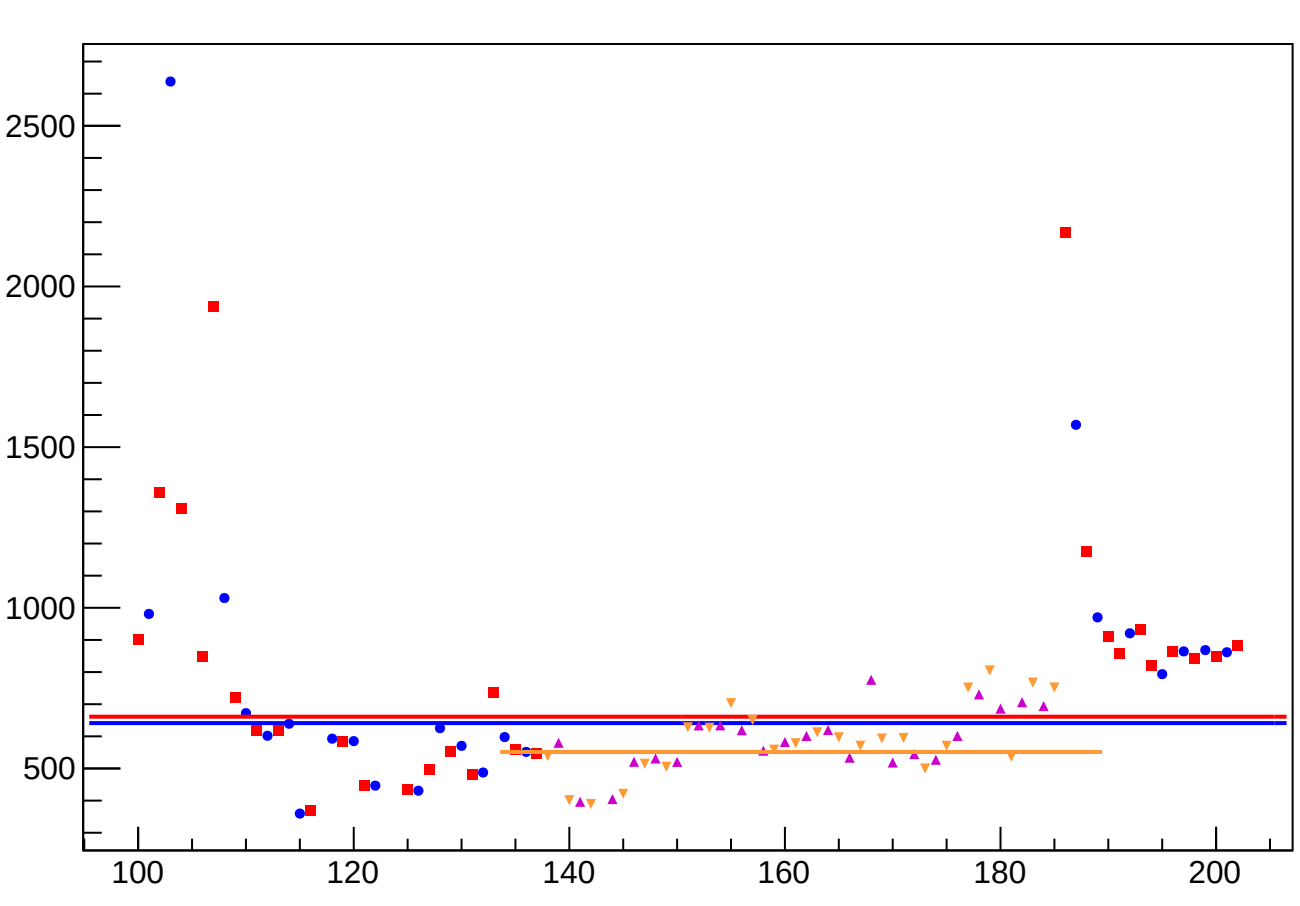
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: -21.989+/-134.721 χ^2/NDF: 69.3/50

In: -60.597+/-108.492 χ^2/NDF:54.1/45

Out: -258.421+/-107.194 χ^2/NDF:105.0/51

All: -160.699+/-76.252 χ^2/NDF: 160.8/97



Right In: 641.186+/-0.137 χ^2/NDF: 2347692.5/22

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 661.117+/-0.133 χ^2/NDF: 3127364.7/27

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

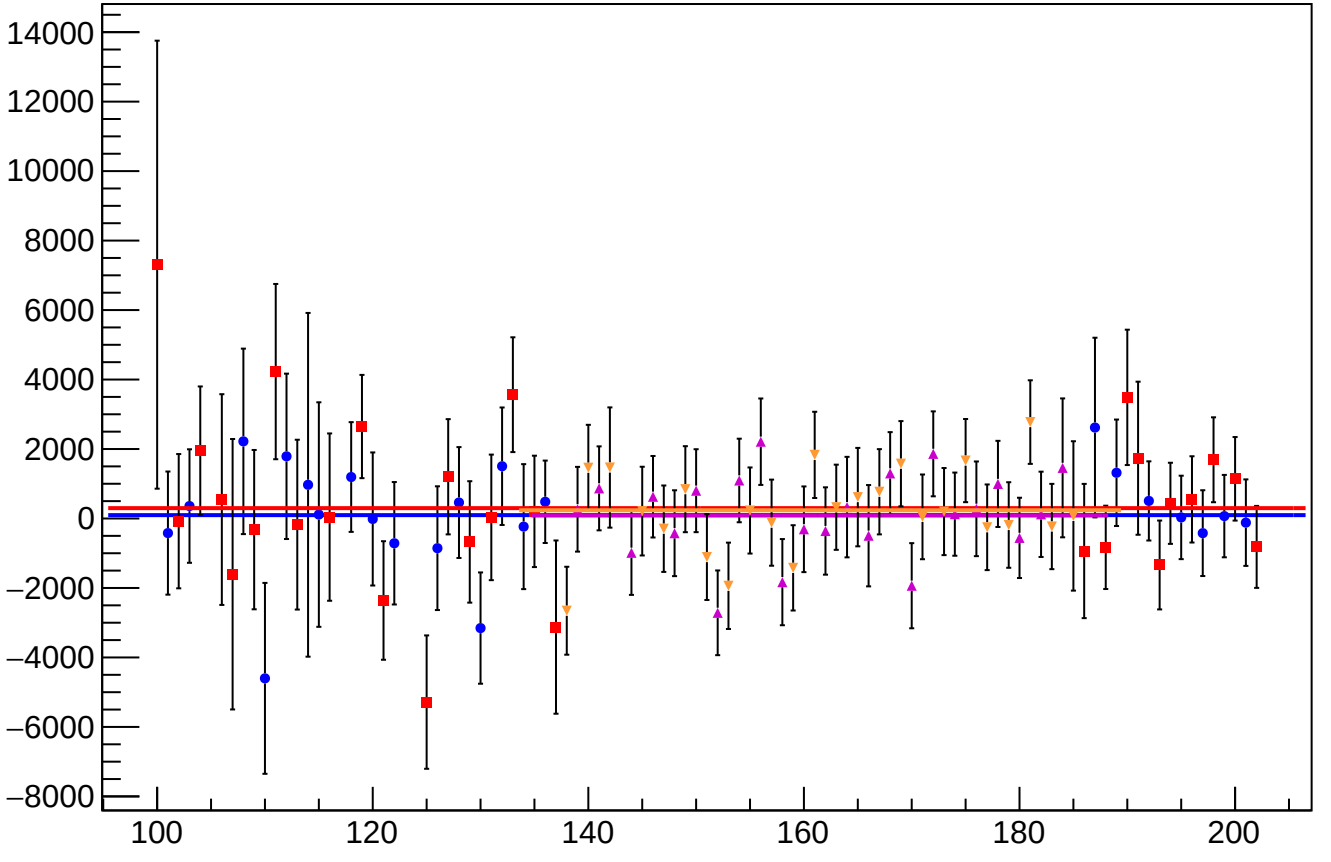
Right: 651.474+/-0.095 χ^2/NDF: 5485989.0/50

In: 579.528+/-0.077 χ^2/NDF:3704815.6/45

Out: 587.282+/-0.076 χ^2/NDF:4814607.3/51

All: 583.451+/-0.054 χ^2/NDF: 8524593.3/97

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 96.691+/-337.240 χ^2/NDF: 12.1/22

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 298.263+/-317.314 χ^2/NDF: 33.4/27

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

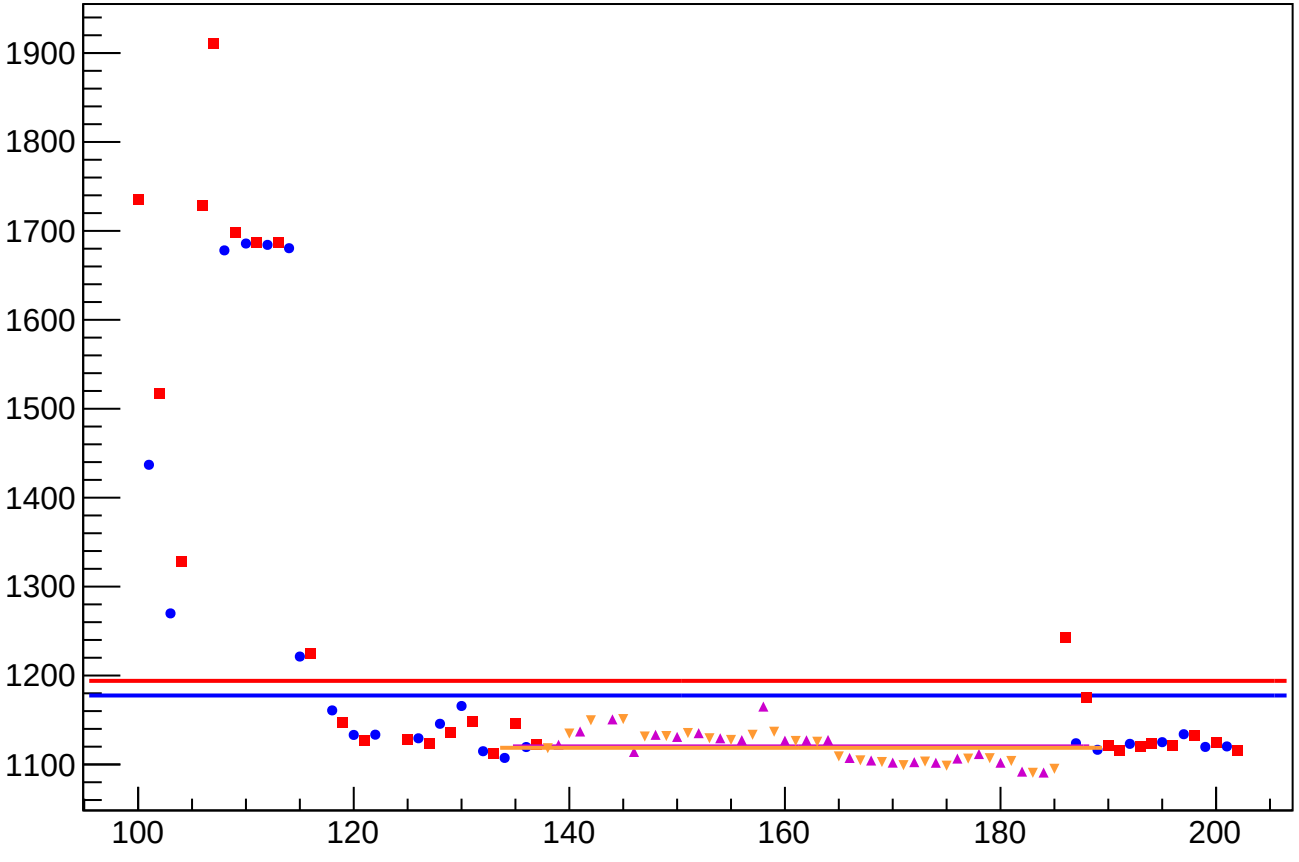
Right: 203.607+/-231.098 χ^2/NDF: 45.7/50

In: 91.496+/-206.703 χ^2/NDF:33.0/45

Out: 261.357+/-200.958 χ^2/NDF:56.1/51

All: 178.820+/-144.087 χ^2/NDF: 89.5/97

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1177.543+/-0.238 χ^2/NDF: 339057.3/22

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1194.005+/-0.224 χ^2/NDF: 536034.4/27

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

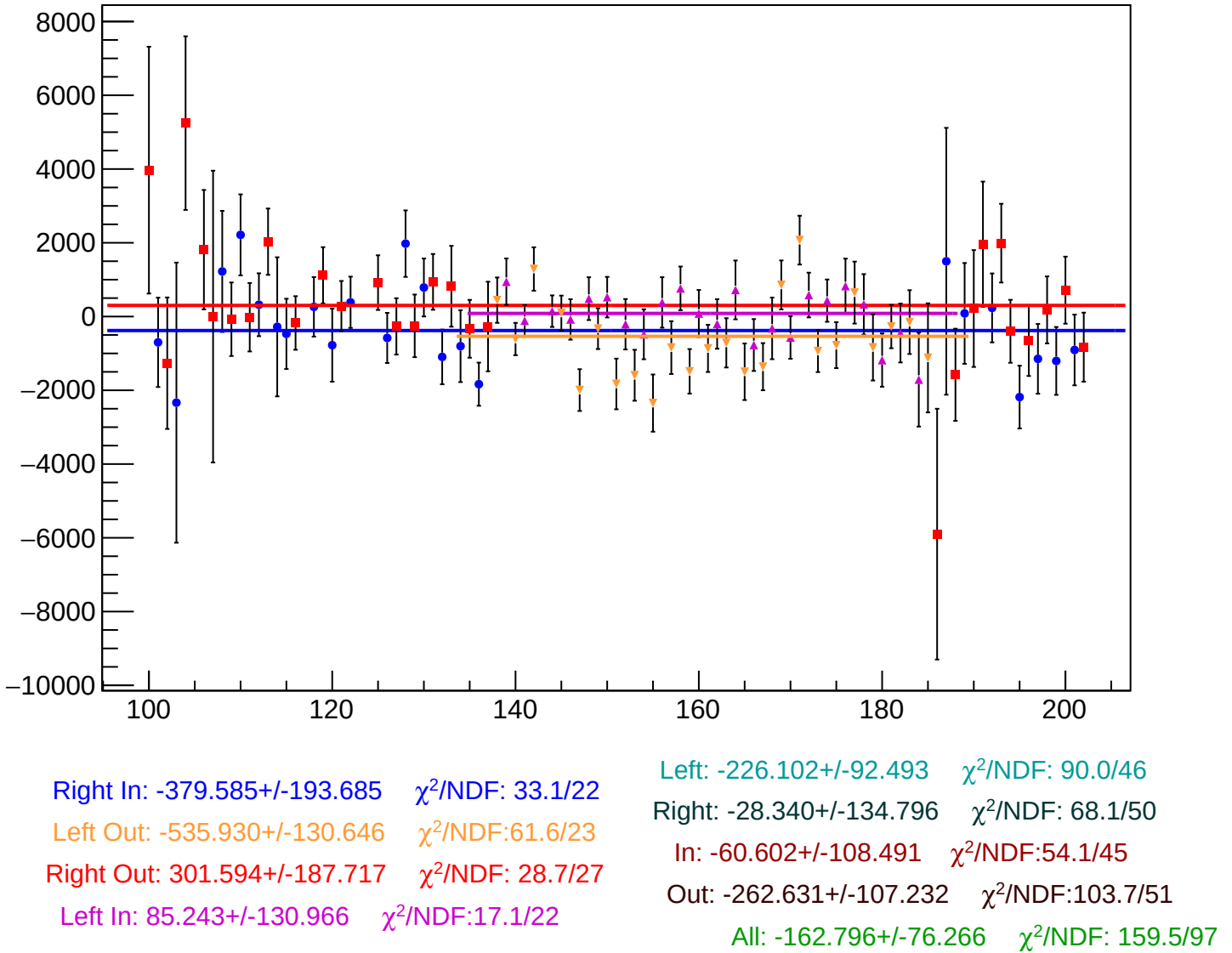
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1186.274+/-0.163 χ^2/NDF: 877619.3/50

In: 1141.810+/-0.146 χ^2/NDF:384502.0/45

Out: 1148.923+/-0.142 χ^2/NDF:611642.3/51

All: 1145.467+/-0.102 χ^2/NDF: 997361.8/97


asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
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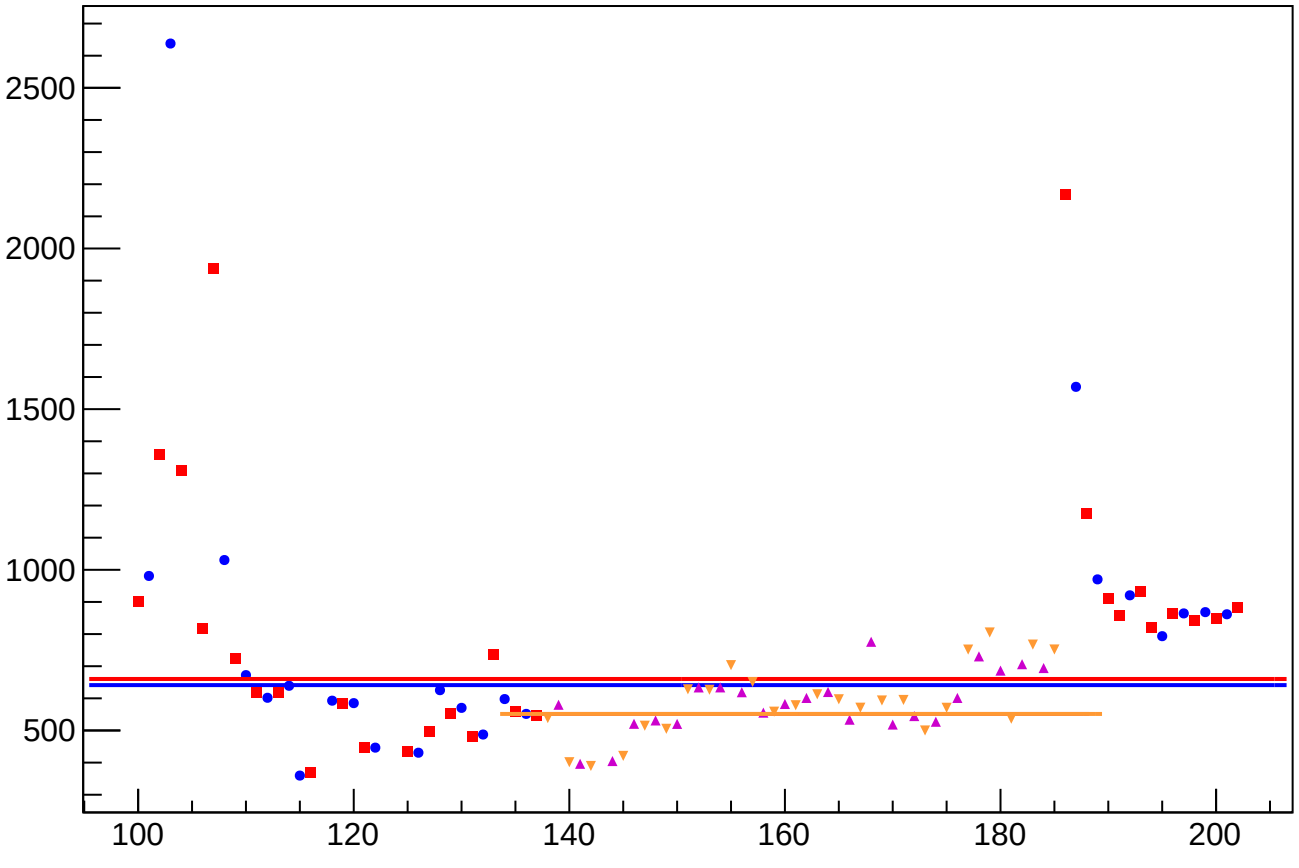
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -379.585+/-193.685 χ²/NDF: 33.1/22
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 301.594+/-187.717 χ²/NDF: 28.7/27
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: -28.340+/-134.796 χ²/NDF: 68.1/50
In: -60.602+/-108.491 χ²/NDF:54.1/45
Out: -262.631+/-107.232 χ²/NDF:103.7/51
All: -162.796+/-76.266 χ²/NDF: 159.5/97



Right In: 641.182+/-0.137 χ^2/NDF: 2347697.7/22

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 660.288+/-0.133 χ^2/NDF: 3115214.7/27

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

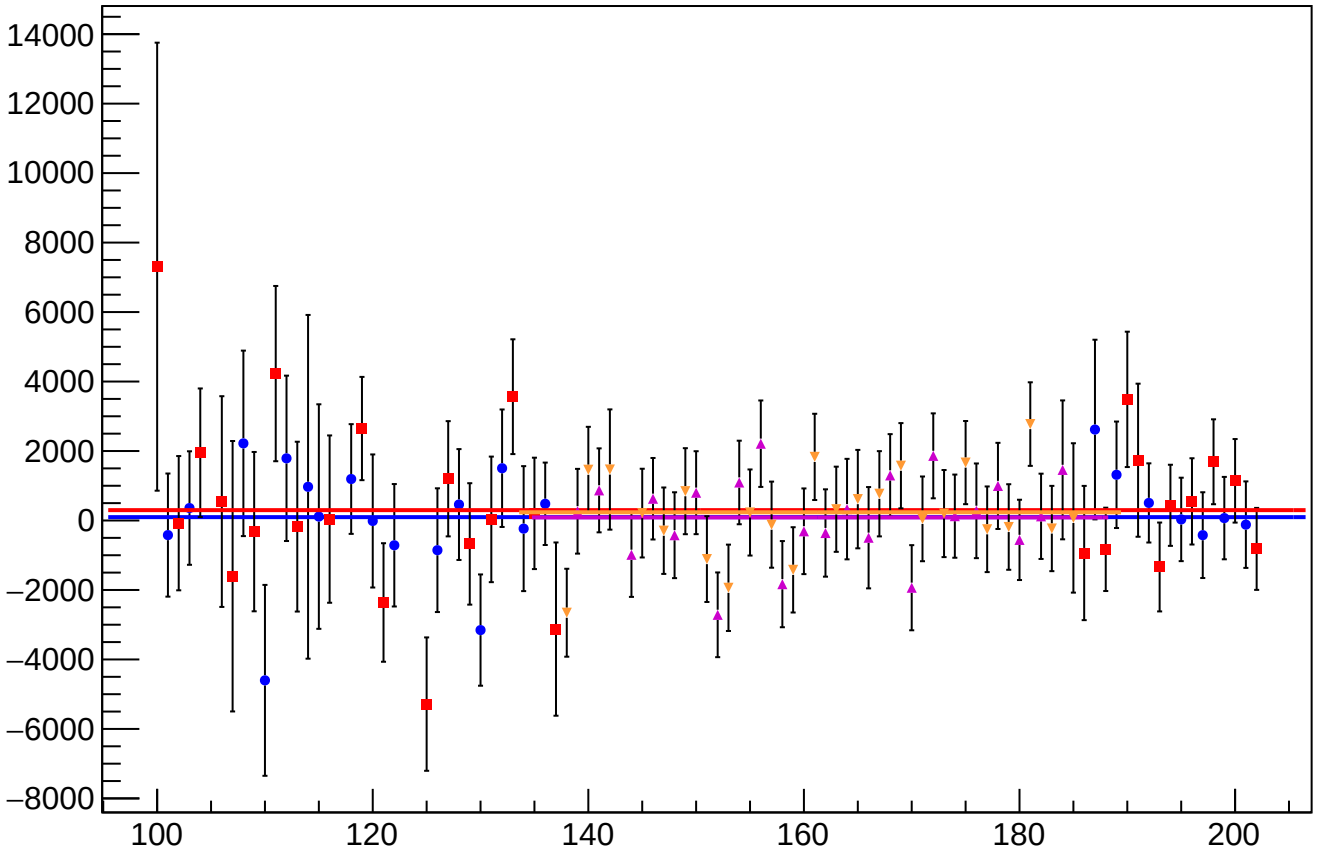
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 651.034+/-0.095 χ^2/NDF: 5472947.9/50

In: 579.526+/-0.077 χ^2/NDF:3704766.8/45

Out: 586.959+/-0.076 χ^2/NDF:4794875.2/51

All: 583.286+/-0.054 χ^2/NDF: 8504390.5/97



Right In: 96.691+/-337.240 χ^2/NDF: 12.1/22

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 298.263+/-317.314 χ^2/NDF: 33.4/27

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

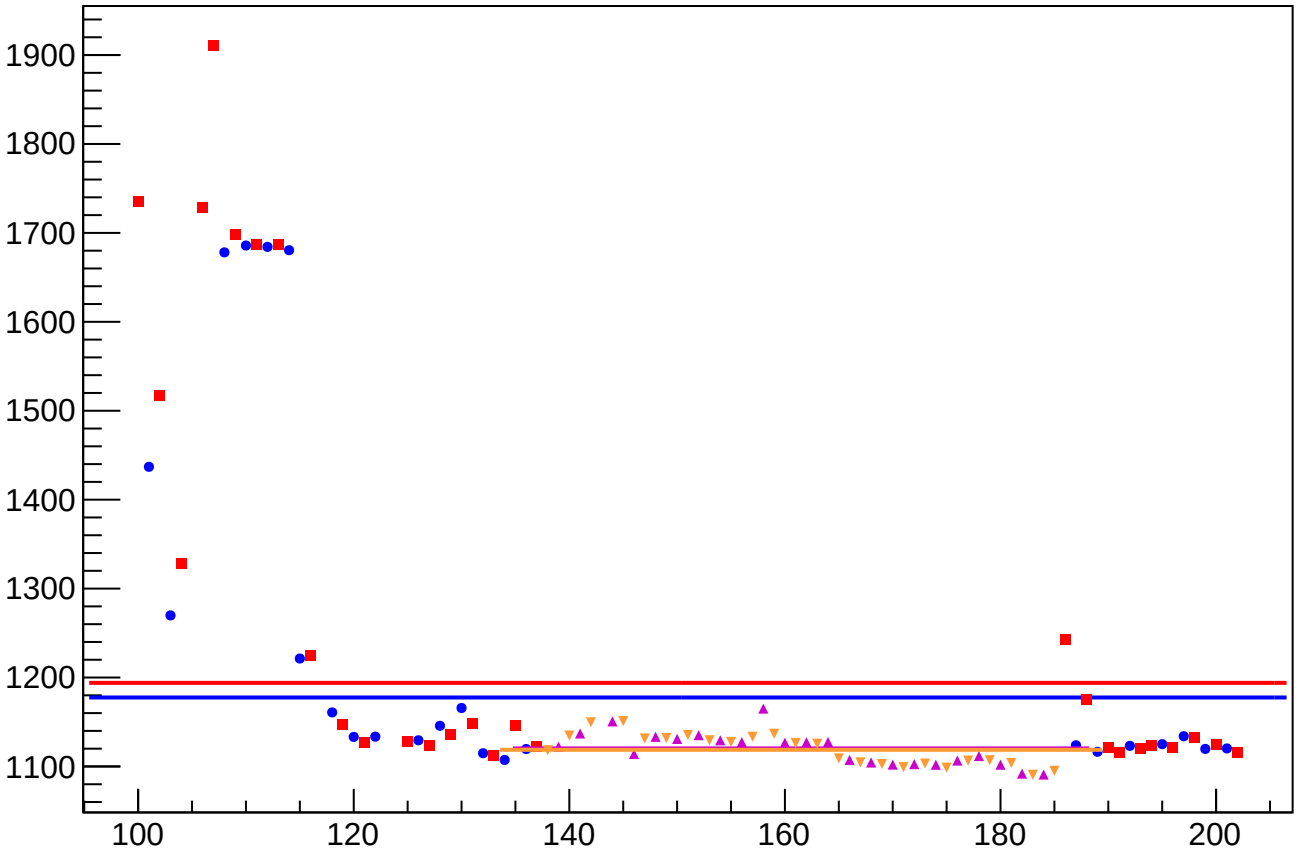
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 203.607+/-231.098 χ^2/NDF: 45.7/50

In: 91.496+/-206.703 χ^2/NDF:33.0/45

Out: 261.357+/-200.958 χ^2/NDF:56.1/51

All: 178.820+/-144.087 χ^2/NDF: 89.5/97



Right In: 1177.543+/-0.238 χ^2/NDF: 339057.3/22

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1194.005+/-0.224 χ^2/NDF: 536034.4/27

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

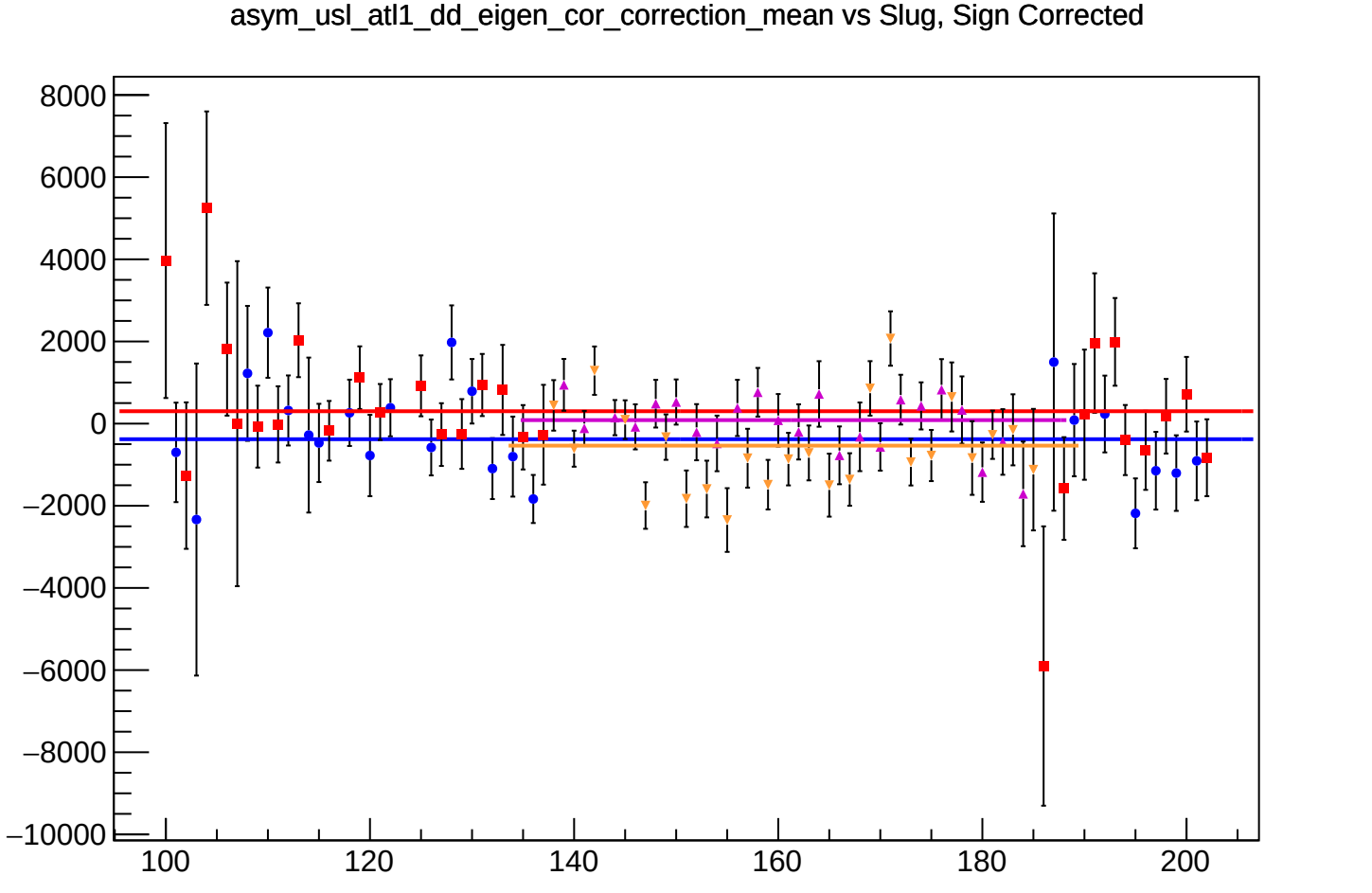
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1186.274+/-0.163 χ^2/NDF: 877619.3/50

In: 1141.810+/-0.146 χ^2/NDF:384502.0/45

Out: 1148.923+/-0.142 χ^2/NDF:611642.3/51

All: 1145.467+/-0.102 χ^2/NDF: 997361.8/97


asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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−10000
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180
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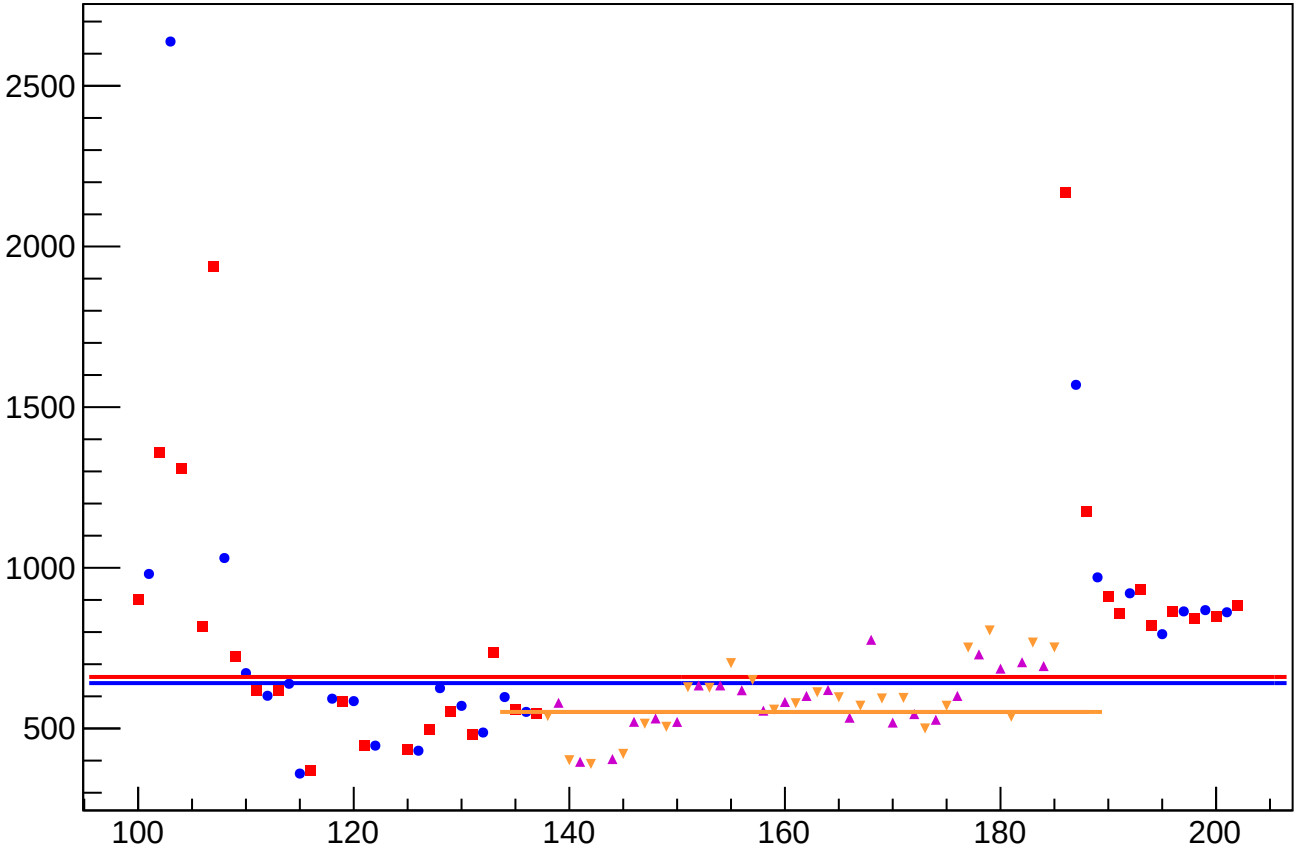
Right In: -379.585+/-193.685 χ²/NDF: 33.1/22
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 301.594+/-187.717 χ²/NDF: 28.7/27
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: -28.340+/-134.796 χ²/NDF: 68.1/50
In: -60.602+/-108.491 χ²/NDF:54.1/45
Out: -262.631+/-107.232 χ²/NDF:103.7/51
All: -162.796+/-76.266 χ²/NDF: 159.5/97

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.182+/-0.137 χ^2/NDF: 2347697.7/22

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 660.288+/-0.133 χ^2/NDF: 3115214.7/27

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

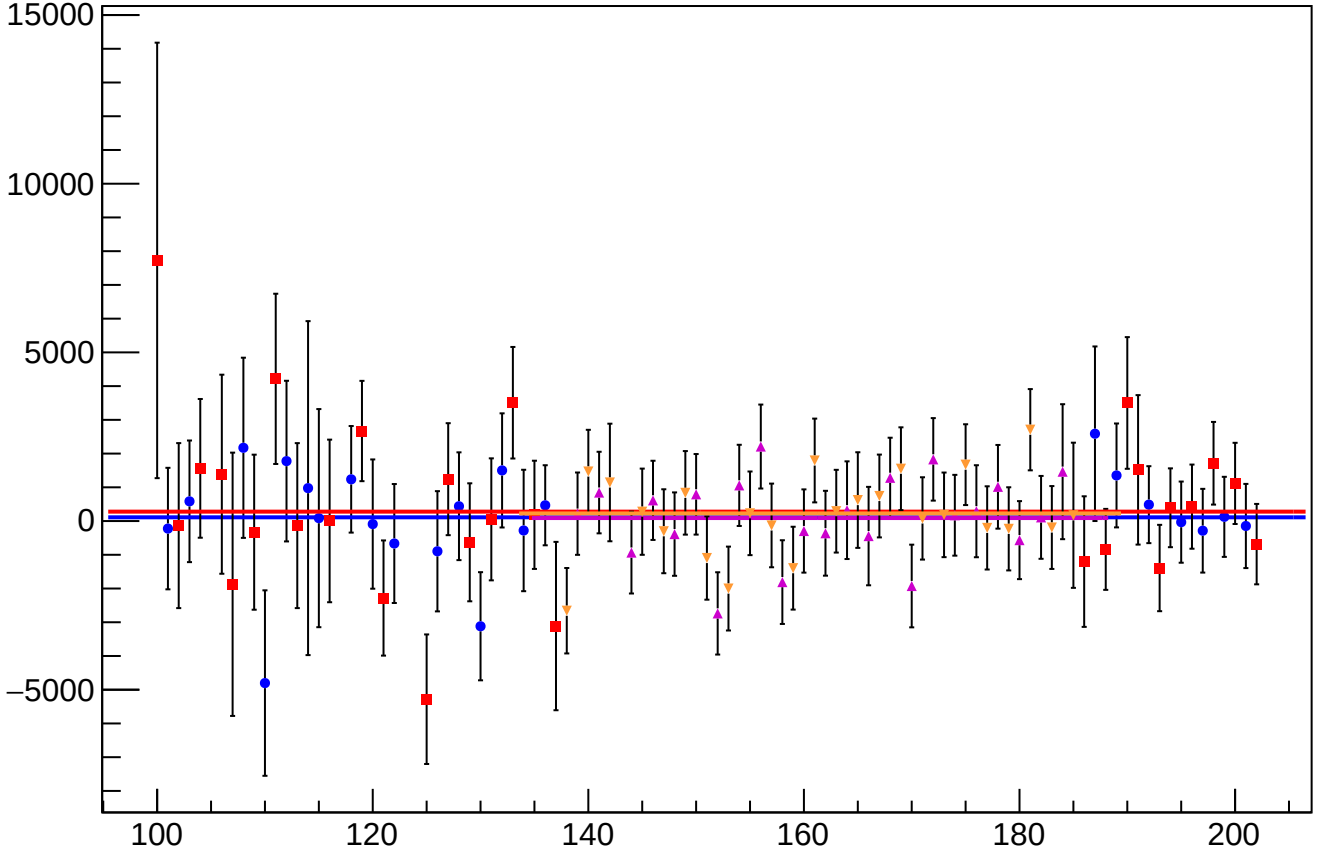
Right: 651.034+/-0.095 χ^2/NDF: 5472947.9/50

In: 579.526+/-0.077 χ^2/NDF:3704766.8/45

Out: 586.959+/-0.076 χ^2/NDF:4794875.2/51

All: 583.286+/-0.054 χ^2/NDF: 8504390.5/97

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 110.665+/-339.173 χ^2/NDF: 12.2/22

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 279.137+/-320.337 χ^2/NDF: 33.0/27

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

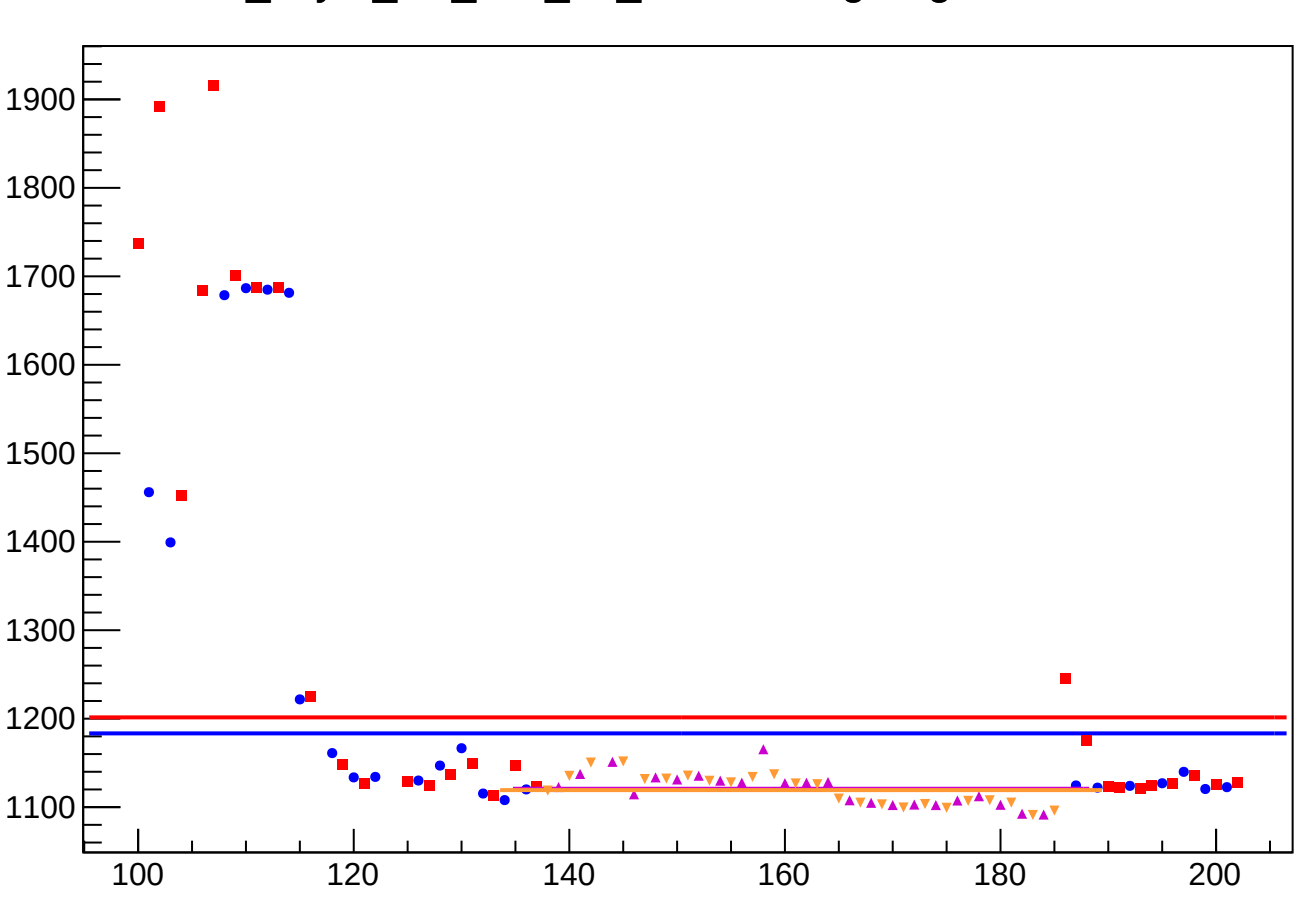
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 199.709+/-232.887 χ^2/NDF: 45.3/50

In: 97.135+/-207.202 χ^2/NDF:32.8/45

Out: 246.883+/-201.794 χ^2/NDF:55.2/51

All: 173.989+/-144.564 χ^2/NDF: 88.2/97



Right In: 1183.380+/-0.240 χ^2/NDF: 365205.3/22

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1201.474+/-0.227 χ^2/NDF: 652573.2/27

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

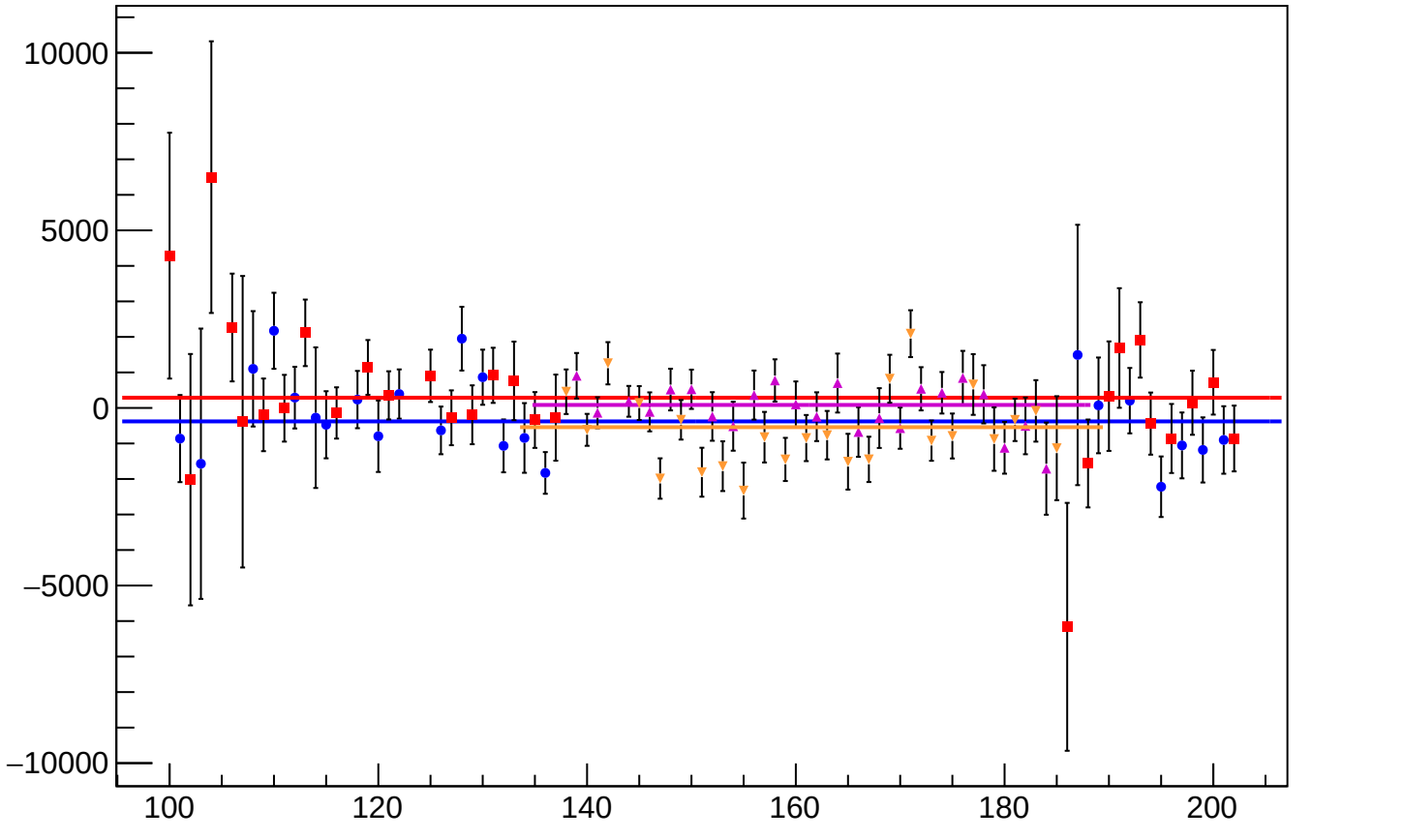
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1192.944+/-0.165 χ^2/NDF: 1020786.9/50

In: 1144.155+/-0.147 χ^2/NDF:417307.9/45

Out: 1151.884+/-0.143 χ^2/NDF:740181.2/51

All: 1148.122+/-0.102 χ^2/NDF: 1158917.0/97


asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
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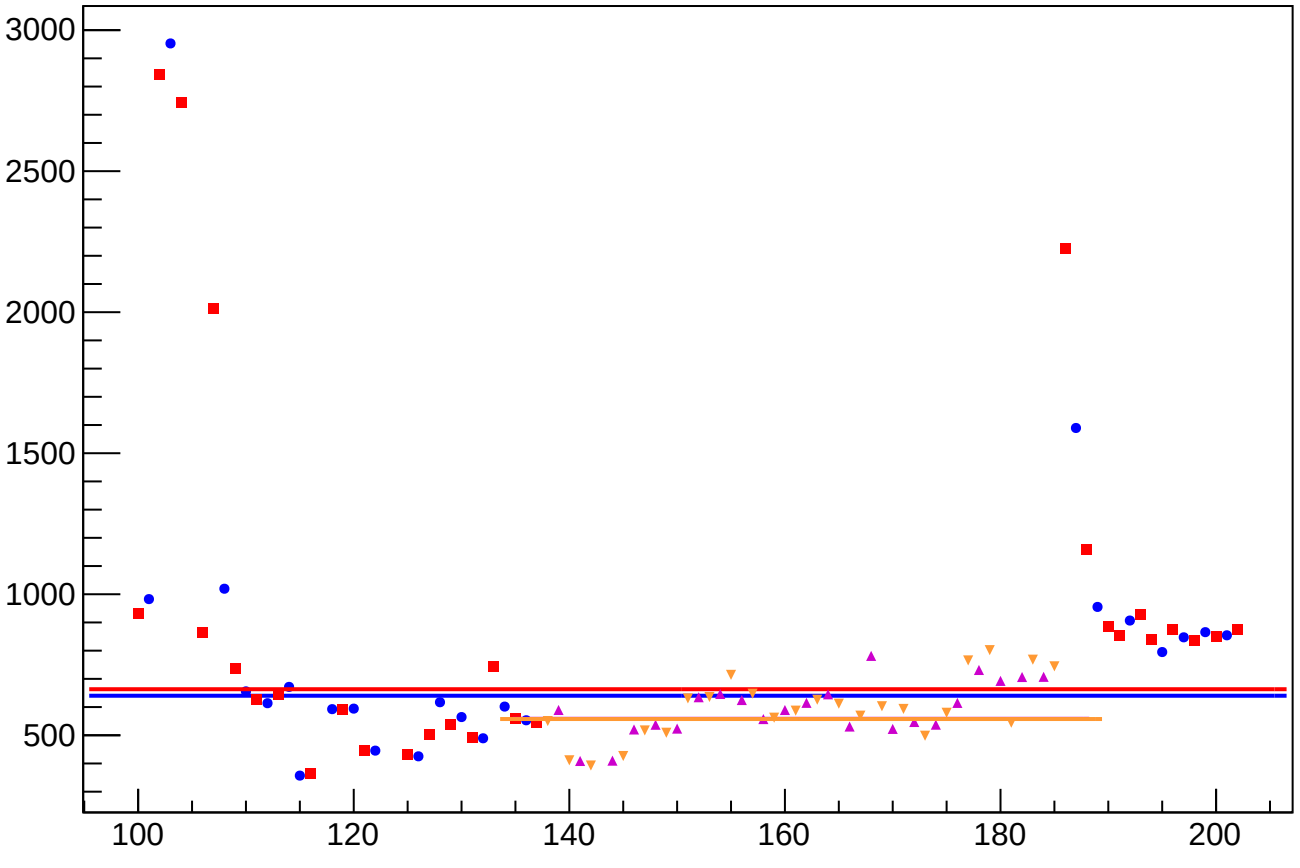
−5000
−10000
100
120
140
160
180
200
Right In: -378.832+/-193.202 χ²/NDF: 33.0/22
Left Out: -541.592+/-132.012 χ²/NDF:60.9/23
Right Out: 288.565+/-189.530 χ²/NDF: 27.7/27
Left In: 84.122+/-132.548 χ²/NDF:16.4/22
Left: -230.004+/-93.535 χ²/NDF: 88.5/46
Right: -38.730+/-135.298 χ²/NDF: 66.8/50
In: -64.043+/-109.299 χ²/NDF:53.3/45
Out: -270.410+/-108.325 χ²/NDF:101.5/51
All: -168.150+/-76.939 χ²/NDF: 156.6/97



Right In: 640.173+/-0.137 χ^2/NDF: 2508117.0/22

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 663.291+/-0.134 χ^2/NDF: 4029899.7/27

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

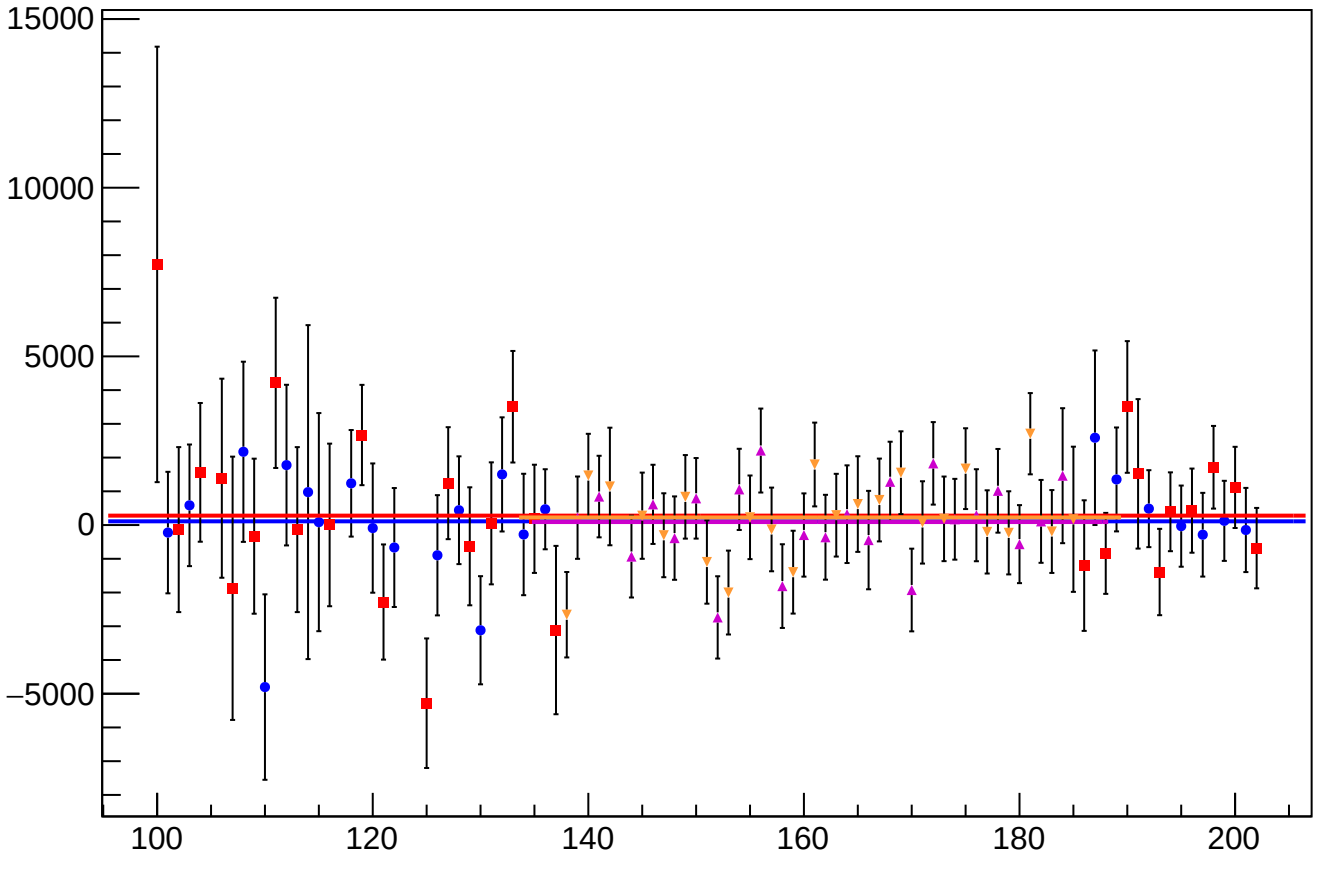
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 651.954+/-0.096 χ^2/NDF: 6552609.2/50

In: 584.566+/-0.077 χ^2/NDF:3779591.2/45

Out: 592.120+/-0.077 χ^2/NDF:5642013.1/51

All: 588.377+/-0.054 χ^2/NDF: 9426423.5/97



Right In: 110.665+/-339.173 χ^2/NDF: 12.2/22

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 279.137+/-320.337 χ^2/NDF: 33.0/27

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

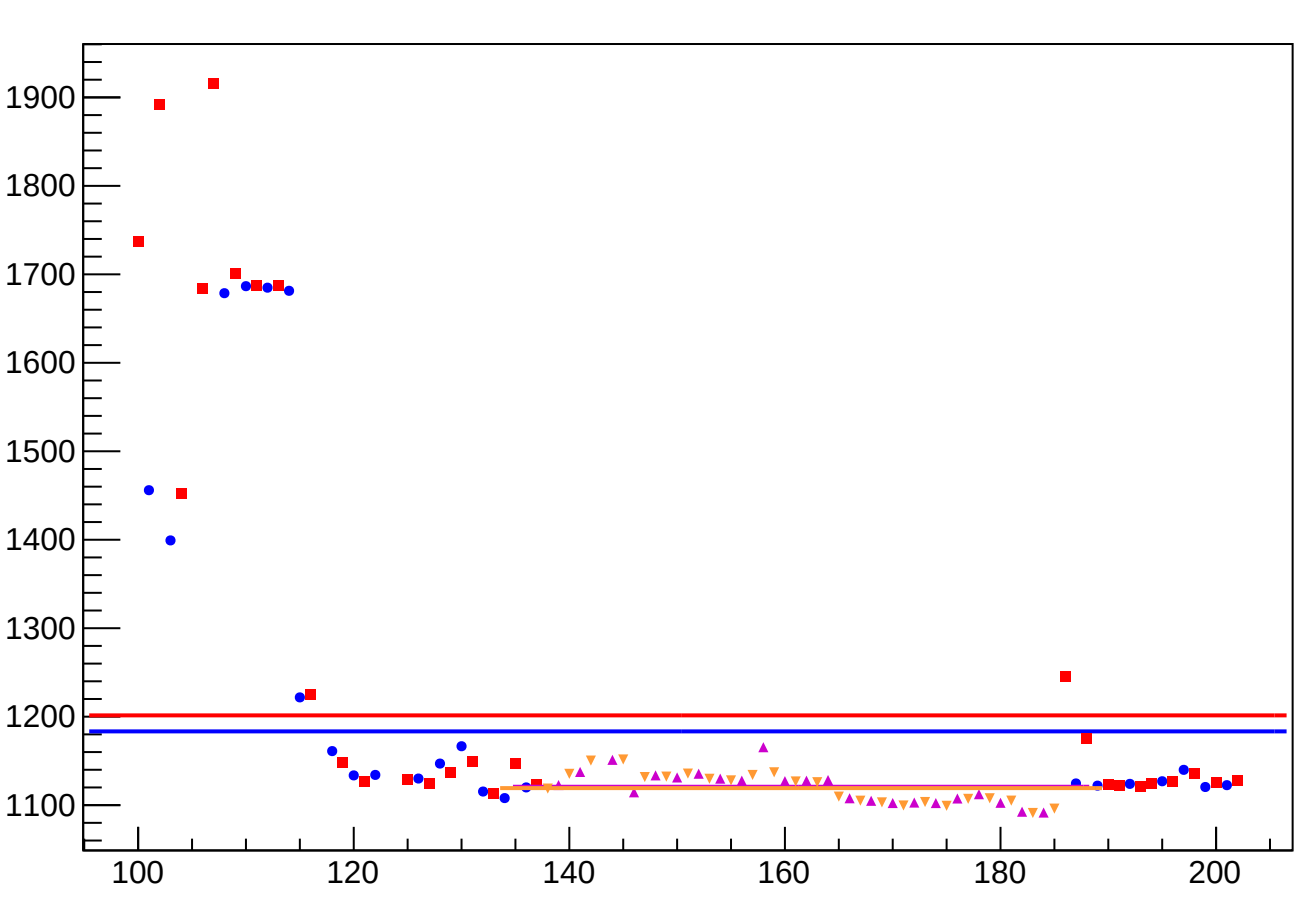
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 199.709+/-232.887 χ^2/NDF: 45.3/50

In: 97.135+/-207.202 χ^2/NDF:32.8/45

Out: 246.882+/-201.794 χ^2/NDF:55.2/51

All: 173.988+/-144.564 χ^2/NDF: 88.2/97



Right In: 1183.380+/-0.240 χ^2/NDF: 365204.8/22

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1201.474+/-0.227 χ^2/NDF: 652572.5/27

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

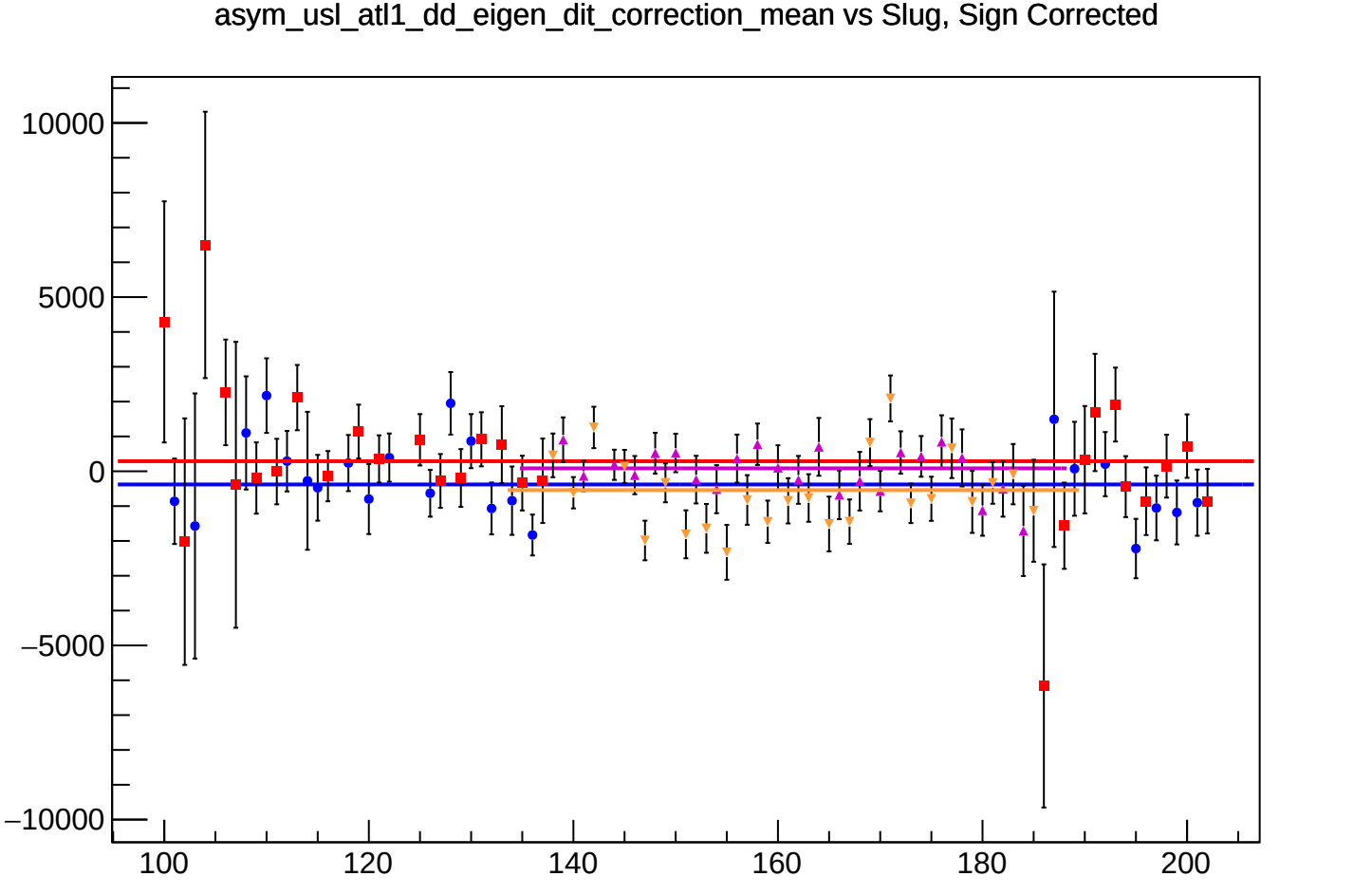
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1192.944+/-0.165 χ^2/NDF: 1020785.7/50

In: 1144.155+/-0.147 χ^2/NDF:417307.4/45

Out: 1151.884+/-0.143 χ^2/NDF:740180.4/51

All: 1148.122+/-0.102 χ^2/NDF: 1158915.8/97



Right In: -378.832+/-193.202 χ^2/NDF: 33.0/22

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 288.566+/-189.530 χ^2/NDF: 27.7/27

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

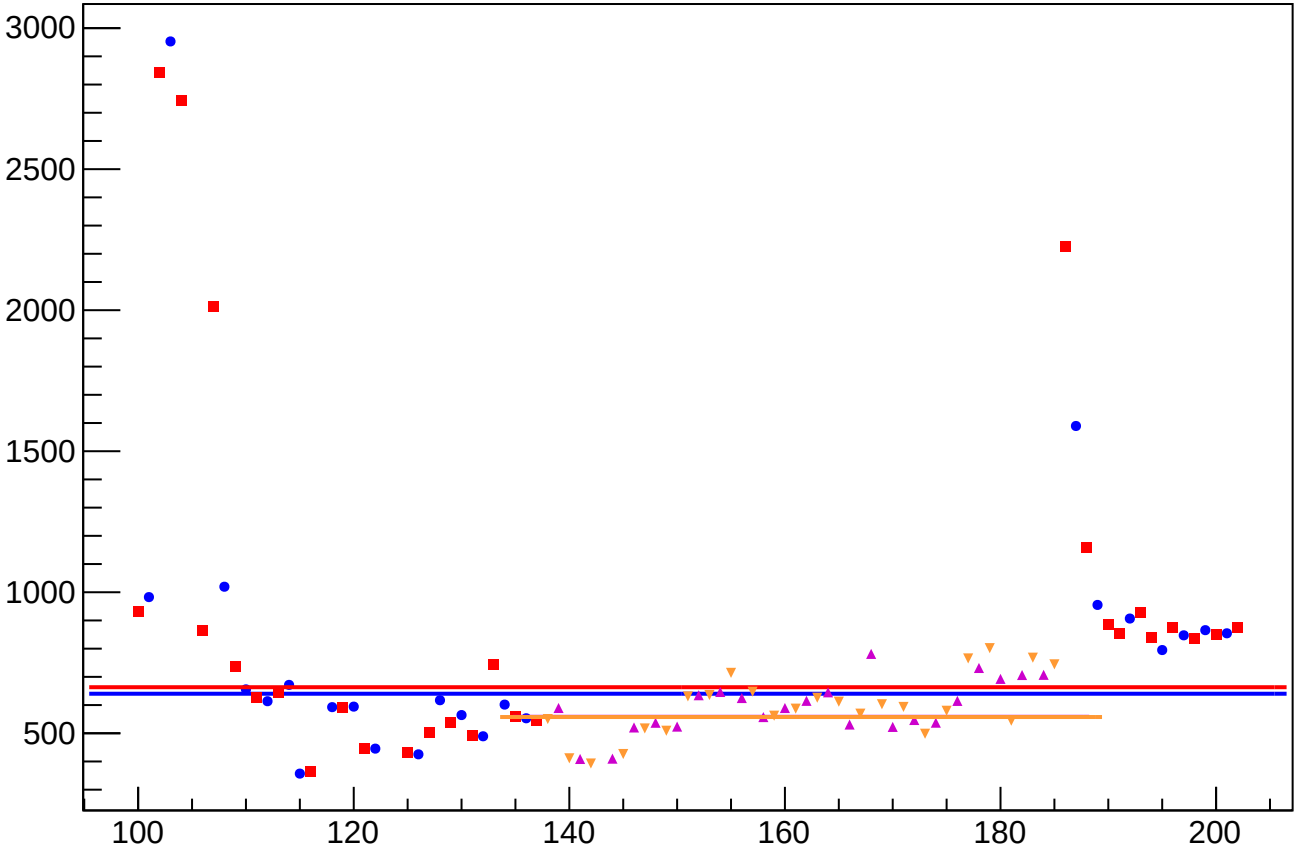
Right: -38.730+/-135.298 χ^2/NDF: 66.8/50

In: -64.042+/-109.299 χ^2/NDF:53.3/45

Out: -270.409+/-108.325 χ^2/NDF:101.5/51

All: -168.149+/-76.939 χ^2/NDF: 156.6/97

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 640.173+/-0.137 χ^2/NDF: 2508112.5/22

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 663.291+/-0.134 χ^2/NDF: 4029899.8/27

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

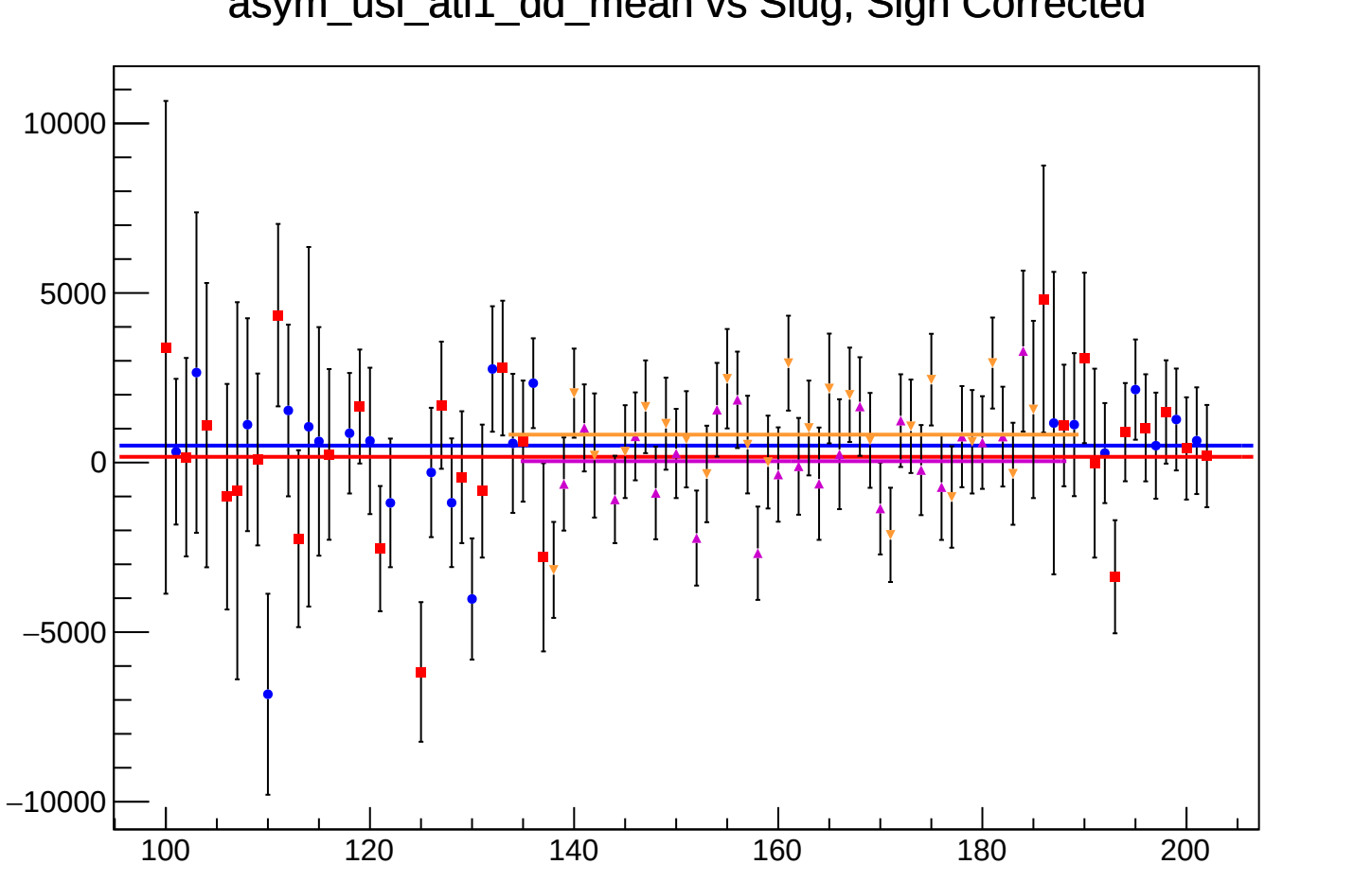
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 651.954+/-0.096 χ^2/NDF: 6552604.8/50

In: 584.565+/-0.077 χ^2/NDF:3779603.9/45

Out: 592.119+/-0.077 χ^2/NDF:5642038.9/51

All: 588.376+/-0.054 χ^2/NDF: 9426462.0/97


asym_usl_atl1_dd_mean vs Slug, Sign Corrected
10000
5000
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−5000
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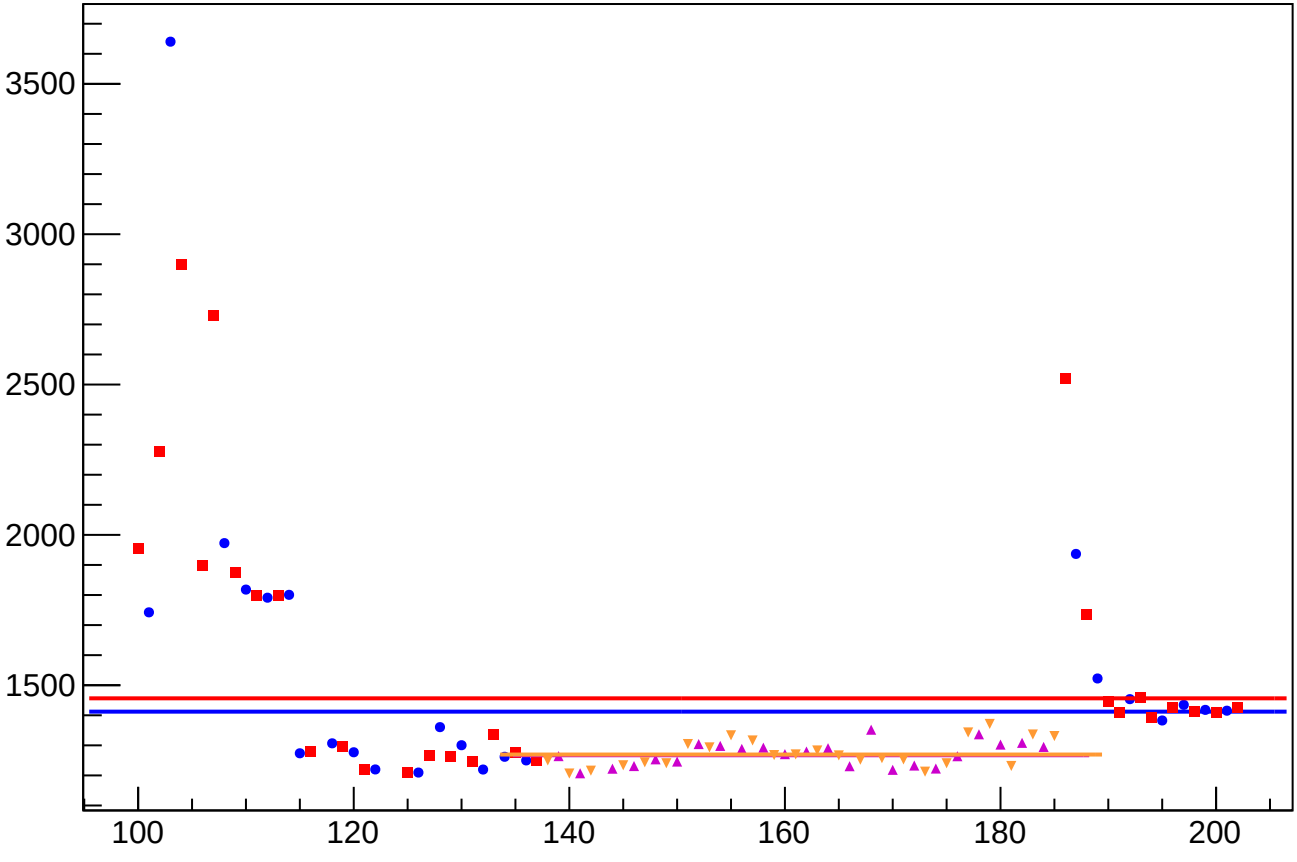
100
120
140
160
180
200
Right In: 500.161+/-408.914 χ²/NDF: 19.8/22
Left Out: 823.319+/-294.835 χ²/NDF:26.2/23
Right Out: 168.708+/-391.797 χ²/NDF: 28.9/27
Left In: 39.696+/-296.006 χ²/NDF:17.9/22
Left: 433.060+/-208.893 χ²/NDF: 47.6/46
Right: 327.352+/-282.900 χ²/NDF: 49.1/50
In: 198.020+/-239.777 χ²/NDF:38.5/45
Out: 586.646+/-235.583 χ²/NDF:56.9/51
All: 395.761+/-168.045 χ²/NDF: 96.7/97

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1412.104+/-0.289 χ^2/NDF: 818004.6/22

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1456.388+/-0.277 χ^2/NDF: 1061103.9/27

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

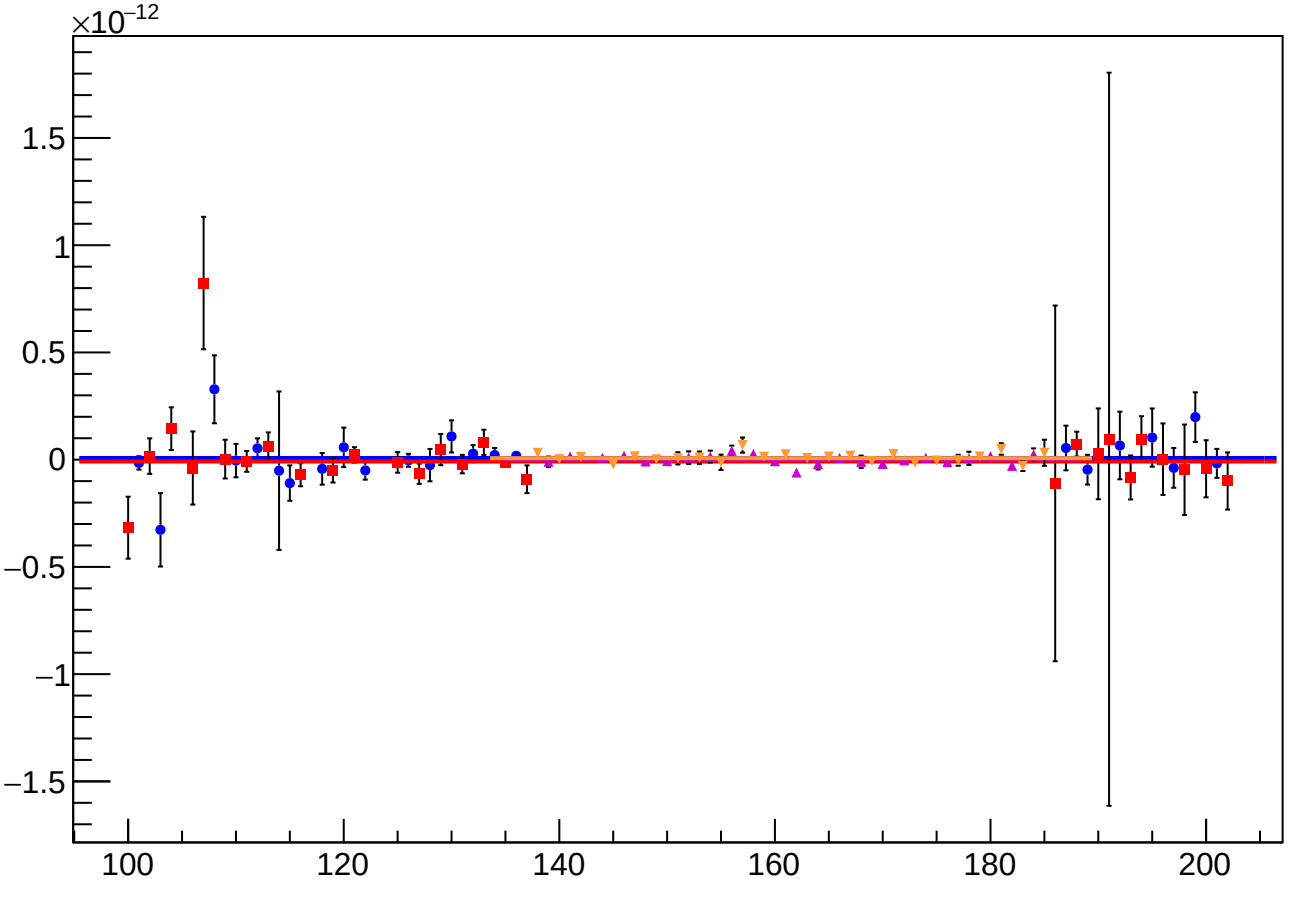
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1435.192+/-0.200 χ^2/NDF: 1891337.5/50

In: 1316.935+/-0.170 χ^2/NDF:1017651.0/45

Out: 1337.031+/-0.167 χ^2/NDF:1394863.8/51

All: 1327.160+/-0.119 χ^2/NDF: 2419662.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/27

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

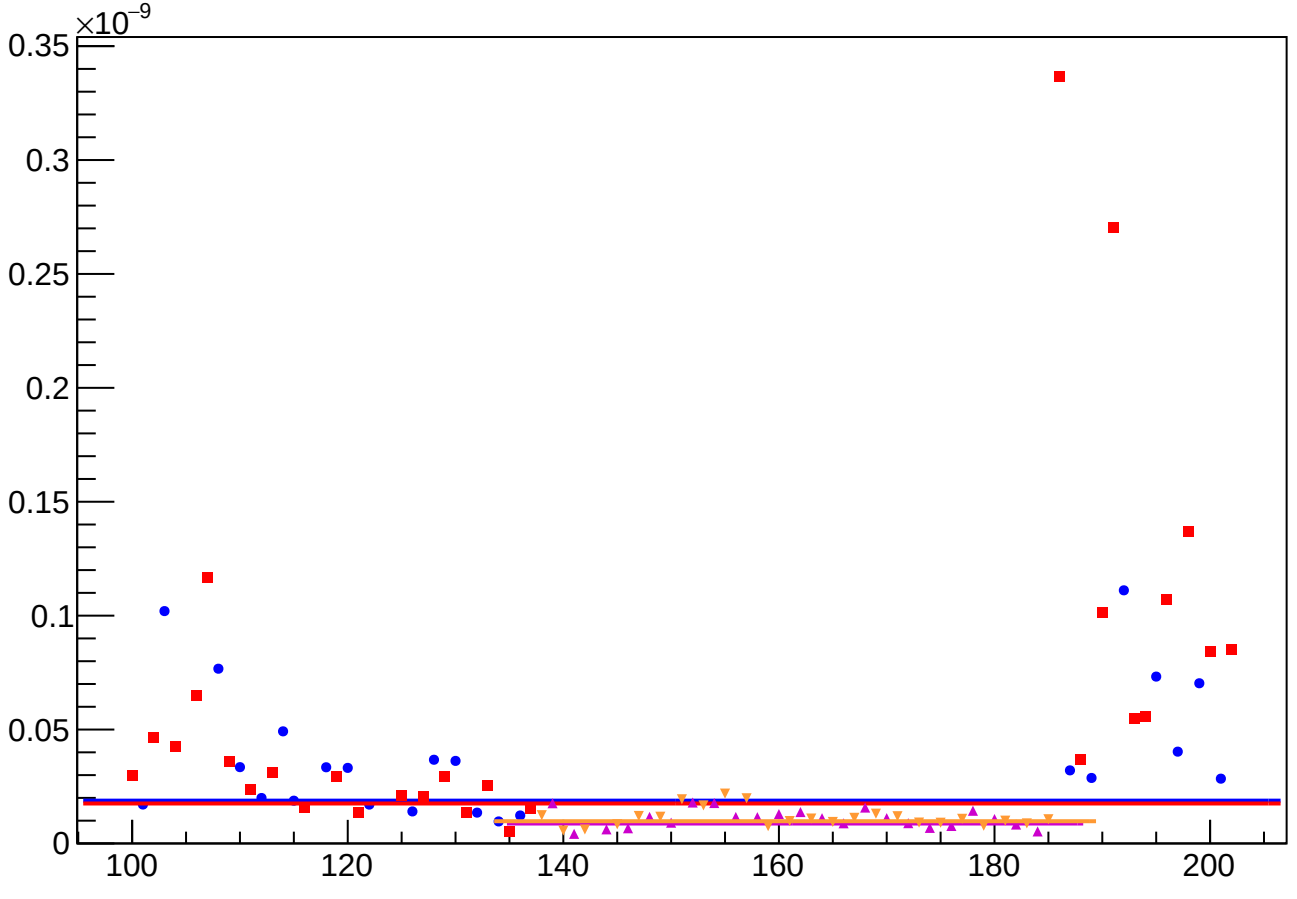
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 50.9/50

In: 0.000+/-0.000 χ^2/NDF:44.6/45

Out: 0.000+/-0.000 χ^2/NDF:49.9/51

All: 0.000+/-0.000 χ^2/NDF: 94.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 3281438.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6068451.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

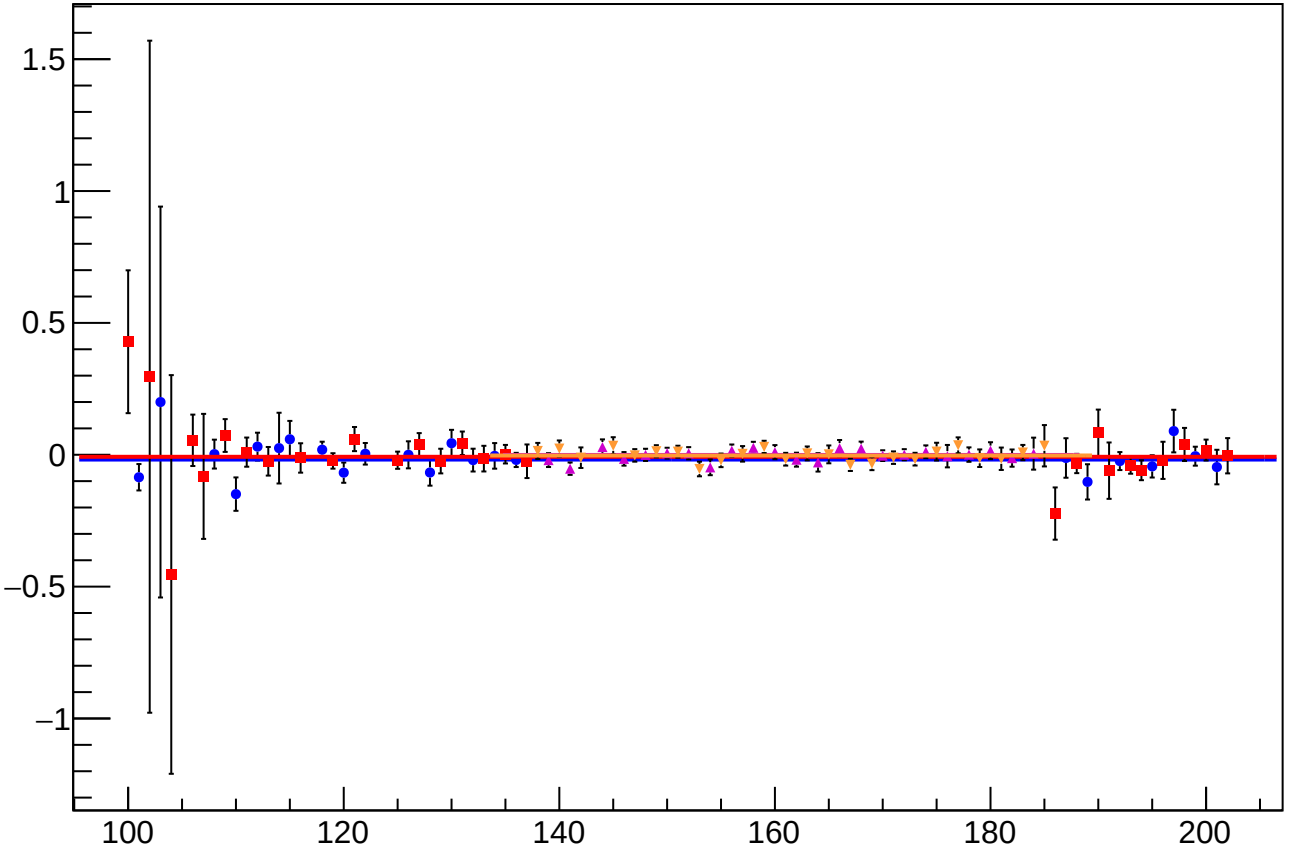
Right: 0.000+/-0.000 χ^2/NDF: 9364655.2/50

In: 0.000+/-0.000 χ^2/NDF:6868739.5/45

Out: 0.000+/-0.000 χ^2/NDF:8450276.4/51

All: 0.000+/-0.000 χ^2/NDF: 15380630.1/97

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.010 χ^2/NDF: 18.8/22

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.008+/-0.010 χ^2/NDF: 21.0/27

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

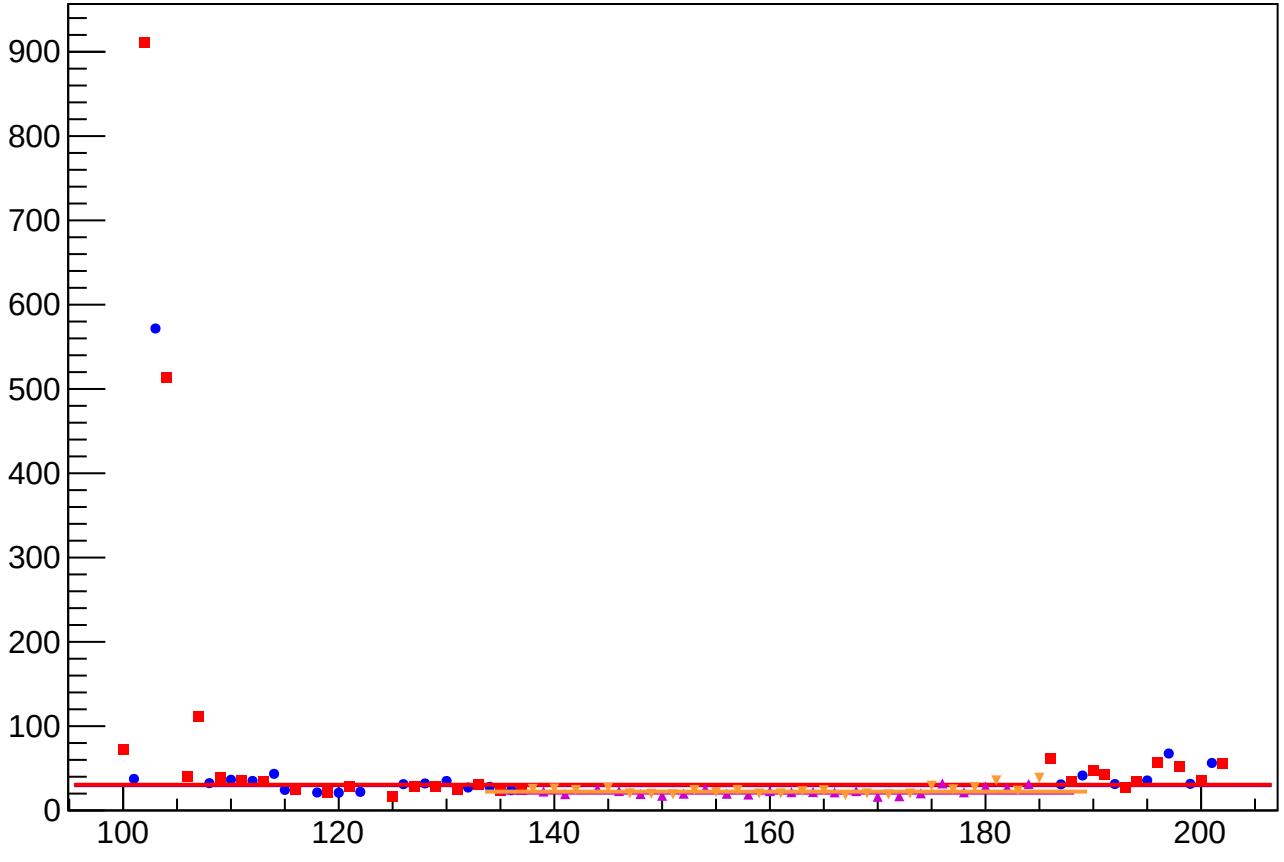
Right: -0.013+/-0.007 χ^2/NDF: 40.3/50

In: -0.005+/-0.005 χ^2/NDF:36.1/45

Out: -0.004+/-0.005 χ^2/NDF:37.5/51

All: -0.004+/-0.003 χ^2/NDF: 73.6/97

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.995+/-0.007 χ^2/NDF: 2532814.1/22

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.497+/-0.007 χ^2/NDF: 4063457.8/27

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

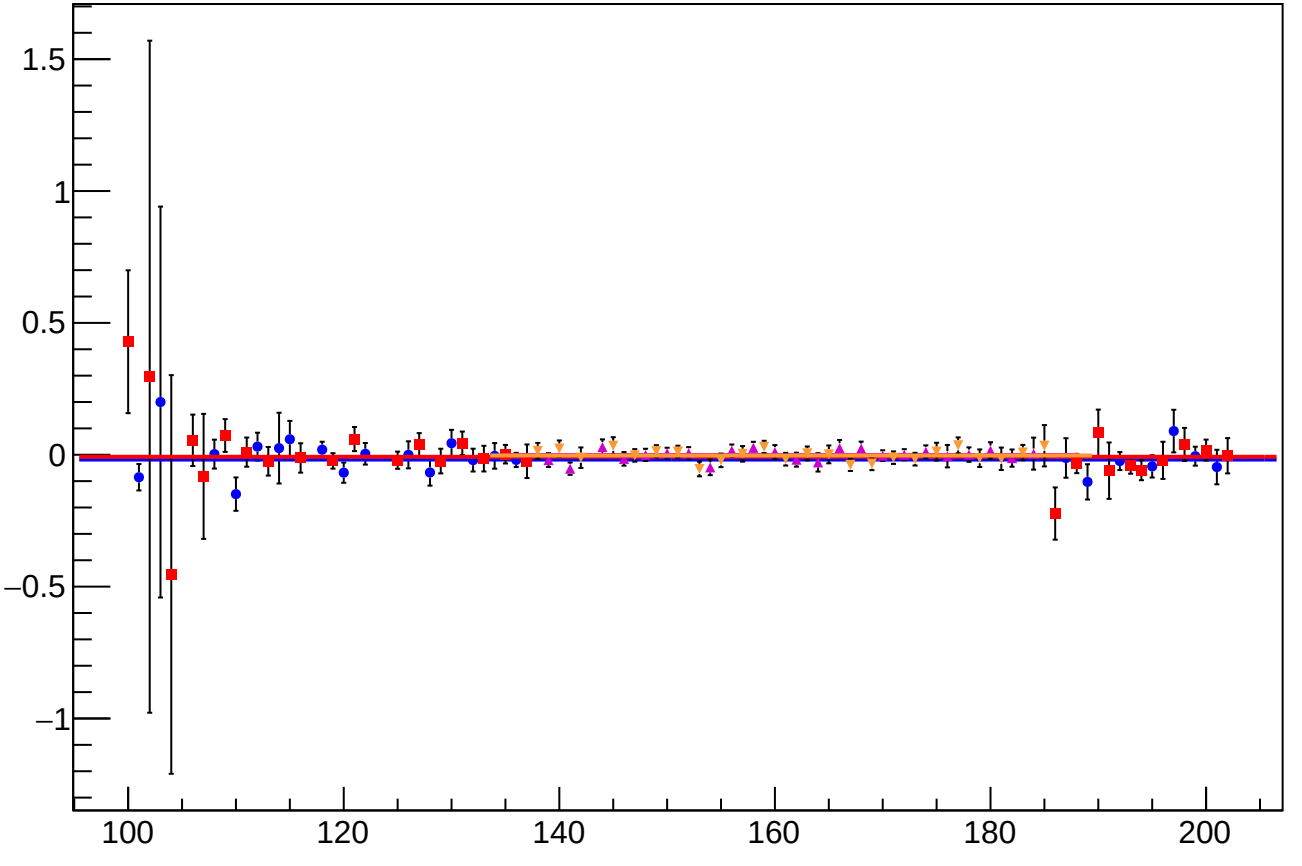
Right: 30.252+/-0.005 χ^2/NDF: 6598960.3/50

In: 23.218+/-0.003 χ^2/NDF:4614195.3/45

Out: 24.484+/-0.003 χ^2/NDF:5952556.7/51

All: 23.836+/-0.002 χ^2/NDF: 10635496.8/97

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.010 χ^2/NDF: 18.8/22

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.008+/-0.010 χ^2/NDF: 21.0/27

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

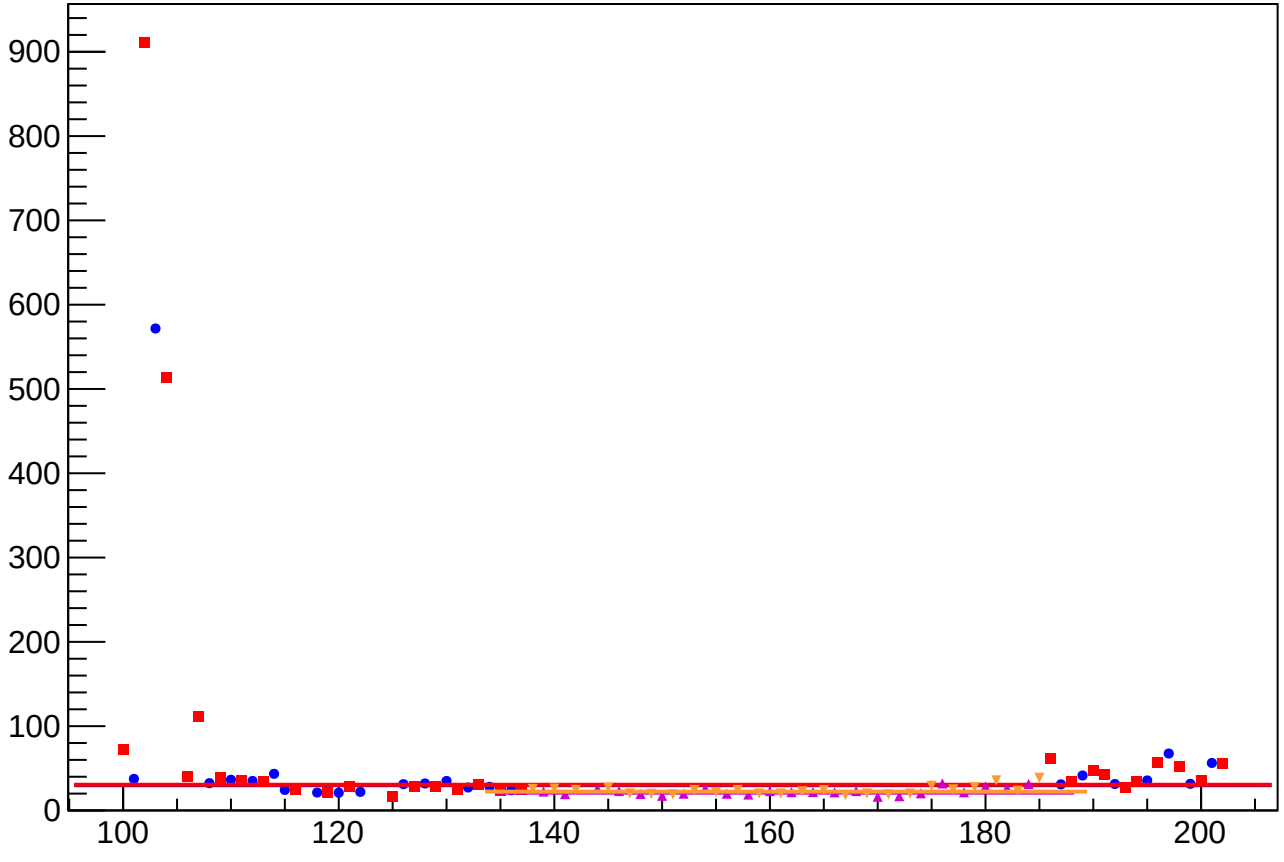
Right: -0.013+/-0.007 χ^2/NDF: 40.3/50

In: -0.005+/-0.005 χ^2/NDF:36.1/45

Out: -0.004+/-0.005 χ^2/NDF:37.5/51

All: -0.004+/-0.003 χ^2/NDF: 73.6/97

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.995+/-0.007 χ^2/NDF: 2532814.1/22

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.497+/-0.007 χ^2/NDF: 4063457.8/27

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

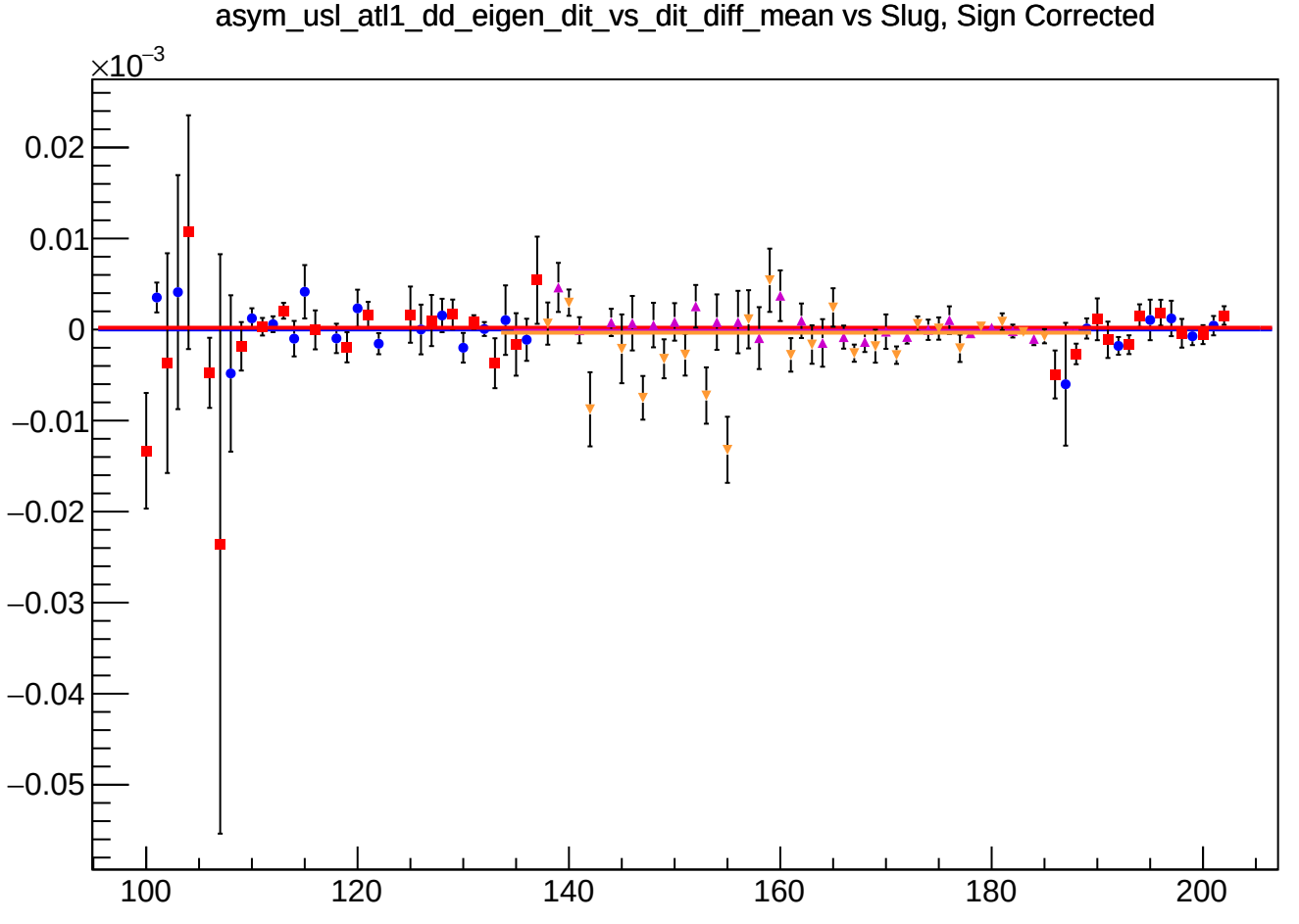
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 30.252+/-0.005 χ^2/NDF: 6598960.3/50

In: 23.218+/-0.003 χ^2/NDF:4614195.3/45

Out: 24.484+/-0.003 χ^2/NDF:5952556.7/51

All: 23.836+/-0.002 χ^2/NDF: 10635496.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/27

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

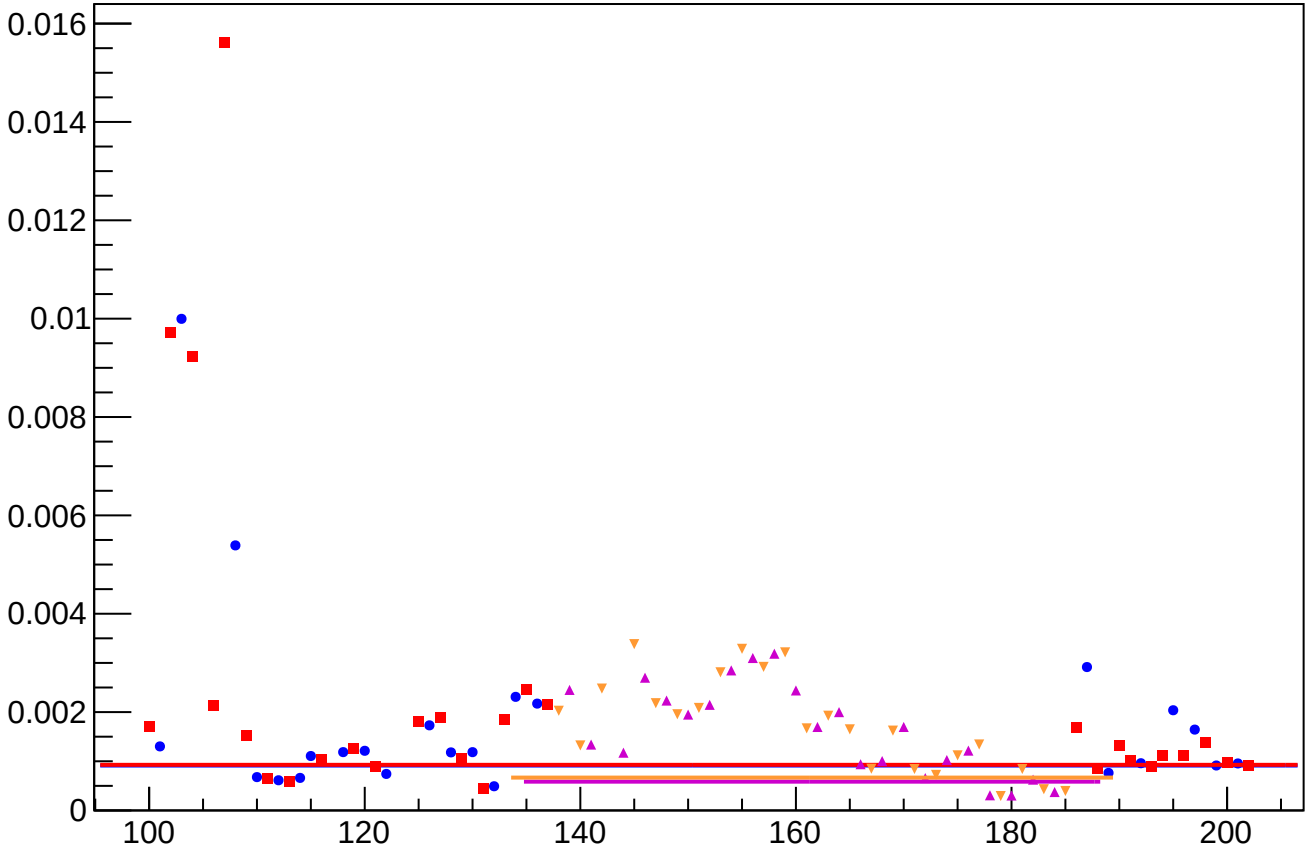
Right: 0.000+/-0.000 χ^2/NDF: 60.4/50

In: -0.000+/-0.000 χ^2/NDF:34.9/45

Out: -0.000+/-0.000 χ^2/NDF:110.1/51

All: -0.000+/-0.000 χ^2/NDF: 145.1/97

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4928027.2/22

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5617809.8/27

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

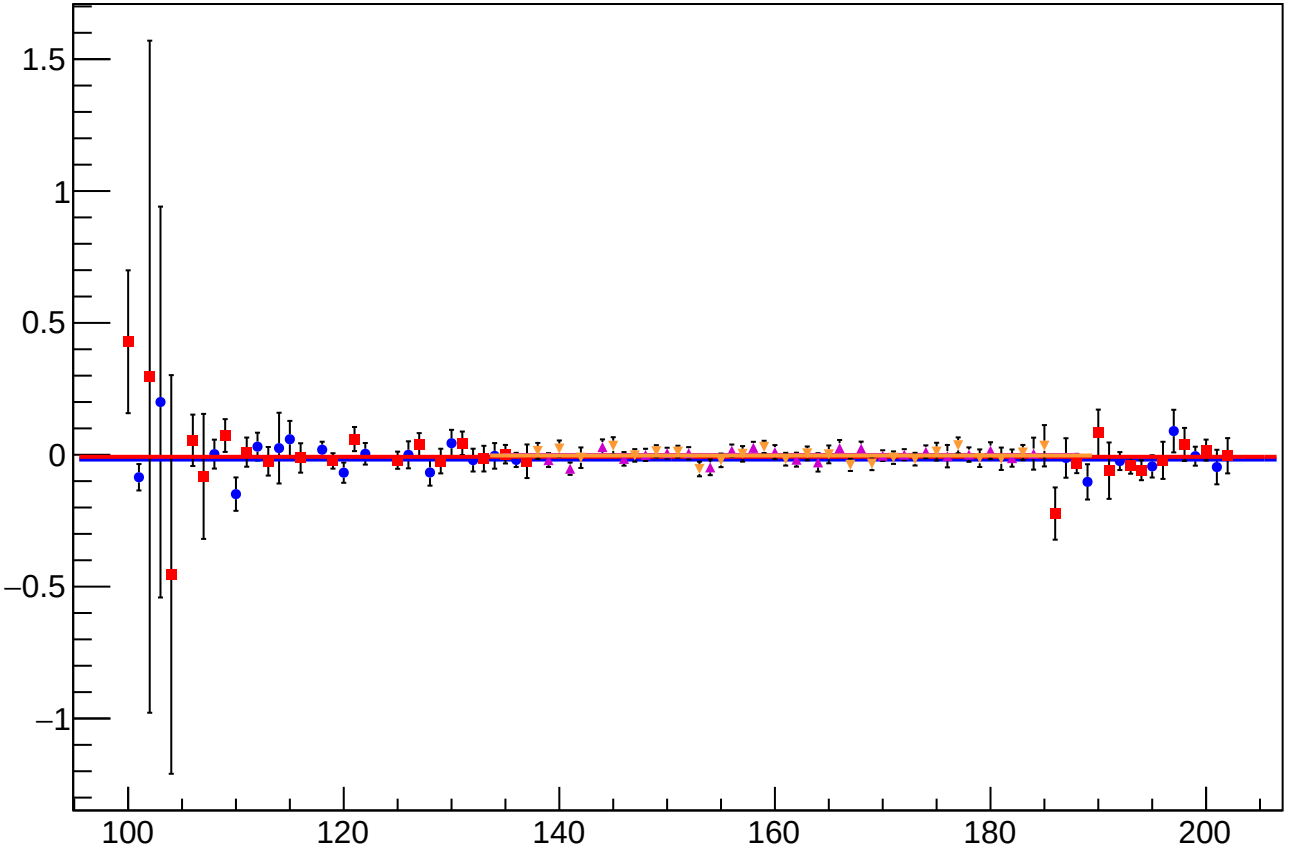
Right: 0.001+/-0.000 χ^2/NDF: 10548057.5/50

In: 0.001+/-0.000 χ^2/NDF:22335223.7/45

Out: 0.001+/-0.000 χ^2/NDF:22065591.8/51

All: 0.001+/-0.000 χ^2/NDF: 44618882.8/97

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.010 χ^2/NDF: 18.8/22

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.008+/-0.010 χ^2/NDF: 21.0/27

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

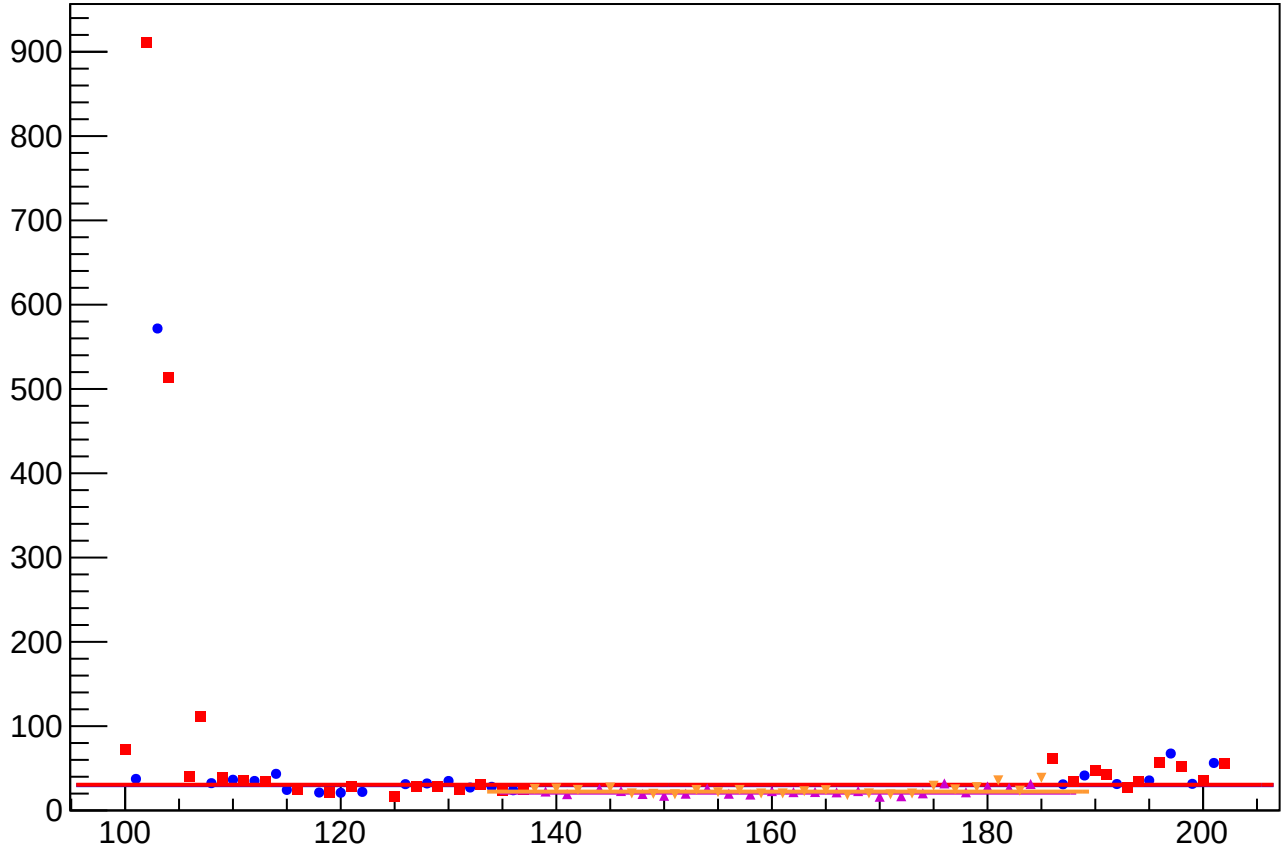
Right: -0.013+/-0.007 χ^2/NDF: 40.3/50

In: -0.005+/-0.005 χ^2/NDF:36.1/45

Out: -0.004+/-0.005 χ^2/NDF:37.5/51

All: -0.004+/-0.003 χ^2/NDF: 73.6/97

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.995+/-0.007 χ^2/NDF: 2532823.8/22

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.496+/-0.007 χ^2/NDF: 4063485.3/27

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

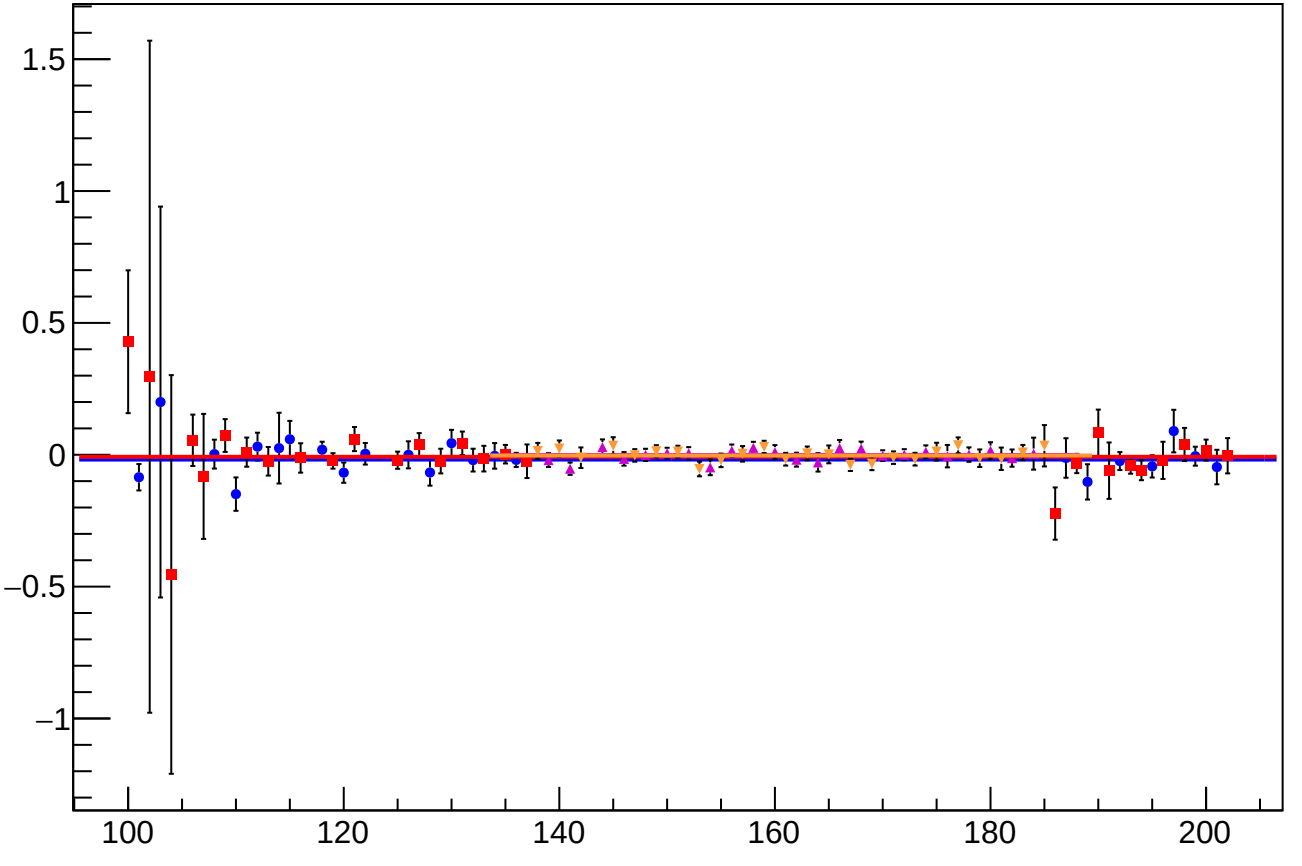
Right: 30.252+/-0.005 χ^2/NDF: 6598997.6/50

In: 23.218+/-0.003 χ^2/NDF:4614218.8/45

Out: 24.484+/-0.003 χ^2/NDF:5952561.2/51

All: 23.836+/-0.002 χ^2/NDF: 10635522.6/97

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.010 χ^2/NDF: 18.8/22

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.008+/-0.010 χ^2/NDF: 21.0/27

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

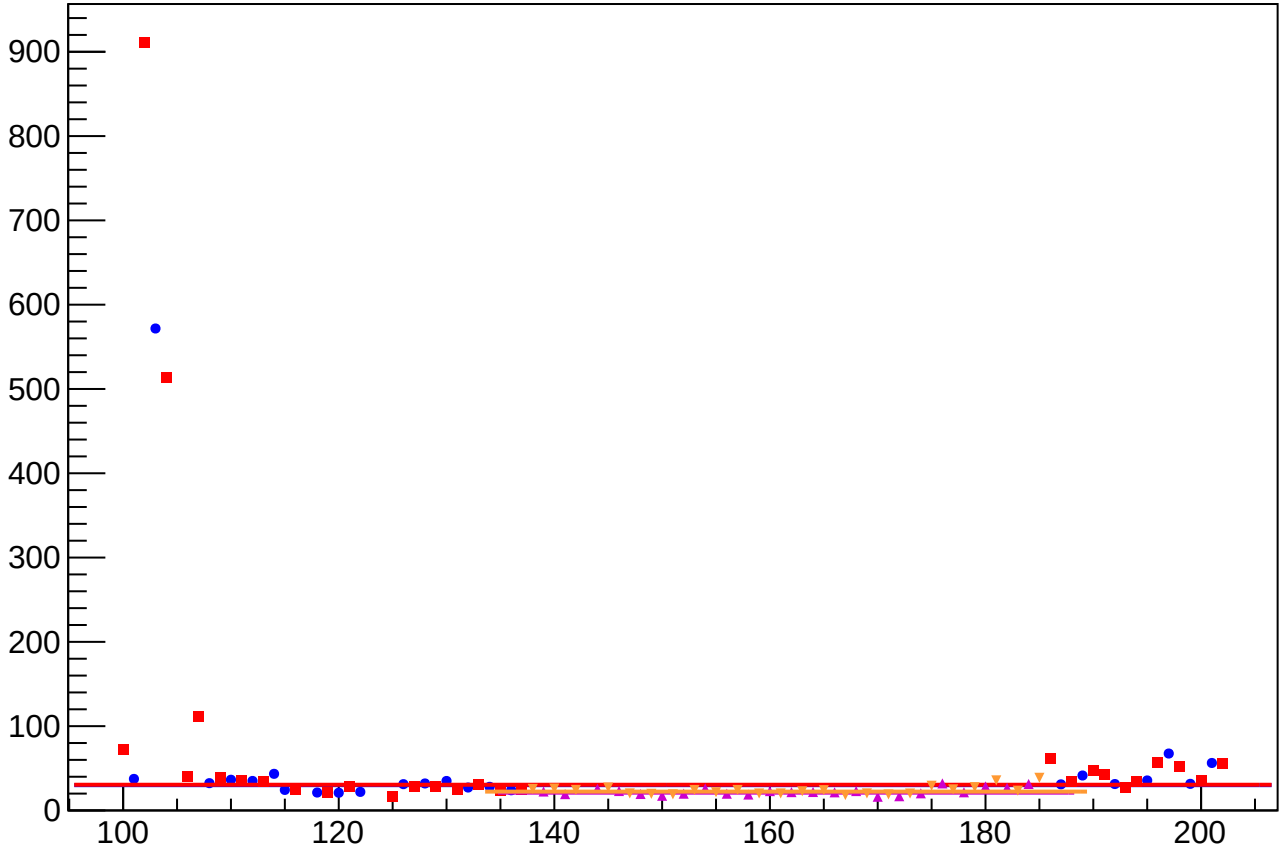
Right: -0.013+/-0.007 χ^2/NDF: 40.3/50

In: -0.005+/-0.005 χ^2/NDF:36.1/45

Out: -0.004+/-0.005 χ^2/NDF:37.5/51

All: -0.004+/-0.003 χ^2/NDF: 73.6/97

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.995+/-0.007 χ^2/NDF: 2532823.8/22

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.496+/-0.007 χ^2/NDF: 4063485.3/27

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

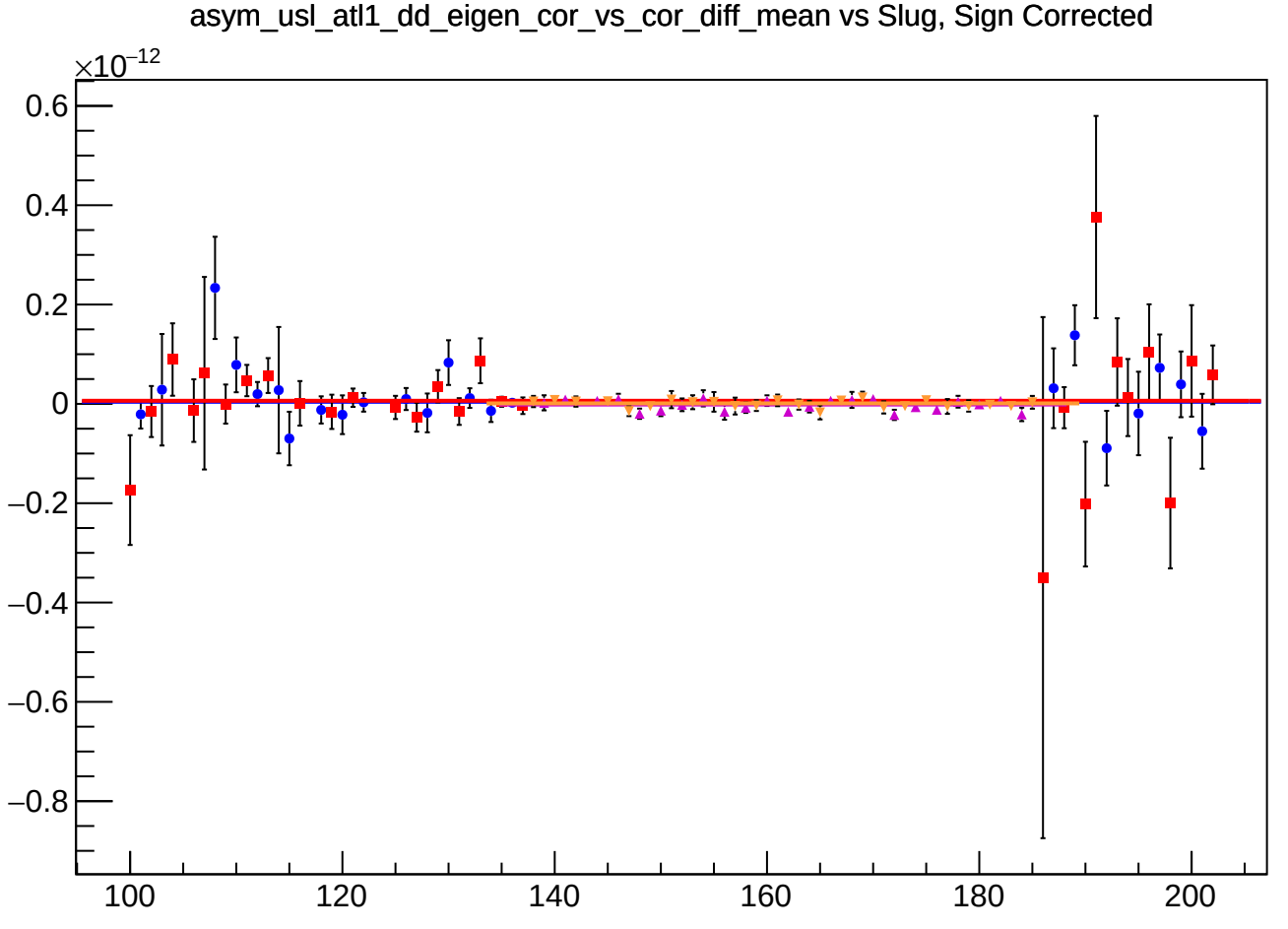
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 30.252+/-0.005 χ^2/NDF: 6598997.6/50

In: 23.218+/-0.003 χ^2/NDF:4614218.8/45

Out: 24.484+/-0.003 χ^2/NDF:5952561.2/51

All: 23.836+/-0.002 χ^2/NDF: 10635522.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/27

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

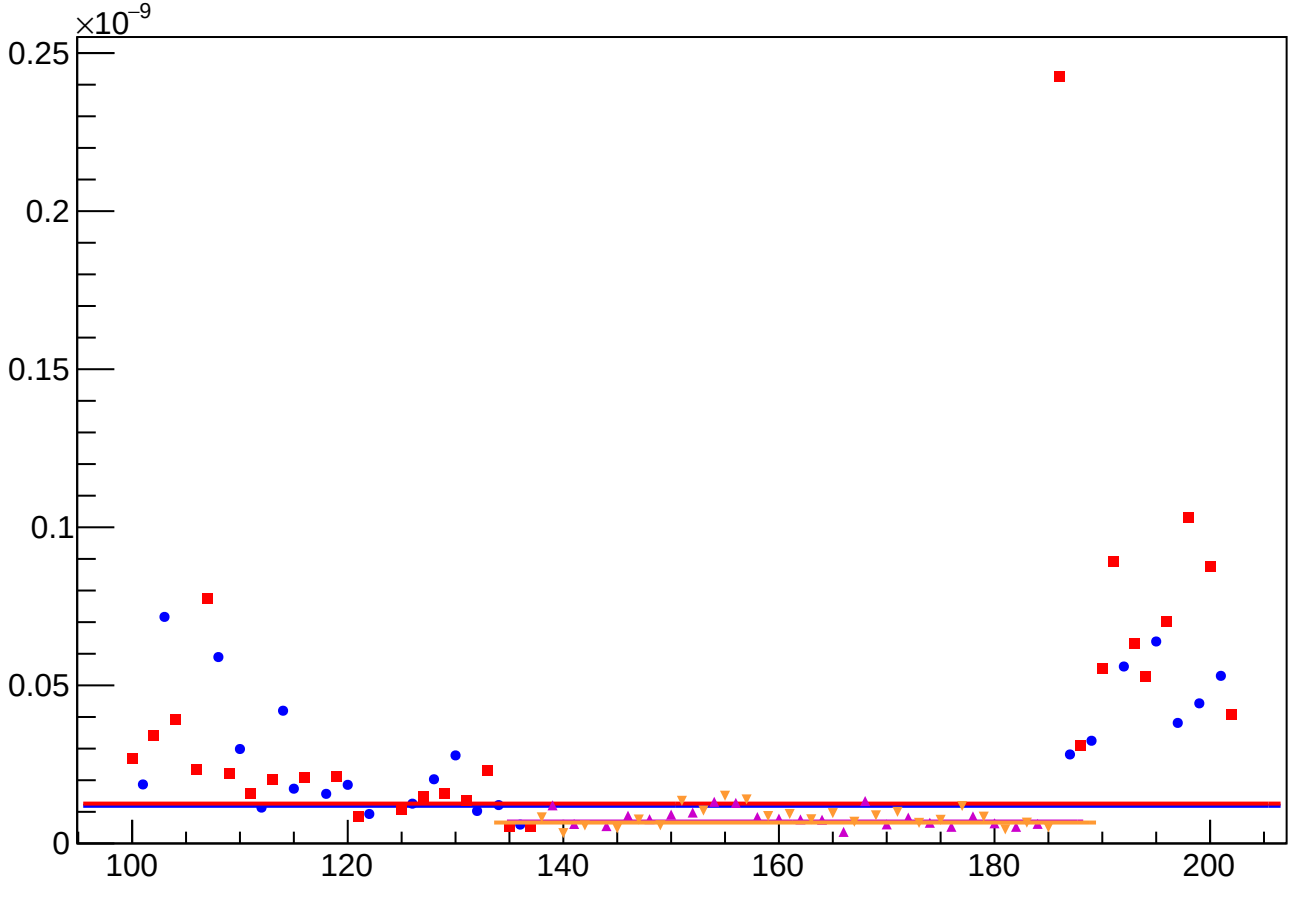
Right: 0.000+/-0.000 χ^2/NDF: 51.2/50

In: -0.000+/-0.000 χ^2/NDF:50.3/45

Out: 0.000+/-0.000 χ^2/NDF:39.8/51

All: 0.000+/-0.000 χ^2/NDF: 90.7/97

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6066504.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8502436.4/27

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

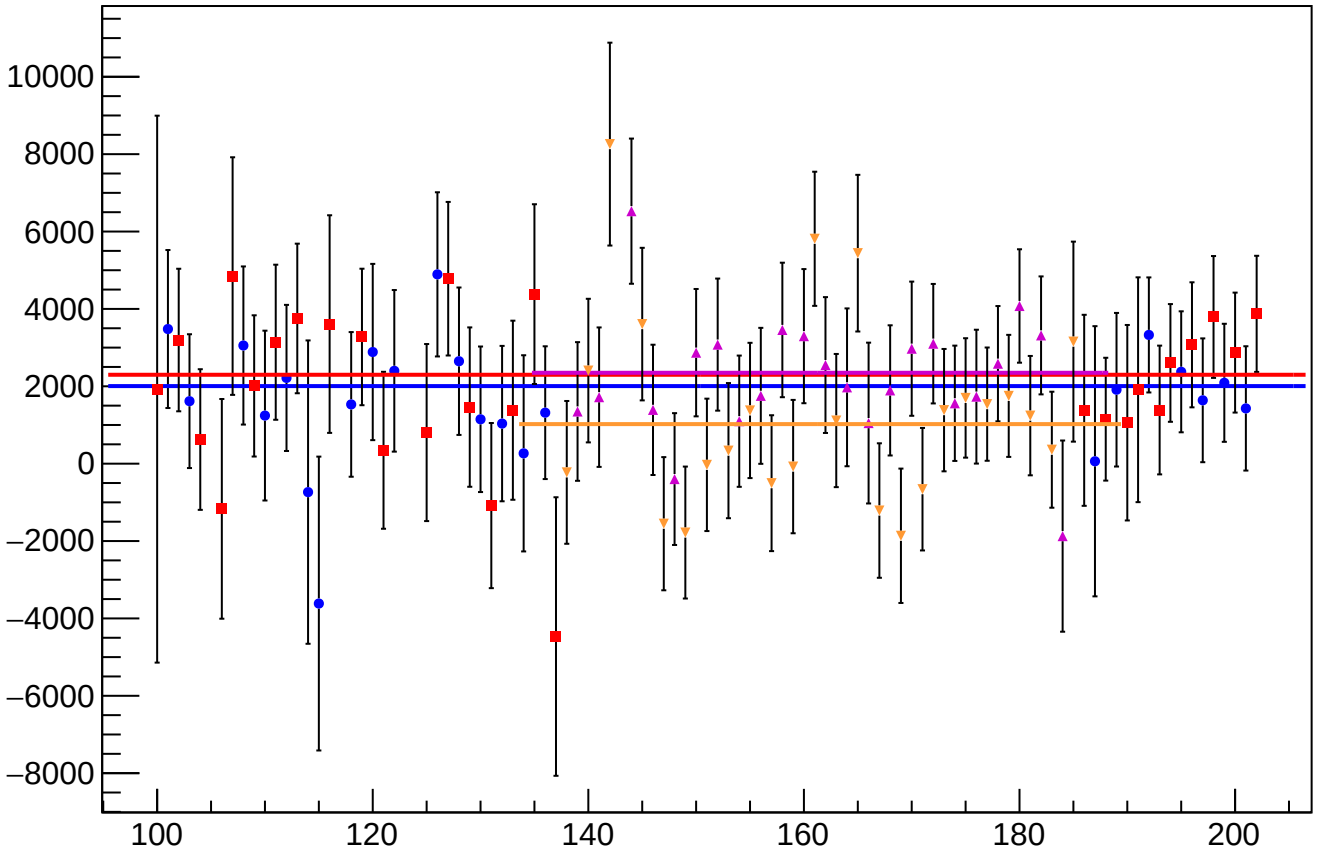
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 14583580.4/50

In: 0.000+/-0.000 χ^2/NDF:9765301.1/45

Out: 0.000+/-0.000 χ^2/NDF:13801283.6/51

All: 0.000+/-0.000 χ^2/NDF: 23591655.5/97



Right In: 2005.216+/-405.814 χ^2/NDF: 8.3/22

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2298.033+/-378.519 χ^2/NDF: 18.3/27

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

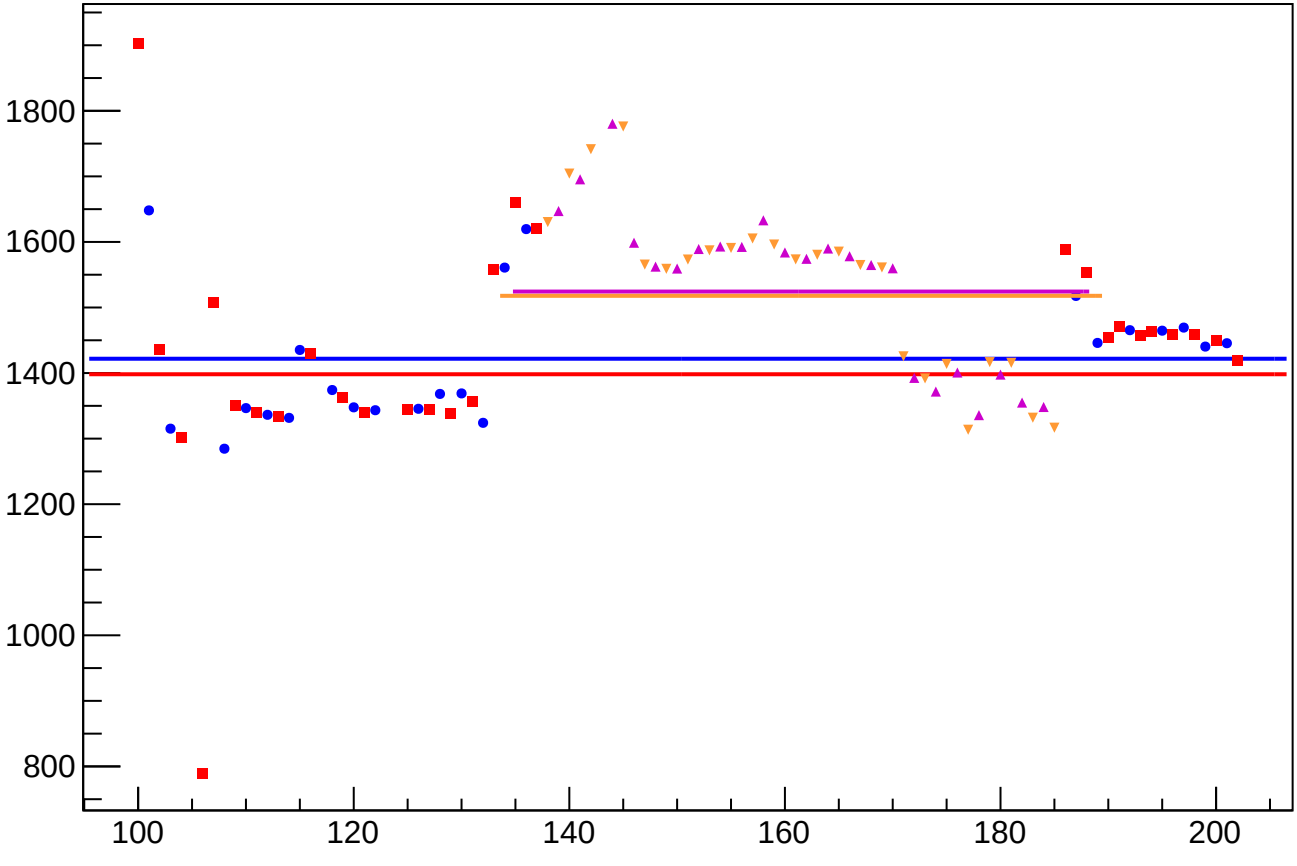
Right: 2161.802+/-276.800 χ^2/NDF: 26.8/50

In: 2199.092+/-268.072 χ^2/NDF:24.7/45

Out: 1616.704+/-258.339 χ^2/NDF:60.8/51

All: 1897.133+/-186.019 χ^2/NDF: 87.9/97

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1421.850+/-0.287 χ^2/NDF: 105547.8/22

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1398.191+/-0.263 χ^2/NDF: 394241.0/27

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

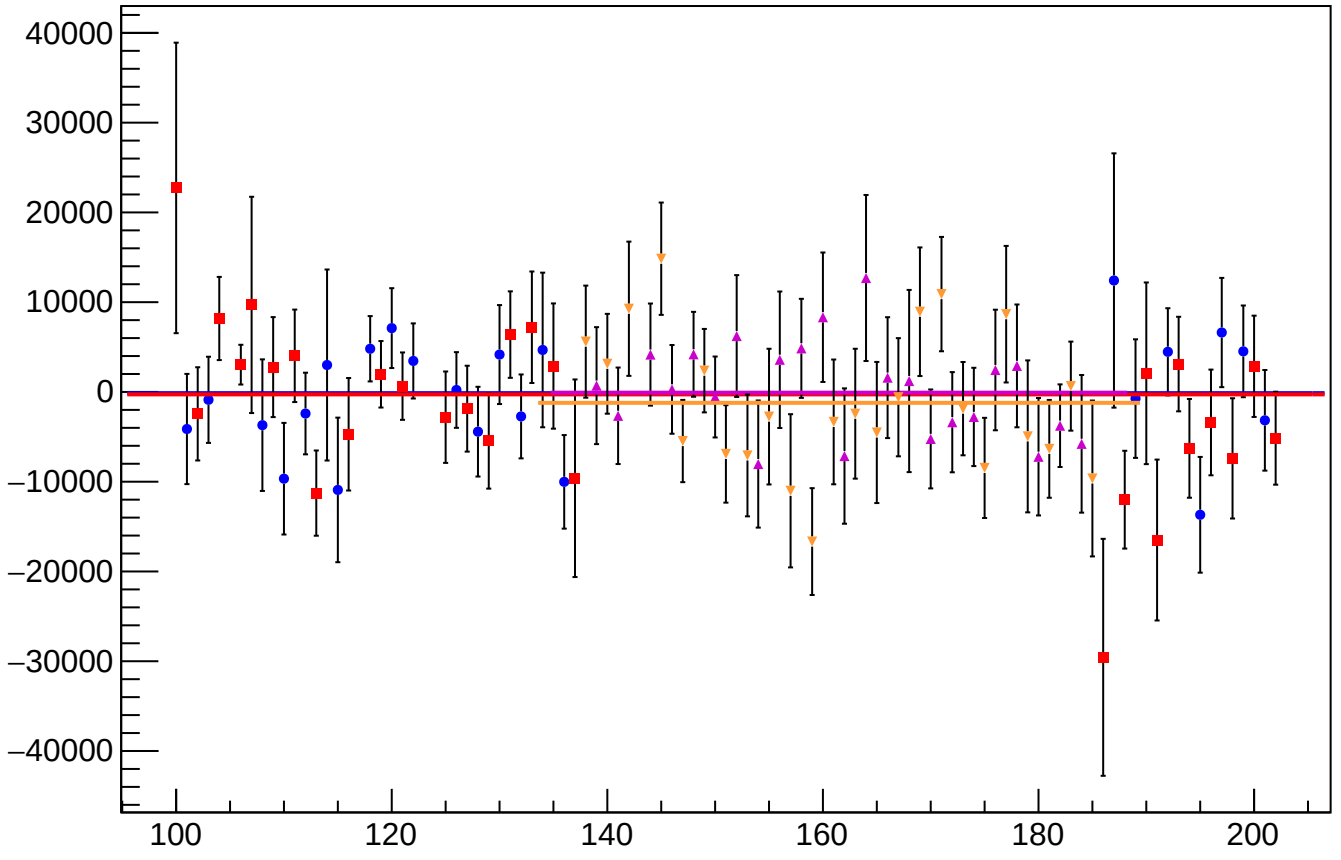
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1408.997+/-0.194 χ^2/NDF: 503482.0/50

In: 1479.603+/-0.190 χ^2/NDF:401733.9/45

Out: 1461.073+/-0.181 χ^2/NDF:736860.6/51

All: 1469.921+/-0.131 χ^2/NDF: 1143587.2/97



Right In: -134.672+/-1127.254 χ^2/NDF: 24.4/22

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -272.874+/-976.882 χ^2/NDF: 38.4/27

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

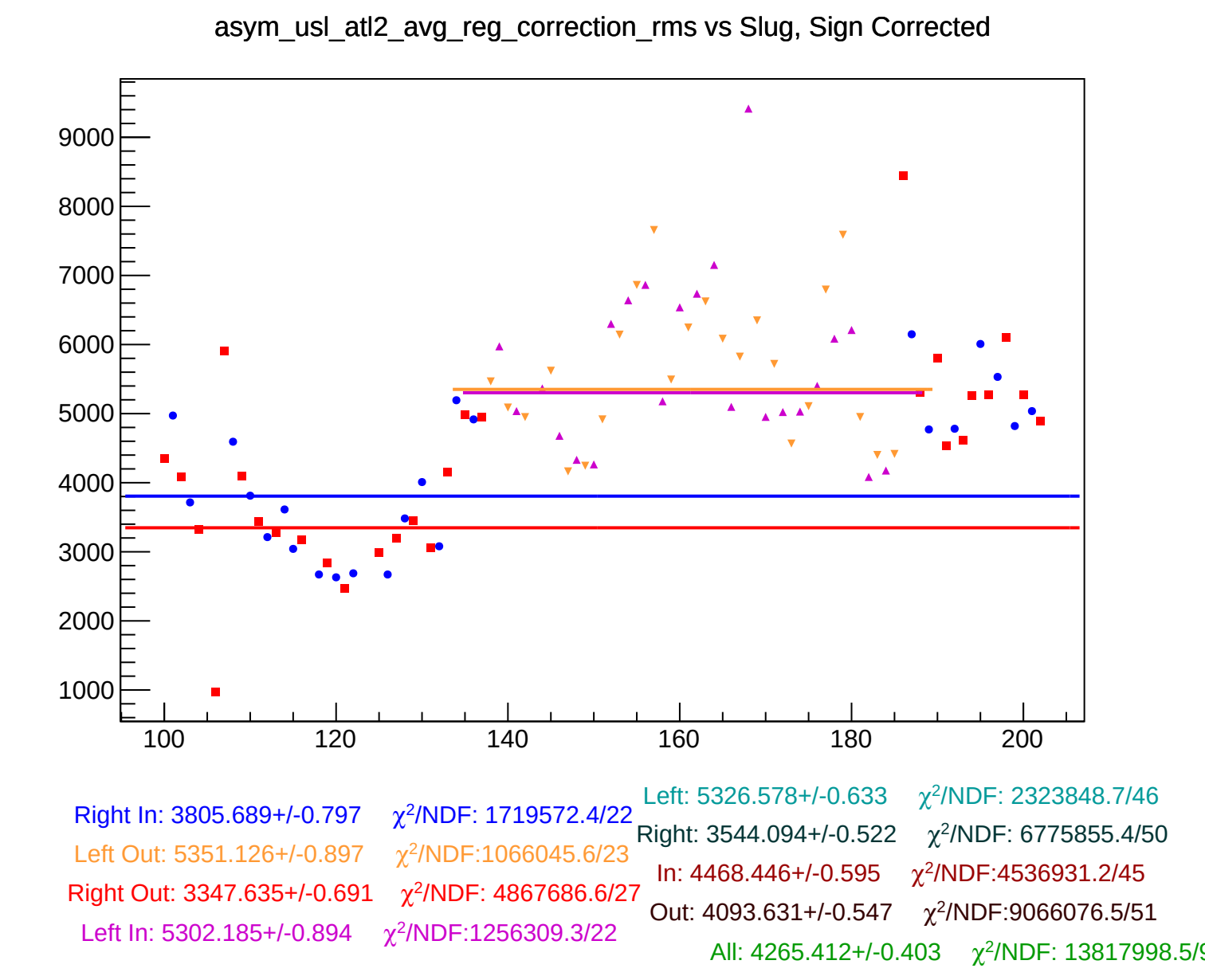
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

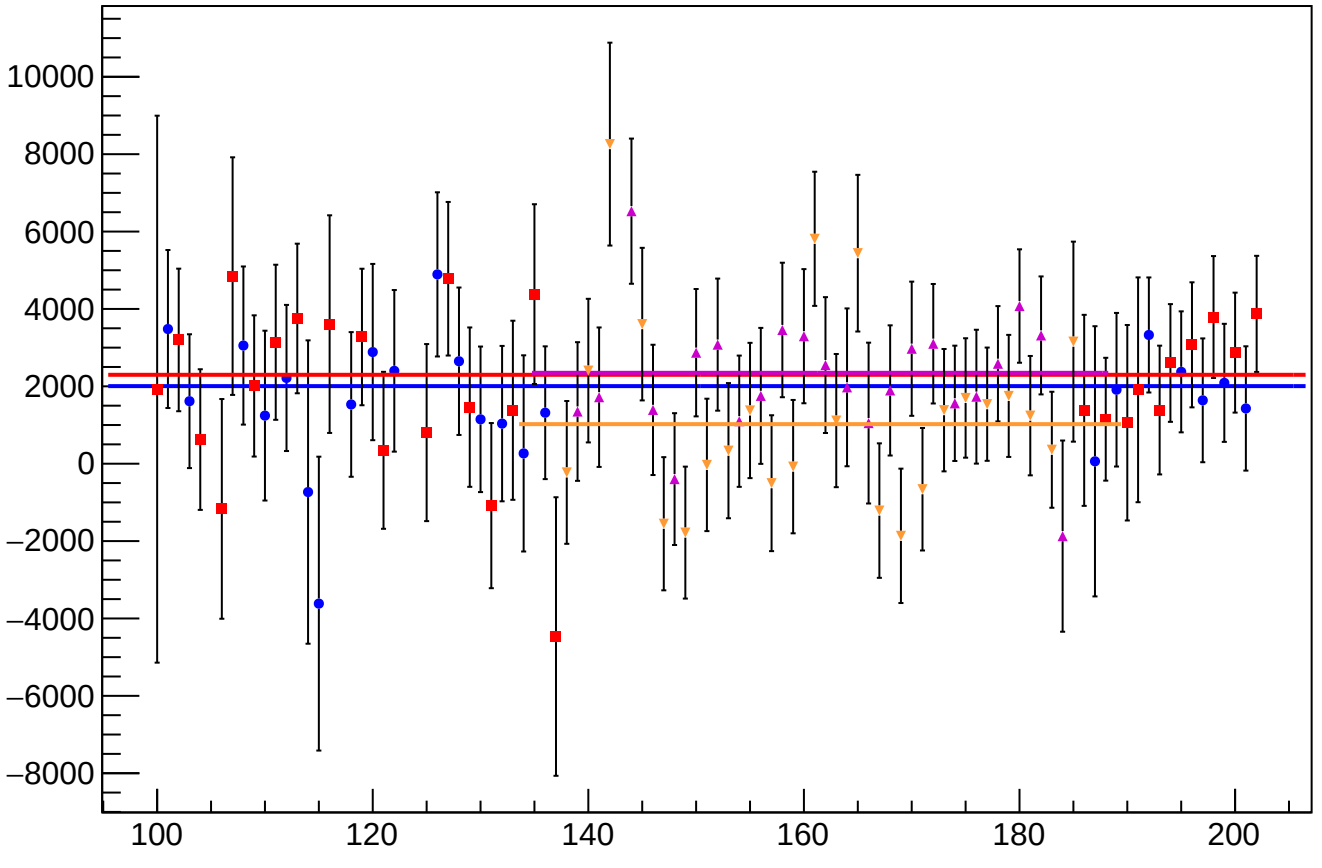
Right: -213.599+/-738.242 χ^2/NDF: 62.9/50

In: -110.805+/-841.393 χ^2/NDF:37.6/45

Out: -622.515+/-773.930 χ^2/NDF:72.0/51

All: -387.994+/-569.610 χ^2/NDF: 109.8/97


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
Right In: 3805.689+/-0.797 χ²/NDF: 1719572.4/22
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3347.635+/-0.691 χ²/NDF: 4867686.6/27
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3544.094+/-0.522 χ²/NDF: 6775855.4/50
In: 4468.446+/-0.595 χ²/NDF:4536931.2/45
Out: 4093.631+/-0.547 χ²/NDF:9066076.5/51
All: 4265.412+/-0.403 χ²/NDF: 13817998.5/9



Right In: 2005.227+/-405.814 χ^2/NDF: 8.3/22

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2298.132+/-378.520 χ^2/NDF: 18.3/27

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

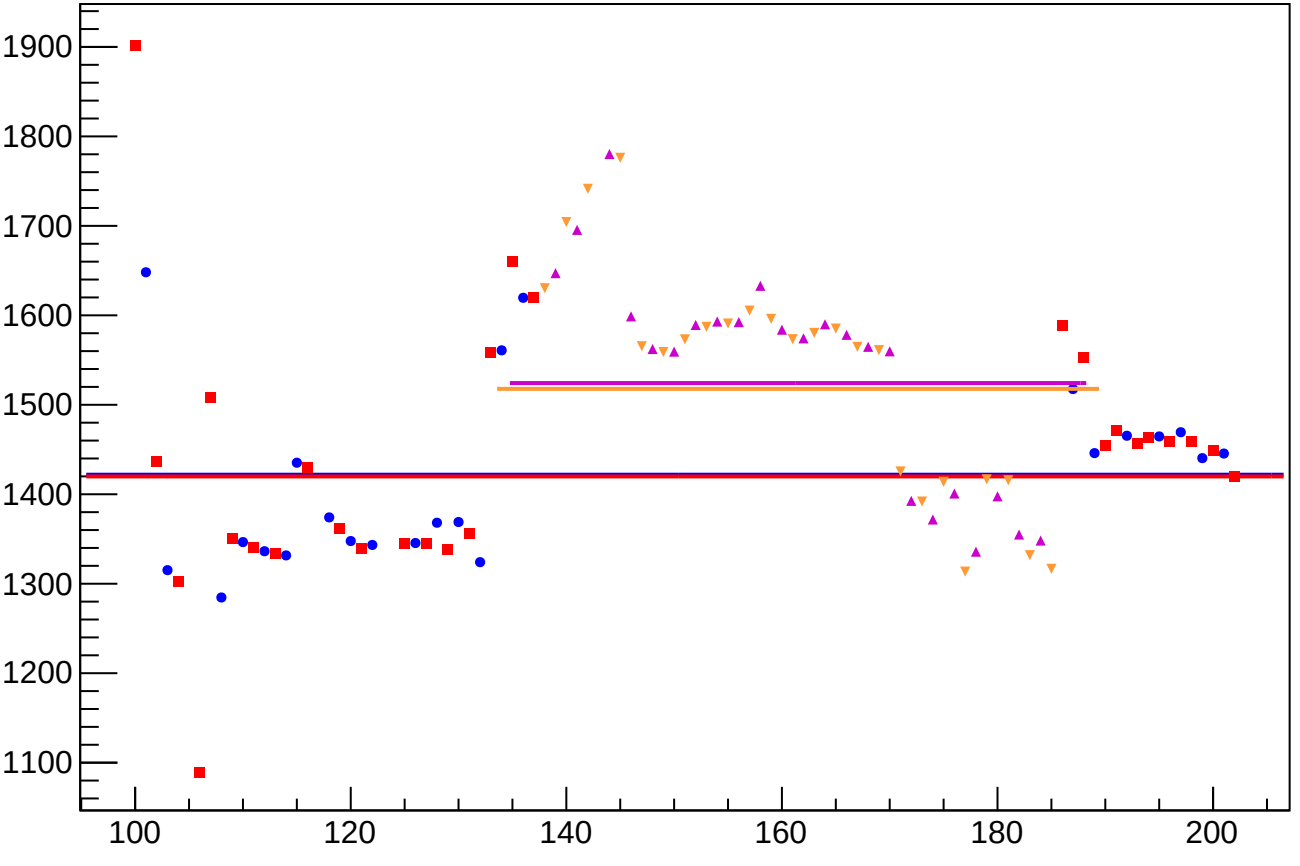
Right: 2161.860+/-276.801 χ^2/NDF: 26.8/50

In: 2199.095+/-268.072 χ^2/NDF:24.7/45

Out: 1616.764+/-258.339 χ^2/NDF:60.8/51

All: 1897.167+/-186.019 χ^2/NDF: 87.9/97

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1421.850+/-0.287 χ^2/NDF: 105547.9/22

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1419.936+/-0.266 χ^2/NDF: 158781.8/27

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

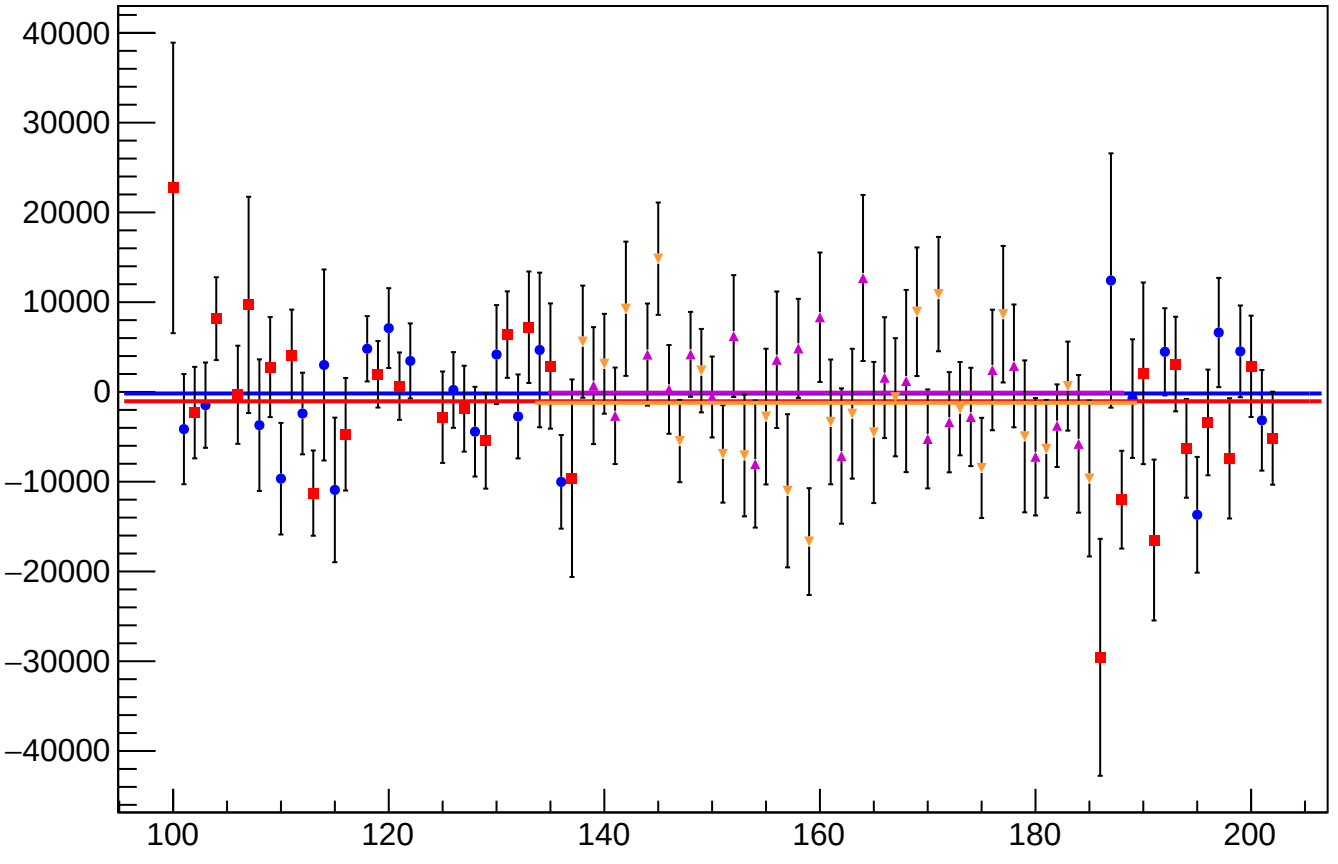
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1420.820+/-0.195 χ^2/NDF: 264353.6/50

In: 1479.603+/-0.190 χ^2/NDF:401734.0/45

Out: 1471.875+/-0.182 χ^2/NDF:464723.9/51

All: 1475.583+/-0.131 χ^2/NDF: 867322.4/97



Right In: -169.406+/-1126.605 χ^2/NDF: 24.5/22

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1038.556+/-1066.545 χ^2/NDF: 35.7/27

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

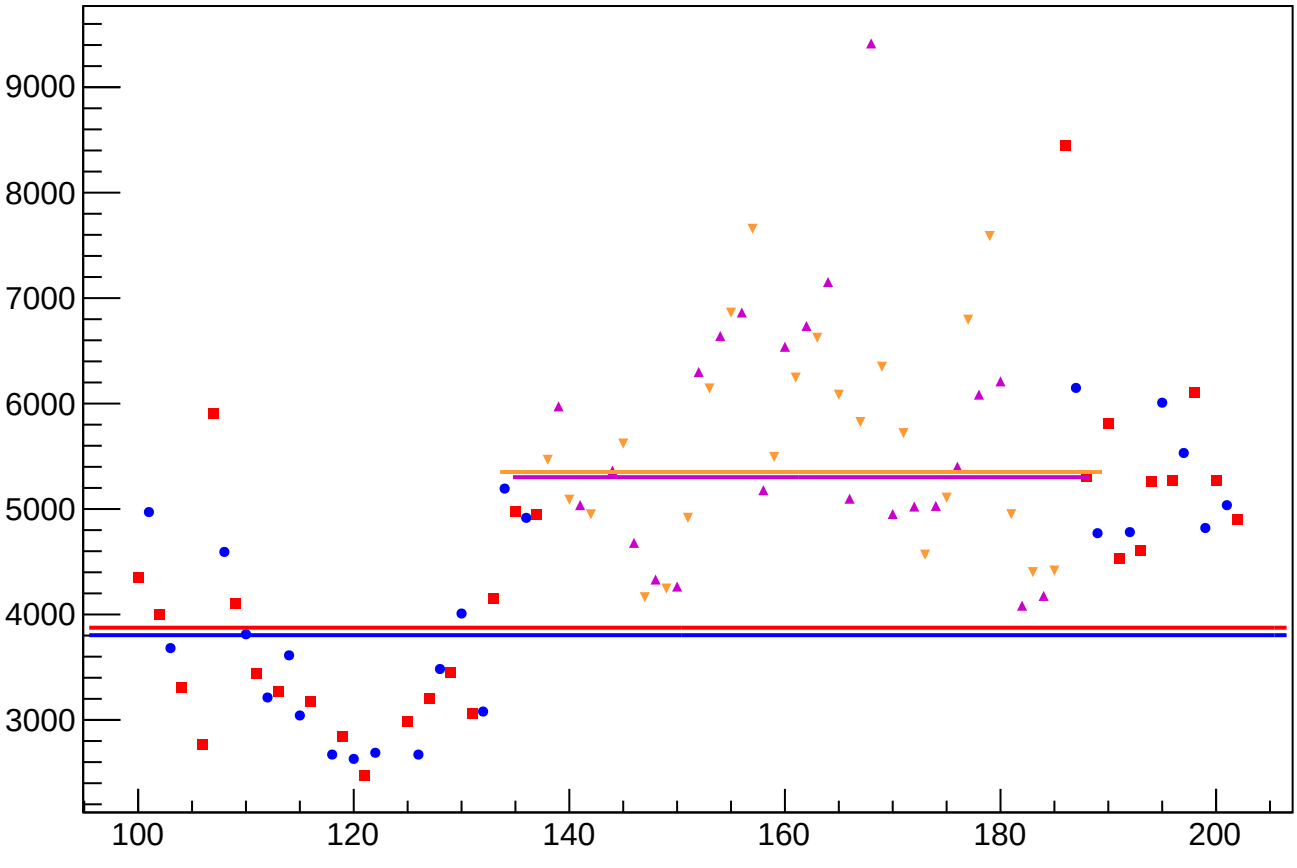
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -627.765+/-774.523 χ^2/NDF: 60.5/50

In: -130.141+/-841.122 χ^2/NDF:37.7/45

Out: -1110.355+/-816.291 χ^2/NDF:68.9/51

All: -634.930+/-585.787 χ^2/NDF: 107.3/97



Right In: 3803.681+/-0.797 χ^2/NDF: 1720124.0/22

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3874.590+/-0.754 χ^2/NDF: 2086715.2/27

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

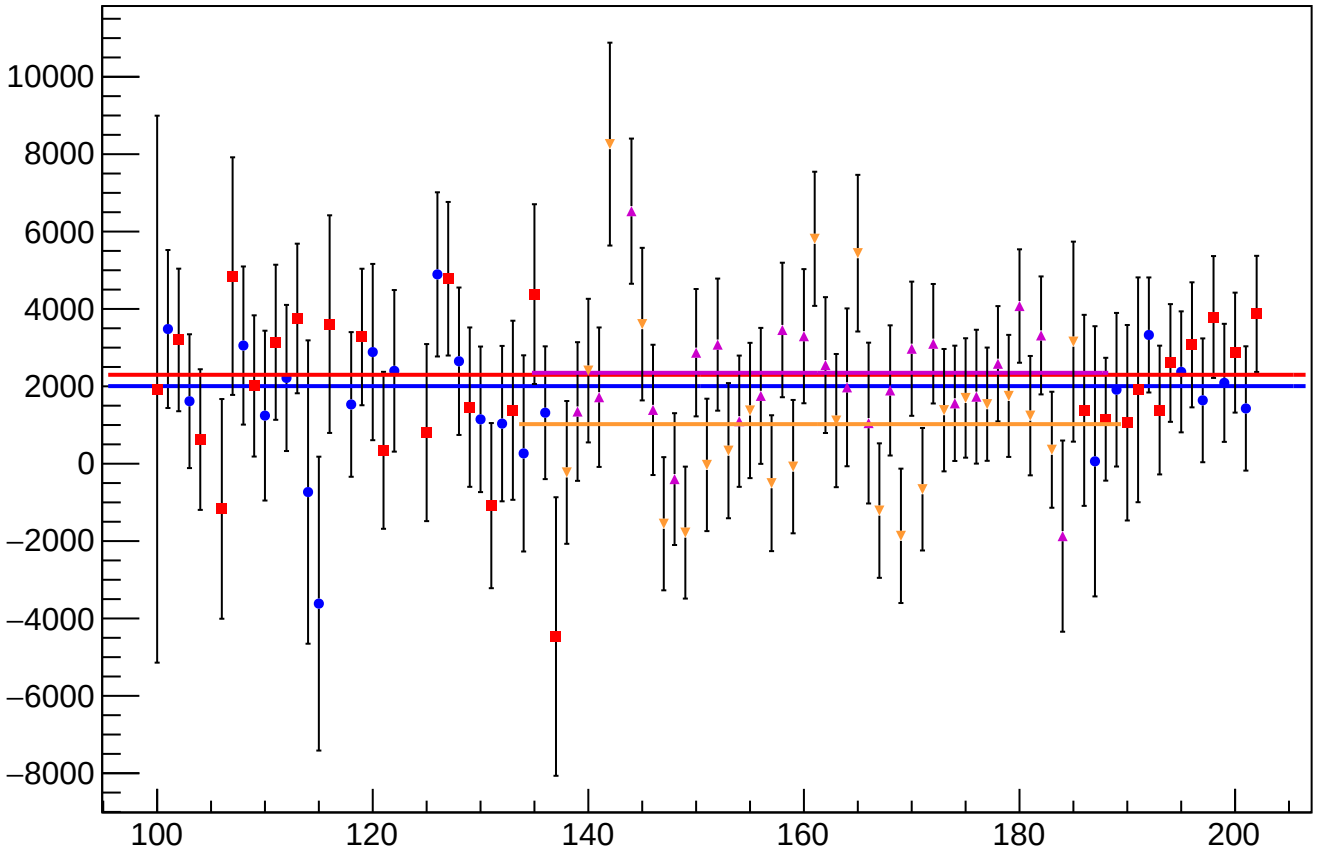
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3841.076+/-0.548 χ^2/NDF: 3811017.5/50

In: 4466.899+/-0.595 χ^2/NDF:4542474.3/45

Out: 4486.208+/-0.577 χ^2/NDF:4740563.9/51

All: 4476.843+/-0.414 χ^2/NDF: 9283580.9/97



Right In: 2005.227+/-405.814 χ^2/NDF: 8.3/22

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2298.132+/-378.520 χ^2/NDF: 18.3/27

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

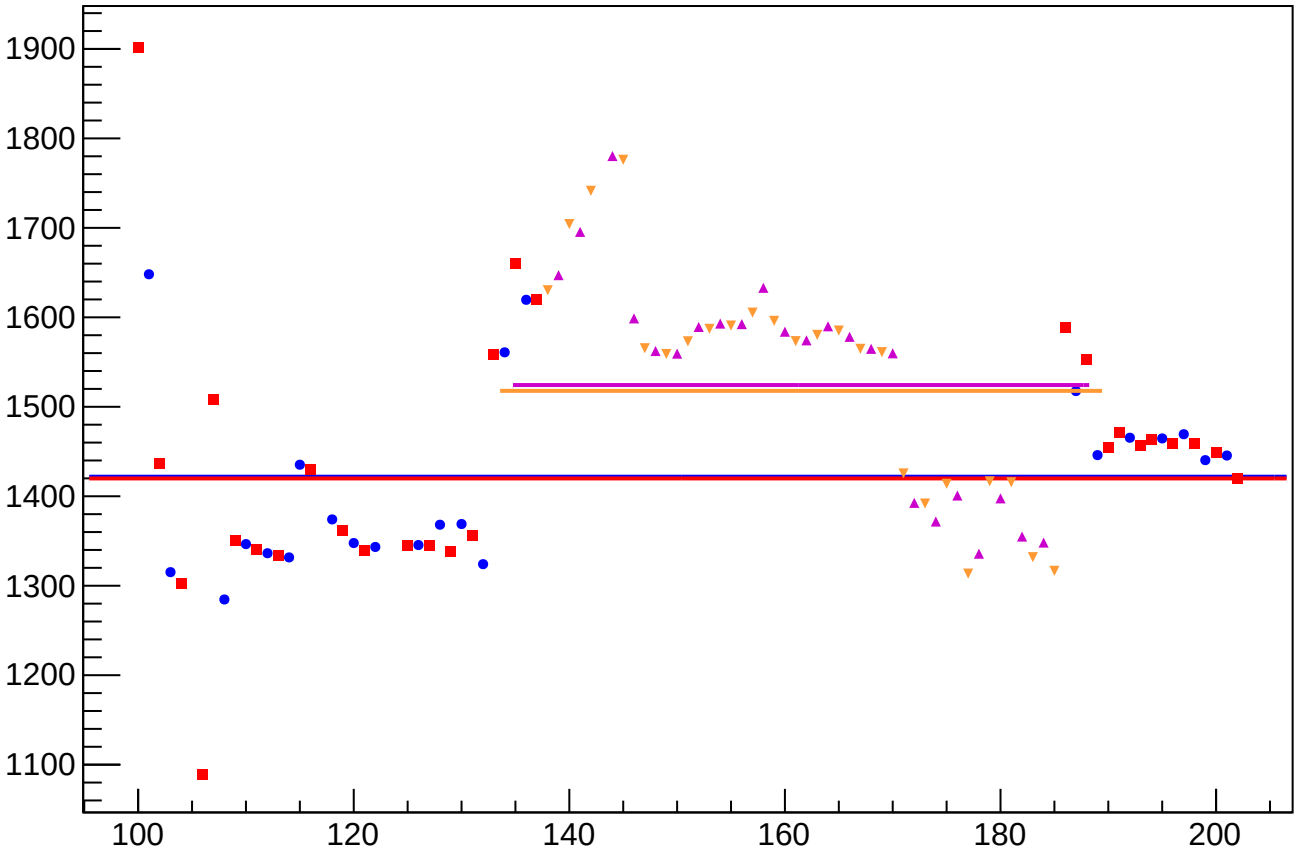
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2161.860+/-276.801 χ^2/NDF: 26.8/50

In: 2199.095+/-268.072 χ^2/NDF:24.7/45

Out: 1616.764+/-258.339 χ^2/NDF:60.8/51

All: 1897.167+/-186.019 χ^2/NDF: 87.9/97



Right In: 1421.850+/-0.287 χ^2/NDF: 105547.9/22

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1419.936+/-0.266 χ^2/NDF: 158781.8/27

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

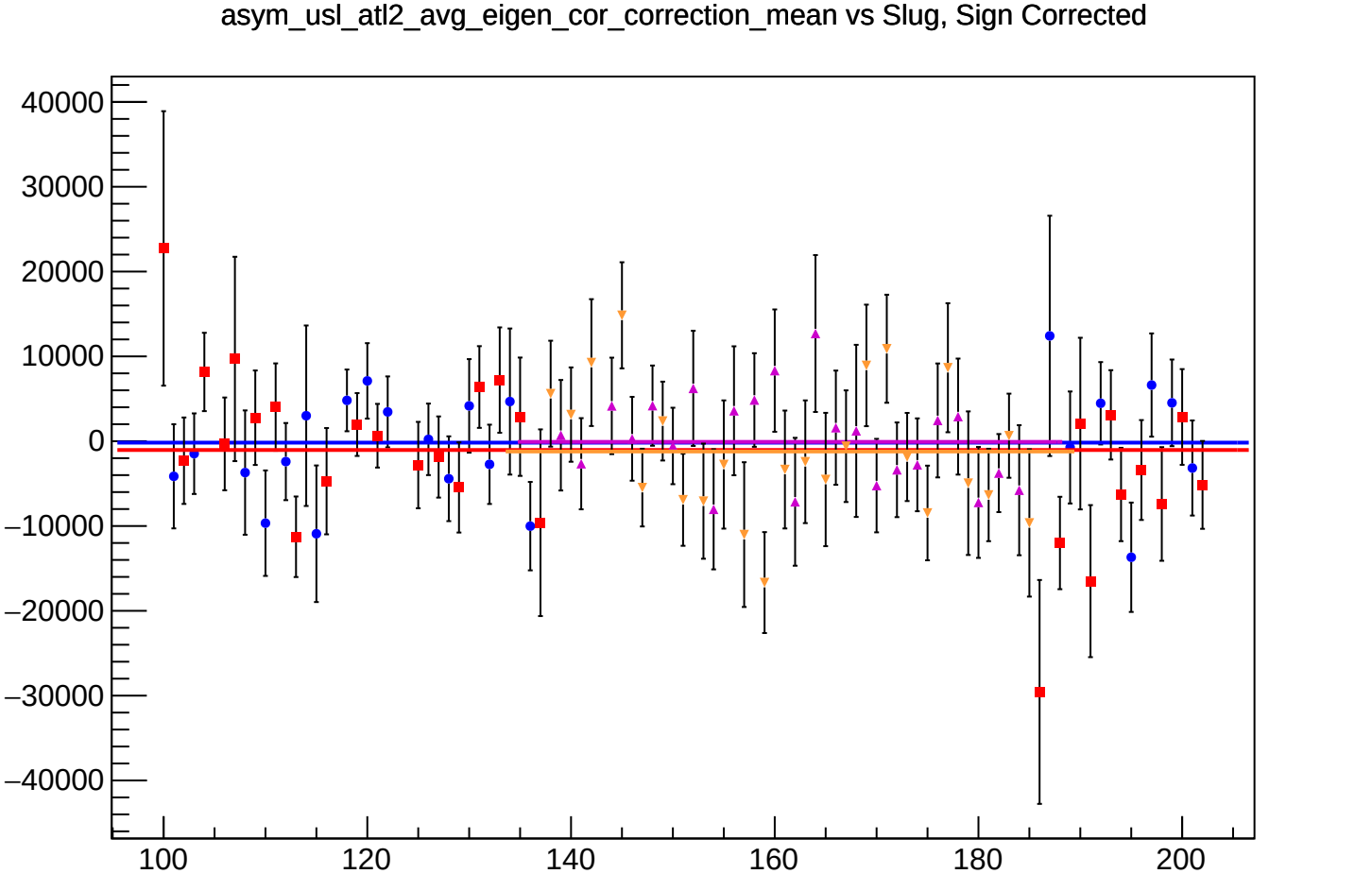
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1420.820+/-0.195 χ^2/NDF: 264353.6/50

In: 1479.603+/-0.190 χ^2/NDF:401734.0/45

Out: 1471.875+/-0.182 χ^2/NDF:464723.9/51

All: 1475.583+/-0.131 χ^2/NDF: 867322.4/97



Right In: -169.406+/-1126.605 χ^2/NDF: 24.5/22

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1038.556+/-1066.545 χ^2/NDF: 35.7/27

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

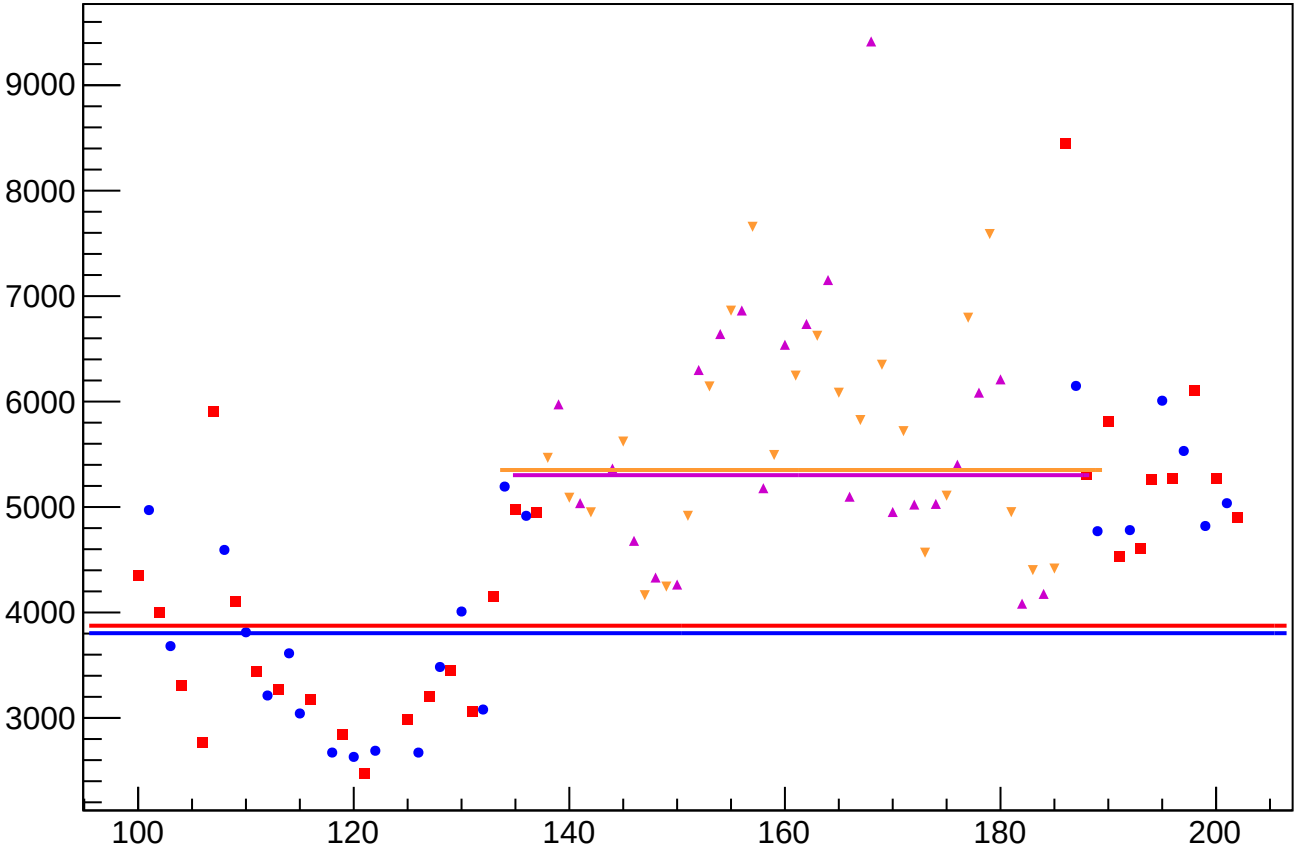
Right: -627.765+/-774.523 χ^2/NDF: 60.5/50

In: -130.141+/-841.122 χ^2/NDF:37.7/45

Out: -1110.355+/-816.291 χ^2/NDF:68.9/51

All: -634.930+/-585.787 χ^2/NDF: 107.3/97

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3803.681+/-0.797 χ^2/NDF: 1720124.0/22

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3874.590+/-0.754 χ^2/NDF: 2086715.2/27

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

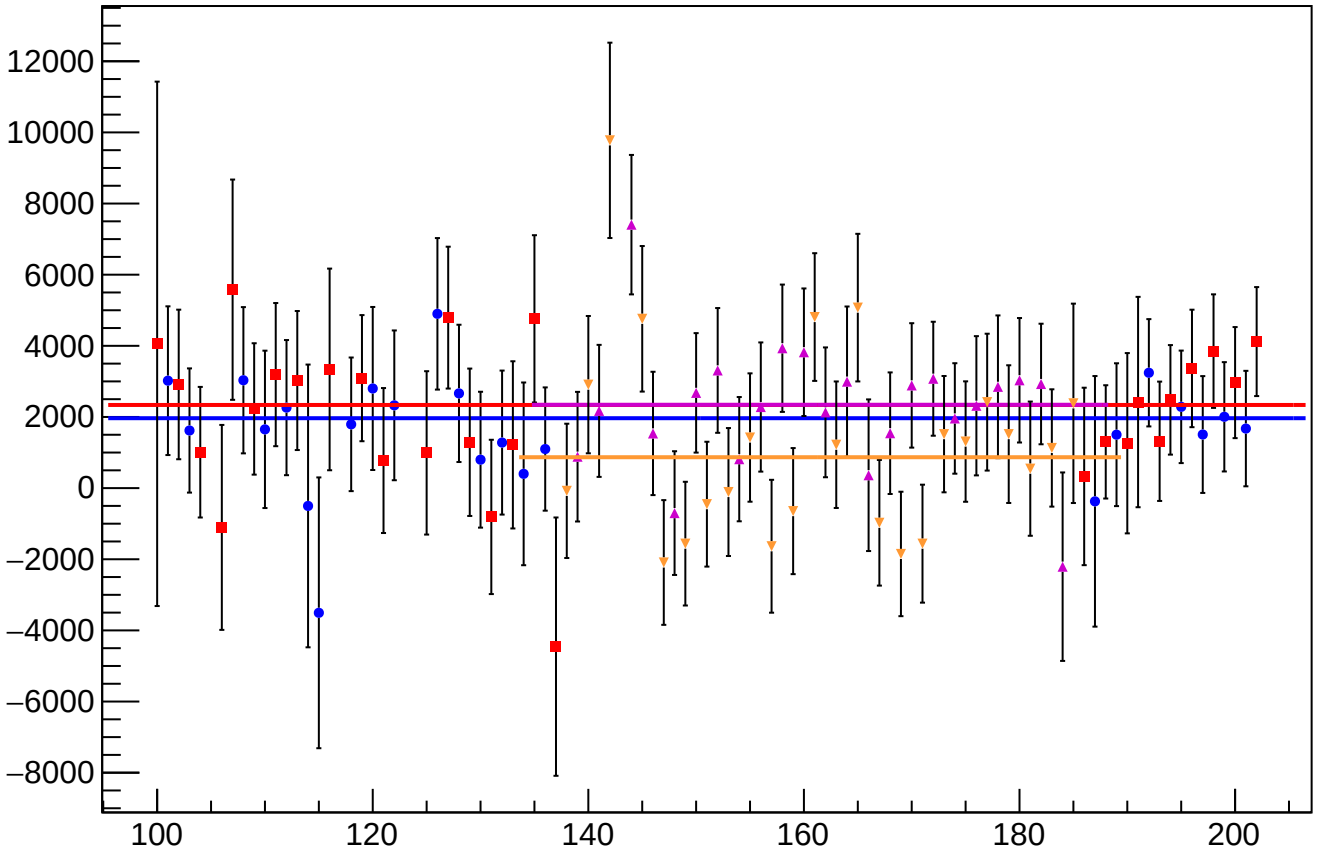
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3841.076+/-0.548 χ^2/NDF: 3811017.5/50

In: 4466.899+/-0.595 χ^2/NDF:4542474.3/45

Out: 4486.208+/-0.577 χ^2/NDF:4740563.9/51

All: 4476.843+/-0.414 χ^2/NDF: 9283580.9/97



Right In: 1965.356+/-410.270 χ^2/NDF: 7.7/22

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2337.558+/-384.218 χ^2/NDF: 17.8/27

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

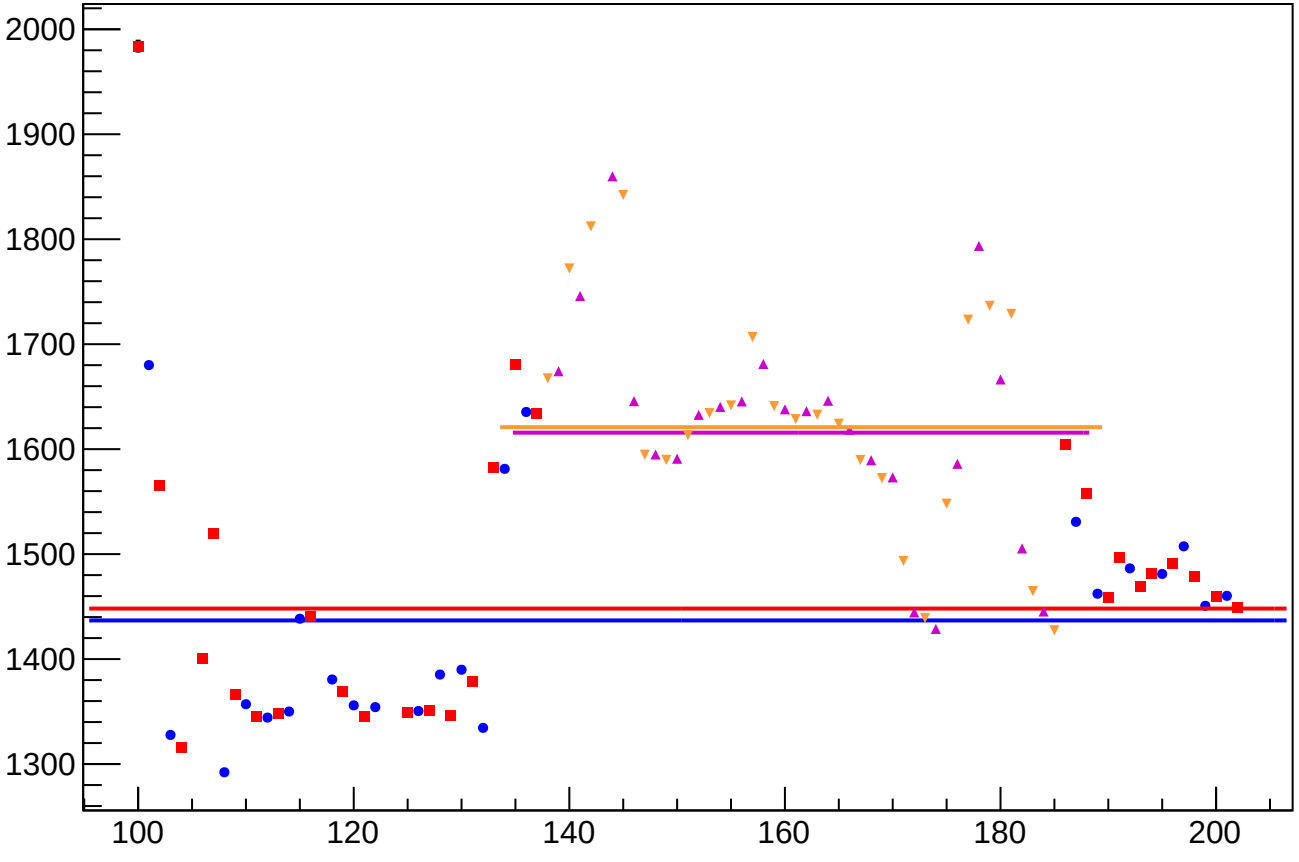
Right: 2163.649+/-280.441 χ^2/NDF: 26.0/50

In: 2169.179+/-278.041 χ^2/NDF:26.2/45

Out: 1589.407+/-269.160 χ^2/NDF:65.0/51

All: 1869.886+/-193.388 χ^2/NDF: 93.5/97

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1436.821+/-0.290 χ^2/NDF: 113853.6/22

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1448.133+/-0.271 χ^2/NDF: 120406.8/27

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

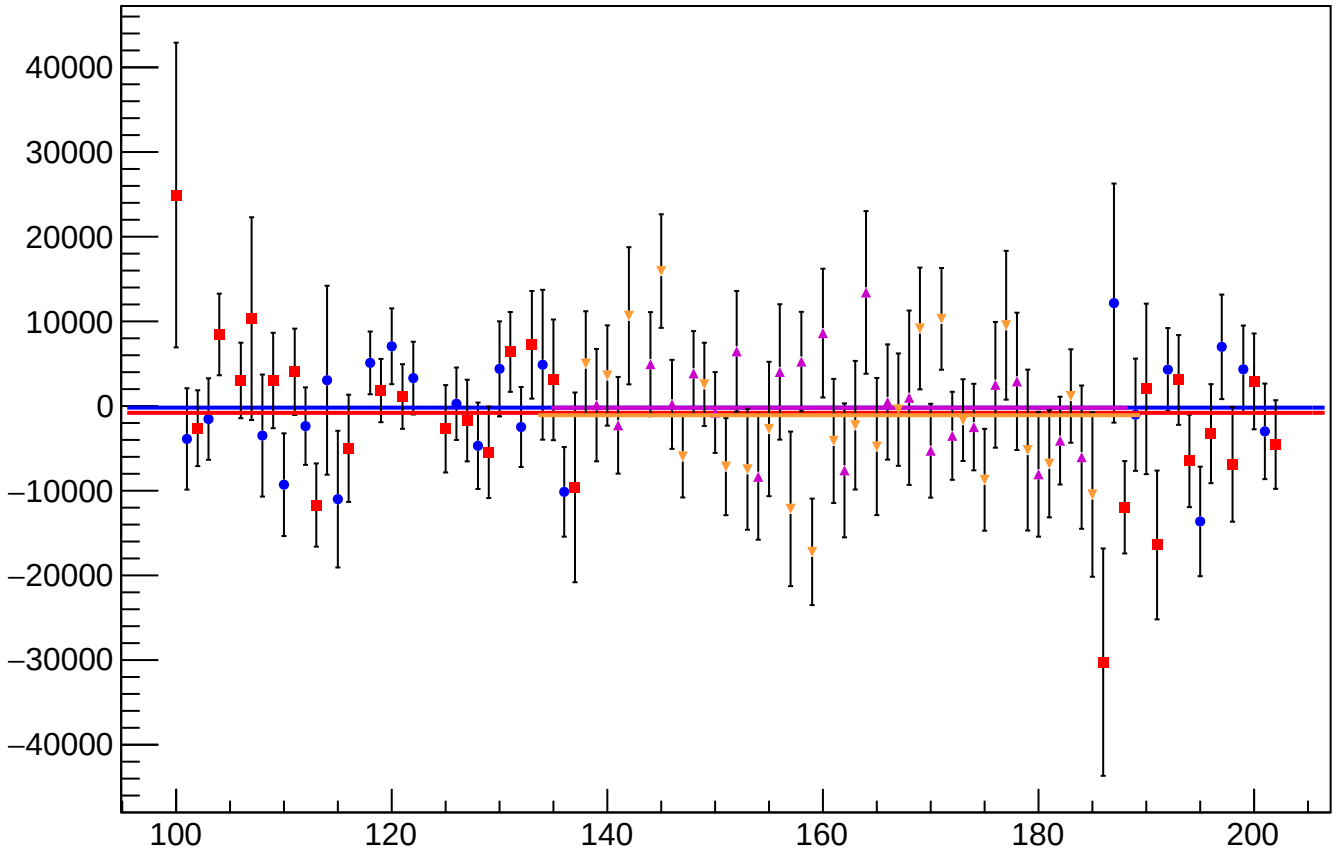
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1442.855+/-0.198 χ^2/NDF: 235071.4/50

In: 1533.547+/-0.197 χ^2/NDF:456583.0/45

Out: 1536.014+/-0.190 χ^2/NDF:468728.1/51

All: 1534.822+/-0.137 χ^2/NDF: 925392.4/97



Right In: -185.243+/-1138.012 χ^2/NDF: 24.2/22

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -800.647+/-1058.832 χ^2/NDF: 36.5/27

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

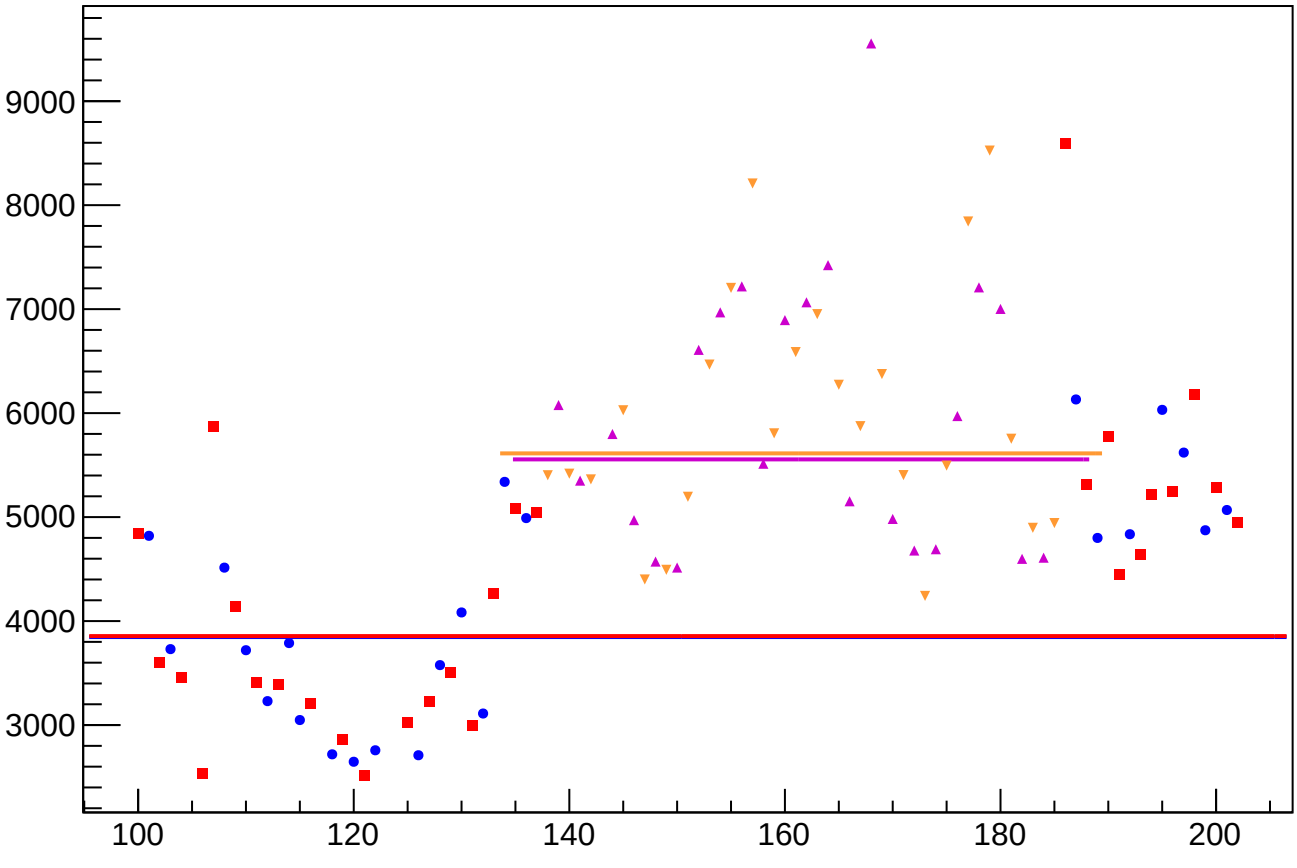
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -515.097+/-775.189 χ^2/NDF: 60.8/50

In: -192.206+/-863.627 χ^2/NDF:37.1/45

Out: -909.641+/-828.956 χ^2/NDF:69.5/51

All: -565.613+/-598.042 χ^2/NDF: 106.9/97



Right In: 3846.537+/-0.805 χ^2/NDF: 1676014.8/22

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3855.644+/-0.749 χ^2/NDF: 2158715.8/27

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

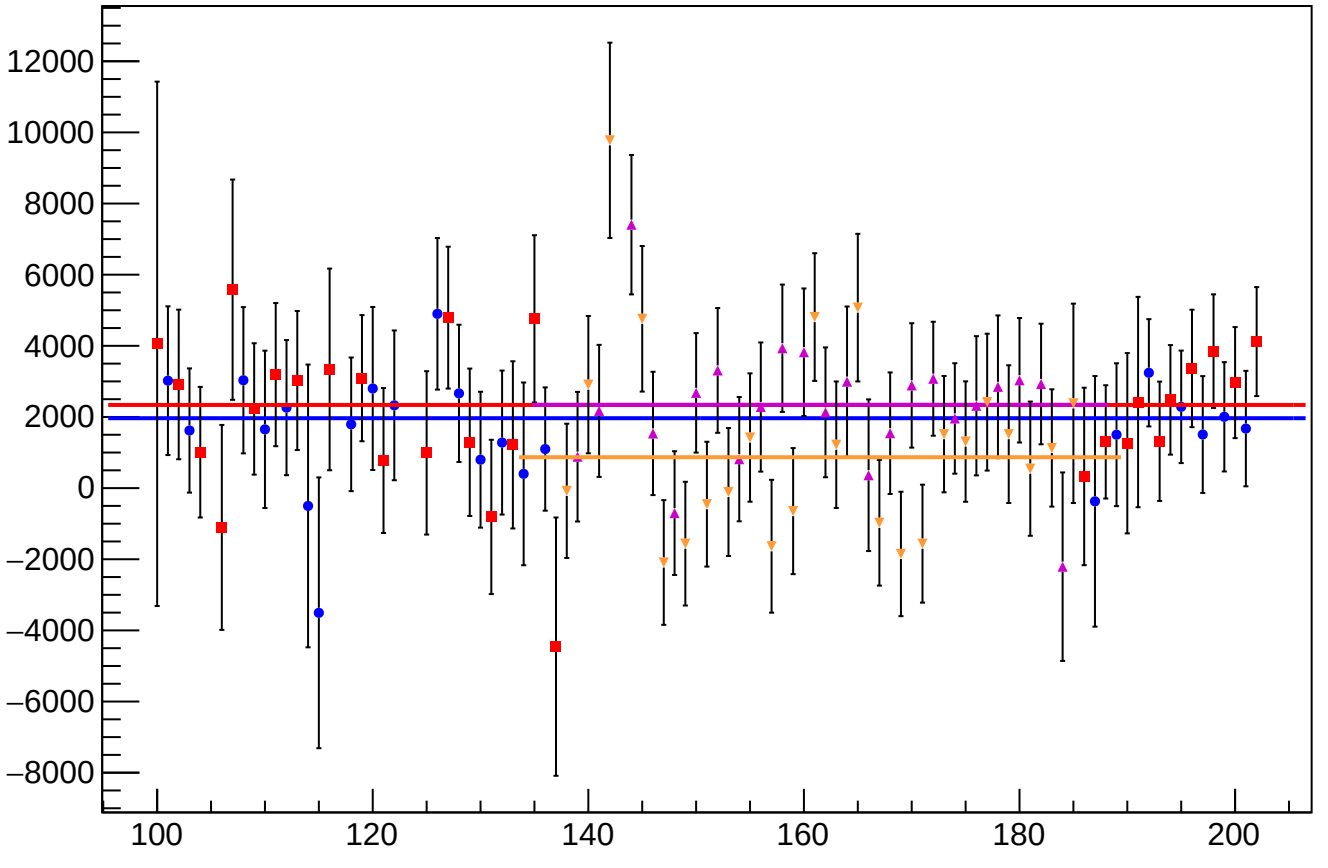
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3851.418+/-0.548 χ^2/NDF: 3834799.3/50

In: 4571.038+/-0.611 χ^2/NDF:4920432.5/45

Out: 4535.764+/-0.586 χ^2/NDF:5478671.8/51

All: 4552.679+/-0.423 χ^2/NDF: 10400840.9/9



Right In: 1965.355+/-410.270 χ^2/NDF: 7.7/22

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2337.558+/-384.218 χ^2/NDF: 17.8/27

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

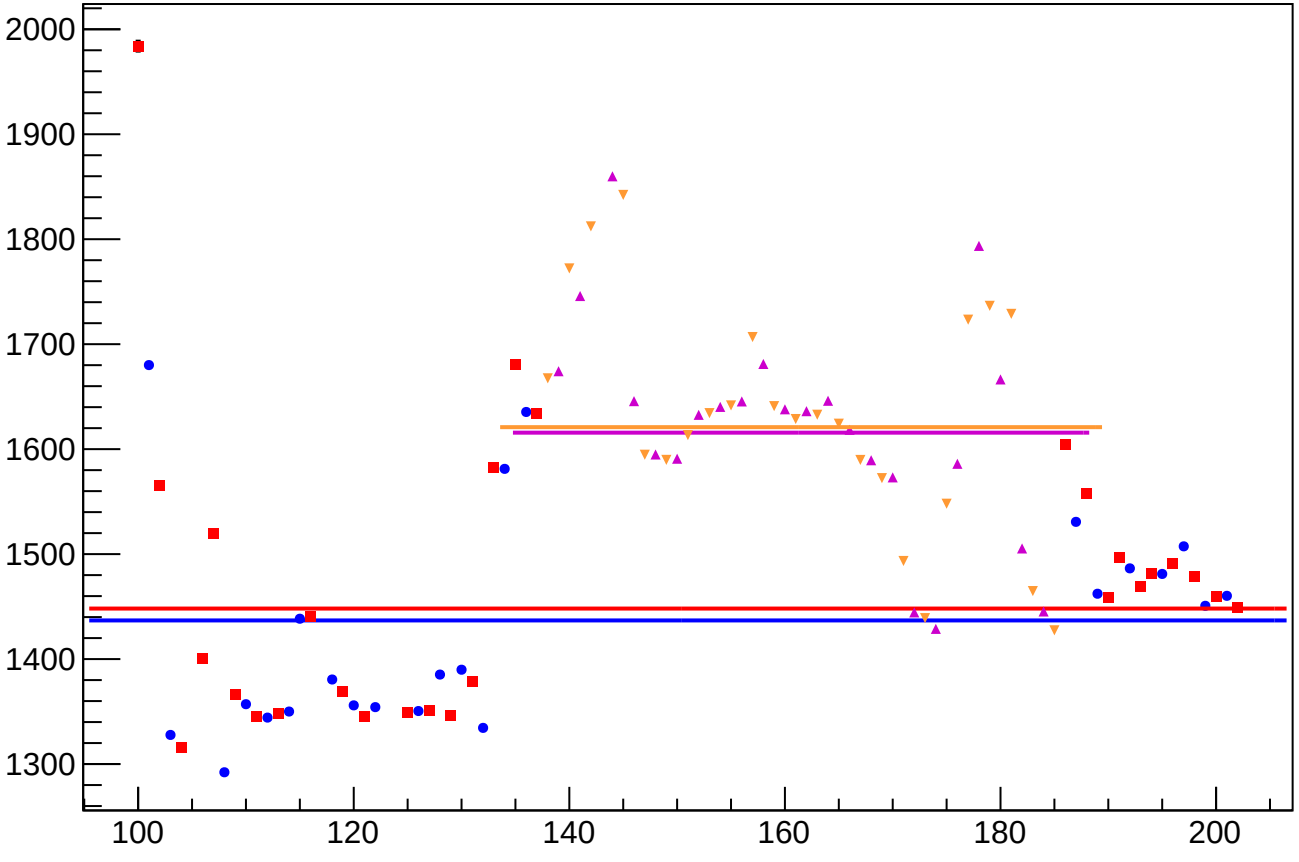
Right: 2163.648+/-280.441 χ^2/NDF: 26.0/50

In: 2169.178+/-278.041 χ^2/NDF:26.2/45

Out: 1589.404+/-269.160 χ^2/NDF:65.0/51

All: 1869.884+/-193.388 χ^2/NDF: 93.5/97

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1436.821+/-0.290 χ^2/NDF: 113853.7/22

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1448.133+/-0.271 χ^2/NDF: 120406.9/27

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

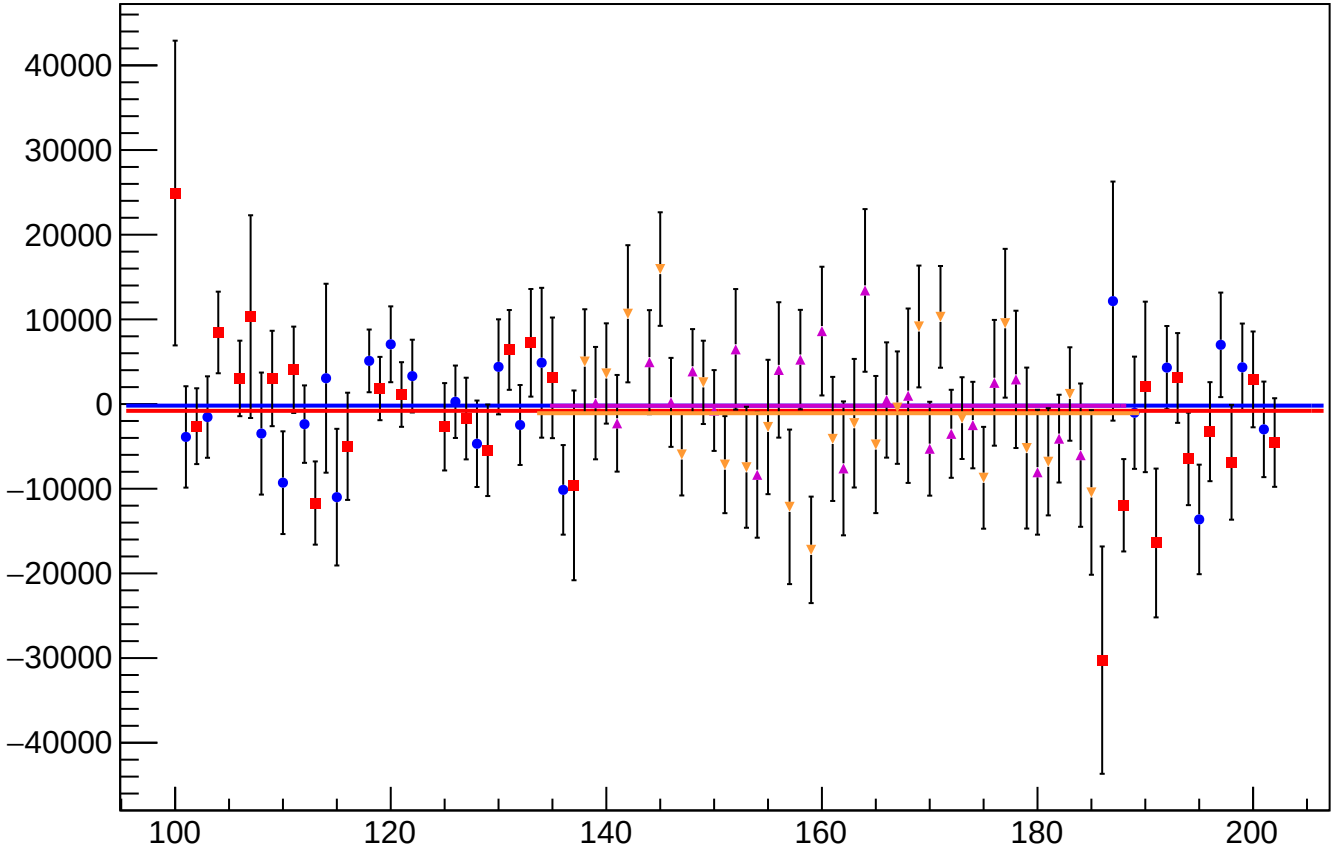
Right: 1442.855+/-0.198 χ^2/NDF: 235071.5/50

In: 1533.548+/-0.197 χ^2/NDF:456590.4/45

Out: 1536.015+/-0.190 χ^2/NDF:468736.0/51

All: 1534.822+/-0.137 χ^2/NDF: 925407.7/97

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -185.239+/-1138.010 χ^2/NDF: 24.2/22

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -800.640+/-1058.830 χ^2/NDF: 36.5/27

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

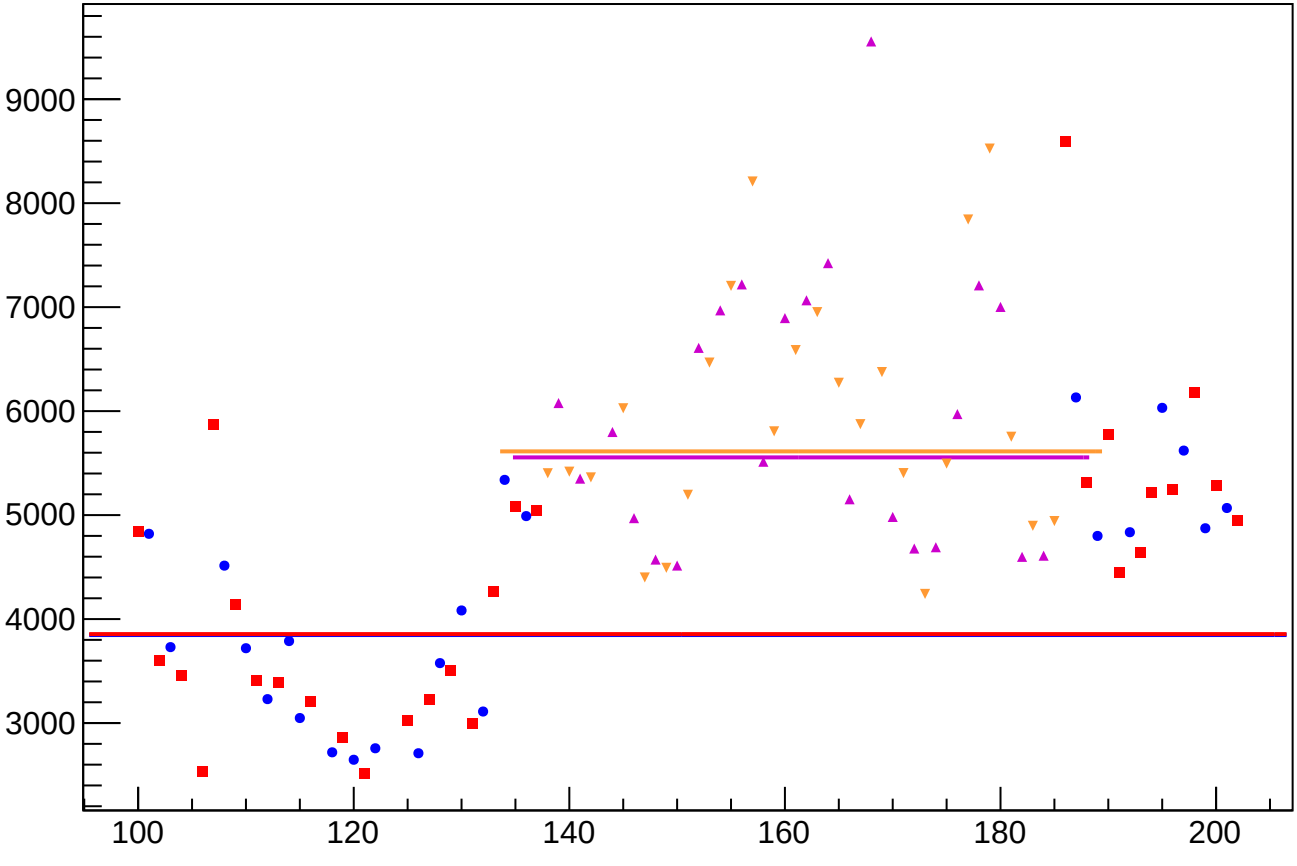
Right: -515.091+/-775.188 χ^2/NDF: 60.8/50

In: -192.204+/-863.627 χ^2/NDF:37.1/45

Out: -909.638+/-828.956 χ^2/NDF:69.5/51

All: -565.611+/-598.042 χ^2/NDF: 106.9/97

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3846.527+/-0.805 χ^2/NDF: 1676041.0/22

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3855.636+/-0.749 χ^2/NDF: 2158740.1/27

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

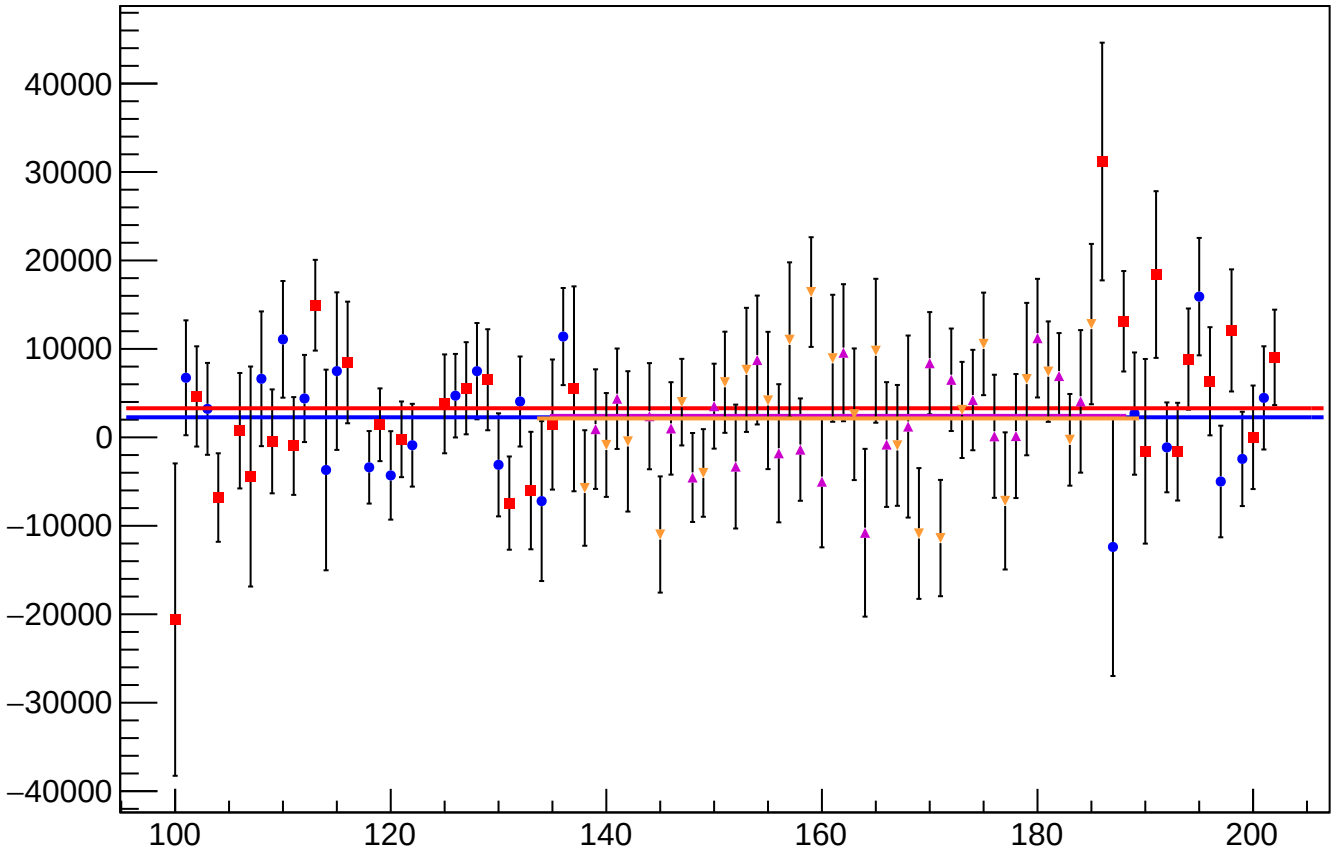
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 3851.409+/-0.548 χ^2/NDF: 3834849.8/50

In: 4571.033+/-0.611 χ^2/NDF:4920500.8/45

Out: 4535.759+/-0.586 χ^2/NDF:5478738.0/51

All: 4552.674+/-0.423 χ^2/NDF: 10400975.3/9



Right In: 2268.179+/-1215.767 χ^2/NDF: 21.5/22

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 3290.319+/-1151.193 χ^2/NDF: 36.0/27

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

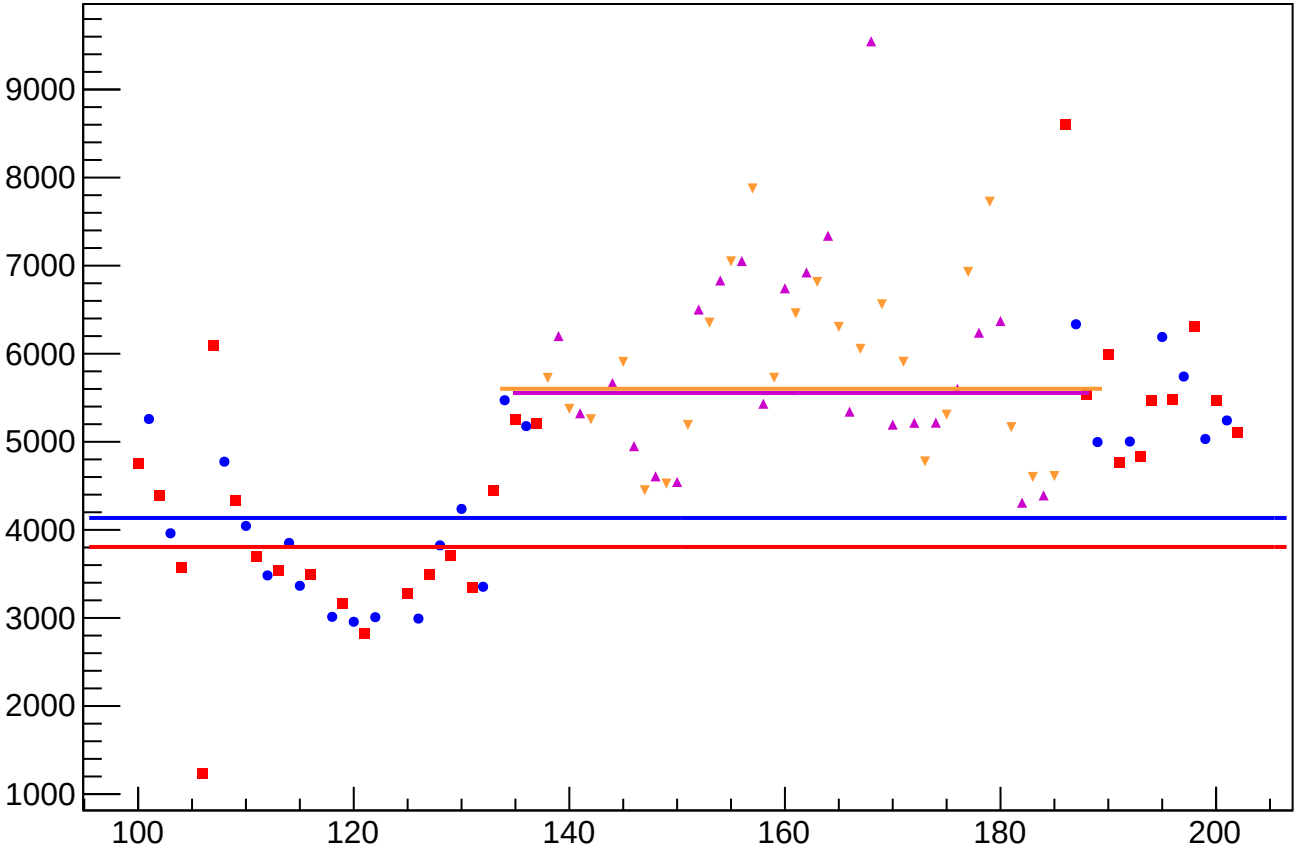
Right: 2807.113+/-835.913 χ^2/NDF: 57.8/50

In: 2341.493+/-894.595 χ^2/NDF:34.3/45

Out: 2794.444+/-868.842 χ^2/NDF:67.1/51

All: 2574.582+/-623.270 χ^2/NDF: 101.5/97

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4135.350+/-0.860 χ^2/NDF: 1376766.8/22

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3806.105+/-0.765 χ^2/NDF: 3563871.6/27

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

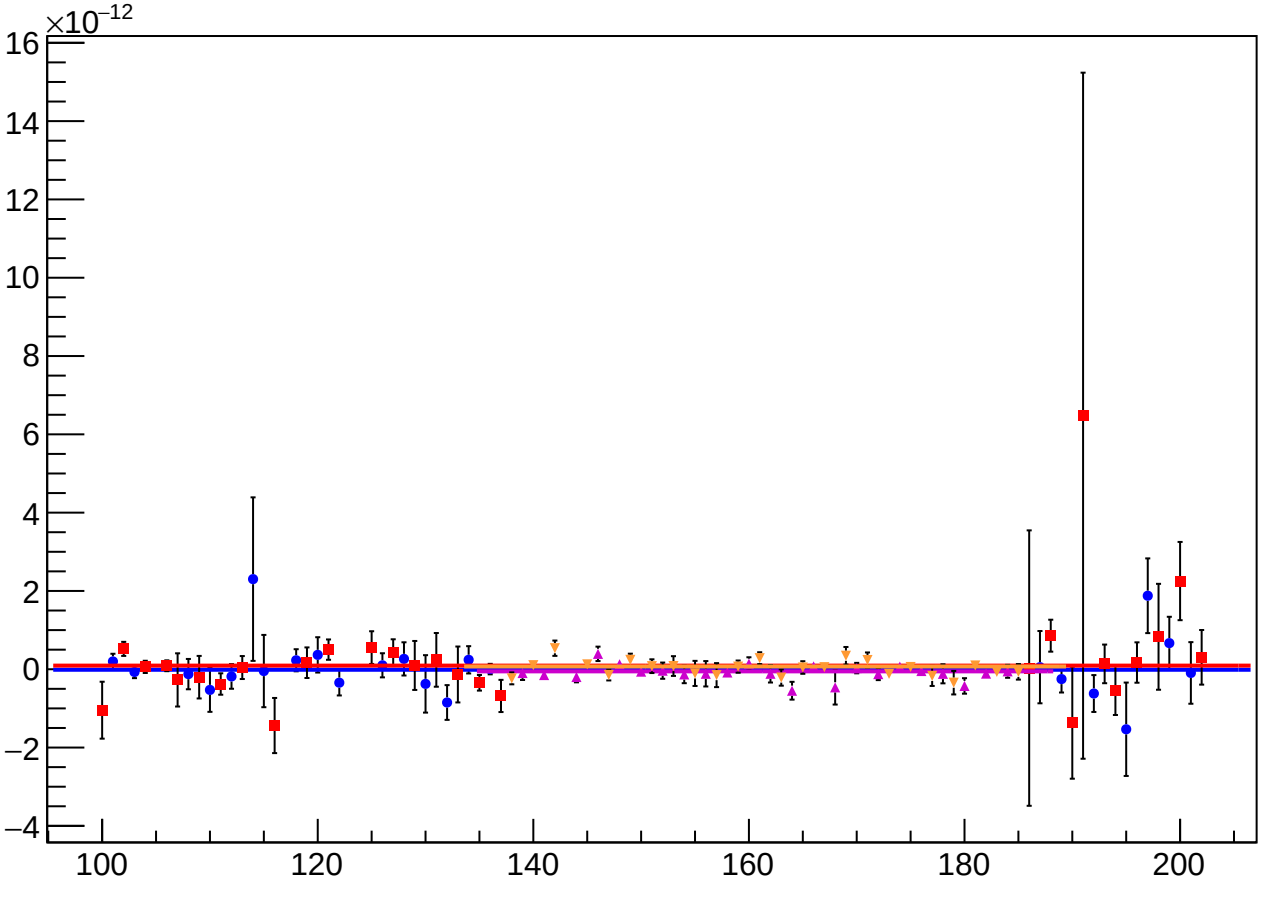
Right: 3951.544+/-0.571 χ^2/NDF: 5022524.5/50

In: 4785.907+/-0.633 χ^2/NDF:3737787.9/45

Out: 4524.651+/-0.592 χ^2/NDF:6711356.5/51

All: 4646.702+/-0.432 χ^2/NDF: 10540031.2/9

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 40.8/27

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

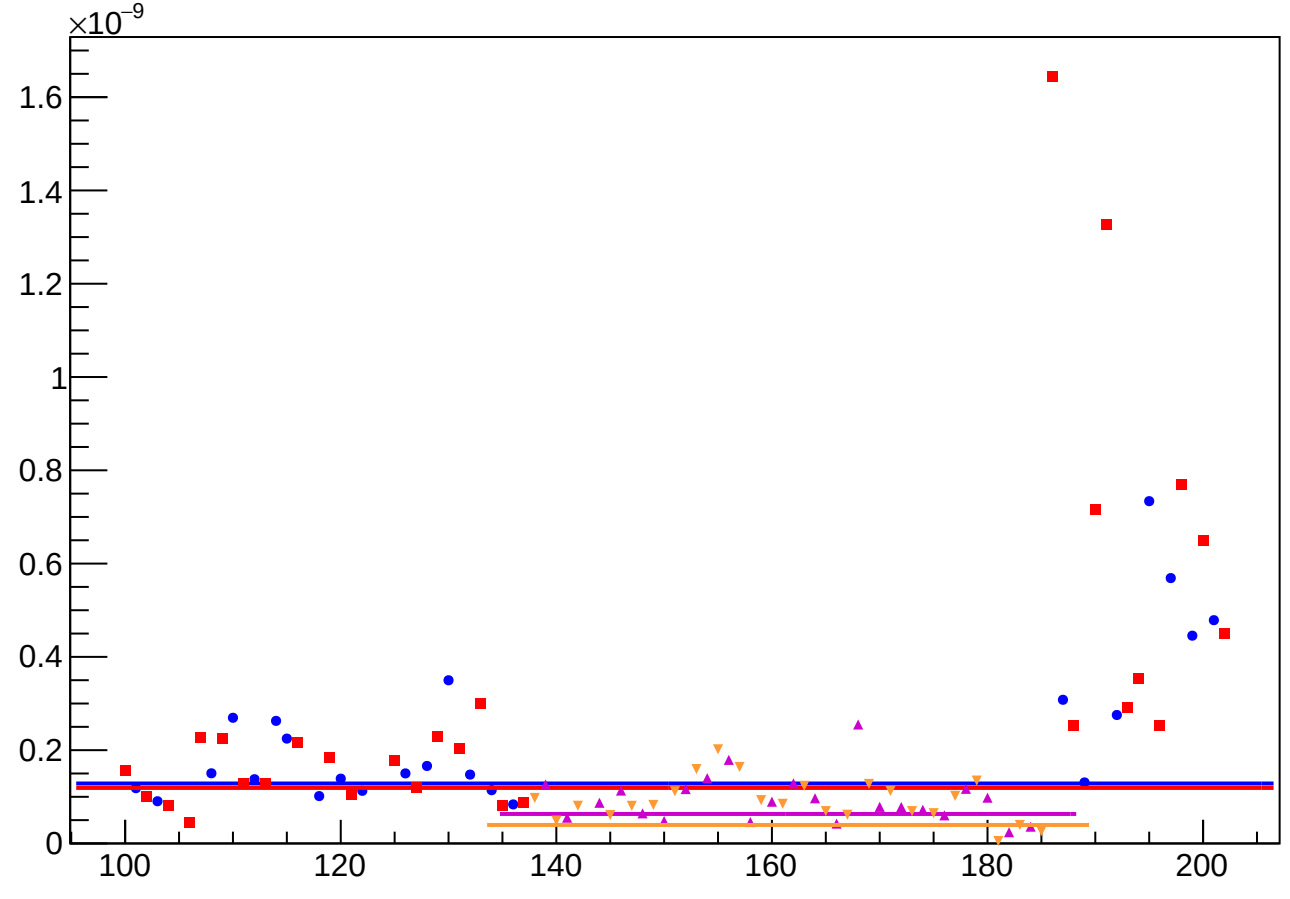
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 62.0/50

In: -0.000+/-0.000 χ^2/NDF:45.5/45

Out: 0.000+/-0.000 χ^2/NDF:69.2/51

All: 0.000+/-0.000 χ^2/NDF: 128.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 2801223.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4391993.6/27

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

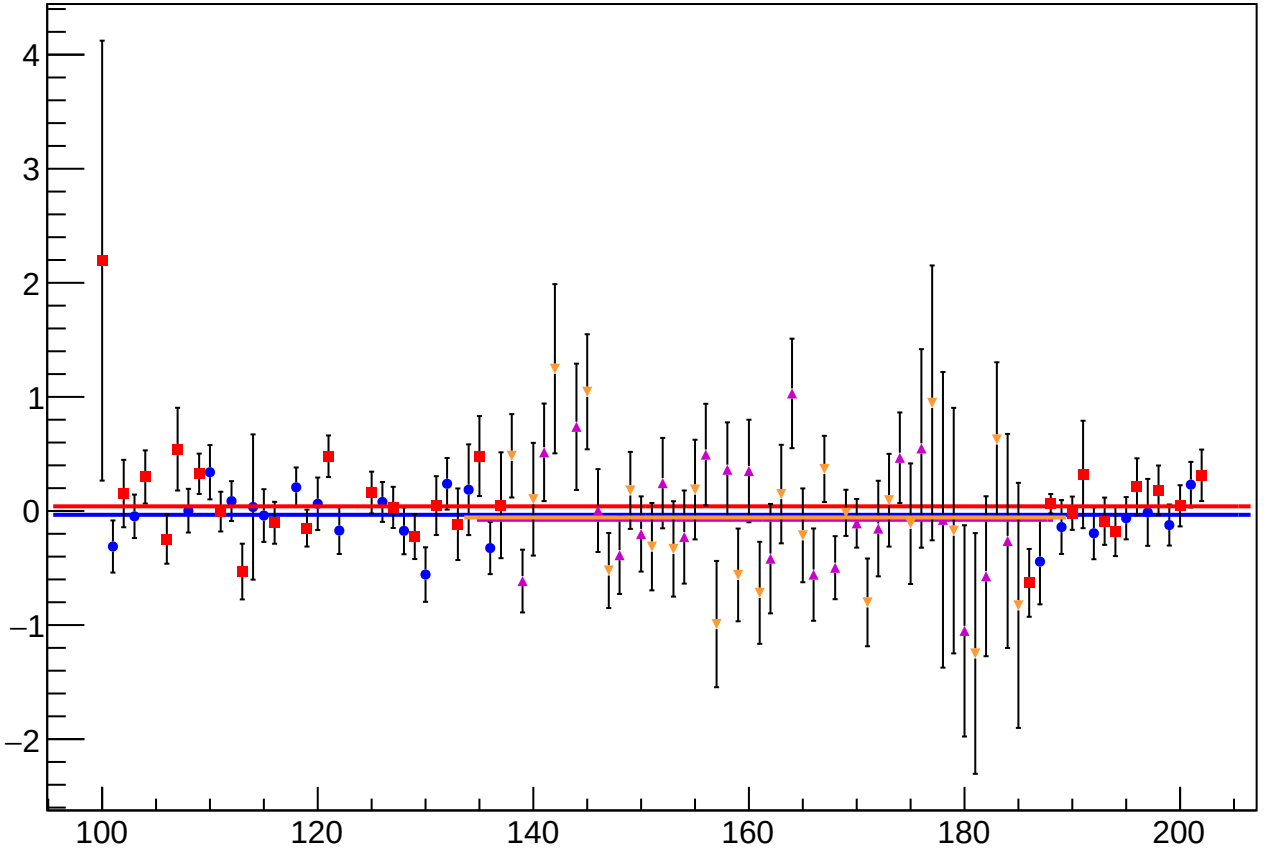
Right: 0.000+/-0.000 χ^2/NDF: 7214402.5/50

In: 0.000+/-0.000 χ^2/NDF:7332198.9/45

Out: 0.000+/-0.000 χ^2/NDF:14181122.6/51

All: 0.000+/-0.000 χ^2/NDF: 22608360.1/97

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

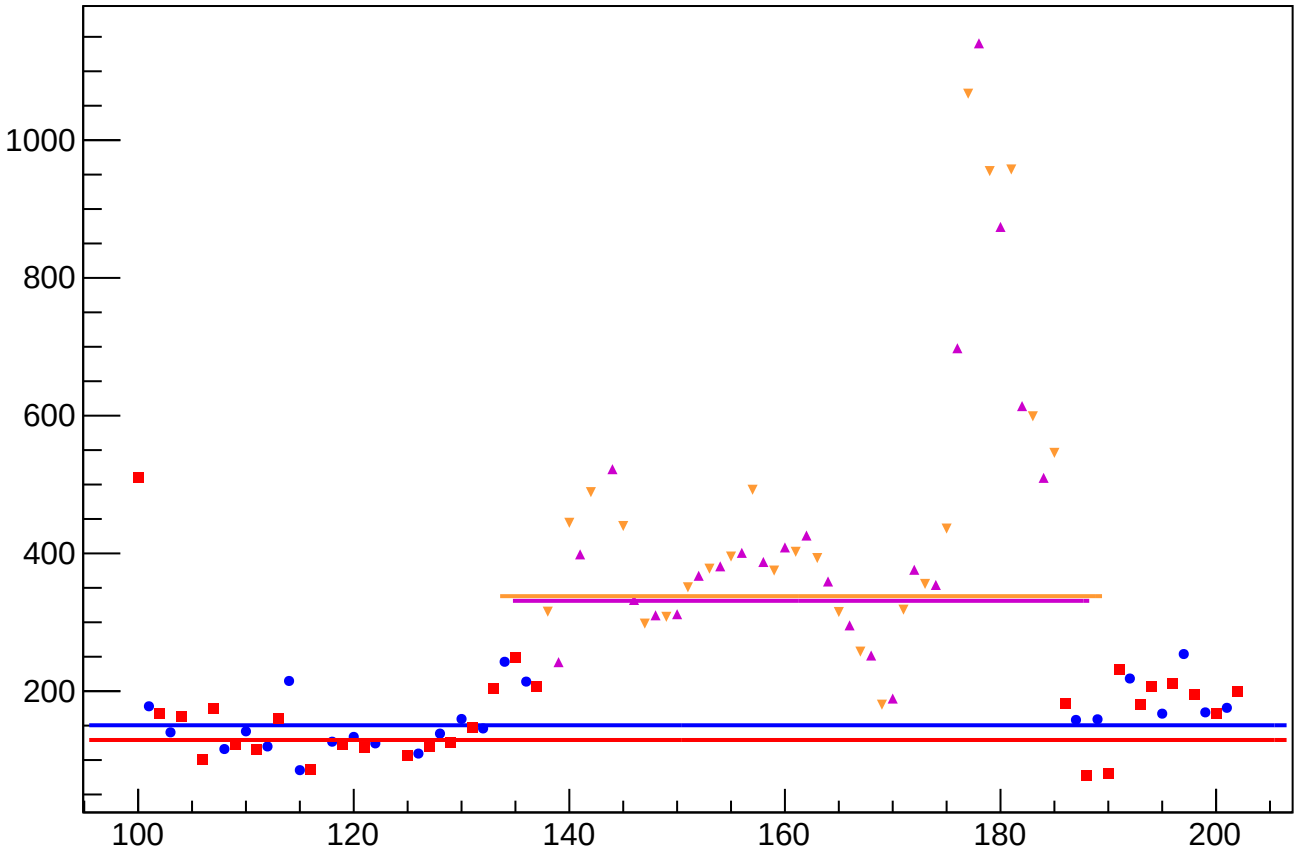
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.010+/-0.029 χ^2/NDF: 57.3/50

In: -0.044+/-0.040 χ^2/NDF:47.3/45

Out: 0.025+/-0.035 χ^2/NDF:67.2/51

All: -0.005+/-0.026 χ^2/NDF: 116.1/97



Right In: 150.494+/-0.032 χ^2/NDF: 1307992.6/22

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 129.111+/-0.027 χ^2/NDF: 3021413.1/27

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

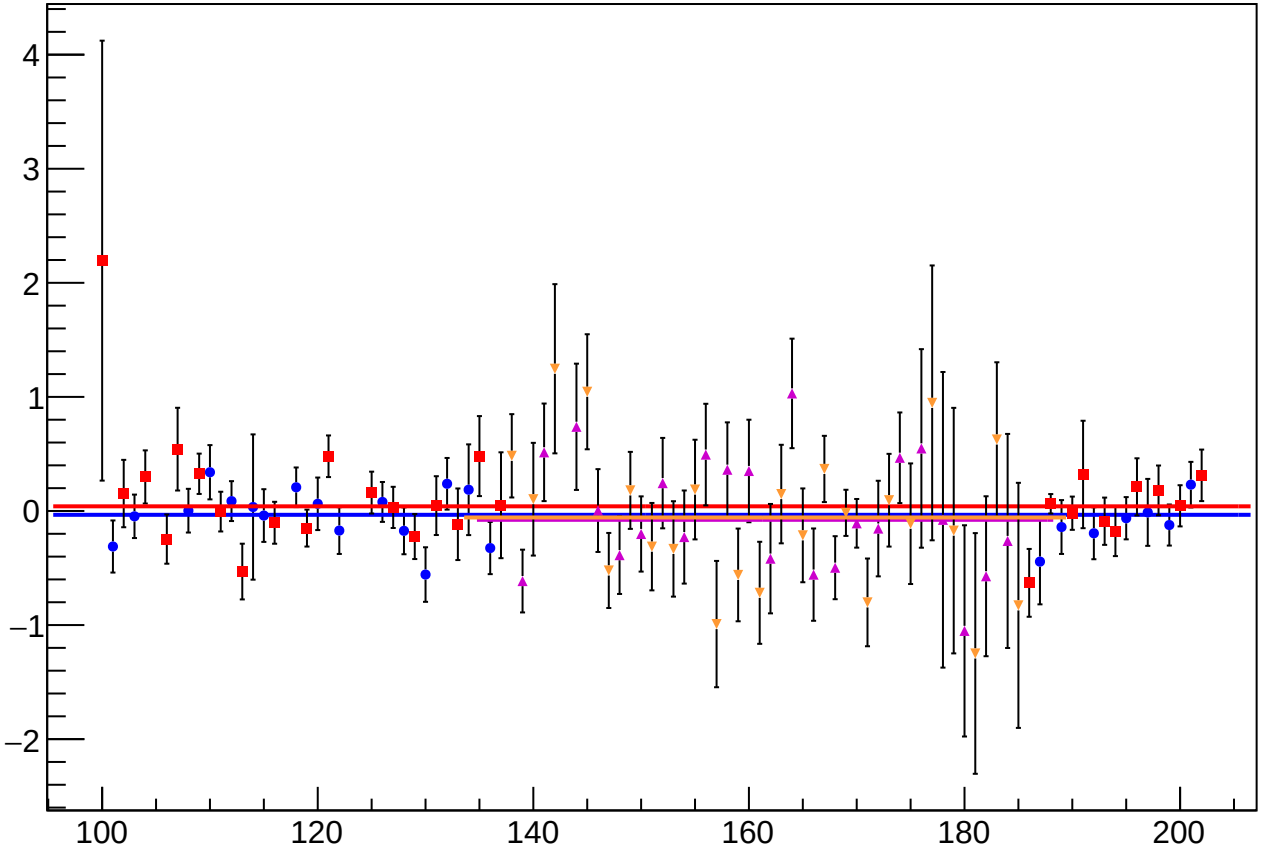
Right: 137.862+/-0.021 χ^2/NDF: 4589459.8/50

In: 192.030+/-0.028 χ^2/NDF:12640029.4/45

Out: 163.484+/-0.025 χ^2/NDF:17514765.2/51

All: 175.732+/-0.019 χ^2/NDF: 30736460.2/97

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

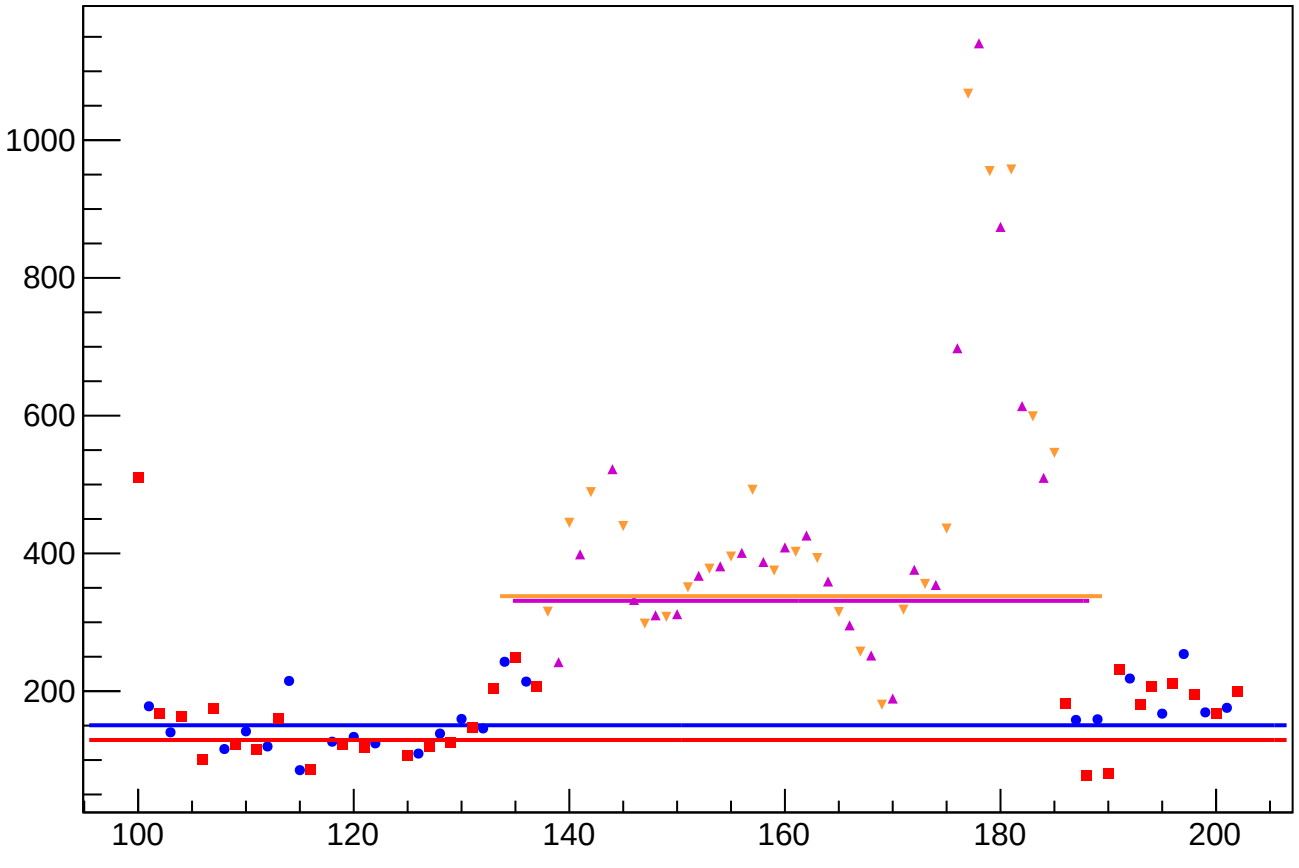
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.010+/-0.029 χ^2/NDF: 57.3/50

In: -0.044+/-0.040 χ^2/NDF:47.3/45

Out: 0.025+/-0.035 χ^2/NDF:67.2/51

All: -0.005+/-0.026 χ^2/NDF: 116.1/97



Right In: 150.494+/-0.032 χ^2/NDF: 1307992.6/22

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 129.111+/-0.027 χ^2/NDF: 3021413.1/27

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

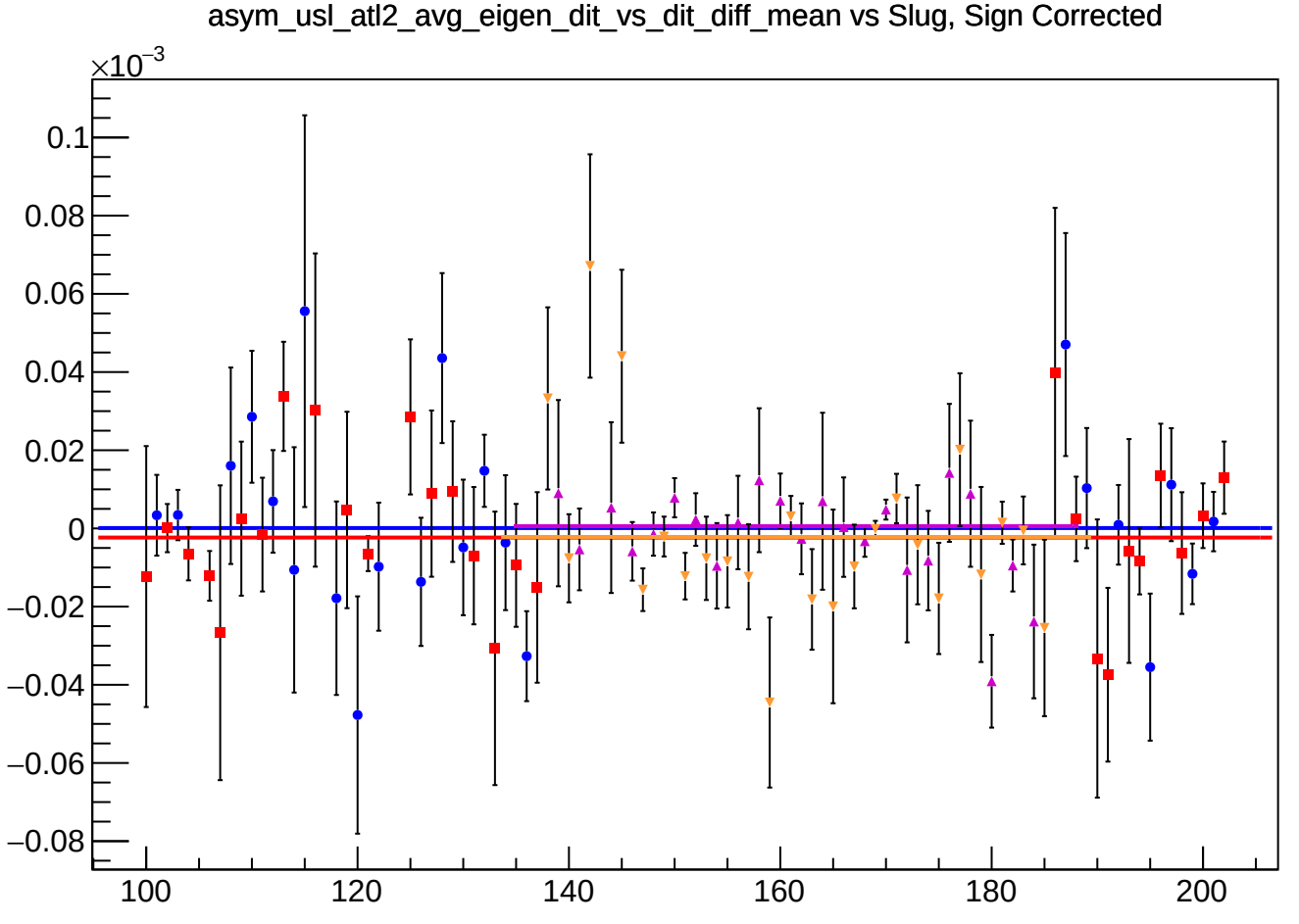
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 137.862+/-0.021 χ^2/NDF: 4589459.8/50

In: 192.030+/-0.028 χ^2/NDF:12640029.4/45

Out: 163.484+/-0.025 χ^2/NDF:17514765.2/51

All: 175.732+/-0.019 χ^2/NDF: 30736460.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/27

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

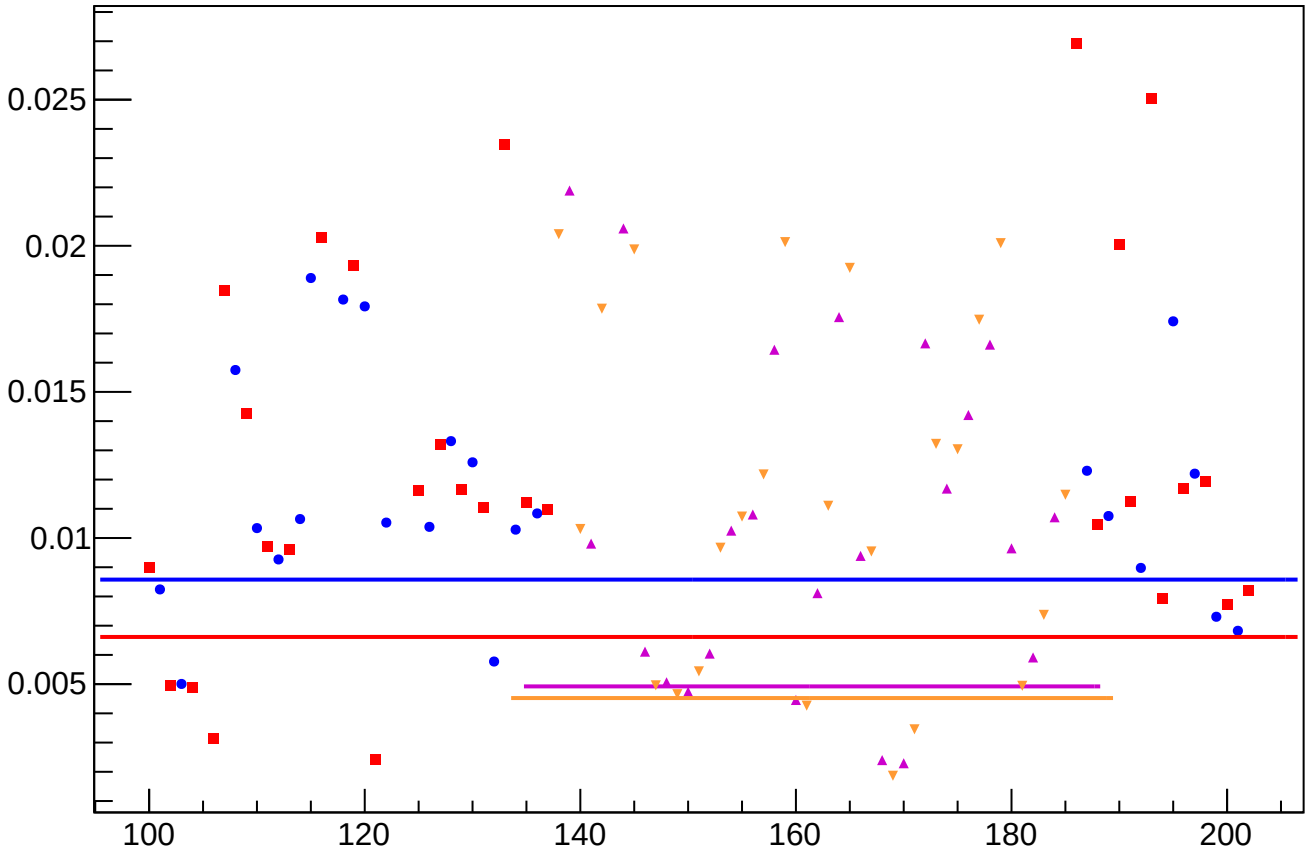
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 60.0/50

In: 0.000+/-0.000 χ^2/NDF:60.0/45

Out: -0.000+/-0.000 χ^2/NDF:63.6/51

All: -0.000+/-0.000 χ^2/NDF: 126.0/97



Right In: 0.009+/-0.000 χ^2/NDF: 2732724.8/22

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.007+/-0.000 χ^2/NDF: 7962780.0/27

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

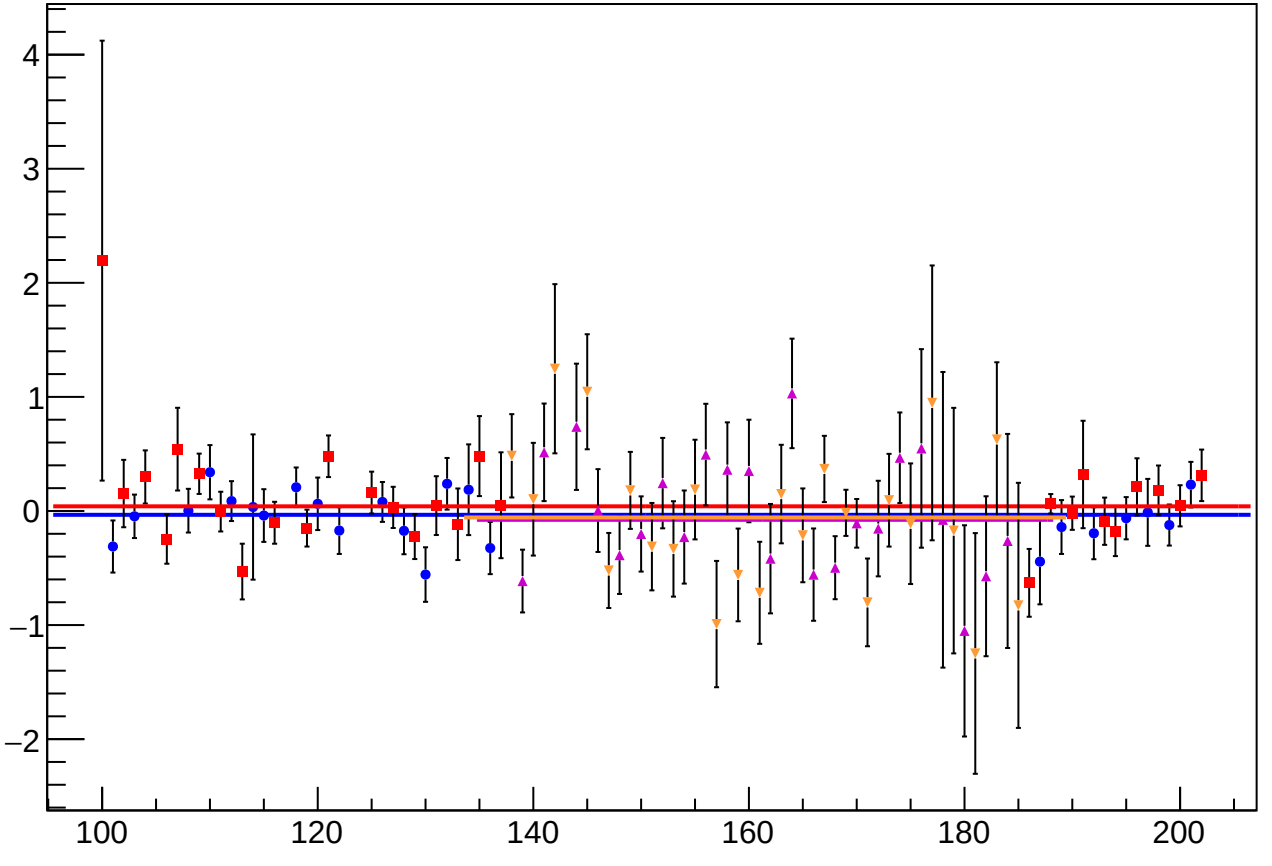
Right: 0.007+/-0.000 χ^2/NDF: 11356608.7/50

In: 0.006+/-0.000 χ^2/NDF:17221705.7/45

Out: 0.005+/-0.000 χ^2/NDF:23544365.2/51

All: 0.005+/-0.000 χ^2/NDF: 41034888.6/97

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

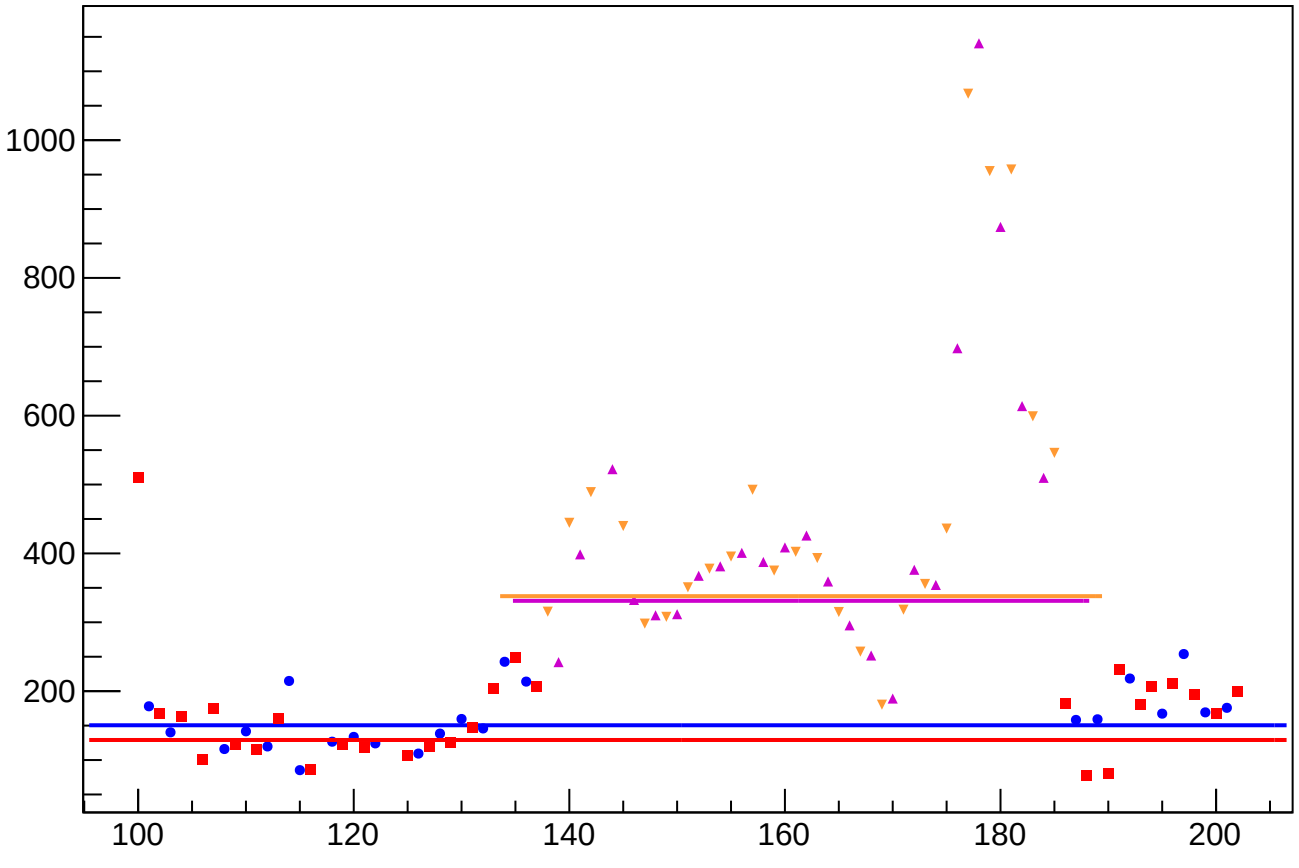
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.010+/-0.029 χ^2/NDF: 57.3/50

In: -0.044+/-0.040 χ^2/NDF:47.3/45

Out: 0.025+/-0.035 χ^2/NDF:67.2/51

All: -0.005+/-0.026 χ^2/NDF: 116.1/97



Right In: 150.494+/-0.032 χ^2/NDF: 1307961.0/22

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 129.109+/-0.027 χ^2/NDF: 3021554.8/27

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

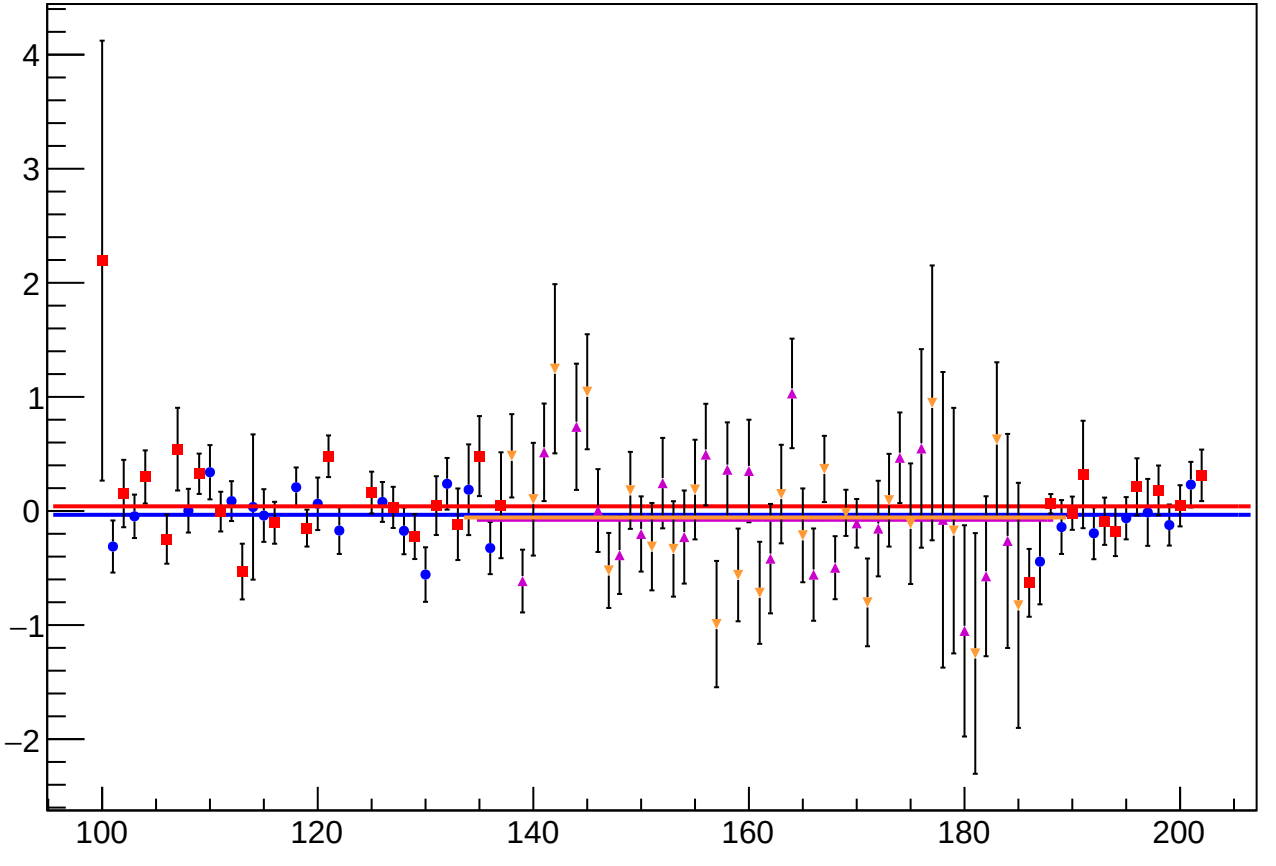
Right: 137.861+/-0.021 χ^2/NDF: 4589616.2/50

In: 192.030+/-0.028 χ^2/NDF:12640124.2/45

Out: 163.482+/-0.025 χ^2/NDF:17515246.3/51

All: 175.731+/-0.019 χ^2/NDF: 30737126.9/97

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

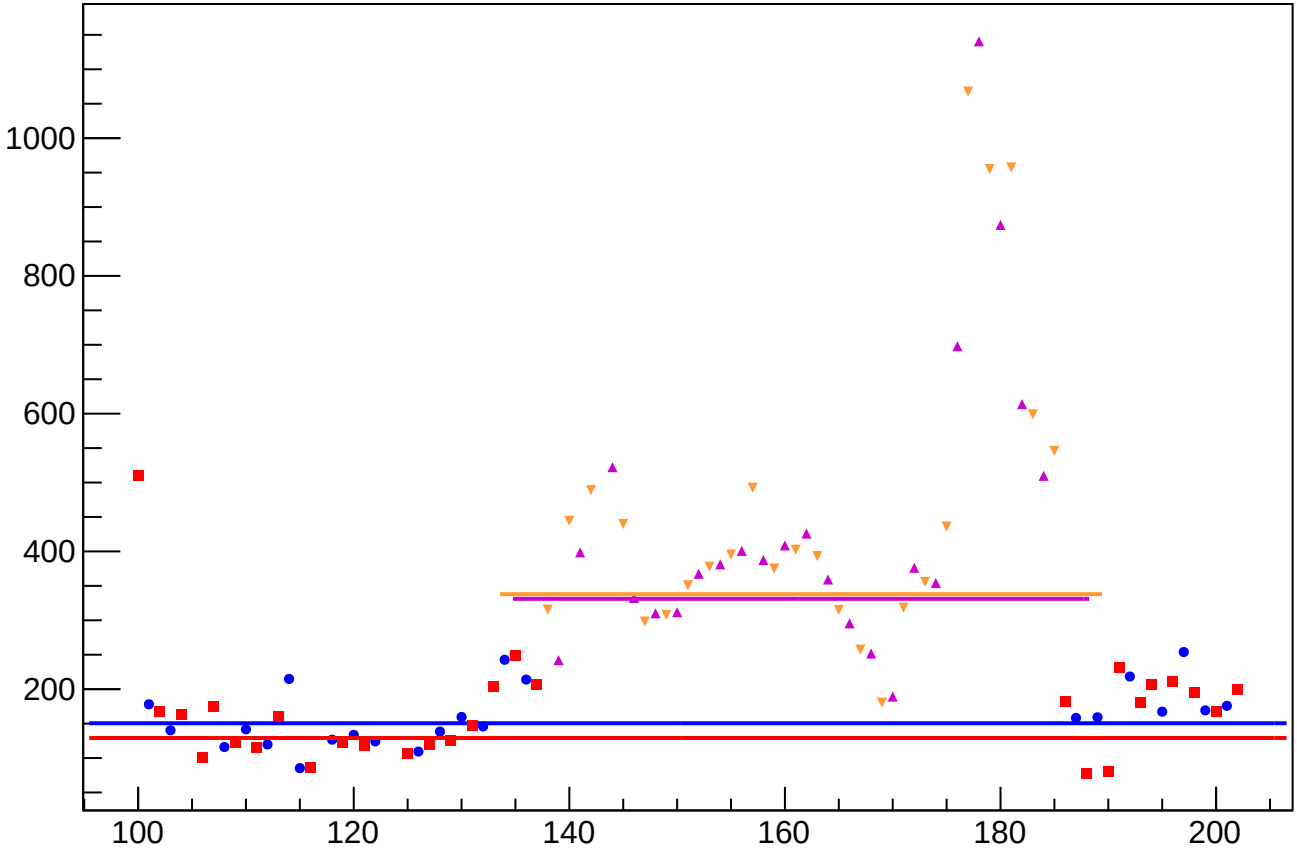
Right: 0.010+/-0.029 χ^2/NDF: 57.3/50

In: -0.044+/-0.040 χ^2/NDF:47.3/45

Out: 0.025+/-0.035 χ^2/NDF:67.2/51

All: -0.005+/-0.026 χ^2/NDF: 116.1/97

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 150.494+/-0.032 χ^2/NDF: 1307961.0/22

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 129.109+/-0.027 χ^2/NDF: 3021554.8/27

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

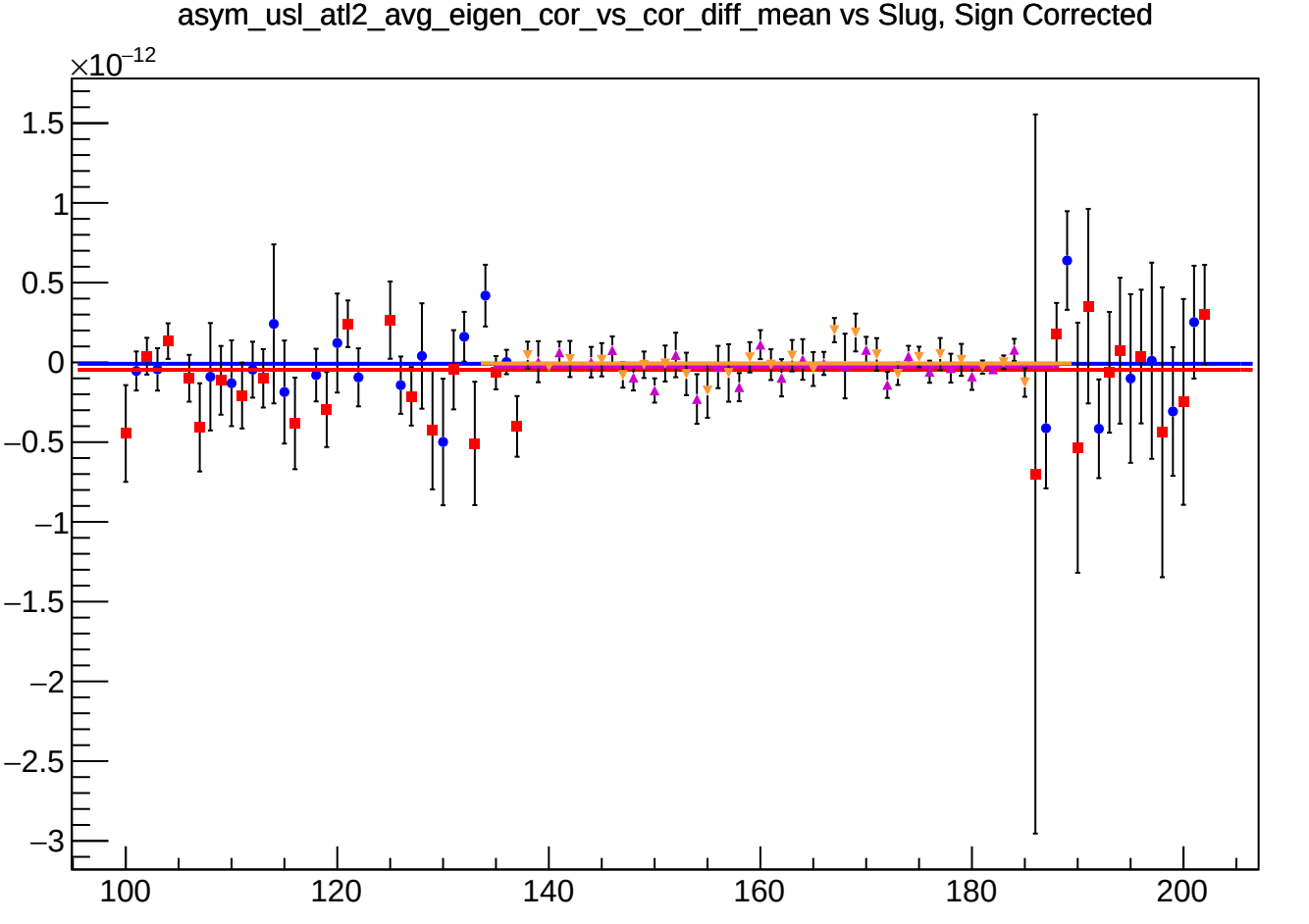
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

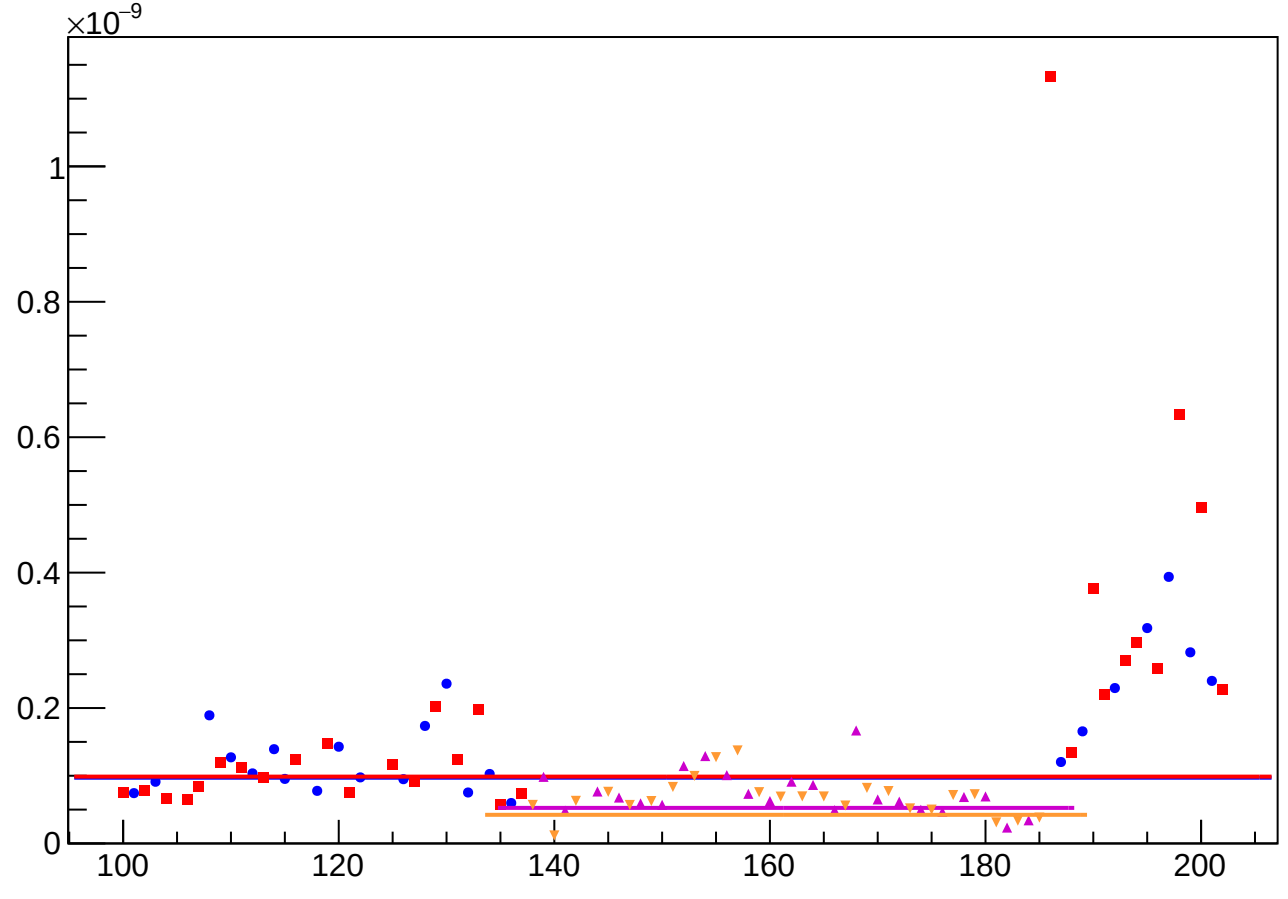
Right: 137.861+/-0.021 χ^2/NDF: 4589616.2/50

In: 192.030+/-0.028 χ^2/NDF:12640124.2/45

Out: 163.482+/-0.025 χ^2/NDF:17515246.3/51

All: 175.731+/-0.019 χ^2/NDF: 30737126.9/97


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
Right In: -0.000+/-0.000 χ²/NDF: 18.2/22
Left Out: -0.000+/-0.000 χ²/NDF:18.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.1/27
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: 44.8/50
In: -0.000+/-0.000 χ²/NDF:41.2/45
Out: -0.000+/-0.000 χ²/NDF:45.1/51
All: -0.000+/-0.000 χ²/NDF: 86.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 3241966.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4876643.4/27

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

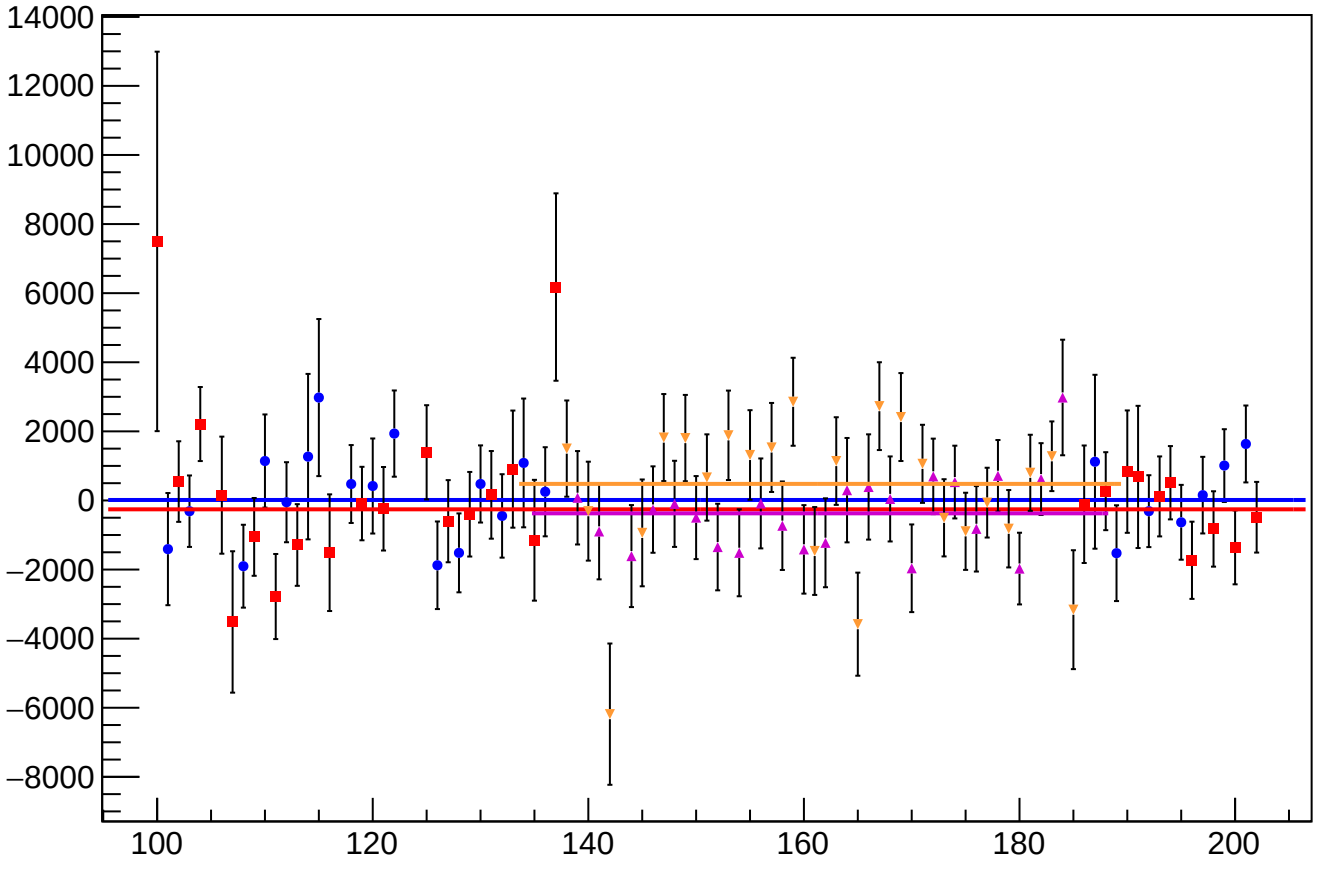
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 8120204.4/50

In: 0.000+/-0.000 χ^2/NDF:10210722.1/45

Out: 0.000+/-0.000 χ^2/NDF:15137985.3/51

All: 0.000+/-0.000 χ^2/NDF: 25817593.2/97



Right In: 13.922+/-263.765 χ^2/NDF: 18.3/22

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -256.852+/-246.577 χ^2/NDF: 29.0/27

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

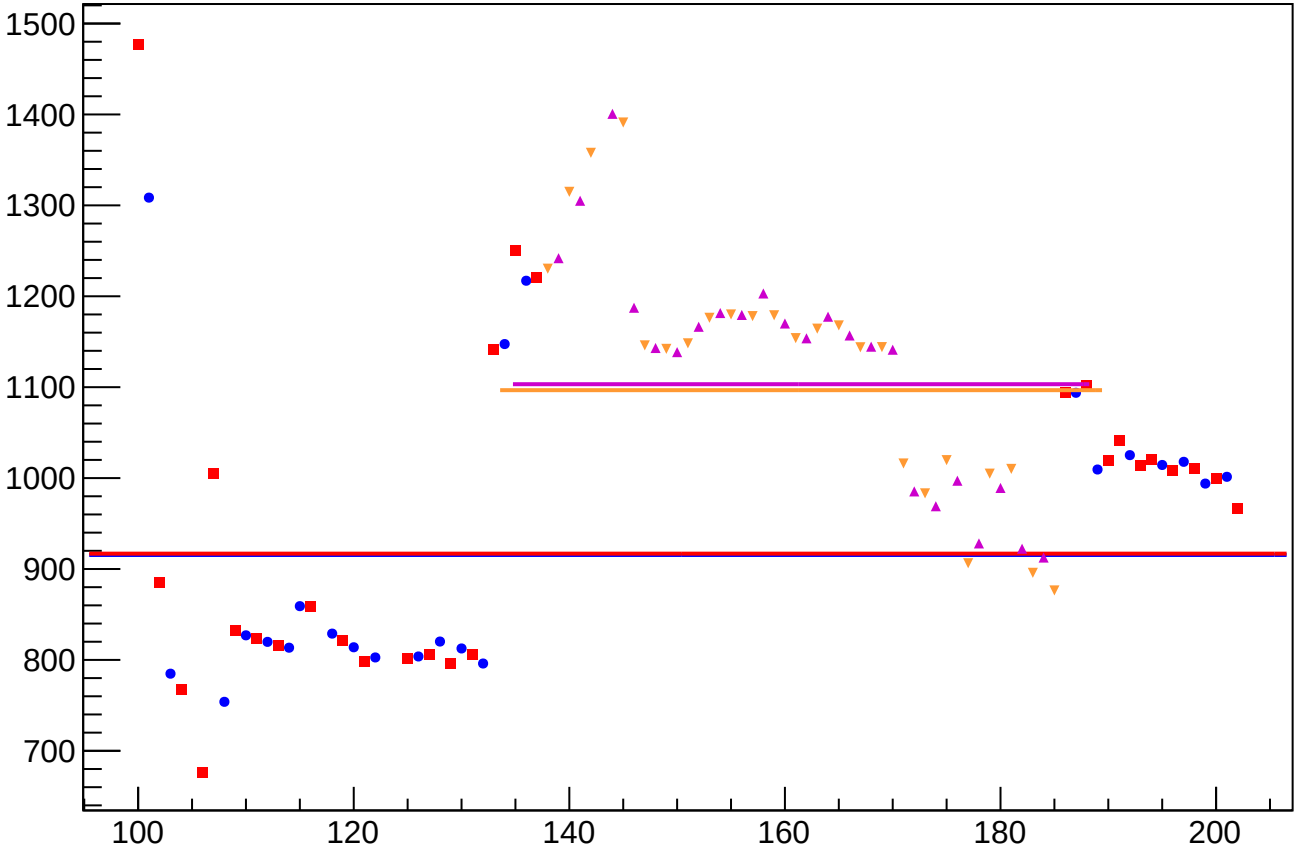
Right: -130.575+/-180.126 χ^2/NDF: 47.9/50

In: -182.794+/-184.916 χ^2/NDF:35.5/45

Out: 97.076+/-177.704 χ^2/NDF:78.5/51

All: -37.295+/-128.130 χ^2/NDF: 115.1/97

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 915.437+/-0.187 χ^2/NDF: 556255.6/22

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 916.880+/-0.173 χ^2/NDF: 576048.7/27

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

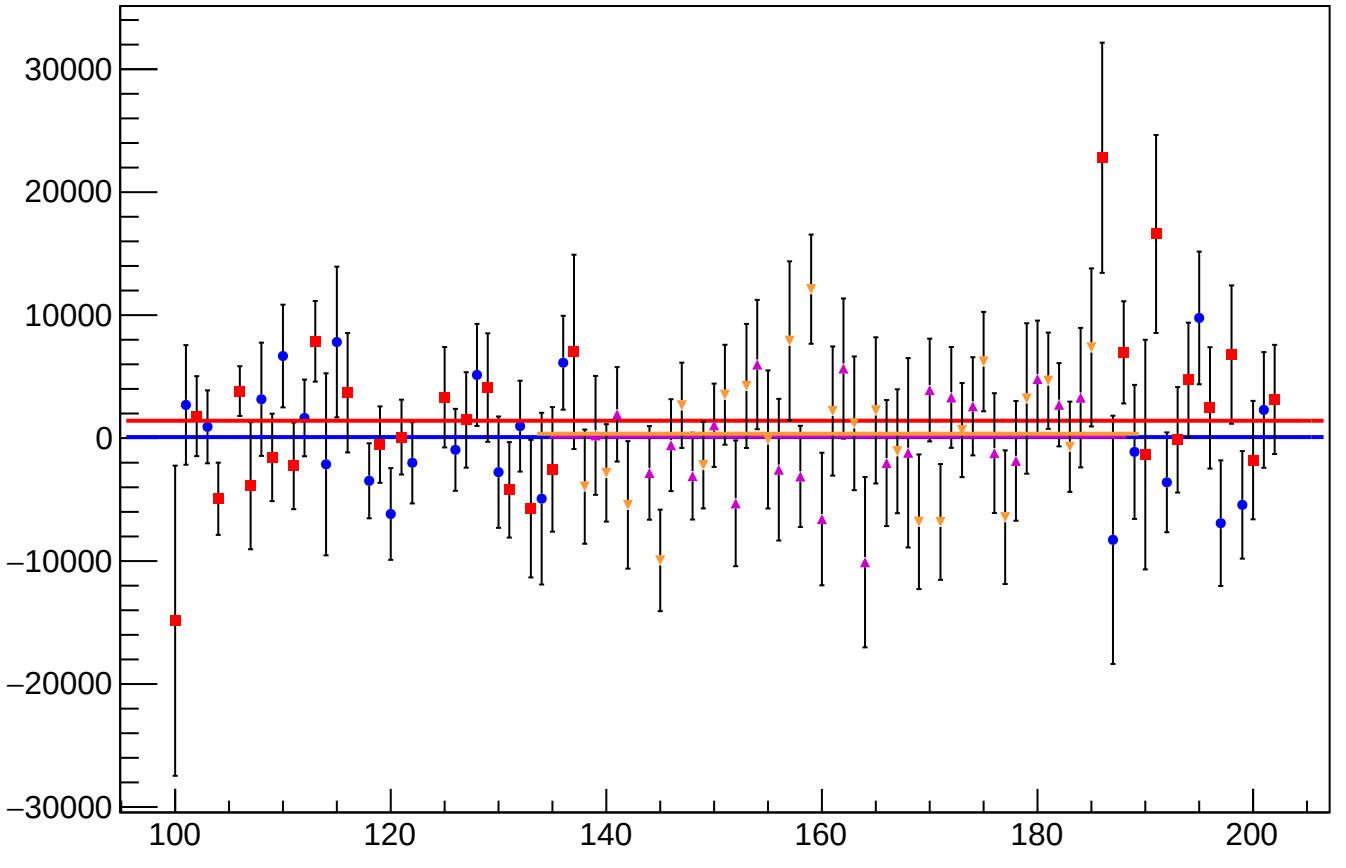
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 916.213+/-0.127 χ^2/NDF: 1132336.5/50

In: 1010.957+/-0.131 χ^2/NDF:1519599.1/45

Out: 1002.651+/-0.125 χ^2/NDF:1571423.7/51

All: 1006.623+/-0.090 χ^2/NDF: 3093128.6/97



Right In: 82.624+/-872.789 χ^2/NDF: 23.3/22

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1413.769+/-767.017 χ^2/NDF: 33.6/27

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

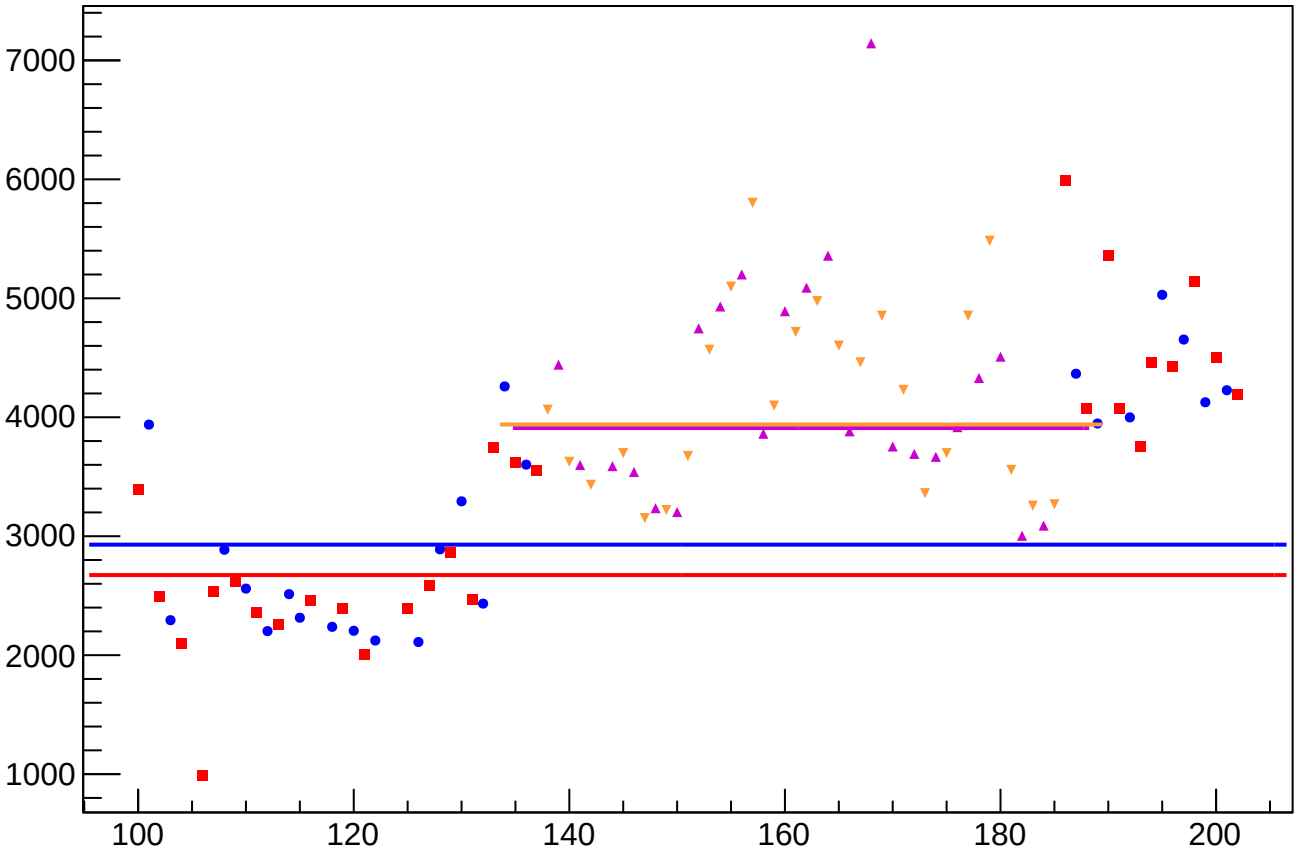
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 833.703+/-576.150 χ^2/NDF: 58.2/50

In: 103.201+/-637.266 χ^2/NDF:37.1/45

Out: 988.547+/-592.812 χ^2/NDF:64.6/51

All: 577.827+/-434.047 χ^2/NDF: 102.7/97



Right In: 2929.024+/-0.617 χ^2/NDF: 2012123.6/22

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2673.484+/-0.542 χ^2/NDF: 4116794.7/27

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

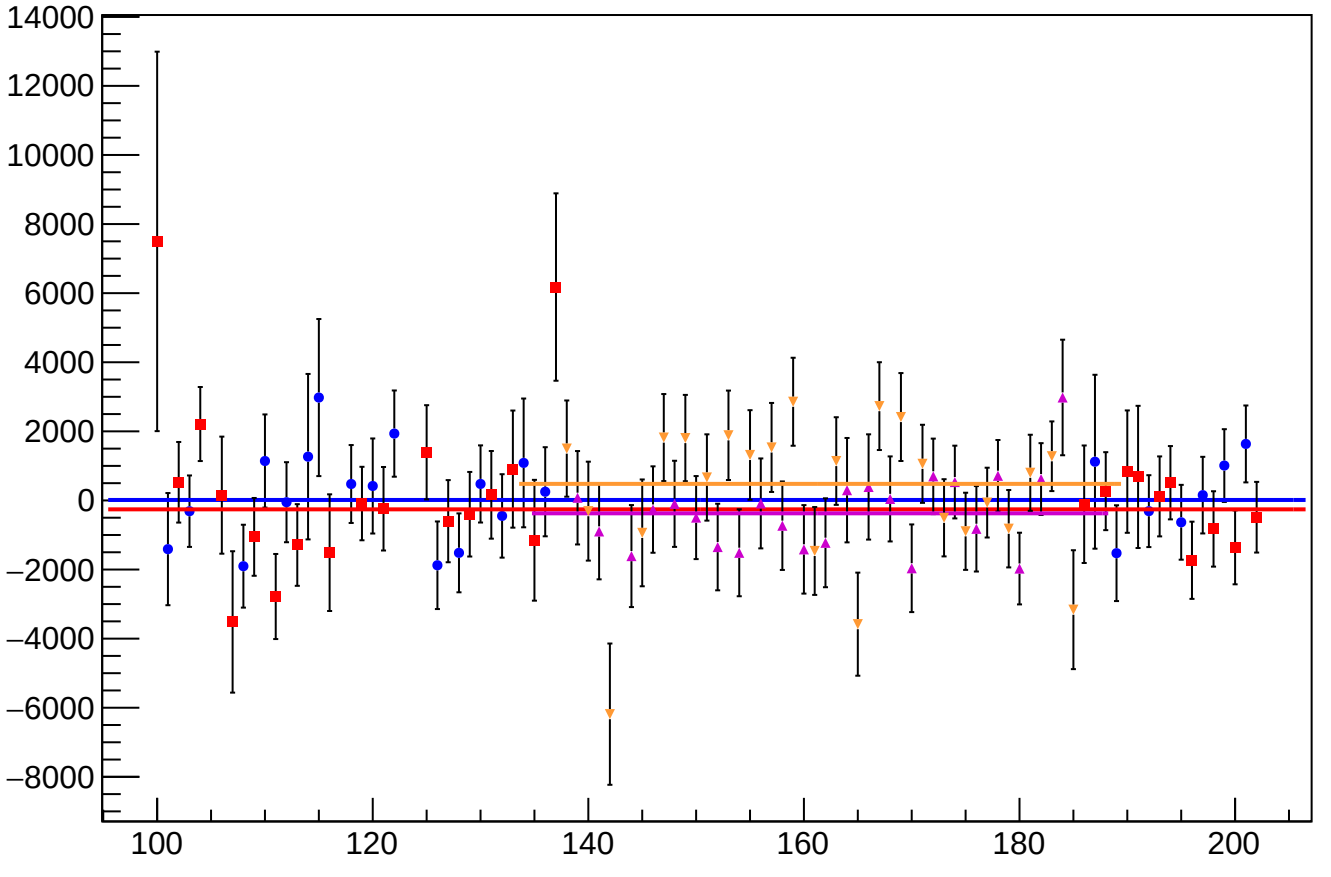
Right: 2784.840+/-0.407 χ^2/NDF: 6225654.7/50

In: 3386.621+/-0.451 χ^2/NDF:4490417.0/45

Out: 3183.159+/-0.419 χ^2/NDF:7402617.2/51

All: 3277.546+/-0.307 χ^2/NDF: 12002327.9/9

cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: 13.911+/-263.765 χ^2/NDF: 18.3/22

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -257.817+/-246.579 χ^2/NDF: 29.0/27

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

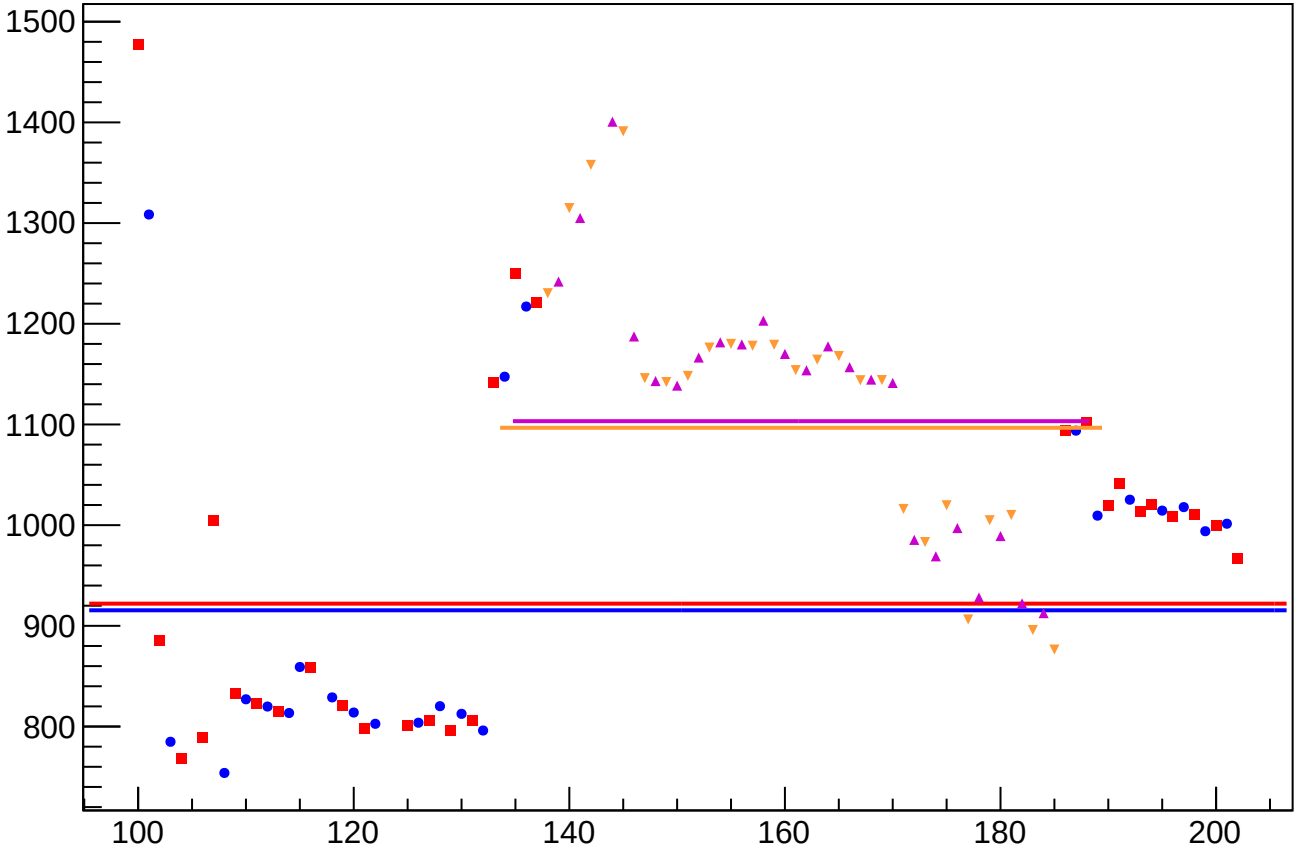
Right: -131.093+/-180.127 χ^2/NDF: 47.9/50

In: -182.786+/-184.916 χ^2/NDF:35.5/45

Out: 96.591+/-177.705 χ^2/NDF:78.5/51

All: -37.544+/-128.130 χ^2/NDF: 115.1/97

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 915.437+/-0.187 χ^2/NDF: 556255.5/22

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 922.042+/-0.174 χ^2/NDF: 521003.3/27

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

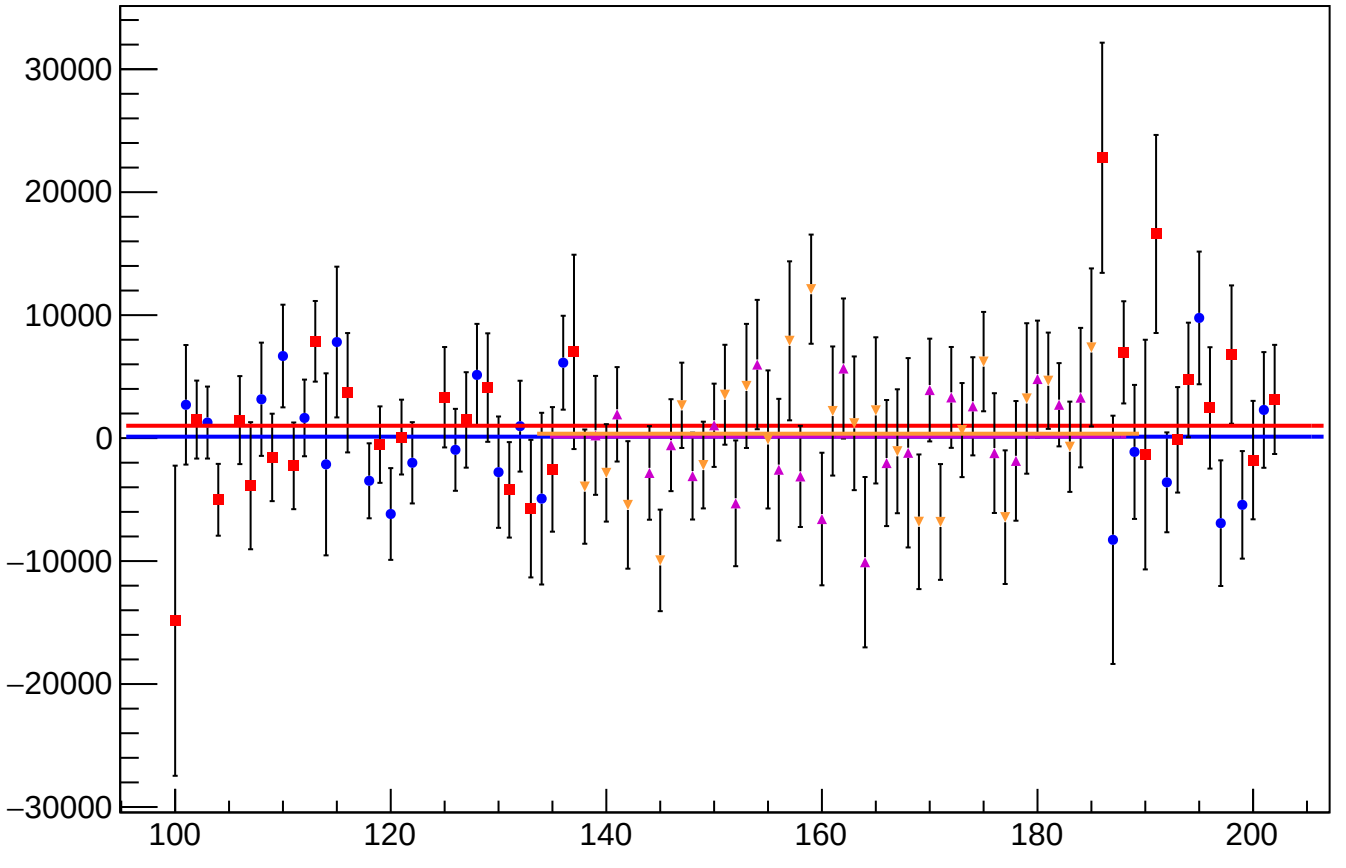
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 918.972+/-0.127 χ^2/NDF: 1077929.8/50

In: 1010.957+/-0.131 χ^2/NDF:1519599.2/45

Out: 1005.726+/-0.125 χ^2/NDF:1485252.8/51

All: 1008.233+/-0.091 χ^2/NDF: 3005685.6/97



Right In: 115.730+/-871.780 χ^2/NDF: 23.4/22

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1004.856+/-806.022 χ^2/NDF: 32.0/27

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

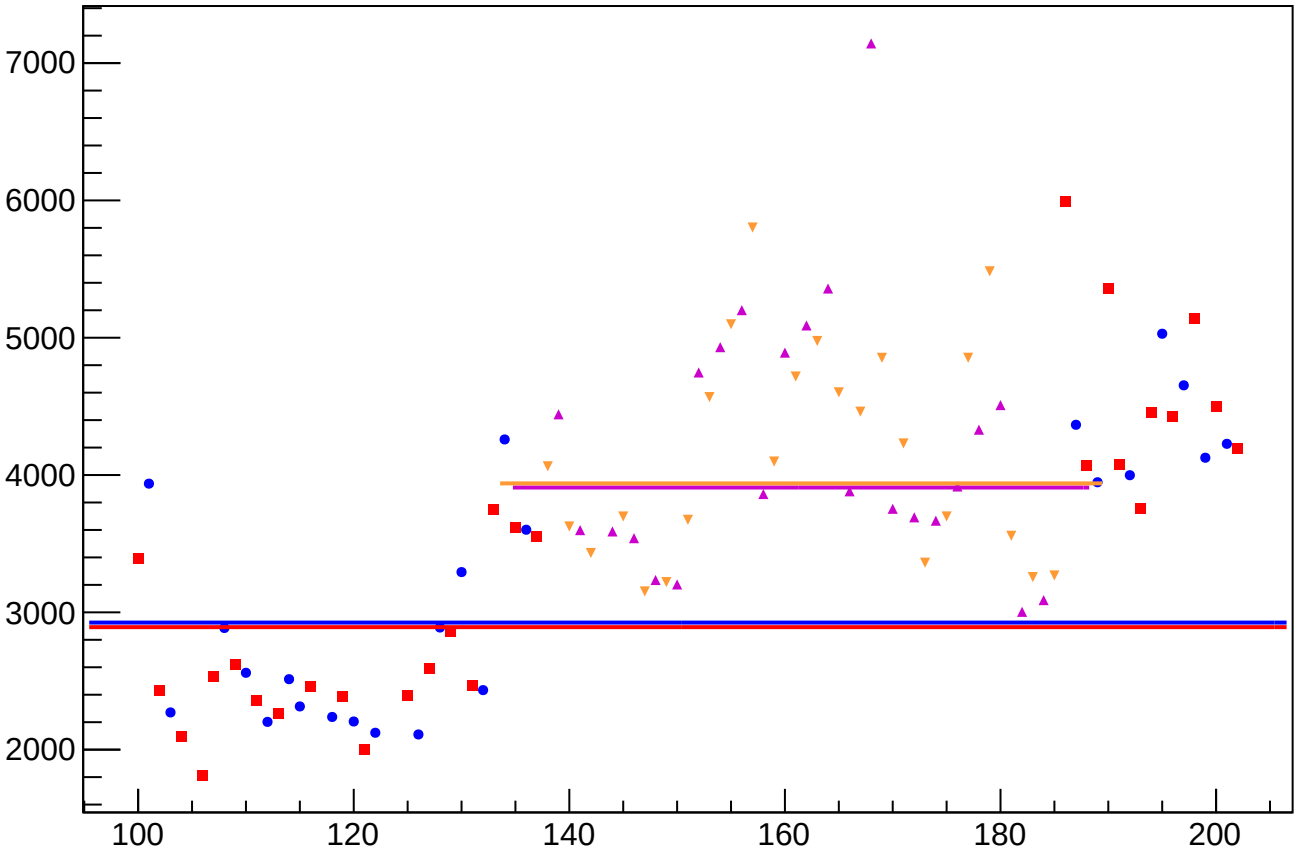
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 595.087+/-591.827 χ^2/NDF: 56.0/50

In: 120.815+/-636.872 χ^2/NDF:37.2/45

Out: 728.707+/-610.276 χ^2/NDF:62.6/51

All: 437.719+/-440.633 χ^2/NDF: 100.2/97



Right In: 2925.501+/-0.616 χ^2/NDF: 2021379.7/22

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2892.195+/-0.570 χ^2/NDF: 2702840.8/27

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

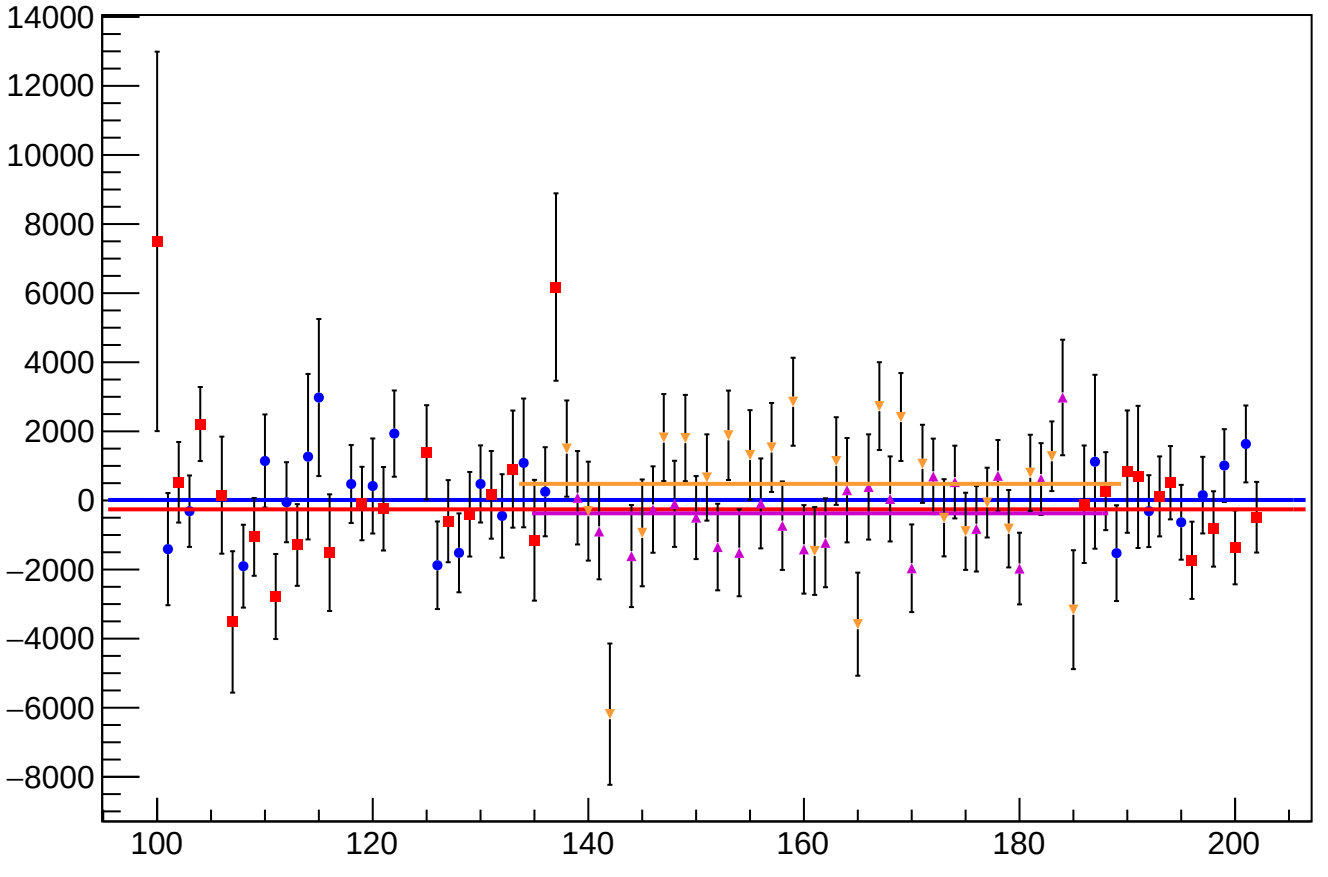
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2907.545+/-0.418 χ^2/NDF: 4725794.3/50

In: 3384.174+/-0.450 χ^2/NDF:4509432.4/45

Out: 3339.012+/-0.432 χ^2/NDF:5235759.9/51

All: 3360.630+/-0.312 χ^2/NDF: 9750435.2/97



Right In: 13.911+/-263.765 χ^2/NDF: 18.3/22

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -257.817+/-246.579 χ^2/NDF: 29.0/27

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

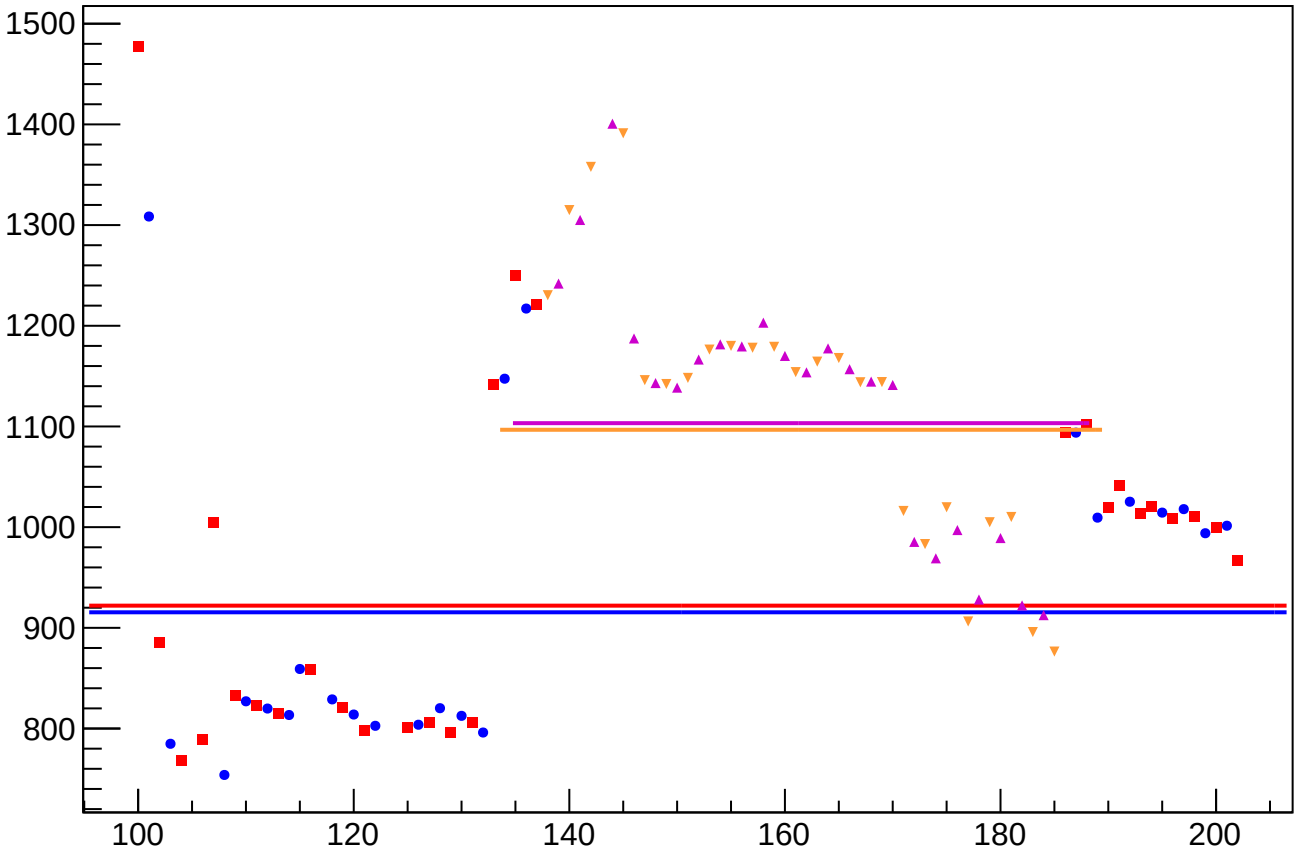
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -131.093+/-180.127 χ^2/NDF: 47.9/50

In: -182.786+/-184.916 χ^2/NDF:35.5/45

Out: 96.591+/-177.705 χ^2/NDF:78.5/51

All: -37.544+/-128.130 χ^2/NDF: 115.1/97



Right In: 915.437+/-0.187 χ^2/NDF: 556255.5/22

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 922.042+/-0.174 χ^2/NDF: 521003.3/27

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

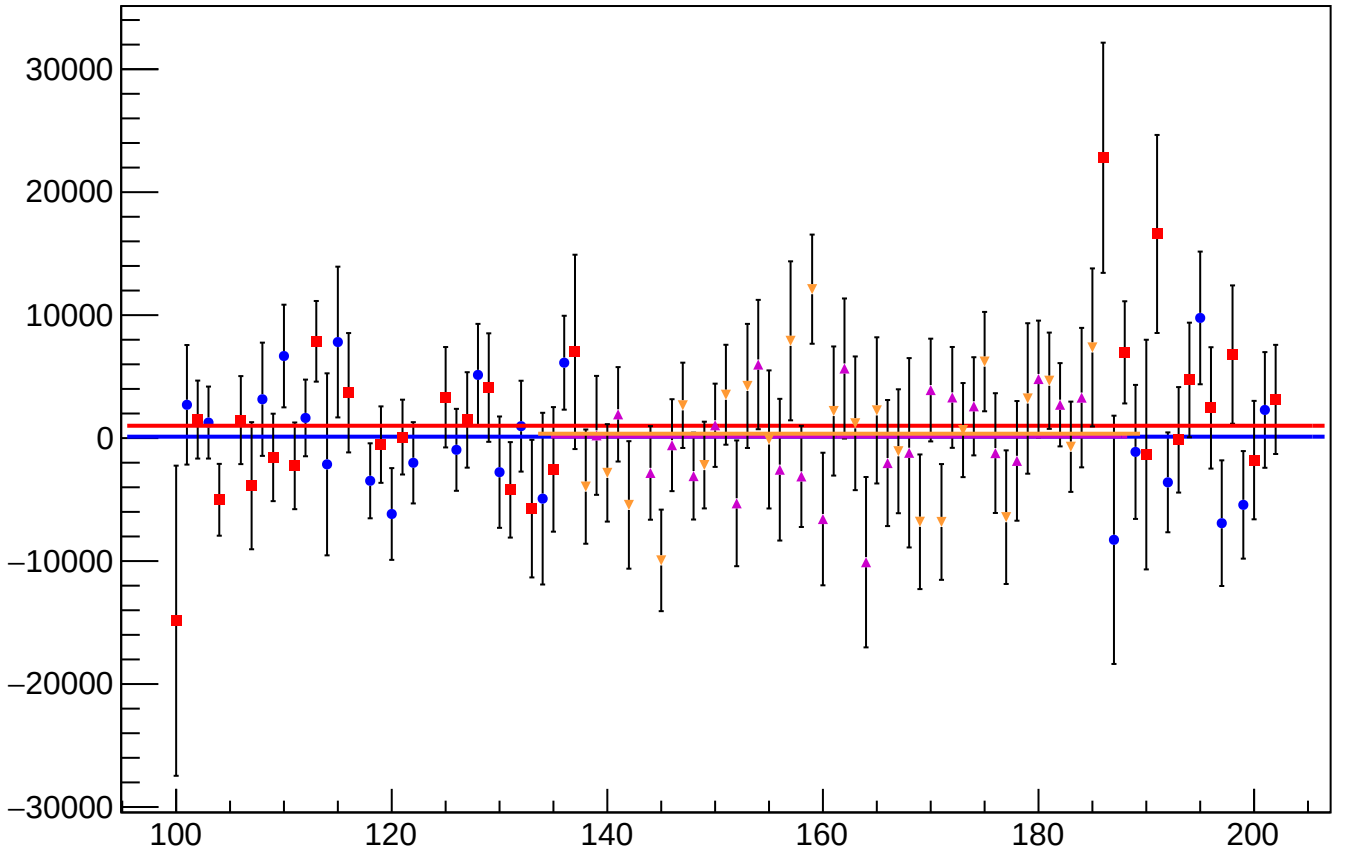
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 918.972+/-0.127 χ^2/NDF: 1077929.8/50

In: 1010.957+/-0.131 χ^2/NDF:1519599.2/45

Out: 1005.726+/-0.125 χ^2/NDF:1485252.8/51

All: 1008.233+/-0.091 χ^2/NDF: 3005685.6/97



Right In: 115.730+/-871.780 χ^2/NDF: 23.4/22

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1004.856+/-806.022 χ^2/NDF: 32.0/27

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

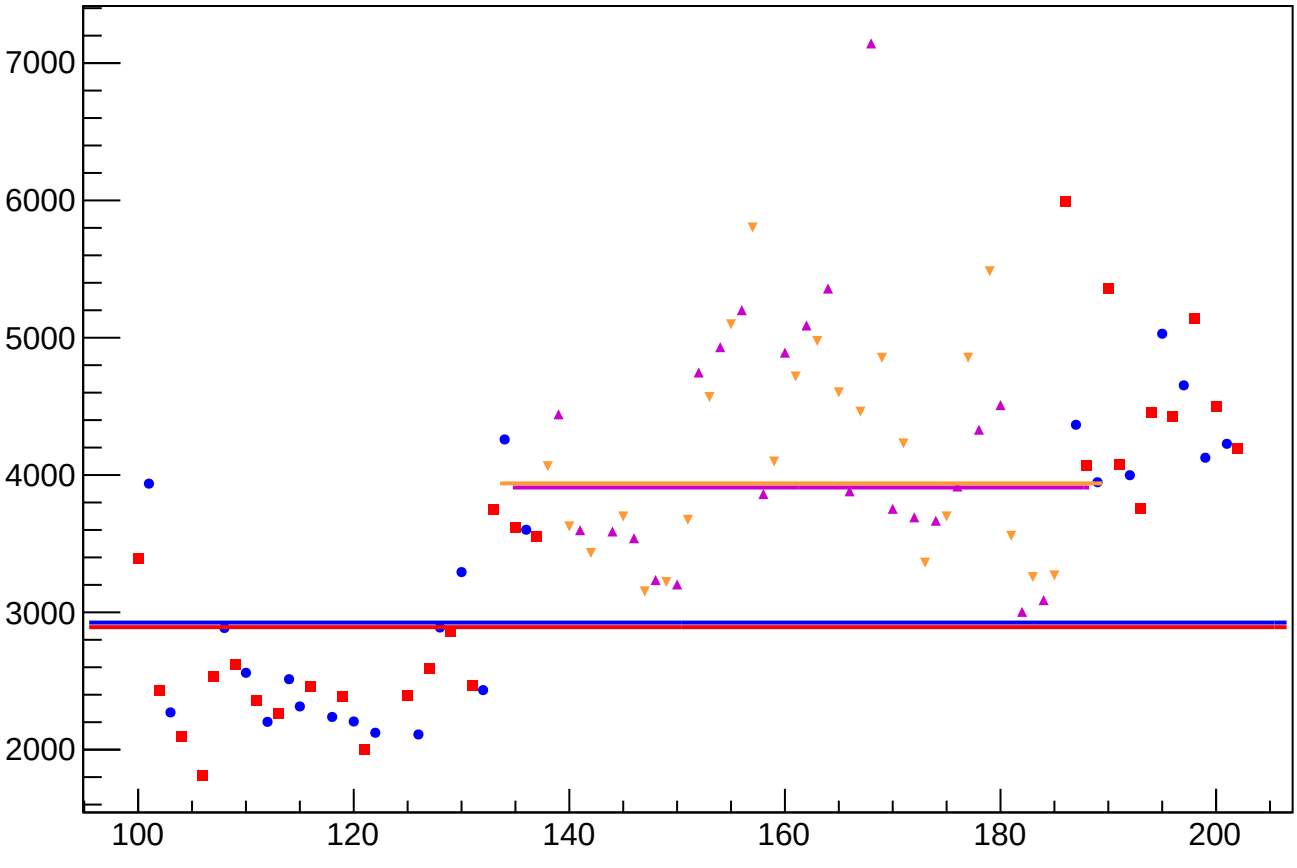
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 595.087+/-591.827 χ^2/NDF: 56.0/50

In: 120.815+/-636.872 χ^2/NDF:37.2/45

Out: 728.707+/-610.276 χ^2/NDF:62.6/51

All: 437.719+/-440.633 χ^2/NDF: 100.2/97



Right In: 2925.501+/-0.616 χ^2/NDF: 2021379.7/22

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2892.195+/-0.570 χ^2/NDF: 2702840.8/27

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

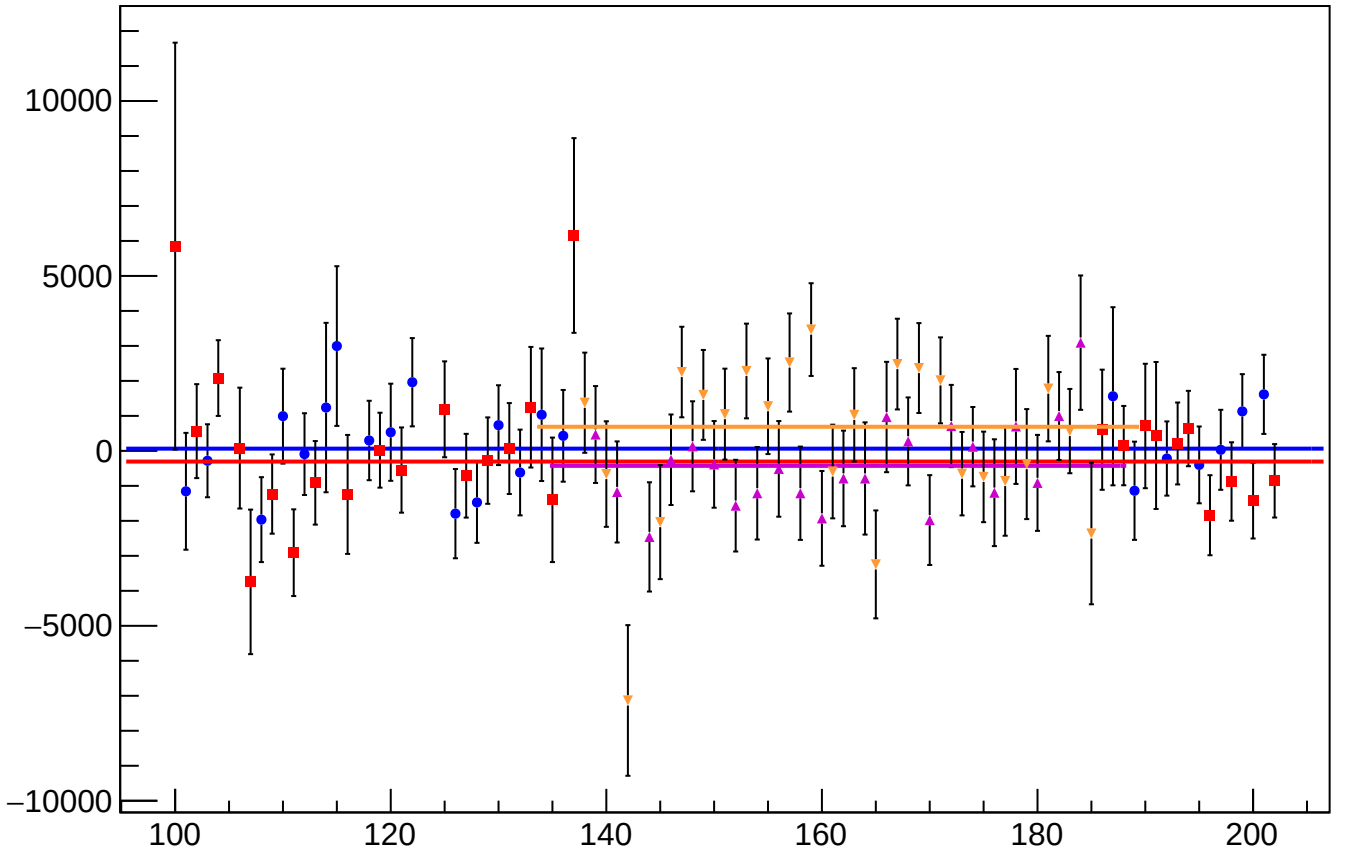
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2907.545+/-0.418 χ^2/NDF: 4725794.3/50

In: 3384.174+/-0.450 χ^2/NDF:4509432.4/45

Out: 3339.012+/-0.432 χ^2/NDF:5235759.9/51

All: 3360.630+/-0.312 χ^2/NDF: 9750435.2/97



Right In: 63.891+/-267.364 χ^2/NDF: 17.3/22

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -305.260+/-251.057 χ^2/NDF: 28.2/27

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

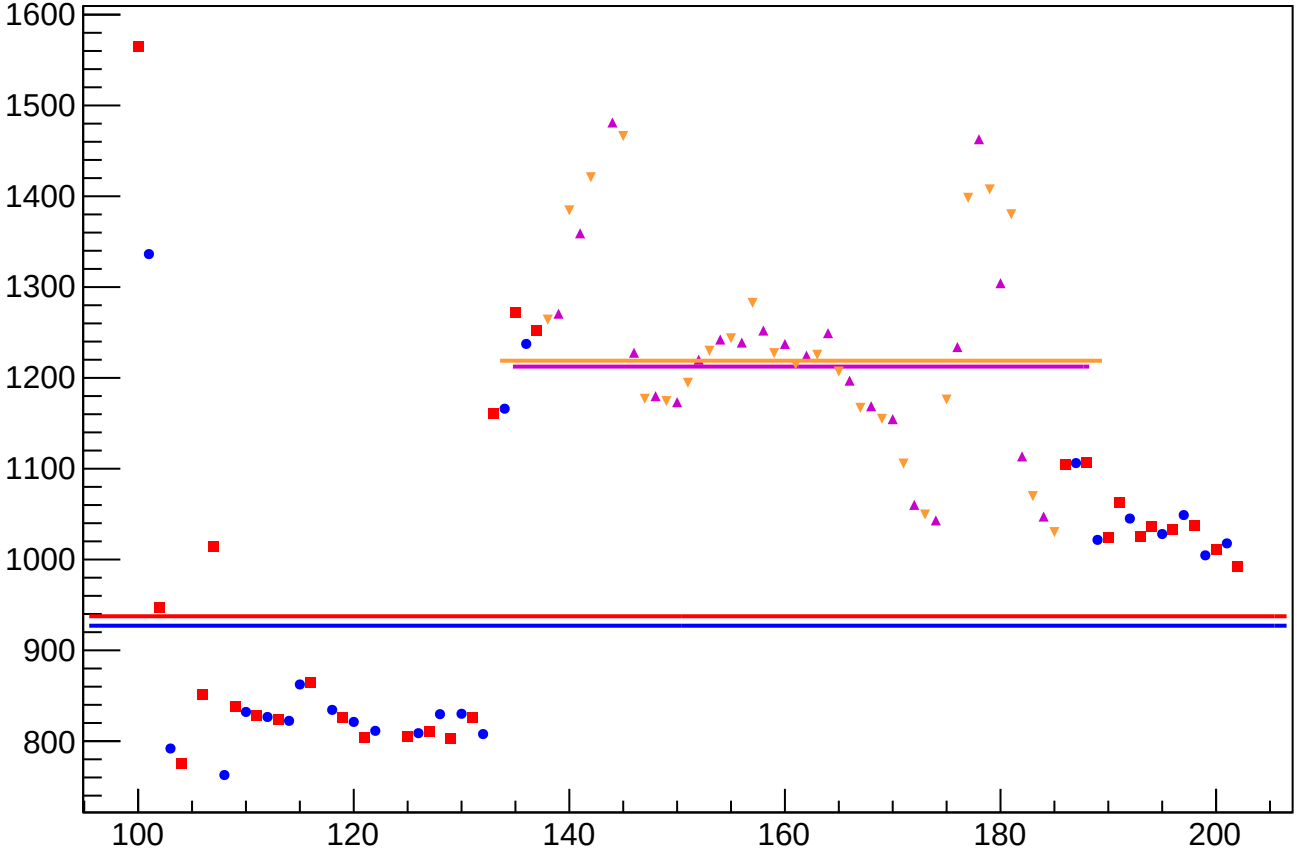
Right: -132.285+/-183.017 χ^2/NDF: 46.6/50

In: -166.920+/-194.794 χ^2/NDF:33.5/45

Out: 130.255+/-188.210 χ^2/NDF:80.8/51

All: -13.227+/-135.352 χ^2/NDF: 115.6/97

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 927.114+/-0.189 χ^2/NDF: 577744.2/22

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 937.522+/-0.177 χ^2/NDF: 531753.8/27

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

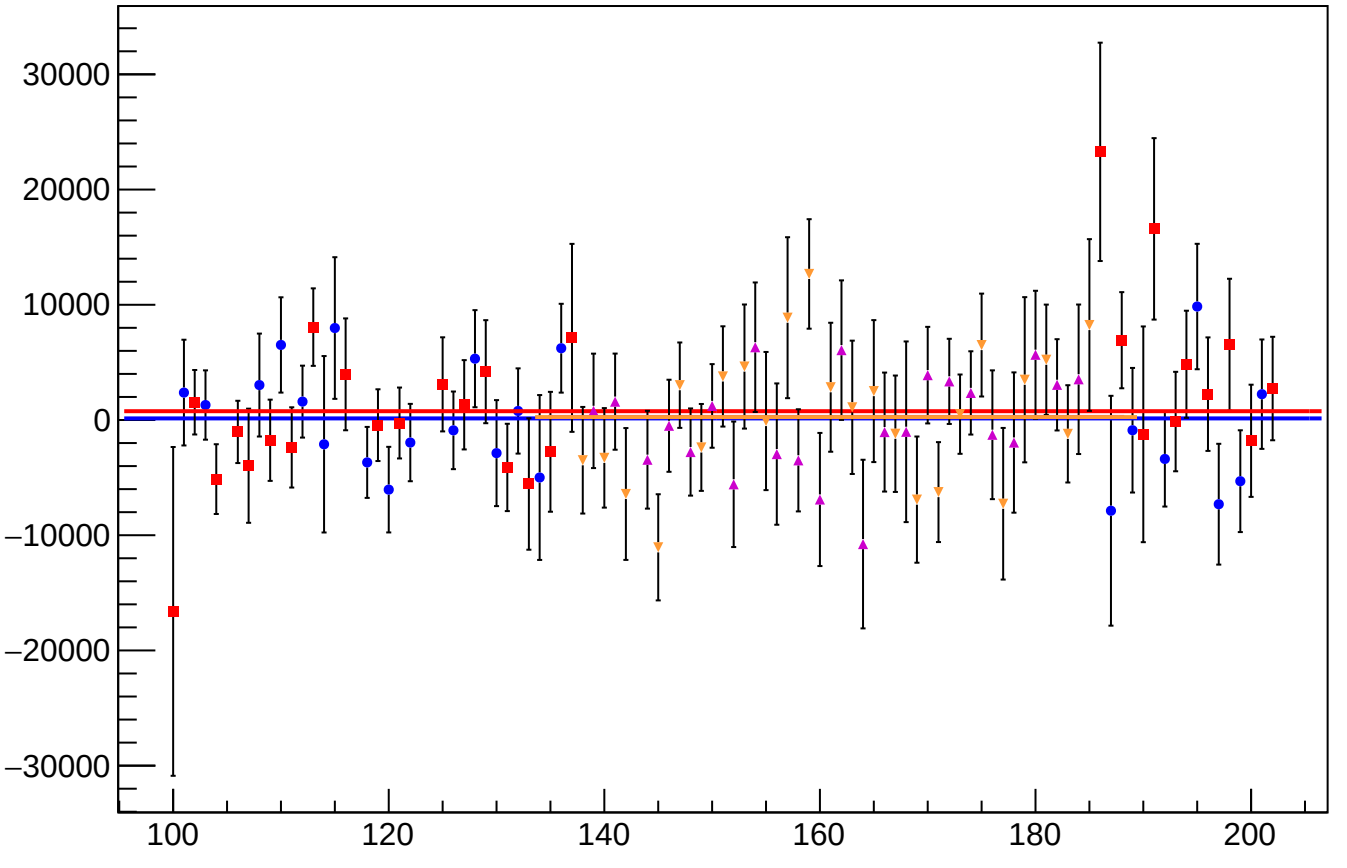
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 932.648+/-0.129 χ^2/NDF: 1111109.5/50

In: 1060.988+/-0.138 χ^2/NDF:1906801.5/45

Out: 1060.695+/-0.133 χ^2/NDF:1926754.8/51

All: 1060.836+/-0.096 χ^2/NDF: 3833558.6/97



Right In: 137.978+/-877.226 χ^2/NDF: 23.2/22

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 764.154+/-787.996 χ^2/NDF: 32.6/27

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

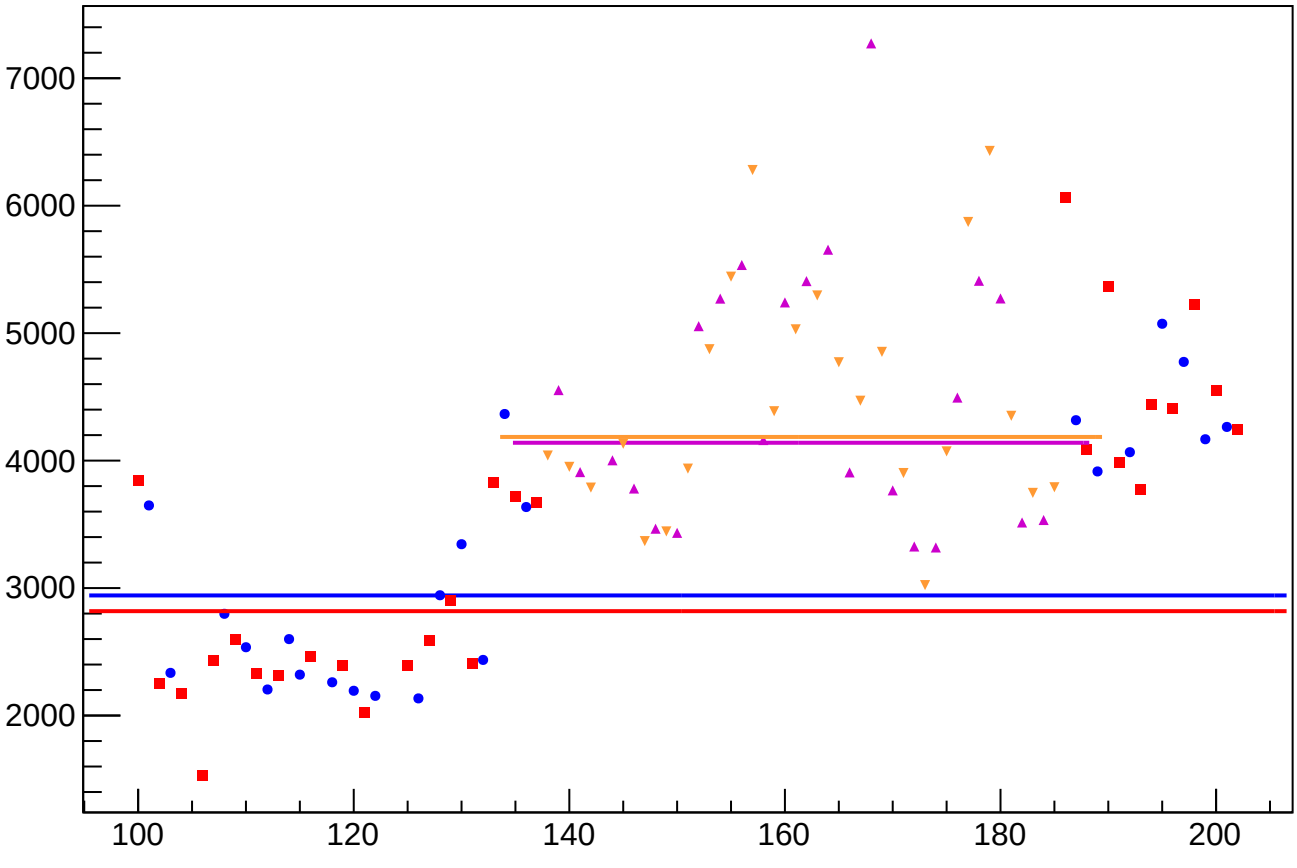
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 484.522+/-586.213 χ^2/NDF: 56.1/50

In: 194.383+/-656.584 χ^2/NDF:36.7/45

Out: 567.092+/-617.774 χ^2/NDF:62.5/51

All: 392.078+/-449.927 χ^2/NDF: 99.3/97



Right In: 2942.188+/-0.620 χ^2/NDF: 1997819.7/22

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2818.935+/-0.557 χ^2/NDF: 3092841.8/27

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

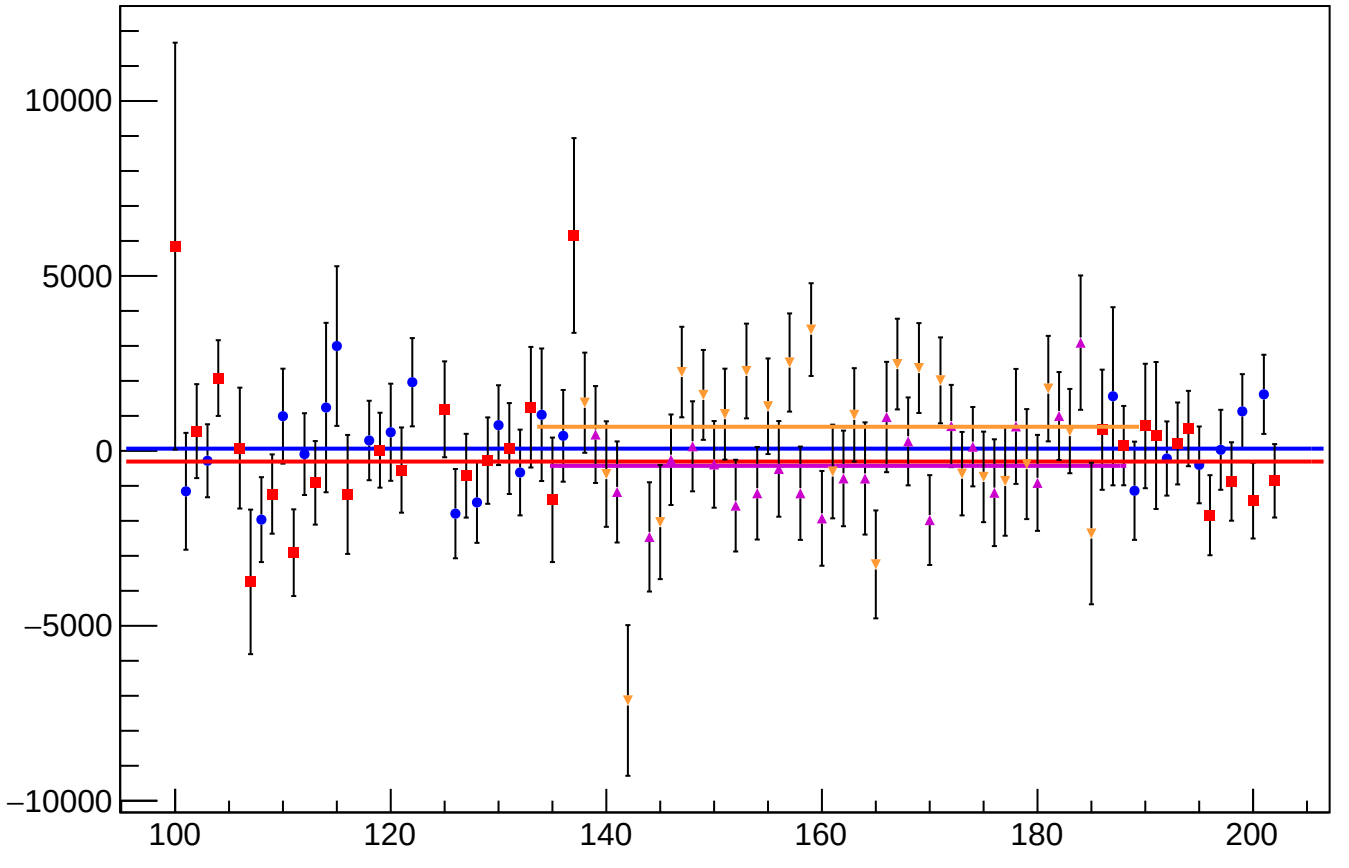
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2873.976+/-0.415 χ^2/NDF: 5112512.2/50

In: 3468.986+/-0.464 χ^2/NDF:5087801.2/45

Out: 3345.634+/-0.437 χ^2/NDF:6682679.6/51

All: 3403.557+/-0.318 χ^2/NDF: 11807923.7/9



Right In: 63.891+/-267.364 χ^2/NDF: 17.3/22

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -305.263+/-251.057 χ^2/NDF: 28.2/27

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

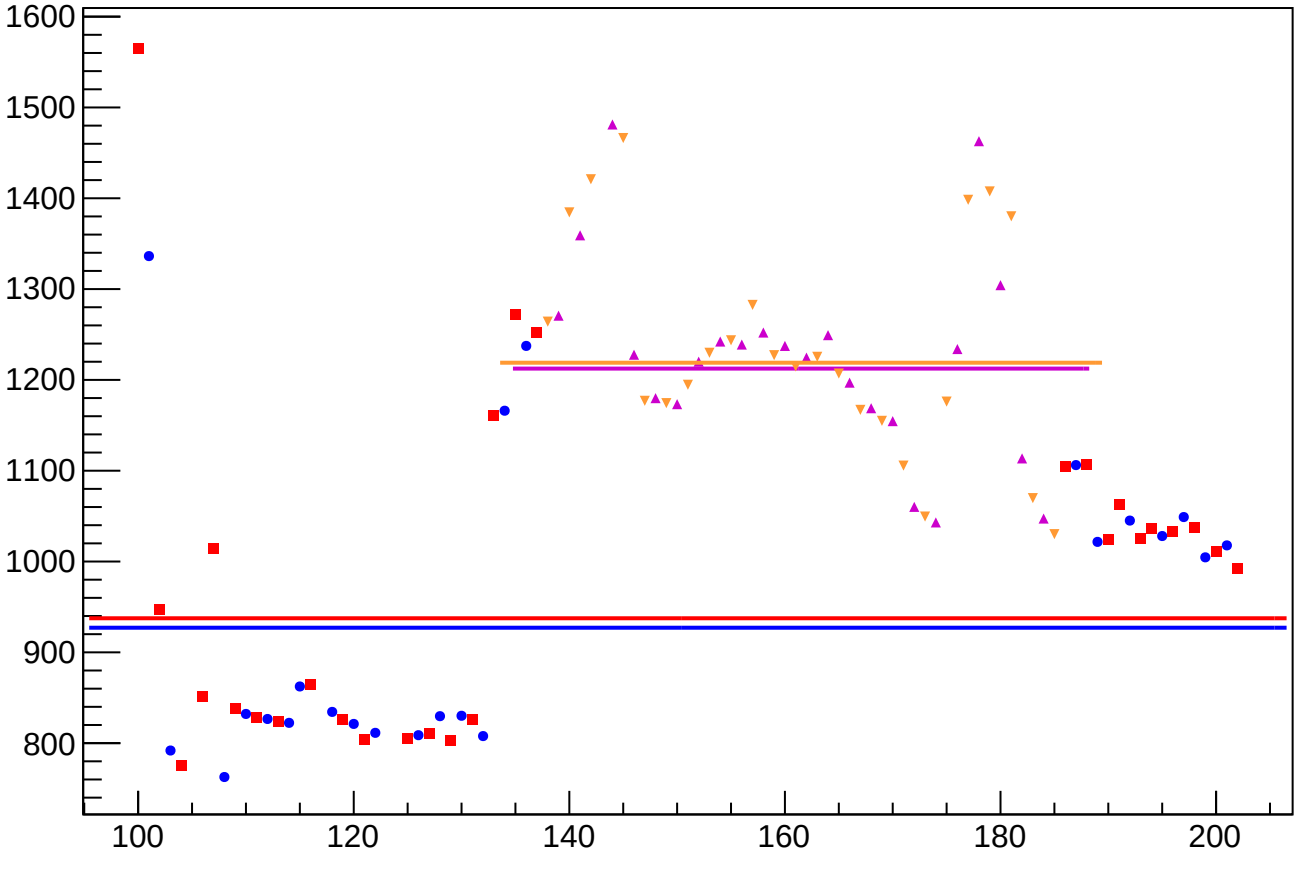
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -132.286+/-183.018 χ^2/NDF: 46.6/50

In: -166.919+/-194.794 χ^2/NDF:33.5/45

Out: 130.254+/-188.211 χ^2/NDF:80.8/51

All: -13.226+/-135.352 χ^2/NDF: 115.6/97



Right In: 927.114+/-0.189 χ^2/NDF: 577744.1/22

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 937.522+/-0.177 χ^2/NDF: 531754.1/27

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

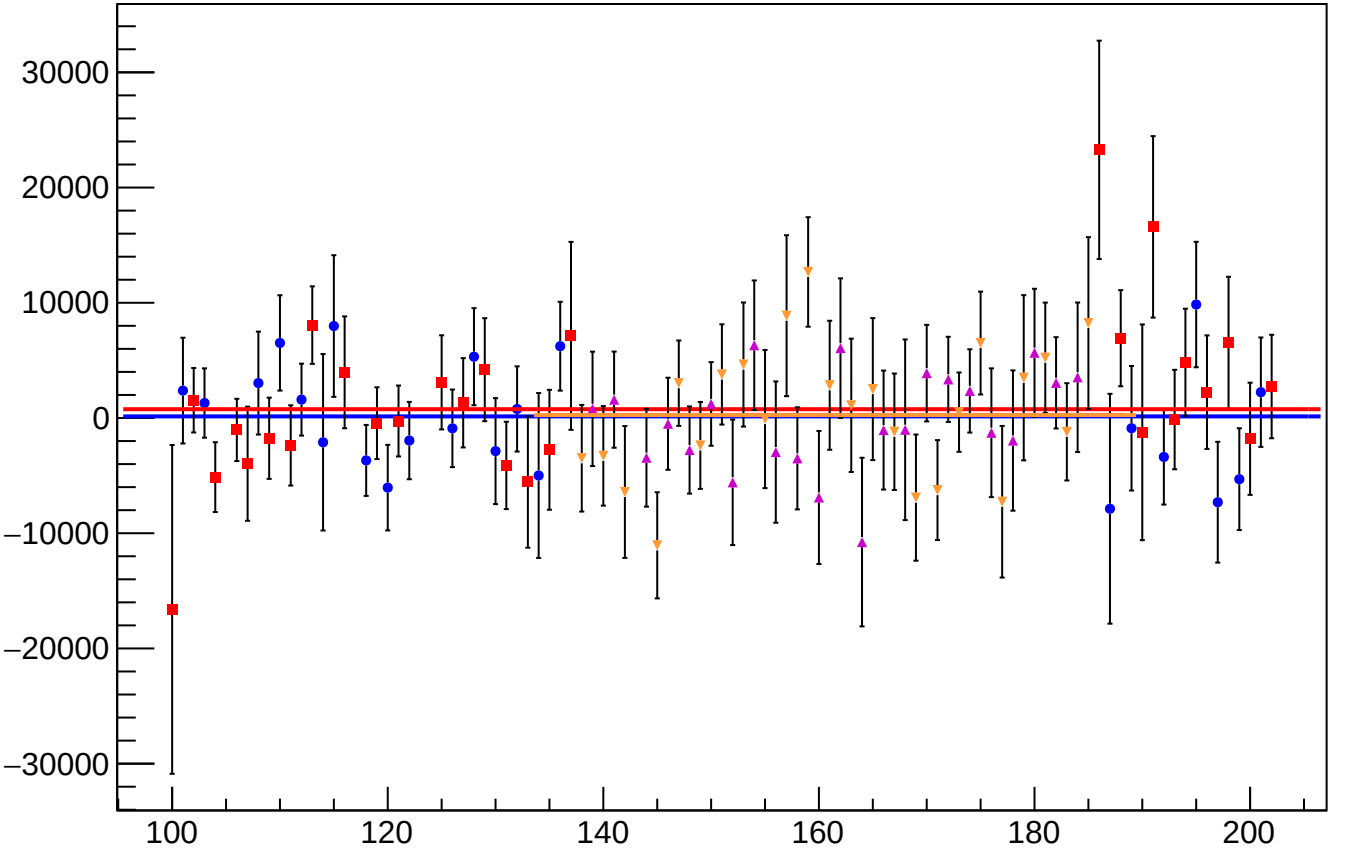
Right: 932.648+/-0.129 χ^2/NDF: 1111109.7/50

In: 1060.988+/-0.138 χ^2/NDF:1906817.7/45

Out: 1060.696+/-0.133 χ^2/NDF:1926772.2/51

All: 1060.837+/-0.096 χ^2/NDF: 3833592.2/97

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 137.975+/-877.224 χ^2/NDF: 23.2/22

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 764.149+/-787.995 χ^2/NDF: 32.6/27

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

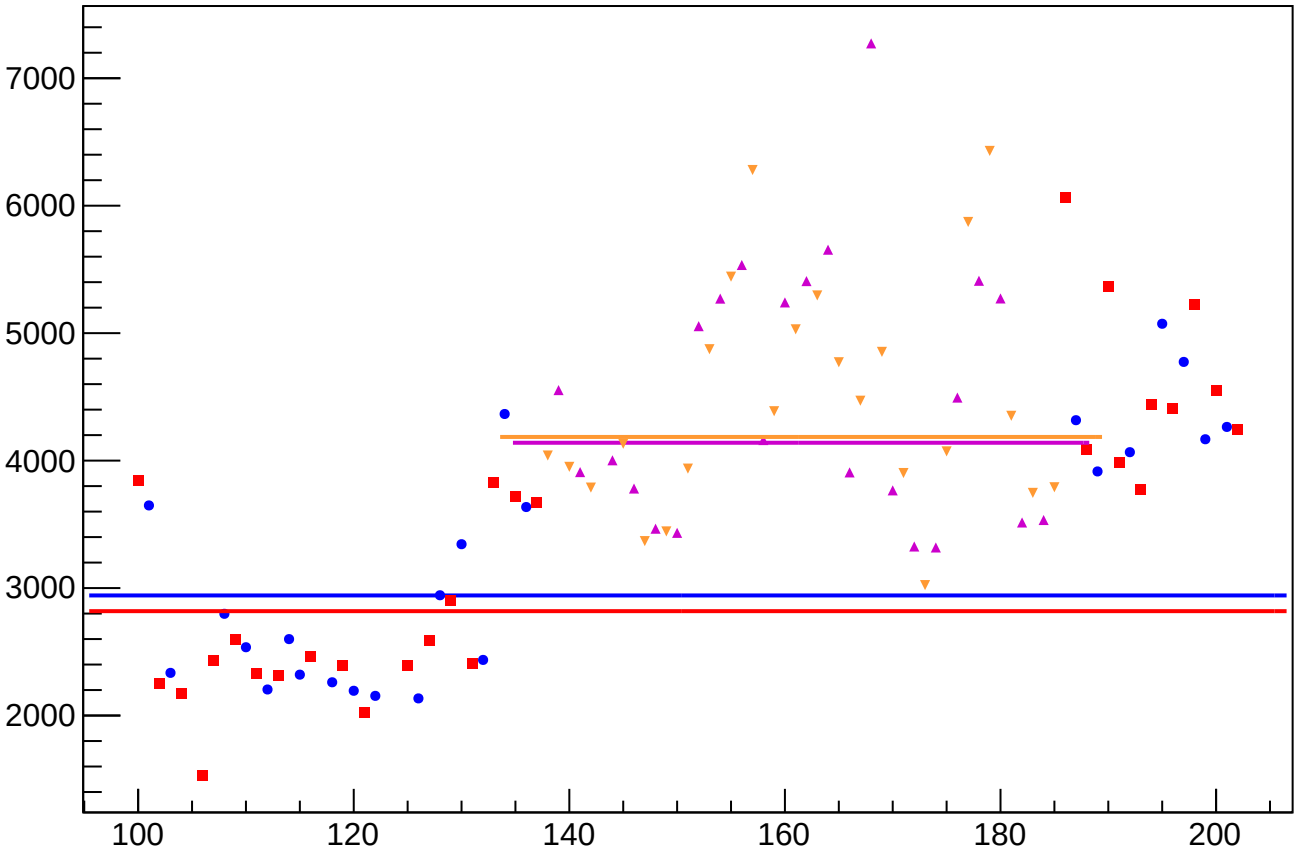
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 484.519+/-586.212 χ^2/NDF: 56.1/50

In: 194.381+/-656.583 χ^2/NDF:36.7/45

Out: 567.091+/-617.774 χ^2/NDF:62.5/51

All: 392.076+/-449.927 χ^2/NDF: 99.3/97



Right In: 2942.180+/-0.620 χ^2/NDF: 1997846.7/22

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2818.928+/-0.557 χ^2/NDF: 3092869.5/27

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

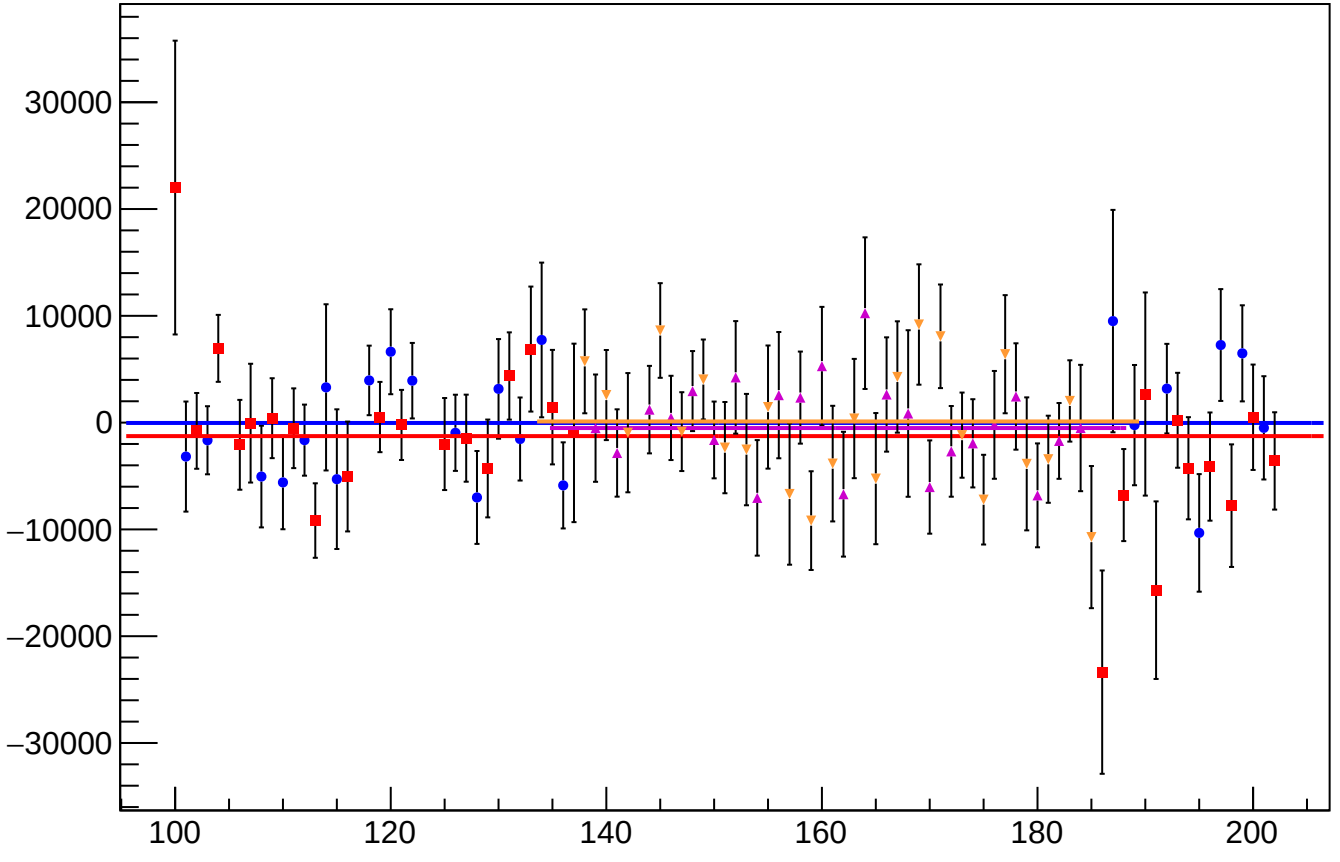
Right: 2873.969+/-0.415 χ^2/NDF: 5112566.5/50

In: 3468.982+/-0.464 χ^2/NDF:5087871.3/45

Out: 3345.630+/-0.437 χ^2/NDF:6682754.3/51

All: 3403.553+/-0.318 χ^2/NDF: 11808068.3/9

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -32.108+/-919.302 χ^2/NDF: 25.5/22

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -1263.872+/-855.326 χ^2/NDF: 33.4/27

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

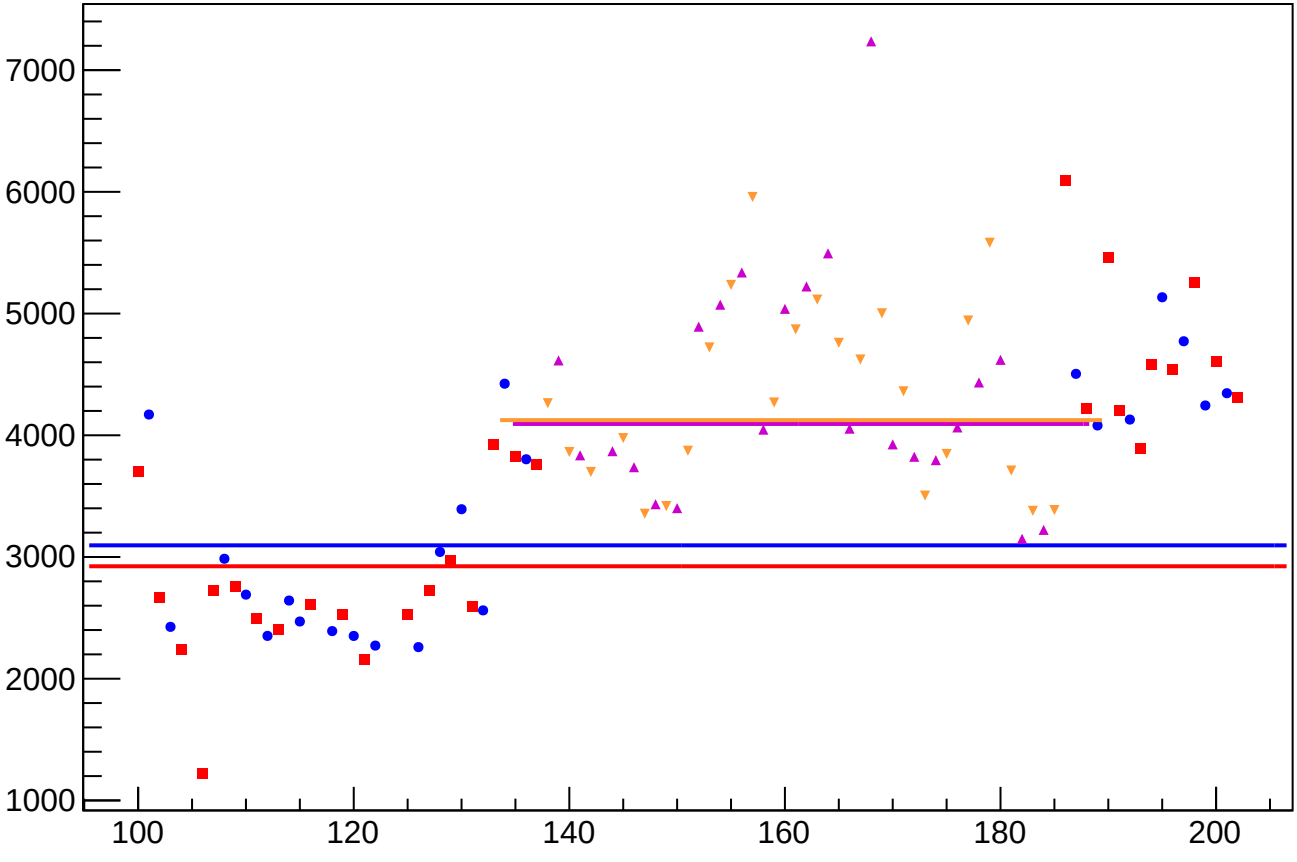
Right: -692.338+/-626.203 χ^2/NDF: 59.9/50

In: -256.757+/-668.601 χ^2/NDF:39.1/45

Out: -667.247+/-643.150 χ^2/NDF:62.6/51

All: -469.963+/-463.512 χ^2/NDF: 101.9/97

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3095.767+/-0.650 χ^2/NDF: 1837979.8/22

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2923.794+/-0.584 χ^2/NDF: 3292273.4/27

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

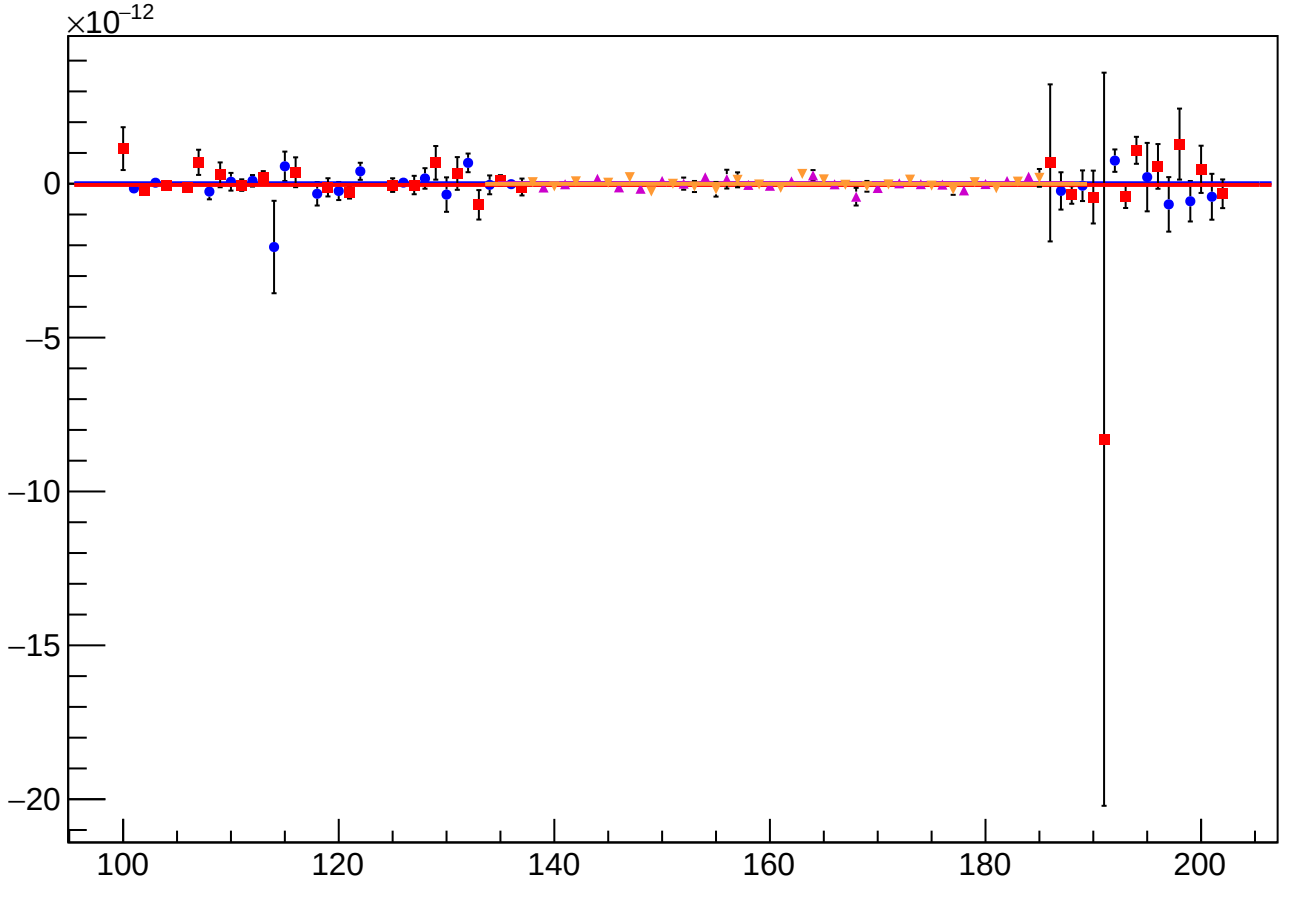
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3000.565+/-0.434 χ^2/NDF: 5168998.6/50

In: 3565.540+/-0.473 χ^2/NDF:4109567.9/45

Out: 3424.789+/-0.446 χ^2/NDF:6027542.5/51

All: 3491.005+/-0.324 χ^2/NDF: 10184045.9/9



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/27

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

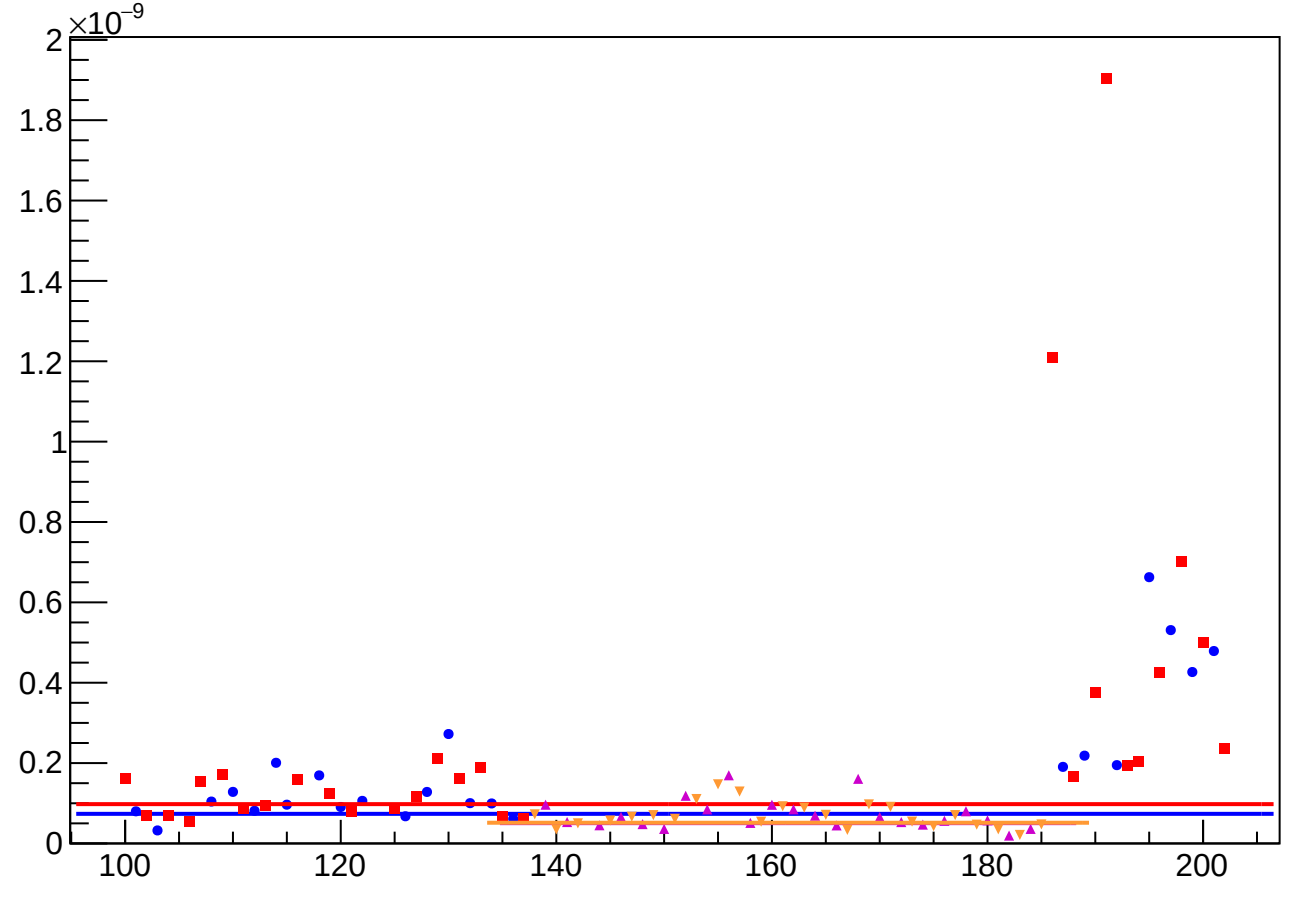
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 51.4/50

In: 0.000+/-0.000 χ^2/NDF:47.1/45

Out: -0.000+/-0.000 χ^2/NDF:53.9/51

All: 0.000+/-0.000 χ^2/NDF: 102.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 4024104.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3510283.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

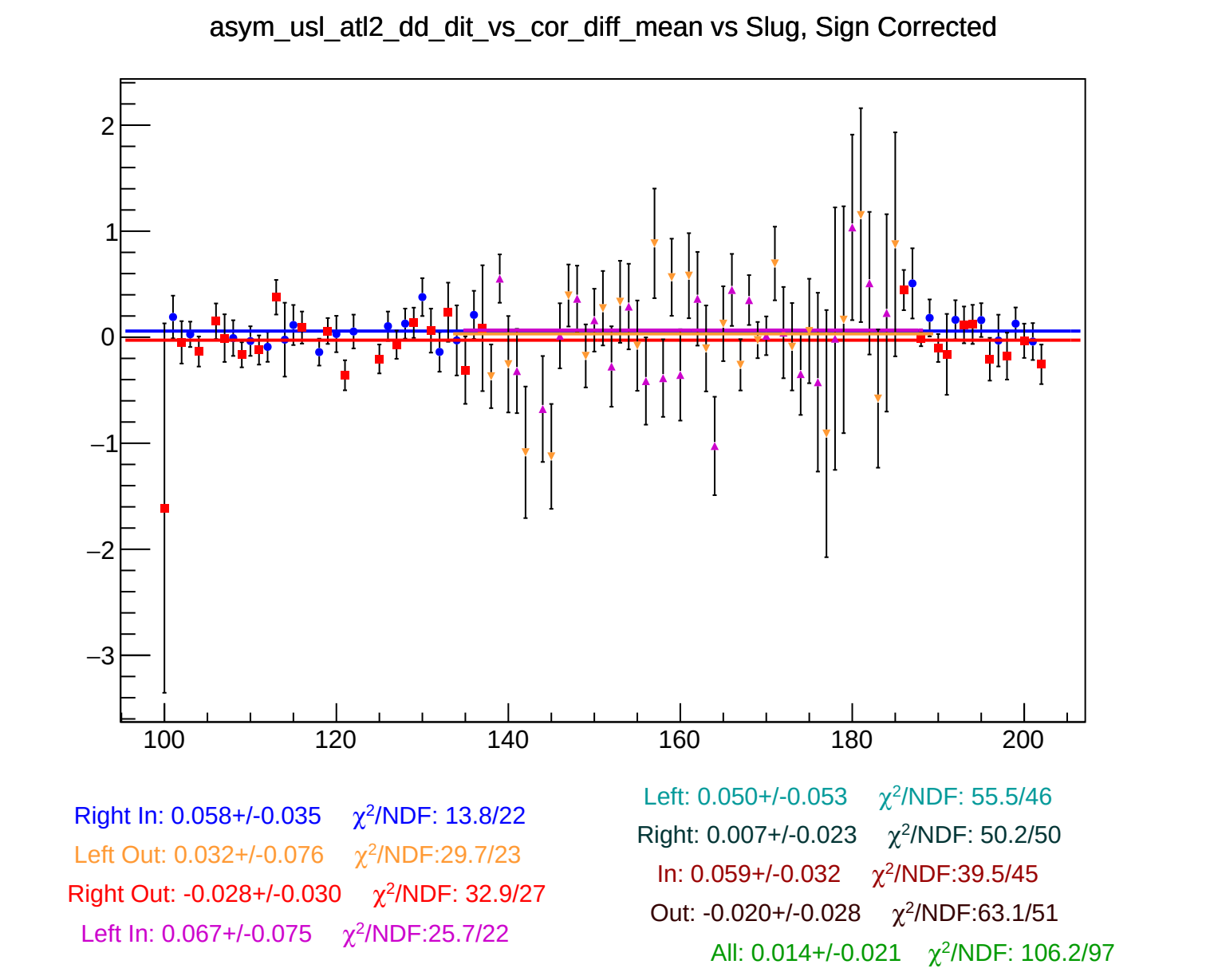
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

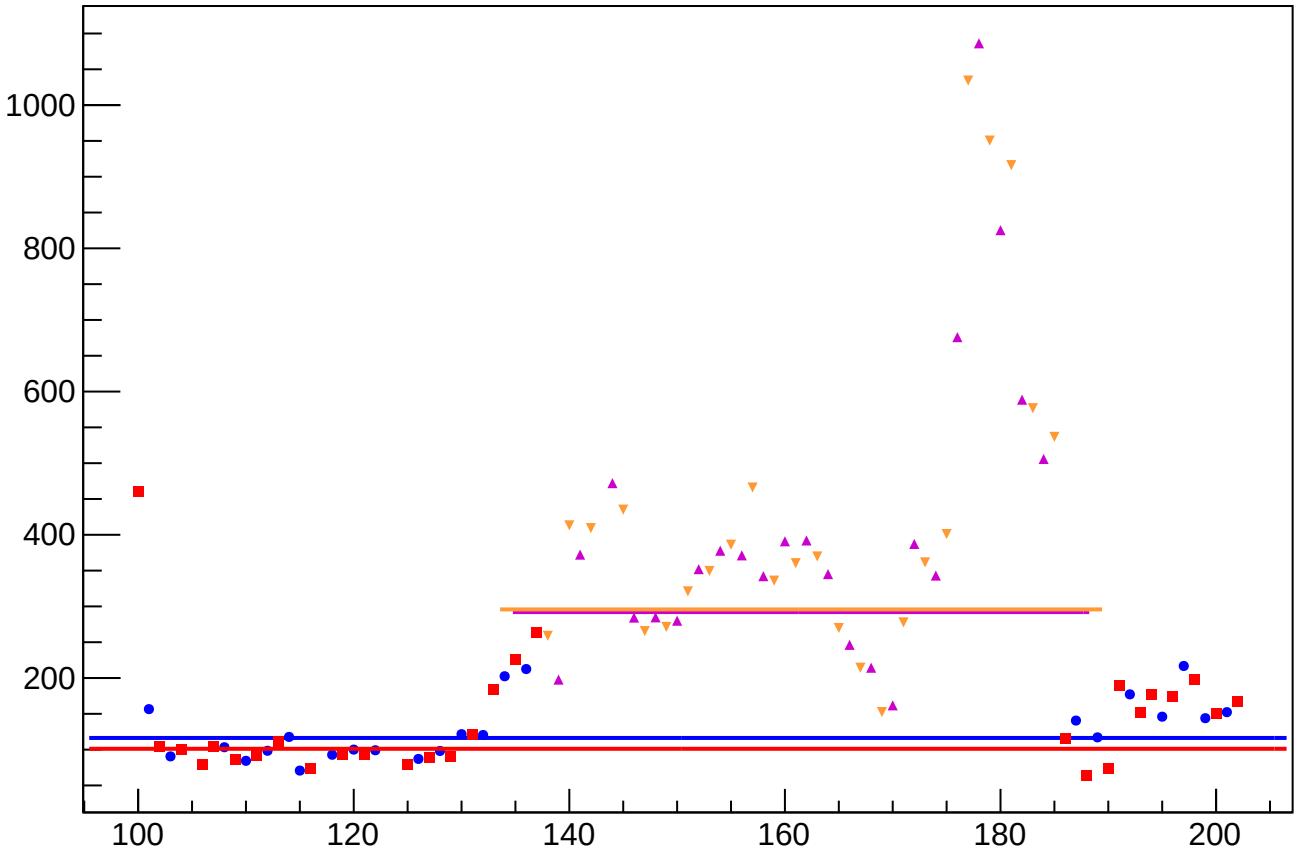
Right: 0.000+/-0.000 χ^2/NDF: 7796374.5/50

In: 0.000+/-0.000 χ^2/NDF:6914551.4/45

Out: 0.000+/-0.000 χ^2/NDF:7168573.5/51

All: 0.000+/-0.000 χ^2/NDF: 14117660.0/97


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
Right In: 0.058+/-0.035 χ²/NDF: 13.8/22
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.028+/-0.030 χ²/NDF: 32.9/27
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.007+/-0.023 χ²/NDF: 50.2/50
In: 0.059+/-0.032 χ²/NDF:39.5/45
Out: -0.020+/-0.028 χ²/NDF:63.1/51
All: 0.014+/-0.021 χ²/NDF: 106.2/97



Right In: 116.313+/-0.025 χ^2/NDF: 1954114.9/22

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.186+/-0.021 χ^2/NDF: 3361234.9/27

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

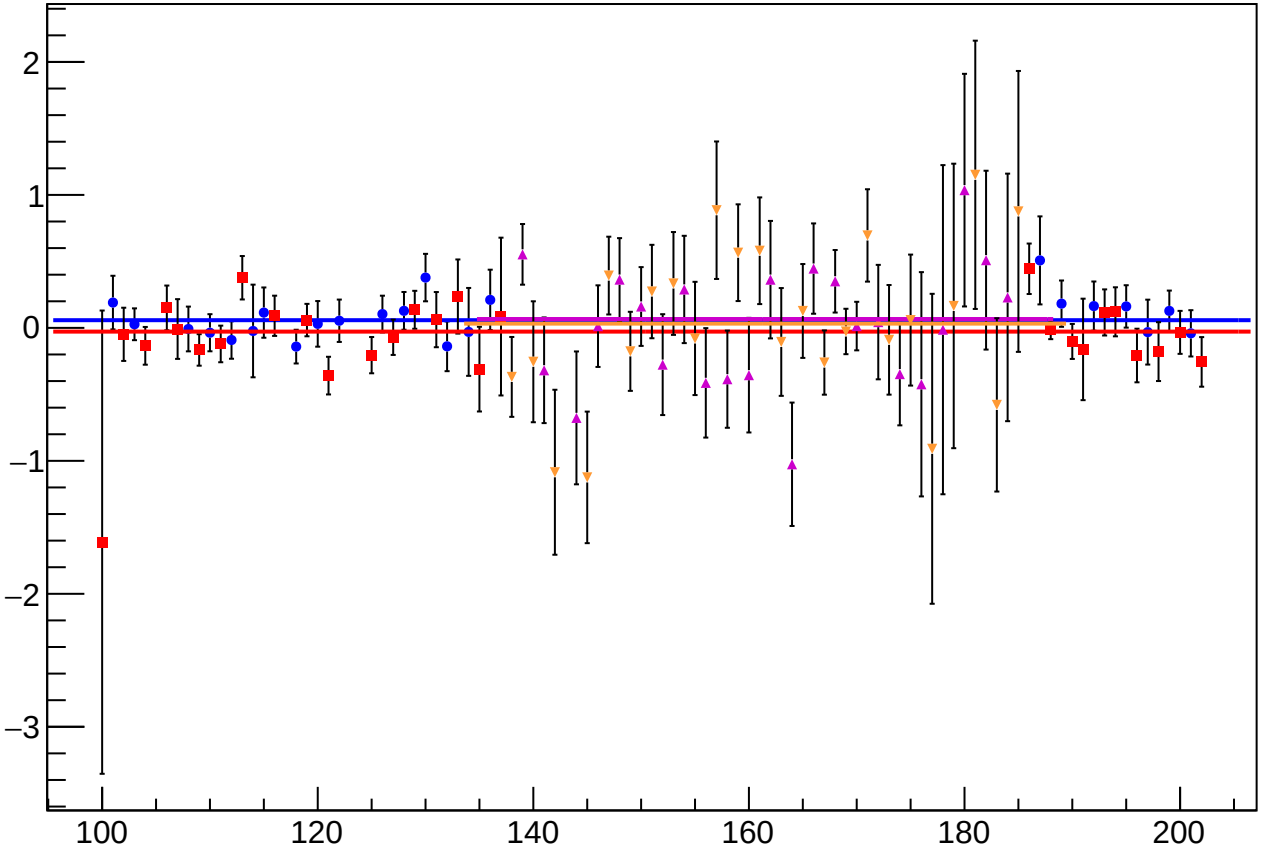
Right: 107.429+/-0.016 χ^2/NDF: 5529626.1/50

In: 148.560+/-0.023 χ^2/NDF:16048690.3/45

Out: 126.950+/-0.020 χ^2/NDF:20238909.6/51

All: 136.188+/-0.015 χ^2/NDF: 36809653.3/97

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.058+/-0.035 χ^2/NDF: 13.8/22

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.028+/-0.030 χ^2/NDF: 32.9/27

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

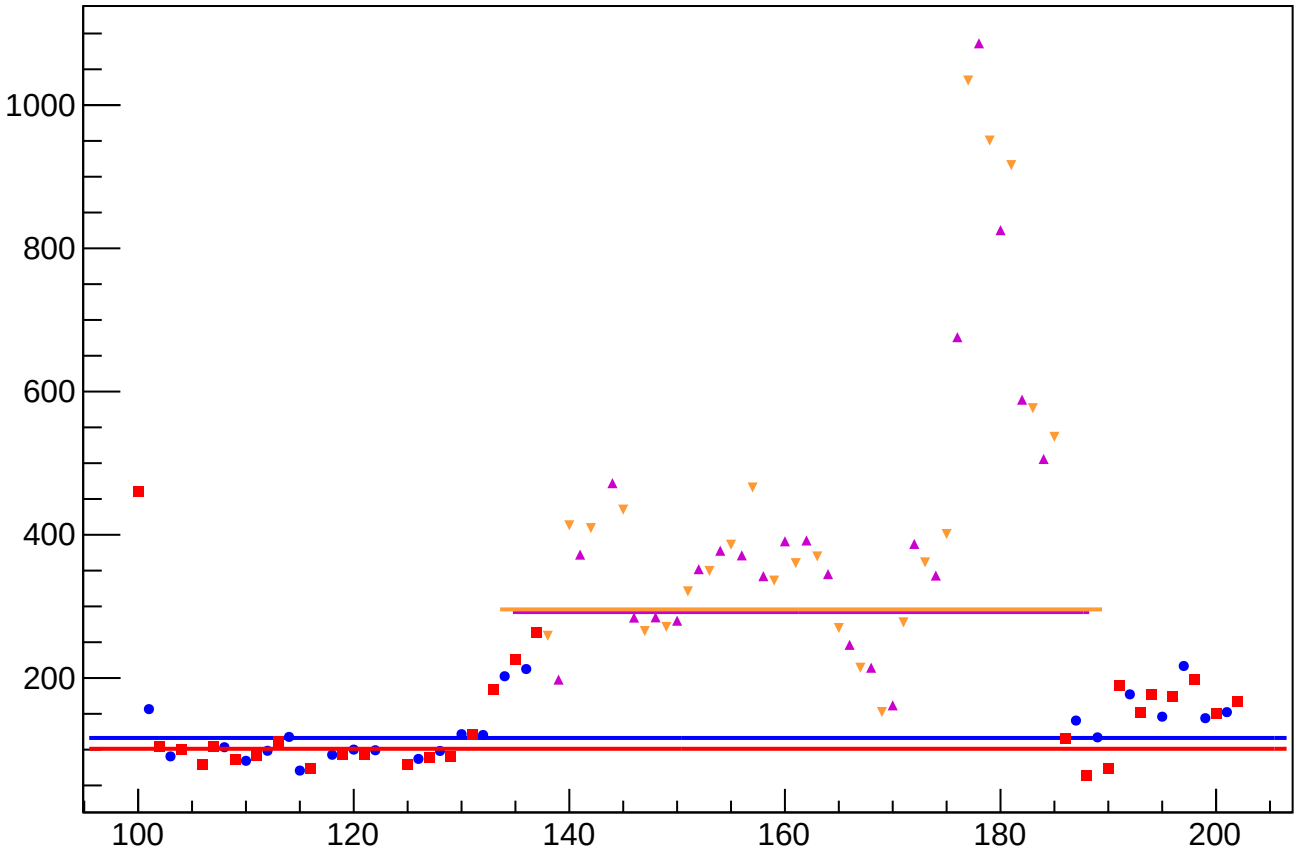
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.023 χ^2/NDF: 50.2/50

In: 0.059+/-0.032 χ^2/NDF:39.5/45

Out: -0.020+/-0.028 χ^2/NDF:63.1/51

All: 0.014+/-0.021 χ^2/NDF: 106.2/97



Right In: 116.313+/-0.025 χ^2/NDF: 1954114.9/22

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.186+/-0.021 χ^2/NDF: 3361234.9/27

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

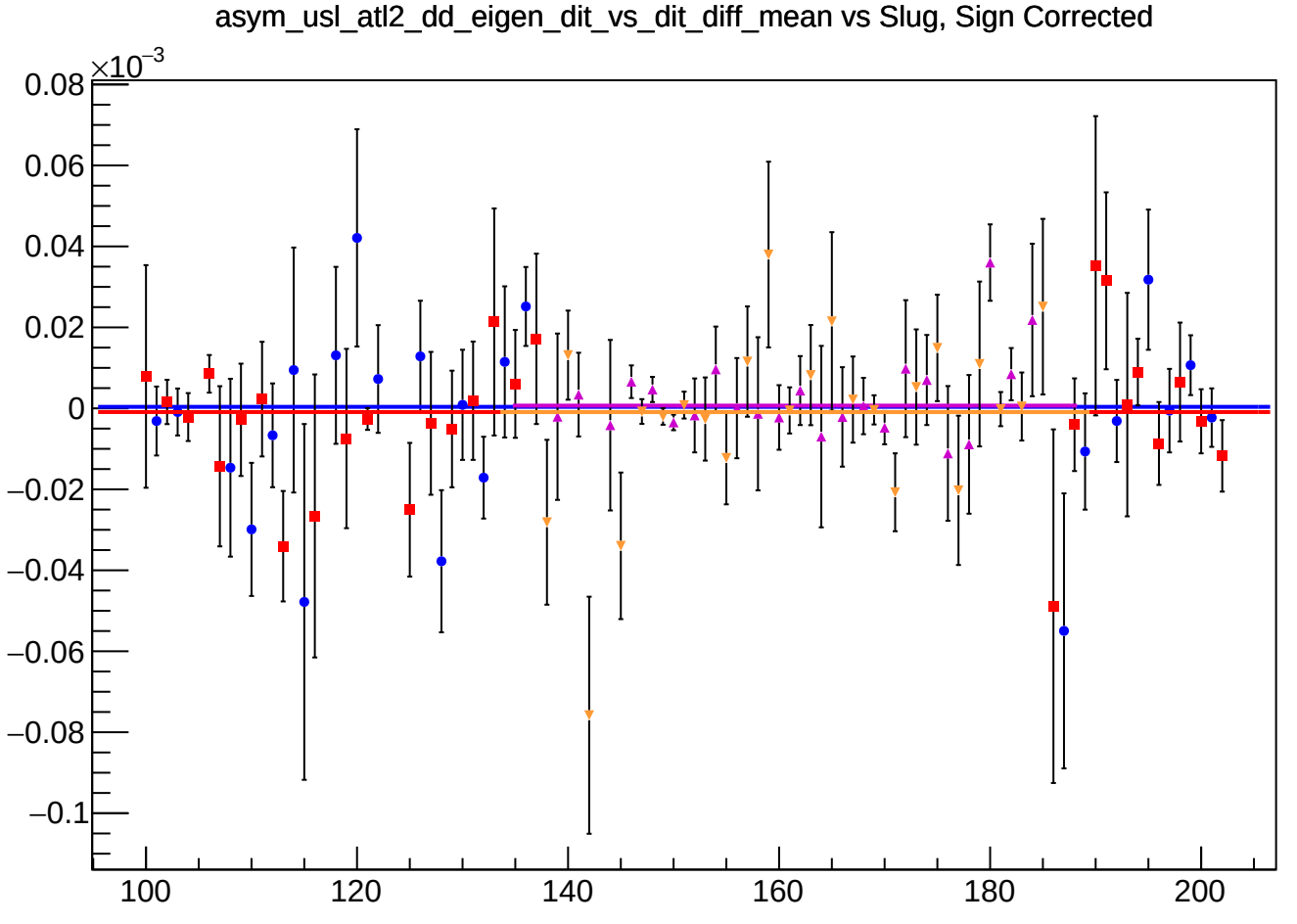
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 107.429+/-0.016 χ^2/NDF: 5529626.1/50

In: 148.560+/-0.023 χ^2/NDF:16048690.3/45

Out: 126.950+/-0.020 χ^2/NDF:20238909.6/51

All: 136.188+/-0.015 χ^2/NDF: 36809653.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/27

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

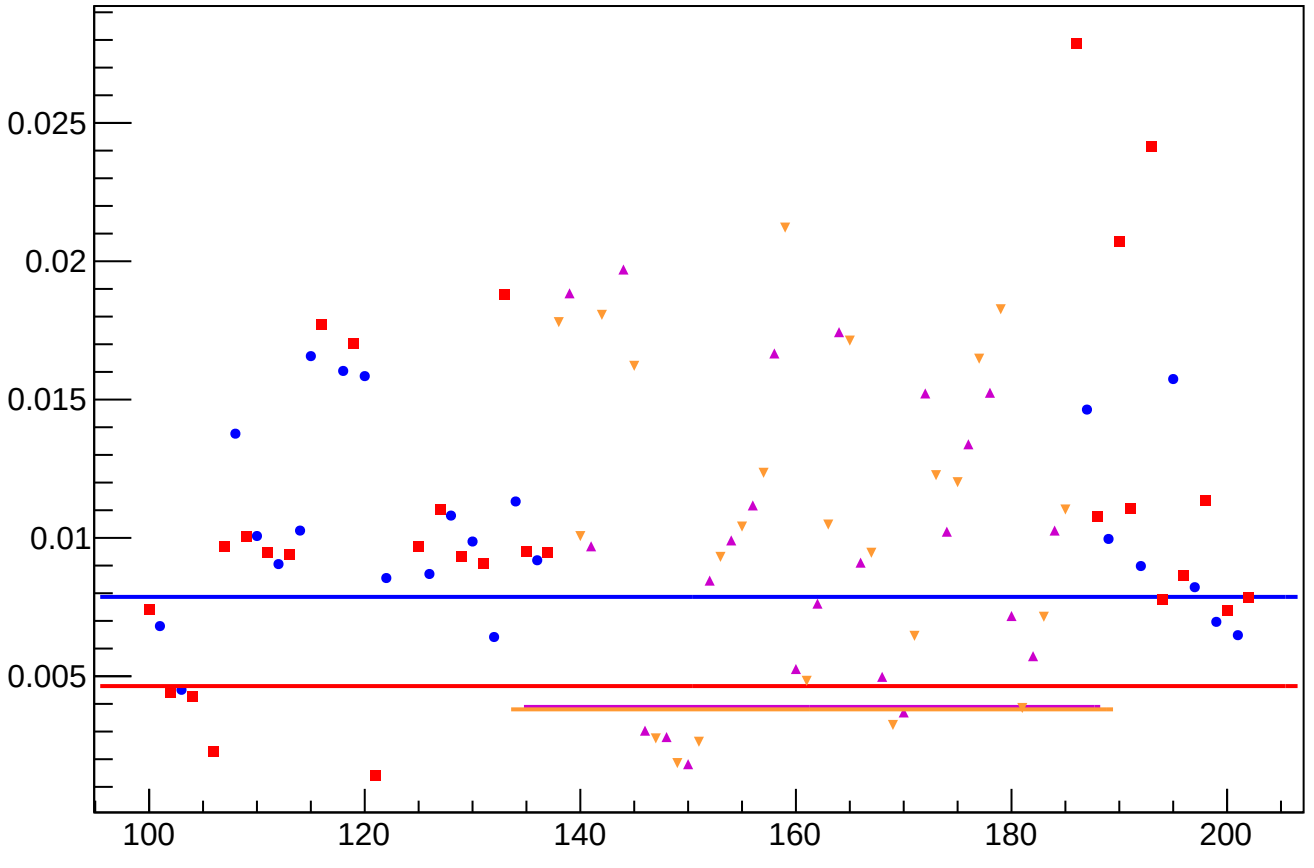
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 57.2/50

In: 0.000+/-0.000 χ^2/NDF:62.6/45

Out: -0.000+/-0.000 χ^2/NDF:53.3/51

All: -0.000+/-0.000 χ^2/NDF: 117.0/97



Right In: 0.008+/-0.000 χ^2/NDF: 2370400.6/22

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 11215104.4/27

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

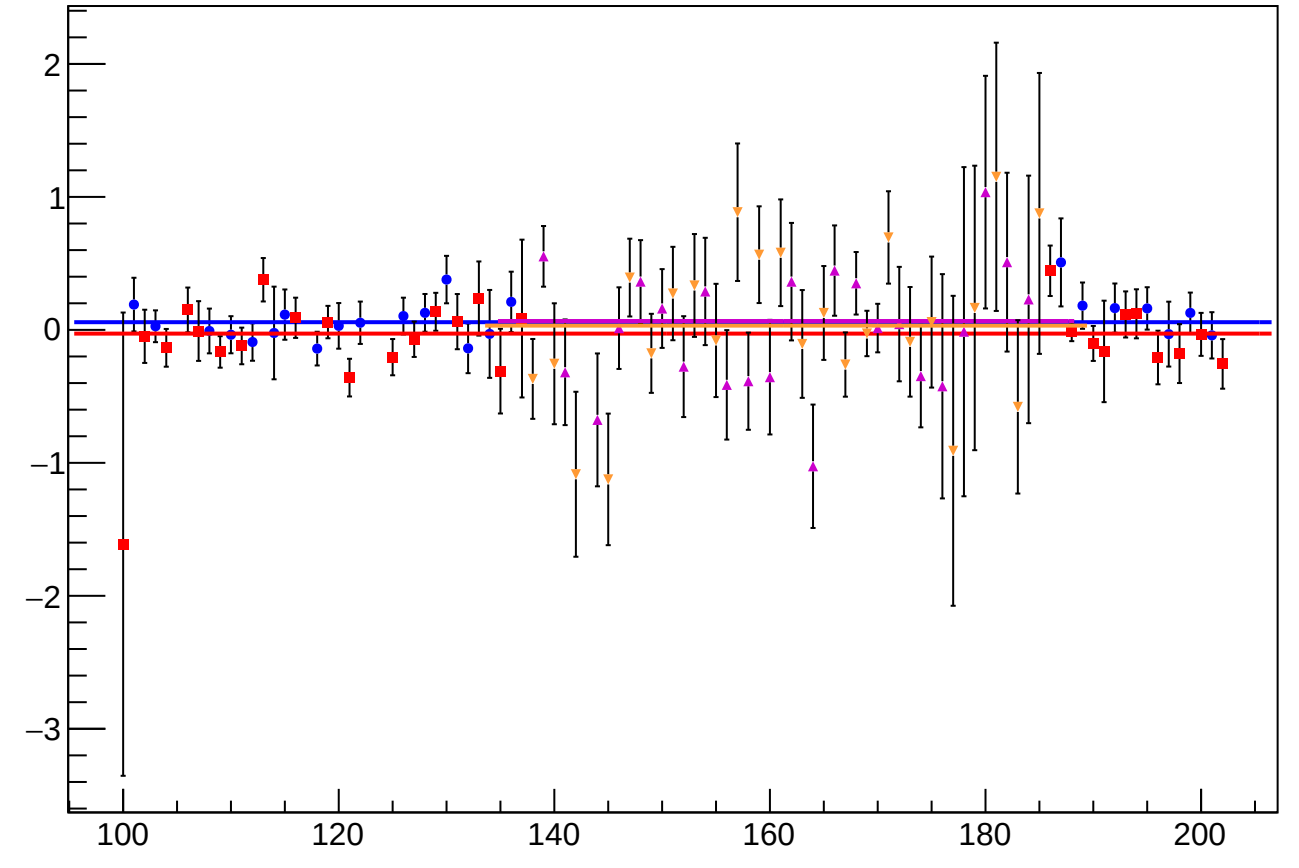
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.006+/-0.000 χ^2/NDF: 15986018.0/50

In: 0.005+/-0.000 χ^2/NDF:20142286.4/45

Out: 0.004+/-0.000 χ^2/NDF:26180194.7/51

All: 0.004+/-0.000 χ^2/NDF: 46676033.5/97



Right In: 0.058+/-0.035 χ^2/NDF: 13.8/22

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.028+/-0.030 χ^2/NDF: 32.9/27

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

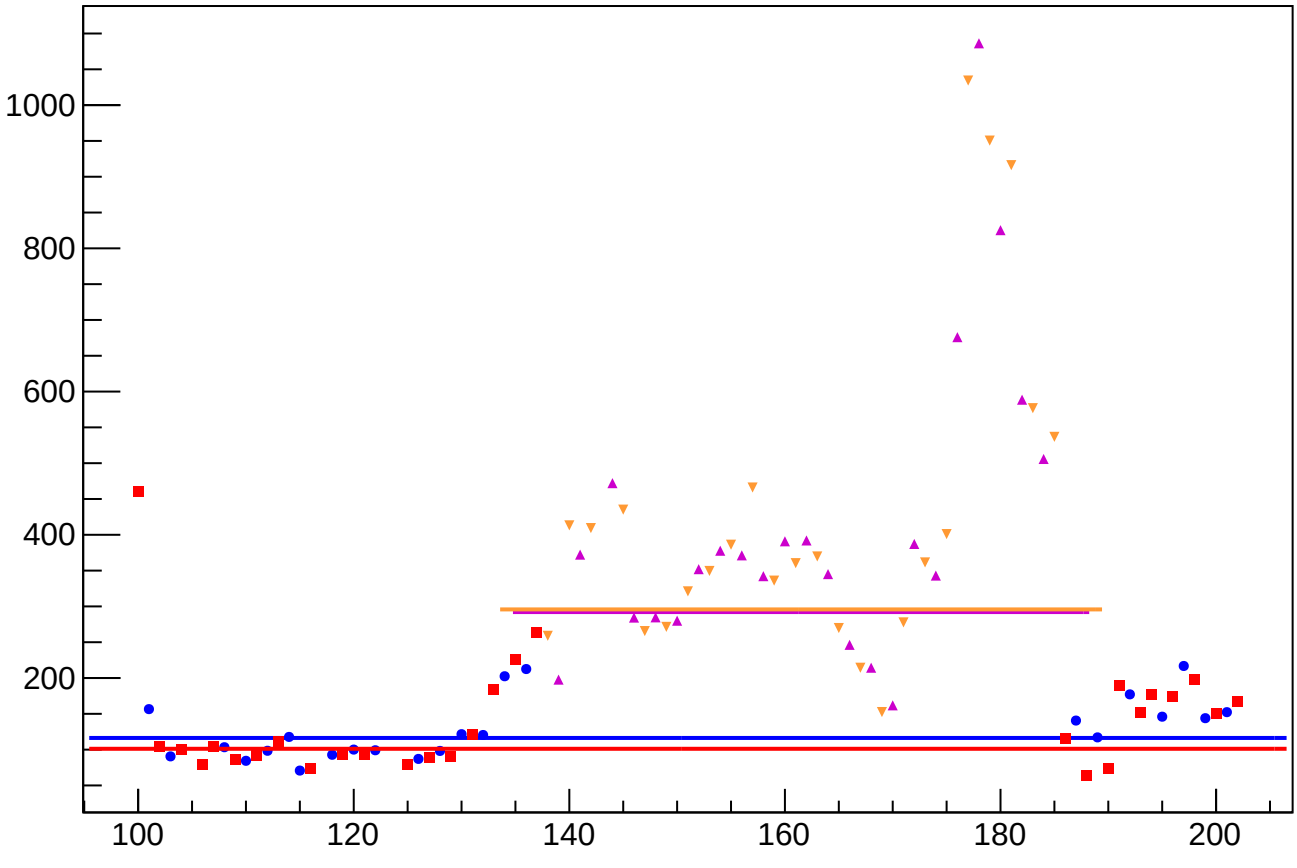
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.023 χ^2/NDF: 50.2/50

In: 0.059+/-0.032 χ^2/NDF:39.5/45

Out: -0.020+/-0.028 χ^2/NDF:63.1/51

All: 0.014+/-0.021 χ^2/NDF: 106.2/97



Right In: 116.313+/-0.025 χ^2/NDF: 1954053.4/22

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 101.184+/-0.021 χ^2/NDF: 3361367.2/27

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

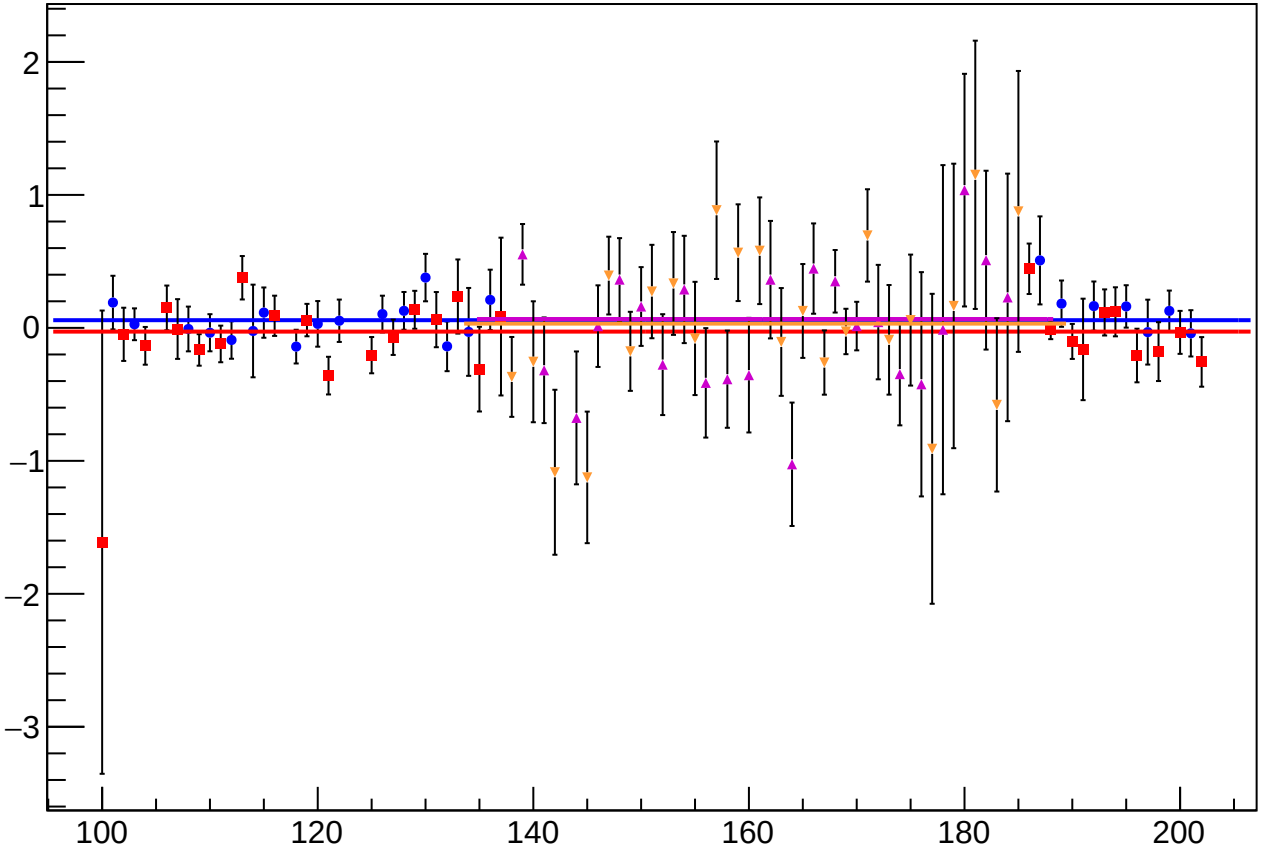
Right: 107.428+/-0.016 χ^2/NDF: 5529751.3/50

In: 148.560+/-0.023 χ^2/NDF:16048721.5/45

Out: 126.948+/-0.020 χ^2/NDF:20239385.6/51

All: 136.187+/-0.015 χ^2/NDF: 36810275.1/97

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.058+/-0.035 χ^2/NDF: 13.8/22

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.028+/-0.030 χ^2/NDF: 32.9/27

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

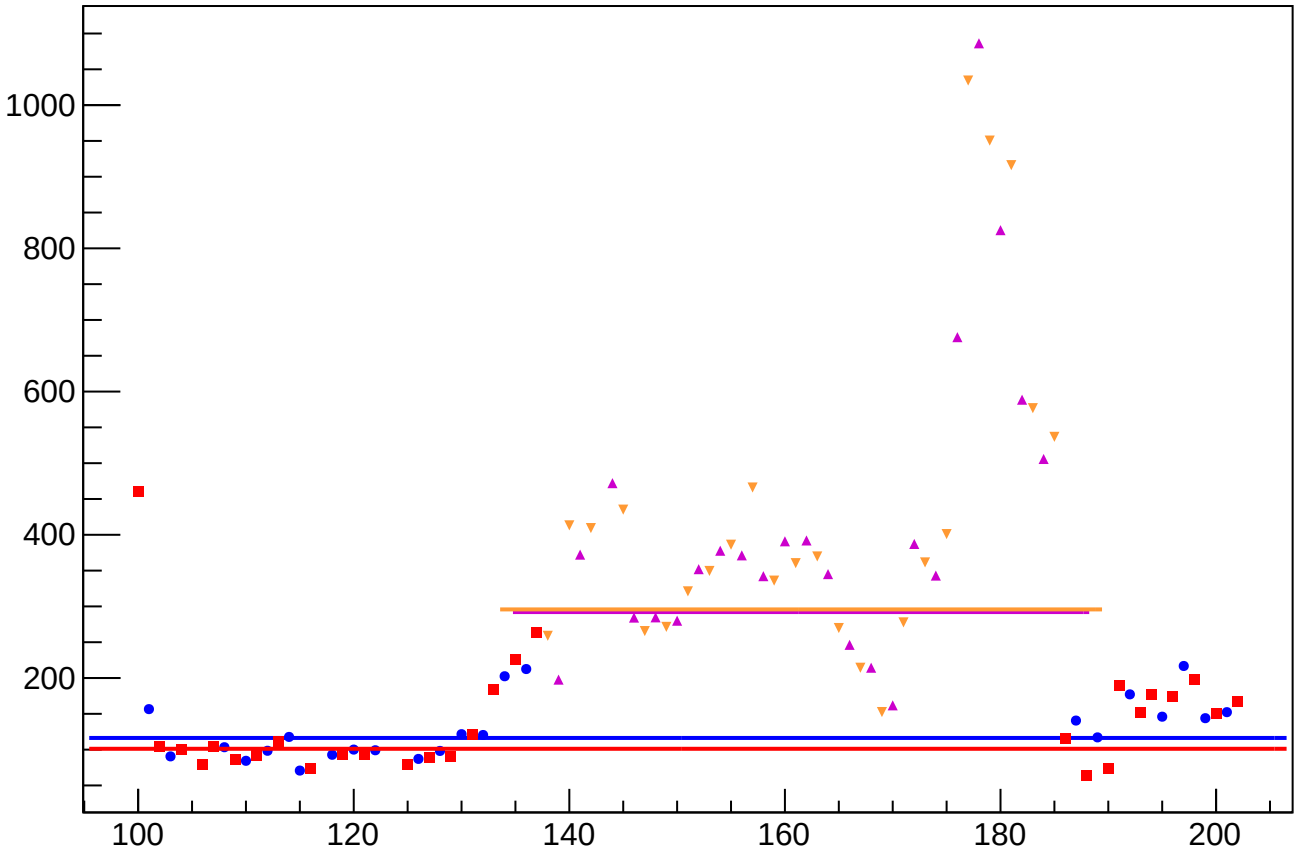
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.023 χ^2/NDF: 50.2/50

In: 0.059+/-0.032 χ^2/NDF:39.5/45

Out: -0.020+/-0.028 χ^2/NDF:63.1/51

All: 0.014+/-0.021 χ^2/NDF: 106.2/97



Right In: 116.313+/-0.025 χ^2/NDF: 1954053.4/22

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 101.184+/-0.021 χ^2/NDF: 3361367.2/27

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

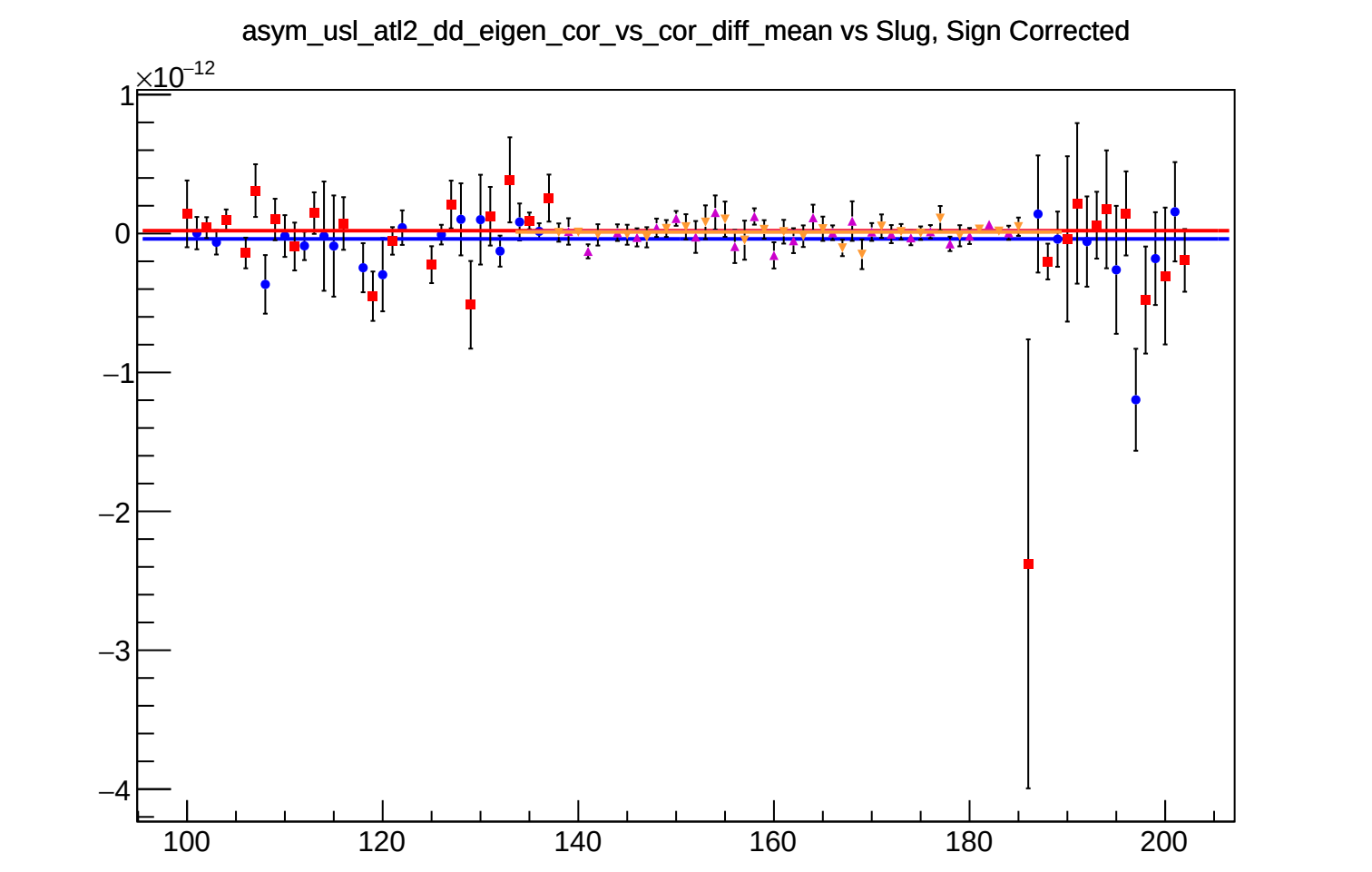
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 107.428+/-0.016 χ^2/NDF: 5529751.3/50

In: 148.560+/-0.023 χ^2/NDF:16048721.5/45

Out: 126.948+/-0.020 χ^2/NDF:20239385.6/51

All: 136.187+/-0.015 χ^2/NDF: 36810275.1/97



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.0/27

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

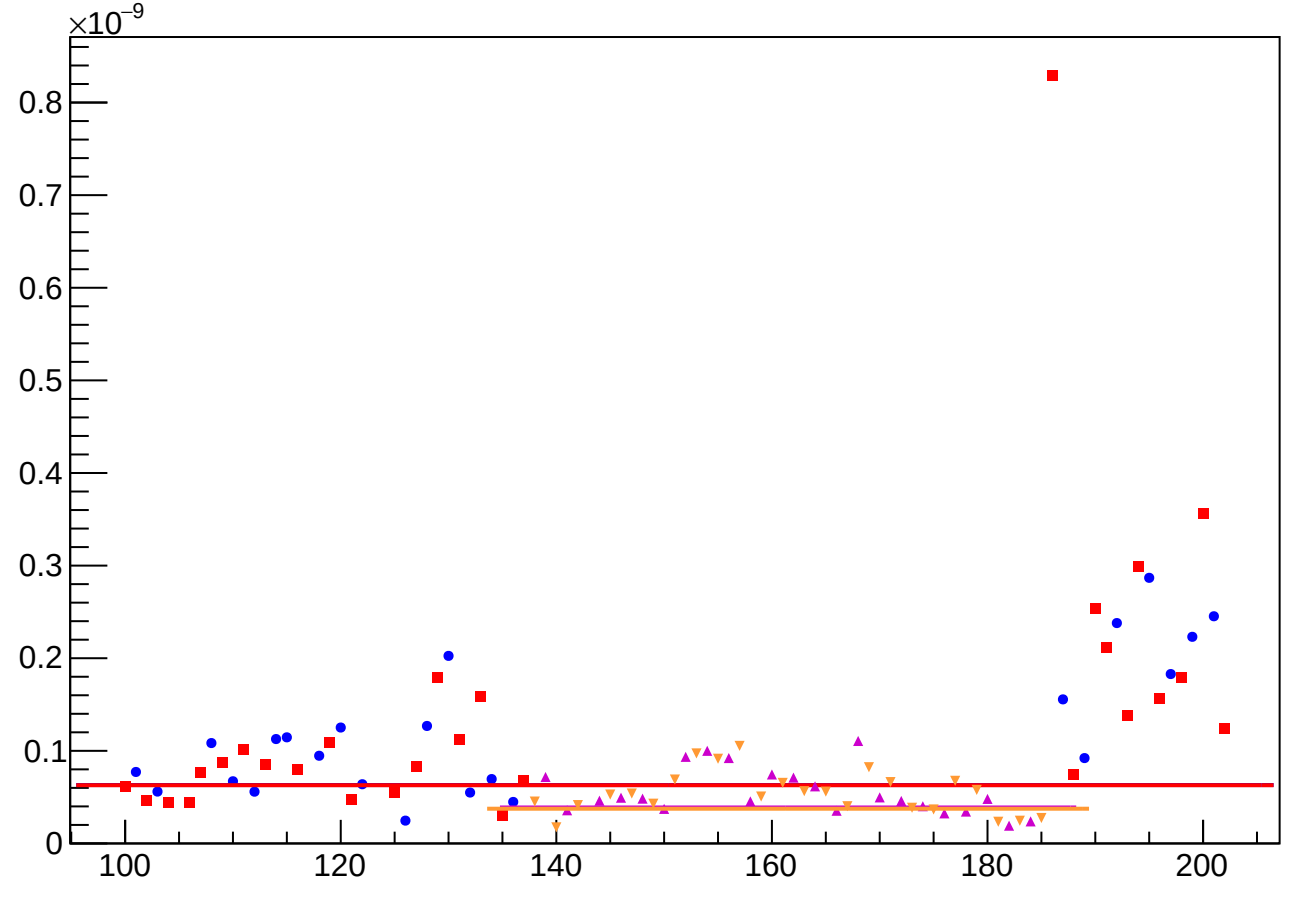
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 57.8/50

In: 0.000+/-0.000 χ^2/NDF:53.3/45

Out: 0.000+/-0.000 χ^2/NDF:46.7/51

All: 0.000+/-0.000 χ^2/NDF: 100.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 4069591.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4743868.3/27

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

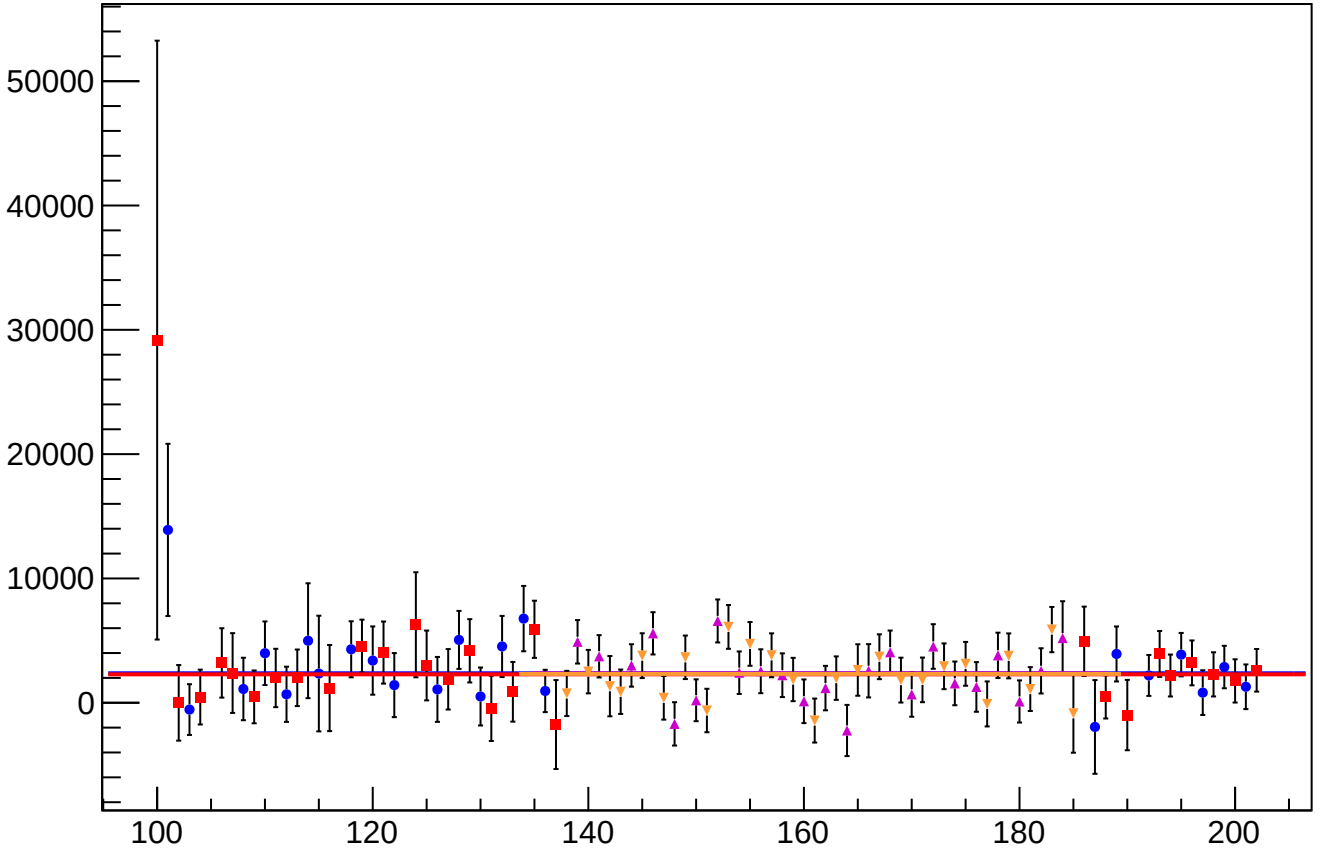
Right: 0.000+/-0.000 χ^2/NDF: 8813501.8/50

In: 0.000+/-0.000 χ^2/NDF:9857542.9/45

Out: 0.000+/-0.000 χ^2/NDF:11177364.6/51

All: 0.000+/-0.000 χ^2/NDF: 21041873.9/97

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2369.675+/-473.996 χ^2/NDF: 17.6/22

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2285.895+/-437.659 χ^2/NDF: 16.4/27

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

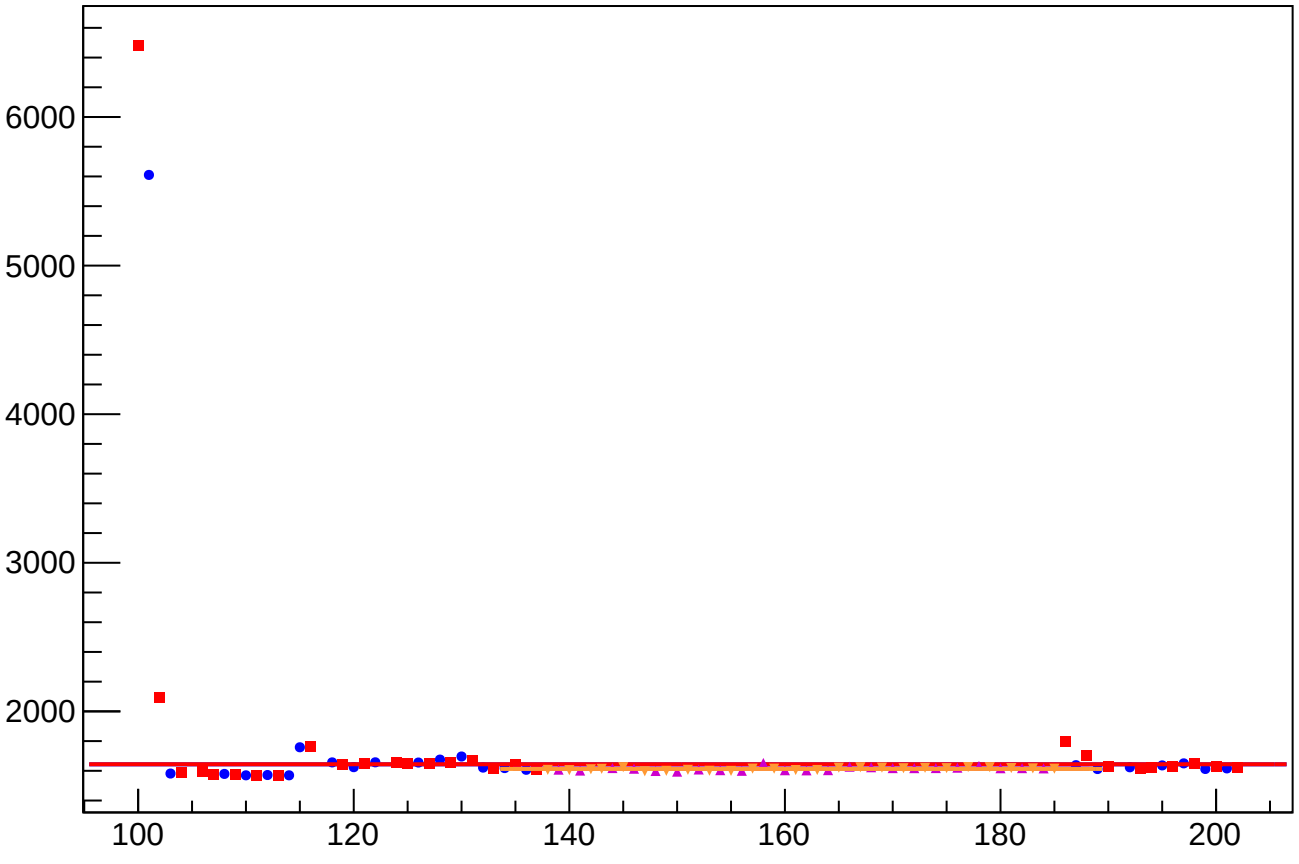
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2324.451+/-321.551 χ^2/NDF: 34.0/50

In: 2370.260+/-294.956 χ^2/NDF:51.3/45

Out: 2306.578+/-280.899 χ^2/NDF:43.9/52

All: 2336.865+/-203.414 χ^2/NDF: 95.2/98



Right In: 1643.437+/-0.335 χ^2/NDF: 668982.6/22

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.204+/-0.309 χ^2/NDF: 146451.9/27

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

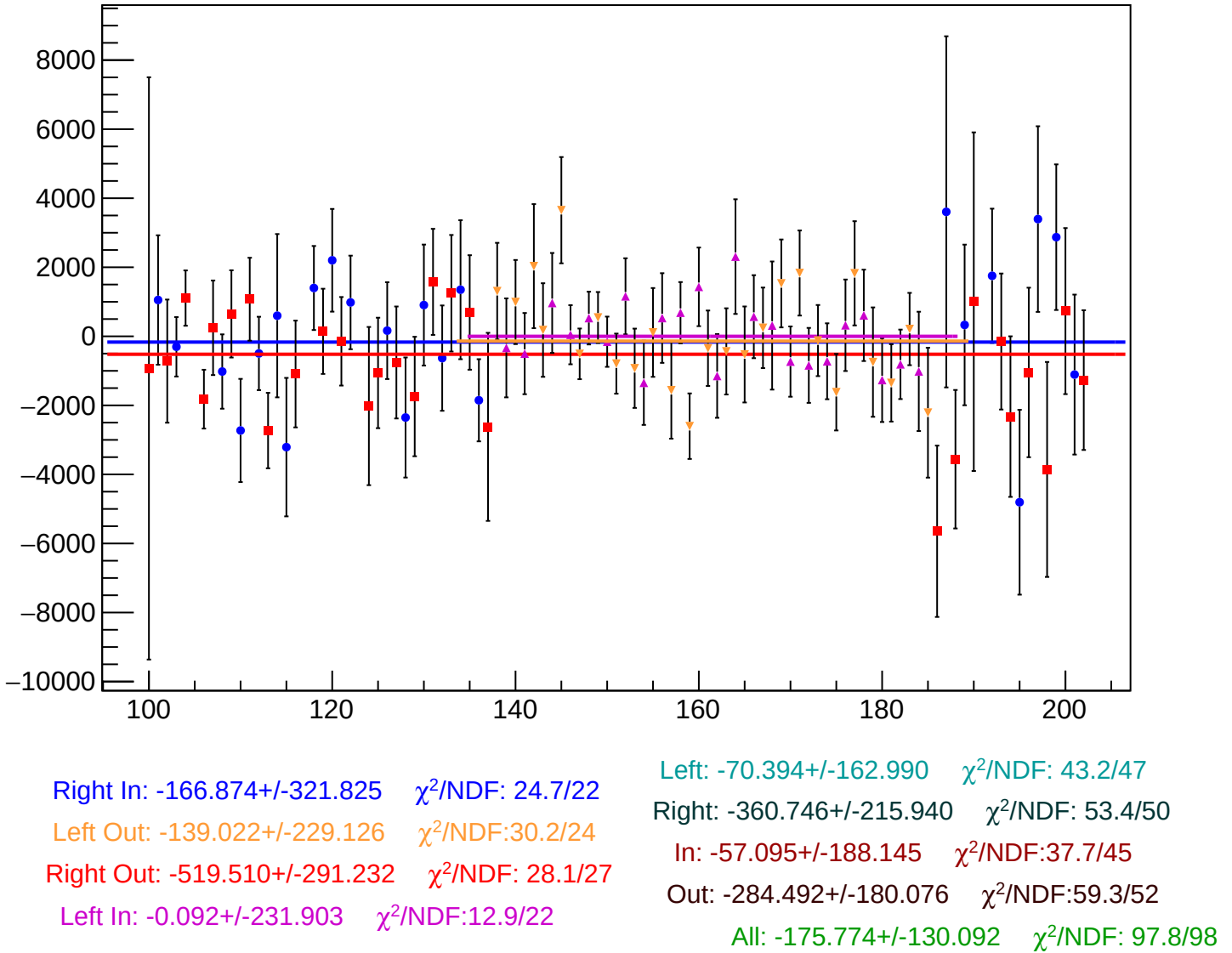
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

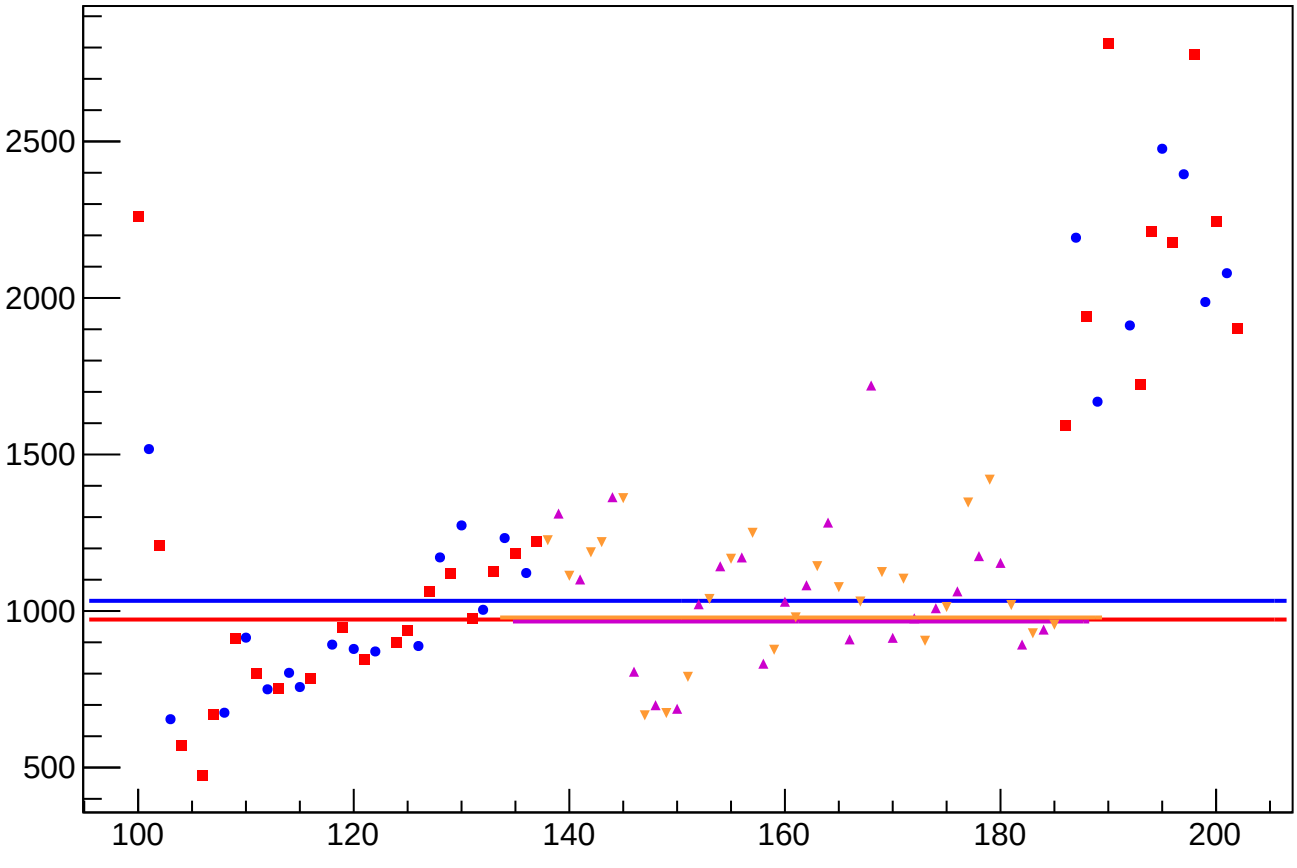
Right: 1643.851+/-0.227 χ^2/NDF: 815437.3/50

In: 1625.272+/-0.209 χ^2/NDF:676130.6/45

Out: 1625.623+/-0.199 χ^2/NDF:153754.4/52

All: 1625.456+/-0.144 χ^2/NDF: 829886.5/98


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
Right In: -166.874+/-321.825 χ²/NDF: 24.7/22
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: -519.510+/-291.232 χ²/NDF: 28.1/27
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -360.746+/-215.940 χ²/NDF: 53.4/50
In: -57.095+/-188.145 χ²/NDF:37.7/45
Out: -284.492+/-180.076 χ²/NDF:59.3/52
All: -175.774+/-130.092 χ²/NDF: 97.8/98



Right In: 1032.541+/-0.228 χ^2/NDF: 3707119.2/22

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 972.794+/-0.206 χ^2/NDF: 5501134.5/27

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

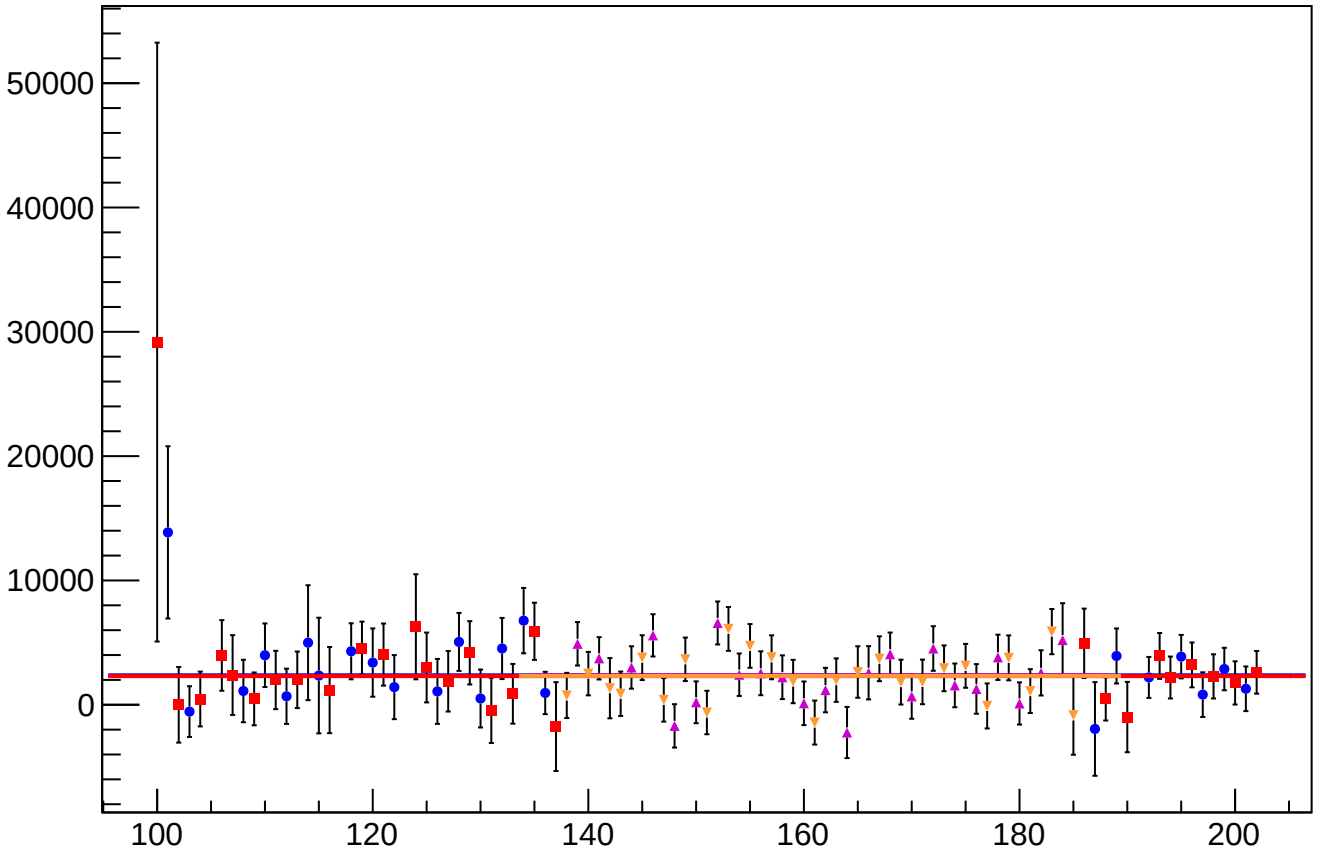
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 999.693+/-0.153 χ^2/NDF: 9246151.4/50

In: 989.089+/-0.133 χ^2/NDF:5365107.6/45

Out: 976.809+/-0.127 χ^2/NDF:7132373.2/52

All: 982.680+/-0.092 χ^2/NDF: 12501927.1/98



Right In: 2369.401+/-473.996 χ^2/NDF: 17.6/22

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2303.373+/-437.845 χ^2/NDF: 16.6/27

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

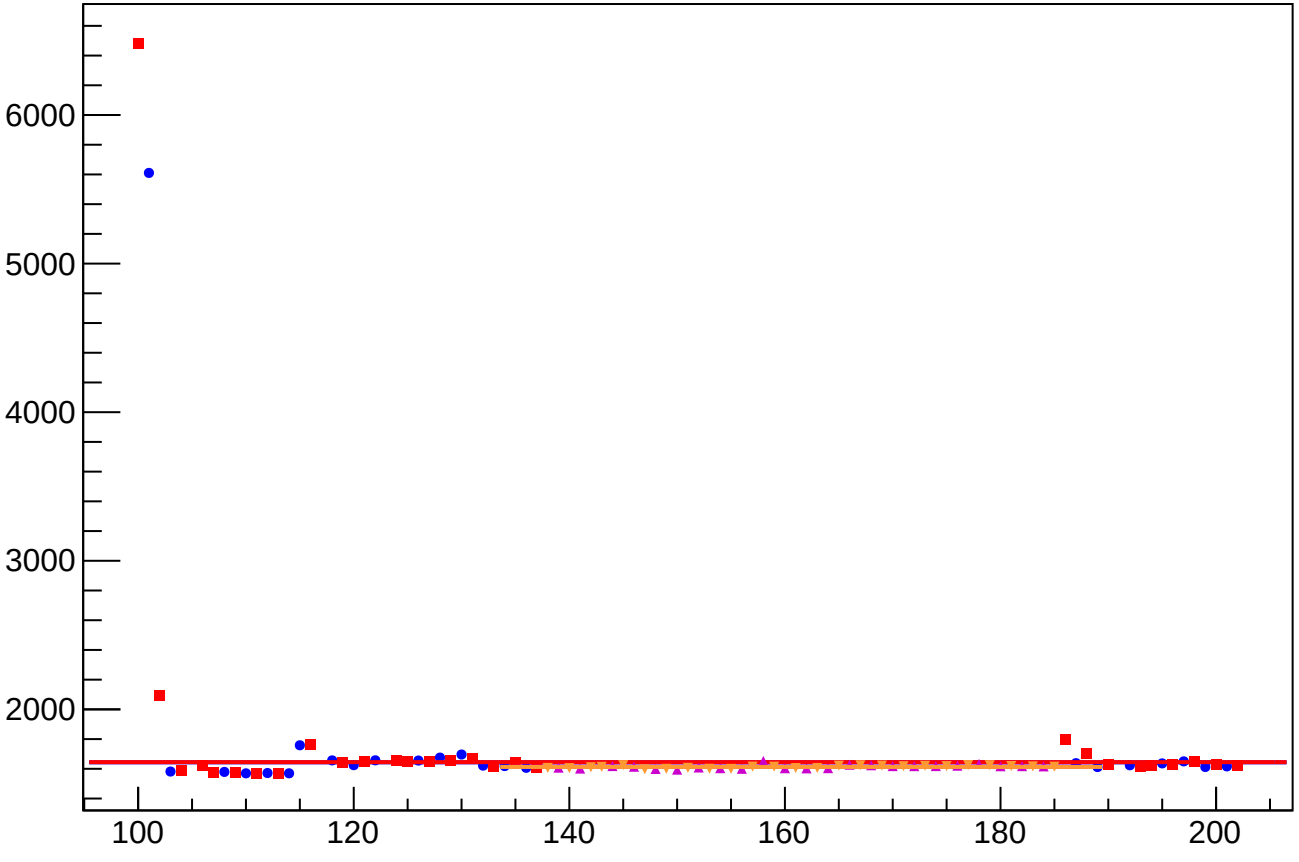
Right: 2333.773+/-321.625 χ^2/NDF: 34.2/50

In: 2370.197+/-294.956 χ^2/NDF:51.3/45

Out: 2313.757+/-280.948 χ^2/NDF:44.1/52

All: 2340.605+/-203.432 χ^2/NDF: 95.5/98

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1643.437+/-0.335 χ^2/NDF: 668982.1/22

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.876+/-0.310 χ^2/NDF: 145930.7/27

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

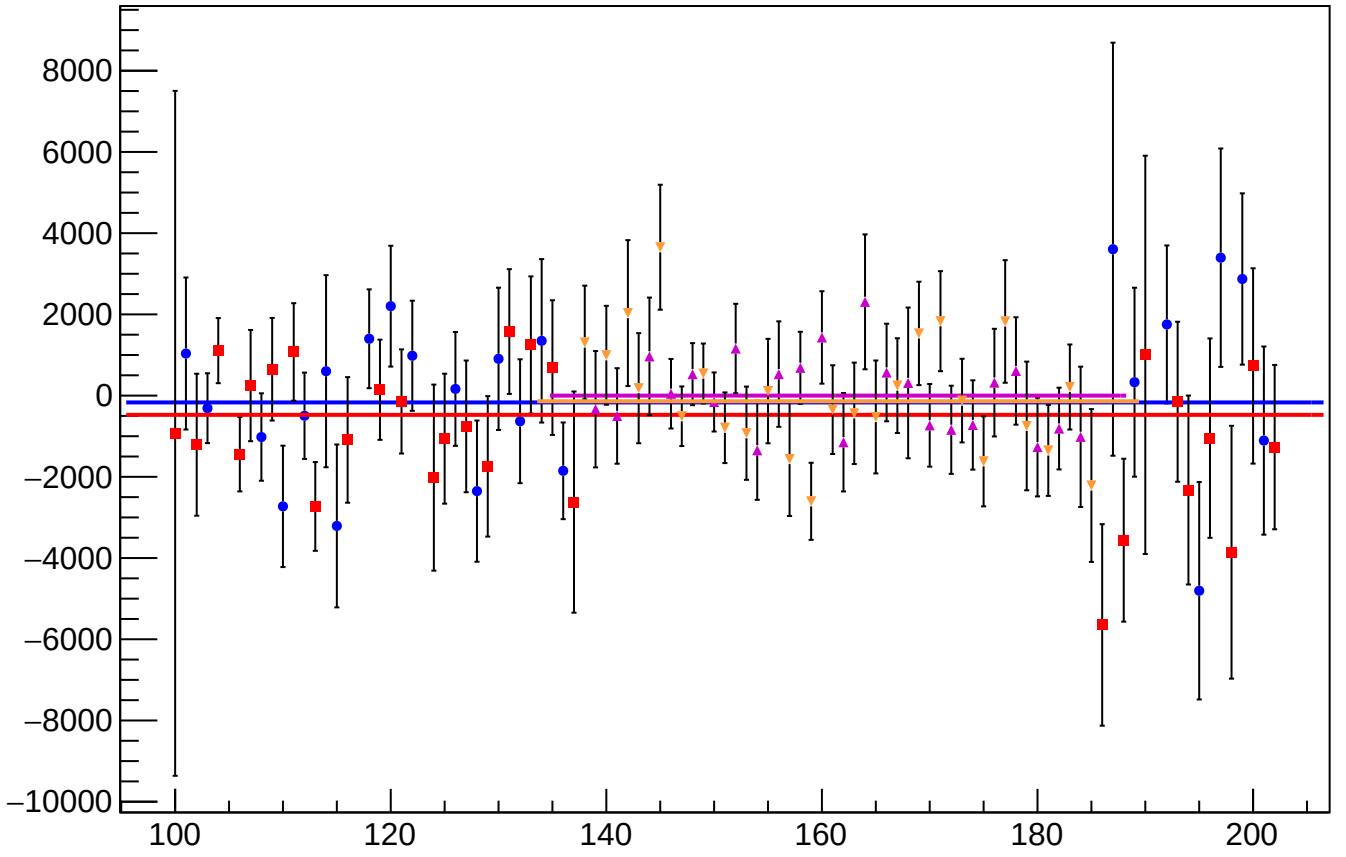
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1644.213+/-0.227 χ^2/NDF: 814922.8/50

In: 1625.272+/-0.209 χ^2/NDF:676130.1/45

Out: 1625.893+/-0.199 χ^2/NDF:153493.8/52

All: 1625.598+/-0.144 χ^2/NDF: 829628.5/98



Right In: -168.065+/-321.788 χ^2/NDF: 24.7/22

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -474.030+/-293.462 χ^2/NDF: 26.9/27

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

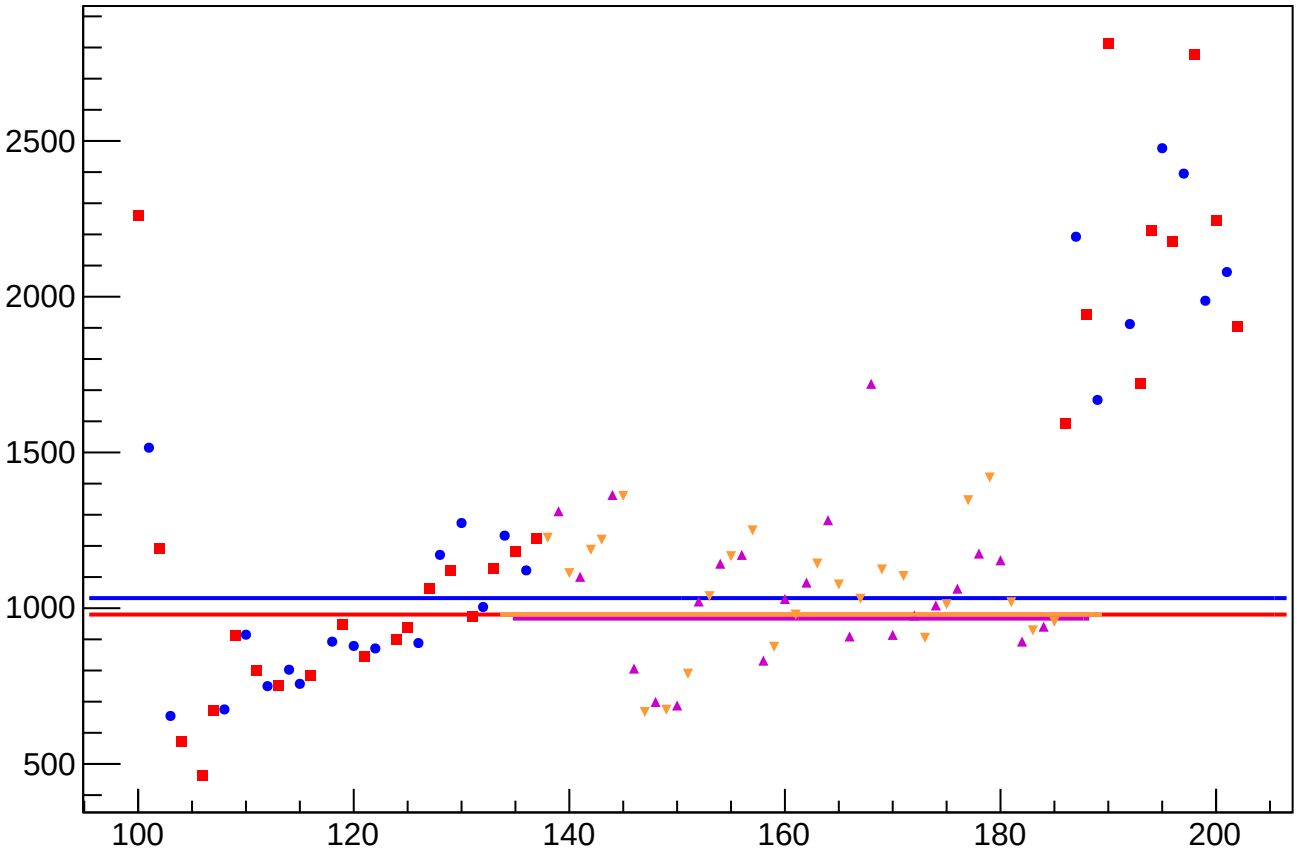
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -335.105+/-216.833 χ^2/NDF: 52.0/50

In: -57.495+/-188.138 χ^2/NDF:37.7/45

Out: -265.931+/-180.599 χ^2/NDF:57.8/52

All: -165.973+/-130.286 χ^2/NDF: 96.2/98



Right In: 1032.420+/-0.228 χ^2/NDF: 3707468.9/22

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 979.632+/-0.208 χ^2/NDF: 5427212.9/27

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

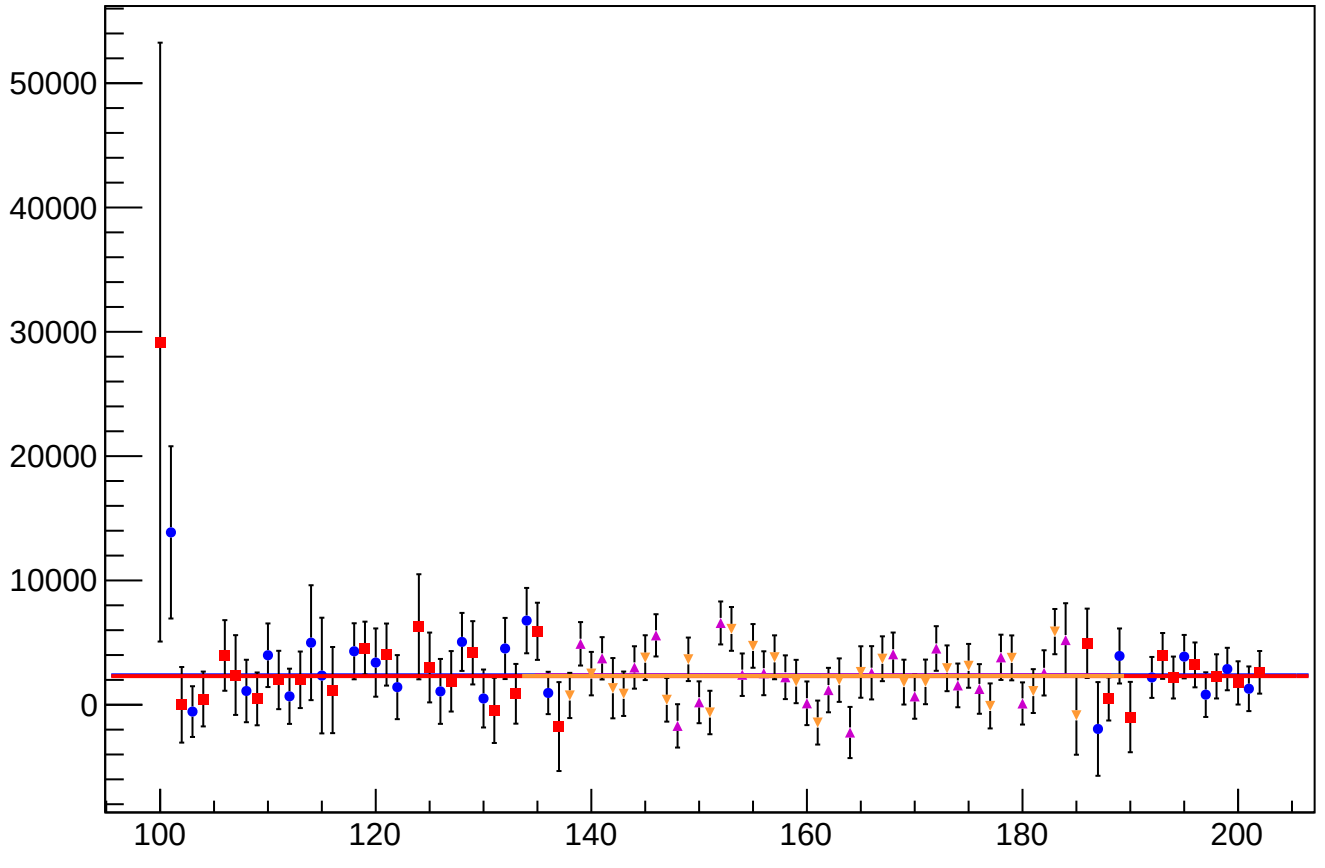
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1003.601+/-0.153 χ^2/NDF: 9164066.3/50

In: 989.054+/-0.133 χ^2/NDF:5365220.2/45

Out: 979.418+/-0.128 χ^2/NDF:7057945.8/52

All: 984.040+/-0.092 χ^2/NDF: 12425896.5/98



Right In: 2369.401+/-473.996 χ^2/NDF: 17.6/22

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2303.373+/-437.845 χ^2/NDF: 16.6/27

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

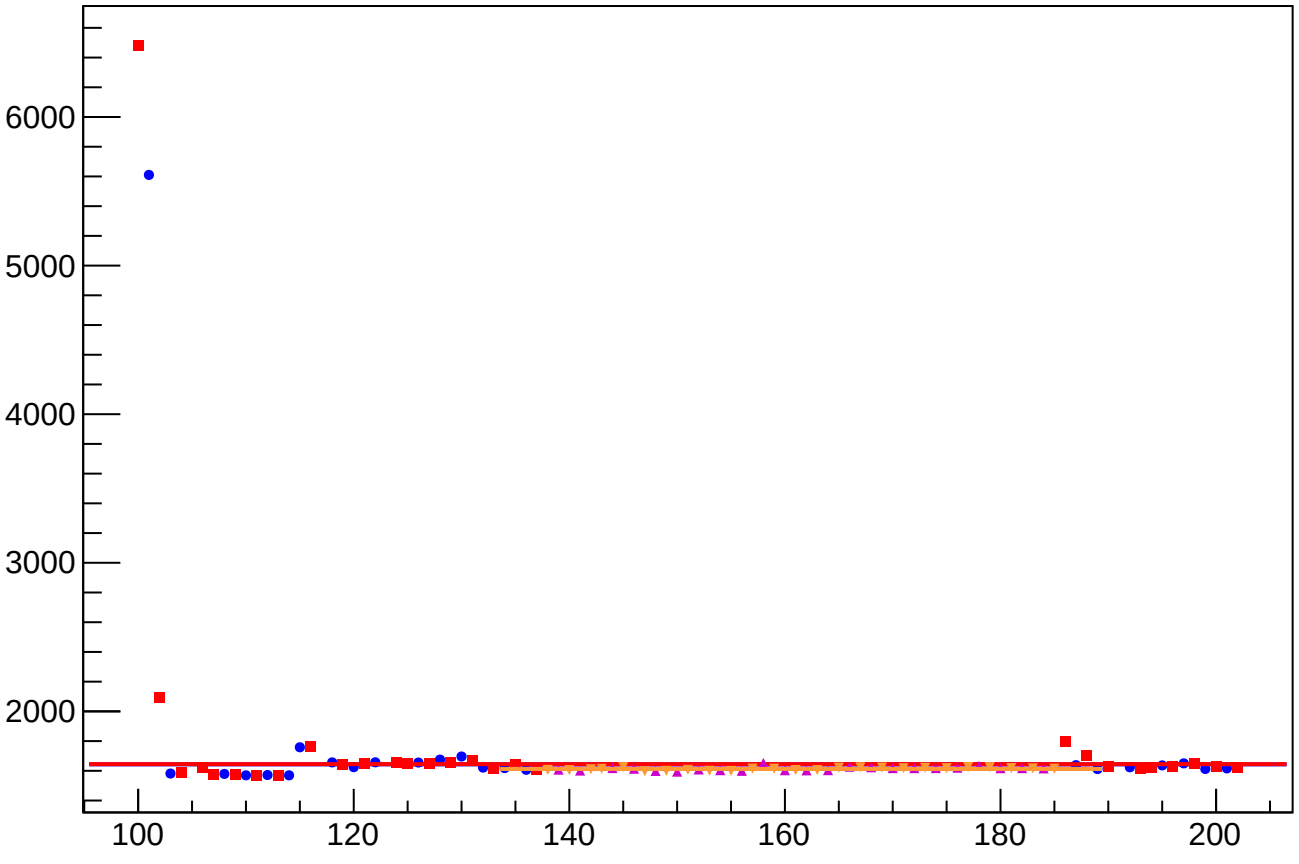
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2333.773+/-321.625 χ^2/NDF: 34.2/50

In: 2370.197+/-294.956 χ^2/NDF:51.3/45

Out: 2313.757+/-280.948 χ^2/NDF:44.1/52

All: 2340.605+/-203.432 χ^2/NDF: 95.5/98



Right In: 1643.437+/-0.335 χ^2/NDF: 668982.1/22

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.876+/-0.310 χ^2/NDF: 145930.7/27

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

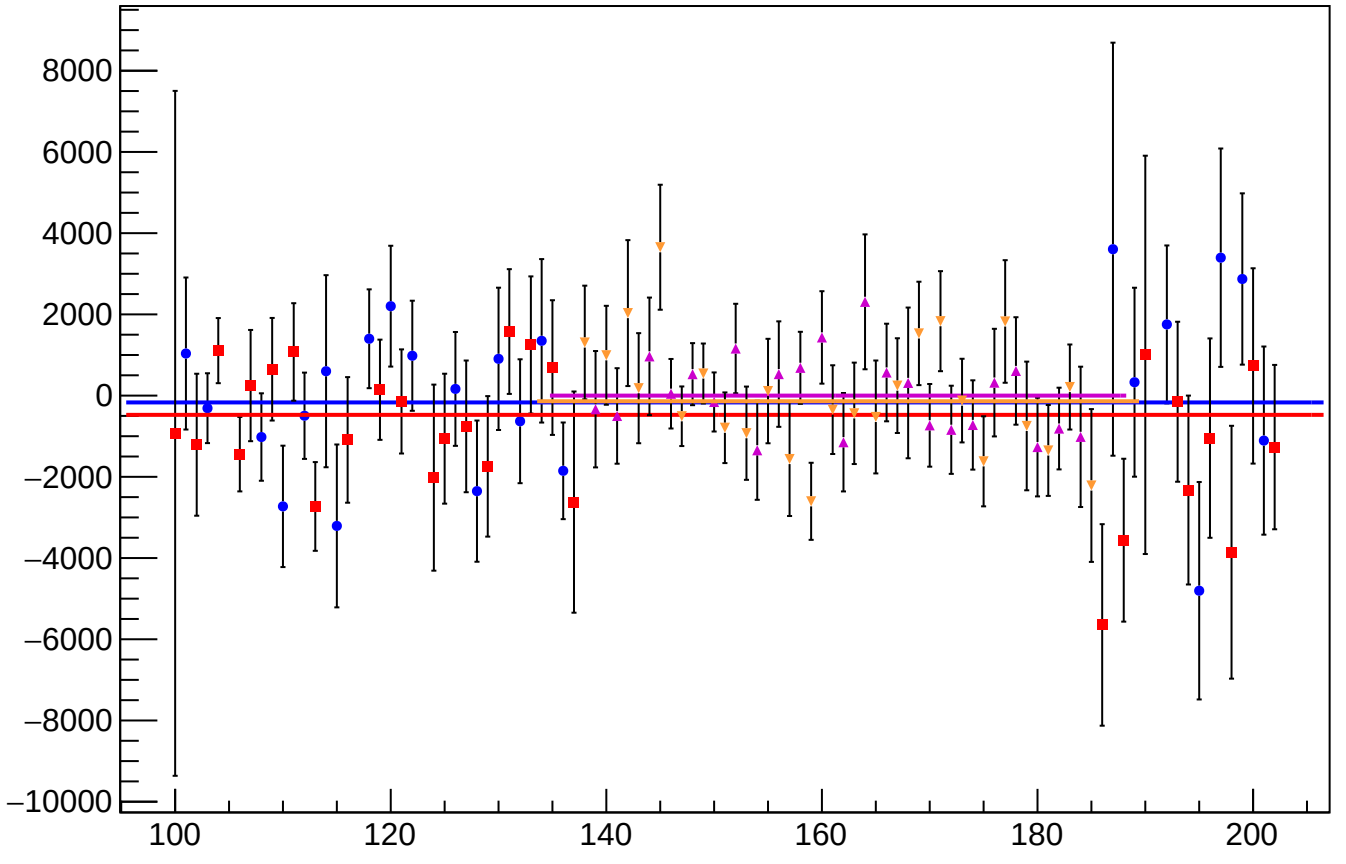
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1644.213+/-0.227 χ^2/NDF: 814922.8/50

In: 1625.272+/-0.209 χ^2/NDF:676130.1/45

Out: 1625.893+/-0.199 χ^2/NDF:153493.8/52

All: 1625.598+/-0.144 χ^2/NDF: 829628.5/98



Right In: -168.065+/-321.788 χ^2/NDF: 24.7/22

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -474.030+/-293.462 χ^2/NDF: 26.9/27

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

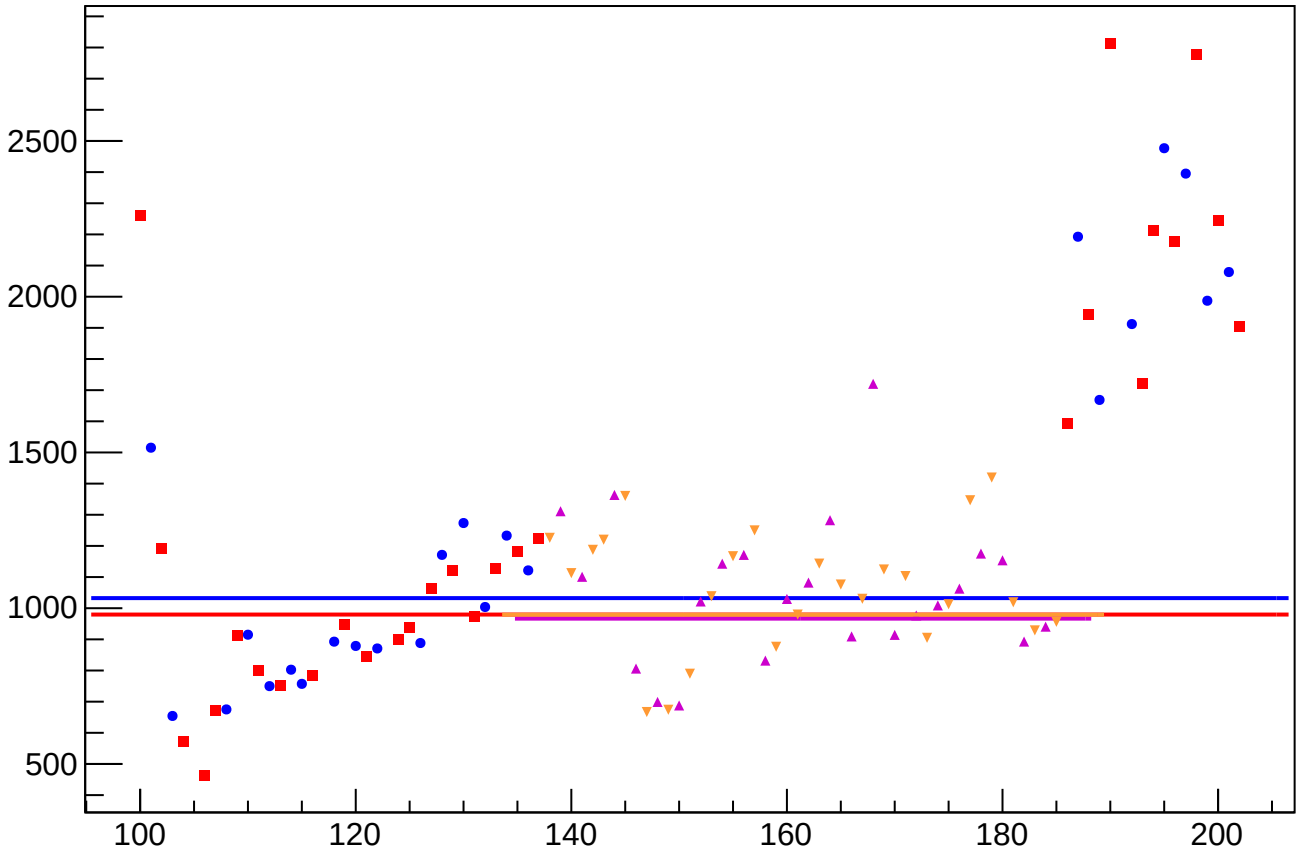
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -335.105+/-216.833 χ^2/NDF: 52.0/50

In: -57.495+/-188.138 χ^2/NDF:37.7/45

Out: -265.931+/-180.599 χ^2/NDF:57.8/52

All: -165.973+/-130.286 χ^2/NDF: 96.2/98



Right In: 1032.420+/-0.228 χ^2/NDF: 3707468.9/22

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 979.632+/-0.208 χ^2/NDF: 5427212.9/27

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

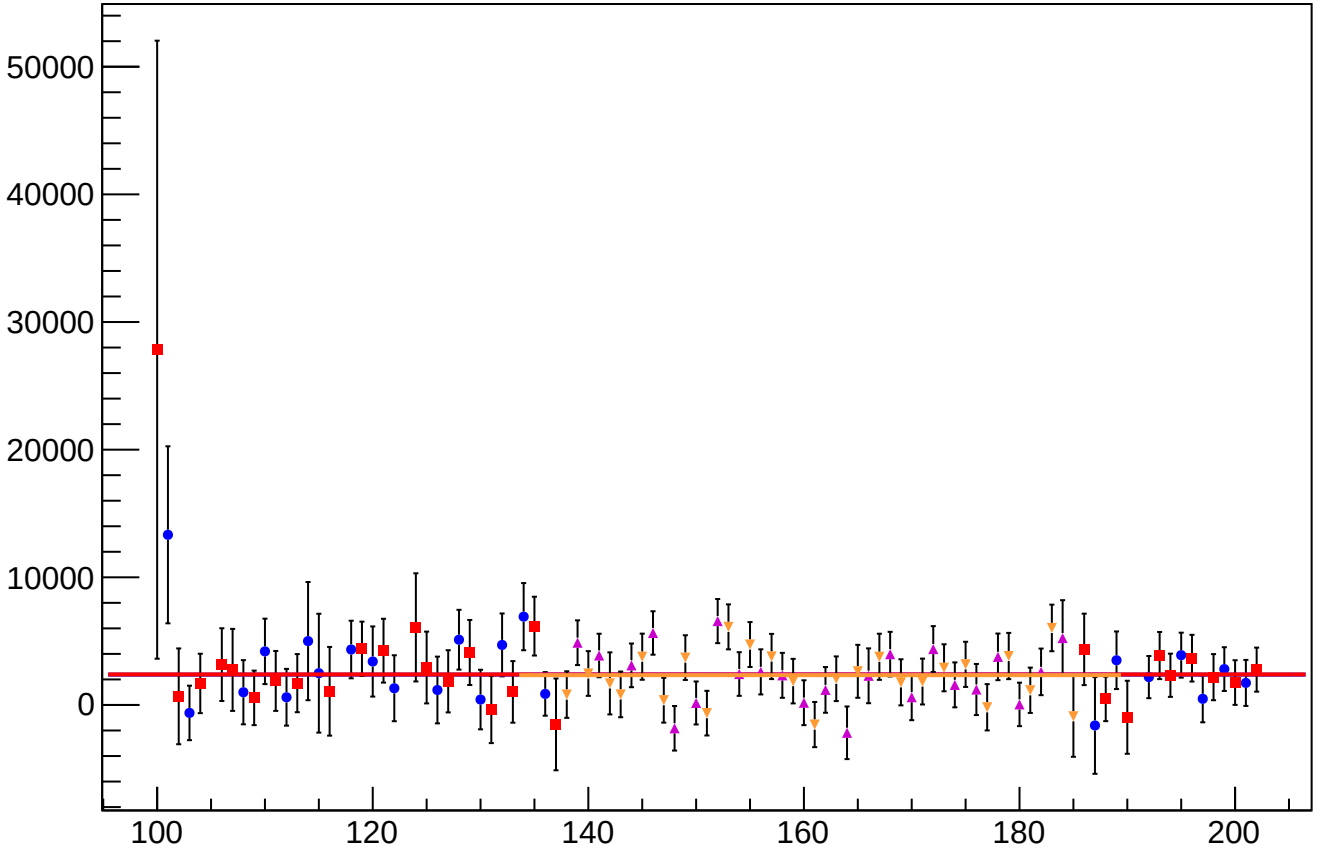
Right: 1003.601+/-0.153 χ^2/NDF: 9164066.3/50

In: 989.054+/-0.133 χ^2/NDF:5365220.2/45

Out: 979.418+/-0.128 χ^2/NDF:7057945.8/52

All: 984.040+/-0.092 χ^2/NDF: 12425896.5/98

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2376.406+/-477.451 χ^2/NDF: 17.6/22

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2392.200+/-442.264 χ^2/NDF: 15.0/27

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

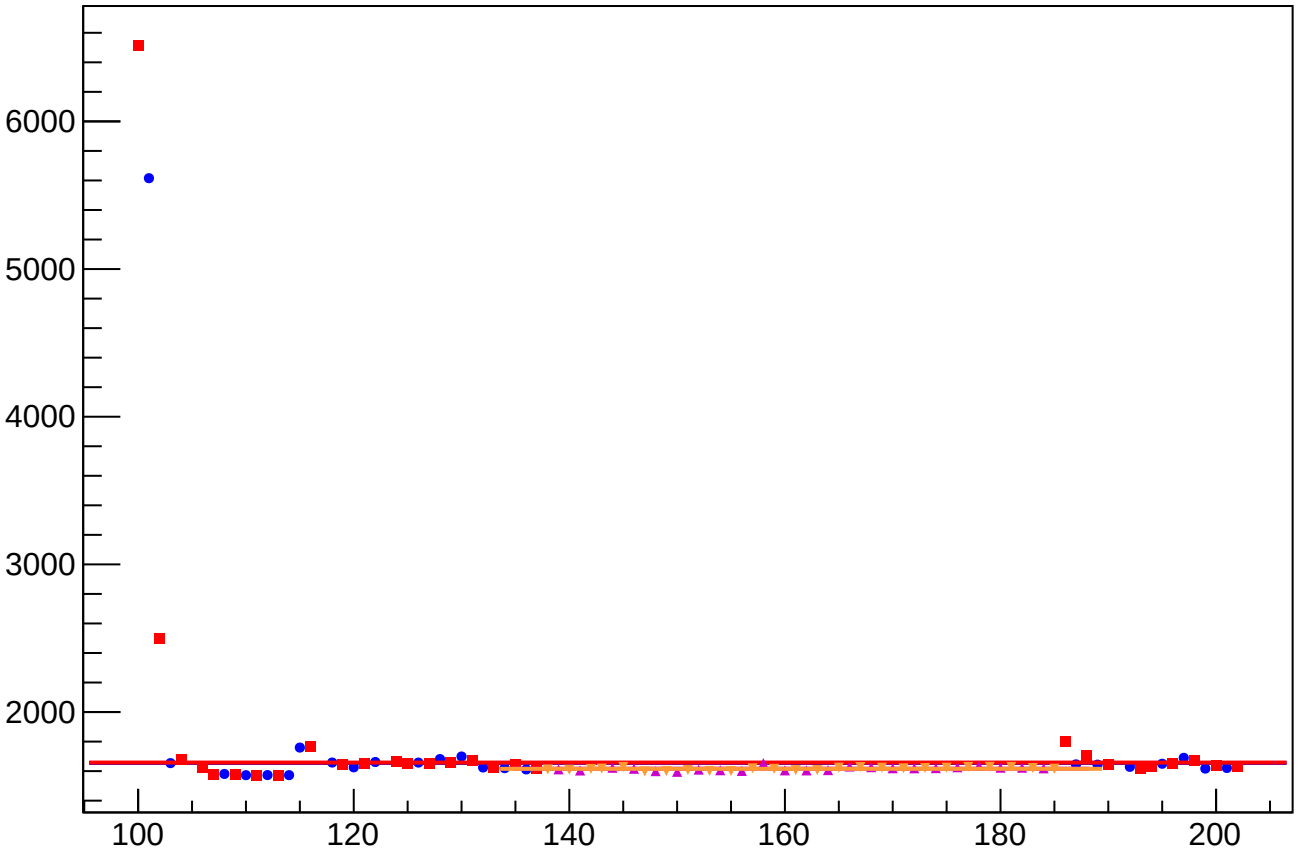
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2384.906+/-324.455 χ^2/NDF: 32.6/50

In: 2366.486+/-296.074 χ^2/NDF:51.6/45

Out: 2358.230+/-282.420 χ^2/NDF:43.2/52

All: 2362.164+/-204.358 χ^2/NDF: 94.9/98



Right In: 1655.317+/-0.338 χ^2/NDF: 666526.9/22

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1657.830+/-0.313 χ^2/NDF: 202460.1/27

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

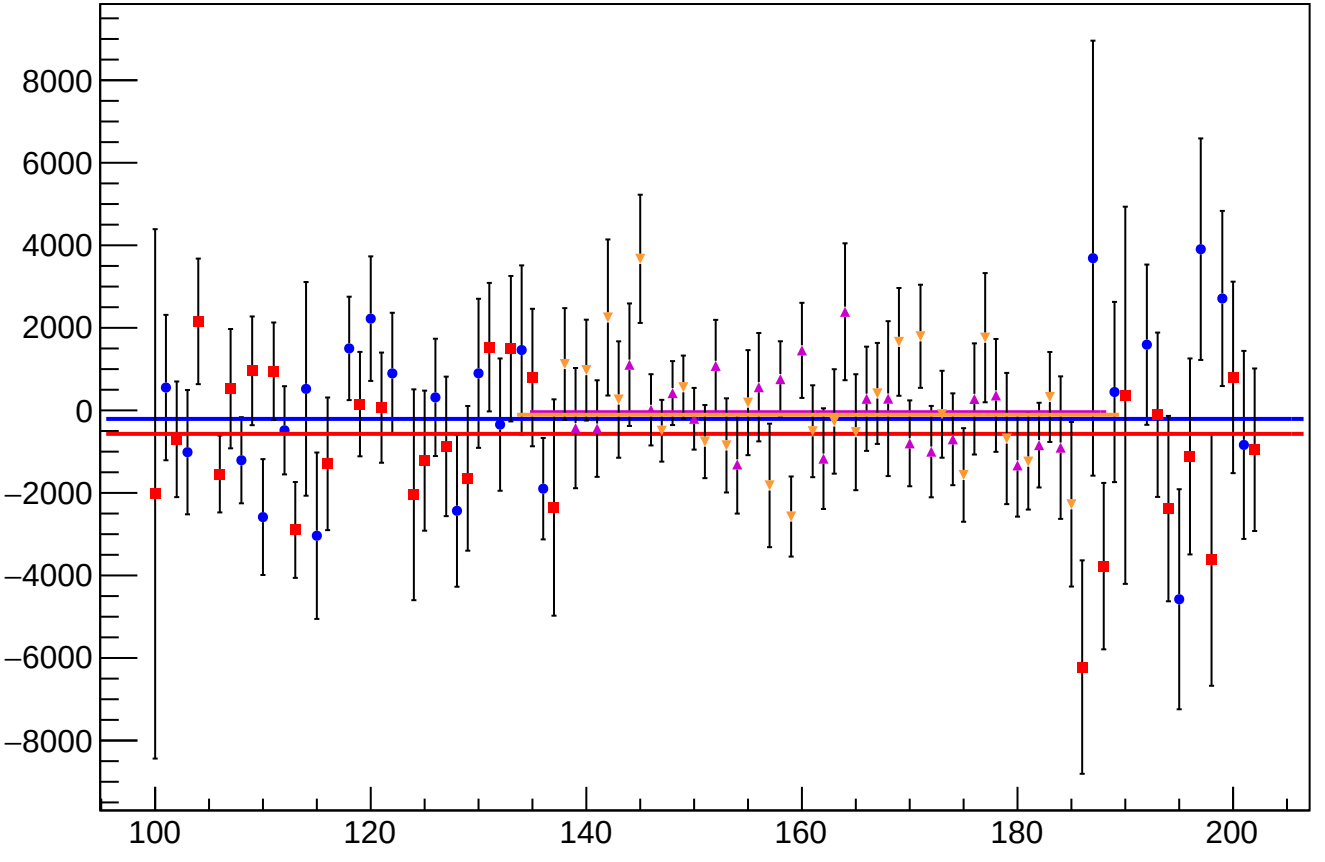
Right: 1656.670+/-0.229 χ^2/NDF: 869016.9/50

In: 1631.341+/-0.209 χ^2/NDF:677279.1/45

Out: 1632.840+/-0.200 χ^2/NDF:214689.8/52

All: 1632.126+/-0.145 χ^2/NDF: 891995.8/98

asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -207.109+/-341.163 χ^2/NDF: 24.4/22

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -569.041+/-312.492 χ^2/NDF: 27.4/27

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

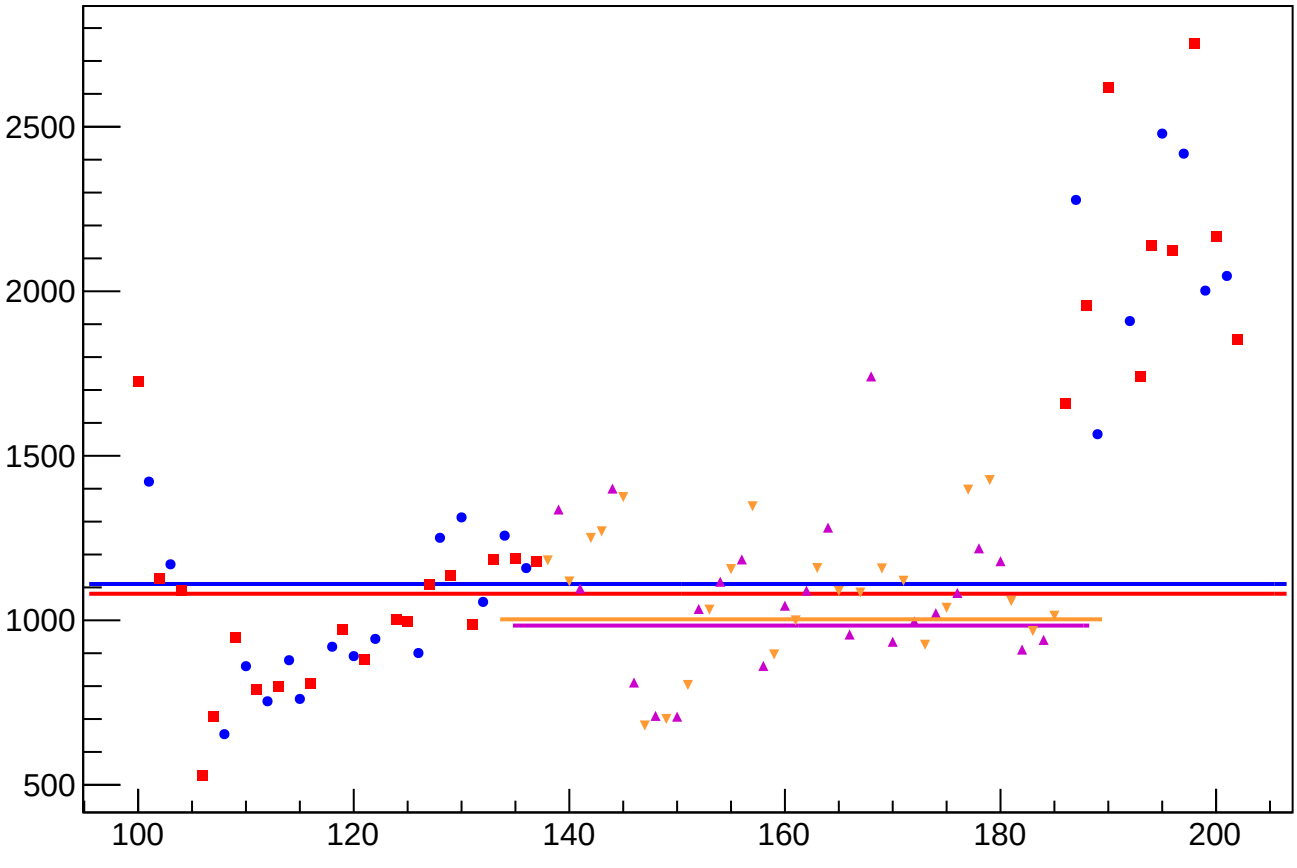
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -403.920+/-230.436 χ^2/NDF: 52.4/50

In: -97.026+/-193.939 χ^2/NDF:37.4/45

Out: -272.854+/-187.463 χ^2/NDF:57.8/52

All: -187.925+/-134.788 χ^2/NDF: 95.6/98



Right In: 1110.429+/-0.241 χ^2/NDF: 3237333.2/22

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1080.765+/-0.221 χ^2/NDF: 4370221.7/27

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

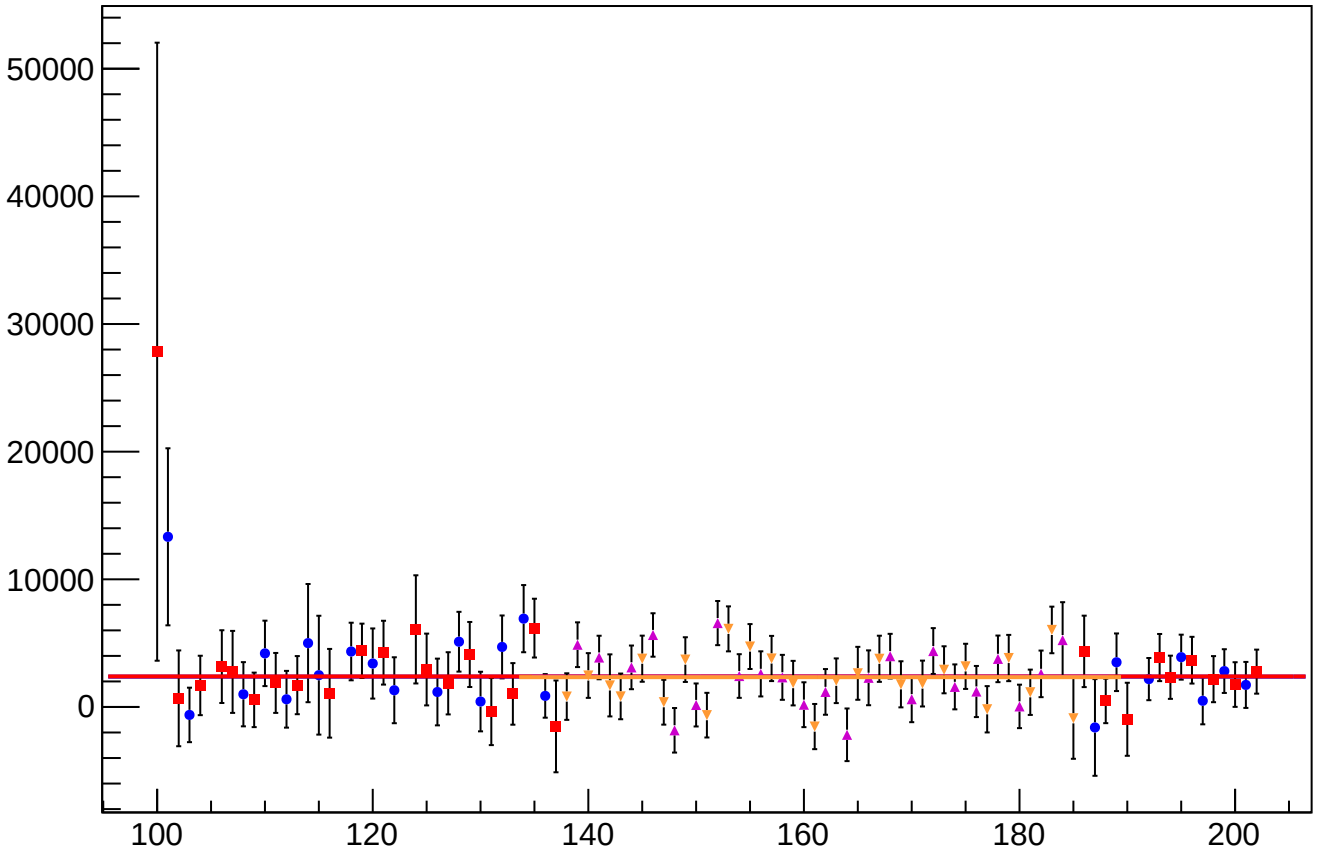
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1094.298+/-0.163 χ^2/NDF: 7615776.6/50

In: 1024.892+/-0.137 χ^2/NDF:4982641.1/45

Out: 1031.051+/-0.133 χ^2/NDF:6047716.0/52

All: 1028.076+/-0.095 χ^2/NDF: 11031399.8/9



Right In: 2376.405+/-477.450 χ^2/NDF: 17.6/22

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2392.197+/-442.264 χ^2/NDF: 15.0/27

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

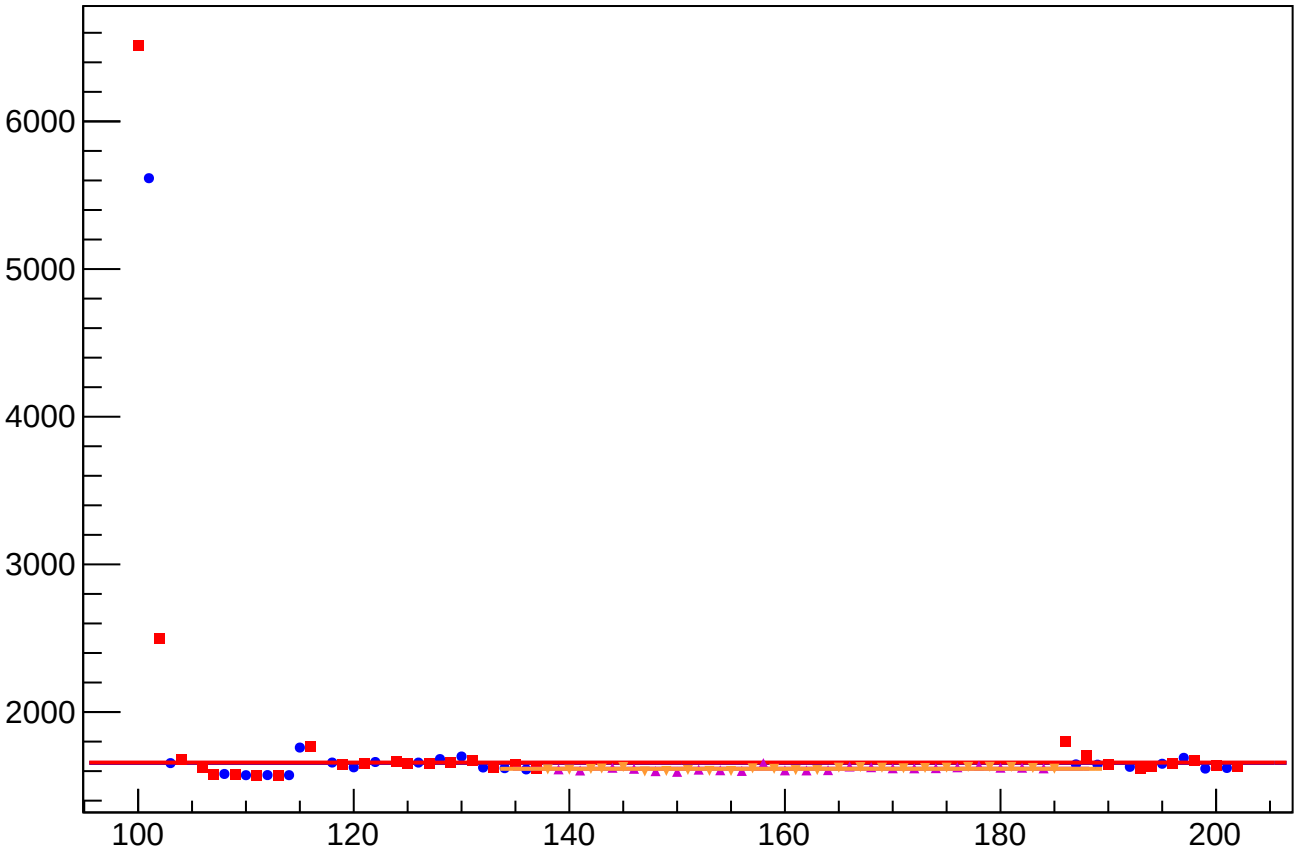
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2384.904+/-324.455 χ^2/NDF: 32.6/50

In: 2366.486+/-296.074 χ^2/NDF:51.6/45

Out: 2358.229+/-282.420 χ^2/NDF:43.2/52

All: 2362.163+/-204.358 χ^2/NDF: 94.9/98



Right In: 1655.317+/-0.338 χ^2/NDF: 666526.9/22

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1657.830+/-0.313 χ^2/NDF: 202460.0/27

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

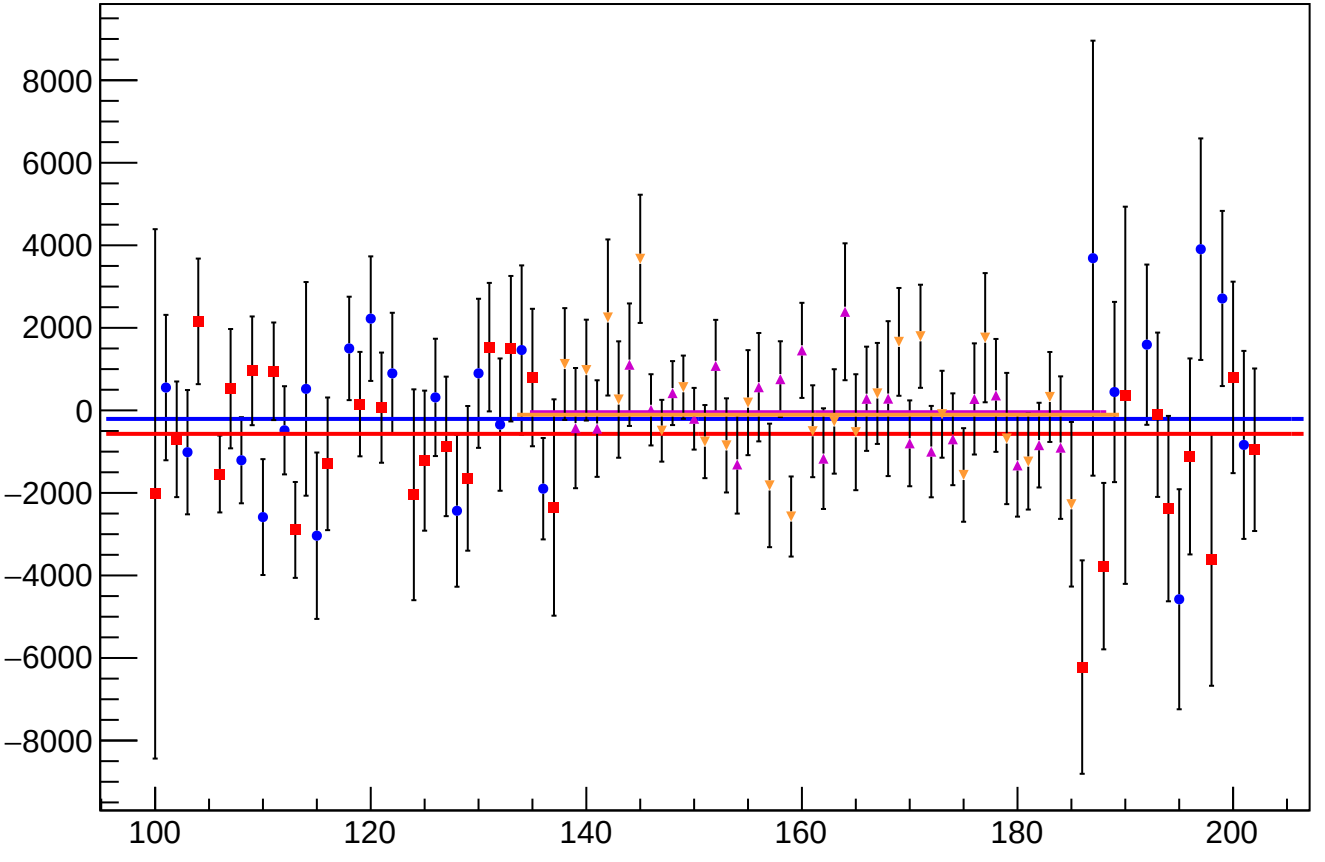
Right: 1656.670+/-0.229 χ^2/NDF: 869016.7/50

In: 1631.341+/-0.209 χ^2/NDF:677279.1/45

Out: 1632.840+/-0.200 χ^2/NDF:214689.6/52

All: 1632.126+/-0.145 χ^2/NDF: 891995.5/98

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -207.110+/-341.162 χ^2/NDF: 24.4/22

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -569.039+/-312.491 χ^2/NDF: 27.4/27

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

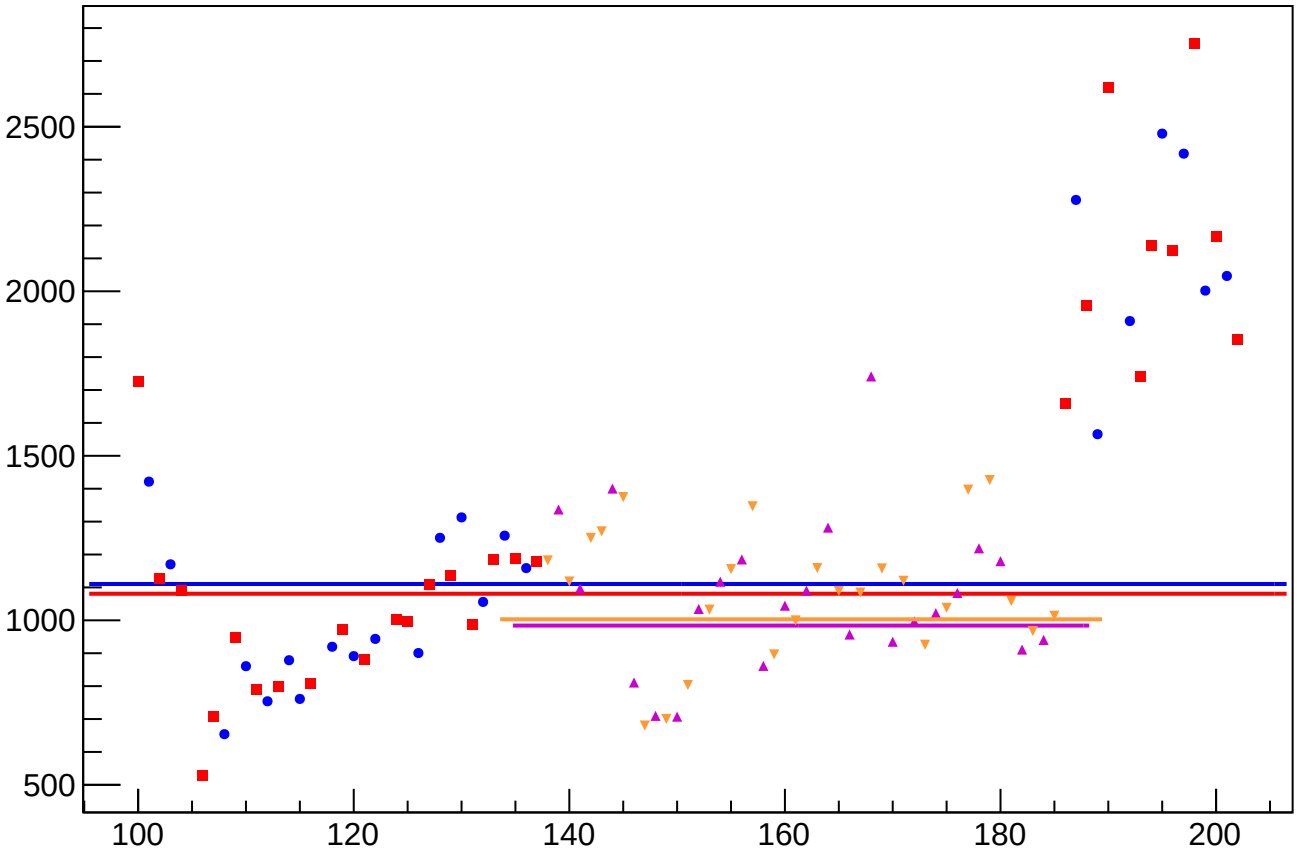
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -403.919+/-230.435 χ^2/NDF: 52.4/50

In: -97.027+/-193.939 χ^2/NDF:37.4/45

Out: -272.855+/-187.463 χ^2/NDF:57.8/52

All: -187.926+/-134.788 χ^2/NDF: 95.6/98



Right In: 1110.424+/-0.241 χ^2/NDF: 3237368.5/22

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1080.762+/-0.221 χ^2/NDF: 4370247.3/27

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

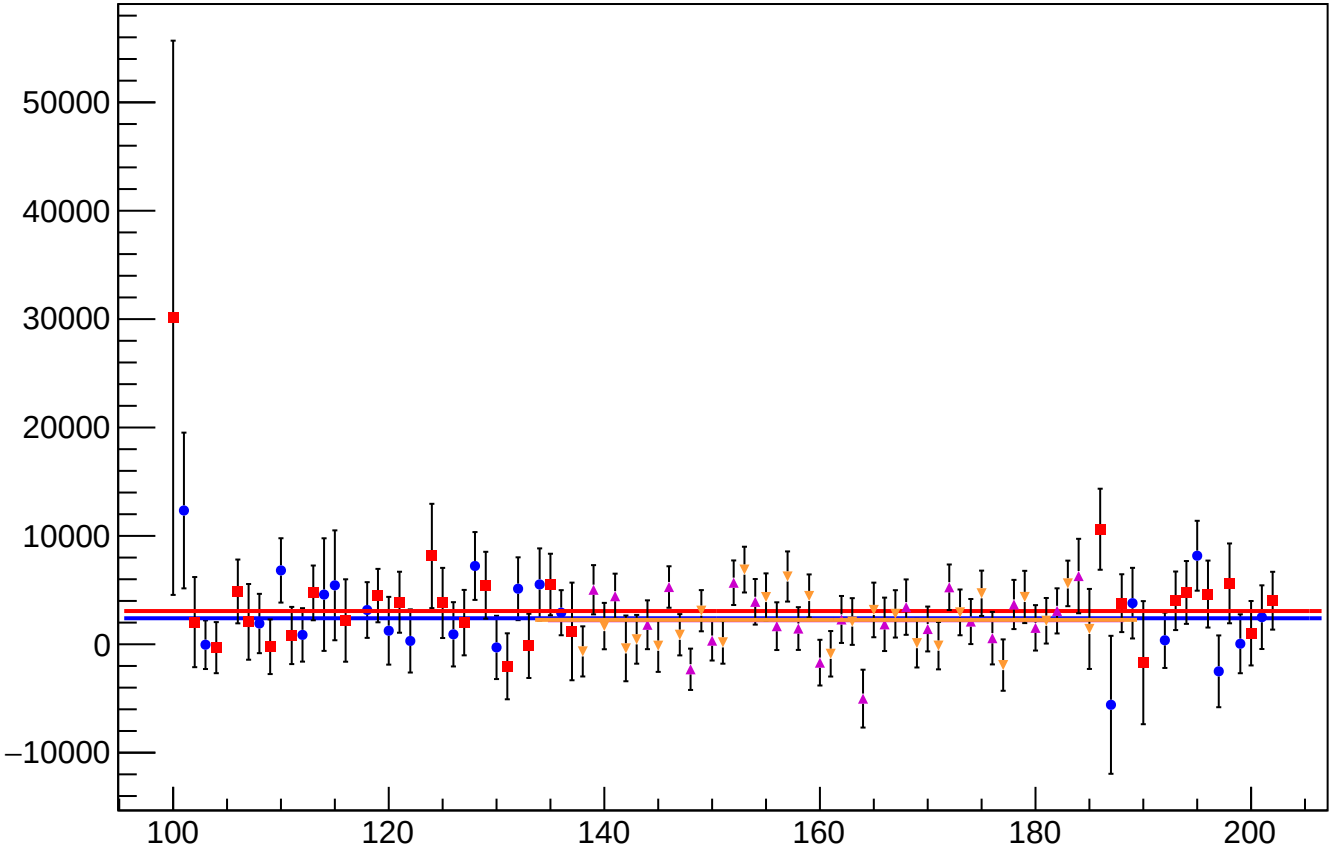
Right: 1094.295+/-0.163 χ^2/NDF: 7615836.9/50

In: 1024.892+/-0.137 χ^2/NDF:4982660.7/45

Out: 1031.051+/-0.133 χ^2/NDF:6047733.5/52

All: 1028.076+/-0.095 χ^2/NDF: 11031436.9/9

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2400.606+/-624.839 χ^2/NDF: 20.8/22

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3066.227+/-583.696 χ^2/NDF: 20.5/27

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

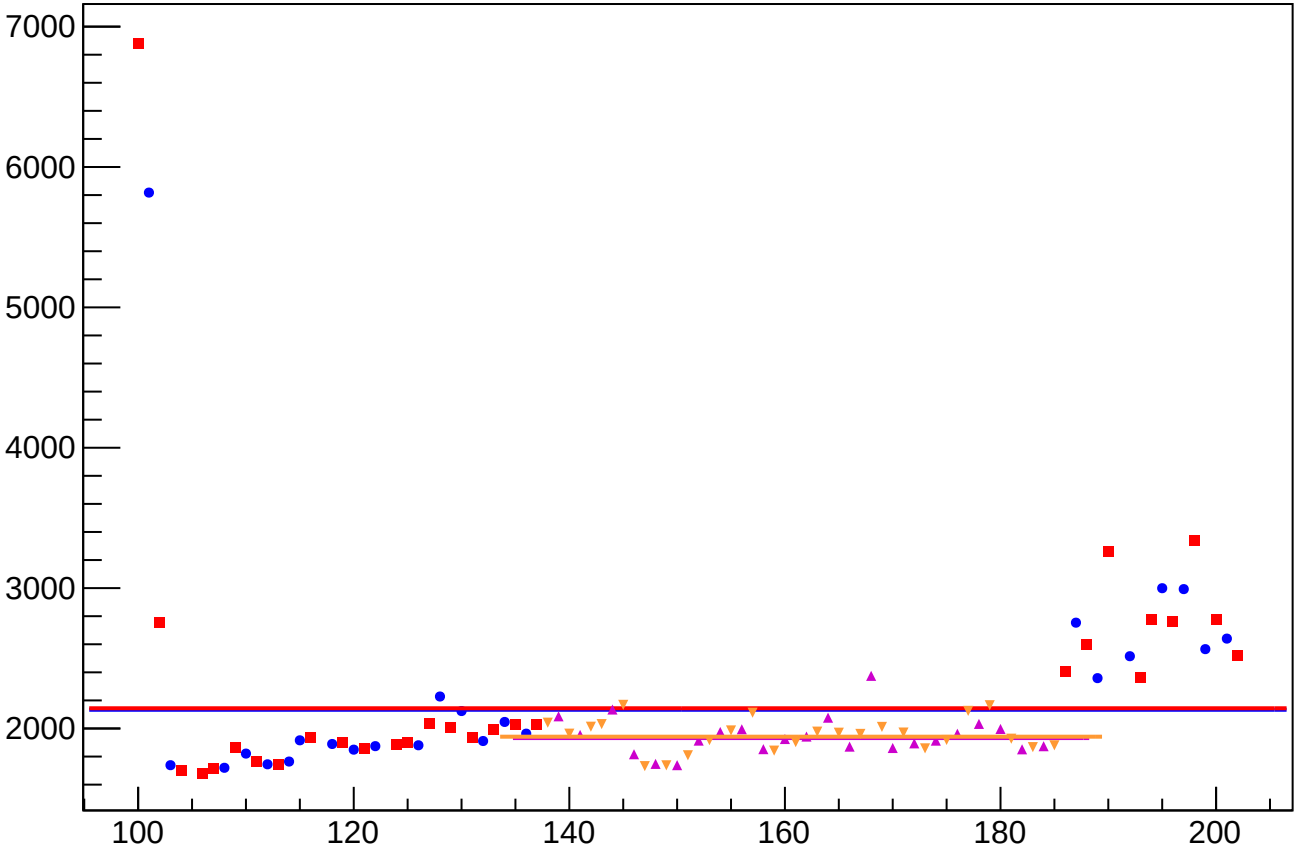
Right: 2756.051+/-426.539 χ^2/NDF: 41.9/50

In: 2281.701+/-366.377 χ^2/NDF:52.4/45

Out: 2549.161+/-352.479 χ^2/NDF:50.0/52

All: 2420.600+/-254.011 χ^2/NDF: 102.7/98

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2133.304+/-0.442 χ^2/NDF: 1274704.8/22

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2144.042+/-0.413 χ^2/NDF: 1146460.6/27

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

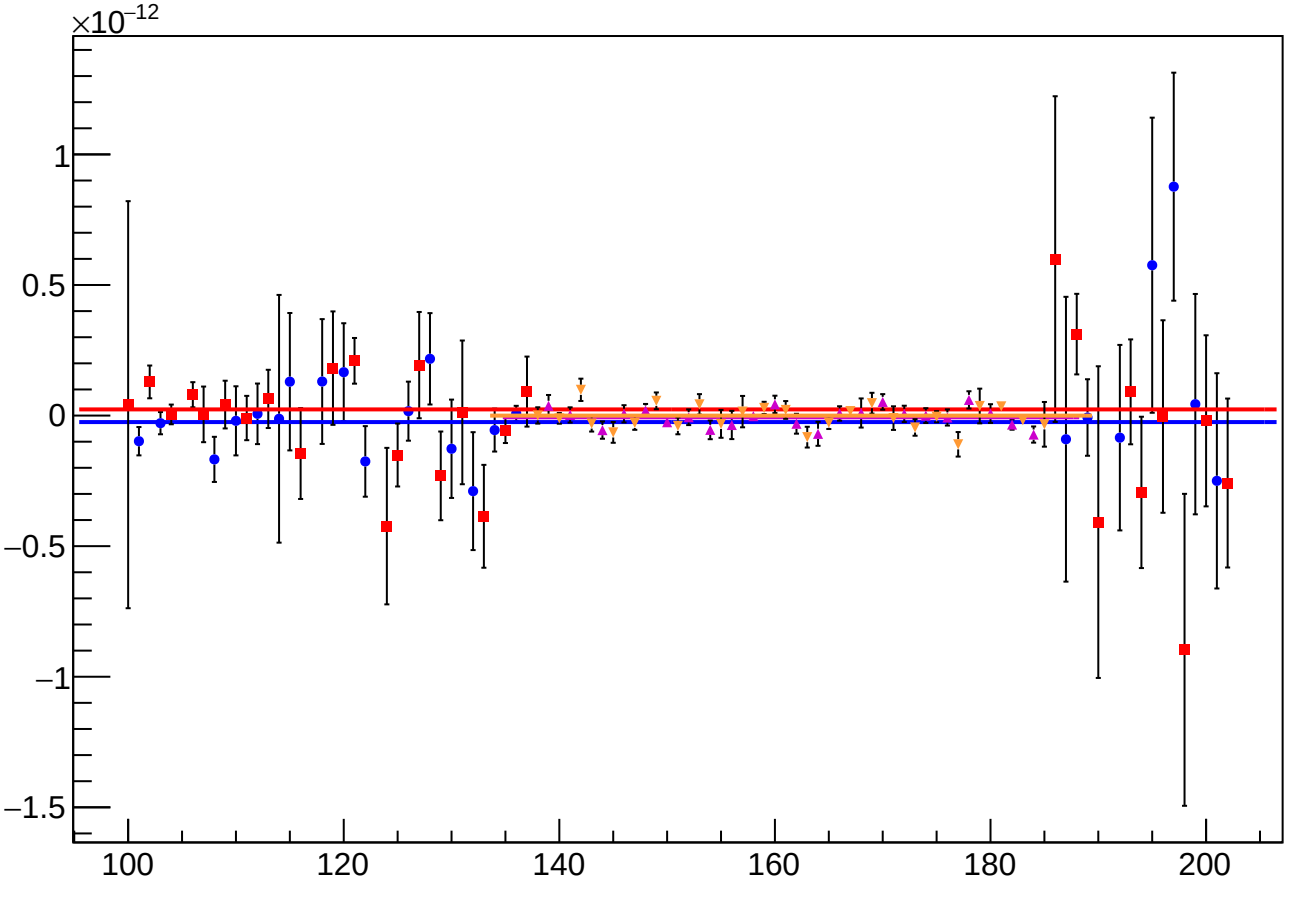
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2139.038+/-0.302 χ^2/NDF: 2421480.9/50

In: 2001.087+/-0.259 χ^2/NDF:1571052.2/45

Out: 2015.413+/-0.249 χ^2/NDF:1438346.4/52

All: 2008.527+/-0.180 χ^2/NDF: 3010986.5/98



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/27

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

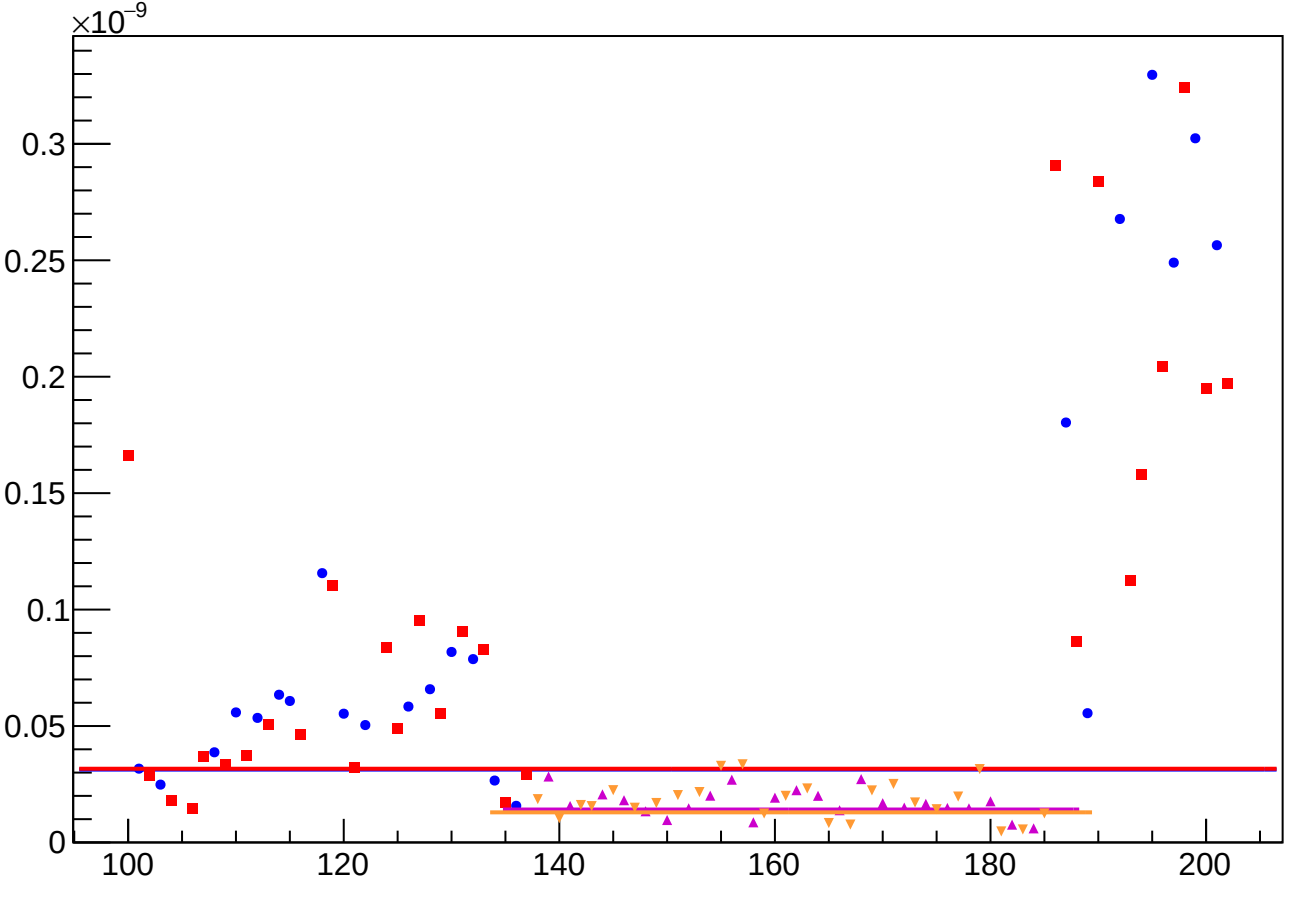
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 56.6/50

In: -0.000+/-0.000 χ^2/NDF:46.9/45

Out: 0.000+/-0.000 χ^2/NDF:76.5/52

All: -0.000+/-0.000 χ^2/NDF: 125.0/98



Right In: 0.000+/-0.000 χ^2/NDF: 5111454.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5268430.0/27

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

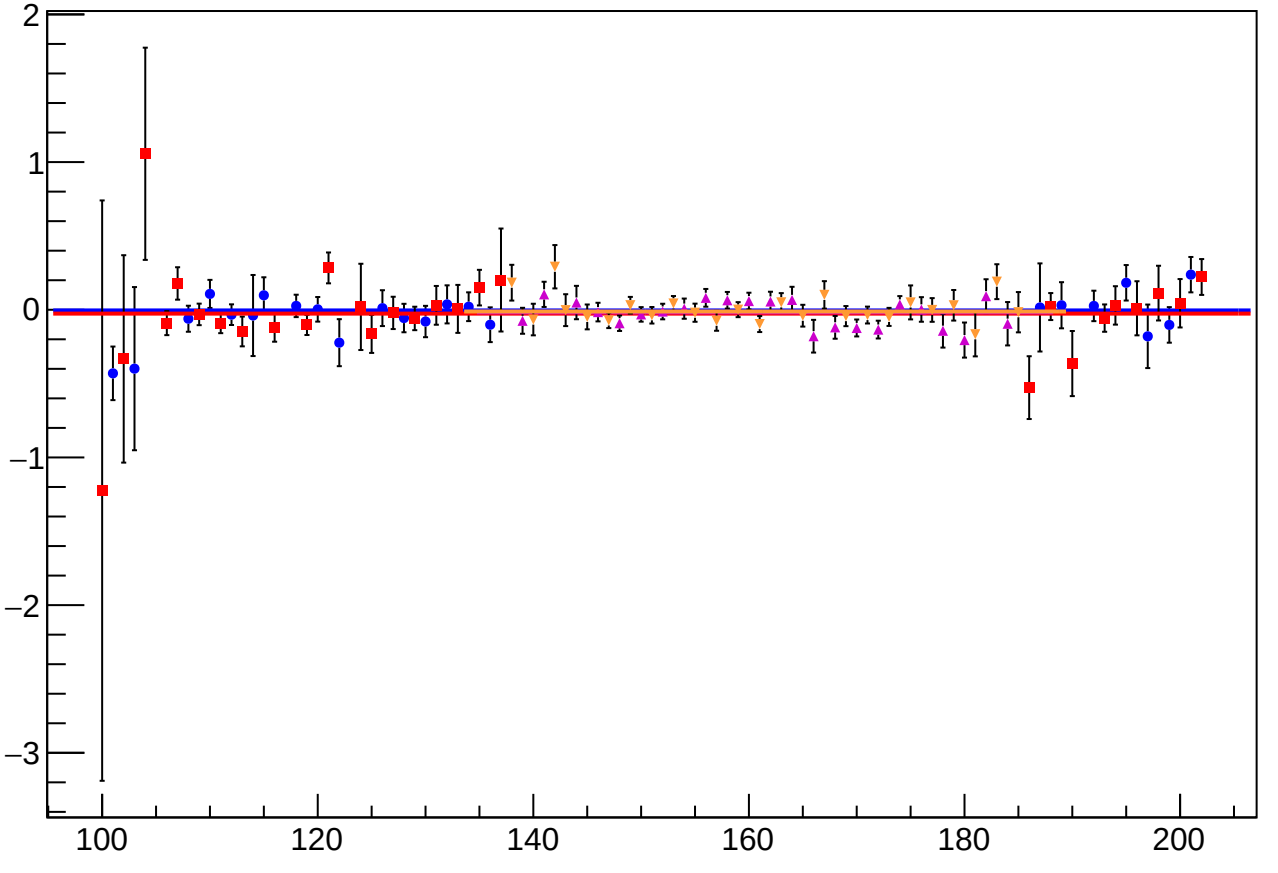
Right: 0.000+/-0.000 χ^2/NDF: 10380247.8/50

In: 0.000+/-0.000 χ^2/NDF:8126241.1/45

Out: 0.000+/-0.000 χ^2/NDF:9883150.7/52

All: 0.000+/-0.000 χ^2/NDF: 18062374.7/98

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.022 χ^2/NDF: 37.9/27

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

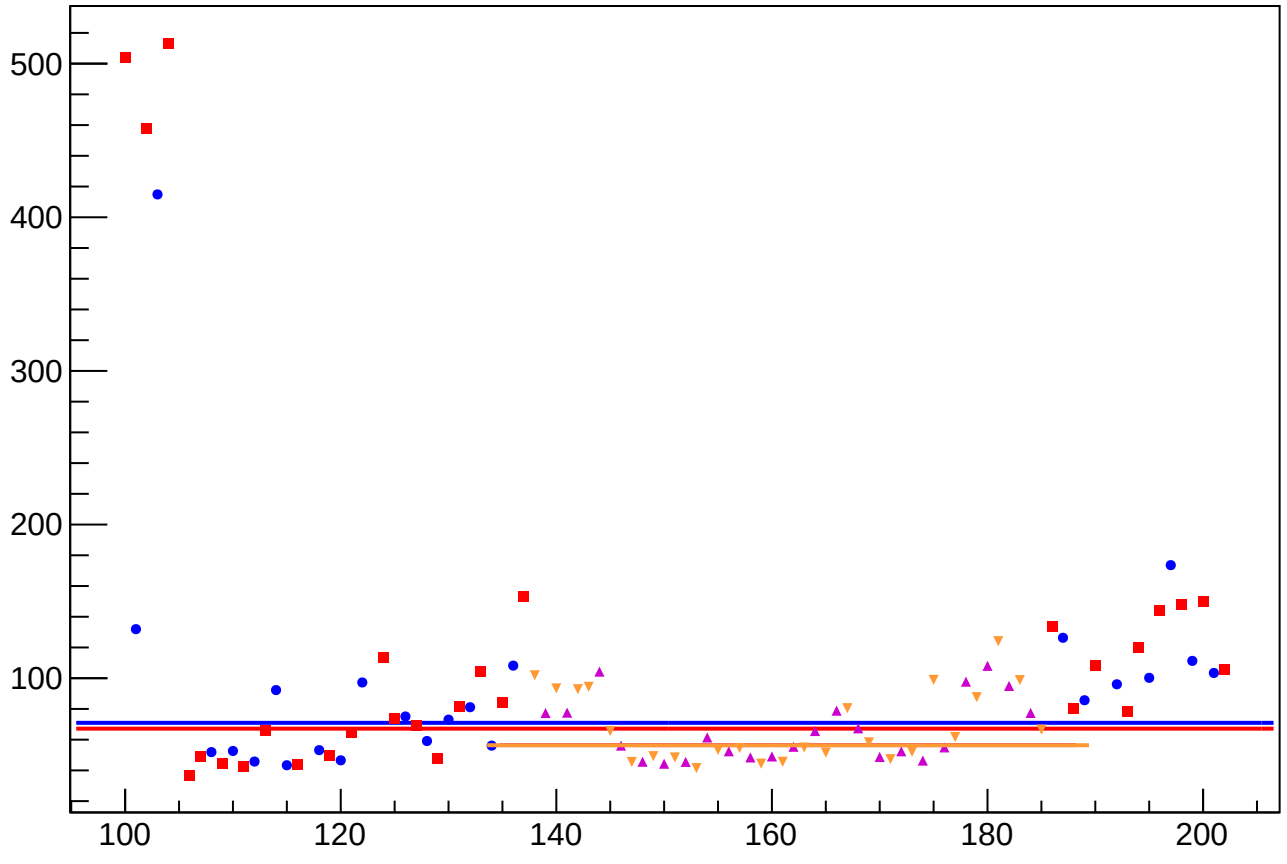
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.016+/-0.016 χ^2/NDF: 58.7/50

In: -0.014+/-0.012 χ^2/NDF:51.2/45

Out: -0.016+/-0.012 χ^2/NDF:60.0/52

All: -0.015+/-0.009 χ^2/NDF: 111.3/98



Right In: 70.957+/-0.017 χ^2/NDF: 3322190.4/22

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 67.164+/-0.015 χ^2/NDF: 5119968.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

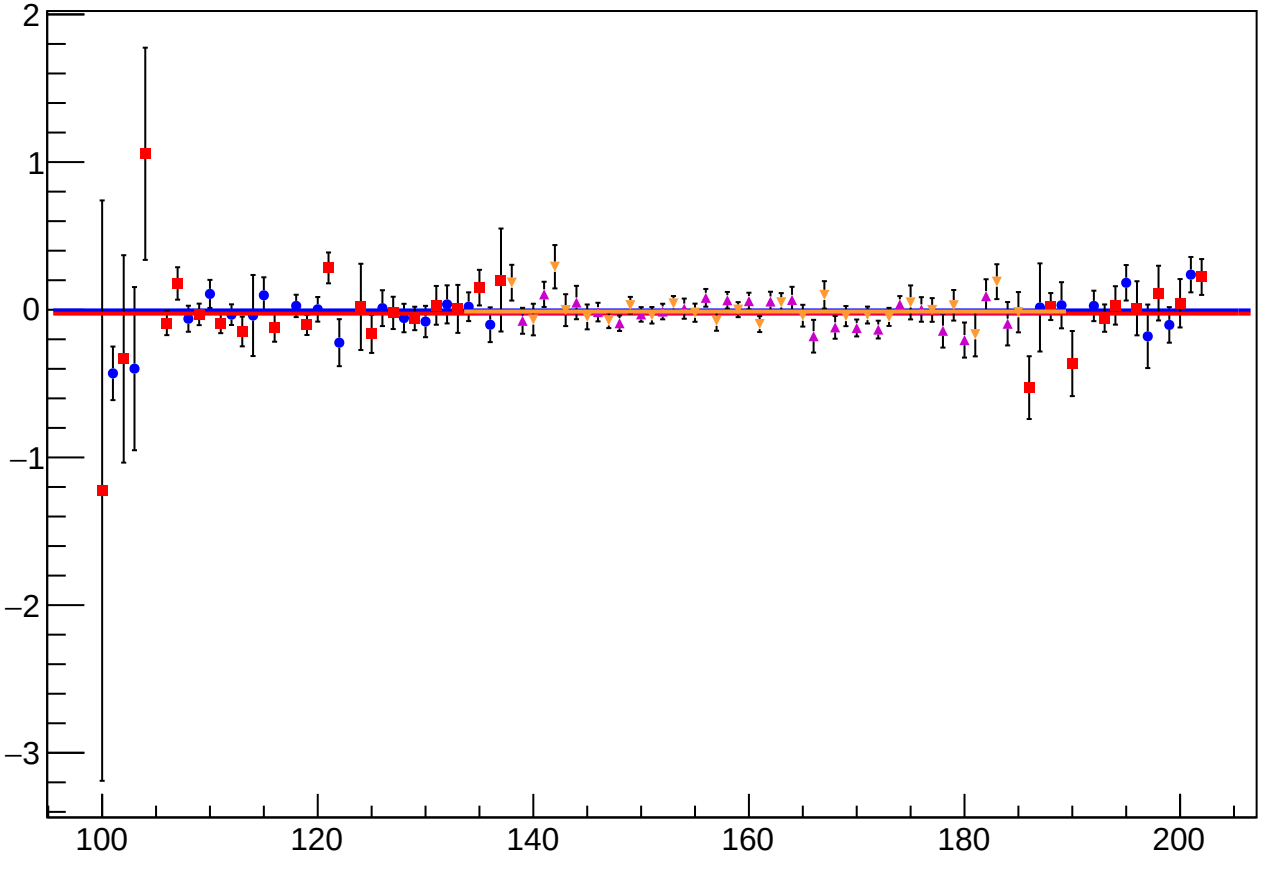
Right: 68.886+/-0.011 χ^2/NDF: 8470327.0/50

In: 60.430+/-0.009 χ^2/NDF:6009489.7/45

Out: 59.682+/-0.008 χ^2/NDF:8265592.2/52

All: 60.042+/-0.006 χ^2/NDF: 14278880.3/98

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.022 χ^2/NDF: 37.9/27

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

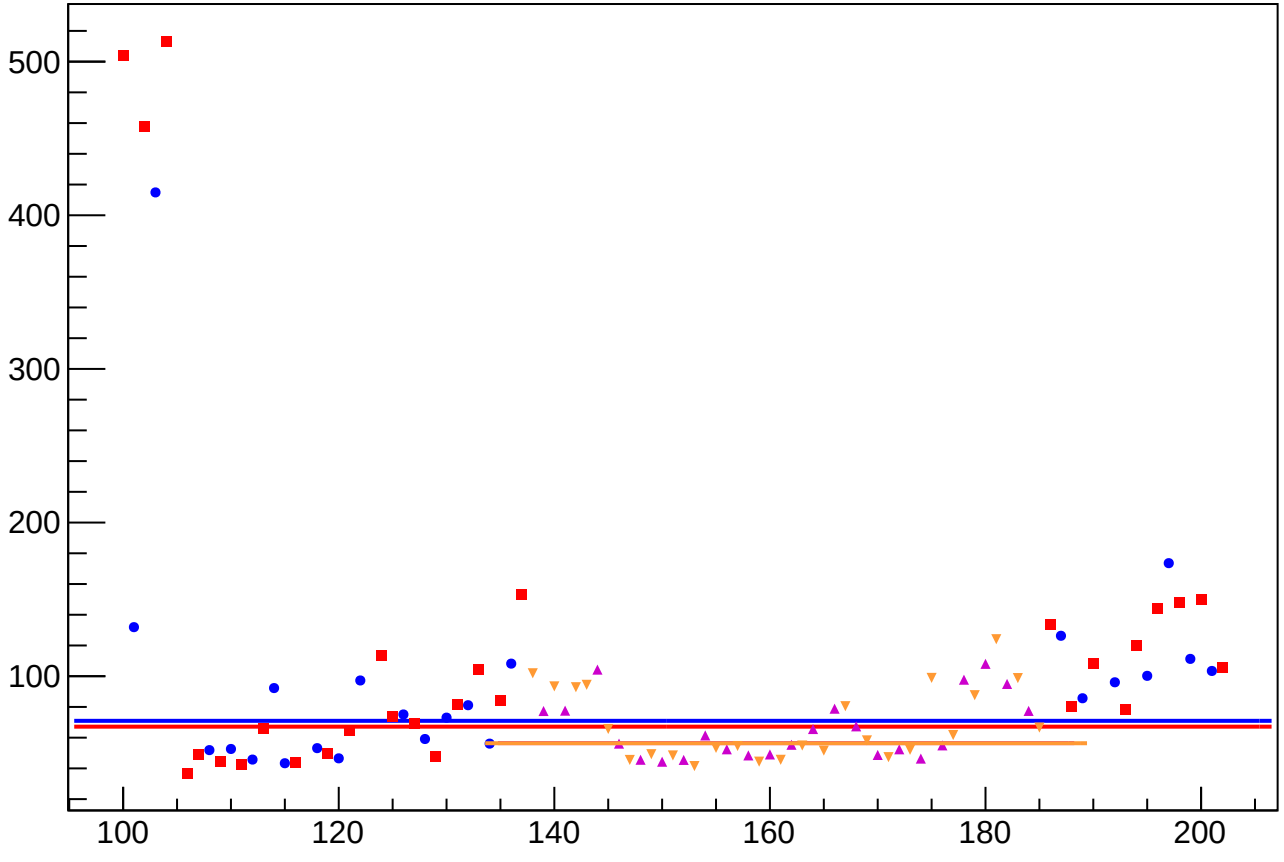
Right: -0.016+/-0.016 χ^2/NDF: 58.7/50

In: -0.014+/-0.012 χ^2/NDF:51.2/45

Out: -0.016+/-0.012 χ^2/NDF:60.0/52

All: -0.015+/-0.009 χ^2/NDF: 111.3/98

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.957+/-0.017 χ^2/NDF: 3322190.4/22

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 67.164+/-0.015 χ^2/NDF: 5119968.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

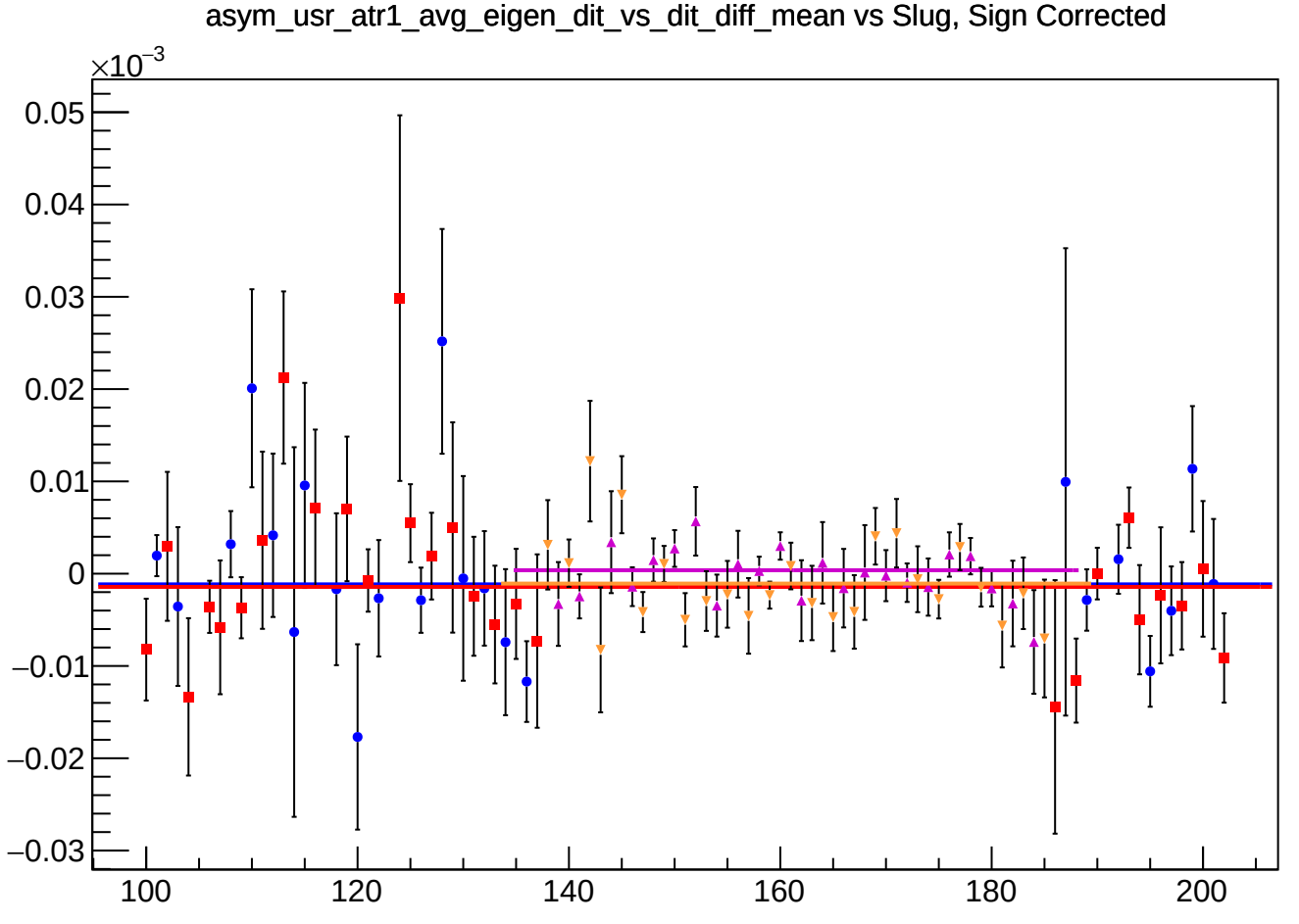
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 68.886+/-0.011 χ^2/NDF: 8470327.0/50

In: 60.430+/-0.009 χ^2/NDF:6009489.7/45

Out: 59.682+/-0.008 χ^2/NDF:8265592.2/52

All: 60.042+/-0.006 χ^2/NDF: 14278880.3/98



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/27

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

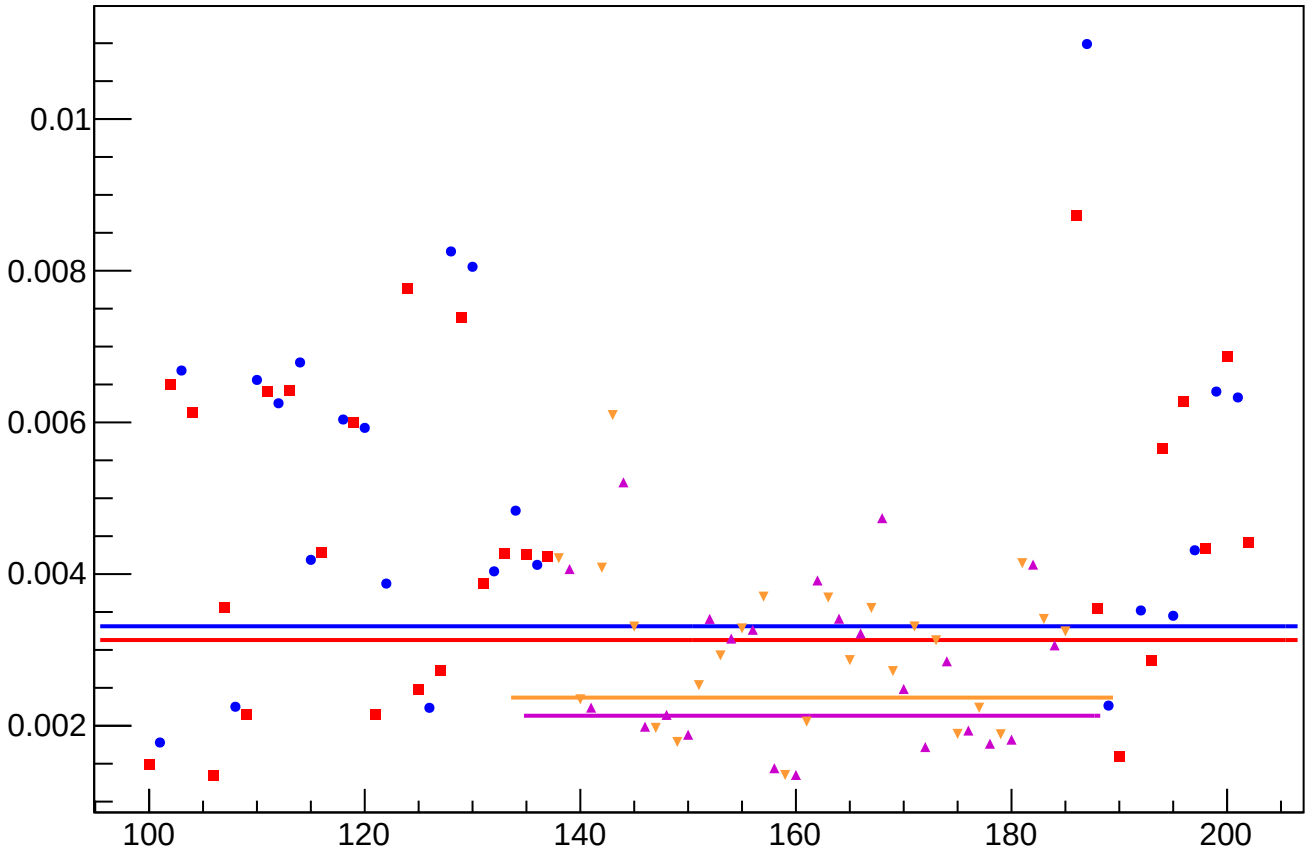
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 68.8/50

In: 0.000+/-0.000 χ^2/NDF:52.8/45

Out: -0.000+/-0.000 χ^2/NDF:66.7/52

All: -0.000+/-0.000 χ^2/NDF: 122.7/98



Right In: 0.003+/-0.000 χ^2/NDF: 4588948.0/22

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5836174.2/27

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

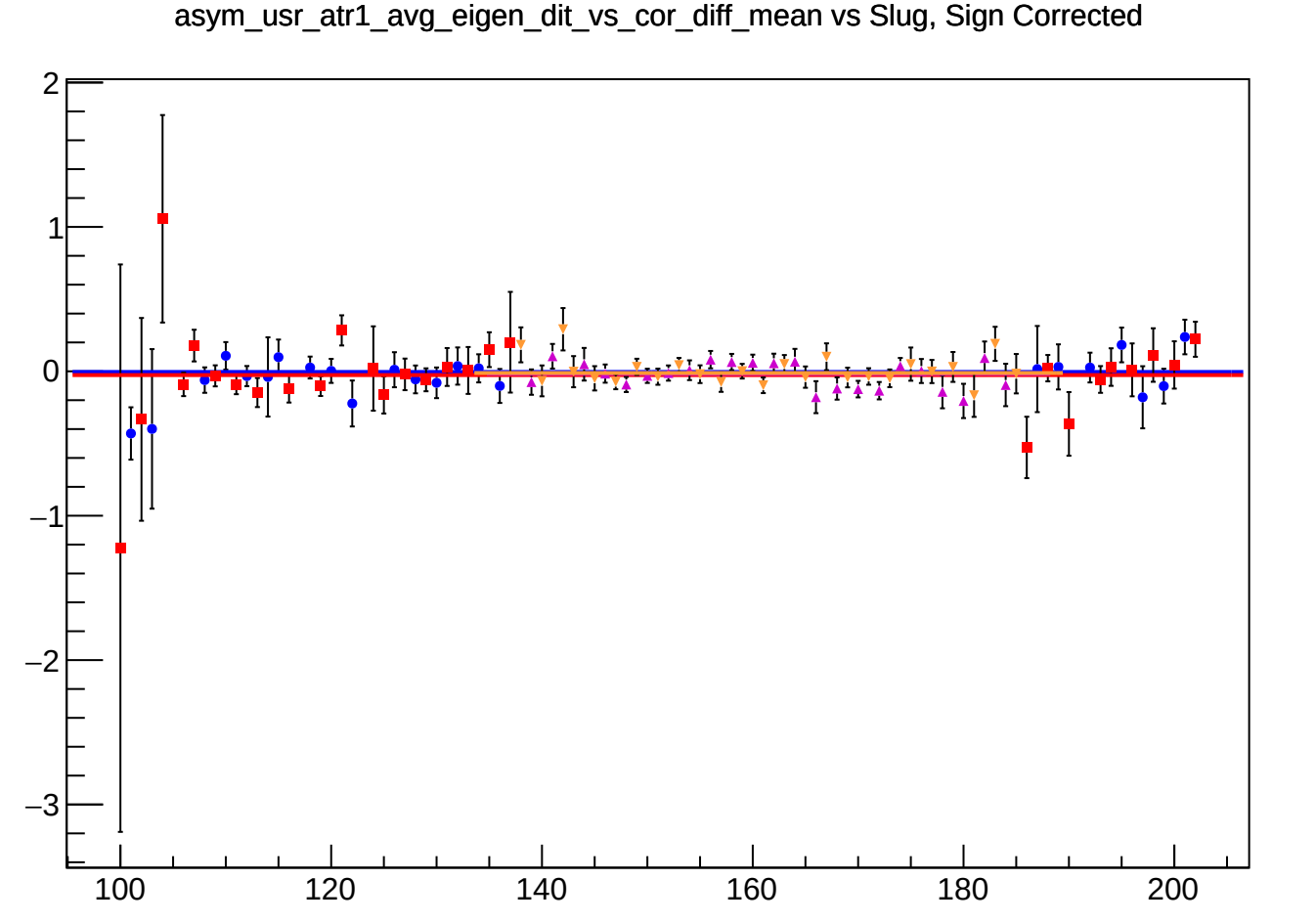
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 10456951.0/50

In: 0.002+/-0.000 χ^2/NDF:11063900.1/45

Out: 0.003+/-0.000 χ^2/NDF:10898760.9/52

All: 0.002+/-0.000 χ^2/NDF: 22130882.3/98



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.022 χ^2/NDF: 37.9/27

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

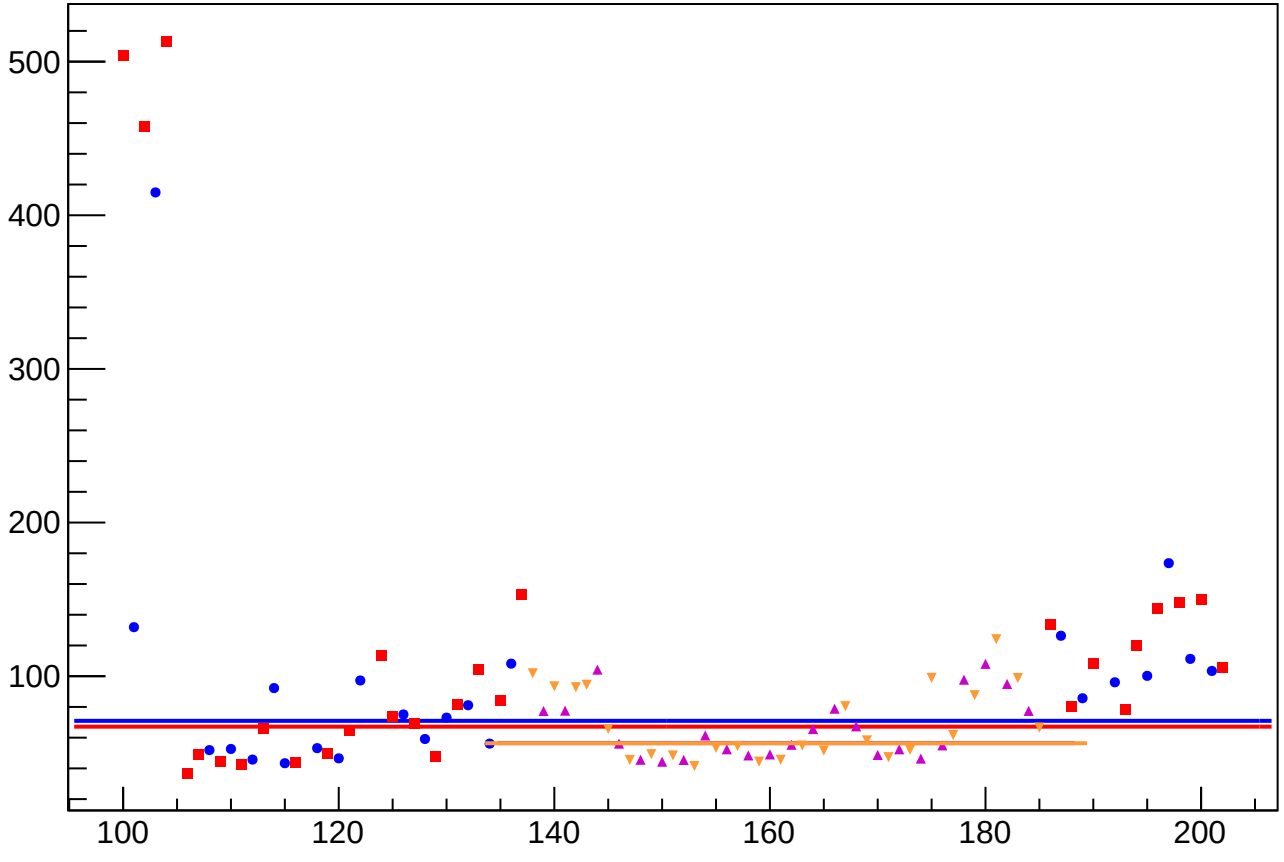
Right: -0.016+/-0.016 χ^2/NDF: 58.7/50

In: -0.014+/-0.012 χ^2/NDF:51.2/45

Out: -0.016+/-0.012 χ^2/NDF:60.0/52

All: -0.015+/-0.009 χ^2/NDF: 111.3/98

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.956+/-0.017 χ^2/NDF: 3322167.8/22

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 67.164+/-0.015 χ^2/NDF: 5119978.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

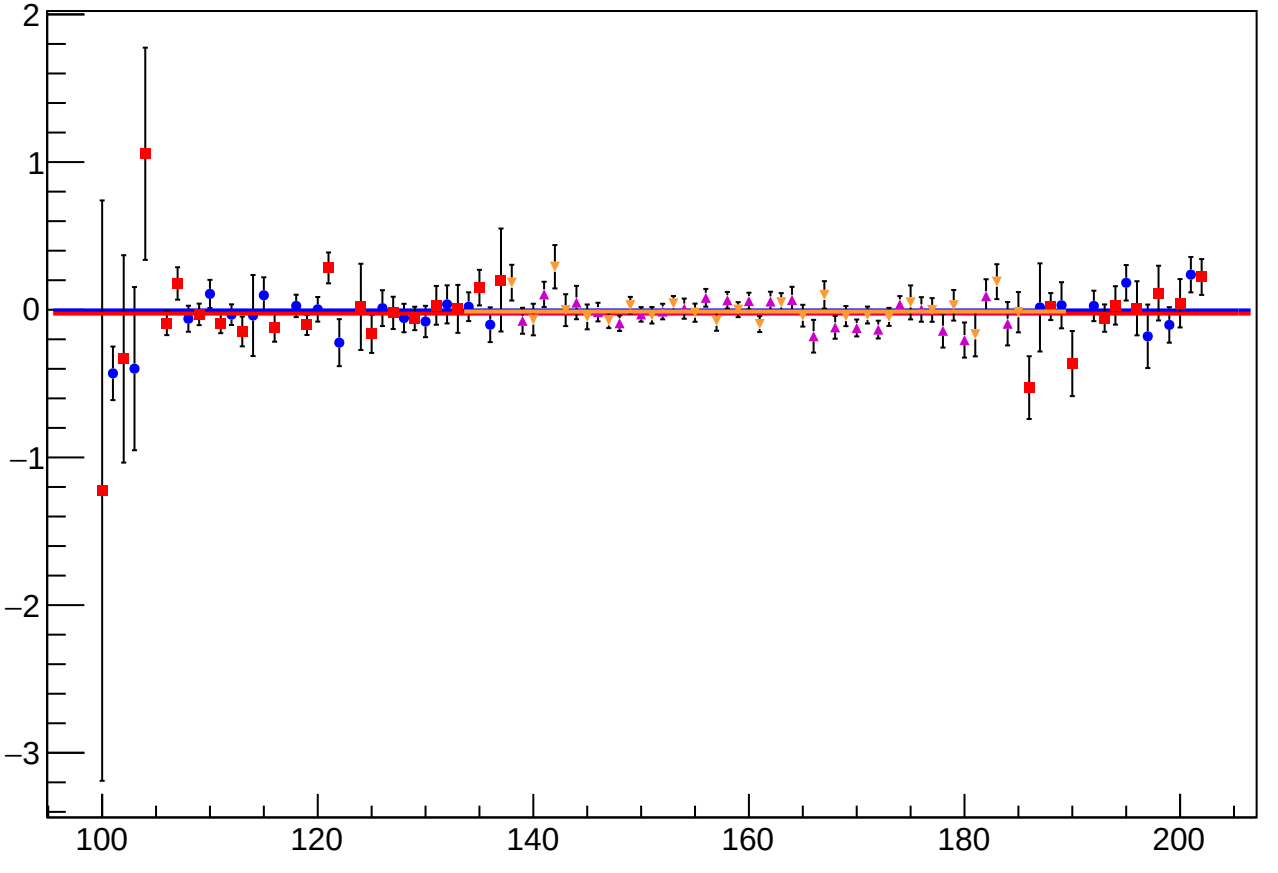
Right: 68.885+/-0.011 χ^2/NDF: 8470316.4/50

In: 60.430+/-0.009 χ^2/NDF:6009393.8/45

Out: 59.682+/-0.008 χ^2/NDF:8265615.6/52

All: 60.042+/-0.006 χ^2/NDF: 14278807.8/98

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.022 χ^2/NDF: 37.9/27

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

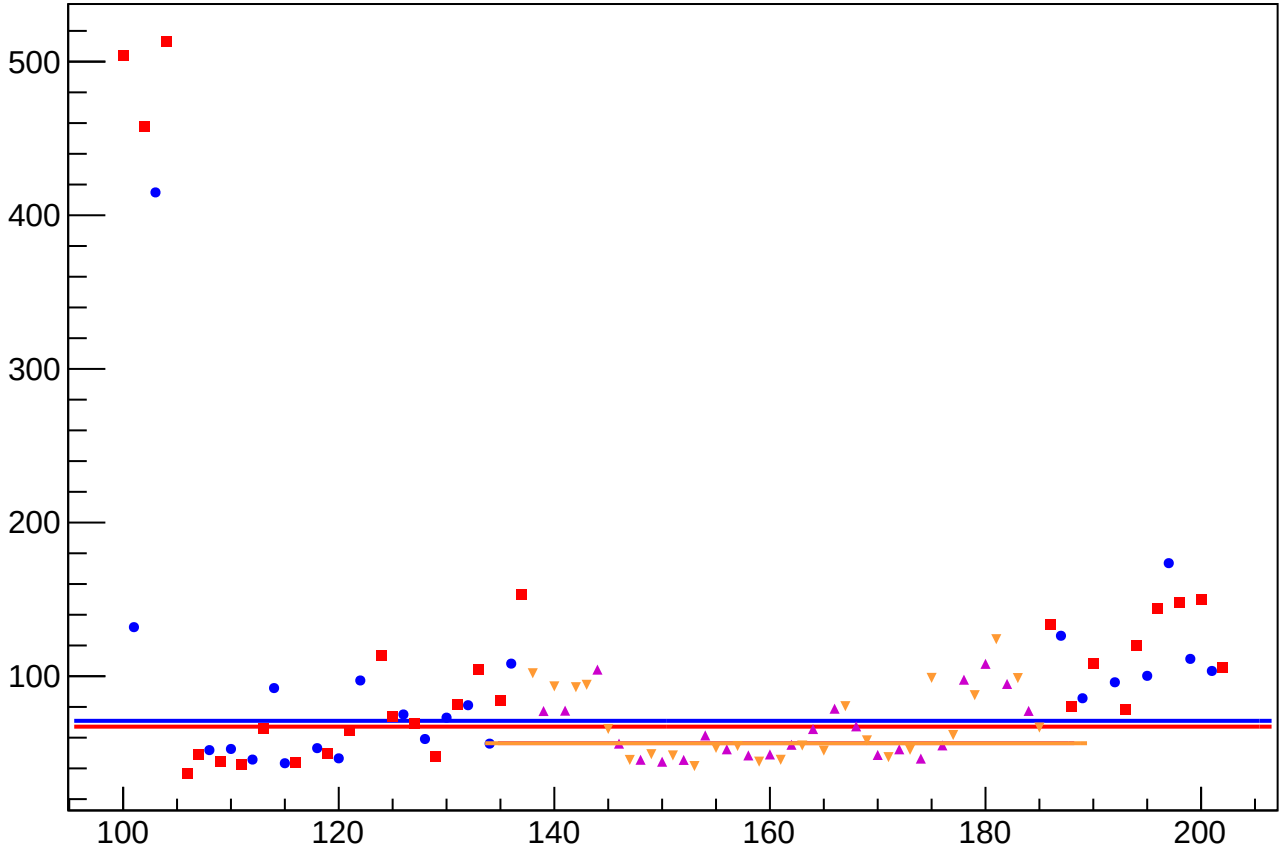
Right: -0.016+/-0.016 χ^2/NDF: 58.7/50

In: -0.014+/-0.012 χ^2/NDF:51.2/45

Out: -0.016+/-0.012 χ^2/NDF:60.0/52

All: -0.015+/-0.009 χ^2/NDF: 111.3/98

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.956+/-0.017 χ^2/NDF: 3322167.8/22

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 67.164+/-0.015 χ^2/NDF: 5119978.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

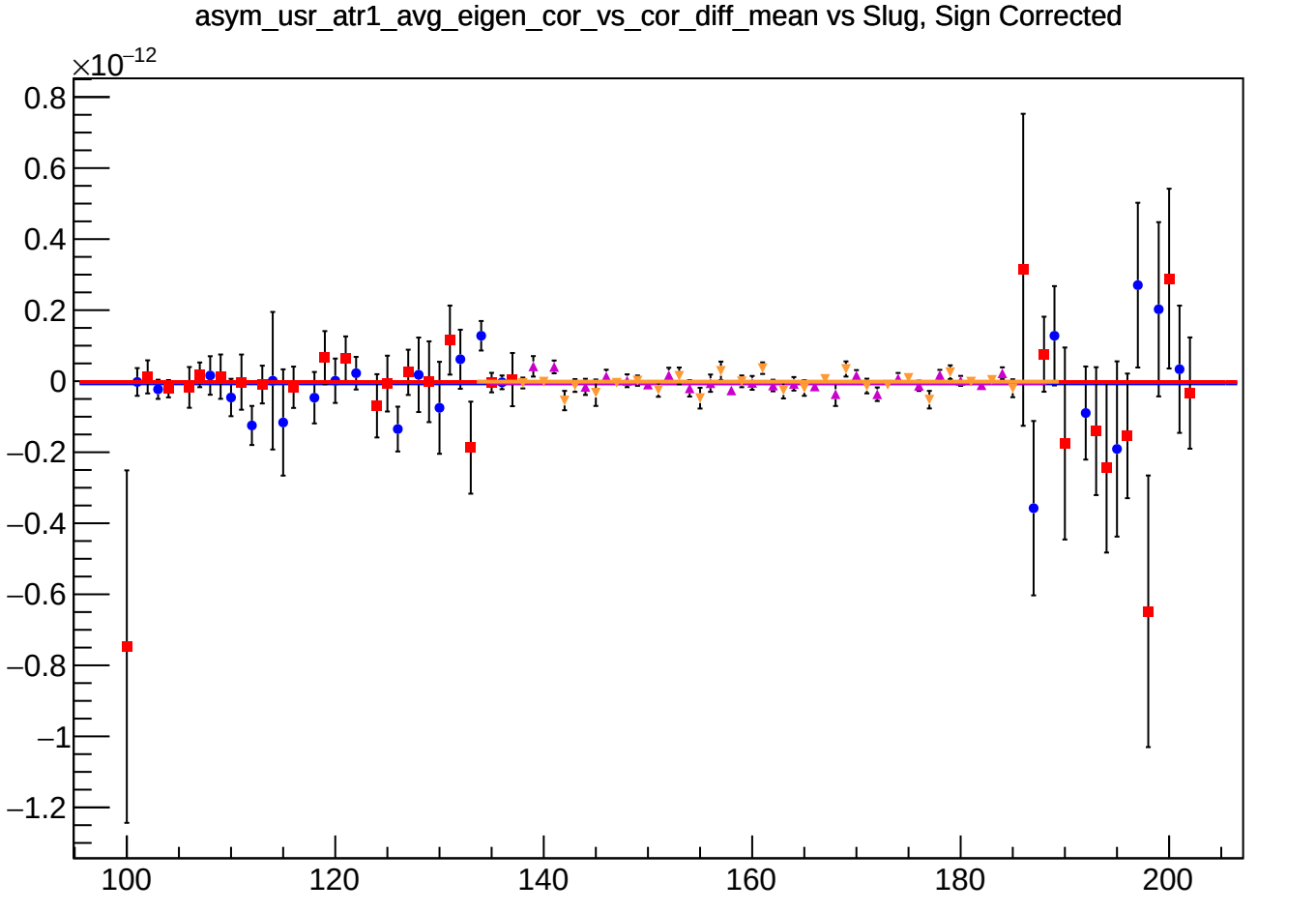
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

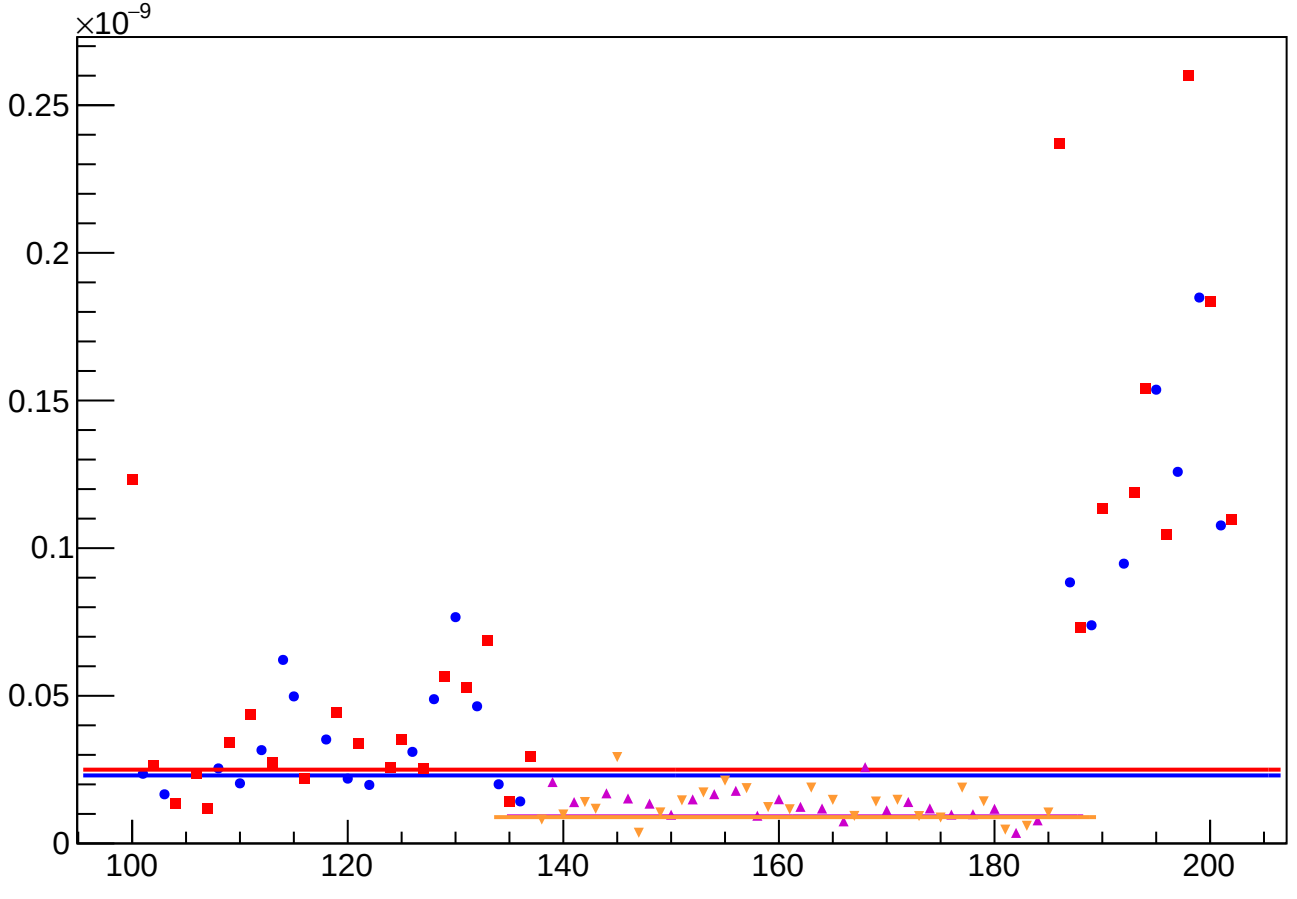
Right: 68.885+/-0.011 χ^2/NDF: 8470316.4/50

In: 60.430+/-0.009 χ^2/NDF:6009393.8/45

Out: 59.682+/-0.008 χ^2/NDF:8265615.6/52

All: 60.042+/-0.006 χ^2/NDF: 14278807.8/98


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.7/22
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.7/27
Left In: -0.000+/-0.000 χ²/NDF:28.4/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 46.5/50
In: -0.000+/-0.000 χ²/NDF:57.1/45
Out: -0.000+/-0.000 χ²/NDF:47.4/52
All: -0.000+/-0.000 χ²/NDF: 105.3/98



Right In: 0.000+/-0.000 χ^2/NDF: 4736565.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6801425.0/27

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

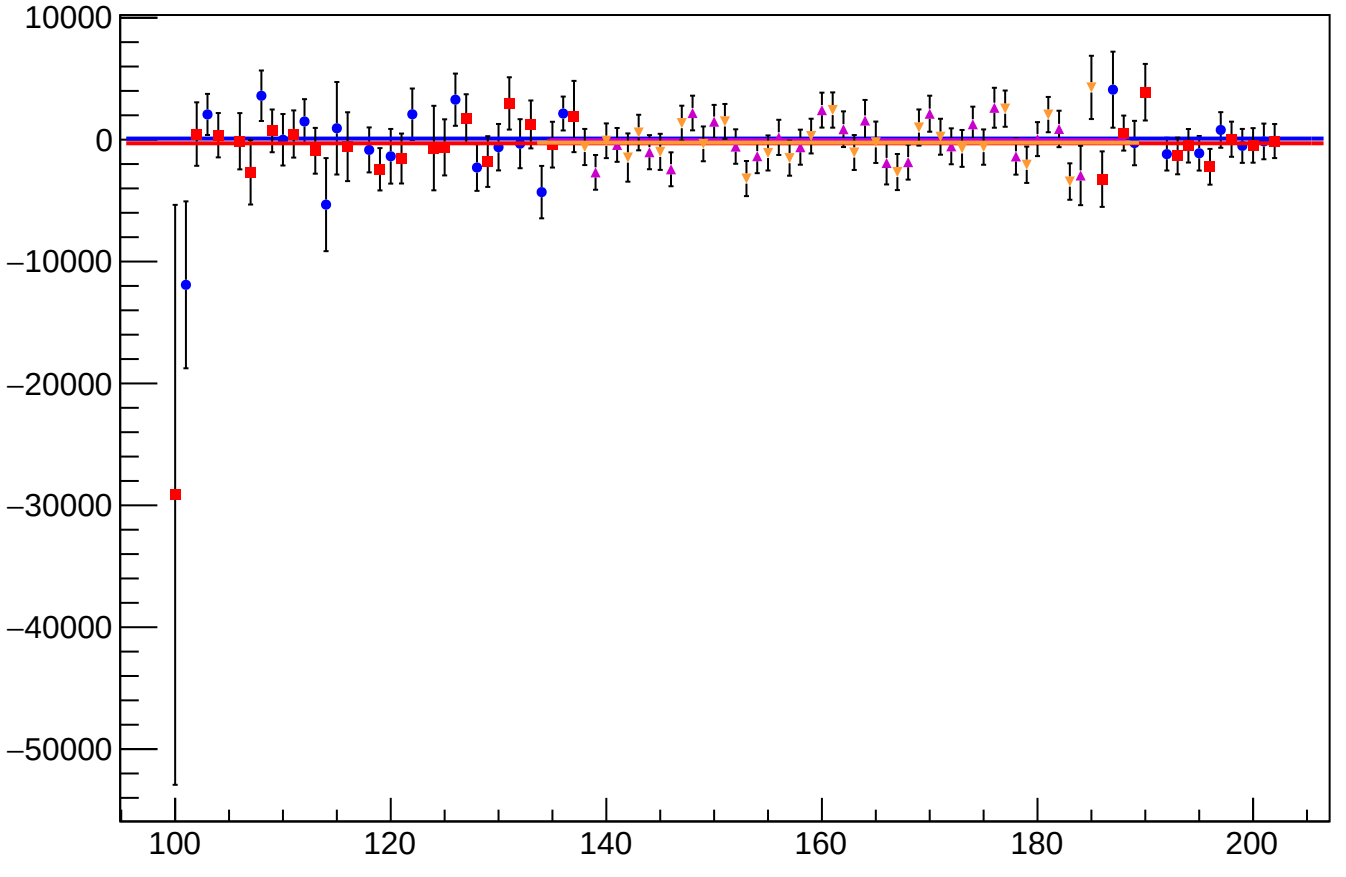
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11567432.6/50

In: 0.000+/-0.000 χ^2/NDF:12697603.5/45

Out: 0.000+/-0.000 χ^2/NDF:15414545.5/52

All: 0.000+/-0.000 χ^2/NDF: 28120852.4/98



Right In: 89.052+/-388.183 χ^2/NDF: 25.6/22

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -297.777+/-358.655 χ^2/NDF: 17.7/27

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

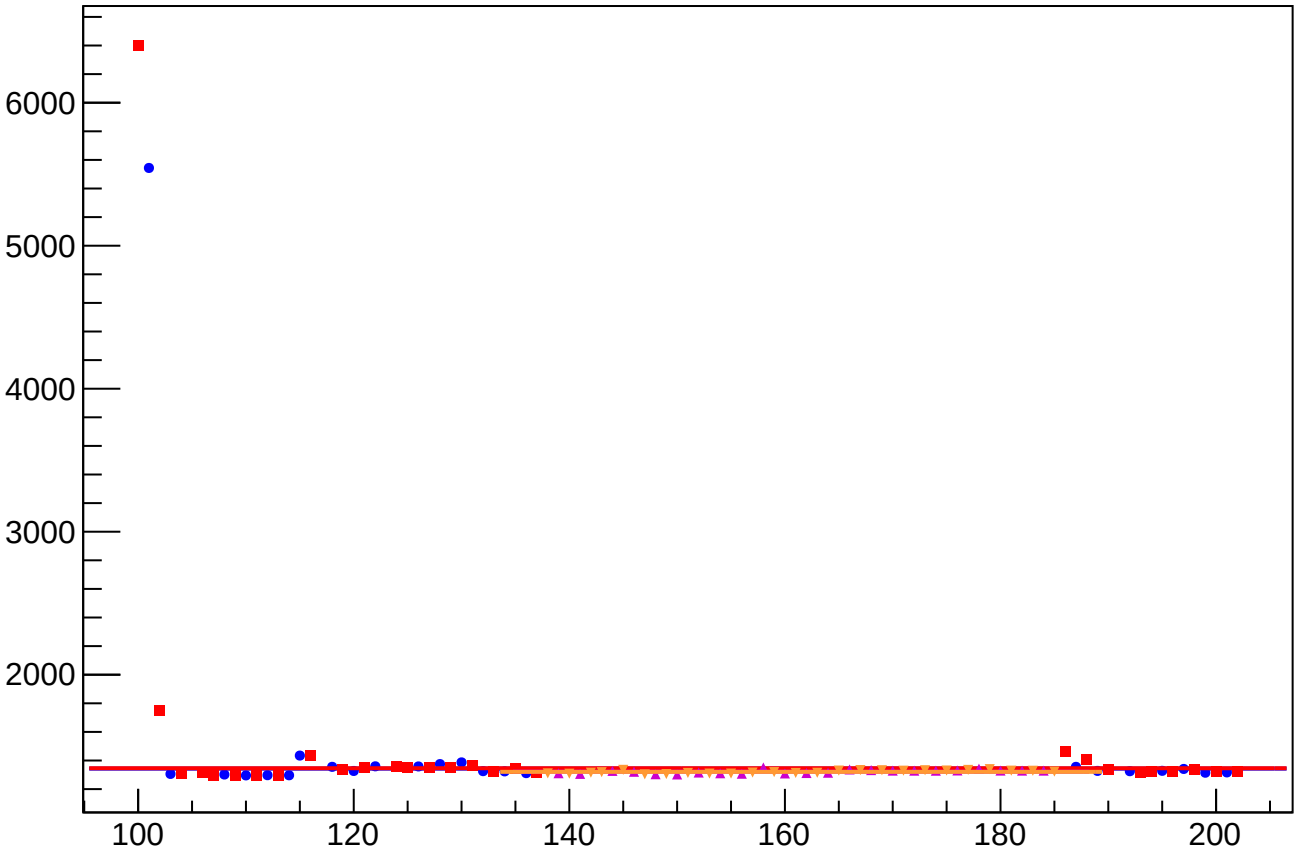
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: -119.633+/-263.428 χ^2/NDF: 43.8/50

In: 10.518+/-241.576 χ^2/NDF:52.8/45

Out: -264.299+/-230.116 χ^2/NDF:49.4/52

All: -133.563+/-166.621 χ^2/NDF: 102.9/98



Right In: 1343.223+/-0.274 χ^2/NDF: 763830.1/22

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1345.991+/-0.254 χ^2/NDF: 159200.5/27

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

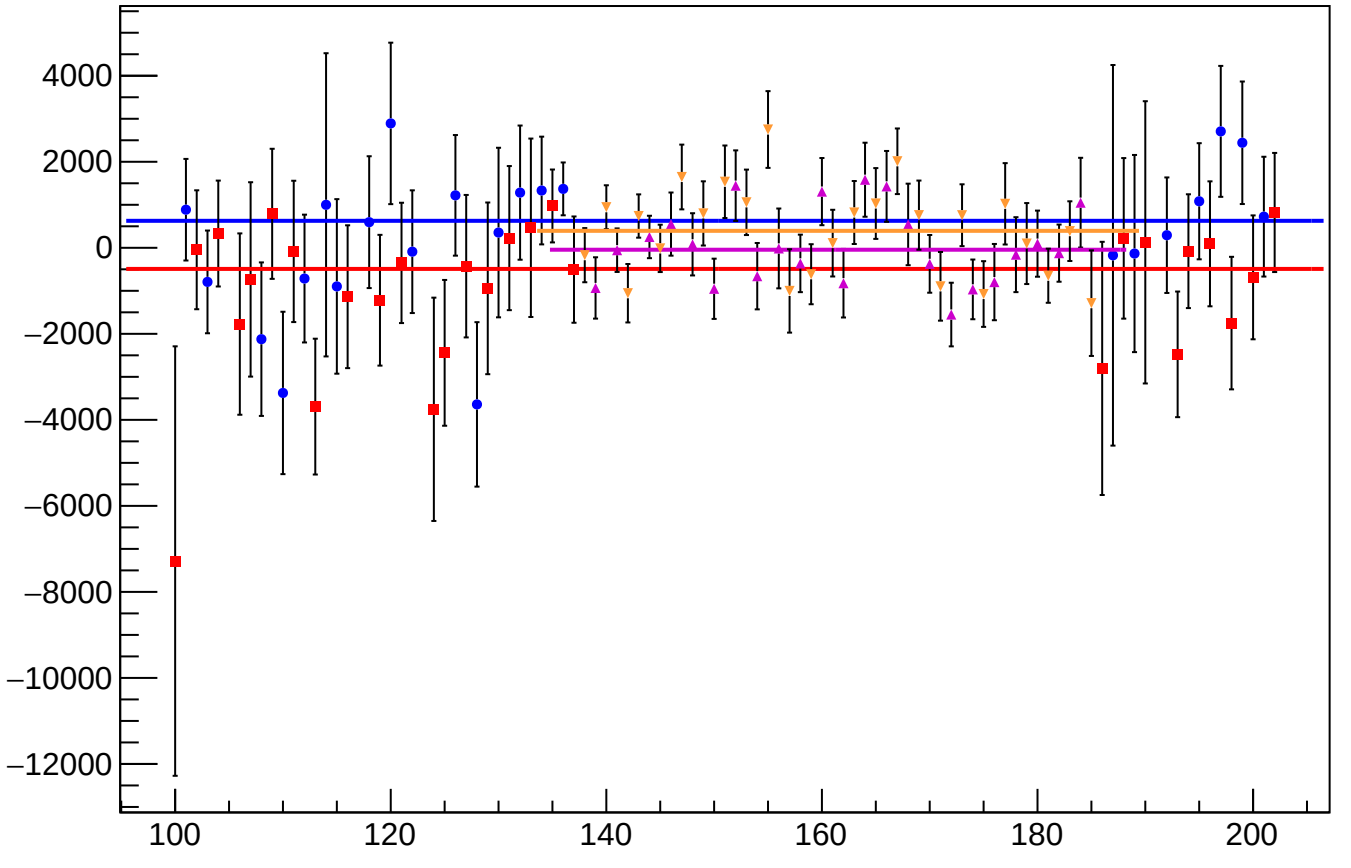
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1344.716+/-0.186 χ^2/NDF: 923085.5/50

In: 1330.086+/-0.171 χ^2/NDF:771121.8/45

Out: 1331.135+/-0.163 χ^2/NDF:167635.1/52

All: 1330.636+/-0.118 χ^2/NDF: 938776.7/98



Right In: 627.441+/-294.700 χ^2/NDF: 22.4/22

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -490.849+/-296.921 χ^2/NDF: 18.9/27

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

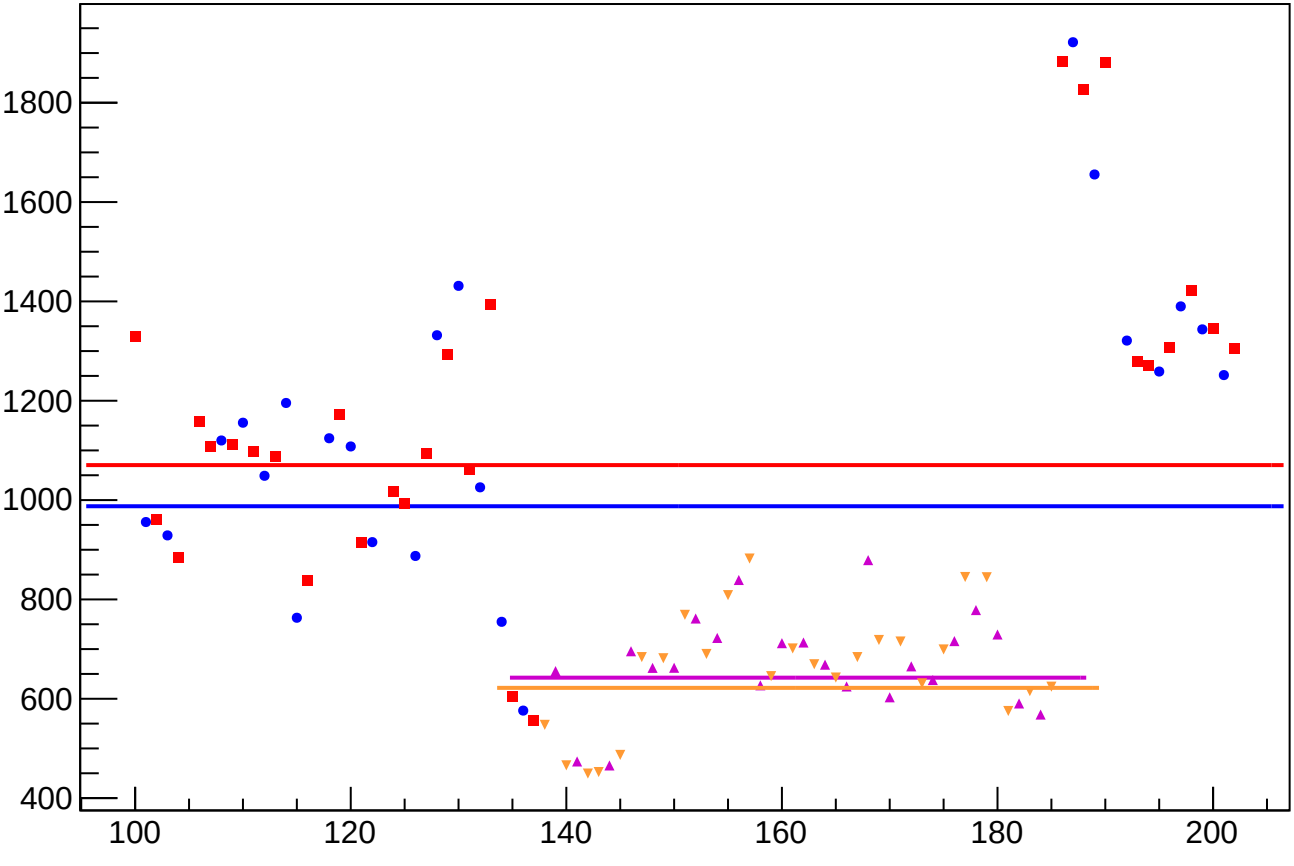
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 72.495+/-209.165 χ^2/NDF: 48.4/50

In: 96.963+/-135.323 χ^2/NDF:54.1/45

Out: 224.890+/-129.975 χ^2/NDF:67.9/52

All: 163.504+/-93.740 χ^2/NDF: 122.5/98



Right In: 987.602+/-0.208 χ^2/NDF: 2041042.2/22

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1070.430+/-0.210 χ^2/NDF: 2150468.7/27

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

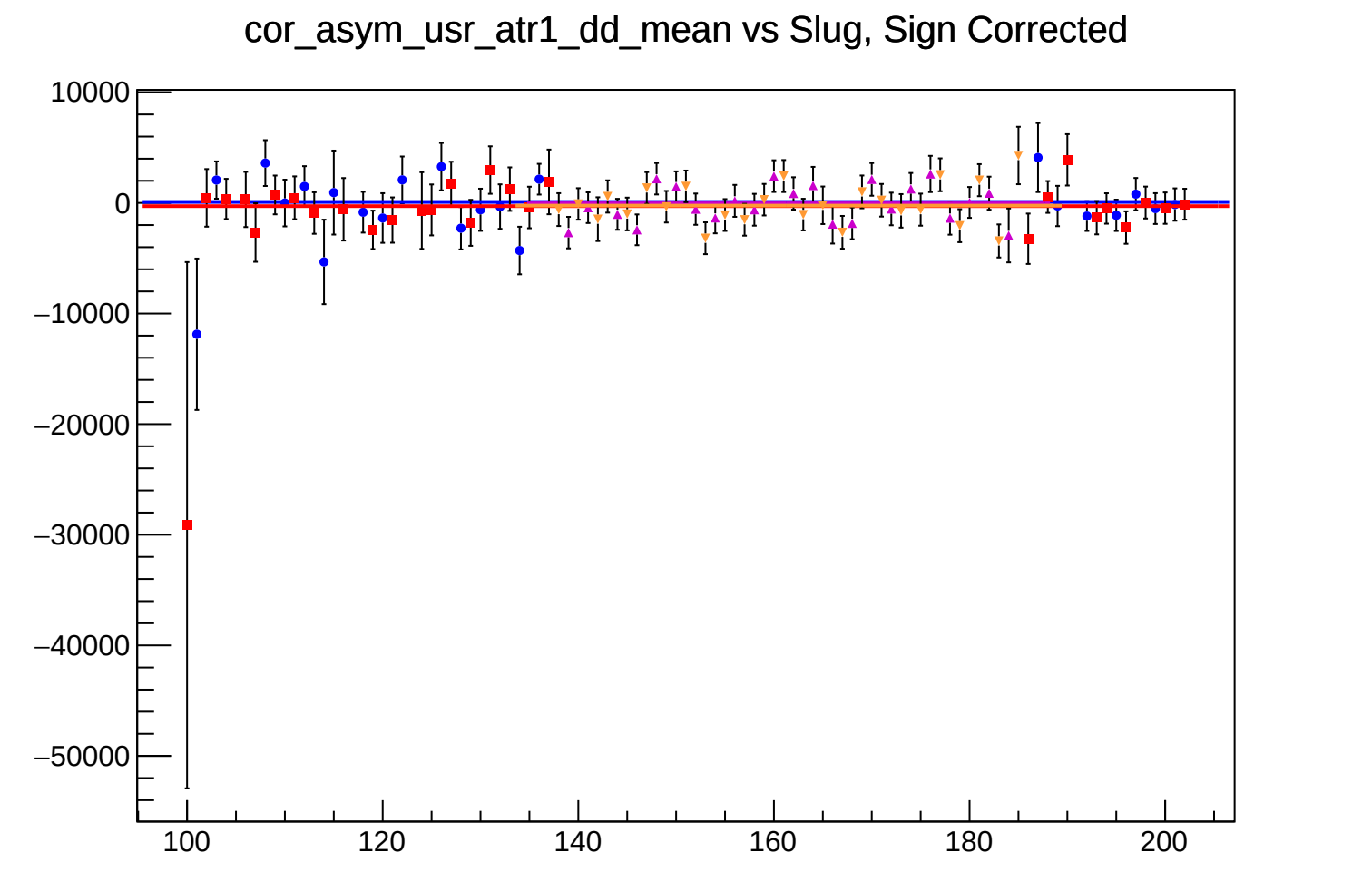
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 1028.705+/-0.148 χ^2/NDF: 4269912.1/50

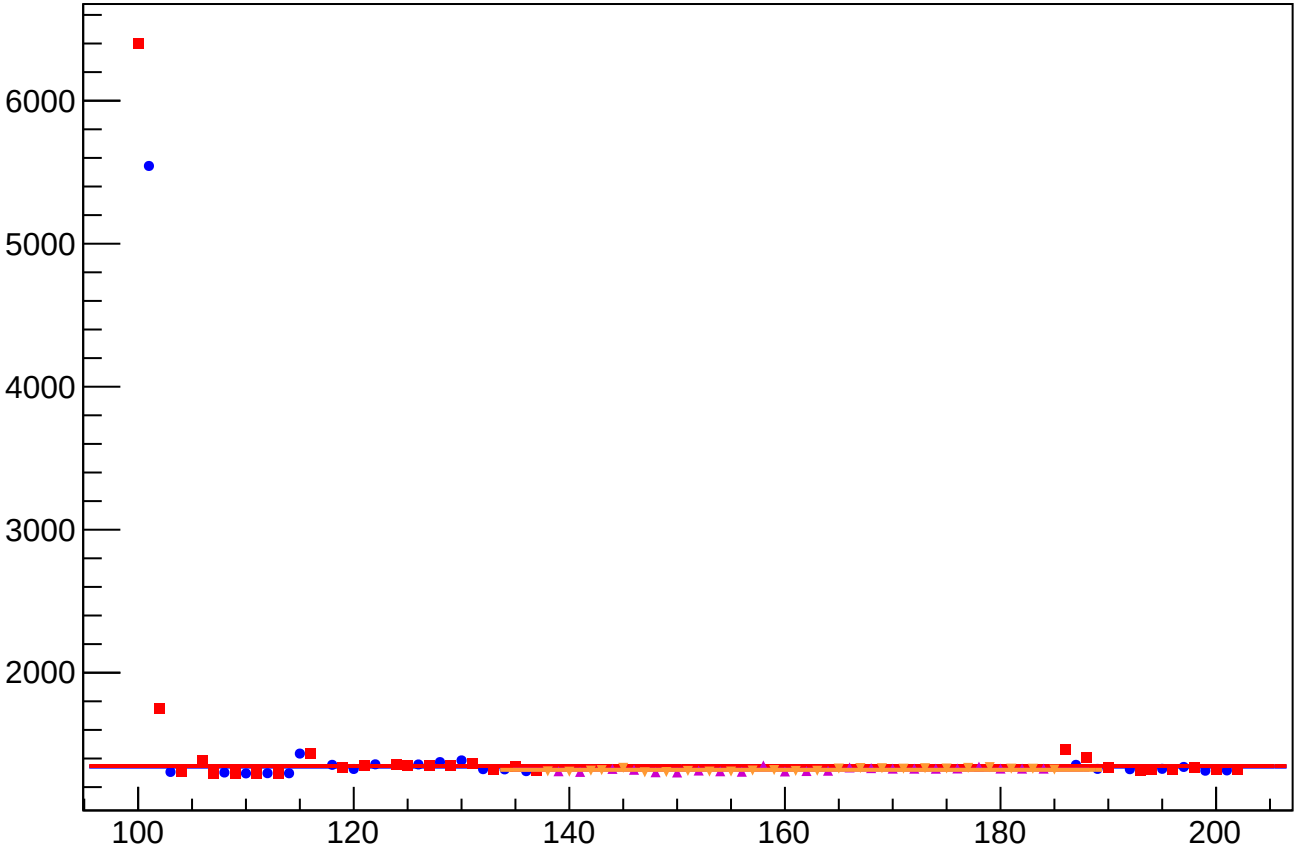
In: 715.243+/-0.096 χ^2/NDF:5132062.7/45

Out: 707.888+/-0.092 χ^2/NDF:7222433.5/52

All: 711.417+/-0.066 χ^2/NDF: 12357569.2/98


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 89.178+/-388.183 χ²/NDF: 25.6/22
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -289.316+/-359.280 χ²/NDF: 17.7/27
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: -114.682+/-263.676 χ²/NDF: 43.8/50
In: 10.524+/-241.576 χ²/NDF:52.8/45
Out: -260.776+/-230.281 χ²/NDF:49.5/52
All: -131.617+/-166.683 χ²/NDF: 102.9/98

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1343.223+/-0.274 χ^2/NDF: 763829.2/22

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.568+/-0.254 χ^2/NDF: 159445.7/27

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

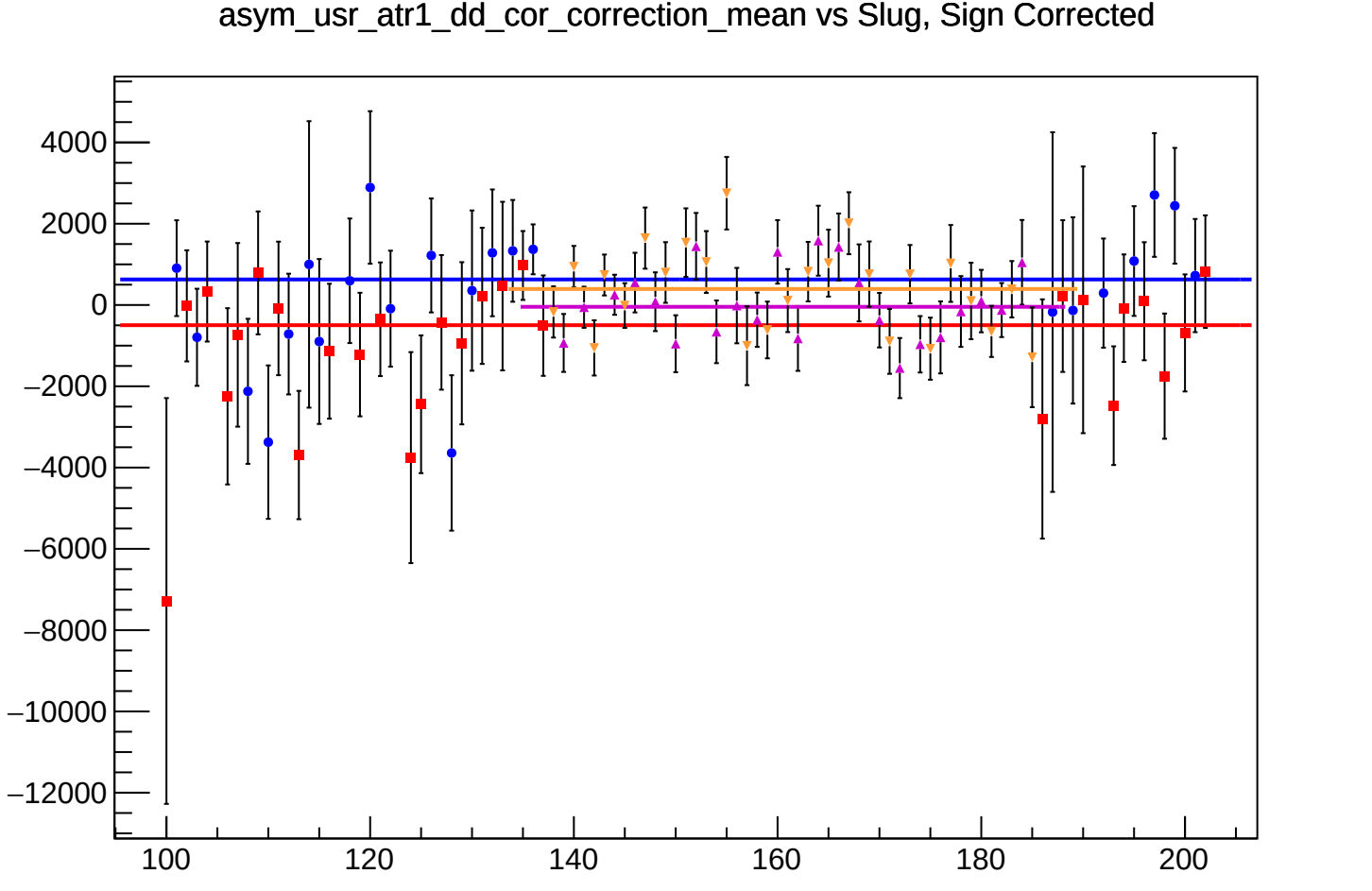
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1345.563+/-0.186 χ^2/NDF: 923409.8/50

In: 1330.086+/-0.171 χ^2/NDF:771120.9/45

Out: 1331.762+/-0.163 χ^2/NDF:168618.3/52

All: 1330.964+/-0.118 χ^2/NDF: 939789.6/98



Right In: 628.711+/-294.663 χ^2/NDF: 22.4/22

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -496.747+/-296.924 χ^2/NDF: 19.2/27

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

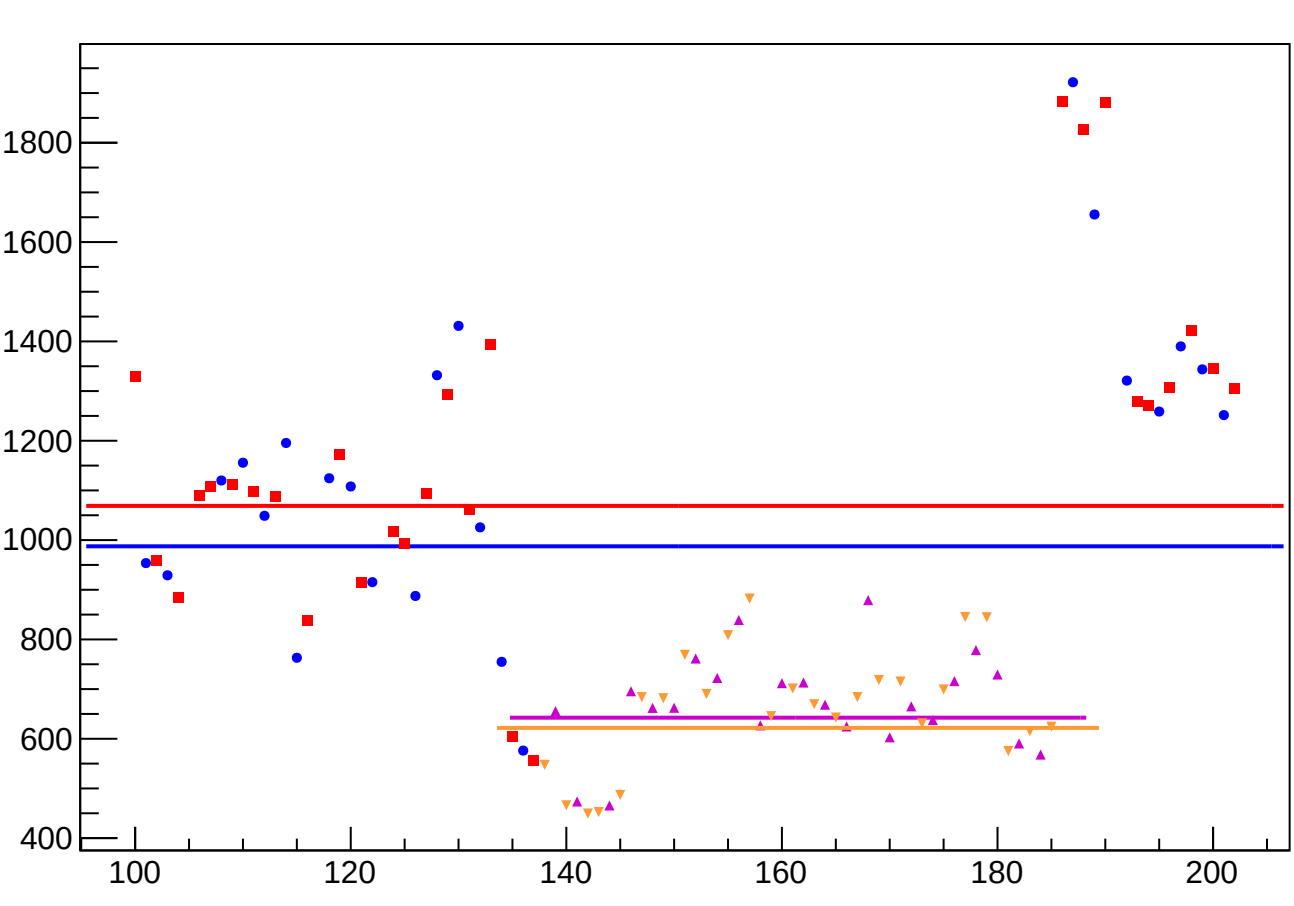
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 70.284+/-209.153 χ^2/NDF: 48.8/50

In: 97.266+/-135.319 χ^2/NDF:54.1/45

Out: 223.740+/-129.976 χ^2/NDF:68.3/52

All: 163.049+/-93.739 χ^2/NDF: 122.9/98



Right In: 987.477+/-0.208 χ^2/NDF: 2041161.0/22

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1068.878+/-0.210 χ^2/NDF: 2147853.7/27

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

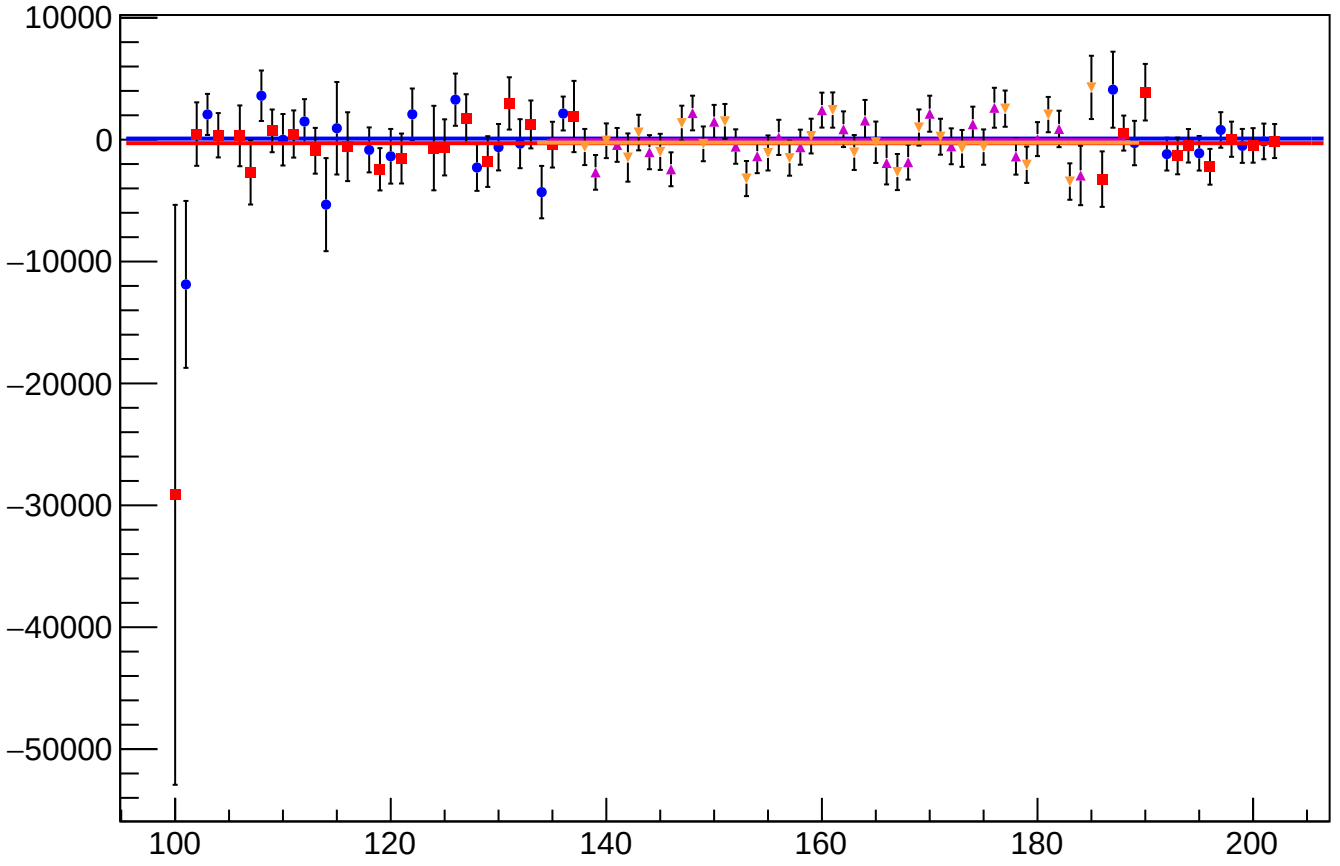
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1027.866+/-0.148 χ^2/NDF: 4264747.1/50

In: 715.226+/-0.096 χ^2/NDF:5131159.8/45

Out: 707.589+/-0.092 χ^2/NDF:7194182.3/52

All: 711.254+/-0.066 χ^2/NDF: 12328655.9/98



Right In: 89.178+/-388.183 χ^2/NDF: 25.6/22

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -289.316+/-359.280 χ^2/NDF: 17.7/27

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

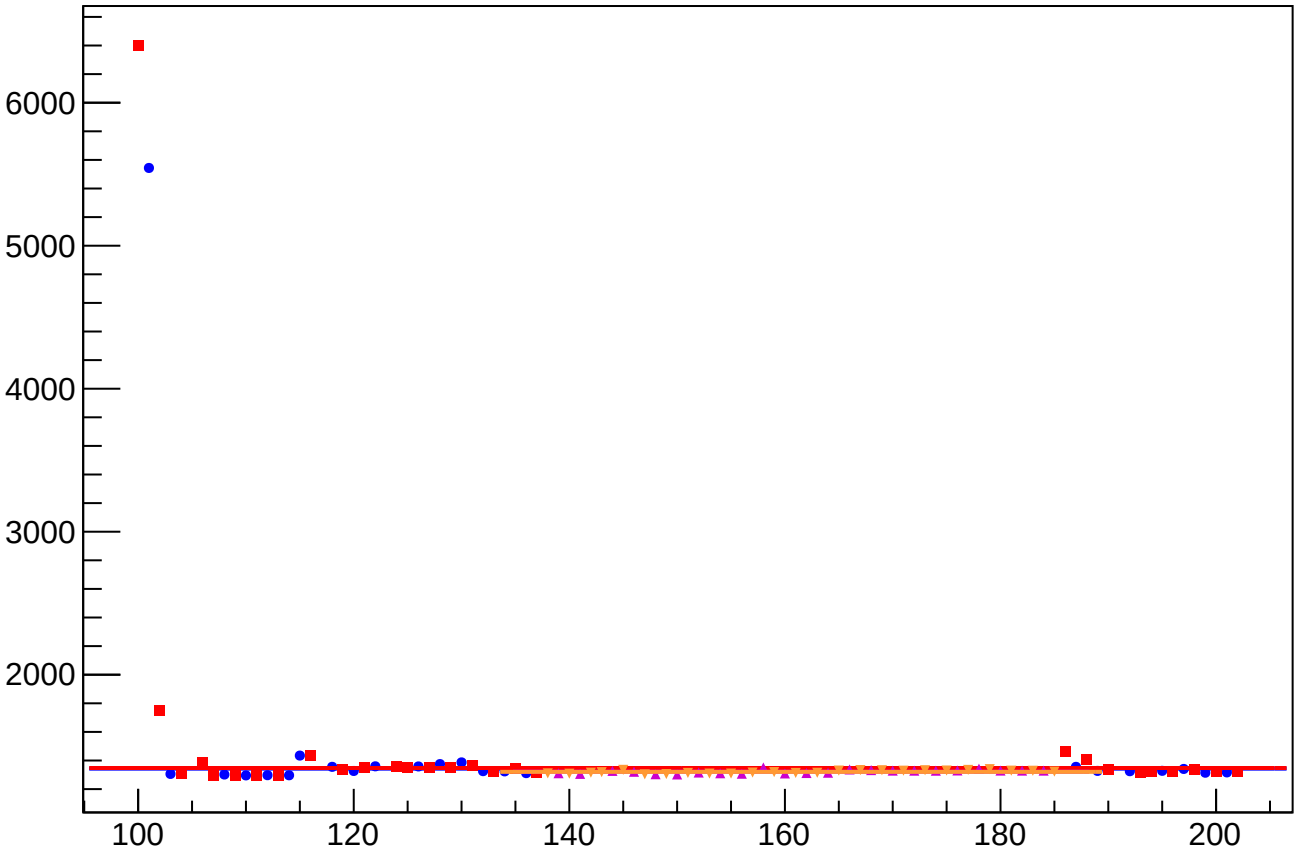
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -114.682+/-263.676 χ^2/NDF: 43.8/50

In: 10.524+/-241.576 χ^2/NDF:52.8/45

Out: -260.776+/-230.281 χ^2/NDF:49.5/52

All: -131.617+/-166.683 χ^2/NDF: 102.9/98



Right In: 1343.223+/-0.274 χ^2/NDF: 763829.2/22

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.568+/-0.254 χ^2/NDF: 159445.7/27

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

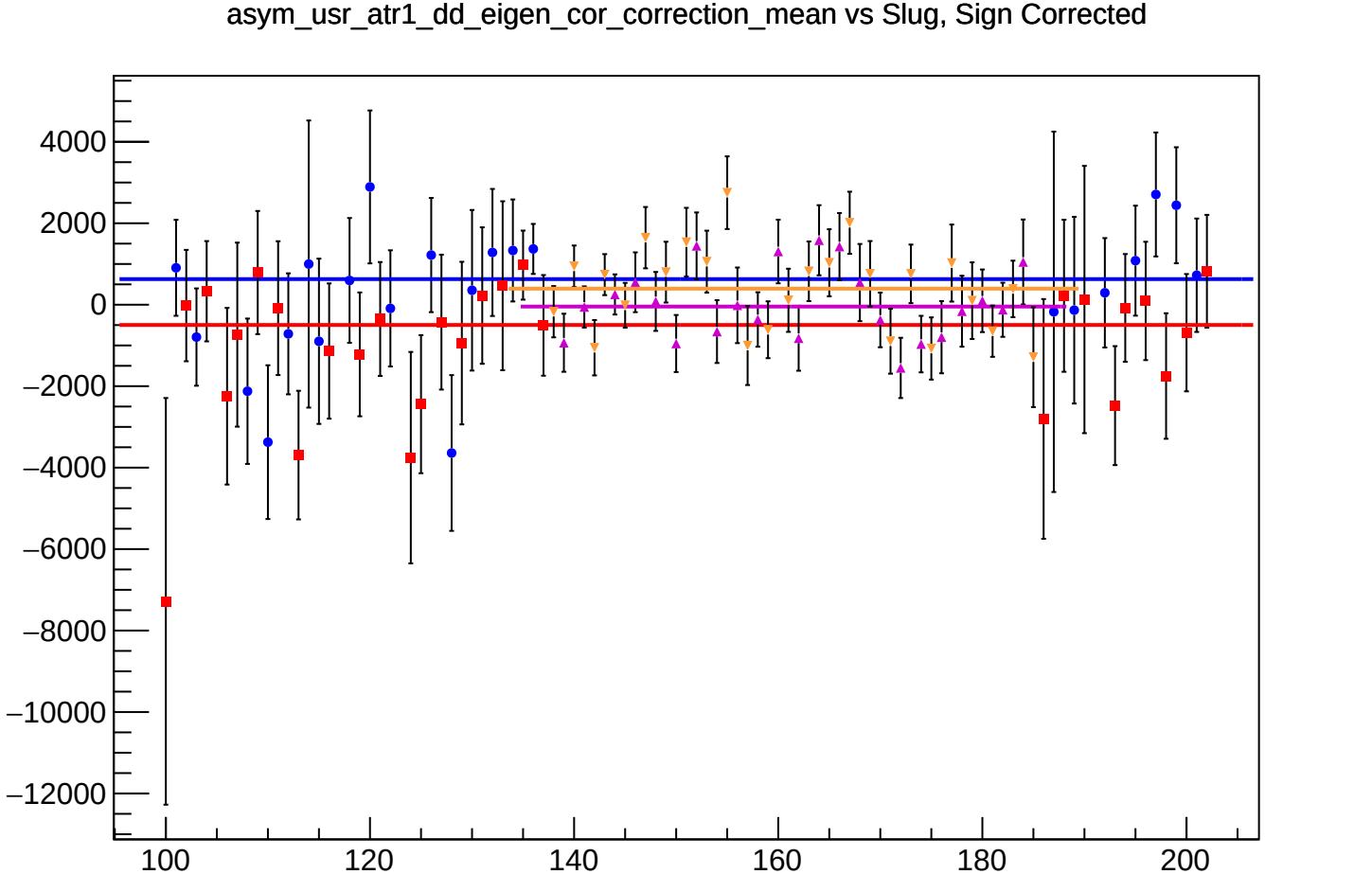
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1345.563+/-0.186 χ^2/NDF: 923409.8/50

In: 1330.086+/-0.171 χ^2/NDF:771120.9/45

Out: 1331.762+/-0.163 χ^2/NDF:168618.3/52

All: 1330.964+/-0.118 χ^2/NDF: 939789.6/98



Right In: 628.711+/-294.663 χ^2/NDF: 22.4/22

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -496.747+/-296.924 χ^2/NDF: 19.2/27

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

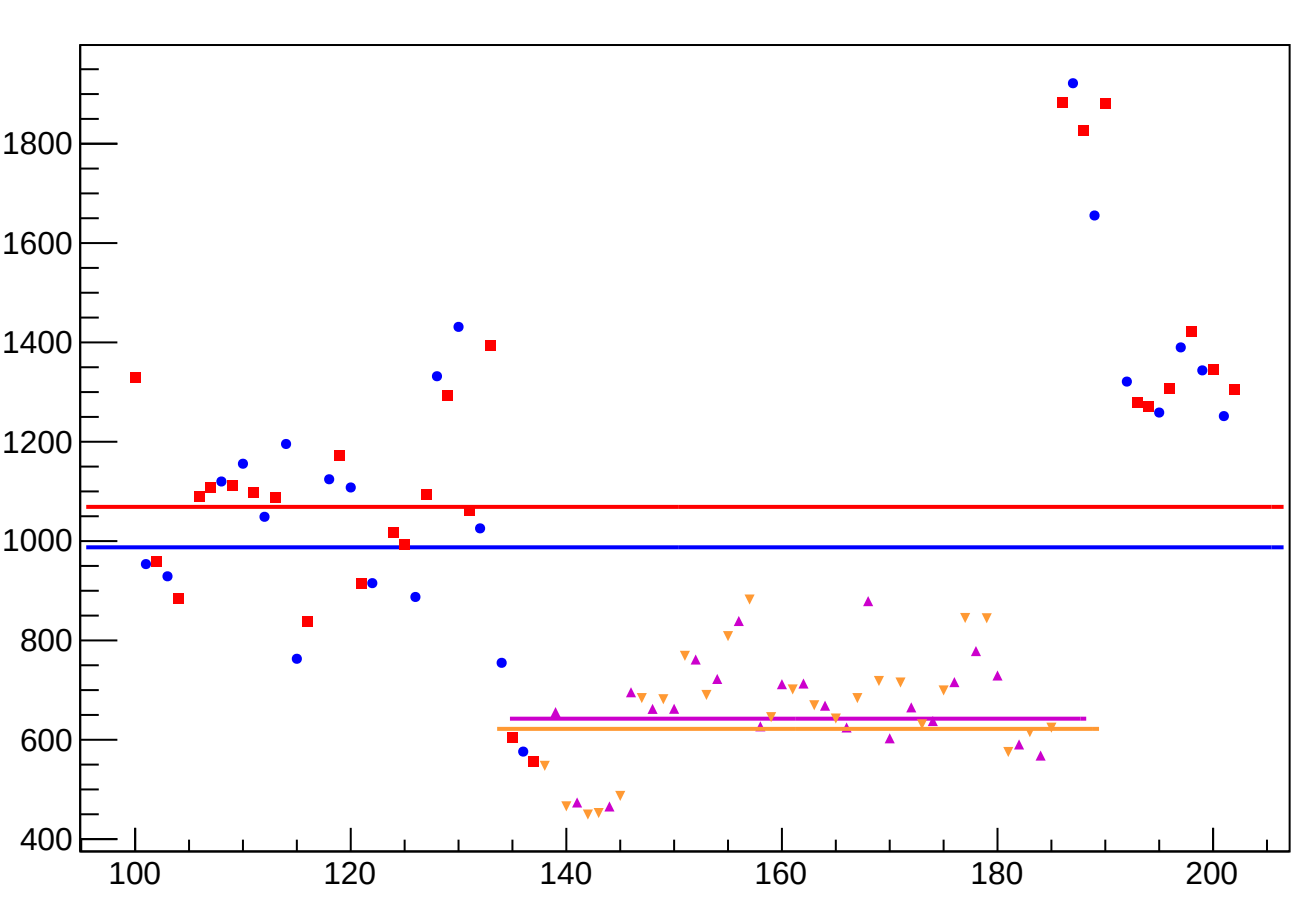
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 70.284+/-209.153 χ^2/NDF: 48.8/50

In: 97.266+/-135.319 χ^2/NDF:54.1/45

Out: 223.740+/-129.976 χ^2/NDF:68.3/52

All: 163.049+/-93.739 χ^2/NDF: 122.9/98



Right In: 987.477+/-0.208 χ^2/NDF: 2041161.0/22

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1068.878+/-0.210 χ^2/NDF: 2147853.7/27

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

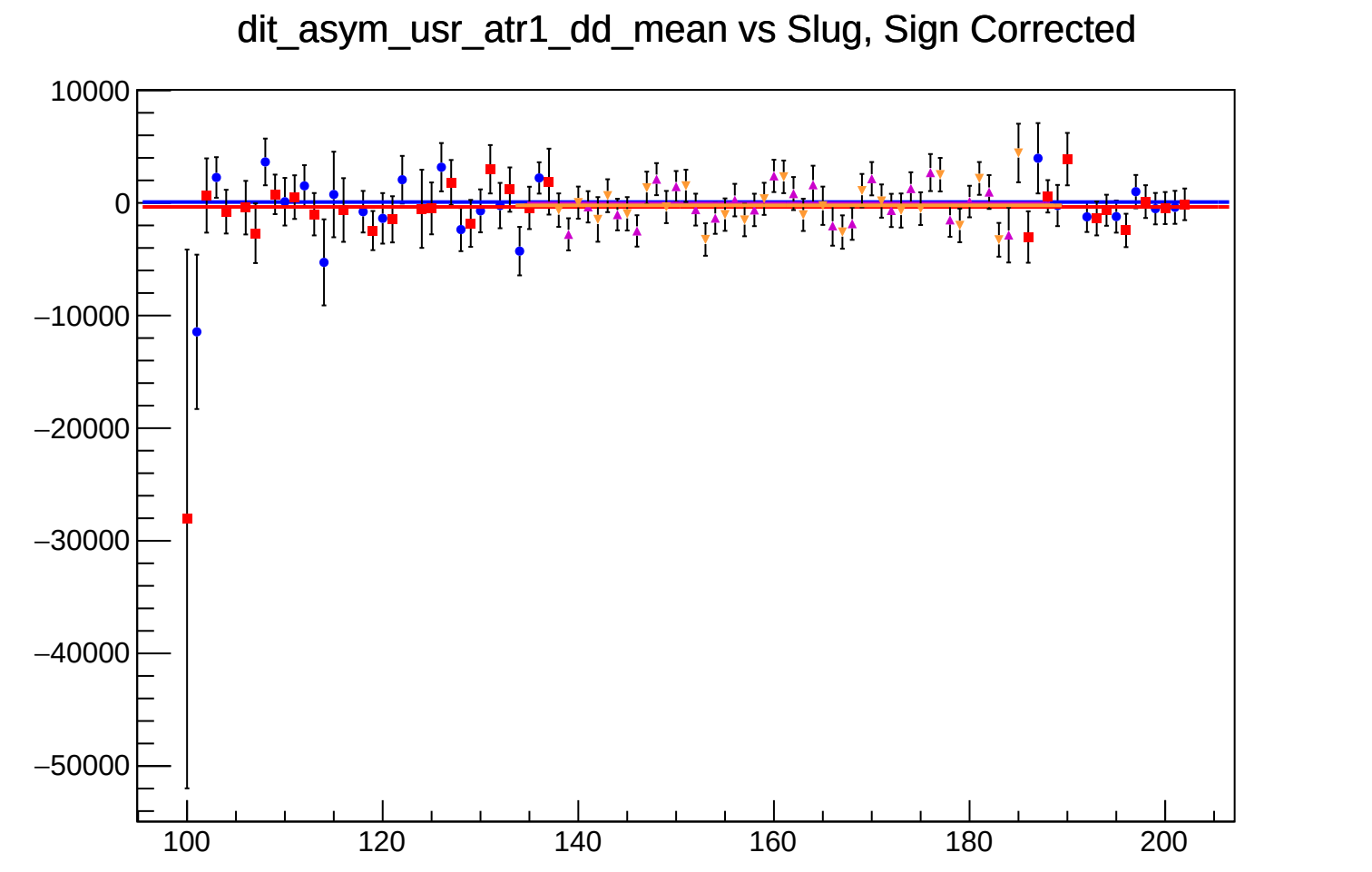
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1027.866+/-0.148 χ^2/NDF: 4264747.1/50

In: 715.226+/-0.096 χ^2/NDF:5131159.8/45

Out: 707.589+/-0.092 χ^2/NDF:7194182.3/52

All: 711.254+/-0.066 χ^2/NDF: 12328655.9/98



Right In: 76.406+/-390.310 χ^2/NDF: 25.8/22

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -357.442+/-361.880 χ^2/NDF: 17.8/27

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

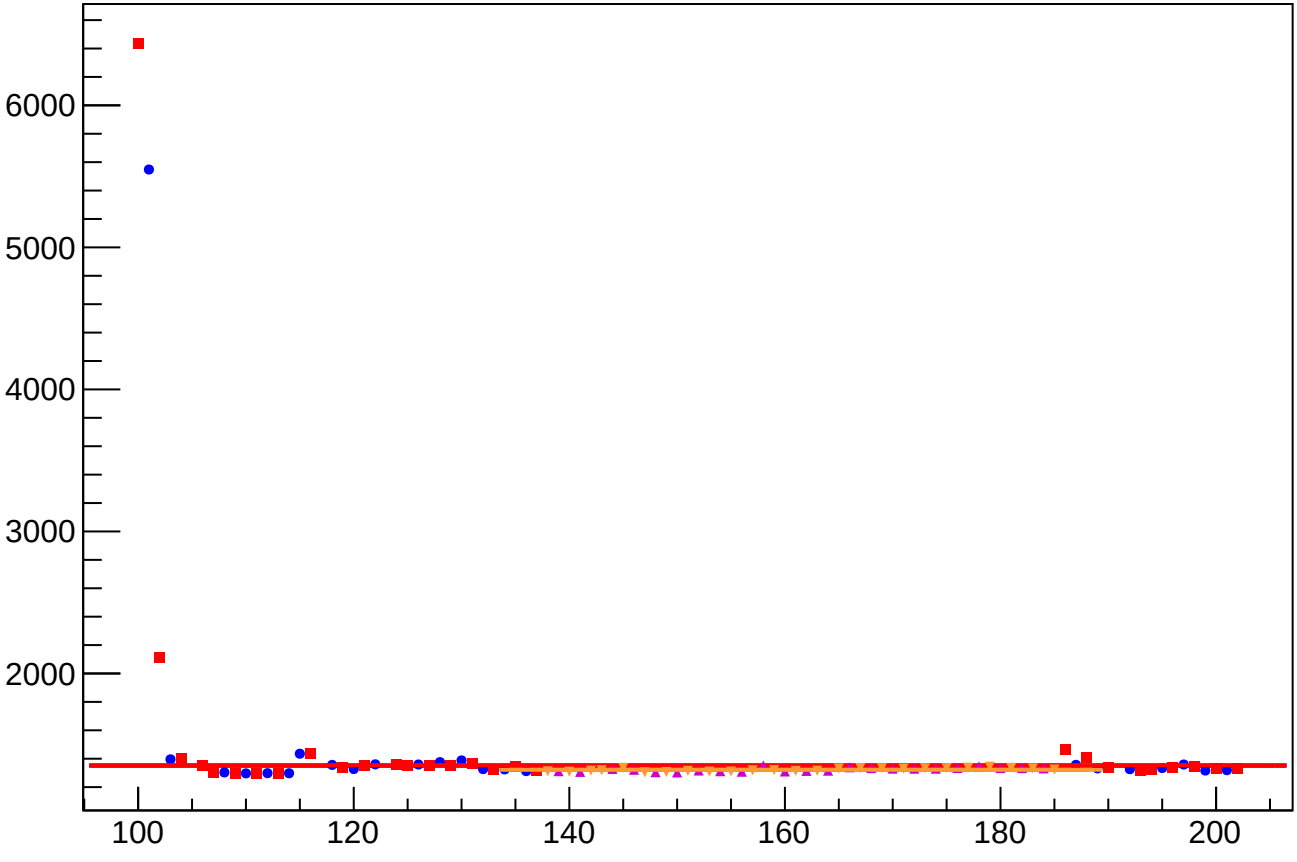
Right: -156.892+/-265.370 χ^2/NDF: 44.3/50

In: -1.451+/-242.262 χ^2/NDF:53.7/45

Out: -273.126+/-231.130 χ^2/NDF:49.2/52

All: -143.673+/-167.231 χ^2/NDF: 103.5/98

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1350.552+/-0.276 χ^2/NDF: 763819.1/22

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1354.558+/-0.256 χ^2/NDF: 217195.9/27

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

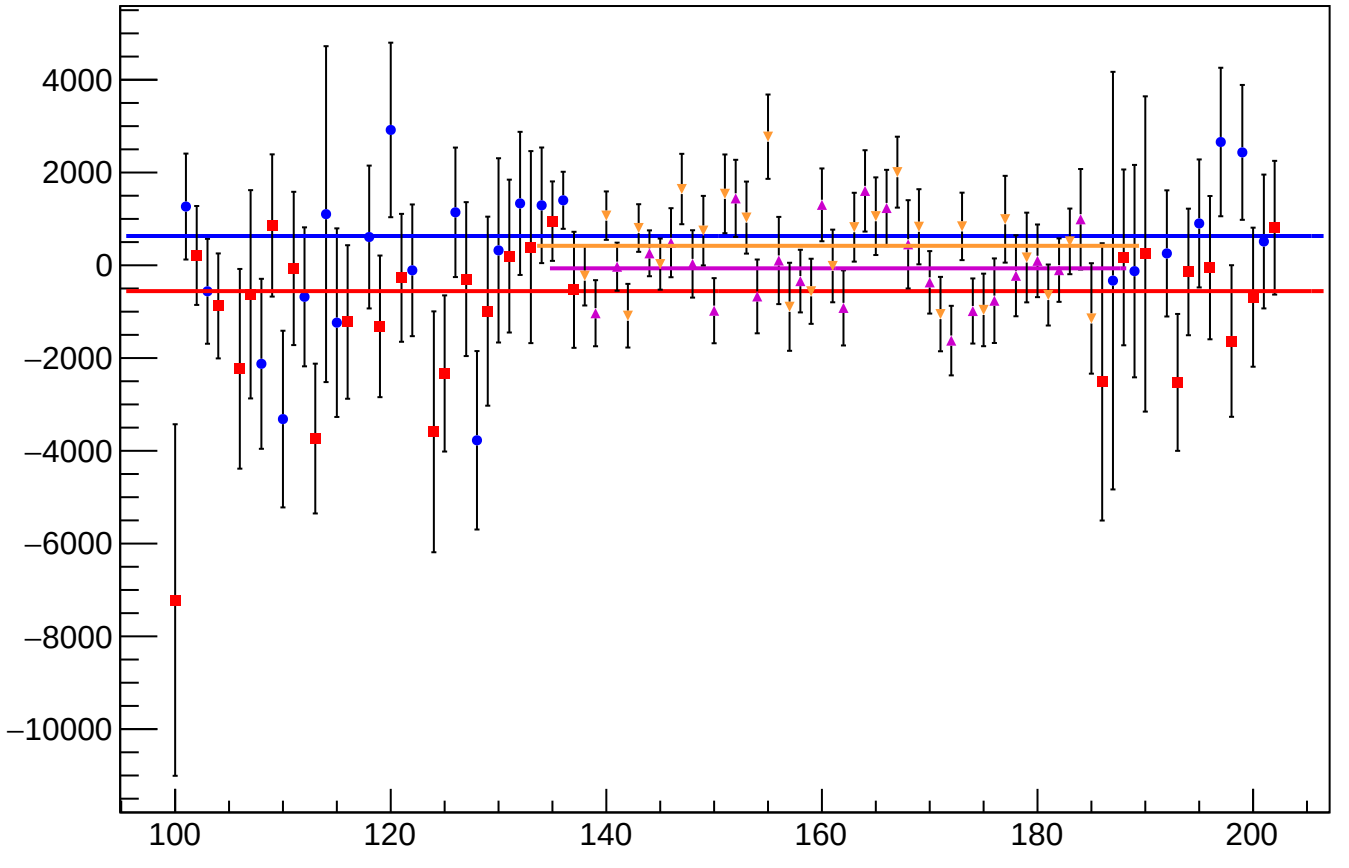
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1352.707+/-0.188 χ^2/NDF: 981128.2/50

In: 1333.822+/-0.171 χ^2/NDF:773652.9/45

Out: 1335.500+/-0.163 χ^2/NDF:229497.0/52

All: 1334.700+/-0.118 χ^2/NDF: 1003200.0/98



Right In: 631.473+/-295.143 χ^2/NDF: 22.2/22

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -556.873+/-294.360 χ^2/NDF: 19.6/27

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

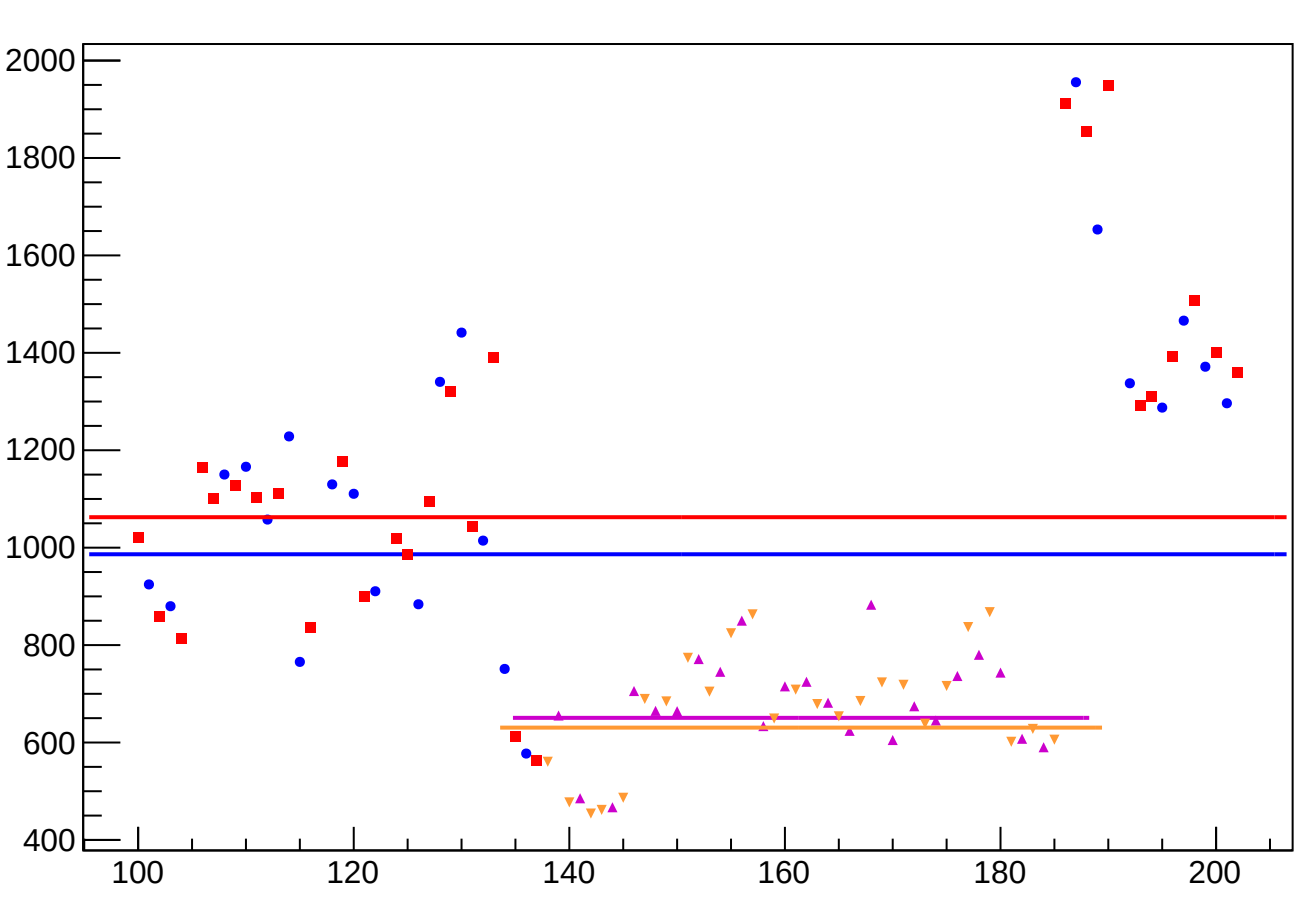
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 35.721+/-208.420 χ^2/NDF: 49.9/50

In: 84.064+/-136.688 χ^2/NDF:53.6/45

Out: 226.124+/-131.109 χ^2/NDF:69.9/52

All: 158.053+/-94.619 χ^2/NDF: 124.2/98



Right In: 986.464+/-0.209 χ^2/NDF: 2169512.1/22

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1062.566+/-0.208 χ^2/NDF: 2407453.1/27

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

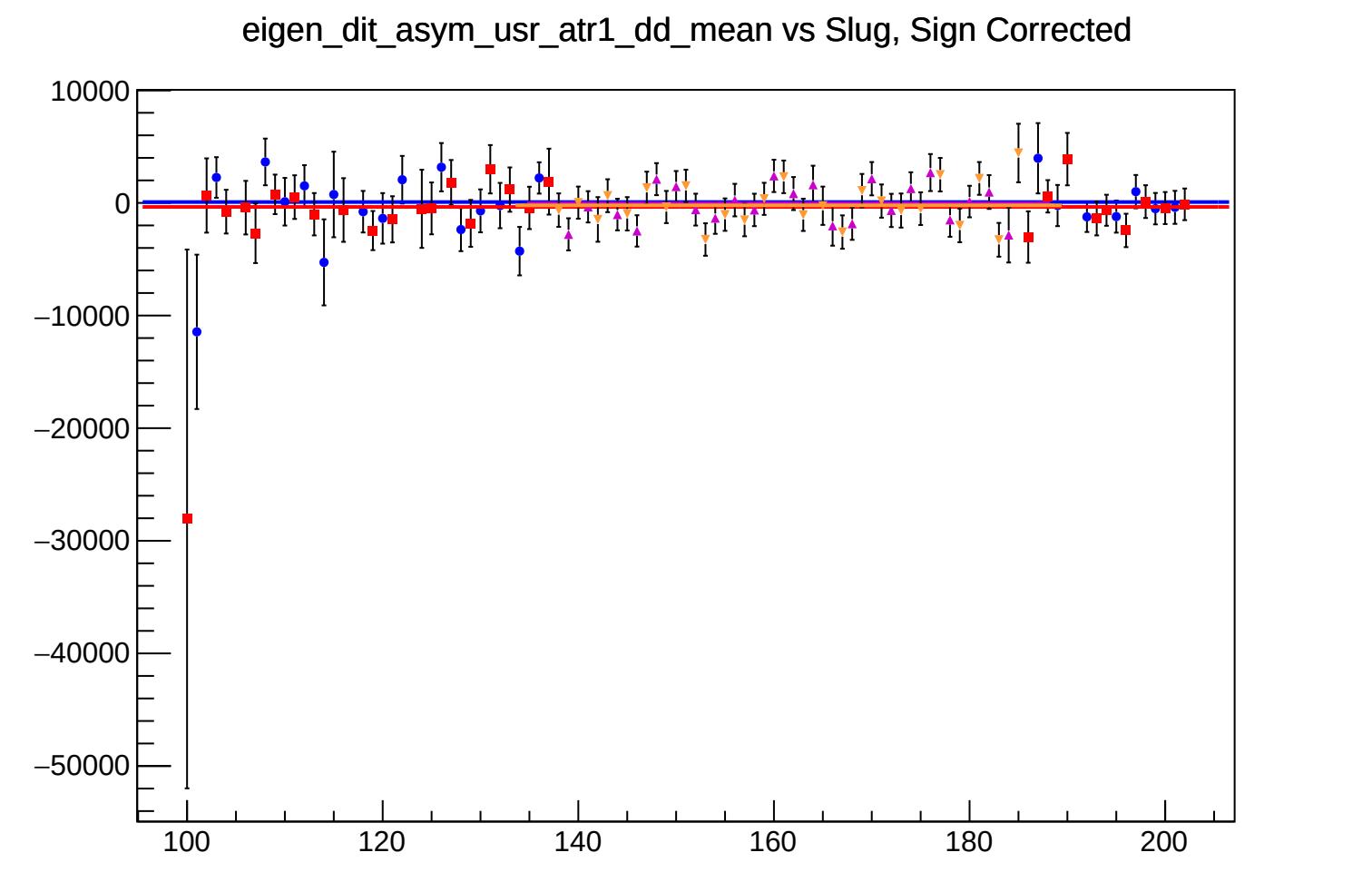
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 1024.616+/-0.147 χ^2/NDF: 4643627.0/50

In: 722.666+/-0.097 χ^2/NDF:5125588.3/45

Out: 716.288+/-0.093 χ^2/NDF:7188707.9/52

All: 719.344+/-0.067 χ^2/NDF: 12316564.4/98



Right In: 76.405+/-390.310 χ^2/NDF: 25.8/22

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -357.442+/-361.880 χ^2/NDF: 17.8/27

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

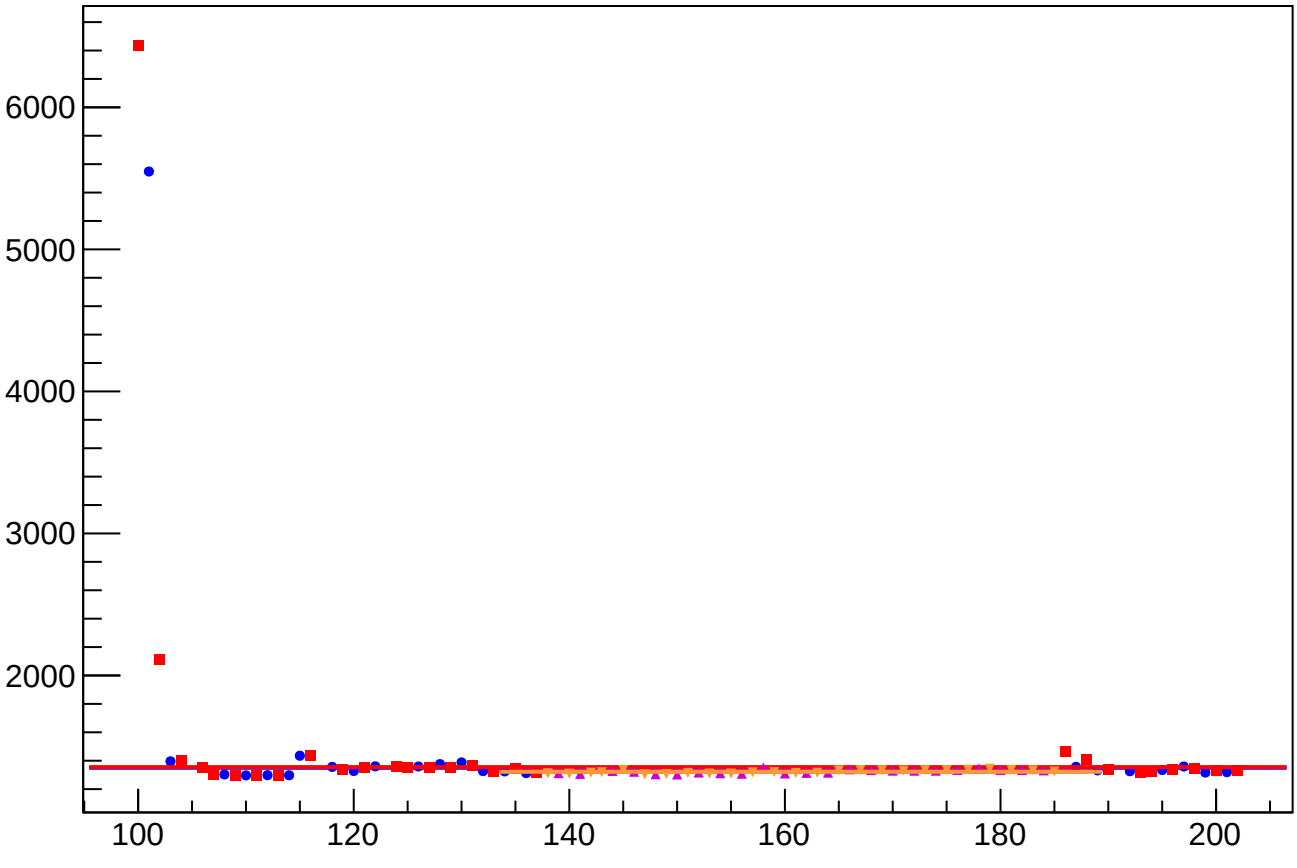
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -156.892+/-265.370 χ^2/NDF: 44.3/50

In: -1.451+/-242.262 χ^2/NDF:53.7/45

Out: -273.127+/-231.130 χ^2/NDF:49.2/52

All: -143.674+/-167.231 χ^2/NDF: 103.5/98



Right In: 1350.552+/-0.276 χ^2/NDF: 763819.0/22

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1354.558+/-0.256 χ^2/NDF: 217195.8/27

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

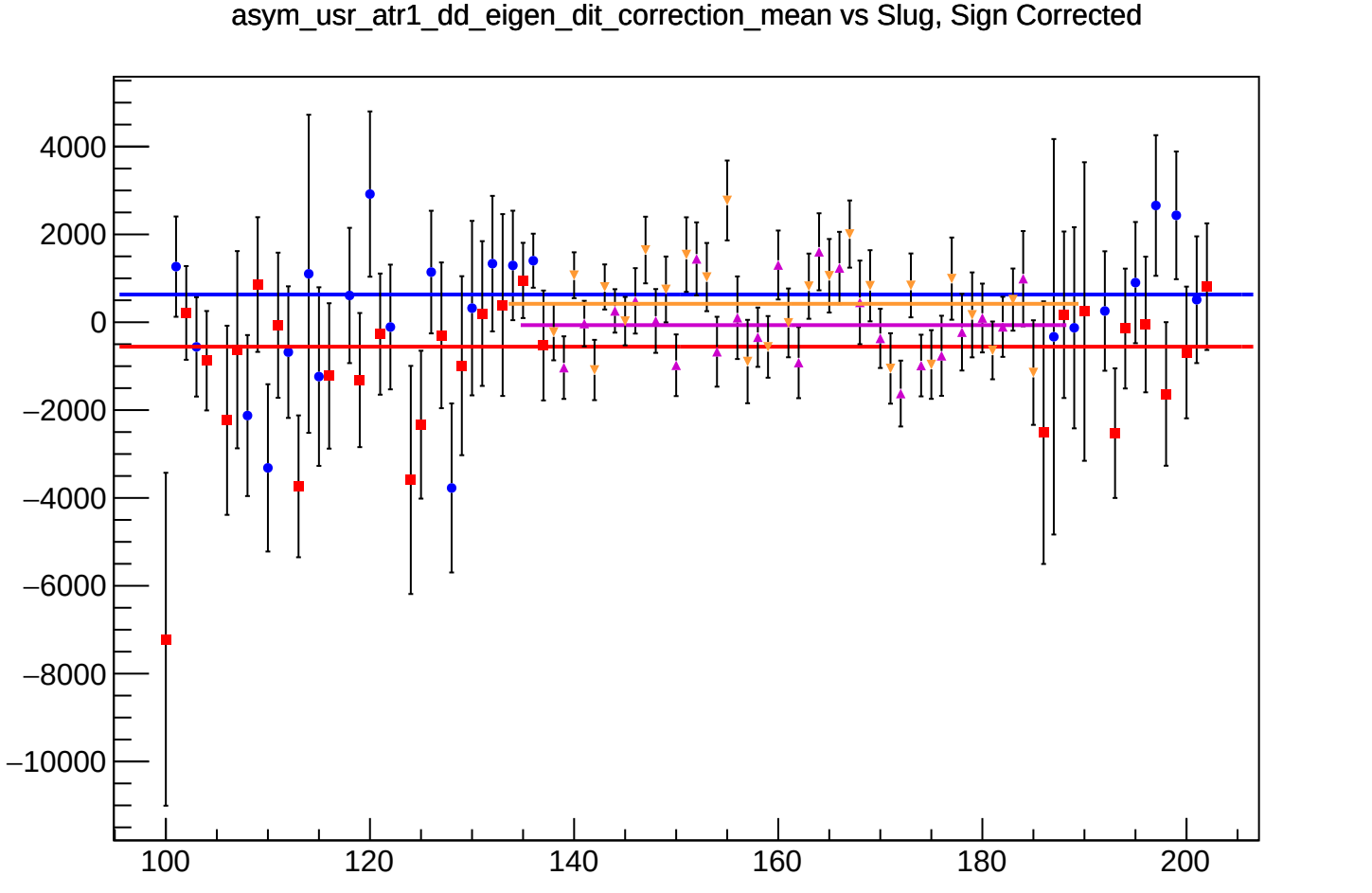
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1352.707+/-0.188 χ^2/NDF: 981128.1/50

In: 1333.822+/-0.171 χ^2/NDF:773652.8/45

Out: 1335.500+/-0.163 χ^2/NDF:229496.9/52

All: 1334.700+/-0.118 χ^2/NDF: 1003199.9/98



Right In: 631.471+/-295.143 χ^2/NDF: 22.2/22

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -556.873+/-294.360 χ^2/NDF: 19.6/27

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

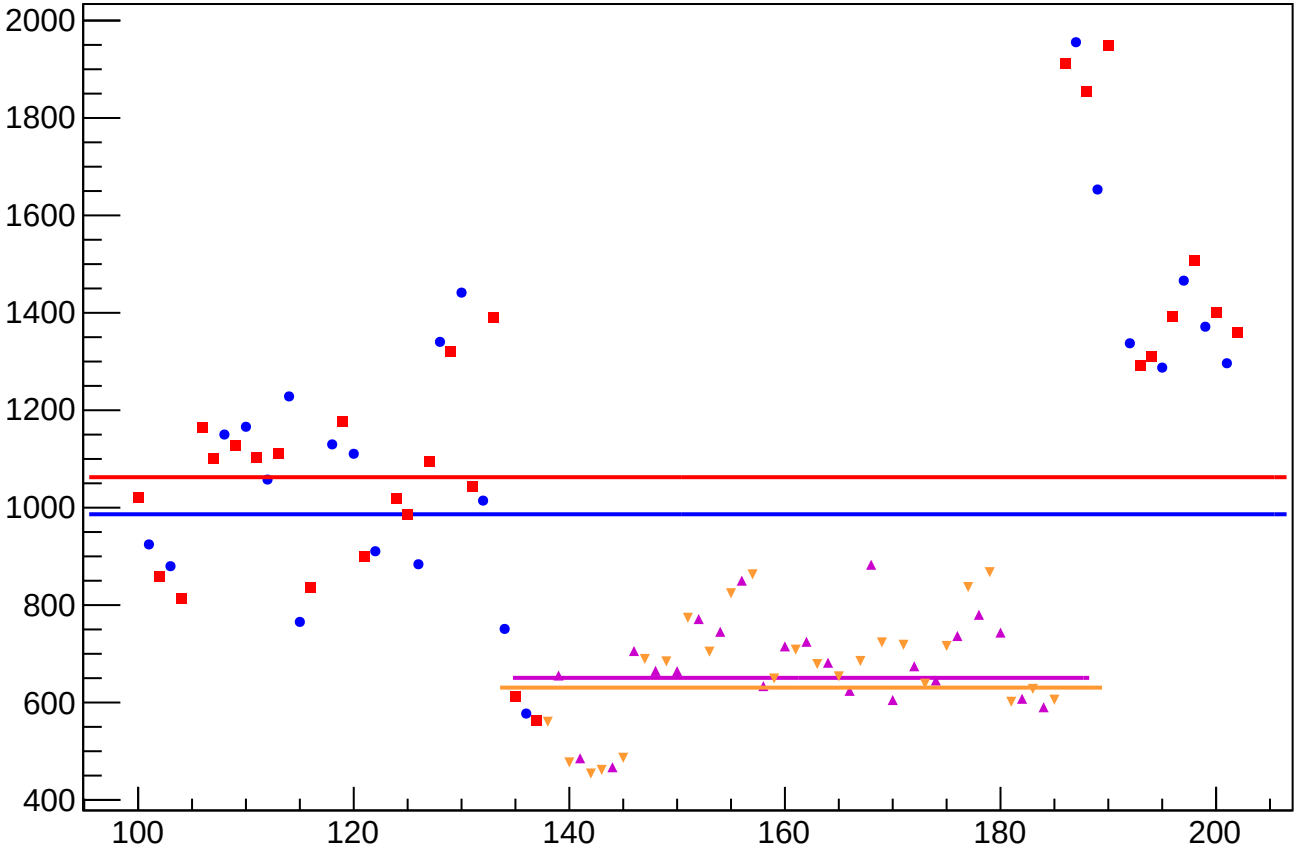
Right: 35.720+/-208.420 χ^2/NDF: 49.9/50

In: 84.065+/-136.688 χ^2/NDF:53.6/45

Out: 226.123+/-131.109 χ^2/NDF:69.9/52

All: 158.052+/-94.619 χ^2/NDF: 124.2/98

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 986.462+/-0.209 χ^2/NDF: 2169521.1/22

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1062.564+/-0.208 χ^2/NDF: 2407460.4/27

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

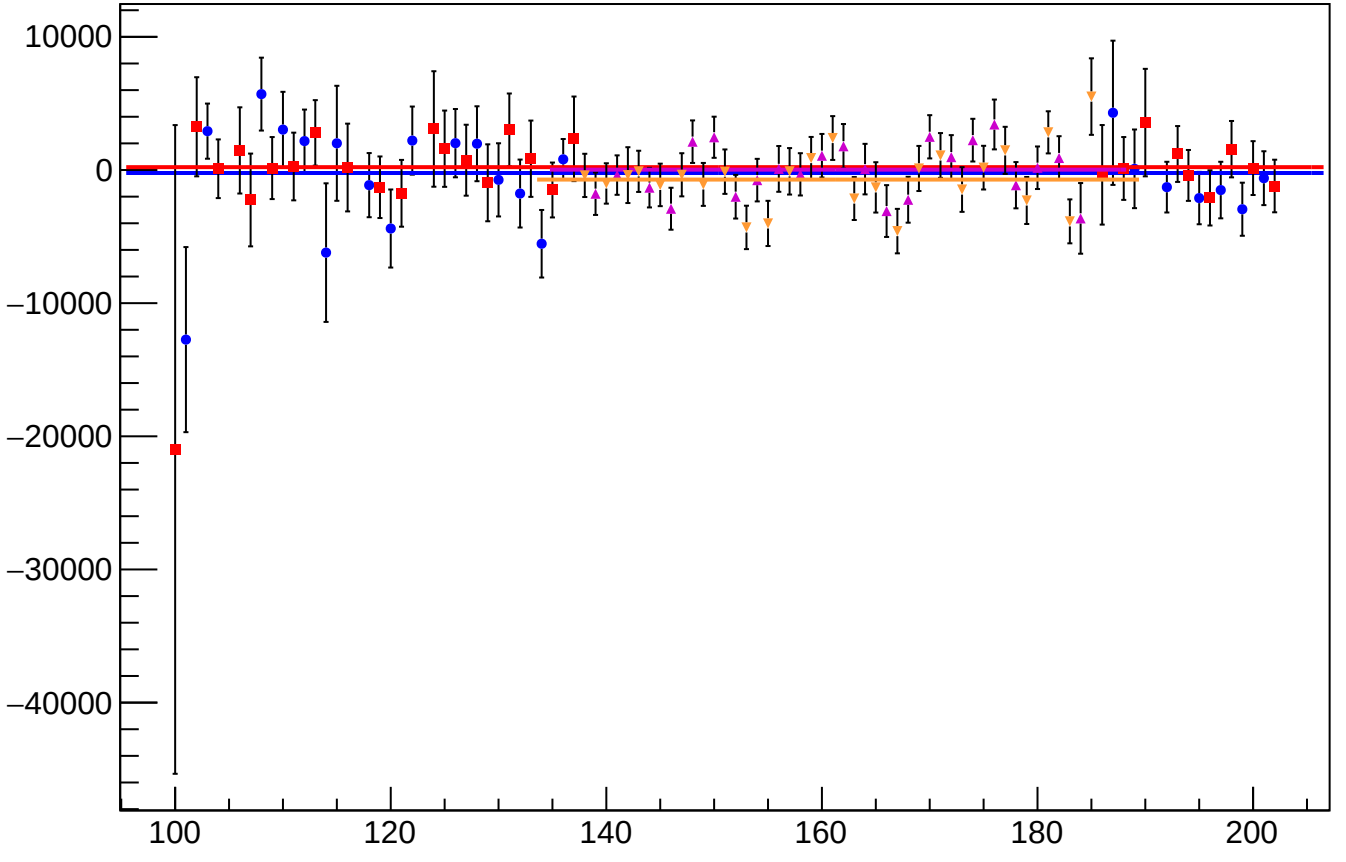
Right: 1024.614+/-0.147 χ^2/NDF: 4643644.3/50

In: 722.667+/-0.097 χ^2/NDF:5125571.0/45

Out: 716.288+/-0.093 χ^2/NDF:7188704.1/52

All: 719.345+/-0.067 χ^2/NDF: 12316543.5/98

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -223.899+/-514.797 χ^2/NDF: 28.0/22

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 214.347+/-488.176 χ^2/NDF: 10.5/27

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

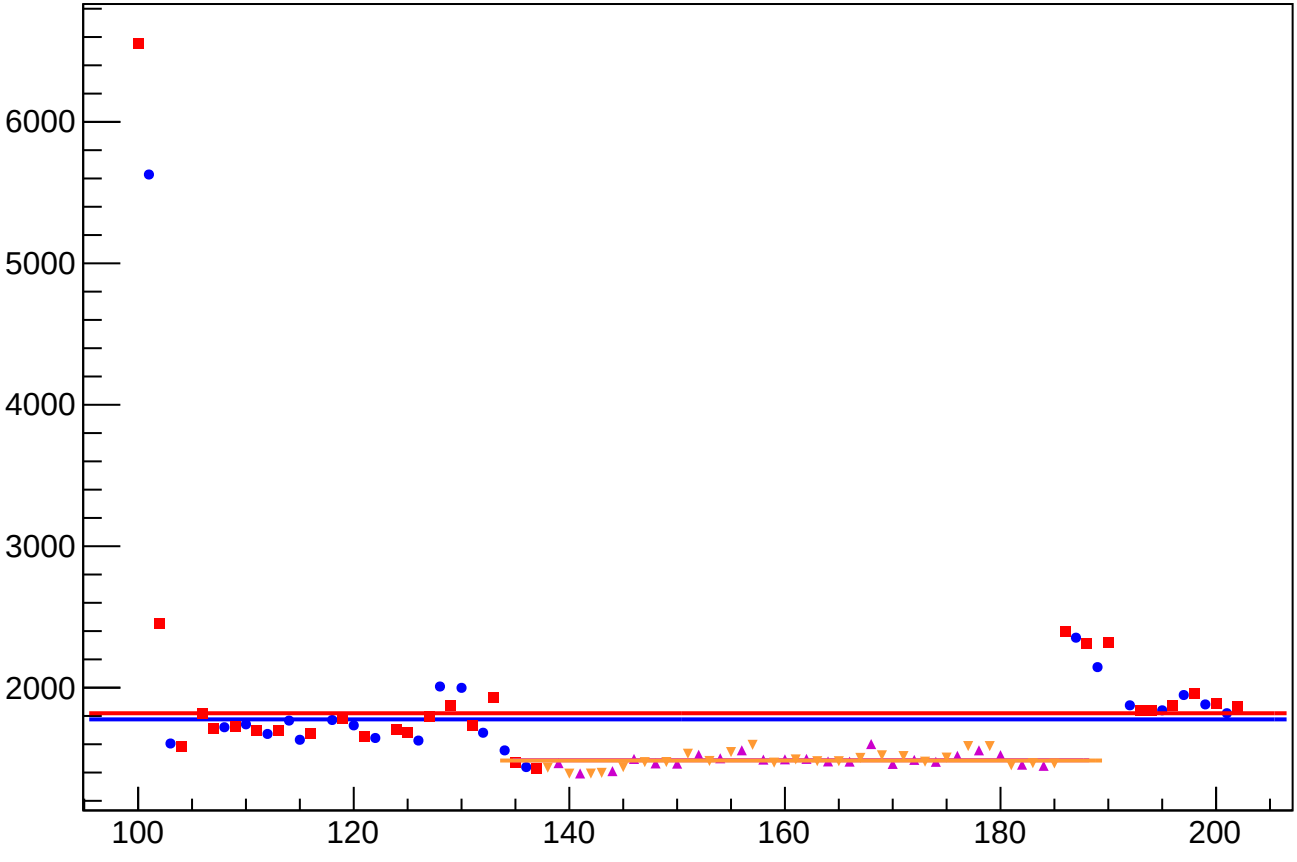
Right: 6.848+/-354.230 χ^2/NDF: 39.0/50

In: -51.158+/-287.973 χ^2/NDF:56.2/45

Out: -416.589+/-277.658 χ^2/NDF:50.7/52

All: -240.536+/-199.881 χ^2/NDF: 107.8/98

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1775.840+/-0.364 χ^2/NDF: 871214.8/22

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1819.192+/-0.345 χ^2/NDF: 462208.3/27

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

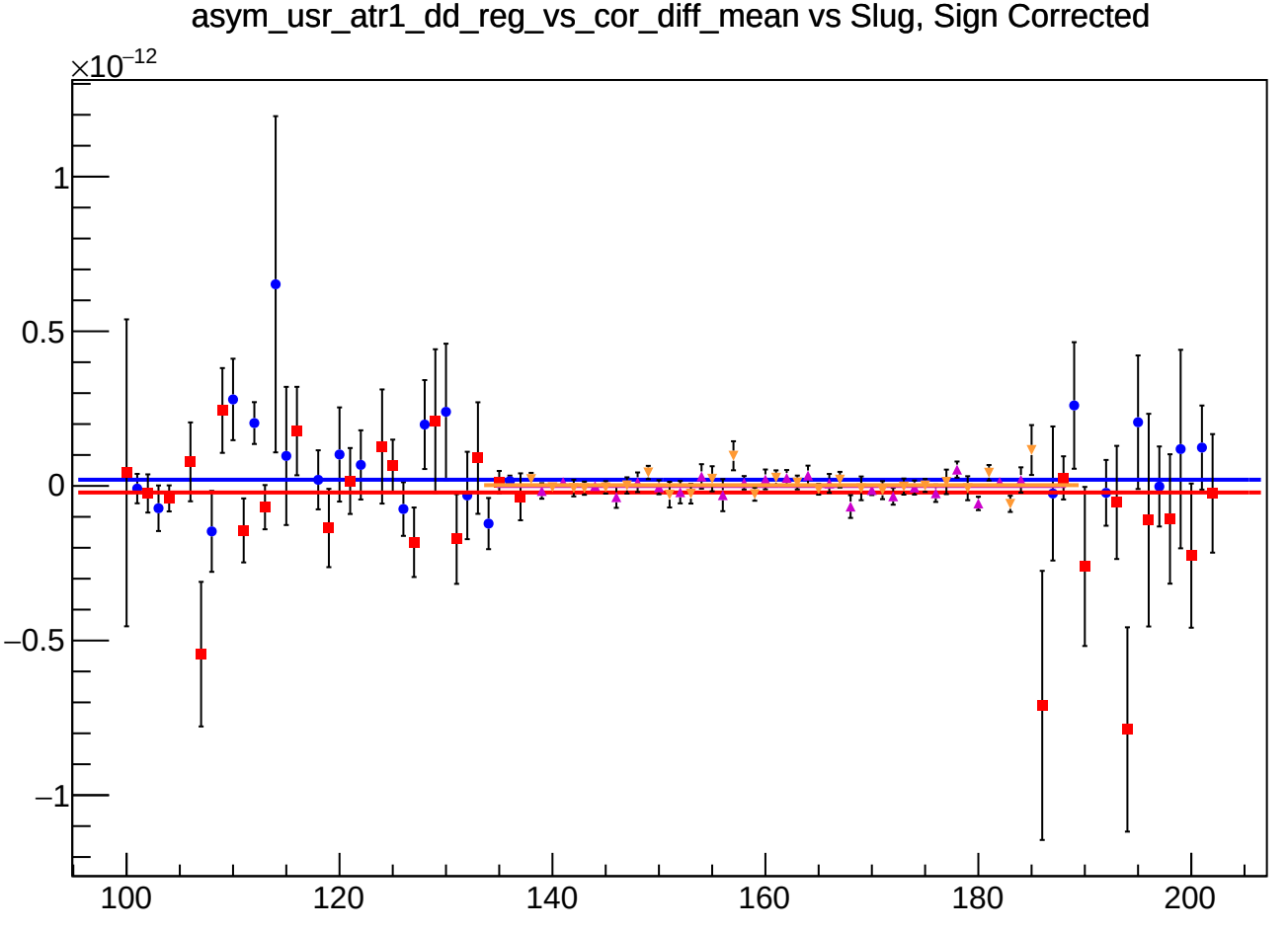
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1798.666+/-0.250 χ^2/NDF: 1340890.9/50

In: 1577.461+/-0.204 χ^2/NDF:1338288.4/45

Out: 1593.082+/-0.196 χ^2/NDF:1147339.2/52

All: 1585.556+/-0.141 χ^2/NDF: 2488677.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/27

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

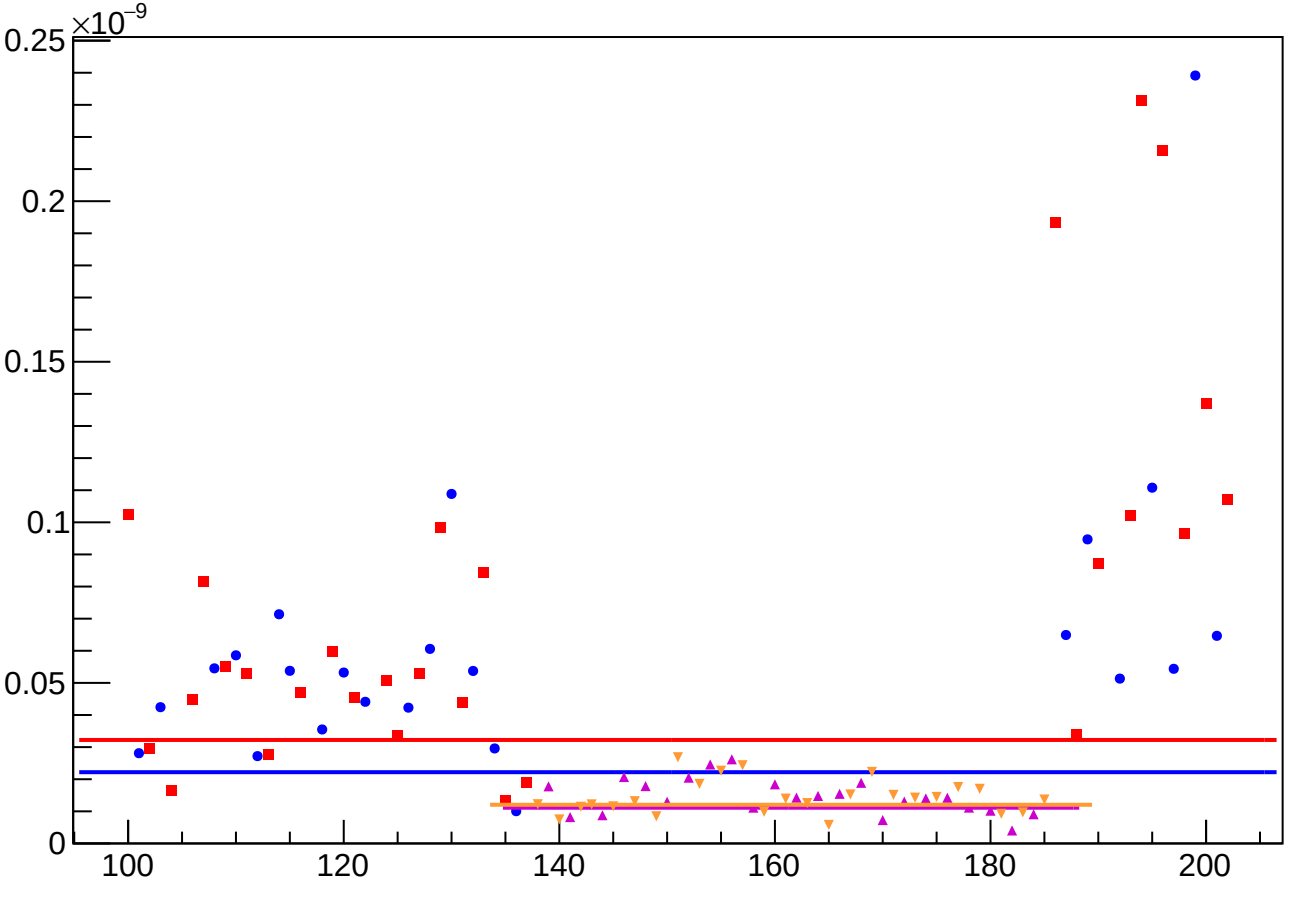
Right: 0.000+/-0.000 χ^2/NDF: 61.5/50

In: 0.000+/-0.000 χ^2/NDF:53.4/45

Out: 0.000+/-0.000 χ^2/NDF:58.6/52

All: 0.000+/-0.000 χ^2/NDF: 112.1/98

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4397476.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4628342.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

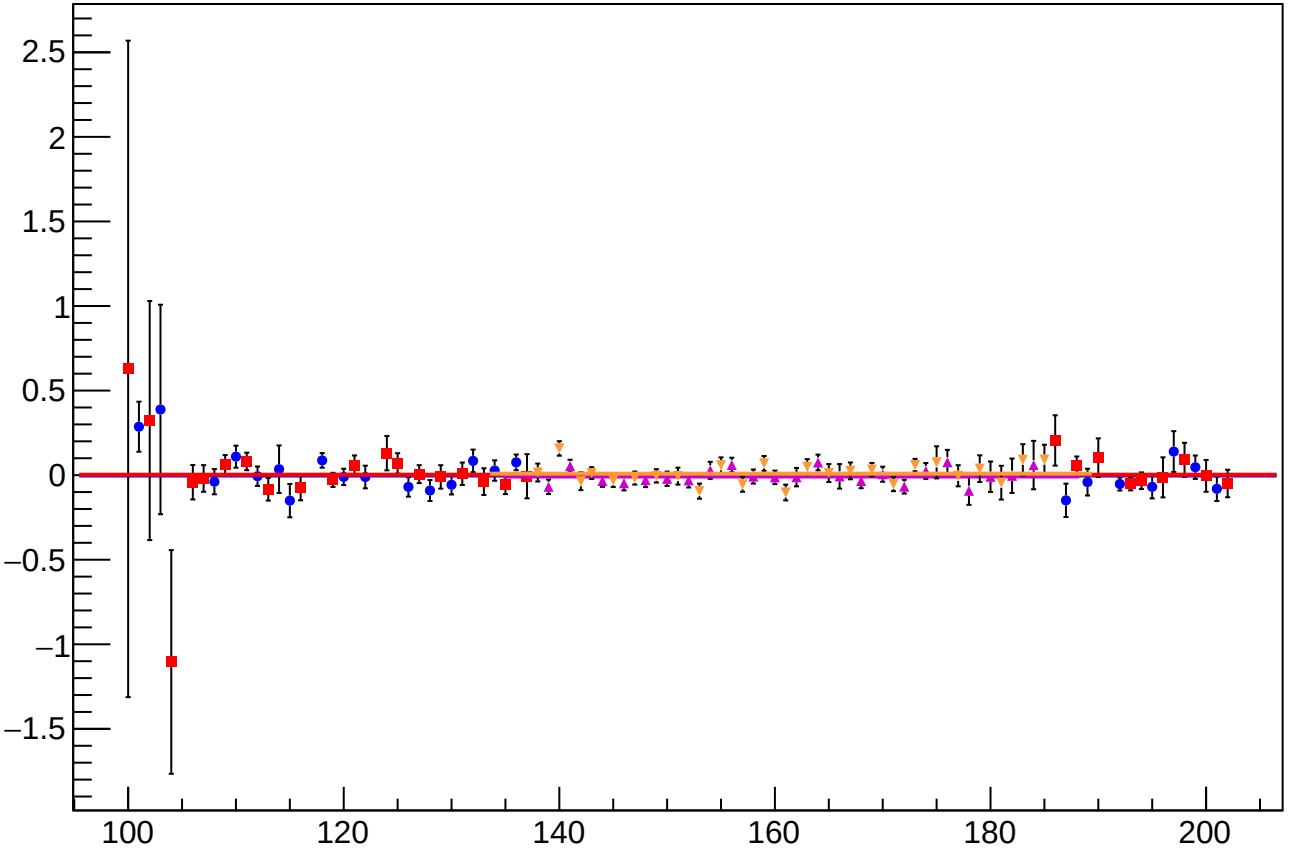
Right: 0.000+/-0.000 χ^2/NDF: 9413455.4/50

In: 0.000+/-0.000 χ^2/NDF:7726068.8/45

Out: 0.000+/-0.000 χ^2/NDF:8481004.9/52

All: 0.000+/-0.000 χ^2/NDF: 16267916.2/98

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 31.3/22

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/27

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

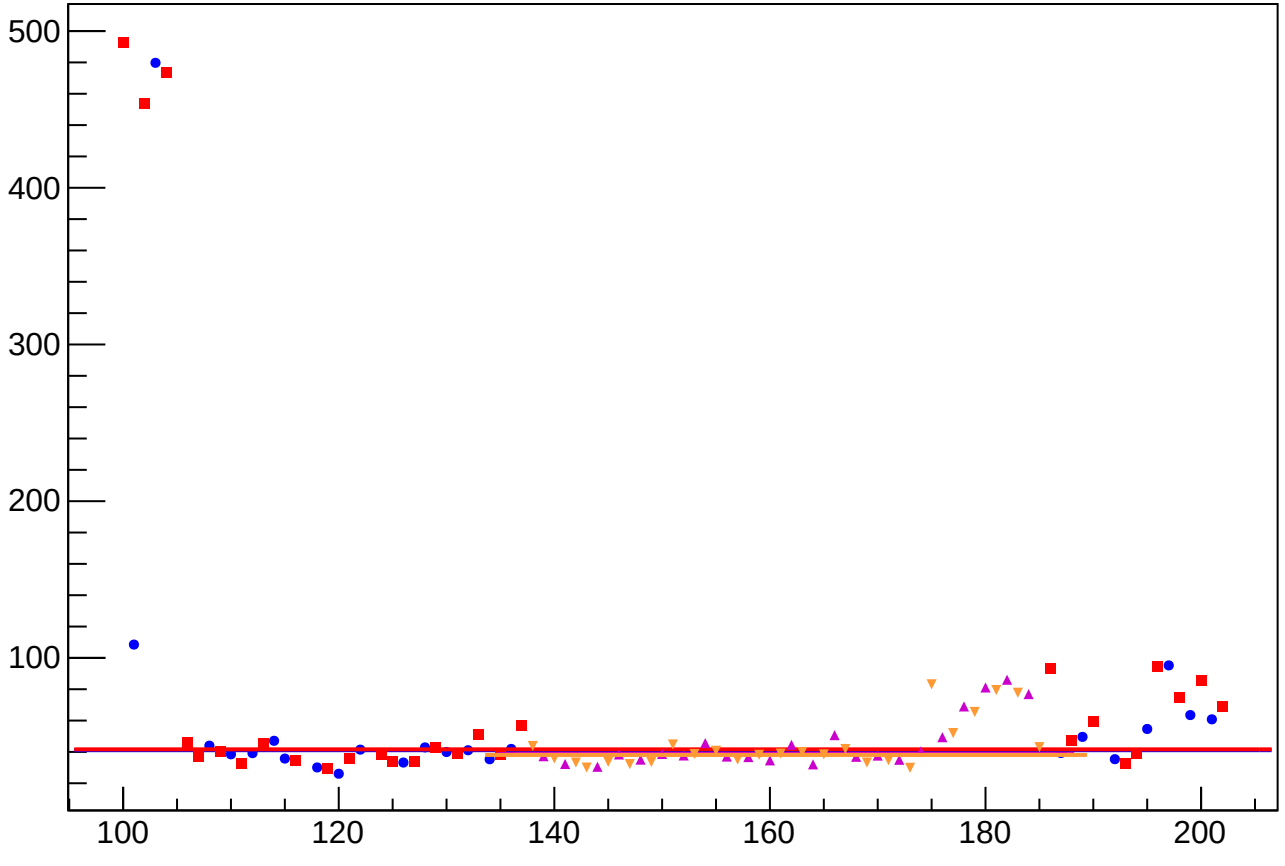
Right: 0.000+/-0.009 χ^2/NDF: 53.5/50

In: -0.006+/-0.008 χ^2/NDF:50.3/45

Out: 0.007+/-0.008 χ^2/NDF:60.9/52

All: 0.001+/-0.006 χ^2/NDF: 112.5/98

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.099+/-0.009 χ^2/NDF: 2725695.1/22

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.638+/-0.009 χ^2/NDF: 3778260.2/27

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

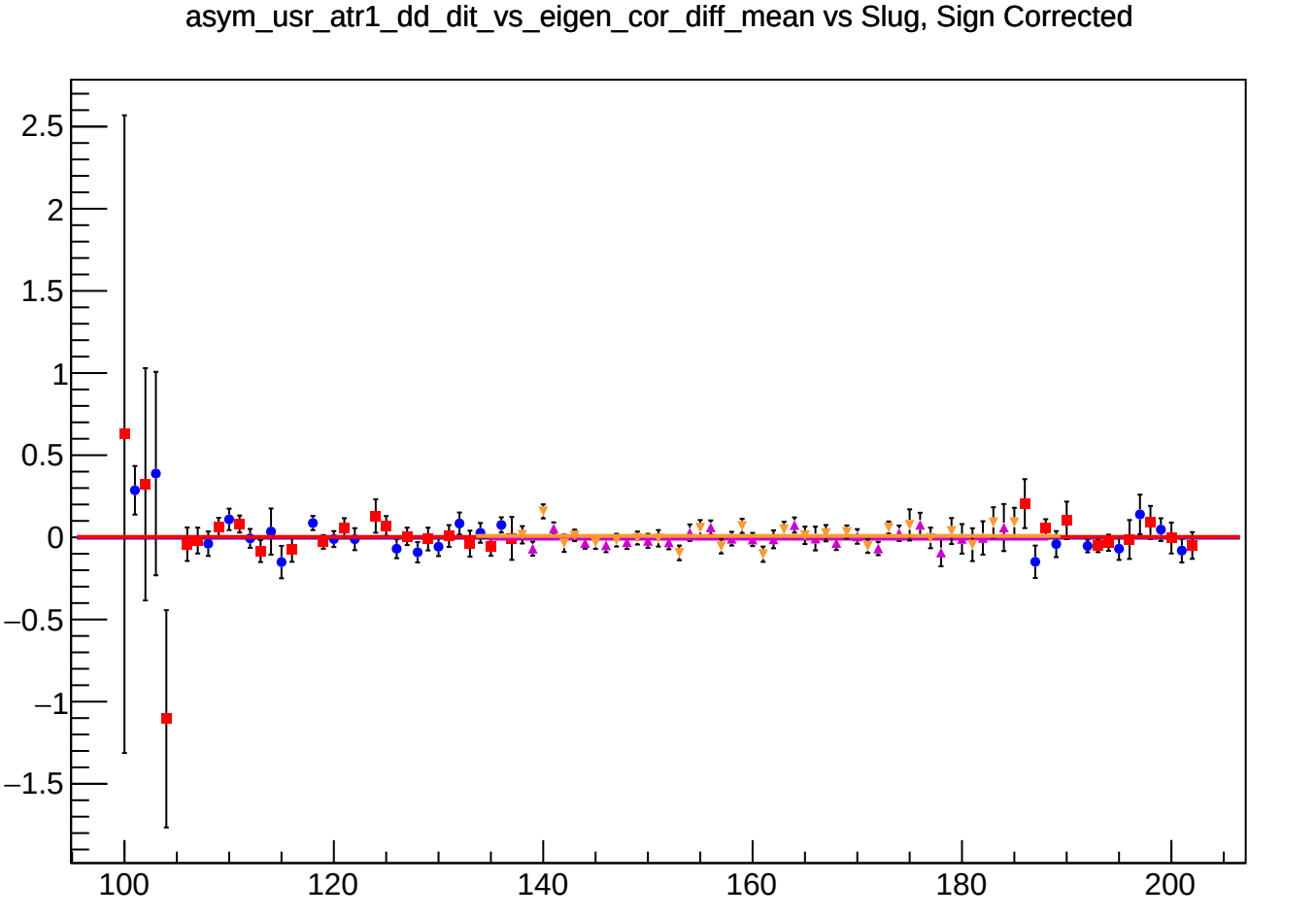
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.376+/-0.007 χ^2/NDF: 6505608.5/50

In: 39.502+/-0.006 χ^2/NDF:4497161.4/45

Out: 39.313+/-0.005 χ^2/NDF:5842496.1/52

All: 39.404+/-0.004 χ^2/NDF: 10340238.5/98



Right In: -0.002+/-0.013 χ^2/NDF: 31.3/22

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/27

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

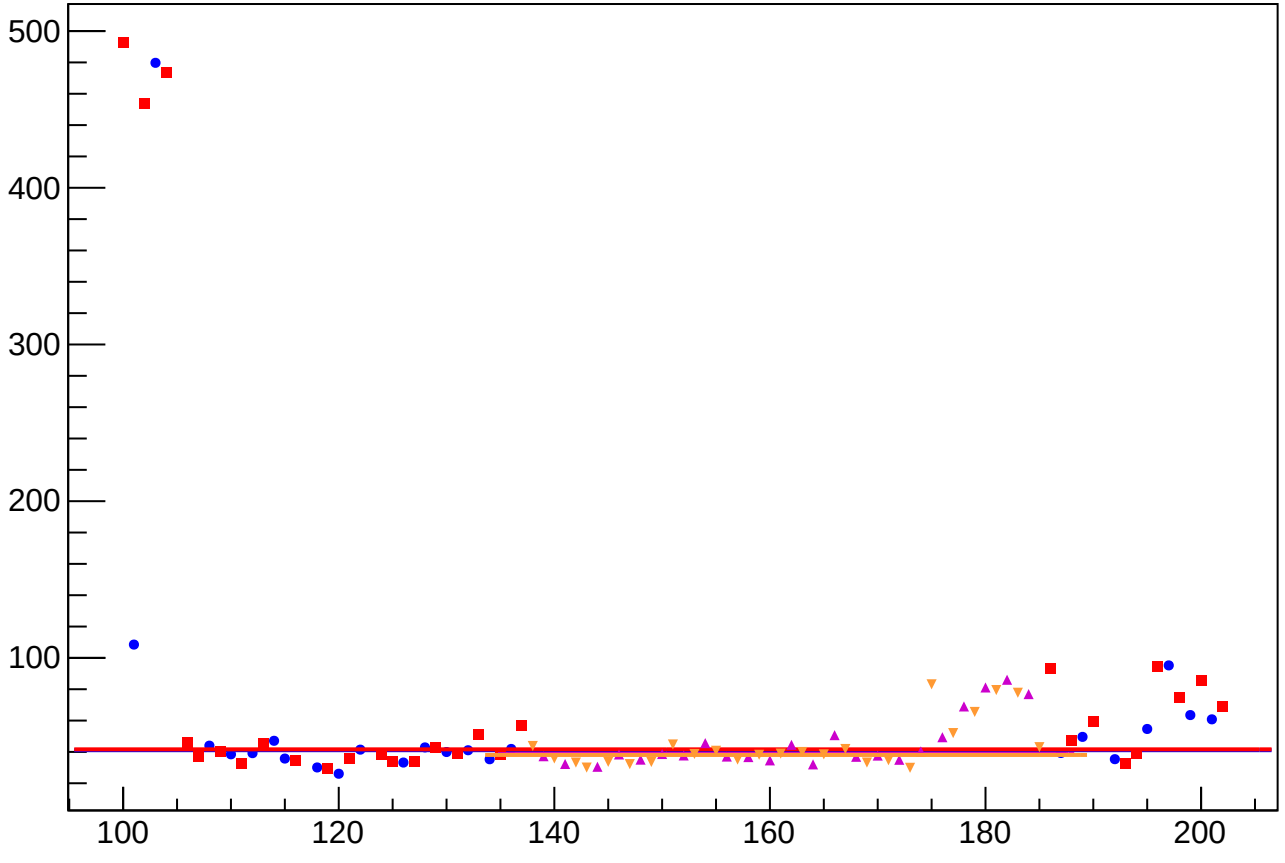
Right: 0.000+/-0.009 χ^2/NDF: 53.5/50

In: -0.006+/-0.008 χ^2/NDF:50.3/45

Out: 0.007+/-0.008 χ^2/NDF:60.9/52

All: 0.001+/-0.006 χ^2/NDF: 112.5/98

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.099+/-0.009 χ^2/NDF: 2725695.1/22

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.638+/-0.009 χ^2/NDF: 3778260.2/27

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

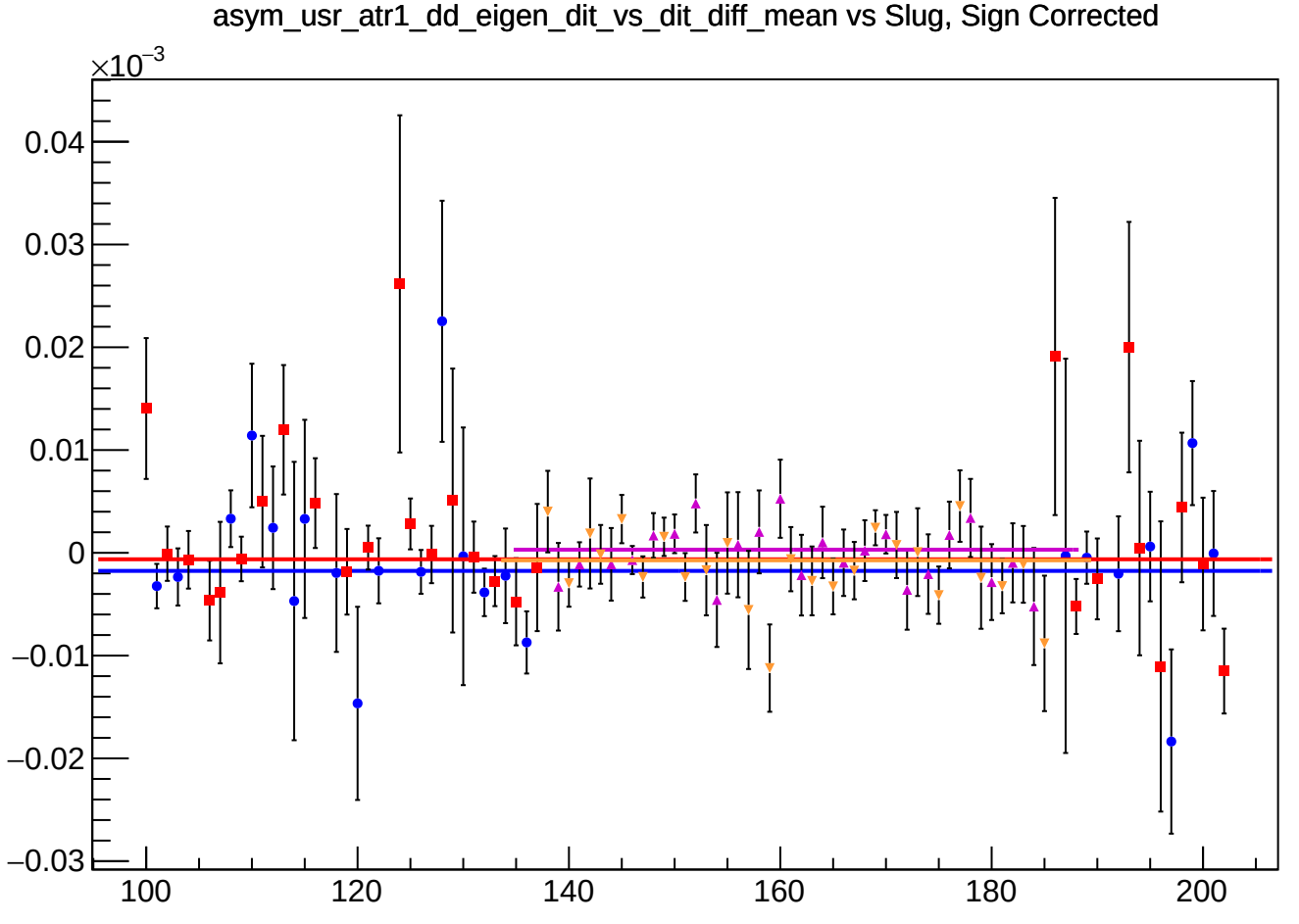
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.376+/-0.007 χ^2/NDF: 6505608.5/50

In: 39.502+/-0.006 χ^2/NDF:4497161.4/45

Out: 39.313+/-0.005 χ^2/NDF:5842496.1/52

All: 39.404+/-0.004 χ^2/NDF: 10340238.5/98



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/27

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

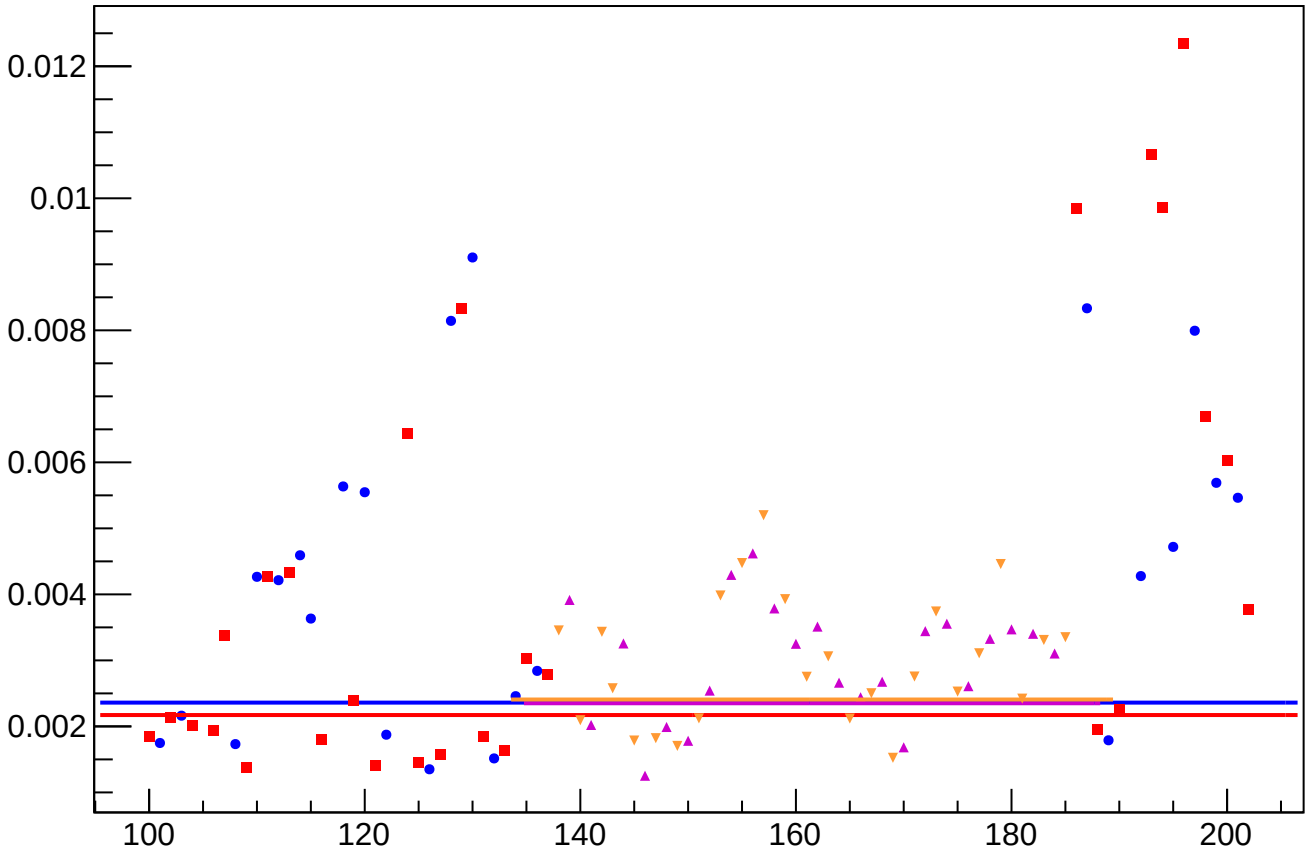
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 64.8/50

In: -0.000+/-0.000 χ^2/NDF:46.8/45

Out: -0.000+/-0.000 χ^2/NDF:61.4/52

All: -0.000+/-0.000 χ^2/NDF: 108.4/98



Right In: 0.002+/-0.000 χ^2/NDF: 6021640.2/22

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7543745.8/27

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

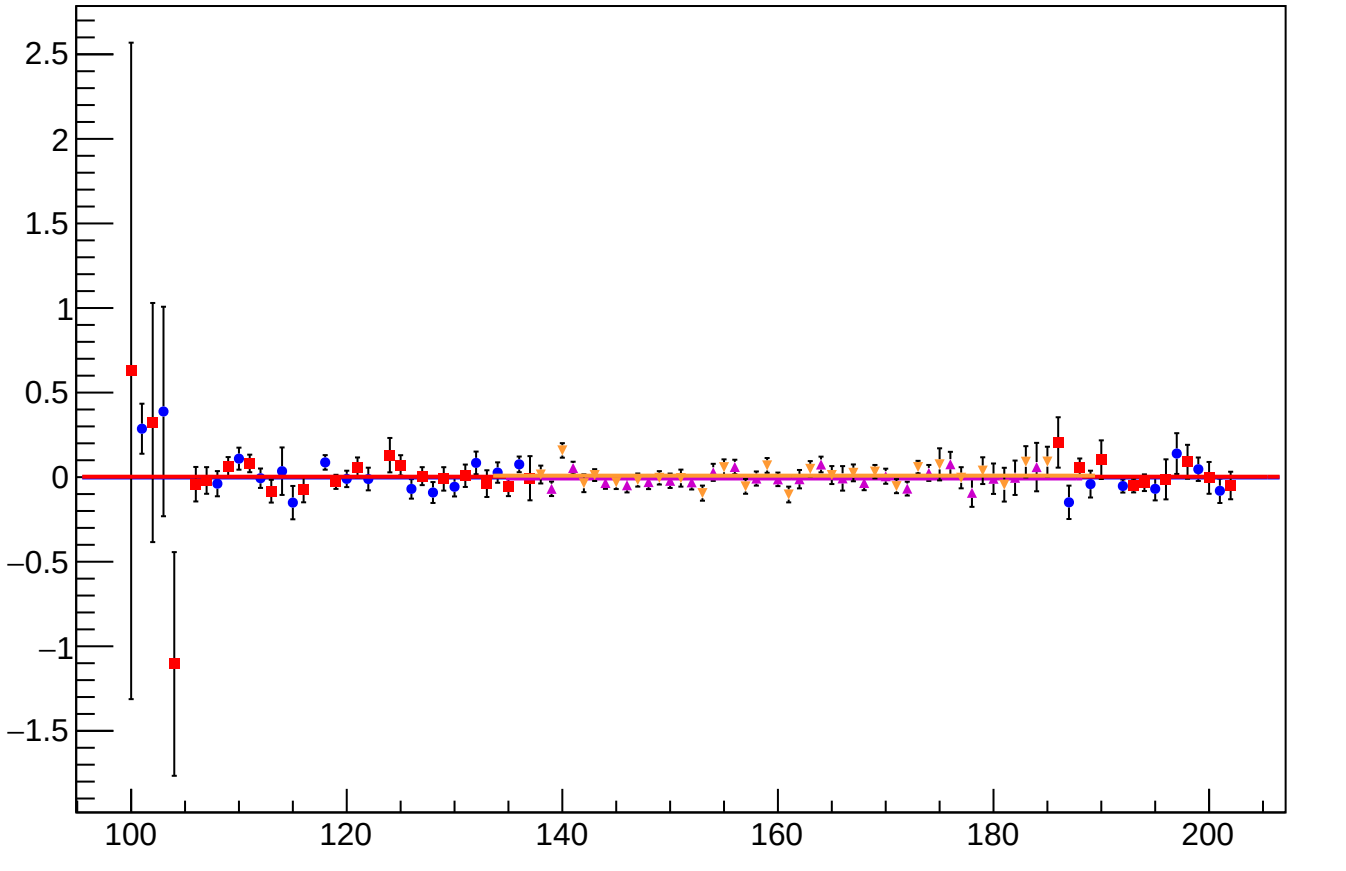
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.002+/-0.000 χ^2/NDF: 13626198.8/50

In: 0.002+/-0.000 χ^2/NDF:10459973.8/45

Out: 0.002+/-0.000 χ^2/NDF:11355829.9/52

All: 0.002+/-0.000 χ^2/NDF: 21823279.3/98



Right In: -0.002+/-0.013 χ^2/NDF: 31.3/22

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/27

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

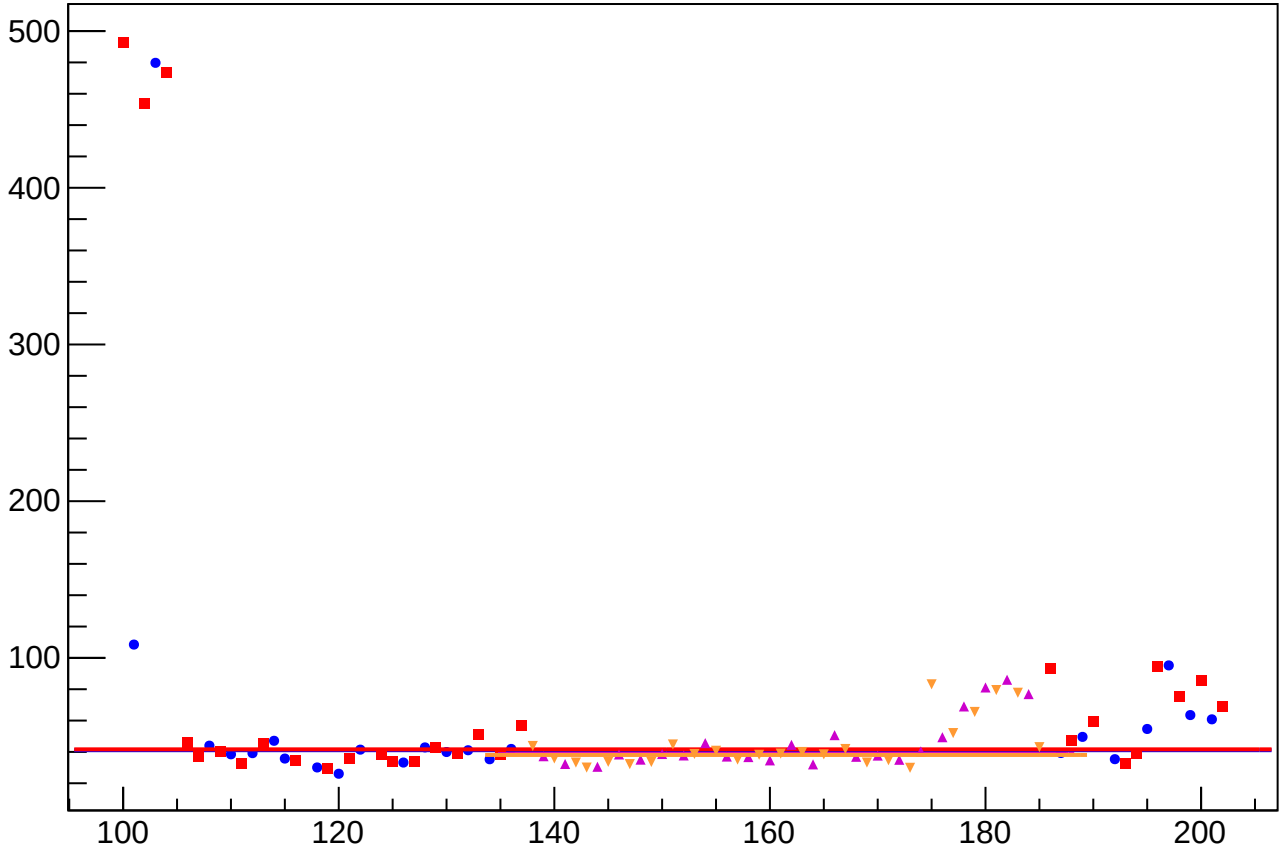
Right: 0.000+/-0.009 χ^2/NDF: 53.5/50

In: -0.006+/-0.008 χ^2/NDF:50.3/45

Out: 0.007+/-0.008 χ^2/NDF:60.9/52

All: 0.001+/-0.006 χ^2/NDF: 112.5/98

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.098+/-0.009 χ^2/NDF: 2725832.9/22

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.635+/-0.009 χ^2/NDF: 3778753.5/27

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

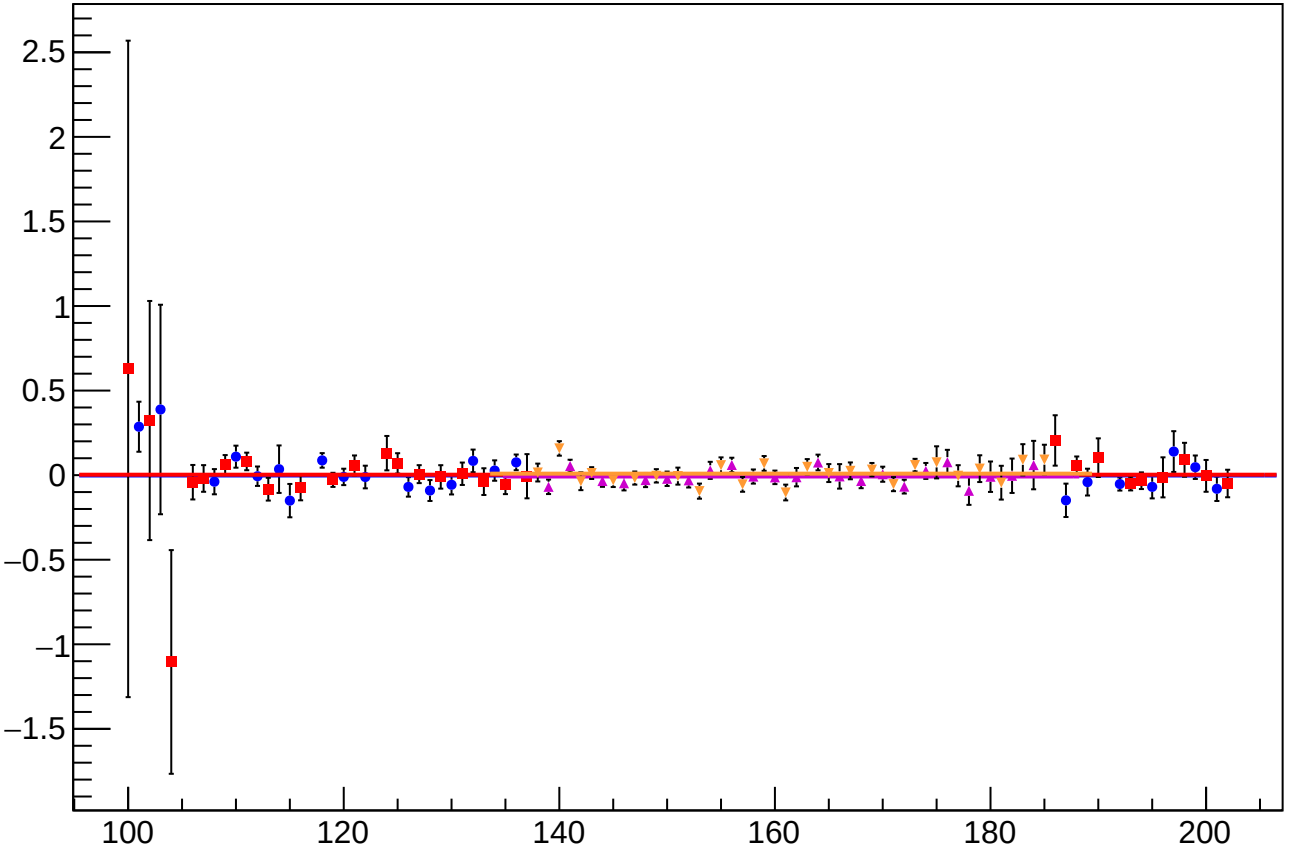
Right: 41.373+/-0.007 χ^2/NDF: 6506223.4/50

In: 39.501+/-0.006 χ^2/NDF:4497317.5/45

Out: 39.312+/-0.005 χ^2/NDF:5842812.4/52

All: 39.403+/-0.004 χ^2/NDF: 10340715.4/98

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.013 χ^2/NDF: 31.3/22

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/27

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

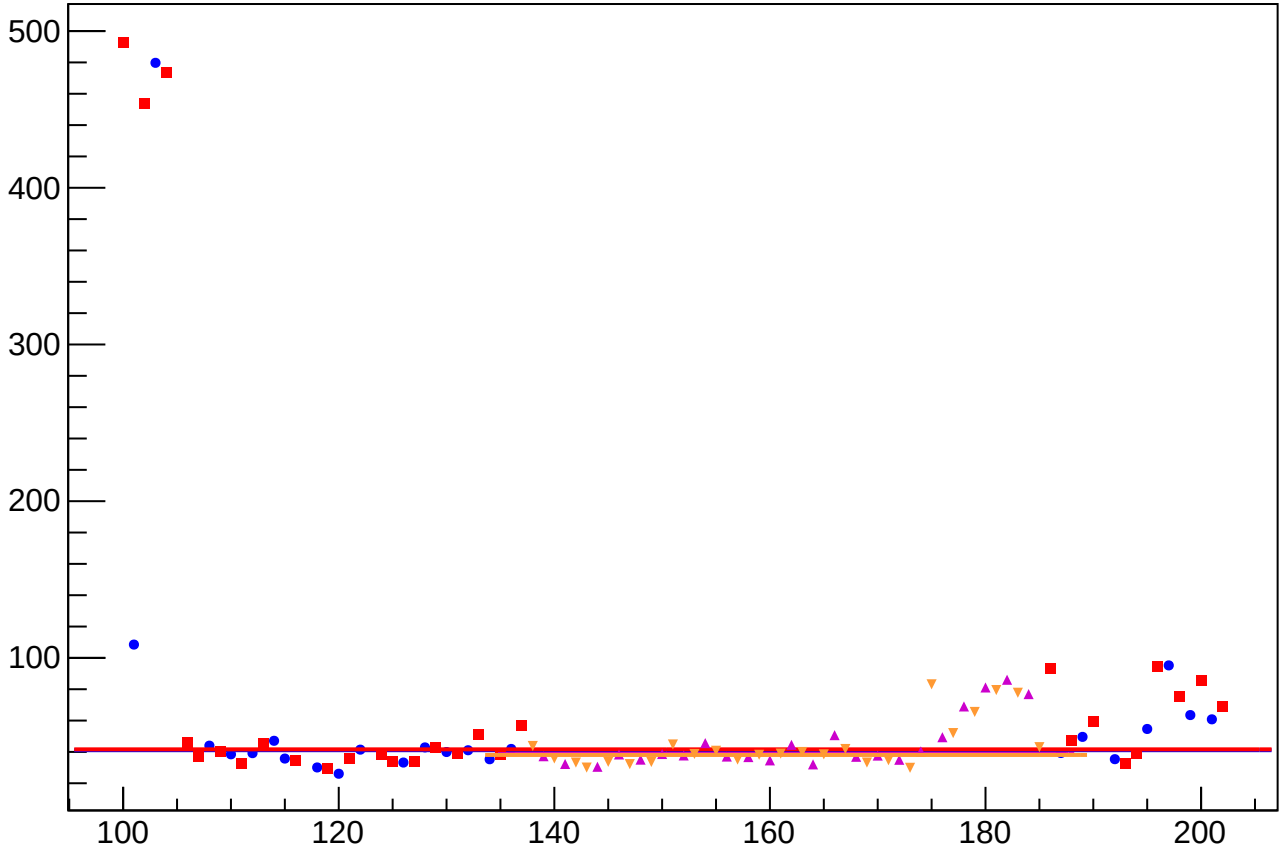
Right: 0.000+/-0.009 χ^2/NDF: 53.5/50

In: -0.006+/-0.008 χ^2/NDF:50.3/45

Out: 0.007+/-0.008 χ^2/NDF:60.9/52

All: 0.001+/-0.006 χ^2/NDF: 112.5/98

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.098+/-0.009 χ^2/NDF: 2725832.9/22

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.635+/-0.009 χ^2/NDF: 3778753.5/27

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

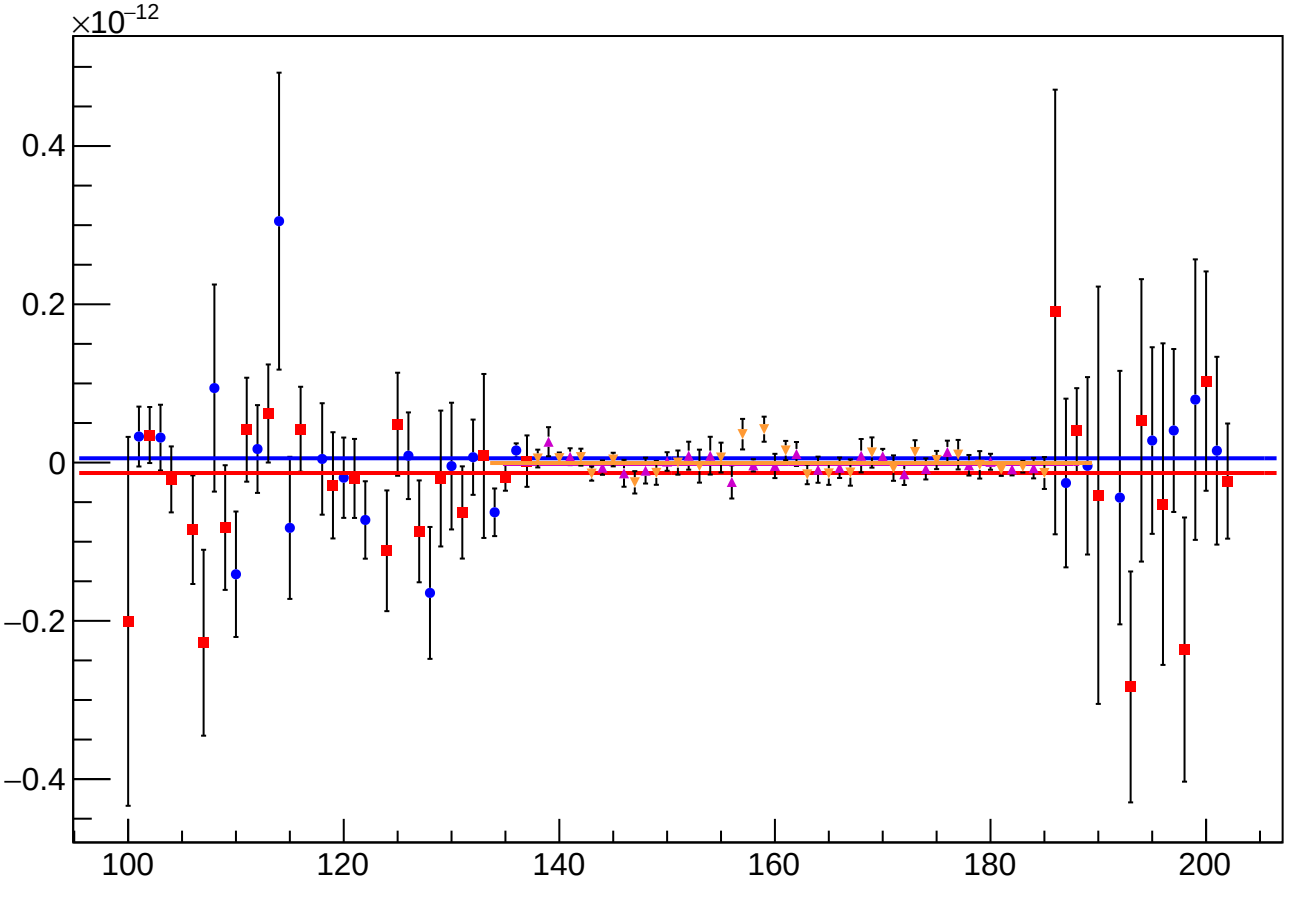
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 41.373+/-0.007 χ^2/NDF: 6506223.4/50

In: 39.501+/-0.006 χ^2/NDF:4497317.5/45

Out: 39.312+/-0.005 χ^2/NDF:5842812.4/52

All: 39.403+/-0.004 χ^2/NDF: 10340715.4/98



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/27

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

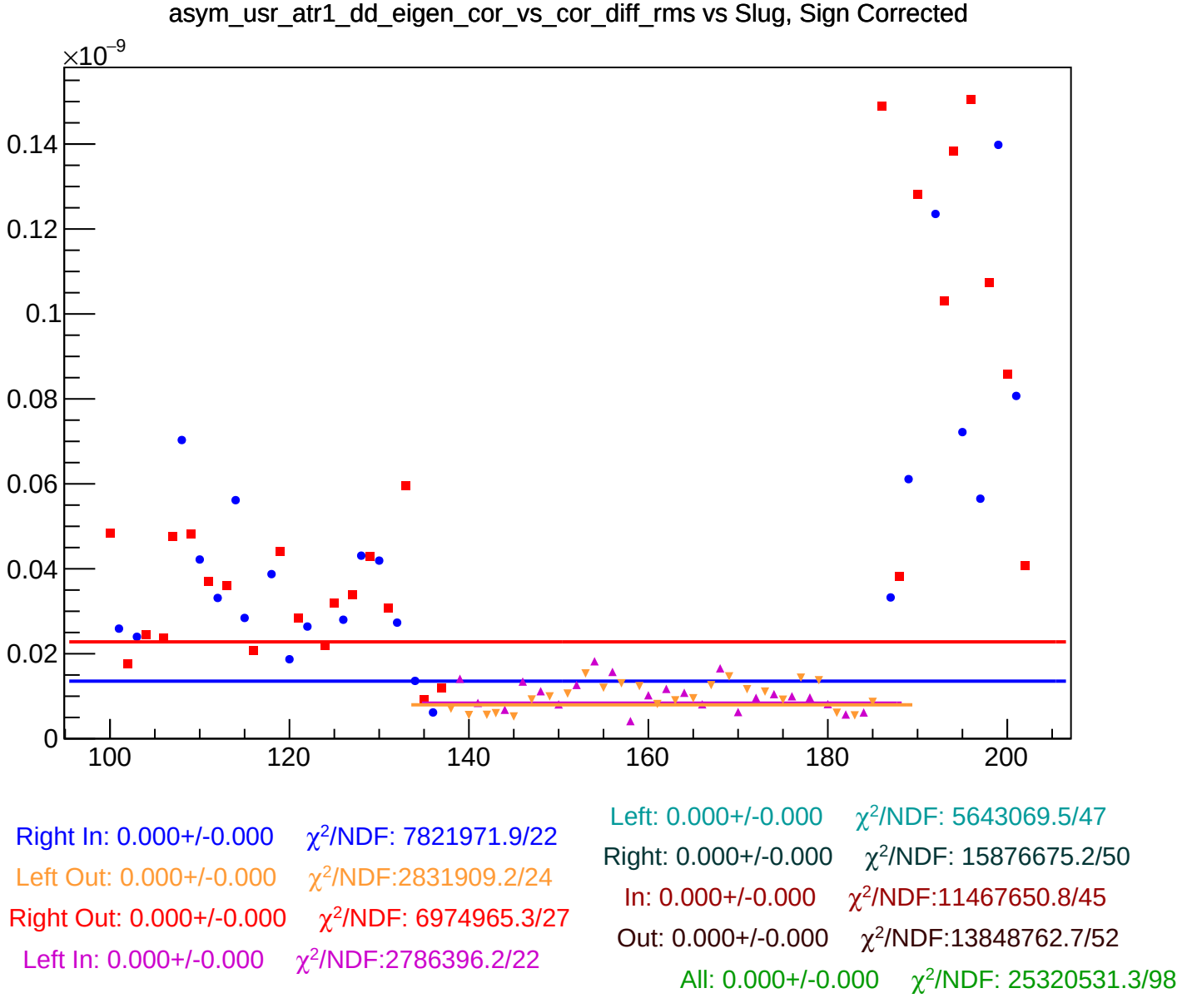
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

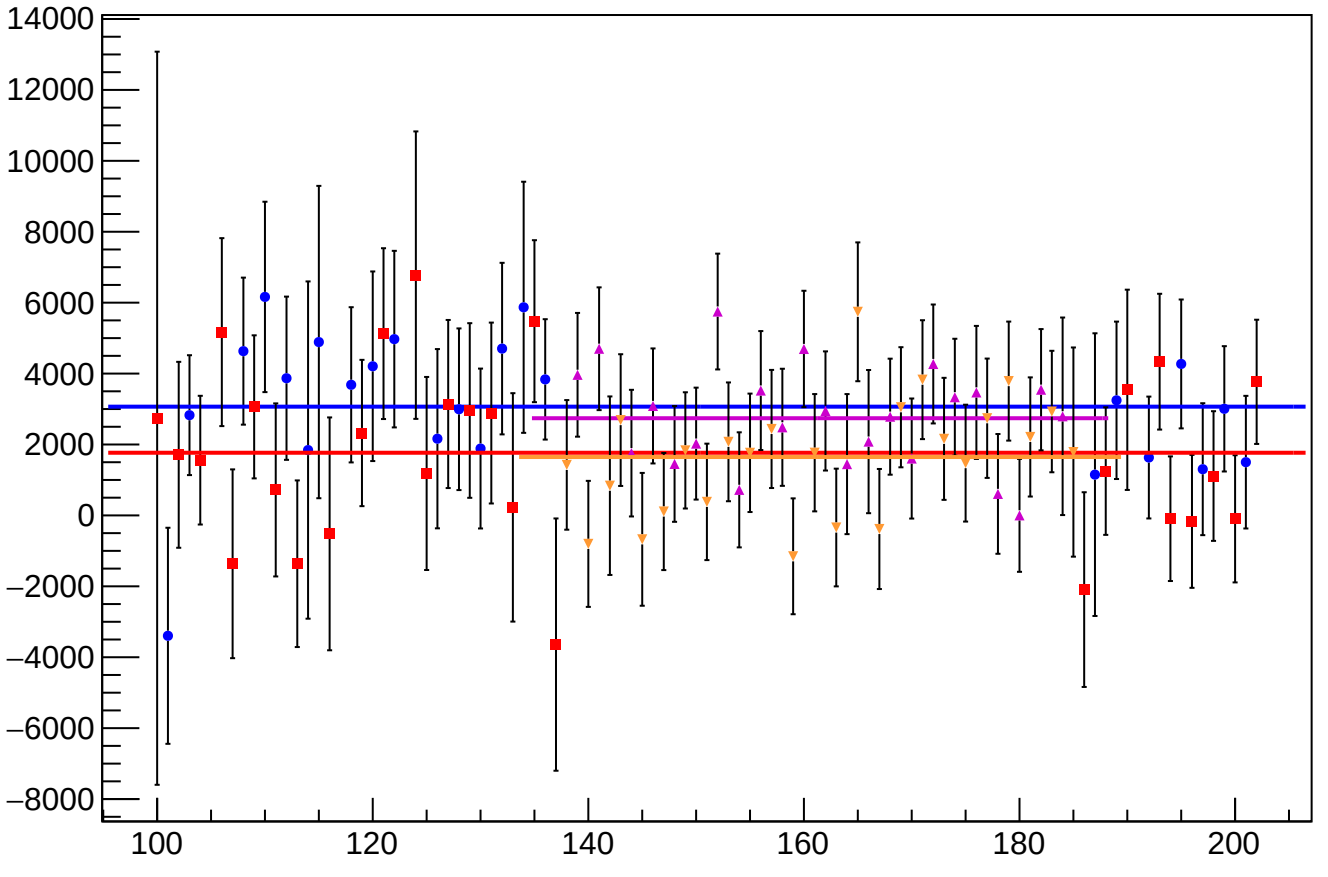
Right: -0.000+/-0.000 χ^2/NDF: 48.0/50

In: -0.000+/-0.000 χ^2/NDF:34.6/45

Out: -0.000+/-0.000 χ^2/NDF:52.1/52

All: -0.000+/-0.000 χ^2/NDF: 86.7/98


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7821971.9/22
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 6974965.3/27
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
Left: 0.000+/-0.000 χ²/NDF: 5643069.5/47
Right: 0.000+/-0.000 χ²/NDF: 15876675.2/50
In: 0.000+/-0.000 χ²/NDF:11467650.8/45
Out: 0.000+/-0.000 χ²/NDF:13848762.7/52
All: 0.000+/-0.000 χ²/NDF: 25320531.3/98



Right In: 3067.107+/-467.820 χ^2/NDF: 12.3/22

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1767.317+/-435.183 χ^2/NDF: 24.4/27

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

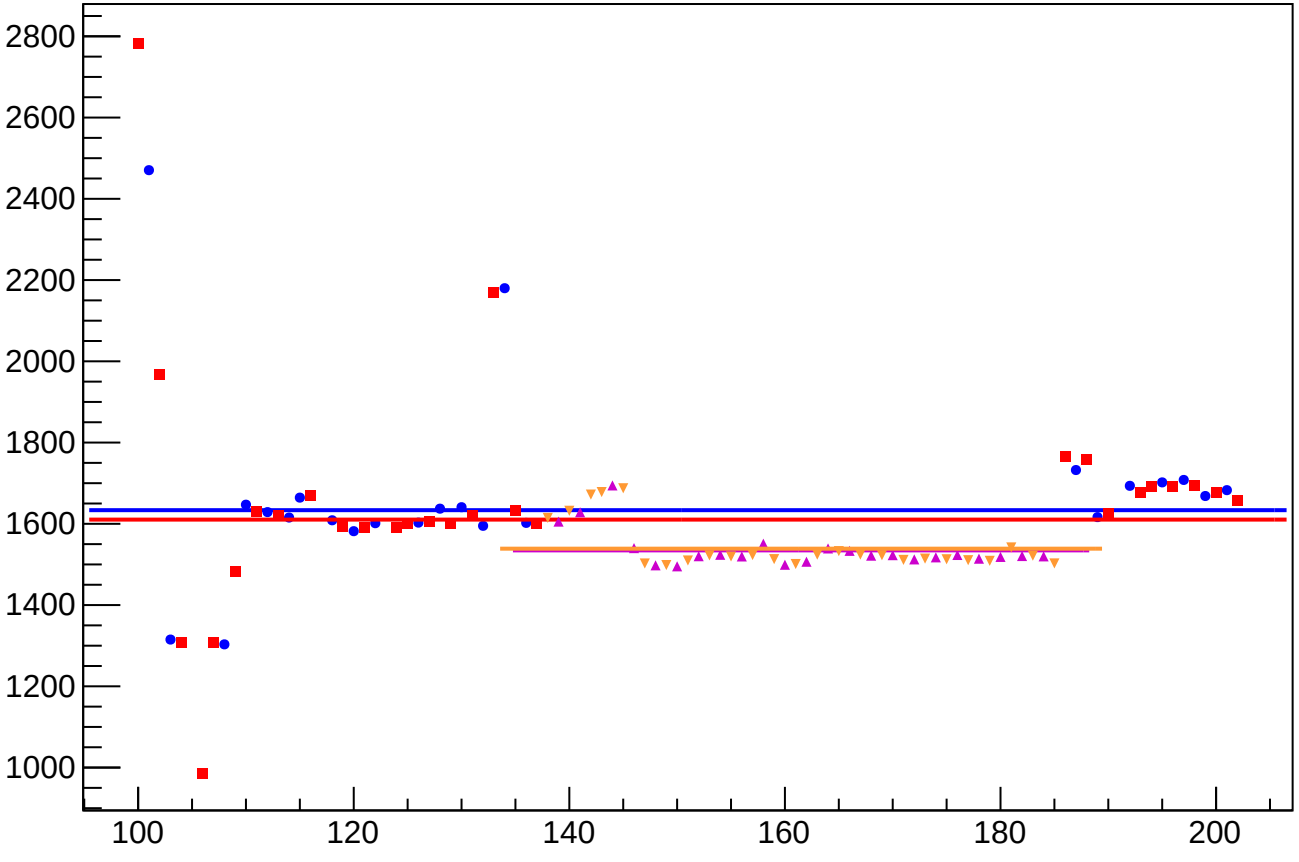
Right: 2370.294+/-318.635 χ^2/NDF: 40.8/50

In: 2861.587+/-284.535 χ^2/NDF:29.0/45

Out: 1693.854+/-272.622 χ^2/NDF:45.5/52

All: 2252.765+/-196.850 χ^2/NDF: 83.3/98

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1633.591+/-0.331 χ^2/NDF: 335313.2/22

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1610.369+/-0.305 χ^2/NDF: 440571.8/27

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

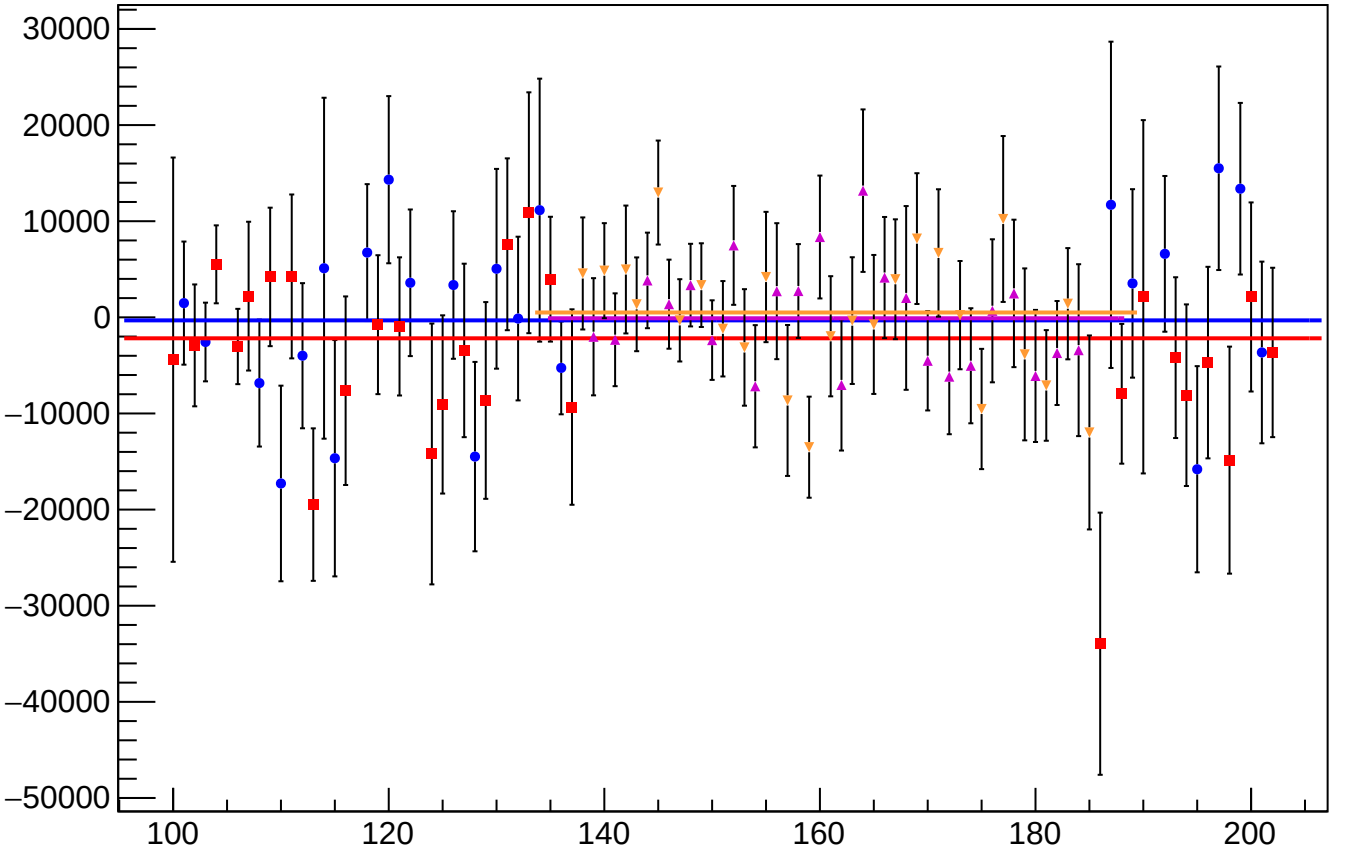
Right: 1621.034+/-0.224 χ^2/NDF: 778549.6/50

In: 1571.228+/-0.201 χ^2/NDF:422840.1/45

Out: 1567.210+/-0.192 χ^2/NDF:520854.8/52

All: 1569.126+/-0.139 χ^2/NDF: 943903.6/98

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -315.813+/-1659.287 χ^2/NDF: 22.4/22

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -2181.437+/-1487.239 χ^2/NDF: 23.9/27

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

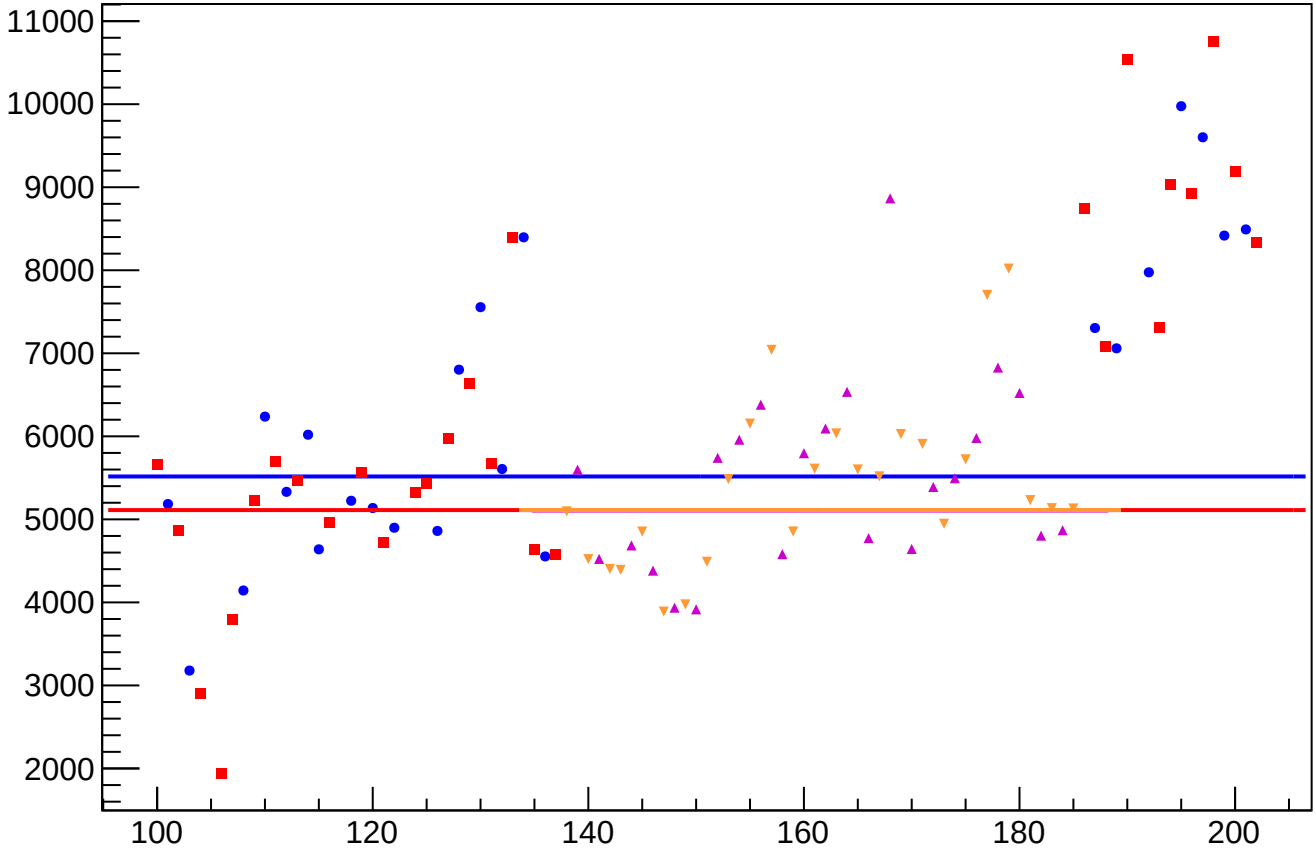
Right: -1350.331+/-1107.485 χ^2/NDF: 47.0/50

In: -174.176+/-981.648 χ^2/NDF:37.3/45

Out: -541.396+/-927.885 χ^2/NDF:52.7/52

All: -368.117+/-674.320 χ^2/NDF: 90.1/98

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5516.582+/-1.173 χ^2/NDF: 2390785.7/22

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5111.829+/-1.052 χ^2/NDF: 4529446.7/27

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

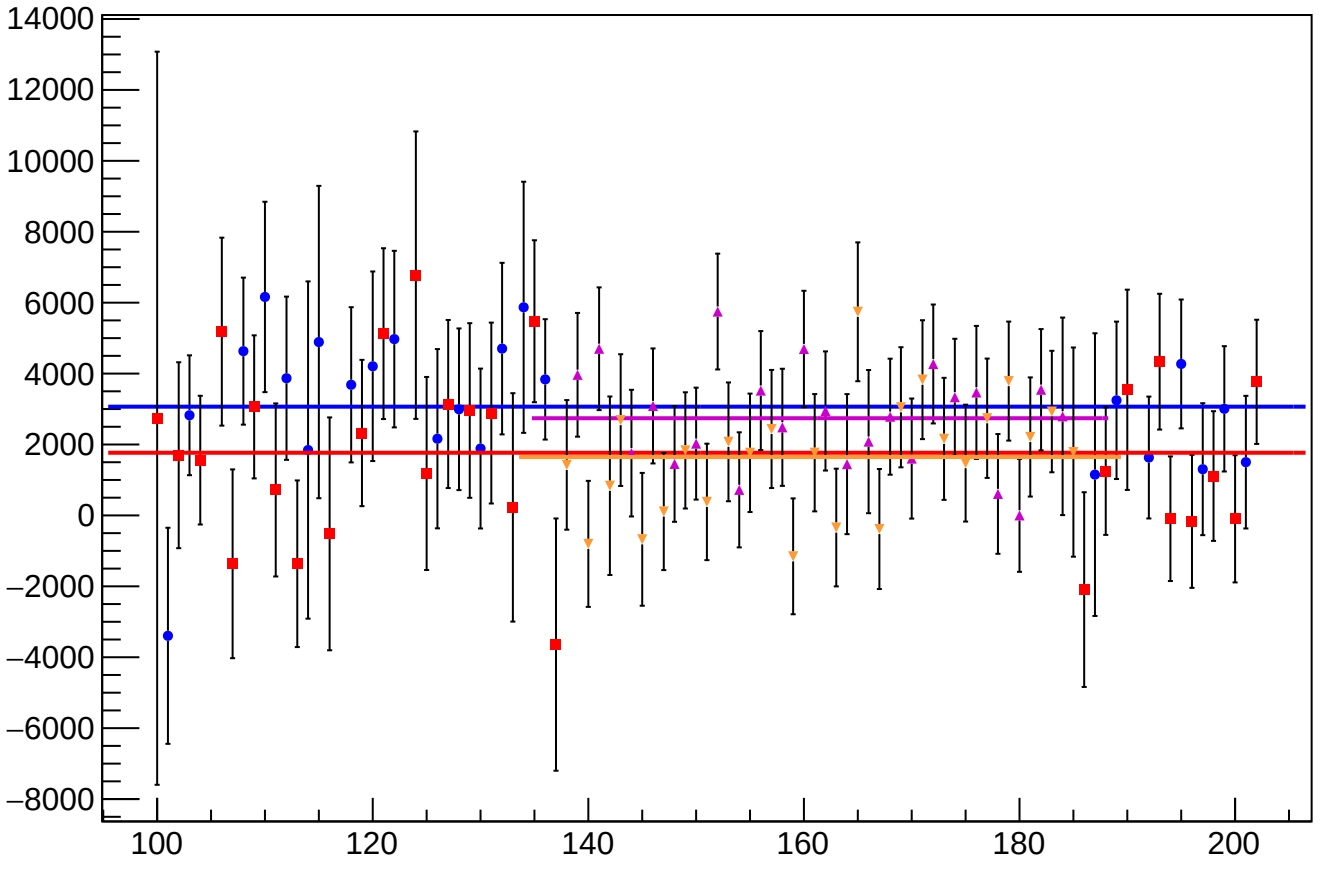
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5292.140+/-0.783 χ^2/NDF: 6986222.8/50

In: 5249.955+/-0.694 χ^2/NDF:3721856.2/45

Out: 5112.516+/-0.656 χ^2/NDF:5688457.8/52

All: 5177.369+/-0.477 χ^2/NDF: 9431019.2/98



Right In: 3066.964+/-467.820 χ^2/NDF: 12.3/22

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1767.304+/-435.184 χ^2/NDF: 24.4/27

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

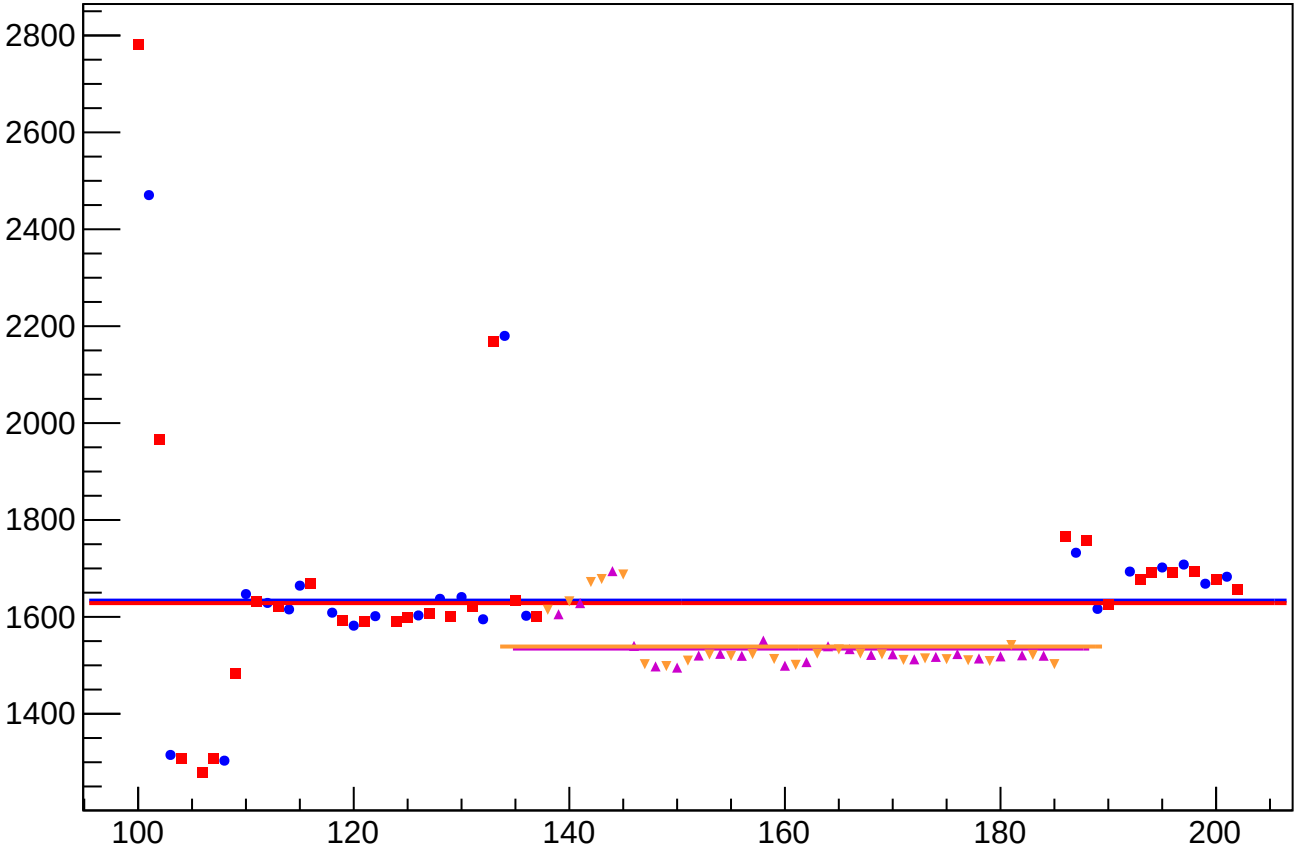
Right: 2370.223+/-318.635 χ^2/NDF: 40.8/50

In: 2861.472+/-284.535 χ^2/NDF:29.0/45

Out: 1693.784+/-272.622 χ^2/NDF:45.5/52

All: 2252.674+/-196.850 χ^2/NDF: 83.3/98

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1633.591+/-0.331 χ^2/NDF: 335312.2/22

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1628.424+/-0.307 χ^2/NDF: 285508.2/27

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

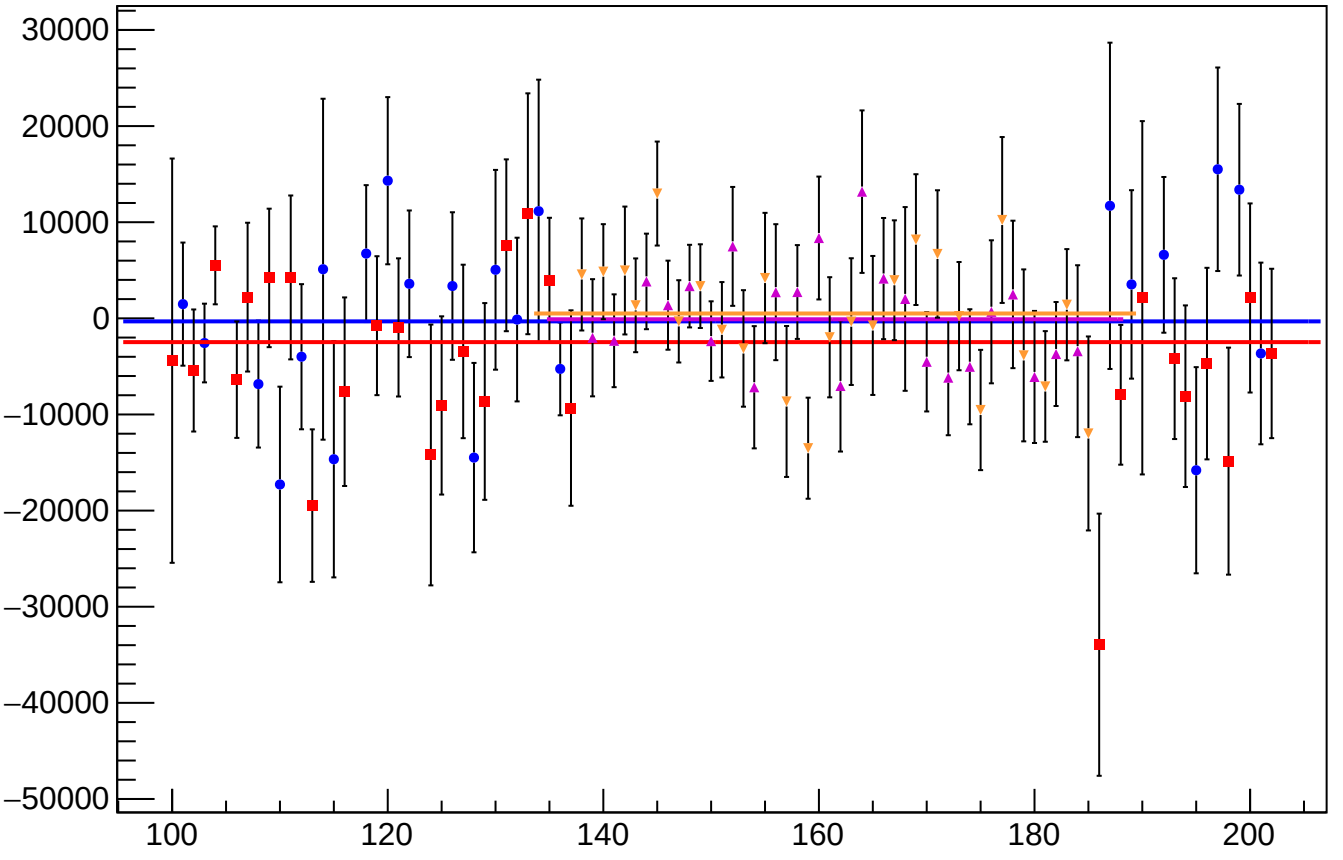
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1630.815+/-0.225 χ^2/NDF: 620951.5/50

In: 1571.228+/-0.201 χ^2/NDF:422839.3/45

Out: 1574.071+/-0.193 χ^2/NDF:384225.5/52

All: 1572.711+/-0.139 χ^2/NDF: 807169.0/98



Right In: -315.924+/-1659.314 χ^2/NDF: 22.4/22

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2473.800+/-1553.999 χ^2/NDF: 24.6/27

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

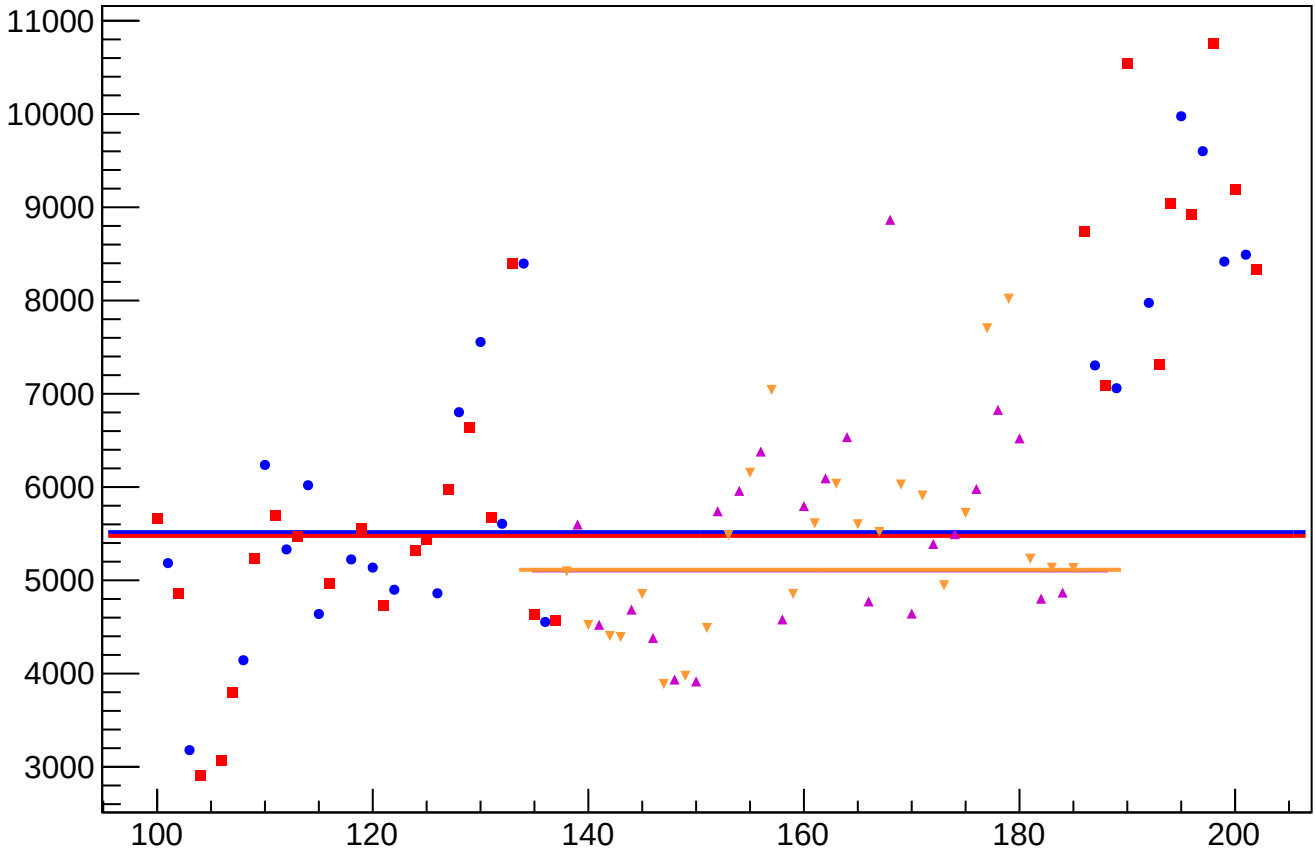
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1465.509+/-1134.248 χ^2/NDF: 47.9/50

In: -174.226+/-981.653 χ^2/NDF:37.3/45

Out: -593.665+/-943.450 χ^2/NDF:53.7/52

All: -392.266+/-680.225 χ^2/NDF: 91.1/98



Right In: 5516.715+/-1.173 χ^2/NDF: 2390466.8/22

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5476.742+/-1.099 χ^2/NDF: 3334453.7/27

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

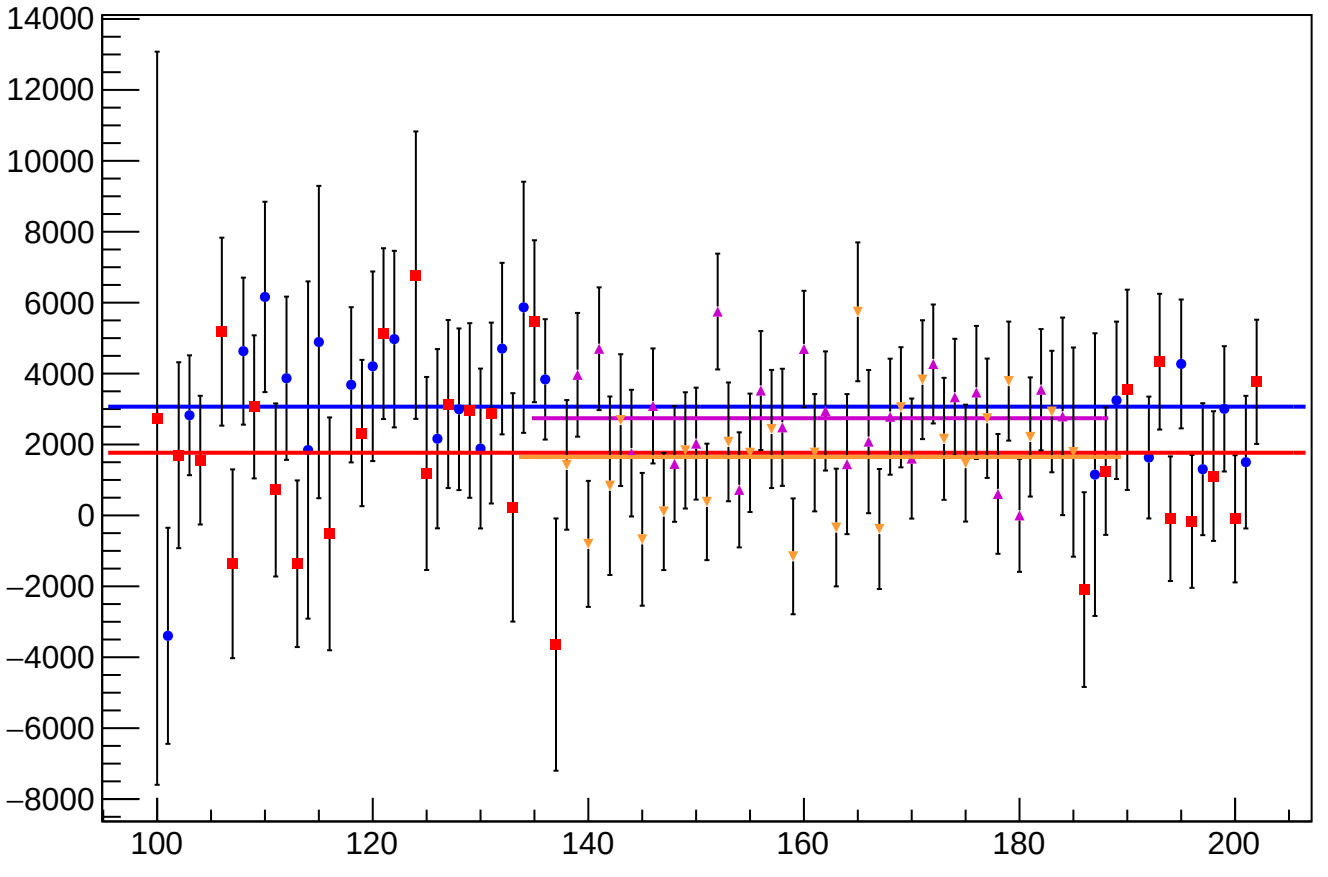
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5495.420+/-0.802 χ^2/NDF: 5725538.9/50

In: 5249.997+/-0.694 χ^2/NDF:3721588.3/45

Out: 5247.036+/-0.667 χ^2/NDF:4562685.2/52

All: 5248.458+/-0.481 χ^2/NDF: 8284283.0/98



Right In: 3066.964+/-467.820 χ^2/NDF: 12.3/22

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1767.304+/-435.184 χ^2/NDF: 24.4/27

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

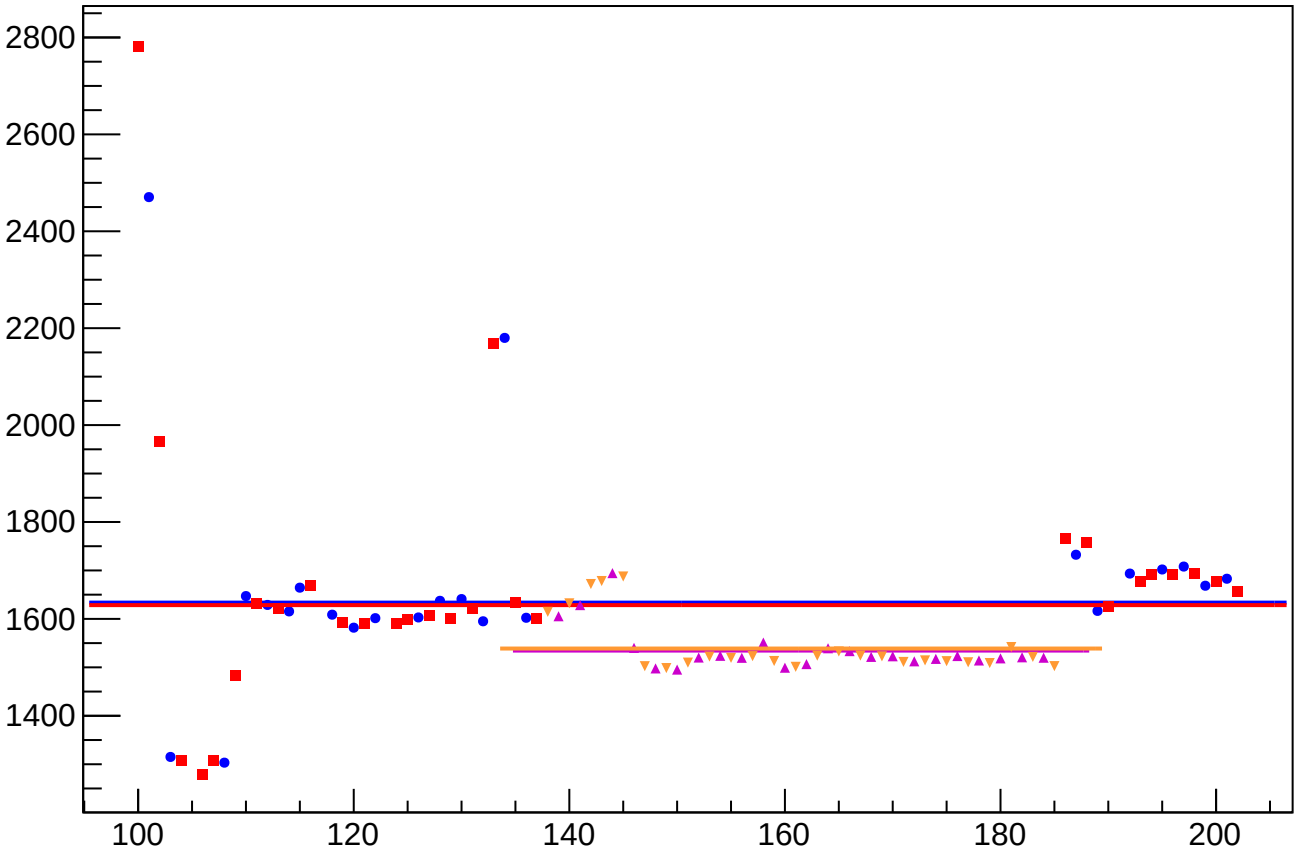
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2370.223+/-318.635 χ^2/NDF: 40.8/50

In: 2861.472+/-284.535 χ^2/NDF:29.0/45

Out: 1693.784+/-272.622 χ^2/NDF:45.5/52

All: 2252.674+/-196.850 χ^2/NDF: 83.3/98



Right In: 1633.591+/-0.331 χ^2/NDF: 335312.2/22

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1628.424+/-0.307 χ^2/NDF: 285508.2/27

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

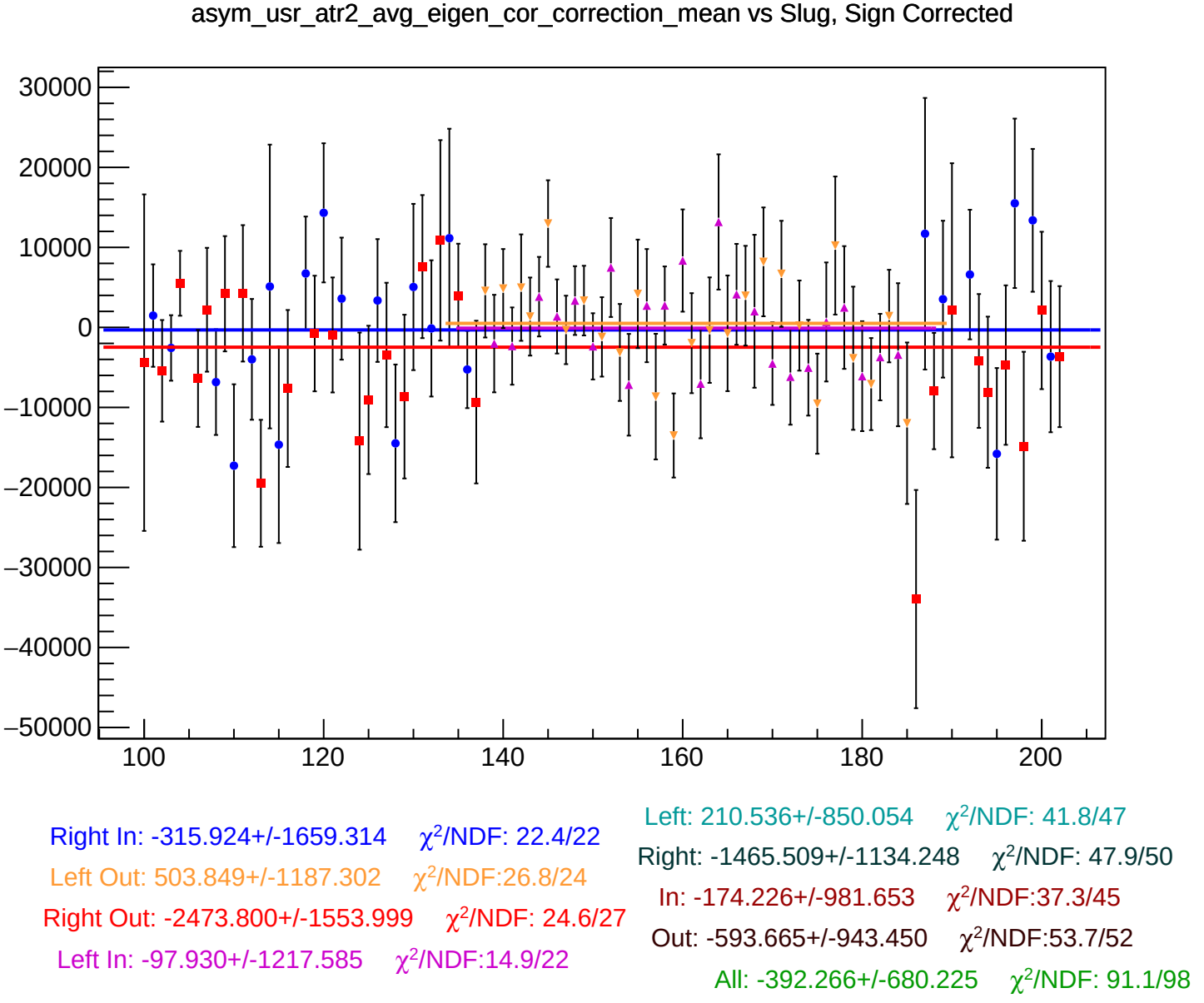
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1630.815+/-0.225 χ^2/NDF: 620951.5/50

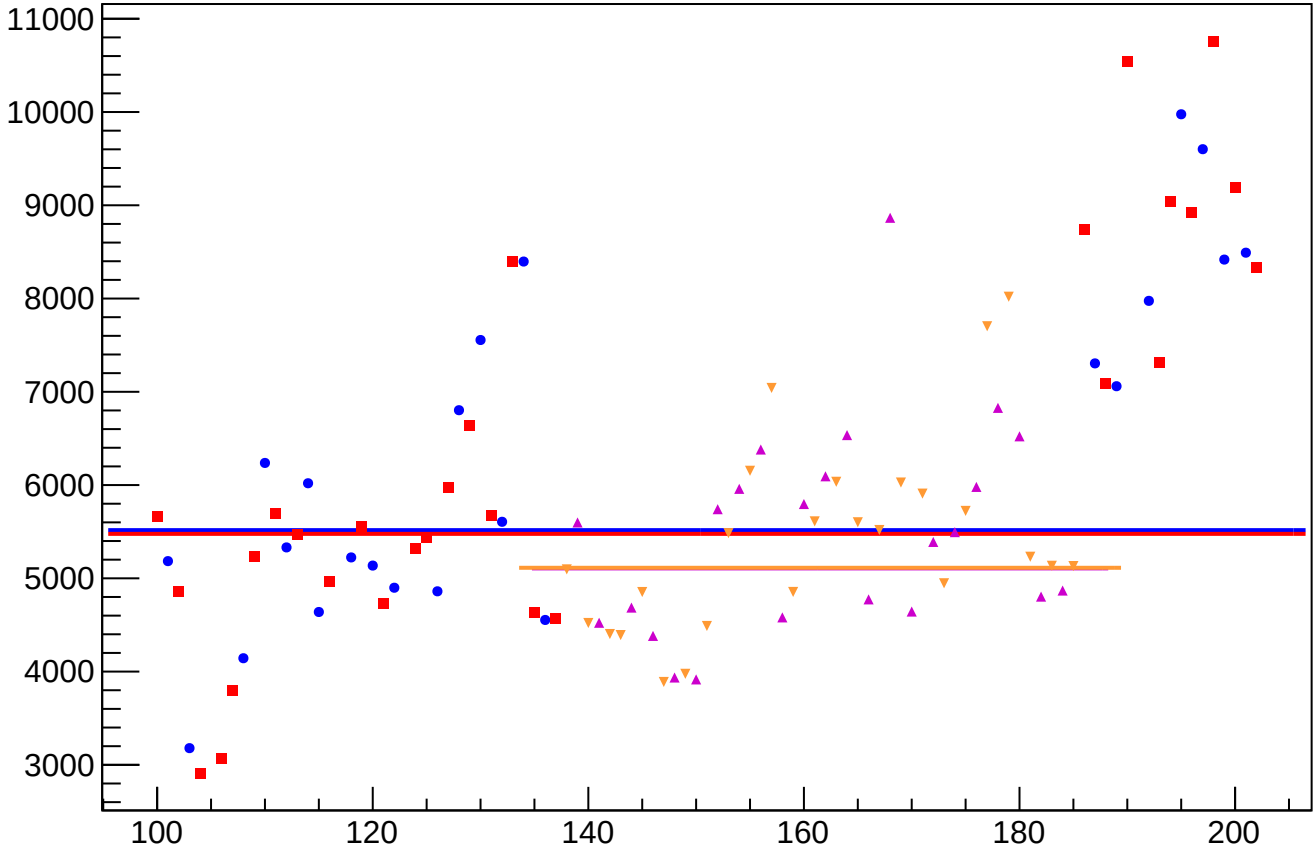
In: 1571.228+/-0.201 χ^2/NDF:422839.3/45

Out: 1574.071+/-0.193 χ^2/NDF:384225.5/52

All: 1572.711+/-0.139 χ^2/NDF: 807169.0/98


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -315.924+/-1659.314 χ²/NDF: 22.4/22
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -2473.800+/-1553.999 χ²/NDF: 24.6/27
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -1465.509+/-1134.248 χ²/NDF: 47.9/50
In: -174.226+/-981.653 χ²/NDF:37.3/45
Out: -593.665+/-943.450 χ²/NDF:53.7/52
All: -392.266+/-680.225 χ²/NDF: 91.1/98

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5516.715+/-1.173 χ^2/NDF: 2390466.8/22

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5476.742+/-1.099 χ^2/NDF: 3334453.7/27

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

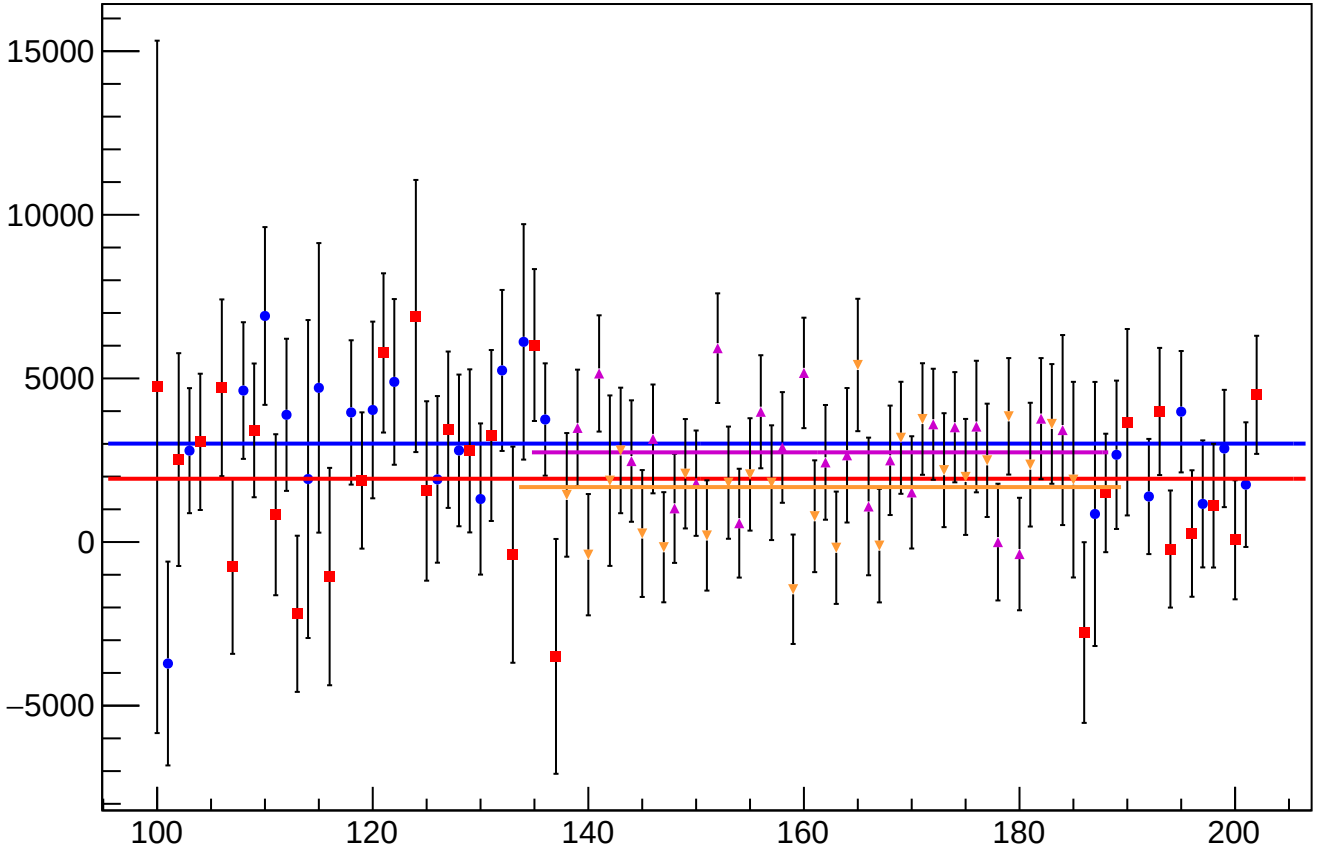
Right: 5495.420+/-0.802 χ^2/NDF: 5725538.9/50

In: 5249.997+/-0.694 χ^2/NDF:3721588.3/45

Out: 5247.036+/-0.667 χ^2/NDF:4562685.2/52

All: 5248.458+/-0.481 χ^2/NDF: 8284283.0/98

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3008.069+/-479.392 χ^2/NDF: 13.8/22

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1934.177+/-447.077 χ^2/NDF: 27.5/27

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

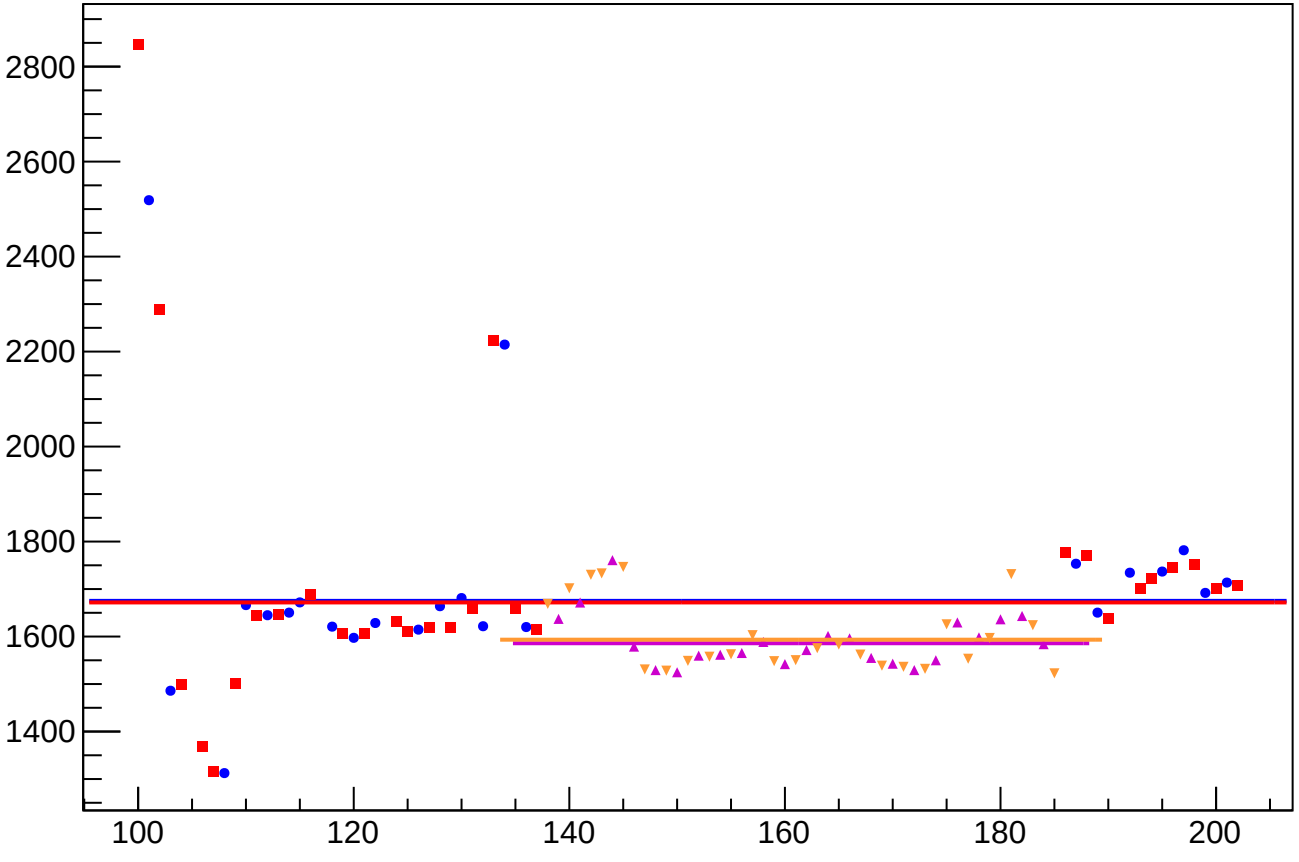
Right: 2433.711+/-326.959 χ^2/NDF: 44.0/50

In: 2840.695+/-293.205 χ^2/NDF:33.2/45

Out: 1780.279+/-281.521 χ^2/NDF:46.6/52

All: 2288.940+/-203.070 χ^2/NDF: 86.6/98

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1675.105+/-0.339 χ^2/NDF: 292349.5/22

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1671.830+/-0.316 χ^2/NDF: 267520.7/27

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

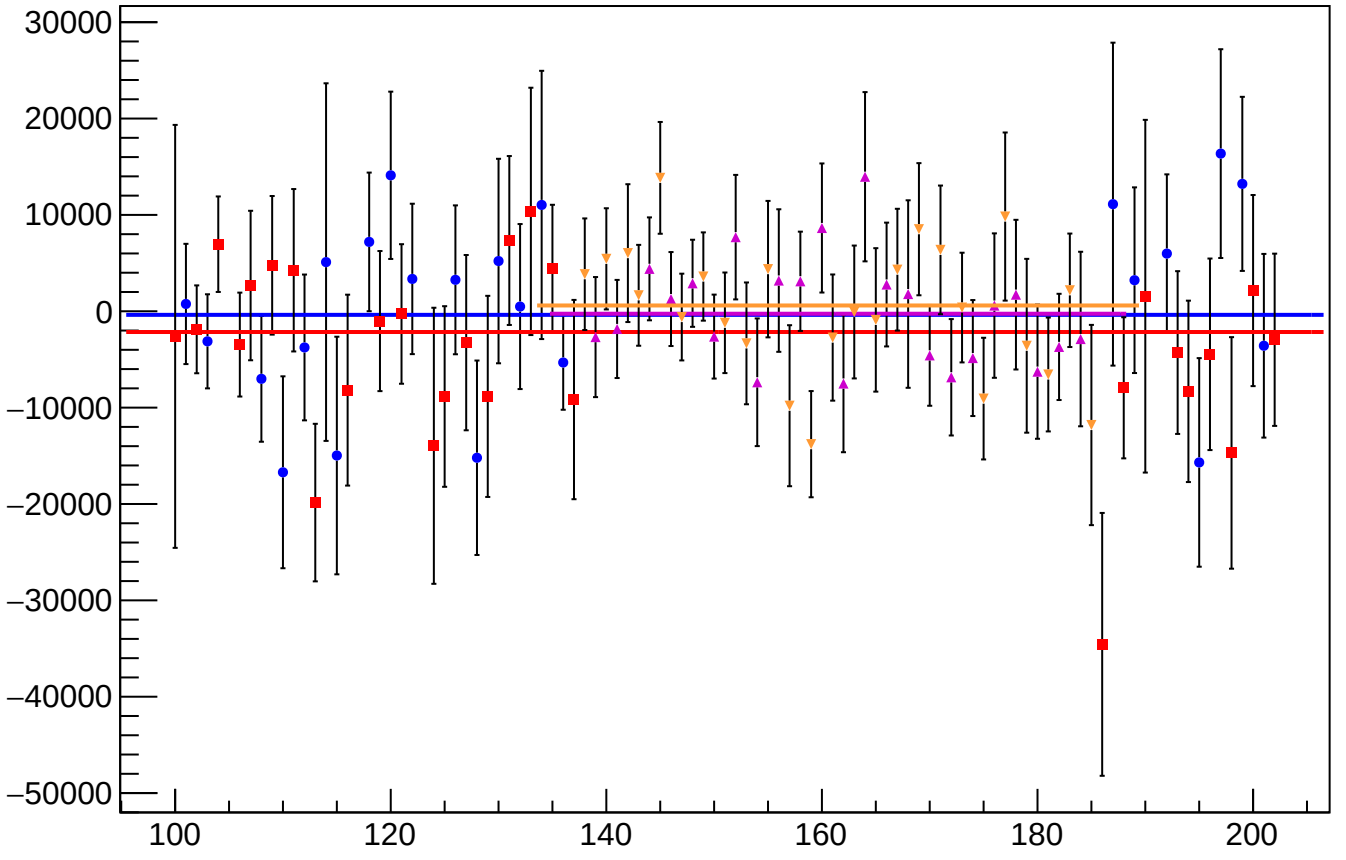
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1673.352+/-0.231 χ^2/NDF: 559920.1/50

In: 1619.281+/-0.207 χ^2/NDF:377592.9/45

Out: 1624.509+/-0.199 χ^2/NDF:376574.8/52

All: 1622.002+/-0.144 χ^2/NDF: 754498.6/98



Right In: -371.735+/-1708.772 χ^2/NDF: 22.2/22

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2151.981+/-1544.635 χ^2/NDF: 23.8/27

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

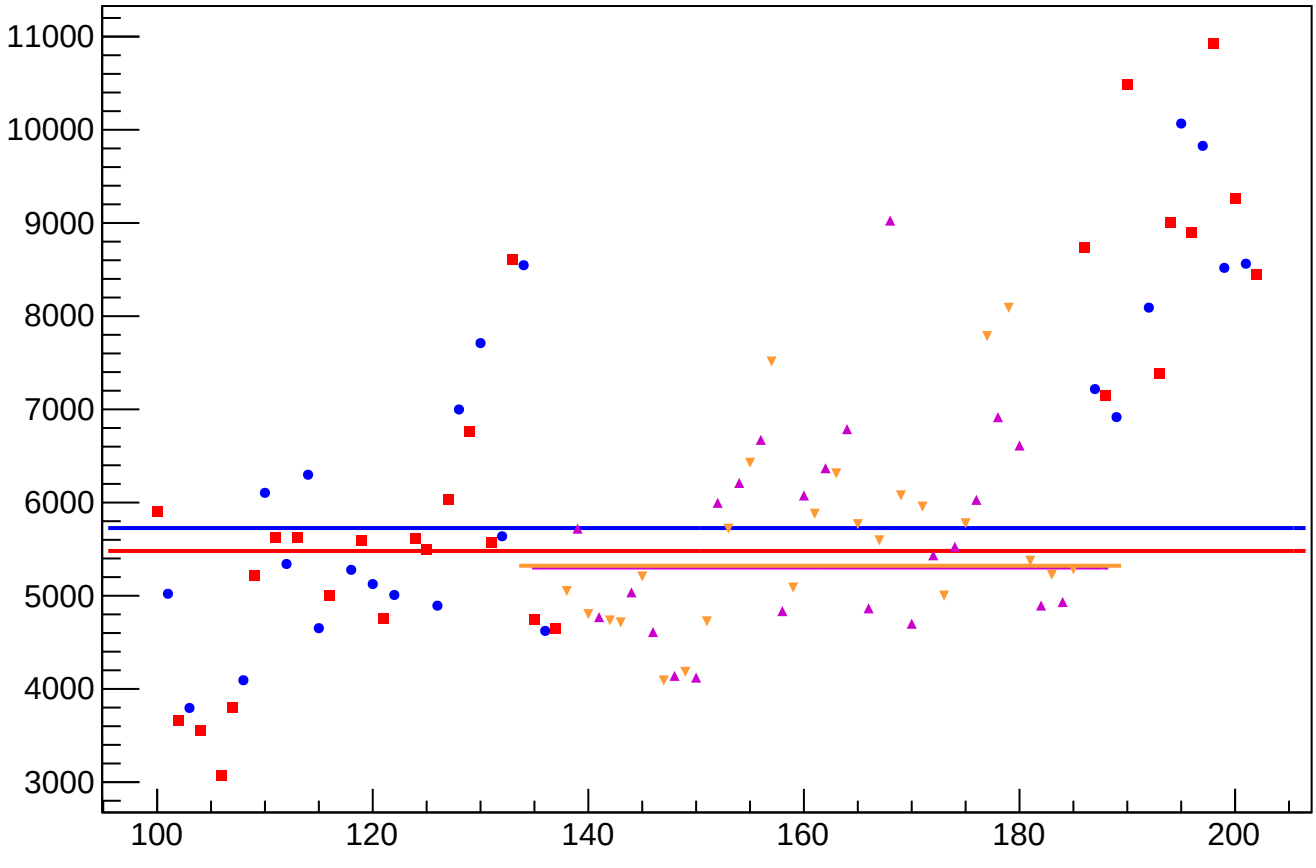
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1351.445+/-1145.868 χ^2/NDF: 46.6/50

In: -296.811+/-1015.472 χ^2/NDF:36.9/45

Out: -470.554+/-963.901 χ^2/NDF:51.8/52

All: -388.206+/-699.102 χ^2/NDF: 88.7/98



Right In: 5726.437+/-1.208 χ^2/NDF: 2019934.7/22

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5480.689+/-1.092 χ^2/NDF: 3243634.8/27

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

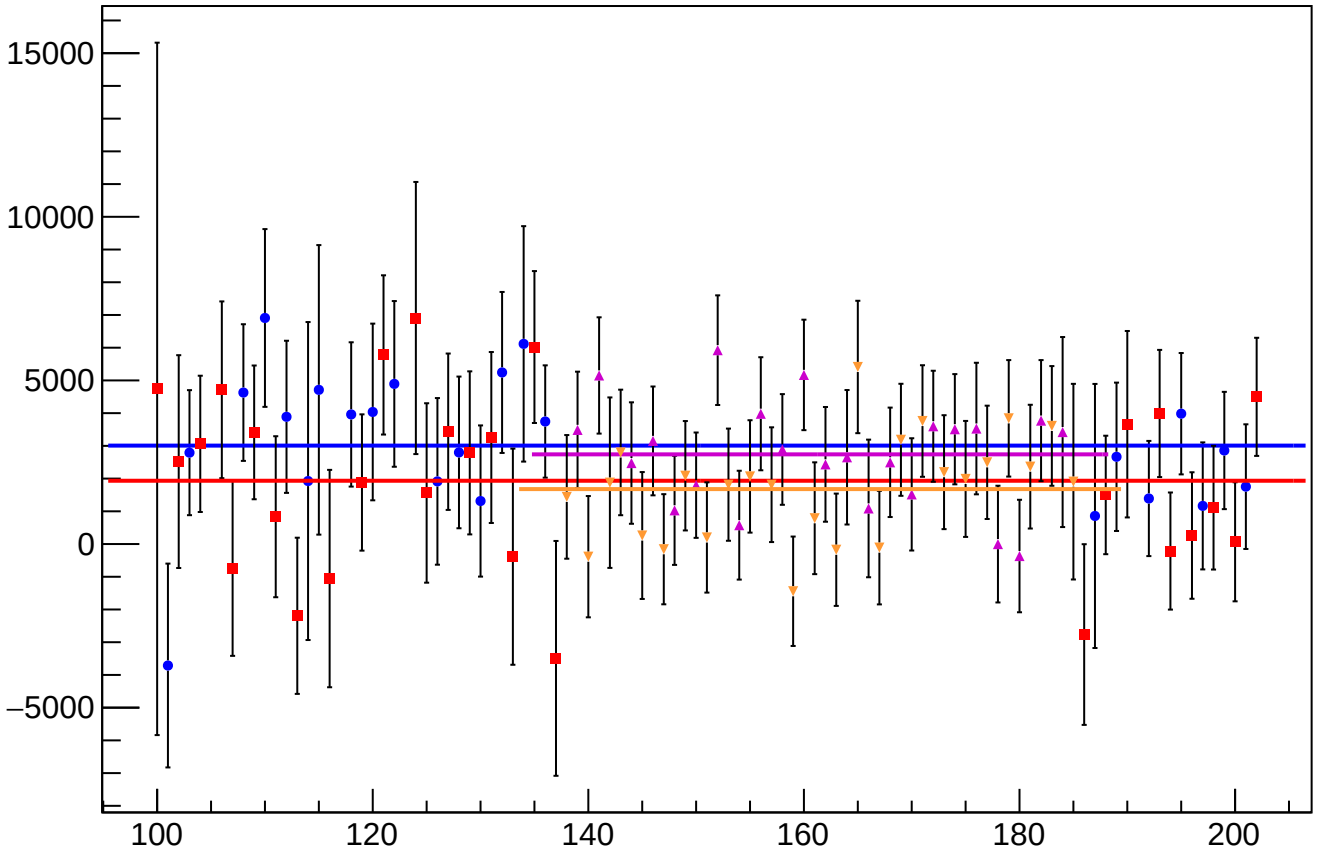
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5591.196+/-0.810 χ^2/NDF: 5286334.1/50

In: 5452.442+/-0.718 χ^2/NDF:3251807.3/45

Out: 5383.769+/-0.682 χ^2/NDF:4293540.2/52

All: 5416.318+/-0.494 χ^2/NDF: 7550158.9/98



Right In: 3008.069+/-479.392 χ^2/NDF: 13.8/22

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1934.177+/-447.077 χ^2/NDF: 27.5/27

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

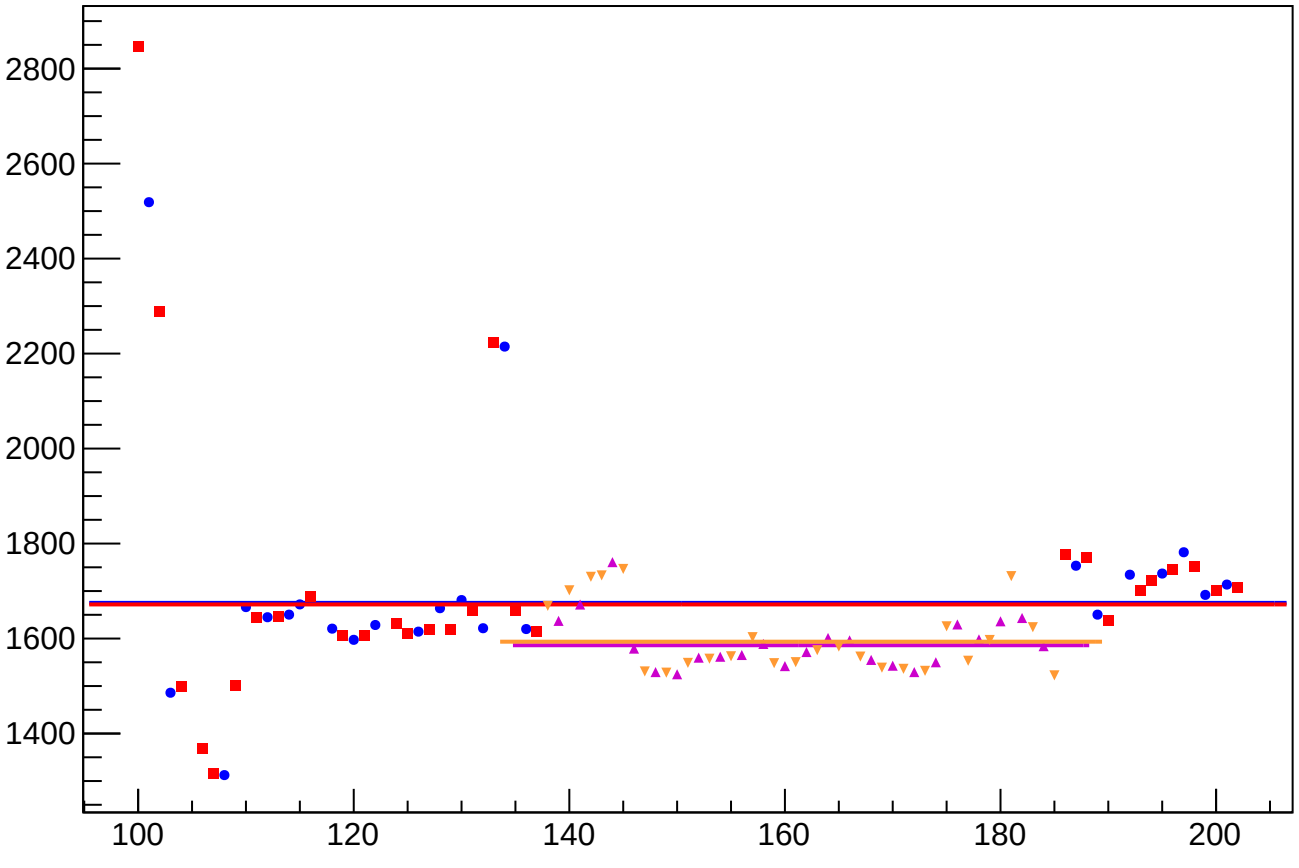
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2433.712+/-326.959 χ^2/NDF: 44.0/50

In: 2840.696+/-293.205 χ^2/NDF:33.2/45

Out: 1780.276+/-281.521 χ^2/NDF:46.6/52

All: 2288.938+/-203.071 χ^2/NDF: 86.6/98



Right In: 1675.104+/-0.339 χ^2/NDF: 292349.7/22

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1671.830+/-0.316 χ^2/NDF: 267520.7/27

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

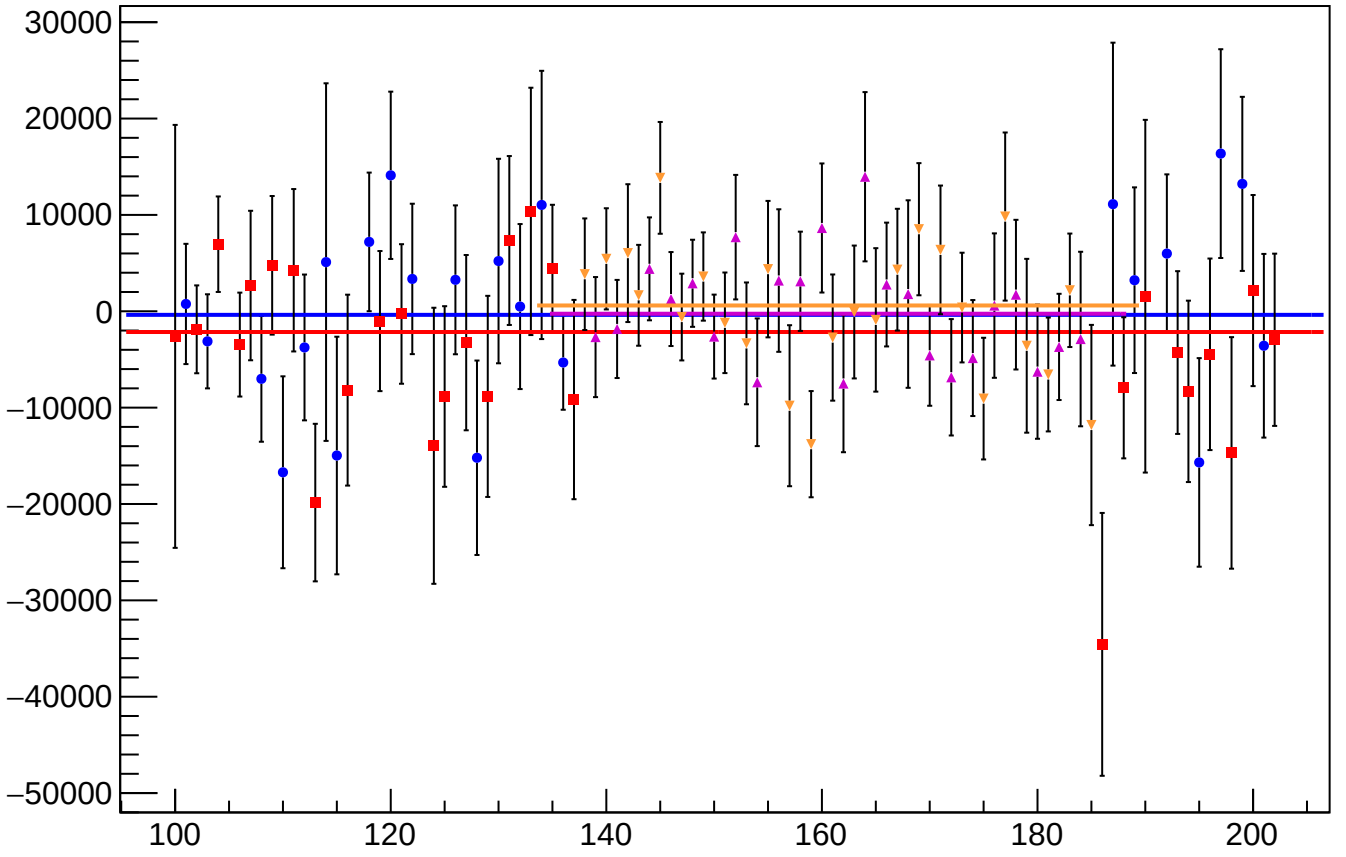
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1673.352+/-0.231 χ^2/NDF: 559920.3/50

In: 1619.281+/-0.207 χ^2/NDF:377591.5/45

Out: 1624.509+/-0.199 χ^2/NDF:376573.7/52

All: 1622.002+/-0.144 χ^2/NDF: 754496.1/98



Right In: -371.725+/-1708.770 χ^2/NDF: 22.2/22

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -2151.978+/-1544.633 χ^2/NDF: 23.8/27

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

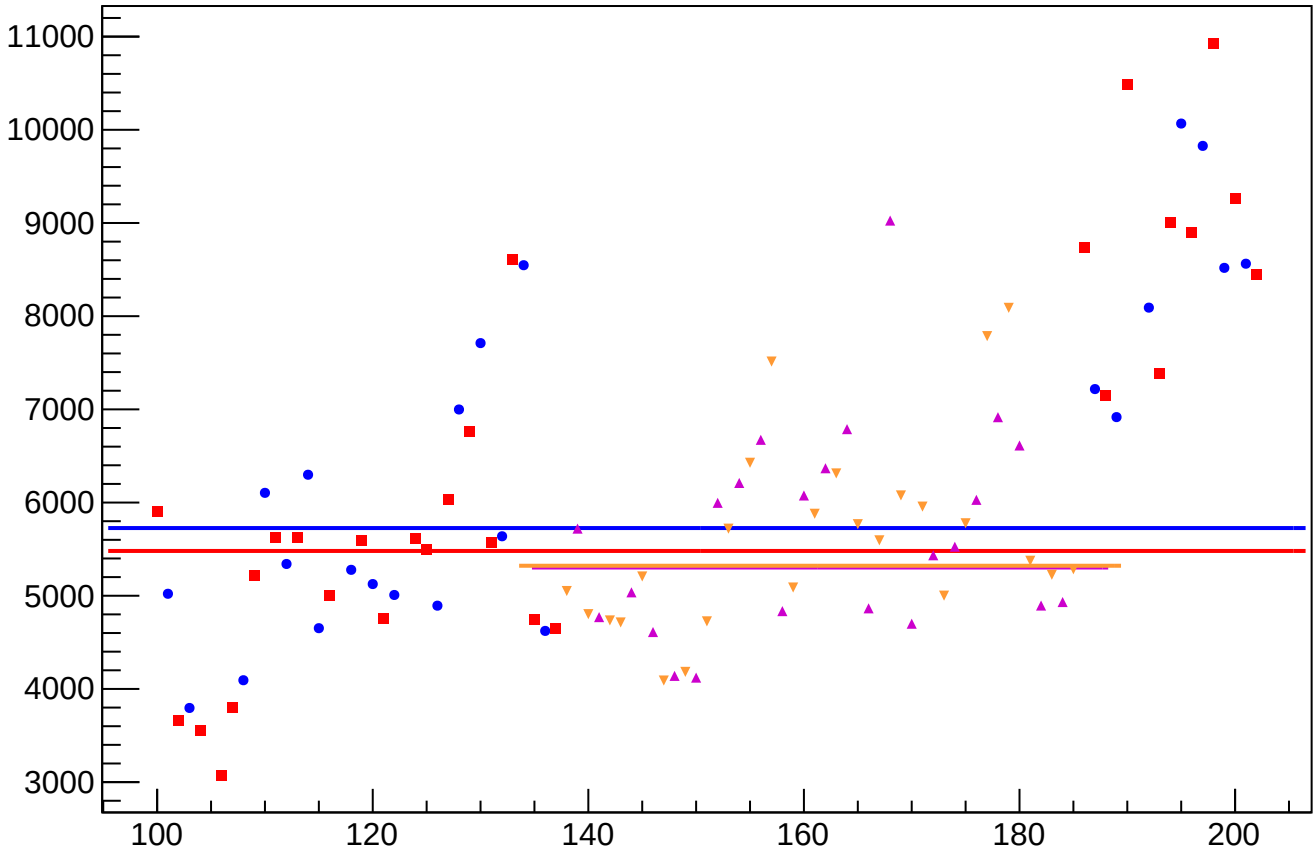
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1351.439+/-1145.867 χ^2/NDF: 46.6/50

In: -296.809+/-1015.472 χ^2/NDF:36.9/45

Out: -470.558+/-963.902 χ^2/NDF:51.8/52

All: -388.208+/-699.102 χ^2/NDF: 88.7/98



Right In: 5726.431+/-1.208 χ^2/NDF: 2019940.9/22

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5480.683+/-1.092 χ^2/NDF: 3243643.1/27

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

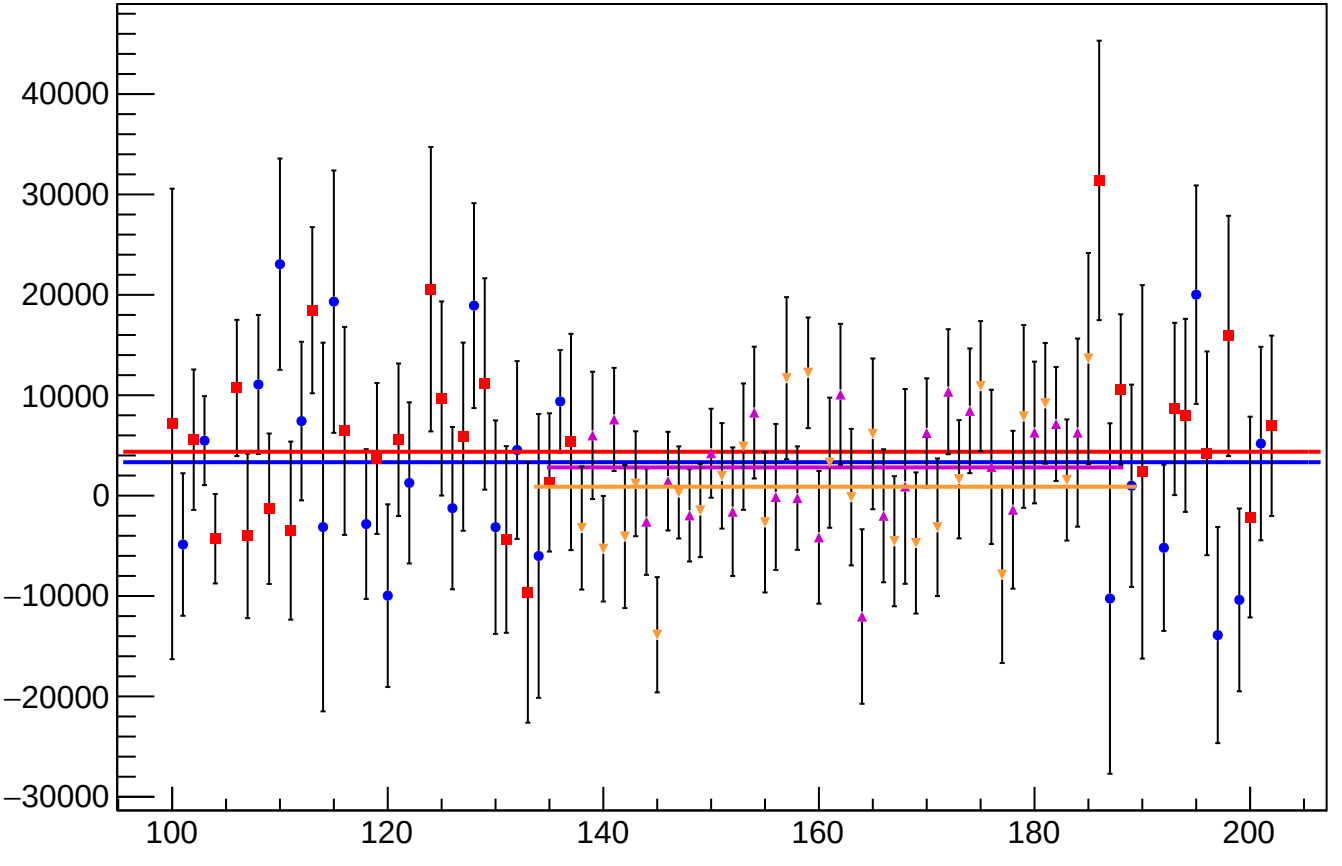
Right: 5591.190+/-0.810 χ^2/NDF: 5286348.6/50

In: 5452.446+/-0.718 χ^2/NDF:3251811.8/45

Out: 5383.772+/-0.682 χ^2/NDF:4293548.1/52

All: 5416.321+/-0.494 χ^2/NDF: 7550171.4/98

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3328.878+/-1745.178 χ^2/NDF: 24.9/22

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4371.124+/-1640.960 χ^2/NDF: 20.7/27

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

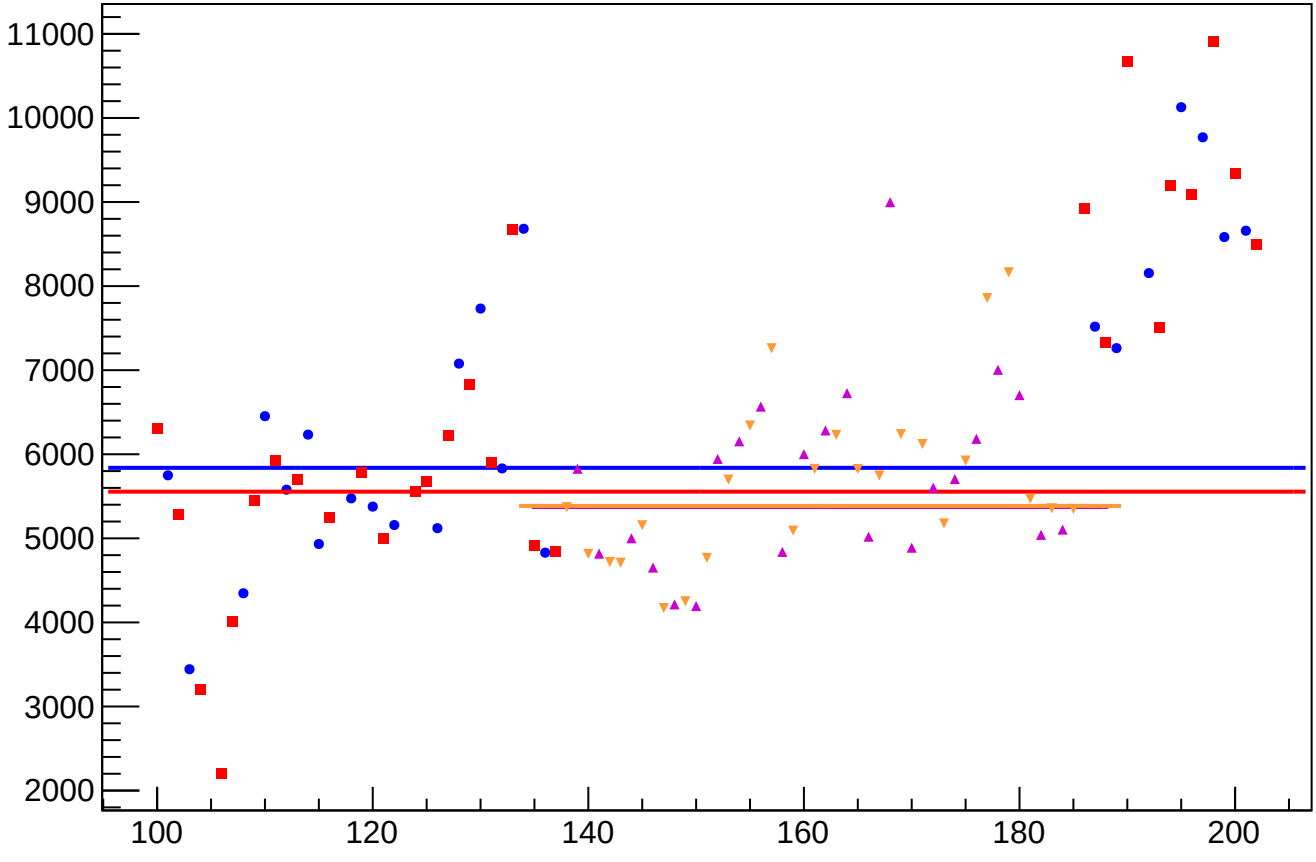
Right: 3882.048+/-1195.480 χ^2/NDF: 45.8/50

In: 2991.440+/-1030.684 χ^2/NDF:39.7/45

Out: 2160.848+/-992.600 χ^2/NDF:49.2/52

All: 2560.515+/-714.959 χ^2/NDF: 89.2/98

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5838.731+/-1.234 χ^2/NDF: 2133914.2/22

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5555.030+/-1.126 χ^2/NDF: 3757254.7/27

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

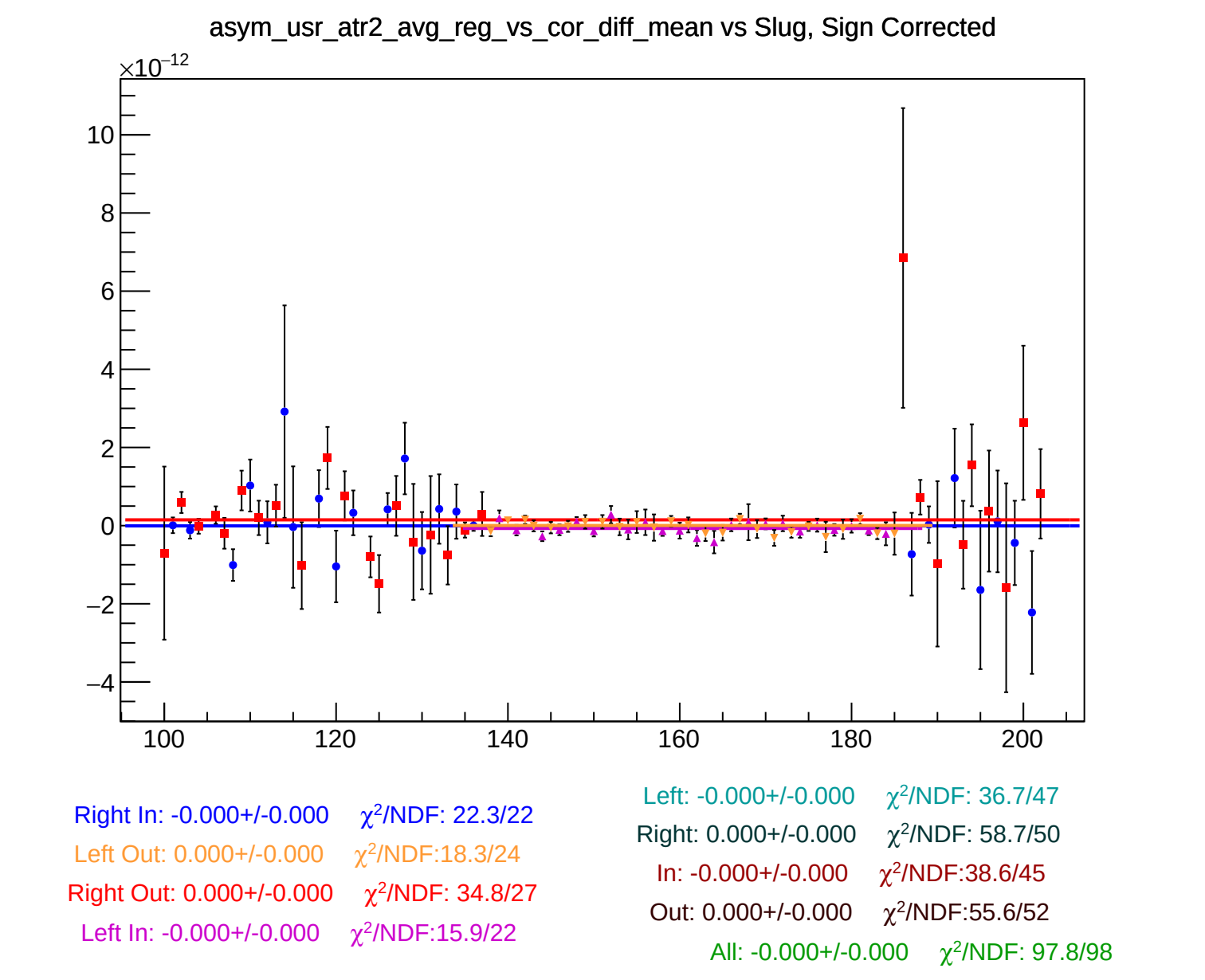
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

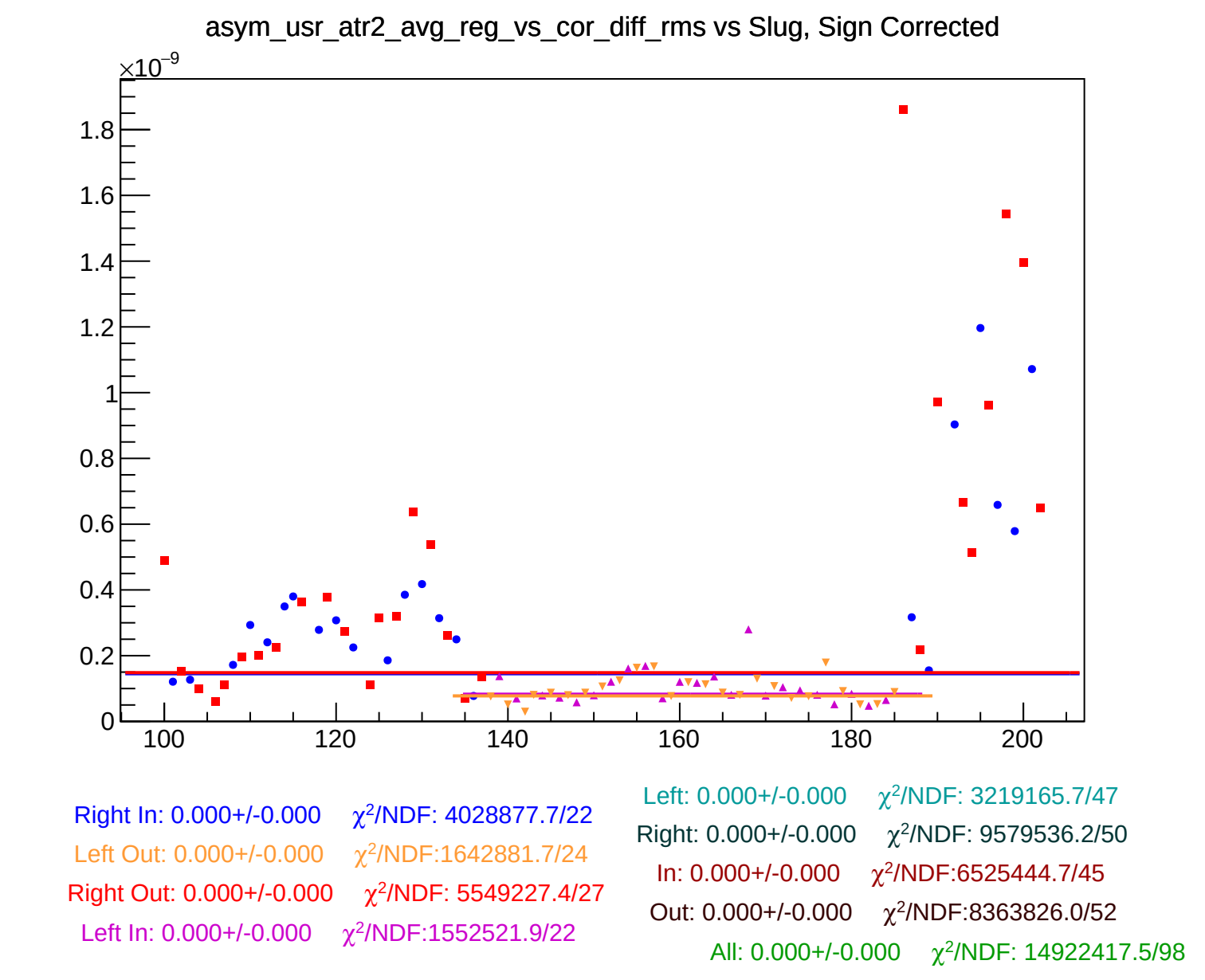
Right: 5683.934+/-0.832 χ^2/NDF: 5920007.3/50

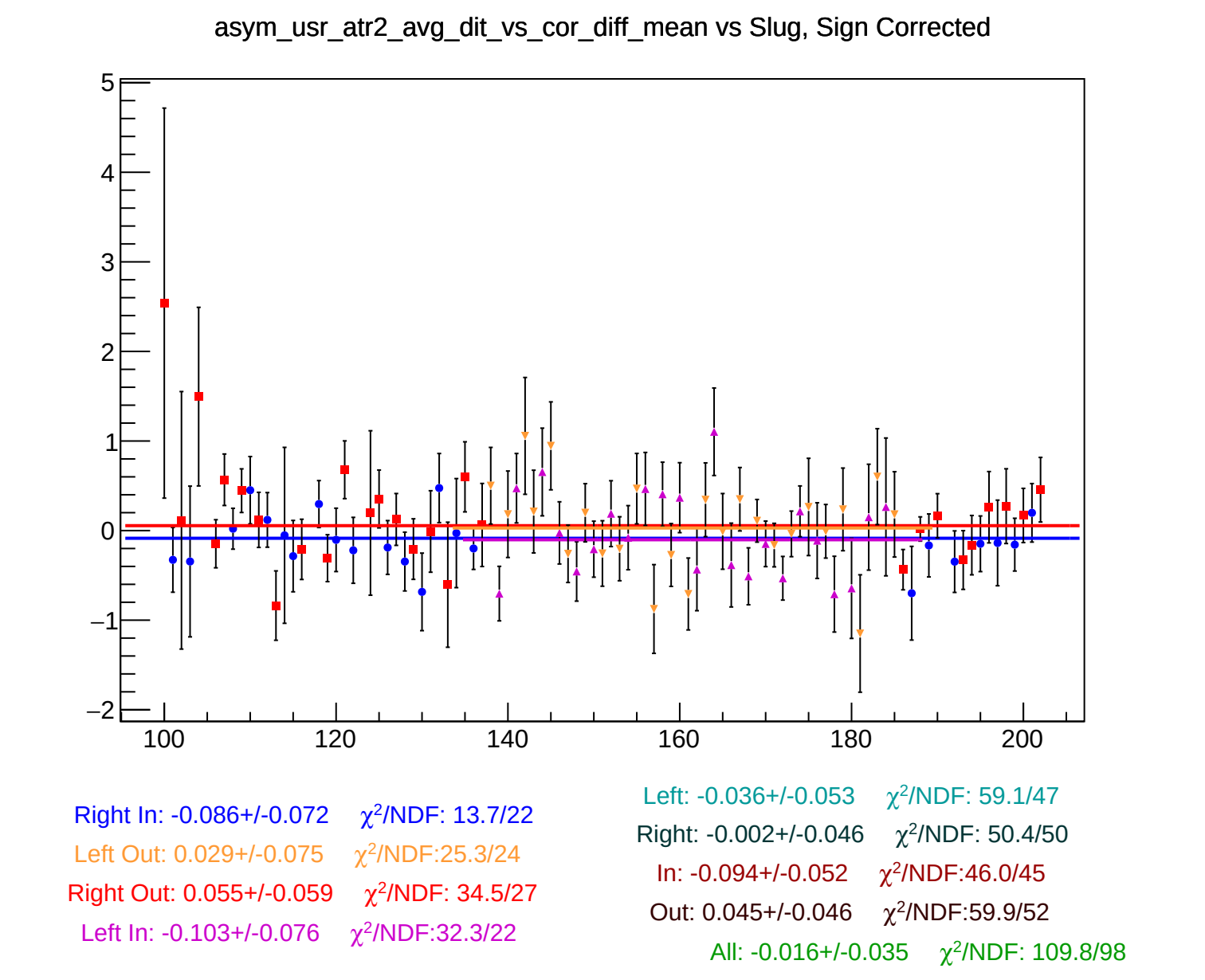
In: 5535.358+/-0.729 χ^2/NDF:3298543.4/45

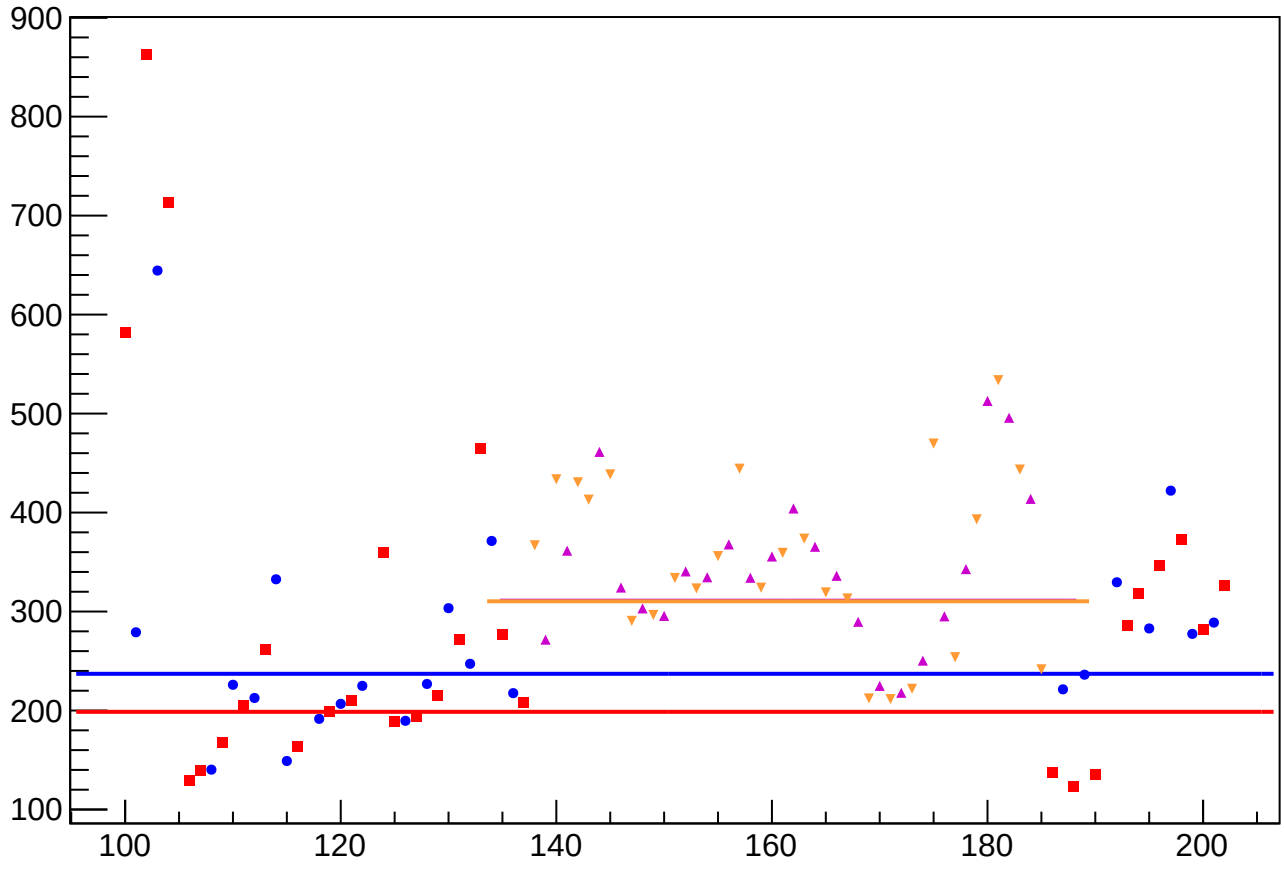
Out: 5449.999+/-0.694 χ^2/NDF:4758372.6/52

All: 5490.597+/-0.503 χ^2/NDF: 8064109.5/98


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.3/22
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.8/27
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 58.7/50
In: -0.000+/-0.000 χ²/NDF:38.6/45
Out: 0.000+/-0.000 χ²/NDF:55.6/52
All: -0.000+/-0.000 χ²/NDF: 97.8/98


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4028877.7/22
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5549227.4/27
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
Left: 0.000+/-0.000 χ²/NDF: 3219165.7/47
Right: 0.000+/-0.000 χ²/NDF: 9579536.2/50
In: 0.000+/-0.000 χ²/NDF:6525444.7/45
Out: 0.000+/-0.000 χ²/NDF:8363826.0/52
All: 0.000+/-0.000 χ²/NDF: 14922417.5/98


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.086+/-0.072 χ²/NDF: 13.7/22
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.055+/-0.059 χ²/NDF: 34.5/27
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: -0.002+/-0.046 χ²/NDF: 50.4/50
In: -0.094+/-0.052 χ²/NDF:46.0/45
Out: 0.045+/-0.046 χ²/NDF:59.9/52
All: -0.016+/-0.035 χ²/NDF: 109.8/98



Right In: 237.098+/-0.051 χ^2/NDF: 1853926.5/22

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 198.685+/-0.042 χ^2/NDF: 4177877.2/27

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

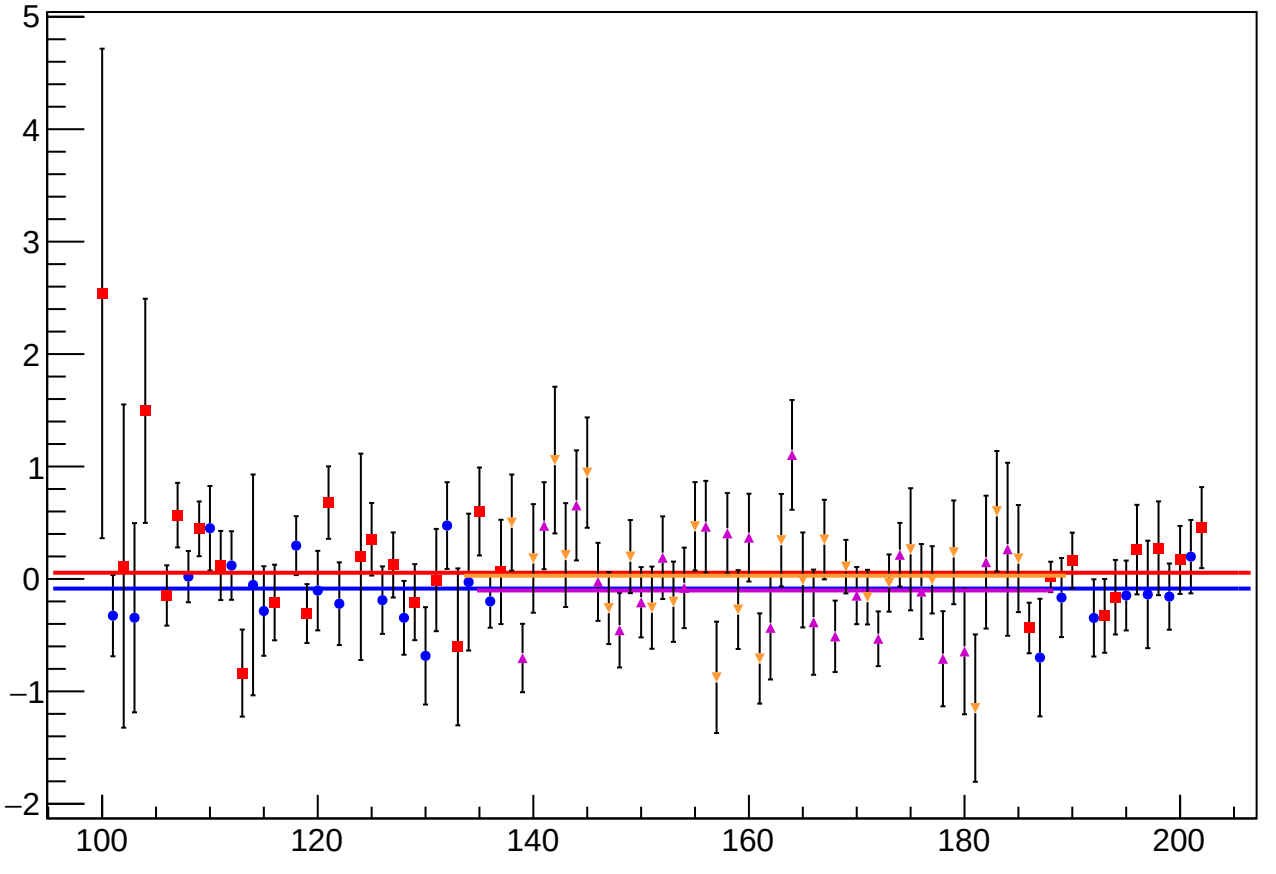
Right: 214.203+/-0.032 χ^2/NDF: 6370841.8/50

In: 271.925+/-0.037 χ^2/NDF:4446005.3/45

Out: 241.877+/-0.033 χ^2/NDF:9284415.8/52

All: 255.106+/-0.025 χ^2/NDF: 14099113.7/98

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.055+/-0.059 χ^2/NDF: 34.5/27

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

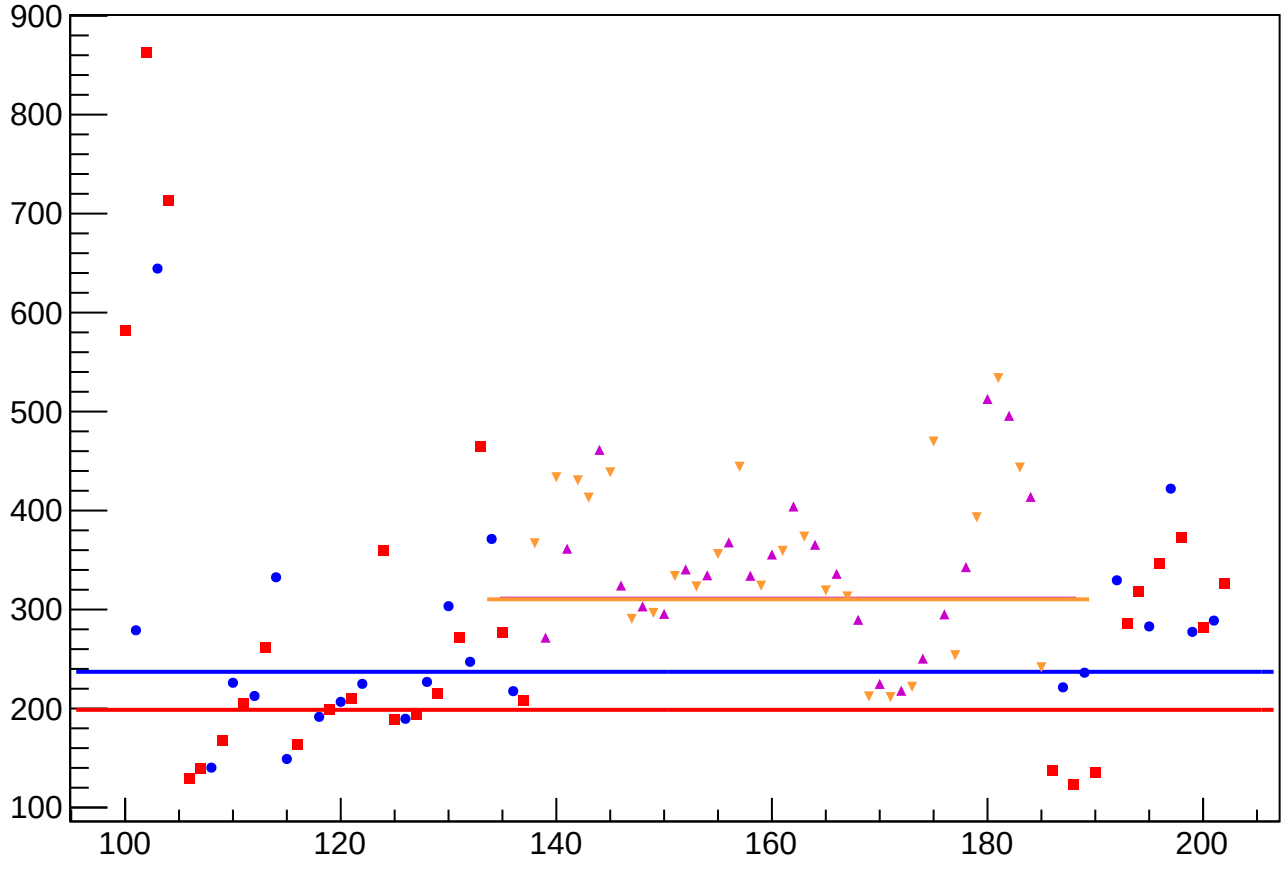
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.002+/-0.046 χ^2/NDF: 50.4/50

In: -0.094+/-0.052 χ^2/NDF:46.0/45

Out: 0.045+/-0.046 χ^2/NDF:59.9/52

All: -0.016+/-0.035 χ^2/NDF: 109.8/98



Right In: 237.098+/-0.051 χ^2/NDF: 1853926.5/22

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 198.685+/-0.042 χ^2/NDF: 4177877.2/27

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

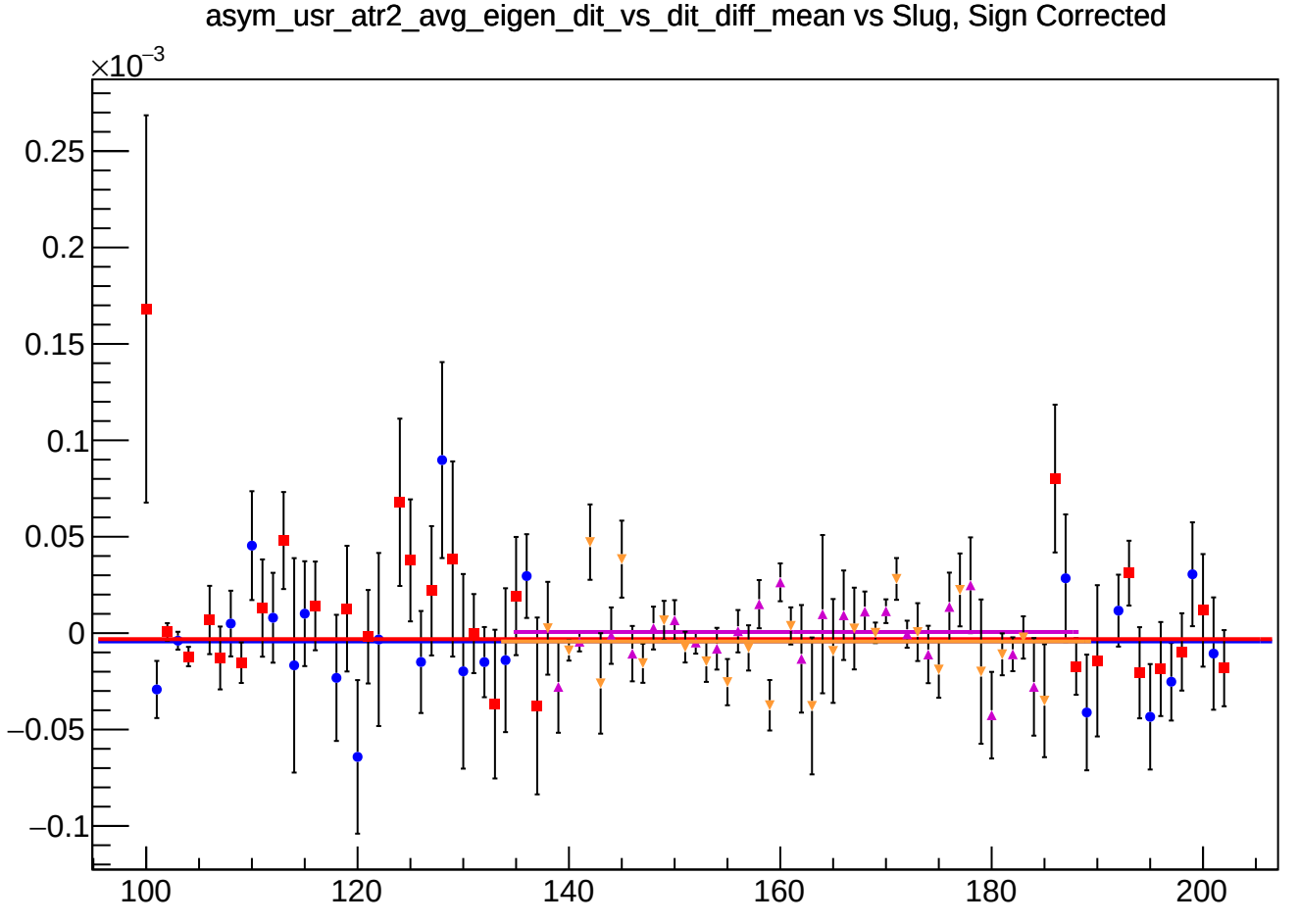
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 214.203+/-0.032 χ^2/NDF: 6370841.8/50

In: 271.925+/-0.037 χ^2/NDF:4446005.3/45

Out: 241.877+/-0.033 χ^2/NDF:9284415.8/52

All: 255.106+/-0.025 χ^2/NDF: 14099113.7/98



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.4/27

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

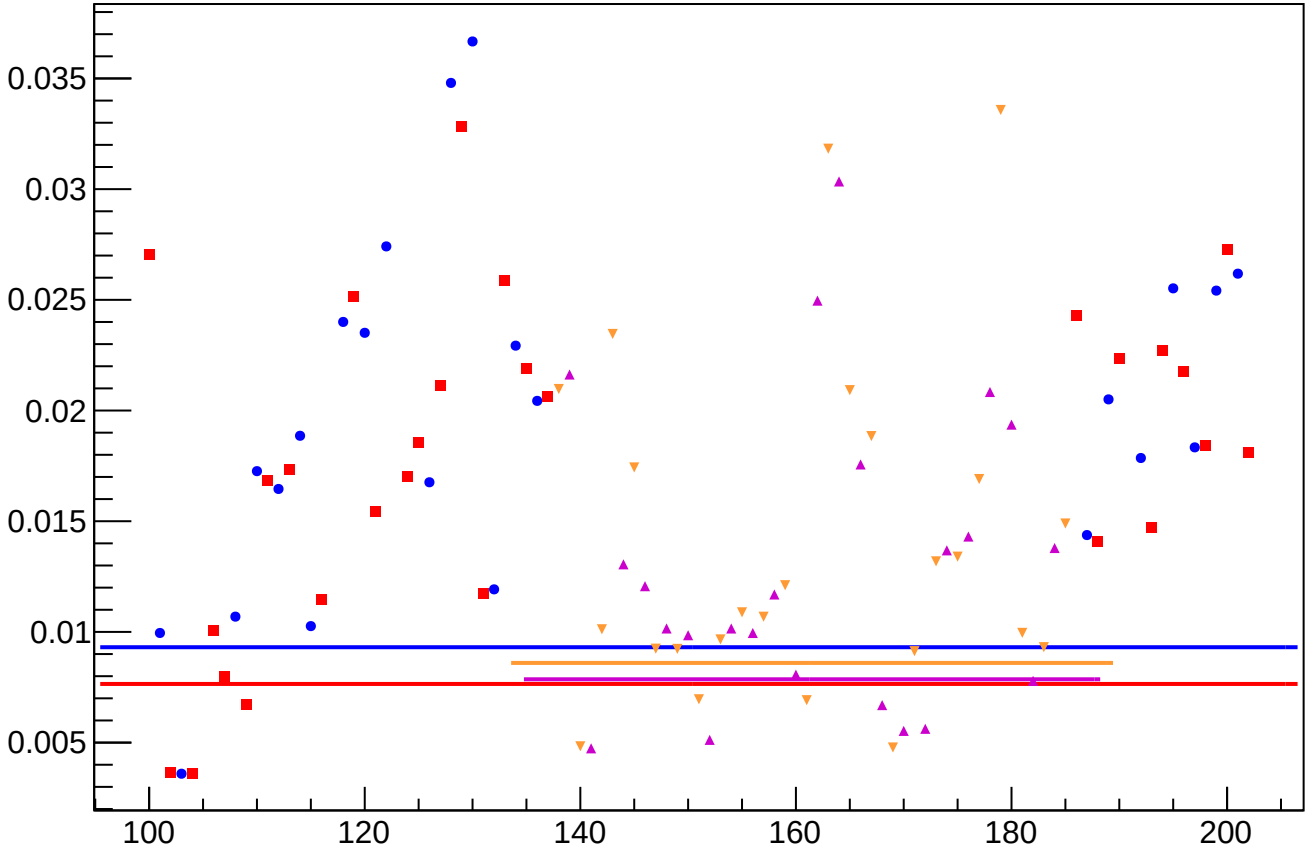
Right: -0.000+/-0.000 χ^2/NDF: 57.5/50

In: -0.000+/-0.000 χ^2/NDF:52.0/45

Out: -0.000+/-0.000 χ^2/NDF:75.8/52

All: -0.000+/-0.000 χ^2/NDF: 129.4/98

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 9781395.1/22

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.008+/-0.000 χ^2/NDF: 11541136.8/27

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

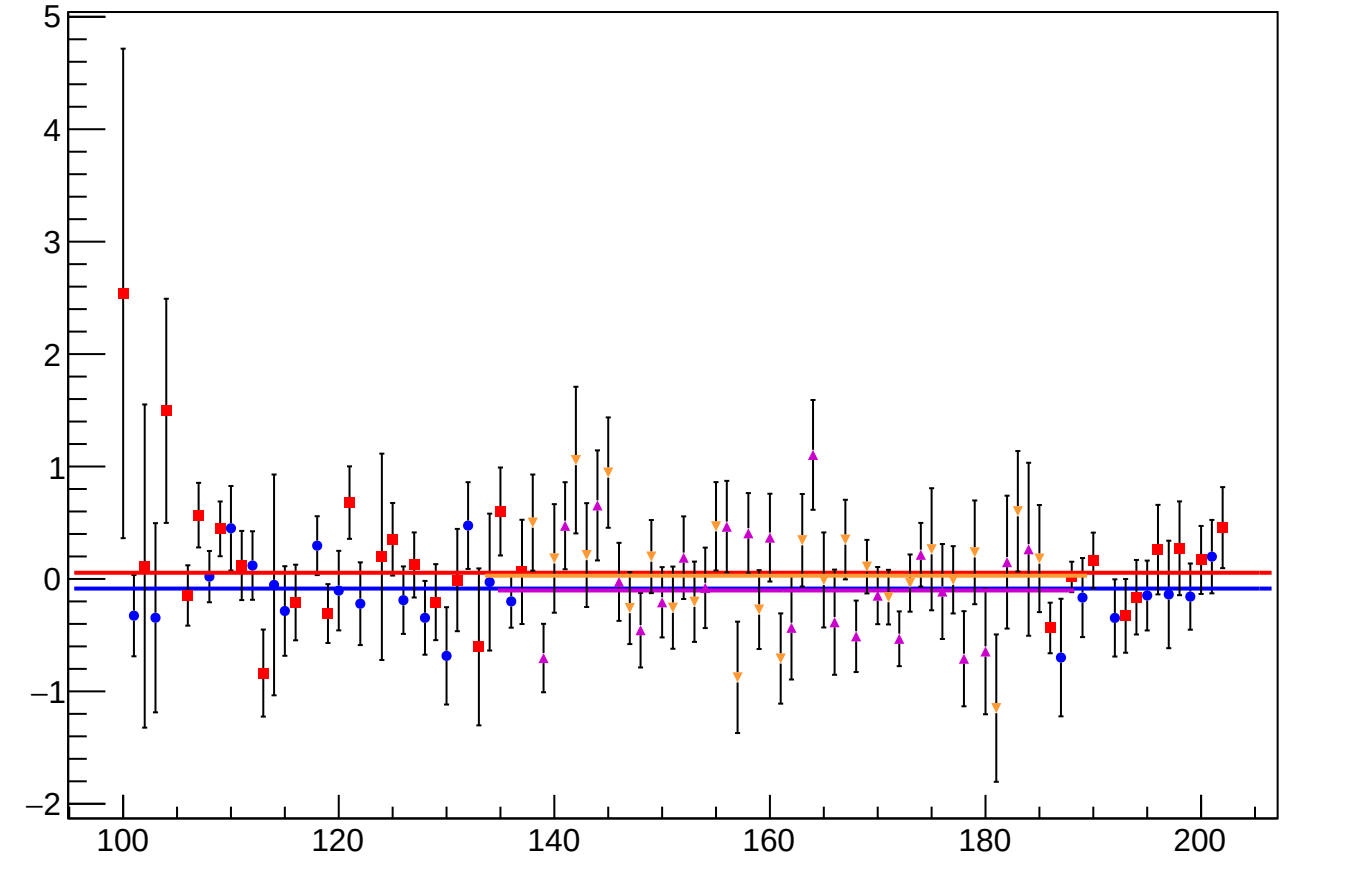
Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

Right: 0.008+/-0.000 χ^2/NDF: 21603708.9/50

In: 0.008+/-0.000 χ^2/NDF:16808617.8/45

Out: 0.008+/-0.000 χ^2/NDF:19341712.2/52

All: 0.008+/-0.000 χ^2/NDF: 36150972.2/98



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.055+/-0.059 χ^2/NDF: 34.5/27

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

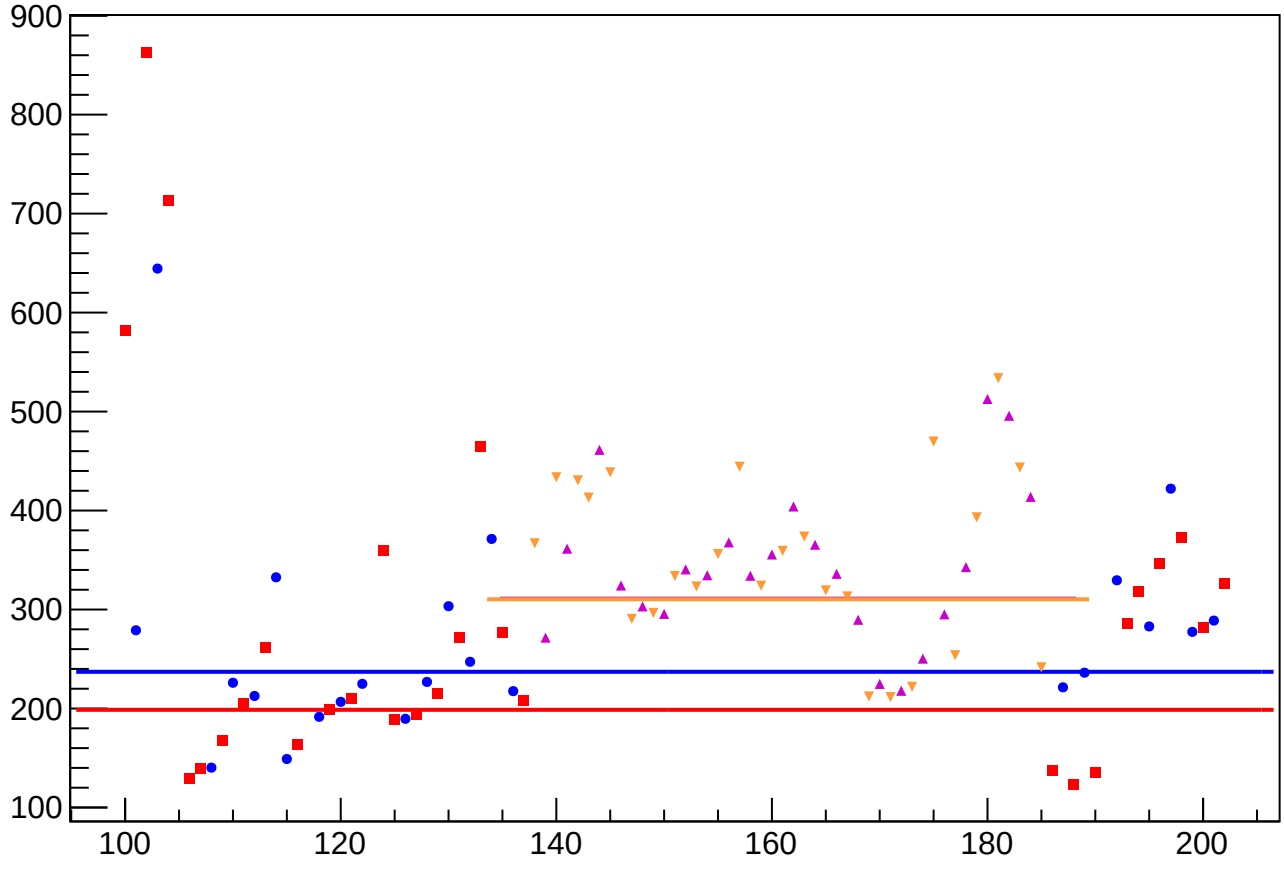
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.002+/-0.046 χ^2/NDF: 50.4/50

In: -0.094+/-0.052 χ^2/NDF:46.0/45

Out: 0.045+/-0.046 χ^2/NDF:59.9/52

All: -0.016+/-0.035 χ^2/NDF: 109.8/98



Right In: 237.097+/-0.051 χ^2/NDF: 1853908.7/22

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 198.683+/-0.042 χ^2/NDF: 4178016.7/27

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

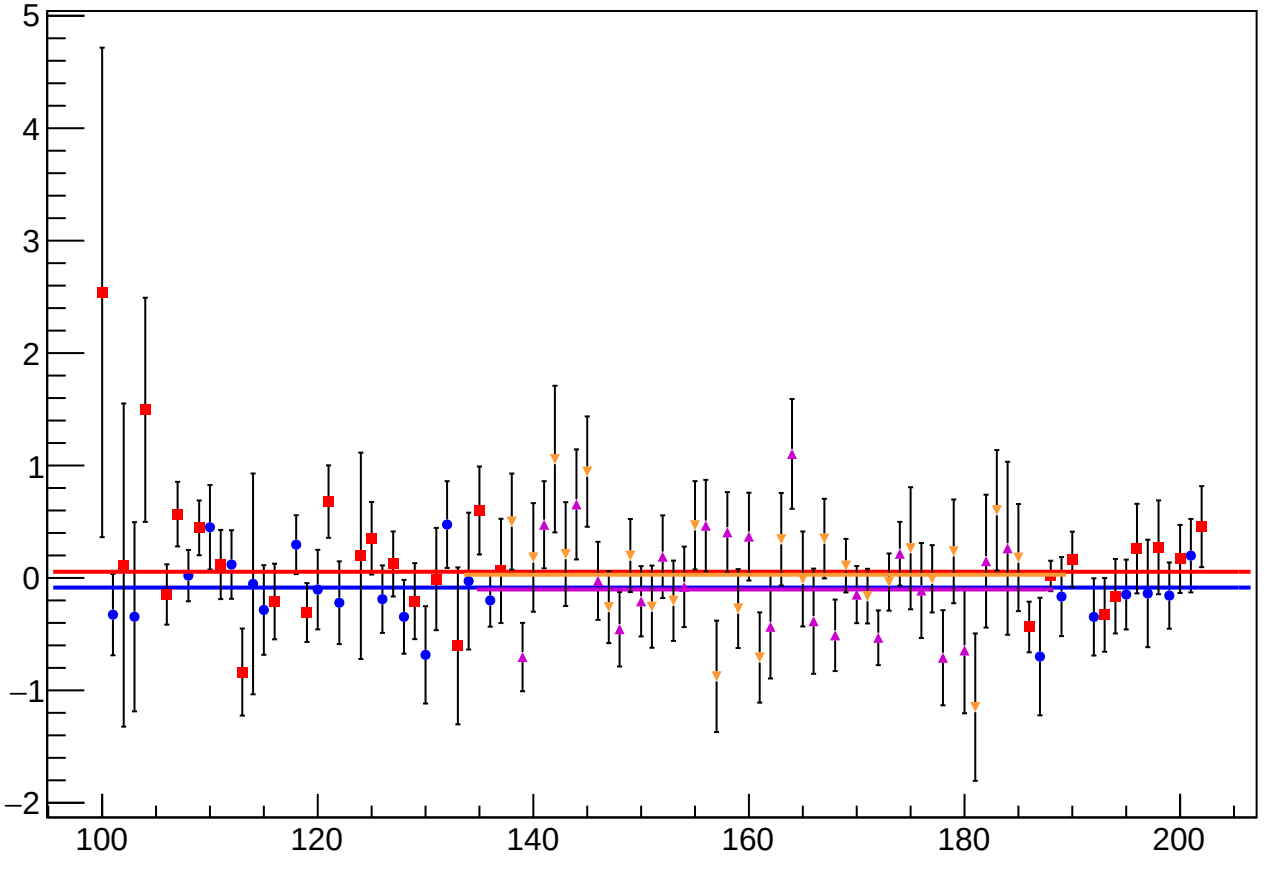
Right: 214.201+/-0.032 χ^2/NDF: 6371002.4/50

In: 271.926+/-0.037 χ^2/NDF:4446122.8/45

Out: 241.875+/-0.033 χ^2/NDF:9284897.1/52

All: 255.105+/-0.025 χ^2/NDF: 14099765.6/98

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.055+/-0.059 χ^2/NDF: 34.5/27

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

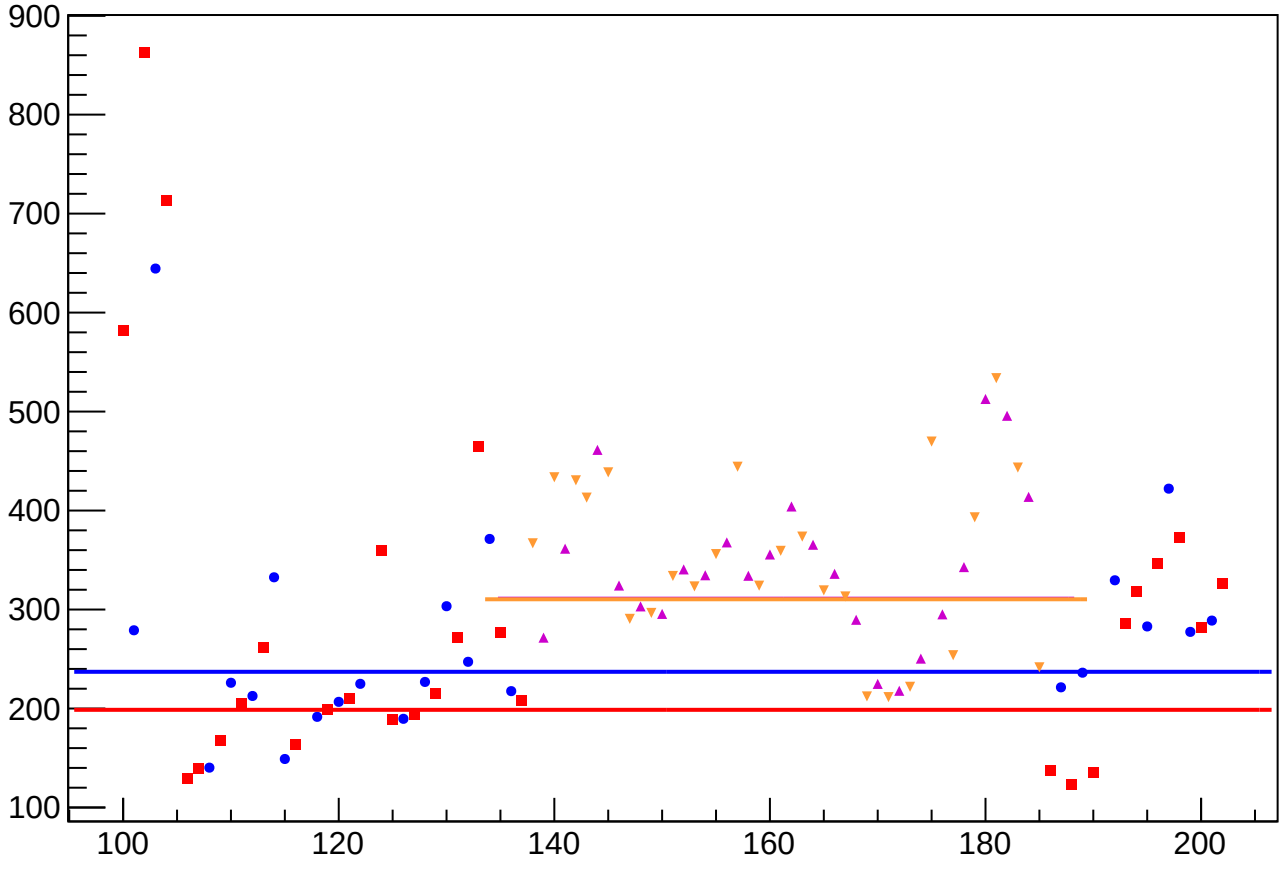
Right: -0.002+/-0.046 χ^2/NDF: 50.4/50

In: -0.094+/-0.052 χ^2/NDF:46.0/45

Out: 0.045+/-0.046 χ^2/NDF:59.9/52

All: -0.016+/-0.035 χ^2/NDF: 109.8/98

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 237.097+/-0.051 χ^2/NDF: 1853908.7/22

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 198.683+/-0.042 χ^2/NDF: 4178016.7/27

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

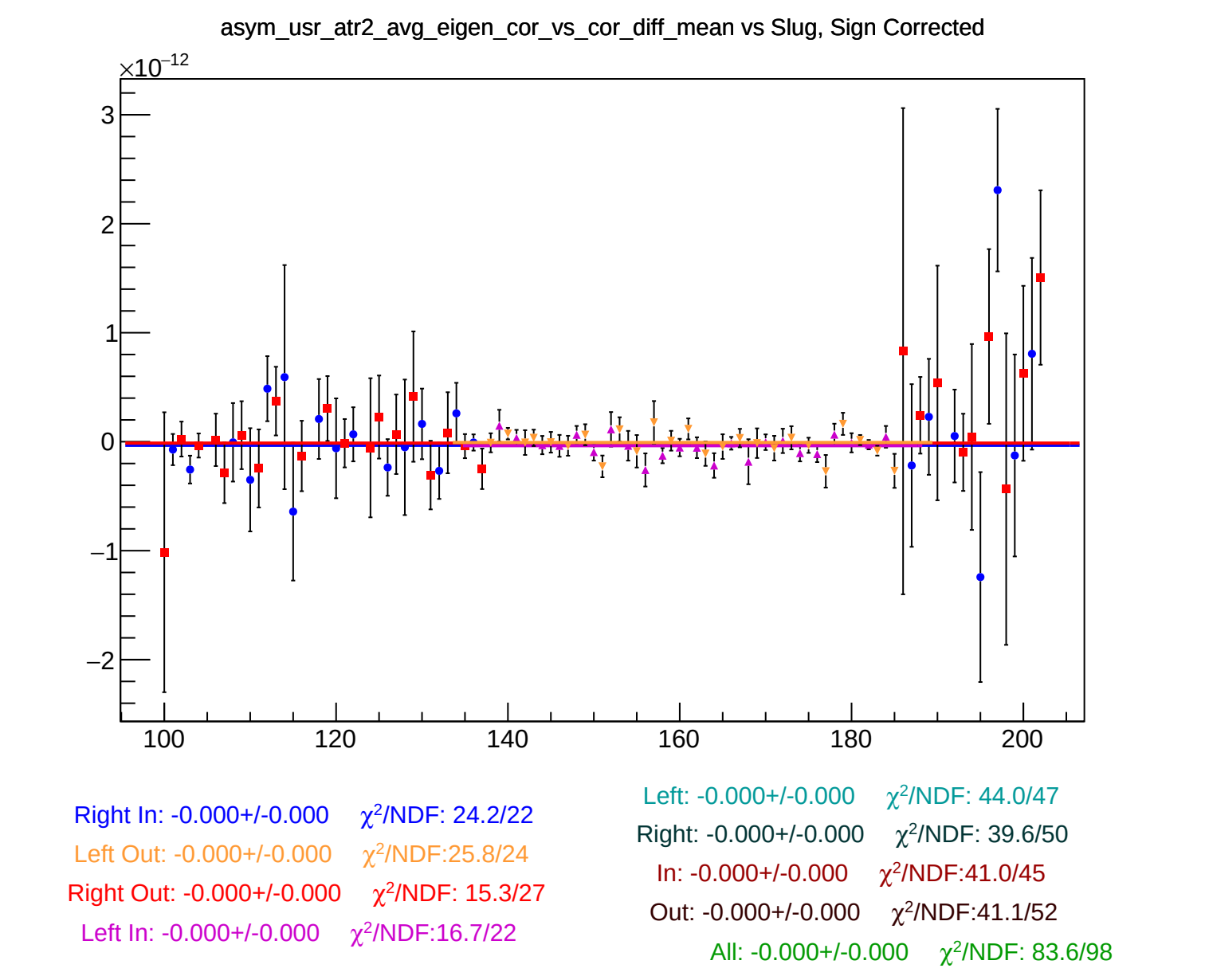
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

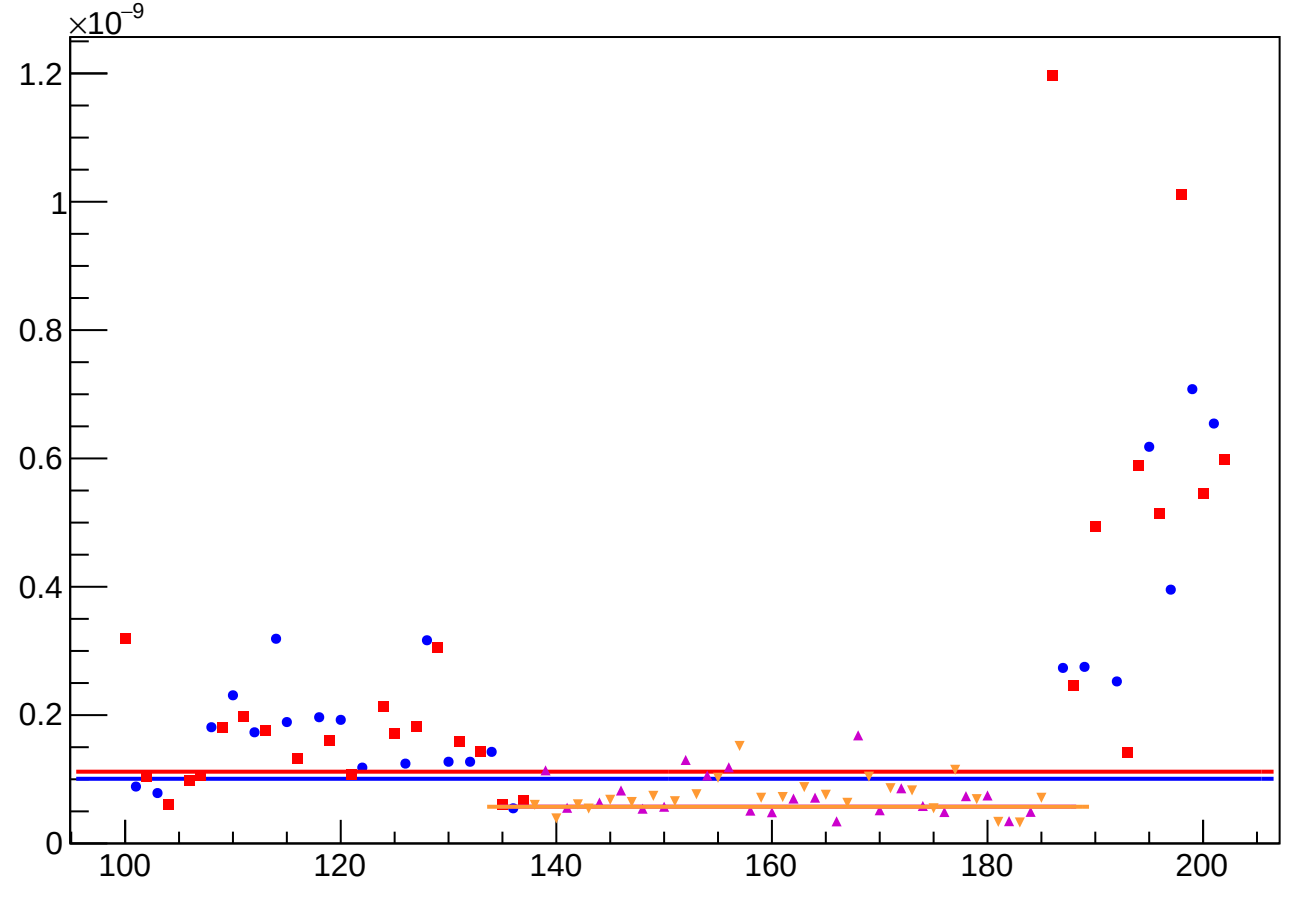
Right: 214.201+/-0.032 χ^2/NDF: 6371002.4/50

In: 271.926+/-0.037 χ^2/NDF:4446122.8/45

Out: 241.875+/-0.033 χ^2/NDF:9284897.1/52

All: 255.105+/-0.025 χ^2/NDF: 14099765.6/98


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
Right In: -0.000+/-0.000 χ²/NDF: 24.2/22
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.3/27
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: 39.6/50
In: -0.000+/-0.000 χ²/NDF:41.0/45
Out: -0.000+/-0.000 χ²/NDF:41.1/52
All: -0.000+/-0.000 χ²/NDF: 83.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 5016202.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6110309.2/27

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

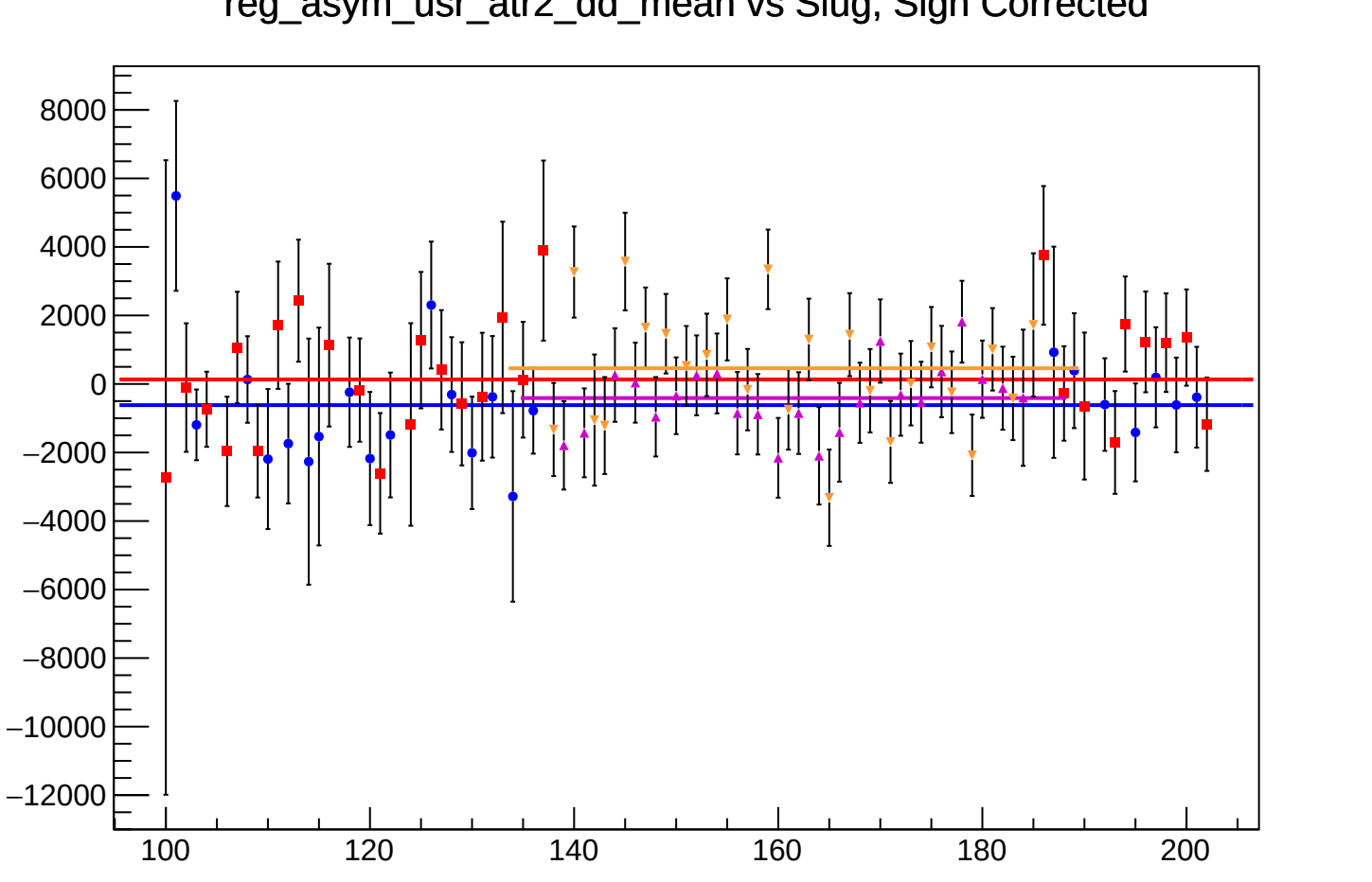
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11175986.7/50

In: 0.000+/-0.000 χ^2/NDF:9708862.2/45

Out: 0.000+/-0.000 χ^2/NDF:11551323.1/52

All: 0.000+/-0.000 χ^2/NDF: 21261274.4/98



Right In: -617.653+/-344.474 χ^2/NDF: 13.0/22

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 132.387+/-318.646 χ^2/NDF: 22.5/27

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

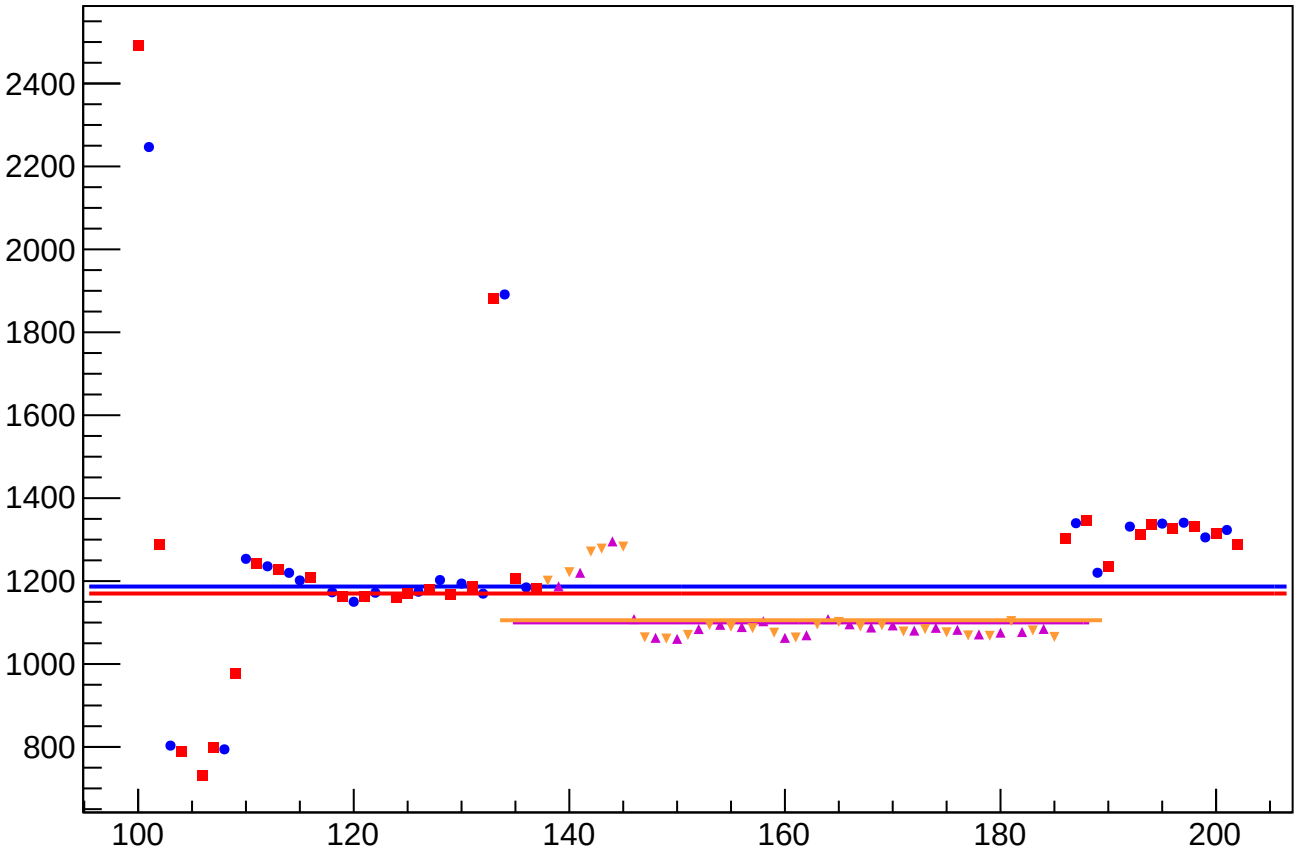
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -213.463+/-233.915 χ^2/NDF: 38.1/50

In: -485.137+/-206.092 χ^2/NDF:26.9/45

Out: 333.475+/-197.435 χ^2/NDF:65.3/52

All: -58.278+/-142.570 χ^2/NDF: 100.4/98



Right In: 1186.834+/-0.244 χ^2/NDF: 977439.1/22

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1170.030+/-0.224 χ^2/NDF: 933798.4/27

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

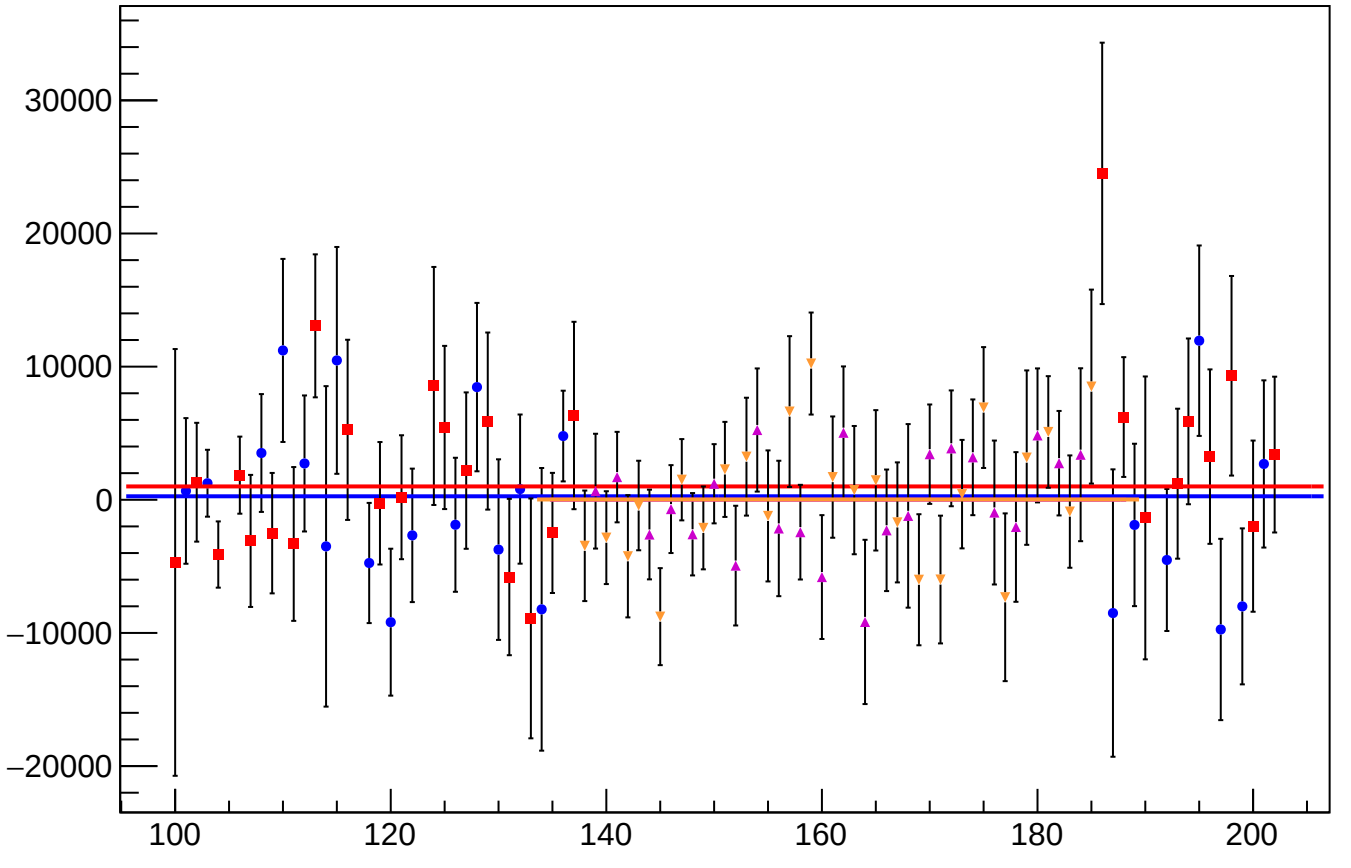
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1177.736+/-0.165 χ^2/NDF: 1913814.2/50

In: 1131.306+/-0.146 χ^2/NDF:1138619.9/45

Out: 1130.457+/-0.139 χ^2/NDF:1106516.0/52

All: 1130.862+/-0.101 χ^2/NDF: 2245153.6/98



Right In: 262.647+/-1101.433 χ^2/NDF: 22.7/22

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 1003.287+/-987.024 χ^2/NDF: 26.9/27

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

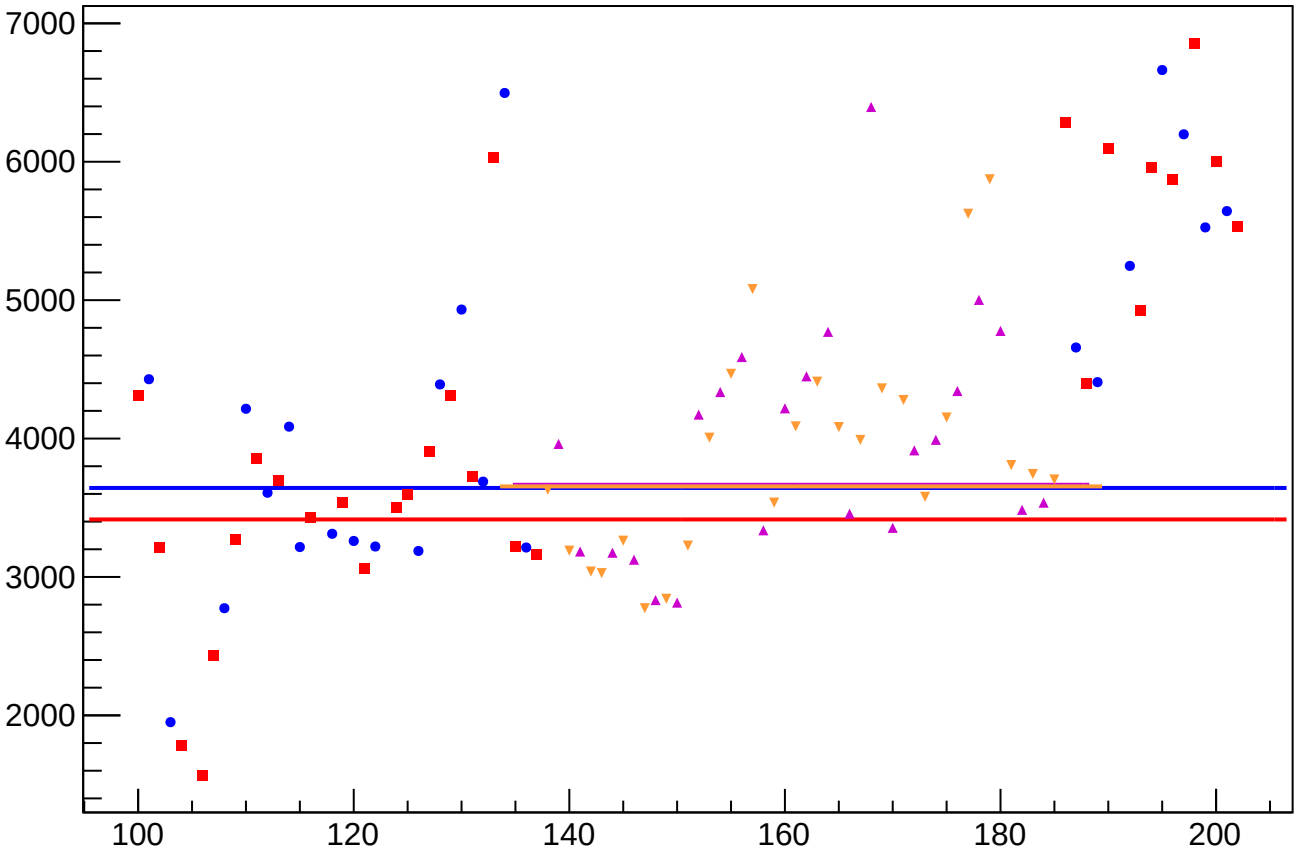
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 673.419+/-735.063 χ^2/NDF: 49.8/50

In: 105.531+/-685.244 χ^2/NDF:36.7/45

Out: 440.868+/-644.259 χ^2/NDF:55.9/52

All: 283.527+/-469.381 χ^2/NDF: 92.8/98



Right In: 3643.054+/-0.779 χ^2/NDF: 2653221.4/22

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3415.487+/-0.698 χ^2/NDF: 4191109.7/27

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

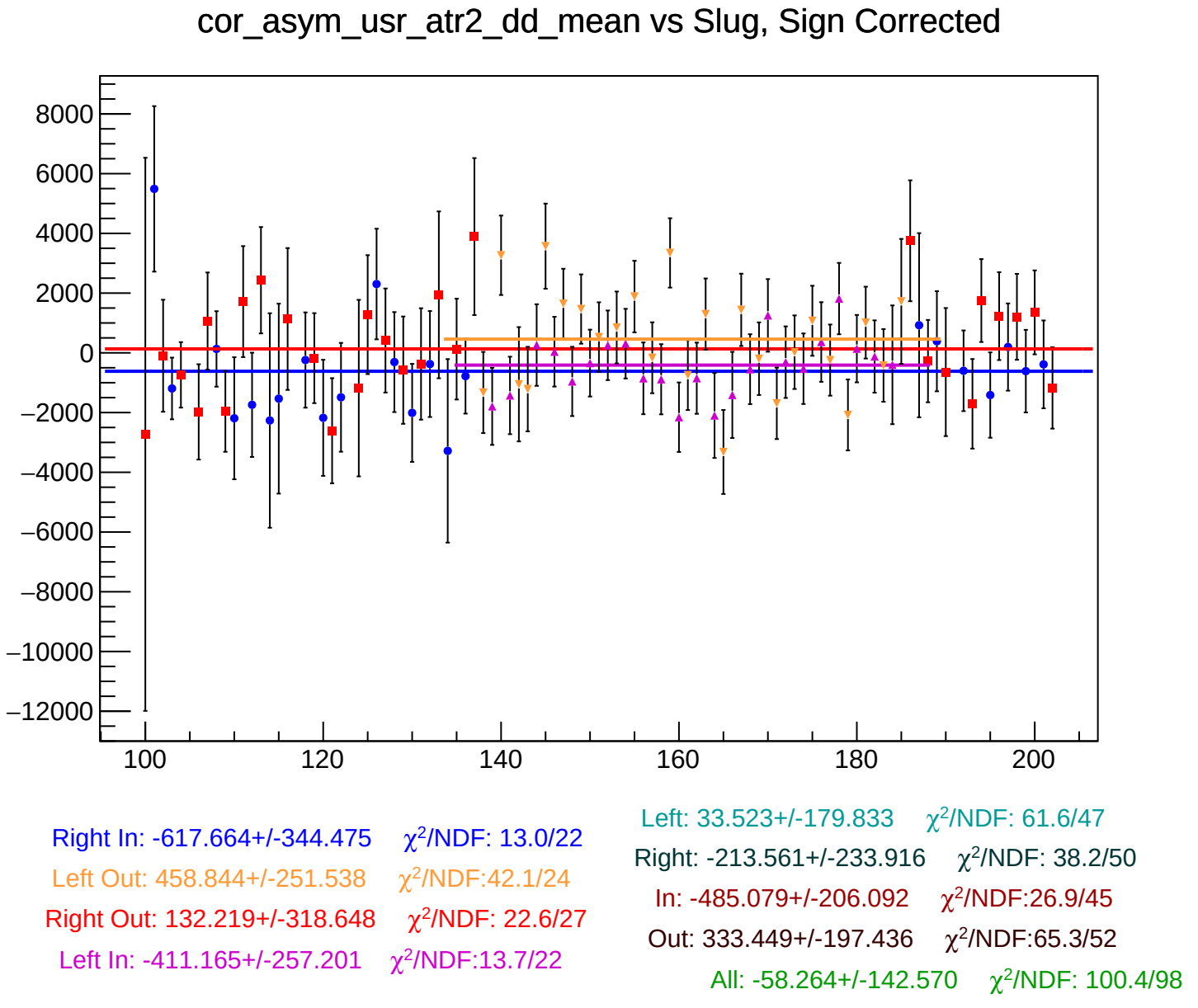
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

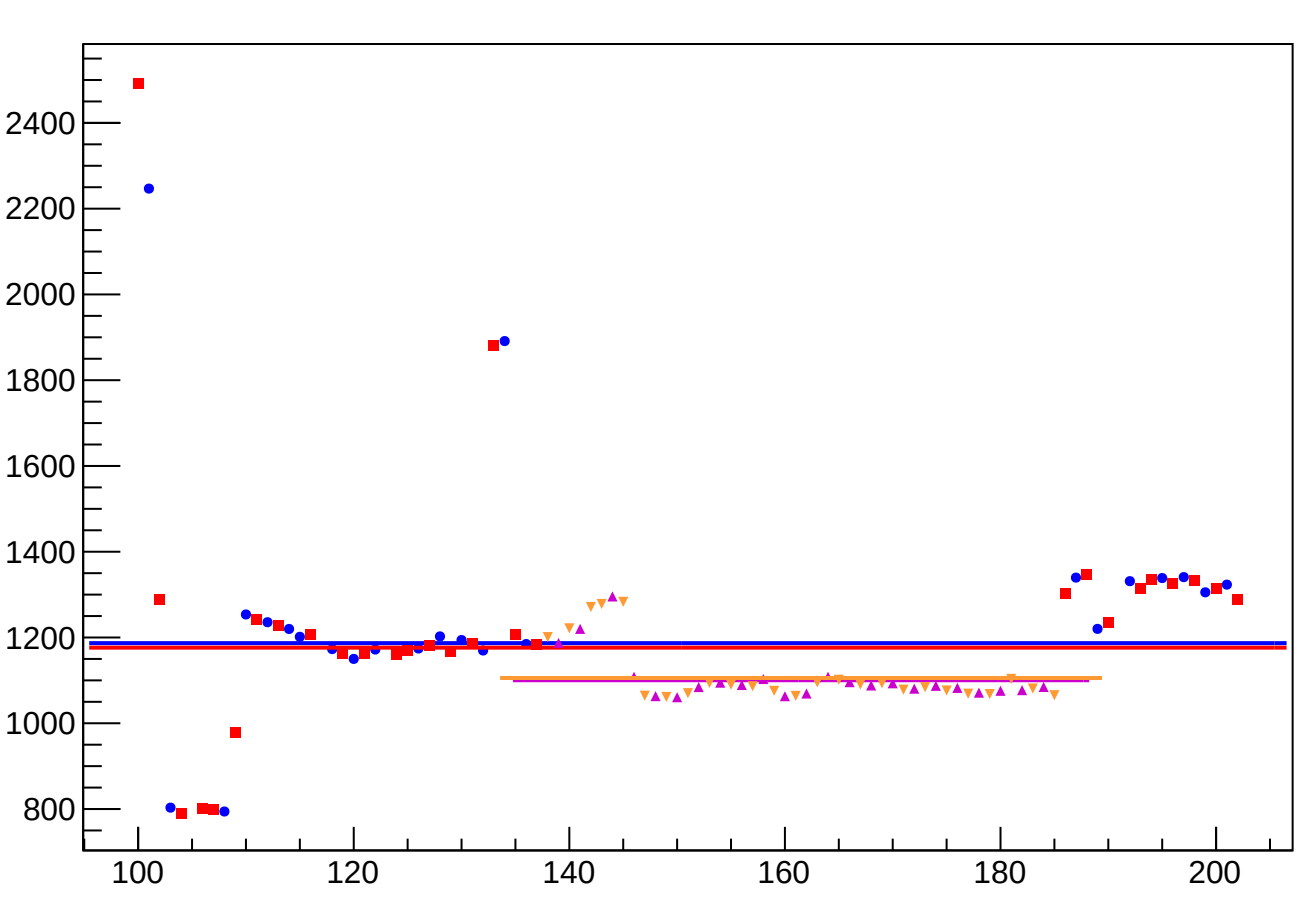
Right: 3516.842+/-0.520 χ^2/NDF: 6891681.8/50

In: 3657.191+/-0.485 χ^2/NDF:3997468.2/45

Out: 3552.494+/-0.456 χ^2/NDF:5570012.3/52

All: 3601.618+/-0.332 χ^2/NDF: 9592262.5/98


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -617.664+/-344.475 χ²/NDF: 13.0/22
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 132.219+/-318.648 χ²/NDF: 22.6/27
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -213.561+/-233.916 χ²/NDF: 38.2/50
In: -485.079+/-206.092 χ²/NDF:26.9/45
Out: 333.449+/-197.436 χ²/NDF:65.3/52
All: -58.264+/-142.570 χ²/NDF: 100.4/98



Right In: 1186.834+/-0.244 χ^2/NDF: 977434.7/22

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1176.341+/-0.225 χ^2/NDF: 857047.1/27

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

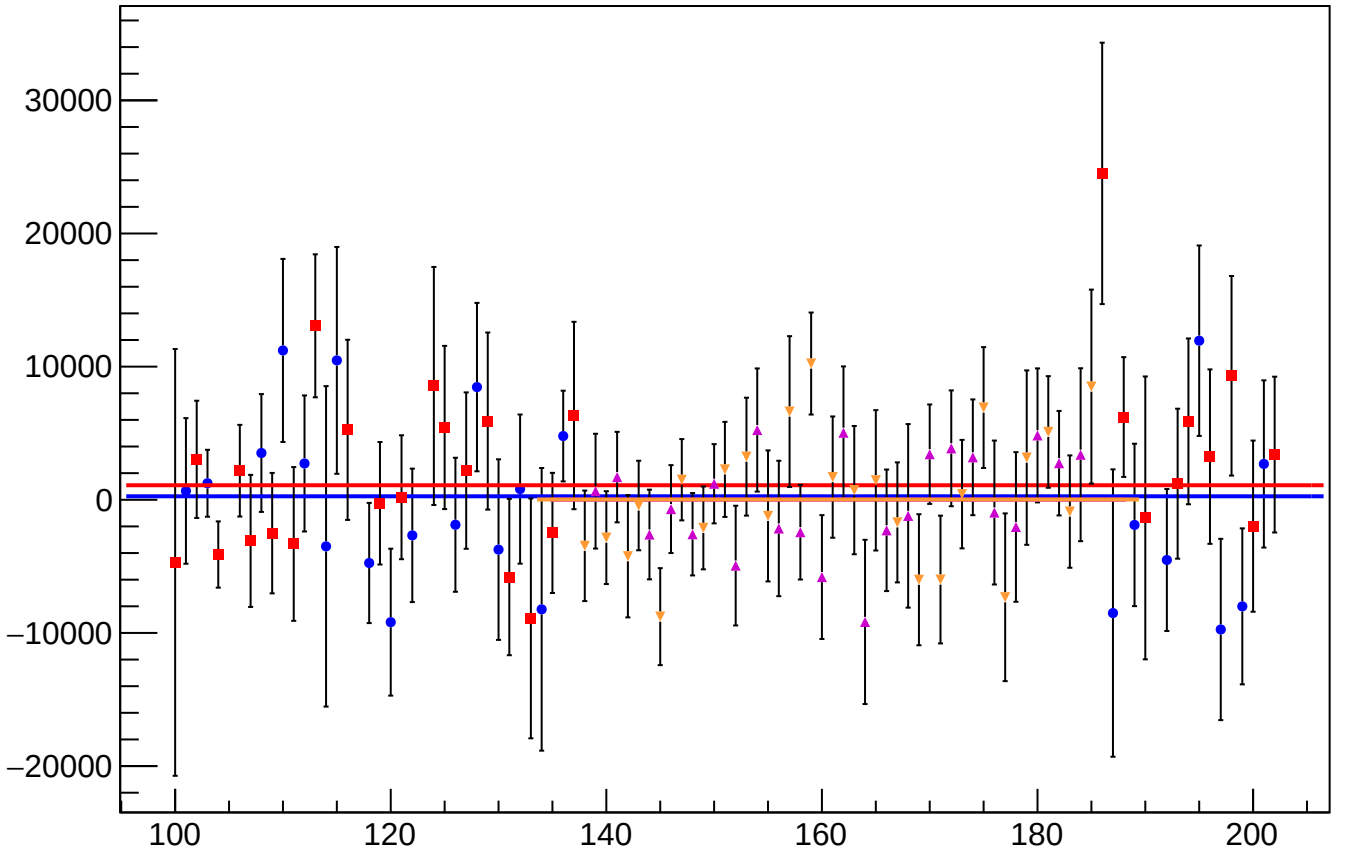
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1181.174+/-0.165 χ^2/NDF: 1835483.0/50

In: 1131.306+/-0.146 χ^2/NDF:1138616.2/45

Out: 1132.766+/-0.140 χ^2/NDF:1039900.5/52

All: 1132.067+/-0.101 χ^2/NDF: 2178569.1/98



Right In: 262.176+/-1101.469 χ^2/NDF: 22.7/22

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1091.812+/-1003.603 χ^2/NDF: 27.1/27

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

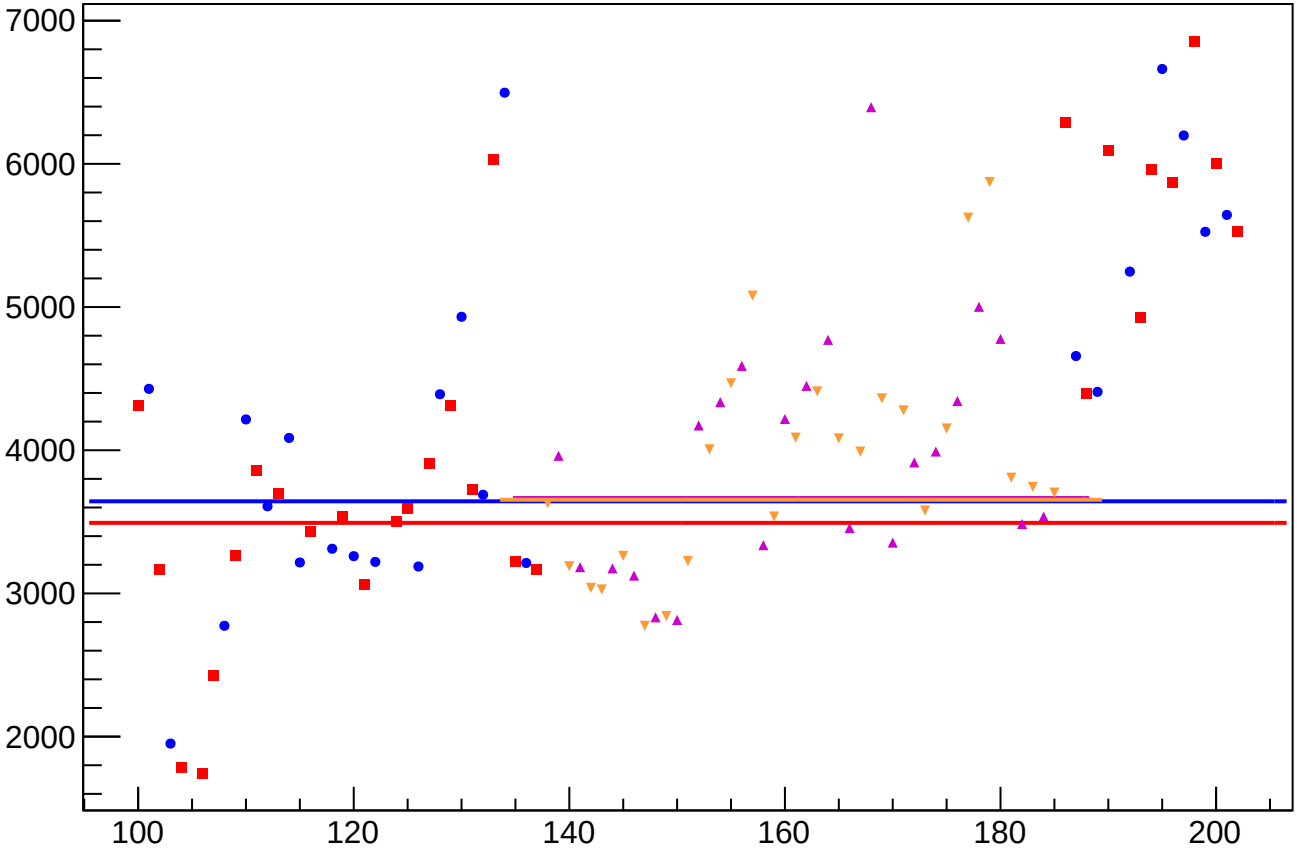
Right: 715.481+/-741.845 χ^2/NDF: 50.1/50

In: 105.376+/-685.252 χ^2/NDF:36.7/45

Out: 469.899+/-648.803 χ^2/NDF:56.2/52

All: 297.590+/-471.132 χ^2/NDF: 93.1/98

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3643.231+/-0.779 χ^2/NDF: 2652531.6/22

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3492.795+/-0.710 χ^2/NDF: 3836783.8/27

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

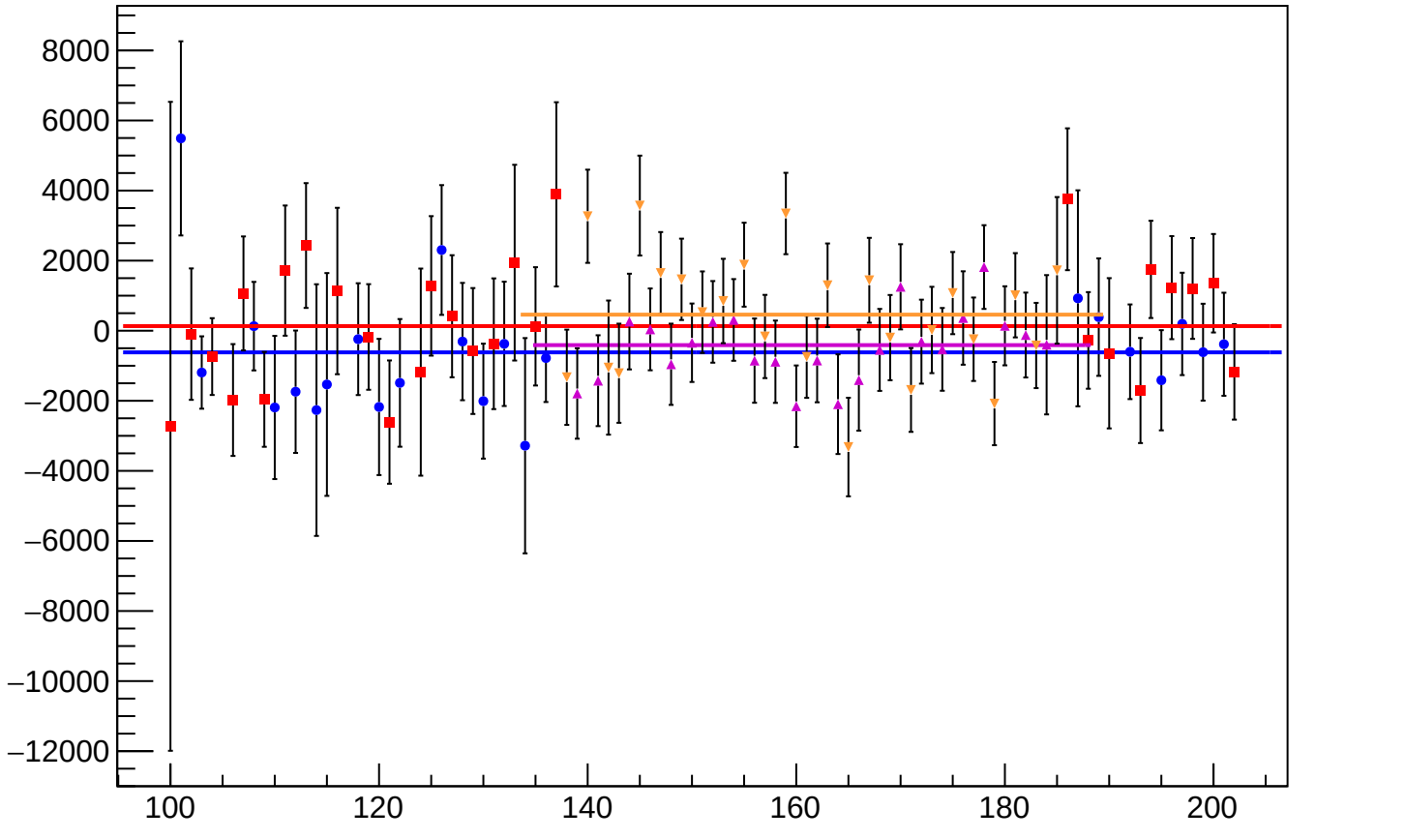
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3561.034+/-0.525 χ^2/NDF: 6509699.5/50

In: 3657.257+/-0.485 χ^2/NDF:3996772.3/45

Out: 3586.741+/-0.459 χ^2/NDF:5178661.8/52

All: 3620.074+/-0.333 χ^2/NDF: 9186601.9/98



Right In: -617.664+/-344.475 χ^2/NDF: 13.0/22

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 132.219+/-318.648 χ^2/NDF: 22.6/27

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

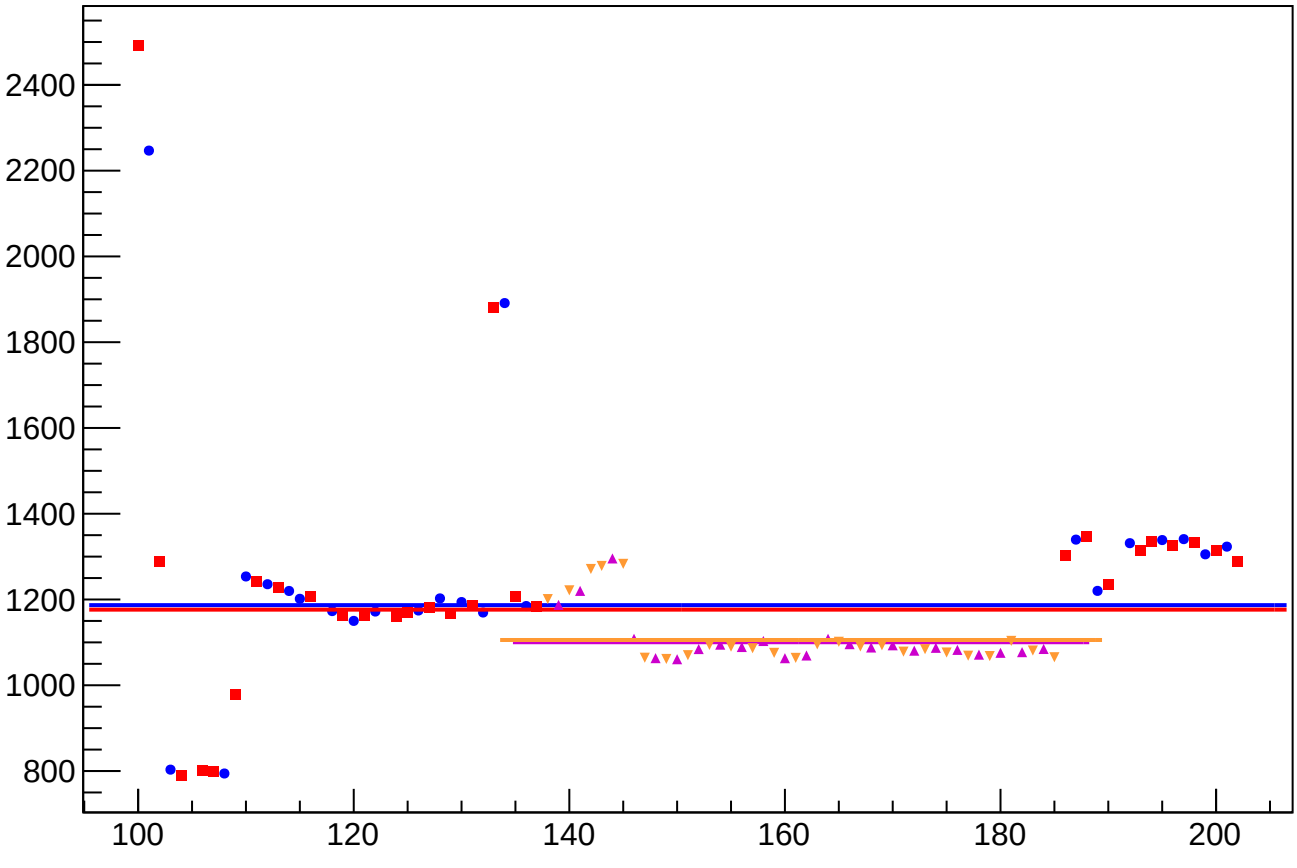
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -213.561+/-233.916 χ^2/NDF: 38.2/50

In: -485.079+/-206.092 χ^2/NDF:26.9/45

Out: 333.449+/-197.436 χ^2/NDF:65.3/52

All: -58.264+/-142.570 χ^2/NDF: 100.4/98



Right In: 1186.834+/-0.244 χ^2/NDF: 977434.7/22

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1176.341+/-0.225 χ^2/NDF: 857047.1/27

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

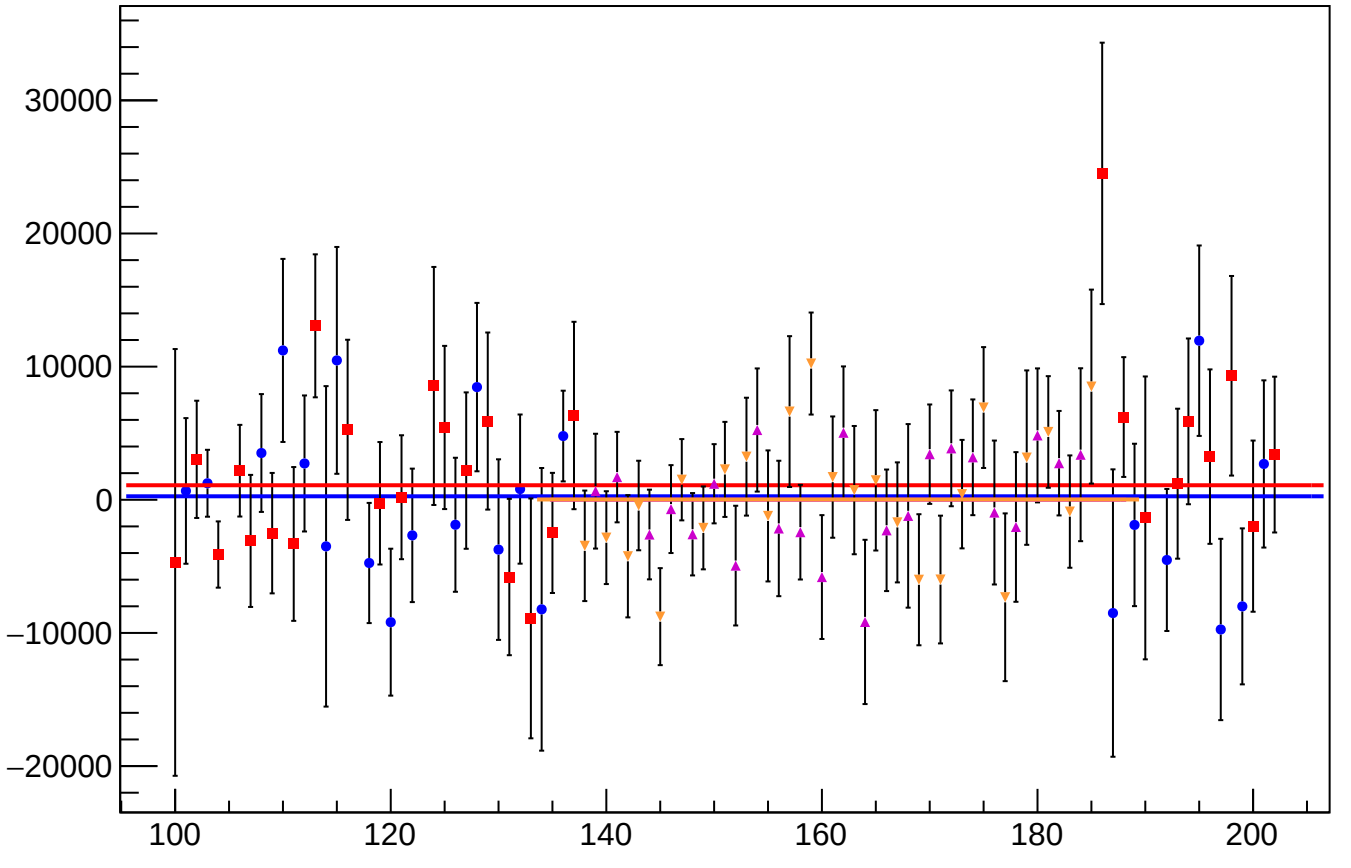
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1181.174+/-0.165 χ^2/NDF: 1835483.0/50

In: 1131.306+/-0.146 χ^2/NDF:1138616.2/45

Out: 1132.766+/-0.140 χ^2/NDF:1039900.5/52

All: 1132.067+/-0.101 χ^2/NDF: 2178569.1/98



Right In: 262.176+/-1101.469 χ^2/NDF: 22.7/22

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1091.812+/-1003.603 χ^2/NDF: 27.1/27

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

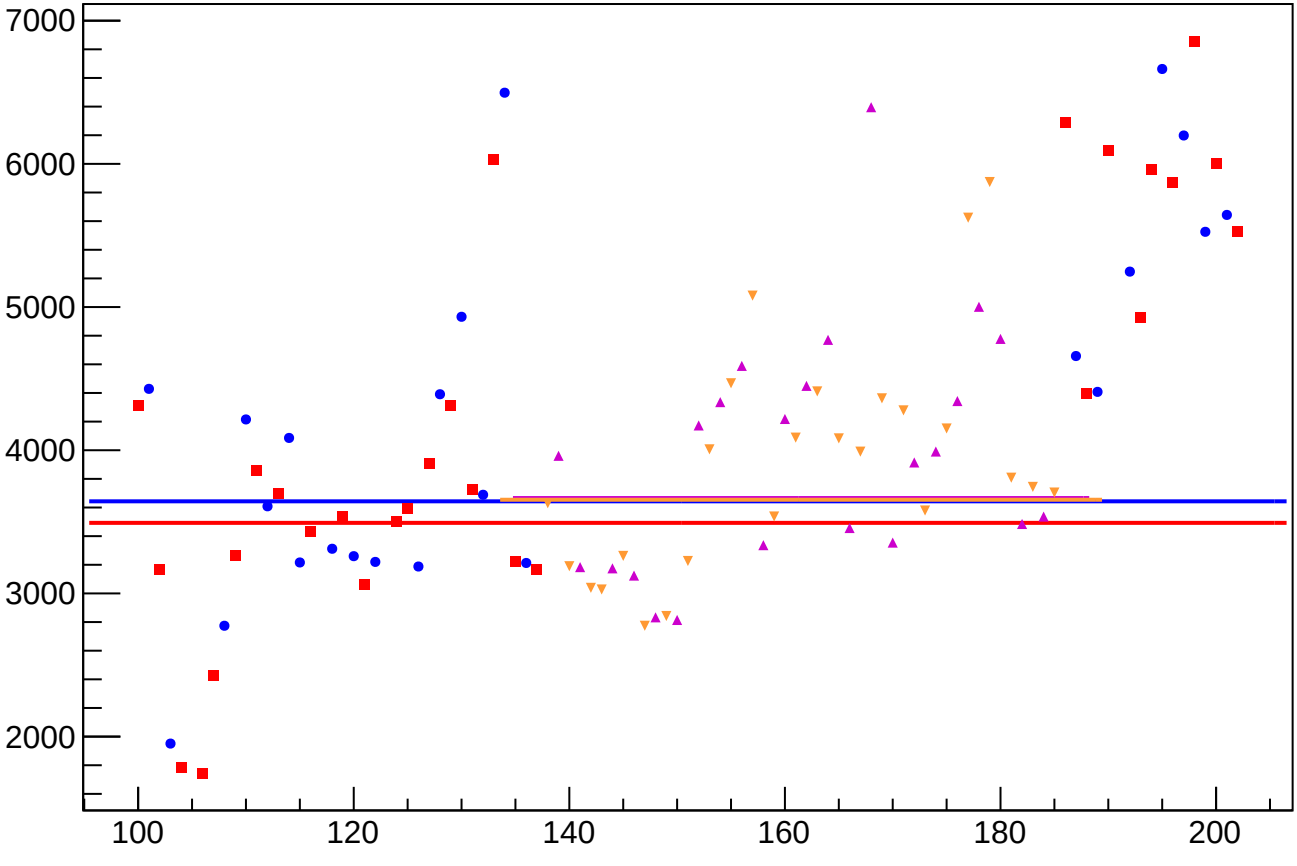
Right: 715.481+/-741.845 χ^2/NDF: 50.1/50

In: 105.376+/-685.252 χ^2/NDF:36.7/45

Out: 469.899+/-648.803 χ^2/NDF:56.2/52

All: 297.590+/-471.132 χ^2/NDF: 93.1/98

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3643.231+/-0.779 χ^2/NDF: 2652531.6/22

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3492.795+/-0.710 χ^2/NDF: 3836783.8/27

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

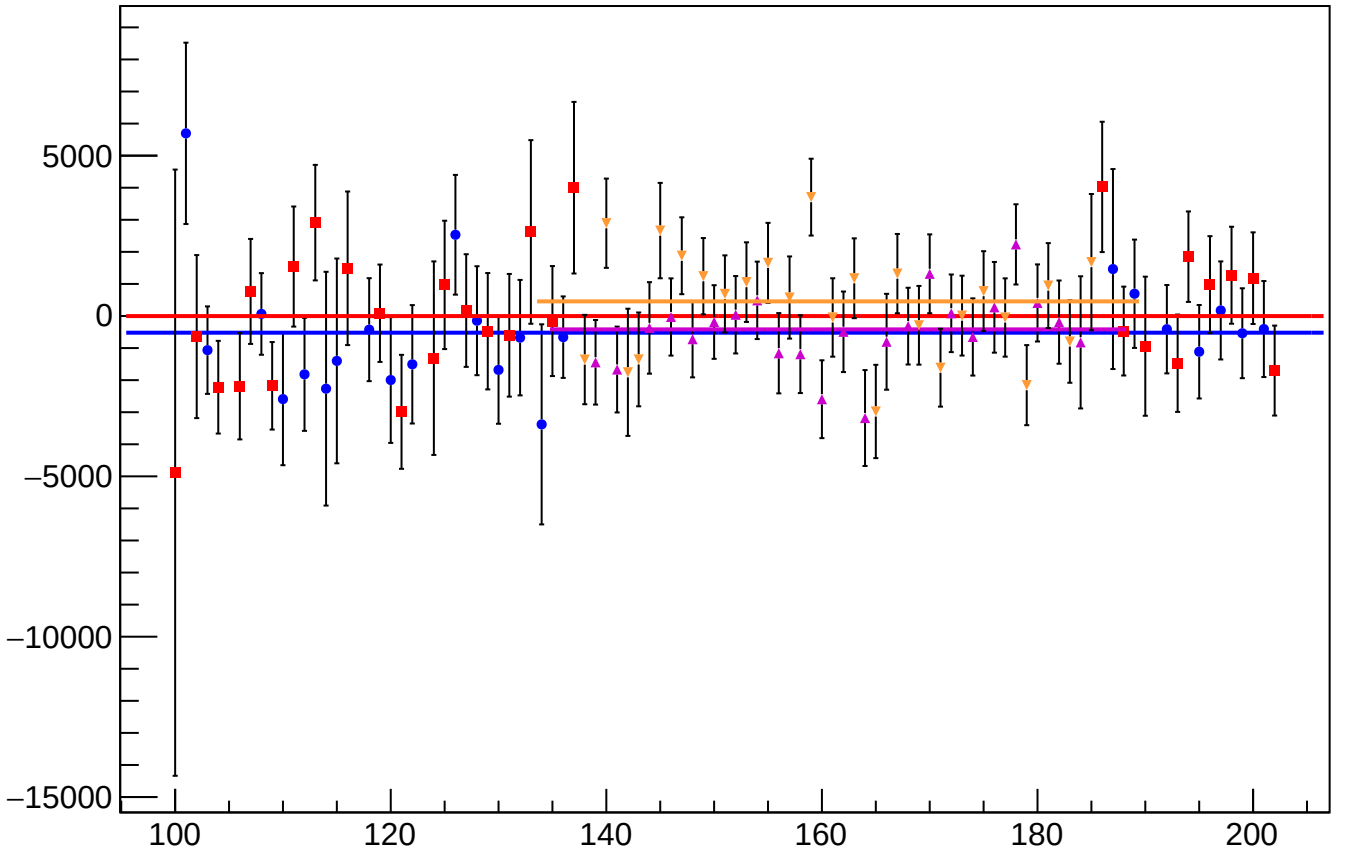
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3561.034+/-0.525 χ^2/NDF: 6509699.5/50

In: 3657.257+/-0.485 χ^2/NDF:3996772.3/45

Out: 3586.741+/-0.459 χ^2/NDF:5178661.8/52

All: 3620.074+/-0.333 χ^2/NDF: 9186601.9/98



Right In: -520.530+/-357.931 χ^2/NDF: 13.3/22

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -2.322+/-331.784 χ^2/NDF: 27.6/27

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

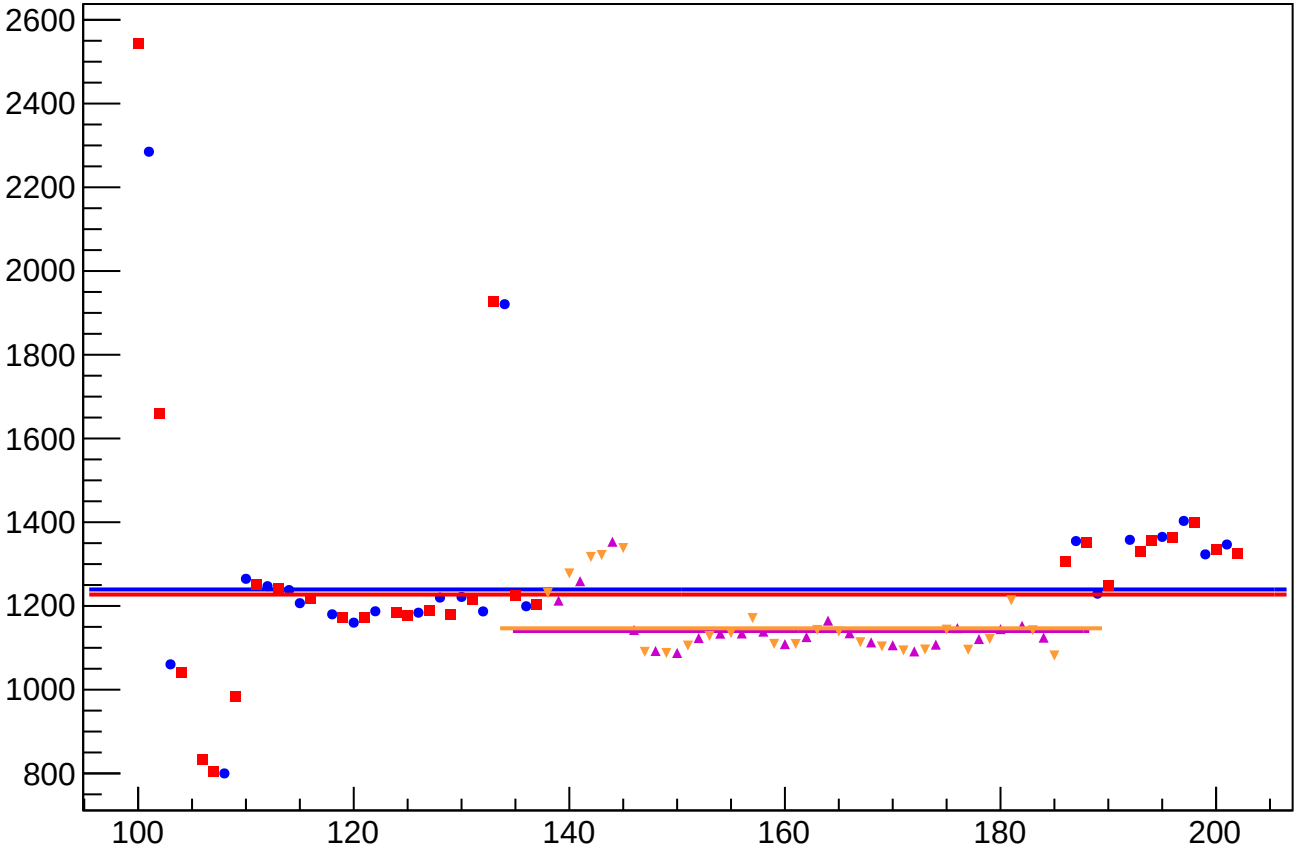
Right: -241.809+/-243.326 χ^2/NDF: 42.0/50

In: -454.069+/-213.800 χ^2/NDF:30.7/45

Out: 280.614+/-205.138 χ^2/NDF:64.9/52

All: -71.543+/-148.022 χ^2/NDF: 101.7/98

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1239.397+/-0.253 χ^2/NDF: 728674.0/22

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1227.233+/-0.235 χ^2/NDF: 679394.1/27

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

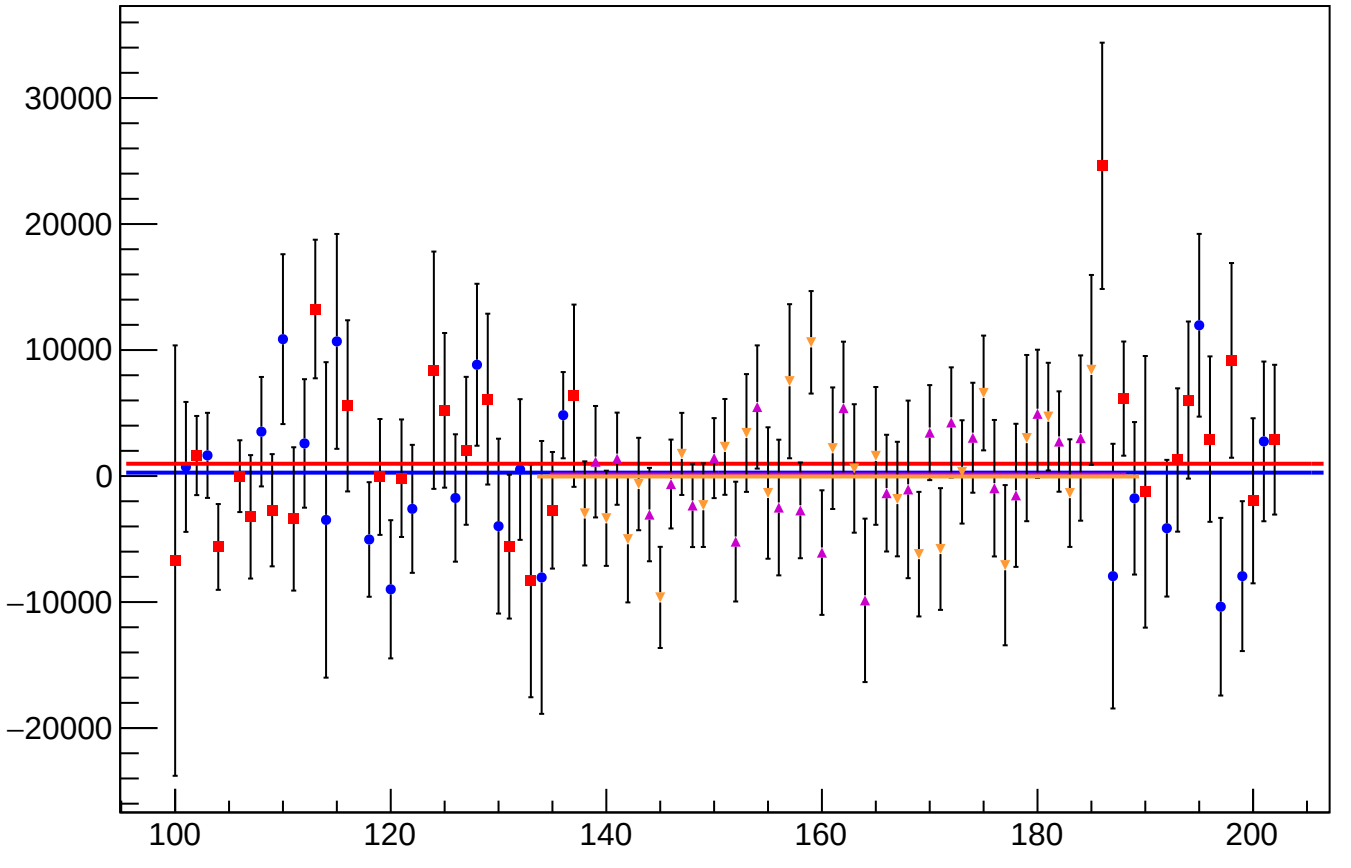
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1232.853+/-0.172 χ^2/NDF: 1409310.7/50

In: 1175.572+/-0.151 χ^2/NDF:912279.9/45

Out: 1177.443+/-0.145 χ^2/NDF:893377.8/52

All: 1176.546+/-0.105 χ^2/NDF: 1805737.4/98



Right In: 271.001+/-1153.029 χ^2/NDF: 22.5/22

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 976.980+/-1000.933 χ^2/NDF: 26.3/27

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

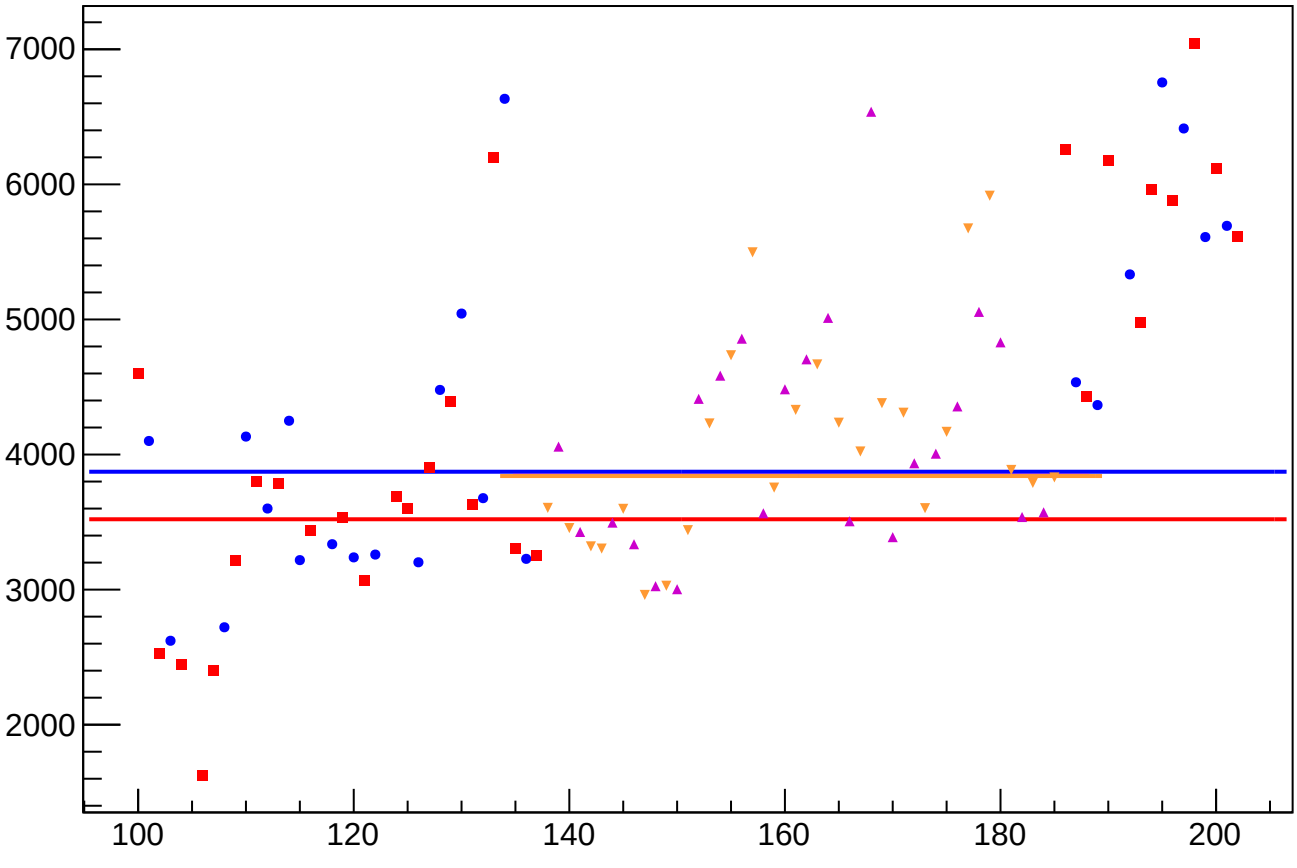
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 673.594+/-755.861 χ^2/NDF: 49.1/50

In: 179.048+/-717.084 χ^2/NDF:36.3/45

Out: 413.402+/-665.673 χ^2/NDF:54.6/52

All: 304.927+/-487.865 χ^2/NDF: 91.0/98



Right In: 3872.745+/-0.815 χ^2/NDF: 1916404.8/22

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3520.816+/-0.708 χ^2/NDF: 3691680.3/27

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

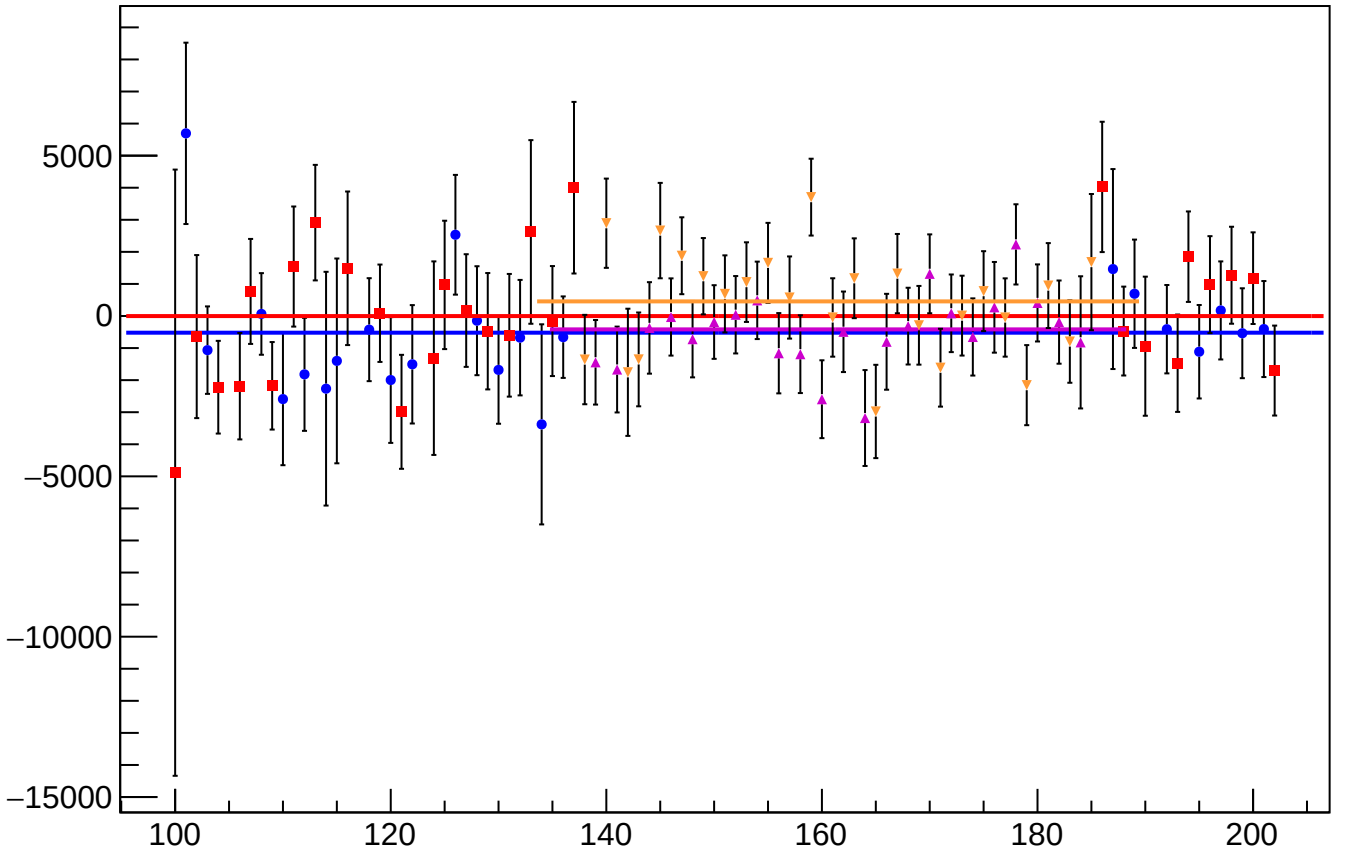
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3672.053+/-0.534 χ^2/NDF: 5714336.2/50

In: 3854.706+/-0.507 χ^2/NDF:3113260.9/45

Out: 3699.290+/-0.471 χ^2/NDF:4924362.1/52

All: 3771.227+/-0.345 χ^2/NDF: 8088084.5/98



Right In: -520.532+/-357.931 χ^2/NDF: 13.3/22

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -2.325+/-331.784 χ^2/NDF: 27.6/27

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

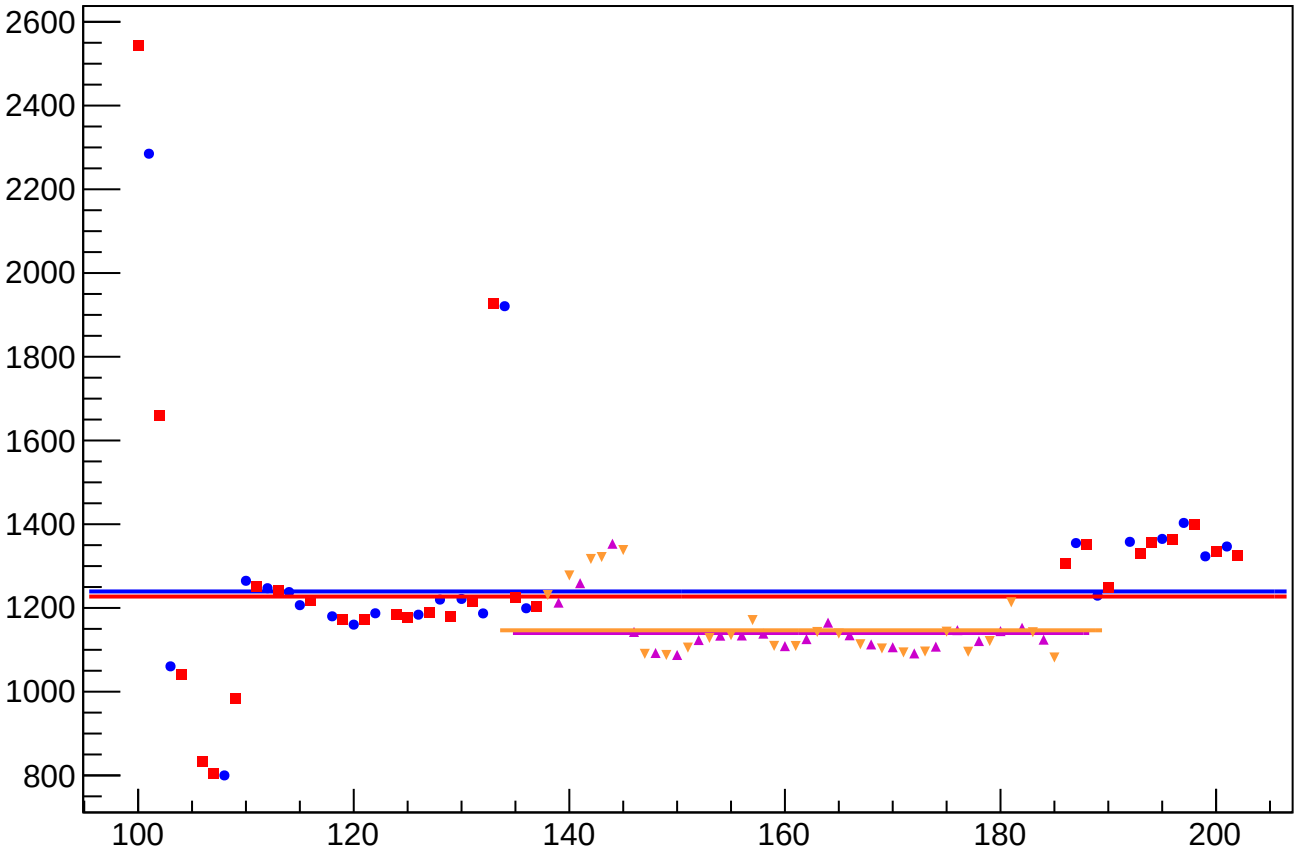
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -241.812+/-243.326 χ^2/NDF: 42.0/50

In: -454.069+/-213.800 χ^2/NDF:30.7/45

Out: 280.616+/-205.138 χ^2/NDF:64.9/52

All: -71.542+/-148.022 χ^2/NDF: 101.7/98



Right In: 1239.397+/-0.253 χ^2/NDF: 728674.5/22

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1227.233+/-0.235 χ^2/NDF: 679393.8/27

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

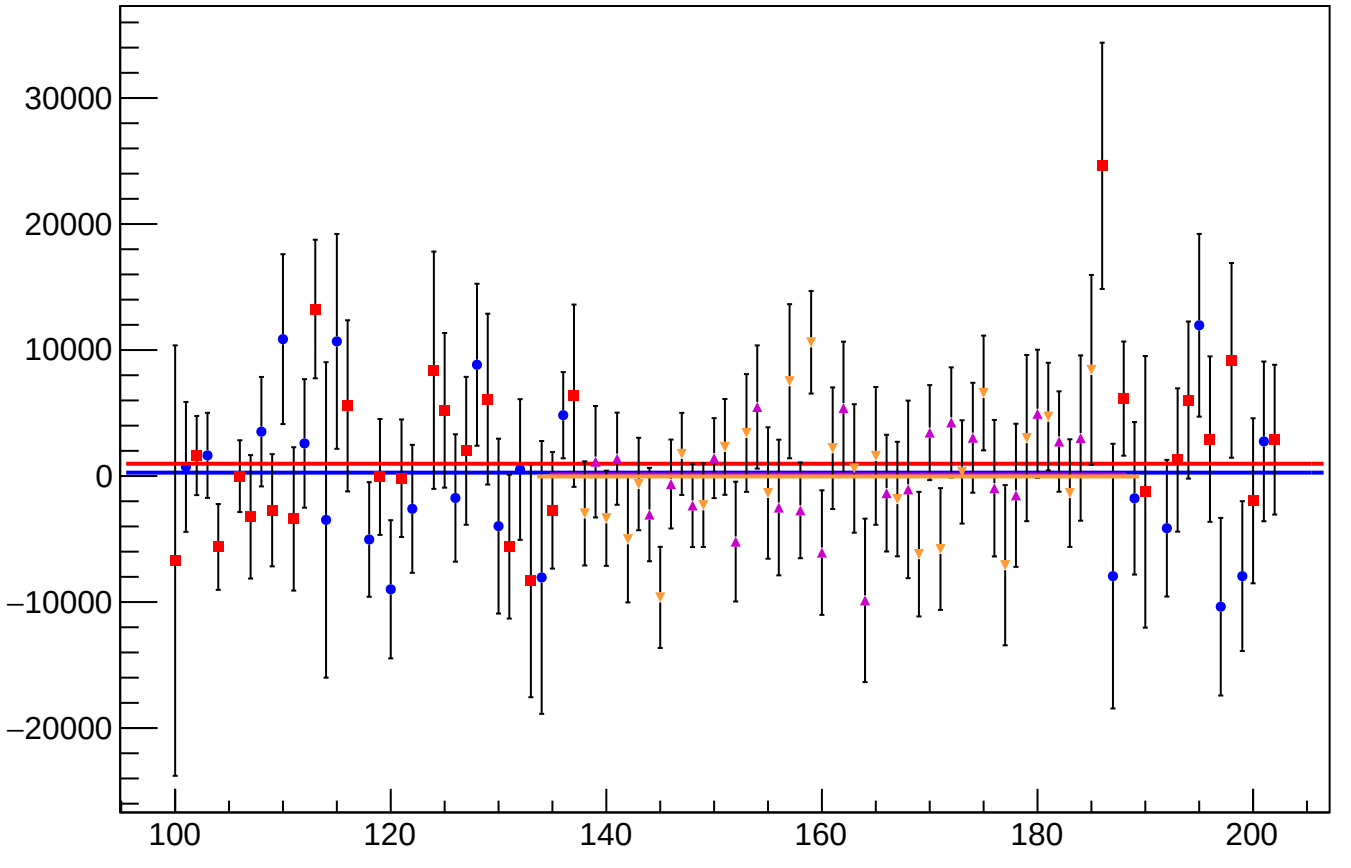
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1232.853+/-0.172 χ^2/NDF: 1409310.9/50

In: 1175.572+/-0.151 χ^2/NDF:912278.5/45

Out: 1177.443+/-0.145 χ^2/NDF:893376.7/52

All: 1176.547+/-0.105 χ^2/NDF: 1805735.0/98



Right In: 270.989+/-1153.028 χ^2/NDF: 22.5/22

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 976.972+/-1000.932 χ^2/NDF: 26.3/27

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

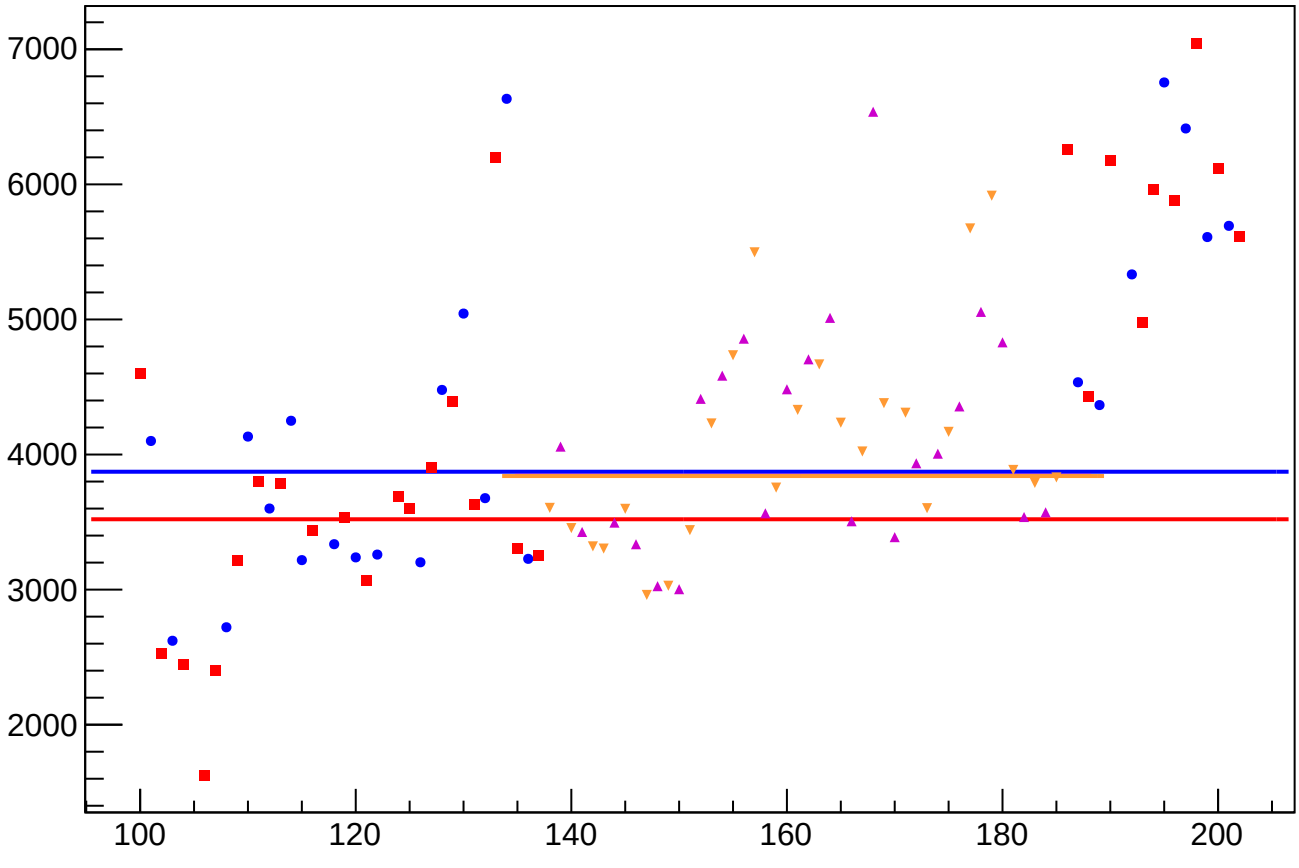
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 673.584+/-755.861 χ^2/NDF: 49.1/50

In: 179.045+/-717.084 χ^2/NDF:36.3/45

Out: 413.401+/-665.673 χ^2/NDF:54.6/52

All: 304.924+/-487.866 χ^2/NDF: 91.0/98



Right In: 3872.742+/-0.815 χ^2/NDF: 1916411.8/22

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3520.811+/-0.708 χ^2/NDF: 3691696.5/27

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

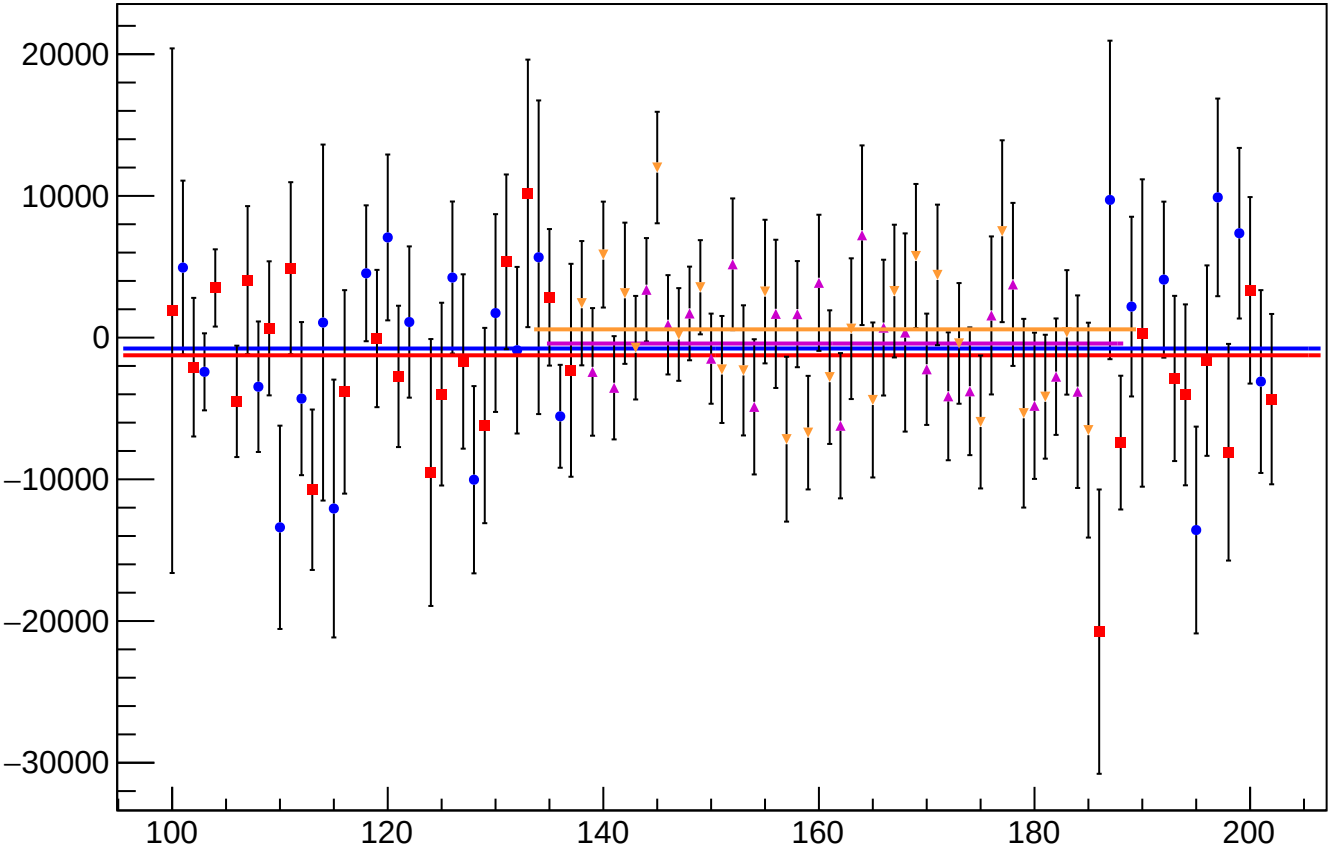
Right: 3672.049+/-0.534 χ^2/NDF: 5714360.8/50

In: 3854.708+/-0.507 χ^2/NDF:3113271.3/45

Out: 3699.290+/-0.471 χ^2/NDF:4924387.2/52

All: 3771.229+/-0.345 χ^2/NDF: 8088121.0/98

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -769.458+/-1164.931 χ^2/NDF: 24.1/22

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1248.291+/-1069.377 χ^2/NDF: 21.2/27

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

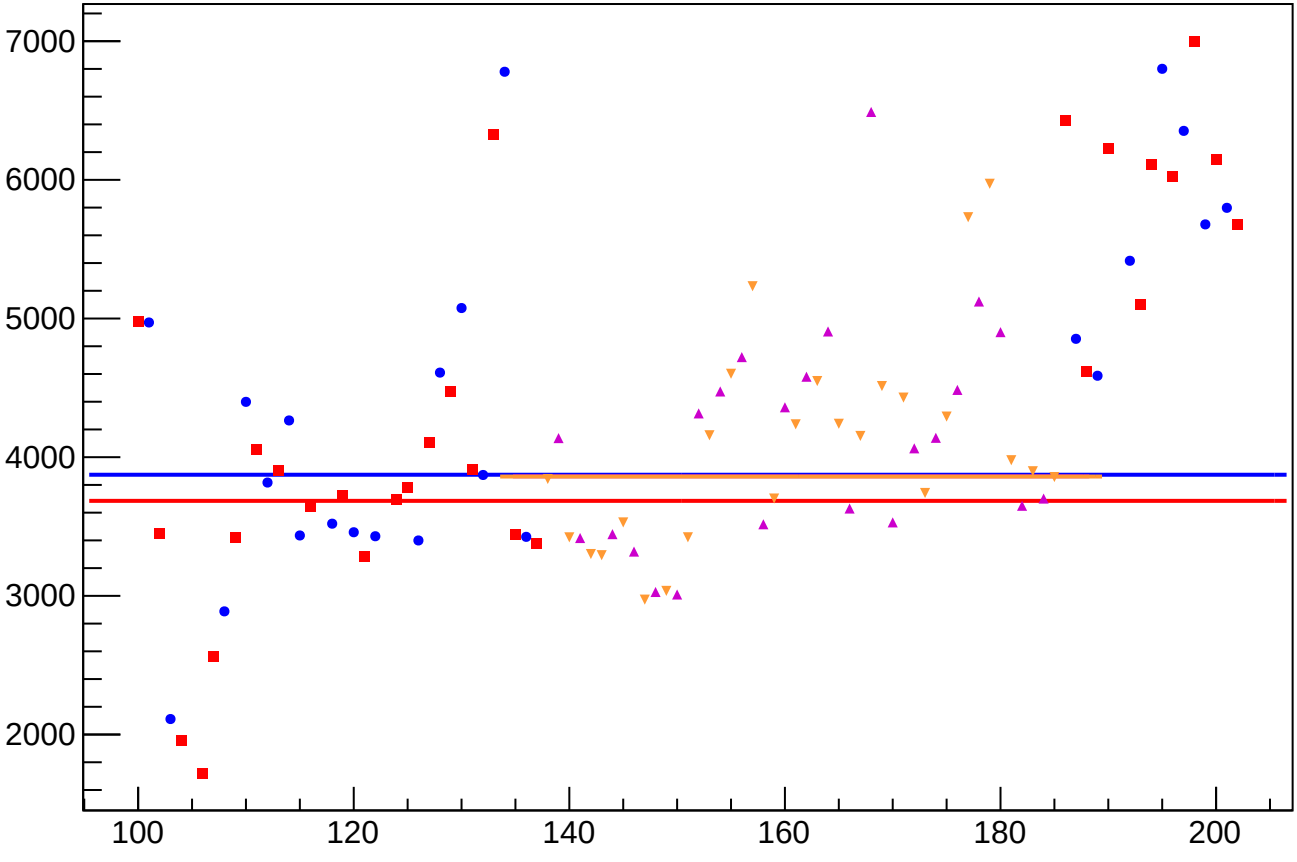
Right: -1029.315+/-787.782 χ^2/NDF: 45.4/50

In: -552.086+/-721.516 χ^2/NDF:36.6/45

Out: -171.091+/-686.295 χ^2/NDF:50.4/52

All: -352.063+/-497.269 χ^2/NDF: 87.2/98

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3873.443+/-0.824 χ^2/NDF: 2446600.8/22

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3685.086+/-0.746 χ^2/NDF: 3684466.6/27

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

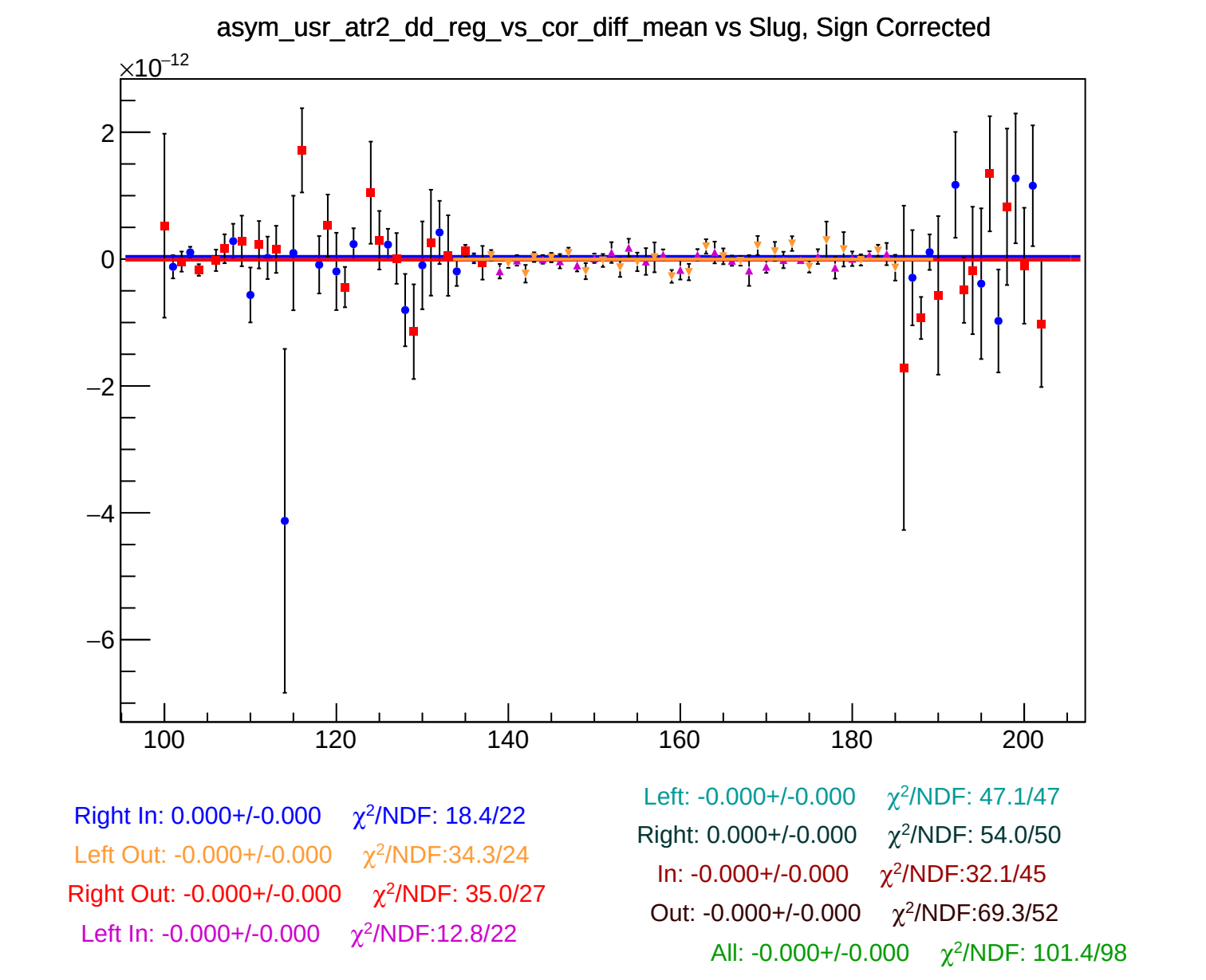
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

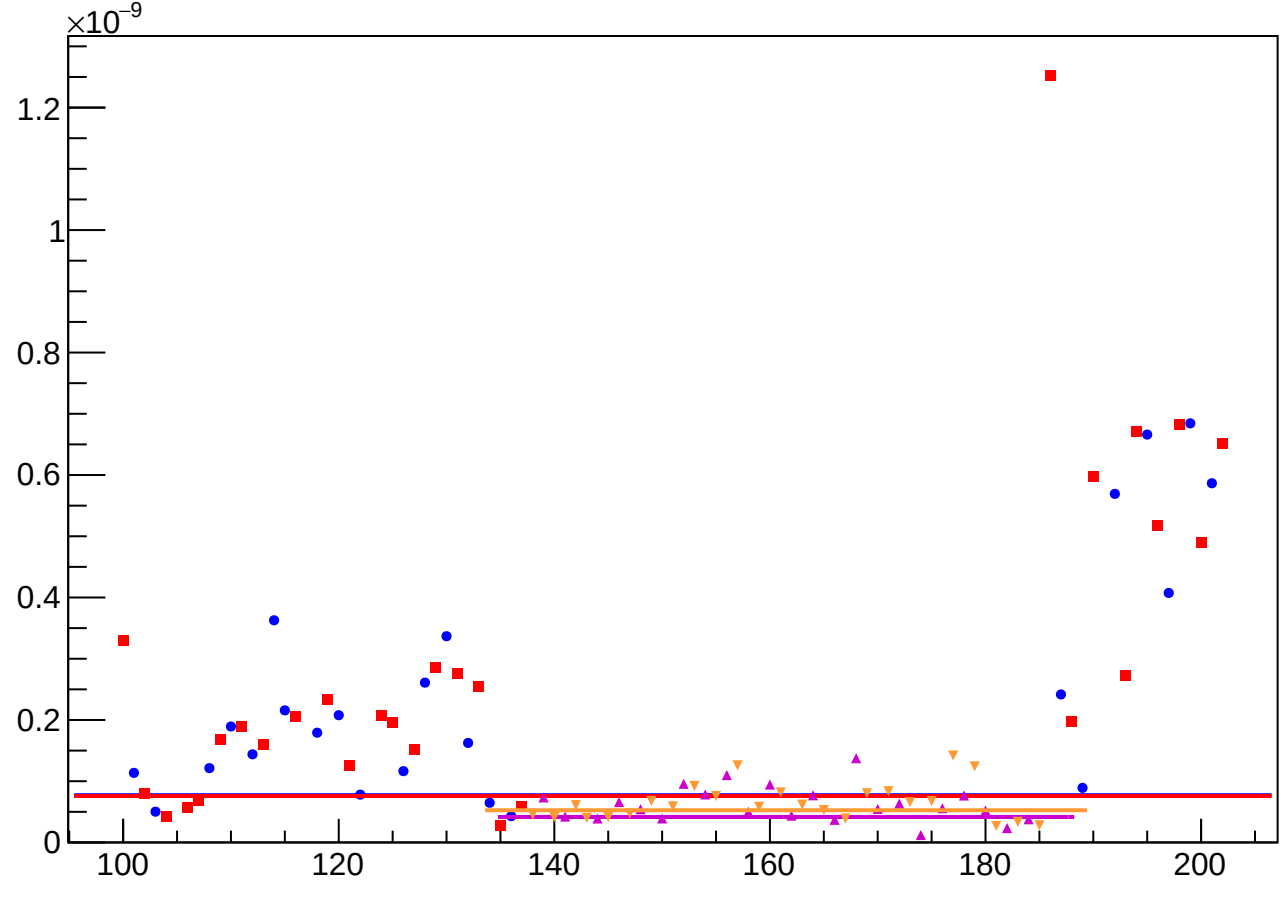
Right: 3770.016+/-0.553 χ^2/NDF: 6159778.3/50

In: 3866.599+/-0.510 χ^2/NDF:3588892.7/45

Out: 3787.171+/-0.483 χ^2/NDF:4813904.7/52

All: 3824.687+/-0.351 χ^2/NDF: 8415586.7/98


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
Right In: 0.000+/-0.000 χ²/NDF: 18.4/22
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.0/27
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: 54.0/50
In: -0.000+/-0.000 χ²/NDF:32.1/45
Out: -0.000+/-0.000 χ²/NDF:69.3/52
All: -0.000+/-0.000 χ²/NDF: 101.4/98



Right In: 0.000+/-0.000 χ^2/NDF: 4674374.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6440953.1/27

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

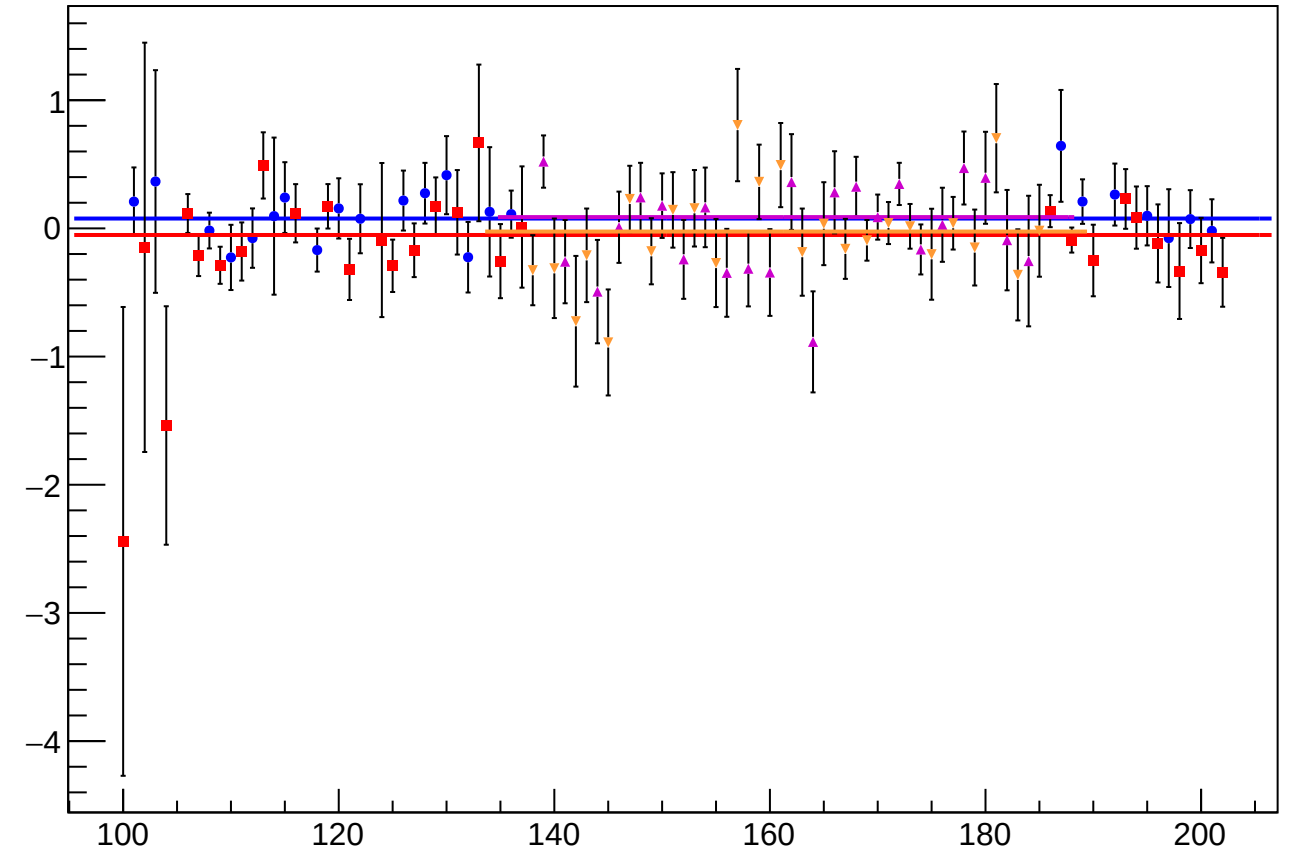
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11116067.7/50

In: 0.000+/-0.000 χ^2/NDF:8562694.9/45

Out: 0.000+/-0.000 χ^2/NDF:8437324.6/52

All: 0.000+/-0.000 χ^2/NDF: 17267775.6/98



Right In: 0.077+/-0.050 χ^2/NDF: 12.0/22

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.052+/-0.041 χ^2/NDF: 28.9/27

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

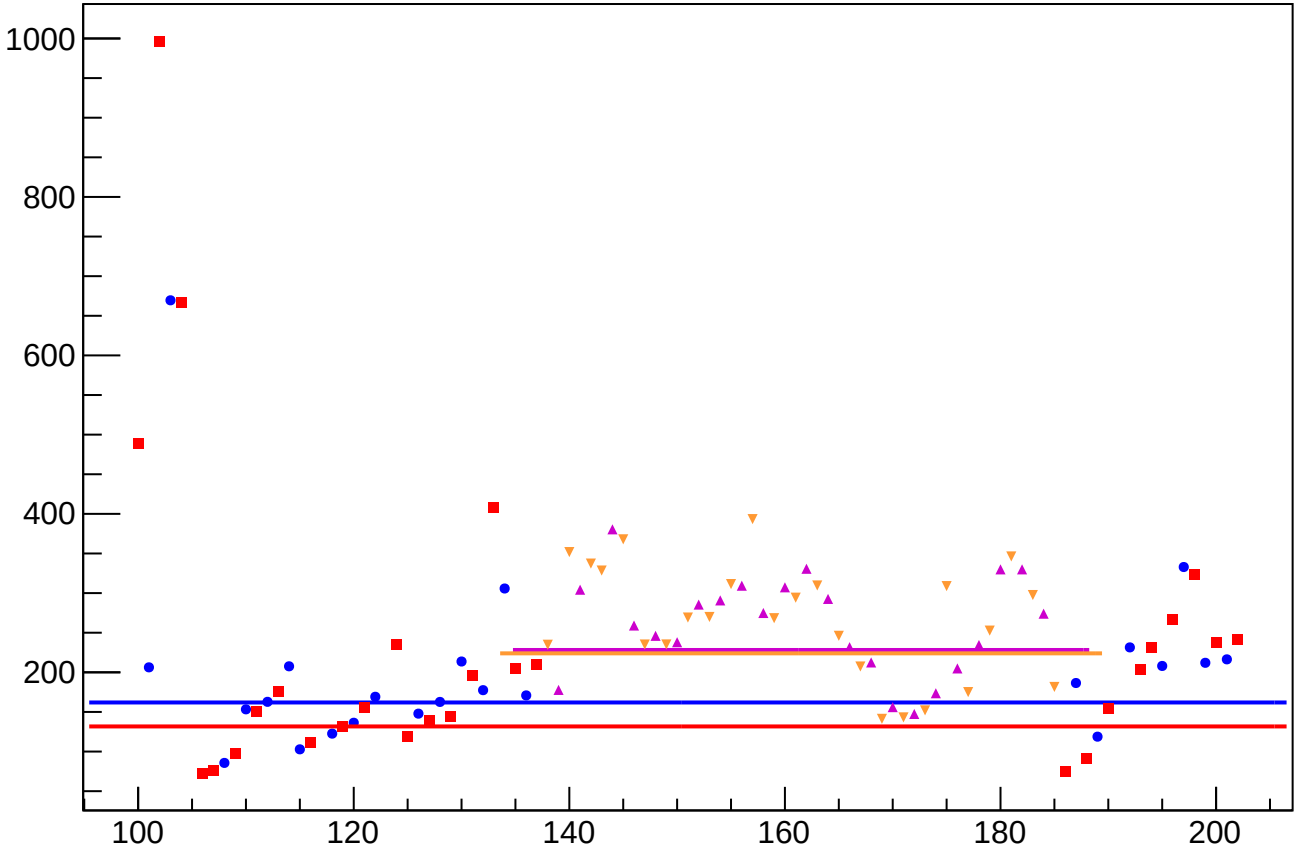
Right: -0.001+/-0.032 χ^2/NDF: 44.9/50

In: 0.082+/-0.038 χ^2/NDF:42.0/45

Out: -0.042+/-0.033 χ^2/NDF:53.2/52

All: 0.011+/-0.025 χ^2/NDF: 101.4/98

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 161.951+/-0.036 χ^2/NDF: 2787097.1/22

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.706+/-0.029 χ^2/NDF: 5756373.3/27

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

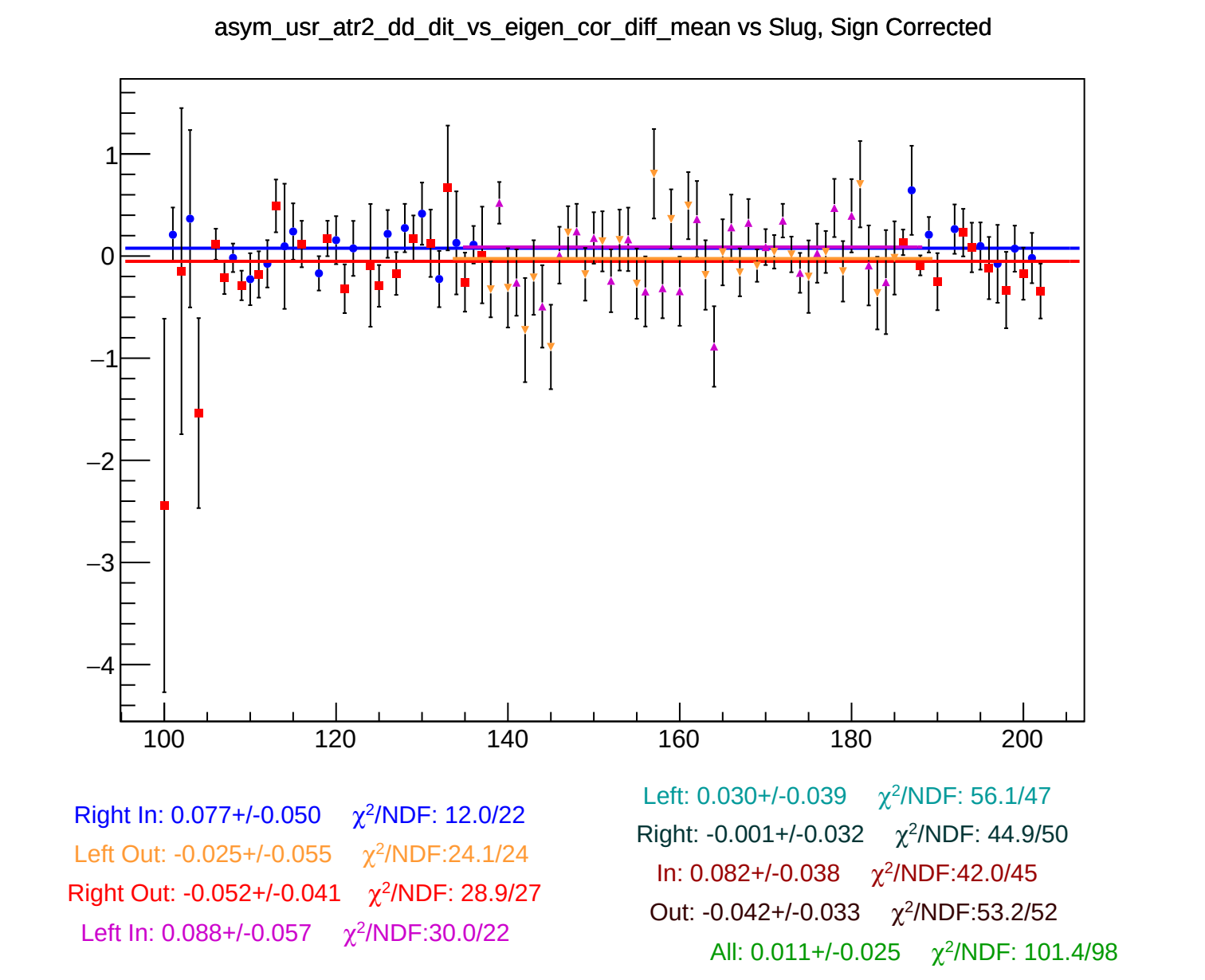
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 143.723+/-0.022 χ^2/NDF: 8978760.5/50

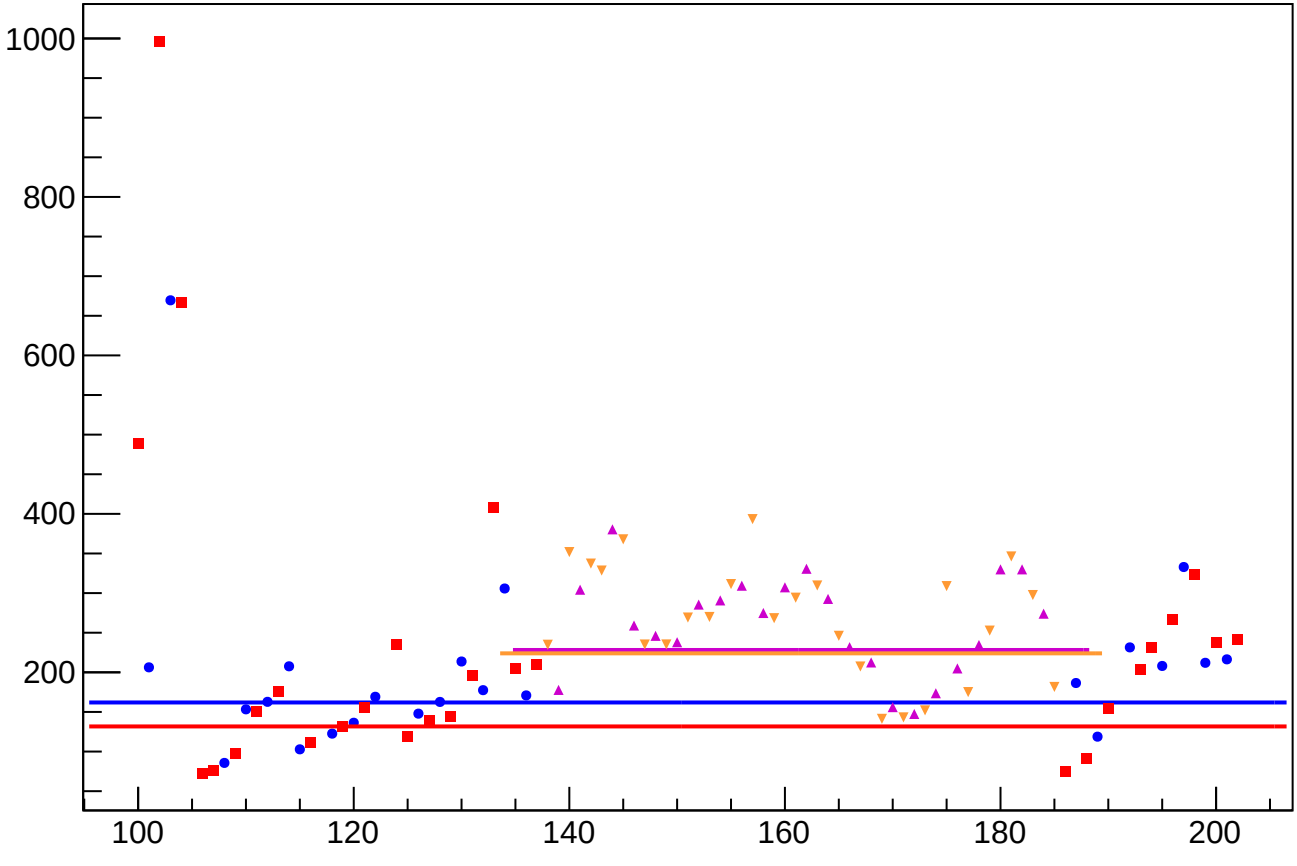
In: 191.171+/-0.027 χ^2/NDF:6804355.6/45

Out: 164.825+/-0.023 χ^2/NDF:12853329.9/52

All: 176.167+/-0.017 χ^2/NDF: 20216065.7/98


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.077+/-0.050 χ²/NDF: 12.0/22
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.052+/-0.041 χ²/NDF: 28.9/27
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.001+/-0.032 χ²/NDF: 44.9/50
In: 0.082+/-0.038 χ²/NDF:42.0/45
Out: -0.042+/-0.033 χ²/NDF:53.2/52
All: 0.011+/-0.025 χ²/NDF: 101.4/98

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 161.951+/-0.036 χ^2/NDF: 2787097.1/22

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.706+/-0.029 χ^2/NDF: 5756373.3/27

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

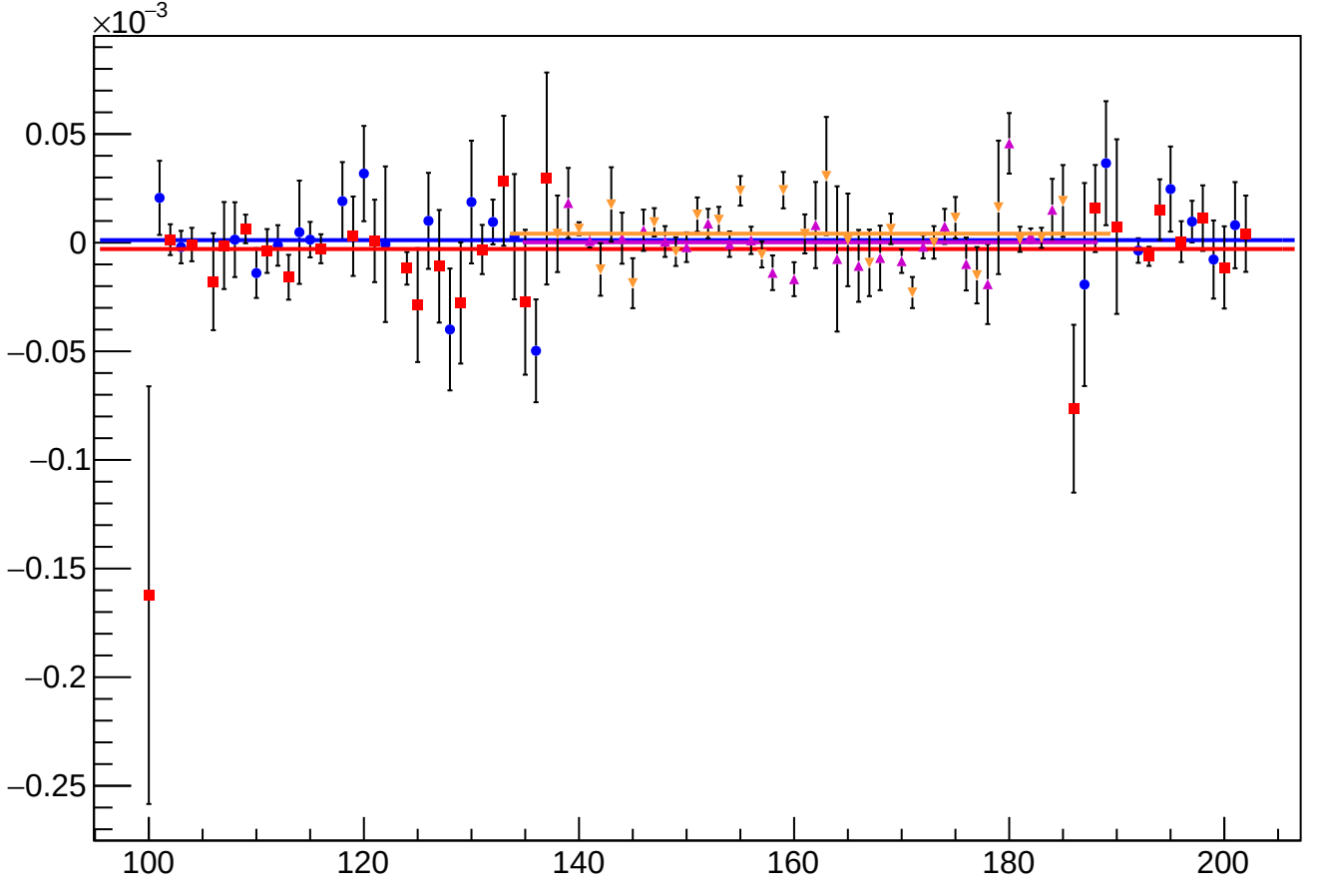
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 143.723+/-0.022 χ^2/NDF: 8978760.5/50

In: 191.171+/-0.027 χ^2/NDF:6804355.6/45

Out: 164.825+/-0.023 χ^2/NDF:12853329.9/52

All: 176.167+/-0.017 χ^2/NDF: 20216065.7/98



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/27

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

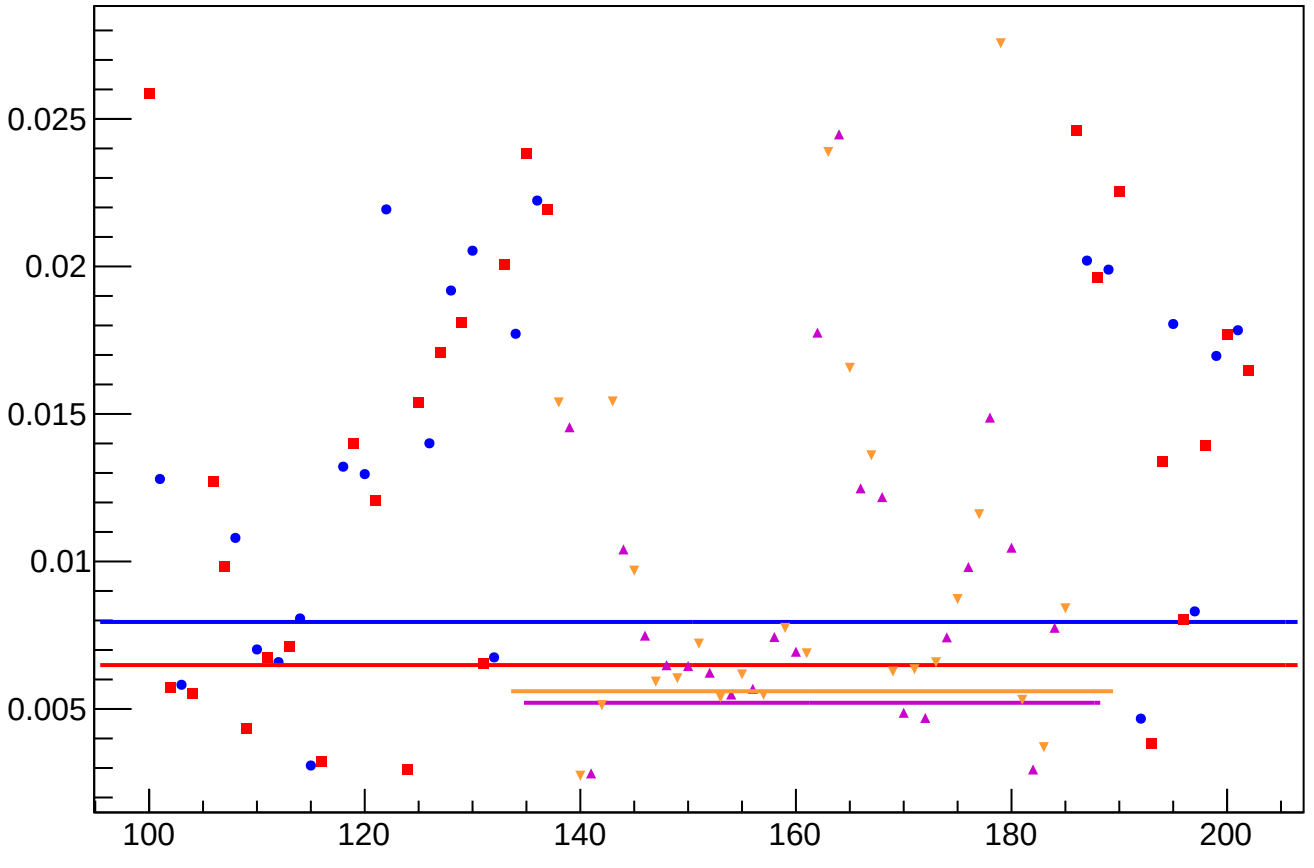
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.6/50

In: 0.000+/-0.000 χ^2/NDF:49.5/45

Out: 0.000+/-0.000 χ^2/NDF:77.4/52

All: 0.000+/-0.000 χ^2/NDF: 127.5/98



Right In: 0.008+/-0.000 χ^2/NDF: 6269692.0/22

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8794581.1/27

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

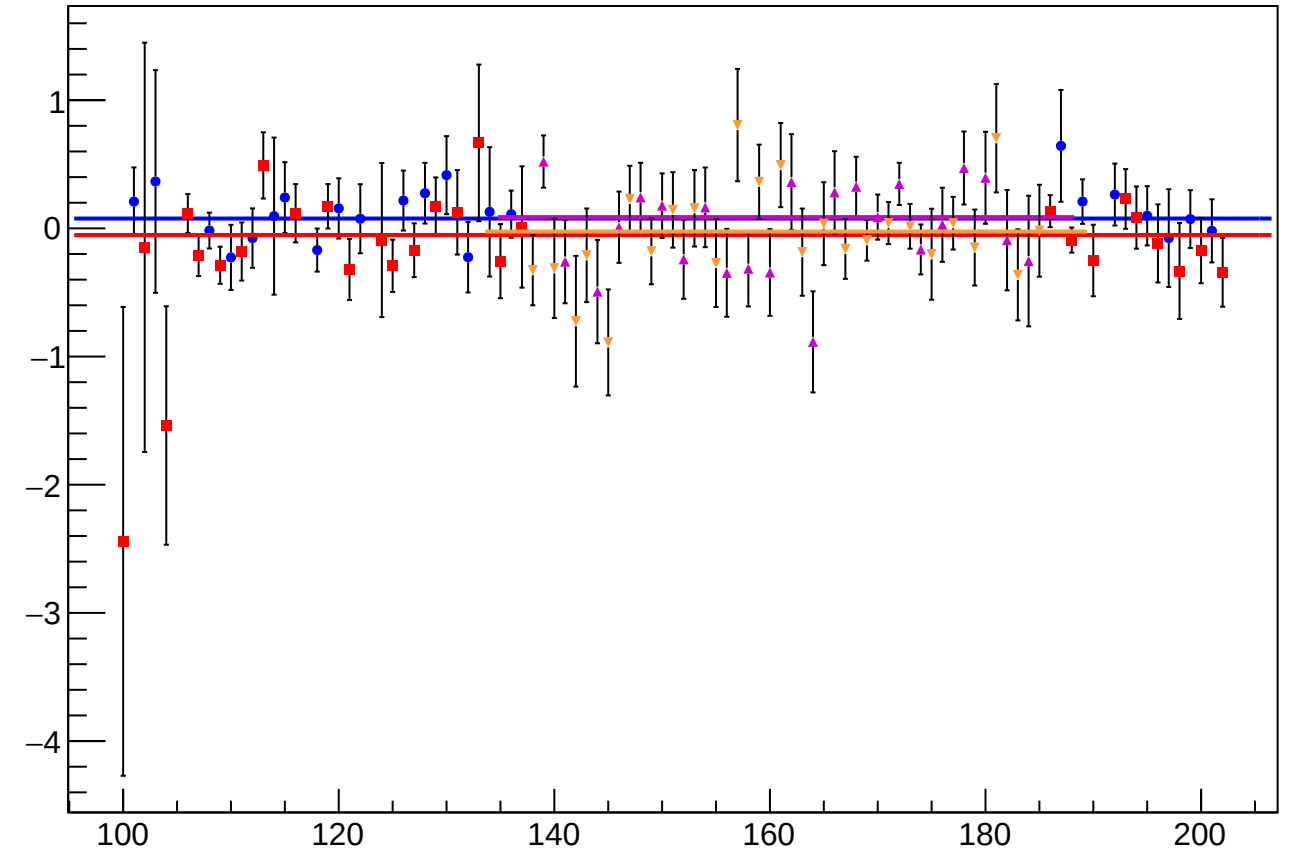
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 15426391.0/50

In: 0.006+/-0.000 χ^2/NDF:15320430.4/45

Out: 0.006+/-0.000 χ^2/NDF:16803482.3/52

All: 0.006+/-0.000 χ^2/NDF: 32128738.5/98



Right In: 0.077+/-0.050 χ^2/NDF: 12.0/22

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.052+/-0.041 χ^2/NDF: 28.9/27

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

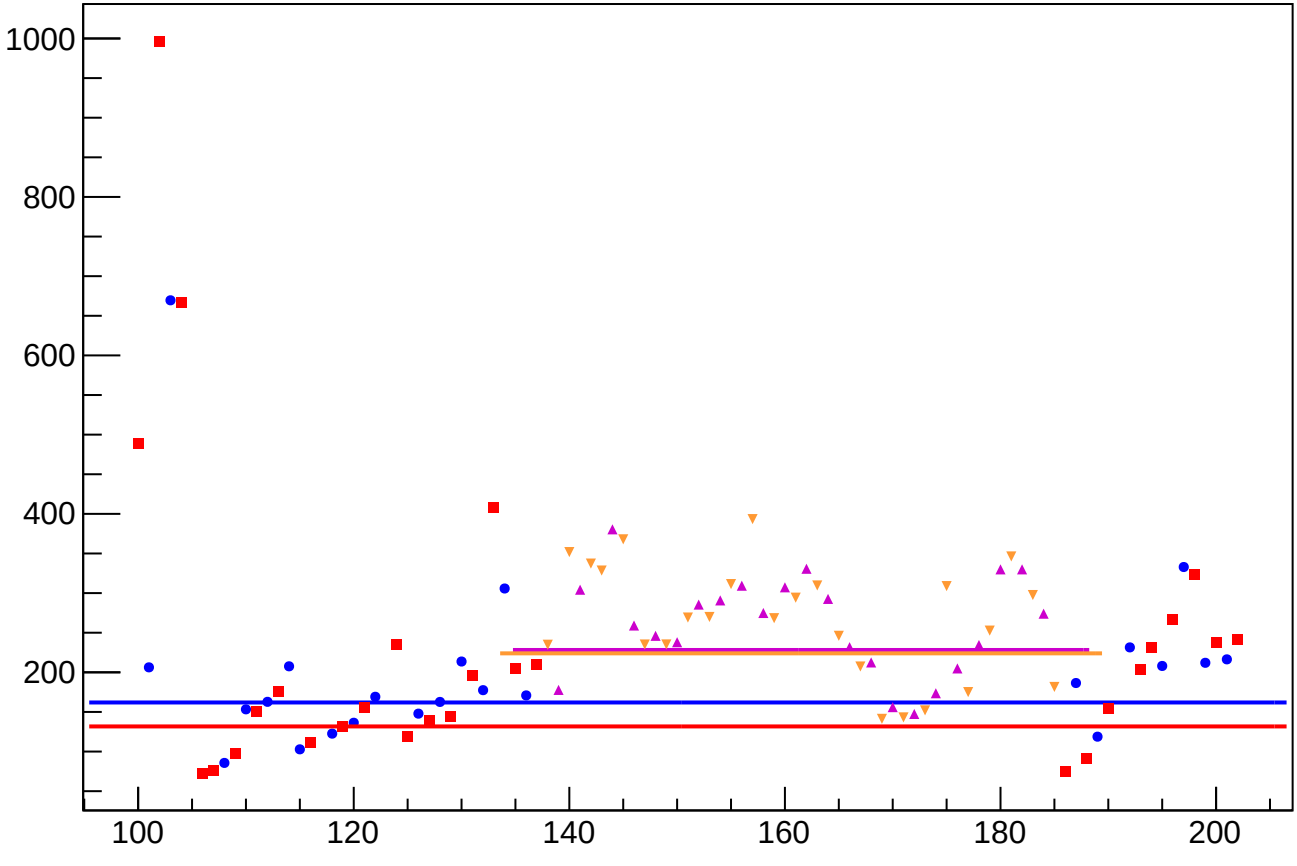
Right: -0.001+/-0.032 χ^2/NDF: 44.9/50

In: 0.082+/-0.038 χ^2/NDF:42.0/45

Out: -0.042+/-0.033 χ^2/NDF:53.2/52

All: 0.011+/-0.025 χ^2/NDF: 101.4/98

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 161.948+/-0.036 χ^2/NDF: 2787274.7/22

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 131.711+/-0.029 χ^2/NDF: 5755899.5/27

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

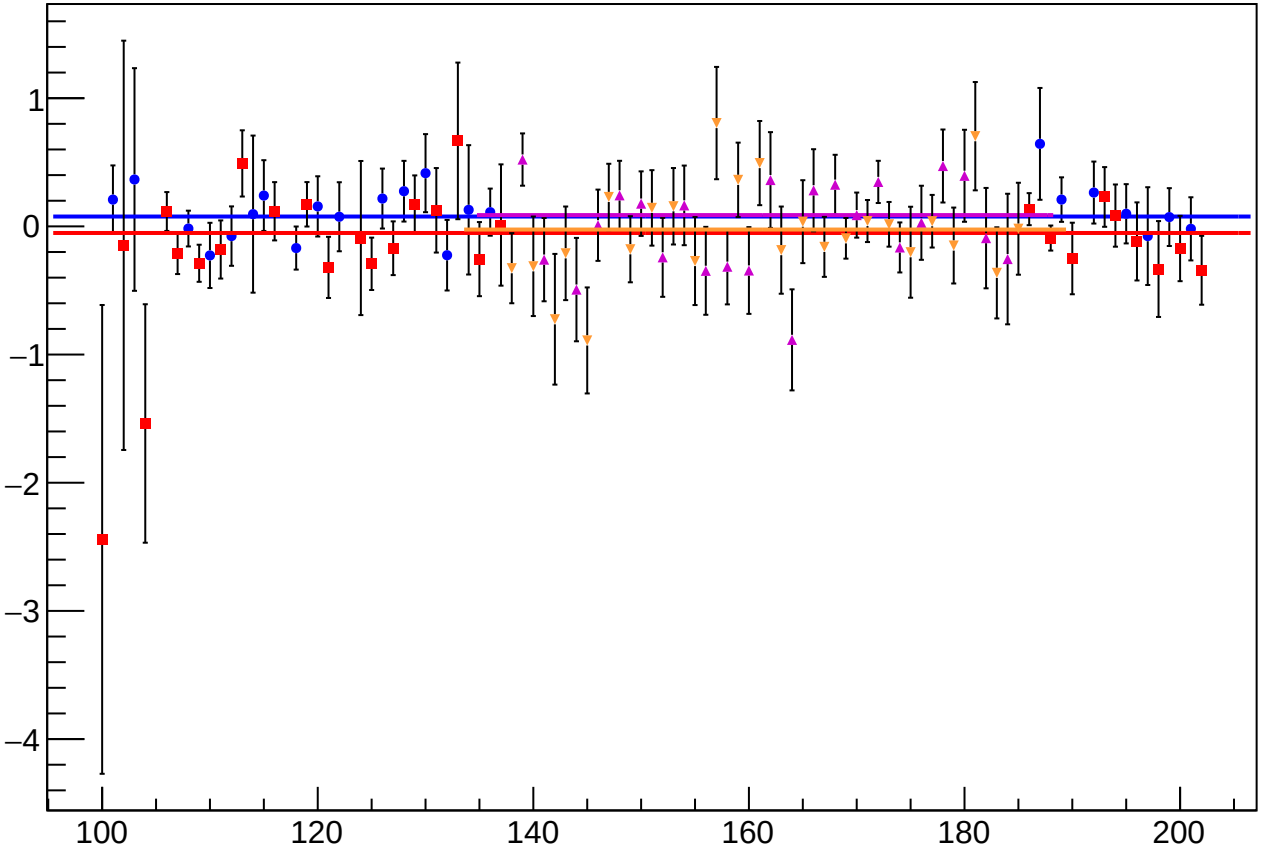
Right: 143.725+/-0.022 χ^2/NDF: 8978222.3/50

In: 191.169+/-0.027 χ^2/NDF:6804815.6/45

Out: 164.829+/-0.023 χ^2/NDF:12852567.5/52

All: 176.169+/-0.017 χ^2/NDF: 20215487.4/98

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.077+/-0.050 χ^2/NDF: 12.0/22

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.052+/-0.041 χ^2/NDF: 28.9/27

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

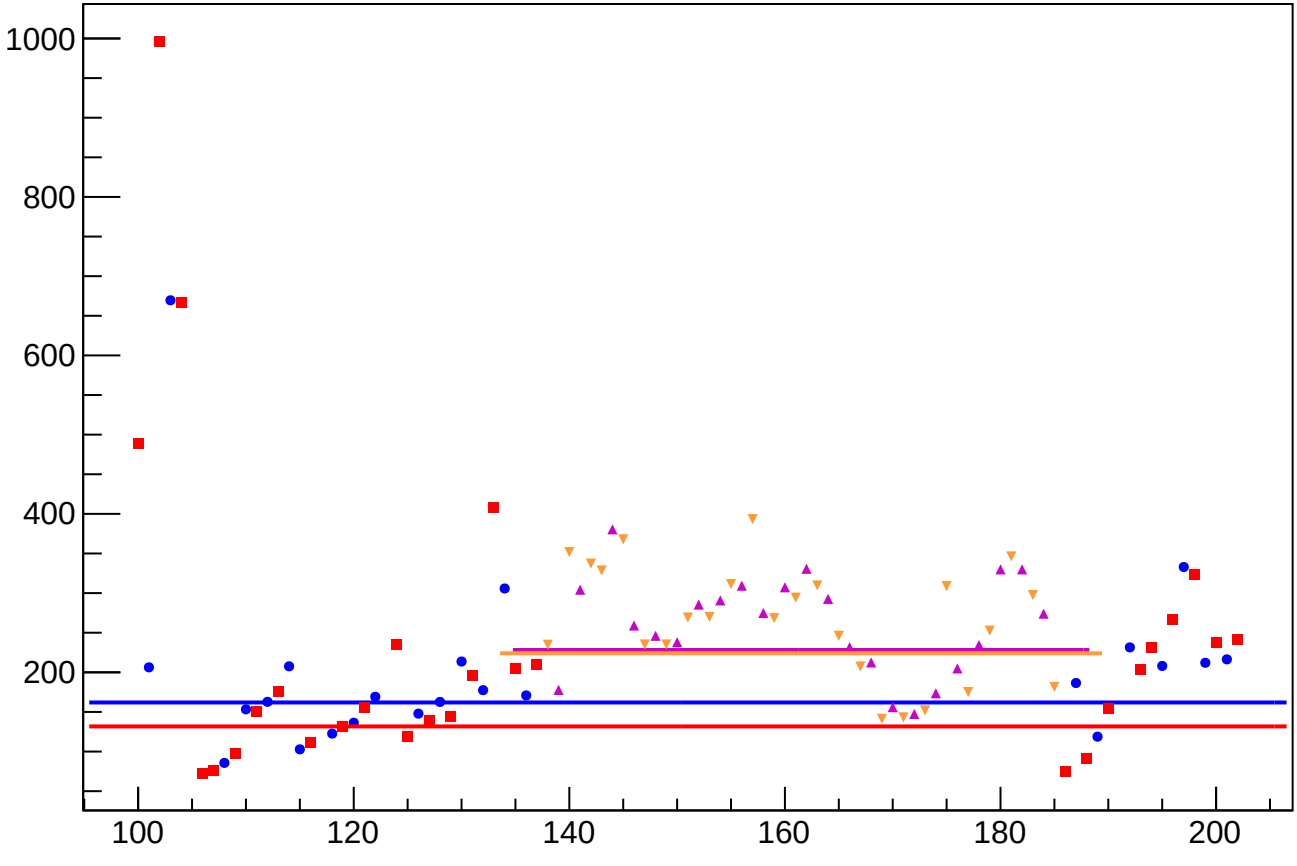
Right: -0.001+/-0.032 χ^2/NDF: 44.9/50

In: 0.082+/-0.038 χ^2/NDF:42.0/45

Out: -0.042+/-0.033 χ^2/NDF:53.2/52

All: 0.011+/-0.025 χ^2/NDF: 101.4/98

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 161.948+/-0.036 χ^2/NDF: 2787274.7/22

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 131.711+/-0.029 χ^2/NDF: 5755899.5/27

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

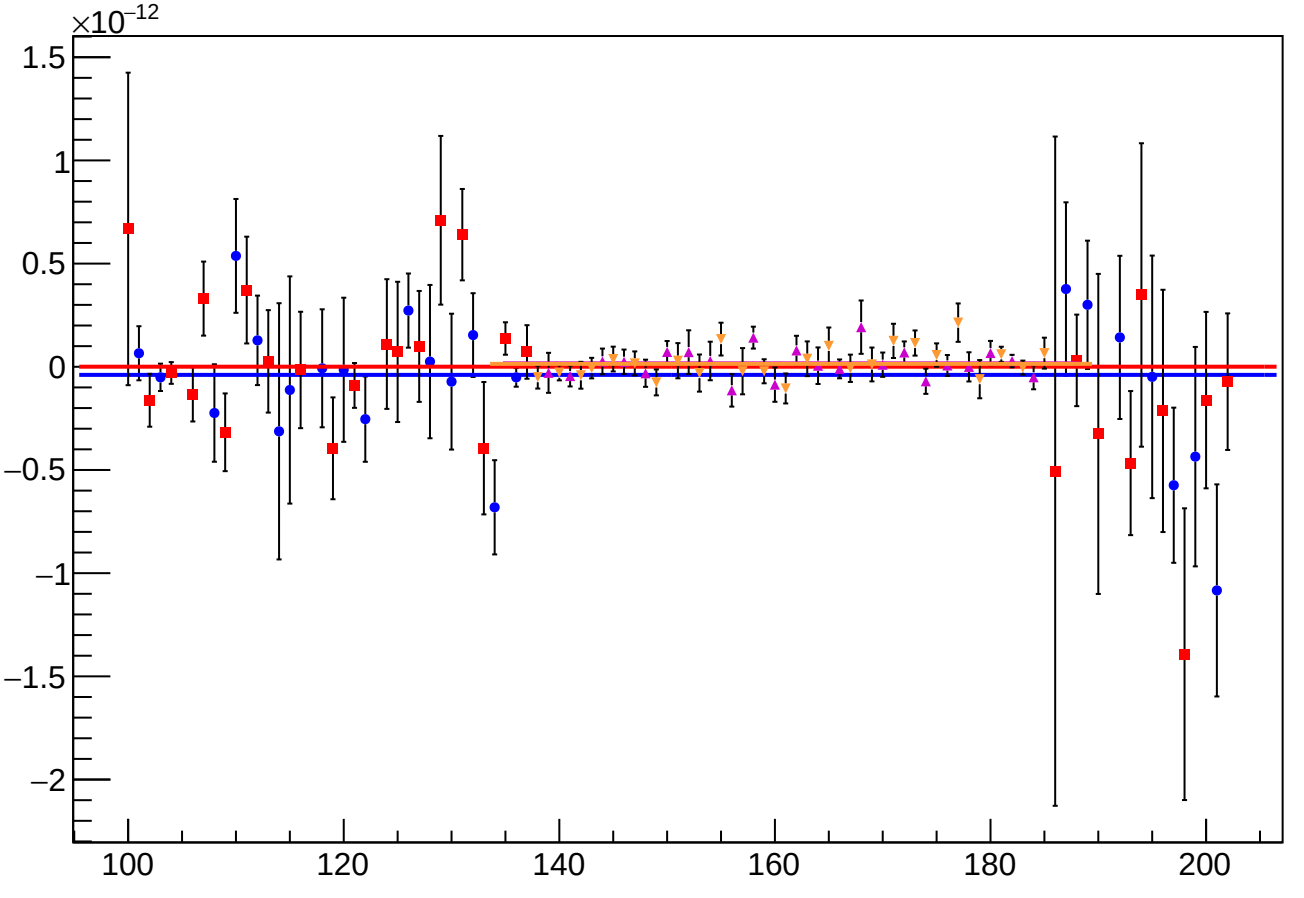
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 143.725+/-0.022 χ^2/NDF: 8978222.3/50

In: 191.169+/-0.027 χ^2/NDF:6804815.6/45

Out: 164.829+/-0.023 χ^2/NDF:12852567.5/52

All: 176.169+/-0.017 χ^2/NDF: 20215487.4/98



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.4/27

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

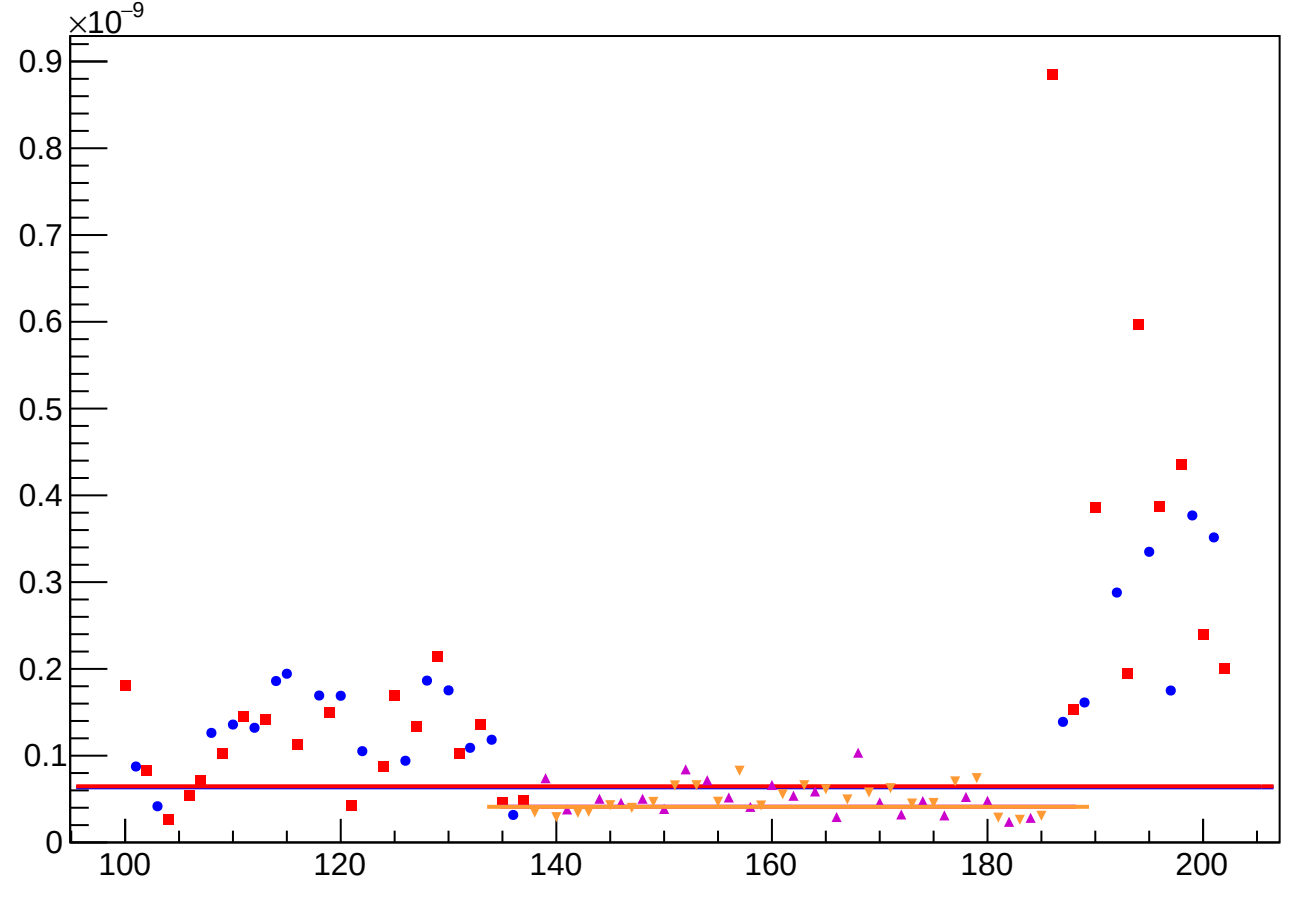
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 67.7/50

In: 0.000+/-0.000 χ^2/NDF:53.0/45

Out: 0.000+/-0.000 χ^2/NDF:63.9/52

All: 0.000+/-0.000 χ^2/NDF: 116.9/98



Right In: 0.000+/-0.000 χ^2/NDF: 6037403.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7208915.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

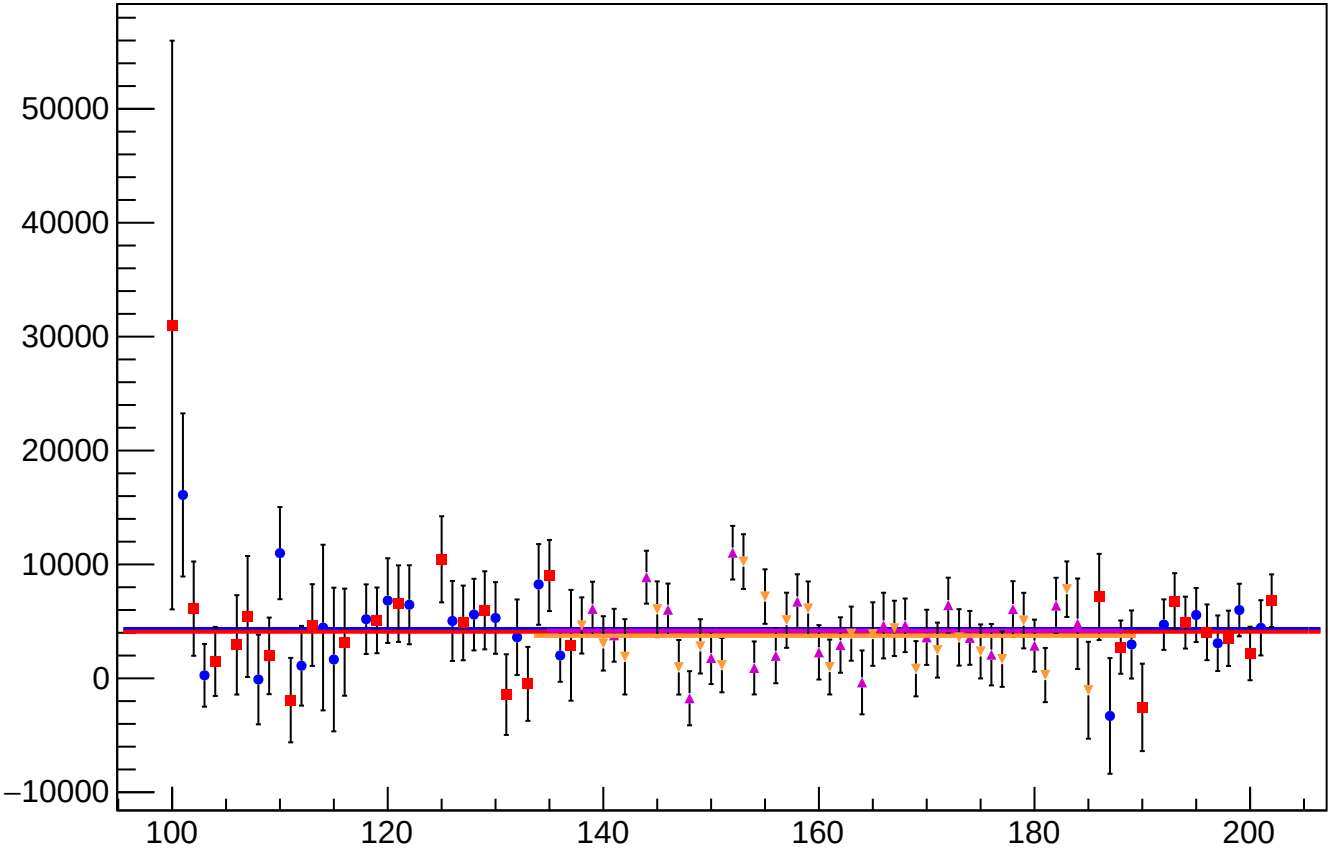
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13247756.8/50

In: 0.000+/-0.000 χ^2/NDF:9758250.0/45

Out: 0.000+/-0.000 χ^2/NDF:10853846.4/52

All: 0.000+/-0.000 χ^2/NDF: 20612118.5/98



Right In: 4331.076+/-650.430 χ^2/NDF: 16.9/22

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4092.191+/-608.810 χ^2/NDF: 23.5/26

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

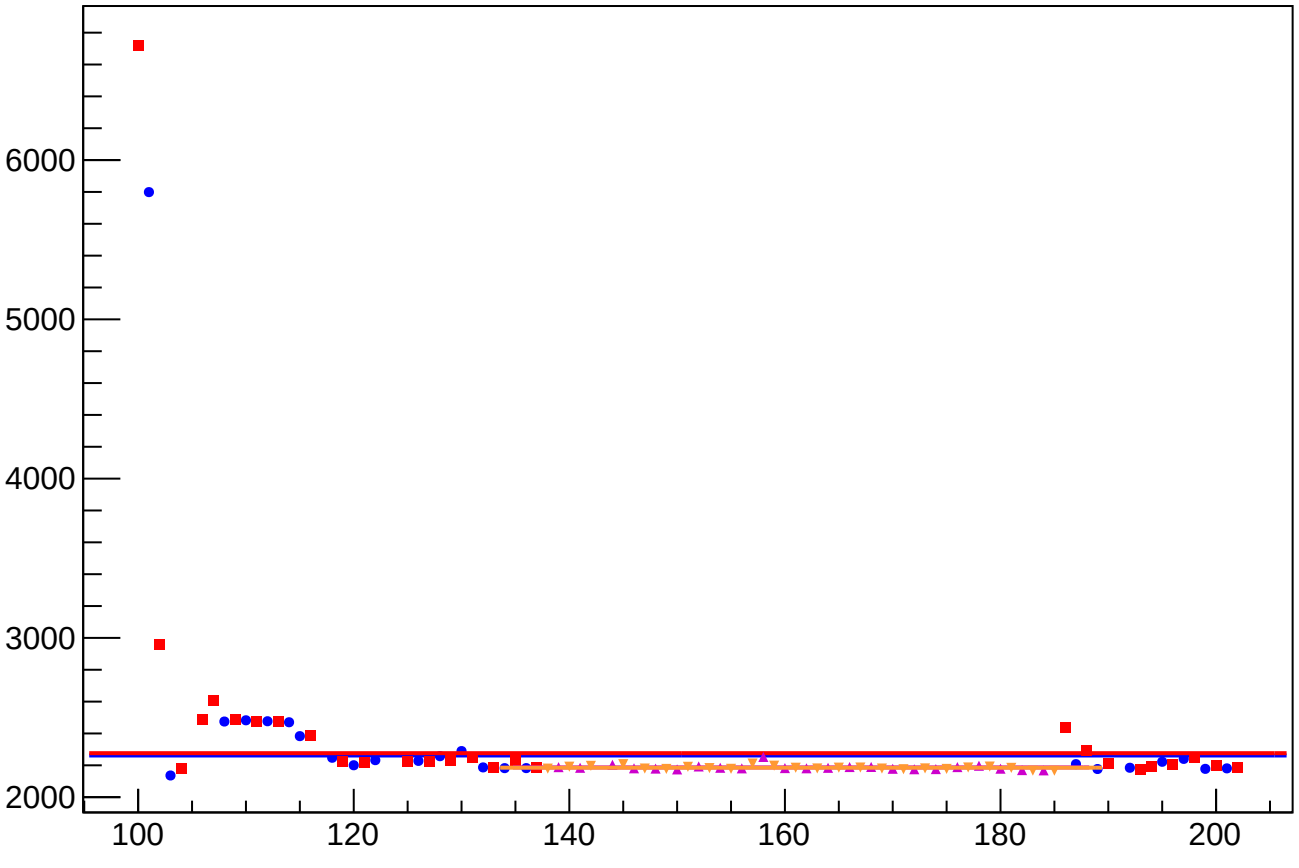
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4203.747+/-444.479 χ^2/NDF: 40.5/49

In: 4247.464+/-401.619 χ^2/NDF:49.0/45

Out: 3874.529+/-389.666 χ^2/NDF:49.2/50

All: 4055.364+/-279.666 χ^2/NDF: 98.7/96



Right In: 2261.743+/-0.460 χ^2/NDF: 529192.7/22

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2276.248+/-0.430 χ^2/NDF: 176435.6/26

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

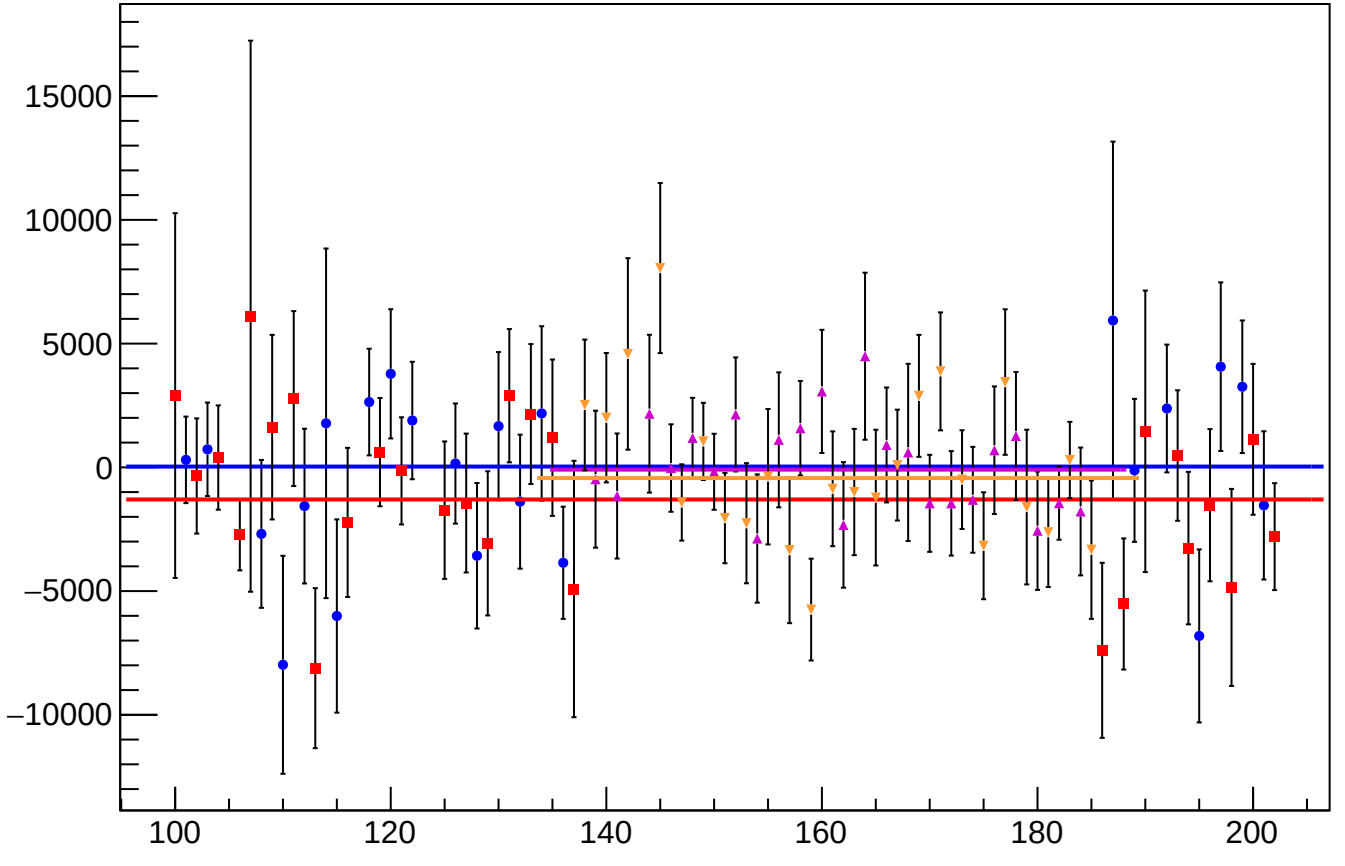
Right: 2269.474+/-0.314 χ^2/NDF: 706158.5/49

In: 2215.339+/-0.284 χ^2/NDF:547708.8/45

Out: 2222.459+/-0.276 χ^2/NDF:203696.3/50

All: 2219.007+/-0.198 χ^2/NDF: 751728.8/96

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 31.652+/-575.912 χ^2/NDF: 25.0/22

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1298.671+/-536.516 χ^2/NDF: 24.1/26

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

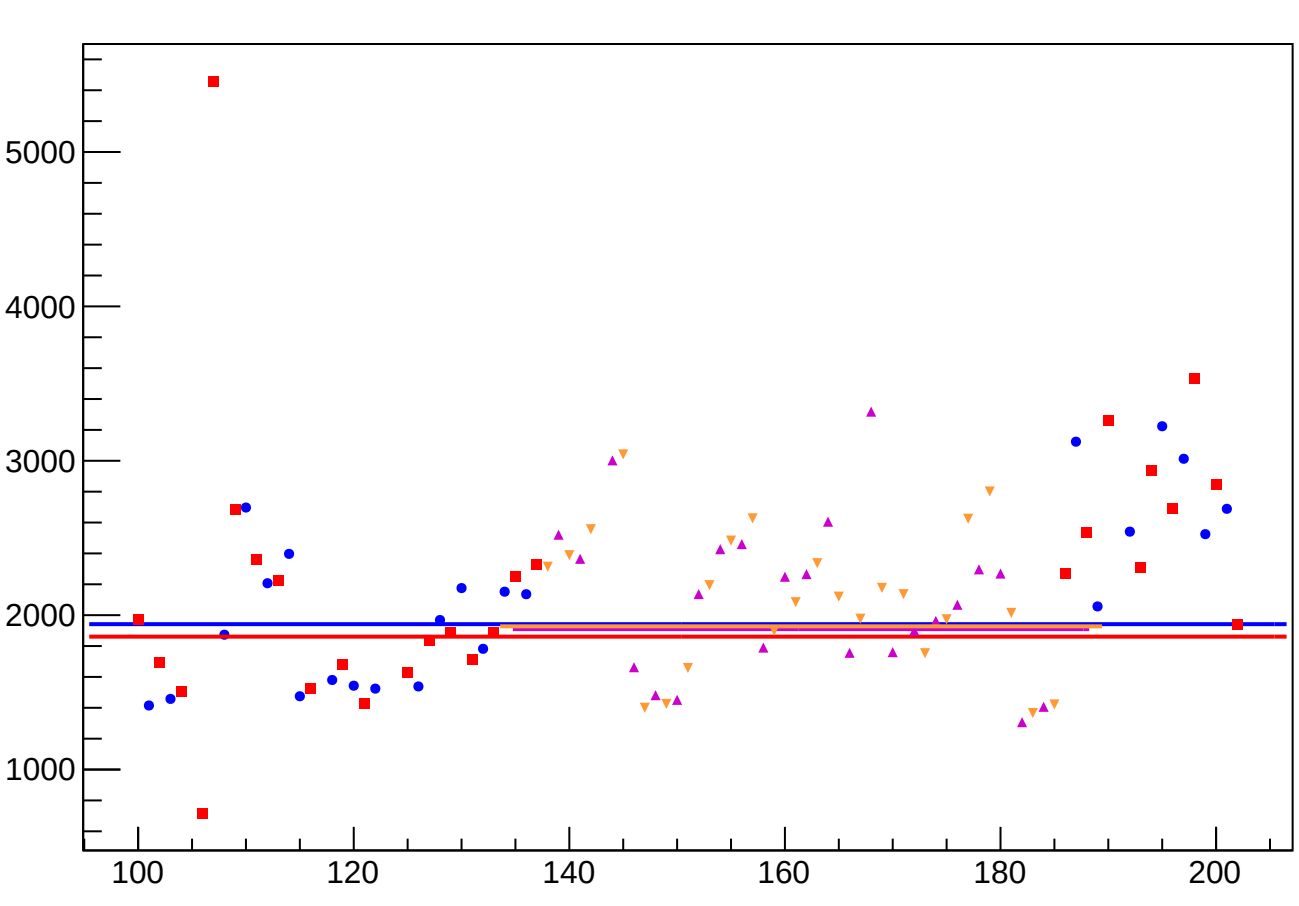
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

Right: -680.563+/-392.563 χ^2/NDF: 51.9/49

In: -44.149+/-359.740 χ^2/NDF:37.8/45

Out: -801.532+/-350.256 χ^2/NDF:56.9/50

All: -432.957+/-250.954 χ^2/NDF: 96.9/96



Right In: 1941.751+/-0.407 χ^2/NDF: 1535381.5/22

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1860.931+/-0.379 χ^2/NDF: 3200597.1/26

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

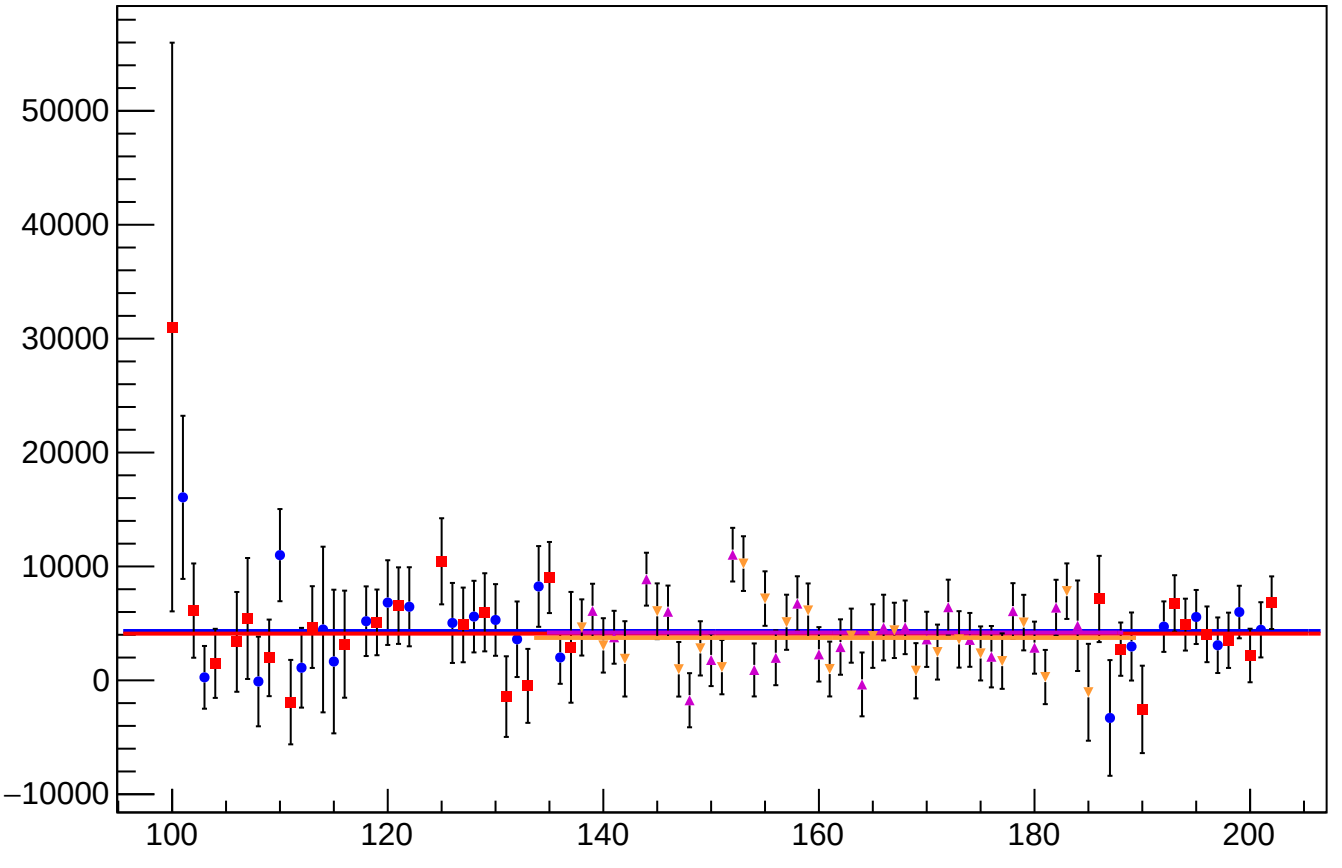
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1898.482+/-0.278 χ^2/NDF: 4757065.3/49

In: 1922.152+/-0.254 χ^2/NDF:3481444.4/45

Out: 1899.221+/-0.248 χ^2/NDF:5016733.0/50

All: 1910.380+/-0.177 χ^2/NDF: 8502349.2/96



Right In: 4330.818+/-650.430 χ^2/NDF: 16.9/22

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4101.068+/-608.861 χ^2/NDF: 23.5/26

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

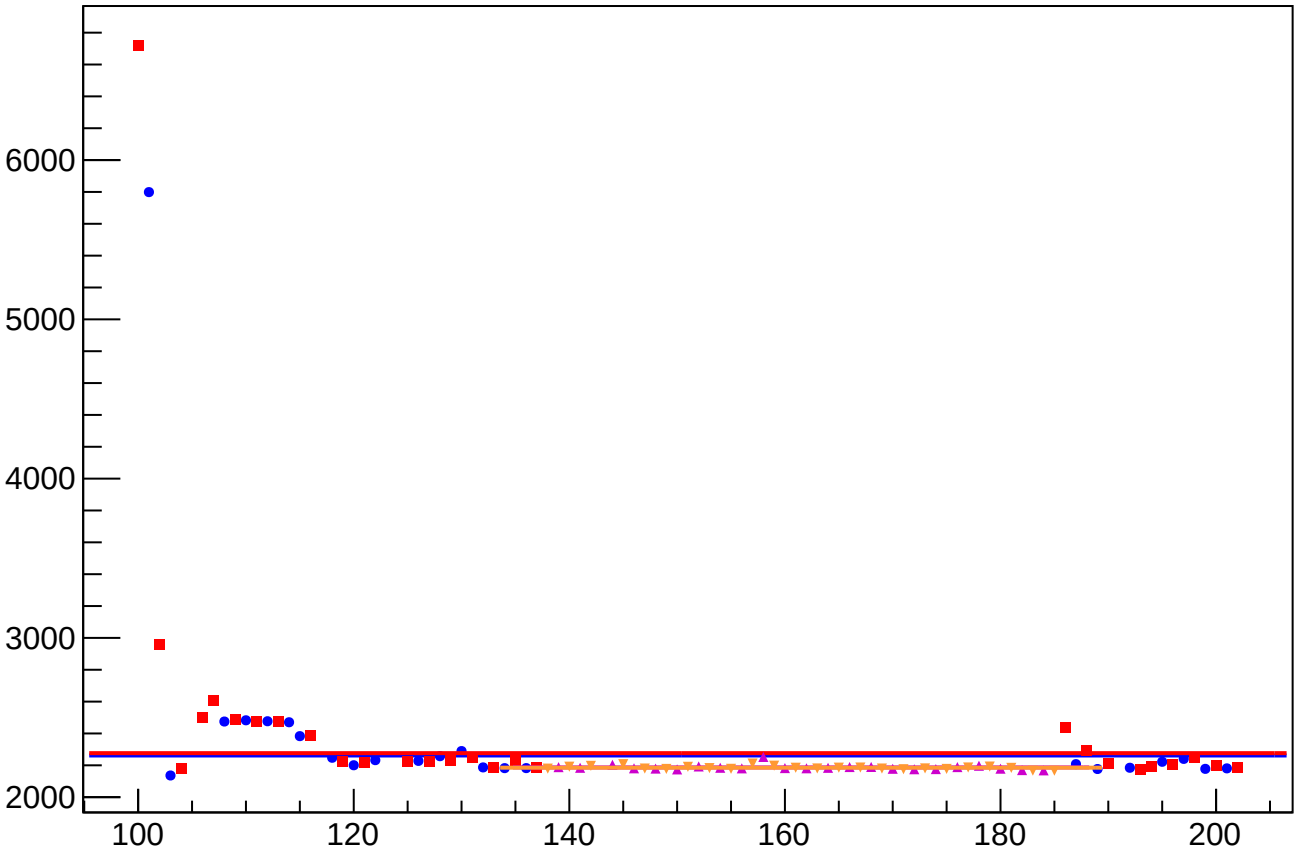
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4208.367+/-444.499 χ^2/NDF: 40.5/49

In: 4247.439+/-401.619 χ^2/NDF:49.0/45

Out: 3878.119+/-389.679 χ^2/NDF:49.2/50

All: 4057.207+/-279.671 χ^2/NDF: 98.6/96



Right In: 2261.743+/-0.460 χ^2/NDF: 529193.1/22

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2276.419+/-0.431 χ^2/NDF: 176884.2/26

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

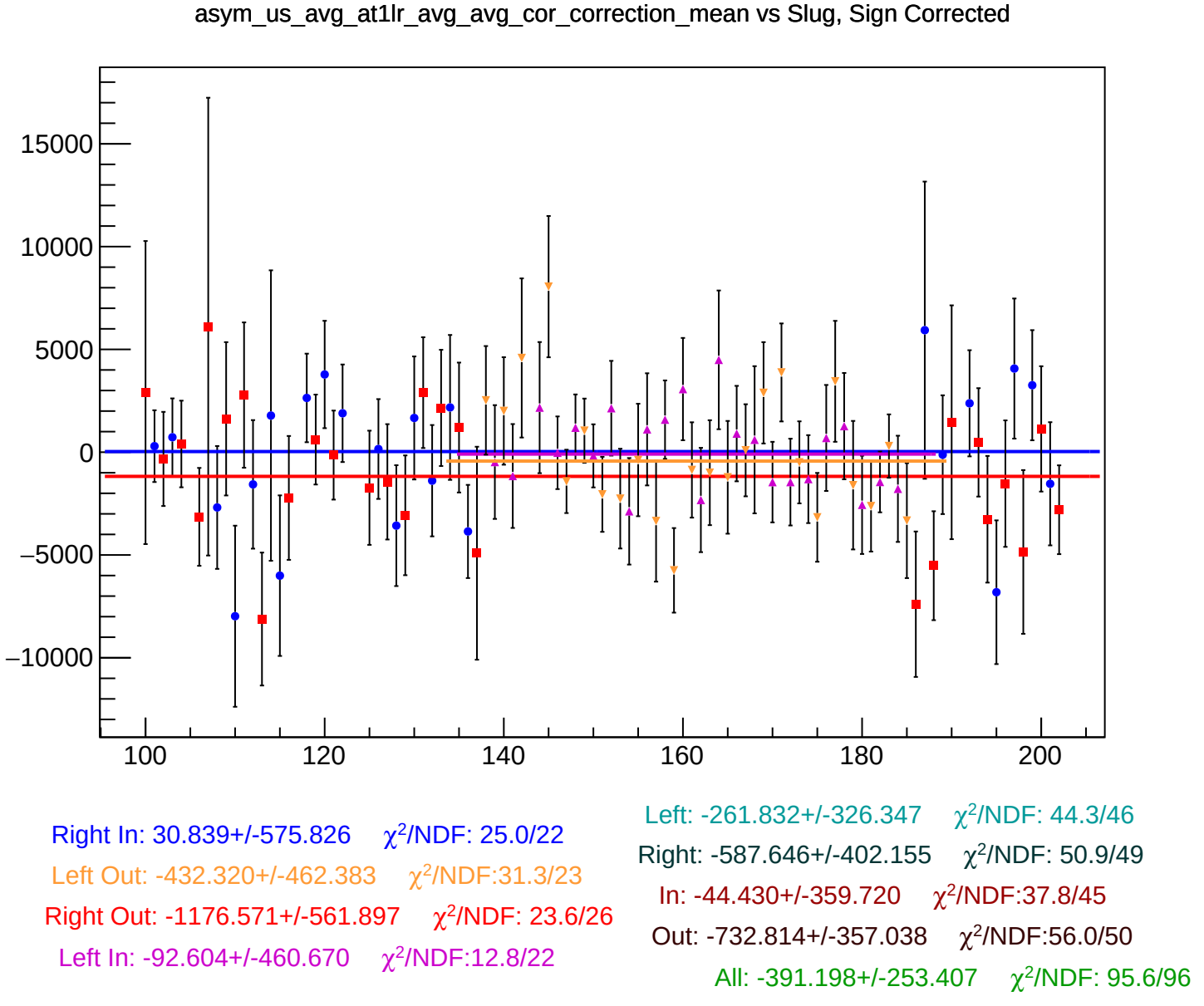
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2269.565+/-0.314 χ^2/NDF: 706620.0/49

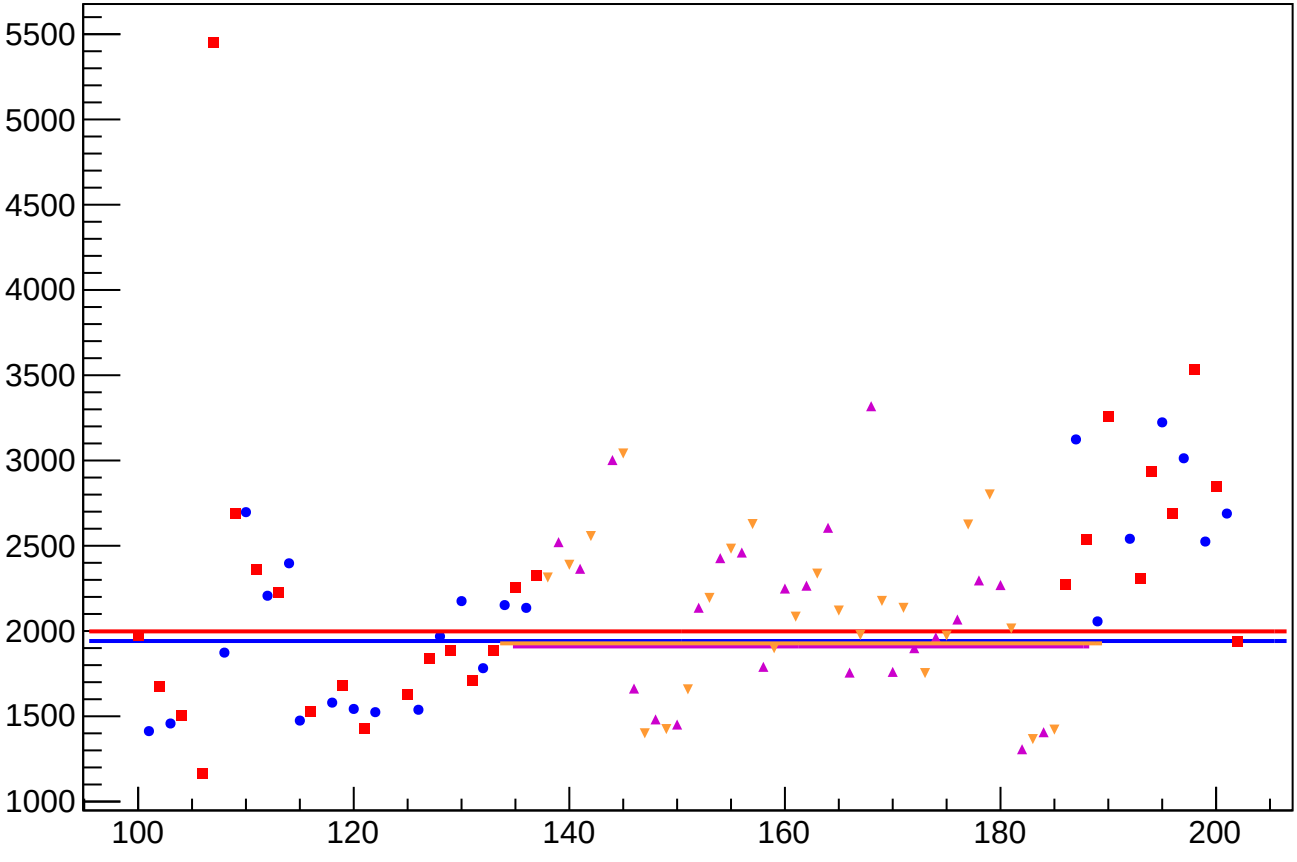
In: 2215.339+/-0.284 χ^2/NDF:547709.1/45

Out: 2222.525+/-0.276 χ^2/NDF:204241.7/50

All: 2219.041+/-0.198 χ^2/NDF: 752280.7/96


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 30.839+/-575.826 χ²/NDF: 25.0/22
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: -1176.571+/-561.897 χ²/NDF: 23.6/26
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -587.646+/-402.155 χ²/NDF: 50.9/49
In: -44.430+/-359.720 χ²/NDF:37.8/45
Out: -732.814+/-357.038 χ²/NDF:56.0/50
All: -391.198+/-253.407 χ²/NDF: 95.6/96

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1941.390+/-0.407 χ^2/NDF: 1537212.6/22

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1997.890+/-0.397 χ^2/NDF: 1969189.2/26

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

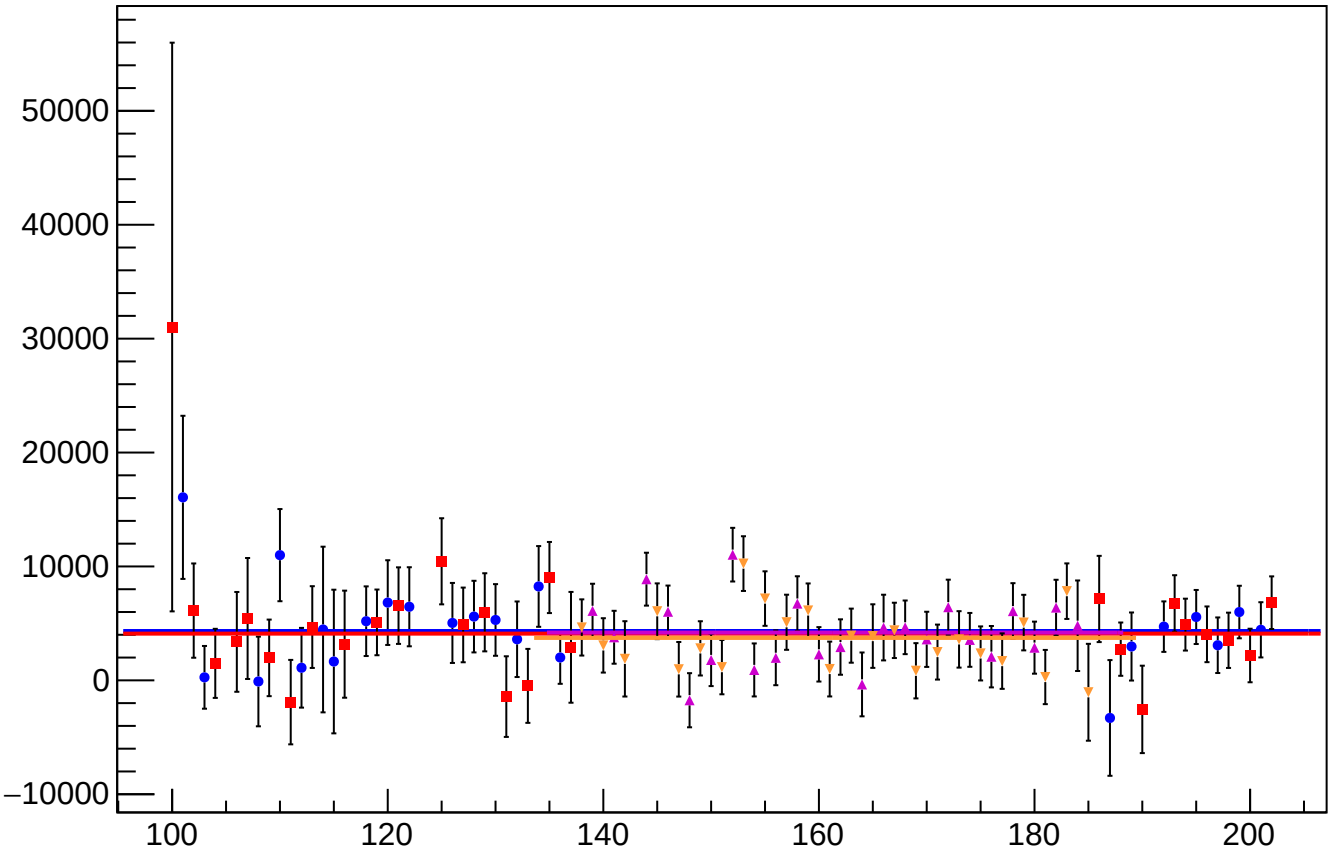
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1970.332+/-0.284 χ^2/NDF: 3516265.0/49

In: 1922.017+/-0.254 χ^2/NDF:3483212.1/45

Out: 1956.015+/-0.252 χ^2/NDF:3786225.9/50

All: 1939.143+/-0.179 χ^2/NDF: 7278437.4/96



Right In: 4330.818+/-650.430 χ^2/NDF: 16.9/22

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4101.068+/-608.861 χ^2/NDF: 23.5/26

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

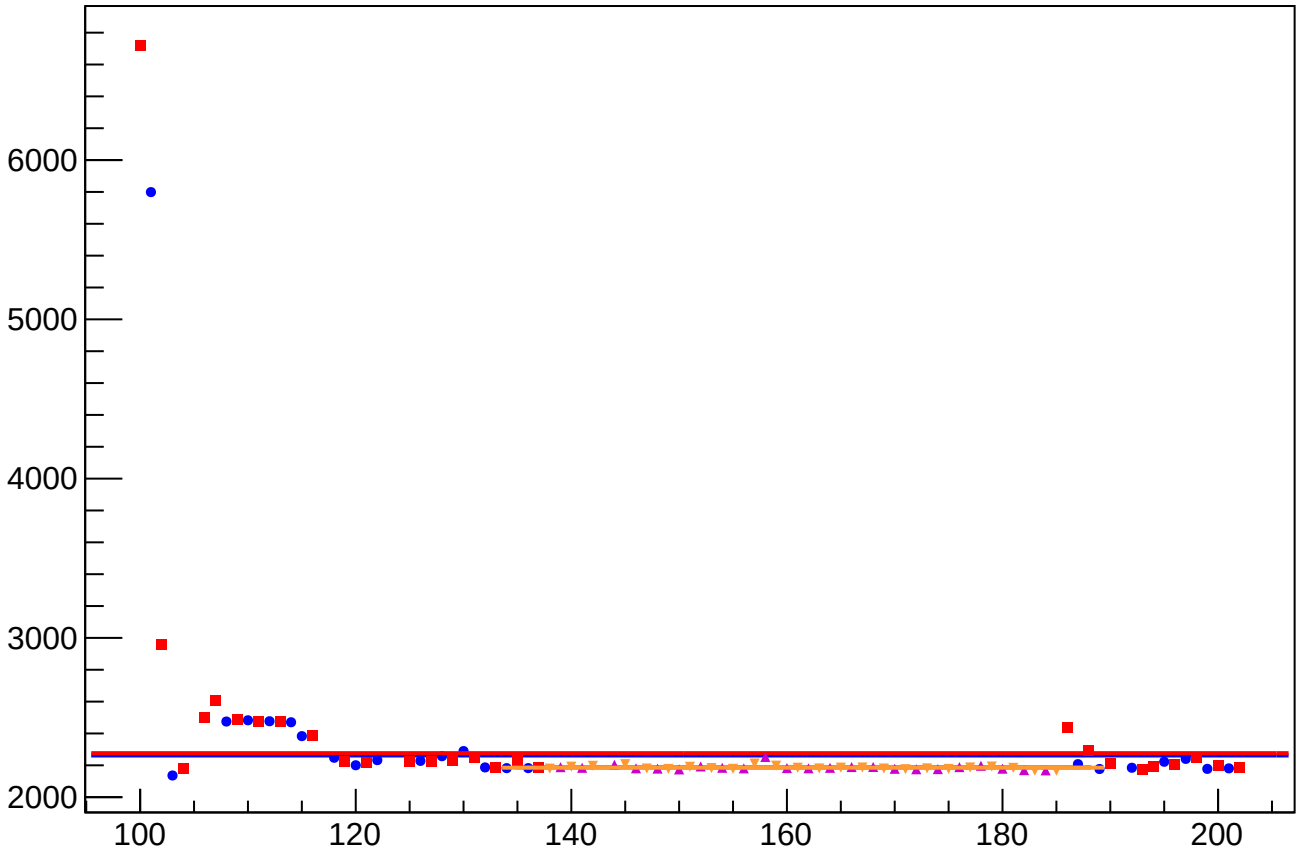
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4208.367+/-444.499 χ^2/NDF: 40.5/49

In: 4247.439+/-401.619 χ^2/NDF:49.0/45

Out: 3878.119+/-389.679 χ^2/NDF:49.2/50

All: 4057.207+/-279.671 χ^2/NDF: 98.6/96



Right In: 2261.743+/-0.460 χ^2/NDF: 529193.1/22

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2276.419+/-0.431 χ^2/NDF: 176884.2/26

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

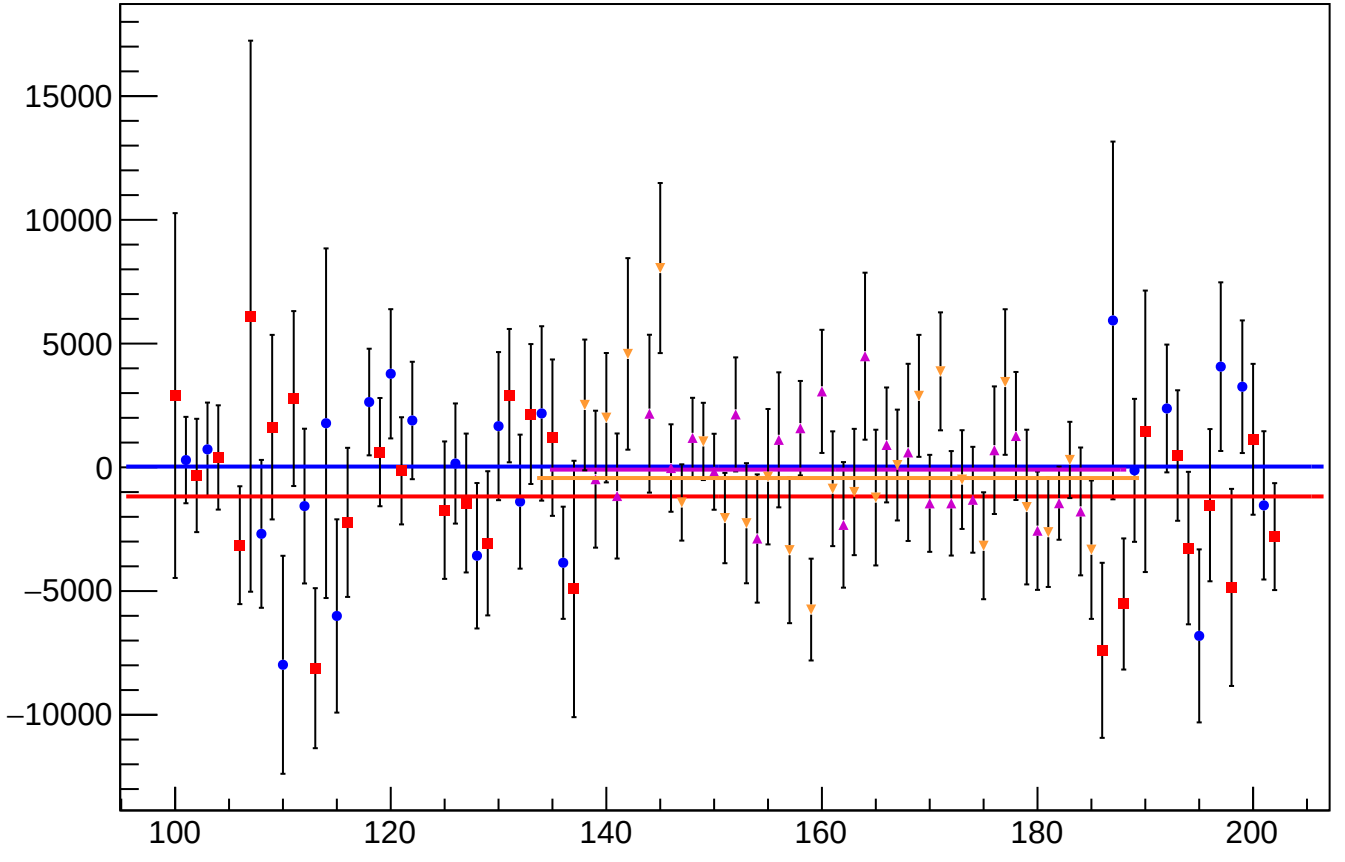
Right: 2269.565+/-0.314 χ^2/NDF: 706620.0/49

In: 2215.339+/-0.284 χ^2/NDF:547709.1/45

Out: 2222.525+/-0.276 χ^2/NDF:204241.7/50

All: 2219.041+/-0.198 χ^2/NDF: 752280.7/96

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 30.839+/-575.826 χ^2/NDF: 25.0/22

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1176.571+/-561.897 χ^2/NDF: 23.6/26

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

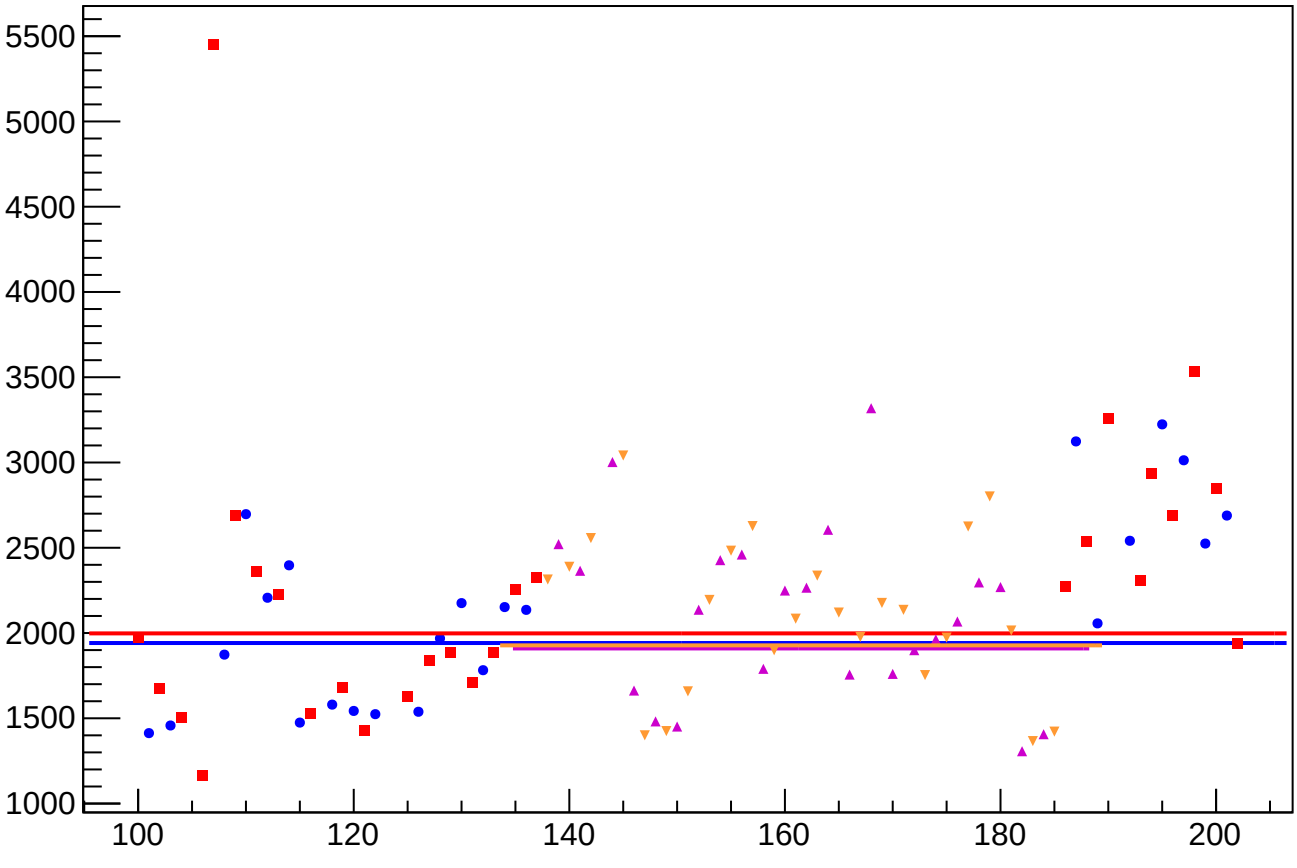
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -587.646+/-402.155 χ^2/NDF: 50.9/49

In: -44.430+/-359.720 χ^2/NDF:37.8/45

Out: -732.814+/-357.038 χ^2/NDF:56.0/50

All: -391.198+/-253.407 χ^2/NDF: 95.6/96



Right In: 1941.390+/-0.407 χ^2/NDF: 1537212.6/22

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1997.890+/-0.397 χ^2/NDF: 1969189.2/26

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

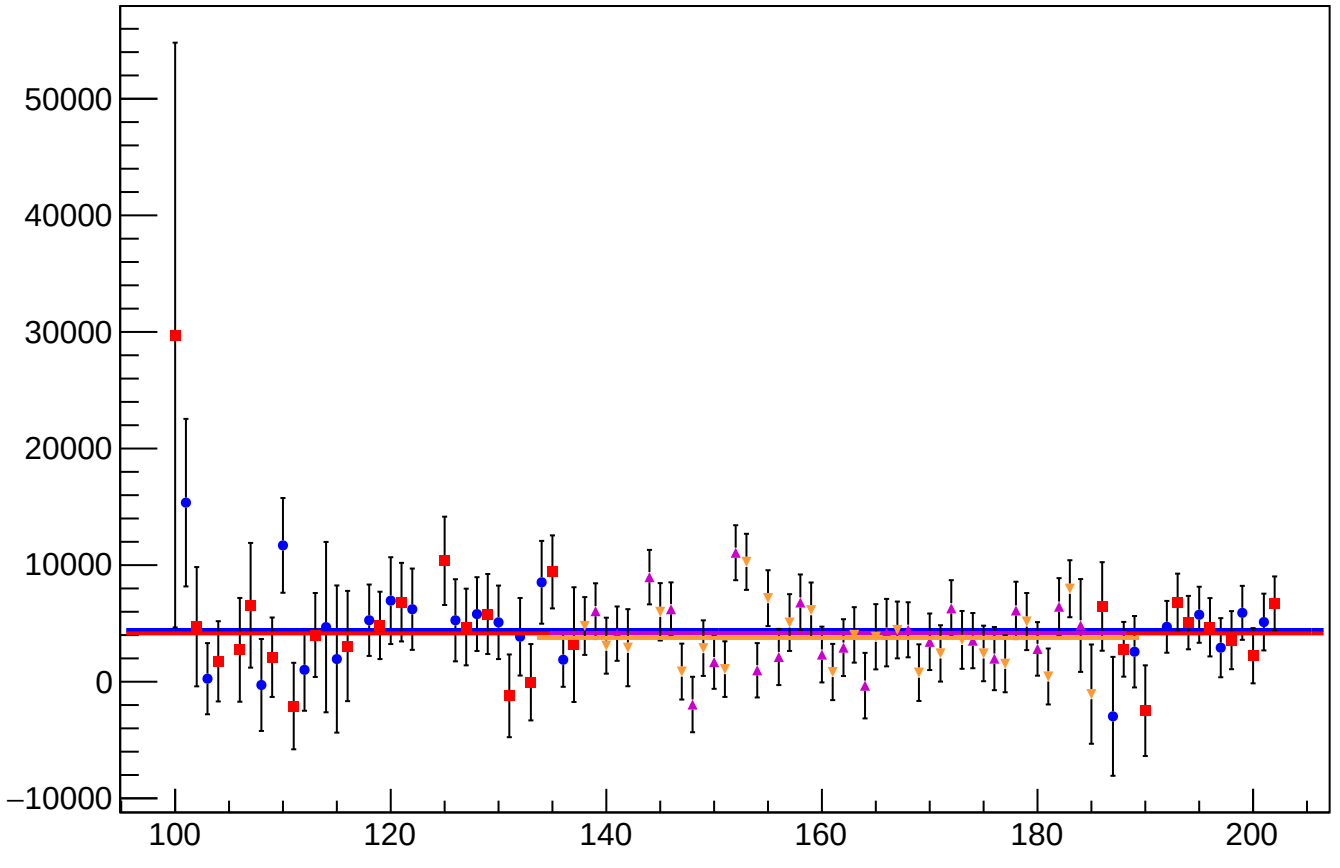
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1970.332+/-0.284 χ^2/NDF: 3516265.0/49

In: 1922.017+/-0.254 χ^2/NDF:3483212.1/45

Out: 1956.015+/-0.252 χ^2/NDF:3786225.9/50

All: 1939.143+/-0.179 χ^2/NDF: 7278437.4/96



Right In: 4437.426+/-658.627 χ^2/NDF: 17.2/22

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4146.465+/-618.631 χ^2/NDF: 22.4/26

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

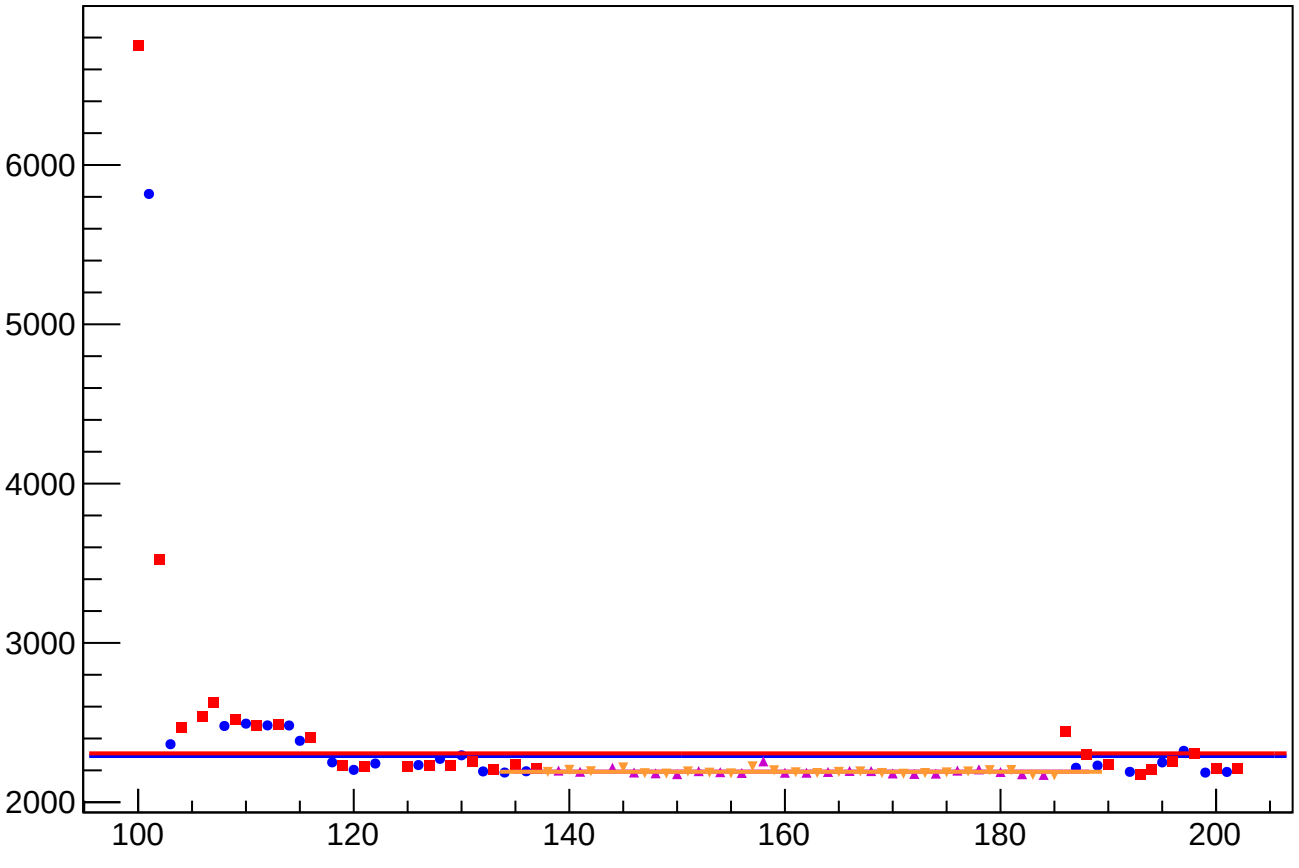
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4282.844+/-450.915 χ^2/NDF: 39.6/49

In: 4279.562+/-404.160 χ^2/NDF:49.9/45

Out: 3912.312+/-392.857 χ^2/NDF:48.3/50

All: 4090.730+/-281.703 χ^2/NDF: 98.6/96



Right In: 2289.947+/-0.466 χ^2/NDF: 523476.3/22

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2306.668+/-0.437 χ^2/NDF: 240034.2/26

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

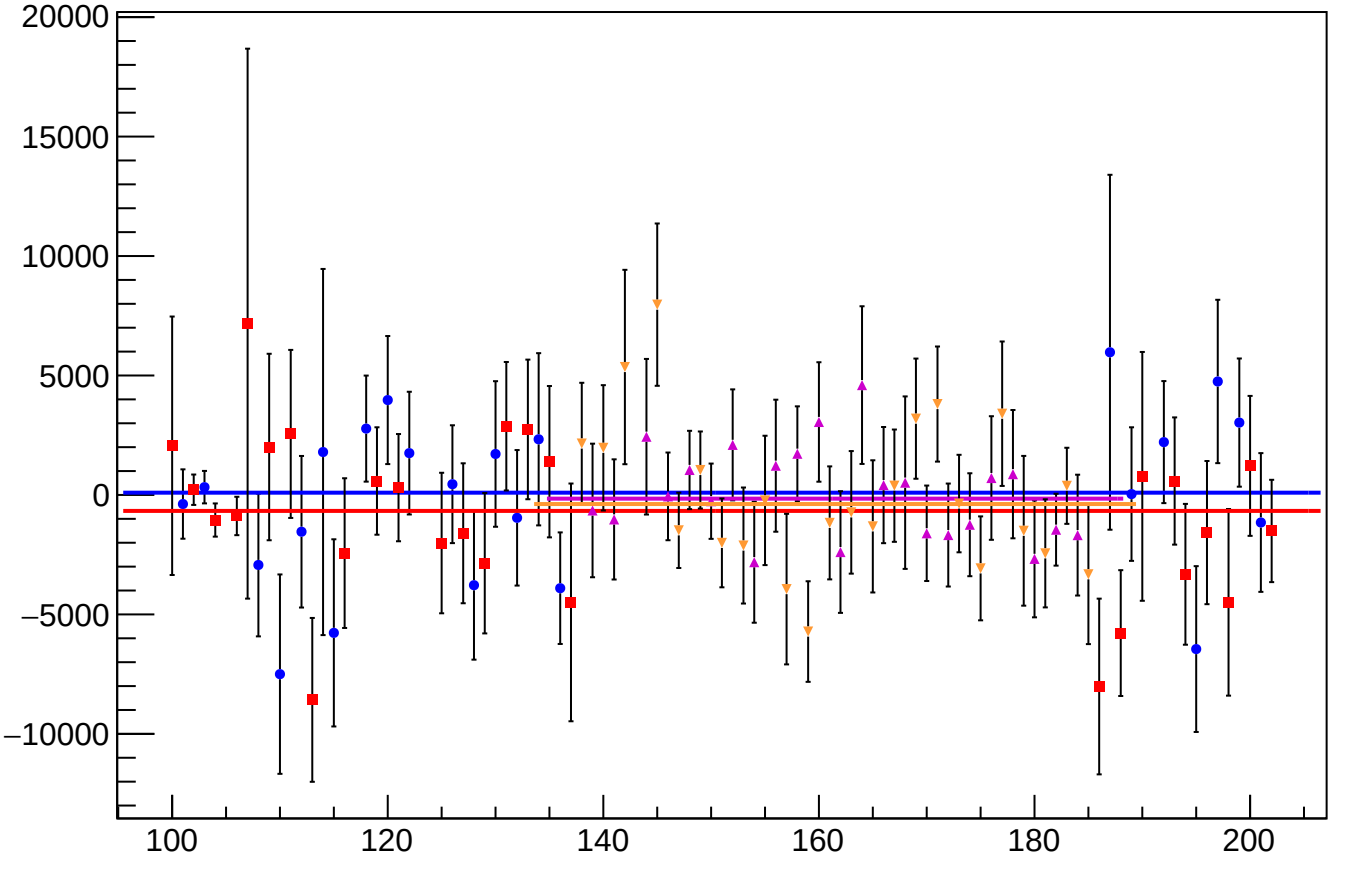
Right: 2298.831+/-0.319 χ^2/NDF: 764195.4/49

In: 2229.008+/-0.286 χ^2/NDF:553221.0/45

Out: 2237.734+/-0.278 χ^2/NDF:282879.6/50

All: 2233.495+/-0.199 χ^2/NDF: 836580.1/96

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 95.284+/-448.513 χ^2/NDF: 24.5/22

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -668.040+/-340.406 χ^2/NDF: 26.0/26

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

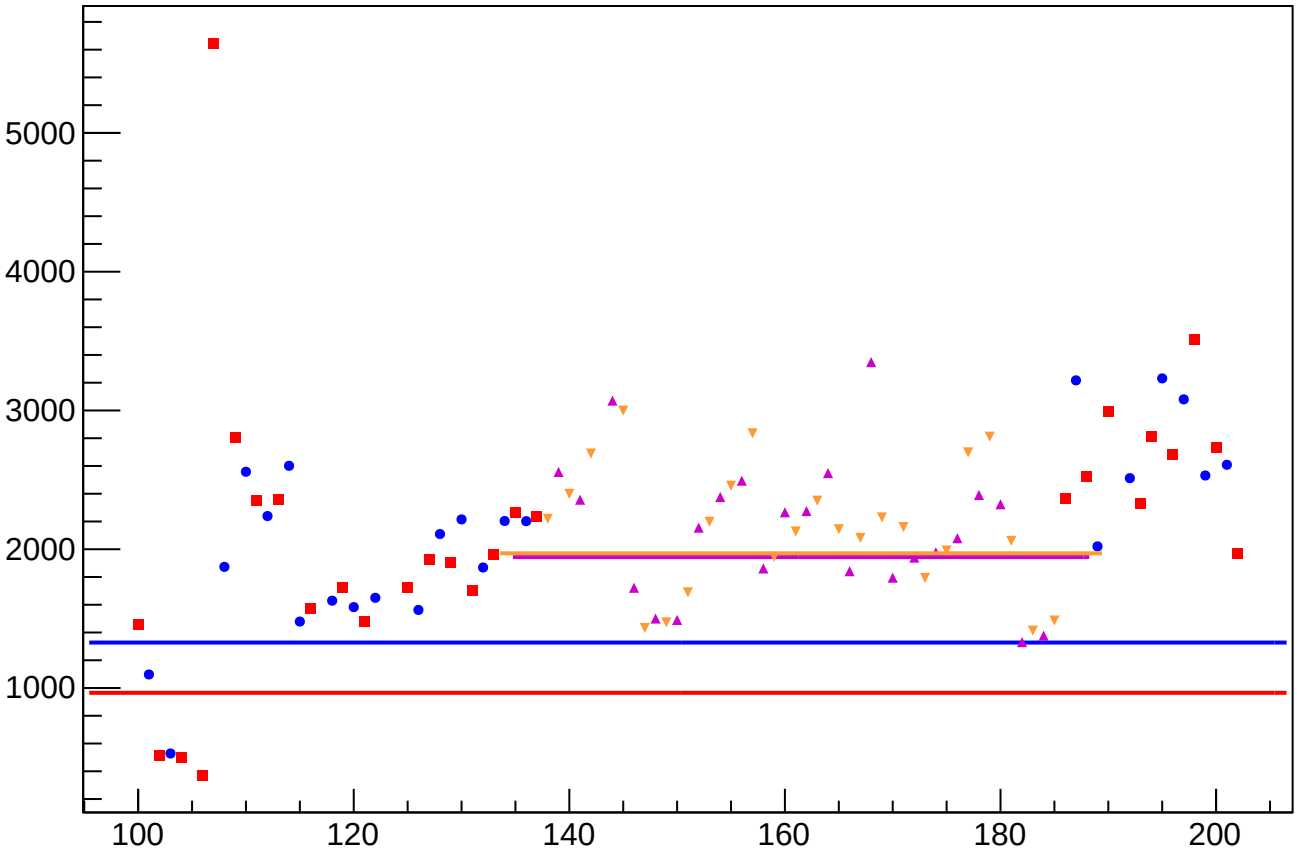
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -389.050+/-271.153 χ^2/NDF: 52.3/49

In: -24.305+/-323.816 χ^2/NDF:37.5/45

Out: -569.508+/-275.990 χ^2/NDF:57.0/50

All: -340.105+/-210.049 χ^2/NDF: 96.1/96



Right In: 1327.613+/-0.317 χ^2/NDF: 6757388.2/22

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 965.426+/-0.241 χ^2/NDF: 11537834.6/26

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

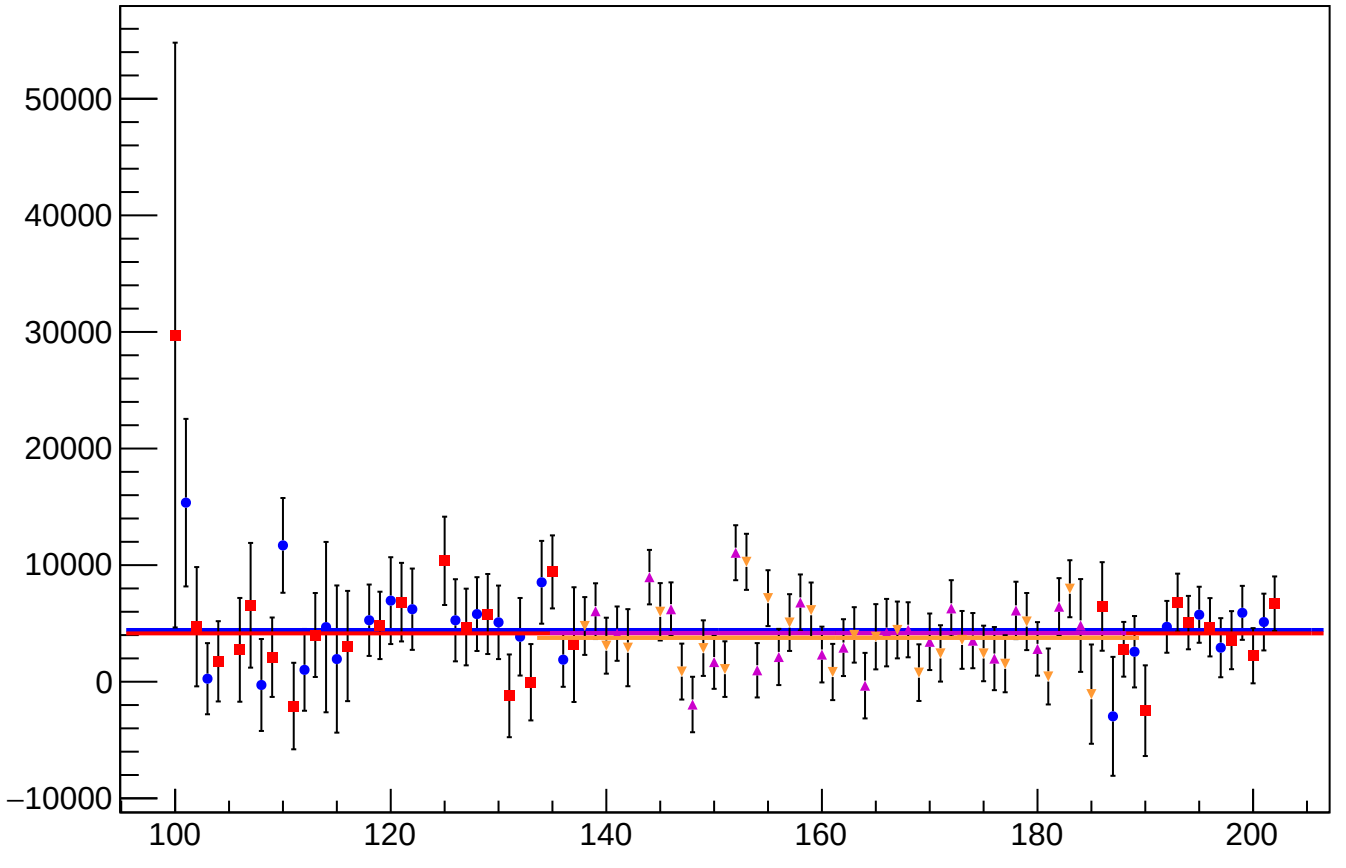
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 1097.803+/-0.192 χ^2/NDF: 19122748.9/49

In: 1622.529+/-0.229 χ^2/NDF:10446538.8/45

Out: 1309.874+/-0.195 χ^2/NDF:19210693.7/50

All: 1441.429+/-0.149 χ^2/NDF: 30737214.5/9



Right In: 4437.424+/-658.627 χ^2/NDF: 17.2/22

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4146.460+/-618.631 χ^2/NDF: 22.4/26

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

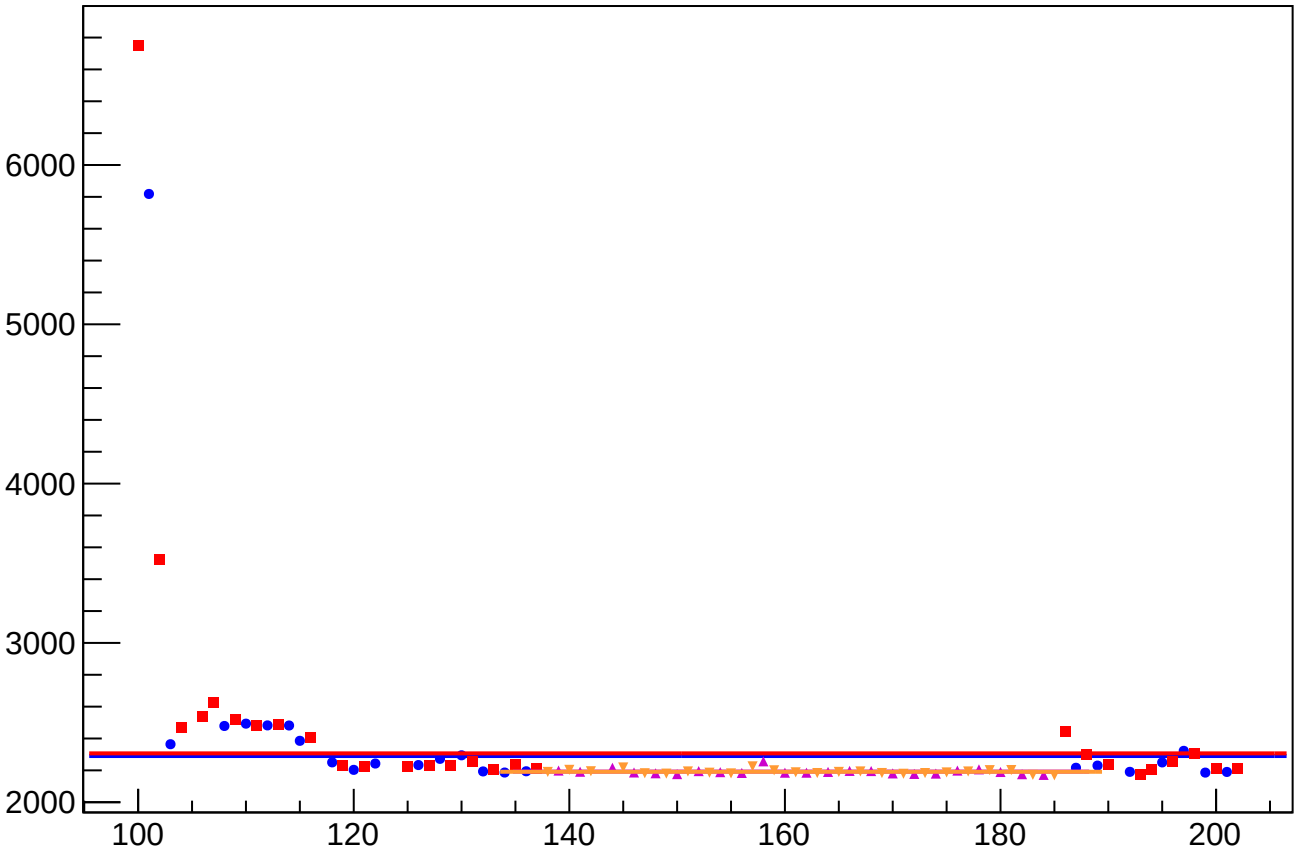
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4282.840+/-450.915 χ^2/NDF: 39.6/49

In: 4279.562+/-404.160 χ^2/NDF:49.9/45

Out: 3912.309+/-392.857 χ^2/NDF:48.3/50

All: 4090.728+/-281.703 χ^2/NDF: 98.6/96



Right In: 2289.947+/-0.466 χ^2/NDF: 523476.2/22

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2306.668+/-0.437 χ^2/NDF: 240033.0/26

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

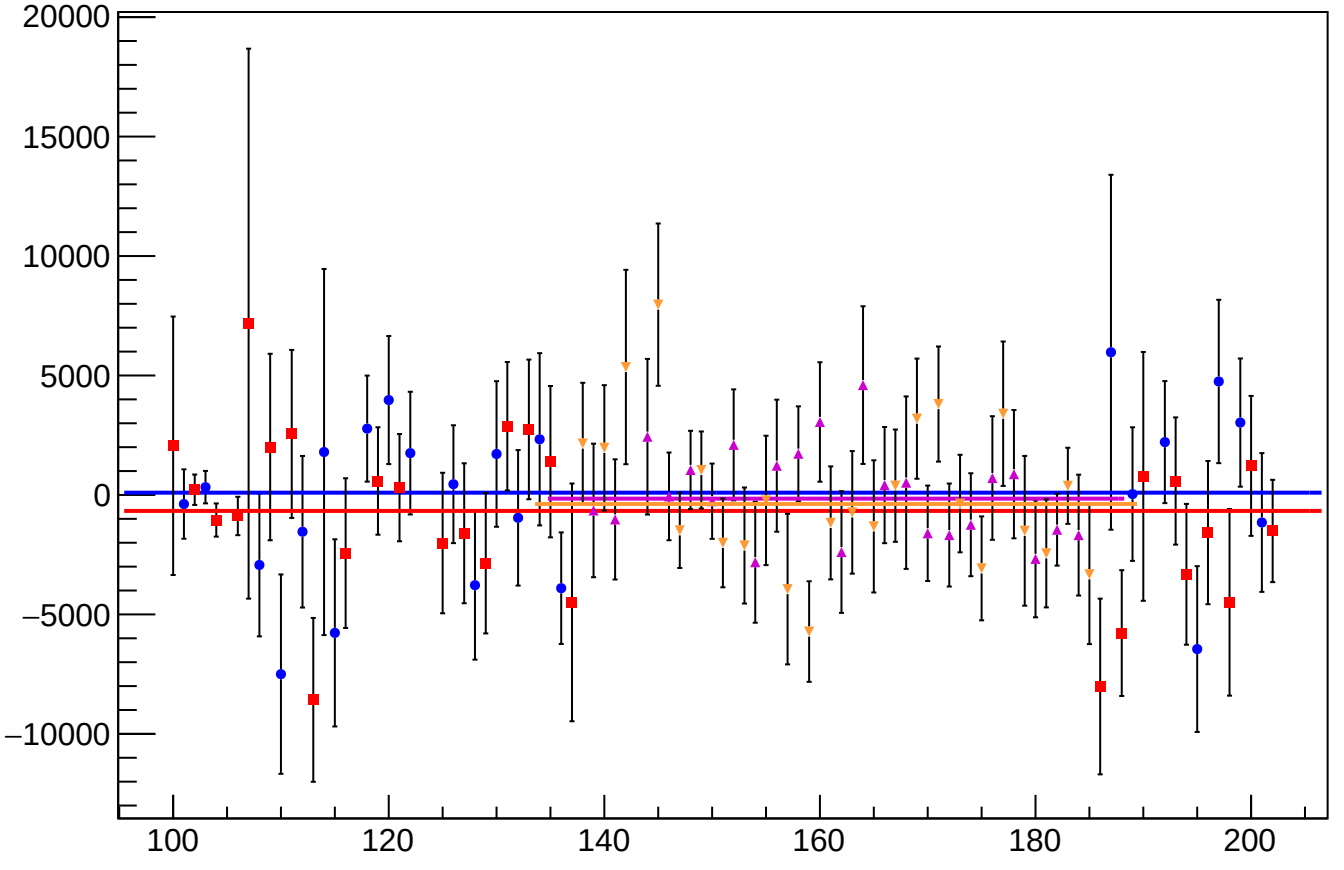
Right: 2298.830+/-0.319 χ^2/NDF: 764194.1/49

In: 2229.007+/-0.286 χ^2/NDF:553220.8/45

Out: 2237.734+/-0.278 χ^2/NDF:282878.2/50

All: 2233.495+/-0.199 χ^2/NDF: 836578.4/96

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 95.279+/-448.515 χ^2/NDF: 24.5/22

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -668.048+/-340.410 χ^2/NDF: 26.0/26

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

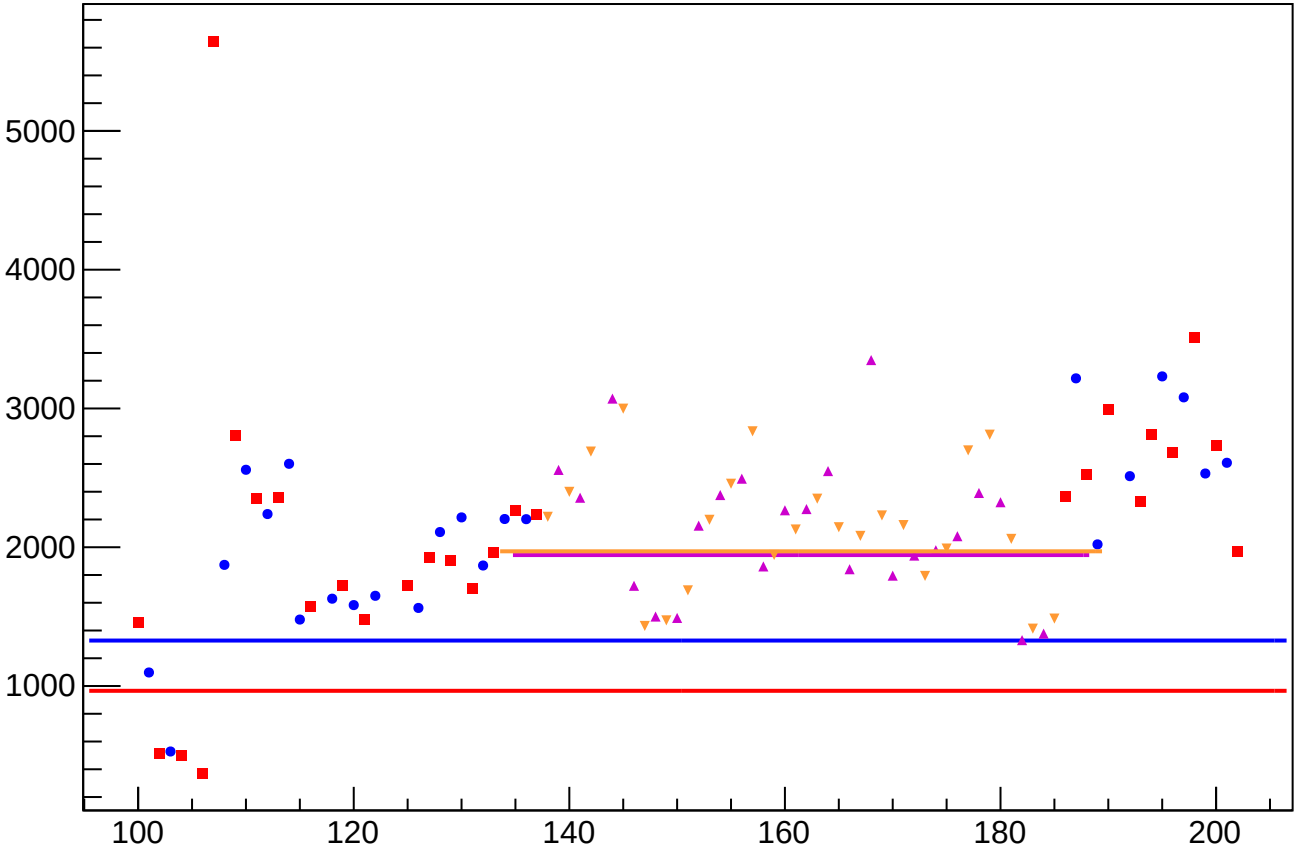
Right: -389.054+/-271.156 χ^2/NDF: 52.3/49

In: -24.308+/-323.817 χ^2/NDF:37.5/45

Out: -569.514+/-275.992 χ^2/NDF:57.0/50

All: -340.108+/-210.050 χ^2/NDF: 96.1/96

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1327.623+/-0.317 χ^2/NDF: 6757278.9/22

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 965.444+/-0.241 χ^2/NDF: 11537610.5/26

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

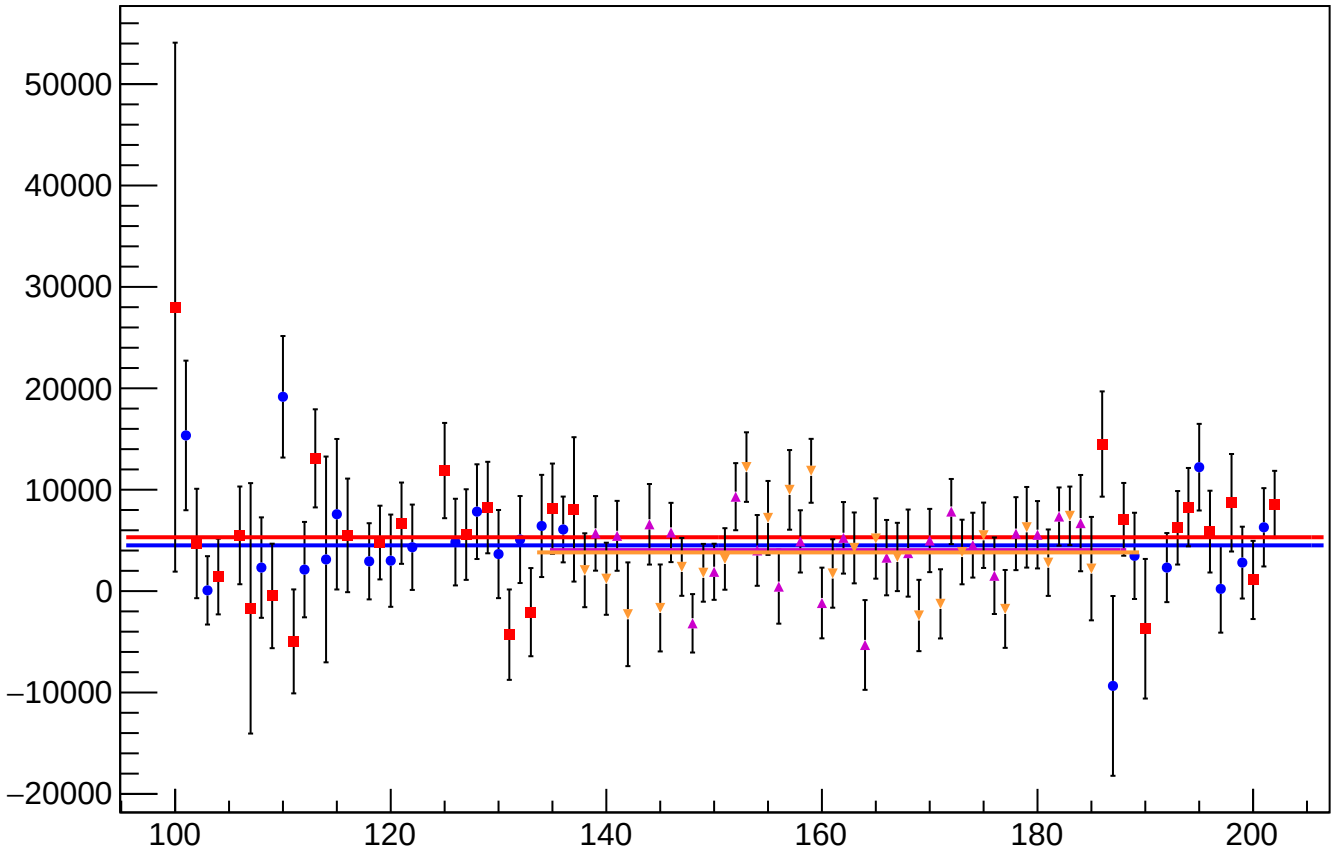
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 1097.819+/-0.192 χ^2/NDF: 19122368.8/49

In: 1622.537+/-0.229 χ^2/NDF:10446376.3/45

Out: 1309.891+/-0.195 χ^2/NDF:19210235.8/50

All: 1441.443+/-0.149 χ^2/NDF: 30736516.9/9



Right In: 4512.003+/-922.354 χ^2/NDF: 19.4/22

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5311.730+/-875.210 χ^2/NDF: 29.1/26

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

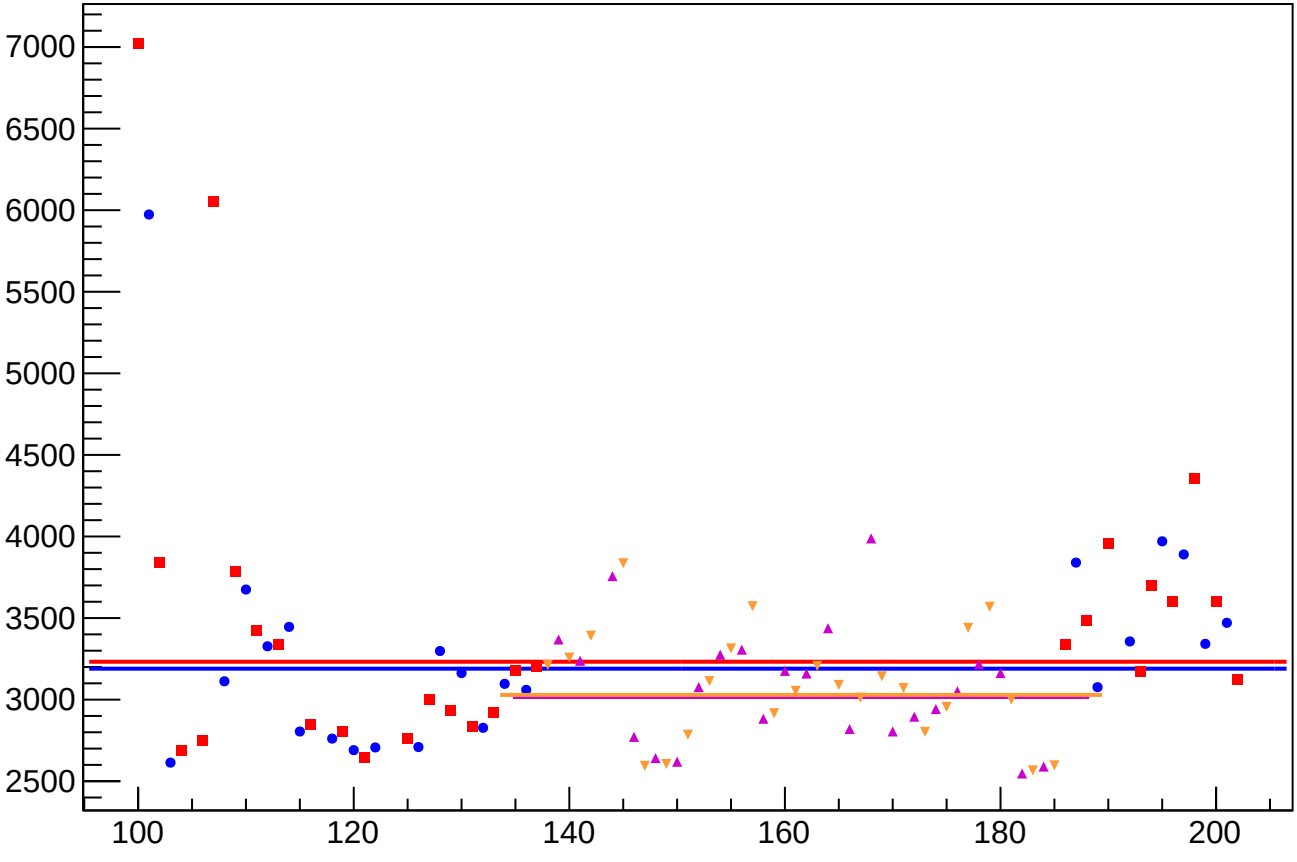
Right: 4932.826+/-634.879 χ^2/NDF: 48.8/49

In: 4217.009+/-562.404 χ^2/NDF:42.0/45

Out: 4409.062+/-550.591 χ^2/NDF:61.7/50

All: 4315.074+/-393.436 χ^2/NDF: 103.8/96

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3189.776+/-0.652 χ^2/NDF: 636961.9/22

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3232.294+/-0.619 χ^2/NDF: 611771.8/26

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

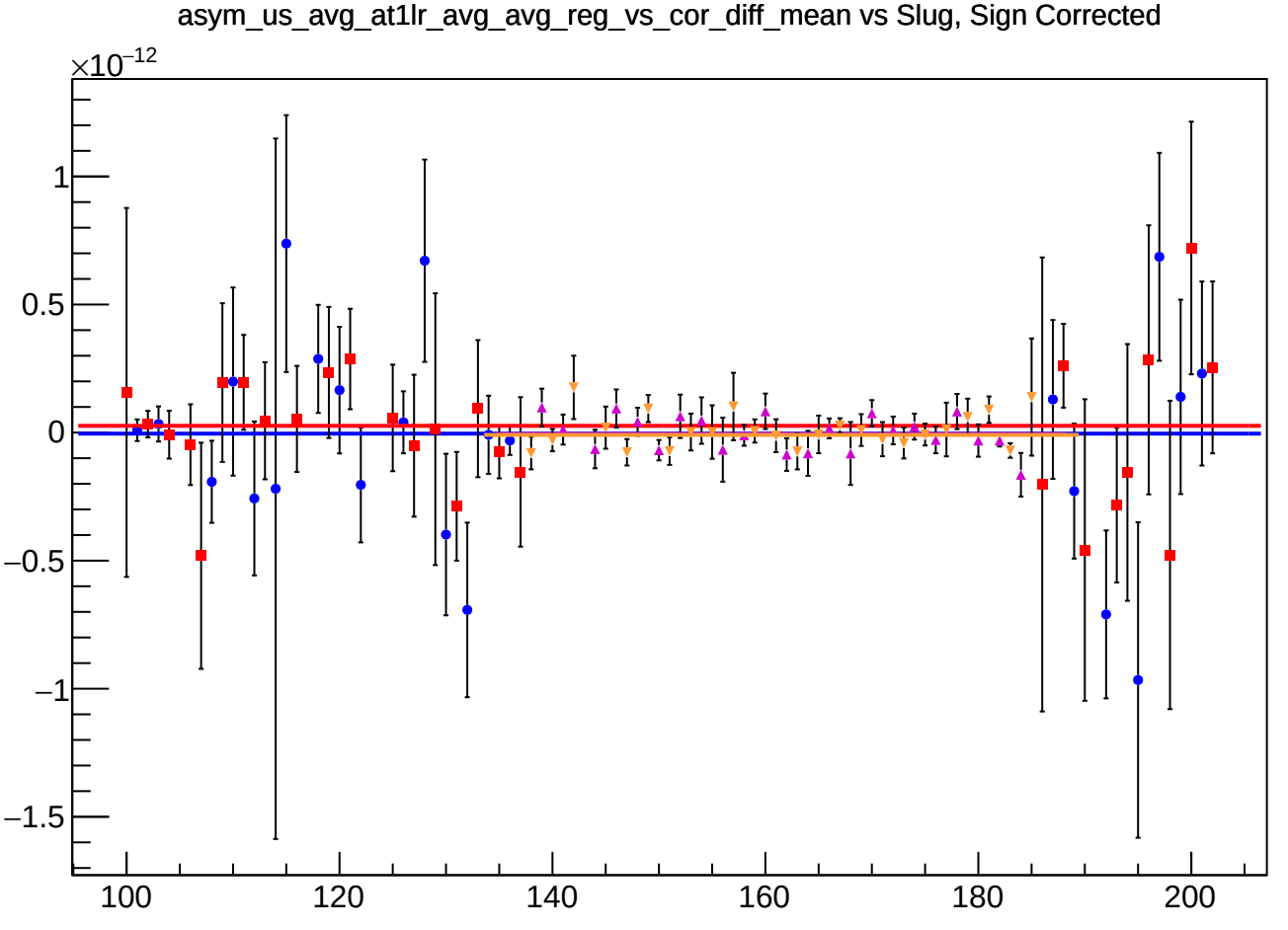
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3212.149+/-0.449 χ^2/NDF: 1250970.1/49

In: 3080.767+/-0.398 χ^2/NDF:1121328.7/45

Out: 3109.446+/-0.389 χ^2/NDF:1074096.5/50

All: 3095.411+/-0.278 χ^2/NDF: 2198080.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/26

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

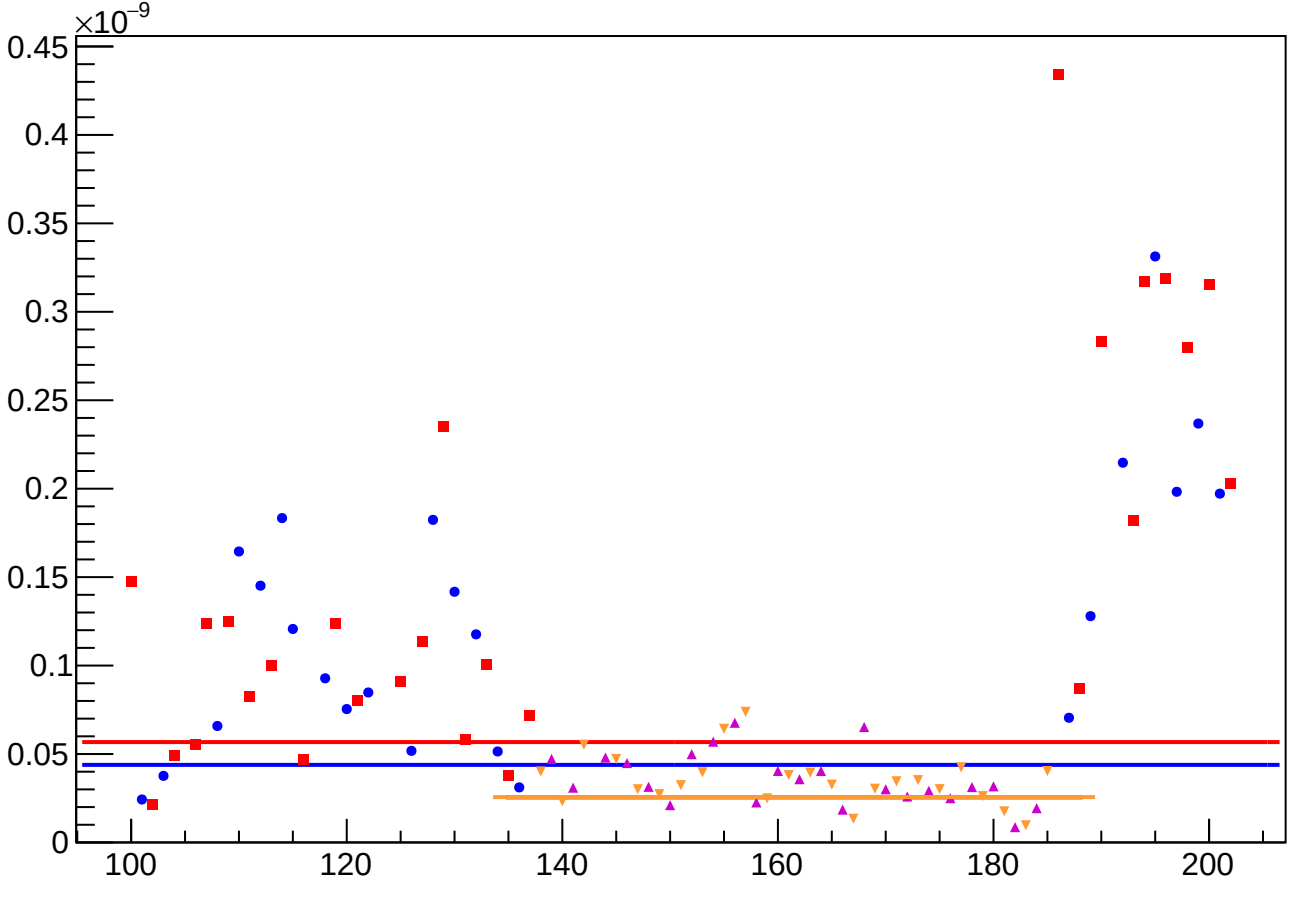
Right: 0.000+/-0.000 χ^2/NDF: 45.5/49

In: -0.000+/-0.000 χ^2/NDF:51.8/45

Out: -0.000+/-0.000 χ^2/NDF:41.6/50

All: -0.000+/-0.000 χ^2/NDF: 93.5/96

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4218985.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5188242.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

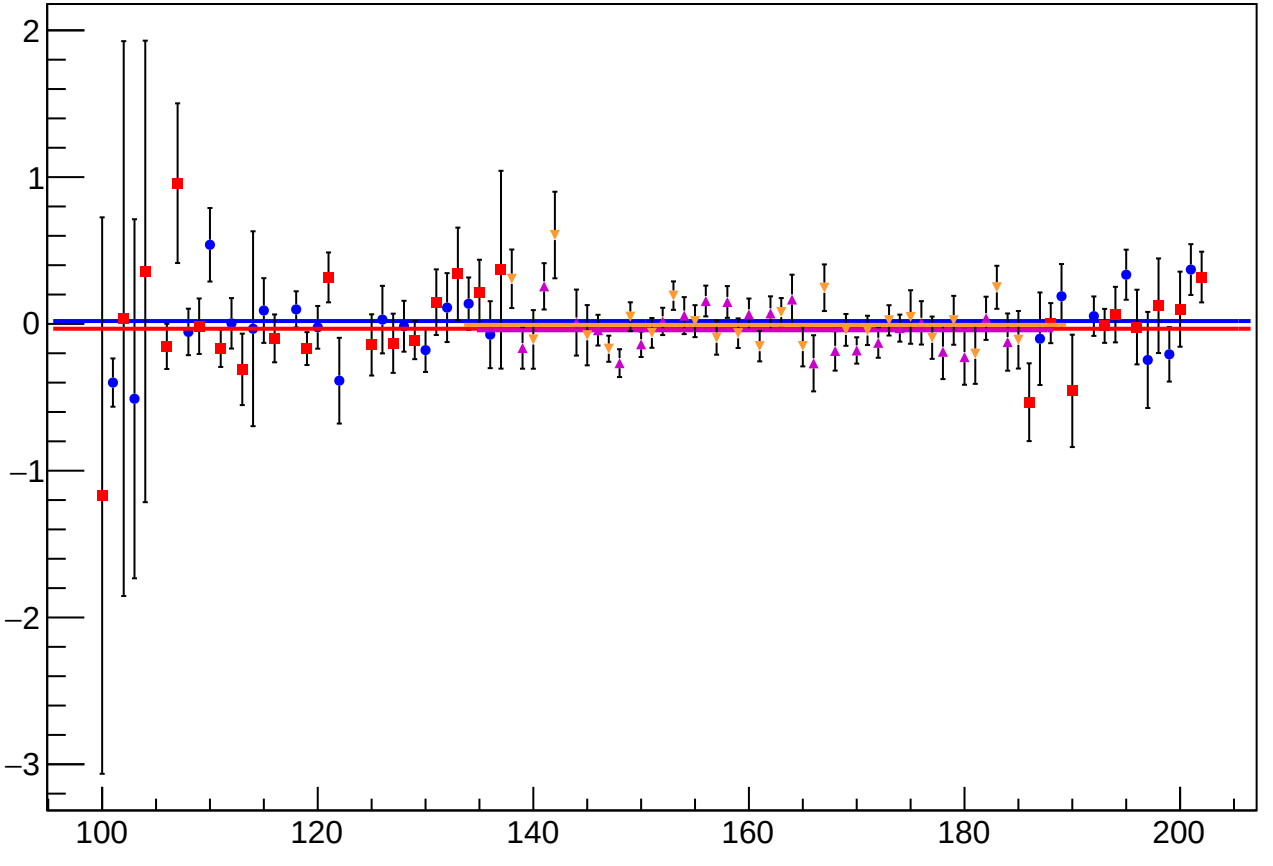
Right: 0.000+/-0.000 χ^2/NDF: 9591315.1/49

In: 0.000+/-0.000 χ^2/NDF:7835891.3/45

Out: 0.000+/-0.000 χ^2/NDF:9219495.0/50

All: 0.000+/-0.000 χ^2/NDF: 17058707.8/96

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.040 χ^2/NDF: 26.8/22

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

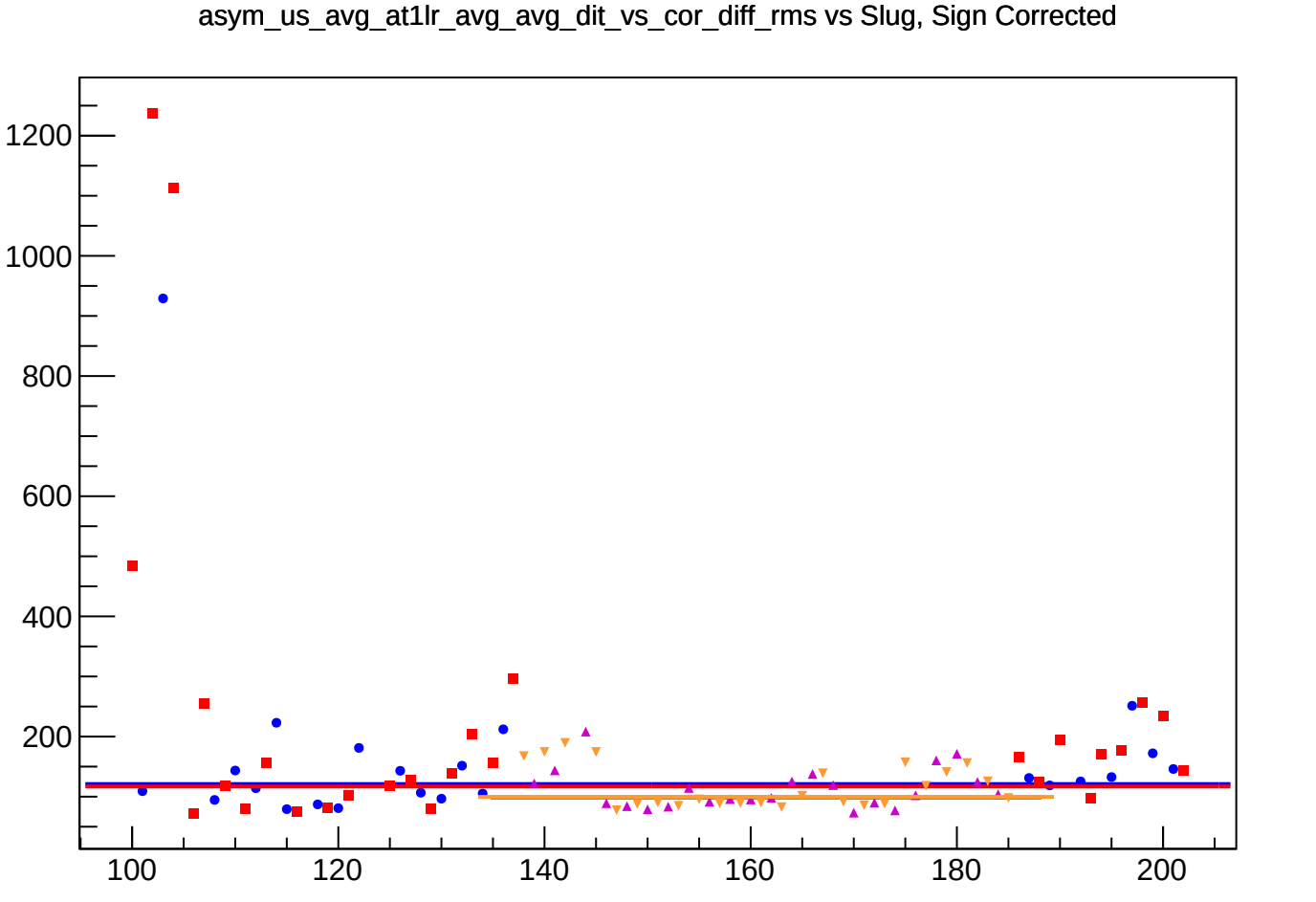
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.008+/-0.027 χ^2/NDF: 54.7/49

In: -0.026+/-0.021 χ^2/NDF:58.9/45

Out: -0.015+/-0.021 χ^2/NDF:55.0/50

All: -0.020+/-0.015 χ^2/NDF: 114.0/96



Right In: 120.995+/-0.028 χ^2/NDF: 2443980.8/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 116.870+/-0.026 χ^2/NDF: 4342434.4/26

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

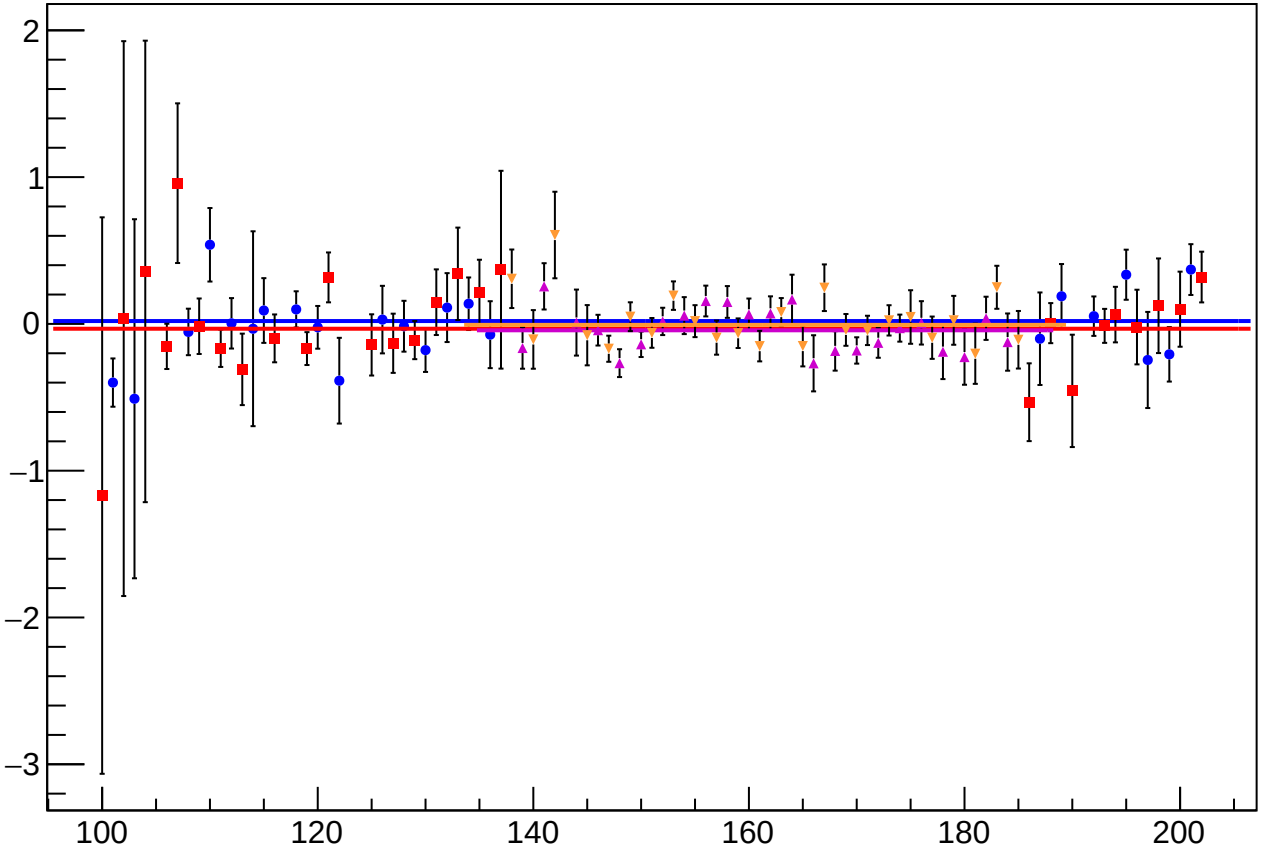
Right: 118.807+/-0.019 χ^2/NDF: 6797846.0/49

In: 105.021+/-0.015 χ^2/NDF:4898972.2/45

Out: 105.025+/-0.015 χ^2/NDF:6706400.7/50

All: 105.023+/-0.011 χ^2/NDF: 11605373.0/96

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.040 χ^2/NDF: 26.8/22

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

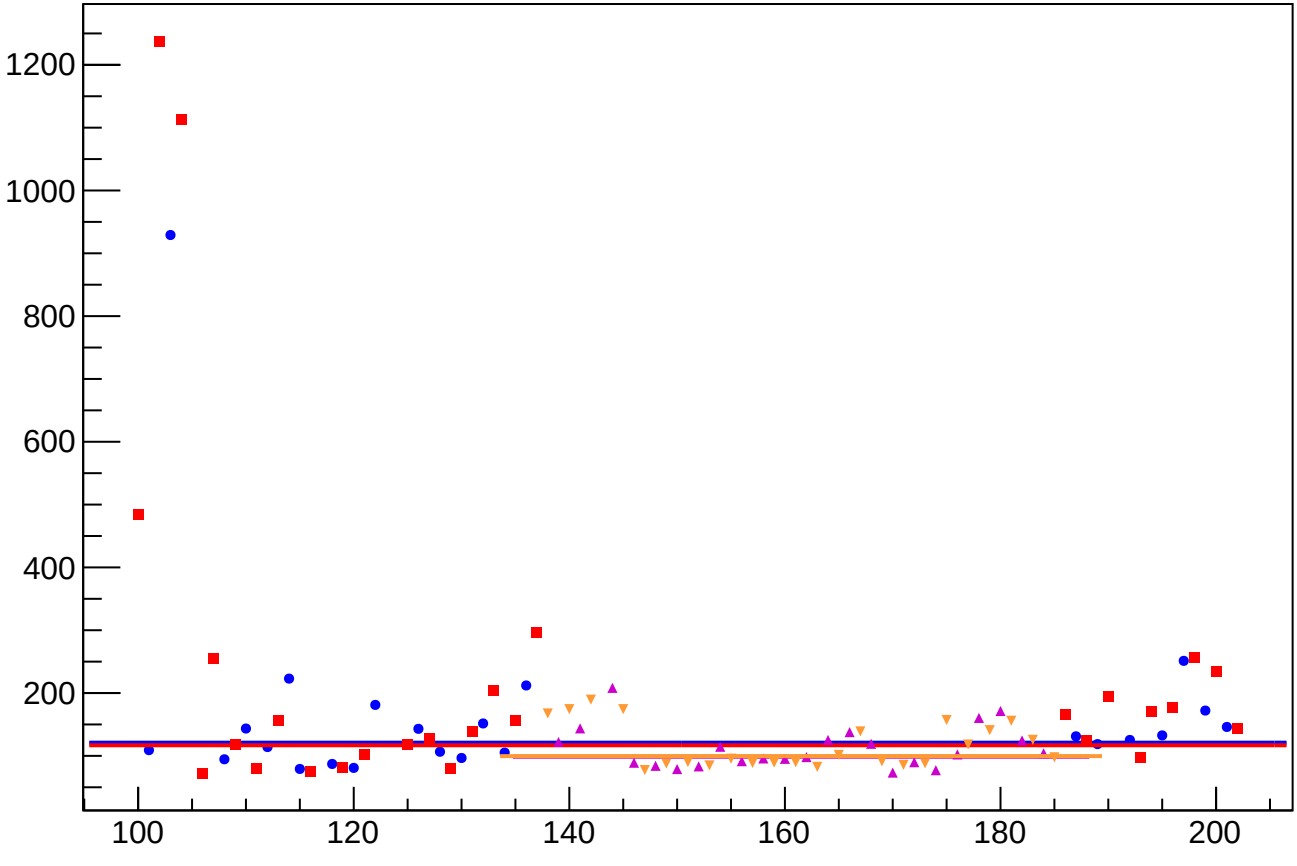
Right: -0.008+/-0.027 χ^2/NDF: 54.7/49

In: -0.026+/-0.021 χ^2/NDF:58.9/45

Out: -0.015+/-0.021 χ^2/NDF:55.0/50

All: -0.020+/-0.015 χ^2/NDF: 114.0/96

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.995+/-0.028 χ^2/NDF: 2443980.8/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 116.870+/-0.026 χ^2/NDF: 4342434.4/26

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

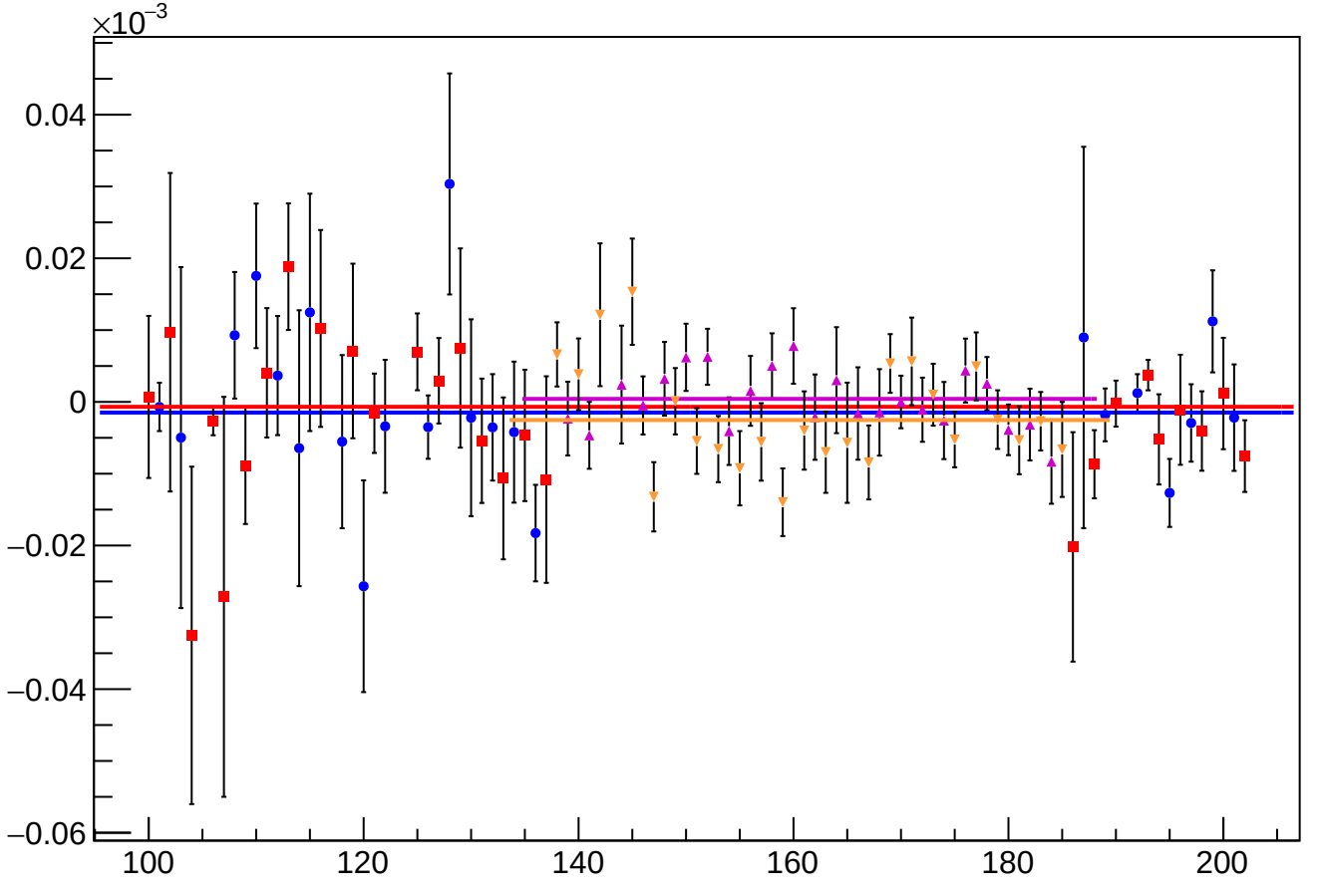
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 118.807+/-0.019 χ^2/NDF: 6797846.0/49

In: 105.021+/-0.015 χ^2/NDF:4898972.2/45

Out: 105.025+/-0.015 χ^2/NDF:6706400.7/50

All: 105.023+/-0.011 χ^2/NDF: 11605373.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/26

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

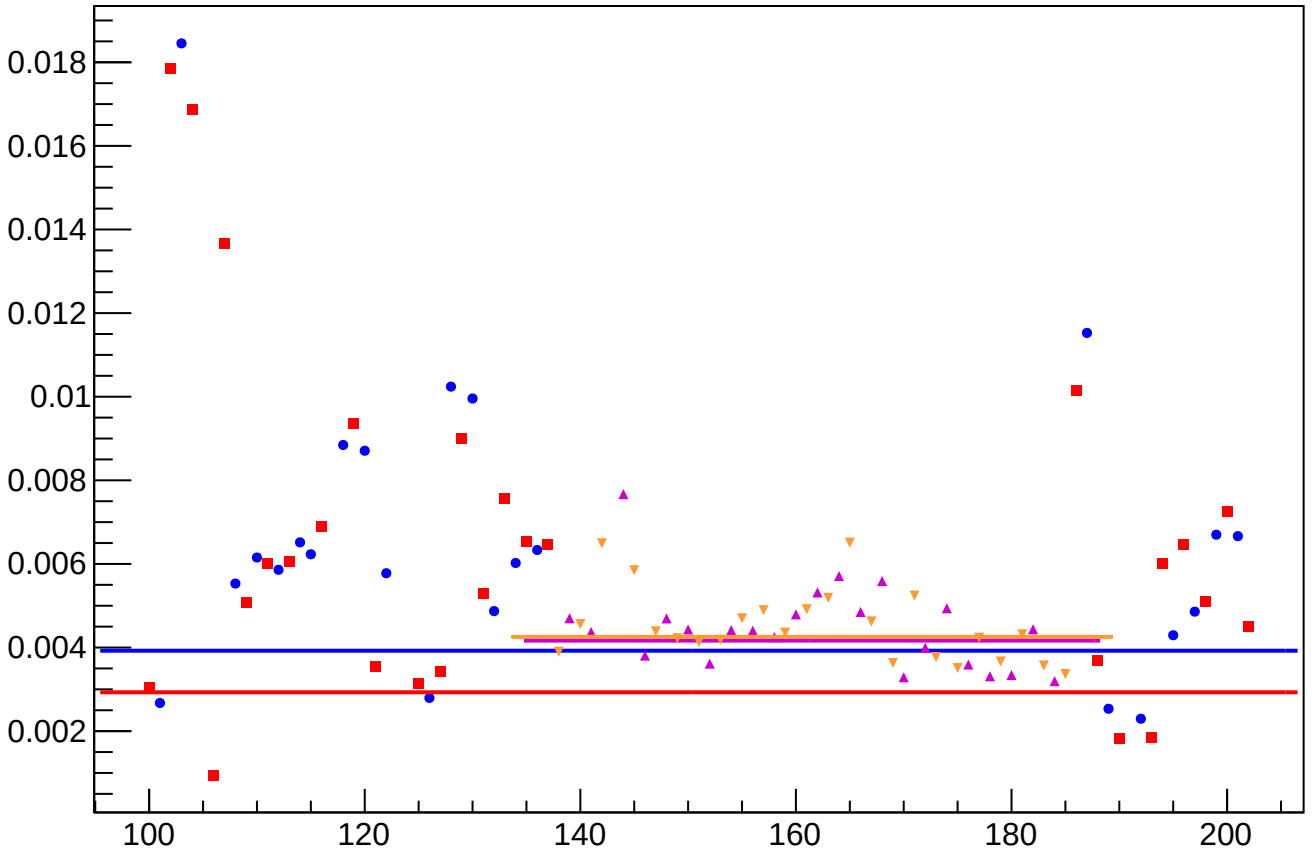
Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

Right: -0.000+/-0.000 χ^2/NDF: 57.7/49

In: -0.000+/-0.000 χ^2/NDF:47.4/45

Out: -0.000+/-0.000 χ^2/NDF:69.1/50

All: -0.000+/-0.000 χ^2/NDF: 118.0/96



Right In: 0.004+/-0.000 χ^2/NDF: 5095847.2/22

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9860077.8/26

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

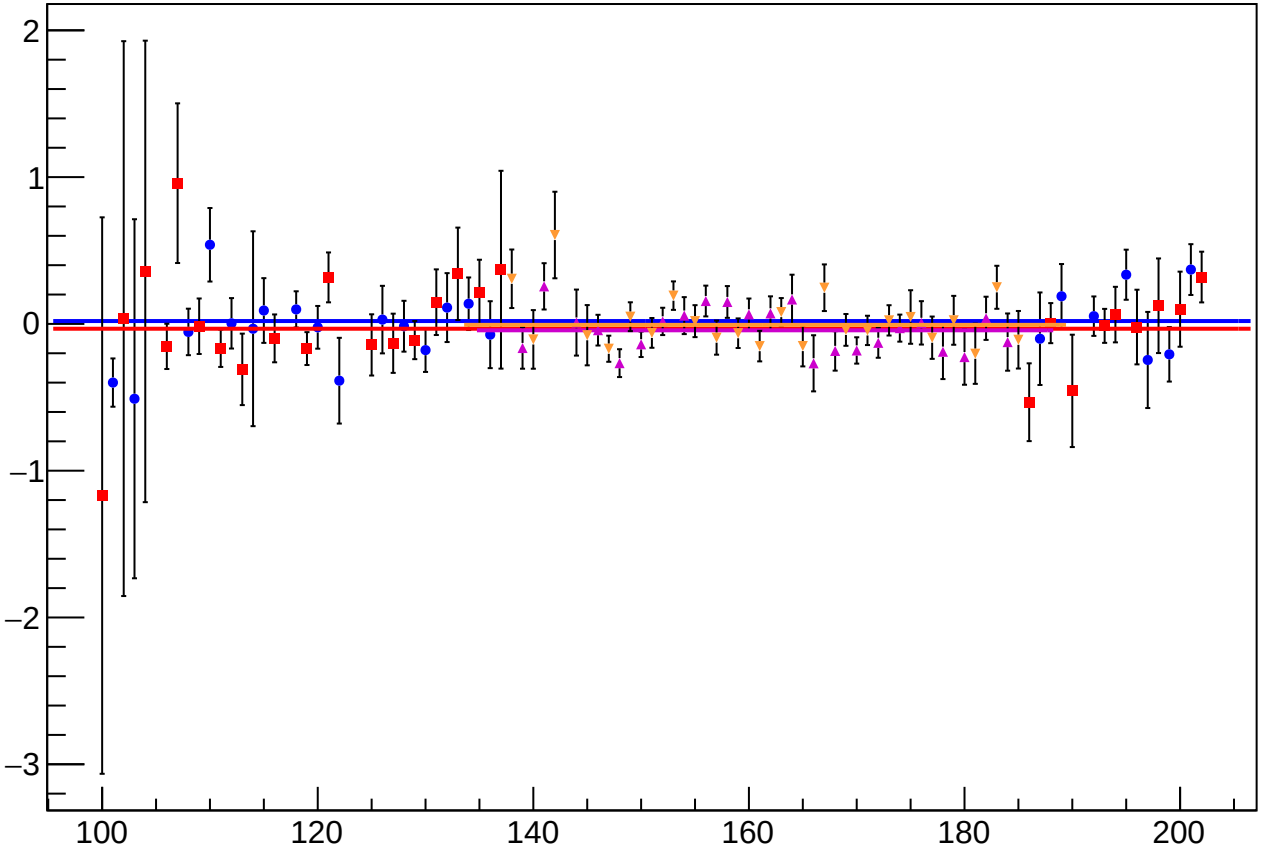
Right: 0.003+/-0.000 χ^2/NDF: 15688607.6/49

In: 0.004+/-0.000 χ^2/NDF:6417418.0/45

Out: 0.004+/-0.000 χ^2/NDF:12391877.6/50

All: 0.004+/-0.000 χ^2/NDF: 19208989.2/96

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.040 χ^2/NDF: 26.8/22

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

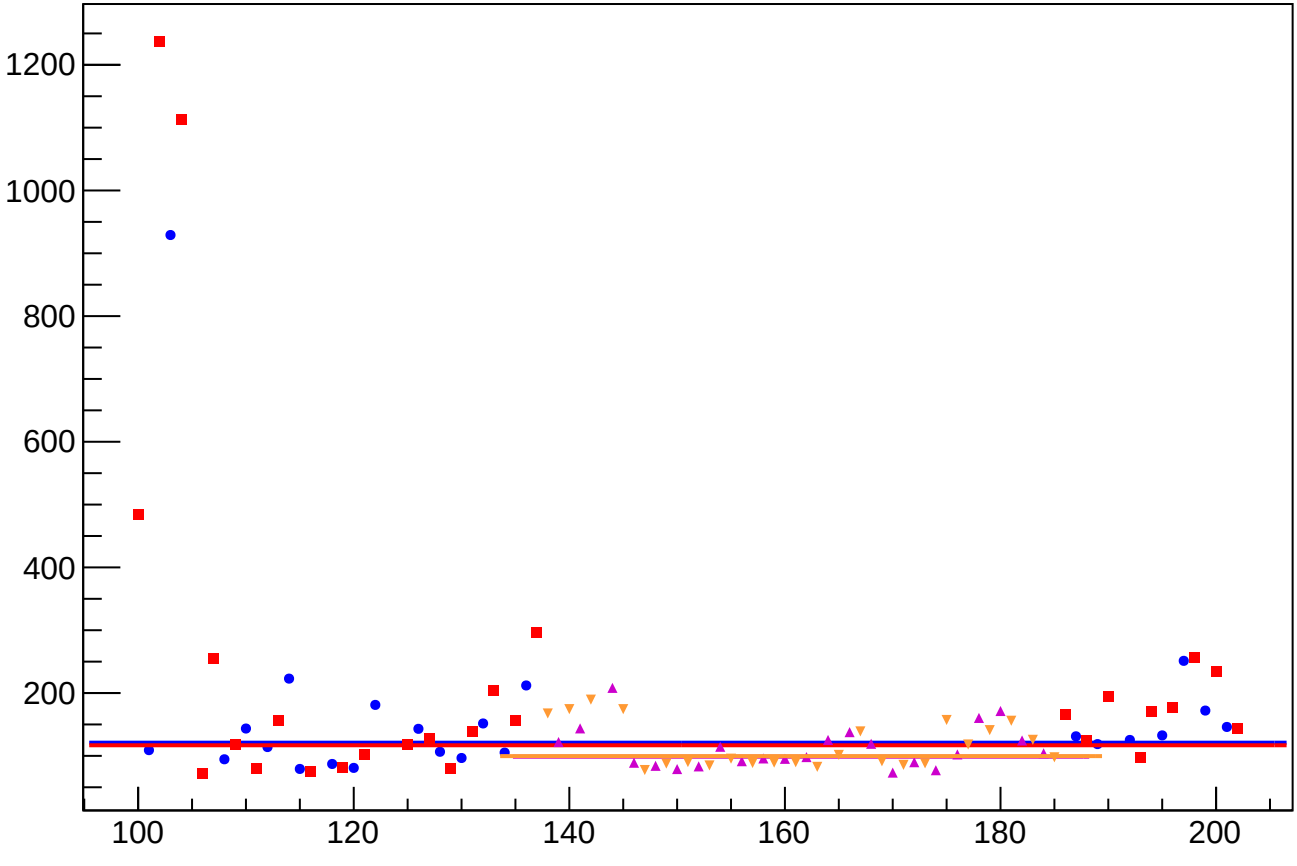
Right: -0.008+/-0.027 χ^2/NDF: 54.7/49

In: -0.026+/-0.021 χ^2/NDF:58.9/45

Out: -0.015+/-0.021 χ^2/NDF:55.0/50

All: -0.020+/-0.015 χ^2/NDF: 114.0/96

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.993+/-0.028 χ^2/NDF: 2444070.4/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 116.869+/-0.026 χ^2/NDF: 4342456.0/26

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

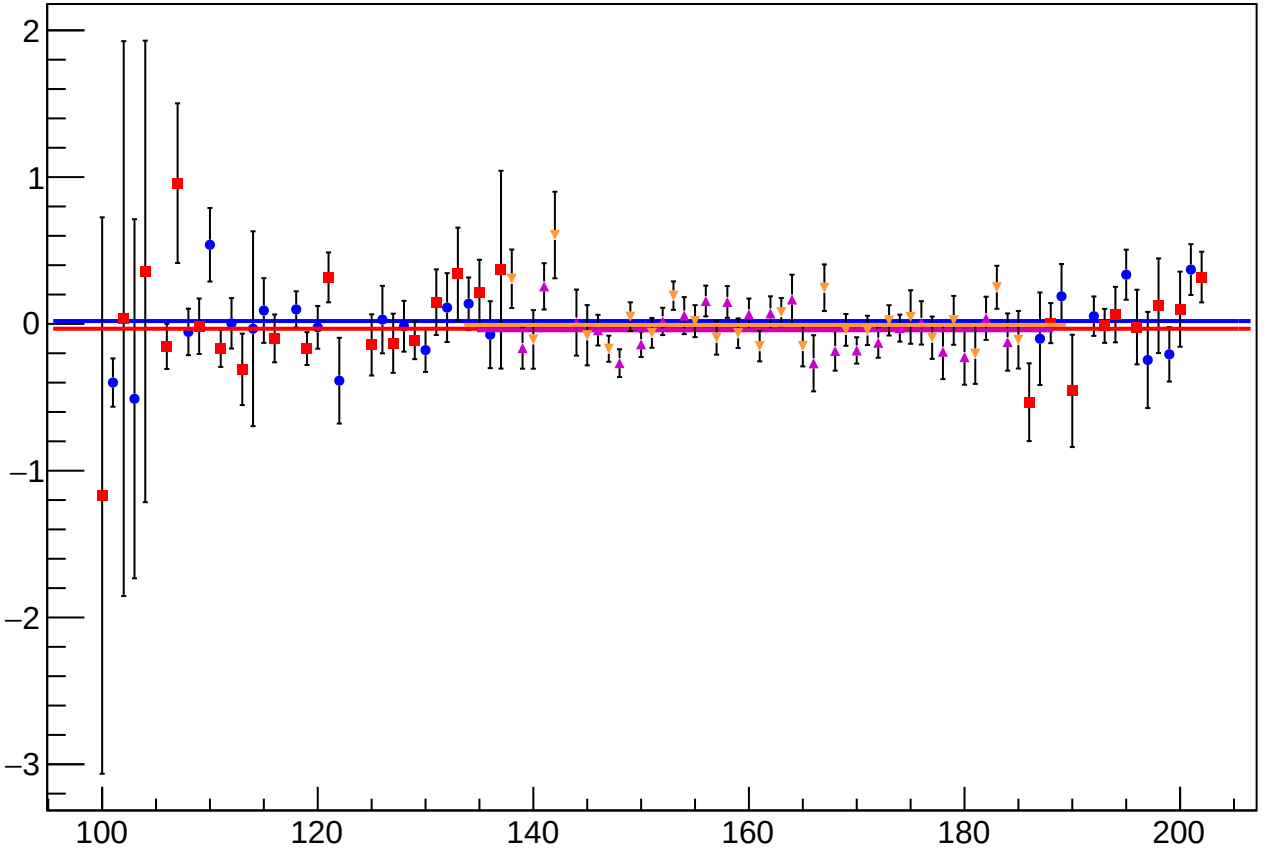
Right: 118.805+/-0.019 χ^2/NDF: 6797952.2/49

In: 105.021+/-0.015 χ^2/NDF:4898935.1/45

Out: 105.025+/-0.015 χ^2/NDF:6706326.4/50

All: 105.023+/-0.011 χ^2/NDF: 11605261.5/96

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.040 χ^2/NDF: 26.8/22

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

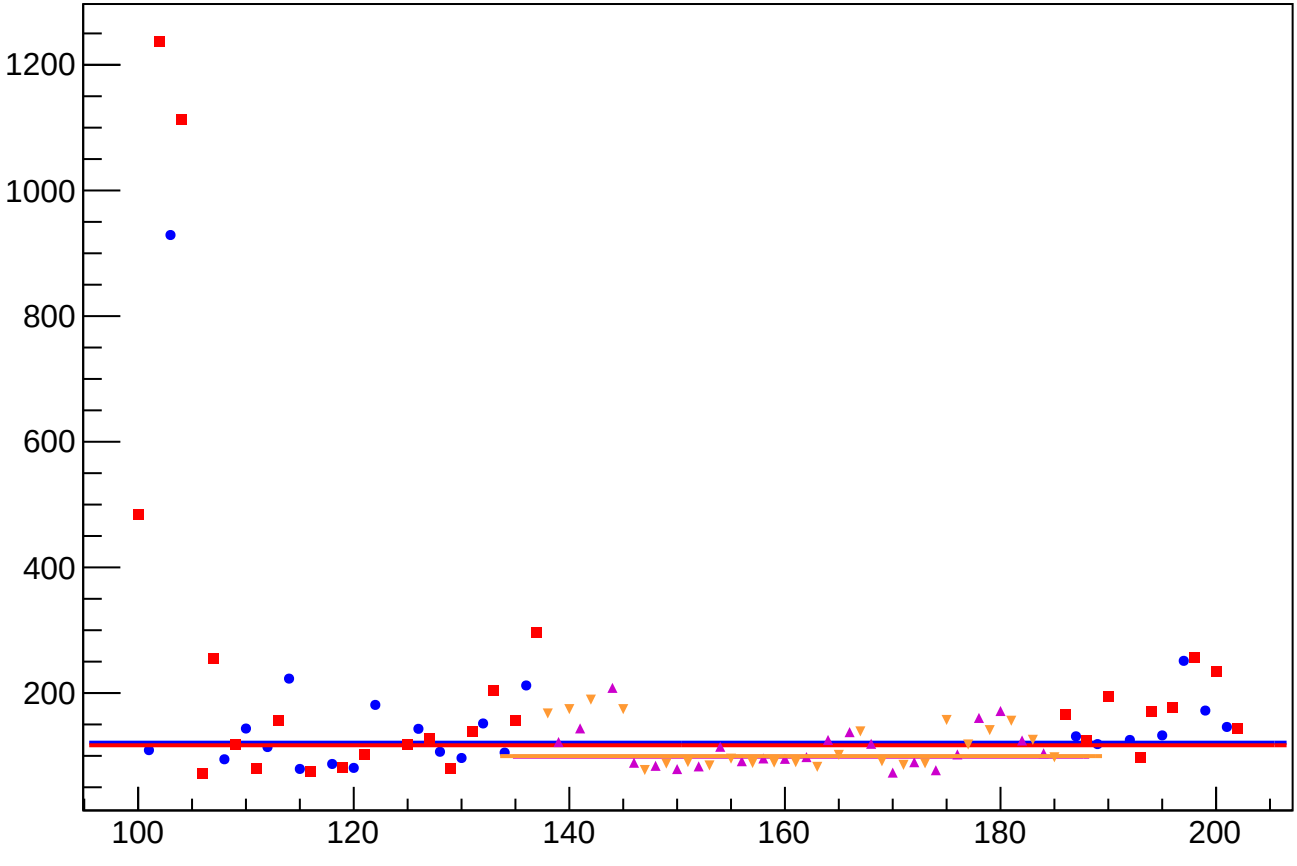
Right: -0.008+/-0.027 χ^2/NDF: 54.7/49

In: -0.026+/-0.021 χ^2/NDF:58.9/45

Out: -0.015+/-0.021 χ^2/NDF:55.0/50

All: -0.020+/-0.015 χ^2/NDF: 114.0/96

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.993+/-0.028 χ^2/NDF: 2444070.4/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 116.869+/-0.026 χ^2/NDF: 4342456.0/26

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

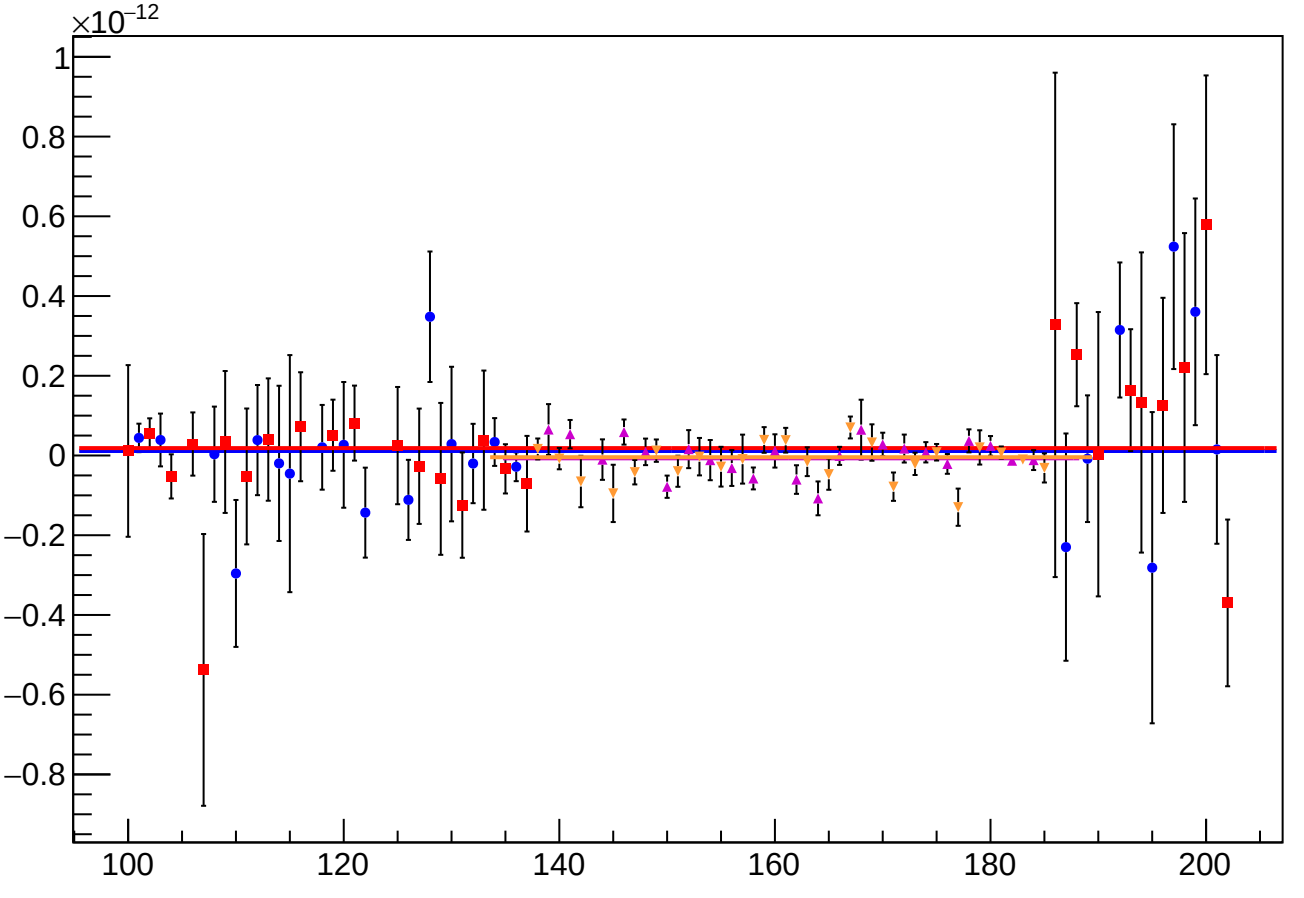
Right: 118.805+/-0.019 χ^2/NDF: 6797952.2/49

In: 105.021+/-0.015 χ^2/NDF:4898935.1/45

Out: 105.025+/-0.015 χ^2/NDF:6706326.4/50

All: 105.023+/-0.011 χ^2/NDF: 11605261.5/96

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/26

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

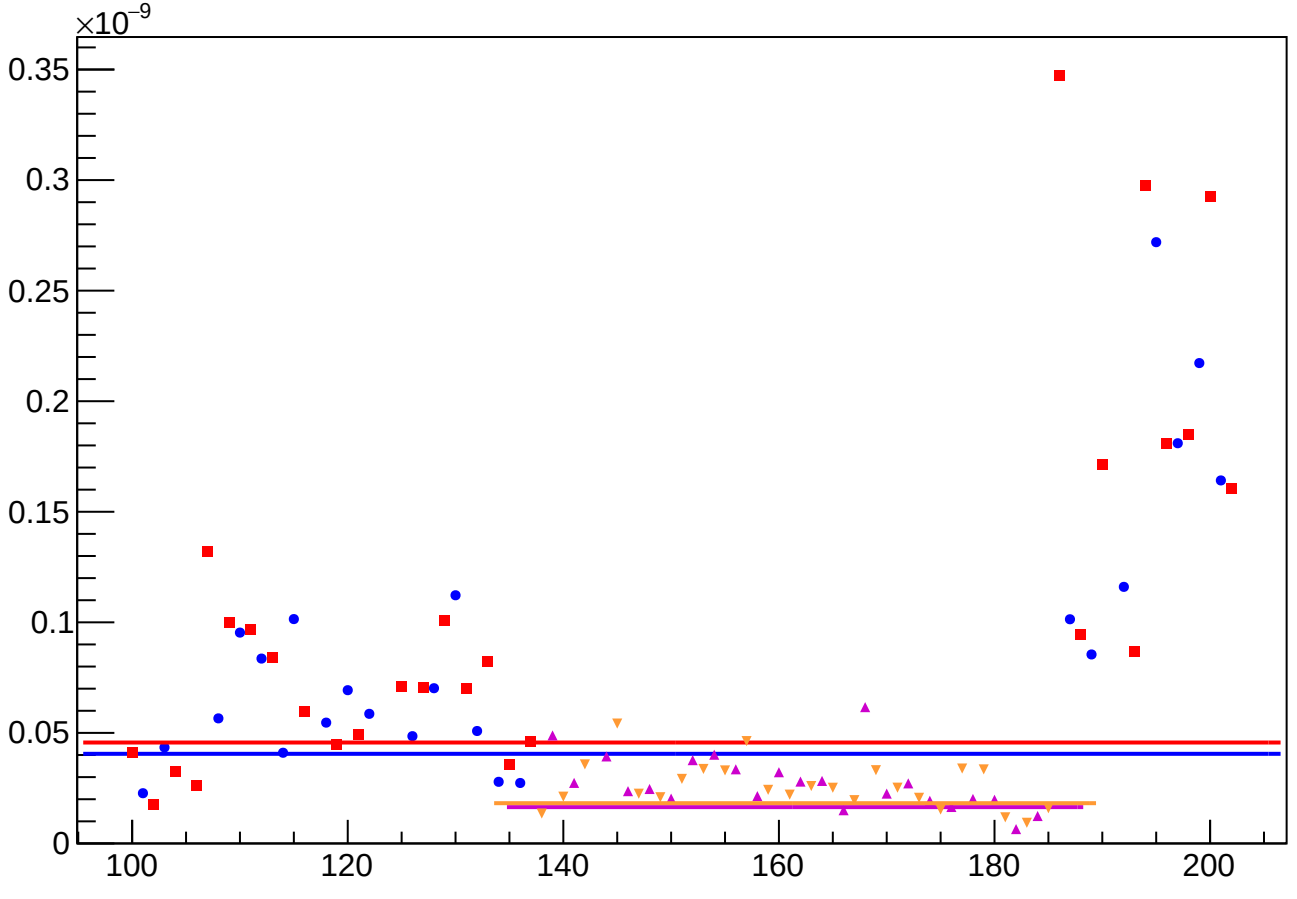
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

Right: 0.000+/-0.000 χ^2/NDF: 41.4/49

In: -0.000+/-0.000 χ^2/NDF:57.9/45

Out: -0.000+/-0.000 χ^2/NDF:53.7/50

All: -0.000+/-0.000 χ^2/NDF: 111.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 4963416.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6769045.2/26

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

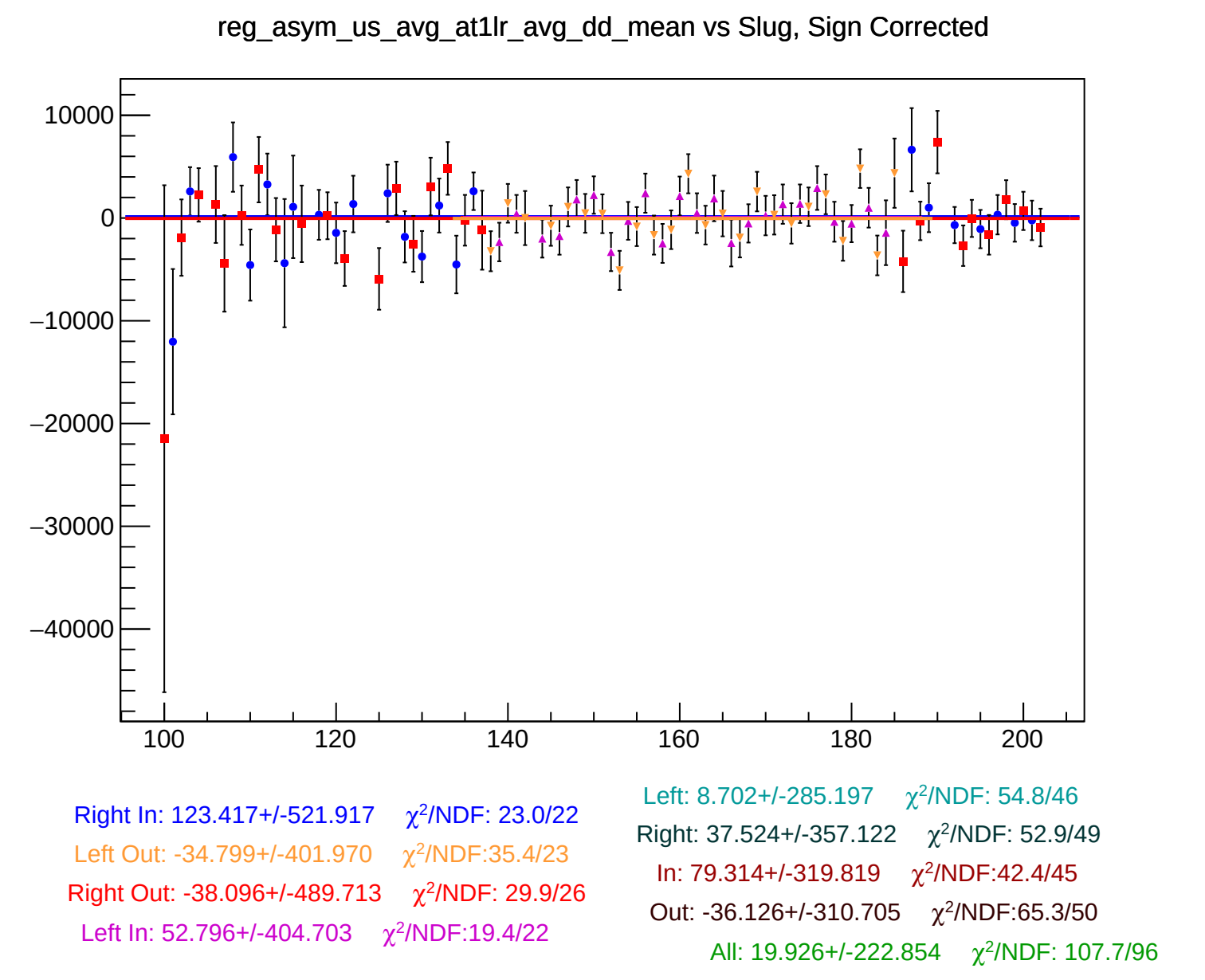
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

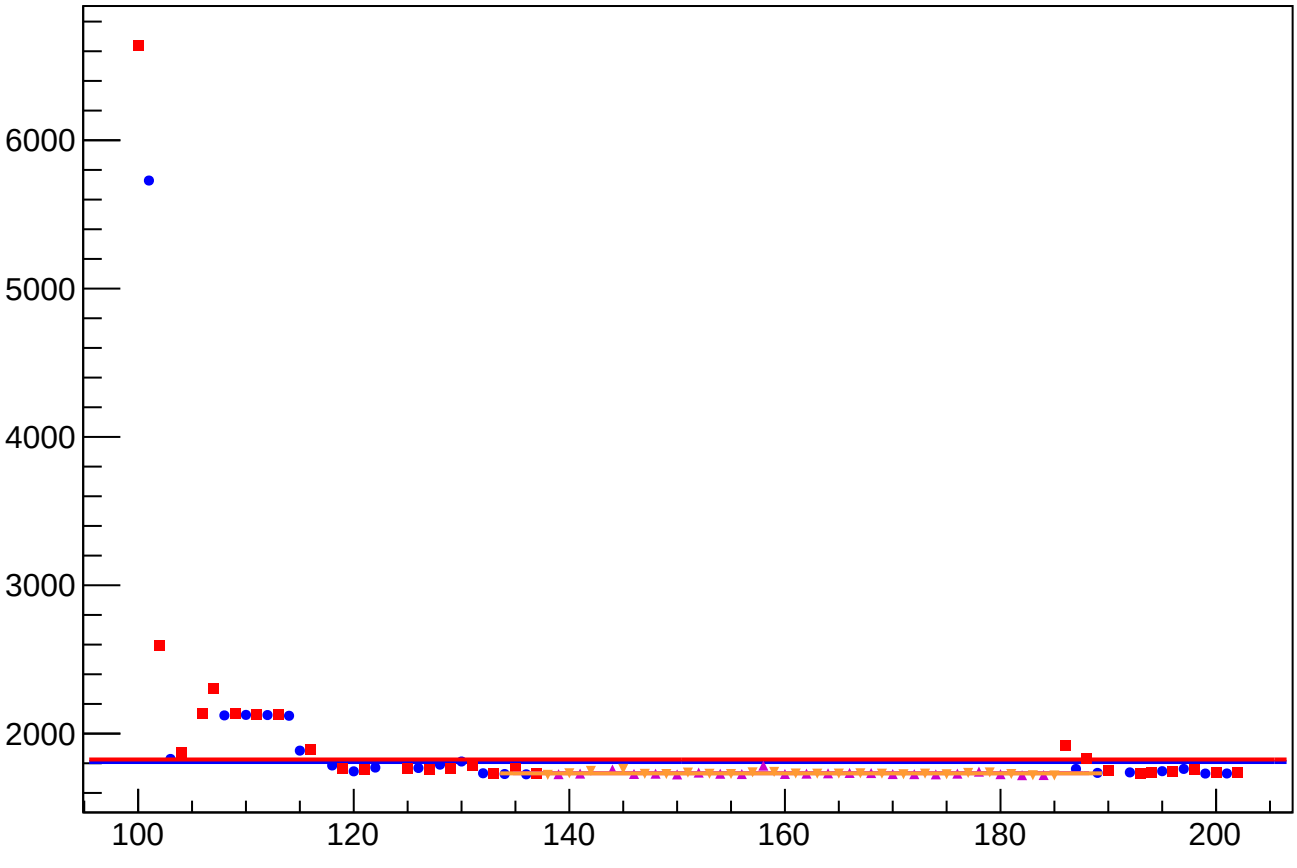
Right: 0.000+/-0.000 χ^2/NDF: 11799182.1/49

In: 0.000+/-0.000 χ^2/NDF:15029575.2/45

Out: 0.000+/-0.000 χ^2/NDF:14309151.2/50

All: 0.000+/-0.000 χ^2/NDF: 29461611.6/96


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 123.417+/-521.917 χ²/NDF: 23.0/22
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: -38.096+/-489.713 χ²/NDF: 29.9/26
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 37.524+/-357.122 χ²/NDF: 52.9/49
In: 79.314+/-319.819 χ²/NDF:42.4/45
Out: -36.126+/-310.705 χ²/NDF:65.3/50
All: 19.926+/-222.854 χ²/NDF: 107.7/96



Right In: 1808.420+/-0.369 χ^2/NDF: 701016.1/22

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1825.532+/-0.346 χ^2/NDF: 297725.4/26

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

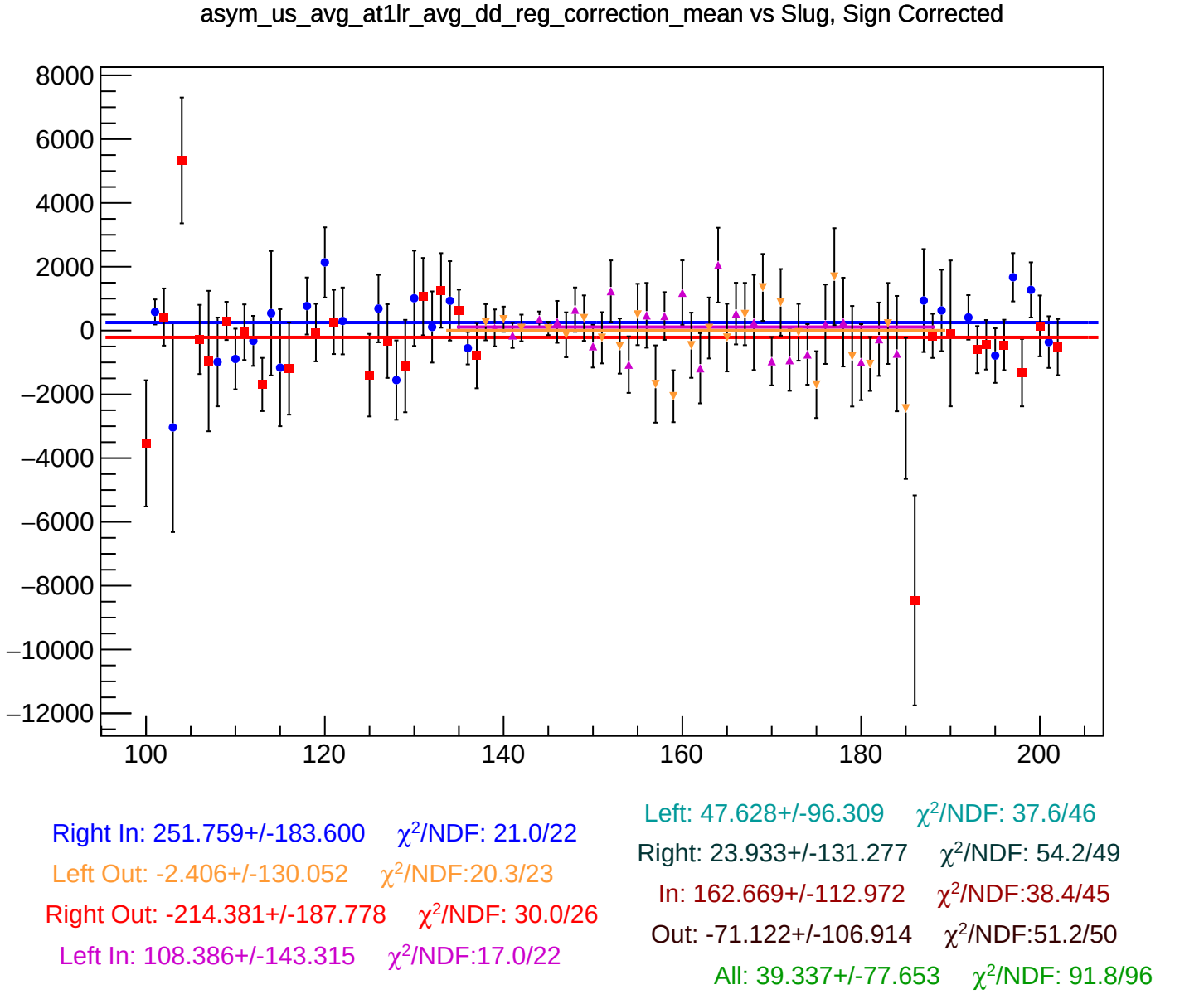
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1817.520+/-0.253 χ^2/NDF: 999884.8/49

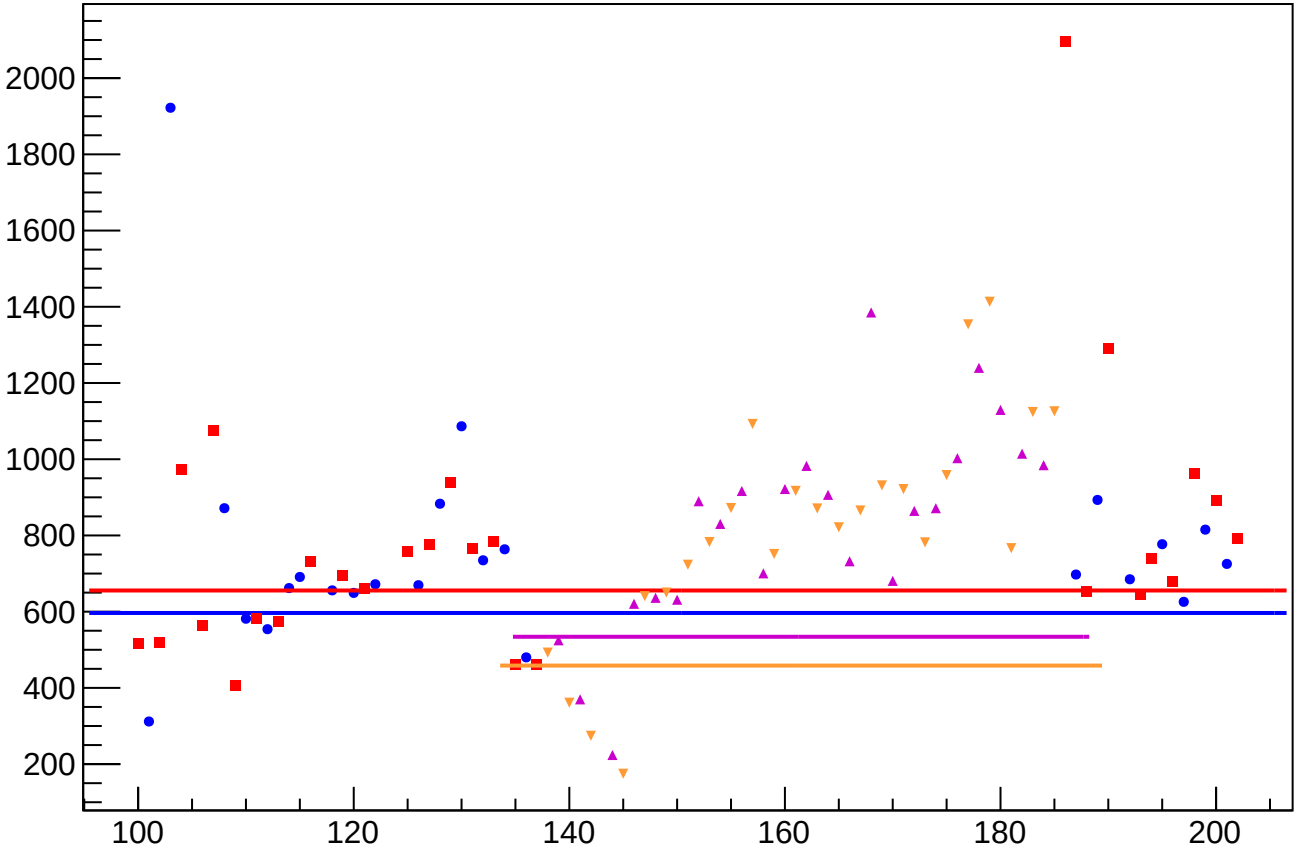
In: 1761.517+/-0.226 χ^2/NDF:729110.9/45

Out: 1769.642+/-0.220 χ^2/NDF:342265.3/50

All: 1765.697+/-0.158 χ^2/NDF: 1072040.3/96


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 251.759+/-183.600 χ²/NDF: 21.0/22
Left Out: -2.406+/-130.052 χ²/NDF:20.3/23
Right Out: -214.381+/-187.778 χ²/NDF: 30.0/26
Left In: 108.386+/-143.315 χ²/NDF:17.0/22
Left: 47.628+/-96.309 χ²/NDF: 37.6/46
Right: 23.933+/-131.277 χ²/NDF: 54.2/49
In: 162.669+/-112.972 χ²/NDF:38.4/45
Out: -71.122+/-106.914 χ²/NDF:51.2/50
All: 39.337+/-77.653 χ²/NDF: 91.8/96

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 596.604+/-0.130 χ^2/NDF: 2409874.5/22

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 655.604+/-0.133 χ^2/NDF: 1887229.7/26

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

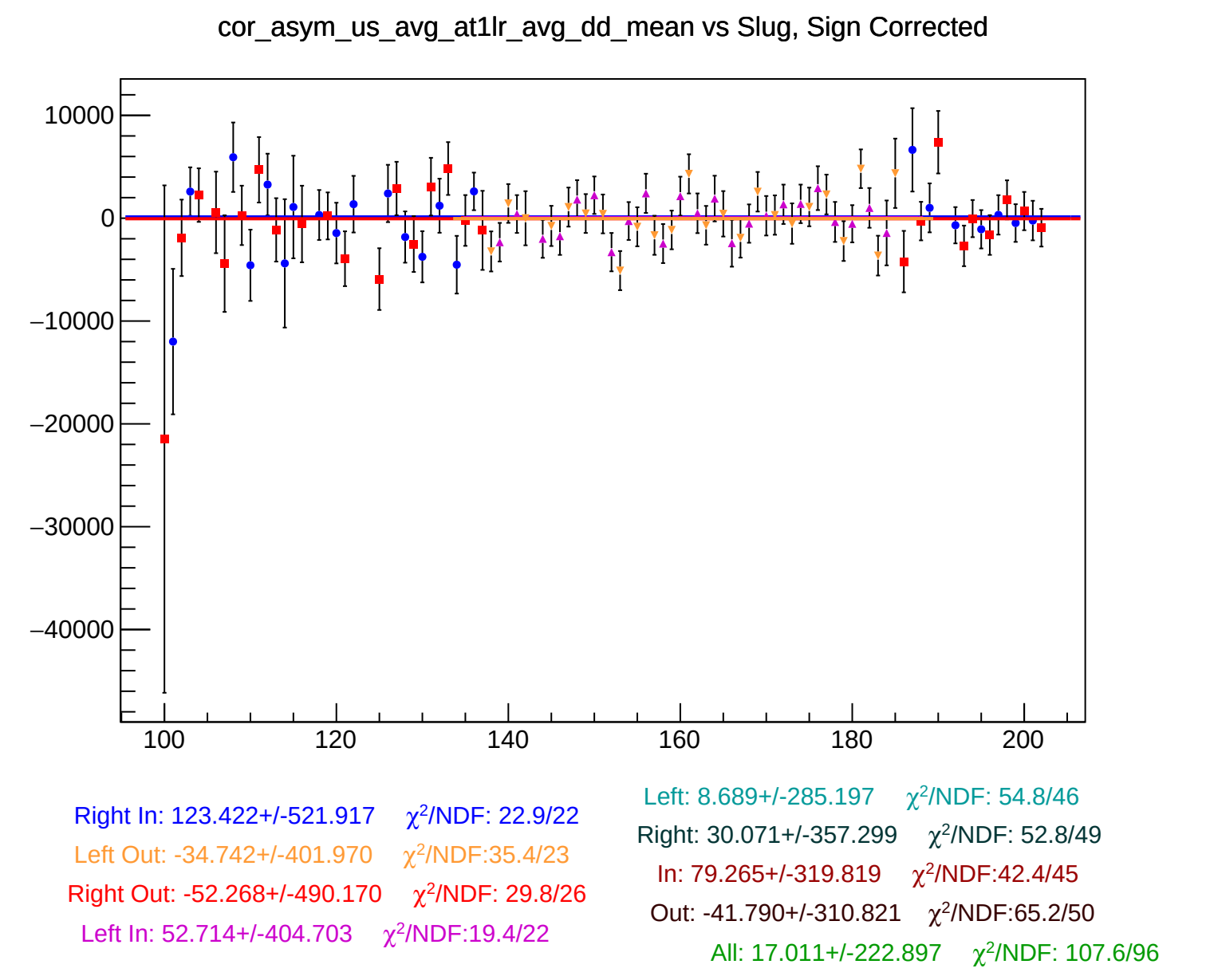
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

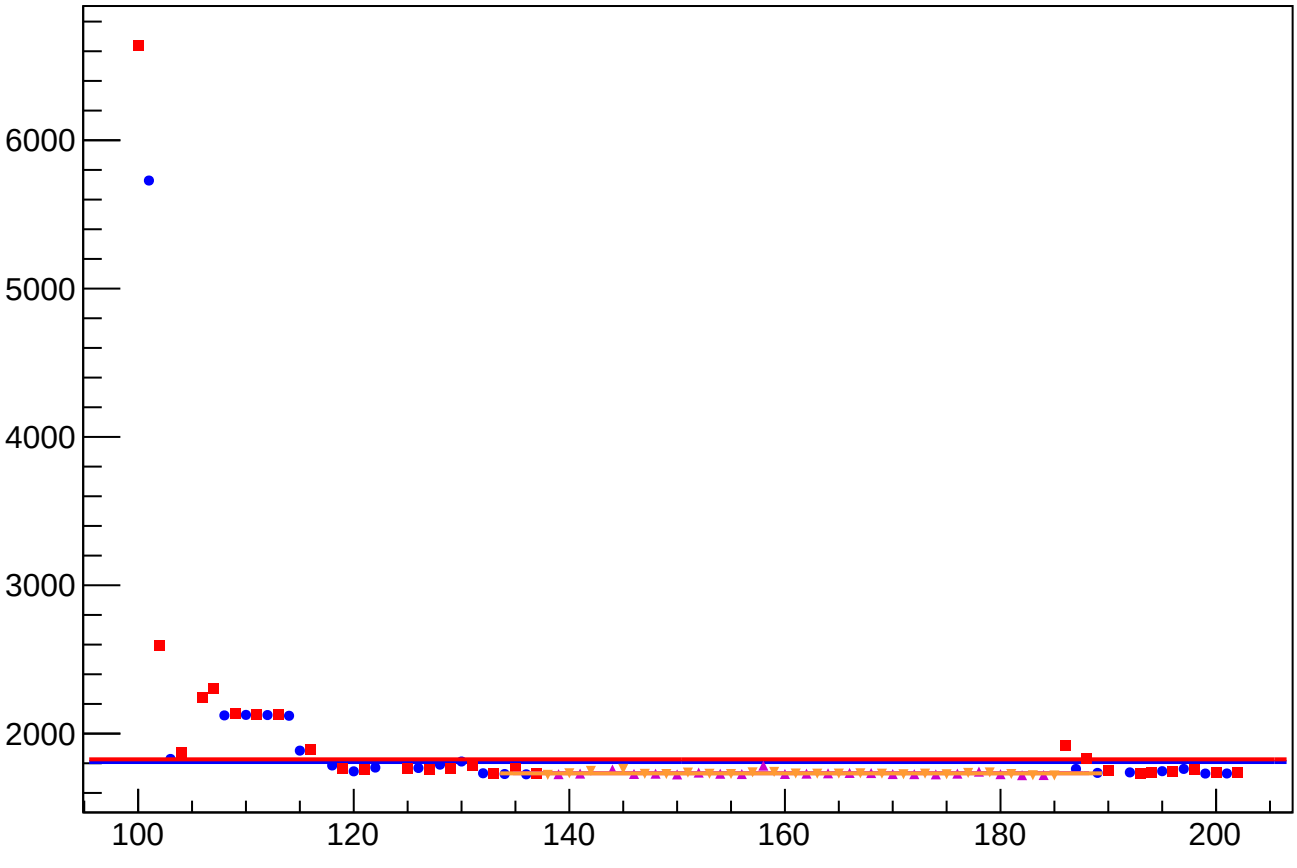
Right: 625.441+/-0.093 χ^2/NDF: 4398045.6/49

In: 557.803+/-0.080 χ^2/NDF:10996922.6/45

Out: 522.449+/-0.076 χ^2/NDF:14802014.0/50

All: 539.153+/-0.055 χ^2/NDF: 25902260.5/96


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 123.422+/-521.917 χ²/NDF: 22.9/22
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -52.268+/-490.170 χ²/NDF: 29.8/26
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 30.071+/-357.299 χ²/NDF: 52.8/49
In: 79.265+/-319.819 χ²/NDF:42.4/45
Out: -41.790+/-310.821 χ²/NDF:65.2/50
All: 17.011+/-222.897 χ²/NDF: 107.6/96



Right In: 1808.420+/-0.369 χ^2/NDF: 701016.0/22

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1826.558+/-0.347 χ^2/NDF: 305934.7/26

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

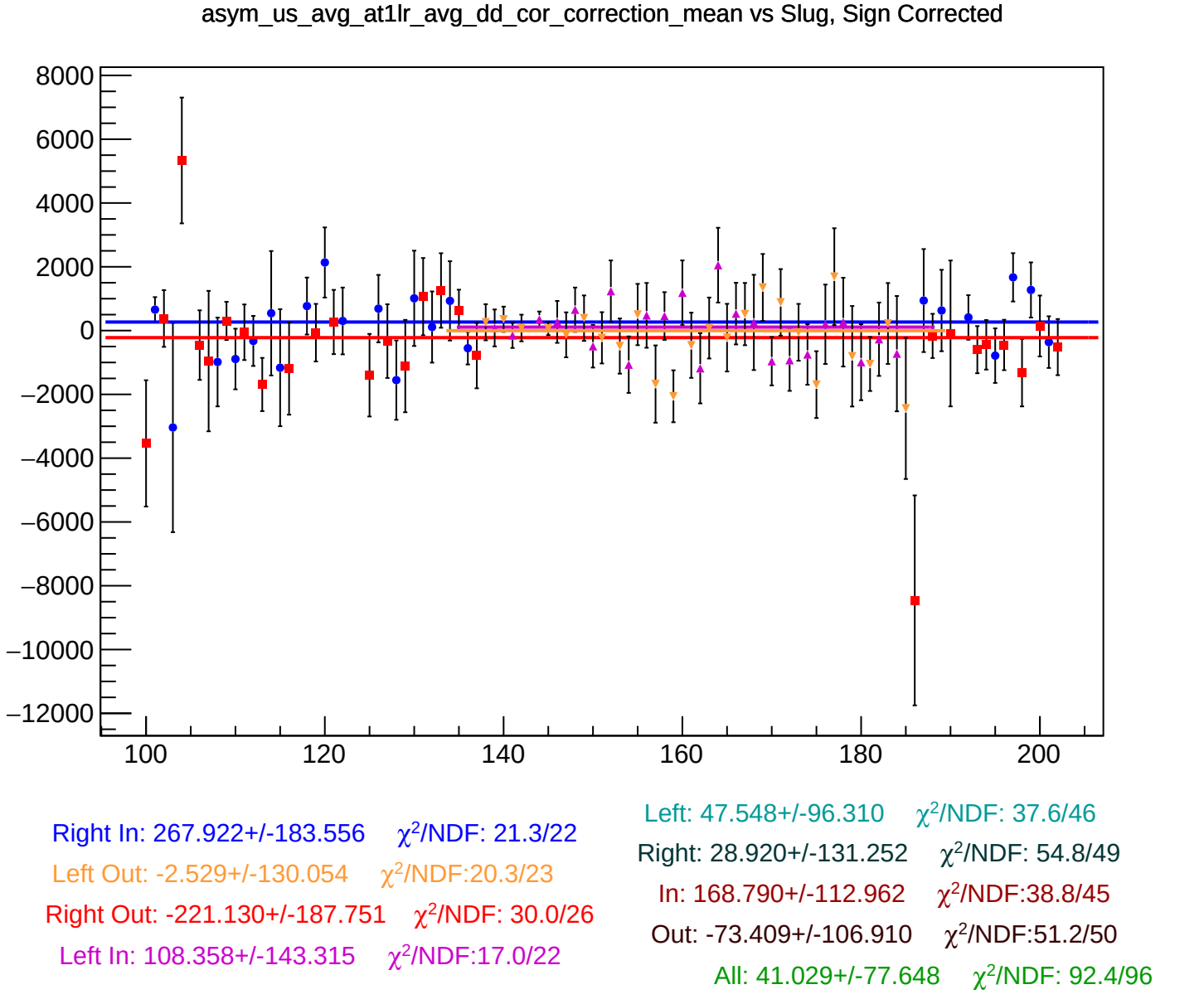
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1818.057+/-0.253 χ^2/NDF: 1008234.0/49

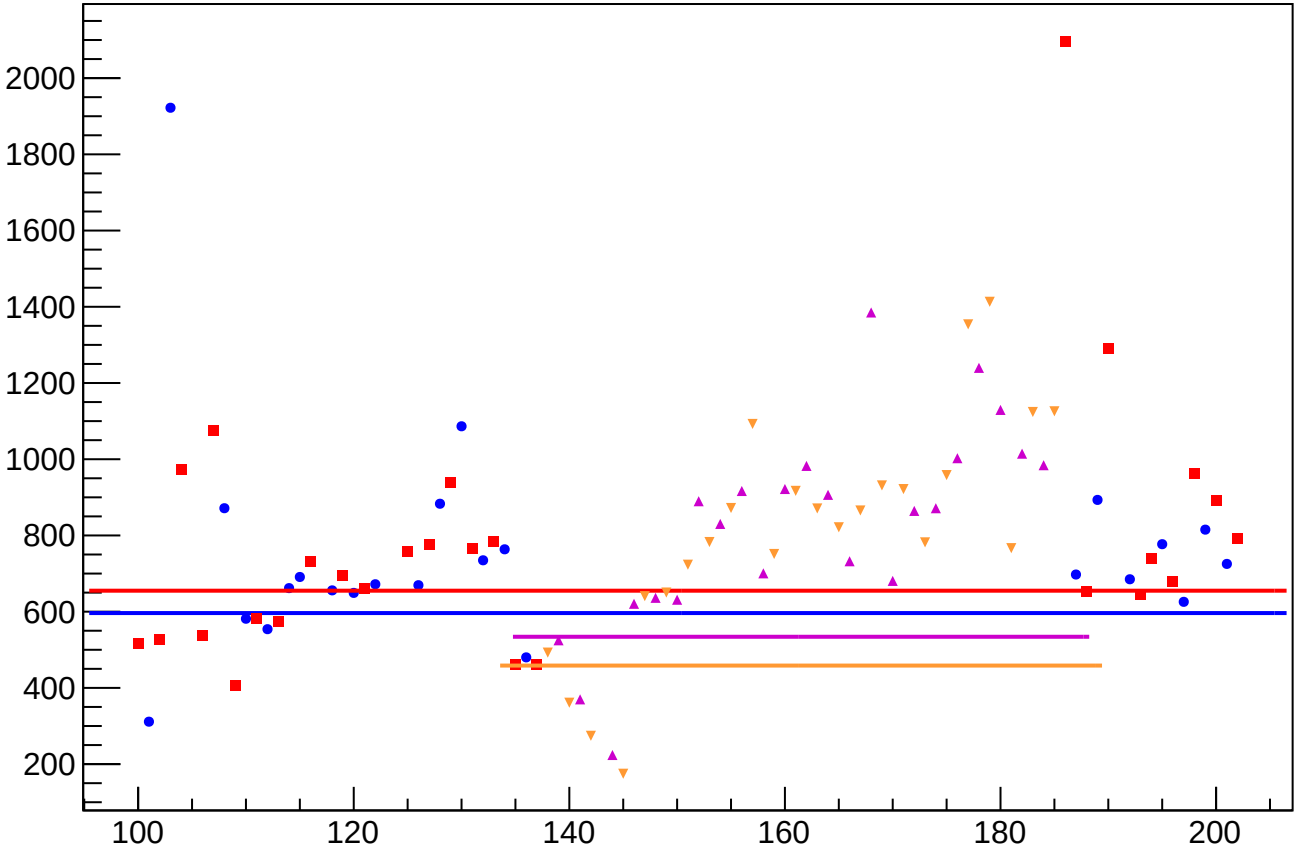
In: 1761.517+/-0.226 χ^2/NDF:729110.7/45

Out: 1770.012+/-0.220 χ^2/NDF:351386.1/50

All: 1765.886+/-0.158 χ^2/NDF: 1081222.6/96


asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 267.922+/-183.556 χ²/NDF: 21.3/22
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -221.130+/-187.751 χ²/NDF: 30.0/26
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 28.920+/-131.252 χ²/NDF: 54.8/49
In: 168.790+/-112.962 χ²/NDF:38.8/45
Out: -73.409+/-106.910 χ²/NDF:51.2/50
All: 41.029+/-77.648 χ²/NDF: 92.4/96

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 596.360+/-0.130 χ^2/NDF: 2415819.2/22

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 655.051+/-0.133 χ^2/NDF: 1892587.8/26

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

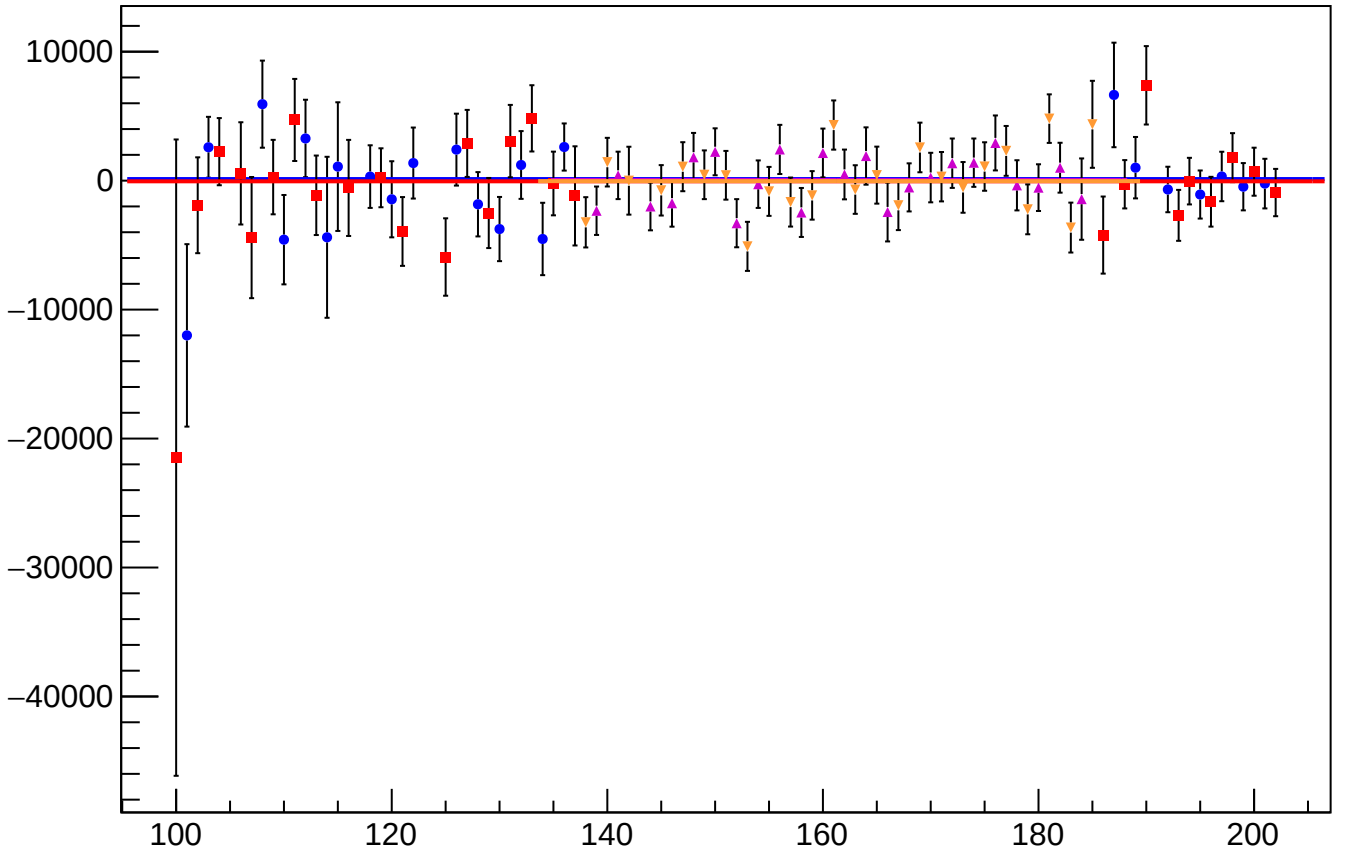
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 625.042+/-0.093 χ^2/NDF: 4408335.9/49

In: 557.722+/-0.080 χ^2/NDF:11001268.3/45

Out: 522.291+/-0.076 χ^2/NDF:14798742.2/50

All: 539.032+/-0.055 χ^2/NDF: 25903802.5/96



Right In: 123.422+/-521.917 χ^2/NDF: 22.9/22

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -52.268+/-490.170 χ^2/NDF: 29.8/26

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

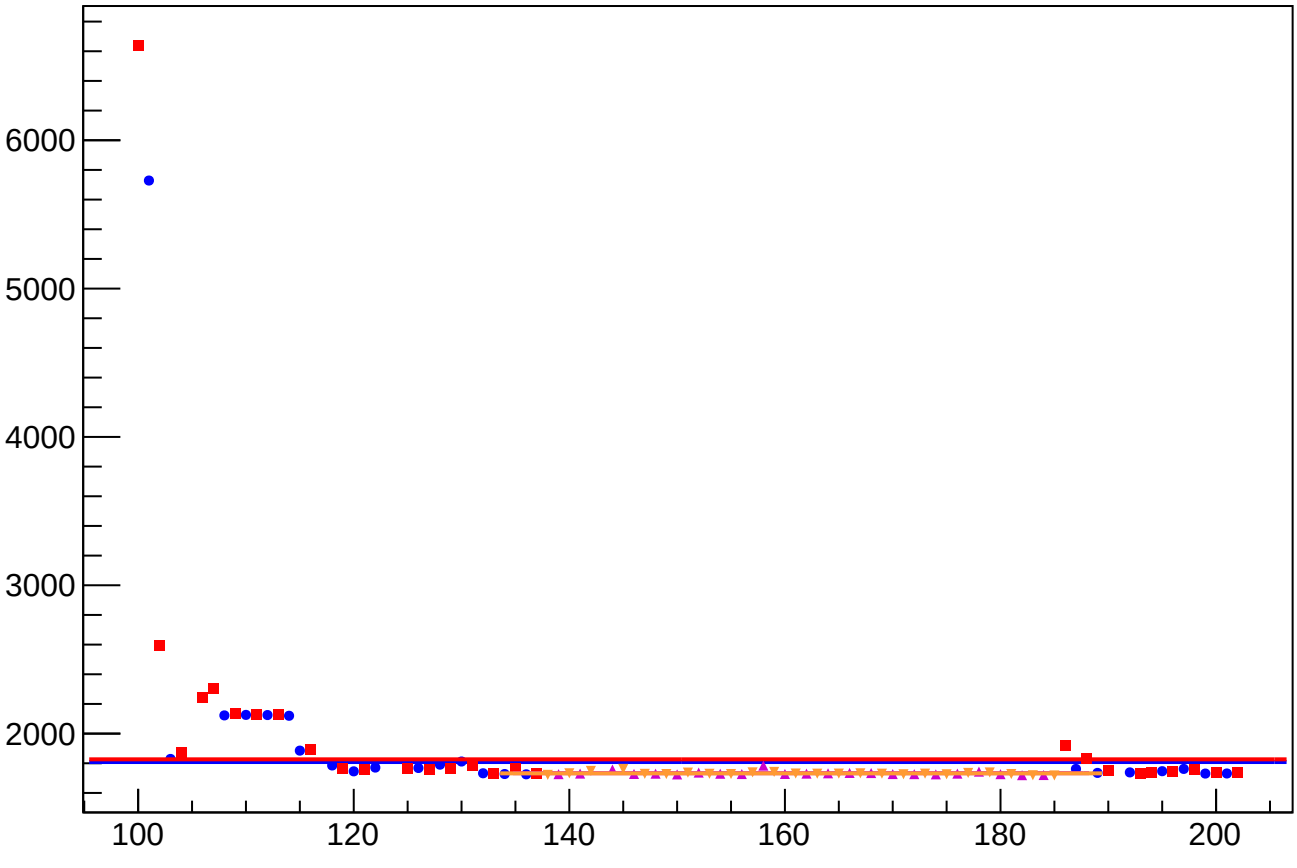
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 30.071+/-357.299 χ^2/NDF: 52.8/49

In: 79.265+/-319.819 χ^2/NDF:42.4/45

Out: -41.790+/-310.821 χ^2/NDF:65.2/50

All: 17.011+/-222.897 χ^2/NDF: 107.6/96



Right In: 1808.420+/-0.369 χ^2/NDF: 701016.0/22

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1826.558+/-0.347 χ^2/NDF: 305934.7/26

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

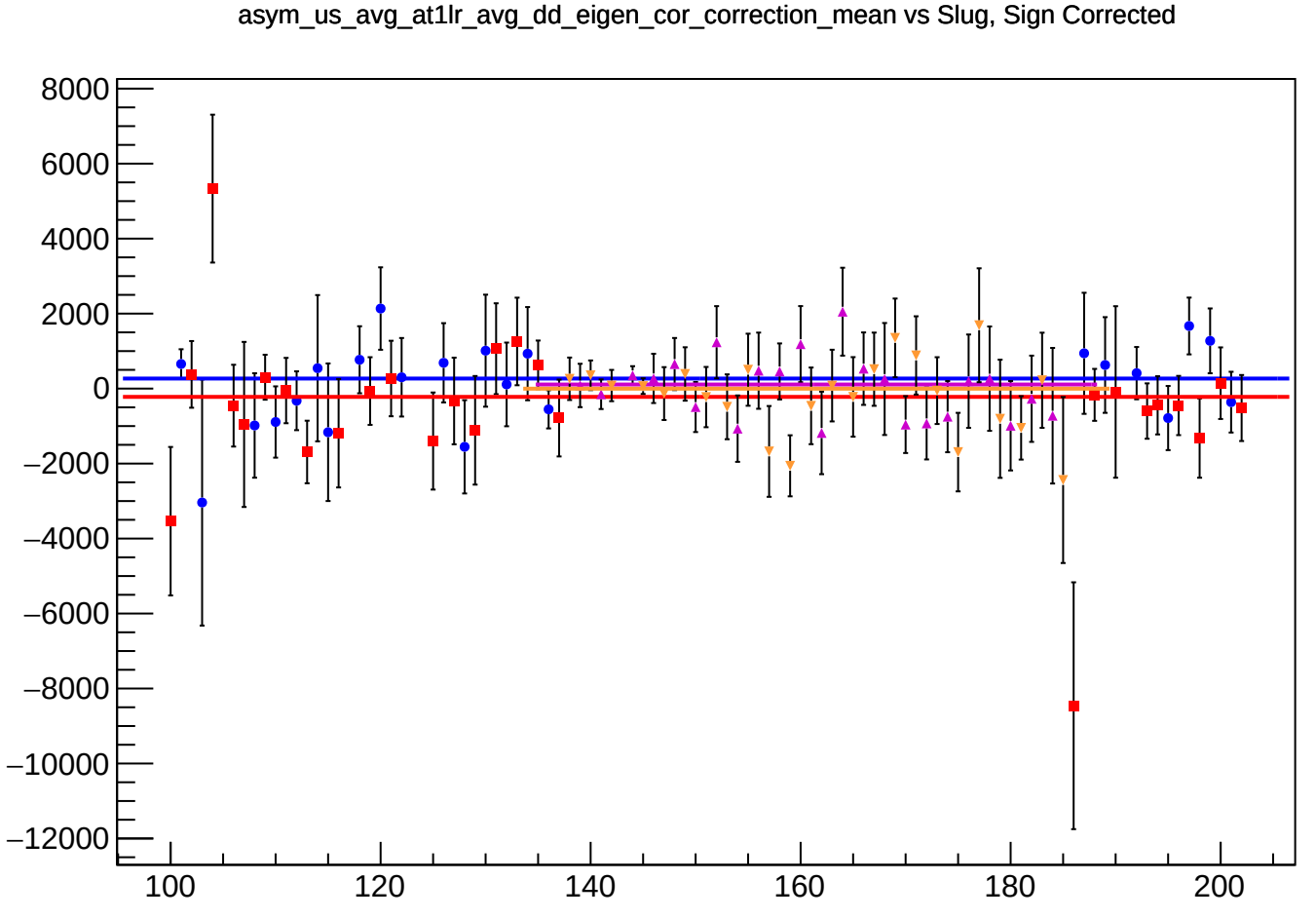
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1818.057+/-0.253 χ^2/NDF: 1008234.0/49

In: 1761.517+/-0.226 χ^2/NDF:729110.7/45

Out: 1770.012+/-0.220 χ^2/NDF:351386.1/50

All: 1765.886+/-0.158 χ^2/NDF: 1081222.6/96



Right In: 267.922+/-183.556 χ^2/NDF: 21.3/22

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -221.130+/-187.751 χ^2/NDF: 30.0/26

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

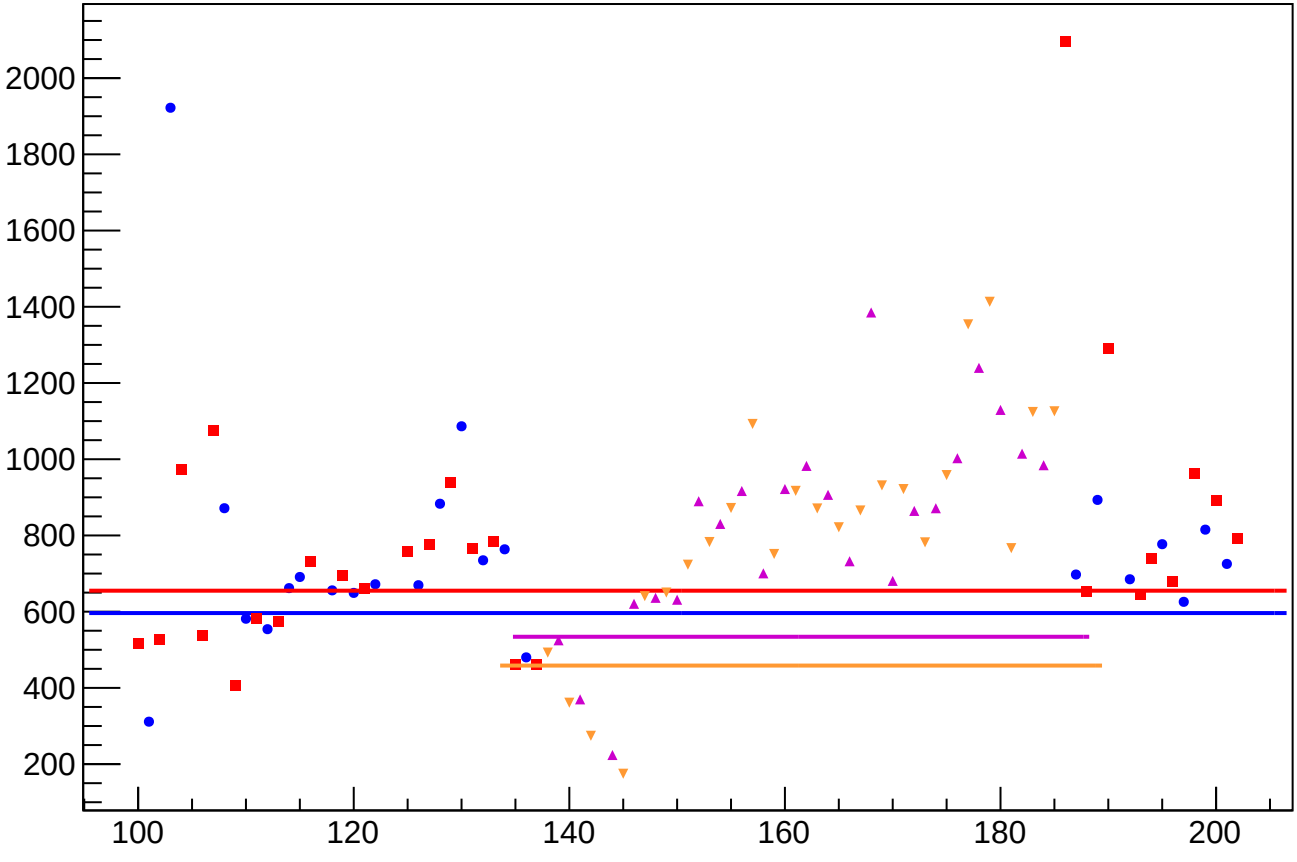
Right: 28.920+/-131.252 χ^2/NDF: 54.8/49

In: 168.790+/-112.962 χ^2/NDF:38.8/45

Out: -73.409+/-106.910 χ^2/NDF:51.2/50

All: 41.029+/-77.648 χ^2/NDF: 92.4/96

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 596.360+/-0.130 χ^2/NDF: 2415819.2/22

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 655.051+/-0.133 χ^2/NDF: 1892587.8/26

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

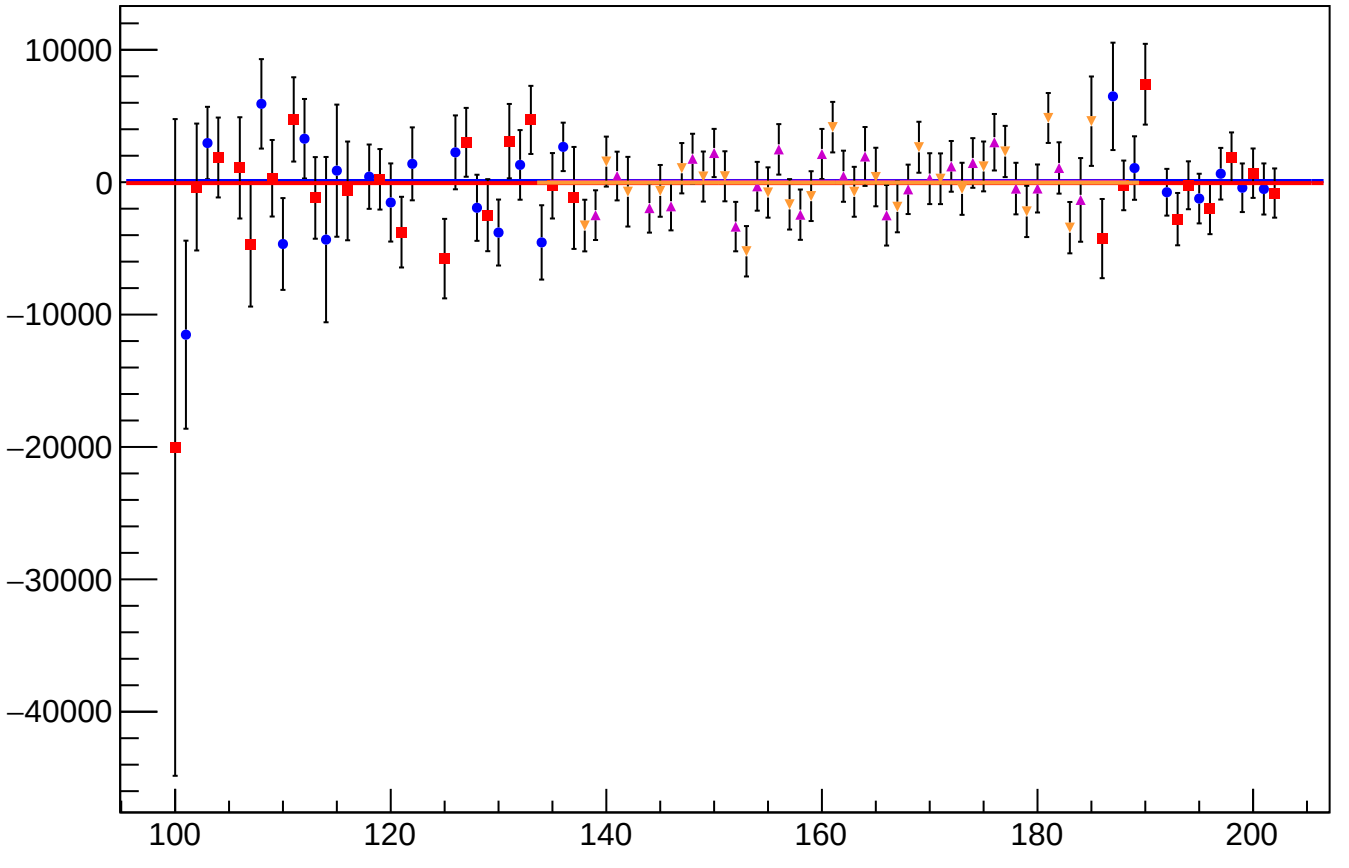
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 625.042+/-0.093 χ^2/NDF: 4408335.9/49

In: 557.722+/-0.080 χ^2/NDF:11001268.3/45

Out: 522.291+/-0.076 χ^2/NDF:14798742.2/50

All: 539.032+/-0.055 χ^2/NDF: 25903802.5/96



Right In: 91.545+/-526.741 χ^2/NDF: 23.1/22

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -68.953+/-495.484 χ^2/NDF: 29.3/26

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

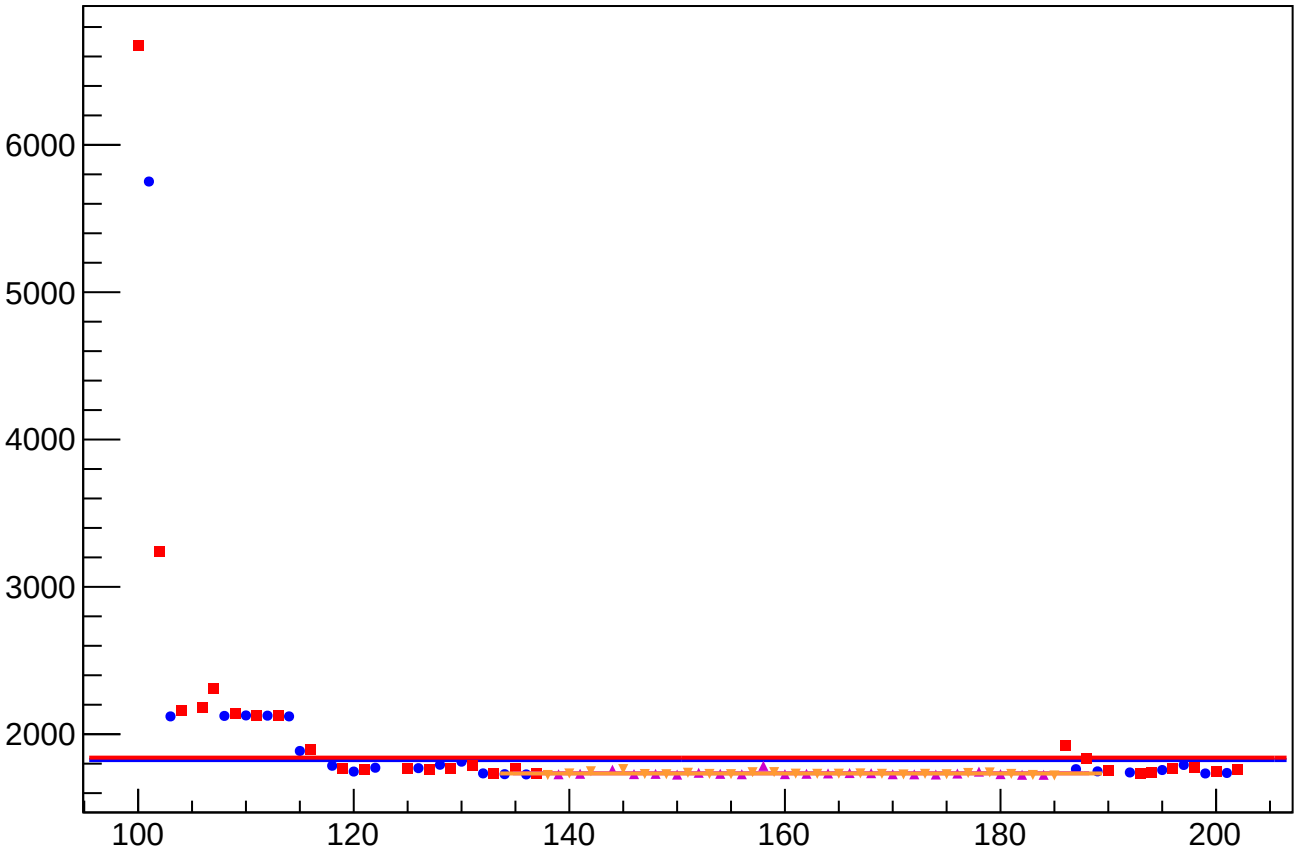
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 6.393+/-360.904 χ^2/NDF: 52.4/49

In: 60.703+/-321.093 χ^2/NDF:43.0/45

Out: -45.109+/-312.325 χ^2/NDF:64.7/50

All: 6.332+/-223.883 χ^2/NDF: 107.7/96



Right In: 1824.205+/-0.372 χ^2/NDF: 724035.7/22

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1840.937+/-0.350 χ^2/NDF: 405725.7/26

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

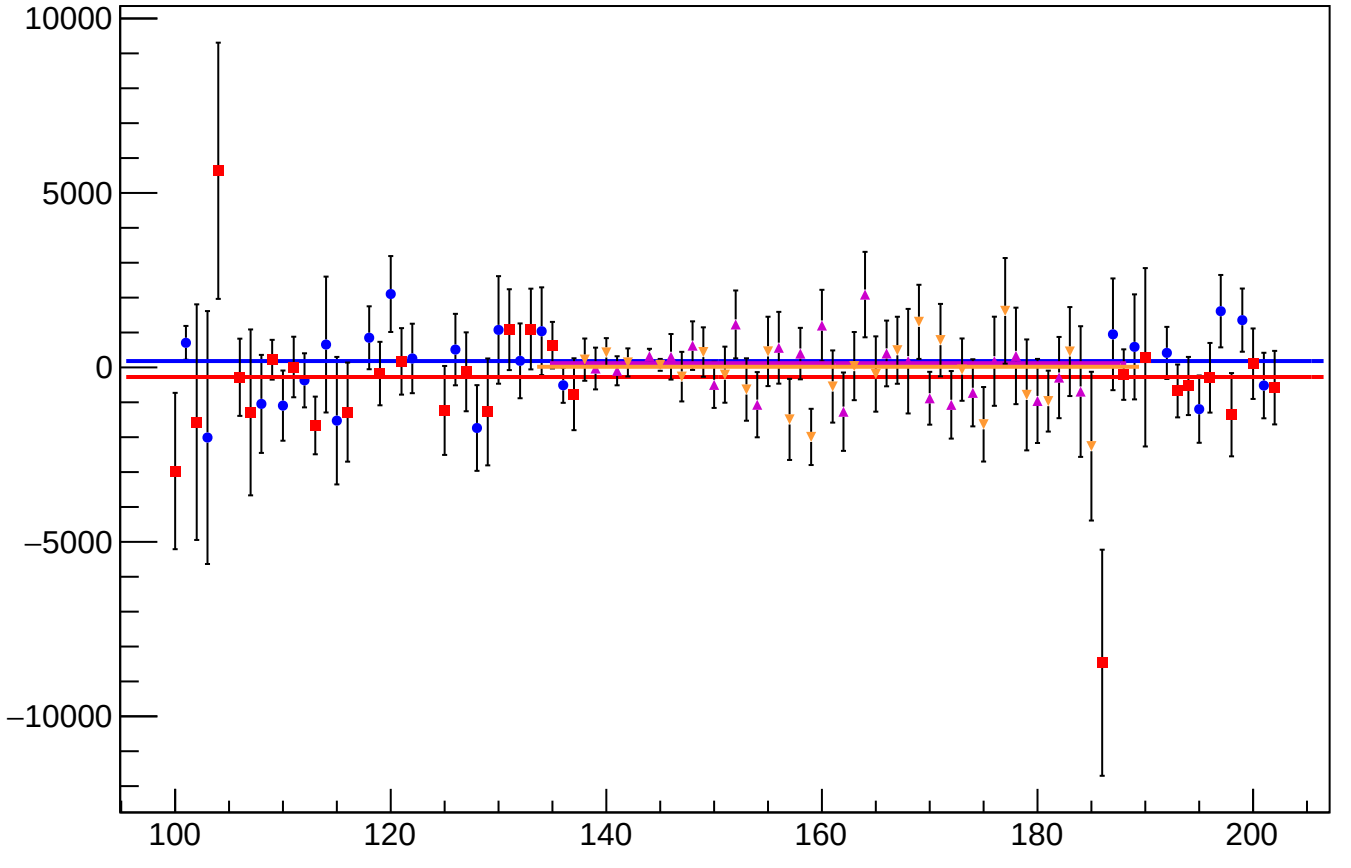
Right: 1833.082+/-0.255 χ^2/NDF: 1130832.1/49

In: 1768.028+/-0.227 χ^2/NDF:762410.7/45

Out: 1776.175+/-0.221 χ^2/NDF:463320.2/50

All: 1772.215+/-0.158 χ^2/NDF: 1226392.5/96

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 182.105+/-197.588 χ^2/NDF: 20.8/22

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -275.094+/-198.182 χ^2/NDF: 22.5/26

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

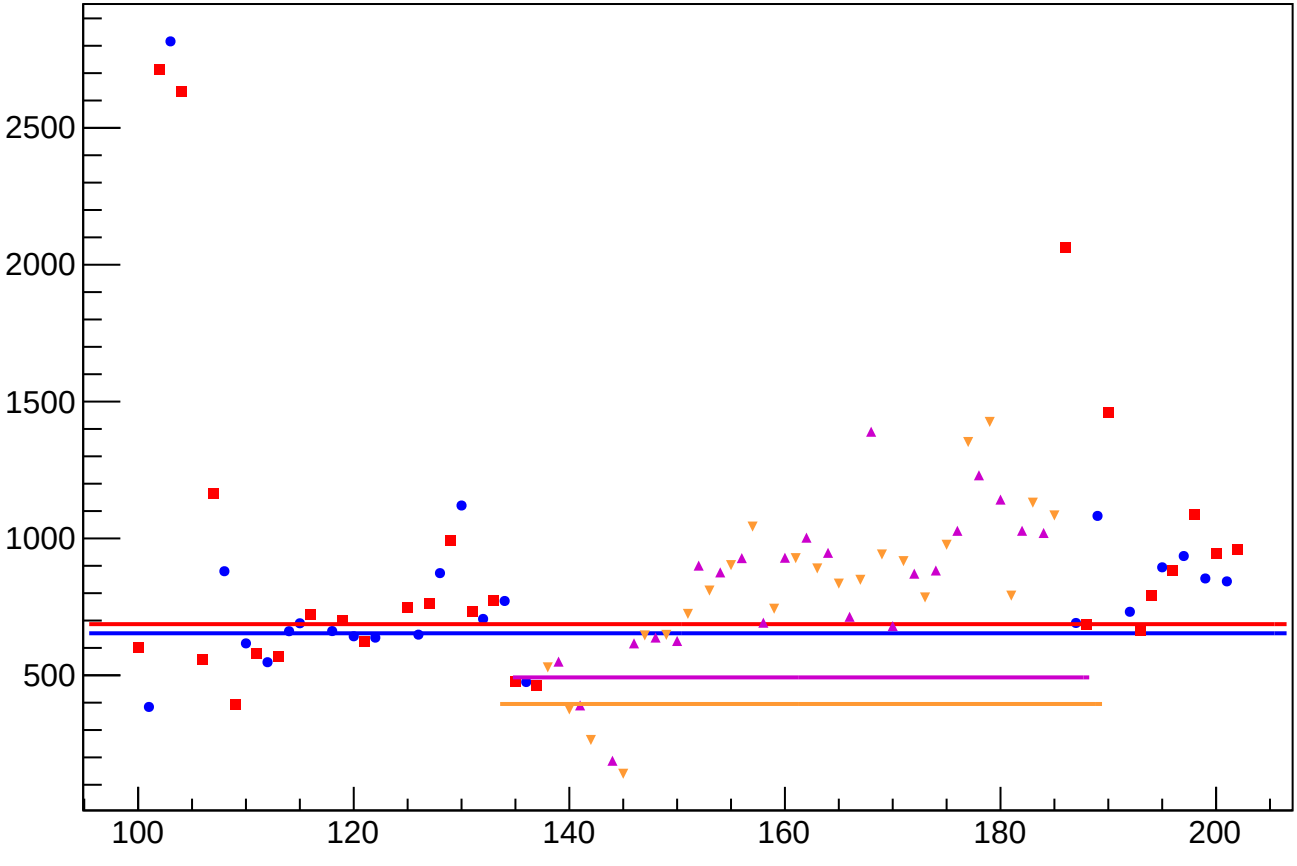
Right: -45.809+/-139.925 χ^2/NDF: 46.1/49

In: 141.344+/-112.668 χ^2/NDF:37.4/45

Out: -59.971+/-102.231 χ^2/NDF:43.6/50

All: 30.932+/-75.710 χ^2/NDF: 82.7/96

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 653.475+/-0.140 χ^2/NDF: 2581317.5/22

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 686.858+/-0.140 χ^2/NDF: 3556154.2/26

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

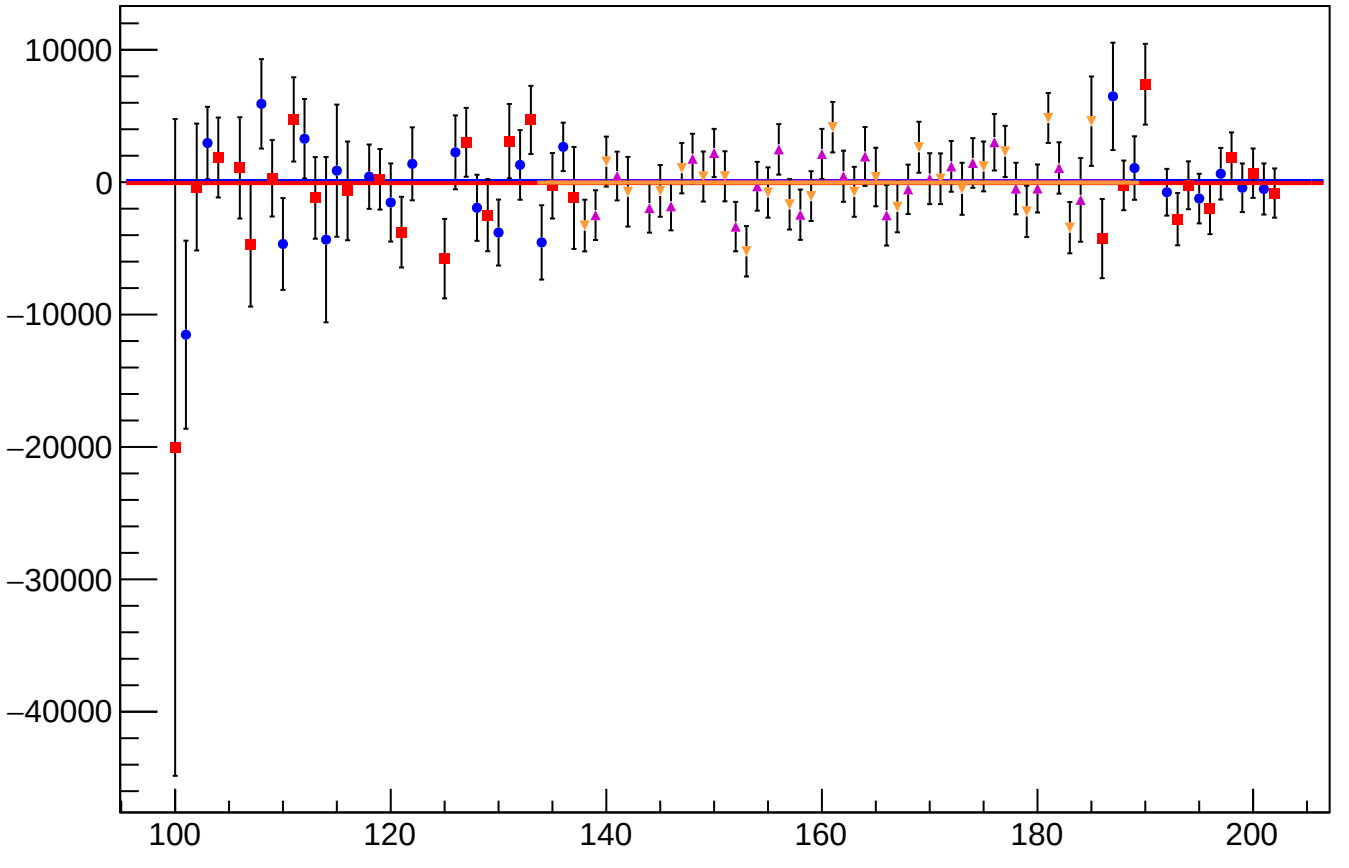
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 670.116+/-0.099 χ^2/NDF: 6165930.7/49

In: 544.702+/-0.080 χ^2/NDF:13898957.5/45

Out: 472.800+/-0.072 χ^2/NDF:21069831.5/50

All: 505.267+/-0.054 χ^2/NDF: 35415524.1/96



Right In: 91.544+/-526.741 χ^2/NDF: 23.1/22

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -68.953+/-495.484 χ^2/NDF: 29.3/26

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

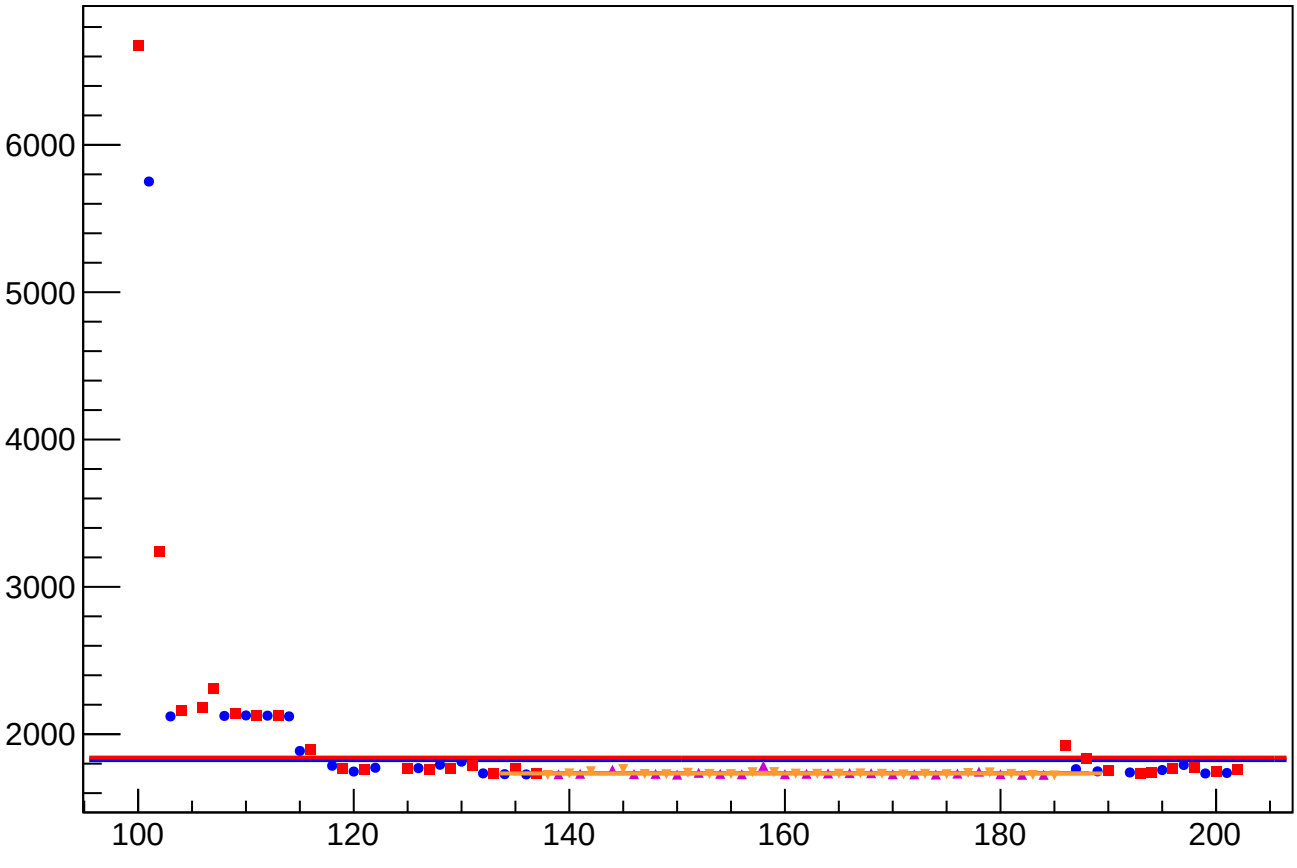
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 6.392+/-360.904 χ^2/NDF: 52.4/49

In: 60.702+/-321.093 χ^2/NDF:43.0/45

Out: -45.111+/-312.325 χ^2/NDF:64.7/50

All: 6.331+/-223.883 χ^2/NDF: 107.7/96



Right In: 1824.204+/-0.372 χ^2/NDF: 724035.3/22

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1840.937+/-0.350 χ^2/NDF: 405724.8/26

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

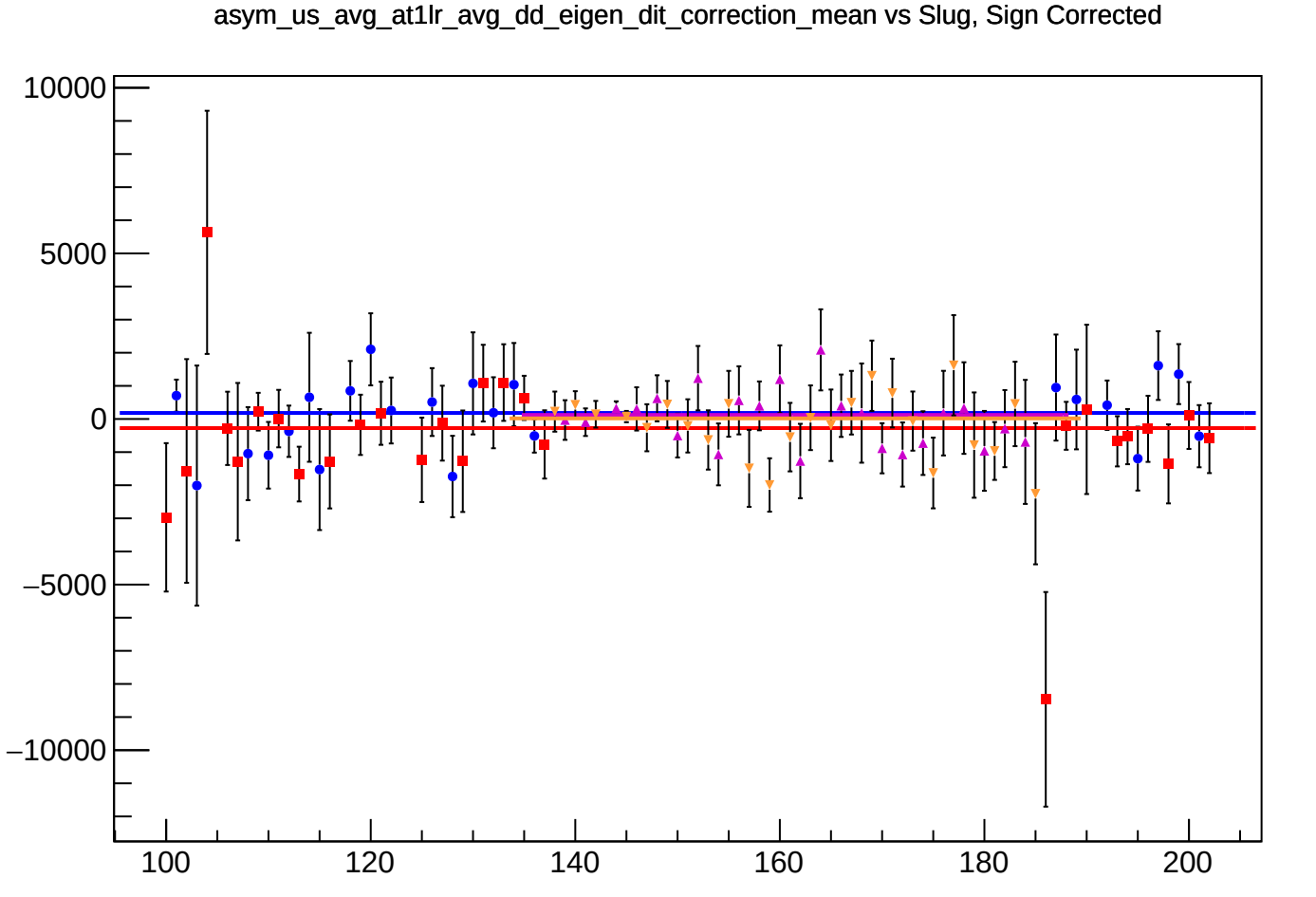
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1833.082+/-0.255 χ^2/NDF: 1130830.8/49

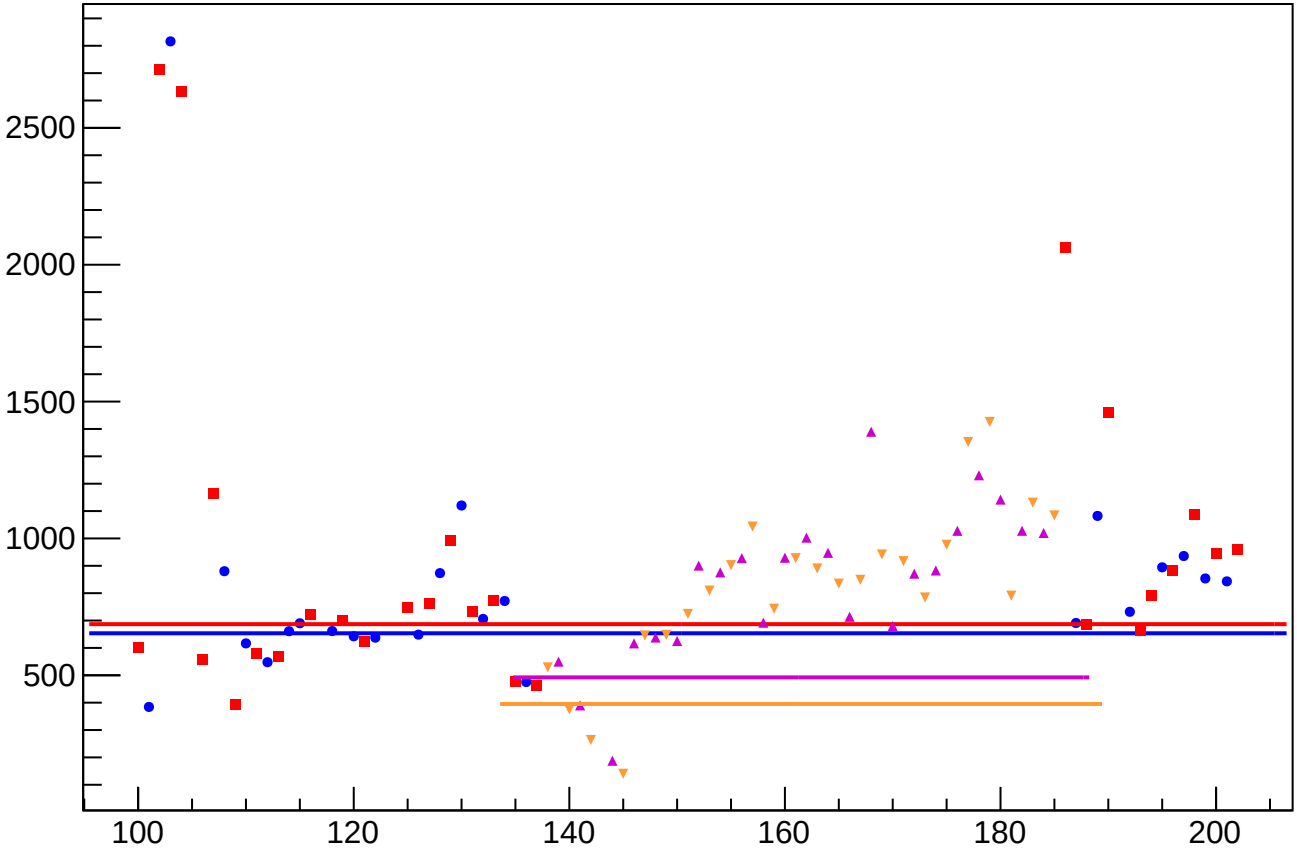
In: 1768.028+/-0.227 χ^2/NDF:762410.3/45

Out: 1776.175+/-0.221 χ^2/NDF:463319.3/50

All: 1772.215+/-0.158 χ^2/NDF: 1226391.2/96


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
Right In: 182.103+/-197.587 χ²/NDF: 20.8/22
Left Out: 18.026+/-119.333 χ²/NDF:19.4/23
Right Out: -275.091+/-198.181 χ²/NDF: 22.5/26
Left In: 121.706+/-137.150 χ²/NDF:16.5/22
Left: 62.698+/-90.026 χ²/NDF: 36.2/46
Right: -45.808+/-139.925 χ²/NDF: 46.1/49
In: 141.344+/-112.668 χ²/NDF:37.4/45
Out: -59.972+/-102.231 χ²/NDF:43.6/50
All: 30.932+/-75.710 χ²/NDF: 82.7/96

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 653.473+/-0.140 χ^2/NDF: 2581321.4/22

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 686.854+/-0.140 χ^2/NDF: 3556195.9/26

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

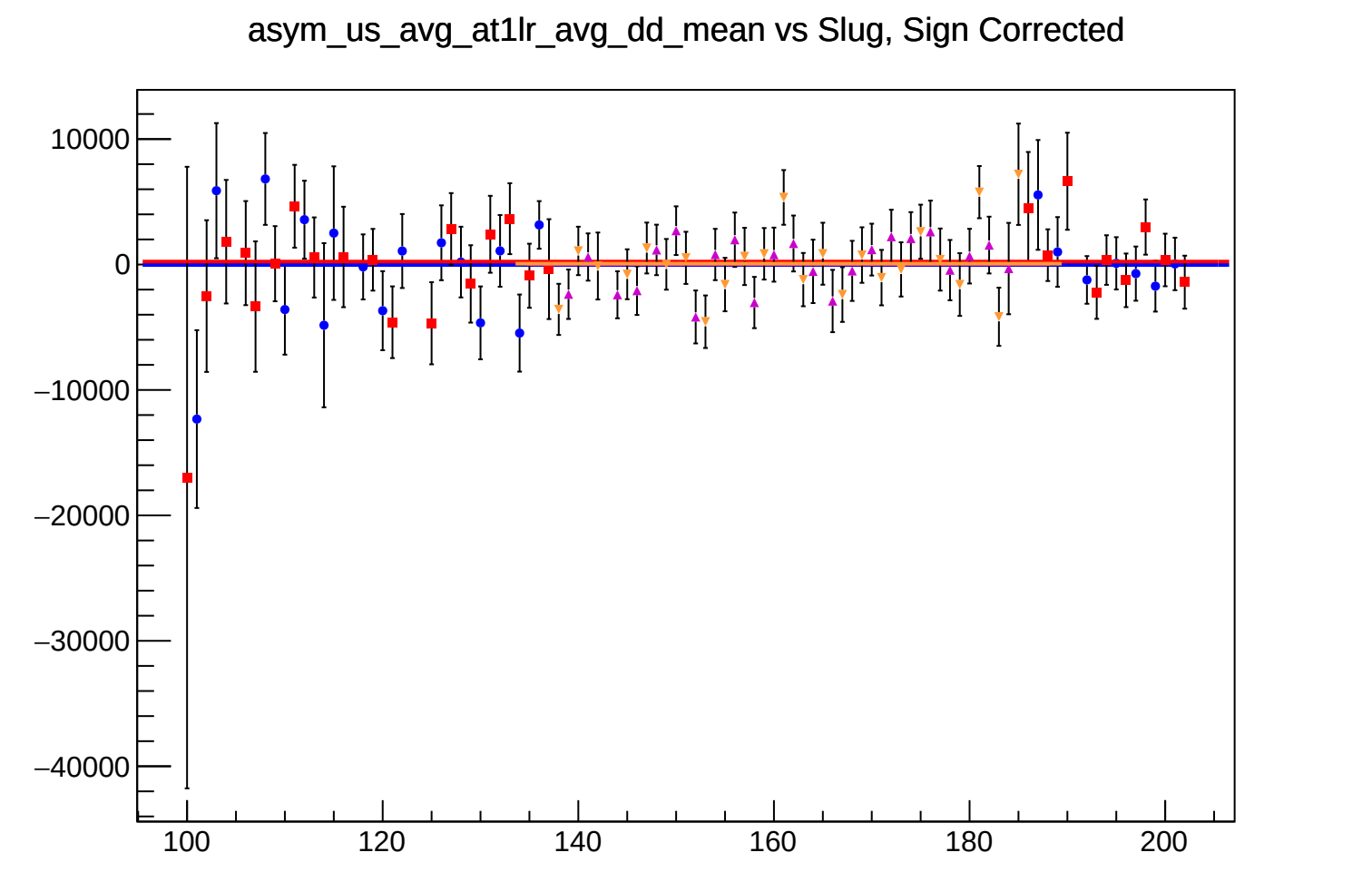
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 670.113+/-0.099 χ^2/NDF: 6165972.8/49

In: 544.702+/-0.080 χ^2/NDF:13898959.3/45

Out: 472.799+/-0.072 χ^2/NDF:21069850.9/50

All: 505.267+/-0.054 χ^2/NDF: 35415552.4/96



Right In: -34.798+/-580.234 χ^2/NDF: 24.3/22

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 235.975+/-550.887 χ^2/NDF: 19.3/26

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

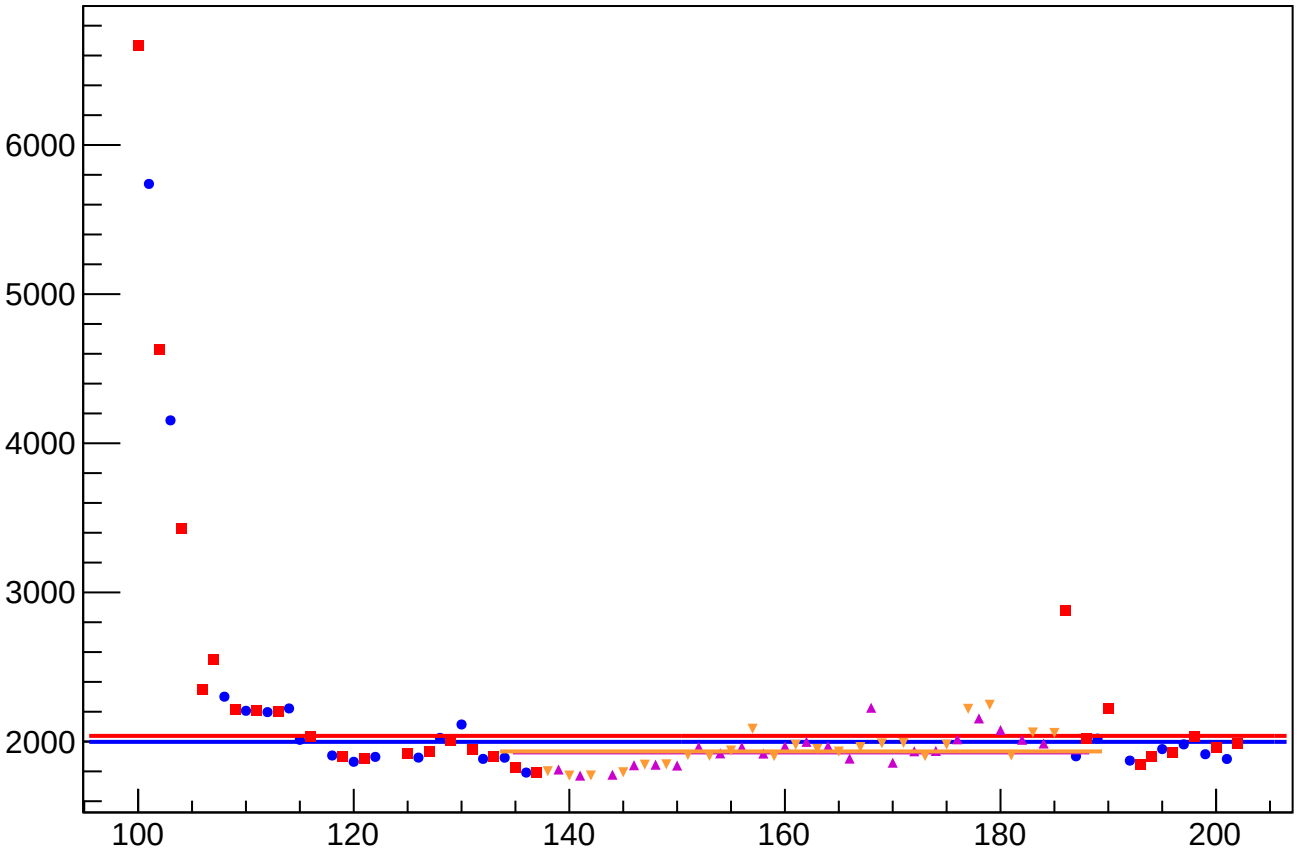
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 107.609+/-399.508 χ^2/NDF: 43.7/49

In: 2.853+/-355.964 χ^2/NDF:44.2/45

Out: 134.378+/-348.390 χ^2/NDF:52.9/50

All: 70.030+/-248.984 χ^2/NDF: 97.2/96



Right In: 1997.951+/-0.410 χ^2/NDF: 972372.6/22

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2038.061+/-0.390 χ^2/NDF: 800262.5/26

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

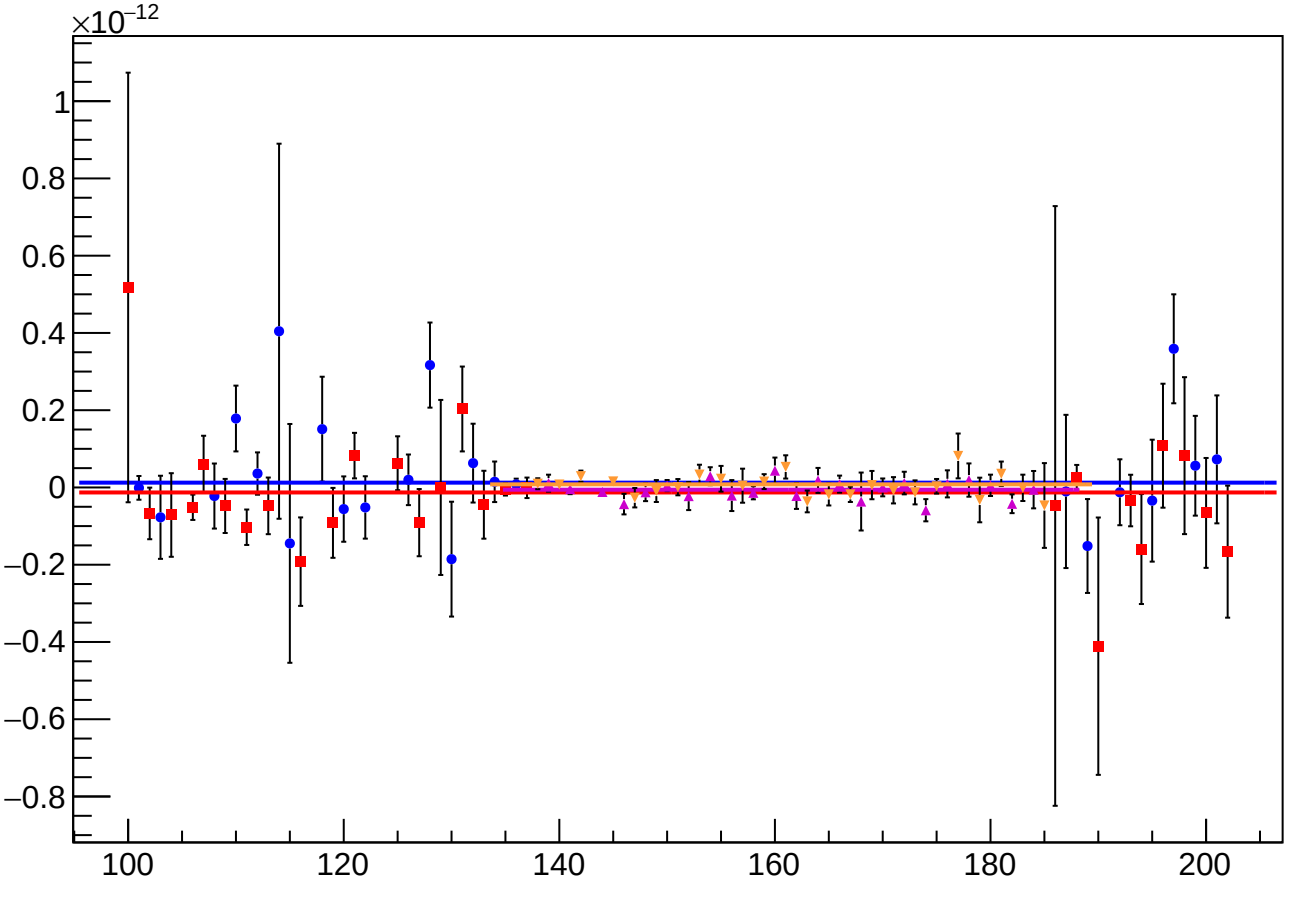
Right: 2019.046+/-0.282 χ^2/NDF: 1777661.3/49

In: 1953.781+/-0.252 χ^2/NDF:1107392.8/45

Out: 1975.502+/-0.246 χ^2/NDF:971777.3/50

All: 1964.875+/-0.176 χ^2/NDF: 2082973.4/96

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/26

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

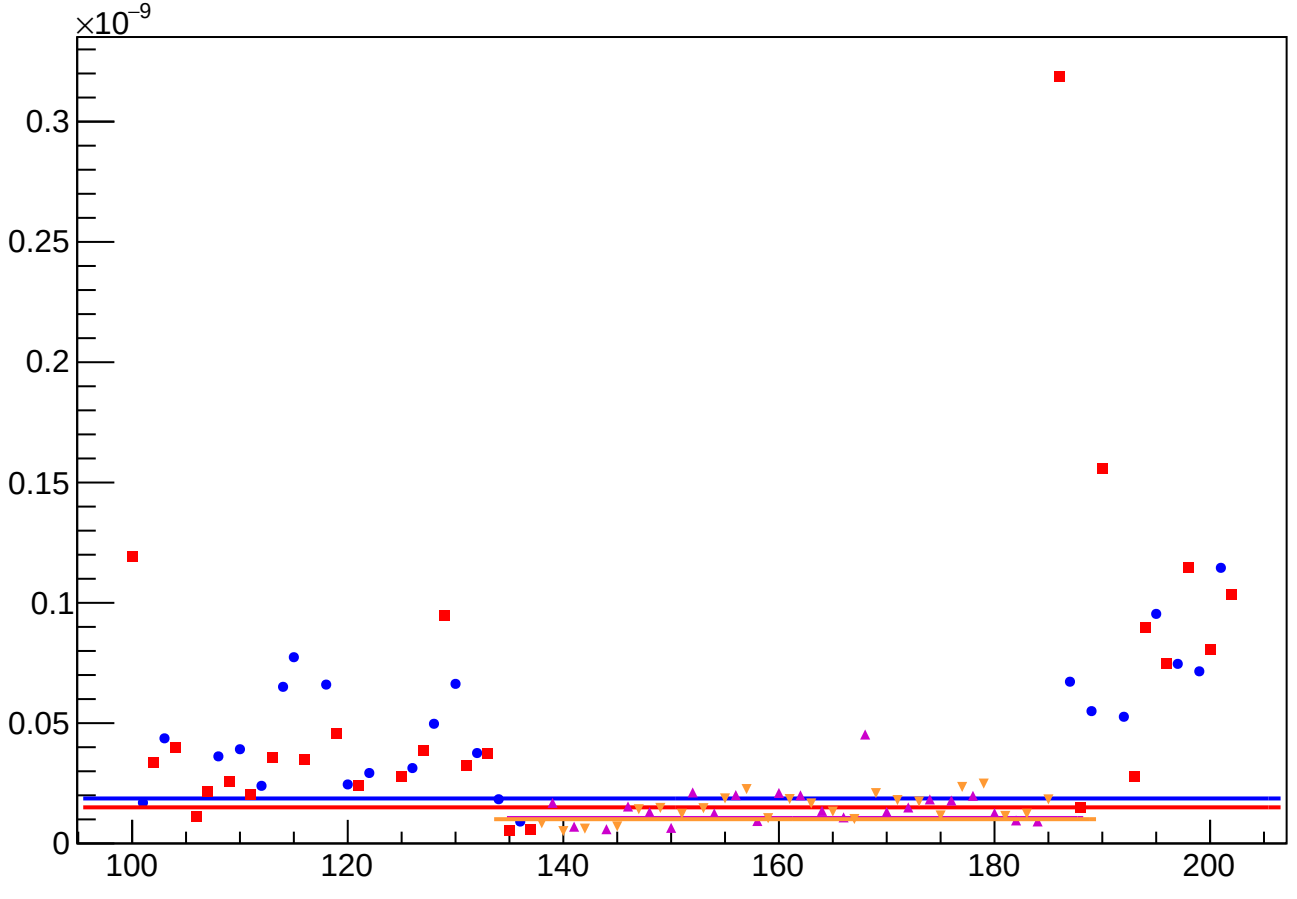
Left: 0.000+/-0.000 χ^2/NDF: 38.9/46

Right: -0.000+/-0.000 χ^2/NDF: 55.8/49

In: -0.000+/-0.000 χ^2/NDF:45.3/45

Out: 0.000+/-0.000 χ^2/NDF:47.7/50

All: 0.000+/-0.000 χ^2/NDF: 94.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 4459428.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5581455.1/26

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

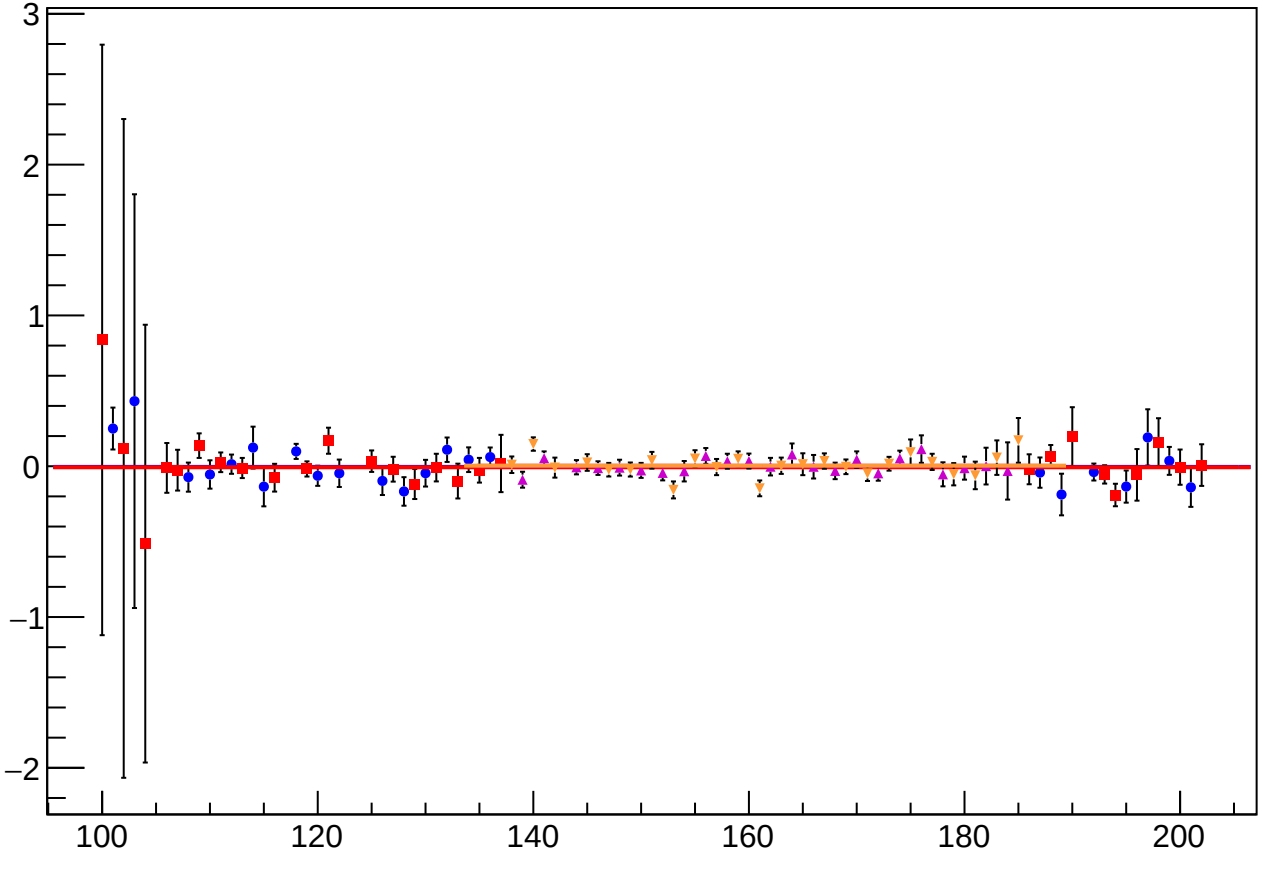
Right: 0.000+/-0.000 χ^2/NDF: 10162093.3/49

In: 0.000+/-0.000 χ^2/NDF:7930325.1/45

Out: 0.000+/-0.000 χ^2/NDF:8269152.8/50

All: 0.000+/-0.000 χ^2/NDF: 16240224.0/96

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.018 χ^2/NDF: 25.1/22

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

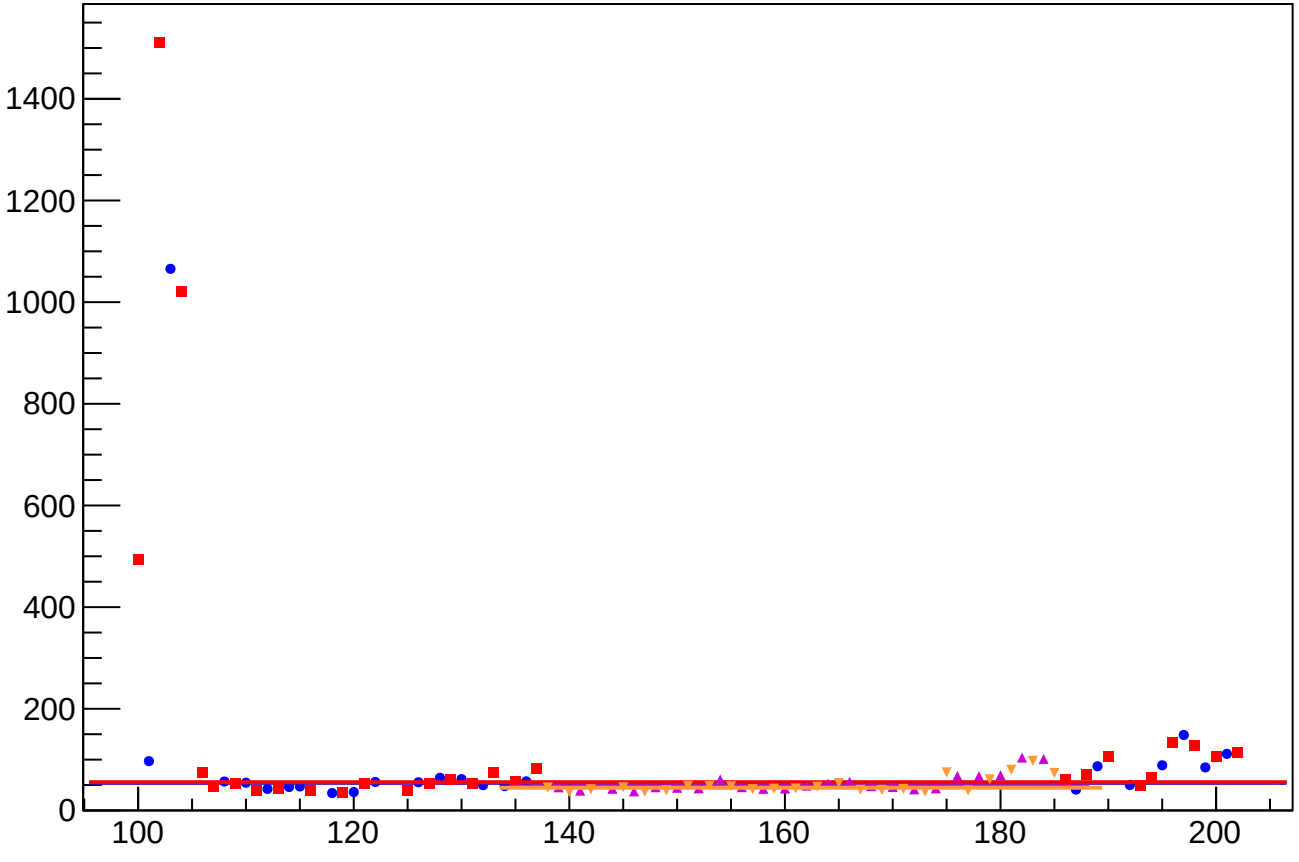
Right: -0.006+/-0.013 χ^2/NDF: 45.7/49

In: 0.001+/-0.010 χ^2/NDF:39.6/45

Out: 0.001+/-0.010 χ^2/NDF:55.9/50

All: 0.001+/-0.007 χ^2/NDF: 95.6/96

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.432+/-0.013 χ^2/NDF: 3368519.6/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.476+/-0.013 χ^2/NDF: 4529055.9/26

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

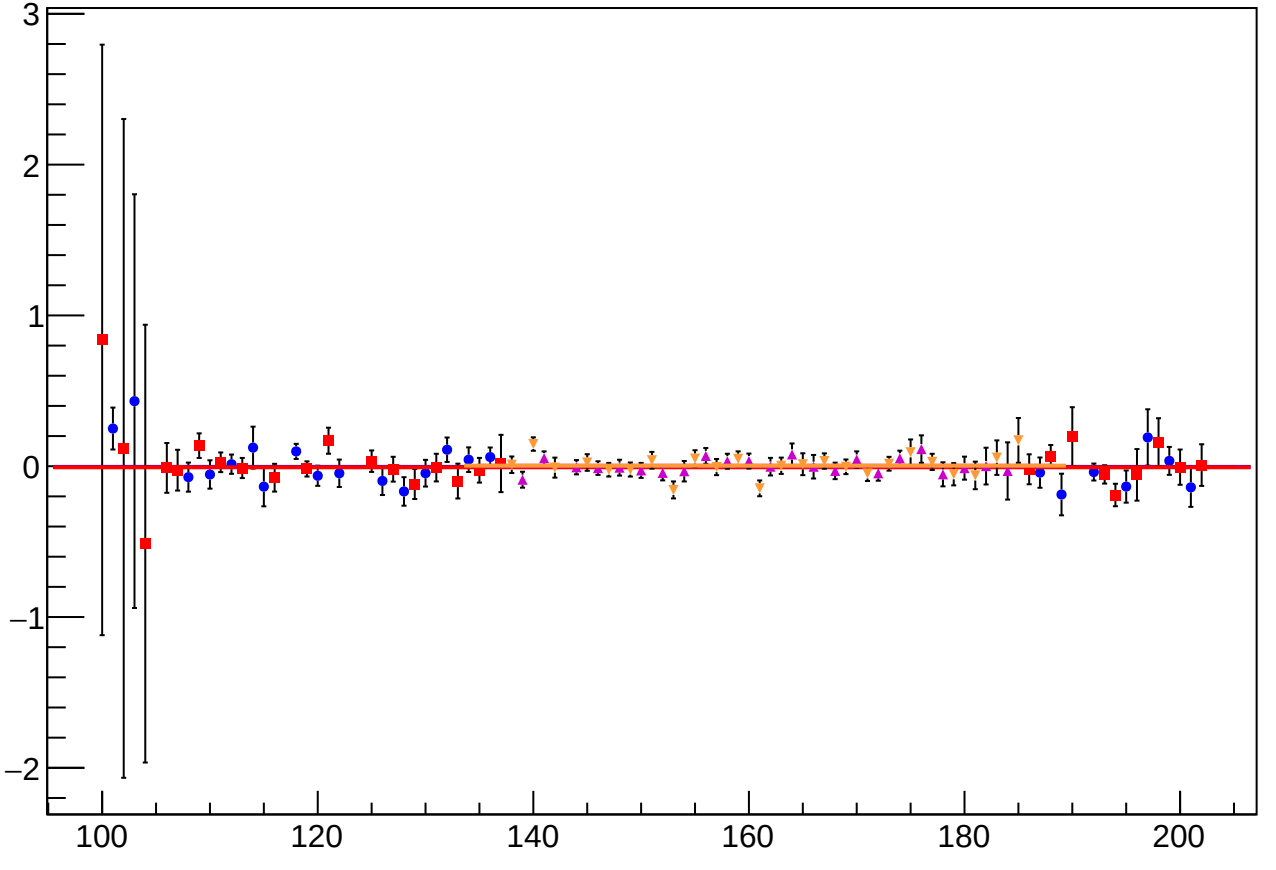
Right: 54.961+/-0.009 χ^2/NDF: 7900931.7/49

In: 49.269+/-0.007 χ^2/NDF:4983709.7/45

Out: 47.874+/-0.007 χ^2/NDF:6520238.4/50

All: 48.551+/-0.005 χ^2/NDF: 11524110.1/96

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.018 χ^2/NDF: 25.1/22

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

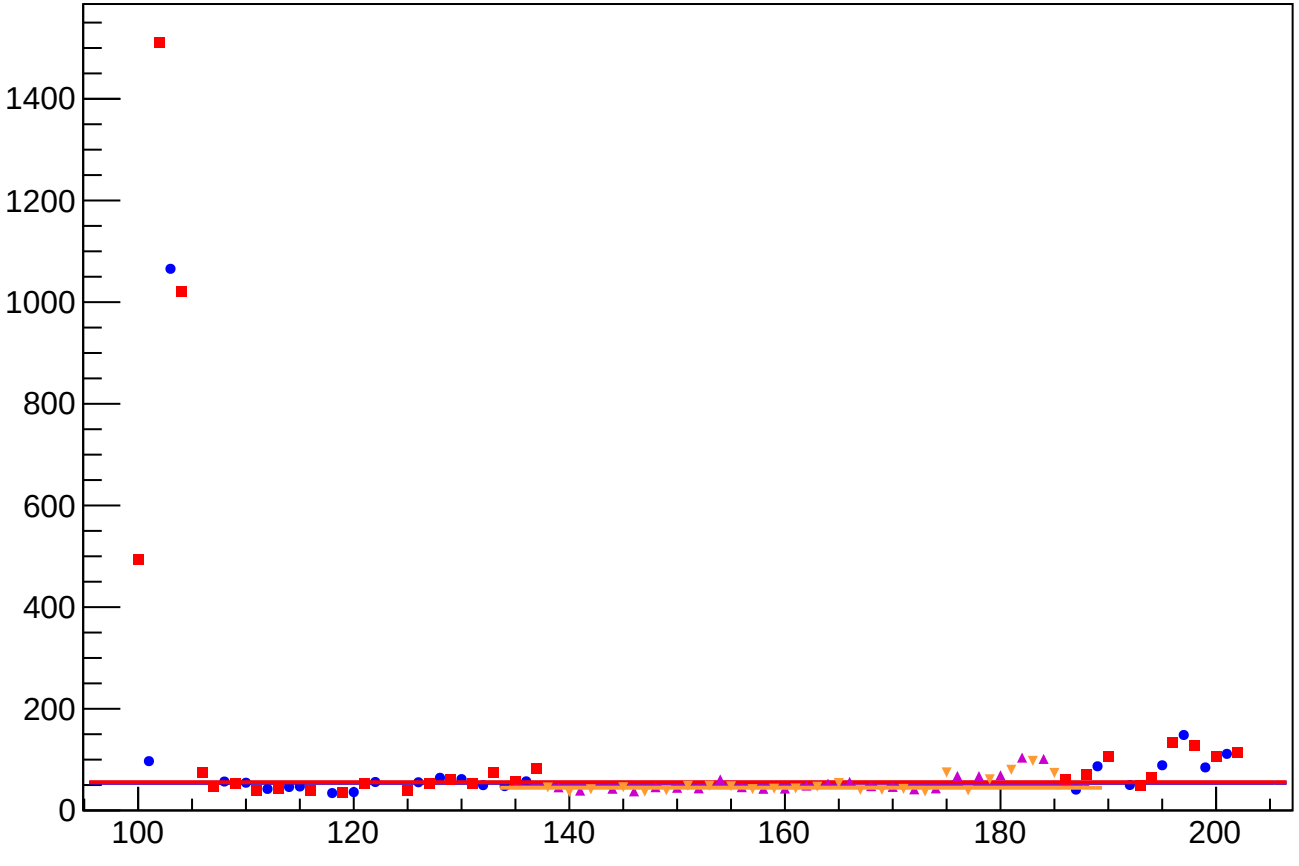
Right: -0.006+/-0.013 χ^2/NDF: 45.7/49

In: 0.001+/-0.010 χ^2/NDF:39.6/45

Out: 0.001+/-0.010 χ^2/NDF:55.9/50

All: 0.001+/-0.007 χ^2/NDF: 95.6/96

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.432+/-0.013 χ^2/NDF: 3368519.6/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.476+/-0.013 χ^2/NDF: 4529055.9/26

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

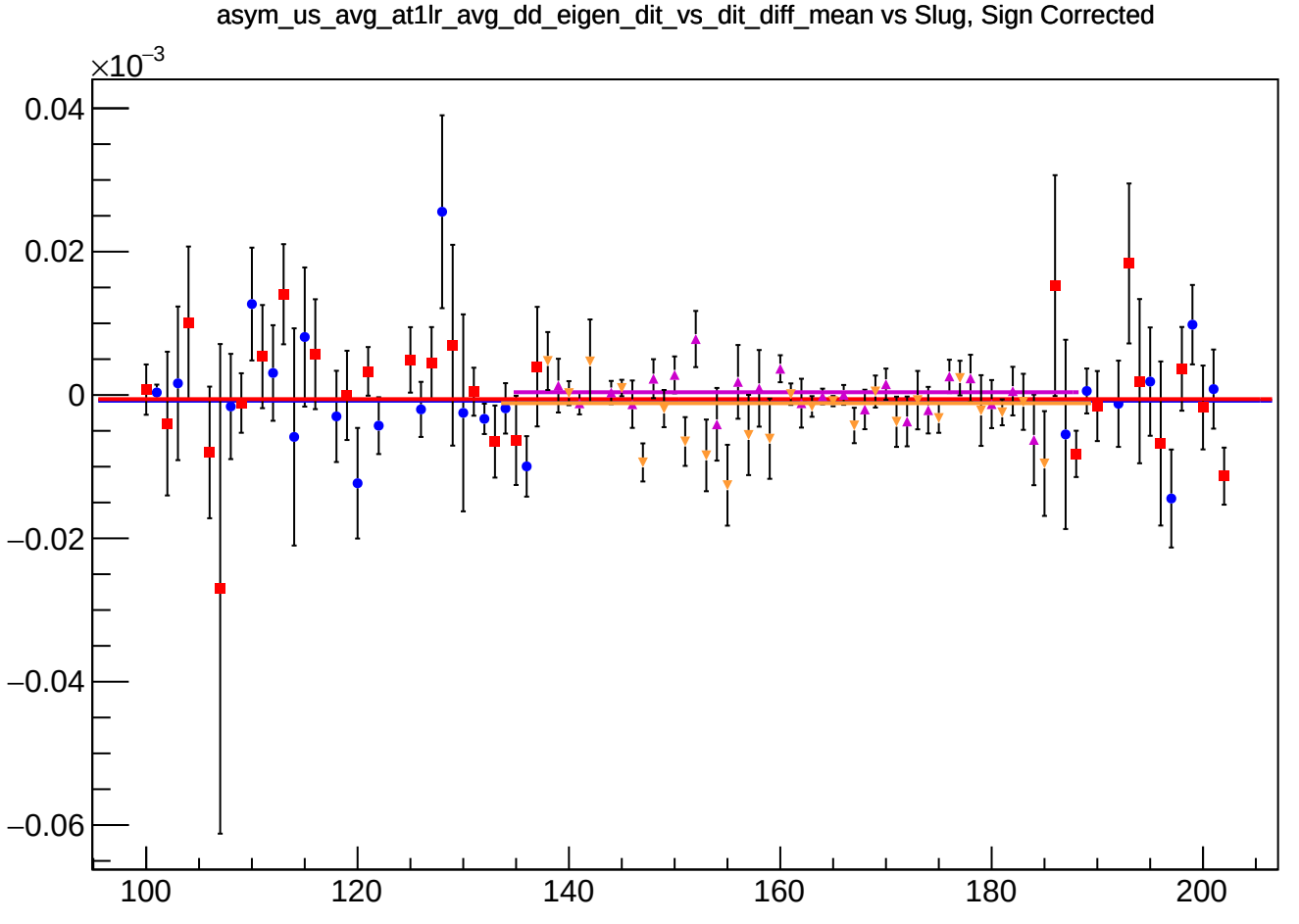
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 54.961+/-0.009 χ^2/NDF: 7900931.7/49

In: 49.269+/-0.007 χ^2/NDF:4983709.7/45

Out: 47.874+/-0.007 χ^2/NDF:6520238.4/50

All: 48.551+/-0.005 χ^2/NDF: 11524110.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/26

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

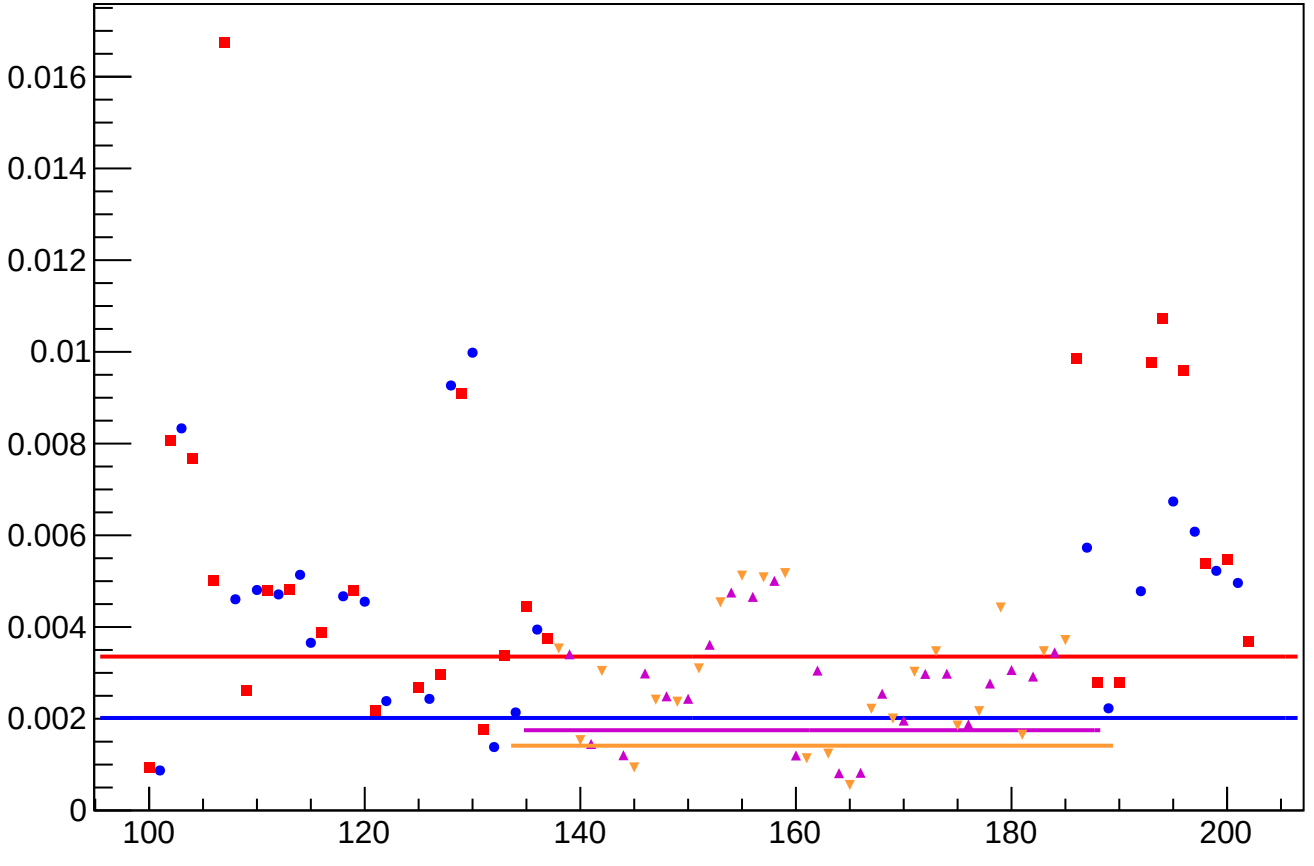
Right: -0.000+/-0.000 χ^2/NDF: 59.6/49

In: 0.000+/-0.000 χ^2/NDF:44.9/45

Out: -0.000+/-0.000 χ^2/NDF:68.6/50

All: -0.000+/-0.000 χ^2/NDF: 117.4/96

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: 9606616.7/22

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6621674.2/26

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

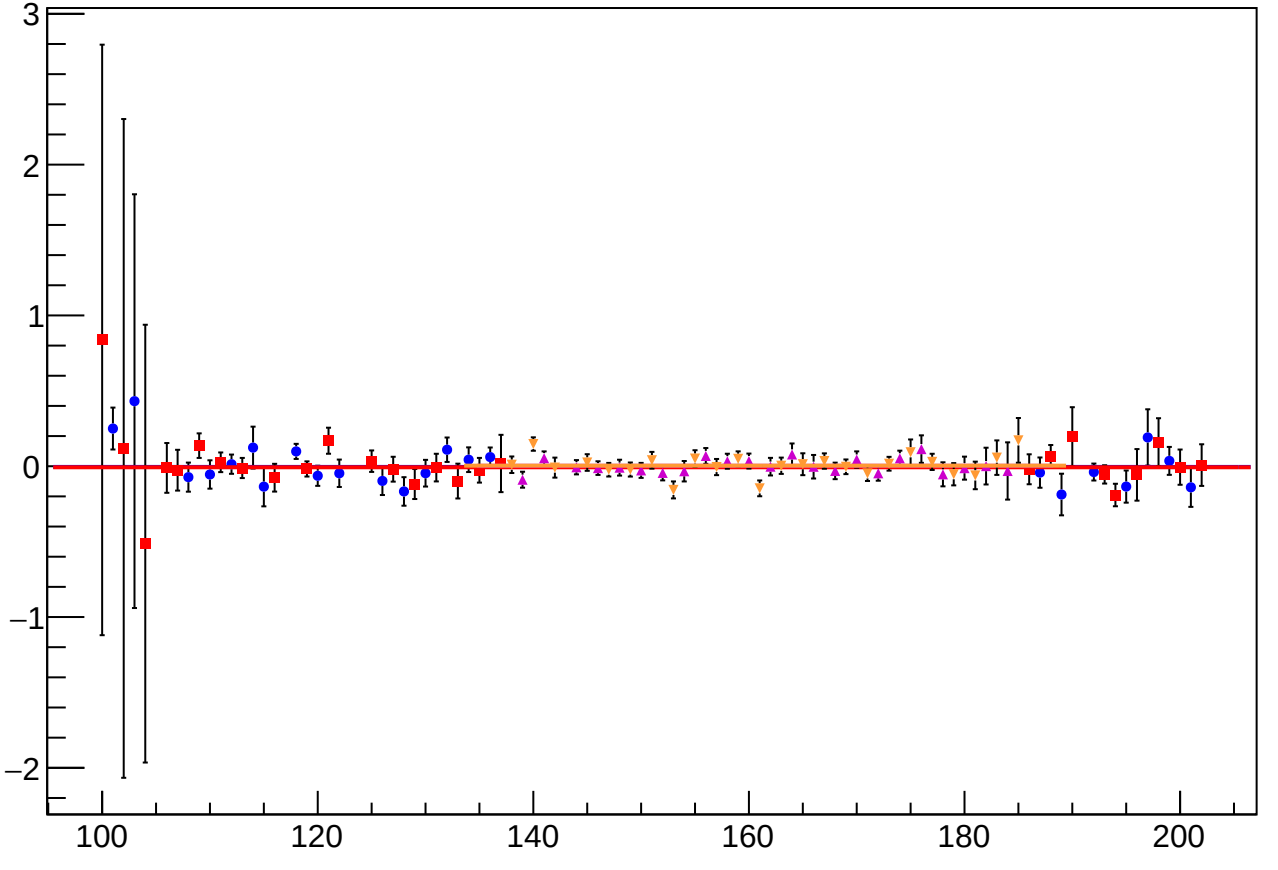
Right: 0.002+/-0.000 χ^2/NDF: 18315606.3/49

In: 0.002+/-0.000 χ^2/NDF:18017377.3/45

Out: 0.002+/-0.000 χ^2/NDF:24042901.7/50

All: 0.002+/-0.000 χ^2/NDF: 42225655.6/96

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.018 χ^2/NDF: 25.1/22

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

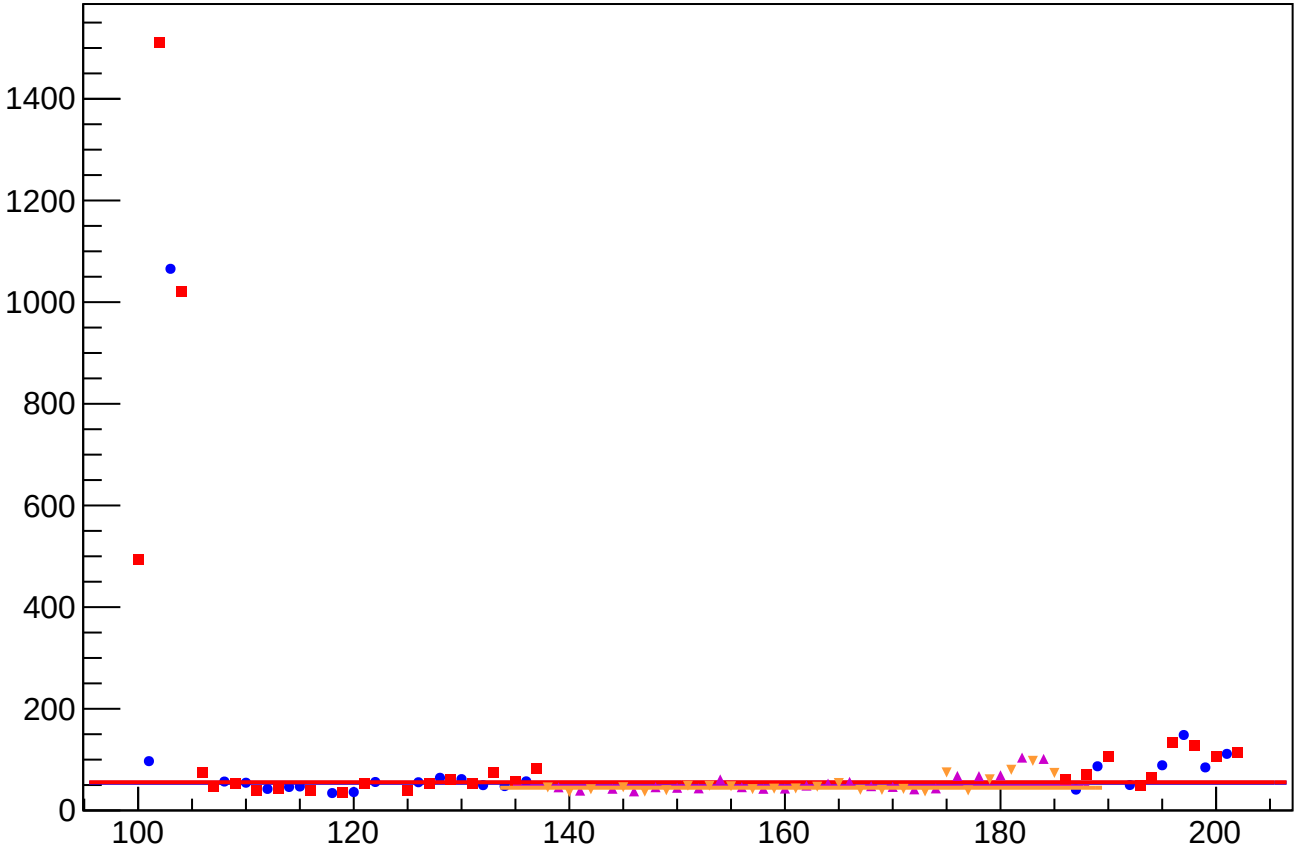
Right: -0.006+/-0.013 χ^2/NDF: 45.7/49

In: 0.001+/-0.010 χ^2/NDF:39.6/45

Out: 0.001+/-0.010 χ^2/NDF:55.9/50

All: 0.001+/-0.007 χ^2/NDF: 95.6/96

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.432+/-0.013 χ^2/NDF: 3368494.2/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.475+/-0.013 χ^2/NDF: 4529187.2/26

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

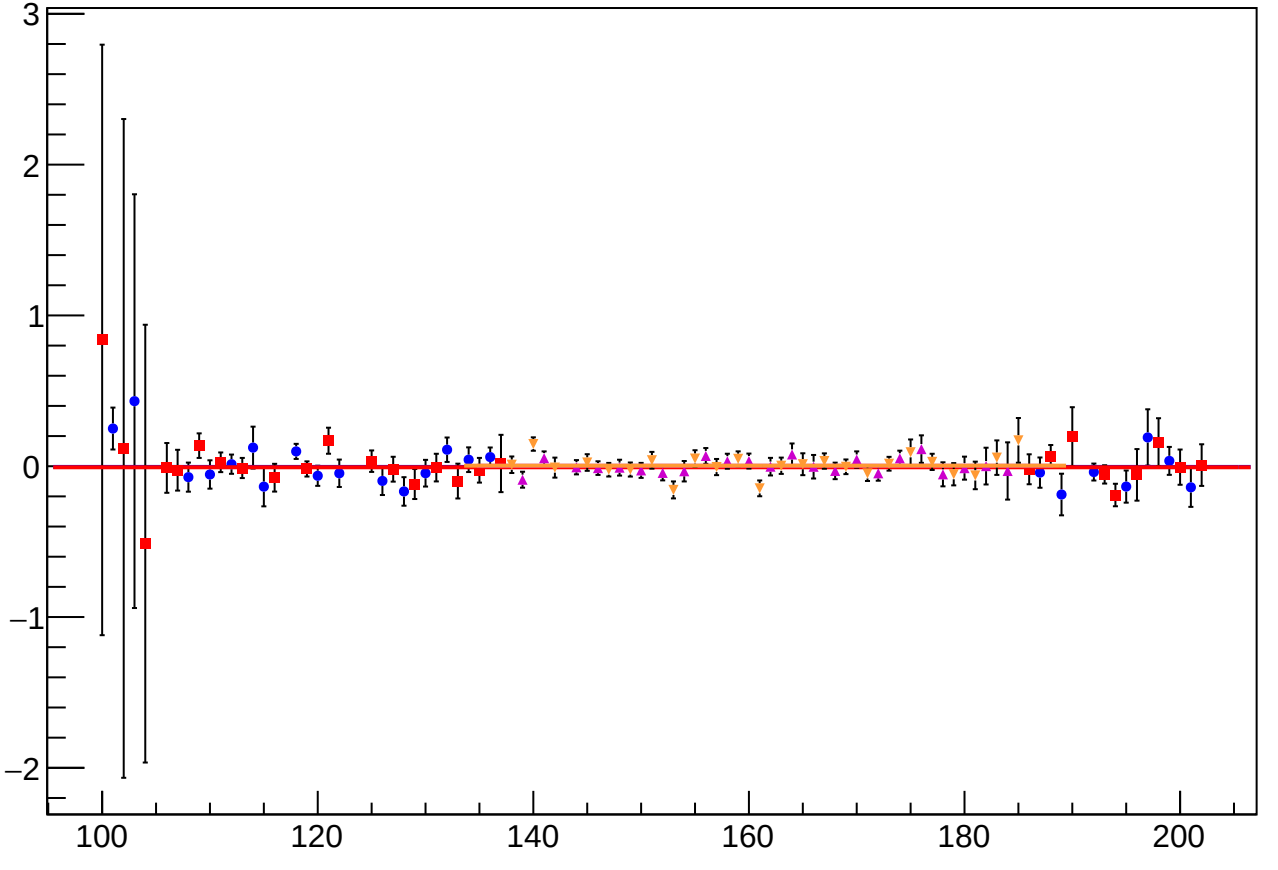
Right: 54.960+/-0.009 χ^2/NDF: 7901034.0/49

In: 49.269+/-0.007 χ^2/NDF:4983750.4/45

Out: 47.874+/-0.007 χ^2/NDF:6520274.0/50

All: 48.551+/-0.005 χ^2/NDF: 11524181.4/96

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.018 χ^2/NDF: 25.1/22

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

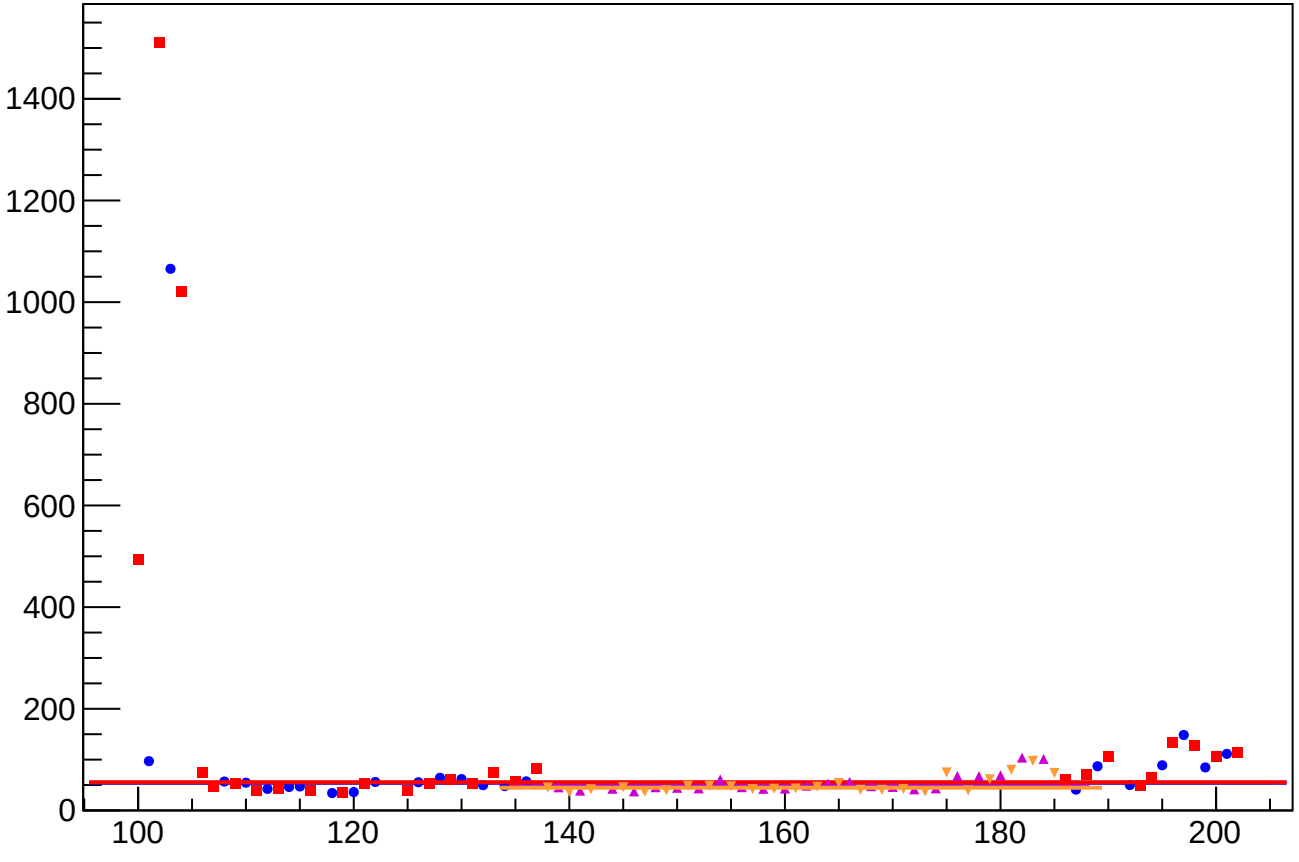
Right: -0.006+/-0.013 χ^2/NDF: 45.7/49

In: 0.001+/-0.010 χ^2/NDF:39.6/45

Out: 0.001+/-0.010 χ^2/NDF:55.9/50

All: 0.001+/-0.007 χ^2/NDF: 95.6/96

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.432+/-0.013 χ^2/NDF: 3368494.2/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.475+/-0.013 χ^2/NDF: 4529187.2/26

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

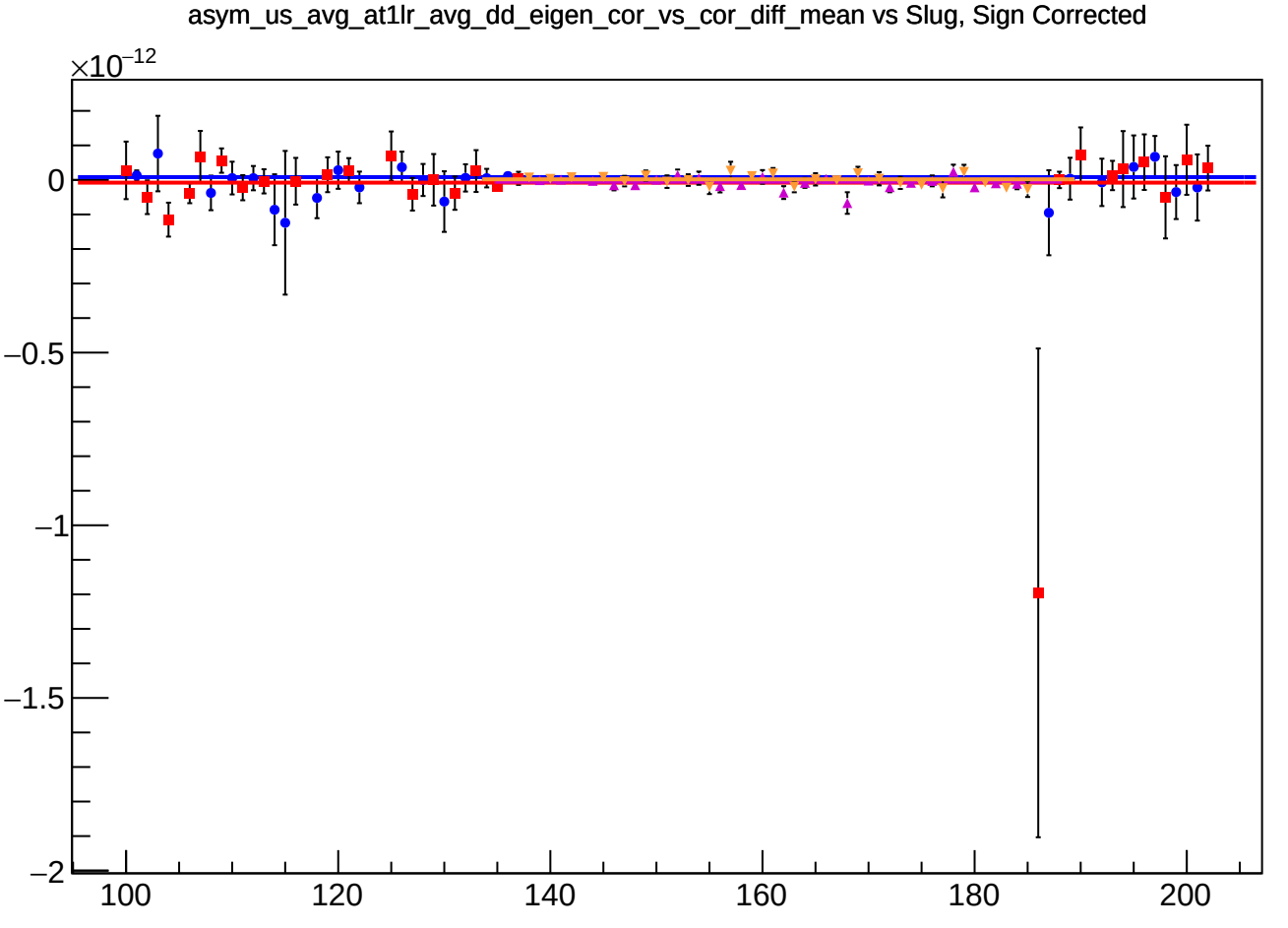
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 54.960+/-0.009 χ^2/NDF: 7901034.0/49

In: 49.269+/-0.007 χ^2/NDF:4983750.4/45

Out: 47.874+/-0.007 χ^2/NDF:6520274.0/50

All: 48.551+/-0.005 χ^2/NDF: 11524181.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 7.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/26

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

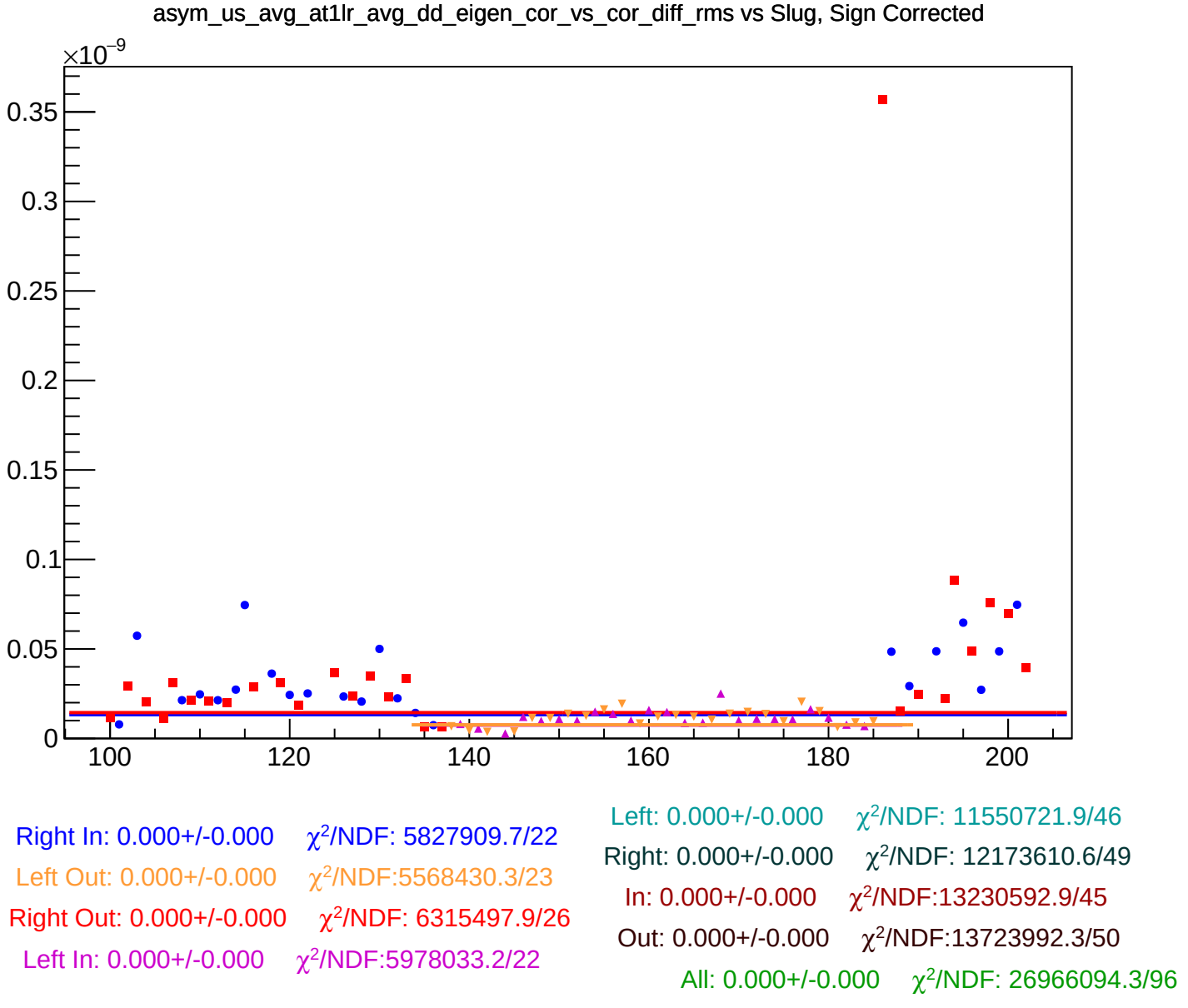
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

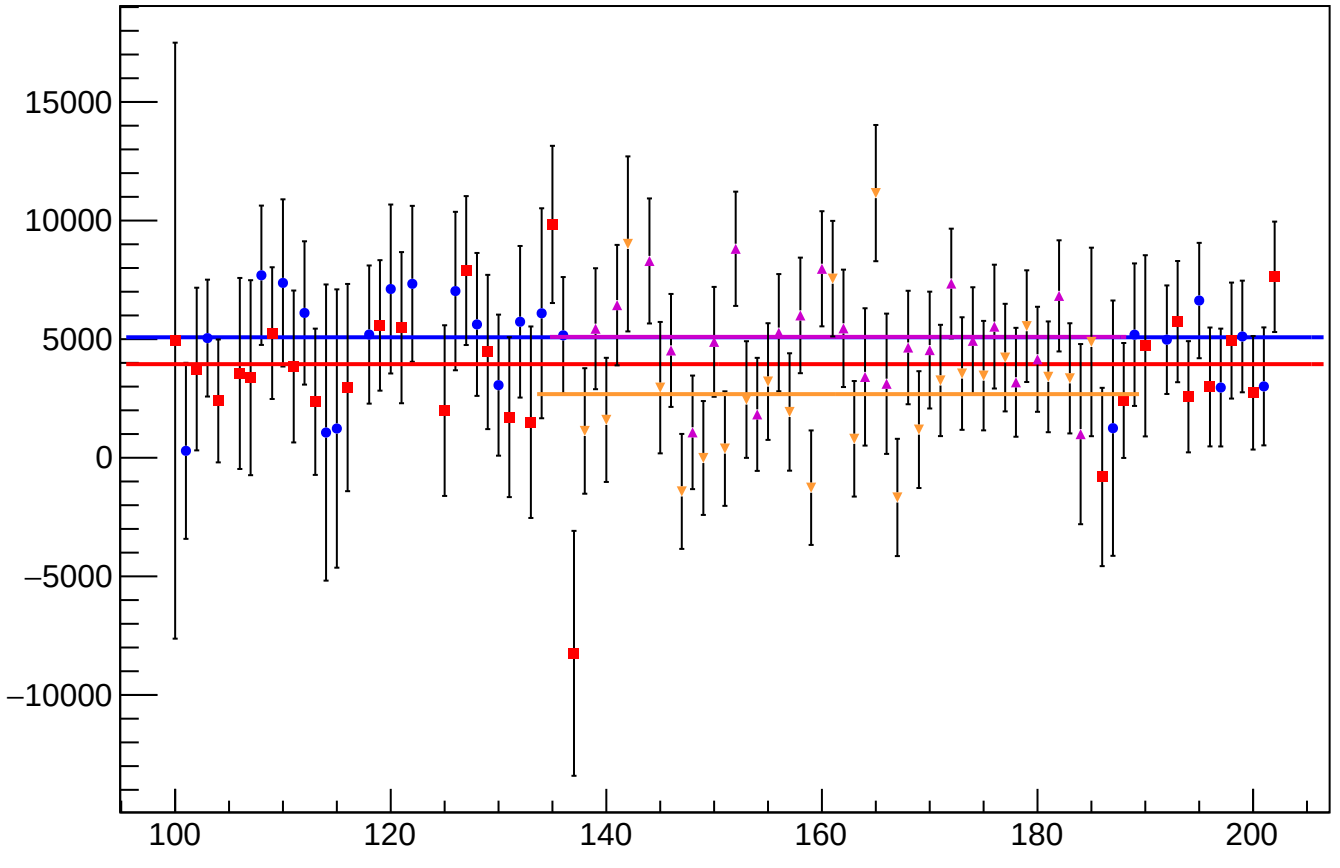
Right: 0.000+/-0.000 χ^2/NDF: 32.8/49

In: -0.000+/-0.000 χ^2/NDF:29.2/45

Out: 0.000+/-0.000 χ^2/NDF:44.7/50

All: -0.000+/-0.000 χ^2/NDF: 75.7/96


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
Right In: 0.000+/-0.000 χ²/NDF: 5827909.7/22
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 6315497.9/26
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: 12173610.6/49
In: 0.000+/-0.000 χ²/NDF:13230592.9/45
Out: 0.000+/-0.000 χ²/NDF:13723992.3/50
All: 0.000+/-0.000 χ²/NDF: 26966094.3/96



Right In: 5079.361+/-629.382 χ^2/NDF: 7.9/22

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3946.669+/-591.485 χ^2/NDF: 18.9/26

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

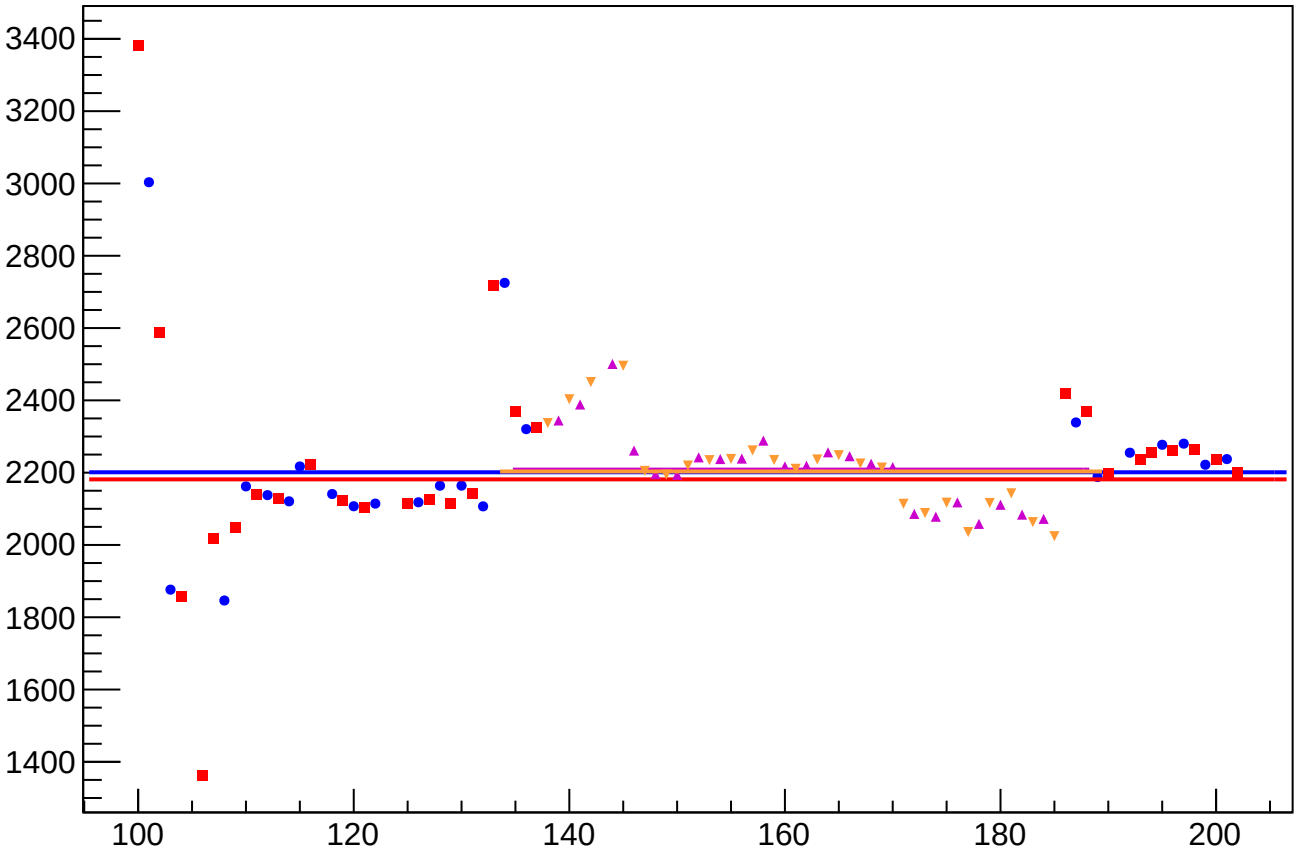
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4477.890+/-431.018 χ^2/NDF: 28.5/49

In: 5089.563+/-399.142 χ^2/NDF:22.8/45

Out: 3224.231+/-387.122 χ^2/NDF:52.4/50

All: 4128.388+/-277.889 χ^2/NDF: 86.4/96



Right In: 2201.066+/-0.445 χ^2/NDF: 205872.5/22

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2181.431+/-0.415 χ^2/NDF: 311822.6/26

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

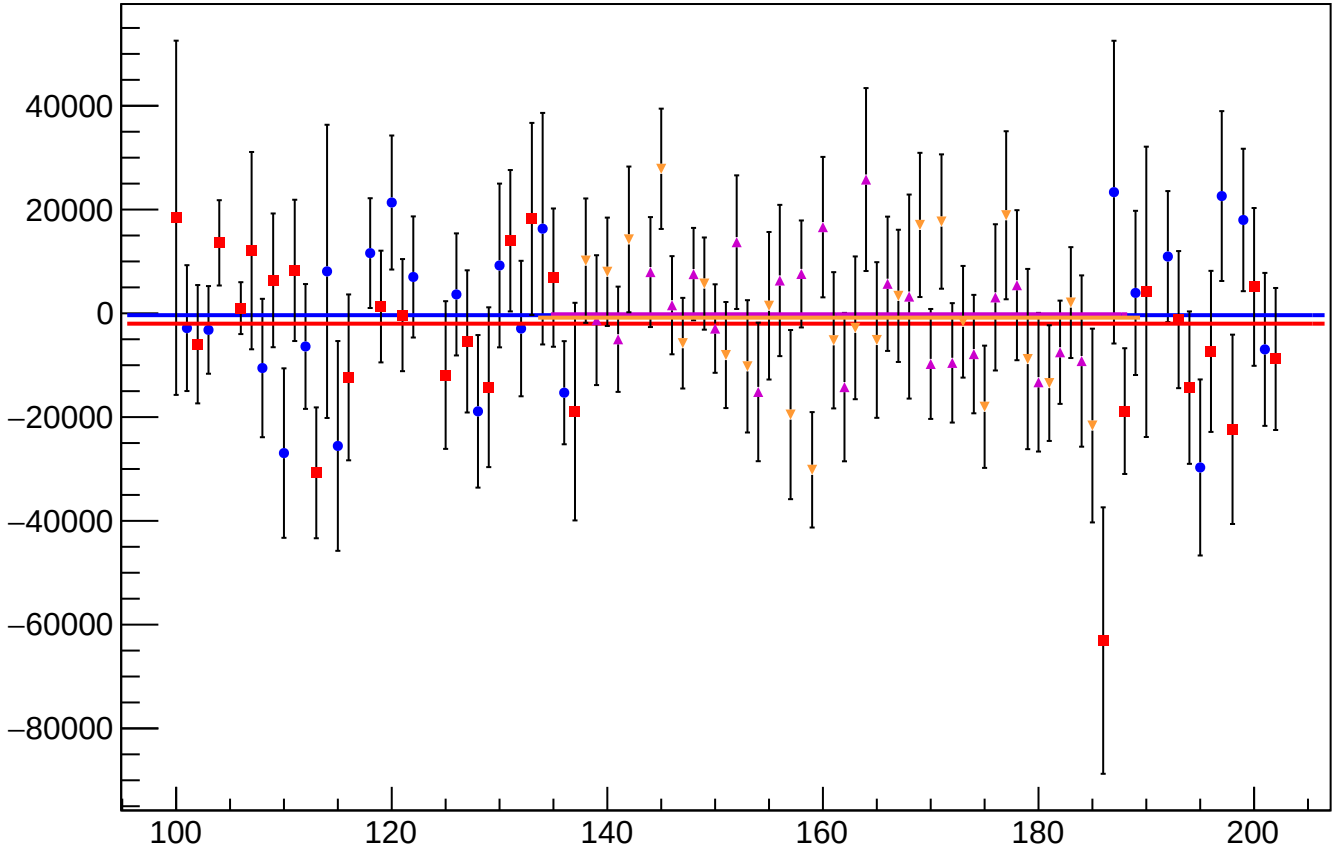
Right: 2190.556+/-0.303 χ^2/NDF: 518737.1/49

In: 2205.438+/-0.282 χ^2/NDF:287028.3/45

Out: 2193.838+/-0.273 χ^2/NDF:401608.7/50

All: 2199.439+/-0.196 χ^2/NDF: 689510.5/96

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -354.836+/-2822.916 χ^2/NDF: 23.2/22

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1994.403+/-2408.498 χ^2/NDF: 26.7/26

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

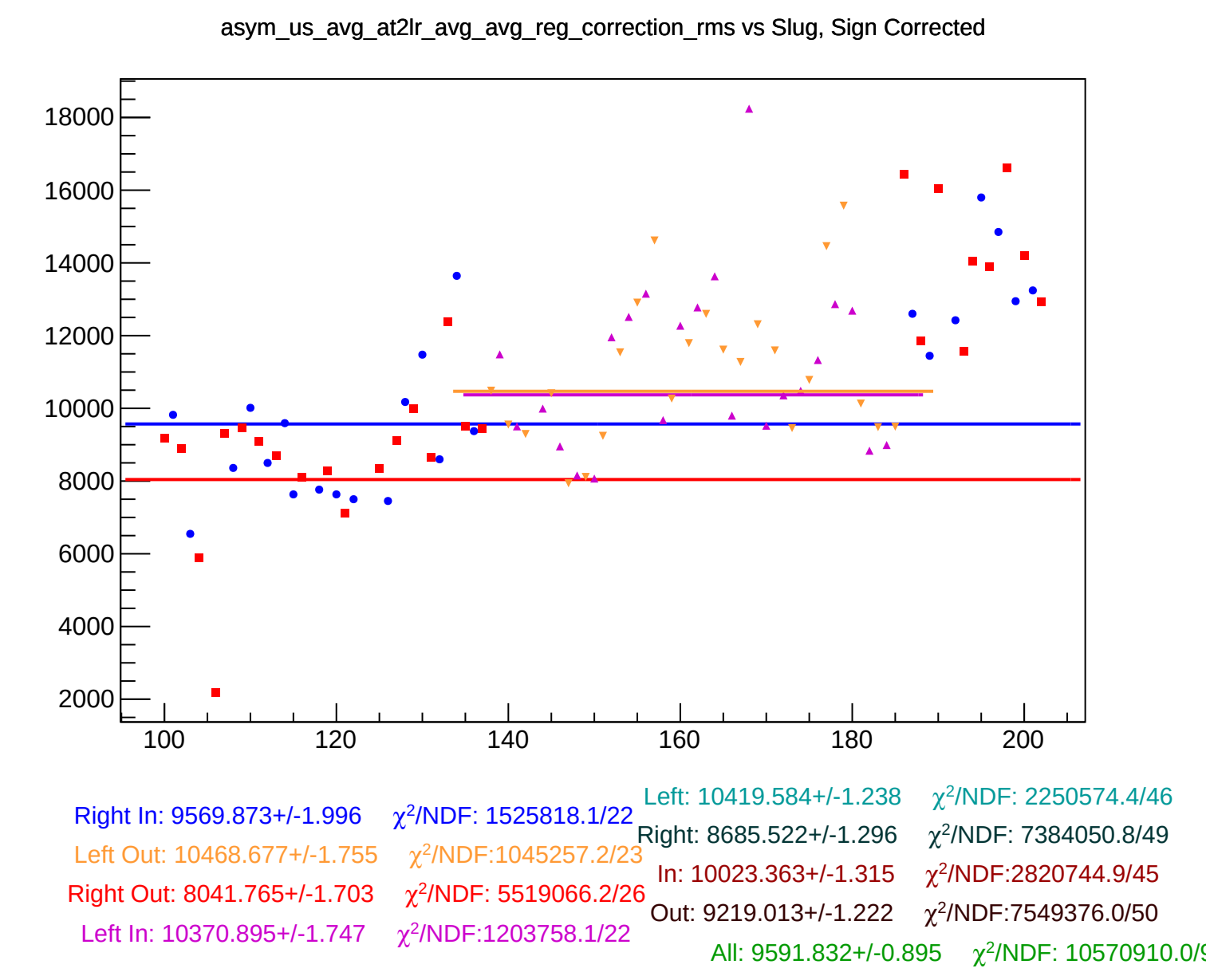
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

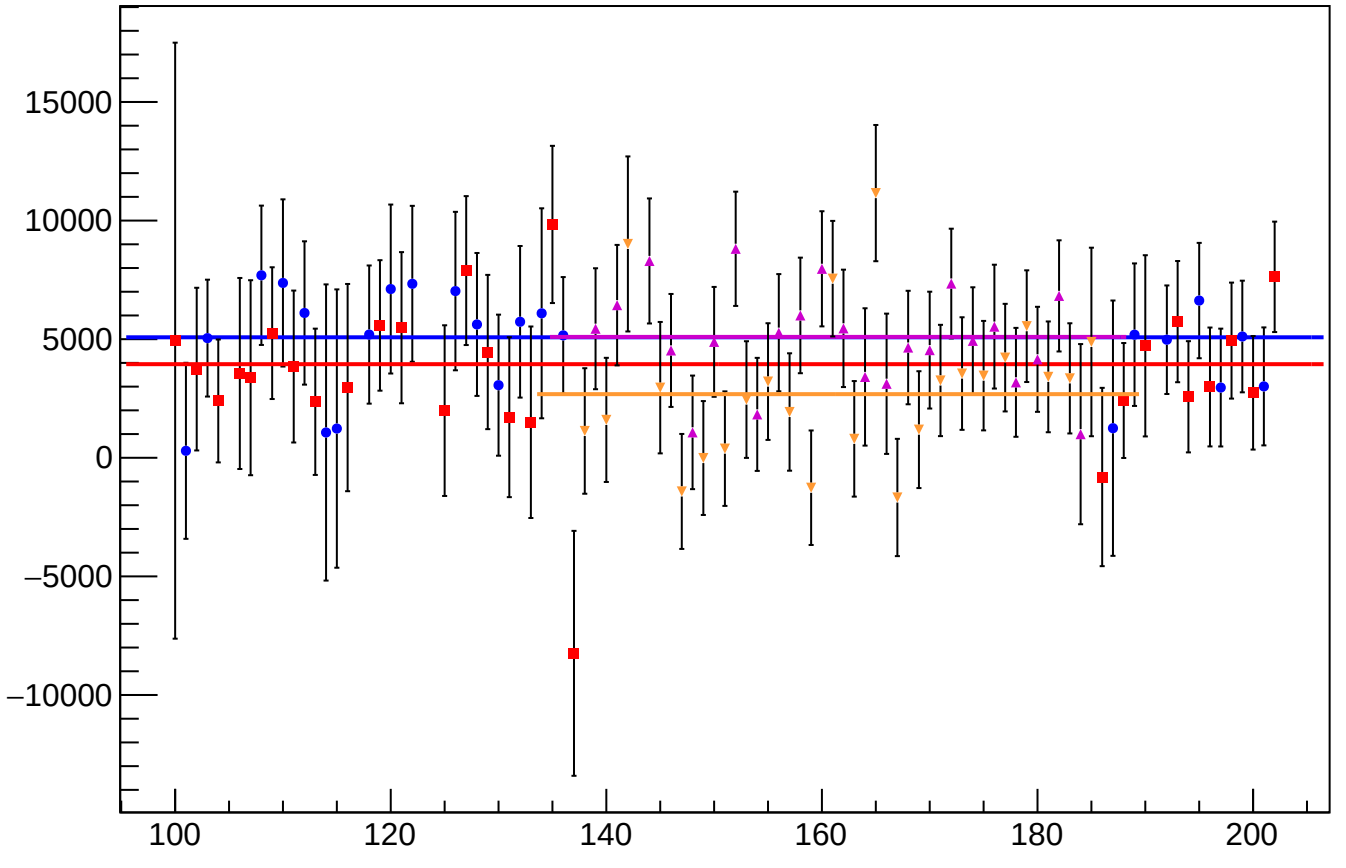
Right: -1303.692+/-1832.237 χ^2/NDF: 50.1/49

In: -257.228+/-1859.403 χ^2/NDF:37.0/45

Out: -1431.264+/-1728.287 χ^2/NDF:56.3/50

All: -887.095+/-1265.901 χ^2/NDF: 93.5/96


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9569.873+/-1.996 χ²/NDF: 1525818.1/22
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 8041.765+/-1.703 χ²/NDF: 5519066.2/26
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
Left: 10419.584+/-1.238 χ²/NDF: 2250574.4/46
Right: 8685.522+/-1.296 χ²/NDF: 7384050.8/49
In: 10023.363+/-1.315 χ²/NDF:2820744.9/45
Out: 9219.013+/-1.222 χ²/NDF:7549376.0/50
All: 9591.832+/-0.895 χ²/NDF: 10570910.0/9



Right In: 5079.484+/-629.382 χ^2/NDF: 7.9/22

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3946.524+/-591.485 χ^2/NDF: 18.9/26

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

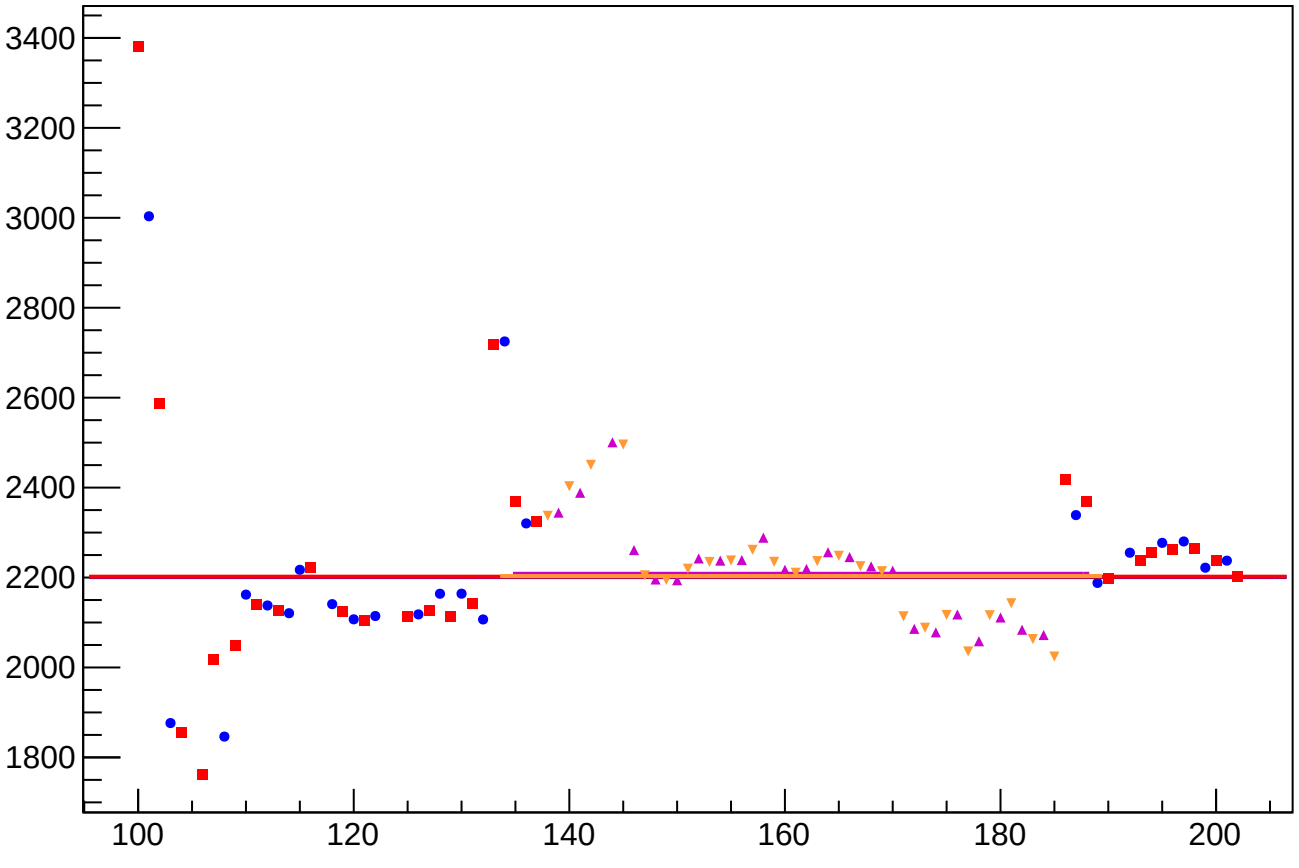
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4477.870+/-431.018 χ^2/NDF: 28.5/49

In: 5089.557+/-399.142 χ^2/NDF:22.8/45

Out: 3224.124+/-387.122 χ^2/NDF:52.4/50

All: 4128.329+/-277.889 χ^2/NDF: 86.4/96



Right In: 2201.066+/-0.445 χ^2/NDF: 205872.9/22

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2201.896+/-0.417 χ^2/NDF: 187501.0/26

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

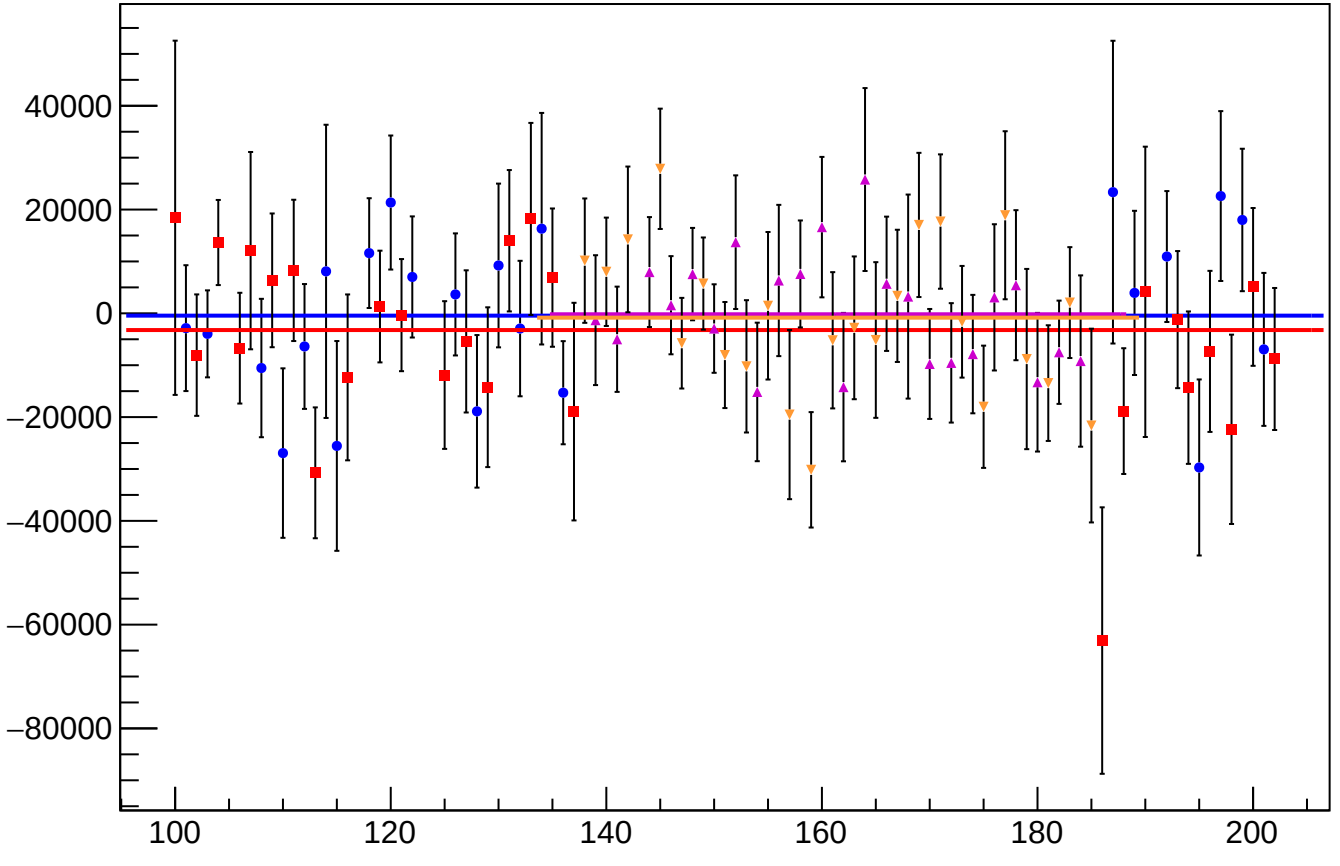
Right: 2201.508+/-0.304 χ^2/NDF: 393375.8/49

In: 2205.438+/-0.282 χ^2/NDF:287028.7/45

Out: 2202.695+/-0.273 χ^2/NDF:275715.8/50

All: 2204.023+/-0.196 χ^2/NDF: 562793.2/96

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -446.142+/-2820.493 χ^2/NDF: 23.3/22

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3223.315+/-2664.578 χ^2/NDF: 26.5/26

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

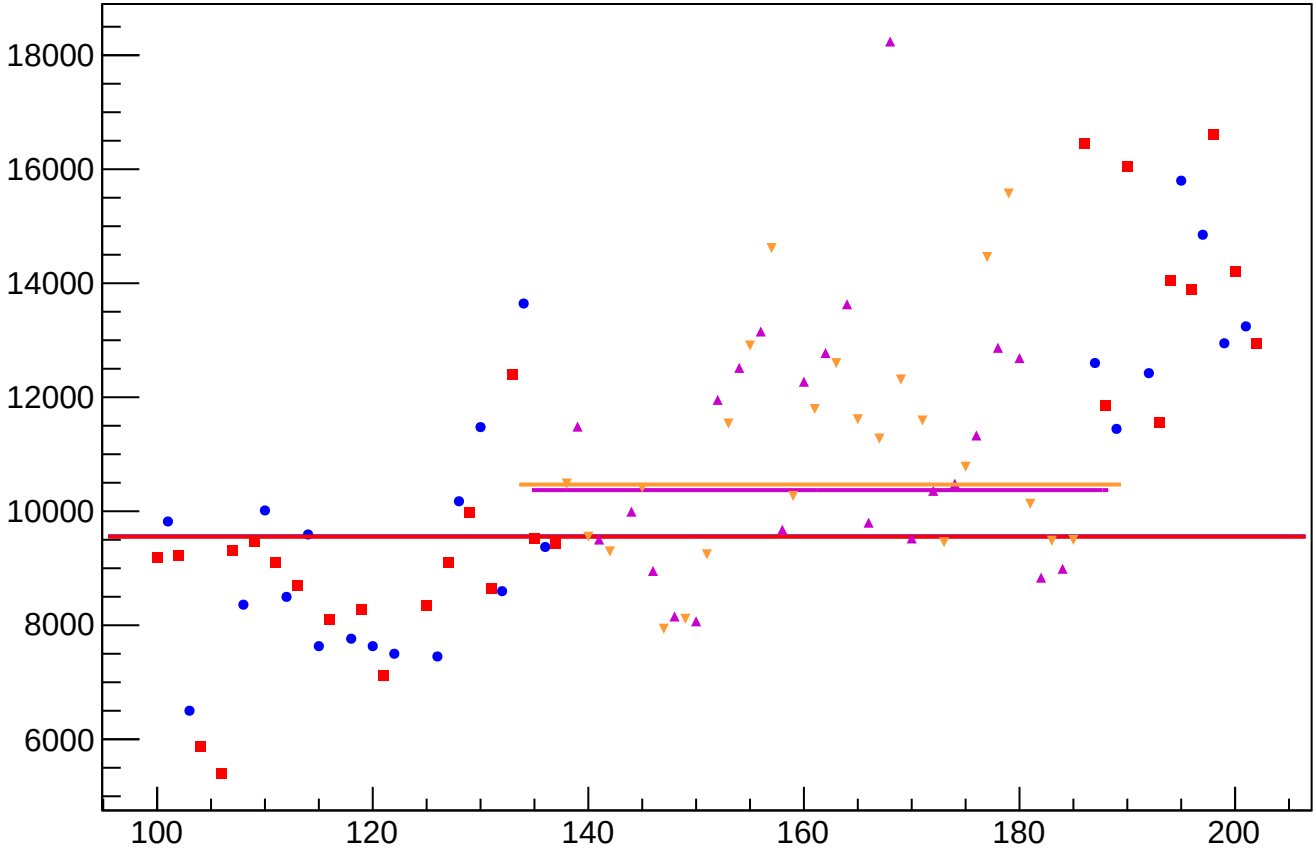
Right: -1913.607+/-1936.916 χ^2/NDF: 50.3/49

In: -296.916+/-1858.709 χ^2/NDF:37.0/45

Out: -1943.457+/-1815.949 χ^2/NDF:56.4/50

All: -1139.343+/-1298.924 χ^2/NDF: 93.9/96

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 9559.312+/-1.994 χ^2/NDF: 1537909.9/22

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9554.766+/-1.884 χ^2/NDF: 2260203.9/26

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

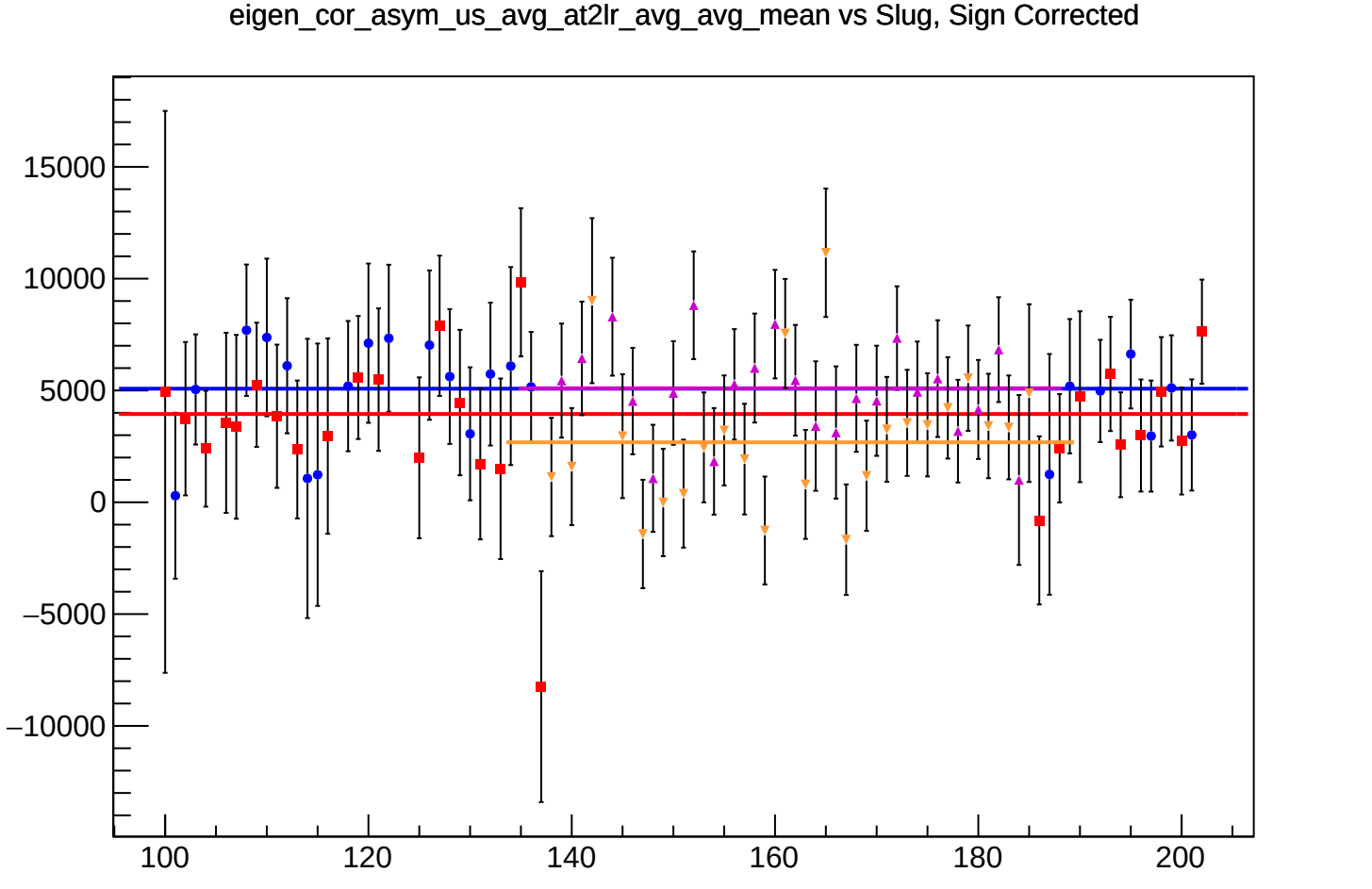
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

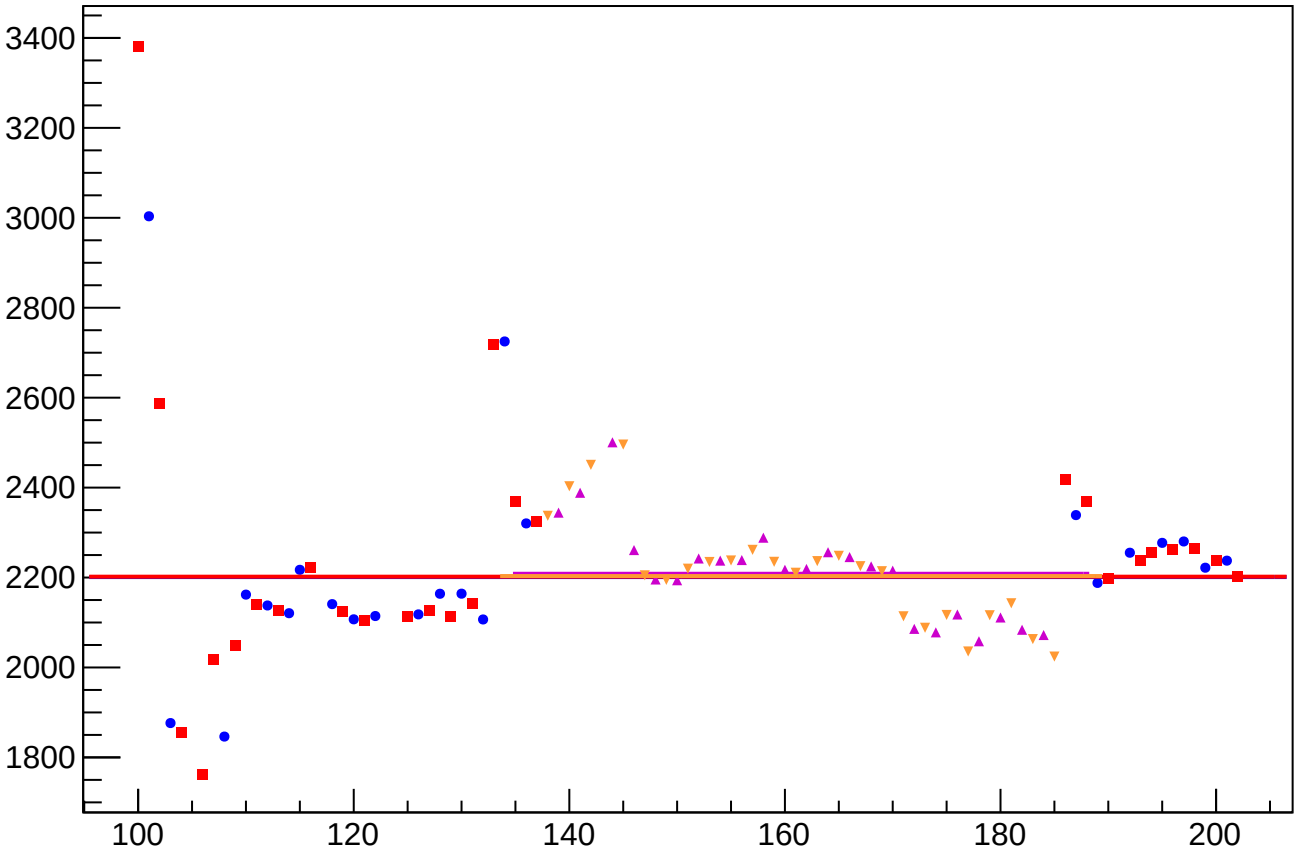
Right: 9556.910+/-1.370 χ^2/NDF: 3798116.5/49

In: 10018.434+/-1.314 χ^2/NDF:2835351.3/45

Out: 10044.199+/-1.284 χ^2/NDF:3431462.4/50

All: 10031.616+/-0.918 χ^2/NDF: 6267010.3/9


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 5079.484+/-629.382 χ²/NDF: 7.9/22
Left Out: 2682.792+/-512.020 χ²/NDF:30.8/23
Right Out: 3946.524+/-591.485 χ²/NDF: 18.9/26
Left In: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3879.677+/-363.533 χ²/NDF: 56.8/46
Right: 4477.870+/-431.018 χ²/NDF: 28.5/49
In: 5089.557+/-399.142 χ²/NDF:22.8/45
Out: 3224.124+/-387.122 χ²/NDF:52.4/50
All: 4128.329+/-277.889 χ²/NDF: 86.4/96



Right In: 2201.066+/-0.445 χ^2/NDF: 205872.9/22

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2201.896+/-0.417 χ^2/NDF: 187501.0/26

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

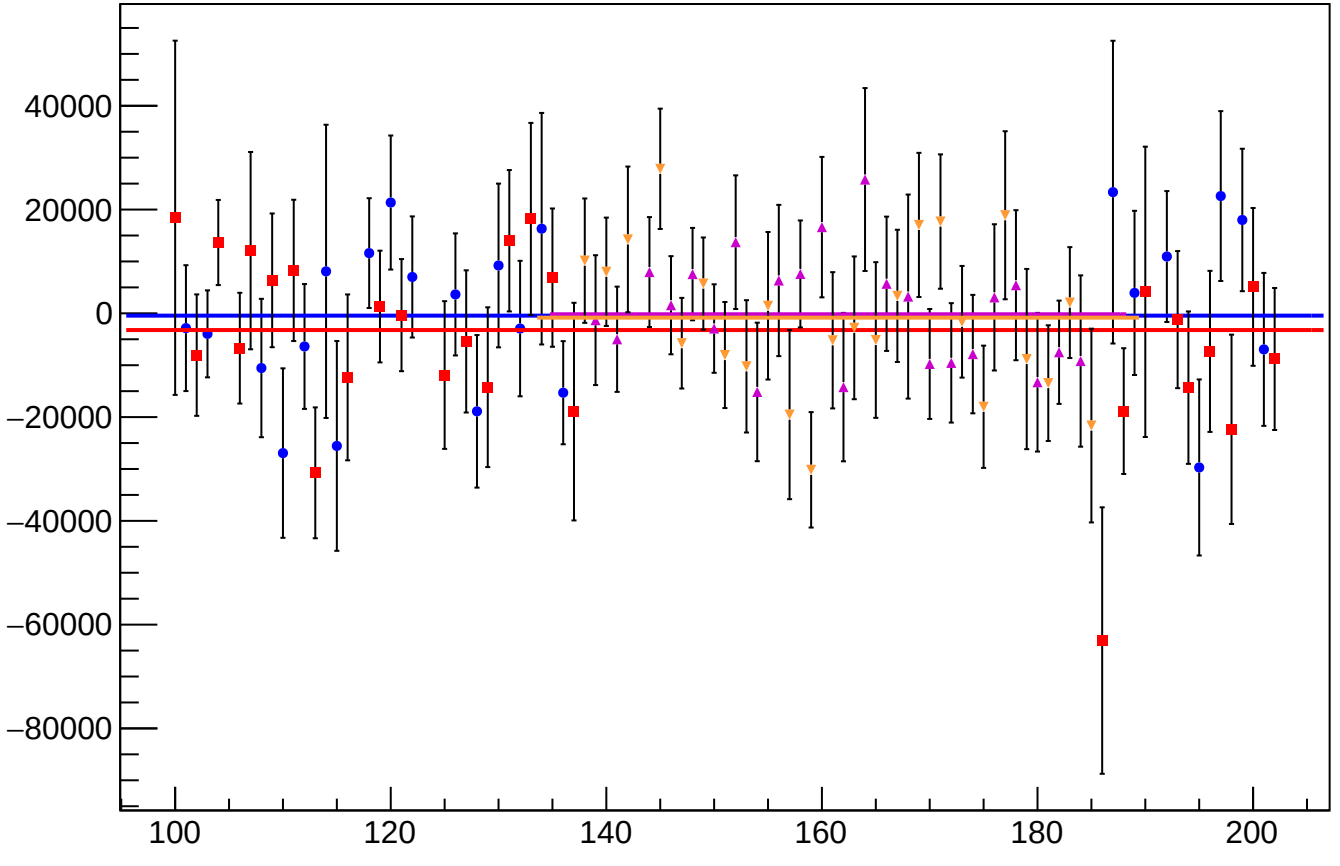
Right: 2201.508+/-0.304 χ^2/NDF: 393375.8/49

In: 2205.438+/-0.282 χ^2/NDF:287028.7/45

Out: 2202.695+/-0.273 χ^2/NDF:275715.8/50

All: 2204.023+/-0.196 χ^2/NDF: 562793.2/96

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -446.142+/-2820.493 χ^2/NDF: 23.3/22

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3223.315+/-2664.578 χ^2/NDF: 26.5/26

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

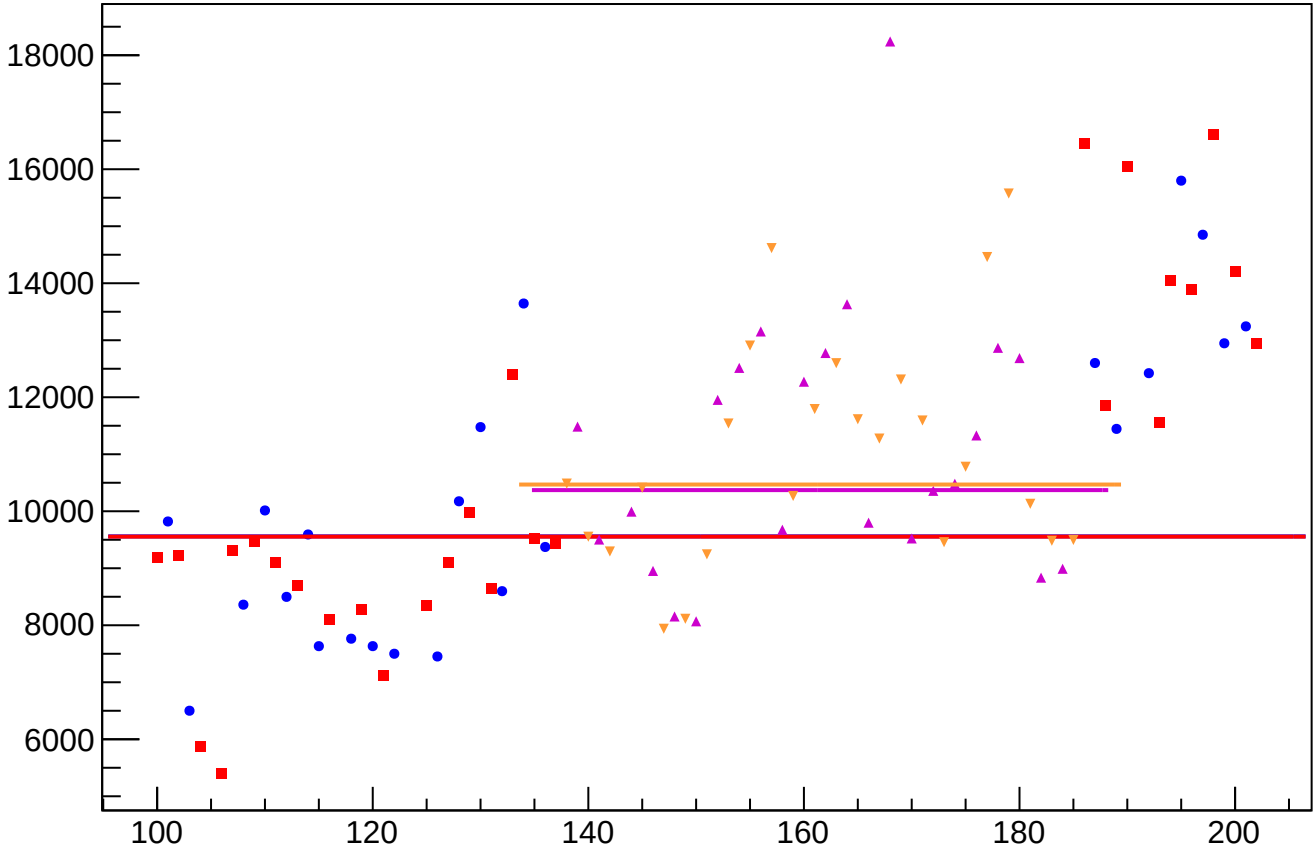
Right: -1913.607+/-1936.916 χ^2/NDF: 50.3/49

In: -296.916+/-1858.709 χ^2/NDF:37.0/45

Out: -1943.457+/-1815.949 χ^2/NDF:56.4/50

All: -1139.343+/-1298.924 χ^2/NDF: 93.9/96

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 9559.312+/-1.994 χ^2/NDF: 1537909.9/22

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9554.766+/-1.884 χ^2/NDF: 2260203.9/26

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

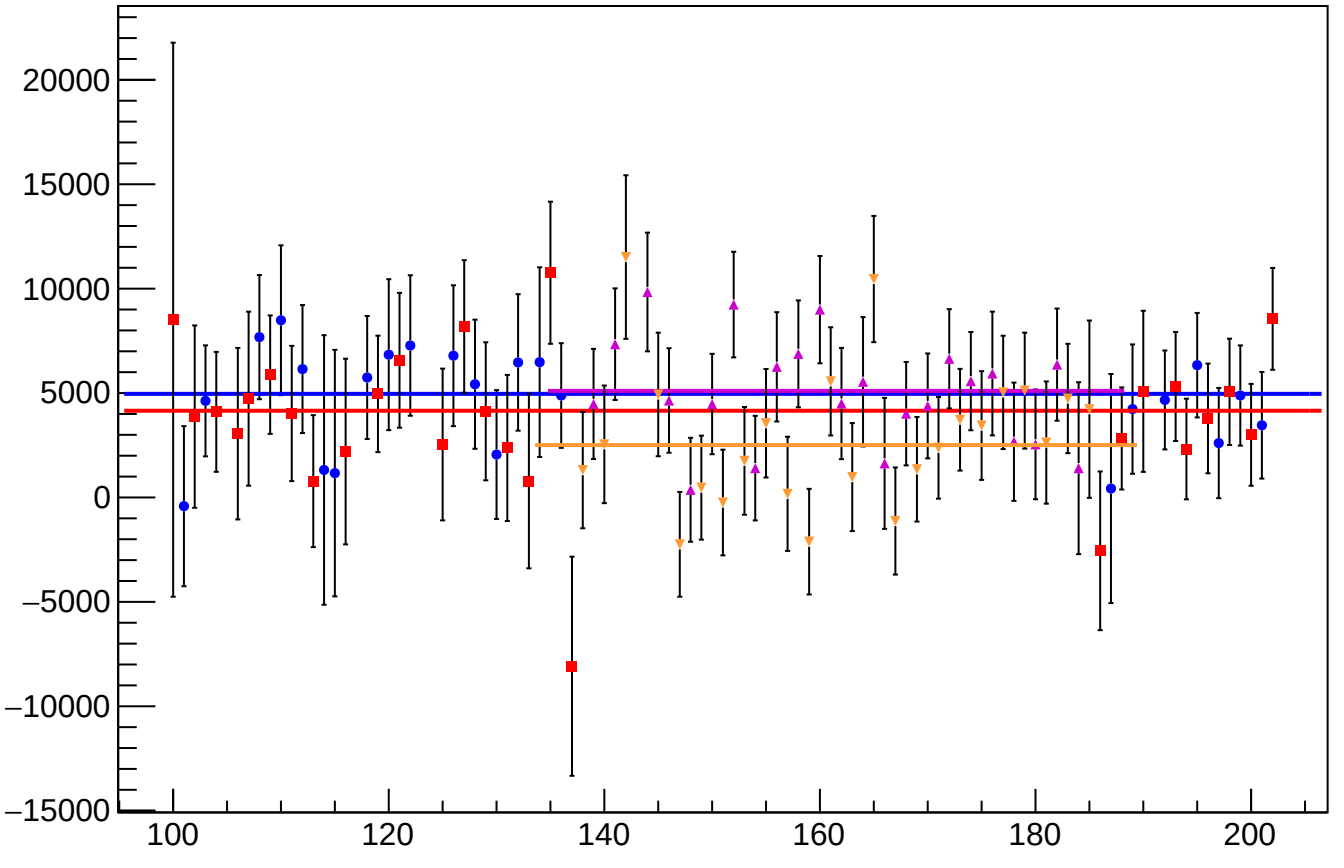
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9556.910+/-1.370 χ^2/NDF: 3798116.5/49

In: 10018.434+/-1.314 χ^2/NDF:2835351.3/45

Out: 10044.199+/-1.284 χ^2/NDF:3431462.4/50

All: 10031.616+/-0.918 χ^2/NDF: 6267010.3/9



Right In: 4961.805+/-647.578 χ^2/NDF: 9.2/22

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 4153.174+/-611.126 χ^2/NDF: 22.4/26

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

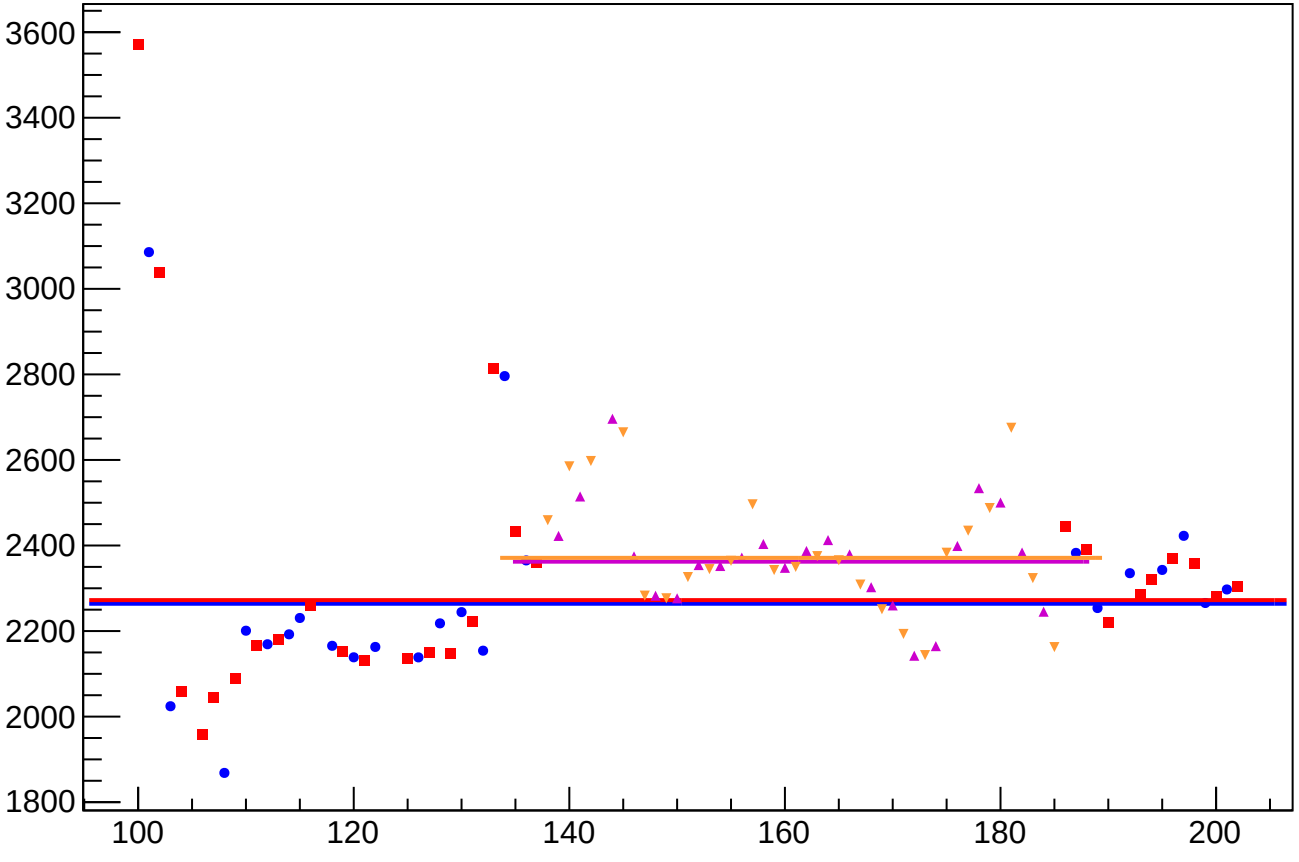
Right: 4534.091+/-444.460 χ^2/NDF: 32.4/49

In: 5043.505+/-420.348 χ^2/NDF:29.1/45

Out: 3247.121+/-409.473 χ^2/NDF:56.1/50

All: 4121.774+/-293.310 χ^2/NDF: 94.7/96

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2263.856+/-0.458 χ^2/NDF: 201463.6/22

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2272.332+/-0.432 χ^2/NDF: 192671.6/26

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

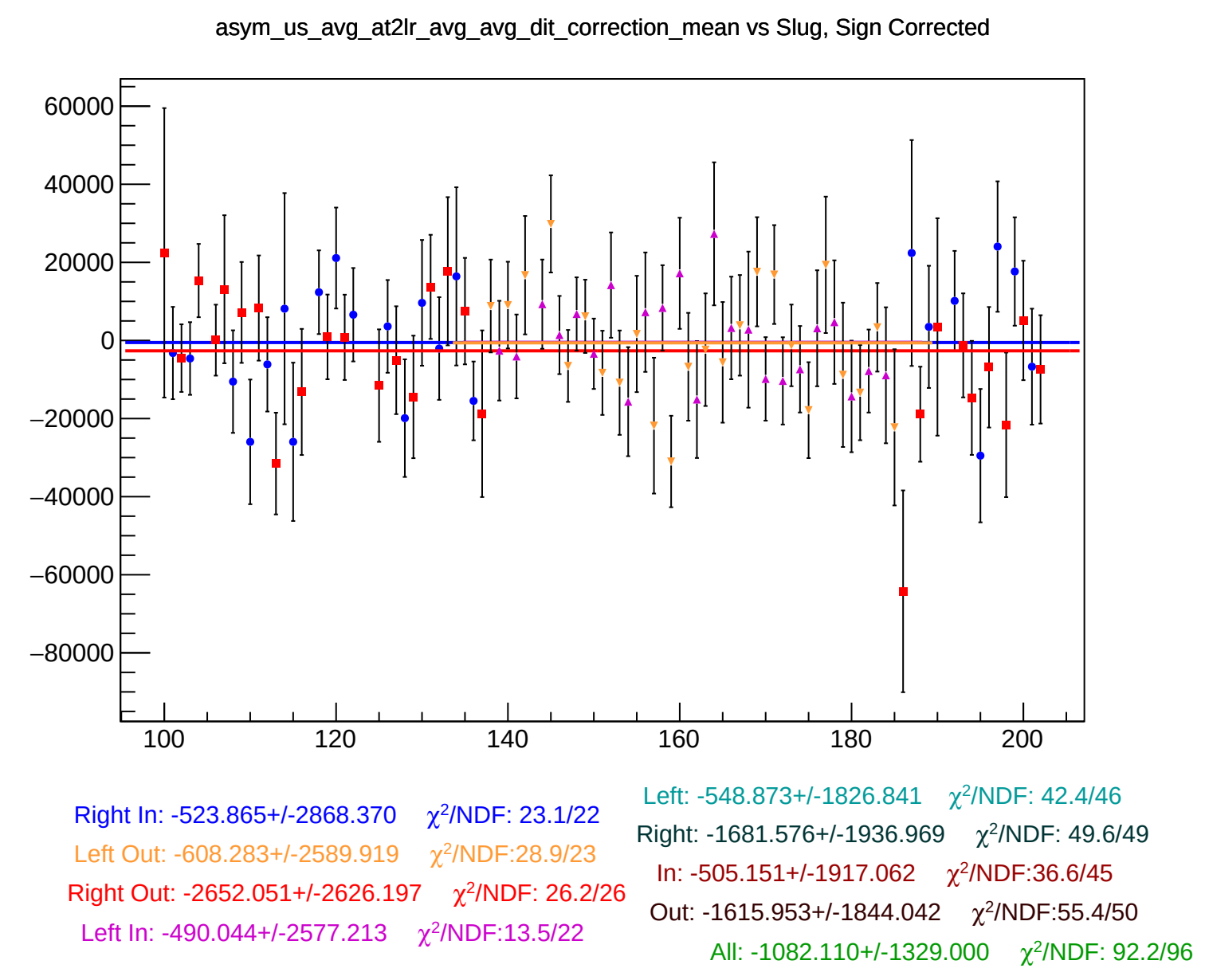
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

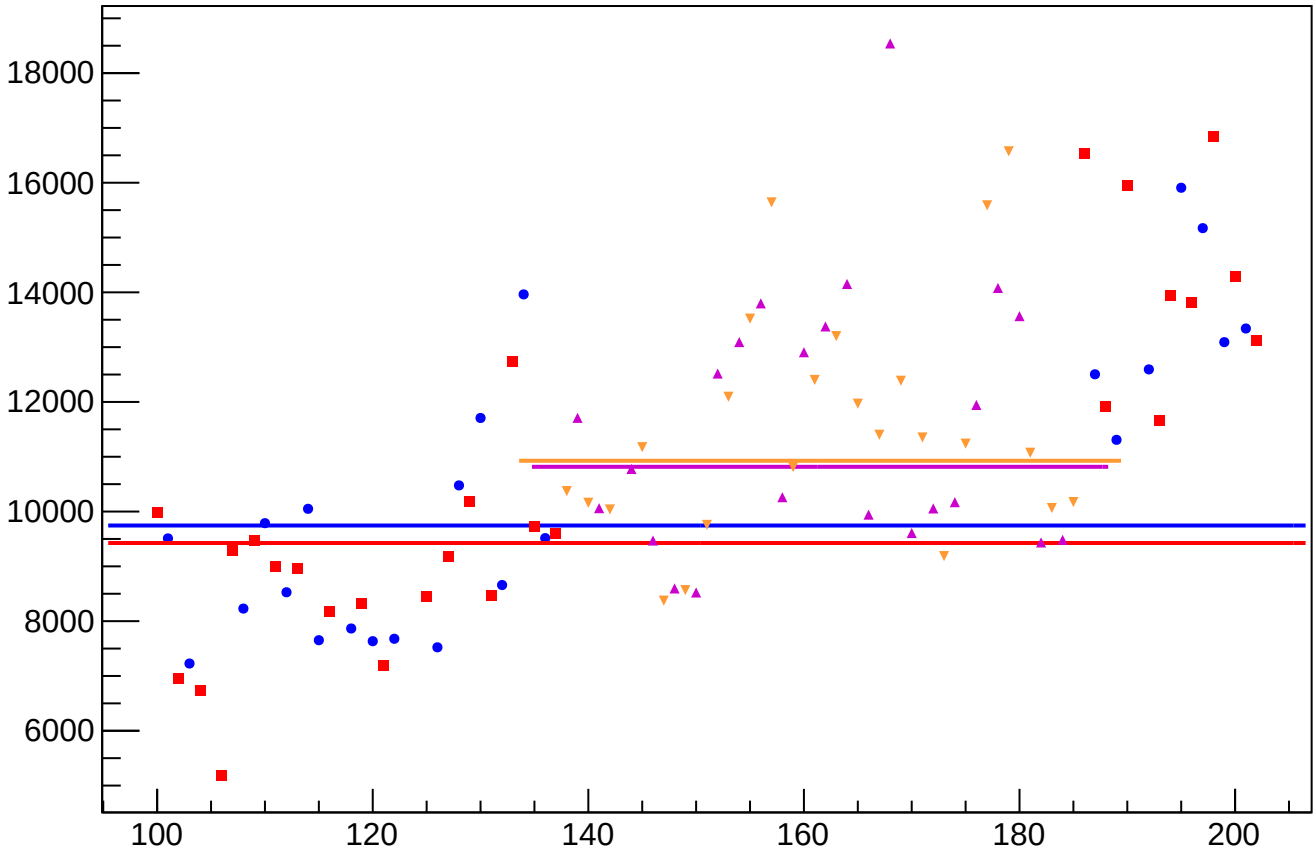
Right: 2268.340+/-0.314 χ^2/NDF: 394316.4/49

In: 2320.774+/-0.297 χ^2/NDF:320061.0/45

Out: 2326.763+/-0.289 χ^2/NDF:337787.3/50

All: 2323.848+/-0.207 χ^2/NDF: 658056.7/96


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
Right In: -523.865+/-2868.370 χ²/NDF: 23.1/22
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -2652.051+/-2626.197 χ²/NDF: 26.2/26
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: -1681.576+/-1936.969 χ²/NDF: 49.6/49
In: -505.151+/-1917.062 χ²/NDF:36.6/45
Out: -1615.953+/-1844.042 χ²/NDF:55.4/50
All: -1082.110+/-1329.000 χ²/NDF: 92.2/96



Right In: 9745.246+/-2.028 χ^2/NDF: 1419794.8/22

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 9426.286+/-1.857 χ^2/NDF: 2389664.7/26

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

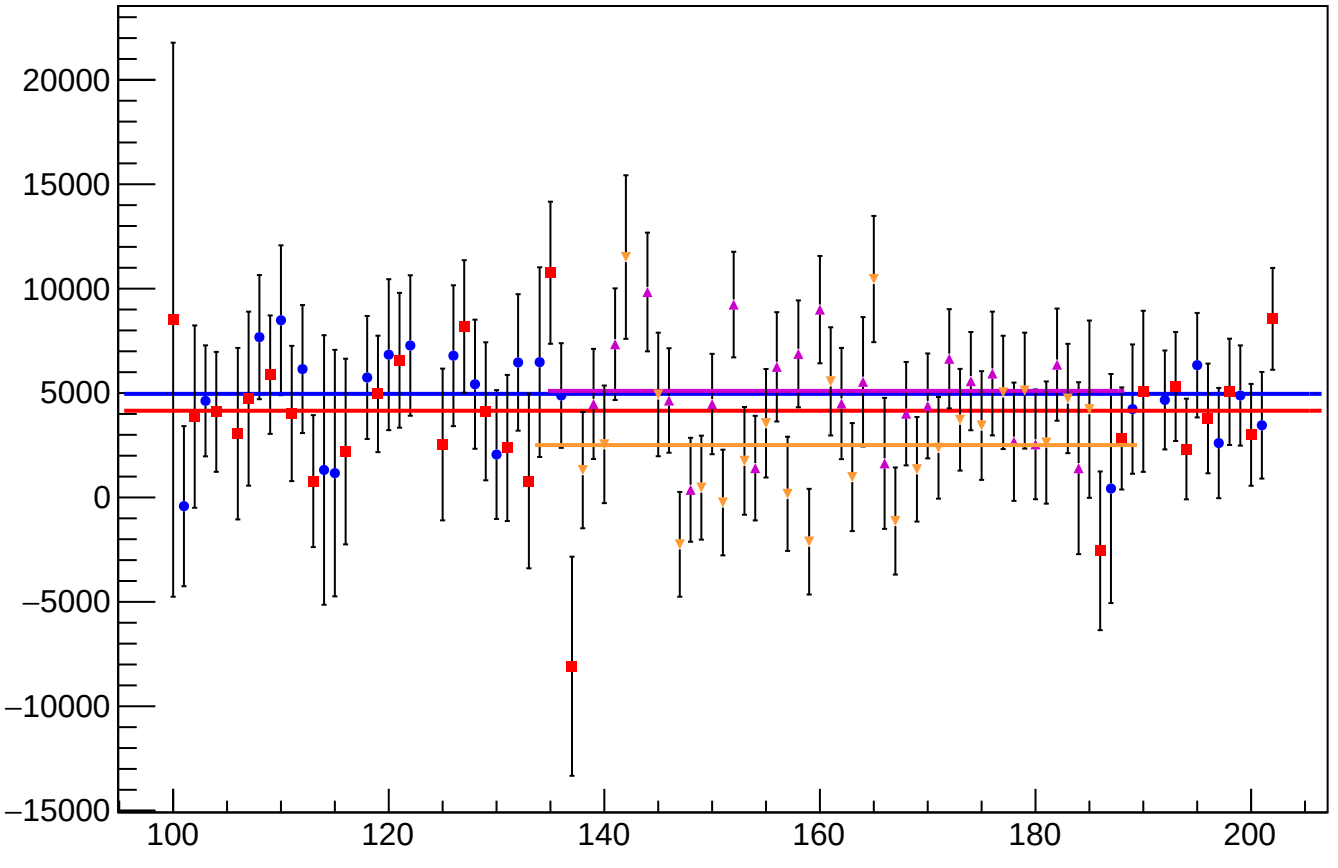
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 9571.735+/-1.370 χ^2/NDF: 3822912.6/49

In: 10337.886+/-1.356 χ^2/NDF:2770917.4/45

Out: 10187.009+/-1.304 χ^2/NDF:3778019.6/50

All: 10259.520+/-0.940 χ^2/NDF: 6555371.5/9



Right In: 4961.803+/-647.578 χ^2/NDF: 9.2/22

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 4153.173+/-611.126 χ^2/NDF: 22.4/26

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

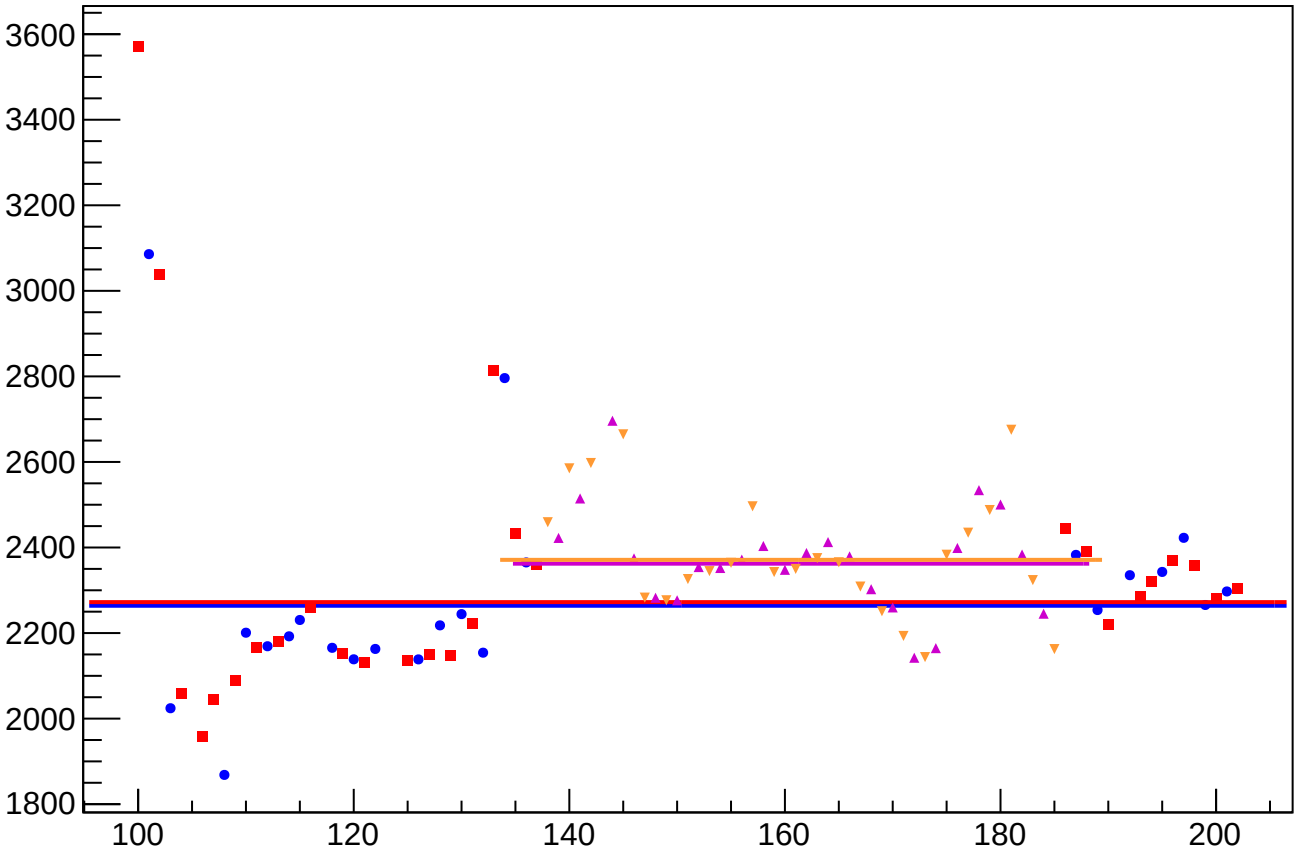
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4534.090+/-444.460 χ^2/NDF: 32.4/49

In: 5043.505+/-420.348 χ^2/NDF:29.1/45

Out: 3247.114+/-409.473 χ^2/NDF:56.1/50

All: 4121.771+/-293.310 χ^2/NDF: 94.7/96



Right In: 2263.856+/-0.458 χ^2/NDF: 201464.0/22

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2272.331+/-0.432 χ^2/NDF: 192671.9/26

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

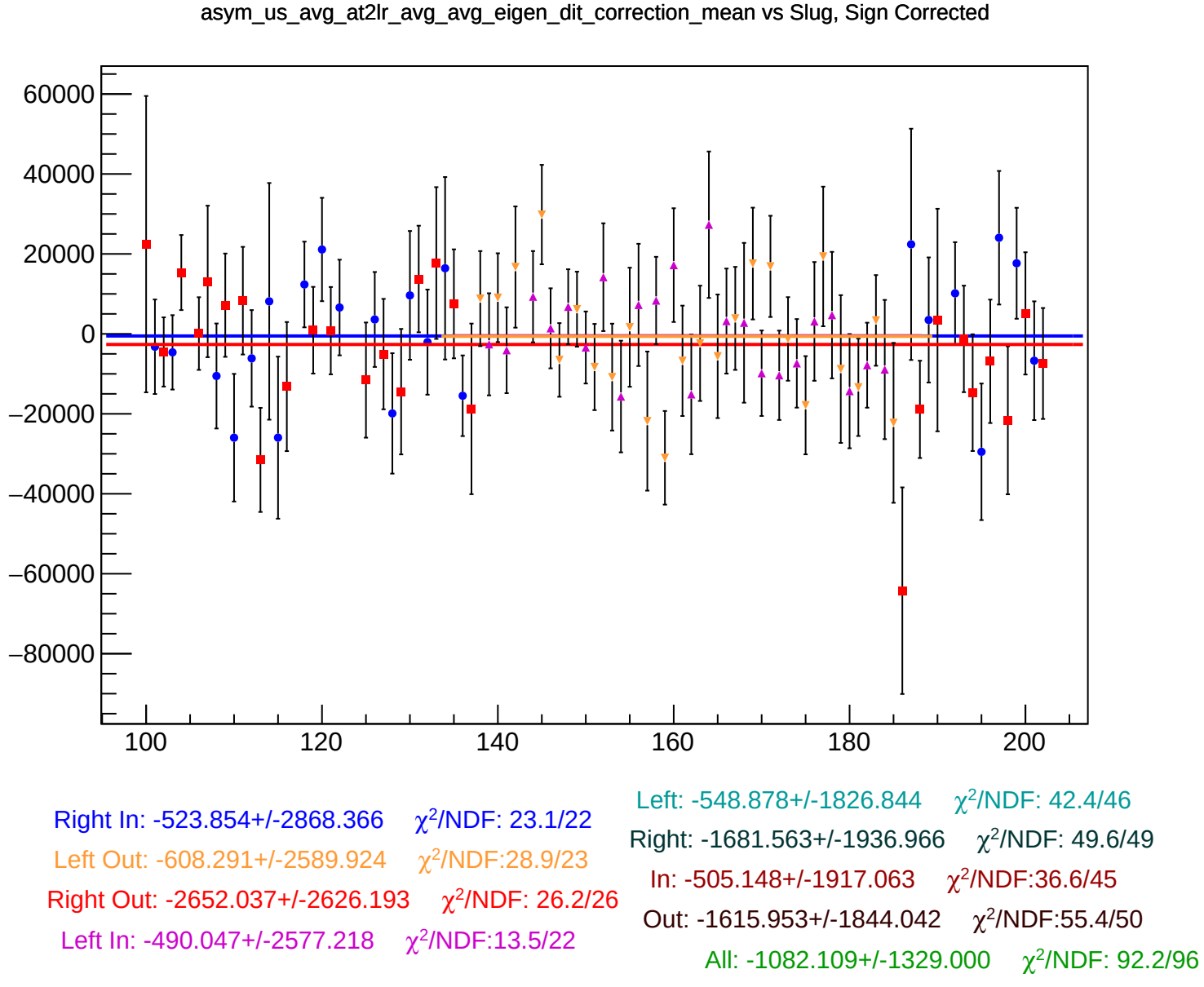
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2268.340+/-0.314 χ^2/NDF: 394317.1/49

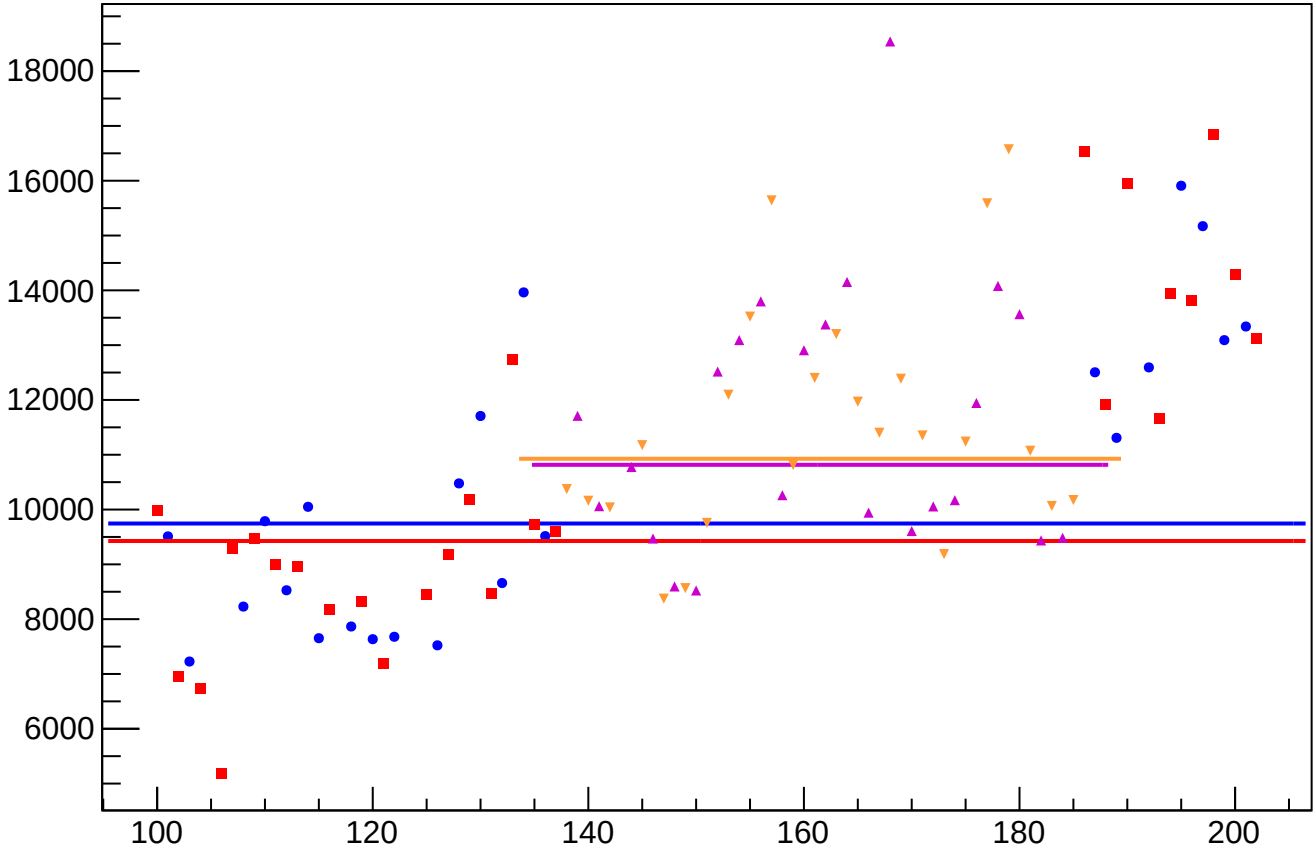
In: 2320.776+/-0.297 χ^2/NDF:320068.0/45

Out: 2326.765+/-0.289 χ^2/NDF:337793.9/50

All: 2323.849+/-0.207 χ^2/NDF: 658070.3/96


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -523.854+/-2868.366 χ²/NDF: 23.1/22
Left Out: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: -2652.037+/-2626.193 χ²/NDF: 26.2/26
Left In: -490.047+/-2577.218 χ²/NDF:13.5/22
Left: -548.878+/-1826.844 χ²/NDF: 42.4/46
Right: -1681.563+/-1936.966 χ²/NDF: 49.6/49
In: -505.148+/-1917.063 χ²/NDF:36.6/45
Out: -1615.953+/-1844.042 χ²/NDF:55.4/50
All: -1082.109+/-1329.000 χ²/NDF: 92.2/96

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 9745.228+/-2.028 χ^2/NDF: 1419812.7/22

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9426.270+/-1.857 χ^2/NDF: 2389681.0/26

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

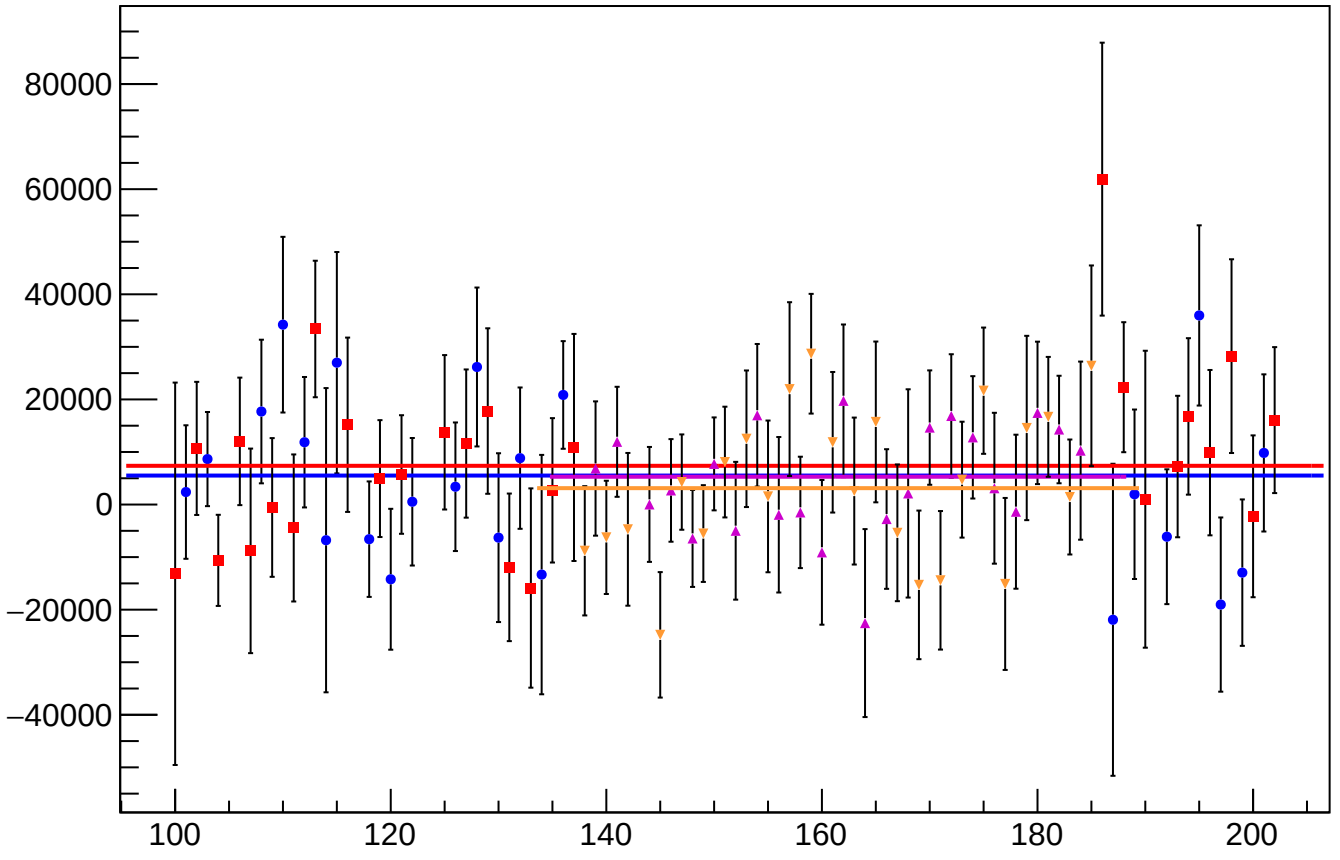
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 9571.718+/-1.370 χ^2/NDF: 3822946.7/49

In: 10337.886+/-1.356 χ^2/NDF:2770949.1/45

Out: 10187.008+/-1.304 χ^2/NDF:3778053.3/50

All: 10259.519+/-0.940 χ^2/NDF: 6555436.9/9



Right In: 5515.138+/-2912.787 χ^2/NDF: 23.3/22

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 7370.980+/-2764.920 χ^2/NDF: 23.6/26

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

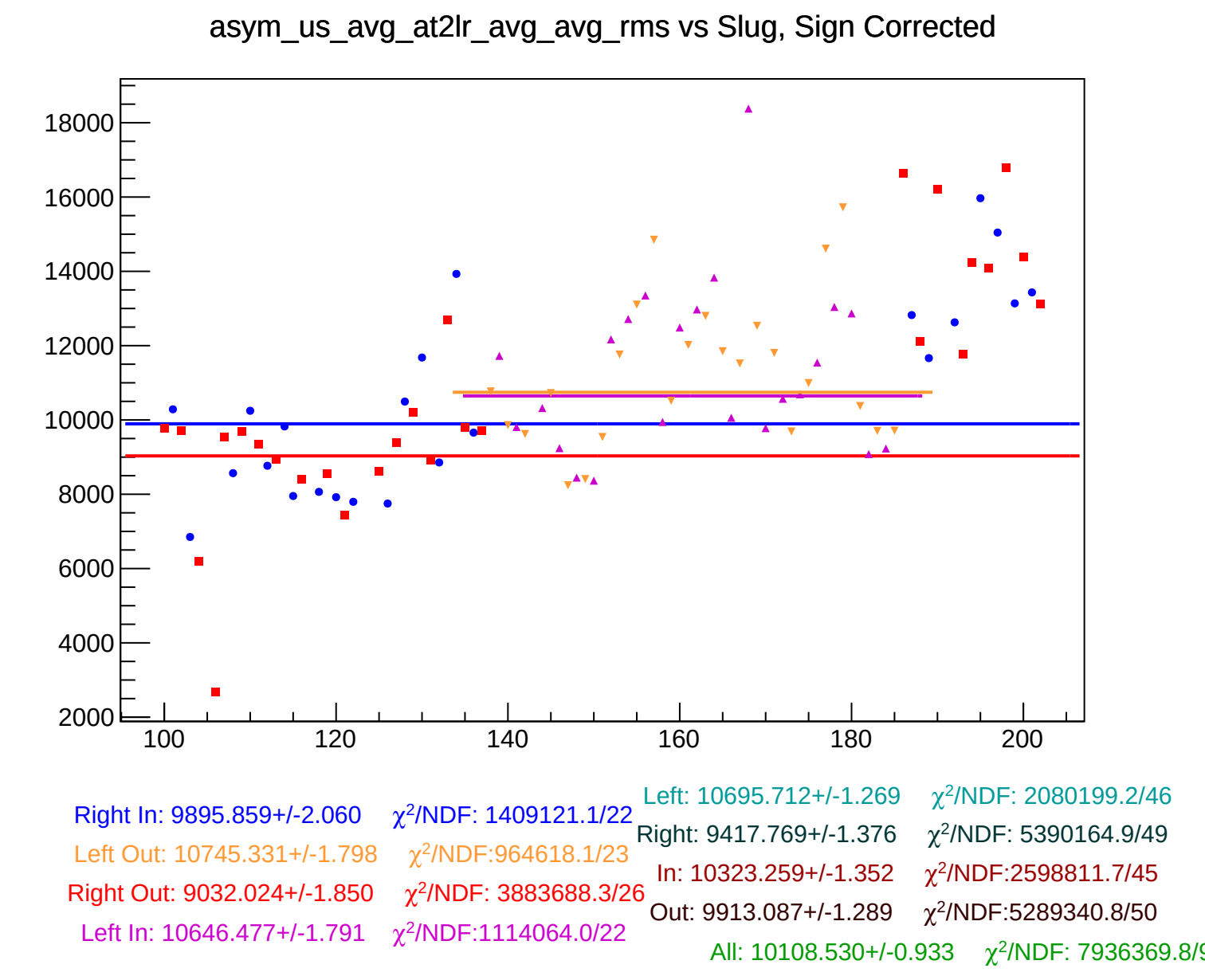
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

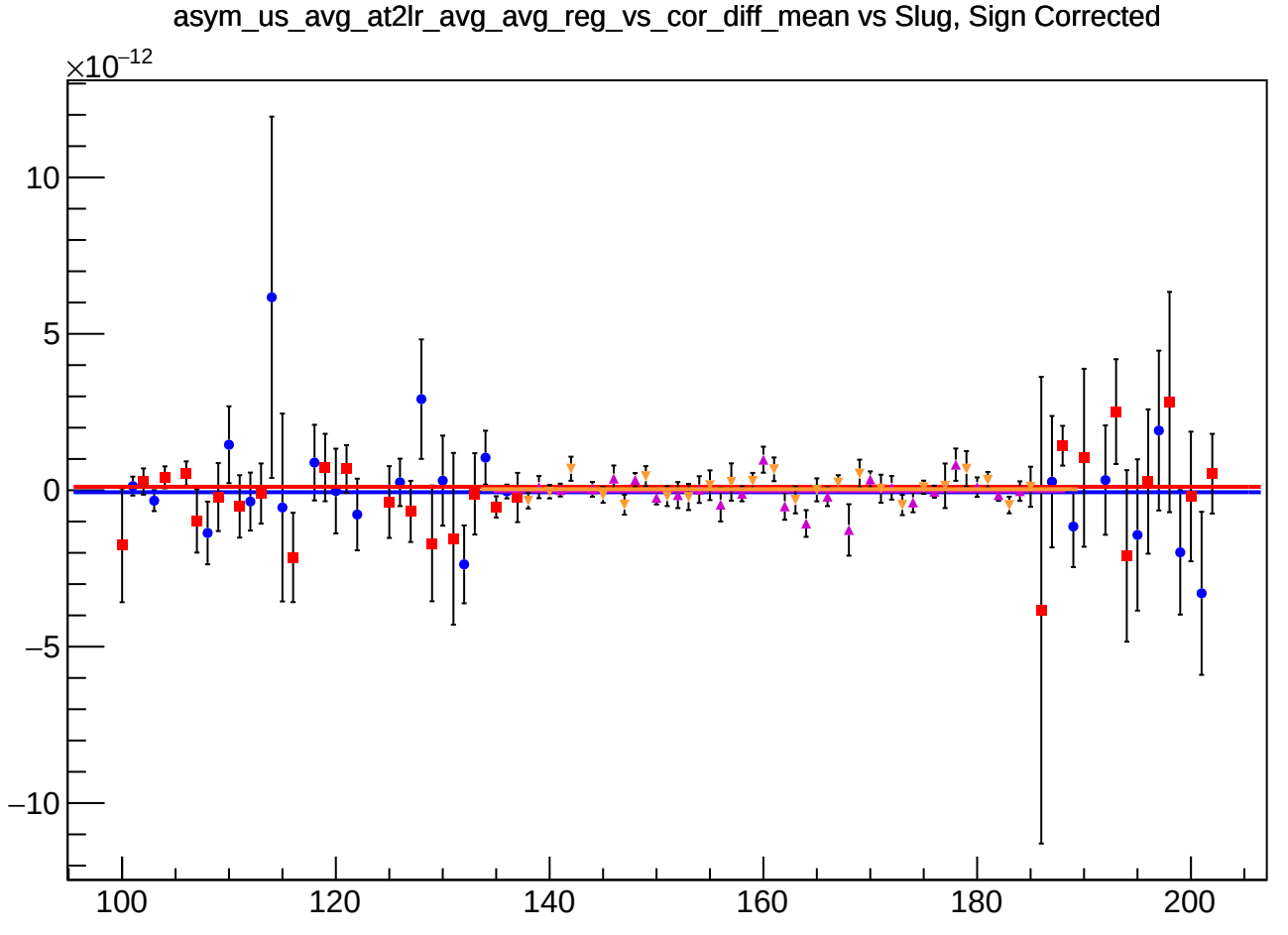
Right: 6491.358+/-2005.331 χ^2/NDF: 47.1/49

In: 5387.353+/-1911.368 χ^2/NDF:36.6/45

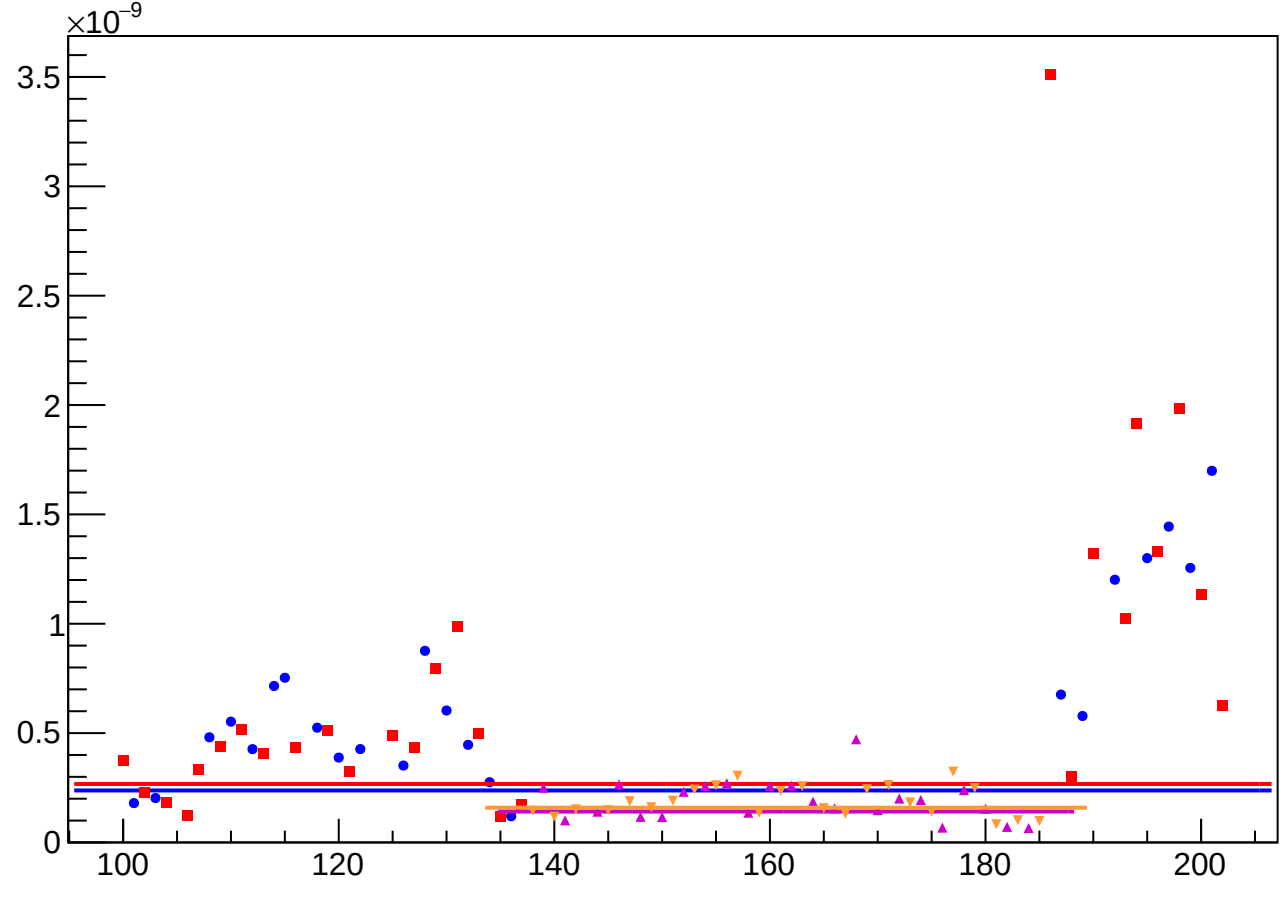
Out: 5067.495+/-1871.660 χ^2/NDF:52.3/50

All: 5224.067+/-1337.281 χ^2/NDF: 89.0/96


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9895.859+/-2.060 χ²/NDF: 1409121.1/22
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 9032.024+/-1.850 χ²/NDF: 3883688.3/26
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 9417.769+/-1.376 χ²/NDF: 5390164.9/49
In: 10323.259+/-1.352 χ²/NDF:2598811.7/45
Out: 9913.087+/-1.289 χ²/NDF:5289340.8/50
All: 10108.530+/-0.933 χ²/NDF: 7936369.8/9


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 18.5/22
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.3/26
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
Left: 0.000+/-0.000 χ²/NDF: 54.6/46
Right: 0.000+/-0.000 χ²/NDF: 41.5/49
In: -0.000+/-0.000 χ²/NDF:46.5/45
Out: 0.000+/-0.000 χ²/NDF:48.7/50
All: 0.000+/-0.000 χ²/NDF: 96.1/96

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4534770.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4872567.1/26

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

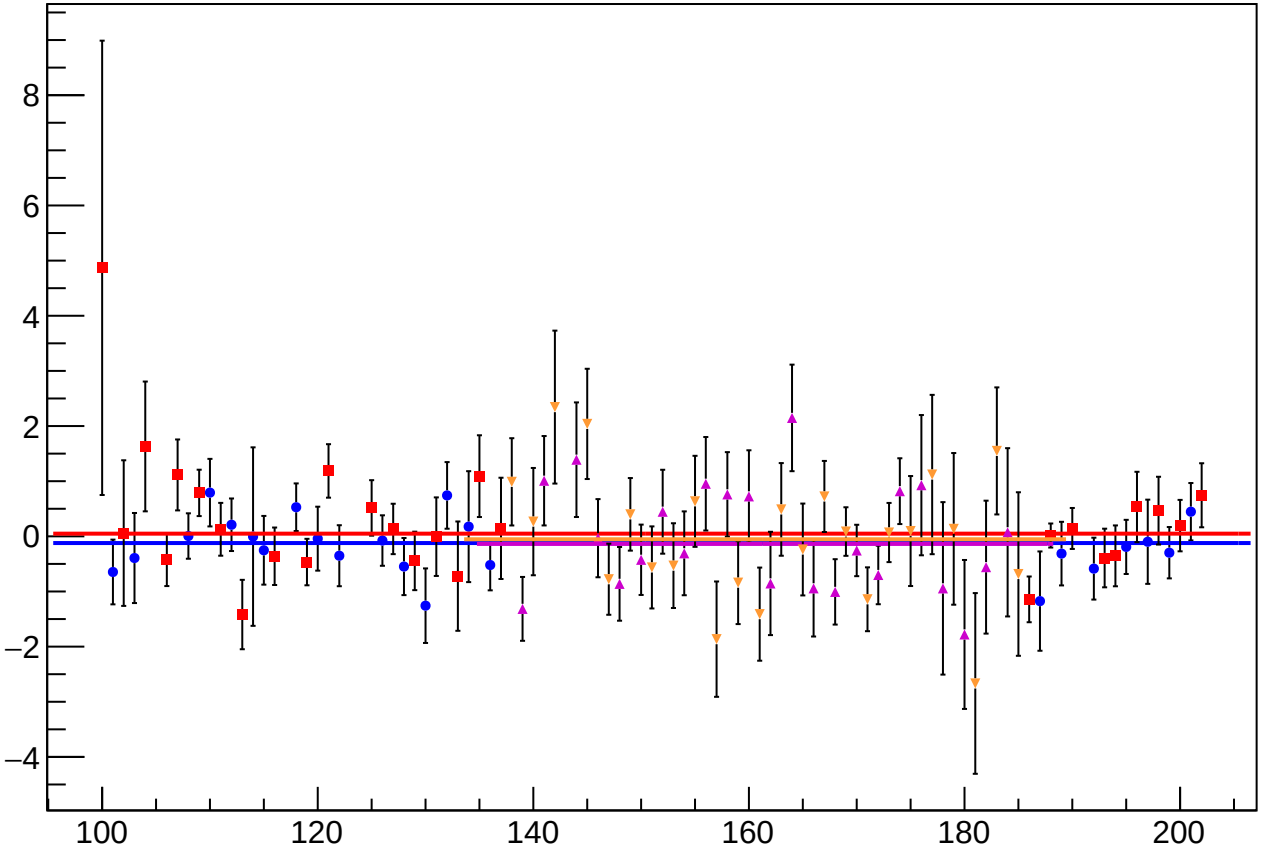
Right: 0.000+/-0.000 χ^2/NDF: 9449759.6/49

In: 0.000+/-0.000 χ^2/NDF:7739097.8/45

Out: 0.000+/-0.000 χ^2/NDF:7059717.4/50

All: 0.000+/-0.000 χ^2/NDF: 14915304.4/96

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.049+/-0.097 χ^2/NDF: 39.6/26

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

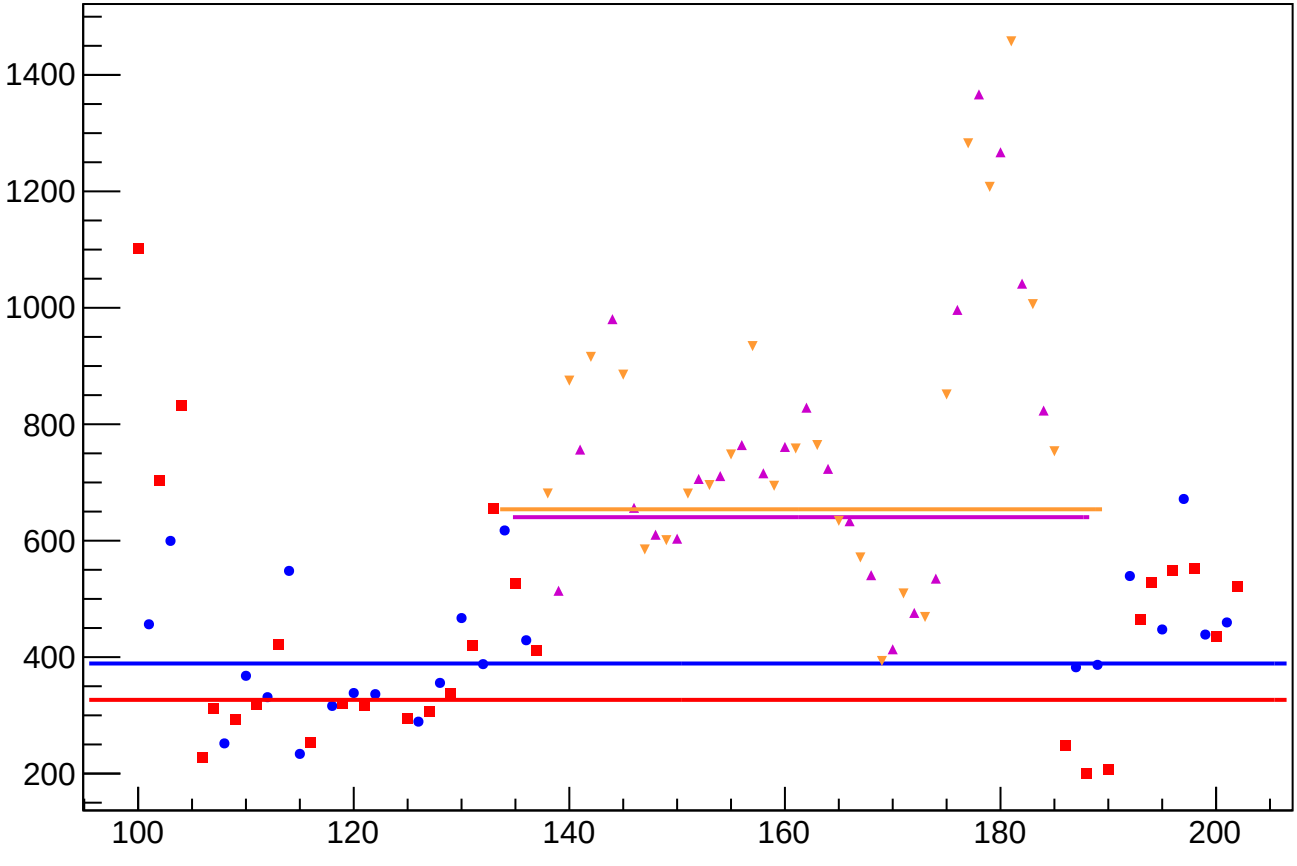
Right: -0.021+/-0.075 χ^2/NDF: 56.9/49

In: -0.127+/-0.094 χ^2/NDF:46.1/45

Out: 0.022+/-0.083 χ^2/NDF:70.0/50

All: -0.044+/-0.062 χ^2/NDF: 117.5/96

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 389.062+/-0.083 χ^2/NDF: 1401028.9/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 326.596+/-0.069 χ^2/NDF: 3420872.1/26

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

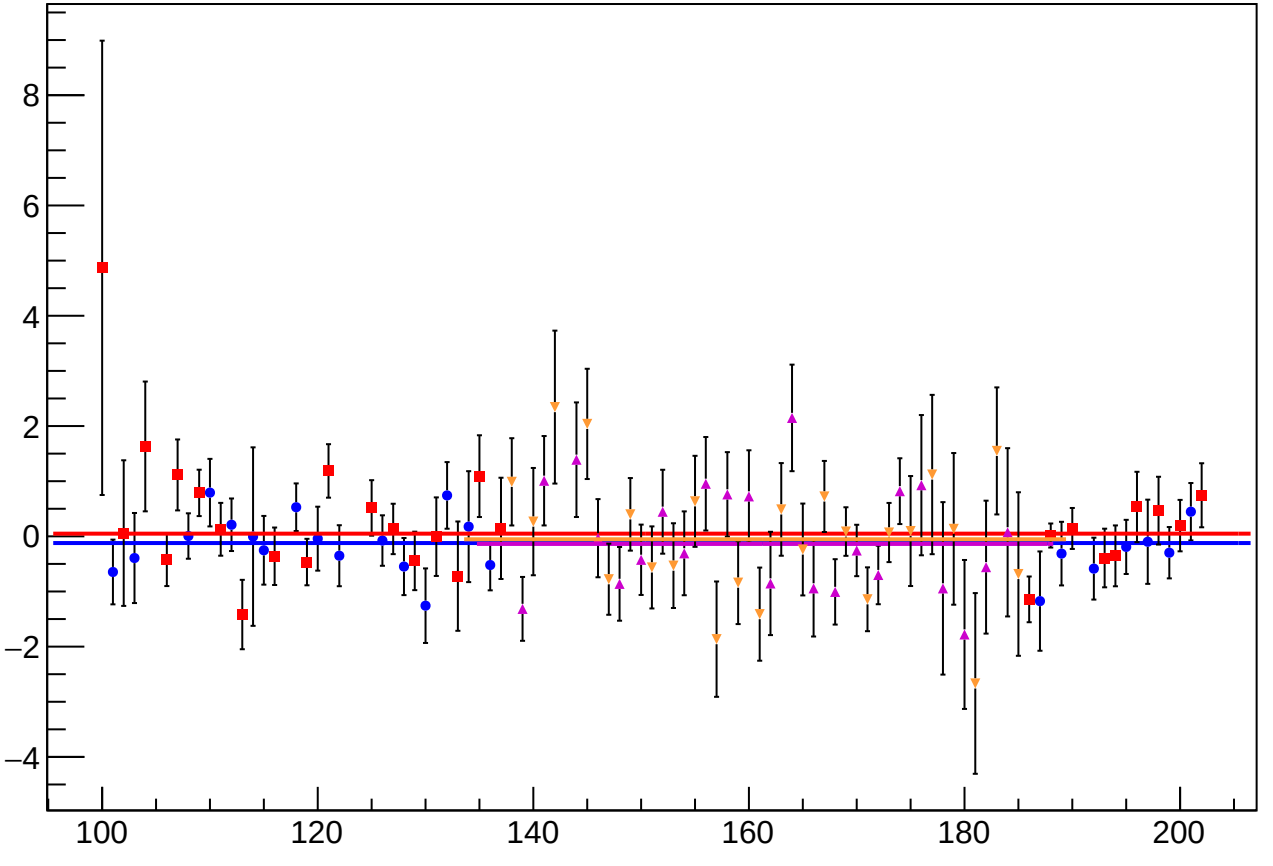
Right: 351.987+/-0.053 χ^2/NDF: 5158551.7/49

In: 478.462+/-0.067 χ^2/NDF:7315092.4/45

Out: 413.606+/-0.059 χ^2/NDF:12590472.6/50

All: 442.035+/-0.044 χ^2/NDF: 20438581.7/96

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.049+/-0.097 χ^2/NDF: 39.6/26

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

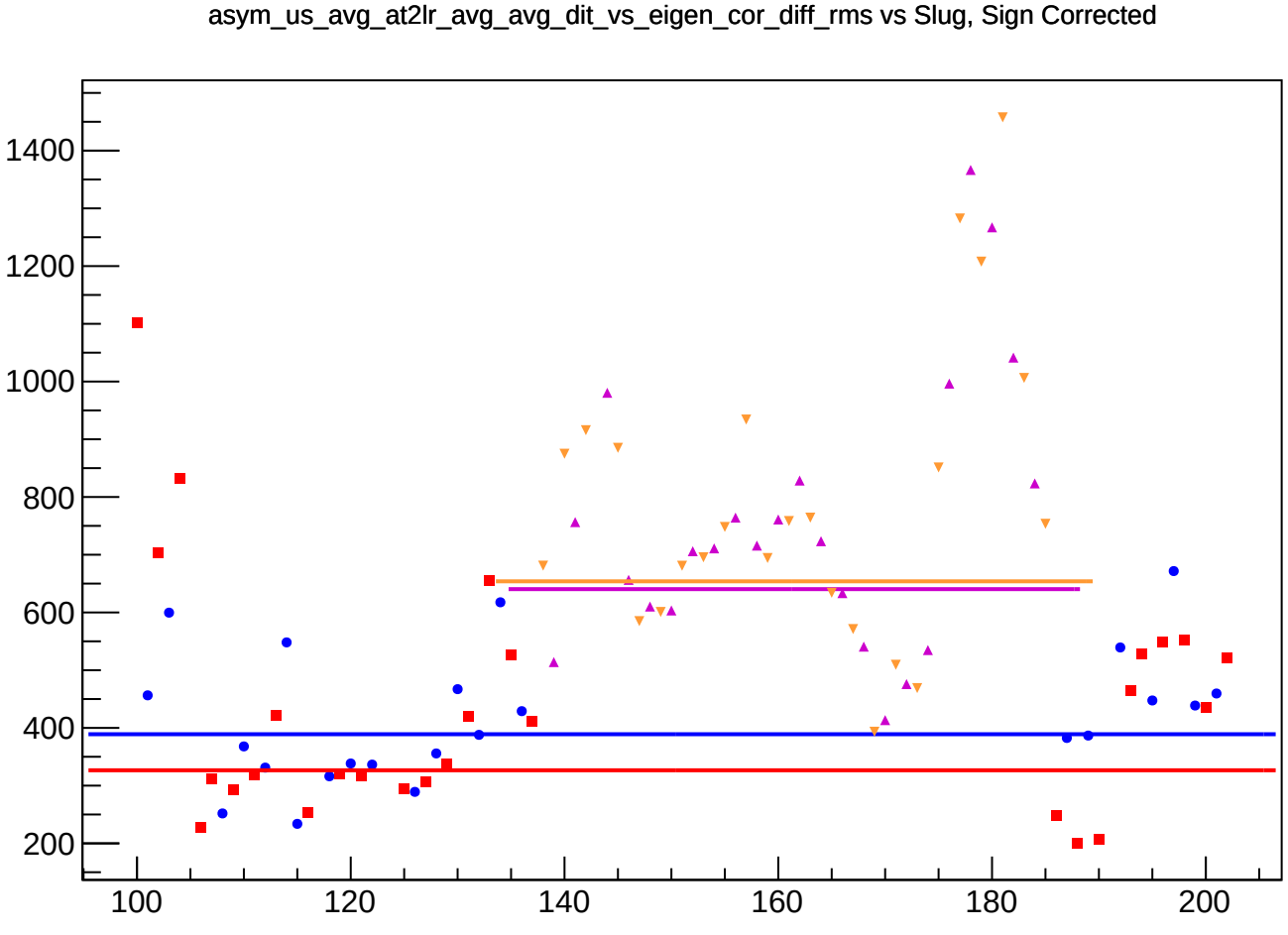
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.021+/-0.075 χ^2/NDF: 56.9/49

In: -0.127+/-0.094 χ^2/NDF:46.1/45

Out: 0.022+/-0.083 χ^2/NDF:70.0/50

All: -0.044+/-0.062 χ^2/NDF: 117.5/96



Right In: 389.062+/-0.083 χ^2/NDF: 1401028.9/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 326.596+/-0.069 χ^2/NDF: 3420872.1/26

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

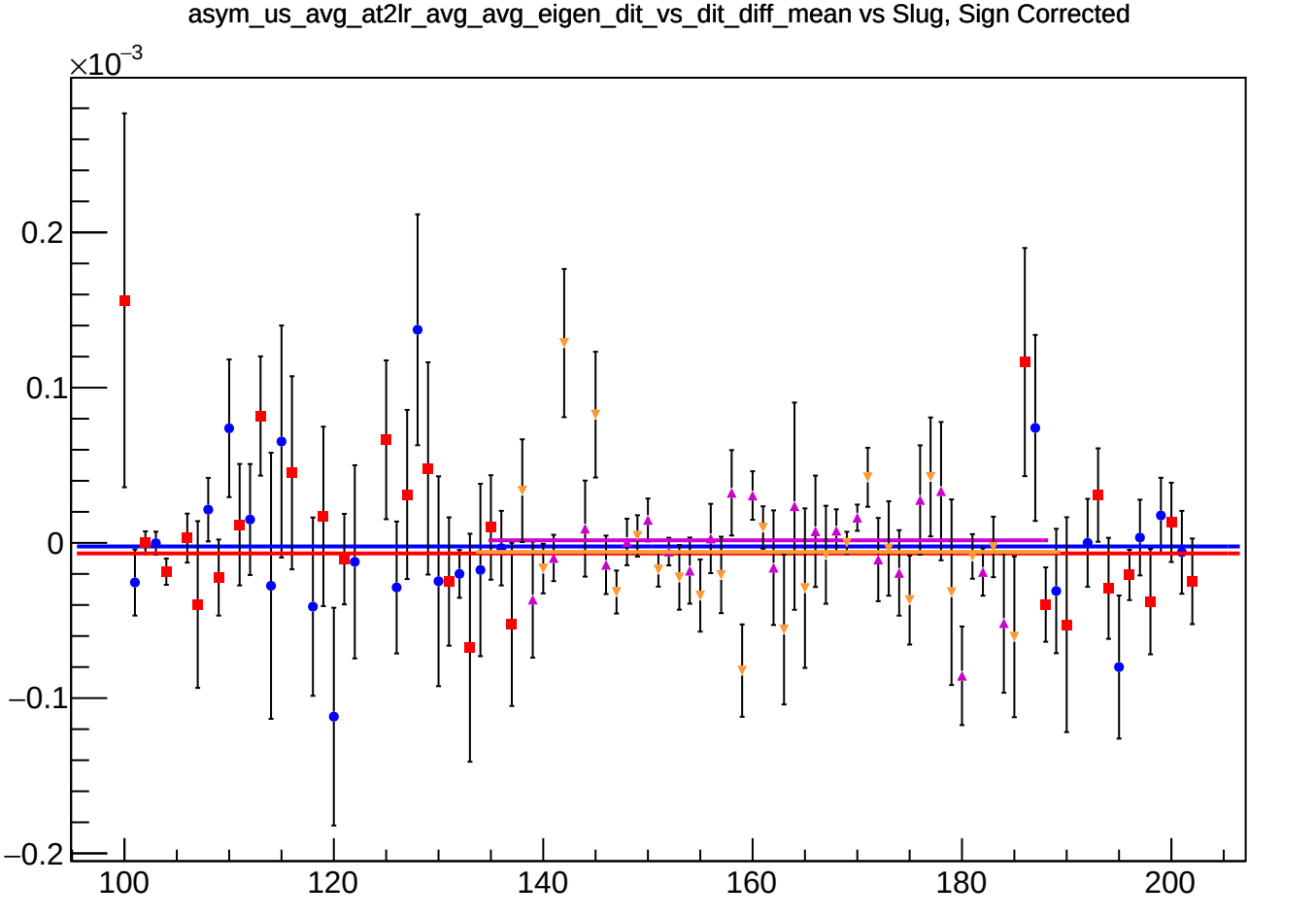
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 351.987+/-0.053 χ^2/NDF: 5158551.7/49

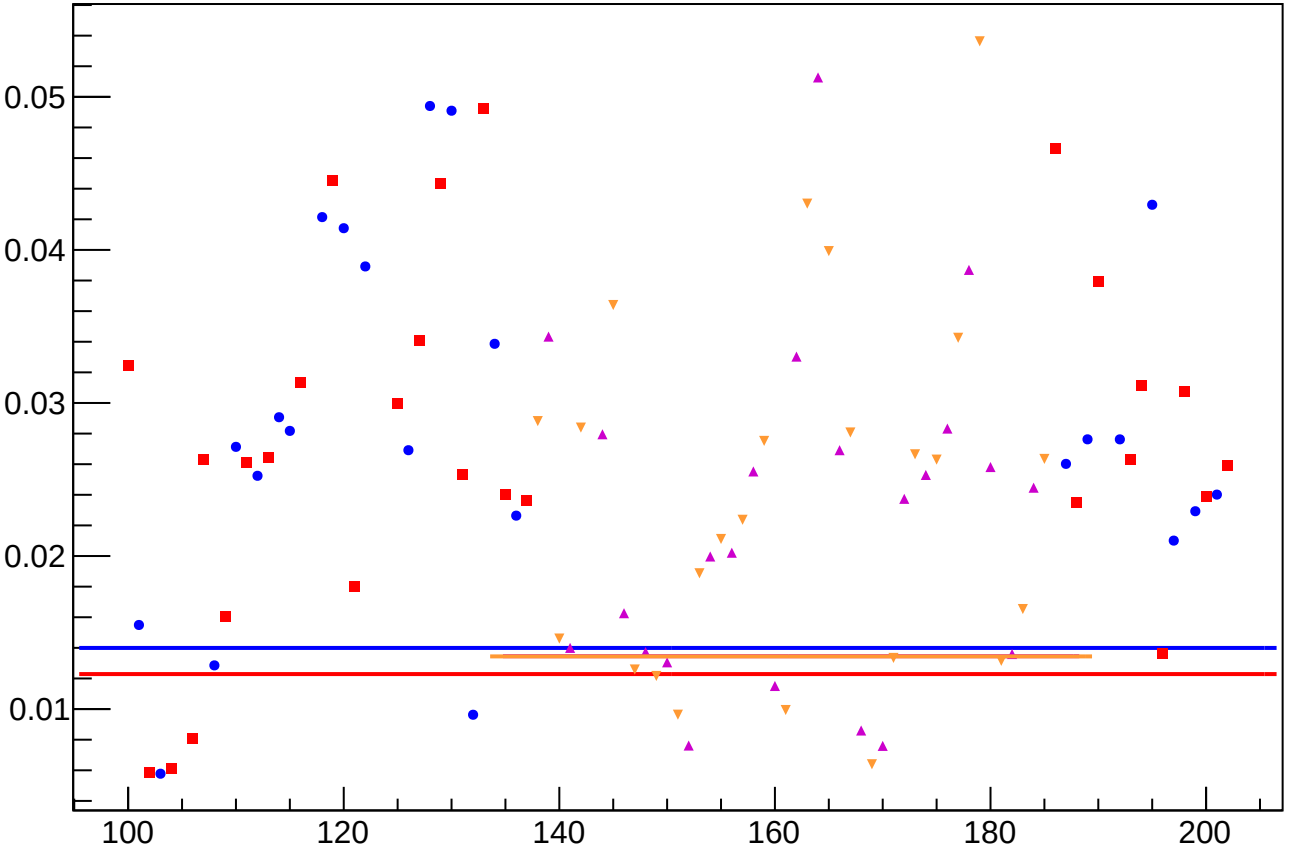
In: 478.462+/-0.067 χ^2/NDF:7315092.4/45

Out: 413.606+/-0.059 χ^2/NDF:12590472.6/50

All: 442.035+/-0.044 χ^2/NDF: 20438581.7/96


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.8/22
Left Out: -0.000+/-0.000 χ²/NDF:42.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/26
Left In: 0.000+/-0.000 χ²/NDF:25.6/22
Left: -0.000+/-0.000 χ²/NDF: 70.2/46
Right: -0.000+/-0.000 χ²/NDF: 48.3/49
In: 0.000+/-0.000 χ²/NDF:46.8/45
Out: -0.000+/-0.000 χ²/NDF:69.7/50
All: -0.000+/-0.000 χ²/NDF: 119.0/96

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 8213742.7/22

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.012+/-0.000 χ^2/NDF: 10206702.1/26

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

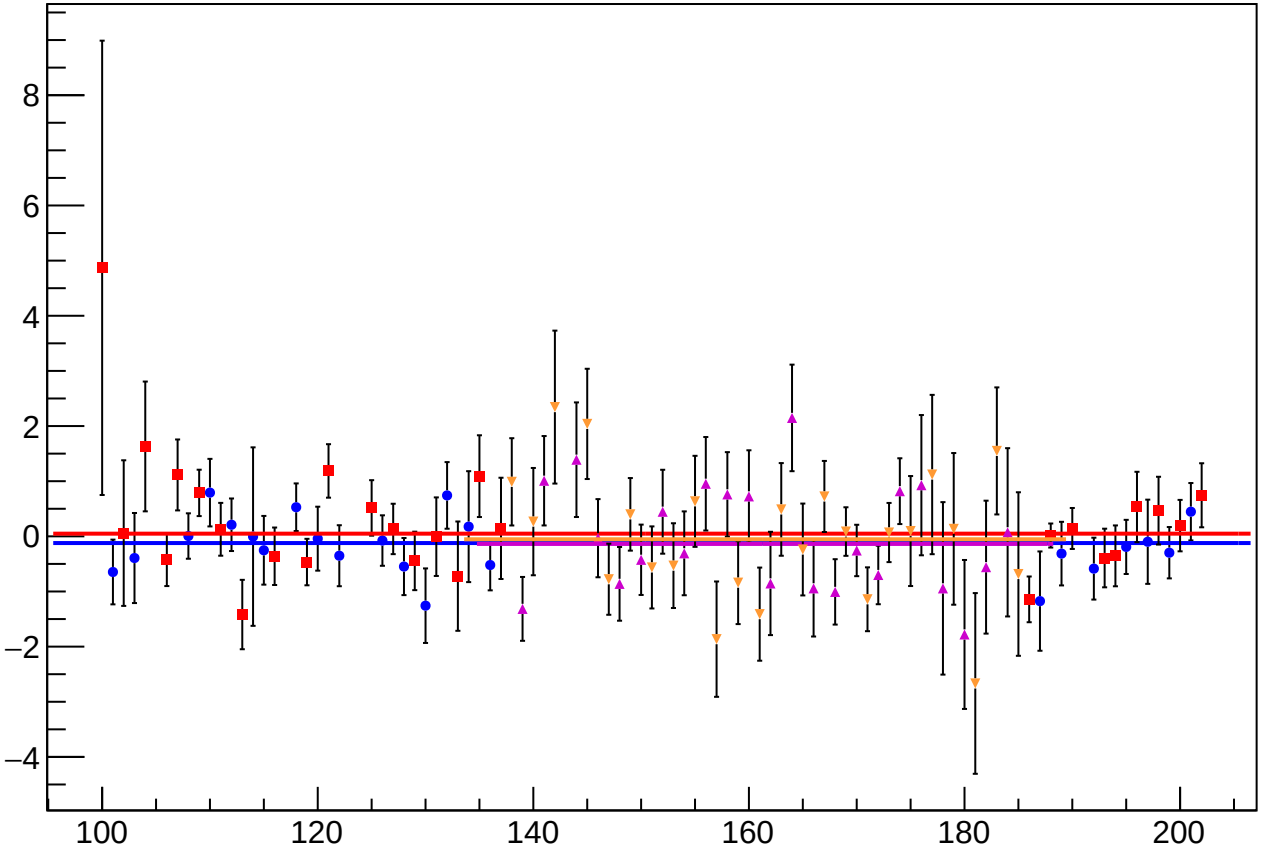
Right: 0.013+/-0.000 χ^2/NDF: 18556513.8/49

In: 0.014+/-0.000 χ^2/NDF:15776893.5/45

Out: 0.013+/-0.000 χ^2/NDF:19147685.4/50

All: 0.013+/-0.000 χ^2/NDF: 34985110.1/96

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.049+/-0.097 χ^2/NDF: 39.6/26

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

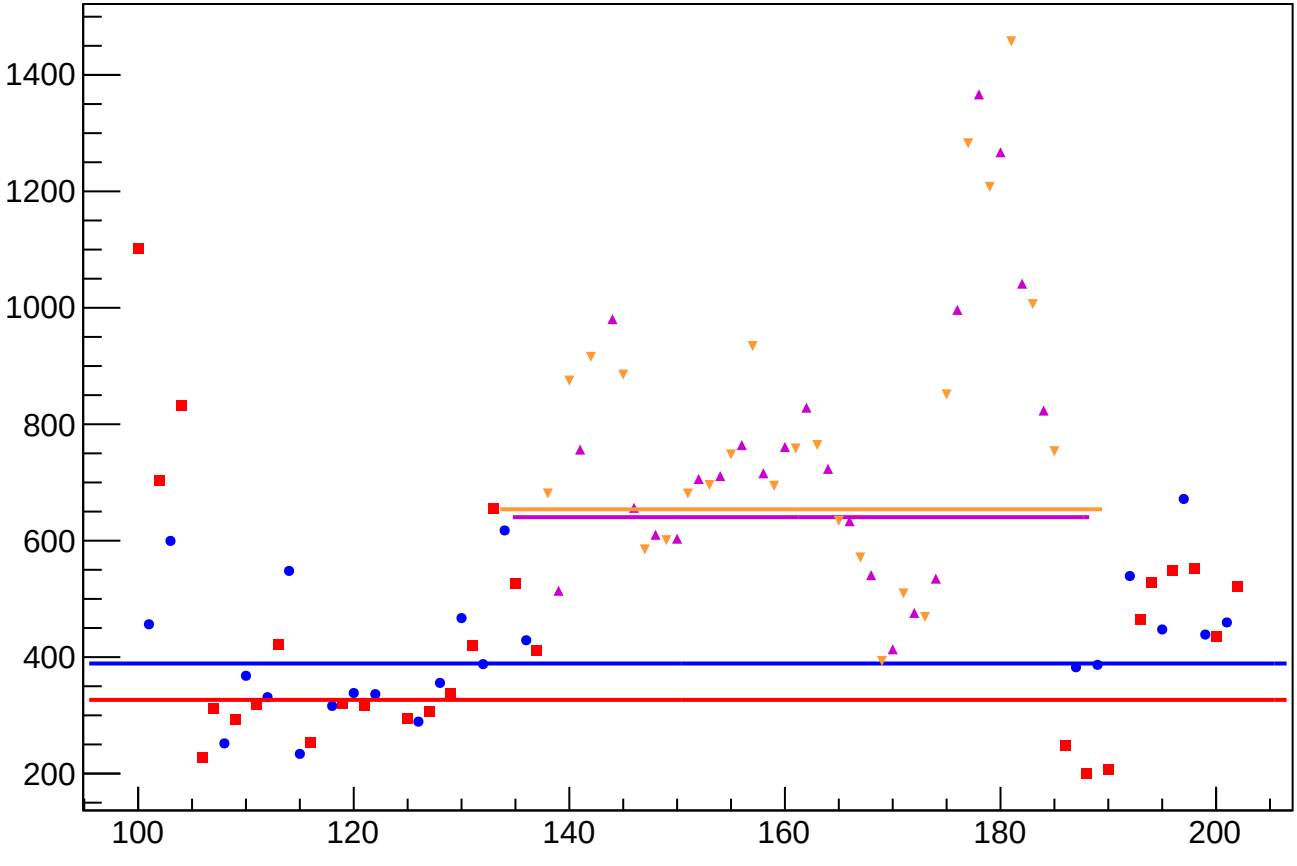
Right: -0.021+/-0.075 χ^2/NDF: 56.9/49

In: -0.127+/-0.094 χ^2/NDF:46.1/45

Out: 0.021+/-0.083 χ^2/NDF:70.0/50

All: -0.044+/-0.062 χ^2/NDF: 117.5/96

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 389.062+/-0.083 χ^2/NDF: 1401000.6/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 326.590+/-0.069 χ^2/NDF: 3421061.4/26

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

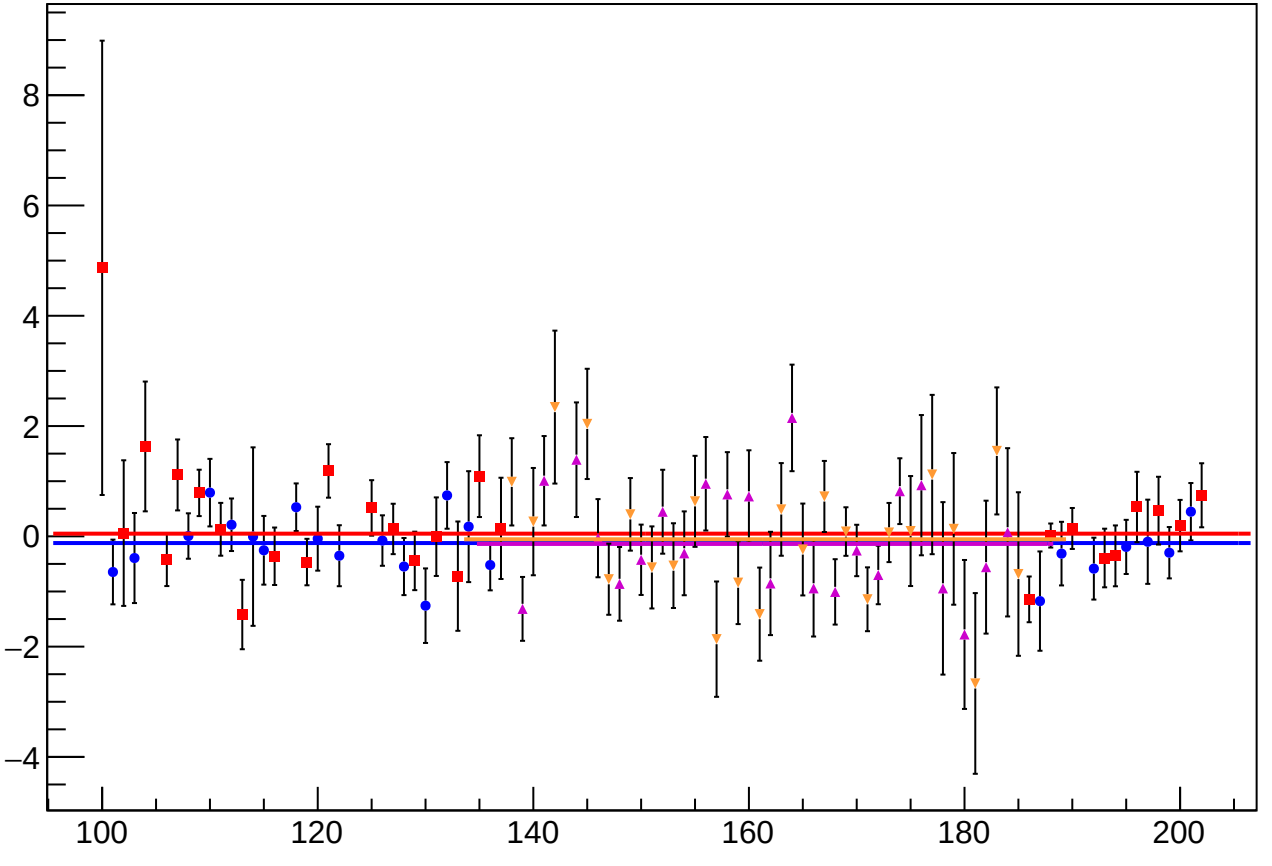
Right: 351.983+/-0.053 χ^2/NDF: 5158776.9/49

In: 478.461+/-0.067 χ^2/NDF:7315281.6/45

Out: 413.599+/-0.059 χ^2/NDF:12591133.2/50

All: 442.030+/-0.044 χ^2/NDF: 20439537.3/96

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.049+/-0.097 χ^2/NDF: 39.6/26

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

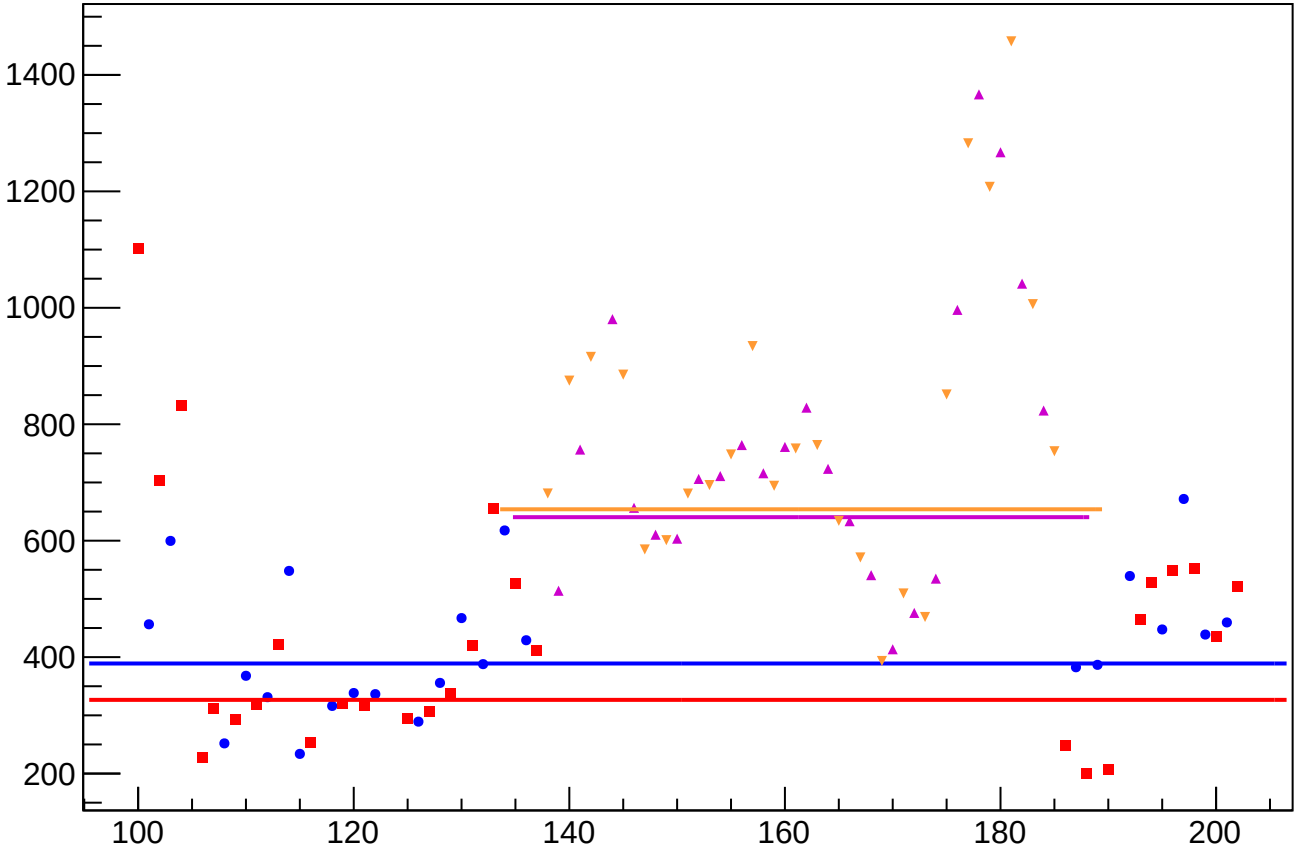
Right: -0.021+/-0.075 χ^2/NDF: 56.9/49

In: -0.127+/-0.094 χ^2/NDF:46.1/45

Out: 0.021+/-0.083 χ^2/NDF:70.0/50

All: -0.044+/-0.062 χ^2/NDF: 117.5/96

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 389.062+/-0.083 χ^2/NDF: 1401000.6/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 326.590+/-0.069 χ^2/NDF: 3421061.4/26

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

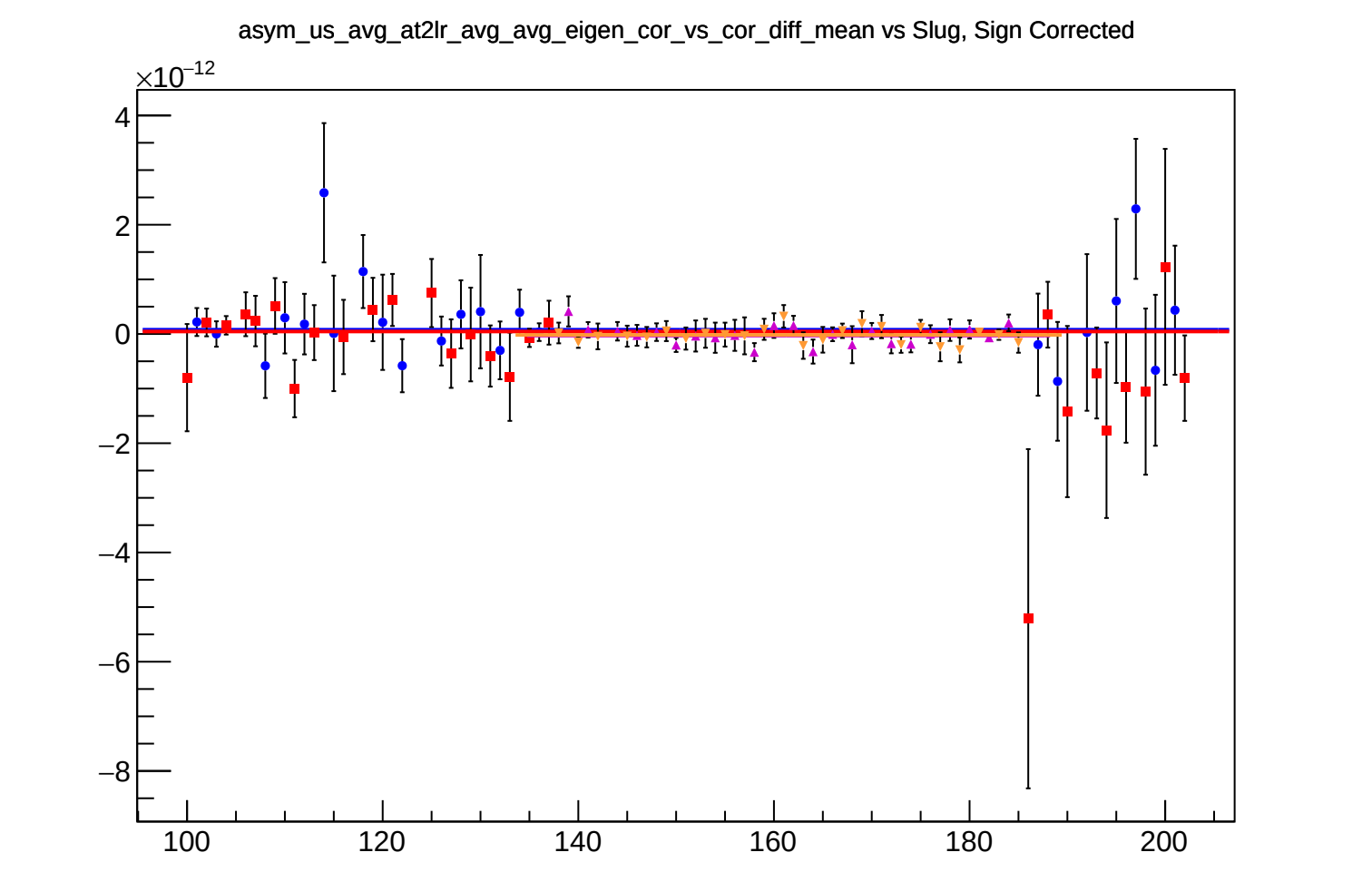
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 351.983+/-0.053 χ^2/NDF: 5158776.9/49

In: 478.461+/-0.067 χ^2/NDF:7315281.6/45

Out: 413.599+/-0.059 χ^2/NDF:12591133.2/50

All: 442.030+/-0.044 χ^2/NDF: 20439537.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/26

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

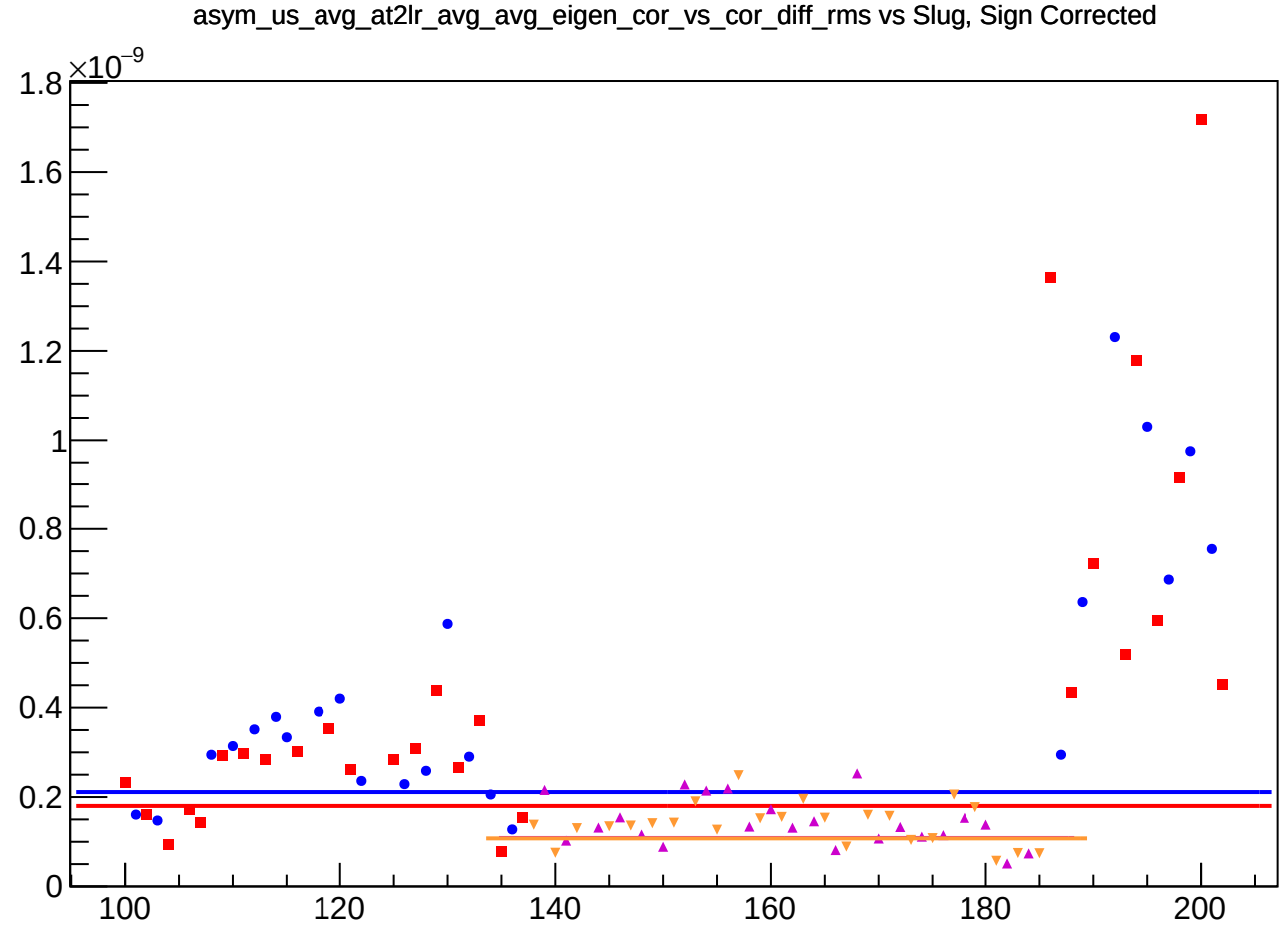
Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

Right: 0.000+/-0.000 χ^2/NDF: 38.5/49

In: -0.000+/-0.000 χ^2/NDF:35.1/45

Out: -0.000+/-0.000 χ^2/NDF:35.9/50

All: -0.000+/-0.000 χ^2/NDF: 71.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 4866931.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6408417.1/26

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

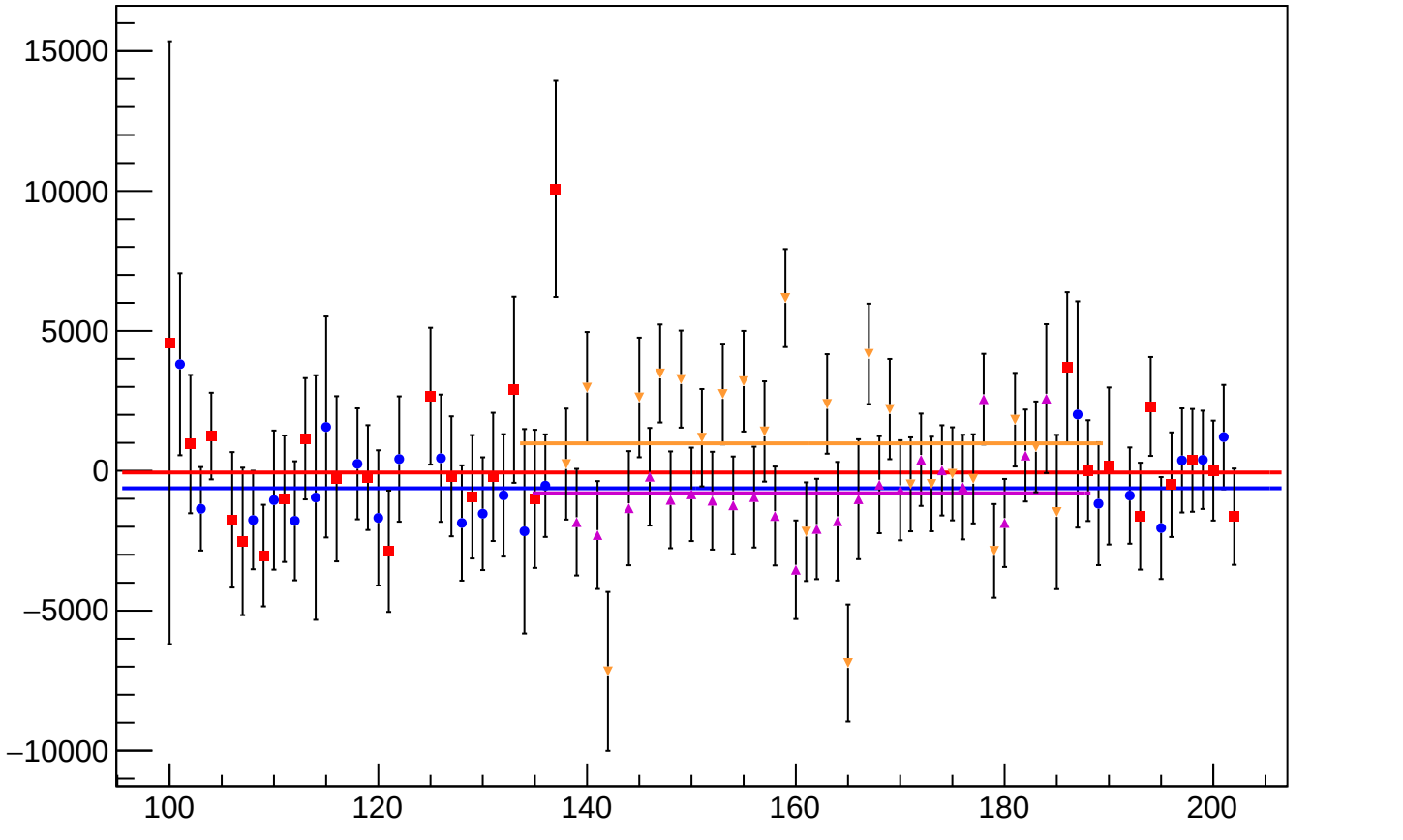
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

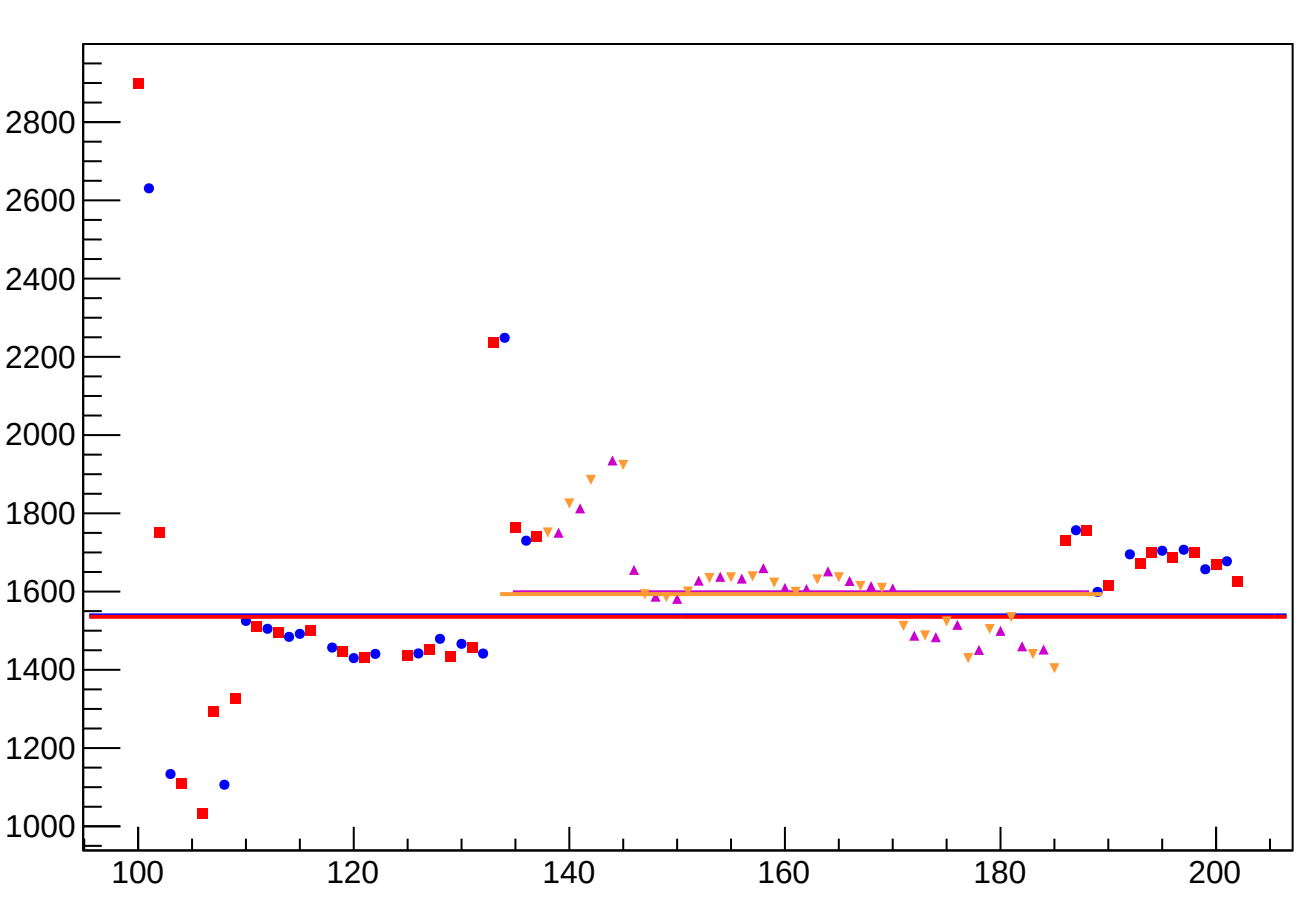
Right: 0.000+/-0.000 χ^2/NDF: 11397177.9/49

In: 0.000+/-0.000 χ^2/NDF:10847145.1/45

Out: 0.000+/-0.000 χ^2/NDF:11179666.8/50

All: 0.000+/-0.000 χ^2/NDF: 22031821.9/96


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -625.525+/-444.638 χ²/NDF: 7.4/22
Left Out: 981.627+/-370.843 χ²/NDF:55.5/23
Right Out: -61.202+/-417.568 χ²/NDF: 21.9/26
Left In: -803.908+/-374.066 χ²/NDF:12.4/22
Left: 96.584+/-263.358 χ²/NDF: 79.5/46
Right: -325.663+/-304.385 χ²/NDF: 30.2/49
In: -729.980+/-286.243 χ²/NDF:20.0/45
Out: 521.799+/-277.280 χ²/NDF:80.9/50
All: -84.185+/-199.160 χ²/NDF: 110.7/96



Right In: 1539.139+/-0.314 χ^2/NDF: 692310.9/22

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1535.496+/-0.294 χ^2/NDF: 603915.6/26

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

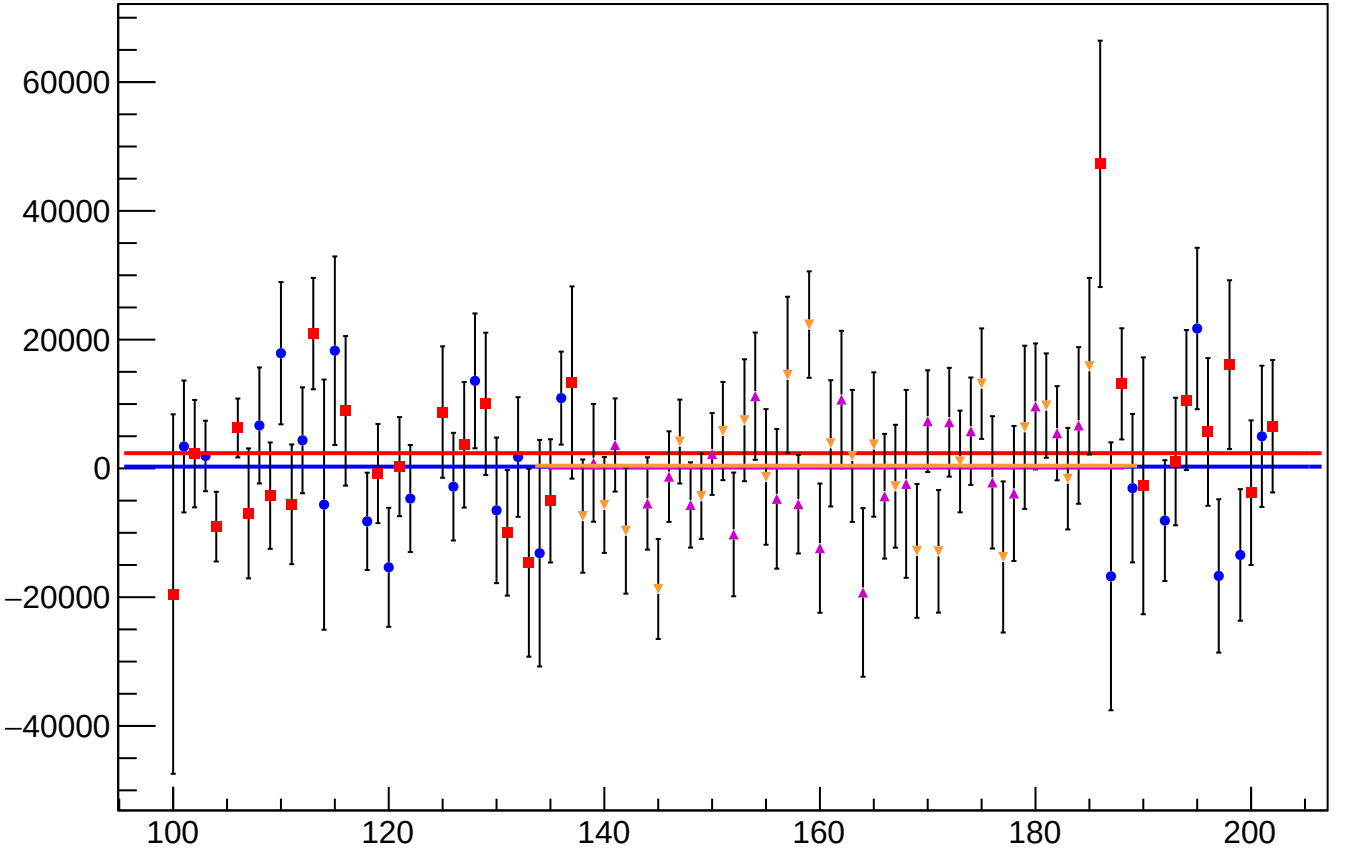
Right: 1537.195+/-0.215 χ^2/NDF: 1296298.1/49

In: 1573.675+/-0.202 χ^2/NDF:882074.7/45

Out: 1567.790+/-0.196 χ^2/NDF:813195.2/50

All: 1570.633+/-0.141 χ^2/NDF: 1695706.9/96

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 277.787+/-2012.585 χ^2/NDF: 23.0/22

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2367.621+/-1781.031 χ^2/NDF: 27.6/26

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

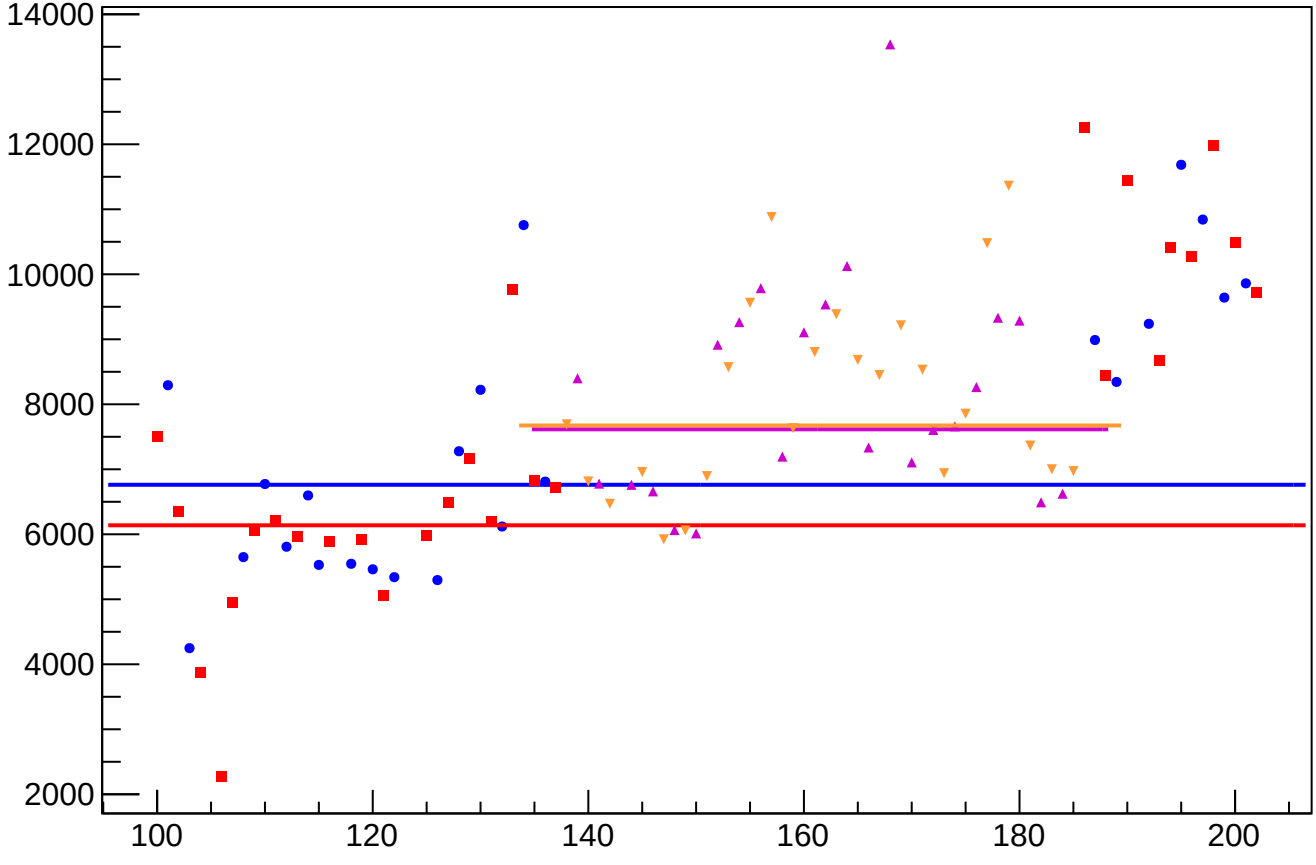
Right: 1449.790+/-1333.766 χ^2/NDF: 51.1/49

In: 194.276+/-1347.785 χ^2/NDF:36.8/45

Out: 1418.098+/-1272.891 χ^2/NDF:57.5/50

All: 841.133+/-925.415 χ^2/NDF: 94.8/96

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6761.735+/-1.423 χ^2/NDF: 1961107.5/22

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6138.341+/-1.259 χ^2/NDF: 4142994.4/26

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

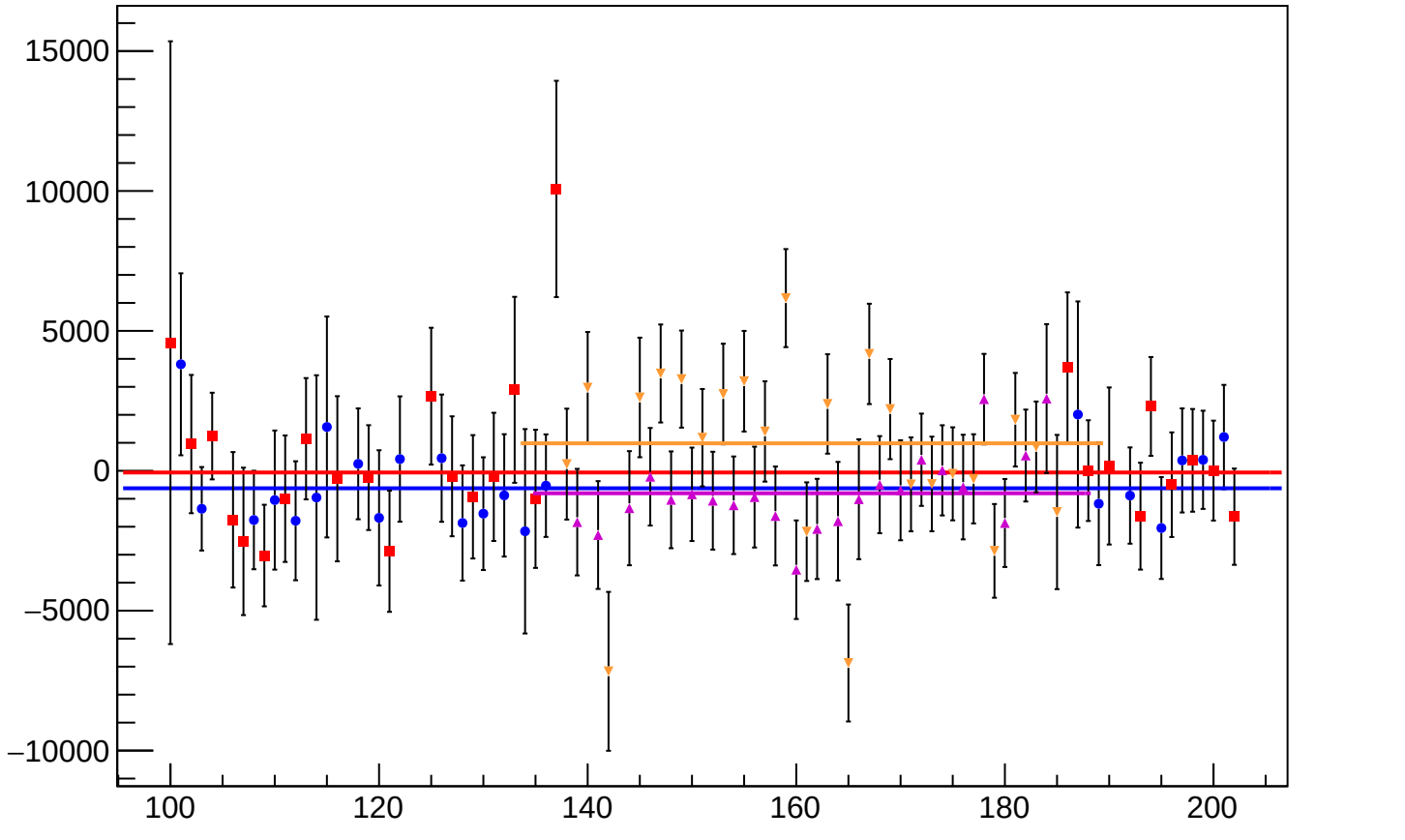
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

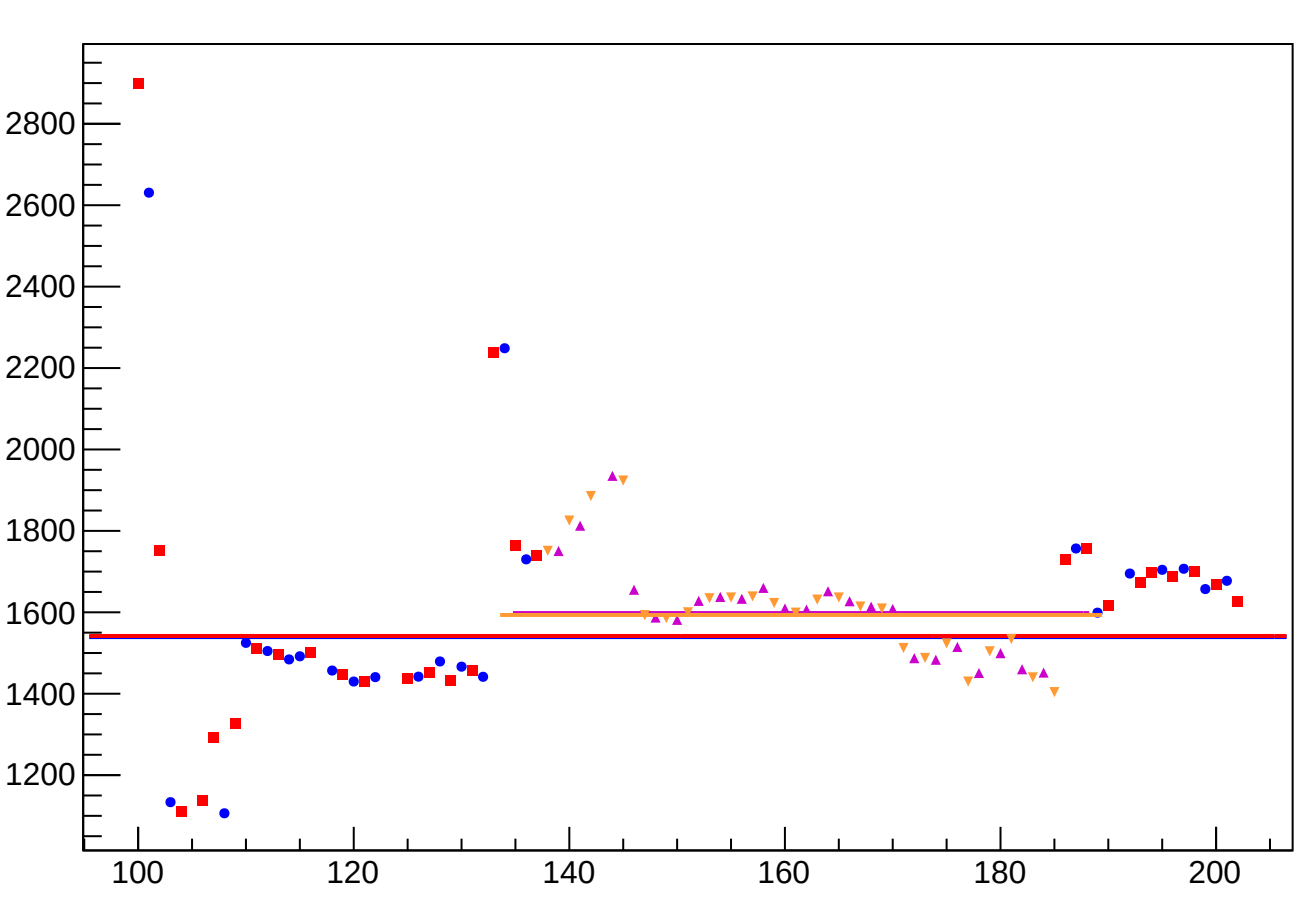
Right: 6412.128+/-0.943 χ^2/NDF: 6211714.7/49

In: 7232.322+/-0.953 χ^2/NDF:3383886.4/45

Out: 6889.635+/-0.900 χ^2/NDF:5947167.8/50

All: 7051.193+/-0.654 χ^2/NDF: 9399394.2/96


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -625.579+/-444.638 χ²/NDF: 7.4/22
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: -61.122+/-417.568 χ²/NDF: 21.9/26
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -325.646+/-304.385 χ²/NDF: 30.2/49
In: -729.929+/-286.243 χ²/NDF:20.0/45
Out: 521.881+/-277.280 χ²/NDF:80.9/50
All: -84.118+/-199.160 χ²/NDF: 110.7/96



Right In: 1539.139+/-0.314 χ^2/NDF: 692311.3/22

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1541.852+/-0.295 χ^2/NDF: 551398.6/26

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

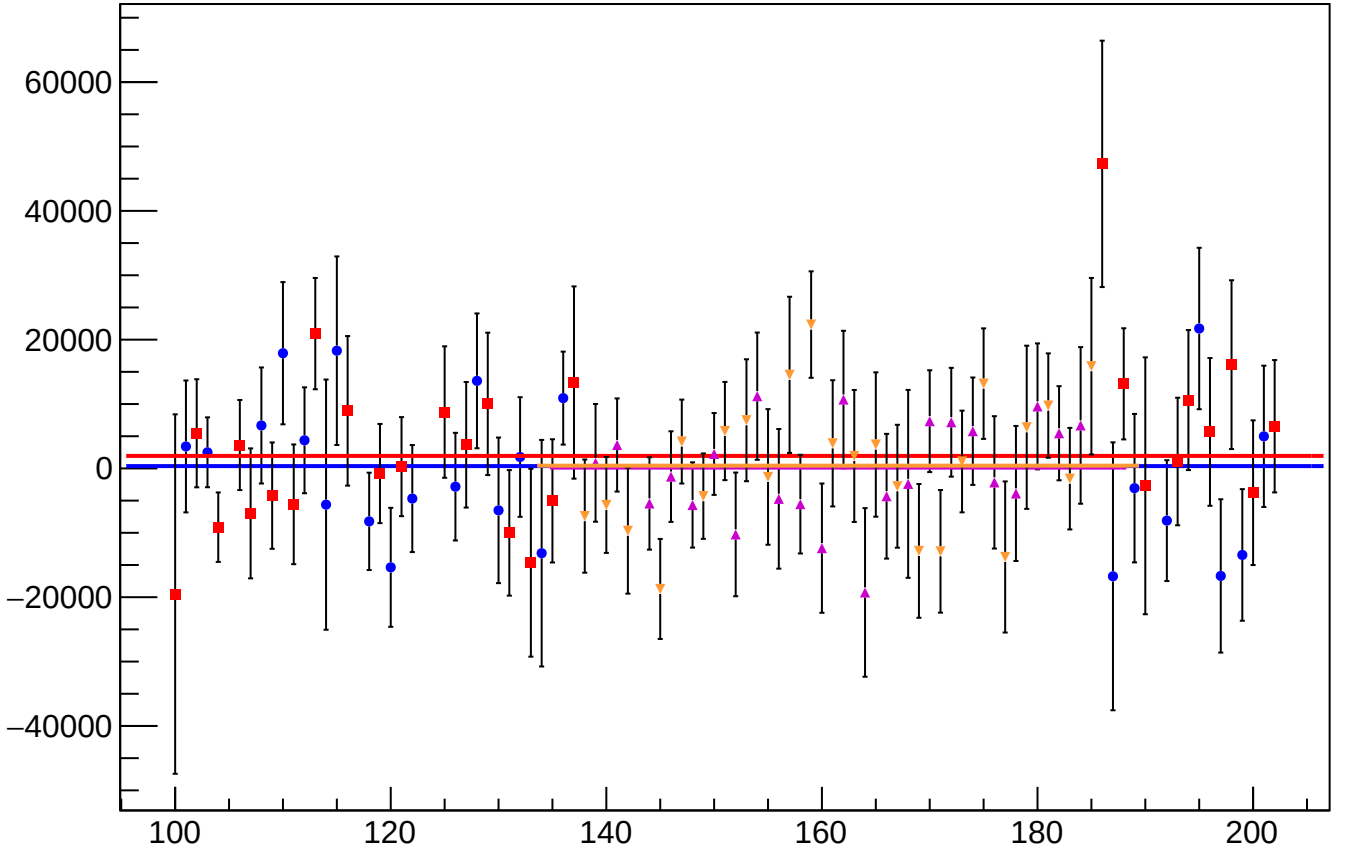
Right: 1540.583+/-0.215 χ^2/NDF: 1243749.5/49

In: 1573.675+/-0.202 χ^2/NDF:882075.1/45

Out: 1570.682+/-0.196 χ^2/NDF:756131.2/50

All: 1572.130+/-0.141 χ^2/NDF: 1638319.1/96

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 360.715+/-2009.950 χ^2/NDF: 23.0/22

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1943.302+/-1863.702 χ^2/NDF: 27.0/26

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

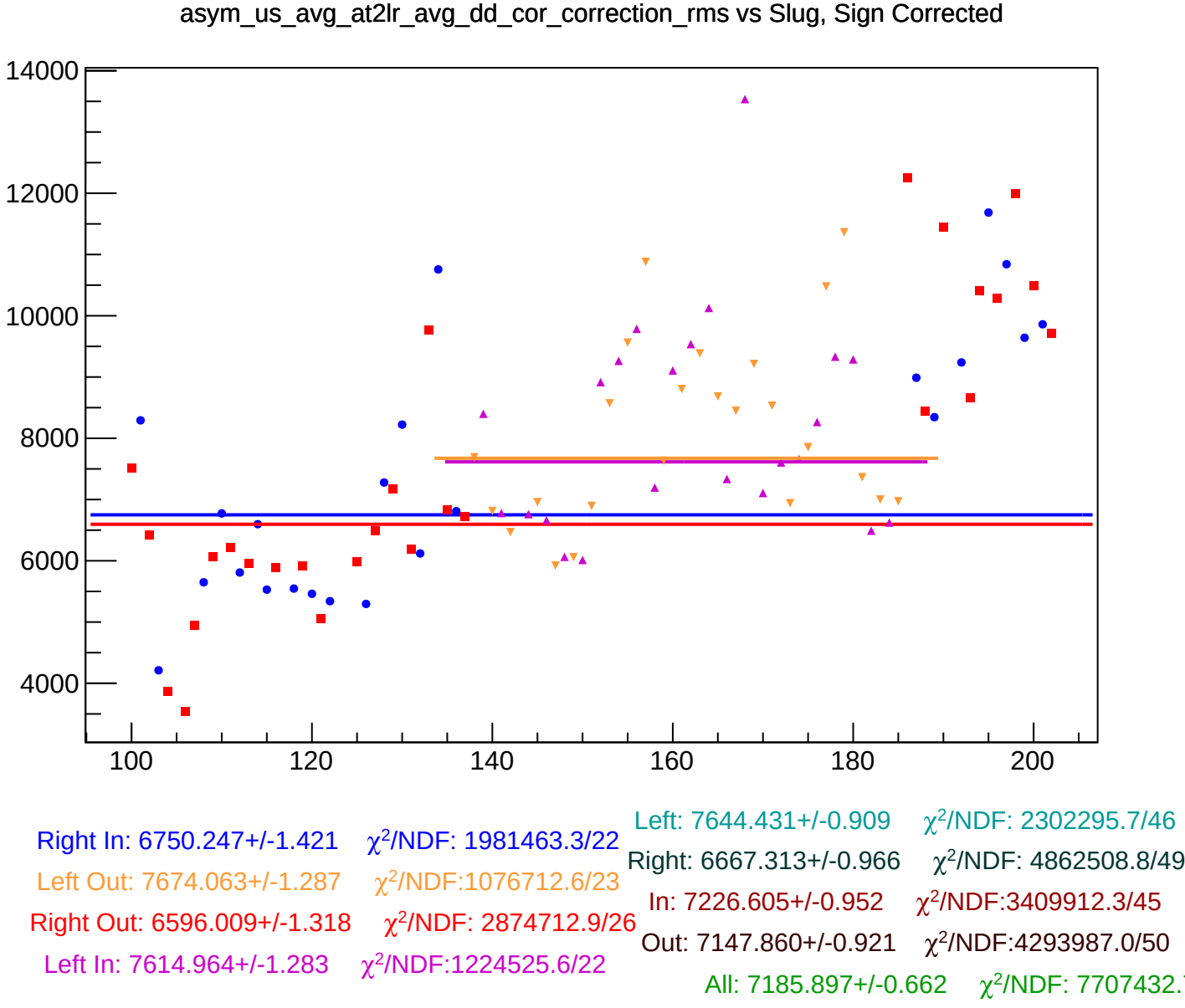
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

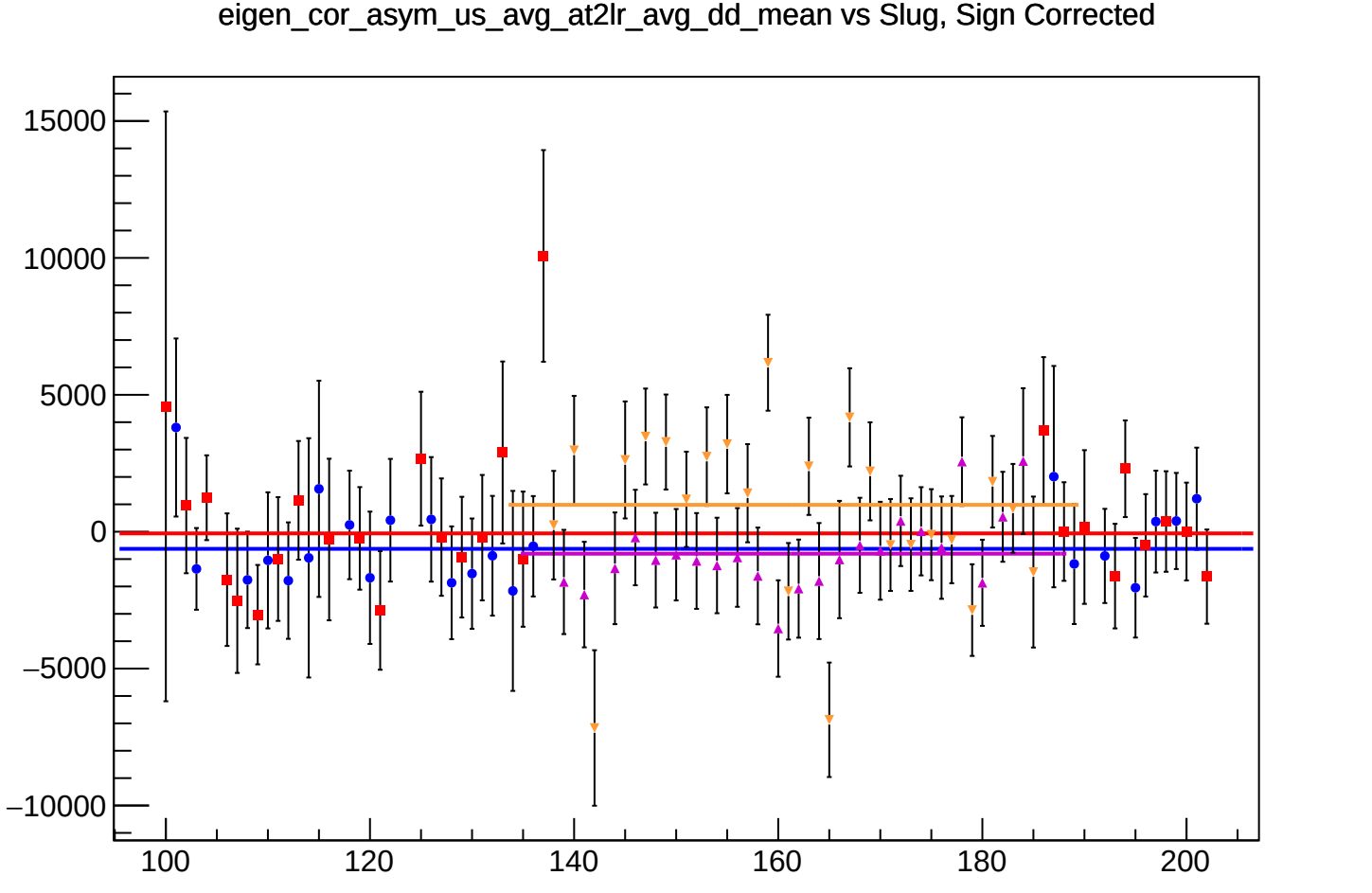
Right: 1211.673+/-1366.617 χ^2/NDF: 50.4/49

In: 231.621+/-1346.992 χ^2/NDF:36.9/45

Out: 1166.961+/-1302.066 χ^2/NDF:56.8/50

All: 715.150+/-936.180 χ^2/NDF: 93.9/96


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
Right In: 6750.247+/-1.421 χ²/NDF: 1981463.3/22
Left Out: 7674.063+/-1.287 χ²/NDF:1076712.6/23
Right Out: 6596.009+/-1.318 χ²/NDF: 2874712.9/26
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
Left: 7644.431+/-0.909 χ²/NDF: 2302295.7/46
Right: 6667.313+/-0.966 χ²/NDF: 4862508.8/49
In: 7226.605+/-0.952 χ²/NDF:3409912.3/45
Out: 7147.860+/-0.921 χ²/NDF:4293987.0/50
All: 7185.897+/-0.662 χ²/NDF: 7707432.7/96


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
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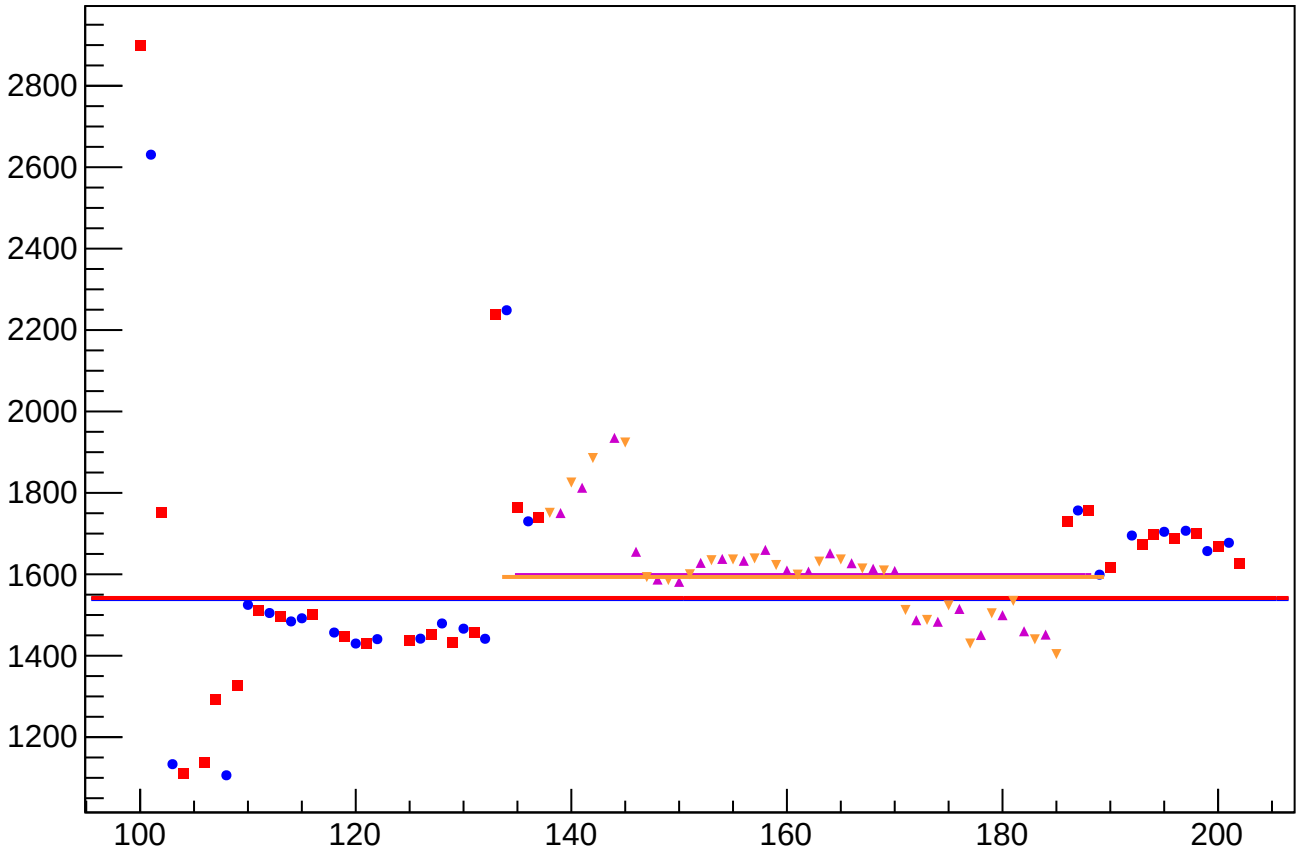
160
180
200
Right In: -625.579+/-444.638 χ²/NDF: 7.4/22
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: -61.122+/-417.568 χ²/NDF: 21.9/26
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -325.646+/-304.385 χ²/NDF: 30.2/49
In: -729.929+/-286.243 χ²/NDF:20.0/45
Out: 521.881+/-277.280 χ²/NDF:80.9/50
All: -84.118+/-199.160 χ²/NDF: 110.7/96



Right In: 1539.139+/-0.314 χ^2/NDF: 692311.3/22

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1541.852+/-0.295 χ^2/NDF: 551398.6/26

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

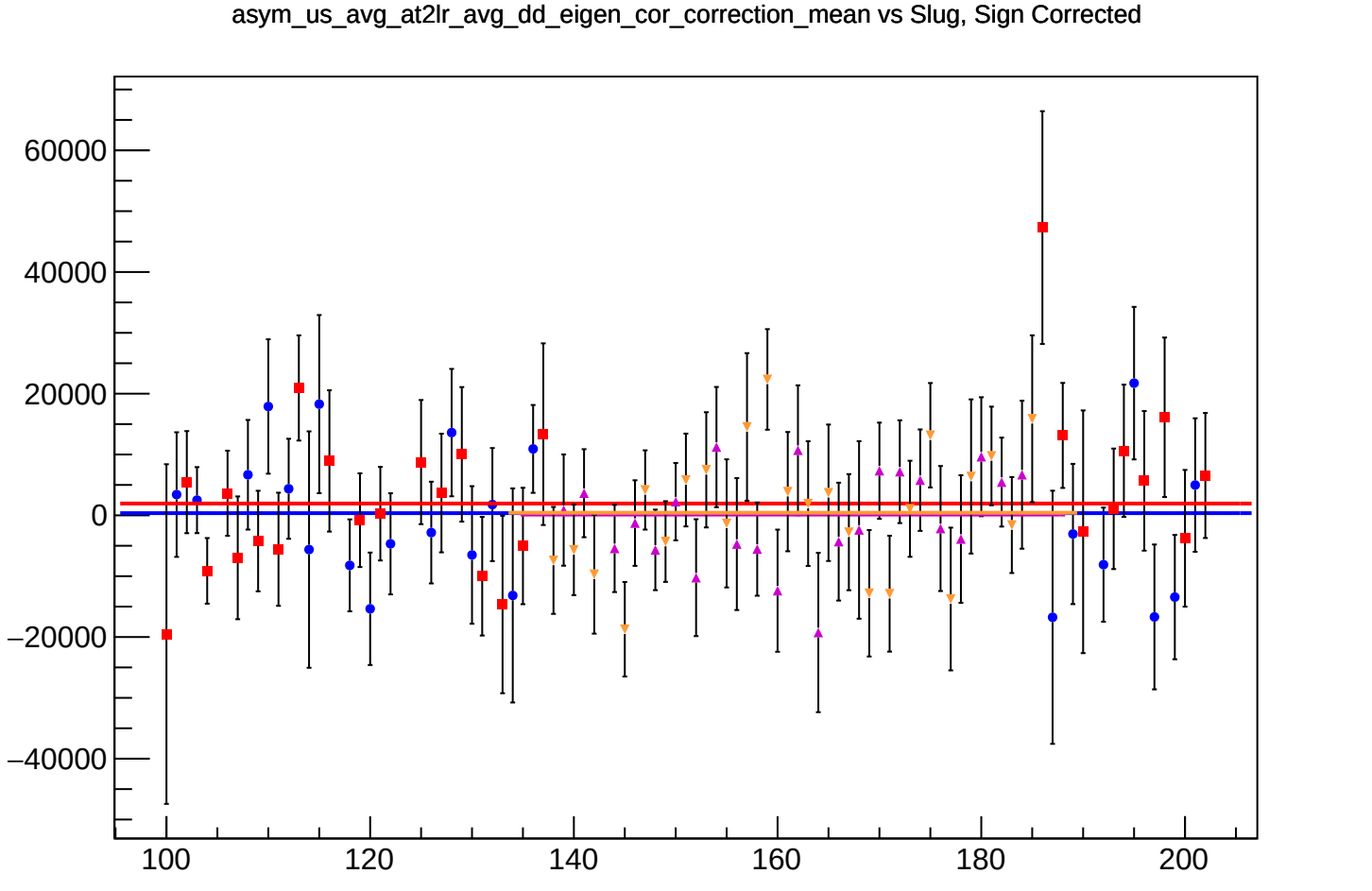
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

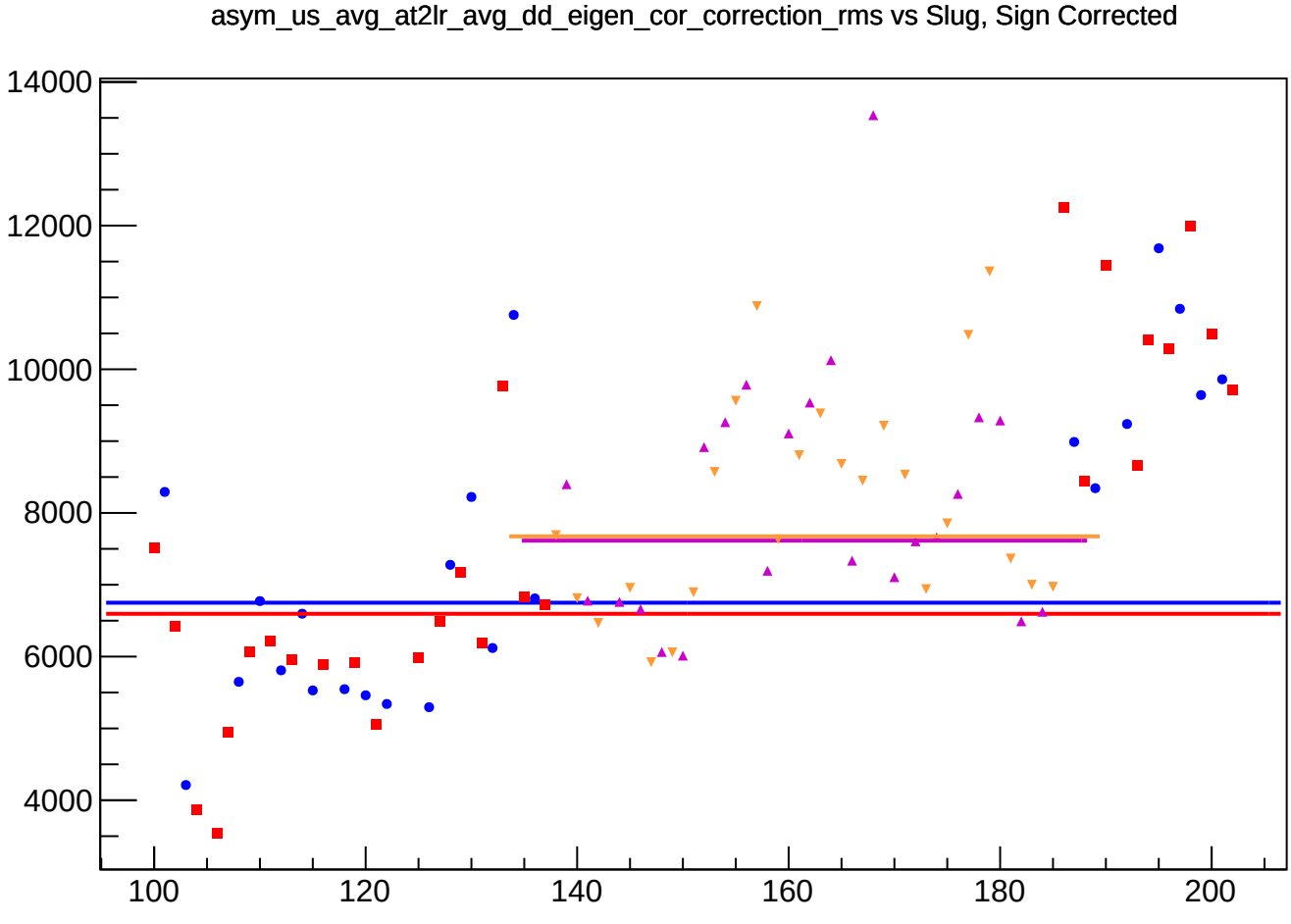
Right: 1540.583+/-0.215 χ^2/NDF: 1243749.5/49

In: 1573.675+/-0.202 χ^2/NDF:882075.1/45

Out: 1570.682+/-0.196 χ^2/NDF:756131.2/50

All: 1572.130+/-0.141 χ^2/NDF: 1638319.1/96


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: 360.715+/-2009.950 χ²/NDF: 23.0/22
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: 1943.302+/-1863.702 χ²/NDF: 27.0/26
Left In: 126.376+/-1814.828 χ²/NDF:13.9/22
Left: 276.121+/-1285.059 χ²/NDF: 43.3/46
Right: 1211.673+/-1366.617 χ²/NDF: 50.4/49
In: 231.621+/-1346.992 χ²/NDF:36.9/45
Out: 1166.961+/-1302.066 χ²/NDF:56.8/50
All: 715.150+/-936.180 χ²/NDF: 93.9/96



Right In: 6750.247+/-1.421 χ^2/NDF: 1981463.3/22

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6596.009+/-1.318 χ^2/NDF: 2874712.9/26

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

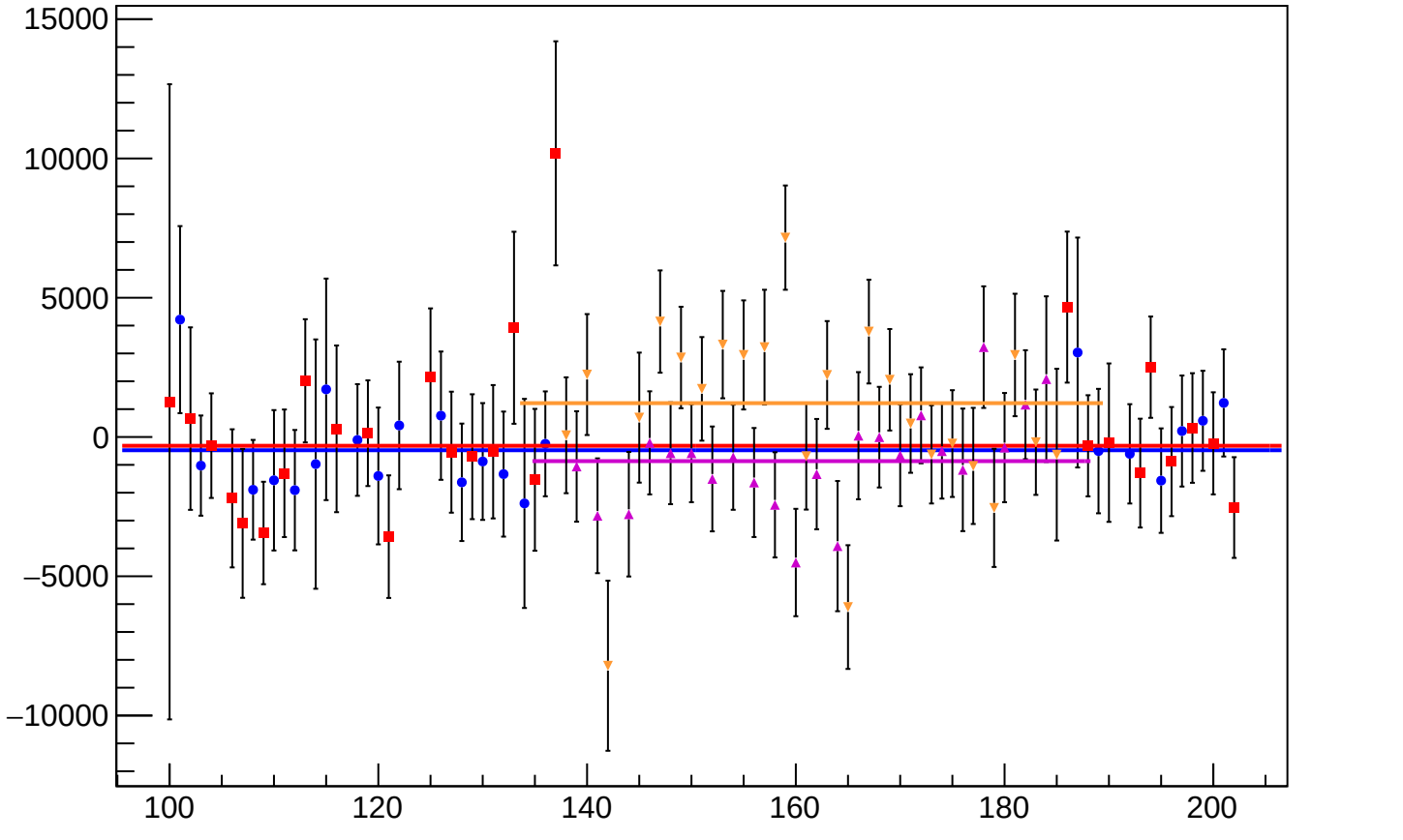
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

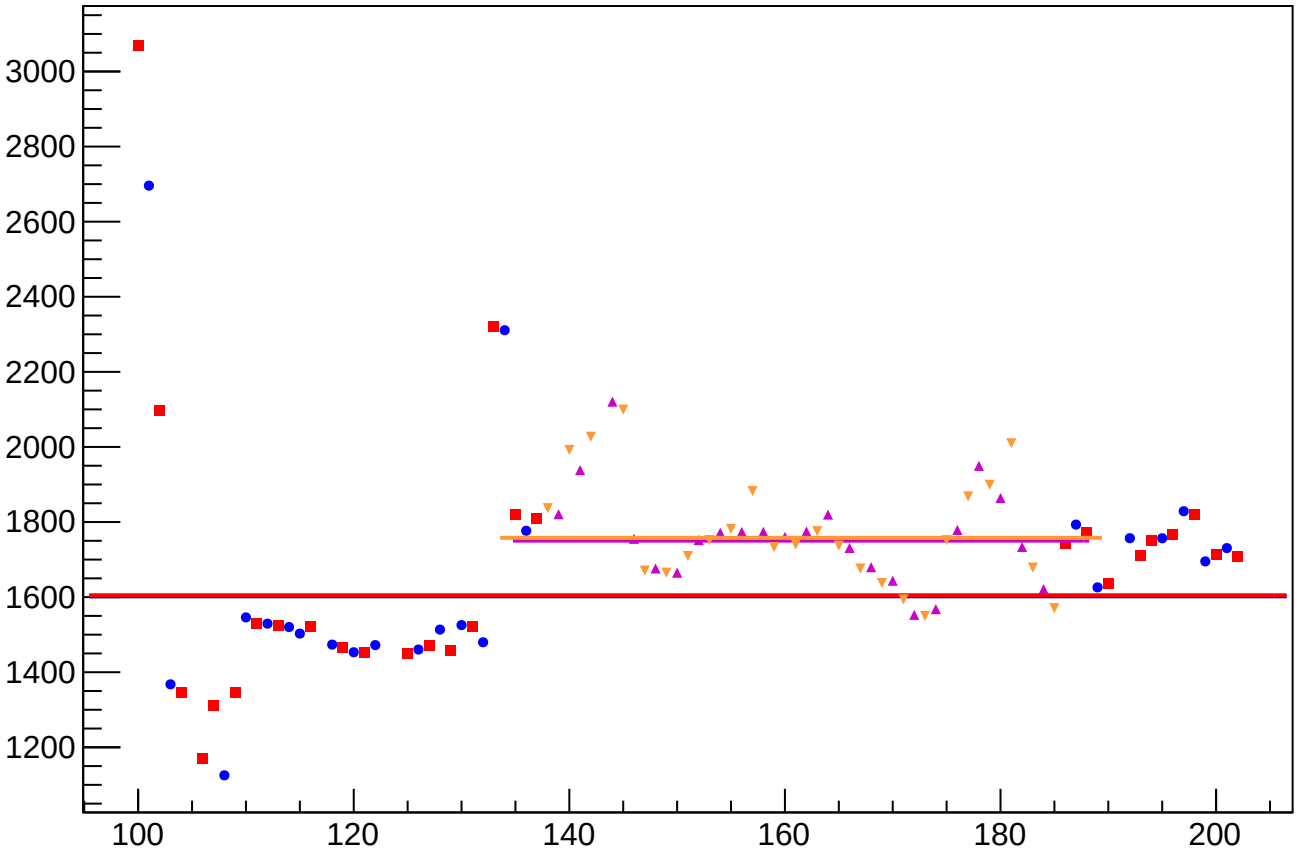
Right: 6667.313+/-0.966 χ^2/NDF: 4862508.8/49

In: 7226.605+/-0.952 χ^2/NDF:3409912.3/45

Out: 7147.860+/-0.921 χ^2/NDF:4293987.0/50

All: 7185.897+/-0.662 χ^2/NDF: 7707432.7/96


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -475.336+/-462.131 χ²/NDF: 7.3/22
Left Out: 1215.353+/-409.584 χ²/NDF:48.5/23
Right Out: -315.380+/-435.461 χ²/NDF: 25.6/26
Left In: -866.022+/-410.038 χ²/NDF:15.1/22
Left: 175.818+/-289.780 χ²/NDF: 76.5/46
Right: -390.610+/-316.927 χ²/NDF: 33.0/49
In: -693.930+/-306.712 χ²/NDF:22.8/45
Out: 496.816+/-298.349 χ²/NDF:80.6/50
All: -82.102+/-213.860 χ²/NDF: 111.2/96



Right In: 1602.140+/-0.327 χ^2/NDF: 596773.7/22

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1604.954+/-0.308 χ^2/NDF: 493296.2/26

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

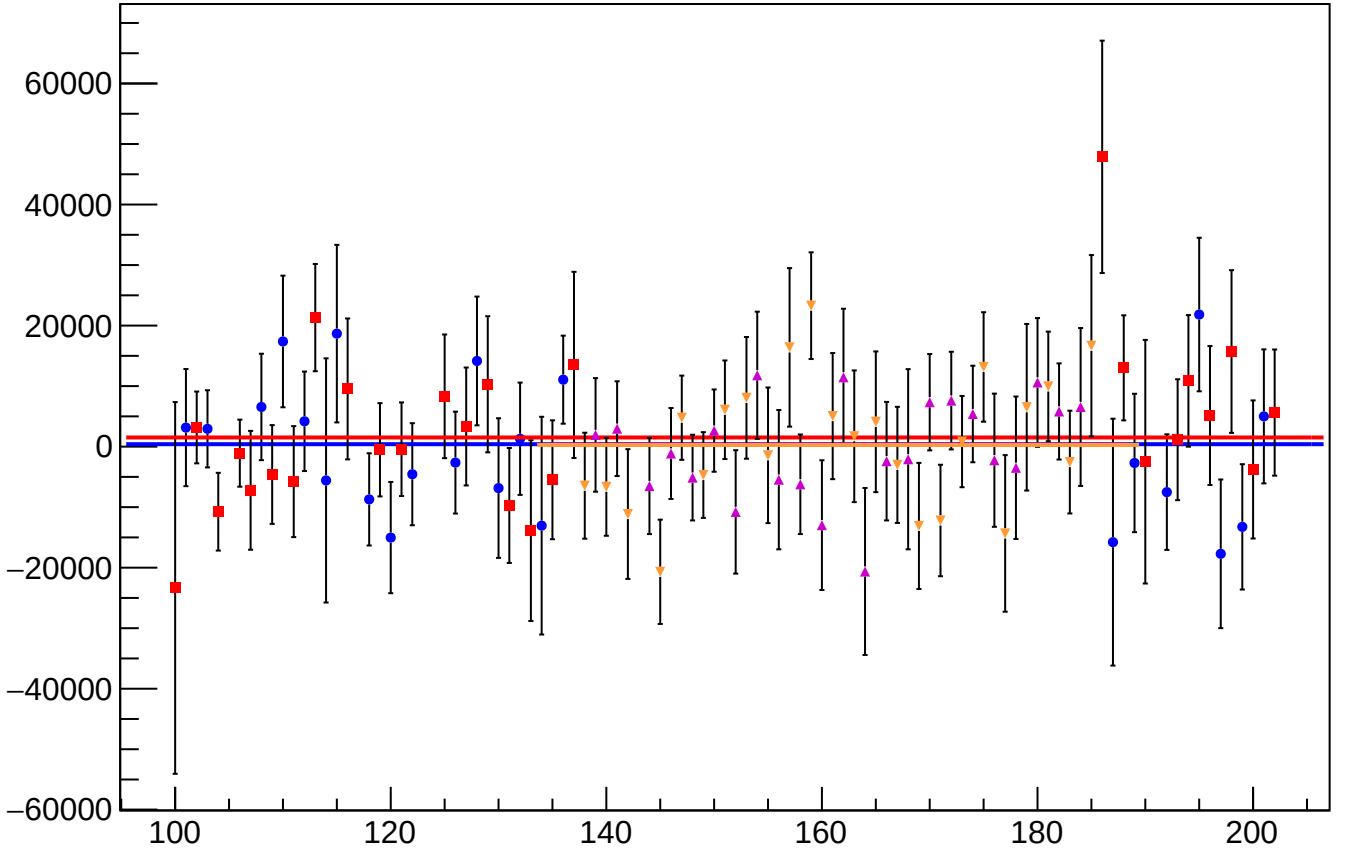
Right: 1603.631+/-0.224 χ^2/NDF: 1090109.2/49

In: 1685.137+/-0.217 χ^2/NDF:883958.6/45

Out: 1686.128+/-0.211 χ^2/NDF:837623.7/50

All: 1685.646+/-0.151 χ^2/NDF: 1721593.0/96

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 401.540+/-2053.533 χ^2/NDF: 22.9/22

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1514.310+/-1818.429 χ^2/NDF: 26.8/26

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

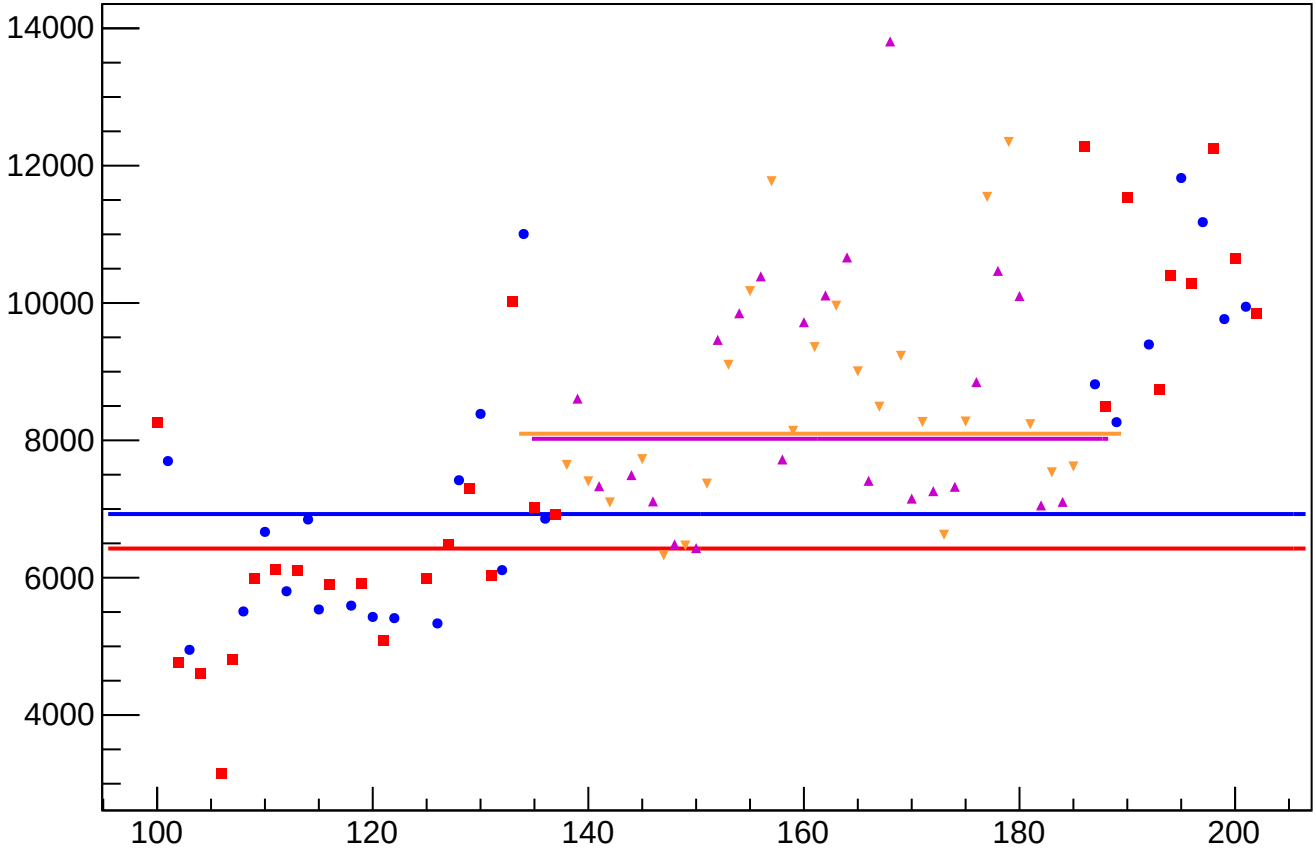
Right: 1025.244+/-1361.391 χ^2/NDF: 49.8/49

In: 391.429+/-1399.502 χ^2/NDF:36.5/45

Out: 933.038+/-1320.315 χ^2/NDF:55.7/50

All: 677.989+/-960.378 χ^2/NDF: 92.2/96

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6926.807+/-1.452 χ^2/NDF: 1733487.6/22

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6424.775+/-1.286 χ^2/NDF: 3200514.0/26

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

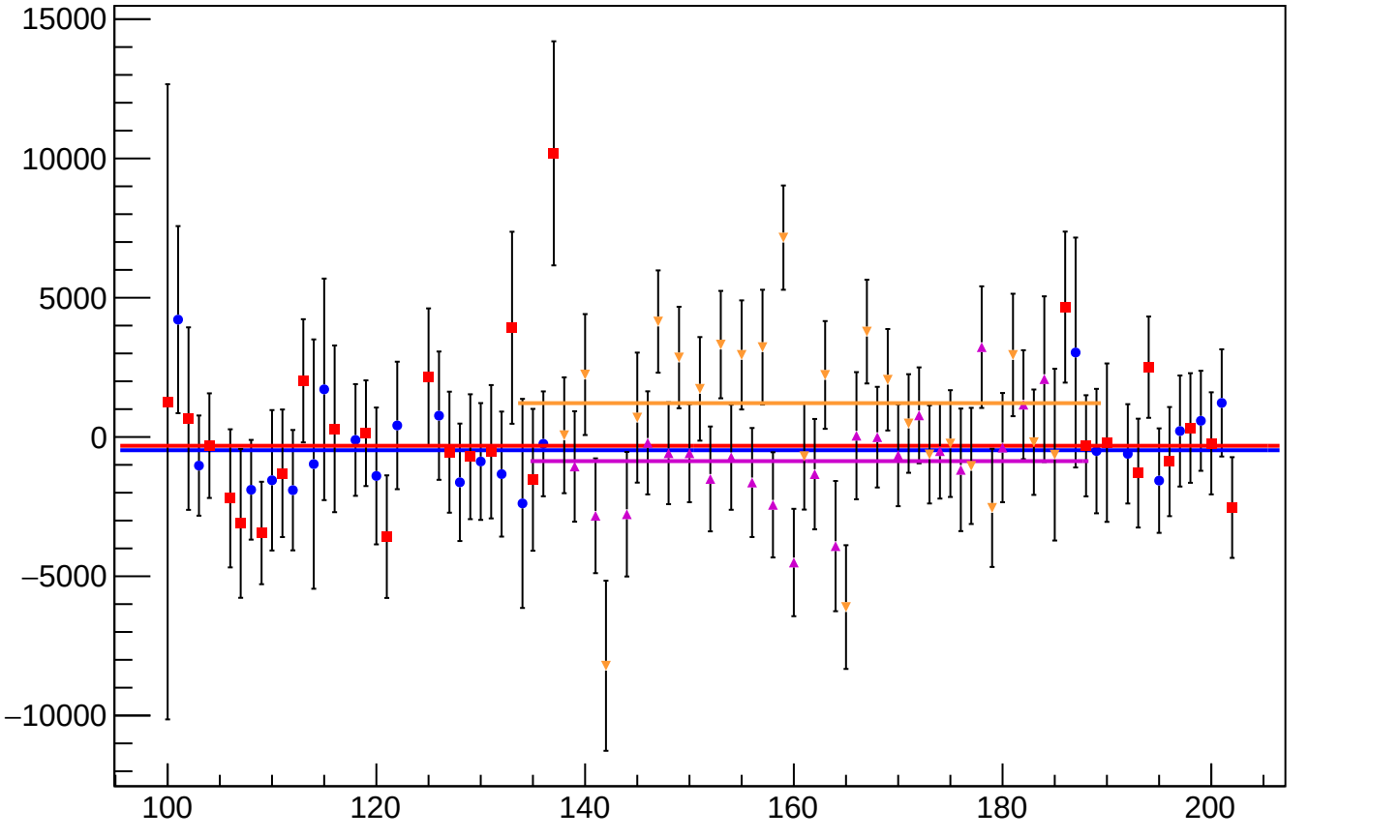
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6645.420+/-0.963 χ^2/NDF: 5000999.5/49

In: 7513.721+/-0.990 χ^2/NDF:3264092.9/45

Out: 7215.345+/-0.934 χ^2/NDF:5087817.9/50

All: 7355.853+/-0.679 χ^2/NDF: 8400010.5/96



Right In: -475.337+/-462.131 χ^2/NDF: 7.3/22

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -315.386+/-435.461 χ^2/NDF: 25.6/26

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

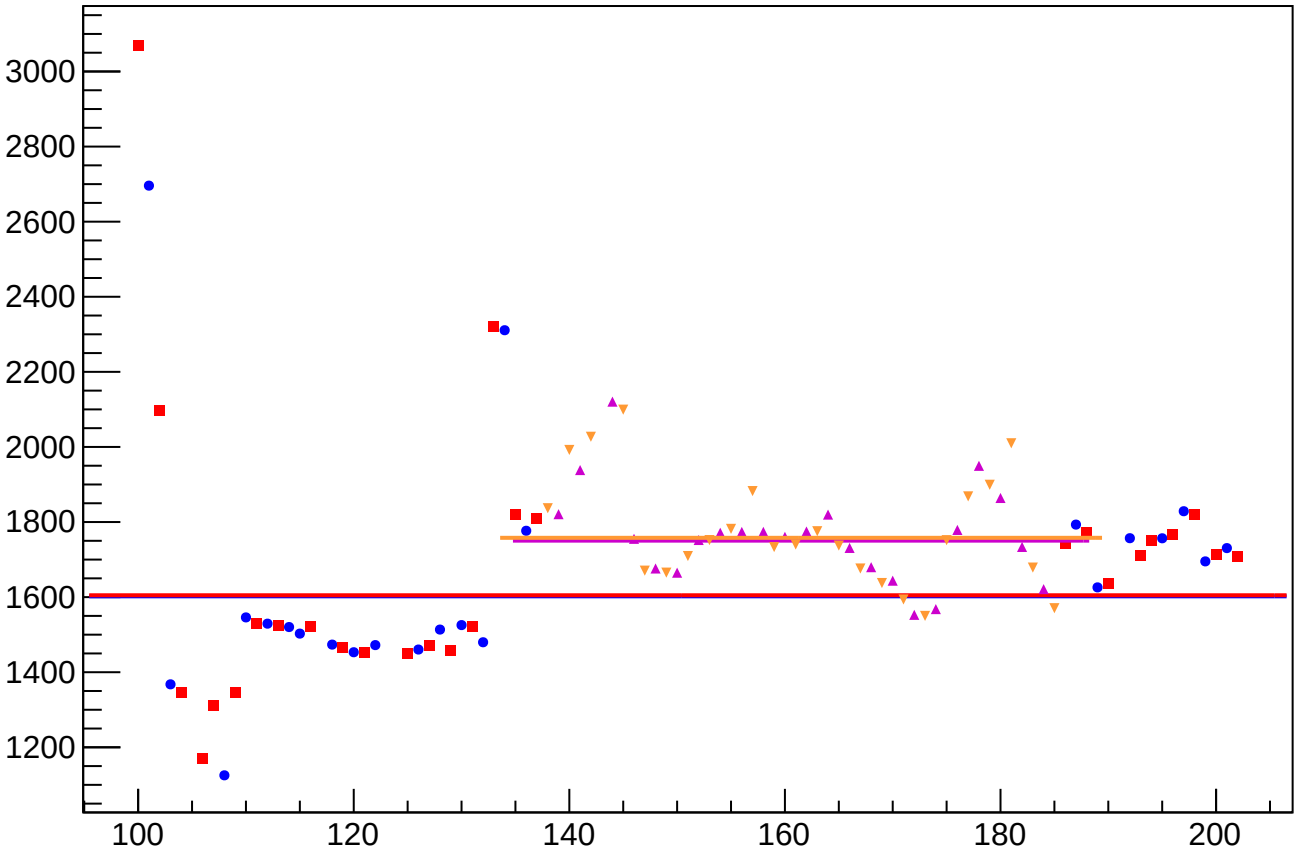
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -390.614+/-316.927 χ^2/NDF: 33.0/49

In: -693.930+/-306.712 χ^2/NDF:22.8/45

Out: 496.816+/-298.349 χ^2/NDF:80.6/50

All: -82.102+/-213.860 χ^2/NDF: 111.2/96



Right In: 1602.140+/-0.327 χ^2/NDF: 596773.6/22

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1604.954+/-0.308 χ^2/NDF: 493297.3/26

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

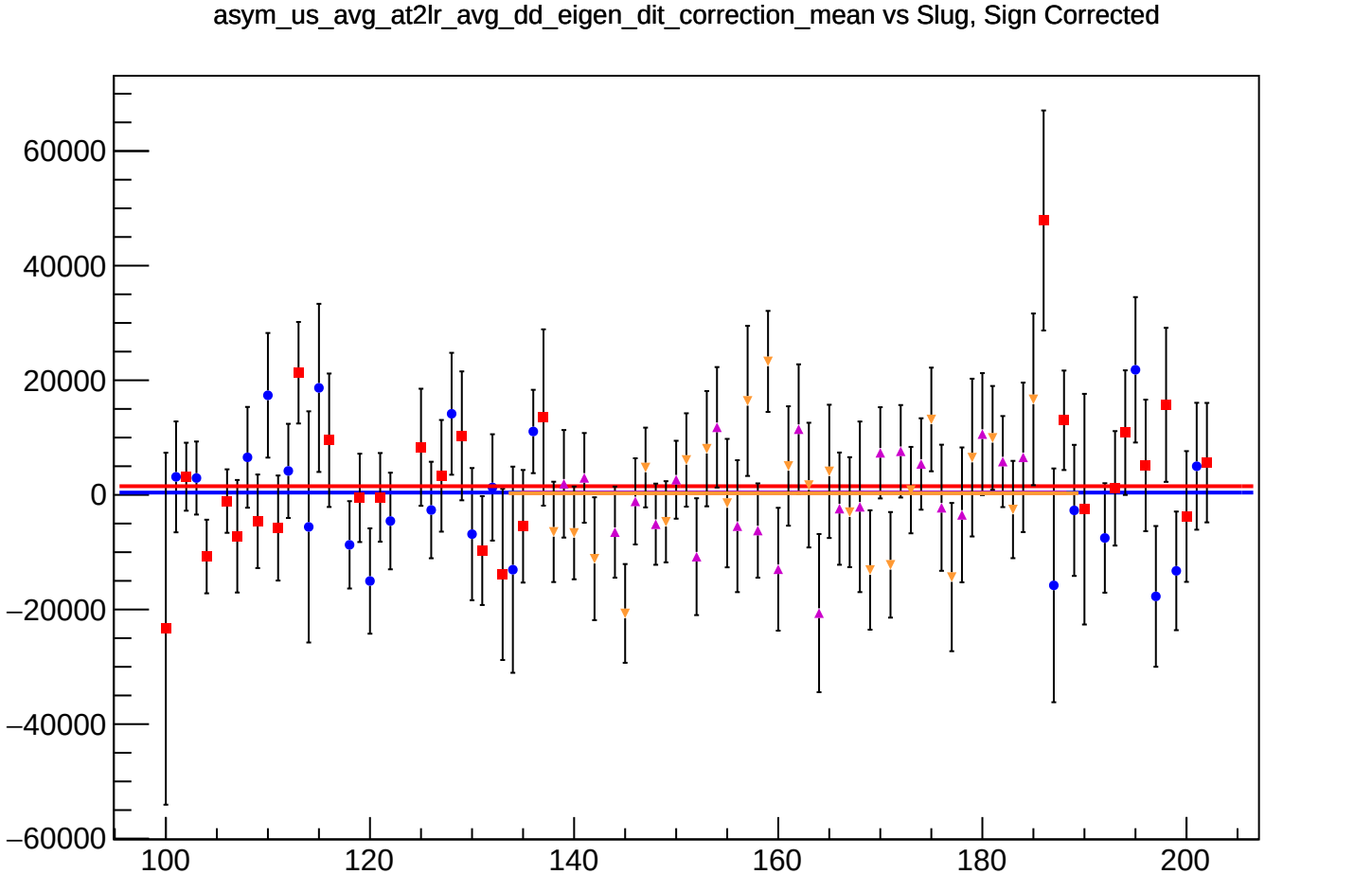
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1603.631+/-0.224 χ^2/NDF: 1090110.2/49

In: 1685.138+/-0.217 χ^2/NDF:883970.7/45

Out: 1686.129+/-0.211 χ^2/NDF:837637.1/50

All: 1685.647+/-0.151 χ^2/NDF: 1721618.6/96



Right In: 401.529+/-2053.530 χ^2/NDF: 22.9/22

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1514.299+/-1818.426 χ^2/NDF: 26.8/26

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

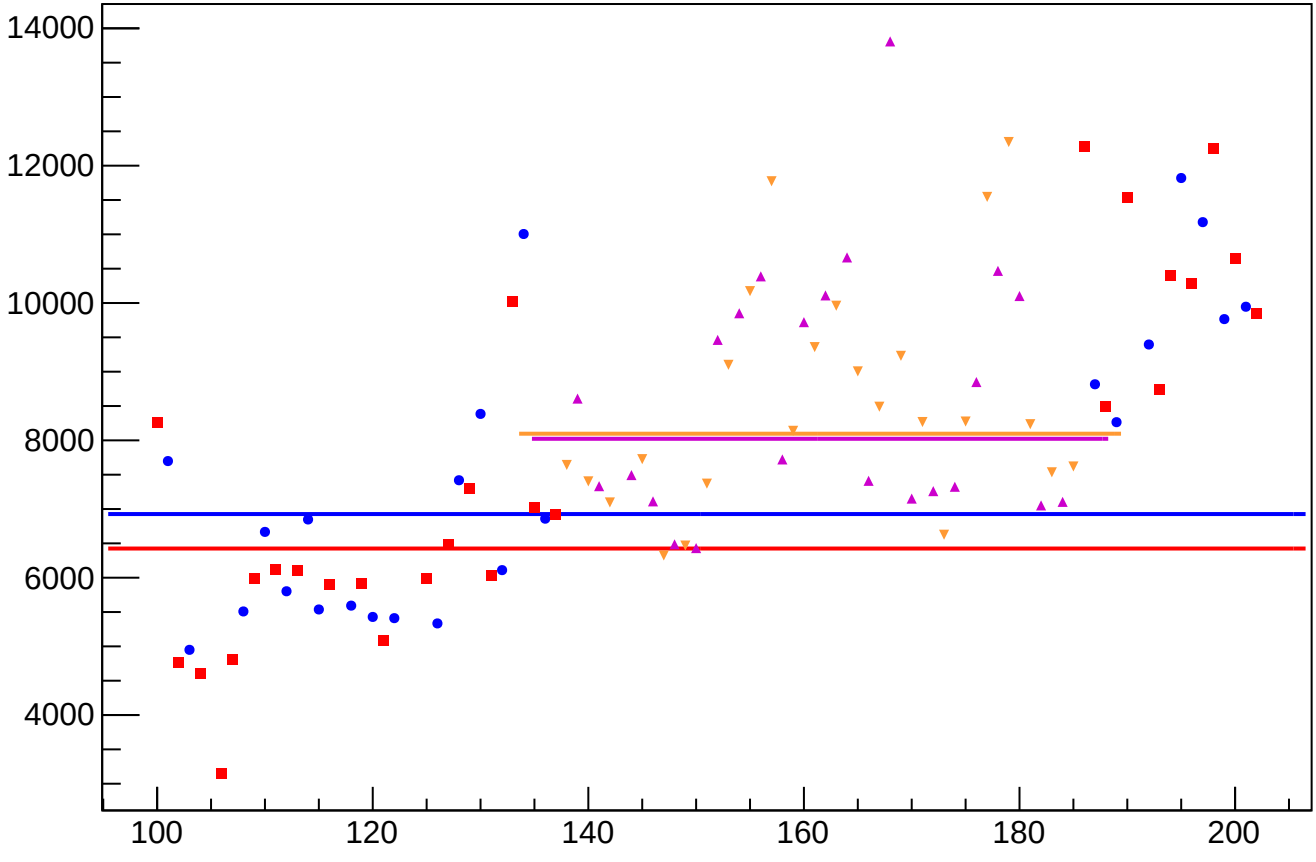
Right: 1025.233+/-1361.389 χ^2/NDF: 49.8/49

In: 391.425+/-1399.502 χ^2/NDF:36.5/45

Out: 933.034+/-1320.315 χ^2/NDF:55.7/50

All: 677.985+/-960.378 χ^2/NDF: 92.2/96

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6926.795+/-1.452 χ^2/NDF: 1733505.8/22

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6424.764+/-1.286 χ^2/NDF: 3200532.8/26

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

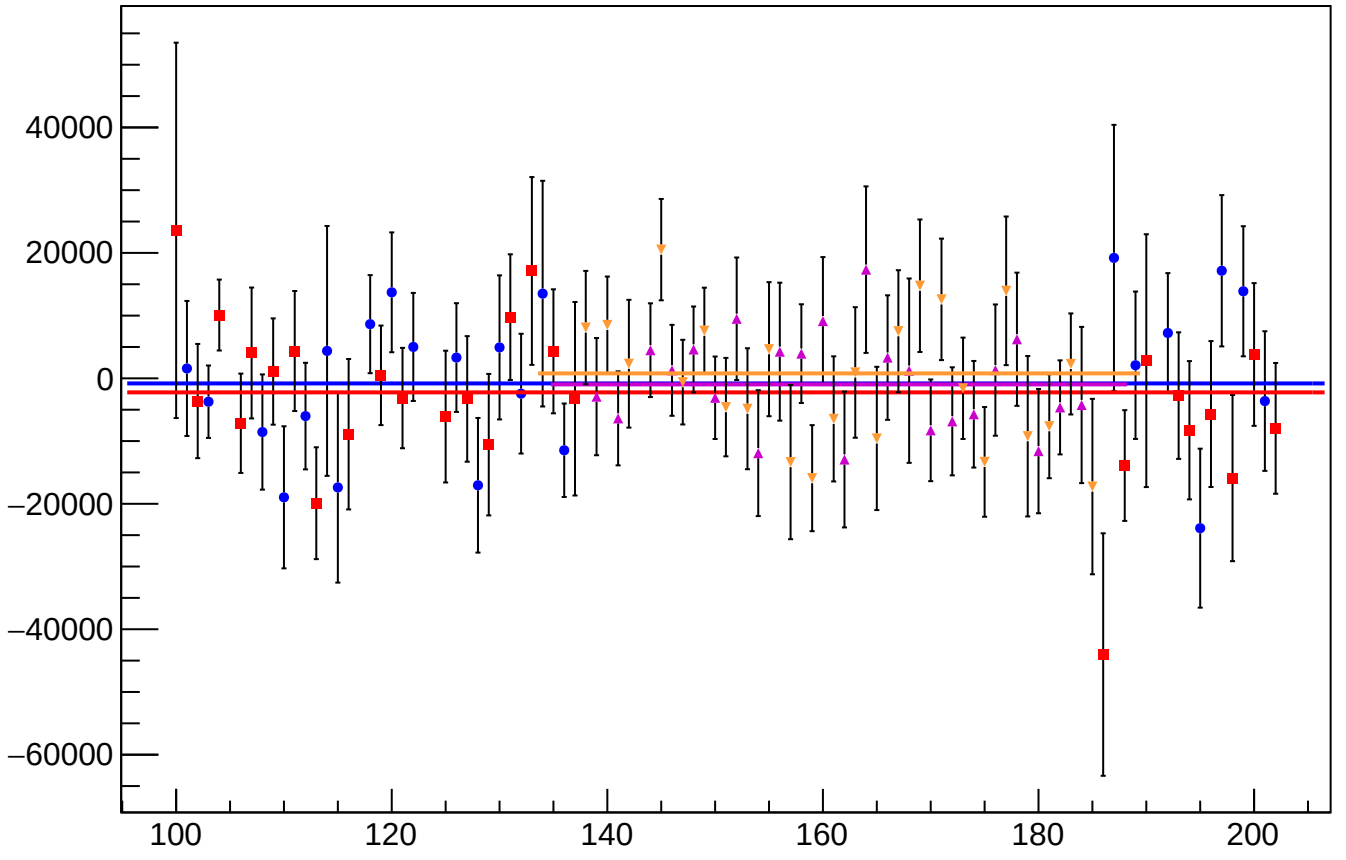
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6645.408+/-0.963 χ^2/NDF: 5001036.5/49

In: 7513.720+/-0.990 χ^2/NDF:3264128.7/45

Out: 7215.342+/-0.934 χ^2/NDF:5087861.4/50

All: 7355.851+/-0.679 χ^2/NDF: 8400090.2/96



Right In: -809.834+/-2074.546 χ^2/NDF: 24.2/22

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2236.798+/-1934.074 χ^2/NDF: 24.0/26

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

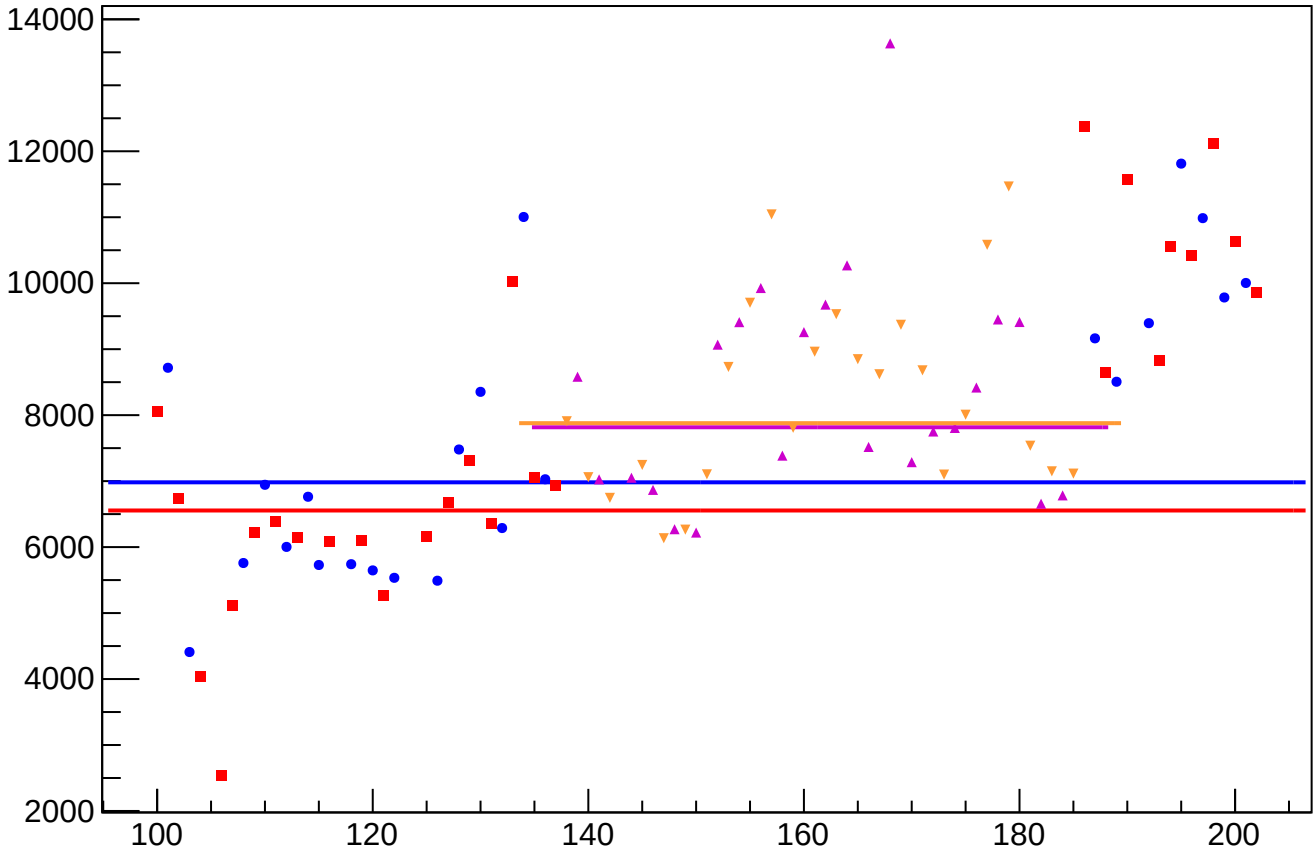
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1573.259+/-1414.652 χ^2/NDF: 48.5/49

In: -895.284+/-1384.848 χ^2/NDF:37.0/45

Out: -667.819+/-1342.551 χ^2/NDF:52.5/50

All: -778.025+/-963.933 χ^2/NDF: 89.5/96



Right In: 6981.802+/-1.467 χ^2/NDF: 1860609.2/22

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6554.871+/-1.330 χ^2/NDF: 3458342.6/26

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

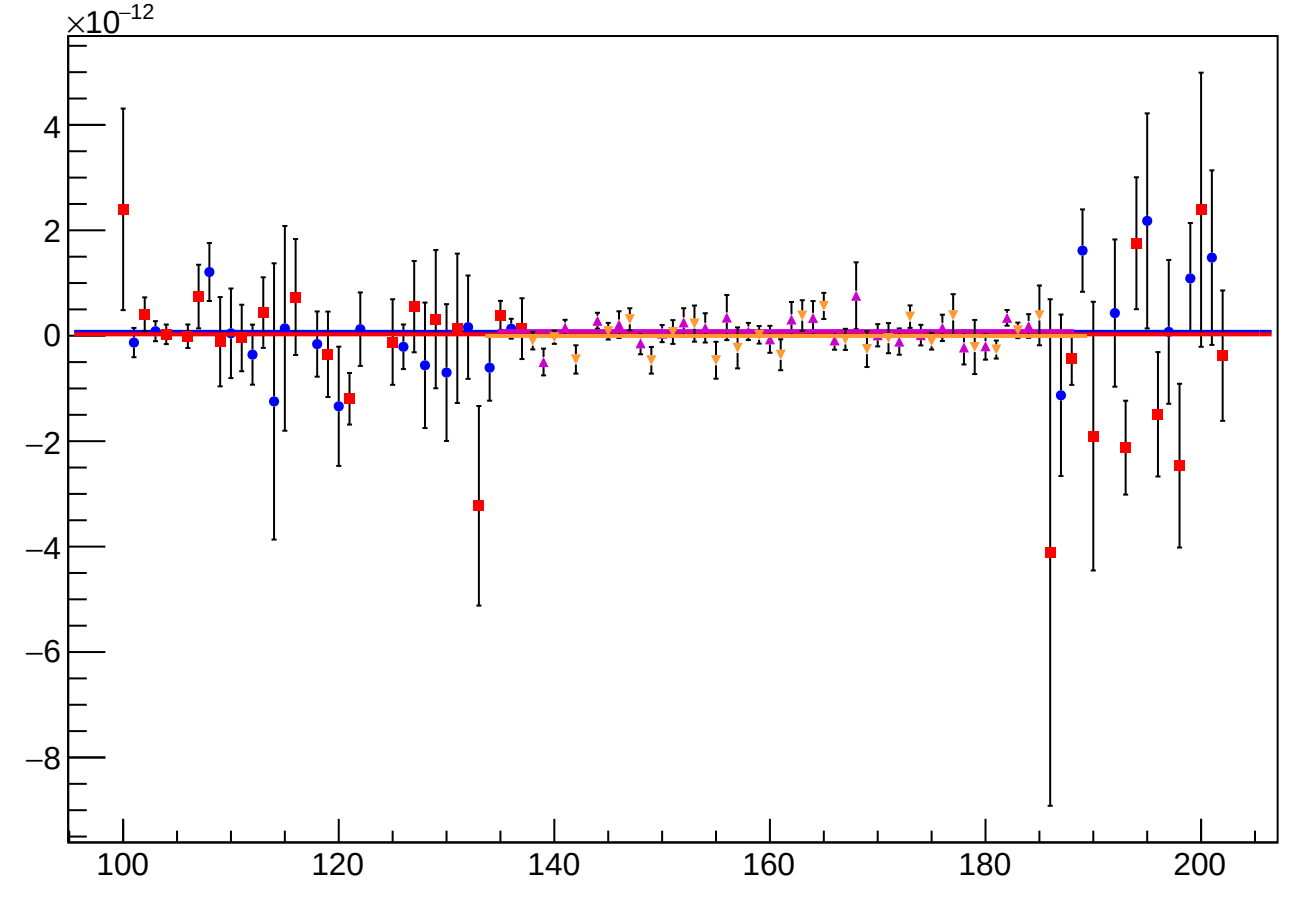
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6747.506+/-0.985 χ^2/NDF: 5365436.6/49

In: 7444.517+/-0.979 χ^2/NDF:3172452.0/45

Out: 7222.318+/-0.937 χ^2/NDF:4947738.0/50

All: 7328.466+/-0.677 χ^2/NDF: 8147081.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.9/26

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

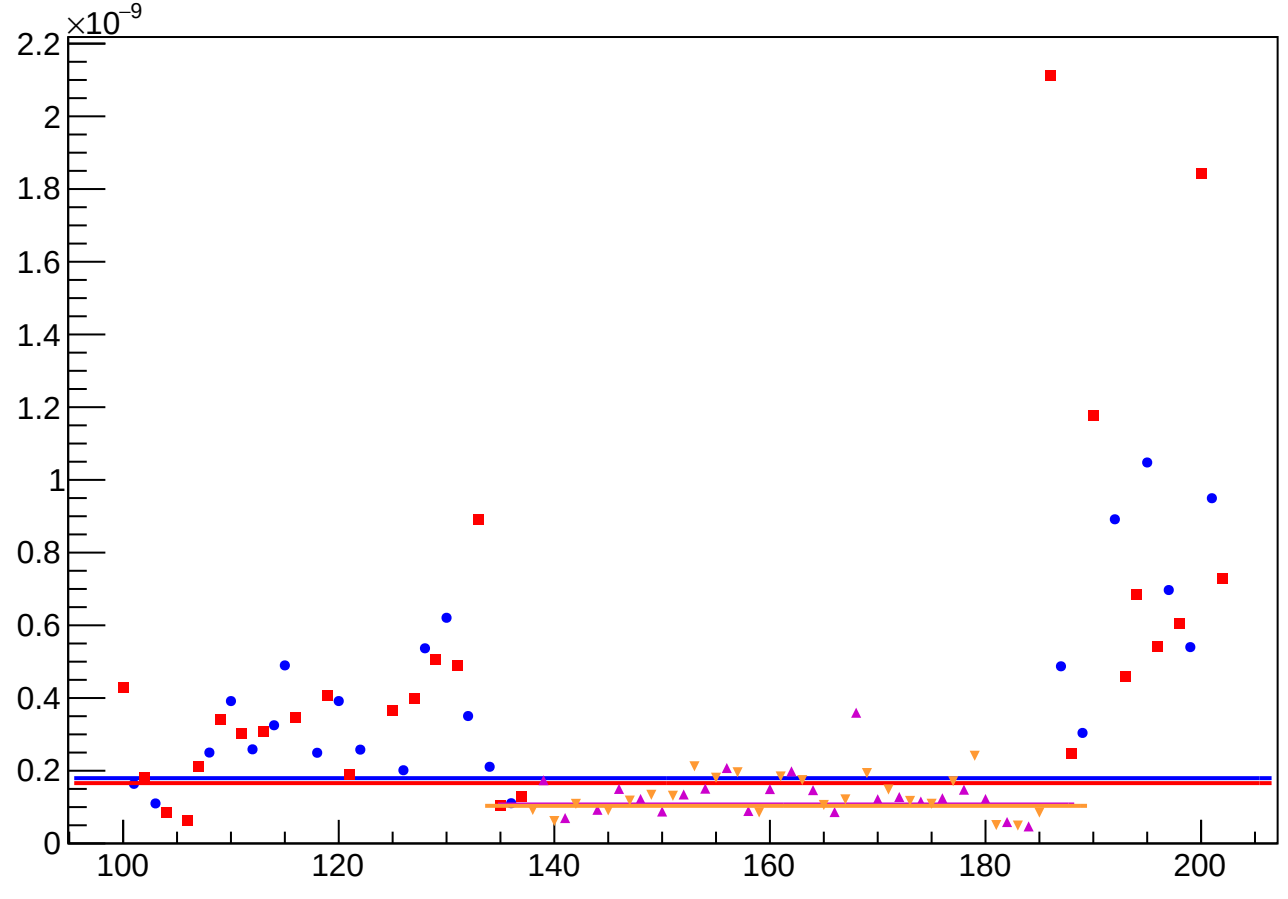
Right: 0.000+/-0.000 χ^2/NDF: 49.0/49

In: 0.000+/-0.000 χ^2/NDF:36.4/45

Out: 0.000+/-0.000 χ^2/NDF:60.6/50

All: 0.000+/-0.000 χ^2/NDF: 99.1/96

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3368123.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5145304.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

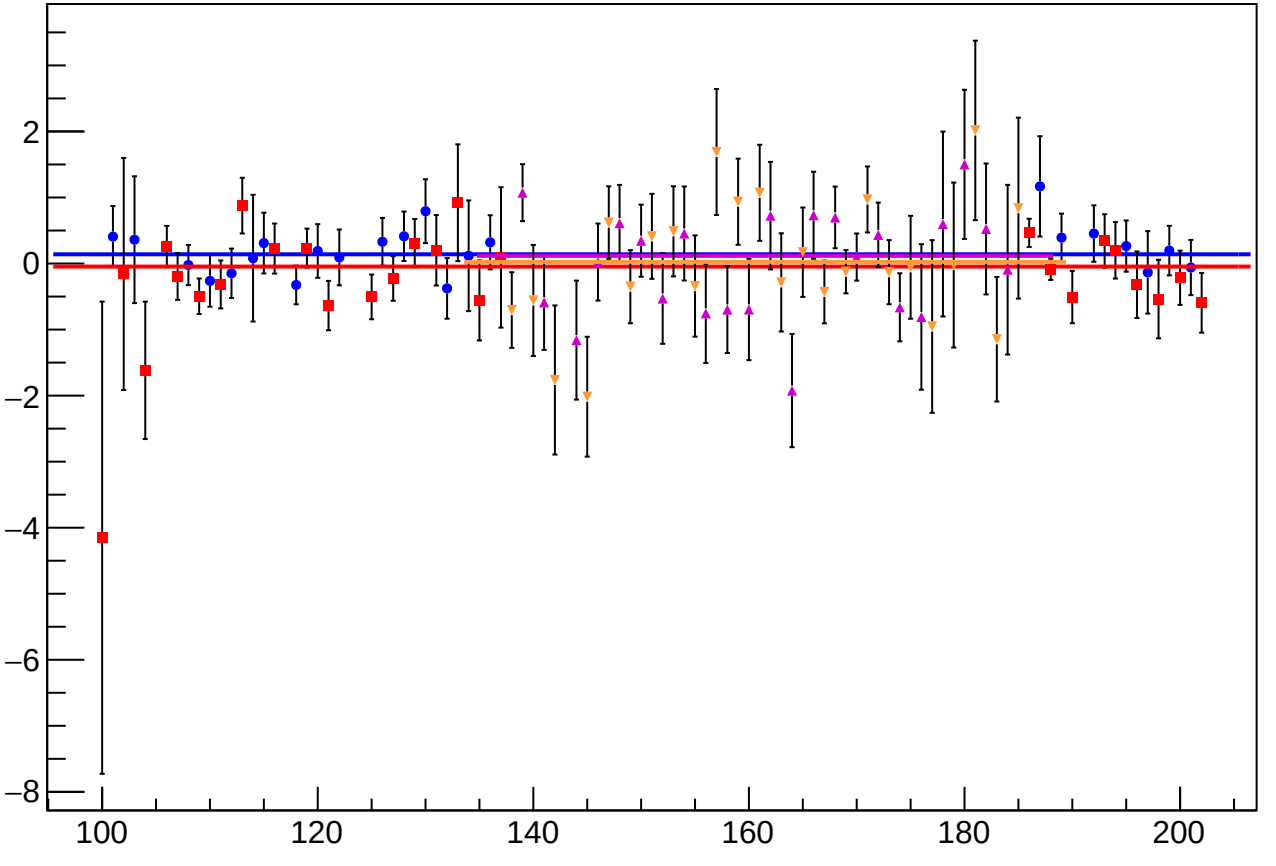
Right: 0.000+/-0.000 χ^2/NDF: 8532067.0/49

In: 0.000+/-0.000 χ^2/NDF:5817988.4/45

Out: 0.000+/-0.000 χ^2/NDF:7720815.6/50

All: 0.000+/-0.000 χ^2/NDF: 13555395.5/96

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.140+/-0.089 χ^2/NDF: 12.5/22

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

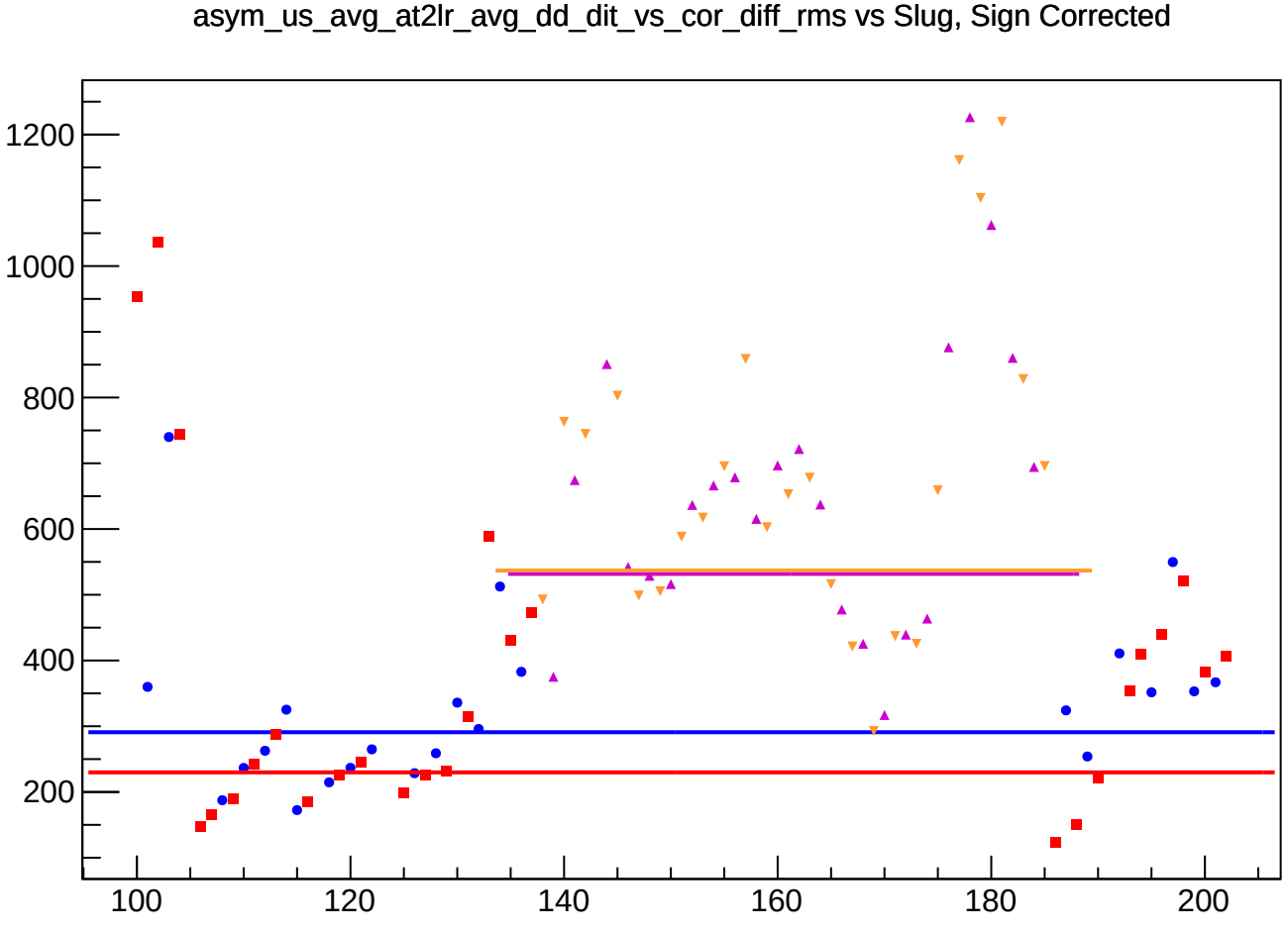
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.026+/-0.055 χ^2/NDF: 48.2/49

In: 0.133+/-0.074 χ^2/NDF:40.3/45

Out: -0.030+/-0.062 χ^2/NDF:62.3/50

All: 0.038+/-0.048 χ^2/NDF: 105.5/96



Right In: 290.912+/-0.063 χ^2/NDF: 2104610.8/22

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 229.840+/-0.050 χ^2/NDF: 4970047.8/26

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

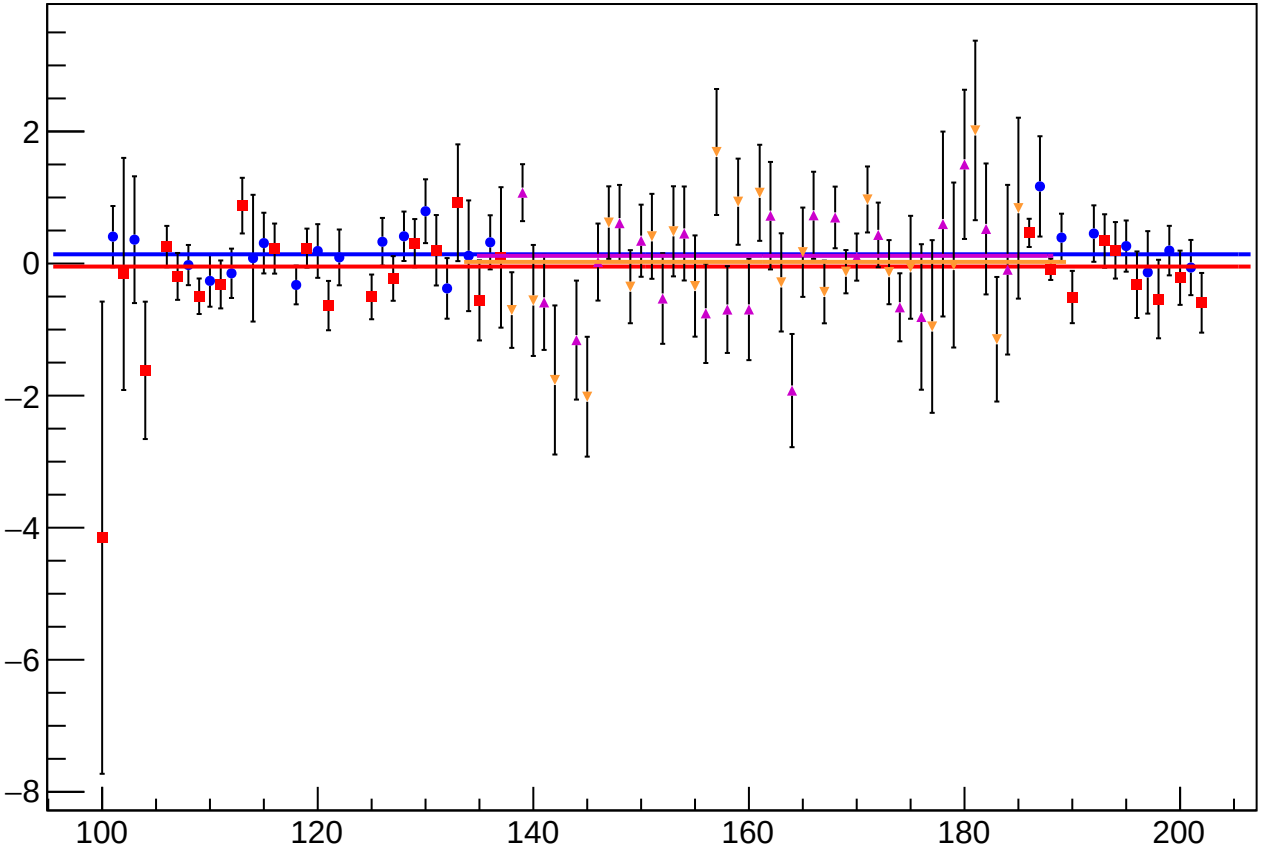
Right: 253.503+/-0.039 χ^2/NDF: 7657105.5/49

In: 365.328+/-0.052 χ^2/NDF:10055268.6/45

Out: 296.331+/-0.044 χ^2/NDF:17159898.3/50

All: 325.146+/-0.034 χ^2/NDF: 28237980.4/96

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.140+/-0.089 χ^2/NDF: 12.5/22

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

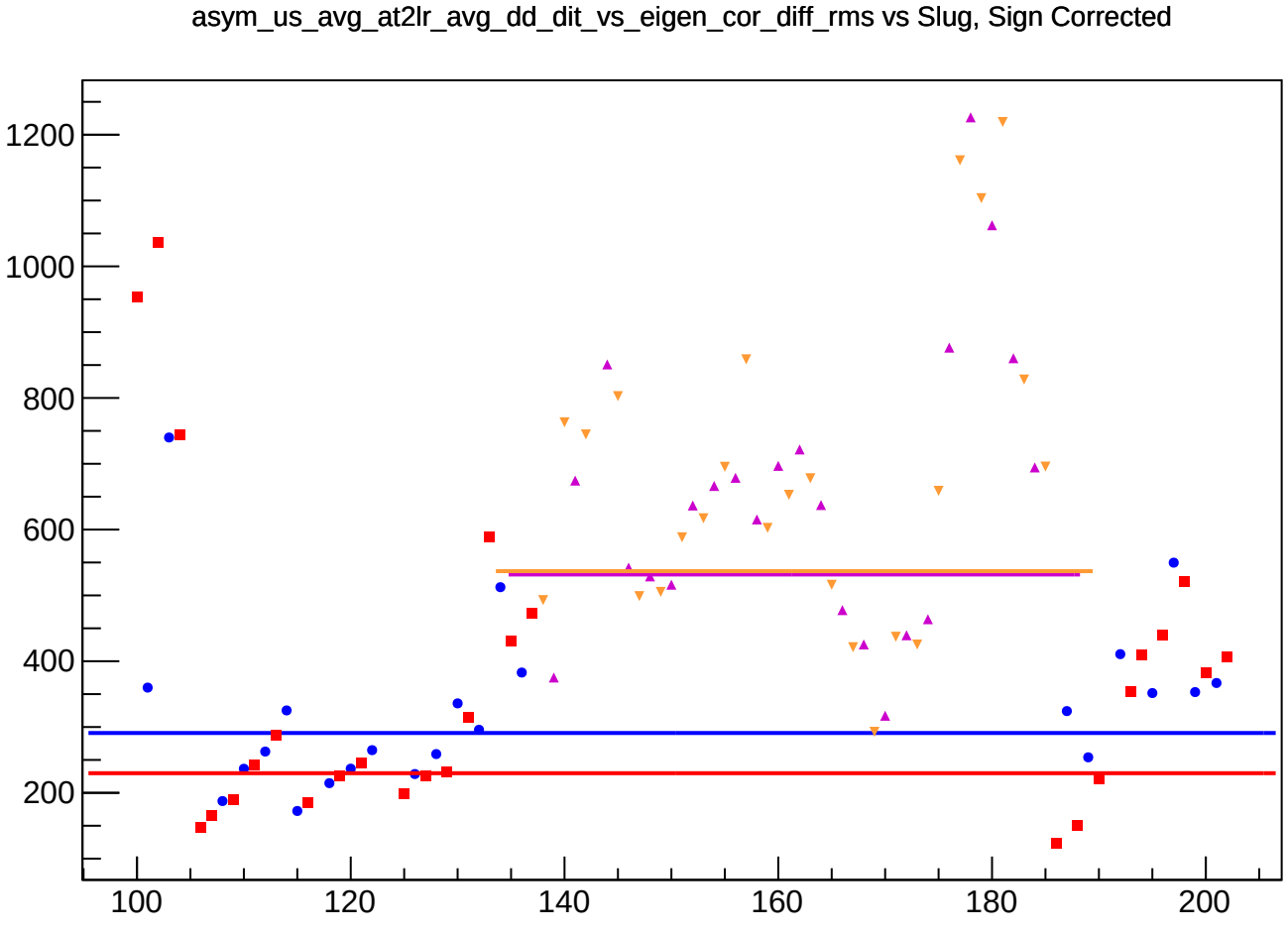
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

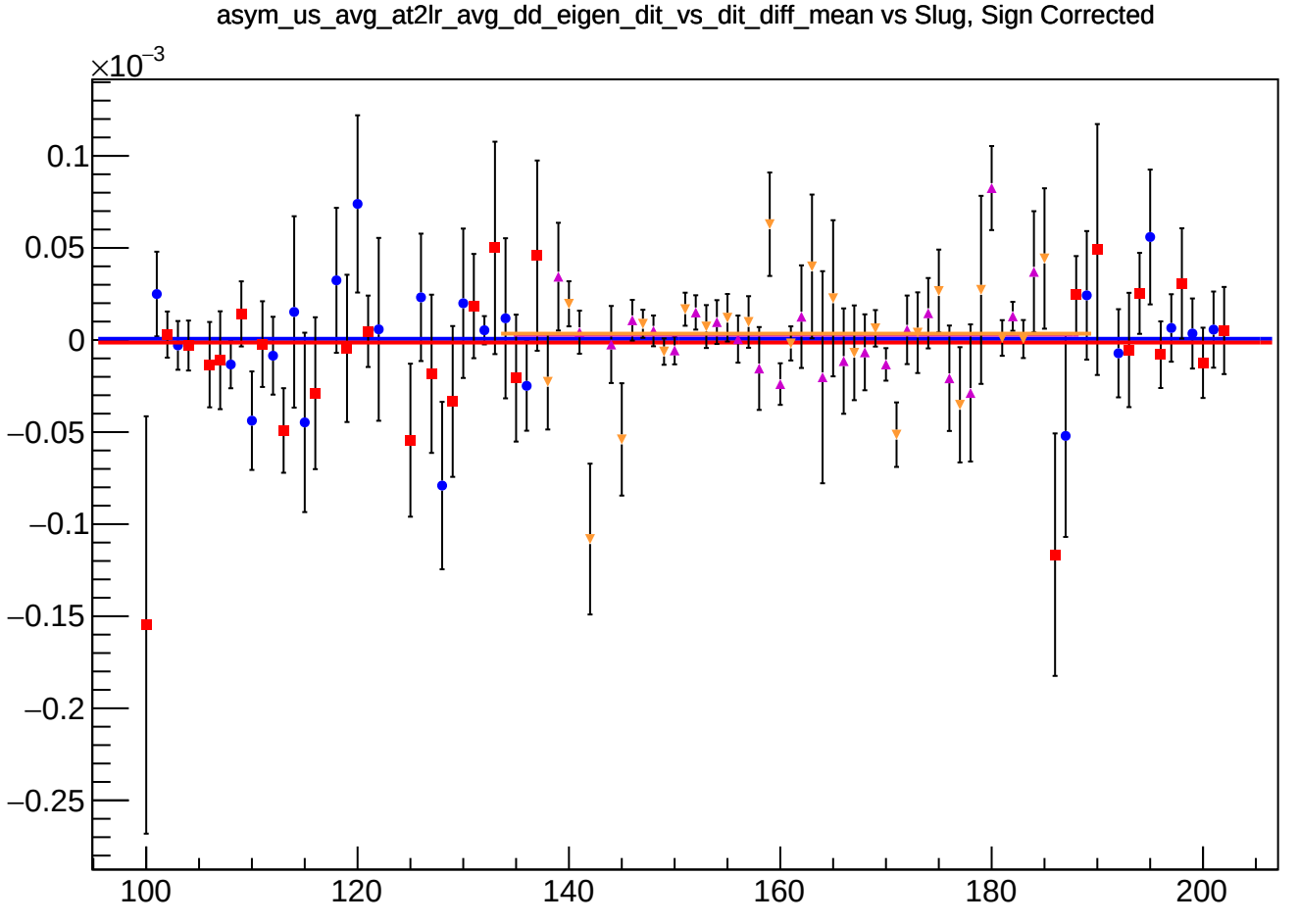
Right: 0.026+/-0.055 χ^2/NDF: 48.2/49

In: 0.133+/-0.074 χ^2/NDF:40.3/45

Out: -0.030+/-0.062 χ^2/NDF:62.3/50

All: 0.038+/-0.048 χ^2/NDF: 105.5/96


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 290.912+/-0.063 χ²/NDF: 2104610.8/22
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 229.840+/-0.050 χ²/NDF: 4970047.8/26
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
Left: 534.267+/-0.067 χ²/NDF: 7345889.1/46
Right: 253.503+/-0.039 χ²/NDF: 7657105.5/49
In: 365.328+/-0.052 χ²/NDF:10055268.6/45
Out: 296.331+/-0.044 χ²/NDF:17159898.3/50
All: 325.146+/-0.034 χ²/NDF: 28237980.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/26

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

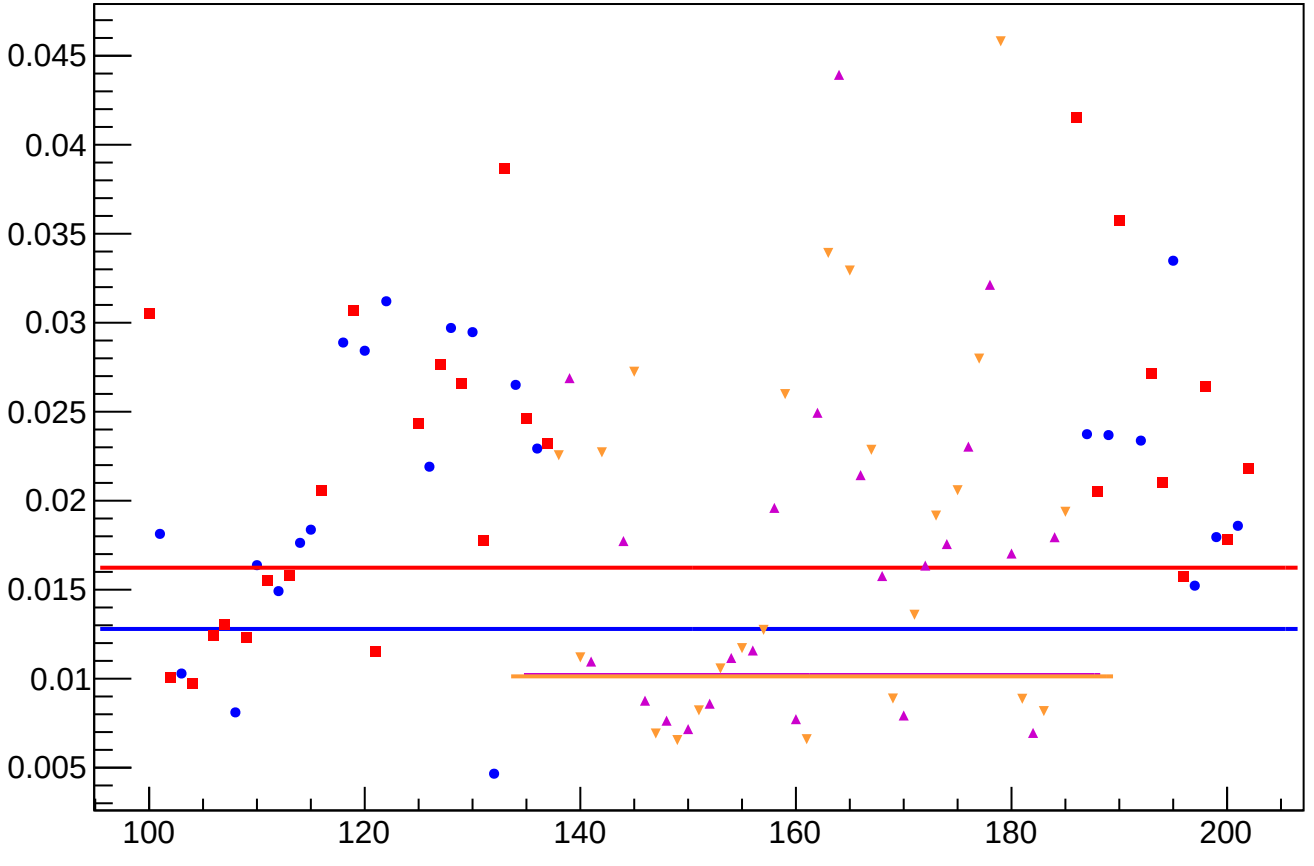
Right: -0.000+/-0.000 χ^2/NDF: 39.7/49

In: 0.000+/-0.000 χ^2/NDF:50.8/45

Out: 0.000+/-0.000 χ^2/NDF:61.0/50

All: 0.000+/-0.000 χ^2/NDF: 111.8/96

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: 6551061.4/22

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3609759.2/26

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

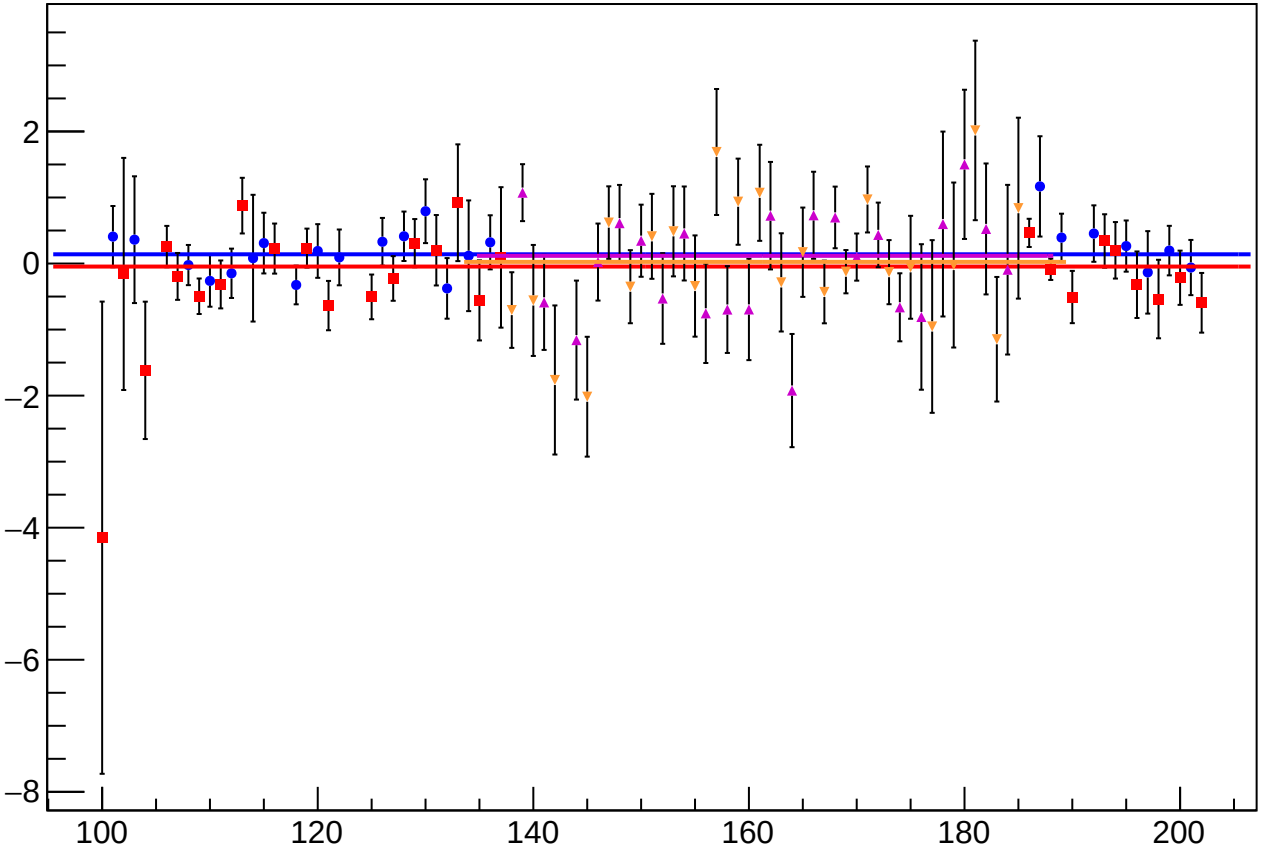
Right: 0.014+/-0.000 χ^2/NDF: 10734002.4/49

In: 0.011+/-0.000 χ^2/NDF:13126178.9/45

Out: 0.012+/-0.000 χ^2/NDF:13927062.4/50

All: 0.011+/-0.000 χ^2/NDF: 27147726.1/96

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.140+/-0.089 χ^2/NDF: 12.5/22

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

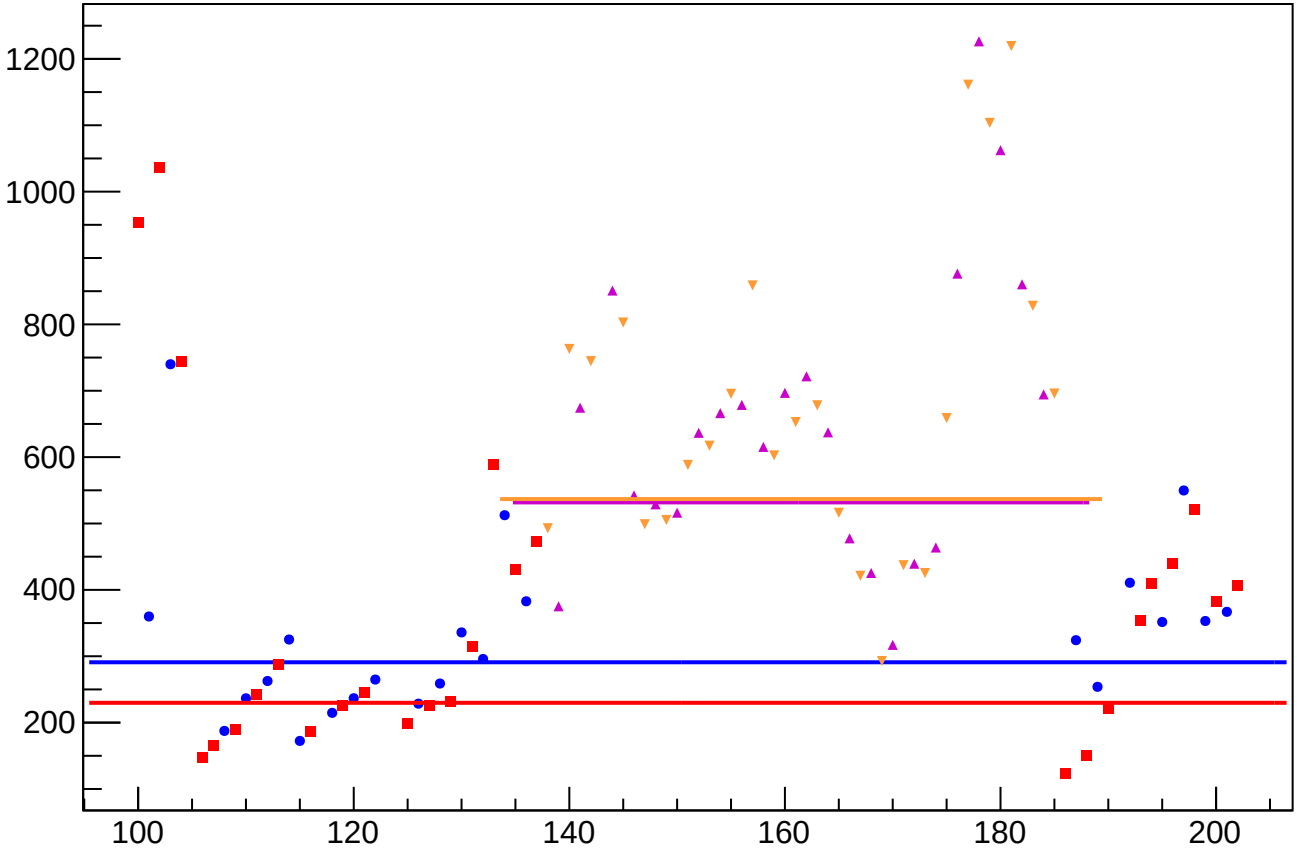
Right: 0.026+/-0.055 χ^2/NDF: 48.2/49

In: 0.133+/-0.074 χ^2/NDF:40.3/45

Out: -0.030+/-0.062 χ^2/NDF:62.3/50

All: 0.038+/-0.048 χ^2/NDF: 105.5/96

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 290.910+/-0.063 χ^2/NDF: 2104602.9/22

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 229.837+/-0.050 χ^2/NDF: 4970174.0/26

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

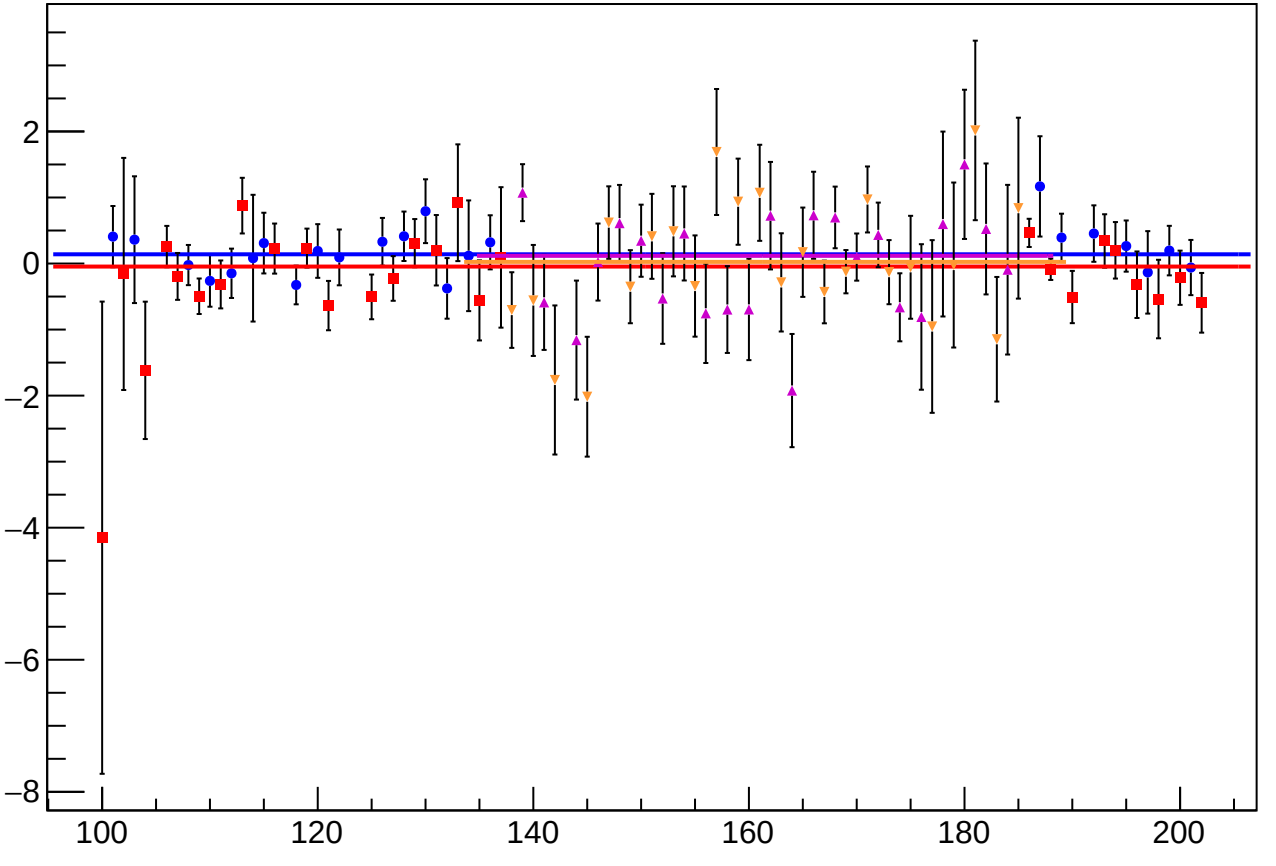
Right: 253.500+/-0.039 χ^2/NDF: 7657244.9/49

In: 365.326+/-0.052 χ^2/NDF:10055510.5/45

Out: 296.328+/-0.044 χ^2/NDF:17160354.1/50

All: 325.143+/-0.034 χ^2/NDF: 28238728.3/96

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.140+/-0.089 χ^2/NDF: 12.5/22

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

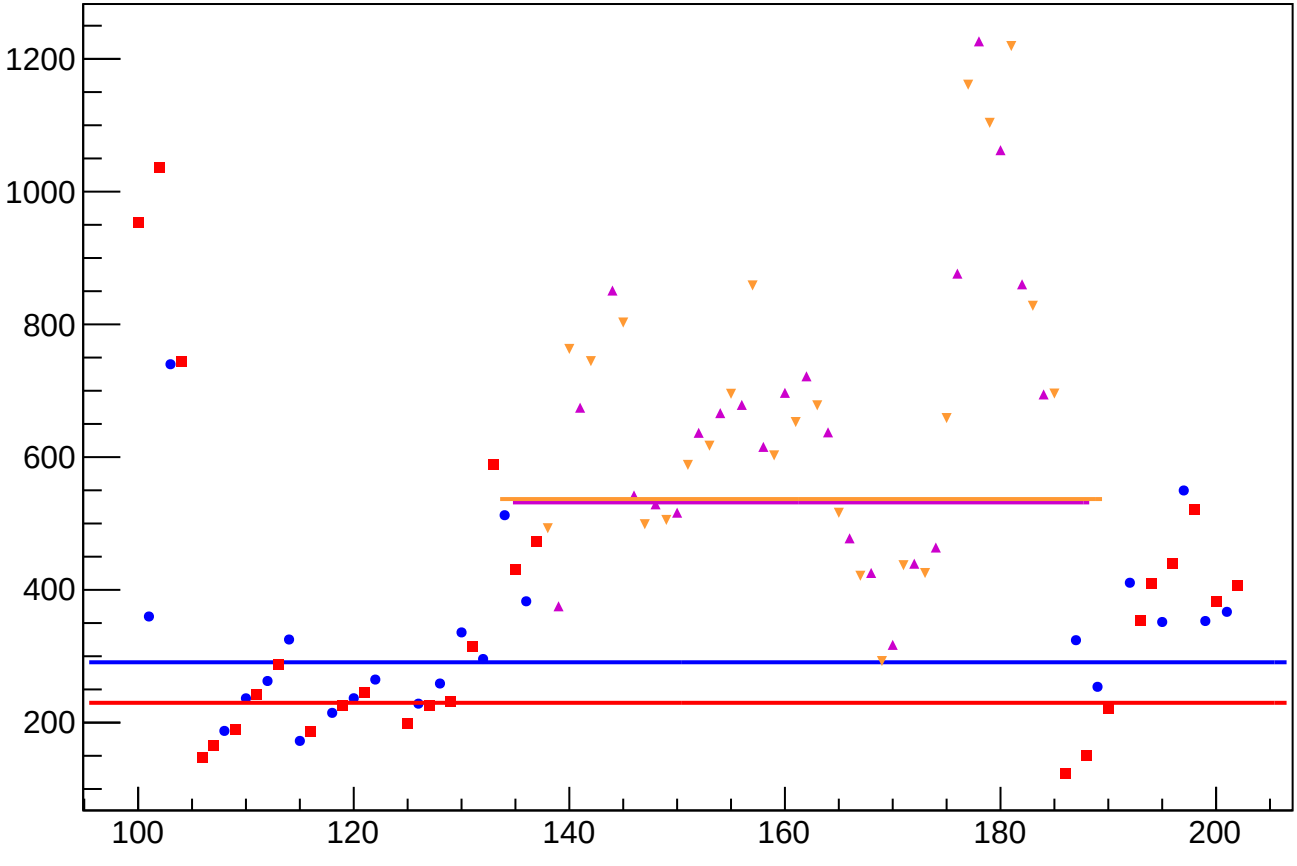
Right: 0.026+/-0.055 χ^2/NDF: 48.2/49

In: 0.133+/-0.074 χ^2/NDF:40.3/45

Out: -0.030+/-0.062 χ^2/NDF:62.3/50

All: 0.038+/-0.048 χ^2/NDF: 105.5/96

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 290.910+/-0.063 χ^2/NDF: 2104602.9/22

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 229.837+/-0.050 χ^2/NDF: 4970174.0/26

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

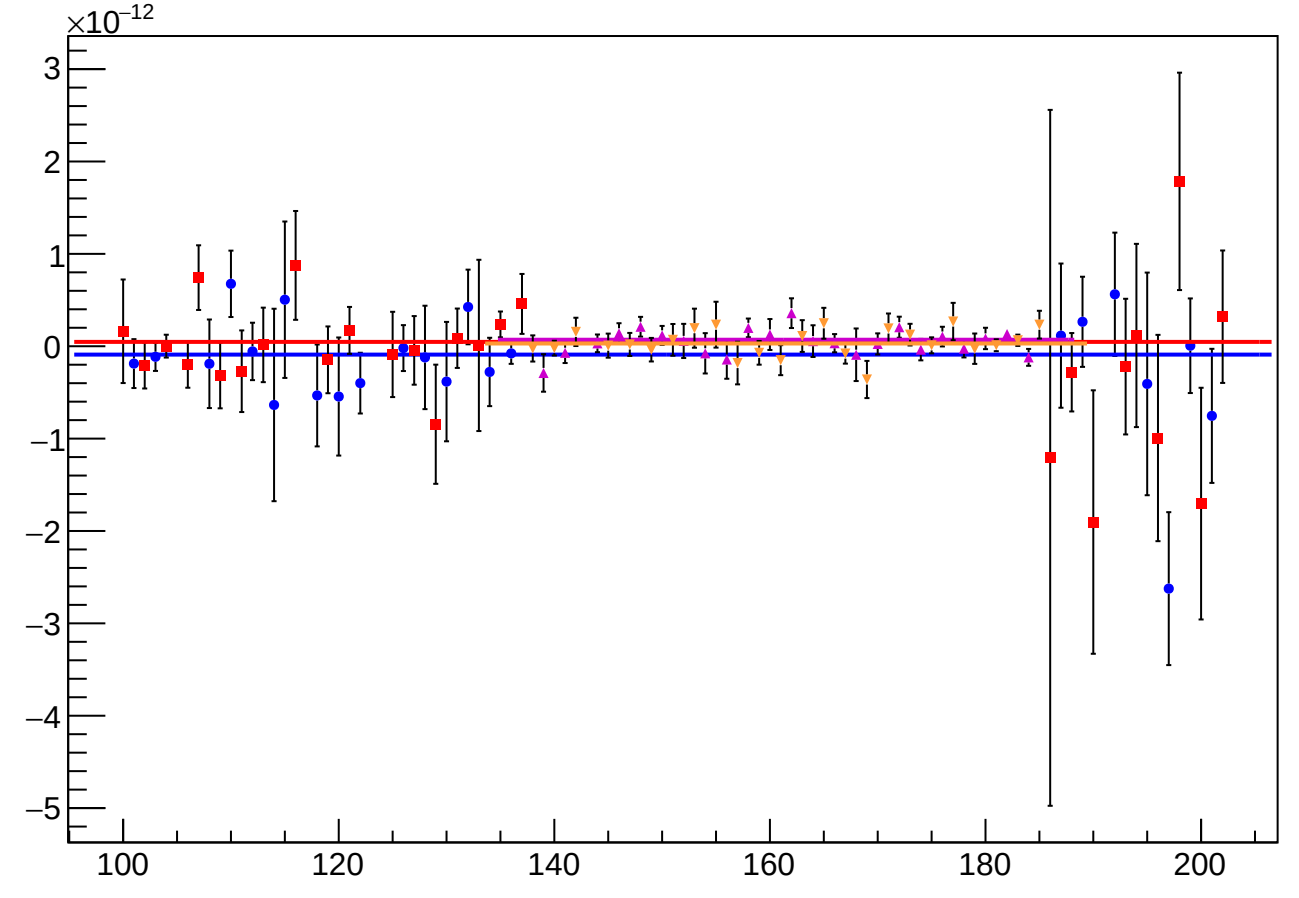
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 253.500+/-0.039 χ^2/NDF: 7657244.9/49

In: 365.326+/-0.052 χ^2/NDF:10055510.5/45

Out: 296.328+/-0.044 χ^2/NDF:17160354.1/50

All: 325.143+/-0.034 χ^2/NDF: 28238728.3/96



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/26

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

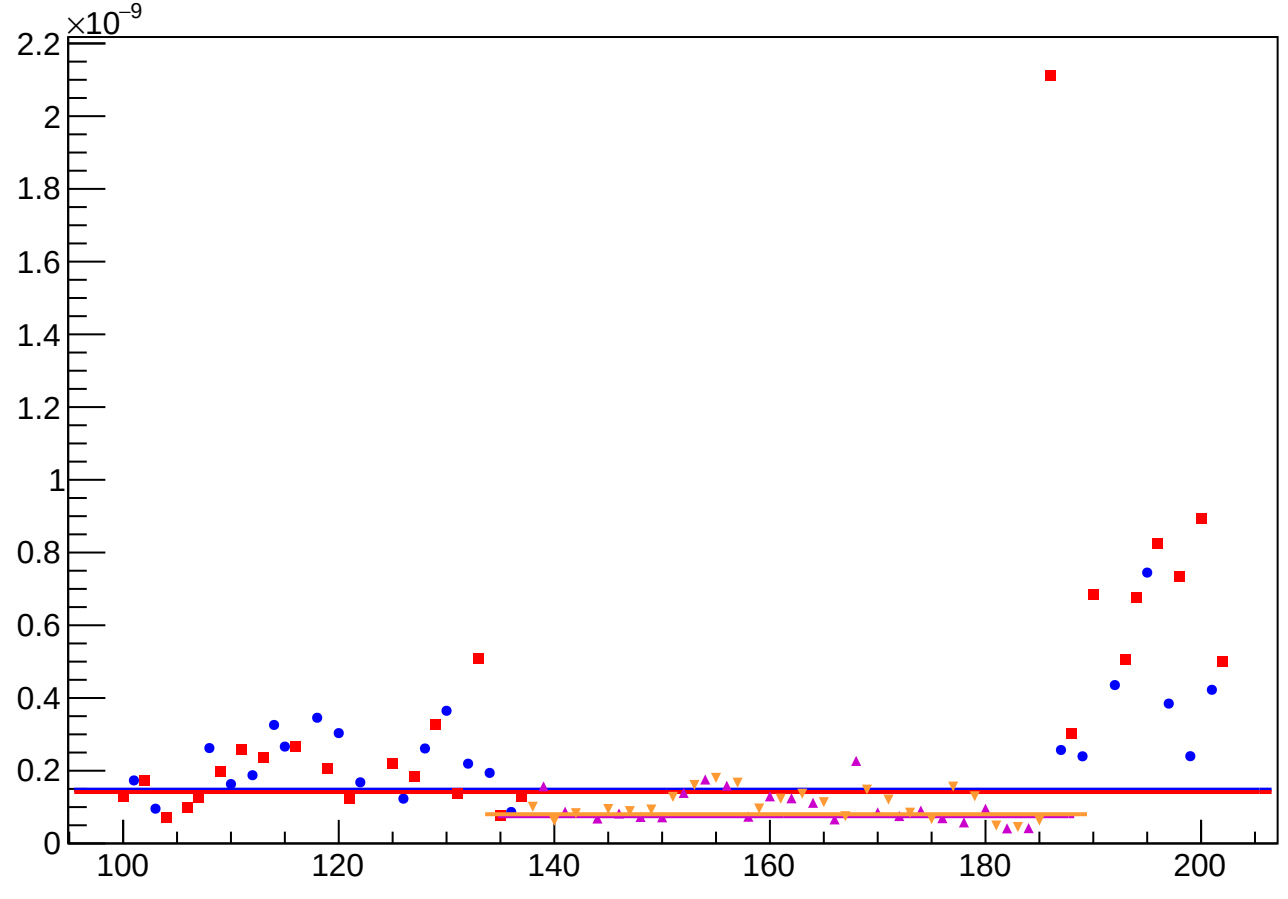
Right: -0.000+/-0.000 χ^2/NDF: 47.5/49

In: 0.000+/-0.000 χ^2/NDF:50.2/45

Out: 0.000+/-0.000 χ^2/NDF:41.4/50

All: 0.000+/-0.000 χ^2/NDF: 92.1/96

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: 3377664.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6864264.6/26

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

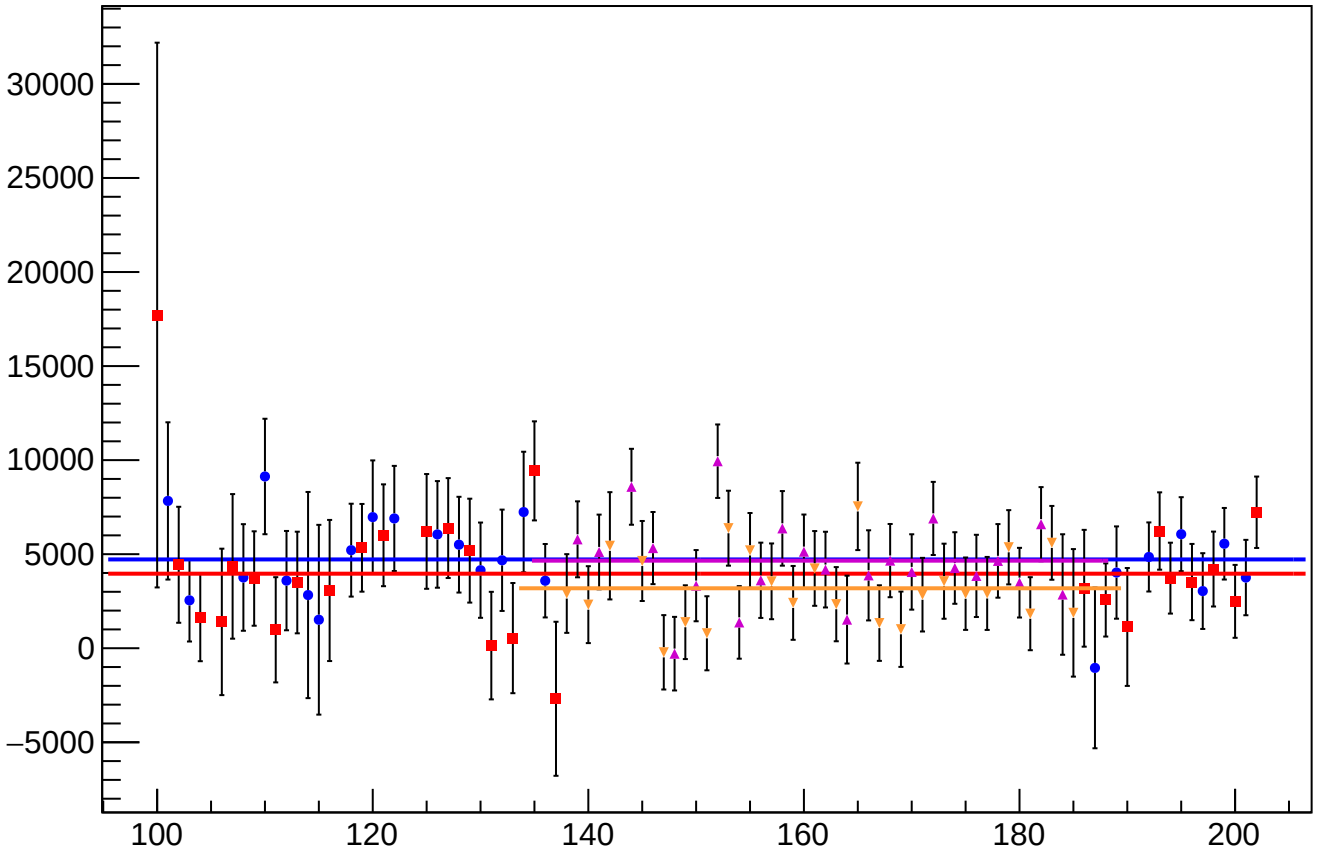
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 10252032.4/49

In: 0.000+/-0.000 χ^2/NDF:9192951.8/45

Out: 0.000+/-0.000 χ^2/NDF:12237428.6/50

All: 0.000+/-0.000 χ^2/NDF: 21492715.2/96



Right In: 4720.698+/-527.418 χ^2/NDF: 10.4/22

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3962.507+/-494.275 χ^2/NDF: 22.4/26

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

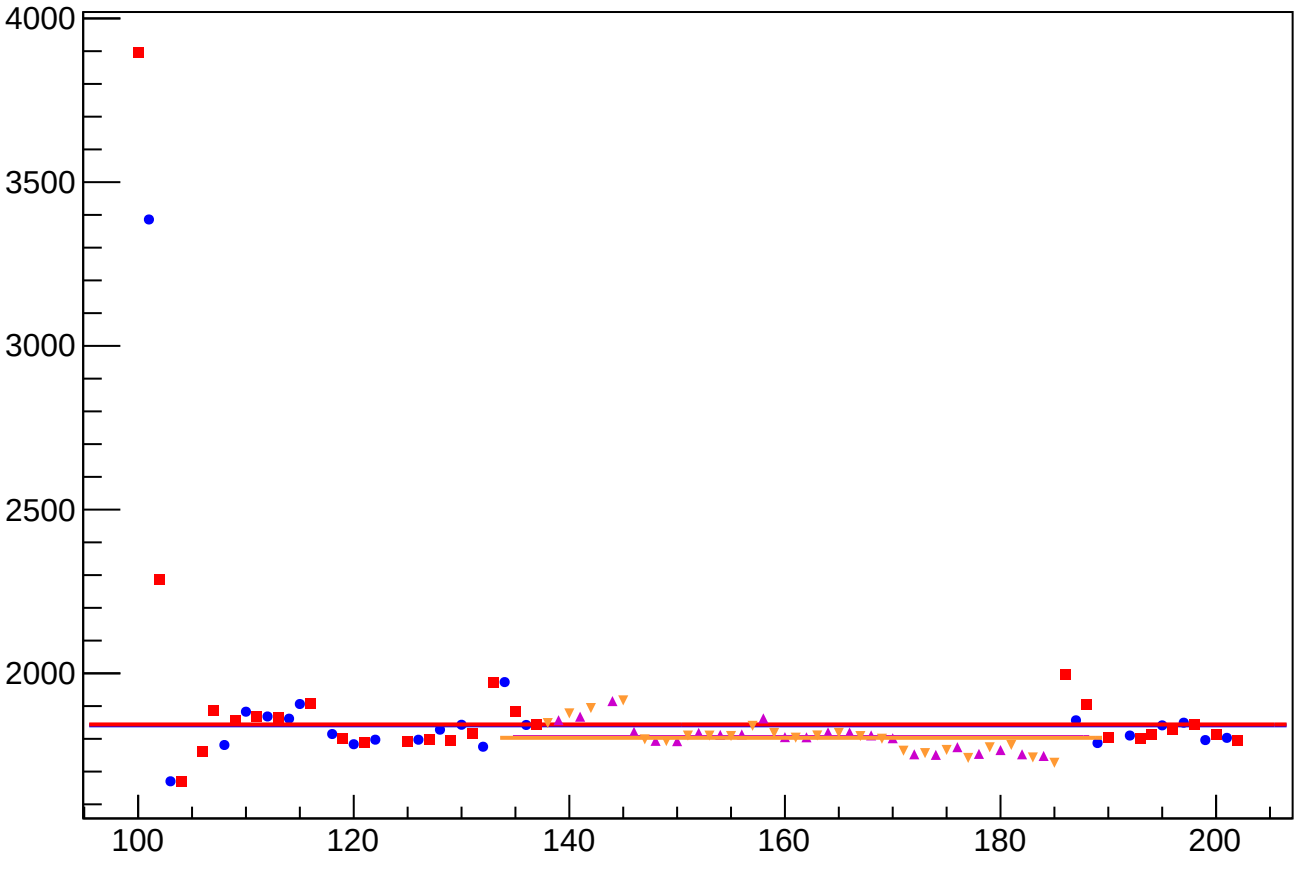
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4317.033+/-360.653 χ^2/NDF: 34.0/49

In: 4680.746+/-329.360 χ^2/NDF:38.2/45

Out: 3510.994+/-319.445 χ^2/NDF:43.7/50

All: 4077.998+/-229.307 χ^2/NDF: 88.4/96



Right In: 1841.241+/-0.373 χ^2/NDF: 297157.4/22

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1843.946+/-0.349 χ^2/NDF: 112944.4/26

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

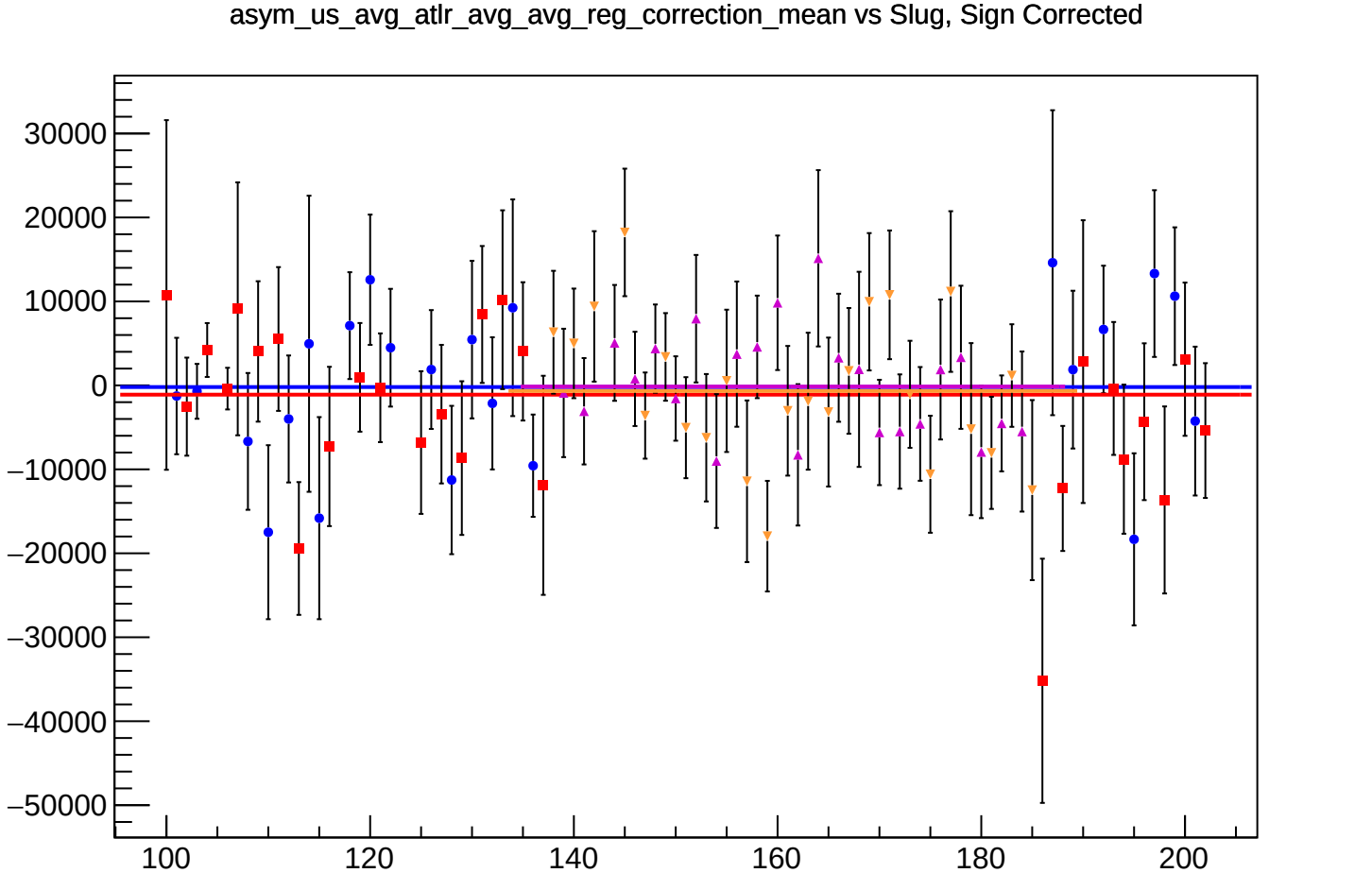
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1842.683+/-0.255 χ^2/NDF: 410129.8/49

In: 1819.473+/-0.233 χ^2/NDF:322056.4/45

Out: 1820.200+/-0.226 χ^2/NDF:141547.2/50

All: 1819.848+/-0.162 χ^2/NDF: 463608.6/96



Right In: -197.730+/-1580.606 χ^2/NDF: 23.4/22

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1105.302+/-1307.187 χ^2/NDF: 25.8/26

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

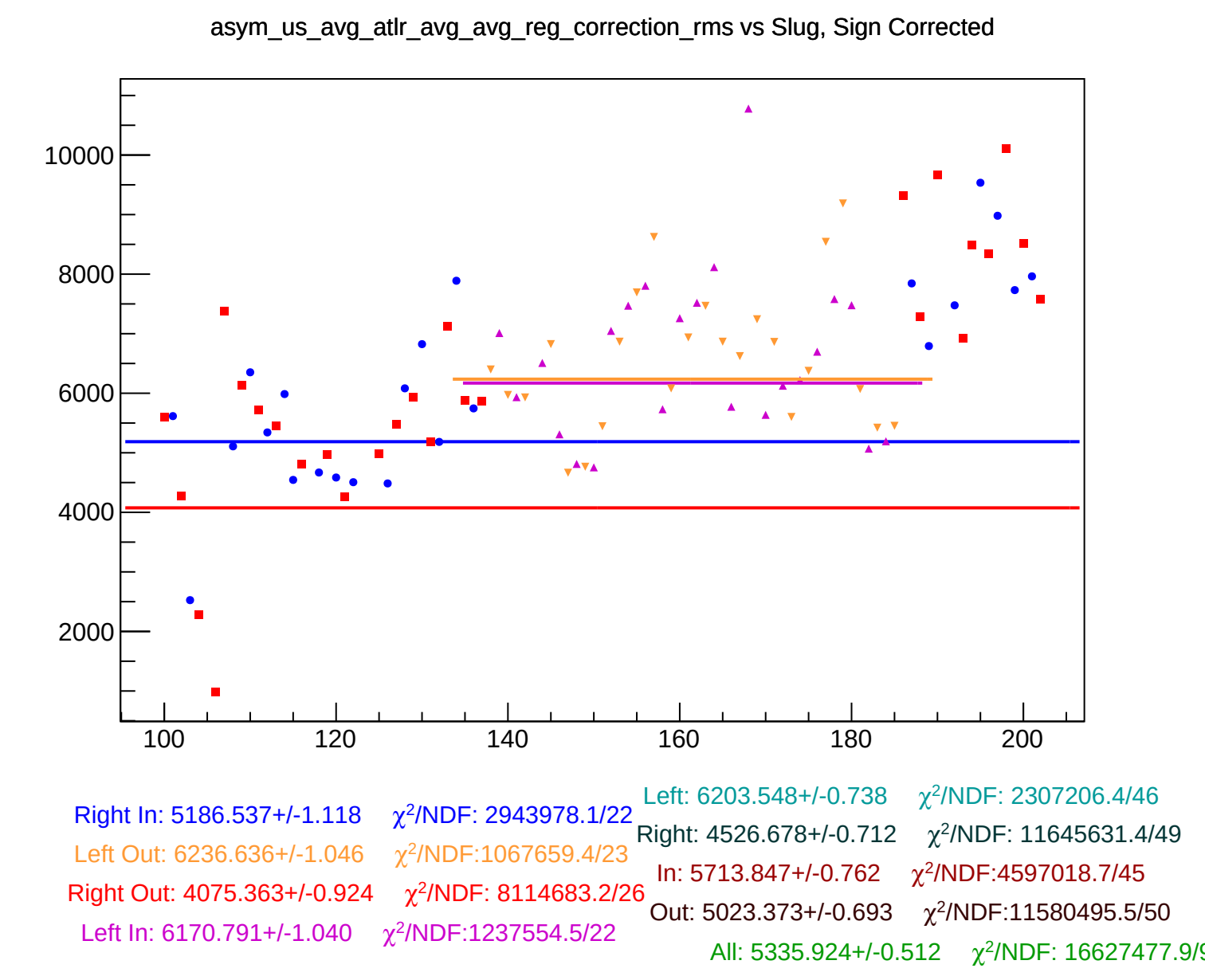
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

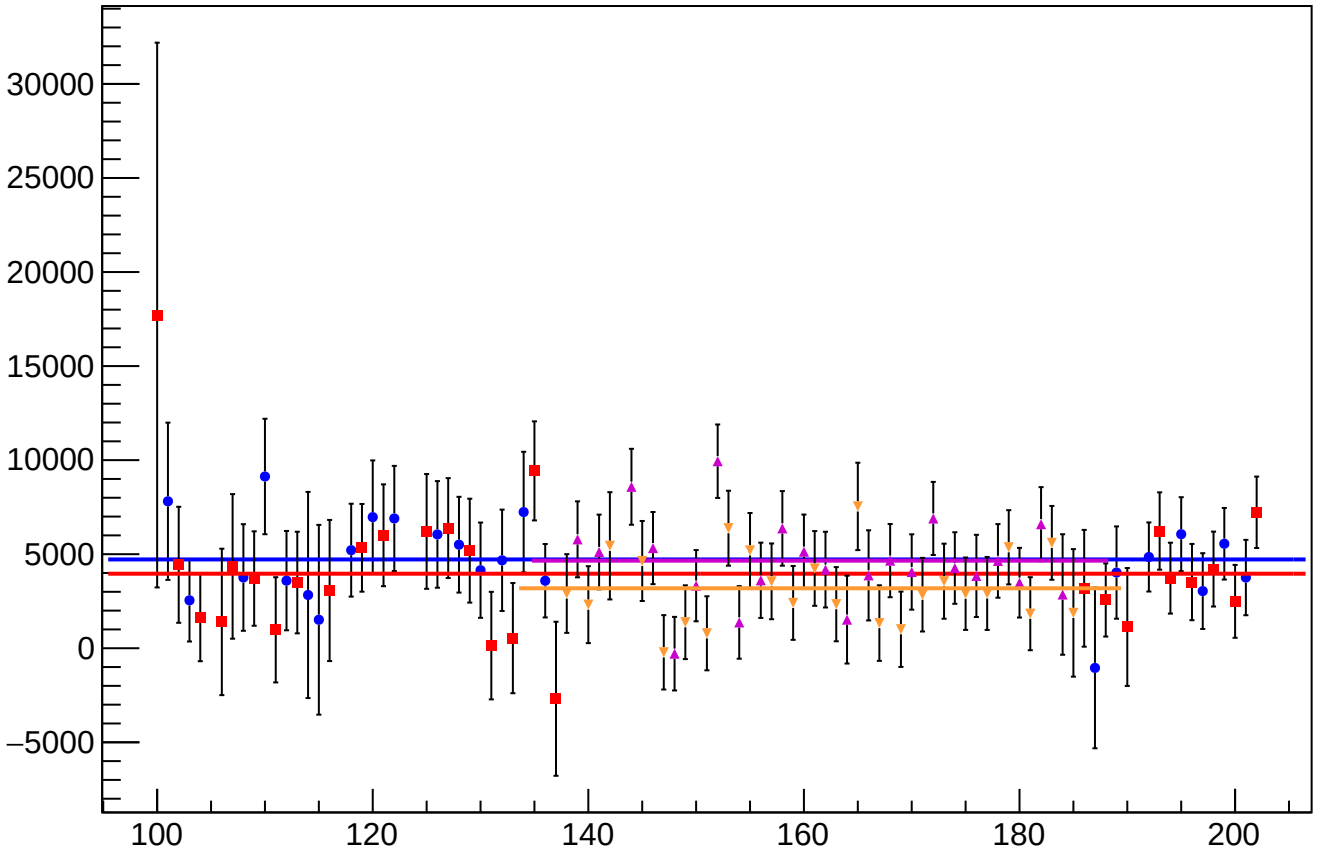
Right: -736.682+/-1007.331 χ^2/NDF: 49.4/49

In: -168.641+/-1076.965 χ^2/NDF:37.0/45

Out: -913.154+/-979.401 χ^2/NDF:55.6/50

All: -576.142+/-724.584 χ^2/NDF: 92.9/96


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 5186.537+/-1.118 χ²/NDF: 2943978.1/22
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 4075.363+/-0.924 χ²/NDF: 8114683.2/26
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4526.678+/-0.712 χ²/NDF: 11645631.4/49
In: 5713.847+/-0.762 χ²/NDF:4597018.7/45
Out: 5023.373+/-0.693 χ²/NDF:11580495.5/50
All: 5335.924+/-0.512 χ²/NDF: 16627477.9/9



Right In: 4720.499+/-527.418 χ^2/NDF: 10.4/22

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3962.379+/-494.275 χ^2/NDF: 22.4/26

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

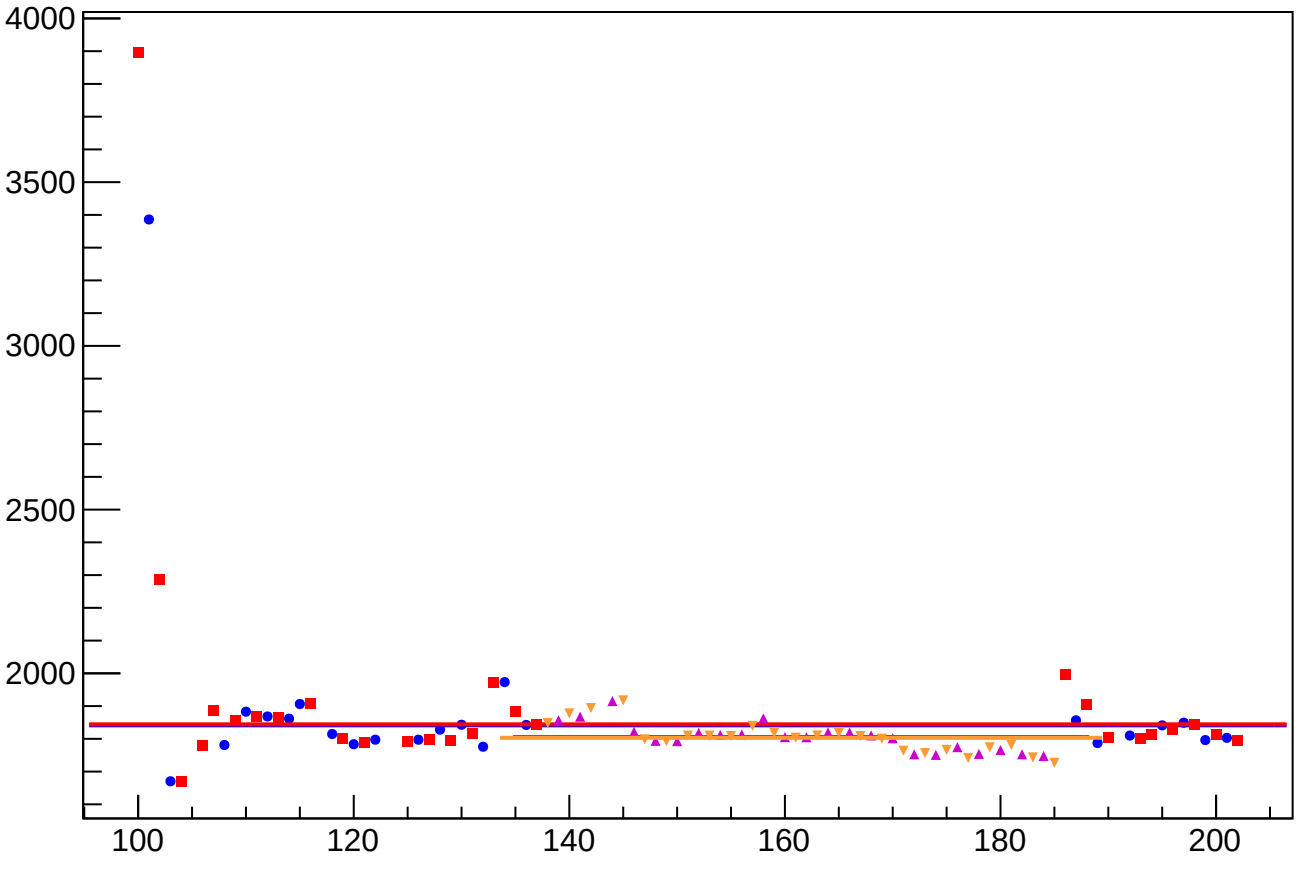
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4316.872+/-360.653 χ^2/NDF: 33.9/49

In: 4680.680+/-329.360 χ^2/NDF:38.2/45

Out: 3510.901+/-319.445 χ^2/NDF:43.7/50

All: 4077.918+/-229.307 χ^2/NDF: 88.4/96



Right In: 1841.241+/-0.373 χ^2/NDF: 297159.2/22

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1844.300+/-0.349 χ^2/NDF: 112530.8/26

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

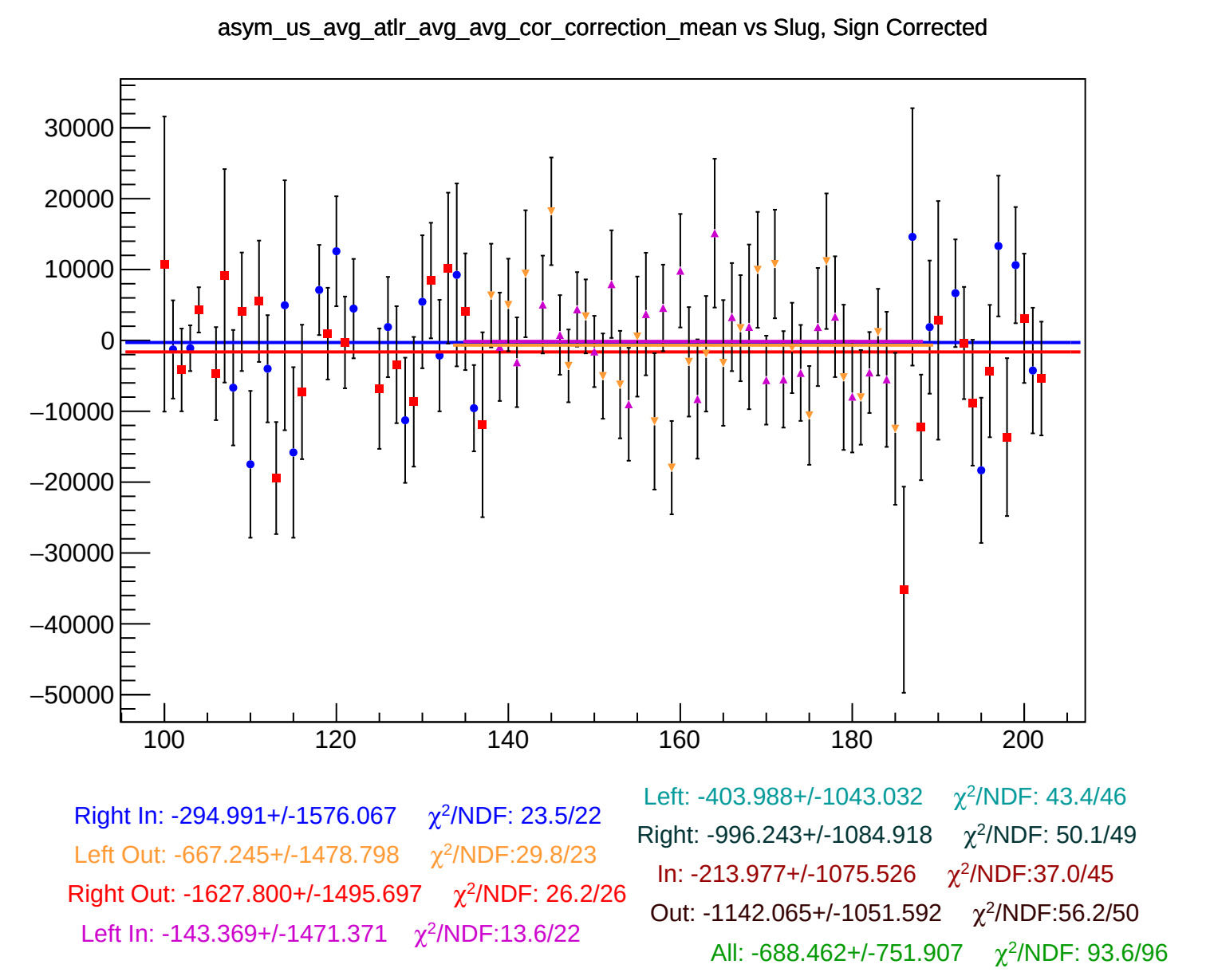
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1842.872+/-0.255 χ^2/NDF: 409725.9/49

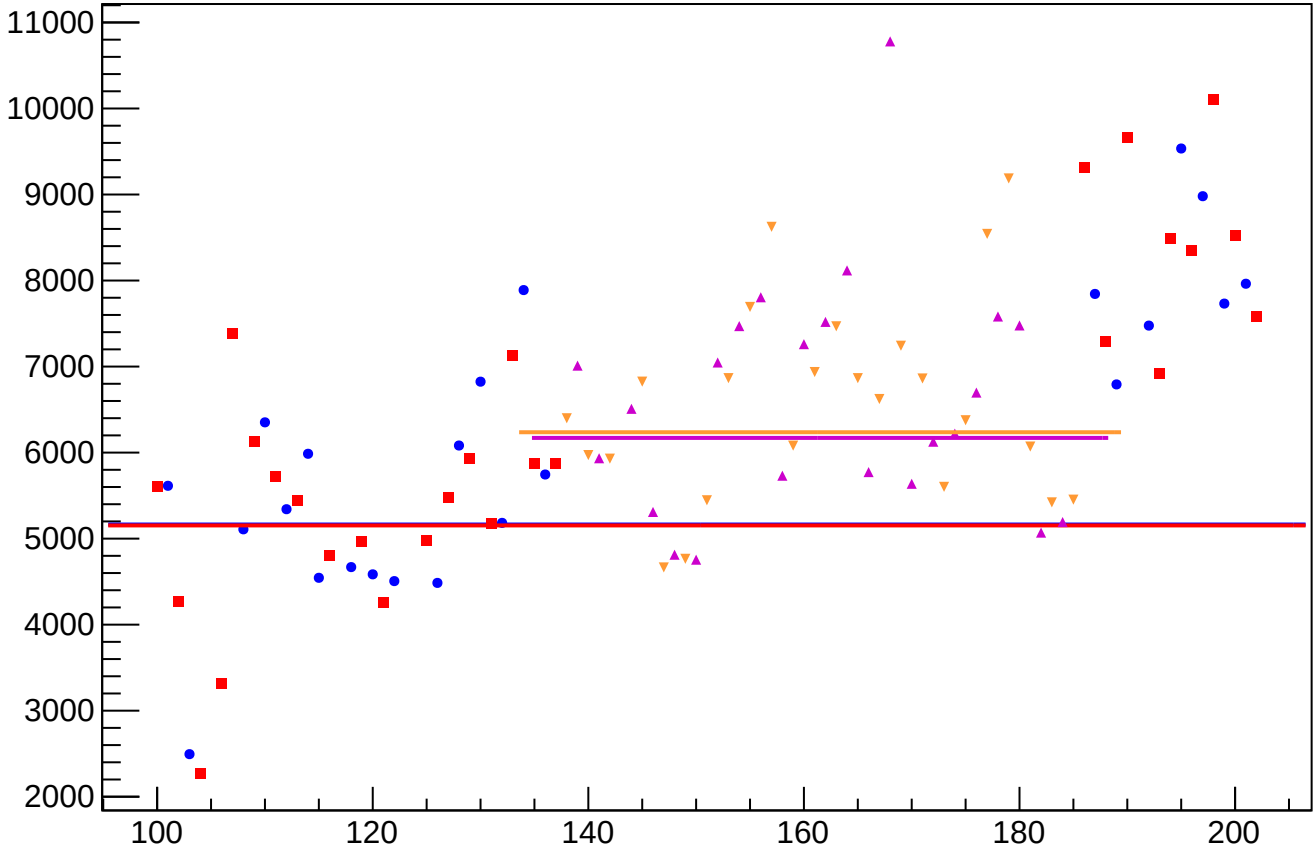
In: 1819.473+/-0.233 χ^2/NDF:322058.2/45

Out: 1820.345+/-0.226 χ^2/NDF:141270.9/50

All: 1819.923+/-0.162 χ^2/NDF: 463336.3/96


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -294.991+/-1576.067 χ²/NDF: 23.5/22
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1627.800+/-1495.697 χ²/NDF: 26.2/26
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -996.243+/-1084.918 χ²/NDF: 50.1/49
In: -213.977+/-1075.526 χ²/NDF:37.0/45
Out: -1142.065+/-1051.592 χ²/NDF:56.2/50
All: -688.462+/-751.907 χ²/NDF: 93.6/96

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5163.921+/-1.114 χ^2/NDF: 3007752.1/22

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5153.457+/-1.058 χ^2/NDF: 4006724.5/26

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

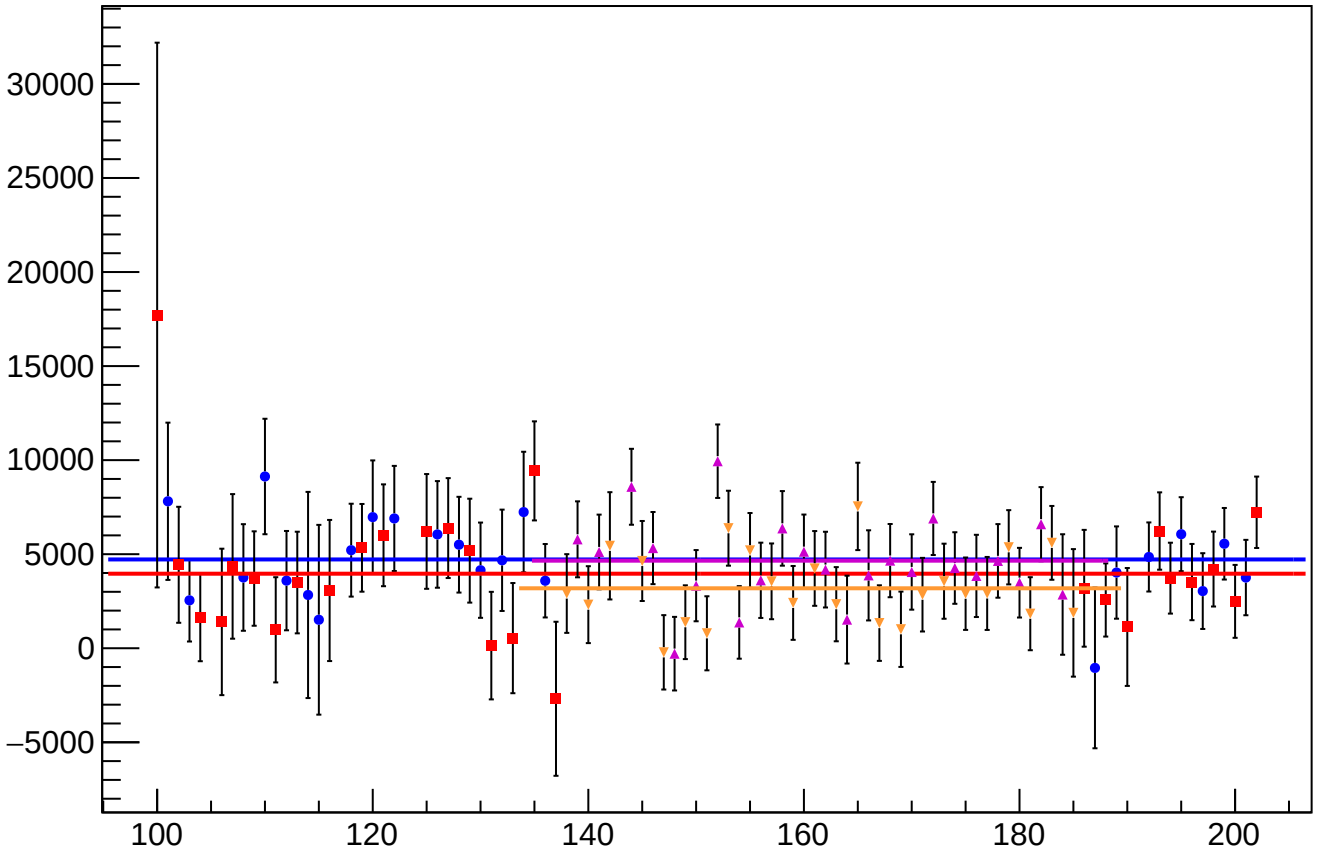
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5158.416+/-0.767 χ^2/NDF: 7014523.0/49

In: 5701.906+/-0.761 χ^2/NDF:4681453.1/45

Out: 5701.200+/-0.744 χ^2/NDF:5604808.8/50

All: 5701.545+/-0.532 χ^2/NDF: 10286262.4/9



Right In: 4720.499+/-527.418 χ^2/NDF: 10.4/22

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3962.379+/-494.275 χ^2/NDF: 22.4/26

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

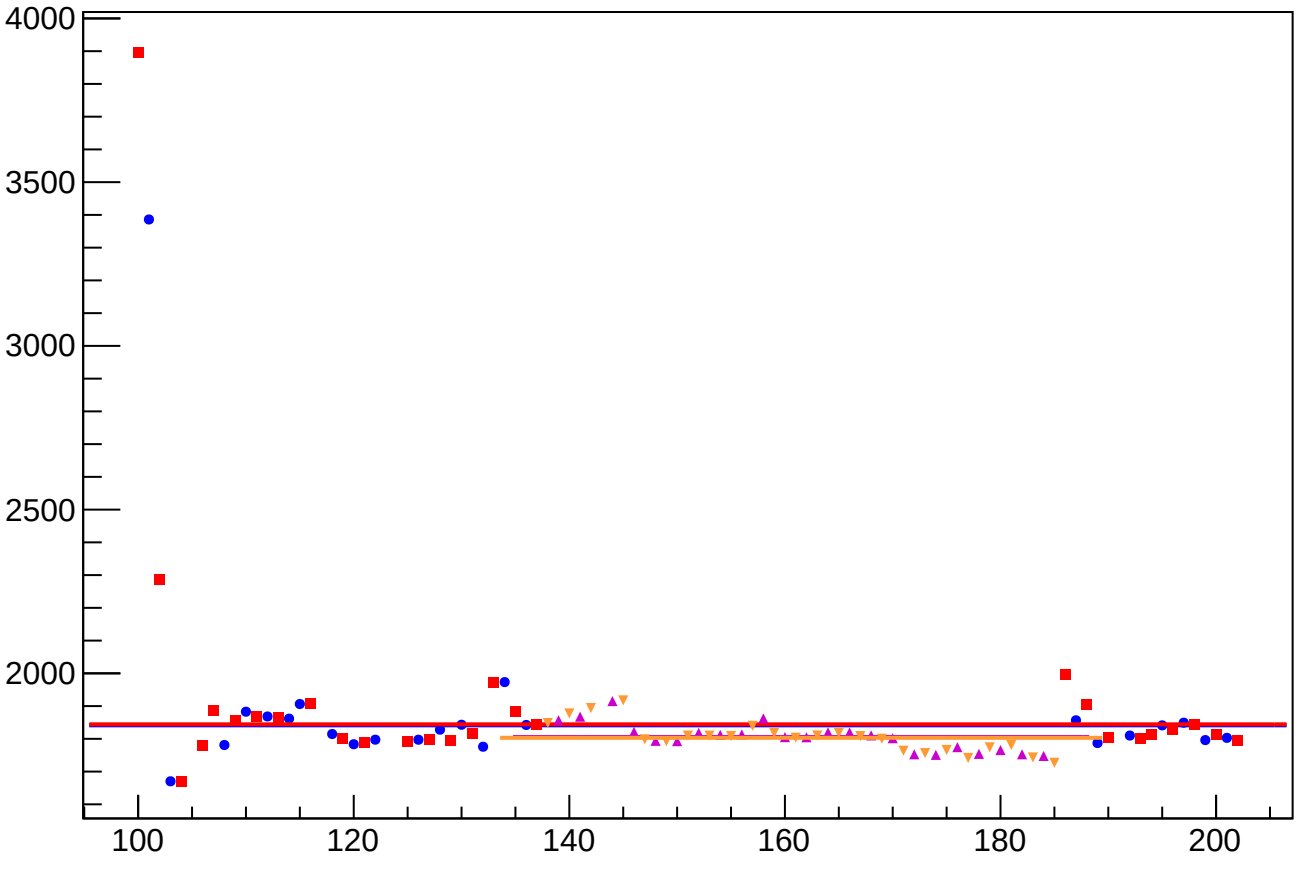
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4316.872+/-360.653 χ^2/NDF: 33.9/49

In: 4680.680+/-329.360 χ^2/NDF:38.2/45

Out: 3510.901+/-319.445 χ^2/NDF:43.7/50

All: 4077.918+/-229.307 χ^2/NDF: 88.4/96



Right In: 1841.241+/-0.373 χ^2/NDF: 297159.2/22

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1844.300+/-0.349 χ^2/NDF: 112530.8/26

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

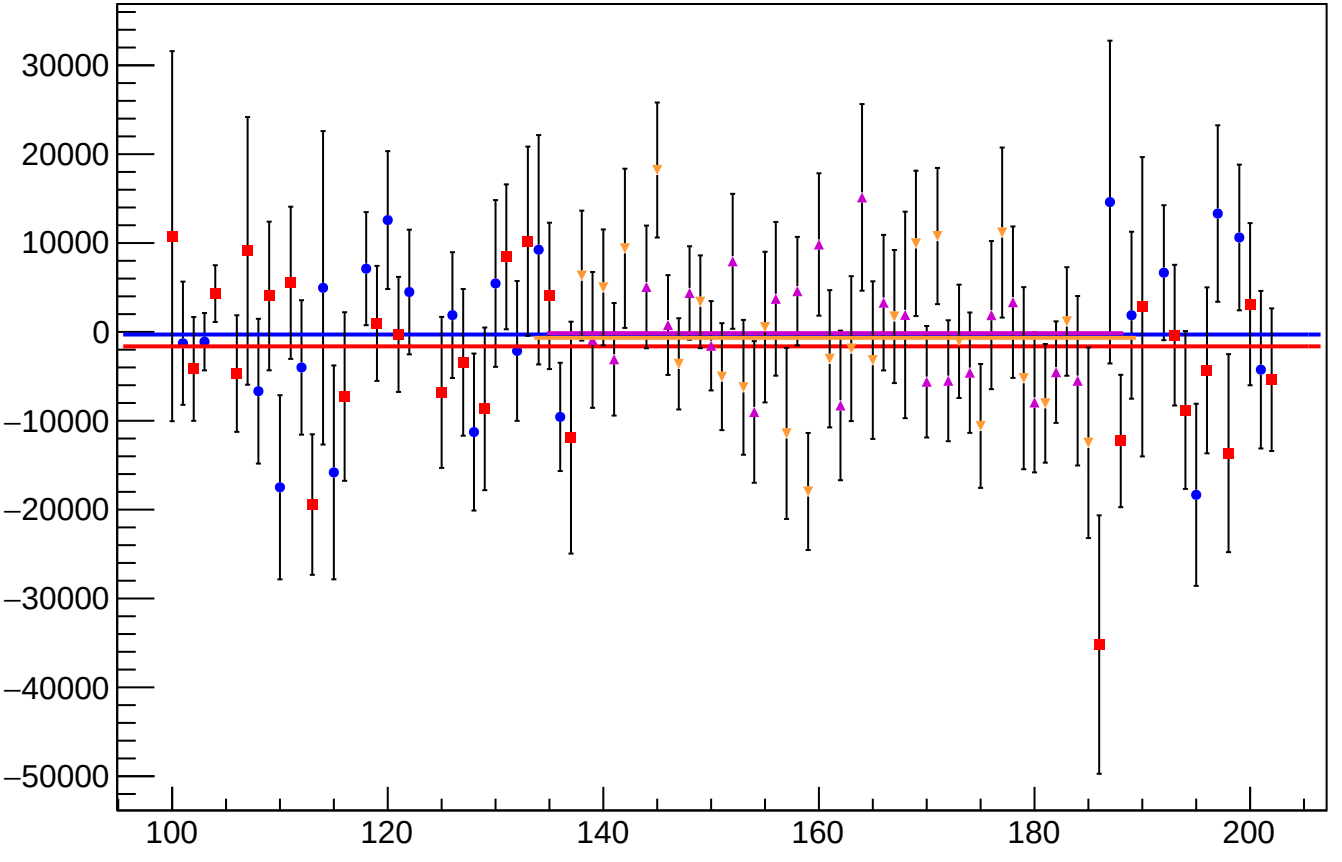
Right: 1842.872+/-0.255 χ^2/NDF: 409725.9/49

In: 1819.473+/-0.233 χ^2/NDF:322058.2/45

Out: 1820.345+/-0.226 χ^2/NDF:141270.9/50

All: 1819.923+/-0.162 χ^2/NDF: 463336.3/96

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -294.991+/-1576.067 χ^2/NDF: 23.5/22

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1627.800+/-1495.697 χ^2/NDF: 26.2/26

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

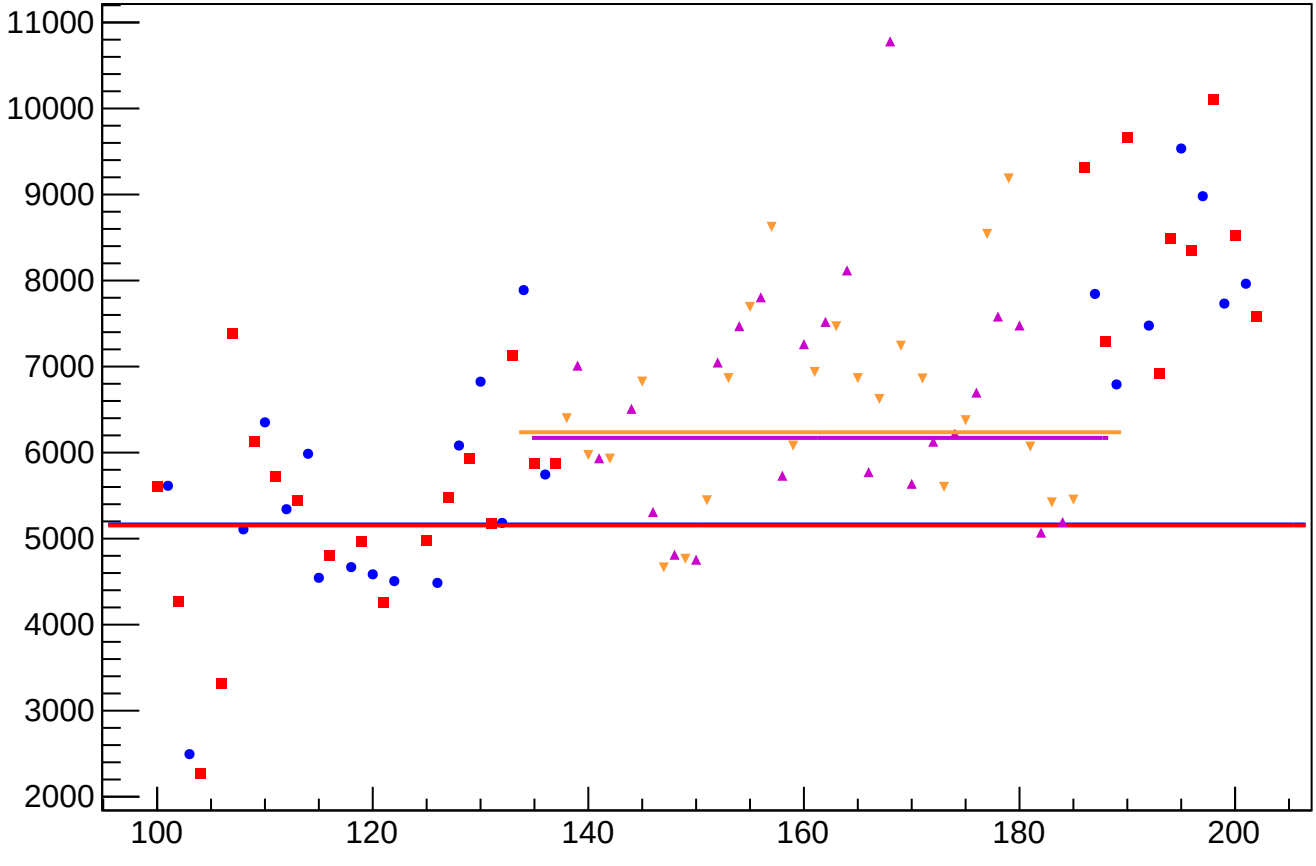
Right: -996.243+/-1084.918 χ^2/NDF: 50.1/49

In: -213.977+/-1075.526 χ^2/NDF:37.0/45

Out: -1142.065+/-1051.592 χ^2/NDF:56.2/50

All: -688.462+/-751.907 χ^2/NDF: 93.6/96

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5163.921+/-1.114 χ^2/NDF: 3007752.1/22

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5153.457+/-1.058 χ^2/NDF: 4006724.5/26

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

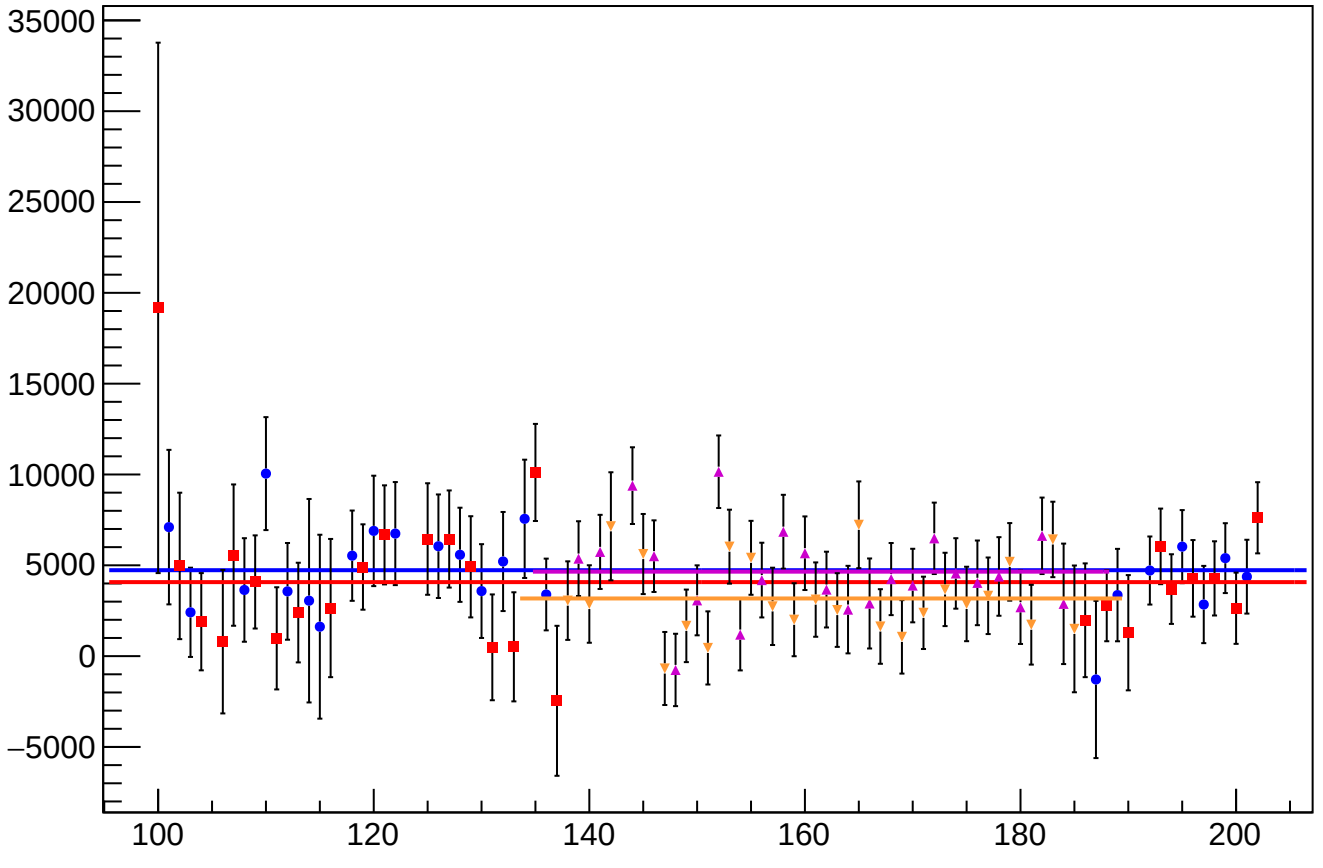
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5158.416+/-0.767 χ^2/NDF: 7014523.0/49

In: 5701.906+/-0.761 χ^2/NDF:4681453.1/45

Out: 5701.200+/-0.744 χ^2/NDF:5604808.8/50

All: 5701.545+/-0.532 χ^2/NDF: 10286262.4/9



Right In: 4730.865+/-539.593 χ^2/NDF: 11.4/22

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 4074.463+/-507.353 χ^2/NDF: 23.8/26

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

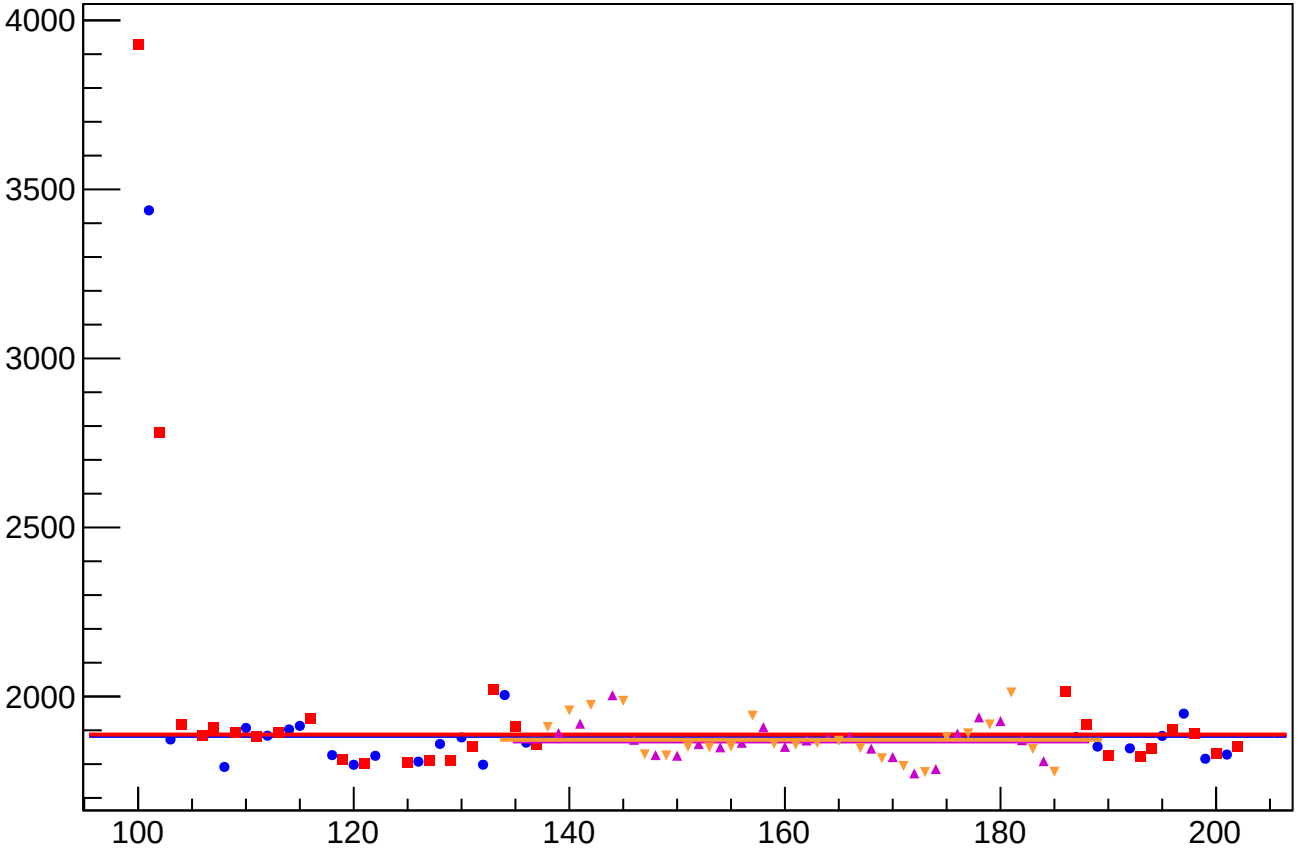
Right: 4382.470+/-369.625 χ^2/NDF: 36.0/49

In: 4682.238+/-339.222 χ^2/NDF:41.9/45

Out: 3555.630+/-330.155 χ^2/NDF:47.2/50

All: 4103.677+/-236.595 χ^2/NDF: 94.8/96

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1883.472+/-0.382 χ^2/NDF: 286477.3/22

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1887.463+/-0.359 χ^2/NDF: 160913.8/26

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

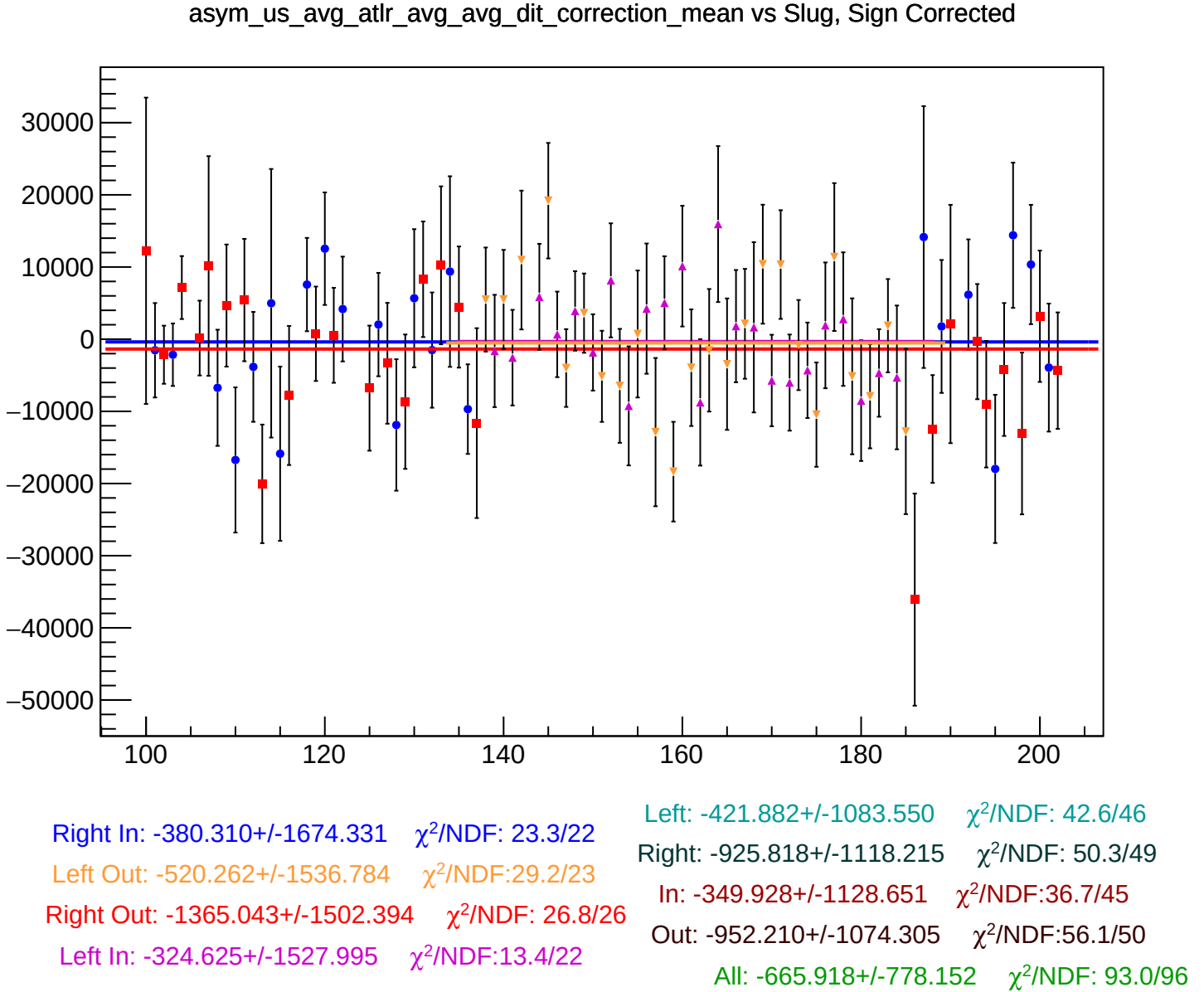
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

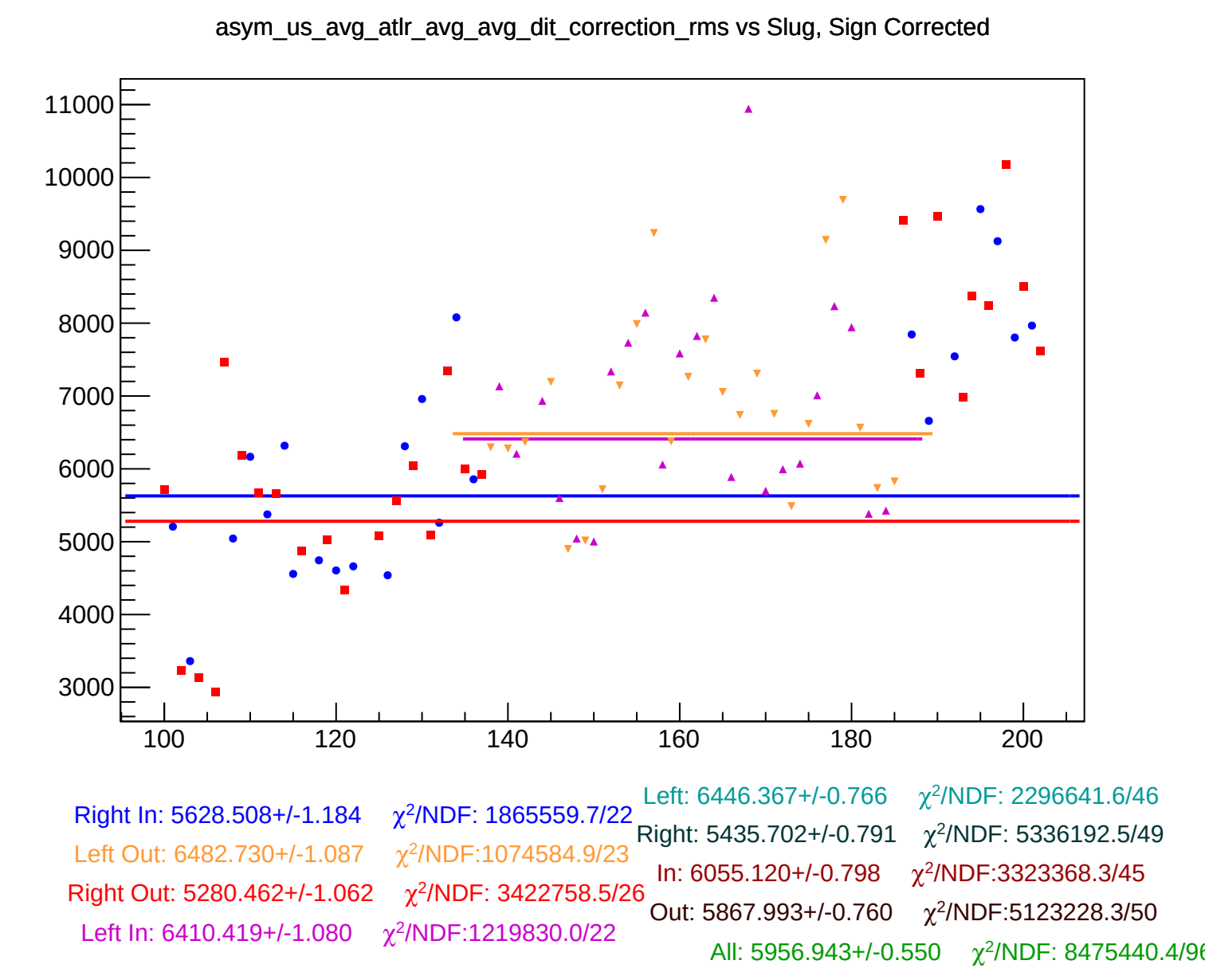
Right: 1885.591+/-0.261 χ^2/NDF: 447449.1/49

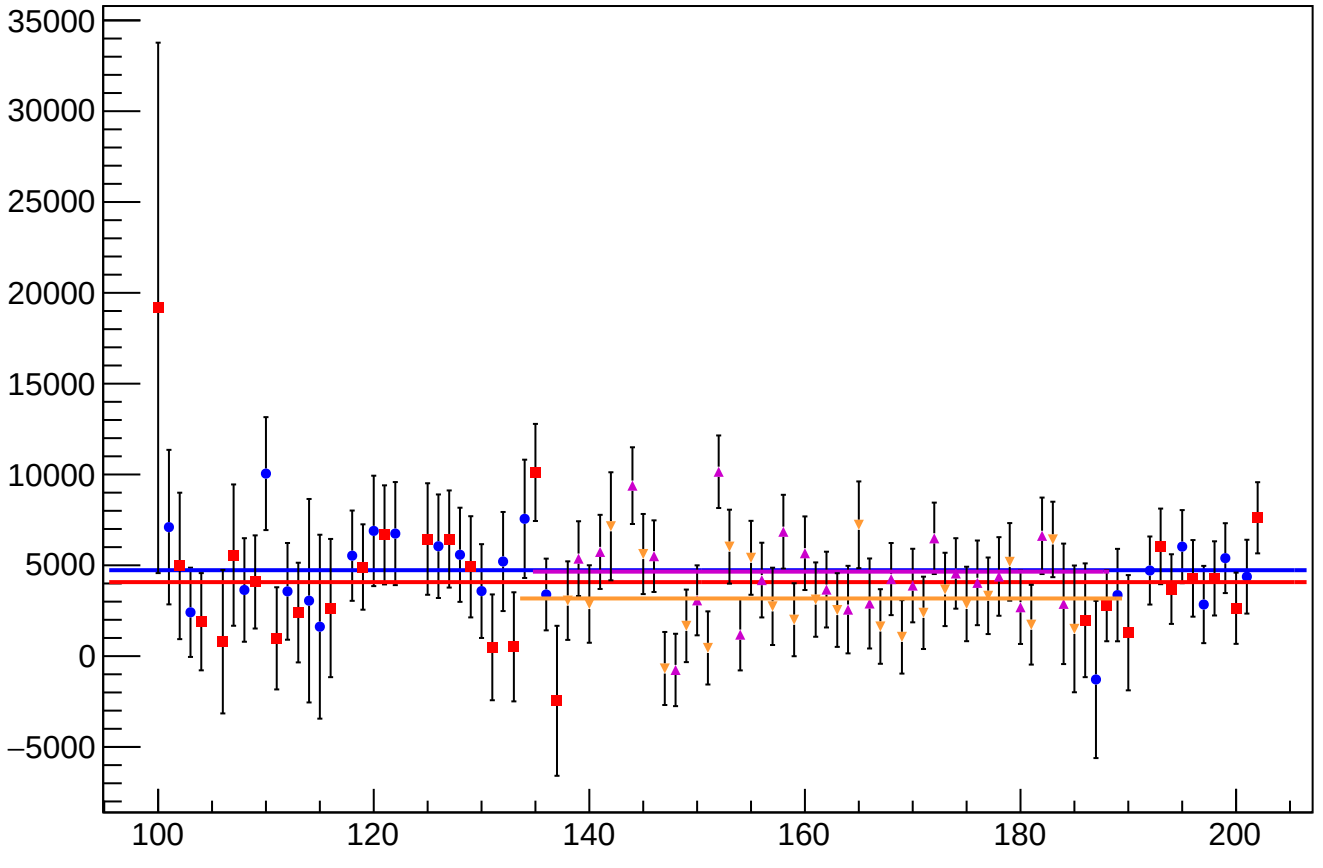
In: 1873.558+/-0.240 χ^2/NDF:314840.3/45

Out: 1878.540+/-0.233 χ^2/NDF:199143.2/50

All: 1876.117+/-0.167 χ^2/NDF: 514205.2/96


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -380.310+/-1674.331 χ²/NDF: 23.3/22
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -1365.043+/-1502.394 χ²/NDF: 26.8/26
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -925.818+/-1118.215 χ²/NDF: 50.3/49
In: -349.928+/-1128.651 χ²/NDF:36.7/45
Out: -952.210+/-1074.305 χ²/NDF:56.1/50
All: -665.918+/-778.152 χ²/NDF: 93.0/96


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 5628.508+/-1.184 χ²/NDF: 1865559.7/22
Left Out: 6482.730+/-1.087 χ²/NDF:1074584.9/23
Right Out: 5280.462+/-1.062 χ²/NDF: 3422758.5/26
Left In: 6410.419+/-1.080 χ²/NDF:1219830.0/22
Left: 6446.367+/-0.766 χ²/NDF: 2296641.6/46
Right: 5435.702+/-0.791 χ²/NDF: 5336192.5/49
In: 6055.120+/-0.798 χ²/NDF:3323368.3/45
Out: 5867.993+/-0.760 χ²/NDF:5123228.3/50
All: 5956.943+/-0.550 χ²/NDF: 8475440.4/96



Right In: 4730.862+/-539.593 χ^2/NDF: 11.4/22

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 4074.460+/-507.353 χ^2/NDF: 23.8/26

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

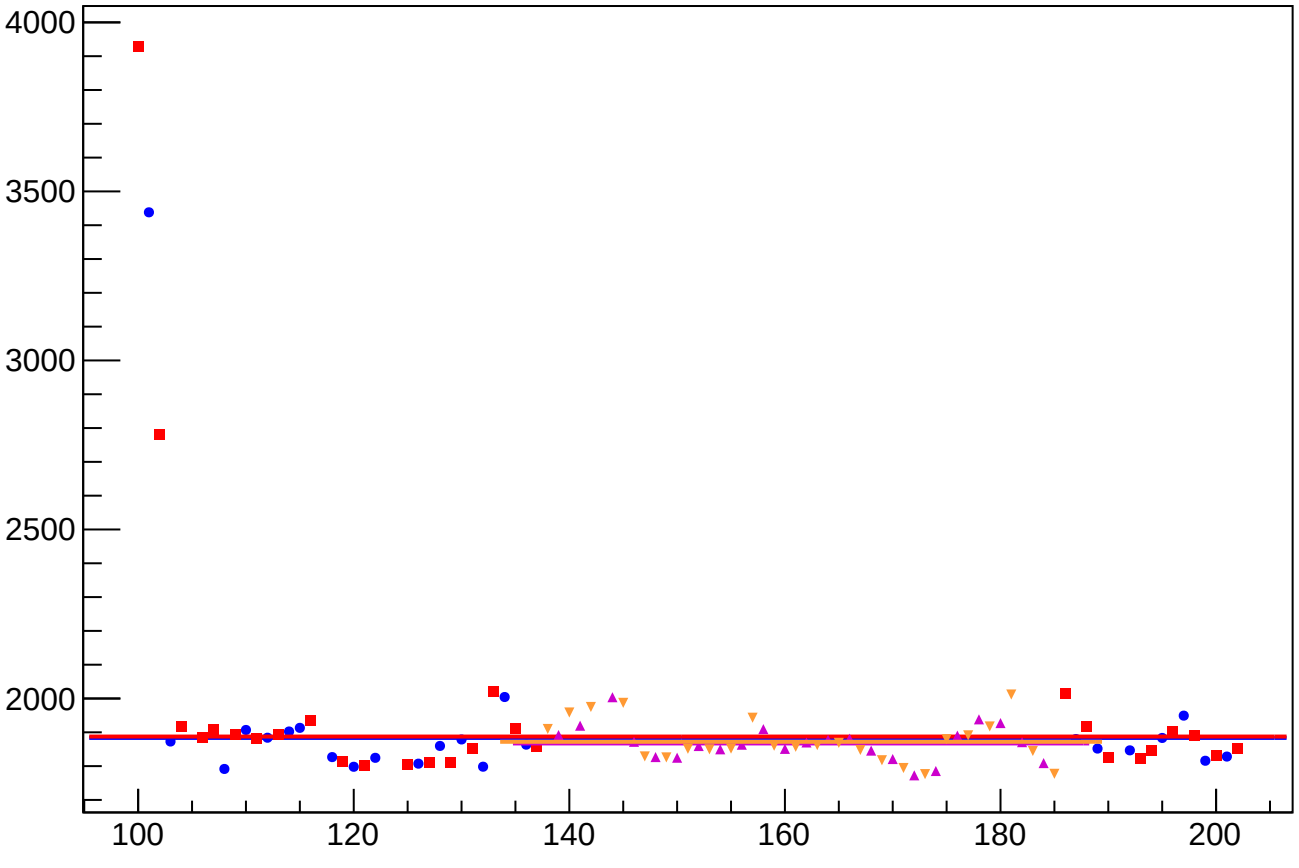
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4382.467+/-369.625 χ^2/NDF: 36.0/49

In: 4682.237+/-339.222 χ^2/NDF:41.9/45

Out: 3555.625+/-330.155 χ^2/NDF:47.2/50

All: 4103.674+/-236.595 χ^2/NDF: 94.8/96



Right In: 1883.471+/-0.382 χ^2/NDF: 286477.5/22

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1887.463+/-0.359 χ^2/NDF: 160912.8/26

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

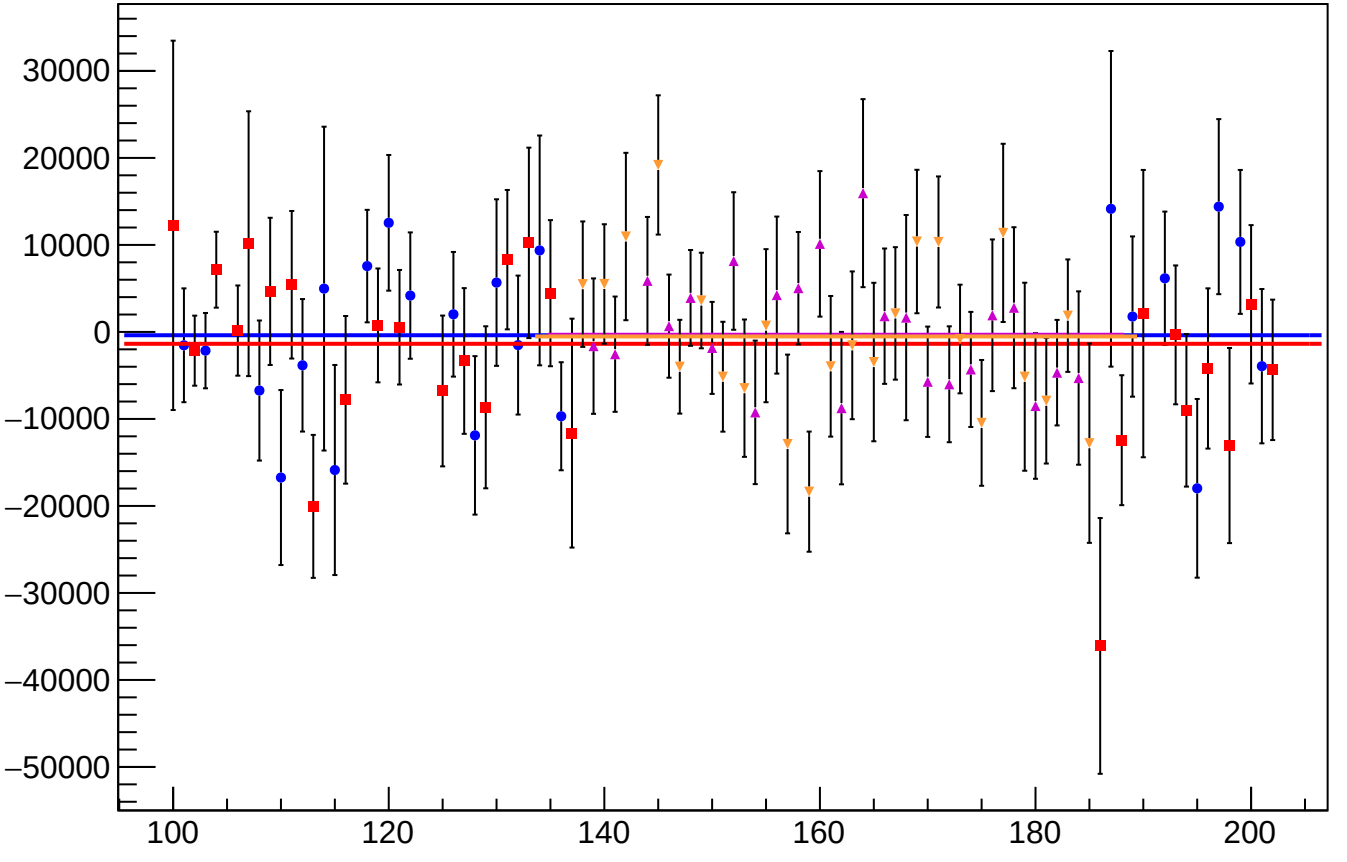
Right: 1885.591+/-0.261 χ^2/NDF: 447448.4/49

In: 1873.558+/-0.240 χ^2/NDF:314841.5/45

Out: 1878.541+/-0.233 χ^2/NDF:199143.0/50

All: 1876.118+/-0.167 χ^2/NDF: 514206.2/96

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -380.306+/-1674.328 χ^2/NDF: 23.3/22

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -1365.035+/-1502.392 χ^2/NDF: 26.8/26

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

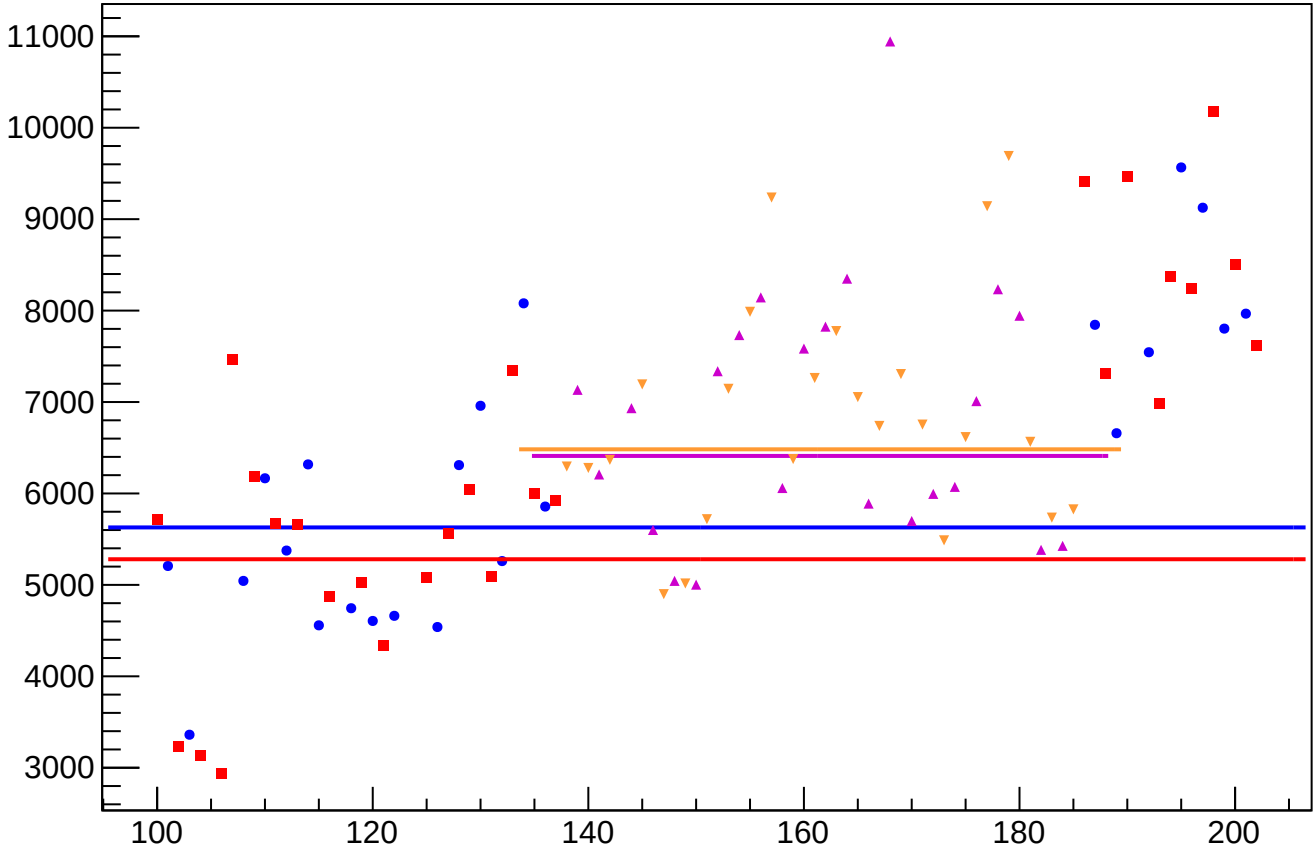
Right: -925.812+/-1118.213 χ^2/NDF: 50.3/49

In: -349.927+/-1128.651 χ^2/NDF:36.7/45

Out: -952.211+/-1074.305 χ^2/NDF:56.1/50

All: -665.918+/-778.152 χ^2/NDF: 93.0/96

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5628.496+/-1.184 χ^2/NDF: 1865579.4/22

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5280.451+/-1.062 χ^2/NDF: 3422780.0/26

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

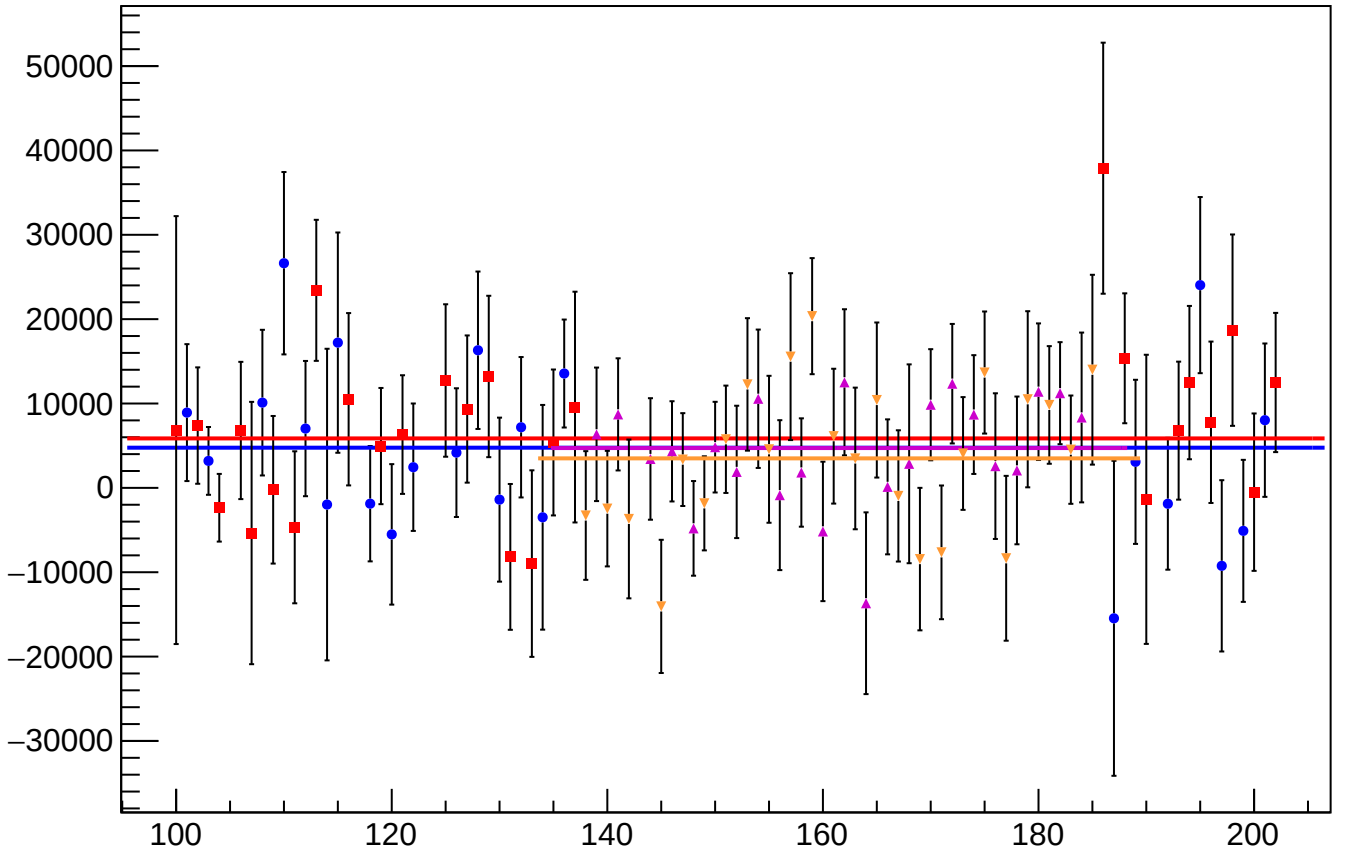
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5435.691+/-0.791 χ^2/NDF: 5336233.9/49

In: 6055.119+/-0.798 χ^2/NDF:3323404.4/45

Out: 5867.991+/-0.760 χ^2/NDF:5123275.1/50

All: 5956.941+/-0.550 χ^2/NDF: 8475523.9/96



Right In: 4763.251+/-1726.661 χ^2/NDF: 21.6/22

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5863.261+/-1648.858 χ^2/NDF: 26.4/26

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

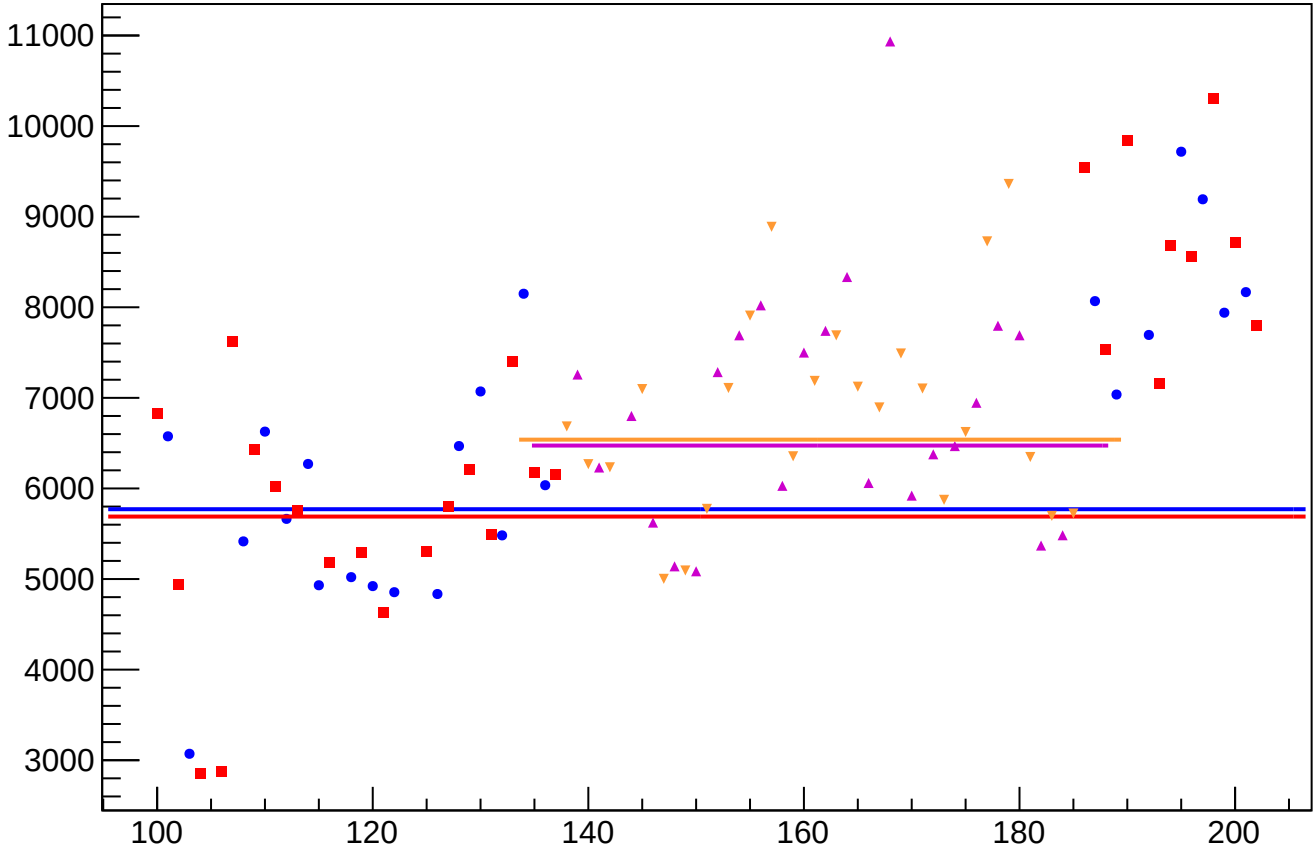
Right: 5338.596+/-1192.475 χ^2/NDF: 48.2/49

In: 4738.891+/-1148.951 χ^2/NDF:35.9/45

Out: 4603.991+/-1127.735 χ^2/NDF:55.0/50

All: 4670.184+/-804.825 χ^2/NDF: 90.9/96

asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 5770.880+/-1.221 χ^2/NDF: 2139211.3/22

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5689.662+/-1.148 χ^2/NDF: 3116743.0/26

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

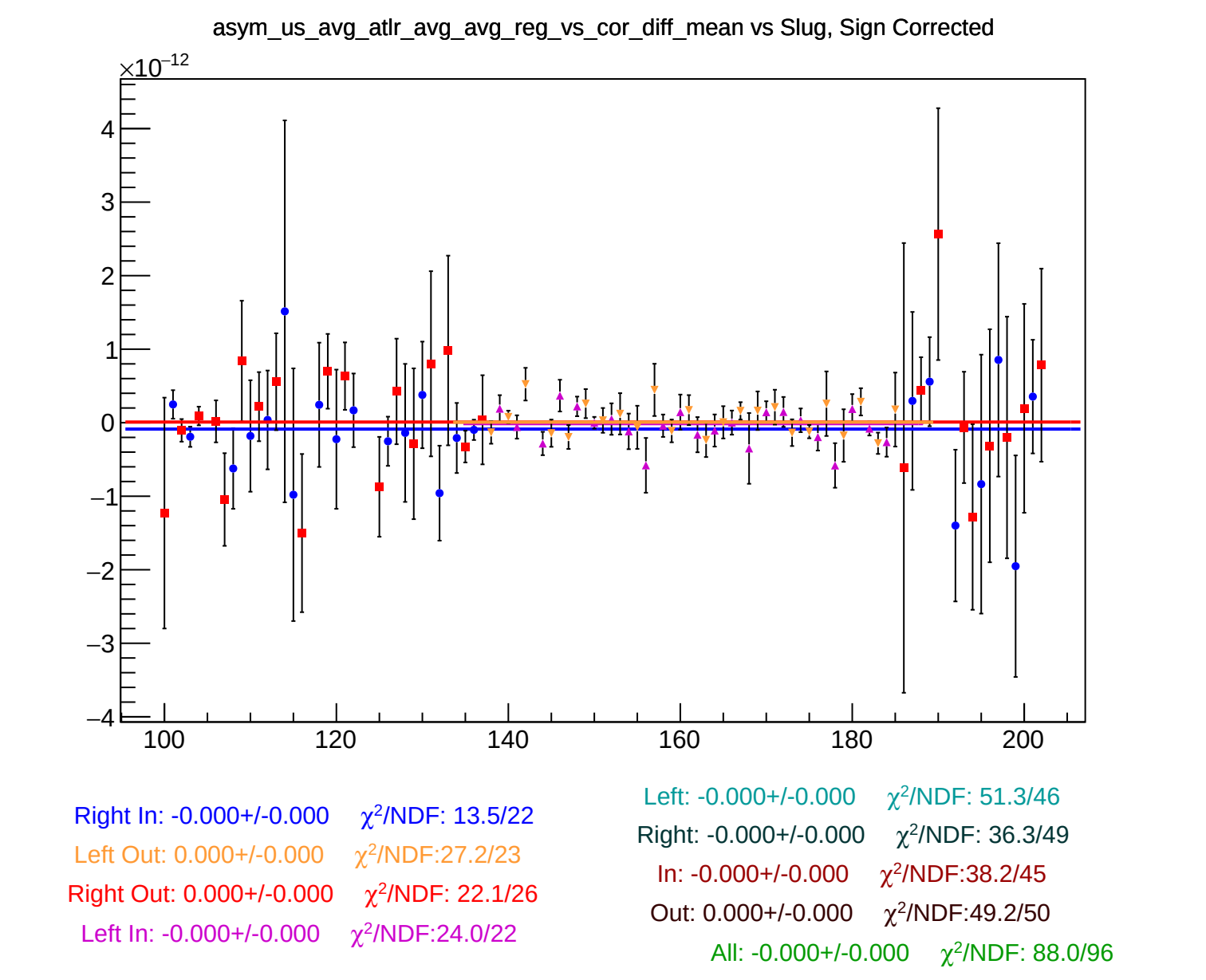
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

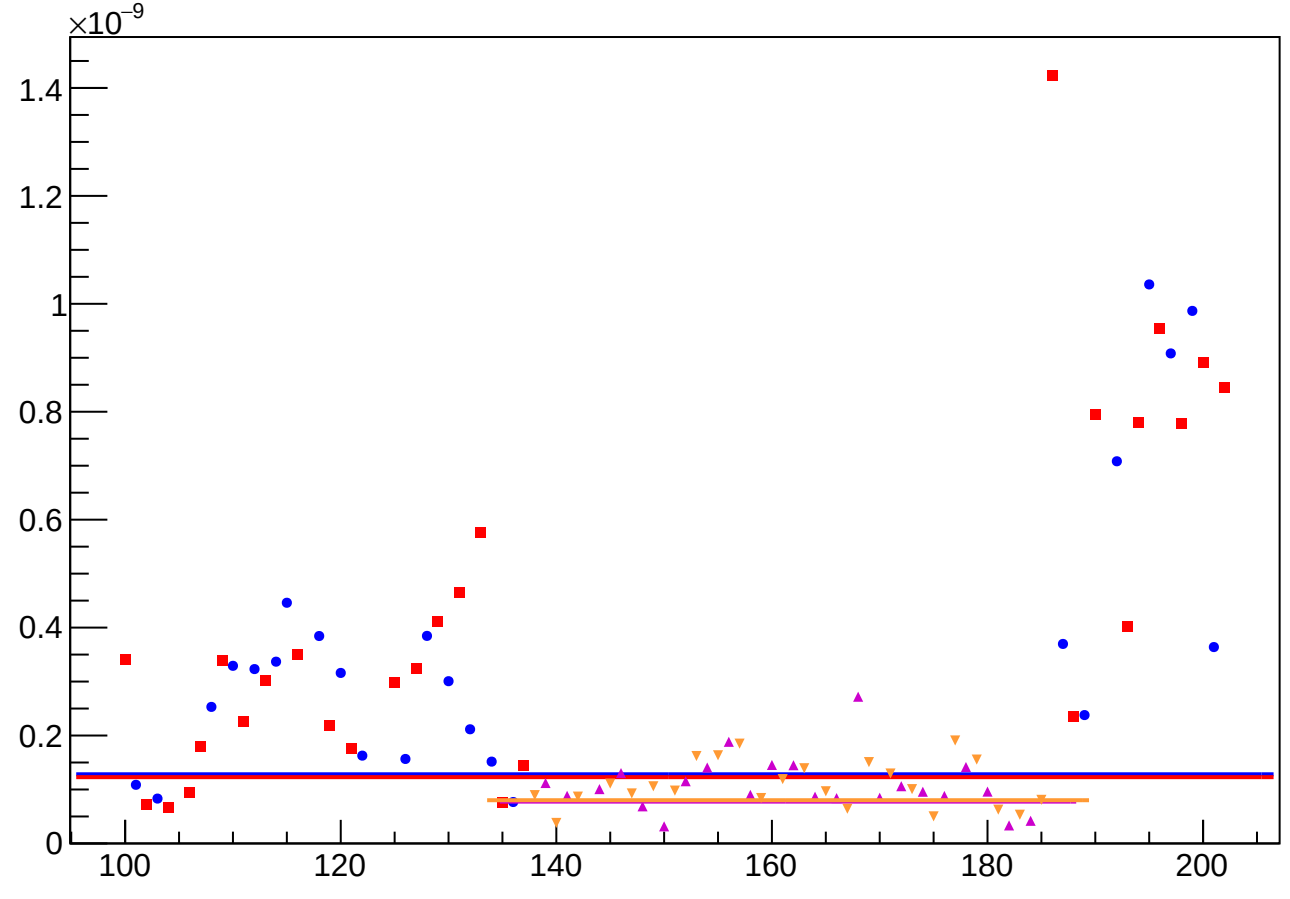
Right: 5727.790+/-0.837 χ^2/NDF: 5258302.1/49

In: 6162.378+/-0.812 χ^2/NDF:3395498.1/45

Out: 6135.156+/-0.792 χ^2/NDF:4324122.8/50

All: 6148.416+/-0.567 χ^2/NDF: 7720196.7/96


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 13.5/22
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.1/26
Left In: -0.000+/-0.000 χ²/NDF:24.0/22
Left: -0.000+/-0.000 χ²/NDF: 51.3/46
Right: -0.000+/-0.000 χ²/NDF: 36.3/49
In: -0.000+/-0.000 χ²/NDF:38.2/45
Out: 0.000+/-0.000 χ²/NDF:49.2/50
All: -0.000+/-0.000 χ²/NDF: 88.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 4221495.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5874234.2/26

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

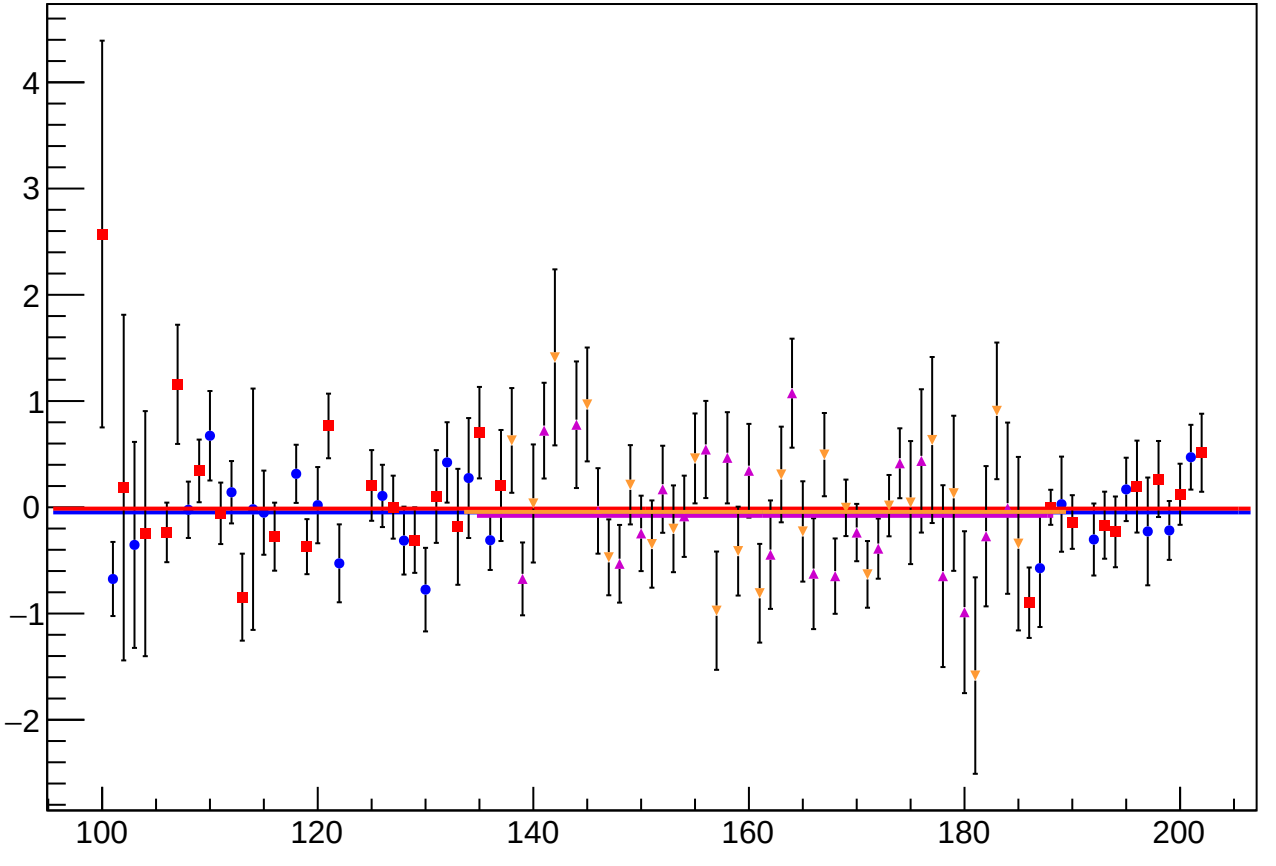
Right: 0.000+/-0.000 χ^2/NDF: 10100719.9/49

In: 0.000+/-0.000 χ^2/NDF:7598146.2/45

Out: 0.000+/-0.000 χ^2/NDF:8559669.8/50

All: 0.000+/-0.000 χ^2/NDF: 16160490.5/96

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

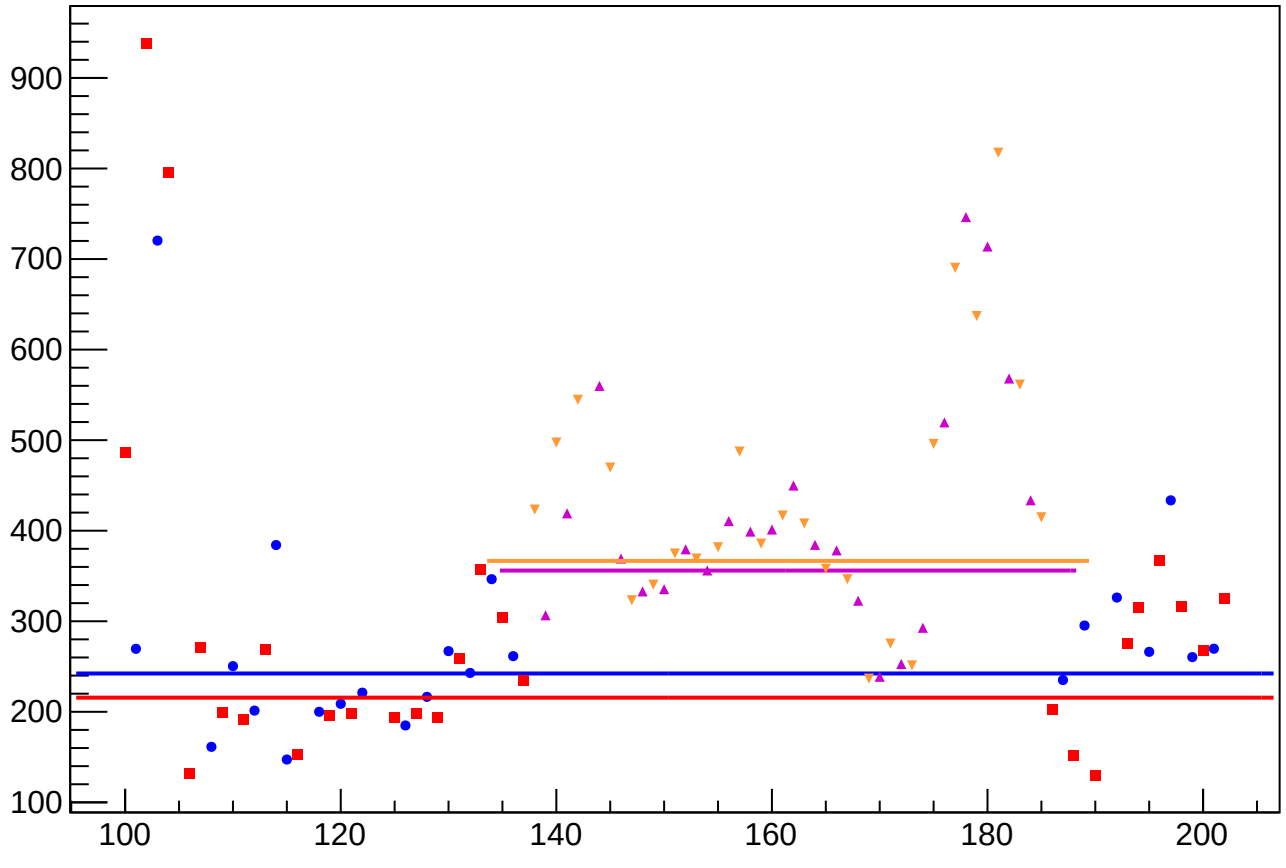
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.028+/-0.048 χ^2/NDF: 60.3/49

In: -0.061+/-0.057 χ^2/NDF:53.2/45

Out: -0.023+/-0.052 χ^2/NDF:68.5/50

All: -0.041+/-0.038 χ^2/NDF: 121.9/96



Right In: 242.319+/-0.052 χ^2/NDF: 1590547.0/22

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 215.615+/-0.045 χ^2/NDF: 2987300.3/26

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

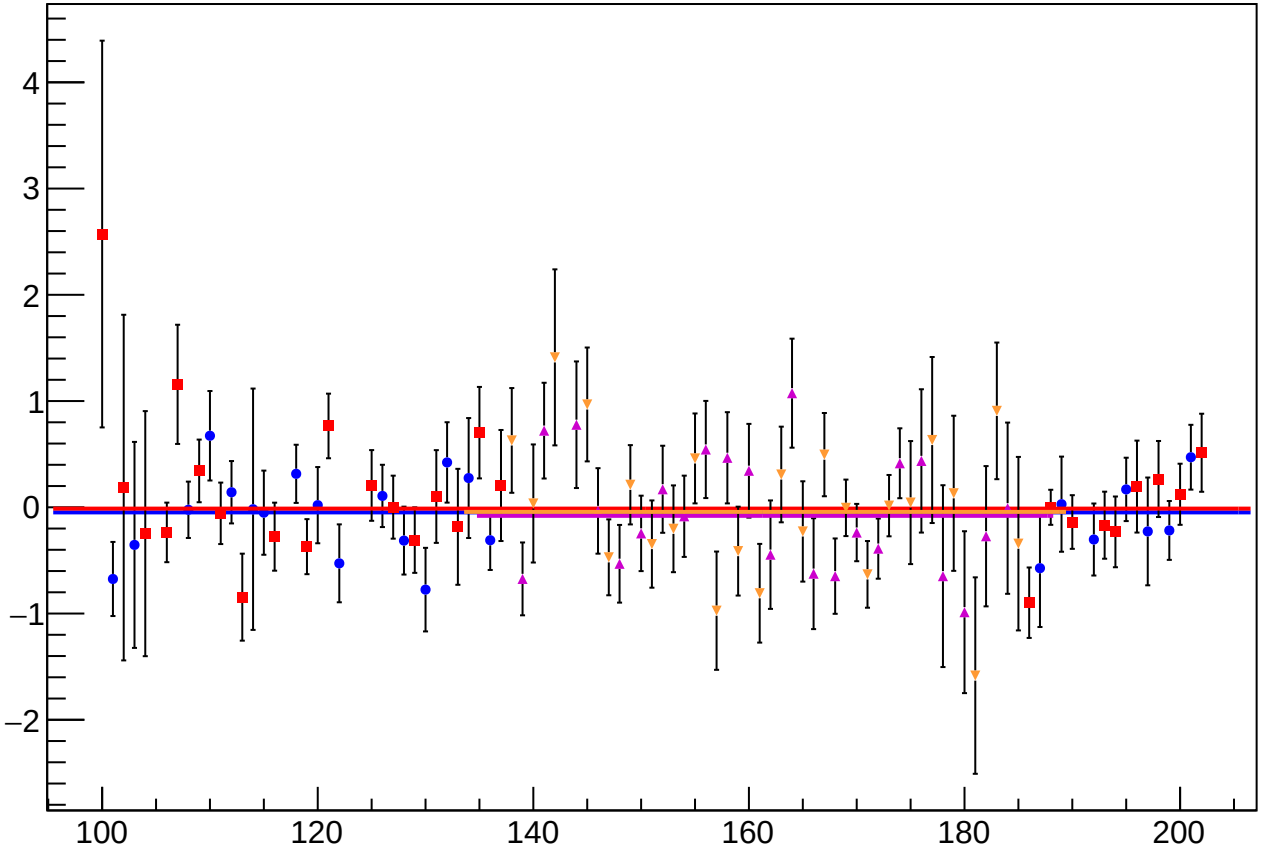
Right: 227.061+/-0.034 χ^2/NDF: 4727040.5/49

In: 289.479+/-0.040 χ^2/NDF:5974258.6/45

Out: 266.018+/-0.037 χ^2/NDF:9544701.0/50

All: 276.827+/-0.027 χ^2/NDF: 15704730.1/96

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

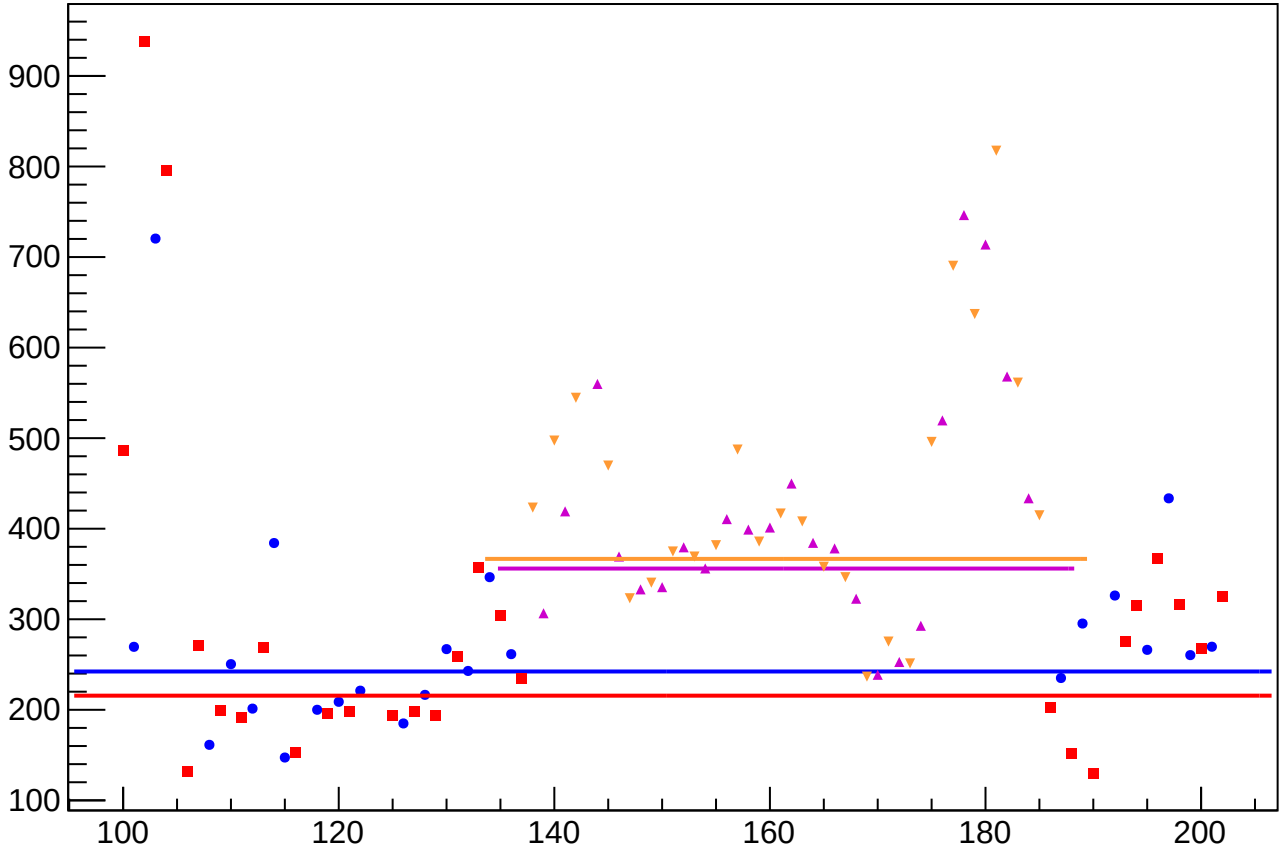
Right: -0.028+/-0.048 χ^2/NDF: 60.3/49

In: -0.061+/-0.057 χ^2/NDF:53.2/45

Out: -0.023+/-0.052 χ^2/NDF:68.5/50

All: -0.041+/-0.038 χ^2/NDF: 121.9/96

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 242.319+/-0.052 χ^2/NDF: 1590547.0/22

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 215.615+/-0.045 χ^2/NDF: 2987300.3/26

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

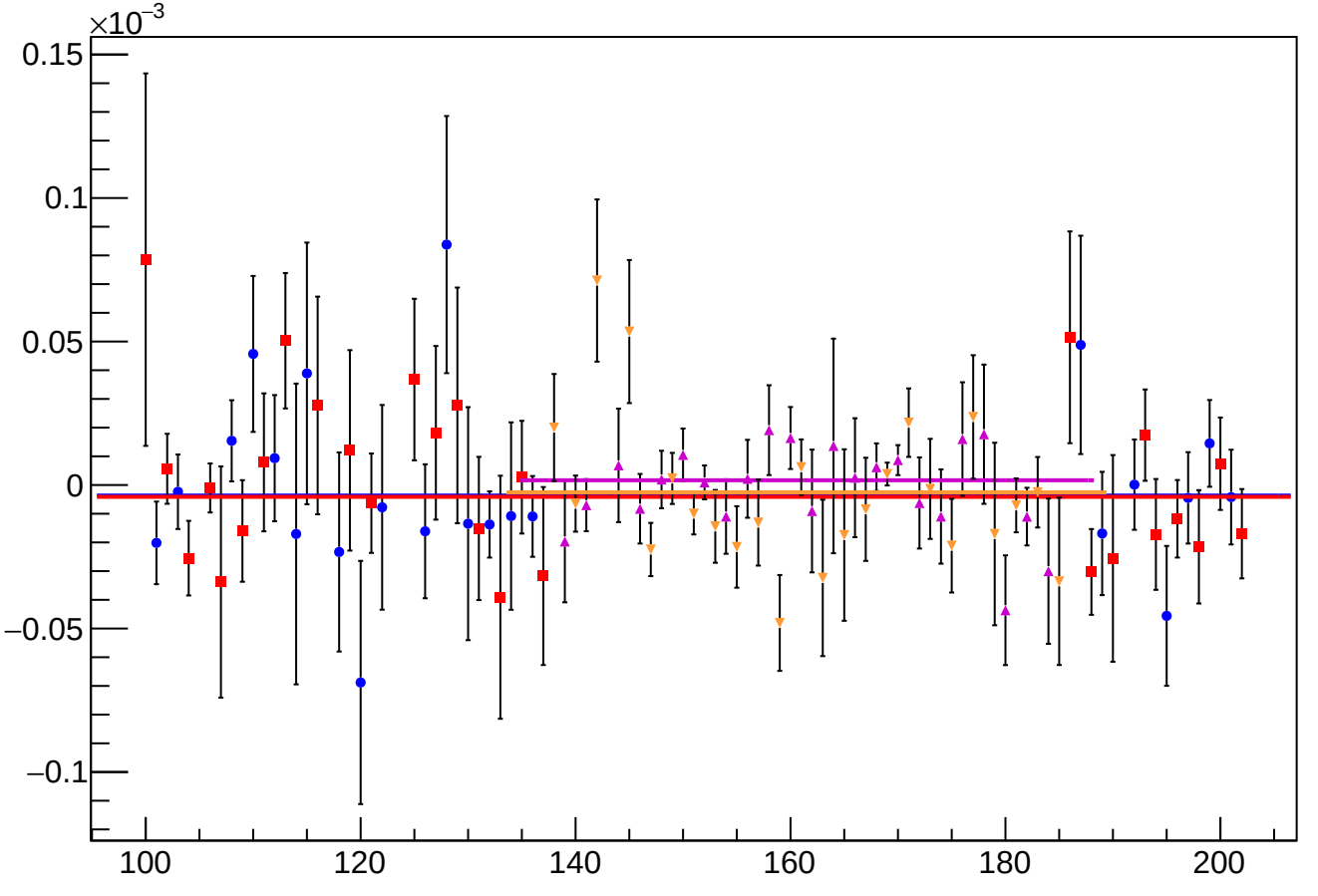
Right: 227.061+/-0.034 χ^2/NDF: 4727040.5/49

In: 289.479+/-0.040 χ^2/NDF:5974258.6/45

Out: 266.018+/-0.037 χ^2/NDF:9544701.0/50

All: 276.827+/-0.027 χ^2/NDF: 15704730.1/96

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: 22.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

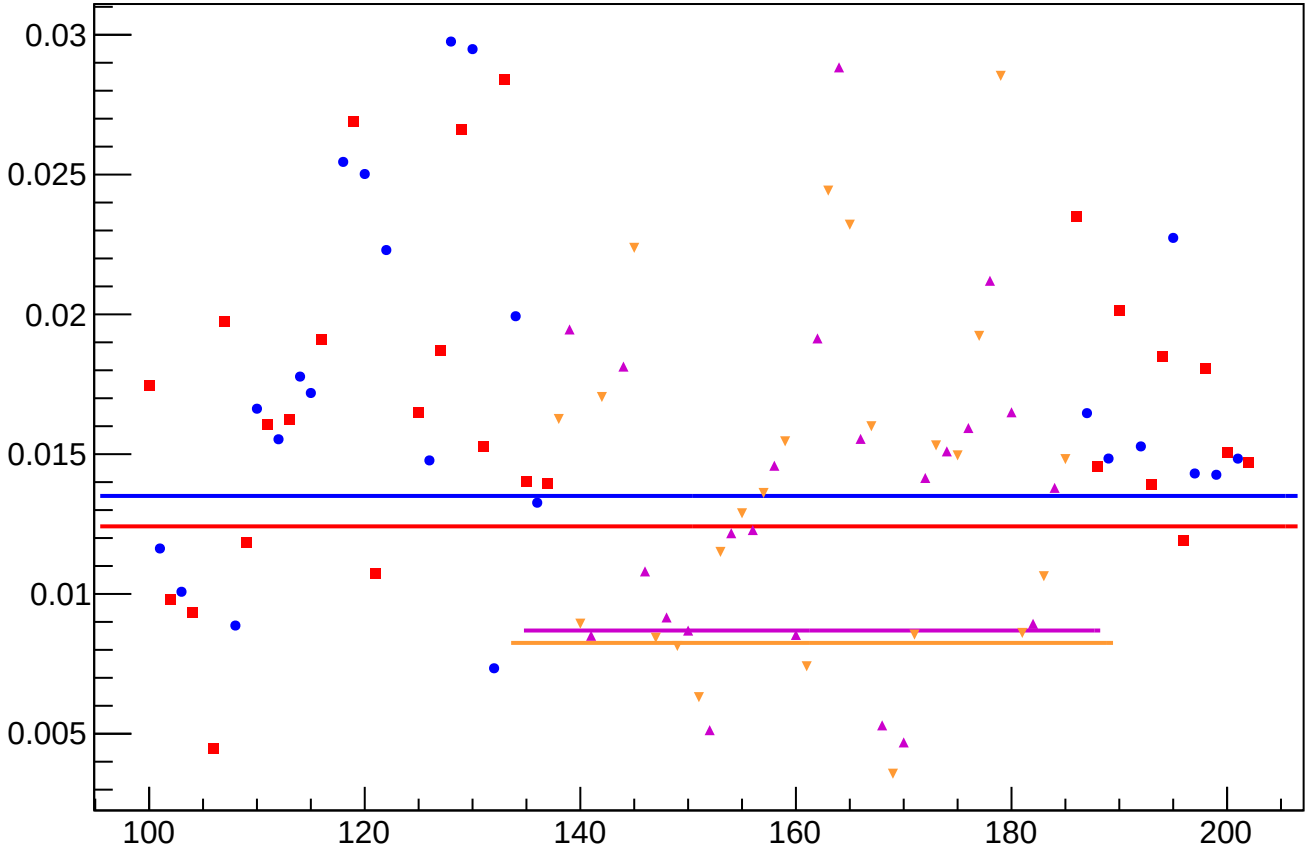
Right: -0.000+/-0.000 χ^2/NDF: 50.3/49

In: 0.000+/-0.000 χ^2/NDF:44.4/45

Out: -0.000+/-0.000 χ^2/NDF:71.5/50

All: -0.000+/-0.000 χ^2/NDF: 117.4/96

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 2549196.7/22

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 4031069.9/26

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

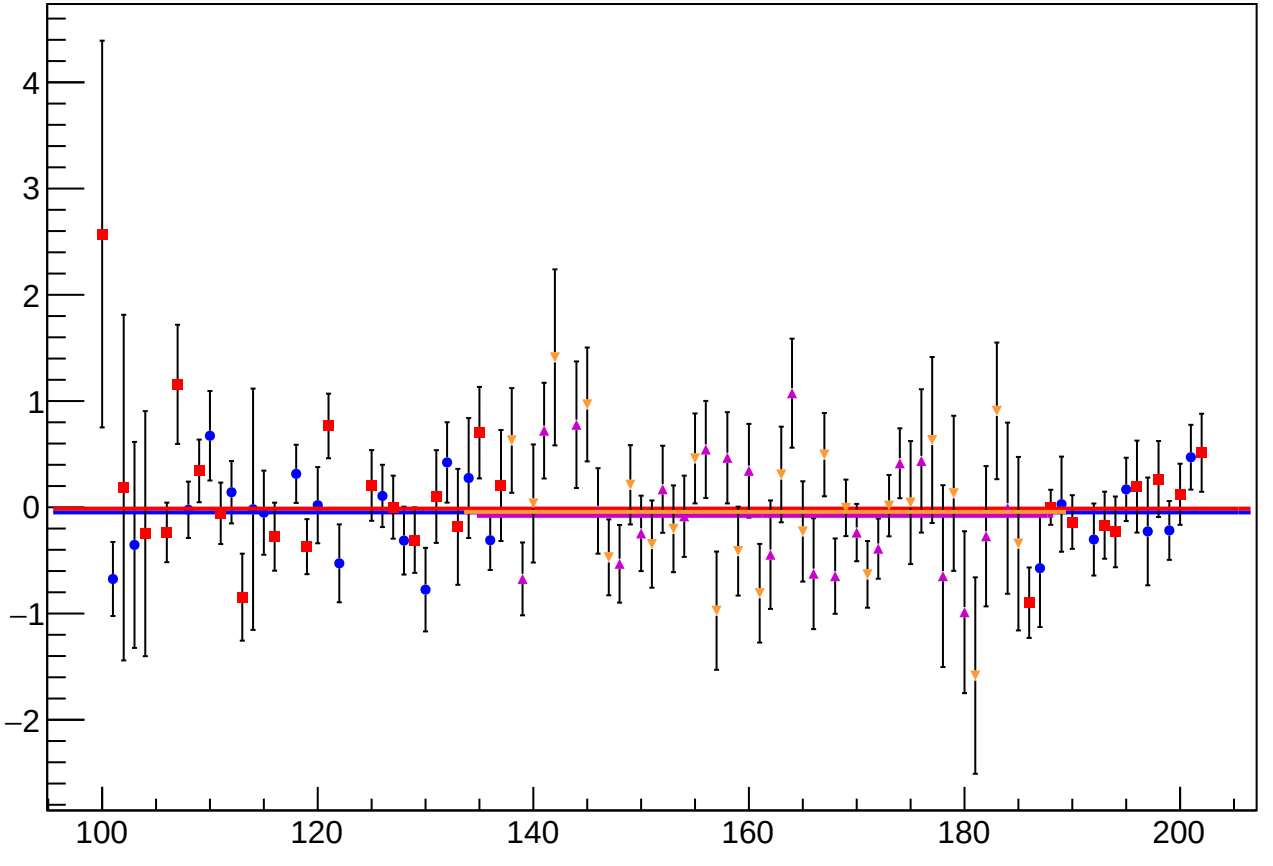
Right: 0.013+/-0.000 χ^2/NDF: 6659227.9/49

In: 0.010+/-0.000 χ^2/NDF:11492186.2/45

Out: 0.009+/-0.000 χ^2/NDF:14813677.8/50

All: 0.010+/-0.000 χ^2/NDF: 26359411.3/96

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

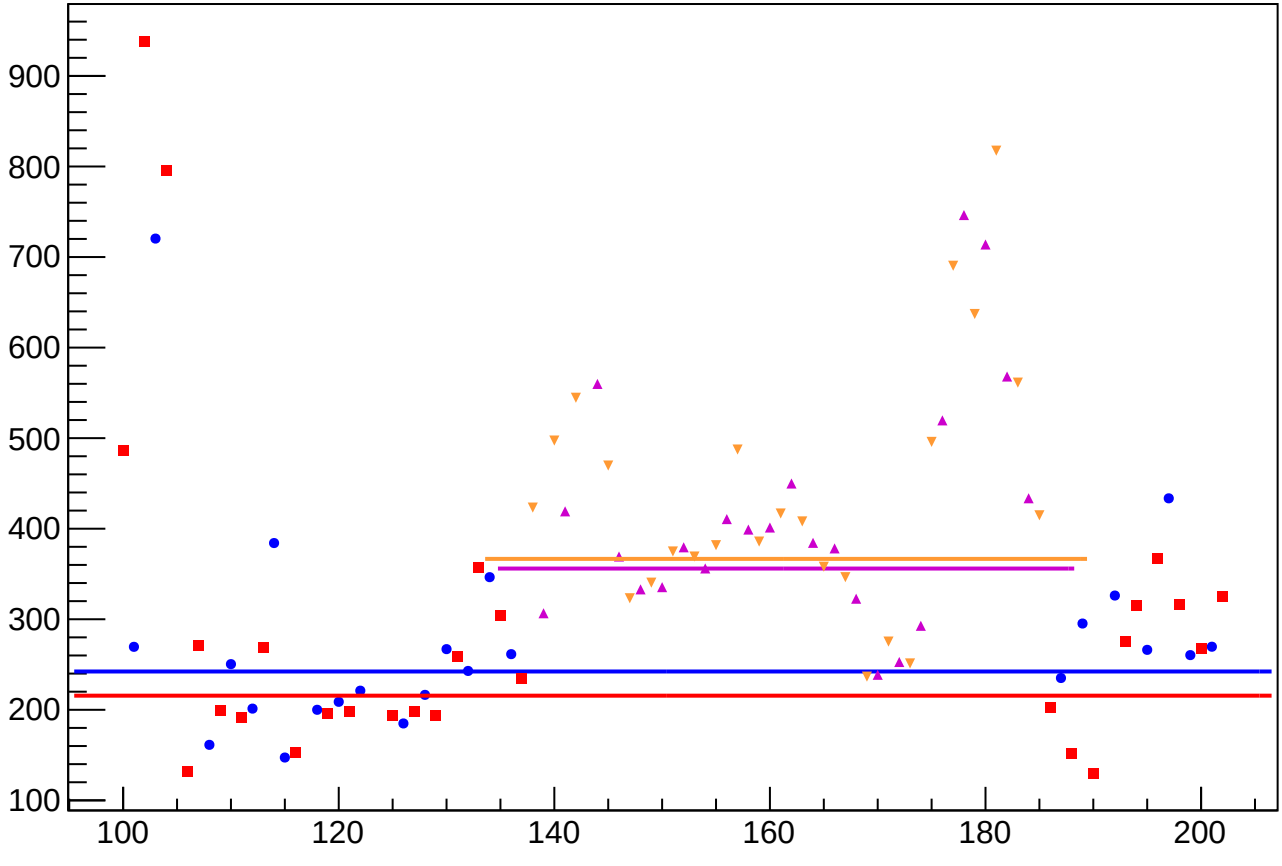
Right: -0.028+/-0.048 χ^2/NDF: 60.3/49

In: -0.061+/-0.057 χ^2/NDF:53.2/45

Out: -0.023+/-0.052 χ^2/NDF:68.5/50

All: -0.041+/-0.038 χ^2/NDF: 121.9/96

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 242.317+/-0.052 χ^2/NDF: 1590542.2/22

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 215.612+/-0.045 χ^2/NDF: 2987352.3/26

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

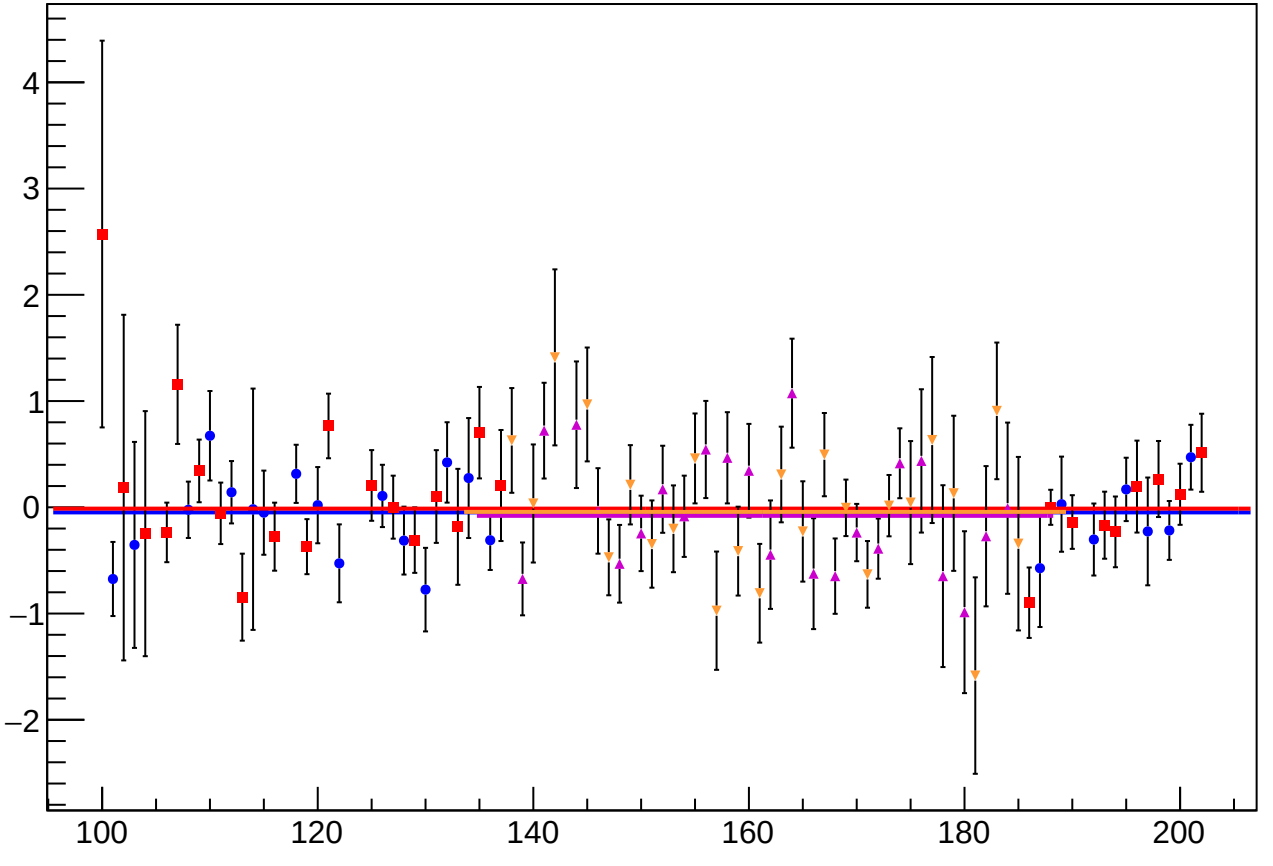
Right: 227.059+/-0.034 χ^2/NDF: 4727110.1/49

In: 289.478+/-0.040 χ^2/NDF:5974508.3/45

Out: 266.015+/-0.037 χ^2/NDF:9545154.0/50

All: 276.825+/-0.027 χ^2/NDF: 15705469.2/96

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

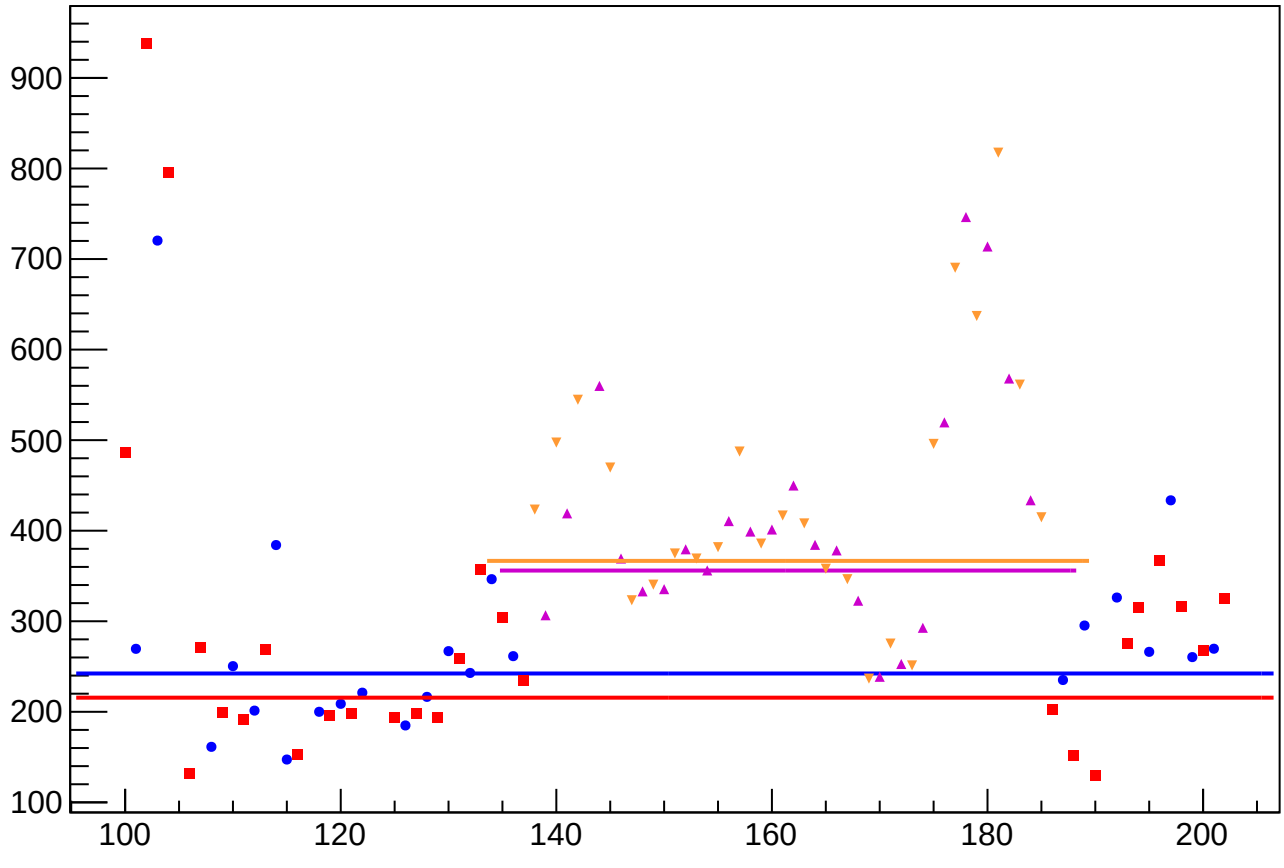
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.028+/-0.048 χ^2/NDF: 60.3/49

In: -0.061+/-0.057 χ^2/NDF:53.2/45

Out: -0.023+/-0.052 χ^2/NDF:68.5/50

All: -0.041+/-0.038 χ^2/NDF: 121.9/96



Right In: 242.317+/-0.052 χ^2/NDF: 1590542.2/22

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 215.612+/-0.045 χ^2/NDF: 2987352.3/26

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

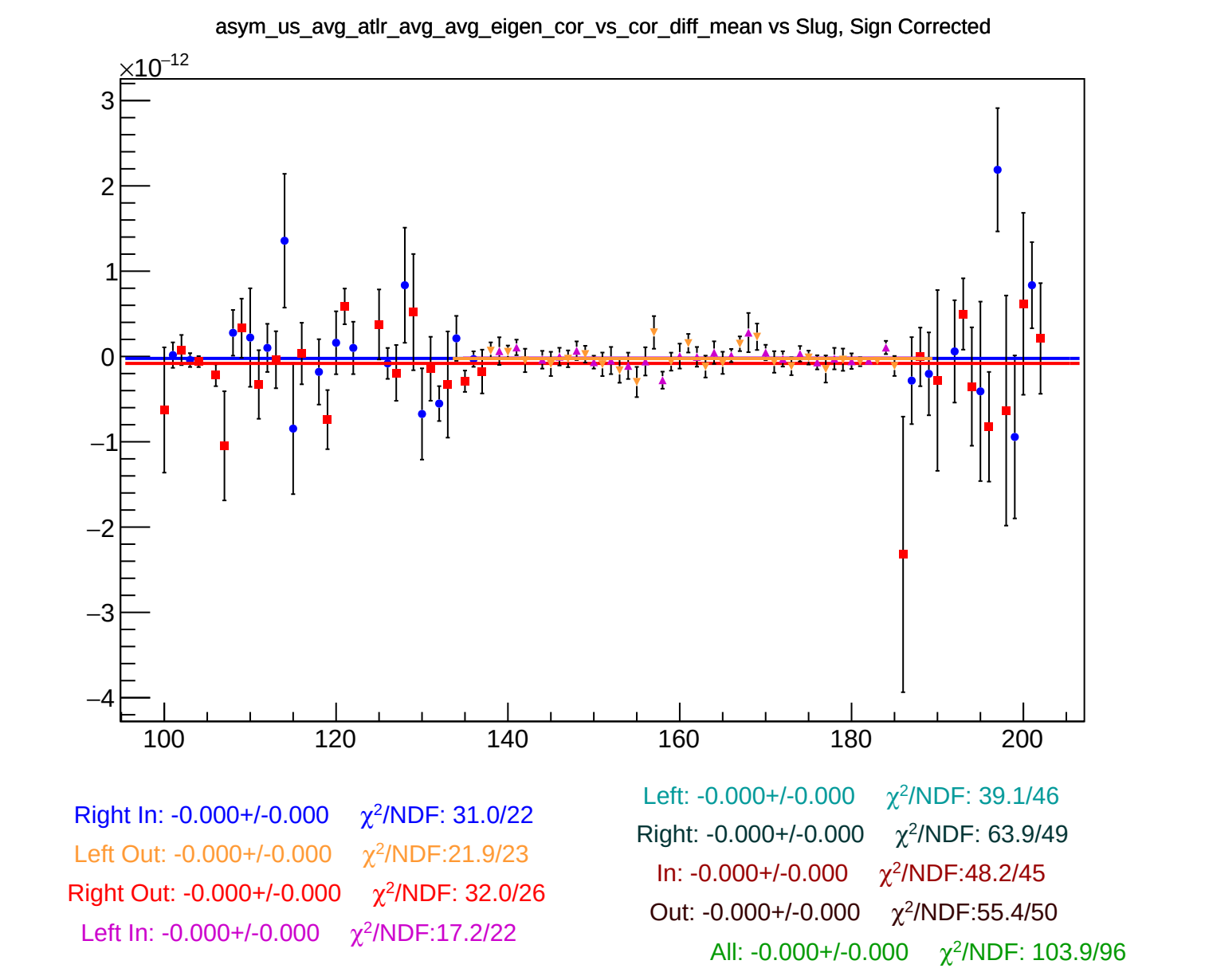
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

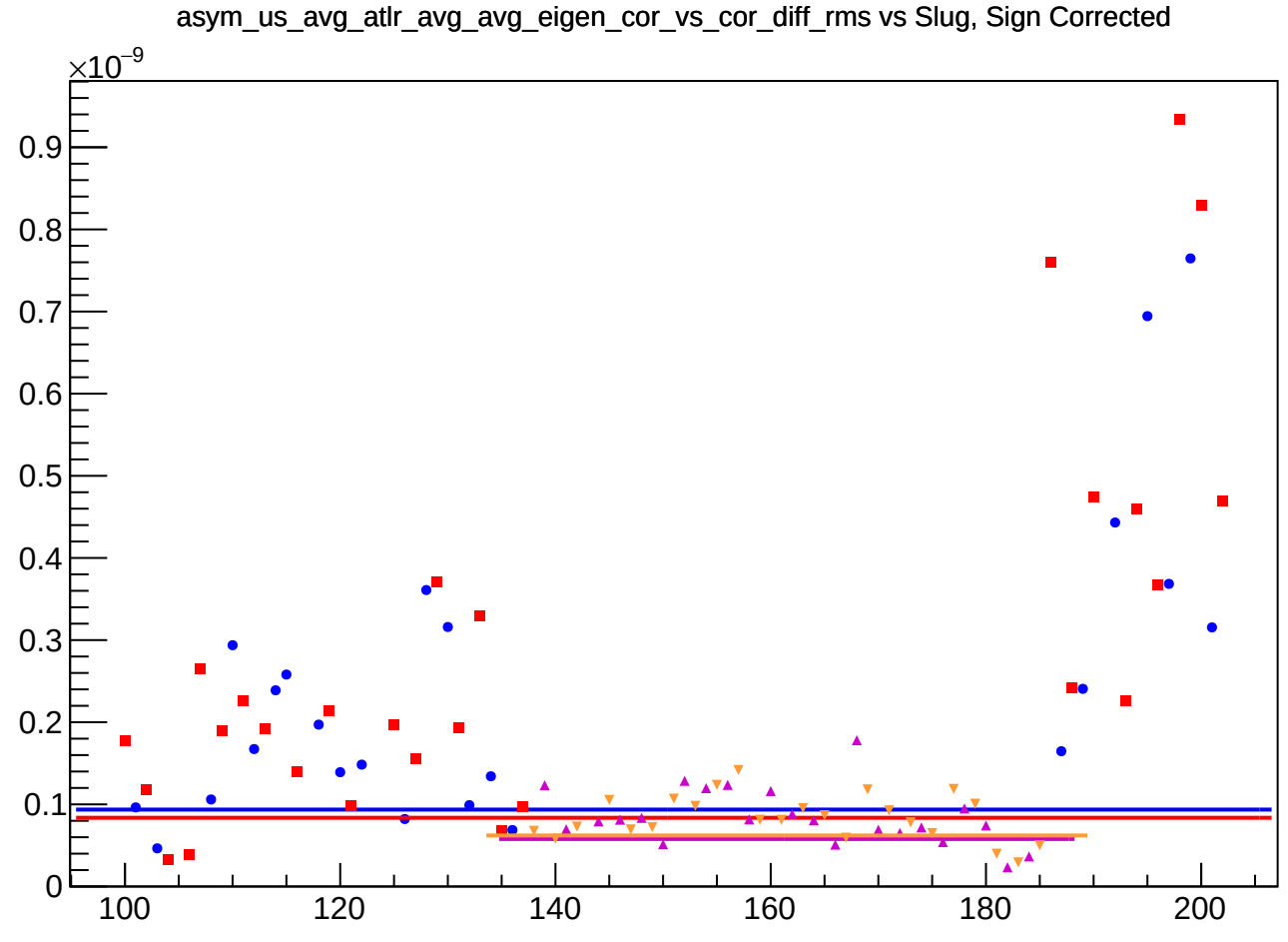
Right: 227.059+/-0.034 χ^2/NDF: 4727110.1/49

In: 289.478+/-0.040 χ^2/NDF:5974508.3/45

Out: 266.015+/-0.037 χ^2/NDF:9545154.0/50

All: 276.825+/-0.027 χ^2/NDF: 15705469.2/96


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.0/22
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.0/26
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 63.9/49
In: -0.000+/-0.000 χ²/NDF:48.2/45
Out: -0.000+/-0.000 χ²/NDF:55.4/50
All: -0.000+/-0.000 χ²/NDF: 103.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 5541453.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8627581.7/26

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

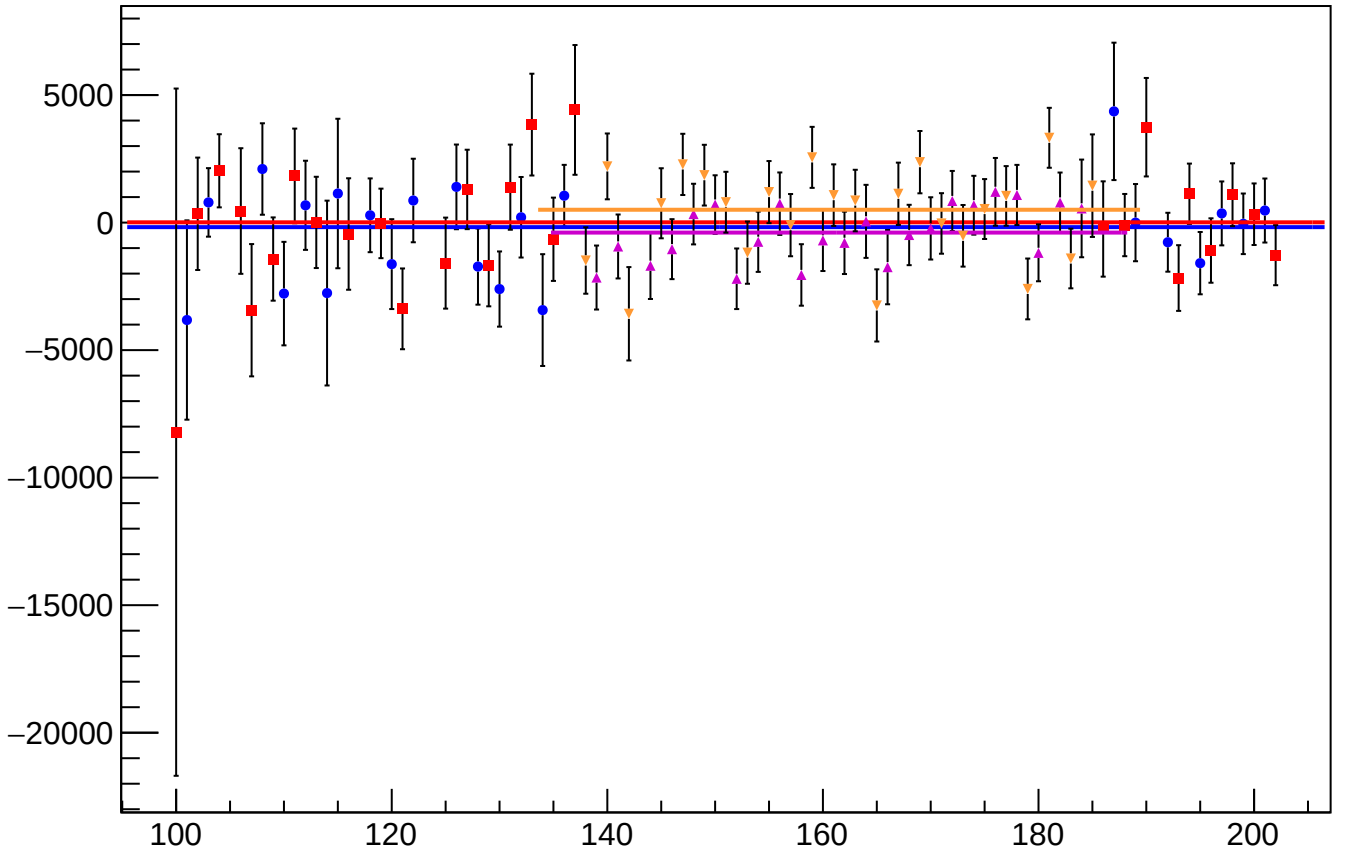
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 14218913.2/49

In: 0.000+/-0.000 χ^2/NDF:12092564.8/45

Out: 0.000+/-0.000 χ^2/NDF:13141476.1/50

All: 0.000+/-0.000 χ^2/NDF: 25262011.7/96



Right In: -178.392+/-326.072 χ^2/NDF: 19.7/22

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 10.559+/-306.789 χ^2/NDF: 31.0/26

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

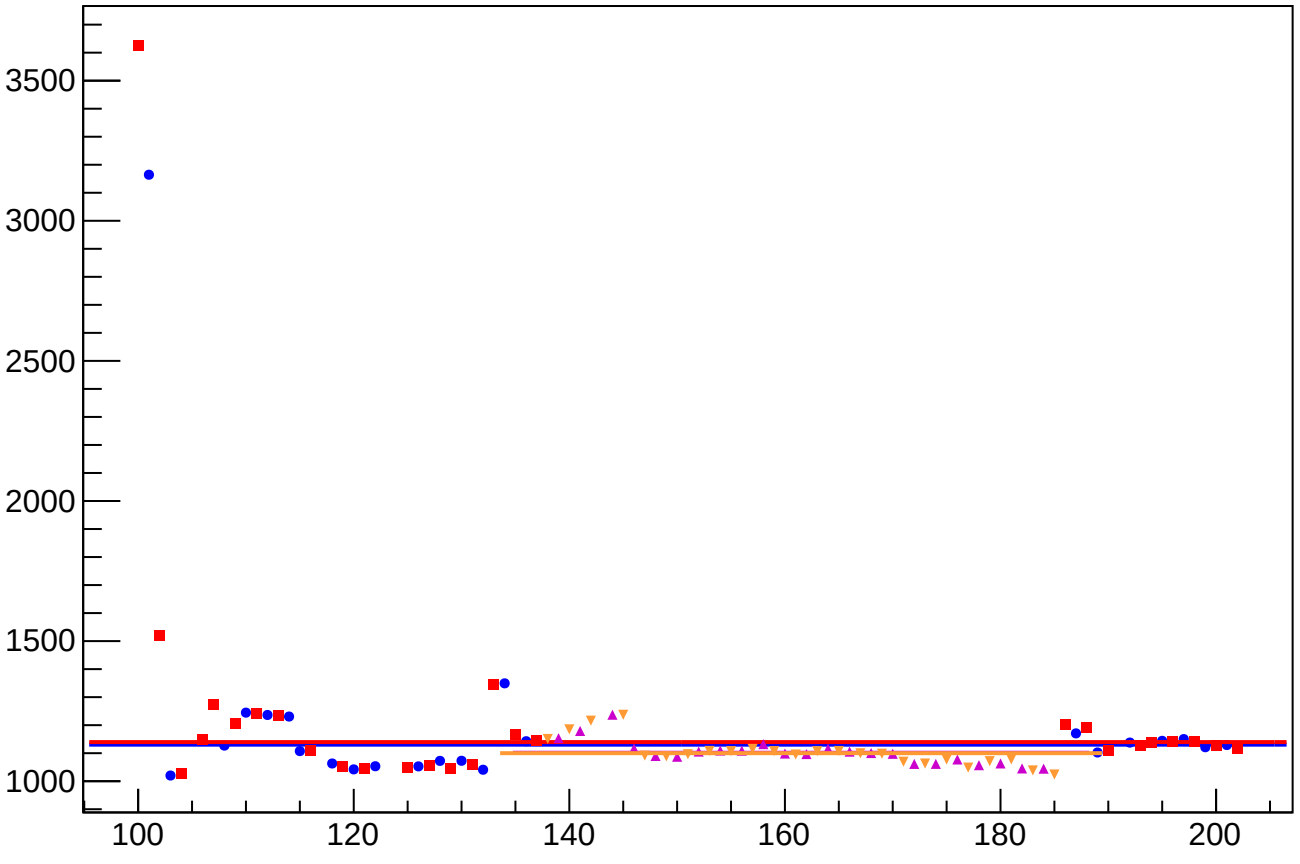
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -78.164+/-223.439 χ^2/NDF: 50.9/49

In: -309.814+/-202.030 χ^2/NDF:37.8/45

Out: 301.656+/-196.344 χ^2/NDF:77.1/50

All: 4.646+/-140.803 χ^2/NDF: 119.6/96



Right In: 1130.455+/-0.231 χ^2/NDF: 623538.2/22

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1139.636+/-0.217 χ^2/NDF: 227817.0/26

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

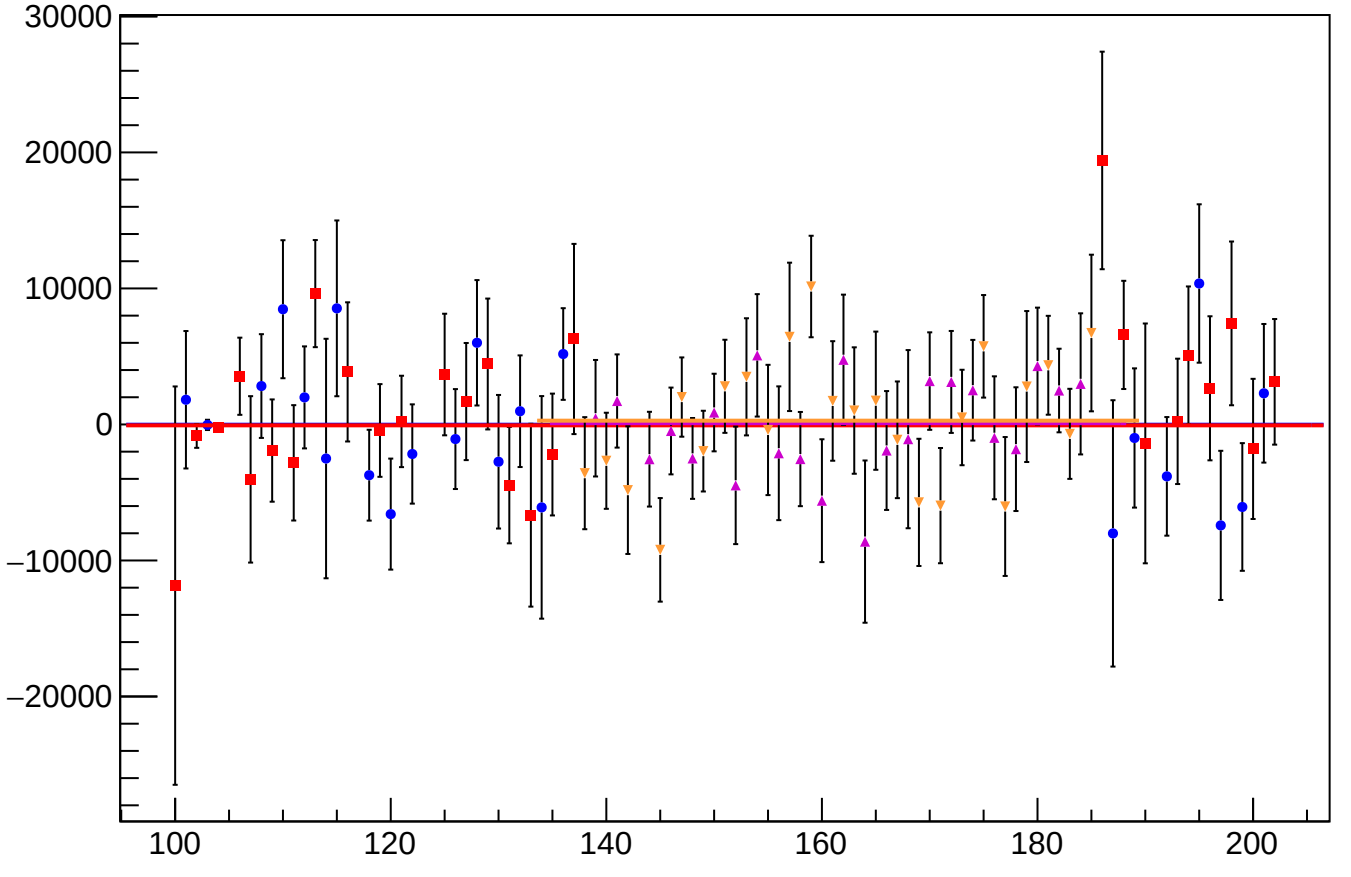
Right: 1135.329+/-0.158 χ^2/NDF: 852196.9/49

In: 1112.634+/-0.143 χ^2/NDF:685380.9/45

Out: 1116.290+/-0.139 χ^2/NDF:306218.8/50

All: 1114.515+/-0.100 χ^2/NDF: 991936.6/96

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -18.755+/-352.113 χ^2/NDF: 23.2/22

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -65.289+/-317.217 χ^2/NDF: 28.0/26

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

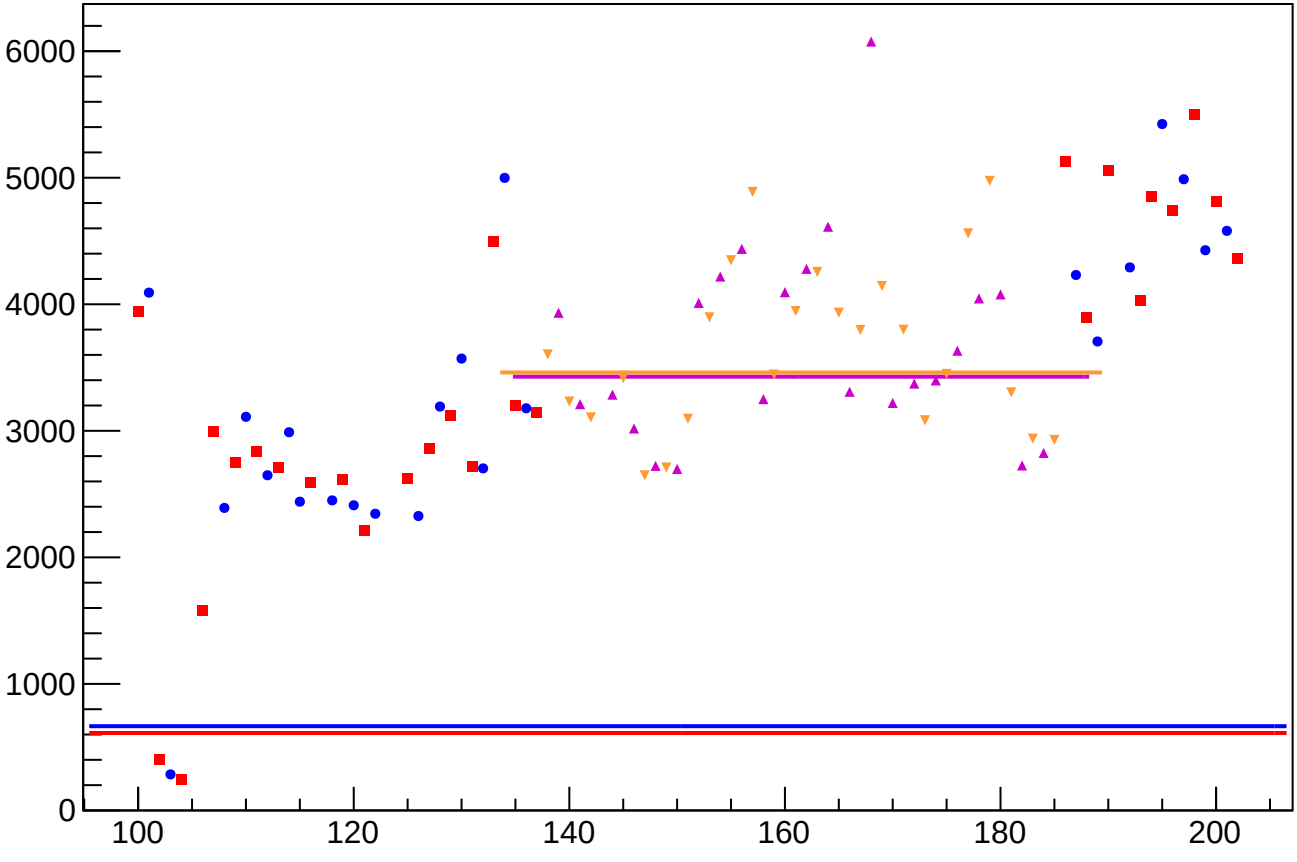
Right: -44.442+/-235.680 χ^2/NDF: 51.2/49

In: -0.985+/-323.373 χ^2/NDF:36.9/45

Out: -20.714+/-295.874 χ^2/NDF:58.0/50

All: -11.724+/-218.290 χ^2/NDF: 94.9/96

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 665.804+/-0.249 χ^2/NDF: 17310872.4/22

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 612.159+/-0.224 χ^2/NDF: 19716335.6/26

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

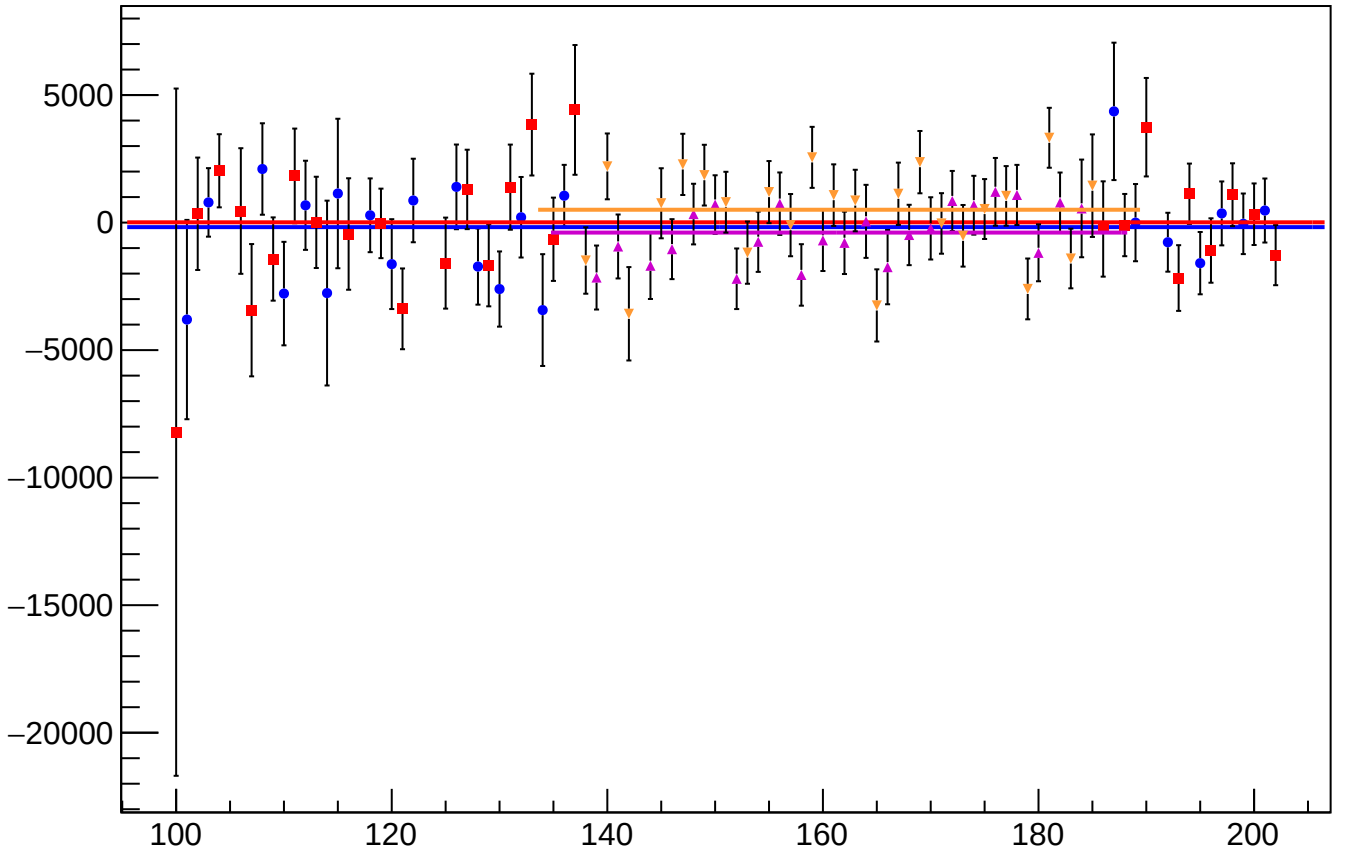
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 636.193+/-0.167 χ^2/NDF: 37052832.6/49

In: 1098.278+/-0.229 χ^2/NDF:37823013.5/45

Out: 982.638+/-0.209 χ^2/NDF:41754241.5/50

All: 1035.333+/-0.154 χ^2/NDF: 79716472.6/9



Right In: -178.311+/-326.072 χ^2/NDF: 19.7/22

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 10.628+/-306.789 χ^2/NDF: 31.0/26

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

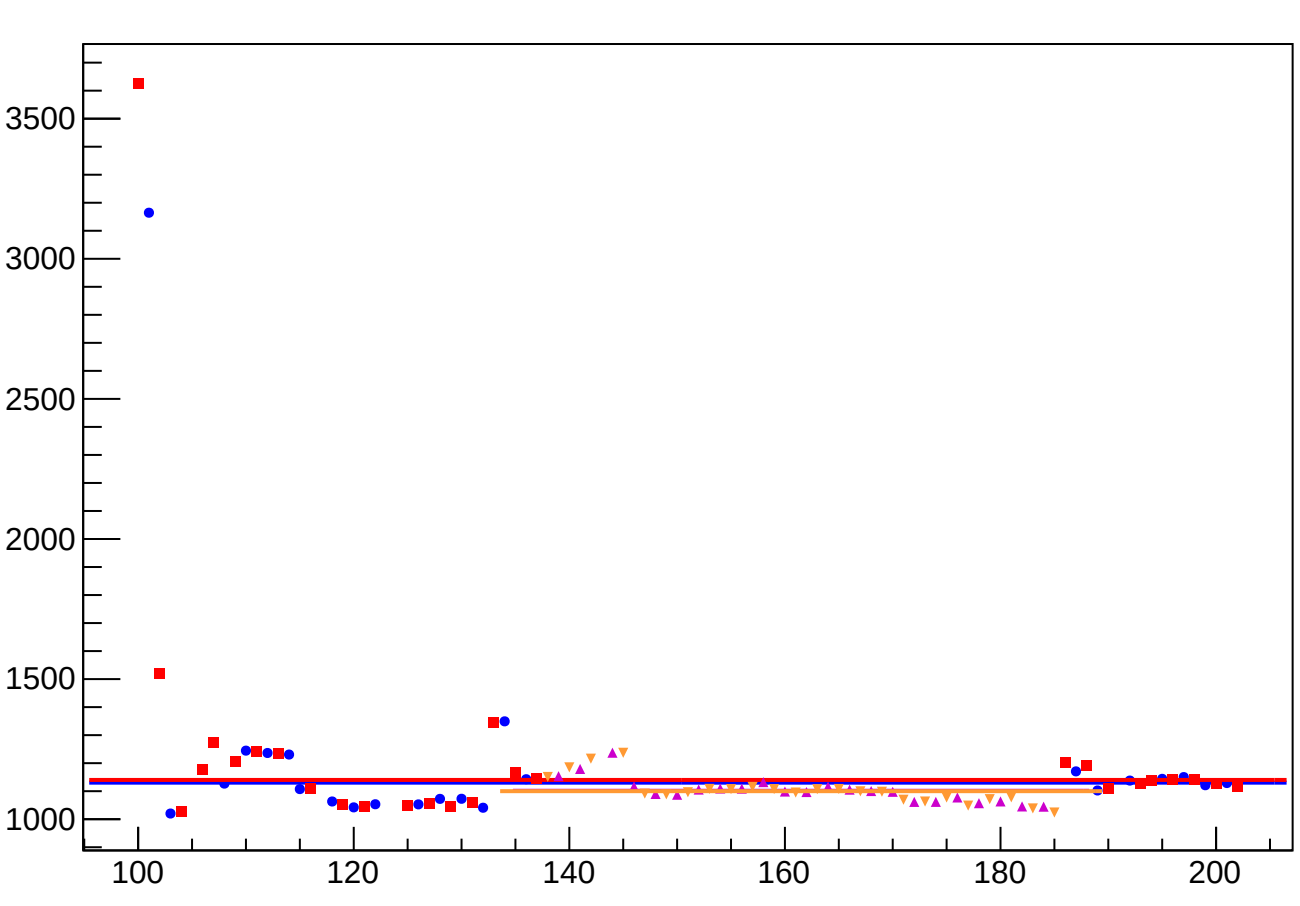
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -78.090+/-223.439 χ^2/NDF: 50.9/49

In: -309.776+/-202.030 χ^2/NDF:37.8/45

Out: 301.728+/-196.344 χ^2/NDF:77.1/50

All: 4.702+/-140.803 χ^2/NDF: 119.6/96



Right In: 1130.455+/-0.231 χ^2/NDF: 623539.4/22

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1140.126+/-0.217 χ^2/NDF: 228306.3/26

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

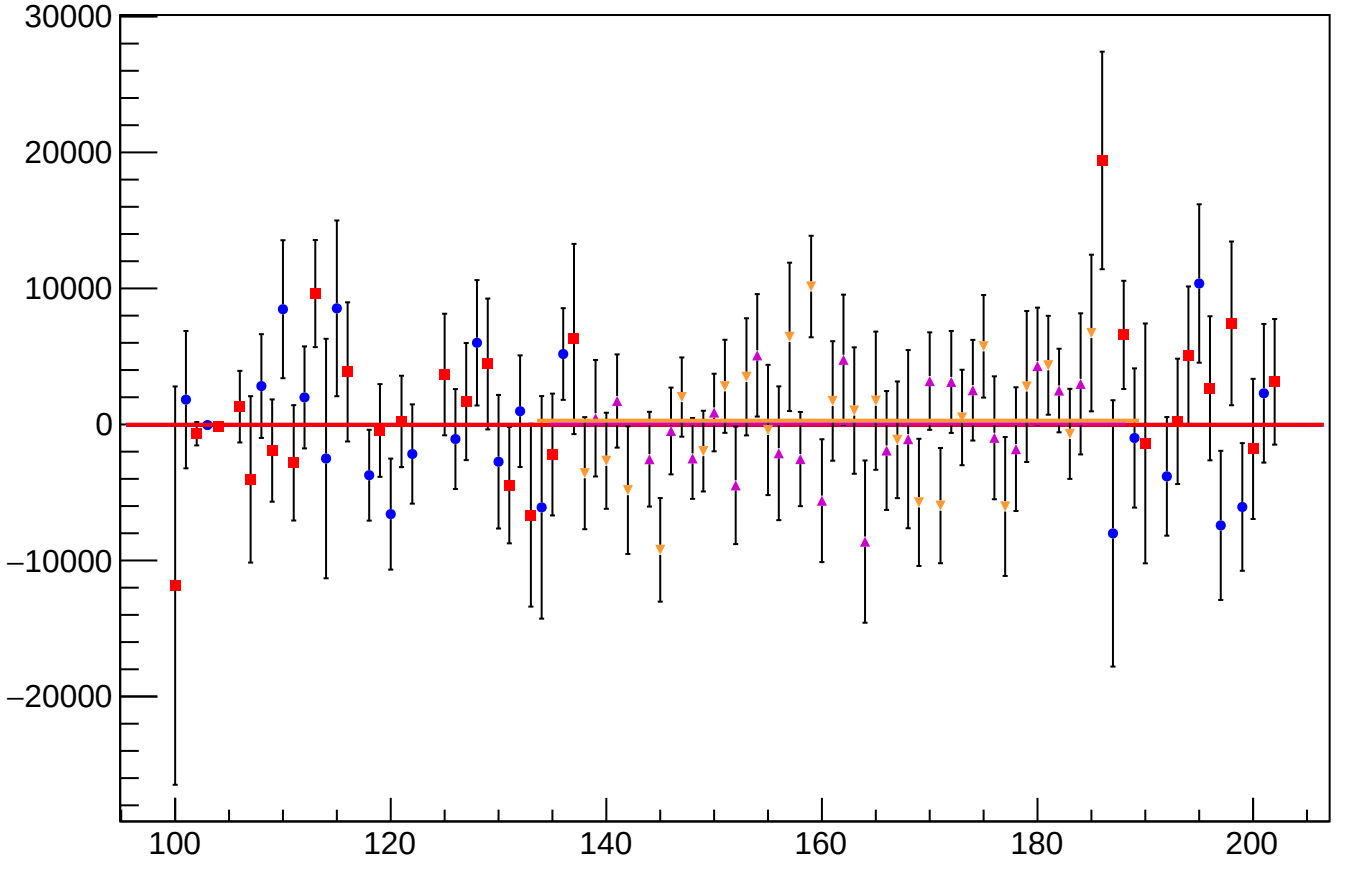
Right: 1135.586+/-0.158 χ^2/NDF: 852779.0/49

In: 1112.634+/-0.143 χ^2/NDF:685381.9/45

Out: 1116.478+/-0.139 χ^2/NDF:307182.6/50

All: 1114.611+/-0.100 χ^2/NDF: 992937.0/96

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.942+/-339.566 χ^2/NDF: 23.2/22

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -25.525+/-312.287 χ^2/NDF: 26.2/26

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

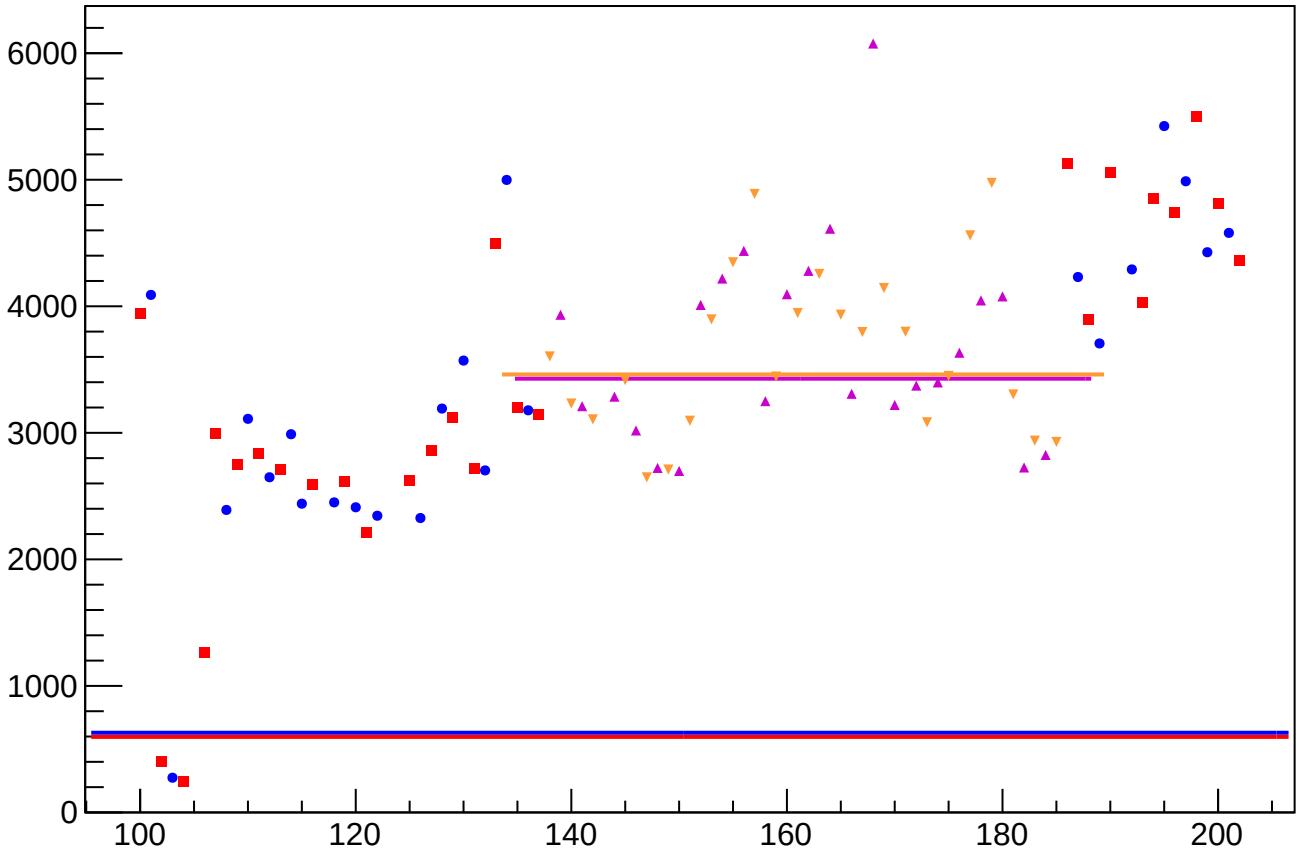
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -28.007+/-229.860 χ^2/NDF: 49.5/49

In: -12.437+/-313.574 χ^2/NDF:36.9/45

Out: 12.822+/-291.862 χ^2/NDF:56.2/50

All: 1.097+/-213.641 χ^2/NDF: 93.1/96



Right In: 630.064+/-0.240 χ^2/NDF: 17586352.6/22

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 597.224+/-0.221 χ^2/NDF: 19707736.9/26

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

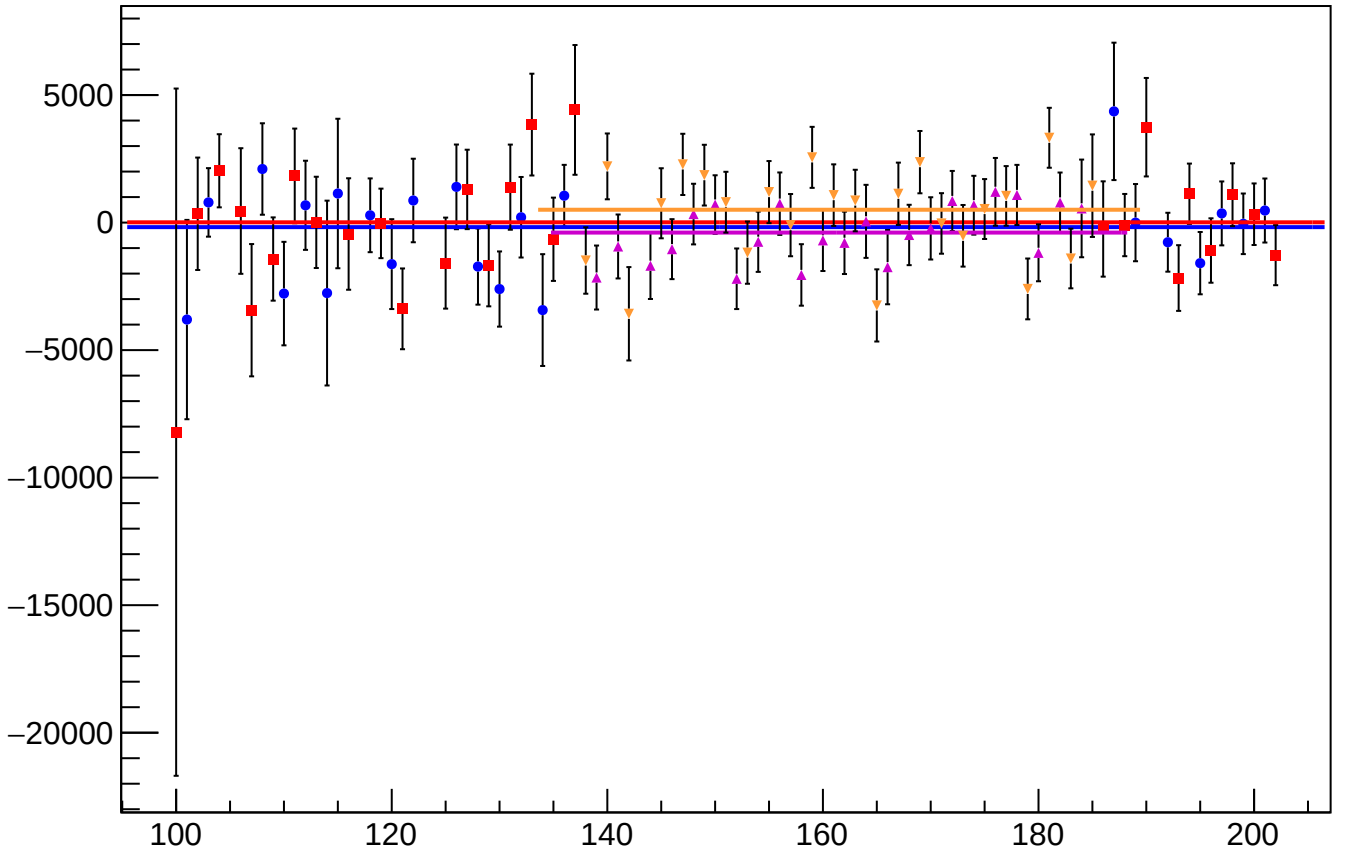
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 612.272+/-0.163 χ^2/NDF: 37304224.7/49

In: 1041.987+/-0.222 χ^2/NDF:38819458.0/45

Out: 959.613+/-0.206 χ^2/NDF:42051540.4/50

All: 997.850+/-0.151 χ^2/NDF: 80944948.5/96



Right In: -178.311+/-326.072 χ^2/NDF: 19.7/22

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 10.628+/-306.789 χ^2/NDF: 31.0/26

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

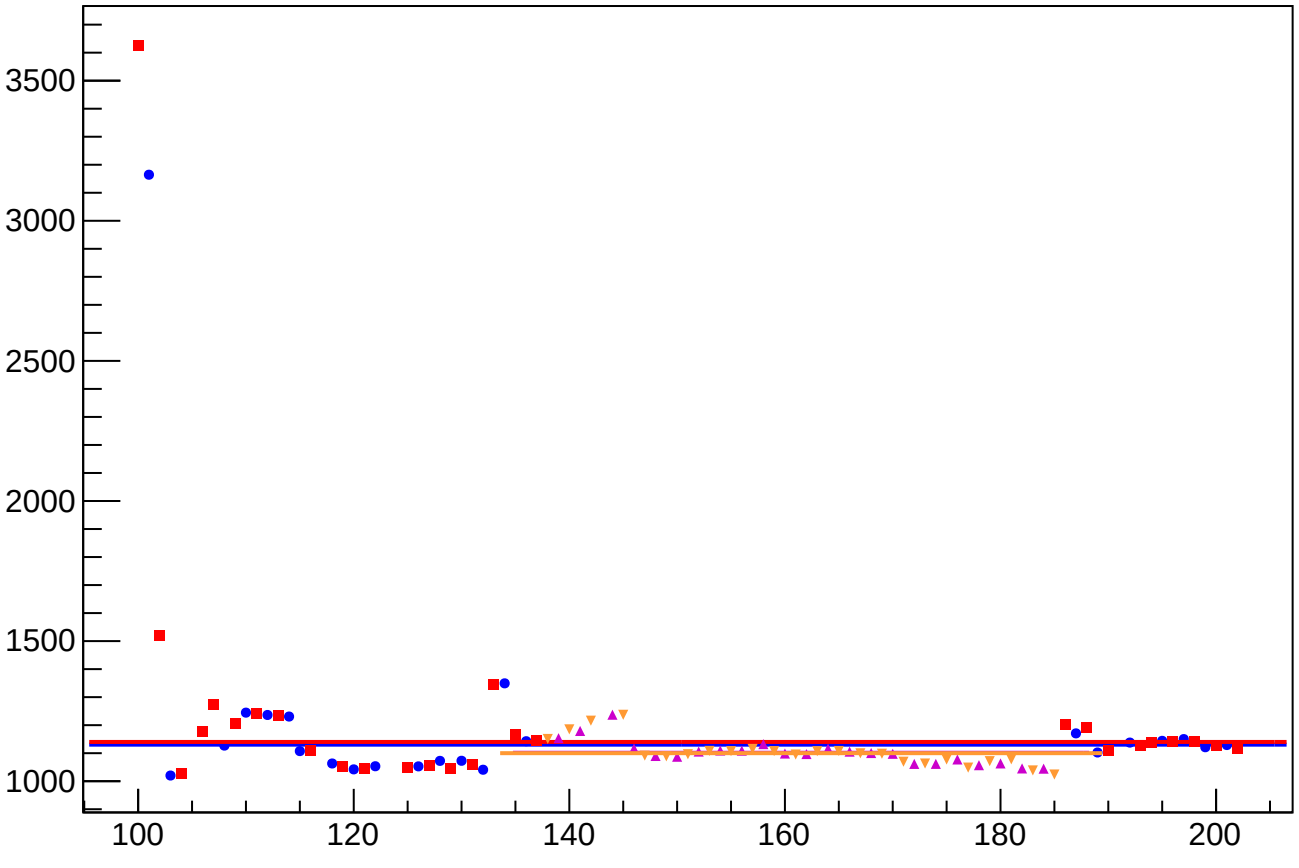
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -78.090+/-223.439 χ^2/NDF: 50.9/49

In: -309.776+/-202.030 χ^2/NDF:37.8/45

Out: 301.728+/-196.344 χ^2/NDF:77.1/50

All: 4.702+/-140.803 χ^2/NDF: 119.6/96



Right In: 1130.455+/-0.231 χ^2/NDF: 623539.4/22

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1140.126+/-0.217 χ^2/NDF: 228306.3/26

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

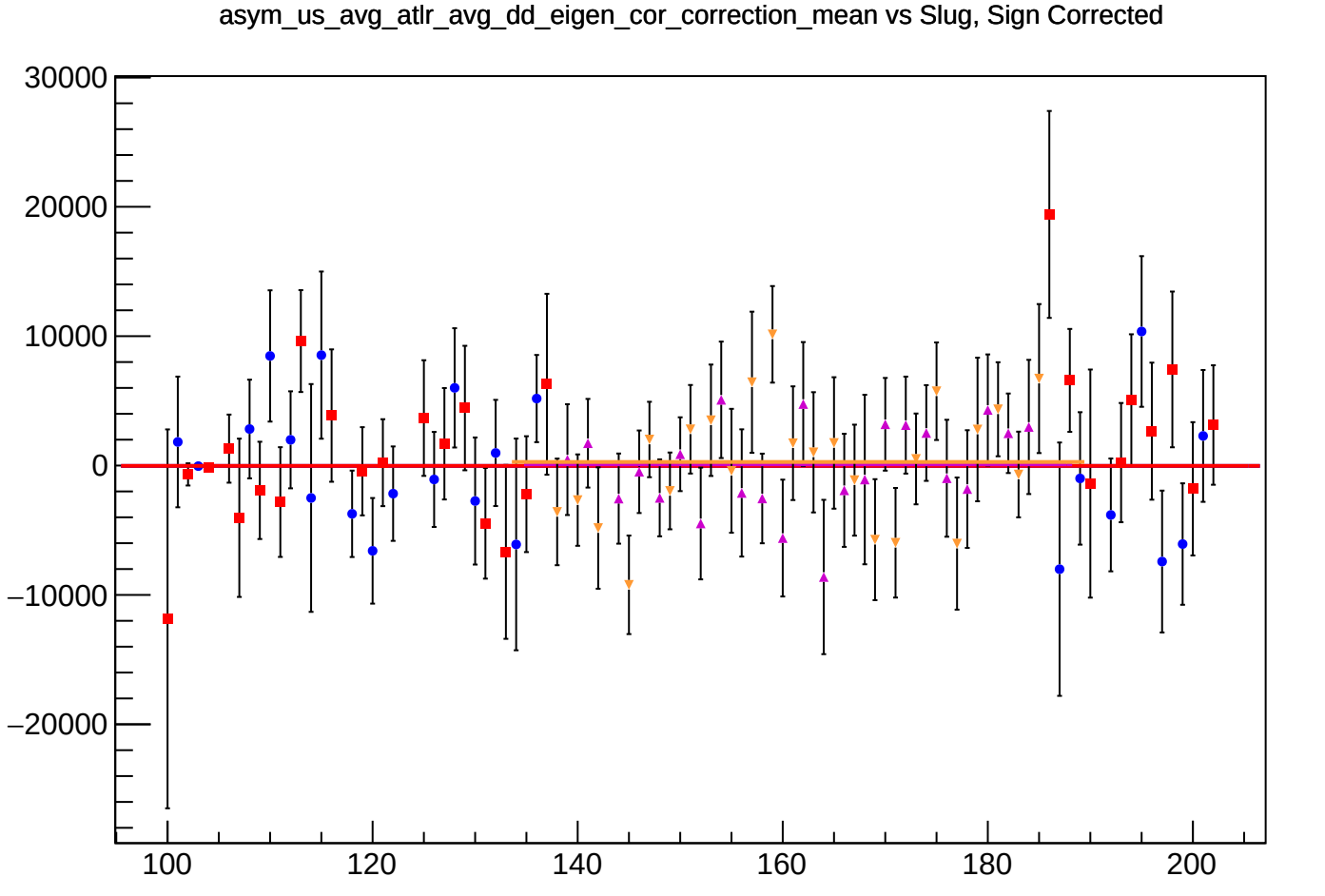
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1135.586+/-0.158 χ^2/NDF: 852779.0/49

In: 1112.634+/-0.143 χ^2/NDF:685381.9/45

Out: 1116.478+/-0.139 χ^2/NDF:307182.6/50

All: 1114.611+/-0.100 χ^2/NDF: 992937.0/96



Right In: -30.942+/-339.566 χ^2/NDF: 23.2/22

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -25.525+/-312.287 χ^2/NDF: 26.2/26

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

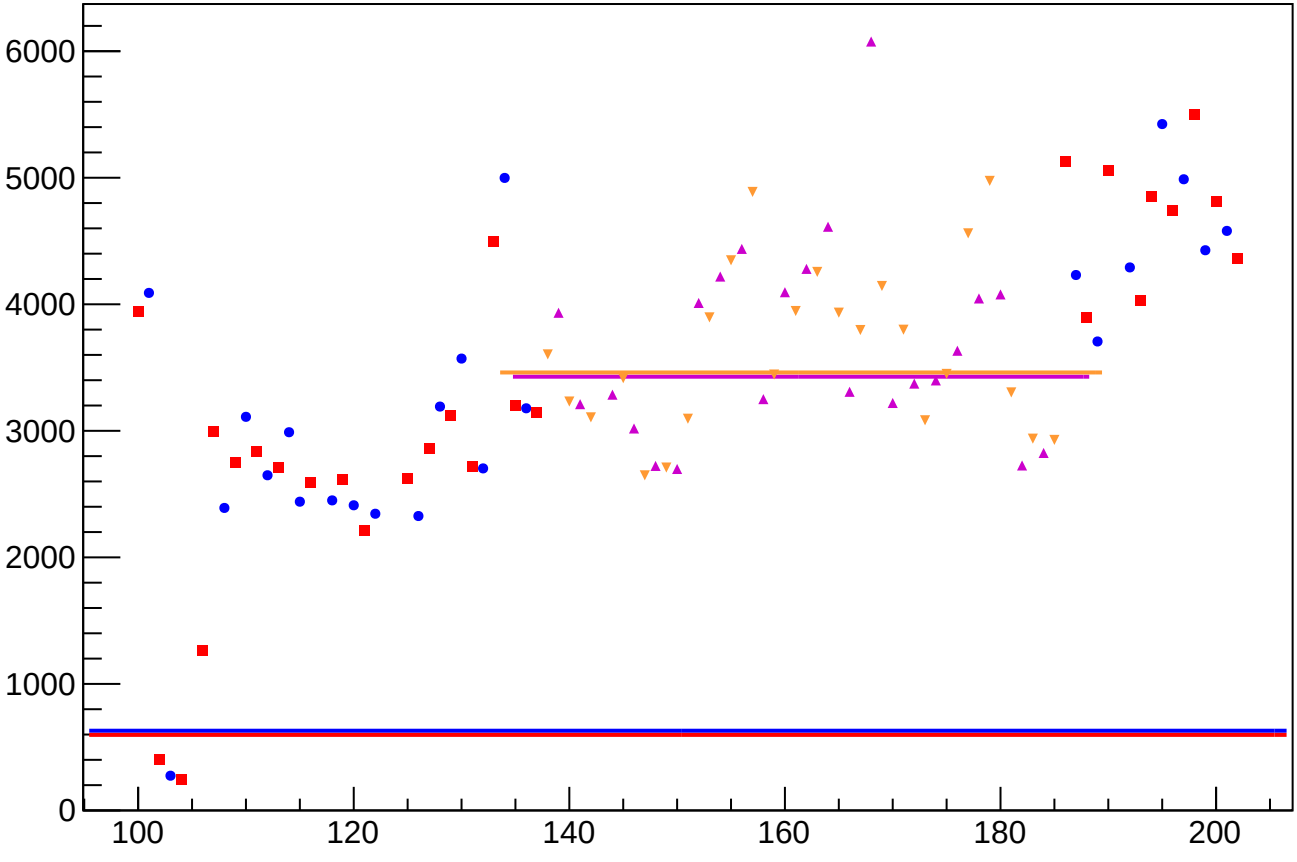
Right: -28.007+/-229.860 χ^2/NDF: 49.5/49

In: -12.437+/-313.574 χ^2/NDF:36.9/45

Out: 12.822+/-291.862 χ^2/NDF:56.2/50

All: 1.097+/-213.641 χ^2/NDF: 93.1/96

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 630.064+/-0.240 χ^2/NDF: 17586352.6/22

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 597.224+/-0.221 χ^2/NDF: 19707736.9/26

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

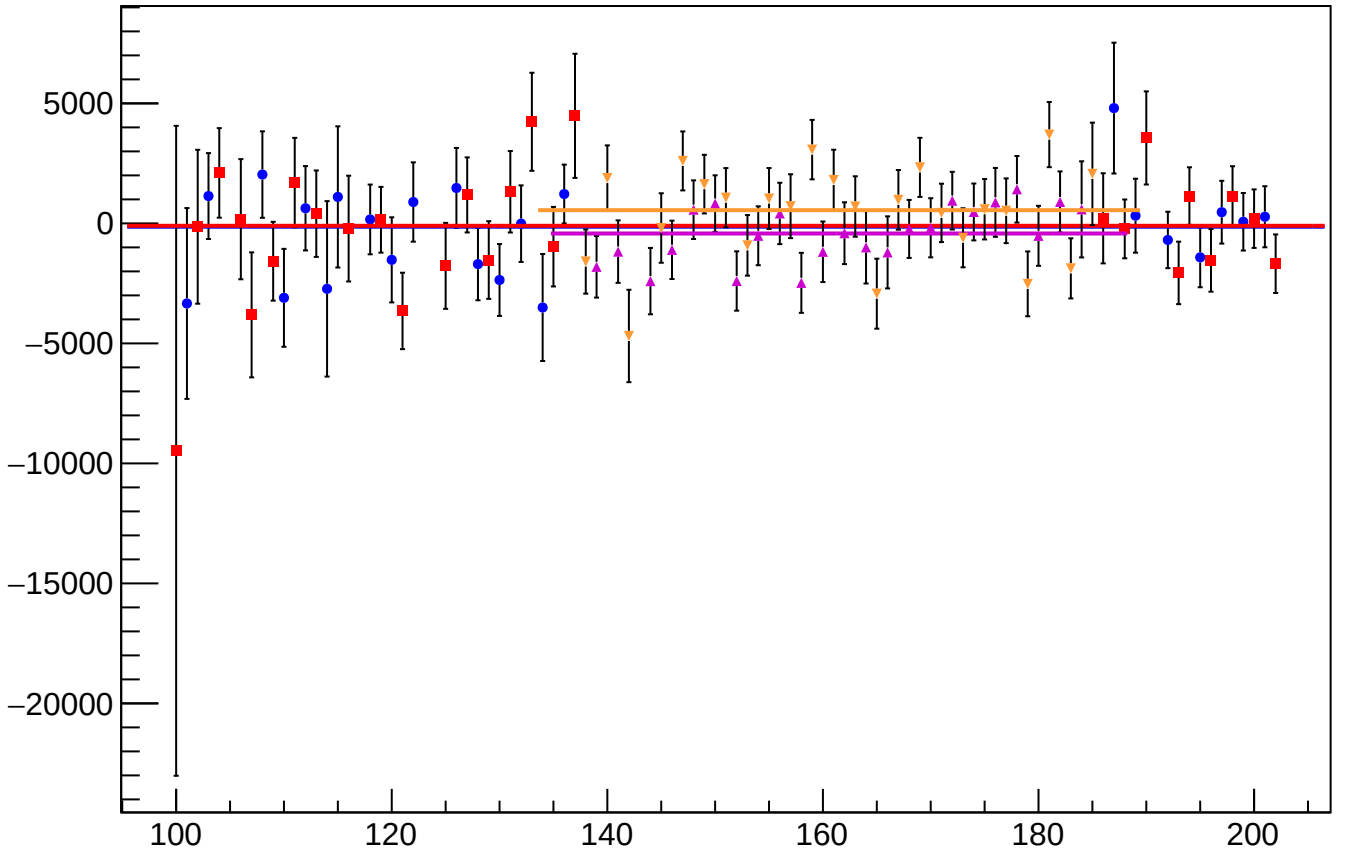
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 612.272+/-0.163 χ^2/NDF: 37304224.7/49

In: 1041.987+/-0.222 χ^2/NDF:38819458.0/45

Out: 959.613+/-0.206 χ^2/NDF:42051540.4/50

All: 997.850+/-0.151 χ^2/NDF: 80944948.5/96



Right In: -137.353+/-334.727 χ^2/NDF: 19.4/22

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -100.101+/-315.344 χ^2/NDF: 32.5/26

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

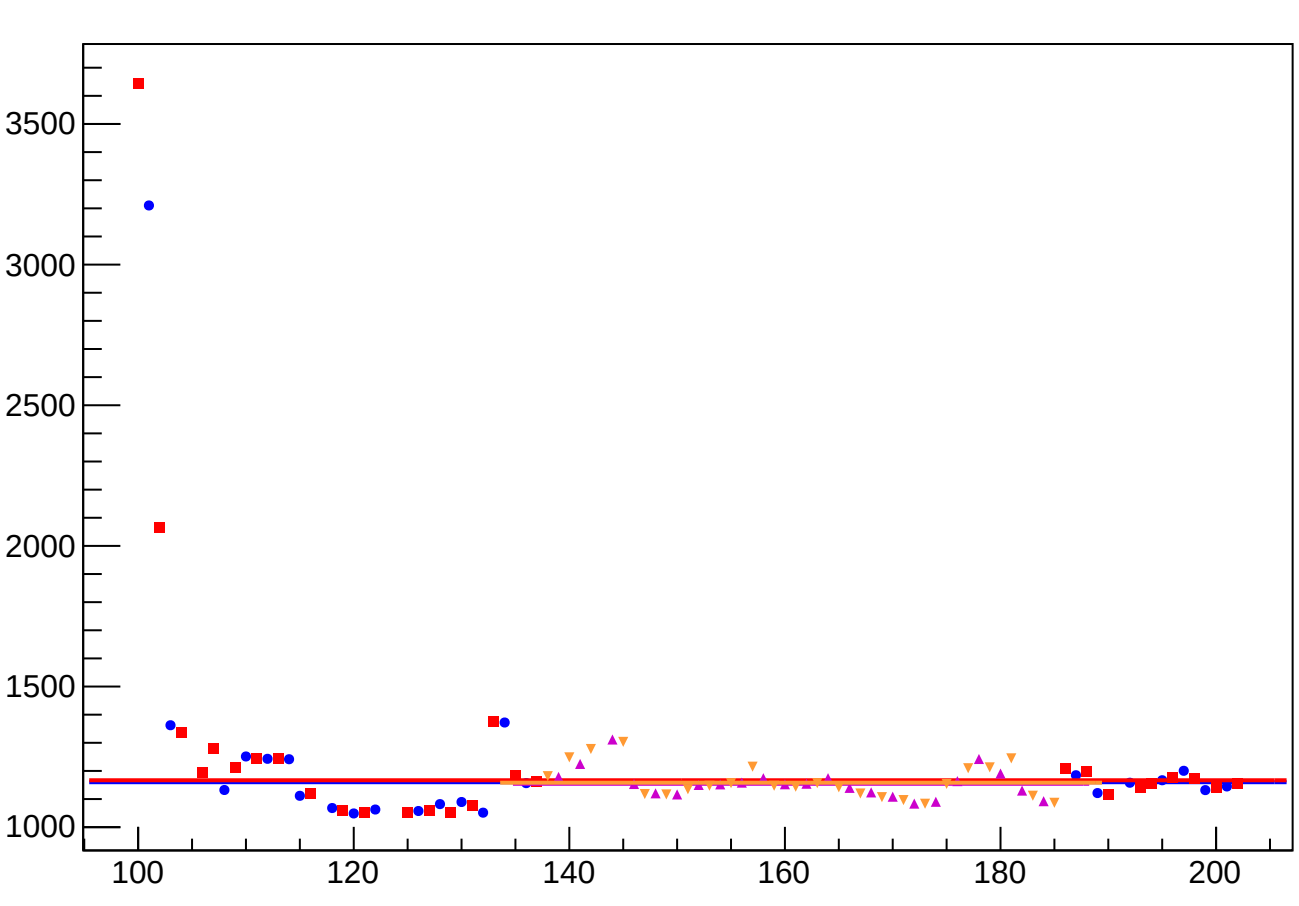
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -117.617+/-229.528 χ^2/NDF: 51.8/49

In: -309.299+/-210.066 χ^2/NDF:37.8/45

Out: 276.326+/-204.745 χ^2/NDF:80.2/50

All: -8.976+/-146.622 χ^2/NDF: 121.9/96



Right In: 1159.920+/-0.237 χ^2/NDF: 640230.3/22

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1166.841+/-0.223 χ^2/NDF: 337861.6/26

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

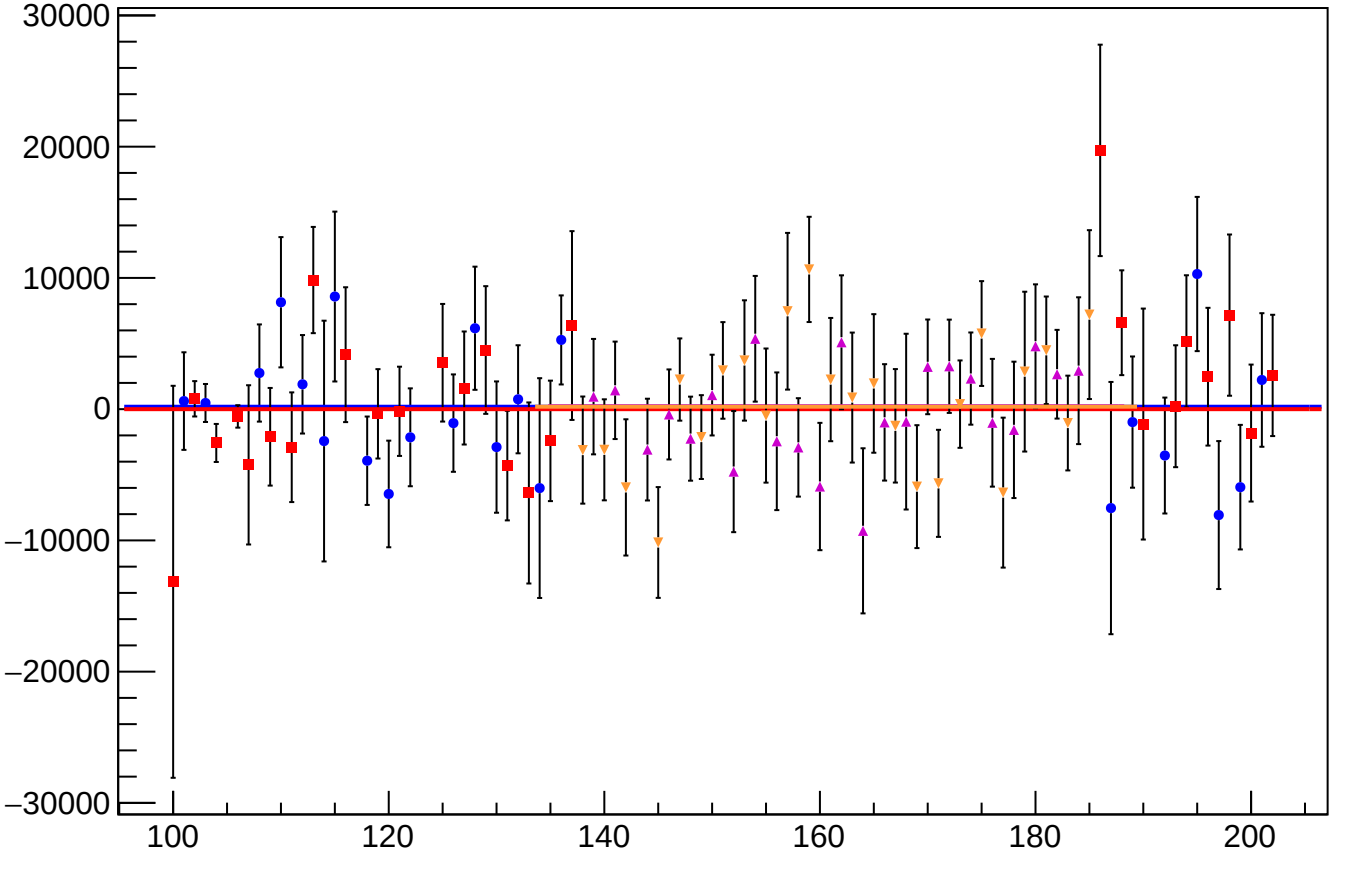
Right: 1163.588+/-0.162 χ^2/NDF: 978545.0/49

In: 1156.471+/-0.149 χ^2/NDF:707057.5/45

Out: 1161.830+/-0.145 χ^2/NDF:422847.0/50

All: 1159.220+/-0.104 χ^2/NDF: 1130572.0/96

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 184.747+/-802.106 χ^2/NDF: 22.9/22

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -0.309+/-538.683 χ^2/NDF: 29.0/26

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

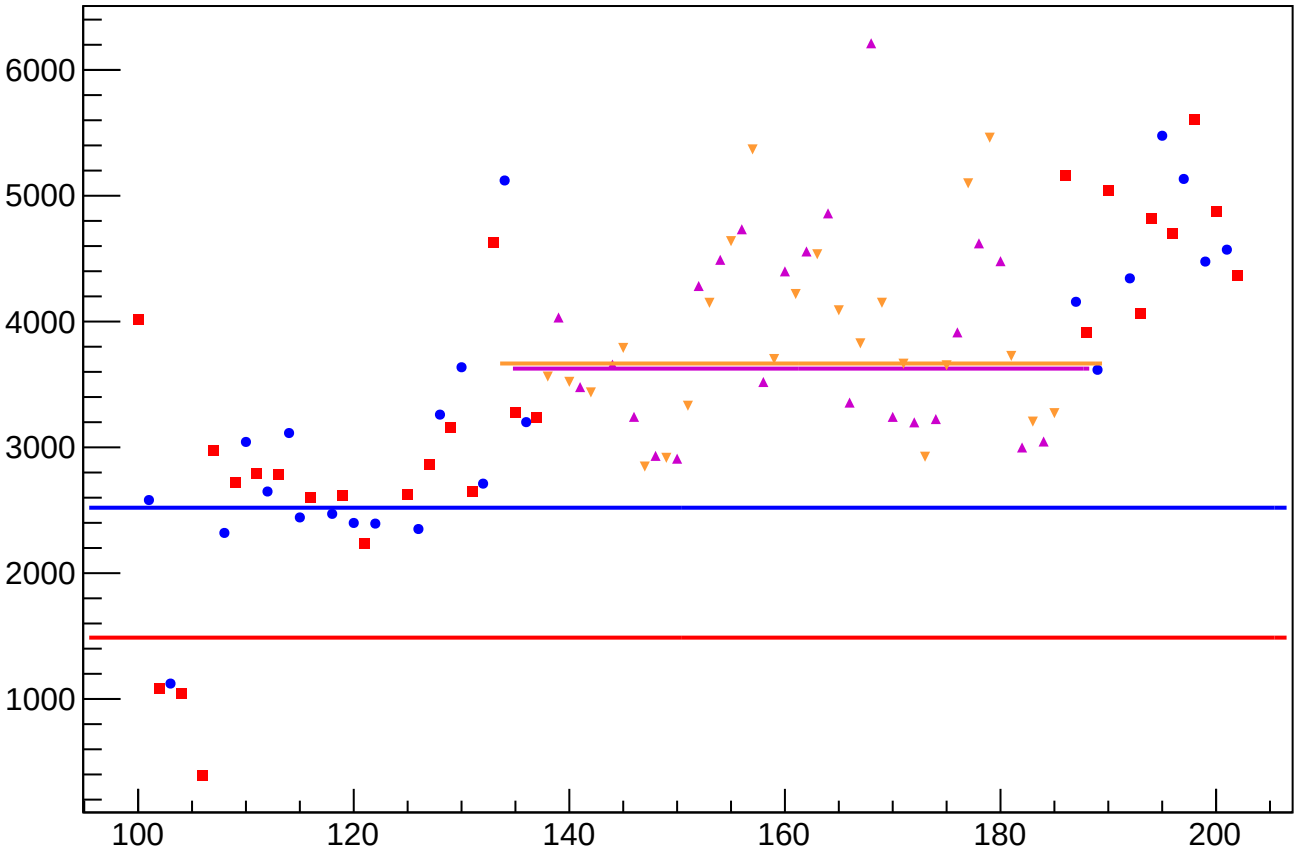
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 57.213+/-447.194 χ^2/NDF: 51.9/49

In: 201.680+/-588.083 χ^2/NDF:36.3/45

Out: 52.408+/-457.914 χ^2/NDF:58.3/50

All: 108.751+/-361.302 χ^2/NDF: 94.6/96



Right In: 2520.286+/-0.567 χ^2/NDF: 4436381.4/22

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1487.617+/-0.381 χ^2/NDF: 12679754.7/26

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

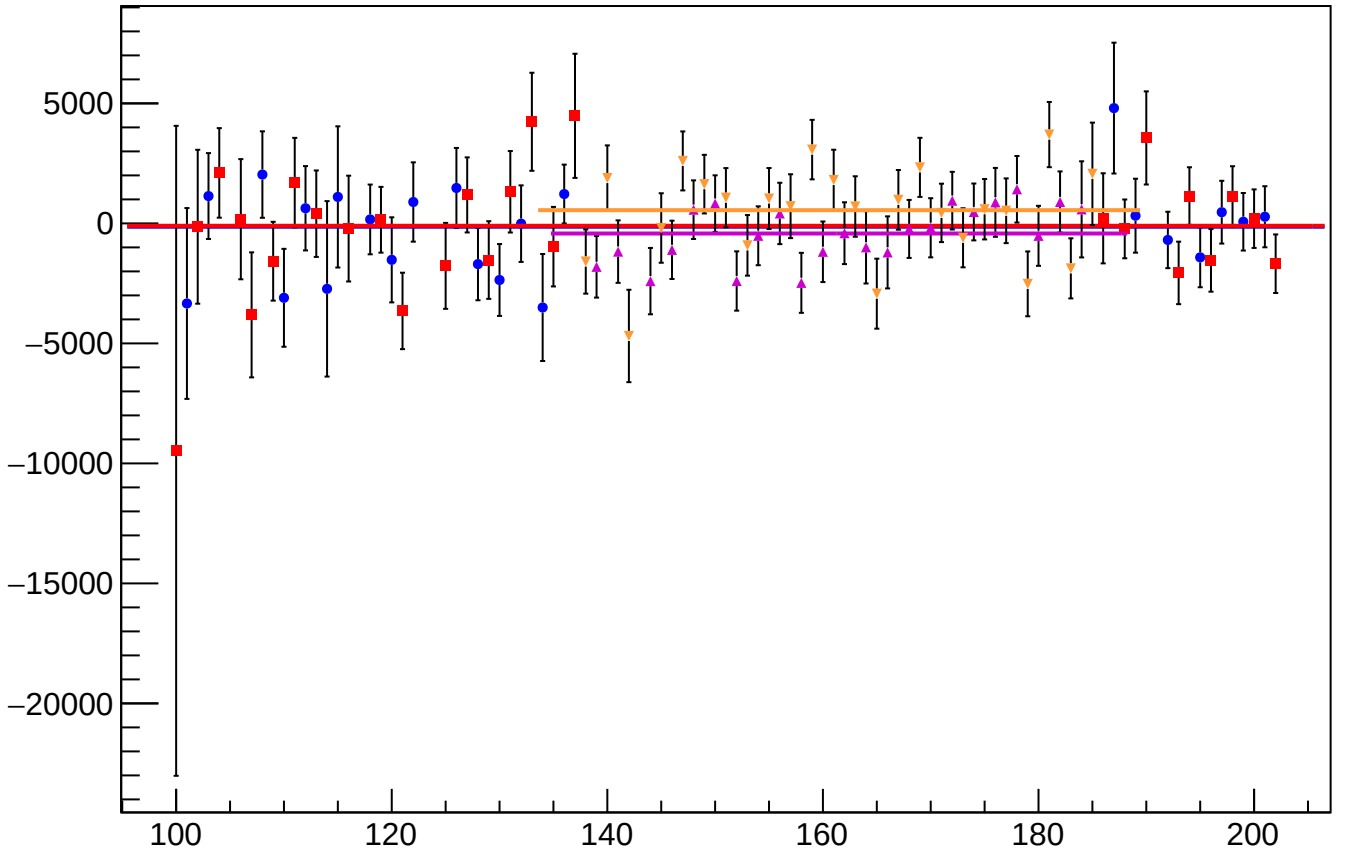
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 1808.605+/-0.316 χ^2/NDF: 19400753.3/49

In: 3031.603+/-0.416 χ^2/NDF:7451728.6/45

Out: 2092.036+/-0.324 χ^2/NDF:22852582.8/50

All: 2446.678+/-0.255 χ^2/NDF: 33482507.5/9



Right In: -137.353+/-334.727 χ^2/NDF: 19.4/22

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -100.103+/-315.344 χ^2/NDF: 32.5/26

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

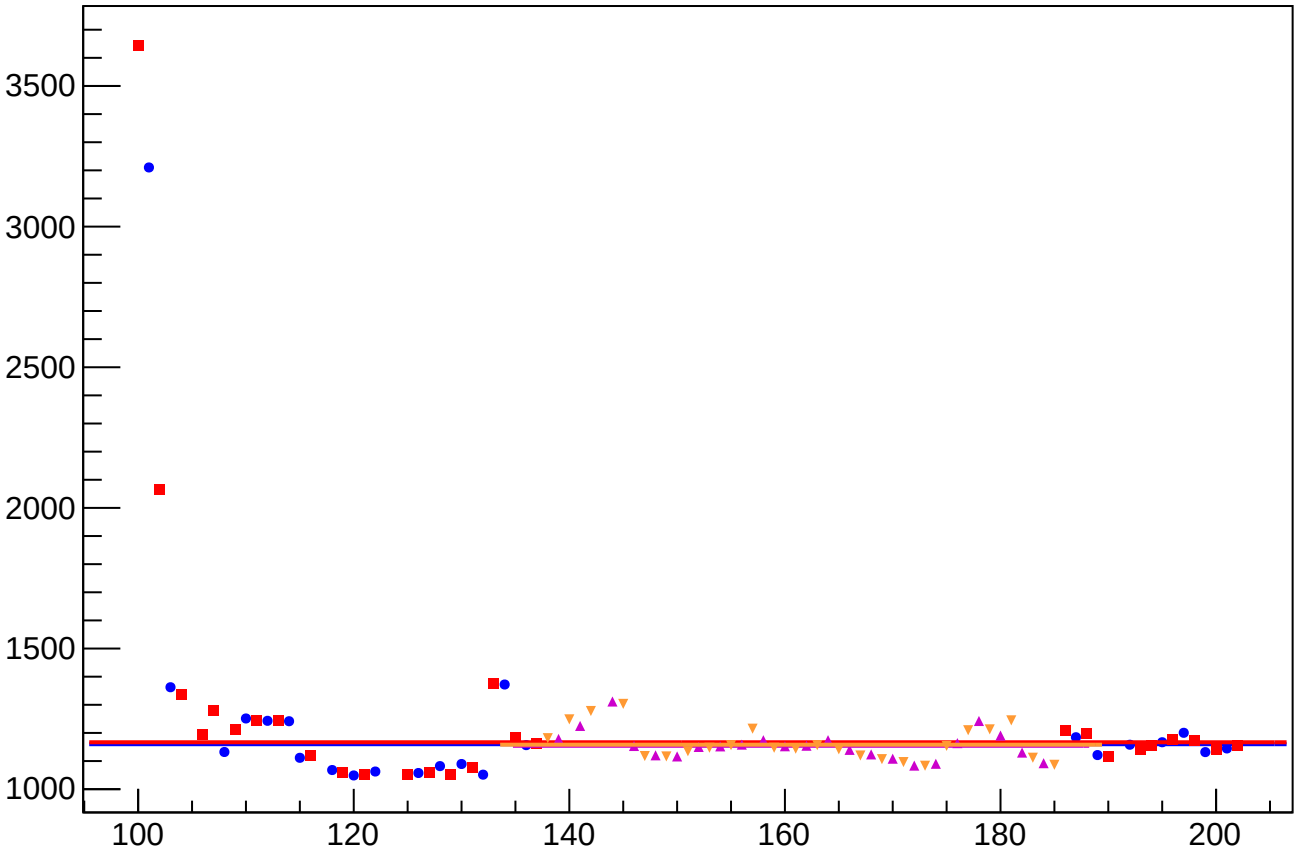
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: -117.618+/-229.528 χ^2/NDF: 51.8/49

In: -309.298+/-210.066 χ^2/NDF:37.8/45

Out: 276.326+/-204.745 χ^2/NDF:80.2/50

All: -8.976+/-146.622 χ^2/NDF: 121.9/96



Right In: 1159.920+/-0.237 χ^2/NDF: 640230.6/22

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1166.841+/-0.223 χ^2/NDF: 337861.3/26

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

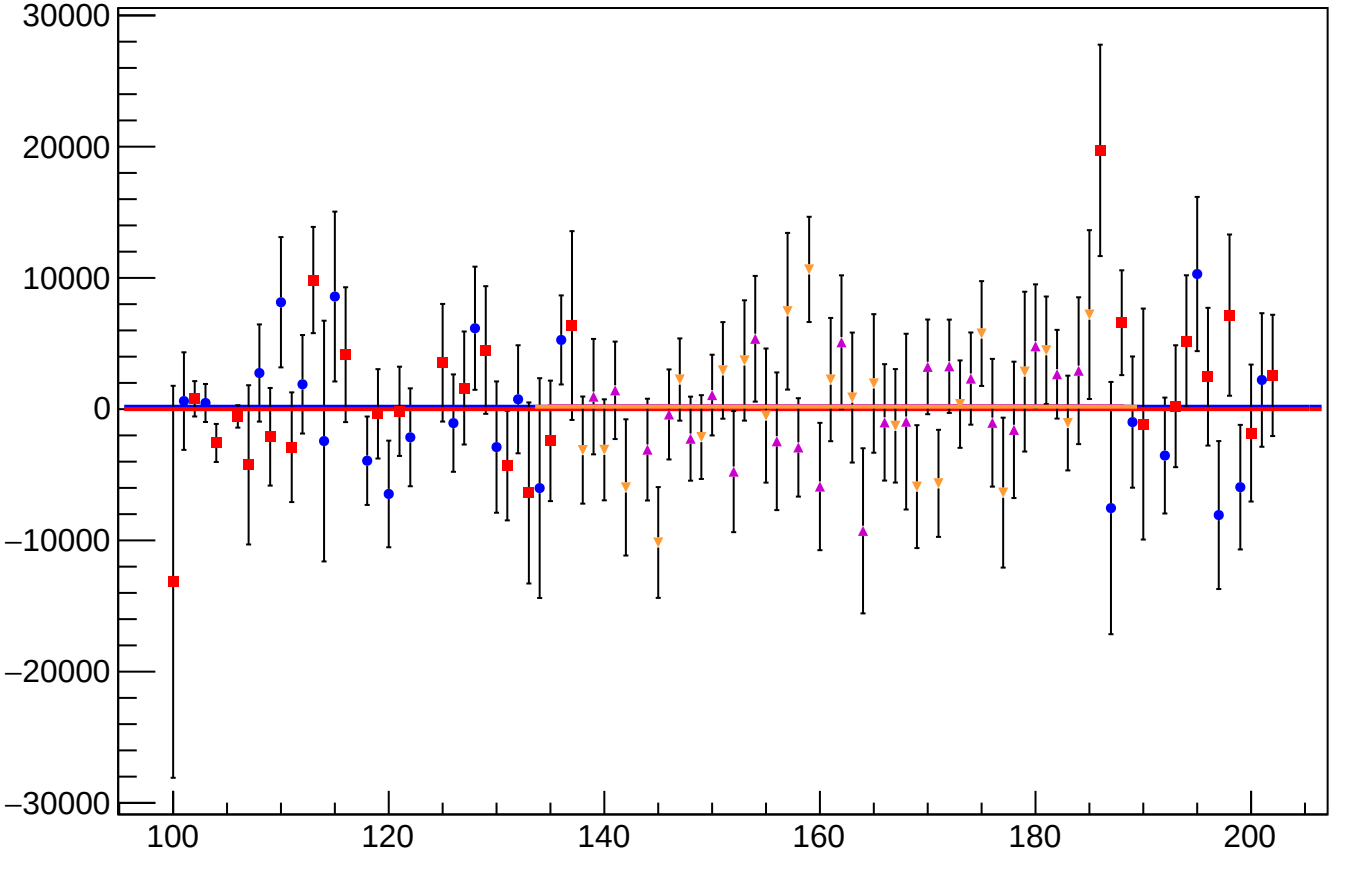
Right: 1163.588+/-0.162 χ^2/NDF: 978545.0/49

In: 1156.472+/-0.149 χ^2/NDF:707060.1/45

Out: 1161.831+/-0.145 χ^2/NDF:422848.9/50

All: 1159.220+/-0.104 χ^2/NDF: 1130576.6/96

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 184.743+/-802.105 χ^2/NDF: 22.9/22

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -0.319+/-538.677 χ^2/NDF: 29.0/26

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

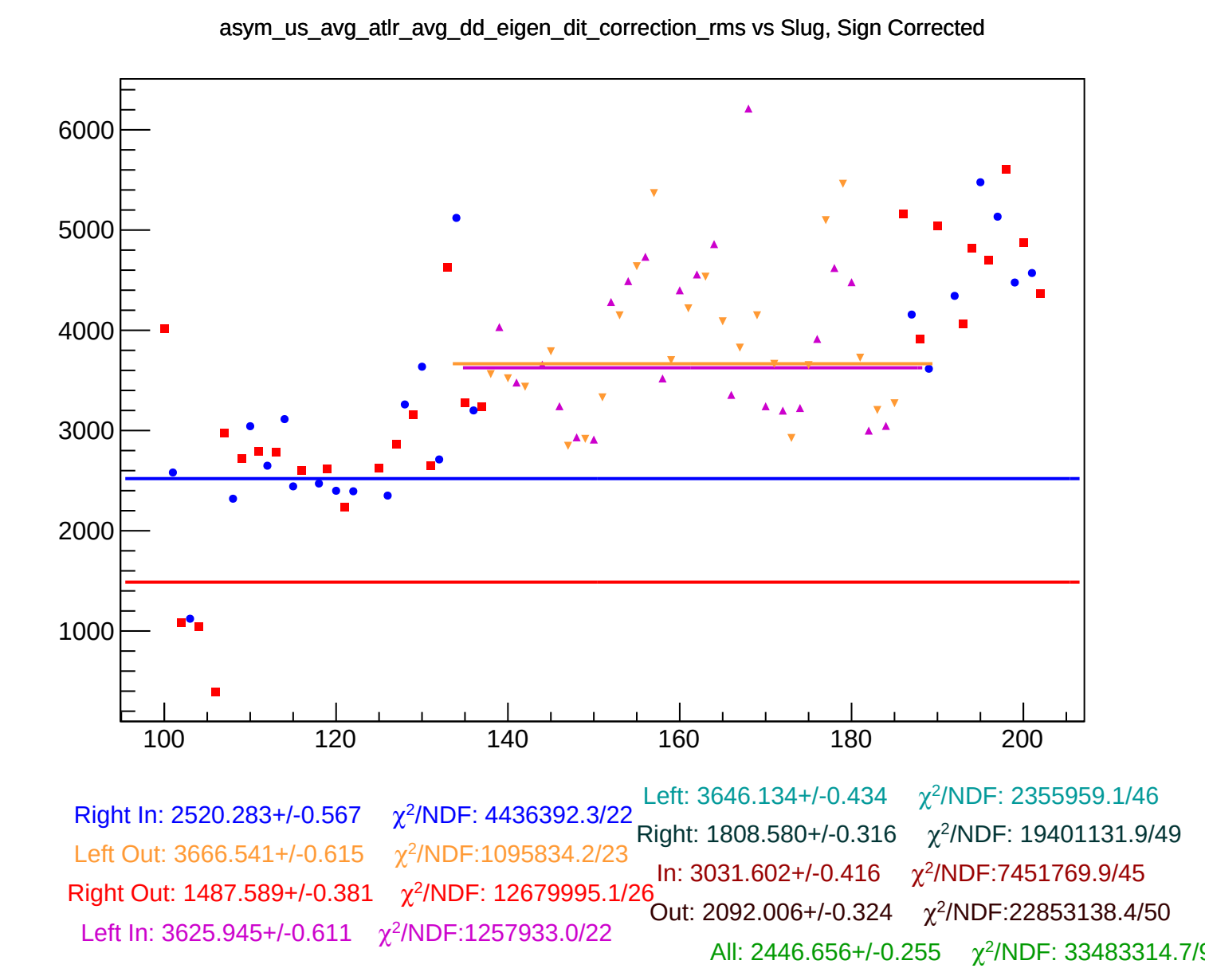
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

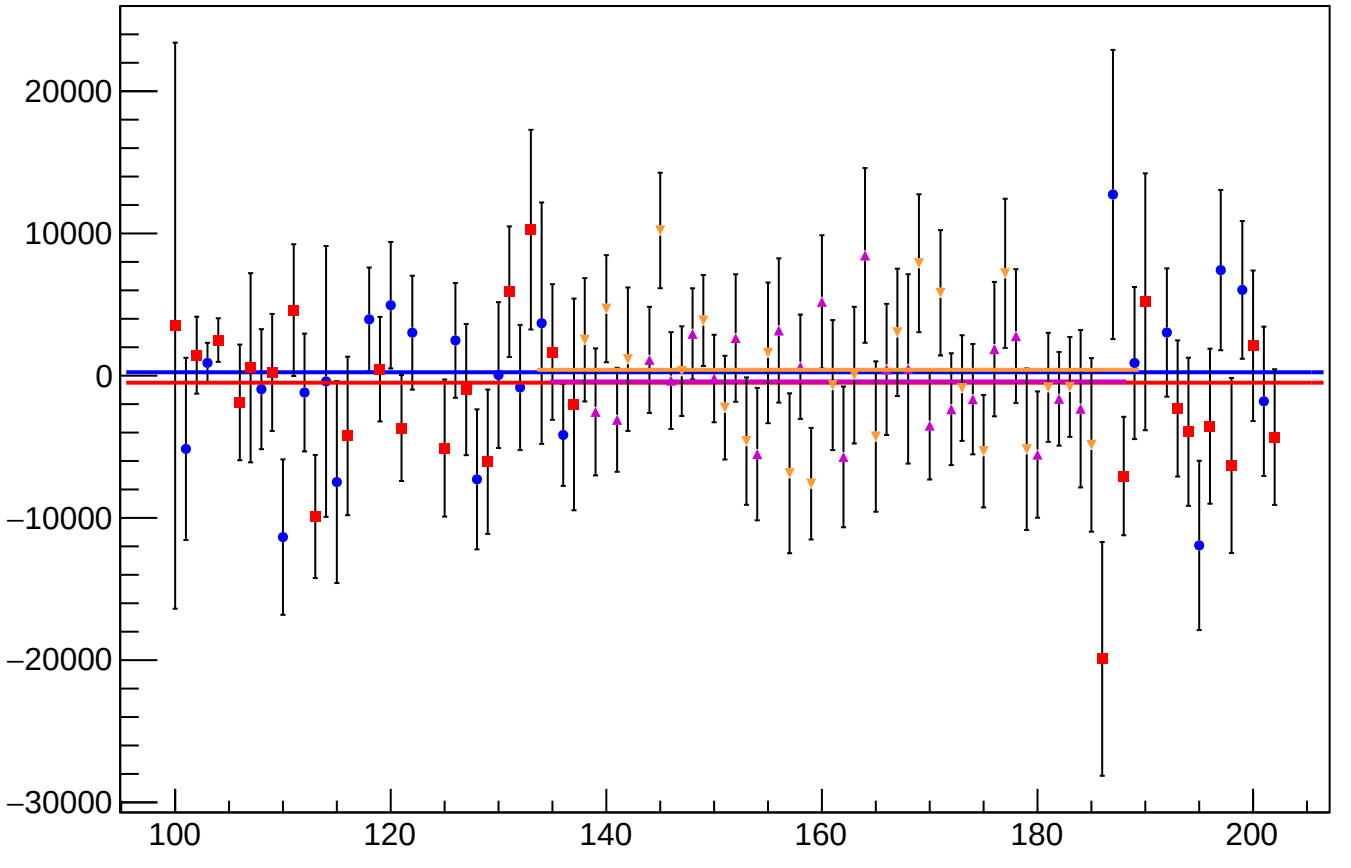
Right: 57.204+/-447.190 χ^2/NDF: 51.9/49

In: 201.678+/-588.083 χ^2/NDF:36.3/45

Out: 52.400+/-457.911 χ^2/NDF:58.3/50

All: 108.745+/-361.300 χ^2/NDF: 94.6/96


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
Right In: 2520.283+/-0.567 χ²/NDF: 4436392.3/22
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1487.589+/-0.381 χ²/NDF: 12679995.1/26
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 1808.580+/-0.316 χ²/NDF: 19401131.9/49
In: 3031.602+/-0.416 χ²/NDF:7451769.9/45
Out: 2092.006+/-0.324 χ²/NDF:22853138.4/50
All: 2446.656+/-0.255 χ²/NDF: 33483314.7/9



Right In: 240.396+/-841.542 χ^2/NDF: 23.1/22

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -489.748+/-803.579 χ^2/NDF: 29.5/26

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

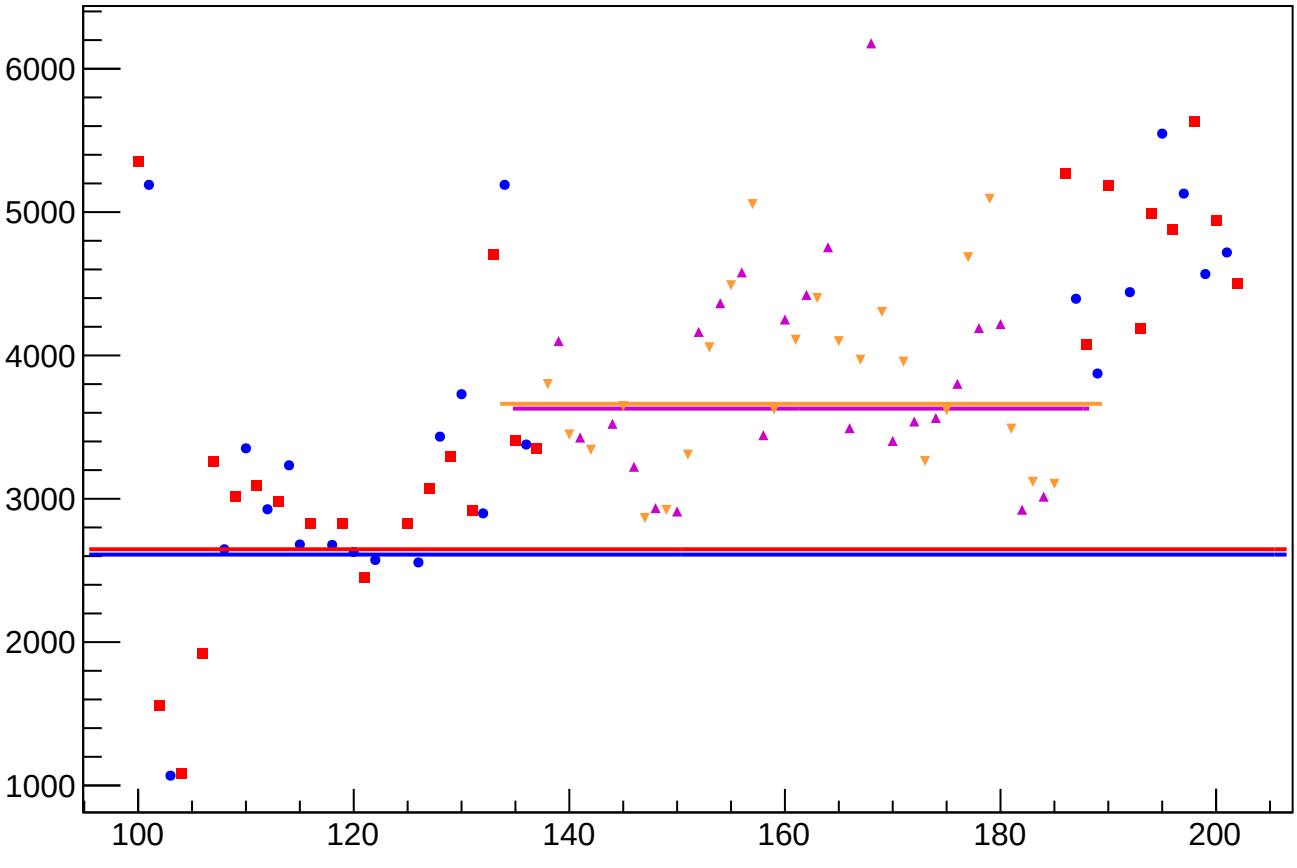
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -141.516+/-581.174 χ^2/NDF: 53.1/49

In: -73.678+/-602.312 χ^2/NDF:35.7/45

Out: -71.503+/-588.838 χ^2/NDF:57.3/50

All: -72.566+/-421.054 χ^2/NDF: 93.0/96



Right In: 2610.838+/-0.595 χ^2/NDF: 5255360.6/22

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2647.804+/-0.567 χ^2/NDF: 5584147.2/26

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

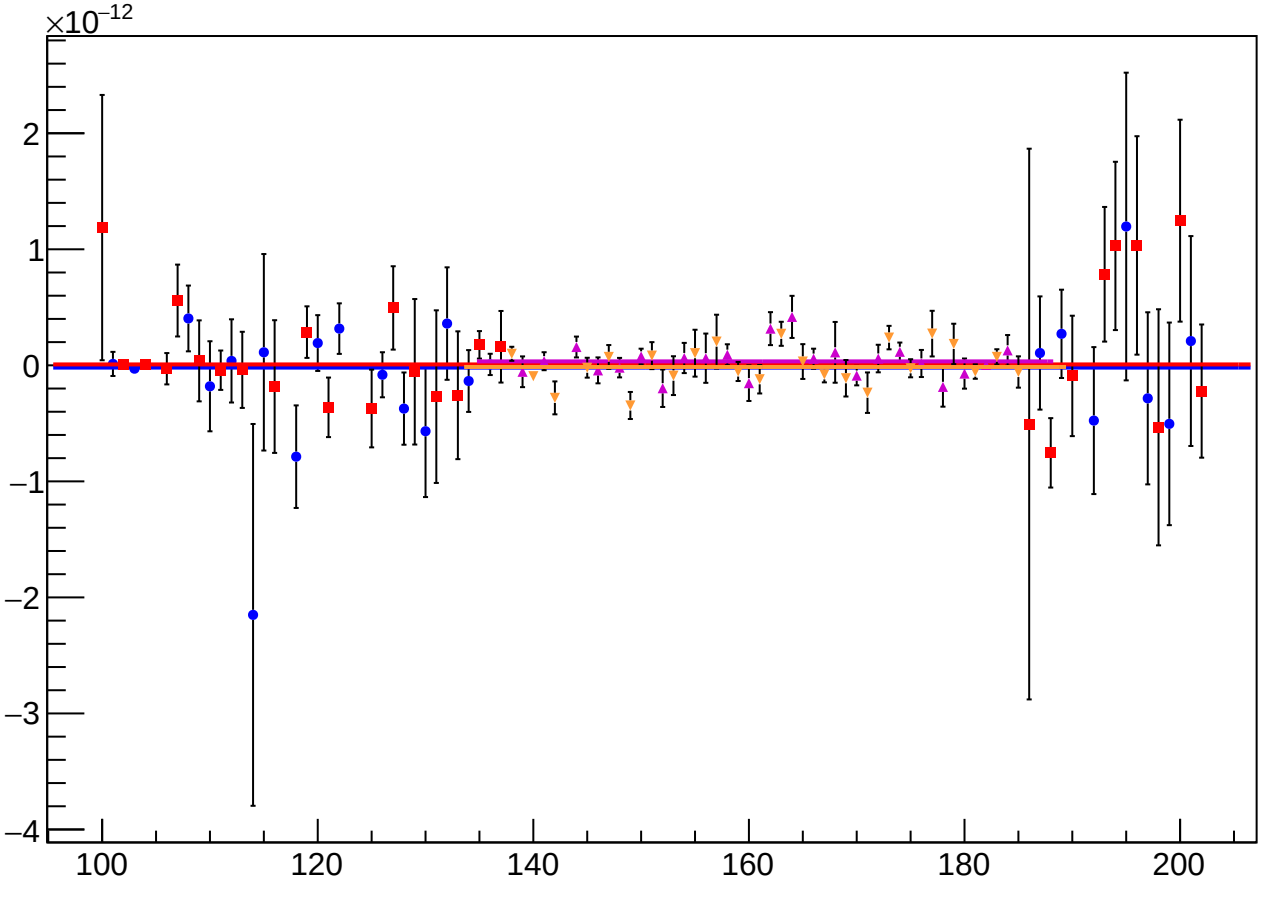
Right: 2630.209+/-0.411 χ^2/NDF: 10841530.1/49

In: 3107.523+/-0.426 χ^2/NDF:7738737.7/45

Out: 3116.762+/-0.416 χ^2/NDF:7957349.4/50

All: 3112.252+/-0.298 χ^2/NDF: 15696327.9/9

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

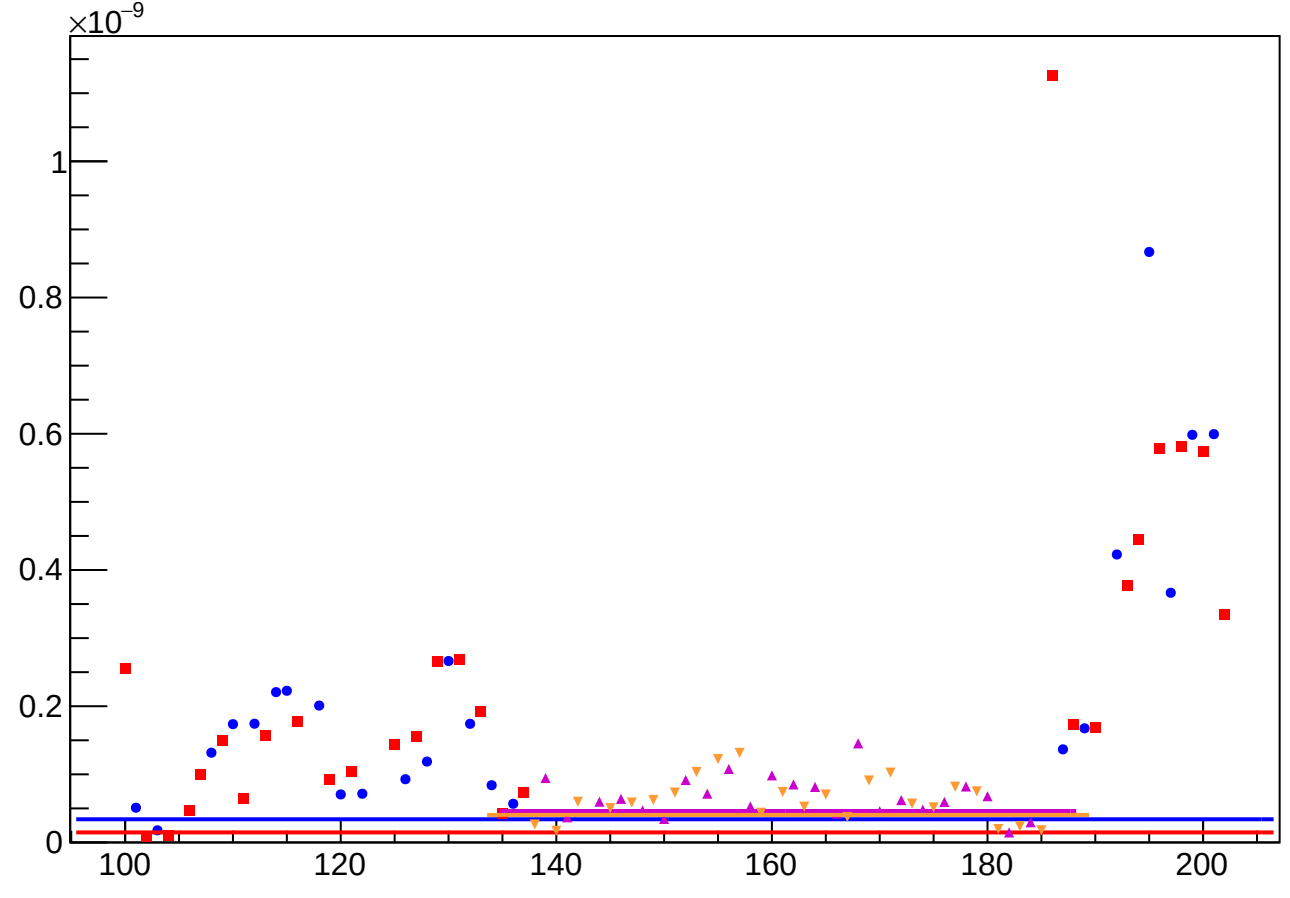
Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

Right: 0.000+/-0.000 χ^2/NDF: 45.1/49

In: 0.000+/-0.000 χ^2/NDF:41.8/45

Out: -0.000+/-0.000 χ^2/NDF:74.1/50

All: 0.000+/-0.000 χ^2/NDF: 116.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 6926451.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9125216.3/26

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

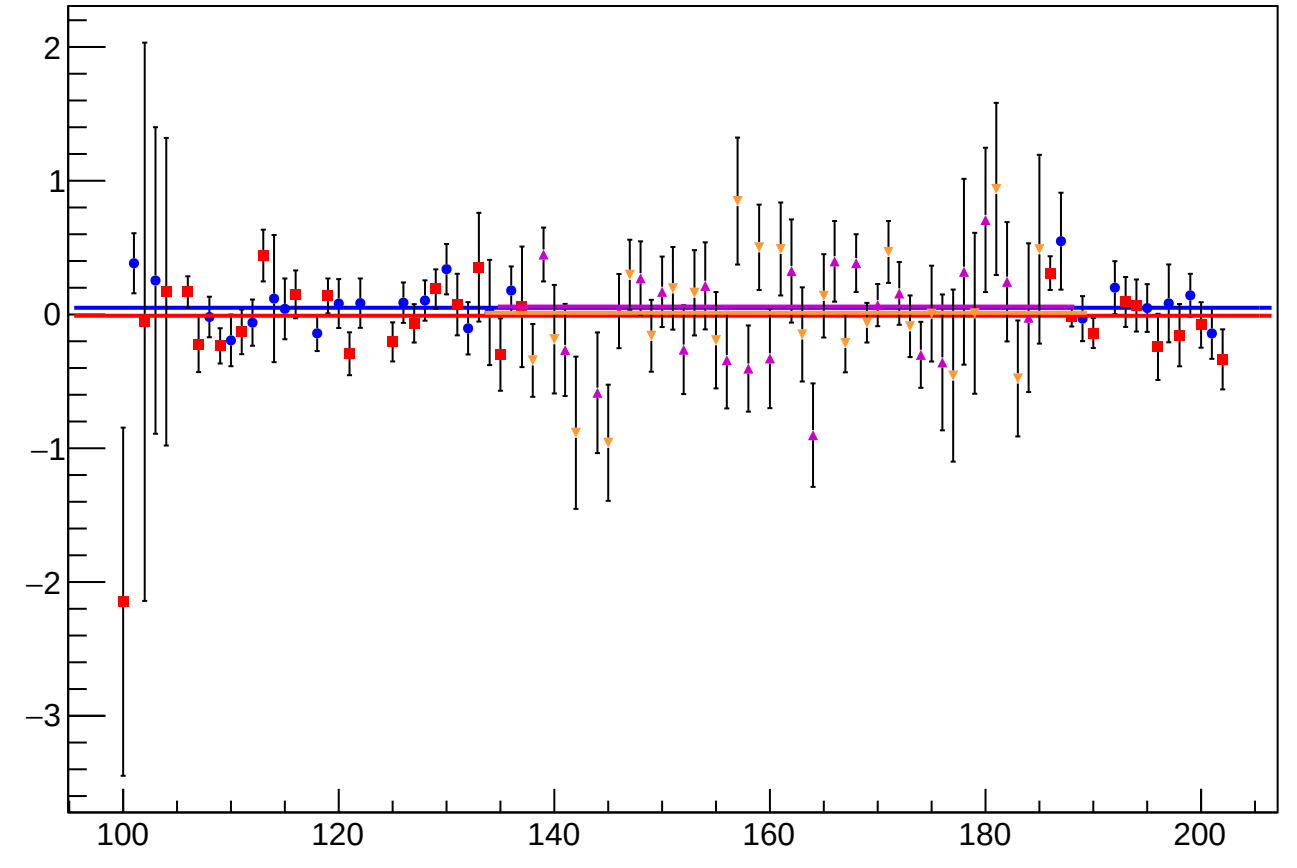
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 16917224.1/49

In: 0.000+/-0.000 χ^2/NDF:10162616.8/45

Out: 0.000+/-0.000 χ^2/NDF:14888866.8/50

All: 0.000+/-0.000 χ^2/NDF: 26515857.0/96



Right In: 0.050+/-0.040 χ^2/NDF: 14.4/22

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

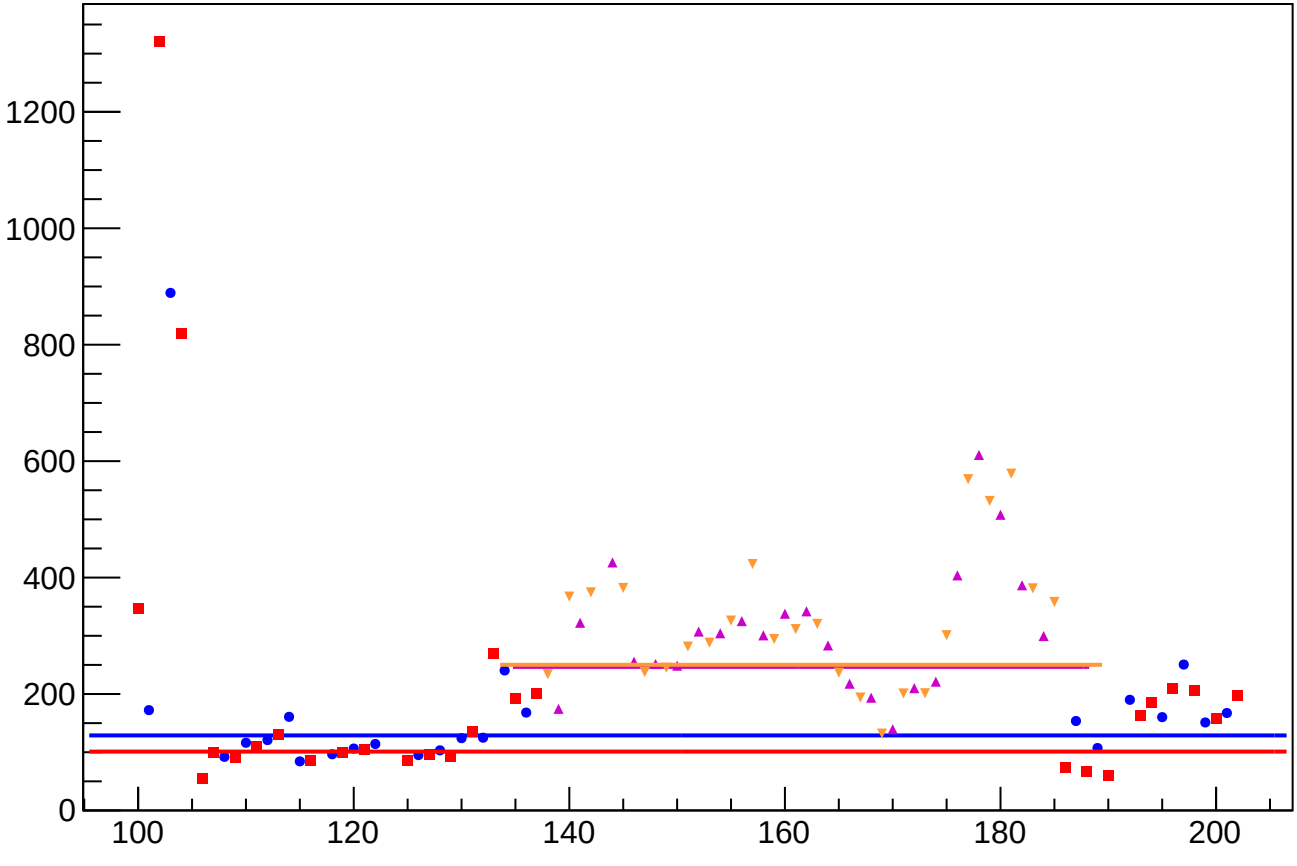
Right: 0.014+/-0.025 χ^2/NDF: 53.5/49

In: 0.053+/-0.034 χ^2/NDF:42.3/45

Out: -0.005+/-0.028 χ^2/NDF:67.2/50

All: 0.019+/-0.022 χ^2/NDF: 111.3/96

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.878+/-0.028 χ^2/NDF: 2515836.7/22

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 101.101+/-0.022 χ^2/NDF: 5436742.7/26

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

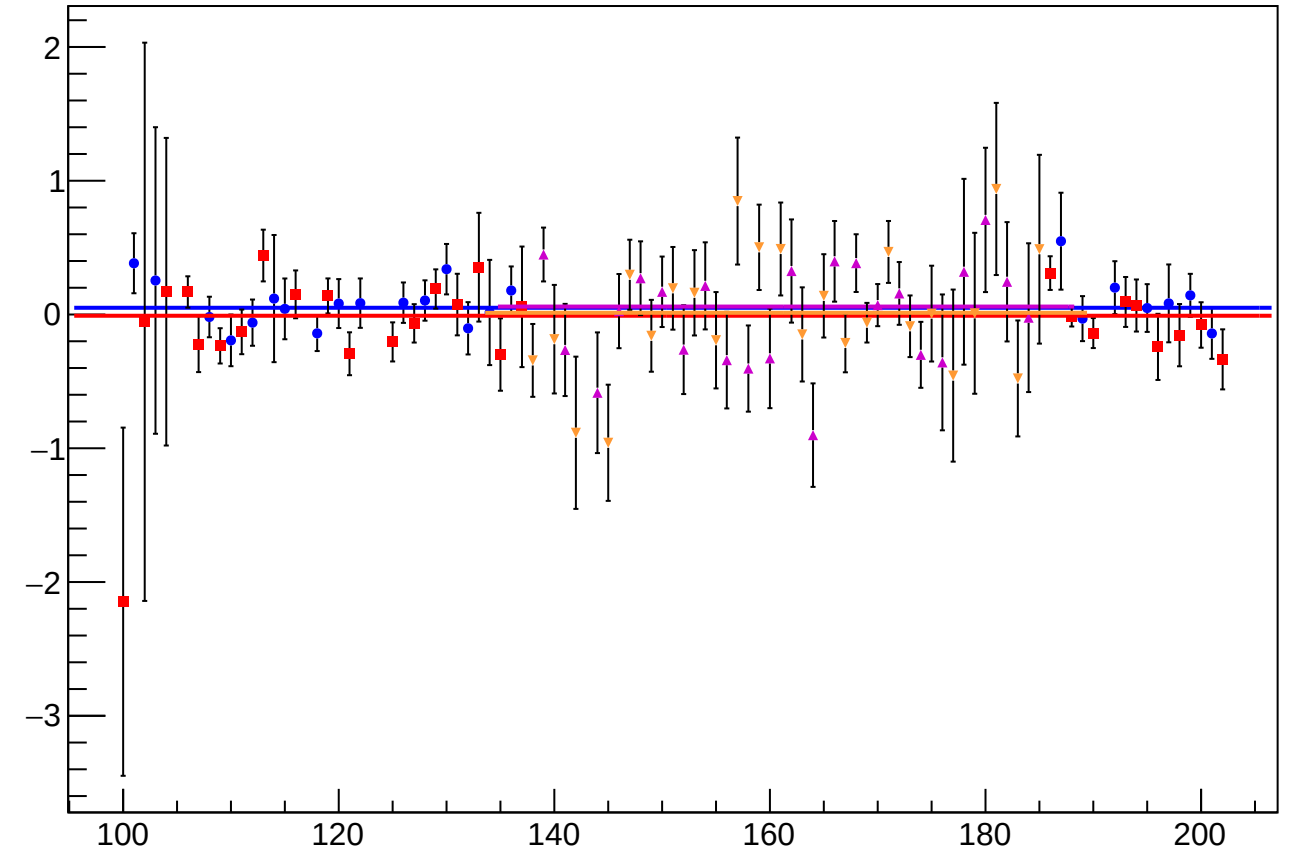
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 111.729+/-0.018 χ^2/NDF: 8545151.2/49

In: 163.594+/-0.024 χ^2/NDF:11374439.3/45

Out: 131.024+/-0.020 χ^2/NDF:18747885.3/50

All: 144.464+/-0.015 χ^2/NDF: 31221509.0/96



Right In: 0.050+/-0.040 χ^2/NDF: 14.4/22

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

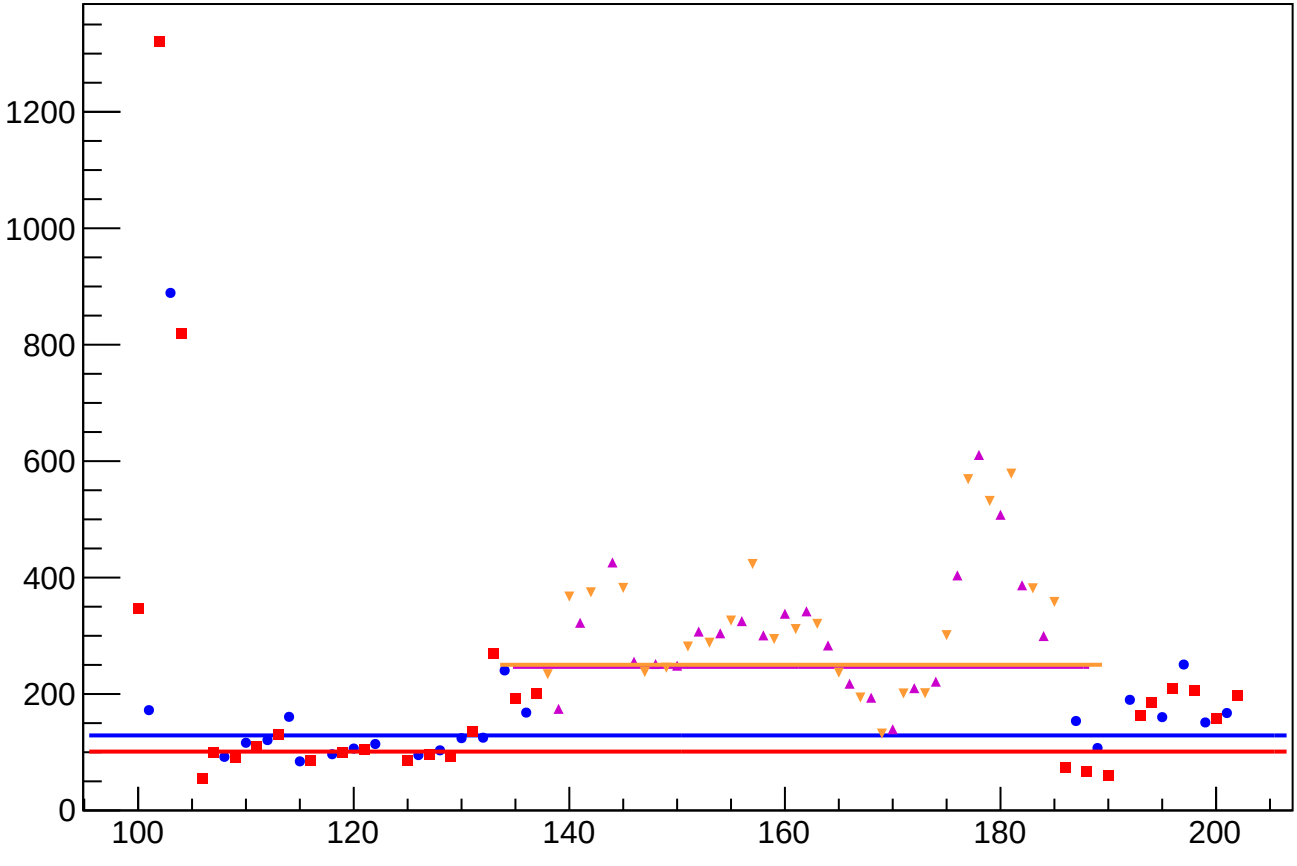
Right: 0.014+/-0.025 χ^2/NDF: 53.5/49

In: 0.053+/-0.034 χ^2/NDF:42.3/45

Out: -0.005+/-0.028 χ^2/NDF:67.2/50

All: 0.019+/-0.022 χ^2/NDF: 111.3/96

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.878+/-0.028 χ^2/NDF: 2515836.7/22

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 101.101+/-0.022 χ^2/NDF: 5436742.7/26

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

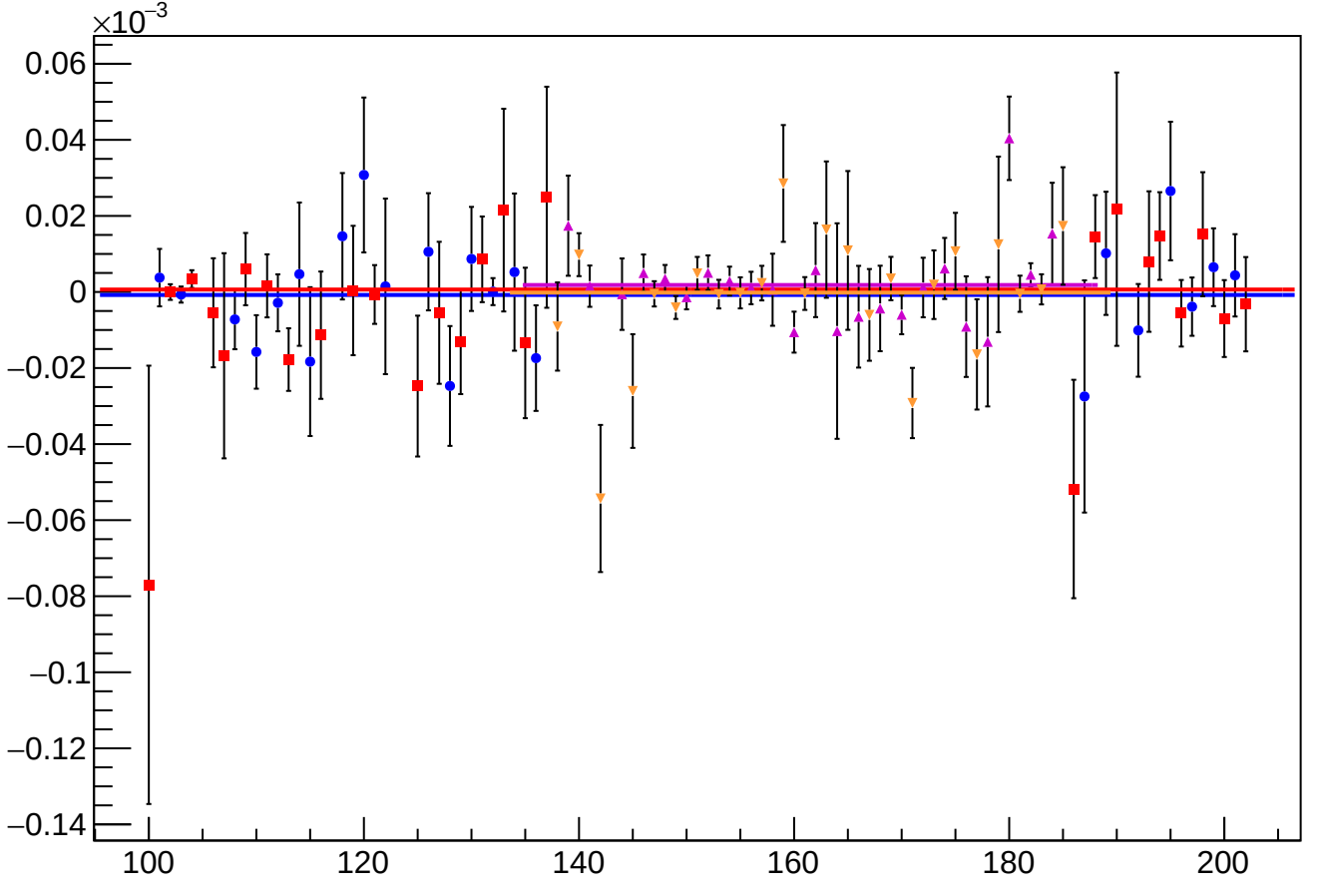
Right: 111.729+/-0.018 χ^2/NDF: 8545151.2/49

In: 163.594+/-0.024 χ^2/NDF:11374439.3/45

Out: 131.024+/-0.020 χ^2/NDF:18747885.3/50

All: 144.464+/-0.015 χ^2/NDF: 31221509.0/96

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: 17.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/26

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

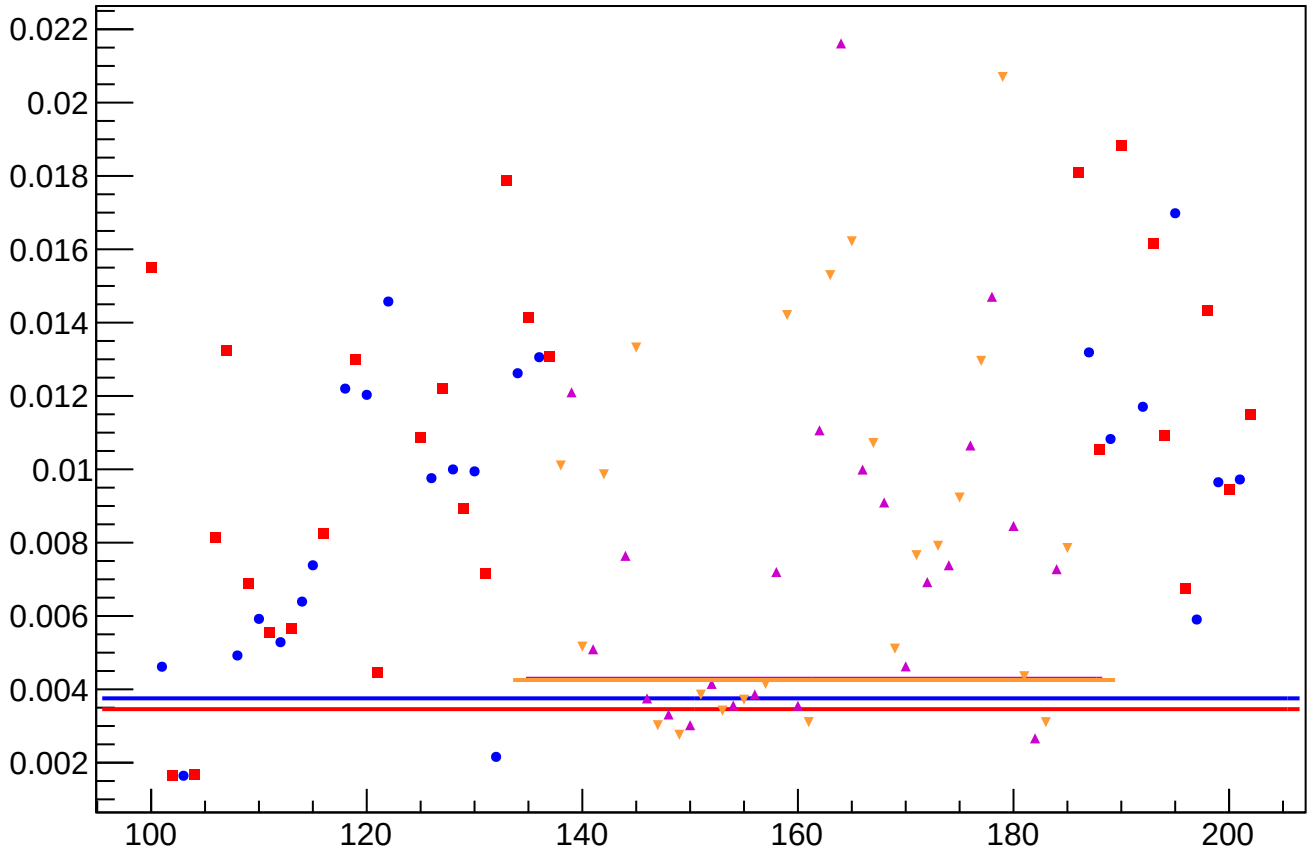
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

Right: 0.000+/-0.000 χ^2/NDF: 42.1/49

In: 0.000+/-0.000 χ^2/NDF:47.6/45

Out: 0.000+/-0.000 χ^2/NDF:61.4/50

All: 0.000+/-0.000 χ^2/NDF: 109.2/96



Right In: 0.004+/-0.000 χ^2/NDF: 10248549.7/22

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 13489938.1/26

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

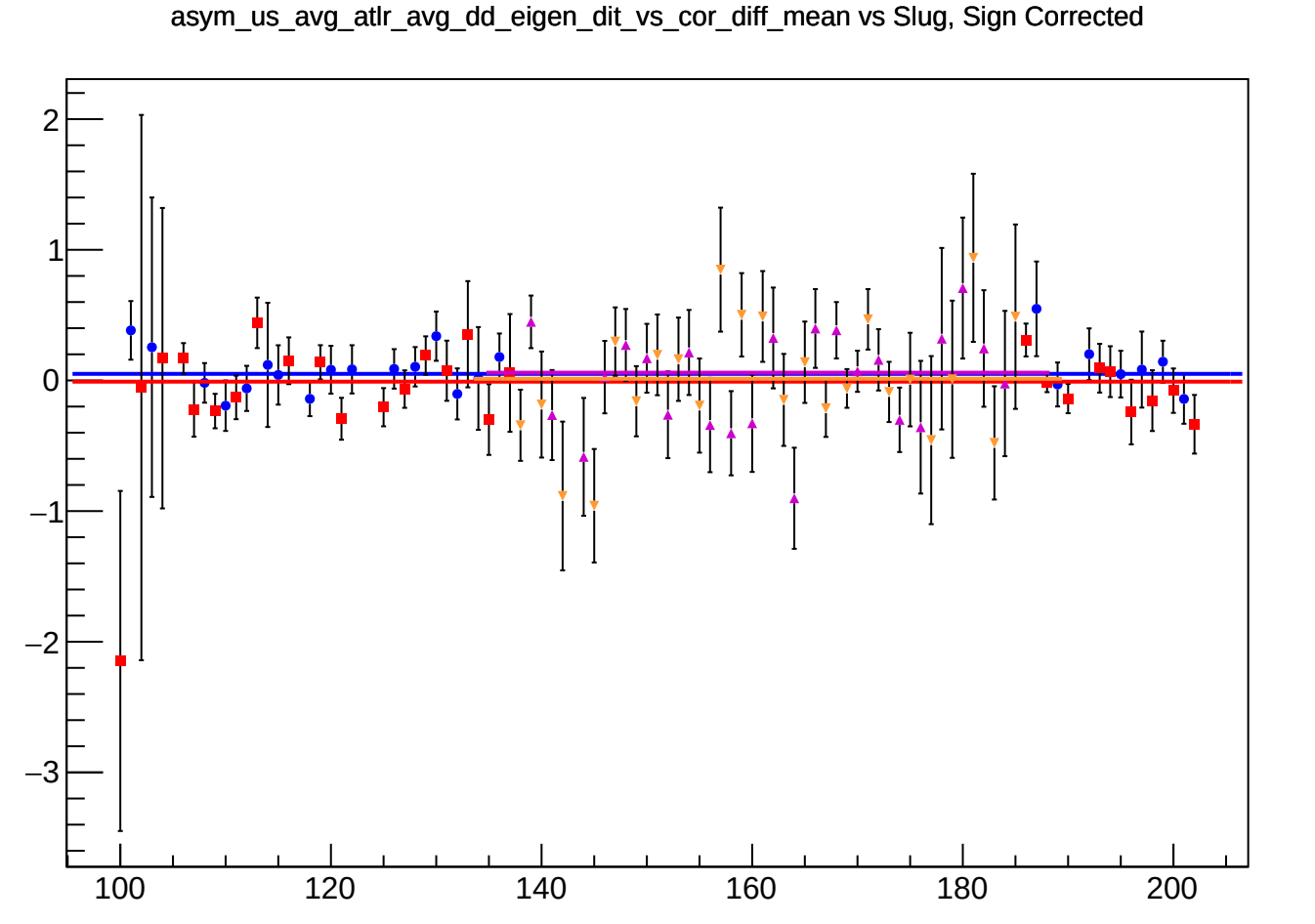
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.004+/-0.000 χ^2/NDF: 23782027.4/49

In: 0.004+/-0.000 χ^2/NDF:17004750.0/45

Out: 0.004+/-0.000 χ^2/NDF:22385773.5/50

All: 0.004+/-0.000 χ^2/NDF: 39427750.5/96



Right In: 0.050+/-0.040 χ^2/NDF: 14.4/22

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

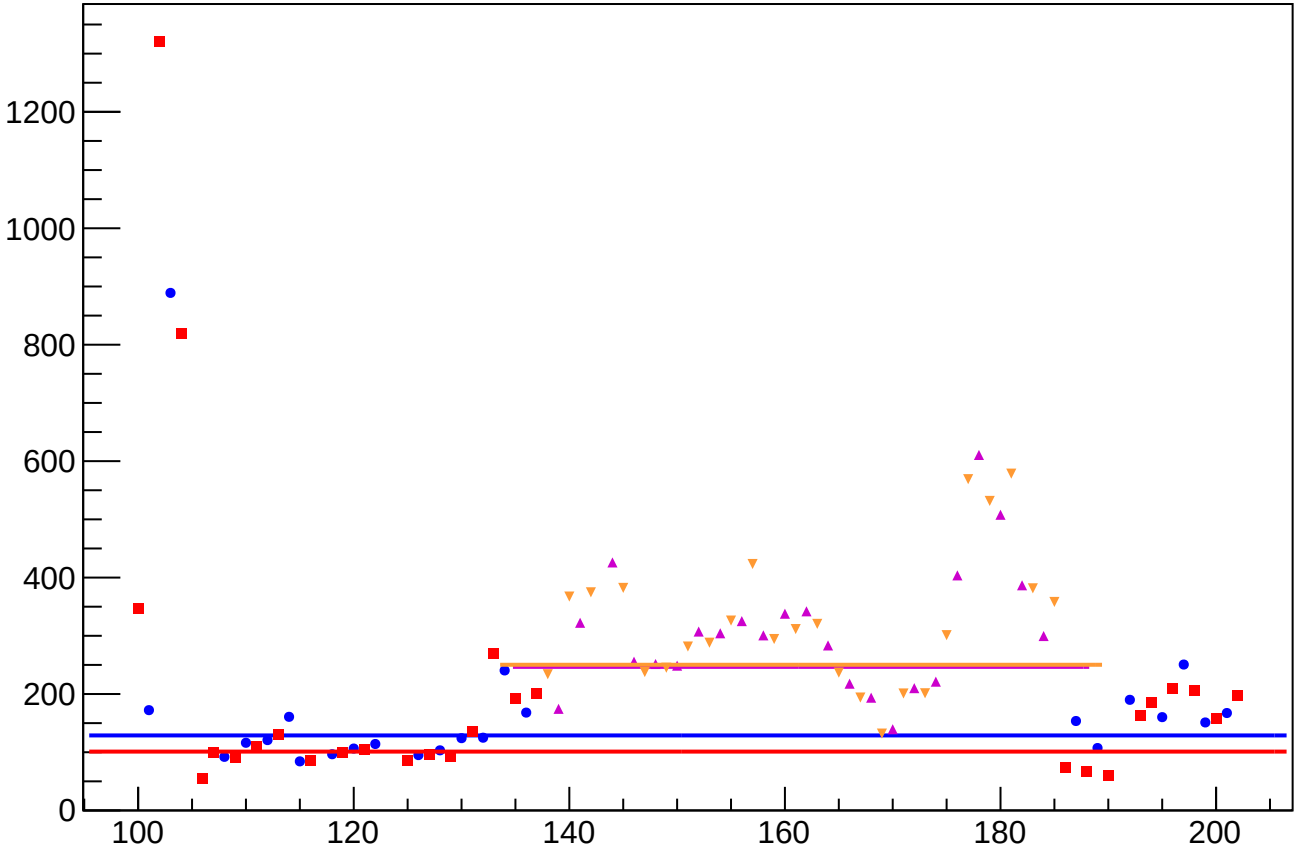
Right: 0.014+/-0.025 χ^2/NDF: 53.5/49

In: 0.053+/-0.034 χ^2/NDF:42.3/45

Out: -0.005+/-0.028 χ^2/NDF:67.2/50

All: 0.019+/-0.022 χ^2/NDF: 111.3/96

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.877+/-0.028 χ^2/NDF: 2515853.1/22

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 101.096+/-0.022 χ^2/NDF: 5437268.3/26

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

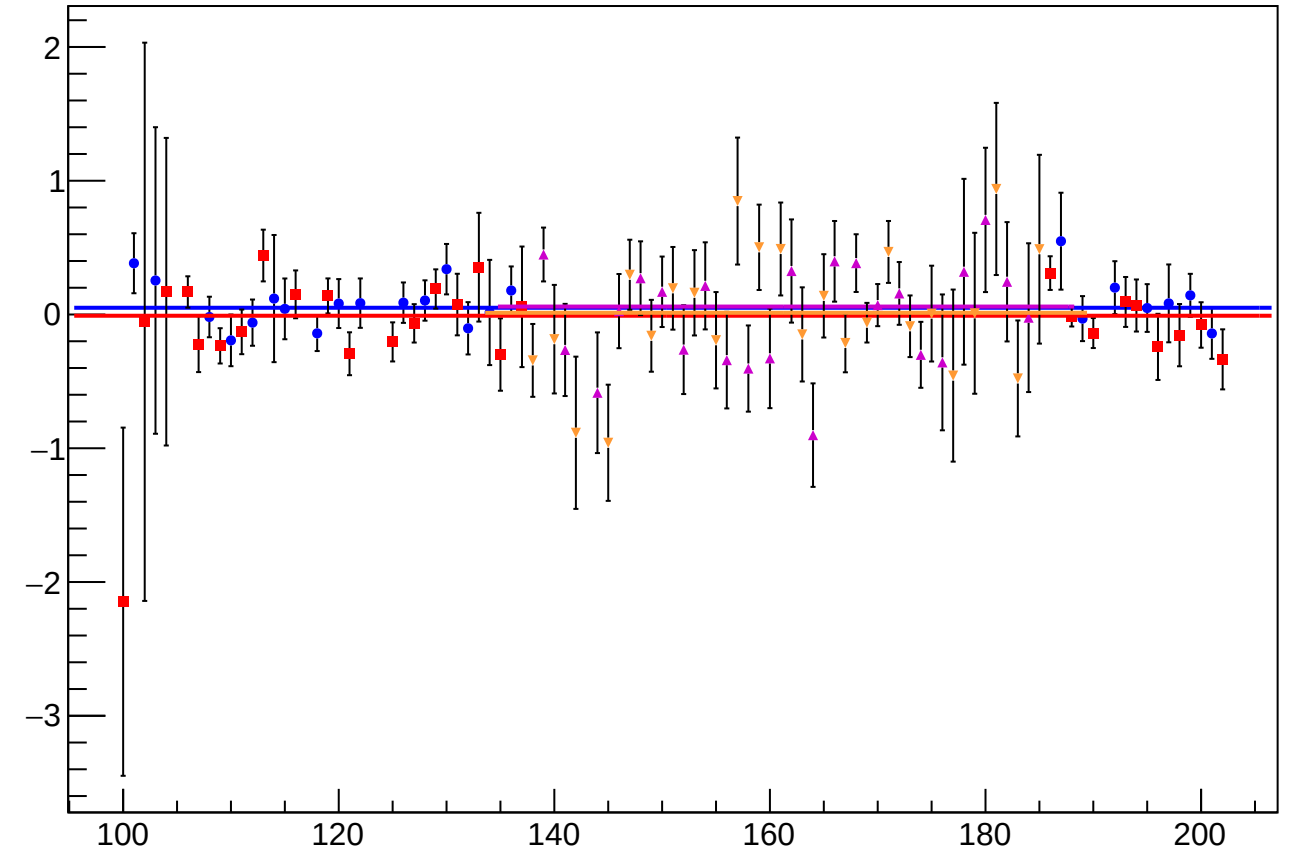
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 111.726+/-0.018 χ^2/NDF: 8545878.3/49

In: 163.593+/-0.024 χ^2/NDF:11374683.7/45

Out: 131.018+/-0.020 χ^2/NDF:18749233.7/50

All: 144.460+/-0.015 χ^2/NDF: 31223442.1/96



Right In: 0.050+/-0.040 χ^2/NDF: 14.4/22

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

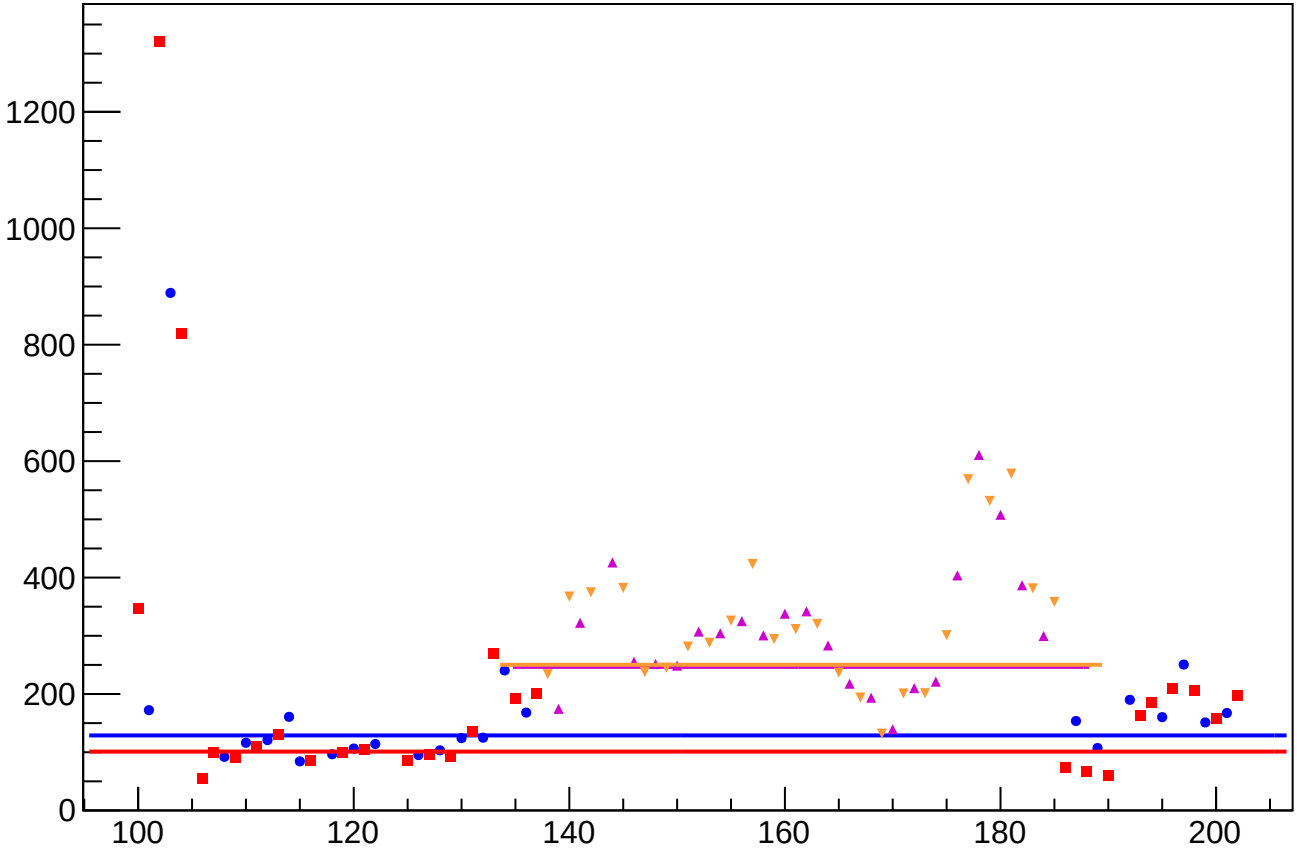
Right: 0.014+/-0.025 χ^2/NDF: 53.5/49

In: 0.053+/-0.034 χ^2/NDF:42.3/45

Out: -0.005+/-0.028 χ^2/NDF:67.2/50

All: 0.019+/-0.022 χ^2/NDF: 111.3/96

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.877+/-0.028 χ^2/NDF: 2515853.1/22

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 101.096+/-0.022 χ^2/NDF: 5437268.3/26

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

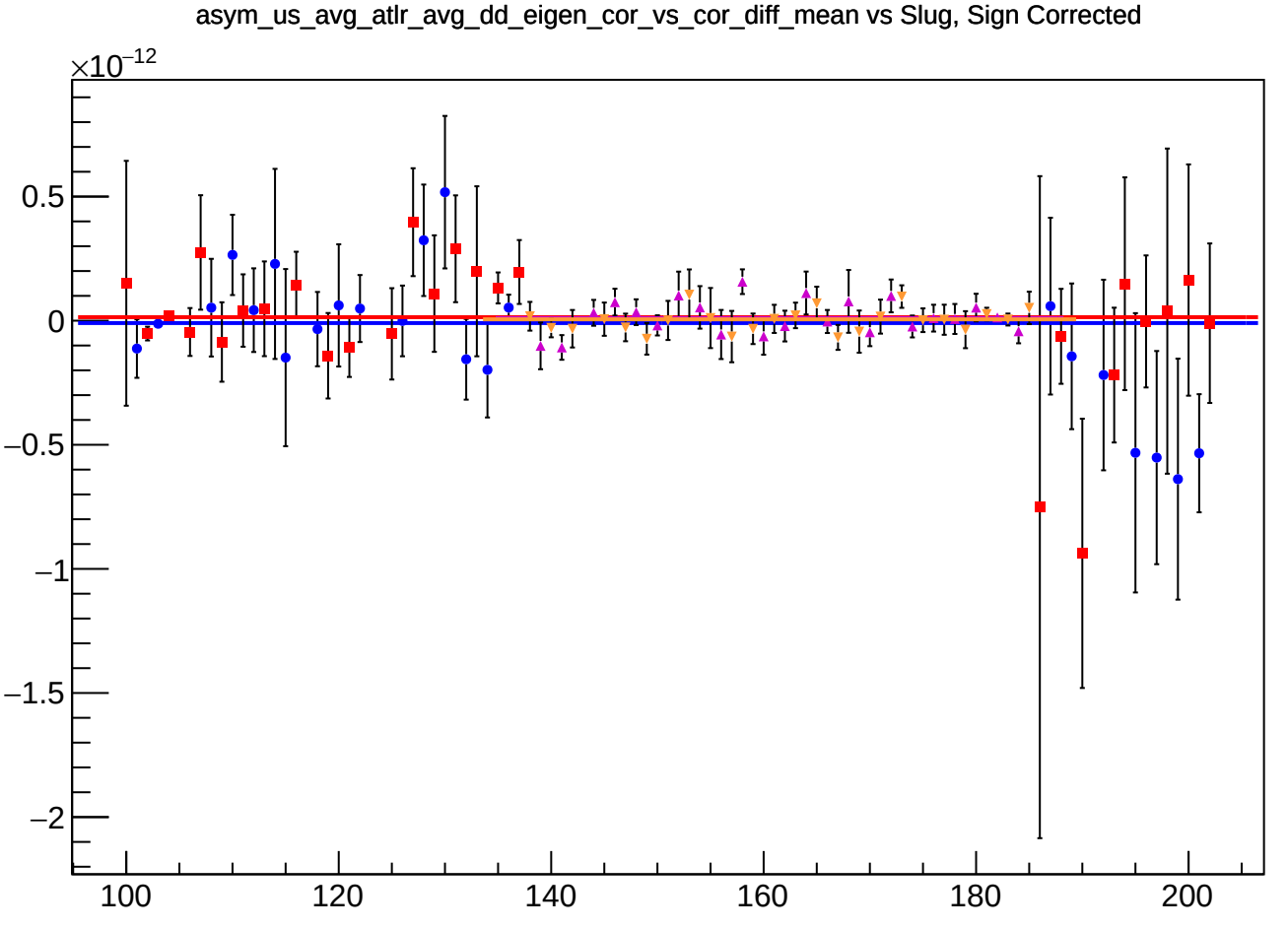
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

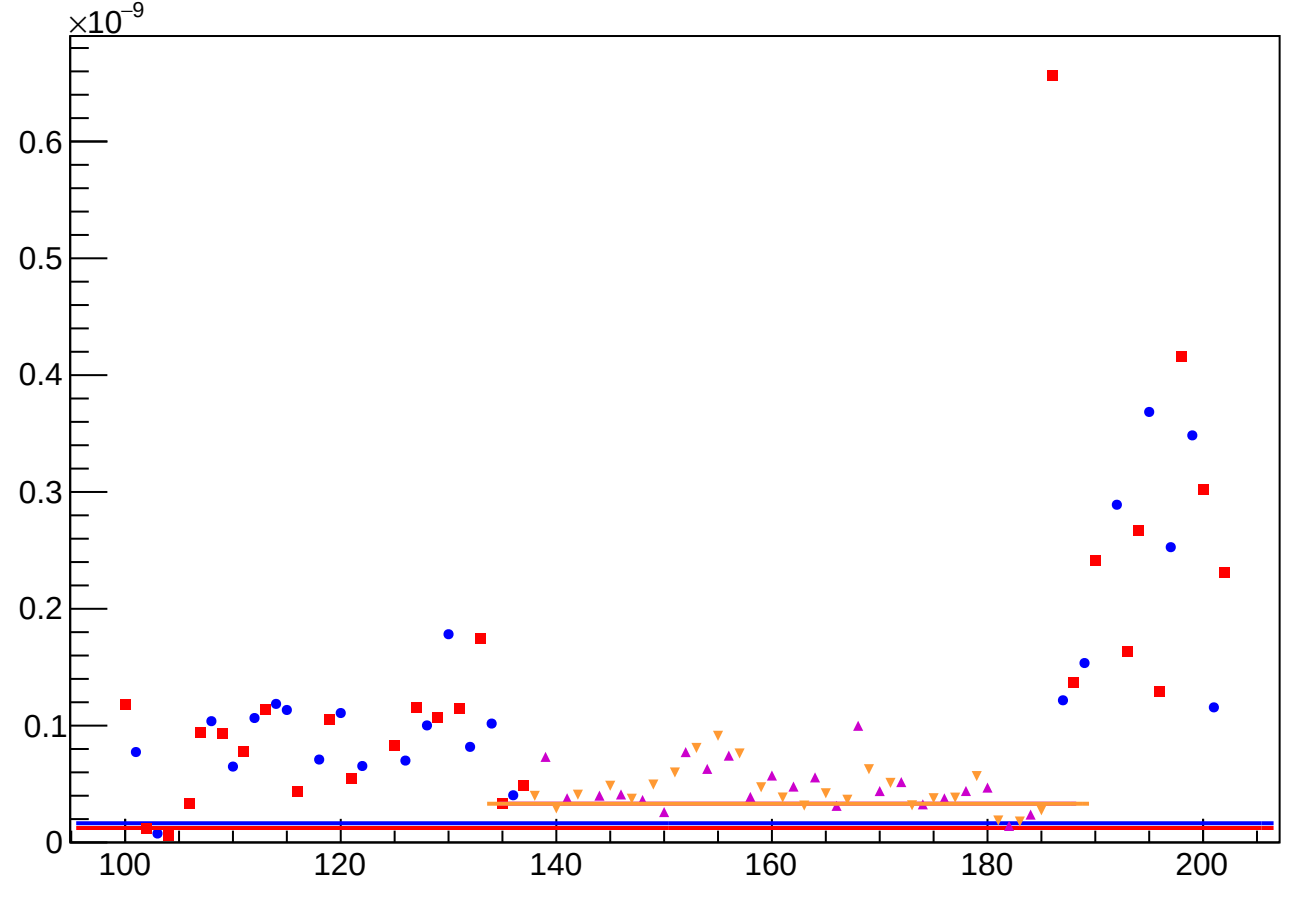
Right: 111.726+/-0.018 χ^2/NDF: 8545878.3/49

In: 163.593+/-0.024 χ^2/NDF:11374683.7/45

Out: 131.018+/-0.020 χ^2/NDF:18749233.7/50

All: 144.460+/-0.015 χ^2/NDF: 31223442.1/96


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.6/22
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.4/26
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.8/46
Right: 0.000+/-0.000 χ²/NDF: 51.3/49
In: 0.000+/-0.000 χ²/NDF:52.0/45
Out: 0.000+/-0.000 χ²/NDF:40.6/50
All: 0.000+/-0.000 χ²/NDF: 93.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 10214768.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11744224.6/26

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

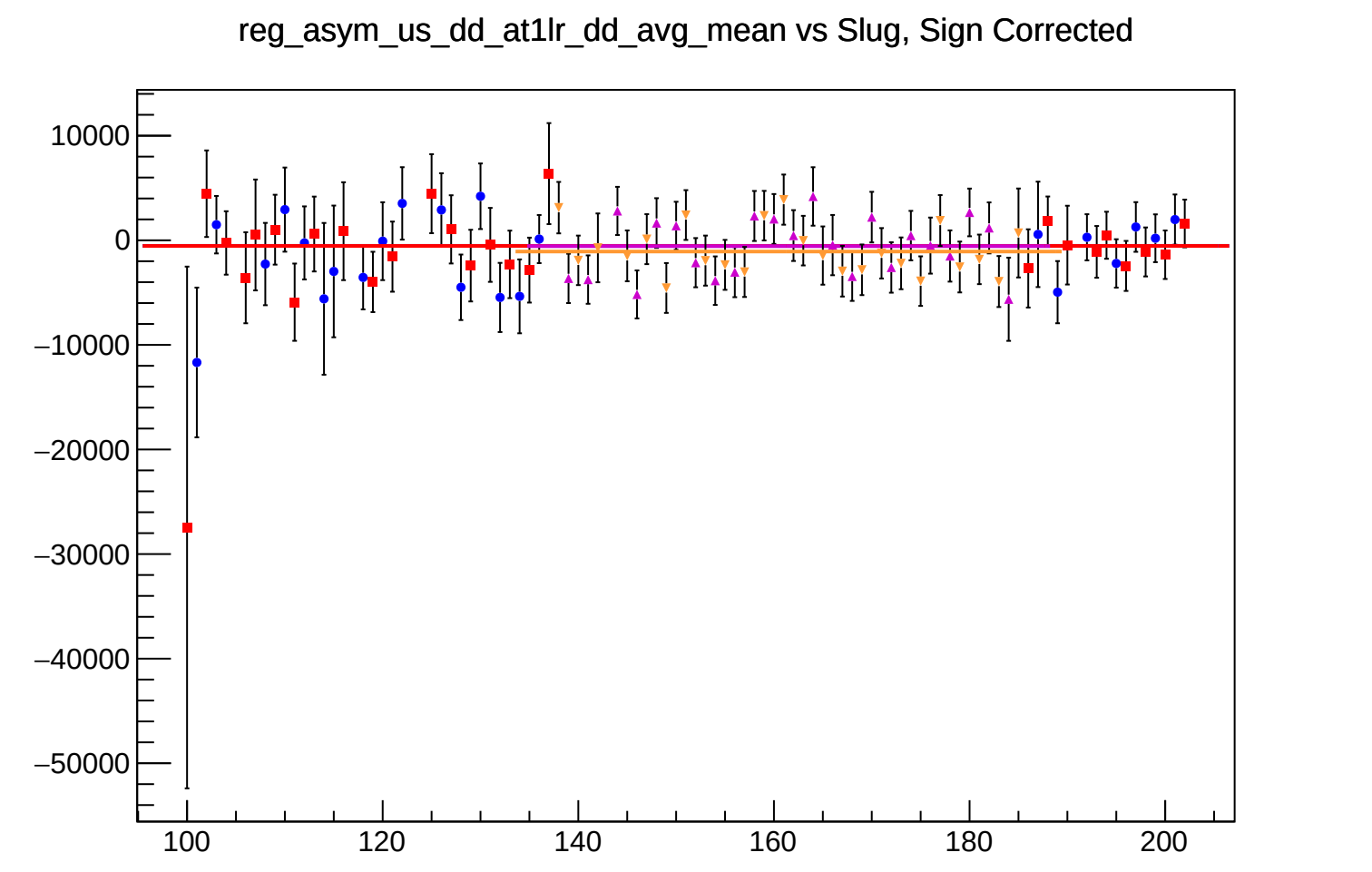
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 22090480.8/49

In: 0.000+/-0.000 χ^2/NDF:17367832.7/45

Out: 0.000+/-0.000 χ^2/NDF:19958106.5/50

All: 0.000+/-0.000 χ^2/NDF: 37619176.4/96



Right In: -531.488+/-645.339 χ^2/NDF: 20.7/22

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -538.038+/-603.206 χ^2/NDF: 15.8/26

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

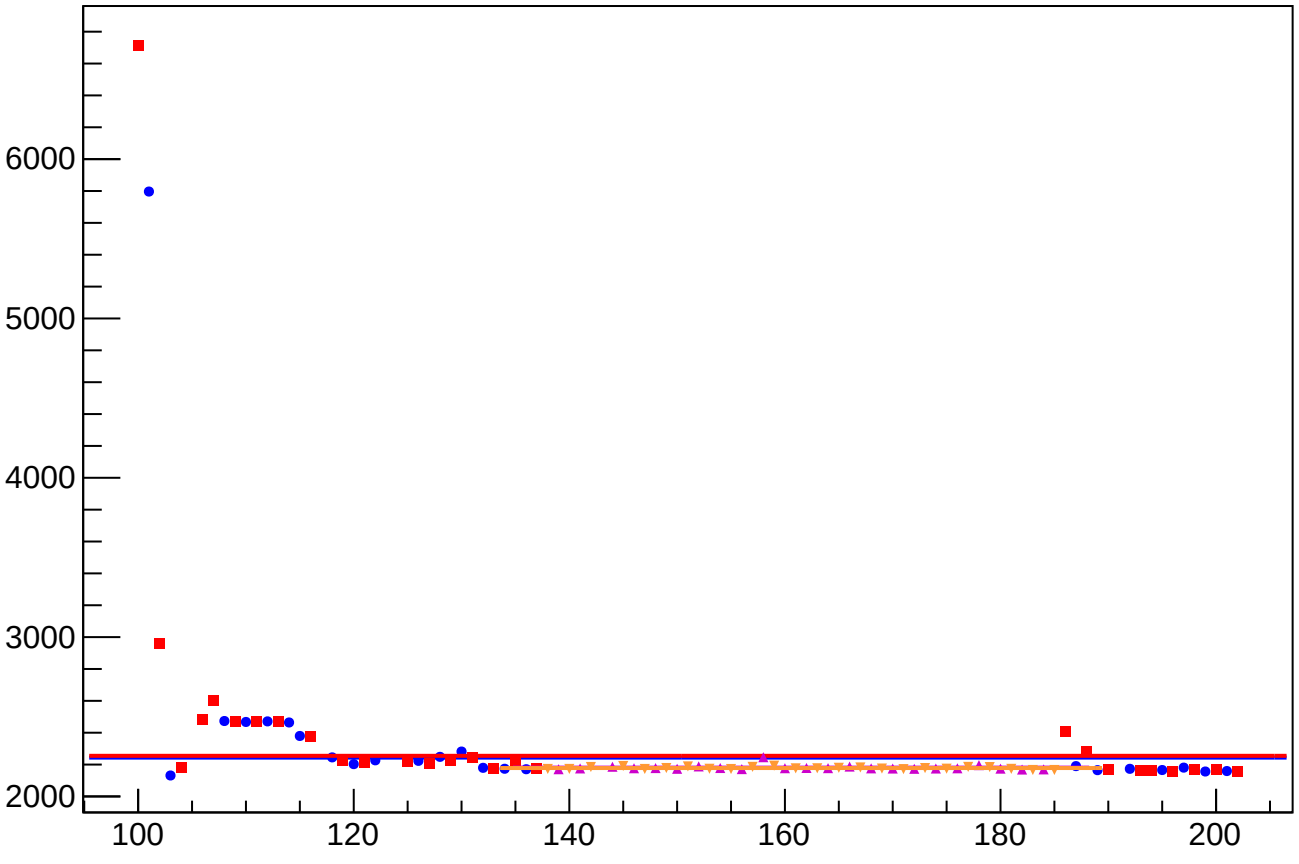
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -534.984+/-440.674 χ^2/NDF: 36.4/49

In: -547.243+/-399.750 χ^2/NDF:49.3/45

Out: -852.201+/-387.456 χ^2/NDF:37.8/50

All: -704.484+/-278.218 χ^2/NDF: 87.4/96



Right In: 2243.745+/-0.456 χ^2/NDF: 537270.4/22

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2254.971+/-0.427 χ^2/NDF: 186949.5/26

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

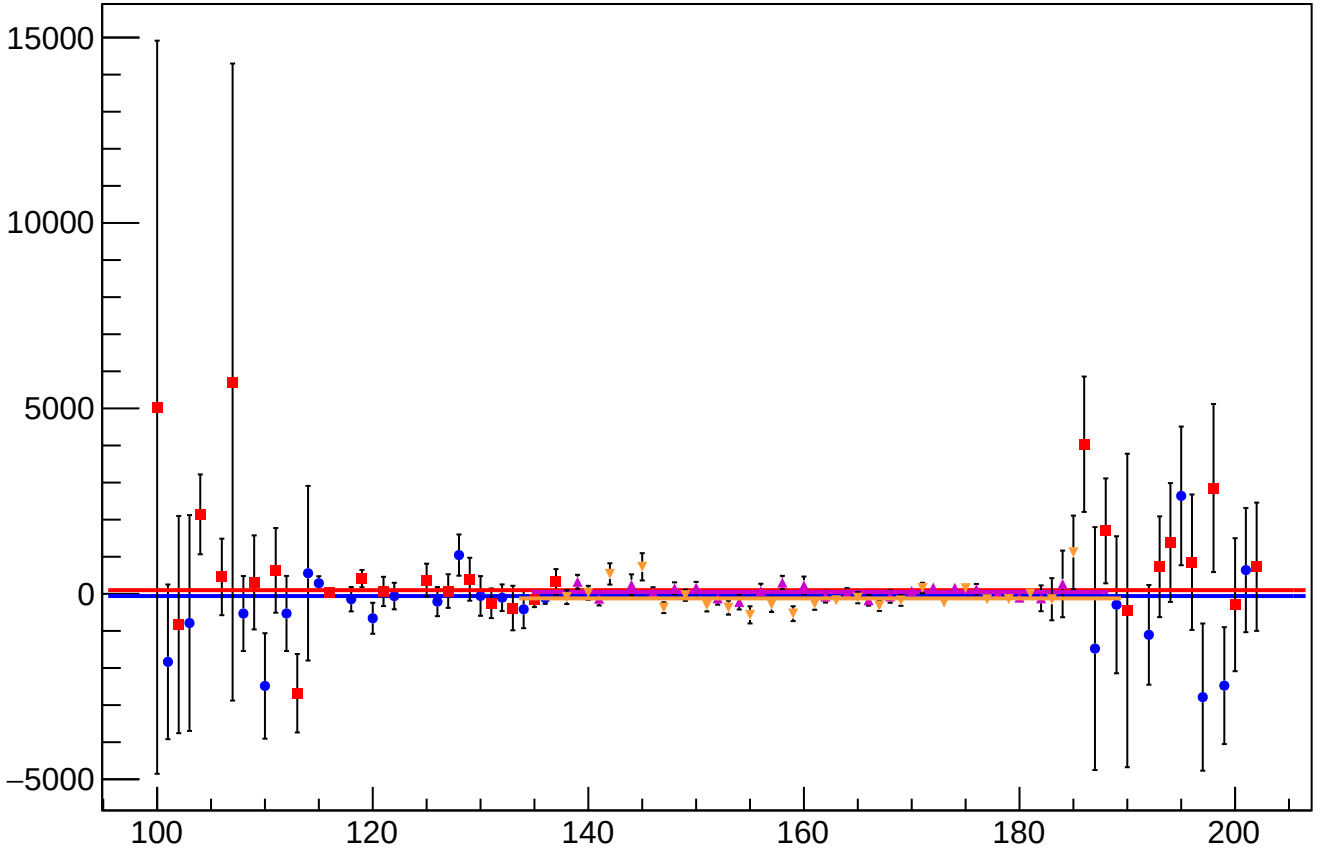
Right: 2249.736+/-0.312 χ^2/NDF: 724542.9/49

In: 2205.026+/-0.283 χ^2/NDF:550818.9/45

Out: 2209.901+/-0.274 χ^2/NDF:206346.6/50

All: 2207.539+/-0.197 χ^2/NDF: 757318.8/96

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -59.679+/-90.085 χ^2/NDF: 21.7/22

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 98.937+/-81.577 χ^2/NDF: 26.4/26

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

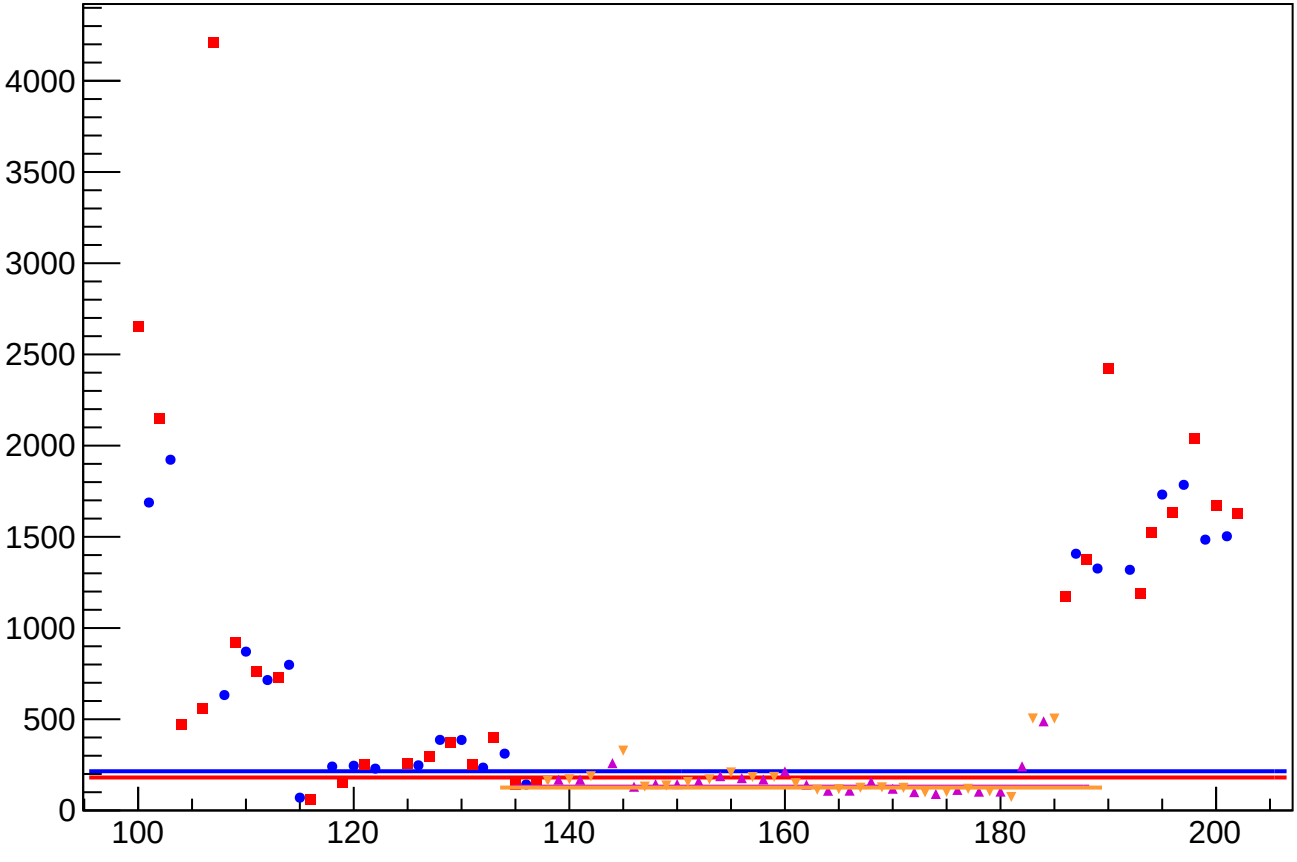
Right: 27.470+/-60.468 χ^2/NDF: 49.8/49

In: 37.618+/-30.609 χ^2/NDF:41.3/45

Out: -94.355+/-29.311 χ^2/NDF:76.6/50

All: -31.226+/-21.170 χ^2/NDF: 127.6/96

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 214.944+/-0.064 χ^2/NDF: 12587186.6/22

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 180.711+/-0.058 χ^2/NDF: 16841673.3/26

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

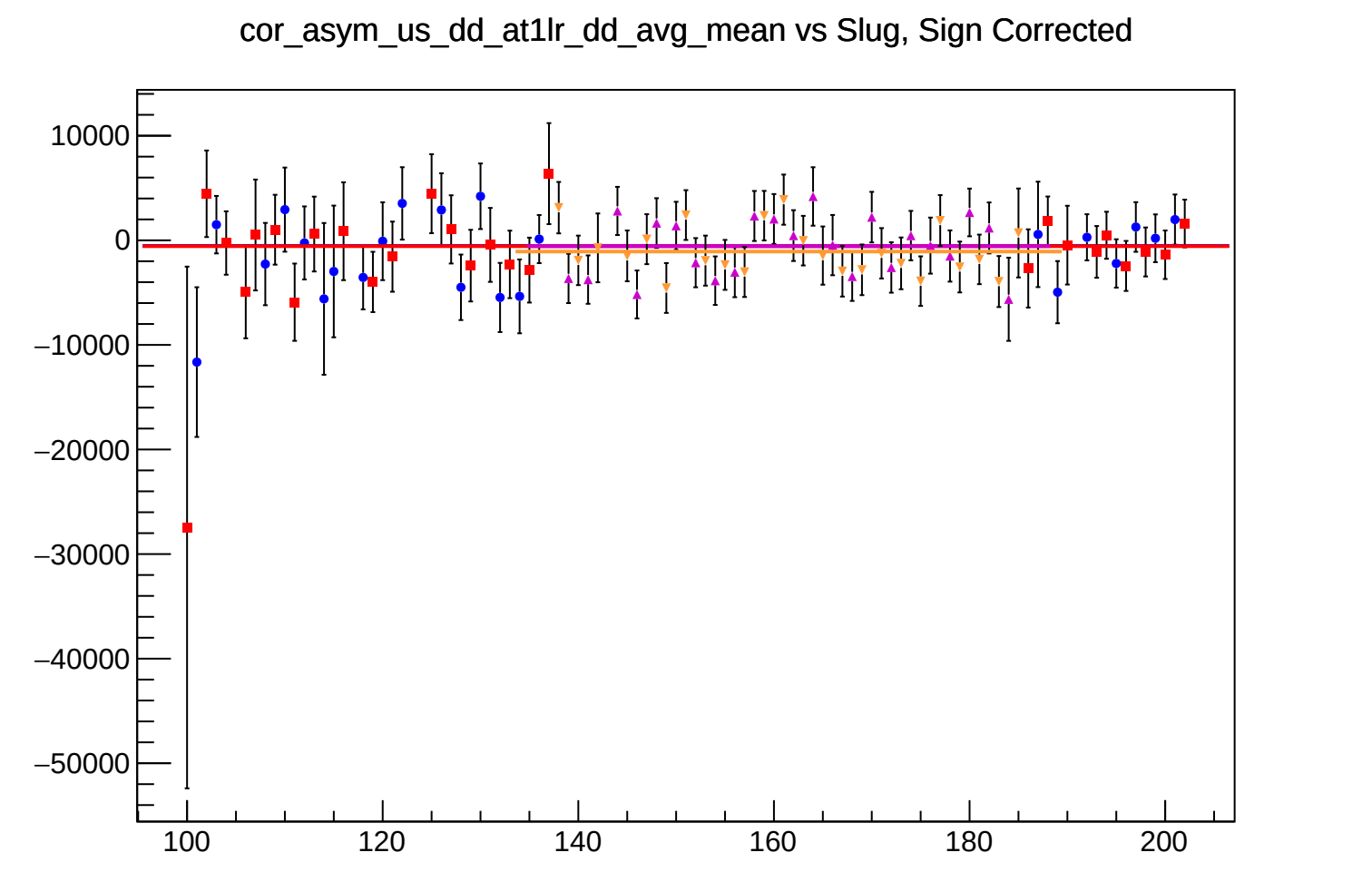
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 196.135+/-0.043 χ^2/NDF: 29587547.5/49

In: 140.193+/-0.022 χ^2/NDF:16823731.4/45

Out: 132.633+/-0.021 χ^2/NDF:21582072.3/50

All: 136.249+/-0.015 χ^2/NDF: 38469441.4/96



Right In: -530.931+/-645.339 χ^2/NDF: 20.6/22

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -560.514+/-603.446 χ^2/NDF: 16.2/26

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

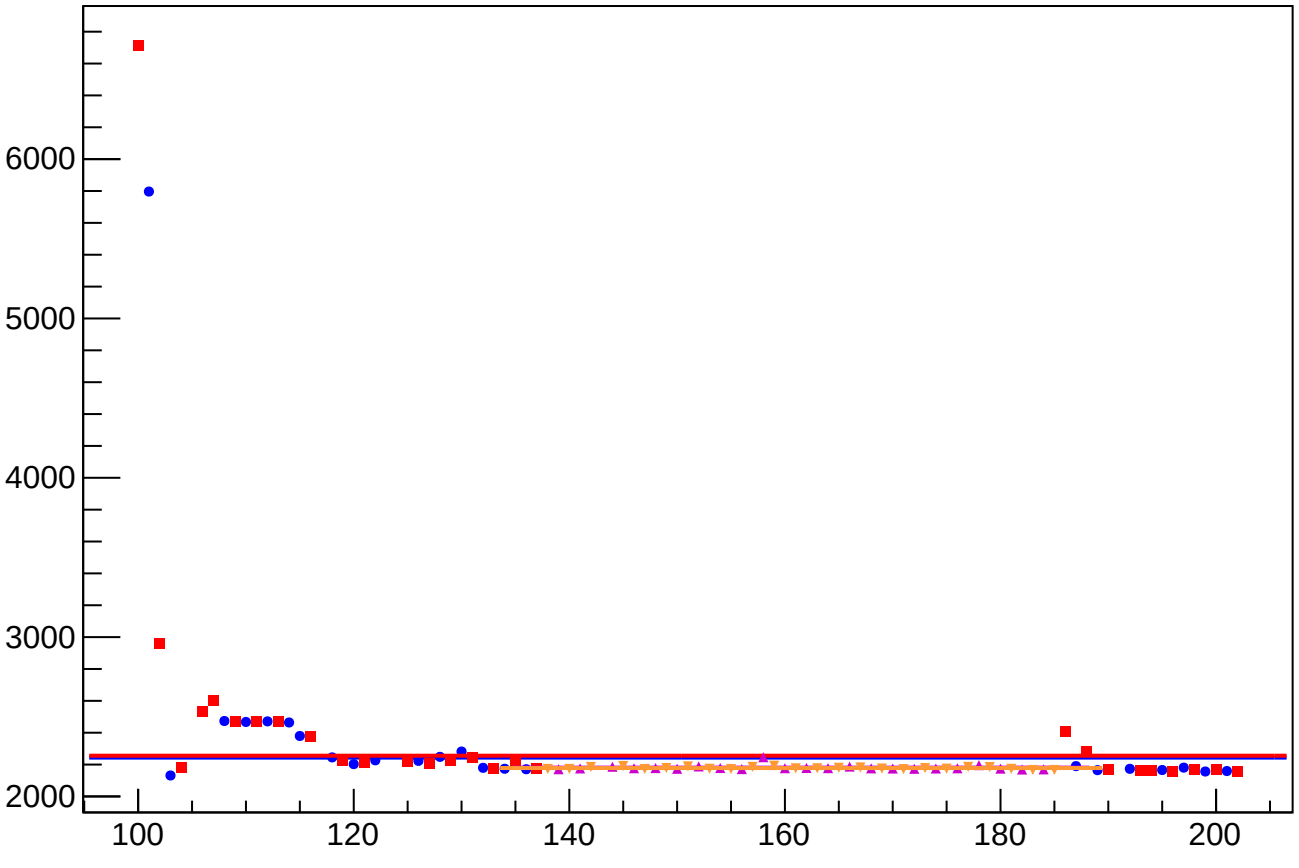
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -546.714+/-440.767 χ^2/NDF: 36.9/49

In: -547.046+/-399.750 χ^2/NDF:49.3/45

Out: -861.534+/-387.520 χ^2/NDF:38.2/50

All: -709.174+/-278.241 χ^2/NDF: 87.9/96



Right In: 2243.745+/-0.456 χ^2/NDF: 537270.7/22

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2255.723+/-0.427 χ^2/NDF: 189327.8/26

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

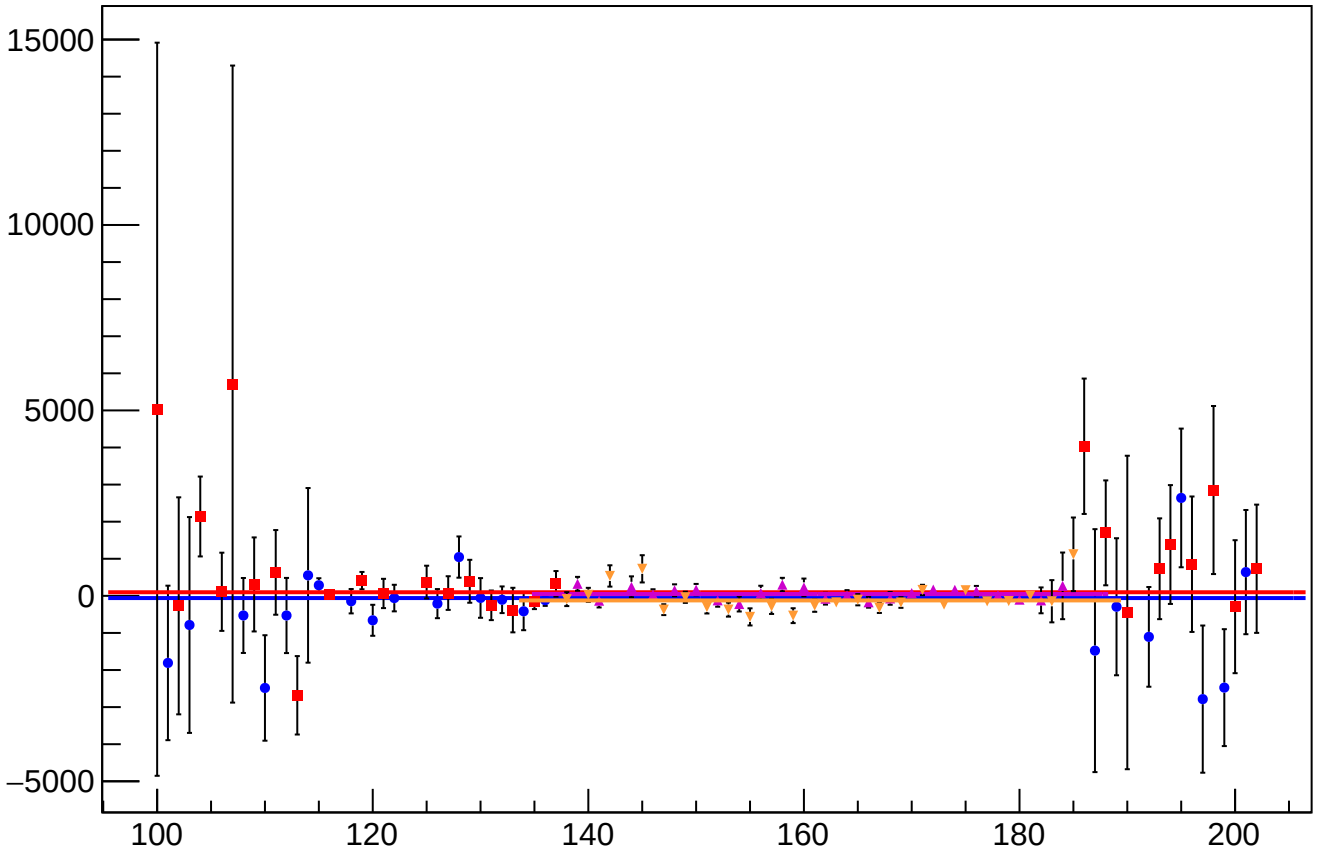
Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

Right: 2250.136+/-0.312 χ^2/NDF: 726966.2/49

In: 2205.026+/-0.283 χ^2/NDF:550819.2/45

Out: 2210.196+/-0.274 χ^2/NDF:209090.5/50

All: 2207.691+/-0.197 χ^2/NDF: 760082.2/96



Right In: -59.713+/-90.090 χ^2/NDF: 21.7/22

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.939+/-81.517 χ^2/NDF: 26.1/26

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

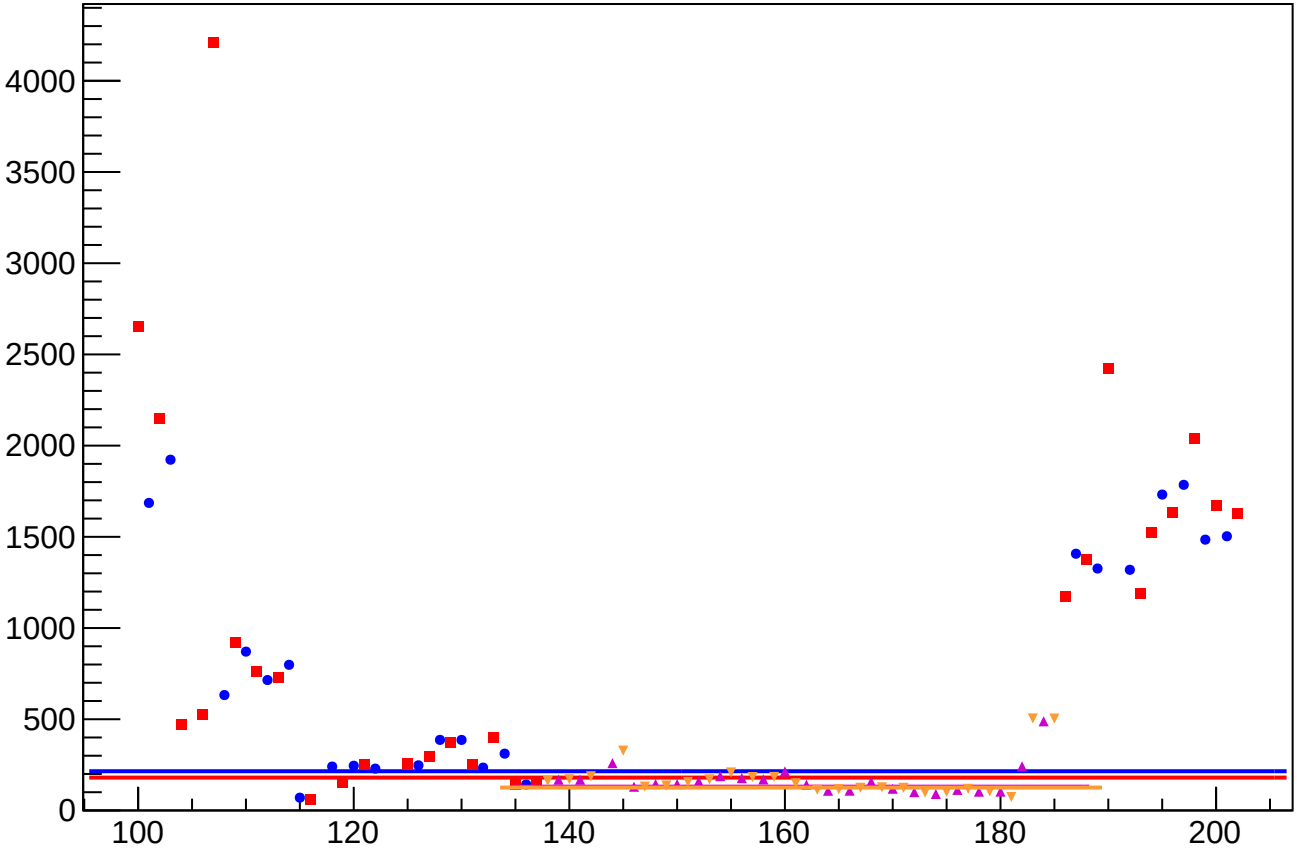
Right: 26.419+/-60.446 χ^2/NDF: 49.5/49

In: 37.518+/-30.612 χ^2/NDF:41.3/45

Out: -94.508+/-29.308 χ^2/NDF:76.3/50

All: -31.366+/-21.170 χ^2/NDF: 127.2/96

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 214.971+/-0.064 χ^2/NDF: 12585771.6/22

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 180.128+/-0.058 χ^2/NDF: 16804829.5/26

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

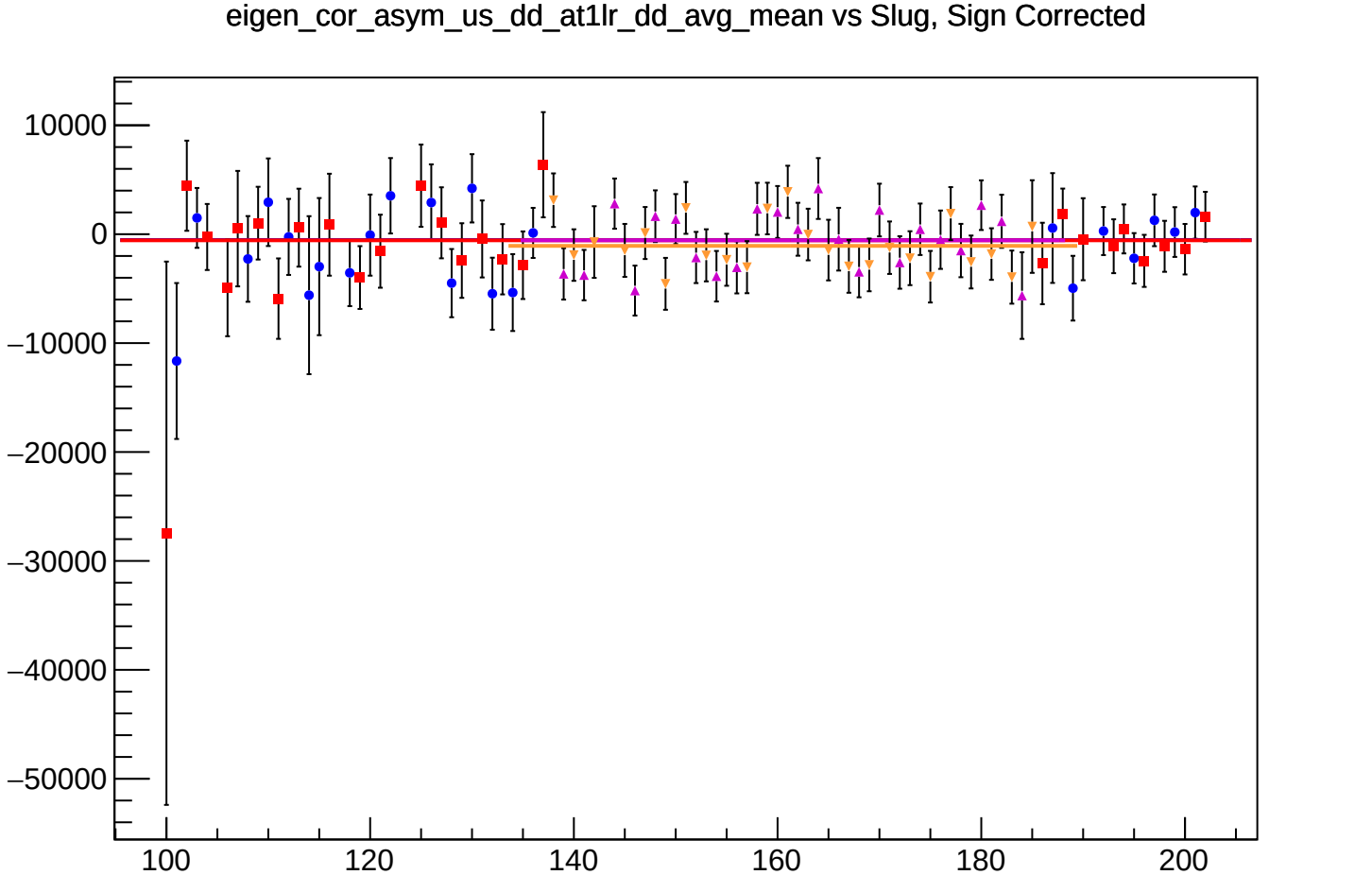
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 195.813+/-0.043 χ^2/NDF: 29555088.6/49

In: 140.209+/-0.022 χ^2/NDF:16822230.3/45

Out: 132.563+/-0.021 χ^2/NDF:21530406.9/50

All: 136.220+/-0.015 χ^2/NDF: 38417734.9/96



Right In: -530.931+/-645.339 χ^2/NDF: 20.6/22

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -560.514+/-603.446 χ^2/NDF: 16.2/26

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

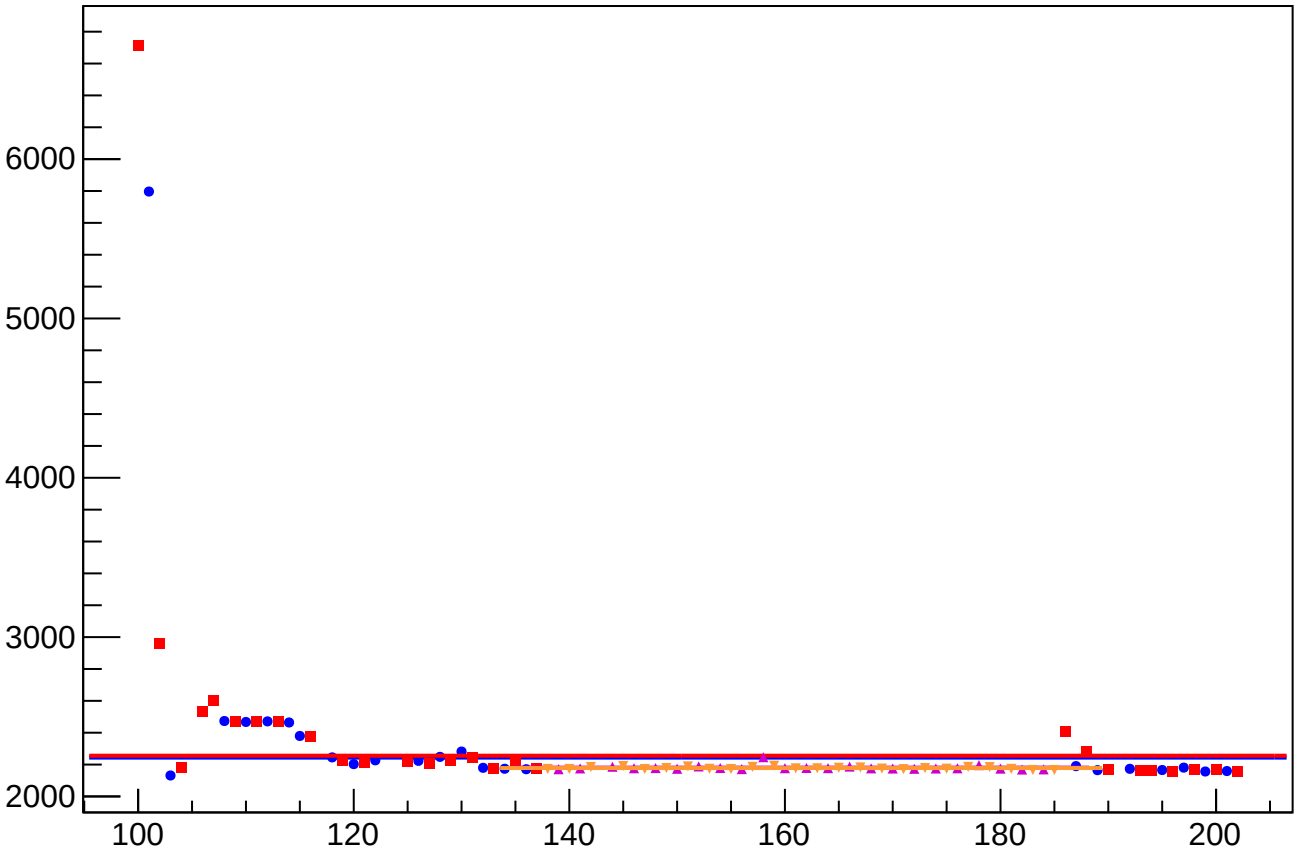
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -546.714+/-440.767 χ^2/NDF: 36.9/49

In: -547.046+/-399.750 χ^2/NDF:49.3/45

Out: -861.534+/-387.520 χ^2/NDF:38.2/50

All: -709.174+/-278.241 χ^2/NDF: 87.9/96



Right In: 2243.745+/-0.456 χ^2/NDF: 537270.7/22

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2255.723+/-0.427 χ^2/NDF: 189327.8/26

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

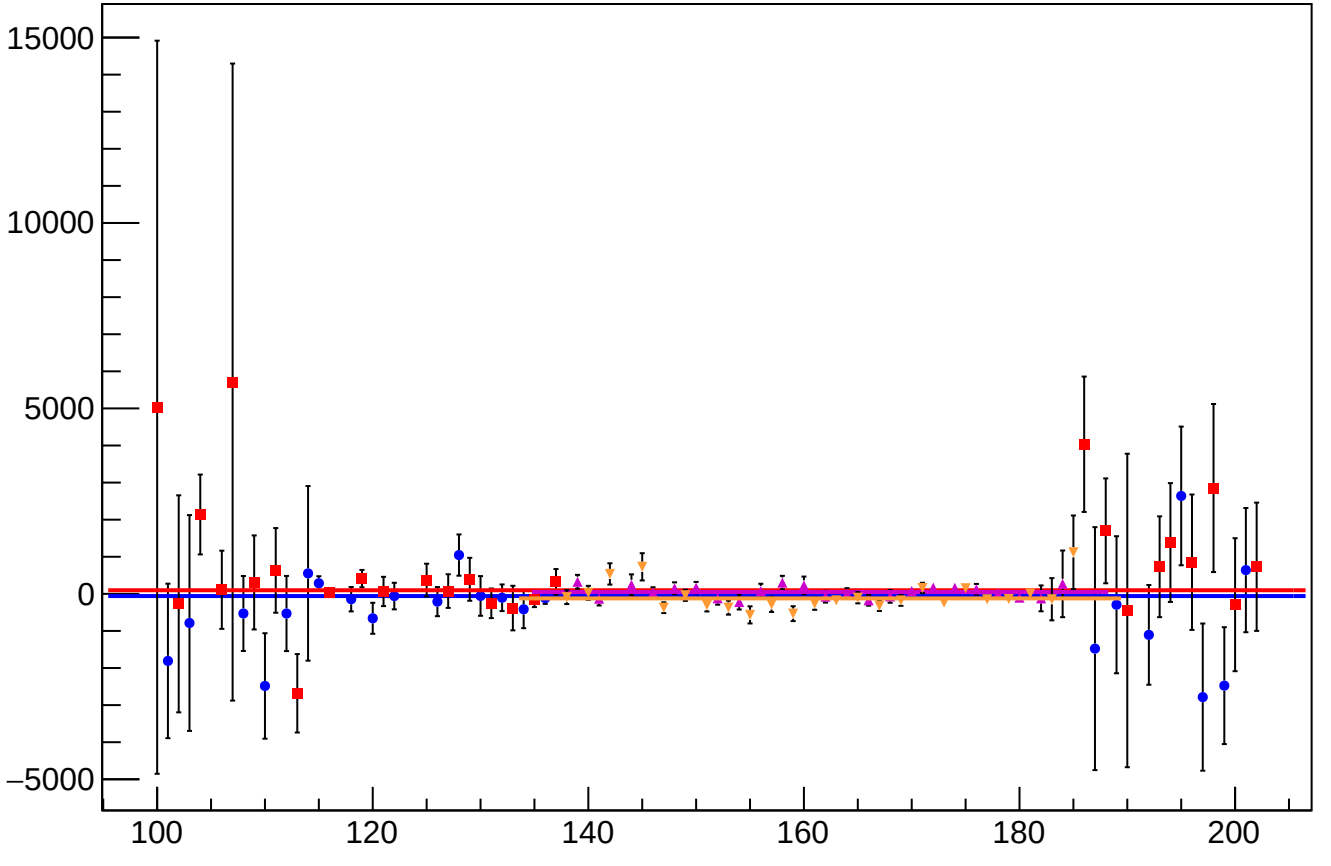
Right: 2250.136+/-0.312 χ^2/NDF: 726966.2/49

In: 2205.026+/-0.283 χ^2/NDF:550819.2/45

Out: 2210.196+/-0.274 χ^2/NDF:209090.5/50

All: 2207.691+/-0.197 χ^2/NDF: 760082.2/96

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -59.713+/-90.090 χ^2/NDF: 21.7/22

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.939+/-81.517 χ^2/NDF: 26.1/26

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

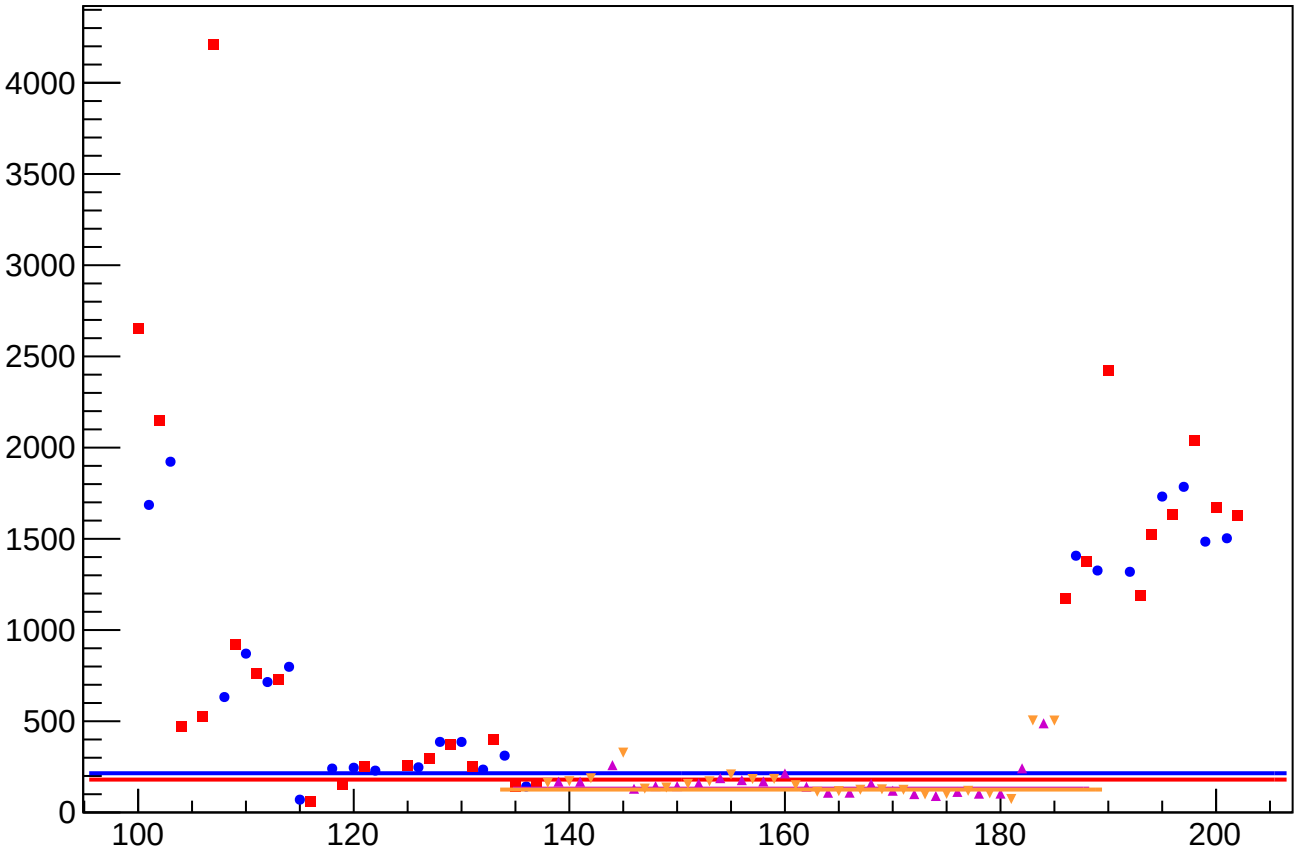
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

Right: 26.419+/-60.446 χ^2/NDF: 49.5/49

In: 37.518+/-30.612 χ^2/NDF:41.3/45

Out: -94.508+/-29.308 χ^2/NDF:76.3/50

All: -31.366+/-21.170 χ^2/NDF: 127.2/96



Right In: 214.971+/-0.064 χ^2/NDF: 12585771.6/22

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 180.128+/-0.058 χ^2/NDF: 16804829.5/26

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

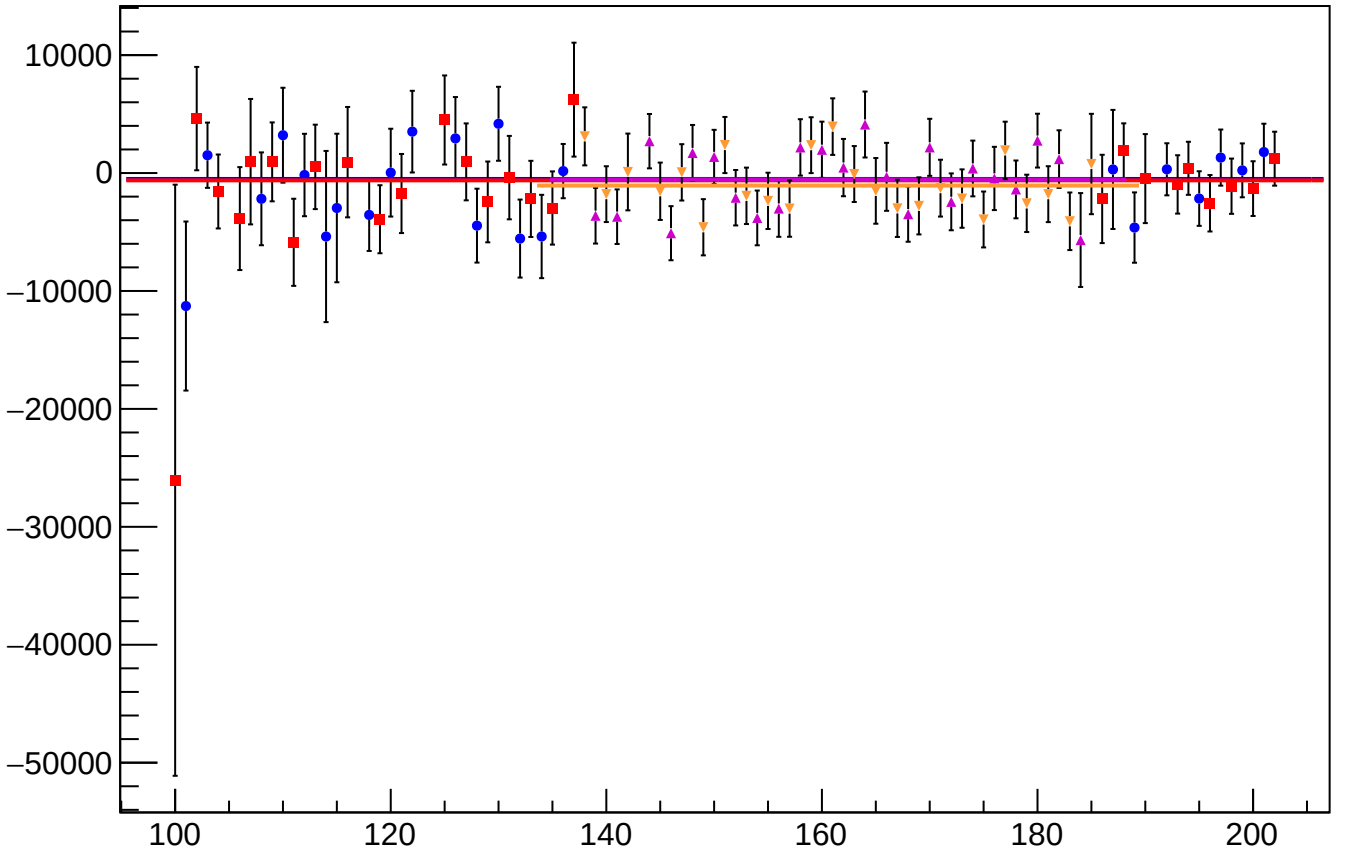
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 195.813+/-0.043 χ^2/NDF: 29555088.6/49

In: 140.209+/-0.022 χ^2/NDF:16822230.3/45

Out: 132.563+/-0.021 χ^2/NDF:21530406.9/50

All: 136.220+/-0.015 χ^2/NDF: 38417734.9/96



Right In: -502.014+/-646.130 χ^2/NDF: 20.1/22

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -618.702+/-605.264 χ^2/NDF: 15.2/26

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

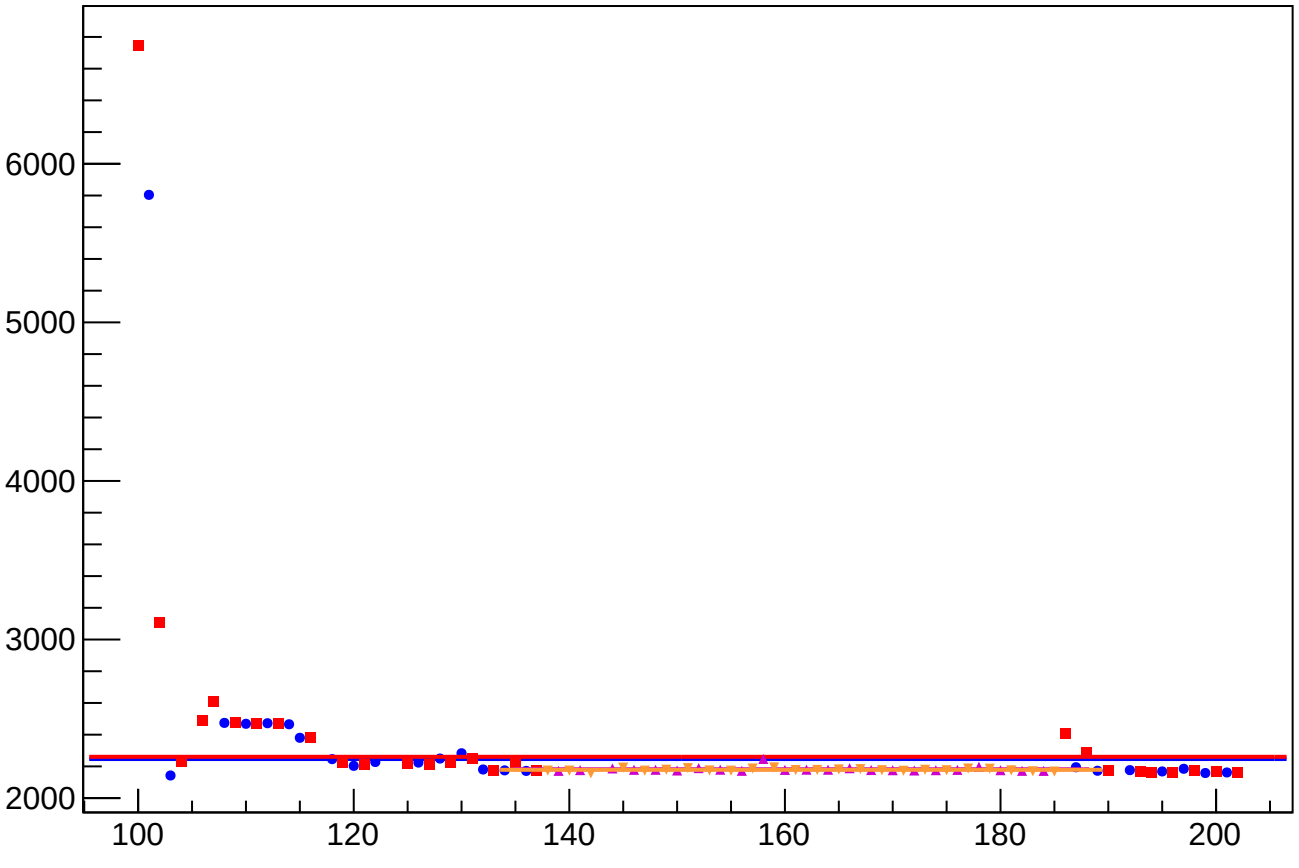
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -564.165+/-441.727 χ^2/NDF: 35.3/49

In: -528.066+/-400.047 χ^2/NDF:48.0/45

Out: -880.013+/-388.042 χ^2/NDF:37.4/50

All: -709.399+/-278.534 χ^2/NDF: 85.8/96



Right In: 2246.371+/-0.457 χ^2/NDF: 536473.8/22

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2260.418+/-0.428 χ^2/NDF: 204507.2/26

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

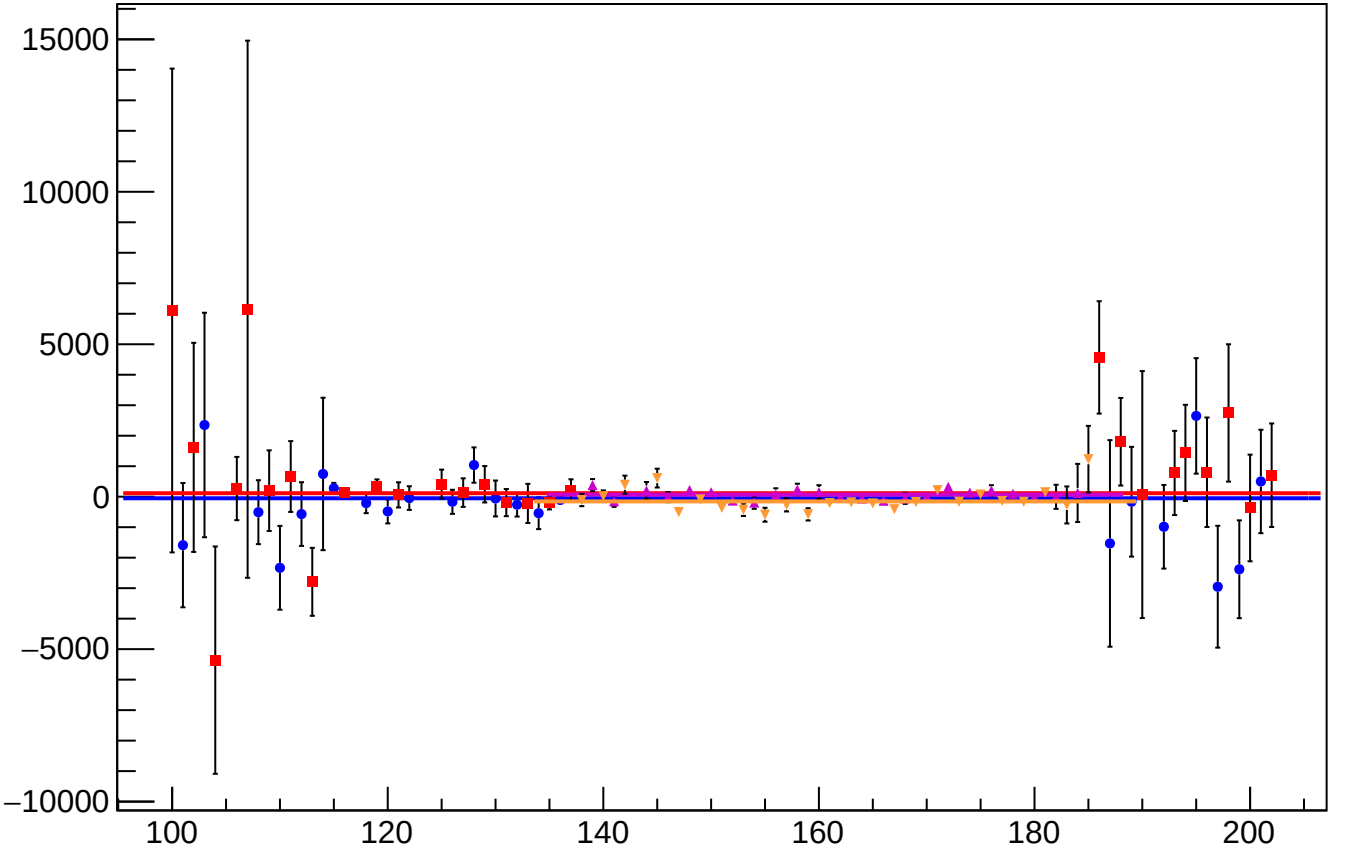
Right: 2253.852+/-0.312 χ^2/NDF: 741484.4/49

In: 2206.603+/-0.283 χ^2/NDF:550597.7/45

Out: 2212.172+/-0.274 χ^2/NDF:226538.7/50

All: 2209.473+/-0.197 χ^2/NDF: 777336.1/96

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -51.626+/-91.556 χ^2/NDF: 21.1/22

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.423+/-85.163 χ^2/NDF: 24.9/26

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

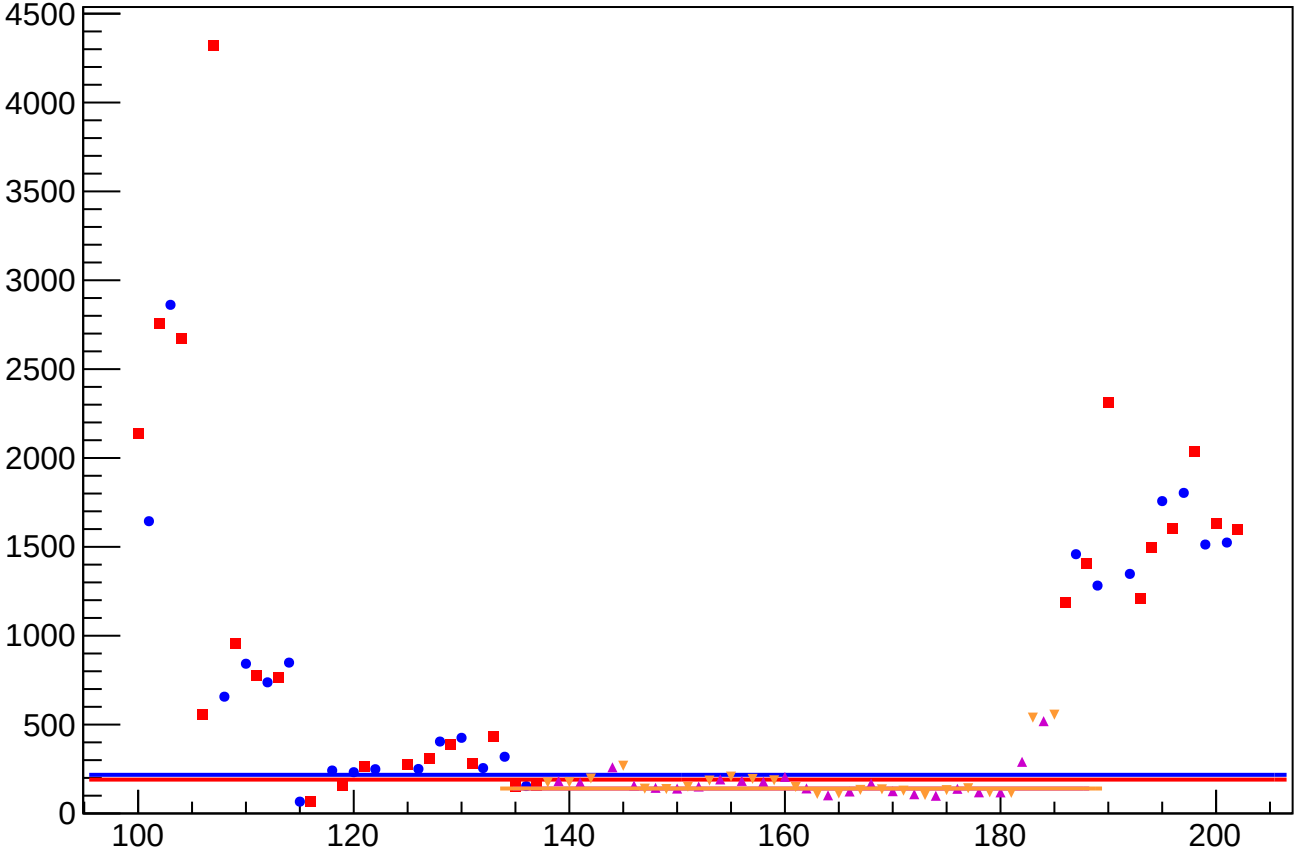
Right: 37.398+/-62.357 χ^2/NDF: 47.8/49

In: 55.228+/-32.041 χ^2/NDF:41.6/45

Out: -117.610+/-31.625 χ^2/NDF:80.8/50

All: -32.321+/-22.508 χ^2/NDF: 137.2/96

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 217.354+/-0.065 χ^2/NDF: 13155758.9/22

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 190.513+/-0.060 χ^2/NDF: 17626506.0/26

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

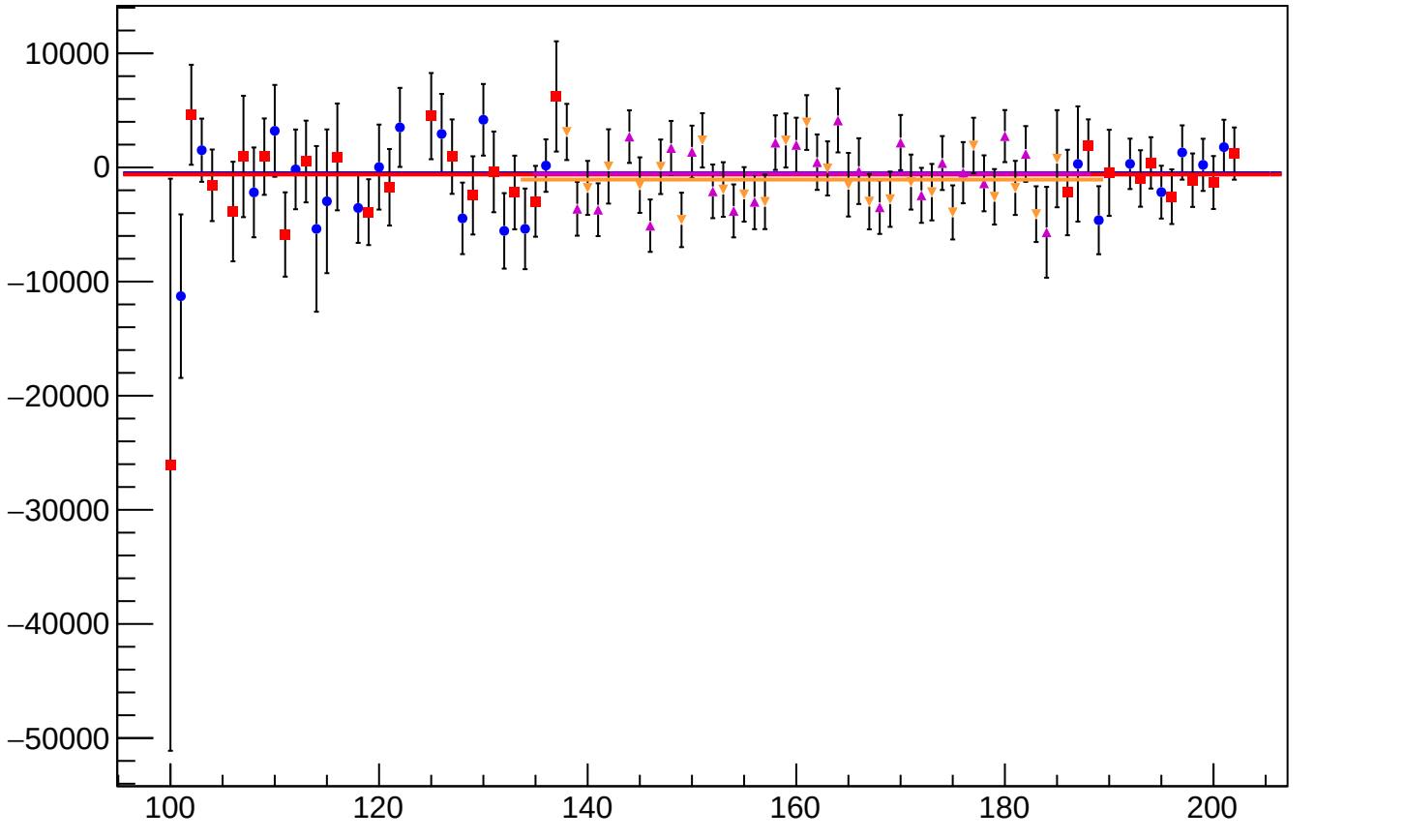
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 202.964+/-0.044 χ^2/NDF: 30874422.3/49

In: 149.455+/-0.023 χ^2/NDF:16821711.9/45

Out: 147.240+/-0.022 χ^2/NDF:20985745.7/50

All: 148.333+/-0.016 χ^2/NDF: 37812298.0/96



Right In: -502.015+/-646.130 χ^2/NDF: 20.1/22

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -618.701+/-605.264 χ^2/NDF: 15.2/26

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

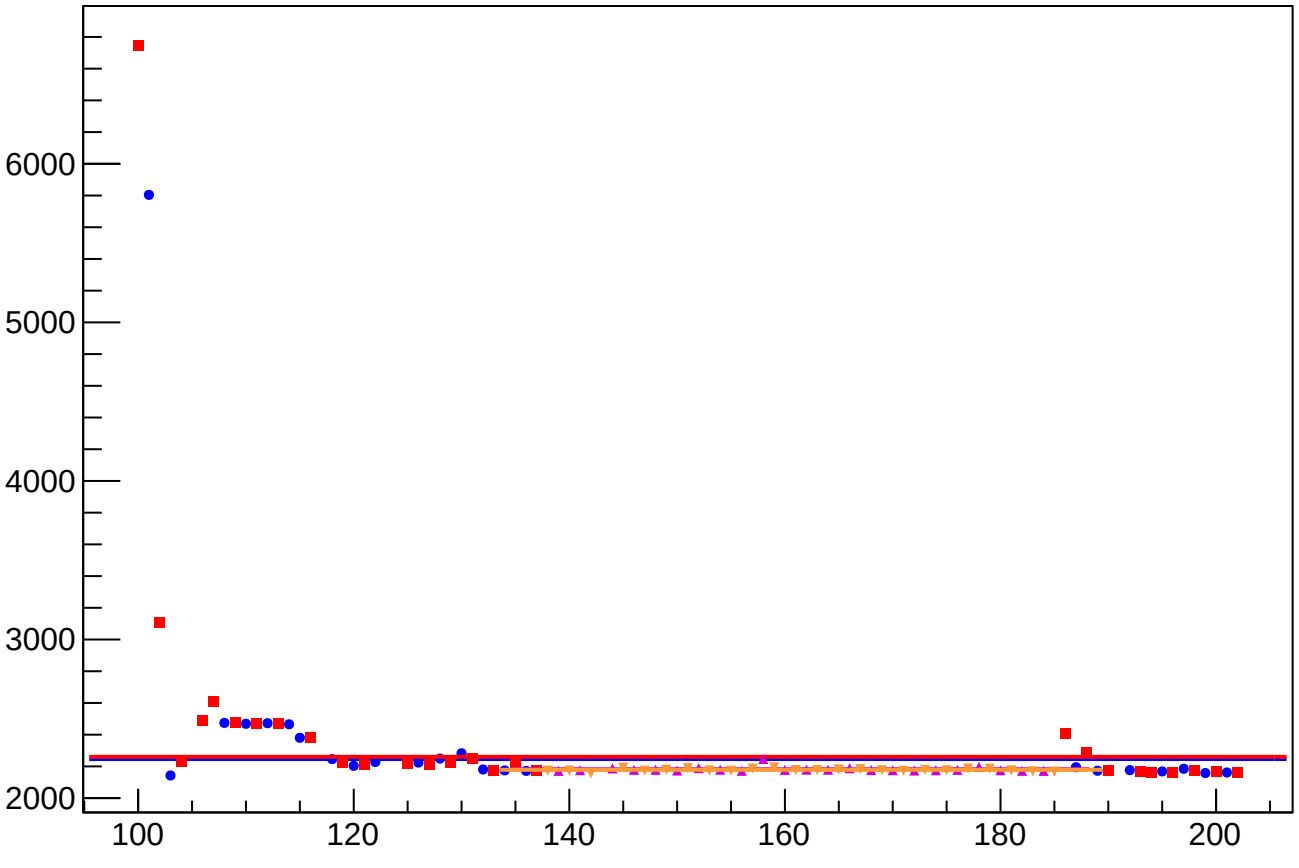
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -564.164+/-441.727 χ^2/NDF: 35.3/49

In: -528.065+/-400.047 χ^2/NDF:48.0/45

Out: -880.013+/-388.042 χ^2/NDF:37.4/50

All: -709.399+/-278.534 χ^2/NDF: 85.8/96



Right In: 2246.371+/-0.457 χ^2/NDF: 536473.8/22

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2260.418+/-0.428 χ^2/NDF: 204507.1/26

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

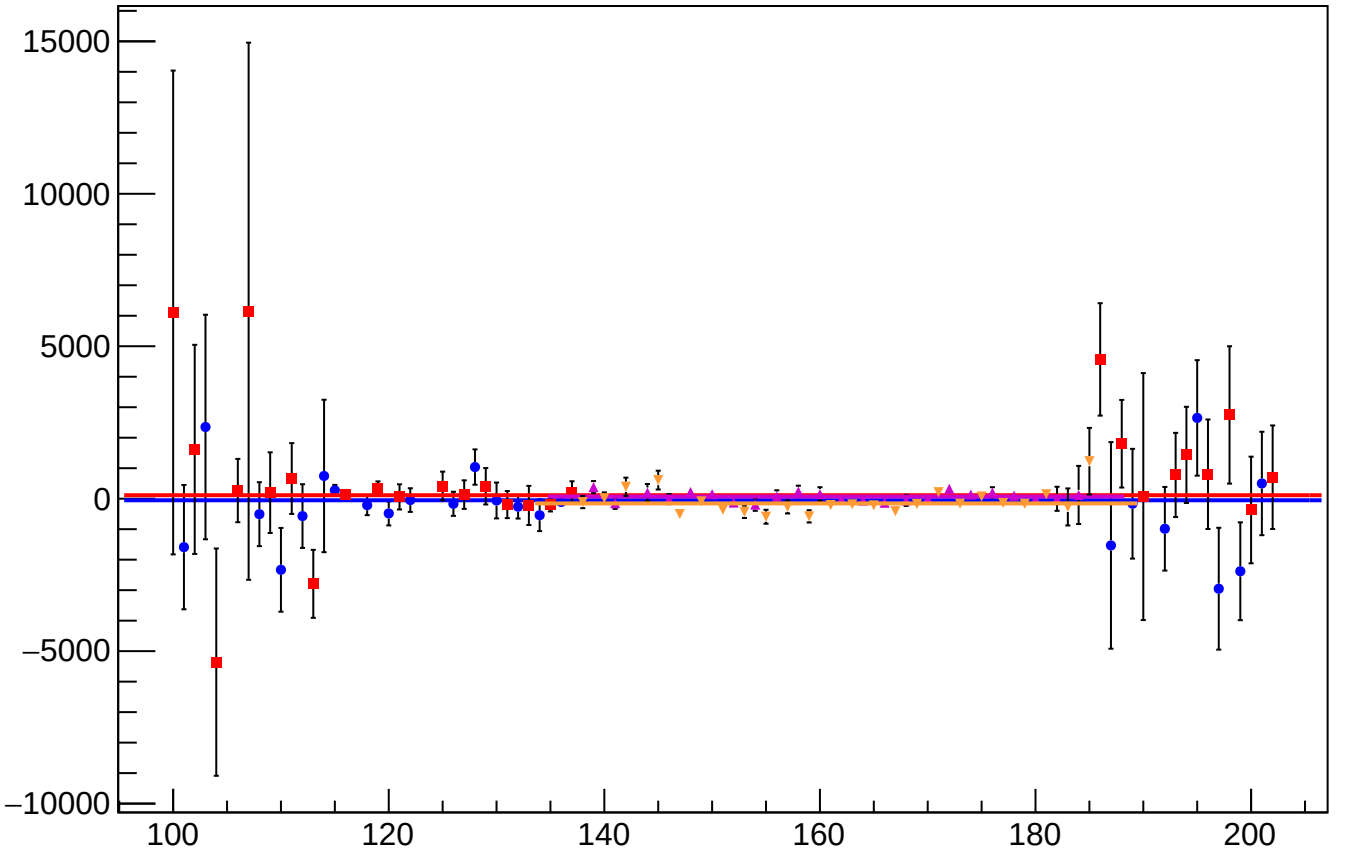
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2253.852+/-0.312 χ^2/NDF: 741484.4/49

In: 2206.603+/-0.283 χ^2/NDF:550597.7/45

Out: 2212.172+/-0.274 χ^2/NDF:226538.6/50

All: 2209.473+/-0.197 χ^2/NDF: 777336.0/96



Right In: -51.623+/-91.555 χ^2/NDF: 21.1/22

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.424+/-85.162 χ^2/NDF: 24.9/26

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

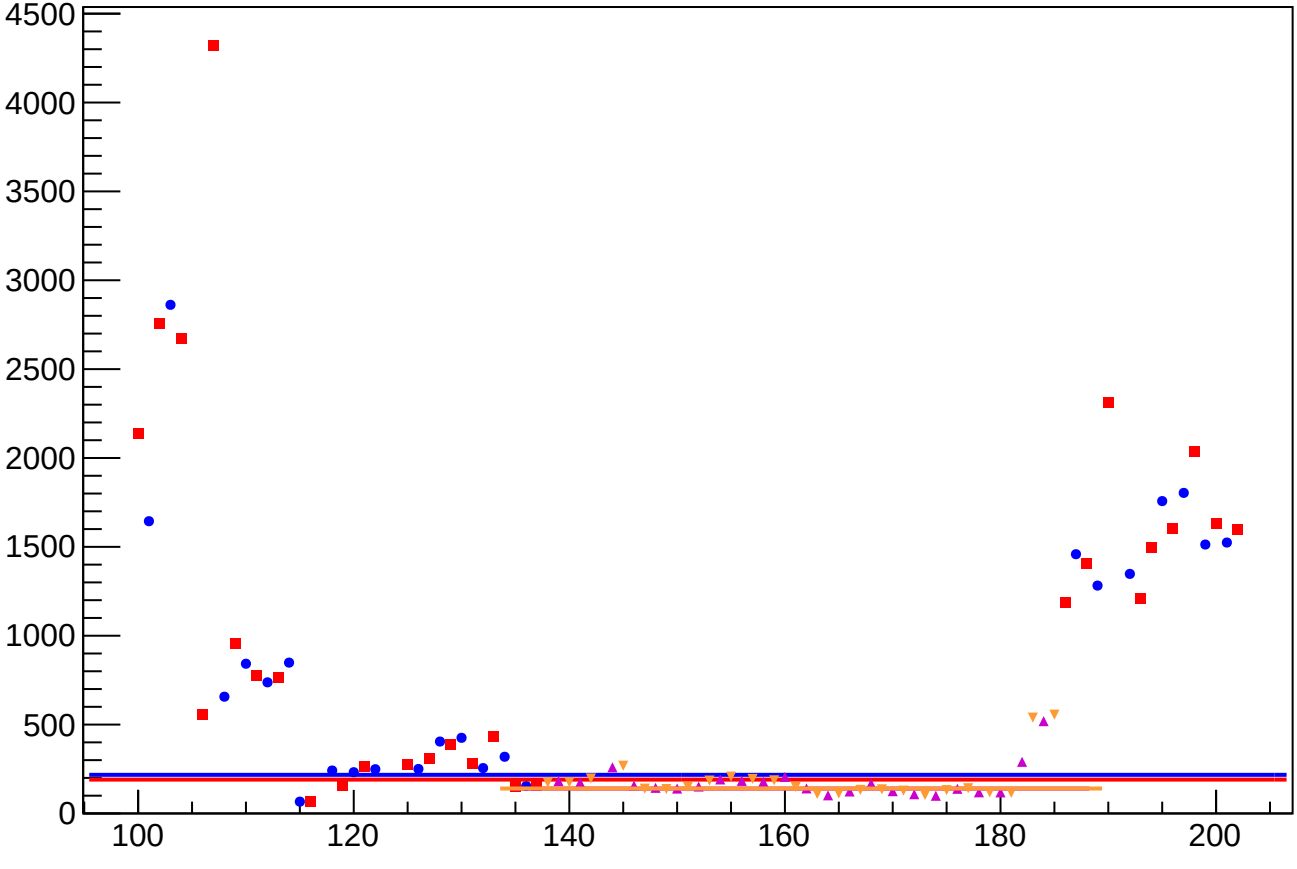
Right: 37.400+/-62.356 χ^2/NDF: 47.8/49

In: 55.227+/-32.041 χ^2/NDF:41.6/45

Out: -117.610+/-31.625 χ^2/NDF:80.8/50

All: -32.321+/-22.508 χ^2/NDF: 137.2/96

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 217.351+/-0.065 χ^2/NDF: 13155826.8/22

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 190.510+/-0.060 χ^2/NDF: 17626605.7/26

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

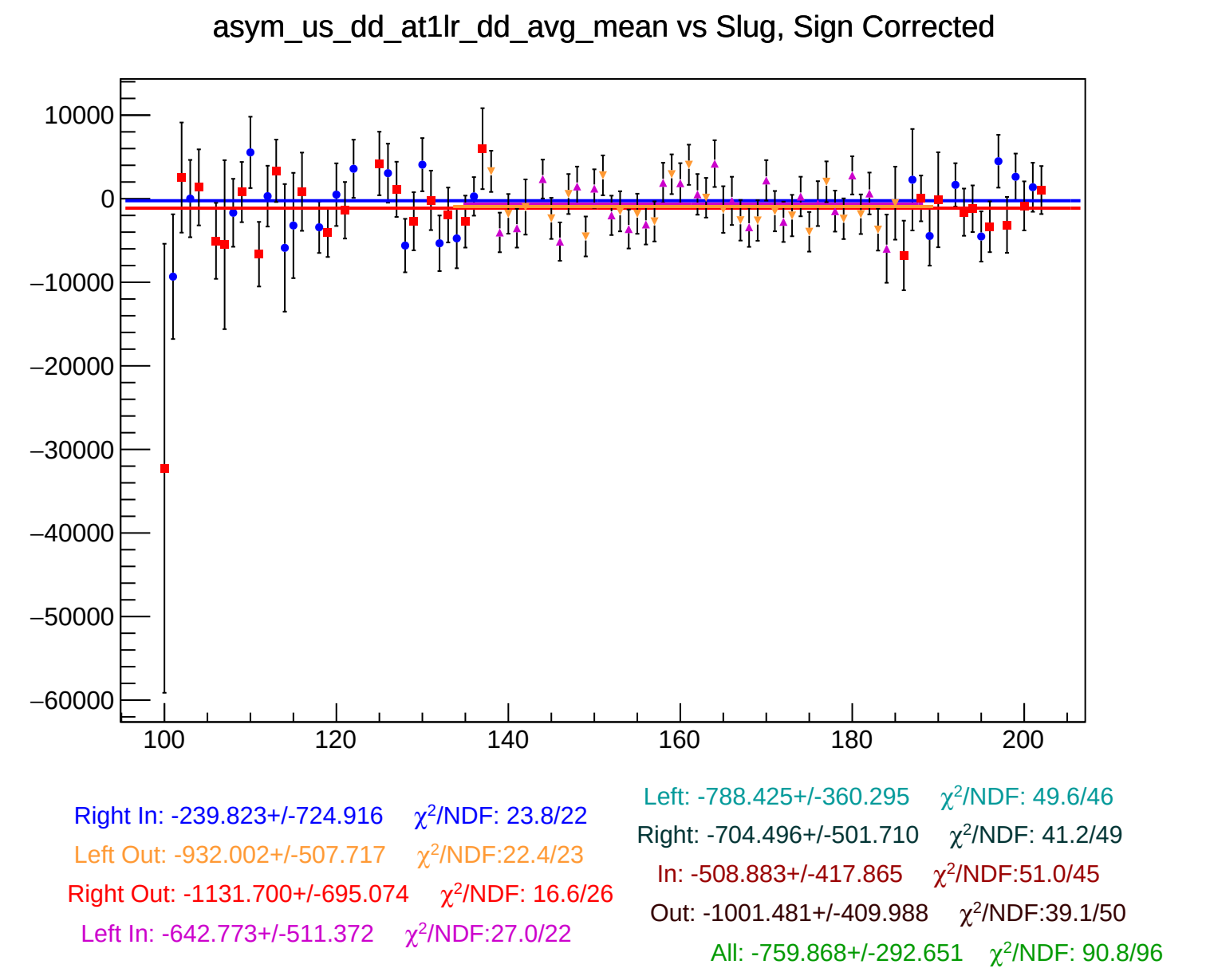
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

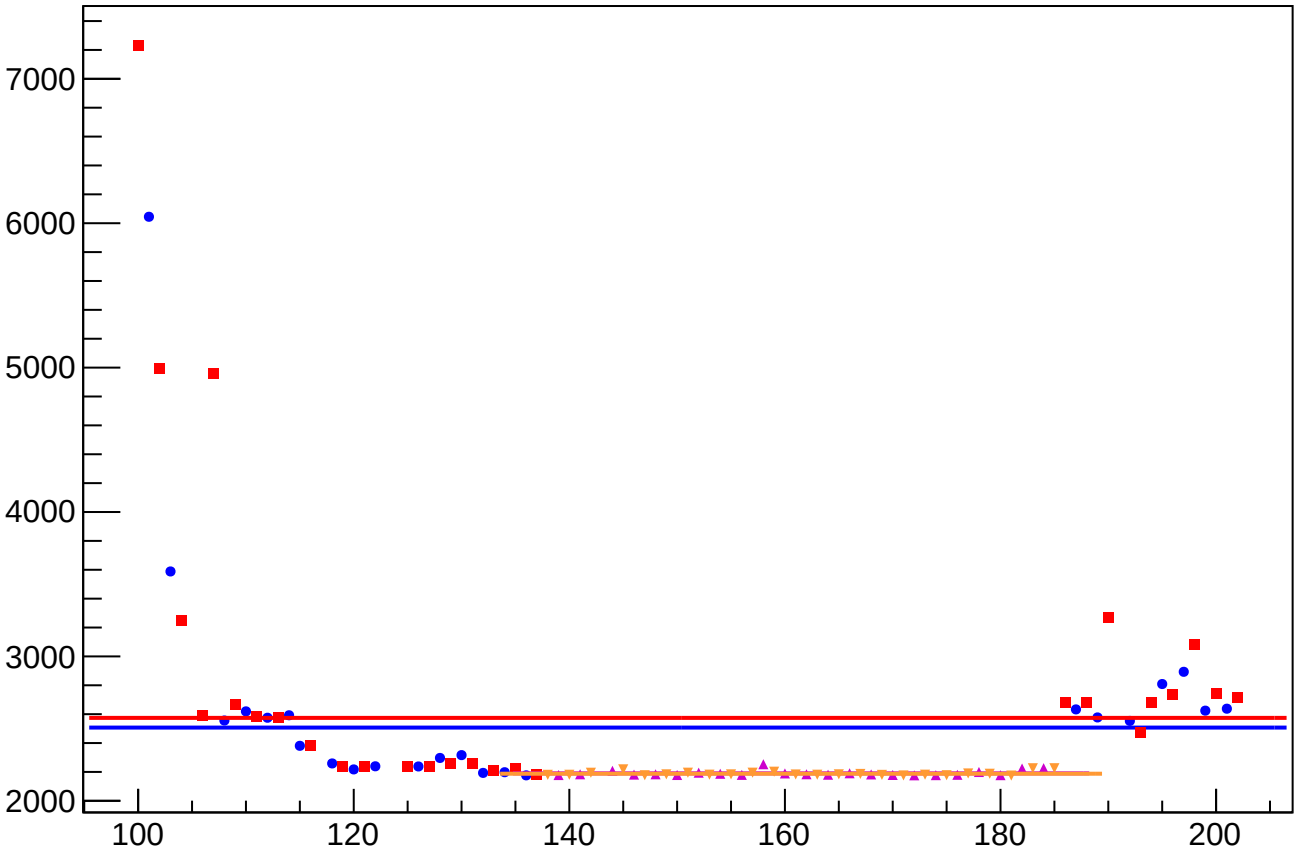
Right: 202.961+/-0.044 χ^2/NDF: 30874592.2/49

In: 149.455+/-0.023 χ^2/NDF:16821760.4/45

Out: 147.241+/-0.022 χ^2/NDF:20985776.1/50

All: 148.333+/-0.016 χ^2/NDF: 37812376.4/96


asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
Right In: -239.823+/-724.916 χ²/NDF: 23.8/22
Left Out: -932.002+/-507.717 χ²/NDF:22.4/23
Right Out: -1131.700+/-695.074 χ²/NDF: 16.6/26
Left In: -642.773+/-511.372 χ²/NDF:27.0/22
Left: -788.425+/-360.295 χ²/NDF: 49.6/46
Right: -704.496+/-501.710 χ²/NDF: 41.2/49
In: -508.883+/-417.865 χ²/NDF:51.0/45
Out: -1001.481+/-409.988 χ²/NDF:39.1/50
All: -759.868+/-292.651 χ²/NDF: 90.8/96



Right In: 2507.108+/-0.513 χ^2/NDF: 760208.6/22

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2574.294+/-0.491 χ^2/NDF: 771813.8/26

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

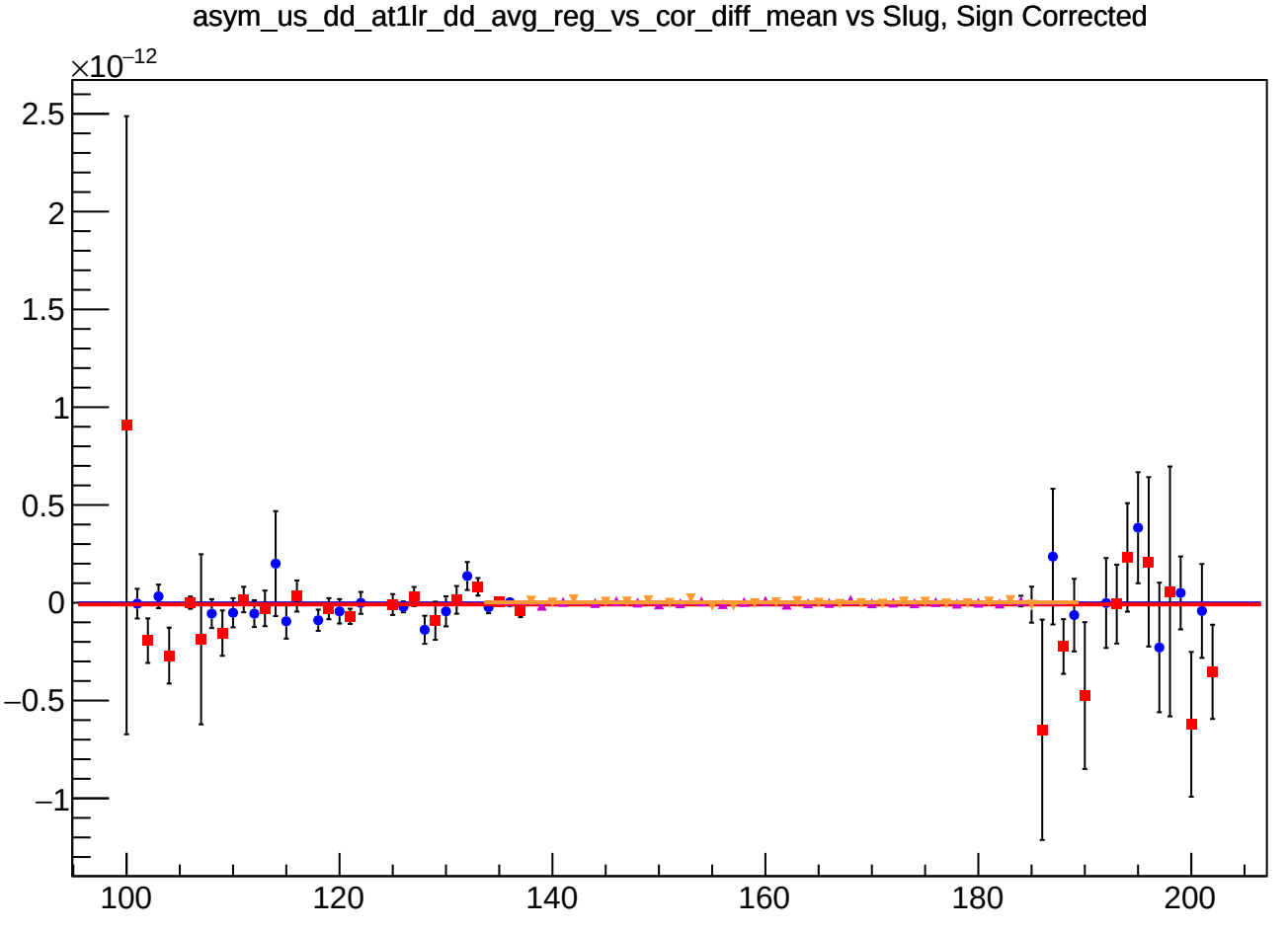
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2542.112+/-0.355 χ^2/NDF: 1540973.0/49

In: 2295.476+/-0.295 χ^2/NDF:1018033.7/45

Out: 2322.152+/-0.290 χ^2/NDF:1176763.0/50

All: 2309.068+/-0.207 χ^2/NDF: 2198949.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/26

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

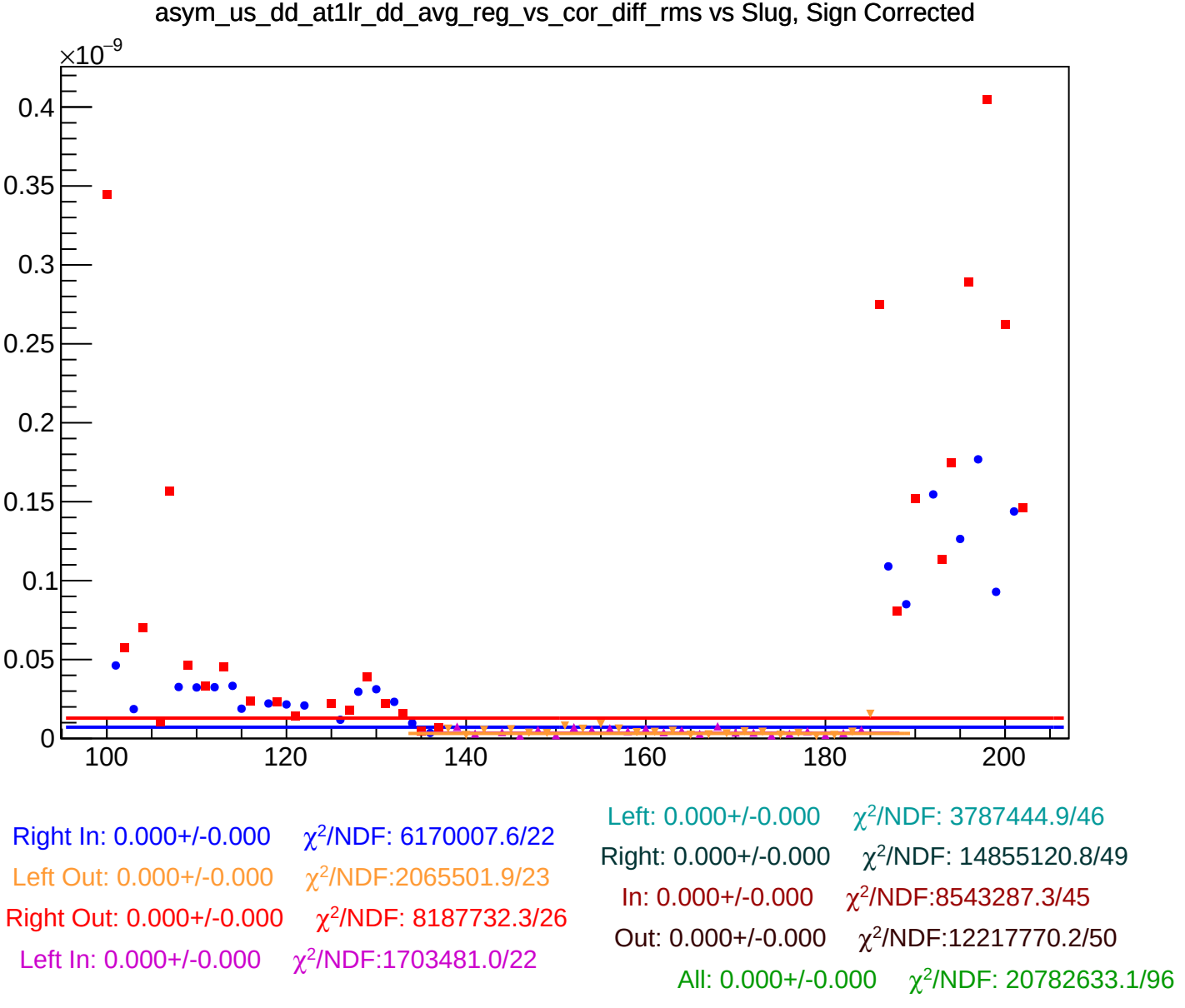
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 48.7/49

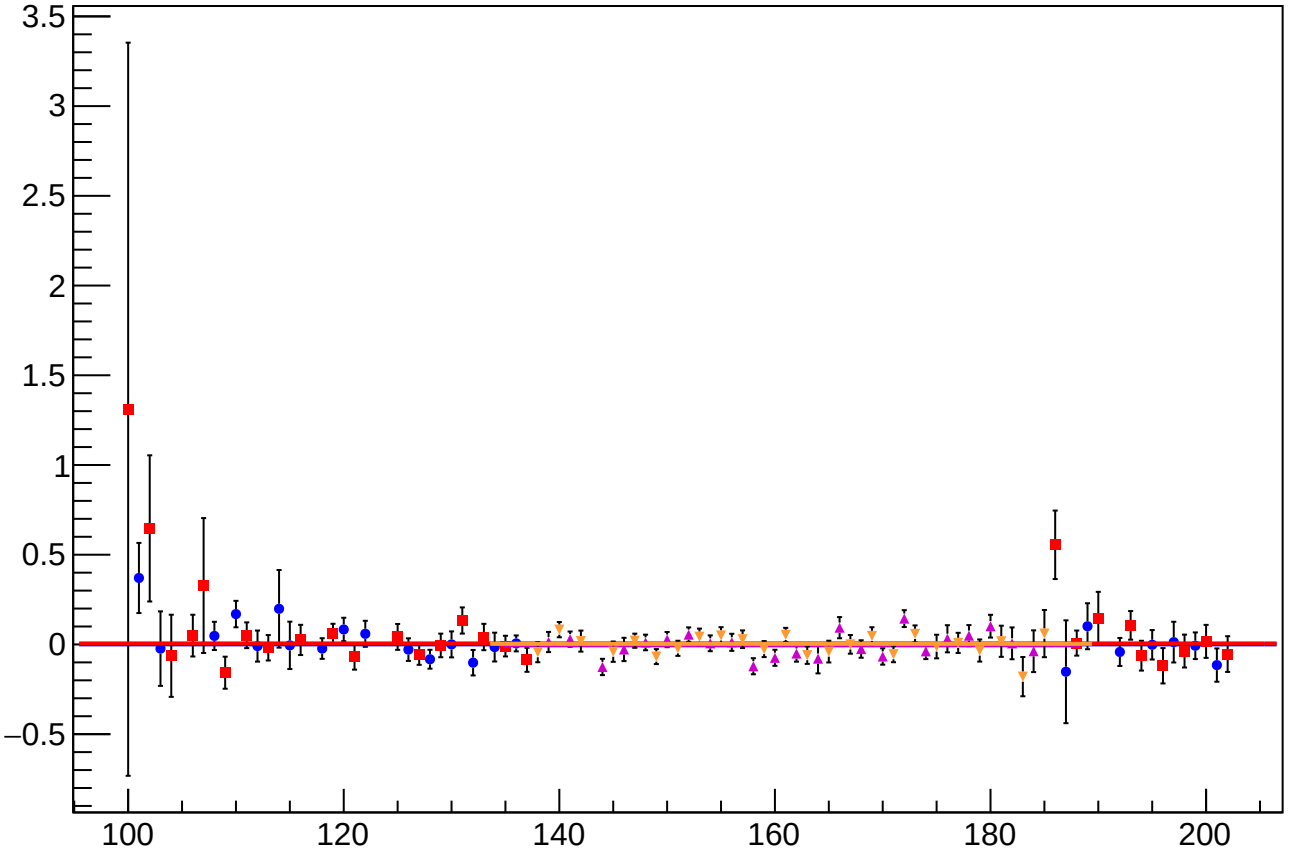
In: -0.000+/-0.000 χ^2/NDF:32.1/45

Out: 0.000+/-0.000 χ^2/NDF:50.5/50

All: 0.000+/-0.000 χ^2/NDF: 83.6/96


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6170007.6/22
Left Out: 0.000+/-0.000 χ²/NDF:2065501.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 8187732.3/26
Left In: 0.000+/-0.000 χ²/NDF:1703481.0/22
Left: 0.000+/-0.000 χ²/NDF: 3787444.9/46
Right: 0.000+/-0.000 χ²/NDF: 14855120.8/49
In: 0.000+/-0.000 χ²/NDF:8543287.3/45
Out: 0.000+/-0.000 χ²/NDF:12217770.2/50
All: 0.000+/-0.000 χ²/NDF: 20782633.1/96

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

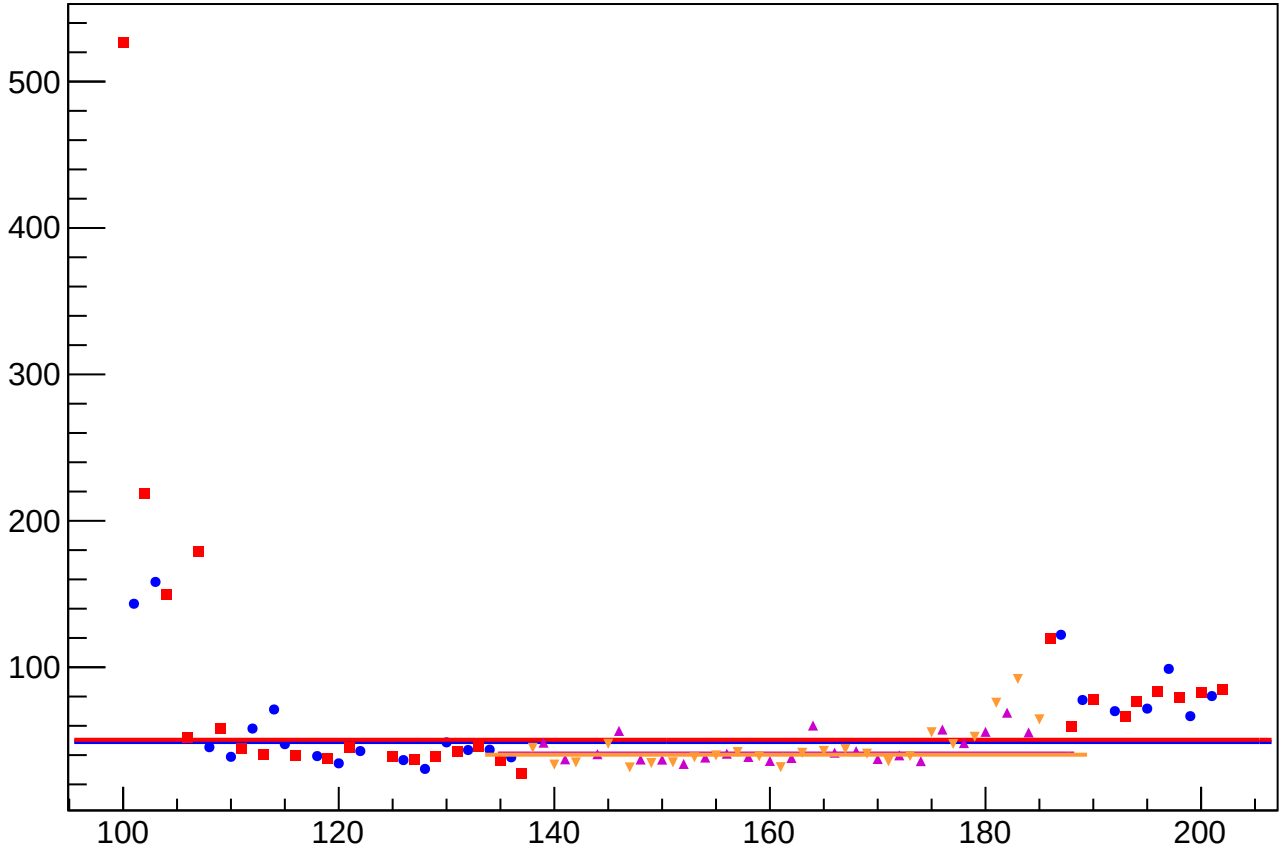
Right: 0.003+/-0.011 χ^2/NDF: 50.1/49

In: -0.004+/-0.009 χ^2/NDF:61.6/45

Out: 0.004+/-0.009 χ^2/NDF:51.8/50

All: 0.000+/-0.006 χ^2/NDF: 113.8/96

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.913+/-0.012 χ^2/NDF: 2990875.6/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 50.479+/-0.011 χ^2/NDF: 3443032.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

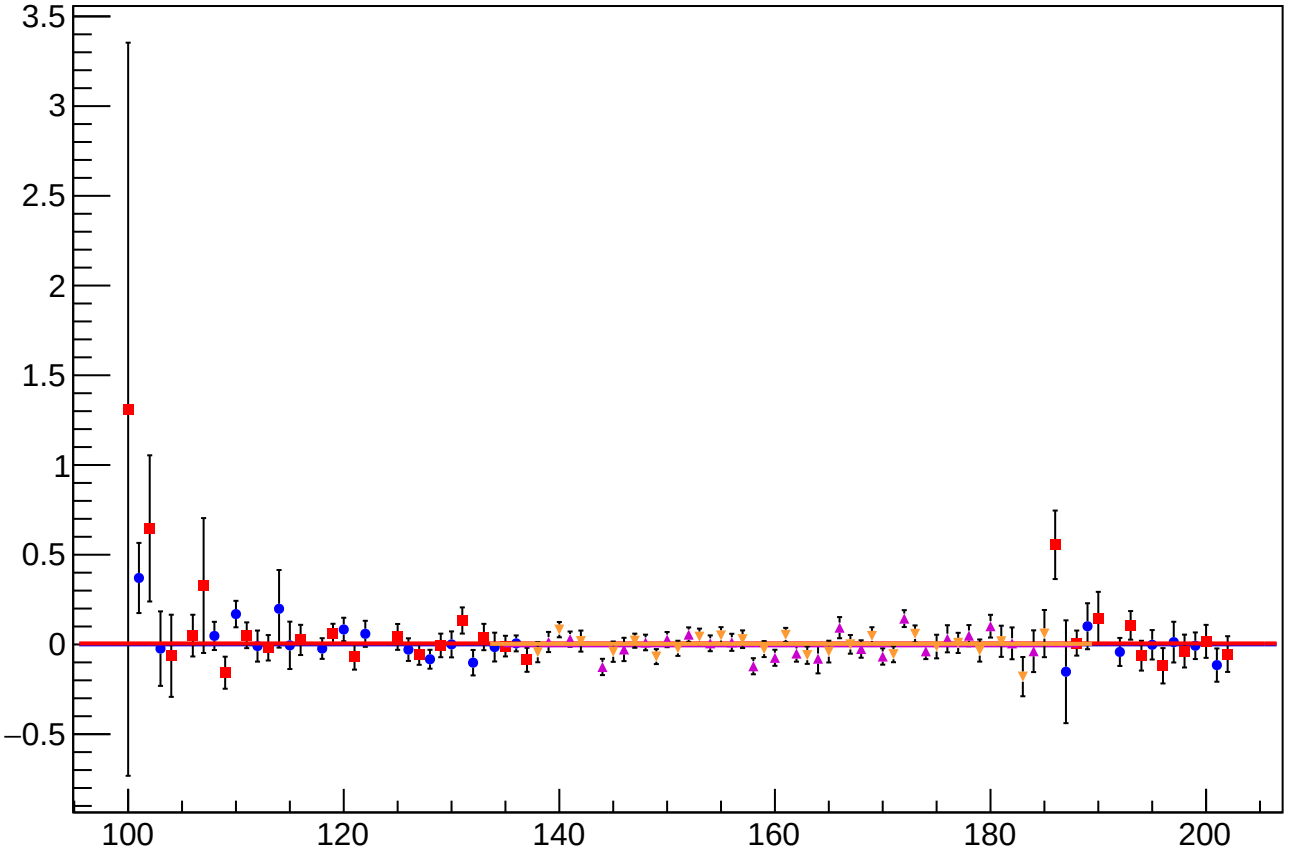
Right: 49.712+/-0.008 χ^2/NDF: 6443309.8/49

In: 43.397+/-0.006 χ^2/NDF:4242657.6/45

Out: 43.301+/-0.006 χ^2/NDF:5505839.3/50

All: 43.348+/-0.004 χ^2/NDF: 9748616.3/96

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

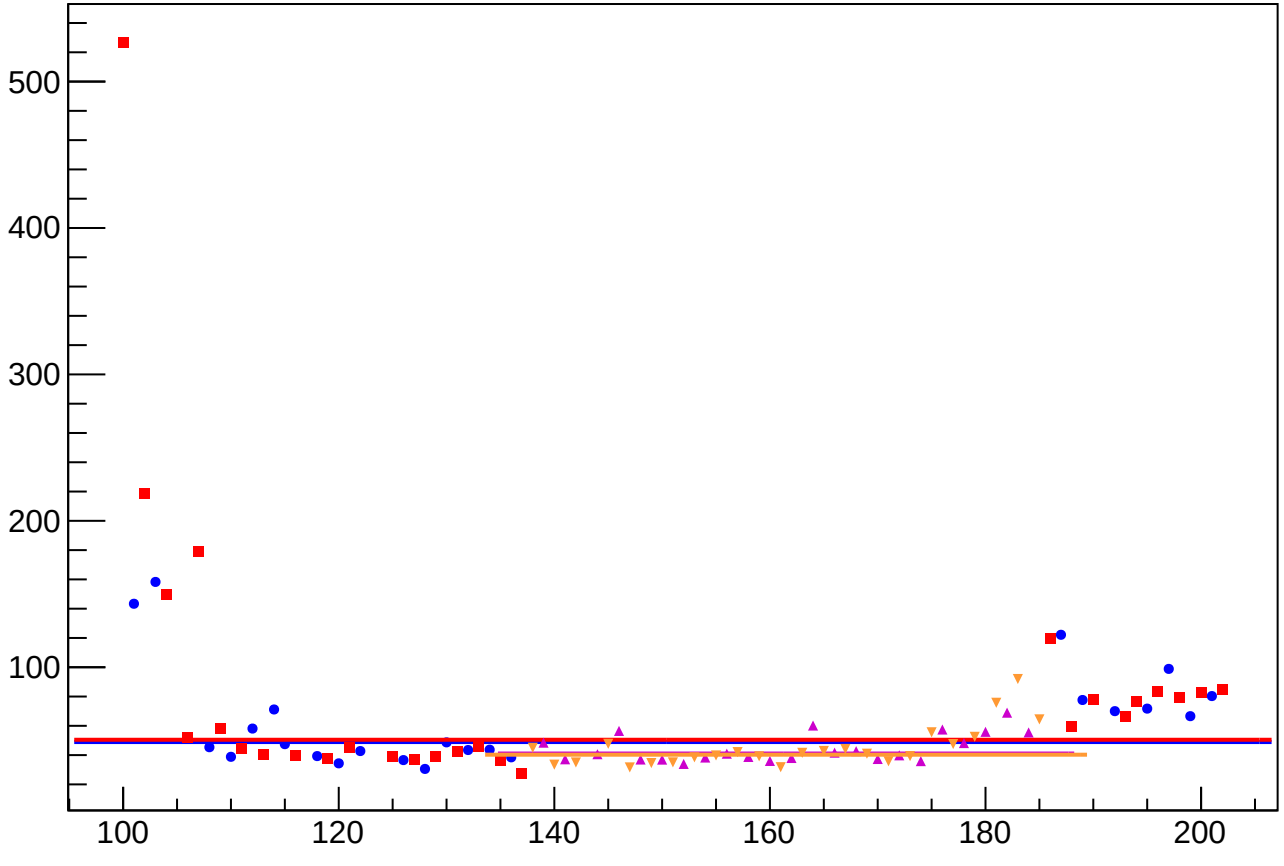
Right: 0.003+/-0.011 χ^2/NDF: 50.1/49

In: -0.004+/-0.009 χ^2/NDF:61.6/45

Out: 0.004+/-0.009 χ^2/NDF:51.8/50

All: 0.000+/-0.006 χ^2/NDF: 113.8/96

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.913+/-0.012 χ^2/NDF: 2990875.6/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 50.479+/-0.011 χ^2/NDF: 3443032.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

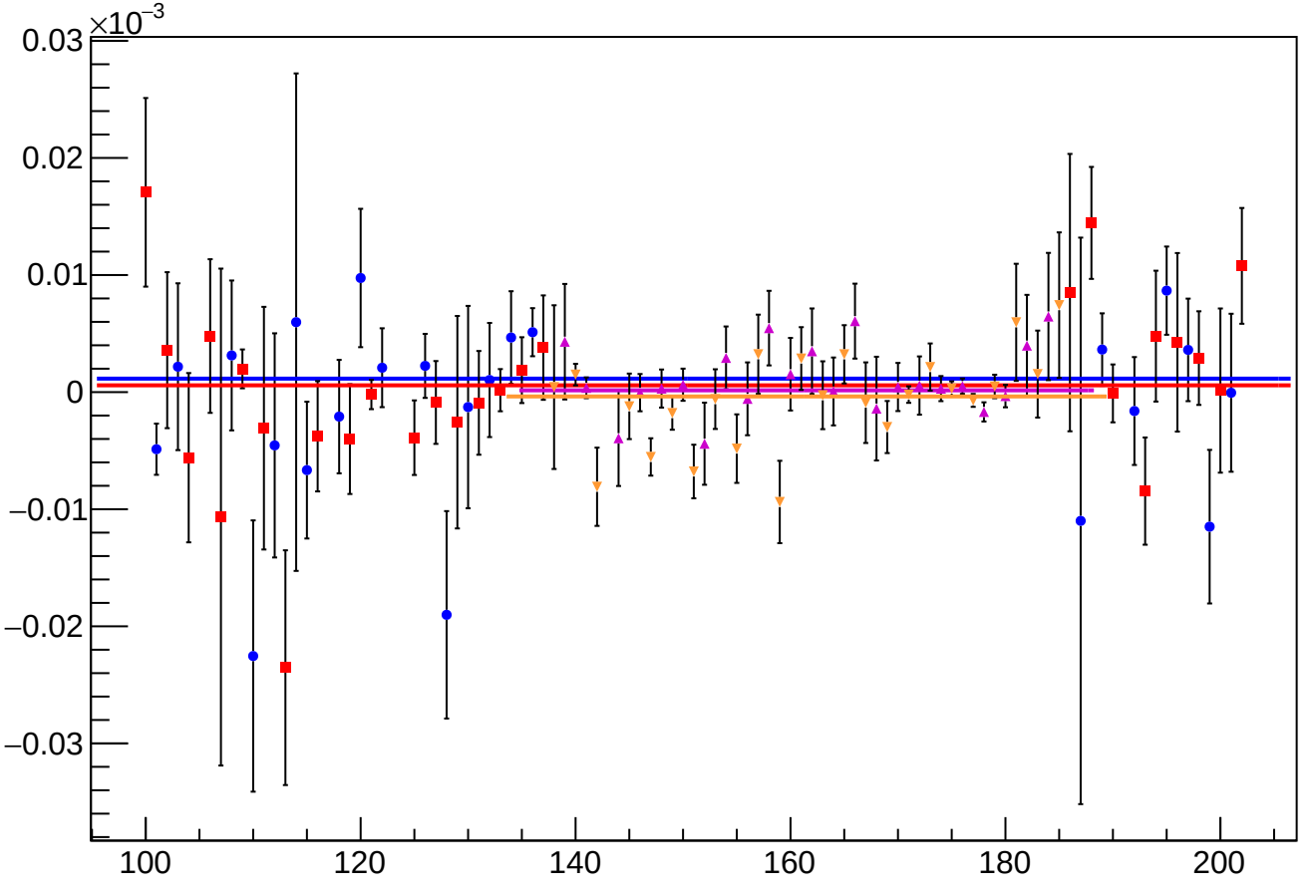
Right: 49.712+/-0.008 χ^2/NDF: 6443309.8/49

In: 43.397+/-0.006 χ^2/NDF:4242657.6/45

Out: 43.301+/-0.006 χ^2/NDF:5505839.3/50

All: 43.348+/-0.004 χ^2/NDF: 9748616.3/96

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.0/26

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

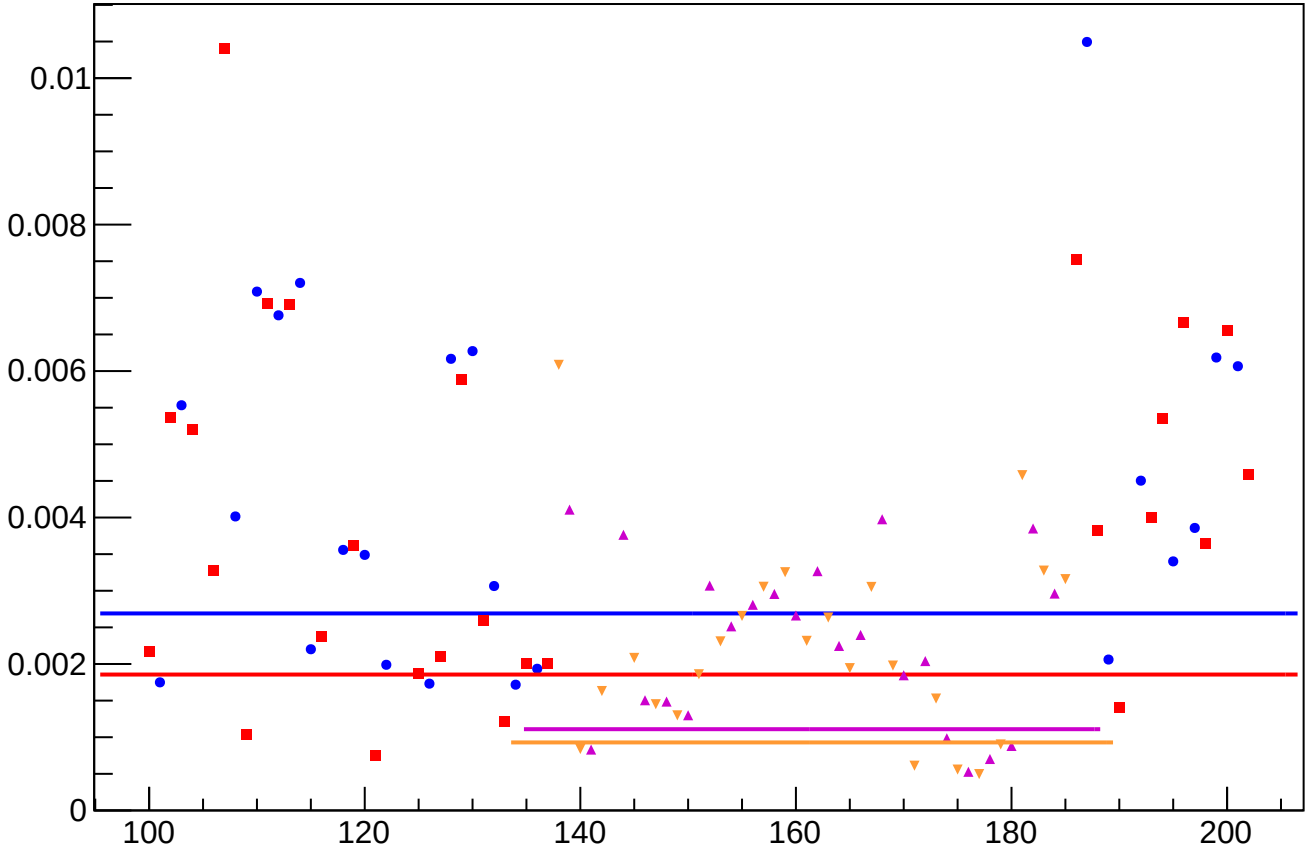
Right: 0.000+/-0.000 χ^2/NDF: 72.3/49

In: 0.000+/-0.000 χ^2/NDF:57.0/45

Out: -0.000+/-0.000 χ^2/NDF:89.0/50

All: -0.000+/-0.000 χ^2/NDF: 147.6/96

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: 4900754.7/22

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 10253005.8/26

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

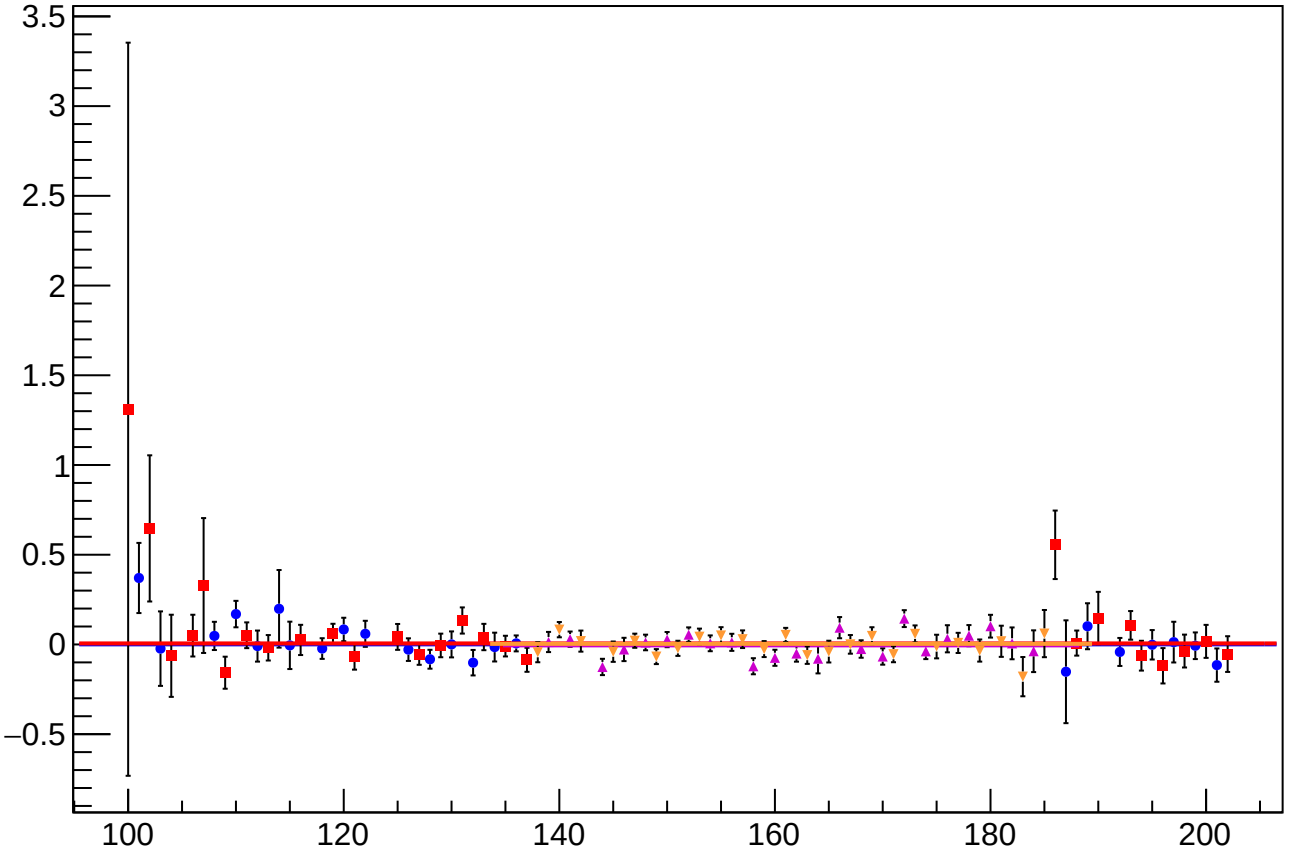
Right: 0.002+/-0.000 χ^2/NDF: 16313747.5/49

In: 0.001+/-0.000 χ^2/NDF:21514896.2/45

Out: 0.001+/-0.000 χ^2/NDF:26248999.4/50

All: 0.001+/-0.000 χ^2/NDF: 48390562.3/96

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

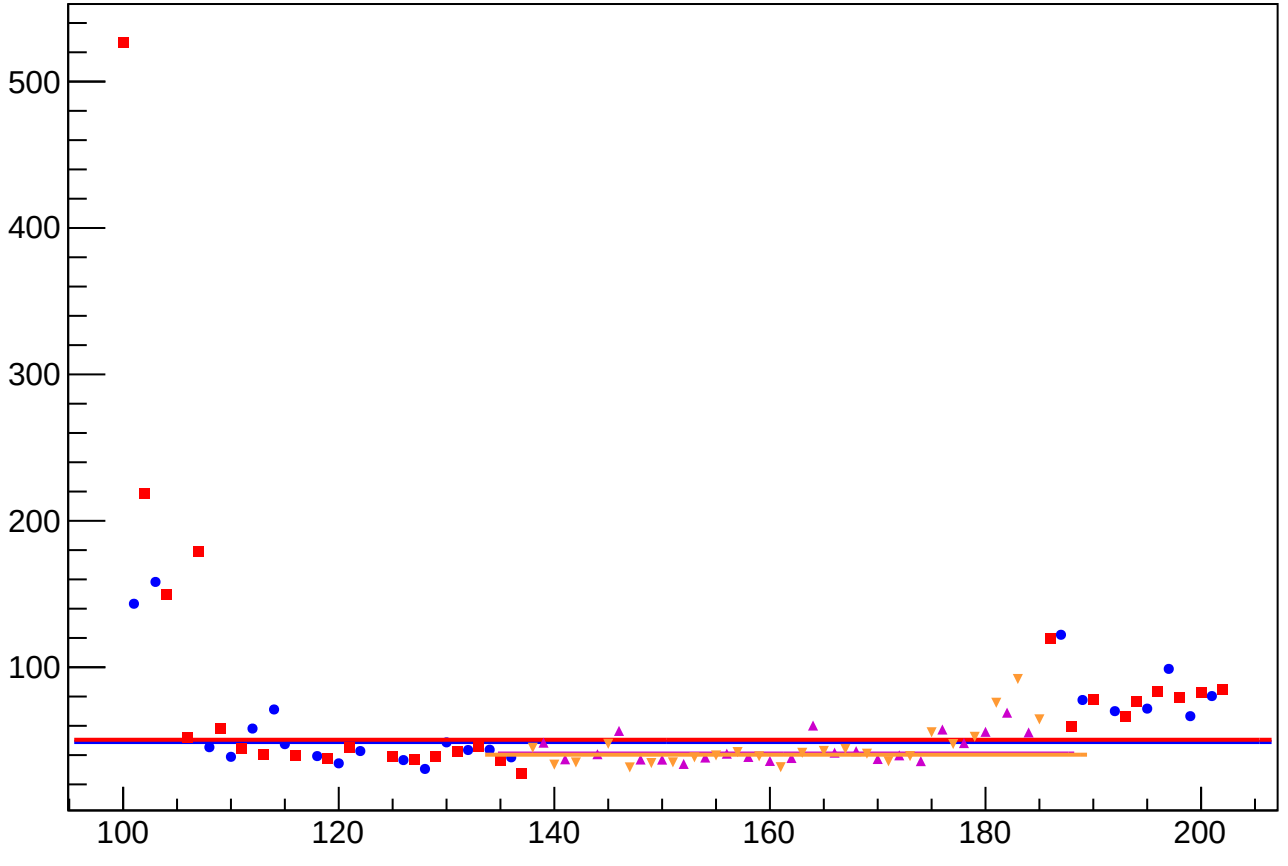
Right: 0.003+/-0.011 χ^2/NDF: 50.1/49

In: -0.004+/-0.009 χ^2/NDF:61.6/45

Out: 0.004+/-0.009 χ^2/NDF:51.8/50

All: 0.000+/-0.006 χ^2/NDF: 113.8/96

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.911+/-0.012 χ^2/NDF: 2991320.3/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 50.479+/-0.011 χ^2/NDF: 3442987.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

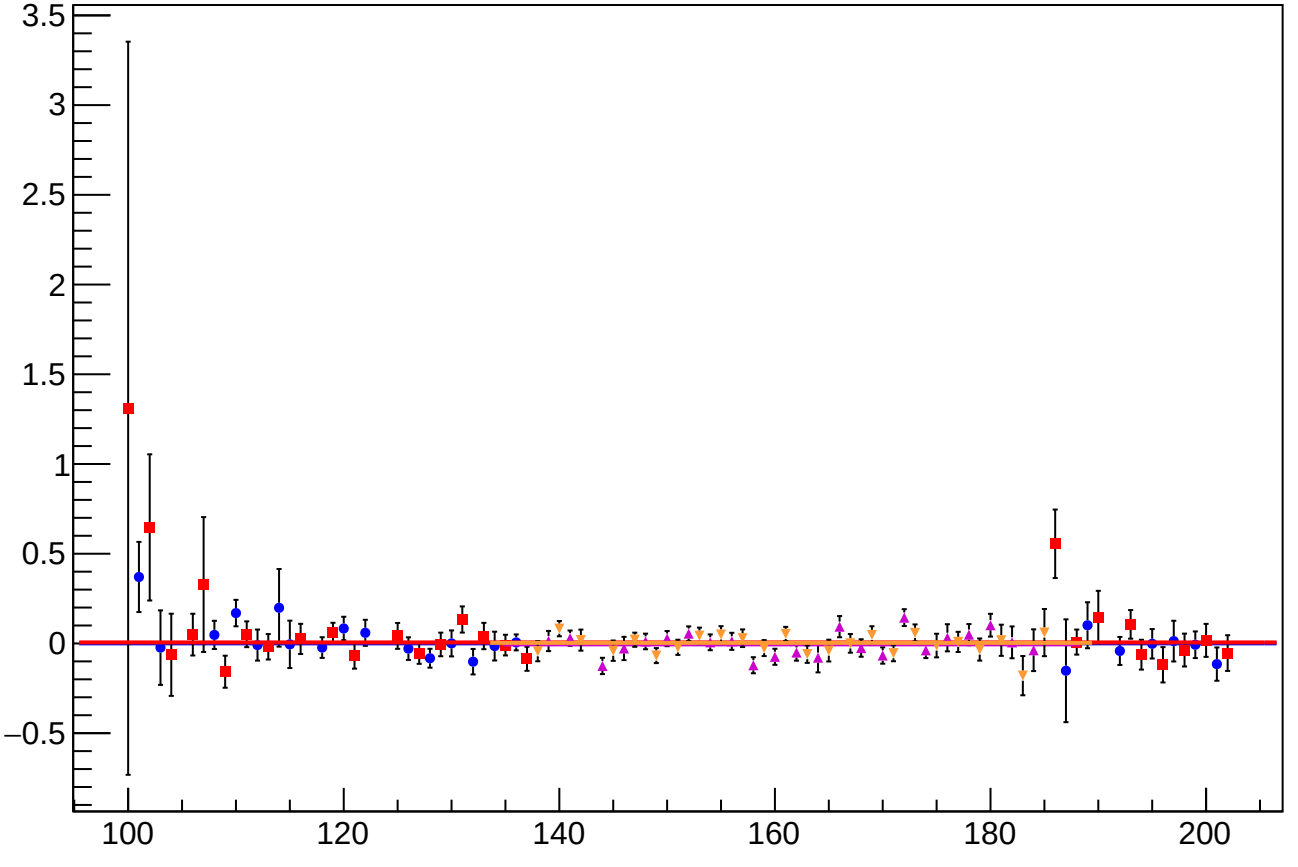
Right: 49.711+/-0.008 χ^2/NDF: 6443744.7/49

In: 43.396+/-0.006 χ^2/NDF:4242957.8/45

Out: 43.301+/-0.006 χ^2/NDF:5505821.9/50

All: 43.348+/-0.004 χ^2/NDF: 9748897.1/96

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

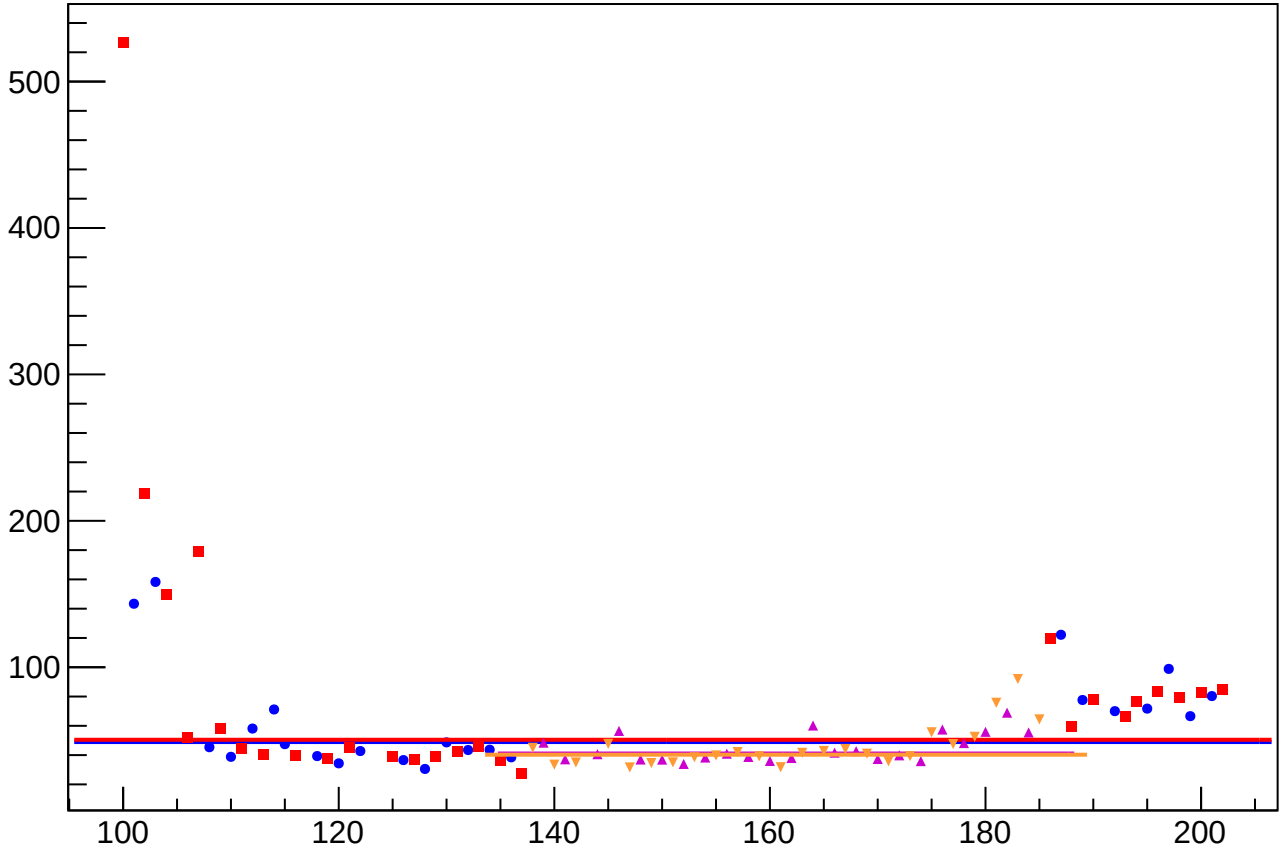
Right: 0.003+/-0.011 χ^2/NDF: 50.1/49

In: -0.004+/-0.009 χ^2/NDF:61.6/45

Out: 0.004+/-0.009 χ^2/NDF:51.8/50

All: 0.000+/-0.006 χ^2/NDF: 113.8/96

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.911+/-0.012 χ^2/NDF: 2991320.3/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 50.479+/-0.011 χ^2/NDF: 3442987.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

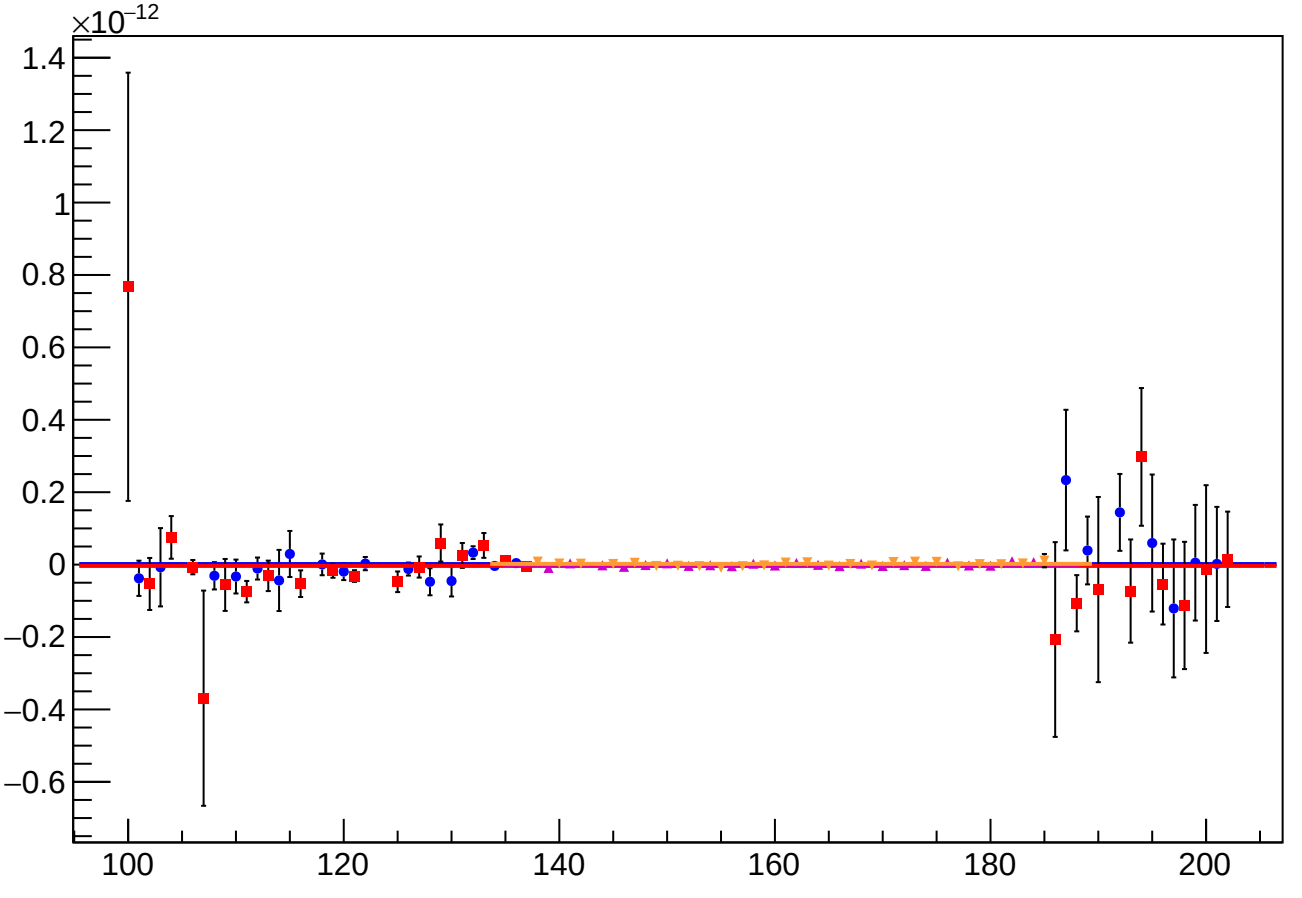
Right: 49.711+/-0.008 χ^2/NDF: 6443744.7/49

In: 43.396+/-0.006 χ^2/NDF:4242957.8/45

Out: 43.301+/-0.006 χ^2/NDF:5505821.9/50

All: 43.348+/-0.004 χ^2/NDF: 9748897.1/96

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.6/26

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

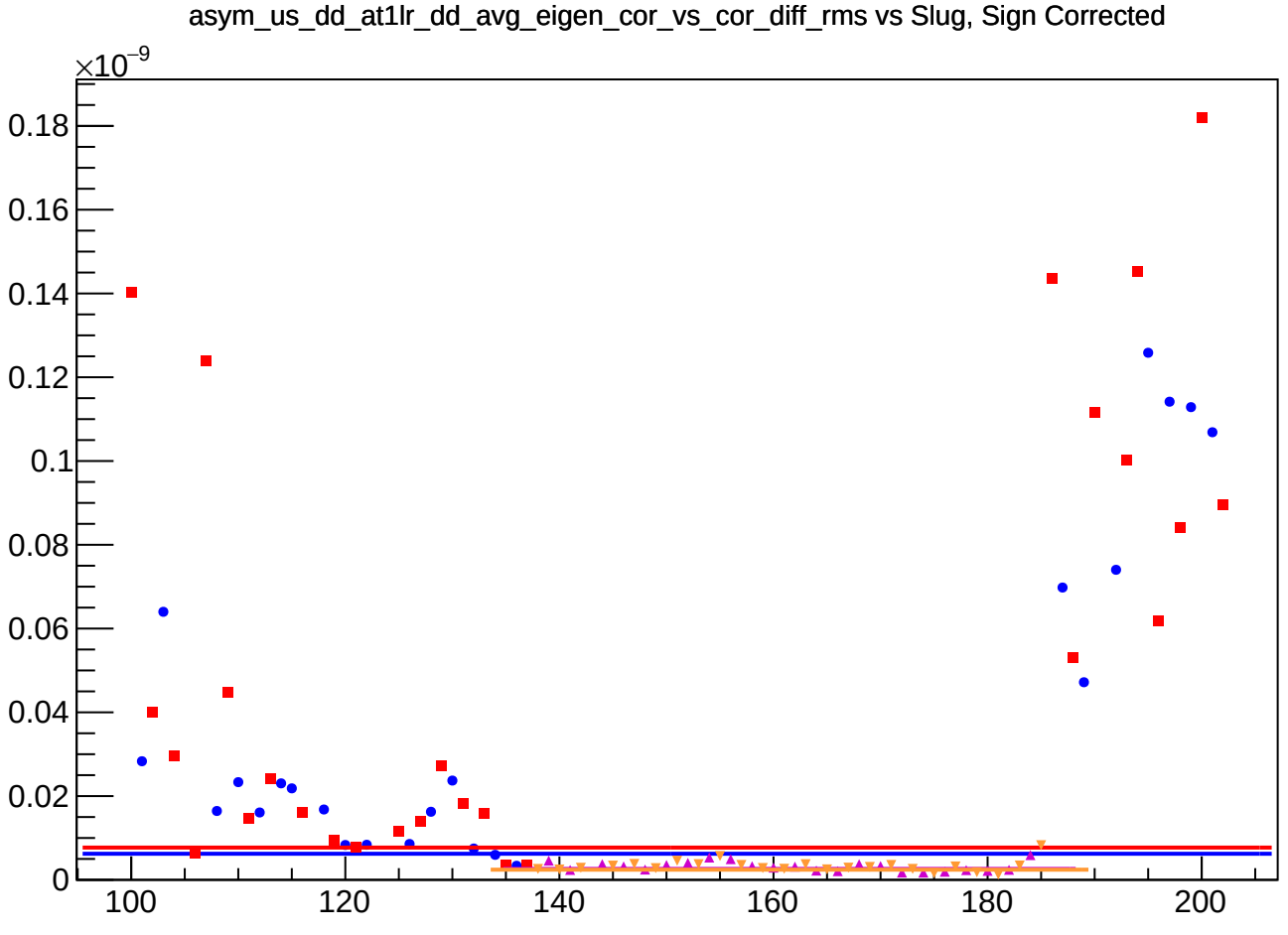
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

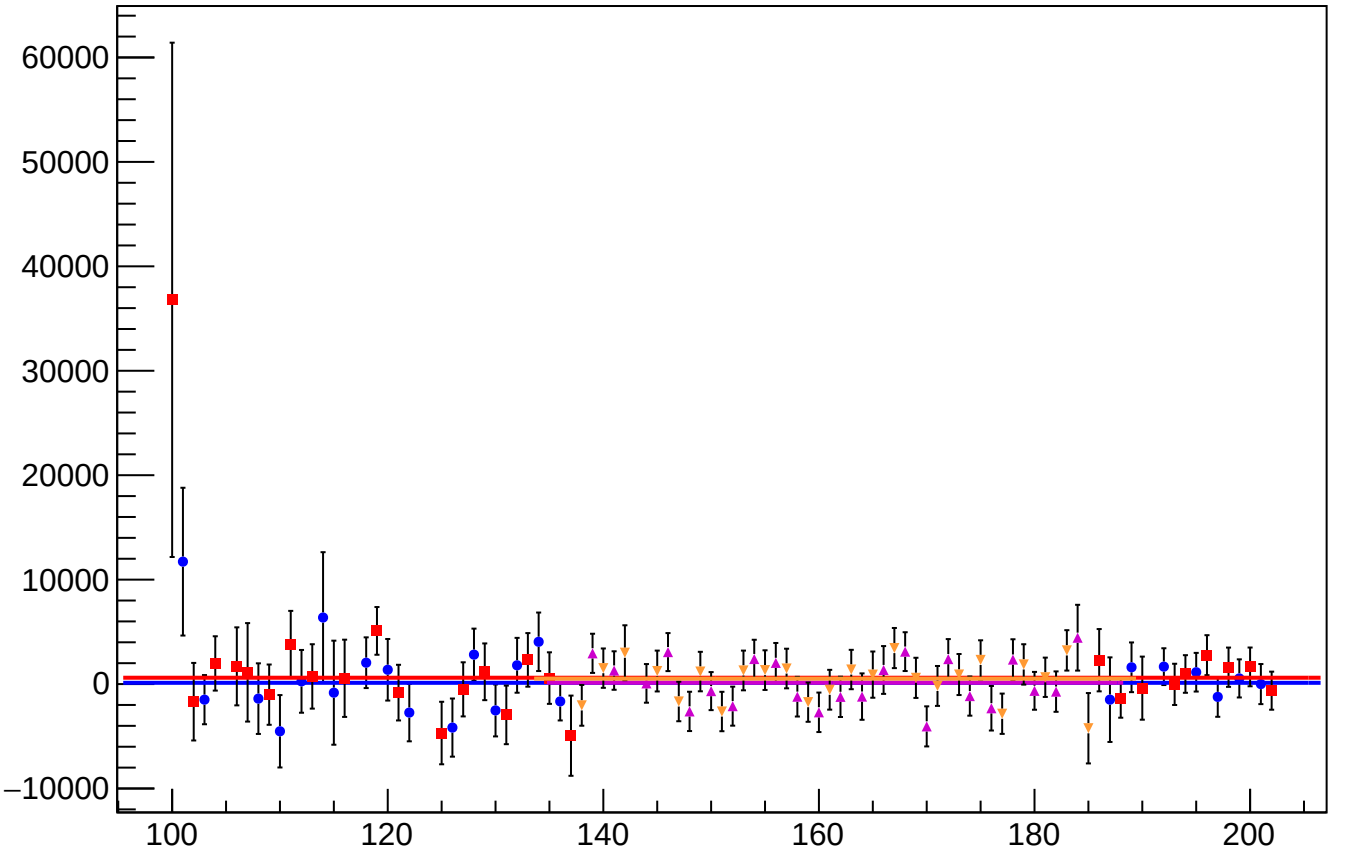
Right: -0.000+/-0.000 χ^2/NDF: 49.7/49

In: -0.000+/-0.000 χ^2/NDF:37.8/45

Out: 0.000+/-0.000 χ^2/NDF:61.1/50

All: 0.000+/-0.000 χ^2/NDF: 102.1/96


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7879080.5/22
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 10011008.5/26
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 18006500.3/49
In: 0.000+/-0.000 χ²/NDF:11458868.1/45
Out: 0.000+/-0.000 χ²/NDF:15238741.7/50
All: 0.000+/-0.000 χ²/NDF: 26759266.1/96



Right In: 120.001+/-520.777 χ^2/NDF: 18.2/22

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 607.610+/-488.200 χ^2/NDF: 19.9/26

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

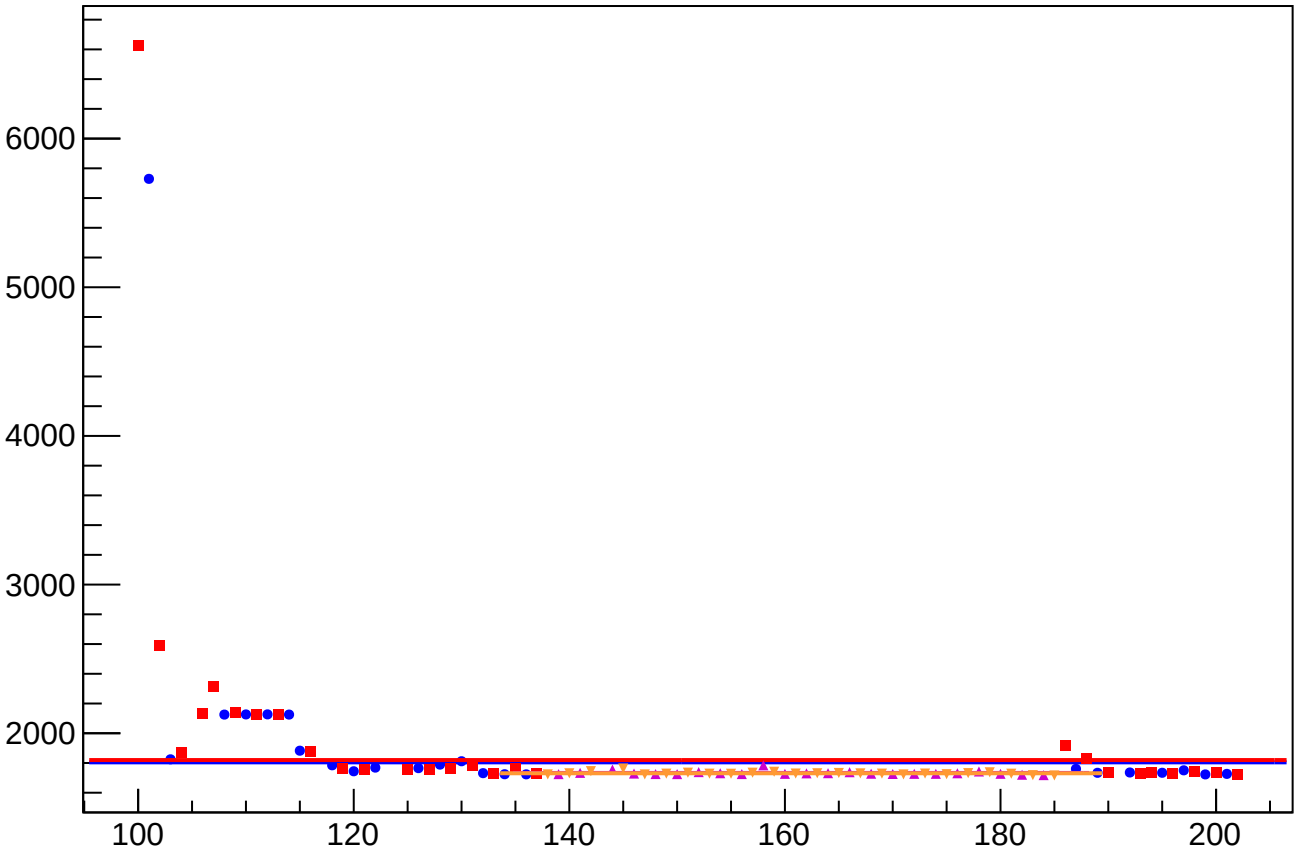
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 379.532+/-356.170 χ^2/NDF: 38.6/49

In: 123.761+/-319.520 χ^2/NDF:47.7/45

Out: 555.327+/-310.195 χ^2/NDF:40.7/50

All: 345.933+/-222.565 χ^2/NDF: 89.3/96



Right In: 1804.310+/-0.368 χ^2/NDF: 705325.7/22

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1819.686+/-0.345 χ^2/NDF: 302840.3/26

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

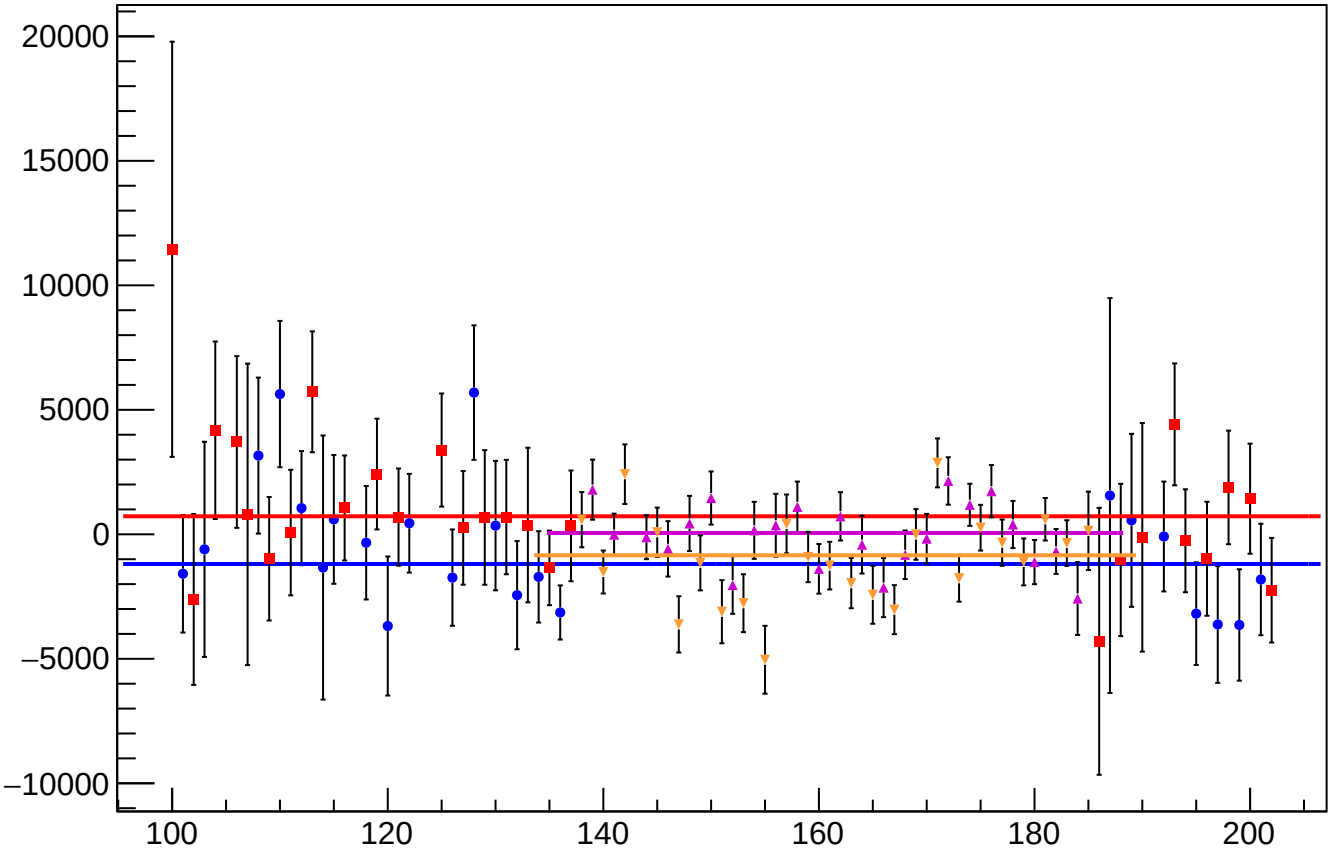
Right: 1812.494+/-0.252 χ^2/NDF: 1009093.9/49

In: 1759.848+/-0.226 χ^2/NDF:730942.0/45

Out: 1766.713+/-0.219 χ^2/NDF:343301.0/50

All: 1763.382+/-0.157 χ^2/NDF: 1074718.3/96

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1192.635+/-475.148 χ^2/NDF: 24.9/22

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 723.625+/-480.199 χ^2/NDF: 19.7/26

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

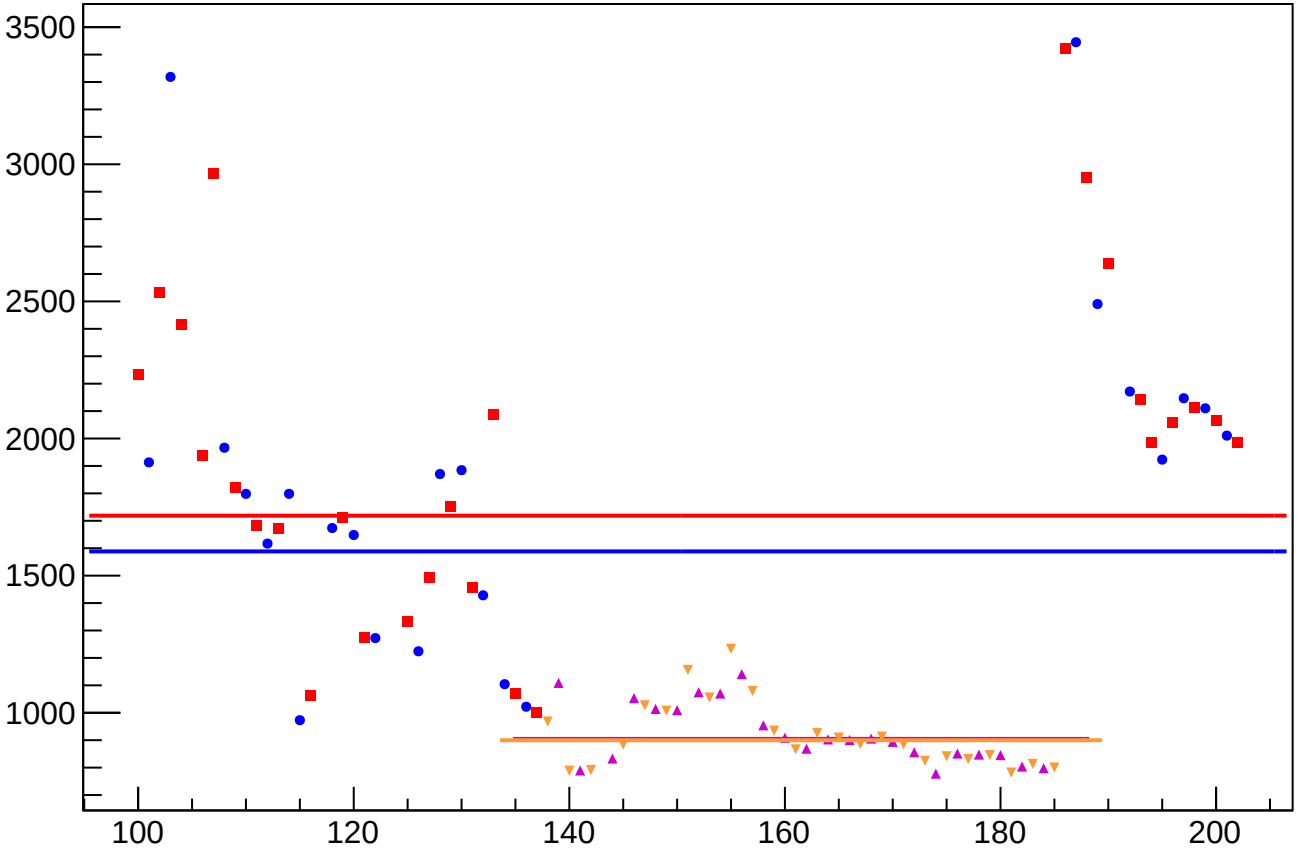
Right: -244.637+/-337.752 χ^2/NDF: 52.6/49

In: -154.624+/-194.338 χ^2/NDF:61.3/45

Out: -589.301+/-193.061 χ^2/NDF:91.3/50

All: -373.396+/-136.964 χ^2/NDF: 155.1/96

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1588.351+/-0.336 χ^2/NDF: 2110686.8/22

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1718.714+/-0.340 χ^2/NDF: 2193202.3/26

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

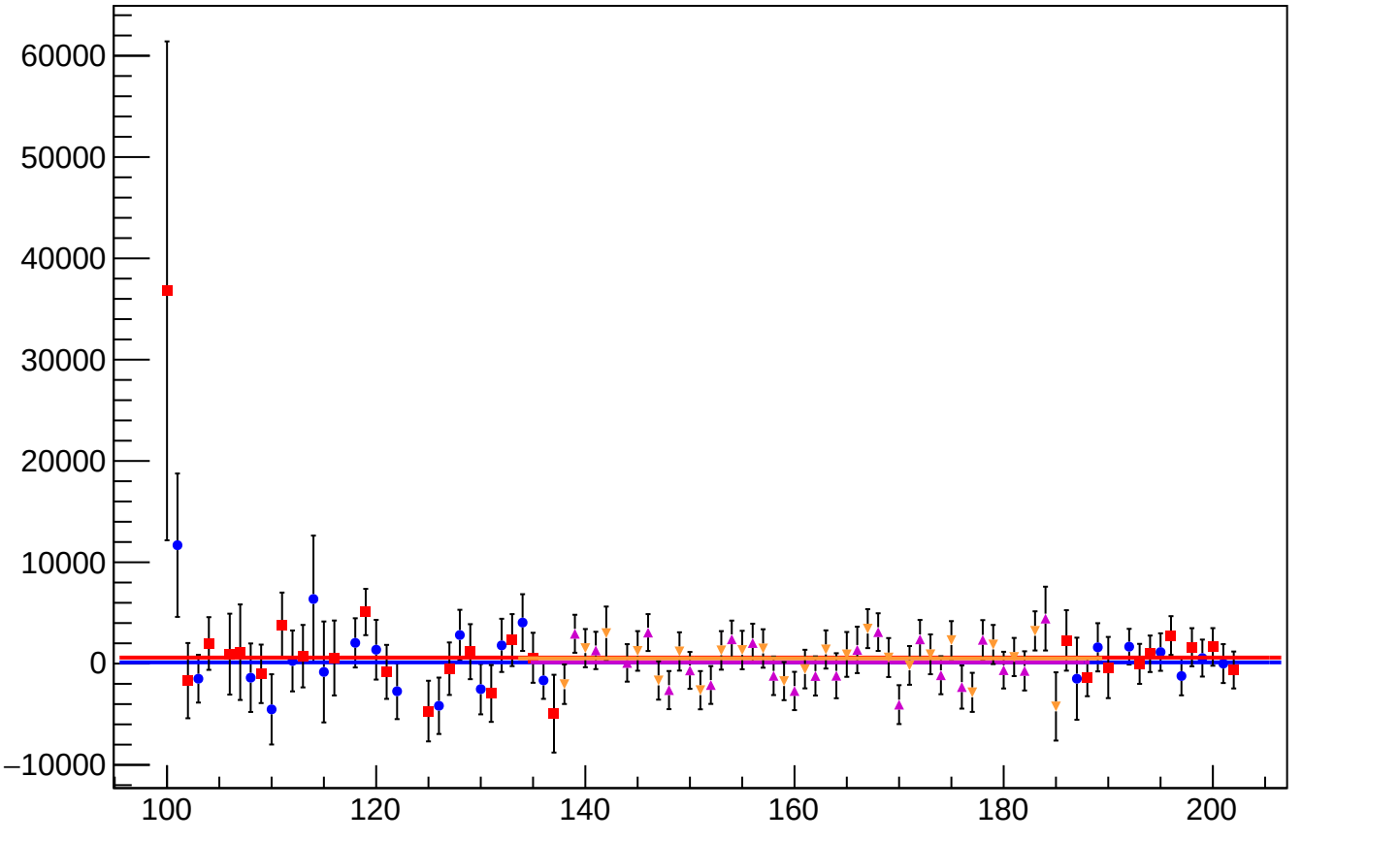
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1652.843+/-0.239 χ^2/NDF: 4378368.0/49

In: 1019.029+/-0.137 χ^2/NDF:6011145.1/45

Out: 1032.178+/-0.137 χ^2/NDF:7564747.0/50

All: 1025.646+/-0.097 χ^2/NDF: 13580500.4/9



Right In: 119.586+/-520.777 χ^2/NDF: 18.2/22

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 594.016+/-488.723 χ^2/NDF: 19.8/26

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

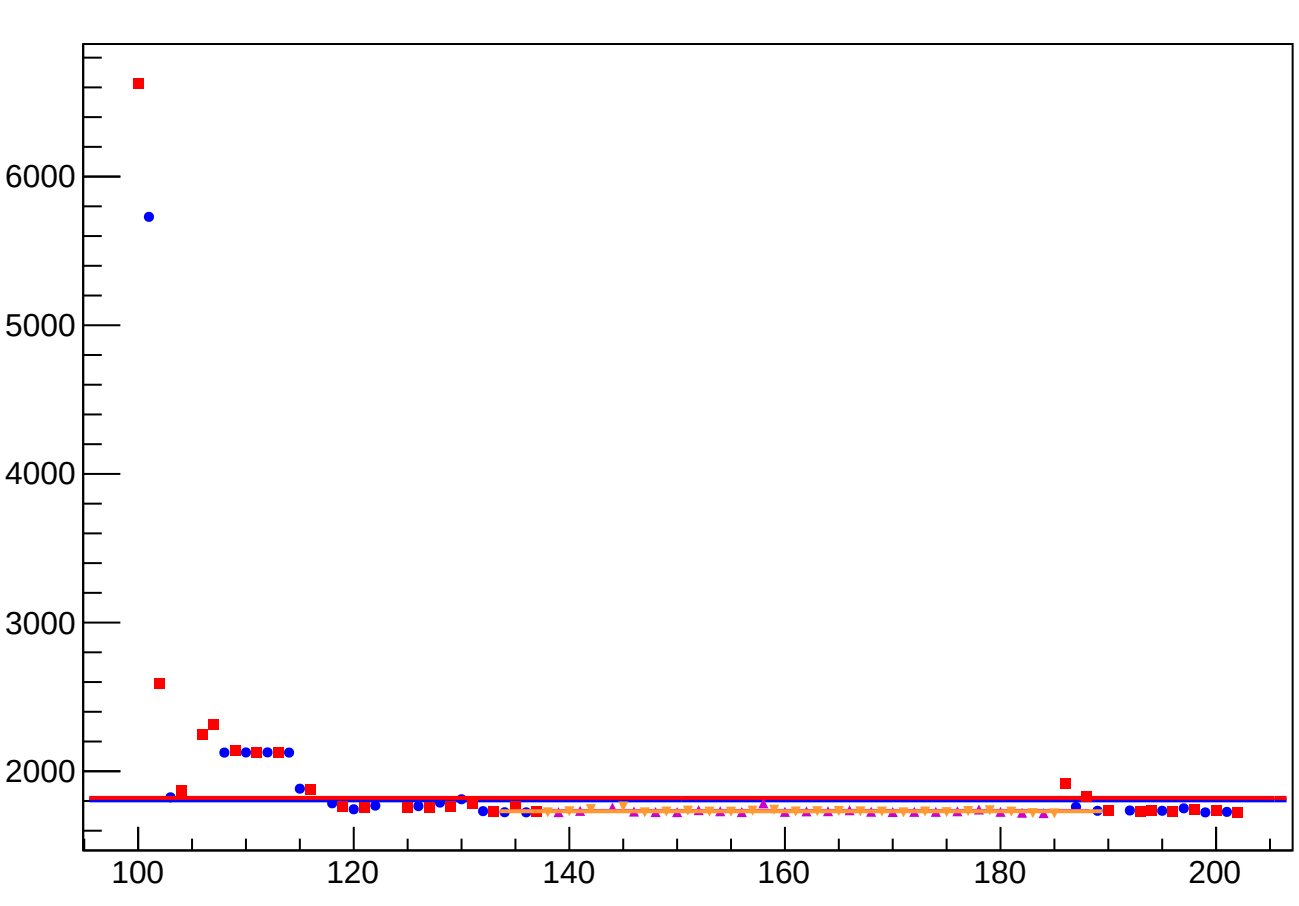
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 371.850+/-356.373 χ^2/NDF: 38.5/49

In: 123.643+/-319.520 χ^2/NDF:47.7/45

Out: 549.817+/-310.329 χ^2/NDF:40.6/50

All: 342.948+/-222.614 χ^2/NDF: 89.2/96



Right In: 1804.310+/-0.368 χ^2/NDF: 705325.6/22

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1820.762+/-0.346 χ^2/NDF: 311931.7/26

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

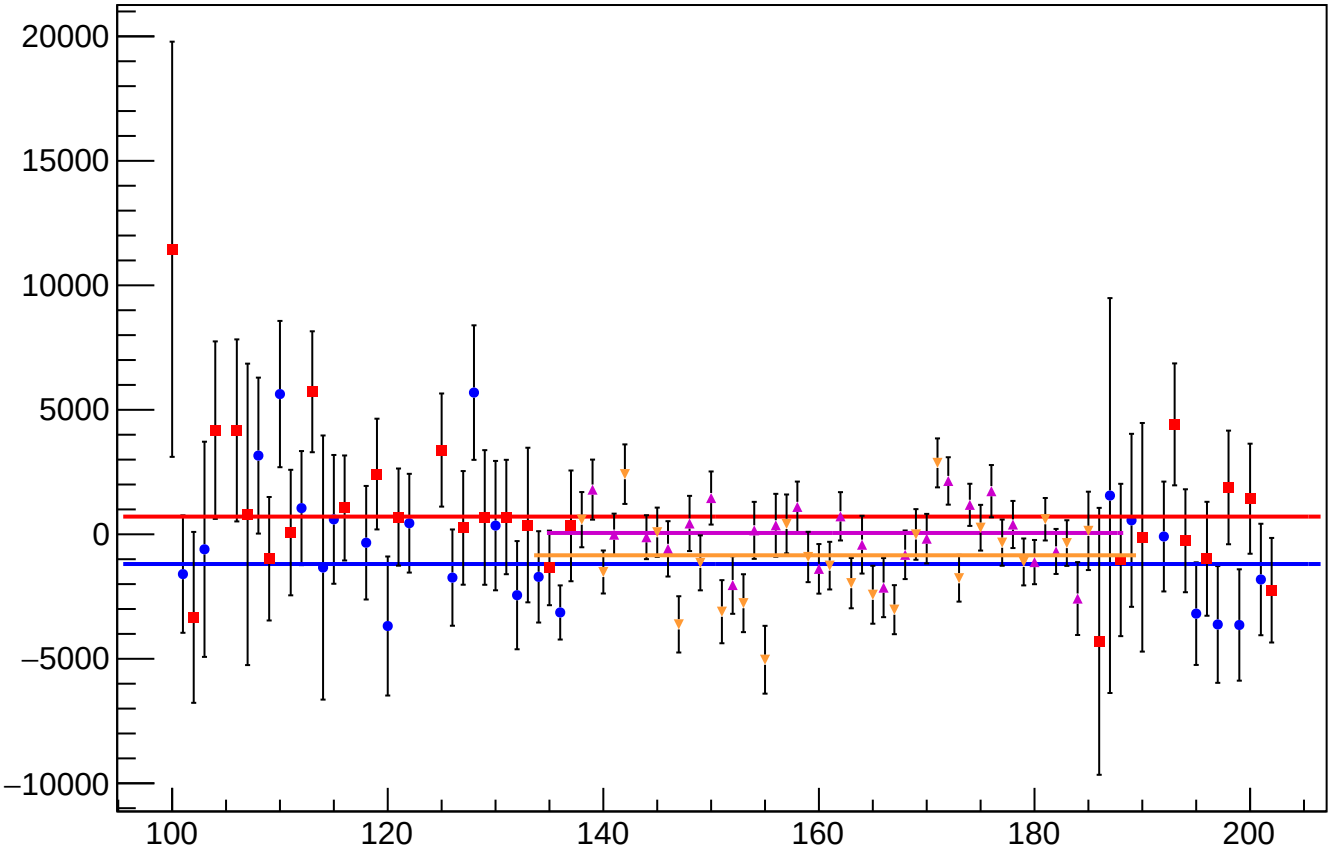
Right: 1813.058+/-0.252 χ^2/NDF: 1018318.6/49

In: 1759.848+/-0.226 χ^2/NDF:730941.9/45

Out: 1767.101+/-0.219 χ^2/NDF:353303.5/50

All: 1763.580+/-0.157 χ^2/NDF: 1084775.6/96

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1193.166+/-475.120 χ^2/NDF: 24.9/22

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 711.274+/-480.710 χ^2/NDF: 20.3/26

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

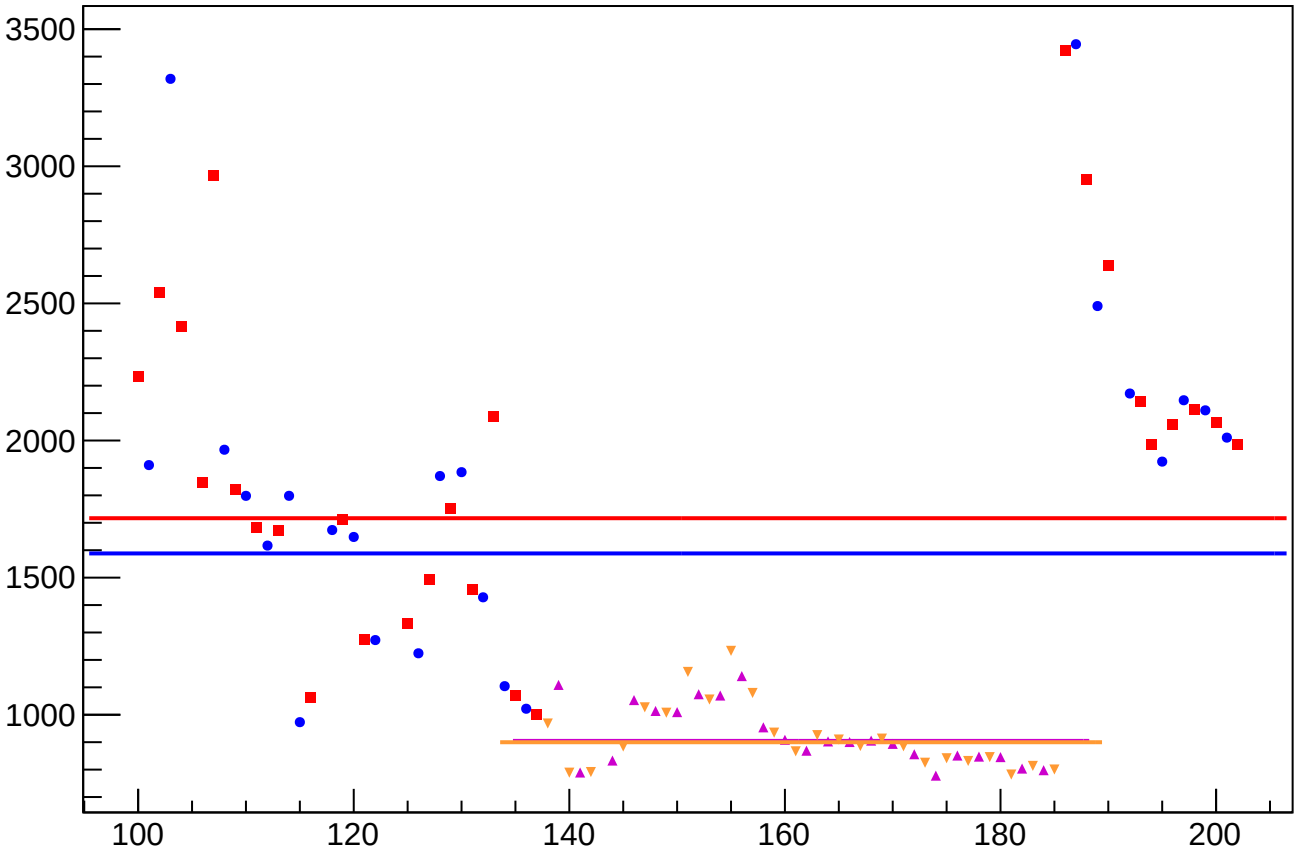
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -252.084+/-337.920 χ^2/NDF: 53.1/49

In: -154.713+/-194.336 χ^2/NDF:61.3/45

Out: -591.774+/-193.094 χ^2/NDF:91.8/50

All: -374.644+/-136.975 χ^2/NDF: 155.6/96



Right In: 1588.272+/-0.336 χ^2/NDF: 2110262.8/22

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1716.711+/-0.340 χ^2/NDF: 2189035.6/26

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

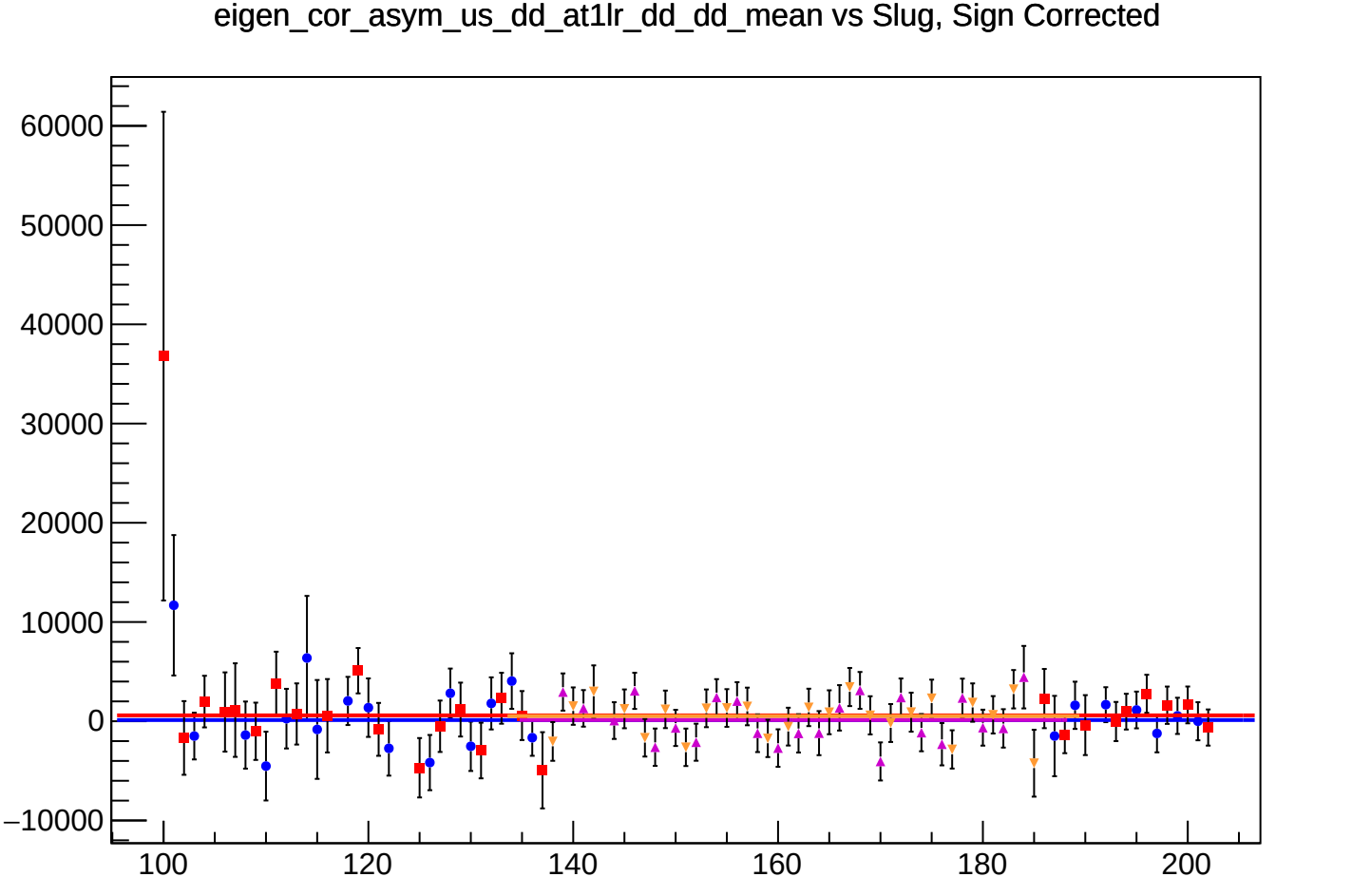
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1651.741+/-0.239 χ^2/NDF: 4371522.0/49

In: 1019.023+/-0.137 χ^2/NDF:6010304.5/45

Out: 1031.622+/-0.137 χ^2/NDF:7528026.0/50

All: 1025.363+/-0.097 χ^2/NDF: 13542560.1/9



Right In: 119.586+/-520.777 χ^2/NDF: 18.2/22

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 594.016+/-488.723 χ^2/NDF: 19.8/26

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

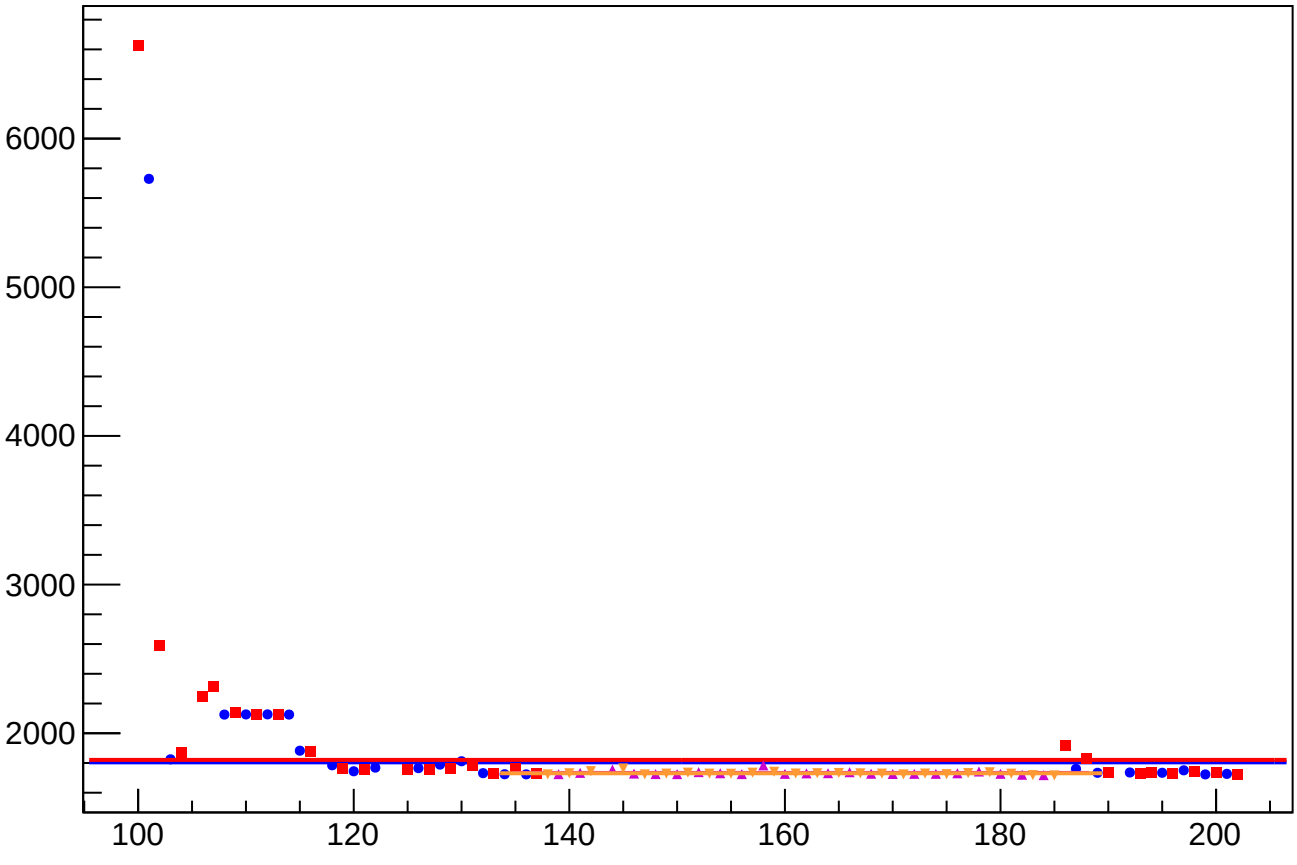
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 371.850+/-356.373 χ^2/NDF: 38.5/49

In: 123.643+/-319.520 χ^2/NDF:47.7/45

Out: 549.817+/-310.329 χ^2/NDF:40.6/50

All: 342.948+/-222.614 χ^2/NDF: 89.2/96



Right In: 1804.310+/-0.368 χ^2/NDF: 705325.6/22

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1820.762+/-0.346 χ^2/NDF: 311931.7/26

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

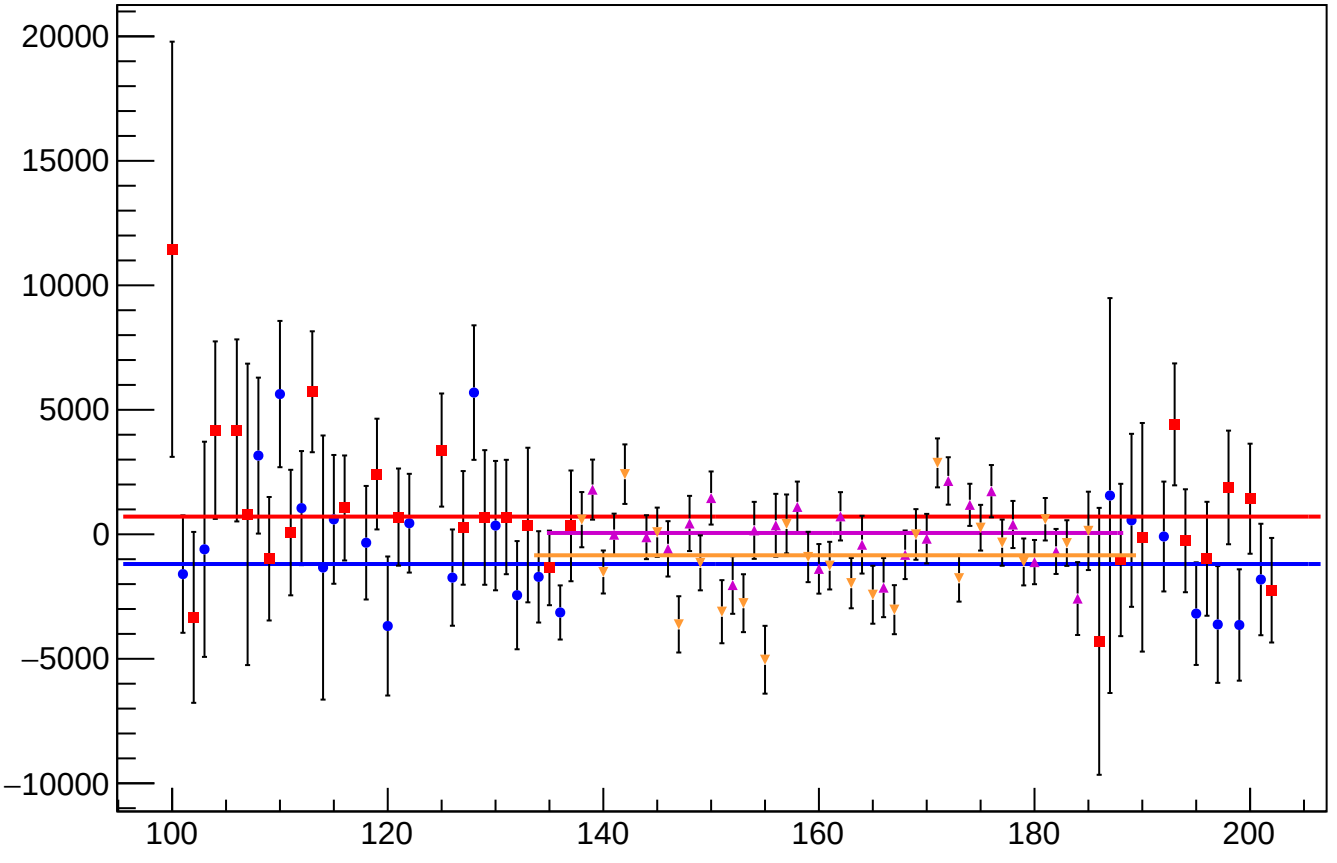
Right: 1813.058+/-0.252 χ^2/NDF: 1018318.6/49

In: 1759.848+/-0.226 χ^2/NDF:730941.9/45

Out: 1767.101+/-0.219 χ^2/NDF:353303.5/50

All: 1763.580+/-0.157 χ^2/NDF: 1084775.6/96

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1193.166+/-475.120 χ^2/NDF: 24.9/22

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 711.274+/-480.710 χ^2/NDF: 20.3/26

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

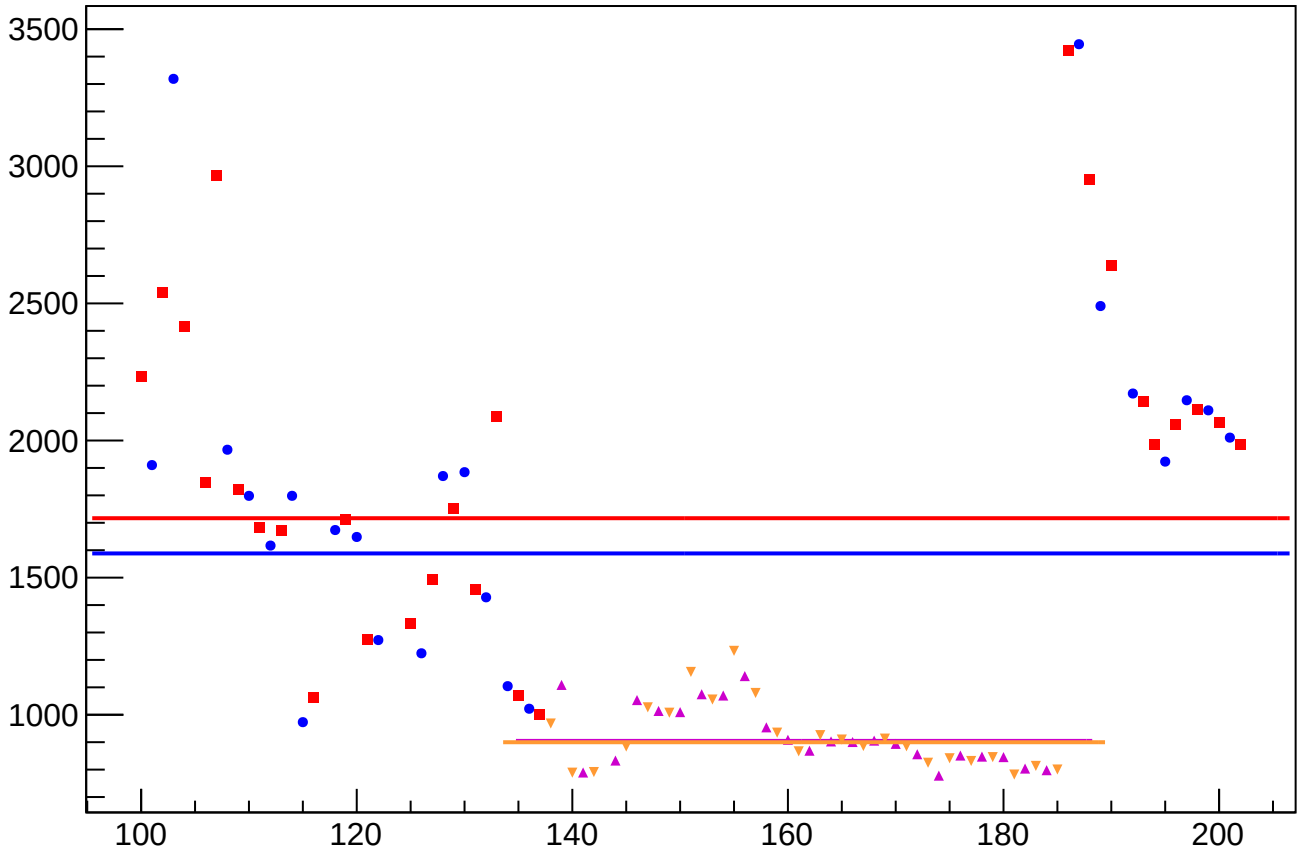
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -252.084+/-337.920 χ^2/NDF: 53.1/49

In: -154.713+/-194.336 χ^2/NDF:61.3/45

Out: -591.774+/-193.094 χ^2/NDF:91.8/50

All: -374.644+/-136.975 χ^2/NDF: 155.6/96



Right In: 1588.272+/-0.336 χ^2/NDF: 2110262.8/22

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1716.711+/-0.340 χ^2/NDF: 2189035.6/26

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

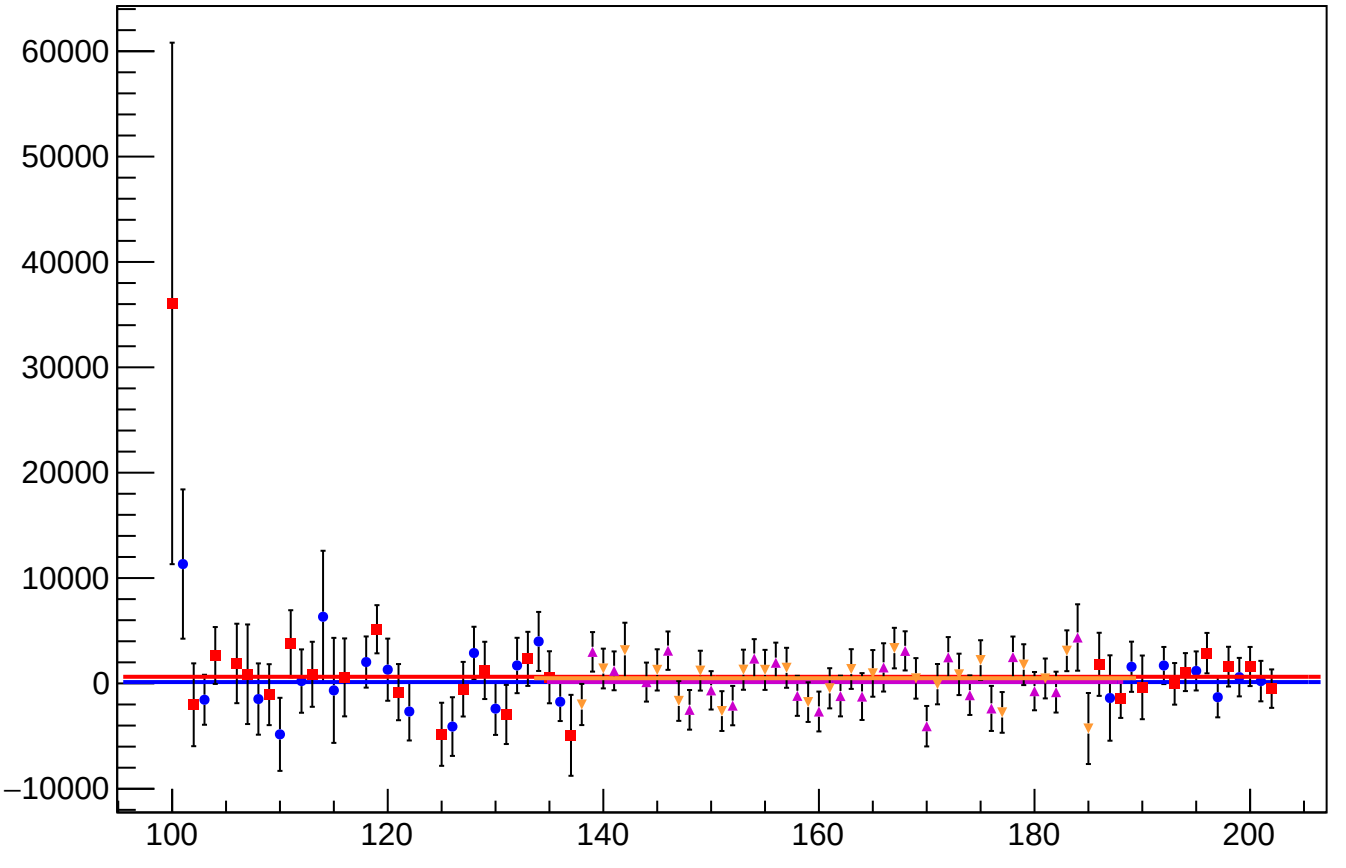
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1651.741+/-0.239 χ^2/NDF: 4371522.0/49

In: 1019.023+/-0.137 χ^2/NDF:6010304.5/45

Out: 1031.622+/-0.137 χ^2/NDF:7528026.0/50

All: 1025.363+/-0.097 χ^2/NDF: 13542560.1/9



Right In: 127.140+/-521.402 χ^2/NDF: 18.2/22

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 629.182+/-489.820 χ^2/NDF: 20.3/26

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

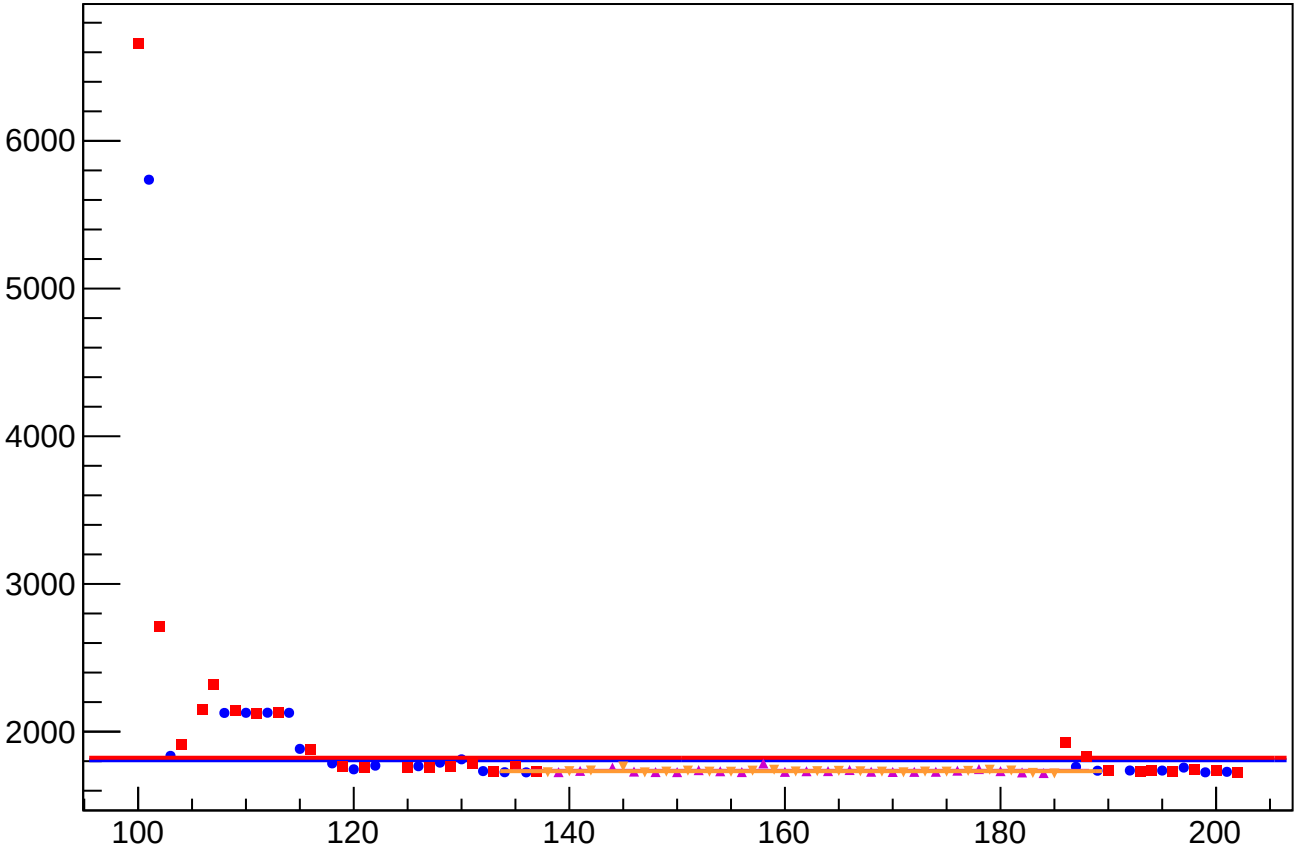
Right: 393.825+/-356.998 χ^2/NDF: 39.0/49

In: 133.391+/-319.844 χ^2/NDF:47.8/45

Out: 548.954+/-310.778 χ^2/NDF:40.4/50

All: 347.146+/-222.889 χ^2/NDF: 89.1/96

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1806.306+/-0.369 χ^2/NDF: 705533.2/22

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1823.308+/-0.346 χ^2/NDF: 322380.9/26

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

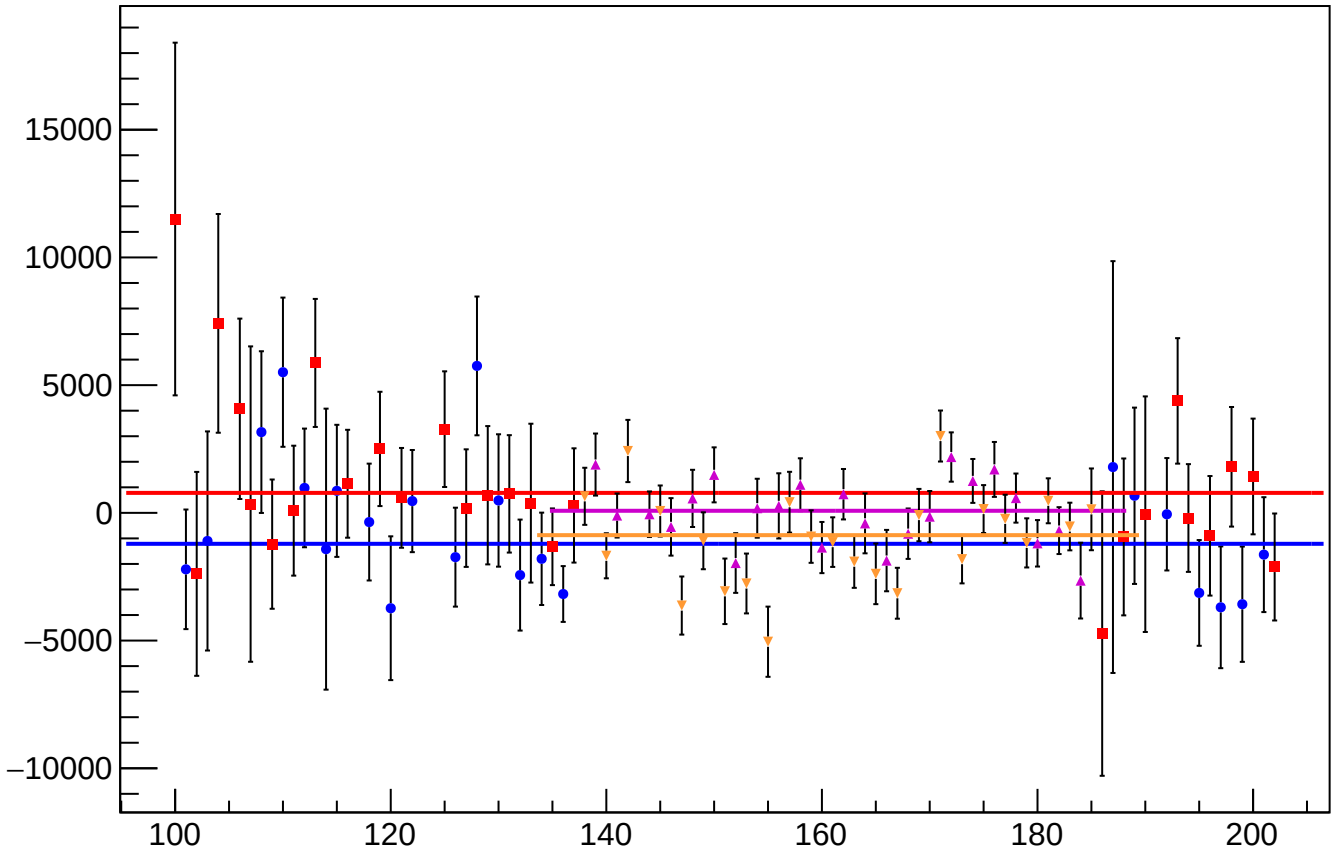
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

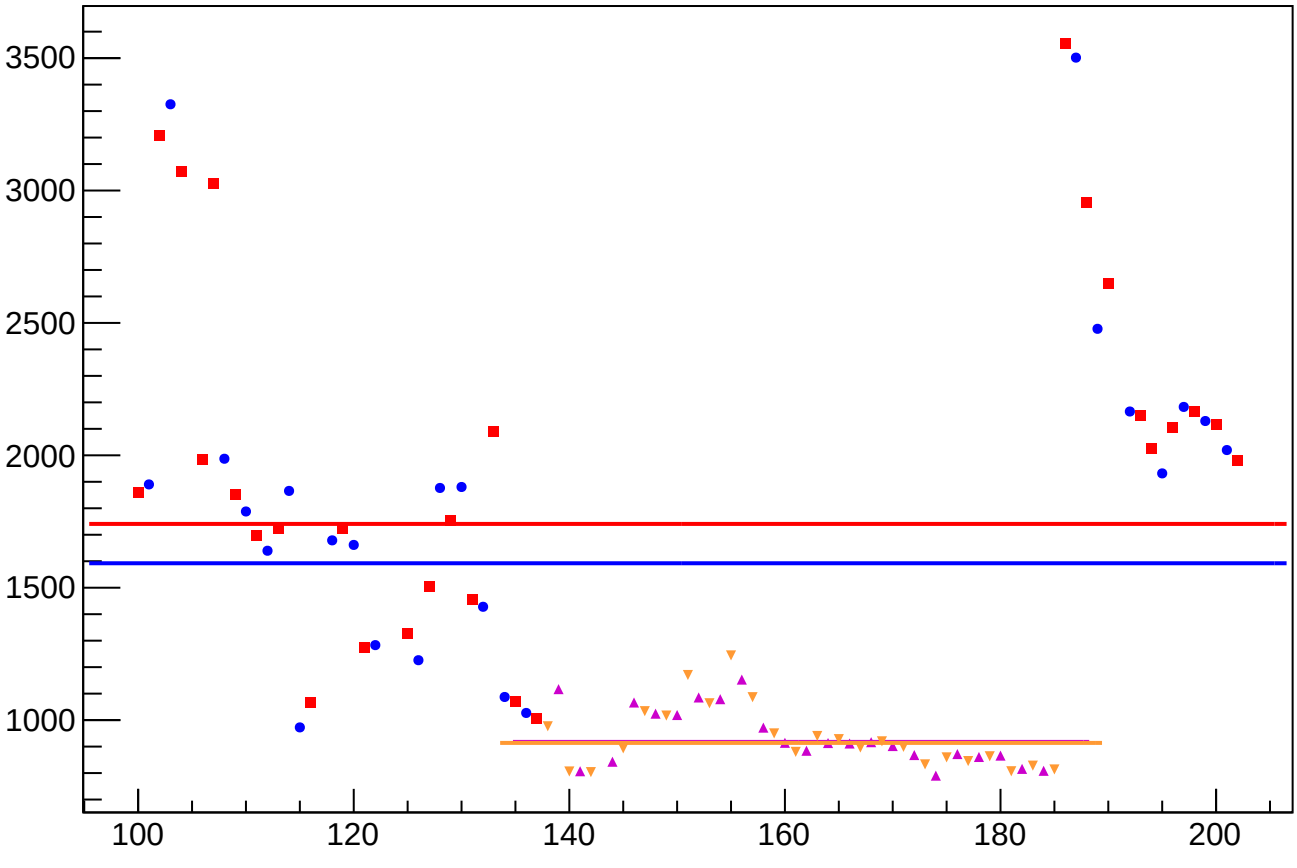
Right: 1815.337+/-0.252 χ^2/NDF: 1029043.7/49

In: 1761.563+/-0.226 χ^2/NDF:731362.0/45

Out: 1768.989+/-0.220 χ^2/NDF:364459.9/50

All: 1765.382+/-0.158 χ^2/NDF: 1096376.5/96


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1211.669+/-476.457 χ²/NDF: 25.1/22
Left Out: -872.827+/-214.008 χ²/NDF:62.0/23
Right Out: 781.973+/-486.739 χ²/NDF: 21.5/26
Left In: 81.519+/-215.913 χ²/NDF:30.0/22
Left: -399.884+/-151.996 χ²/NDF: 101.8/46
Right: -236.127+/-340.483 χ²/NDF: 55.1/49
In: -138.802+/-196.662 χ²/NDF:61.2/45
Out: -604.752+/-195.908 χ²/NDF:93.2/50
All: -372.673+/-138.794 χ²/NDF: 157.2/96



Right In: 1592.349+/-0.337 χ^2/NDF: 2134343.1/22

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1740.916+/-0.344 χ^2/NDF: 2530670.3/26

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

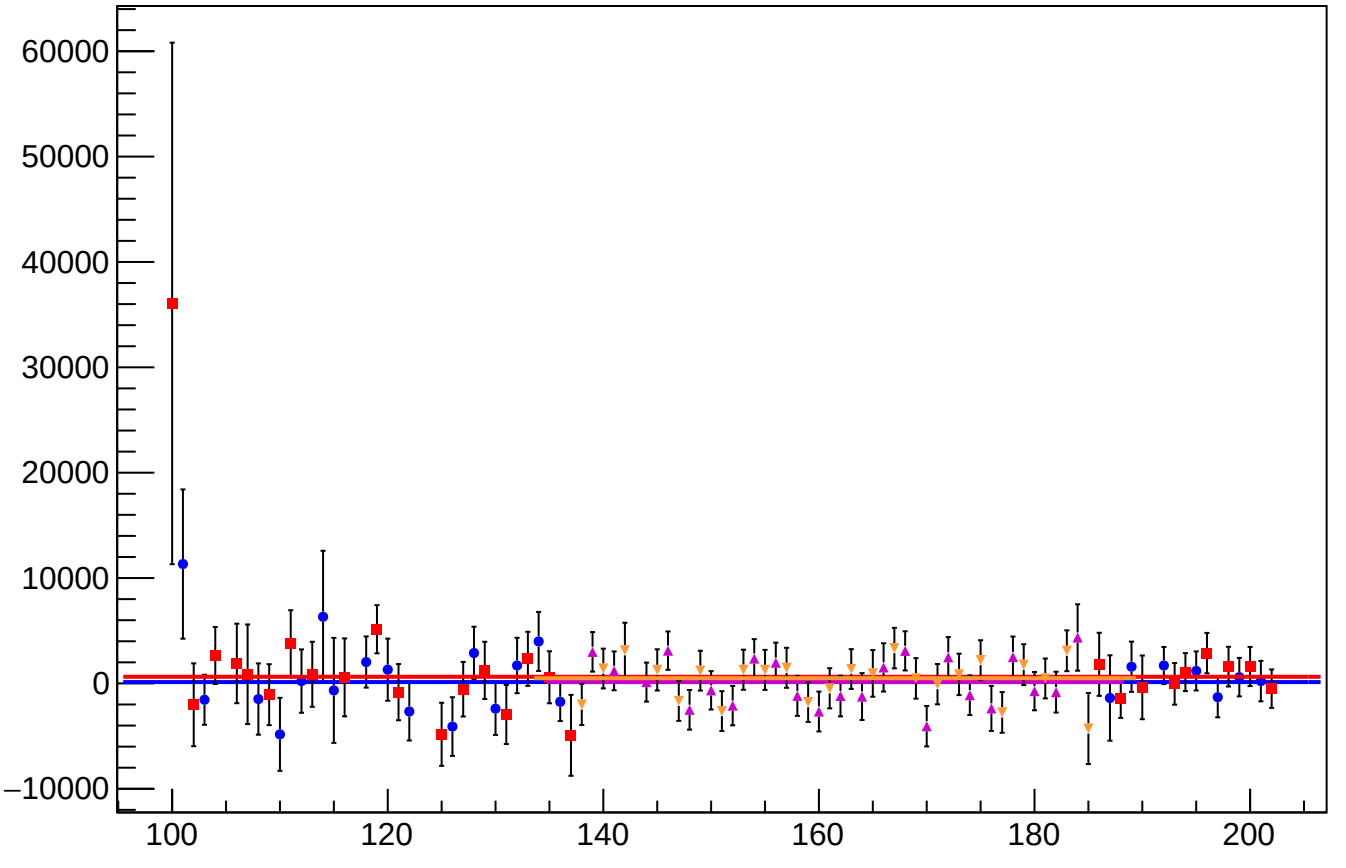
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1665.047+/-0.241 χ^2/NDF: 4760167.9/49

In: 1032.619+/-0.139 χ^2/NDF:5891860.3/45

Out: 1047.874+/-0.139 χ^2/NDF:7832038.1/50

All: 1040.276+/-0.098 χ^2/NDF: 13729938.9/9



Right In: 127.142+/-521.402 χ^2/NDF: 18.2/22

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 629.182+/-489.820 χ^2/NDF: 20.3/26

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

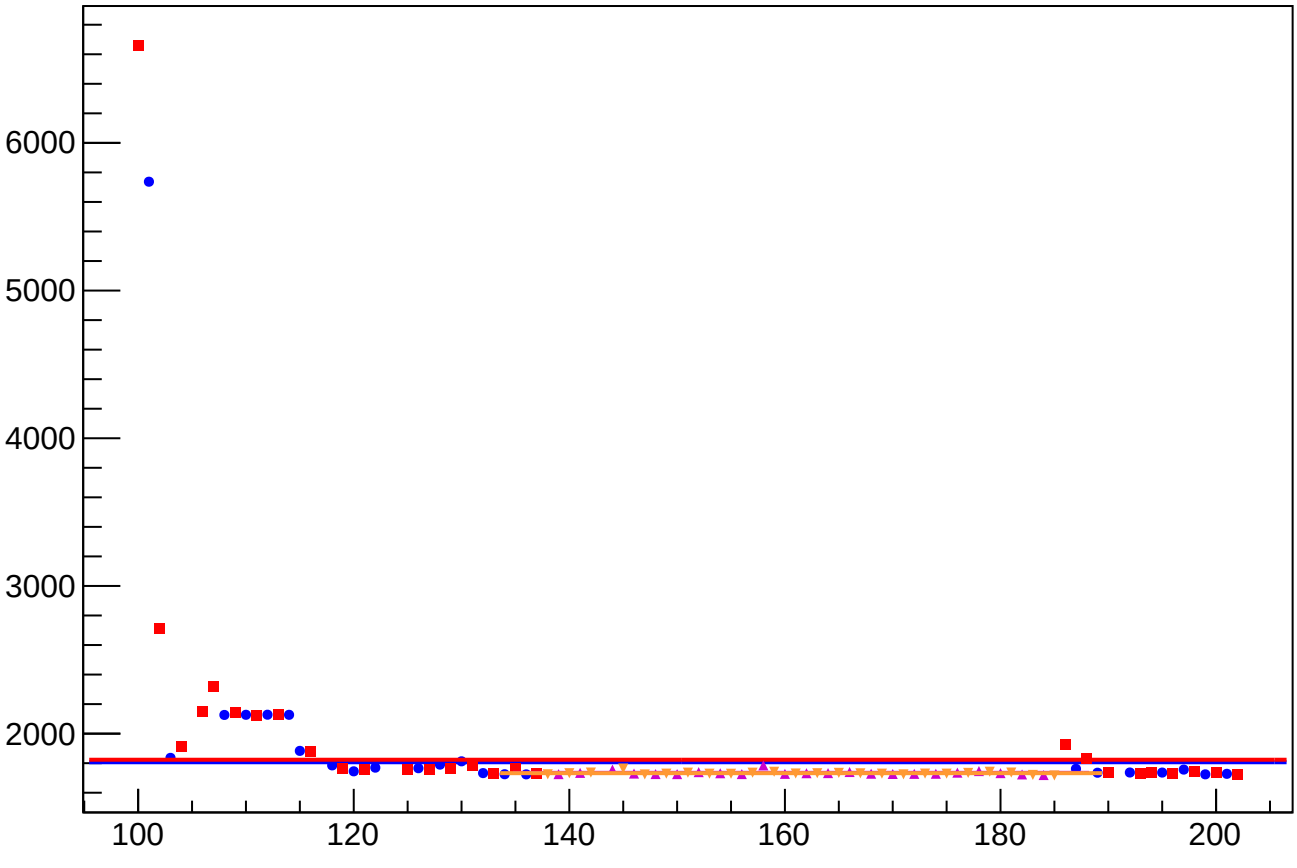
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 393.826+/-356.998 χ^2/NDF: 39.0/49

In: 133.392+/-319.844 χ^2/NDF:47.8/45

Out: 548.954+/-310.778 χ^2/NDF:40.4/50

All: 347.146+/-222.889 χ^2/NDF: 89.1/96



Right In: 1806.306+/-0.369 χ^2/NDF: 705533.1/22

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1823.308+/-0.346 χ^2/NDF: 322380.6/26

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

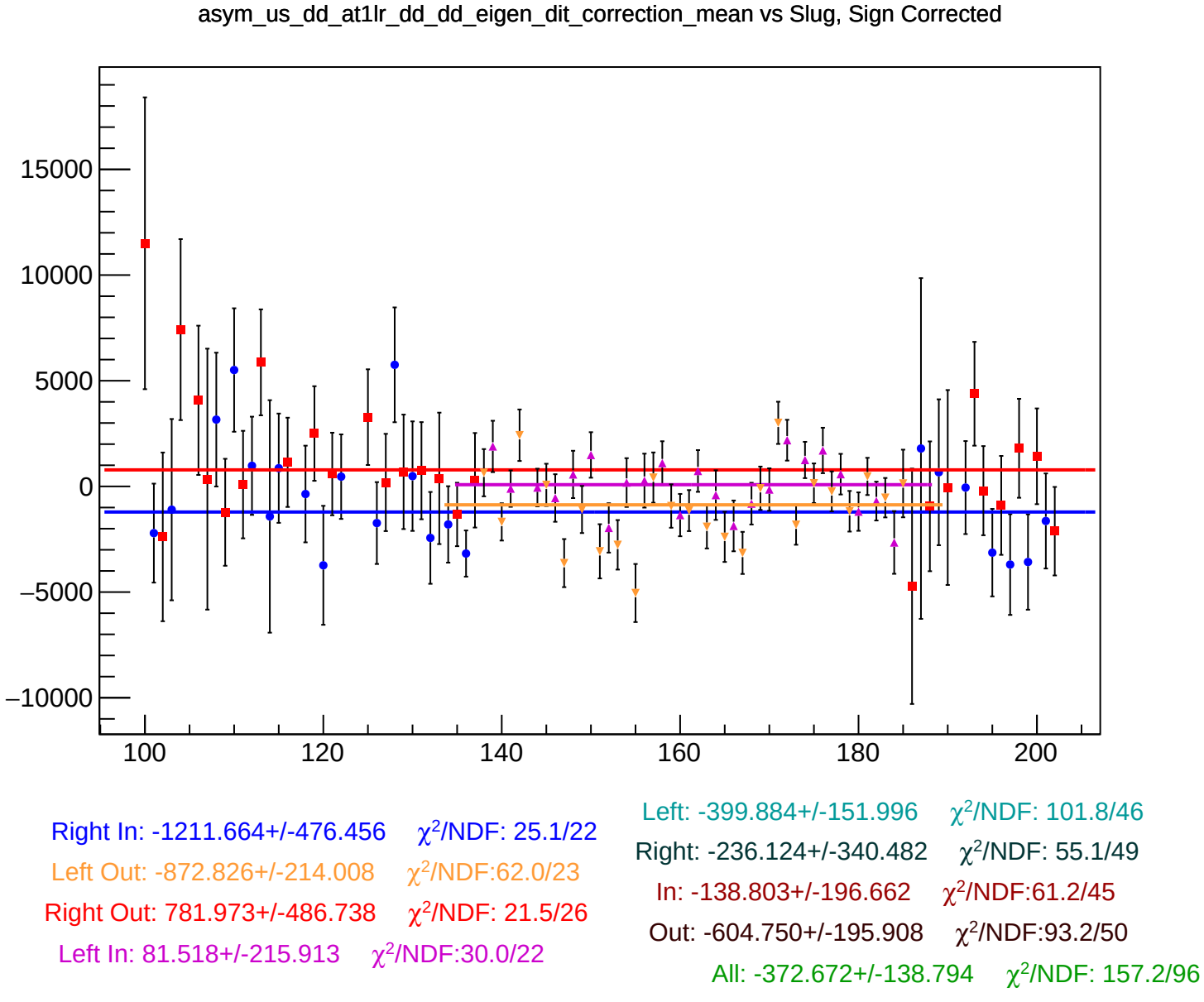
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

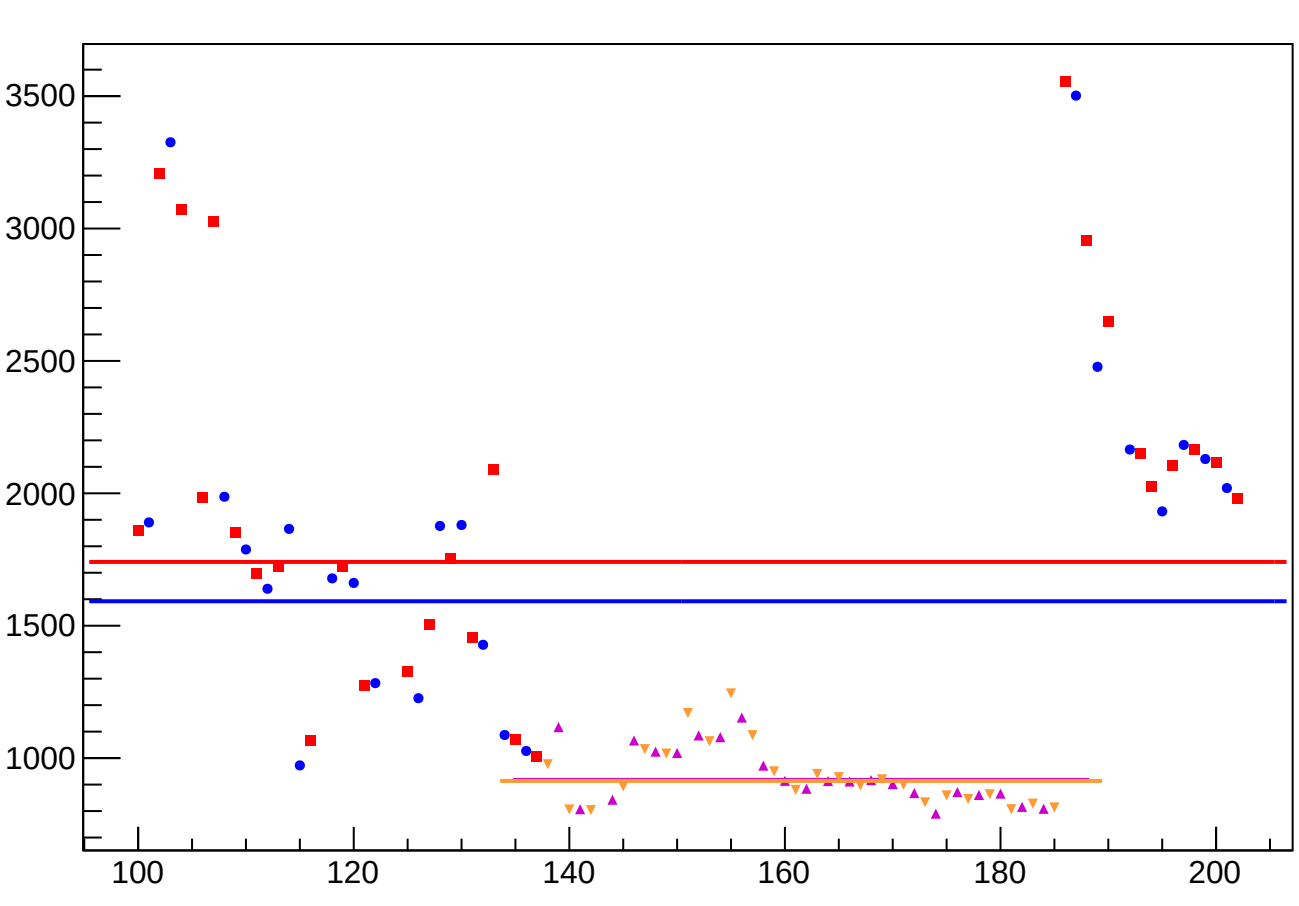
Right: 1815.337+/-0.252 χ^2/NDF: 1029043.4/49

In: 1761.563+/-0.226 χ^2/NDF:731362.0/45

Out: 1768.989+/-0.220 χ^2/NDF:364459.6/50

All: 1765.382+/-0.158 χ^2/NDF: 1096376.2/96


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1211.664+/-476.456 χ²/NDF: 25.1/22
Left Out: -872.826+/-214.008 χ²/NDF:62.0/23
Right Out: 781.973+/-486.738 χ²/NDF: 21.5/26
Left In: 81.518+/-215.913 χ²/NDF:30.0/22
Left: -399.884+/-151.996 χ²/NDF: 101.8/46
Right: -236.124+/-340.482 χ²/NDF: 55.1/49
In: -138.803+/-196.662 χ²/NDF:61.2/45
Out: -604.750+/-195.908 χ²/NDF:93.2/50
All: -372.672+/-138.794 χ²/NDF: 157.2/96



Right In: 1592.345+/-0.337 χ^2/NDF: 2134350.3/22

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1740.914+/-0.344 χ^2/NDF: 2530679.8/26

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

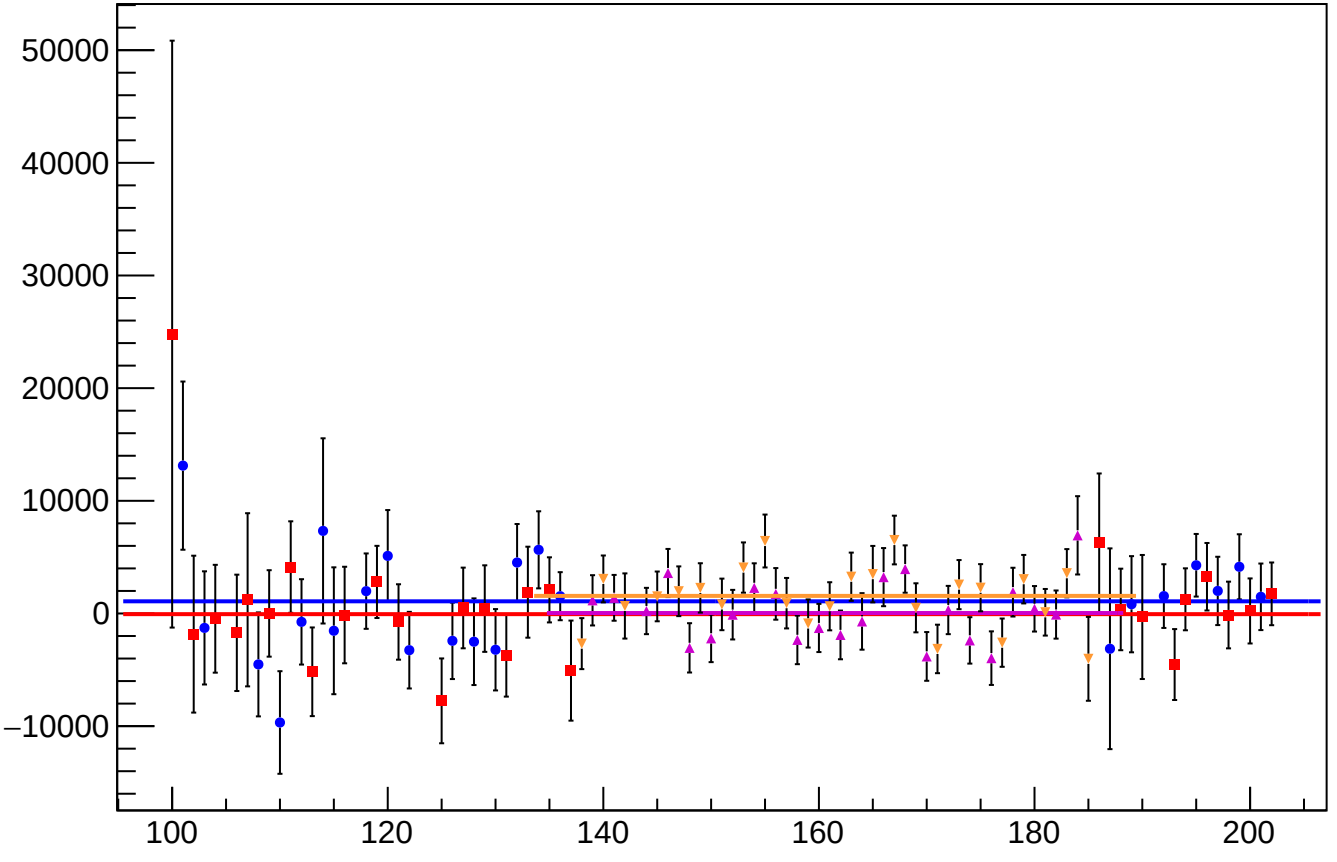
Right: 1665.044+/-0.241 χ^2/NDF: 4760185.6/49

In: 1032.618+/-0.139 χ^2/NDF:5891862.4/45

Out: 1047.874+/-0.139 χ^2/NDF:7832042.2/50

All: 1040.275+/-0.098 χ^2/NDF: 13729945.4/9

asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 1079.317+/-746.942 χ^2/NDF: 22.6/22

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -59.659+/-721.331 χ^2/NDF: 17.0/26

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

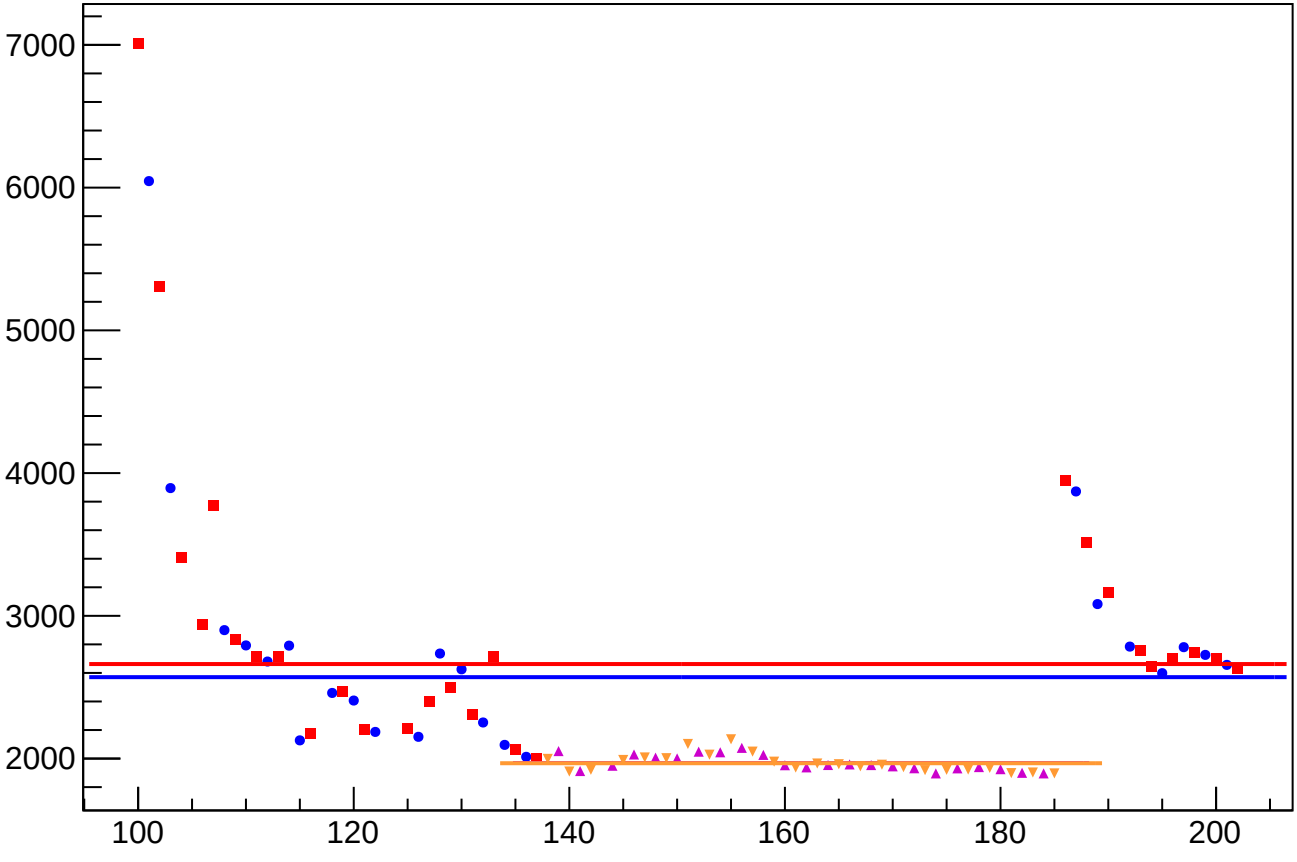
Right: 489.968+/-518.876 χ^2/NDF: 40.8/49

In: 325.647+/-391.644 χ^2/NDF:51.8/45

Out: 1097.234+/-385.974 χ^2/NDF:51.8/50

All: 717.066+/-274.907 χ^2/NDF: 105.6/96

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2570.406+/-0.528 χ^2/NDF: 961422.7/22

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2662.242+/-0.510 χ^2/NDF: 926569.2/26

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

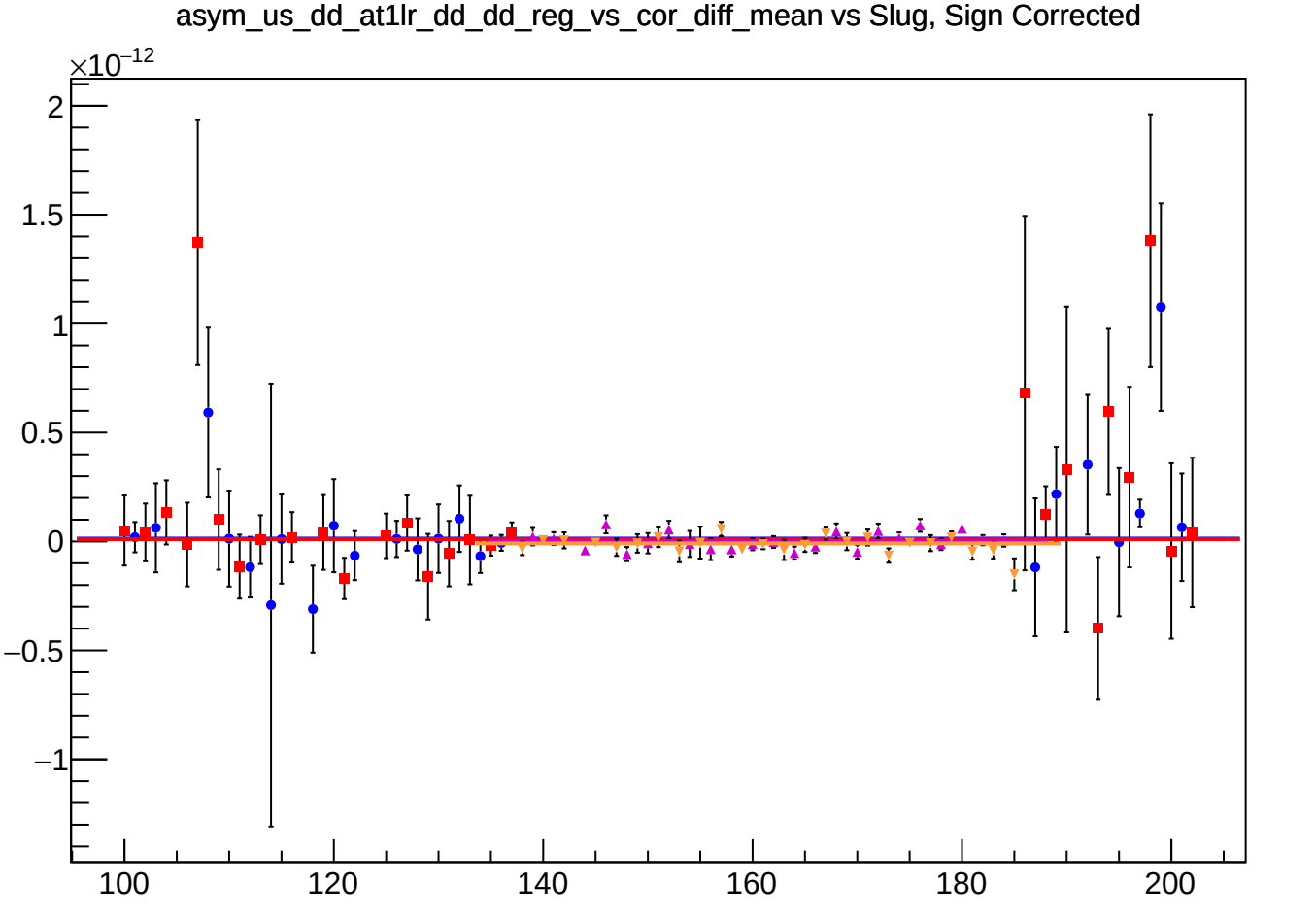
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2617.925+/-0.367 χ^2/NDF: 1903635.8/49

In: 2134.355+/-0.277 χ^2/NDF:1927980.6/45

Out: 2166.356+/-0.273 χ^2/NDF:2285191.2/50

All: 2150.589+/-0.194 χ^2/NDF: 4219945.6/96



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

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/26

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

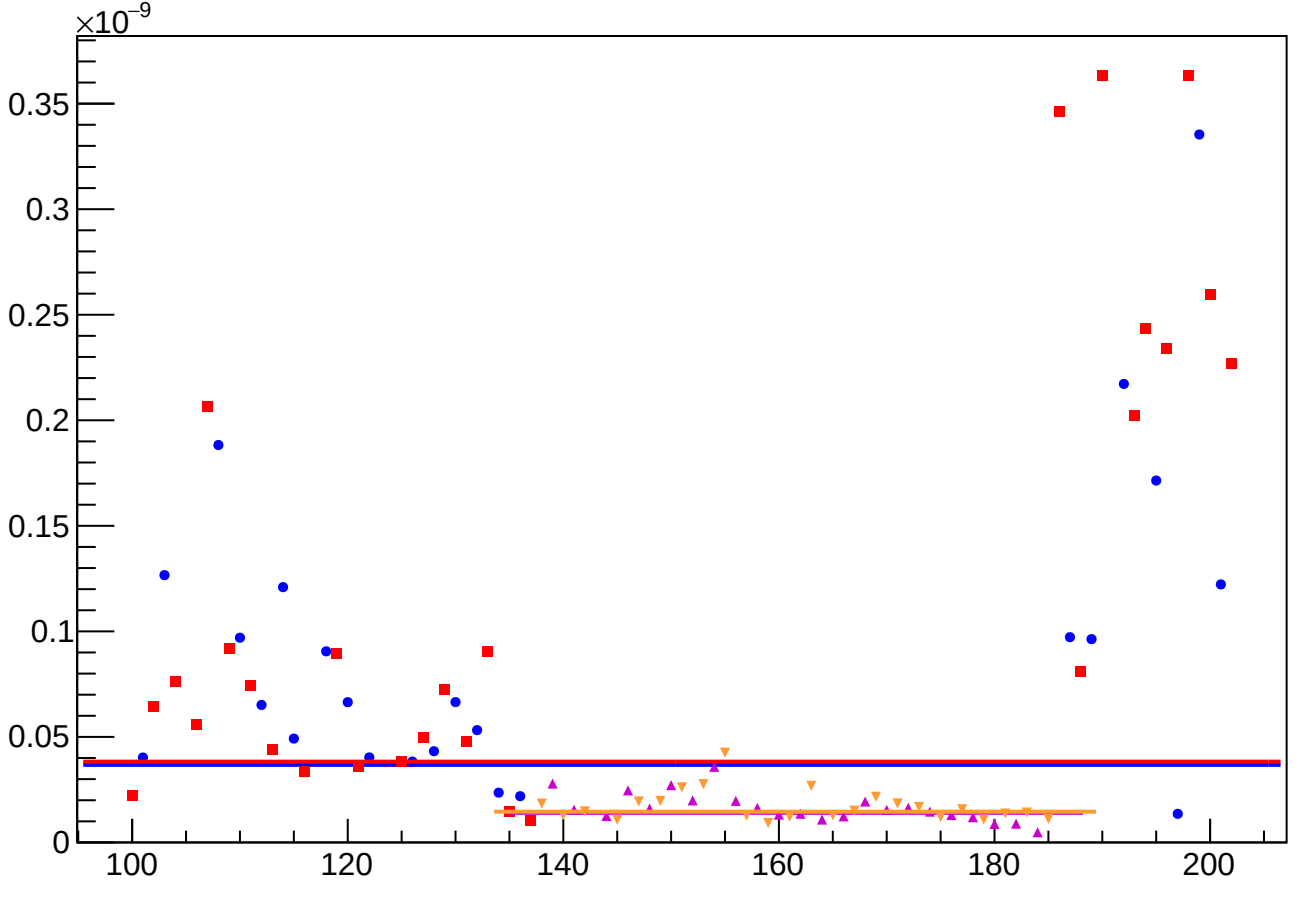
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 43.8/49

In: 0.000+/-0.000 χ^2/NDF:58.0/45

Out: -0.000+/-0.000 χ^2/NDF:46.3/50

All: -0.000+/-0.000 χ^2/NDF: 105.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 4090581.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6474496.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

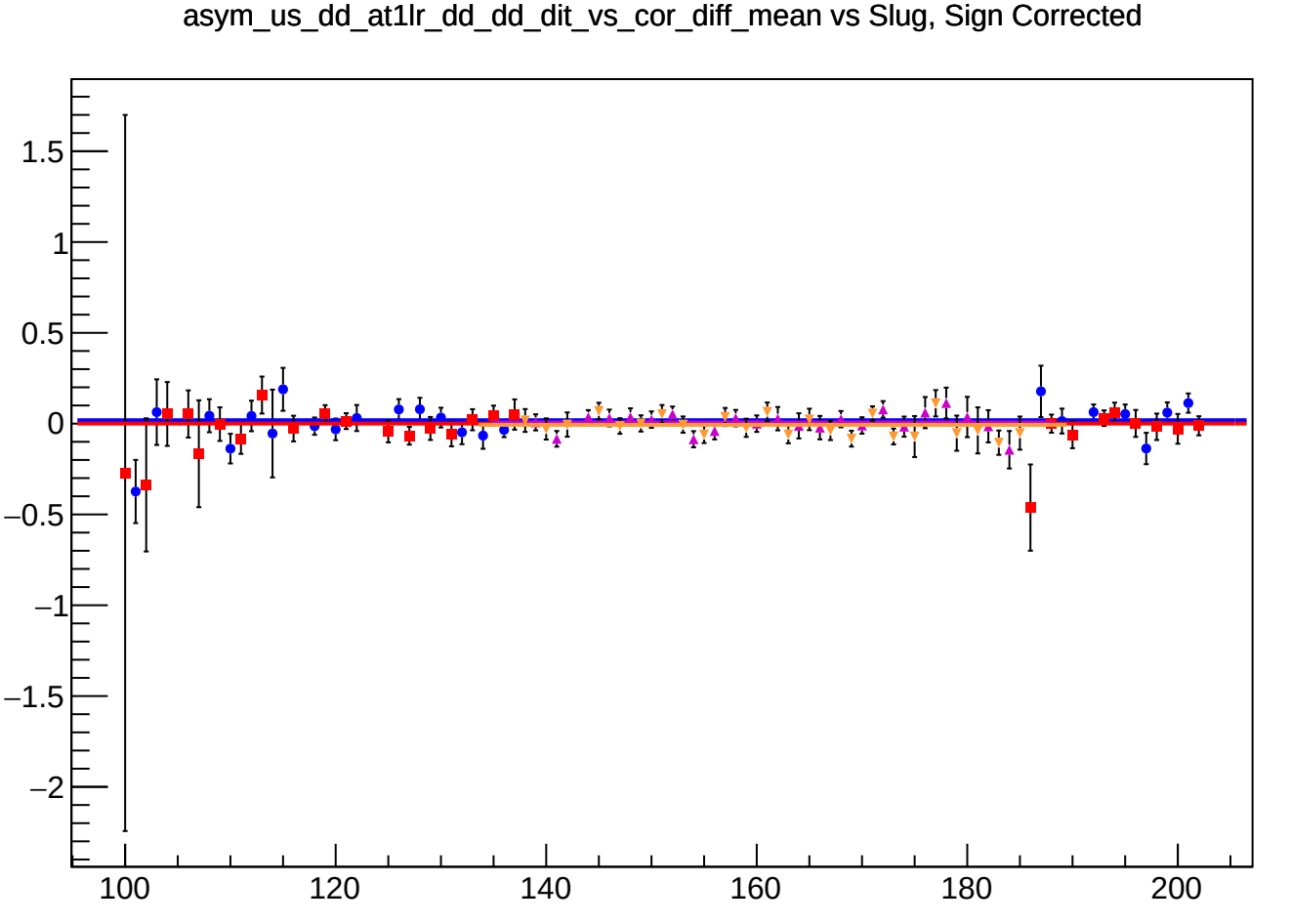
Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

Right: 0.000+/-0.000 χ^2/NDF: 10569368.3/49

In: 0.000+/-0.000 χ^2/NDF:7419749.3/45

Out: 0.000+/-0.000 χ^2/NDF:9520296.0/50

All: 0.000+/-0.000 χ^2/NDF: 16947473.0/96



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

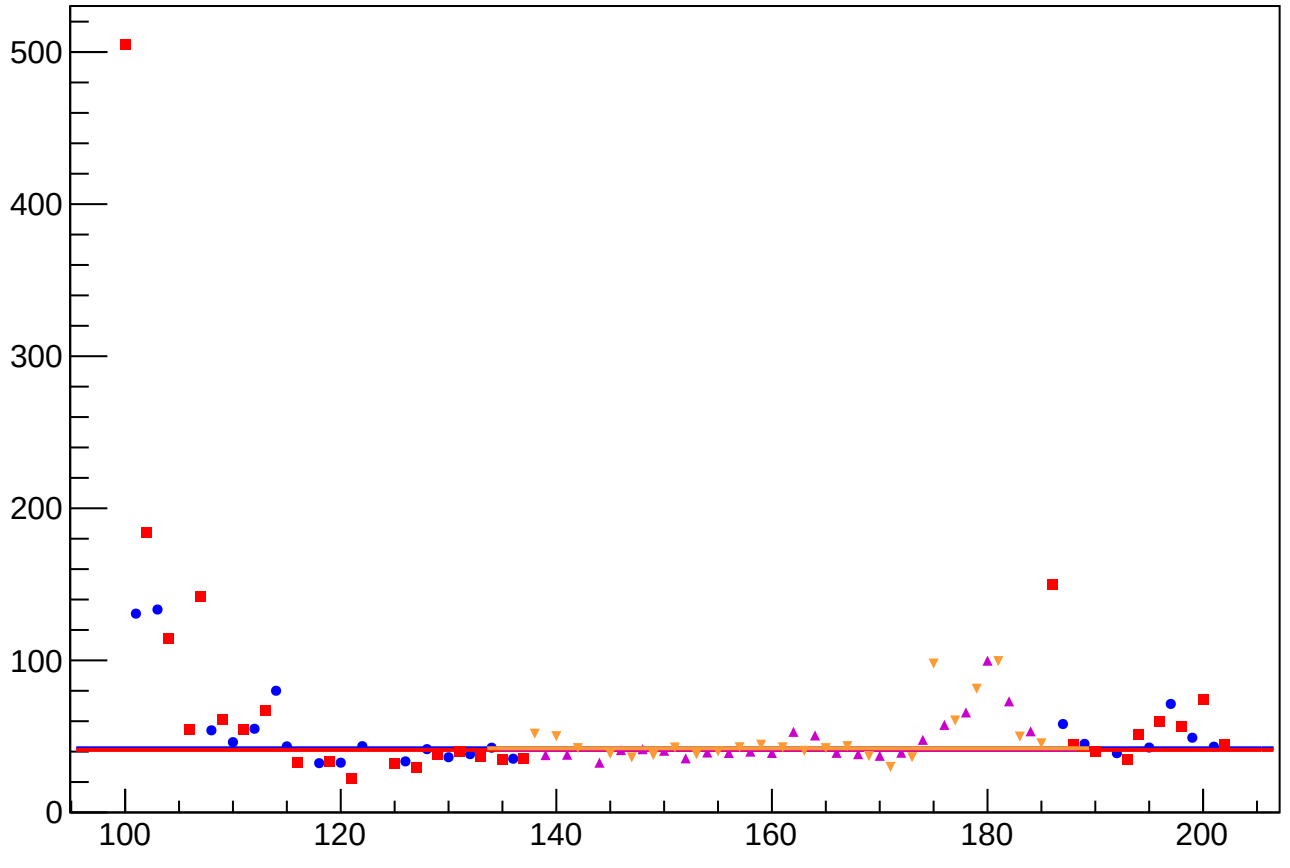
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.009+/-0.009 χ^2/NDF: 46.5/49

In: 0.011+/-0.008 χ^2/NDF:48.9/45

Out: -0.004+/-0.008 χ^2/NDF:41.3/50

All: 0.004+/-0.006 χ^2/NDF: 91.7/96



Right In: 42.189+/-0.010 χ^2/NDF: 1733709.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 41.122+/-0.009 χ^2/NDF: 3053179.5/26

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

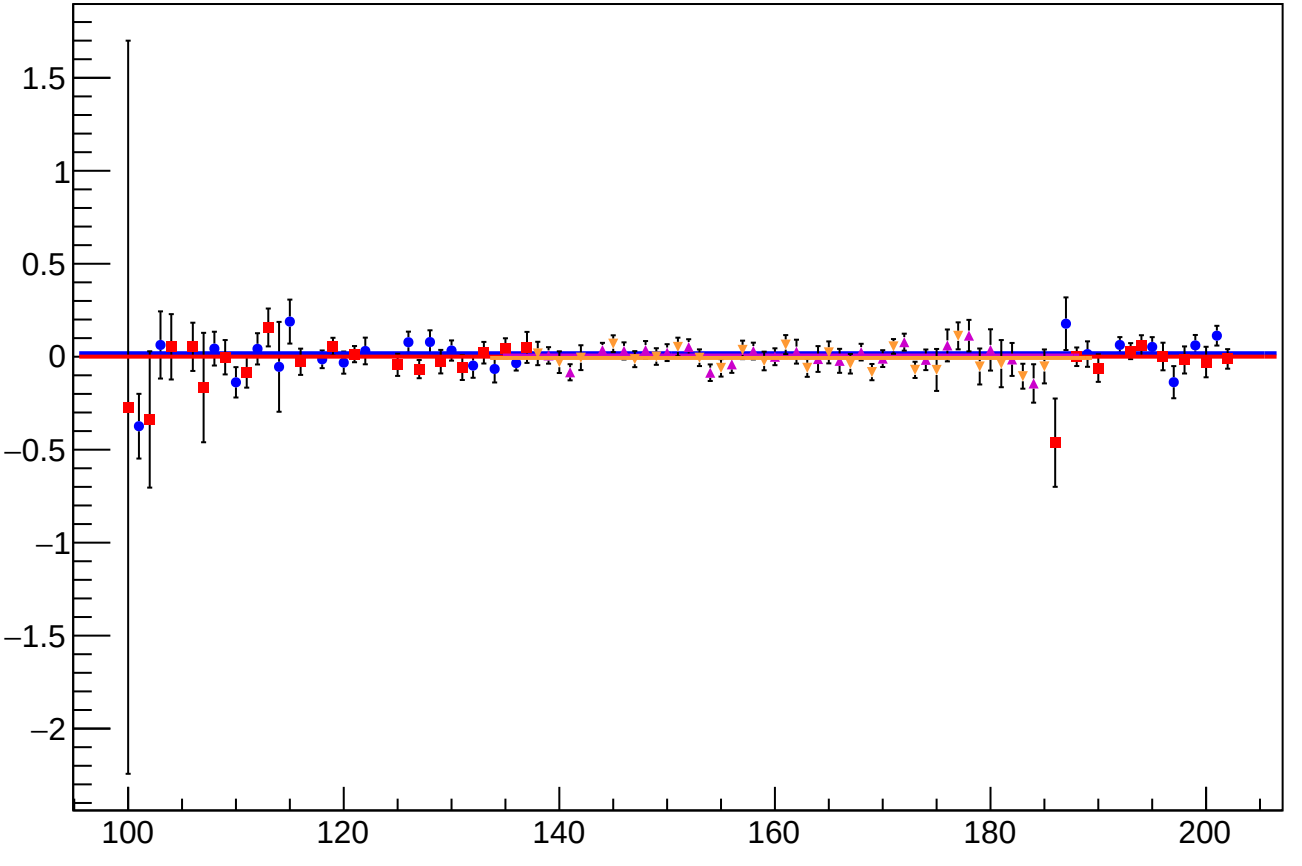
Right: 41.632+/-0.007 χ^2/NDF: 4793338.6/49

In: 41.717+/-0.006 χ^2/NDF:3149821.2/45

Out: 41.758+/-0.006 χ^2/NDF:4880746.1/50

All: 41.738+/-0.004 χ^2/NDF: 8030591.8/96

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

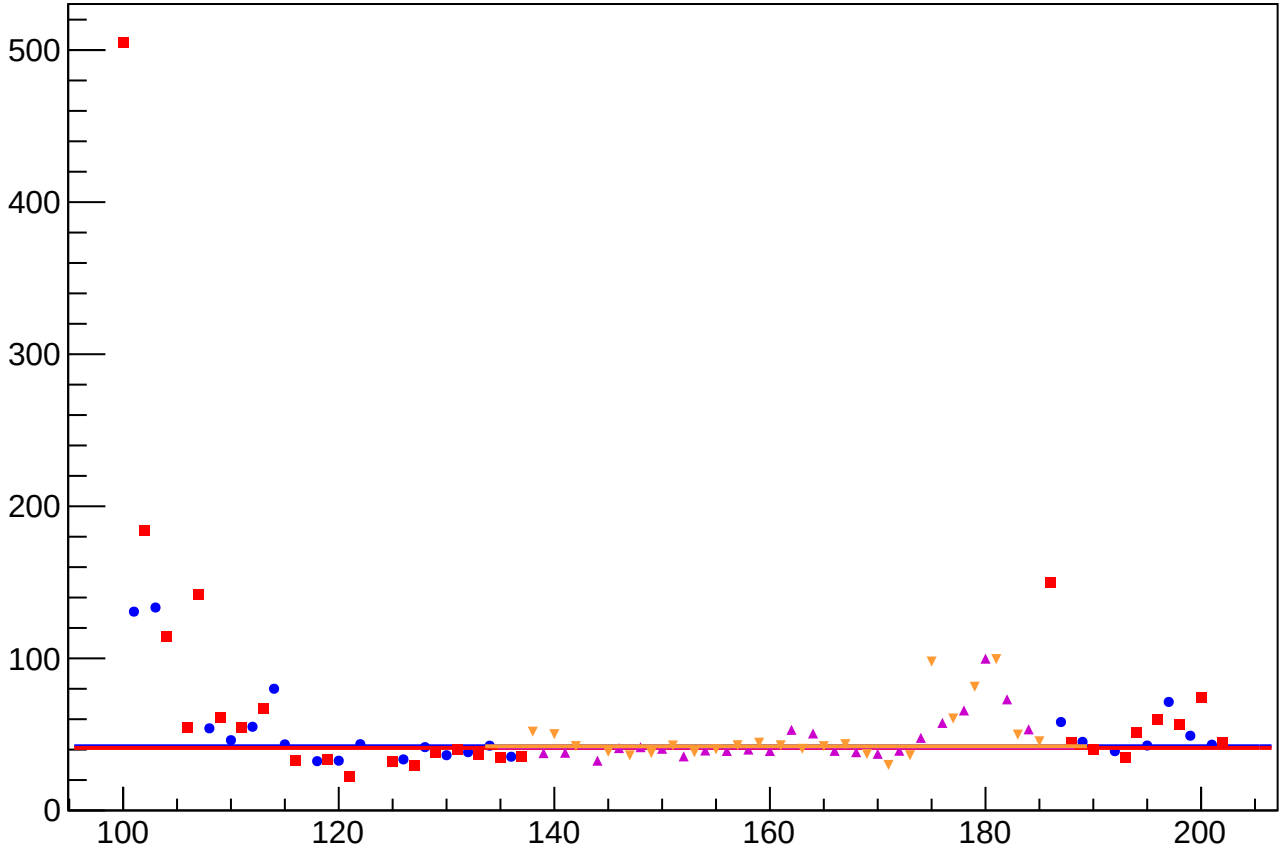
Right: 0.009+/-0.009 χ^2/NDF: 46.5/49

In: 0.011+/-0.008 χ^2/NDF:48.9/45

Out: -0.004+/-0.008 χ^2/NDF:41.3/50

All: 0.004+/-0.006 χ^2/NDF: 91.7/96

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.189+/-0.010 χ^2/NDF: 1733709.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 41.122+/-0.009 χ^2/NDF: 3053179.5/26

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

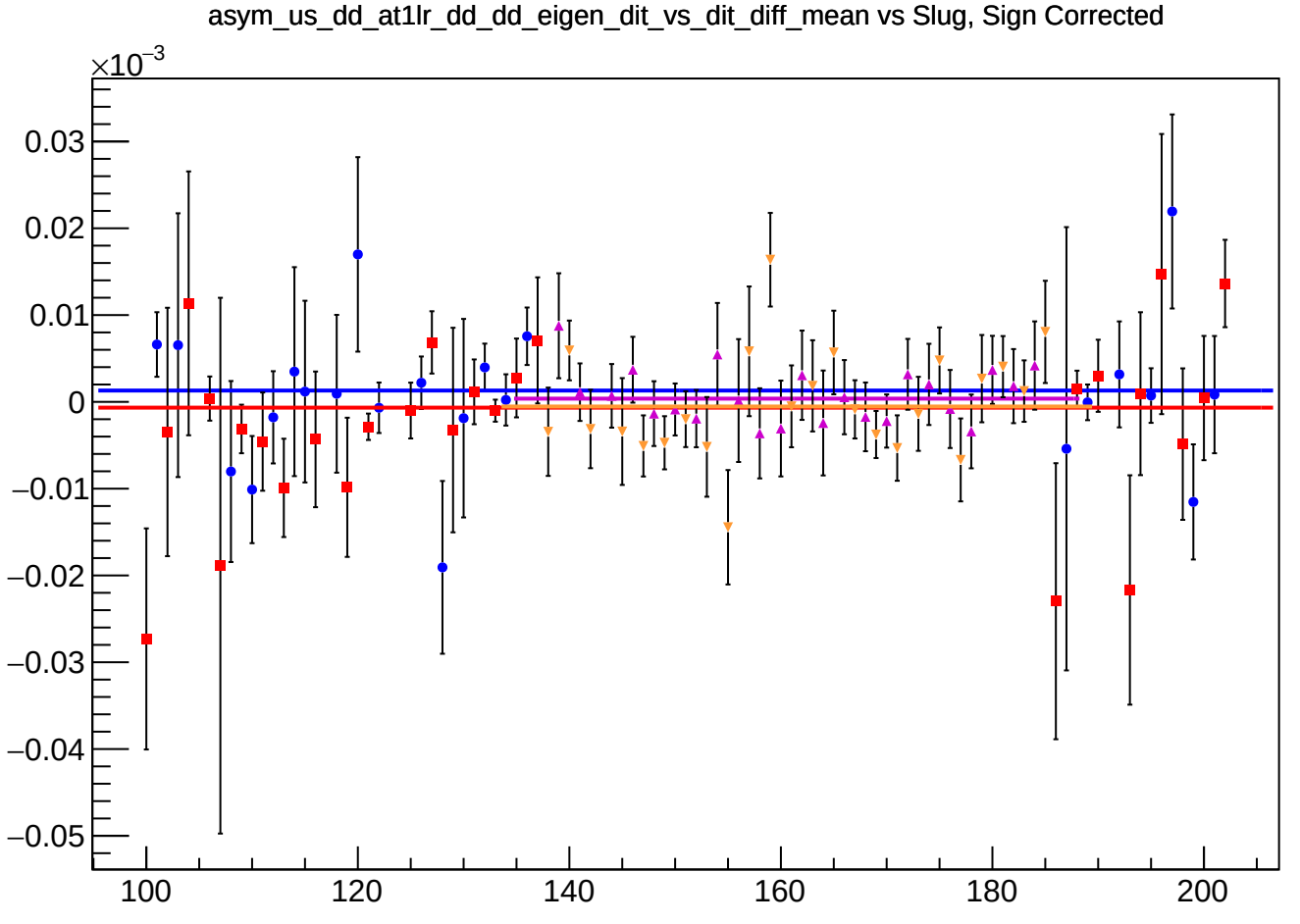
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 41.632+/-0.007 χ^2/NDF: 4793338.6/49

In: 41.717+/-0.006 χ^2/NDF:3149821.2/45

Out: 41.758+/-0.006 χ^2/NDF:4880746.1/50

All: 41.738+/-0.004 χ^2/NDF: 8030591.8/96



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/26

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

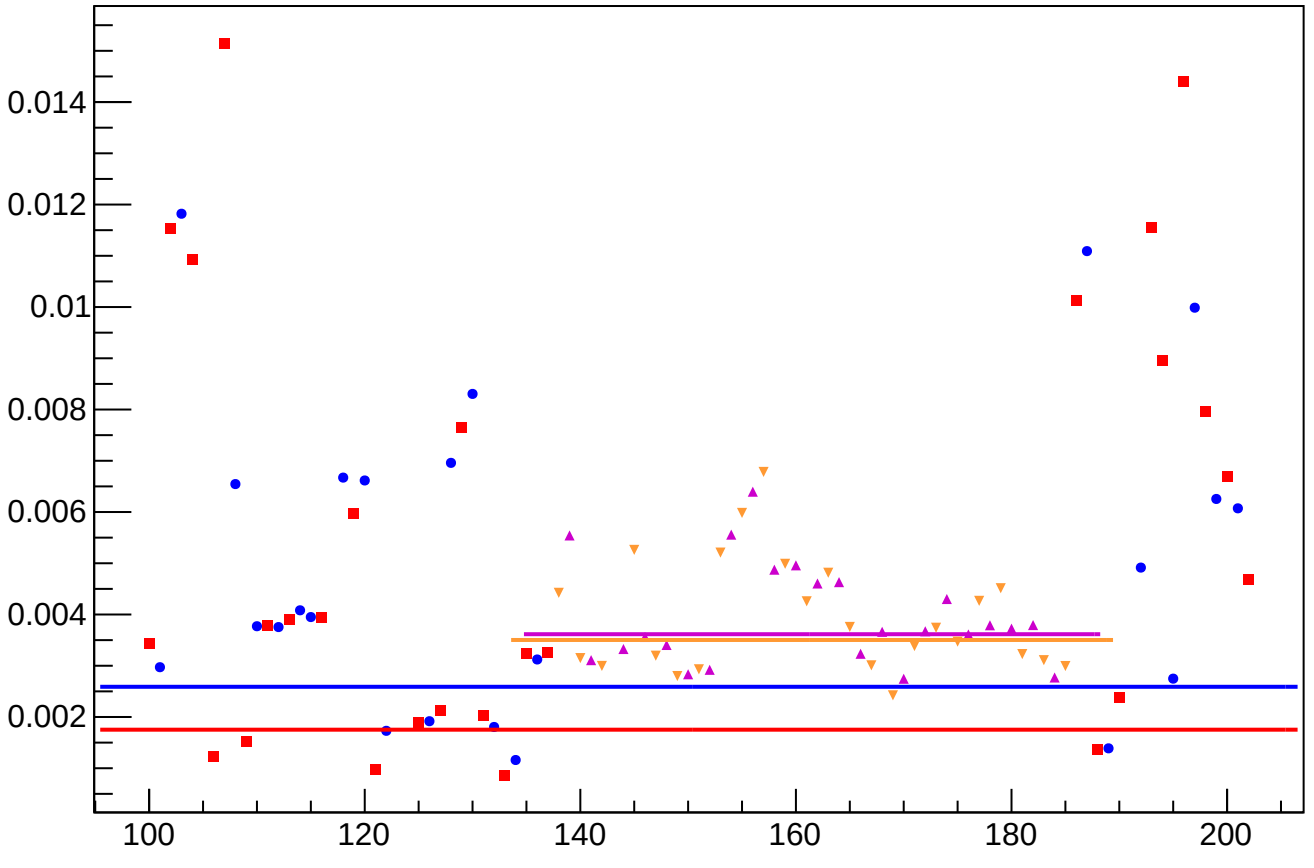
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: 0.000+/-0.000 χ^2/NDF: 64.1/49

In: 0.000+/-0.000 χ^2/NDF:36.2/45

Out: -0.000+/-0.000 χ^2/NDF:72.0/50

All: -0.000+/-0.000 χ^2/NDF: 111.2/96



Right In: 0.003+/-0.000 χ^2/NDF: 7002335.8/22

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 12628522.6/26

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

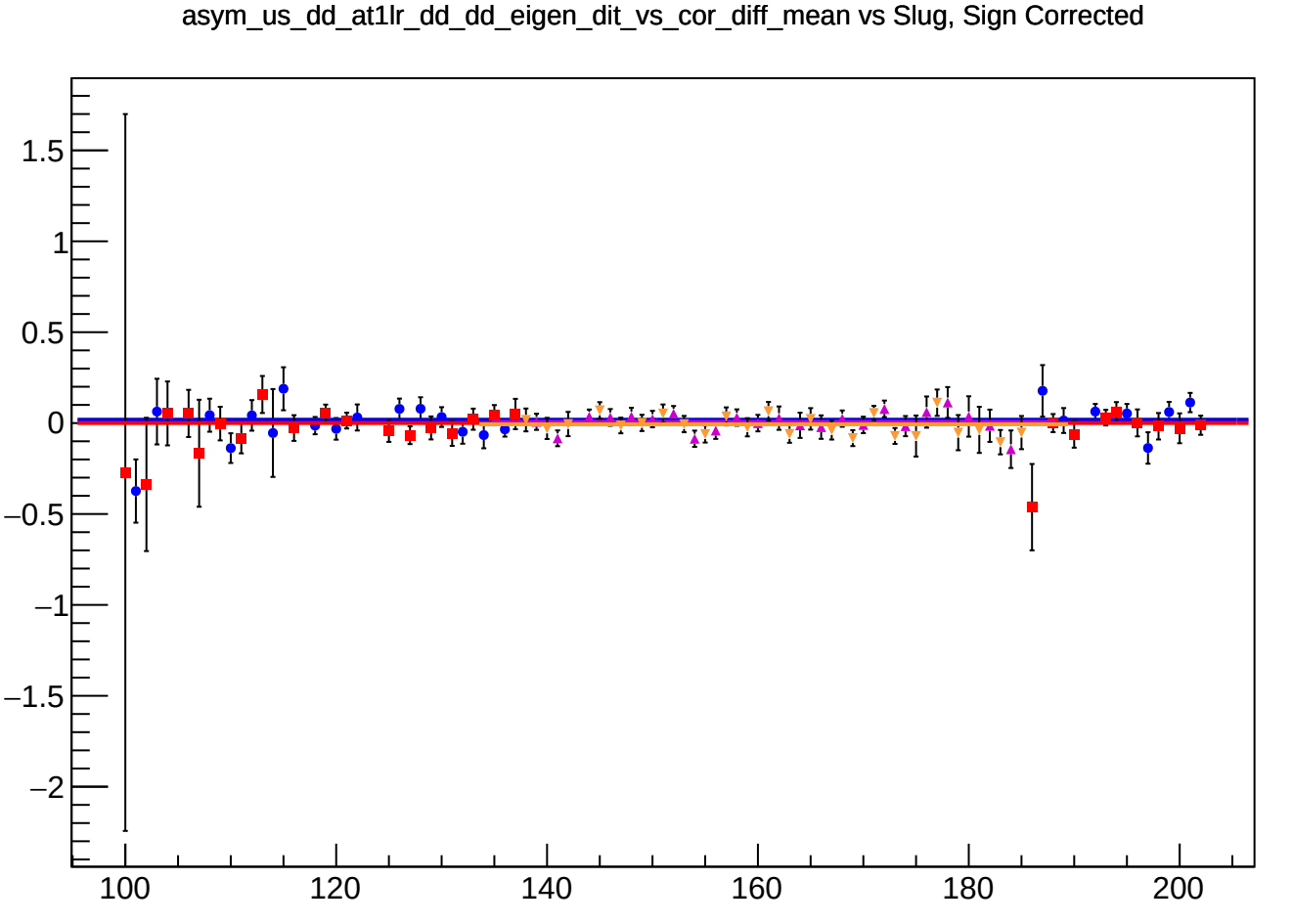
Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

Right: 0.002+/-0.000 χ^2/NDF: 20702707.8/49

In: 0.003+/-0.000 χ^2/NDF:9984645.7/45

Out: 0.002+/-0.000 χ^2/NDF:20028228.9/50

All: 0.003+/-0.000 χ^2/NDF: 31393071.6/96



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

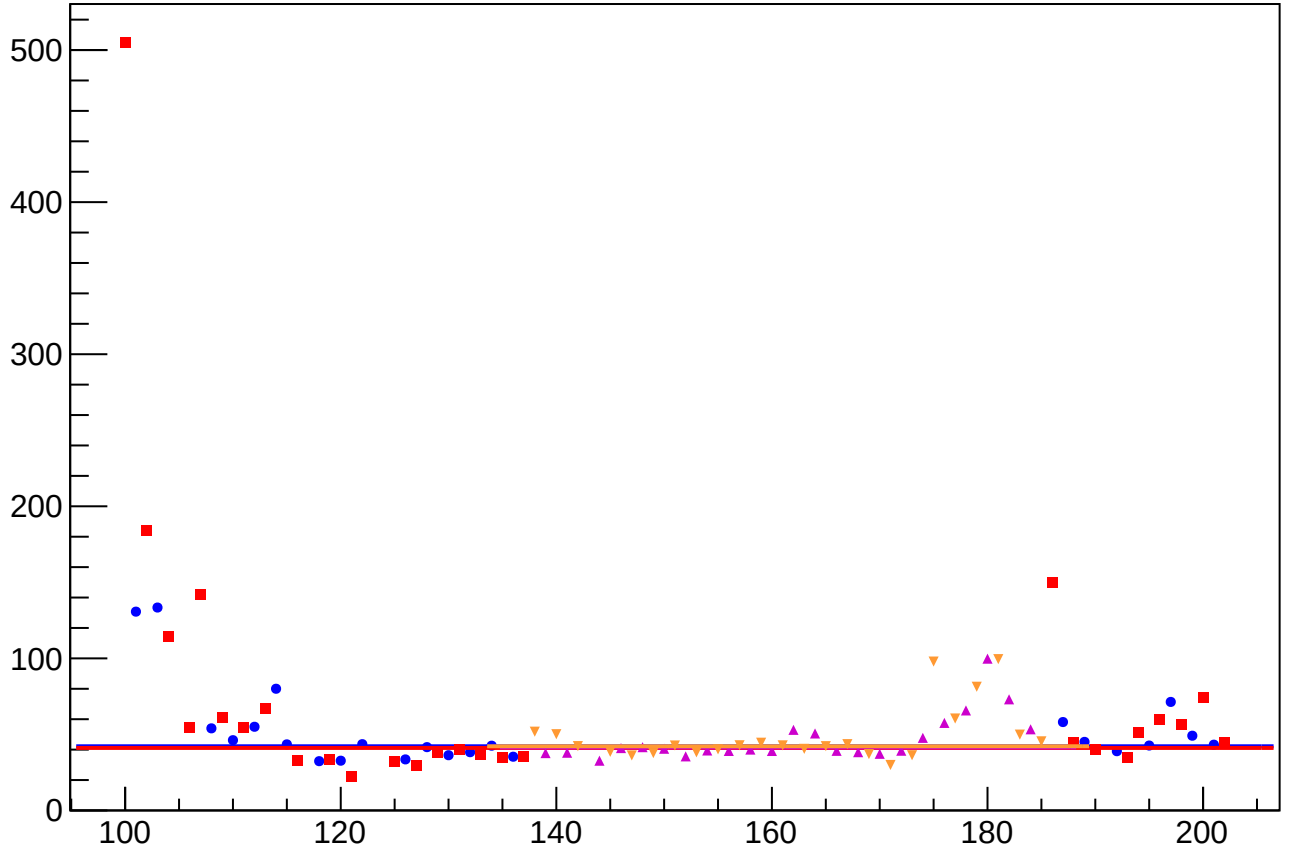
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.009+/-0.009 χ^2/NDF: 46.5/49

In: 0.011+/-0.008 χ^2/NDF:48.9/45

Out: -0.004+/-0.008 χ^2/NDF:41.3/50

All: 0.004+/-0.006 χ^2/NDF: 91.8/96



Right In: 42.190+/-0.010 χ^2/NDF: 1733590.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 41.121+/-0.009 χ^2/NDF: 3053366.4/26

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

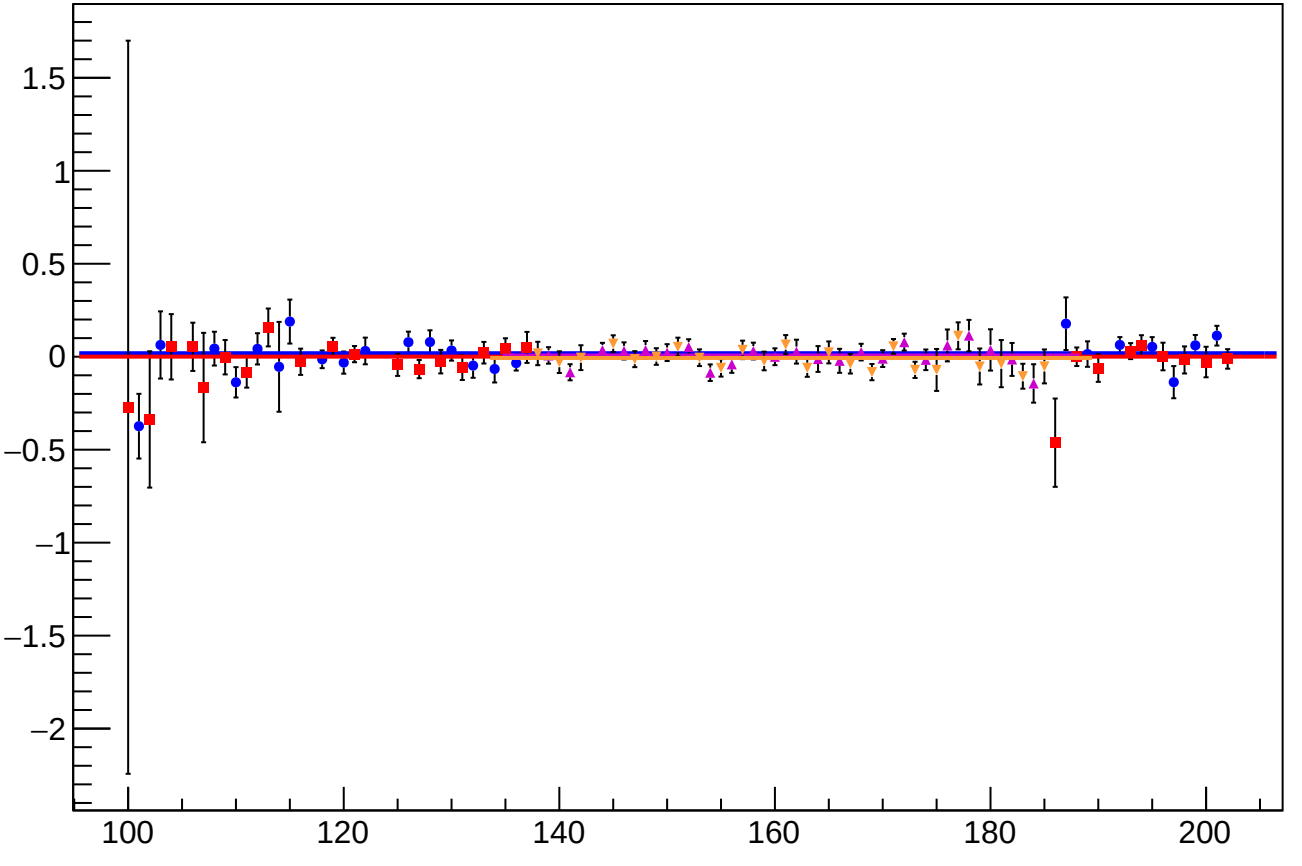
Right: 41.631+/-0.007 χ^2/NDF: 4793425.9/49

In: 41.717+/-0.006 χ^2/NDF:3149644.6/45

Out: 41.758+/-0.006 χ^2/NDF:4880949.5/50

All: 41.737+/-0.004 χ^2/NDF: 8030617.7/96

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

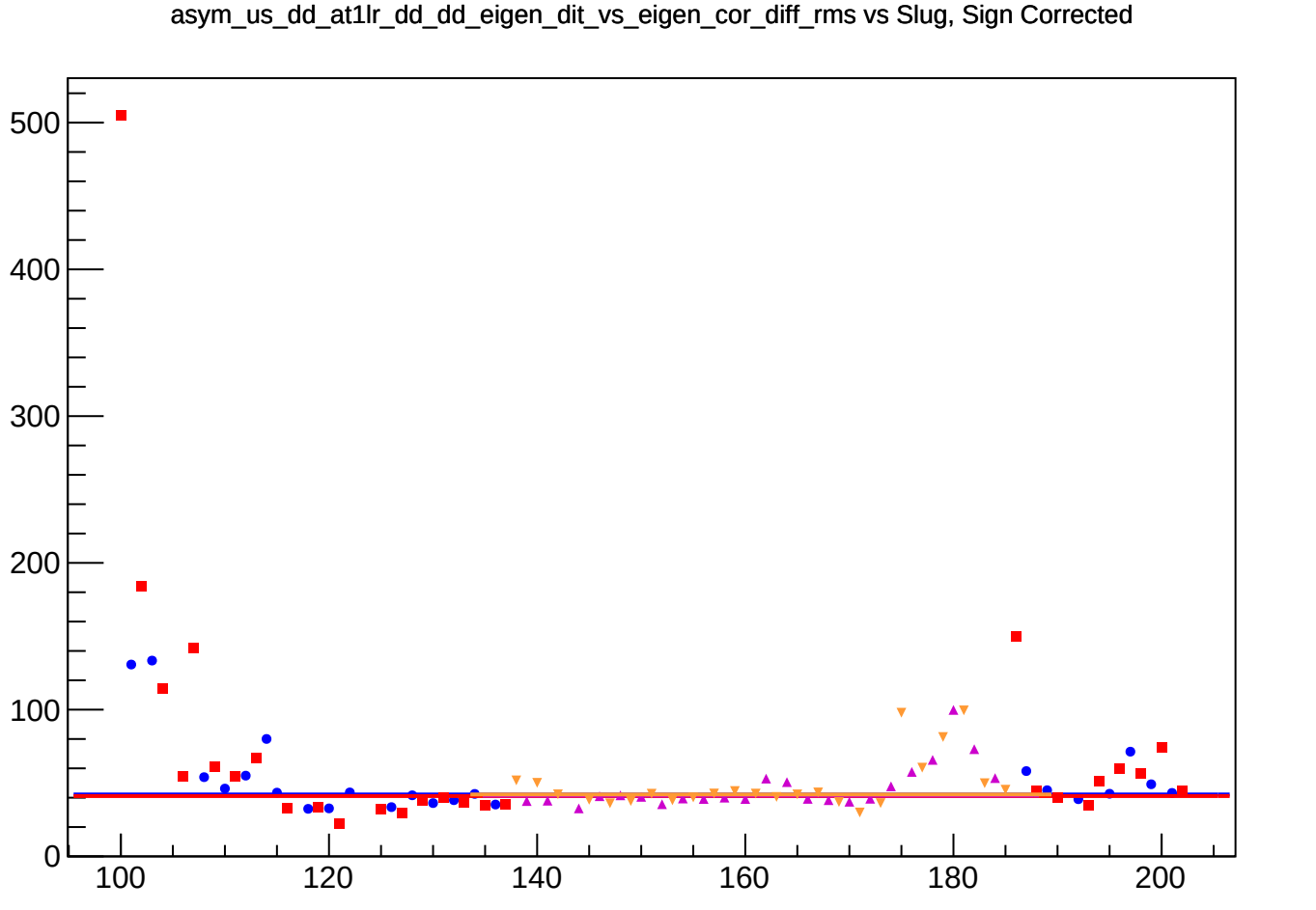
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

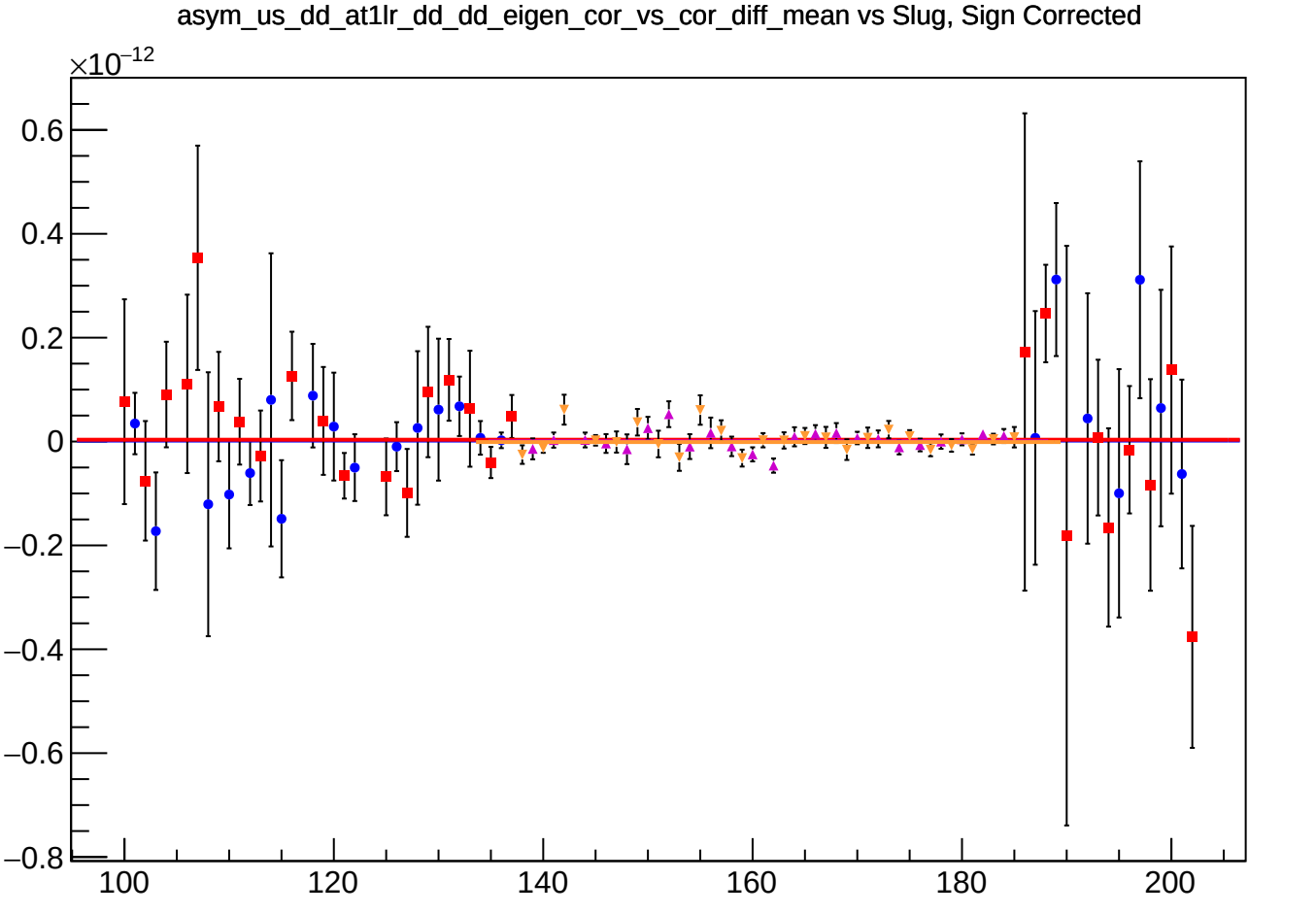
Right: 0.009+/-0.009 χ^2/NDF: 46.5/49

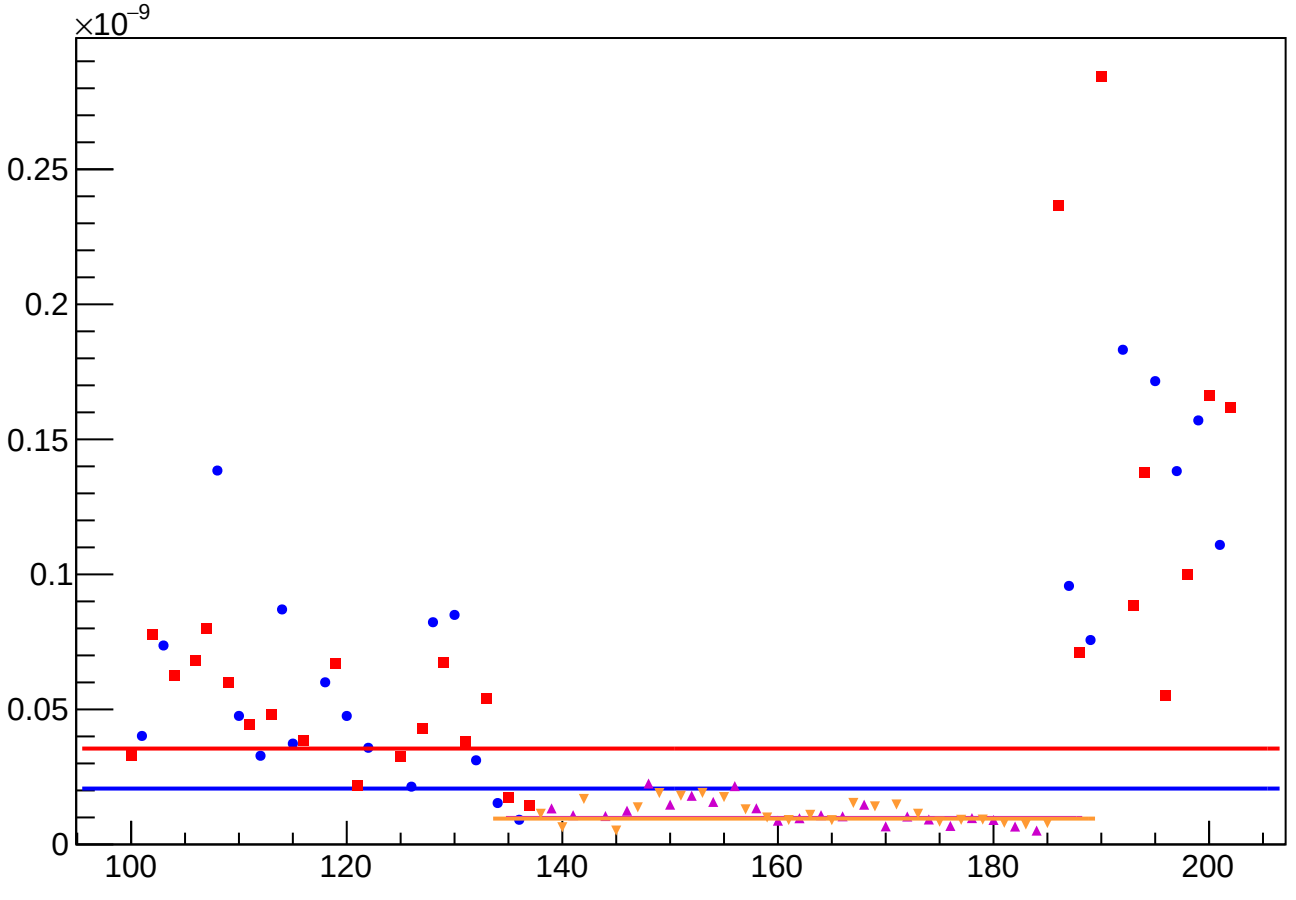
In: 0.011+/-0.008 χ^2/NDF:48.9/45

Out: -0.004+/-0.008 χ^2/NDF:41.3/50

All: 0.004+/-0.006 χ^2/NDF: 91.8/96


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
0
100
120
140
160
180
200
Right In: 42.190+/-0.010 χ2/NDF: 1733590.1/22
Left Out: 42.208+/-0.008 χ2/NDF:1819378.3/23
Right Out: 41.121+/-0.009 χ2/NDF: 3053366.4/26
Left In: 41.421+/-0.008 χ2/NDF:1412111.4/22
Left: 41.808+/-0.005 χ2/NDF: 3236767.5/46
Right: 41.631+/-0.007 χ2/NDF: 4793425.9/49
In: 41.717+/-0.006 χ2/NDF:3149644.6/45
Out: 41.758+/-0.006 χ2/NDF:4880949.5/50
All: 41.737+/-0.004 χ2/NDF: 8030617.7/96


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.6/22
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 29.8/26
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: 0.000+/-0.000 χ²/NDF: 46.4/49
In: 0.000+/-0.000 χ²/NDF:45.0/45
Out: -0.000+/-0.000 χ²/NDF:59.4/50
All: -0.000+/-0.000 χ²/NDF: 104.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 8012709.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6022345.5/26

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

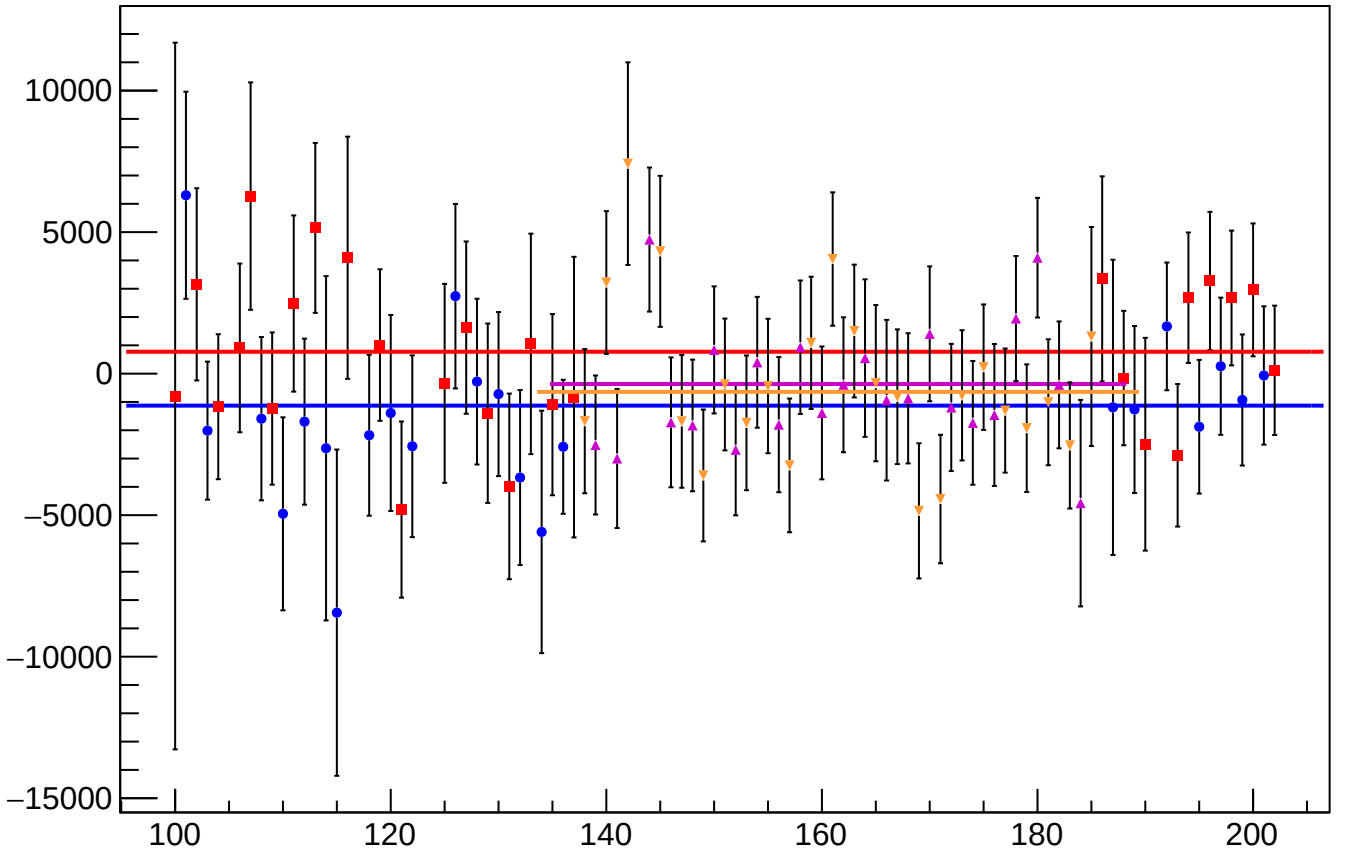
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 15190522.9/49

In: 0.000+/-0.000 χ^2/NDF:11943465.8/45

Out: 0.000+/-0.000 χ^2/NDF:13669110.4/50

All: 0.000+/-0.000 χ^2/NDF: 25613264.4/96



Right In: -1130.196+/-614.886 χ^2/NDF: 13.4/22

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 773.921+/-573.271 χ^2/NDF: 19.8/26

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

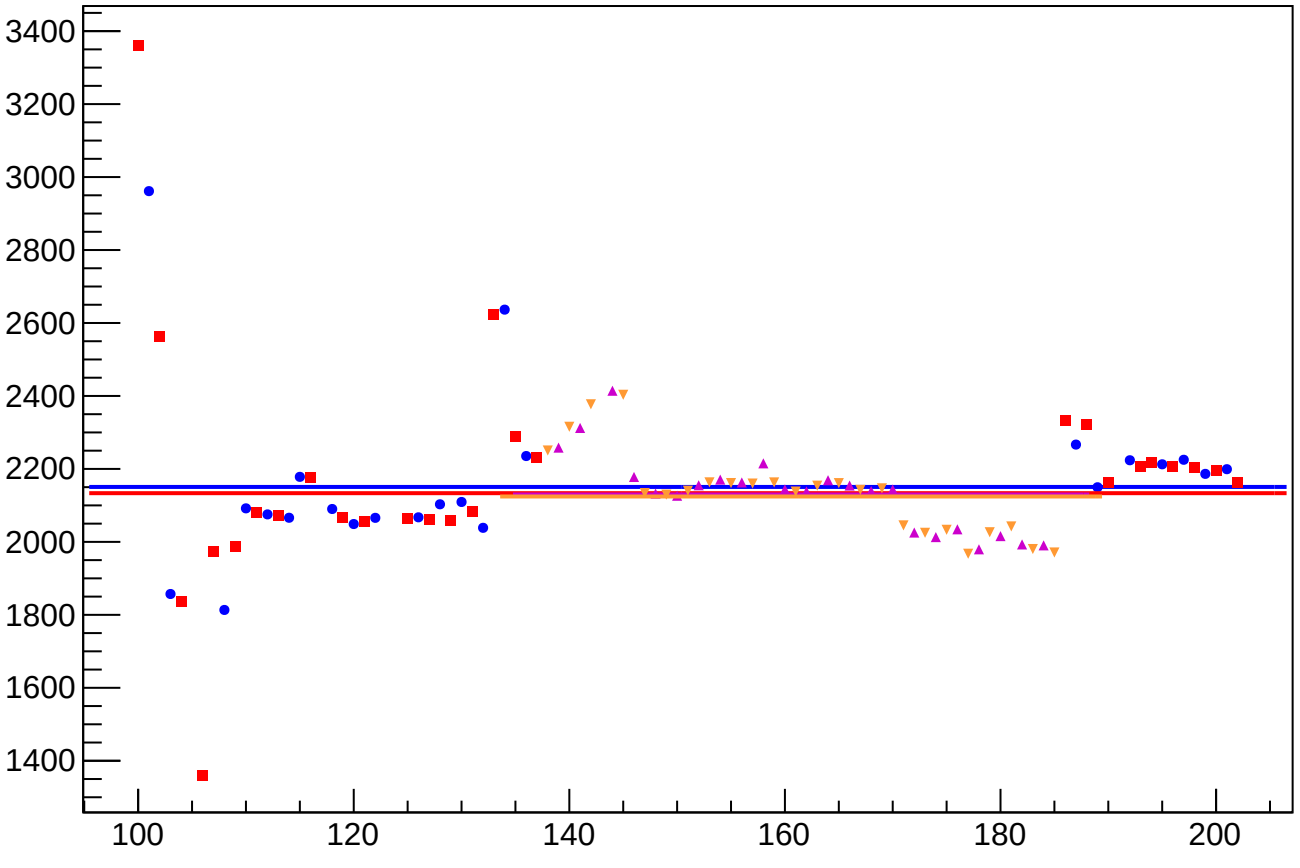
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -111.528+/-419.305 χ^2/NDF: 38.3/49

In: -669.092+/-386.947 χ^2/NDF:31.6/45

Out: -40.116+/-374.086 χ^2/NDF:50.5/50

All: -343.978+/-268.951 χ^2/NDF: 83.5/96



Right In: 2150.615+/-0.435 χ^2/NDF: 201649.2/22

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2133.512+/-0.405 χ^2/NDF: 294639.9/26

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

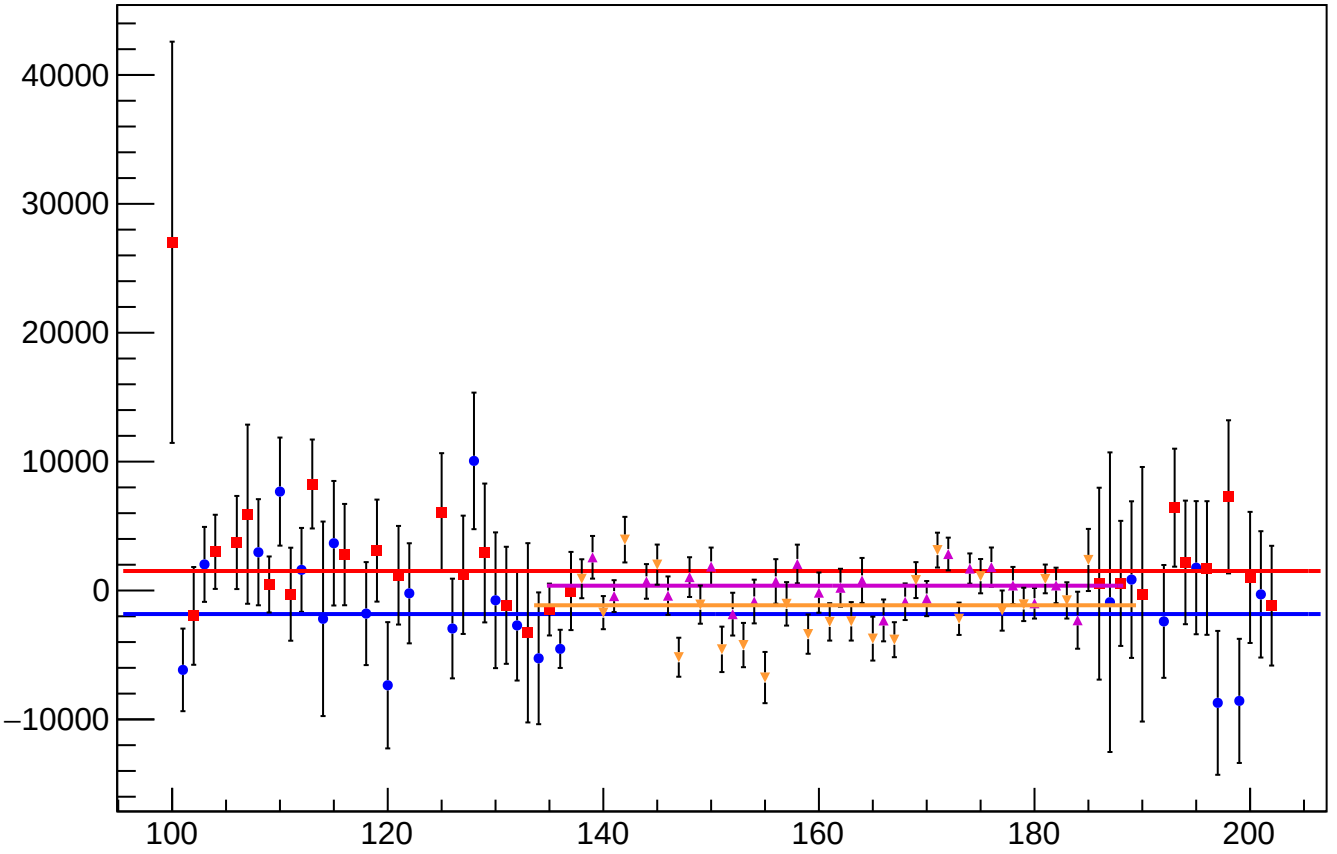
Right: 2141.465+/-0.296 χ^2/NDF: 497116.8/49

In: 2138.101+/-0.274 χ^2/NDF:288375.1/45

Out: 2128.301+/-0.265 χ^2/NDF:384111.7/50

All: 2133.036+/-0.190 χ^2/NDF: 673149.9/96

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1826.674+/-794.169 χ^2/NDF: 27.2/22

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1513.188+/-760.647 χ^2/NDF: 16.0/26

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

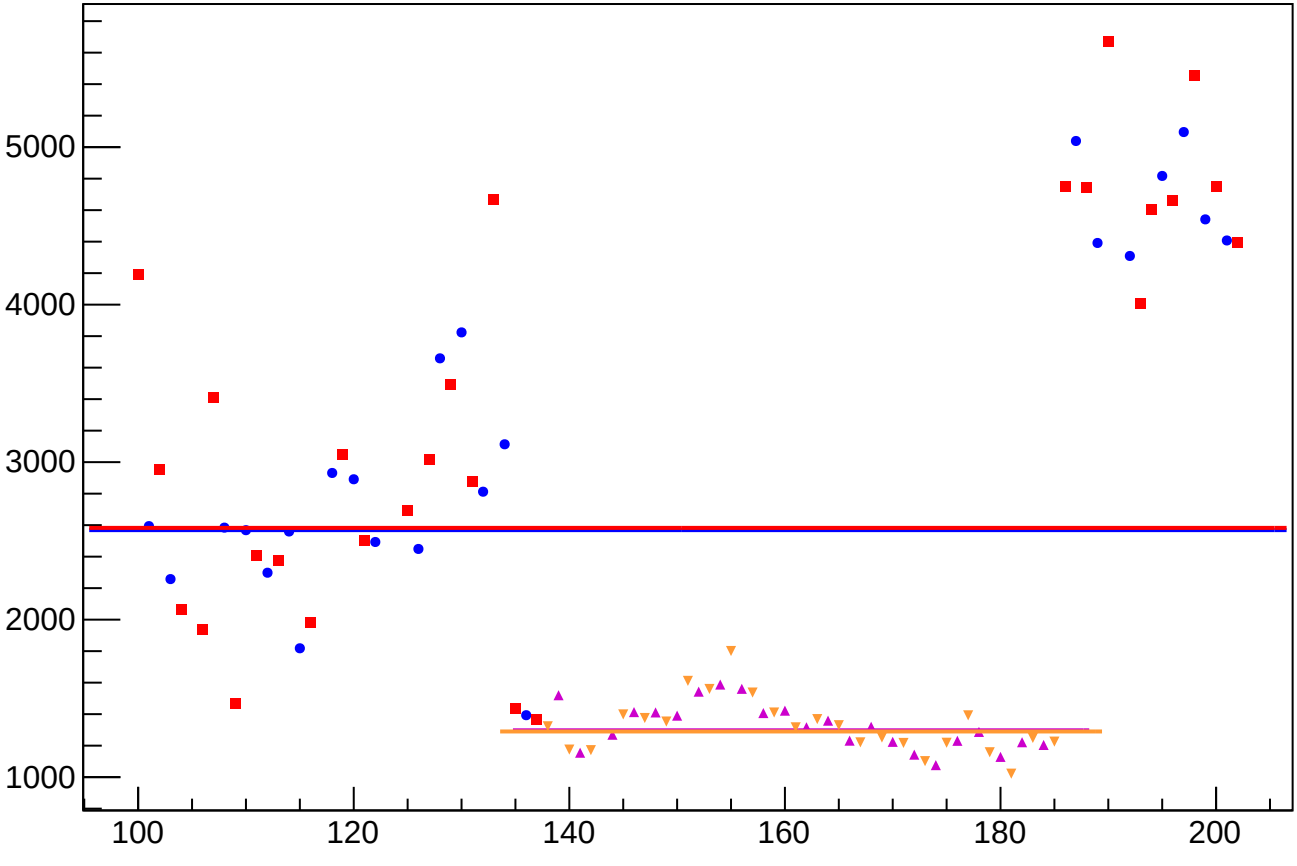
Right: -84.768+/-549.327 χ^2/NDF: 52.4/49

In: 89.916+/-285.032 χ^2/NDF:54.2/45

Out: -781.869+/-281.078 χ^2/NDF:94.1/50

All: -352.065+/-200.135 χ^2/NDF: 153.0/96

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2568.413+/-0.562 χ^2/NDF: 3593275.0/22

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2582.621+/-0.538 χ^2/NDF: 4811351.6/26

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

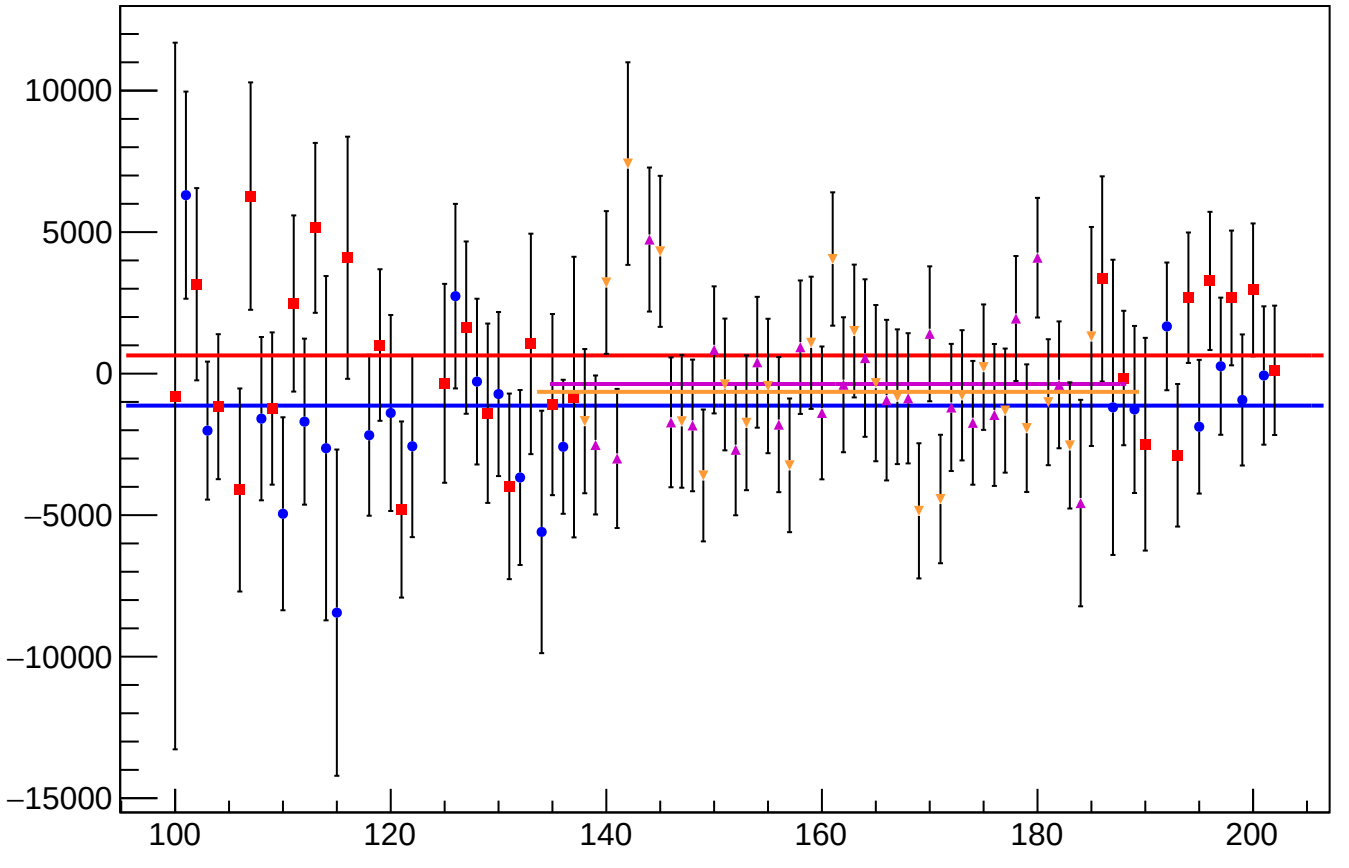
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2575.823+/-0.388 χ^2/NDF: 8404960.5/49

In: 1461.171+/-0.202 χ^2/NDF:8489767.4/45

Out: 1466.531+/-0.199 χ^2/NDF:10366128.1/50

All: 1463.888+/-0.142 χ^2/NDF: 18856254.2/9



Right In: -1130.233+/-614.886 χ^2/NDF: 13.4/22

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 642.898+/-576.588 χ^2/NDF: 21.6/26

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

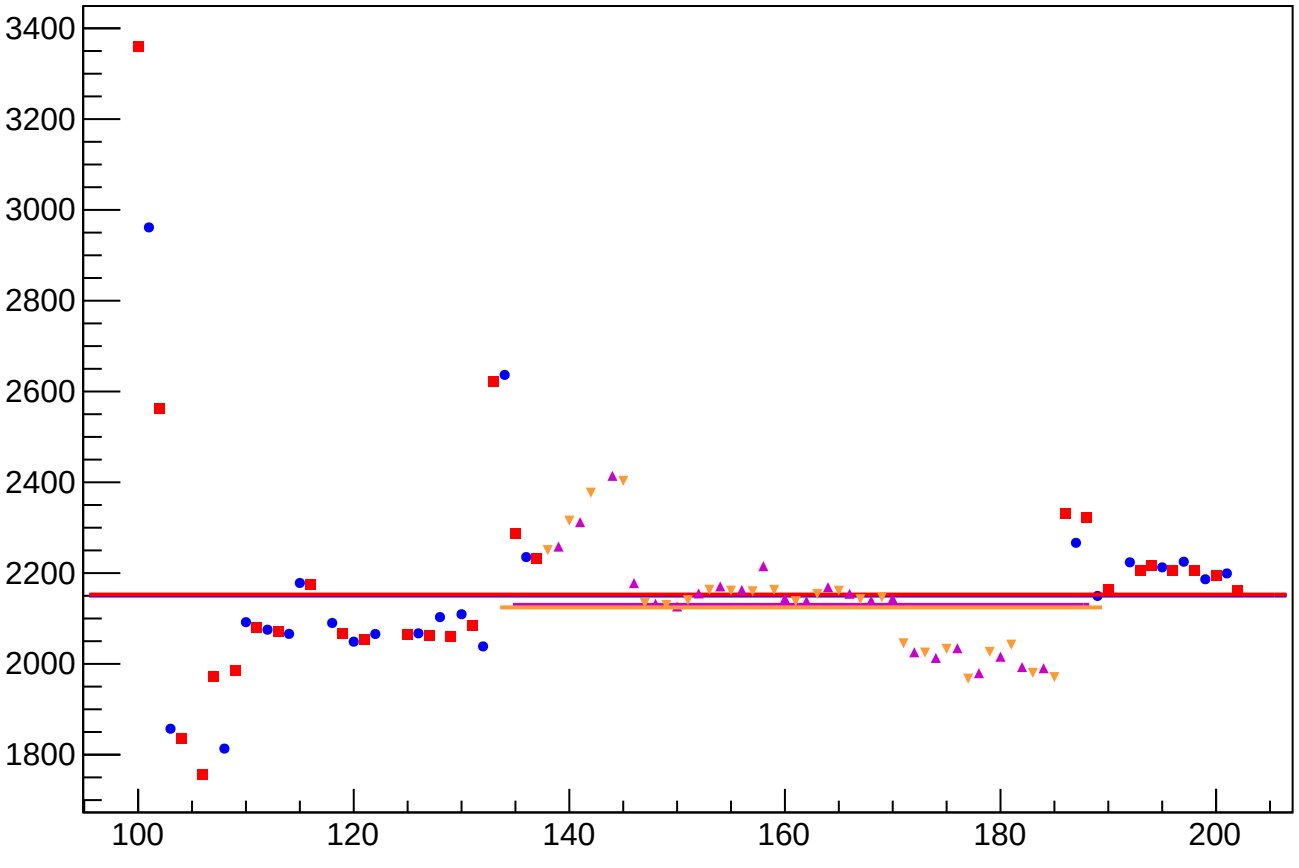
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -186.731+/-420.597 χ^2/NDF: 39.4/49

In: -669.041+/-386.947 χ^2/NDF:31.6/45

Out: -99.455+/-375.003 χ^2/NDF:51.6/50

All: -375.322+/-269.291 χ^2/NDF: 84.4/96



Right In: 2150.615+/-0.435 χ^2/NDF: 201649.6/22

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2152.687+/-0.408 χ^2/NDF: 180118.1/26

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

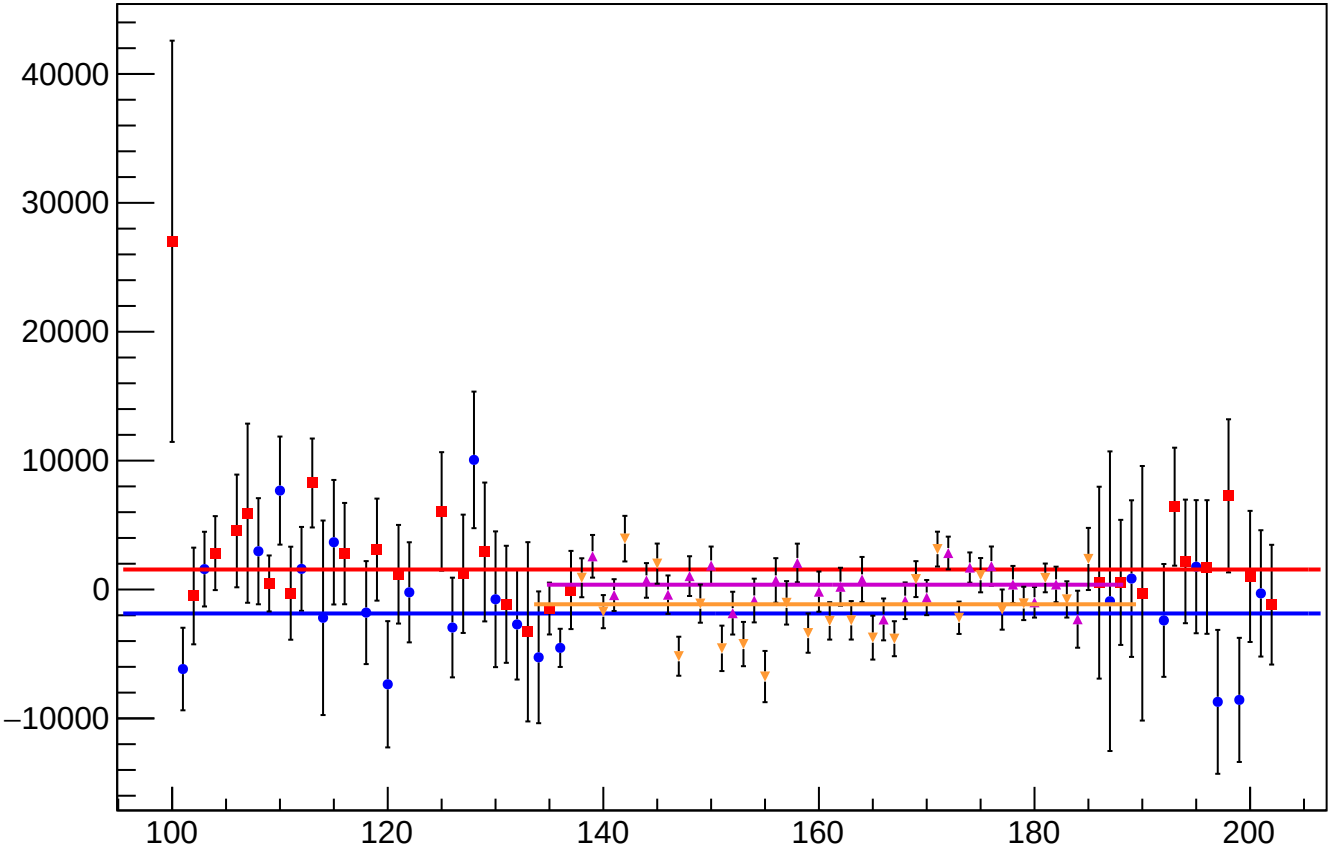
Right: 2151.718+/-0.297 χ^2/NDF: 381779.8/49

In: 2138.101+/-0.274 χ^2/NDF:288375.4/45

Out: 2136.387+/-0.265 χ^2/NDF:272072.5/50

All: 2137.217+/-0.190 χ^2/NDF: 560468.1/96

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1858.823+/-793.942 χ^2/NDF: 26.8/22

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1552.837+/-765.567 χ^2/NDF: 15.5/26

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

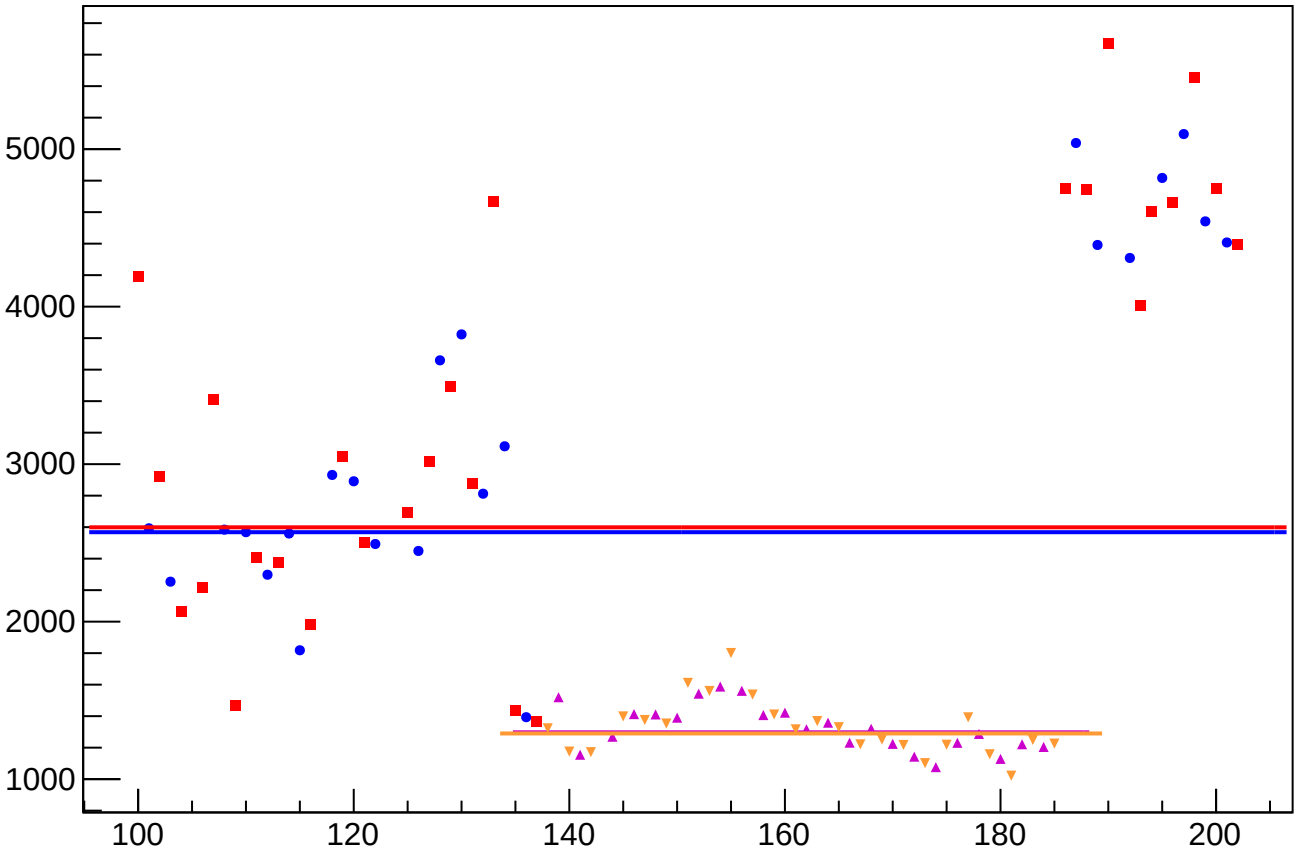
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -90.941+/-551.096 χ^2/NDF: 51.9/49

In: 85.529+/-285.022 χ^2/NDF:54.0/45

Out: -780.501+/-281.326 χ^2/NDF:93.8/50

All: -353.137+/-200.221 χ^2/NDF: 152.5/96



Right In: 2567.921+/-0.561 χ^2/NDF: 3593918.9/22

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2599.016+/-0.541 χ^2/NDF: 4759430.0/26

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

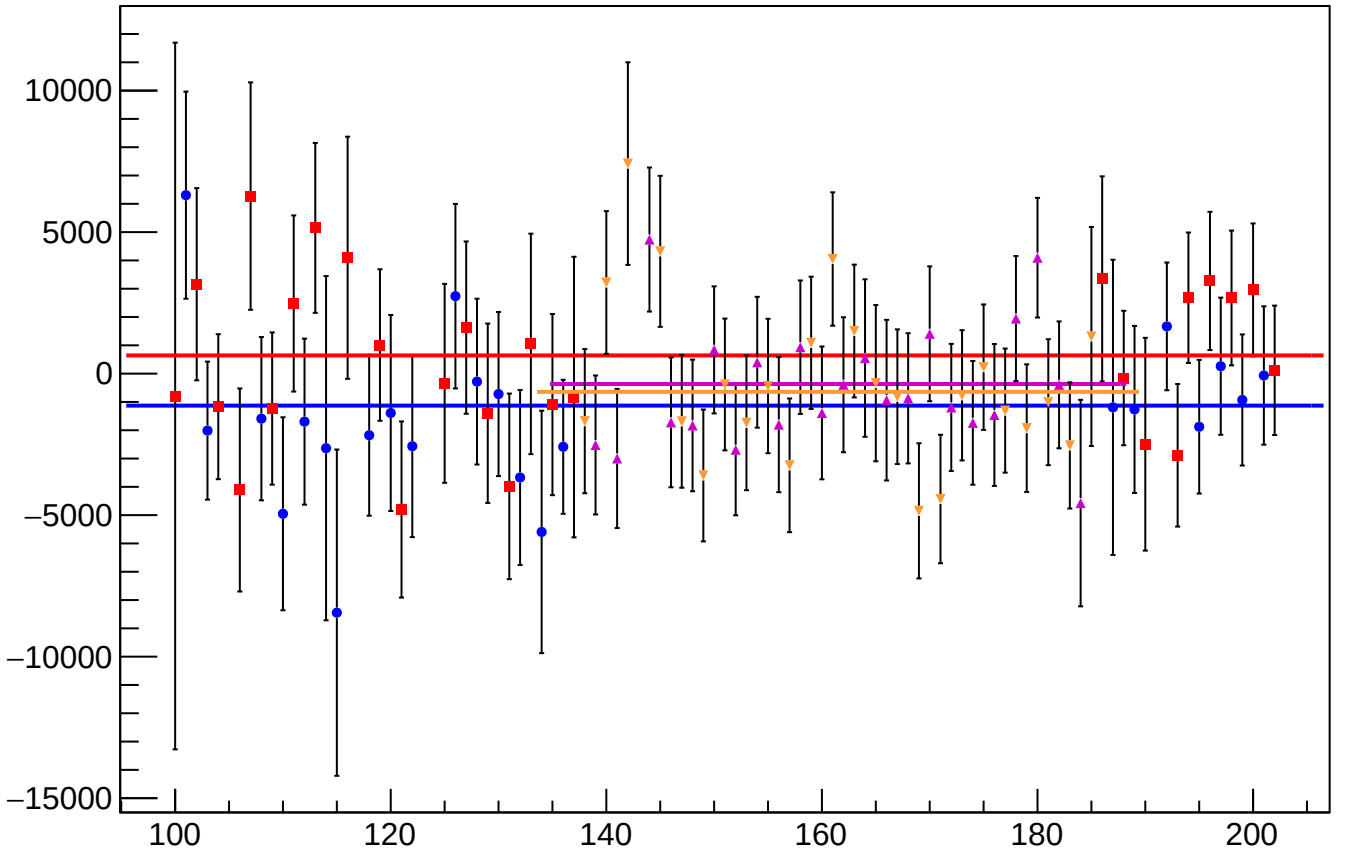
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2584.034+/-0.390 χ^2/NDF: 8354938.6/49

In: 1461.192+/-0.202 χ^2/NDF:8489169.5/45

Out: 1466.801+/-0.199 χ^2/NDF:10384672.9/50

All: 1464.033+/-0.142 χ^2/NDF: 18874234.7/9



Right In: -1130.233+/-614.886 χ^2/NDF: 13.4/22

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 642.898+/-576.588 χ^2/NDF: 21.6/26

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

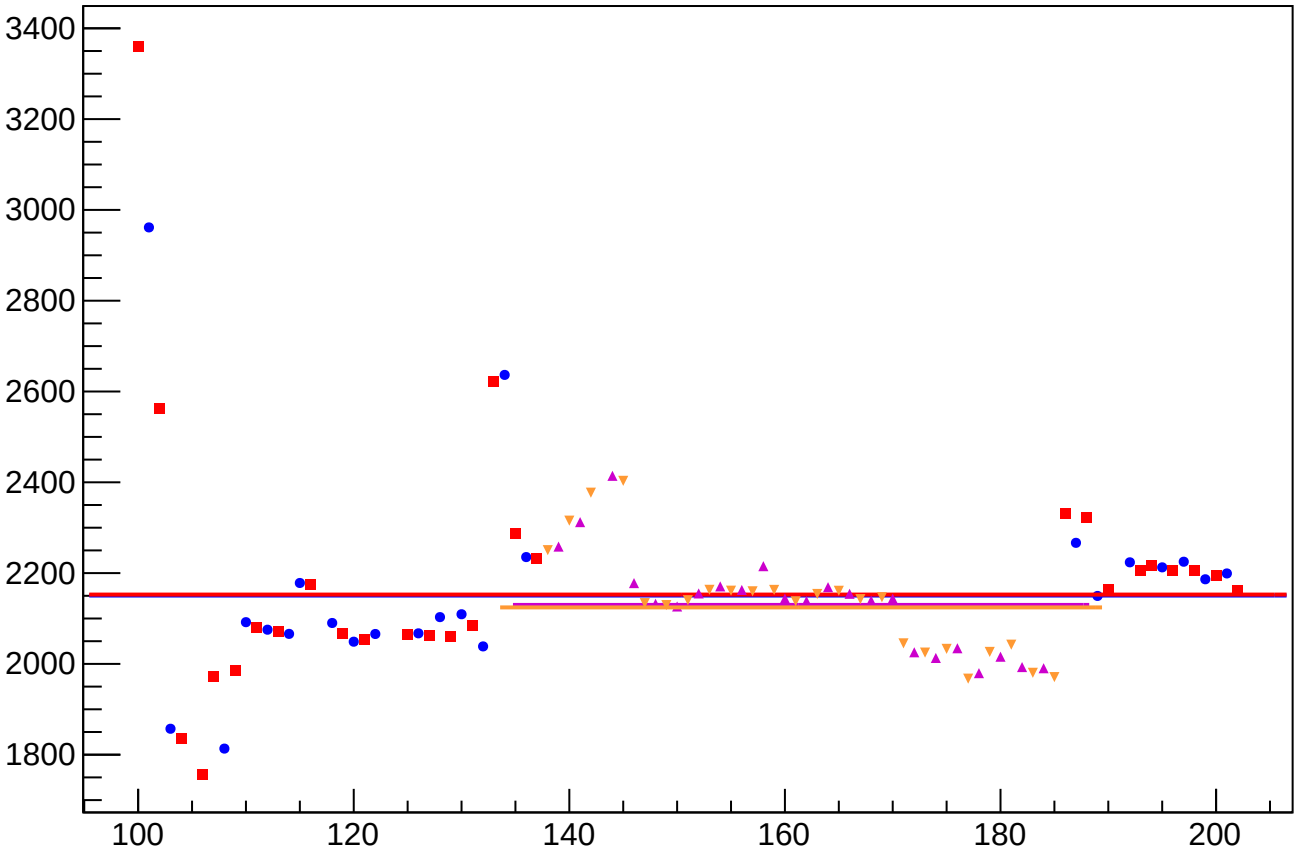
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -186.731+/-420.597 χ^2/NDF: 39.4/49

In: -669.041+/-386.947 χ^2/NDF:31.6/45

Out: -99.455+/-375.003 χ^2/NDF:51.6/50

All: -375.322+/-269.291 χ^2/NDF: 84.4/96



Right In: 2150.615+/-0.435 χ^2/NDF: 201649.6/22

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2152.687+/-0.408 χ^2/NDF: 180118.1/26

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

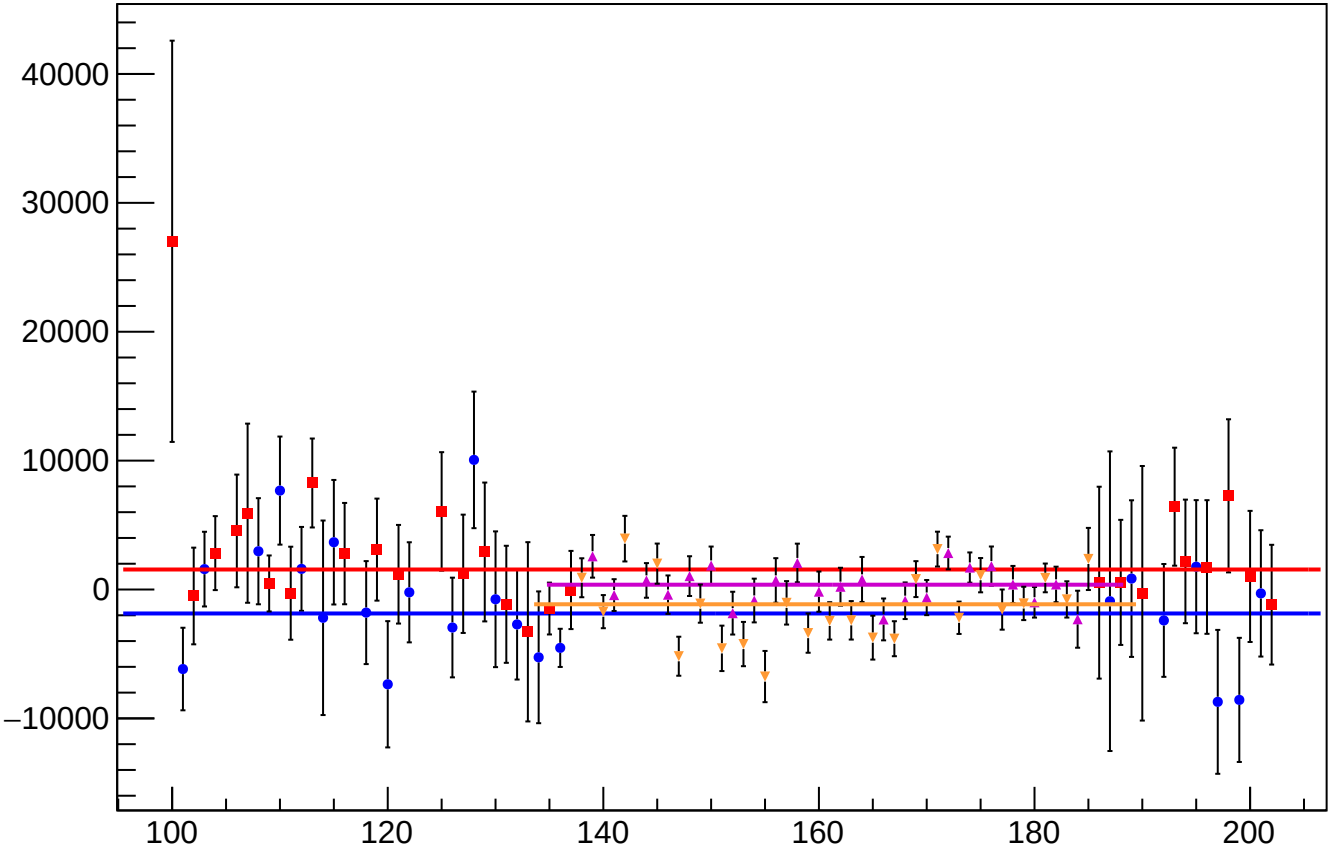
Right: 2151.718+/-0.297 χ^2/NDF: 381779.8/49

In: 2138.101+/-0.274 χ^2/NDF:288375.4/45

Out: 2136.387+/-0.265 χ^2/NDF:272072.5/50

All: 2137.217+/-0.190 χ^2/NDF: 560468.1/96

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1858.823+/-793.942 χ^2/NDF: 26.8/22

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1552.837+/-765.567 χ^2/NDF: 15.5/26

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

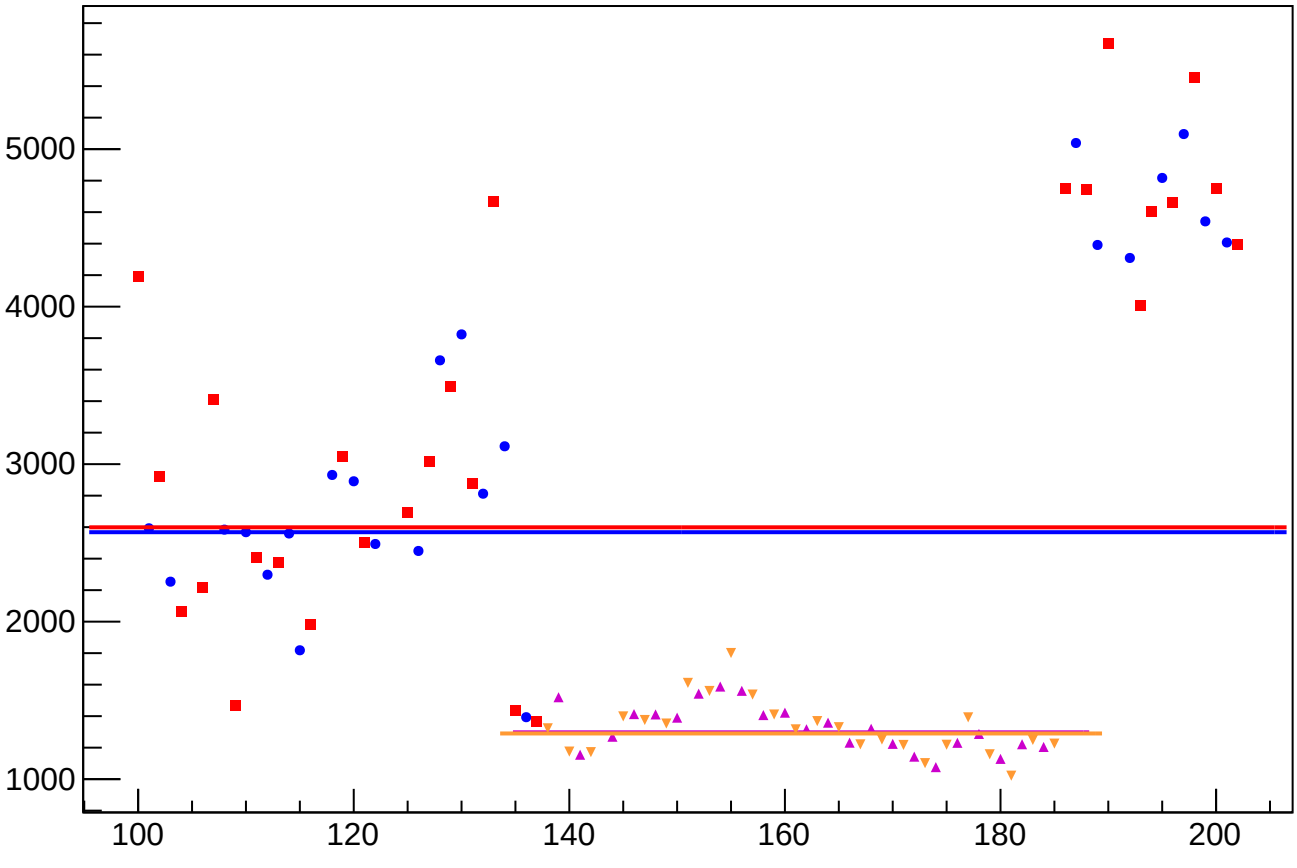
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -90.941+/-551.096 χ^2/NDF: 51.9/49

In: 85.529+/-285.022 χ^2/NDF:54.0/45

Out: -780.501+/-281.326 χ^2/NDF:93.8/50

All: -353.137+/-200.221 χ^2/NDF: 152.5/96



Right In: 2567.921+/-0.561 χ^2/NDF: 3593918.9/22

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2599.016+/-0.541 χ^2/NDF: 4759430.0/26

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

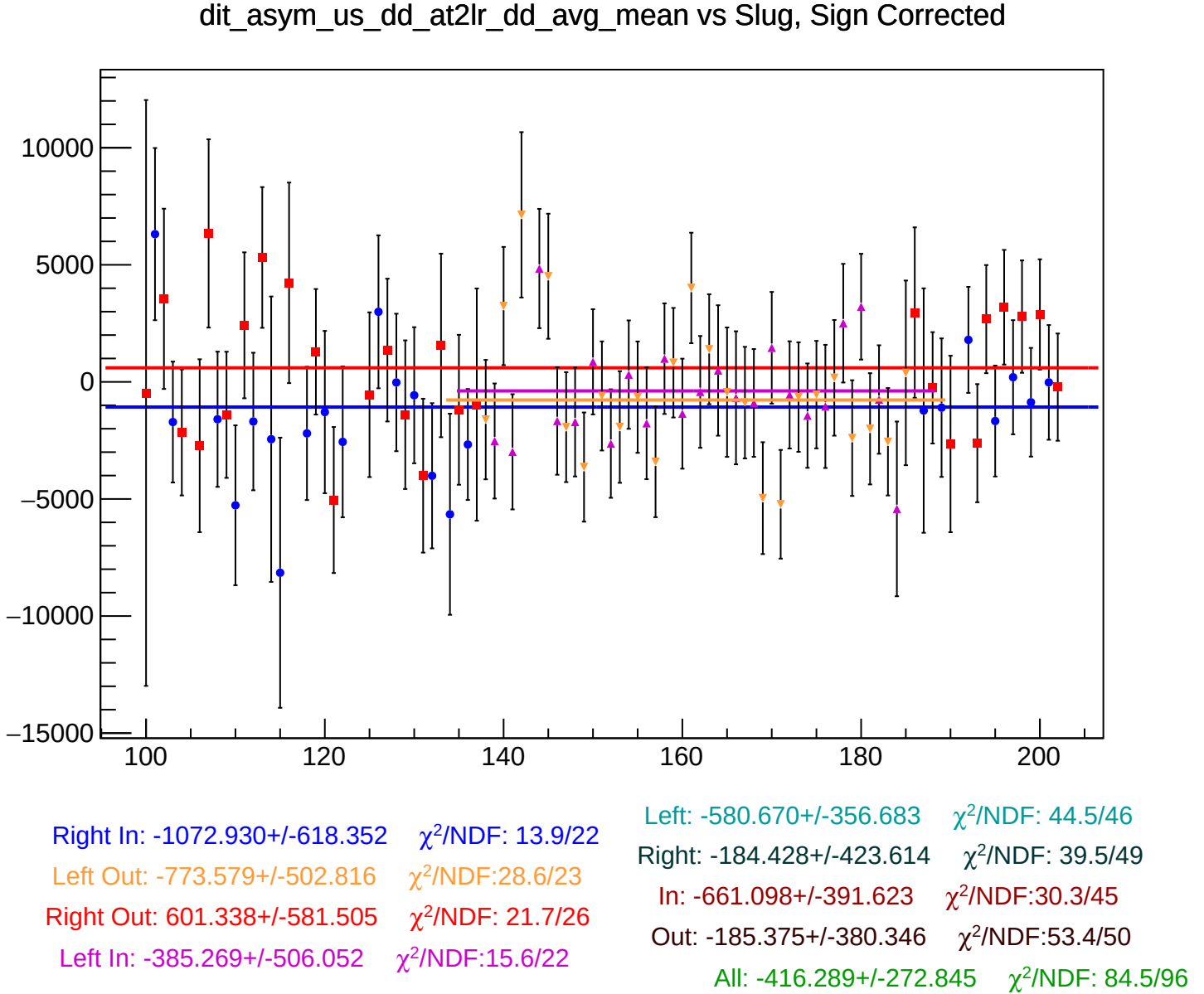
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

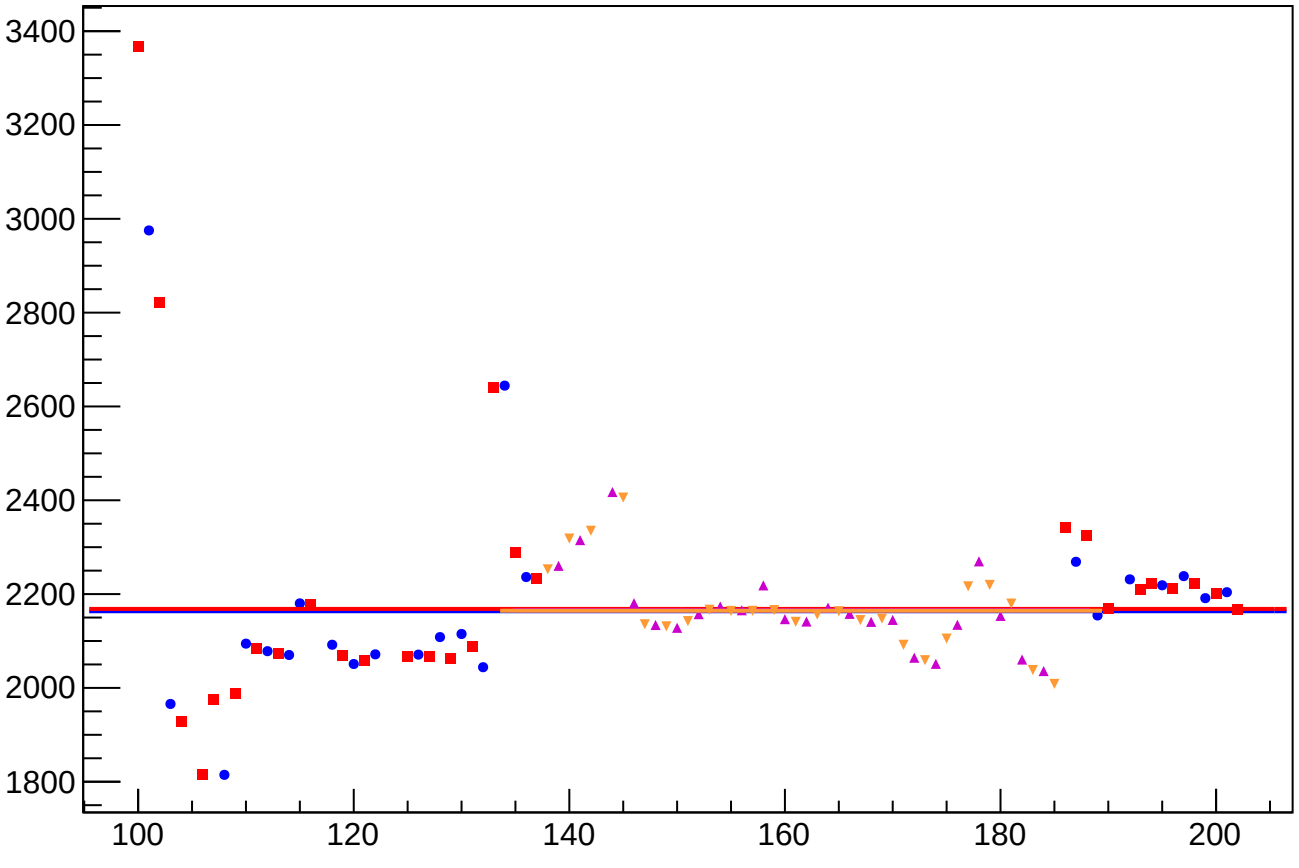
Right: 2584.034+/-0.390 χ^2/NDF: 8354938.6/49

In: 1461.192+/-0.202 χ^2/NDF:8489169.5/45

Out: 1466.801+/-0.199 χ^2/NDF:10384672.9/50

All: 1464.033+/-0.142 χ^2/NDF: 18874234.7/9


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1072.930+/-618.352 χ²/NDF: 13.9/22
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 601.338+/-581.505 χ²/NDF: 21.7/26
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -184.428+/-423.614 χ²/NDF: 39.5/49
In: -661.098+/-391.623 χ²/NDF:30.3/45
Out: -185.375+/-380.346 χ²/NDF:53.4/50
All: -416.289+/-272.845 χ²/NDF: 84.5/96



Right In: 2163.450+/-0.437 χ^2/NDF: 185640.8/22

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2168.393+/-0.411 χ^2/NDF: 188527.6/26

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

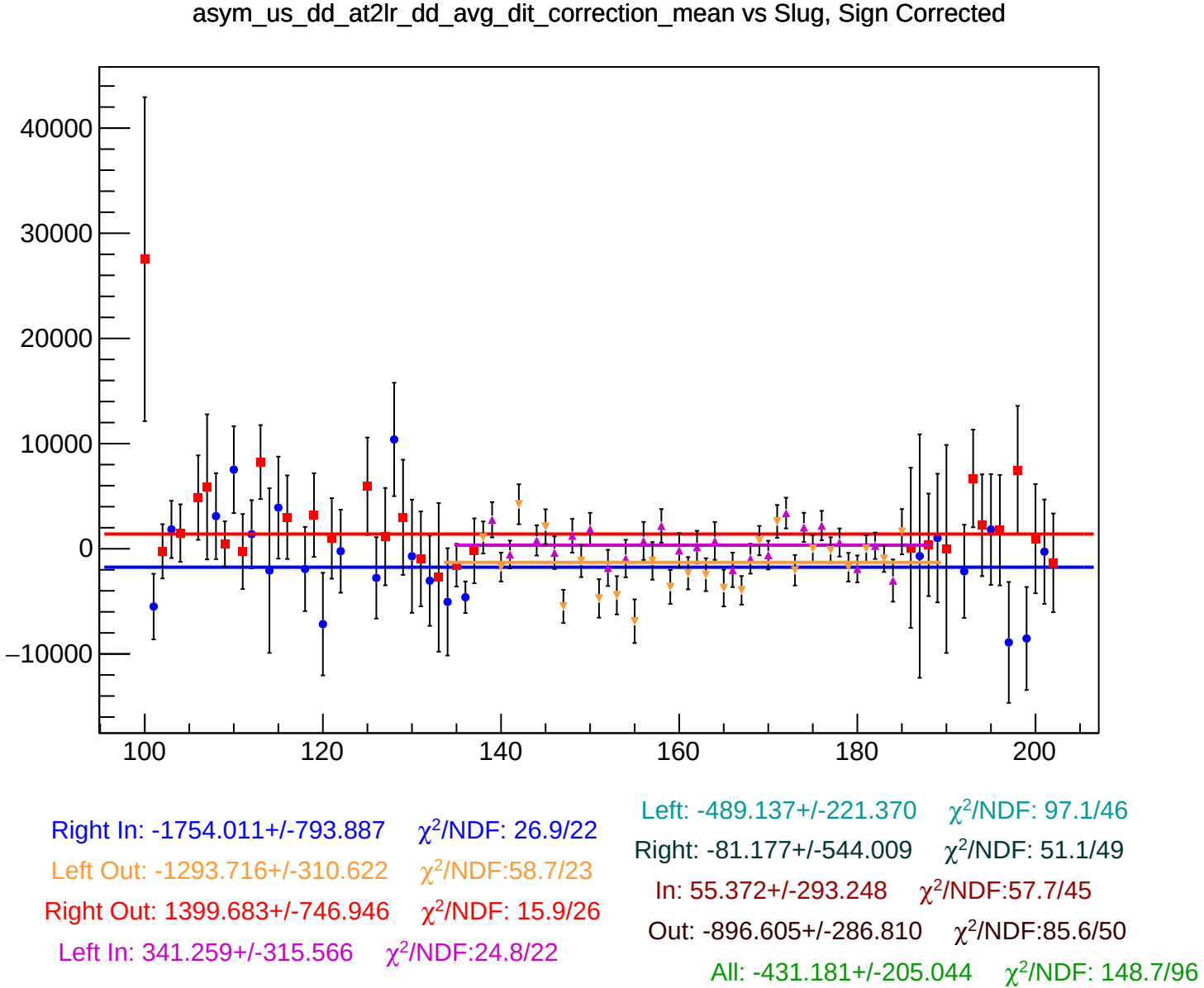
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

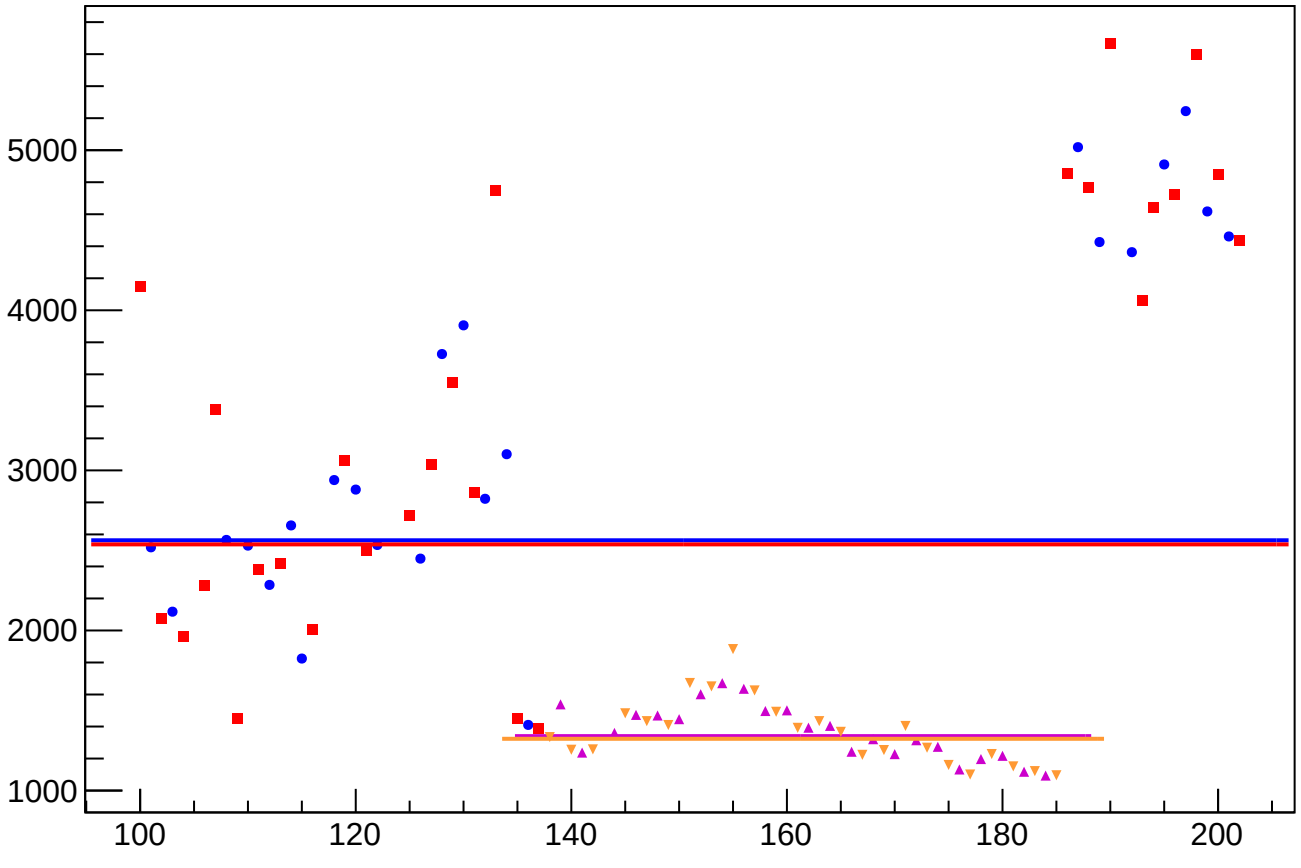
Right: 2166.073+/-0.300 χ^2/NDF: 374236.1/49

In: 2164.764+/-0.277 χ^2/NDF:237780.3/45

Out: 2166.184+/-0.269 χ^2/NDF:239254.3/50

All: 2165.494+/-0.193 χ^2/NDF: 477048.1/96


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1754.011+/-793.887 χ²/NDF: 26.9/22
Left Out: -1293.716+/-310.622 χ²/NDF:58.7/23
Right Out: 1399.683+/-746.946 χ²/NDF: 15.9/26
Left In: 341.259+/-315.566 χ²/NDF:24.8/22
Left: -489.137+/-221.370 χ²/NDF: 97.1/46
Right: -81.177+/-544.009 χ²/NDF: 51.1/49
In: 55.372+/-293.248 χ²/NDF:57.7/45
Out: -896.605+/-286.810 χ²/NDF:85.6/50
All: -431.181+/-205.044 χ²/NDF: 148.7/96



Right In: 2563.373+/-0.561 χ^2/NDF: 3658225.6/22

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2537.782+/-0.528 χ^2/NDF: 4928527.9/26

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

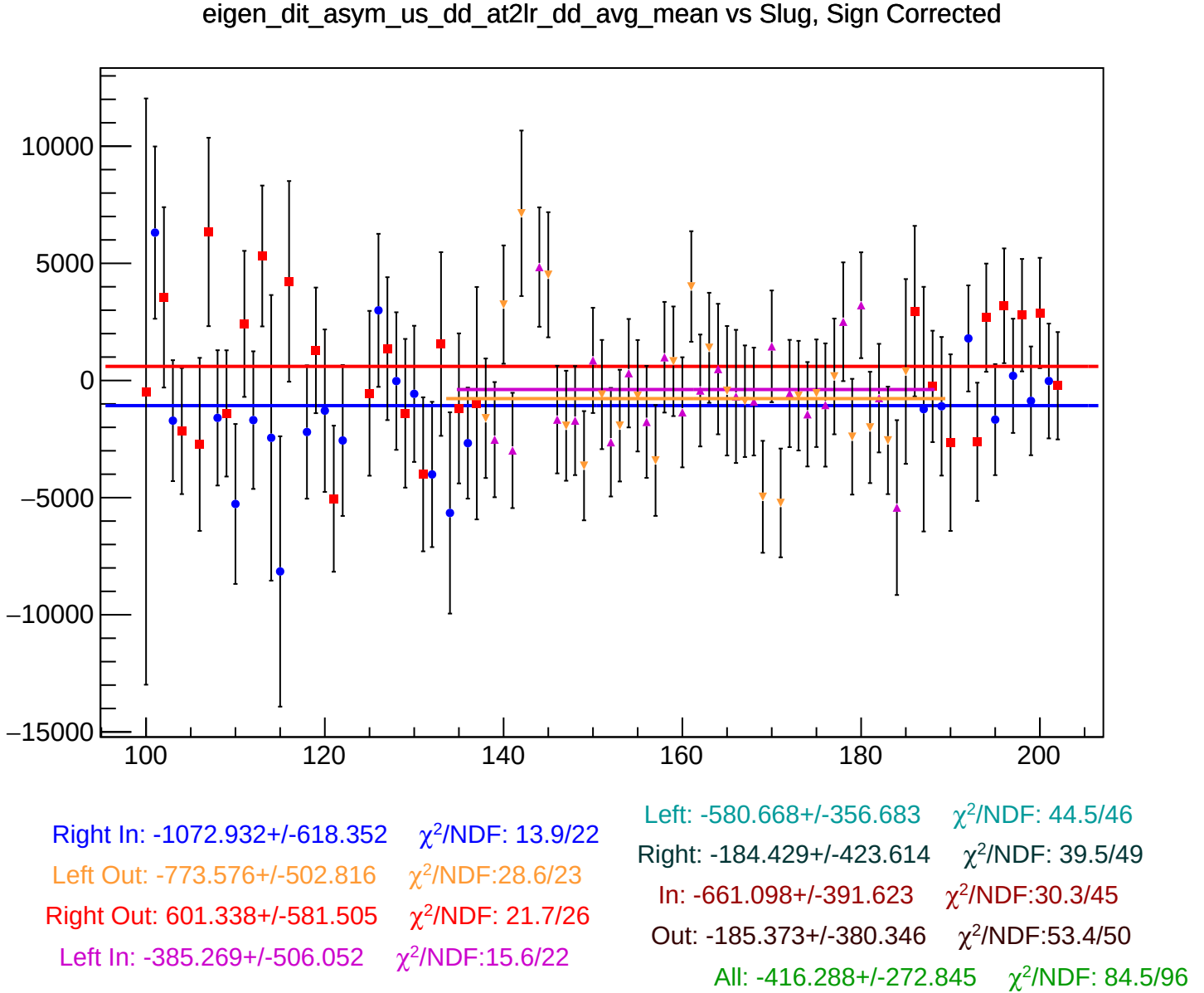
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

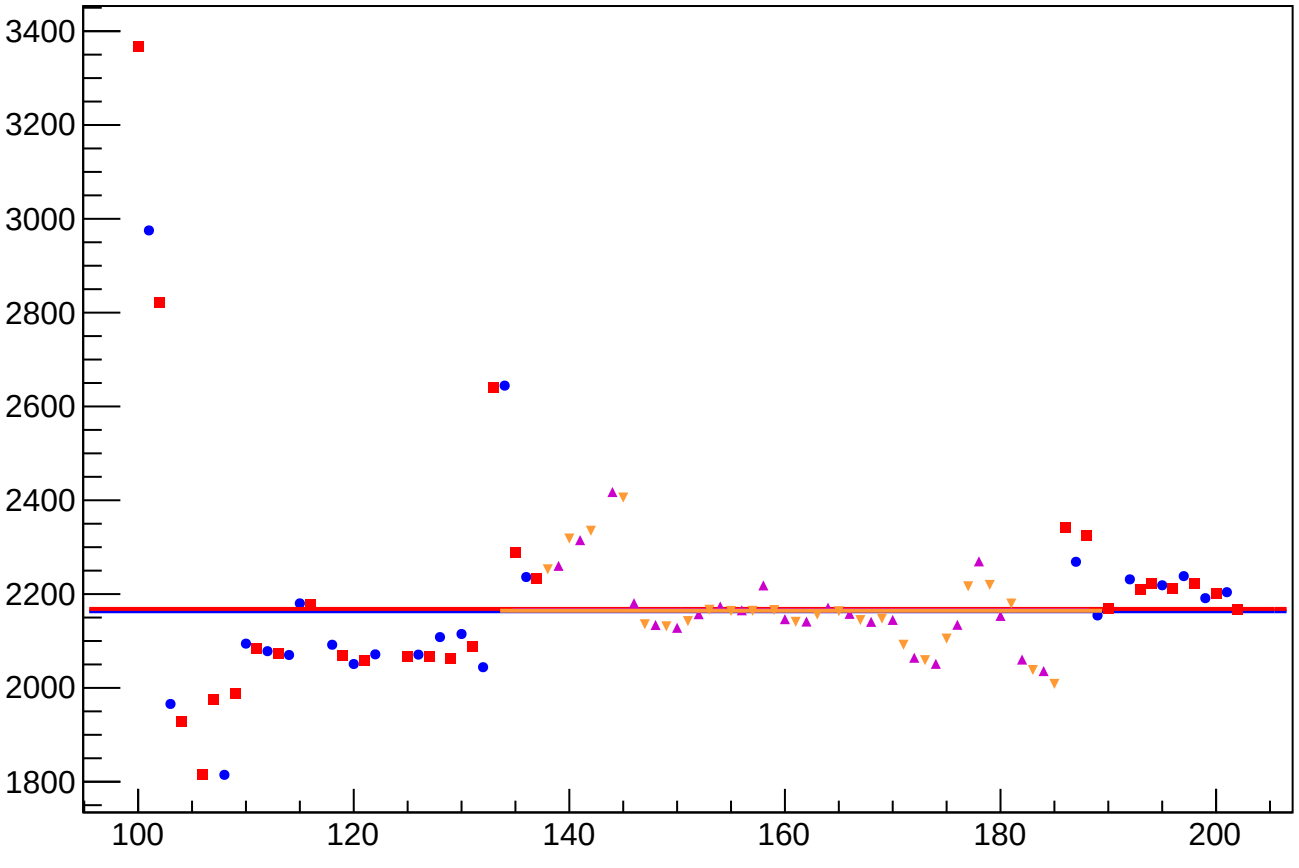
Right: 2549.799+/-0.385 χ^2/NDF: 8587855.9/49

In: 1506.995+/-0.207 χ^2/NDF:8253225.6/45

Out: 1502.449+/-0.203 χ^2/NDF:10099370.9/50

All: 1504.671+/-0.145 χ^2/NDF: 18352842.1/9


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
Right In: -1072.932+/-618.352 χ²/NDF: 13.9/22
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 601.338+/-581.505 χ²/NDF: 21.7/26
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -184.429+/-423.614 χ²/NDF: 39.5/49
In: -661.098+/-391.623 χ²/NDF:30.3/45
Out: -185.373+/-380.346 χ²/NDF:53.4/50
All: -416.288+/-272.845 χ²/NDF: 84.5/96



Right In: 2163.450+/-0.437 χ^2/NDF: 185640.7/22

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2168.393+/-0.411 χ^2/NDF: 188527.5/26

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

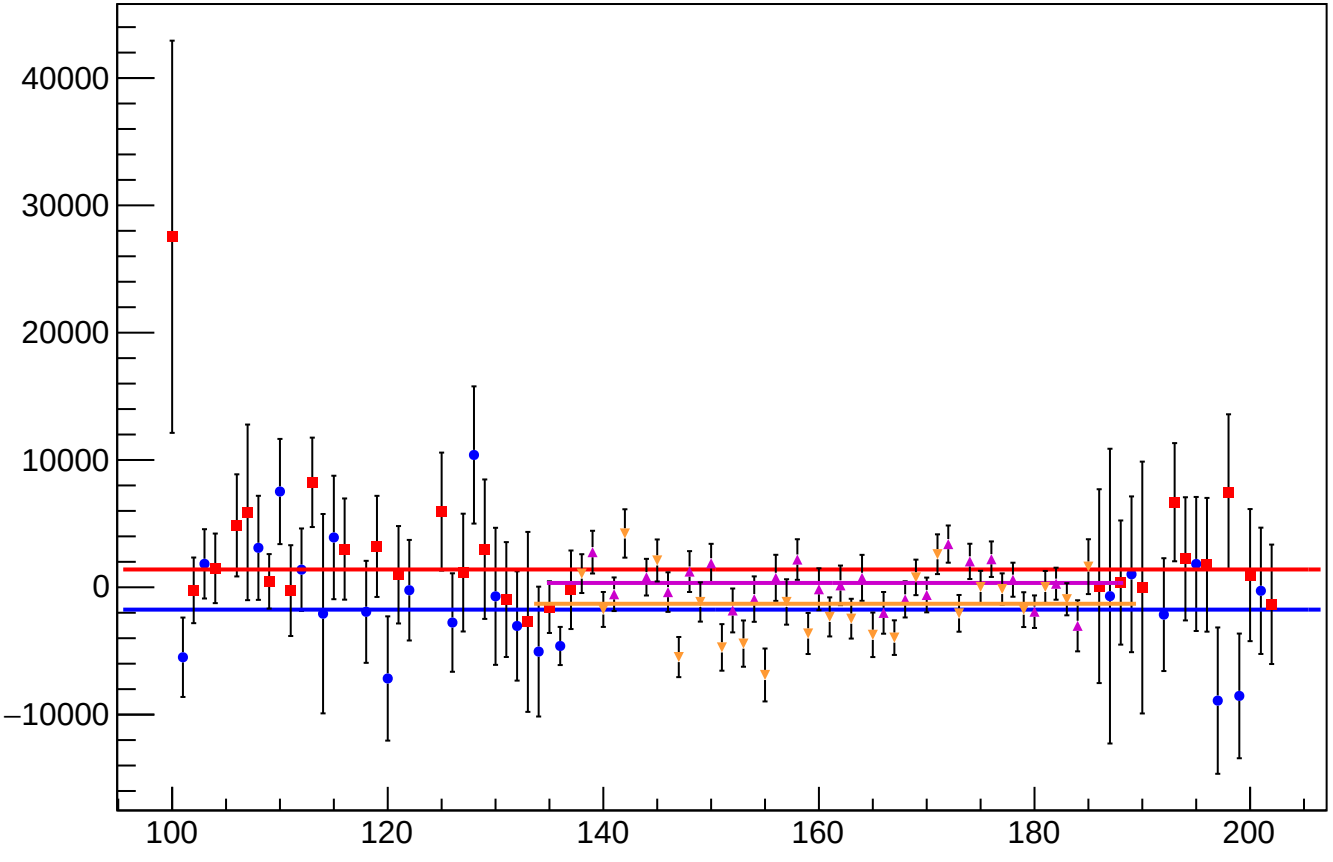
Right: 2166.073+/-0.300 χ^2/NDF: 374236.0/49

In: 2164.763+/-0.277 χ^2/NDF:237780.2/45

Out: 2166.184+/-0.269 χ^2/NDF:239254.2/50

All: 2165.494+/-0.193 χ^2/NDF: 477048.0/96

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1754.001+/-793.889 χ^2/NDF: 26.9/22

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1399.699+/-746.949 χ^2/NDF: 15.9/26

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

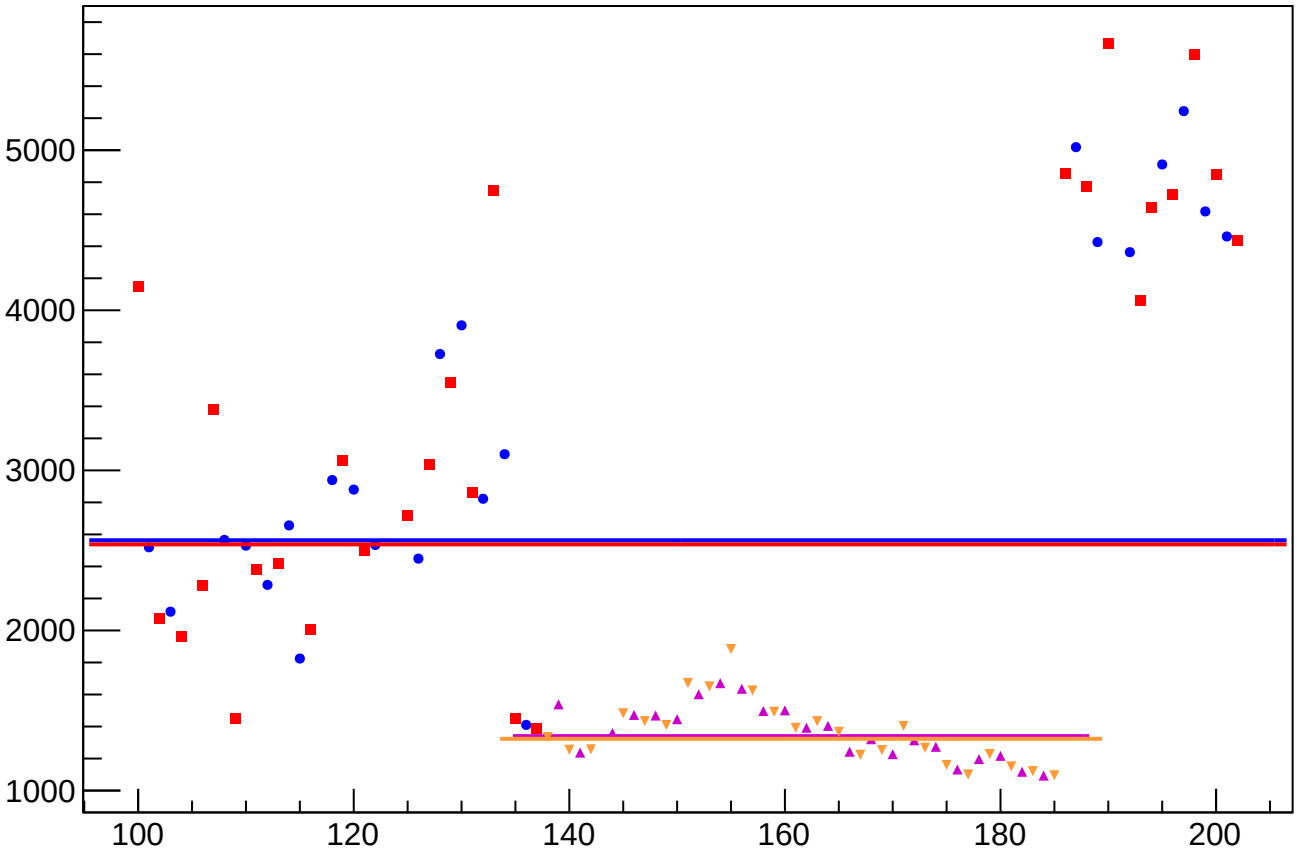
Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

Right: -81.165+/-544.011 χ^2/NDF: 51.1/49

In: 55.373+/-293.248 χ^2/NDF:57.7/45

Out: -896.606+/-286.810 χ^2/NDF:85.6/50

All: -431.180+/-205.044 χ^2/NDF: 148.7/96



Right In: 2563.386+/-0.561 χ^2/NDF: 3658144.1/22

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2537.795+/-0.528 χ^2/NDF: 4928448.1/26

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

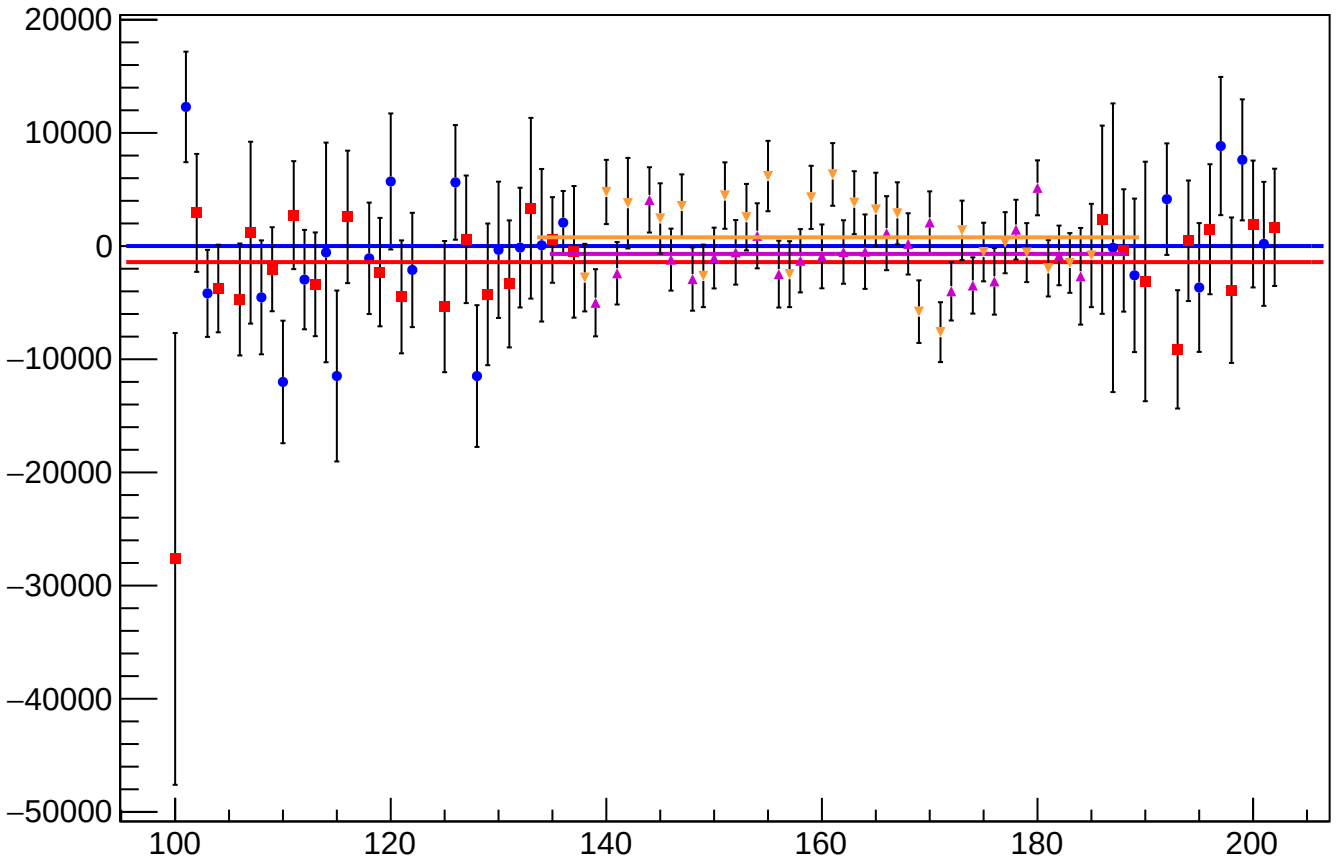
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2549.812+/-0.385 χ^2/NDF: 8587694.6/49

In: 1506.994+/-0.207 χ^2/NDF:8253227.4/45

Out: 1502.449+/-0.203 χ^2/NDF:10099362.0/50

All: 1504.671+/-0.145 χ^2/NDF: 18352834.8/9



Right In: 4.554+/-1088.761 χ^2/NDF: 27.7/22

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1414.278+/-1039.162 χ^2/NDF: 10.4/26

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

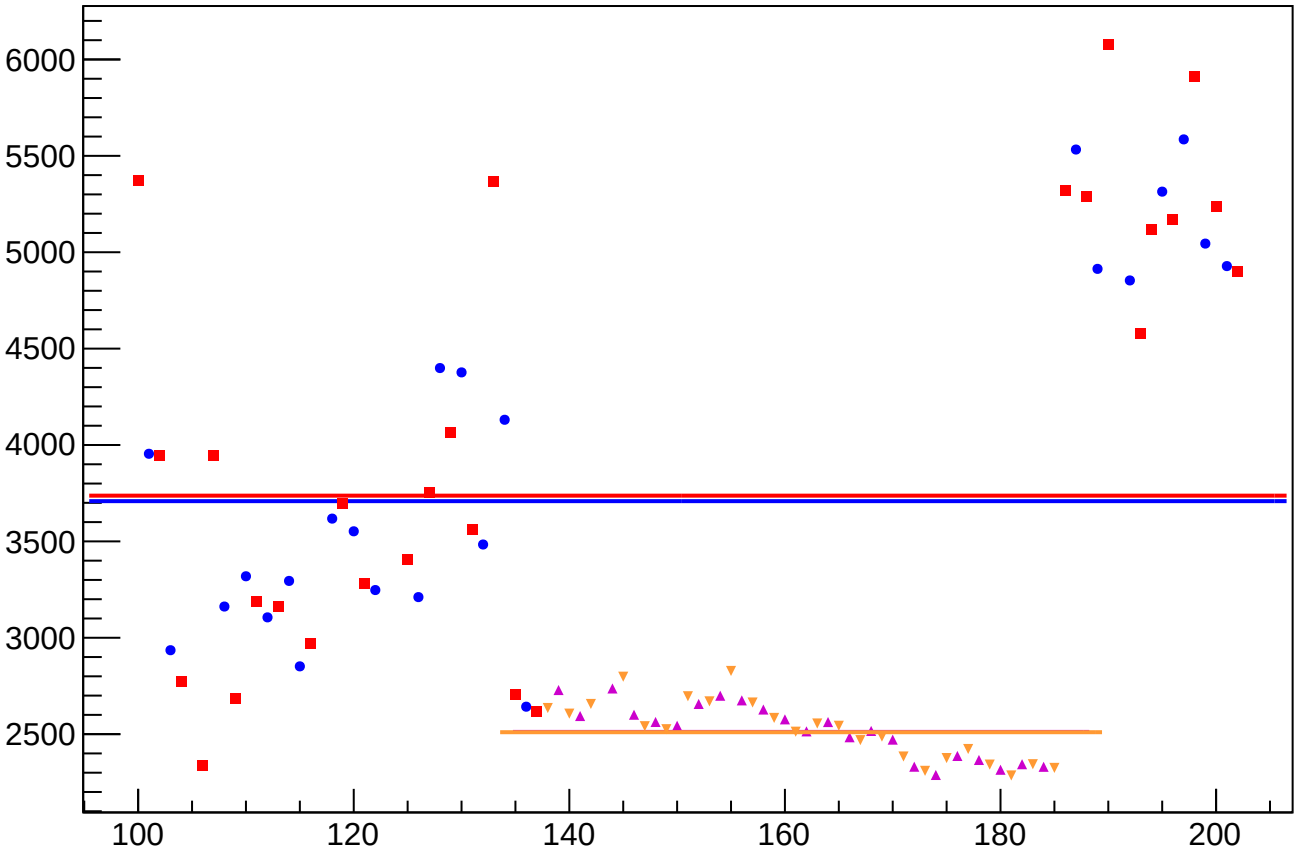
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -737.915+/-751.722 χ^2/NDF: 39.0/49

In: -533.385+/-516.983 χ^2/NDF:46.3/45

Out: 249.776+/-508.907 χ^2/NDF:53.1/50

All: -135.639+/-362.673 χ^2/NDF: 100.6/96



Right In: 3708.728+/-0.770 χ^2/NDF: 1359300.0/22

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3737.242+/-0.735 χ^2/NDF: 2010526.1/26

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

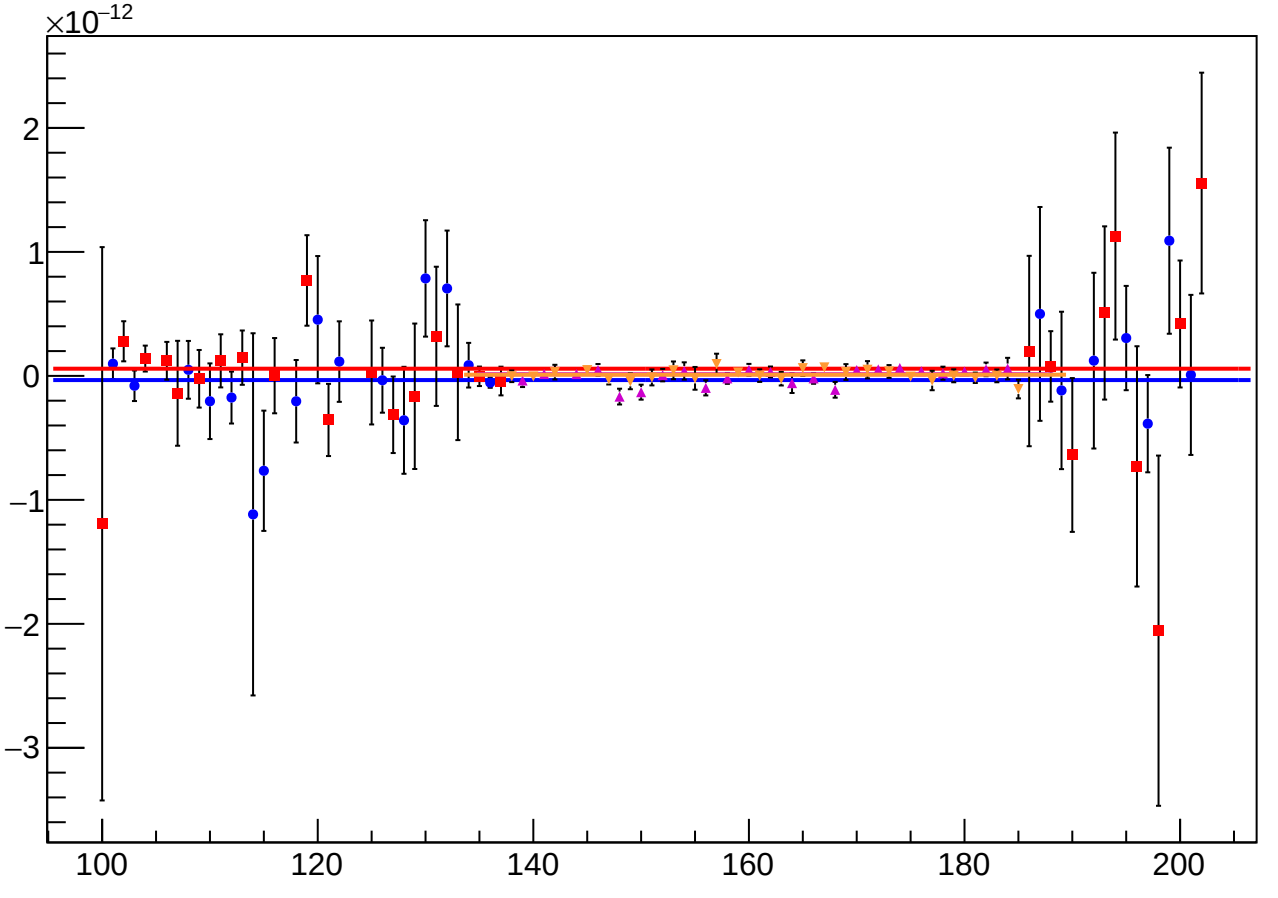
Right: 3723.649+/-0.532 χ^2/NDF: 3370543.9/49

In: 2781.525+/-0.366 χ^2/NDF:3345520.8/45

Out: 2804.391+/-0.360 χ^2/NDF:4259427.1/50

All: 2793.138+/-0.256 χ^2/NDF: 7606934.9/96

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/26

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

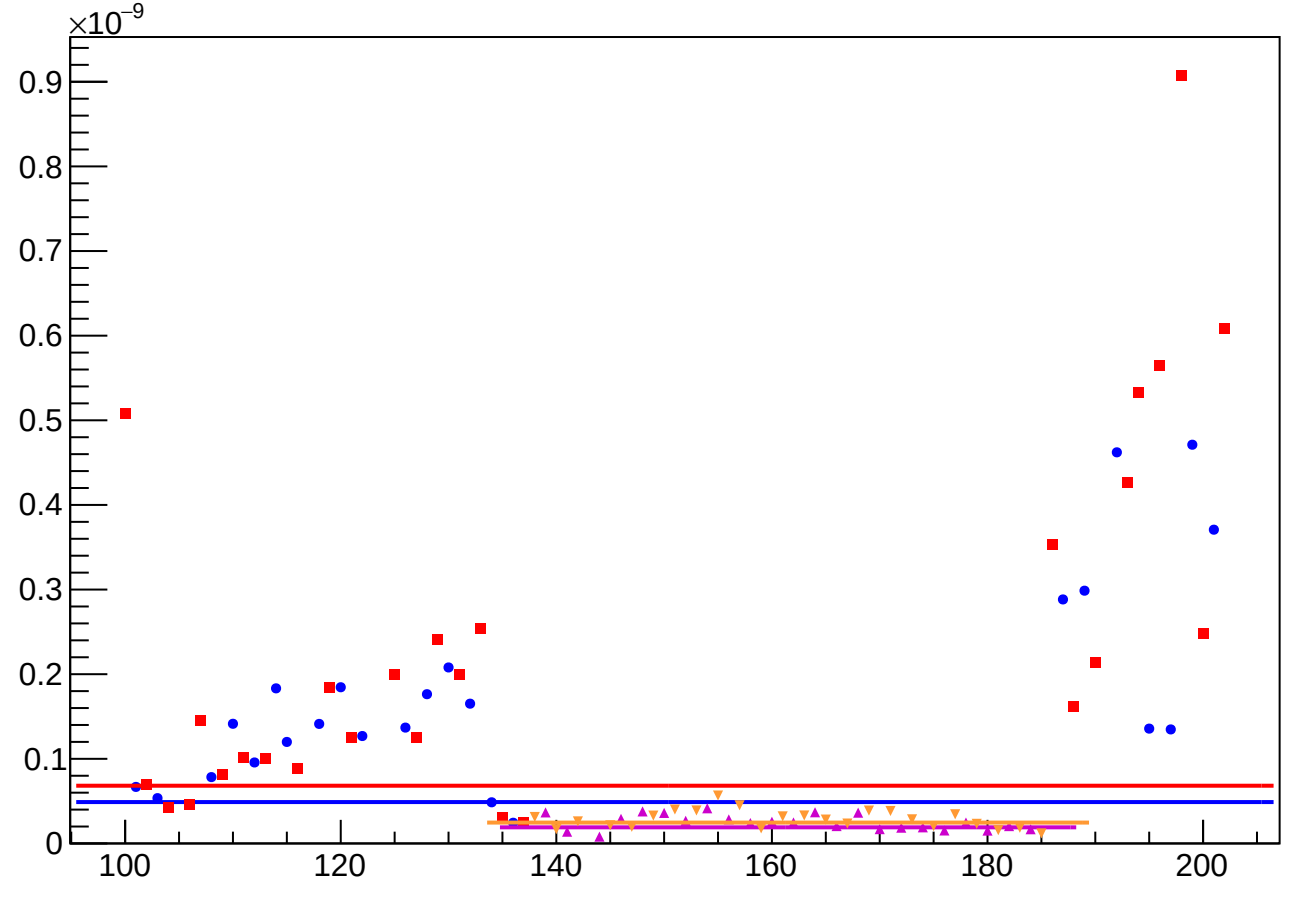
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 42.4/49

In: 0.000+/-0.000 χ^2/NDF:50.1/45

Out: 0.000+/-0.000 χ^2/NDF:35.6/50

All: 0.000+/-0.000 χ^2/NDF: 85.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 4727432.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6172958.5/26

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

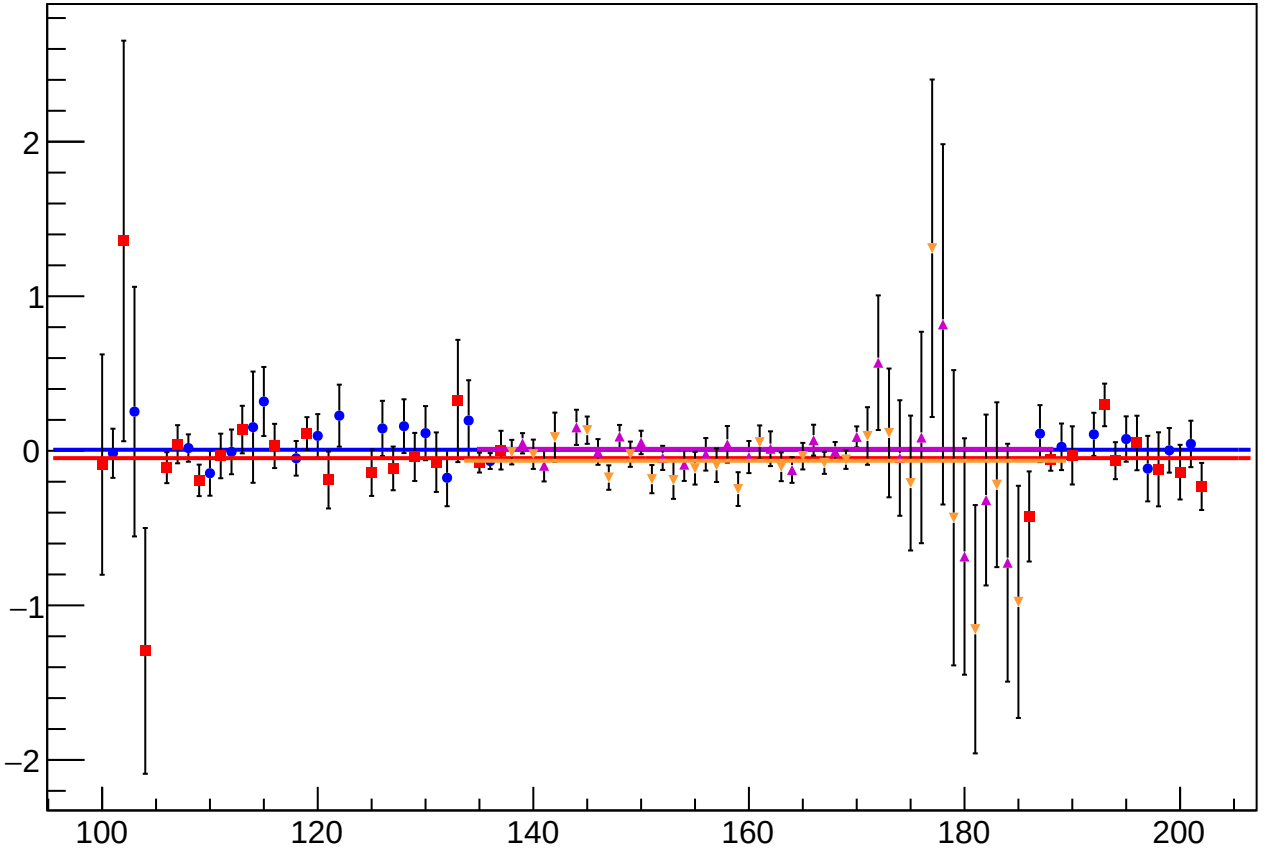
Right: 0.000+/-0.000 χ^2/NDF: 11154294.6/49

In: 0.000+/-0.000 χ^2/NDF:8375150.8/45

Out: 0.000+/-0.000 χ^2/NDF:9594017.6/50

All: 0.000+/-0.000 χ^2/NDF: 18435633.8/96

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.028 χ^2/NDF: 11.9/22

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

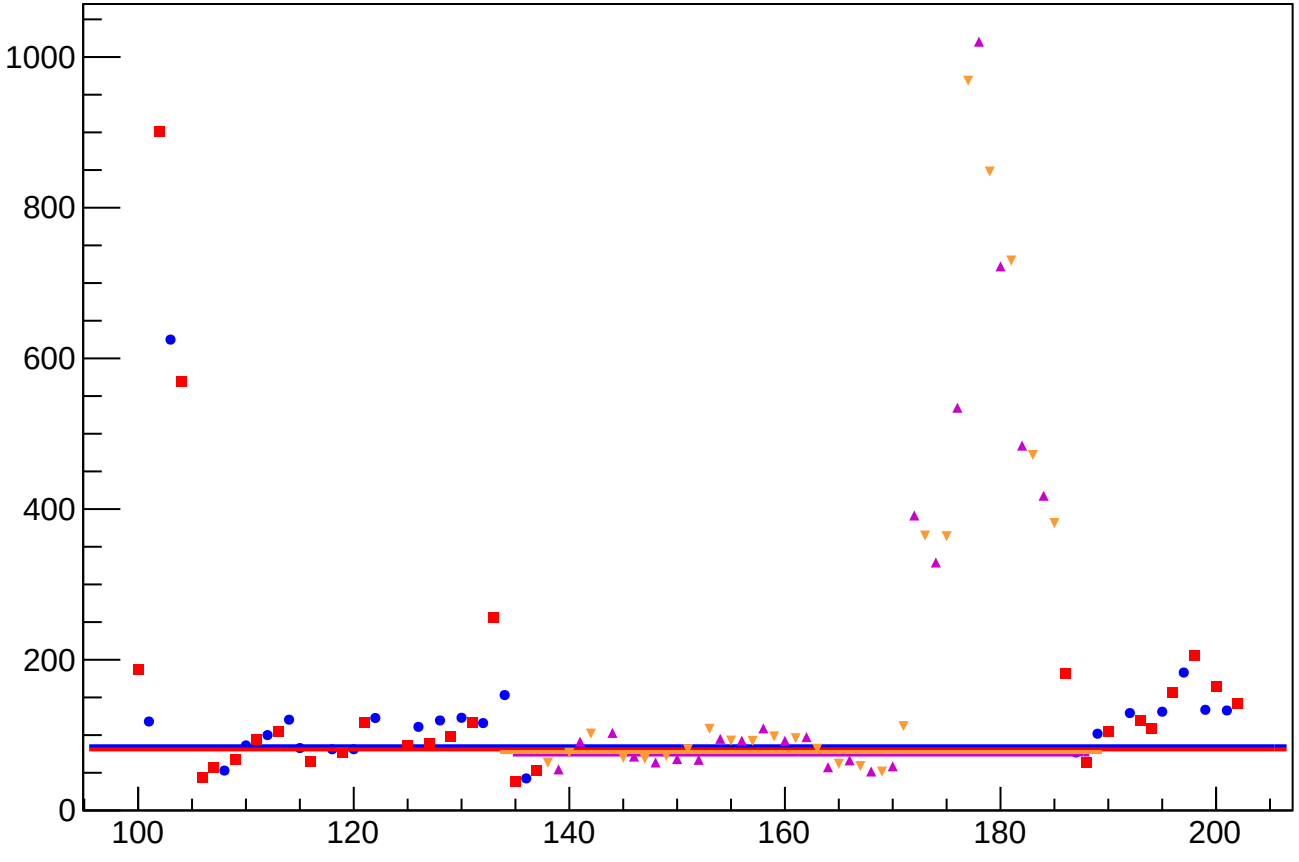
Right: -0.023+/-0.019 χ^2/NDF: 37.0/49

In: 0.011+/-0.017 χ^2/NDF:27.0/45

Out: -0.057+/-0.017 χ^2/NDF:45.7/50

All: -0.024+/-0.012 χ^2/NDF: 80.7/96

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.174+/-0.020 χ^2/NDF: 4404334.8/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.995+/-0.018 χ^2/NDF: 5952813.8/26

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

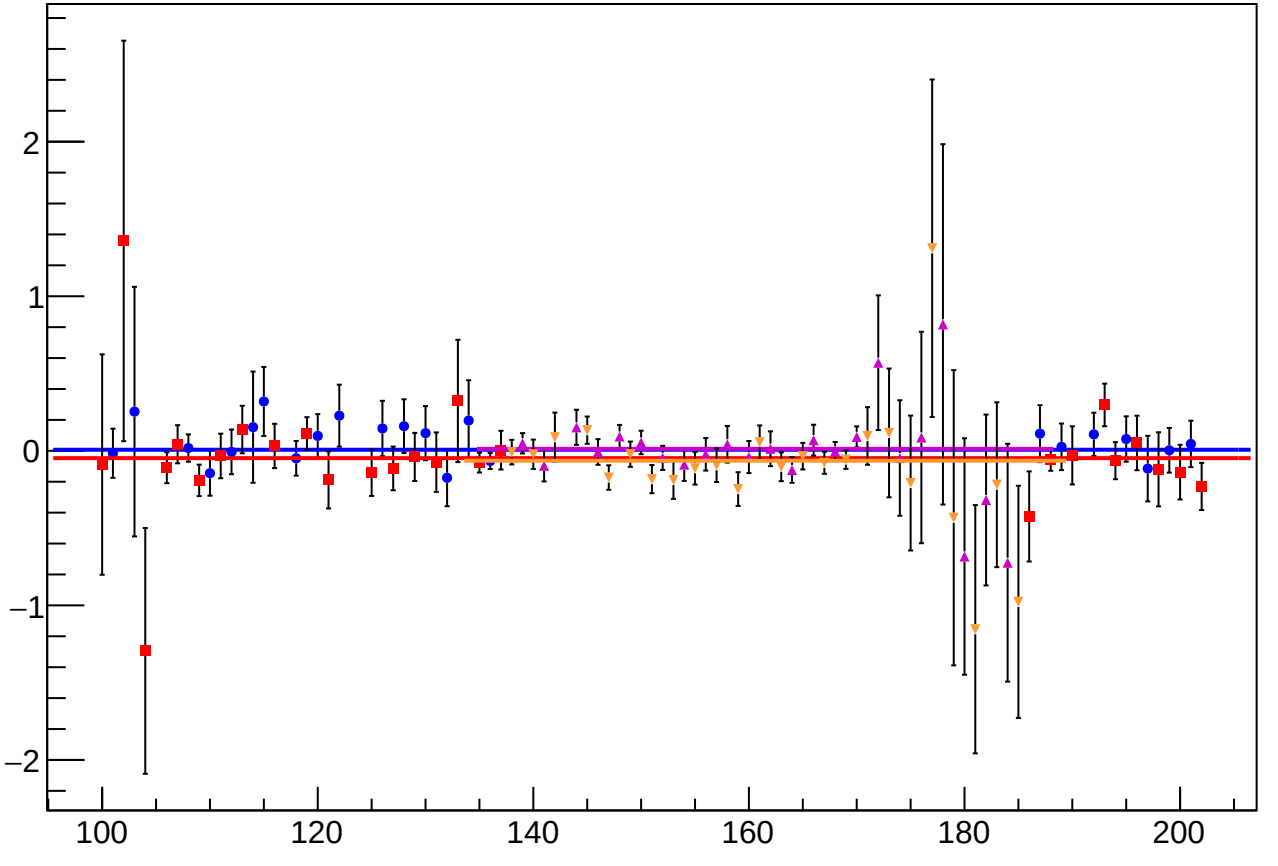
Right: 82.907+/-0.014 χ^2/NDF: 10380816.2/49

In: 78.137+/-0.012 χ^2/NDF:13111000.0/45

Out: 78.987+/-0.012 χ^2/NDF:14304611.4/50

All: 78.565+/-0.008 χ^2/NDF: 27418144.9/96

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.028 χ^2/NDF: 11.9/22

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

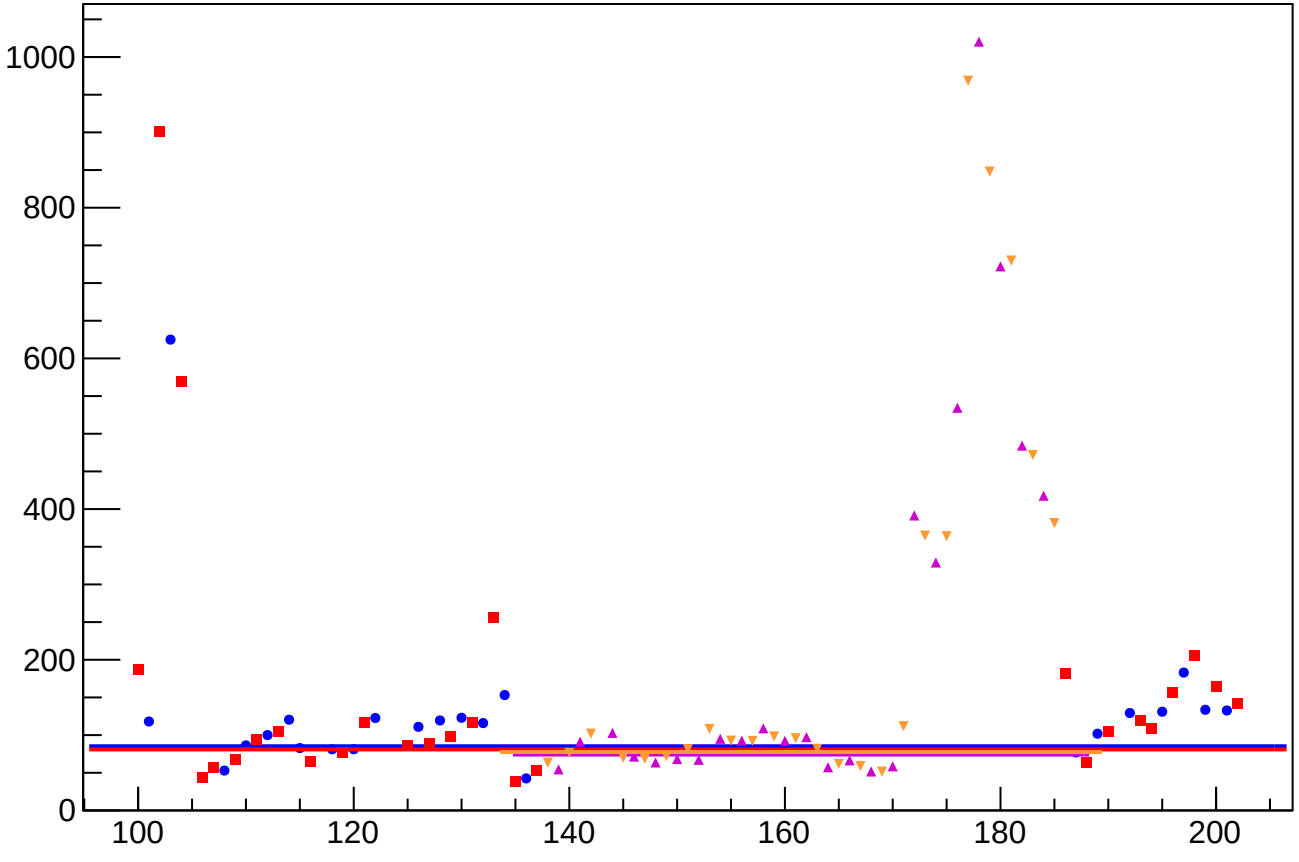
Right: -0.023+/-0.019 χ^2/NDF: 37.0/49

In: 0.011+/-0.017 χ^2/NDF:27.0/45

Out: -0.057+/-0.017 χ^2/NDF:45.7/50

All: -0.024+/-0.012 χ^2/NDF: 80.7/96

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.174+/-0.020 χ^2/NDF: 4404334.8/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.995+/-0.018 χ^2/NDF: 5952813.8/26

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

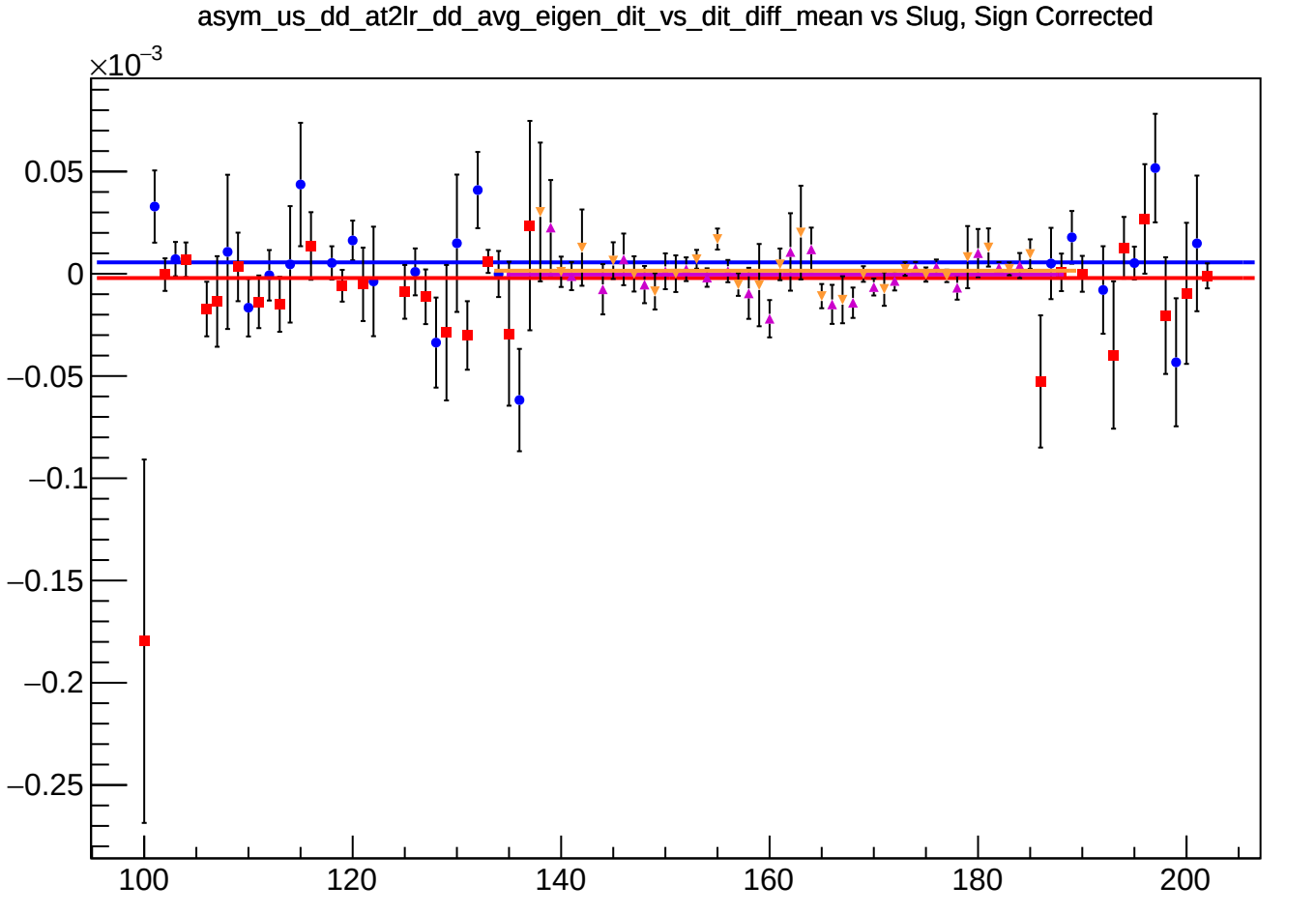
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 82.907+/-0.014 χ^2/NDF: 10380816.2/49

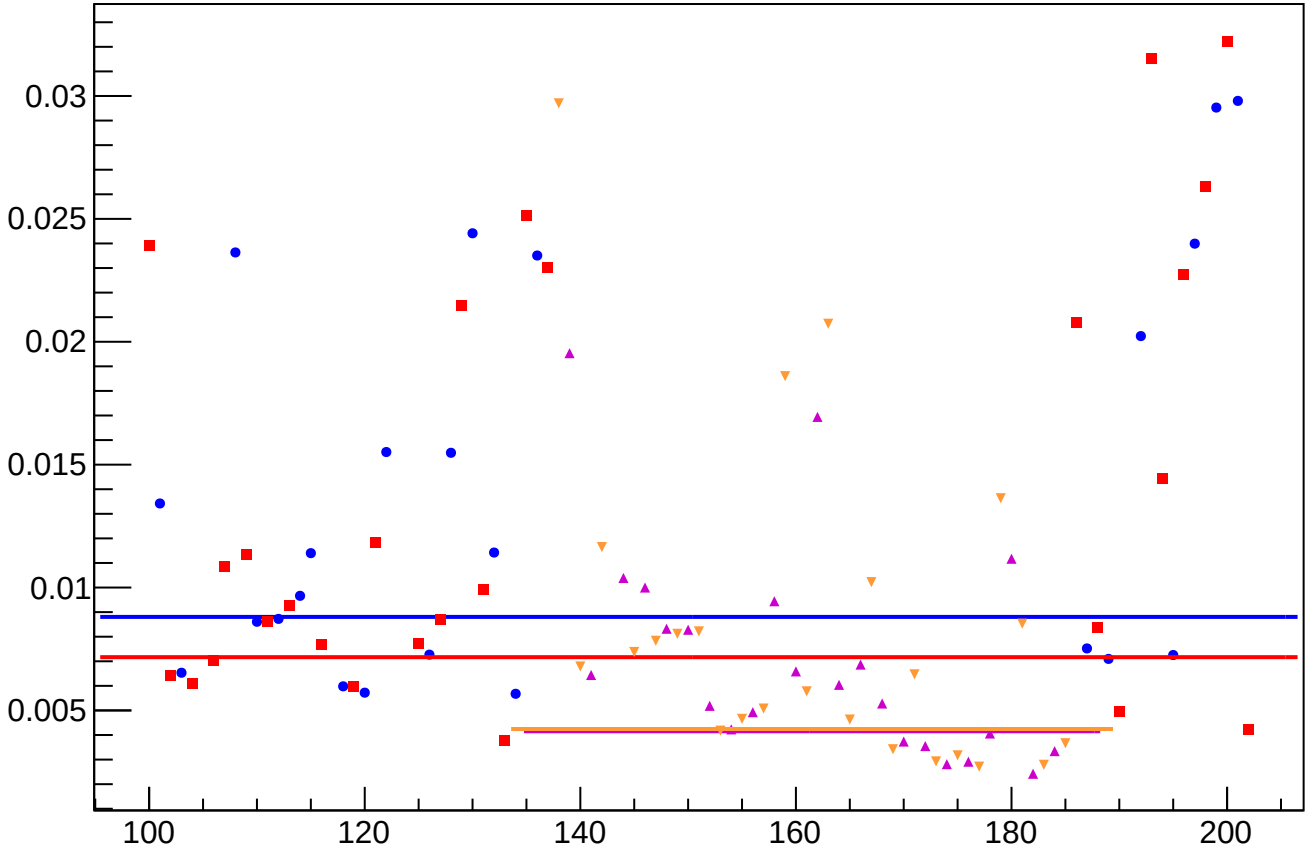
In: 78.137+/-0.012 χ^2/NDF:13111000.0/45

Out: 78.987+/-0.012 χ^2/NDF:14304611.4/50

All: 78.565+/-0.008 χ^2/NDF: 27418144.9/96


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
Right In: 0.000+/-0.000 χ²/NDF: 29.5/22
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.1/26
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: 56.7/49
In: 0.000+/-0.000 χ²/NDF:57.5/45
Out: 0.000+/-0.000 χ²/NDF:52.1/50
All: 0.000+/-0.000 χ²/NDF: 109.7/96

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 5735690.6/22

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.007+/-0.000 χ^2/NDF: 7434788.9/26

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

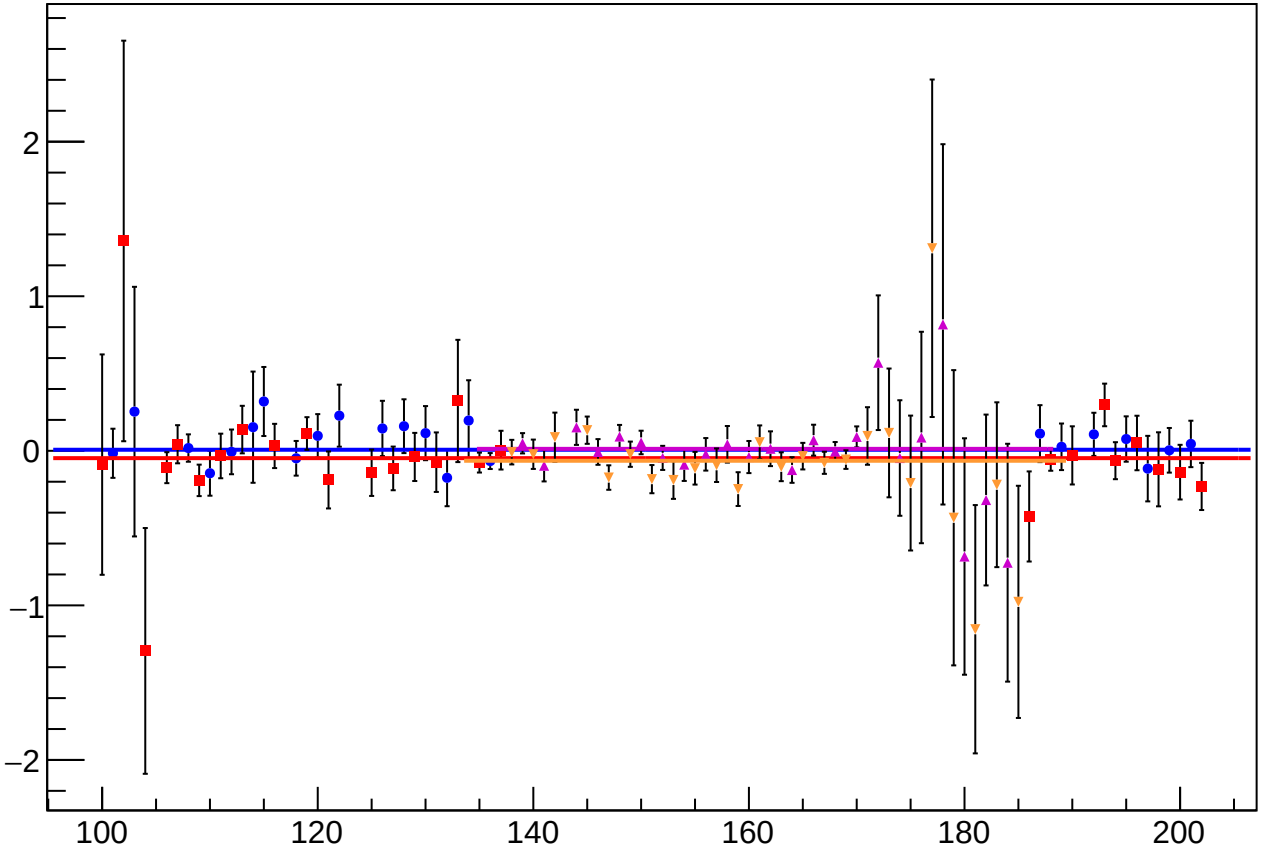
Right: 0.008+/-0.000 χ^2/NDF: 13546106.0/49

In: 0.005+/-0.000 χ^2/NDF:16822069.7/45

Out: 0.005+/-0.000 χ^2/NDF:18624648.2/50

All: 0.005+/-0.000 χ^2/NDF: 35448017.3/96

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.028 χ^2/NDF: 11.9/22

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

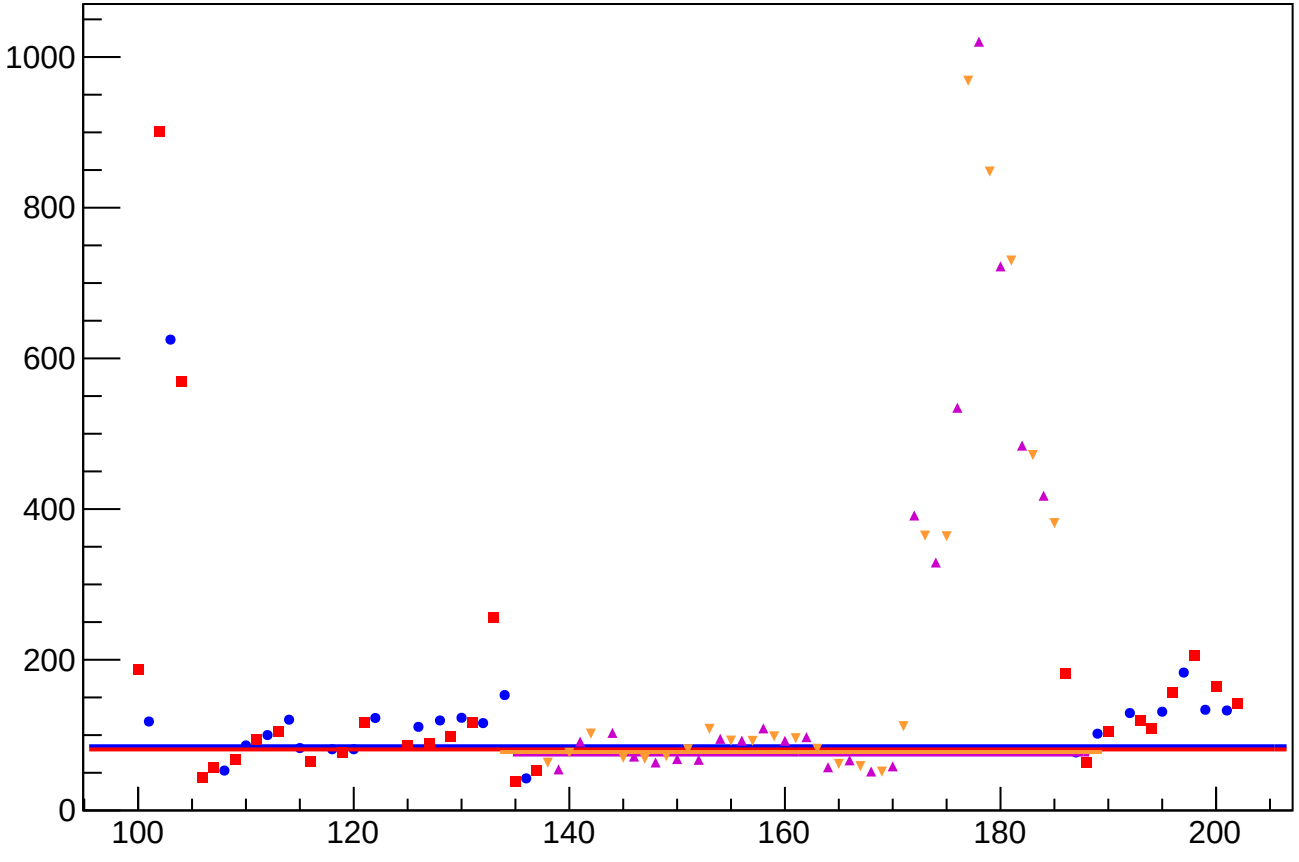
Right: -0.023+/-0.019 χ^2/NDF: 37.0/49

In: 0.011+/-0.017 χ^2/NDF:27.0/45

Out: -0.057+/-0.017 χ^2/NDF:45.7/50

All: -0.024+/-0.012 χ^2/NDF: 80.7/96

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.197+/-0.020 χ^2/NDF: 4400797.9/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.987+/-0.018 χ^2/NDF: 5954415.1/26

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

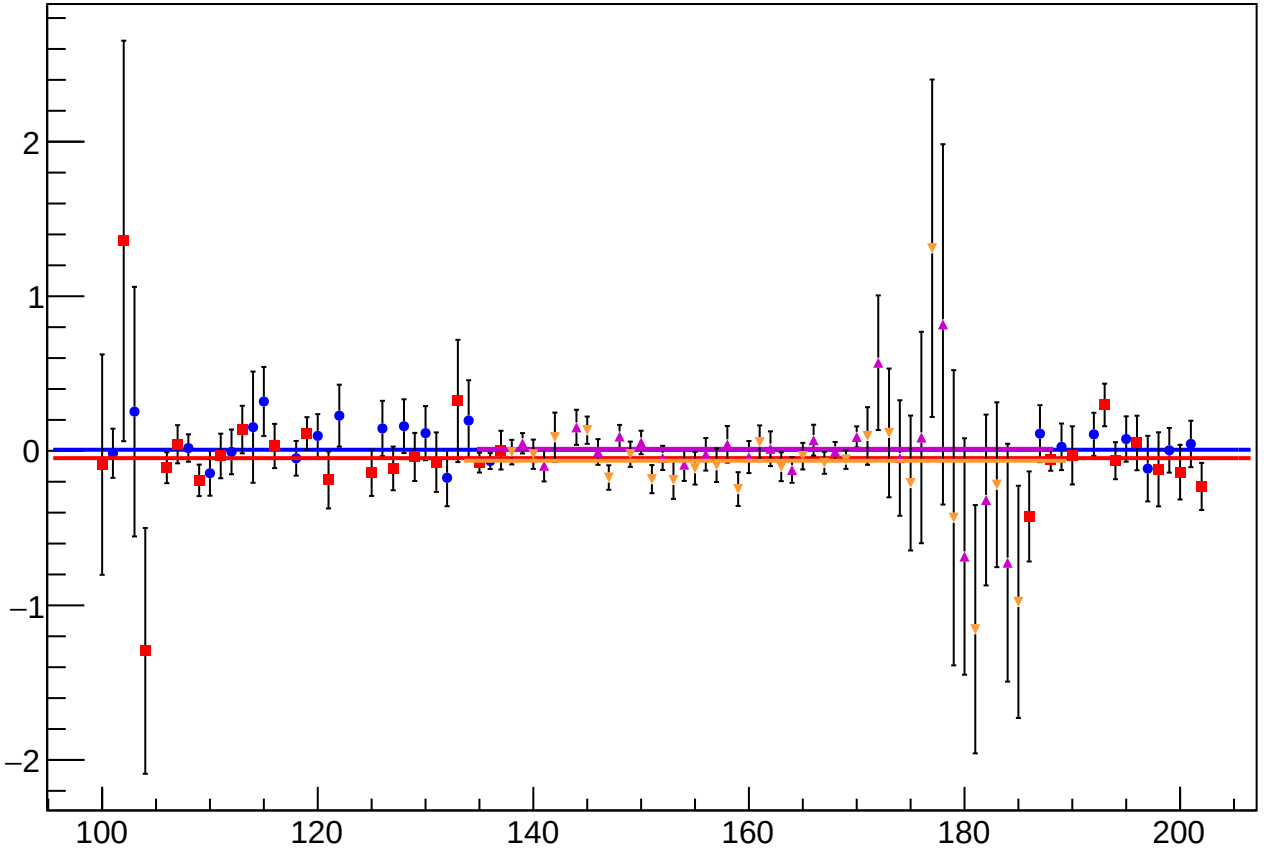
Right: 82.912+/-0.014 χ^2/NDF: 10379237.0/49

In: 78.146+/-0.012 χ^2/NDF:13107901.2/45

Out: 78.983+/-0.012 χ^2/NDF:14306028.9/50

All: 78.567+/-0.008 χ^2/NDF: 27416392.4/96

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.028 χ^2/NDF: 11.9/22

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

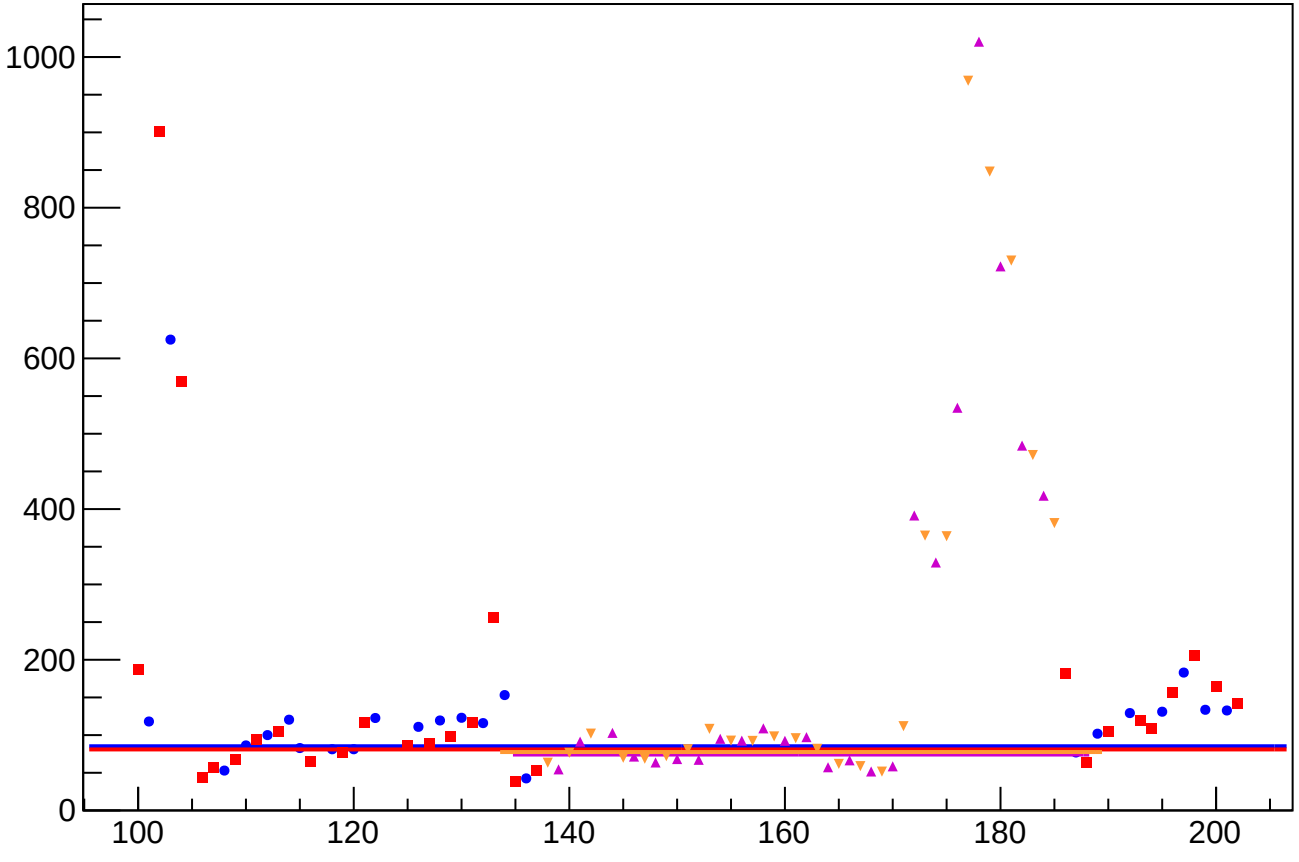
Right: -0.023+/-0.019 χ^2/NDF: 37.0/49

In: 0.011+/-0.017 χ^2/NDF:27.0/45

Out: -0.057+/-0.017 χ^2/NDF:45.7/50

All: -0.024+/-0.012 χ^2/NDF: 80.7/96

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.197+/-0.020 χ^2/NDF: 4400797.9/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.987+/-0.018 χ^2/NDF: 5954415.1/26

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

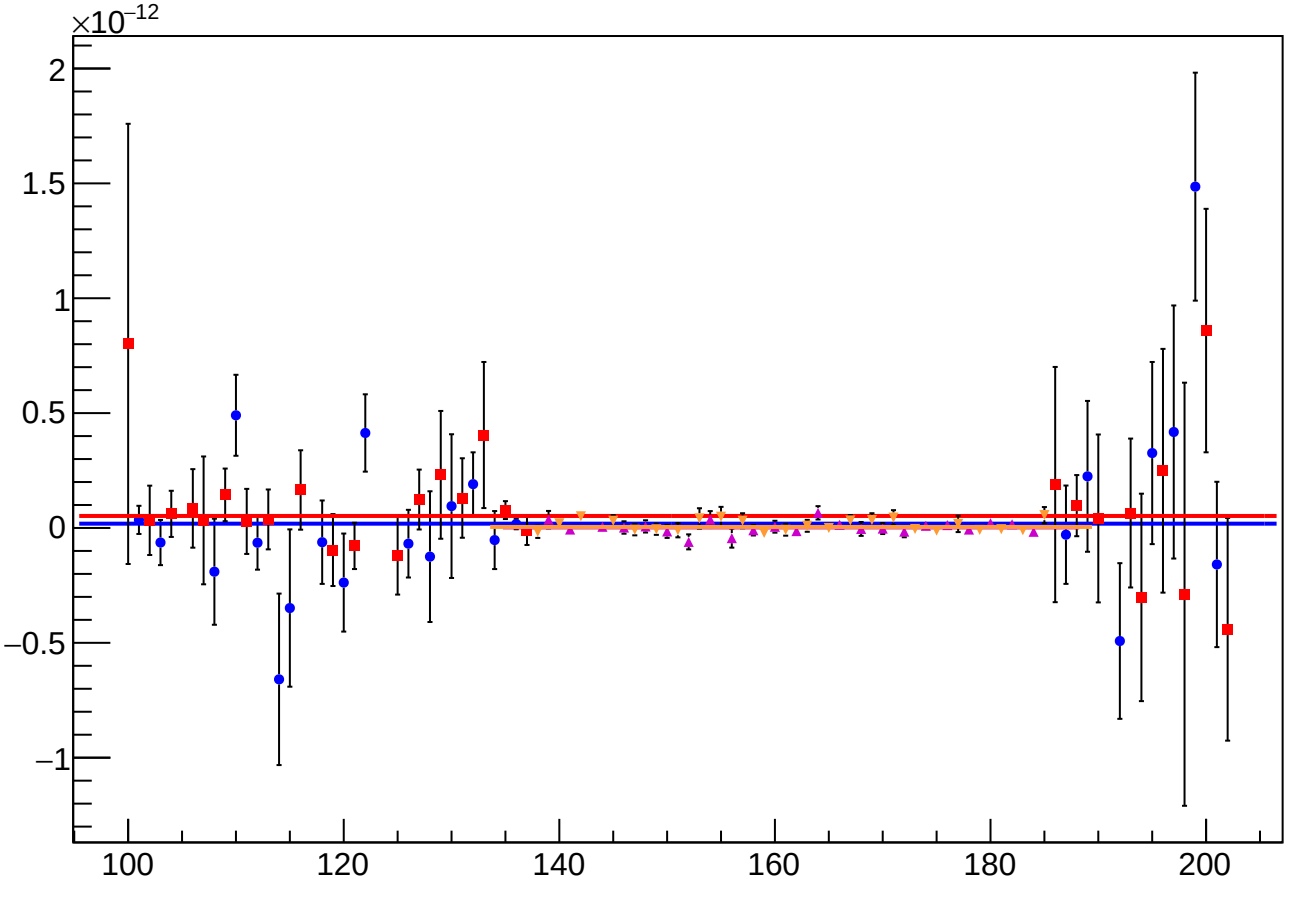
Right: 82.912+/-0.014 χ^2/NDF: 10379237.0/49

In: 78.146+/-0.012 χ^2/NDF:13107901.2/45

Out: 78.983+/-0.012 χ^2/NDF:14306028.9/50

All: 78.567+/-0.008 χ^2/NDF: 27416392.4/96

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: 36.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/26

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

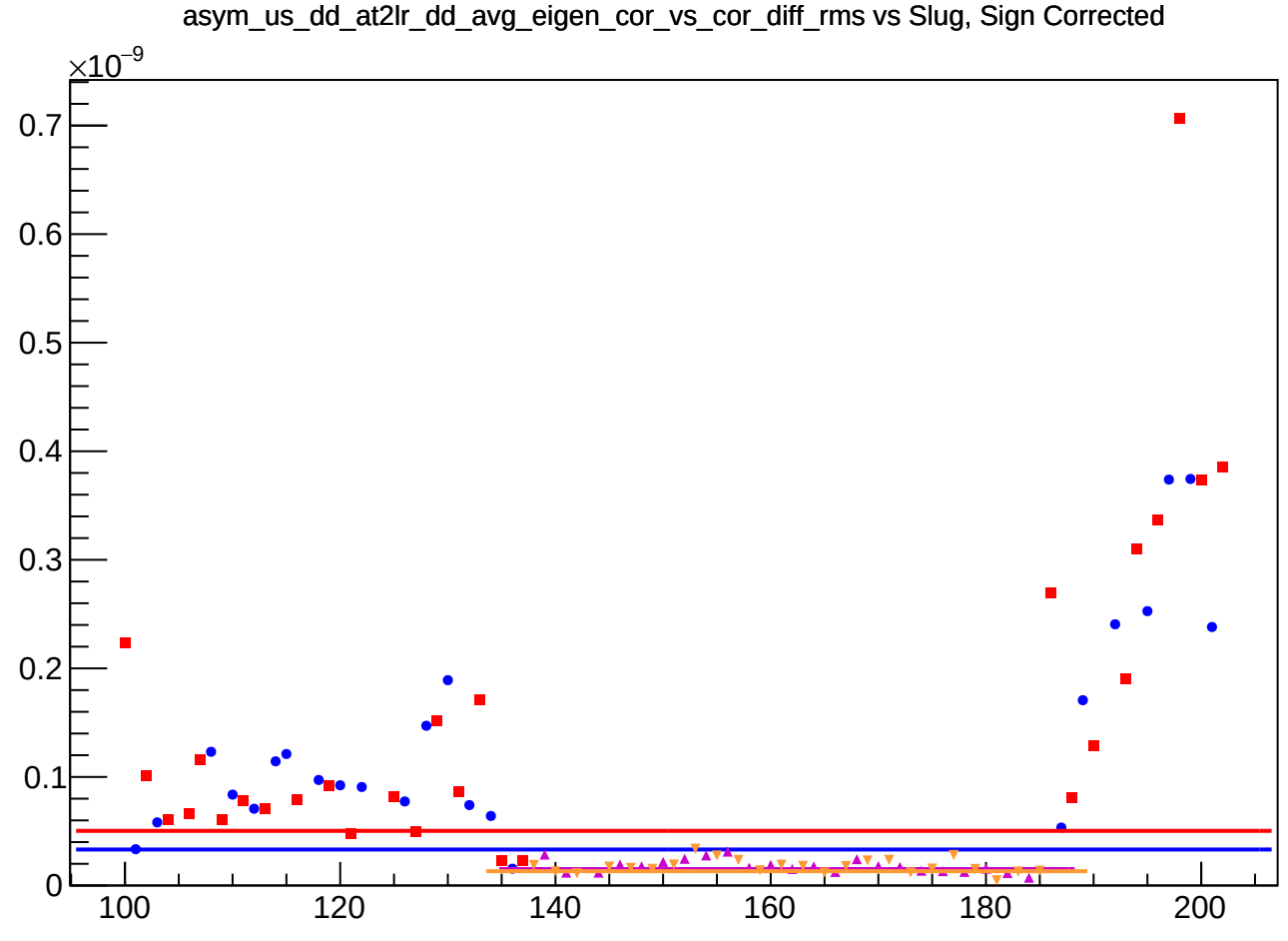
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

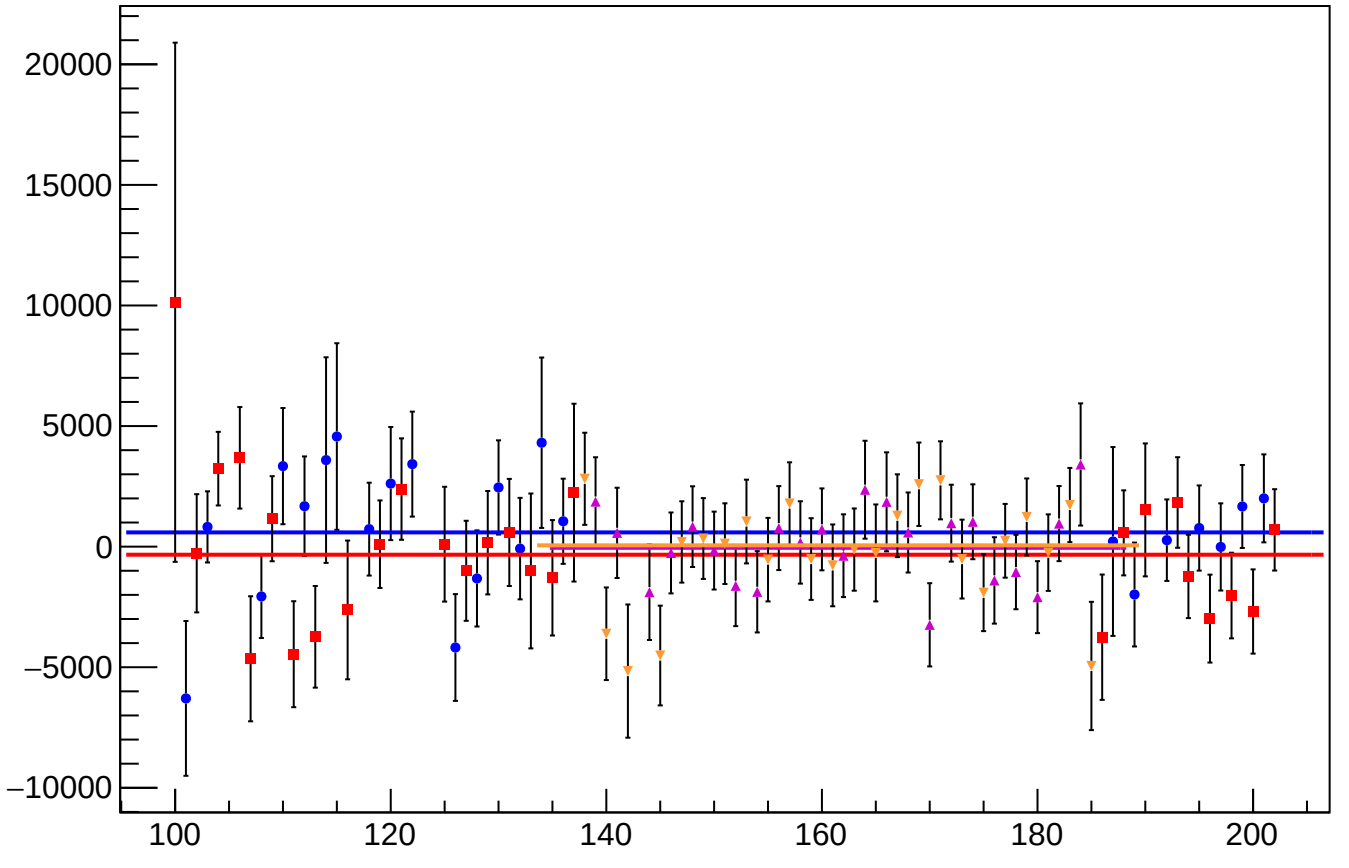
Right: 0.000+/-0.000 χ^2/NDF: 50.9/49

In: 0.000+/-0.000 χ^2/NDF:54.4/45

Out: 0.000+/-0.000 χ^2/NDF:39.0/50

All: 0.000+/-0.000 χ^2/NDF: 93.6/96


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
Right In: 0.000+/-0.000 χ²/NDF: 8232696.4/22
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 7799249.4/26
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: 16654607.7/49
In: 0.000+/-0.000 χ²/NDF:12063213.4/45
Out: 0.000+/-0.000 χ²/NDF:16634621.2/50
All: 0.000+/-0.000 χ²/NDF: 28859230.9/96



Right In: 590.771+/-433.369 χ^2/NDF: 22.9/22

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -334.782+/-405.747 χ^2/NDF: 32.4/26

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

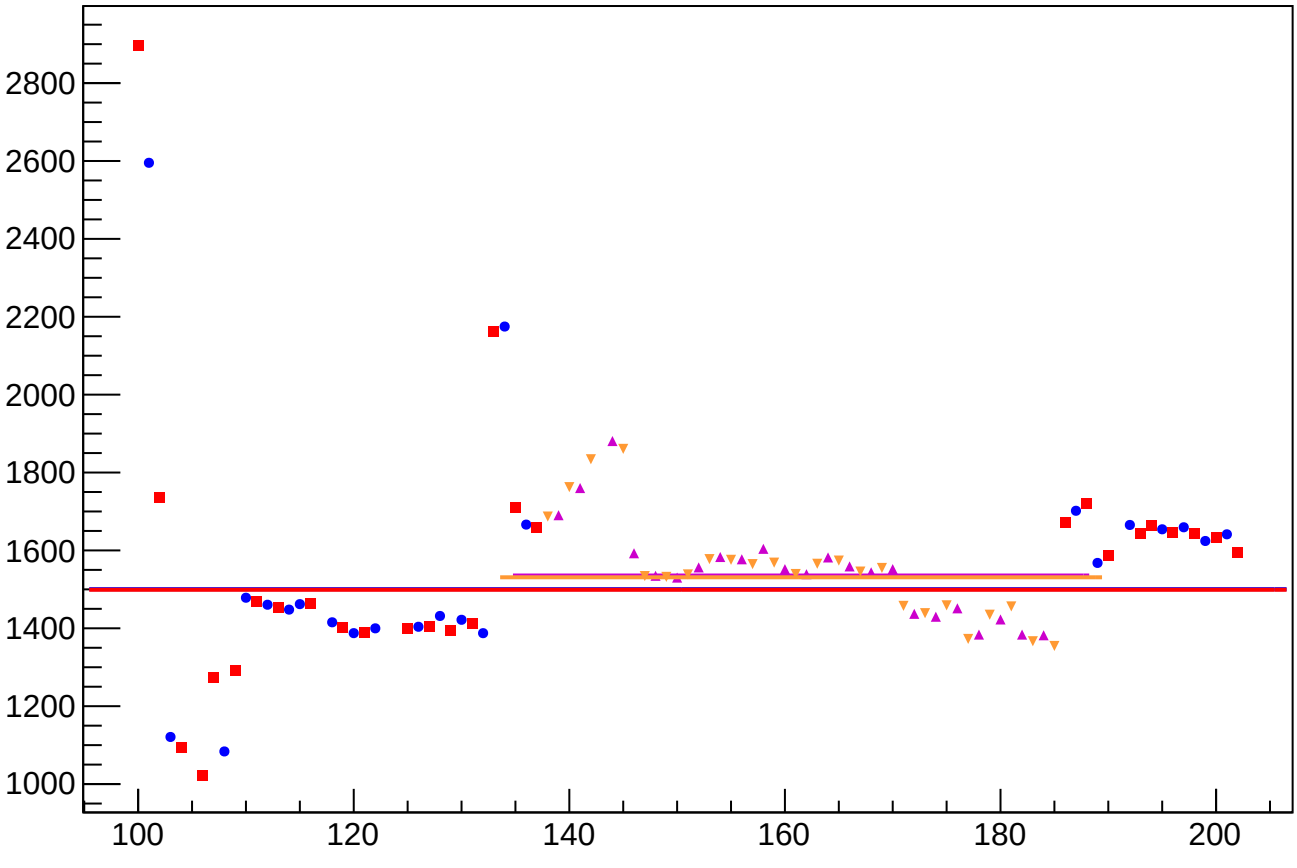
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 97.560+/-296.191 χ^2/NDF: 57.7/49

In: 212.307+/-276.704 χ^2/NDF:41.0/45

Out: -114.875+/-267.759 χ^2/NDF:61.3/50

All: 43.342+/-192.419 χ^2/NDF: 103.0/96



Right In: 1500.509+/-0.306 χ^2/NDF: 681126.2/22

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1498.962+/-0.287 χ^2/NDF: 589117.7/26

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

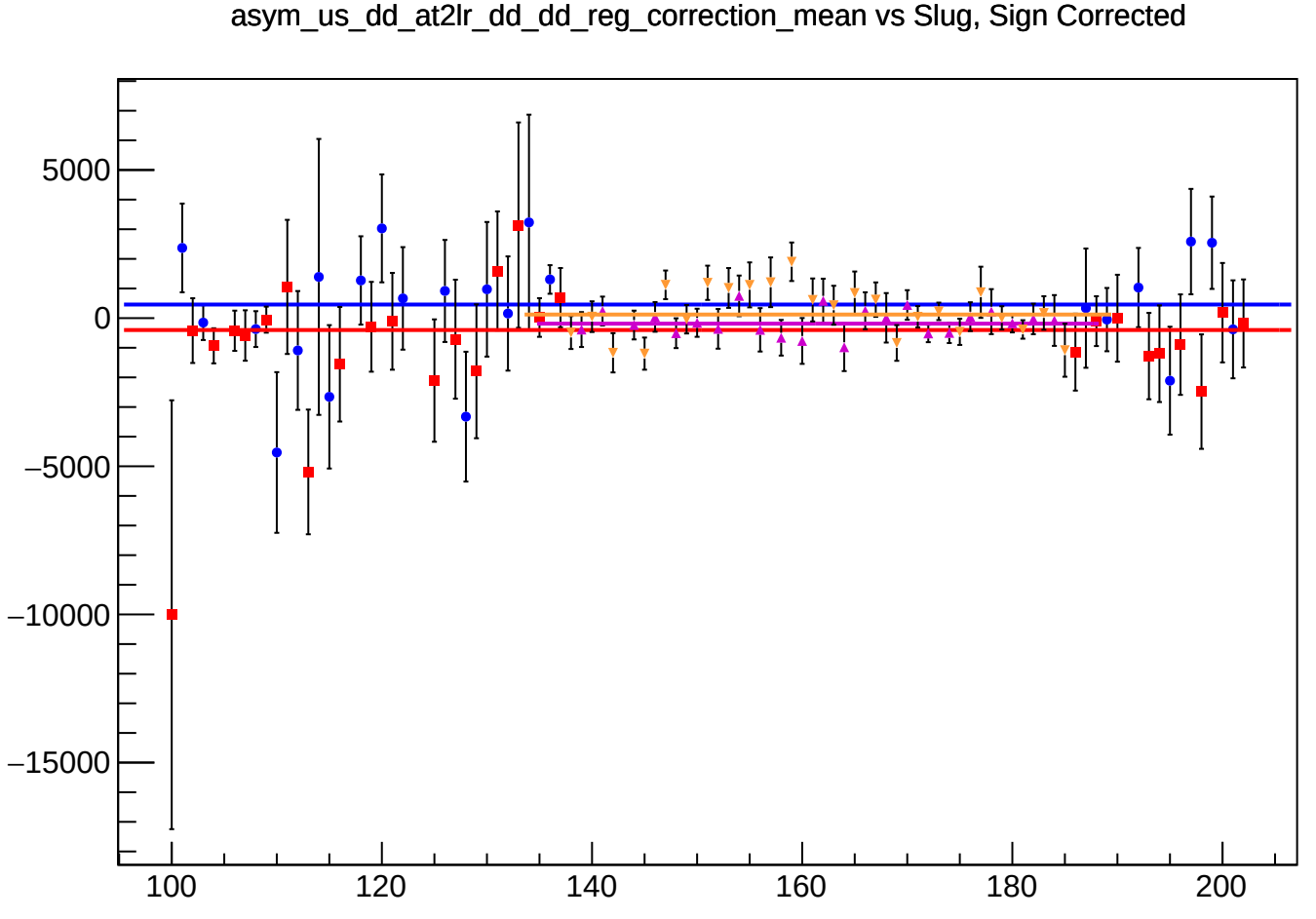
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1499.684+/-0.209 χ^2/NDF: 1270257.5/49

In: 1521.265+/-0.196 χ^2/NDF:881304.3/45

Out: 1517.034+/-0.189 χ^2/NDF:799686.2/50

All: 1519.080+/-0.136 χ^2/NDF: 1681232.1/96



Right In: 458.816+/-248.347 χ^2/NDF: 25.2/22

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -401.473+/-208.306 χ^2/NDF: 16.5/26

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

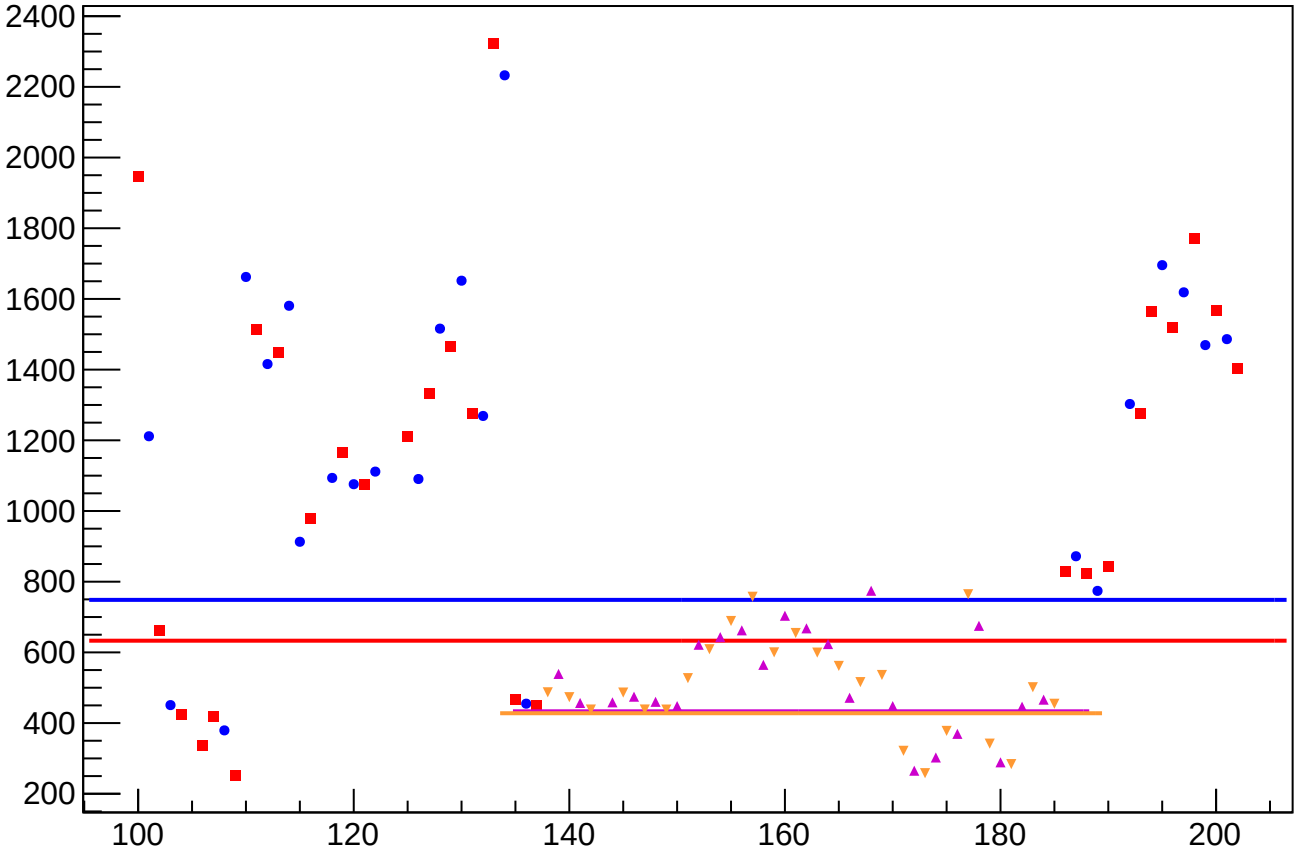
Right: -46.187+/-159.597 χ^2/NDF: 48.8/49

In: -85.780+/-98.248 χ^2/NDF:42.5/45

Out: 15.309+/-93.804 χ^2/NDF:65.1/50

All: -32.898+/-67.846 χ^2/NDF: 108.2/96

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 748.558+/-0.176 χ^2/NDF: 6288171.0/22

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 633.054+/-0.147 χ^2/NDF: 8583441.9/26

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

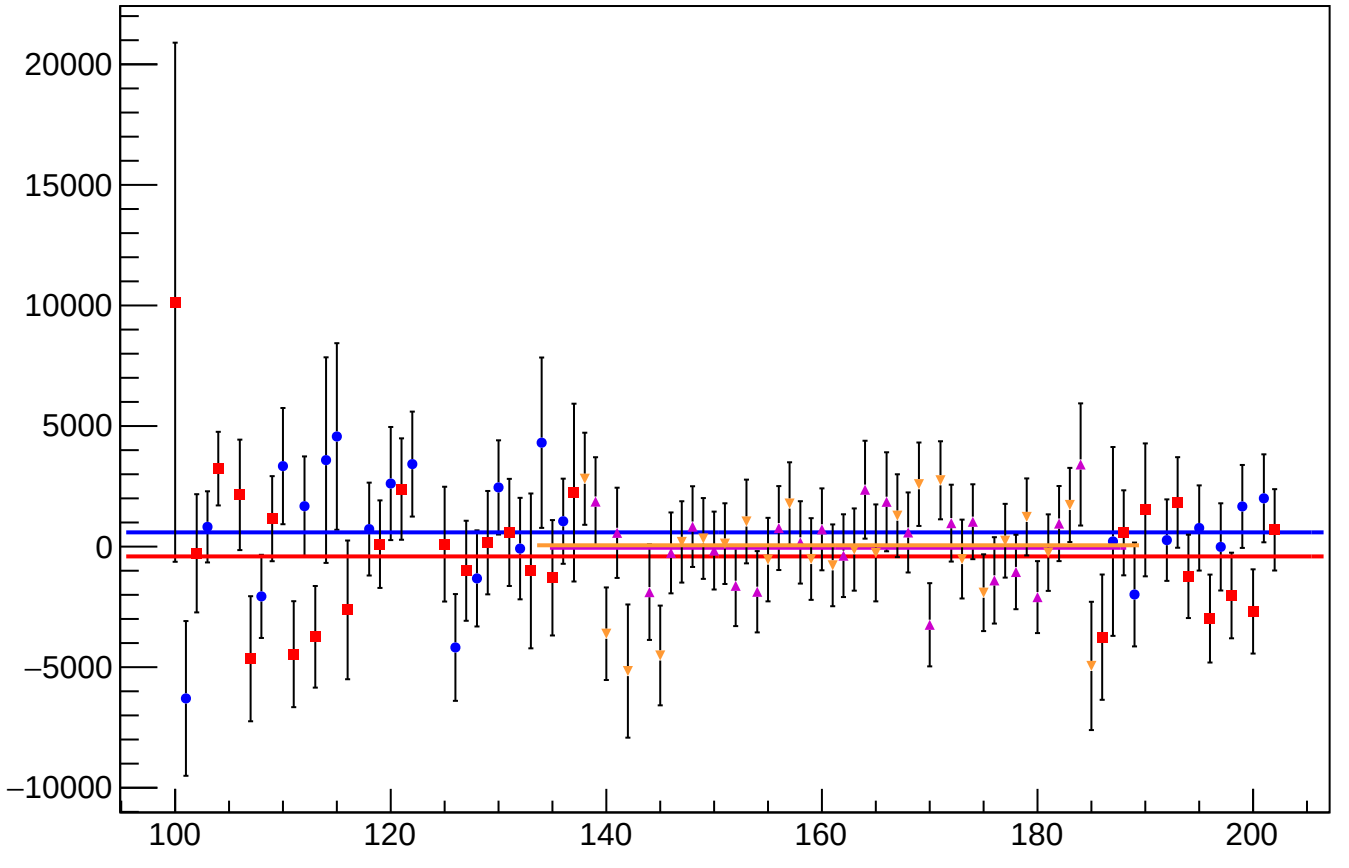
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 680.755+/-0.113 χ^2/NDF: 15125567.5/49

In: 482.626+/-0.069 χ^2/NDF:12254933.3/45

Out: 469.435+/-0.066 χ^2/NDF:13319428.8/50

All: 475.725+/-0.048 χ^2/NDF: 25593222.5/96



Right In: 590.785+/-433.370 χ^2/NDF: 22.9/22

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -406.719+/-406.918 χ^2/NDF: 29.9/26

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

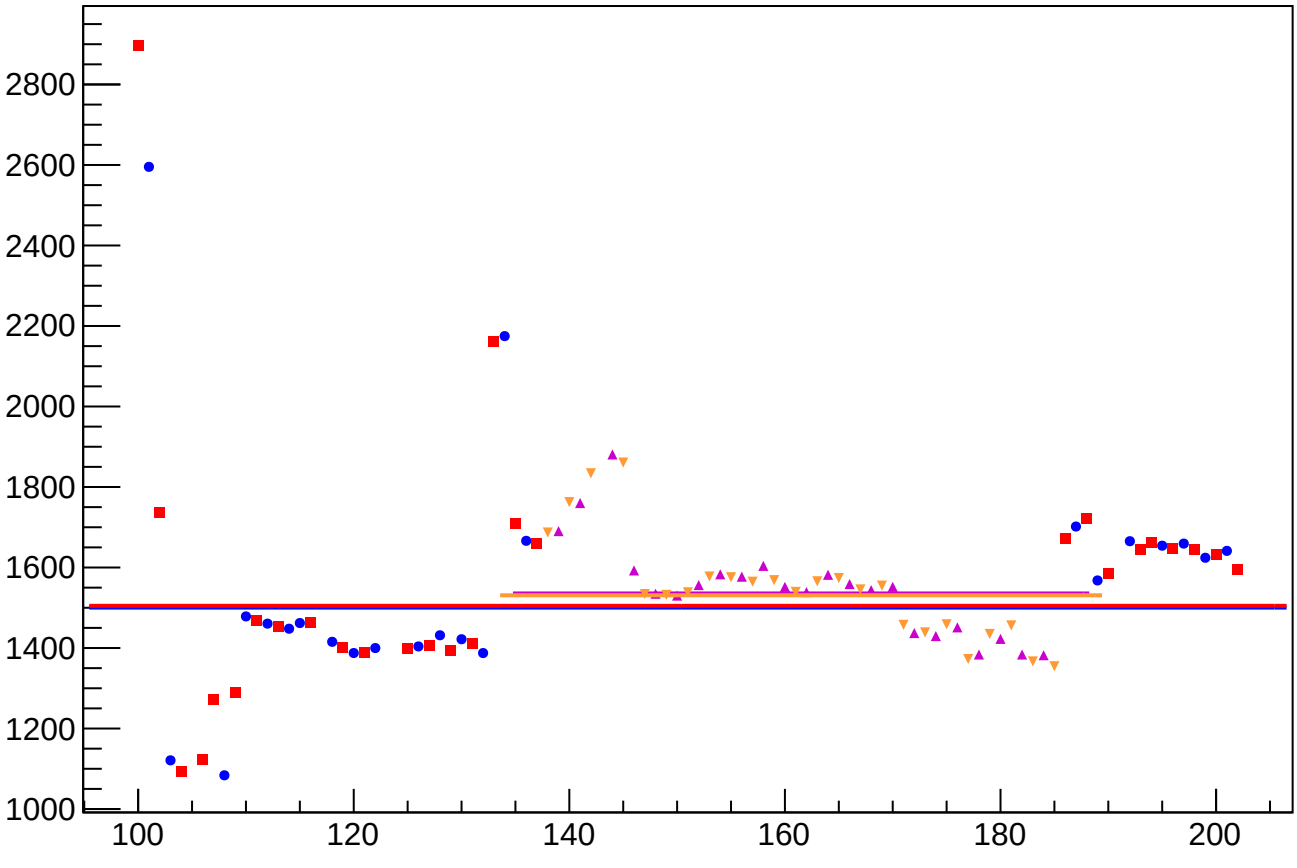
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 60.663+/-296.645 χ^2/NDF: 55.6/49

In: 212.265+/-276.704 χ^2/NDF:41.0/45

Out: -145.570+/-268.094 χ^2/NDF:59.1/50

All: 27.694+/-192.543 χ^2/NDF: 100.9/96



Right In: 1500.509+/-0.306 χ^2/NDF: 681126.6/22

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1504.845+/-0.288 χ^2/NDF: 540597.2/26

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

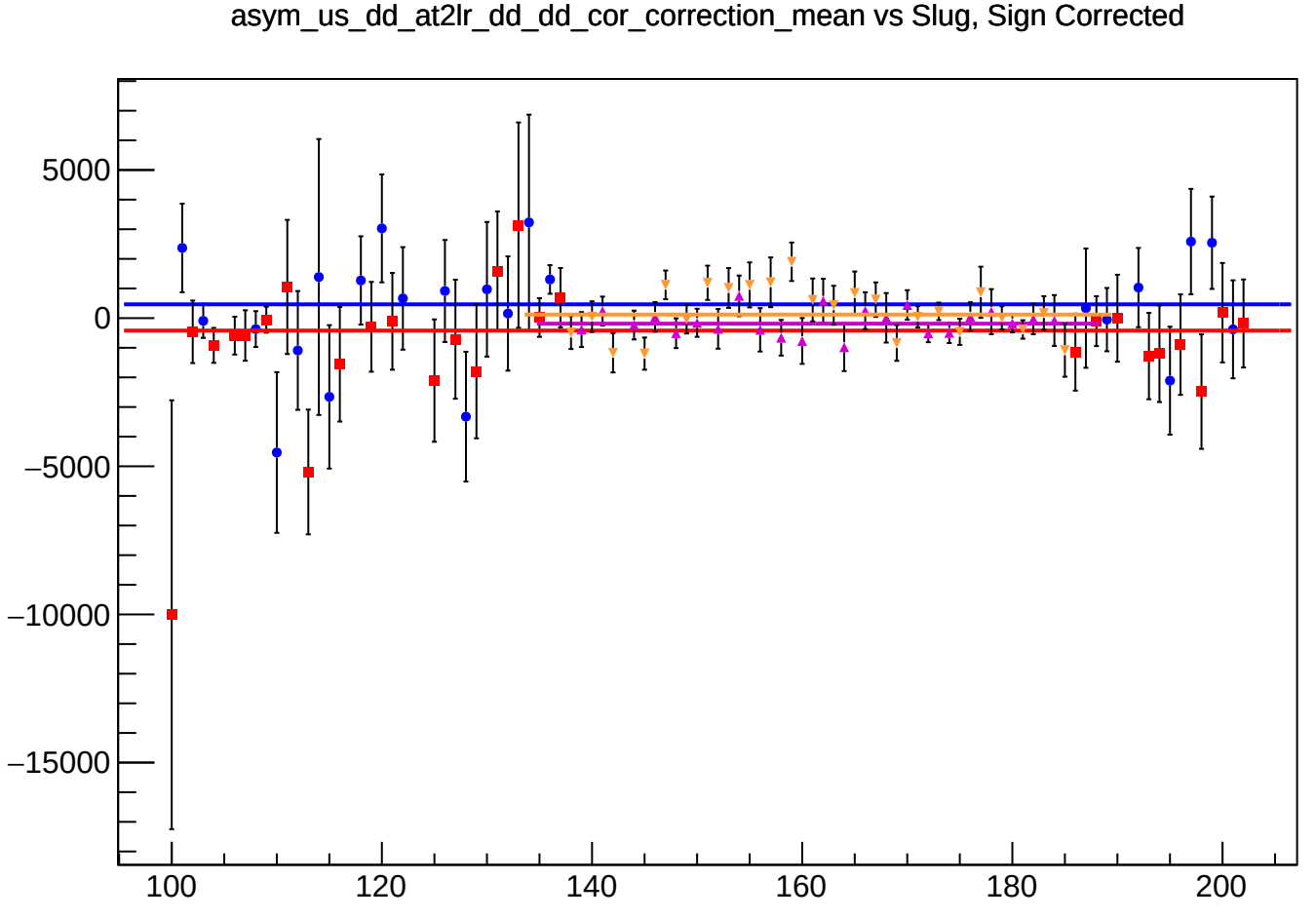
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1502.813+/-0.210 χ^2/NDF: 1221830.1/49

In: 1521.265+/-0.196 χ^2/NDF:881304.7/45

Out: 1519.633+/-0.190 χ^2/NDF:748804.5/50

All: 1520.423+/-0.136 χ^2/NDF: 1630145.1/96



Right In: 465.670+/-247.486 χ^2/NDF: 25.1/22

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -419.725+/-206.608 χ^2/NDF: 16.5/26

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

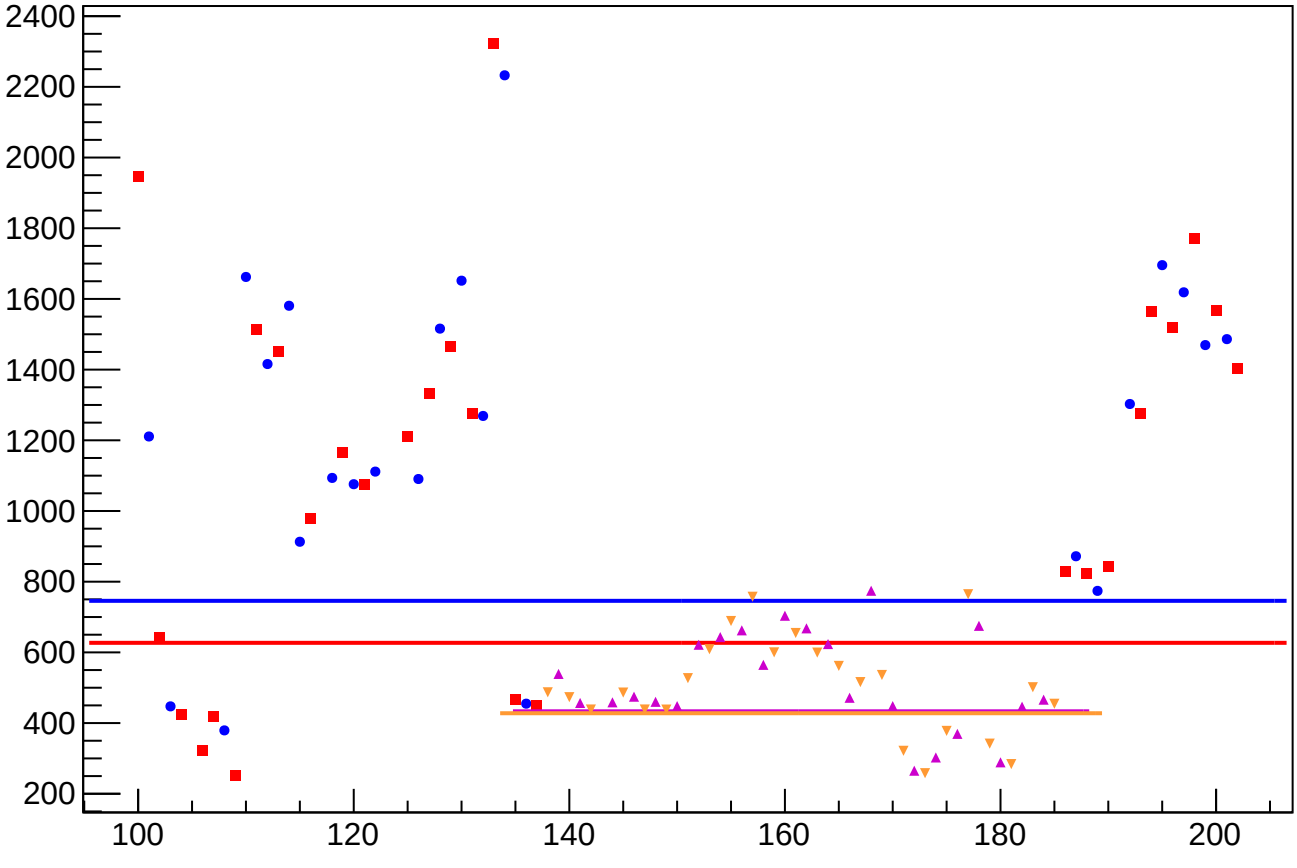
Right: -56.092+/-158.604 χ^2/NDF: 49.1/49

In: -84.284+/-98.195 χ^2/NDF:42.5/45

Out: 10.167+/-93.648 χ^2/NDF:65.6/50

All: -34.821+/-67.770 χ^2/NDF: 108.6/96

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 745.840+/-0.175 χ^2/NDF: 6320459.0/22

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 627.028+/-0.146 χ^2/NDF: 8672573.6/26

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

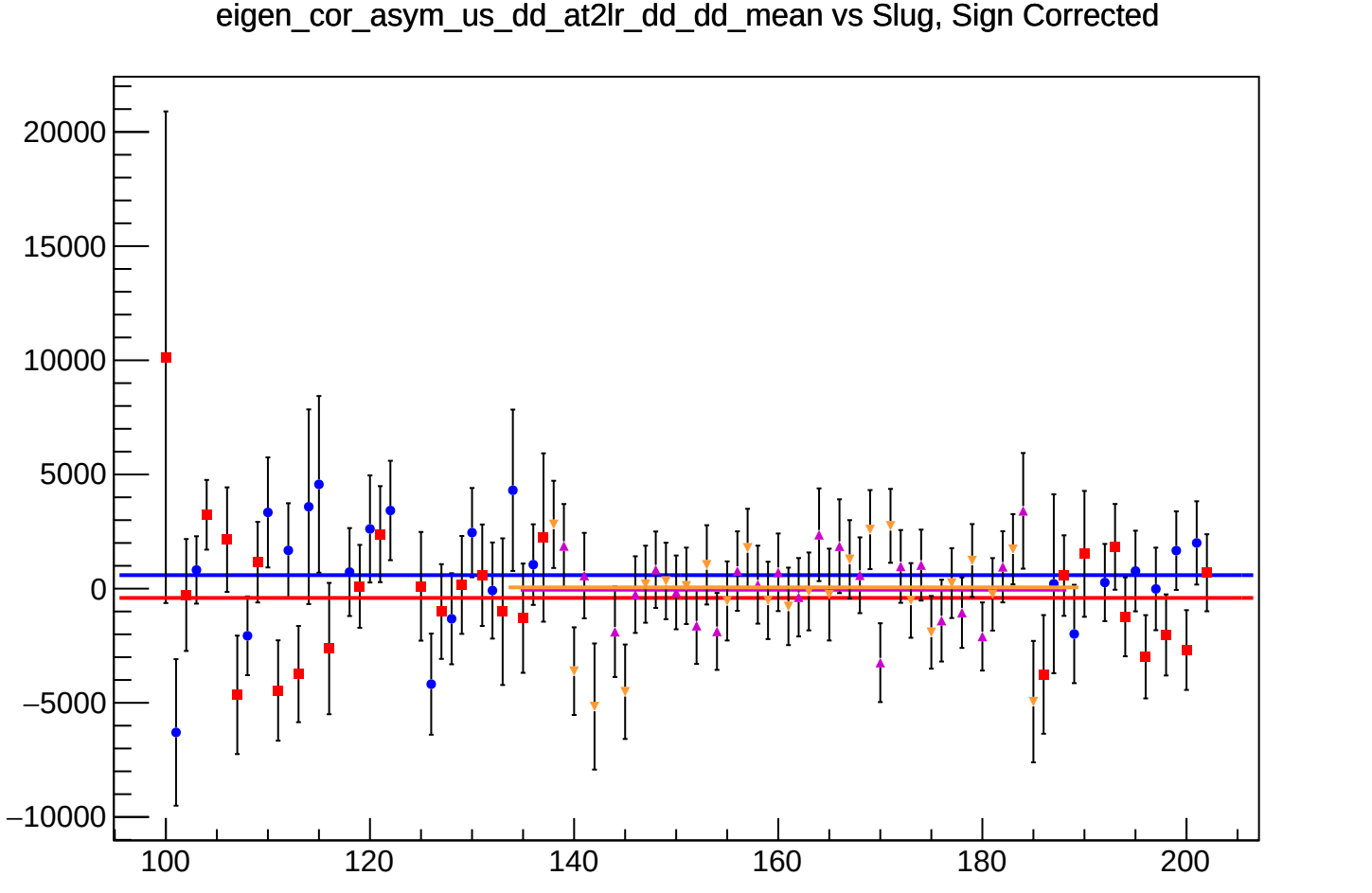
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

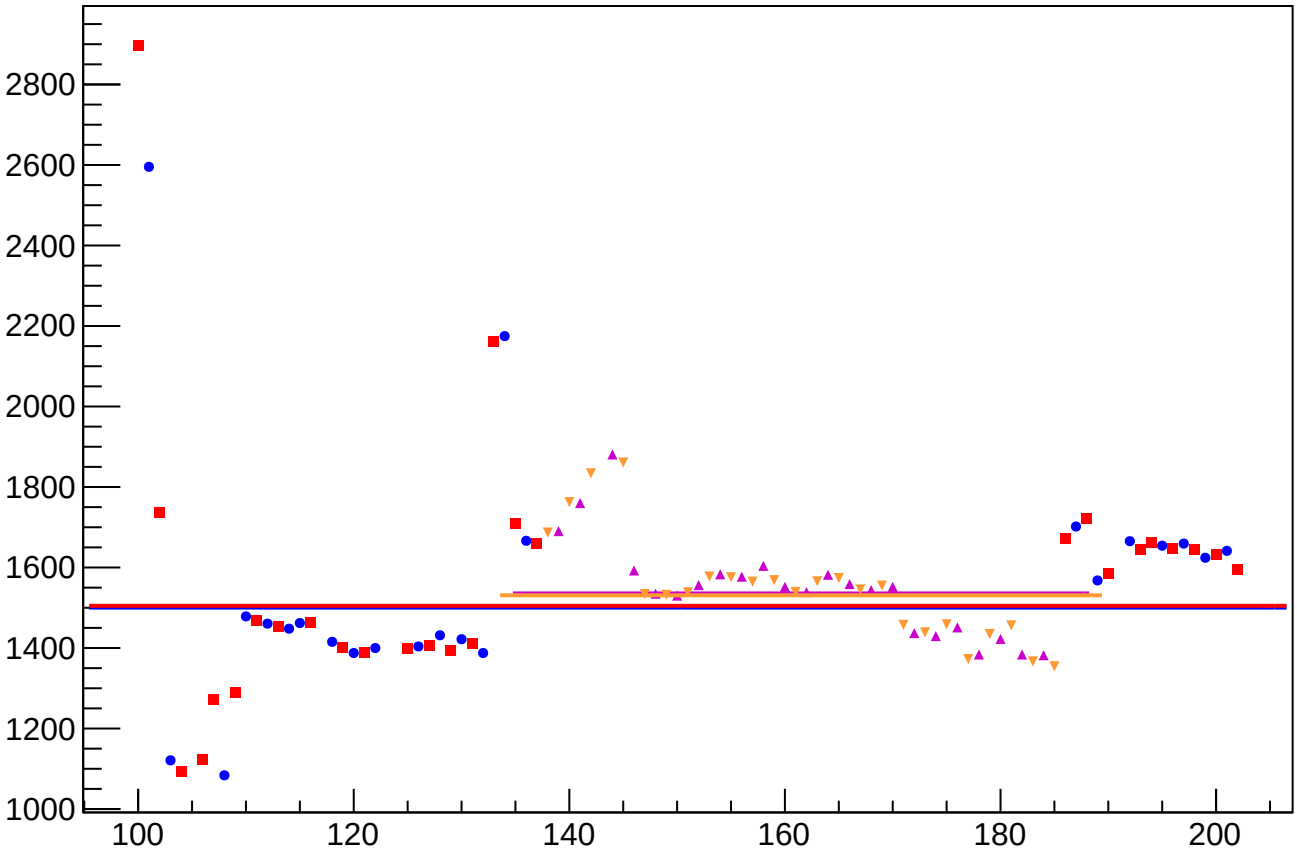
Right: 675.824+/-0.112 χ^2/NDF: 15264664.1/49

In: 482.489+/-0.069 χ^2/NDF:12256085.2/45

Out: 468.743+/-0.066 χ^2/NDF:13338375.1/50

All: 475.290+/-0.048 χ^2/NDF: 25614986.5/96


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
Right In: 590.785+/-433.370 χ²/NDF: 22.9/22
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -406.719+/-406.918 χ²/NDF: 29.9/26
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 60.663+/-296.645 χ²/NDF: 55.6/49
In: 212.265+/-276.704 χ²/NDF:41.0/45
Out: -145.570+/-268.094 χ²/NDF:59.1/50
All: 27.694+/-192.543 χ²/NDF: 100.9/96



Right In: 1500.509+/-0.306 χ^2/NDF: 681126.6/22

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1504.845+/-0.288 χ^2/NDF: 540597.2/26

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

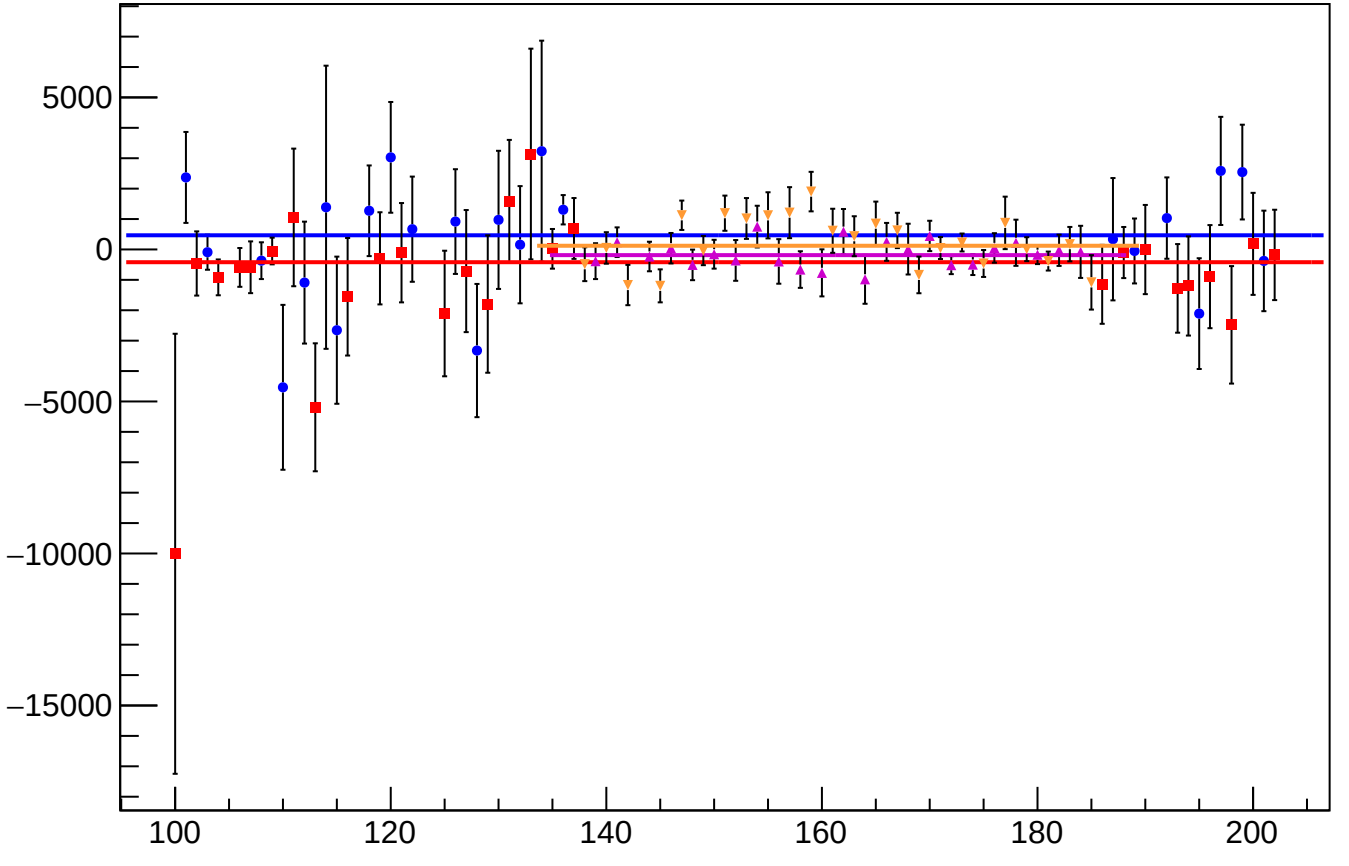
Right: 1502.813+/-0.210 χ^2/NDF: 1221830.1/49

In: 1521.265+/-0.196 χ^2/NDF:881304.7/45

Out: 1519.633+/-0.190 χ^2/NDF:748804.5/50

All: 1520.423+/-0.136 χ^2/NDF: 1630145.1/96

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 465.670+/-247.486 χ^2/NDF: 25.1/22

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -419.725+/-206.608 χ^2/NDF: 16.5/26

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

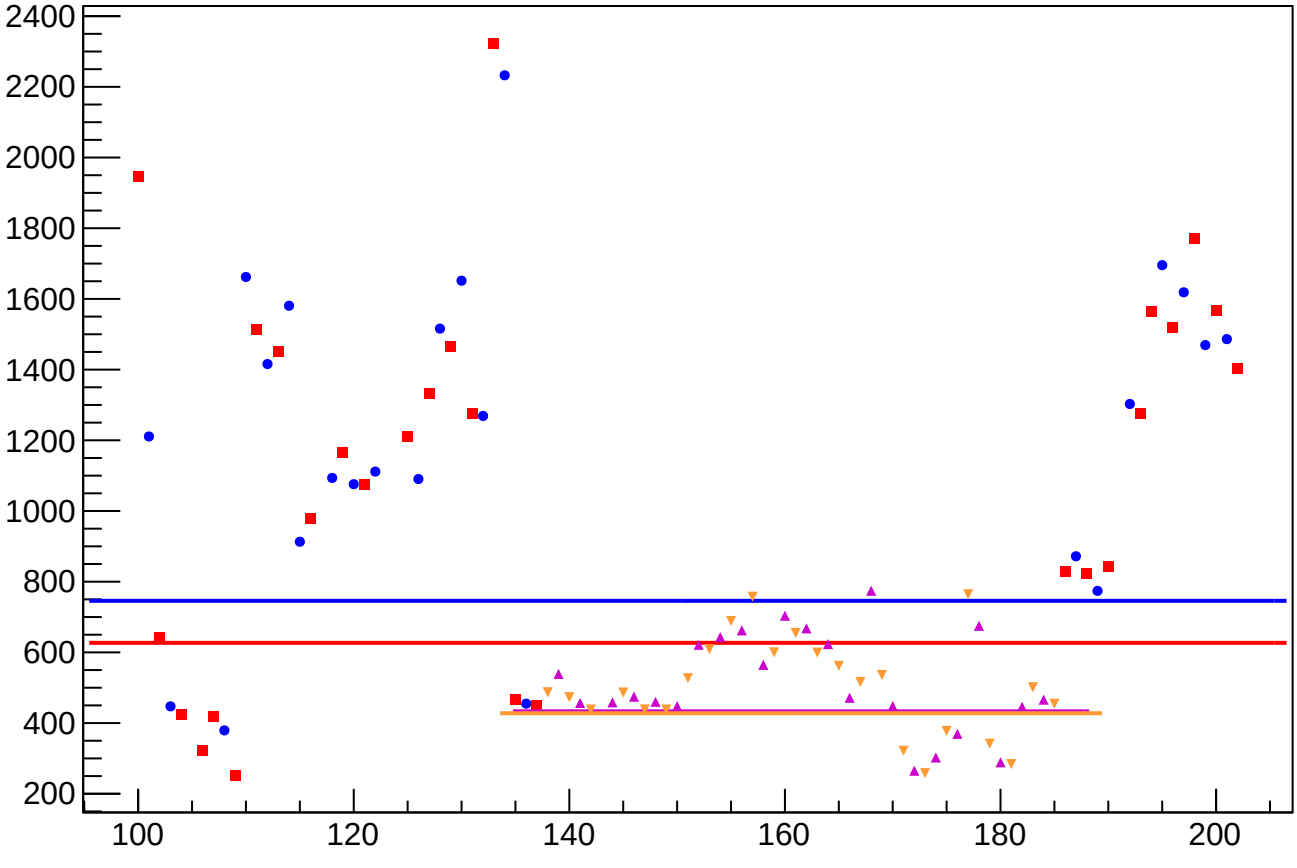
Right: -56.092+/-158.604 χ^2/NDF: 49.1/49

In: -84.284+/-98.195 χ^2/NDF:42.5/45

Out: 10.167+/-93.648 χ^2/NDF:65.6/50

All: -34.821+/-67.770 χ^2/NDF: 108.6/96

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 745.840+/-0.175 χ^2/NDF: 6320459.0/22

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 627.028+/-0.146 χ^2/NDF: 8672573.6/26

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

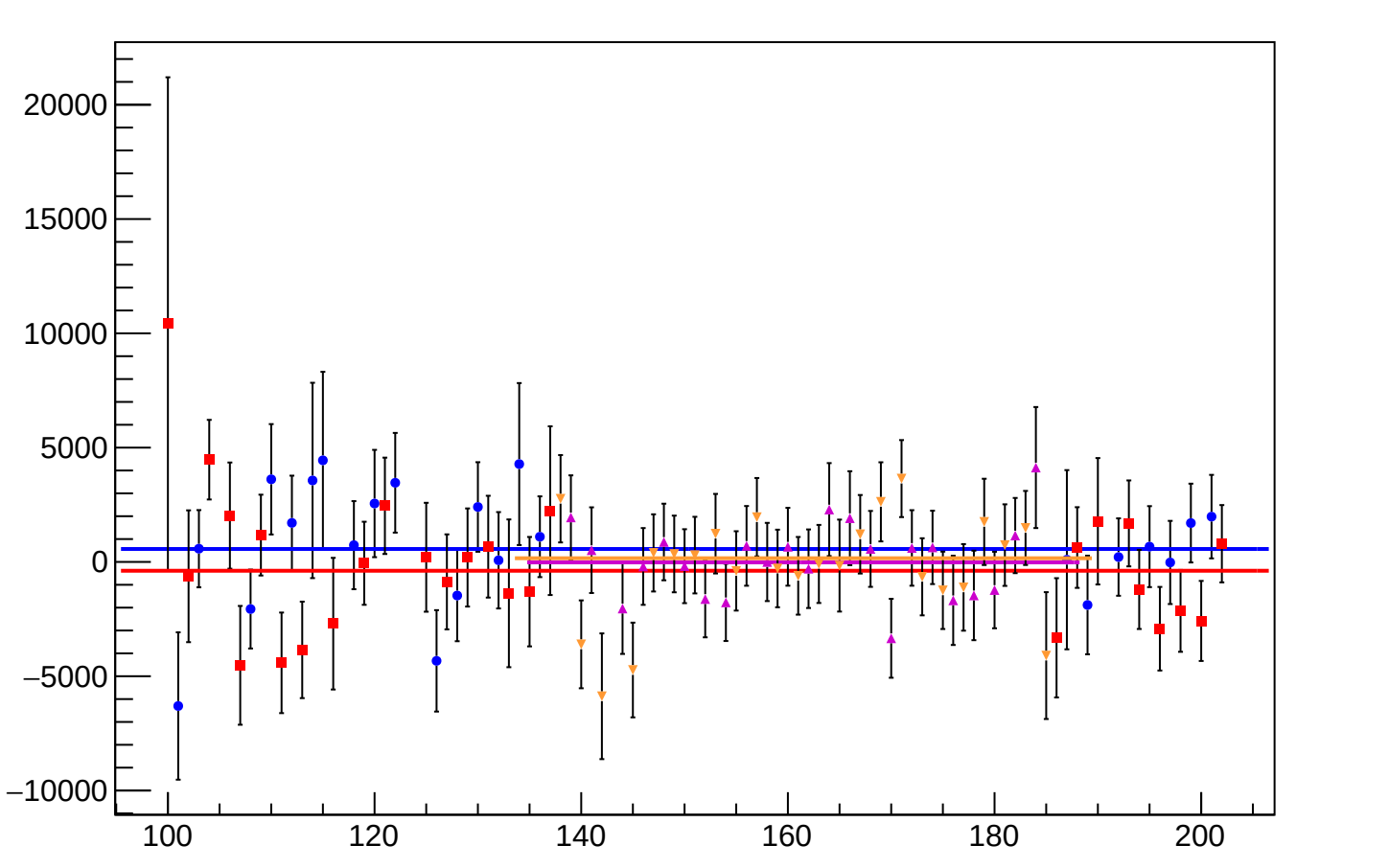
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

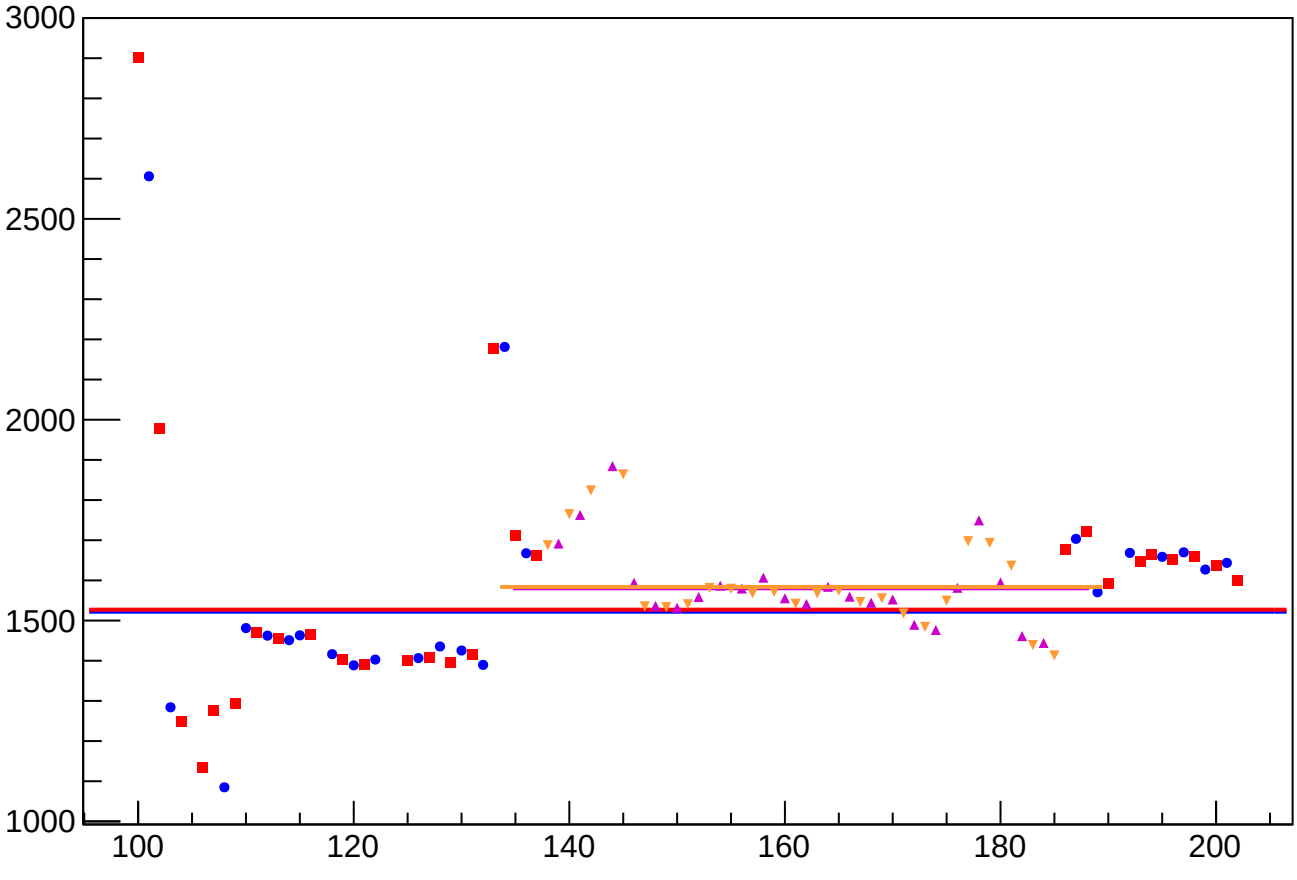
Right: 675.824+/-0.112 χ^2/NDF: 15264664.1/49

In: 482.489+/-0.069 χ^2/NDF:12256085.2/45

Out: 468.743+/-0.066 χ^2/NDF:13338375.1/50

All: 475.290+/-0.048 χ^2/NDF: 25614986.5/96


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 566.290+/-438.676 χ²/NDF: 23.3/22
Left Out: 161.591+/-368.366 χ²/NDF:29.9/23
Right Out: -385.994+/-412.920 χ²/NDF: 31.5/26
Left In: -20.252+/-369.781 χ²/NDF:16.0/22
Left: 71.018+/-260.973 χ²/NDF: 46.0/46
Right: 61.373+/-300.672 χ²/NDF: 57.2/49
In: 223.396+/-282.732 χ²/NDF:40.3/45
Out: -81.076+/-274.881 χ²/NDF:62.4/50
All: 66.874+/-197.087 χ²/NDF: 103.3/96



Right In: 1522.049+/-0.310 χ^2/NDF: 582331.8/22

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1527.122+/-0.292 χ^2/NDF: 470976.3/26

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

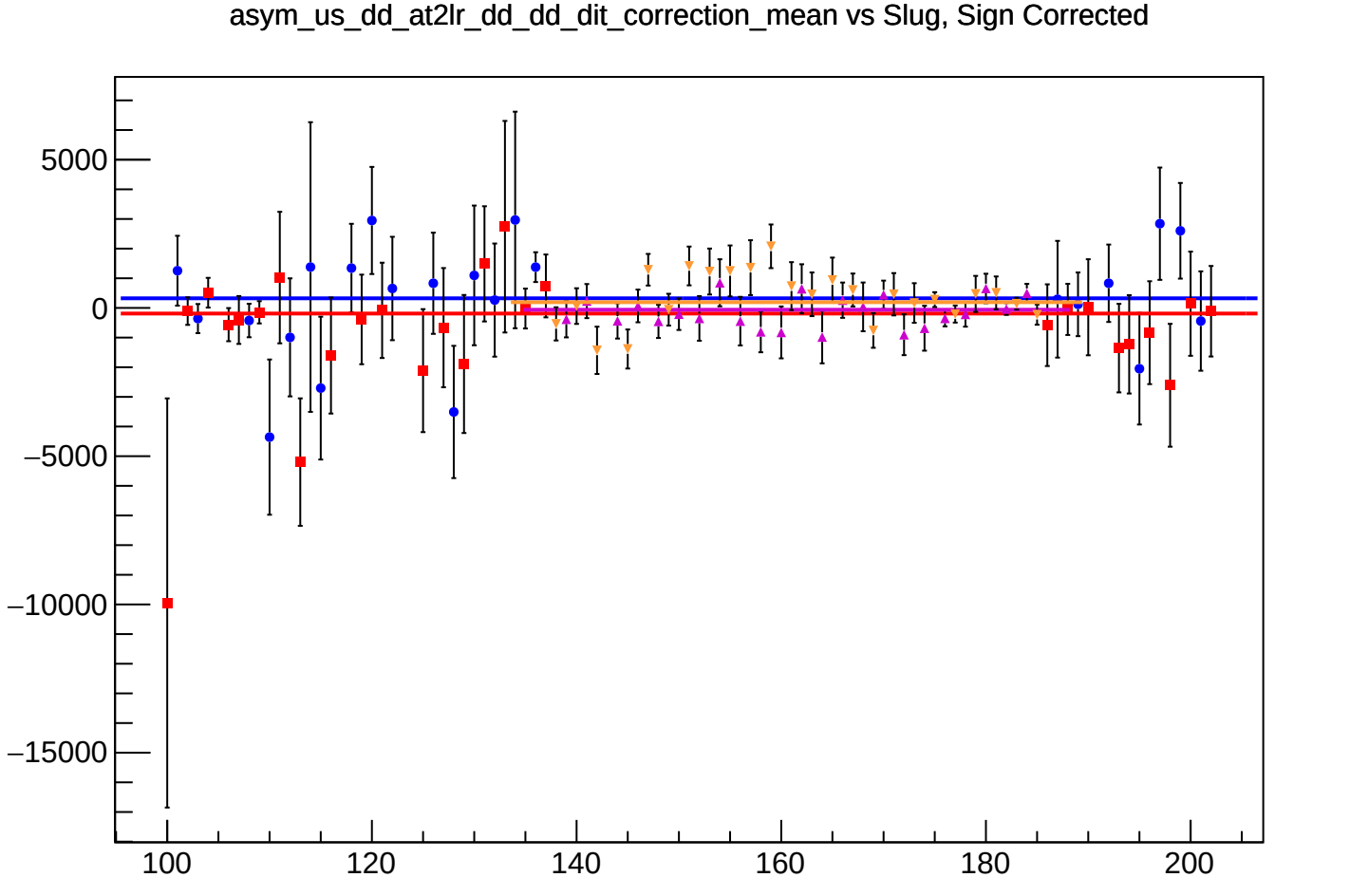
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1524.738+/-0.213 χ^2/NDF: 1053450.0/49

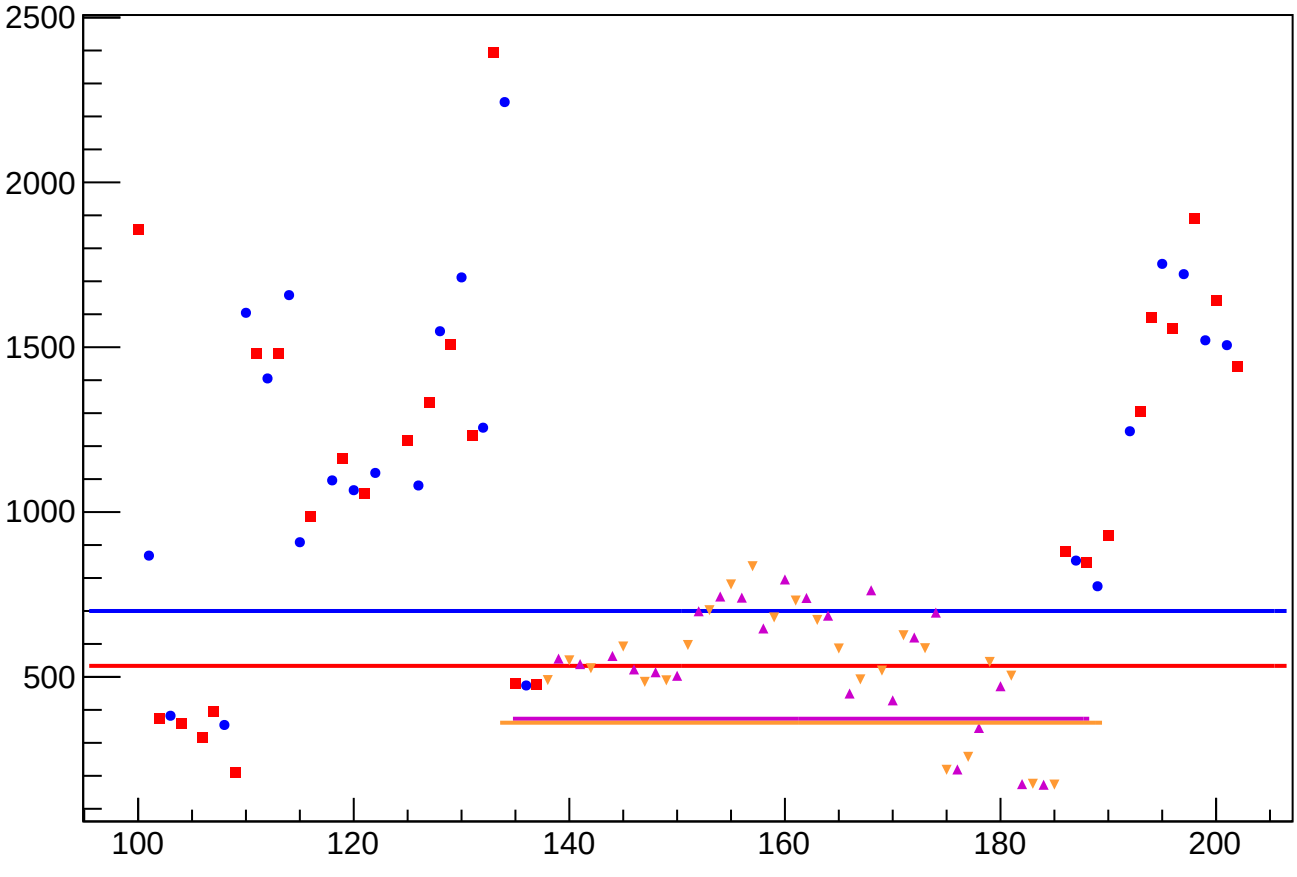
In: 1556.199+/-0.200 χ^2/NDF:728810.4/45

Out: 1558.612+/-0.194 χ^2/NDF:625448.4/50

All: 1557.439+/-0.139 χ^2/NDF: 1354333.8/96


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 324.203+/-237.385 χ²/NDF: 26.0/22
Left Out: 193.307+/-95.894 χ²/NDF:40.1/23
Right Out: -189.279+/-181.278 χ²/NDF: 17.2/26
Left In: -62.183+/-99.717 χ²/NDF:17.0/22
Left: 70.554+/-69.119 χ²/NDF: 60.5/46
Right: -0.139+/-144.073 χ²/NDF: 46.1/49
In: -4.230+/-91.935 χ²/NDF:45.3/45
Out: 109.657+/-84.764 χ²/NDF:60.7/50
All: 57.328+/-62.319 χ²/NDF: 106.8/96

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.972+/-0.168 χ^2/NDF: 6796506.6/22

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 533.498+/-0.128 χ^2/NDF: 10409314.9/26

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

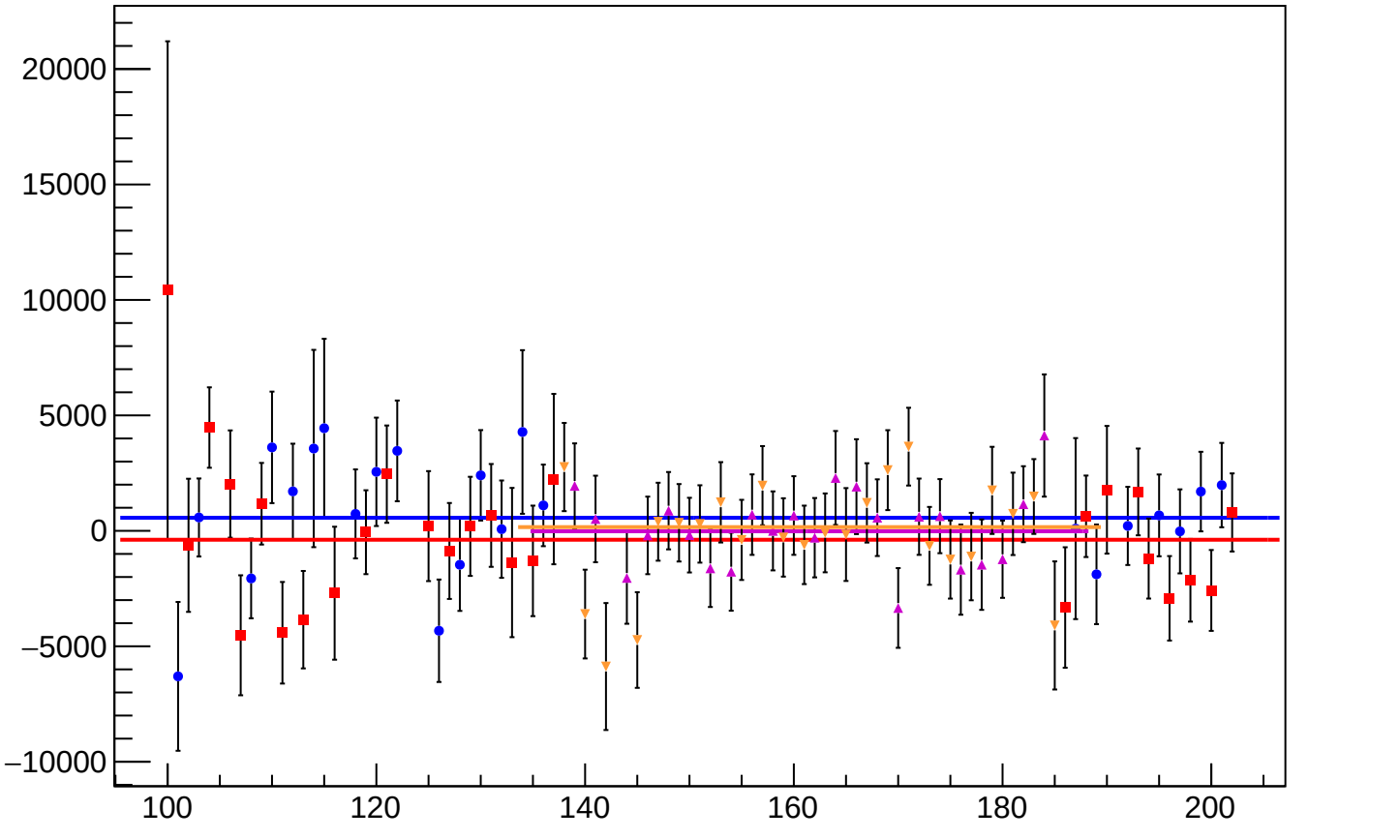
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

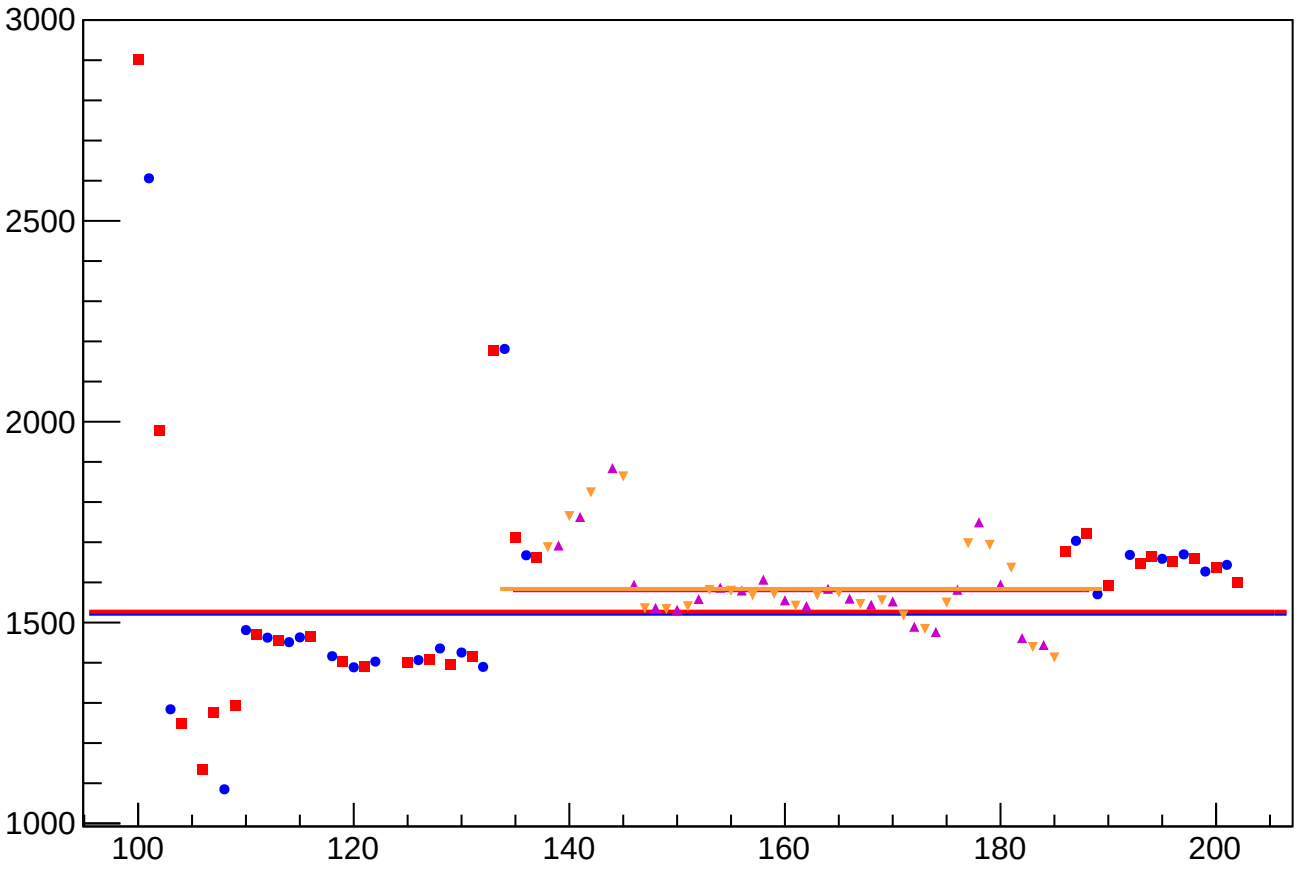
Right: 594.818+/-0.102 χ^2/NDF: 17827109.9/49

In: 422.161+/-0.065 χ^2/NDF:18226384.8/45

Out: 398.794+/-0.060 χ^2/NDF:20005806.1/50

All: 409.531+/-0.044 χ^2/NDF: 38302029.4/96


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 566.292+/-438.676 χ²/NDF: 23.3/22
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: -385.994+/-412.920 χ²/NDF: 31.5/26
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: 61.374+/-300.672 χ²/NDF: 57.2/49
In: 223.397+/-282.732 χ²/NDF:40.3/45
Out: -81.078+/-274.881 χ²/NDF:62.4/50
All: 66.874+/-197.087 χ²/NDF: 103.3/96



Right In: 1522.049+/-0.310 χ^2/NDF: 582331.3/22

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1527.122+/-0.292 χ^2/NDF: 470976.4/26

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

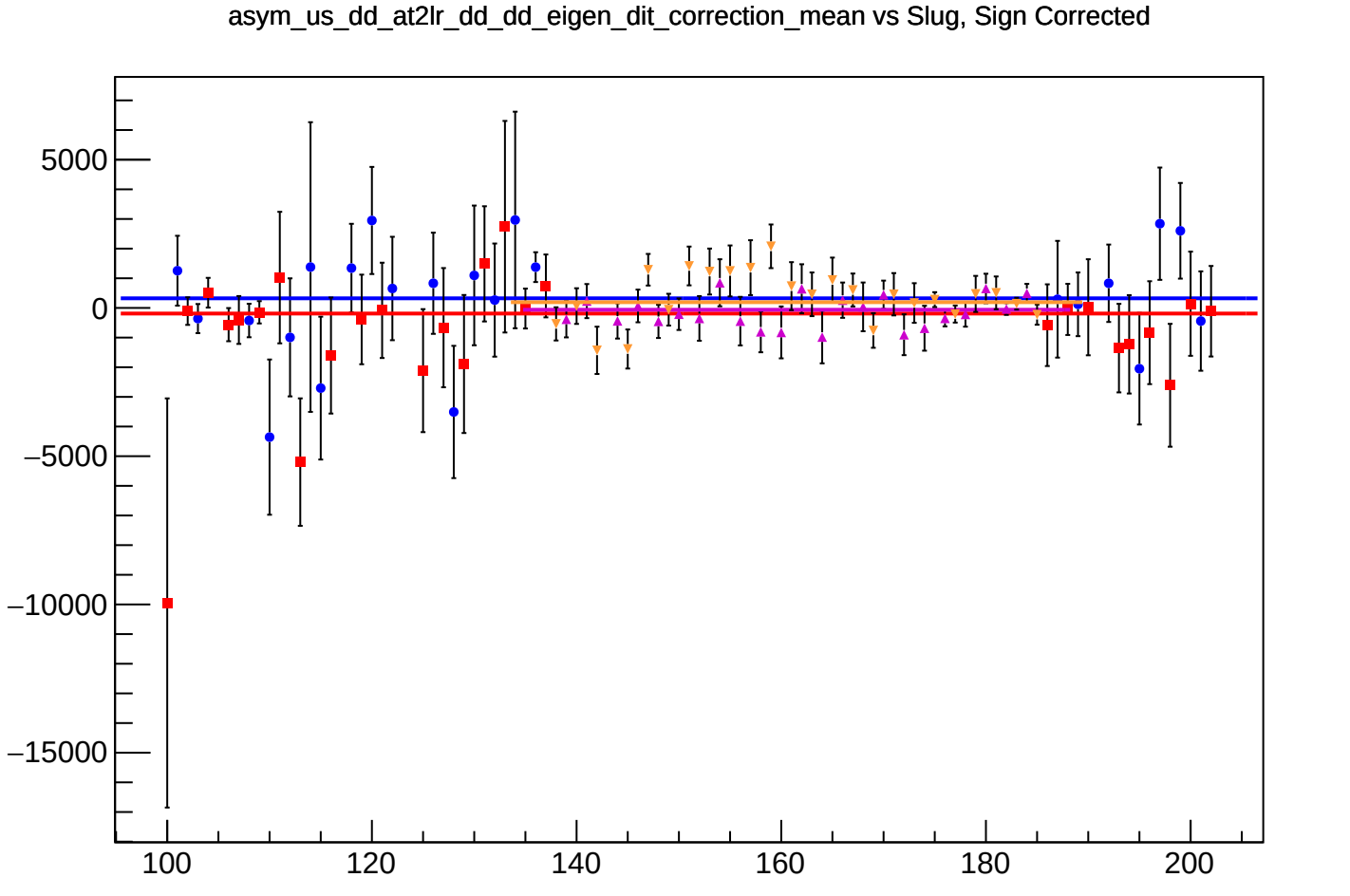
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1524.738+/-0.213 χ^2/NDF: 1053449.5/49

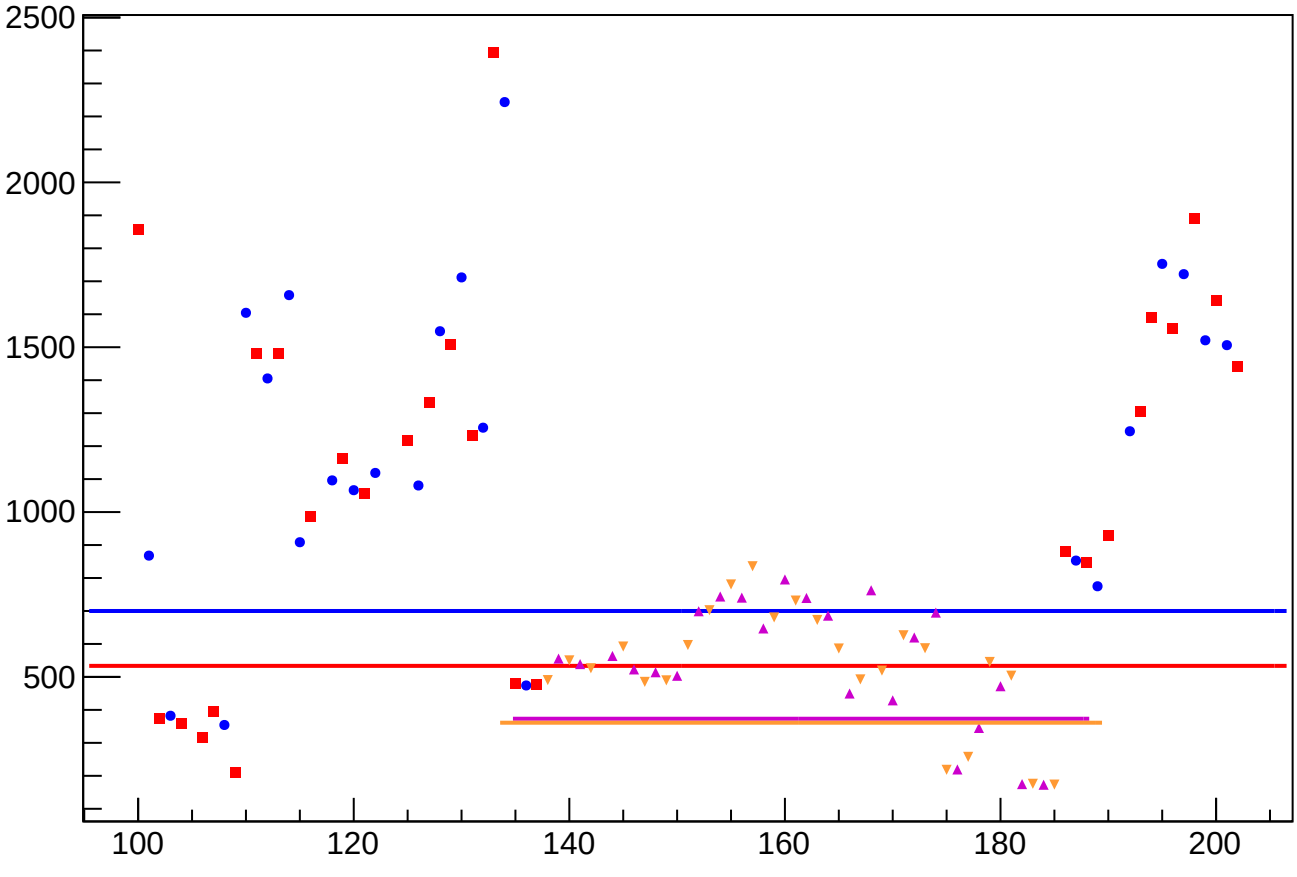
In: 1556.198+/-0.200 χ^2/NDF:728809.7/45

Out: 1558.612+/-0.194 χ^2/NDF:625448.6/50

All: 1557.439+/-0.139 χ^2/NDF: 1354333.2/96


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 324.196+/-237.385 χ²/NDF: 26.0/22
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: -189.276+/-181.279 χ²/NDF: 17.2/26
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: -0.137+/-144.074 χ²/NDF: 46.1/49
In: -4.228+/-91.936 χ²/NDF:45.3/45
Out: 109.661+/-84.765 χ²/NDF:60.7/50
All: 57.331+/-62.319 χ²/NDF: 106.8/96

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.970+/-0.168 χ^2/NDF: 6796556.1/22

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 533.504+/-0.128 χ^2/NDF: 10409187.3/26

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

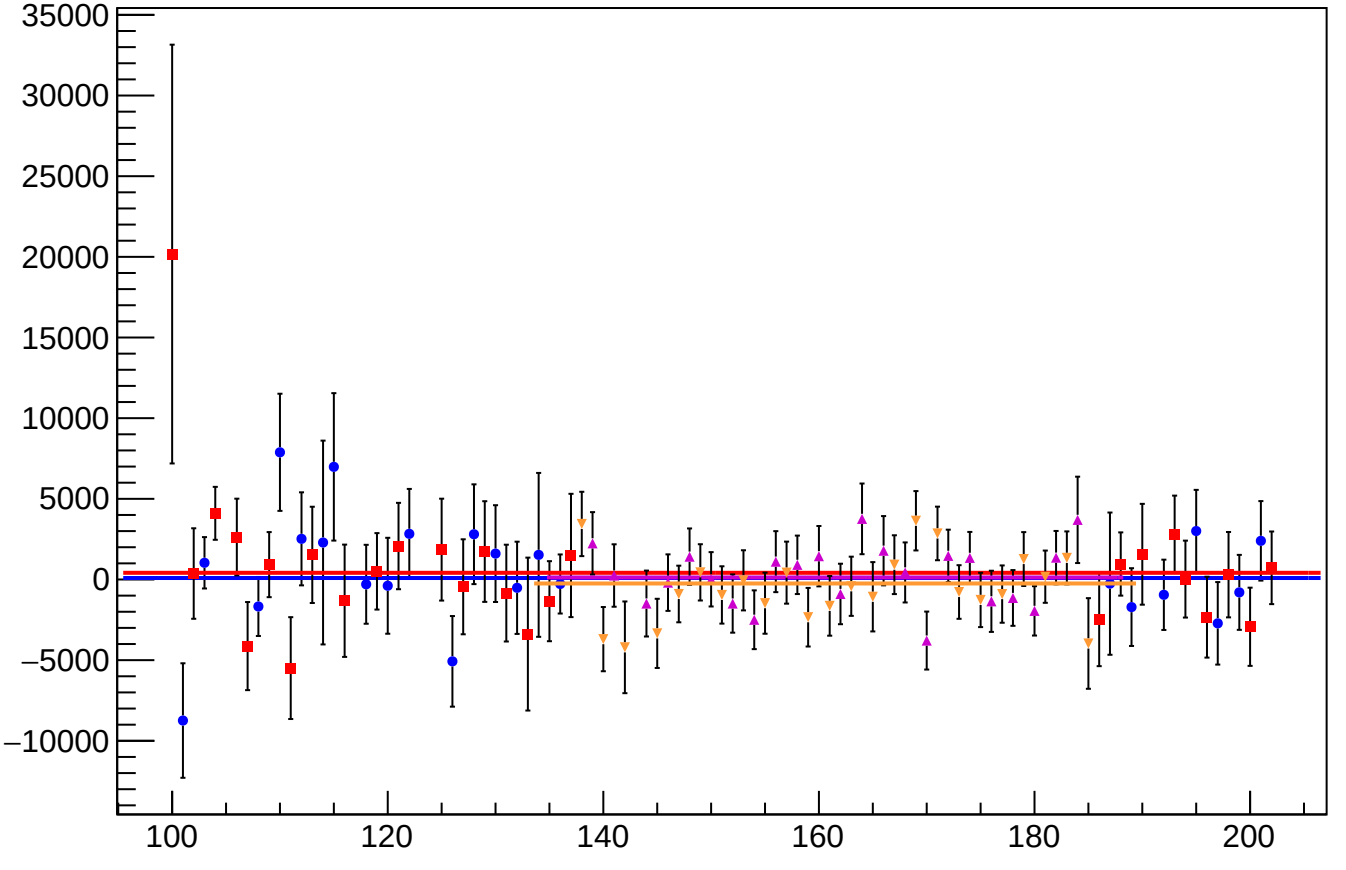
Right: 594.823+/-0.102 χ^2/NDF: 17826968.0/49

In: 422.165+/-0.065 χ^2/NDF:18226061.3/45

Out: 398.798+/-0.060 χ^2/NDF:20005548.7/50

All: 409.535+/-0.044 χ^2/NDF: 38301449.7/96

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 91.370+/-546.880 χ^2/NDF: 25.1/22

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 414.651+/-507.596 χ^2/NDF: 22.6/26

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

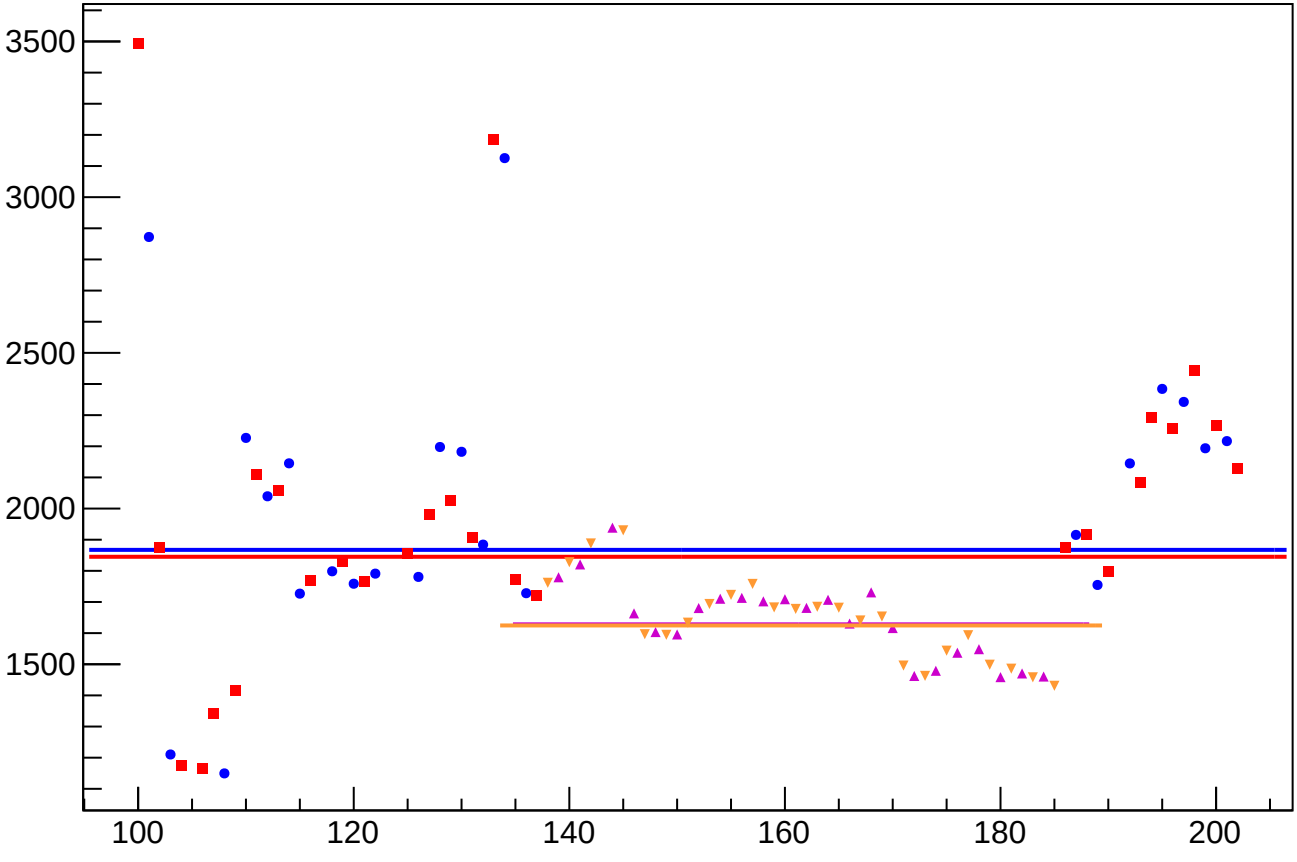
Right: 265.038+/-372.038 χ^2/NDF: 47.9/49

In: 114.748+/-312.783 χ^2/NDF:46.3/45

Out: -10.859+/-303.287 χ^2/NDF:49.7/50

All: 50.009+/-217.736 χ^2/NDF: 96.1/96

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1867.358+/-0.387 χ^2/NDF: 1296127.9/22

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1845.180+/-0.359 χ^2/NDF: 1232400.6/26

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

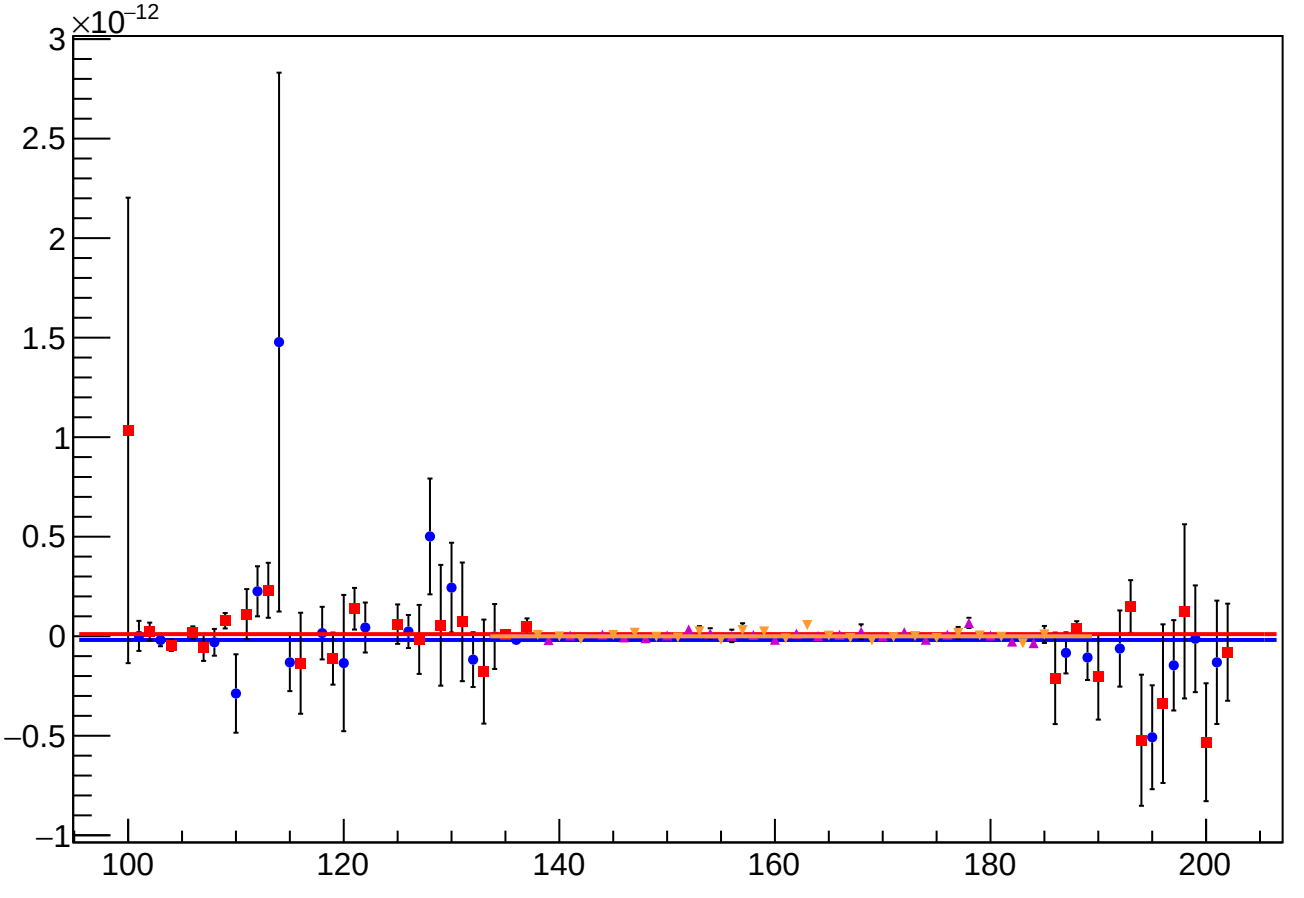
Right: 1855.444+/-0.263 χ^2/NDF: 2530295.6/49

In: 1706.447+/-0.221 χ^2/NDF:1758332.7/45

Out: 1703.357+/-0.214 χ^2/NDF:1682474.9/50

All: 1704.854+/-0.154 χ^2/NDF: 3440908.2/96

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/26

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

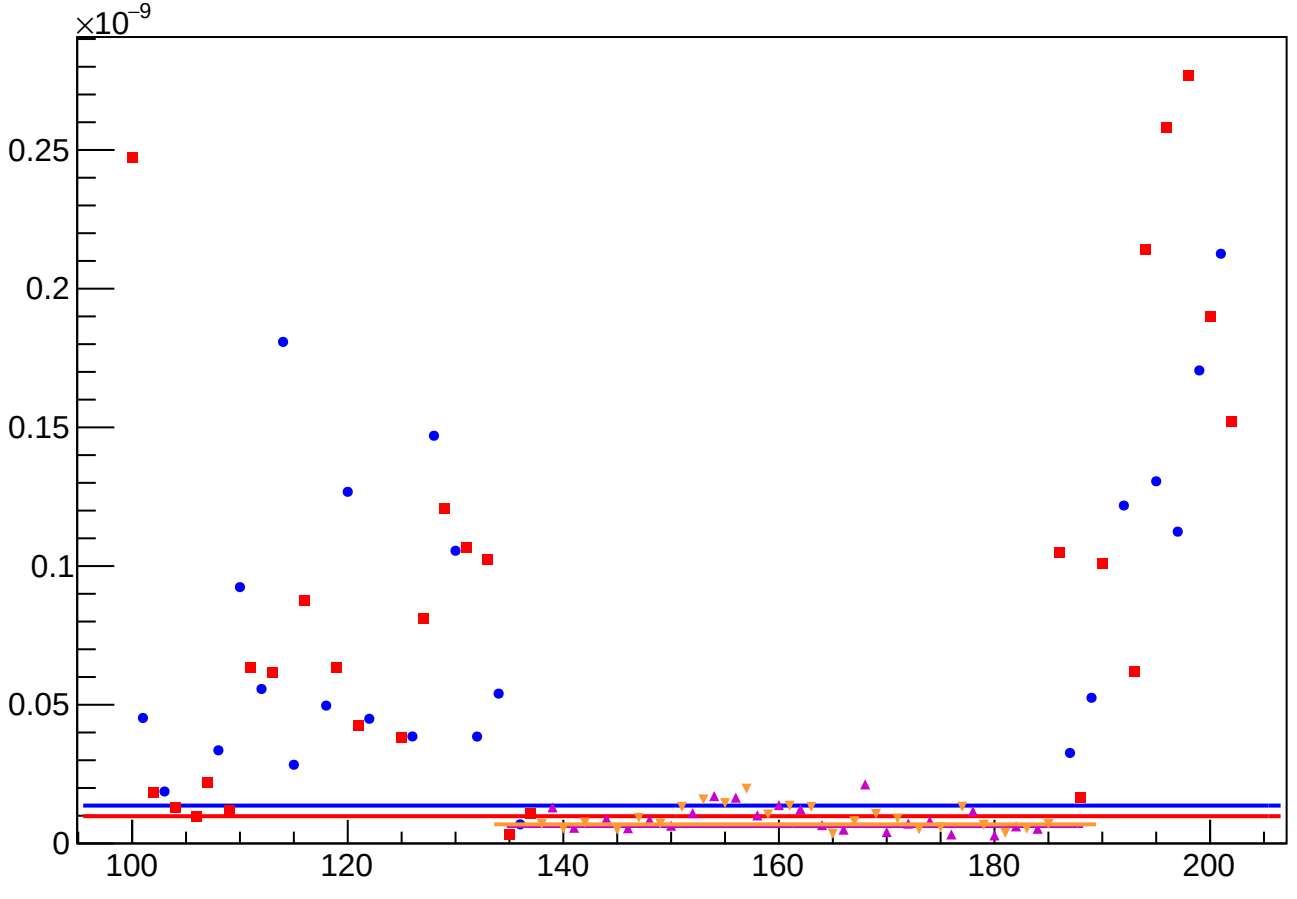
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 50.3/49

In: 0.000+/-0.000 χ^2/NDF:46.4/45

Out: 0.000+/-0.000 χ^2/NDF:51.1/50

All: 0.000+/-0.000 χ^2/NDF: 97.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 6707807.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8362024.9/26

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

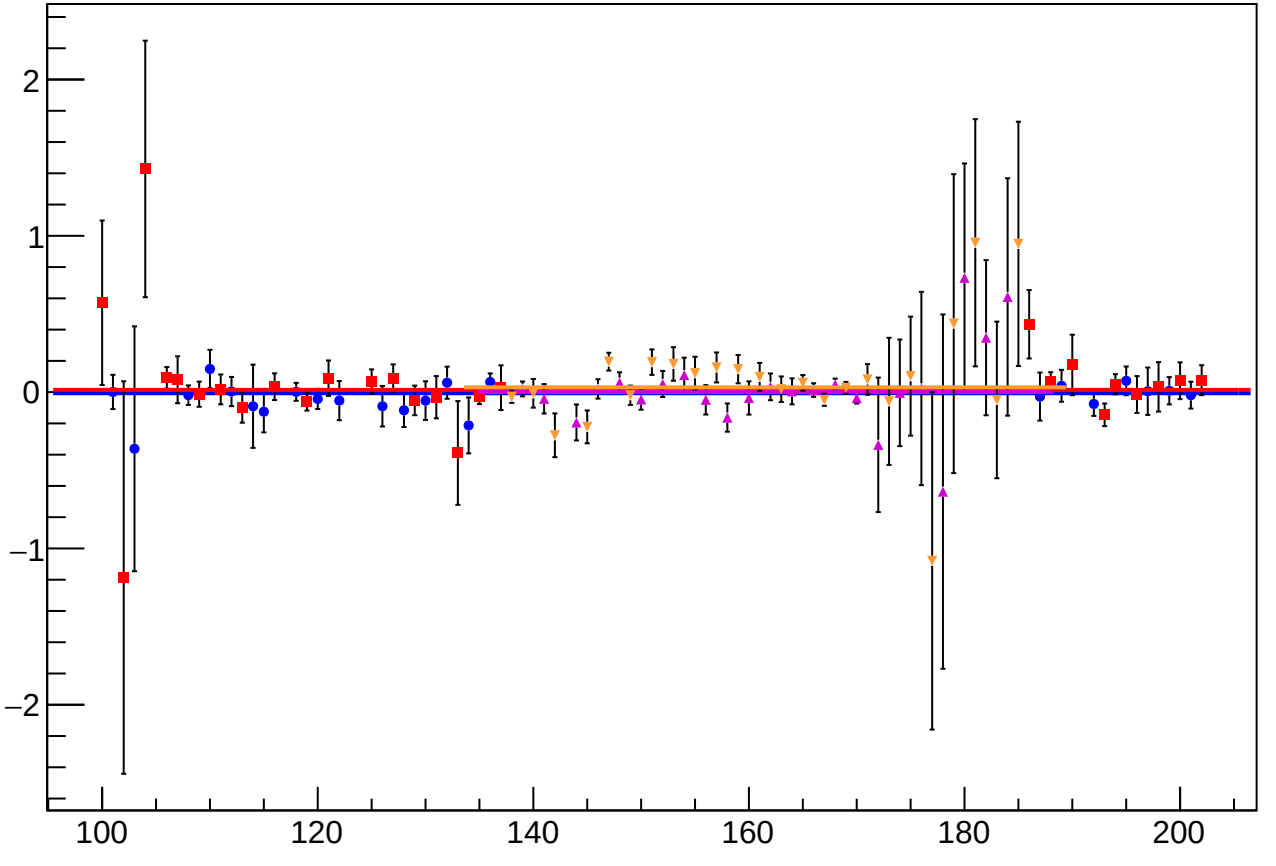
Right: 0.000+/-0.000 χ^2/NDF: 15238582.8/49

In: 0.000+/-0.000 χ^2/NDF:10582132.2/45

Out: 0.000+/-0.000 χ^2/NDF:10836868.1/50

All: 0.000+/-0.000 χ^2/NDF: 21441519.3/96

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

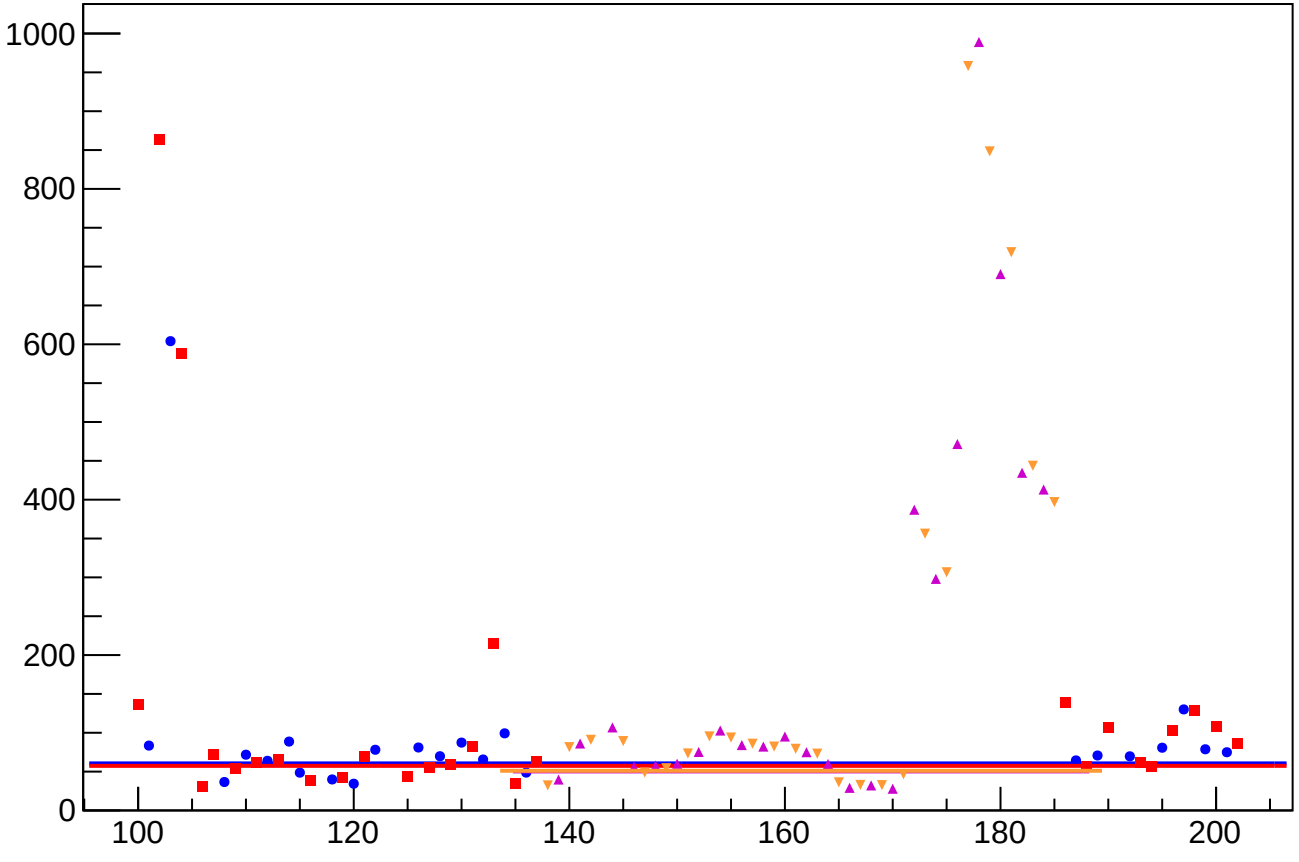
Right: 0.005+/-0.013 χ^2/NDF: 35.6/49

In: -0.002+/-0.012 χ^2/NDF:26.3/45

Out: 0.024+/-0.012 χ^2/NDF:66.8/50

All: 0.011+/-0.008 χ^2/NDF: 95.5/96

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.568+/-0.014 χ^2/NDF: 3087909.9/22

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 57.420+/-0.013 χ^2/NDF: 4952290.0/26

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

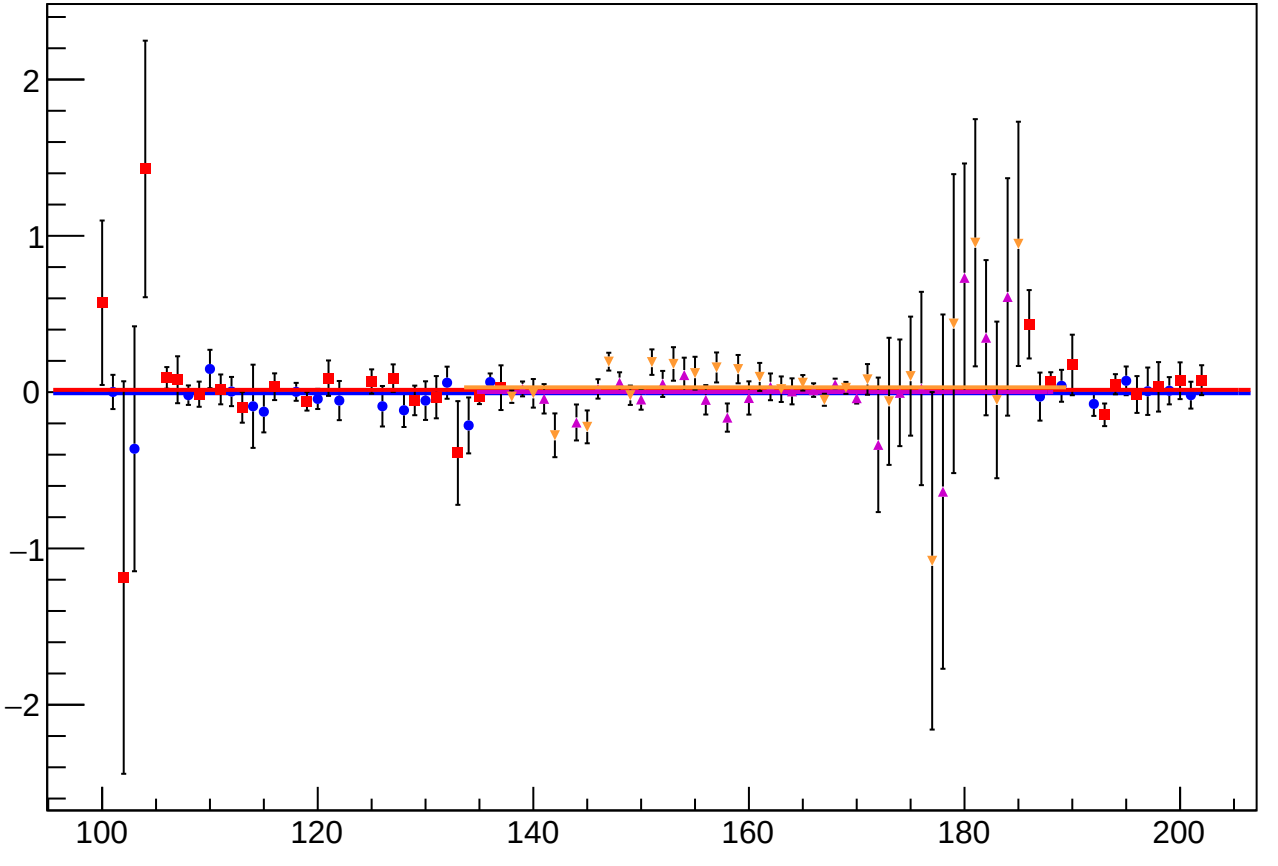
Right: 58.866+/-0.009 χ^2/NDF: 8068155.1/49

In: 54.151+/-0.009 χ^2/NDF:15629260.9/45

Out: 53.767+/-0.008 χ^2/NDF:16831195.0/50

All: 53.954+/-0.006 χ^2/NDF: 32461495.9/96

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

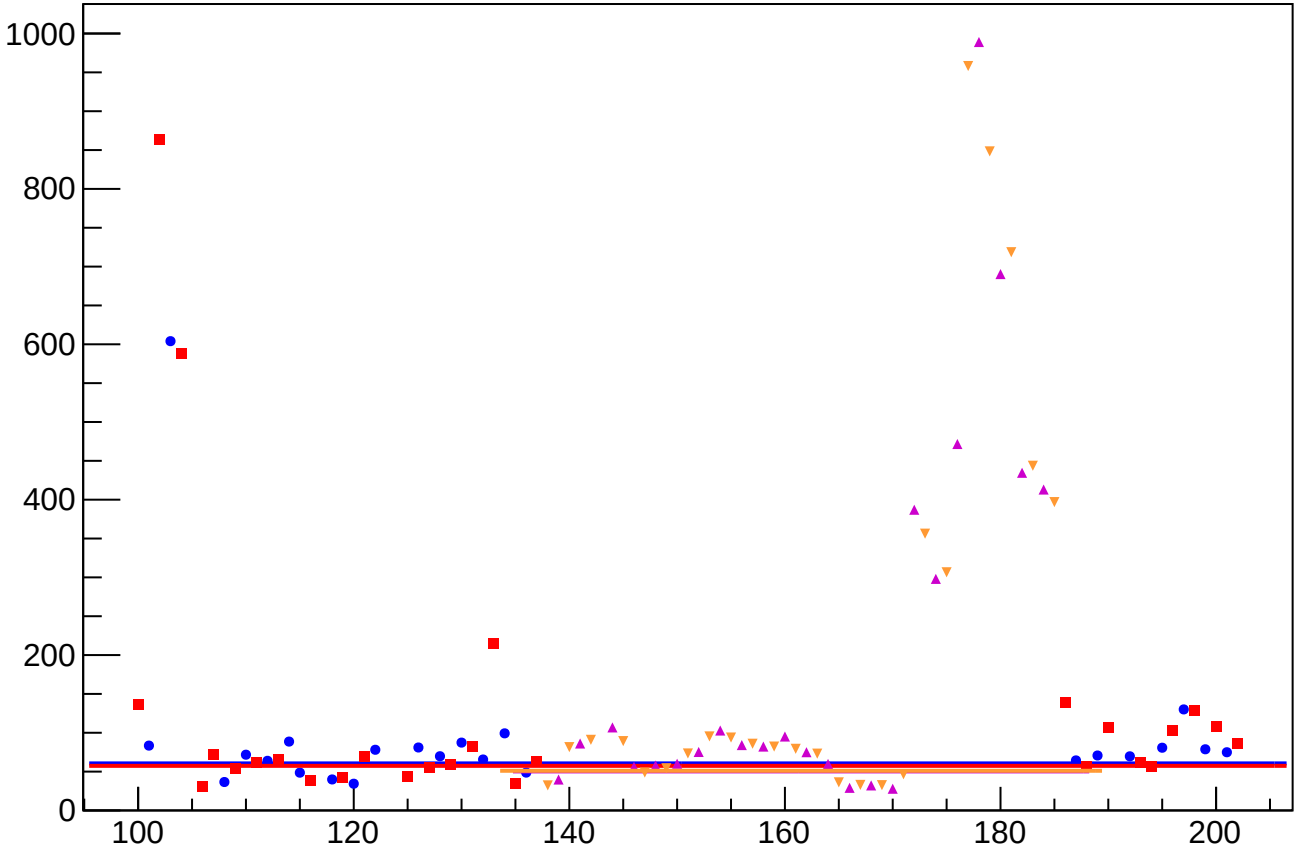
Right: 0.005+/-0.013 χ^2/NDF: 35.6/49

In: -0.002+/-0.012 χ^2/NDF:26.3/45

Out: 0.024+/-0.012 χ^2/NDF:66.8/50

All: 0.011+/-0.008 χ^2/NDF: 95.5/96

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.568+/-0.014 χ^2/NDF: 3087909.9/22

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 57.420+/-0.013 χ^2/NDF: 4952290.0/26

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

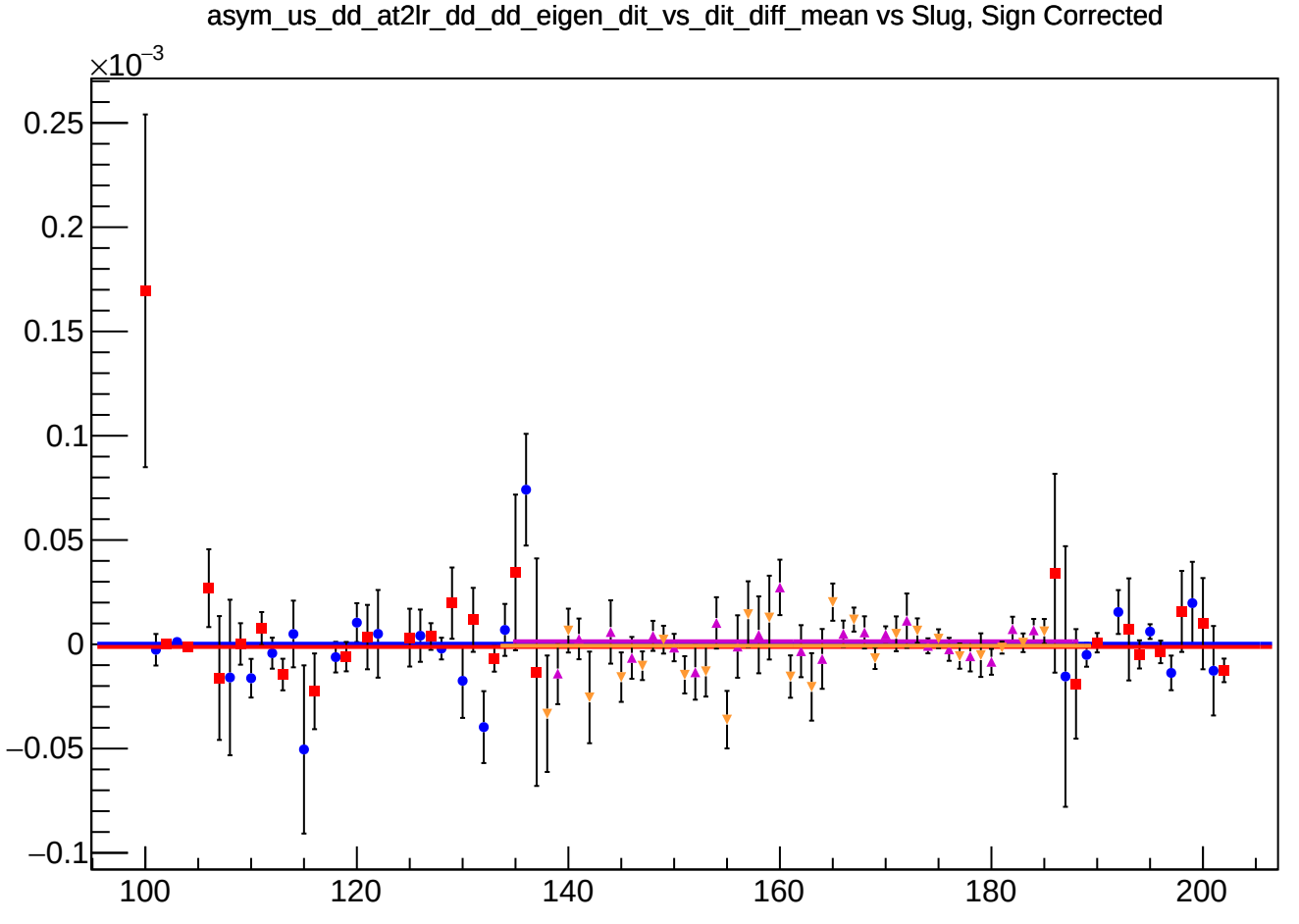
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 58.866+/-0.009 χ^2/NDF: 8068155.1/49

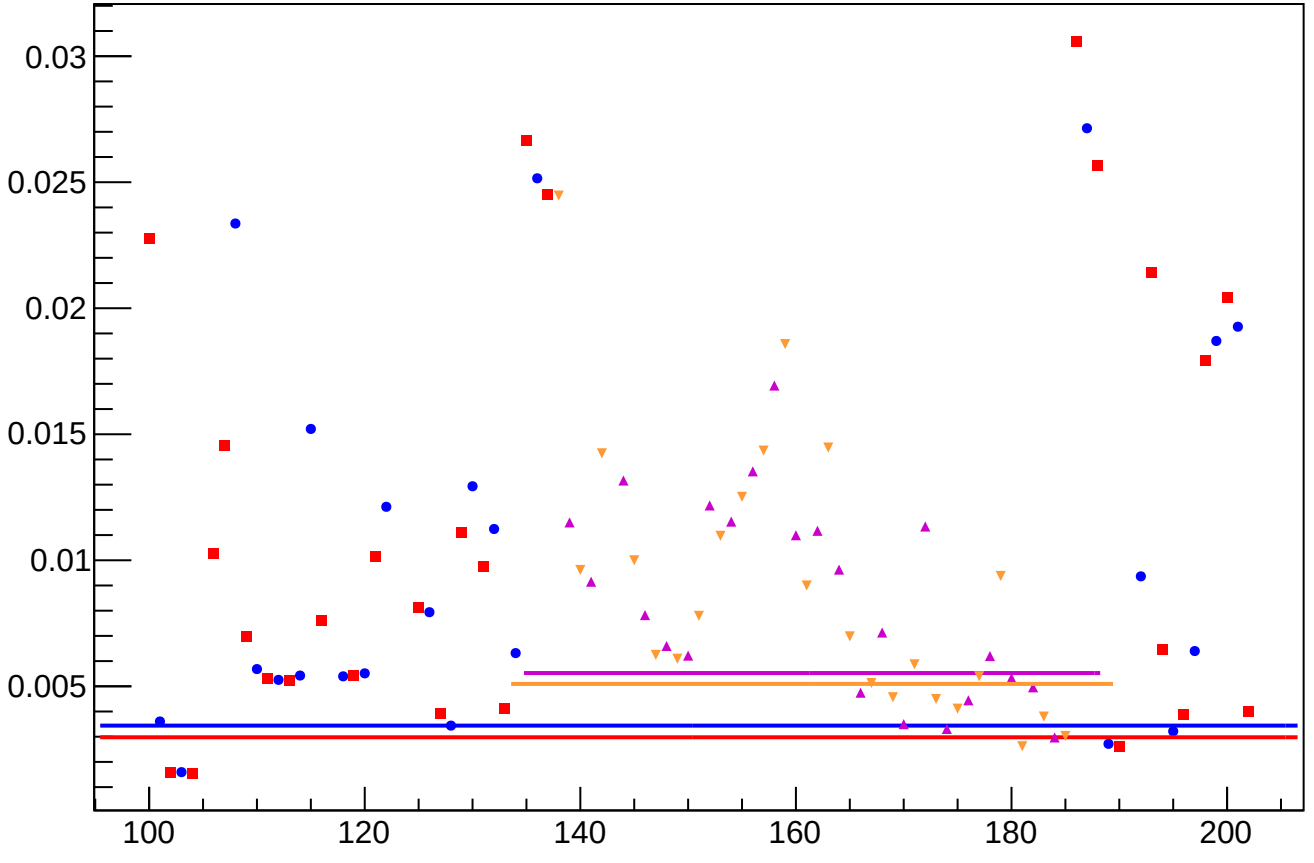
In: 54.151+/-0.009 χ^2/NDF:15629260.9/45

Out: 53.767+/-0.008 χ^2/NDF:16831195.0/50

All: 53.954+/-0.006 χ^2/NDF: 32461495.9/96


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.2/22
Left Out: -0.000+/-0.000 χ²/NDF:38.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.8/26
Left In: 0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 56.0/46
Right: -0.000+/-0.000 χ²/NDF: 57.7/49
In: 0.000+/-0.000 χ²/NDF:49.0/45
Out: -0.000+/-0.000 χ²/NDF:63.4/50
All: -0.000+/-0.000 χ²/NDF: 114.2/96

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9366790.2/22

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 12900677.0/26

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

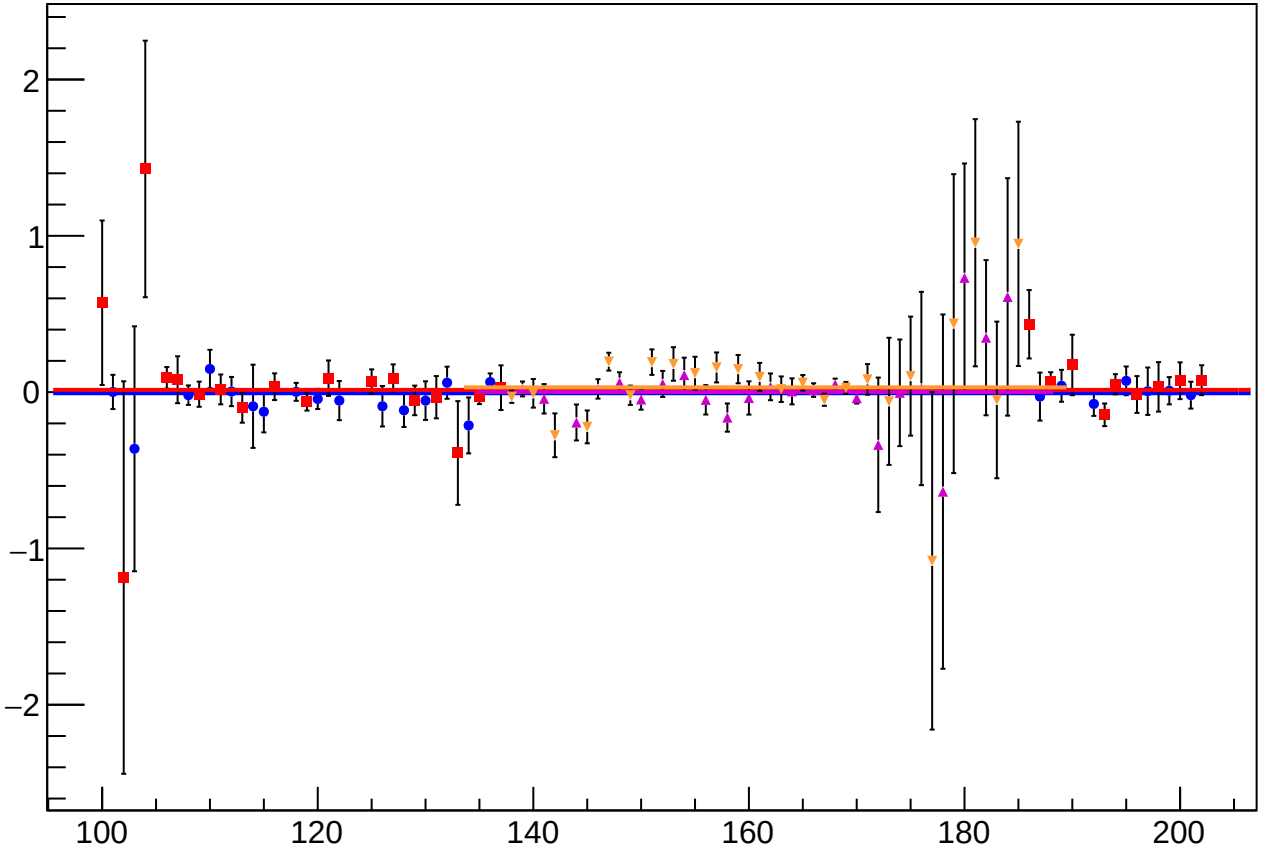
Right: 0.003+/-0.000 χ^2/NDF: 22399927.4/49

In: 0.004+/-0.000 χ^2/NDF:18331812.5/45

Out: 0.004+/-0.000 χ^2/NDF:24043497.1/50

All: 0.004+/-0.000 χ^2/NDF: 42722239.2/96

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

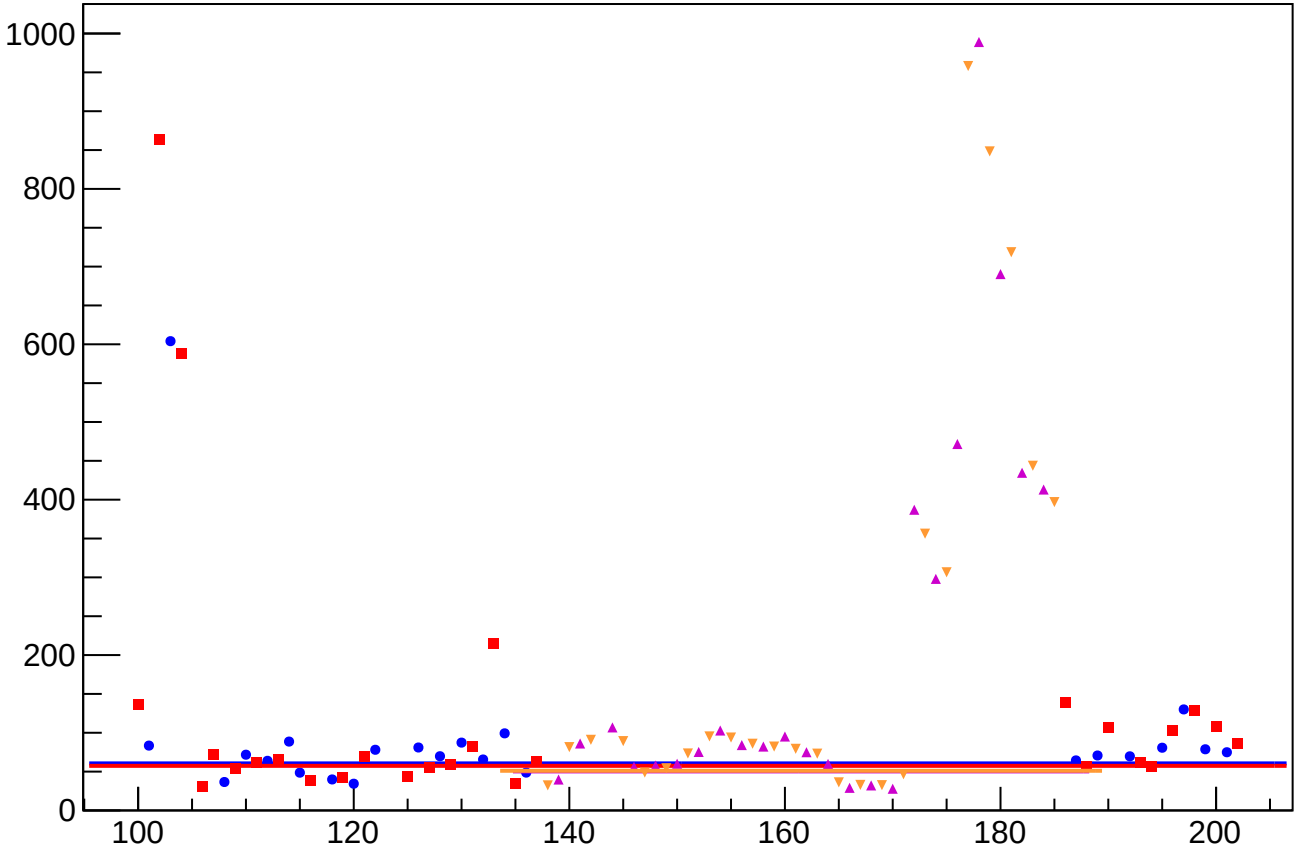
Right: 0.005+/-0.013 χ^2/NDF: 35.6/49

In: -0.002+/-0.012 χ^2/NDF:26.3/45

Out: 0.024+/-0.012 χ^2/NDF:66.8/50

All: 0.011+/-0.008 χ^2/NDF: 95.5/96

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.570+/-0.014 χ^2/NDF: 3087324.6/22

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 57.422+/-0.013 χ^2/NDF: 4951980.4/26

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

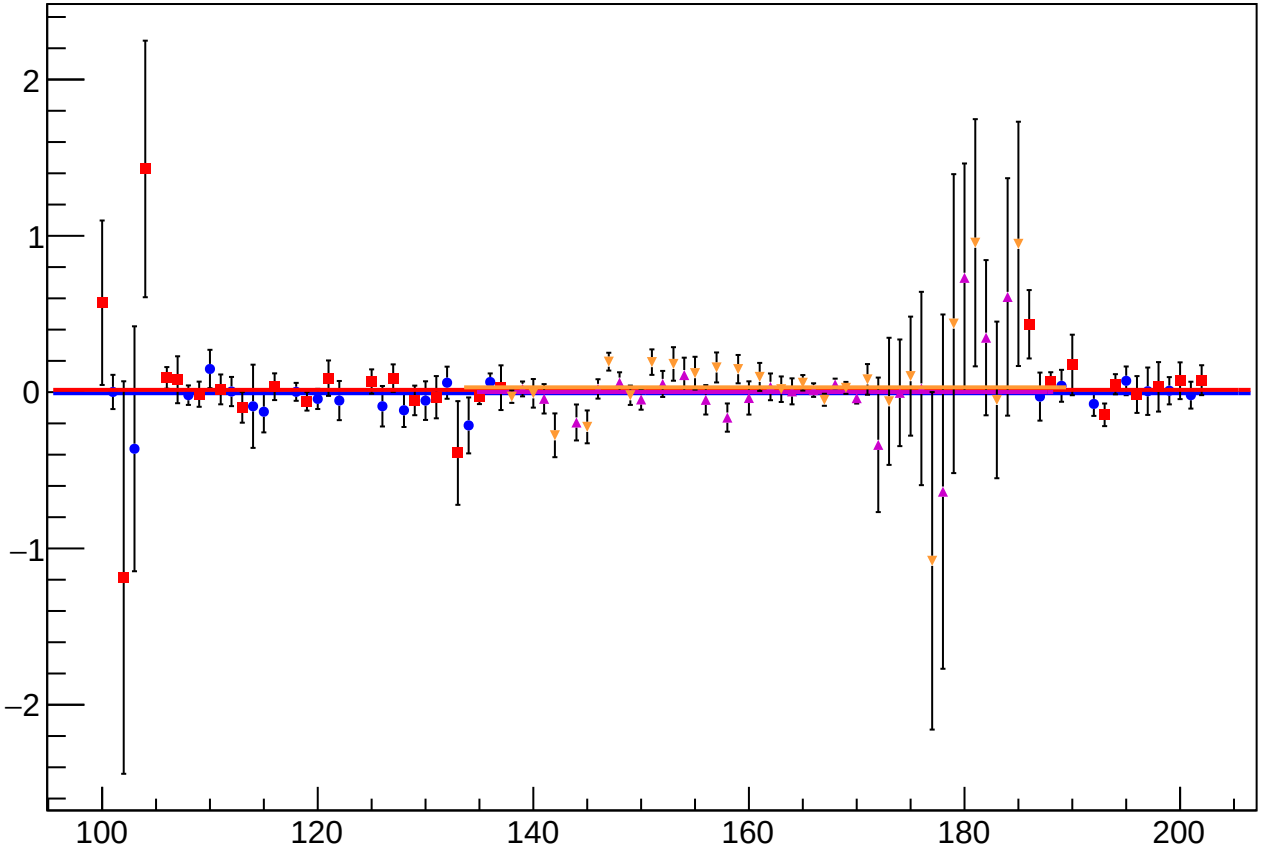
Right: 58.869+/-0.009 χ^2/NDF: 8067275.8/49

In: 54.152+/-0.009 χ^2/NDF:15628794.1/45

Out: 53.769+/-0.008 χ^2/NDF:16830025.5/50

All: 53.956+/-0.006 χ^2/NDF: 32459852.5/96

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

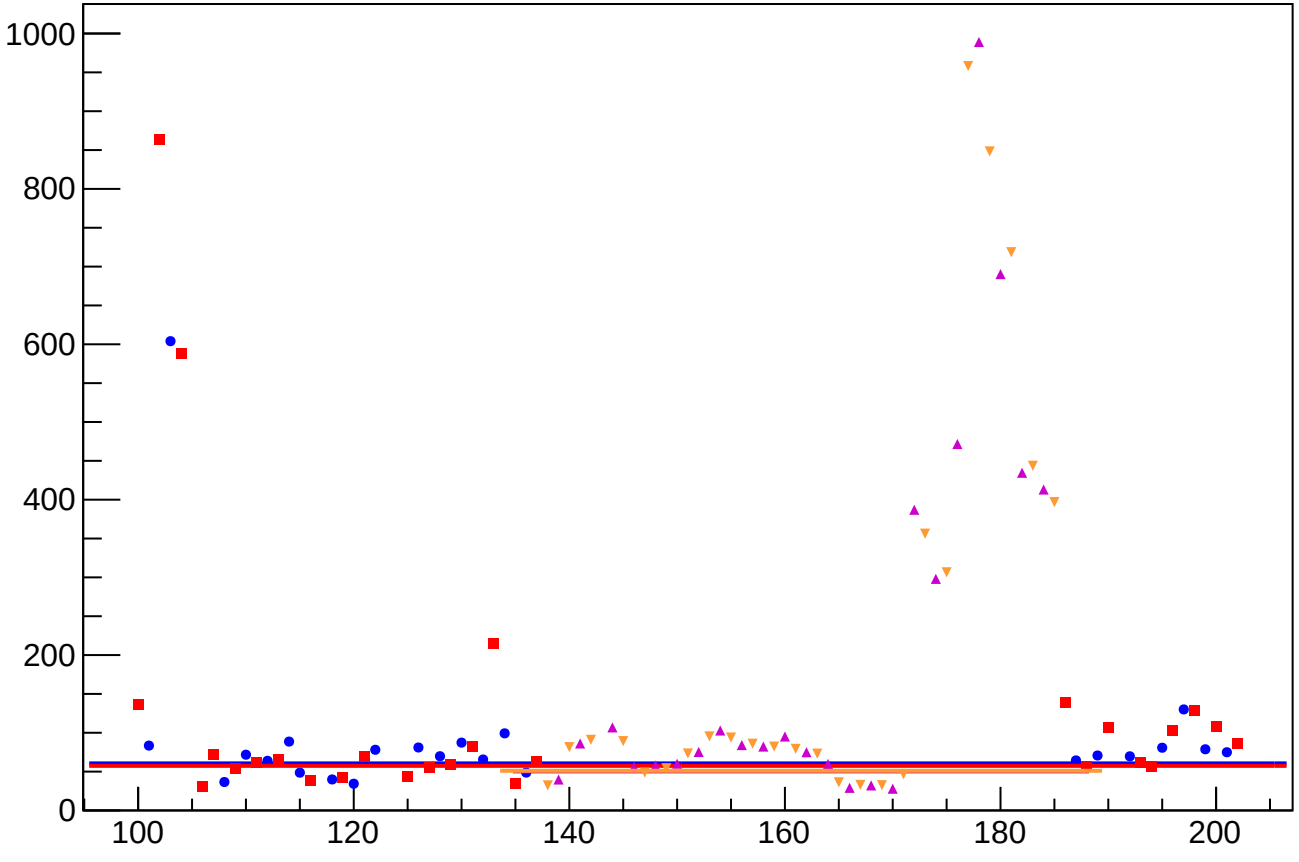
Right: 0.005+/-0.013 χ^2/NDF: 35.6/49

In: -0.002+/-0.012 χ^2/NDF:26.3/45

Out: 0.024+/-0.012 χ^2/NDF:66.8/50

All: 0.011+/-0.008 χ^2/NDF: 95.5/96

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.570+/-0.014 χ^2/NDF: 3087324.6/22

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 57.422+/-0.013 χ^2/NDF: 4951980.4/26

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

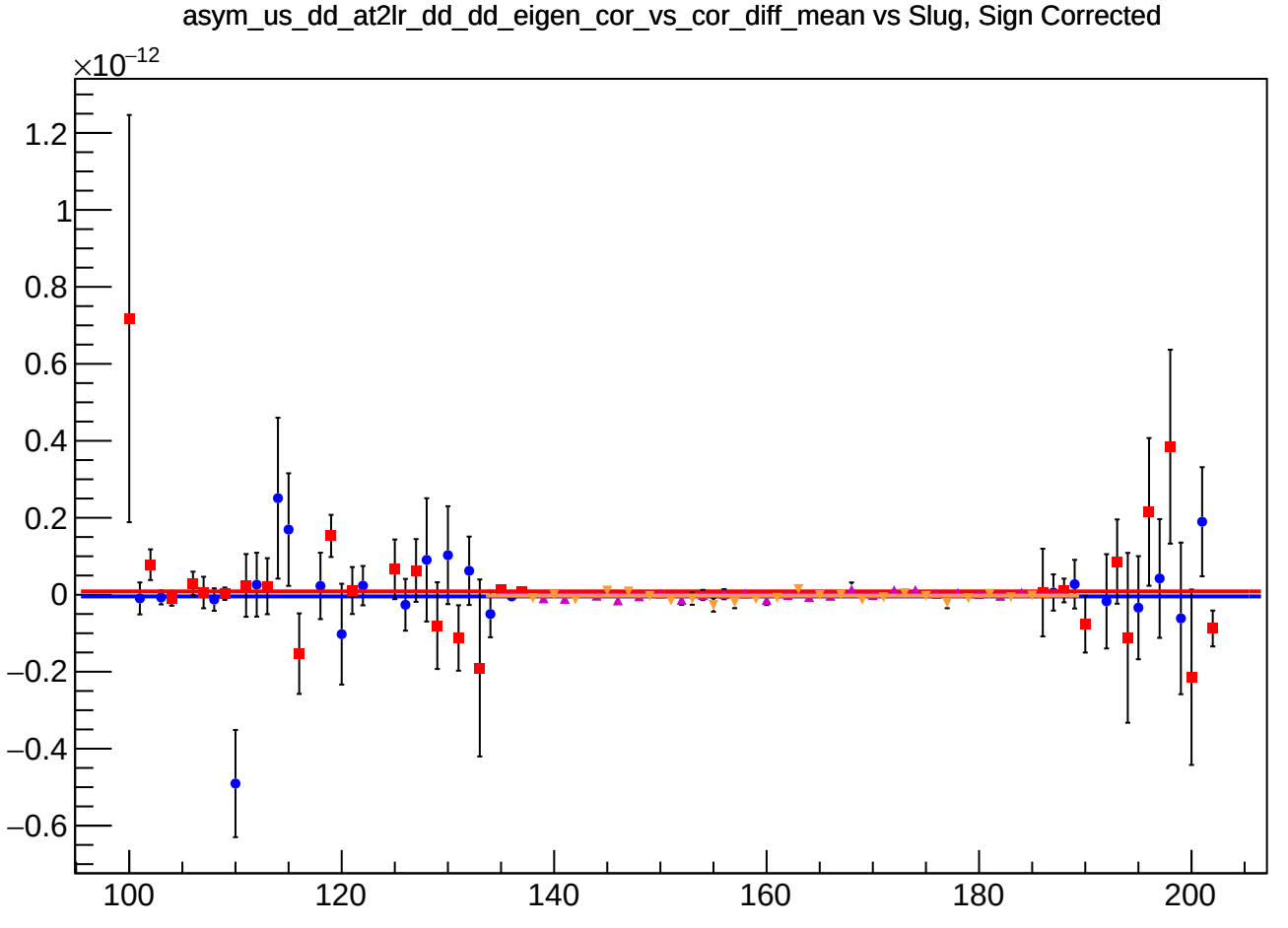
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 58.869+/-0.009 χ^2/NDF: 8067275.8/49

In: 54.152+/-0.009 χ^2/NDF:15628794.1/45

Out: 53.769+/-0.008 χ^2/NDF:16830025.5/50

All: 53.956+/-0.006 χ^2/NDF: 32459852.5/96



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/26

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

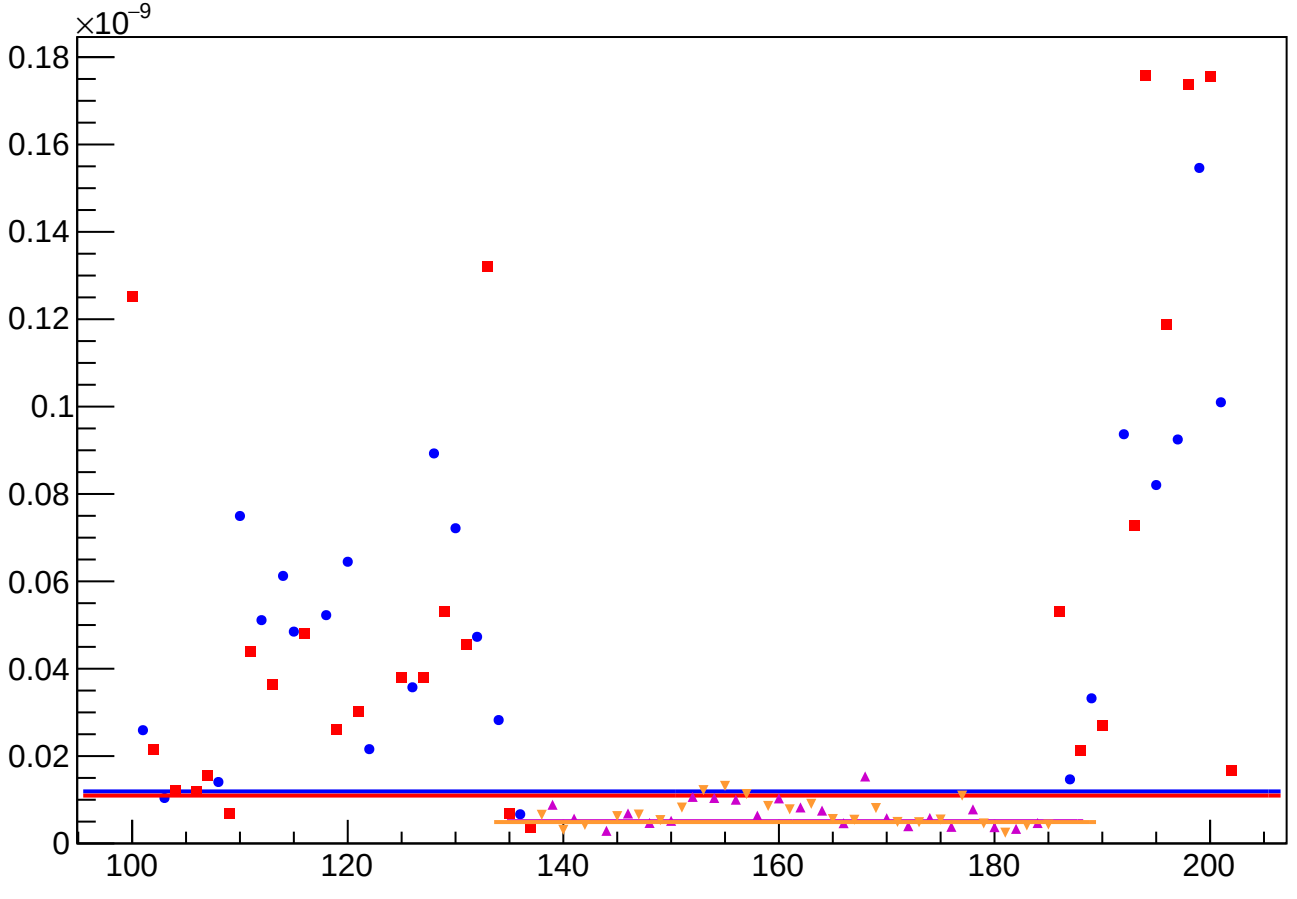
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 54.0/49

In: -0.000+/-0.000 χ^2/NDF:39.6/45

Out: -0.000+/-0.000 χ^2/NDF:56.1/50

All: -0.000+/-0.000 χ^2/NDF: 96.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 8687011.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9024953.6/26

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

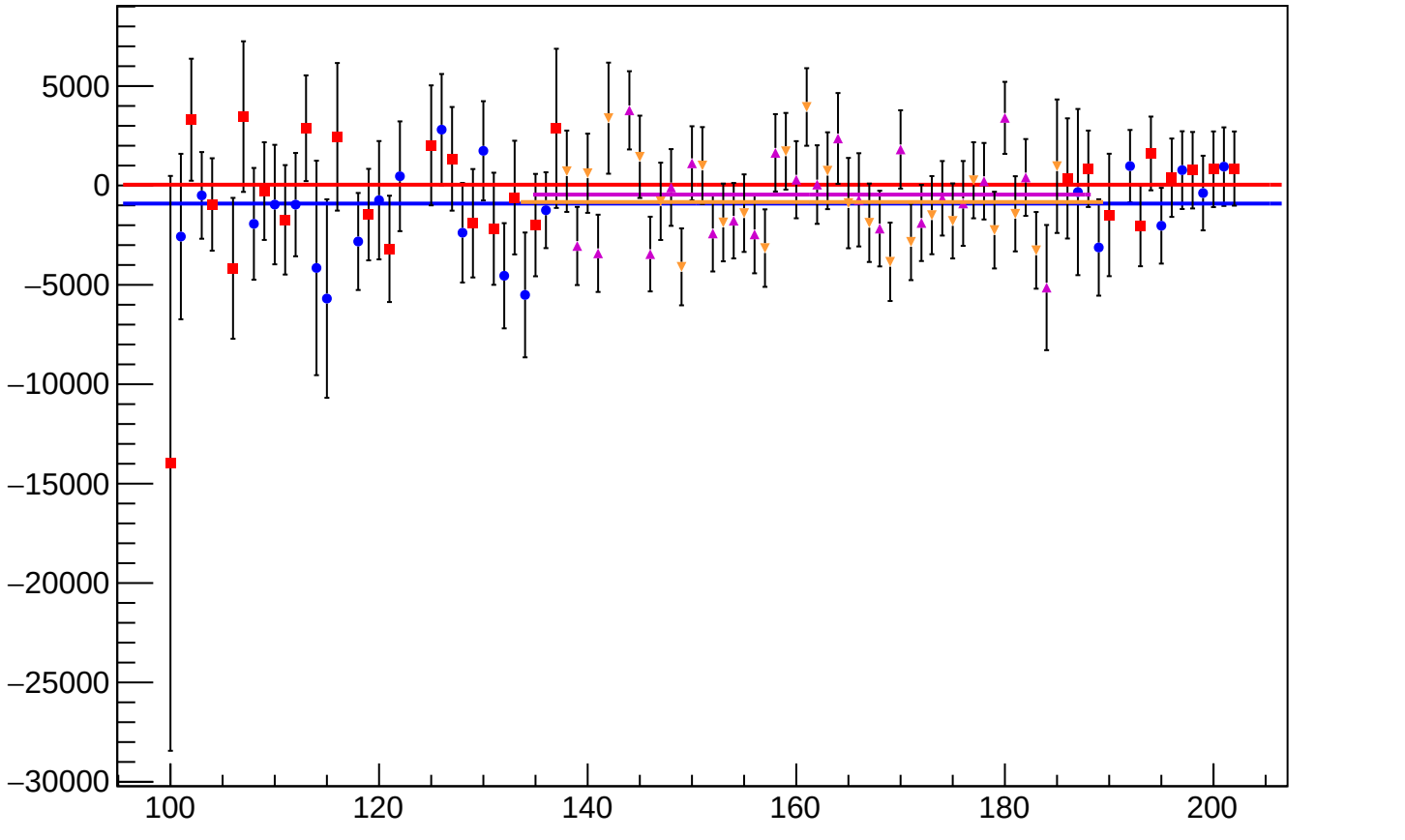
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 17733810.5/49

In: 0.000+/-0.000 χ^2/NDF:14427311.7/45

Out: 0.000+/-0.000 χ^2/NDF:15135598.8/50

All: 0.000+/-0.000 χ^2/NDF: 29585019.3/96



Right In: -910.703+/-518.991 χ^2/NDF: 13.7/22

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 38.222+/-485.302 χ^2/NDF: 14.0/26

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

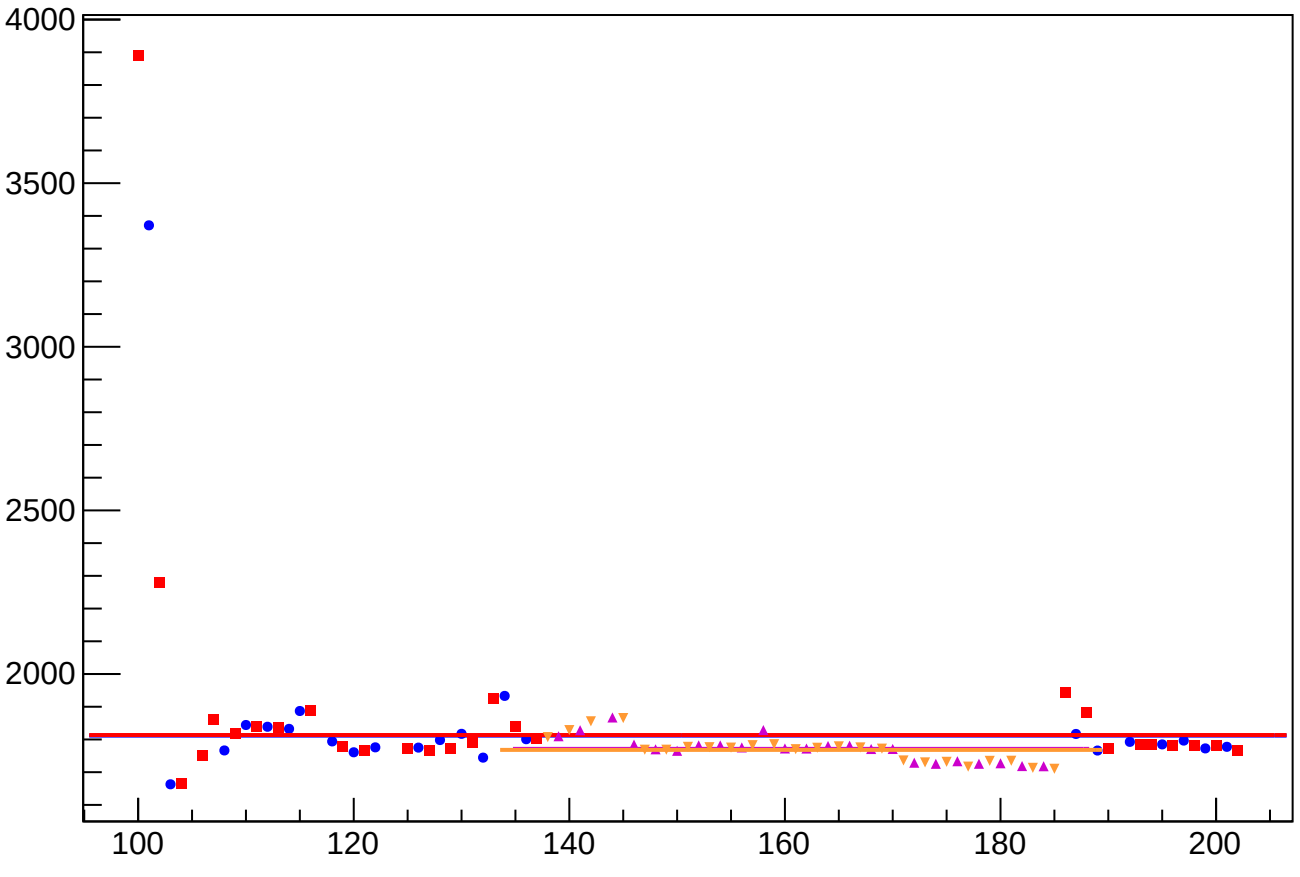
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -404.444+/-354.472 χ^2/NDF: 29.6/49

In: -634.832+/-323.469 χ^2/NDF:41.4/45

Out: -469.445+/-313.391 χ^2/NDF:41.4/50

All: -549.522+/-225.080 χ^2/NDF: 82.9/96



Right In: 1811.805+/-0.367 χ^2/NDF: 300246.0/22

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1813.529+/-0.343 χ^2/NDF: 114281.7/26

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

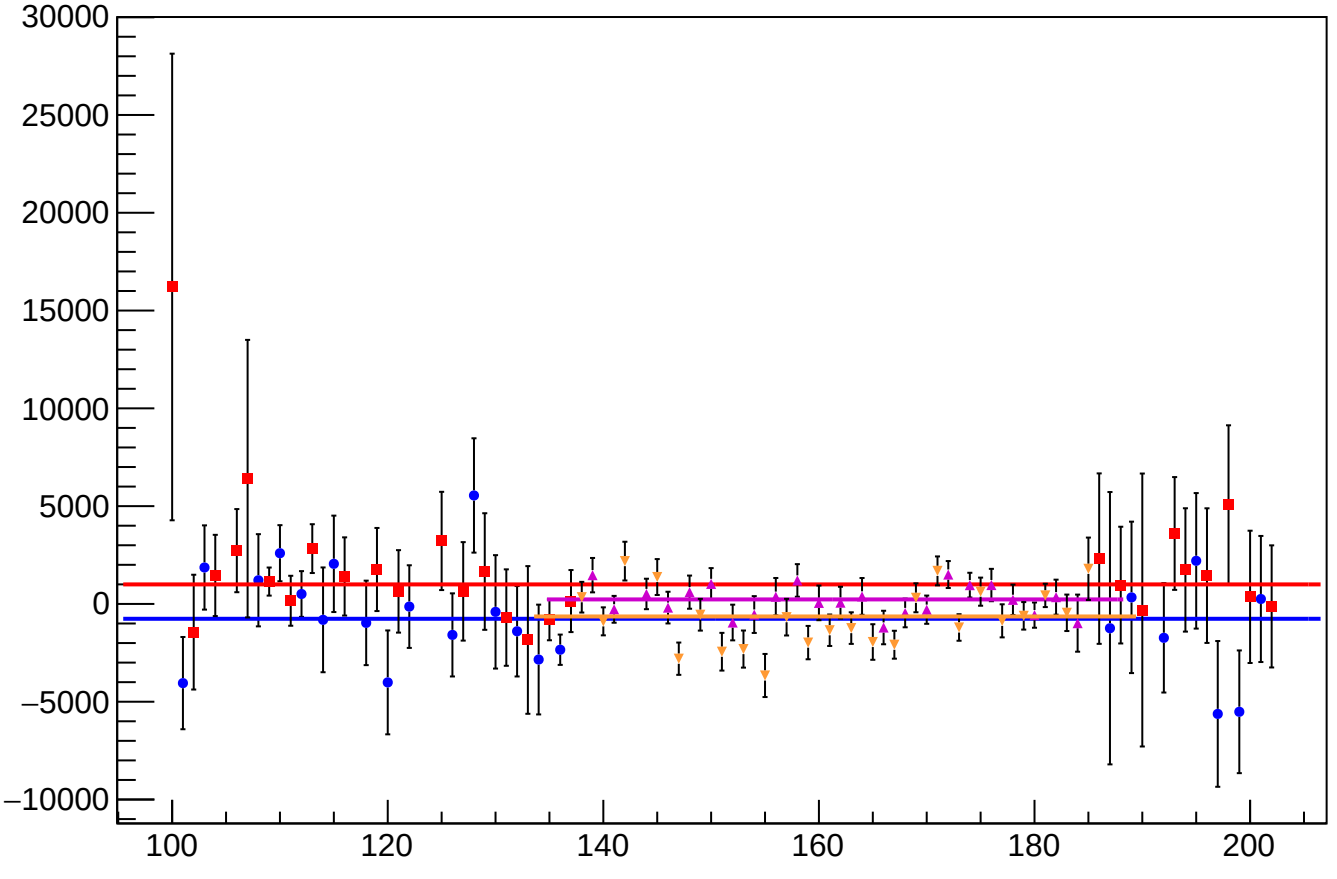
Right: 1812.725+/-0.251 χ^2/NDF: 414539.5/49

In: 1786.984+/-0.229 χ^2/NDF:324152.0/45

Out: 1787.059+/-0.222 χ^2/NDF:140845.8/50

All: 1787.023+/-0.159 χ^2/NDF: 464997.8/96

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -759.533+/-419.449 χ^2/NDF: 28.3/22

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 998.362+/-372.618 χ^2/NDF: 13.8/26

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

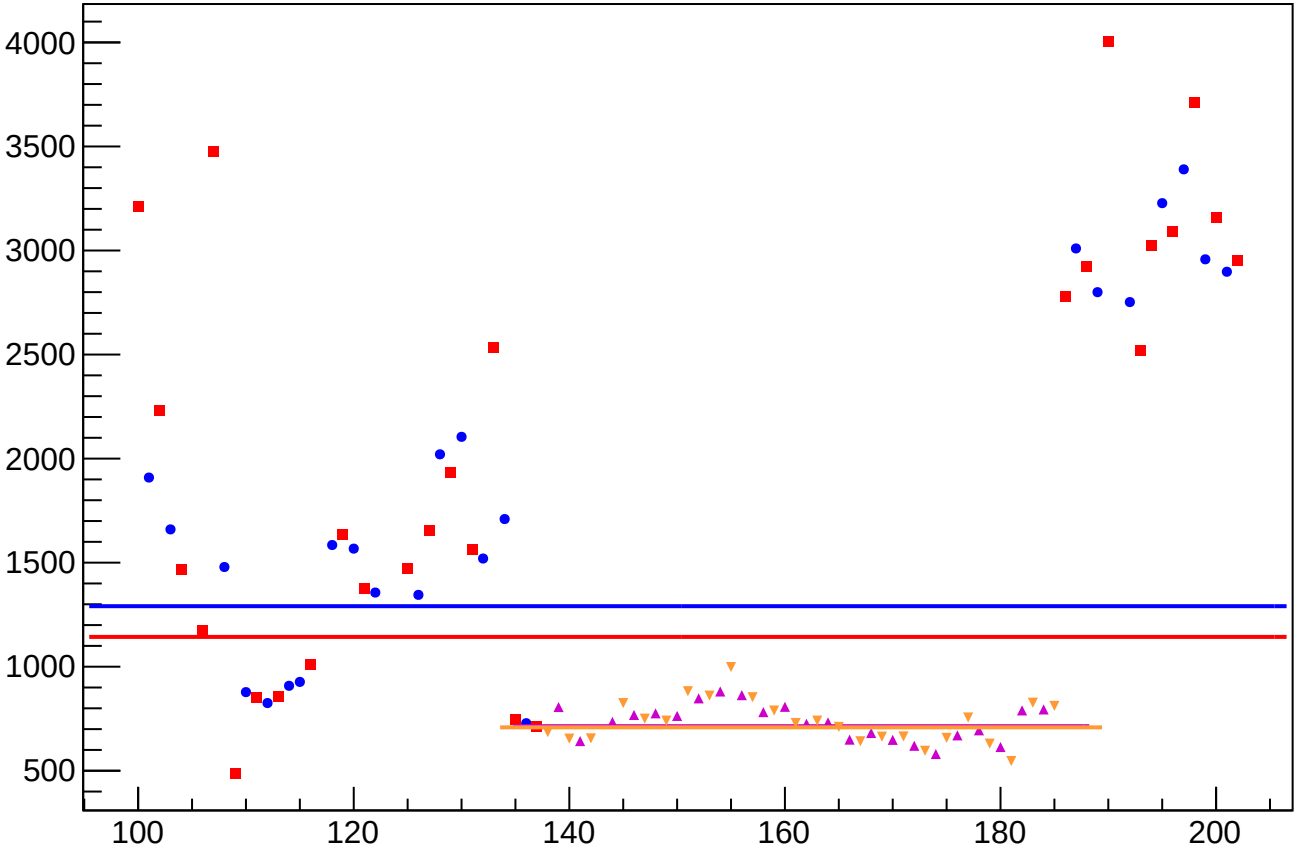
Right: 222.986+/-278.573 χ^2/NDF: 51.9/49

In: 93.317+/-156.211 χ^2/NDF:53.1/45

Out: -368.319+/-151.976 χ^2/NDF:96.6/50

All: -143.844+/-108.930 χ^2/NDF: 154.1/96

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1290.752+/-0.297 χ^2/NDF: 5531498.6/22

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1143.186+/-0.263 χ^2/NDF: 8962581.4/26

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

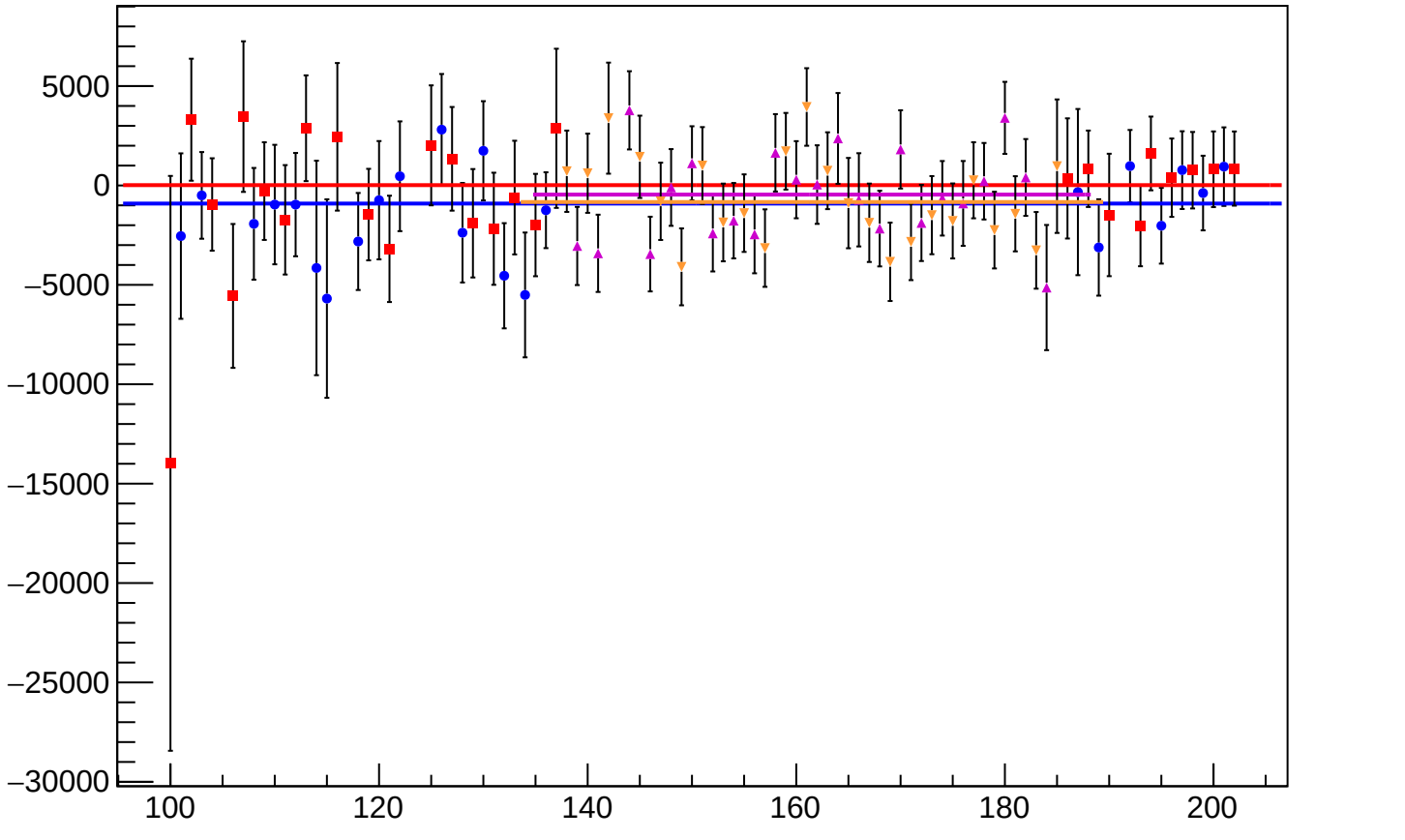
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1208.274+/-0.197 χ^2/NDF: 14632434.6/49

In: 794.133+/-0.110 χ^2/NDF:9283829.6/45

Out: 780.811+/-0.107 χ^2/NDF:11932036.9/50

All: 787.289+/-0.077 χ^2/NDF: 21223338.9/96



Right In: -910.379+/-518.991 χ^2/NDF: 13.7/22

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 16.530+/-485.487 χ^2/NDF: 15.0/26

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

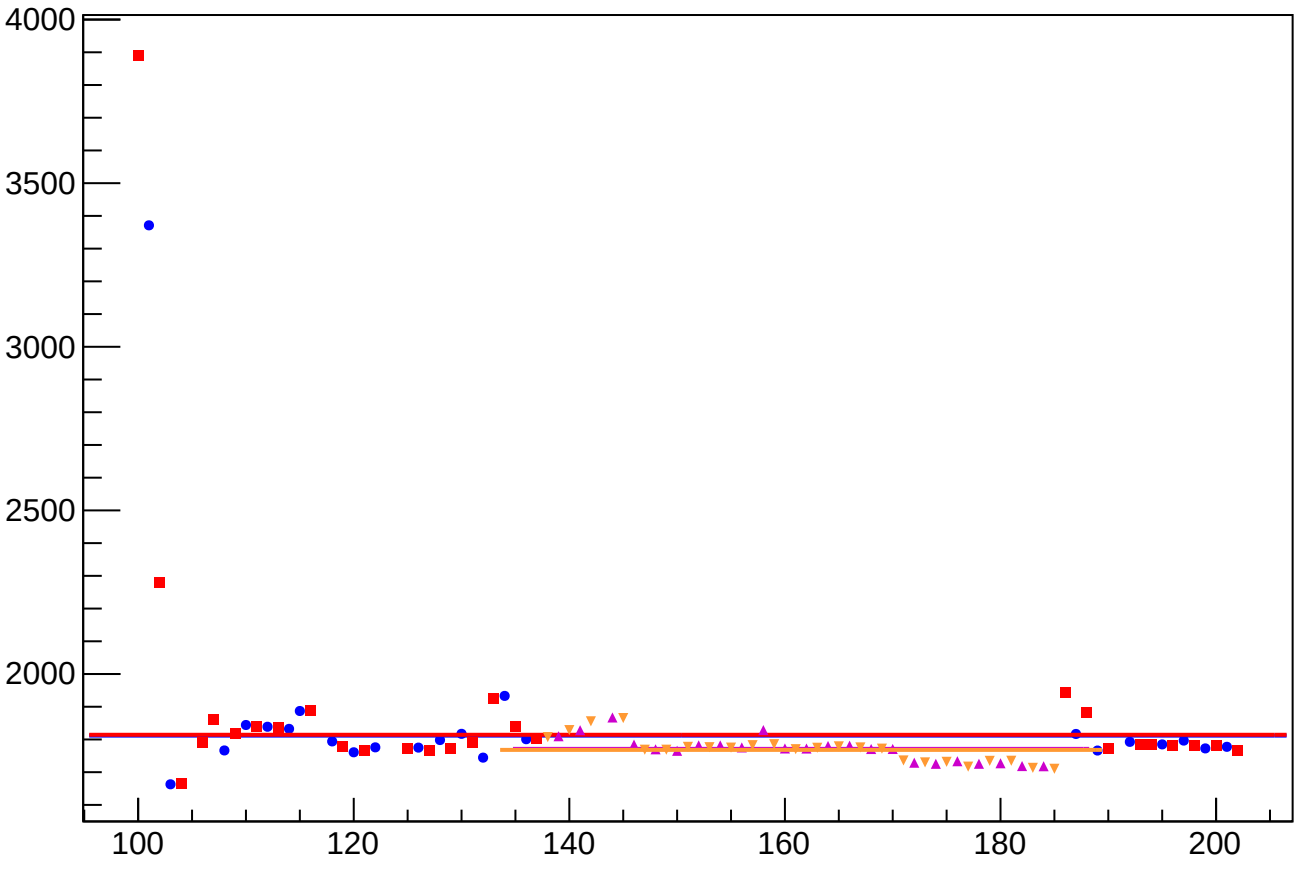
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -416.043+/-354.544 χ^2/NDF: 30.4/49

In: -634.681+/-323.469 χ^2/NDF:41.4/45

Out: -478.587+/-313.441 χ^2/NDF:42.2/50

All: -554.177+/-225.098 χ^2/NDF: 83.8/96



Right In: 1811.805+/-0.367 χ^2/NDF: 300247.8/22

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1814.313+/-0.343 χ^2/NDF: 113720.6/26

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

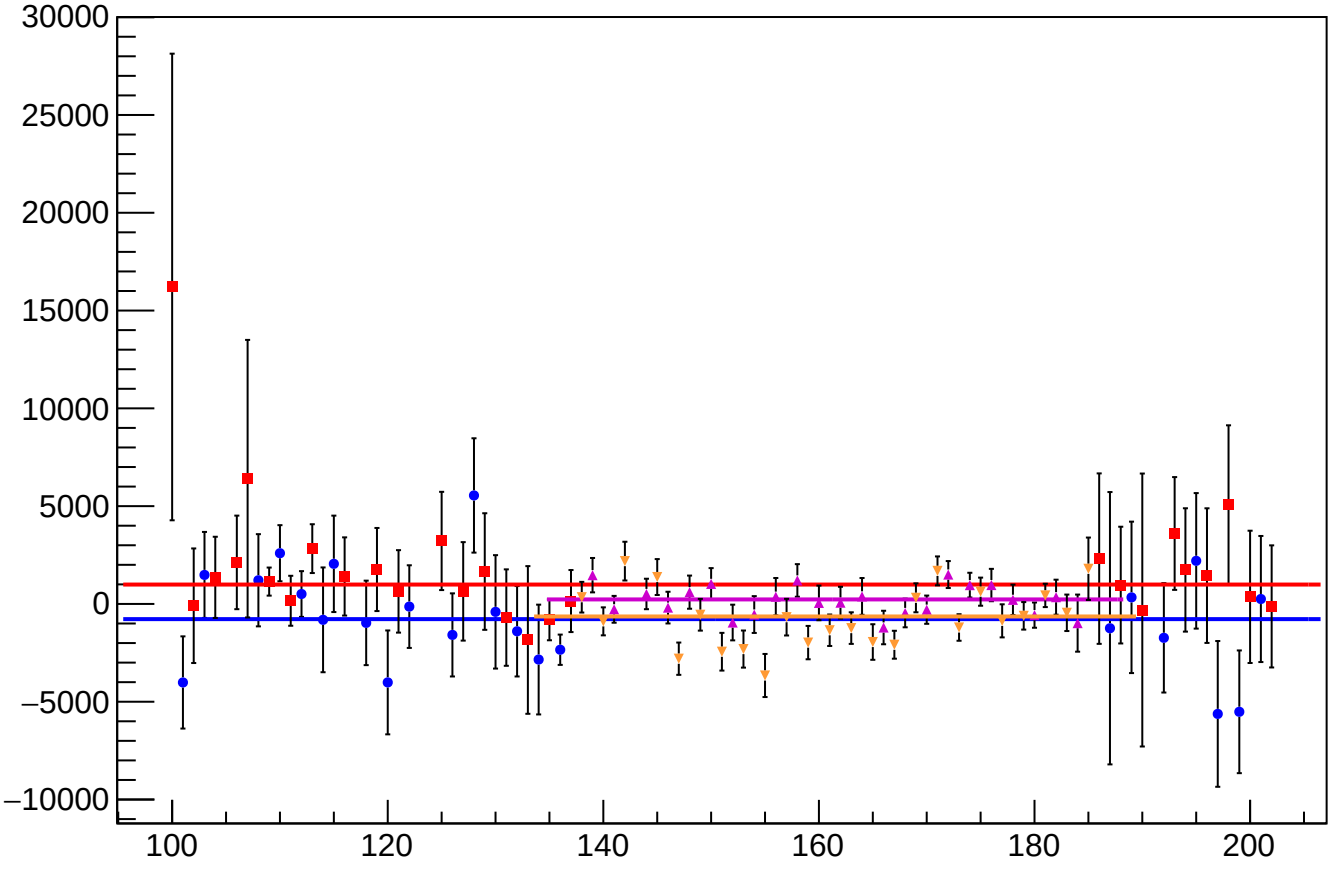
Right: 1813.142+/-0.251 χ^2/NDF: 413993.3/49

In: 1786.984+/-0.229 χ^2/NDF:324153.8/45

Out: 1787.378+/-0.222 χ^2/NDF:140635.3/50

All: 1787.187+/-0.159 χ^2/NDF: 464790.6/96

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -776.440+/-419.765 χ^2/NDF: 27.8/22

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 990.976+/-373.801 χ^2/NDF: 12.8/26

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

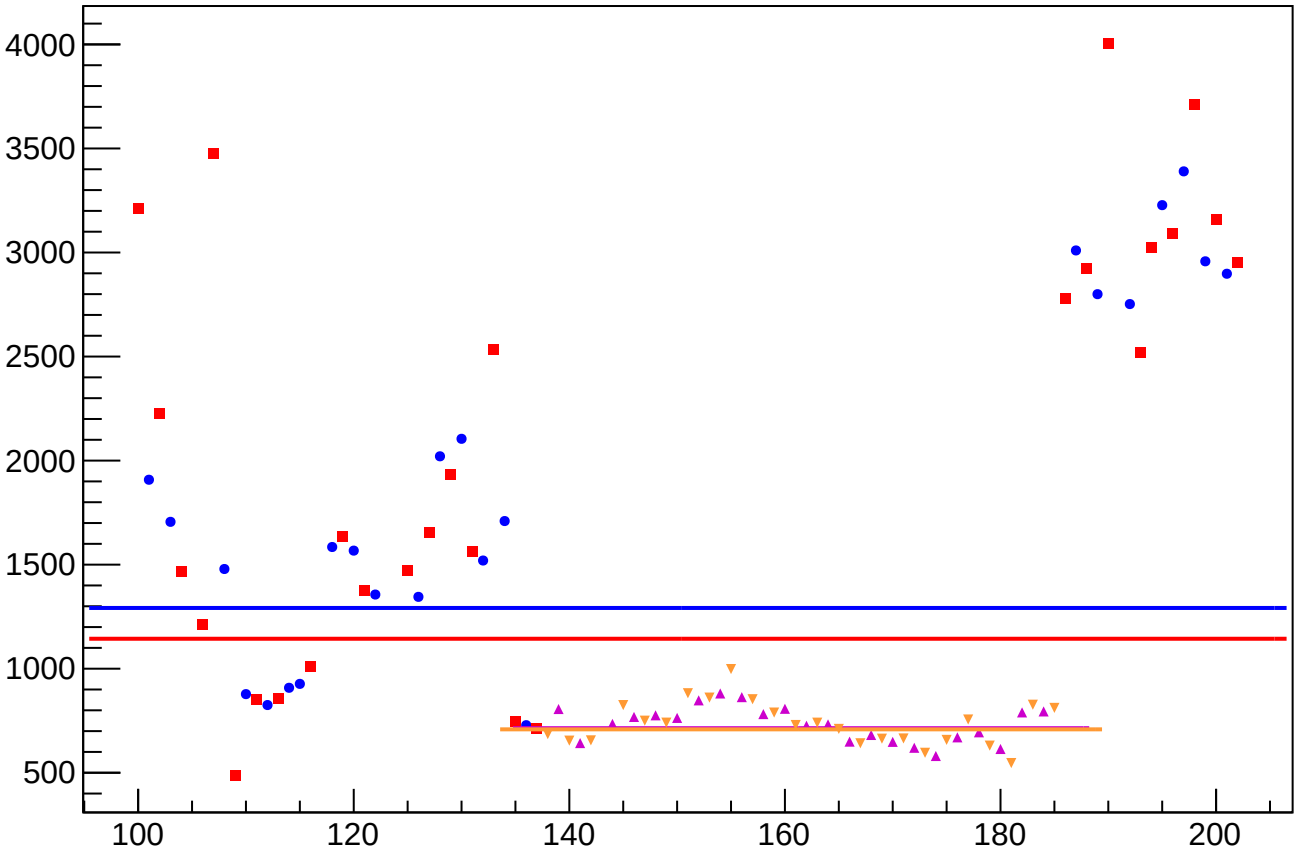
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 209.295+/-279.159 χ^2/NDF: 50.5/49

In: 91.082+/-156.228 χ^2/NDF:52.7/45

Out: -370.955+/-152.056 χ^2/NDF:95.3/50

All: -146.188+/-108.965 χ^2/NDF: 152.6/96



Right In: 1291.862+/-0.297 χ^2/NDF: 5543672.0/22

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1143.893+/-0.264 χ^2/NDF: 8962687.8/26

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

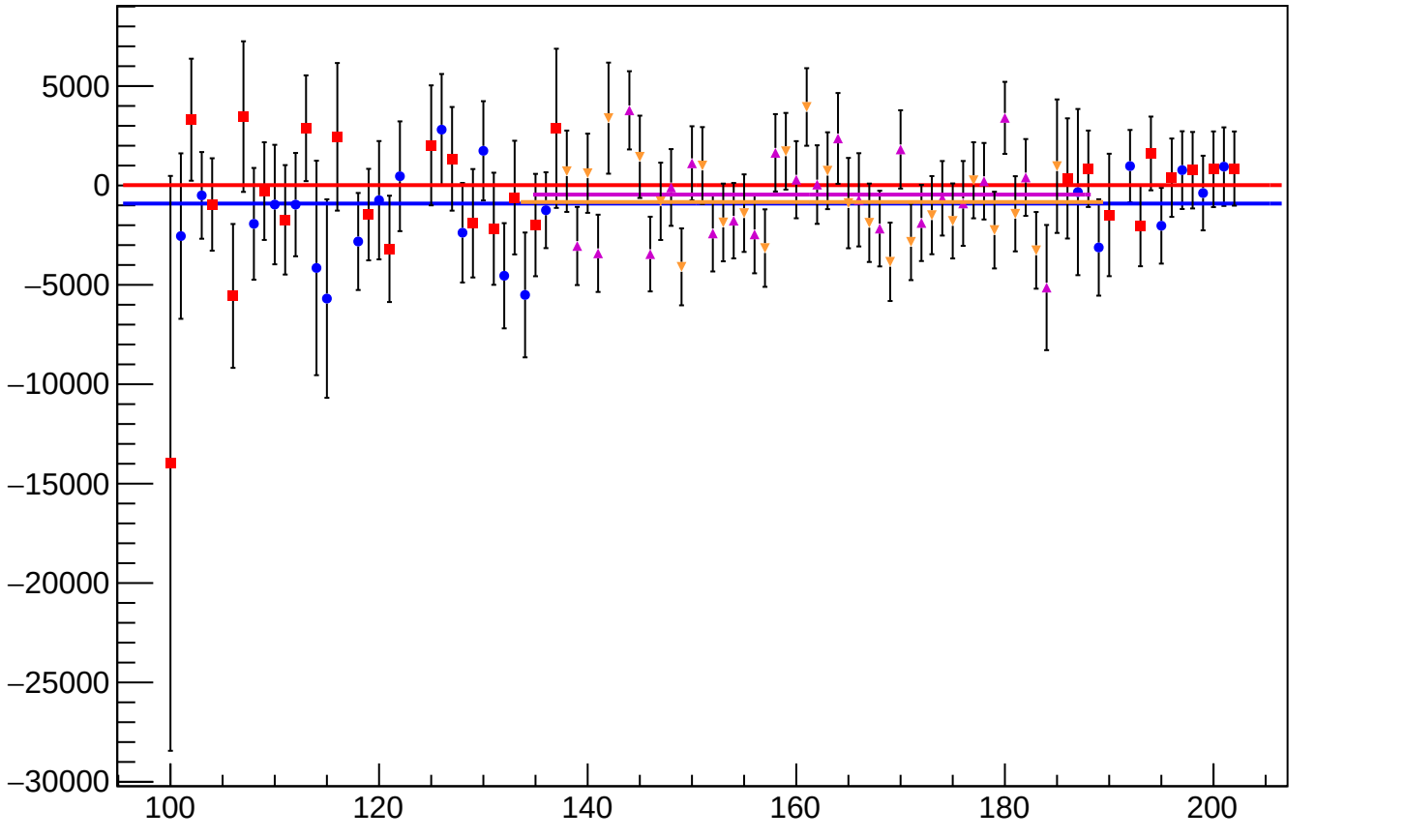
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1209.336+/-0.197 χ^2/NDF: 14644964.9/49

In: 794.189+/-0.110 χ^2/NDF:9304242.4/45

Out: 780.553+/-0.108 χ^2/NDF:11927443.1/50

All: 787.187+/-0.077 χ^2/NDF: 21239510.2/96



Right In: -910.379+/-518.991 χ^2/NDF: 13.7/22

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 16.530+/-485.487 χ^2/NDF: 15.0/26

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

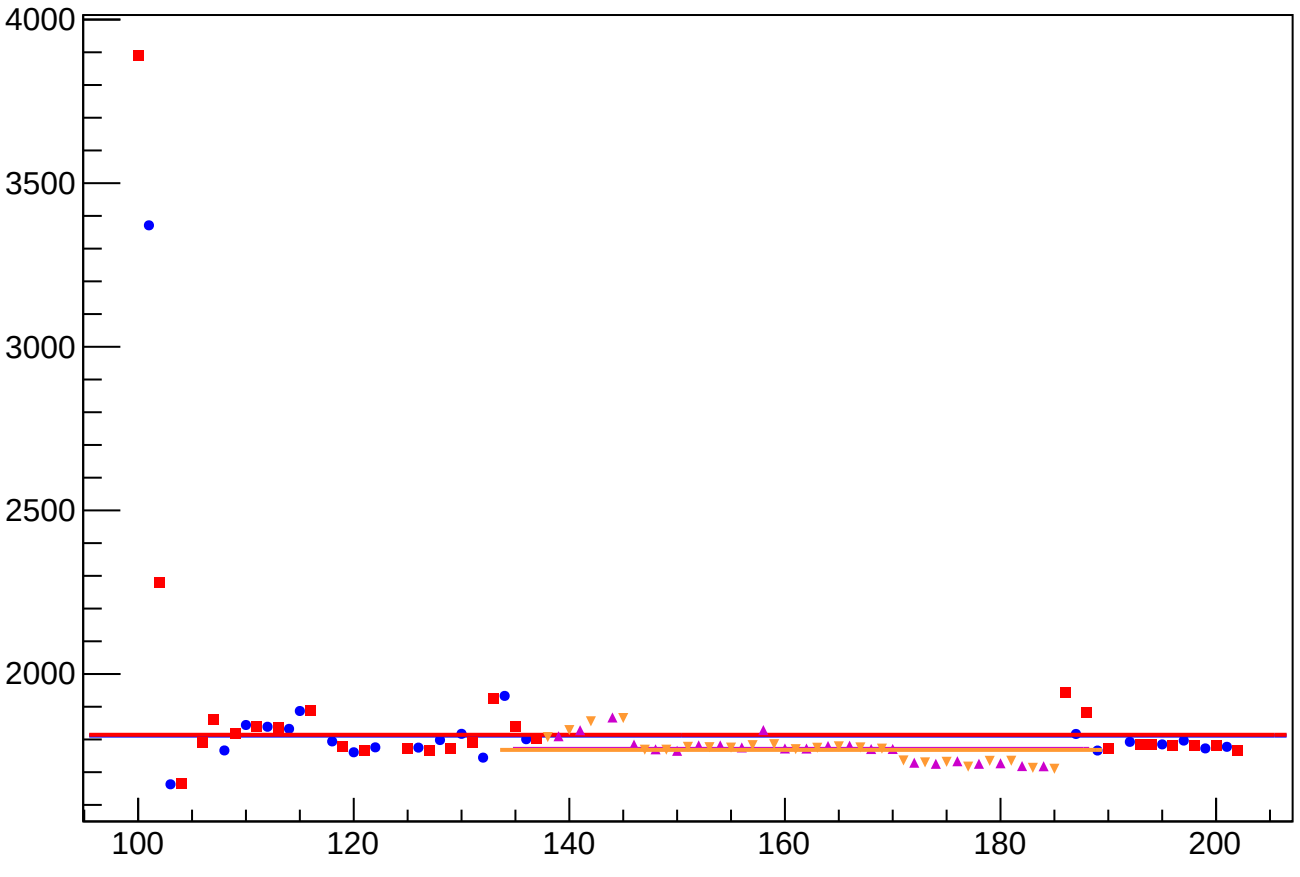
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -416.043+/-354.544 χ^2/NDF: 30.4/49

In: -634.681+/-323.469 χ^2/NDF:41.4/45

Out: -478.587+/-313.441 χ^2/NDF:42.2/50

All: -554.177+/-225.098 χ^2/NDF: 83.8/96



Right In: 1811.805+/-0.367 χ^2/NDF: 300247.8/22

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1814.313+/-0.343 χ^2/NDF: 113720.6/26

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

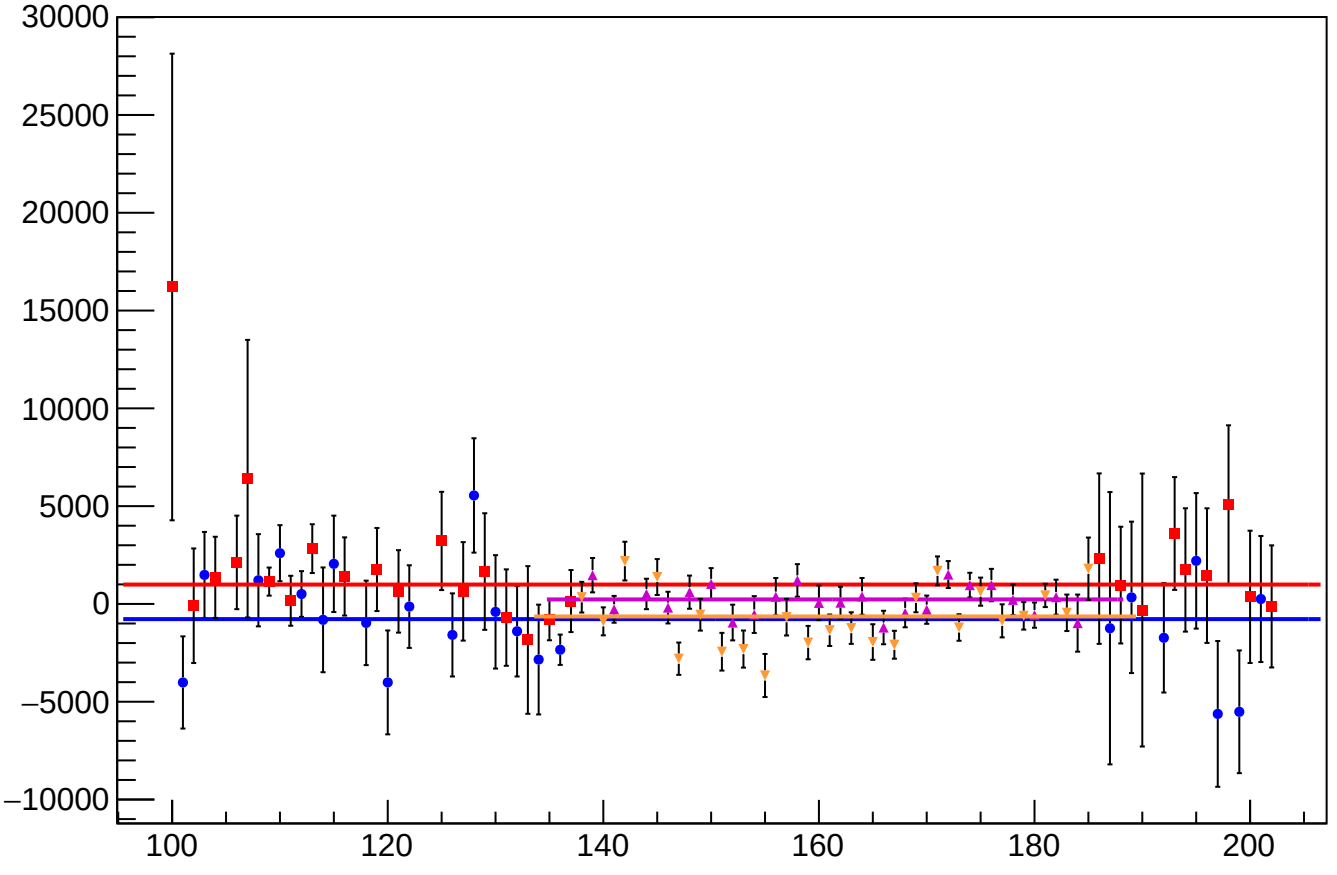
Right: 1813.142+/-0.251 χ^2/NDF: 413993.3/49

In: 1786.984+/-0.229 χ^2/NDF:324153.8/45

Out: 1787.378+/-0.222 χ^2/NDF:140635.3/50

All: 1787.187+/-0.159 χ^2/NDF: 464790.6/96

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -776.440+/-419.765 χ^2/NDF: 27.8/22

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 990.976+/-373.801 χ^2/NDF: 12.8/26

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

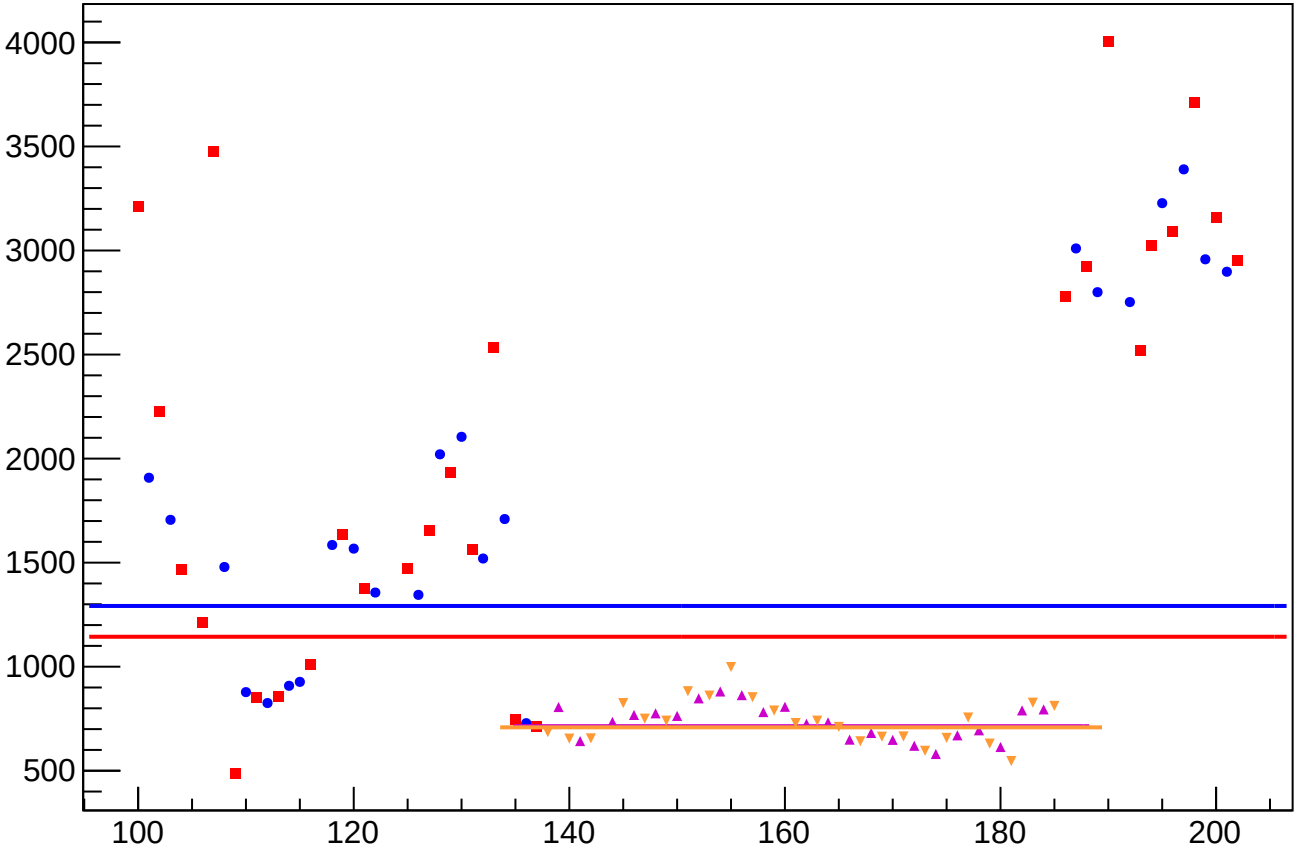
Right: 209.295+/-279.159 χ^2/NDF: 50.5/49

In: 91.082+/-156.228 χ^2/NDF:52.7/45

Out: -370.955+/-152.056 χ^2/NDF:95.3/50

All: -146.188+/-108.965 χ^2/NDF: 152.6/96

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1291.862+/-0.297 χ^2/NDF: 5543672.0/22

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1143.893+/-0.264 χ^2/NDF: 8962687.8/26

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

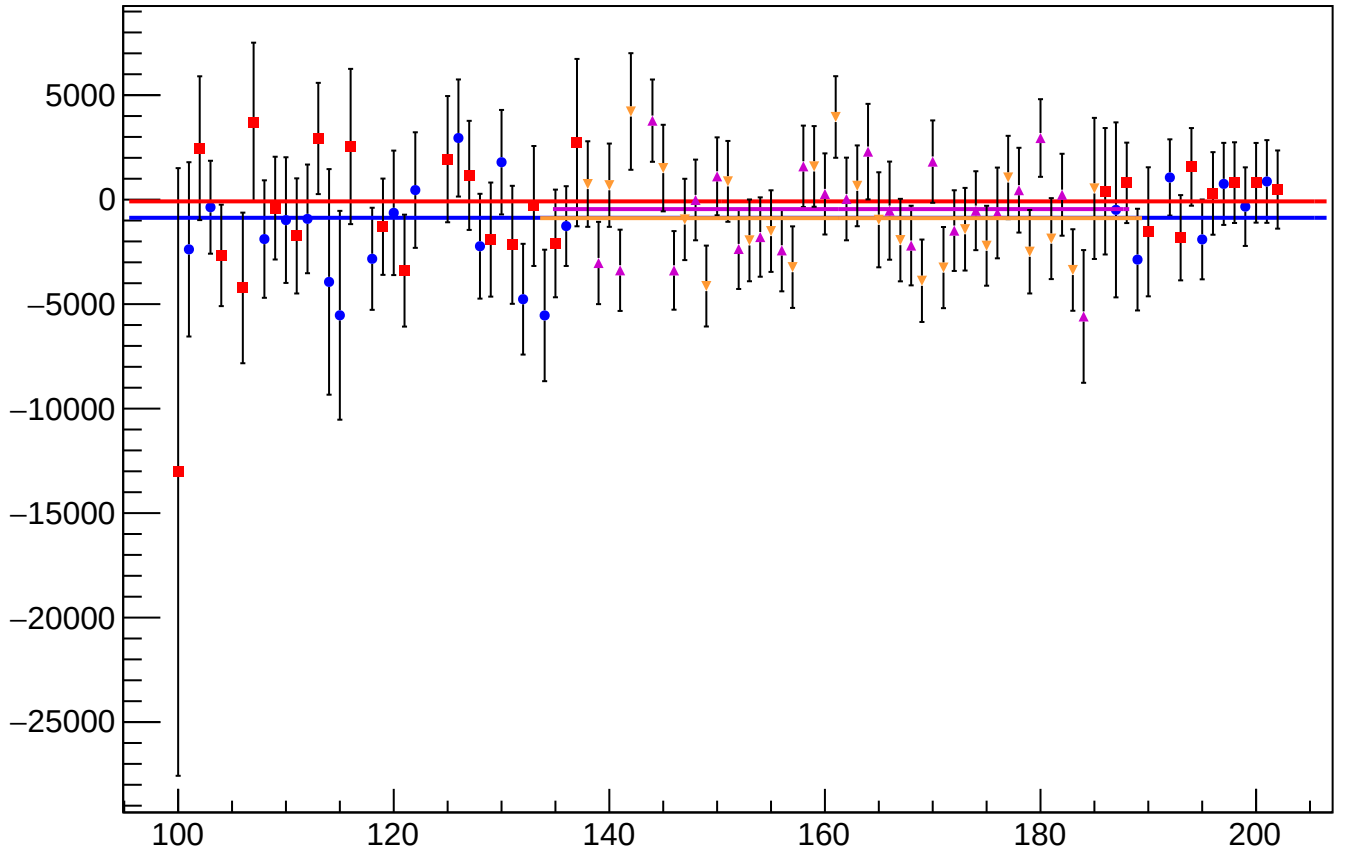
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1209.336+/-0.197 χ^2/NDF: 14644964.9/49

In: 794.189+/-0.110 χ^2/NDF:9304242.4/45

Out: 780.553+/-0.108 χ^2/NDF:11927443.1/50

All: 787.187+/-0.077 χ^2/NDF: 21239510.2/96



Right In: -869.140+/-520.385 χ^2/NDF: 13.7/22

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -83.601+/-488.310 χ^2/NDF: 14.1/26

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

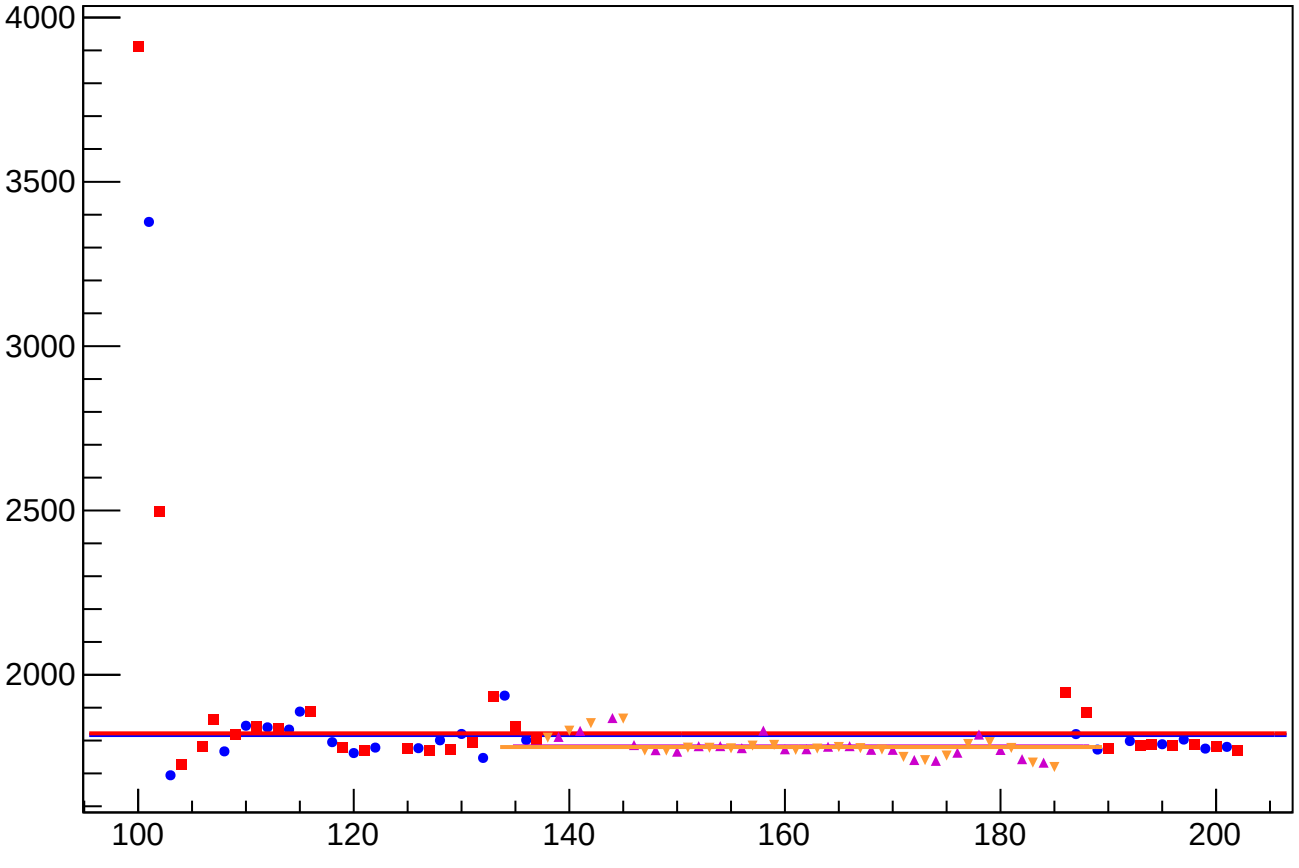
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -451.417+/-356.087 χ^2/NDF: 29.0/49

In: -615.489+/-325.031 χ^2/NDF:39.9/45

Out: -551.373+/-315.439 χ^2/NDF:43.8/50

All: -582.471+/-226.364 χ^2/NDF: 83.7/96



Right In: 1816.738+/-0.368 χ^2/NDF: 296917.7/22

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1821.915+/-0.345 χ^2/NDF: 140420.9/26

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

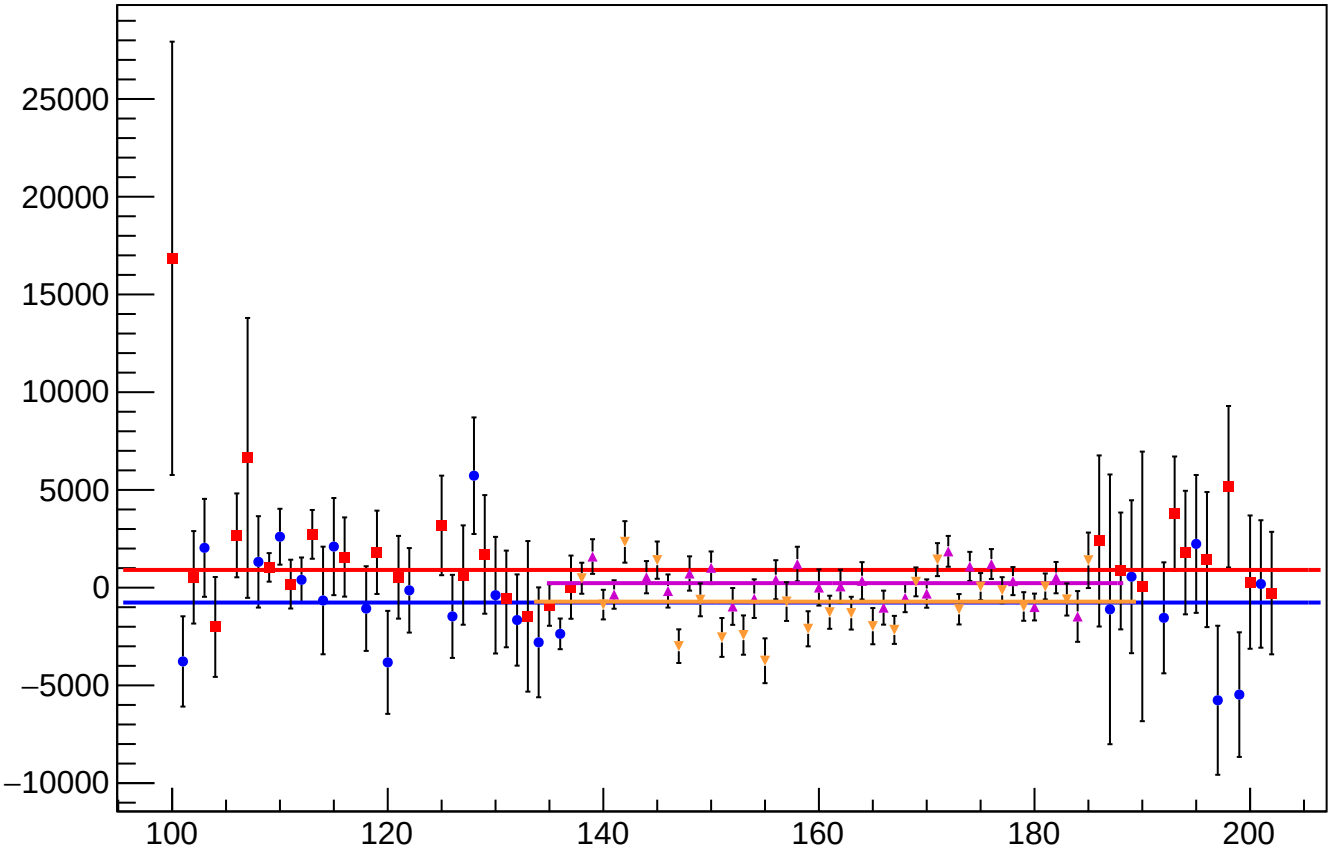
Right: 1819.491+/-0.252 χ^2/NDF: 437443.8/49

In: 1795.734+/-0.230 χ^2/NDF:313492.4/45

Out: 1797.619+/-0.223 χ^2/NDF:159297.6/50

All: 1796.705+/-0.160 χ^2/NDF: 472824.6/96

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -761.888+/-423.276 χ^2/NDF: 27.7/22

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 906.593+/-376.057 χ^2/NDF: 14.7/26

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

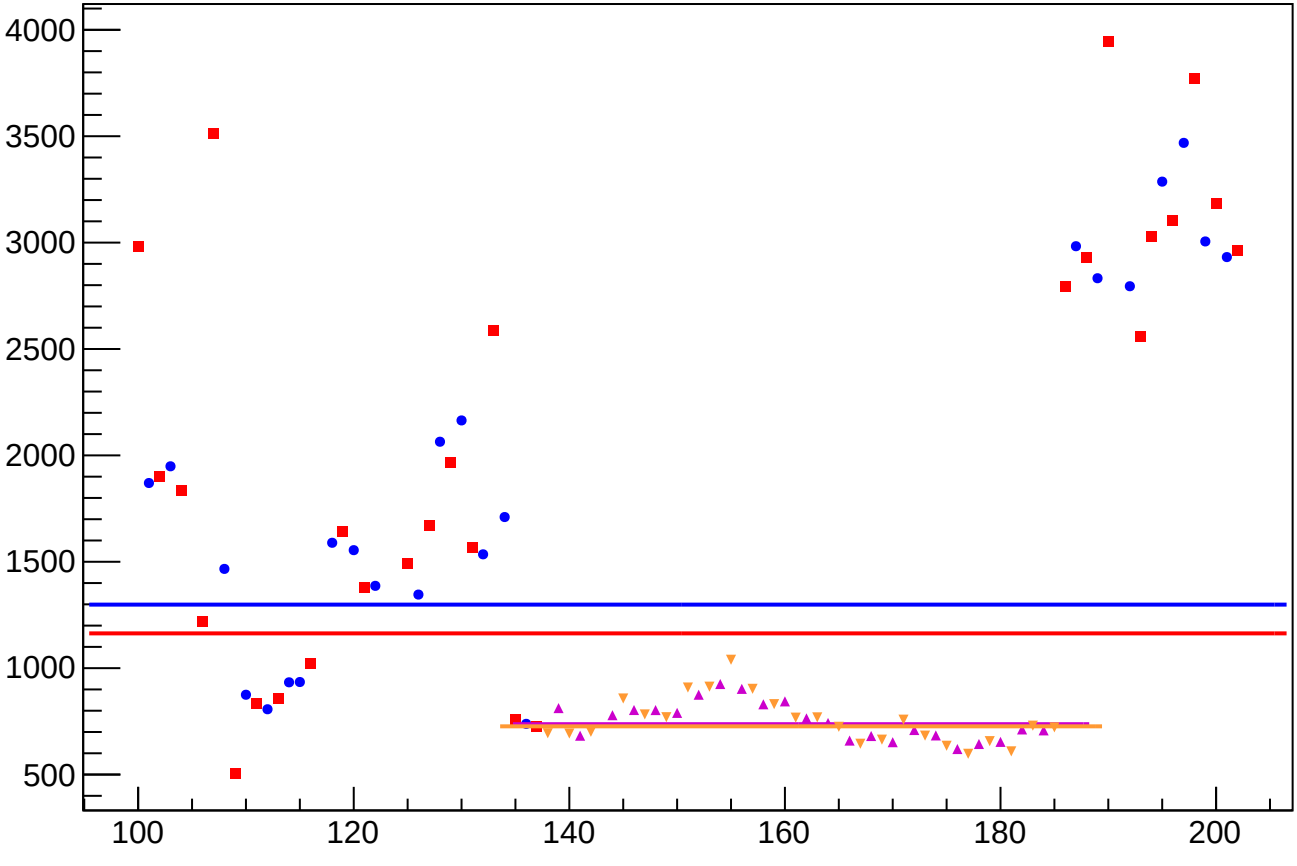
Right: 170.573+/-281.130 χ^2/NDF: 51.1/49

In: 88.540+/-160.486 χ^2/NDF:56.5/45

Out: -439.551+/-155.362 χ^2/NDF:89.5/50

All: -184.070+/-111.625 χ^2/NDF: 151.7/96

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.651+/-0.299 χ^2/NDF: 5674836.2/22

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1163.482+/-0.266 χ^2/NDF: 8879316.3/26

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

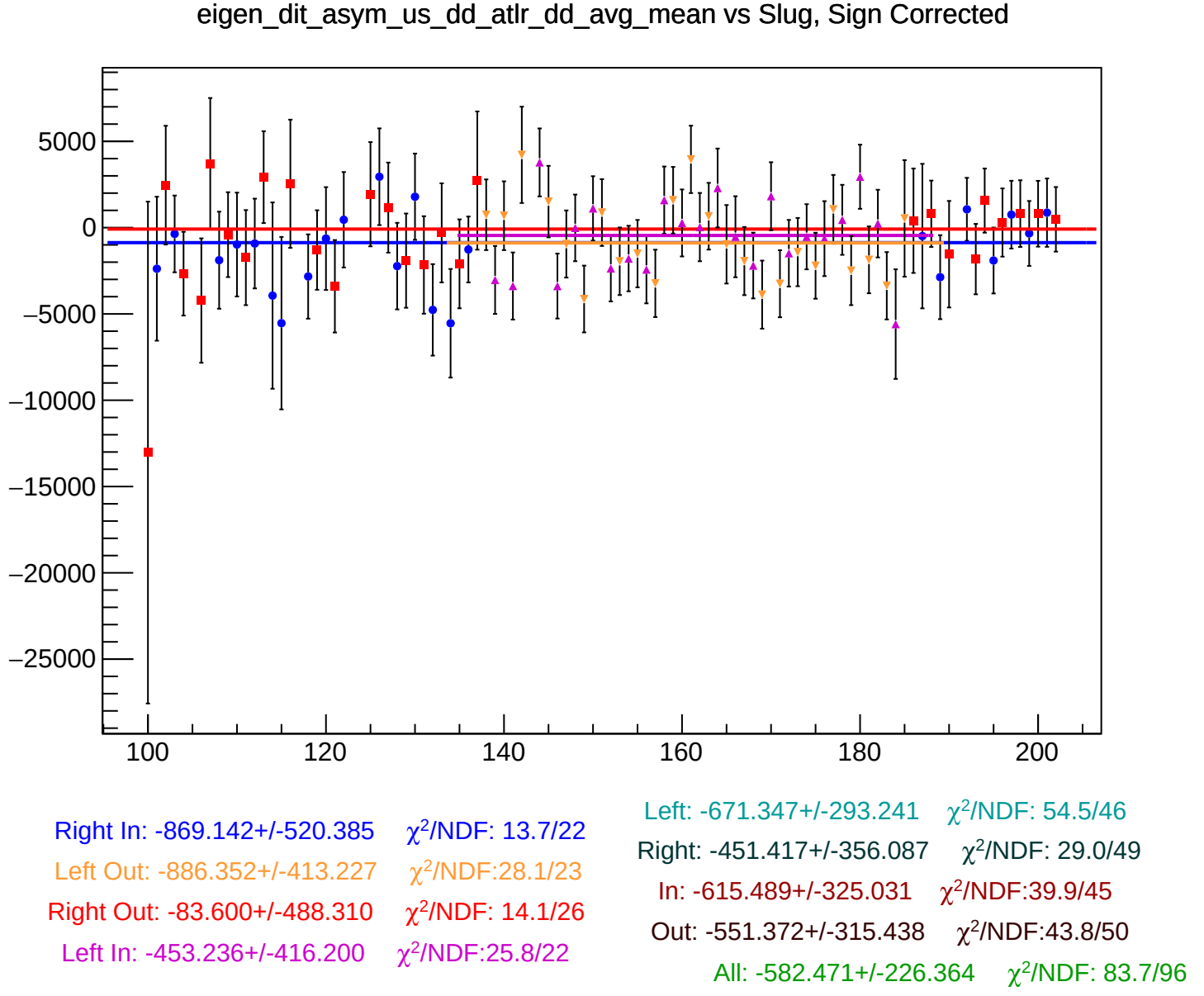
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

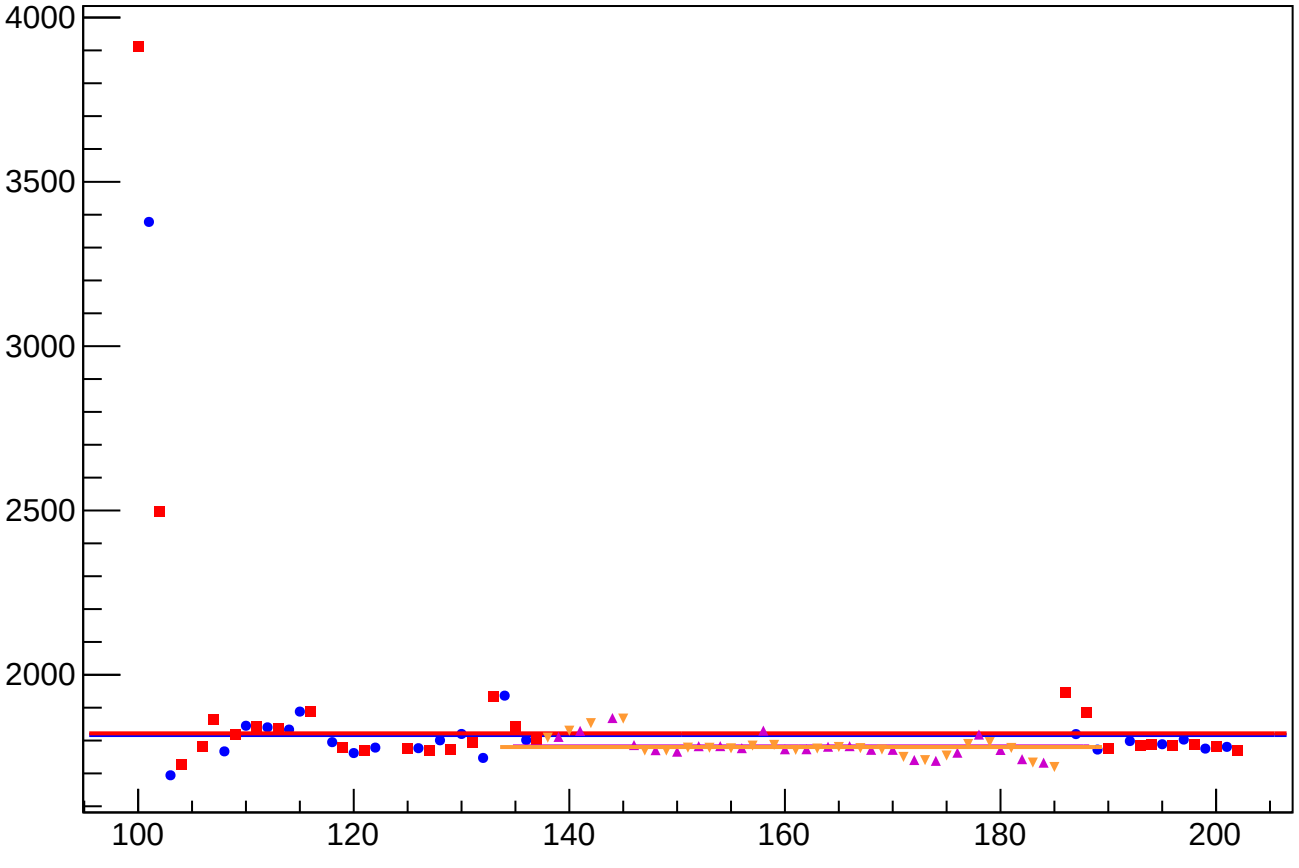
Right: 1223.110+/-0.199 χ^2/NDF: 14668136.0/49

In: 817.492+/-0.113 χ^2/NDF:9158176.6/45

Out: 801.171+/-0.110 χ^2/NDF:11802643.8/50

All: 809.067+/-0.079 χ^2/NDF: 20971497.9/96


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -869.142+/-520.385 χ²/NDF: 13.7/22
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -83.600+/-488.310 χ²/NDF: 14.1/26
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -451.417+/-356.087 χ²/NDF: 29.0/49
In: -615.489+/-325.031 χ²/NDF:39.9/45
Out: -551.372+/-315.438 χ²/NDF:43.8/50
All: -582.471+/-226.364 χ²/NDF: 83.7/96



Right In: 1816.738+/-0.368 χ^2/NDF: 296917.6/22

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1821.915+/-0.345 χ^2/NDF: 140421.0/26

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

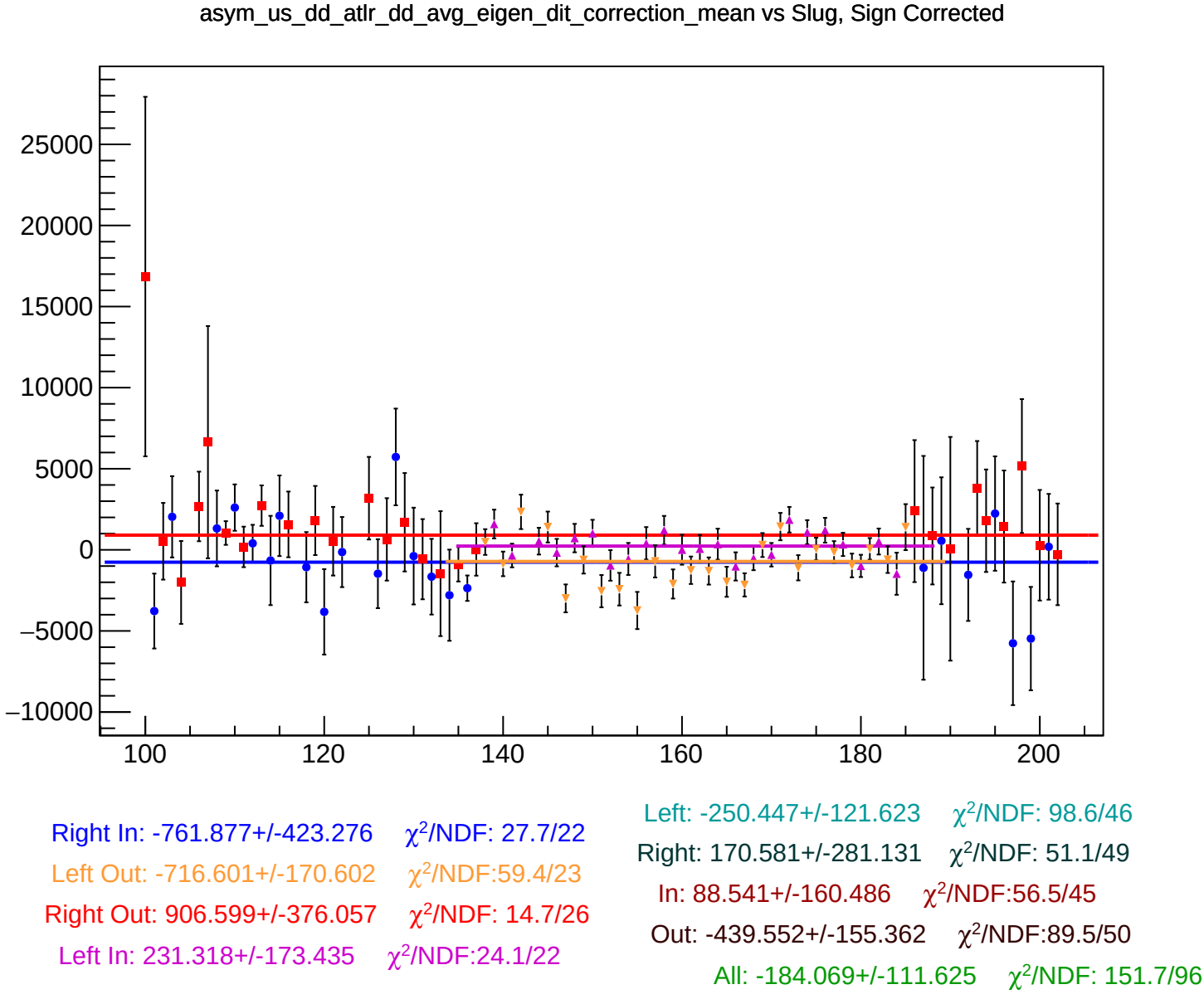
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

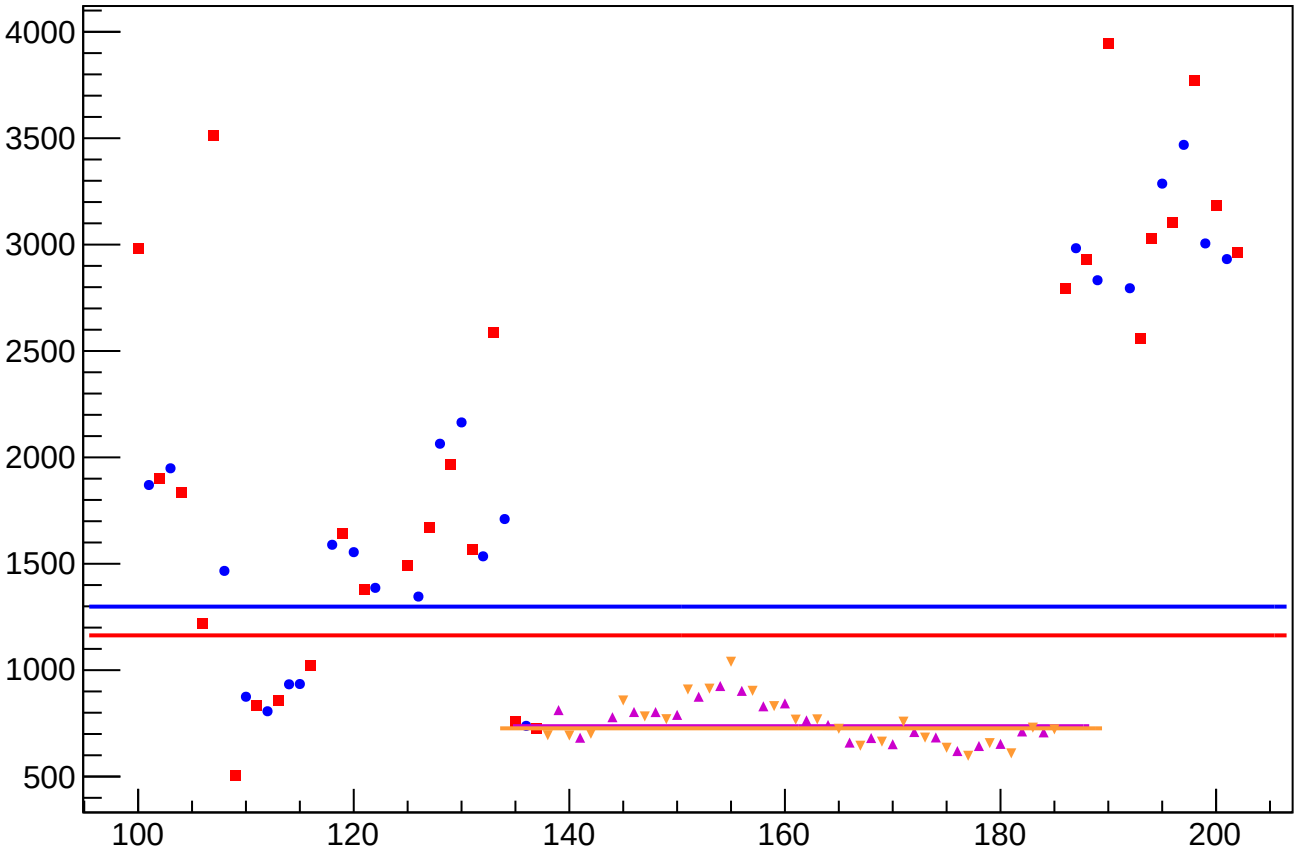
Right: 1819.491+/-0.252 χ^2/NDF: 437443.8/49

In: 1795.734+/-0.230 χ^2/NDF:313492.4/45

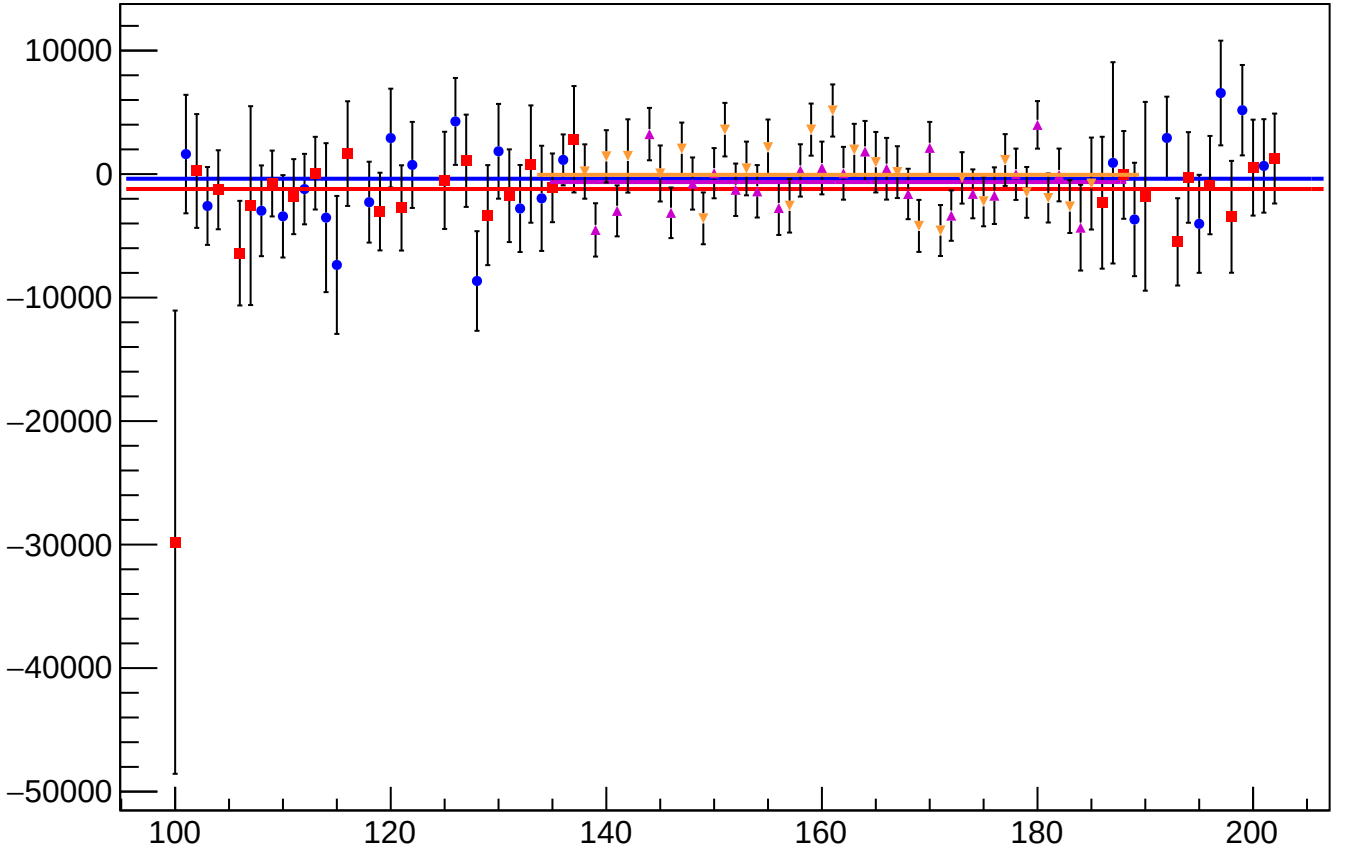
Out: 1797.619+/-0.223 χ^2/NDF:159297.8/50

All: 1796.705+/-0.160 χ^2/NDF: 472824.8/96


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -761.877+/-423.276 χ²/NDF: 27.7/22
Left Out: -716.601+/-170.602 χ²/NDF:59.4/23
Right Out: 906.599+/-376.057 χ²/NDF: 14.7/26
Left In: 231.318+/-173.435 χ²/NDF:24.1/22
Left: -250.447+/-121.623 χ²/NDF: 98.6/46
Right: 170.581+/-281.131 χ²/NDF: 51.1/49
In: 88.541+/-160.486 χ²/NDF:56.5/45
Out: -439.552+/-155.362 χ²/NDF:89.5/50
All: -184.069+/-111.625 χ²/NDF: 151.7/96


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1298.654+/-0.299 χ²/NDF: 5674790.8/22
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 1163.485+/-0.266 χ²/NDF: 8879280.1/26
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
Left: 731.574+/-0.086 χ²/NDF: 1153283.6/46
Right: 1223.112+/-0.199 χ²/NDF: 14668054.7/49
In: 817.492+/-0.113 χ²/NDF:9158175.5/45
Out: 801.172+/-0.110 χ²/NDF:11802622.8/50
All: 809.067+/-0.079 χ²/NDF: 20971474.7/96

asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected



Right In: -376.547+/-761.311 χ^2/NDF: 19.9/22

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1207.989+/-733.381 χ^2/NDF: 9.6/26

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

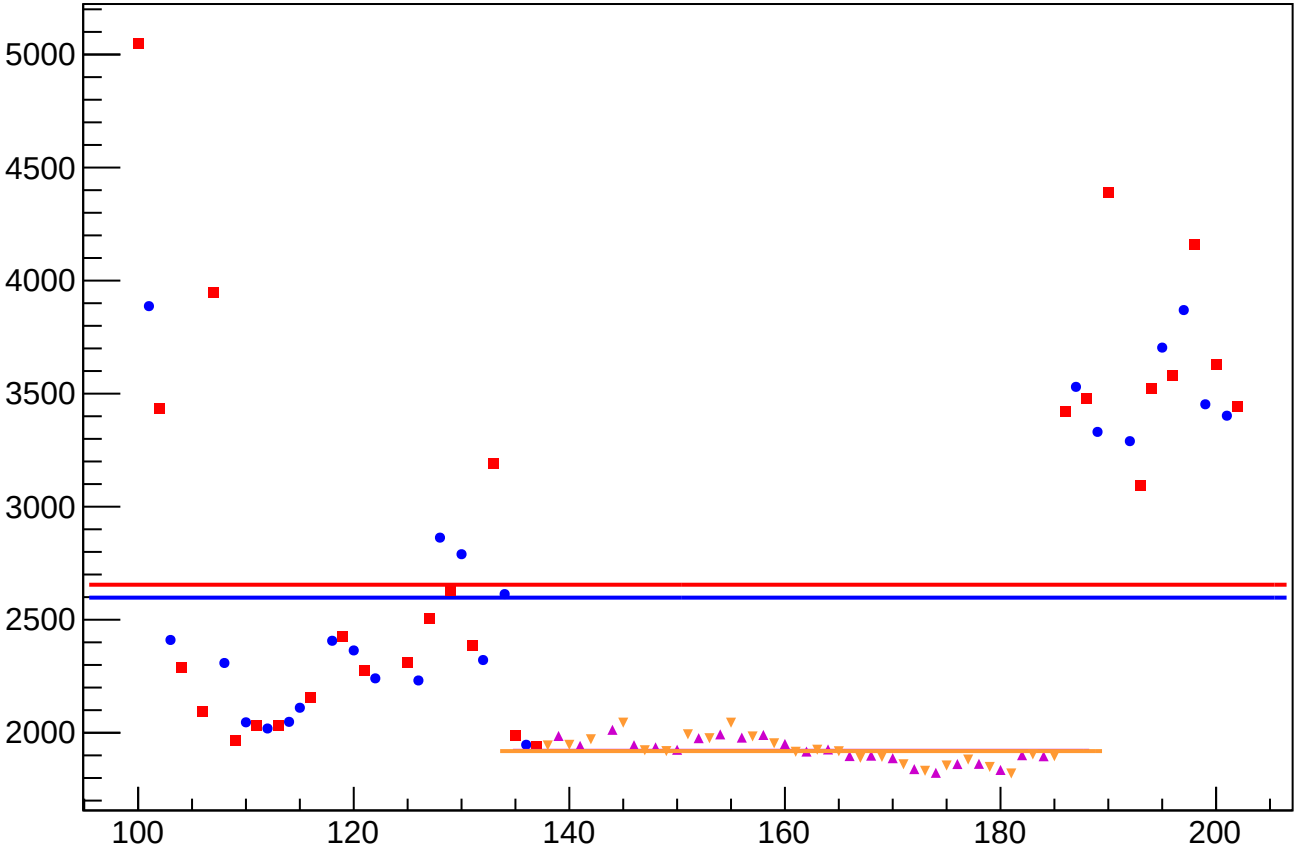
Right: -807.799+/-528.177 χ^2/NDF: 30.1/49

In: -577.244+/-386.453 χ^2/NDF:43.6/45

Out: -369.236+/-380.817 χ^2/NDF:44.3/50

All: -471.712+/-271.249 χ^2/NDF: 88.1/96

asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2597.733+/-0.538 χ^2/NDF: 1312151.3/22

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2654.853+/-0.519 χ^2/NDF: 1741209.5/26

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

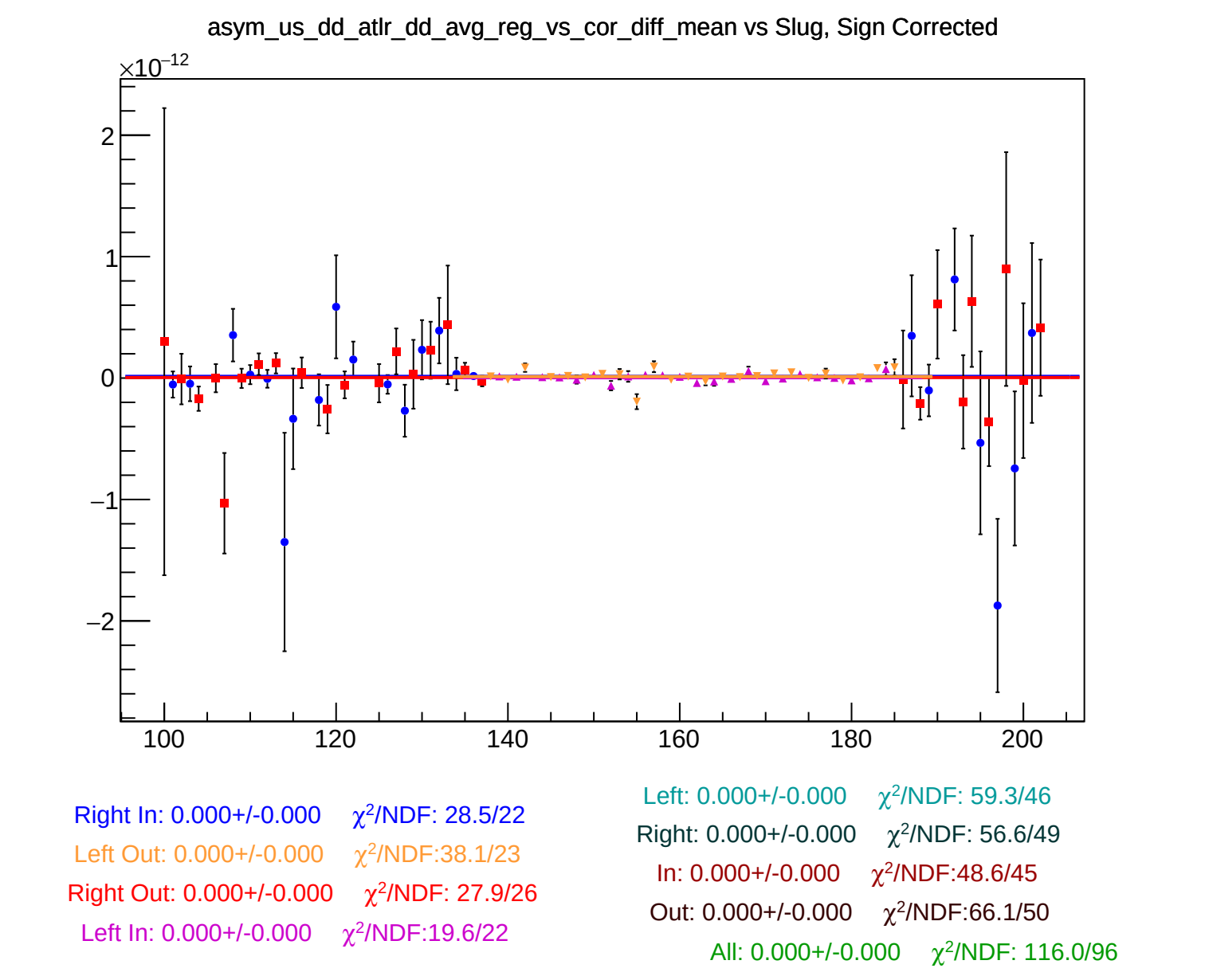
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

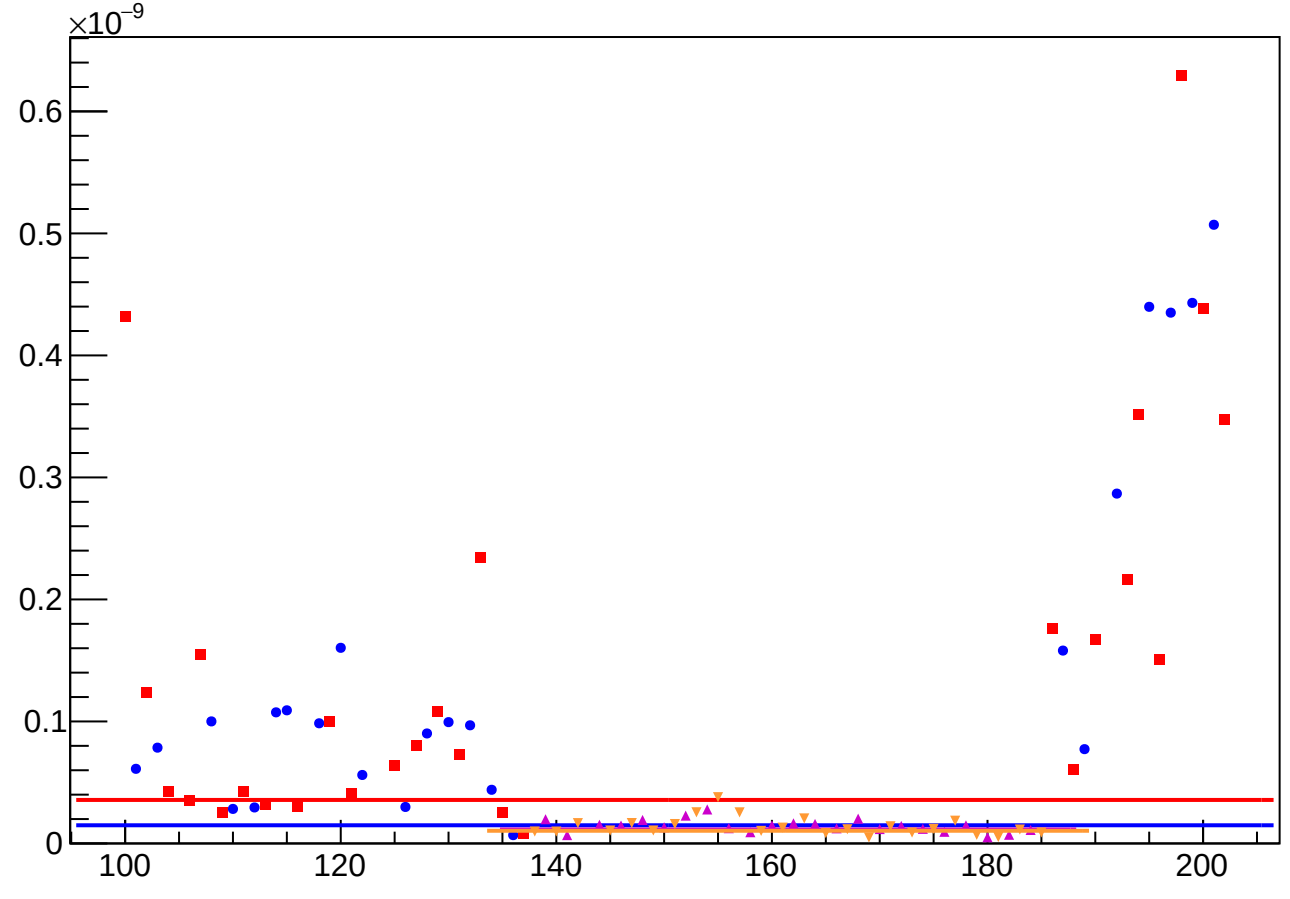
Right: 2627.360+/-0.373 χ^2/NDF: 3059200.5/49

In: 2094.794+/-0.273 χ^2/NDF:2517893.4/45

Out: 2117.395+/-0.269 χ^2/NDF:3247493.2/50

All: 2106.260+/-0.192 χ^2/NDF: 5768857.2/96


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 28.5/22
Left Out: 0.000+/-0.000 χ²/NDF:38.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.9/26
Left In: 0.000+/-0.000 χ²/NDF:19.6/22
Left: 0.000+/-0.000 χ²/NDF: 59.3/46
Right: 0.000+/-0.000 χ²/NDF: 56.6/49
In: 0.000+/-0.000 χ²/NDF:48.6/45
Out: 0.000+/-0.000 χ²/NDF:66.1/50
All: 0.000+/-0.000 χ²/NDF: 116.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 7732548.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6427457.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

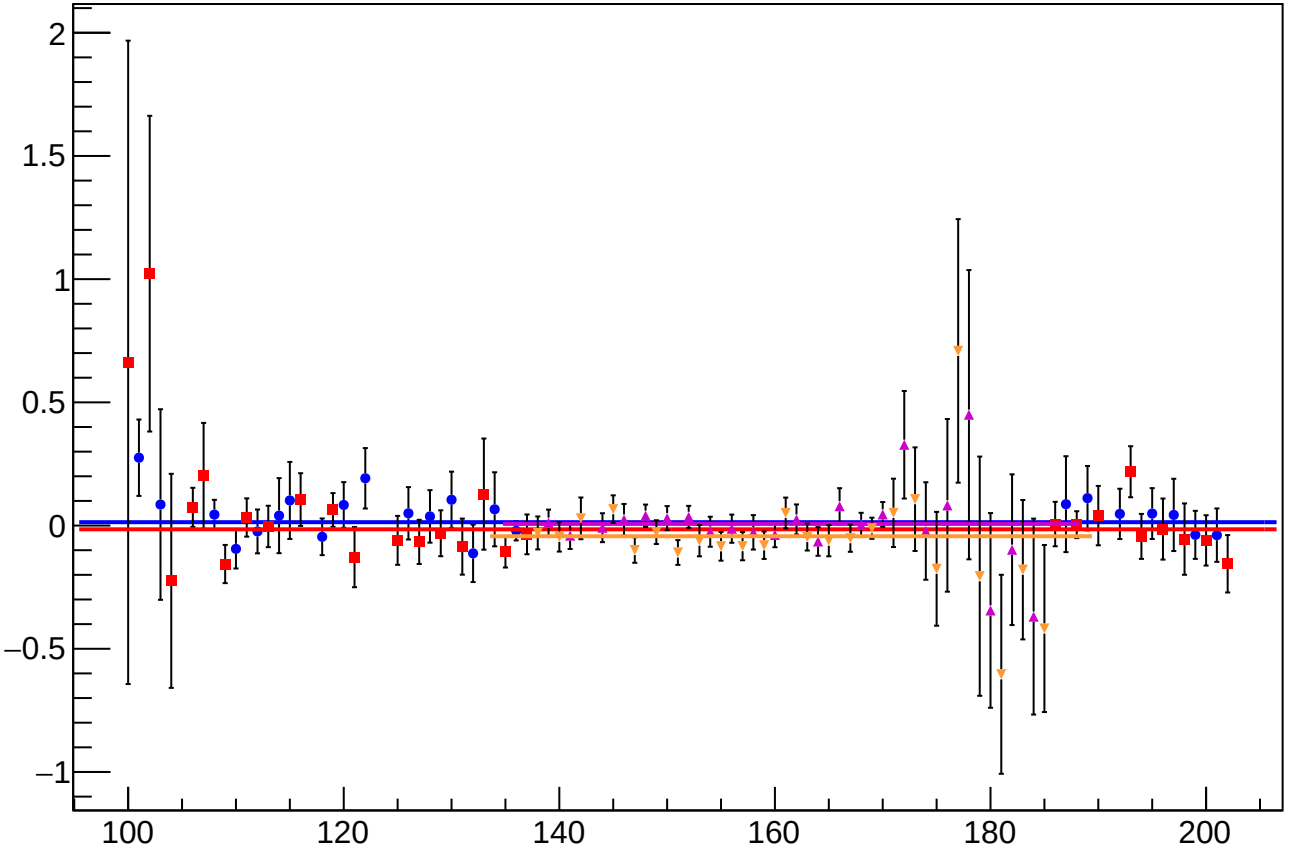
Right: 0.000+/-0.000 χ^2/NDF: 15317081.3/49

In: 0.000+/-0.000 χ^2/NDF:9734961.1/45

Out: 0.000+/-0.000 χ^2/NDF:10725835.8/50

All: 0.000+/-0.000 χ^2/NDF: 20470473.3/96

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

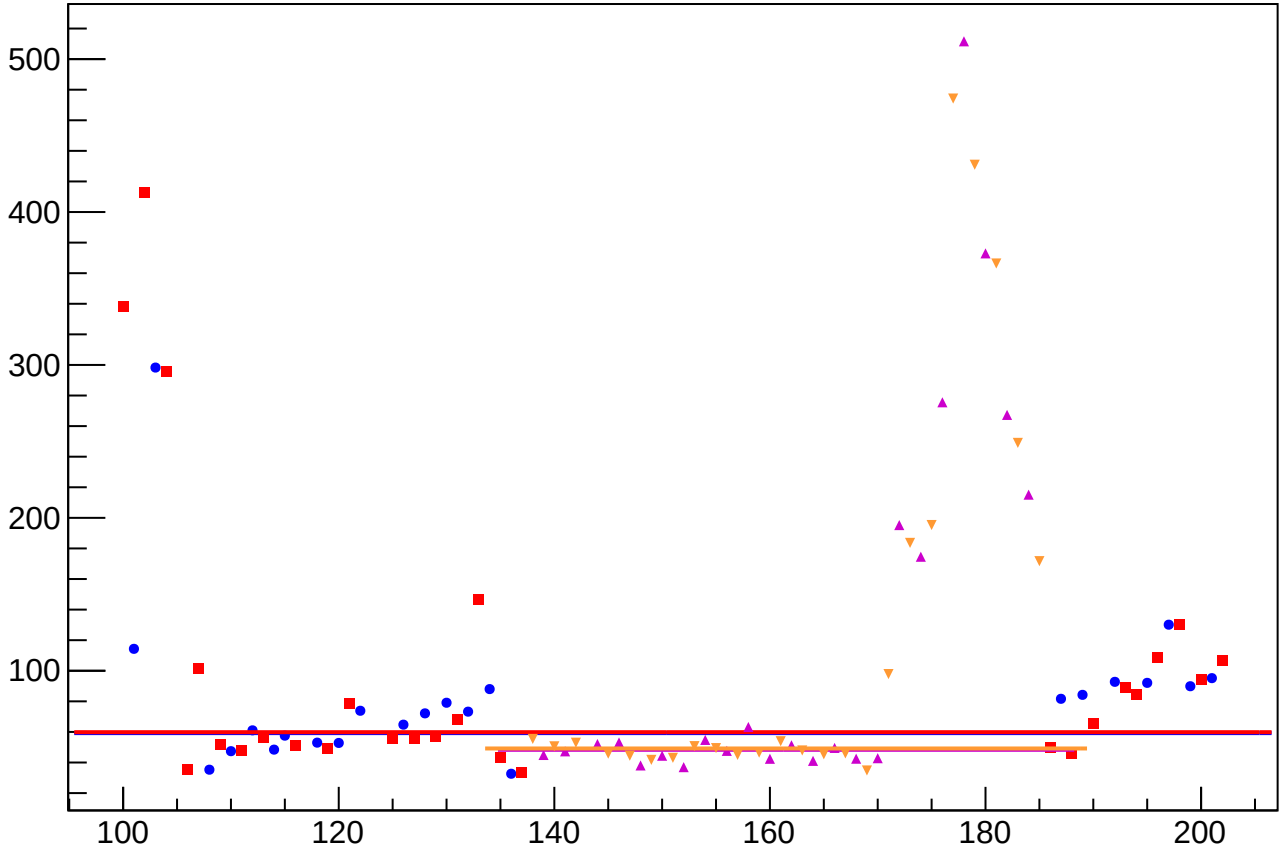
Right: -0.002+/-0.013 χ^2/NDF: 37.7/49

In: 0.009+/-0.011 χ^2/NDF:24.6/45

Out: -0.033+/-0.011 χ^2/NDF:43.7/50

All: -0.012+/-0.008 χ^2/NDF: 75.5/96

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.230+/-0.014 χ^2/NDF: 3978345.6/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 59.837+/-0.013 χ^2/NDF: 4198956.1/26

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

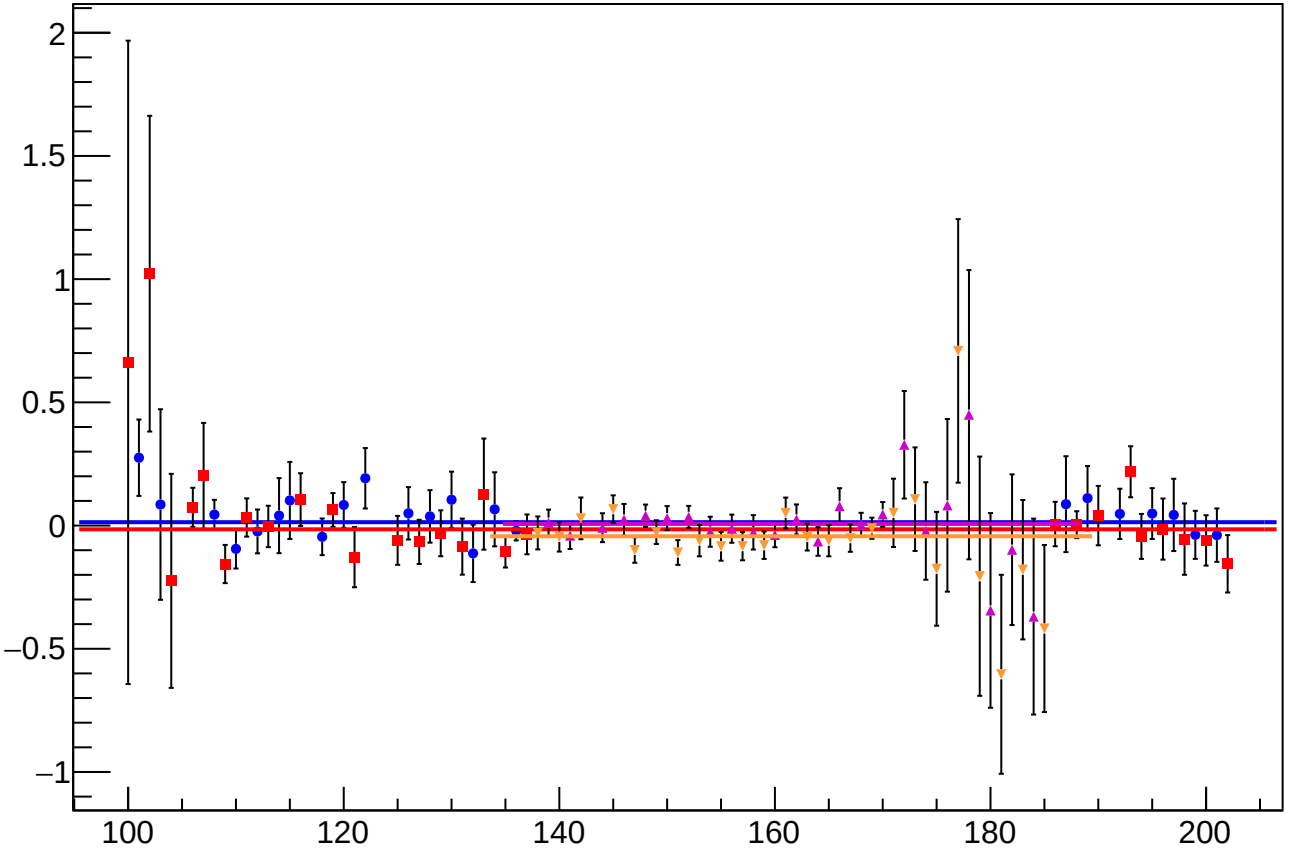
Right: 59.550+/-0.010 χ^2/NDF: 8178314.2/49

In: 51.828+/-0.008 χ^2/NDF:11439708.6/45

Out: 53.004+/-0.008 χ^2/NDF:11870622.2/50

All: 52.416+/-0.006 χ^2/NDF: 23321493.3/96

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

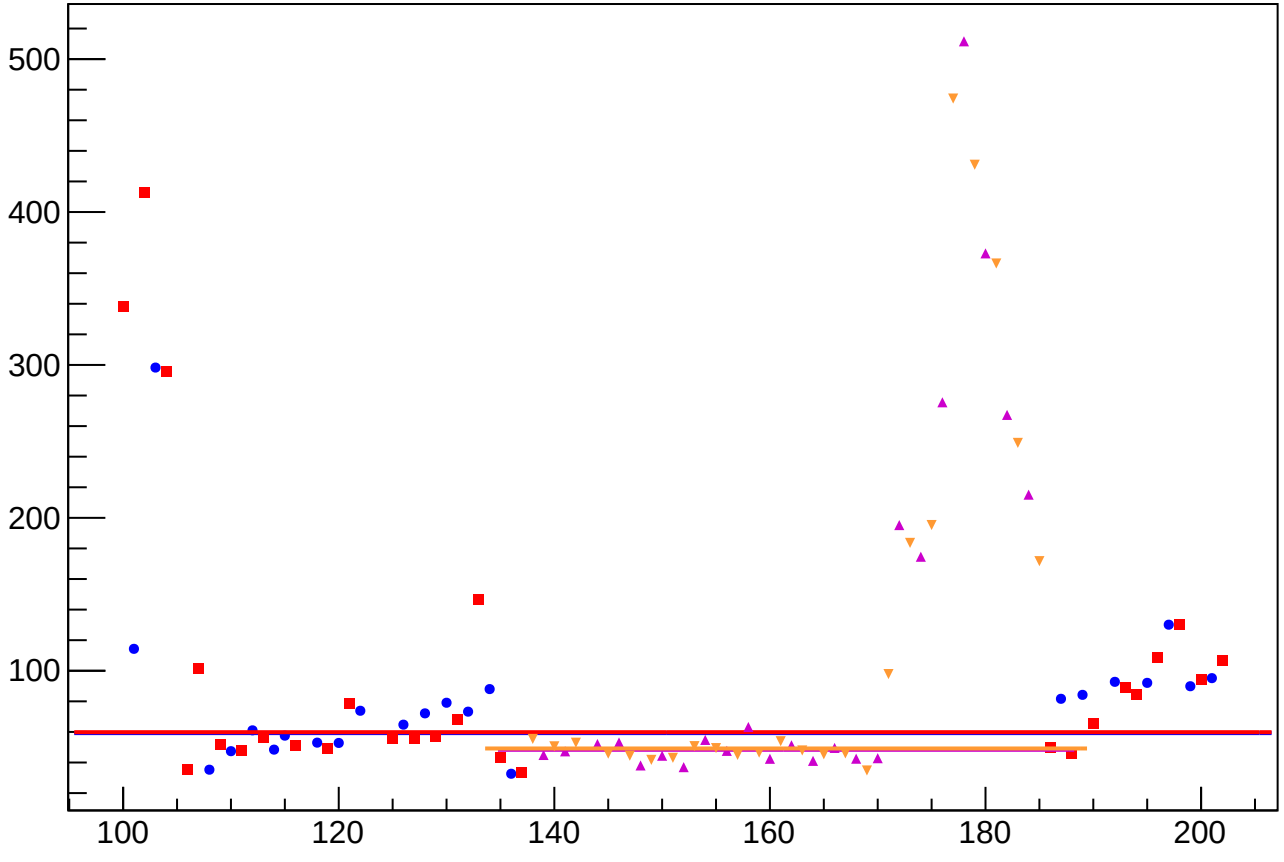
Right: -0.002+/-0.013 χ^2/NDF: 37.7/49

In: 0.009+/-0.011 χ^2/NDF:24.6/45

Out: -0.033+/-0.011 χ^2/NDF:43.7/50

All: -0.012+/-0.008 χ^2/NDF: 75.5/96

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.230+/-0.014 χ^2/NDF: 3978345.6/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 59.837+/-0.013 χ^2/NDF: 4198956.1/26

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

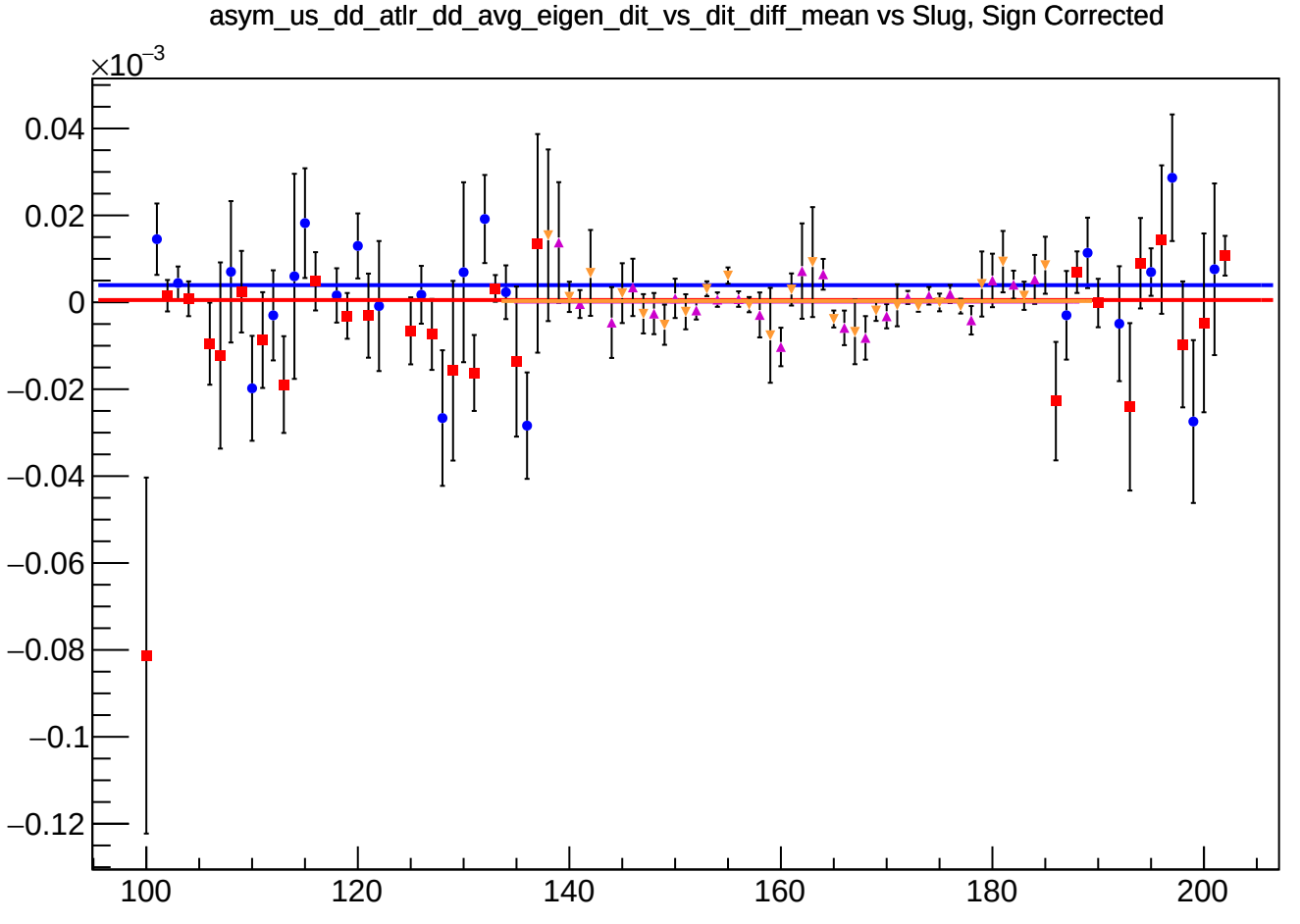
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 59.550+/-0.010 χ^2/NDF: 8178314.2/49

In: 51.828+/-0.008 χ^2/NDF:11439708.6/45

Out: 53.004+/-0.008 χ^2/NDF:11870622.2/50

All: 52.416+/-0.006 χ^2/NDF: 23321493.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/26

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

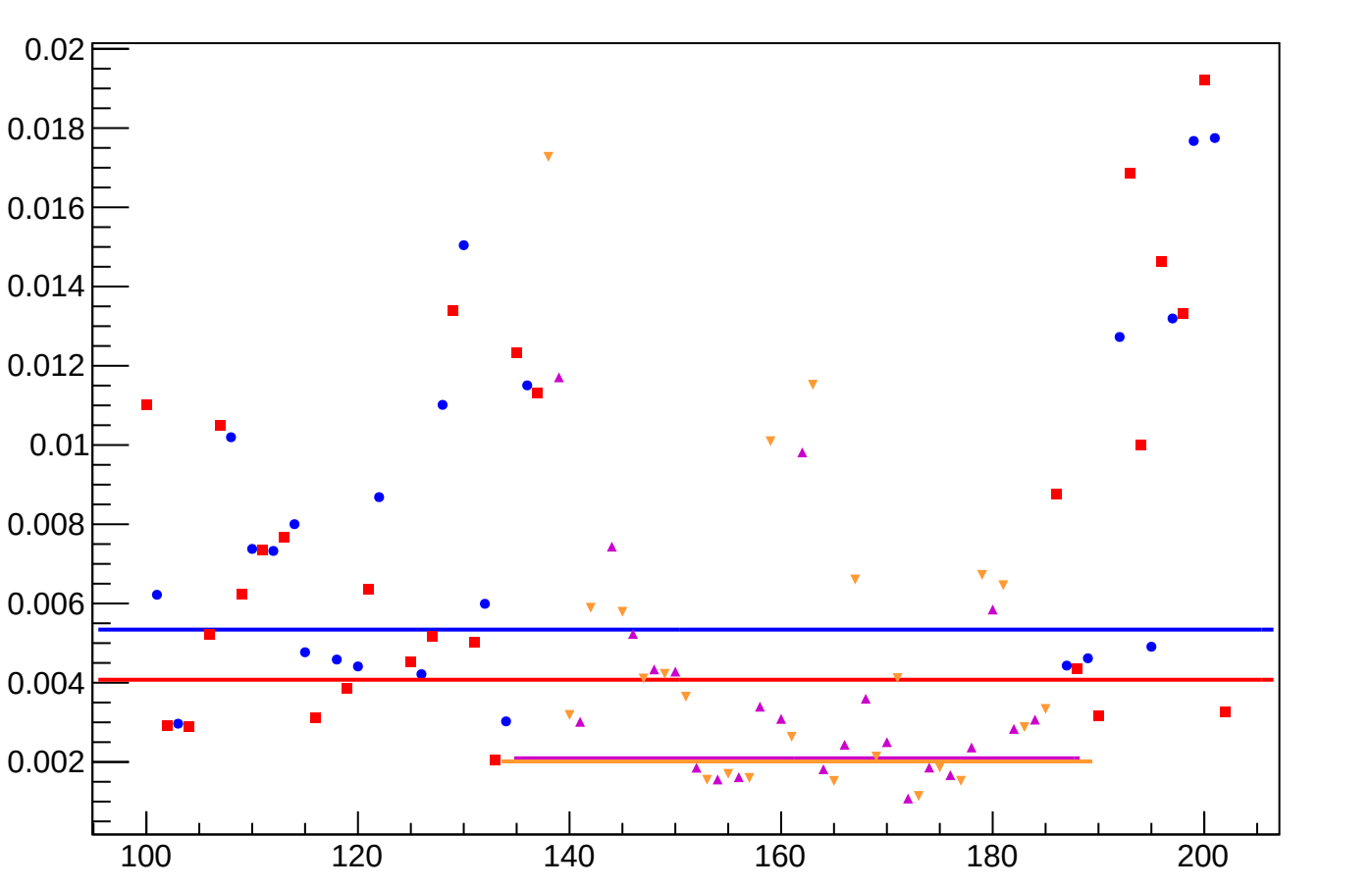
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 63.8/49

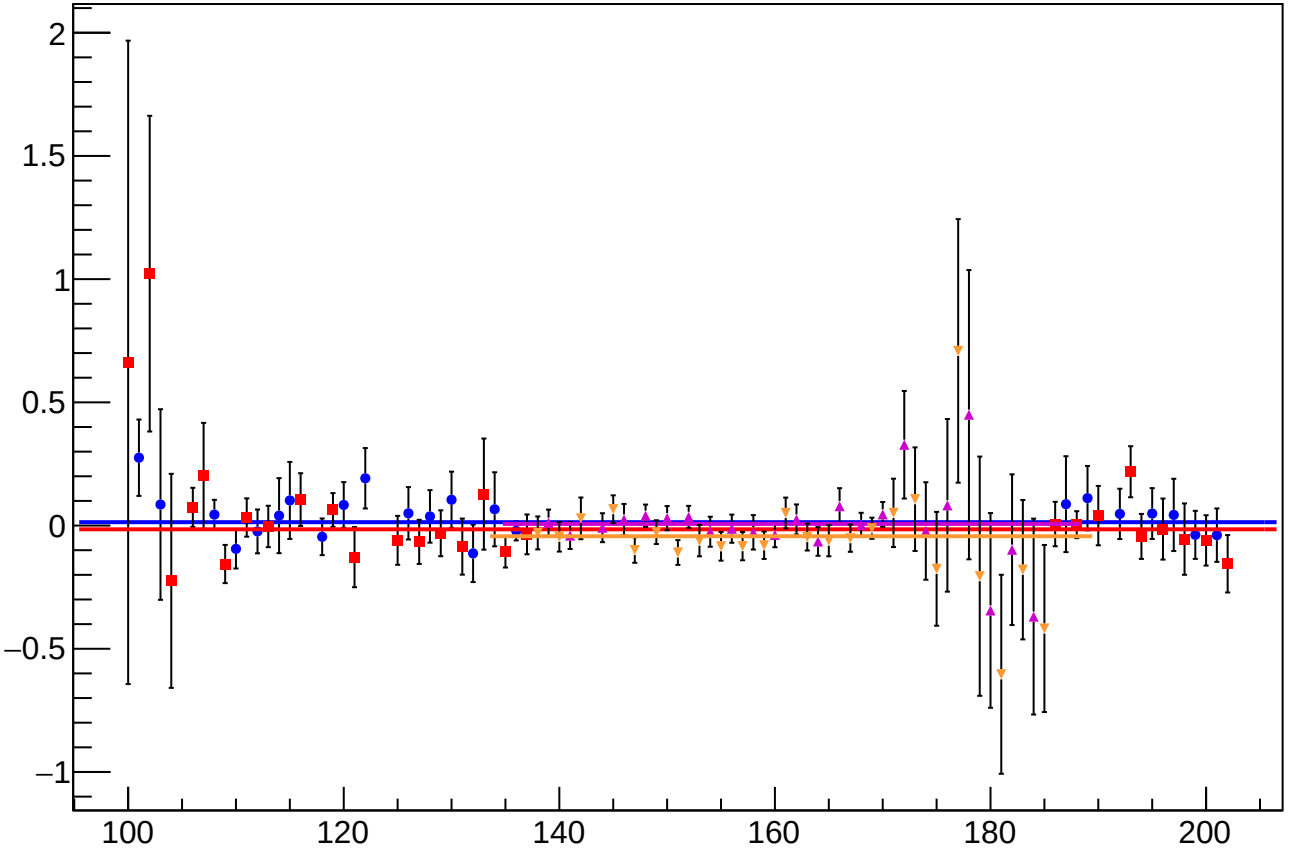
In: 0.000+/-0.000 χ^2/NDF:59.3/45

Out: 0.000+/-0.000 χ^2/NDF:60.2/50

All: 0.000+/-0.000 χ^2/NDF: 119.6/96


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.005+/-0.000 χ²/NDF: 5758525.9/22
Left Out: 0.002+/-0.000 χ²/NDF:10262318.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 7804520.5/26
Left In: 0.002+/-0.000 χ²/NDF:7141979.6/22
Left: 0.002+/-0.000 χ²/NDF: 17422562.9/46
Right: 0.005+/-0.000 χ²/NDF: 14195108.4/49
In: 0.002+/-0.000 χ²/NDF:18688847.6/45
Out: 0.002+/-0.000 χ²/NDF:22098711.2/50
All: 0.002+/-0.000 χ²/NDF: 40817599.9/96

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

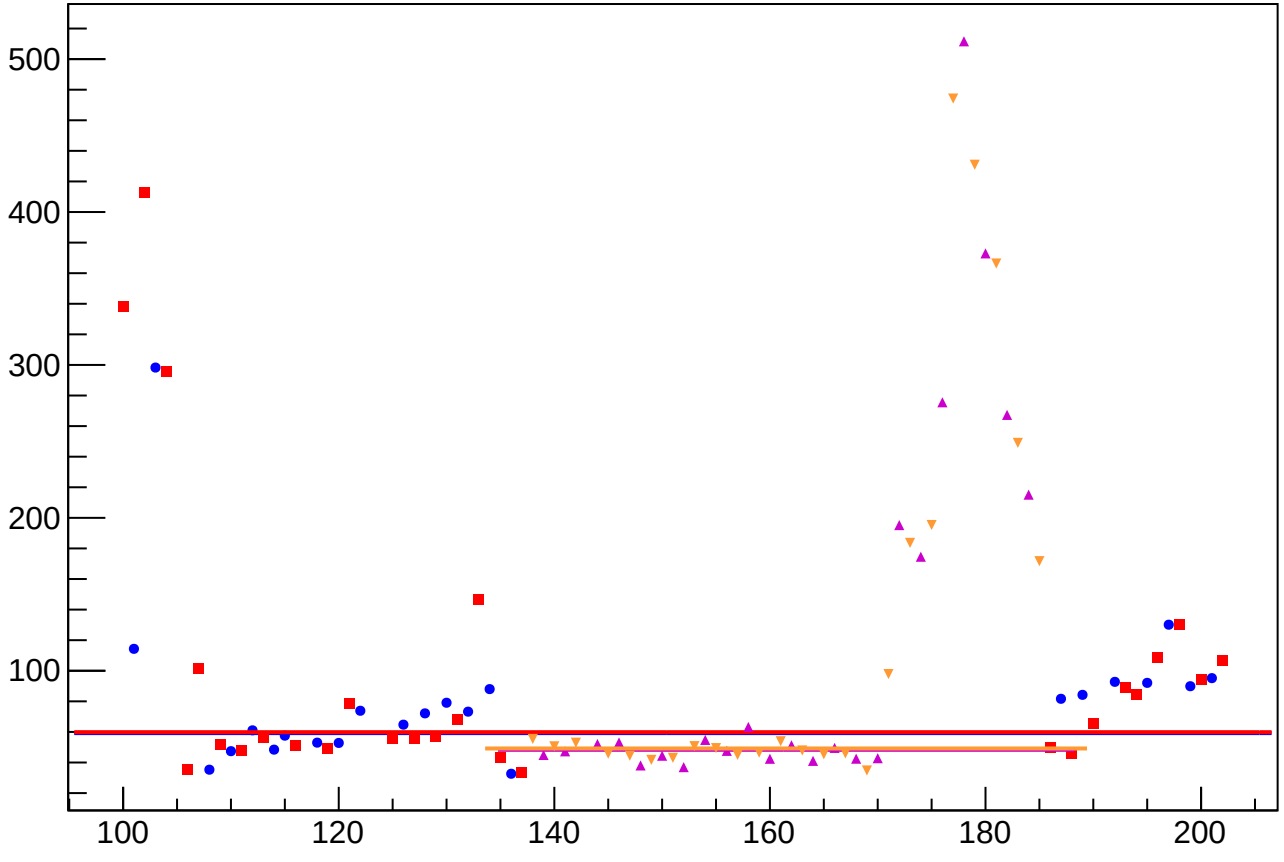
Right: -0.002+/-0.013 χ^2/NDF: 37.7/49

In: 0.009+/-0.011 χ^2/NDF:24.6/45

Out: -0.033+/-0.011 χ^2/NDF:43.7/50

All: -0.012+/-0.008 χ^2/NDF: 75.5/96

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.230+/-0.014 χ^2/NDF: 3978197.4/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 59.838+/-0.013 χ^2/NDF: 4198814.0/26

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

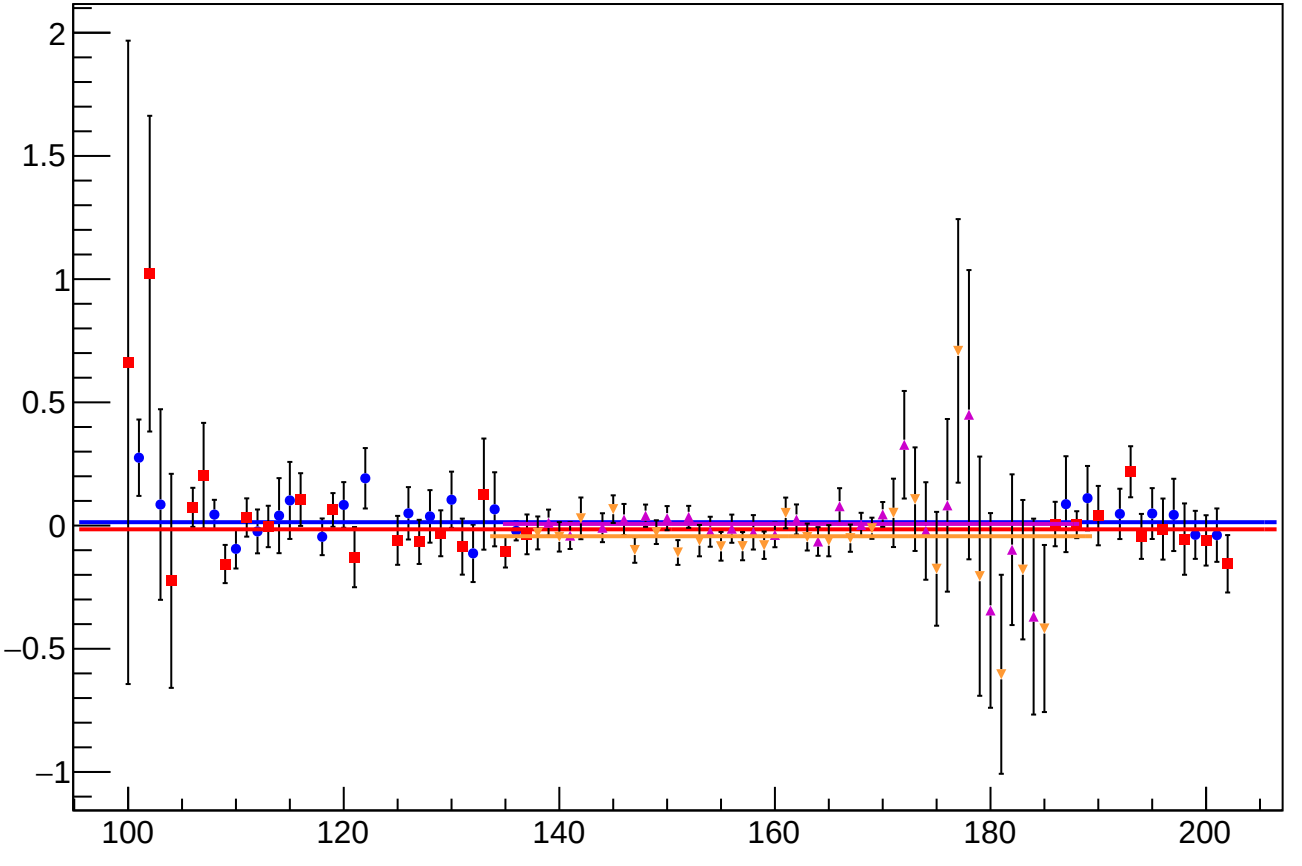
Right: 59.550+/-0.010 χ^2/NDF: 8178024.6/49

In: 51.829+/-0.008 χ^2/NDF:11439494.1/45

Out: 53.004+/-0.008 χ^2/NDF:11870570.5/50

All: 52.416+/-0.006 χ^2/NDF: 23321220.4/96

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

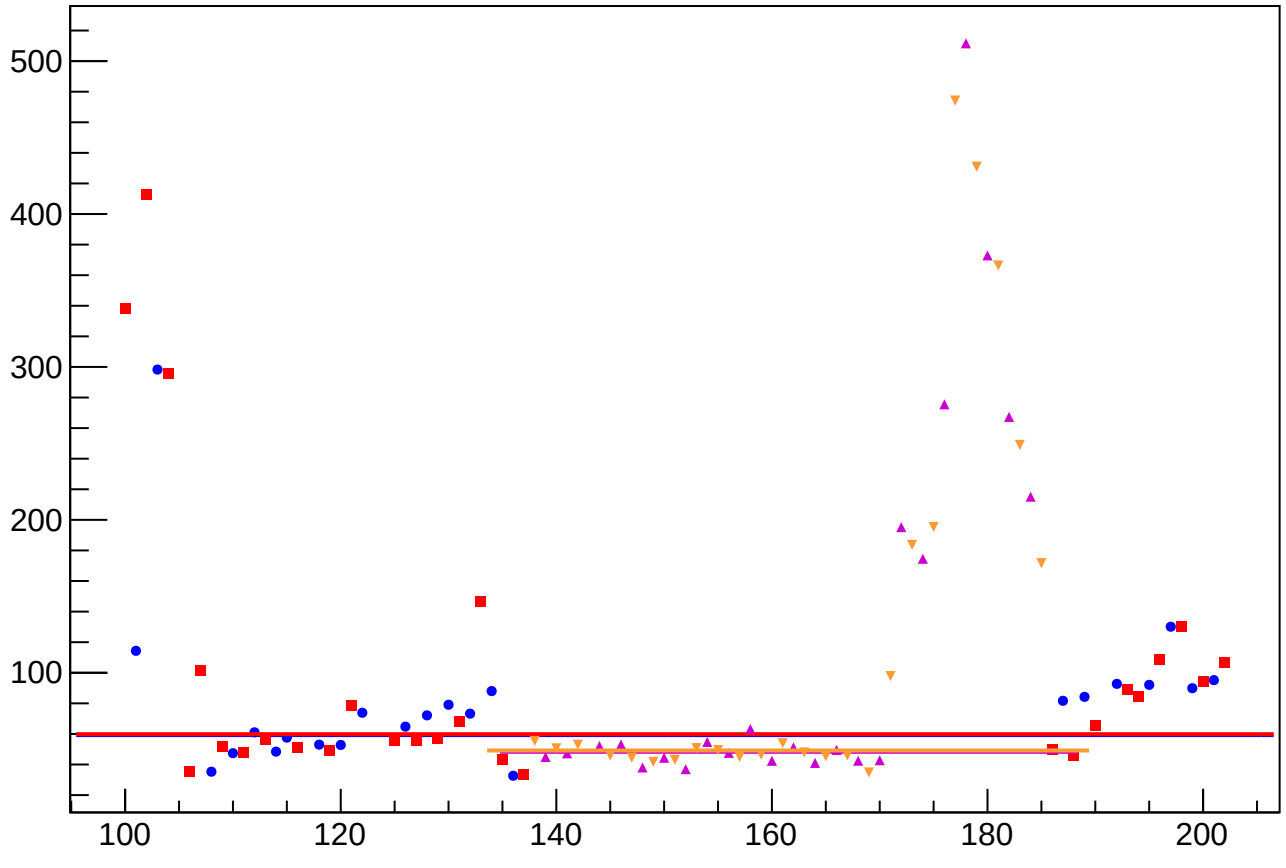
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.002+/-0.013 χ^2/NDF: 37.7/49

In: 0.009+/-0.011 χ^2/NDF:24.6/45

Out: -0.033+/-0.011 χ^2/NDF:43.7/50

All: -0.012+/-0.008 χ^2/NDF: 75.5/96



Right In: 59.230+/-0.014 χ^2/NDF: 3978197.4/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 59.838+/-0.013 χ^2/NDF: 4198814.0/26

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

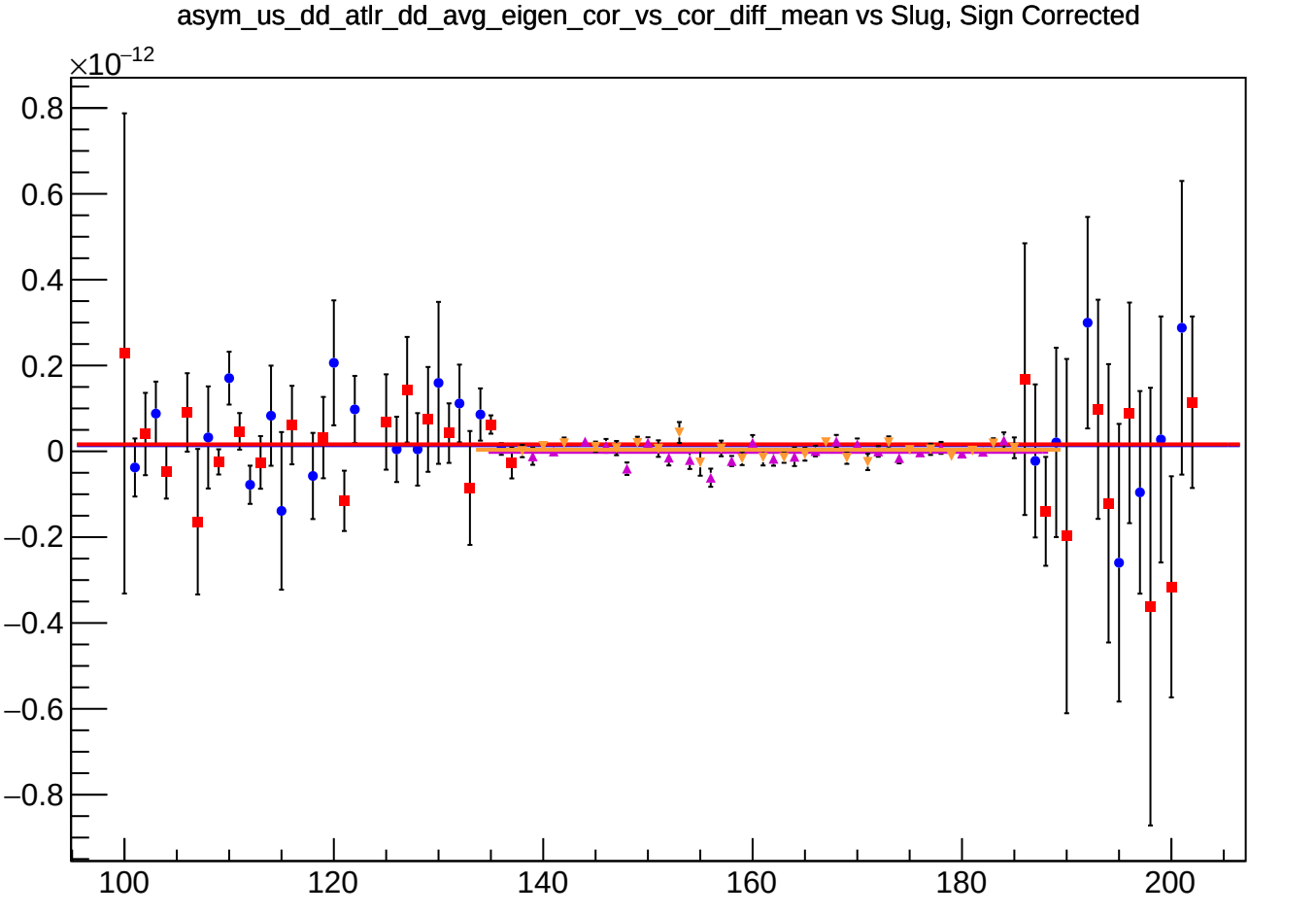
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

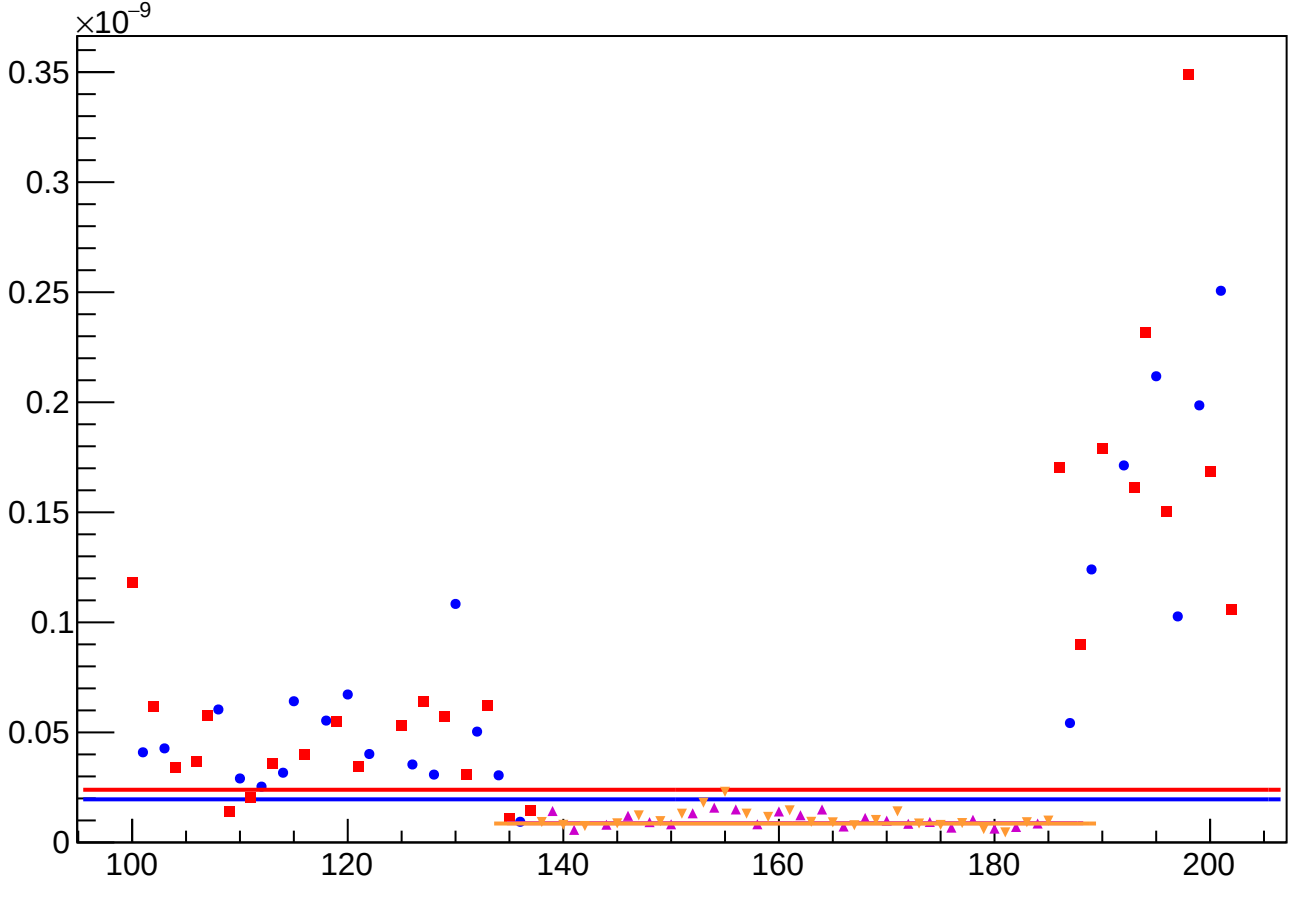
Right: 59.550+/-0.010 χ^2/NDF: 8178024.6/49

In: 51.829+/-0.008 χ^2/NDF:11439494.1/45

Out: 53.004+/-0.008 χ^2/NDF:11870570.5/50

All: 52.416+/-0.006 χ^2/NDF: 23321220.4/96


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
Right In: 0.000+/-0.000 χ²/NDF: 23.3/22
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.9/26
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: 46.2/49
In: -0.000+/-0.000 χ²/NDF:65.1/45
Out: 0.000+/-0.000 χ²/NDF:48.4/50
All: 0.000+/-0.000 χ²/NDF: 115.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 7371147.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7637127.7/26

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

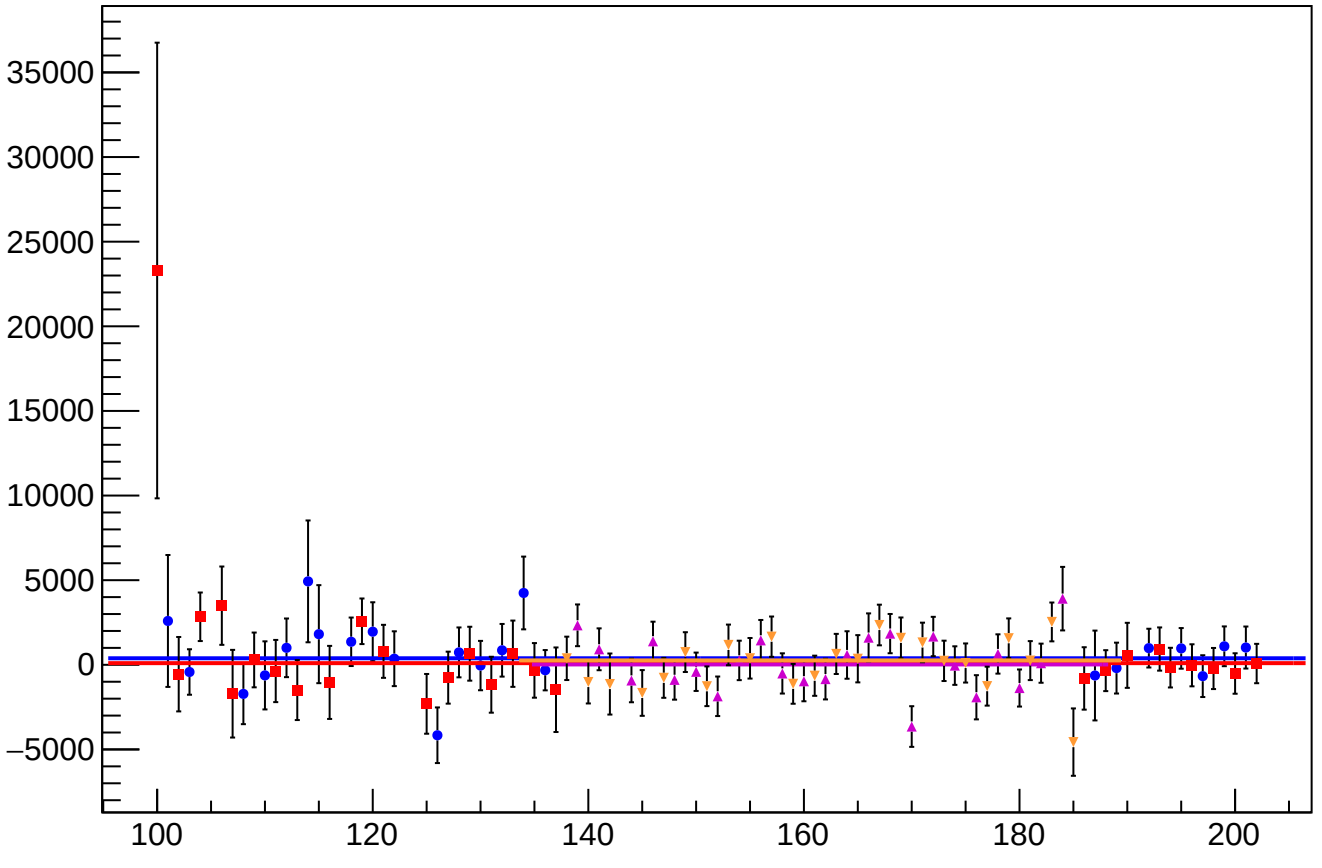
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 15144087.0/49

In: 0.000+/-0.000 χ^2/NDF:11079529.4/45

Out: 0.000+/-0.000 χ^2/NDF:13073086.0/50

All: 0.000+/-0.000 χ^2/NDF: 24153372.4/96



Right In: 385.959+/-322.476 χ^2/NDF: 19.2/22

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 98.504+/-303.273 χ^2/NDF: 18.8/26

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

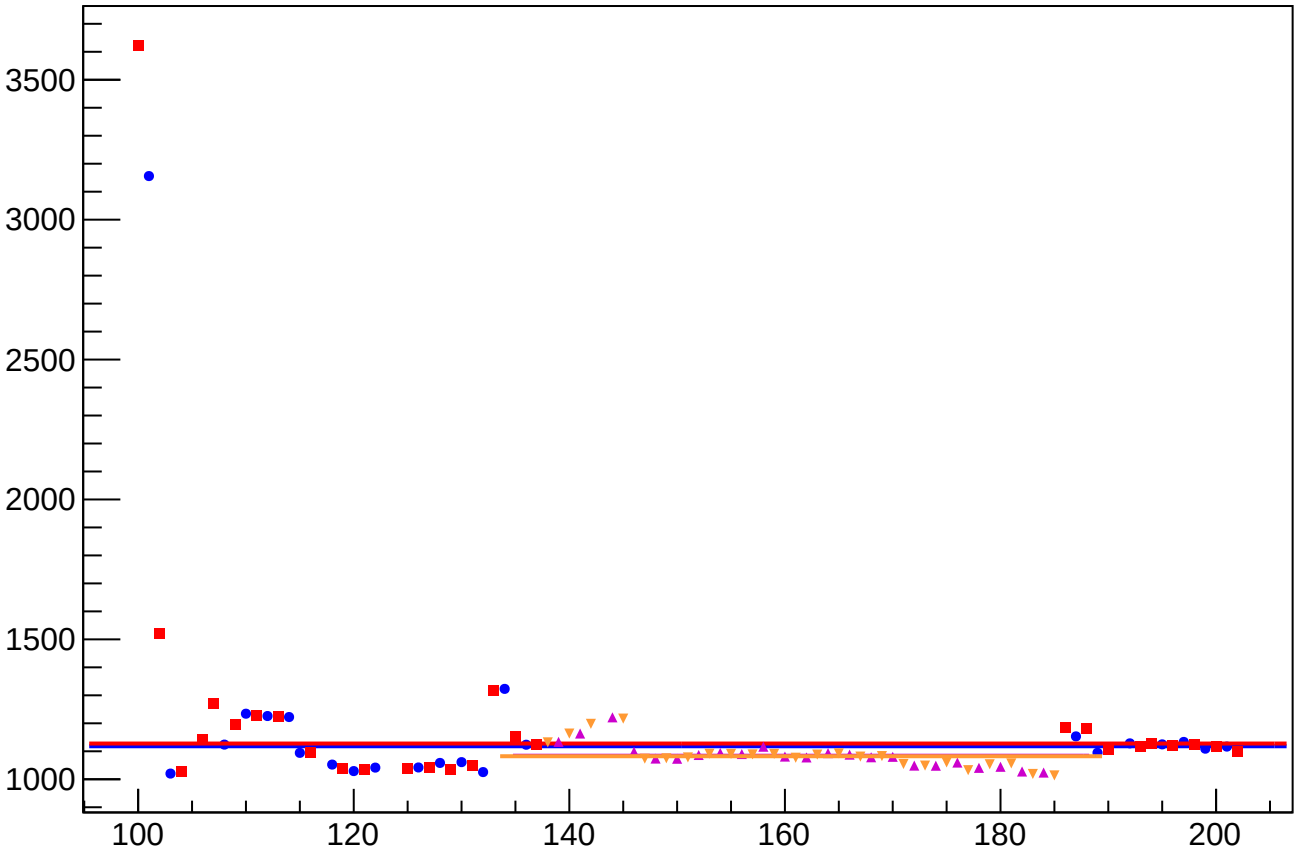
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 233.418+/-220.923 χ^2/NDF: 38.4/49

In: 161.124+/-199.212 χ^2/NDF:55.8/45

Out: 194.609+/-193.547 χ^2/NDF:47.2/50

All: 178.349+/-138.818 χ^2/NDF: 102.9/96



Right In: 1117.973+/-0.228 χ^2/NDF: 624915.6/22

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1127.694+/-0.214 χ^2/NDF: 229950.9/26

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

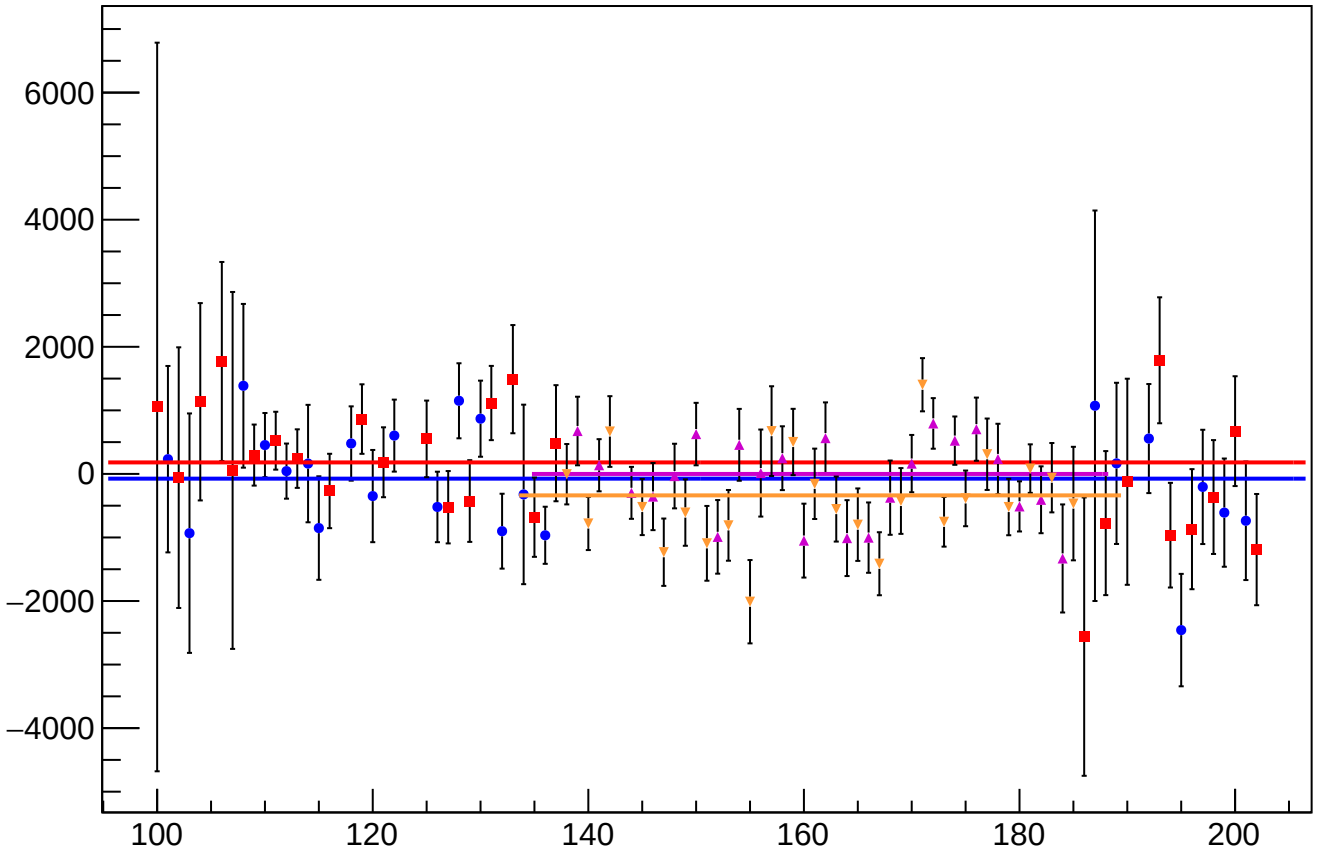
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1123.132+/-0.156 χ^2/NDF: 855831.0/49

In: 1097.068+/-0.141 χ^2/NDF:691946.8/45

Out: 1100.793+/-0.137 χ^2/NDF:314373.7/50

All: 1098.984+/-0.098 χ^2/NDF: 1006680.3/96



Right In: -74.579+/-148.094 χ^2/NDF: 28.4/22

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 180.880+/-141.614 χ^2/NDF: 25.2/26

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

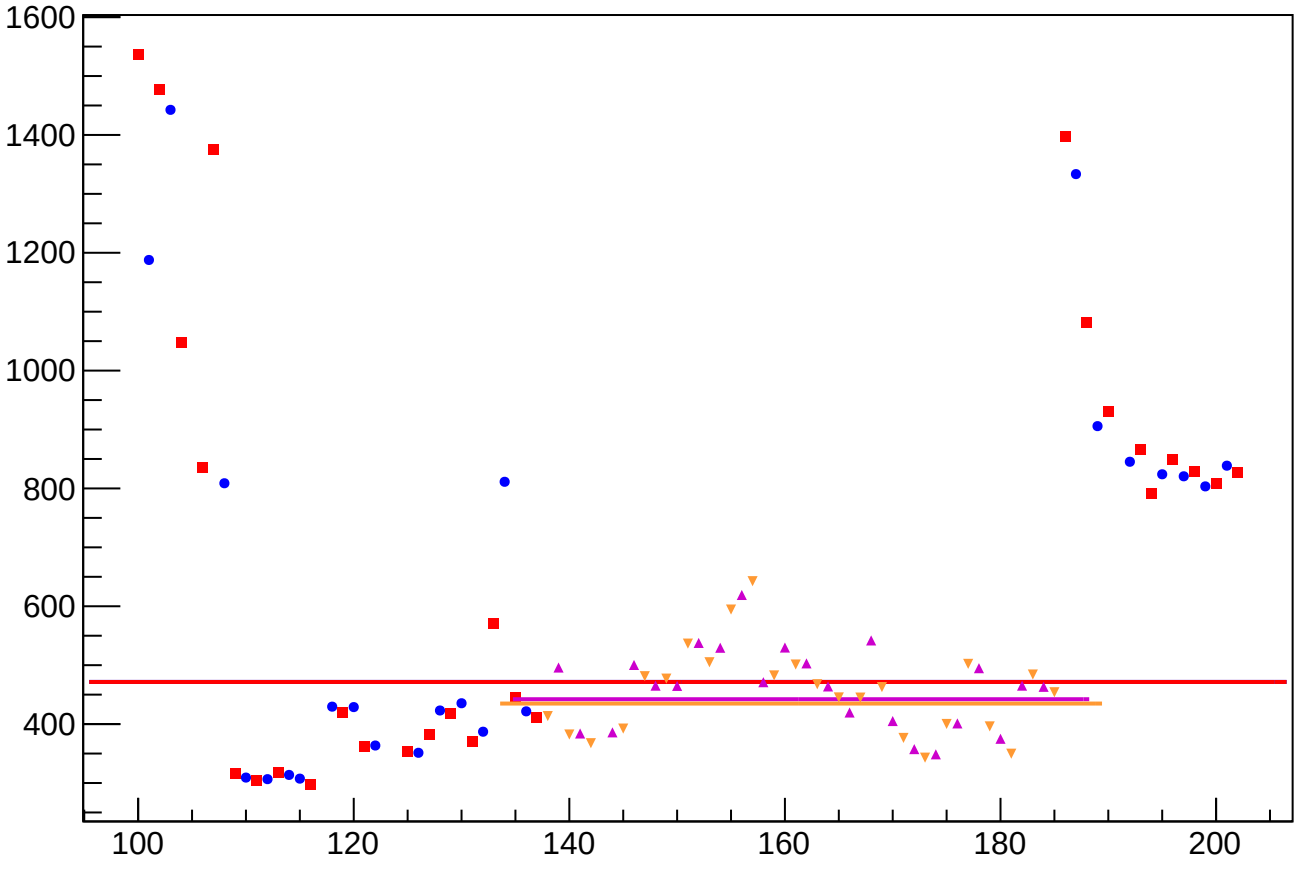
Right: 58.861+/-102.350 χ^2/NDF: 55.2/49

In: -25.229+/-85.510 χ^2/NDF:60.4/45

Out: -159.209+/-83.086 χ^2/NDF:82.8/50

All: -94.144+/-59.589 χ^2/NDF: 144.5/96

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 471.592+/-0.105 χ^2/NDF: 4172108.7/22

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 471.505+/-0.100 χ^2/NDF: 5343526.3/26

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

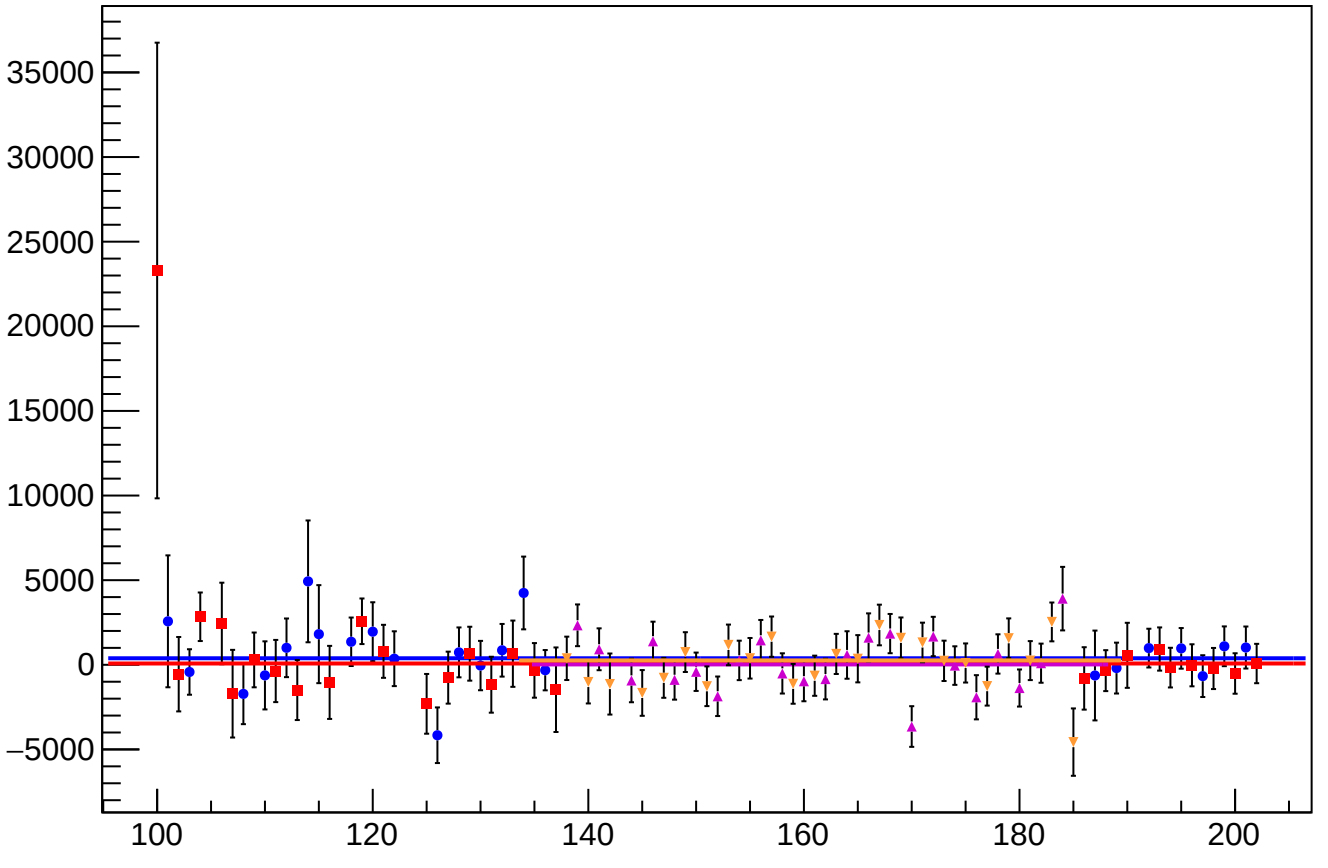
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 471.546+/-0.072 χ^2/NDF: 9515635.4/49

In: 452.005+/-0.060 χ^2/NDF:5050565.0/45

Out: 447.473+/-0.059 χ^2/NDF:6309769.0/50

All: 449.674+/-0.042 χ^2/NDF: 11363223.6/96



Right In: 385.796+/-322.476 χ^2/NDF: 19.2/22

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 77.270+/-303.474 χ^2/NDF: 17.6/26

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

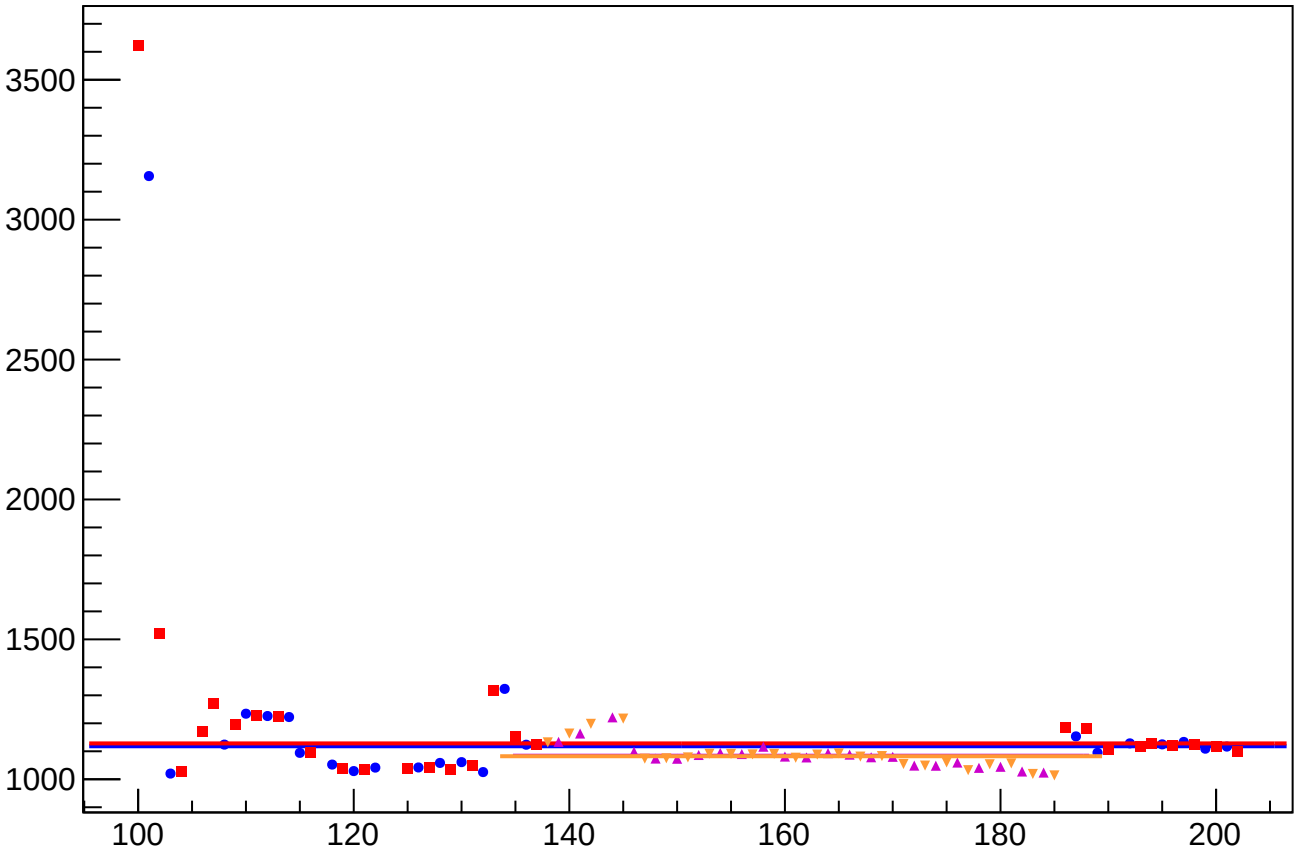
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 222.176+/-221.001 χ^2/NDF: 37.2/49

In: 161.058+/-199.212 χ^2/NDF:55.8/45

Out: 186.013+/-193.599 χ^2/NDF:46.0/50

All: 173.892+/-138.837 χ^2/NDF: 101.8/96



Right In: 1117.973+/-0.228 χ^2/NDF: 624916.6/22

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1128.175+/-0.215 χ^2/NDF: 230554.9/26

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

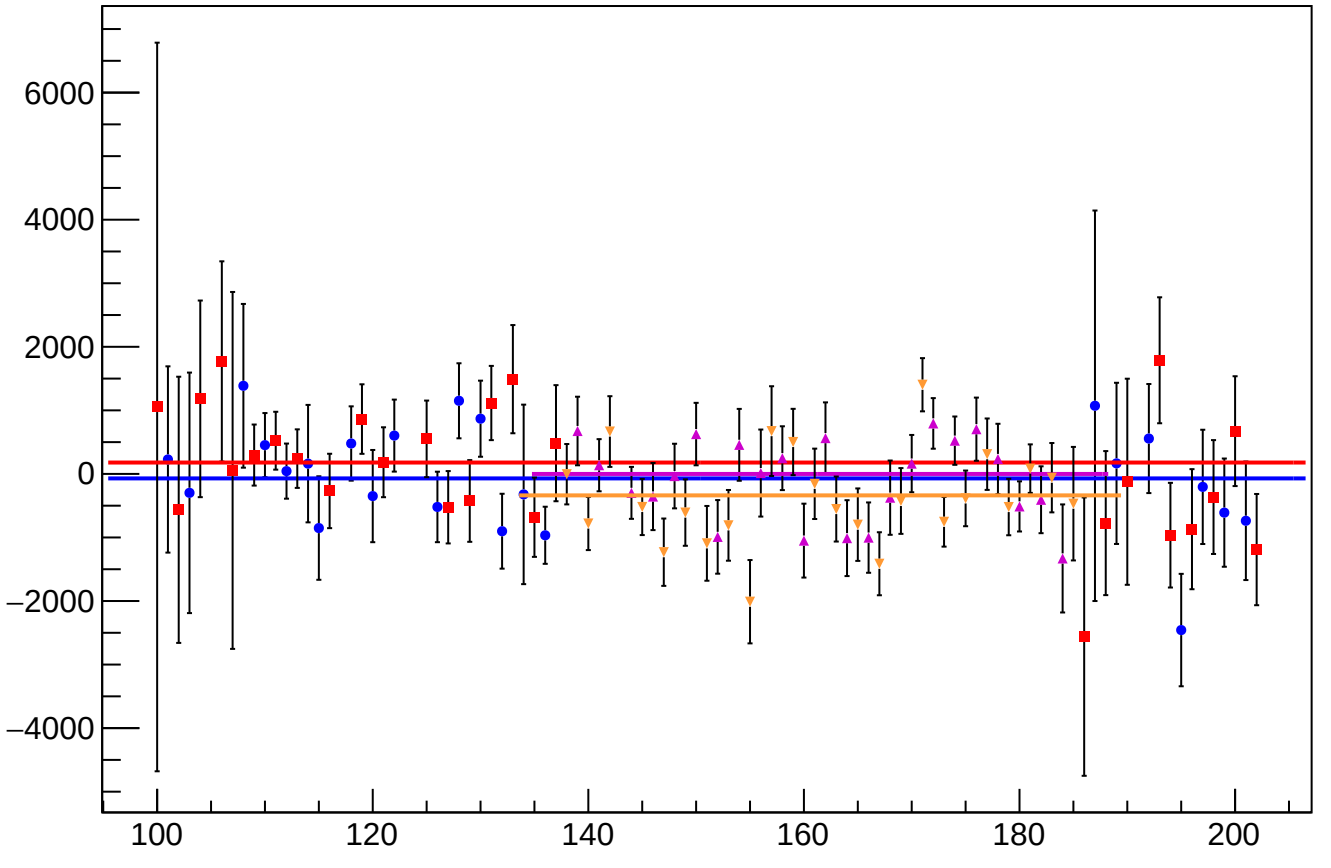
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1123.383+/-0.156 χ^2/NDF: 856533.2/49

In: 1097.068+/-0.141 χ^2/NDF:691947.7/45

Out: 1100.974+/-0.137 χ^2/NDF:315522.0/50

All: 1099.077+/-0.098 χ^2/NDF: 1007865.2/96



Right In: -70.799+/-148.094 χ^2/NDF: 28.2/22

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 178.935+/-141.632 χ^2/NDF: 25.4/26

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

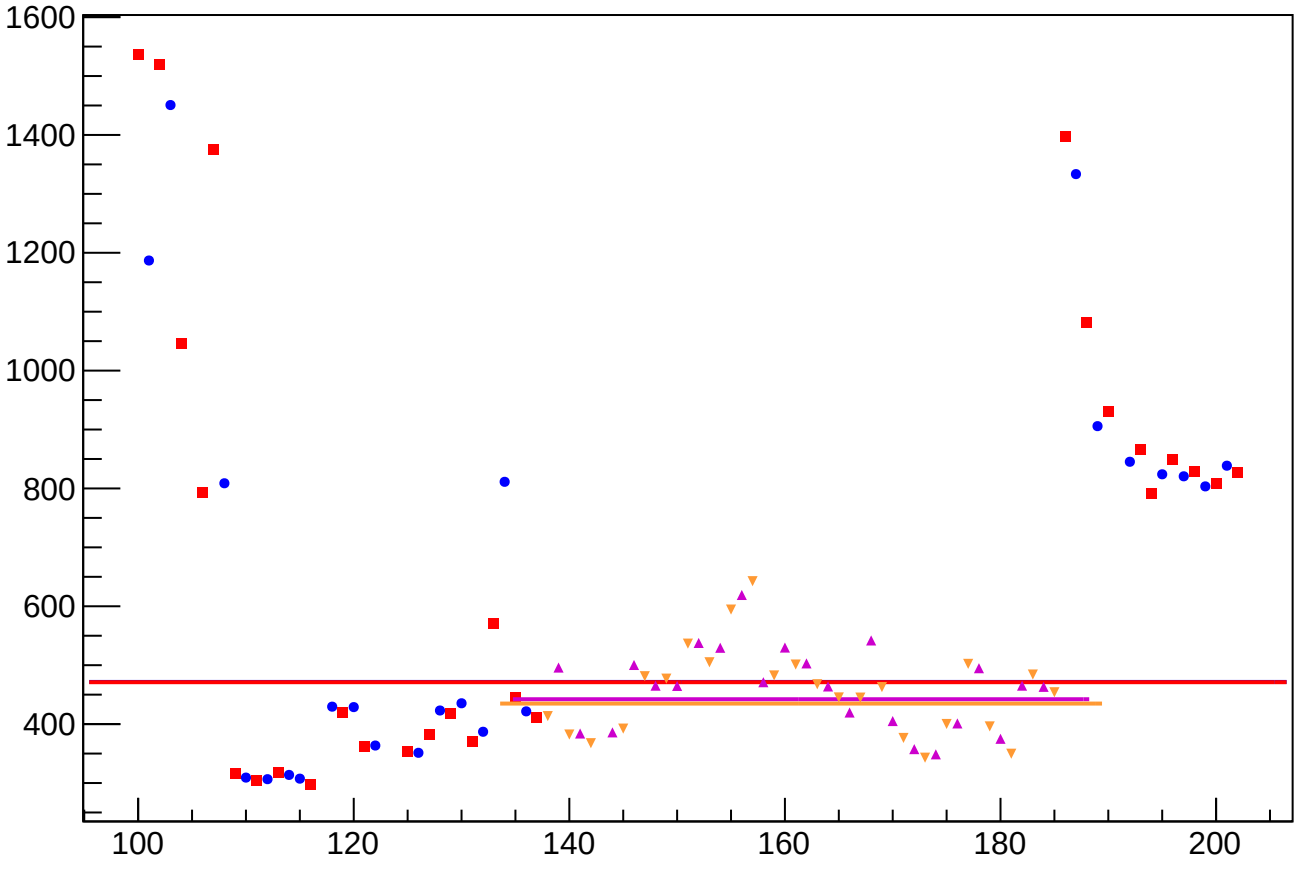
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 59.636+/-102.357 χ^2/NDF: 55.1/49

In: -23.982+/-85.510 χ^2/NDF:60.2/45

Out: -159.967+/-83.090 χ^2/NDF:82.9/50

All: -93.926+/-59.591 χ^2/NDF: 144.4/96



Right In: 471.583+/-0.105 χ^2/NDF: 4175903.8/22

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 471.144+/-0.100 χ^2/NDF: 5337930.8/26

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

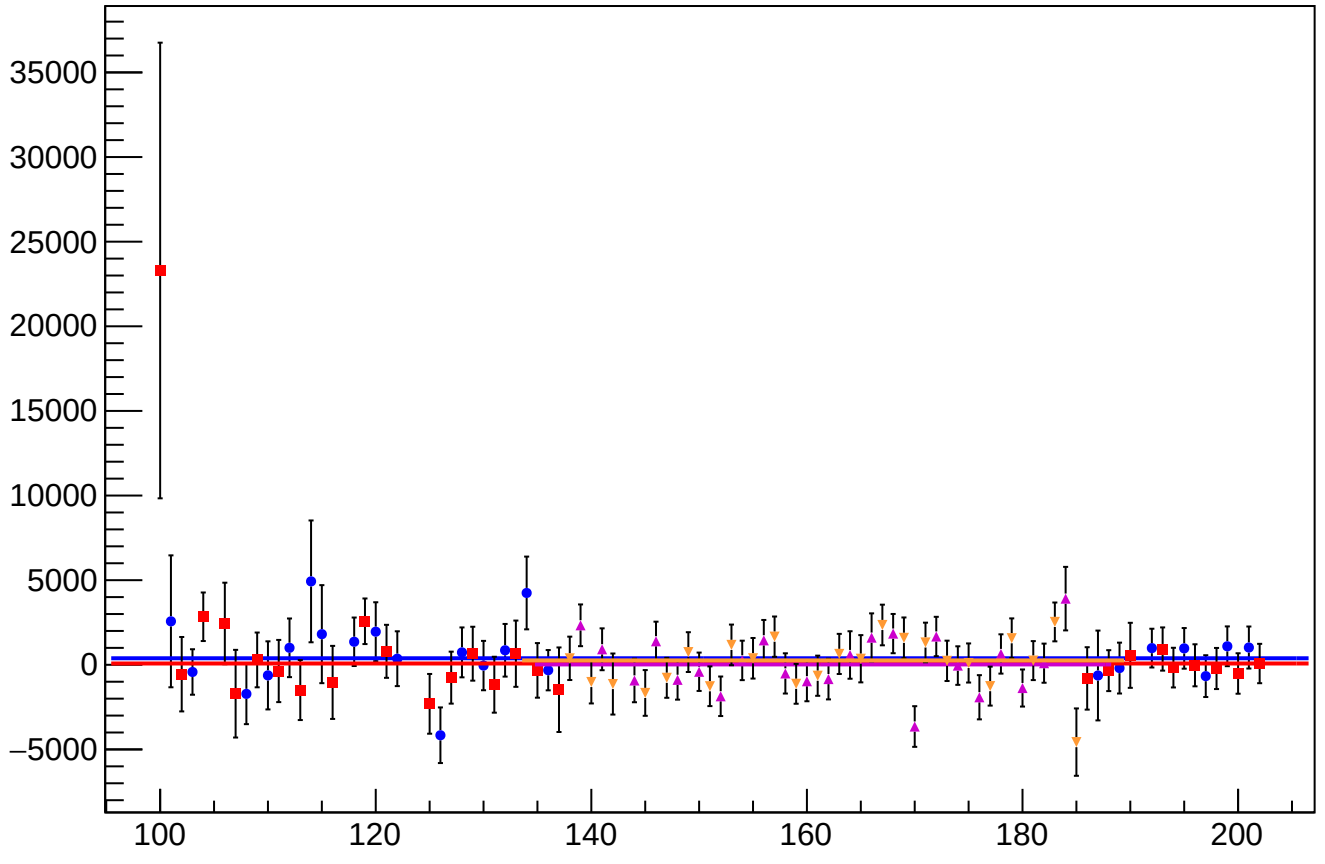
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 471.353+/-0.072 χ^2/NDF: 9513843.7/49

In: 452.002+/-0.060 χ^2/NDF:5054195.2/45

Out: 447.345+/-0.059 χ^2/NDF:6302541.8/50

All: 449.607+/-0.042 χ^2/NDF: 11359788.8/96



Right In: 385.796+/-322.476 χ^2/NDF: 19.2/22

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 77.270+/-303.474 χ^2/NDF: 17.6/26

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

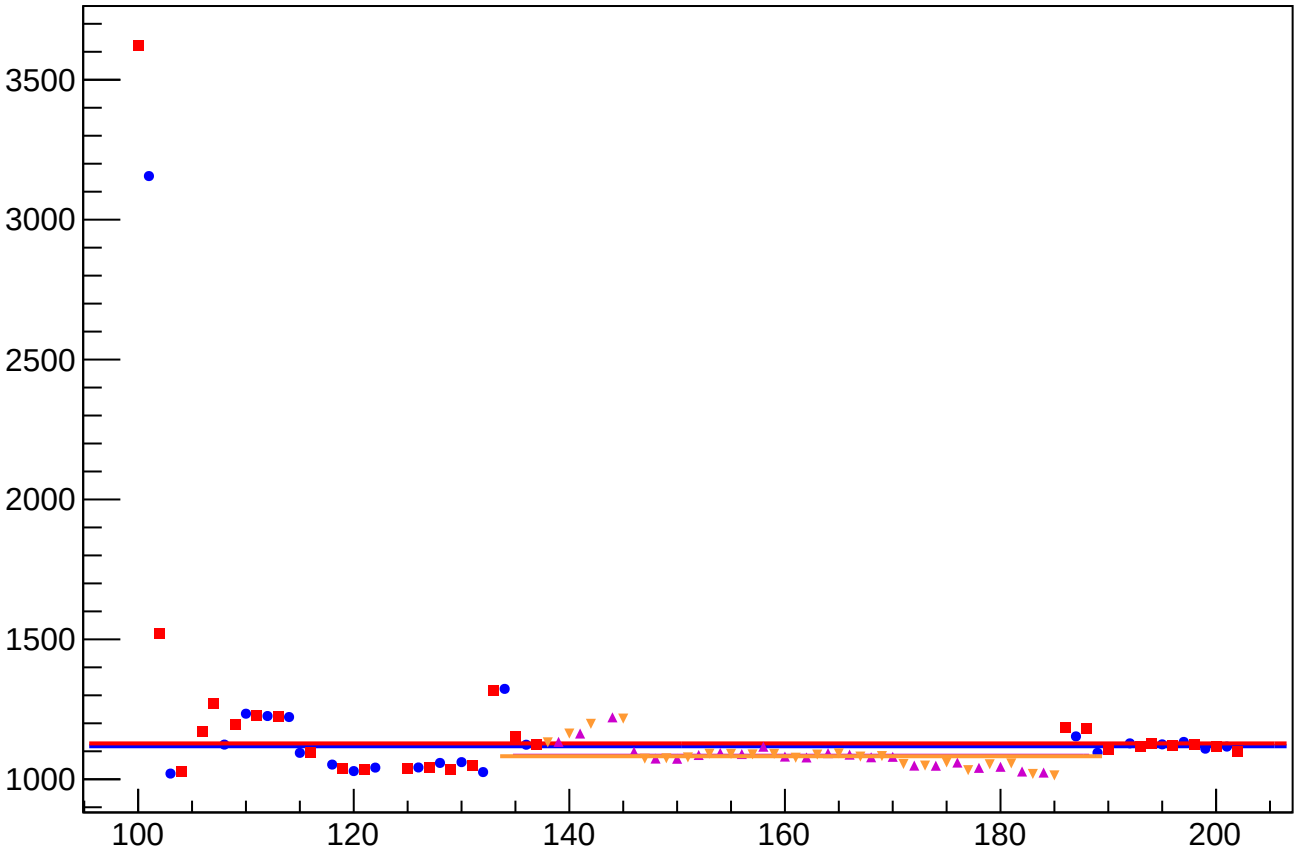
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 222.176+/-221.001 χ^2/NDF: 37.2/49

In: 161.058+/-199.212 χ^2/NDF:55.8/45

Out: 186.013+/-193.599 χ^2/NDF:46.0/50

All: 173.892+/-138.837 χ^2/NDF: 101.8/96



Right In: 1117.973+/-0.228 χ^2/NDF: 624916.6/22

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1128.175+/-0.215 χ^2/NDF: 230554.9/26

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

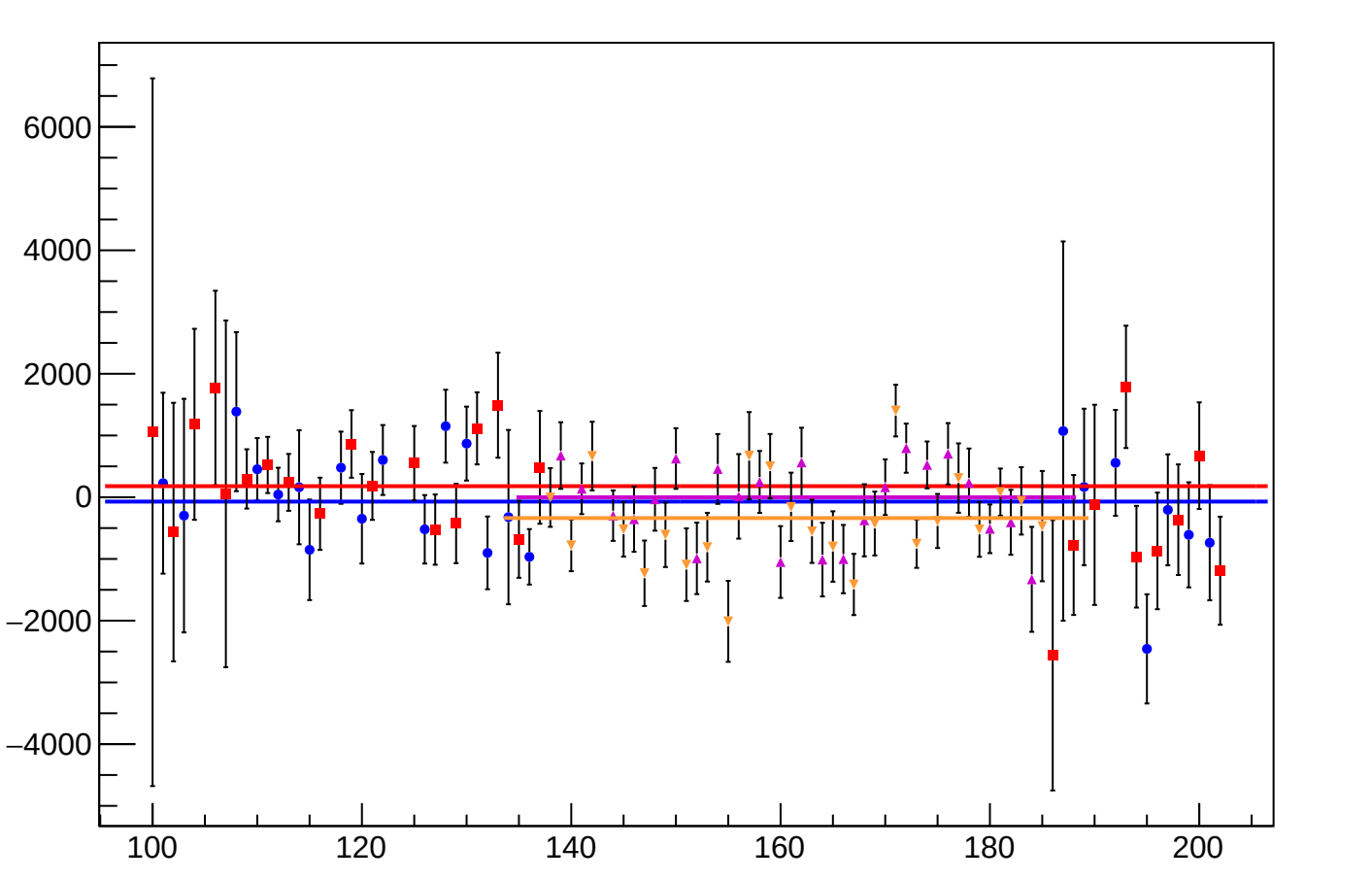
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1123.383+/-0.156 χ^2/NDF: 856533.2/49

In: 1097.068+/-0.141 χ^2/NDF:691947.7/45

Out: 1100.974+/-0.137 χ^2/NDF:315522.0/50

All: 1099.077+/-0.098 χ^2/NDF: 1007865.2/96



Right In: -70.799+/-148.094 χ^2/NDF: 28.2/22

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 178.935+/-141.632 χ^2/NDF: 25.4/26

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

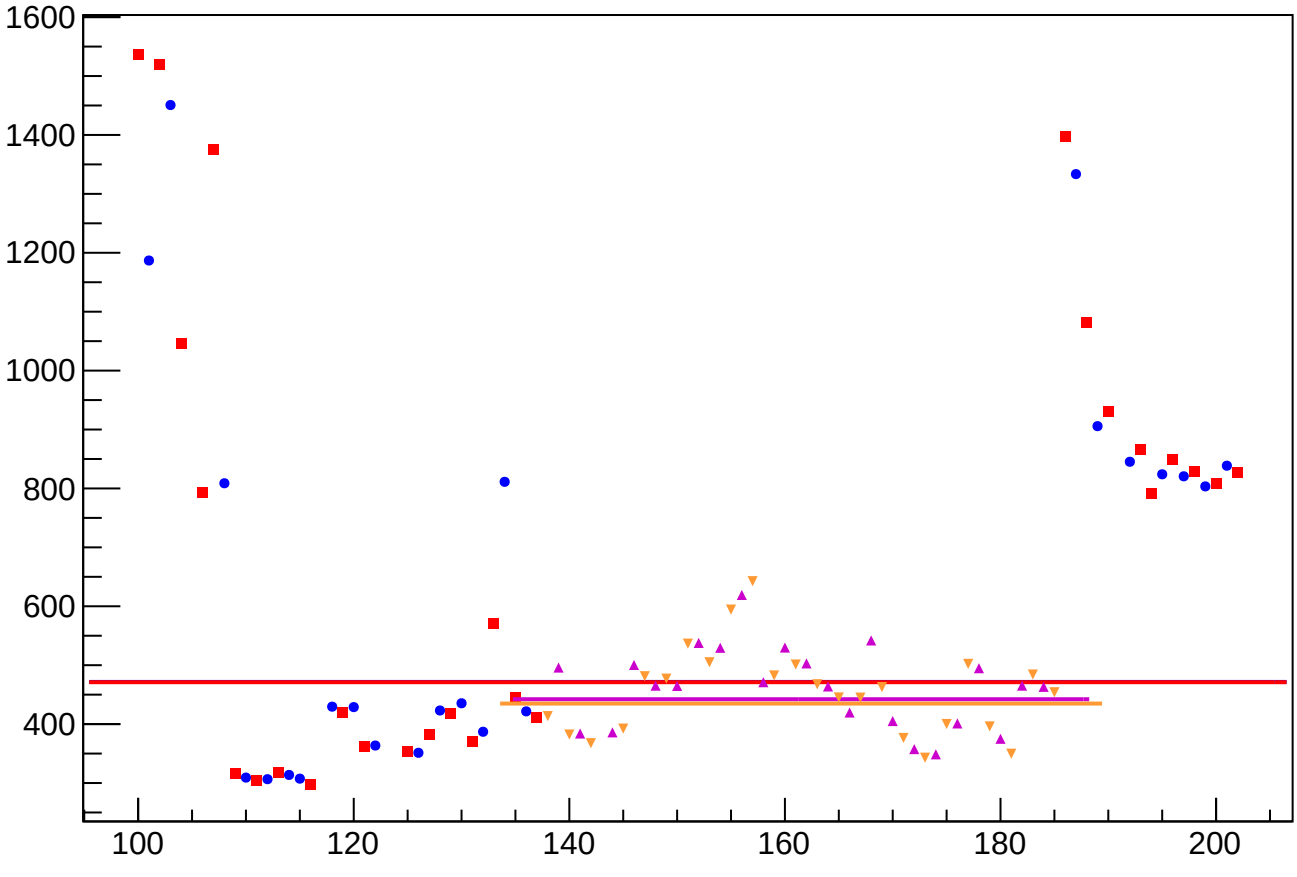
Right: 59.636+/-102.357 χ^2/NDF: 55.1/49

In: -23.982+/-85.510 χ^2/NDF:60.2/45

Out: -159.967+/-83.090 χ^2/NDF:82.9/50

All: -93.926+/-59.591 χ^2/NDF: 144.4/96

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 471.583+/-0.105 χ^2/NDF: 4175903.8/22

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 471.144+/-0.100 χ^2/NDF: 5337930.8/26

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

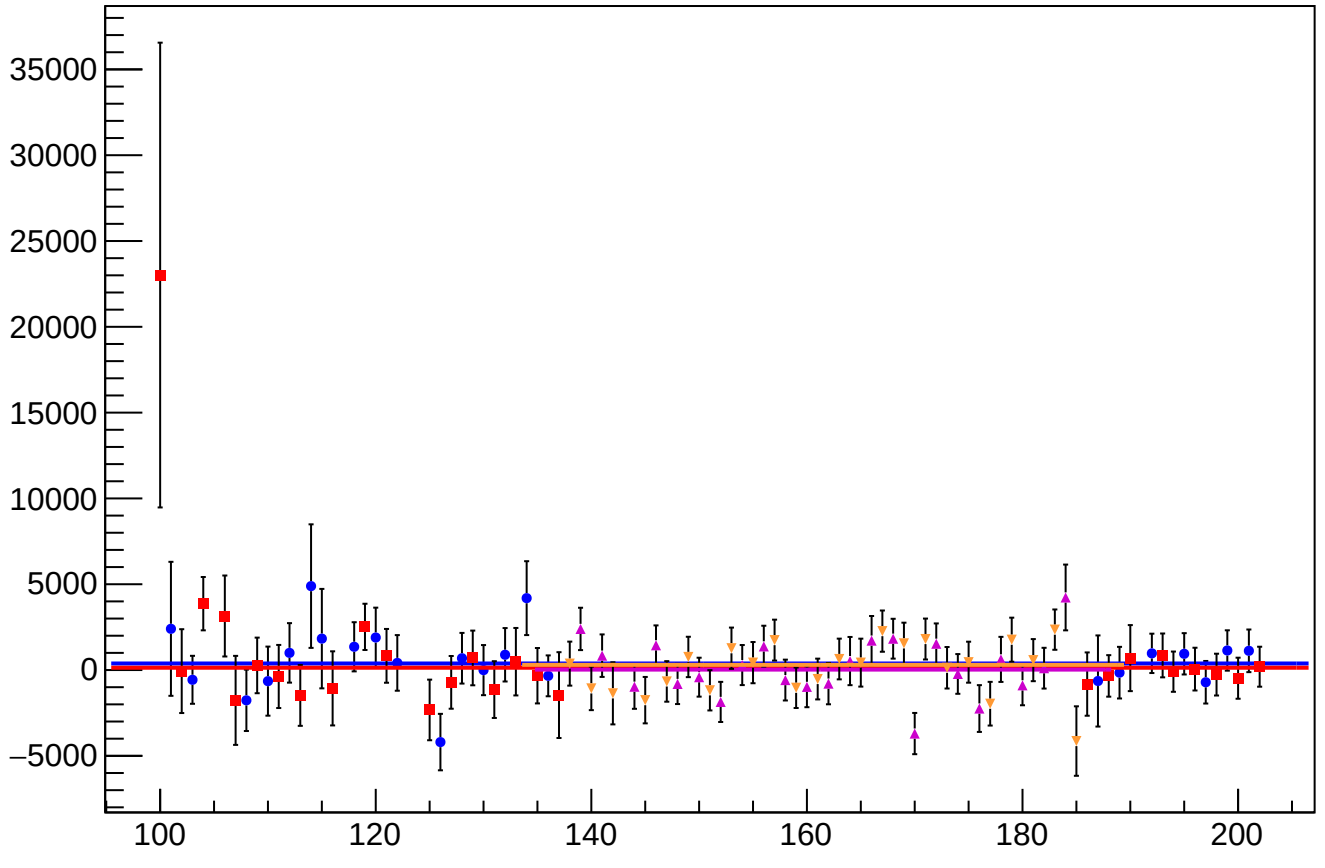
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 471.353+/-0.072 χ^2/NDF: 9513843.7/49

In: 452.002+/-0.060 χ^2/NDF:5054195.2/45

Out: 447.345+/-0.059 χ^2/NDF:6302541.8/50

All: 449.607+/-0.042 χ^2/NDF: 11359788.8/96



Right In: 381.552+/-323.582 χ^2/NDF: 19.4/22

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 134.378+/-305.265 χ^2/NDF: 20.1/26

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

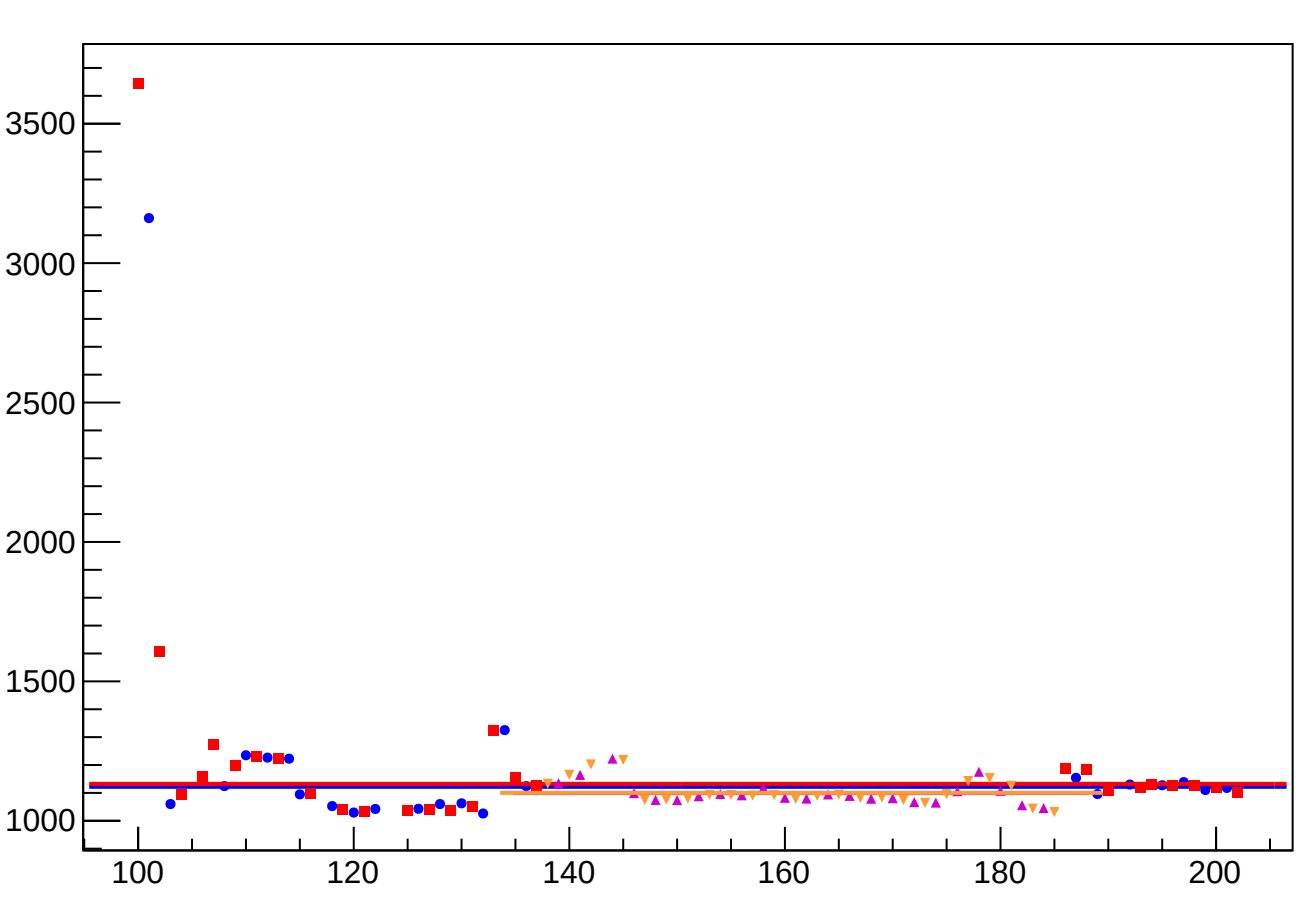
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 250.772+/-222.048 χ^2/NDF: 39.7/49

In: 163.024+/-201.184 χ^2/NDF:56.0/45

Out: 233.756+/-195.954 χ^2/NDF:48.7/50

All: 199.321+/-140.373 χ^2/NDF: 104.8/96



Right In: 1121.872+/-0.229 χ^2/NDF: 618646.1/22

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1132.457+/-0.216 χ^2/NDF: 235099.8/26

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

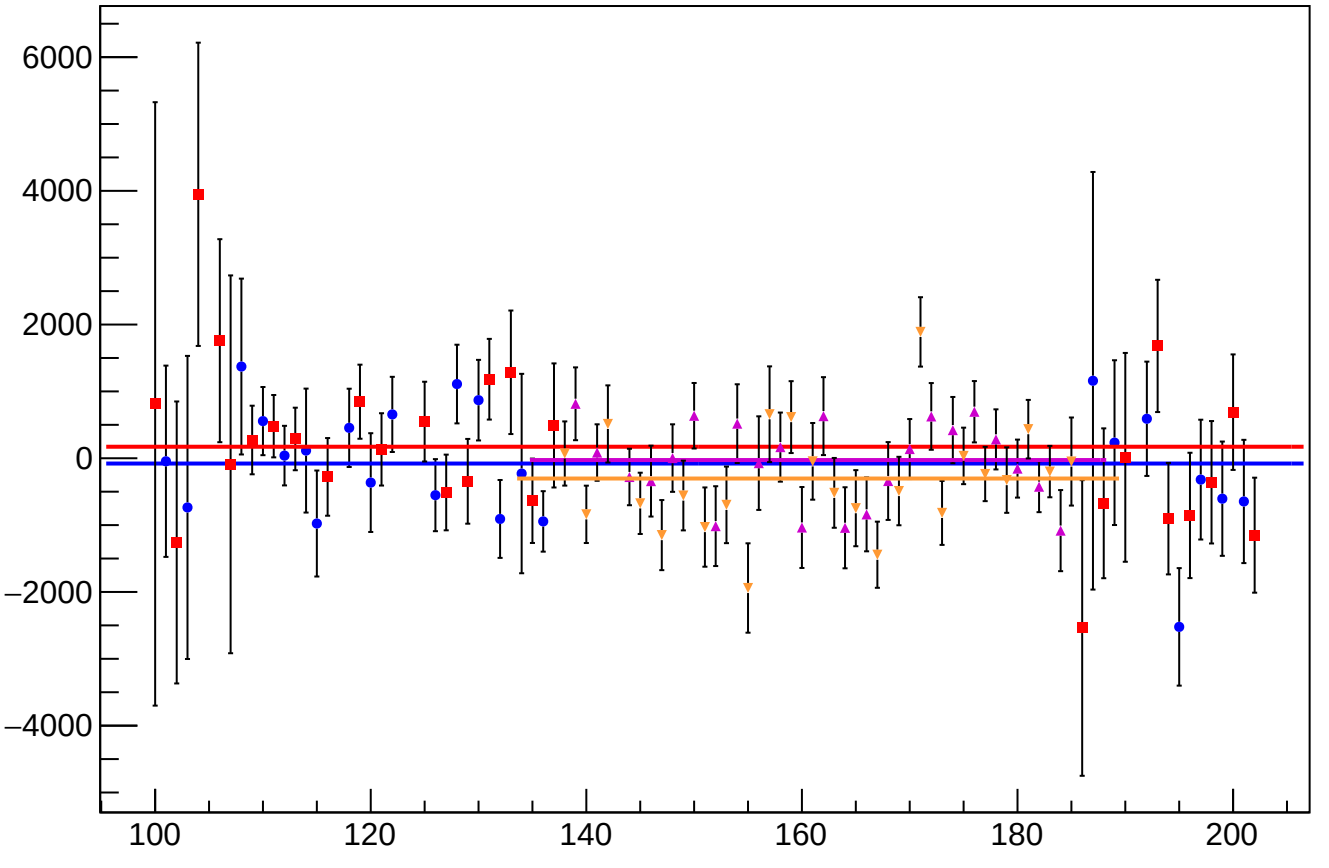
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1127.473+/-0.157 χ^2/NDF: 854878.3/49

In: 1108.051+/-0.142 χ^2/NDF:669379.4/45

Out: 1113.526+/-0.139 χ^2/NDF:296956.9/50

All: 1110.861+/-0.099 χ^2/NDF: 967096.3/96



Right In: -79.024+/-148.428 χ^2/NDF: 29.4/22

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 172.332+/-143.540 χ^2/NDF: 25.8/26

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

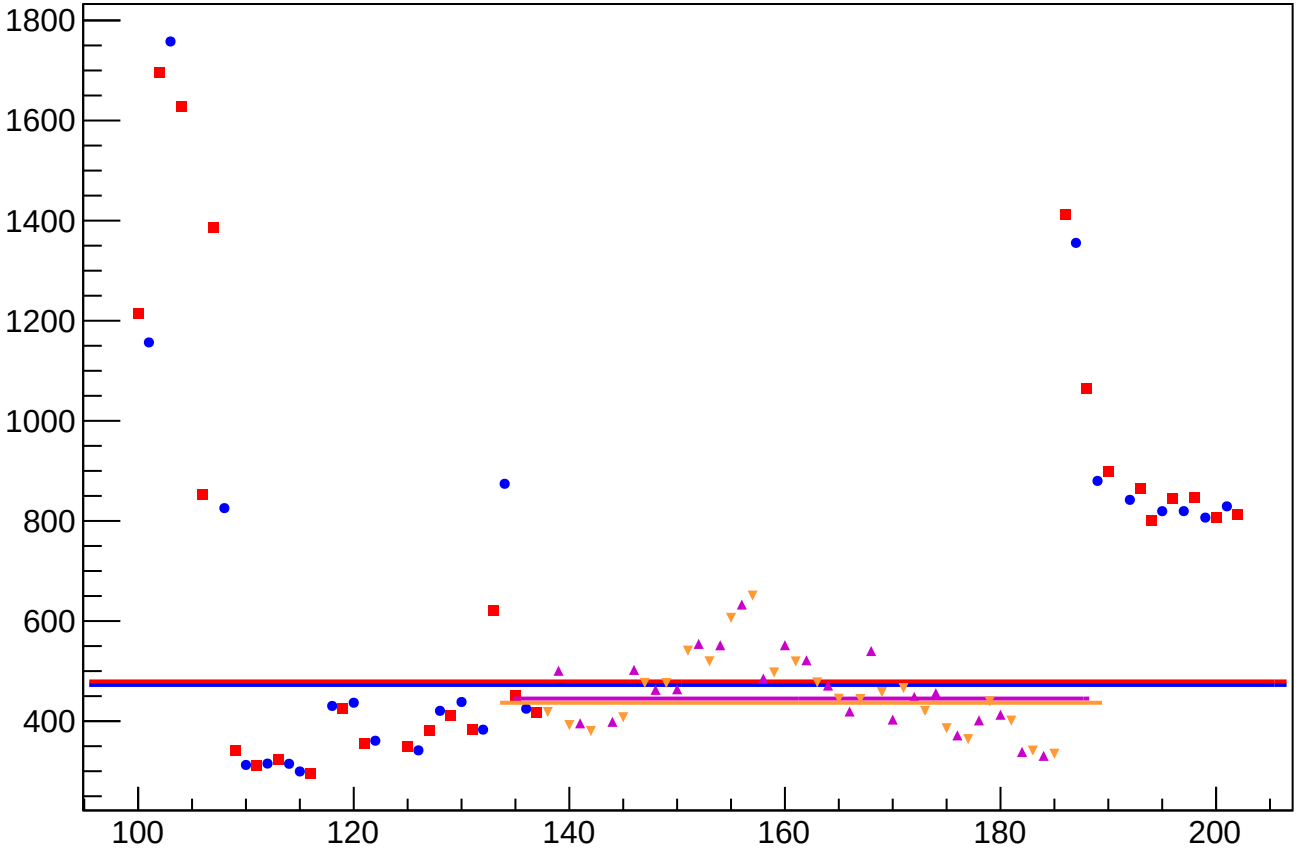
Right: 50.861+/-103.183 χ^2/NDF: 56.7/49

In: -44.271+/-85.948 χ^2/NDF:57.3/45

Out: -141.623+/-83.673 χ^2/NDF:82.6/50

All: -94.252+/-59.954 χ^2/NDF: 140.6/96

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 472.388+/-0.105 χ^2/NDF: 4260947.6/22

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 479.342+/-0.101 χ^2/NDF: 5657912.2/26

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

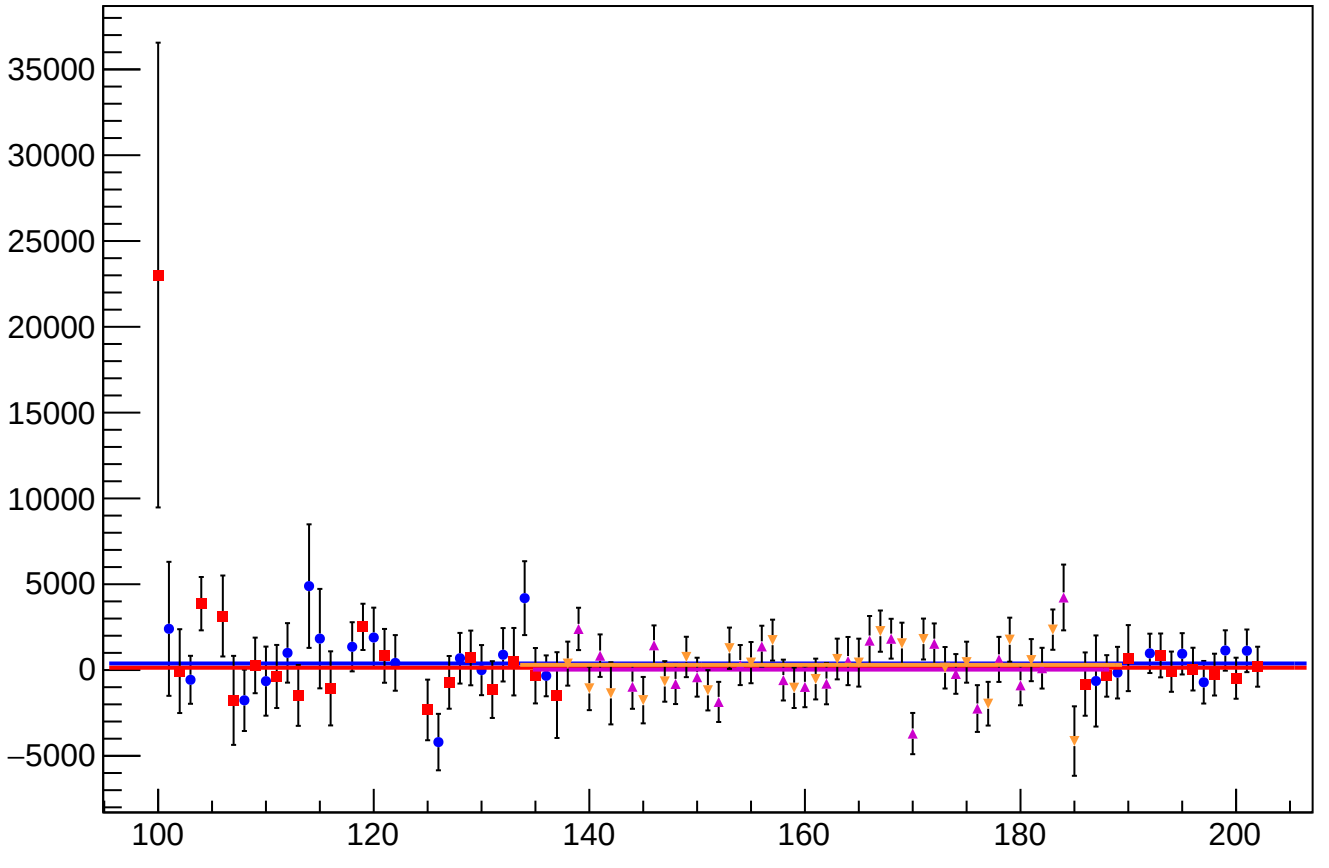
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 475.981+/-0.073 χ^2/NDF: 9921128.2/49

In: 454.256+/-0.061 χ^2/NDF:5180386.7/45

Out: 451.247+/-0.059 χ^2/NDF:6629172.3/50

All: 452.711+/-0.042 χ^2/NDF: 11810817.0/96



Right In: 381.554+/-323.582 χ^2/NDF: 19.4/22

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 134.378+/-305.265 χ^2/NDF: 20.1/26

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

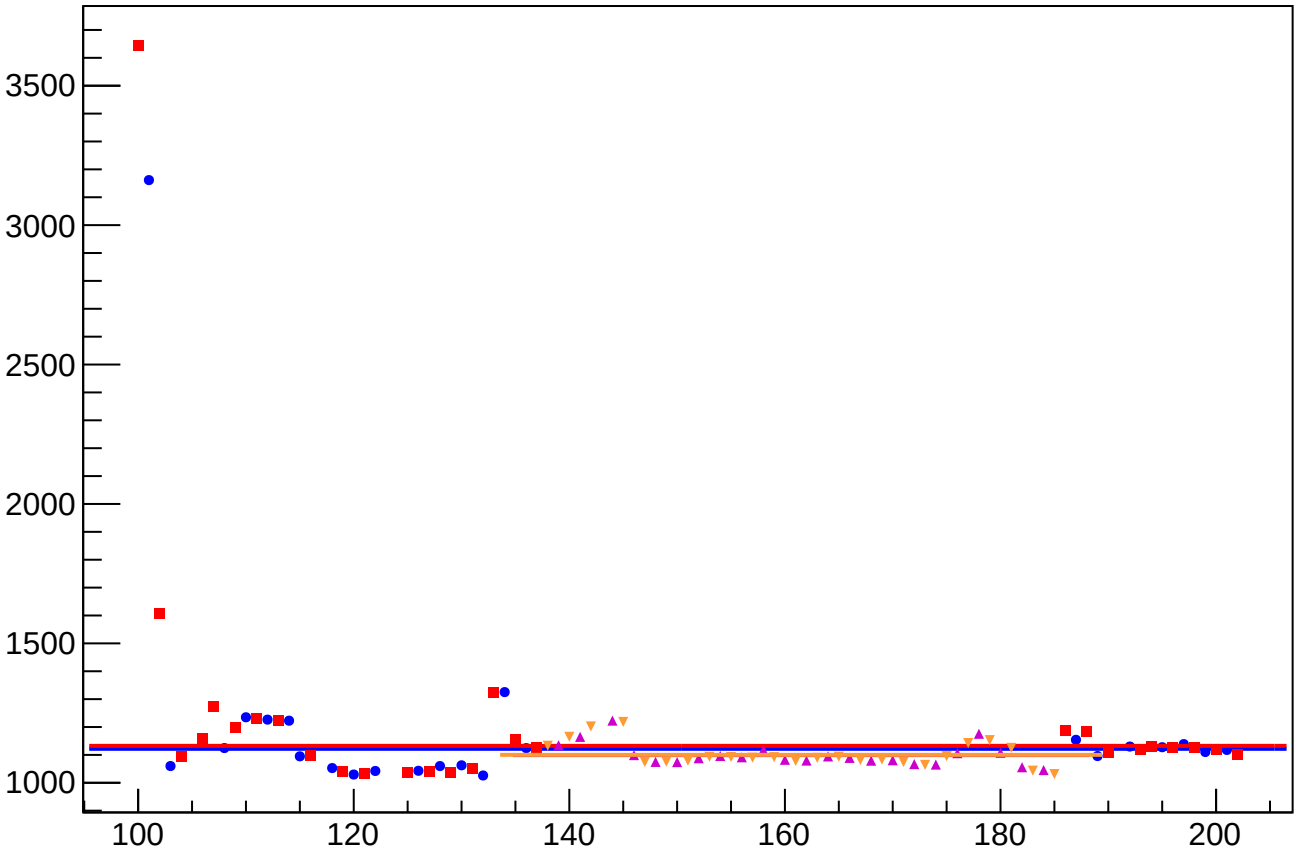
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 250.773+/-222.048 χ^2/NDF: 39.7/49

In: 163.026+/-201.184 χ^2/NDF:56.0/45

Out: 233.755+/-195.954 χ^2/NDF:48.7/50

All: 199.321+/-140.373 χ^2/NDF: 104.8/96



Right In: 1121.872+/-0.229 χ^2/NDF: 618646.1/22

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1132.457+/-0.216 χ^2/NDF: 235099.8/26

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

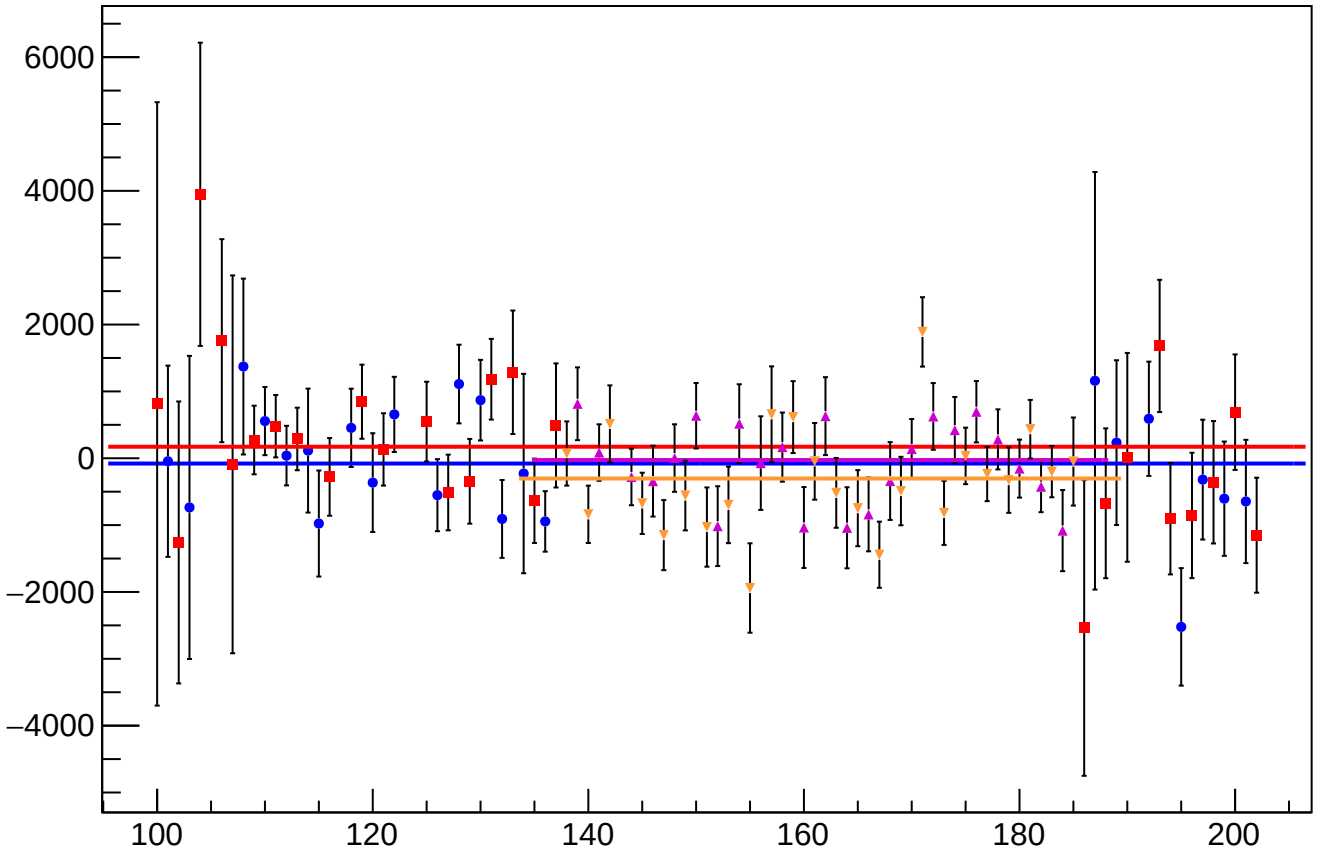
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1127.473+/-0.157 χ^2/NDF: 854878.4/49

In: 1108.051+/-0.142 χ^2/NDF:669379.5/45

Out: 1113.526+/-0.139 χ^2/NDF:296957.1/50

All: 1110.861+/-0.099 χ^2/NDF: 967096.7/96



Right In: -79.026+/-148.427 χ^2/NDF: 29.4/22

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 172.331+/-143.539 χ^2/NDF: 25.8/26

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

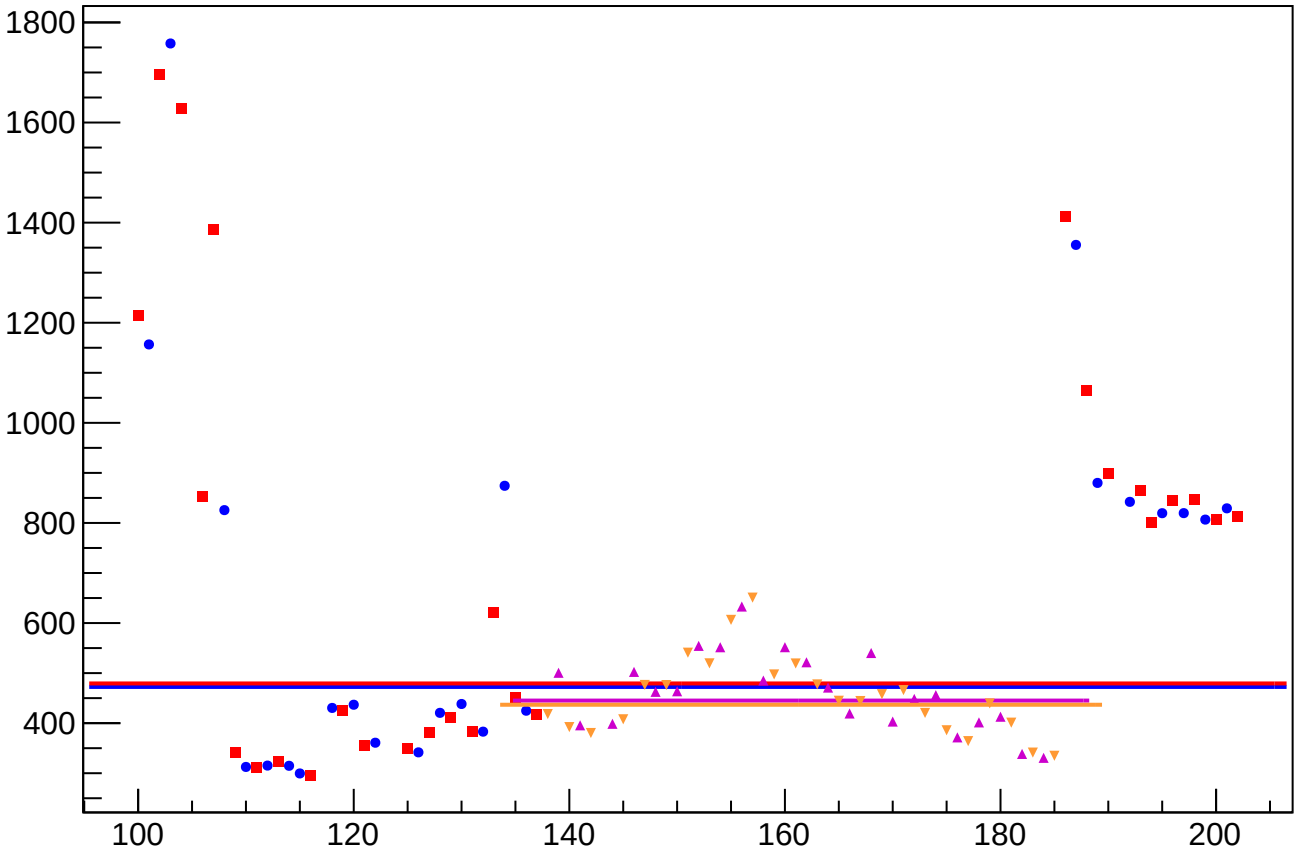
Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

Right: 50.860+/-103.182 χ^2/NDF: 56.7/49

In: -44.271+/-85.948 χ^2/NDF:57.3/45

Out: -141.623+/-83.673 χ^2/NDF:82.6/50

All: -94.253+/-59.954 χ^2/NDF: 140.6/96



Right In: 472.385+/-0.105 χ^2/NDF: 4260987.5/22

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 479.338+/-0.101 χ^2/NDF: 5657972.4/26

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

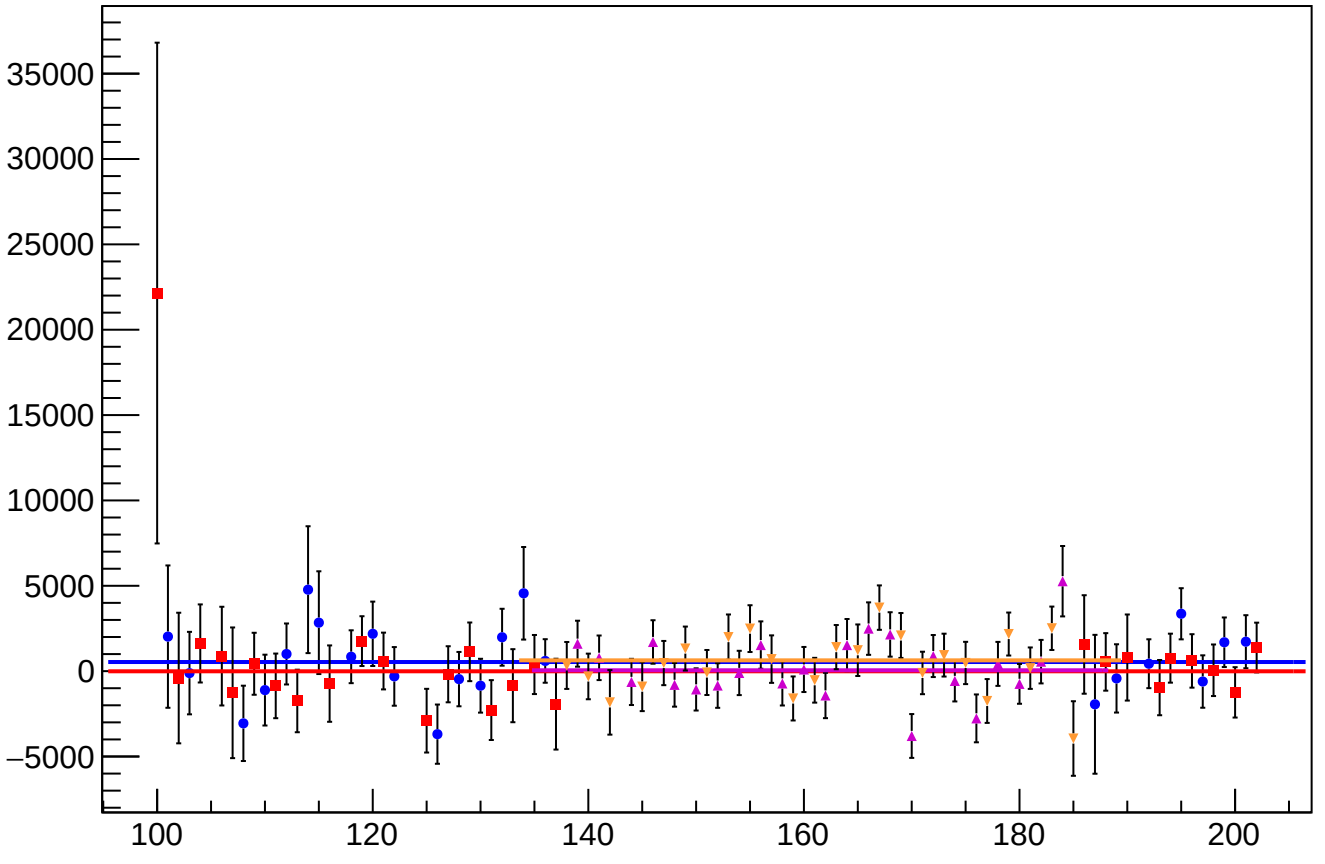
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 475.978+/-0.073 χ^2/NDF: 9921228.2/49

In: 454.254+/-0.061 χ^2/NDF:5180451.3/45

Out: 451.246+/-0.059 χ^2/NDF:6629246.0/50

All: 452.710+/-0.042 χ^2/NDF: 11810955.3/96



Right In: 535.009+/-378.034 χ^2/NDF: 22.5/22

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -8.558+/-361.444 χ^2/NDF: 14.0/26

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

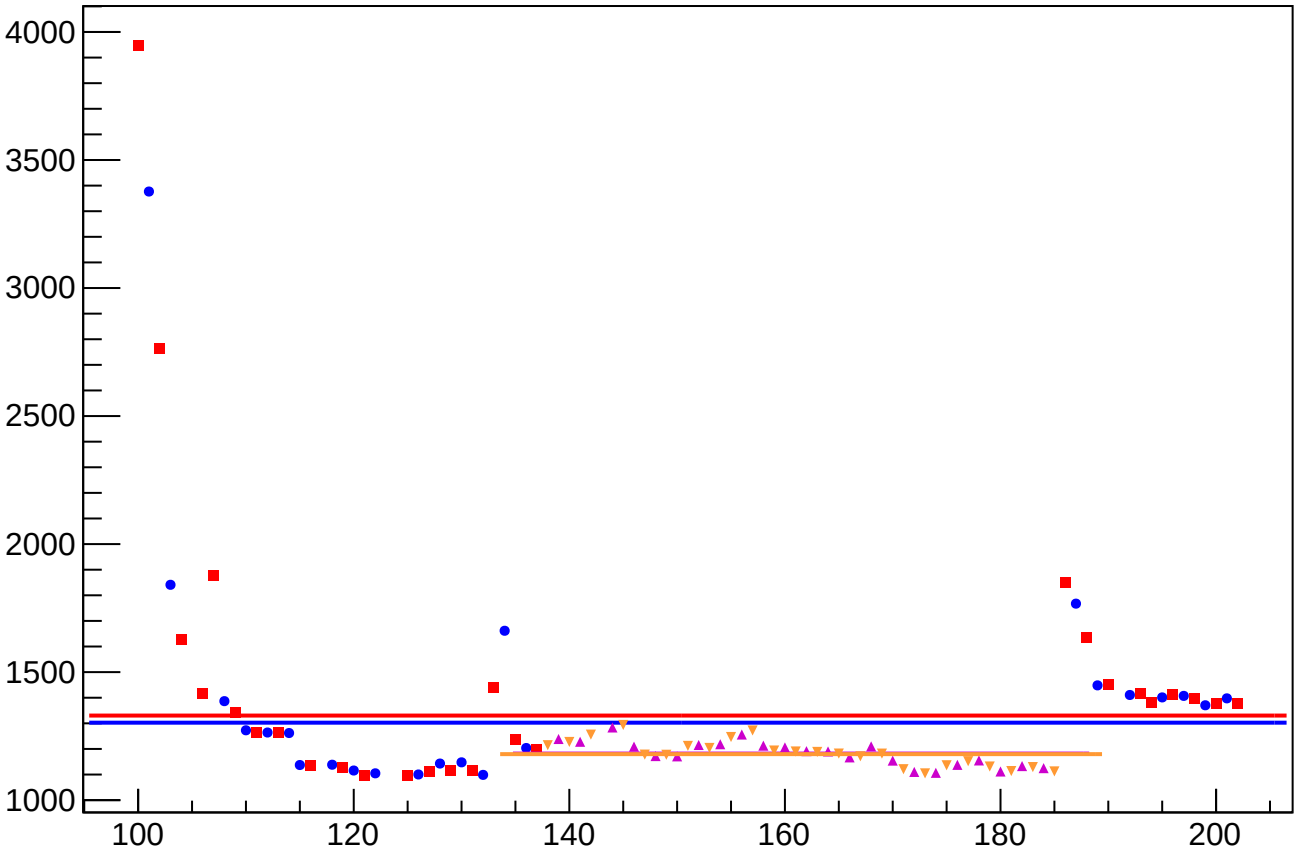
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 251.037+/-261.248 χ^2/NDF: 37.6/49

In: 219.352+/-223.024 χ^2/NDF:58.6/45

Out: 398.721+/-218.382 χ^2/NDF:46.2/50

All: 310.922+/-156.034 χ^2/NDF: 105.1/96



Right In: 1302.574+/-0.267 χ^2/NDF: 895266.8/22

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1330.358+/-0.256 χ^2/NDF: 820776.8/26

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

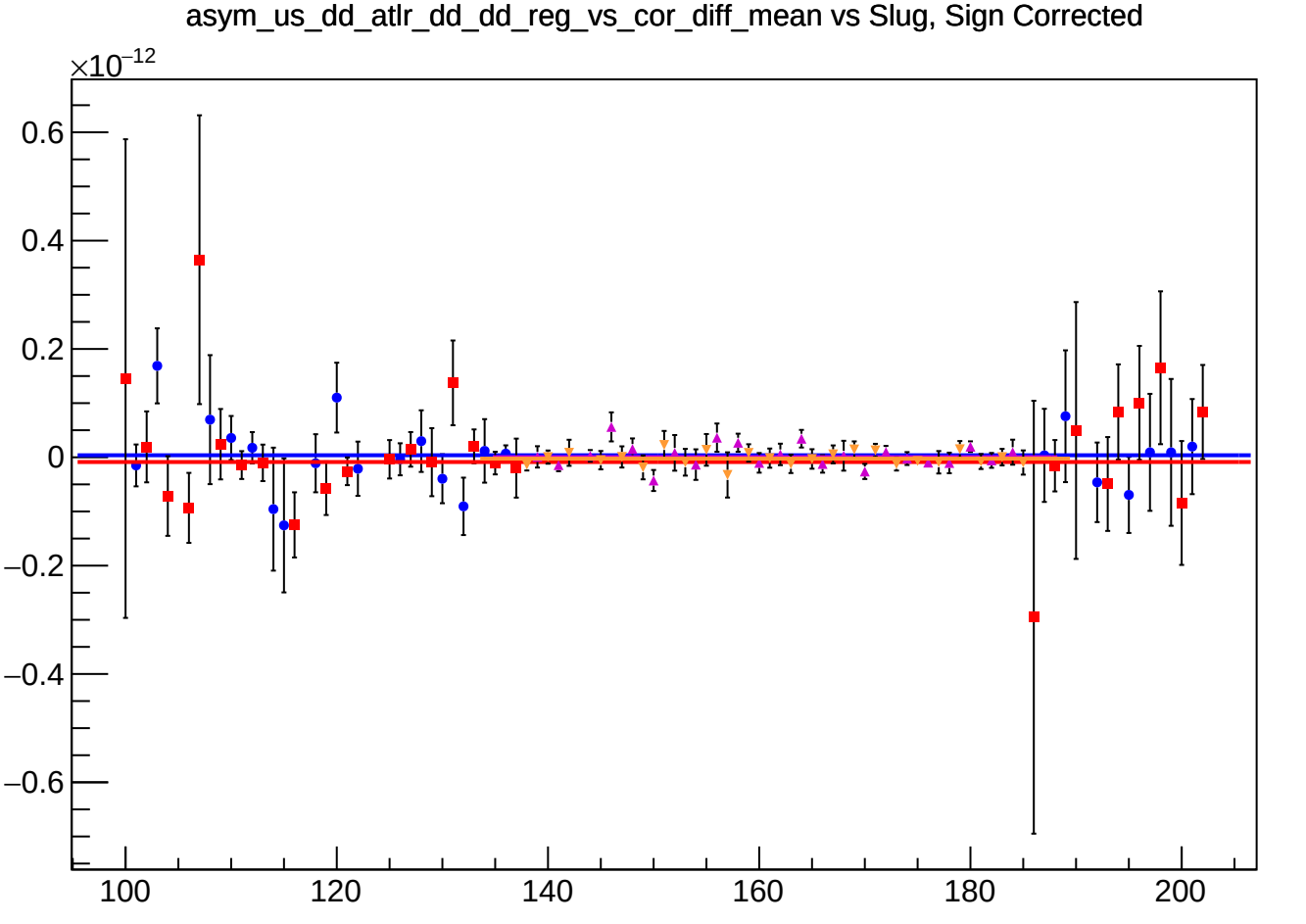
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1317.089+/-0.185 χ^2/NDF: 1721687.5/49

In: 1223.920+/-0.158 χ^2/NDF:1088425.3/45

Out: 1234.706+/-0.154 χ^2/NDF:1106041.2/50

All: 1229.426+/-0.110 χ^2/NDF: 2196854.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/26

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

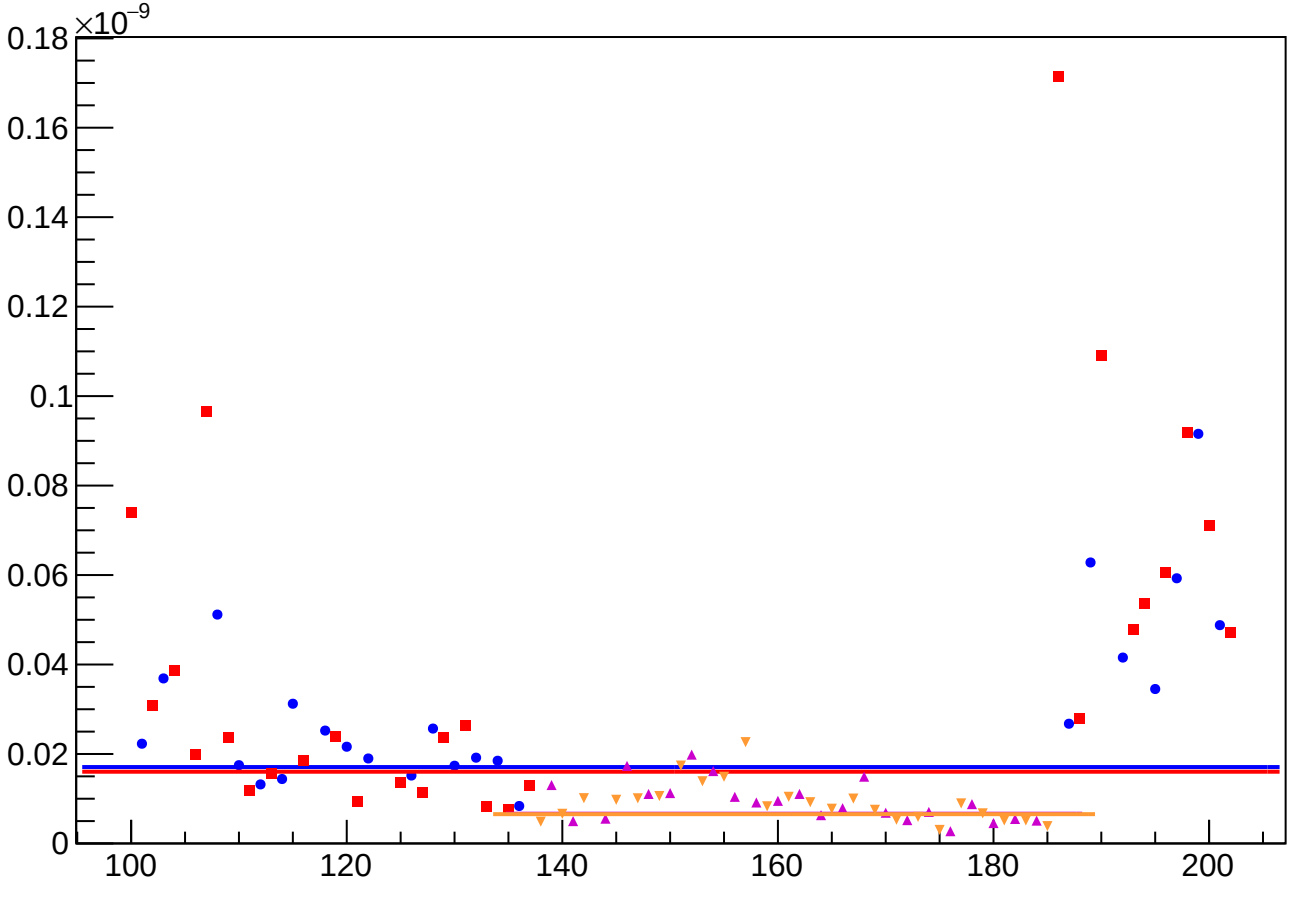
Right: -0.000+/-0.000 χ^2/NDF: 40.5/49

In: 0.000+/-0.000 χ^2/NDF:51.0/45

Out: -0.000+/-0.000 χ^2/NDF:32.1/50

All: -0.000+/-0.000 χ^2/NDF: 83.9/96

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3015279.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4407450.8/26

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

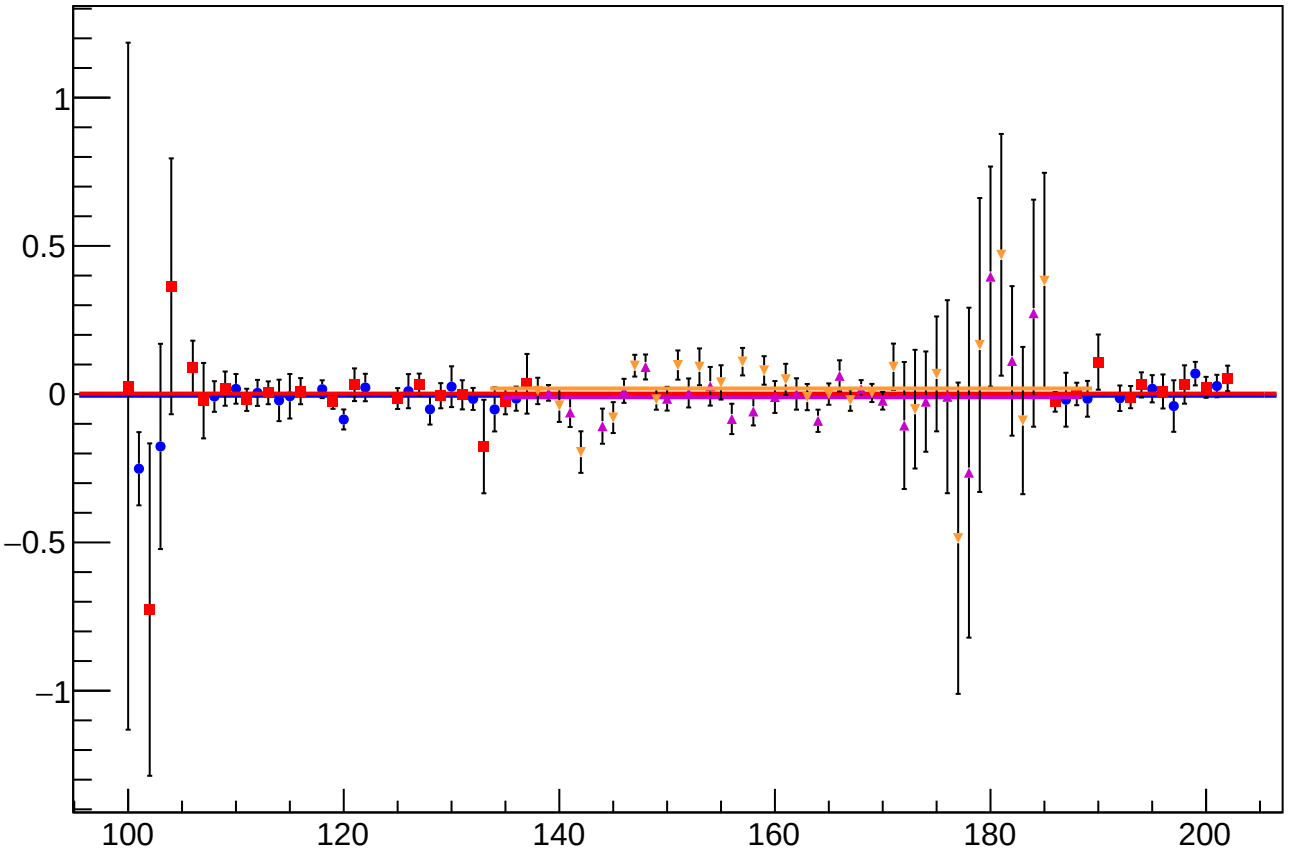
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 7435721.6/49

In: 0.000+/-0.000 χ^2/NDF:7831899.5/45

Out: 0.000+/-0.000 χ^2/NDF:8757193.4/50

All: 0.000+/-0.000 χ^2/NDF: 16592175.8/96



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

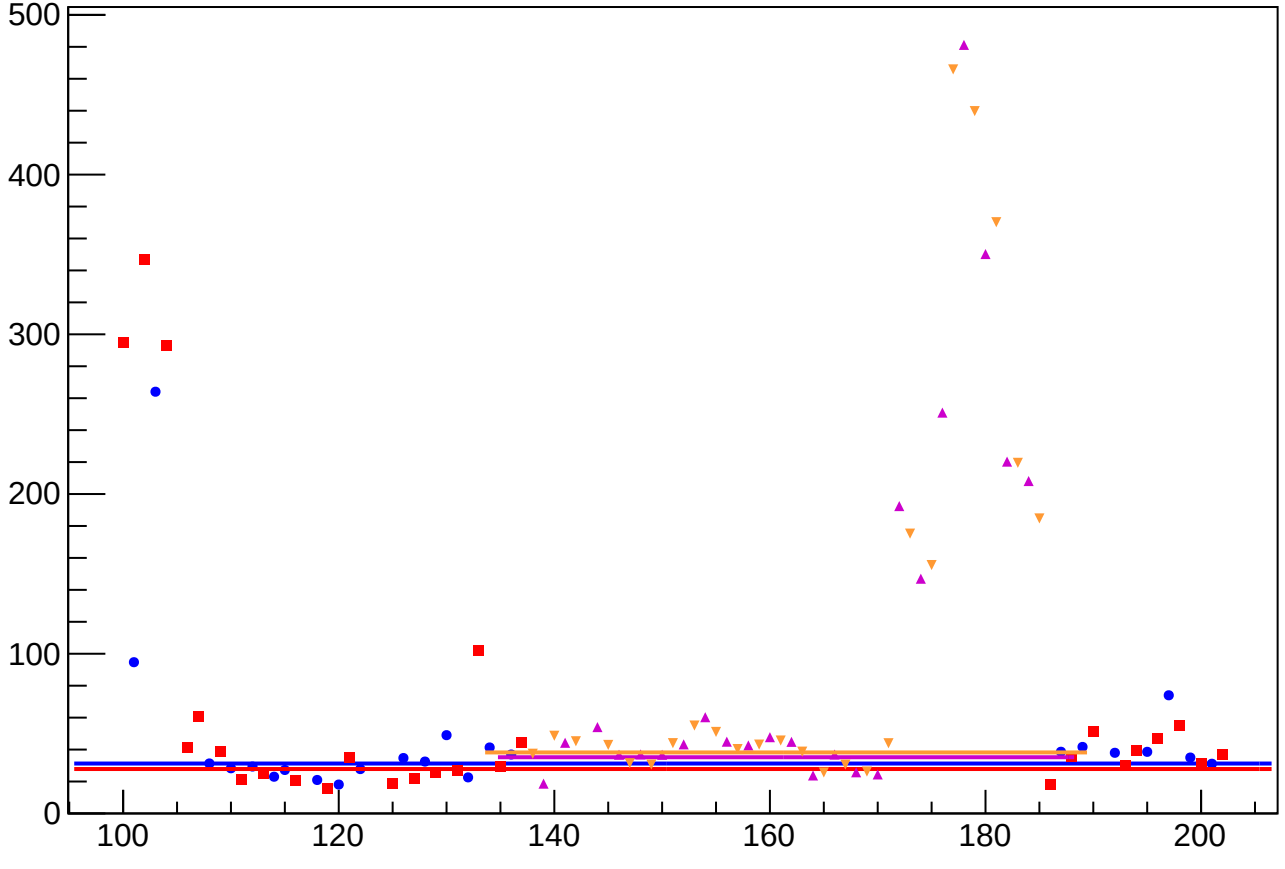
Right: -0.001+/-0.007 χ^2/NDF: 30.5/49

In: -0.008+/-0.007 χ^2/NDF:41.1/45

Out: 0.009+/-0.007 χ^2/NDF:50.2/50

All: 0.001+/-0.005 χ^2/NDF: 94.2/96

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.258+/-0.007 χ^2/NDF: 3026195.5/22

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.821+/-0.006 χ^2/NDF: 4341493.9/26

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

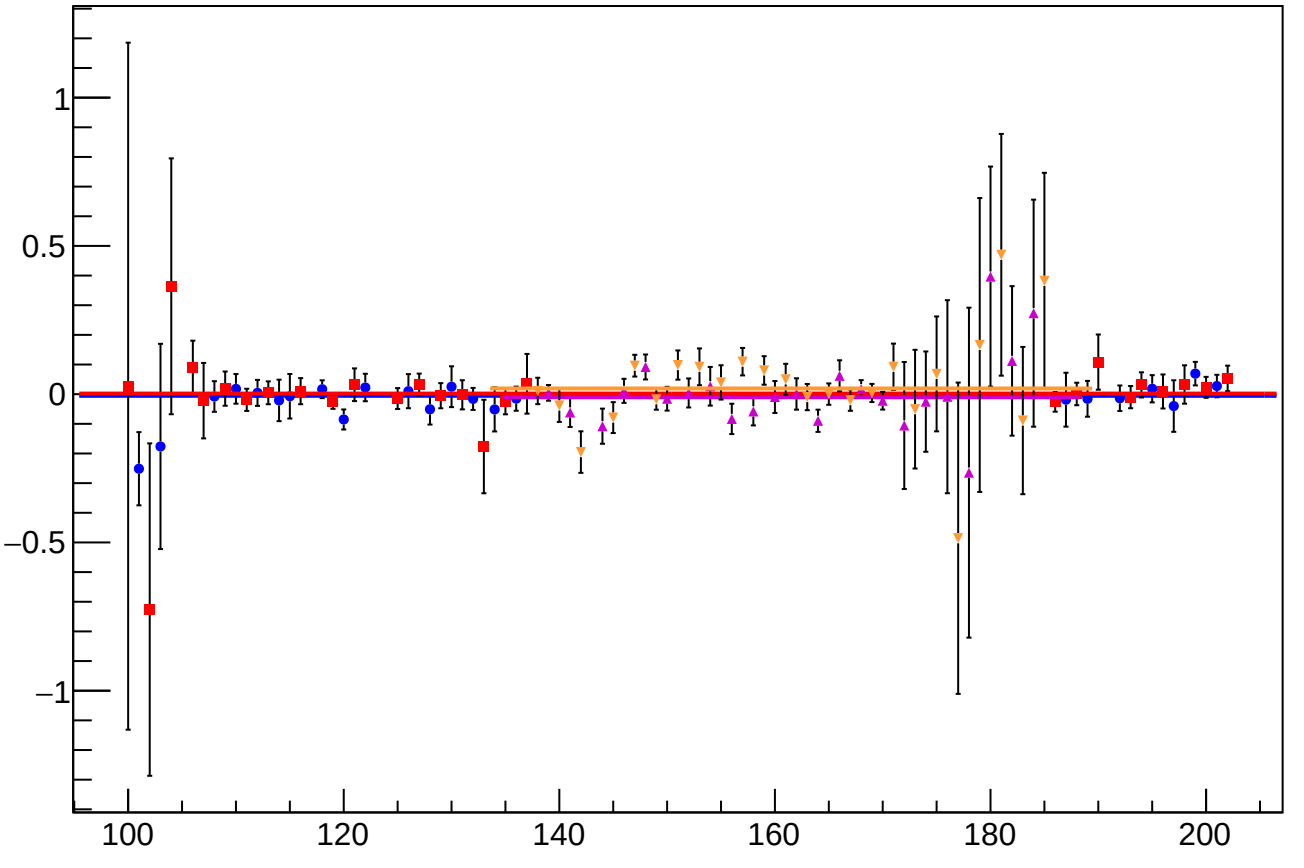
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 29.302+/-0.005 χ^2/NDF: 7495122.9/49

In: 33.229+/-0.005 χ^2/NDF:12564143.6/45

Out: 32.041+/-0.005 χ^2/NDF:13724236.3/50

All: 32.604+/-0.004 χ^2/NDF: 26316542.1/96



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

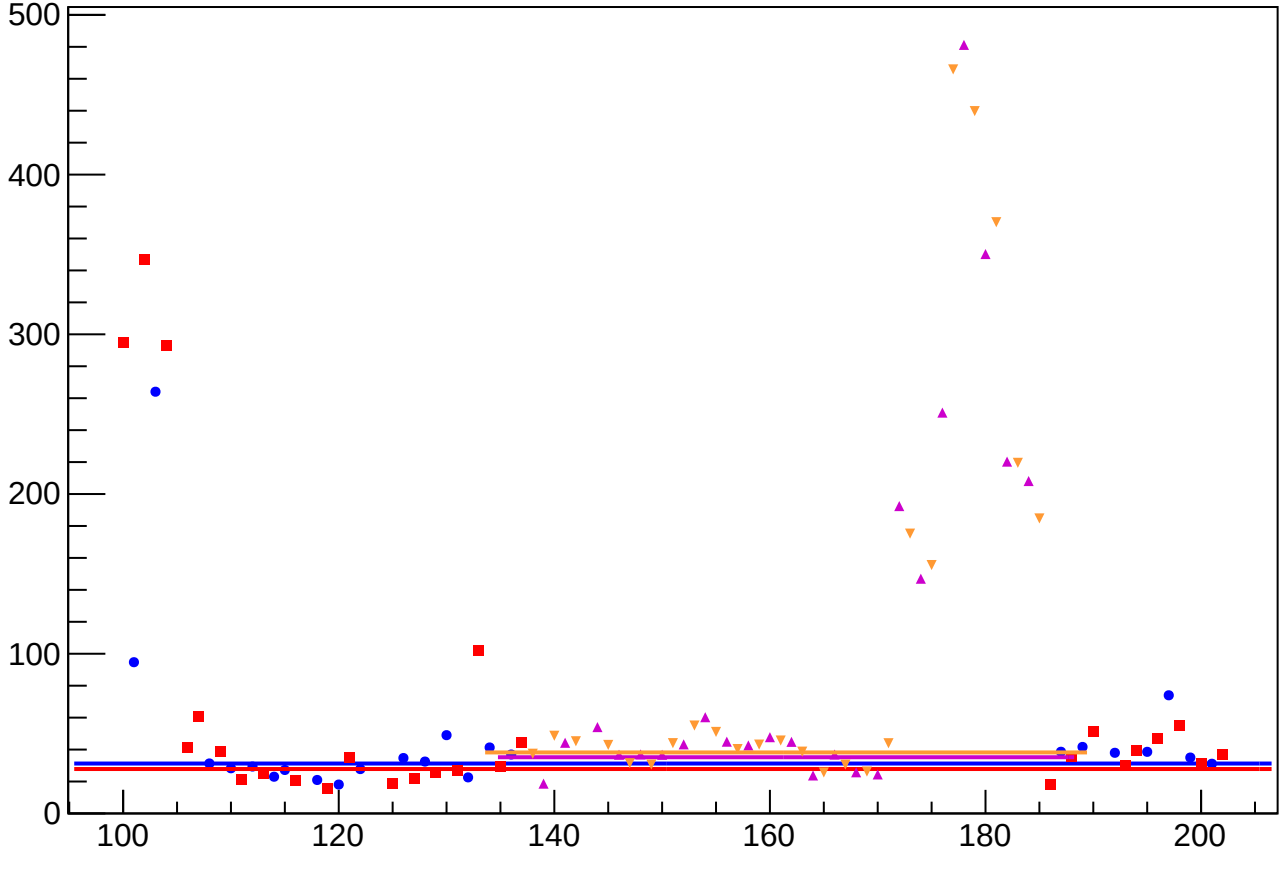
Right: -0.001+/-0.007 χ^2/NDF: 30.5/49

In: -0.008+/-0.007 χ^2/NDF:41.1/45

Out: 0.009+/-0.007 χ^2/NDF:50.2/50

All: 0.001+/-0.005 χ^2/NDF: 94.2/96

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.258+/-0.007 χ^2/NDF: 3026195.5/22

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.821+/-0.006 χ^2/NDF: 4341493.9/26

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

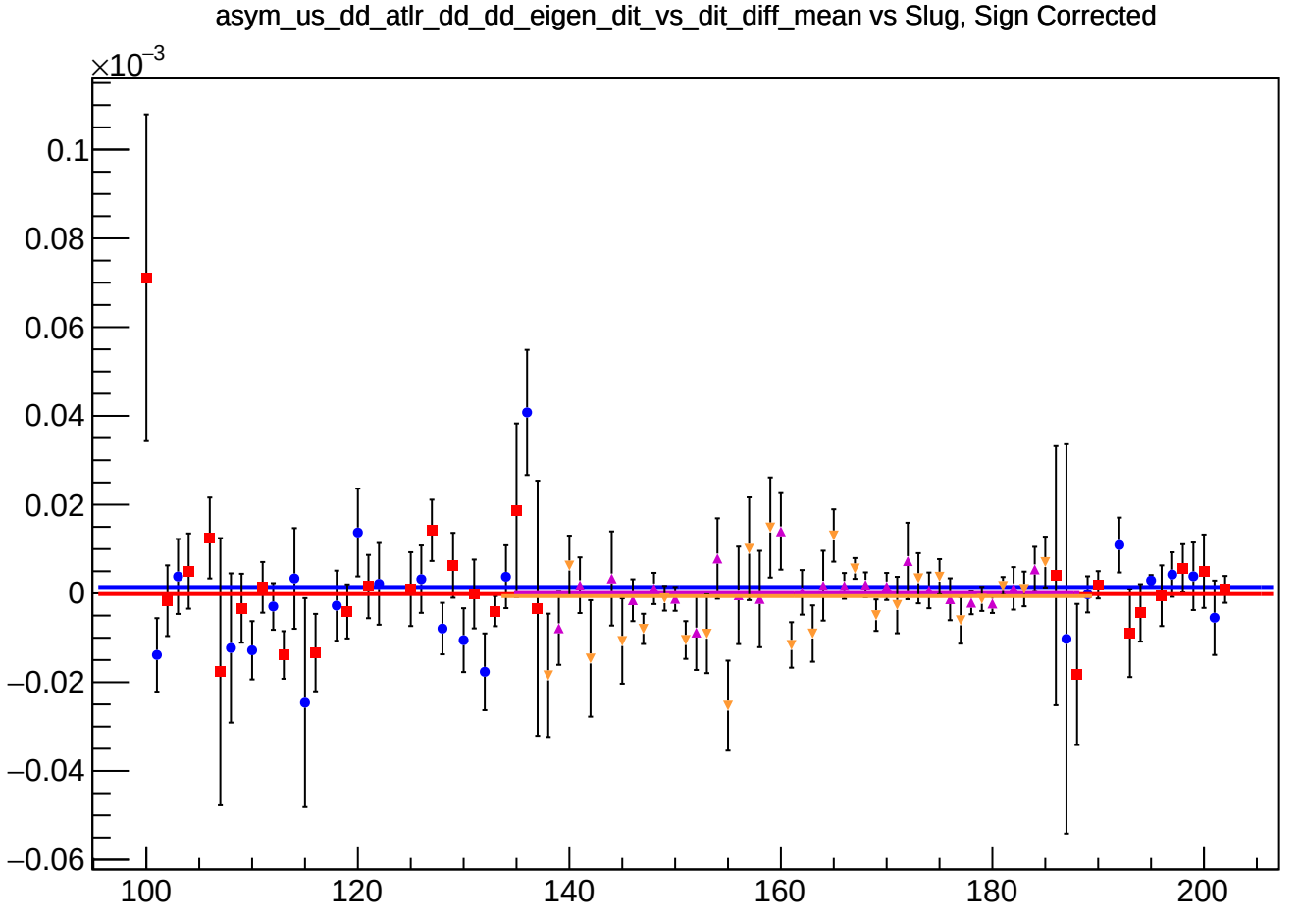
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 29.302+/-0.005 χ^2/NDF: 7495122.9/49

In: 33.229+/-0.005 χ^2/NDF:12564143.6/45

Out: 32.041+/-0.005 χ^2/NDF:13724236.3/50

All: 32.604+/-0.004 χ^2/NDF: 26316542.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

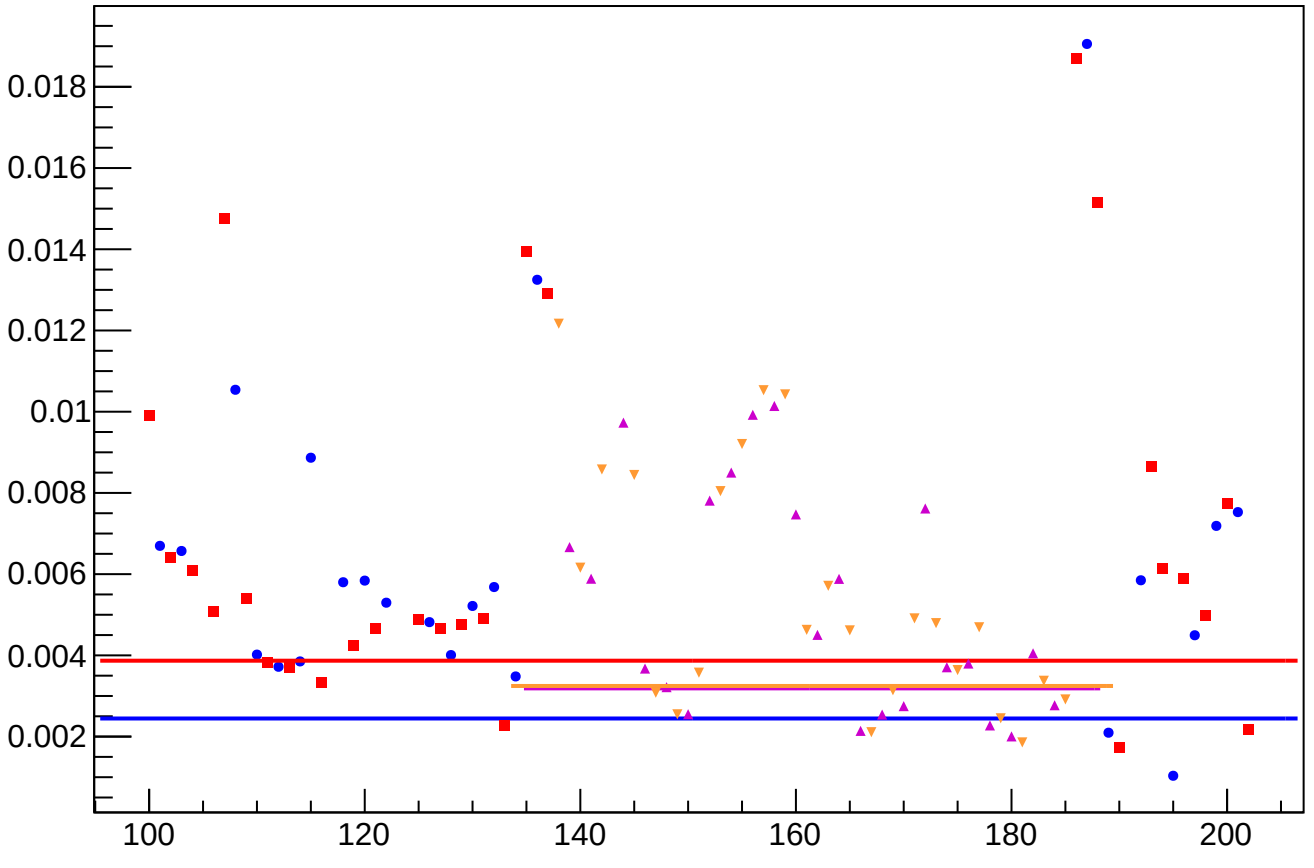
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 65.1/49

In: 0.000+/-0.000 χ^2/NDF:48.2/45

Out: -0.000+/-0.000 χ^2/NDF:79.3/50

All: 0.000+/-0.000 χ^2/NDF: 128.9/96



Right In: 0.002+/-0.000 χ^2/NDF: 10229859.9/22

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 6606825.4/26

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

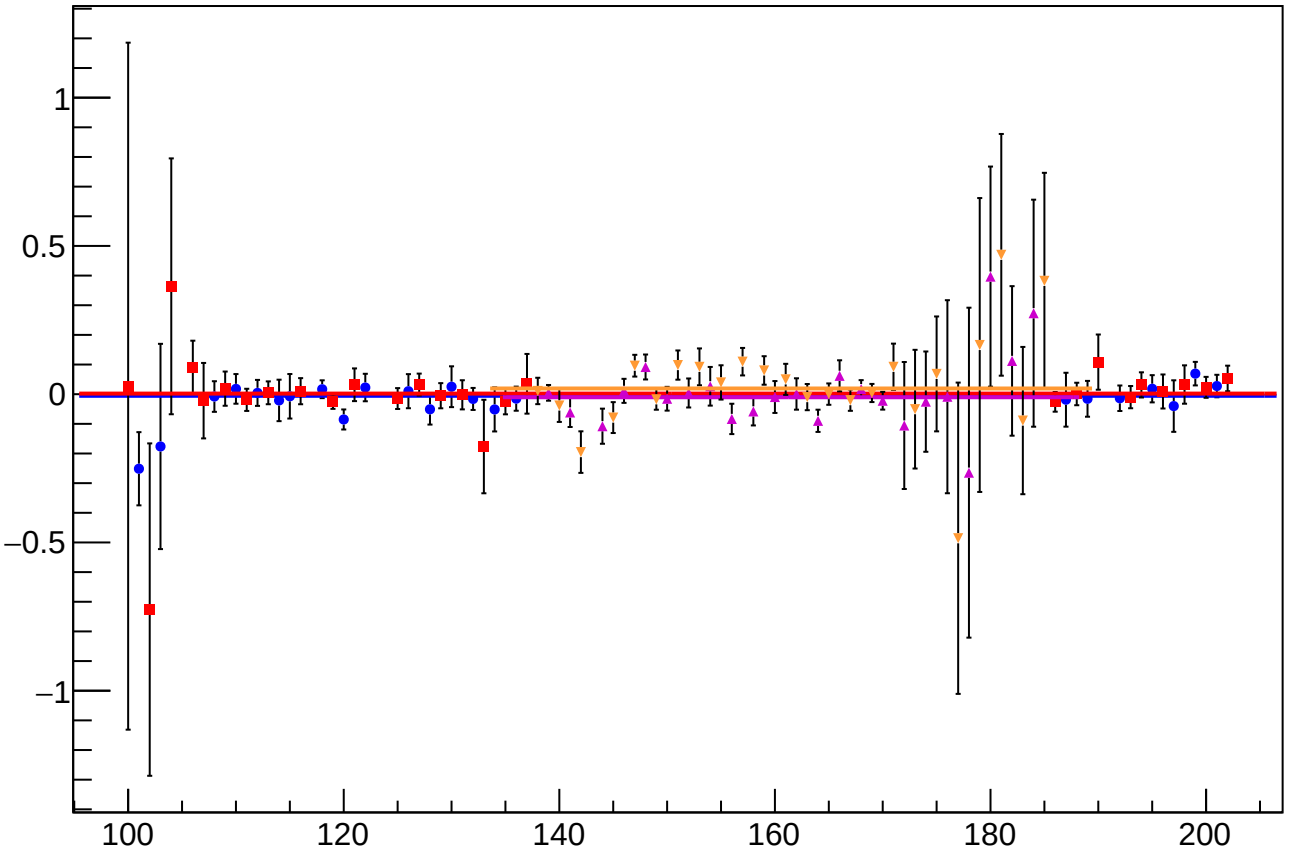
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 18506351.0/49

In: 0.003+/-0.000 χ^2/NDF:18189829.7/45

Out: 0.003+/-0.000 χ^2/NDF:14688811.9/50

All: 0.003+/-0.000 χ^2/NDF: 33656693.6/96



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

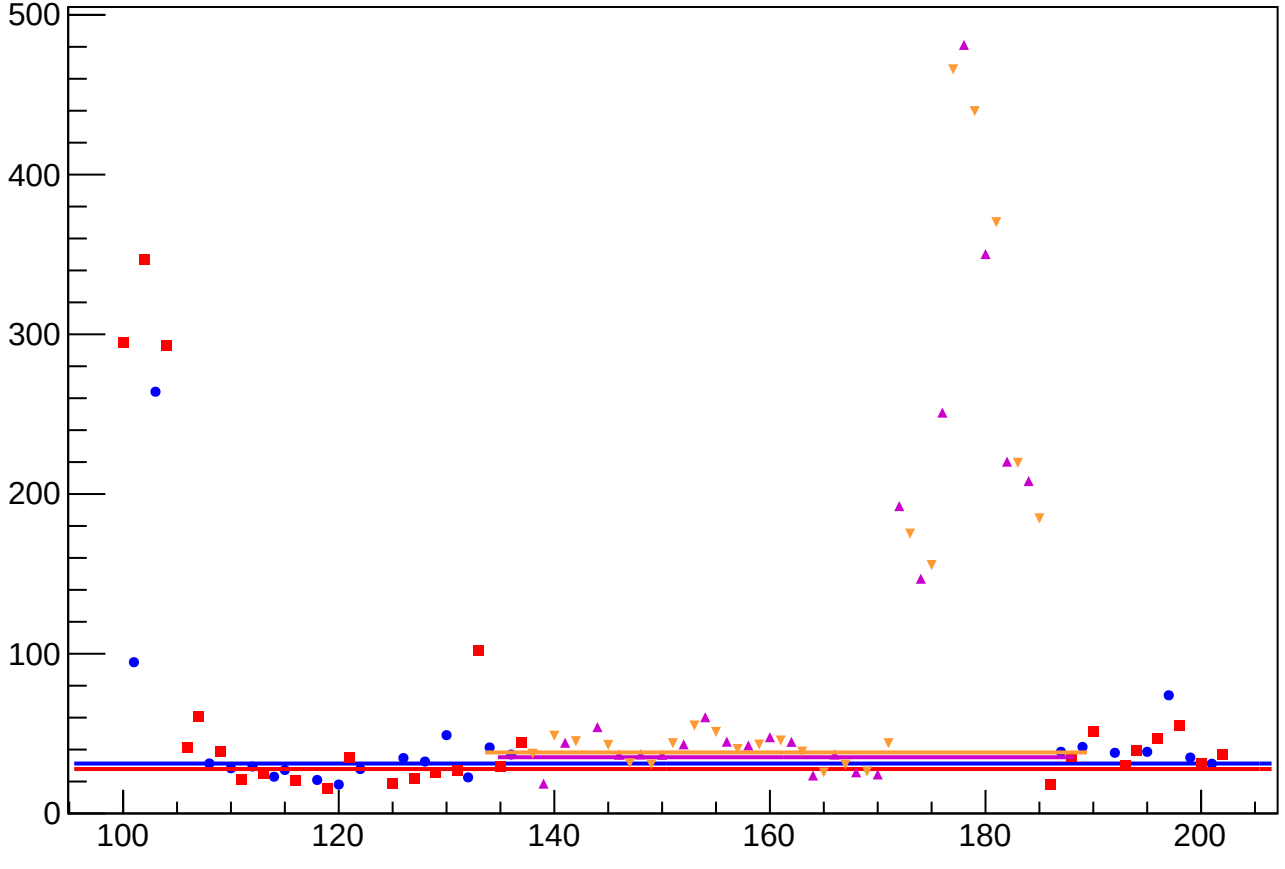
Right: -0.001+/-0.007 χ^2/NDF: 30.4/49

In: -0.008+/-0.007 χ^2/NDF:41.1/45

Out: 0.009+/-0.007 χ^2/NDF:50.2/50

All: 0.001+/-0.005 χ^2/NDF: 94.2/96

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.258+/-0.007 χ^2/NDF: 3026229.6/22

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.819+/-0.006 χ^2/NDF: 4341939.6/26

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

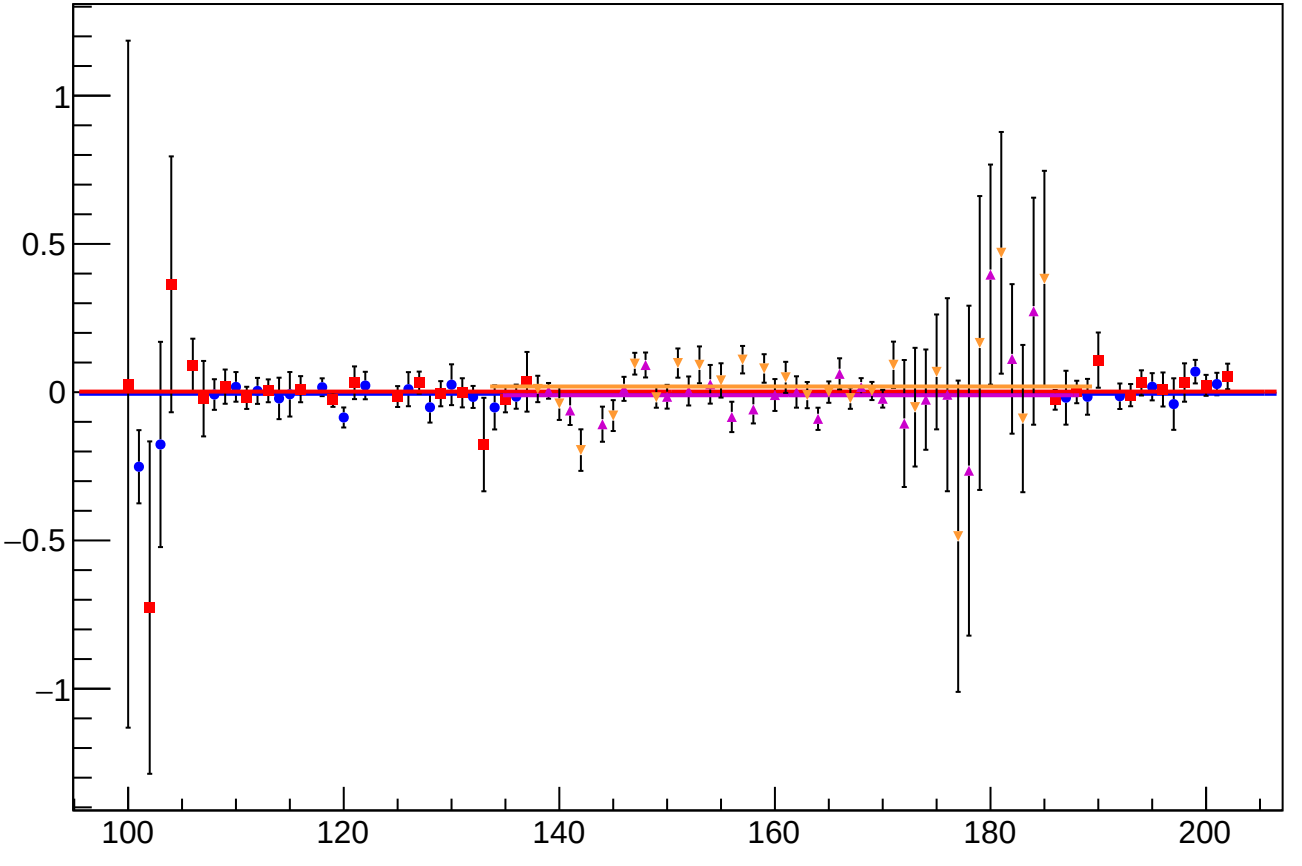
Right: 29.300+/-0.005 χ^2/NDF: 7495747.8/49

In: 33.228+/-0.005 χ^2/NDF:12564589.8/45

Out: 32.039+/-0.005 χ^2/NDF:13725232.6/50

All: 32.603+/-0.004 χ^2/NDF: 26318049.6/96

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

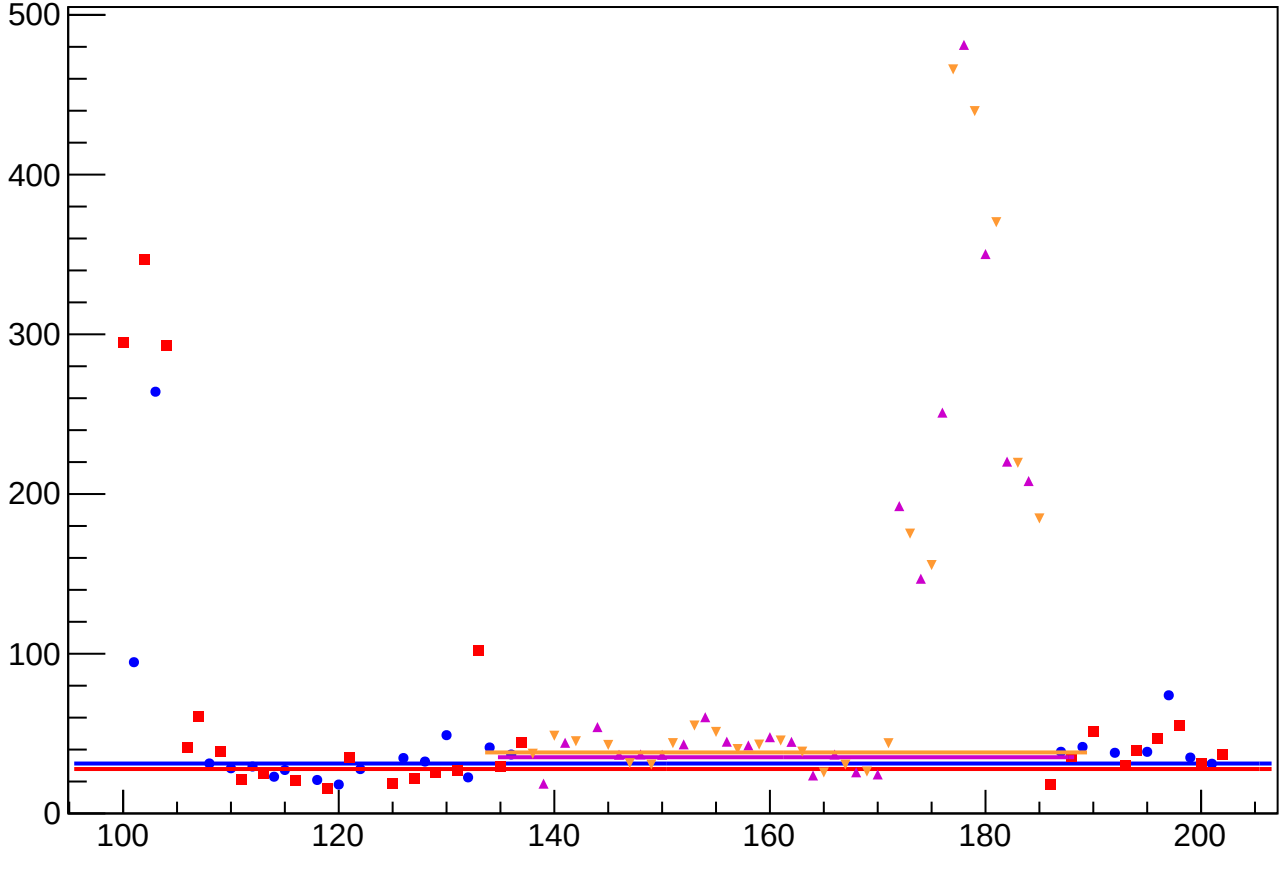
Right: -0.001+/-0.007 χ^2/NDF: 30.4/49

In: -0.008+/-0.007 χ^2/NDF:41.1/45

Out: 0.009+/-0.007 χ^2/NDF:50.2/50

All: 0.001+/-0.005 χ^2/NDF: 94.2/96

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.258+/-0.007 χ^2/NDF: 3026229.6/22

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.819+/-0.006 χ^2/NDF: 4341939.6/26

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

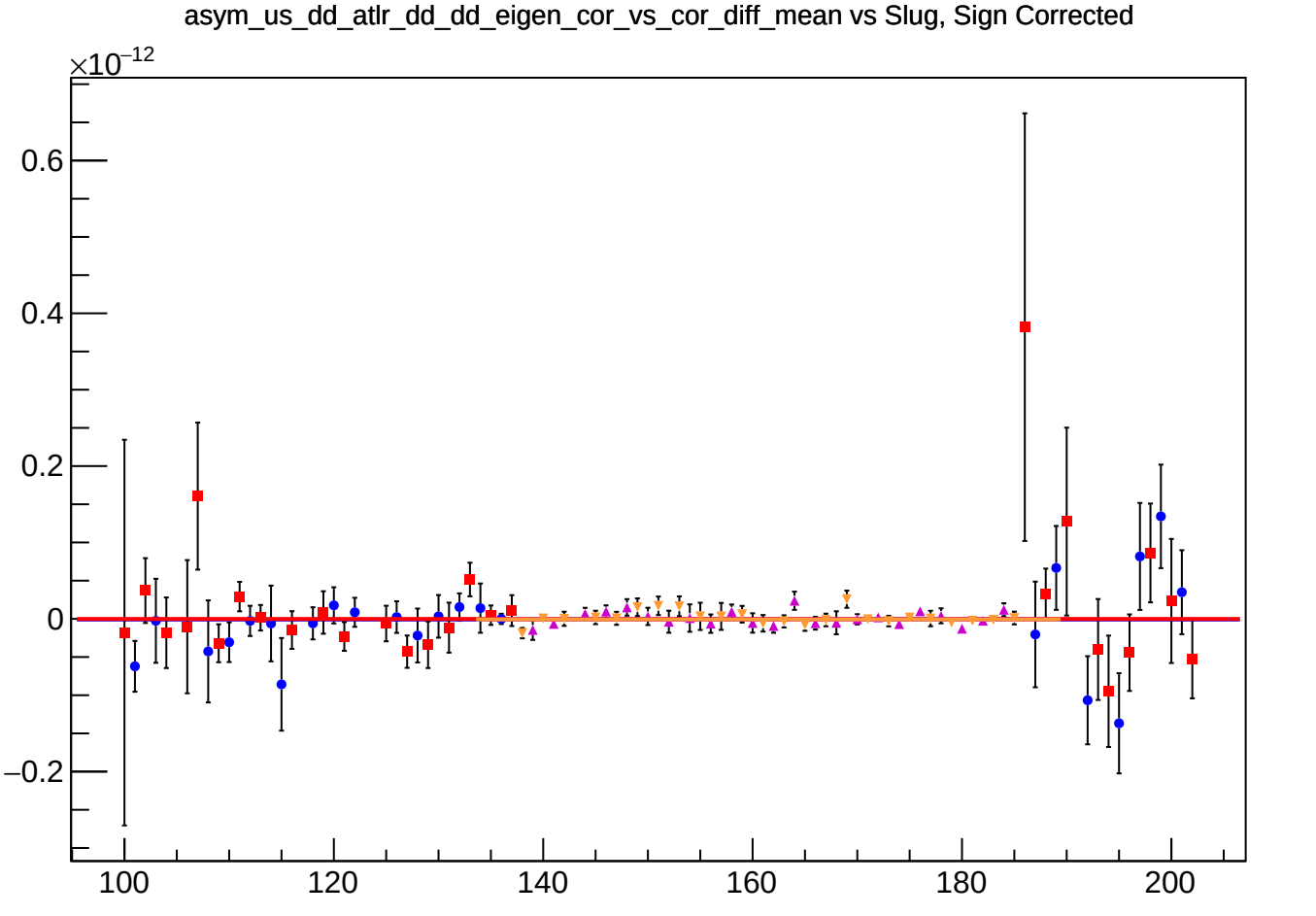
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 29.300+/-0.005 χ^2/NDF: 7495747.8/49

In: 33.228+/-0.005 χ^2/NDF:12564589.8/45

Out: 32.039+/-0.005 χ^2/NDF:13725232.6/50

All: 32.603+/-0.004 χ^2/NDF: 26318049.6/96



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.7/26

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

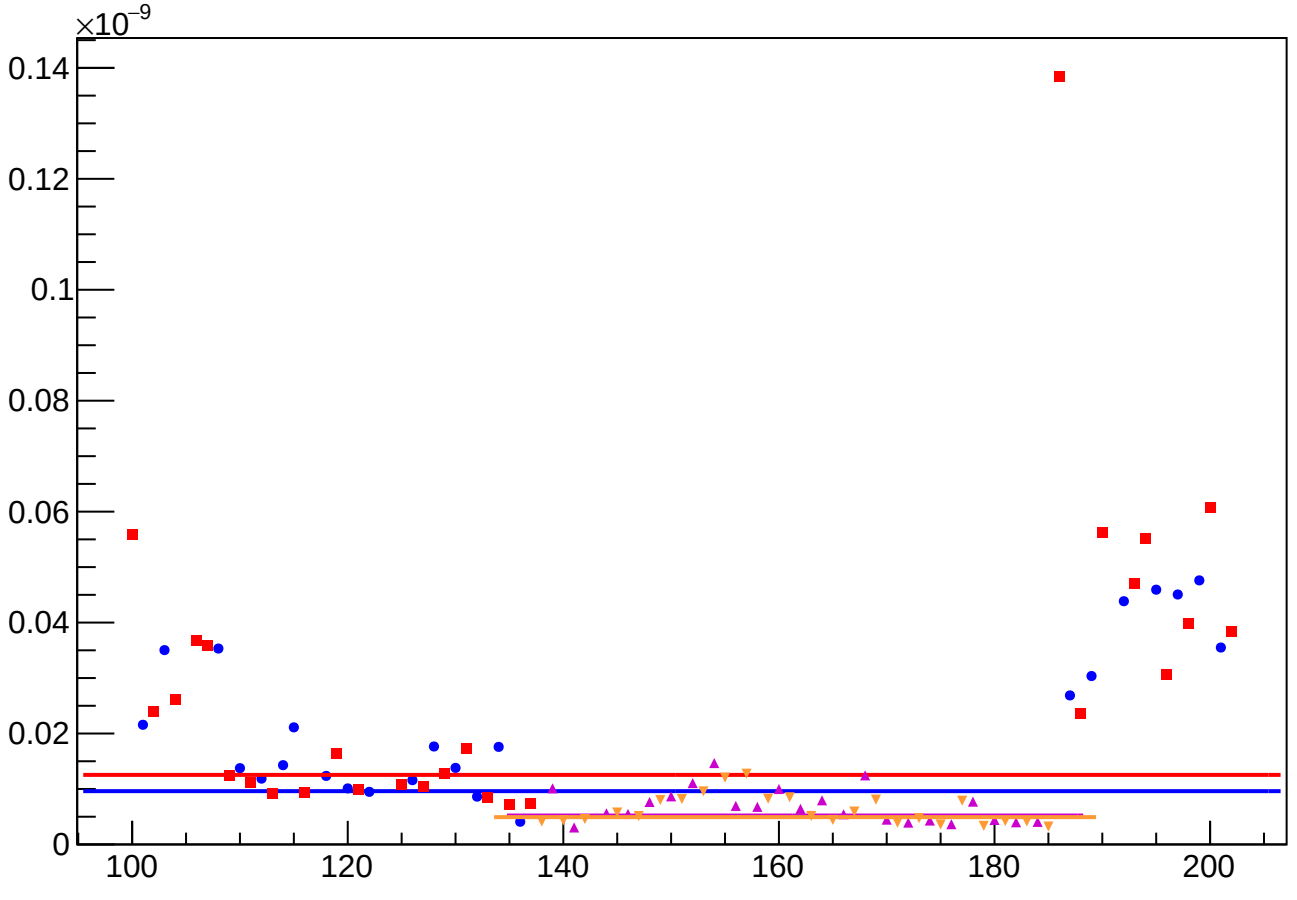
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 55.2/49

In: -0.000+/-0.000 χ^2/NDF:50.7/45

Out: -0.000+/-0.000 χ^2/NDF:51.8/50

All: -0.000+/-0.000 χ^2/NDF: 102.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 6153330.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5397019.5/26

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

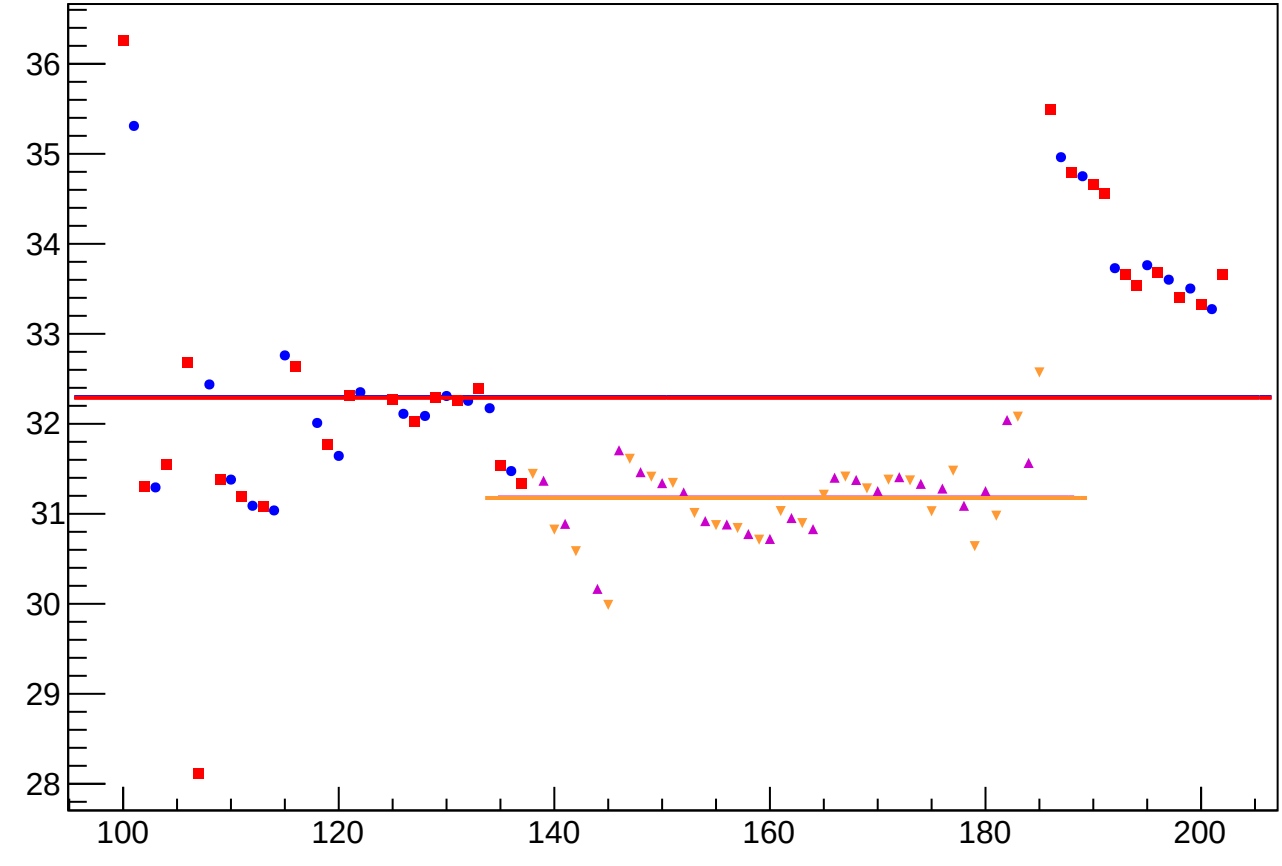
Right: 0.000+/-0.000 χ^2/NDF: 11887024.3/49

In: 0.000+/-0.000 χ^2/NDF:11170485.0/45

Out: 0.000+/-0.000 χ^2/NDF:11692234.4/50

All: 0.000+/-0.000 χ^2/NDF: 22875671.2/96

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.297+/-0.000 χ^2/NDF: 1524330875.5/22

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.289+/-0.000 χ^2/NDF: 1692418432.6/27

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

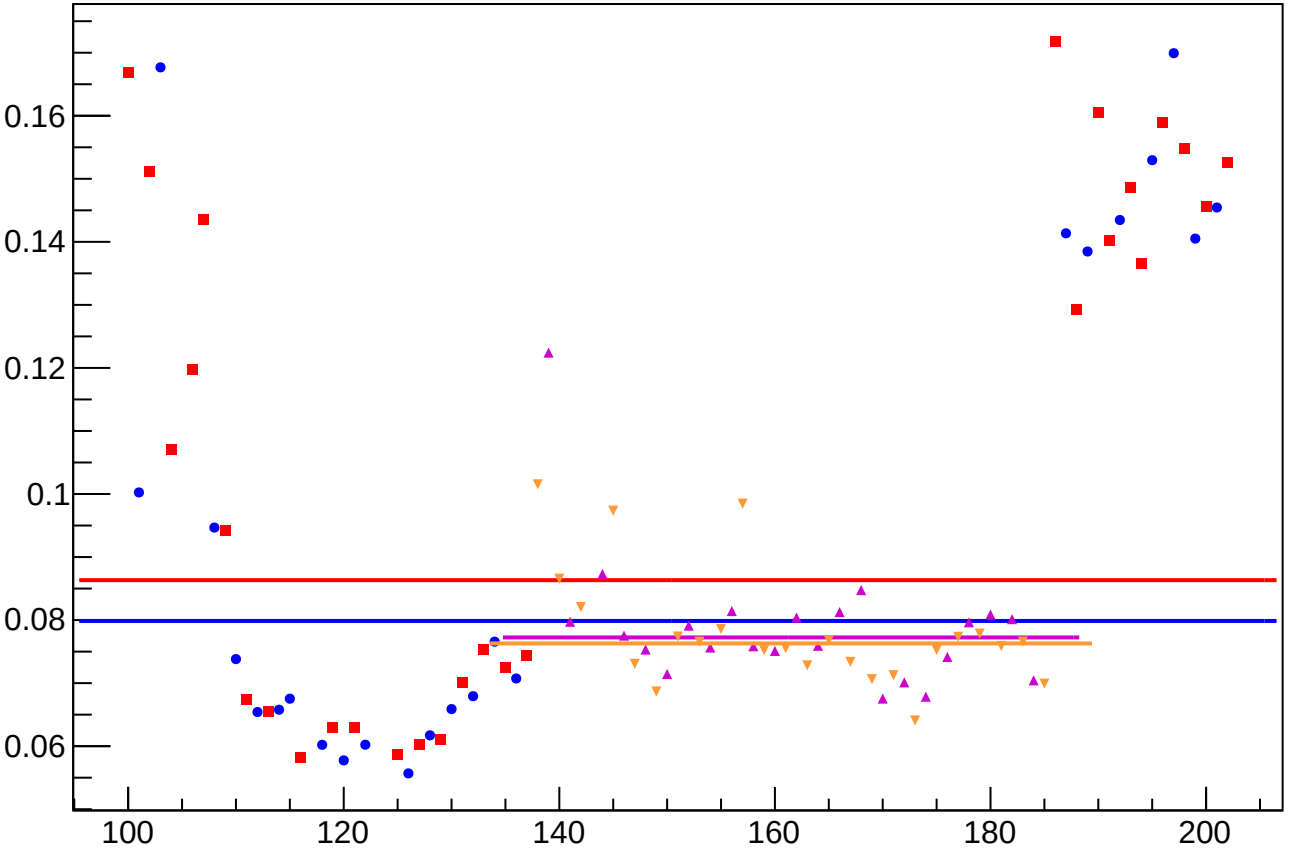
Right: 32.293+/-0.000 χ^2/NDF: 3216800952.2/50

In: 31.584+/-0.000 χ^2/NDF:3146507879.6/45

Out: 31.567+/-0.000 χ^2/NDF:3476887296.3/51

All: 31.576+/-0.000 χ^2/NDF: 6623974764.6/9

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF: 3162301.5/22

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.086+/-0.000 χ^2/NDF: 3854115.0/27

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

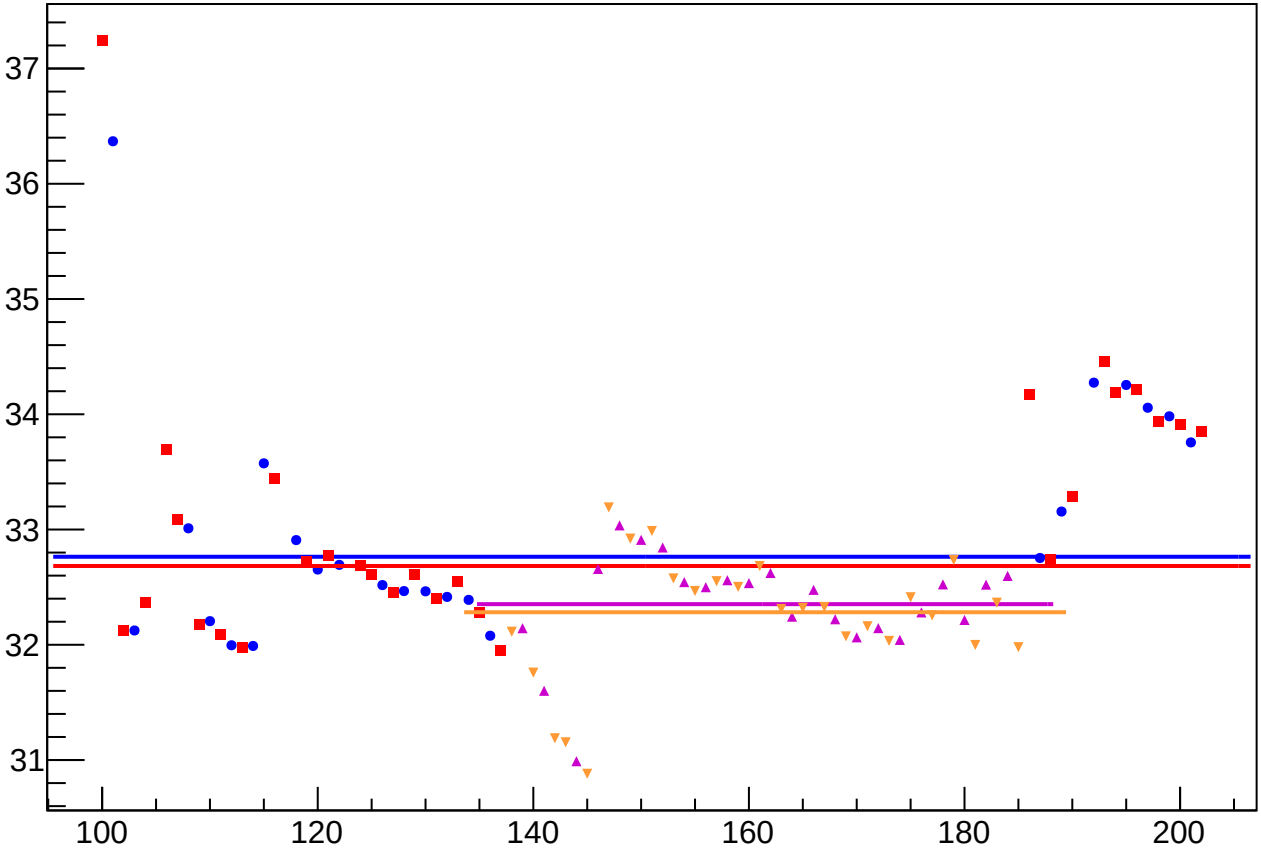
Right: 0.083+/-0.000 χ^2/NDF: 7081877.1/50

In: 0.078+/-0.000 χ^2/NDF:3541184.3/45

Out: 0.080+/-0.000 χ^2/NDF:4414839.5/51

All: 0.079+/-0.000 χ^2/NDF: 7967766.7/97

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.764+/-0.000 χ^2/NDF: 906182946.3/22

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.684+/-0.000 χ^2/NDF: 433123831.8/27

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

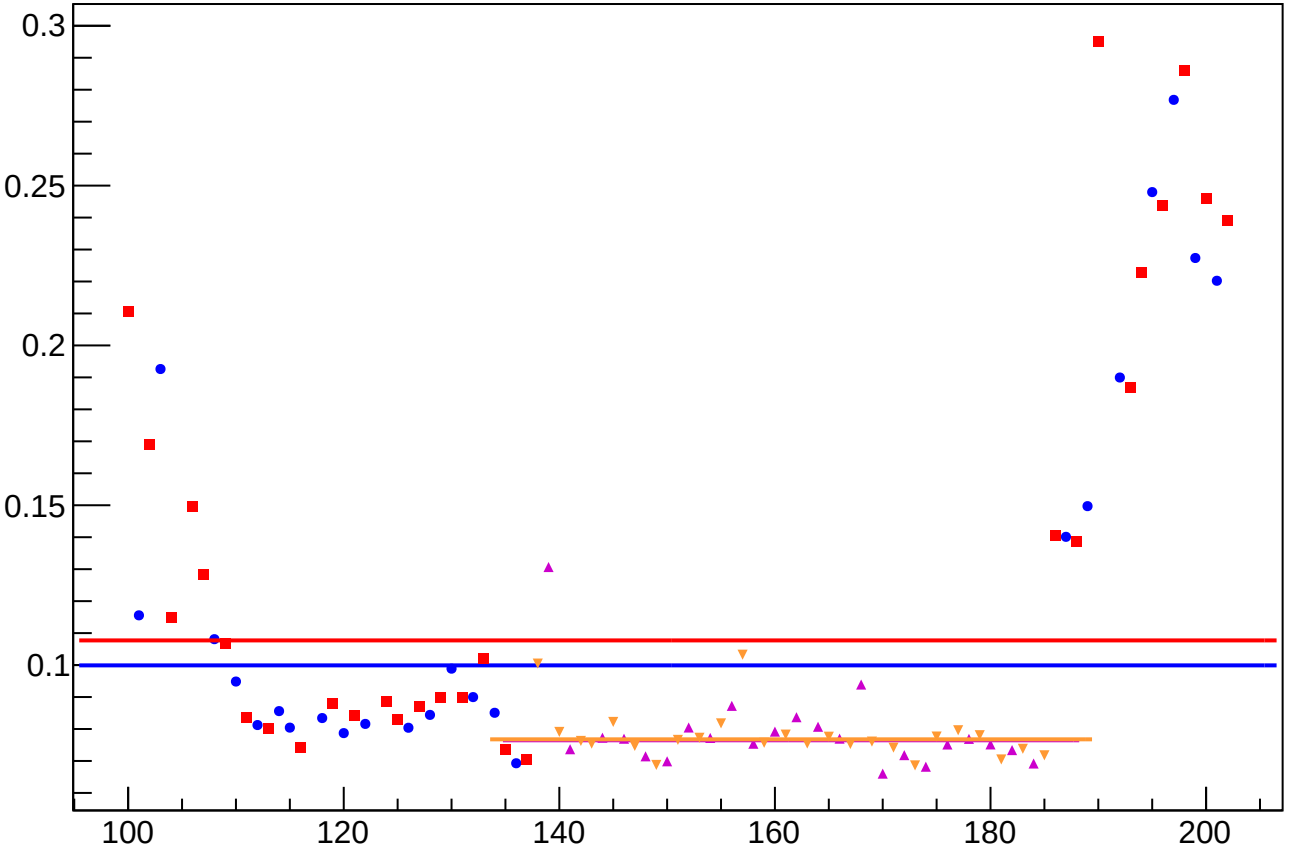
Right: 32.724+/-0.000 χ^2/NDF: 1342369340.0/50

In: 32.455+/-0.000 χ^2/NDF:1617431646.0/45

Out: 32.379+/-0.000 χ^2/NDF:1388675631.0/52

All: 32.417+/-0.000 χ^2/NDF: 3017291977.8/9

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.100+/-0.000 χ^2/NDF: 3704244.3/22

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.108+/-0.000 χ^2/NDF: 4427661.5/27

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

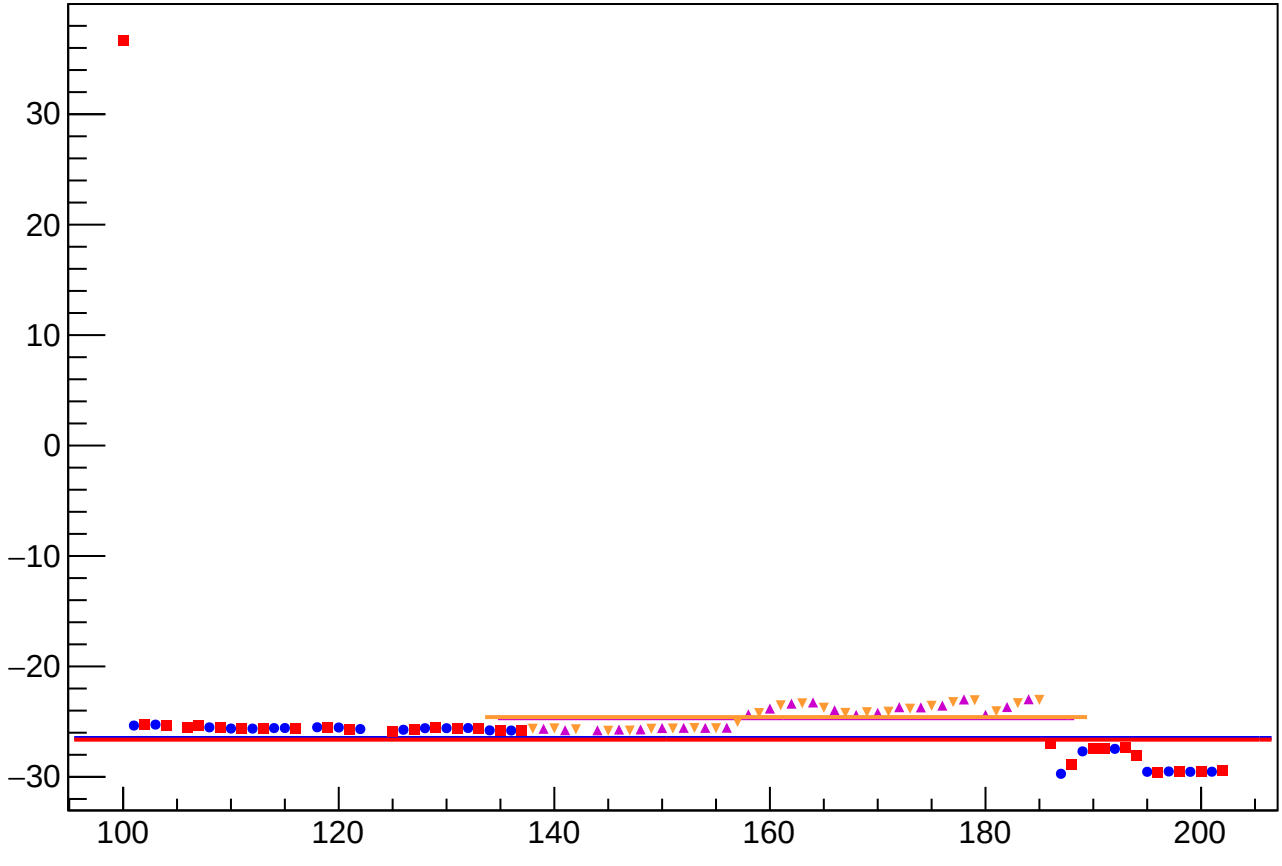
Right: 0.104+/-0.000 χ^2/NDF: 8190178.1/50

In: 0.082+/-0.000 χ^2/NDF:4975266.4/45

Out: 0.084+/-0.000 χ^2/NDF:6065458.7/52

All: 0.083+/-0.000 χ^2/NDF: 11055176.3/98

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.480+/-0.000 χ^2/NDF: 13571880523.3/22

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.627+/-0.000 χ^2/NDF: 24305766331.4/27

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

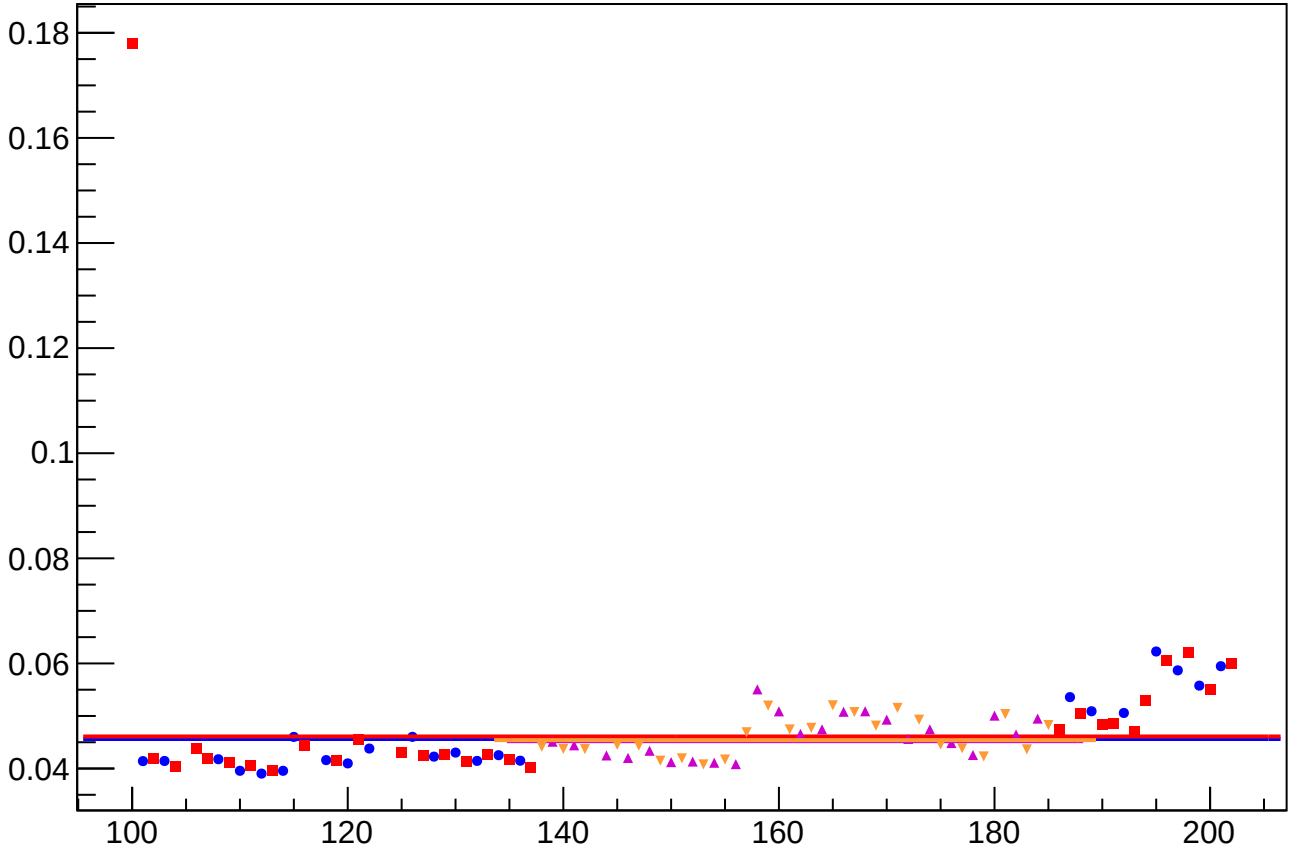
Right: -26.559+/-0.000 χ^2/NDF: 37943566261.0/50

In: -25.397+/-0.000 χ^2/NDF:33441320318.8/45

Out: -25.459+/-0.000 χ^2/NDF:49013643337.7/51

All: -25.429+/-0.000 χ^2/NDF: 82483500287.5

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.046+/-0.000 χ^2/NDF: 522286.4/22

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.046+/-0.000 χ^2/NDF: 624272.9/27

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

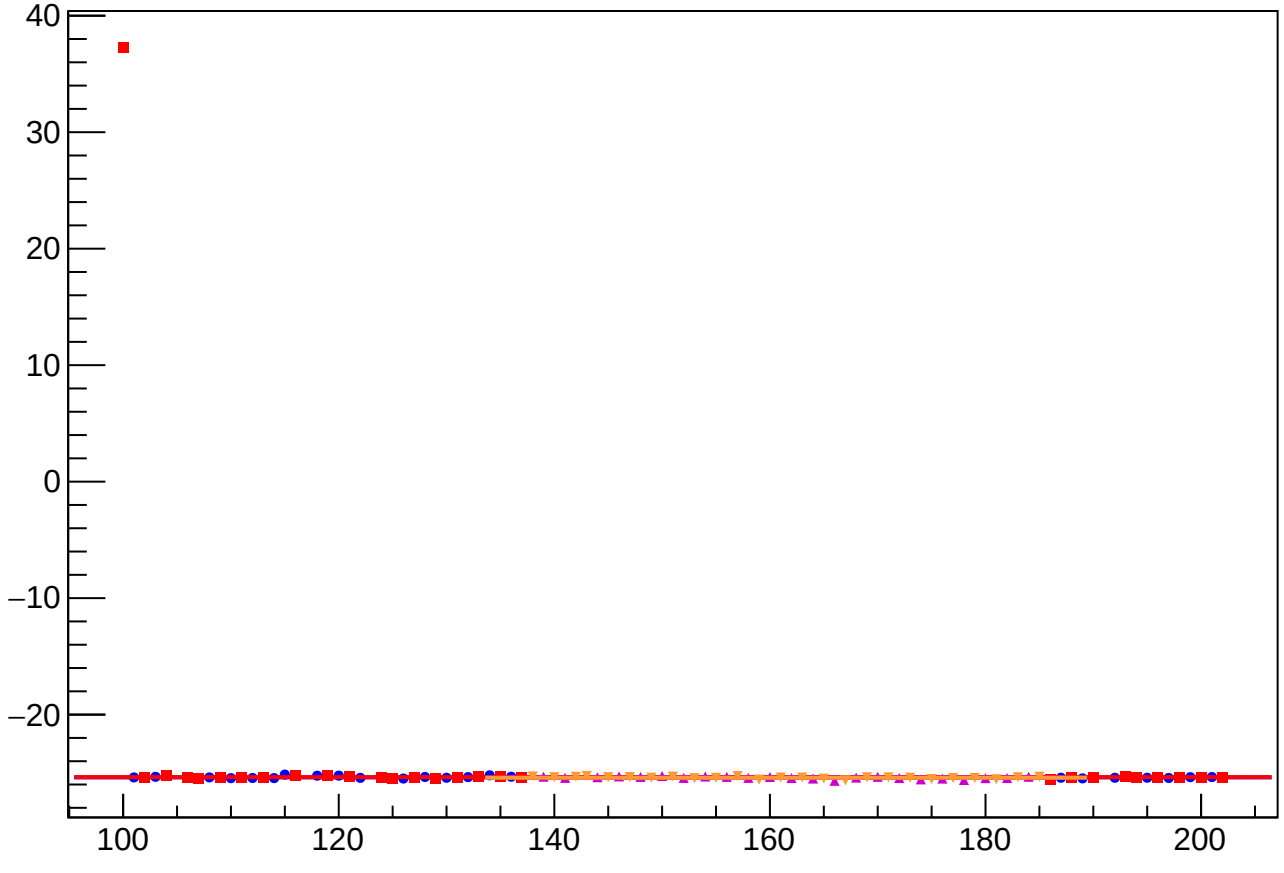
Right: 0.046+/-0.000 χ^2/NDF: 1147948.4/50

In: 0.045+/-0.000 χ^2/NDF:768150.9/45

Out: 0.046+/-0.000 χ^2/NDF:833396.9/51

All: 0.046+/-0.000 χ^2/NDF: 1603182.8/97

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.385+/-0.000 χ^2/NDF: 18466459.3/22

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.370+/-0.000 χ^2/NDF: 6330667224.2/27

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

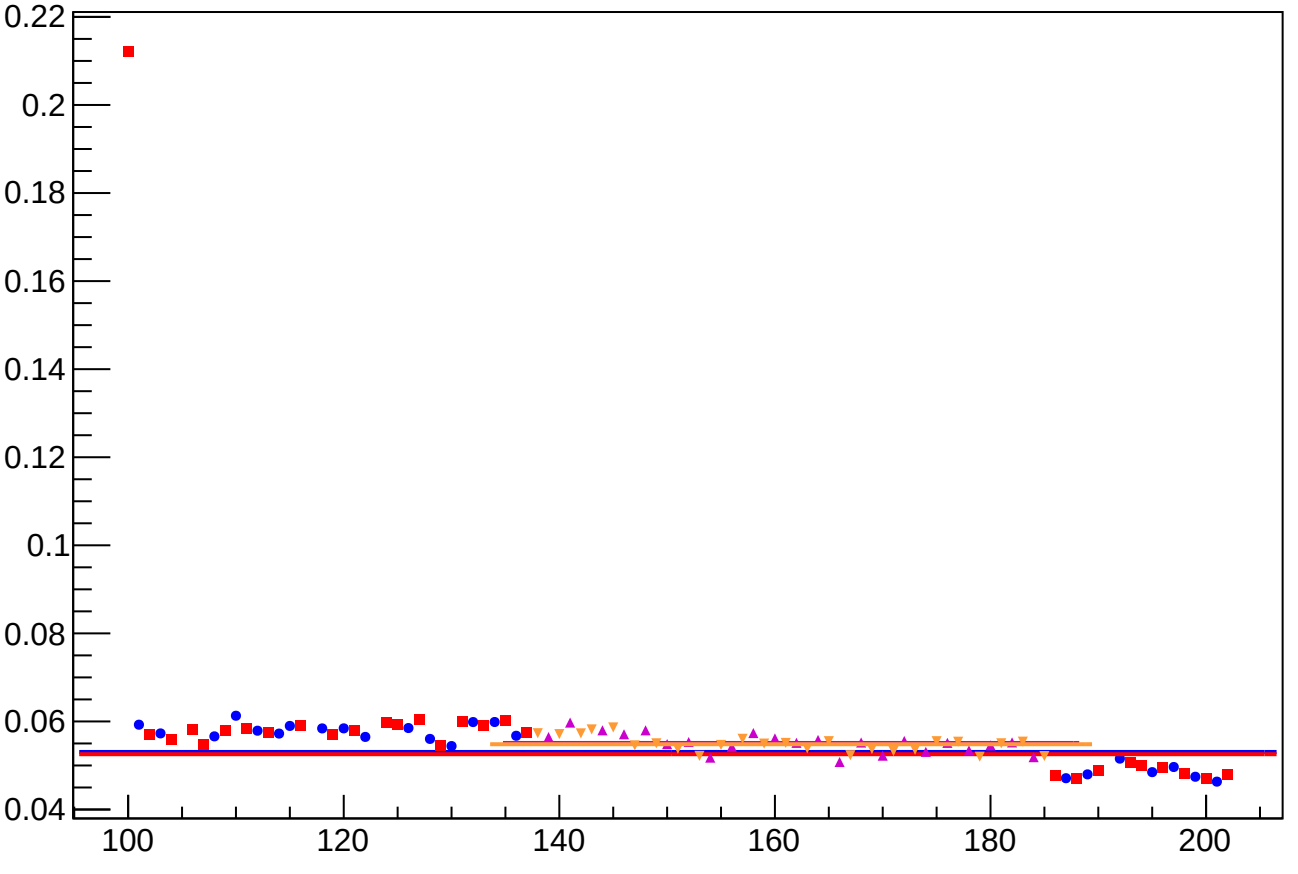
Right: -25.376+/-0.000 χ^2/NDF: 6349658661.3/50

In: -25.402+/-0.000 χ^2/NDF:76461131.8/45

Out: -25.396+/-0.000 χ^2/NDF:6389076810.8/52

All: -25.399+/-0.000 χ^2/NDF: 6465734168.0/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.053+/-0.000 χ^2/NDF: 202763.3/22

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.053+/-0.000 χ^2/NDF: 320636.5/27

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

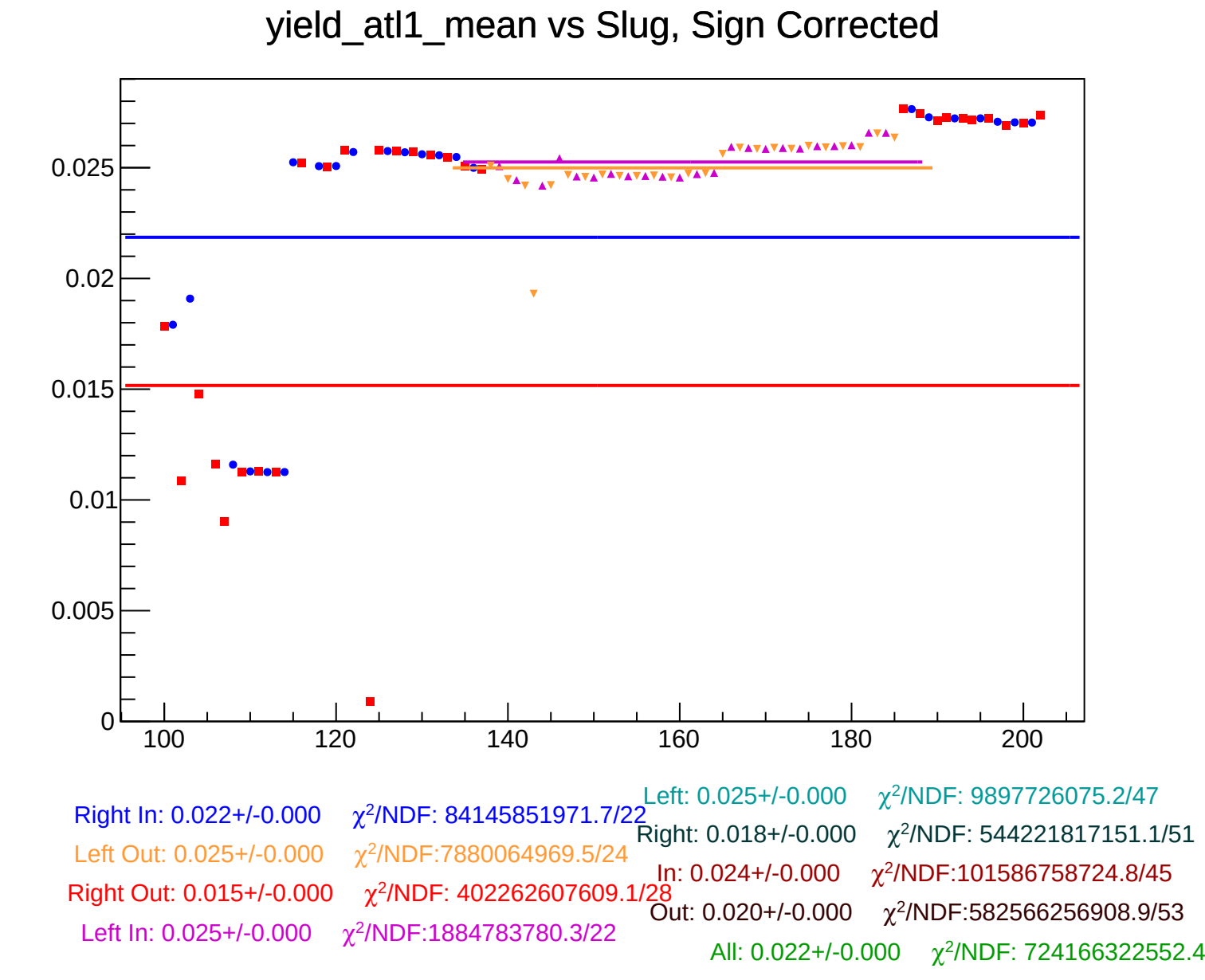
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.053+/-0.000 χ^2/NDF: 524593.2/50

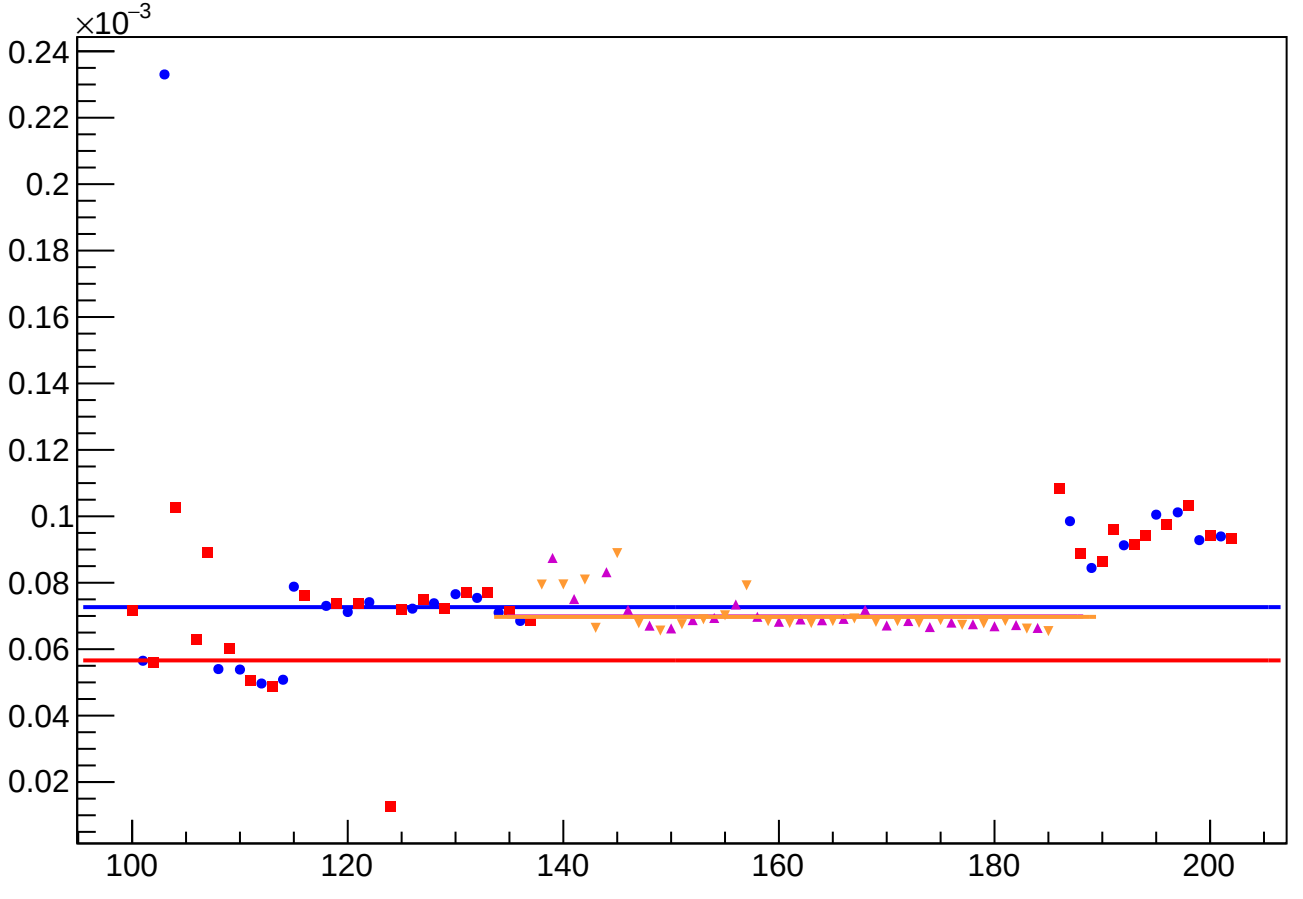
In: 0.054+/-0.000 χ^2/NDF:274724.5/45

Out: 0.054+/-0.000 χ^2/NDF:387116.4/52

All: 0.054+/-0.000 χ^2/NDF: 663892.2/98


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.022+/-0.000 χ²/NDF: 84145851971.7/22
Left Out: 0.025+/-0.000 χ²/NDF:7880064969.5/24
Right Out: 0.015+/-0.000 χ²/NDF: 402262607609.1/28
Left In: 0.025+/-0.000 χ²/NDF:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9897726075.2/47
Right: 0.018+/-0.000 χ²/NDF: 544221817151.1/51
In: 0.024+/-0.000 χ²/NDF:101586758724.8/45
Out: 0.020+/-0.000 χ²/NDF:582566256908.9/53
All: 0.022+/-0.000 χ²/NDF: 724166322552.4

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1557830.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6742493.8/28

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

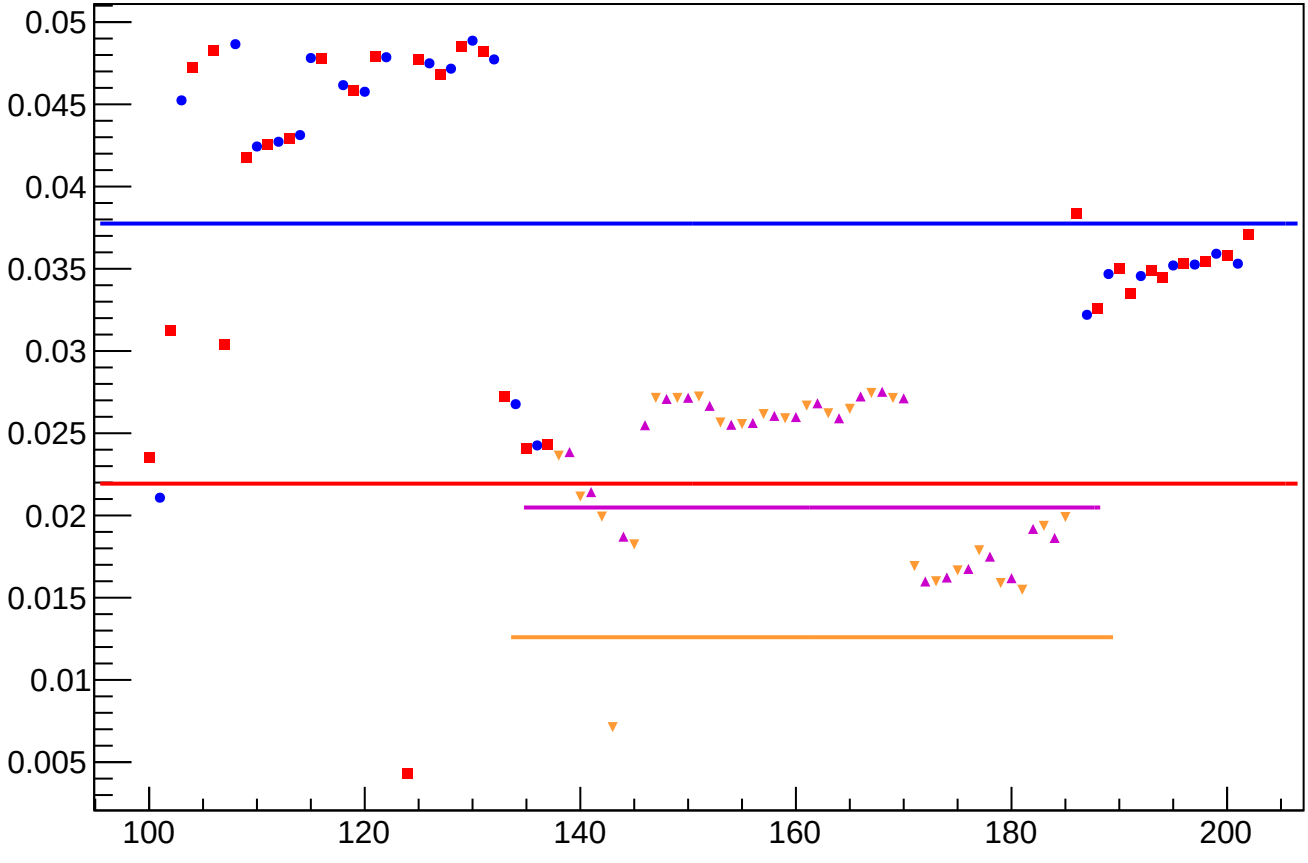
Right: 0.000+/-0.000 χ^2/NDF: 8965175.4/51

In: 0.000+/-0.000 χ^2/NDF:1731236.2/45

Out: 0.000+/-0.000 χ^2/NDF:7544677.1/53

All: 0.000+/-0.000 χ^2/NDF: 9606807.7/99

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7219662059.8/22

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 45592714288.9/28

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

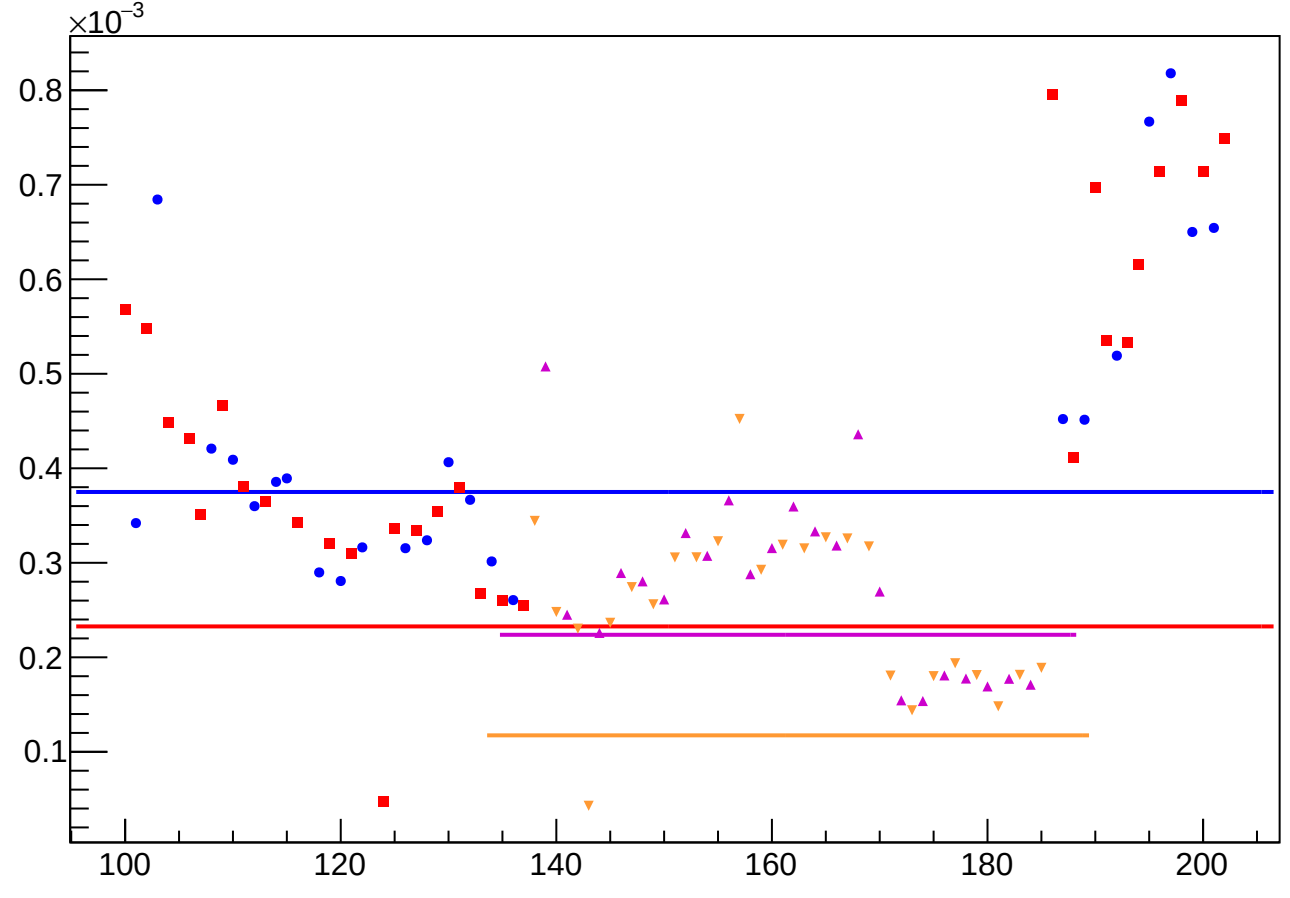
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.027+/-0.000 χ^2/NDF: 64743584931.7/51

In: 0.024+/-0.000 χ^2/NDF:30698179833.5/45

Out: 0.014+/-0.000 χ^2/NDF:93251173298.6/53

All: 0.017+/-0.000 χ^2/NDF: 149045660676.6



Right In: 0.000+/-0.000 χ^2/NDF: 2503083.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11747427.5/28

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

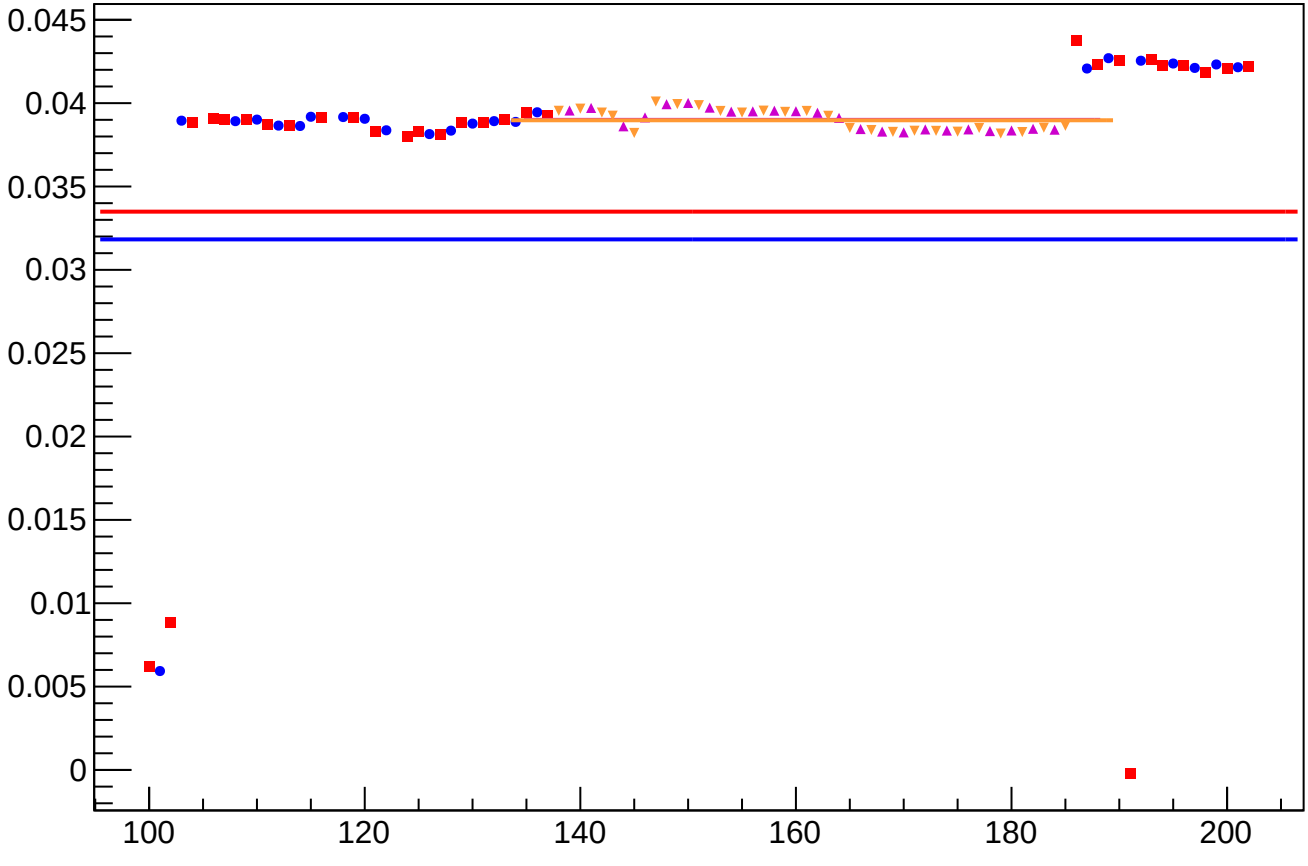
Right: 0.000+/-0.000 χ^2/NDF: 16181347.5/51

In: 0.000+/-0.000 χ^2/NDF:8553707.2/45

Out: 0.000+/-0.000 χ^2/NDF:29282269.7/53

All: 0.000+/-0.000 χ^2/NDF: 45114734.5/99

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 119936012481.9/22

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.033+/-0.000 χ^2/NDF: 114369436414.4/28

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

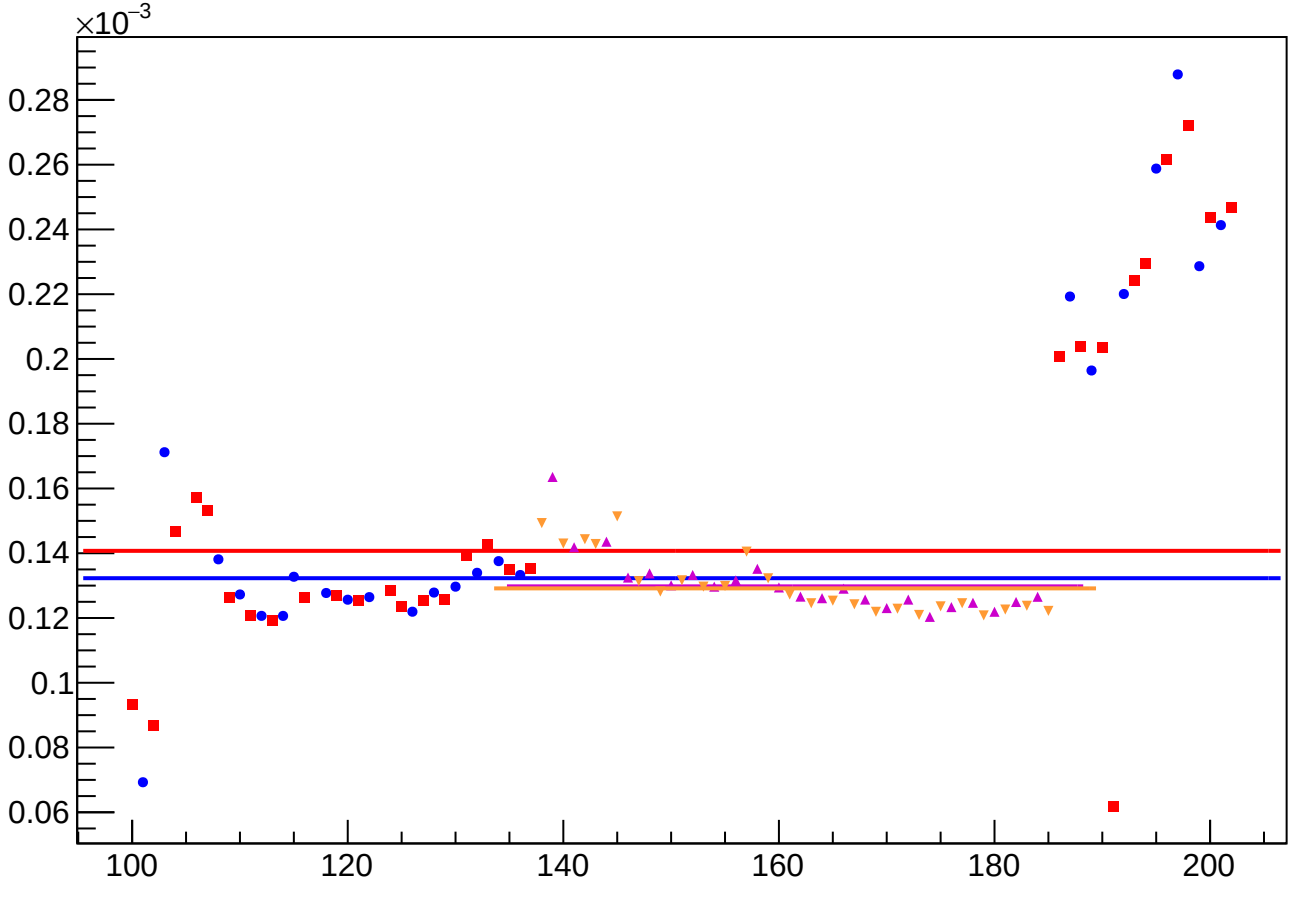
Right: 0.033+/-0.000 χ^2/NDF: 235146905011.3/51

In: 0.036+/-0.000 χ^2/NDF:139967374903.2/45

Out: 0.037+/-0.000 χ^2/NDF:126875461103.5/53

All: 0.037+/-0.000 χ^2/NDF: 267167078632.1

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3133328.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3237071.3/28

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

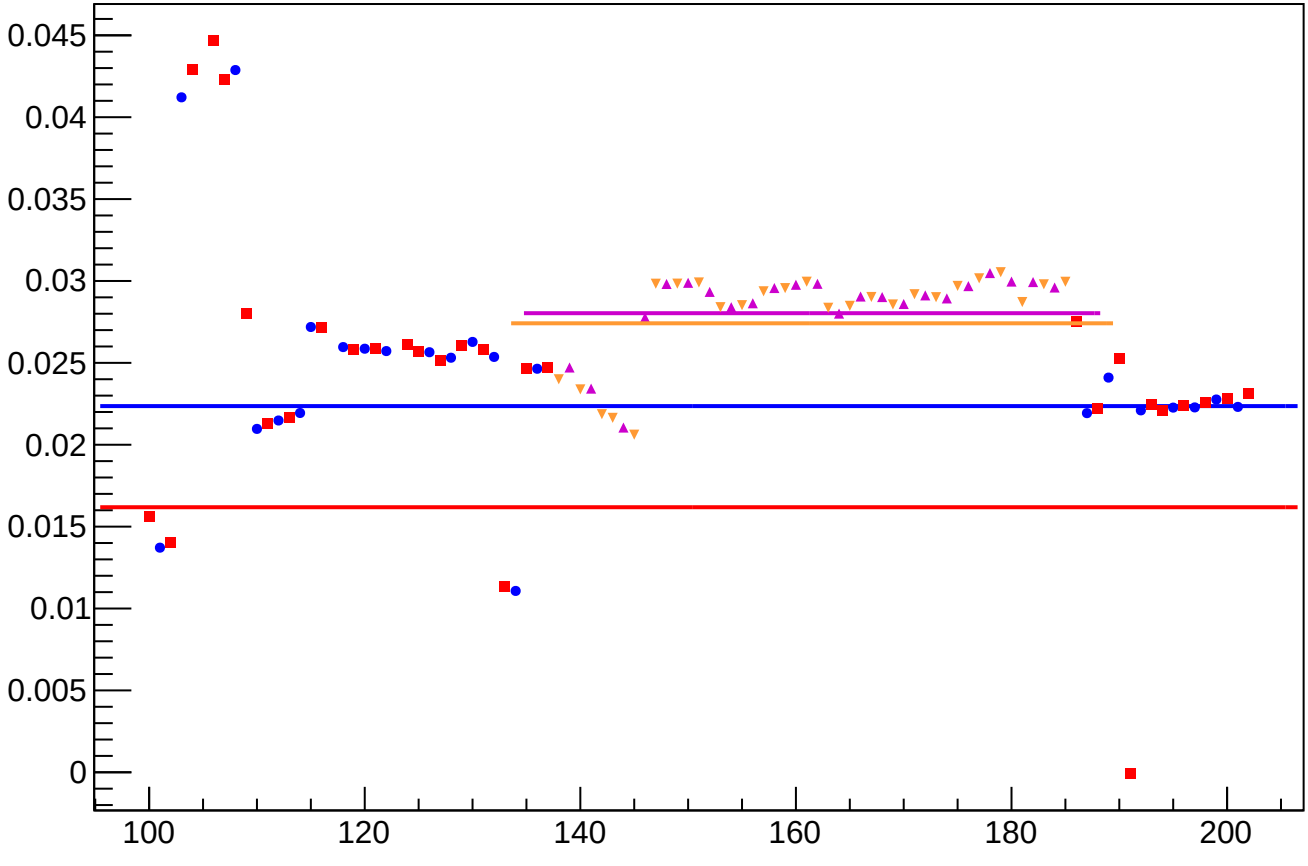
Right: 0.000+/-0.000 χ^2/NDF: 6413759.4/51

In: 0.000+/-0.000 χ^2/NDF:3280003.5/45

Out: 0.000+/-0.000 χ^2/NDF:3502204.9/53

All: 0.000+/-0.000 χ^2/NDF: 6793442.1/99

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5024840665.6/22

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25160812455.7/28

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

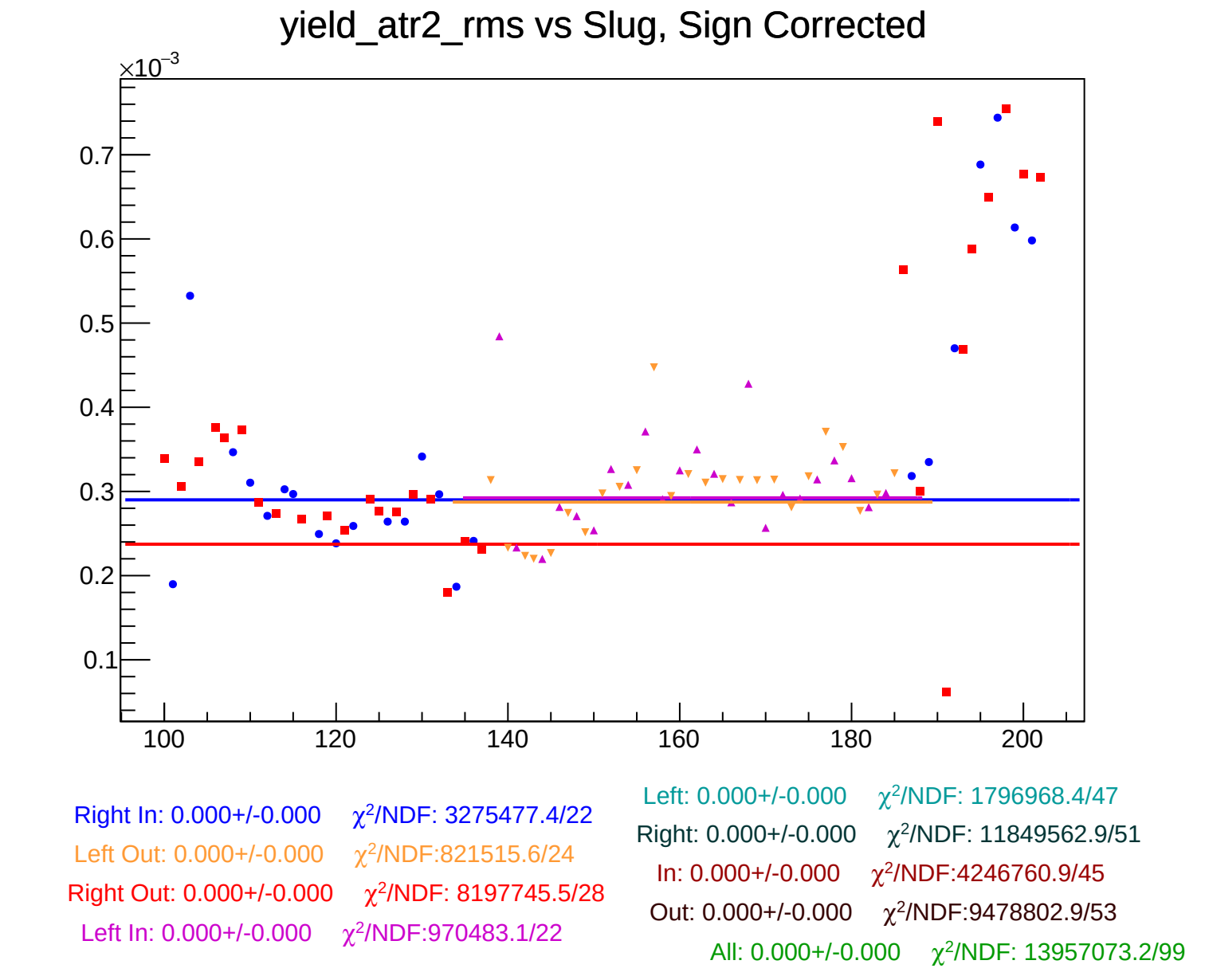
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

Right: 0.019+/-0.000 χ^2/NDF: 32767131878.0/51

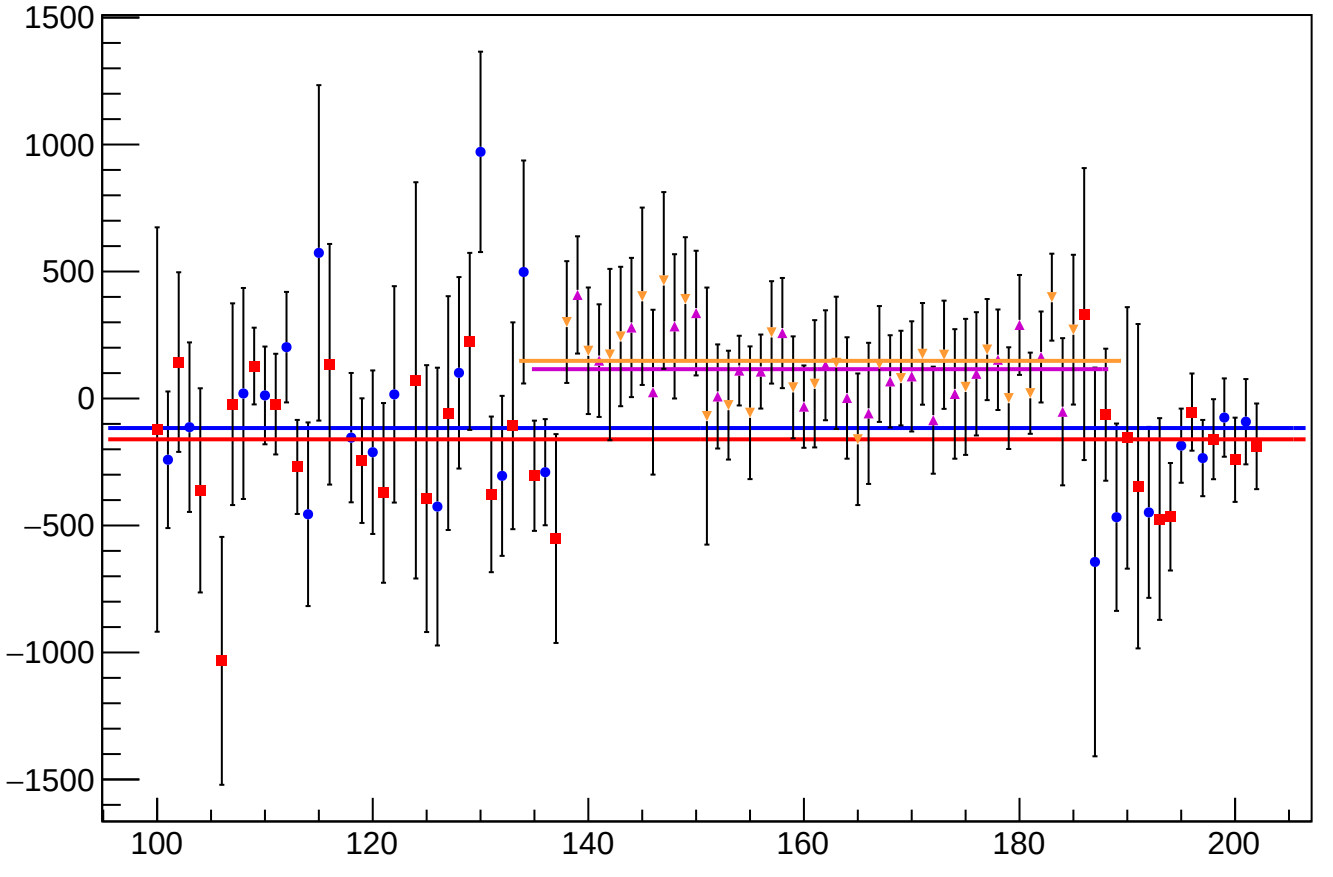
In: 0.026+/-0.000 χ^2/NDF:8837287118.5/45

Out: 0.022+/-0.000 χ^2/NDF:38951000709.6/53

All: 0.024+/-0.000 χ^2/NDF: 49795133173.0/9


yield_atr2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3275477.4/22
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 8197745.5/28
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
Left: 0.000+/-0.000 χ²/NDF: 1796968.4/47
Right: 0.000+/-0.000 χ²/NDF: 11849562.9/51
In: 0.000+/-0.000 χ²/NDF:4246760.9/45
Out: 0.000+/-0.000 χ²/NDF:9478802.9/53
All: 0.000+/-0.000 χ²/NDF: 13957073.2/99

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -116.312+/-52.785 χ^2/NDF: 19.6/22

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -160.685+/-48.582 χ^2/NDF: 17.5/28

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

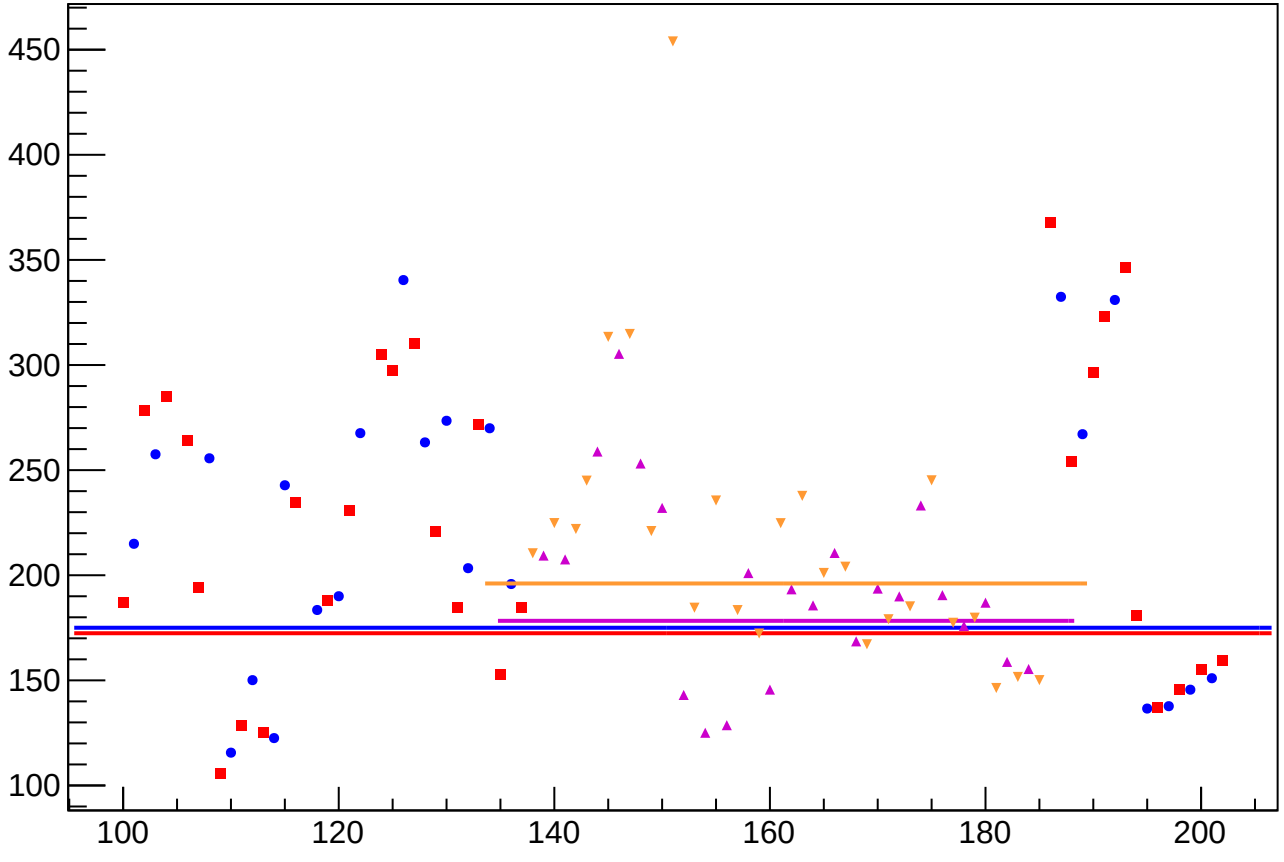
Right: -140.335+/-35.746 χ^2/NDF: 37.5/51

In: 21.560+/-33.601 χ^2/NDF:38.9/45

Out: 1.490+/-33.486 χ^2/NDF:49.1/53

All: 11.490+/-23.719 χ^2/NDF: 88.1/99

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.029+/-0.037 χ^2/NDF: 2183595.5/22

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 172.415+/-0.034 χ^2/NDF: 2900612.5/28

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

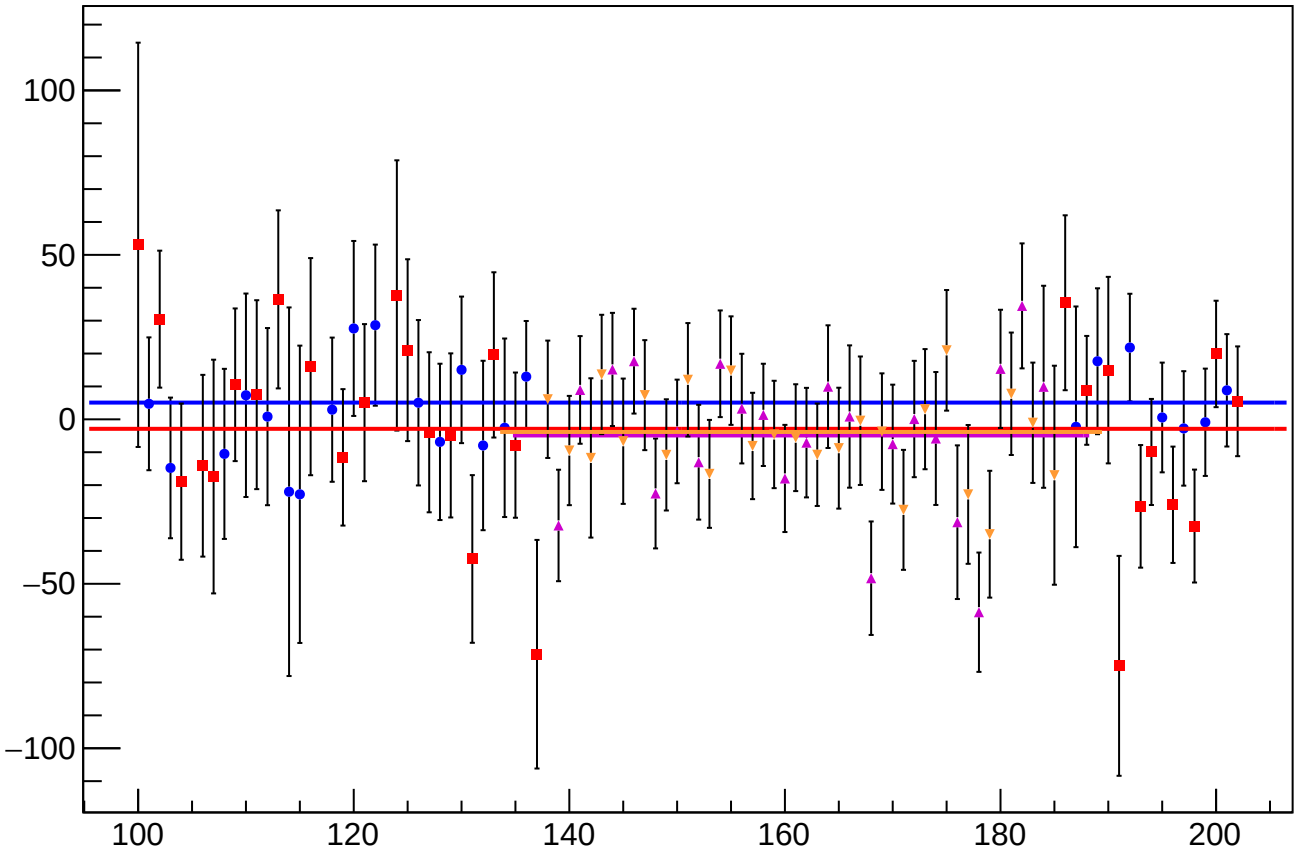
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 173.614+/-0.025 χ^2/NDF: 5086864.4/51

In: 176.985+/-0.024 χ^2/NDF:3866549.8/45

Out: 184.840+/-0.024 χ^2/NDF:4968355.6/53

All: 180.926+/-0.017 χ^2/NDF: 8889742.3/99



Right In: 5.090+/-4.620 χ^2/NDF: 6.4/22

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -2.885+/-4.263 χ^2/NDF: 32.6/28

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

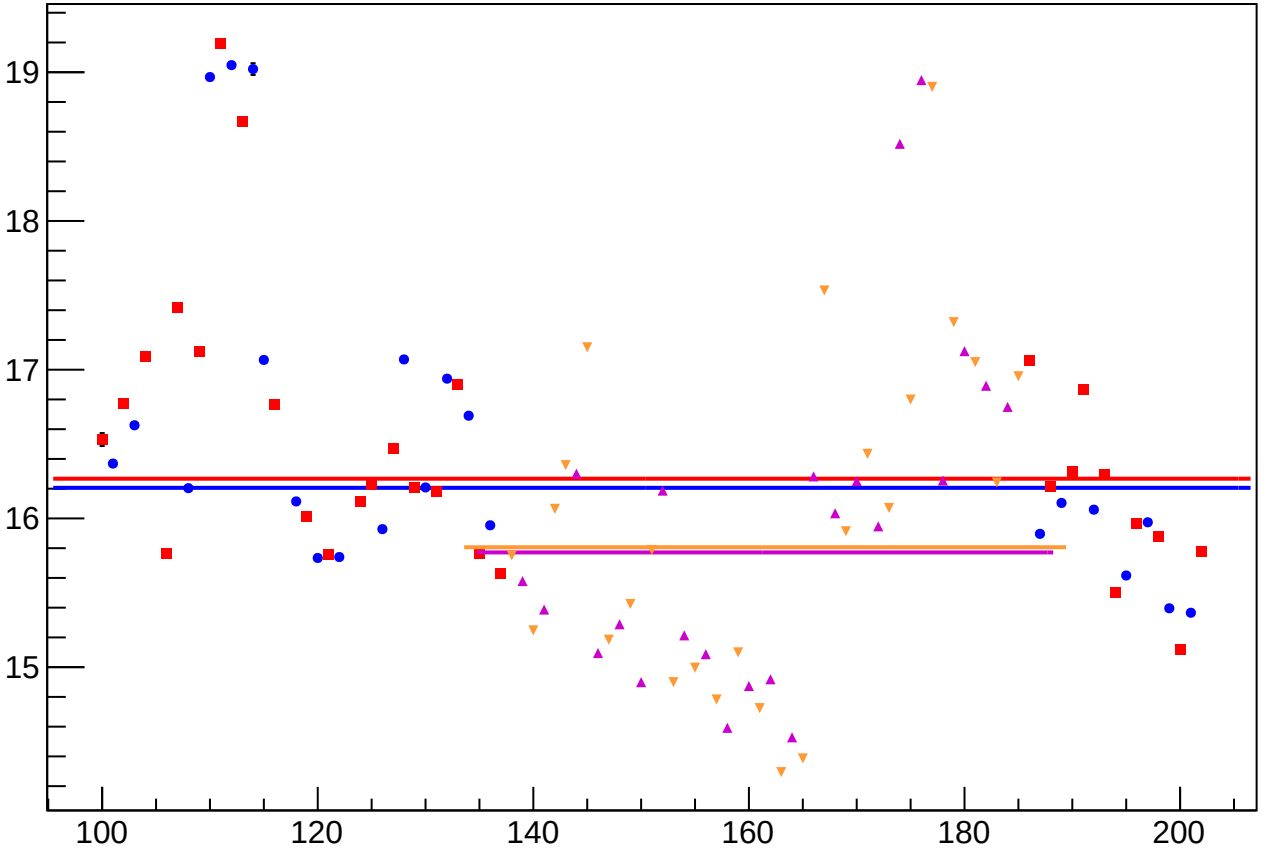
Right: 0.783+/-3.133 χ^2/NDF: 40.6/51

In: -1.004+/-2.886 χ^2/NDF:43.1/45

Out: -3.439+/-2.752 χ^2/NDF:45.4/53

All: -2.279+/-1.991 χ^2/NDF: 89.0/99

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.206+/-0.003 χ^2/NDF: 64836.2/22

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.267+/-0.003 χ^2/NDF: 70786.0/28

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

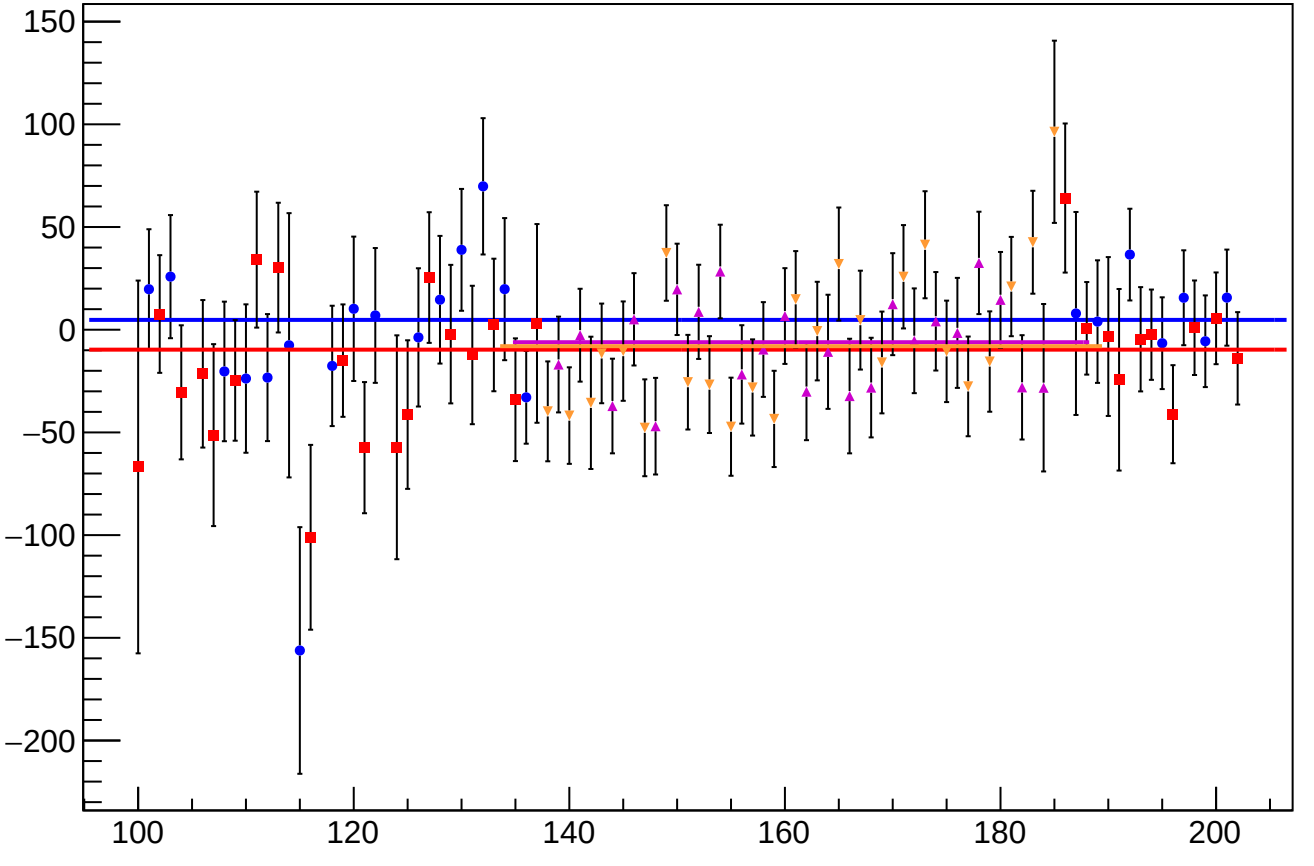
Right: 16.239+/-0.002 χ^2/NDF: 135813.7/51

In: 15.941+/-0.002 χ^2/NDF:227751.2/45

Out: 15.998+/-0.002 χ^2/NDF:257075.3/53

All: 15.971+/-0.001 χ^2/NDF: 485241.6/99

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.783+/-6.155 χ^2/NDF: 21.8/22

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.705+/-5.683 χ^2/NDF: 22.9/28

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

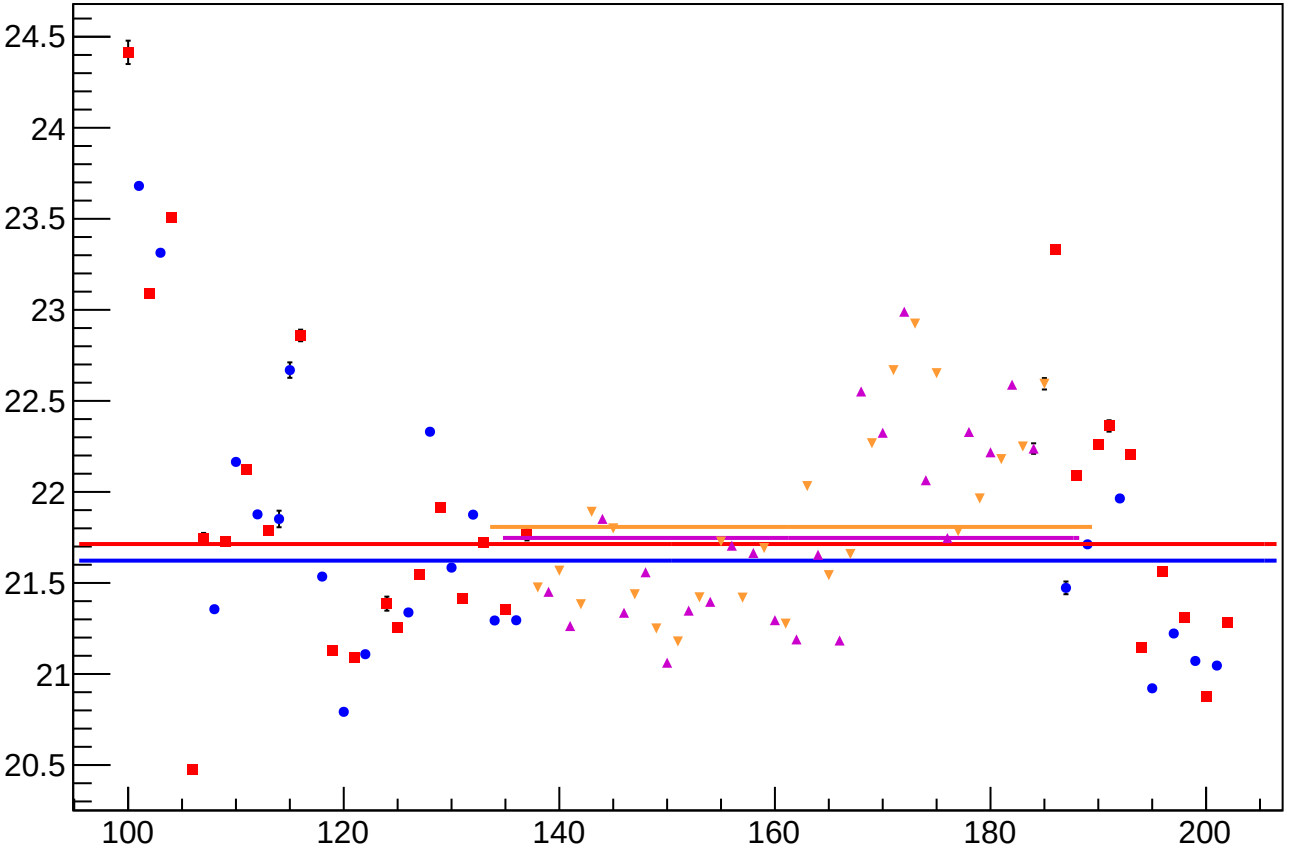
Right: -3.037+/-4.175 χ^2/NDF: 47.7/51

In: -1.682+/-3.918 χ^2/NDF:41.6/45

Out: -8.745+/-3.735 χ^2/NDF:61.8/53

All: -5.382+/-2.703 χ^2/NDF: 105.1/99

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.623+/-0.004 χ^2/NDF: 26677.2/22

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.714+/-0.004 χ^2/NDF: 30762.8/28

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

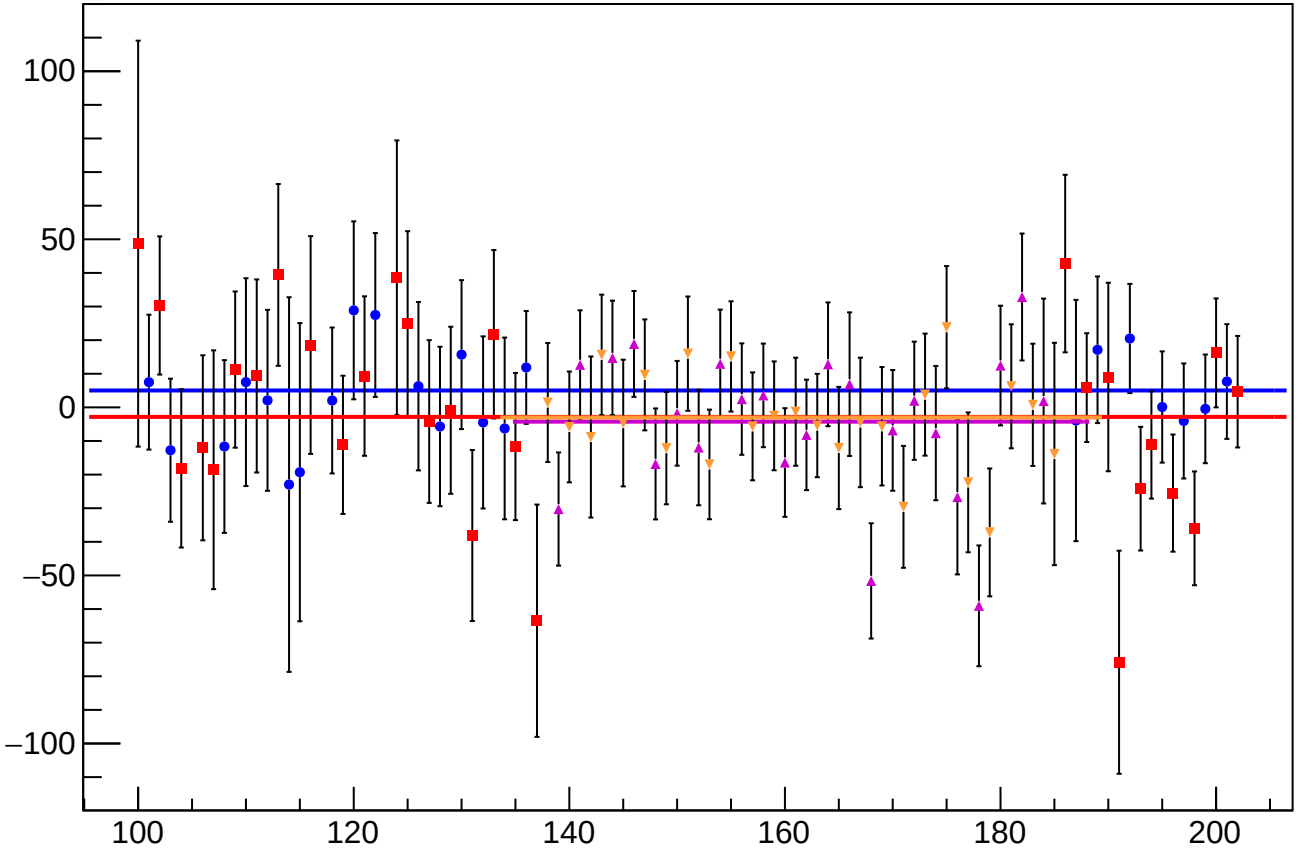
Right: 21.672+/-0.003 χ^2/NDF: 57677.0/51

In: 21.697+/-0.003 χ^2/NDF:47726.4/45

Out: 21.767+/-0.003 χ^2/NDF:48634.2/53

All: 21.734+/-0.002 χ^2/NDF: 96698.7/99

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.025+/-4.586 χ^2/NDF: 6.1/22

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -2.833+/-4.229 χ^2/NDF: 33.1/28

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

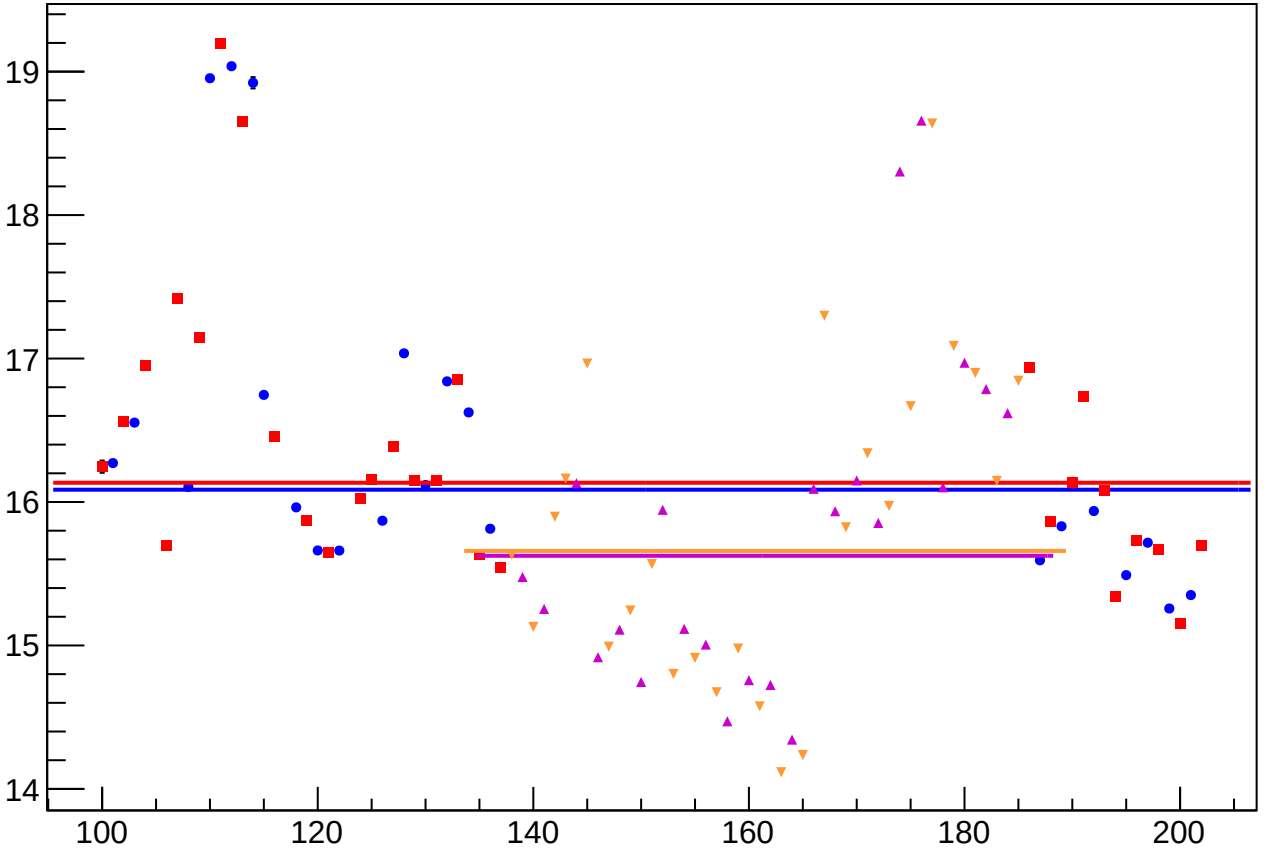
Right: 0.778+/-3.109 χ^2/NDF: 40.8/51

In: -0.640+/-2.861 χ^2/NDF:42.4/45

Out: -2.932+/-2.727 χ^2/NDF:47.8/53

All: -1.841+/-1.974 χ^2/NDF: 90.5/99

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.086+/-0.003 χ^2/NDF: 68946.9/22

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.134+/-0.003 χ^2/NDF: 74429.1/28

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

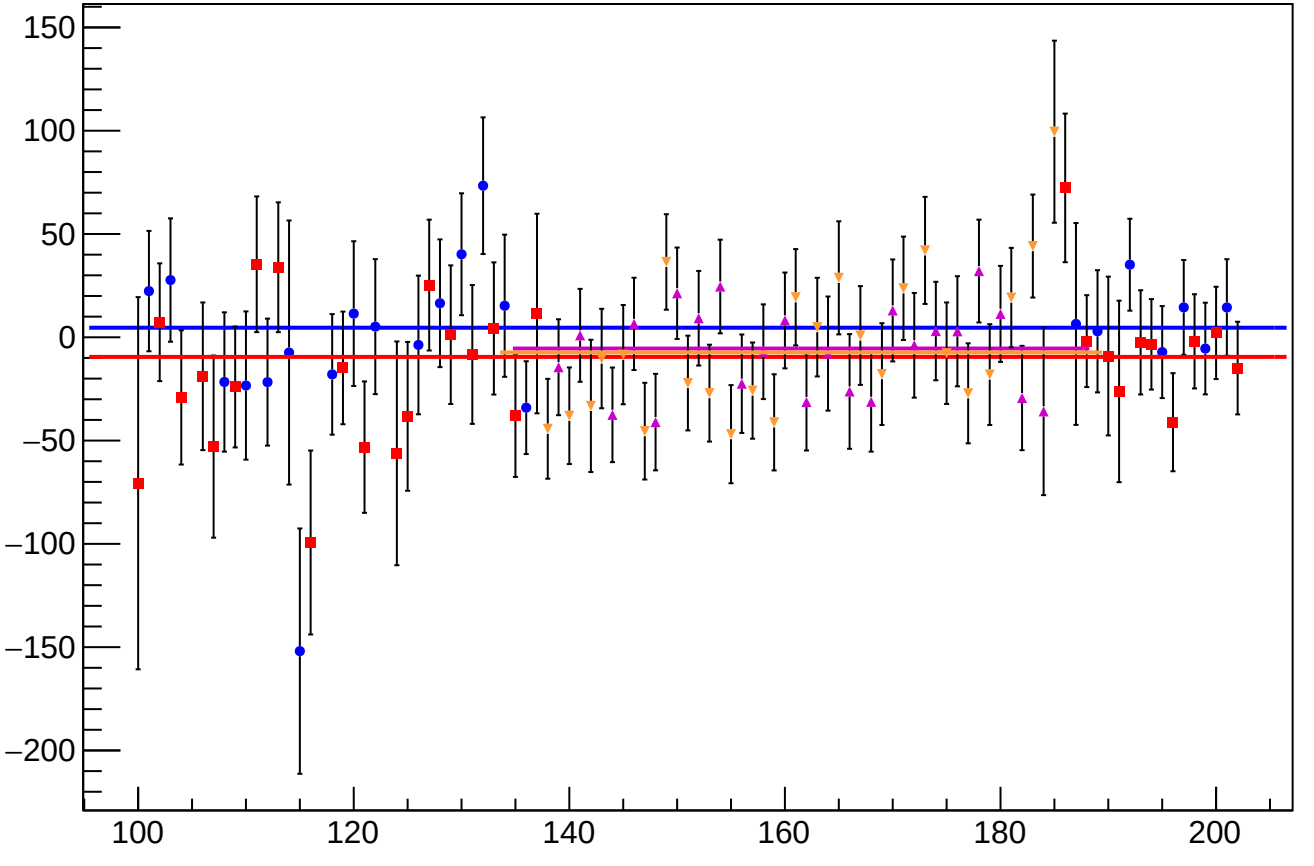
Right: 16.112+/-0.002 χ^2/NDF: 143497.3/51

In: 15.804+/-0.002 χ^2/NDF:231702.1/45

Out: 15.857+/-0.002 χ^2/NDF:259023.2/53

All: 15.832+/-0.001 χ^2/NDF: 491075.9/99

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.637+/-6.126 χ^2/NDF: 22.3/22

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.485+/-5.653 χ^2/NDF: 24.0/28

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

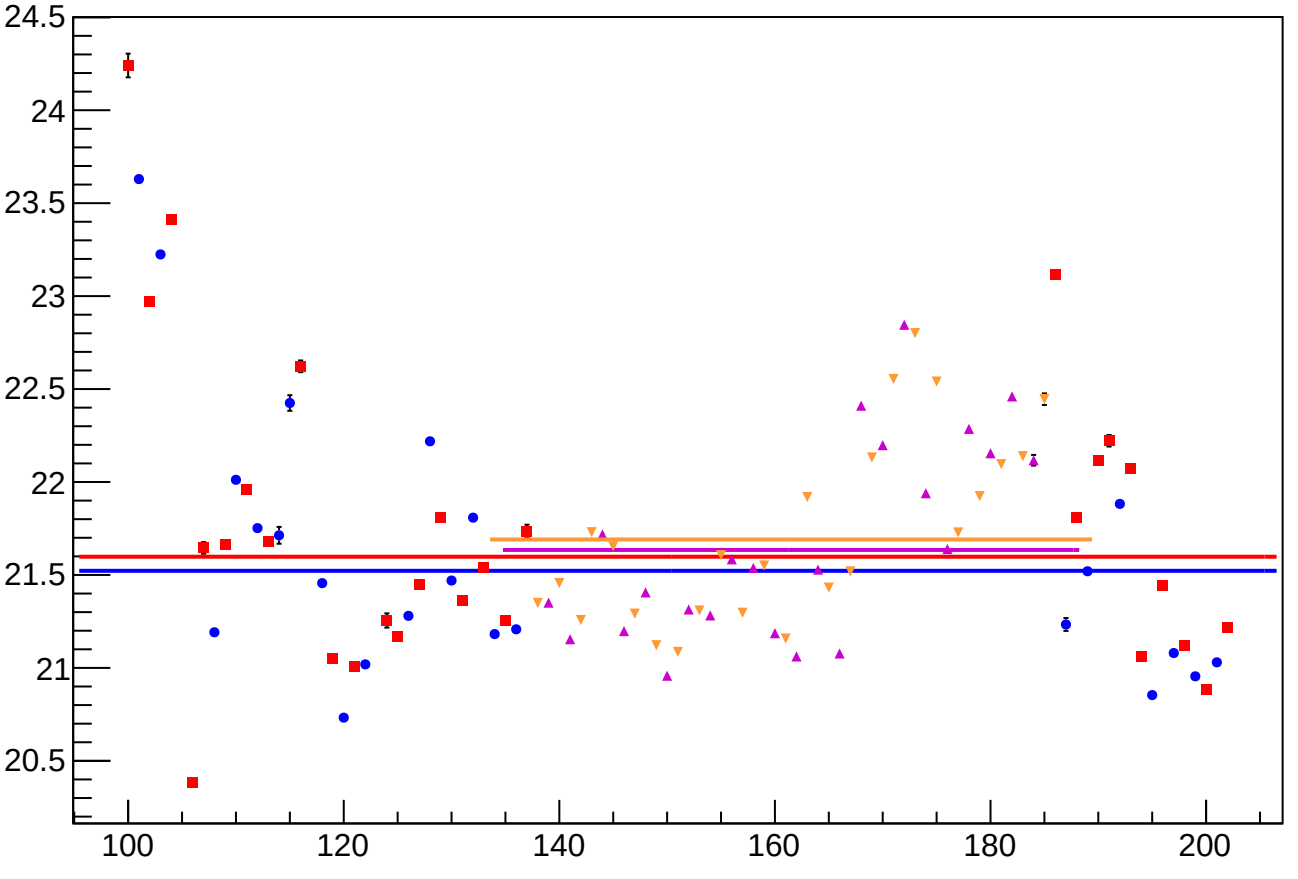
Right: -2.991+/-4.154 χ^2/NDF: 49.2/51

In: -1.356+/-3.898 χ^2/NDF:41.2/45

Out: -8.254+/-3.715 χ^2/NDF:62.7/53

All: -4.971+/-2.689 χ^2/NDF: 105.5/99

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.522+/-0.004 χ^2/NDF: 26810.7/22

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.598+/-0.004 χ^2/NDF: 28604.9/28

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

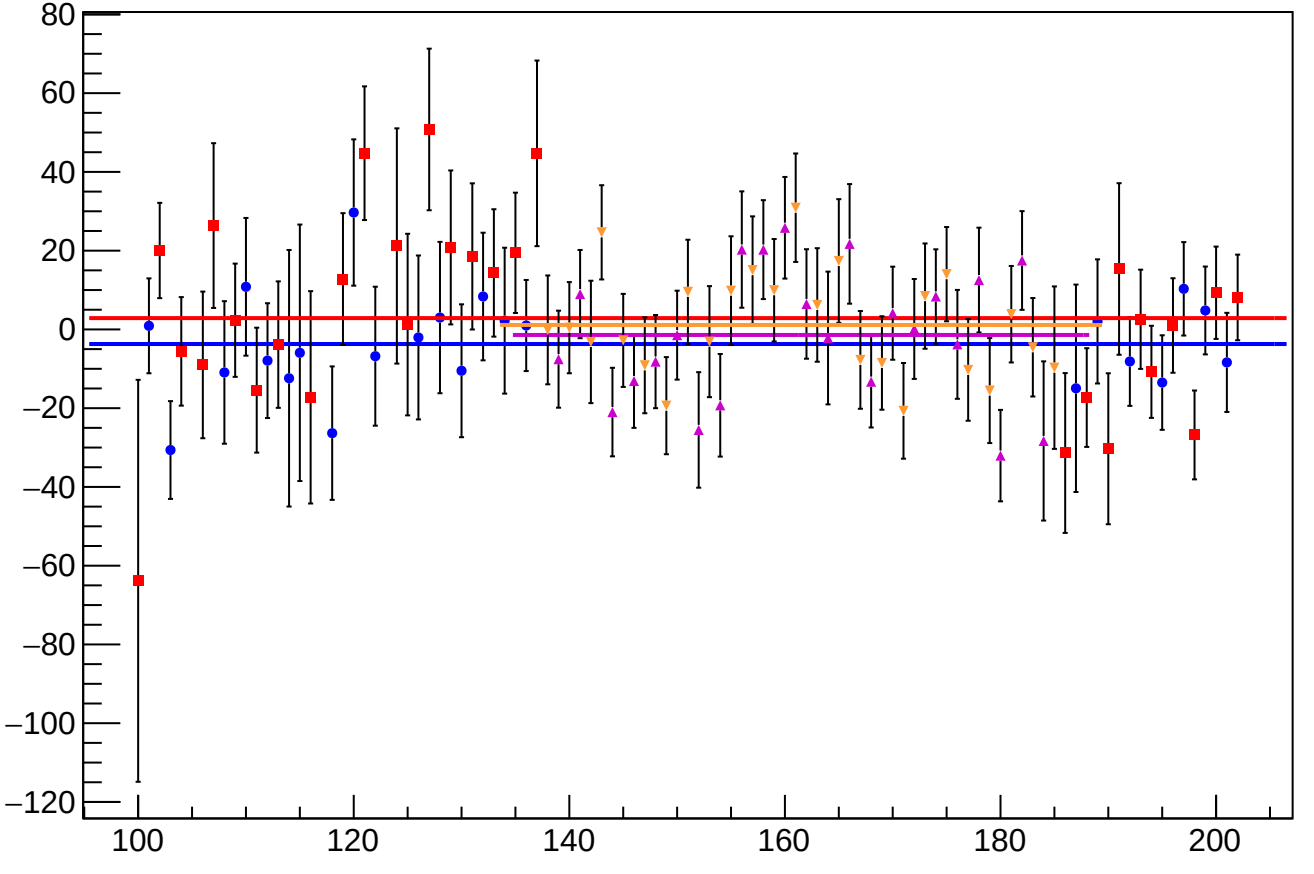
Right: 21.563+/-0.003 χ^2/NDF: 55581.1/51

In: 21.589+/-0.003 χ^2/NDF:47771.4/45

Out: 21.651+/-0.003 χ^2/NDF:46845.7/53

All: 21.621+/-0.002 χ^2/NDF: 94879.9/99

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.709+/-3.157 χ^2/NDF: 15.3/22

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 2.872+/-2.919 χ^2/NDF: 44.1/28

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

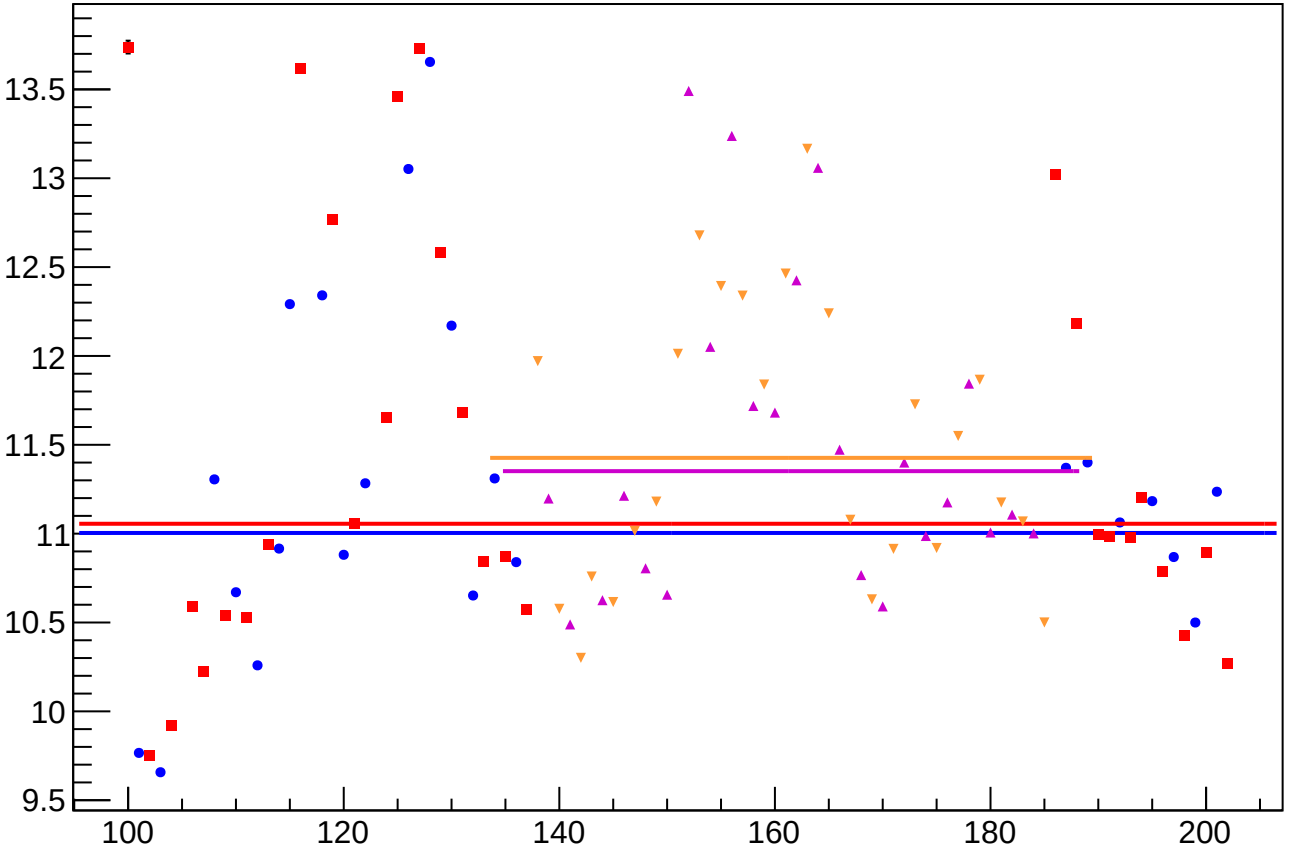
Right: -0.162+/-2.143 χ^2/NDF: 61.7/51

In: -2.368+/-2.040 χ^2/NDF:51.9/45

Out: 1.911+/-1.950 χ^2/NDF:68.8/53

All: -0.131+/-1.410 χ^2/NDF: 123.0/99

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.004+/-0.002 χ^2/NDF: 143340.6/22

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.056+/-0.002 χ^2/NDF: 216676.4/28

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

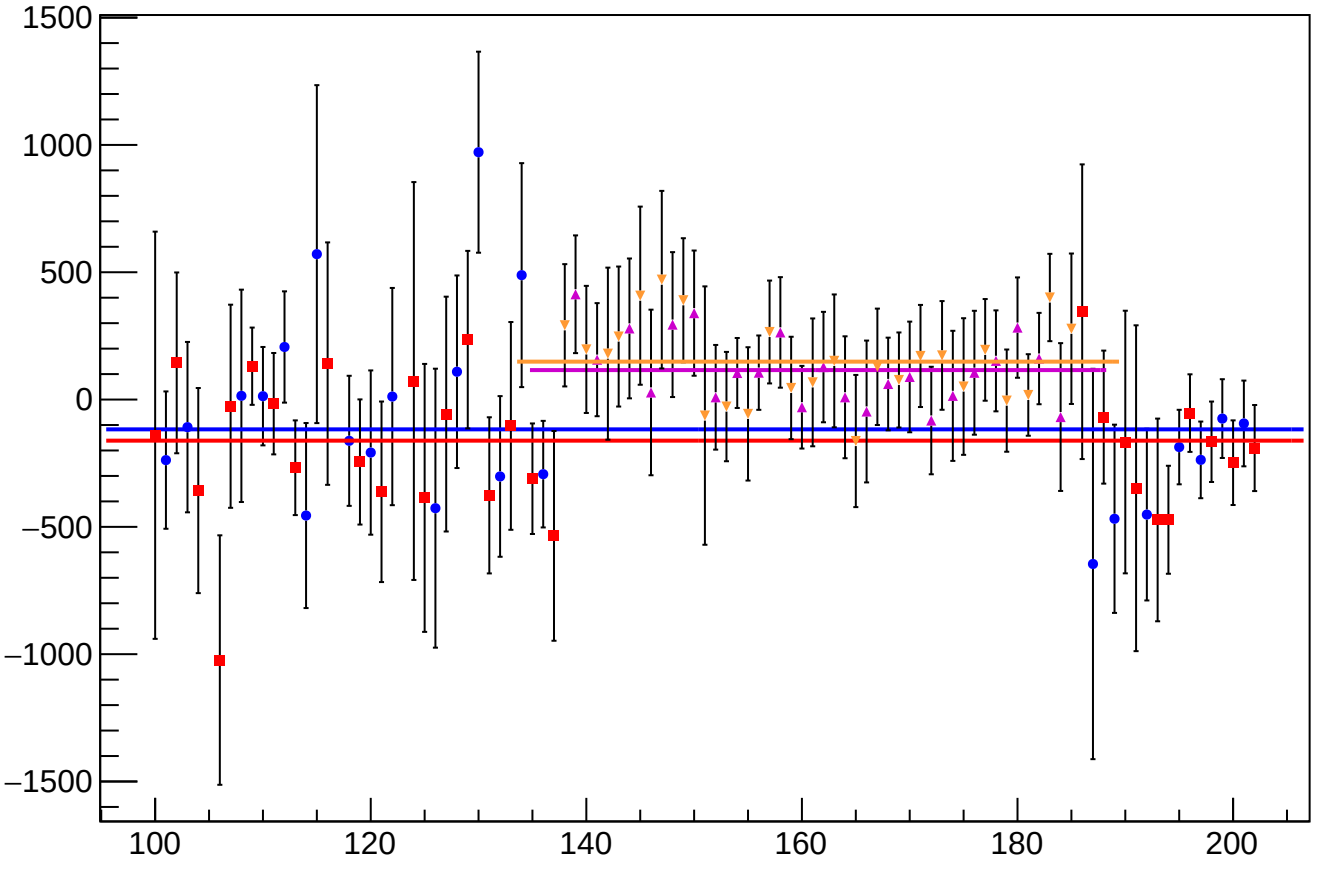
Right: 11.032+/-0.002 χ^2/NDF: 360306.6/51

In: 11.206+/-0.001 χ^2/NDF:328038.6/45

Out: 11.261+/-0.001 χ^2/NDF:391526.2/53

All: 11.235+/-0.001 χ^2/NDF: 720313.5/99

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -117.044+/-52.929 χ^2/NDF: 19.6/22

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -161.399+/-48.718 χ^2/NDF: 17.6/28

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

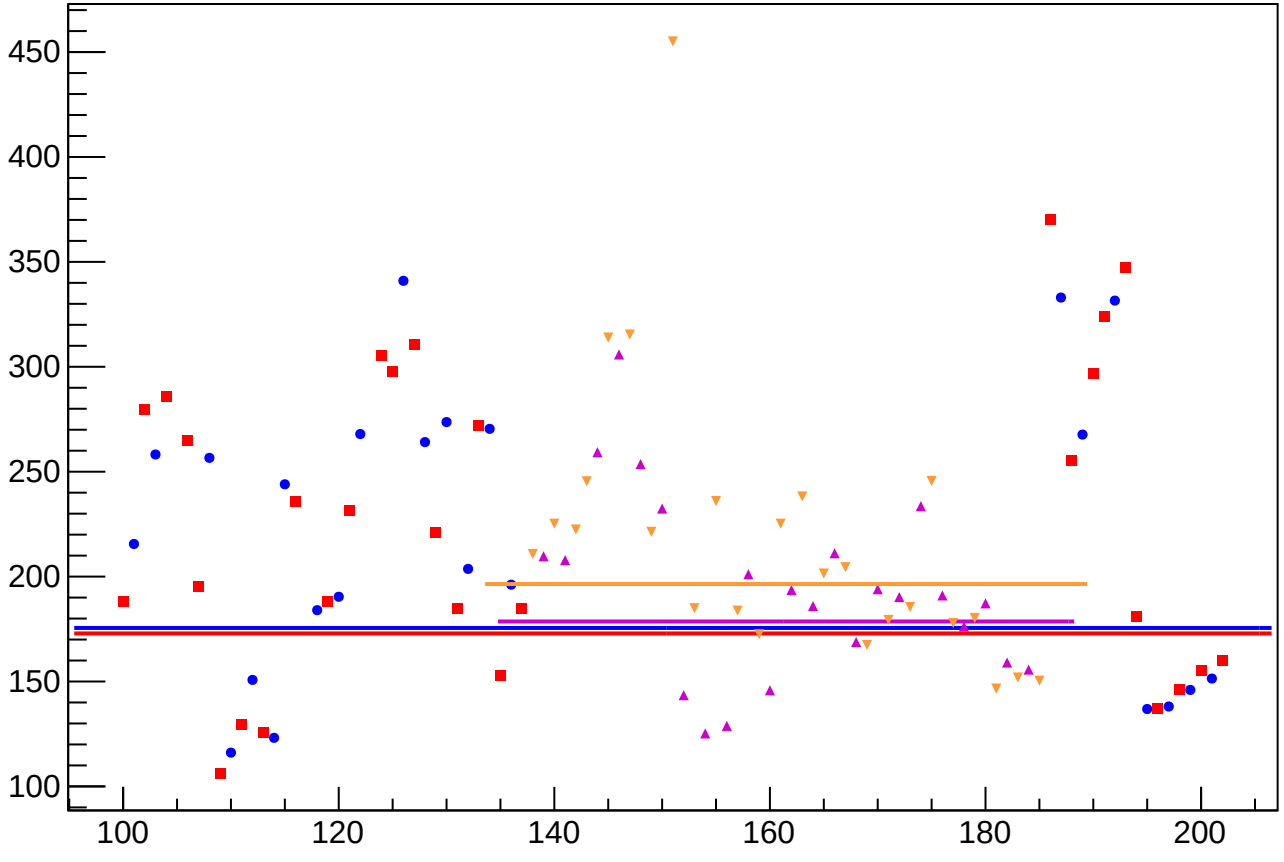
Right: -141.056+/-35.845 χ^2/NDF: 37.6/51

In: 21.514+/-33.671 χ^2/NDF:38.9/45

Out: 1.623+/-33.564 χ^2/NDF:49.4/53

All: 11.536+/-23.771 χ^2/NDF: 88.5/99

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.529+/-0.037 χ^2/NDF: 2177915.9/22

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.908+/-0.034 χ^2/NDF: 2897284.5/28

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

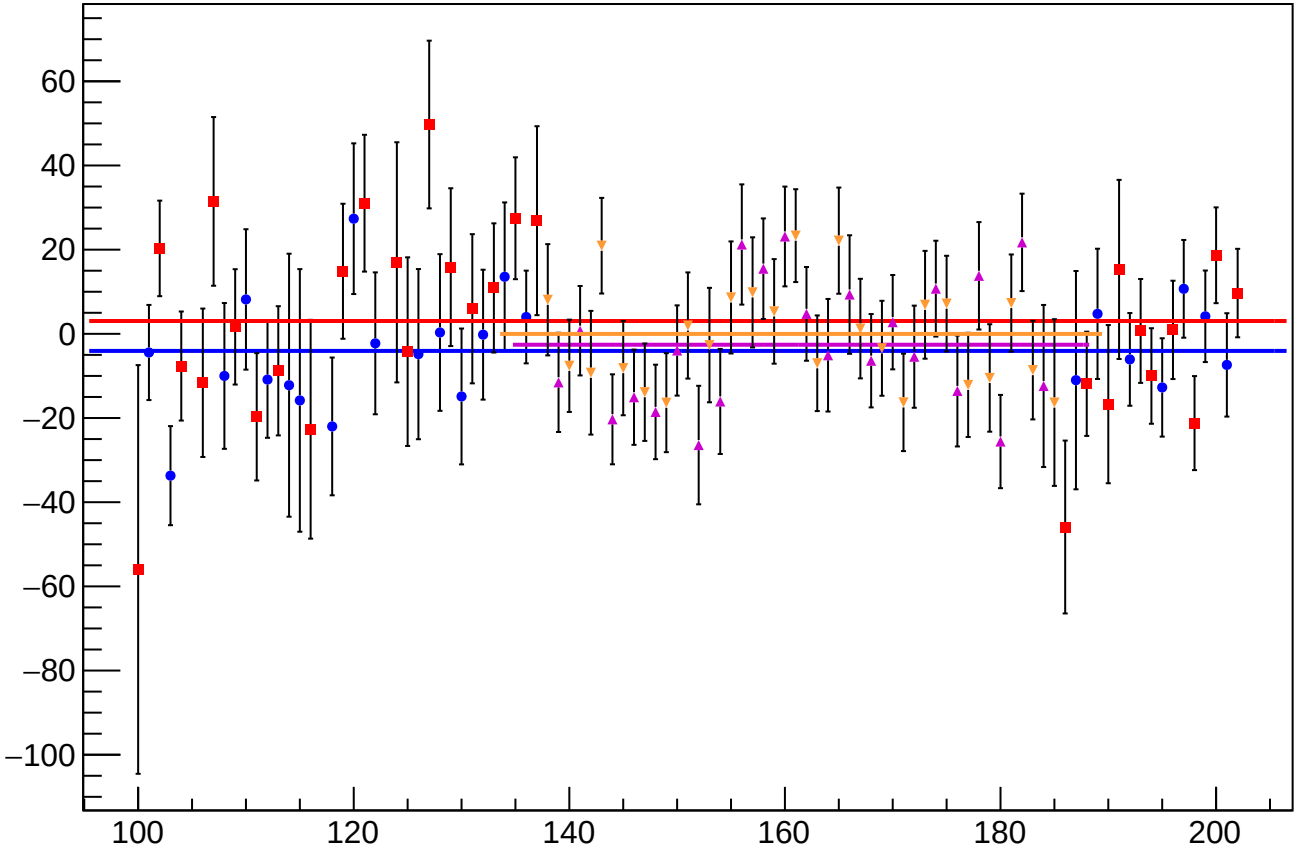
Right: 174.110+/-0.025 χ^2/NDF: 5077855.0/51

In: 177.365+/-0.024 χ^2/NDF:3860820.5/45

Out: 185.278+/-0.024 χ^2/NDF:4961475.2/53

All: 181.335+/-0.017 χ^2/NDF: 8877700.2/99

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.056+/-3.040 χ^2/NDF: 17.1/22

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.051+/-2.816 χ^2/NDF: 42.1/28

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

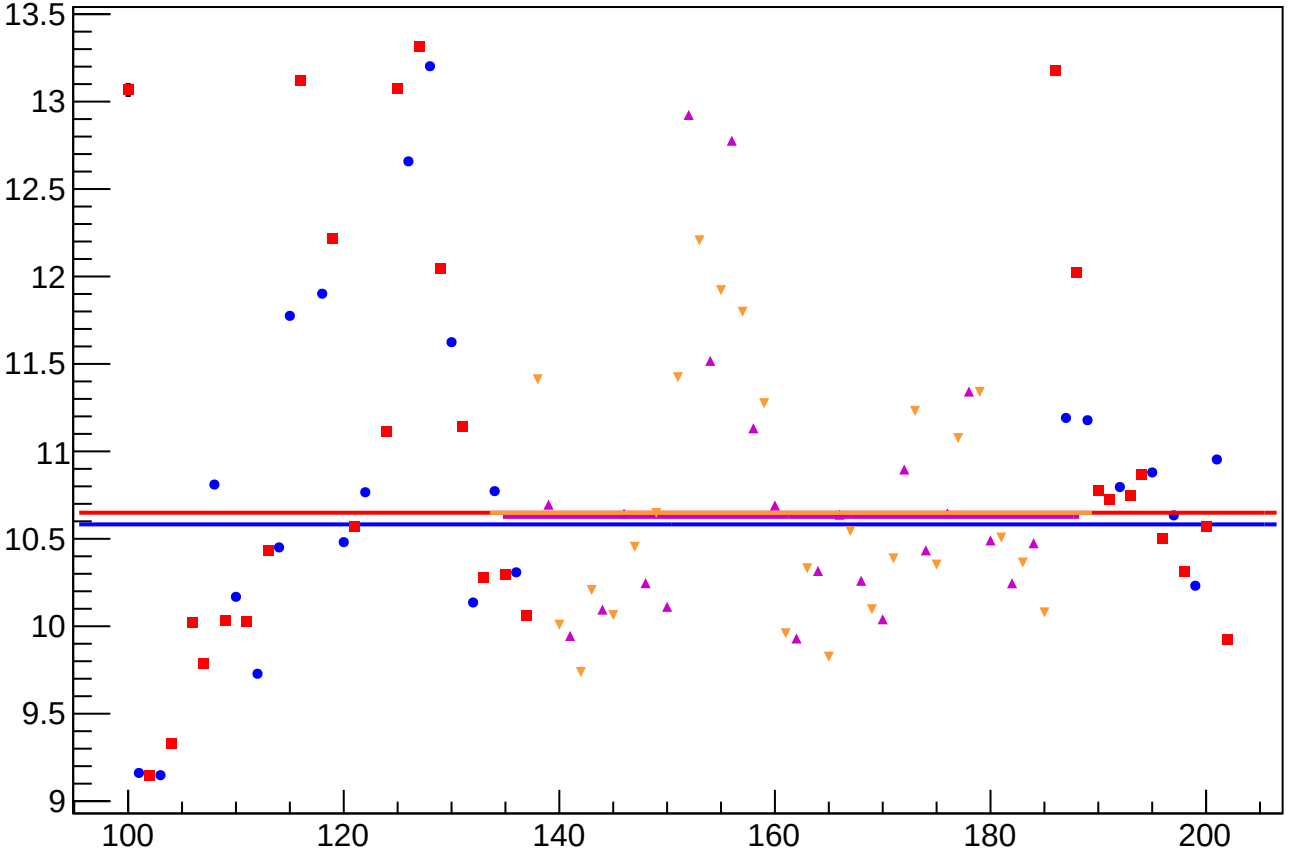
Right: -0.231+/-2.066 χ^2/NDF: 62.1/51

In: -3.184+/-1.934 χ^2/NDF:52.0/45

Out: 1.301+/-1.846 χ^2/NDF:66.5/53

All: -0.837+/-1.335 χ^2/NDF: 121.3/99

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.582+/-0.002 χ^2/NDF: 169038.8/22

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.649+/-0.002 χ^2/NDF: 256002.4/28

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

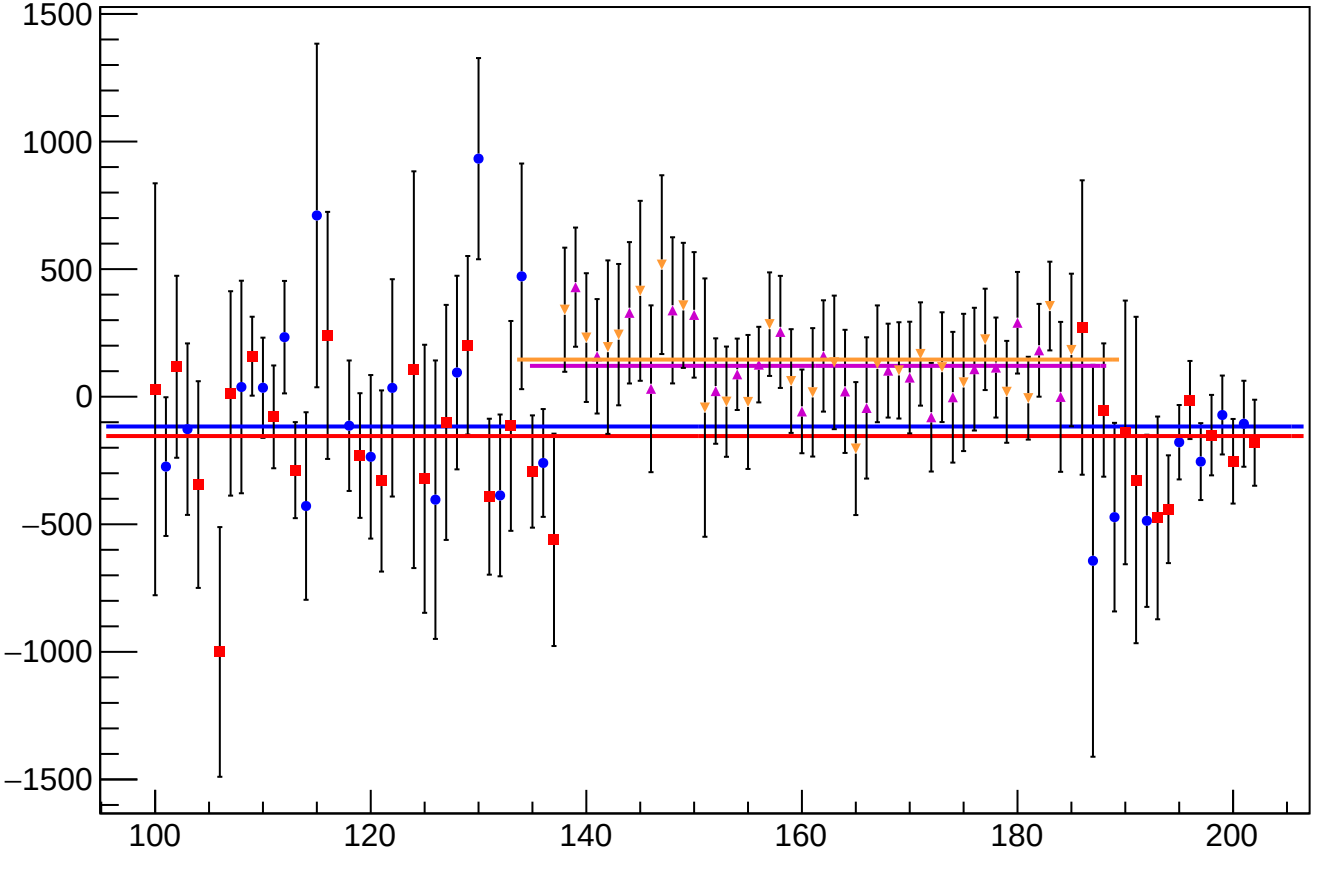
Right: 10.618+/-0.001 χ^2/NDF: 425560.2/51

In: 10.608+/-0.001 χ^2/NDF:328822.3/45

Out: 10.649+/-0.001 χ^2/NDF:399538.5/53

All: 10.629+/-0.001 χ^2/NDF: 728819.3/99

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -116.738+/-53.077 χ^2/NDF: 20.4/22

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -154.217+/-48.922 χ^2/NDF: 17.5/28

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

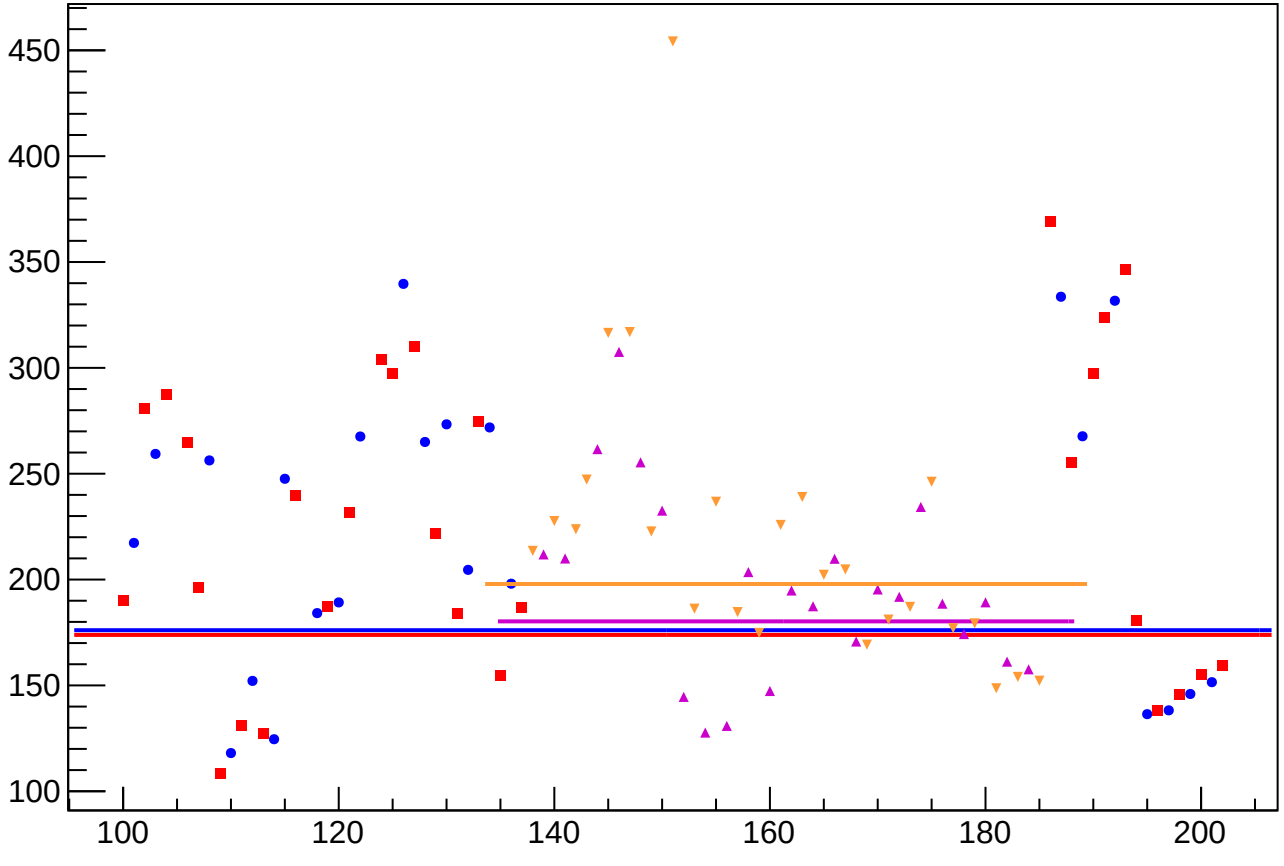
Right: -137.002+/-35.972 χ^2/NDF: 38.2/51

In: 24.116+/-33.872 χ^2/NDF:40.5/45

Out: 2.904+/-33.747 χ^2/NDF:47.4/53

All: 13.471+/-23.907 χ^2/NDF: 88.2/99

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 176.075+/-0.038 χ^2/NDF: 2169037.5/22

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 173.854+/-0.035 χ^2/NDF: 2840575.8/28

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

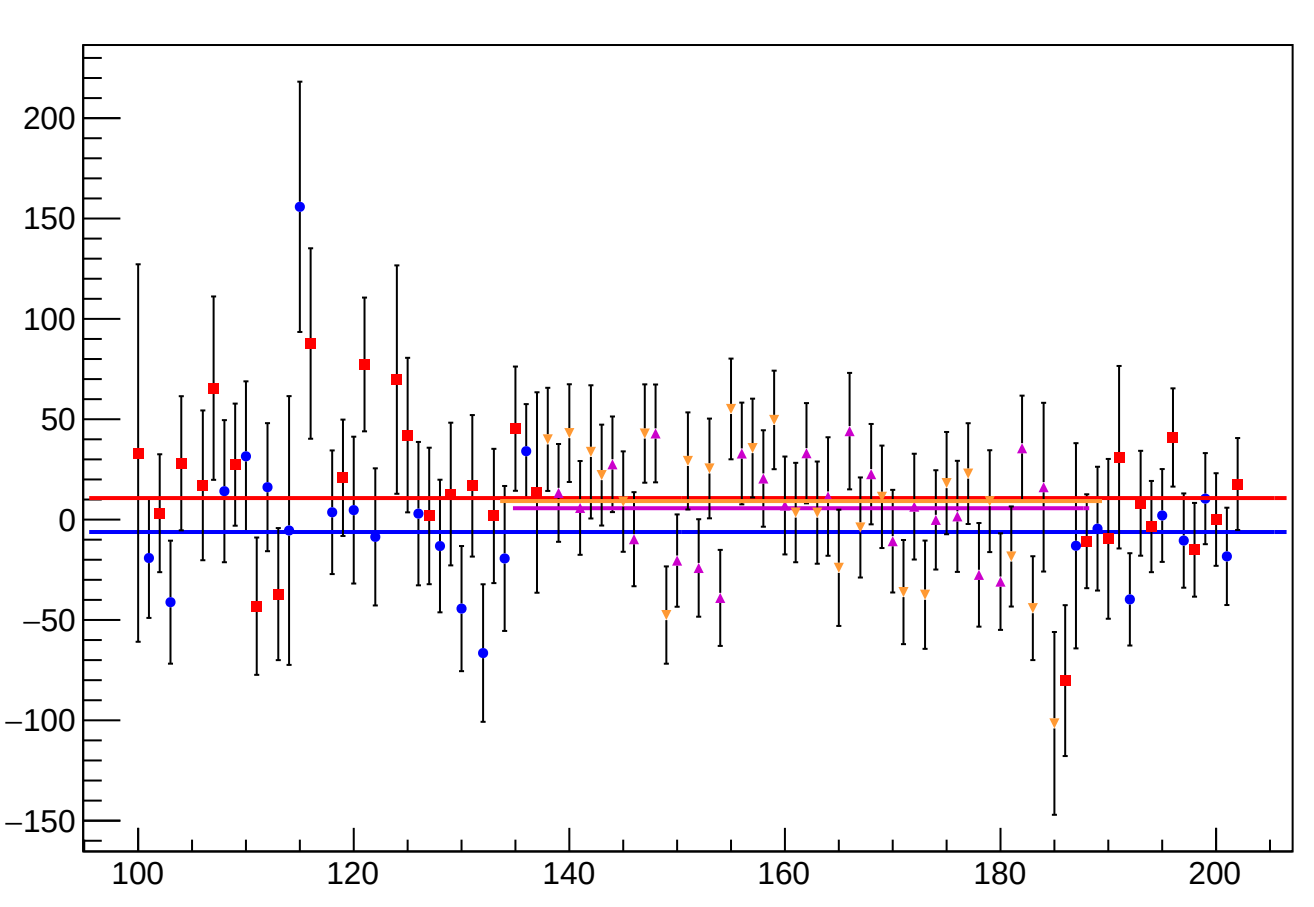
Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

Right: 174.874+/-0.025 χ^2/NDF: 5011505.3/51

In: 178.548+/-0.024 χ^2/NDF:3804143.7/45

Out: 186.453+/-0.024 χ^2/NDF:4882473.0/53

All: 182.515+/-0.017 χ^2/NDF: 8741277.2/99



Right In: -6.183+/-6.370 χ^2/NDF: 21.2/22

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.727+/-5.884 χ^2/NDF: 27.3/28

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

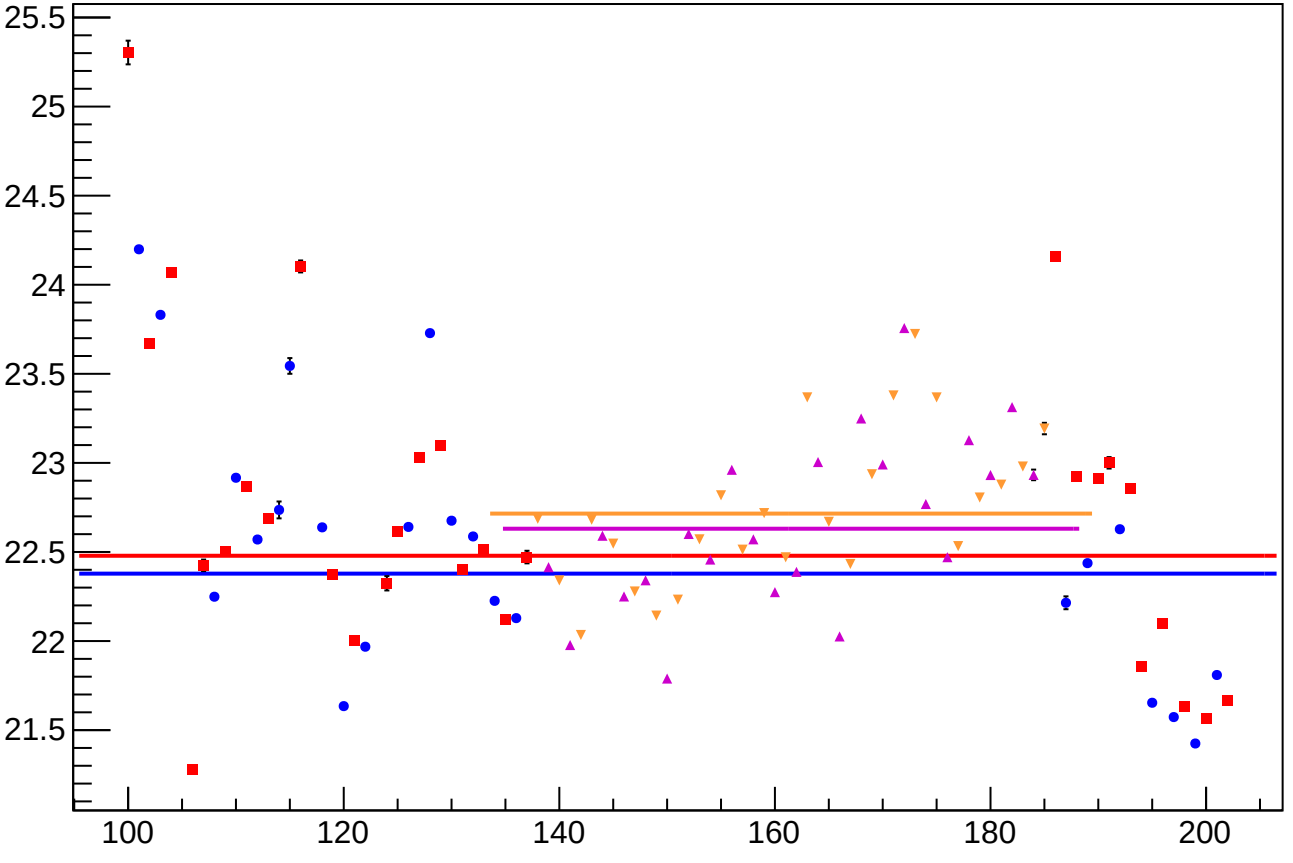
Right: 2.942+/-4.322 χ^2/NDF: 52.2/51

In: 0.835+/-4.068 χ^2/NDF:44.0/45

Out: 9.884+/-3.881 χ^2/NDF:66.8/53

All: 5.573+/-2.808 χ^2/NDF: 113.4/99

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.378+/-0.005 χ^2/NDF: 27643.6/22

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.479+/-0.004 χ^2/NDF: 32148.7/28

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

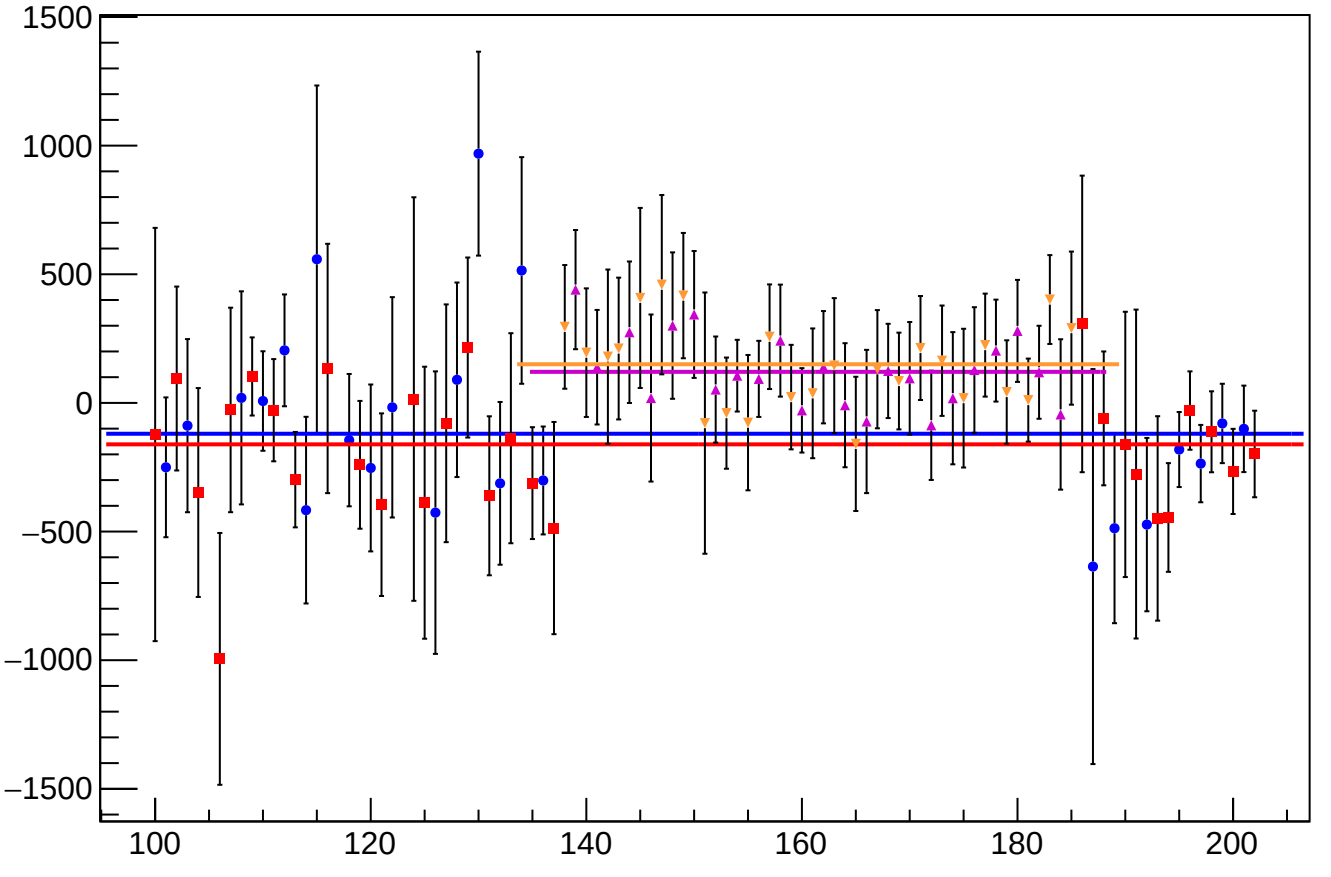
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.433+/-0.003 χ^2/NDF: 60060.0/51

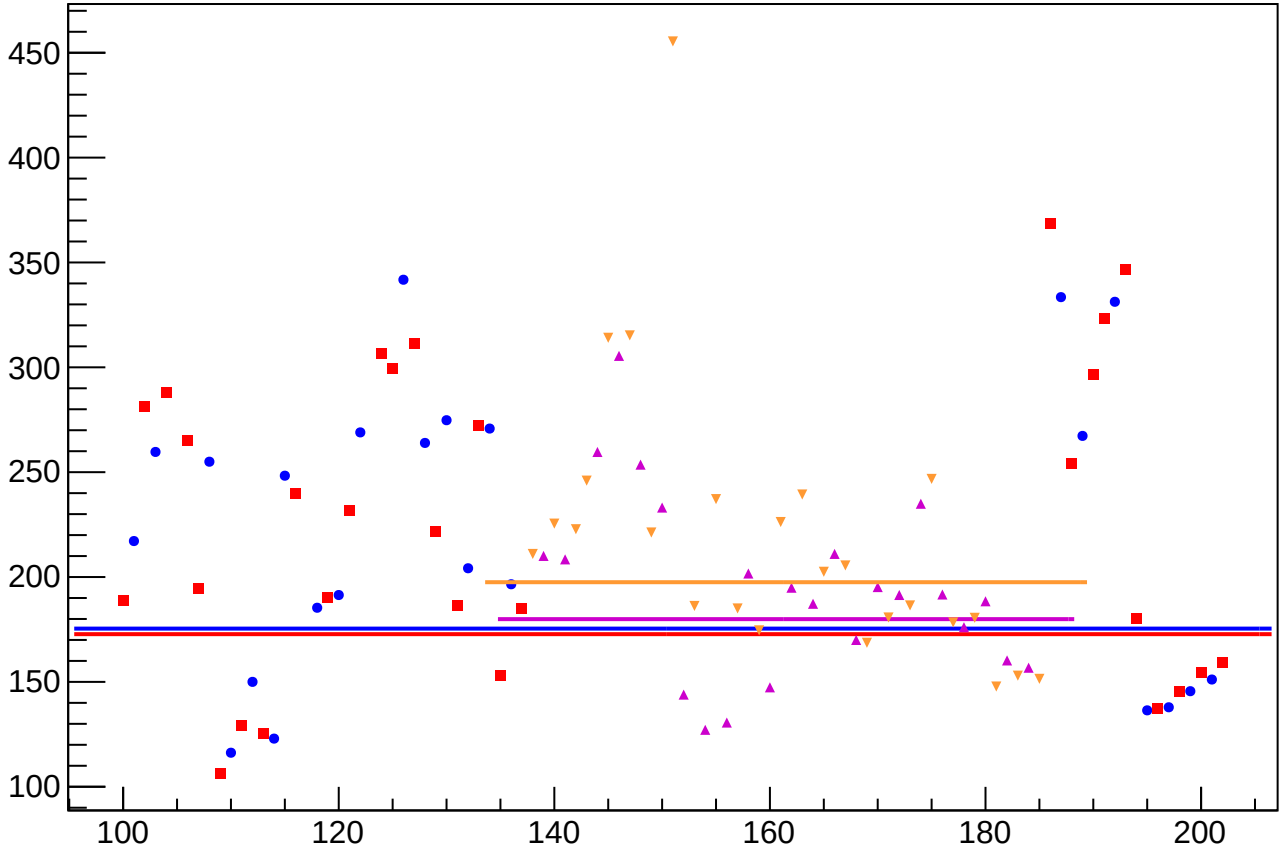
In: 22.528+/-0.003 χ^2/NDF:44890.0/45

Out: 22.612+/-0.003 χ^2/NDF:46158.8/53

All: 22.572+/-0.002 χ^2/NDF: 91503.4/99


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -119.872+/-52.915 χ²/NDF: 19.7/22
Left Out: 150.218+/-46.535 χ²/NDF:11.0/24
Right Out: -161.066+/-48.687 χ²/NDF: 16.1/28
Left In: 120.760+/-43.920 χ²/NDF:7.9/22
Left: 134.638+/-31.941 χ²/NDF: 19.1/47
Right: -142.180+/-35.829 χ²/NDF: 36.1/51
In: 22.606+/-33.795 χ²/NDF:39.8/45
Out: 1.609+/-33.640 χ²/NDF:48.4/53
All: 12.059+/-23.842 χ²/NDF: 88.4/99

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.408+/-0.037 χ^2/NDF: 2200191.0/22

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 172.757+/-0.034 χ^2/NDF: 2916366.4/28

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

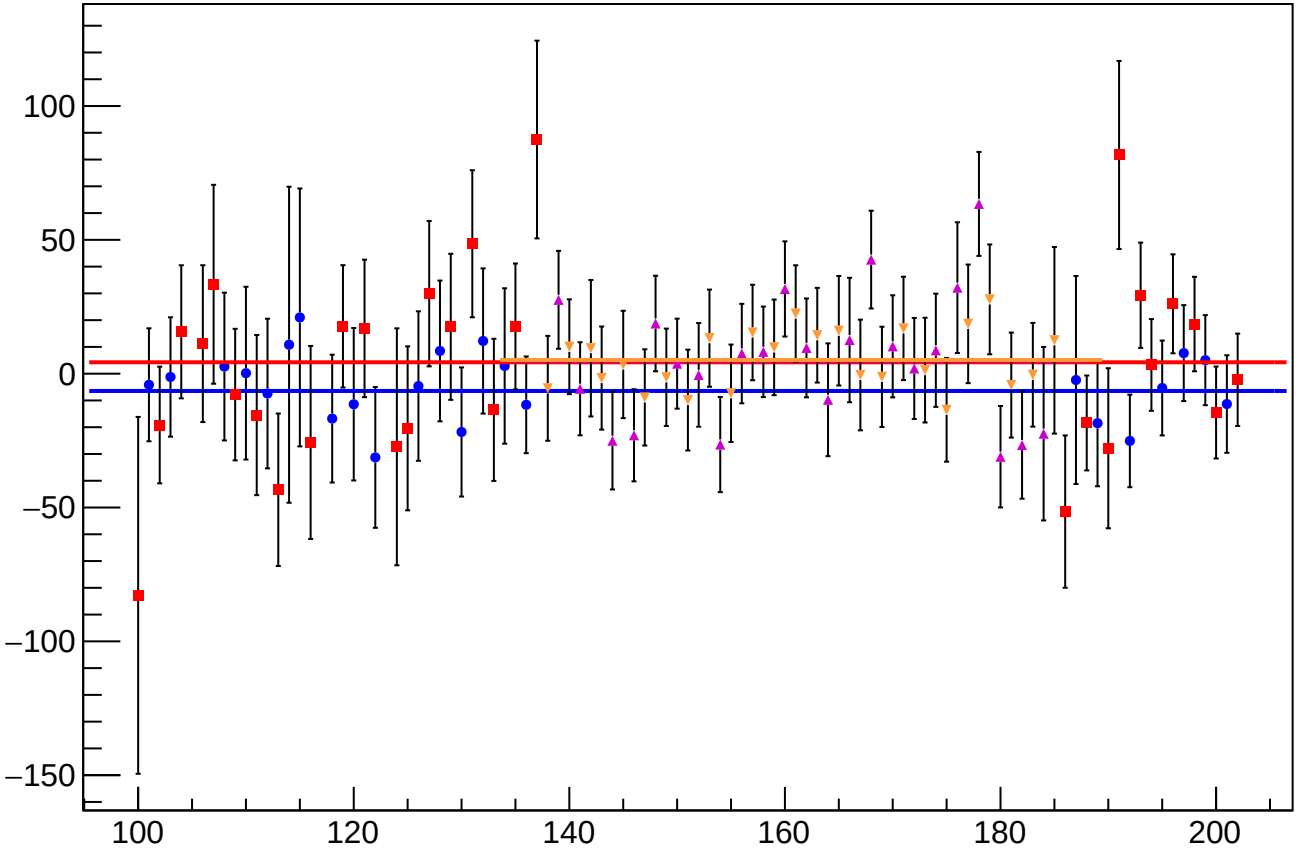
Right: 173.973+/-0.025 χ^2/NDF: 5119275.4/51

In: 178.082+/-0.024 χ^2/NDF:3832957.6/45

Out: 185.706+/-0.024 χ^2/NDF:4976931.0/53

All: 181.911+/-0.017 χ^2/NDF: 8861013.1/99

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.461+/-4.899 χ^2/NDF: 5.7/22

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 4.254+/-4.526 χ^2/NDF: 35.7/28

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

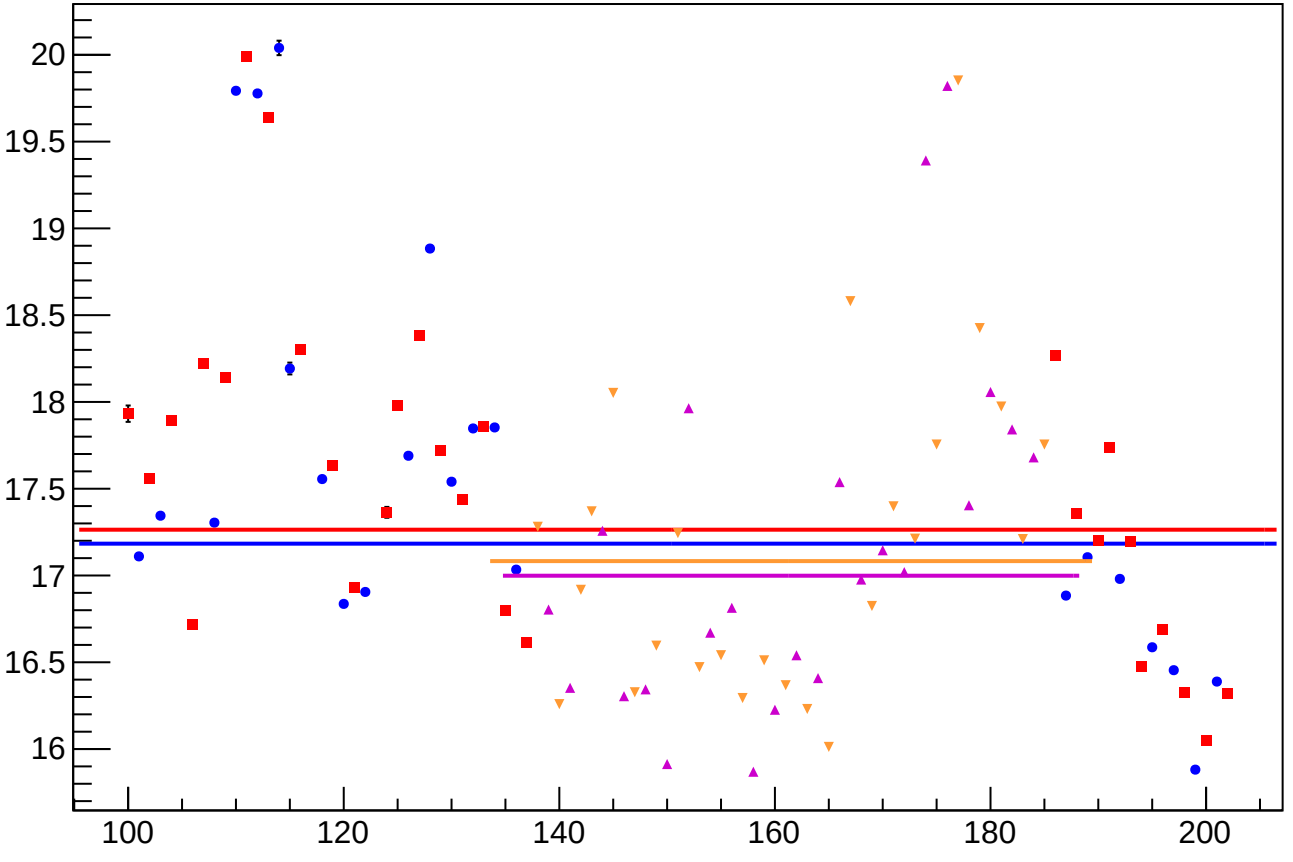
Right: -0.679+/-3.324 χ^2/NDF: 44.0/51

In: 0.358+/-3.089 χ^2/NDF:44.5/45

Out: 4.751+/-2.950 χ^2/NDF:43.7/53

All: 2.656+/-2.134 χ^2/NDF: 89.2/99

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.183+/-0.003 χ^2/NDF: 70643.8/22

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.264+/-0.003 χ^2/NDF: 77676.7/28

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

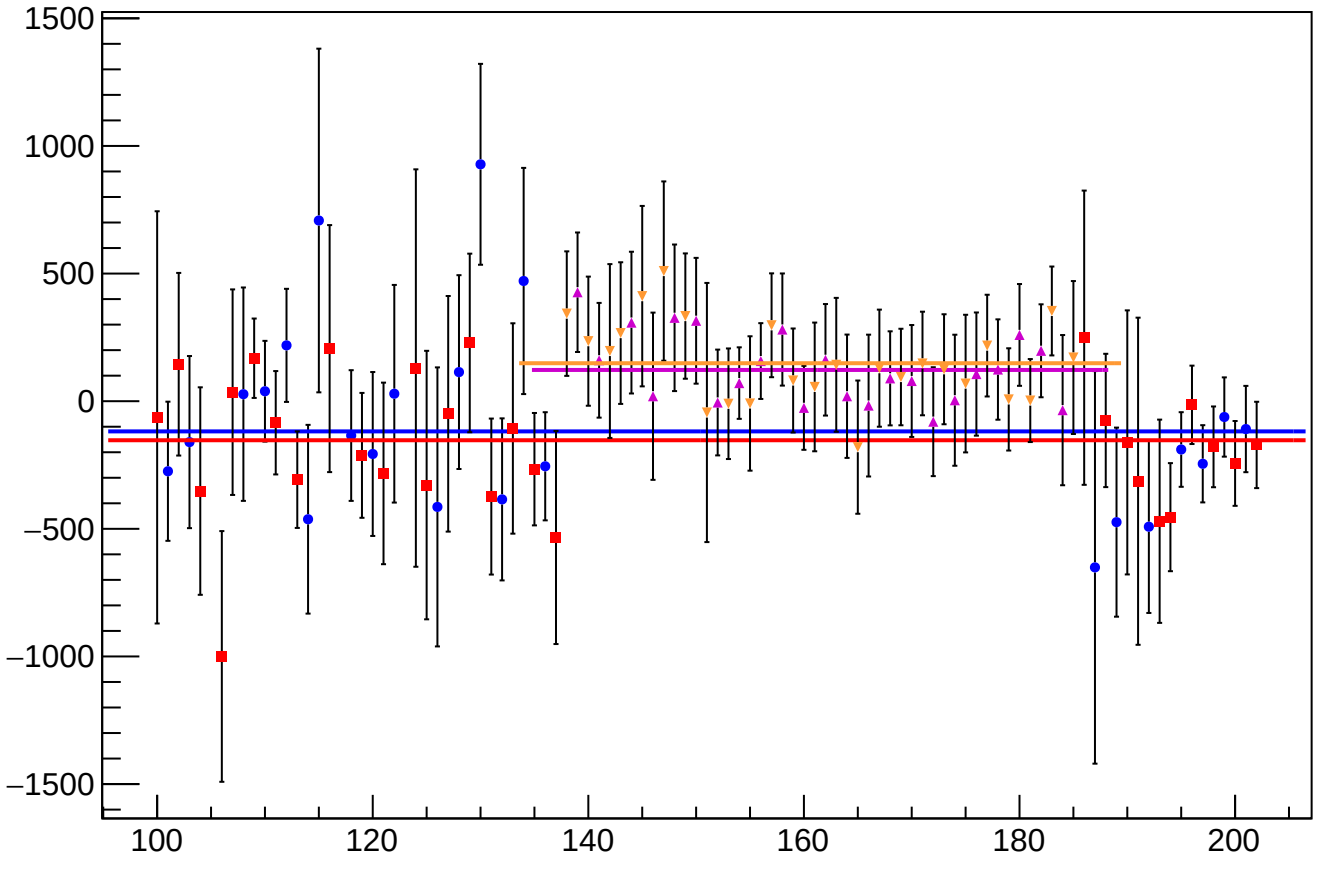
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 17.227+/-0.002 χ^2/NDF: 148611.9/51

In: 17.072+/-0.002 χ^2/NDF:176376.4/45

Out: 17.160+/-0.002 χ^2/NDF:176290.9/53

All: 17.118+/-0.002 χ^2/NDF: 353509.6/99



Right In: -118.304+/-53.242 χ^2/NDF: 20.3/22

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -152.974+/-49.065 χ^2/NDF: 17.5/28

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

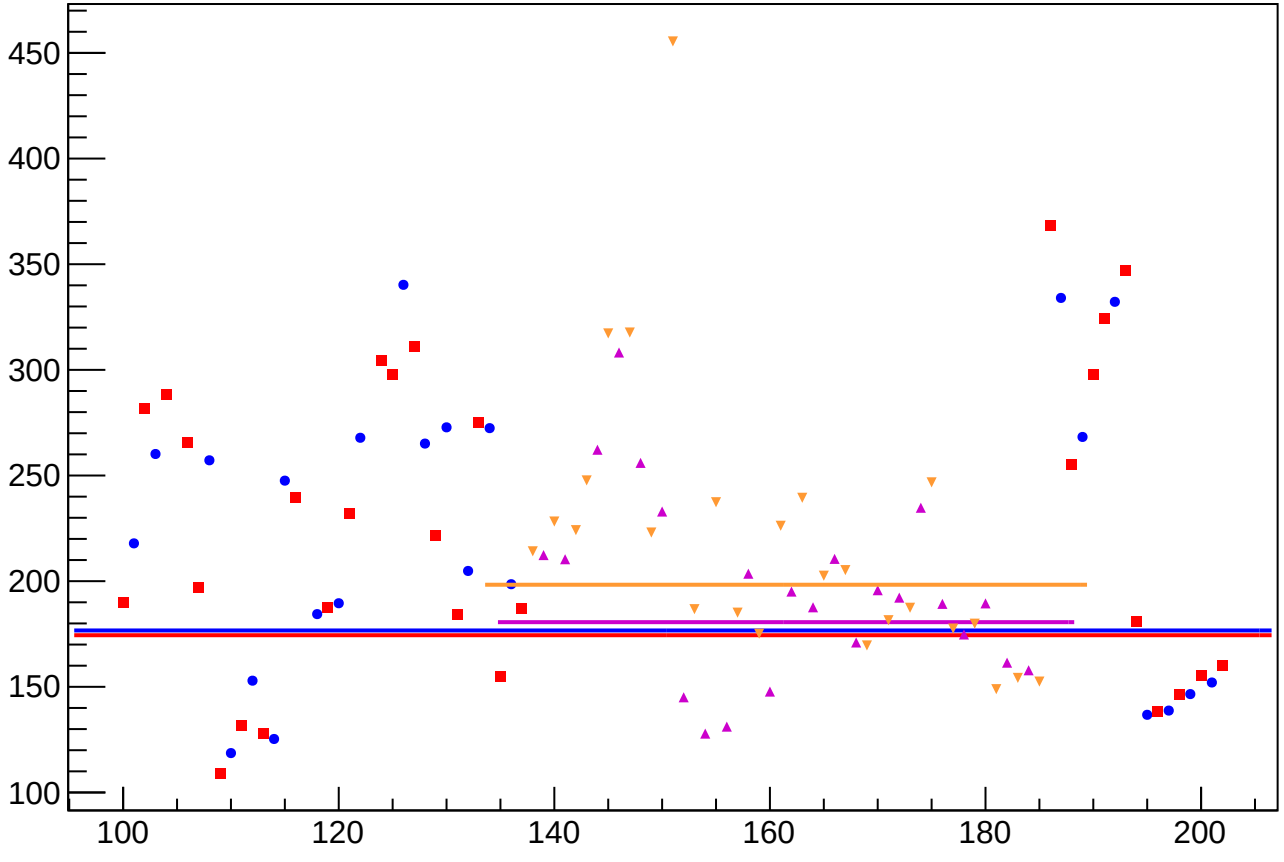
Right: -137.052+/-36.081 χ^2/NDF: 38.0/51

In: 24.492+/-33.954 χ^2/NDF:40.3/45

Out: 5.294+/-33.832 χ^2/NDF:46.9/53

All: 14.859+/-23.966 χ^2/NDF: 87.3/99

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 176.673+/-0.038 χ^2/NDF: 2155777.1/22

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 174.421+/-0.035 χ^2/NDF: 2823006.1/28

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

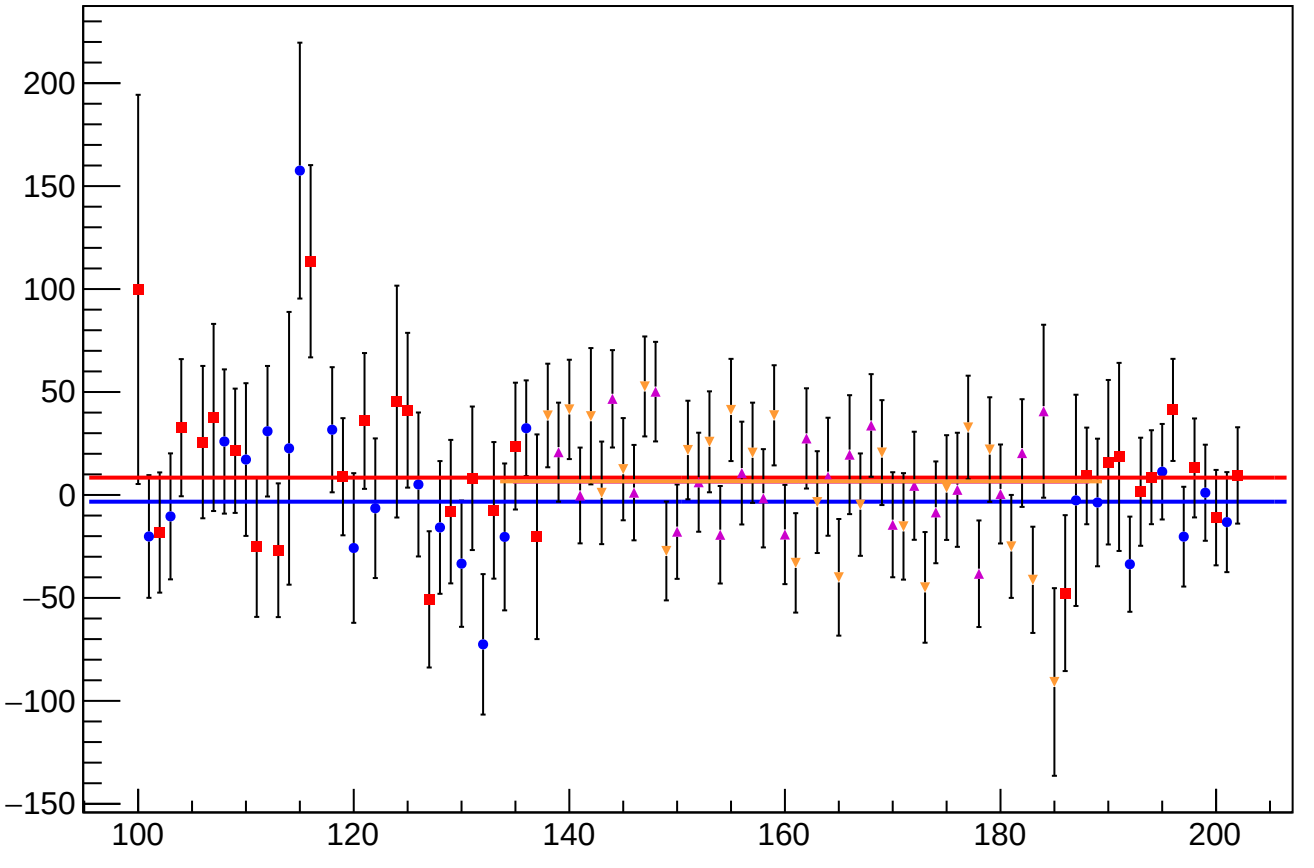
Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

Right: 175.455+/-0.026 χ^2/NDF: 4980717.7/51

In: 179.004+/-0.024 χ^2/NDF:3790310.8/45

Out: 186.953+/-0.024 χ^2/NDF:4862044.6/53

All: 182.993+/-0.017 χ^2/NDF: 8707368.5/99



Right In: -3.268+/-6.368 χ^2/NDF: 21.8/22

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 8.422+/-5.880 χ^2/NDF: 21.3/28

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

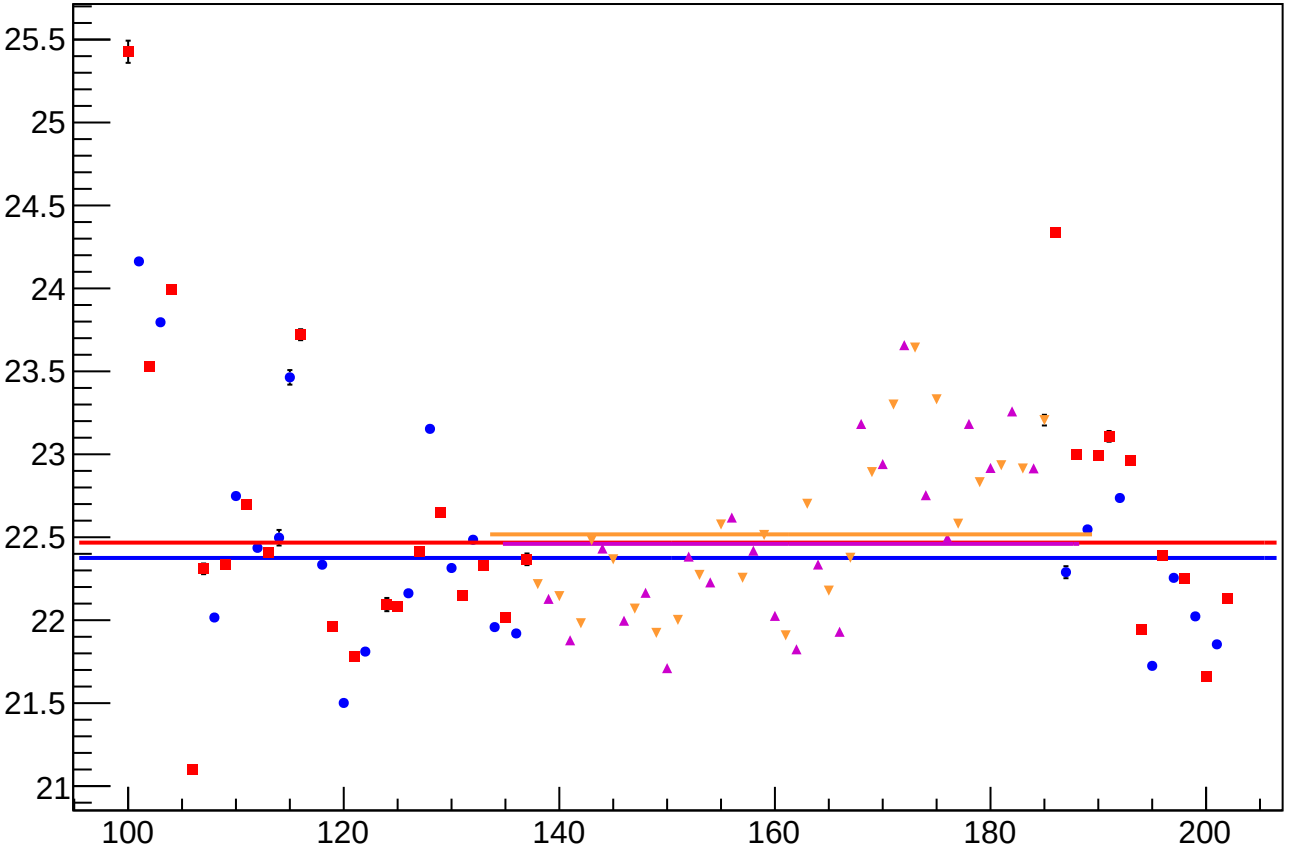
Right: 3.042+/-4.320 χ^2/NDF: 44.9/51

In: 2.540+/-4.049 χ^2/NDF:40.6/45

Out: 7.391+/-3.860 χ^2/NDF:58.3/53

All: 5.082+/-2.794 χ^2/NDF: 99.7/99

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.375+/-0.005 χ^2/NDF: 20128.7/22

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.468+/-0.004 χ^2/NDF: 27075.1/28

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

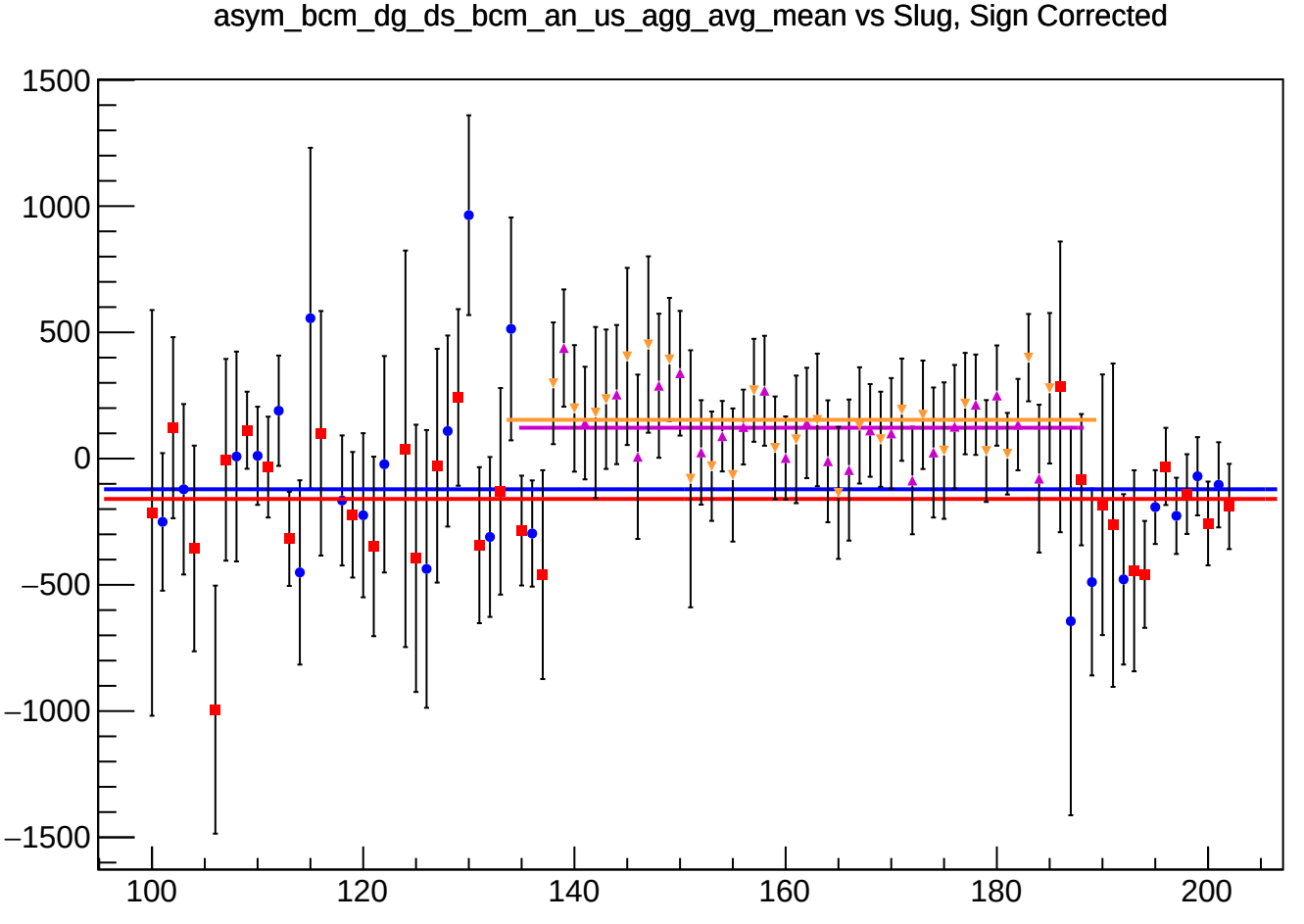
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.425+/-0.003 χ^2/NDF: 47431.3/51

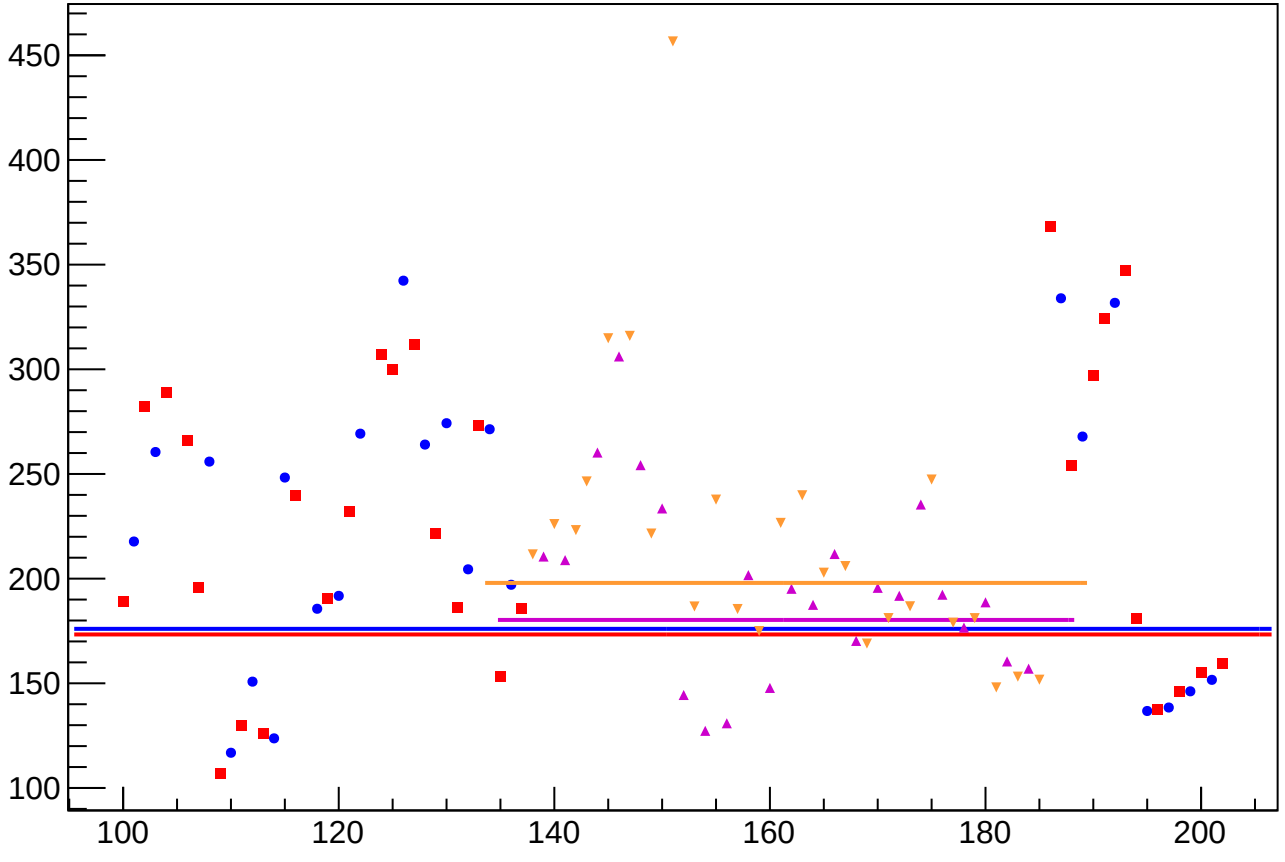
In: 22.426+/-0.003 χ^2/NDF:39458.4/45

Out: 22.496+/-0.003 χ^2/NDF:43159.2/53

All: 22.463+/-0.002 χ^2/NDF: 82931.8/99


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -121.456+/-53.082 χ²/NDF: 19.6/22
Left Out: 153.507+/-46.636 χ²/NDF:10.1/24
Right Out: -159.841+/-48.833 χ²/NDF: 16.0/28
Left In: 122.165+/-44.006 χ²/NDF:7.5/22
Left: 136.928+/-32.006 χ²/NDF: 17.8/47
Right: -142.246+/-35.938 χ²/NDF: 35.9/51
In: 22.930+/-33.878 χ²/NDF:39.5/45
Out: 4.040+/-33.726 χ²/NDF:47.6/53
All: 13.443+/-23.902 χ²/NDF: 87.3/99

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 176.013+/-0.038 χ^2/NDF: 2186382.3/22

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 173.333+/-0.035 χ^2/NDF: 2897874.9/28

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

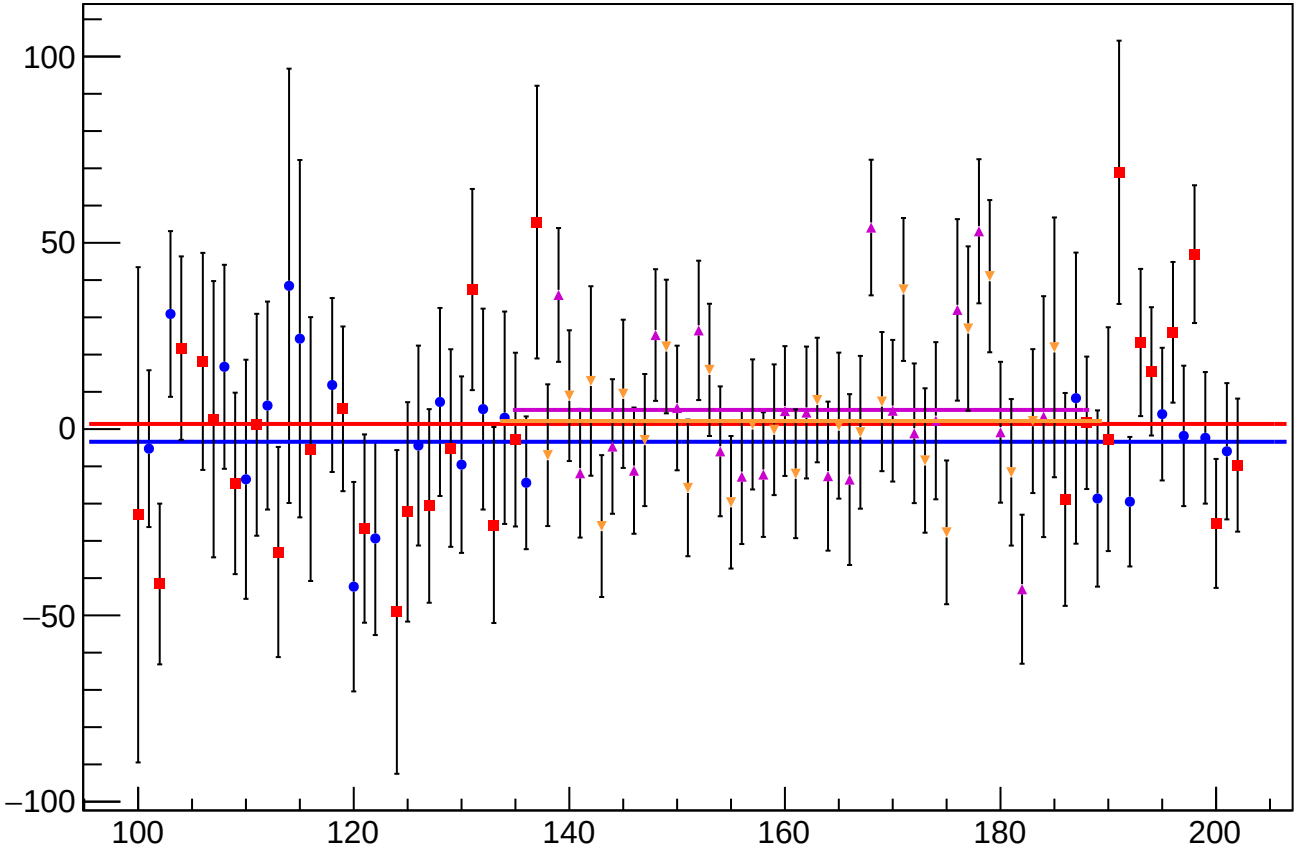
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 174.561+/-0.025 χ^2/NDF: 5087018.5/51

In: 178.539+/-0.024 χ^2/NDF:3818704.4/45

Out: 186.211+/-0.024 χ^2/NDF:4955201.6/53

All: 182.392+/-0.017 χ^2/NDF: 8825431.6/99



Right In: -3.403+/-4.903 χ^2/NDF: 9.7/22

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 1.386+/-4.525 χ^2/NDF: 32.8/28

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

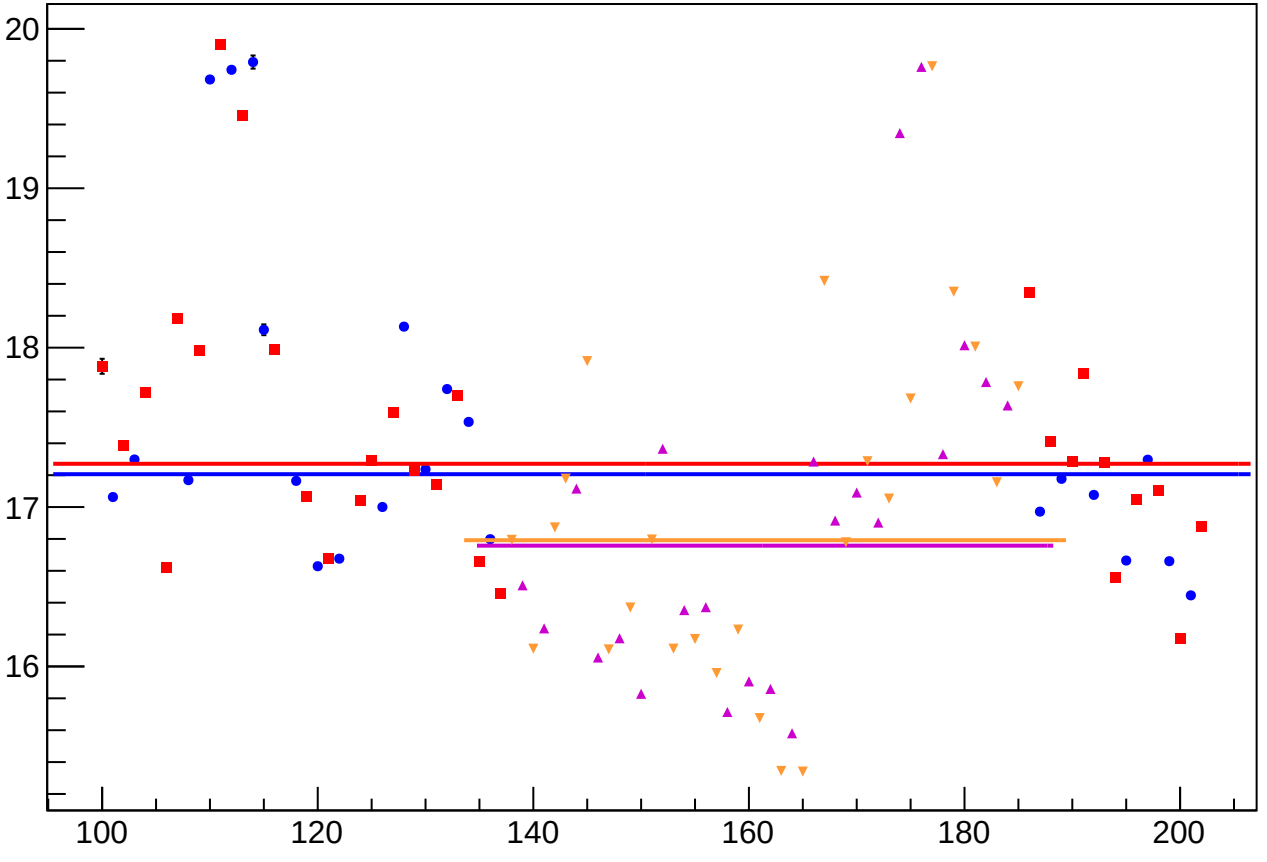
Right: -0.817+/-3.325 χ^2/NDF: 43.0/51

In: 1.811+/-3.064 χ^2/NDF:43.8/45

Out: 1.845+/-2.921 χ^2/NDF:52.8/53

All: 1.829+/-2.114 χ^2/NDF: 96.6/99

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.206+/-0.003 χ^2/NDF: 47253.1/22

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.271+/-0.003 χ^2/NDF: 54213.5/28

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

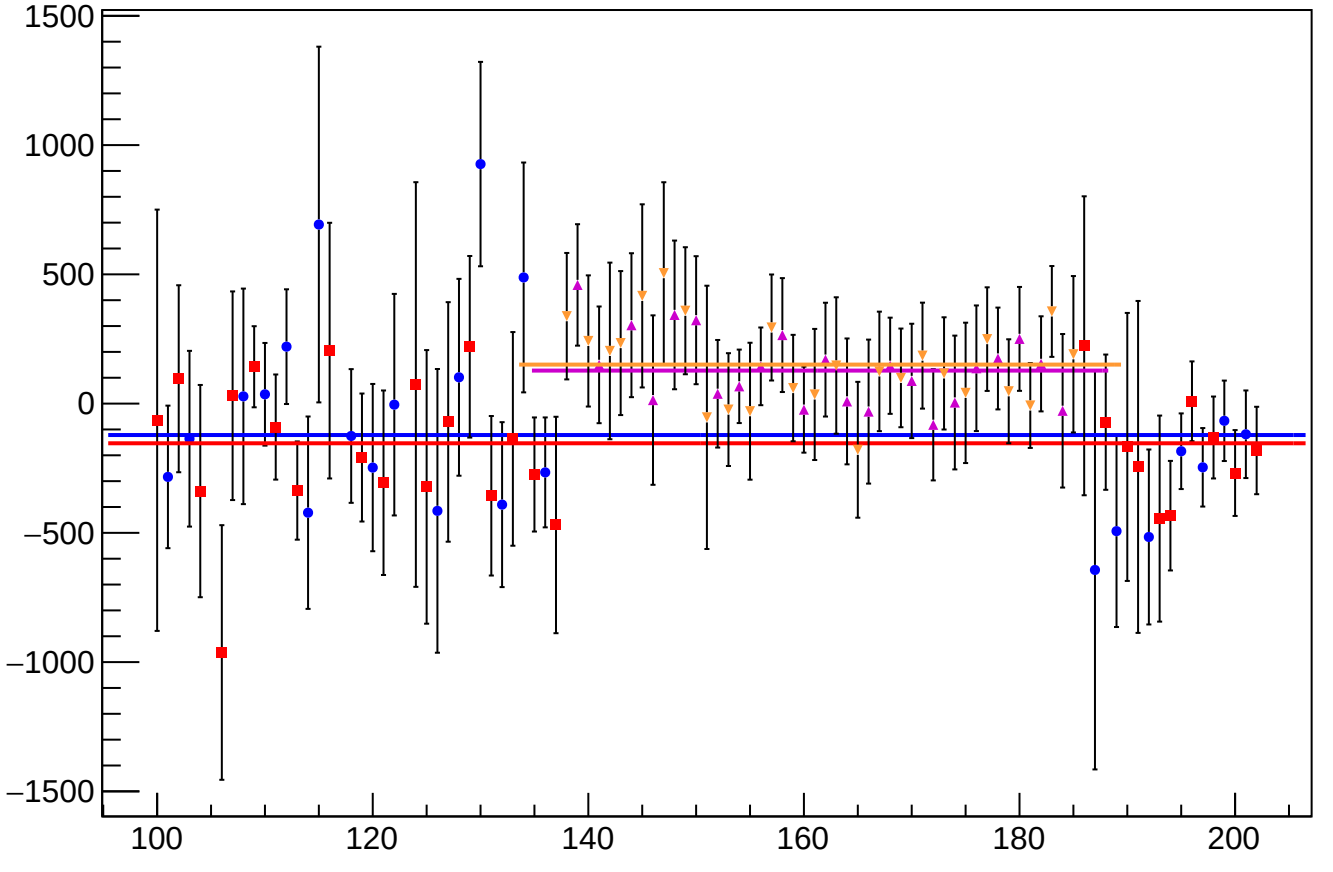
Right: 17.241+/-0.002 χ^2/NDF: 101658.2/51

In: 16.933+/-0.002 χ^2/NDF:180752.8/45

Out: 16.992+/-0.002 χ^2/NDF:204309.1/53

All: 16.964+/-0.001 χ^2/NDF: 385449.6/99

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -121.578+/-53.450 χ^2/NDF: 20.3/22

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -153.488+/-49.260 χ^2/NDF: 16.1/28

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

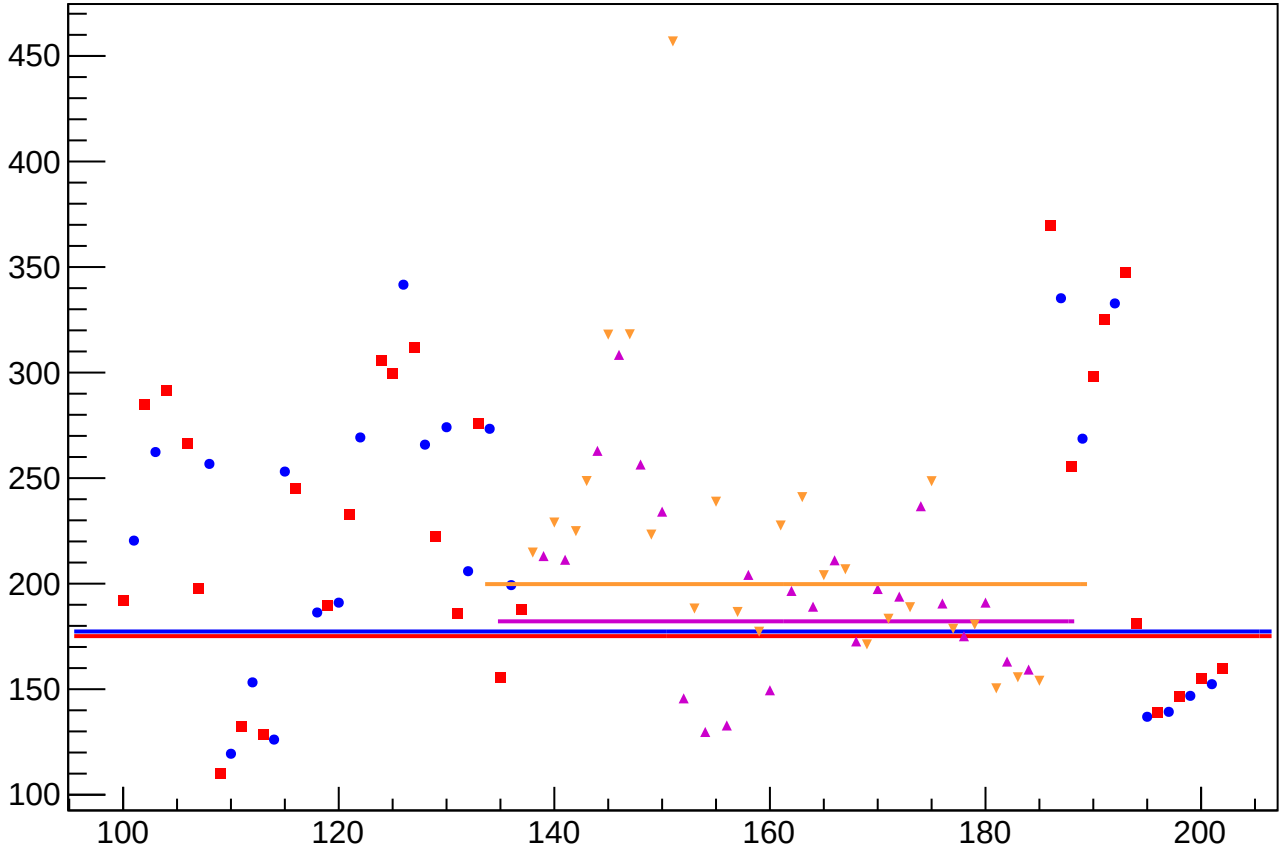
Right: -138.833+/-36.223 χ^2/NDF: 36.5/51

In: 25.856+/-34.166 χ^2/NDF:41.0/45

Out: 5.728+/-34.018 χ^2/NDF:46.0/53

All: 15.749+/-24.106 χ^2/NDF: 87.2/99

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 177.349+/-0.038 χ^2/NDF: 2163356.4/22

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 175.144+/-0.035 χ^2/NDF: 2824654.5/28

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

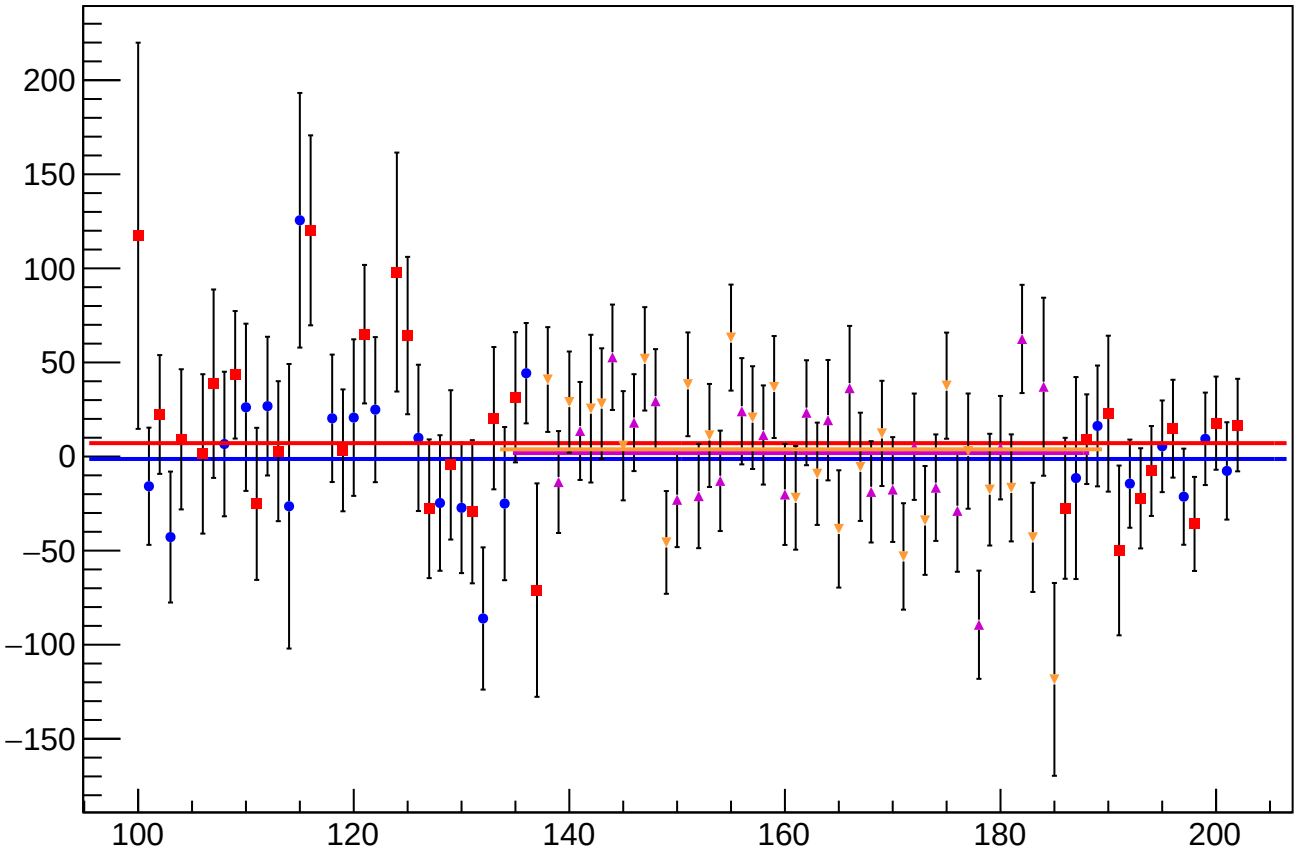
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 176.157+/-0.026 χ^2/NDF: 4989852.1/51

In: 180.189+/-0.024 χ^2/NDF:3757256.9/45

Out: 188.033+/-0.024 χ^2/NDF:4846758.5/53

All: 184.128+/-0.017 χ^2/NDF: 8656964.4/99



Right In: -1.295+/-6.938 χ^2/NDF: 18.4/22

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 7.115+/-6.341 χ^2/NDF: 27.0/28

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

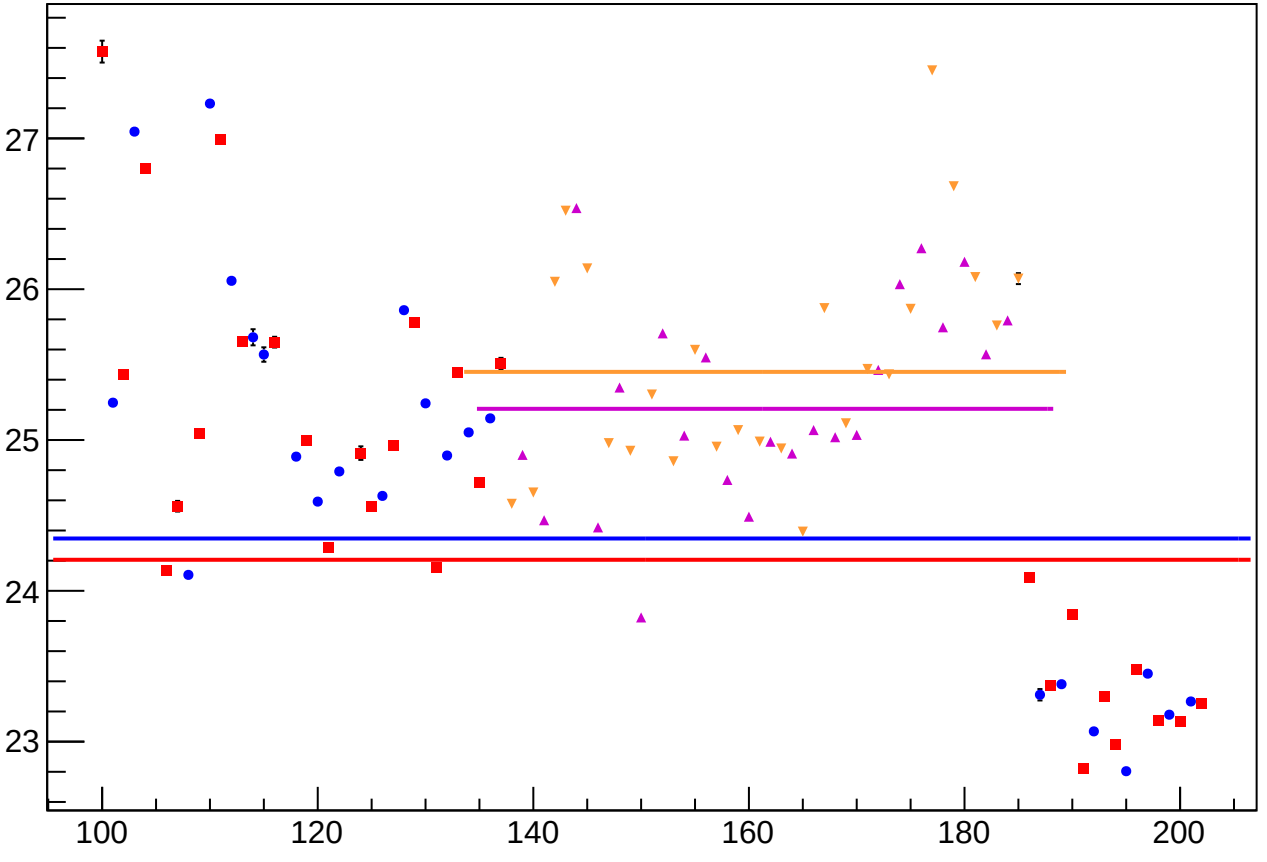
Right: 3.287+/-4.681 χ^2/NDF: 46.2/51

In: 0.532+/-4.492 χ^2/NDF:46.6/45

Out: 5.324+/-4.275 χ^2/NDF:64.8/53

All: 3.046+/-3.097 χ^2/NDF: 111.9/99

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.347+/-0.005 χ^2/NDF: 63419.9/22

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.206+/-0.004 χ^2/NDF: 63647.7/28

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

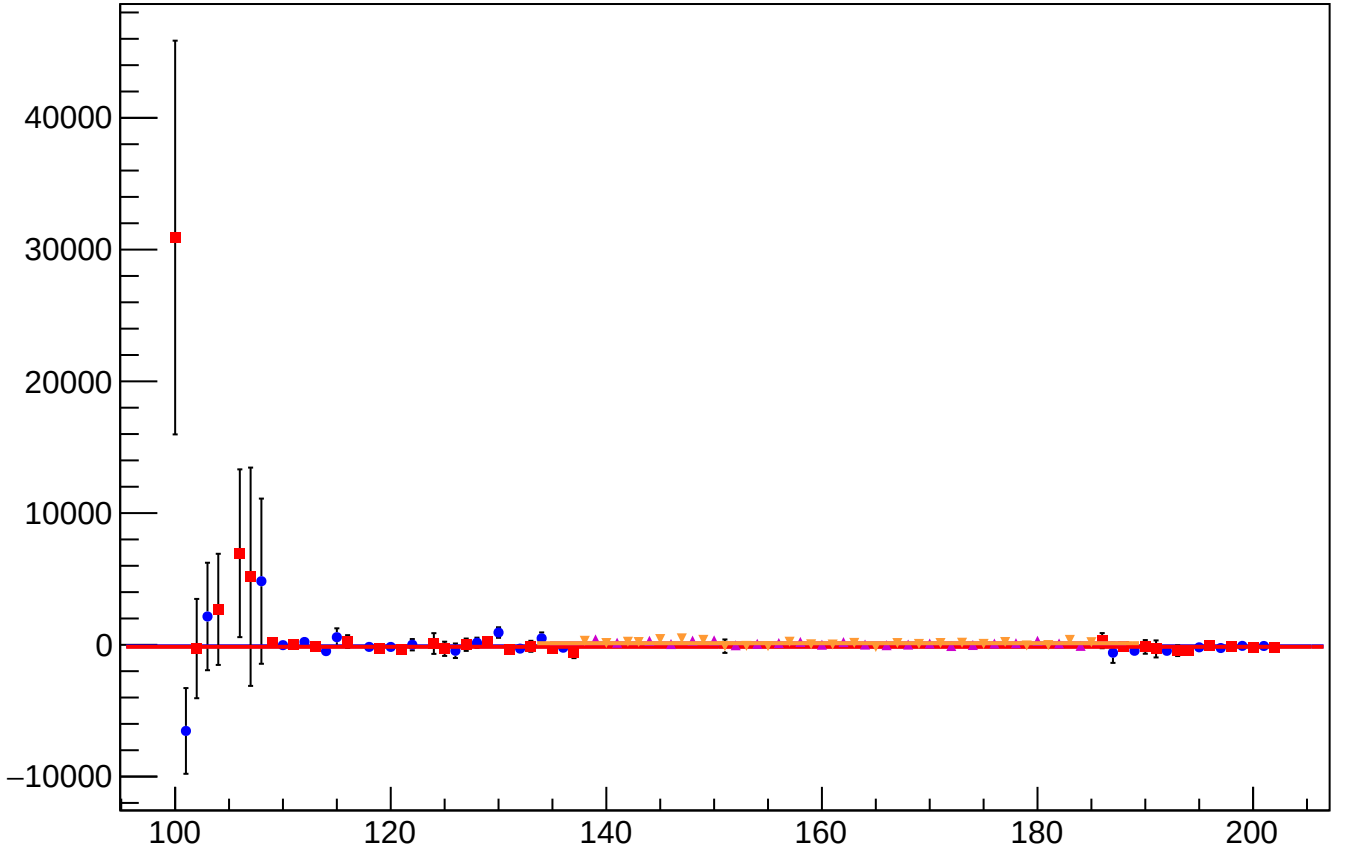
Right: 24.270+/-0.003 χ^2/NDF: 127518.5/51

In: 24.846+/-0.003 χ^2/NDF:107091.9/45

Out: 24.885+/-0.003 χ^2/NDF:135375.5/53

All: 24.867+/-0.002 χ^2/NDF: 242546.6/99

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -109.509+/-56.522 χ^2/NDF: 22.9/22

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -149.662+/-52.724 χ^2/NDF: 18.0/28

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

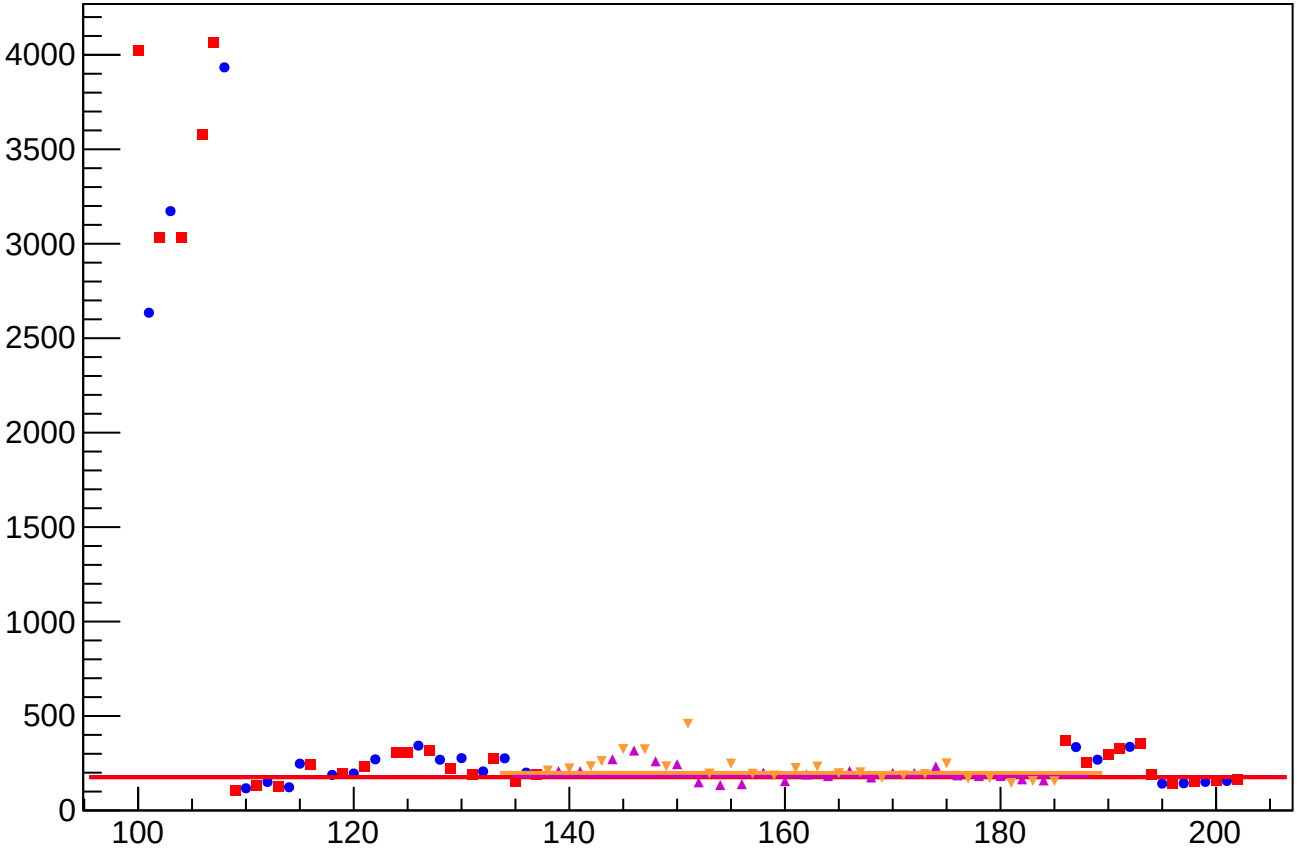
Right: -130.980+/-38.554 χ^2/NDF: 41.1/51

In: 29.612+/-35.143 χ^2/NDF:40.7/45

Out: 3.687+/-35.053 χ^2/NDF:44.2/53

All: 16.616+/-24.818 χ^2/NDF: 85.2/99

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 176.335+/-0.040 χ^2/NDF: 4799136.7/22

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 176.217+/-0.037 χ^2/NDF: 5481815.5/28

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

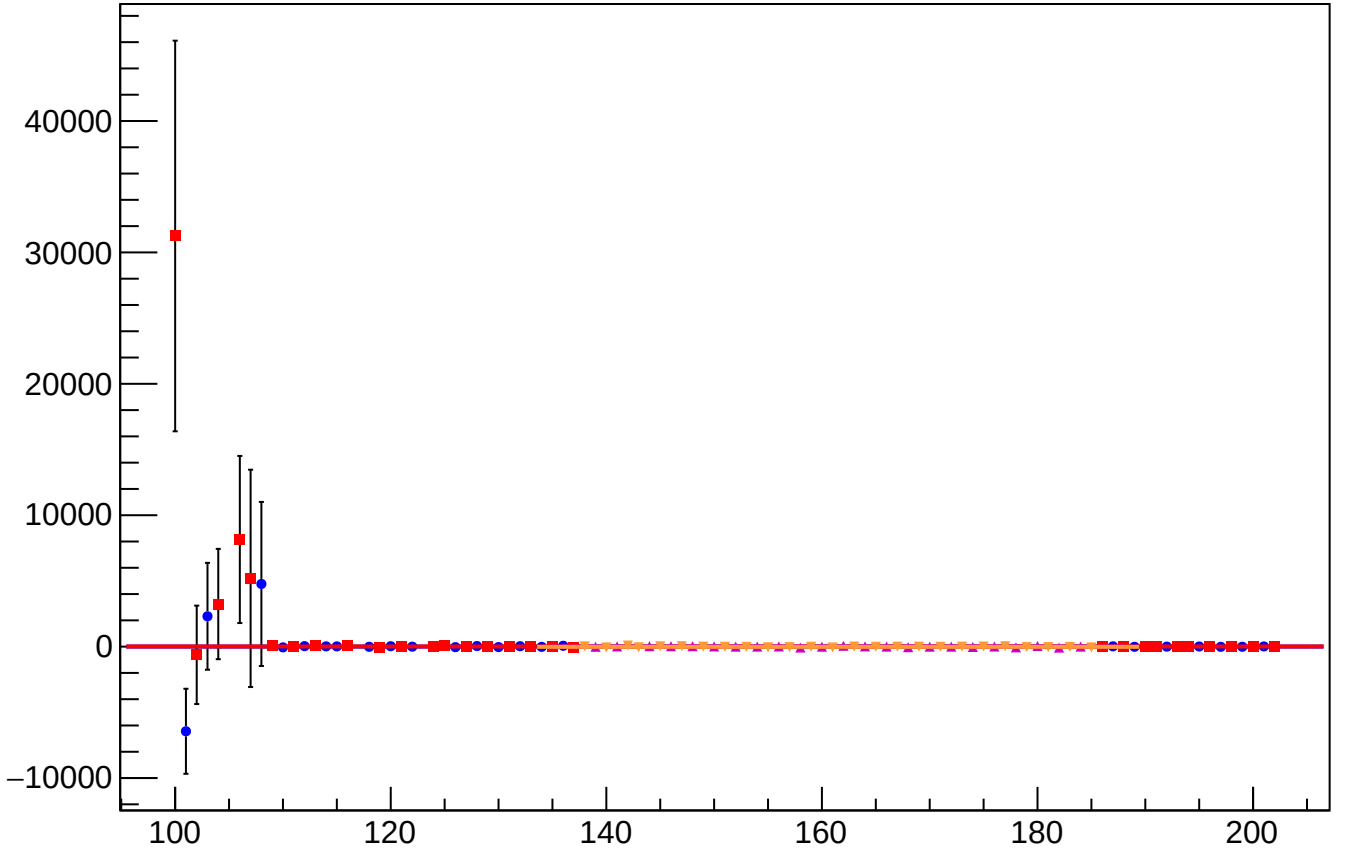
Right: 176.272+/-0.027 χ^2/NDF: 10280956.8/51

In: 181.281+/-0.025 χ^2/NDF:6270415.2/45

Out: 188.926+/-0.025 χ^2/NDF:7592234.3/53

All: 185.114+/-0.018 χ^2/NDF: 13910097.9/99

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.416+/-8.409 χ^2/NDF: 17.3/22

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 12.652+/-7.794 χ^2/NDF: 29.4/28

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

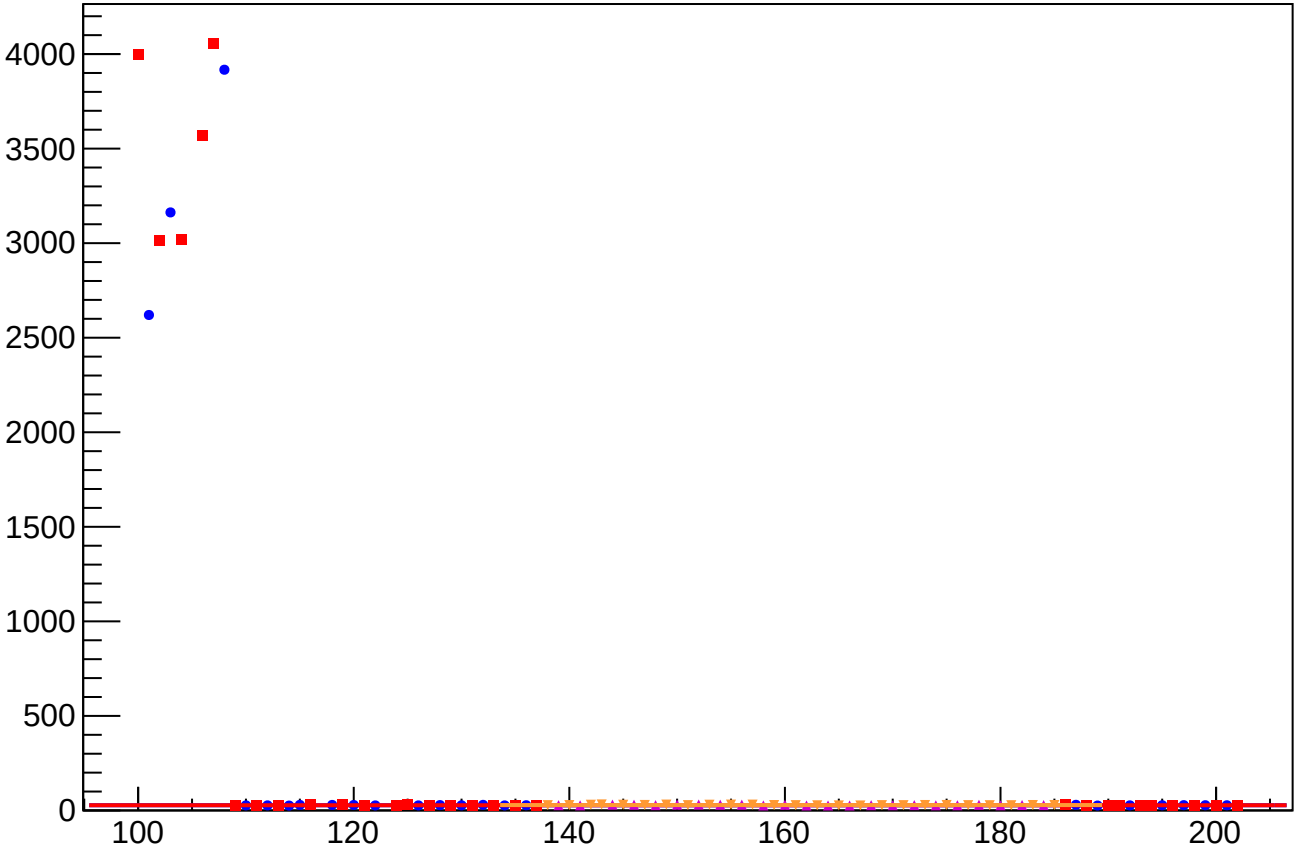
Right: 8.847+/-5.716 χ^2/NDF: 47.3/51

In: 3.044+/-5.242 χ^2/NDF:45.7/45

Out: -3.531+/-4.997 χ^2/NDF:59.0/53

All: -0.400+/-3.617 χ^2/NDF: 105.5/99

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.499+/-0.006 χ^2/NDF: 3273570.7/22

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.542+/-0.006 χ^2/NDF: 3583356.5/28

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

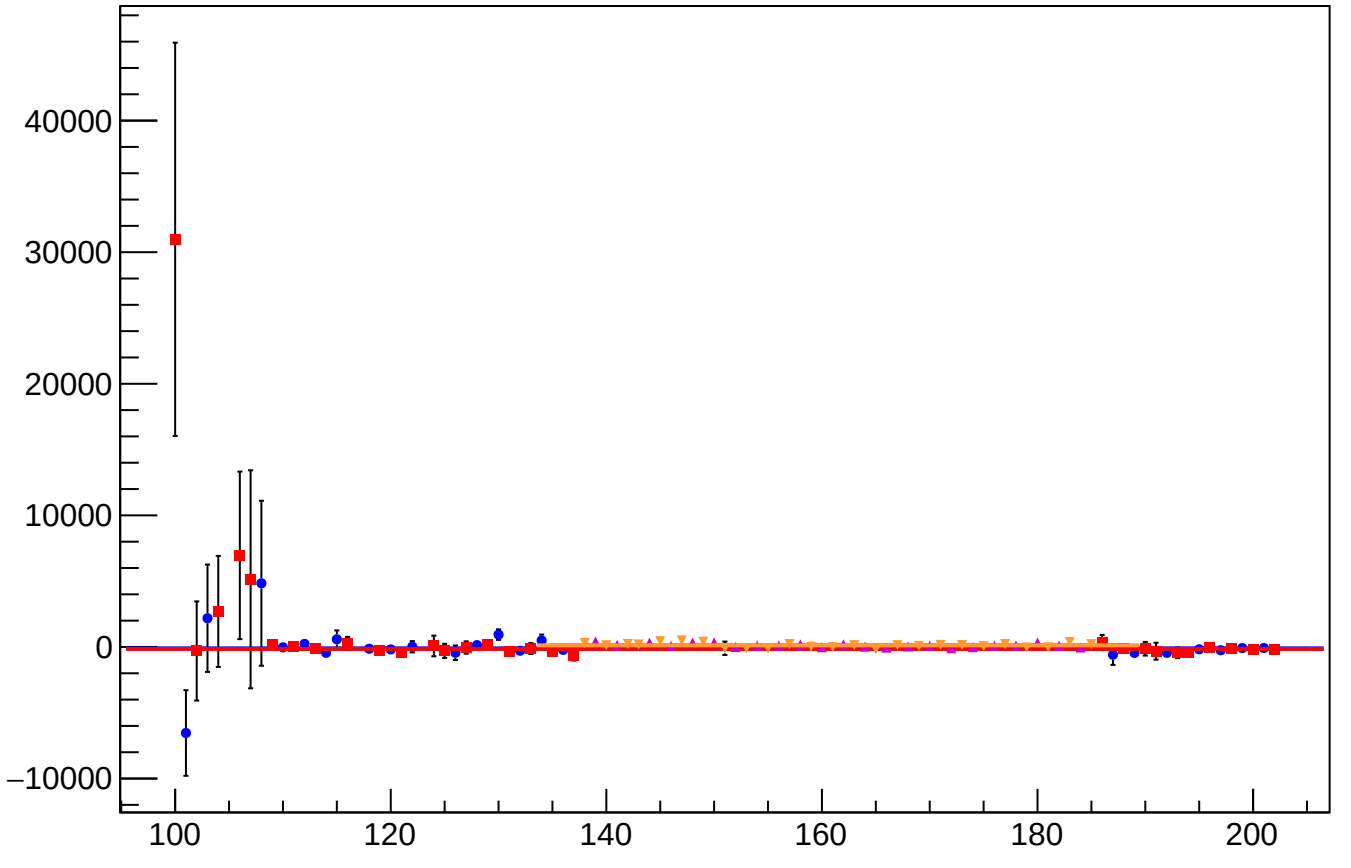
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.522+/-0.004 χ^2/NDF: 6856954.5/51

In: 28.176+/-0.004 χ^2/NDF:3417676.8/45

Out: 28.157+/-0.004 χ^2/NDF:3692623.3/53

All: 28.166+/-0.003 χ^2/NDF: 7110314.4/99



Right In: -108.710+/-56.351 χ^2/NDF: 22.9/22

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -150.556+/-52.580 χ^2/NDF: 18.3/28

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

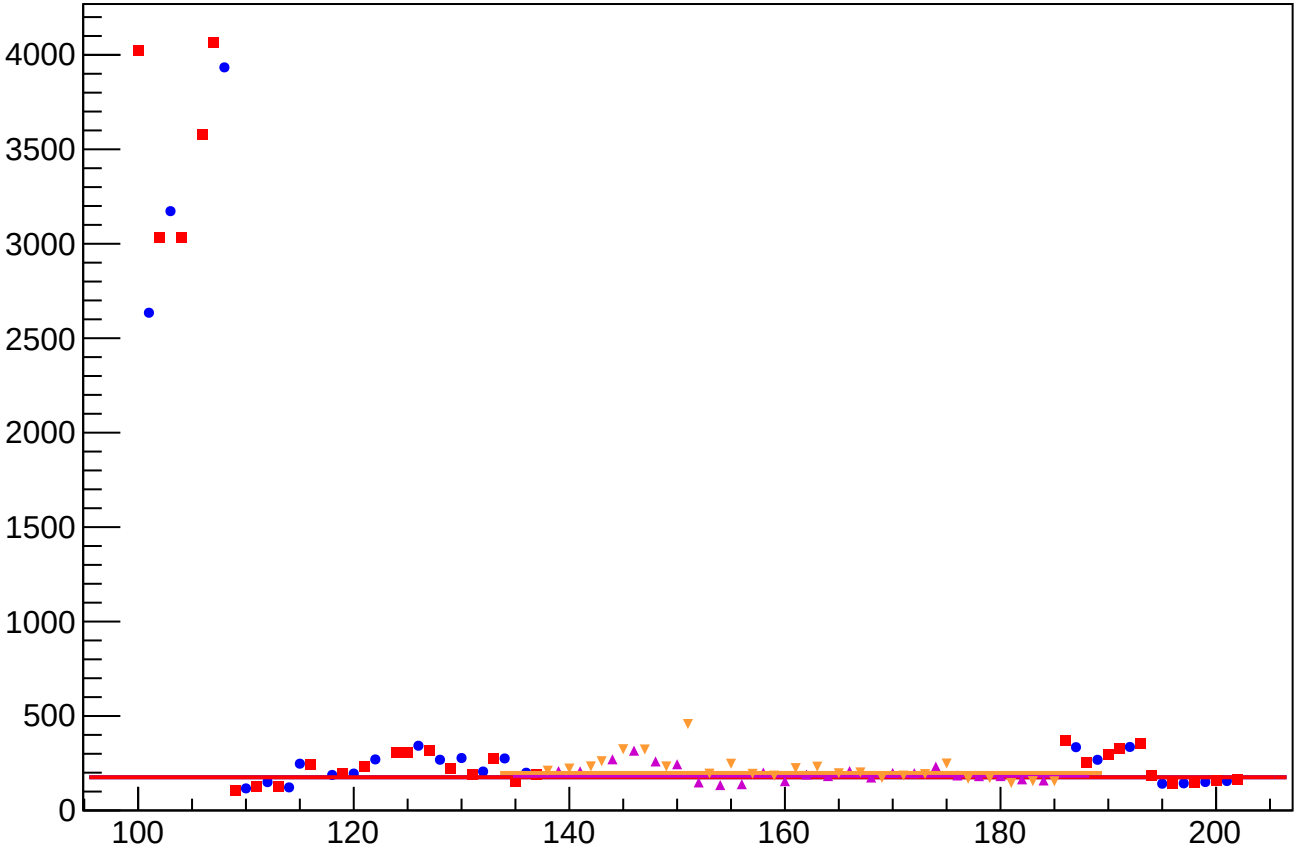
Right: -131.080+/-38.444 χ^2/NDF: 41.5/51

In: 29.158+/-35.061 χ^2/NDF:41.1/45

Out: 1.402+/-34.969 χ^2/NDF:45.3/53

All: 15.243+/-24.759 χ^2/NDF: 86.7/99

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.739+/-0.040 χ^2/NDF: 4813386.8/22

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 175.668+/-0.037 χ^2/NDF: 5500120.1/28

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

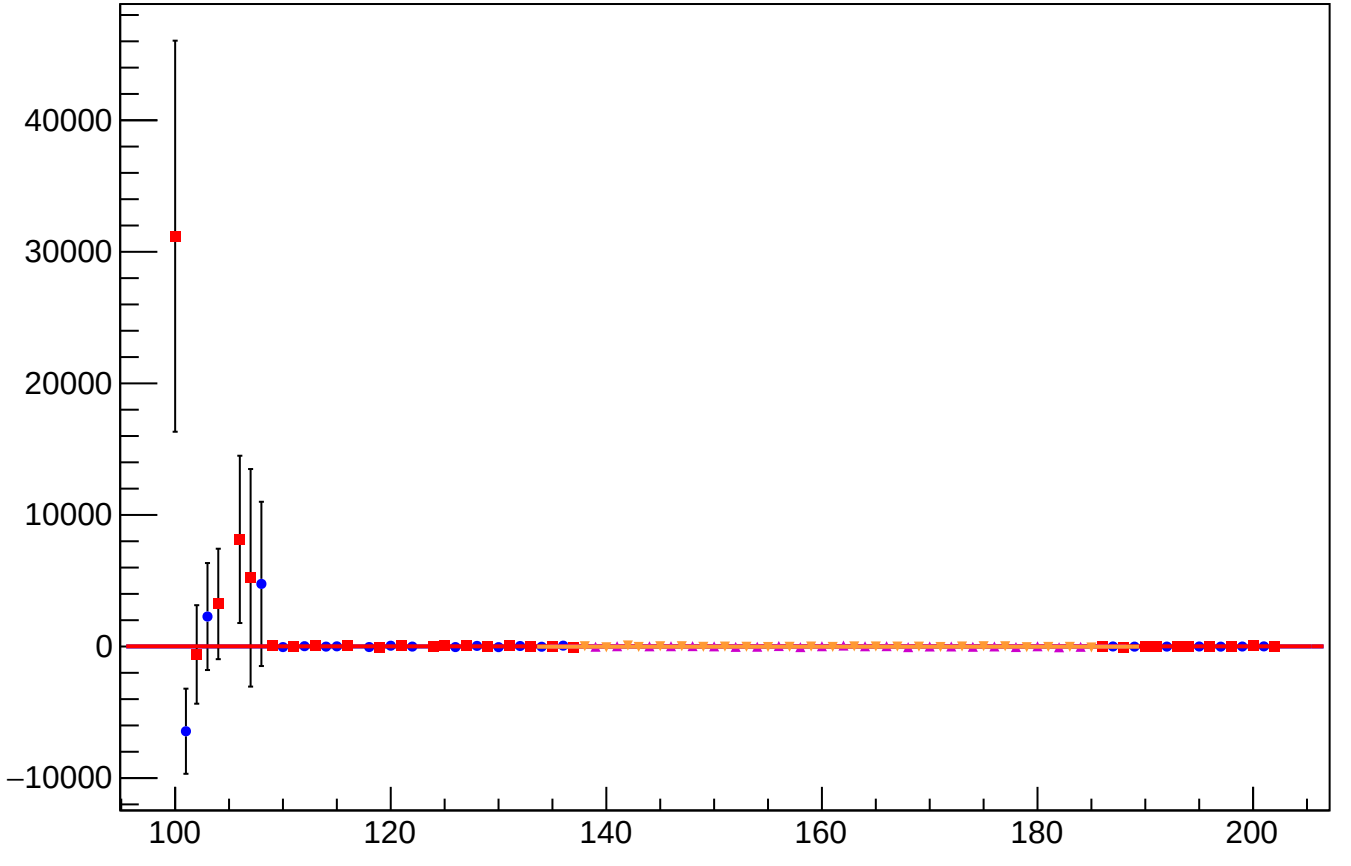
Right: 175.701+/-0.027 χ^2/NDF: 10313508.6/51

In: 180.833+/-0.025 χ^2/NDF:6285481.5/45

Out: 188.441+/-0.025 χ^2/NDF:7613244.4/53

All: 184.647+/-0.018 χ^2/NDF: 13945932.3/99

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.163+/-8.414 χ^2/NDF: 18.9/22

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 14.661+/-7.795 χ^2/NDF: 28.6/28

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

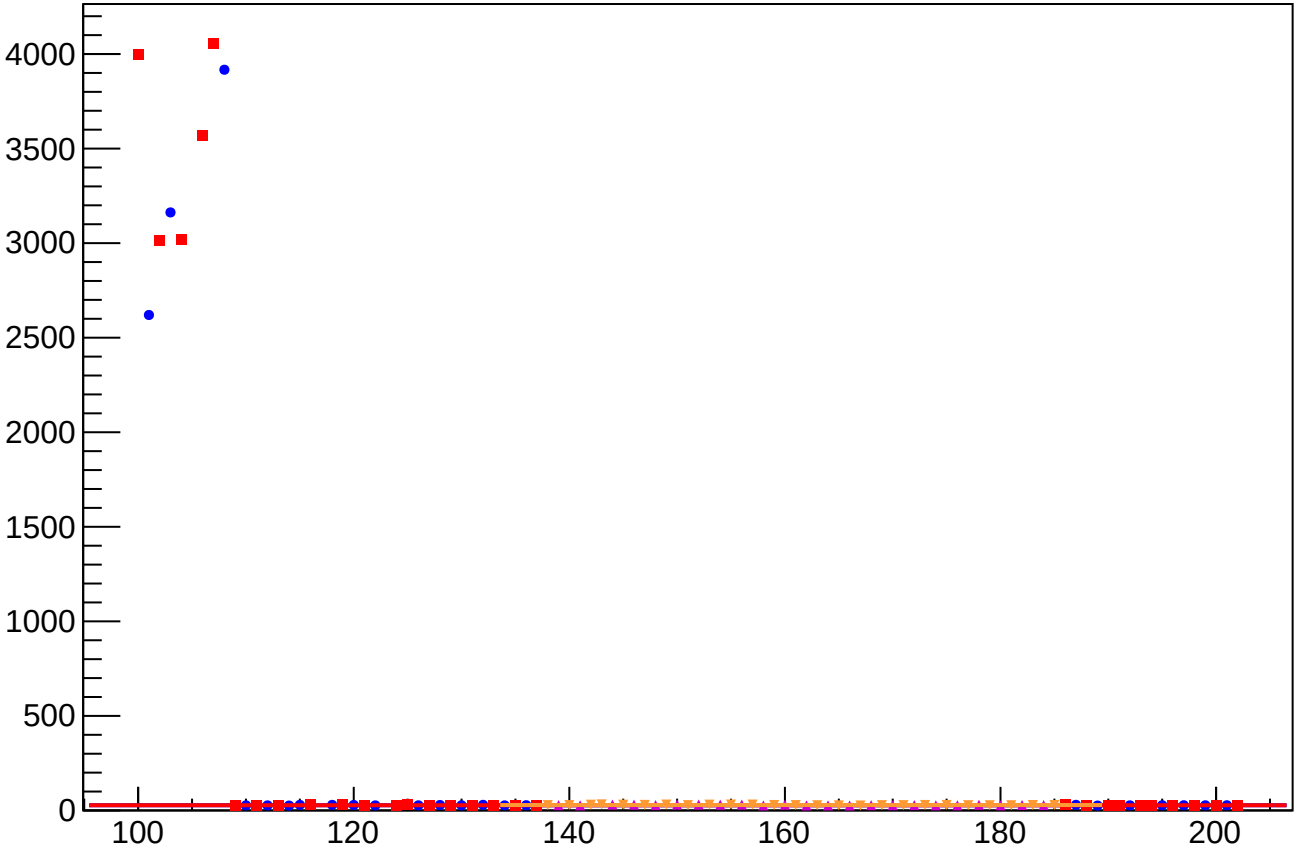
Right: 8.889+/-5.718 χ^2/NDF: 48.7/51

In: 2.415+/-5.257 χ^2/NDF:41.0/45

Out: -0.903+/-5.010 χ^2/NDF:53.3/53

All: 0.676+/-3.627 χ^2/NDF: 94.6/99

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.514+/-0.006 χ^2/NDF: 3275051.5/22

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.545+/-0.006 χ^2/NDF: 3581595.5/28

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

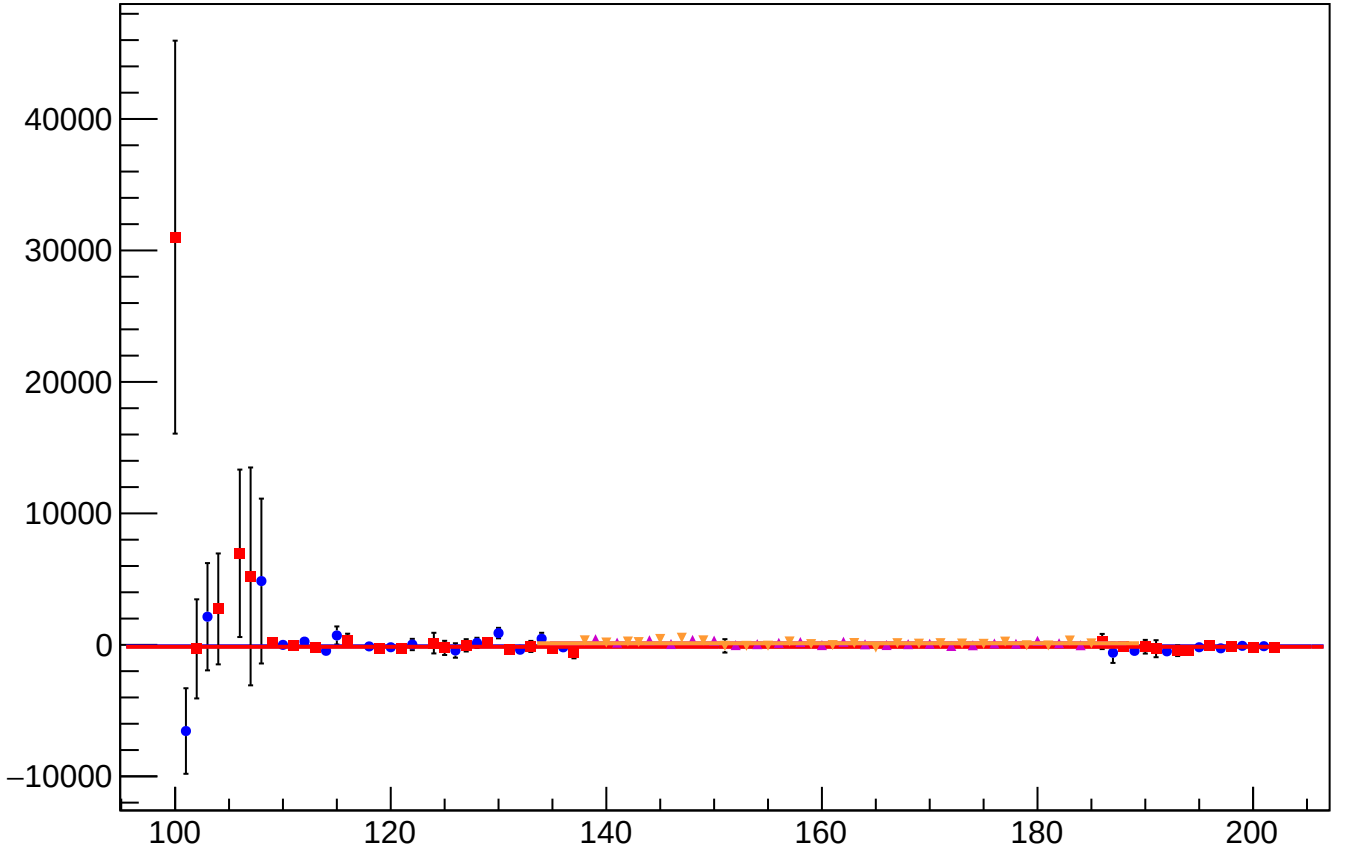
Right: 27.530+/-0.004 χ^2/NDF: 6856661.5/51

In: 28.254+/-0.004 χ^2/NDF:3427814.7/45

Out: 28.227+/-0.004 χ^2/NDF:3706580.3/53

All: 28.240+/-0.003 χ^2/NDF: 7134422.5/99

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -108.098+/-56.817 χ^2/NDF: 23.5/22

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -146.907+/-53.033 χ^2/NDF: 17.5/28

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

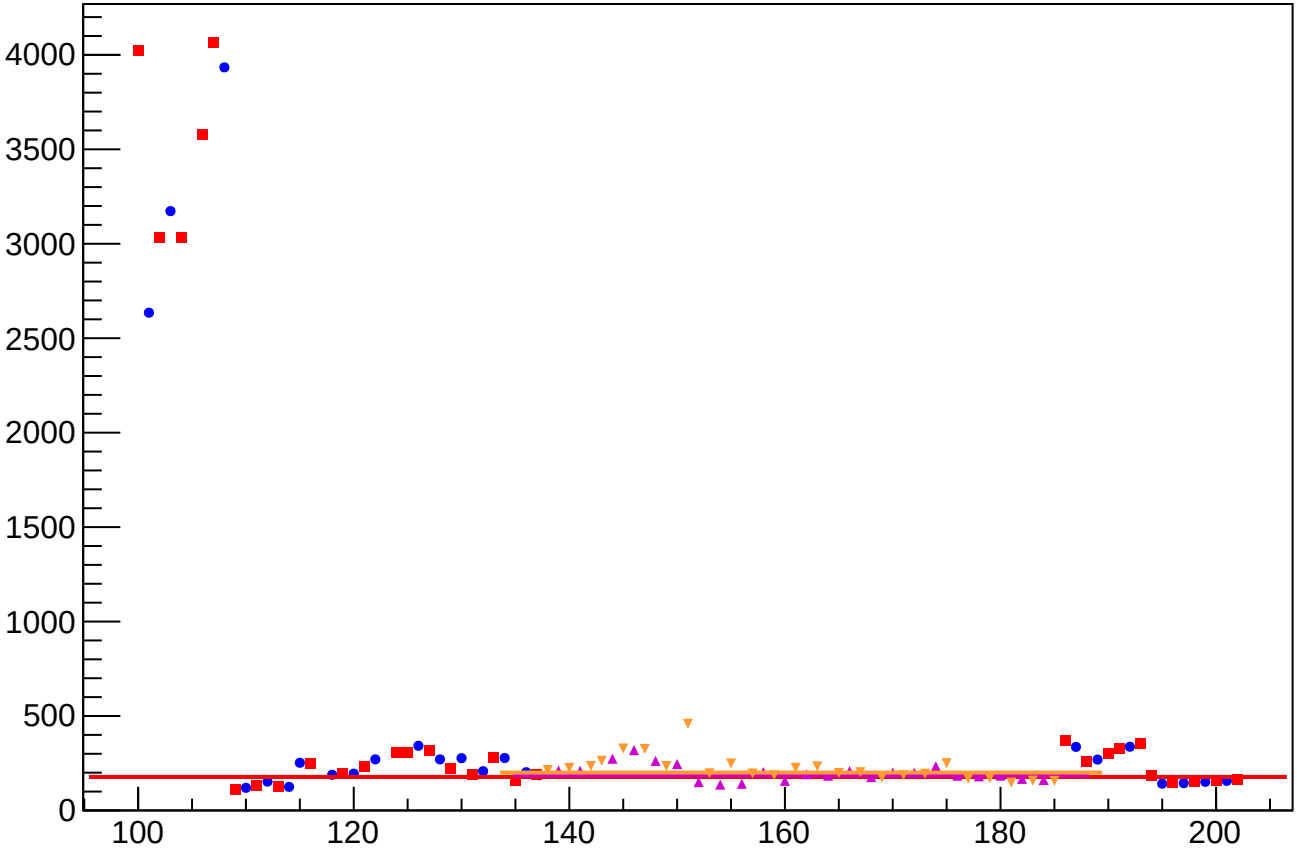
Right: -128.838+/-38.769 χ^2/NDF: 41.3/51

In: 33.291+/-35.405 χ^2/NDF:42.1/45

Out: 3.343+/-35.299 χ^2/NDF:43.3/53

All: 18.272+/-24.998 χ^2/NDF: 85.7/99

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 177.366+/-0.040 χ^2/NDF: 4778993.6/22

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 177.457+/-0.037 χ^2/NDF: 5434546.8/28

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

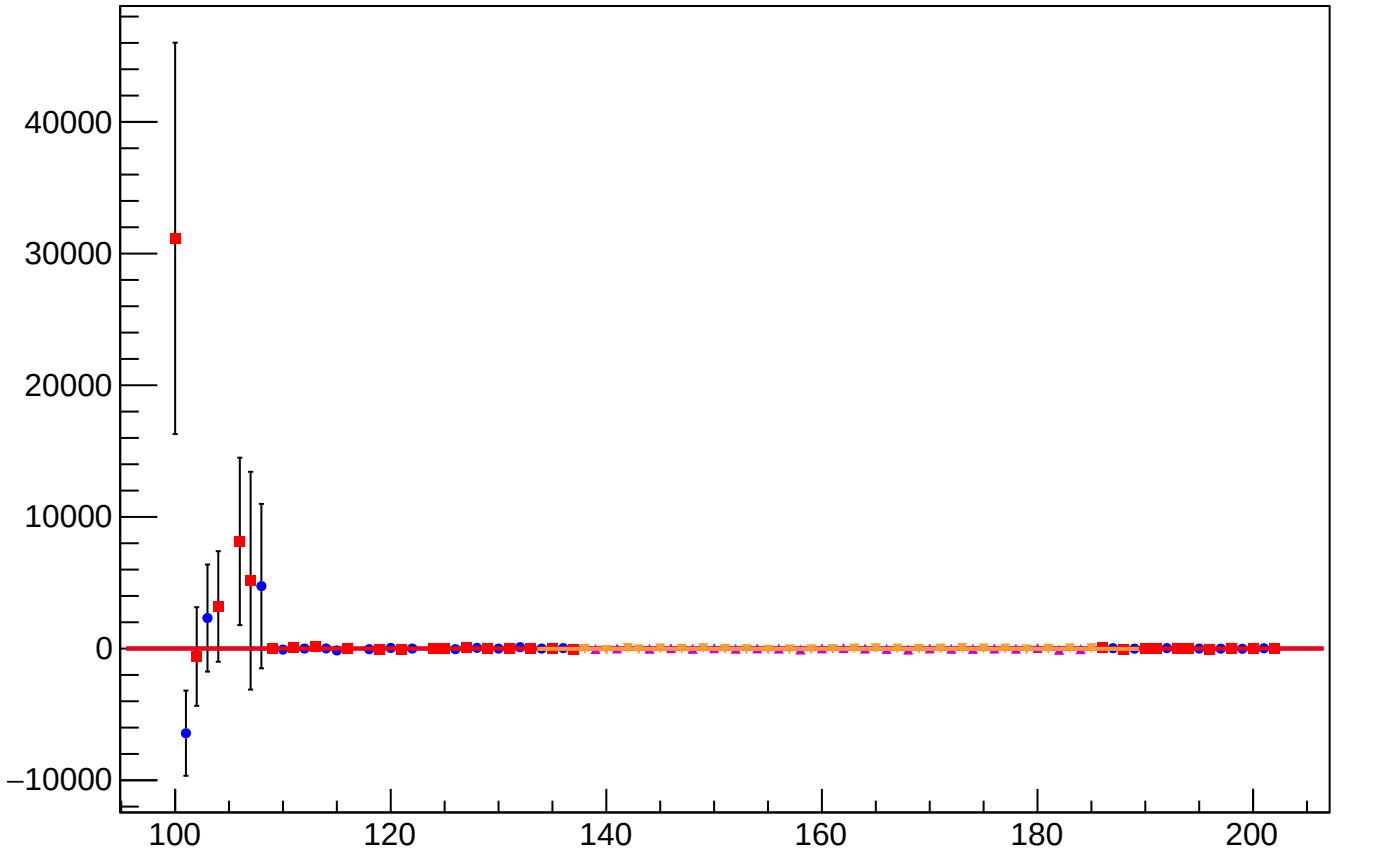
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 177.415+/-0.027 χ^2/NDF: 10213543.2/51

In: 182.751+/-0.025 χ^2/NDF:6221751.8/45

Out: 190.394+/-0.025 χ^2/NDF:7528329.4/53

All: 186.584+/-0.018 χ^2/NDF: 13796831.9/99



Right In: 7.415+/-10.250 χ^2/NDF: 19.0/22

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 4.439+/-9.492 χ^2/NDF: 30.7/28

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

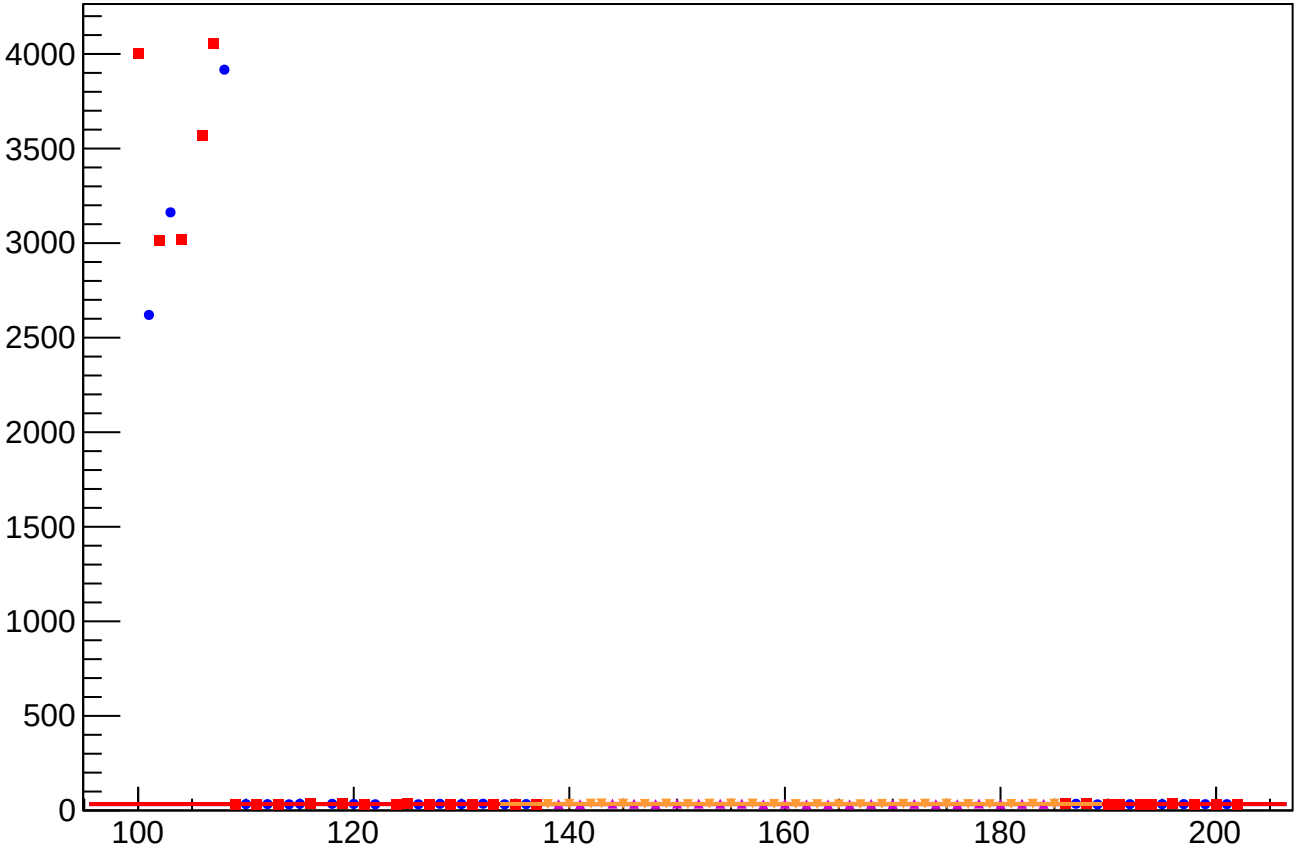
Right: 5.813+/-6.964 χ^2/NDF: 49.7/51

In: 0.359+/-6.347 χ^2/NDF:38.7/45

Out: -10.826+/-6.042 χ^2/NDF:58.0/53

All: -5.508+/-4.376 χ^2/NDF: 98.3/99

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.557+/-0.007 χ^2/NDF: 3249190.8/22

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.593+/-0.007 χ^2/NDF: 3541515.9/28

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

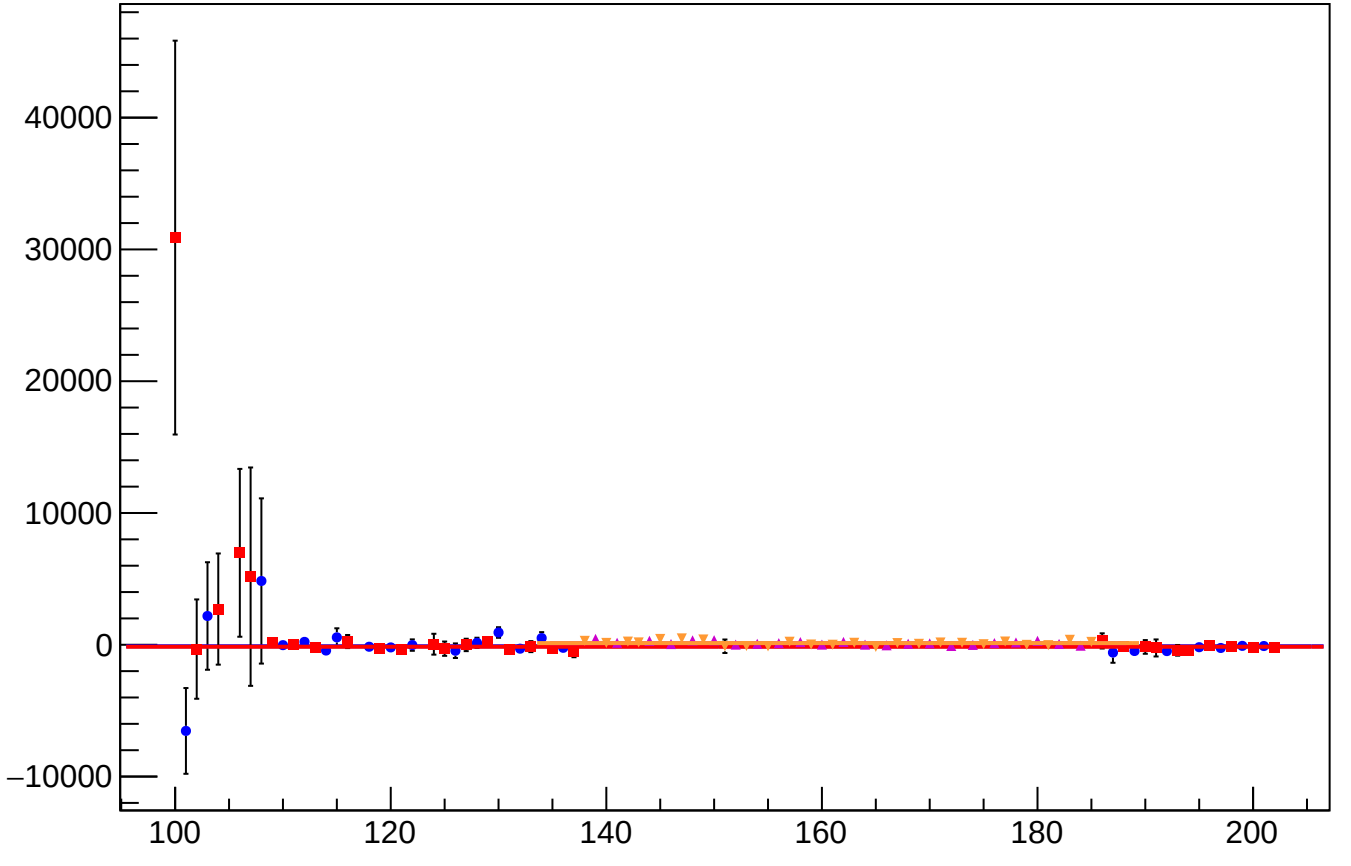
Right: 33.577+/-0.005 χ^2/NDF: 6790719.7/51

In: 34.171+/-0.004 χ^2/NDF:3320080.2/45

Out: 34.096+/-0.004 χ^2/NDF:3595642.9/53

All: 34.131+/-0.003 χ^2/NDF: 6915868.7/99

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -113.570+/-56.634 χ^2/NDF: 22.8/22

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -148.846+/-52.815 χ^2/NDF: 17.0/28

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

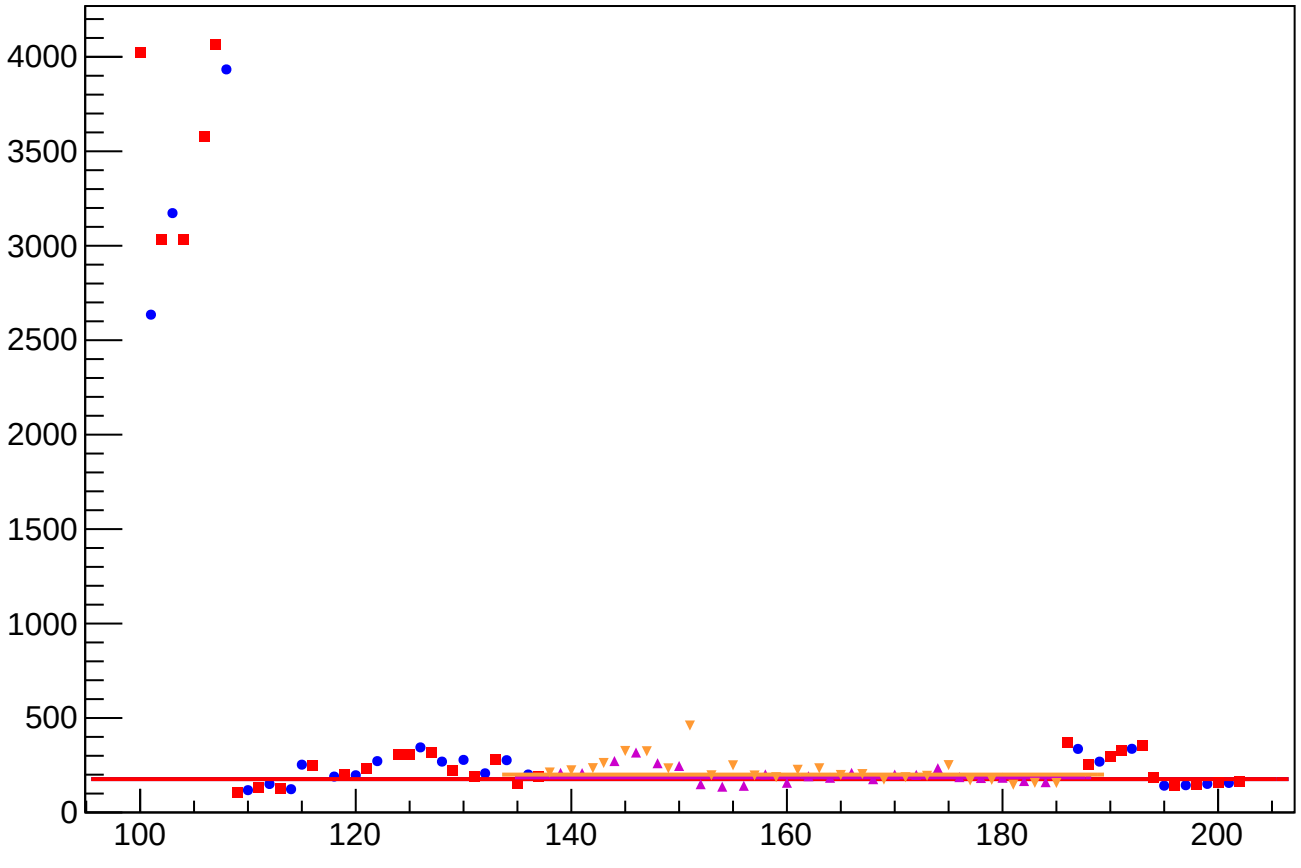
Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

Right: -132.438+/-38.625 χ^2/NDF: 40.0/51

In: 30.832+/-35.327 χ^2/NDF:41.4/45

Out: 4.816+/-35.205 χ^2/NDF:43.9/53

All: 17.779+/-24.937 χ^2/NDF: 85.6/99



Right In: 176.647+/-0.040 χ^2/NDF: 4808689.9/22

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 176.513+/-0.037 χ^2/NDF: 5487856.3/28

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

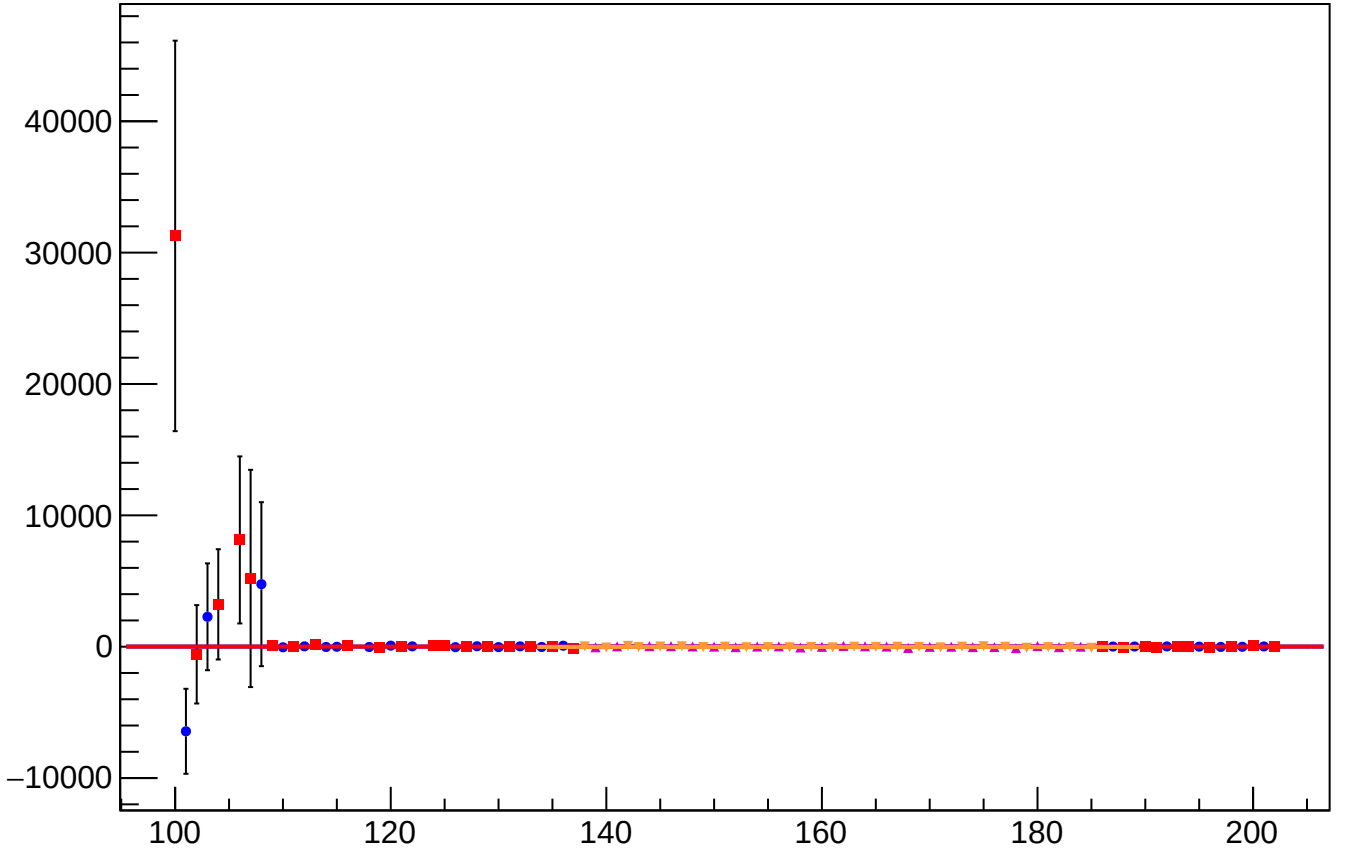
Right: 176.575+/-0.027 χ^2/NDF: 10296552.2/51

In: 182.282+/-0.025 χ^2/NDF:6246628.7/45

Out: 189.771+/-0.025 χ^2/NDF:7591192.6/53

All: 186.039+/-0.018 χ^2/NDF: 13882911.0/99

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.027+/-9.301 χ^2/NDF: 16.8/22

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 8.258+/-8.604 χ^2/NDF: 38.4/28

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

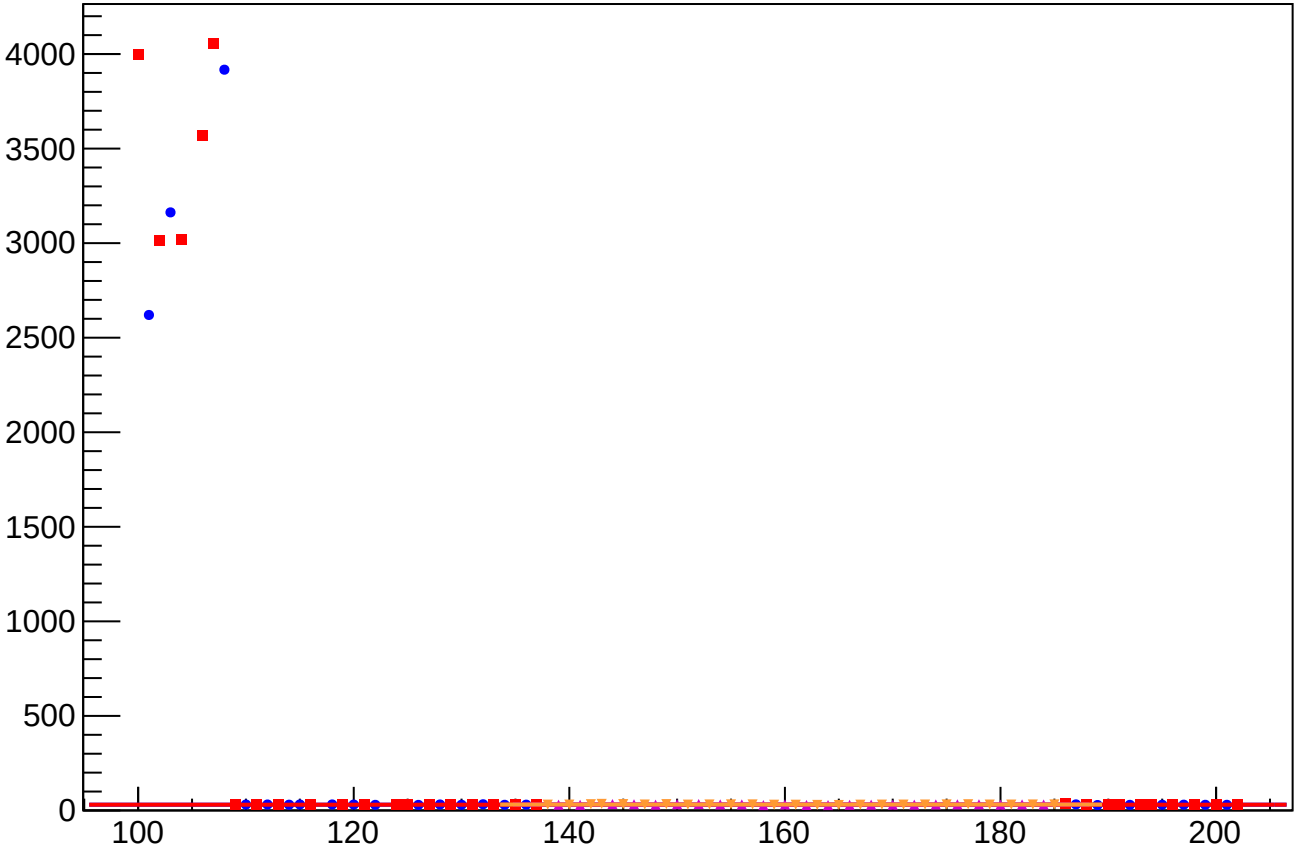
Right: 9.074+/-6.316 χ^2/NDF: 55.1/51

In: 2.185+/-5.766 χ^2/NDF:53.4/45

Out: -7.646+/-5.492 χ^2/NDF:64.5/53

All: -2.969+/-3.977 χ^2/NDF: 119.5/99

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.428+/-0.007 χ^2/NDF: 3263240.0/22

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.426+/-0.006 χ^2/NDF: 3559112.1/28

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

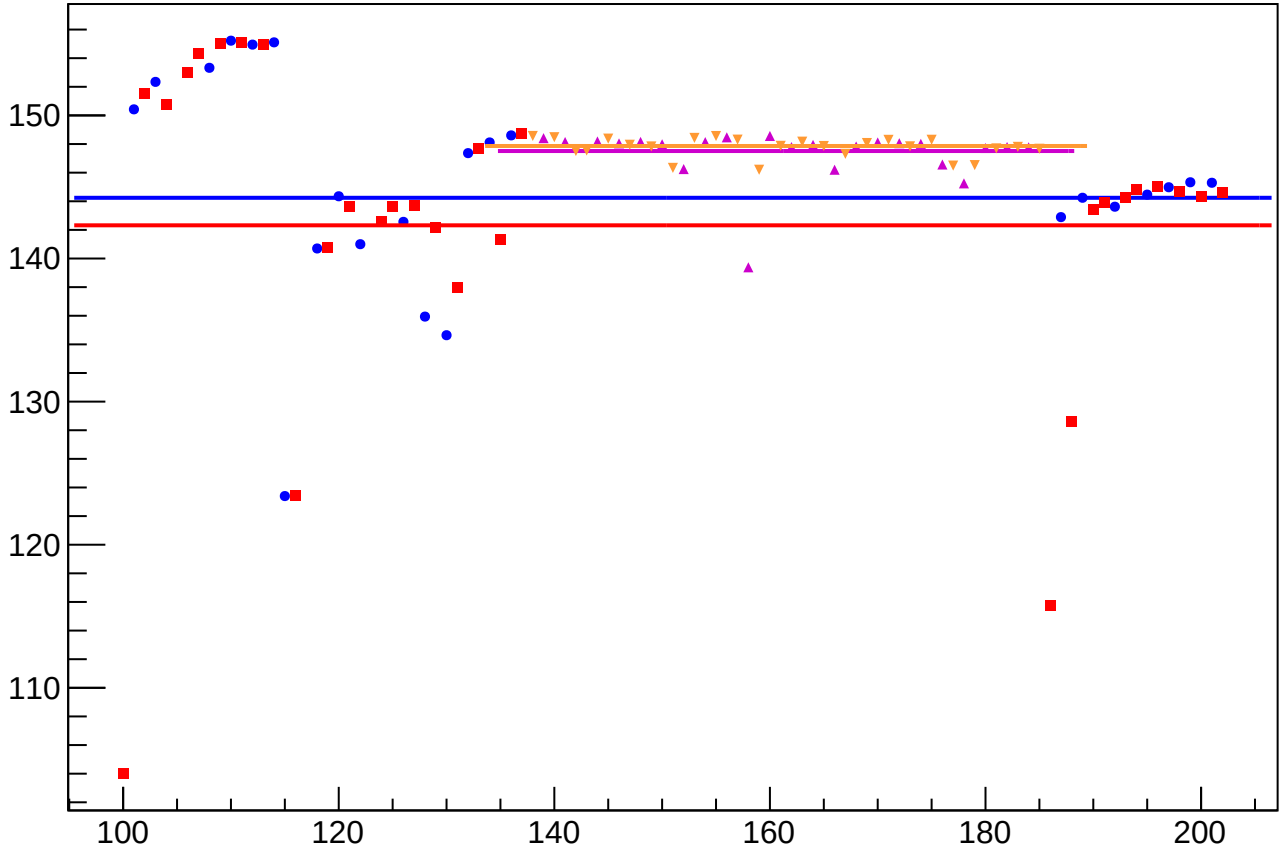
Right: 30.427+/-0.004 χ^2/NDF: 6822352.1/51

In: 31.014+/-0.004 χ^2/NDF:3361361.4/45

Out: 30.967+/-0.004 χ^2/NDF:3635502.3/53

All: 30.989+/-0.003 χ^2/NDF: 6996931.3/99

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.244+/-0.000 χ^2/NDF: 3736007829.6/22

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.320+/-0.000 χ^2/NDF: 7521791211.7/28

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

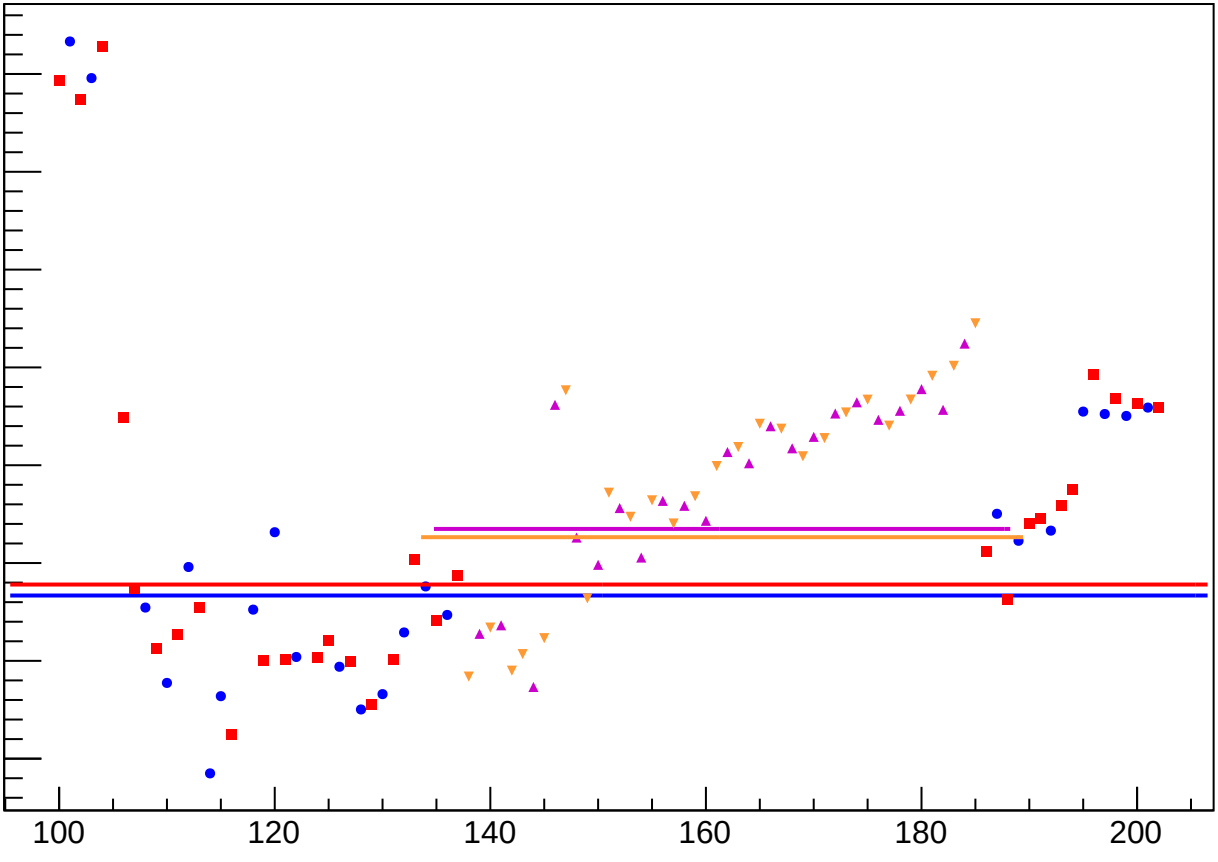
Right: 143.220+/-0.000 χ^2/NDF: 11407370229.8/51

In: 146.008+/-0.000 χ^2/NDF:4480487395.7/45

Out: 145.253+/-0.000 χ^2/NDF:8971040313.1/53

All: 145.611+/-0.000 χ^2/NDF: 13501009671.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.367+/-0.000 χ^2/NDF: 2421648.6/22

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.378+/-0.000 χ^2/NDF: 2487997.2/28

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

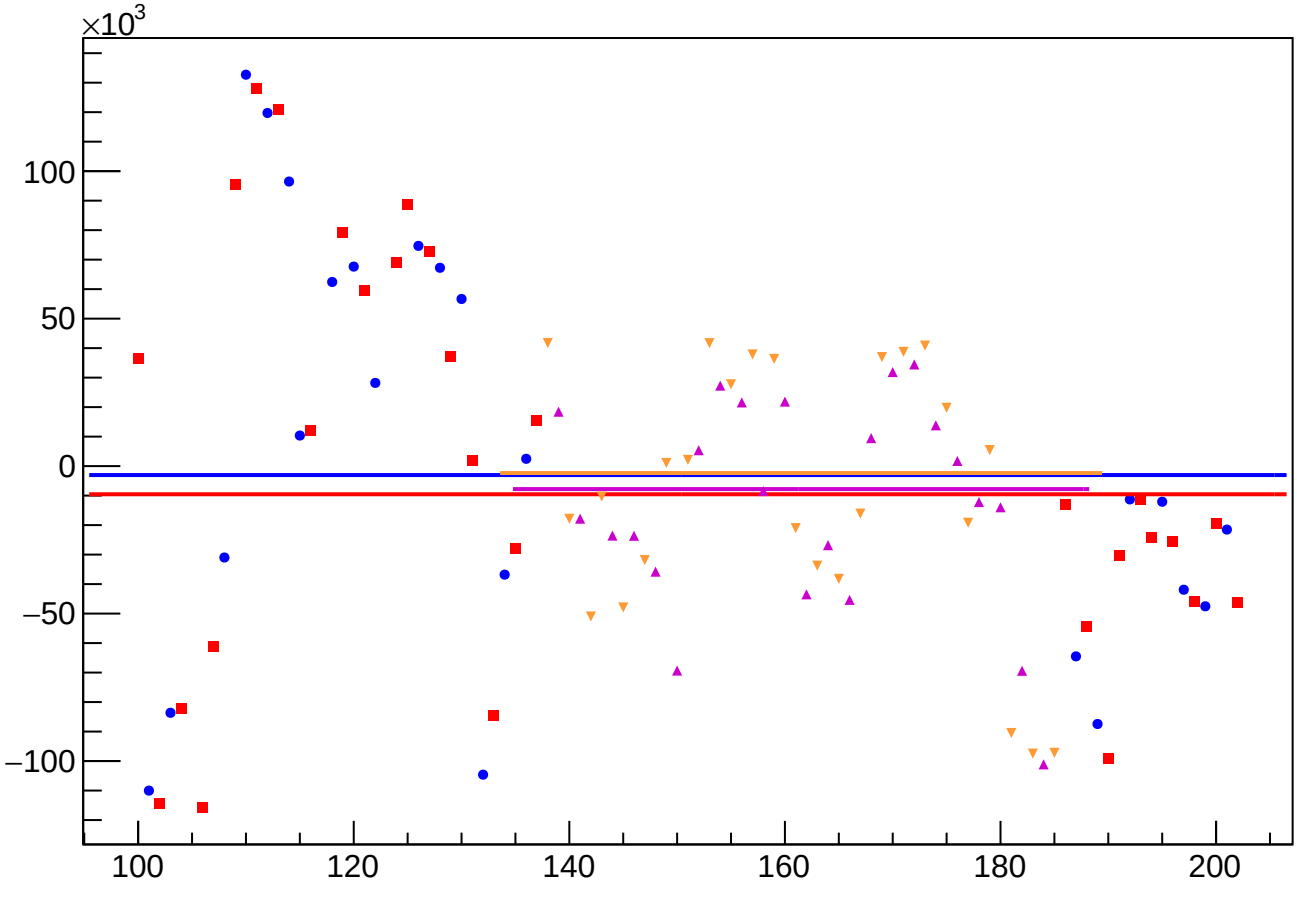
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.373+/-0.000 χ^2/NDF: 4919818.5/51

In: 0.404+/-0.000 χ^2/NDF:4576867.6/45

Out: 0.404+/-0.000 χ^2/NDF:4961293.7/53

All: 0.404+/-0.000 χ^2/NDF: 9538162.2/99



Right In: -3033.179+/-1.553 χ^2/NDF: 1760773027.4/22

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -9548.910+/-1.394 χ^2/NDF: 2268569096.6/28

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

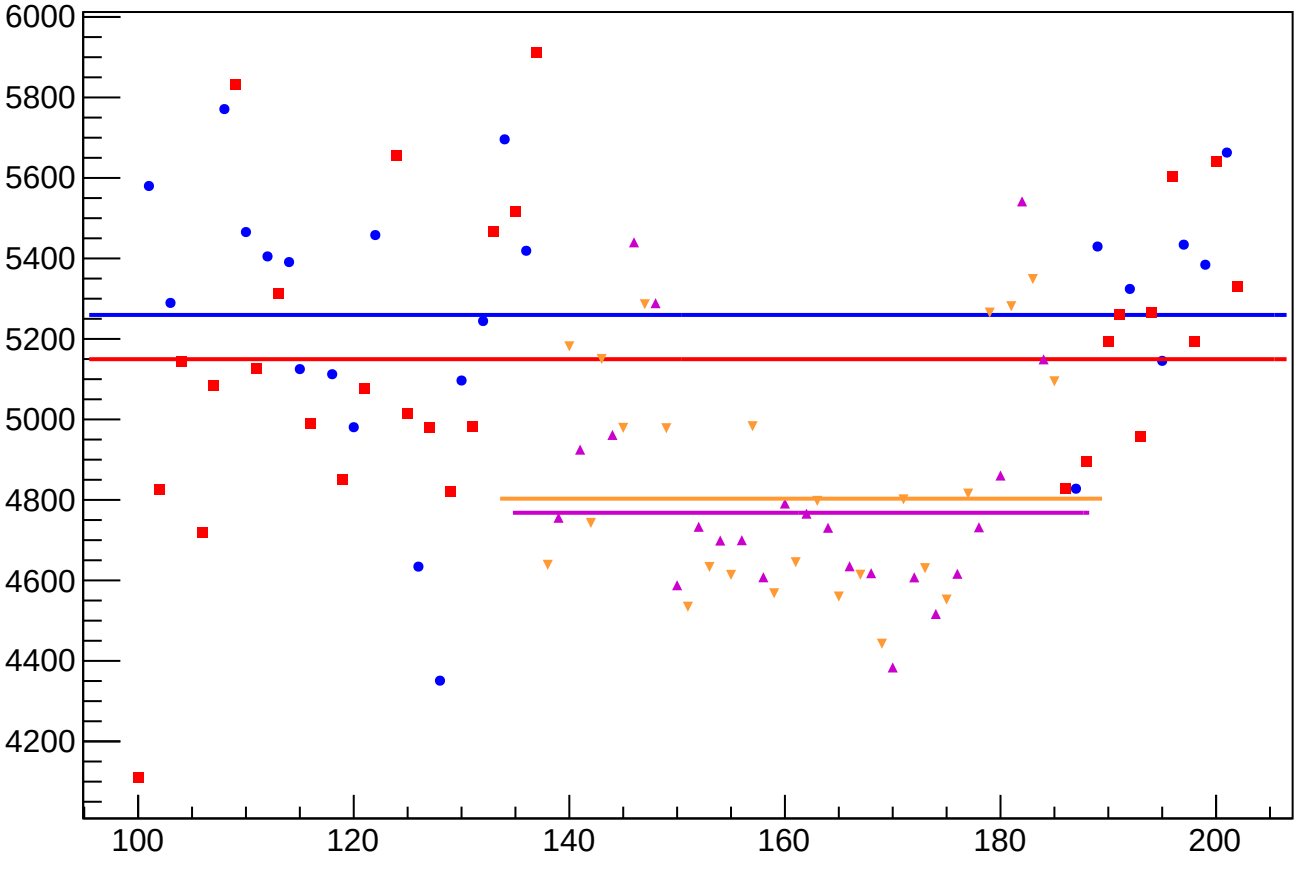
Right: -6640.421+/-1.037 χ^2/NDF: 4039093693.4/5

In: -6113.595+/-0.921 χ^2/NDF:2529346270.7/45

Out: -5180.802+/-0.875 χ^2/NDF:3514790947.6/53

All: -5623.014+/-0.634 χ^2/NDF: 6044676404

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5259.628+/-1.098 χ^2/NDF: 94238.2/22

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5149.686+/-0.986 χ^2/NDF: 97076.5/28

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

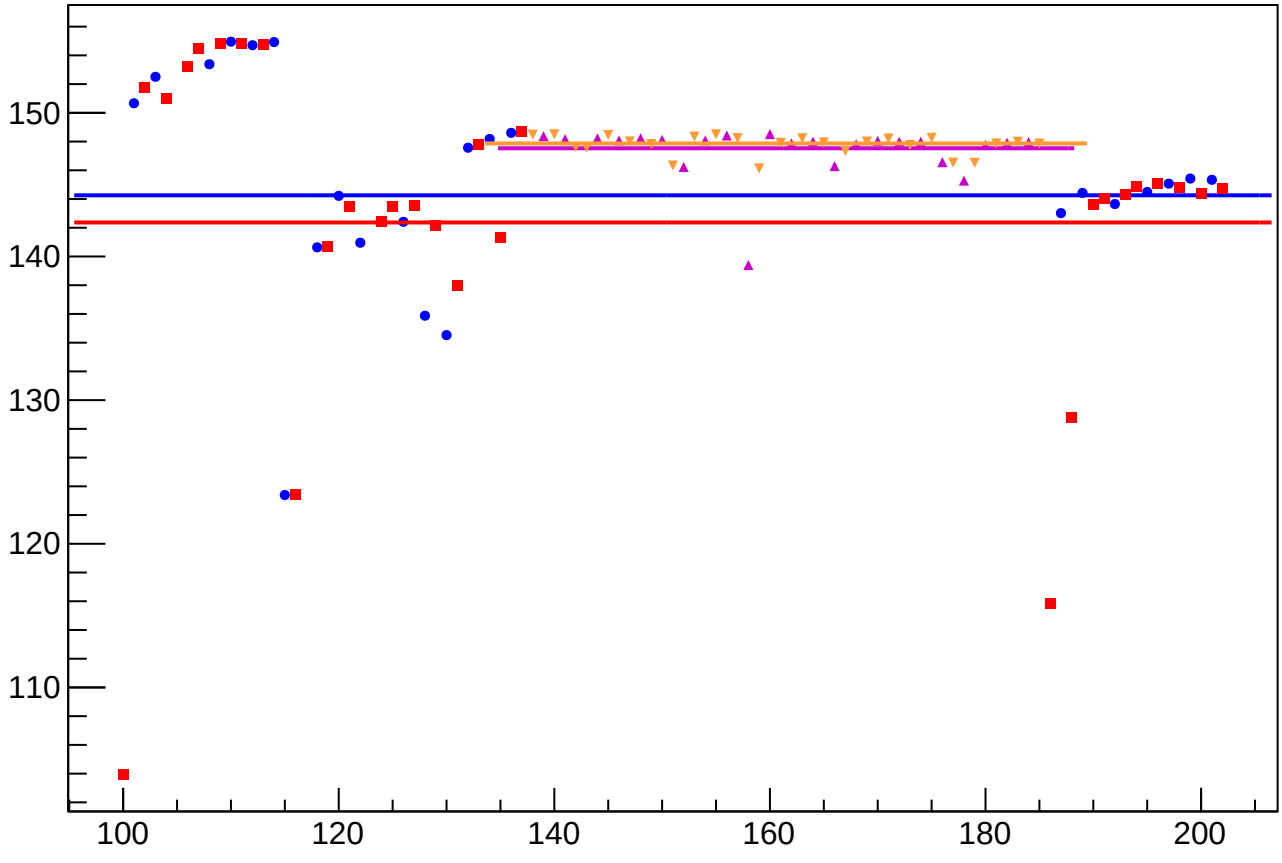
Right: 5198.762+/-0.733 χ^2/NDF: 196867.4/51

In: 4941.149+/-0.651 χ^2/NDF:326501.0/45

Out: 4939.559+/-0.618 χ^2/NDF:286699.3/53

All: 4940.313+/-0.449 χ^2/NDF: 613203.5/99

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.259+/-0.000 χ^2/NDF: 3777087567.8/22

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.368+/-0.000 χ^2/NDF: 7495994349.1/28

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

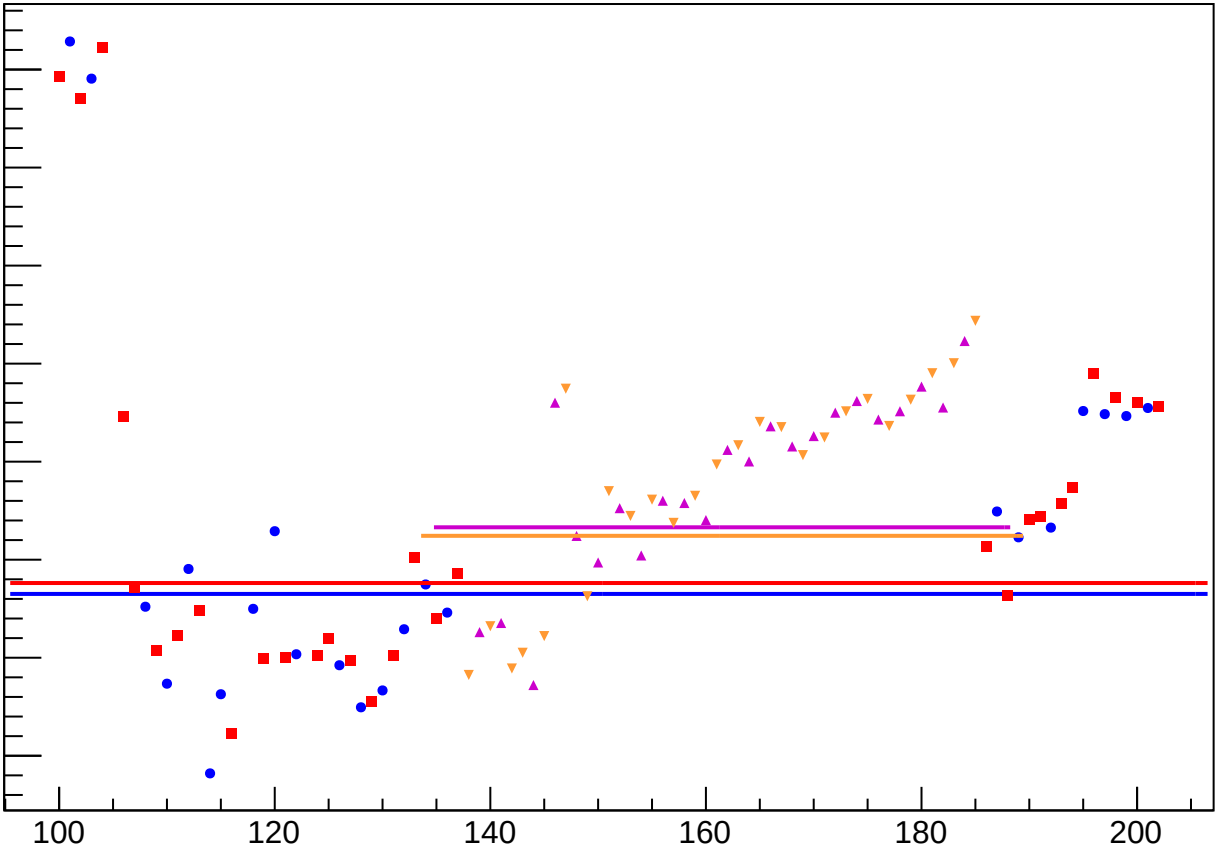
Right: 143.253+/-0.000 χ^2/NDF: 11419066304.4/51

In: 146.025+/-0.000 χ^2/NDF:4527616398.1/45

Out: 145.280+/-0.000 χ^2/NDF:8936649798.0/53

All: 145.633+/-0.000 χ^2/NDF: 13513056956.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.365+/-0.000 χ^2/NDF: 2419840.1/22

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.376+/-0.000 χ^2/NDF: 2494165.7/28

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

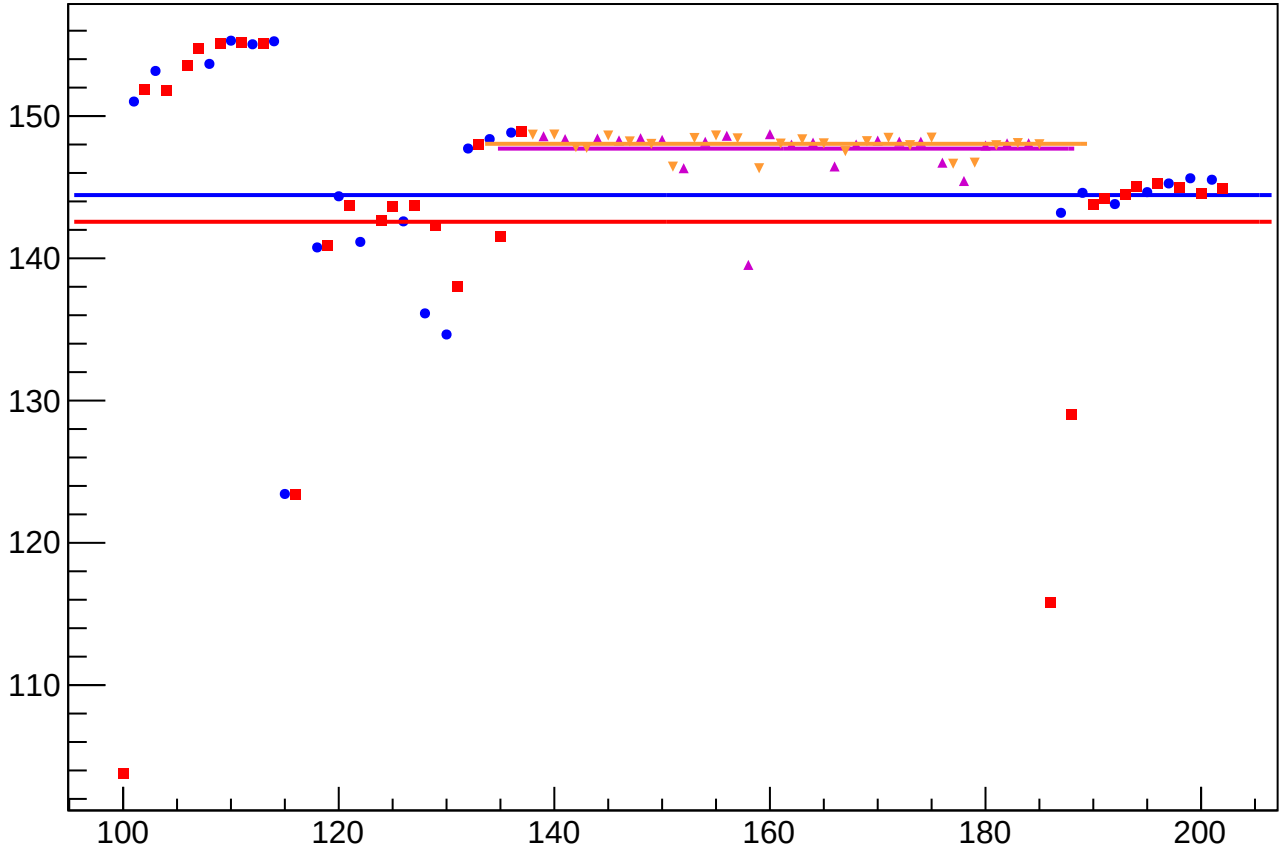
Right: 0.371+/-0.000 χ^2/NDF: 4924112.7/51

In: 0.402+/-0.000 χ^2/NDF:4573578.0/45

Out: 0.402+/-0.000 χ^2/NDF:4968775.6/53

All: 0.402+/-0.000 χ^2/NDF: 9542354.5/99

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.446+/-0.000 χ^2/NDF: 3770955514.2/22

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.569+/-0.000 χ^2/NDF: 7431040330.3/28

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

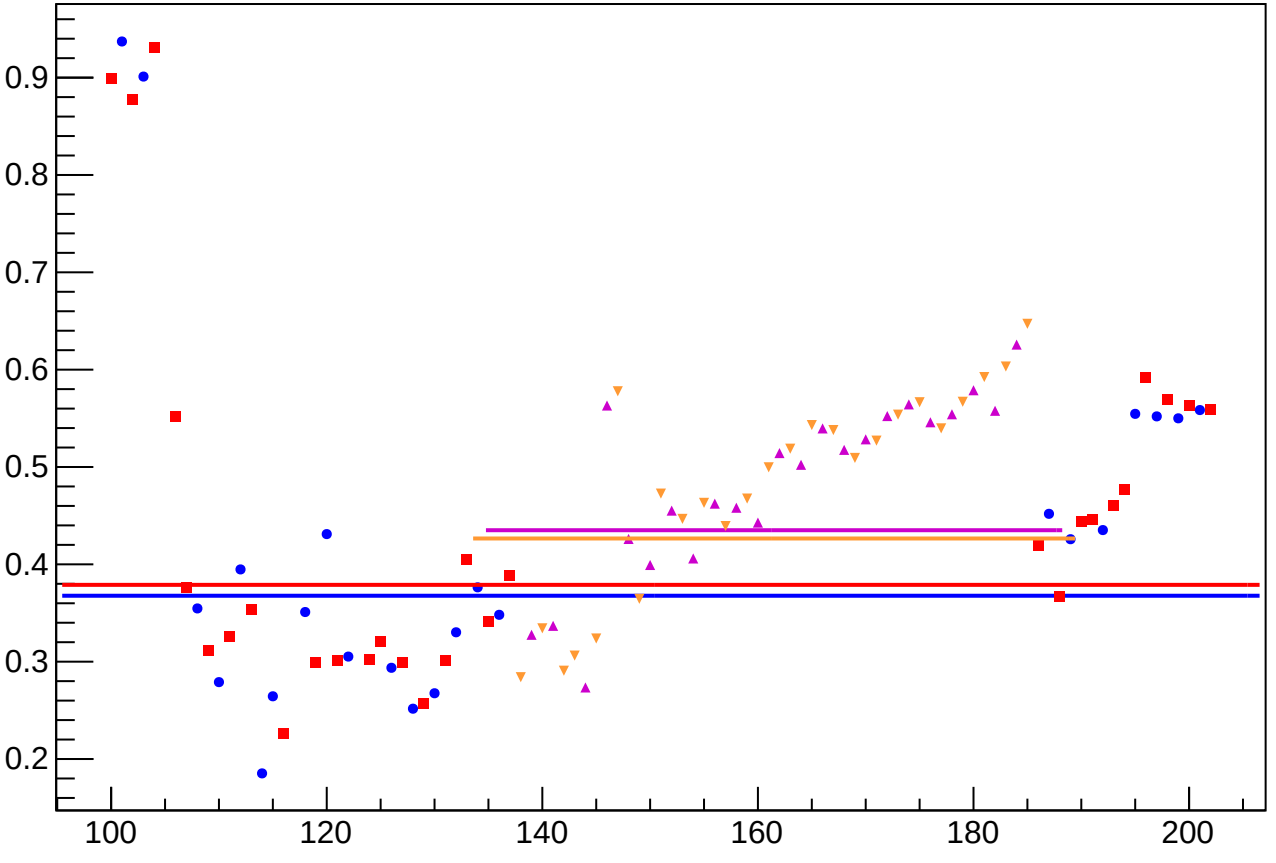
Right: 143.448+/-0.000 χ^2/NDF: 11343742973.1/51

In: 146.212+/-0.000 χ^2/NDF:4518891678.6/45

Out: 145.474+/-0.000 χ^2/NDF:8844395746.6/53

All: 145.824+/-0.000 χ^2/NDF: 13410377634.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.368+/-0.000 χ^2/NDF: 2411123.6/22

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.379+/-0.000 χ^2/NDF: 2489816.5/28

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

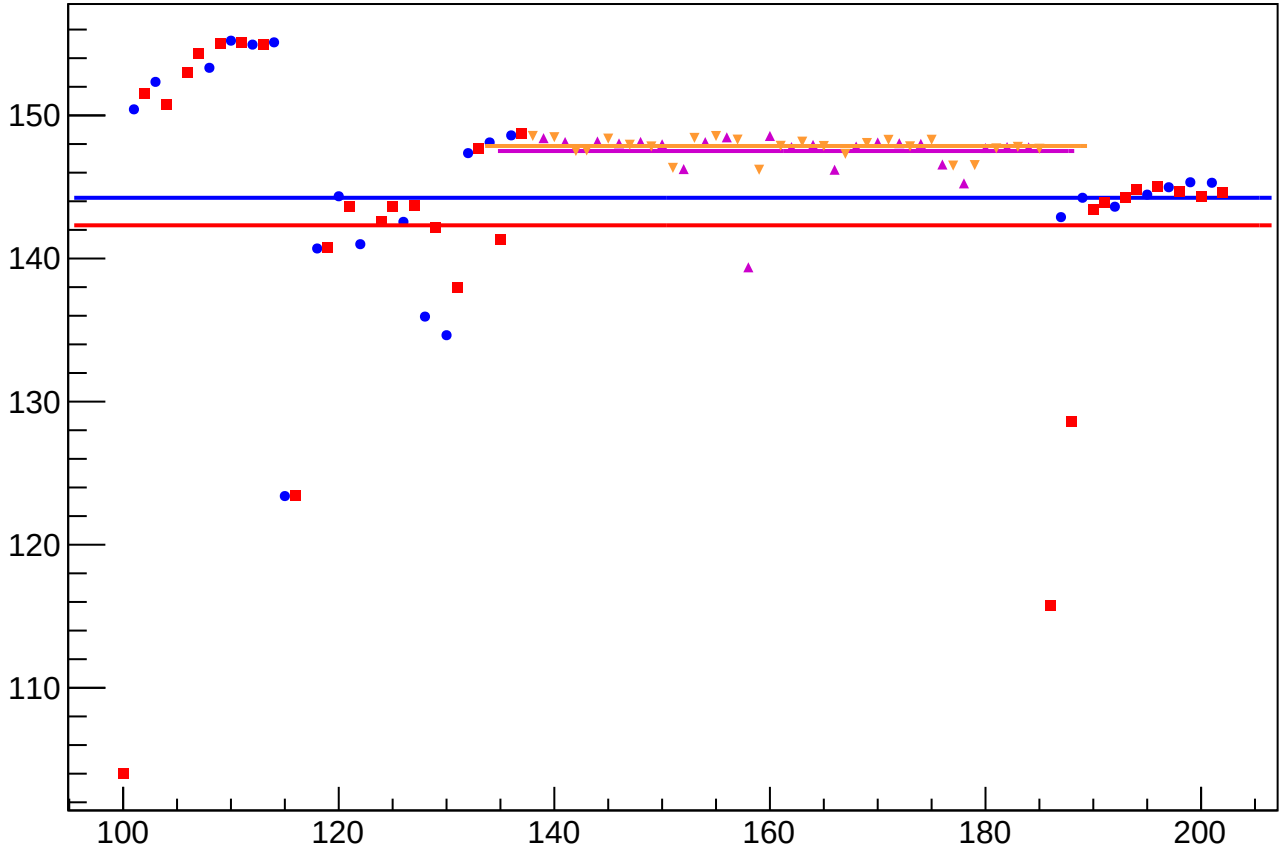
Right: 0.374+/-0.000 χ^2/NDF: 4910996.4/51

In: 0.404+/-0.000 χ^2/NDF:4551693.0/45

Out: 0.404+/-0.000 χ^2/NDF:4954085.4/53

All: 0.404+/-0.000 χ^2/NDF: 9505778.5/99

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.244+/-0.000 χ^2/NDF: 3736007829.6/22

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.320+/-0.000 χ^2/NDF: 7521791211.7/28

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

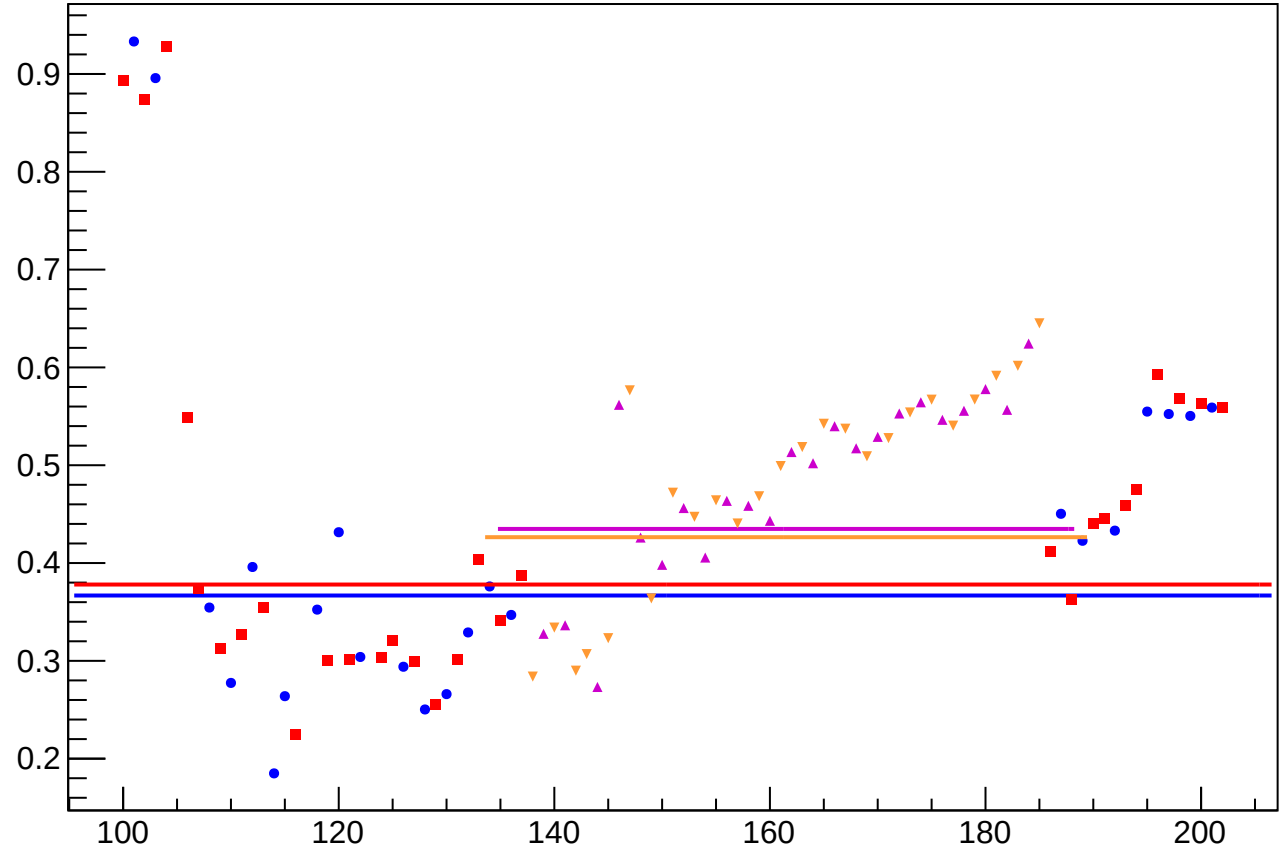
Right: 143.220+/-0.000 χ^2/NDF: 11407370229.8/51

In: 146.008+/-0.000 χ^2/NDF:4480487395.7/45

Out: 145.253+/-0.000 χ^2/NDF:8971040313.1/53

All: 145.611+/-0.000 χ^2/NDF: 13501009671.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.367+/-0.000 χ^2/NDF: 2421648.6/22

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.378+/-0.000 χ^2/NDF: 2487997.2/28

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

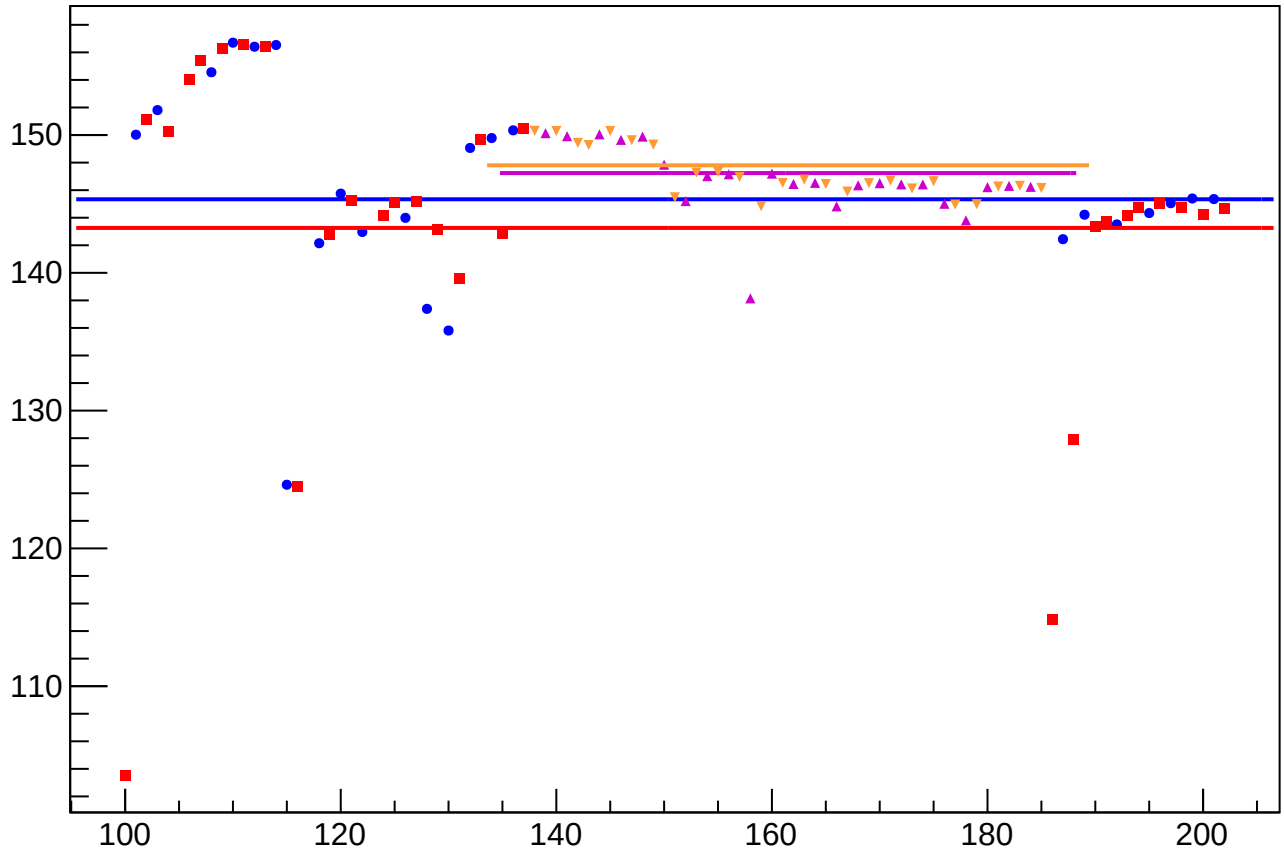
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.373+/-0.000 χ^2/NDF: 4919818.5/51

In: 0.404+/-0.000 χ^2/NDF:4576867.6/45

Out: 0.404+/-0.000 χ^2/NDF:4961293.7/53

All: 0.404+/-0.000 χ^2/NDF: 9538162.2/99



Right In: 145.339+/-0.000 χ^2/NDF: 3514985965.5/22

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.259+/-0.000 χ^2/NDF: 7605383391.3/28

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

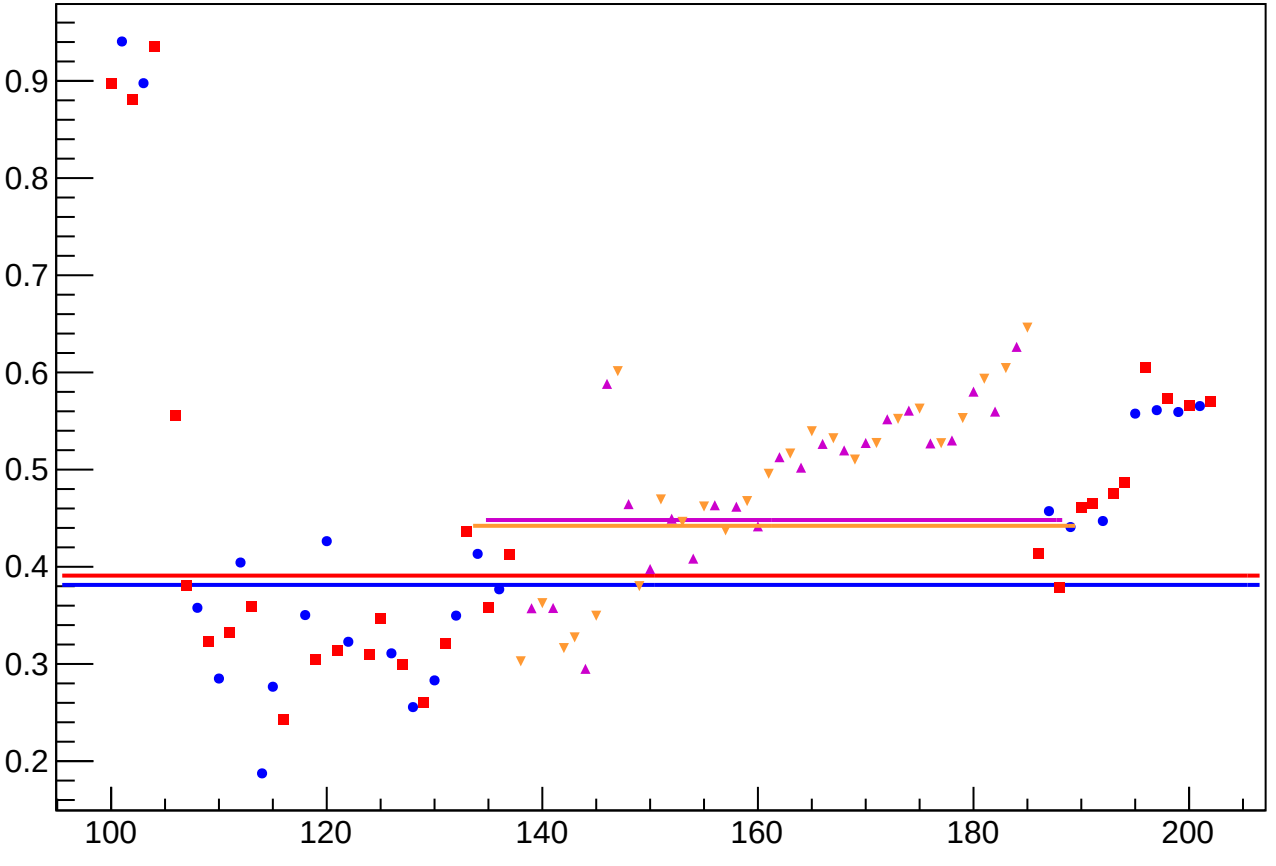
Right: 144.227+/-0.000 χ^2/NDF: 11283310218.6/51

In: 146.378+/-0.000 χ^2/NDF:4273154977.6/45

Out: 145.671+/-0.000 χ^2/NDF:8819193596.7/53

All: 146.007+/-0.000 χ^2/NDF: 13133273736.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.381+/-0.000 χ^2/NDF: 2302009.1/22

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.391+/-0.000 χ^2/NDF: 2382250.7/28

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

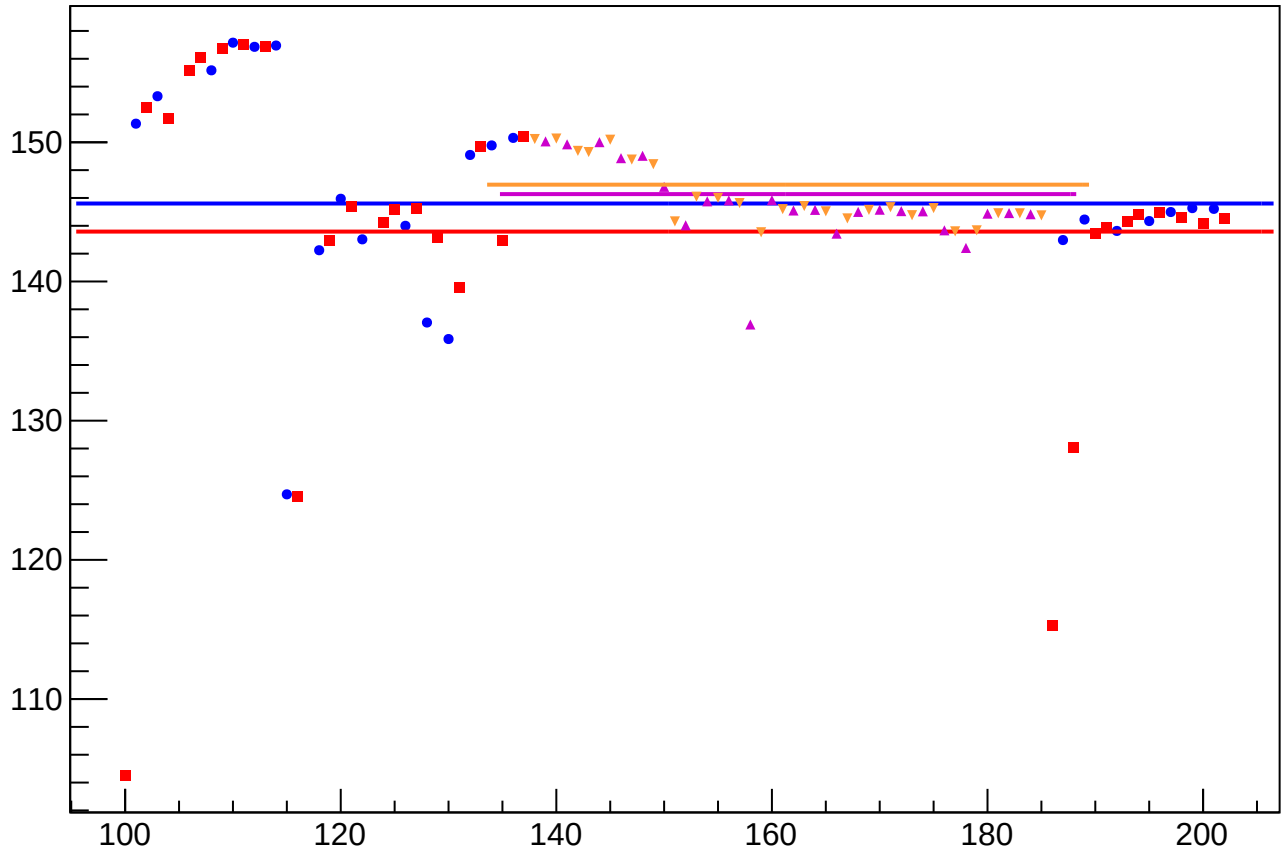
Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

Right: 0.386+/-0.000 χ^2/NDF: 4691162.5/51

In: 0.418+/-0.000 χ^2/NDF:3993680.6/45

Out: 0.418+/-0.000 χ^2/NDF:4311878.8/53

All: 0.418+/-0.000 χ^2/NDF: 8305570.3/99



Right In: 145.602+/-0.000 χ^2/NDF: 3660970805.8/22

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.585+/-0.000 χ^2/NDF: 7670456241.6/28

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

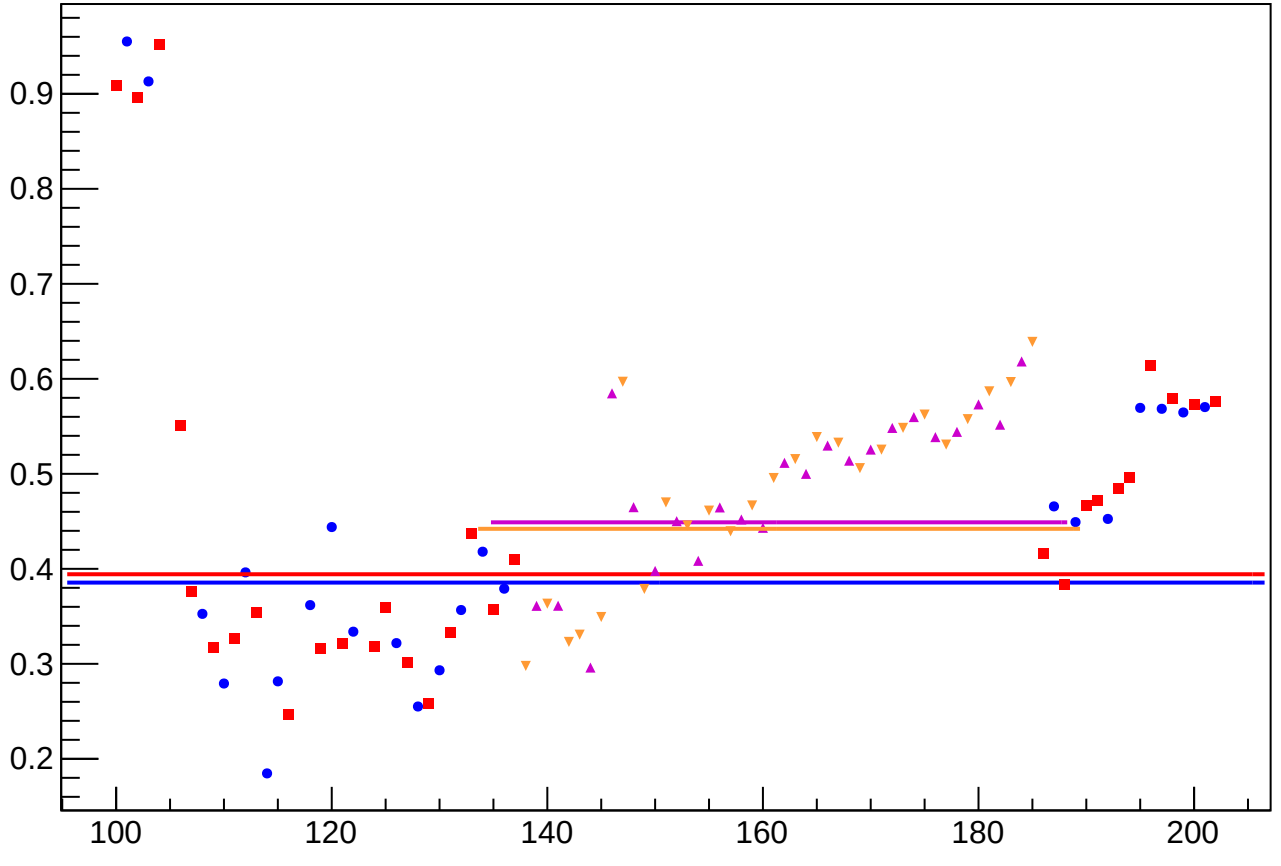
Right: 144.522+/-0.000 χ^2/NDF: 11481209490.6/51

In: 145.975+/-0.000 χ^2/NDF:4503490952.0/45

Out: 145.391+/-0.000 χ^2/NDF:8695733596.8/53

All: 145.667+/-0.000 χ^2/NDF: 13226818337.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF: 2335180.7/22

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.394+/-0.000 χ^2/NDF: 2404413.2/28

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

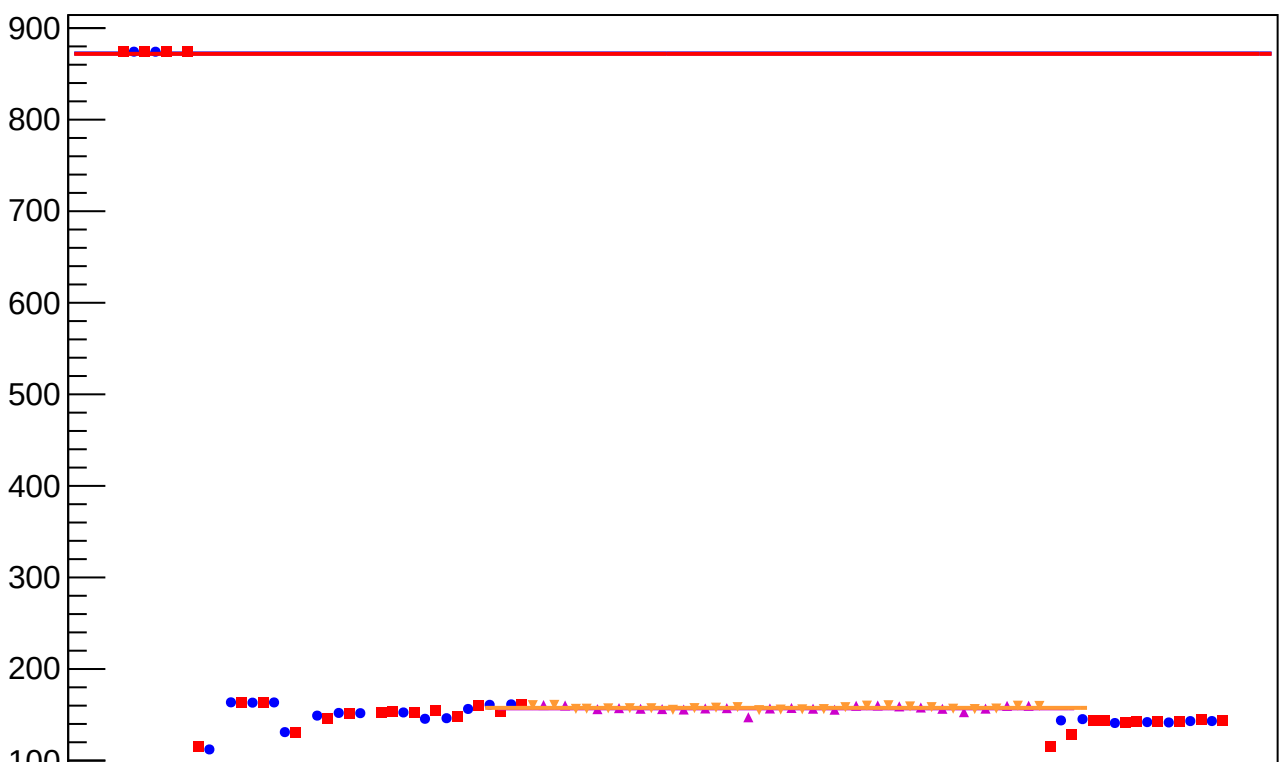
Right: 0.390+/-0.000 χ^2/NDF: 4745271.1/51

In: 0.421+/-0.000 χ^2/NDF:3941434.7/45

Out: 0.420+/-0.000 χ^2/NDF:4275265.9/53

All: 0.420+/-0.000 χ^2/NDF: 8216763.9/99

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.289+/-0.000 χ^2/NDF: 9961452099862.3/22

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.883+/-0.000 χ^2/NDF: 13957590324020.4/28

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

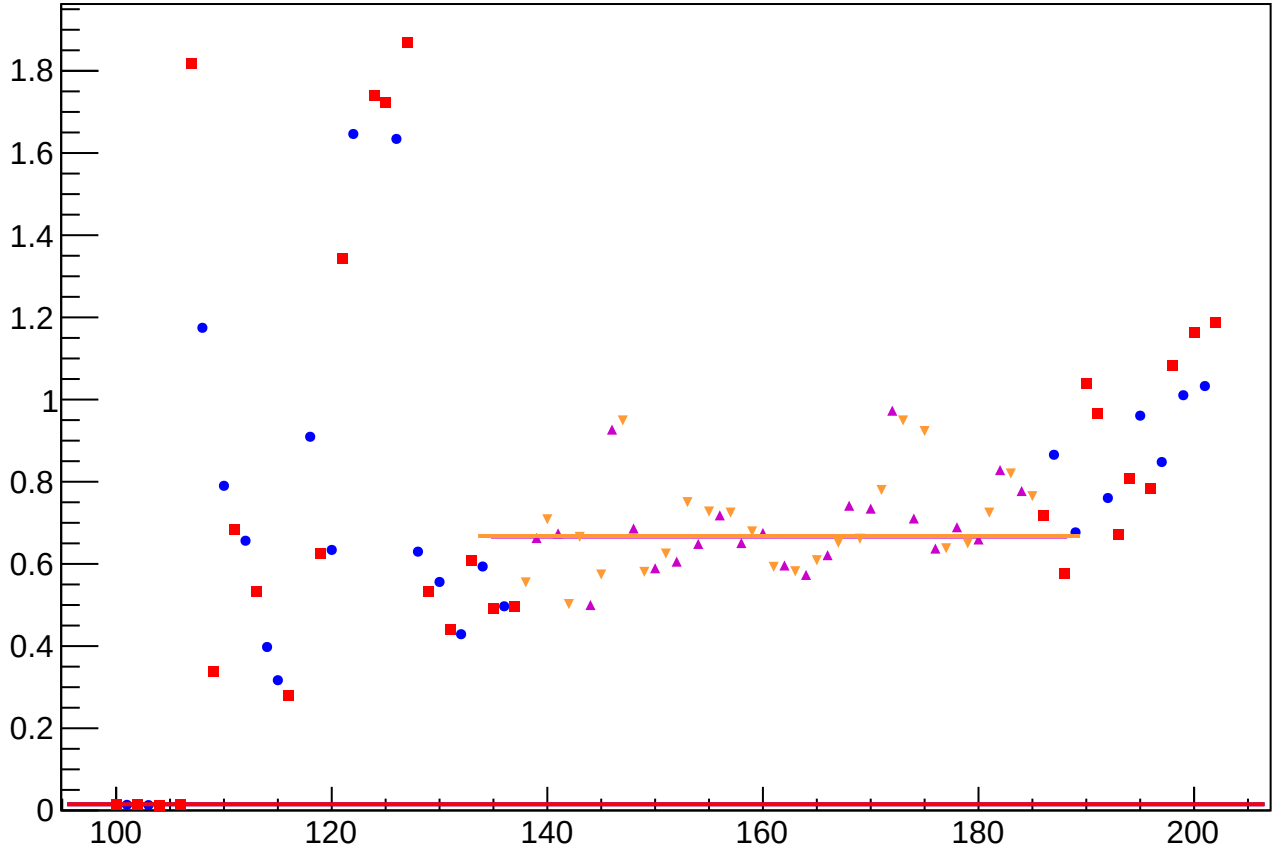
Right: 872.072+/-0.000 χ^2/NDF: 23919674184240.3

In: 869.053+/-0.000 χ^2/NDF:26467643027387.4/4

Out: 868.950+/-0.000 χ^2/NDF:31174275007316.1

All: 868.998+/-0.000 χ^2/NDF: 576419588416

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 17189692.5/22

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 20625124.4/28

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

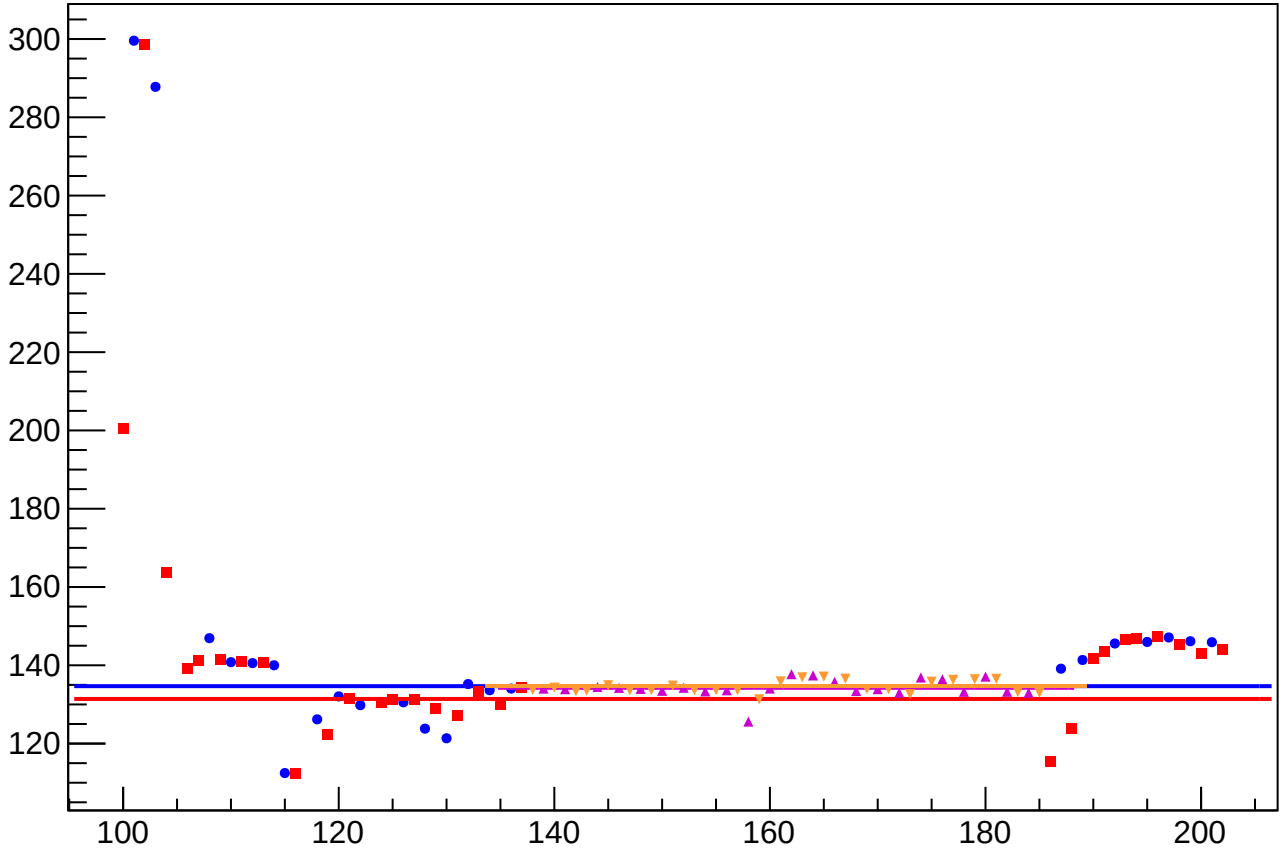
Right: 0.015+/-0.000 χ^2/NDF: 37814857.8/51

In: 0.018+/-0.000 χ^2/NDF:45110377.9/45

Out: 0.018+/-0.000 χ^2/NDF:50073859.3/53

All: 0.018+/-0.000 χ^2/NDF: 95184525.3/99

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 134.669+/-0.000 χ^2/NDF: 2988568343.0/22

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 131.404+/-0.000 χ^2/NDF: 4388579090.6/28

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

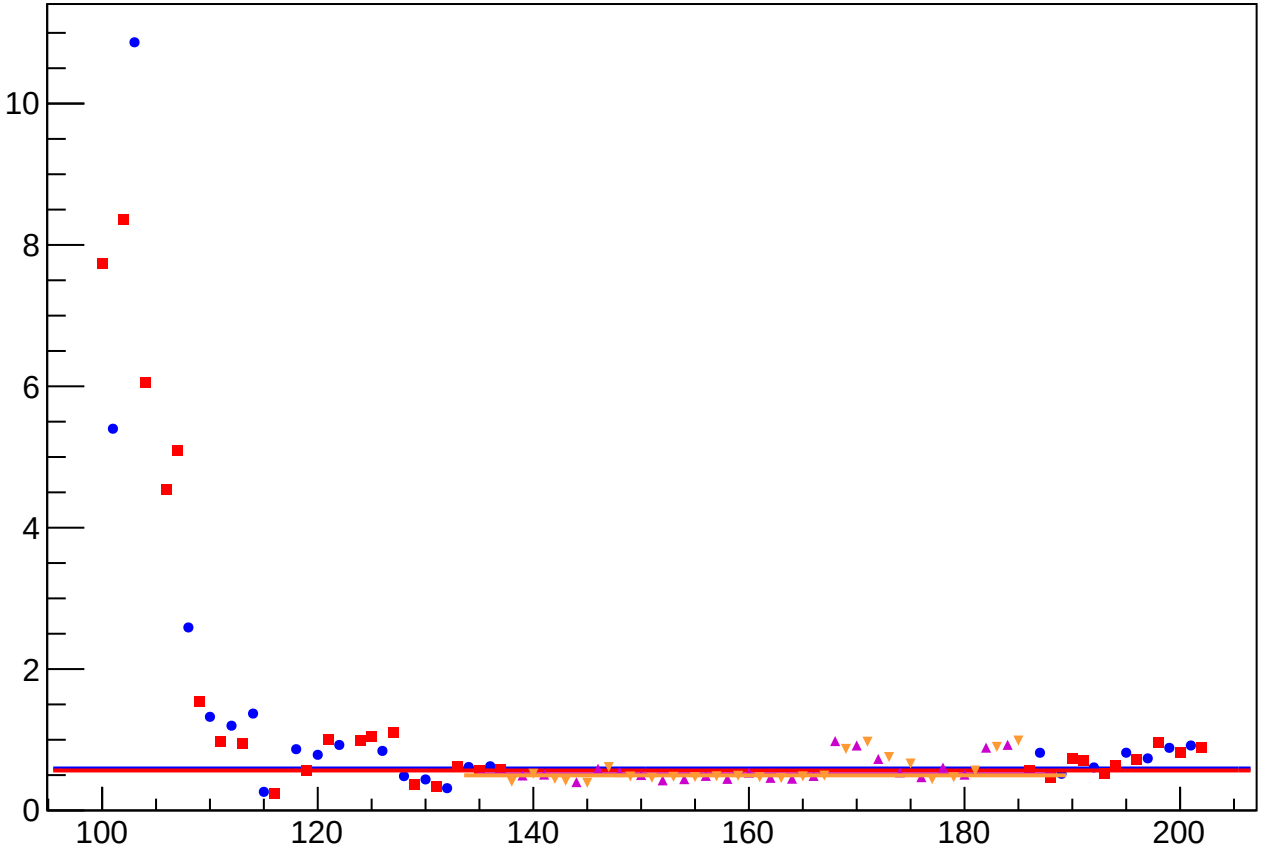
Right: 132.804+/-0.000 χ^2/NDF: 7505859309.5/51

In: 134.359+/-0.000 χ^2/NDF:3432847154.5/45

Out: 133.734+/-0.000 χ^2/NDF:4765505344.8/53

All: 134.022+/-0.000 χ^2/NDF: 8215490437.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.594+/-0.000 χ^2/NDF: 4805167.6/22

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.566+/-0.000 χ^2/NDF: 5806792.1/28

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.578+/-0.000 χ^2/NDF: 10630727.7/51

In: 0.531+/-0.000 χ^2/NDF:6511623.0/45

Out: 0.517+/-0.000 χ^2/NDF:7566828.0/53

All: 0.524+/-0.000 χ^2/NDF: 14095833.5/99

yield_cav4dQ_mean vs Slug, Sign Corrected

Right In: 1791.966+/-0.000 χ^2/NDF: 192153920521243.2/22

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1802.746+/-0.000 χ^2/NDF: 215483081759631.6/28

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

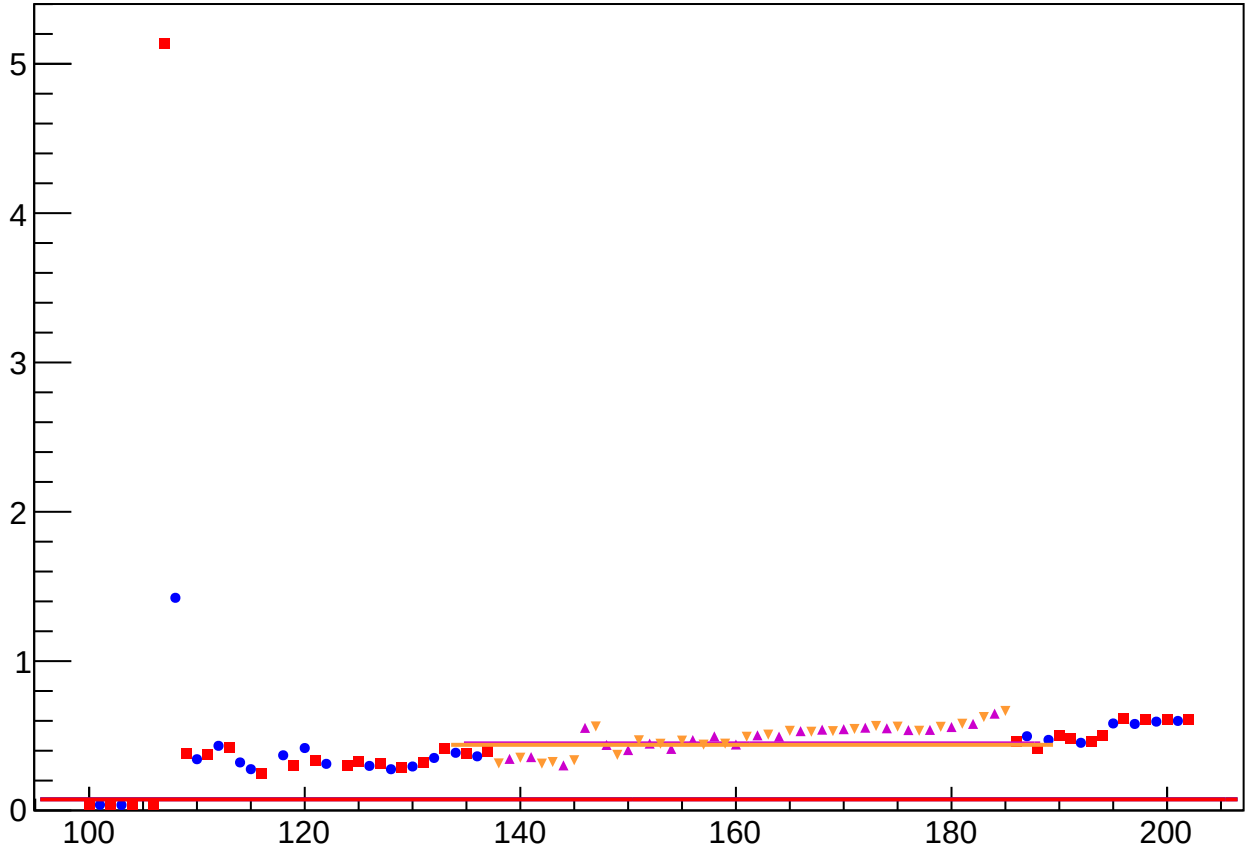
Right: 1797.796+/-0.000 χ^2/NDF: 4076738884207

In: 1582.893+/-0.000 χ^2/NDF:395175512294796.

Out: 1605.568+/-0.000 χ^2/NDF:442439070276031

All: 1595.105+/-0.000 χ^2/NDF: 8378005887

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.075+/-0.000 χ^2/NDF: 15459733.6/22

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.074+/-0.000 χ^2/NDF: 18177203.4/28

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

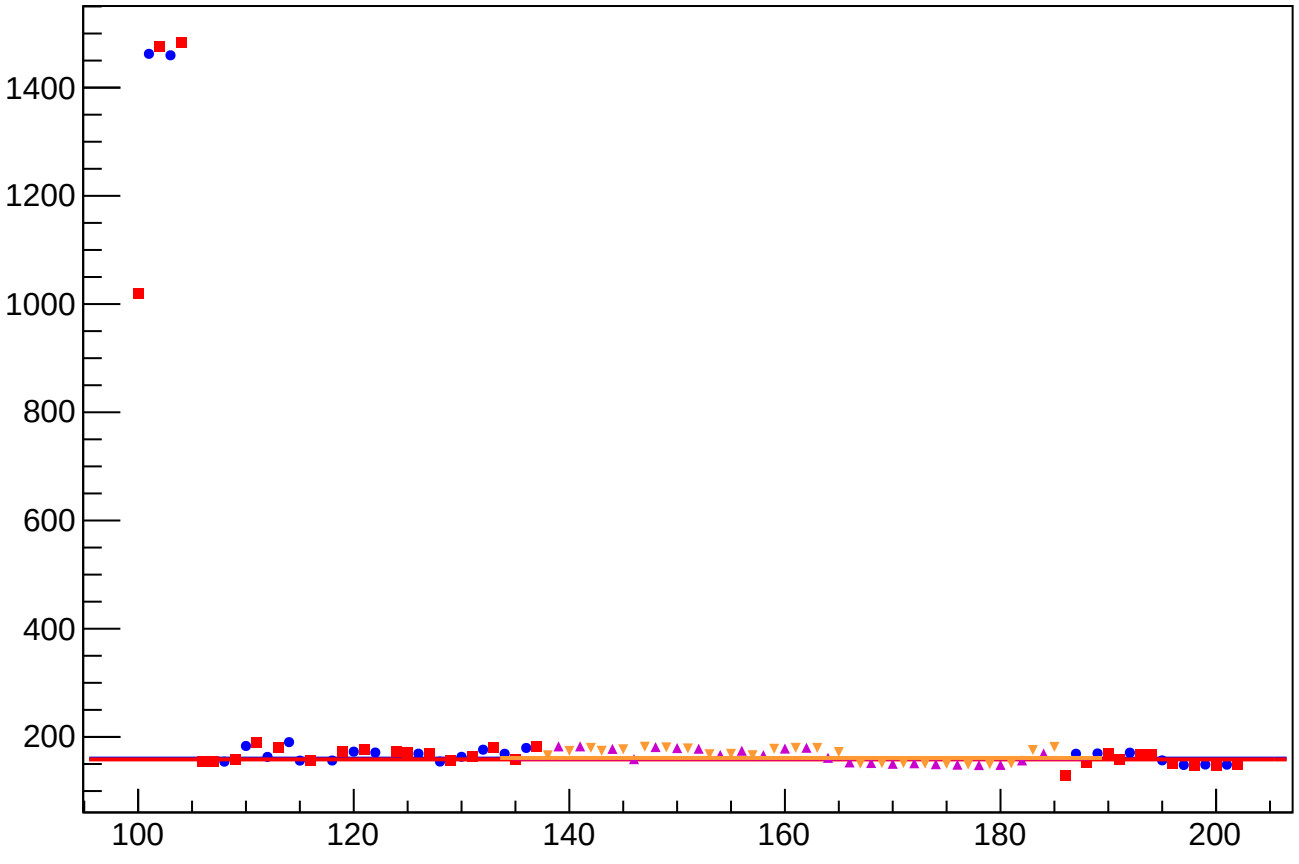
Right: 0.074+/-0.000 χ^2/NDF: 33637694.9/51

In: 0.122+/-0.000 χ^2/NDF:37567560.6/45

Out: 0.117+/-0.000 χ^2/NDF:41821412.4/53

All: 0.120+/-0.000 χ^2/NDF: 79407684.8/99

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 159.935+/-0.000 χ^2/NDF: 15734967083.8/22

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.478+/-0.000 χ^2/NDF: 18146327733.7/28

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

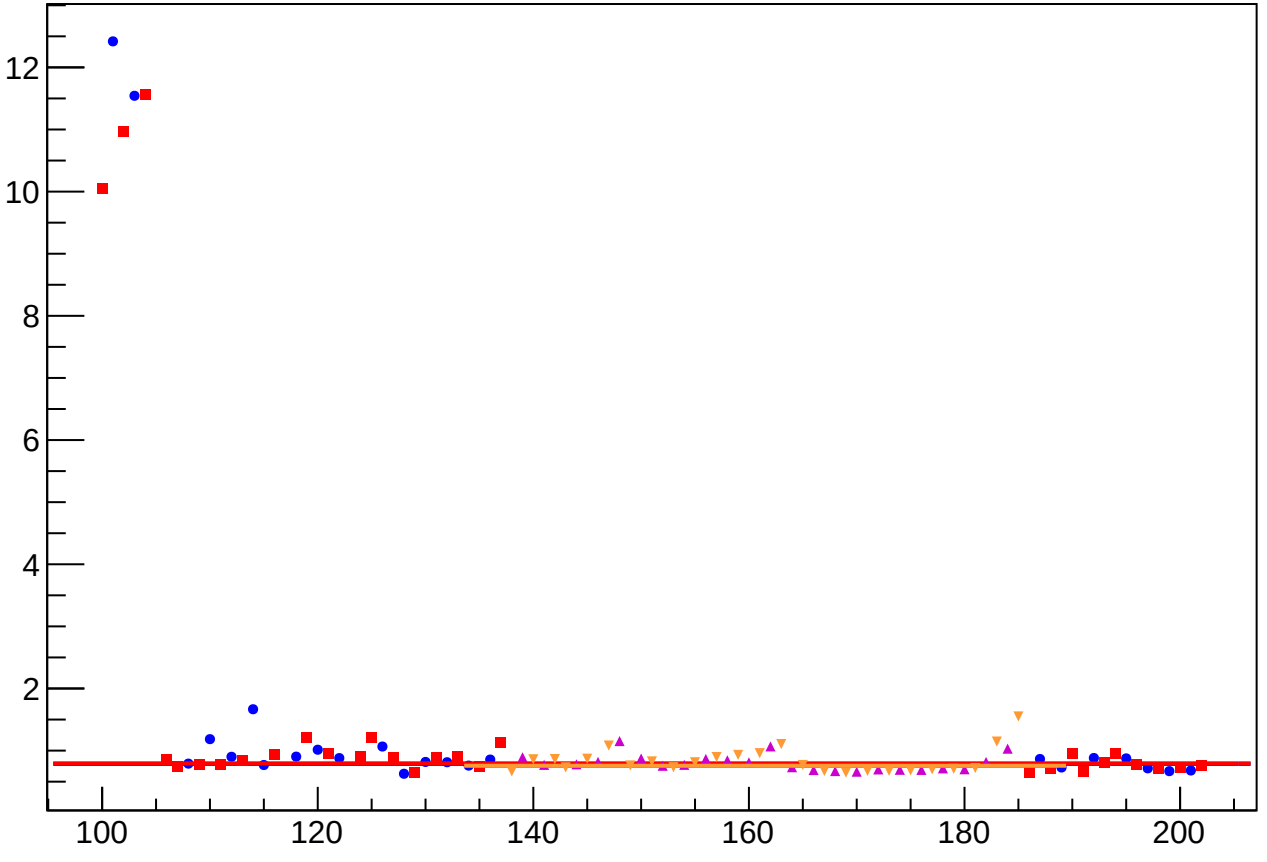
Right: 159.141+/-0.000 χ^2/NDF: 33896586840.6/51

In: 160.066+/-0.000 χ^2/NDF:19473706449.3/45

Out: 160.100+/-0.000 χ^2/NDF:21953936548.8/53

All: 160.084+/-0.000 χ^2/NDF: 41427664916.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.787+/-0.000 χ^2/NDF: 2495853.6/22

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.794+/-0.000 χ^2/NDF: 2427228.3/28

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

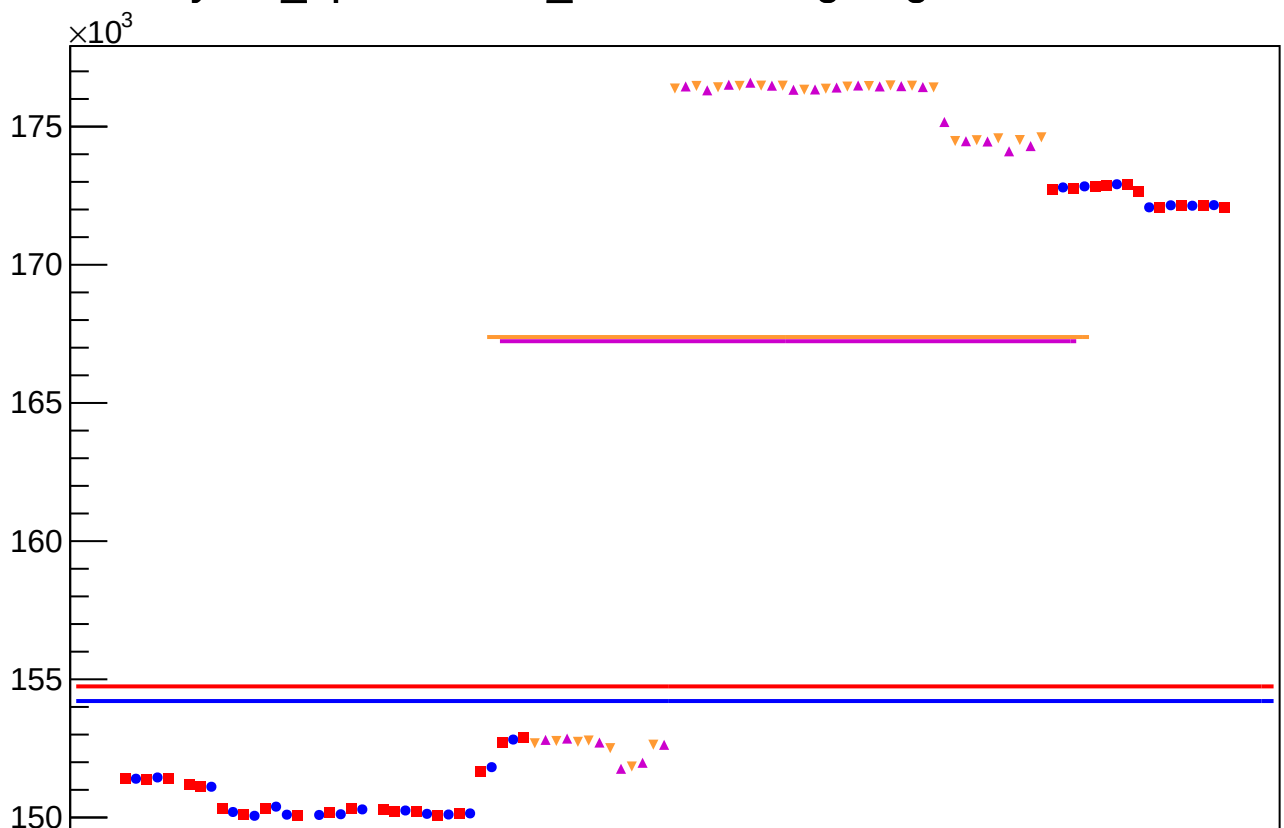
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.791+/-0.000 χ^2/NDF: 4923932.9/51

In: 0.767+/-0.000 χ^2/NDF:2985028.7/45

Out: 0.771+/-0.000 χ^2/NDF:3205131.2/53

All: 0.769+/-0.000 χ^2/NDF: 6190964.7/99



Right In: 154213.530+/-0.050 χ^2/NDF: 26907298214.1/22

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 154743.501+/-0.046 χ^2/NDF: 35454072626.1/28

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

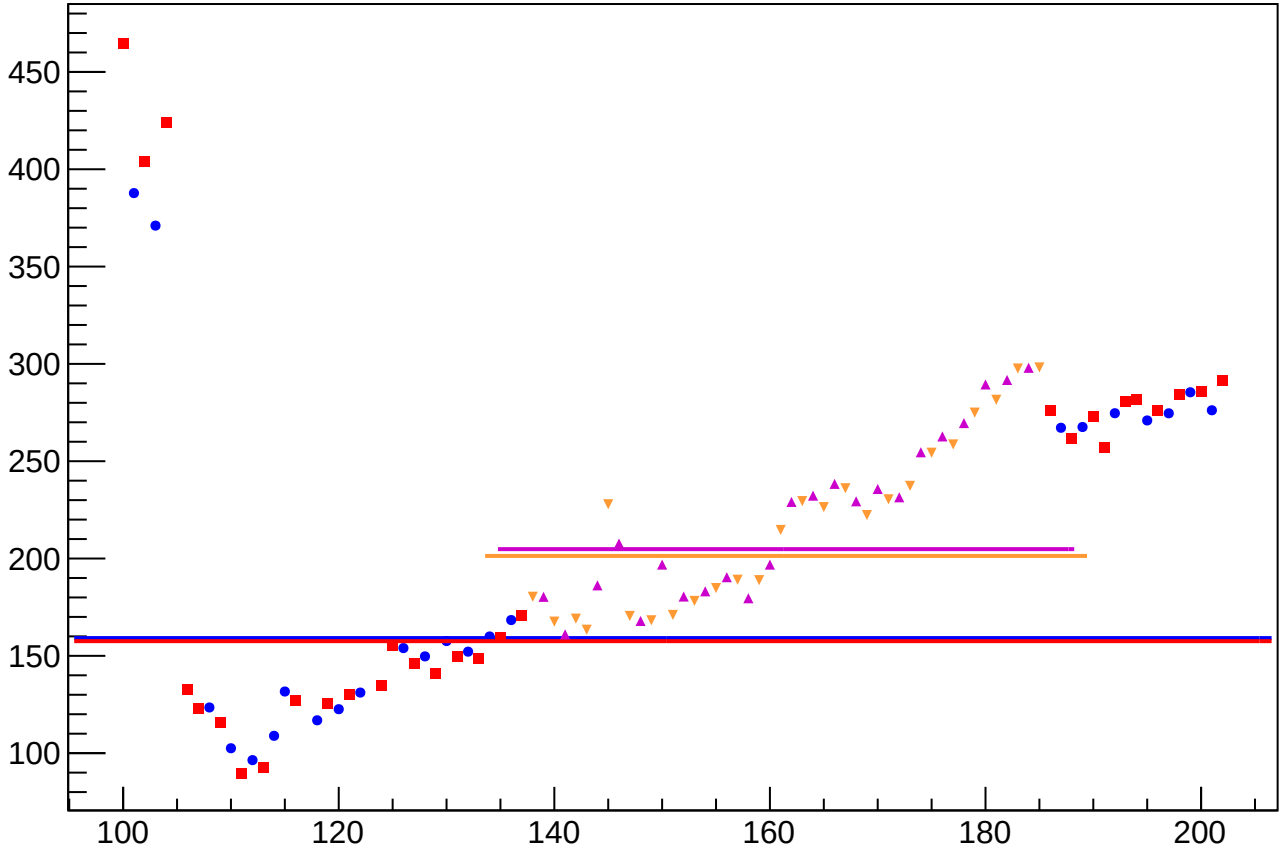
Right: 154500.528+/-0.034 χ^2/NDF: 62422602069.

In: 160851.783+/-0.035 χ^2/NDF:116802651096.5

Out: 160945.146+/-0.033 χ^2/NDF:132337549640.

All: 160901.447+/-0.024 χ^2/NDF: 24914400

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 159.124+/-0.035 χ^2/NDF: 3585779.2/22

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 157.544+/-0.032 χ^2/NDF: 4886041.6/28

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

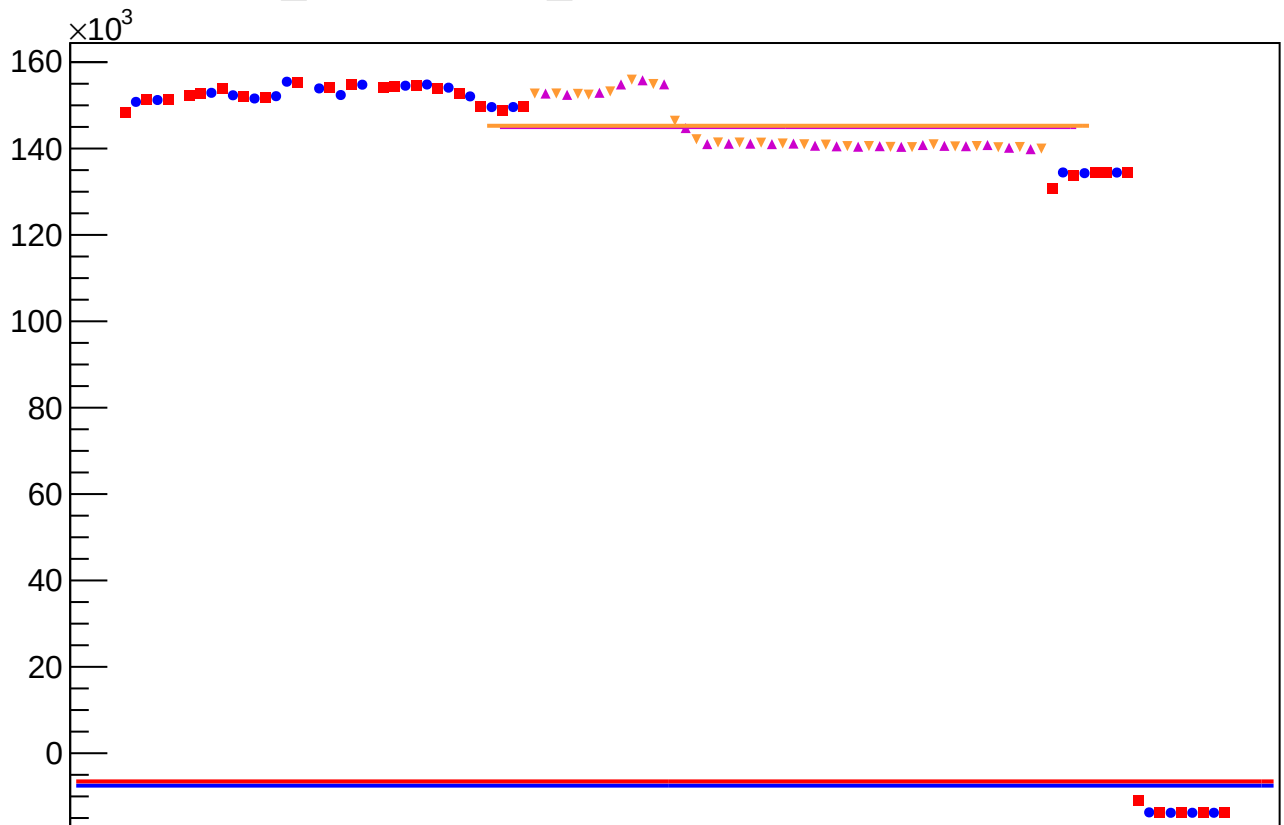
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 158.268+/-0.024 χ^2/NDF: 8472908.6/51

In: 182.424+/-0.025 χ^2/NDF:5496270.4/45

Out: 179.023+/-0.023 χ^2/NDF:7011072.3/53

All: 180.615+/-0.017 χ^2/NDF: 12517447.5/99



Right In: -7497.648+/-0.013 χ^2/NDF: 5754590637550.3/22

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -6521.519+/-0.012 χ^2/NDF: 6992198416884.8/28

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

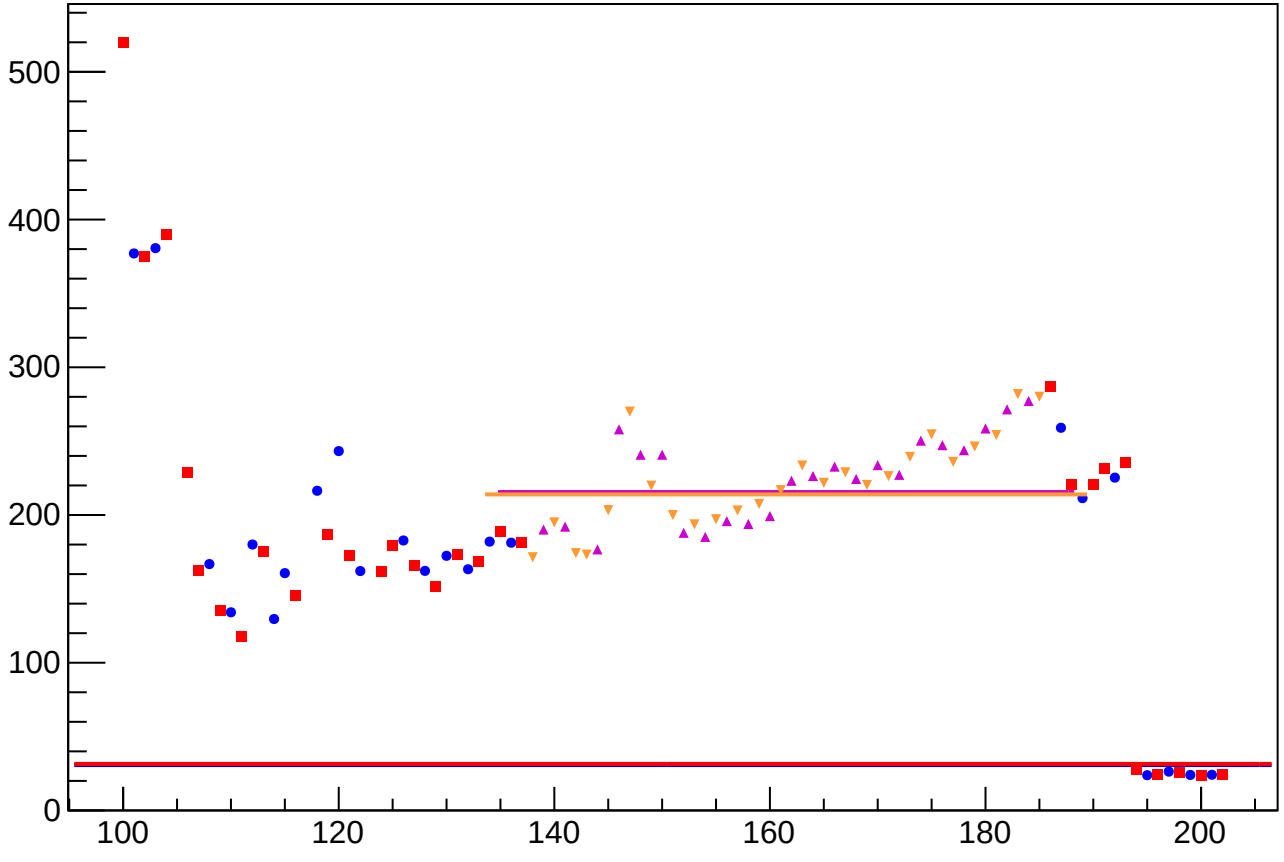
Right: -6985.860+/-0.009 χ^2/NDF: 1274970168511

In: 1863.880+/-0.013 χ^2/NDF:14089266765493.0

Out: 2582.023+/-0.012 χ^2/NDF:15885621128644.

All: 2240.133+/-0.009 χ^2/NDF: 2997656631

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 30.737+/-0.009 χ^2/NDF: 12407289.4/22

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 31.504+/-0.009 χ^2/NDF: 14104825.3/28

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

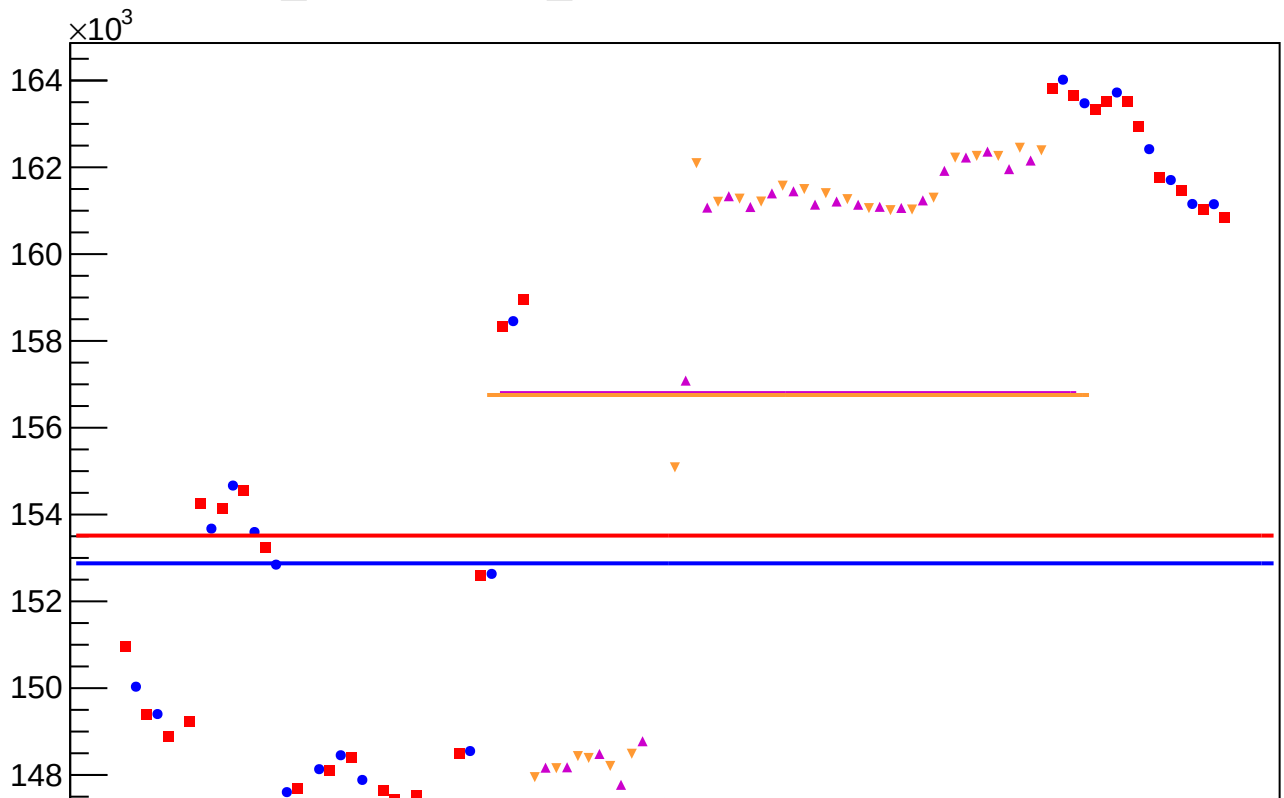
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 31.139+/-0.006 χ^2/NDF: 26515714.2/51

In: 42.084+/-0.009 χ^2/NDF:37459524.2/45

Out: 42.447+/-0.009 χ^2/NDF:40412477.1/53

All: 42.274+/-0.006 χ^2/NDF: 77872855.6/99



Right In: 152875.656+/-0.057 χ^2/NDF: 9616646340.1/22

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153515.305+/-0.053 χ^2/NDF: 11282540063.7/28

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

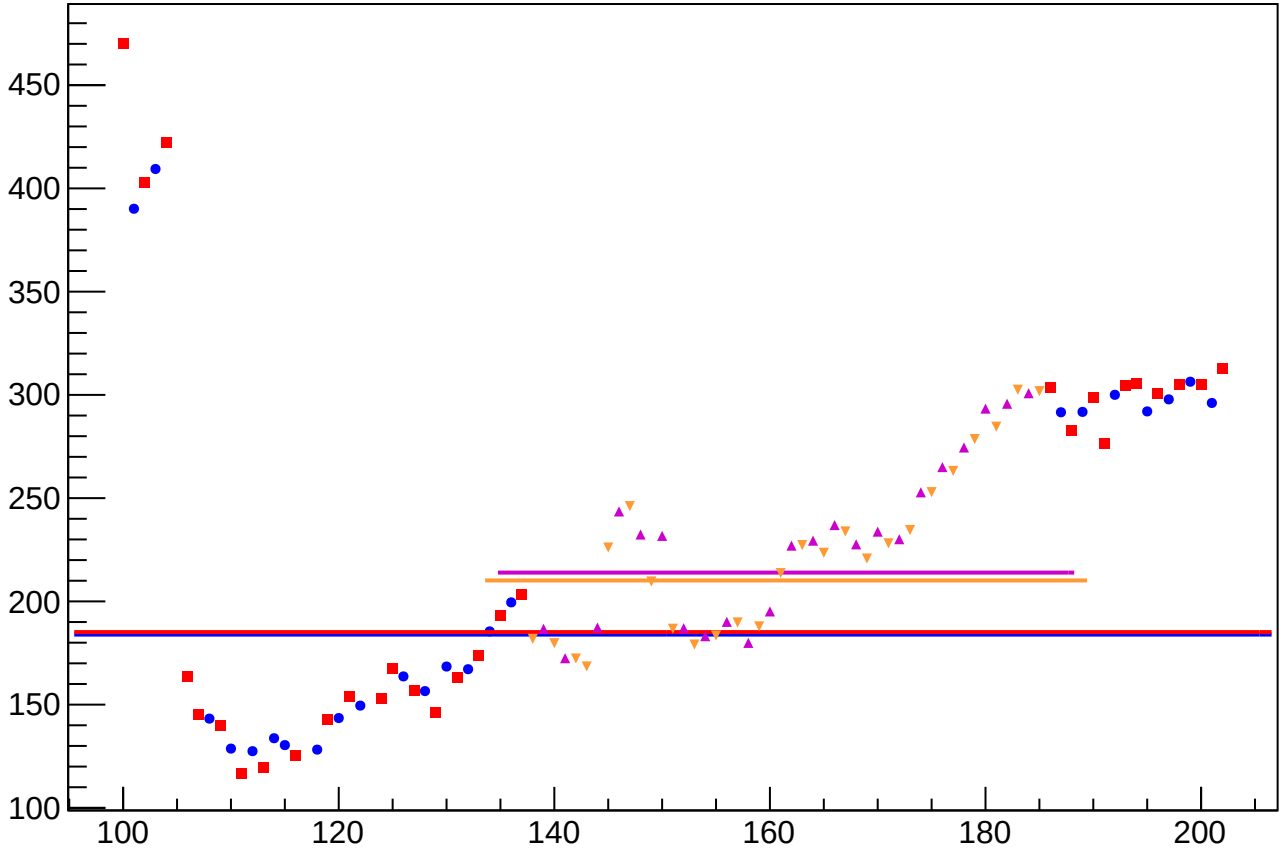
Right: 153217.013+/-0.039 χ^2/NDF: 20966912375.

In: 155048.434+/-0.038 χ^2/NDF:26604170691.2/4

Out: 155275.843+/-0.036 χ^2/NDF:29687383329.9

All: 155168.489+/-0.026 χ^2/NDF: 56310538

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 183.925+/-0.040 χ^2/NDF: 3014809.8/22

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 185.142+/-0.038 χ^2/NDF: 3923461.9/28

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

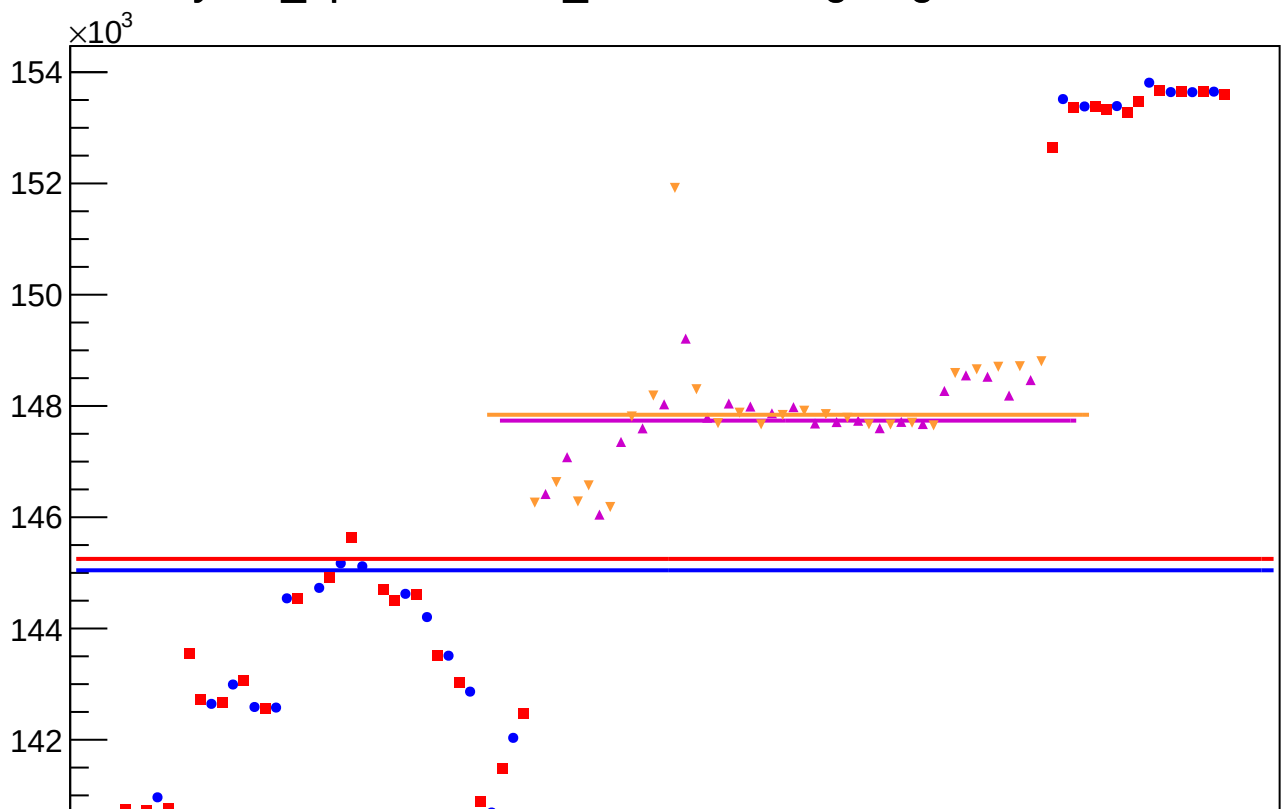
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 184.575+/-0.027 χ^2/NDF: 6938762.5/51

In: 200.555+/-0.027 χ^2/NDF:4238969.2/45

Out: 198.731+/-0.025 χ^2/NDF:5162428.7/53

All: 199.592+/-0.018 χ^2/NDF: 9403839.2/99



Right In: 145046.273+/-0.048 χ^2/NDF: 6844708248.8/22

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145251.143+/-0.045 χ^2/NDF: 8708697845.2/28

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

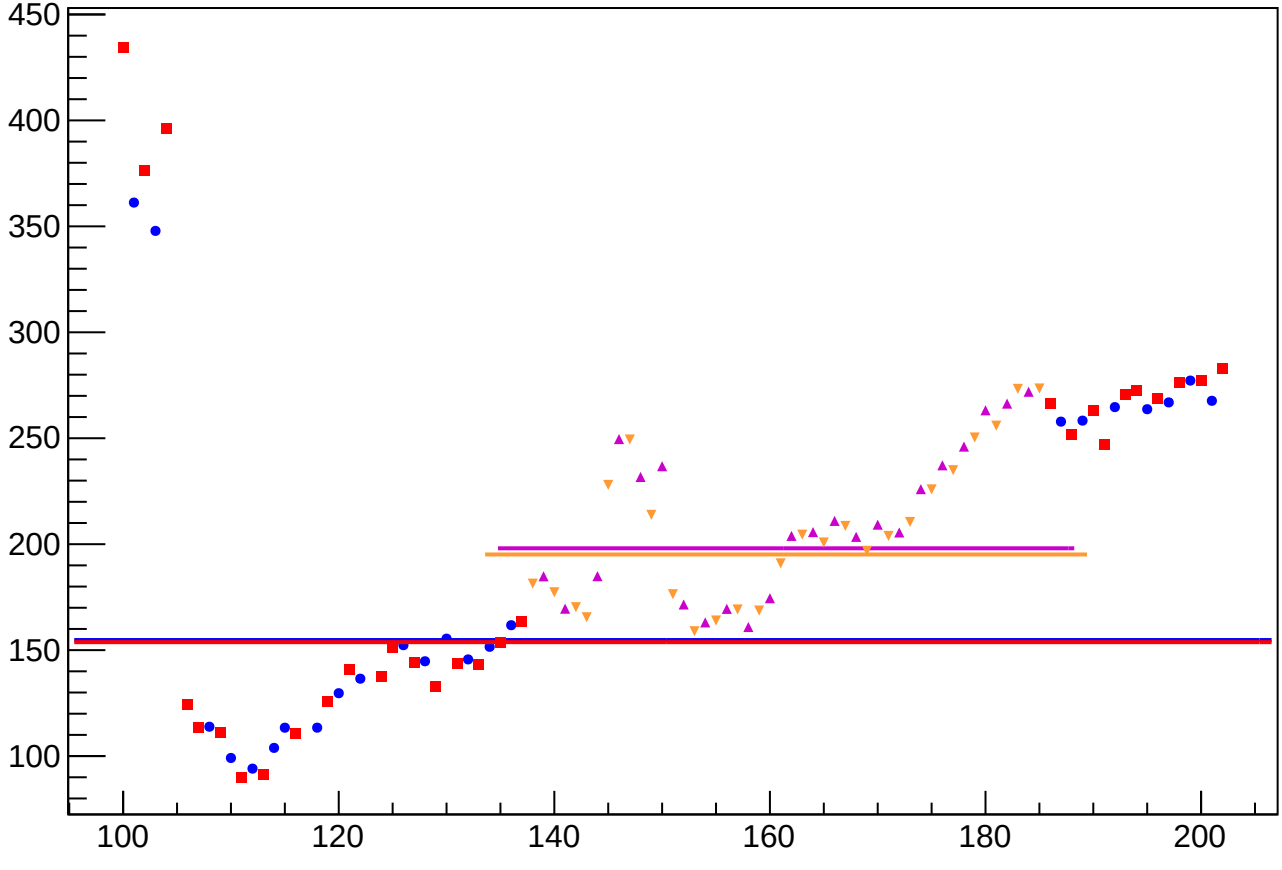
Right: 145157.069+/-0.033 χ^2/NDF: 15563074328.

In: 146427.229+/-0.034 χ^2/NDF:8654311940.2/45

Out: 146532.713+/-0.032 χ^2/NDF:11087526850.5

All: 146483.289+/-0.023 χ^2/NDF: 19747013

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 154.766+/-0.034 χ^2/NDF: 3529451.7/22

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 153.762+/-0.032 χ^2/NDF: 4750927.4/28

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

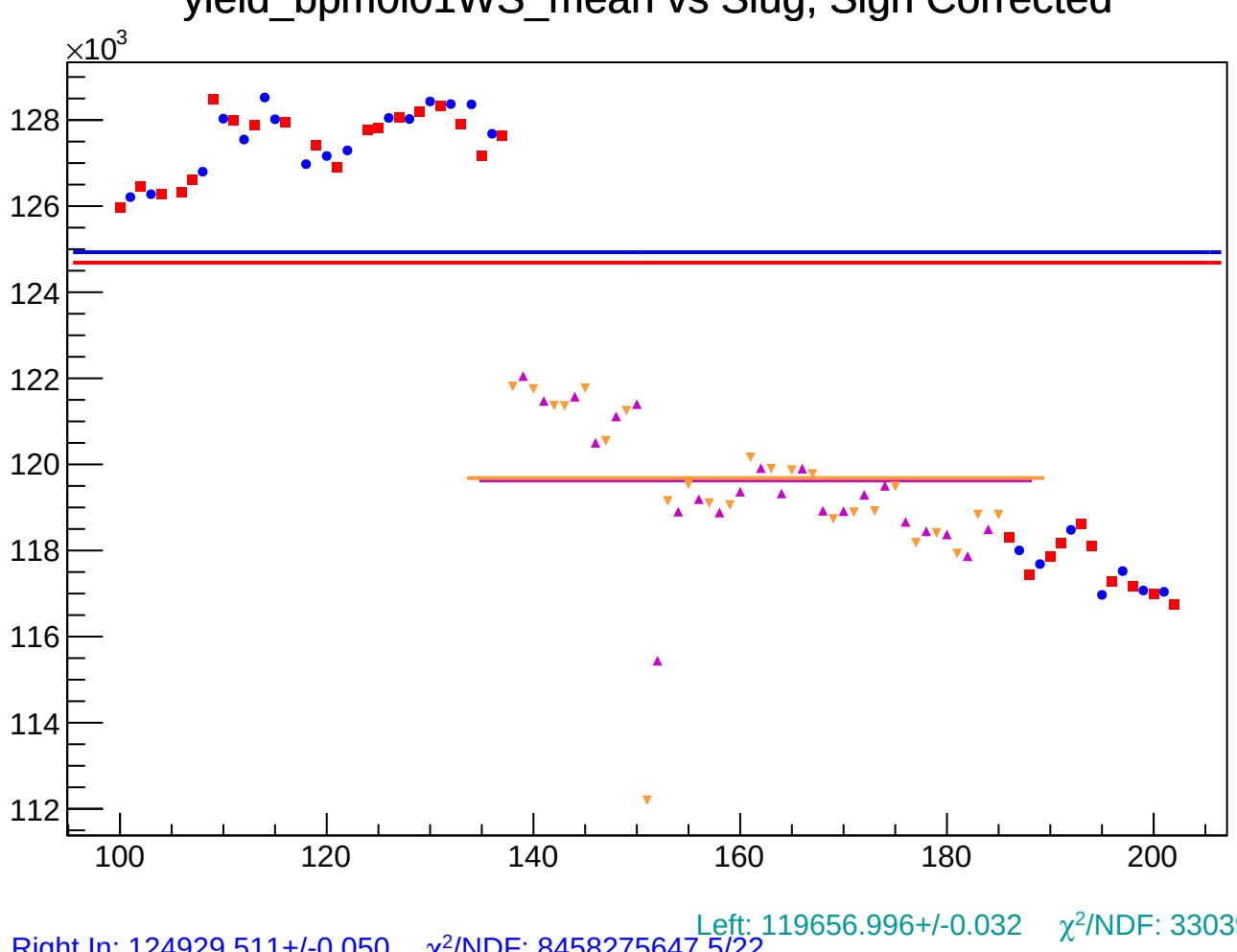
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 154.223+/-0.023 χ^2/NDF: 8280842.8/51

In: 176.986+/-0.024 χ^2/NDF:5249272.0/45

Out: 174.231+/-0.022 χ^2/NDF:6504783.8/53

All: 175.522+/-0.016 χ^2/NDF: 11761114.9/99



Right In: 124929.511+/-0.050 χ^2/NDF: 8458275647.5/22

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124686.892+/-0.046 χ^2/NDF: 10470416387.1/28

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

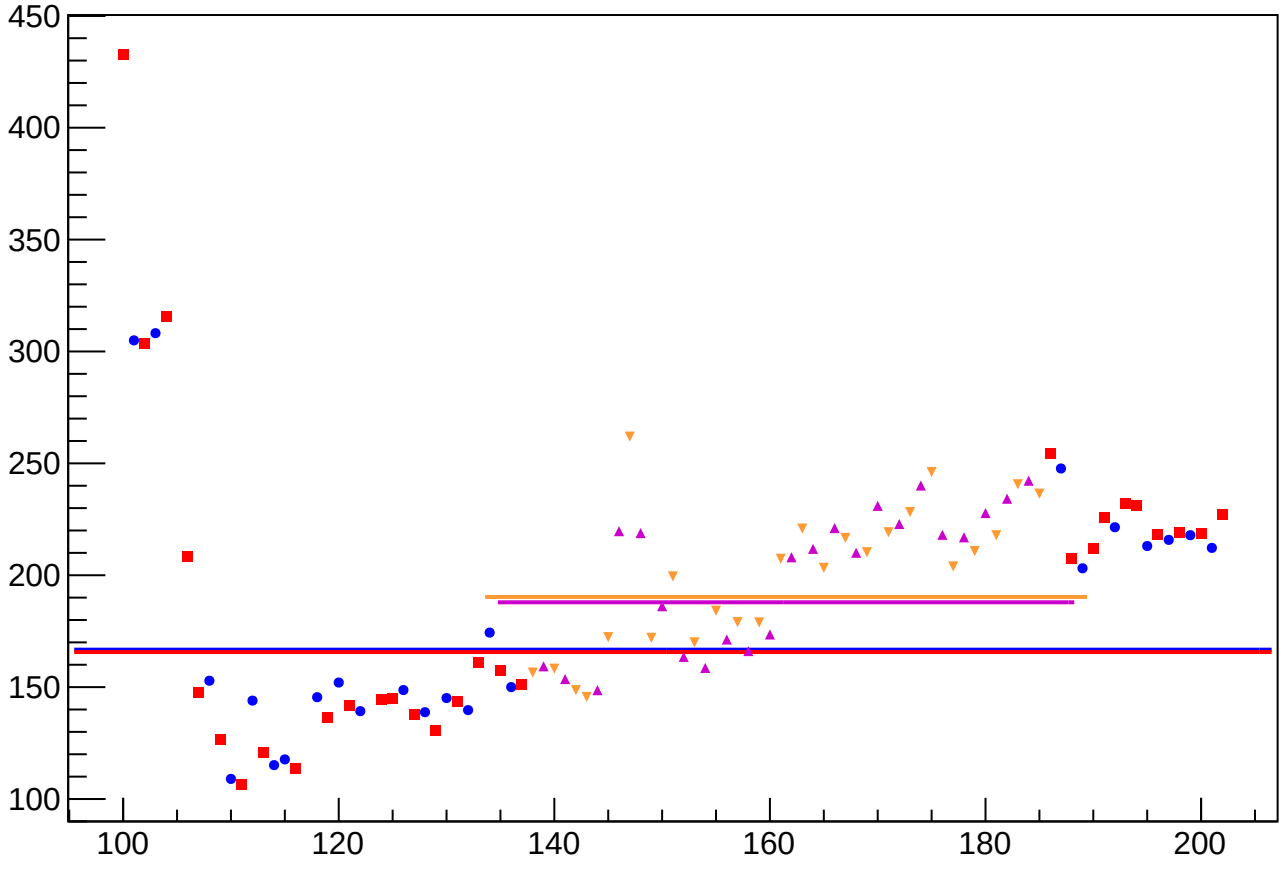
Right: 124798.402+/-0.034 χ^2/NDF: 18941484711.4

In: 122007.650+/-0.033 χ^2/NDF:16003209811.5/4

Out: 122089.716+/-0.032 χ^2/NDF:18600905858.6

All: 122050.581+/-0.023 χ^2/NDF: 34607273

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 166.742+/-0.035 χ^2/NDF: 1551400.2/22

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 165.684+/-0.033 χ^2/NDF: 2324999.9/28

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

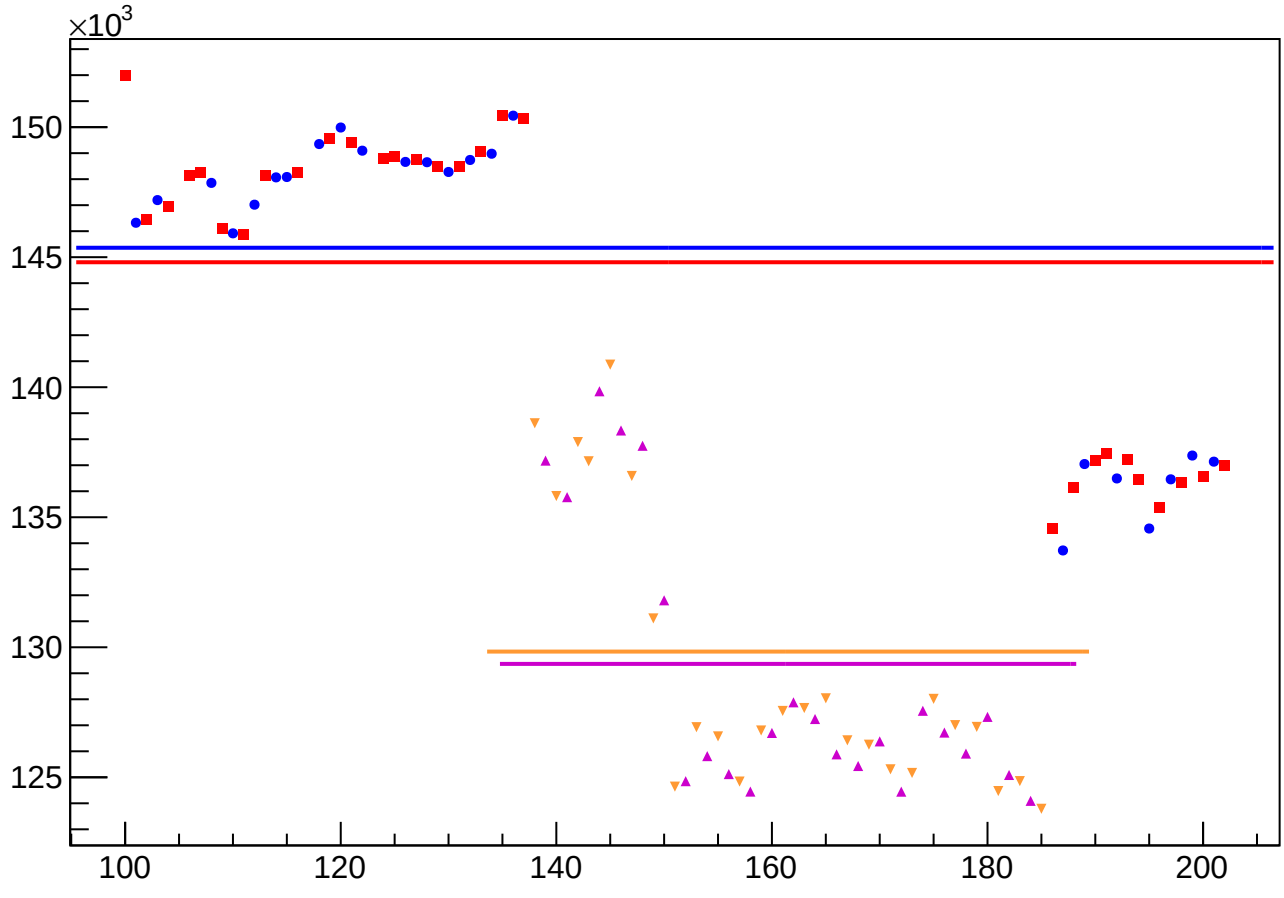
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 166.170+/-0.024 χ^2/NDF: 3876886.0/51

In: 178.411+/-0.024 χ^2/NDF:2676111.9/45

Out: 178.461+/-0.023 χ^2/NDF:3546931.2/53

All: 178.437+/-0.016 χ^2/NDF: 6223045.4/99



Right In: 145362.805+/-0.070 χ^2/NDF: 5998579339.0/22

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144805.405+/-0.064 χ^2/NDF: 7381644565.4/28

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

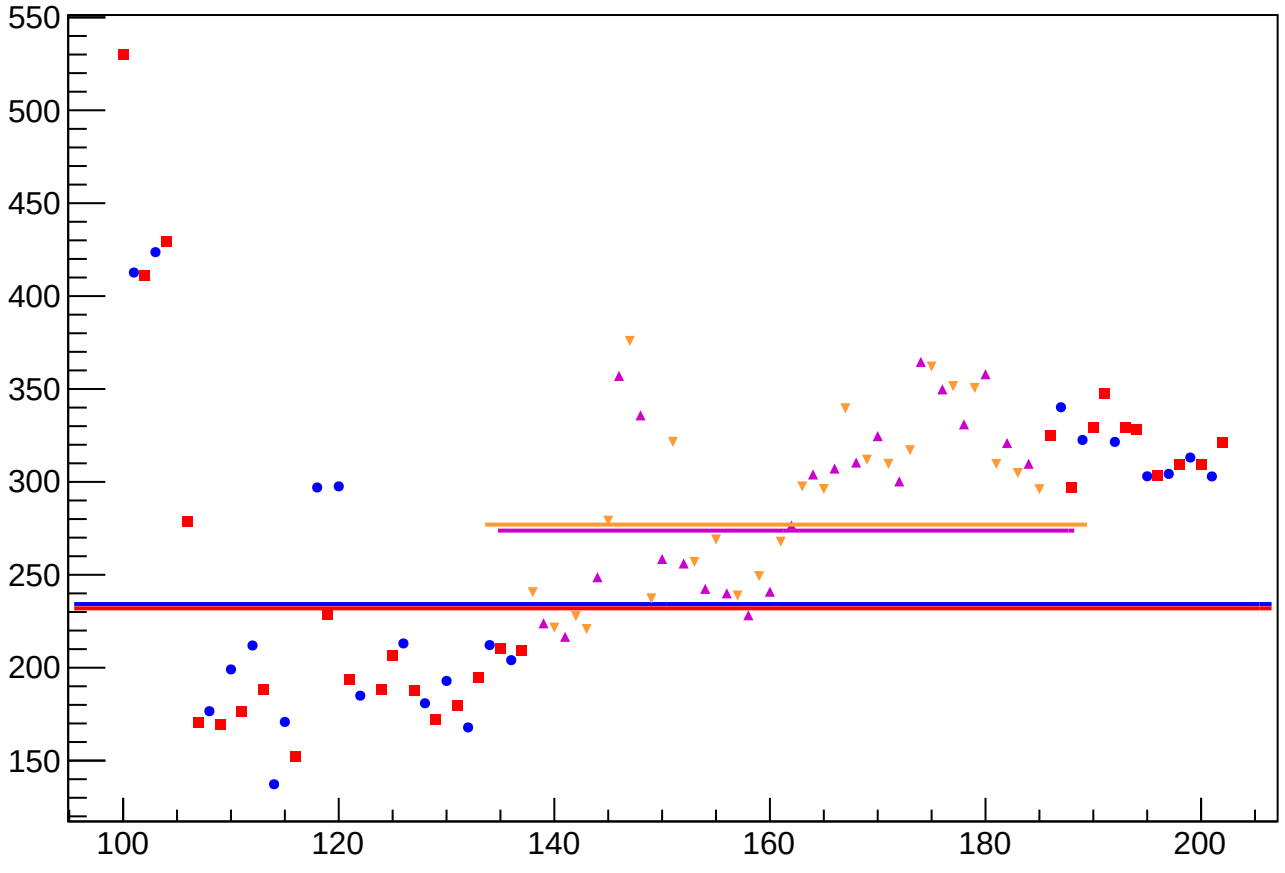
Right: 145059.300+/-0.048 χ^2/NDF: 13414287936.

In: 136759.398+/-0.048 χ^2/NDF:40346255778.1/4

Out: 137290.001+/-0.045 χ^2/NDF:41257010426.5

All: 137038.513+/-0.033 χ^2/NDF: 816677623

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 234.255+/-0.050 χ^2/NDF: 1823214.5/22

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 231.954+/-0.046 χ^2/NDF: 2306885.7/28

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

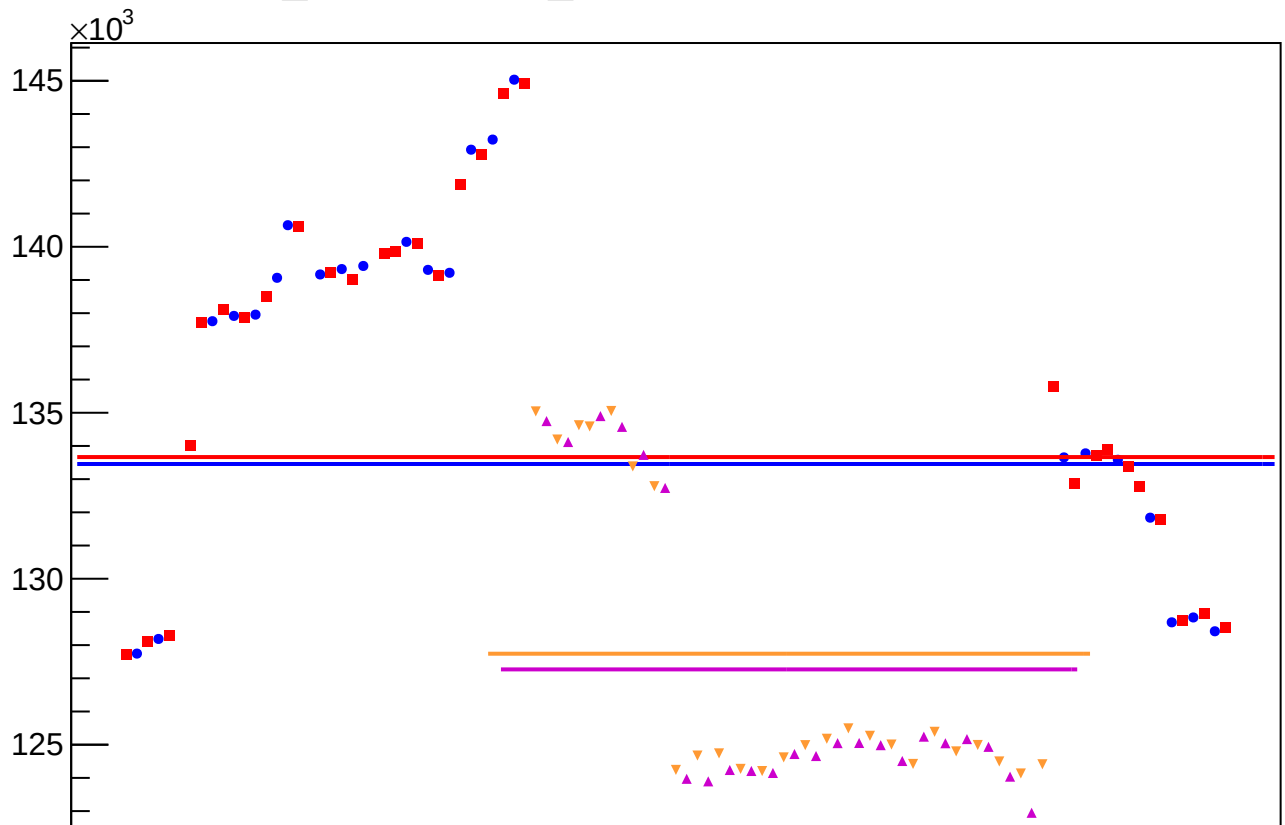
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 233.002+/-0.034 χ^2/NDF: 4131260.9/51

In: 255.507+/-0.034 χ^2/NDF:3165443.7/45

Out: 254.578+/-0.032 χ^2/NDF:3744303.9/53

All: 255.018+/-0.023 χ^2/NDF: 6910143.6/99



Right In: 133456.259+/-0.117 χ^2/NDF: 2357465827.6/22

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133665.290+/-0.116 χ^2/NDF: 1599178255.6/28

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

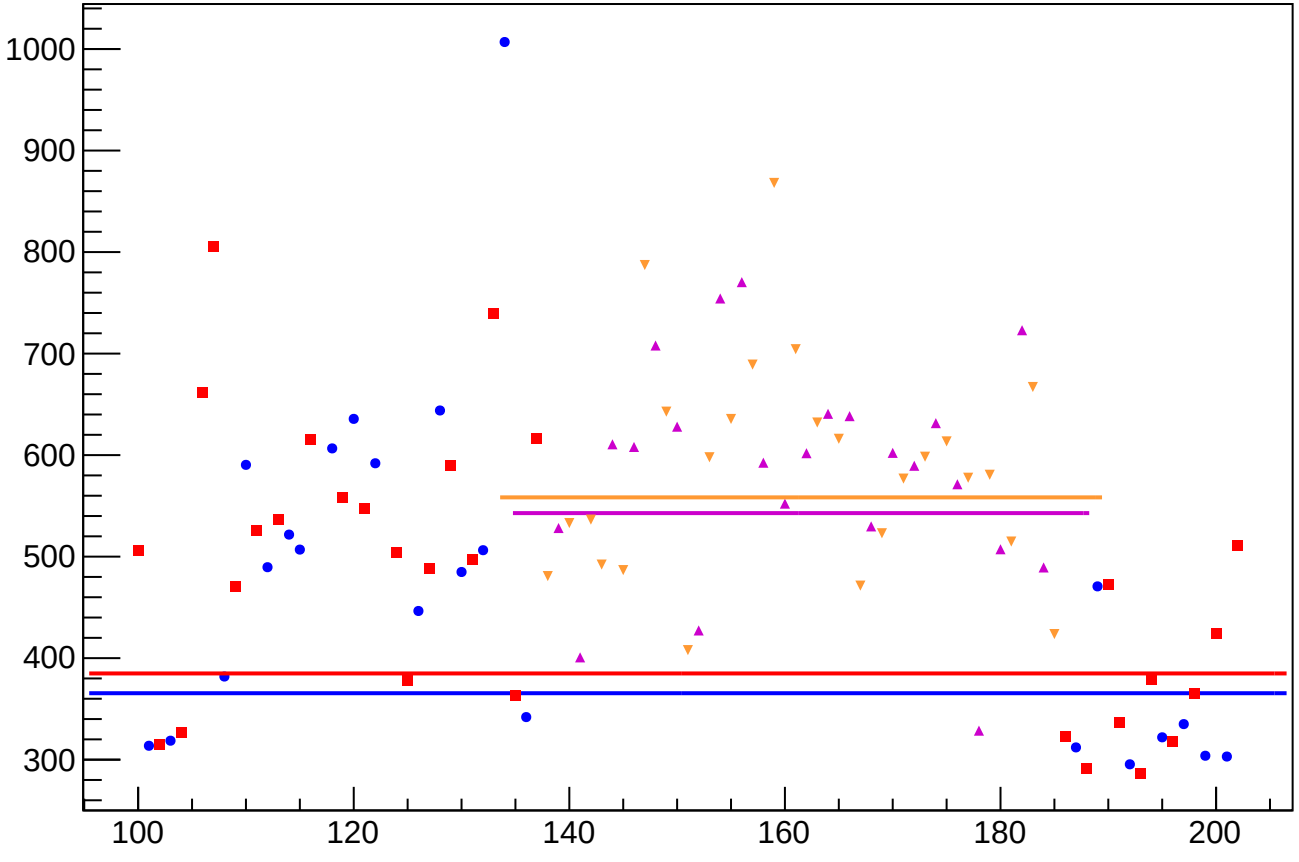
Right: 133562.225+/-0.082 χ^2/NDF: 3958250984.4/

In: 130871.145+/-0.090 χ^2/NDF:4489304237.8/45

Out: 131166.691+/-0.088 χ^2/NDF:3795764453.0/5

All: 131021.477+/-0.063 χ^2/NDF: 829060473

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 365.460+/-0.083 χ^2/NDF: 1479614.7/22

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 384.939+/-0.082 χ^2/NDF: 1598059.4/28

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

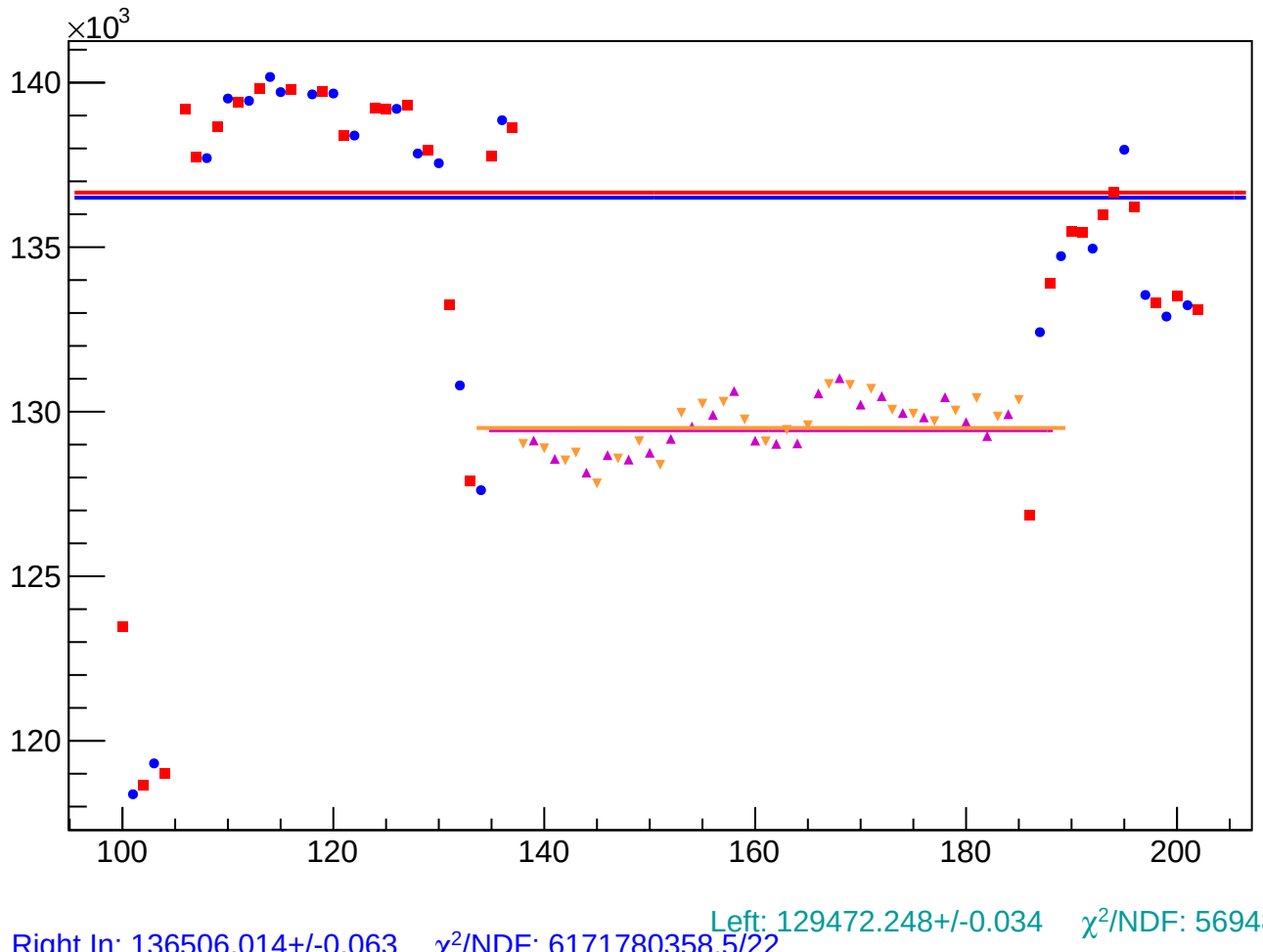
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 375.335+/-0.058 χ^2/NDF: 3105580.4/51

In: 439.580+/-0.063 χ^2/NDF:4804197.3/45

Out: 458.087+/-0.062 χ^2/NDF:4458870.5/53

All: 448.994+/-0.044 χ^2/NDF: 9306487.4/99



Right In: 136506.014+/-0.063 χ^2/NDF: 6171780358.5/22

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136658.425+/-0.058 χ^2/NDF: 6551498010.0/28

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

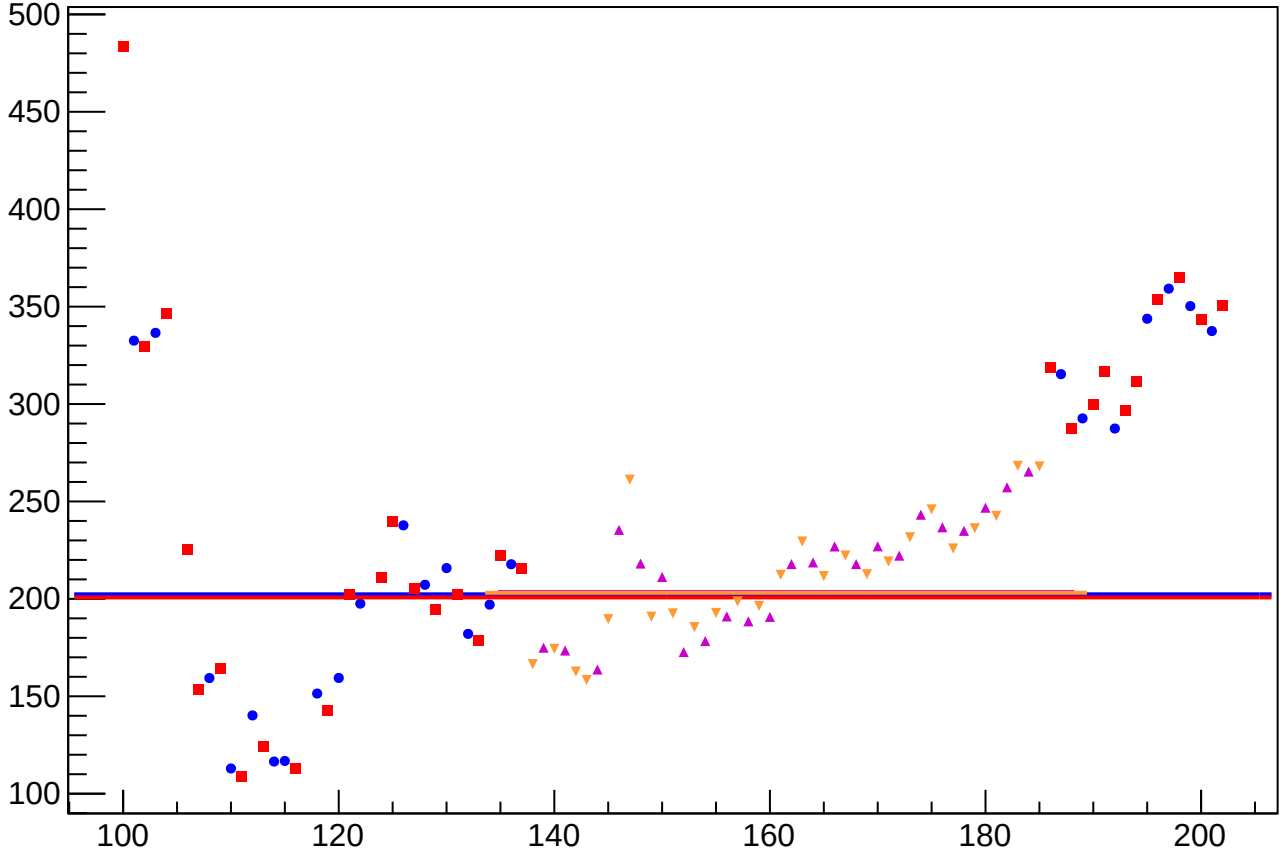
Right: 136588.500+/-0.043 χ^2/NDF: 12726464216.

In: 132072.683+/-0.038 χ^2/NDF:14381918452.3/4

Out: 132349.785+/-0.036 χ^2/NDF:16064580834.1

All: 132218.195+/-0.026 χ^2/NDF: 30473080

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.336+/-0.044 χ^2/NDF: 3022386.7/22

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 200.745+/-0.041 χ^2/NDF: 4074567.6/28

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

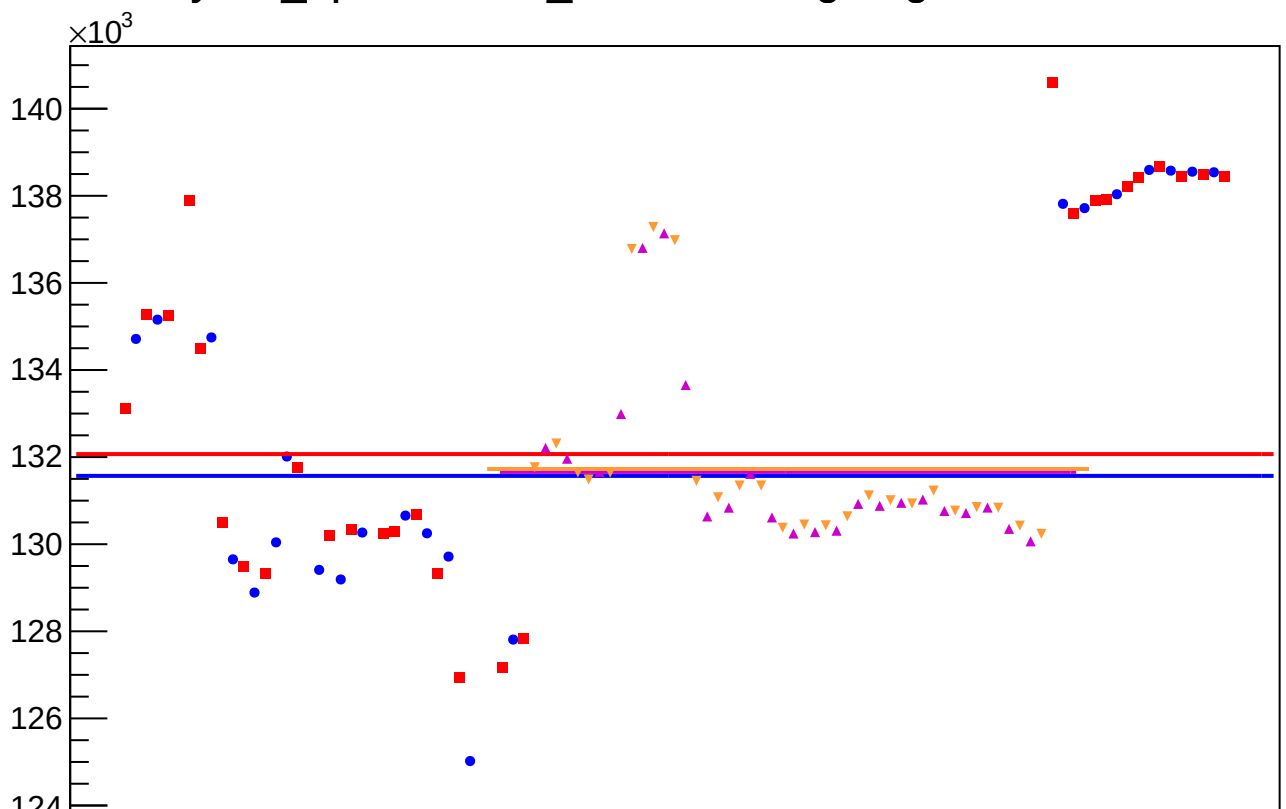
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 201.475+/-0.030 χ^2/NDF: 7097648.7/51

In: 203.095+/-0.027 χ^2/NDF:3688895.8/45

Out: 202.181+/-0.026 χ^2/NDF:4835062.2/53

All: 202.615+/-0.019 χ^2/NDF: 8524554.8/99



Right In: 131568.733+/-0.057 χ^2/NDF: 6329456474.3/22

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132069.582+/-0.052 χ^2/NDF: 7220355002.8/28

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

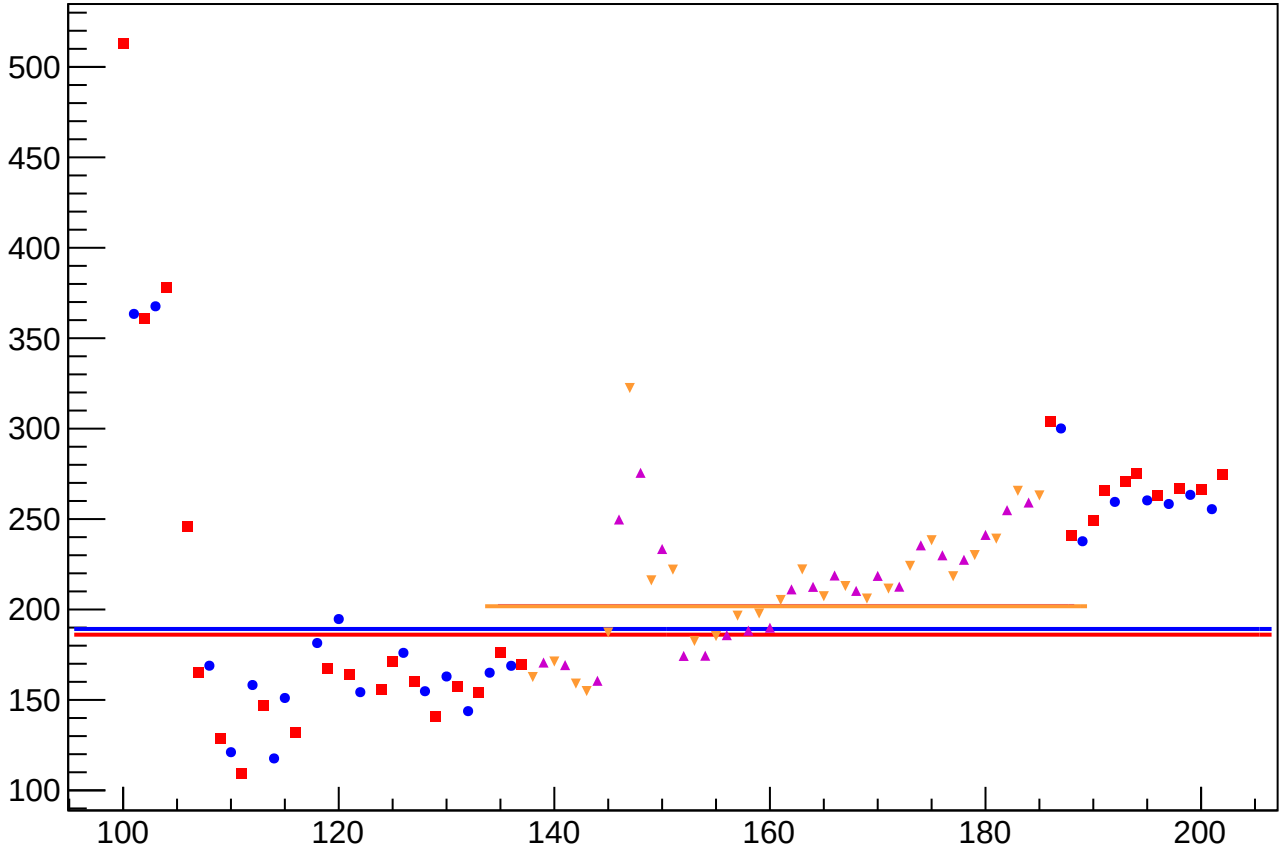
Right: 131841.274+/-0.039 χ^2/NDF: 13591371707.

In: 131622.497+/-0.037 χ^2/NDF:7495338813.2/45

Out: 131879.052+/-0.035 χ^2/NDF:8669118166.3/5

All: 131757.692+/-0.025 χ^2/NDF: 16189961

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 189.239+/-0.041 χ^2/NDF: 1912032.9/22

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 186.079+/-0.037 χ^2/NDF: 2921533.7/28

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

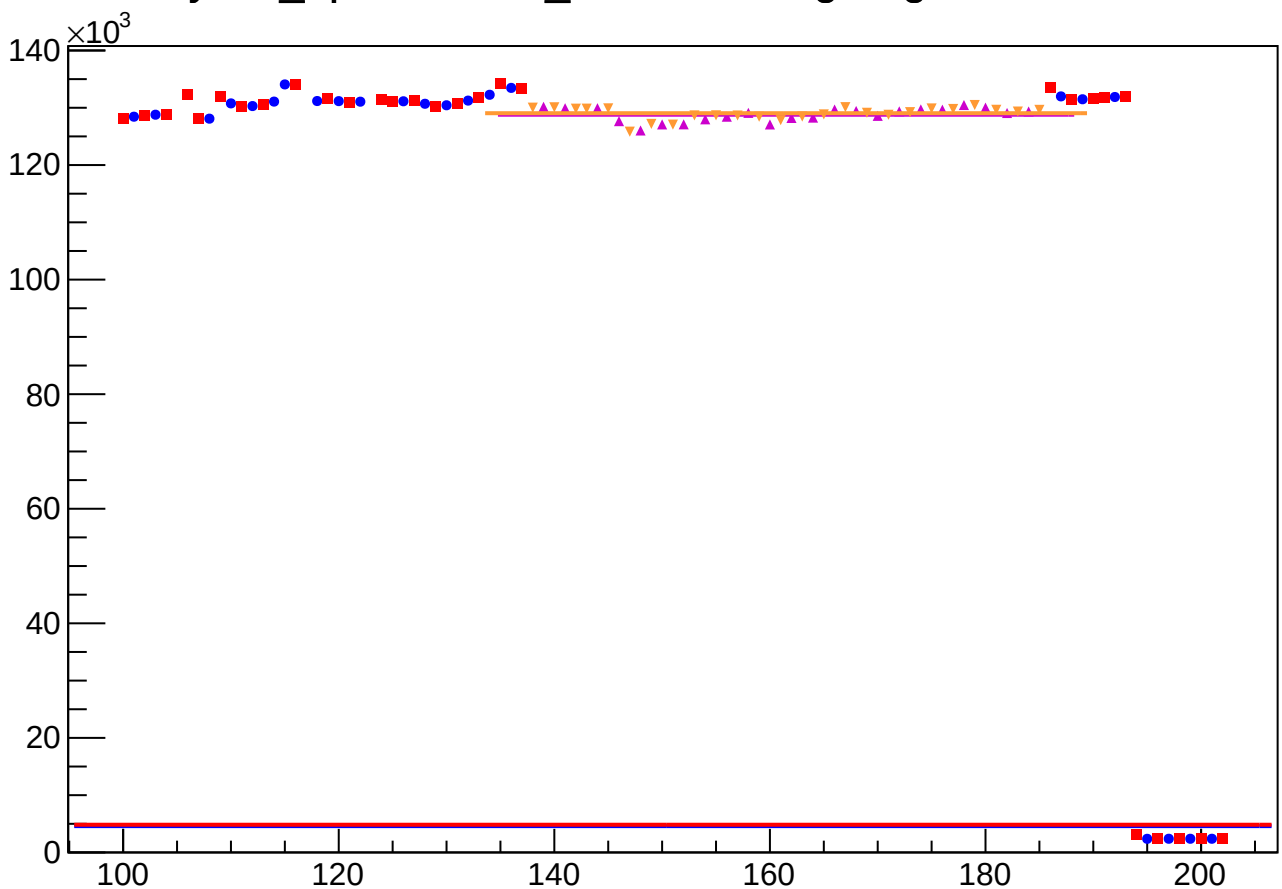
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 187.520+/-0.027 χ^2/NDF: 4836875.6/51

In: 196.685+/-0.026 χ^2/NDF:2772350.8/45

Out: 194.823+/-0.025 χ^2/NDF:3926800.9/53

All: 195.704+/-0.018 χ^2/NDF: 6701837.7/99



Right In: 4597.376+/-0.008 χ^2/NDF: 4948997505202.5/22

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4838.885+/-0.007 χ^2/NDF: 5853820356826.9/28

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

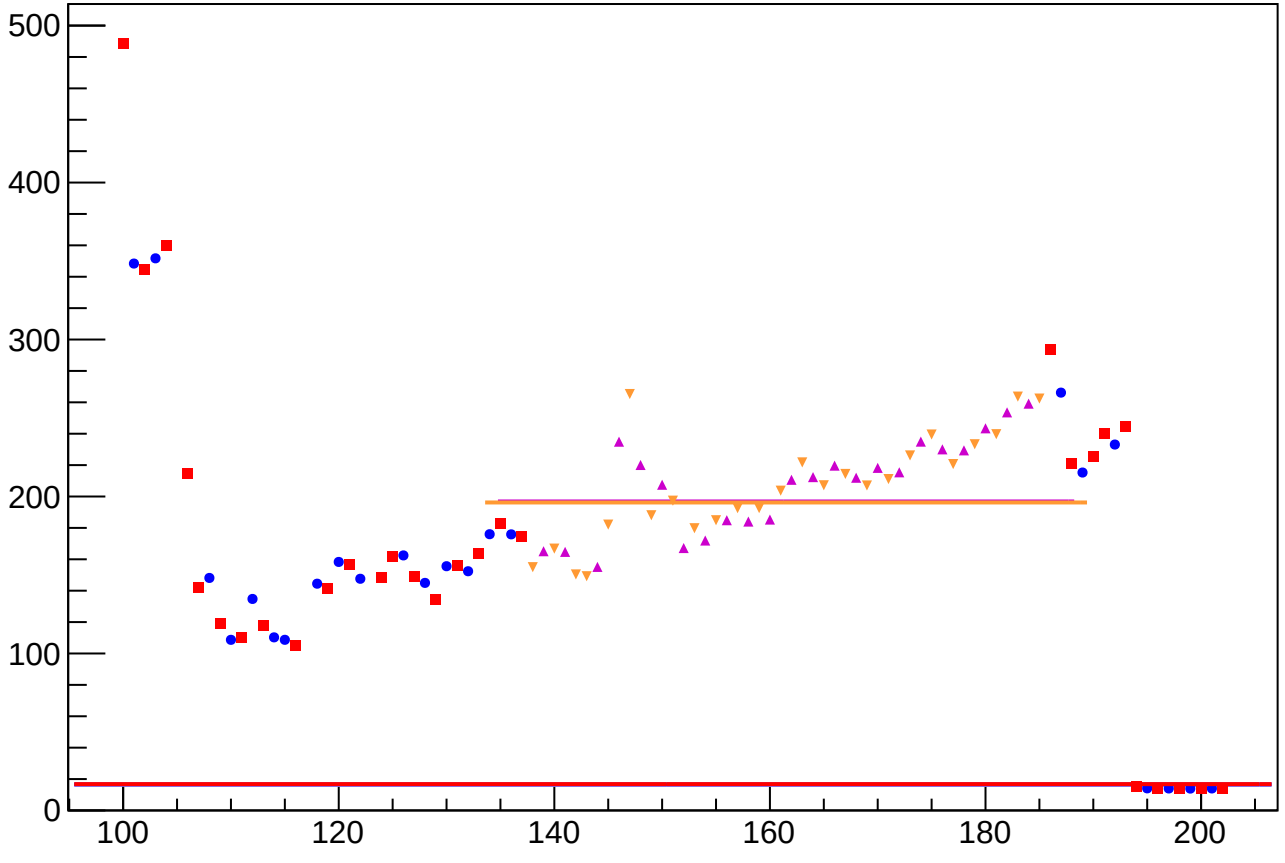
Right: 4723.664+/-0.005 χ^2/NDF: 10803357976653

In: 7706.148+/-0.007 χ^2/NDF:11786425272184.1

Out: 7856.098+/-0.007 χ^2/NDF:13128588234912.

All: 7784.530+/-0.005 χ^2/NDF: 2491522698

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 16.530+/-0.005 χ^2/NDF: 14316667.5/22

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 16.772+/-0.005 χ^2/NDF: 16391114.5/28

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

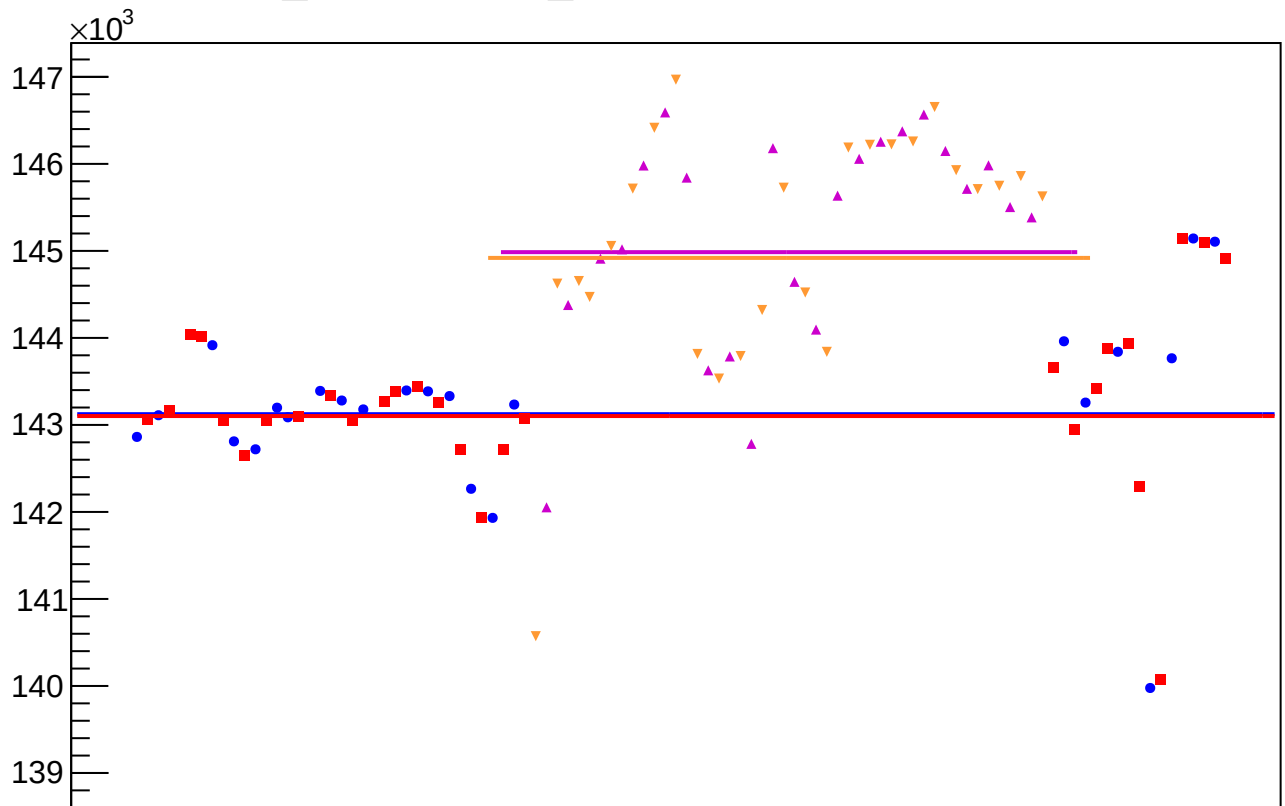
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 16.657+/-0.004 χ^2/NDF: 30708870.6/51

In: 21.044+/-0.005 χ^2/NDF:43914895.4/45

Out: 21.131+/-0.005 χ^2/NDF:47672818.2/53

All: 21.089+/-0.004 χ^2/NDF: 91587858.1/99



Right In: 143123.427+/-0.059 χ^2/NDF: 193805875.1/22

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143102.065+/-0.054 χ^2/NDF: 196858862.3/28

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

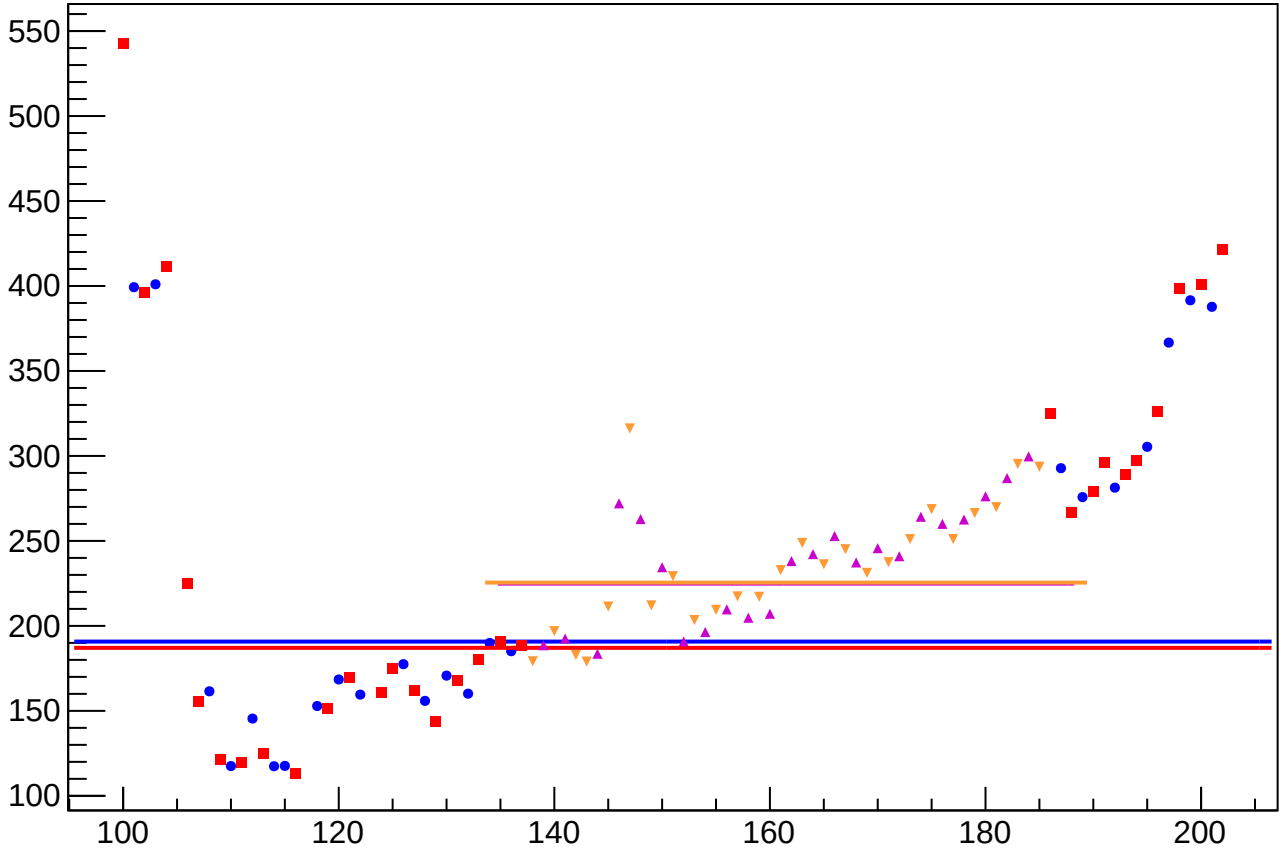
Right: 143111.809+/-0.040 χ^2/NDF: 390735206.3/5

In: 144149.403+/-0.040 χ^2/NDF:1355087491.1/45

Out: 144046.858+/-0.038 χ^2/NDF:1613678307.2/5

All: 144095.341+/-0.027 χ^2/NDF: 29722714

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 190.764+/-0.042 χ^2/NDF: 3317017.4/22

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 187.086+/-0.038 χ^2/NDF: 4643345.3/28

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

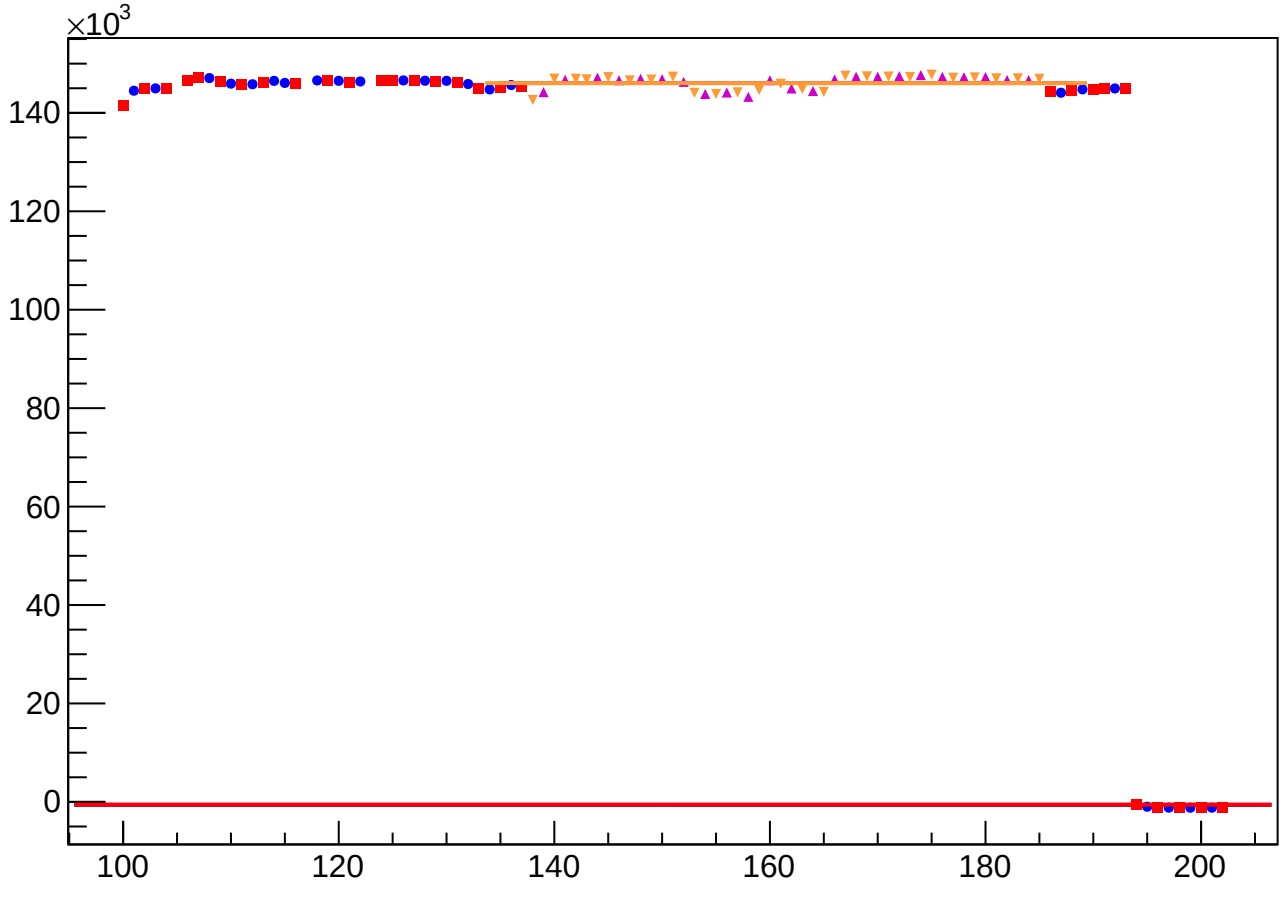
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 188.764+/-0.028 χ^2/NDF: 7964540.0/51

In: 209.554+/-0.028 χ^2/NDF:4404766.5/45

Out: 207.045+/-0.027 χ^2/NDF:5937554.2/53

All: 208.231+/-0.019 χ^2/NDF: 10346519.9/99



Right In: -593.381+/-0.004 χ^2/NDF: 5361101129199.1/22

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -572.169+/-0.004 χ^2/NDF: 6450025713241.9/28

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

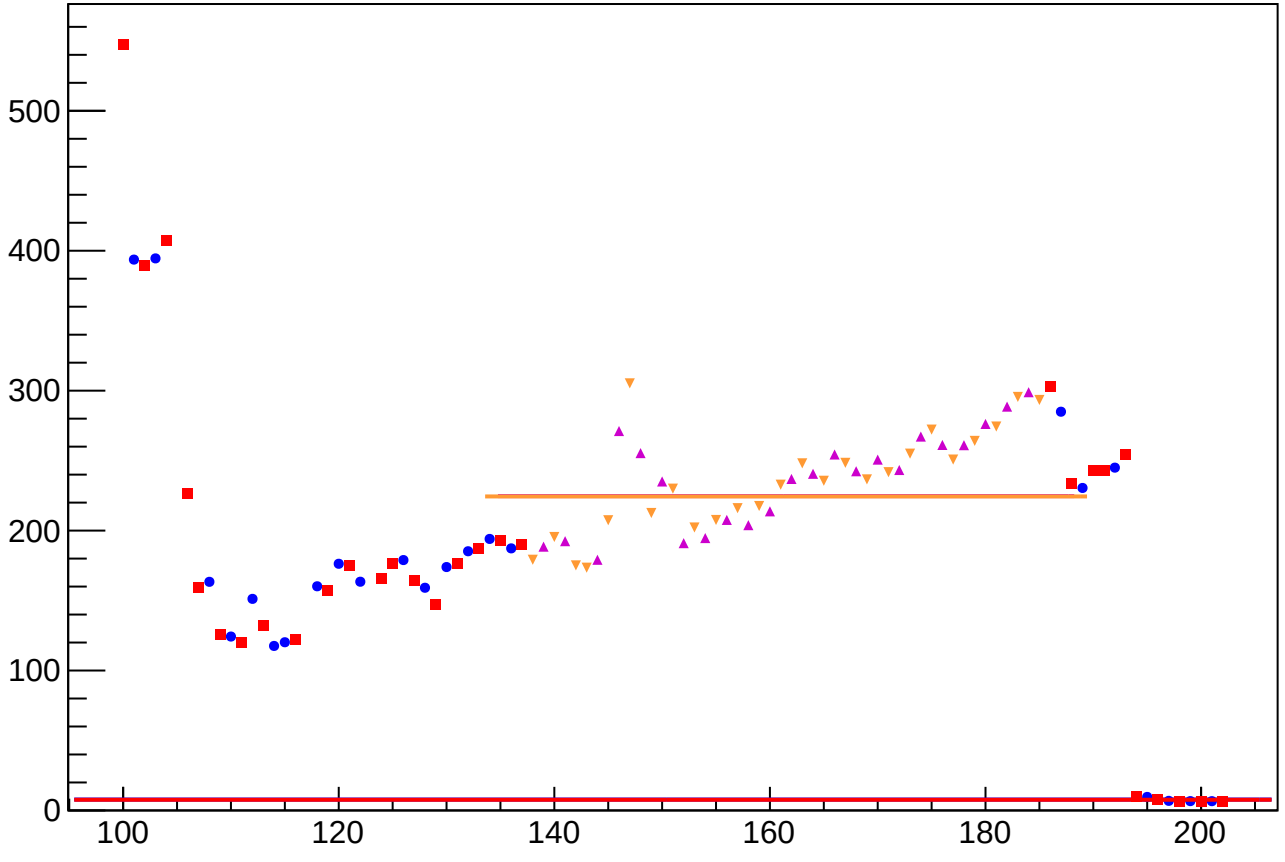
Right: -581.981+/-0.003 χ^2/NDF: 11811142661498

In: 183.896+/-0.004 χ^2/NDF:12818509079266.4/4

Out: 137.430+/-0.004 χ^2/NDF:14359072533933.4

All: 158.928+/-0.003 χ^2/NDF: 27177657912(

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.798+/-0.003 χ^2/NDF: 16029924.0/22

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.646+/-0.003 χ^2/NDF: 18367984.3/28

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

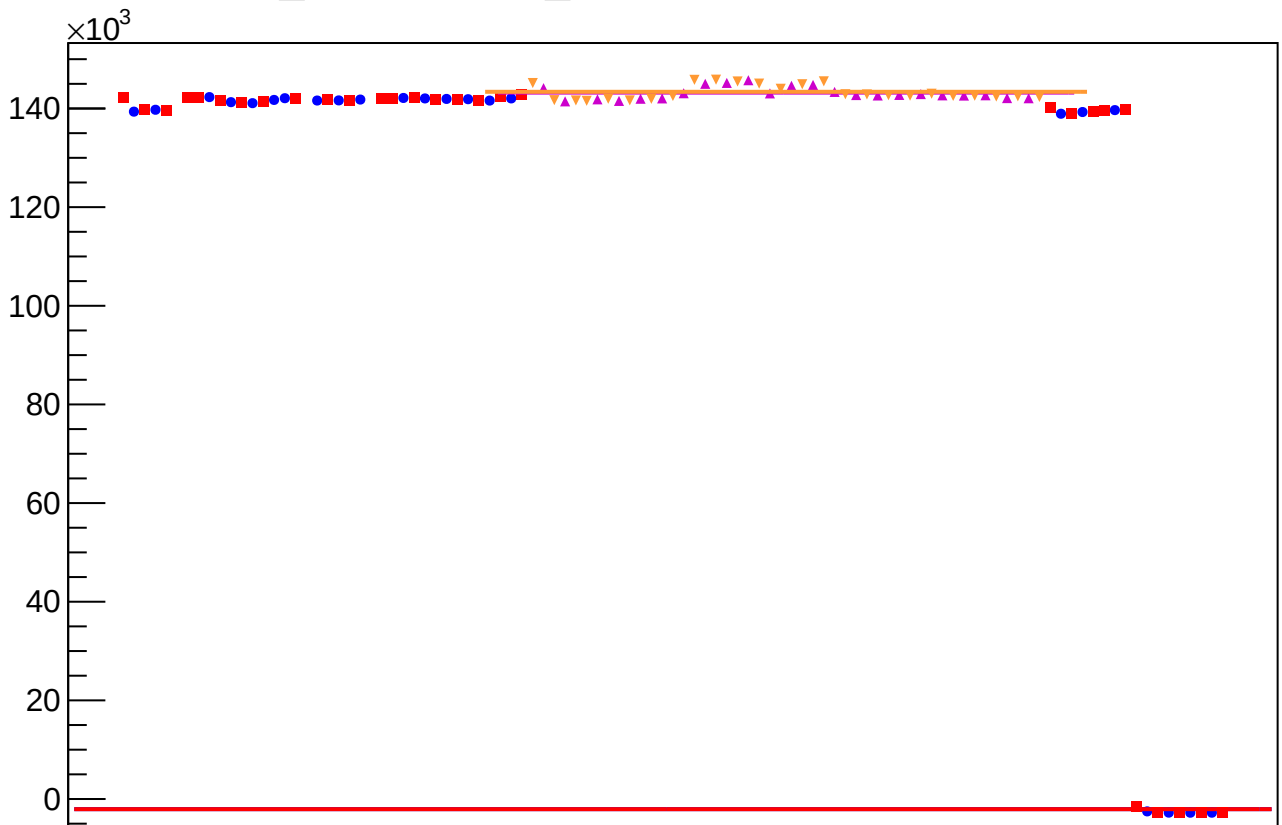
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.716+/-0.002 χ^2/NDF: 34399537.4/51

In: 8.947+/-0.003 χ^2/NDF:49397536.2/45

Out: 8.695+/-0.003 χ^2/NDF:53789029.0/53

All: 8.811+/-0.002 χ^2/NDF: 103191070.9/99



Right In: -2056.411+/-0.004 χ^2/NDF: 4947910666779.3/22

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2061.321+/-0.004 χ^2/NDF: 5817830020312.9/28

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

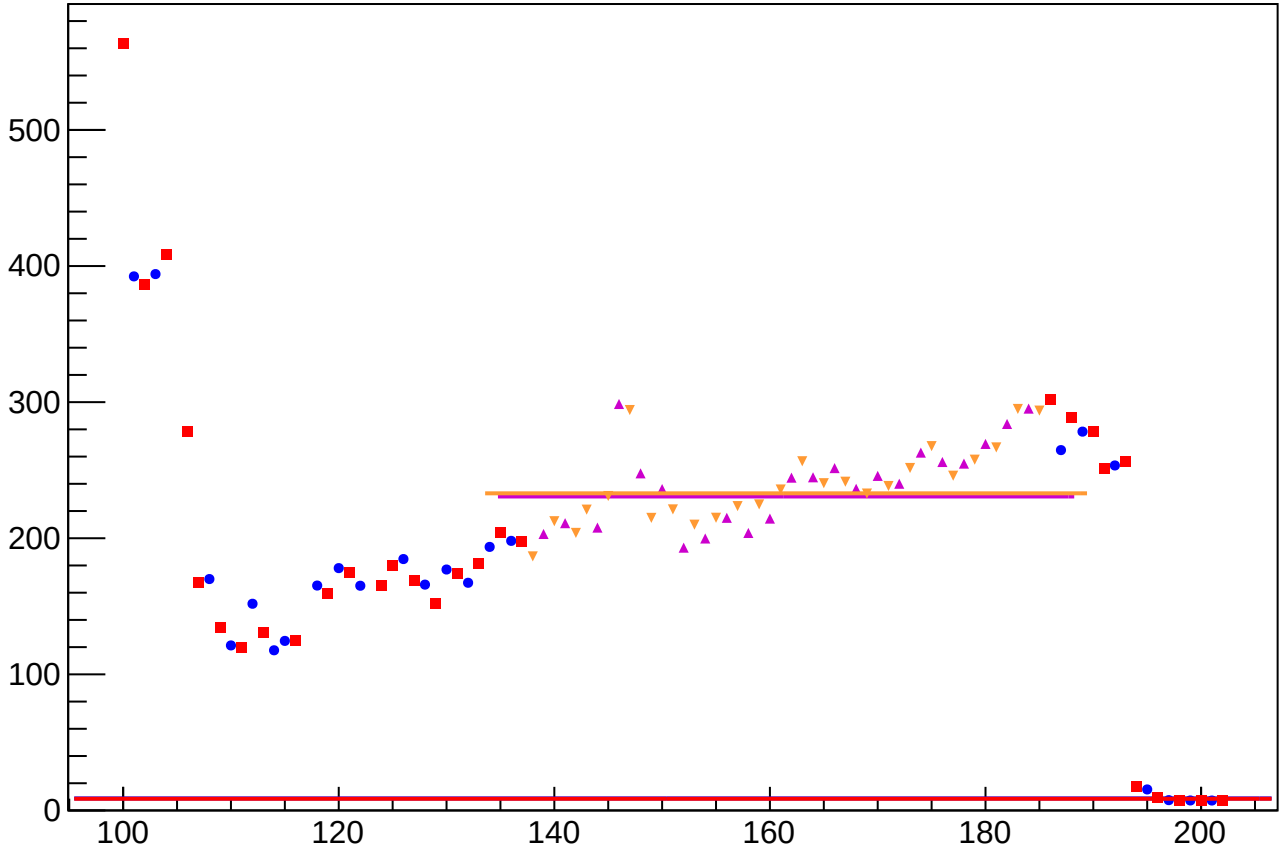
Right: -2059.080+/-0.003 χ^2/NDF: 1076574133675

In: -1088.204+/-0.004 χ^2/NDF:11922184285784.6

Out: -1211.728+/-0.004 χ^2/NDF:13116265031108

All: -1155.328+/-0.003 χ^2/NDF: 2503886315

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.832+/-0.003 χ^2/NDF: 16158844.2/22

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.597+/-0.003 χ^2/NDF: 18390532.4/28

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

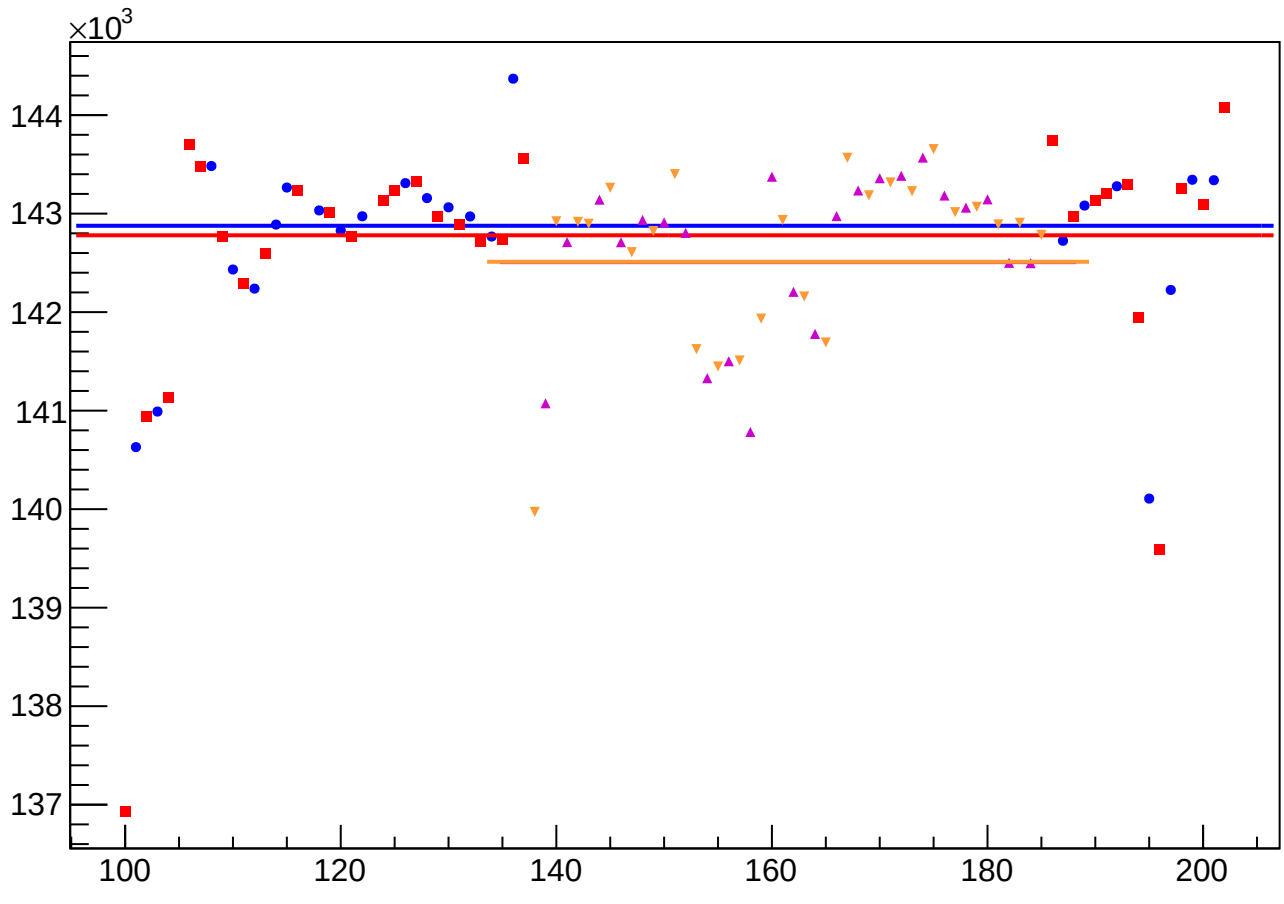
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.705+/-0.002 χ^2/NDF: 34552351.2/51

In: 10.311+/-0.003 χ^2/NDF:49198648.2/45

Out: 9.908+/-0.003 χ^2/NDF:53580547.7/53

All: 10.092+/-0.002 χ^2/NDF: 102787991.9/99



Right In: 142876.735+/-0.062 χ^2/NDF: 200519481.8/22

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142779.989+/-0.056 χ^2/NDF: 167880141.0/28

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

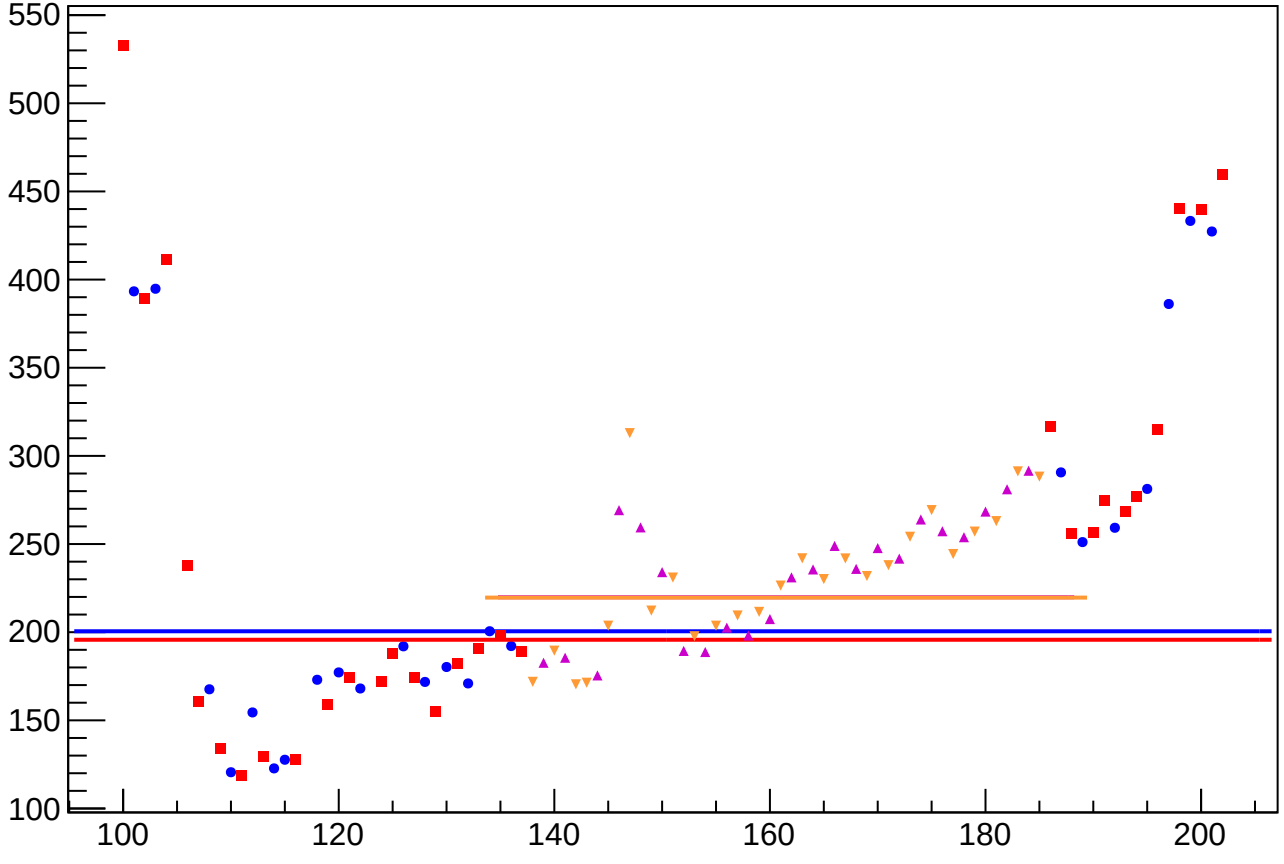
Right: 142823.790+/-0.042 χ^2/NDF: 369730226.7/5

In: 142661.261+/-0.040 χ^2/NDF:490455832.0/45

Out: 142631.874+/-0.038 χ^2/NDF:518459791.1/53

All: 142645.724+/-0.027 χ^2/NDF: 10092005

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 200.527+/-0.044 χ^2/NDF: 2995245.4/22

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 195.704+/-0.040 χ^2/NDF: 4226385.5/28

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

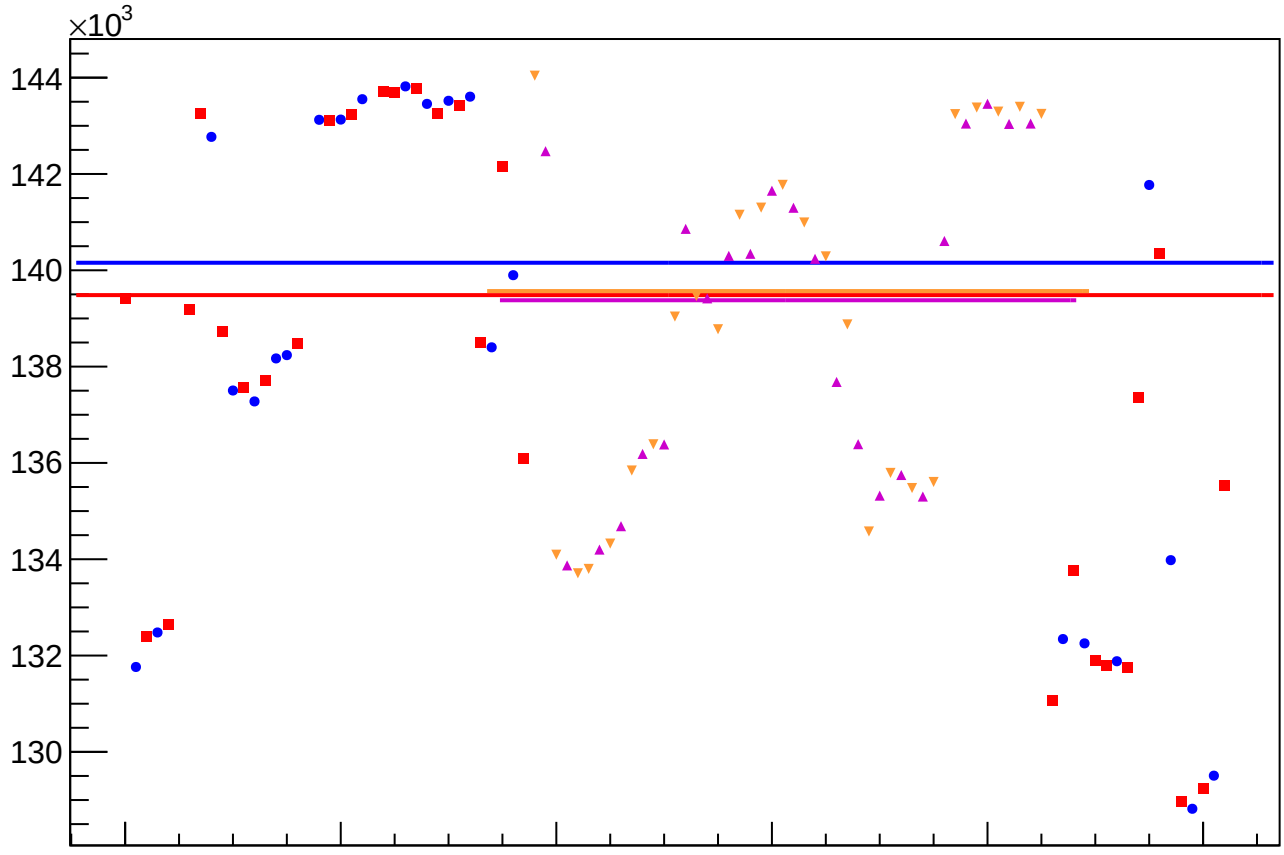
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 197.887+/-0.030 χ^2/NDF: 7228246.2/51

In: 211.784+/-0.028 χ^2/NDF:3913540.5/45

Out: 208.890+/-0.027 χ^2/NDF:5326453.8/53

All: 210.254+/-0.019 χ^2/NDF: 9245518.3/99



Right In: 140156.540+/-0.088 χ^2/NDF: 2559501037.6/22

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139484.756+/-0.086 χ^2/NDF: 2715005525.4/28

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

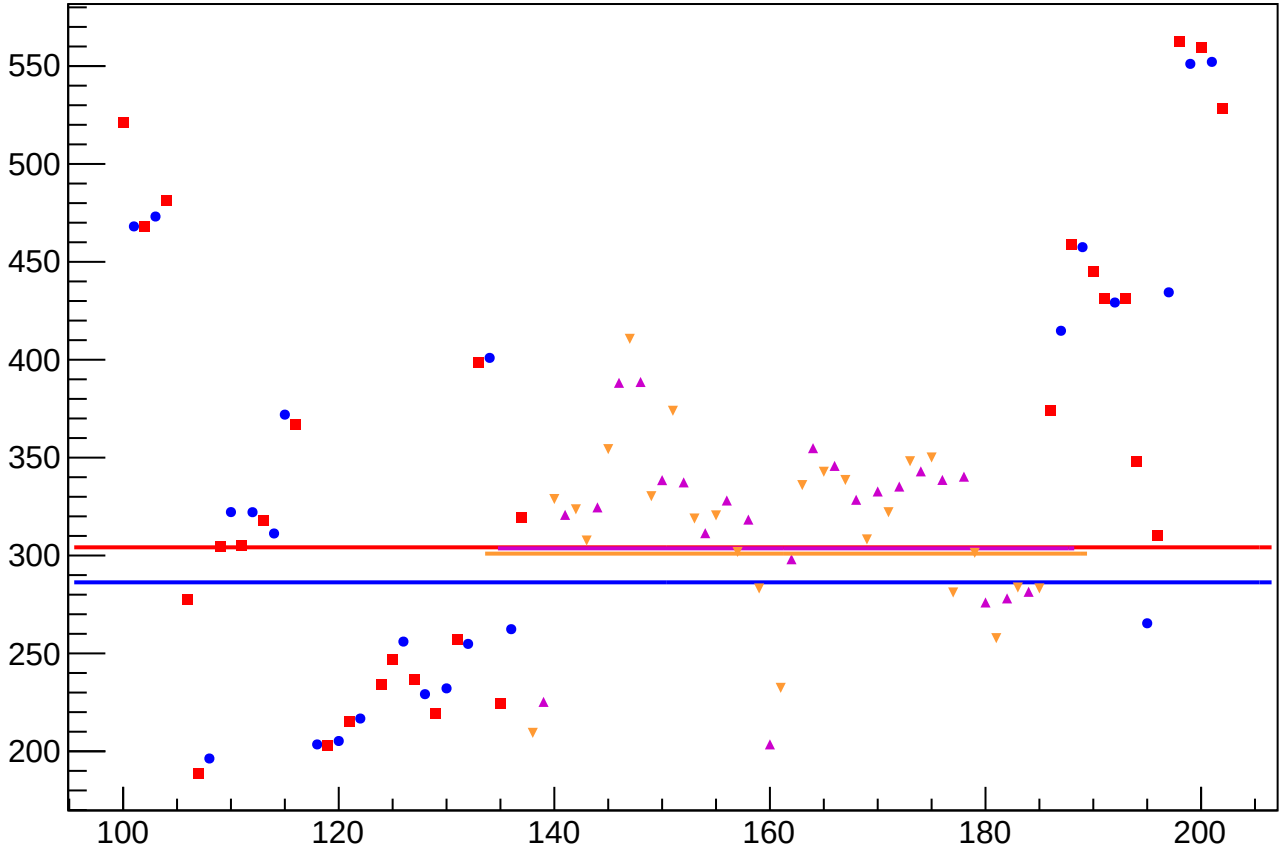
Right: 139811.791+/-0.061 χ^2/NDF: 5304322628.4/

In: 139694.293+/-0.056 χ^2/NDF:4527291824.1/45

Out: 139535.188+/-0.054 χ^2/NDF:5302219210.9/5

All: 139611.952+/-0.039 χ^2/NDF: 98336593

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 286.299+/-0.062 χ^2/NDF: 2490119.6/22

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 304.182+/-0.061 χ^2/NDF: 2919848.8/28

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

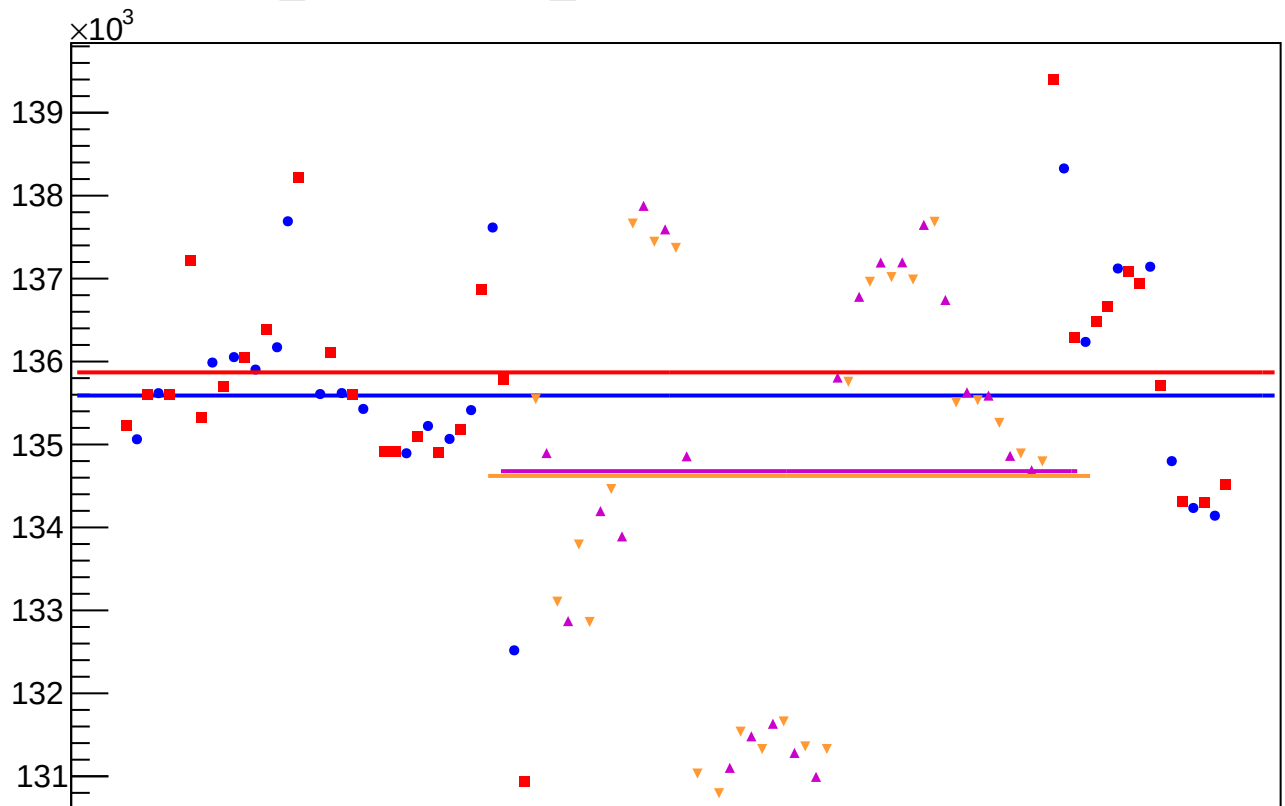
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 295.476+/-0.043 χ^2/NDF: 5452225.7/51

In: 296.600+/-0.040 χ^2/NDF:3512418.6/45

Out: 302.250+/-0.038 χ^2/NDF:3798425.9/53

All: 299.524+/-0.028 χ^2/NDF: 7321305.0/99



Right In: 135590.311+/-0.085 χ^2/NDF: 217209670.2/22

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135869.199+/-0.075 χ^2/NDF: 250759448.1/28

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

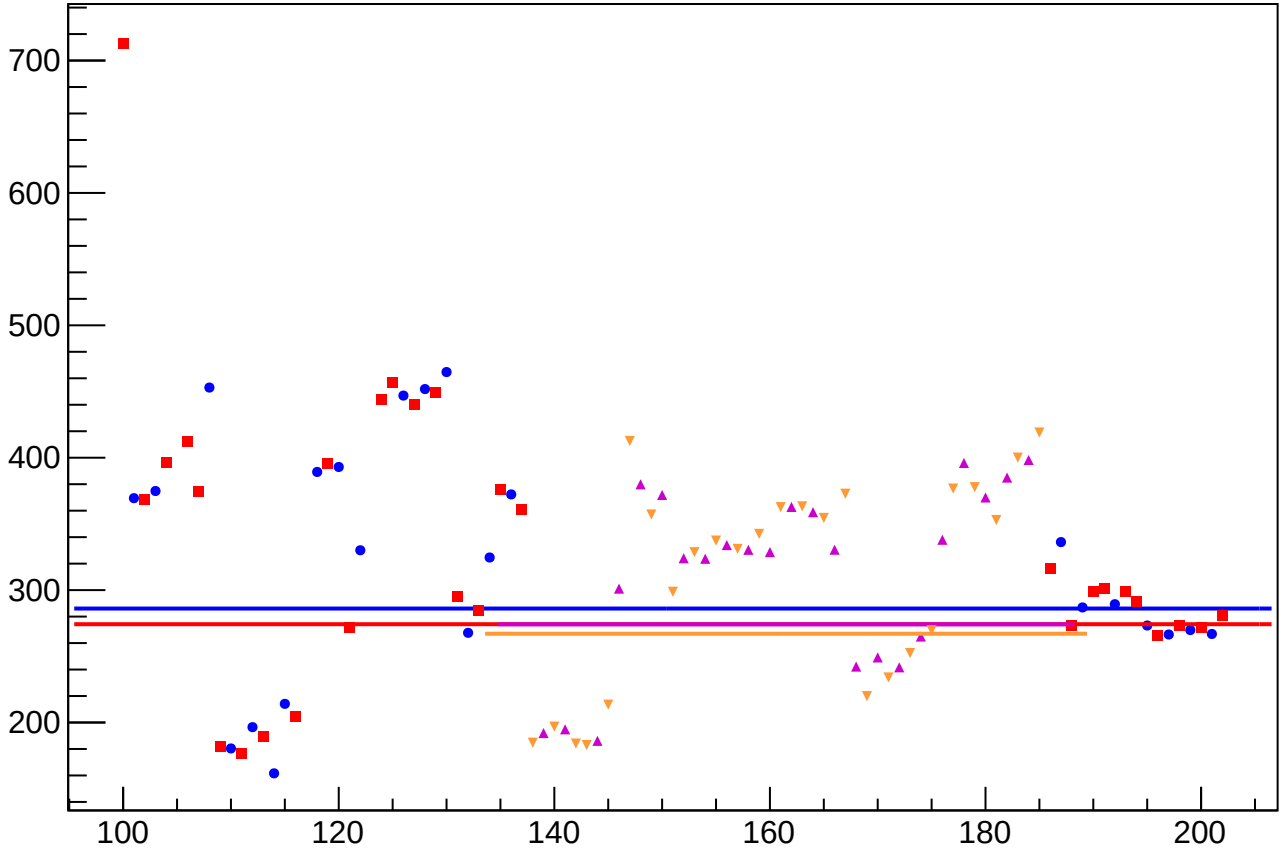
Right: 135746.868+/-0.056 χ^2/NDF: 473986012.9/5

In: 135026.316+/-0.053 χ^2/NDF:1384373677.2/45

Out: 135141.982+/-0.049 χ^2/NDF:1612339739.1/5

All: 135088.670+/-0.036 χ^2/NDF: 29993189

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.077+/-0.060 χ^2/NDF: 1491080.6/22

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 274.255+/-0.053 χ^2/NDF: 1729836.1/28

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

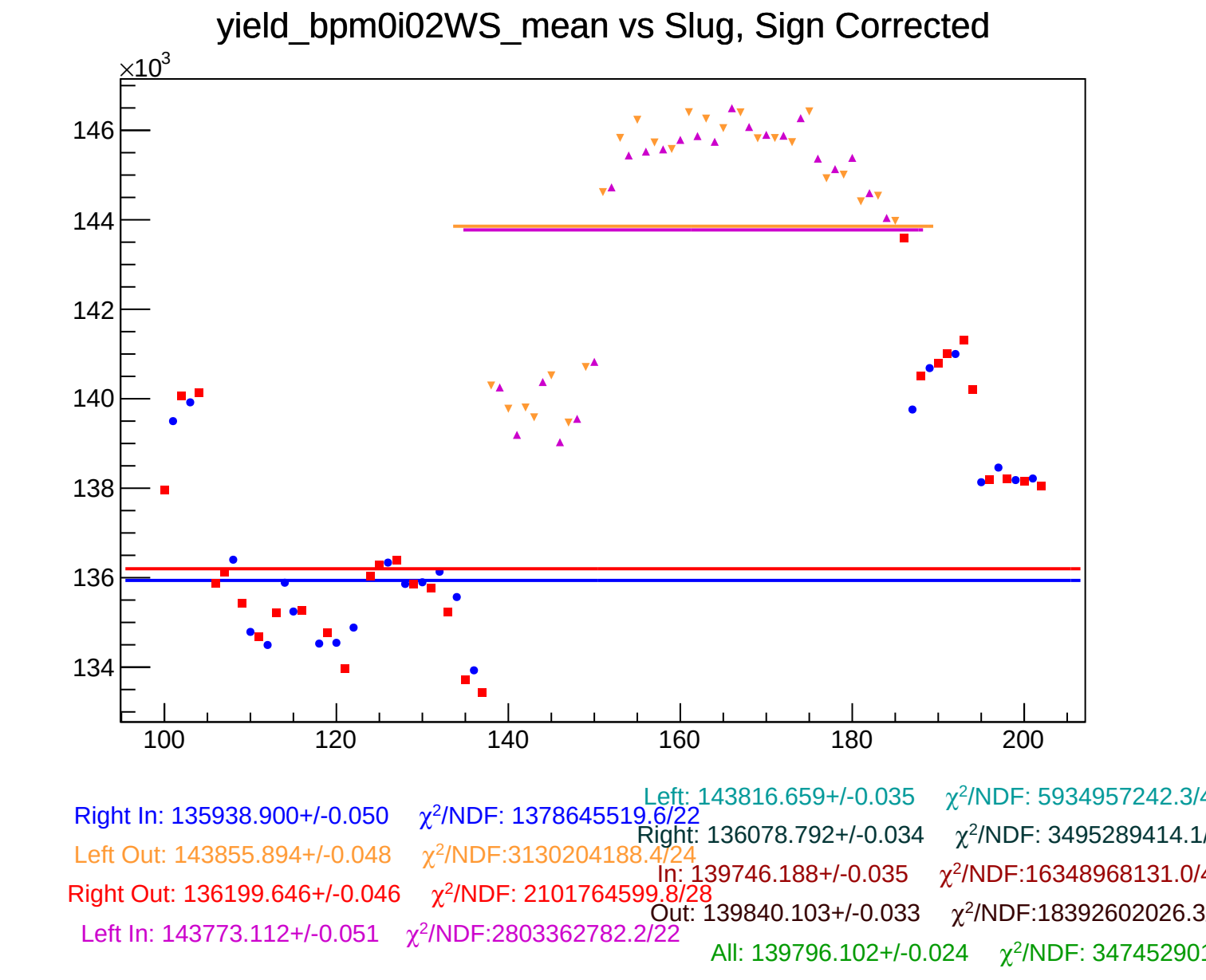
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 279.440+/-0.040 χ^2/NDF: 3242542.4/51

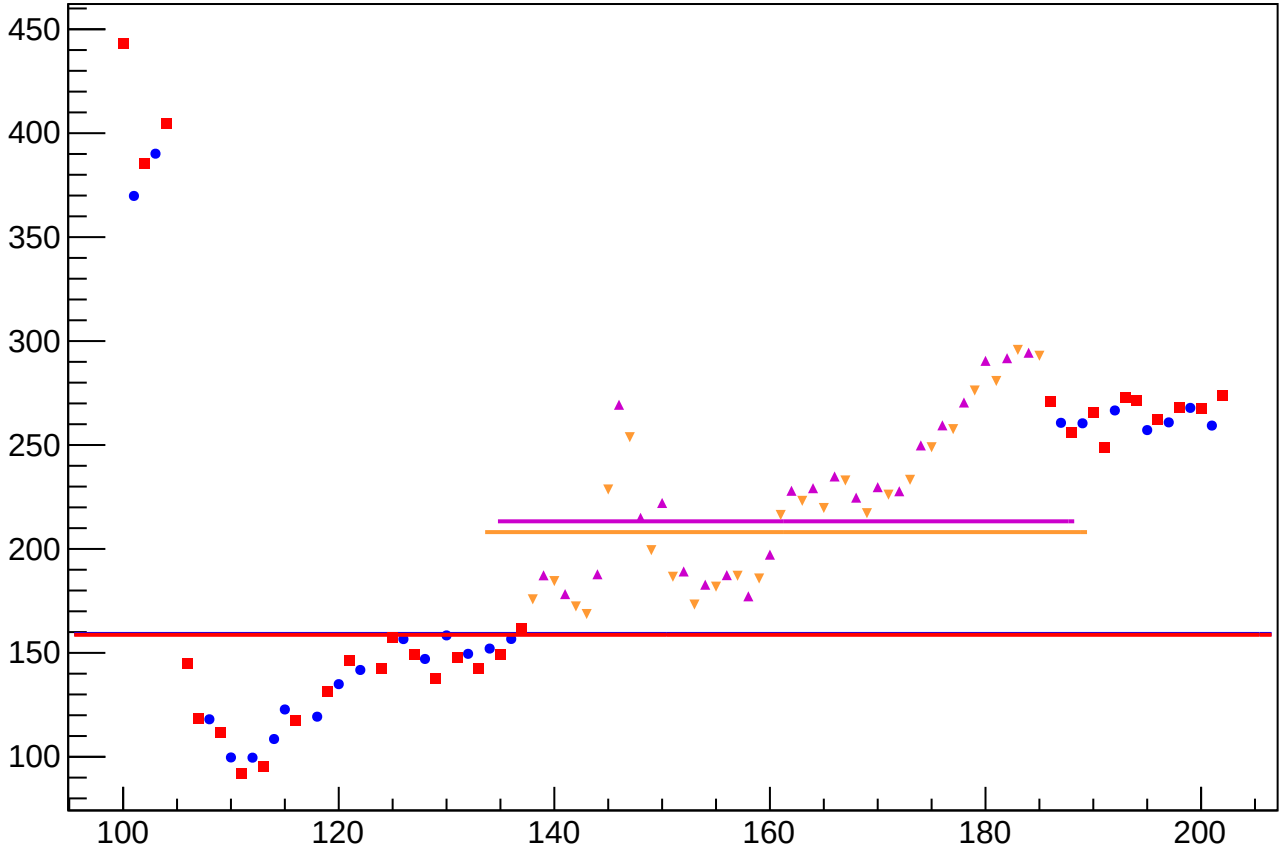
In: 278.717+/-0.037 χ^2/NDF:3751977.5/45

Out: 270.059+/-0.034 χ^2/NDF:4583800.2/53

All: 274.049+/-0.025 χ^2/NDF: 8364971.6/99


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
Right In: 135938.900+/-0.050 χ²/NDF: 1378645519.6/22
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136199.646+/-0.046 χ²/NDF: 2101764599.8/28
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 136078.792+/-0.034 χ²/NDF: 3495289414.1/
In: 139746.188+/-0.035 χ²/NDF:16348968131.0/4
Out: 139840.103+/-0.033 χ²/NDF:18392602026.3
All: 139796.102+/-0.024 χ²/NDF: 34745290

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 159.109+/-0.035 χ^2/NDF: 3305043.8/22

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 158.701+/-0.033 χ^2/NDF: 4428774.9/28

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

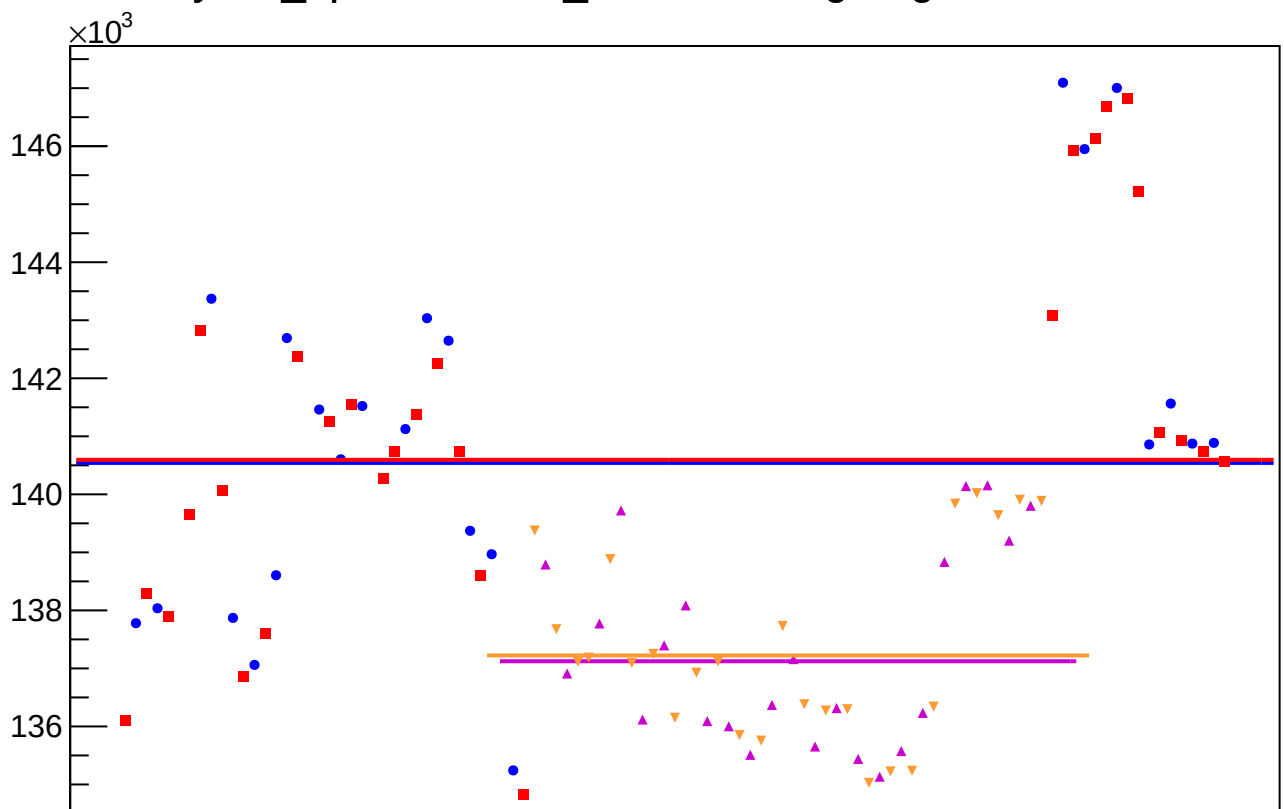
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 158.890+/-0.024 χ^2/NDF: 7733891.5/51

In: 185.439+/-0.025 χ^2/NDF:5334384.4/45

Out: 182.190+/-0.024 χ^2/NDF:6517555.9/53

All: 183.712+/-0.017 χ^2/NDF: 11860844.9/99



Right In: 140541.842+/-0.055 χ^2/NDF: 2807391477.9/22

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140594.813+/-0.052 χ^2/NDF: 3239180335.3/28

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

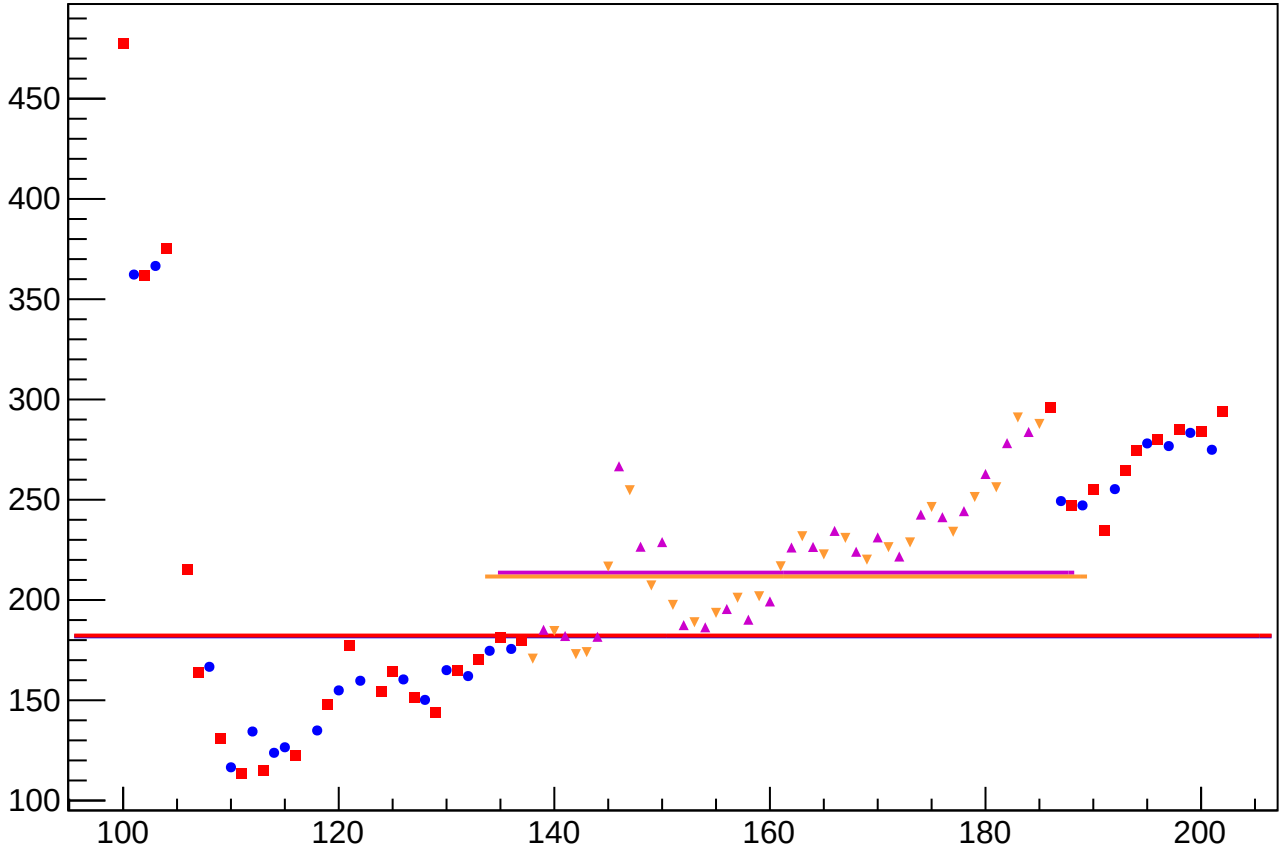
Right: 140570.178+/-0.038 χ^2/NDF: 6047060383.0/

In: 138687.633+/-0.037 χ^2/NDF:5731083048.2/45

Out: 138821.128+/-0.036 χ^2/NDF:6372407751.7/5

All: 138757.880+/-0.026 χ^2/NDF: 12110161

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 181.894+/-0.039 χ^2/NDF: 2384033.3/22

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 182.260+/-0.037 χ^2/NDF: 3312729.6/28

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

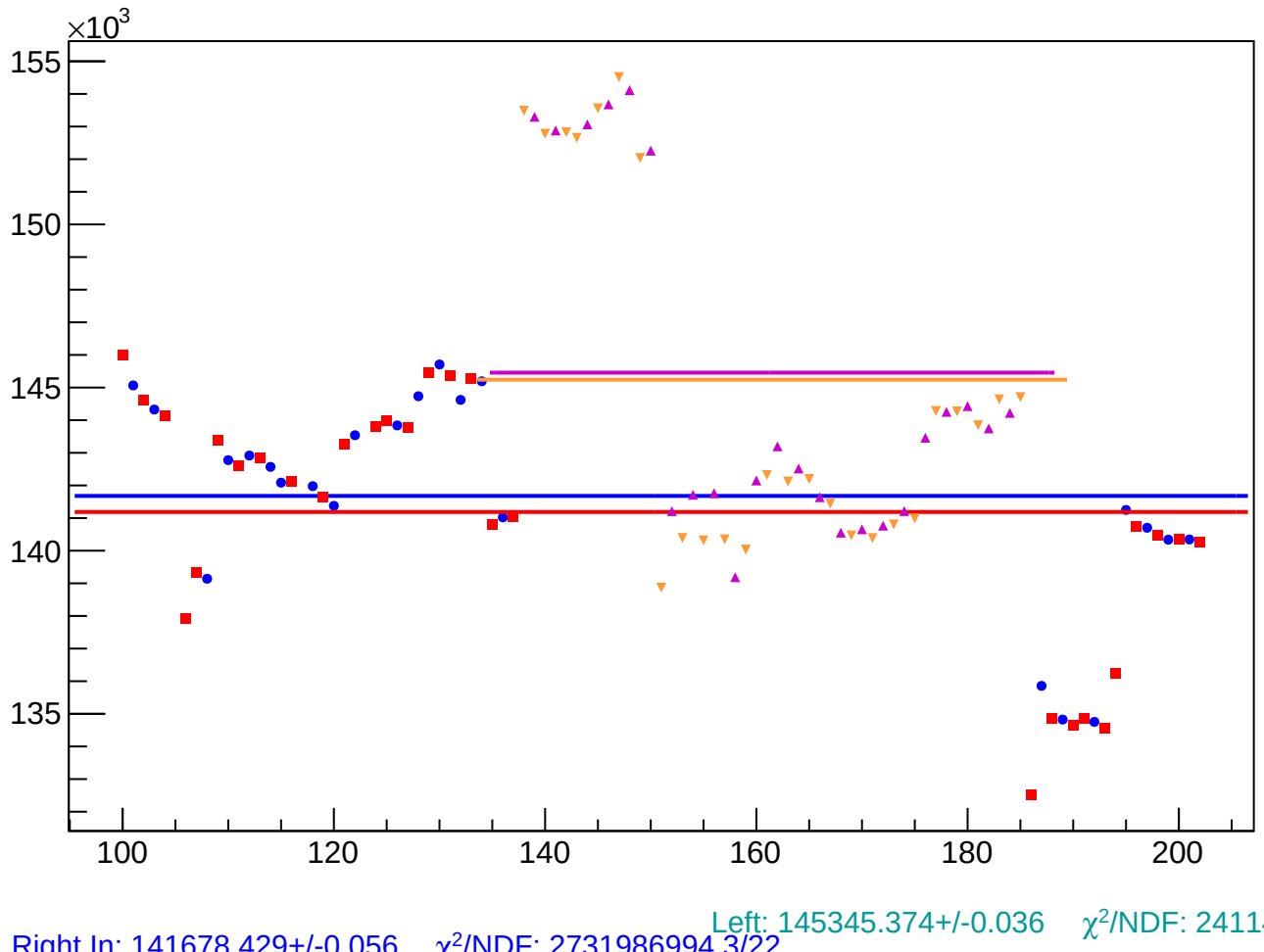
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 182.090+/-0.027 χ^2/NDF: 5696809.3/51

In: 199.115+/-0.027 χ^2/NDF:3361249.9/45

Out: 197.757+/-0.025 χ^2/NDF:4330094.7/53

All: 198.400+/-0.018 χ^2/NDF: 7692725.7/99



Right In: 141678.429+/-0.056 χ^2/NDF: 2731986994.3/22

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141186.001+/-0.051 χ^2/NDF: 4388601951.3/28

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

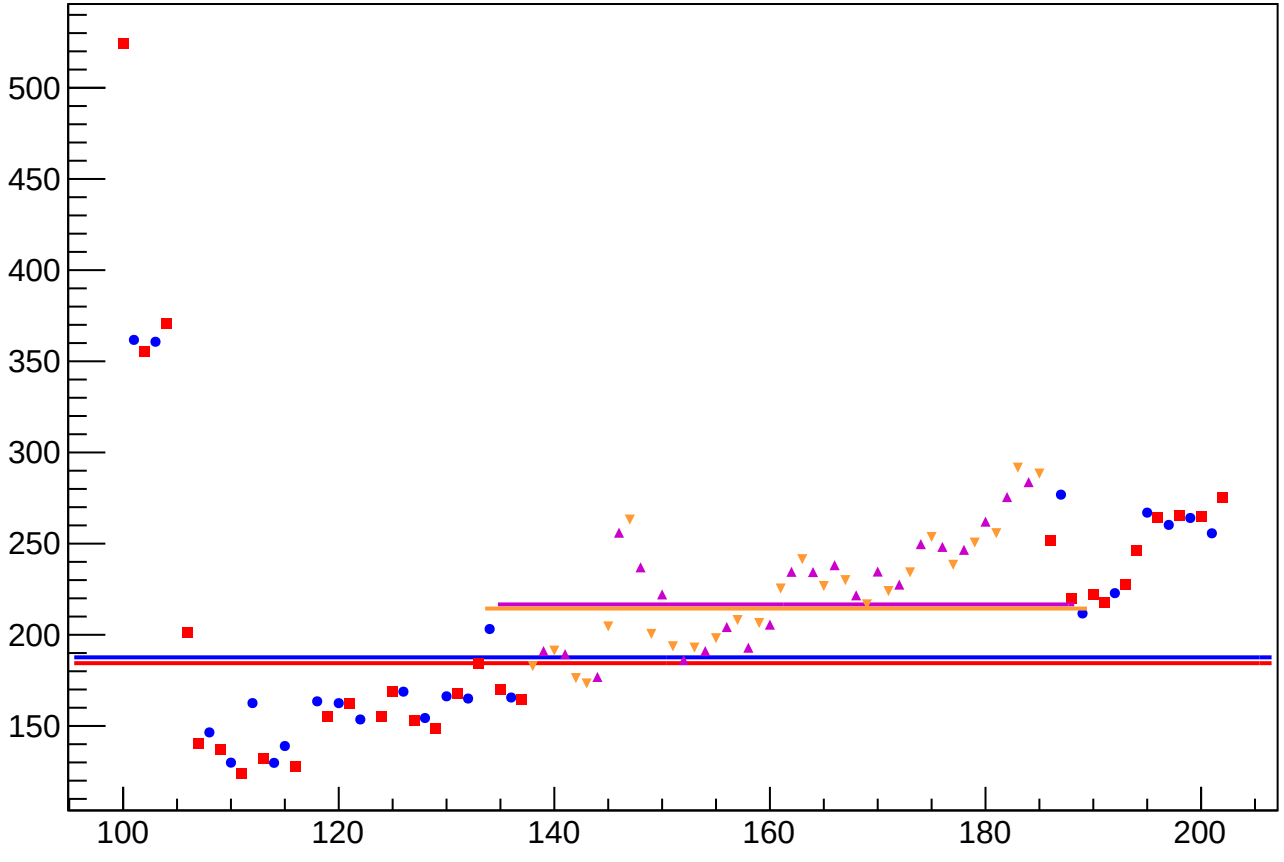
Right: 141409.573+/-0.038 χ^2/NDF: 7162302964.4/

In: 143733.803+/-0.038 χ^2/NDF:16251832141.0/4

Out: 143284.535+/-0.036 χ^2/NDF:20646907667.2

All: 143494.852+/-0.026 χ^2/NDF: 369729162

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 187.636+/-0.040 χ^2/NDF: 1714890.5/22

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 184.444+/-0.036 χ^2/NDF: 2357927.5/28

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

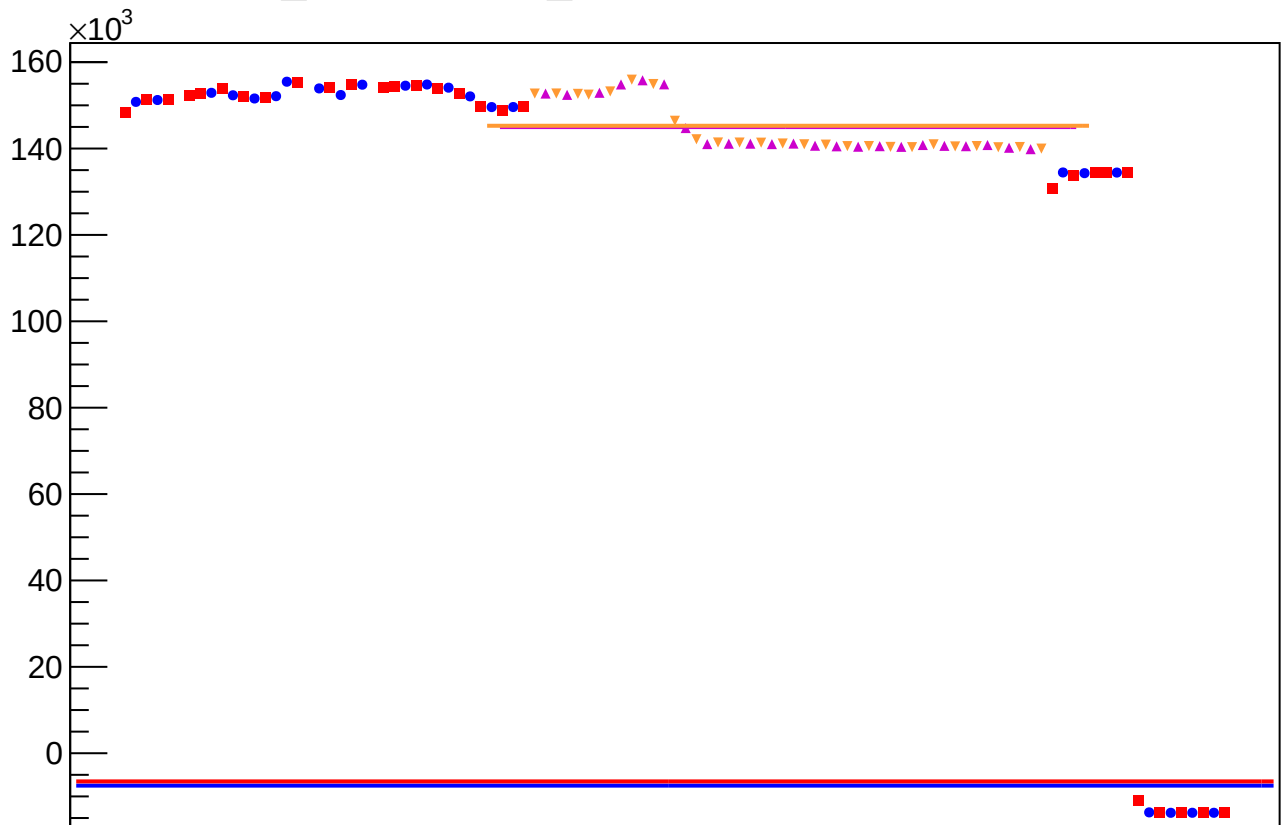
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 185.893+/-0.027 χ^2/NDF: 4076323.0/51

In: 203.422+/-0.027 χ^2/NDF:2590721.0/45

Out: 199.937+/-0.025 χ^2/NDF:3352908.6/53

All: 201.568+/-0.018 χ^2/NDF: 5952554.5/99



Right In: -7497.648+/-0.013 χ^2/NDF: 5754590637550.3/22

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -6521.519+/-0.012 χ^2/NDF: 6992198416884.8/28

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

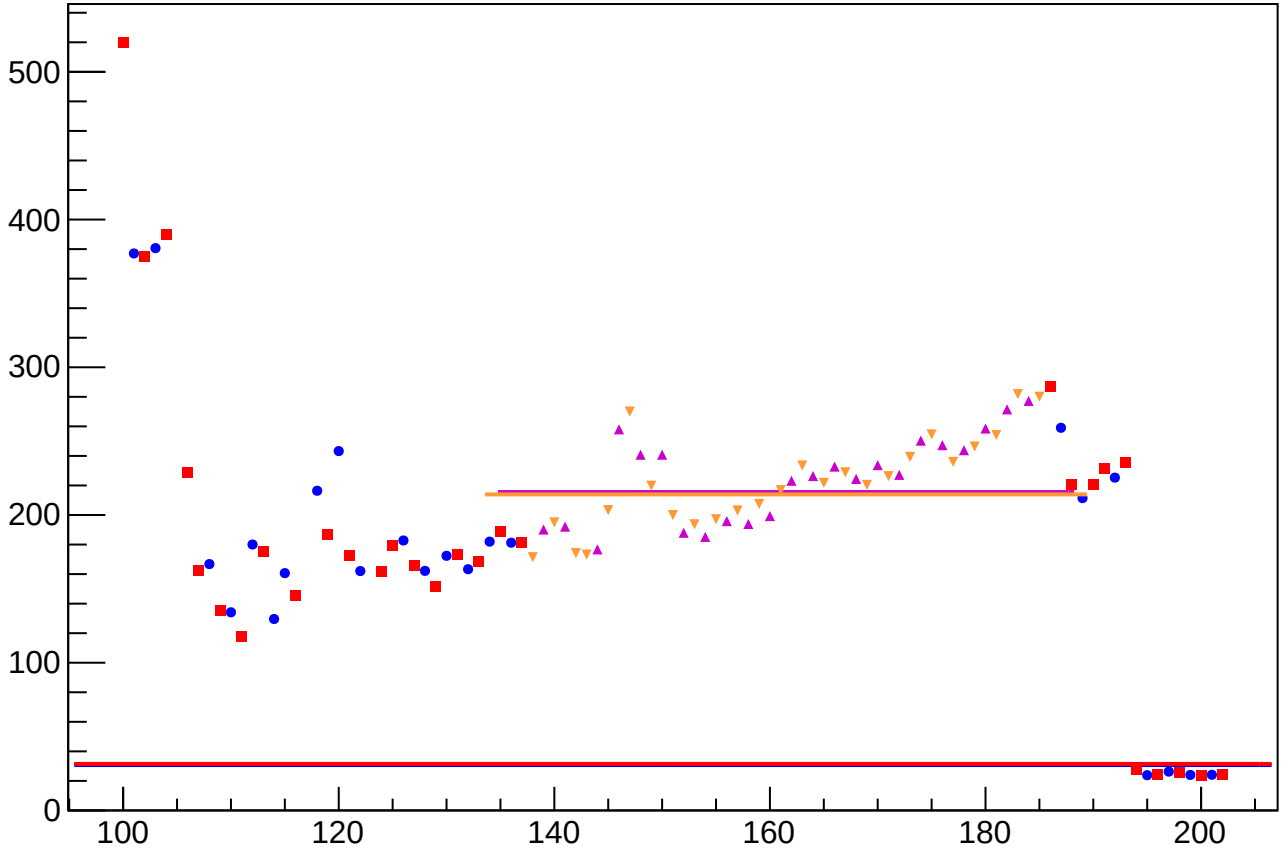
Right: -6985.860+/-0.009 χ^2/NDF: 1274970168511

In: 1863.880+/-0.013 χ^2/NDF:14089266765493.0

Out: 2582.023+/-0.012 χ^2/NDF:15885621128644.

All: 2240.133+/-0.009 χ^2/NDF: 2997656631

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 30.737+/-0.009 χ^2/NDF: 12407289.4/22

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 31.504+/-0.009 χ^2/NDF: 14104825.3/28

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

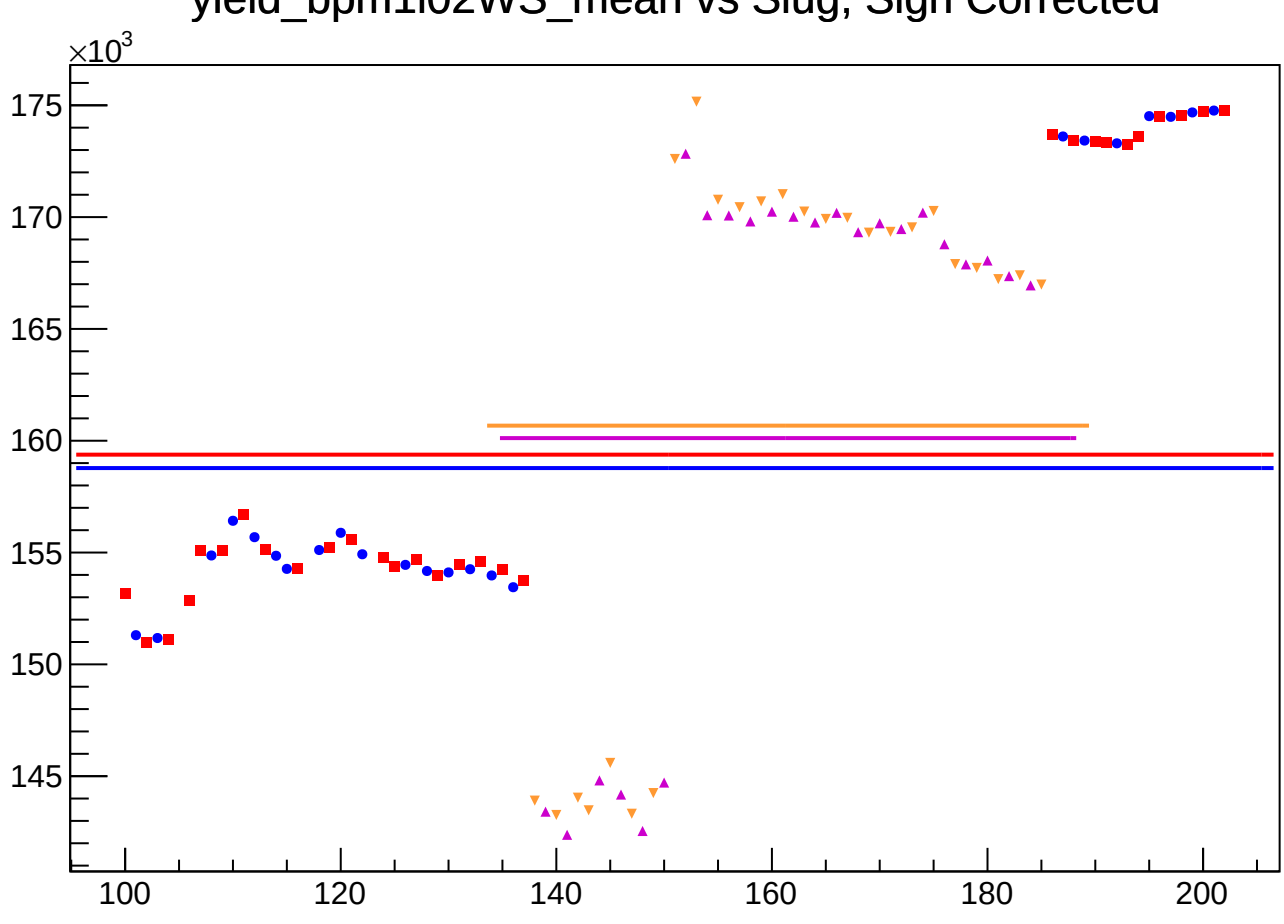
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 31.139+/-0.006 χ^2/NDF: 26515714.2/51

In: 42.084+/-0.009 χ^2/NDF:37459524.2/45

Out: 42.447+/-0.009 χ^2/NDF:40412477.1/53

All: 42.274+/-0.006 χ^2/NDF: 77872855.6/99



Right In: 158777.739+/-0.058 χ^2/NDF: 18802303763.8/22

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 159377.525+/-0.053 χ^2/NDF: 23913618614.0/28

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

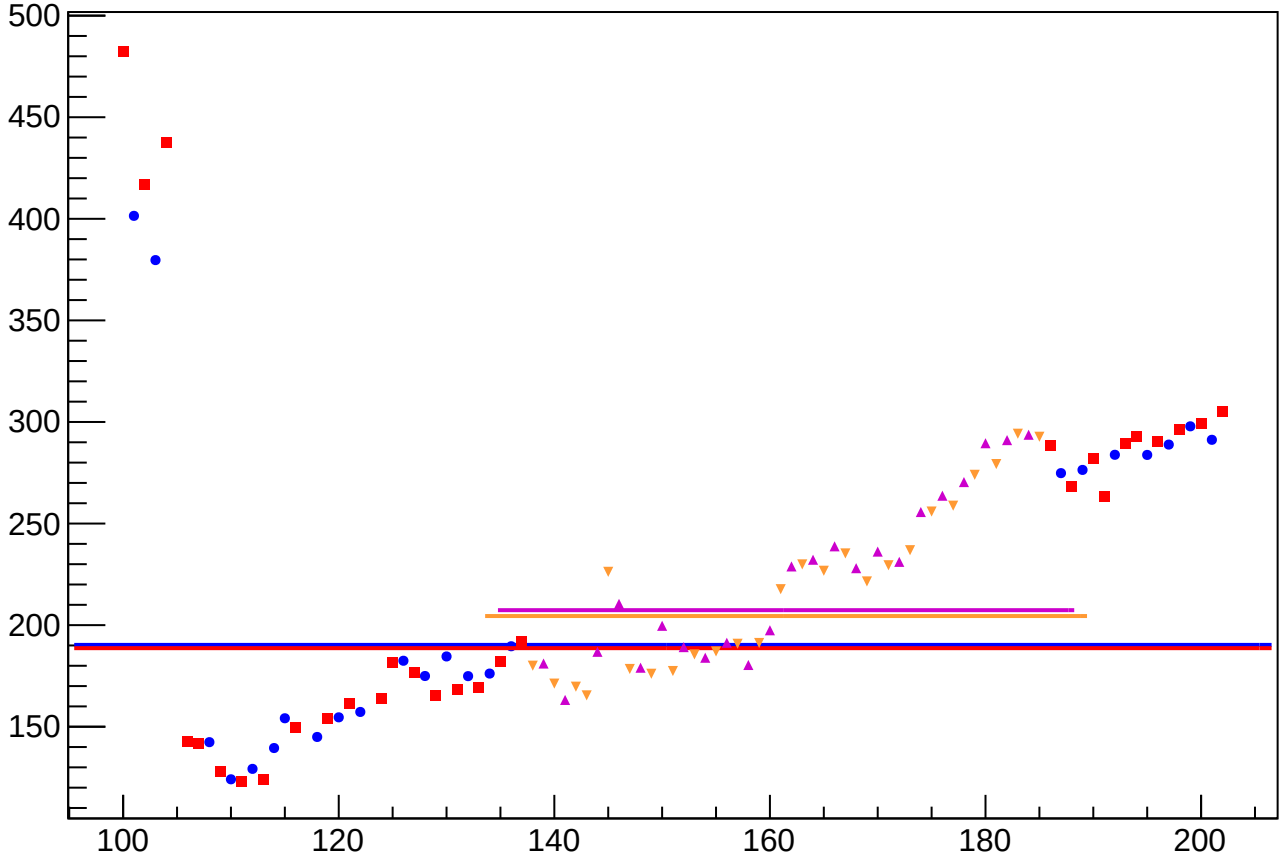
Right: 159103.140+/-0.039 χ^2/NDF: 42773897717.

In: 159554.457+/-0.038 χ^2/NDF:85664600743.7/4

Out: 160101.786+/-0.035 χ^2/NDF:98399742989.7

All: 159844.615+/-0.026 χ^2/NDF: 18417660

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 190.274+/-0.041 χ^2/NDF: 2534207.3/22

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 188.664+/-0.038 χ^2/NDF: 3492579.8/28

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

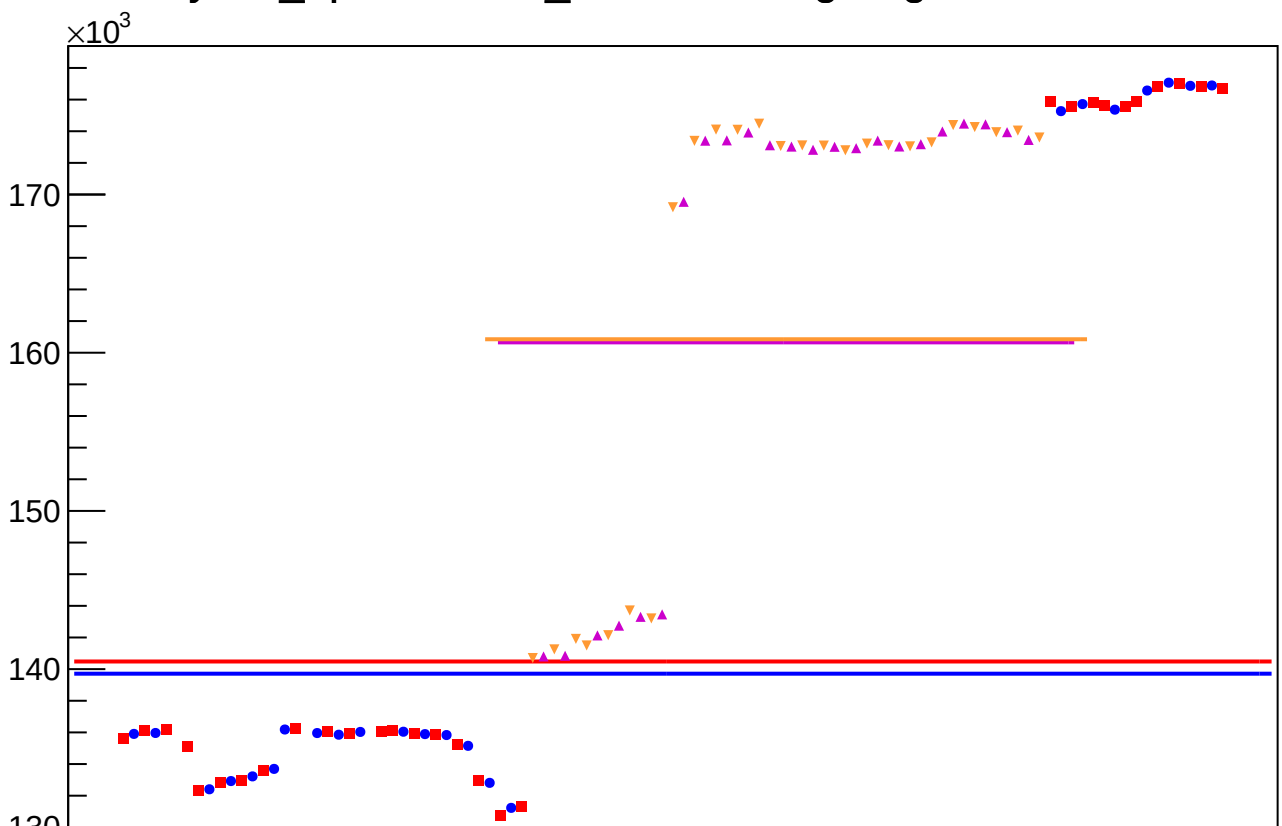
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 189.401+/-0.028 χ^2/NDF: 6027622.3/51

In: 200.185+/-0.027 χ^2/NDF:3591500.8/45

Out: 197.492+/-0.025 χ^2/NDF:4664121.2/53

All: 198.757+/-0.018 χ^2/NDF: 8261056.4/99



Right In: 139711.447+/-0.047 χ^2/NDF: 89781888260.1/22

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 140482.483+/-0.044 χ^2/NDF: 116107620387.5/28

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

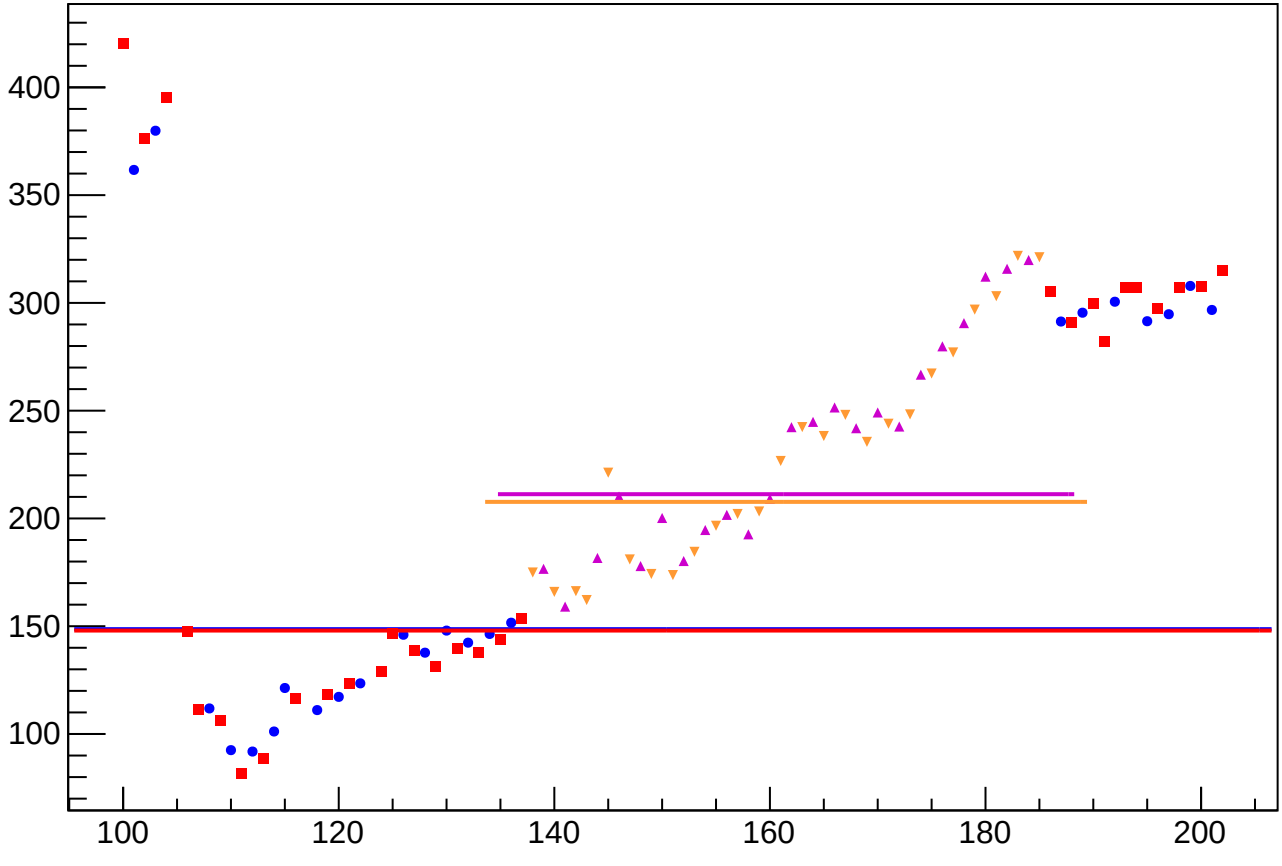
Right: 140123.758+/-0.032 χ^2/NDF: 206030811816

In: 149505.410+/-0.035 χ^2/NDF:271099998309.5

Out: 149748.467+/-0.033 χ^2/NDF:311730473472.

All: 149633.953+/-0.024 χ^2/NDF: 58285658

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 148.636+/-0.034 χ^2/NDF: 4406737.5/22

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 147.989+/-0.031 χ^2/NDF: 5964382.2/28

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

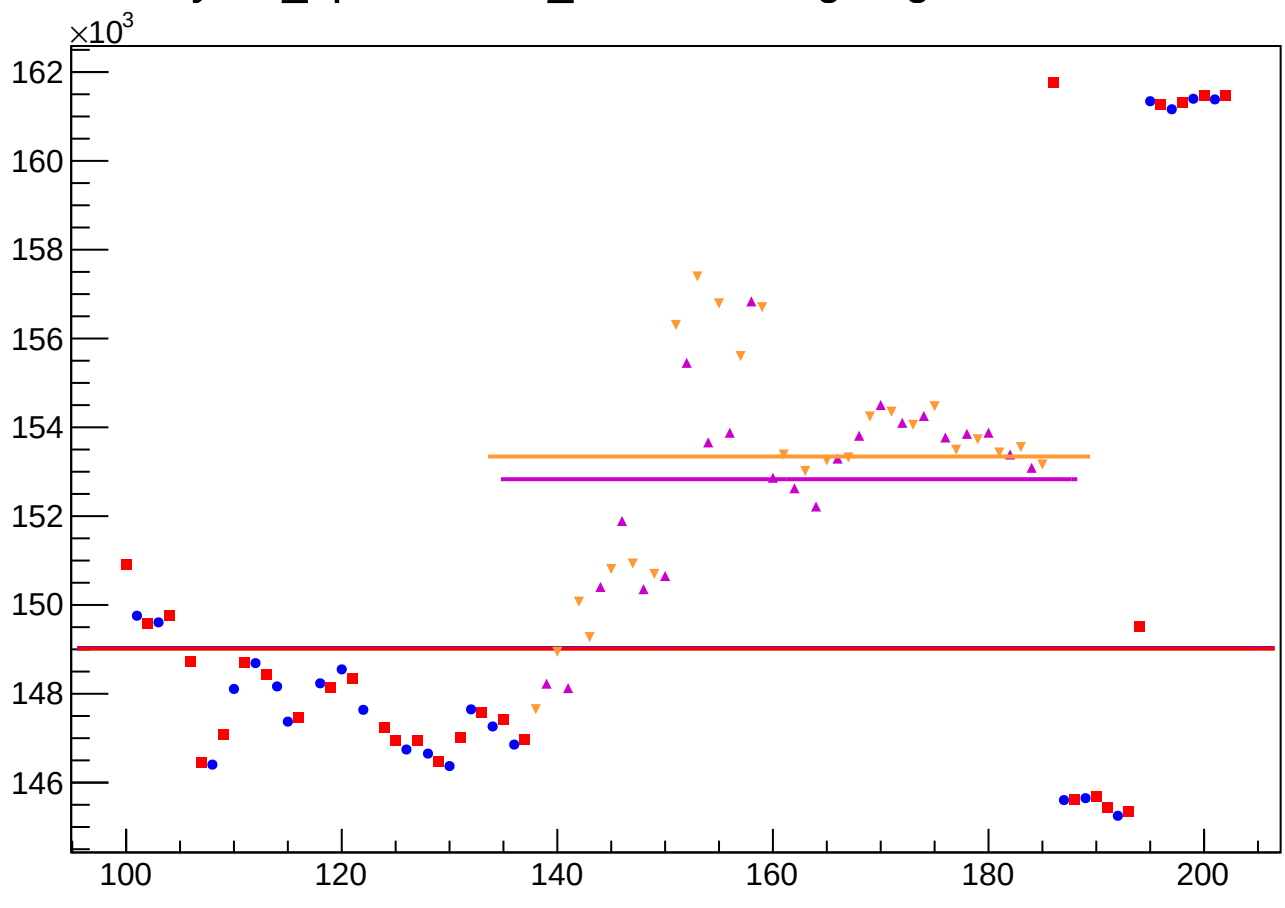
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 148.290+/-0.023 χ^2/NDF: 10371318.6/51

In: 177.920+/-0.024 χ^2/NDF:7342554.9/45

Out: 175.148+/-0.023 χ^2/NDF:9121712.9/53

All: 176.454+/-0.017 χ^2/NDF: 16471054.9/99



Right In: 149028.240+/-0.056 χ^2/NDF: 6604915231.5/22

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149016.612+/-0.052 χ^2/NDF: 7089622188.4/28

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

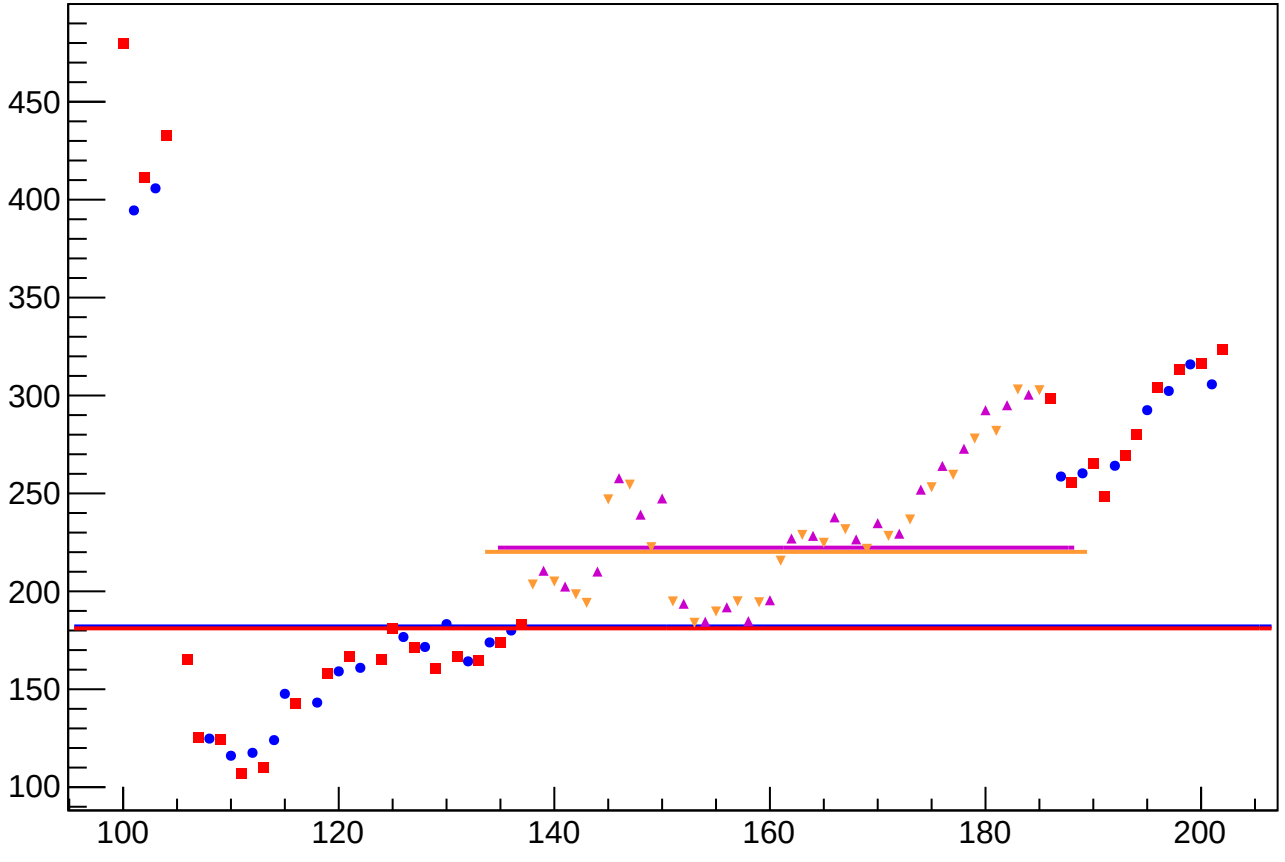
Right: 149021.963+/-0.038 χ^2/NDF: 13694560596.0

In: 151045.669+/-0.038 χ^2/NDF:10955411746.3/4

Out: 151222.448+/-0.036 χ^2/NDF:13622017567.5

All: 151139.211+/-0.026 χ^2/NDF: 24588611

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 182.073+/-0.040 χ^2/NDF: 3000156.8/22

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 181.090+/-0.037 χ^2/NDF: 4016802.1/28

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

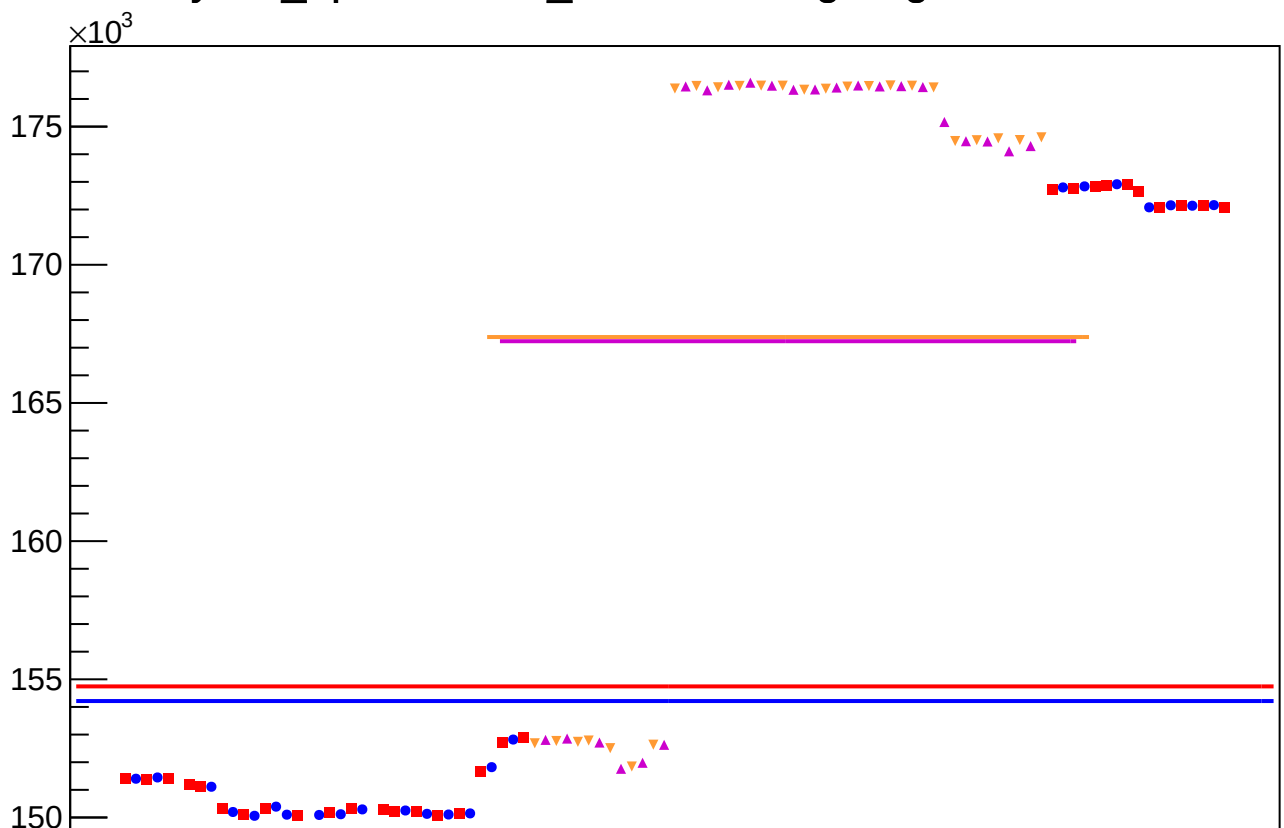
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 181.542+/-0.027 χ^2/NDF: 7017289.8/51

In: 203.414+/-0.027 χ^2/NDF:4242984.6/45

Out: 201.010+/-0.026 χ^2/NDF:5282036.9/53

All: 202.142+/-0.019 χ^2/NDF: 9529155.8/99



Right In: 154213.530+/-0.050 χ^2/NDF: 26907298214.1/22

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 154743.501+/-0.046 χ^2/NDF: 35454072626.1/28

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

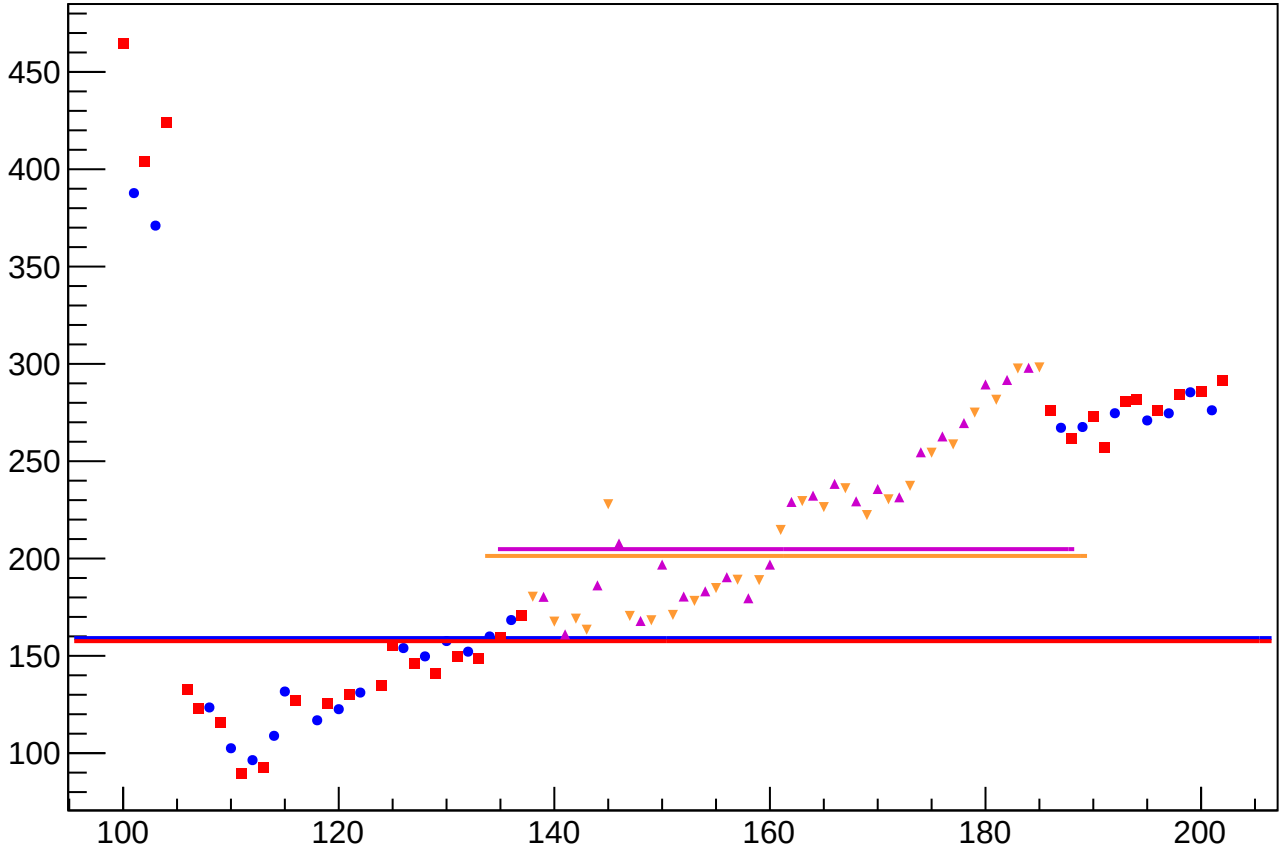
Right: 154500.528+/-0.034 χ^2/NDF: 62422602069.

In: 160851.783+/-0.035 χ^2/NDF:116802651096.5

Out: 160945.146+/-0.033 χ^2/NDF:132337549640.

All: 160901.447+/-0.024 χ^2/NDF: 24914400

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 159.124+/-0.035 χ^2/NDF: 3585779.2/22

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 157.544+/-0.032 χ^2/NDF: 4886041.6/28

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

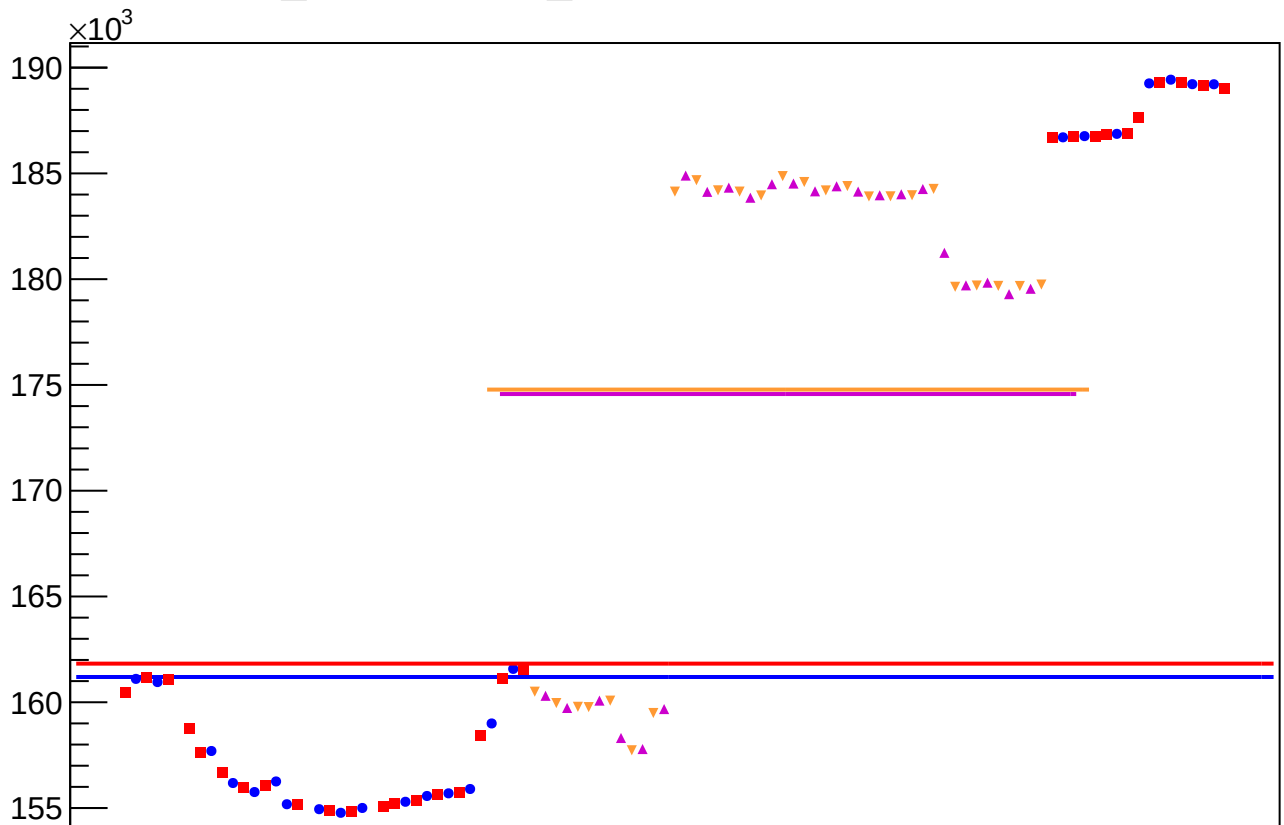
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 158.268+/-0.024 χ^2/NDF: 8472908.6/51

In: 182.424+/-0.025 χ^2/NDF:5496270.4/45

Out: 179.023+/-0.023 χ^2/NDF:7011072.3/53

All: 180.615+/-0.017 χ^2/NDF: 12517447.5/99



Right In: 161194.171+/-0.052 χ^2/NDF: 48066687654.1/22

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 161826.058+/-0.048 χ^2/NDF: 61169834387.3/28

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

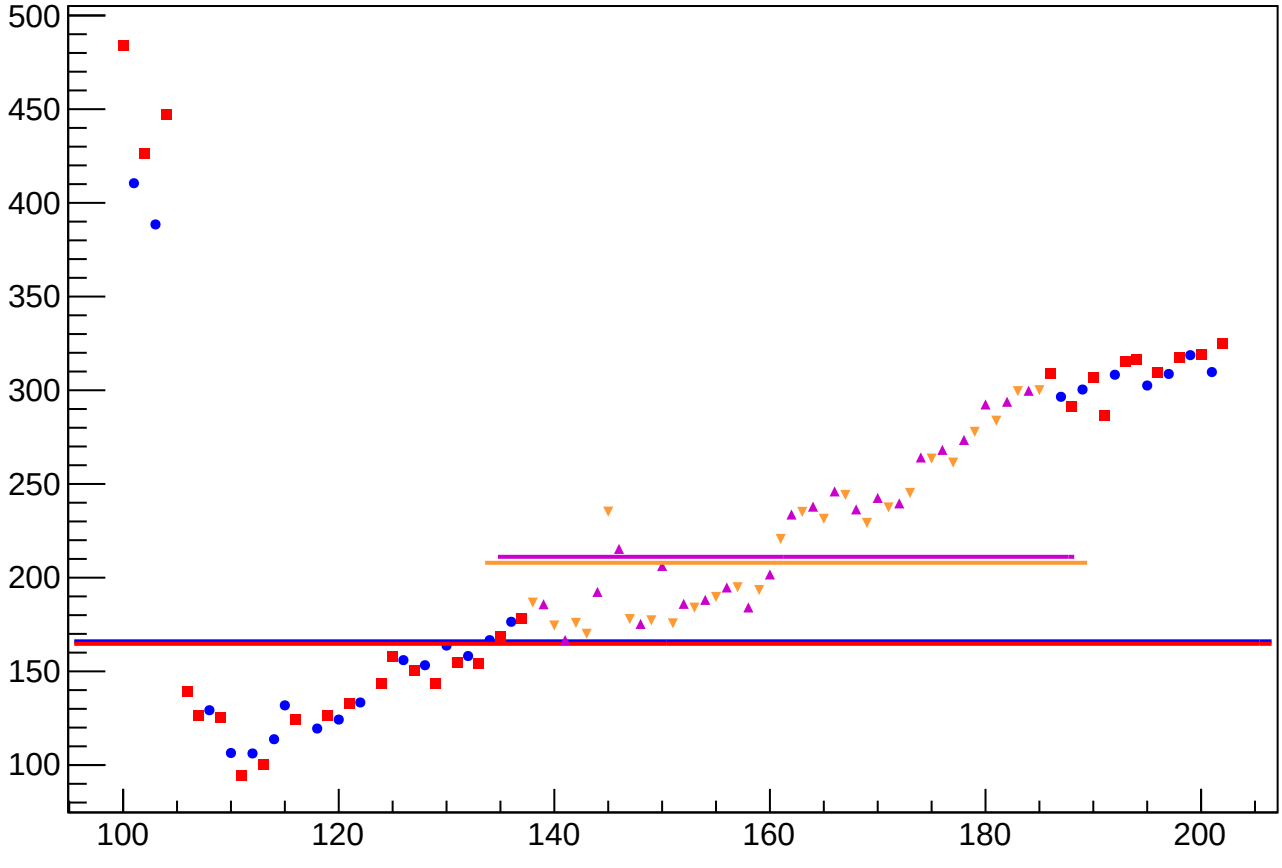
Right: 161535.498+/-0.036 χ^2/NDF: 109314903982

In: 168157.970+/-0.036 χ^2/NDF:136675532248.6

Out: 168329.155+/-0.034 χ^2/NDF:155267948537.

All: 168248.815+/-0.025 χ^2/NDF: 29195527

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 166.030+/-0.037 χ^2/NDF: 3929240.5/22

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 164.693+/-0.034 χ^2/NDF: 5334072.6/28

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

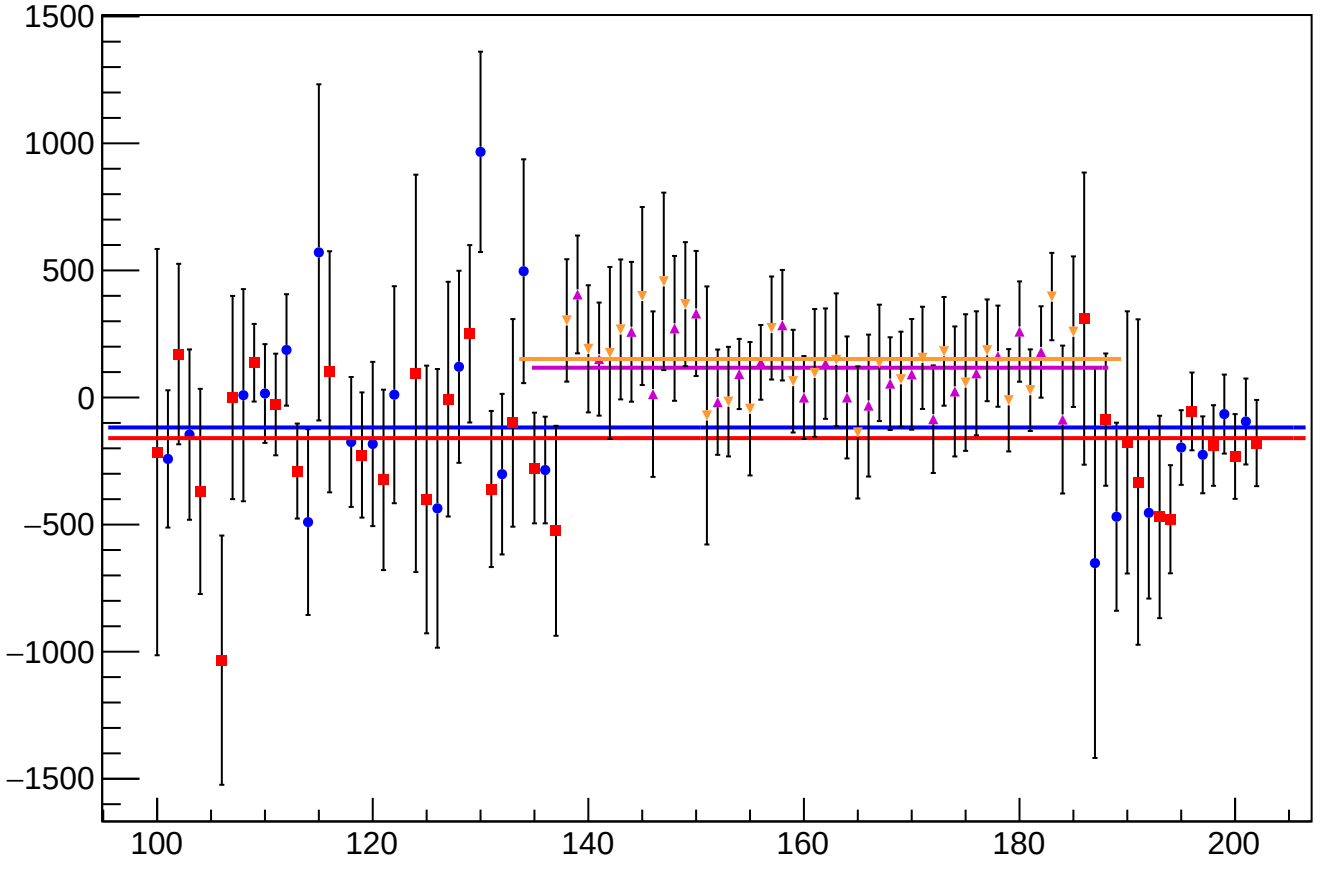
Right: 165.308+/-0.025 χ^2/NDF: 9264014.7/51

In: 189.512+/-0.026 χ^2/NDF:5692770.7/45

Out: 186.402+/-0.024 χ^2/NDF:7267827.2/53

All: 187.862+/-0.018 χ^2/NDF: 12968377.4/99

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -117.874+/-53.096 χ^2/NDF: 19.6/22

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -159.789+/-48.872 χ^2/NDF: 17.5/28

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

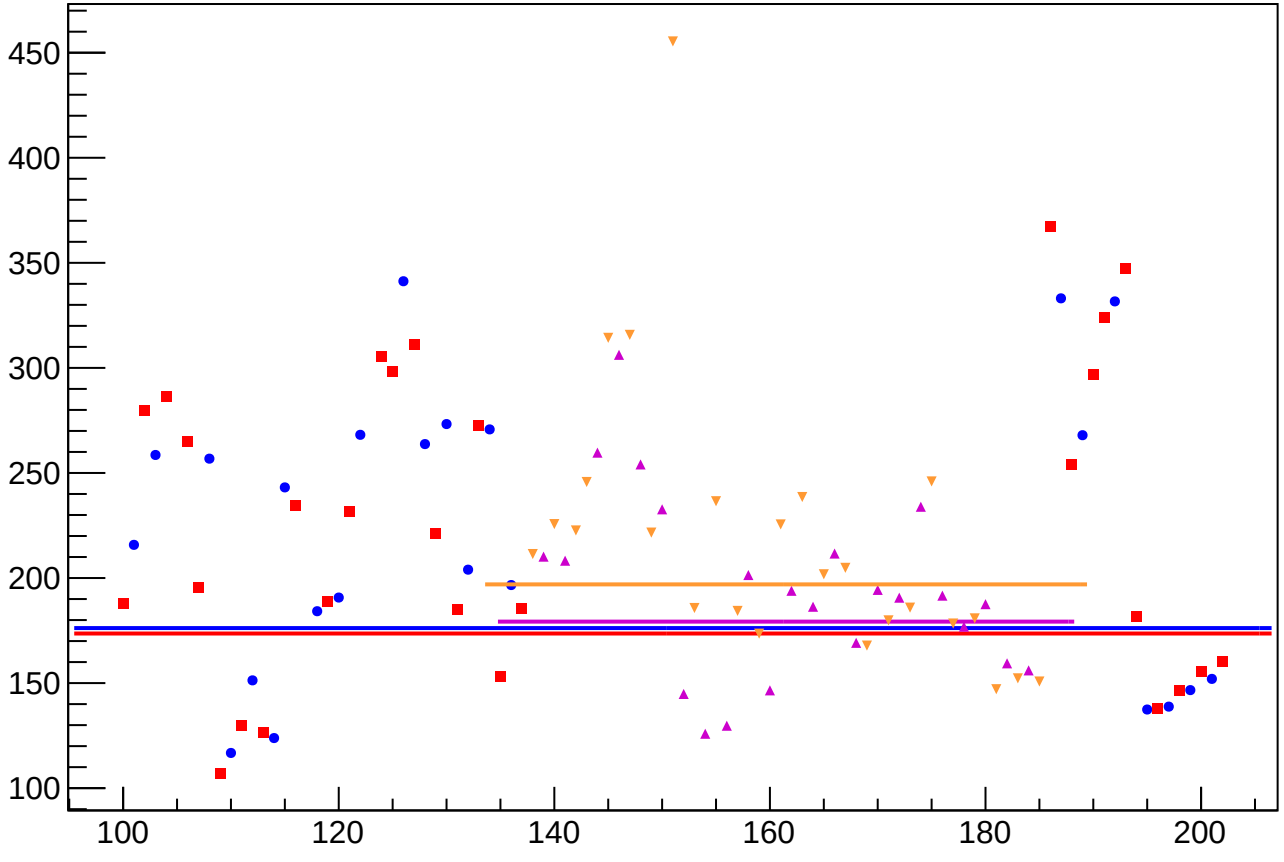
Right: -140.565+/-35.958 χ^2/NDF: 37.4/51

In: 22.044+/-33.777 χ^2/NDF:38.7/45

Out: 3.915+/-33.657 χ^2/NDF:48.4/53

All: 12.947+/-23.842 χ^2/NDF: 87.2/99

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 176.181+/-0.038 χ^2/NDF: 2154863.1/22

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.596+/-0.035 χ^2/NDF: 2860999.6/28

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

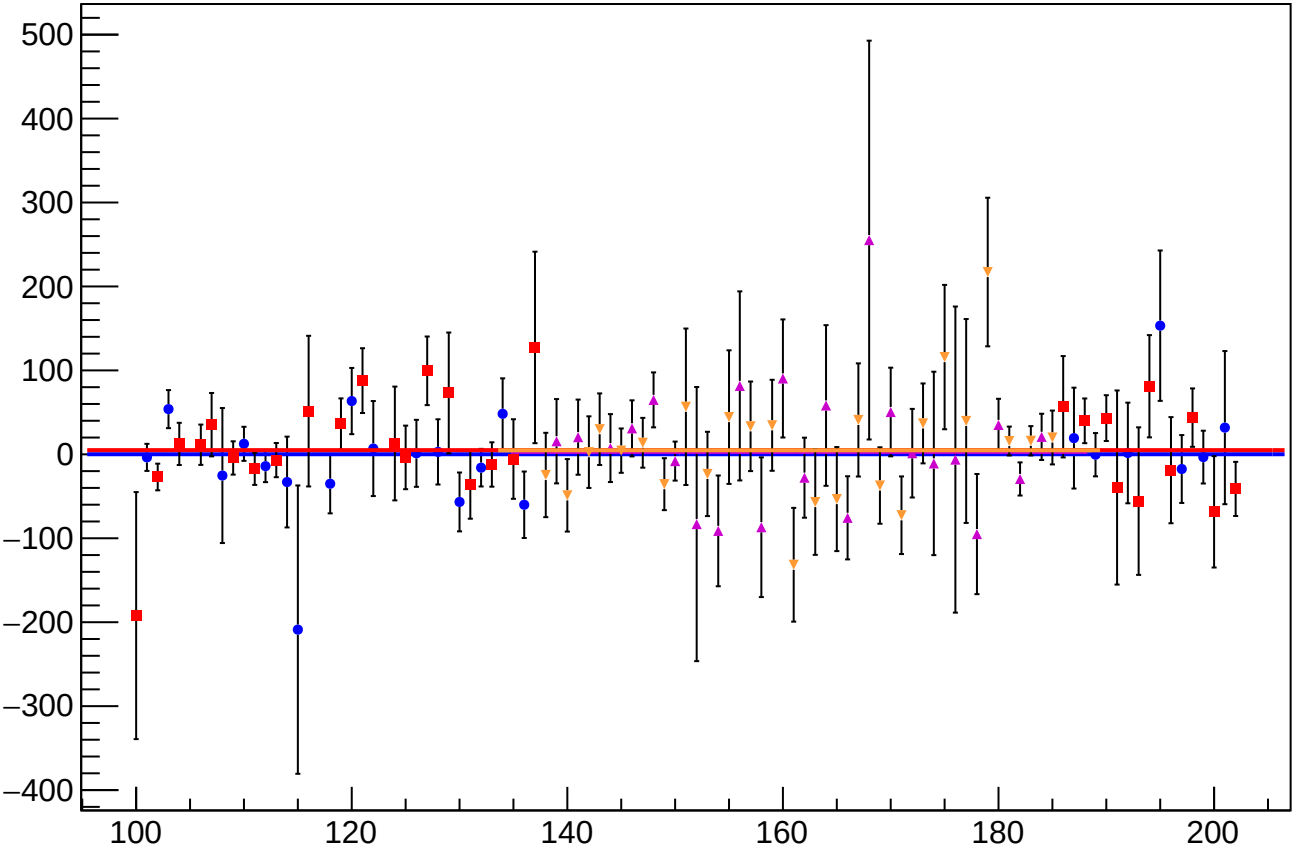
Right: 174.782+/-0.025 χ^2/NDF: 5018429.2/51

In: 178.012+/-0.024 χ^2/NDF:3814878.5/45

Out: 185.887+/-0.024 χ^2/NDF:4910918.6/53

All: 181.964+/-0.017 χ^2/NDF: 8780355.4/99

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: 0.109+/-6.668 χ^2/NDF: 22.2/22

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 5.007+/-6.019 χ^2/NDF: 34.7/28

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

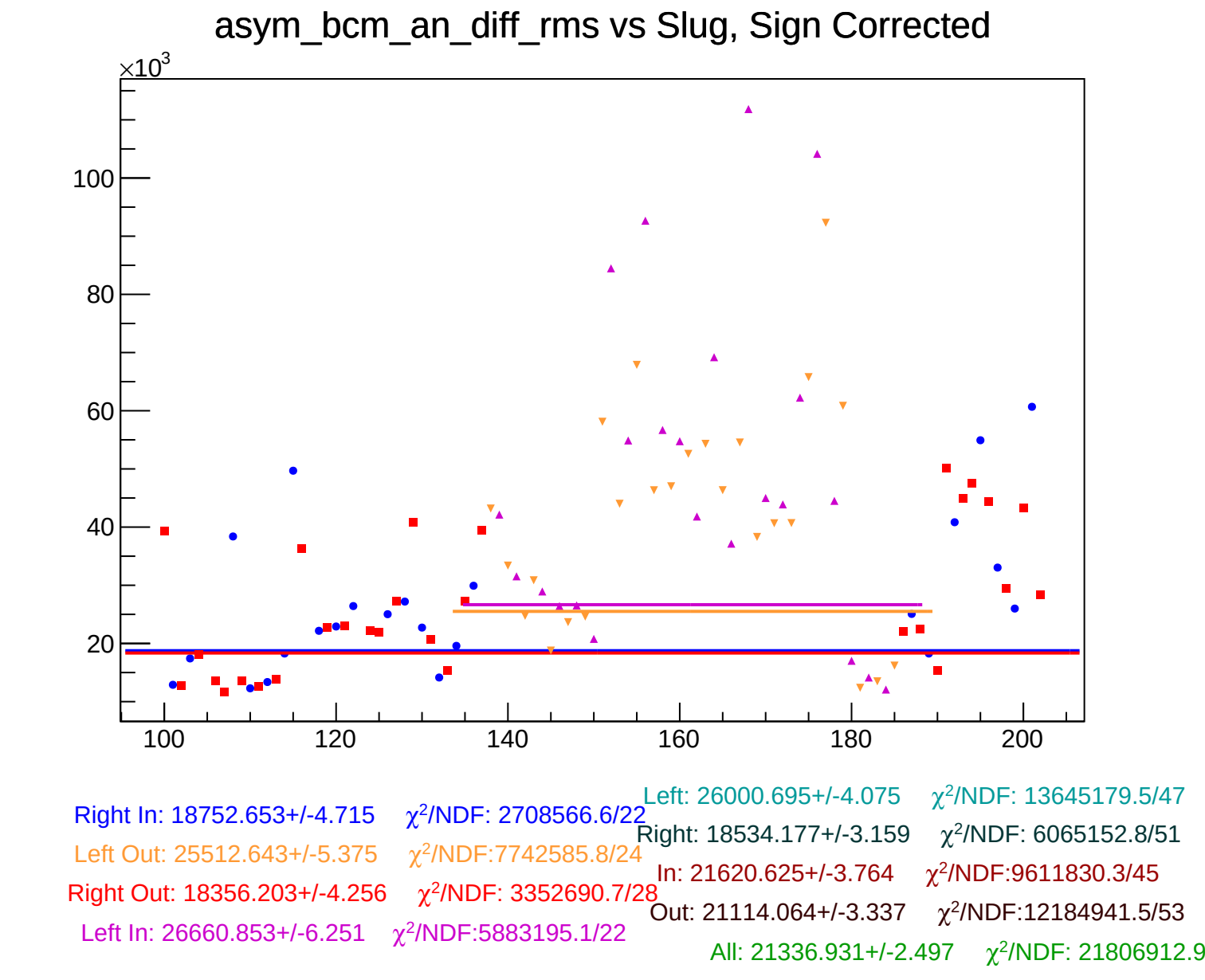
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 2.808+/-4.468 χ^2/NDF: 57.2/51

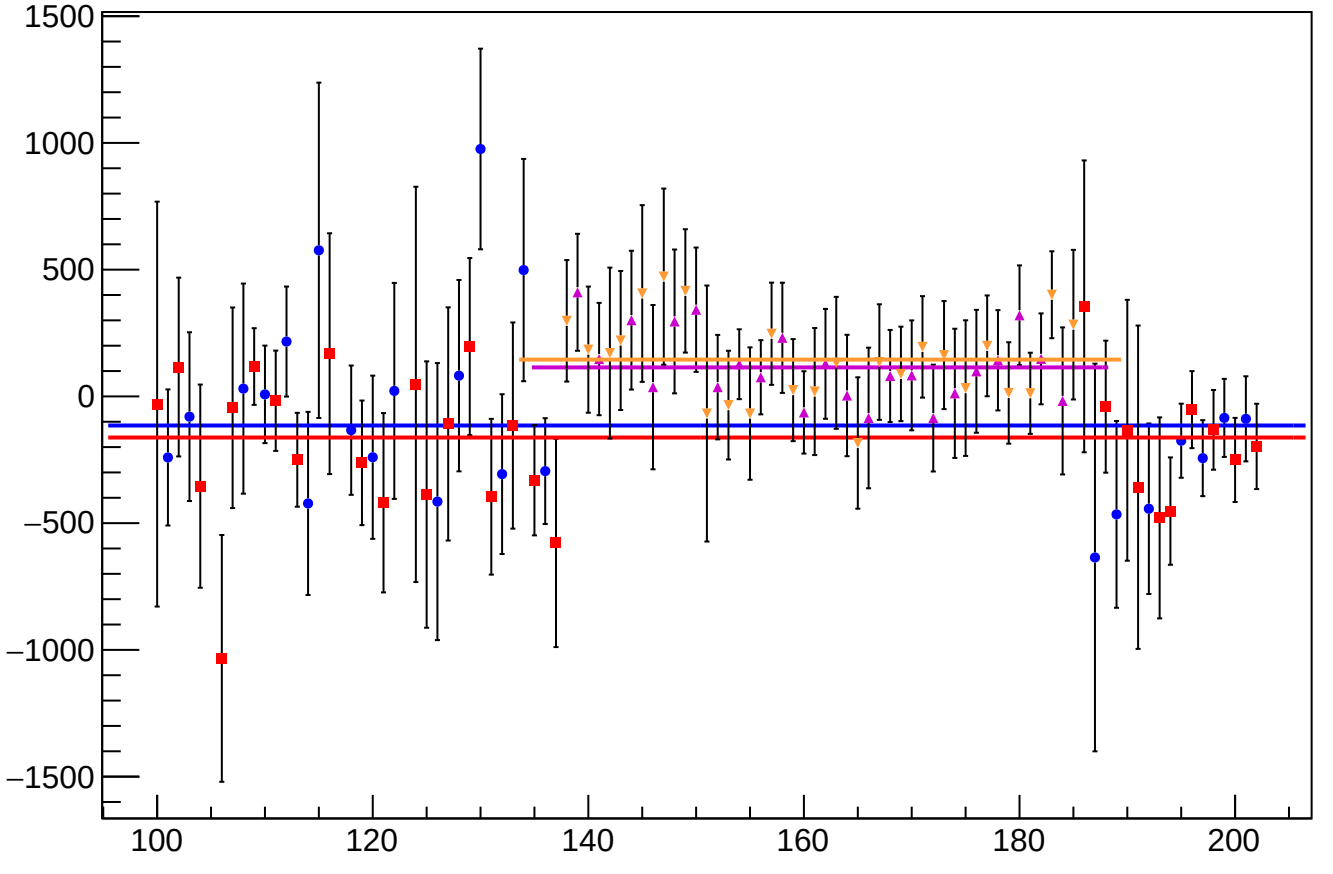
In: 1.128+/-5.324 χ^2/NDF:43.8/45

Out: 4.928+/-4.719 χ^2/NDF:59.0/53

All: 3.256+/-3.531 χ^2/NDF: 103.1/99


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
120
140
160
180
200
Right In: 18752.653+/-4.715 χ²/NDF: 2708566.6/22
Left Out: 25512.643+/-5.375 χ²/NDF:7742585.8/24
Right Out: 18356.203+/-4.256 χ²/NDF: 3352690.7/28
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 18534.177+/-3.159 χ²/NDF: 6065152.8/51
In: 21620.625+/-3.764 χ²/NDF:9611830.3/45
Out: 21114.064+/-3.337 χ²/NDF:12184941.5/53
All: 21336.931+/-2.497 χ²/NDF: 21806912.9

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -114.815+/-52.750 χ^2/NDF: 19.7/22

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -162.218+/-48.579 χ^2/NDF: 17.6/28

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

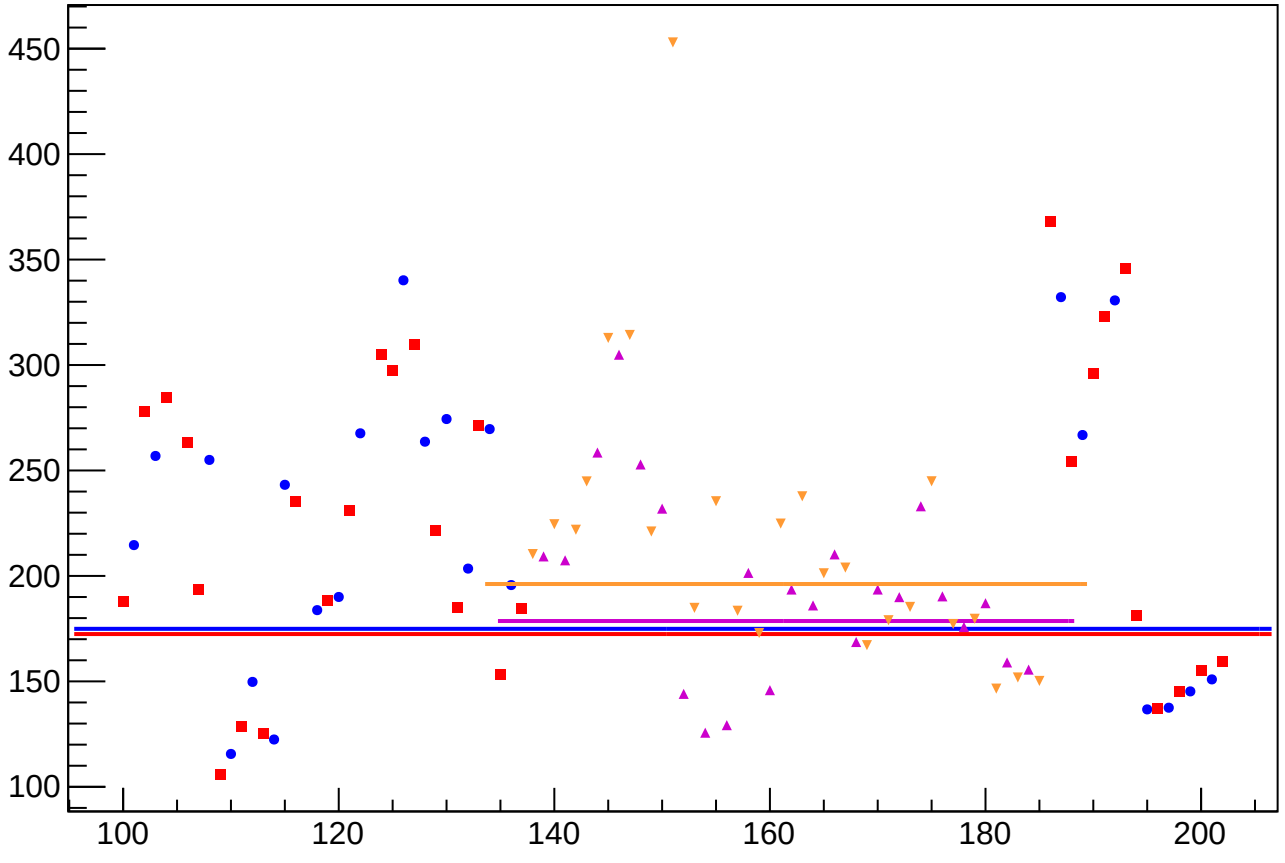
Right: -140.464+/-35.734 χ^2/NDF: 37.7/51

In: 21.317+/-33.615 χ^2/NDF:39.3/45

Out: -0.897+/-33.487 χ^2/NDF:49.8/53

All: 10.168+/-23.724 χ^2/NDF: 89.3/99

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 174.918+/-0.037 χ^2/NDF: 2185223.4/22

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 172.436+/-0.034 χ^2/NDF: 2898029.7/28

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

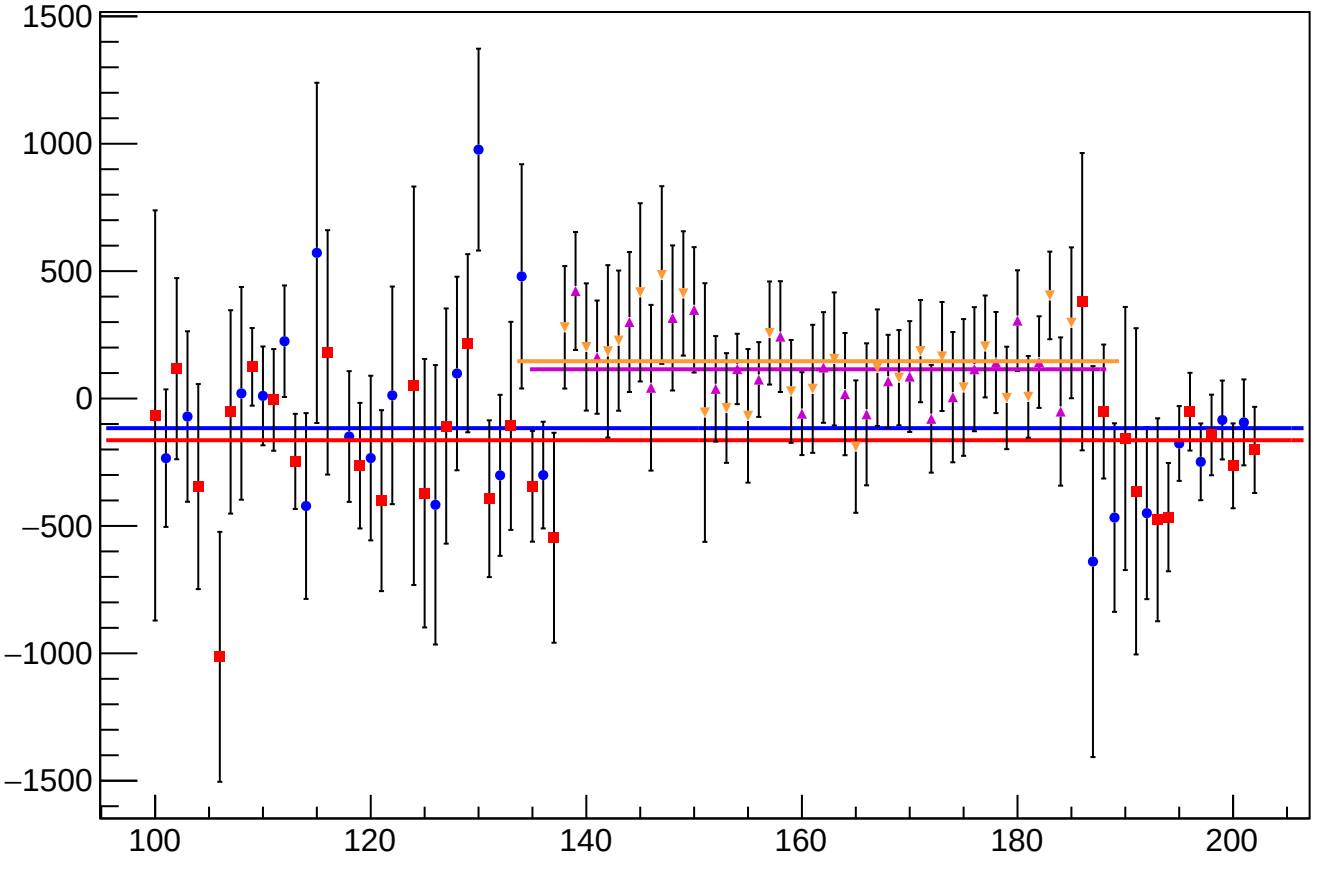
Right: 173.575+/-0.025 χ^2/NDF: 5085648.8/51

In: 177.117+/-0.024 χ^2/NDF:3842950.0/45

Out: 184.889+/-0.024 χ^2/NDF:4955347.3/53

All: 181.018+/-0.017 χ^2/NDF: 8851962.8/99

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -116.252+/-53.022 χ^2/NDF: 19.7/22

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -163.659+/-48.832 χ^2/NDF: 17.8/28

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

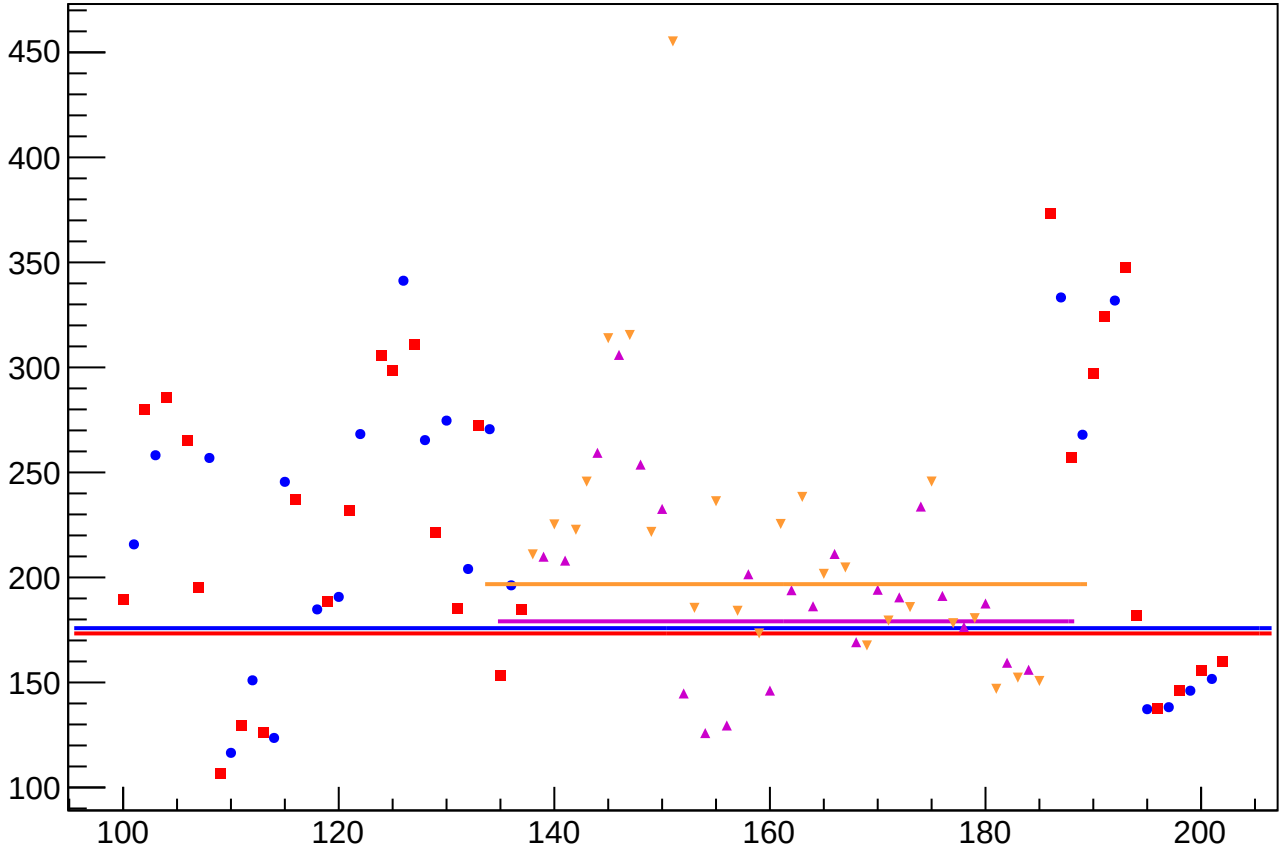
Right: -141.902+/-35.919 χ^2/NDF: 37.9/51

In: 21.238+/-33.741 χ^2/NDF:39.4/45

Out: -0.636+/-33.629 χ^2/NDF:50.4/53

All: 10.264+/-23.819 χ^2/NDF: 90.0/99

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 175.856+/-0.037 χ^2/NDF: 2175319.5/22

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 173.344+/-0.035 χ^2/NDF: 2894351.5/28

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

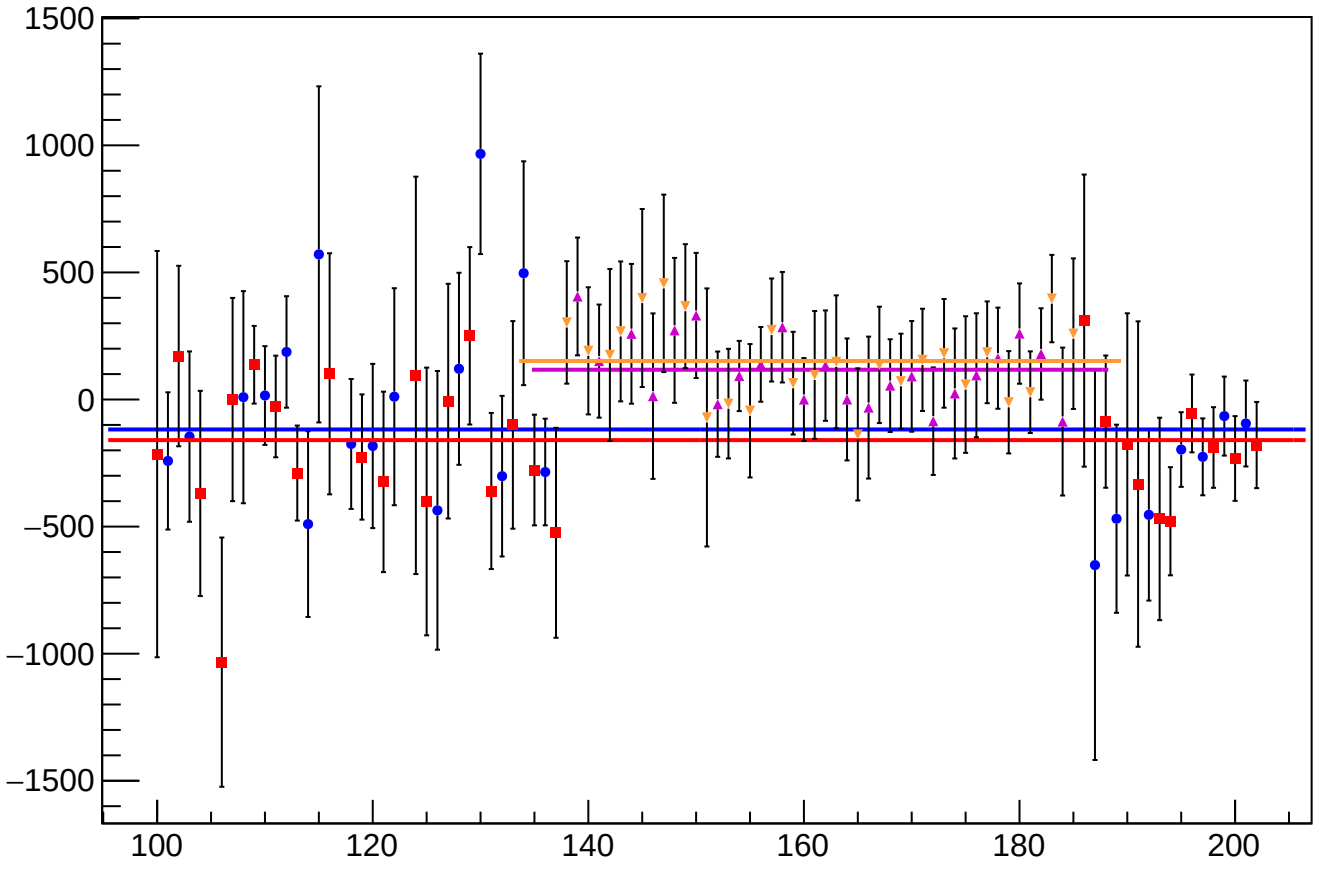
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 174.497+/-0.025 χ^2/NDF: 5072100.2/51

In: 177.787+/-0.024 χ^2/NDF:3835643.3/45

Out: 185.679+/-0.024 χ^2/NDF:4945687.7/53

All: 181.746+/-0.017 χ^2/NDF: 8836221.0/99



Right In: -117.874+/-53.096 χ^2/NDF: 19.6/22

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -159.789+/-48.872 χ^2/NDF: 17.5/28

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

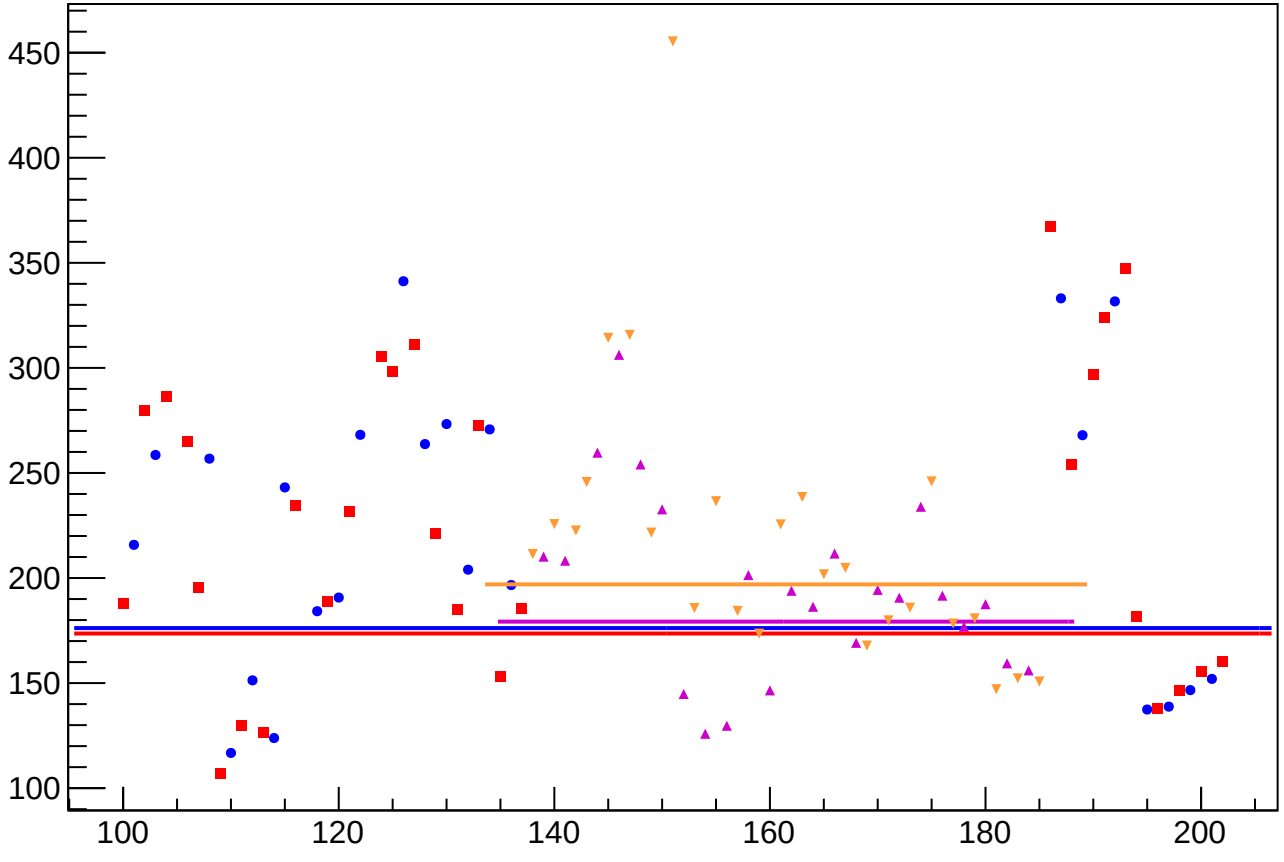
Right: -140.565+/-35.958 χ^2/NDF: 37.4/51

In: 22.044+/-33.777 χ^2/NDF:38.7/45

Out: 3.915+/-33.657 χ^2/NDF:48.4/53

All: 12.947+/-23.842 χ^2/NDF: 87.2/99

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 176.181+/-0.038 χ^2/NDF: 2154863.1/22

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.596+/-0.035 χ^2/NDF: 2860999.6/28

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

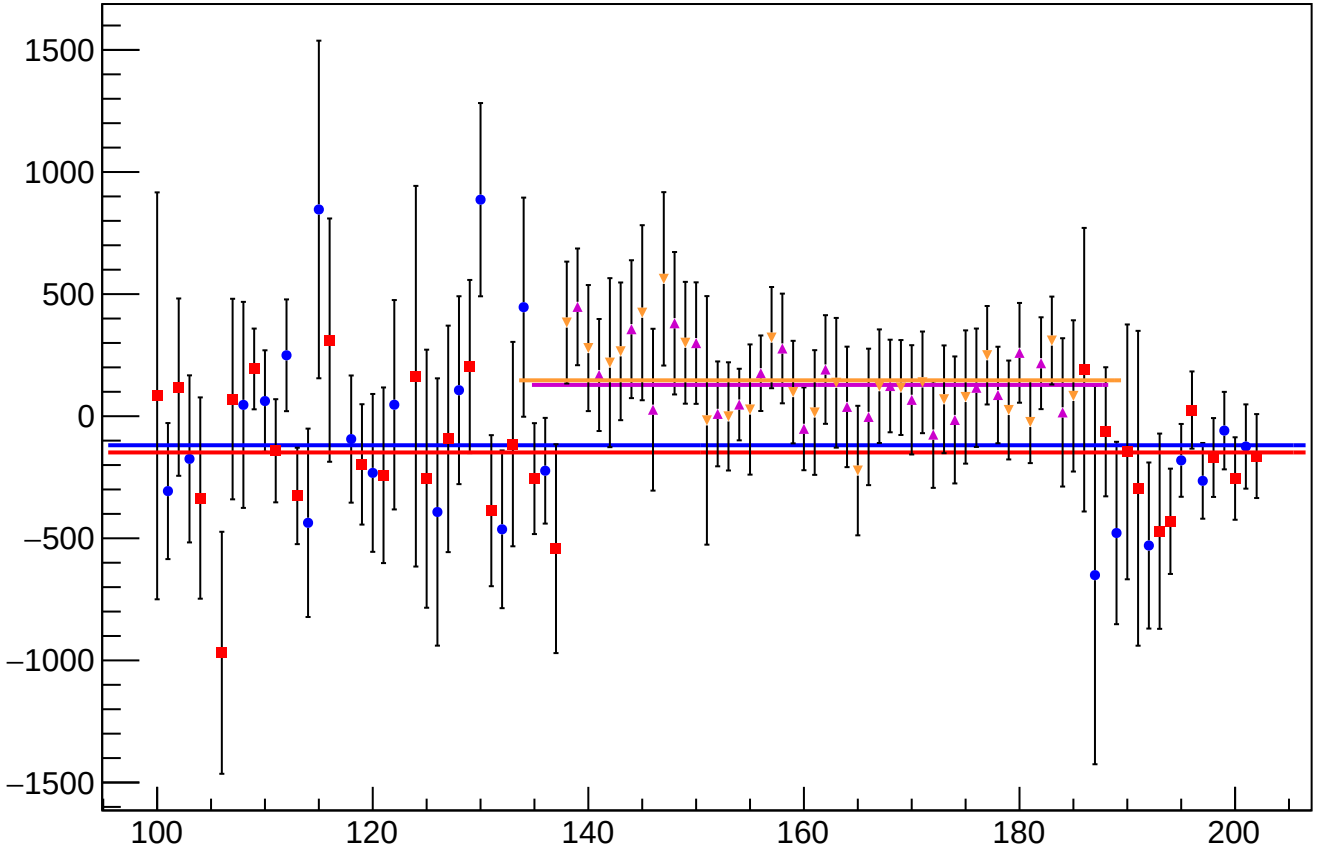
Right: 174.782+/-0.025 χ^2/NDF: 5018429.2/51

In: 178.012+/-0.024 χ^2/NDF:3814878.5/45

Out: 185.887+/-0.024 χ^2/NDF:4910918.6/53

All: 181.964+/-0.017 χ^2/NDF: 8780355.4/99

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -118.923+/-54.427 χ^2/NDF: 21.0/22

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -148.412+/-50.311 χ^2/NDF: 17.3/28

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

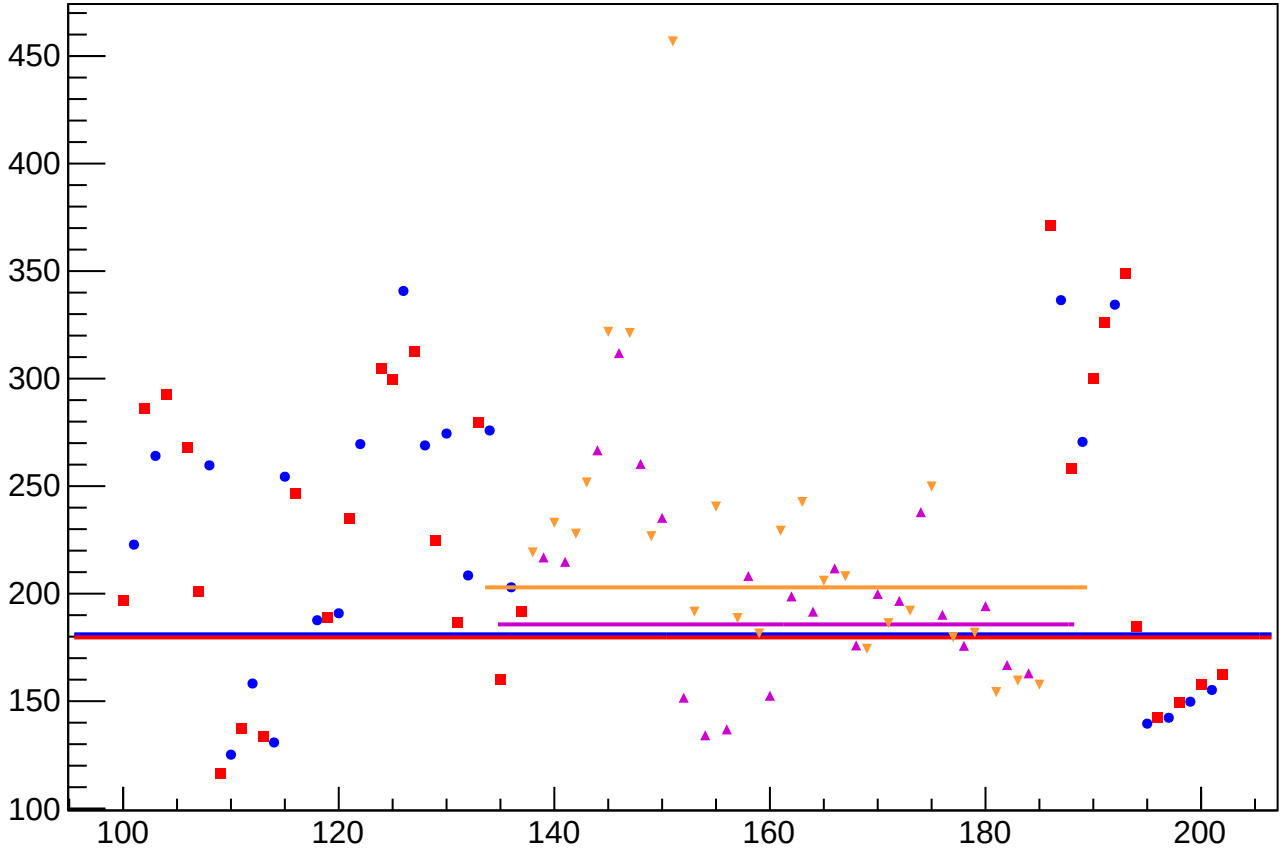
Right: -134.825+/-36.945 χ^2/NDF: 38.4/51

In: 27.308+/-34.773 χ^2/NDF:41.7/45

Out: 7.118+/-34.619 χ^2/NDF:45.6/53

All: 17.168+/-24.533 χ^2/NDF: 87.5/99

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 181.082+/-0.038 χ^2/NDF: 2056670.4/22

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 179.643+/-0.036 χ^2/NDF: 2640658.3/28

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

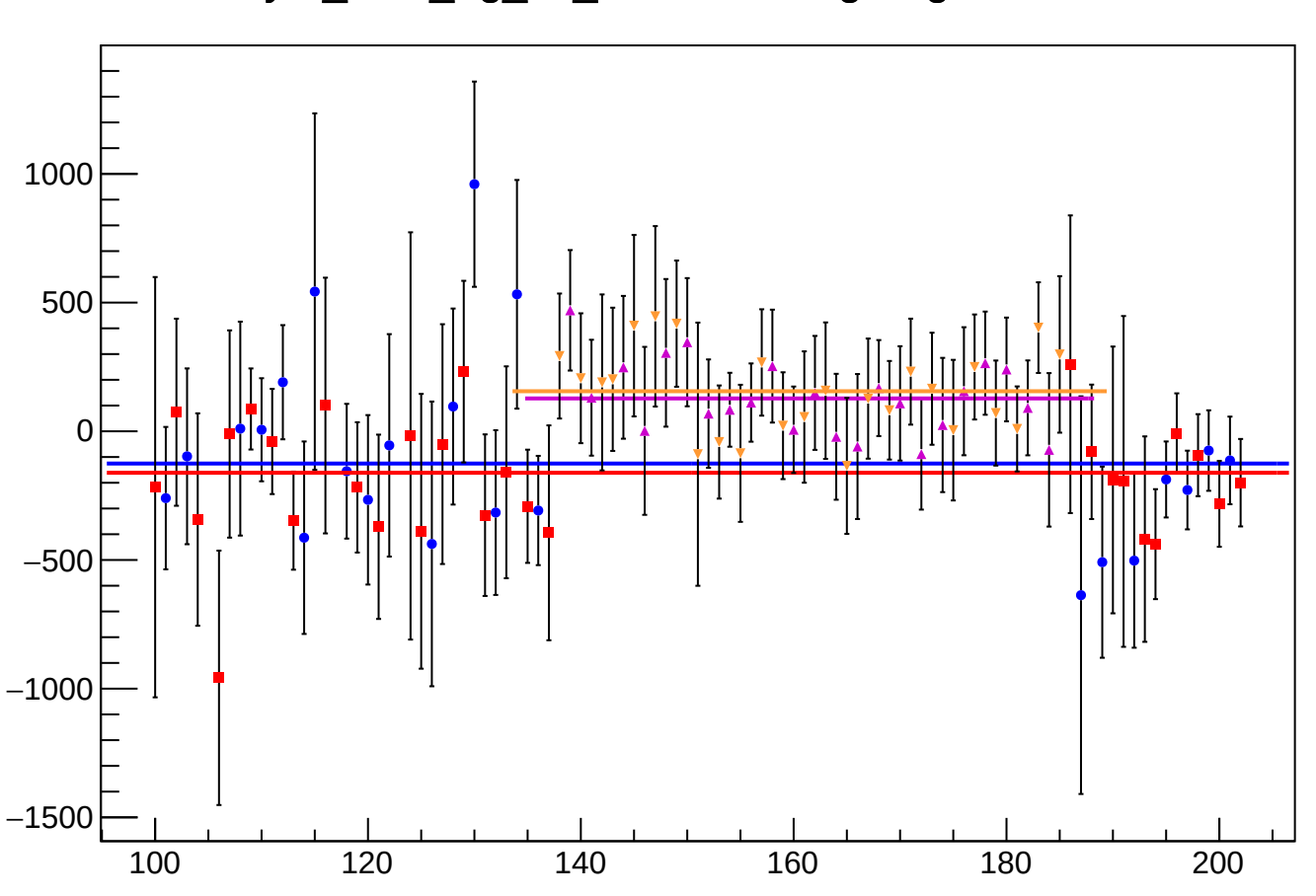
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 180.306+/-0.026 χ^2/NDF: 4698083.2/51

In: 183.825+/-0.025 χ^2/NDF:3554736.5/45

Out: 191.899+/-0.024 χ^2/NDF:4566197.8/53

All: 187.880+/-0.017 χ^2/NDF: 8175094.0/99



Right In: -125.300+/-53.737 χ^2/NDF: 19.4/22

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -161.166+/-49.492 χ^2/NDF: 14.7/28

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

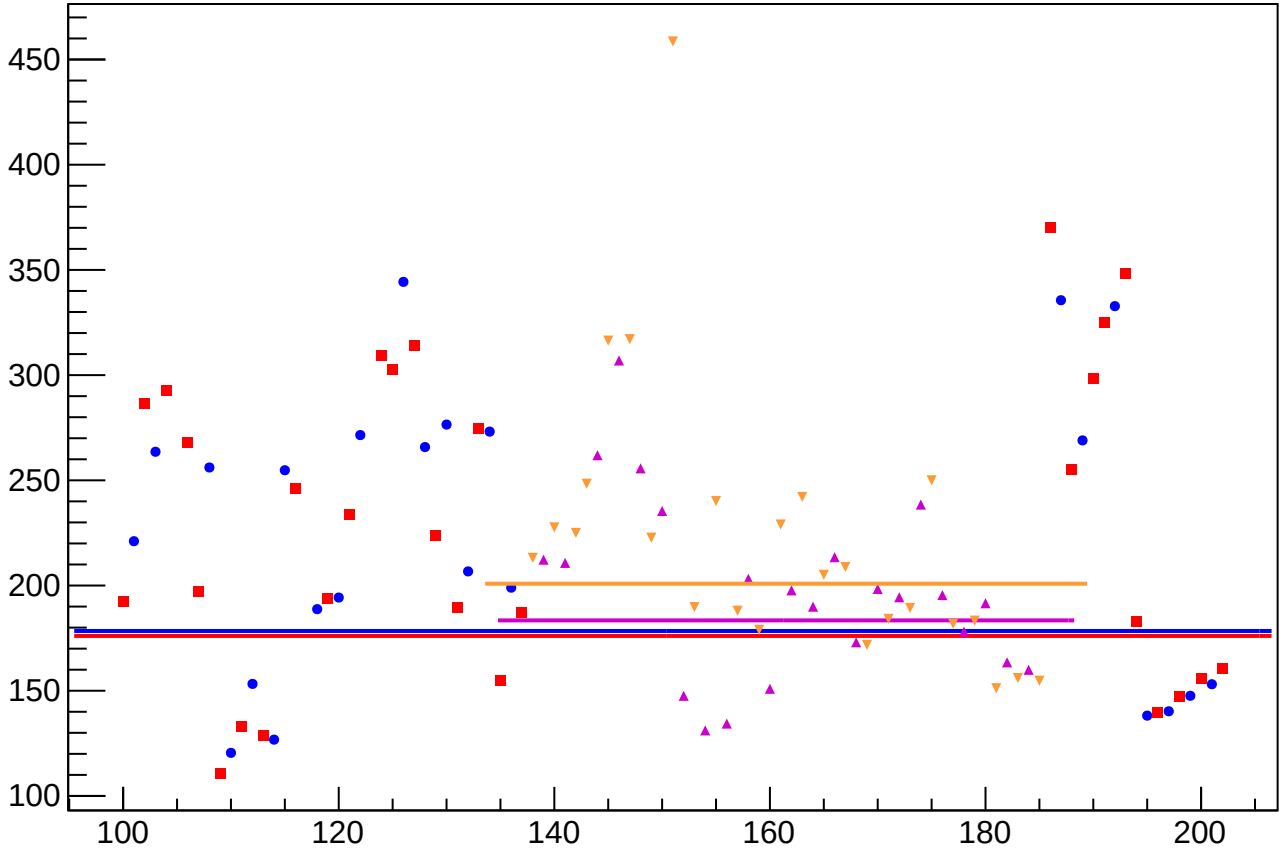
Right: -144.706+/-36.405 χ^2/NDF: 34.4/51

In: 24.215+/-34.364 χ^2/NDF:40.5/45

Out: 4.535+/-34.181 χ^2/NDF:46.8/53

All: 14.322+/-24.234 χ^2/NDF: 87.5/99

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 178.406+/-0.038 χ^2/NDF: 2142776.6/22

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 176.044+/-0.035 χ^2/NDF: 2817901.3/28

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

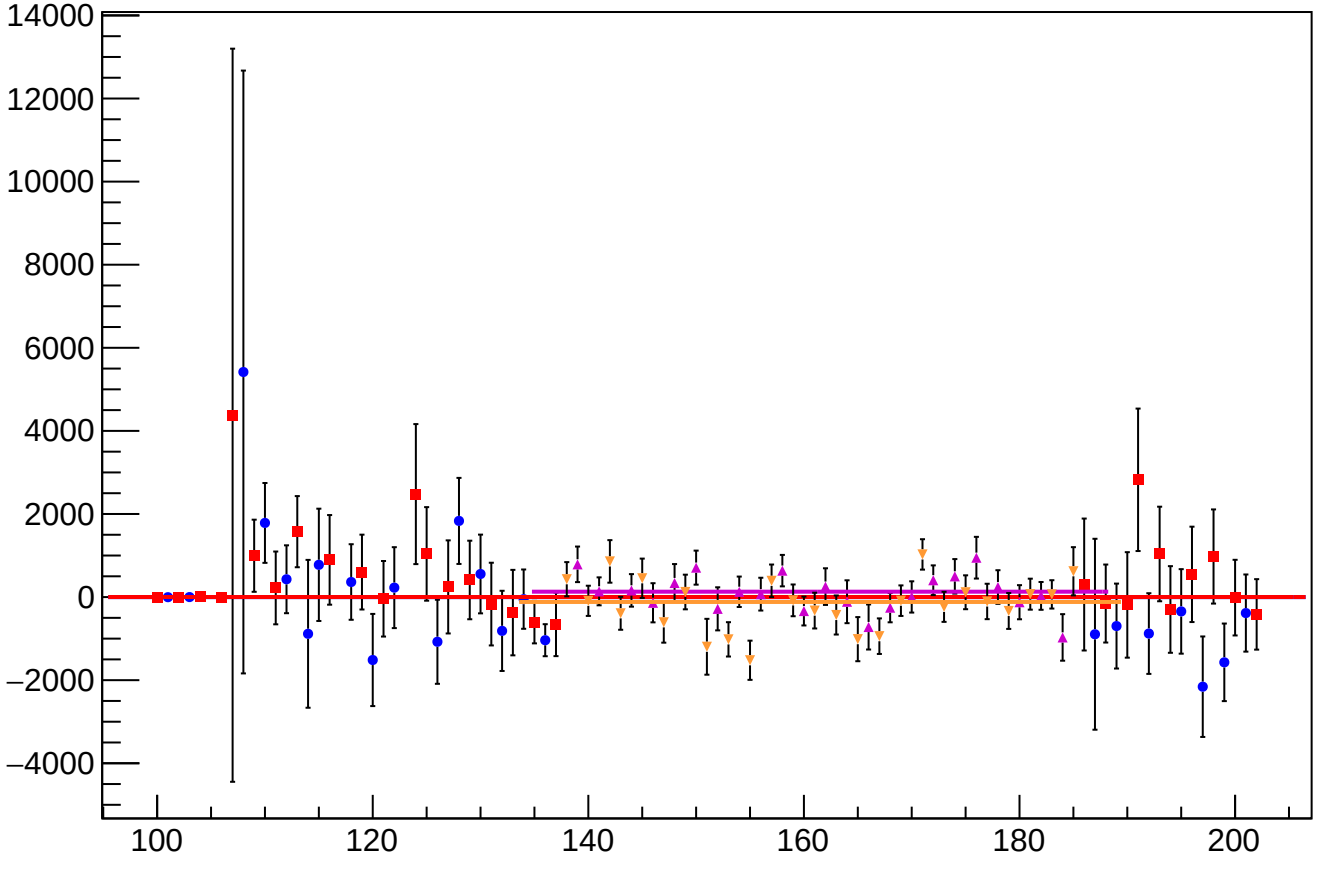
Right: 177.128+/-0.026 χ^2/NDF: 4962768.2/51

In: 181.377+/-0.024 χ^2/NDF:3683802.7/45

Out: 189.026+/-0.024 χ^2/NDF:4808396.0/53

All: 185.222+/-0.017 χ^2/NDF: 8542001.6/99

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.266+/-2.171 χ^2/NDF: 27.6/22

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.385+/-2.022 χ^2/NDF: 21.8/28

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

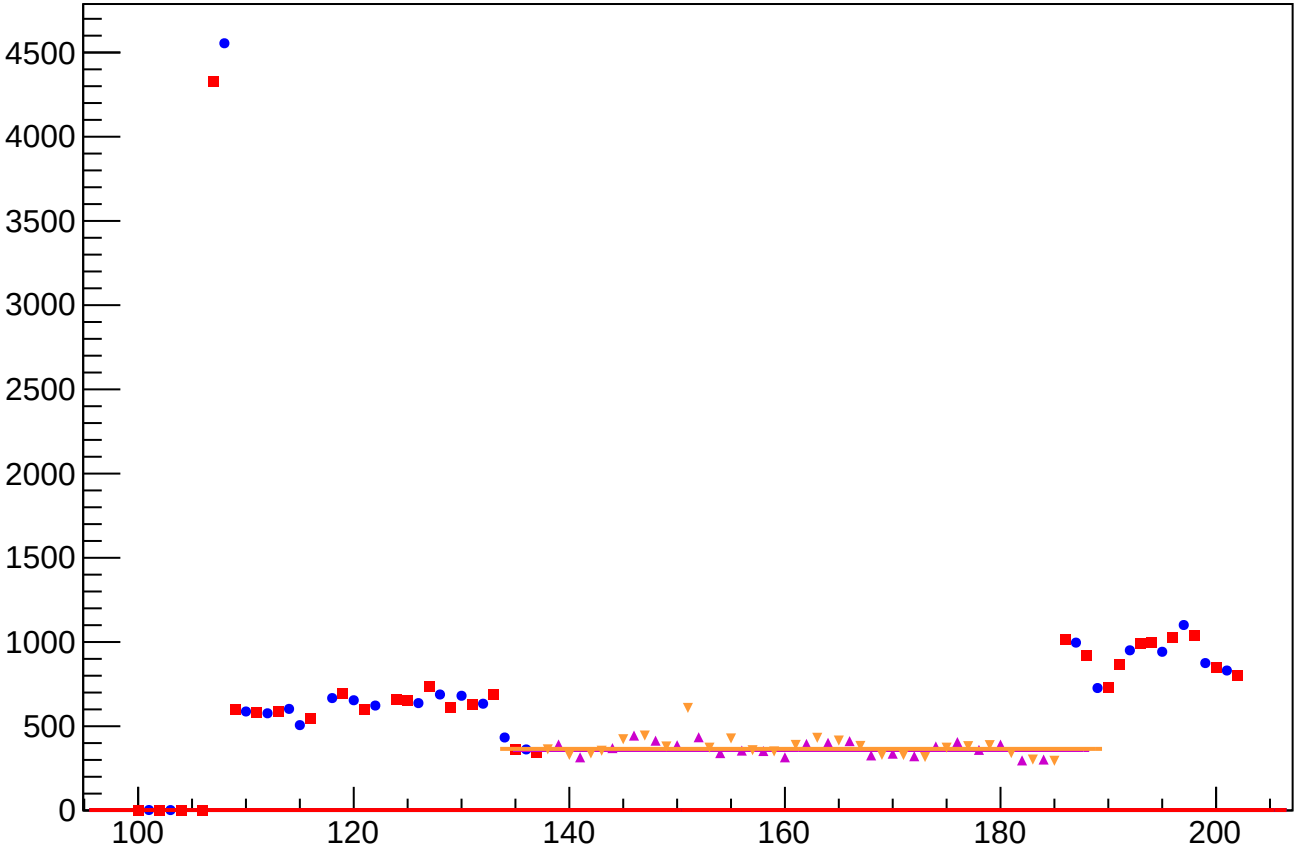
Right: 0.153+/-1.480 χ^2/NDF: 50.2/51

In: -1.181+/-2.170 χ^2/NDF:51.7/45

Out: 1.316+/-2.022 χ^2/NDF:70.1/53

All: 0.156+/-1.479 χ^2/NDF: 122.5/99

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.503+/-0.002 χ^2/NDF: 21608197.8/22

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.493+/-0.001 χ^2/NDF: 25500076.8/28

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

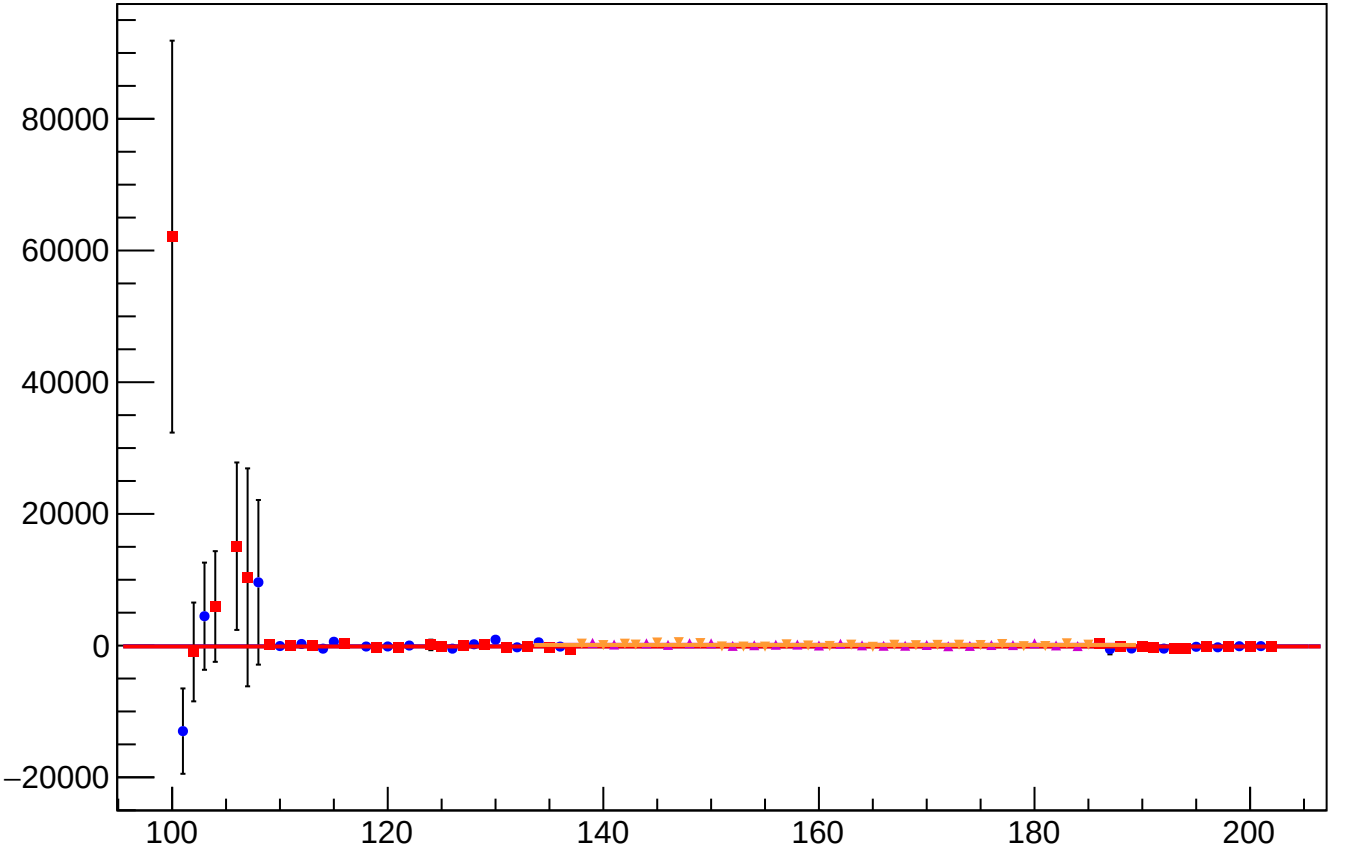
Right: 2.498+/-0.001 χ^2/NDF: 47108295.1/51

In: 2.735+/-0.002 χ^2/NDF:57155316.6/45

Out: 2.702+/-0.001 χ^2/NDF:63334906.7/53

All: 2.717+/-0.001 χ^2/NDF: 120490458.6/99

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -102.360+/-59.275 χ^2/NDF: 21.5/22

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -134.763+/-55.251 χ^2/NDF: 18.3/28

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

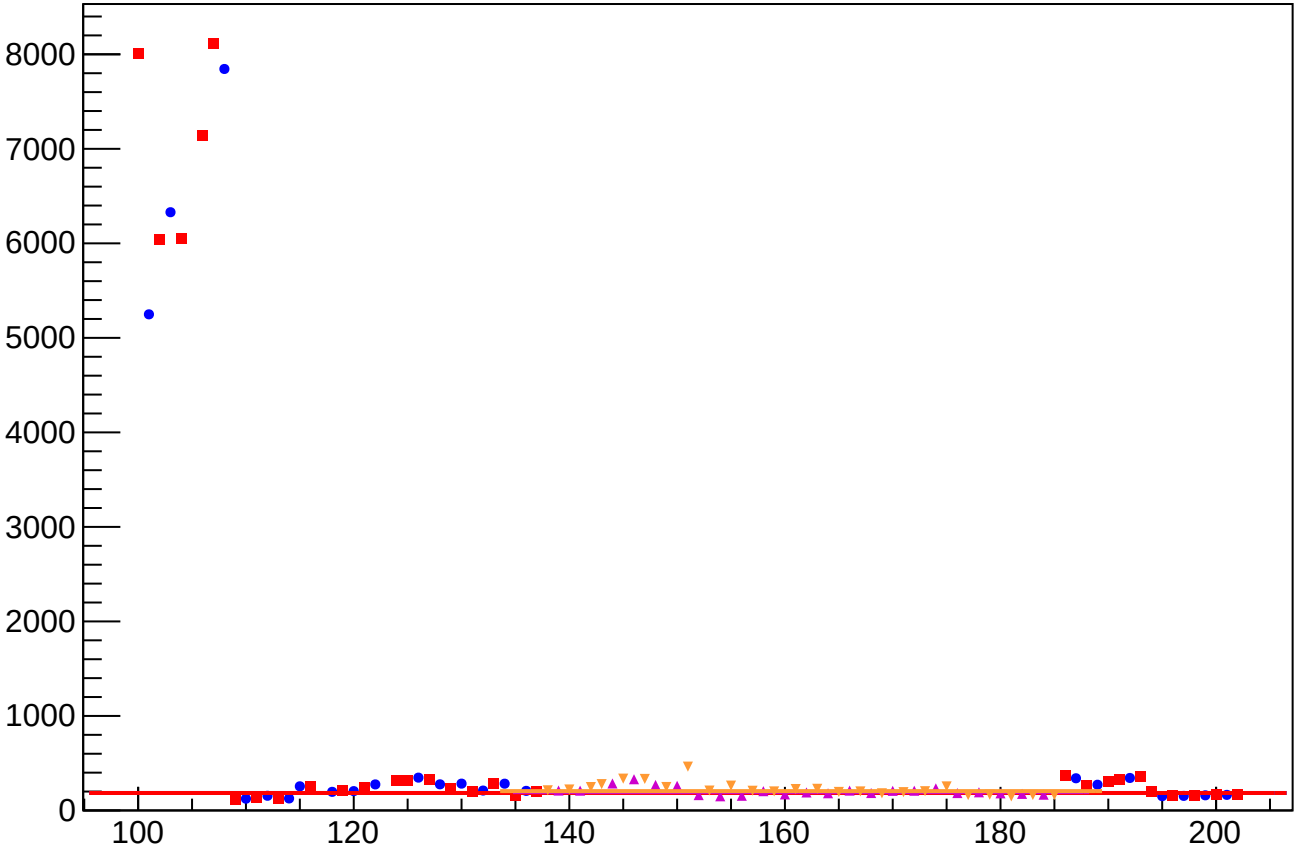
Right: -119.699+/-40.416 χ^2/NDF: 39.9/51

In: 33.859+/-36.807 χ^2/NDF:39.3/45

Out: -1.800+/-36.343 χ^2/NDF:41.3/53

All: 15.803+/-25.861 χ^2/NDF: 81.1/99

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 184.903+/-0.042 χ^2/NDF: 4817929.8/22

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 184.763+/-0.039 χ^2/NDF: 5501848.3/28

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

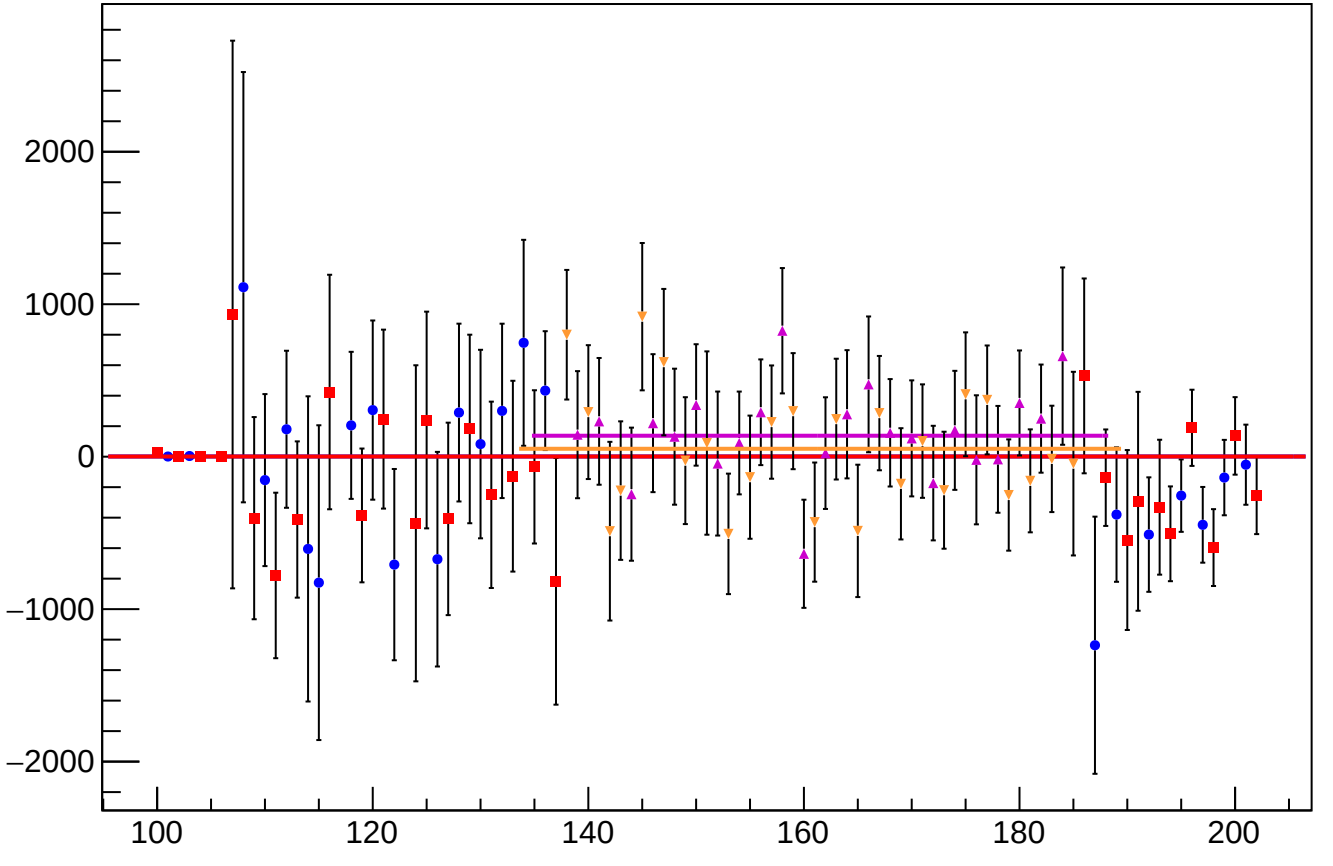
Right: 184.828+/-0.029 χ^2/NDF: 10319784.1/51

In: 190.428+/-0.026 χ^2/NDF:6037801.7/45

Out: 196.006+/-0.026 χ^2/NDF:7622954.2/53

All: 193.253+/-0.018 χ^2/NDF: 13684018.3/99

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.394+/-1.660 χ^2/NDF: 17.4/22

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.053+/-1.528 χ^2/NDF: 21.7/28

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

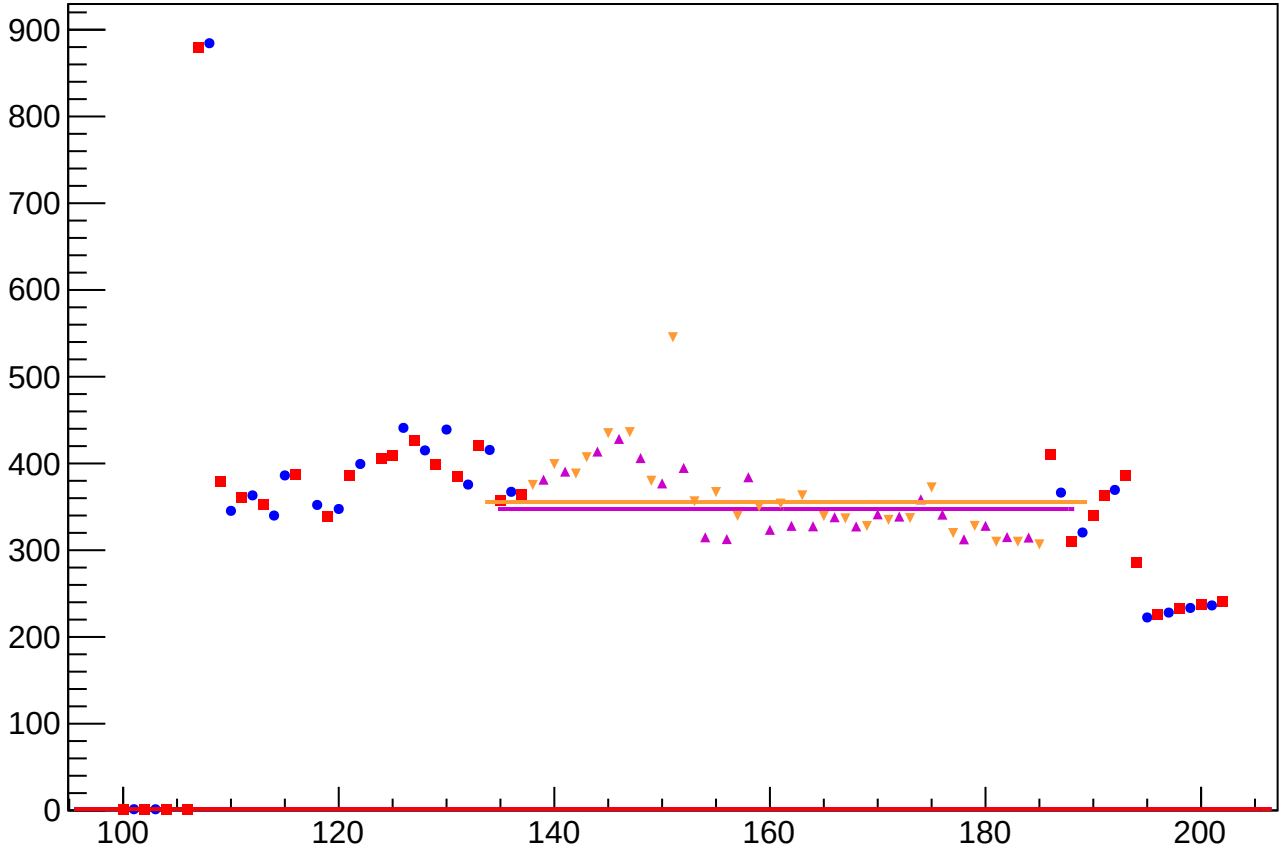
Right: 1.210+/-1.124 χ^2/NDF: 39.2/51

In: 1.450+/-1.660 χ^2/NDF:32.3/45

Out: 1.071+/-1.527 χ^2/NDF:41.6/53

All: 1.245+/-1.124 χ^2/NDF: 73.9/99

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.524+/-0.001 χ^2/NDF: 21830998.4/22

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.526+/-0.001 χ^2/NDF: 25136026.7/28

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

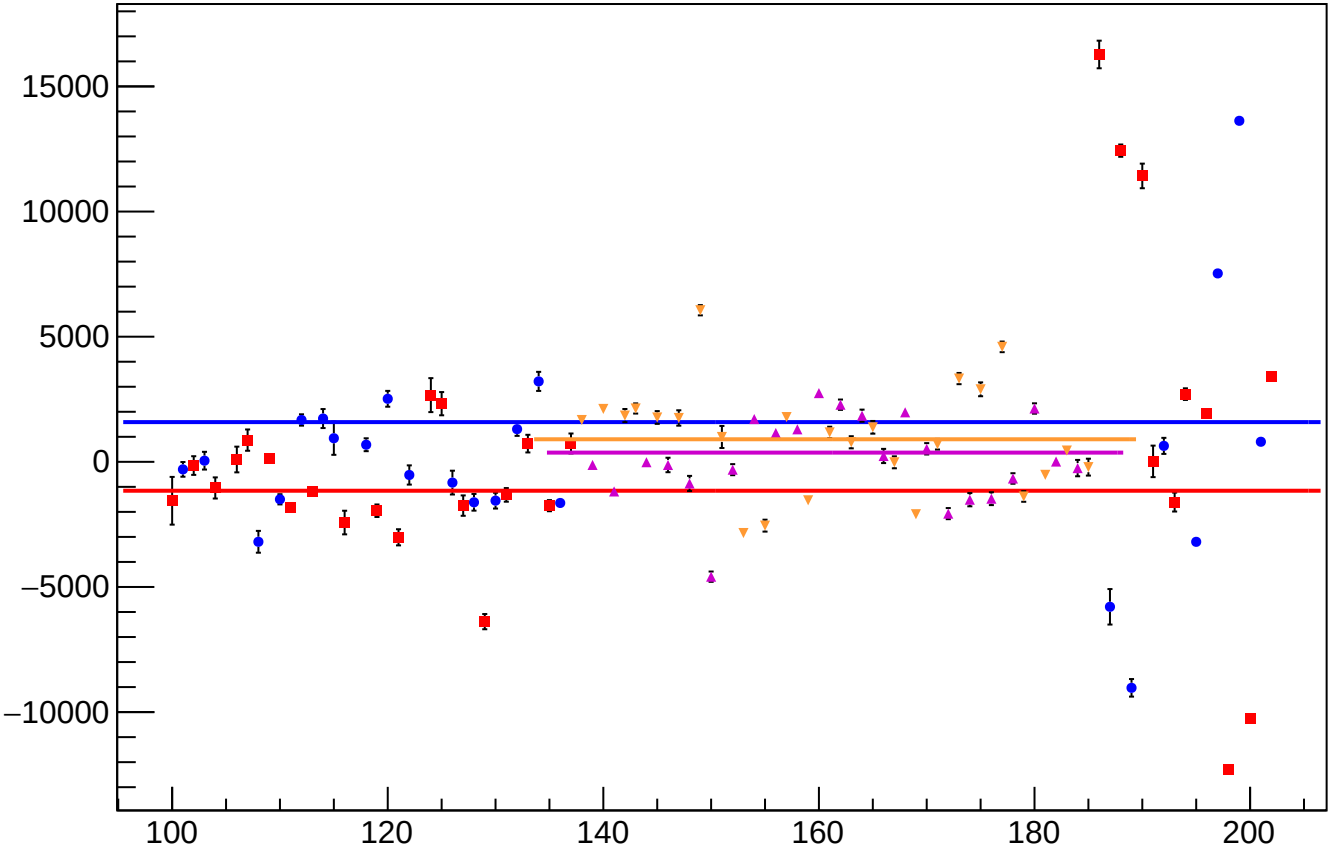
Right: 1.525+/-0.001 χ^2/NDF: 46967026.7/51

In: 1.665+/-0.001 χ^2/NDF:57665220.4/45

Out: 1.650+/-0.001 χ^2/NDF:63335784.8/53

All: 1.657+/-0.001 χ^2/NDF: 121001095.7/99

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 1587.184+/-55.469 χ^2/NDF: 8610.1/22

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -1154.857+/-51.017 χ^2/NDF: 12932.9/28

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

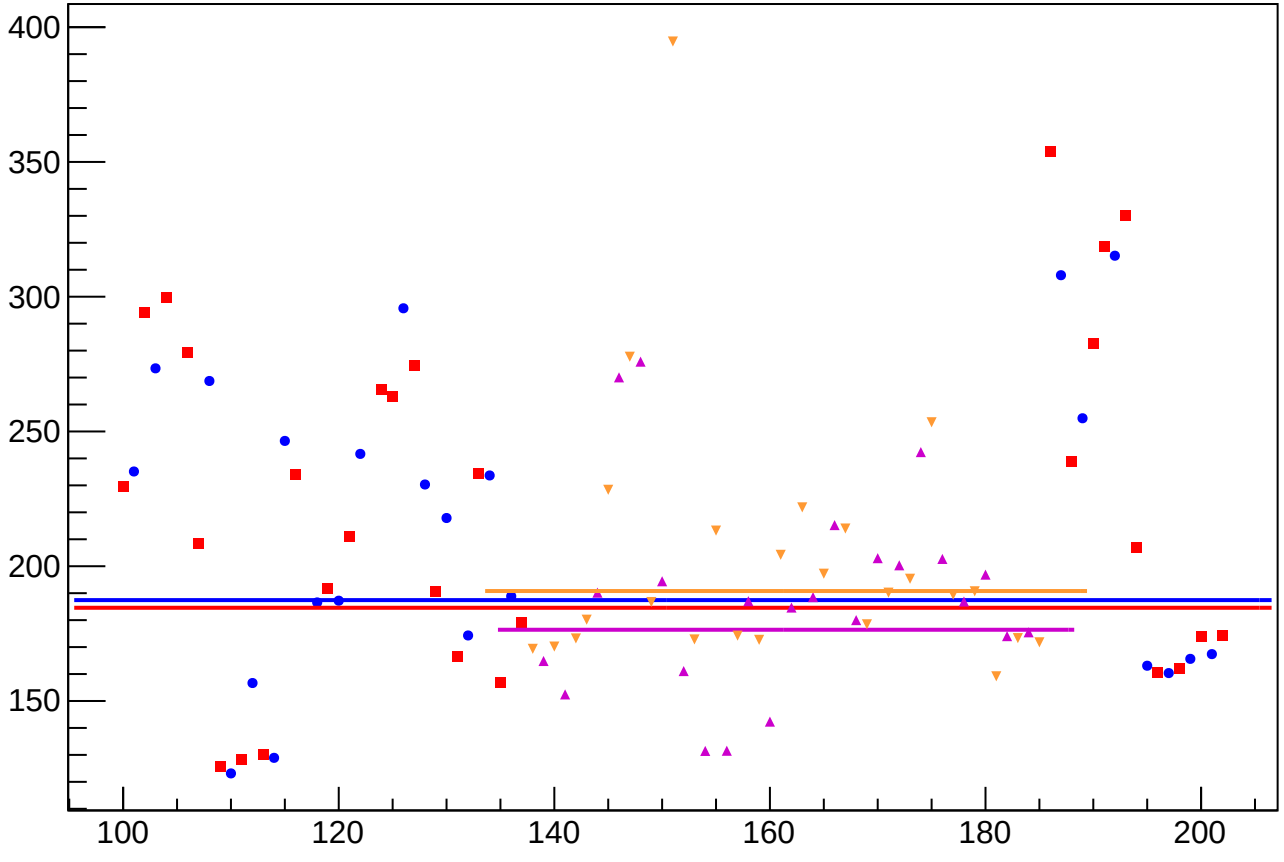
Right: 101.747+/-37.550 χ^2/NDF: 22866.9/51

In: 821.806+/-33.835 χ^2/NDF:10506.3/45

Out: 13.398+/-33.527 χ^2/NDF:16266.9/53

All: 413.904+/-23.816 χ^2/NDF: 27061.2/99

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 187.430+/-0.039 χ^2/NDF: 1359286.2/22

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.589+/-0.036 χ^2/NDF: 2102112.0/28

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

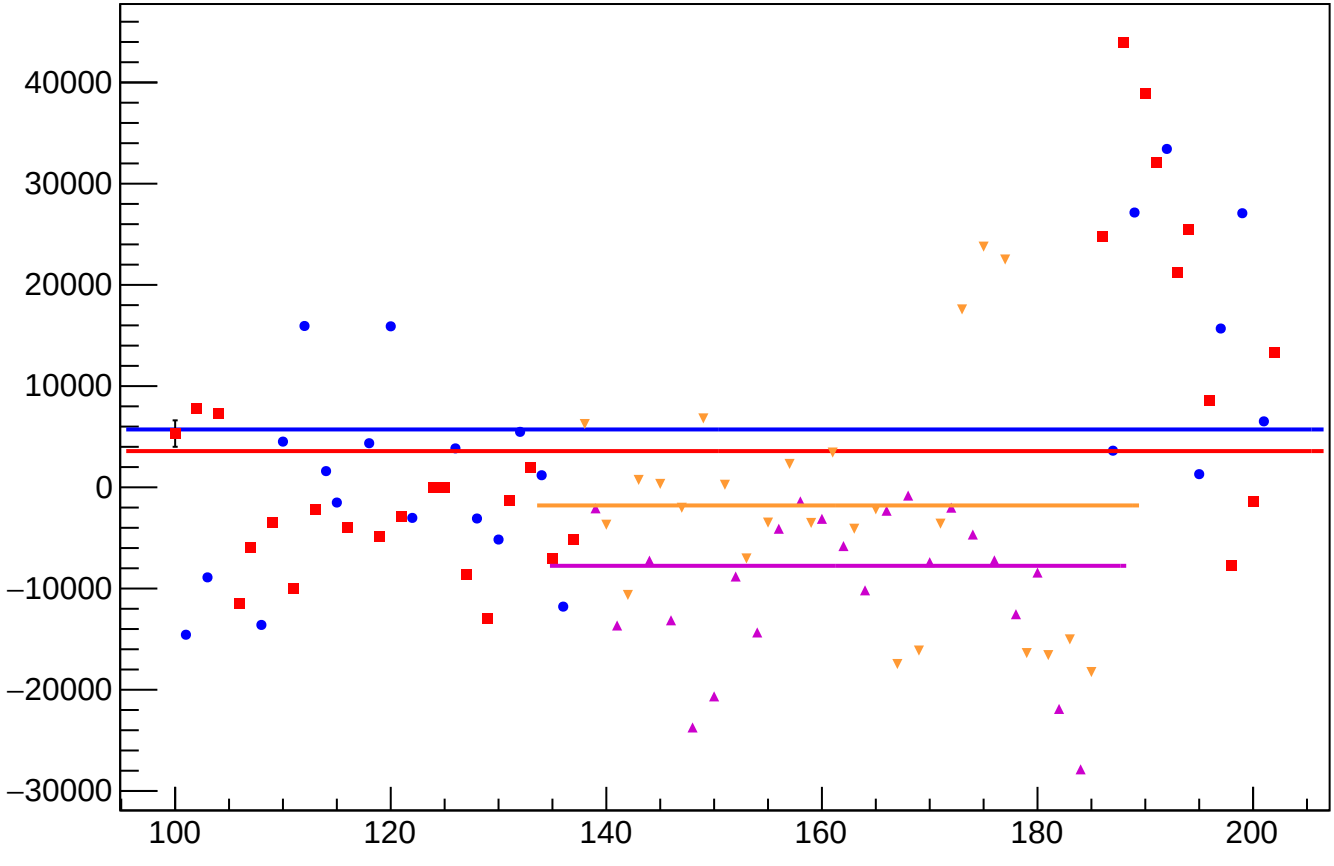
Right: 185.891+/-0.027 χ^2/NDF: 3464239.8/51

In: 180.524+/-0.024 χ^2/NDF:2666322.2/45

Out: 188.118+/-0.024 χ^2/NDF:3138555.0/53

All: 184.356+/-0.017 χ^2/NDF: 5855717.8/99

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5716.885+/-44.476 χ^2/NDF: 88179.3/22

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3579.838+/-41.172 χ^2/NDF: 135638.5/28

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

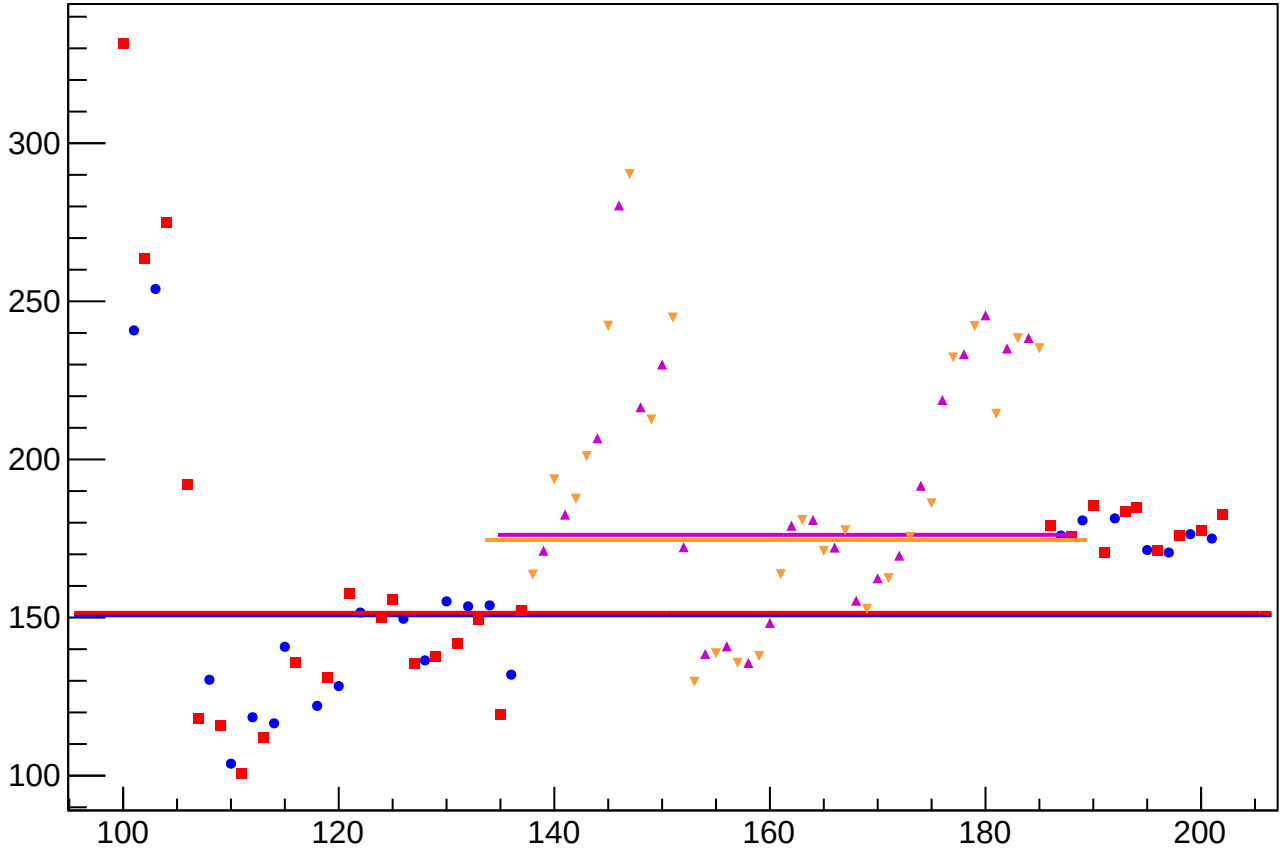
Right: 4566.047+/-30.213 χ^2/NDF: 225061.2/51

In: -1313.390+/-30.754 χ^2/NDF:159335.7/45

Out: 877.650+/-29.020 χ^2/NDF:209945.0/53

All: -154.372+/-21.106 χ^2/NDF: 371965.7/99

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 150.732+/-0.031 χ^2/NDF: 964358.5/22

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 151.496+/-0.029 χ^2/NDF: 1418465.5/28

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

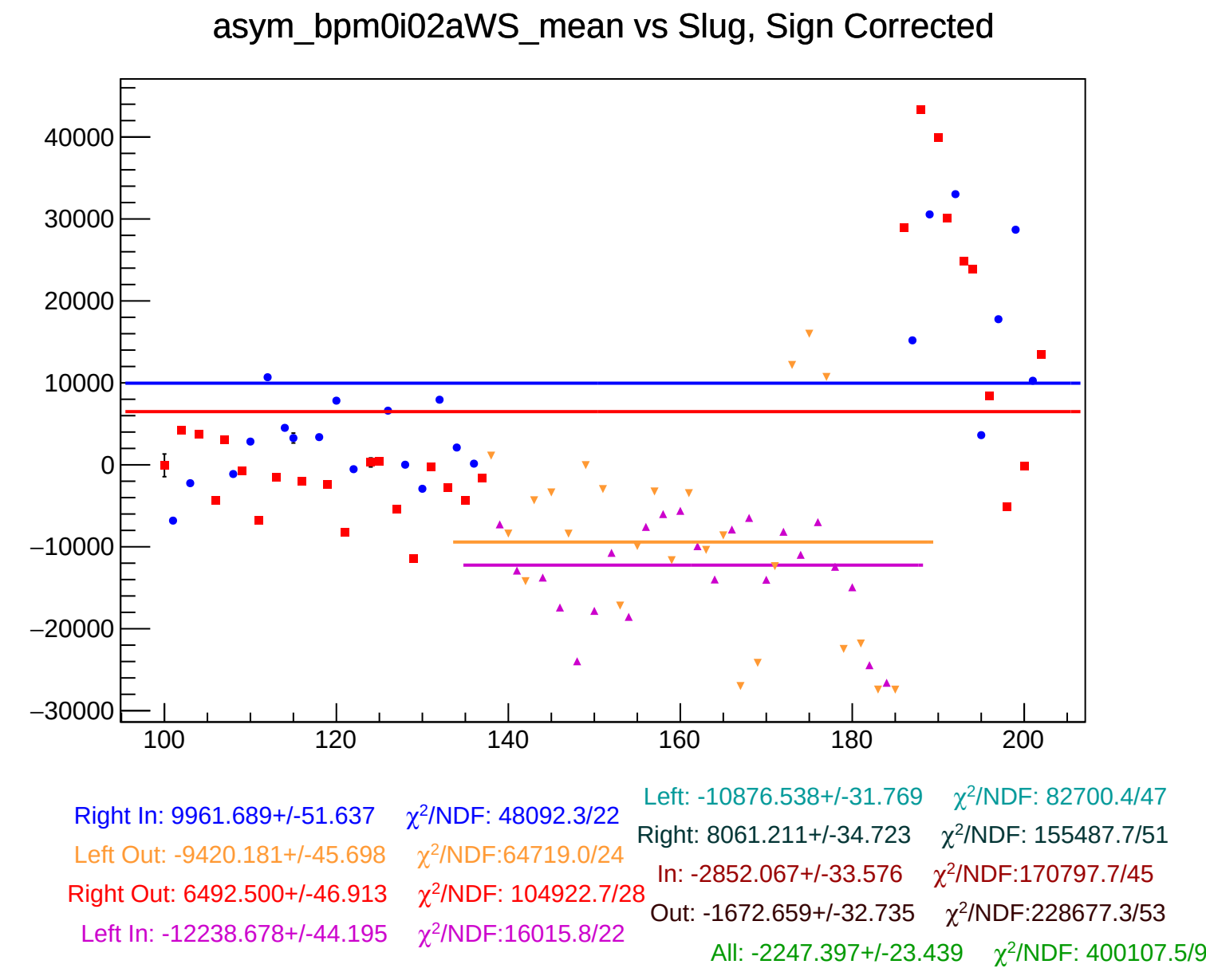
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 151.143+/-0.021 χ^2/NDF: 2383141.8/51

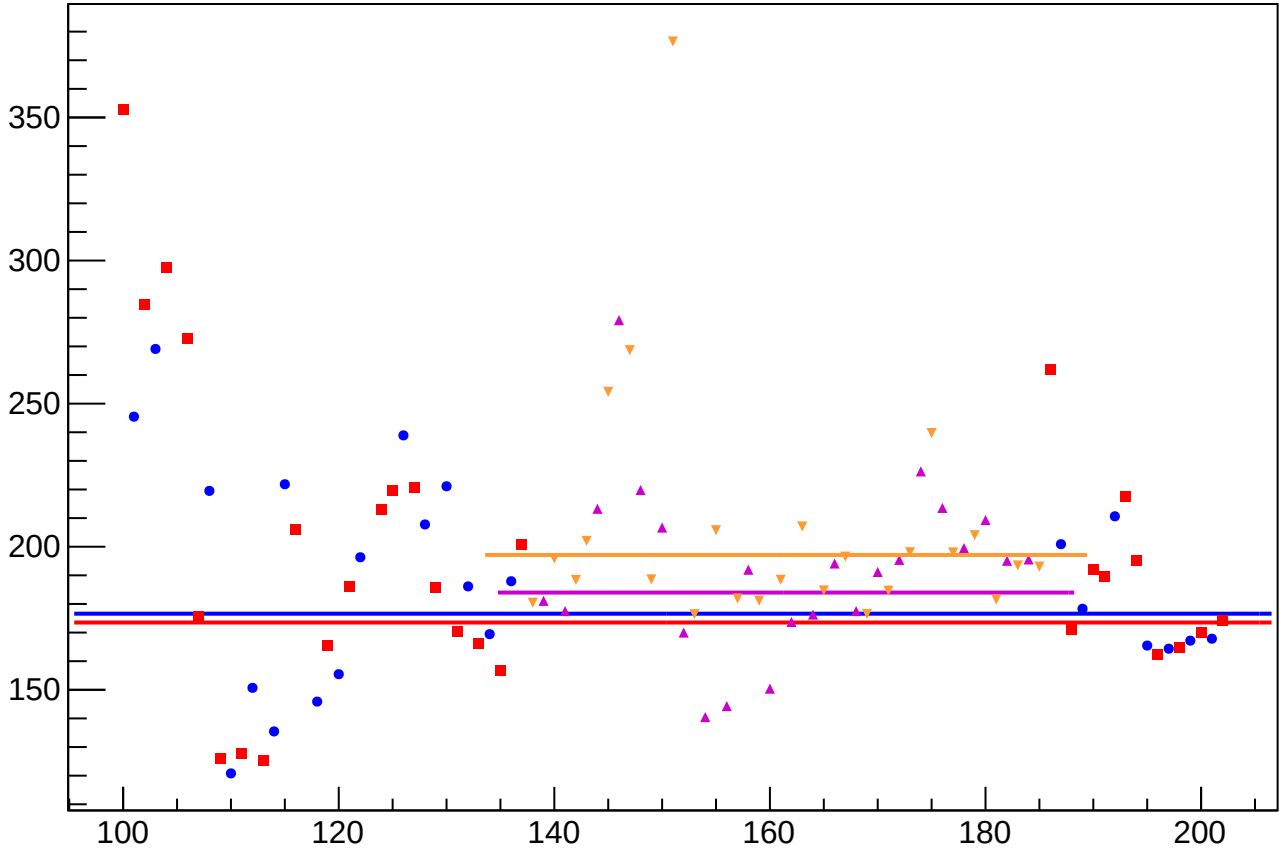
In: 163.999+/-0.022 χ^2/NDF:2672444.6/45

Out: 163.082+/-0.021 χ^2/NDF:3392671.6/53

All: 163.514+/-0.015 χ^2/NDF: 6066058.0/99


asym_bpm0i02aWS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 9961.689+/-51.637 χ²/NDF: 48092.3/22
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: 6492.500+/-46.913 χ²/NDF: 104922.7/28
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10876.538+/-31.769 χ²/NDF: 82700.4/47
Right: 8061.211+/-34.723 χ²/NDF: 155487.7/51
In: -2852.067+/-33.576 χ²/NDF:170797.7/45
Out: -1672.659+/-32.735 χ²/NDF:228677.3/53
All: -2247.397+/-23.439 χ²/NDF: 400107.5/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.598+/-0.037 χ^2/NDF: 759488.6/22

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.516+/-0.033 χ^2/NDF: 1193304.1/28

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

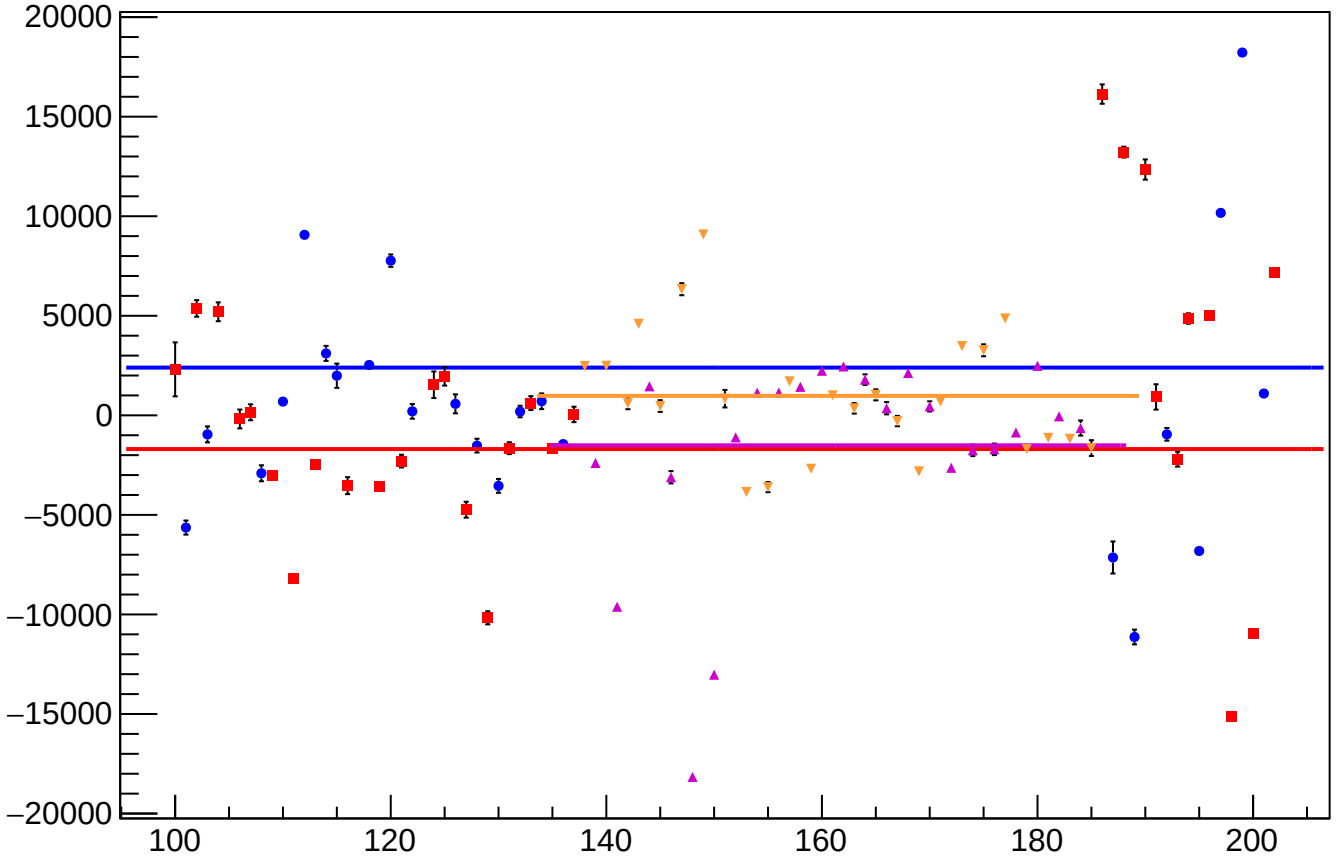
Right: 174.909+/-0.025 χ^2/NDF: 1956696.7/51

In: 180.862+/-0.024 χ^2/NDF:1612894.5/45

Out: 185.629+/-0.023 χ^2/NDF:2185686.9/53

All: 183.306+/-0.017 χ^2/NDF: 3819248.9/99

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 2397.835+/-58.149 χ^2/NDF: 14986.5/22

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1693.670+/-53.091 χ^2/NDF: 18208.0/28

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

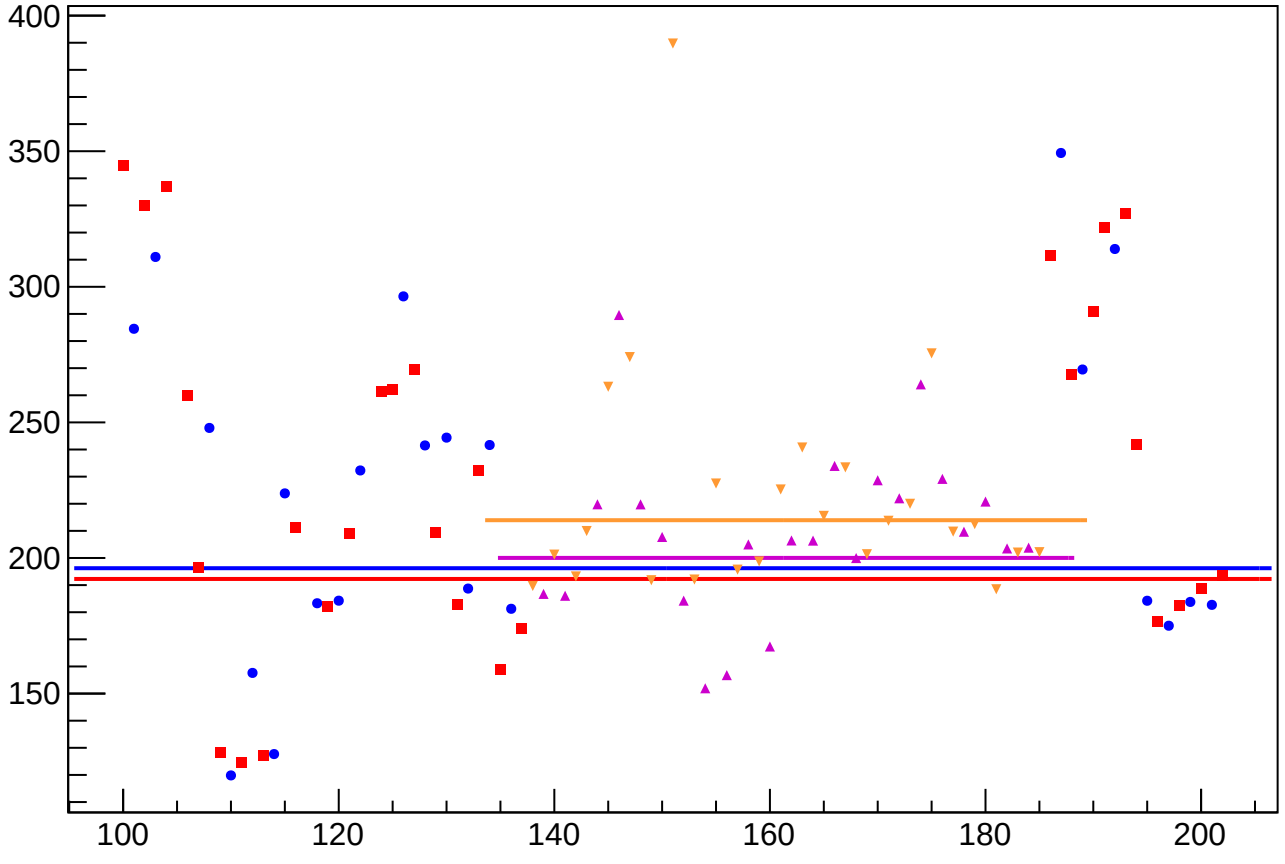
Right: 166.435+/-39.208 χ^2/NDF: 35894.5/51

In: 78.568+/-37.041 χ^2/NDF:29144.1/45

Out: -267.059+/-36.247 χ^2/NDF:23883.3/53

All: -97.990+/-25.906 χ^2/NDF: 53071.9/99

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 196.231+/-0.041 χ^2/NDF: 1439003.5/22

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.267+/-0.038 χ^2/NDF: 2233721.8/28

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

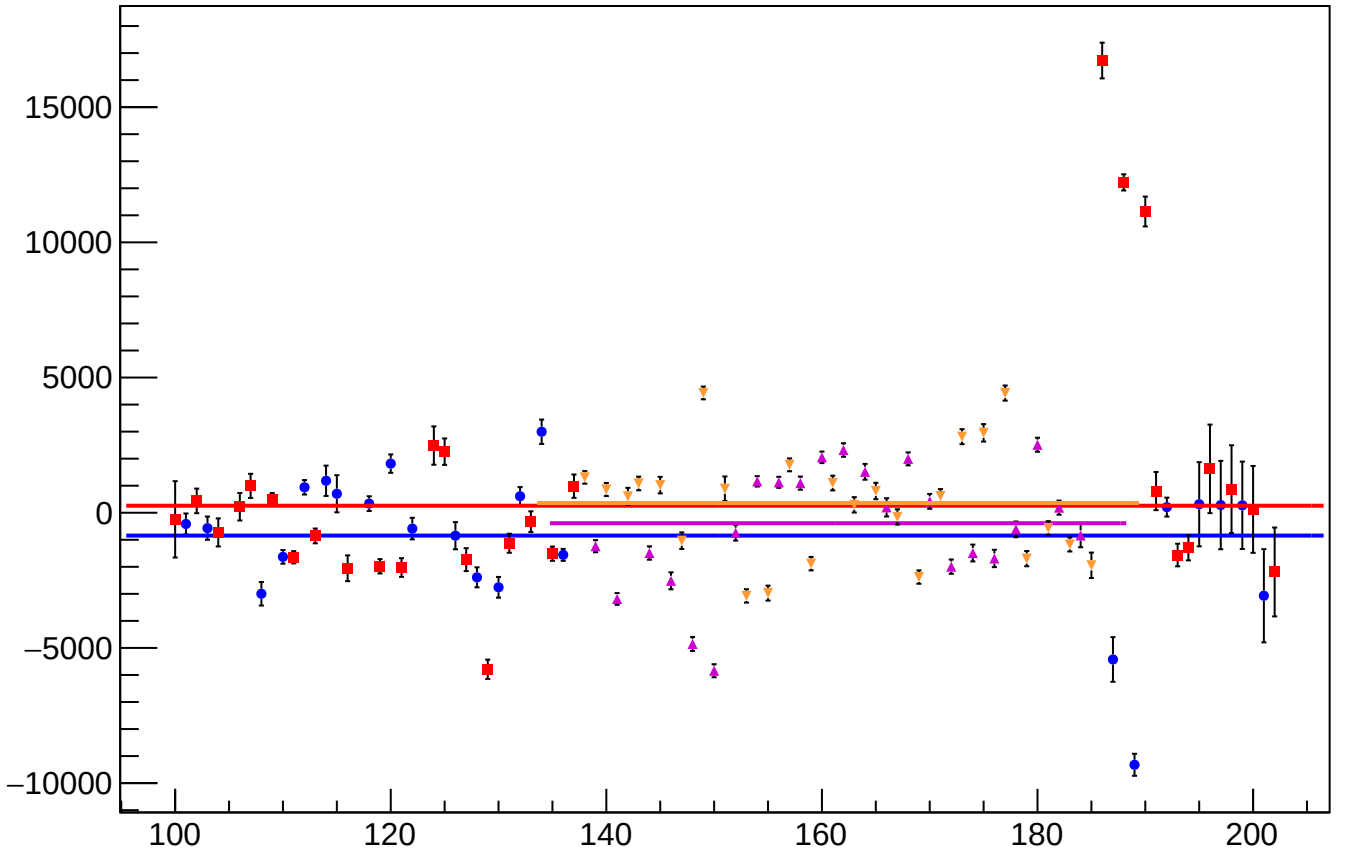
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 194.069+/-0.028 χ^2/NDF: 3677794.7/51

In: 198.489+/-0.026 χ^2/NDF:2229603.6/45

Out: 203.833+/-0.026 χ^2/NDF:3145161.6/53

All: 201.219+/-0.018 χ^2/NDF: 5396033.5/99



Right In: -844.895+/-81.586 χ^2/NDF: 799.4/22

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 259.235+/-73.873 χ^2/NDF: 3271.1/28

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

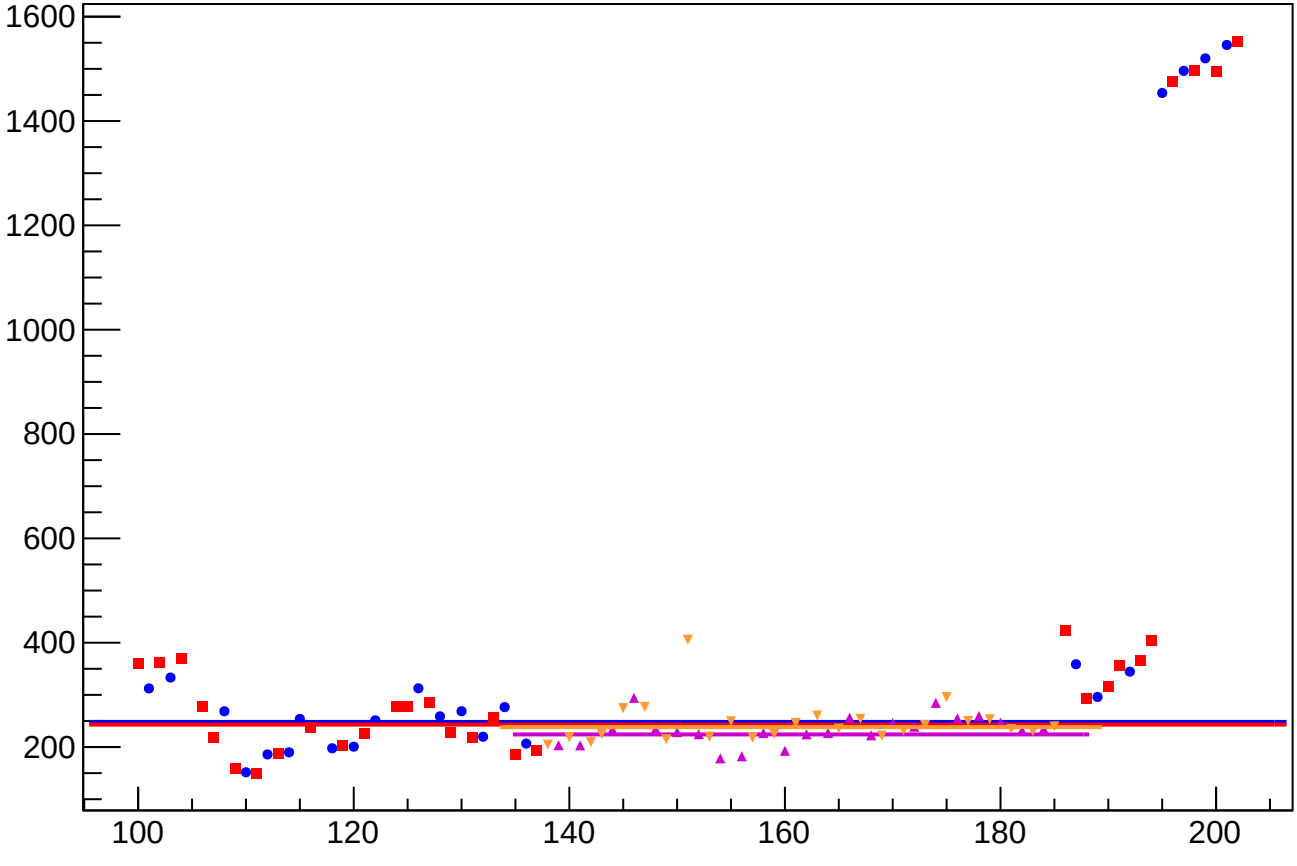
Right: -238.184+/-54.760 χ^2/NDF: 4171.2/51

In: -524.752+/-44.755 χ^2/NDF:2625.6/45

Out: 323.222+/-44.111 χ^2/NDF:4691.2/53

All: -94.620+/-31.417 χ^2/NDF: 7498.9/99

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 248.165+/-0.058 χ^2/NDF: 5753751.7/22

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 243.033+/-0.052 χ^2/NDF: 6748615.2/28

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

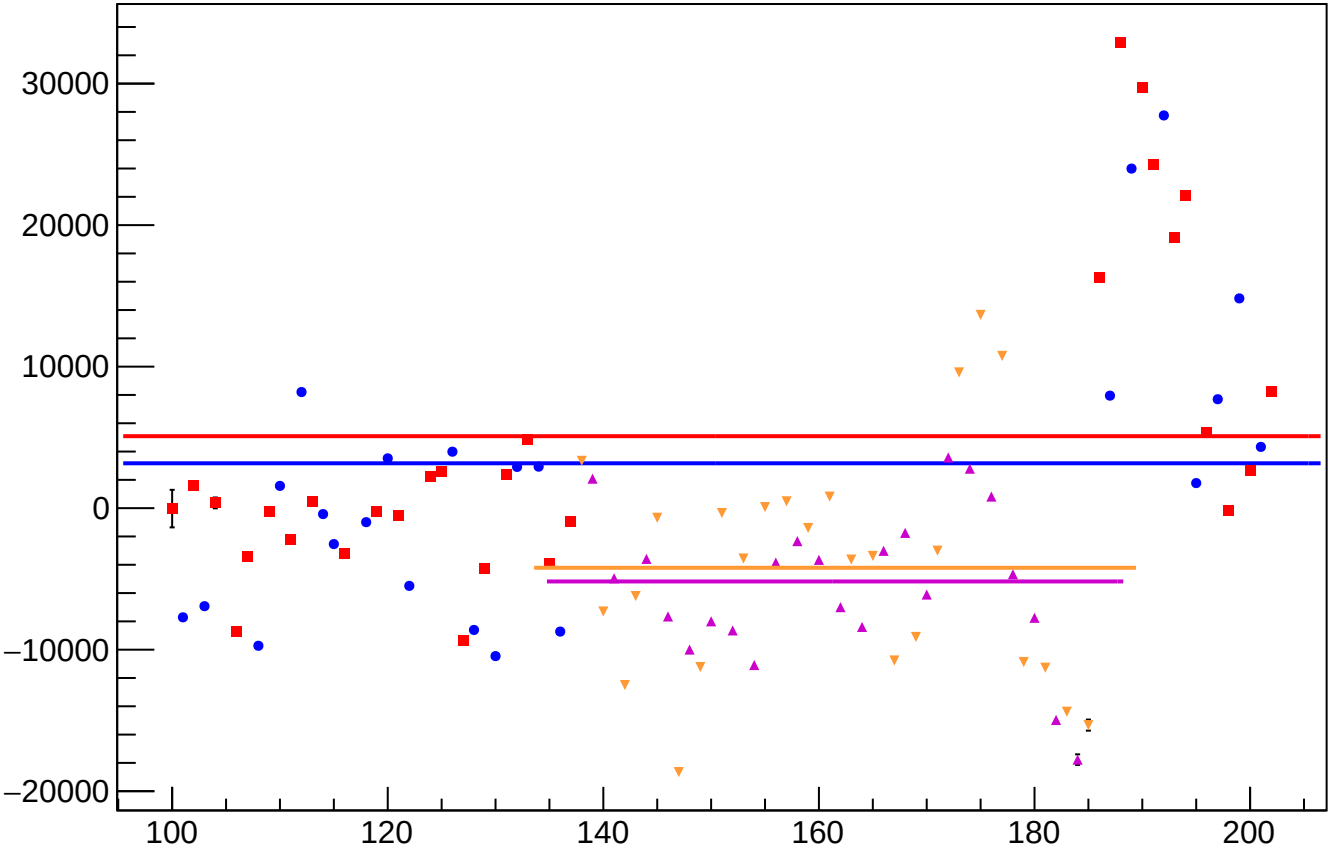
Right: 245.345+/-0.039 χ^2/NDF: 12506716.7/51

In: 231.420+/-0.032 χ^2/NDF:6437503.7/45

Out: 239.923+/-0.031 χ^2/NDF:7322059.6/53

All: 235.733+/-0.022 χ^2/NDF: 13796177.2/99

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3170.576+/-37.749 χ^2/NDF: 75667.9/22

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5085.297+/-34.709 χ^2/NDF: 102886.3/28

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

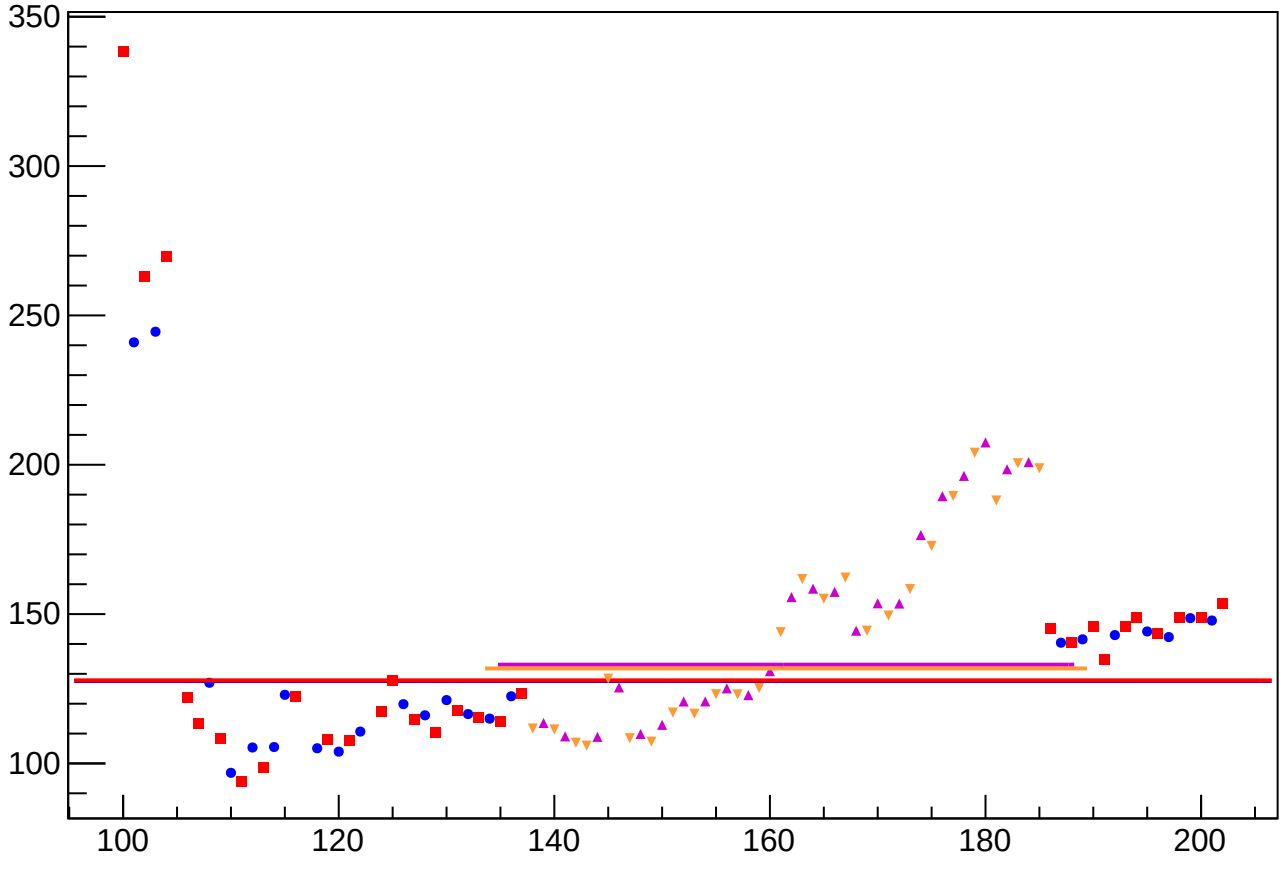
Right: 4208.122+/-25.550 χ^2/NDF: 179948.4/51

In: -1691.162+/-24.396 χ^2/NDF:122694.1/45

Out: -111.147+/-23.049 χ^2/NDF:199786.7/53

All: -856.343+/-16.754 χ^2/NDF: 324697.0/99

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 127.589+/-0.027 χ^2/NDF: 951188.0/22

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 127.812+/-0.025 χ^2/NDF: 1248333.7/28

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

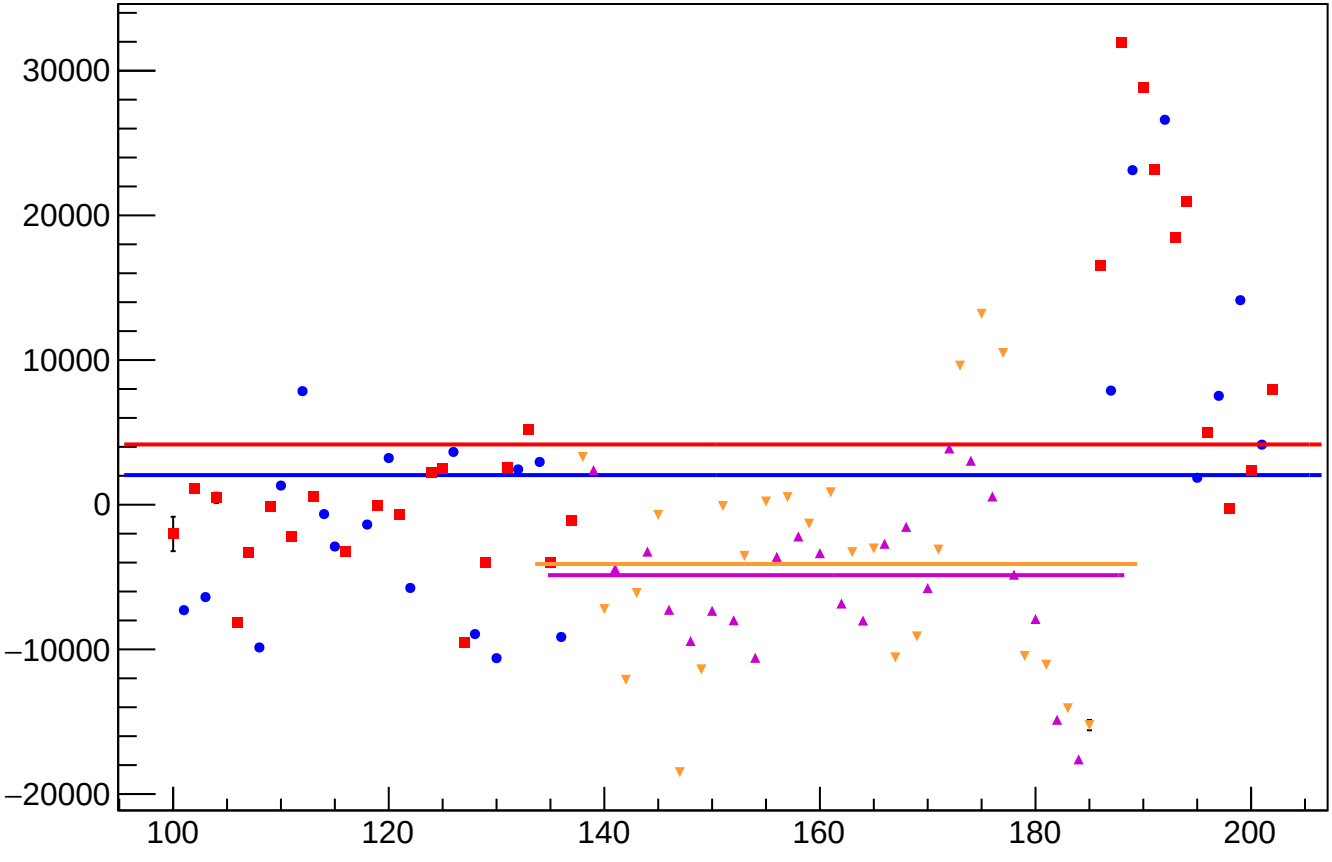
Right: 127.710+/-0.018 χ^2/NDF: 2199559.3/51

In: 130.776+/-0.017 χ^2/NDF:2393913.5/45

Out: 130.040+/-0.016 χ^2/NDF:2807417.2/53

All: 130.387+/-0.012 χ^2/NDF: 5202292.4/99

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 2048.585+/-34.256 χ^2/NDF: 82483.6/22

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4166.054+/-31.793 χ^2/NDF: 108586.1/28

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

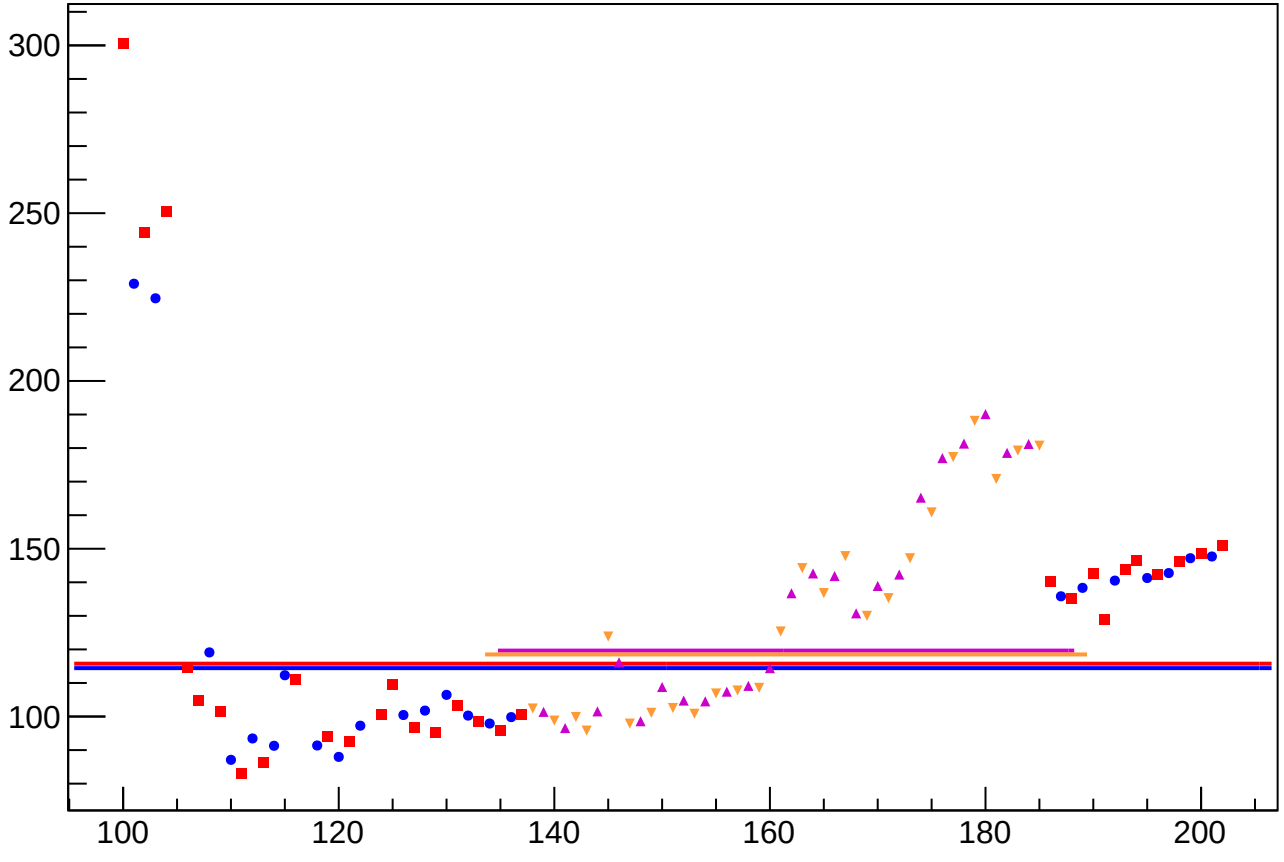
Right: 3186.167+/-23.303 χ^2/NDF: 193122.4/51

In: -2003.724+/-22.048 χ^2/NDF:128287.9/45

Out: -521.930+/-20.916 χ^2/NDF:213189.2/53

All: -1223.788+/-15.174 χ^2/NDF: 343854.4/9

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 114.422+/-0.024 χ^2/NDF: 1398169.8/22

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 115.748+/-0.022 χ^2/NDF: 1755629.7/28

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

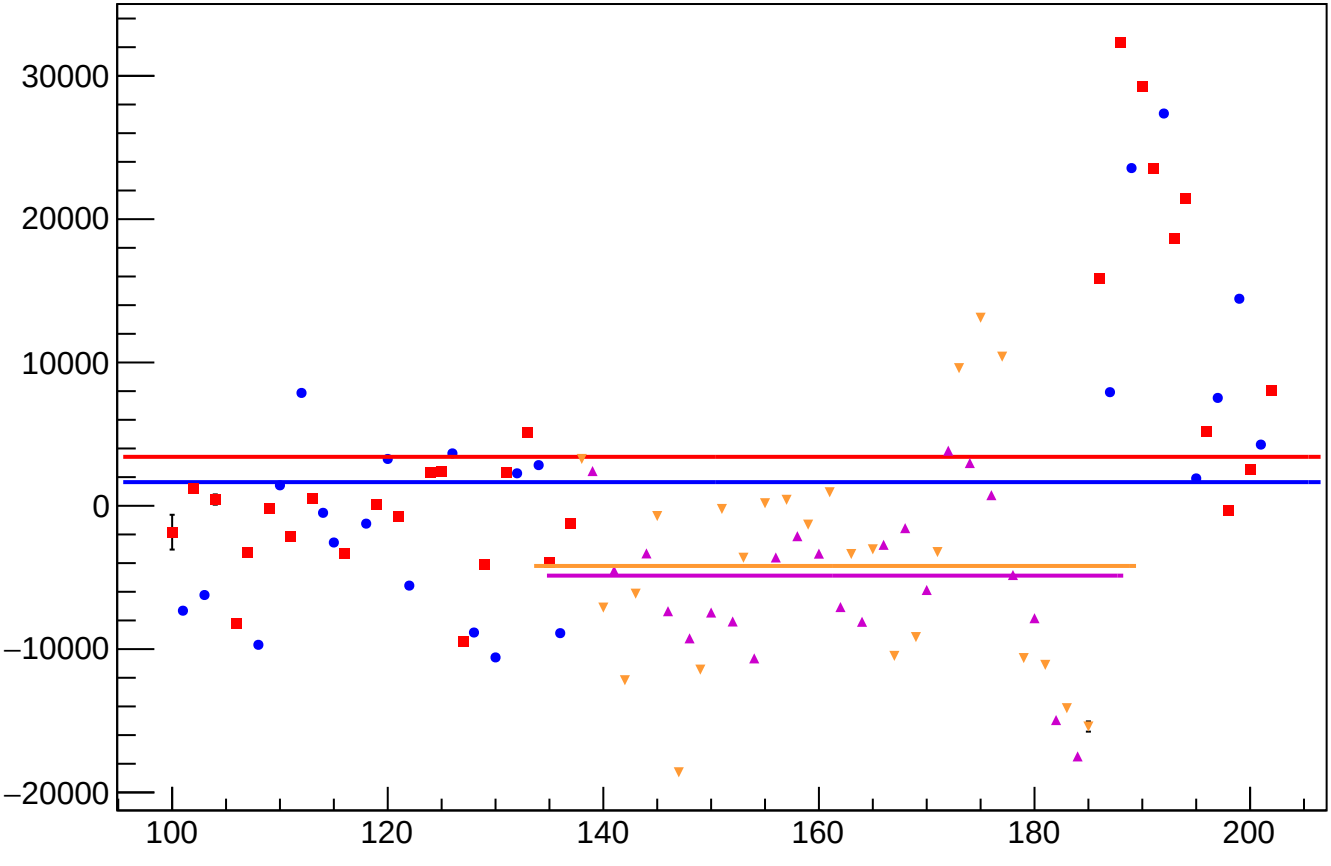
Right: 115.134+/-0.016 χ^2/NDF: 3155410.3/51

In: 117.481+/-0.016 χ^2/NDF:2937786.3/45

Out: 117.310+/-0.015 χ^2/NDF:3391279.1/53

All: 117.391+/-0.011 χ^2/NDF: 6329128.9/99

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 1651.712+/-33.516 χ^2/NDF: 81354.9/22

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3416.256+/-31.259 χ^2/NDF: 101849.9/28

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

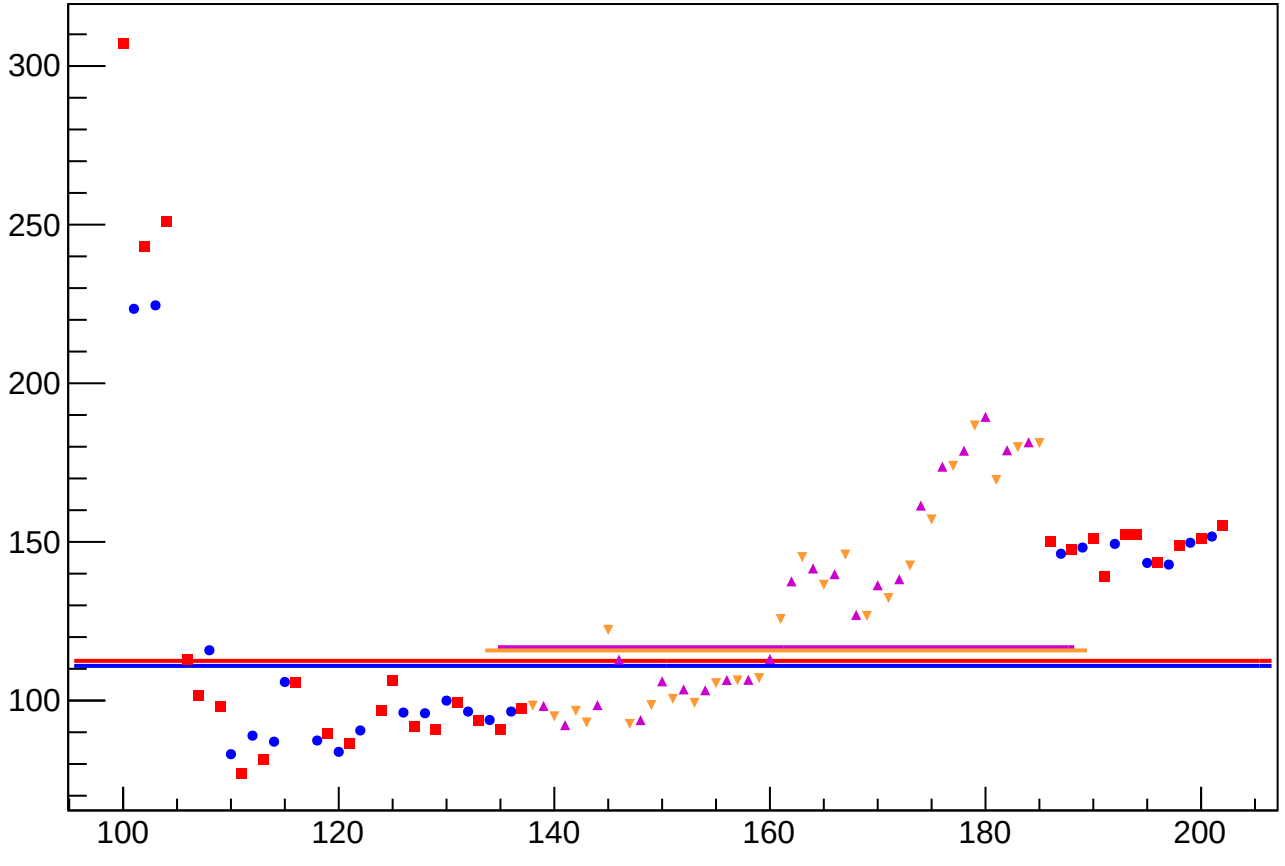
Right: 2595.377+/-22.860 χ^2/NDF: 184687.2/51

In: -2168.541+/-21.578 χ^2/NDF:126469.0/45

Out: -915.264+/-20.524 χ^2/NDF:206015.3/53

All: -1510.543+/-14.871 χ^2/NDF: 334255.3/9

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 110.925+/-0.024 χ^2/NDF: 1714374.8/22

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 112.510+/-0.022 χ^2/NDF: 2274474.0/28

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

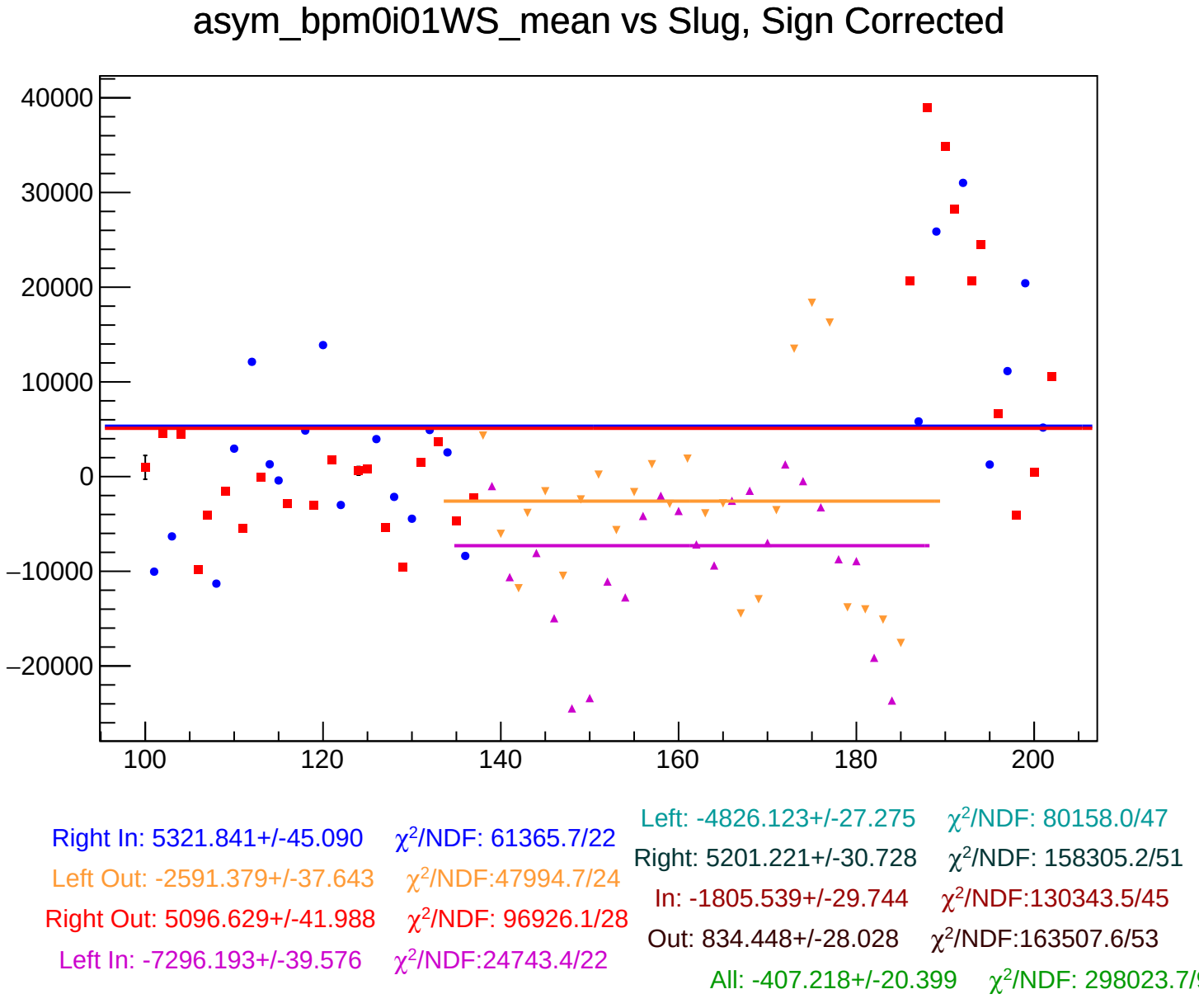
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 111.772+/-0.016 χ^2/NDF: 3991240.8/51

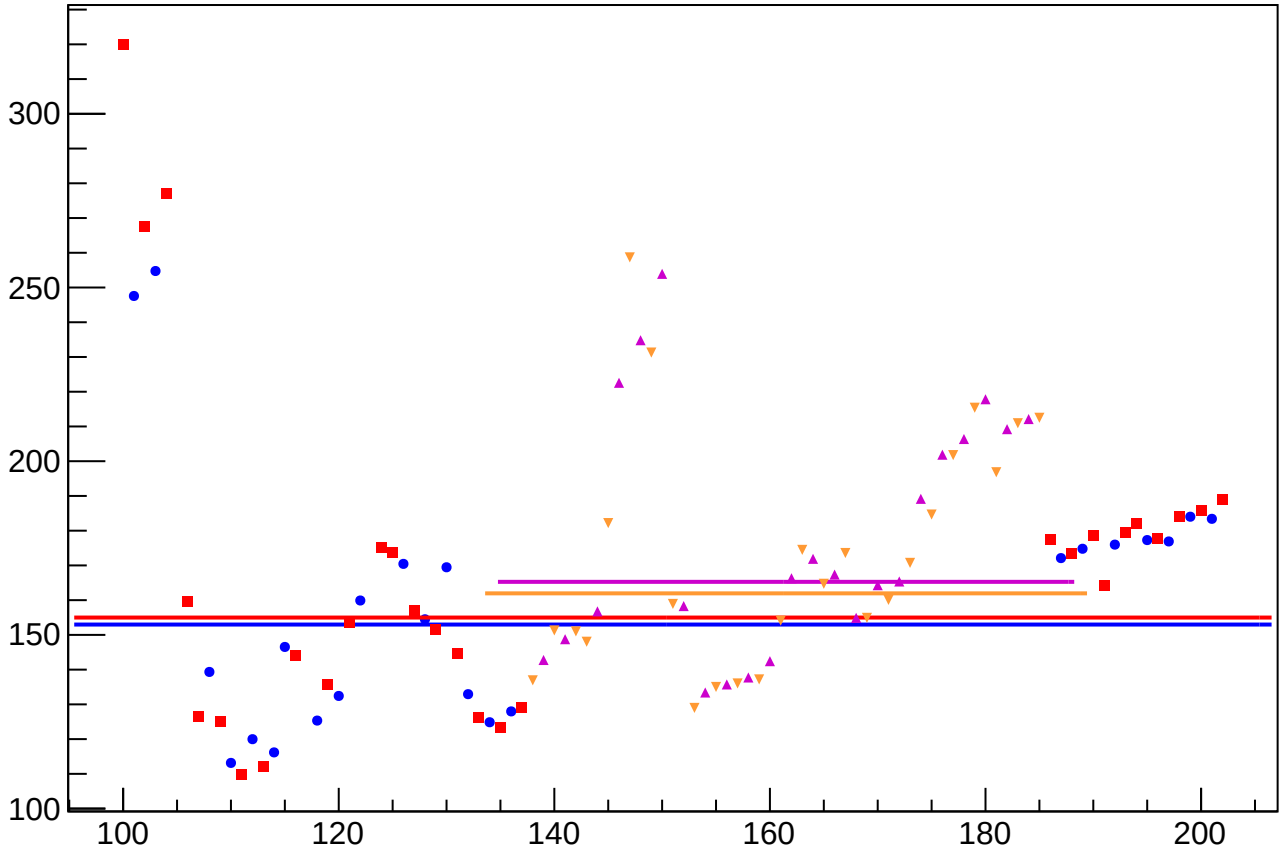
In: 114.370+/-0.015 χ^2/NDF:3368109.1/45

Out: 114.380+/-0.015 χ^2/NDF:4036085.9/53

All: 114.375+/-0.011 χ^2/NDF: 7404195.2/99


asym_bpm0i01WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 5321.841+/-45.090 χ²/NDF: 61365.7/22
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: 5096.629+/-41.988 χ²/NDF: 96926.1/28
Left In: -7296.193+/-39.576 χ²/NDF:24743.4/22
Left: -4826.123+/-27.275 χ²/NDF: 80158.0/47
Right: 5201.221+/-30.728 χ²/NDF: 158305.2/51
In: -1805.539+/-29.744 χ²/NDF:130343.5/45
Out: 834.448+/-28.028 χ²/NDF:163507.6/53
All: -407.218+/-20.399 χ²/NDF: 298023.7/99

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.978+/-0.032 χ^2/NDF: 988170.2/22

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 154.993+/-0.030 χ^2/NDF: 1265977.0/28

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

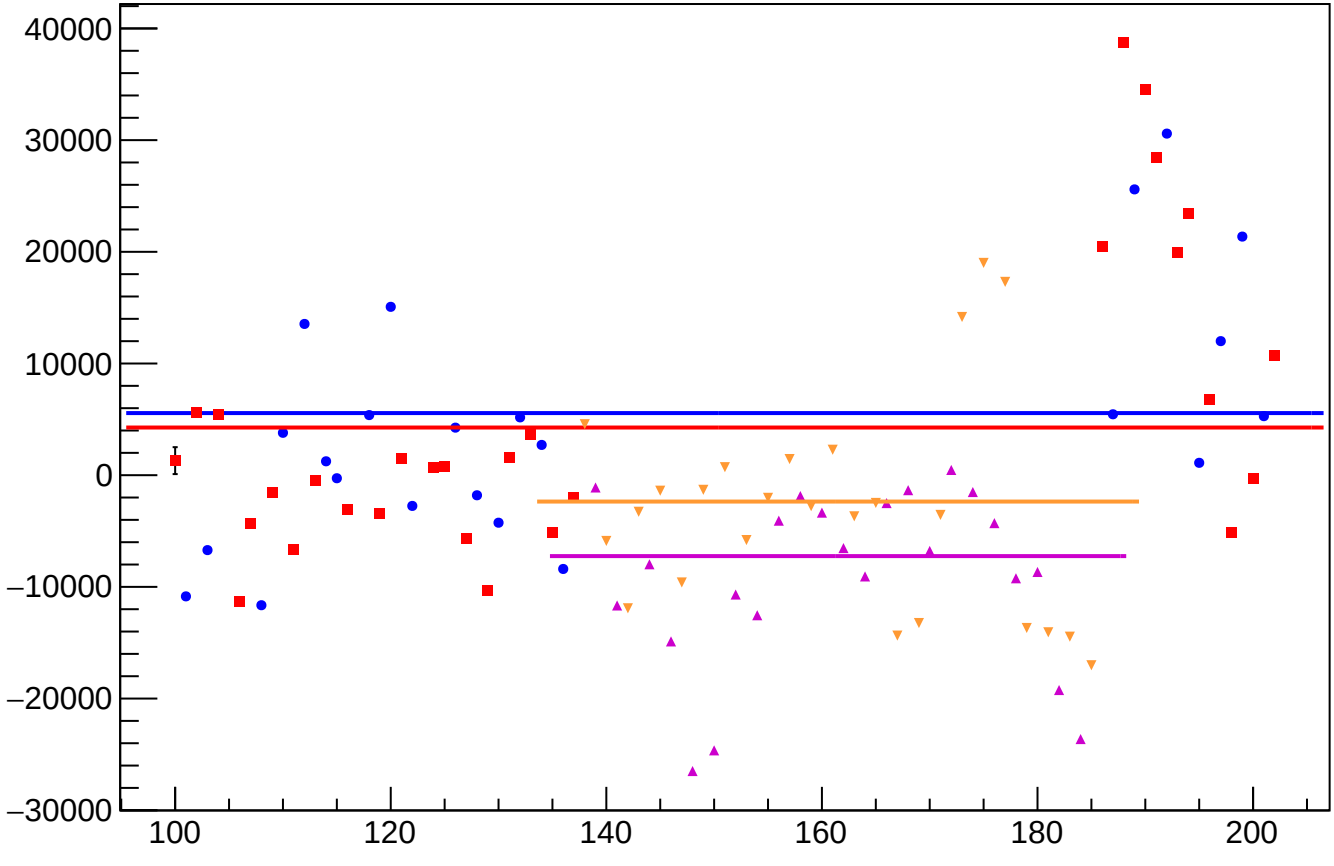
Right: 154.057+/-0.022 χ^2/NDF: 2256284.4/51

In: 159.923+/-0.021 χ^2/NDF:2251244.7/45

Out: 158.854+/-0.020 χ^2/NDF:2441290.3/53

All: 159.356+/-0.014 χ^2/NDF: 4693904.0/99

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5561.503+/-38.180 χ^2/NDF: 85556.2/22

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4267.886+/-35.352 χ^2/NDF: 134435.5/28

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

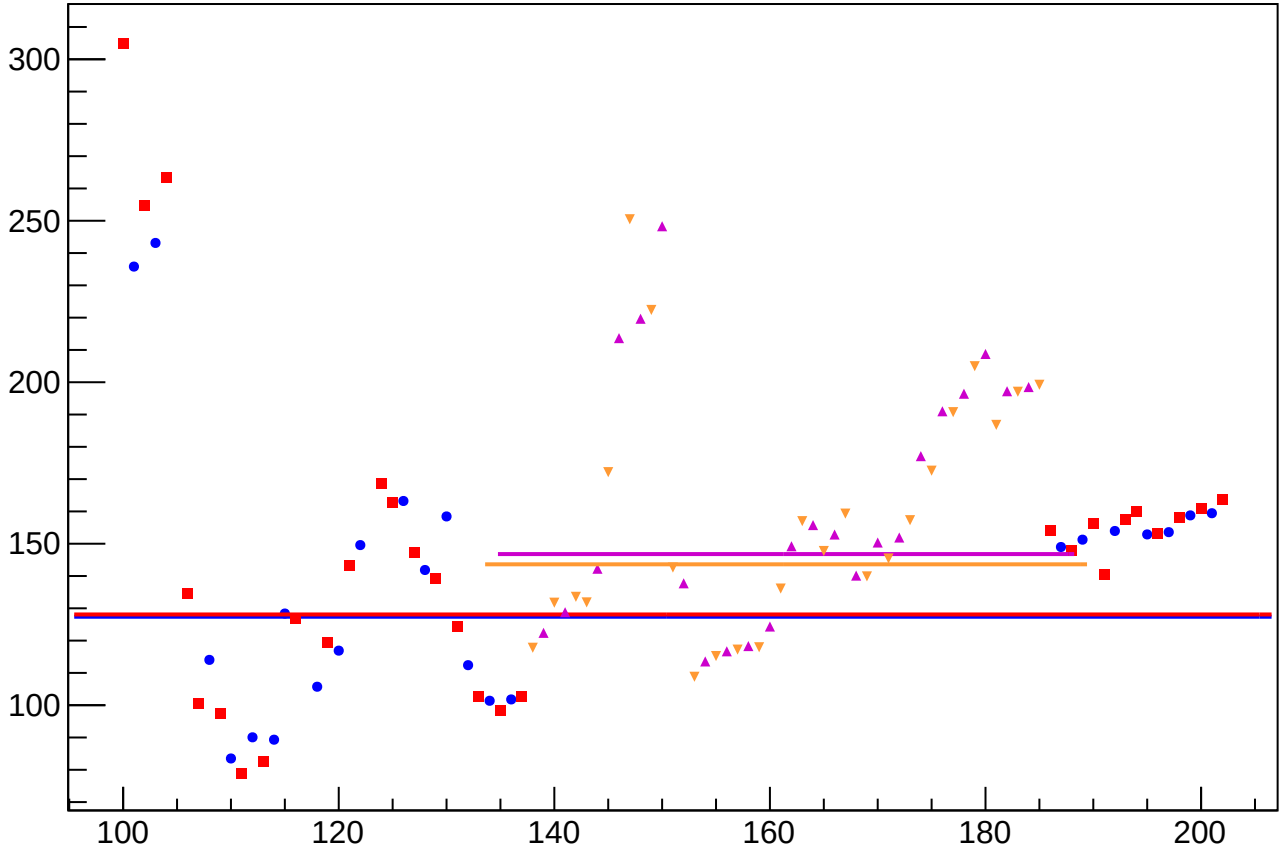
Right: 4865.015+/-25.940 χ^2/NDF: 220609.8/51

In: -1305.601+/-26.001 χ^2/NDF:176331.5/45

Out: 793.096+/-24.385 χ^2/NDF:211431.5/53

All: -189.015+/-17.787 χ^2/NDF: 391229.2/99

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 127.395+/-0.027 χ^2/NDF: 1578982.5/22

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 128.095+/-0.025 χ^2/NDF: 2057042.9/28

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

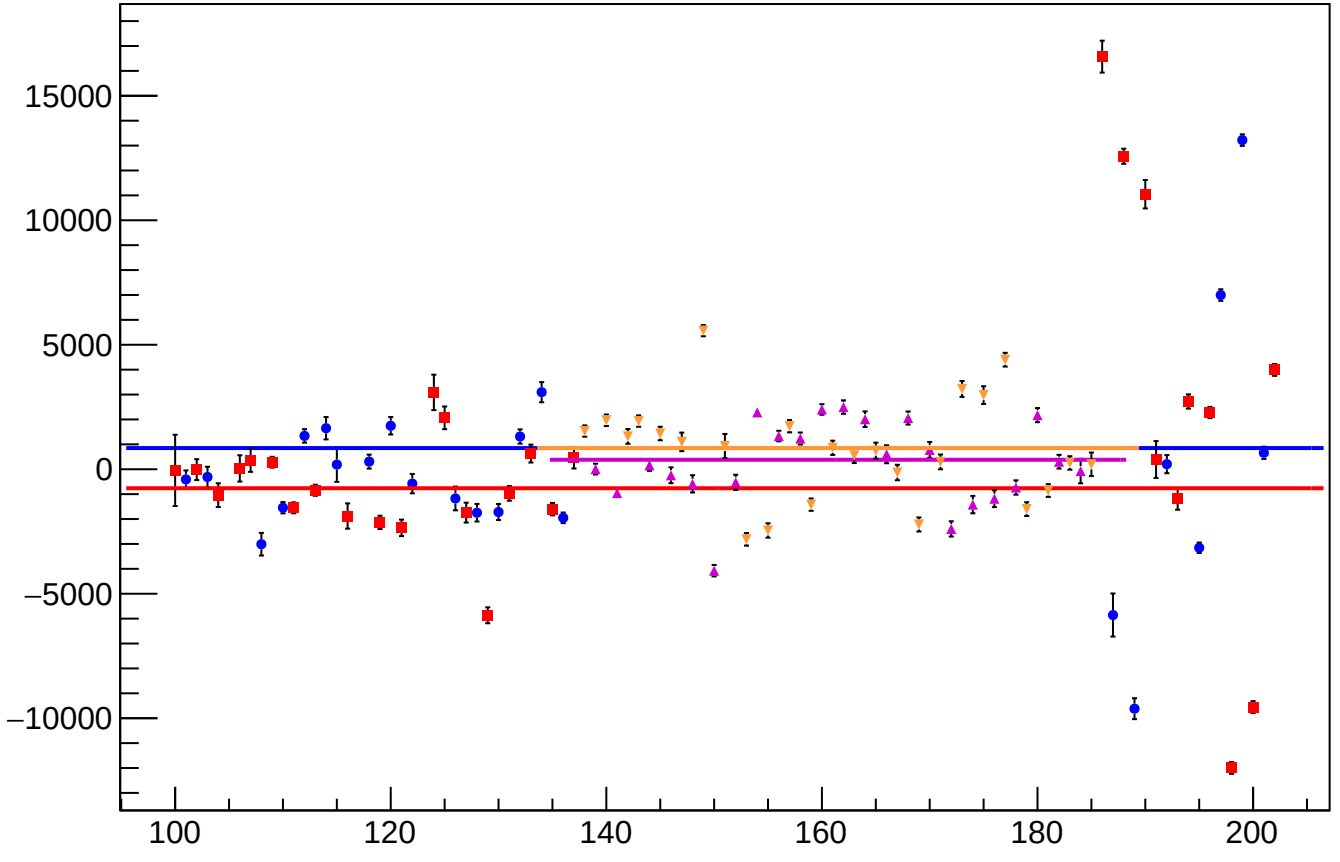
Right: 127.772+/-0.018 χ^2/NDF: 3636386.9/51

In: 137.797+/-0.018 χ^2/NDF:3550338.6/45

Out: 136.234+/-0.017 χ^2/NDF:3922124.6/53

All: 136.966+/-0.013 χ^2/NDF: 7476306.9/99

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 850.612+/-64.658 χ^2/NDF: 5188.7/22

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -762.831+/-59.835 χ^2/NDF: 7898.8/28

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

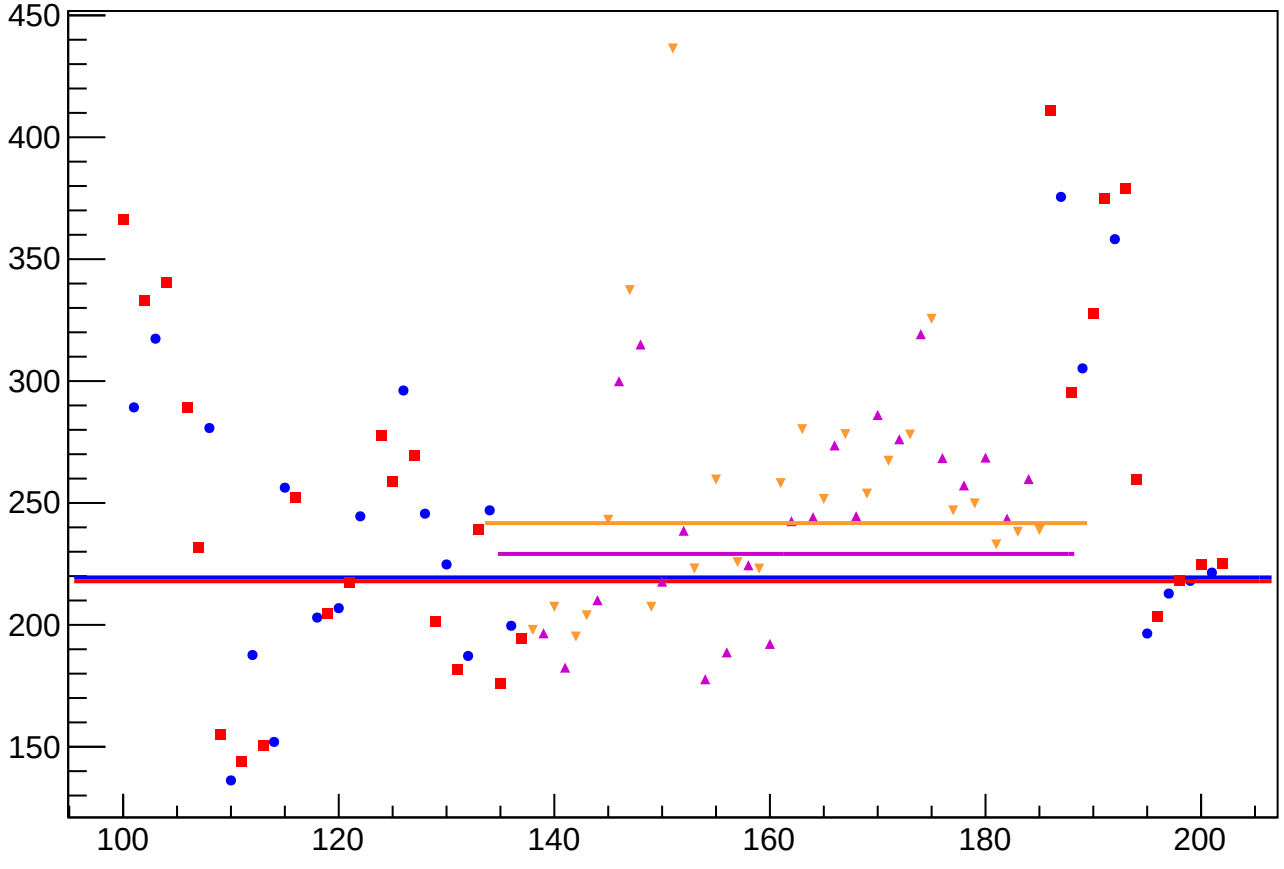
Right: -18.527+/-43.916 χ^2/NDF: 13422.9/51

In: 578.630+/-41.953 χ^2/NDF:6201.7/45

Out: 95.617+/-40.978 χ^2/NDF:9730.3/53

All: 331.445+/-29.315 χ^2/NDF: 15999.8/99

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.461+/-0.046 χ^2/NDF: 1171248.1/22

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 217.893+/-0.042 χ^2/NDF: 1905019.6/28

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

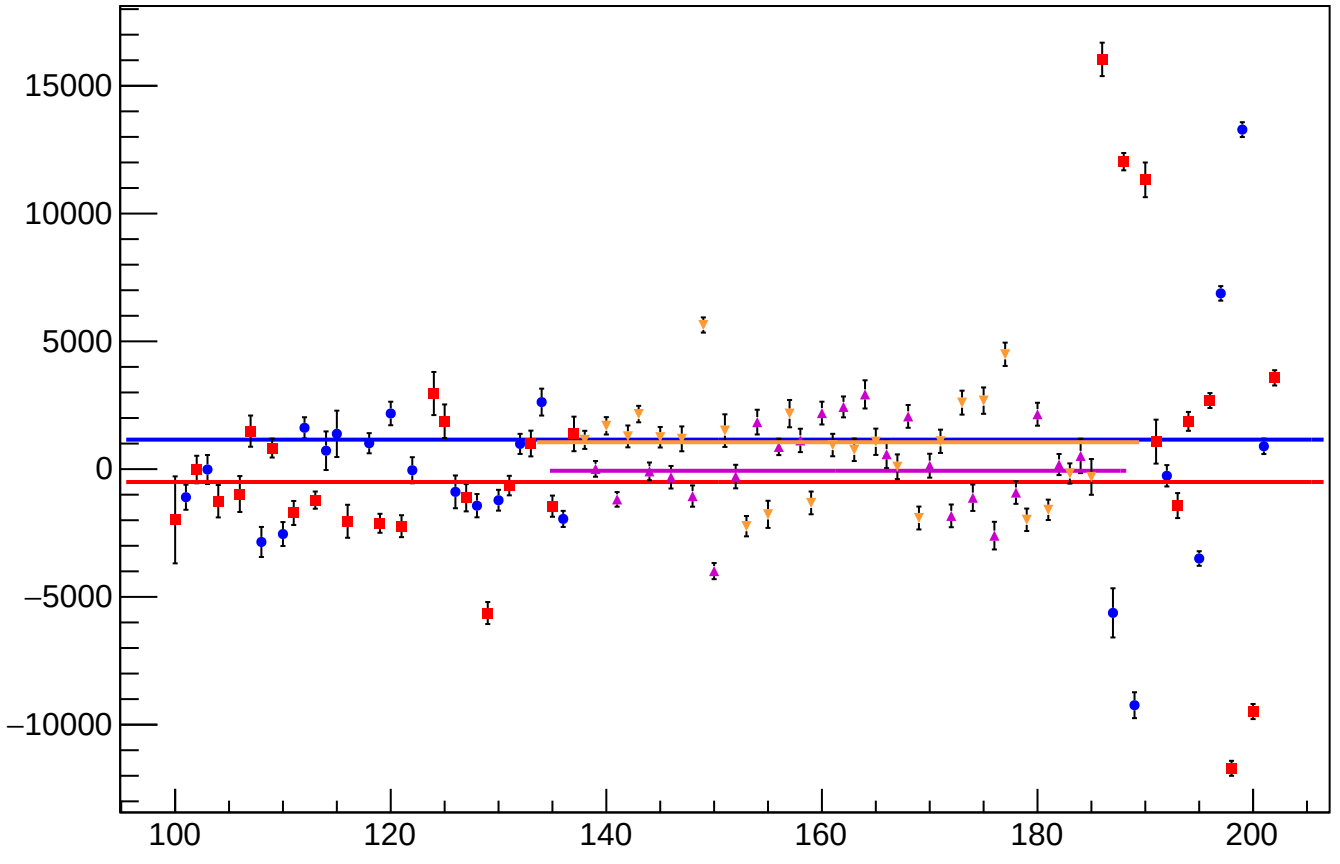
Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

Right: 218.616+/-0.031 χ^2/NDF: 3076901.8/51

In: 225.044+/-0.030 χ^2/NDF:2265958.9/45

Out: 230.558+/-0.029 χ^2/NDF:3060176.1/53

All: 227.866+/-0.021 χ^2/NDF: 5343815.5/99



Right In: 1153.858+/-87.695 χ^2/NDF: 3226.6/22

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -504.189+/-81.601 χ^2/NDF: 5316.4/28

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

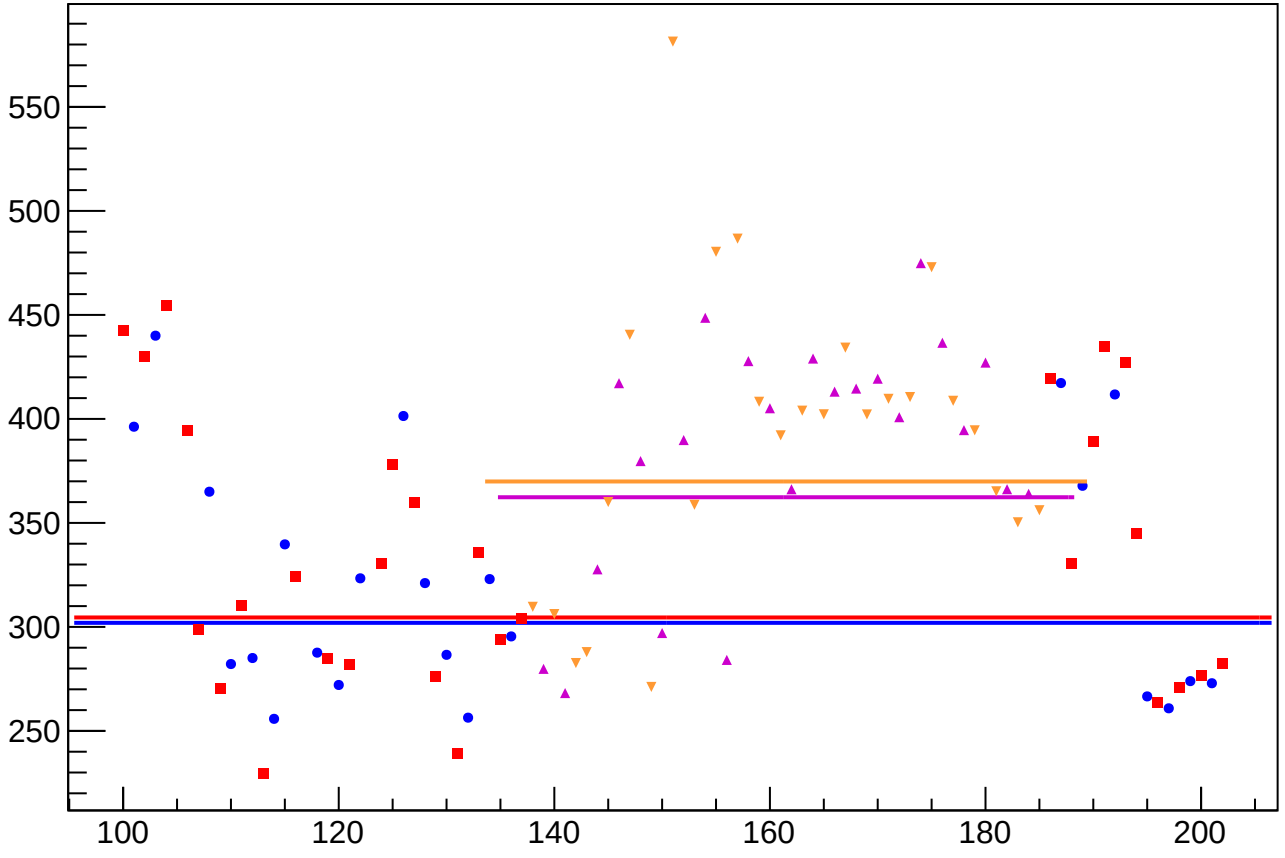
Right: 265.230+/-59.739 χ^2/NDF: 8734.6/51

In: 537.371+/-61.640 χ^2/NDF:3718.7/45

Out: 234.676+/-59.161 χ^2/NDF:6103.8/53

All: 379.812+/-42.683 χ^2/NDF: 9835.1/99

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 301.962+/-0.062 χ^2/NDF: 642455.3/22

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 304.541+/-0.058 χ^2/NDF: 915919.6/28

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

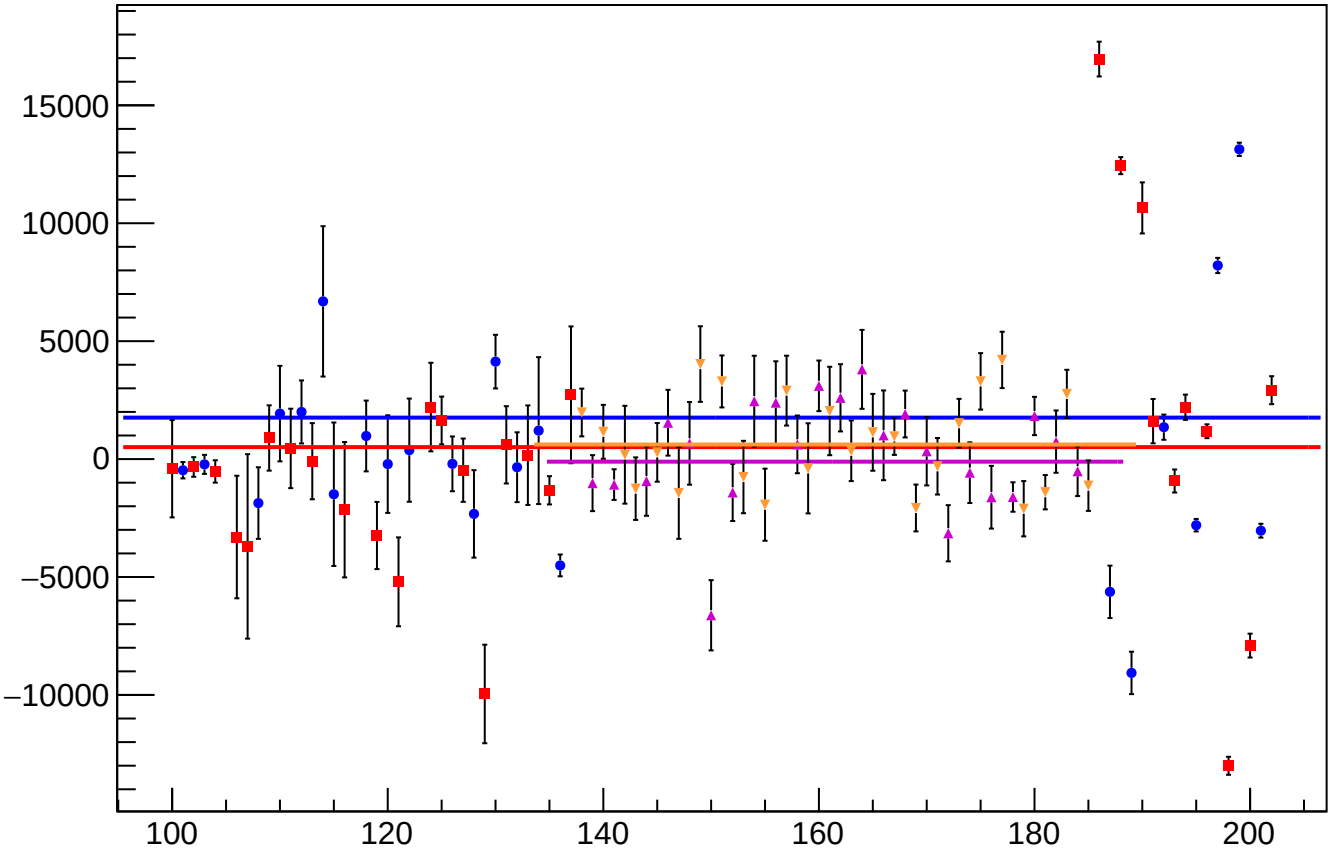
Right: 303.344+/-0.042 χ^2/NDF: 1559302.0/51

In: 332.510+/-0.044 χ^2/NDF:2175527.6/45

Out: 335.557+/-0.042 χ^2/NDF:2755313.8/53

All: 334.096+/-0.030 χ^2/NDF: 4933385.3/99

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 1758.271+/-113.577 χ^2/NDF: 3063.8/22

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 507.543+/-126.213 χ^2/NDF: 3312.2/28

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

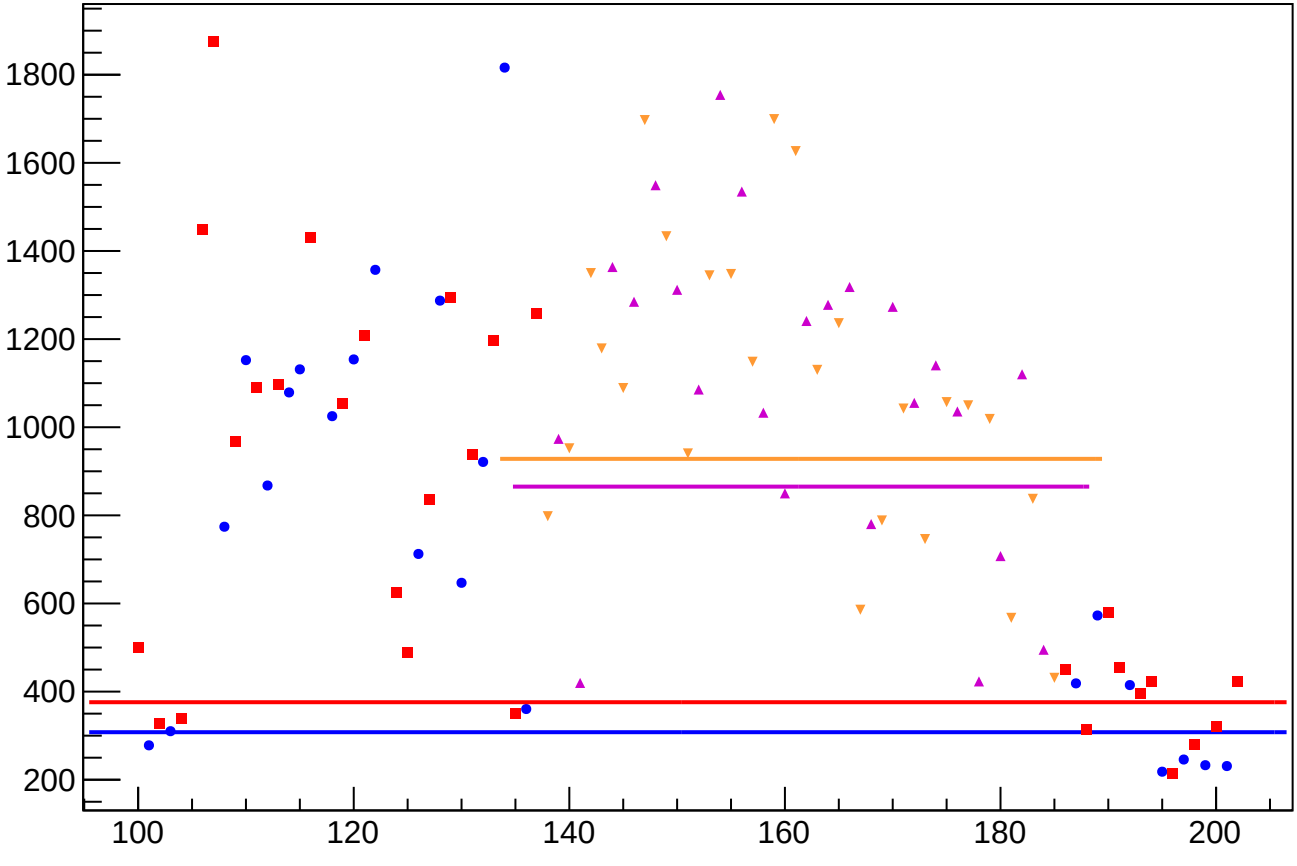
Right: 1198.630+/-84.426 χ^2/NDF: 6430.3/51

In: 1411.401+/-102.490 χ^2/NDF:3185.8/45

Out: 531.883+/-111.520 χ^2/NDF:3378.1/53

All: 1008.685+/-75.462 χ^2/NDF: 6597.6/99

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 307.863+/-0.080 χ^2/NDF: 5090454.3/22

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 375.926+/-0.089 χ^2/NDF: 5283077.5/28

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

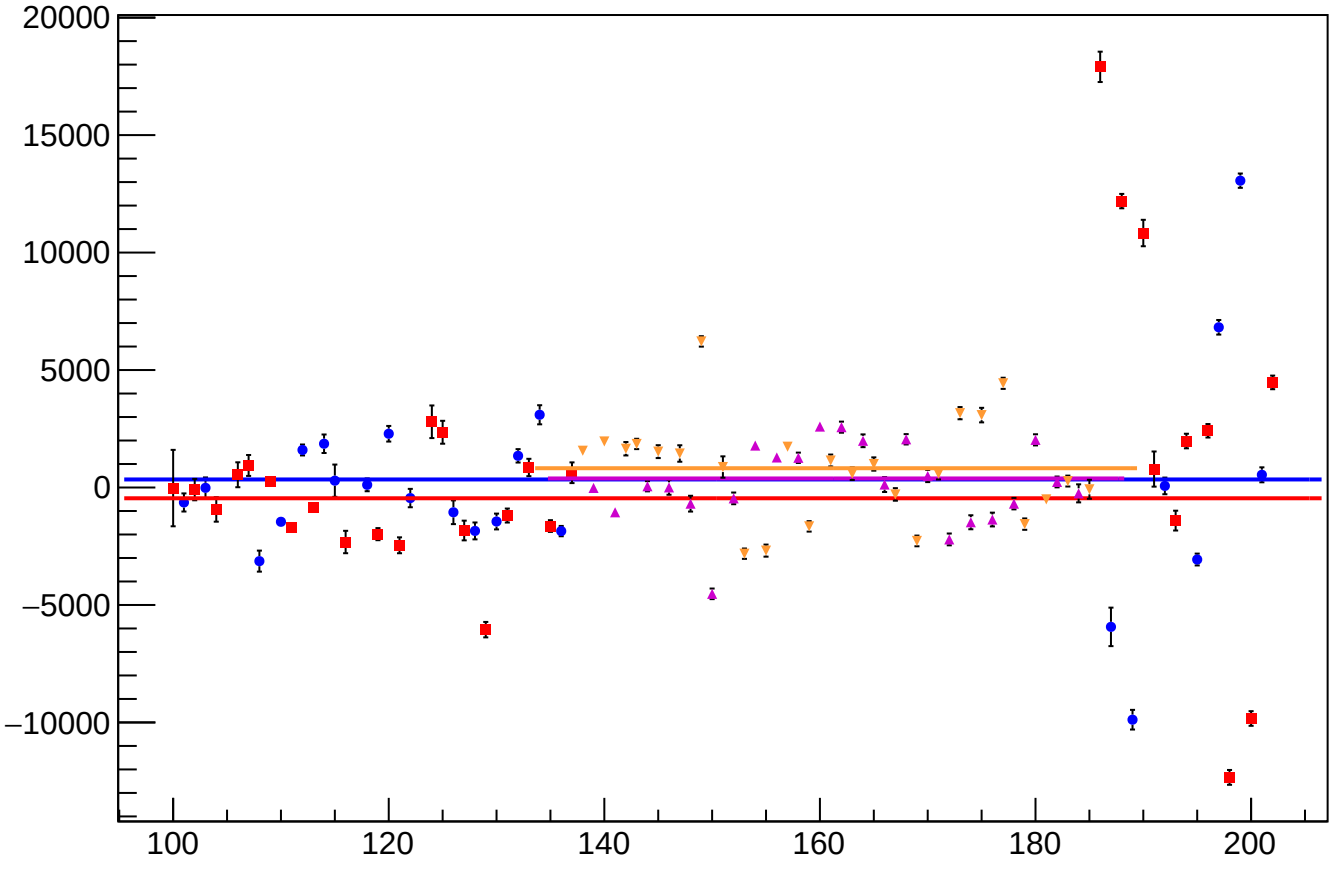
Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

Right: 338.318+/-0.060 χ^2/NDF: 10694912.8/51

In: 411.371+/-0.072 χ^2/NDF:18827651.9/45

Out: 497.038+/-0.079 χ^2/NDF:16976168.0/53

All: 450.596+/-0.053 χ^2/NDF: 36443626.2/99



Right In: 342.627+/-67.623 χ^2/NDF: 3476.9/22

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -458.426+/-61.352 χ^2/NDF: 6255.4/28

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

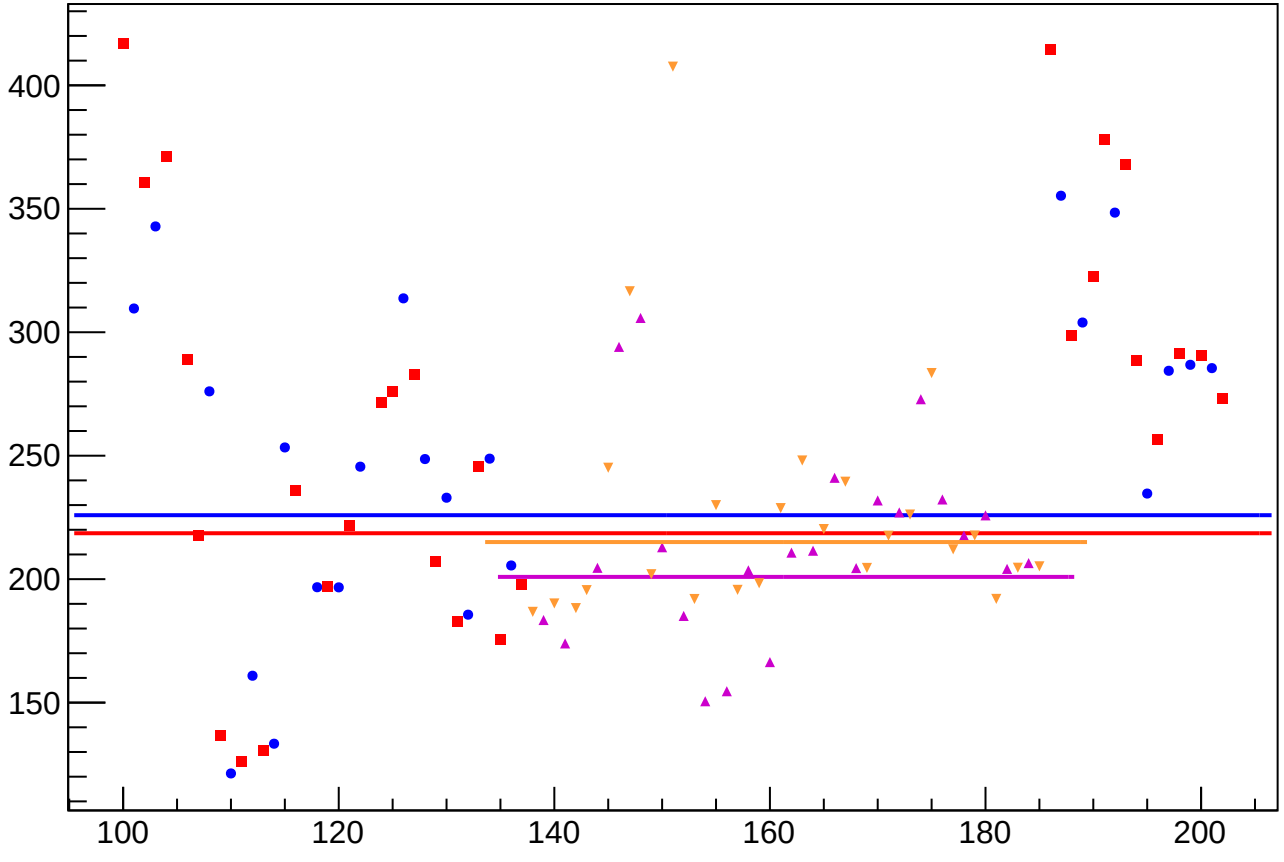
Right: -96.753+/-45.438 χ^2/NDF: 9809.3/51

In: 370.627+/-39.387 χ^2/NDF:4730.5/45

Out: 310.322+/-38.757 χ^2/NDF:8507.4/53

All: 339.988+/-27.625 χ^2/NDF: 13239.1/99

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 225.906+/-0.048 χ^2/NDF: 1818856.2/22

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 218.596+/-0.043 χ^2/NDF: 3027767.0/28

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

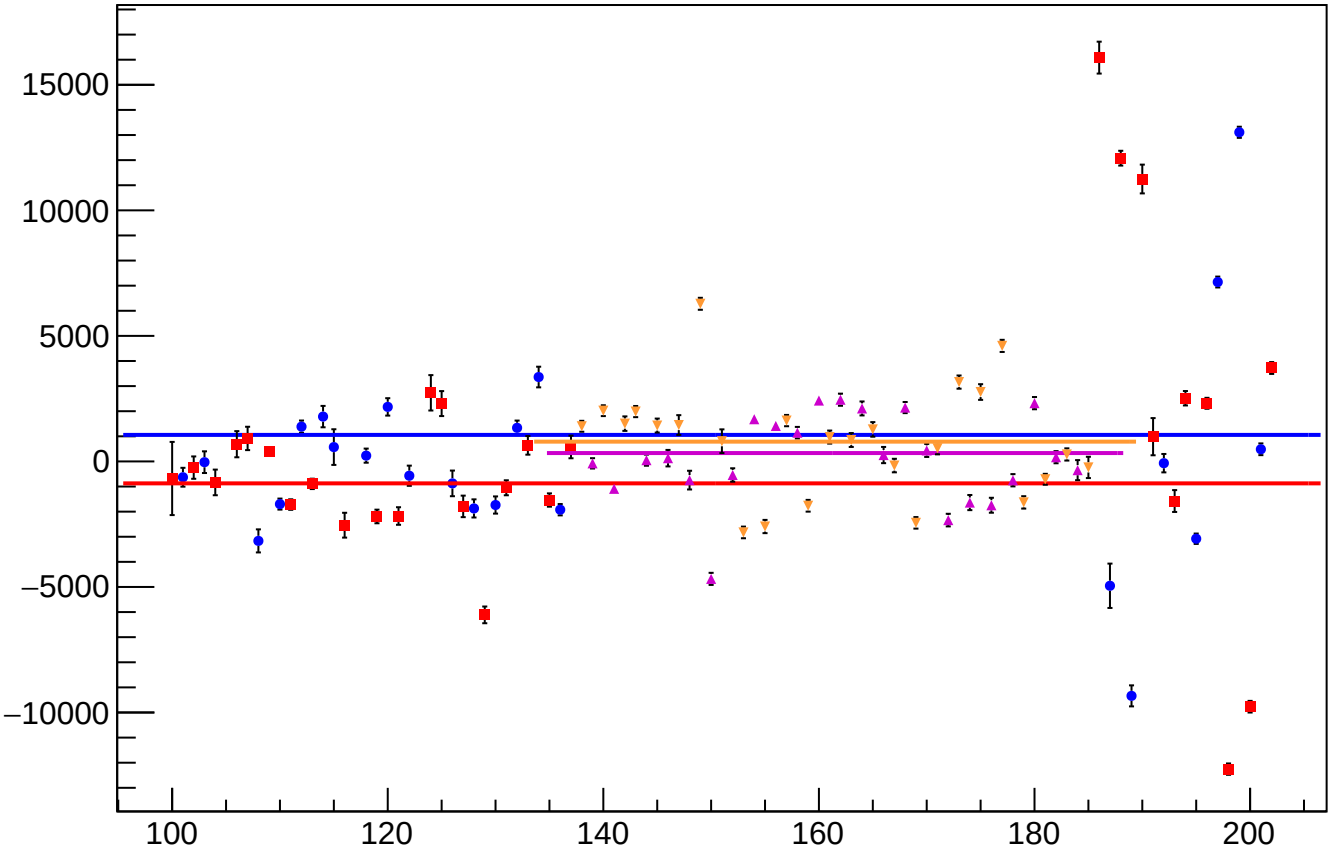
Right: 221.896+/-0.032 χ^2/NDF: 4859442.2/51

In: 209.394+/-0.028 χ^2/NDF:3105152.2/45

Out: 216.451+/-0.027 χ^2/NDF:3929625.3/53

All: 212.980+/-0.020 χ^2/NDF: 7067393.5/99

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 1056.293+/-63.921 χ^2/NDF: 5491.6/22

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -873.987+/-59.055 χ^2/NDF: 8319.8/28

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

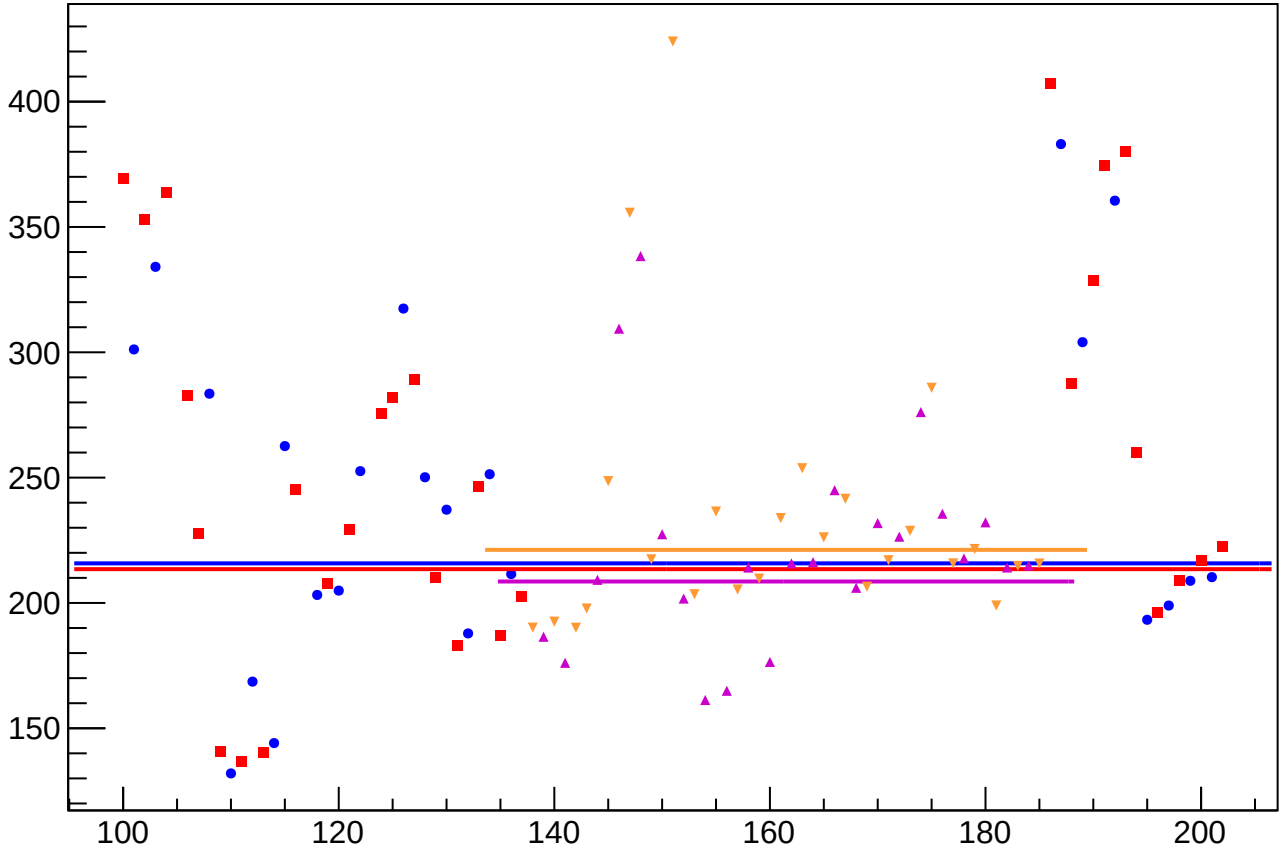
Right: 14.892+/-43.376 χ^2/NDF: 14303.4/51

In: 609.073+/-39.478 χ^2/NDF:6785.9/45

Out: 71.312+/-38.782 χ^2/NDF:10660.5/53

All: 335.410+/-27.666 χ^2/NDF: 17540.9/99

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 215.795+/-0.045 χ^2/NDF: 1401708.8/22

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 213.478+/-0.042 χ^2/NDF: 2251435.4/28

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

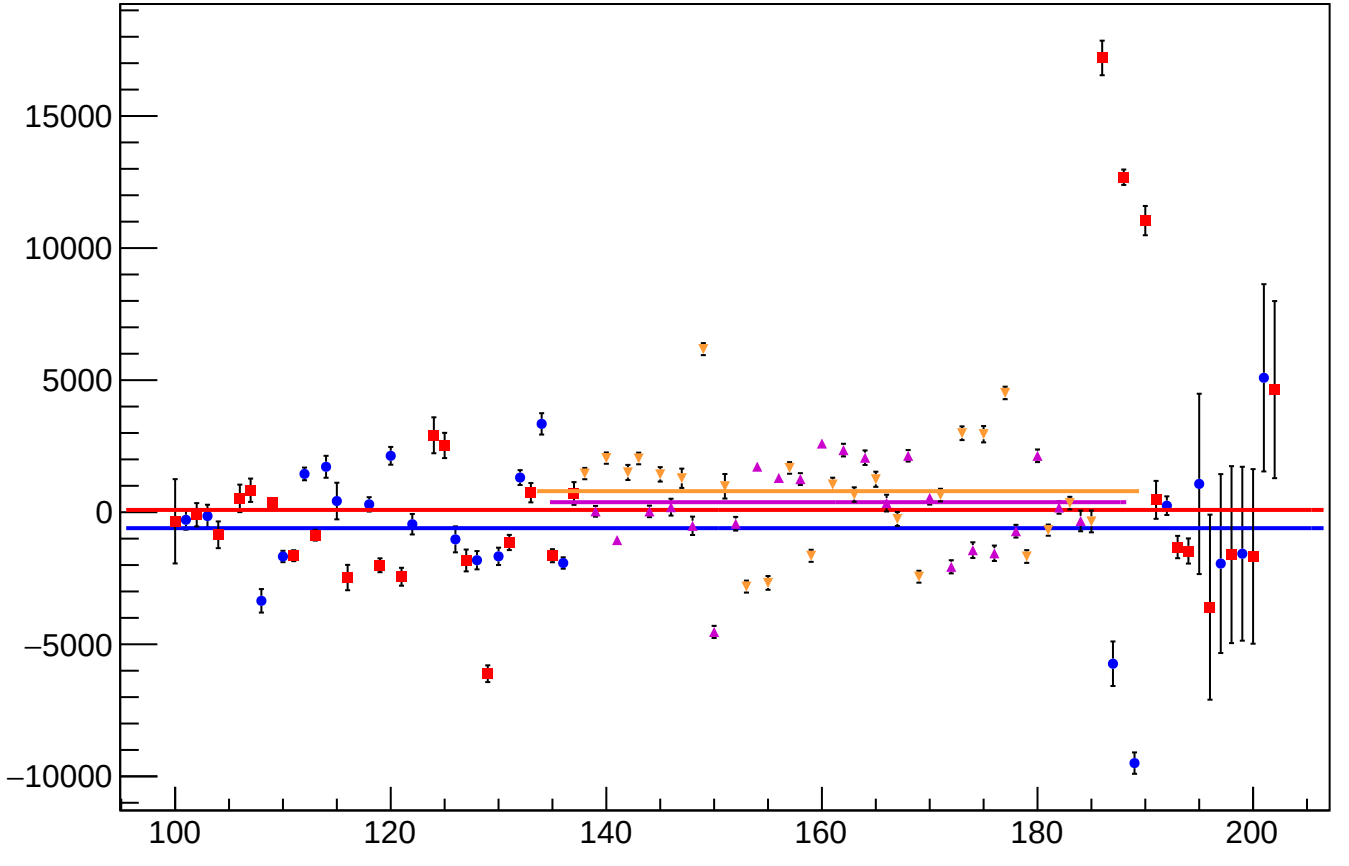
Right: 214.545+/-0.031 χ^2/NDF: 3654561.9/51

In: 211.317+/-0.028 χ^2/NDF:2453211.8/45

Out: 217.861+/-0.027 χ^2/NDF:3210331.6/53

All: 214.647+/-0.020 χ^2/NDF: 5691511.4/99

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -603.320+/-76.417 χ^2/NDF: 979.6/22

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 86.829+/-68.129 χ^2/NDF: 3733.6/28

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

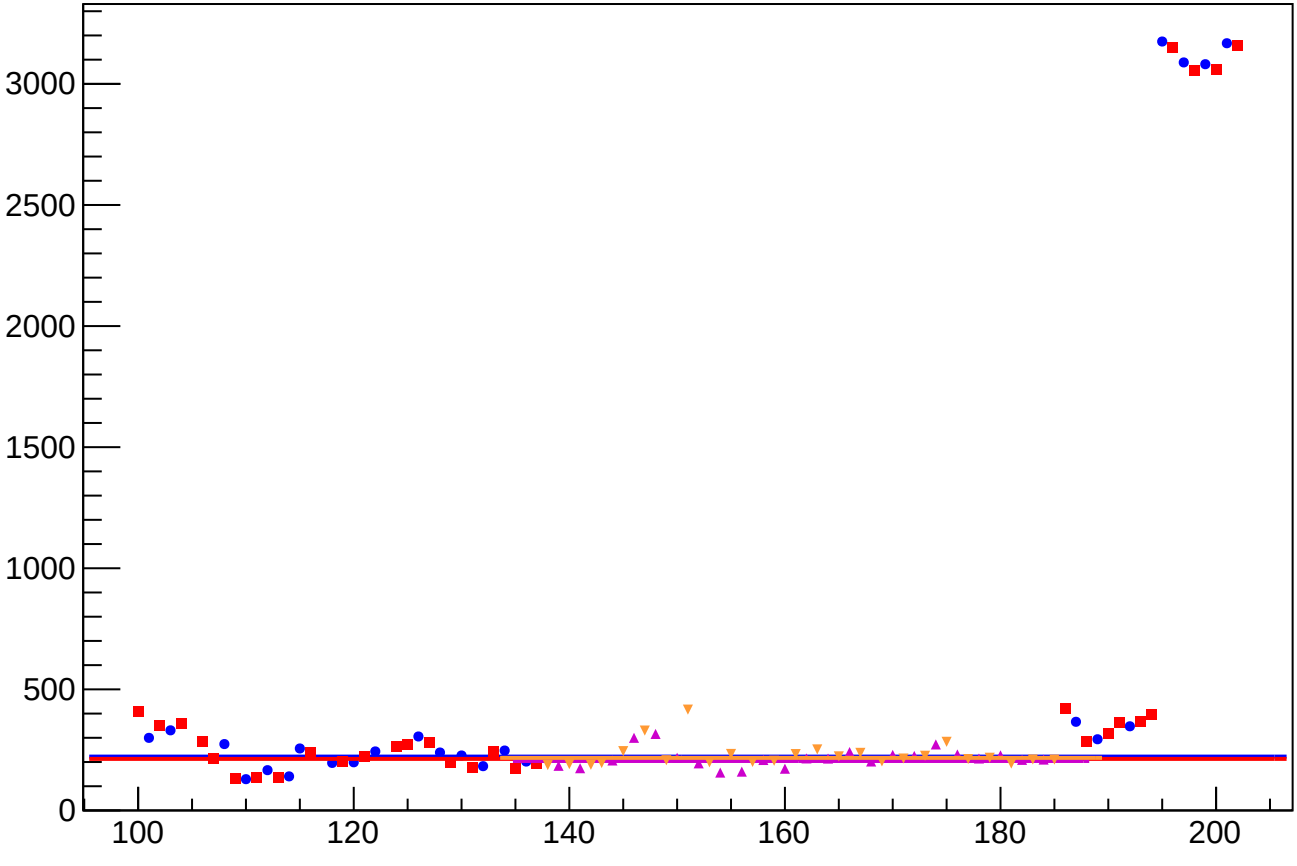
Right: -218.803+/-50.853 χ^2/NDF: 4758.6/51

In: 91.678+/-41.358 χ^2/NDF:2297.8/45

Out: 545.508+/-40.567 χ^2/NDF:5764.7/53

All: 322.971+/-28.961 χ^2/NDF: 8123.8/99

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 222.353+/-0.054 χ^2/NDF: 7157697.4/22

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 212.925+/-0.048 χ^2/NDF: 8494737.3/28

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

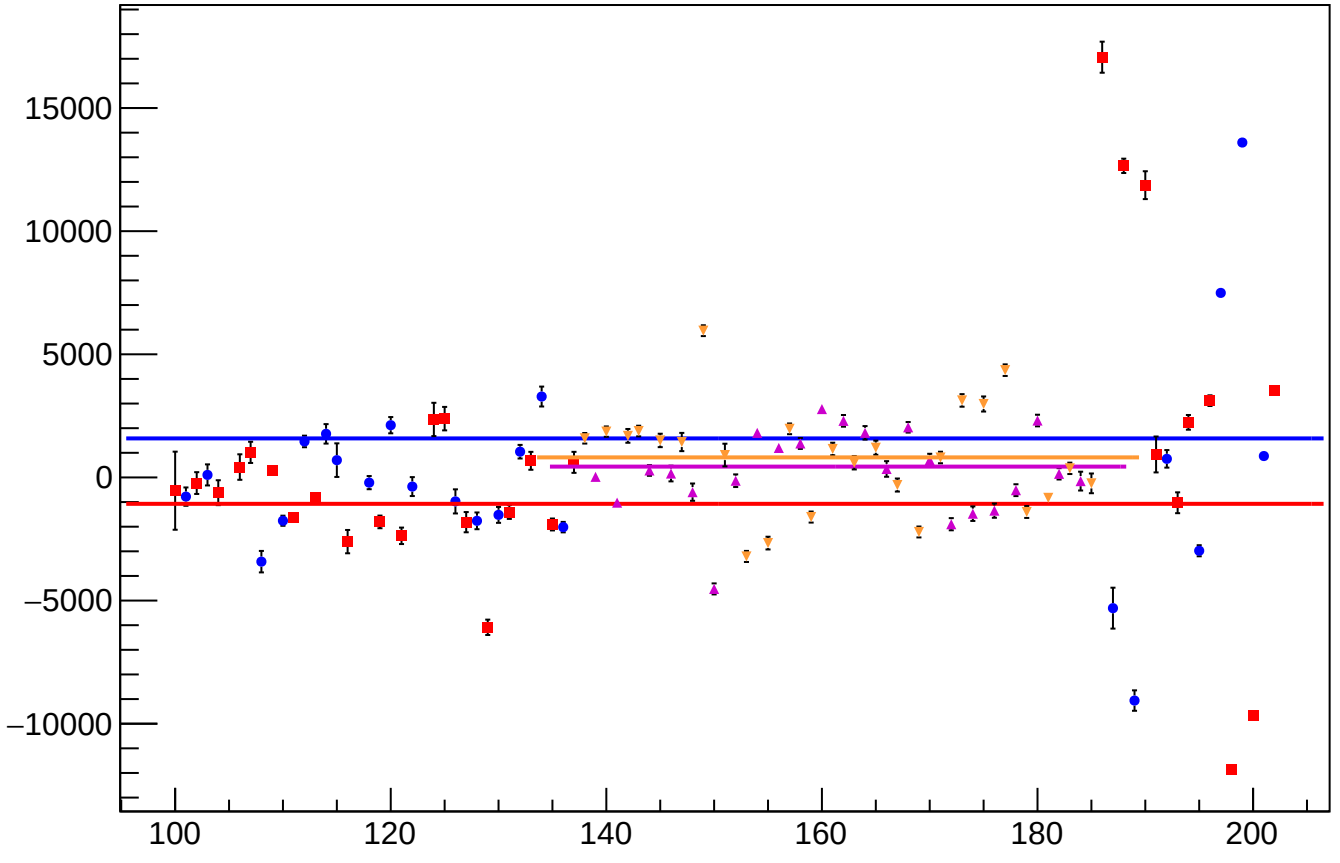
Right: 217.101+/-0.036 χ^2/NDF: 15669395.9/51

In: 209.594+/-0.029 χ^2/NDF:8251605.9/45

Out: 215.700+/-0.029 χ^2/NDF:9410322.3/53

All: 212.706+/-0.020 χ^2/NDF: 17684149.6/99

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 1584.667+/-60.185 χ^2/NDF: 7198.2/22

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -1071.856+/-55.175 χ^2/NDF: 9971.7/28

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

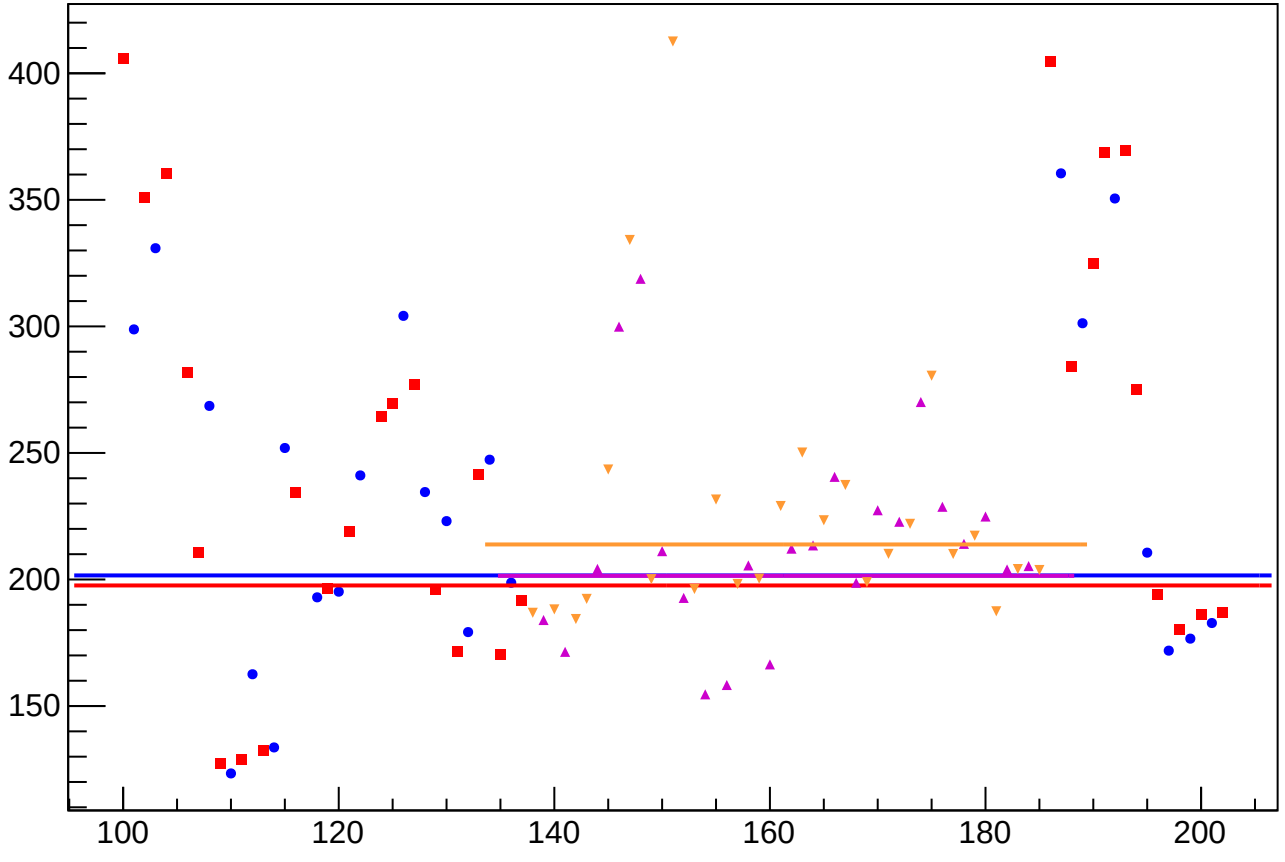
Right: 141.274+/-40.671 χ^2/NDF: 18228.4/51

In: 890.879+/-37.781 χ^2/NDF:8652.4/45

Out: -31.706+/-36.952 χ^2/NDF:12616.5/53

All: 419.360+/-26.417 χ^2/NDF: 21573.7/99

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.608+/-0.043 χ^2/NDF: 1600683.4/22

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 197.646+/-0.039 χ^2/NDF: 2634089.4/28

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

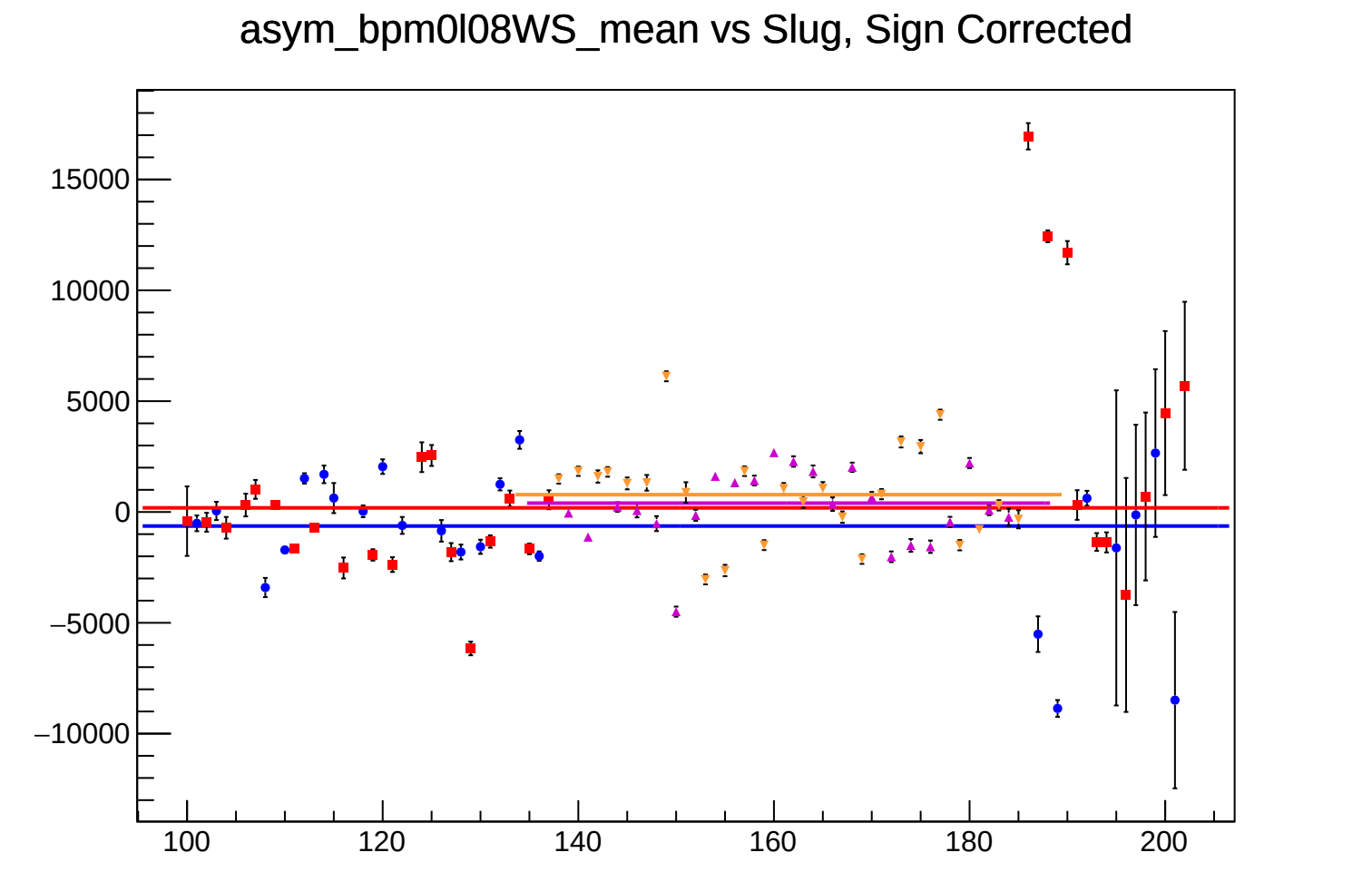
Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

Right: 199.455+/-0.029 χ^2/NDF: 4239483.3/51

In: 201.510+/-0.027 χ^2/NDF:2662664.5/45

Out: 206.581+/-0.026 χ^2/NDF:3692779.8/53

All: 204.101+/-0.019 χ^2/NDF: 6373861.2/99



Right In: -633.603+/-74.022 χ^2/NDF: 997.1/22

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 186.634+/-65.446 χ^2/NDF: 4276.0/28

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

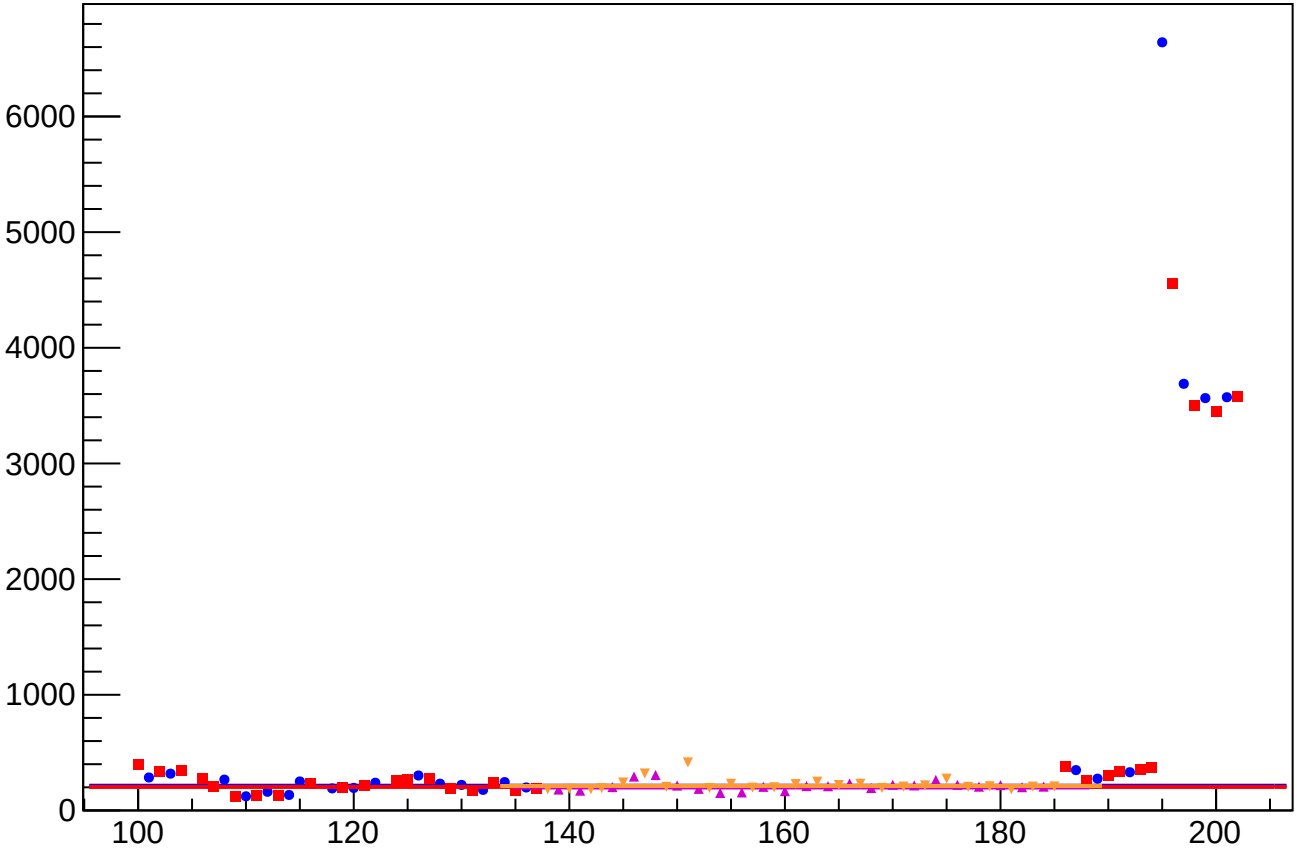
Right: -173.236+/-49.030 χ^2/NDF: 5342.0/51

In: 95.520+/-40.166 χ^2/NDF:2366.6/45

Out: 567.277+/-39.326 χ^2/NDF:6330.2/53

All: 336.384+/-28.100 χ^2/NDF: 8767.2/99

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 213.775+/-0.052 χ^2/NDF: 7424916.0/22

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 203.206+/-0.046 χ^2/NDF: 8602043.5/28

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

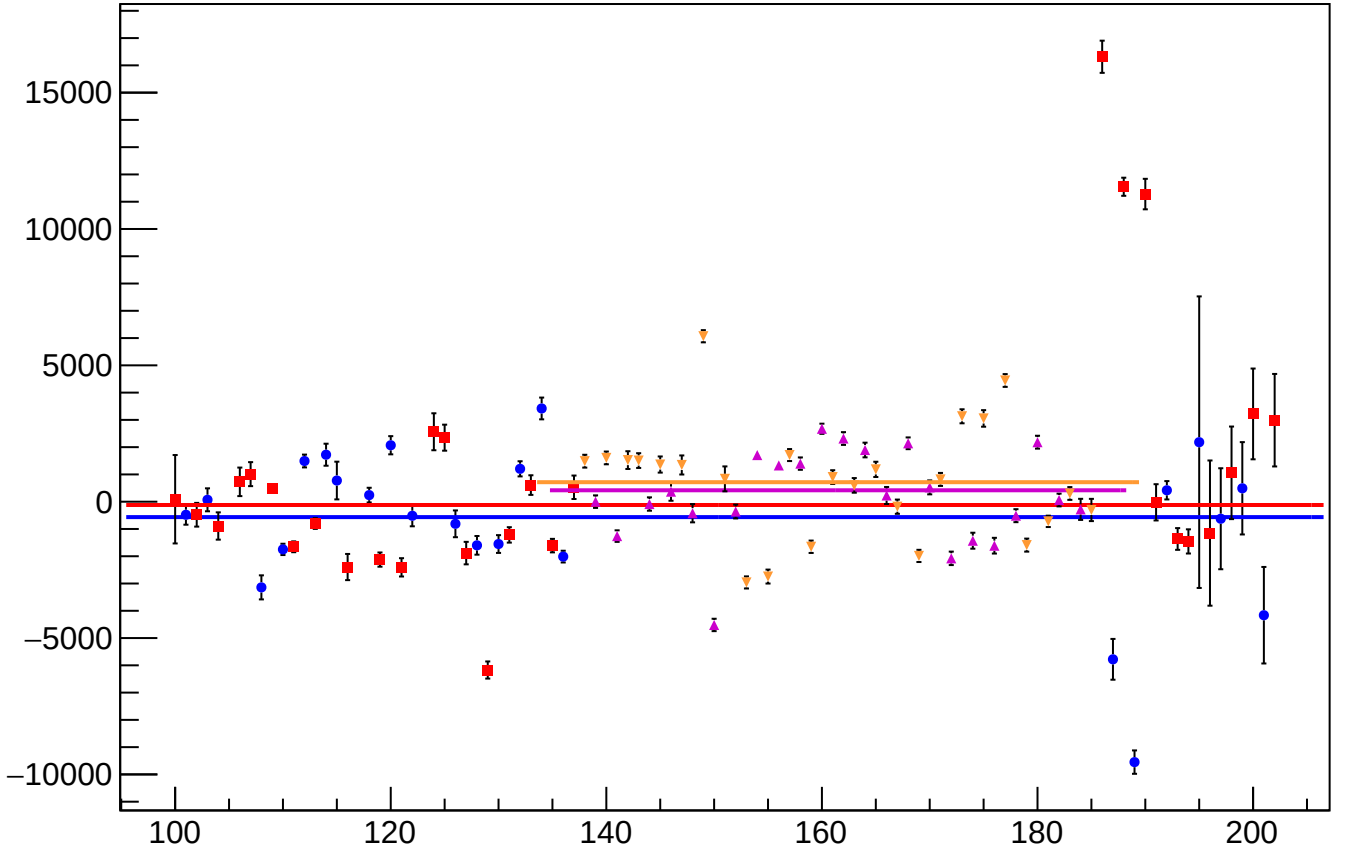
Right: 207.843+/-0.035 χ^2/NDF: 16049843.6/51

In: 203.015+/-0.028 χ^2/NDF:8491272.4/45

Out: 208.503+/-0.028 χ^2/NDF:9557522.8/53

All: 205.817+/-0.020 χ^2/NDF: 18067855.3/99

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -564.870+/-75.083 χ^2/NDF: 957.8/22

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -120.704+/-67.133 χ^2/NDF: 3166.5/28

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

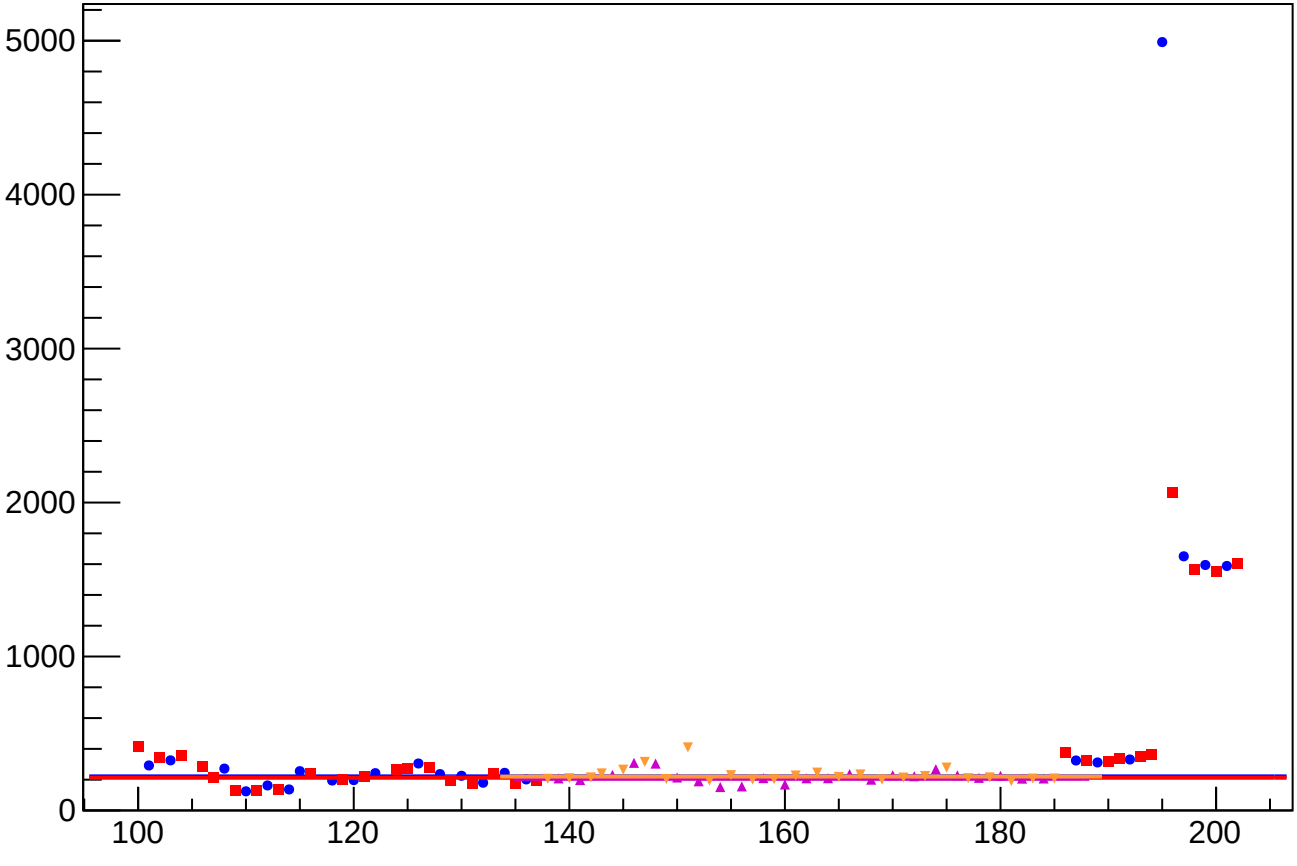
Right: -318.036+/-50.046 χ^2/NDF: 4143.8/51

In: 120.433+/-41.341 χ^2/NDF:2318.3/45

Out: 408.760+/-40.666 χ^2/NDF:5182.8/53

All: 266.969+/-28.991 χ^2/NDF: 7525.8/99

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 221.328+/-0.053 χ^2/NDF: 6680849.0/22

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 212.566+/-0.047 χ^2/NDF: 7588377.2/28

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

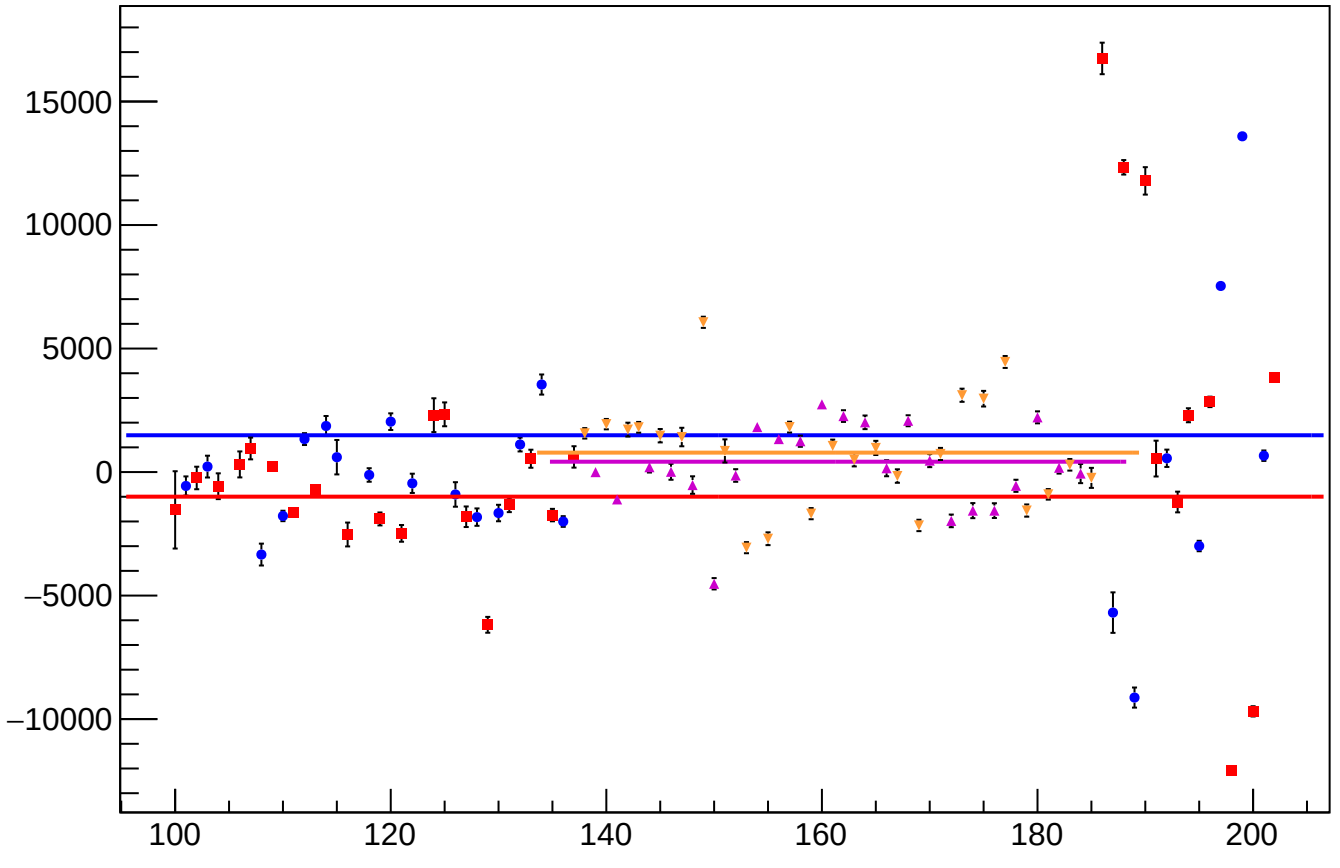
Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

Right: 216.459+/-0.035 χ^2/NDF: 14284363.6/51

In: 210.286+/-0.029 χ^2/NDF:7756897.5/45

Out: 217.364+/-0.029 χ^2/NDF:8404213.3/53

All: 213.883+/-0.020 χ^2/NDF: 16190909.7/99



Right In: 1489.885+/-61.056 χ^2/NDF: 7040.7/22

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -995.710+/-56.173 χ^2/NDF: 9635.6/28

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

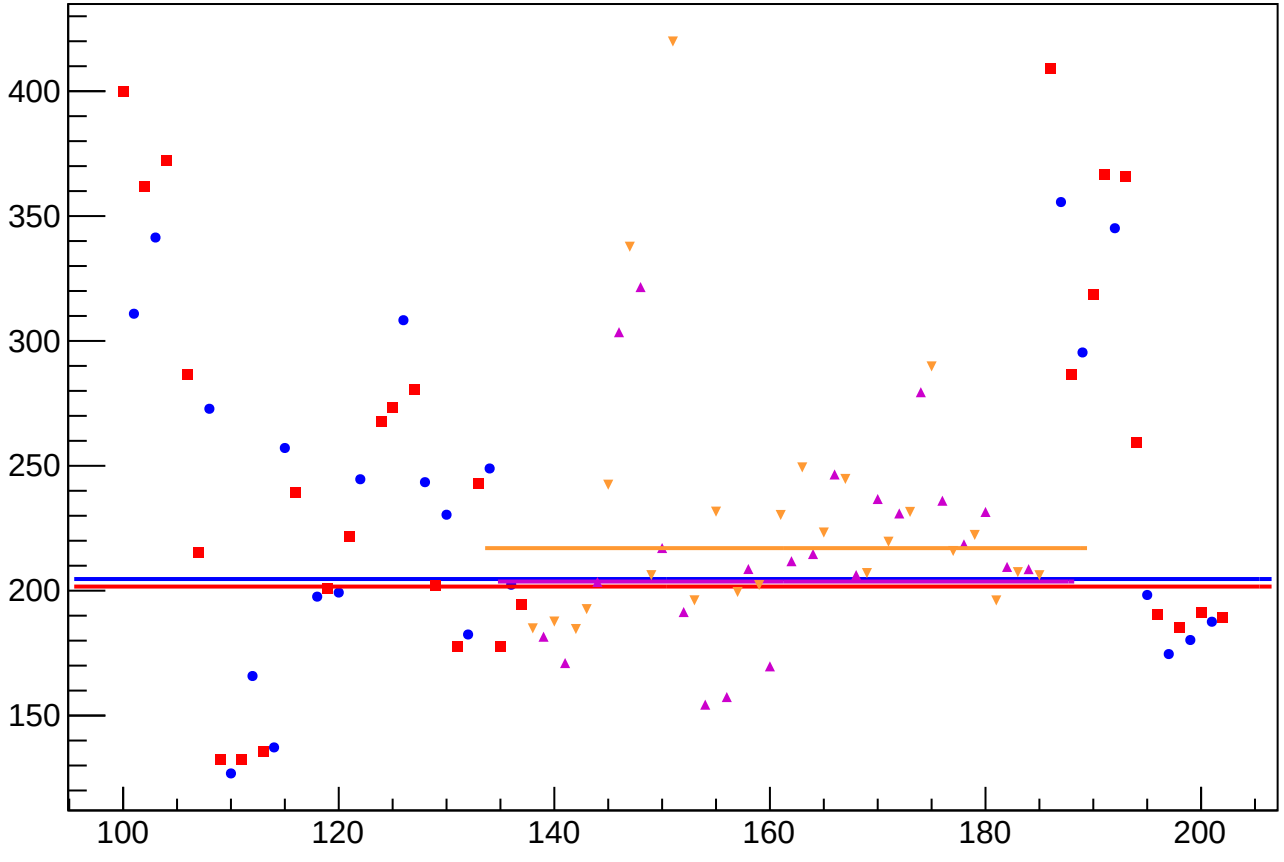
Right: 143.729+/-41.339 χ^2/NDF: 17573.9/51

In: 839.996+/-38.287 χ^2/NDF:8438.4/45

Out: -10.281+/-37.565 χ^2/NDF:12129.9/53

All: 406.761+/-26.814 χ^2/NDF: 20819.6/99

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.671+/-0.043 χ^2/NDF: 1545355.2/22

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.650+/-0.040 χ^2/NDF: 2476110.3/28

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

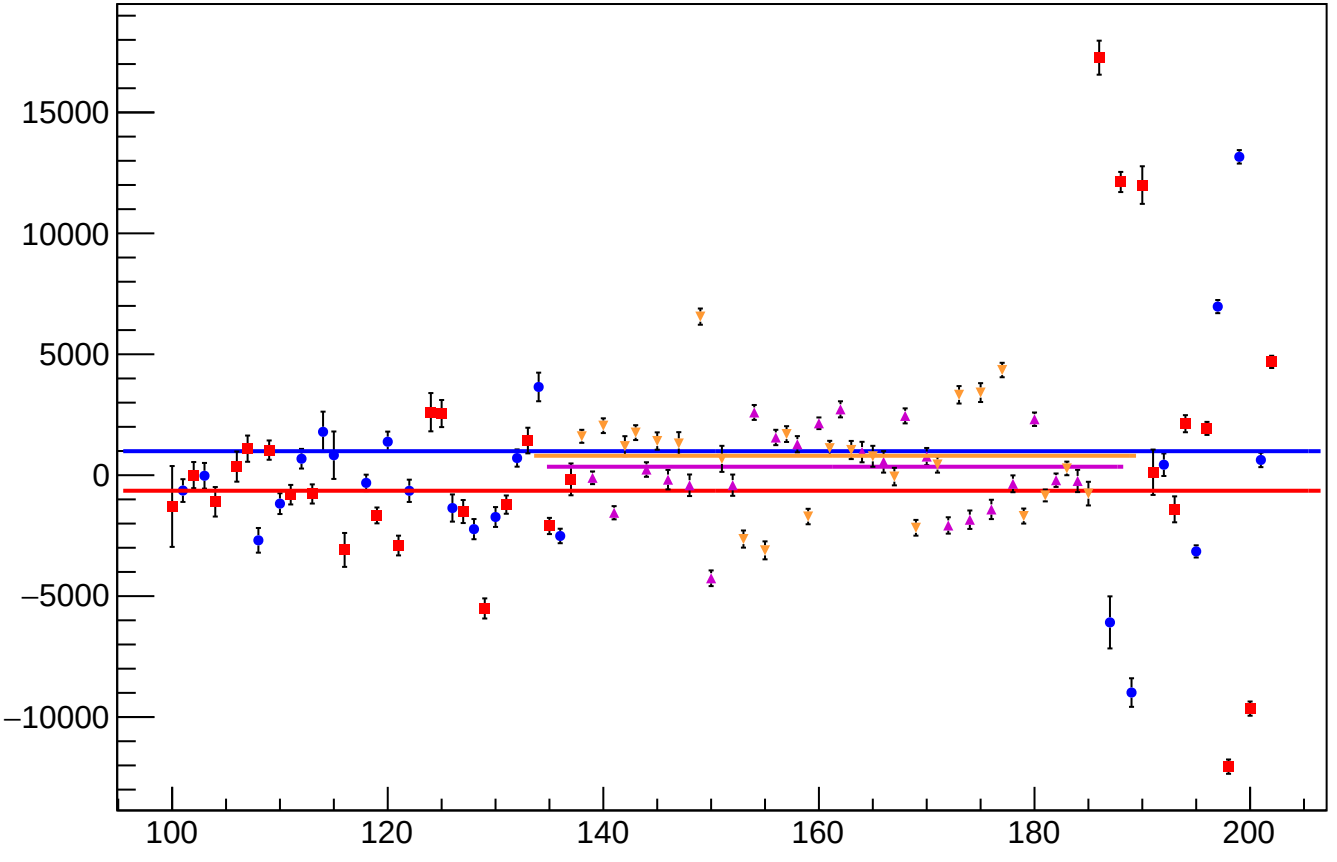
Right: 203.035+/-0.029 χ^2/NDF: 4024117.5/51

In: 204.057+/-0.027 χ^2/NDF:2711022.6/45

Out: 210.157+/-0.027 χ^2/NDF:3542273.4/53

All: 207.165+/-0.019 χ^2/NDF: 6279162.0/99

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 993.335+/-83.542 χ^2/NDF: 3387.9/22

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -642.523+/-79.126 χ^2/NDF: 5187.6/28

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

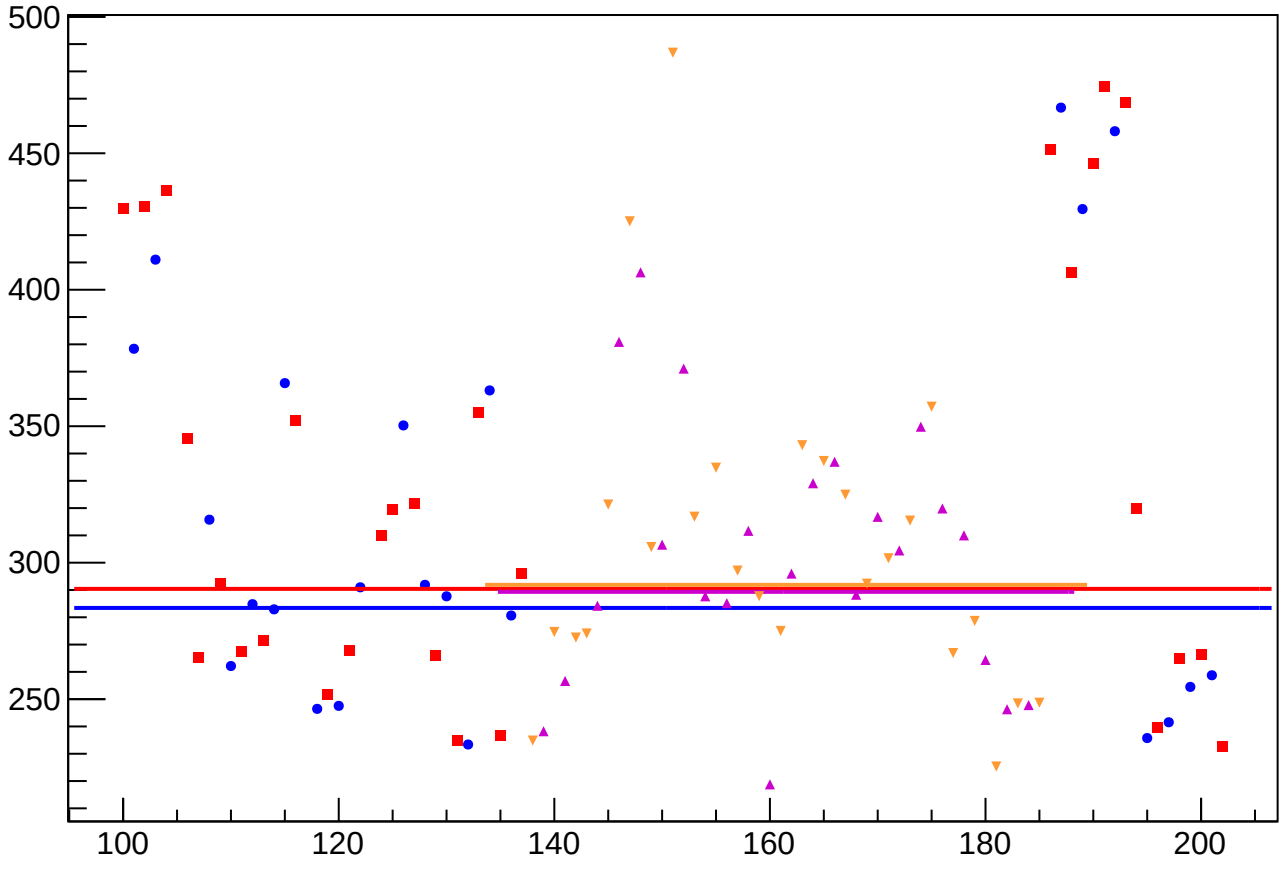
Right: 131.026+/-57.448 χ^2/NDF: 8777.6/51

In: 610.877+/-53.193 χ^2/NDF:4079.2/45

Out: 192.557+/-51.438 χ^2/NDF:6438.2/53

All: 394.700+/-36.977 χ^2/NDF: 10549.3/99

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 283.426+/-0.059 χ^2/NDF: 983703.6/22

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 290.406+/-0.056 χ^2/NDF: 1344400.7/28

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

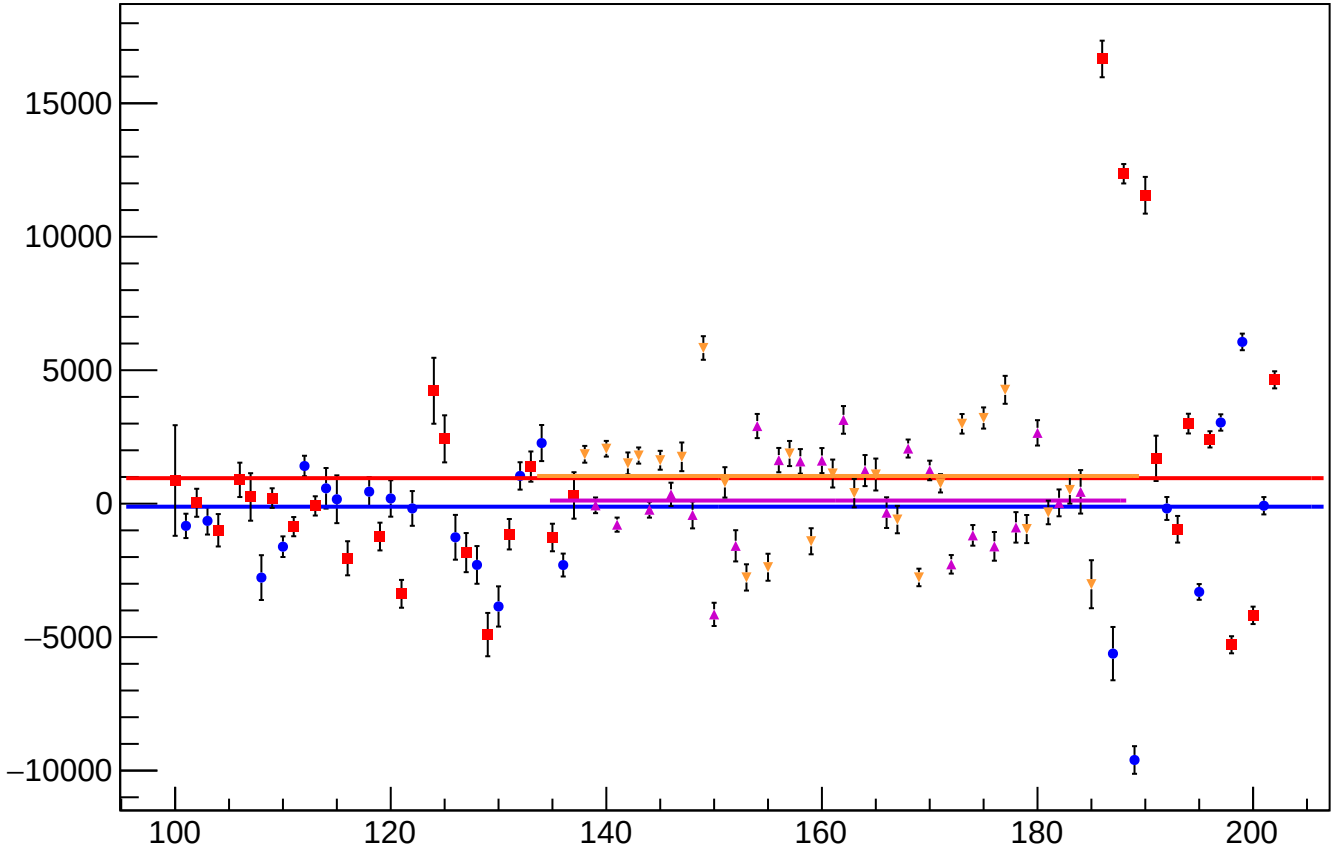
Right: 287.105+/-0.041 χ^2/NDF: 2335465.1/51

In: 286.931+/-0.038 χ^2/NDF:1798230.2/45

Out: 291.259+/-0.036 χ^2/NDF:2304721.8/53

All: 289.167+/-0.026 χ^2/NDF: 4109793.3/99

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -113.167+/-98.467 χ^2/NDF: 1110.6/22

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 955.763+/-89.884 χ^2/NDF: 2846.8/28

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

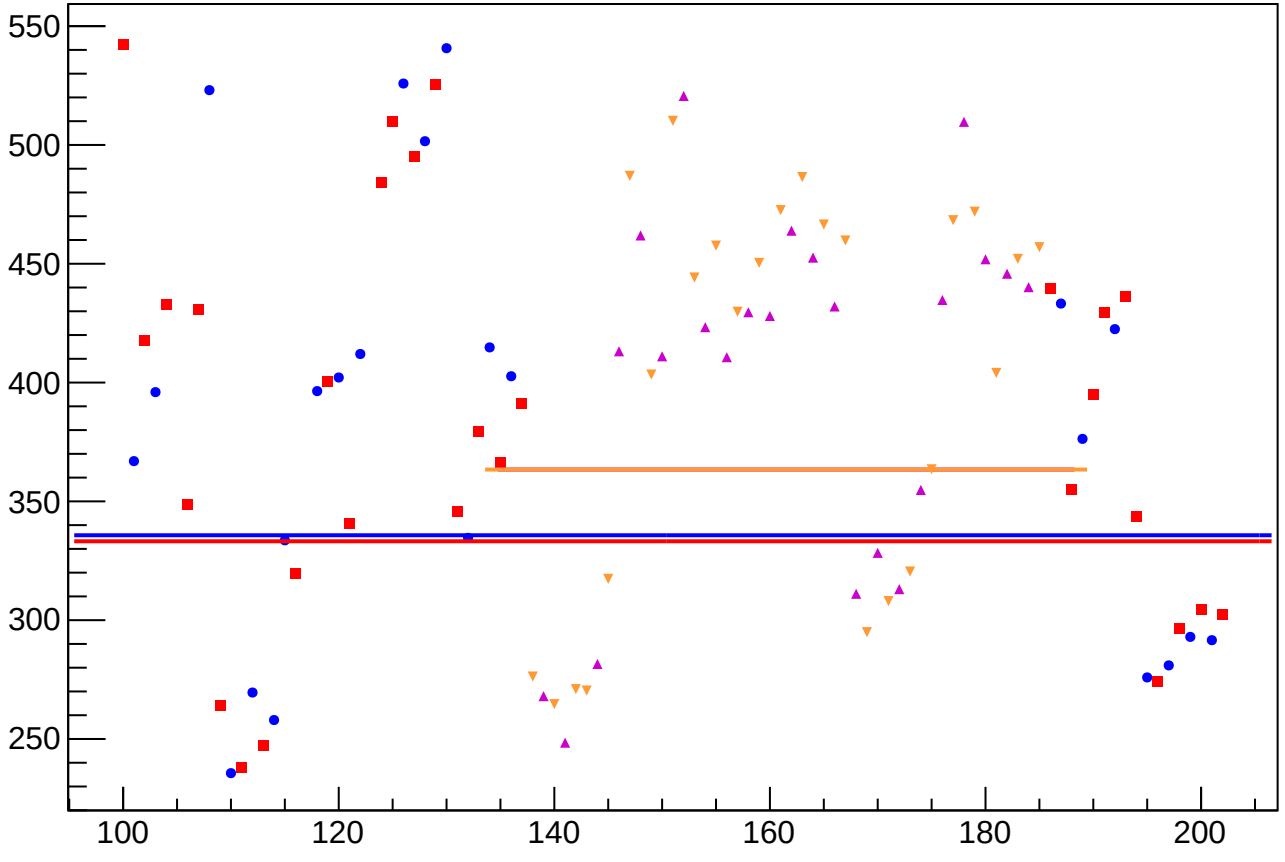
Right: 469.905+/-66.385 χ^2/NDF: 4021.7/51

In: 15.612+/-65.391 χ^2/NDF:1484.0/45

Out: 998.728+/-61.835 χ^2/NDF:3417.5/53

All: 534.622+/-44.929 χ^2/NDF: 5020.8/99

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 335.738+/-0.070 χ^2/NDF: 1193447.7/22

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 333.206+/-0.064 χ^2/NDF: 1181733.4/28

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

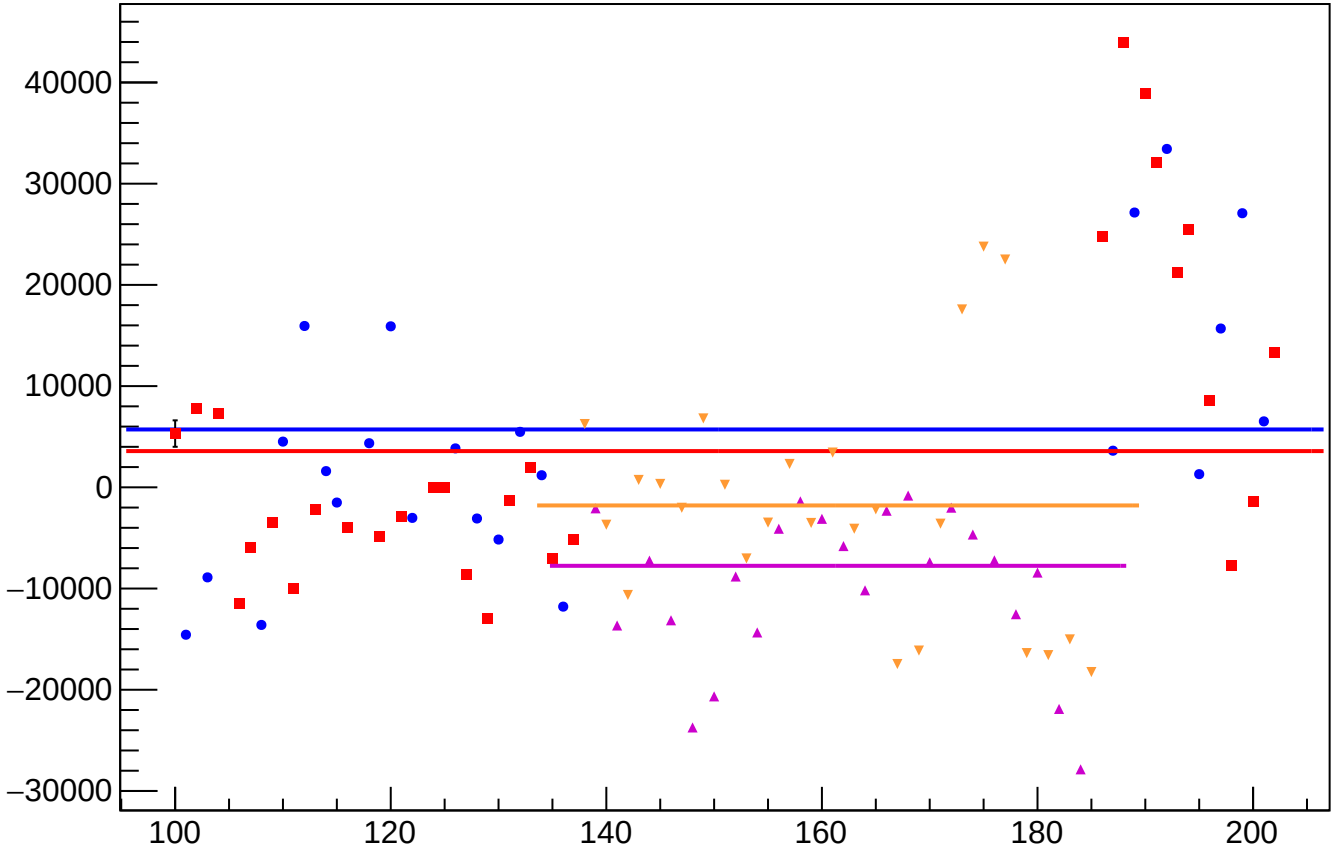
Right: 334.357+/-0.047 χ^2/NDF: 2375902.4/51

In: 351.193+/-0.046 χ^2/NDF:2993189.0/45

Out: 349.103+/-0.044 χ^2/NDF:3241003.8/53

All: 350.090+/-0.032 χ^2/NDF: 6235271.1/99

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5716.885+/-44.476 χ^2/NDF: 88179.3/22

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3579.838+/-41.172 χ^2/NDF: 135638.5/28

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

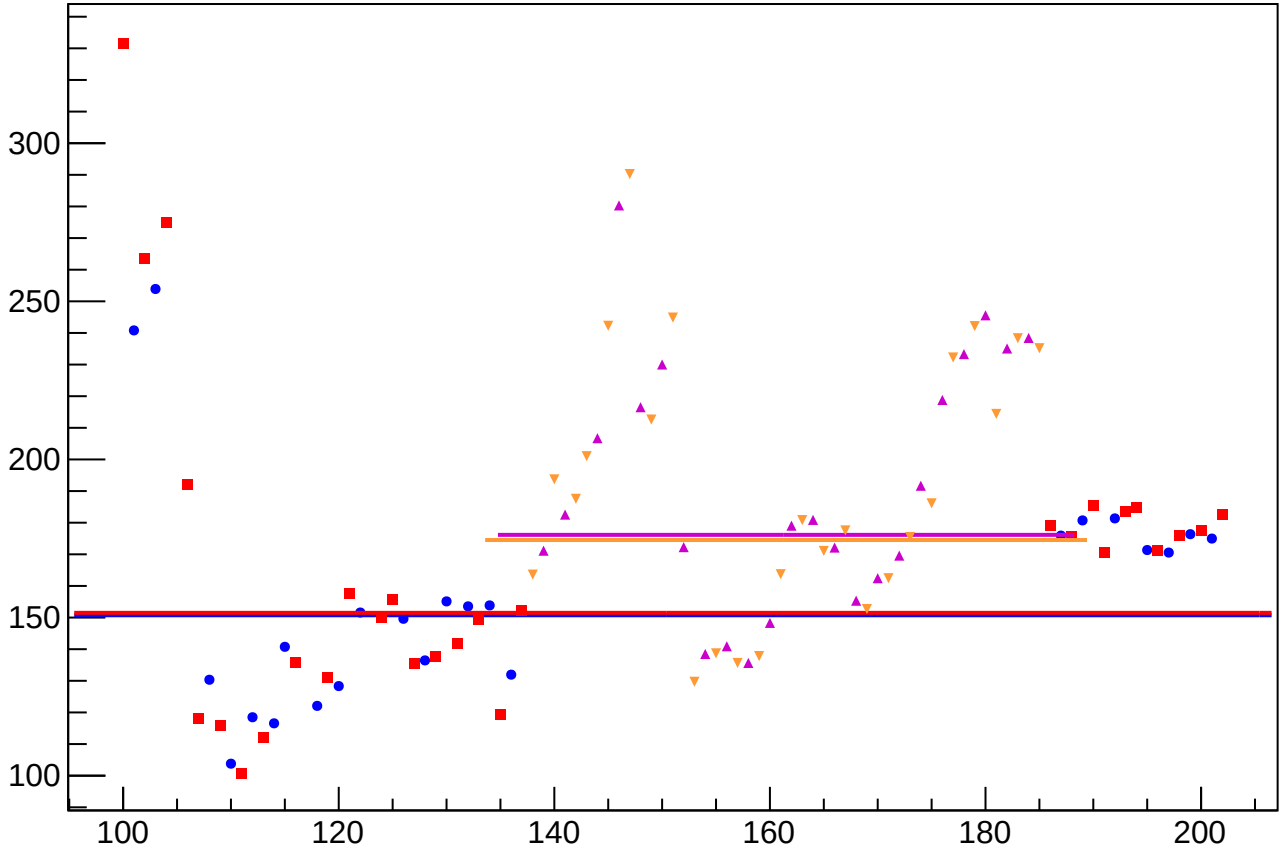
Right: 4566.047+/-30.213 χ^2/NDF: 225061.2/51

In: -1313.390+/-30.754 χ^2/NDF:159335.7/45

Out: 877.650+/-29.020 χ^2/NDF:209945.0/53

All: -154.372+/-21.106 χ^2/NDF: 371965.7/99

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 150.732+/-0.031 χ^2/NDF: 964358.5/22

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 151.496+/-0.029 χ^2/NDF: 1418465.5/28

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

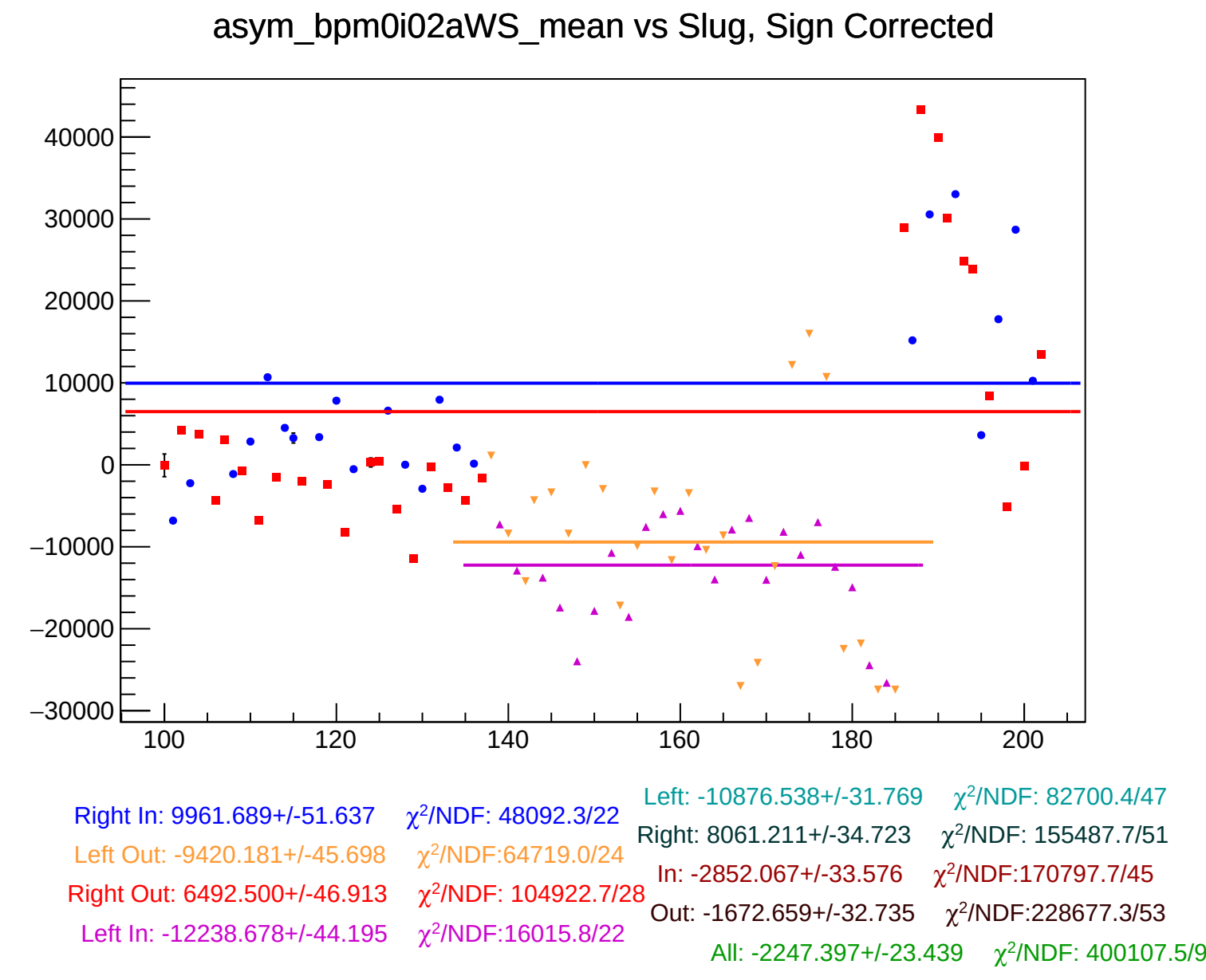
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 151.143+/-0.021 χ^2/NDF: 2383141.8/51

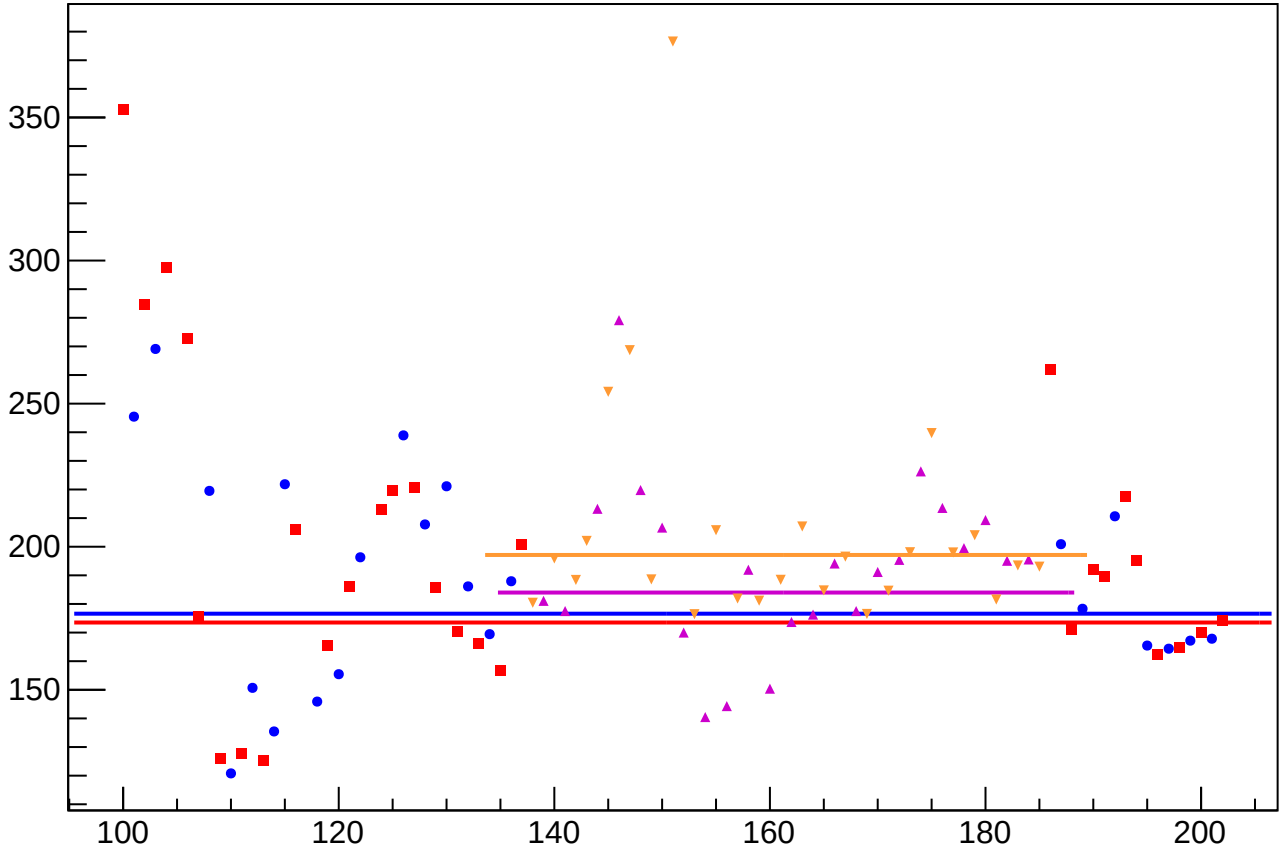
In: 163.999+/-0.022 χ^2/NDF:2672444.6/45

Out: 163.082+/-0.021 χ^2/NDF:3392671.6/53

All: 163.514+/-0.015 χ^2/NDF: 6066058.0/99


asym_bpm0i02aWS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 9961.689+/-51.637 χ²/NDF: 48092.3/22
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: 6492.500+/-46.913 χ²/NDF: 104922.7/28
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10876.538+/-31.769 χ²/NDF: 82700.4/47
Right: 8061.211+/-34.723 χ²/NDF: 155487.7/51
In: -2852.067+/-33.576 χ²/NDF:170797.7/45
Out: -1672.659+/-32.735 χ²/NDF:228677.3/53
All: -2247.397+/-23.439 χ²/NDF: 400107.5/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.598+/-0.037 χ^2/NDF: 759488.6/22

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.516+/-0.033 χ^2/NDF: 1193304.1/28

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

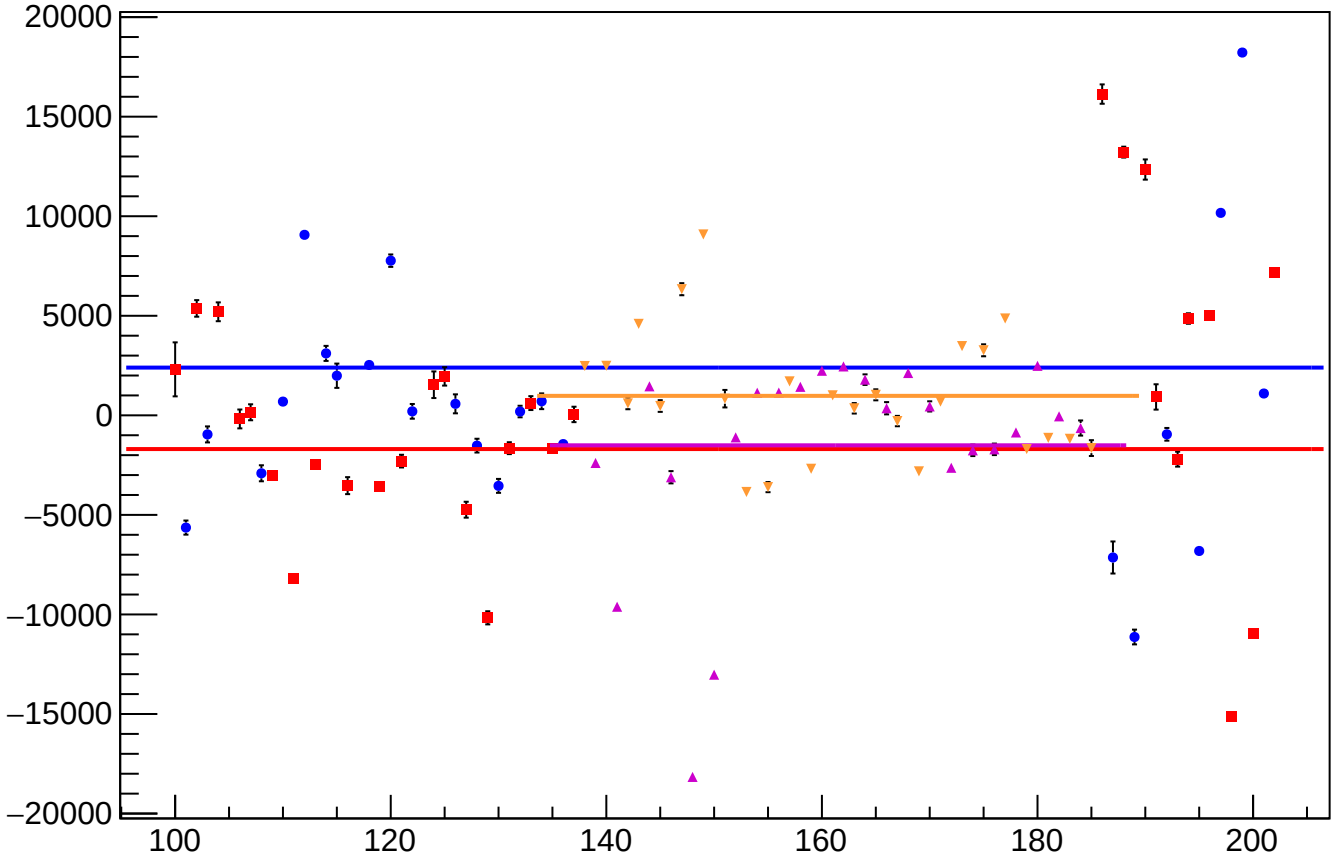
Right: 174.909+/-0.025 χ^2/NDF: 1956696.7/51

In: 180.862+/-0.024 χ^2/NDF:1612894.5/45

Out: 185.629+/-0.023 χ^2/NDF:2185686.9/53

All: 183.306+/-0.017 χ^2/NDF: 3819248.9/99

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 2397.835+/-58.149 χ^2/NDF: 14986.5/22

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1693.670+/-53.091 χ^2/NDF: 18208.0/28

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

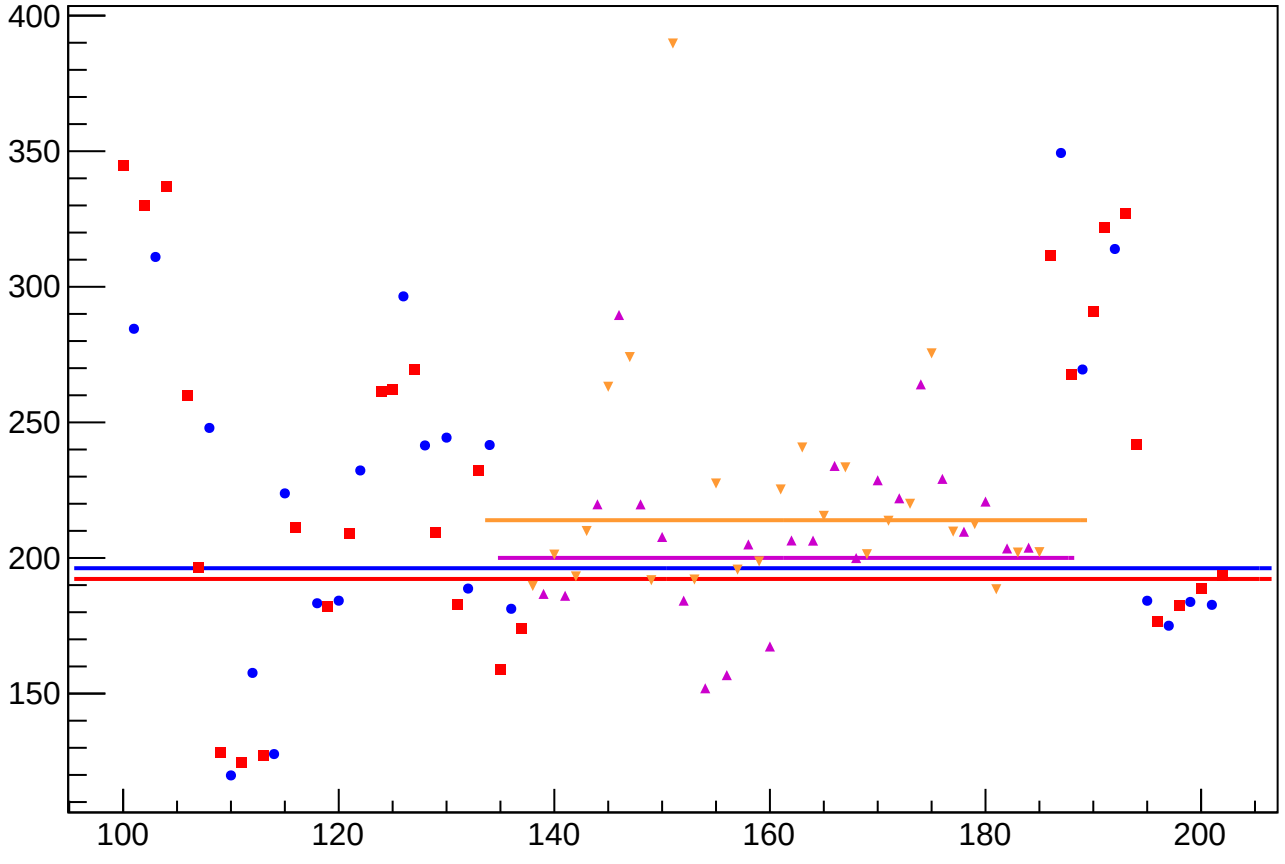
Right: 166.435+/-39.208 χ^2/NDF: 35894.5/51

In: 78.568+/-37.041 χ^2/NDF:29144.1/45

Out: -267.059+/-36.247 χ^2/NDF:23883.3/53

All: -97.990+/-25.906 χ^2/NDF: 53071.9/99

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 196.231+/-0.041 χ^2/NDF: 1439003.5/22

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.267+/-0.038 χ^2/NDF: 2233721.8/28

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

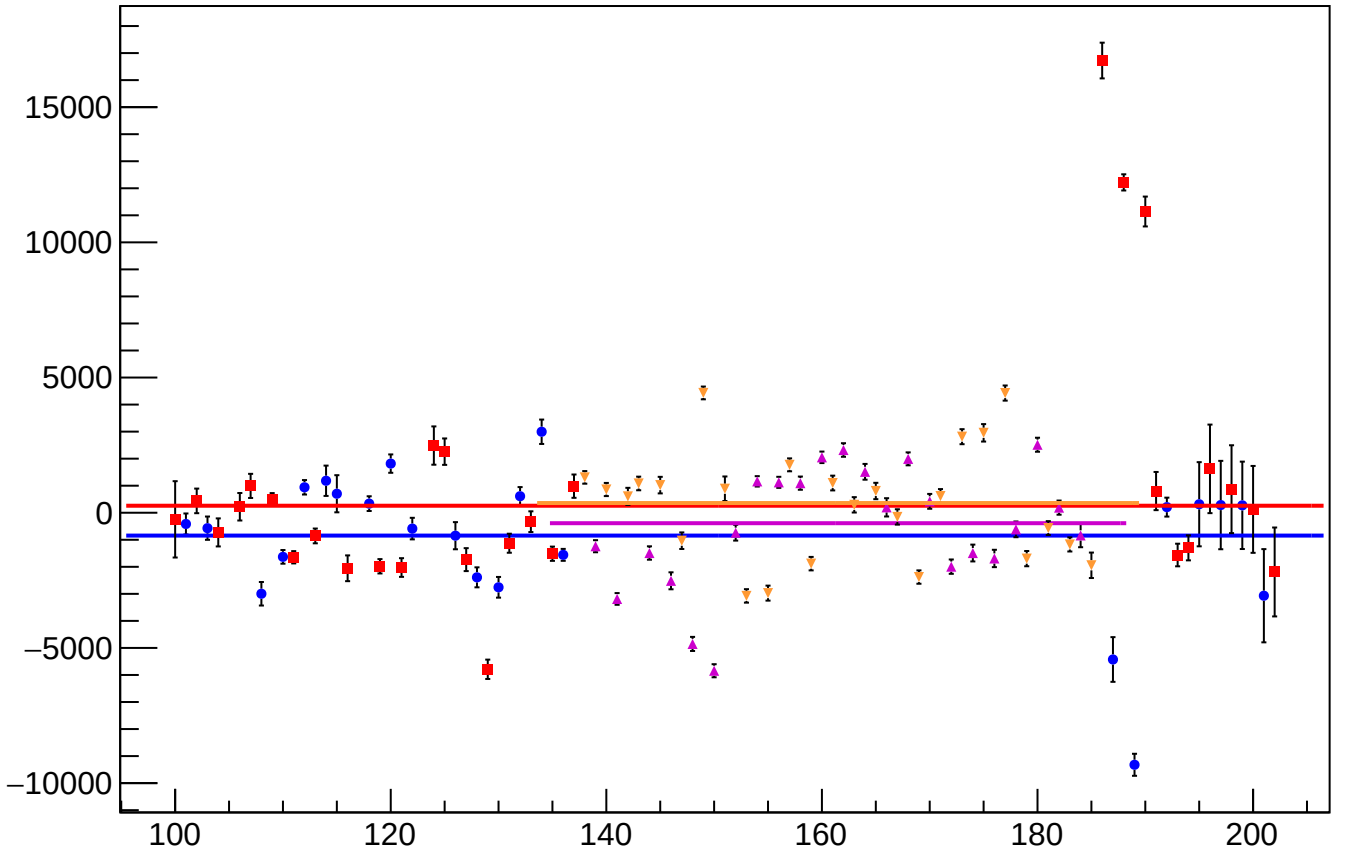
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 194.069+/-0.028 χ^2/NDF: 3677794.7/51

In: 198.489+/-0.026 χ^2/NDF:2229603.6/45

Out: 203.833+/-0.026 χ^2/NDF:3145161.6/53

All: 201.219+/-0.018 χ^2/NDF: 5396033.5/99



Right In: -844.895+/-81.586 χ^2/NDF: 799.4/22

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 259.235+/-73.873 χ^2/NDF: 3271.1/28

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

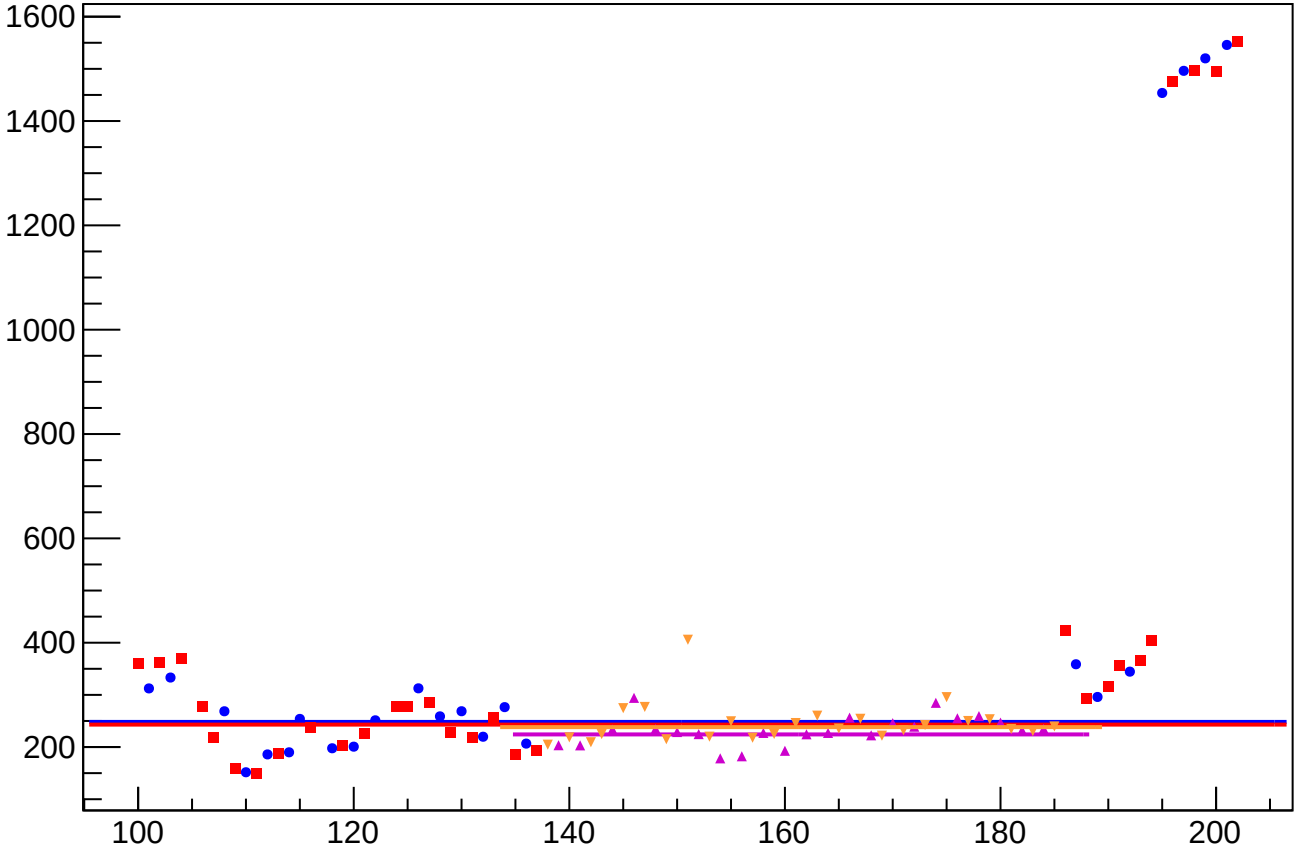
Right: -238.184+/-54.760 χ^2/NDF: 4171.2/51

In: -524.752+/-44.755 χ^2/NDF:2625.6/45

Out: 323.222+/-44.111 χ^2/NDF:4691.2/53

All: -94.620+/-31.417 χ^2/NDF: 7498.9/99

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 248.165+/-0.058 χ^2/NDF: 5753751.7/22

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 243.033+/-0.052 χ^2/NDF: 6748615.2/28

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

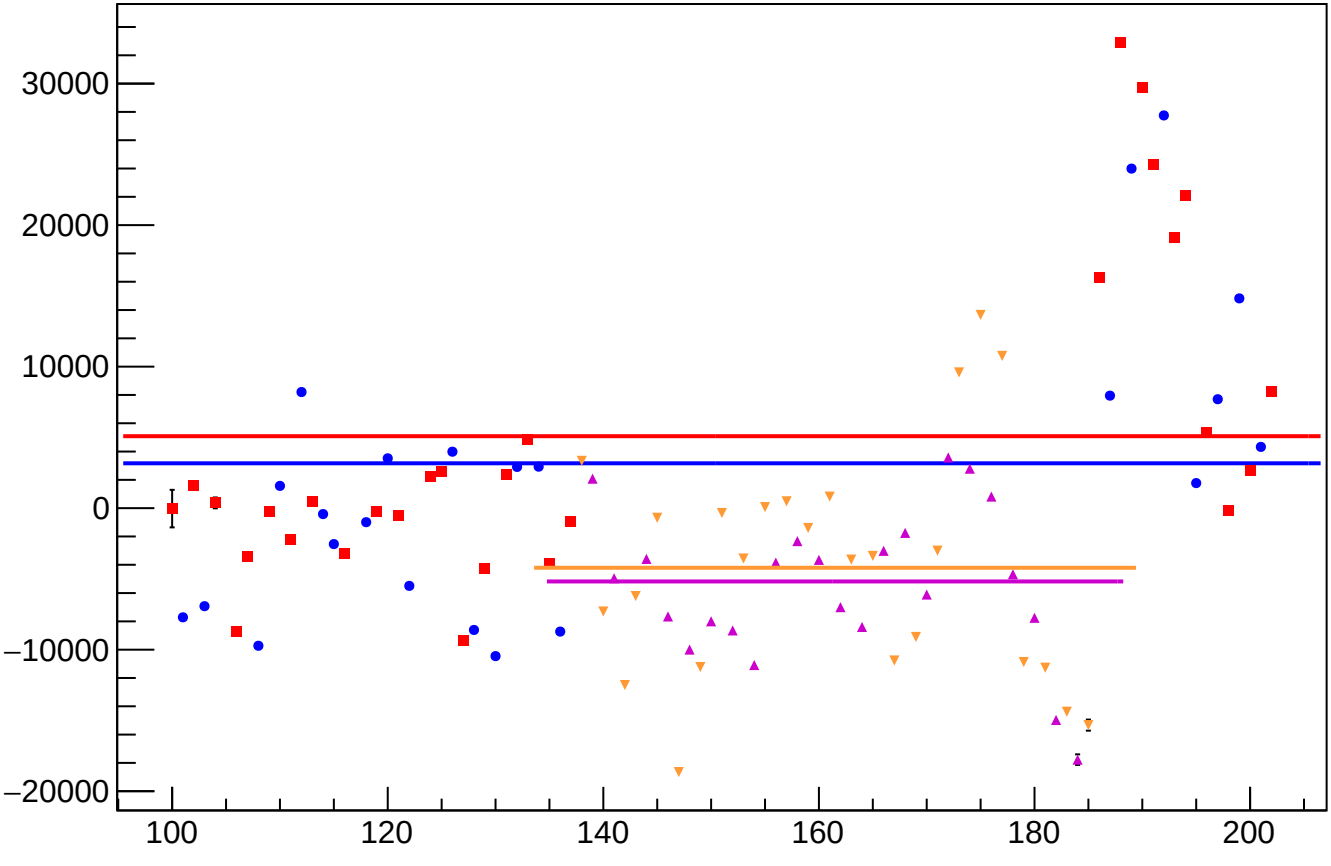
Right: 245.345+/-0.039 χ^2/NDF: 12506716.7/51

In: 231.420+/-0.032 χ^2/NDF:6437503.7/45

Out: 239.923+/-0.031 χ^2/NDF:7322059.6/53

All: 235.733+/-0.022 χ^2/NDF: 13796177.2/99

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3170.576+/-37.749 χ^2/NDF: 75667.9/22

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5085.297+/-34.709 χ^2/NDF: 102886.3/28

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

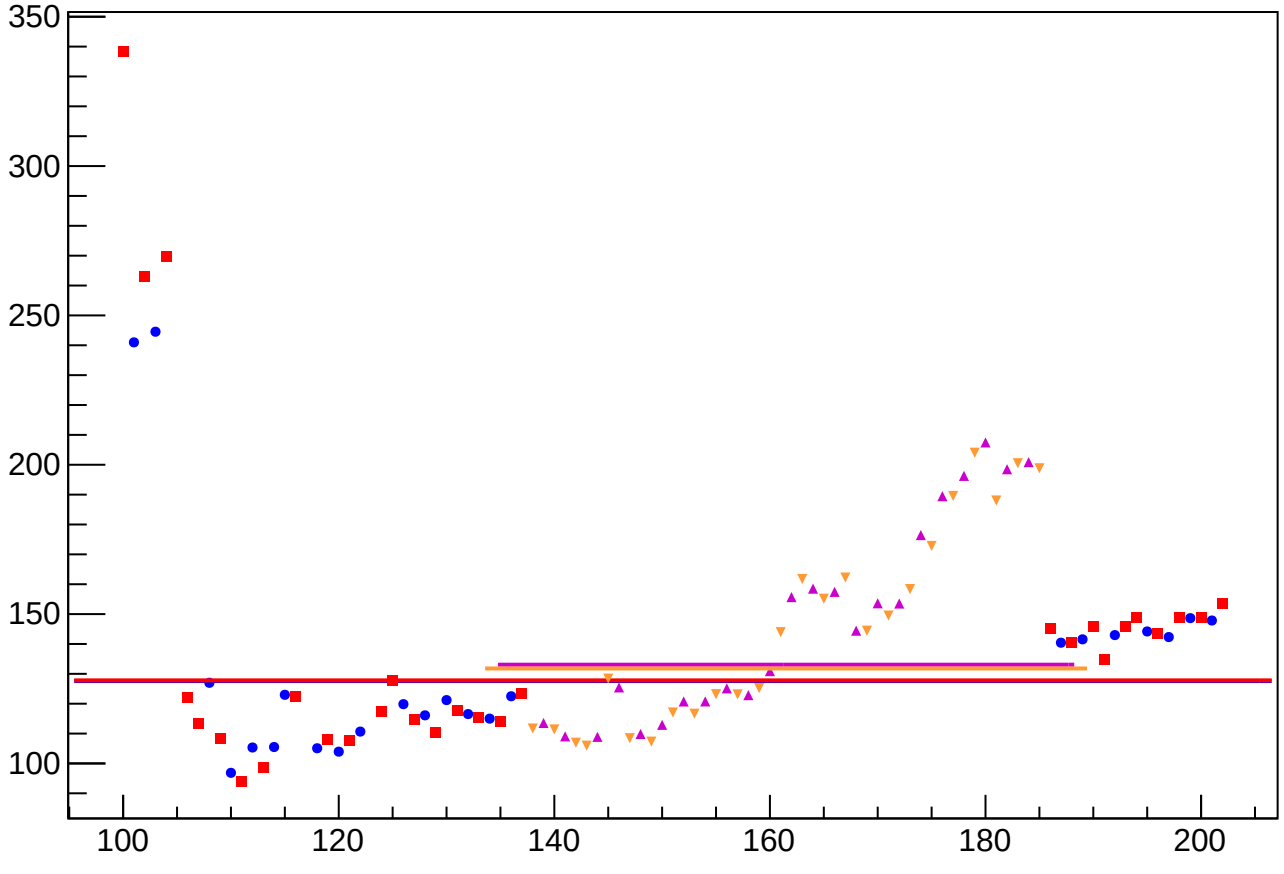
Right: 4208.122+/-25.550 χ^2/NDF: 179948.4/51

In: -1691.162+/-24.396 χ^2/NDF:122694.1/45

Out: -111.147+/-23.049 χ^2/NDF:199786.7/53

All: -856.343+/-16.754 χ^2/NDF: 324697.0/99

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 127.589+/-0.027 χ^2/NDF: 951188.0/22

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 127.812+/-0.025 χ^2/NDF: 1248333.7/28

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

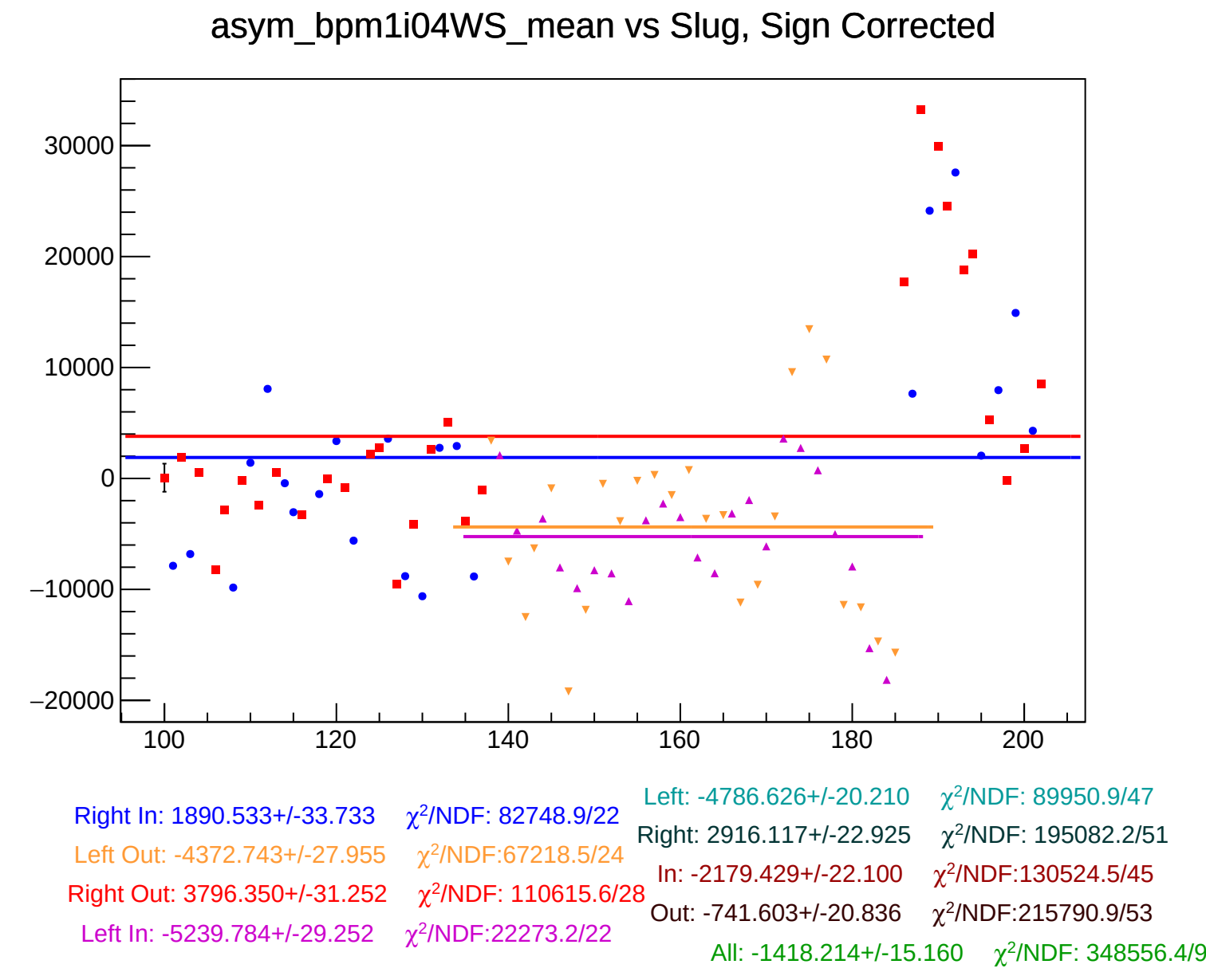
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 127.710+/-0.018 χ^2/NDF: 2199559.3/51

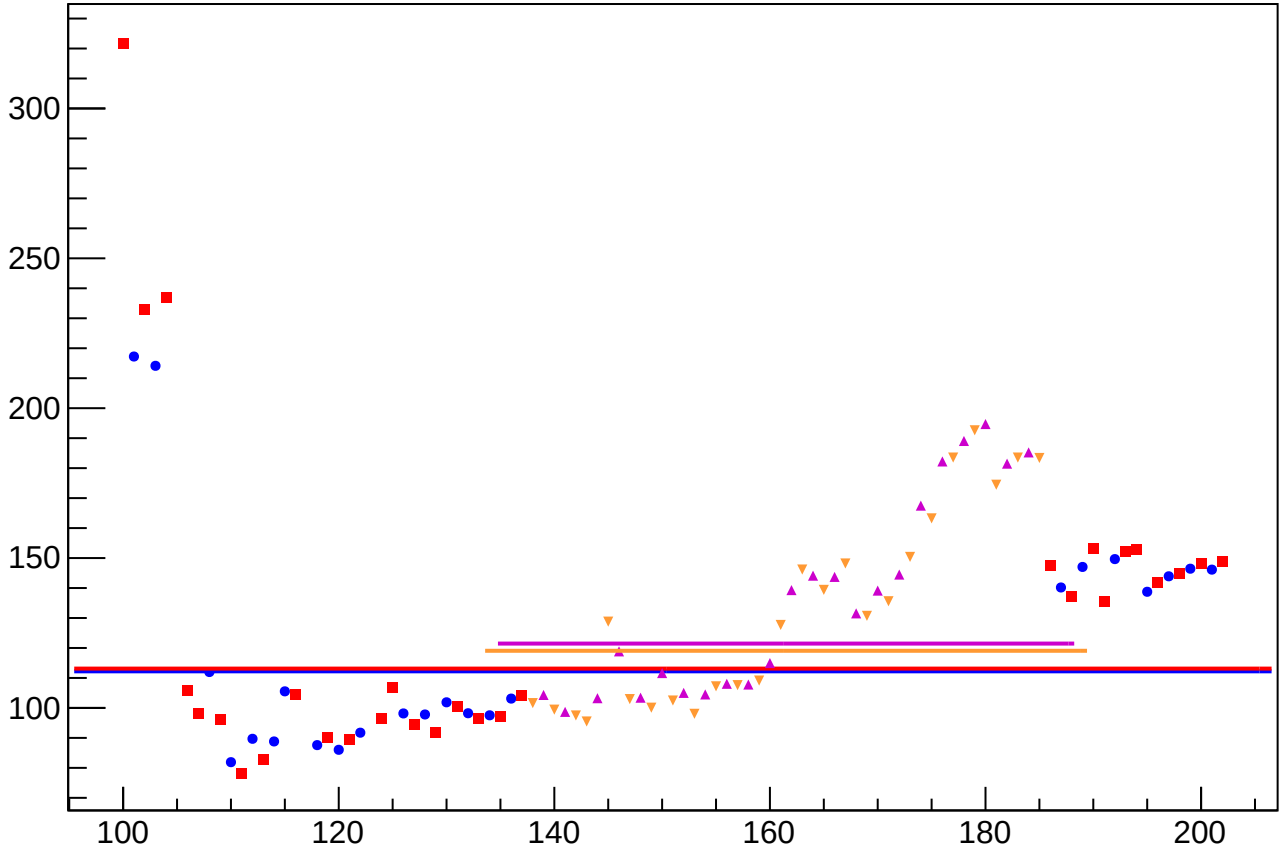
In: 130.776+/-0.017 χ^2/NDF:2393913.5/45

Out: 130.040+/-0.016 χ^2/NDF:2807417.2/53

All: 130.387+/-0.012 χ^2/NDF: 5202292.4/99


asym_bpm1i04WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 1890.533+/-33.733 χ²/NDF: 82748.9/22
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: 3796.350+/-31.252 χ²/NDF: 110615.6/28
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4786.626+/-20.210 χ²/NDF: 89950.9/47
Right: 2916.117+/-22.925 χ²/NDF: 195082.2/51
In: -2179.429+/-22.100 χ²/NDF:130524.5/45
Out: -741.603+/-20.836 χ²/NDF:215790.9/53
All: -1418.214+/-15.160 χ²/NDF: 348556.4/9

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 112.210+/-0.024 χ^2/NDF: 1530254.5/22

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 113.120+/-0.022 χ^2/NDF: 2005450.5/28

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

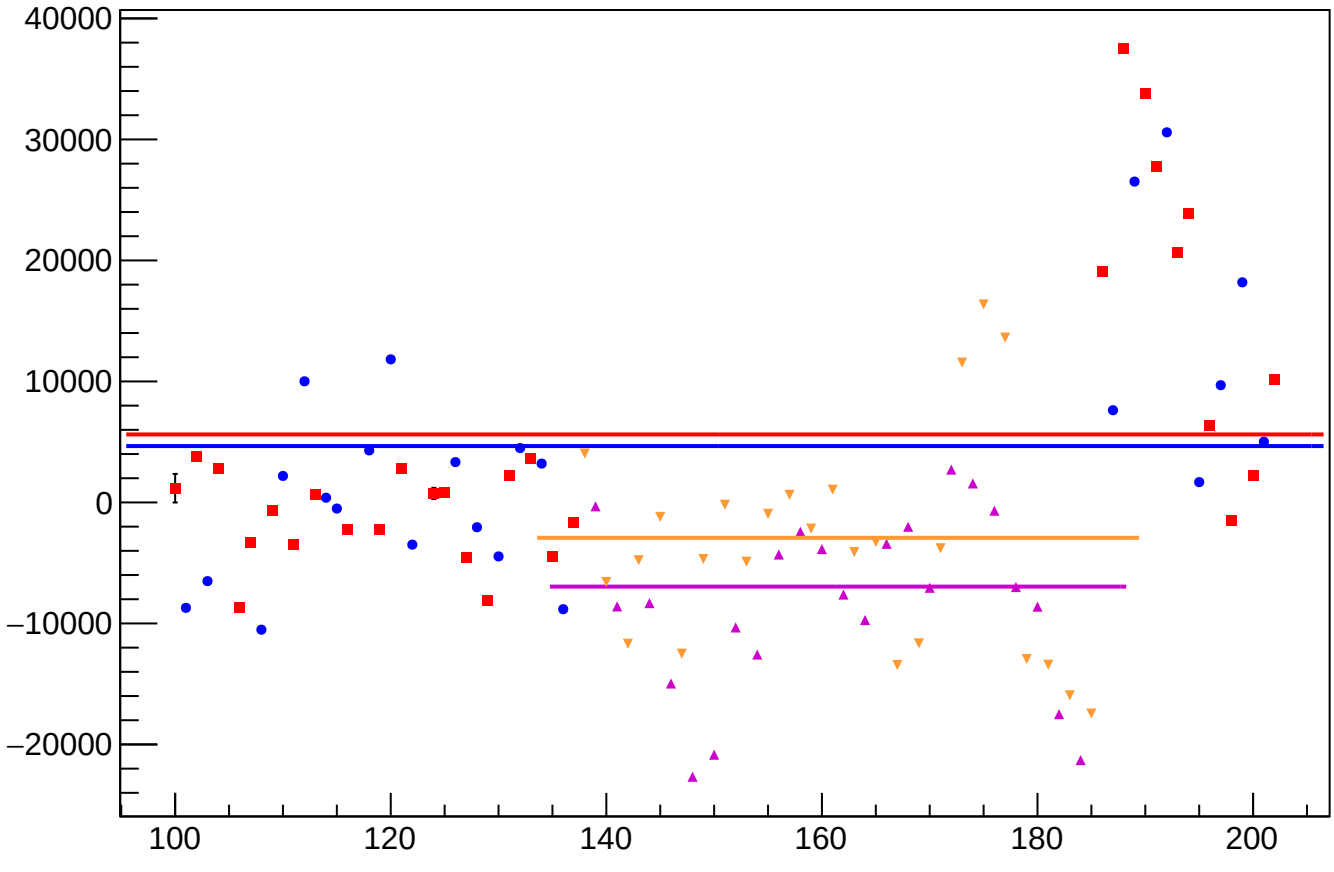
Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

Right: 112.700+/-0.016 χ^2/NDF: 3536488.9/51

In: 117.494+/-0.016 χ^2/NDF:3145618.9/45

Out: 116.422+/-0.015 χ^2/NDF:3801068.1/53

All: 116.927+/-0.011 χ^2/NDF: 6949179.0/99



Right In: 4657.816+/-44.358 χ^2/NDF: 60371.7/22

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5620.415+/-41.152 χ^2/NDF: 92440.4/28

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

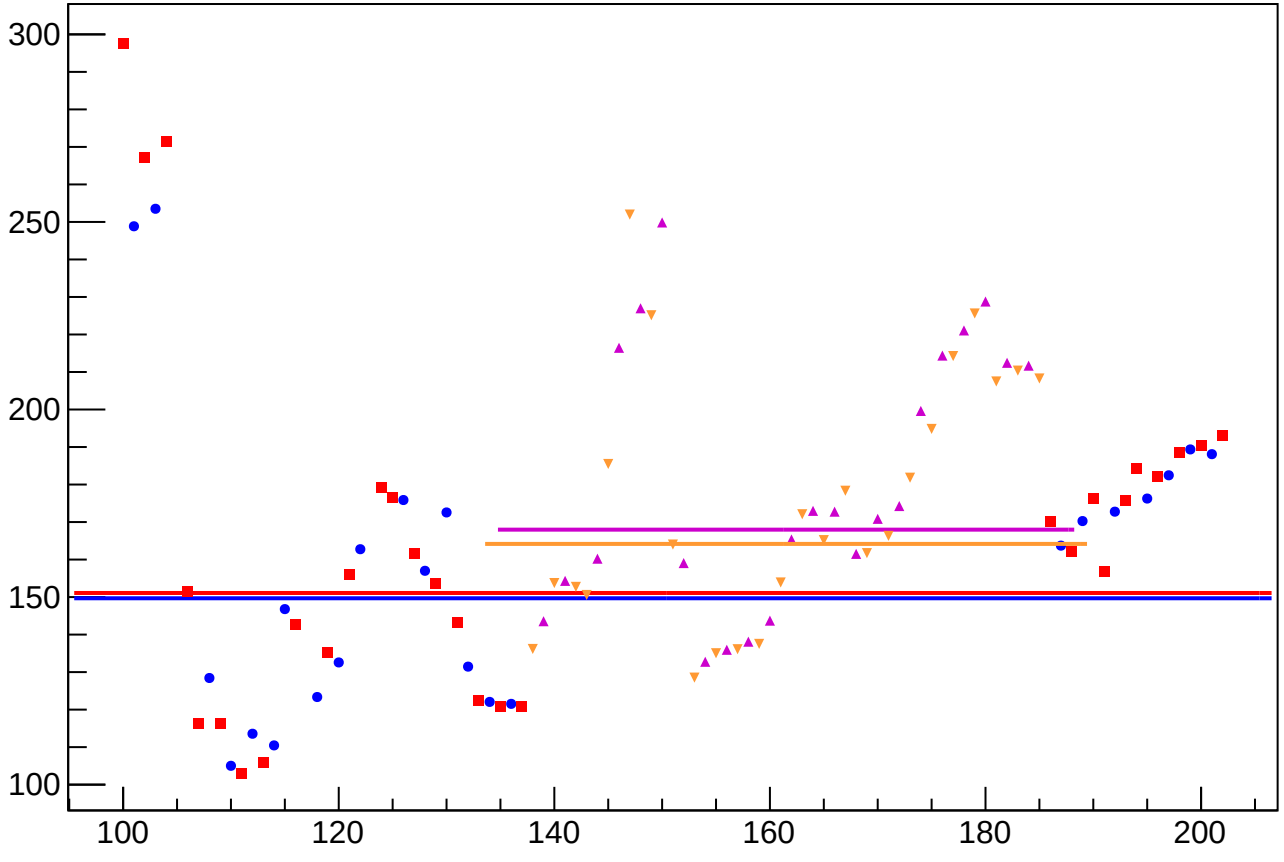
Right: 5175.162+/-30.169 χ^2/NDF: 153065.2/51

In: -1712.894+/-29.806 χ^2/NDF:120315.7/45

Out: 1029.637+/-27.991 χ^2/NDF:153653.2/53

All: -255.592+/-20.404 χ^2/NDF: 278467.7/99

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 149.681+/-0.031 χ^2/NDF: 1212514.5/22

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 151.092+/-0.029 χ^2/NDF: 1516924.2/28

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

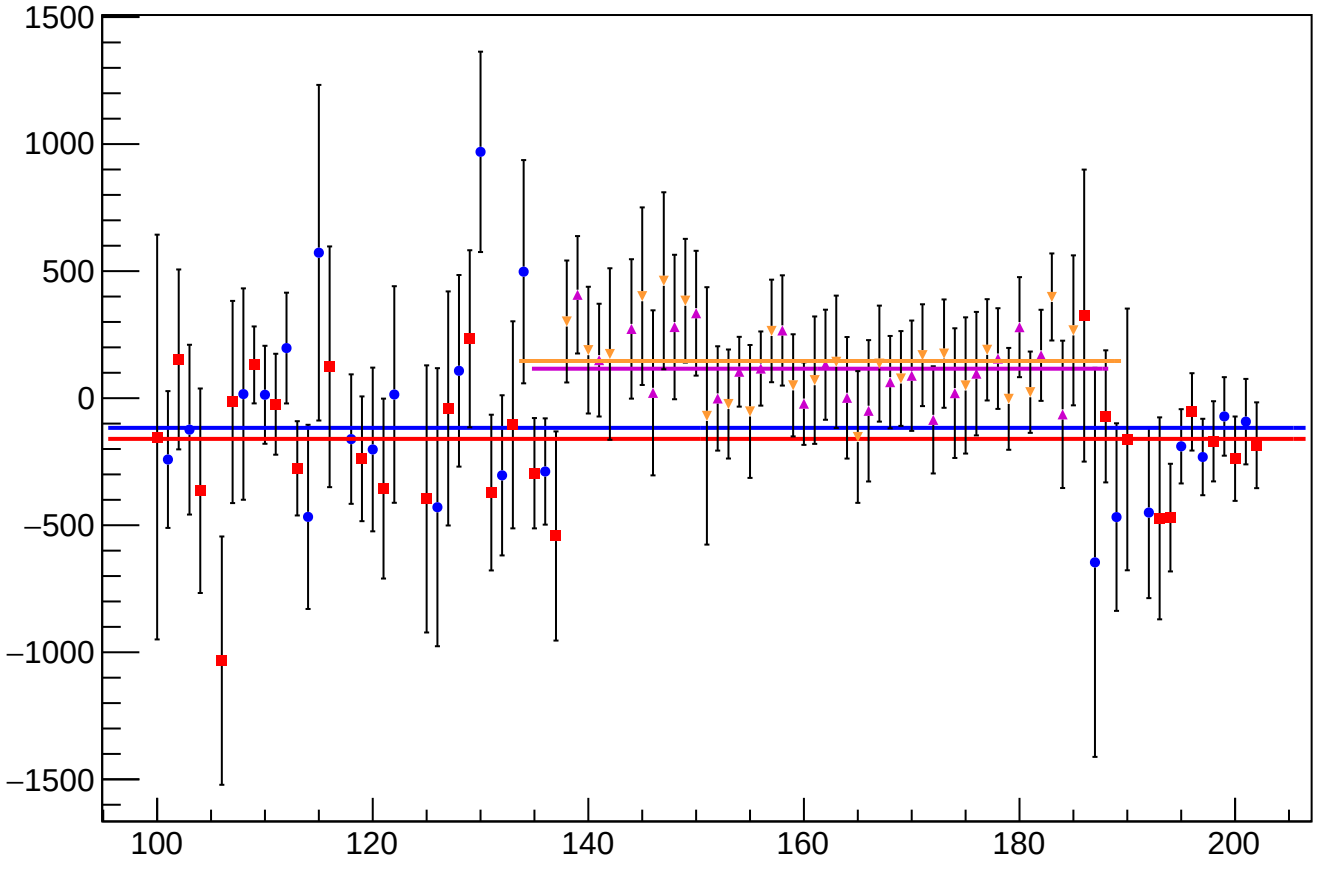
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 150.439+/-0.021 χ^2/NDF: 2730526.4/51

In: 159.715+/-0.021 χ^2/NDF:2621844.4/45

Out: 158.121+/-0.020 χ^2/NDF:2849904.2/53

All: 158.868+/-0.014 χ^2/NDF: 5474791.0/99



Right In: -116.814+/-52.853 χ^2/NDF: 19.6/22

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -160.184+/-48.879 χ^2/NDF: 17.3/26

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

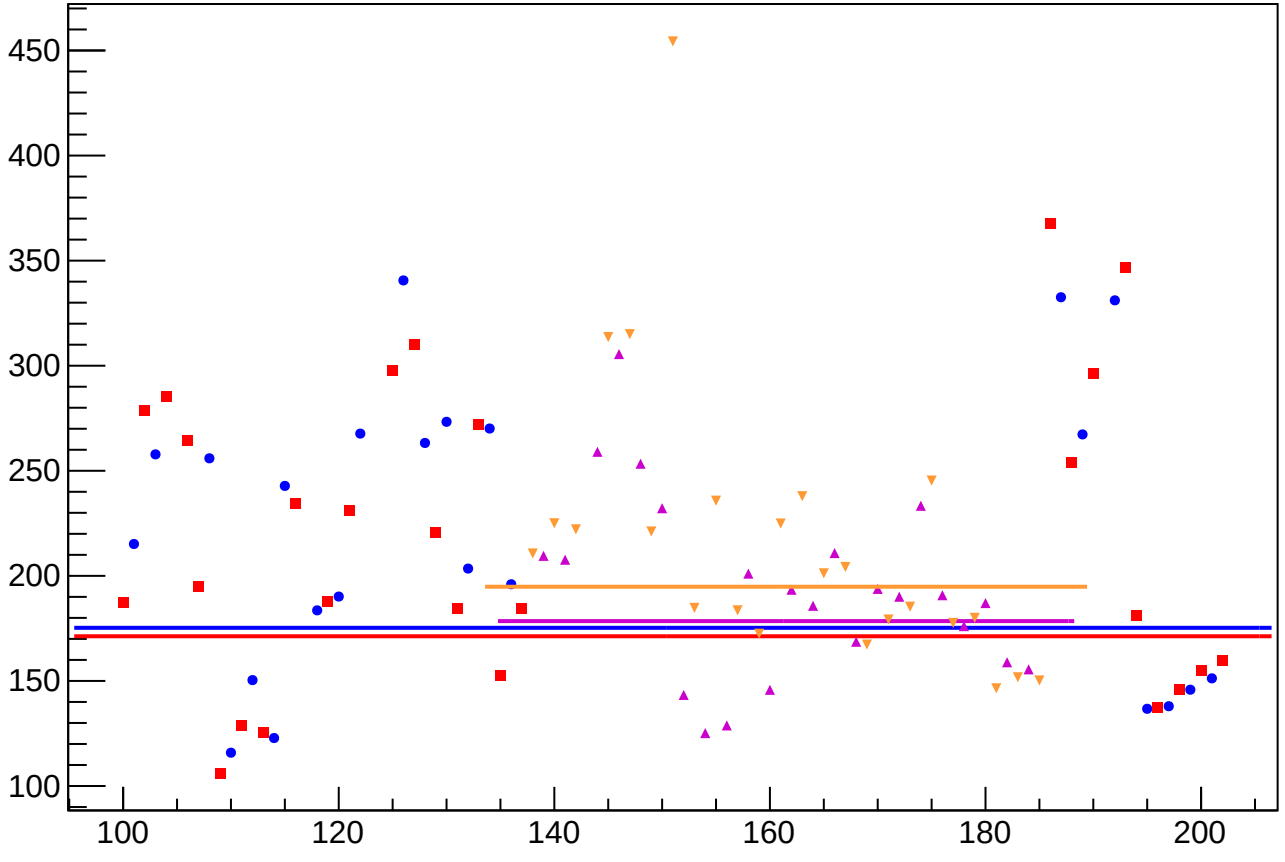
Right: -140.190+/-35.885 χ^2/NDF: 37.3/49

In: 21.696+/-33.635 χ^2/NDF:38.8/45

Out: -0.678+/-33.852 χ^2/NDF:47.7/50

All: 10.581+/-23.860 χ^2/NDF: 86.7/96

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 175.281+/-0.037 χ^2/NDF: 2176964.0/22

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 171.257+/-0.035 χ^2/NDF: 2721512.1/26

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

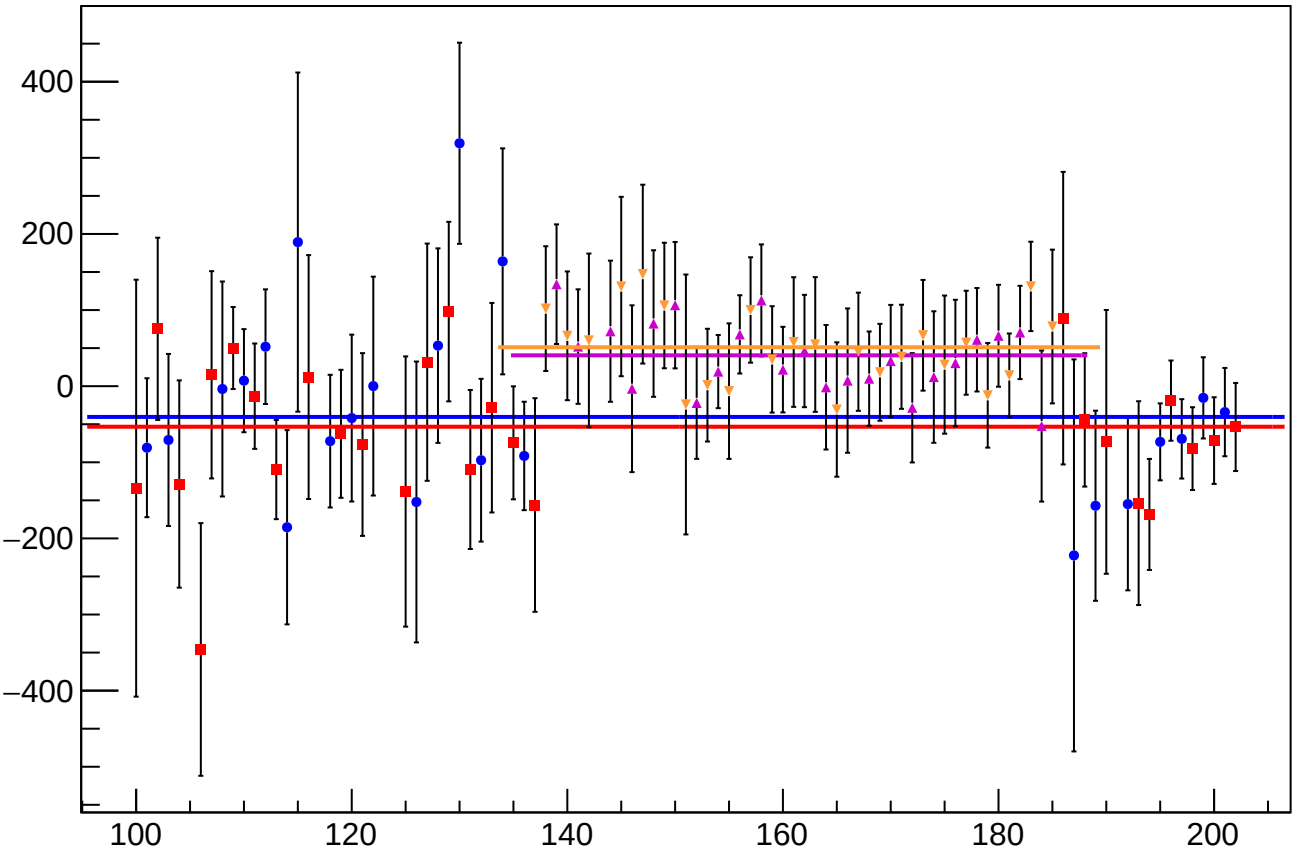
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 173.112+/-0.025 χ^2/NDF: 4904723.5/49

In: 177.182+/-0.024 χ^2/NDF:3857577.6/45

Out: 183.523+/-0.024 χ^2/NDF:4715996.4/50

All: 180.332+/-0.017 χ^2/NDF: 8608885.3/96



Right In: -40.398+/-18.166 χ^2/NDF: 19.3/22

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -53.263+/-16.837 χ^2/NDF: 17.4/26

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

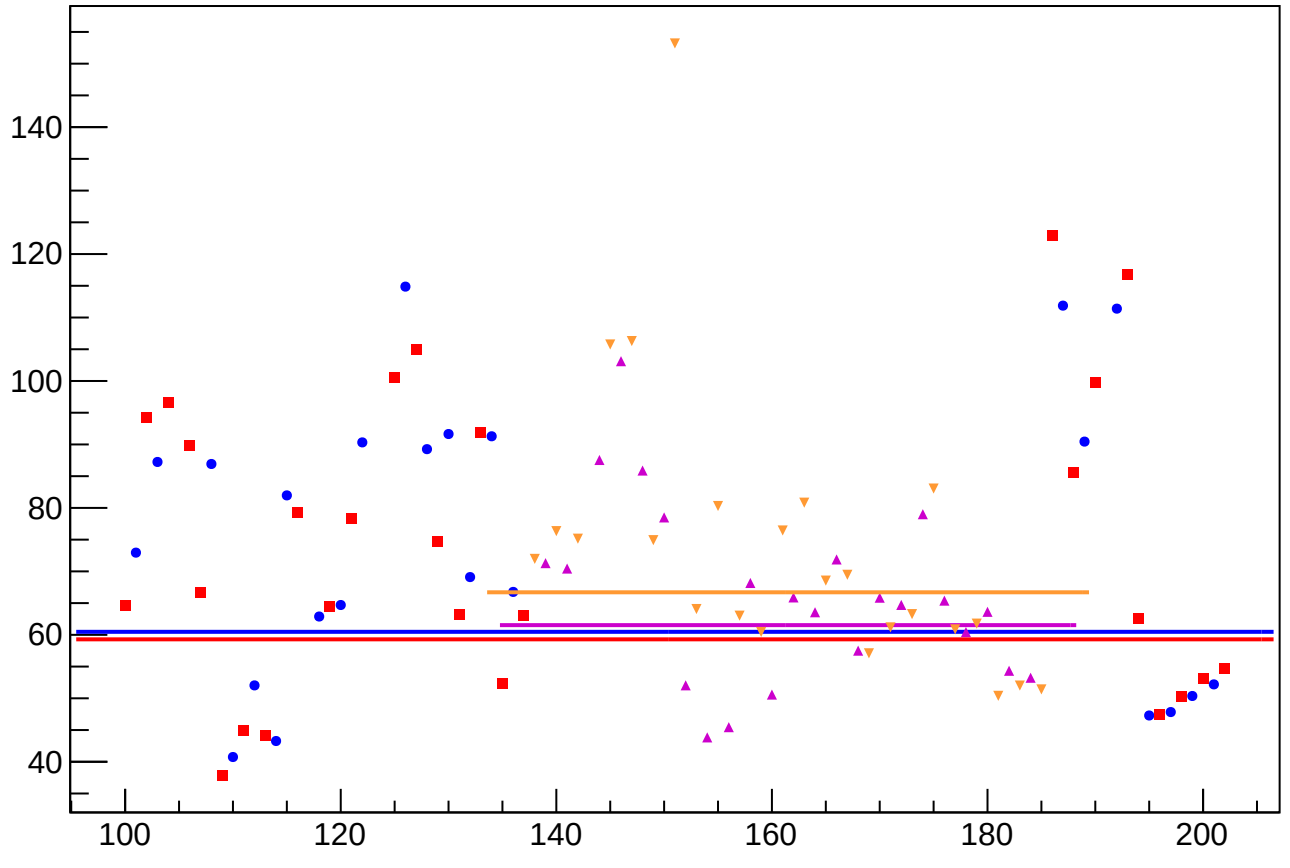
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -47.319+/-12.349 χ^2/NDF: 37.0/49

In: 7.786+/-11.556 χ^2/NDF:38.9/45

Out: 1.490+/-11.612 χ^2/NDF:45.7/50

All: 4.653+/-8.191 χ^2/NDF: 84.8/96



Right In: 60.476+/-0.013 χ^2/NDF: 2026706.4/22

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.291+/-0.012 χ^2/NDF: 2516750.3/26

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

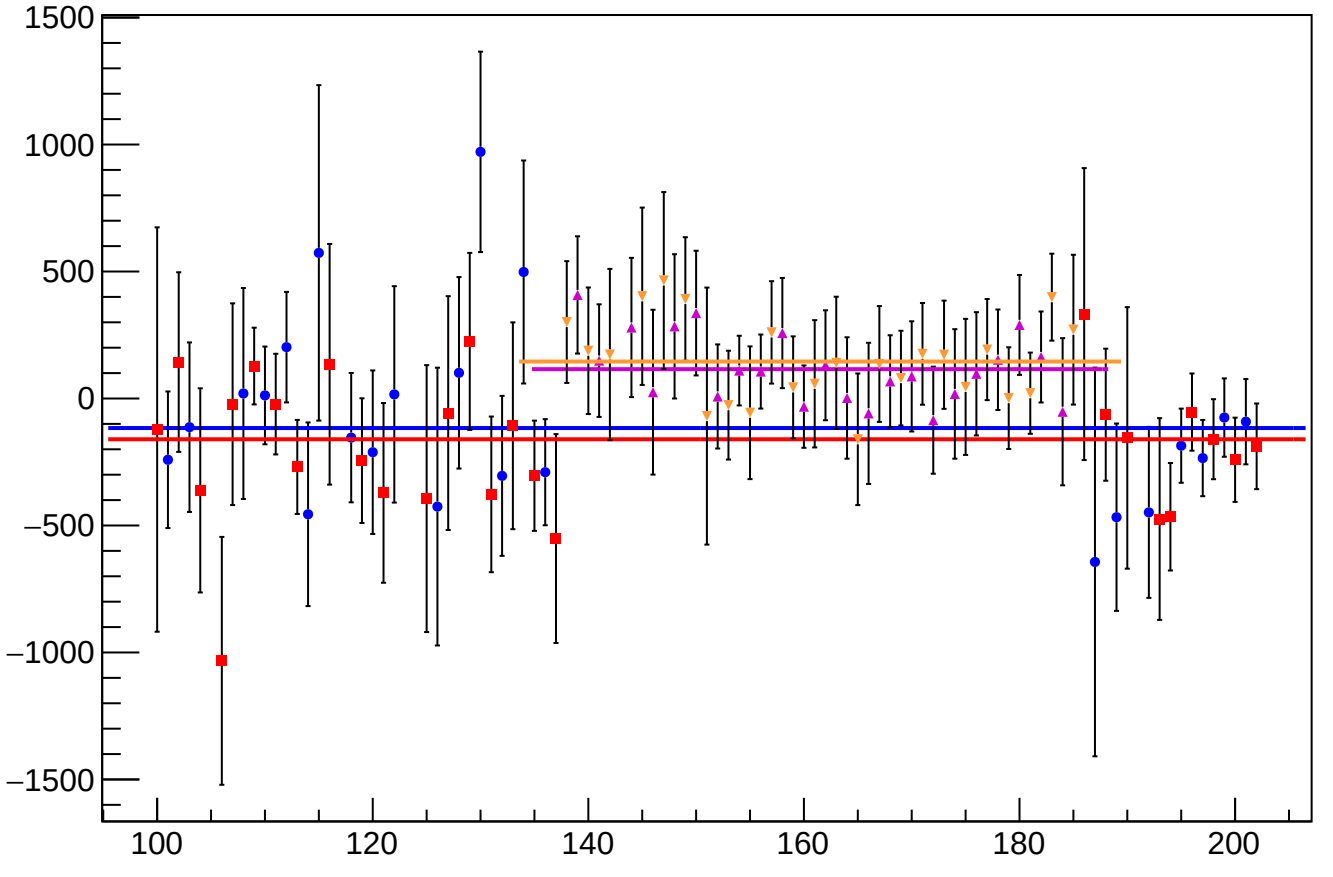
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 59.838+/-0.009 χ^2/NDF: 4548030.1/49

In: 61.103+/-0.008 χ^2/NDF:3520556.7/45

Out: 63.177+/-0.008 χ^2/NDF:4396287.8/50

All: 62.135+/-0.006 χ^2/NDF: 7948922.1/96



Right In: -116.312+/-52.785 χ^2/NDF: 19.6/22

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -160.514+/-48.818 χ^2/NDF: 17.3/26

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

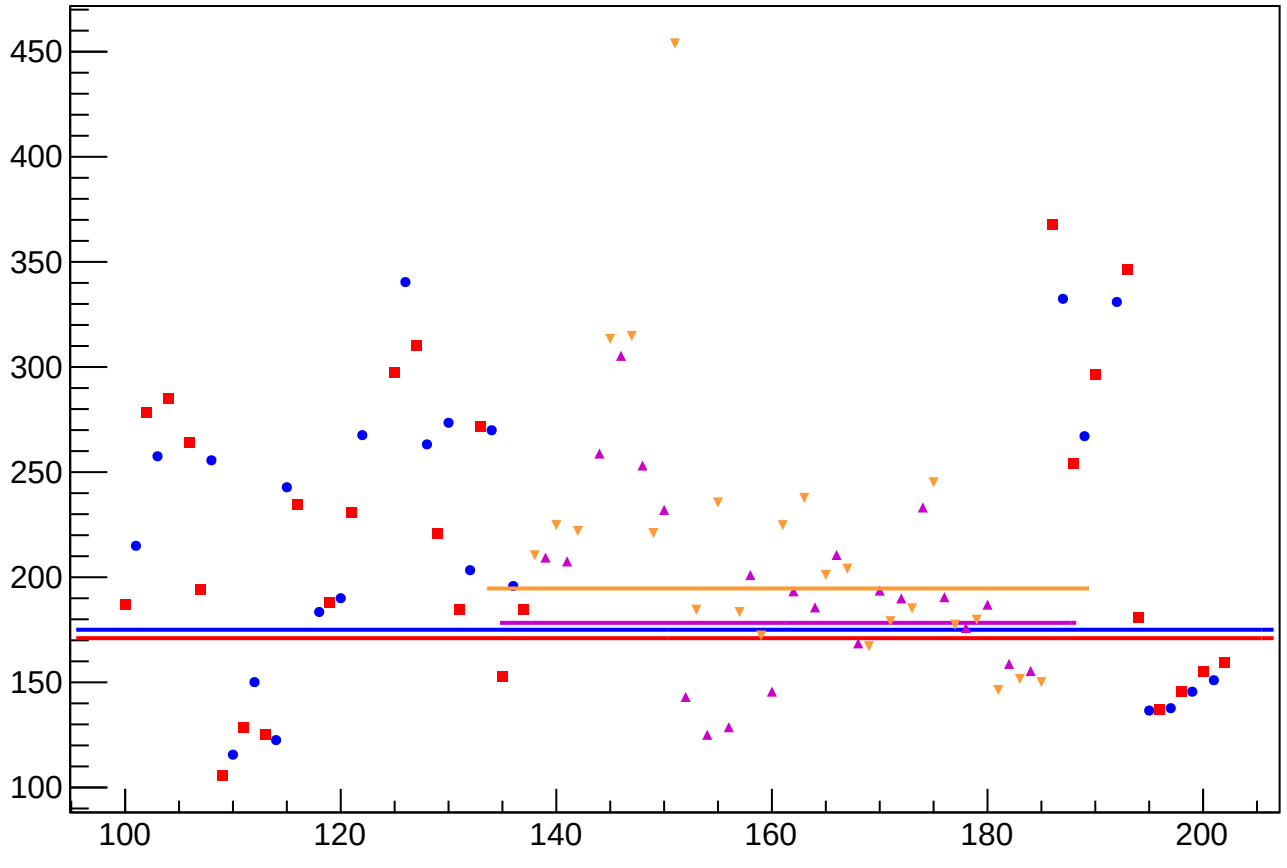
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -140.136+/-35.840 χ^2/NDF: 37.3/49

In: 21.560+/-33.601 χ^2/NDF:38.9/45

Out: -1.353+/-33.817 χ^2/NDF:48.0/50

All: 10.177+/-23.835 χ^2/NDF: 87.1/96



Right In: 175.029+/-0.037 χ^2/NDF: 2183595.5/22

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 171.015+/-0.035 χ^2/NDF: 2729778.8/26

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

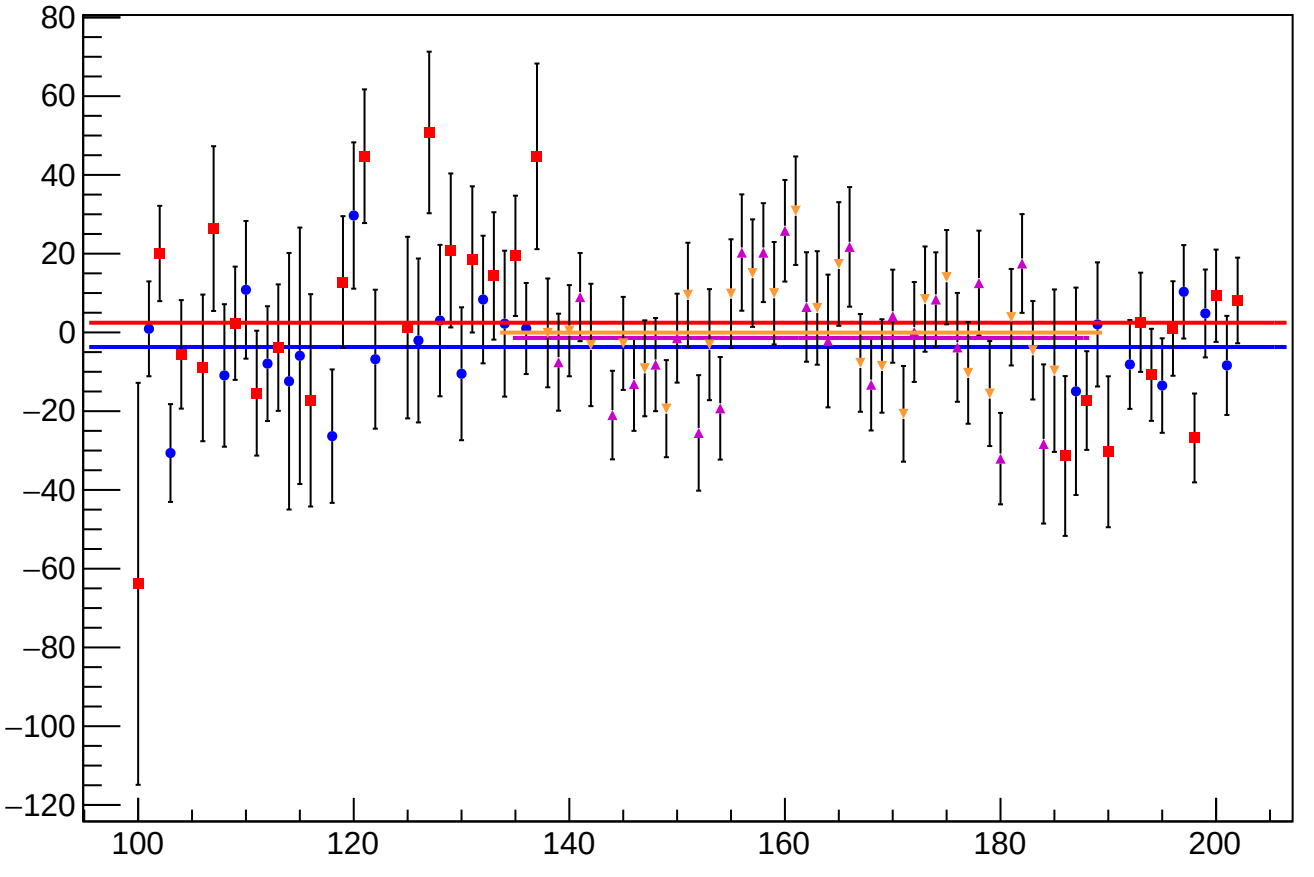
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 172.865+/-0.025 χ^2/NDF: 4919609.6/49

In: 176.985+/-0.024 χ^2/NDF:3866549.8/45

Out: 183.313+/-0.024 χ^2/NDF:4726936.6/50

All: 180.129+/-0.017 χ^2/NDF: 8628727.8/96



Right In: -3.709+/-3.157 χ^2/NDF: 15.3/22

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 2.462+/-2.960 χ^2/NDF: 43.4/26

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

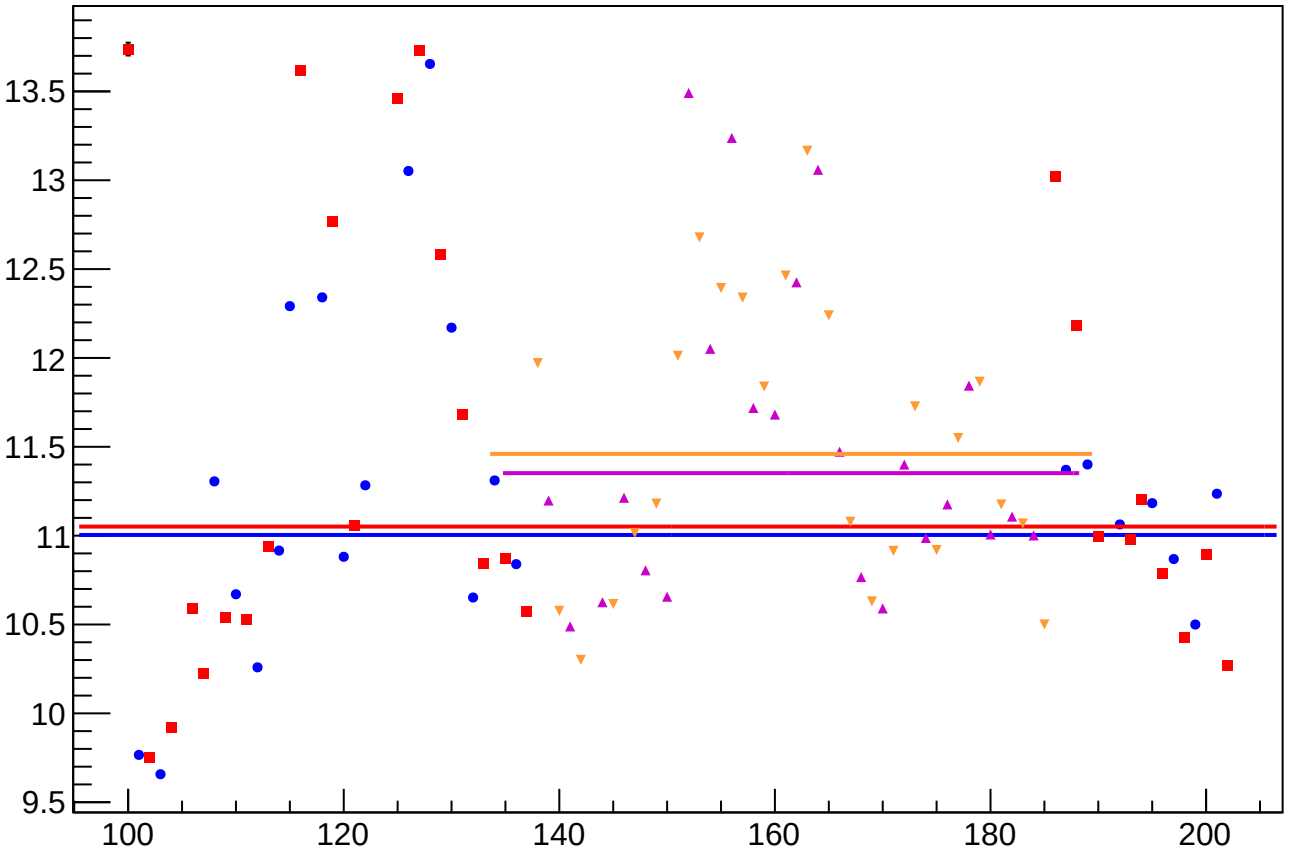
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: -0.426+/-2.159 χ^2/NDF: 60.7/49

In: -2.368+/-2.040 χ^2/NDF:51.9/45

Out: 1.086+/-1.989 χ^2/NDF:64.2/50

All: -0.597+/-1.424 χ^2/NDF: 117.6/96



Right In: 11.004+/-0.002 χ^2/NDF: 143340.6/22

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.051+/-0.002 χ^2/NDF: 215855.7/26

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

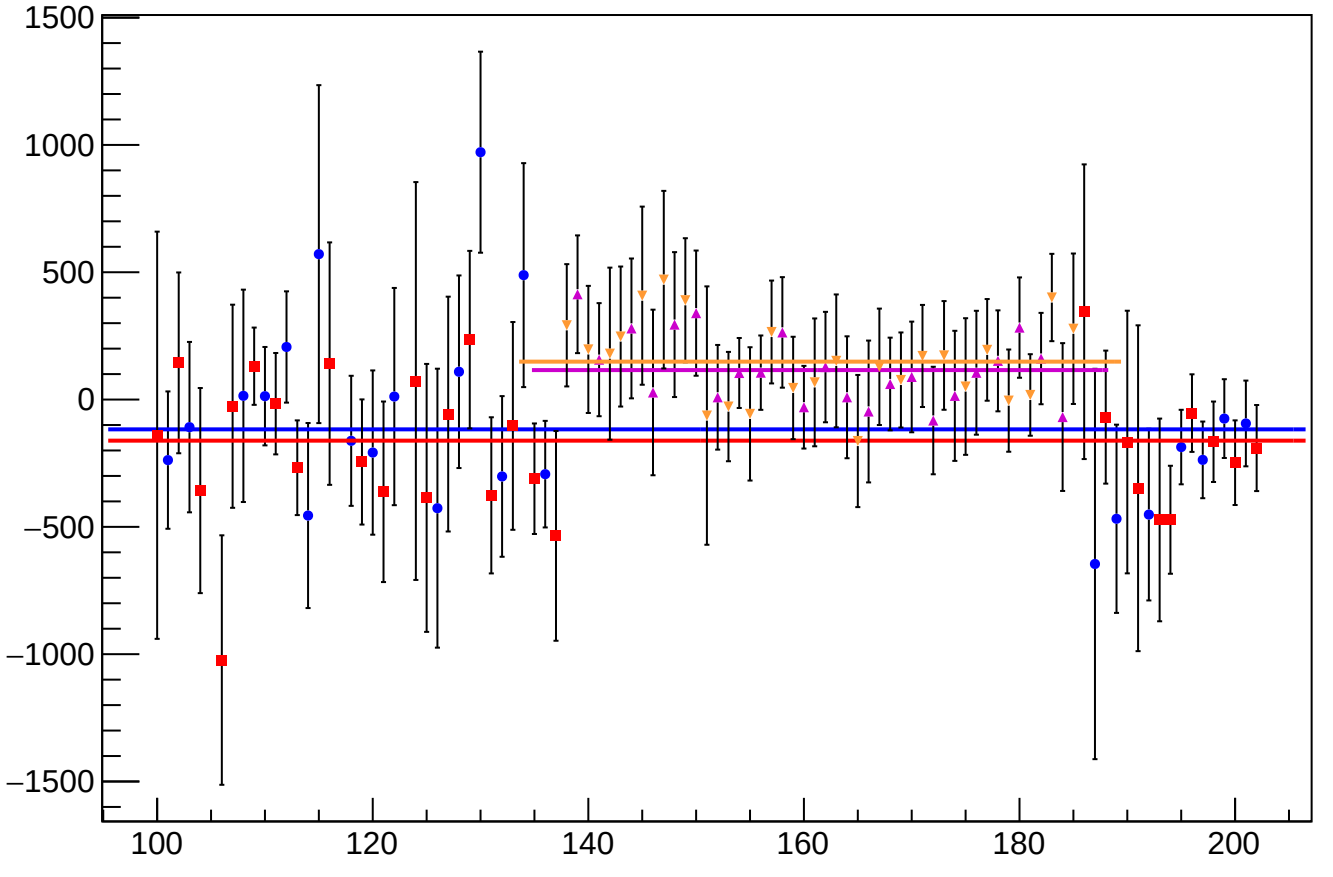
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.029+/-0.002 χ^2/NDF: 359434.0/49

In: 11.206+/-0.001 χ^2/NDF:328038.6/45

Out: 11.275+/-0.001 χ^2/NDF:387234.2/50

All: 11.242+/-0.001 χ^2/NDF: 716447.3/96



Right In: -117.044+/-52.929 χ^2/NDF: 19.6/22

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -161.399+/-48.718 χ^2/NDF: 17.6/28

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

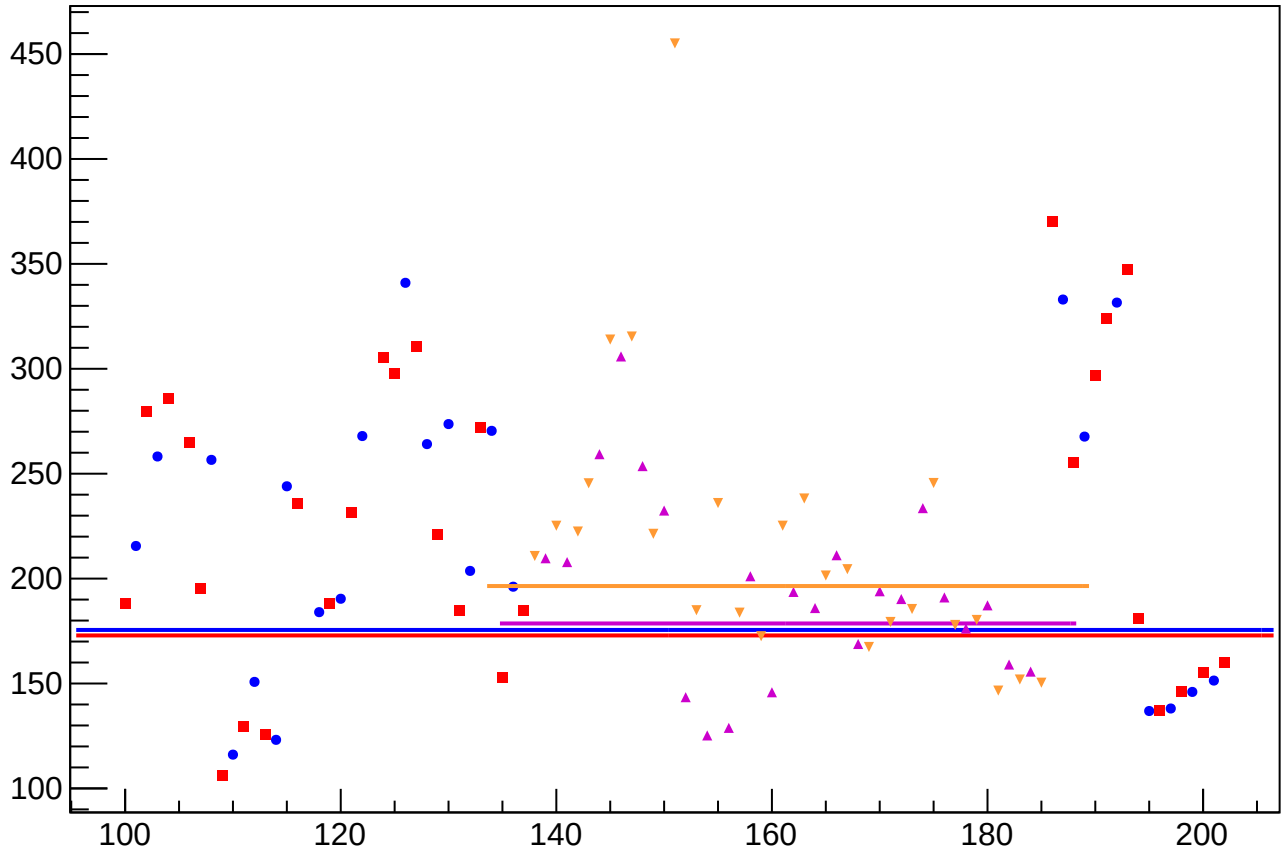
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -141.056+/-35.845 χ^2/NDF: 37.6/51

In: 21.514+/-33.671 χ^2/NDF:38.9/45

Out: 1.623+/-33.564 χ^2/NDF:49.4/53

All: 11.536+/-23.771 χ^2/NDF: 88.5/99



Right In: 175.529+/-0.037 χ^2/NDF: 2177915.9/22

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.908+/-0.034 χ^2/NDF: 2897284.5/28

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

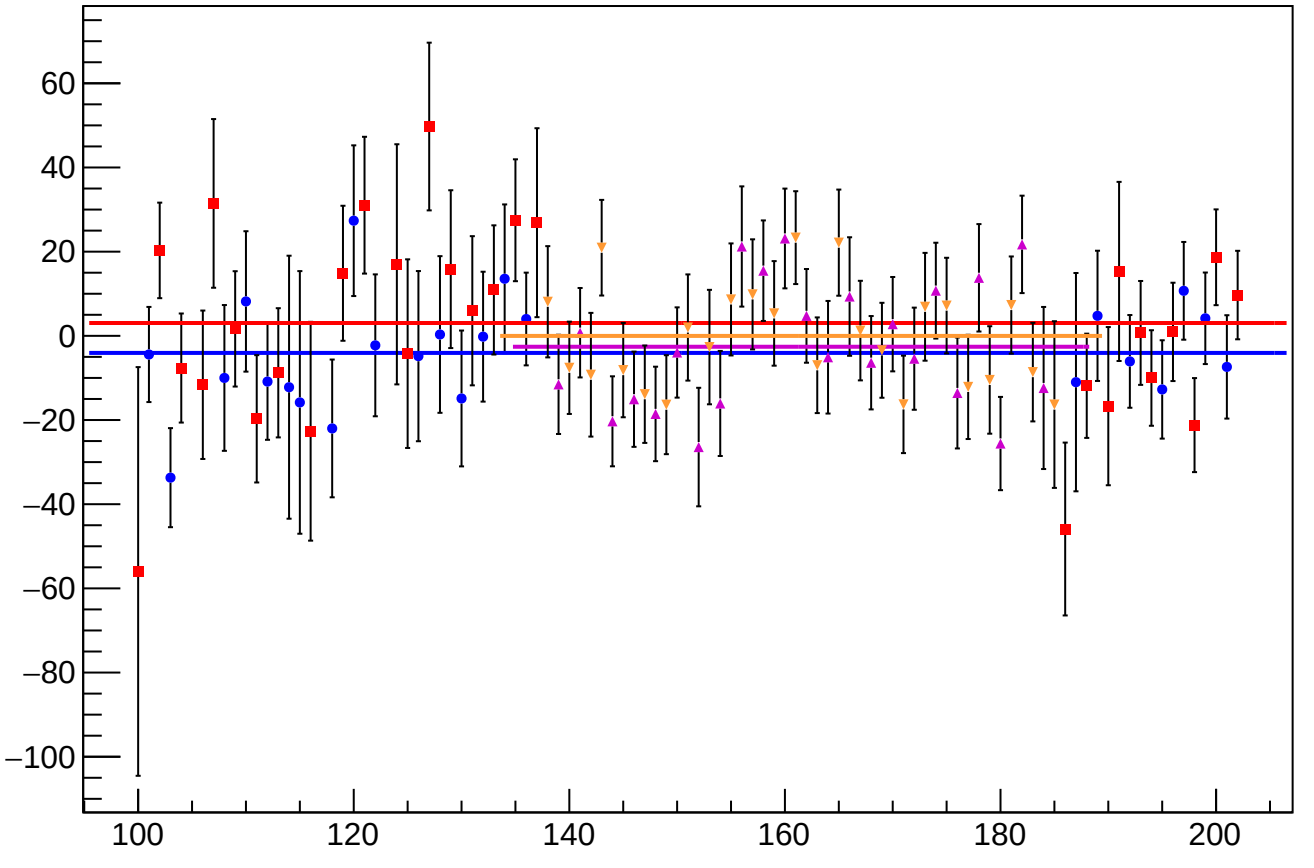
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 174.110+/-0.025 χ^2/NDF: 5077855.0/51

In: 177.365+/-0.024 χ^2/NDF:3860820.5/45

Out: 185.278+/-0.024 χ^2/NDF:4961475.2/53

All: 181.335+/-0.017 χ^2/NDF: 8877700.2/99



Right In: -4.056+/-3.040 χ^2/NDF: 17.1/22

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.051+/-2.816 χ^2/NDF: 42.1/28

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

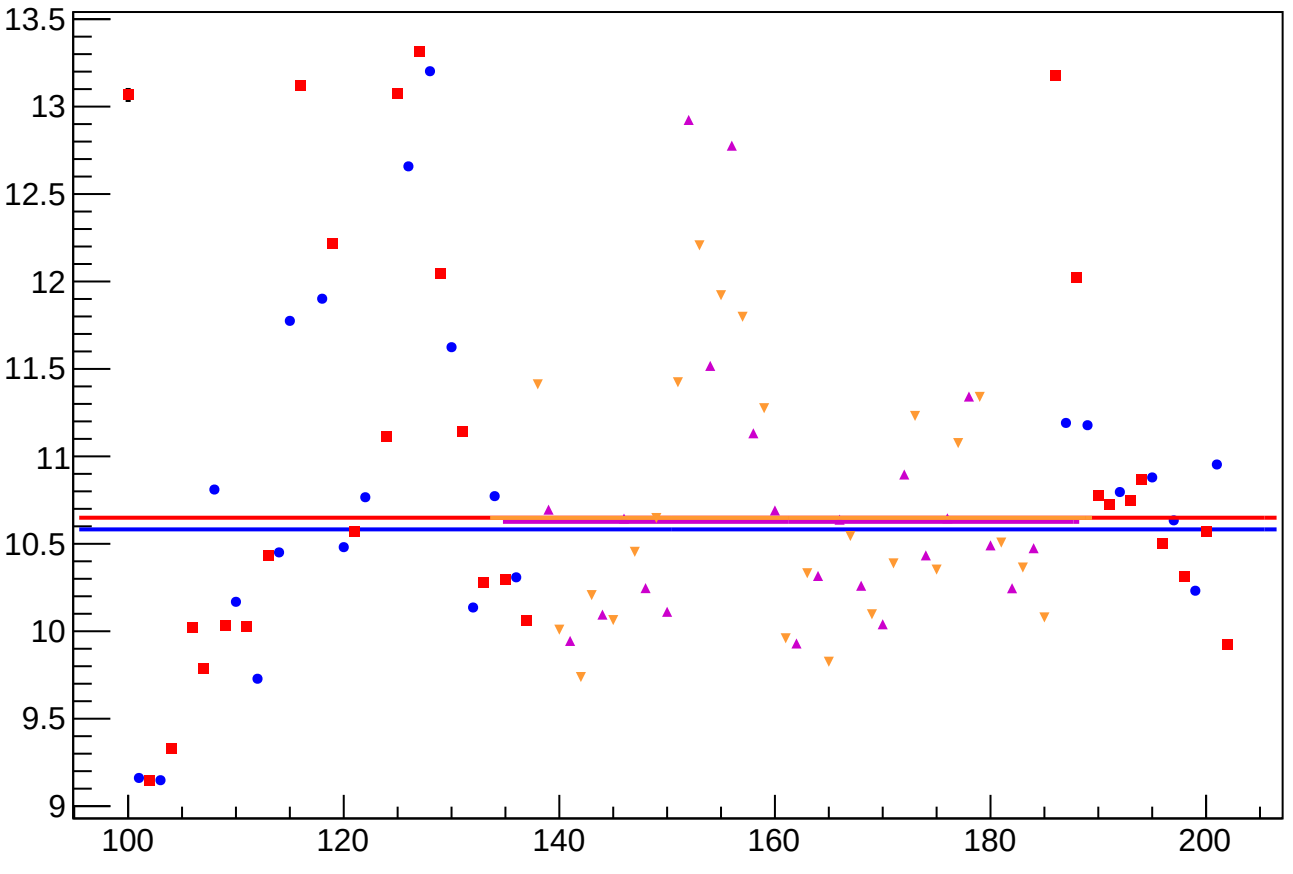
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -0.231+/-2.066 χ^2/NDF: 62.1/51

In: -3.184+/-1.934 χ^2/NDF:52.0/45

Out: 1.301+/-1.846 χ^2/NDF:66.5/53

All: -0.837+/-1.335 χ^2/NDF: 121.3/99



Right In: 10.582+/-0.002 χ^2/NDF: 169038.8/22

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.649+/-0.002 χ^2/NDF: 256002.4/28

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

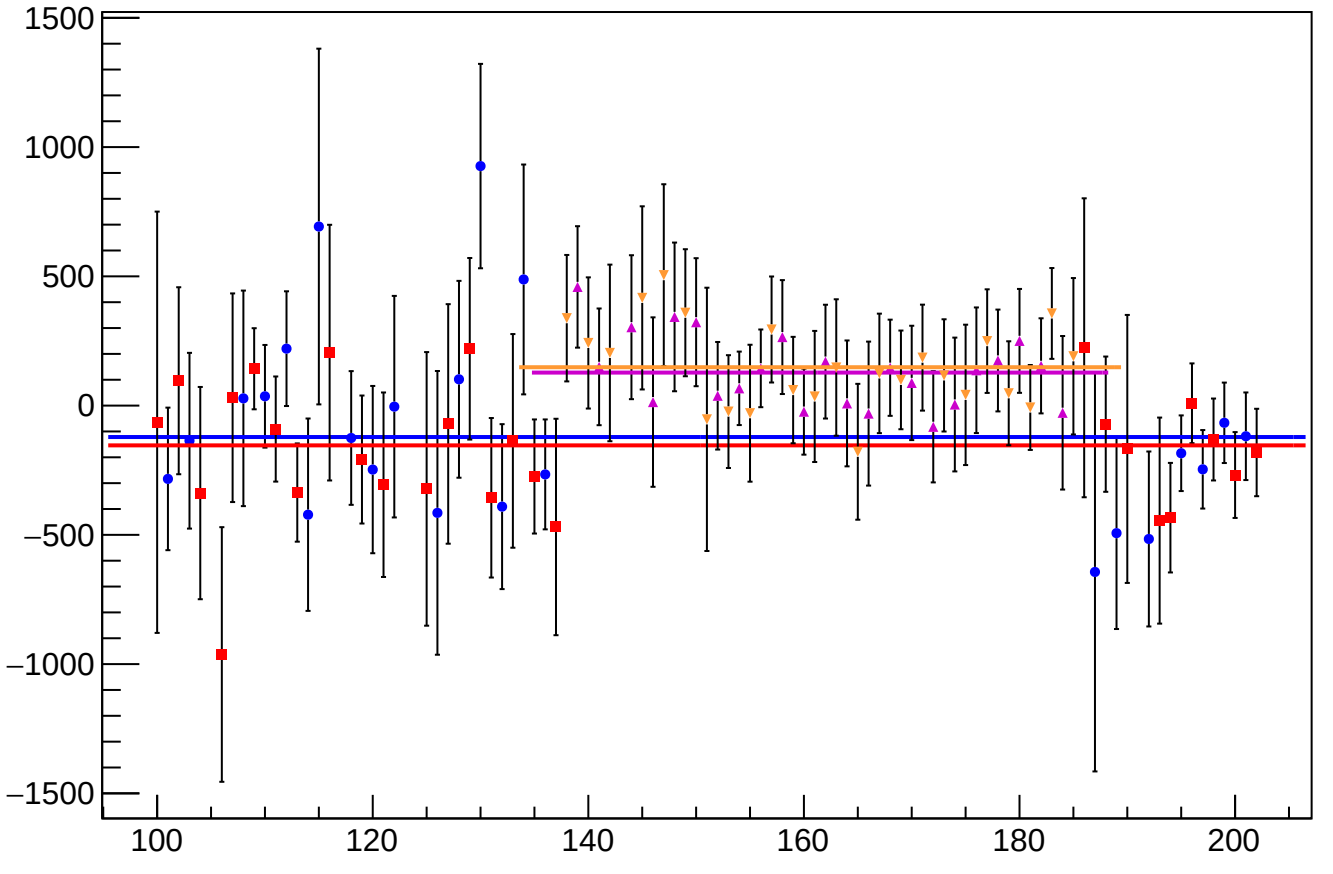
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.618+/-0.001 χ^2/NDF: 425560.2/51

In: 10.608+/-0.001 χ^2/NDF:328822.3/45

Out: 10.649+/-0.001 χ^2/NDF:399538.5/53

All: 10.629+/-0.001 χ^2/NDF: 728819.3/99



Right In: -121.578+/-53.450 χ^2/NDF: 20.3/22

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -153.853+/-49.505 χ^2/NDF: 15.9/26

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

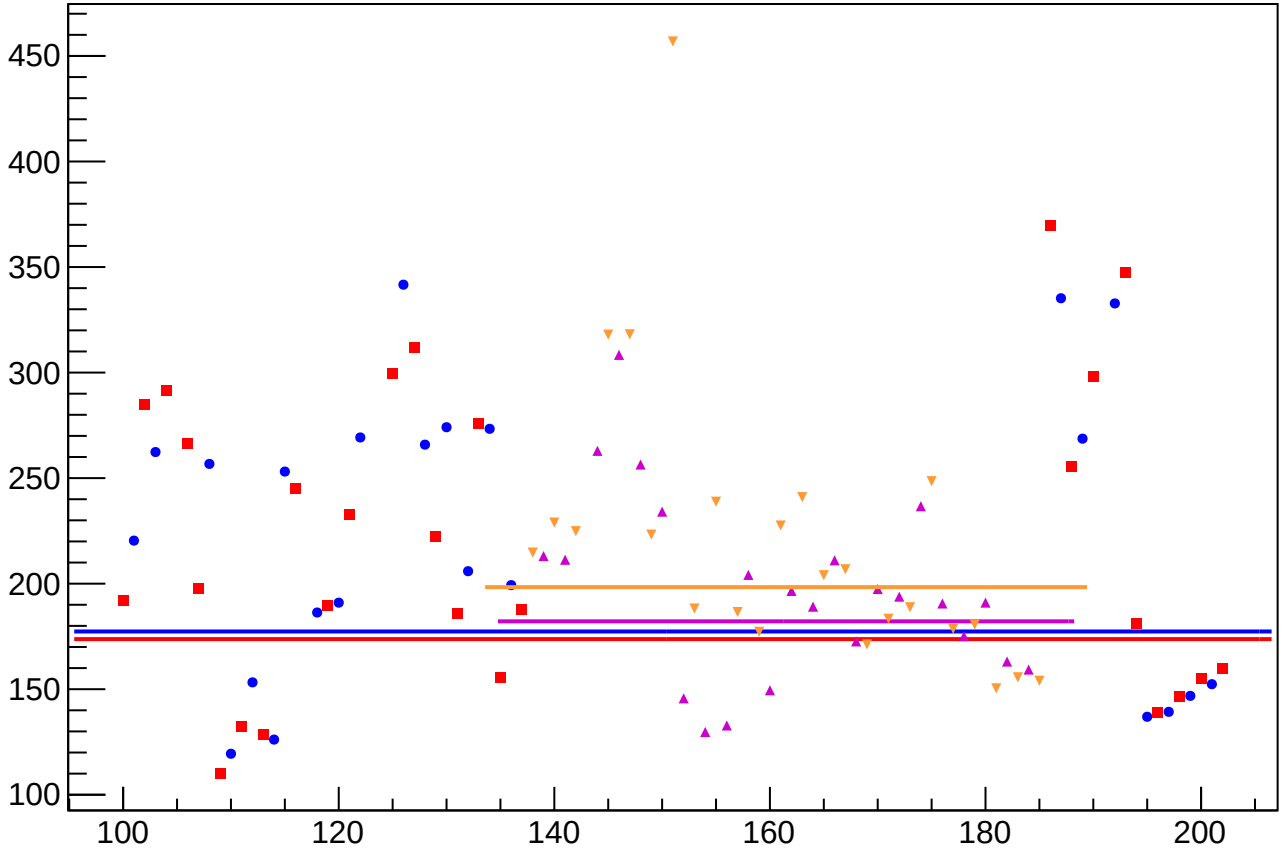
Right: -138.951+/-36.320 χ^2/NDF: 36.4/49

In: 25.856+/-34.166 χ^2/NDF:41.0/45

Out: 2.839+/-34.357 χ^2/NDF:45.2/50

All: 14.412+/-24.226 χ^2/NDF: 86.4/96

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 177.349+/-0.038 χ^2/NDF: 2163356.4/22

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 173.730+/-0.035 χ^2/NDF: 2658310.8/26

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

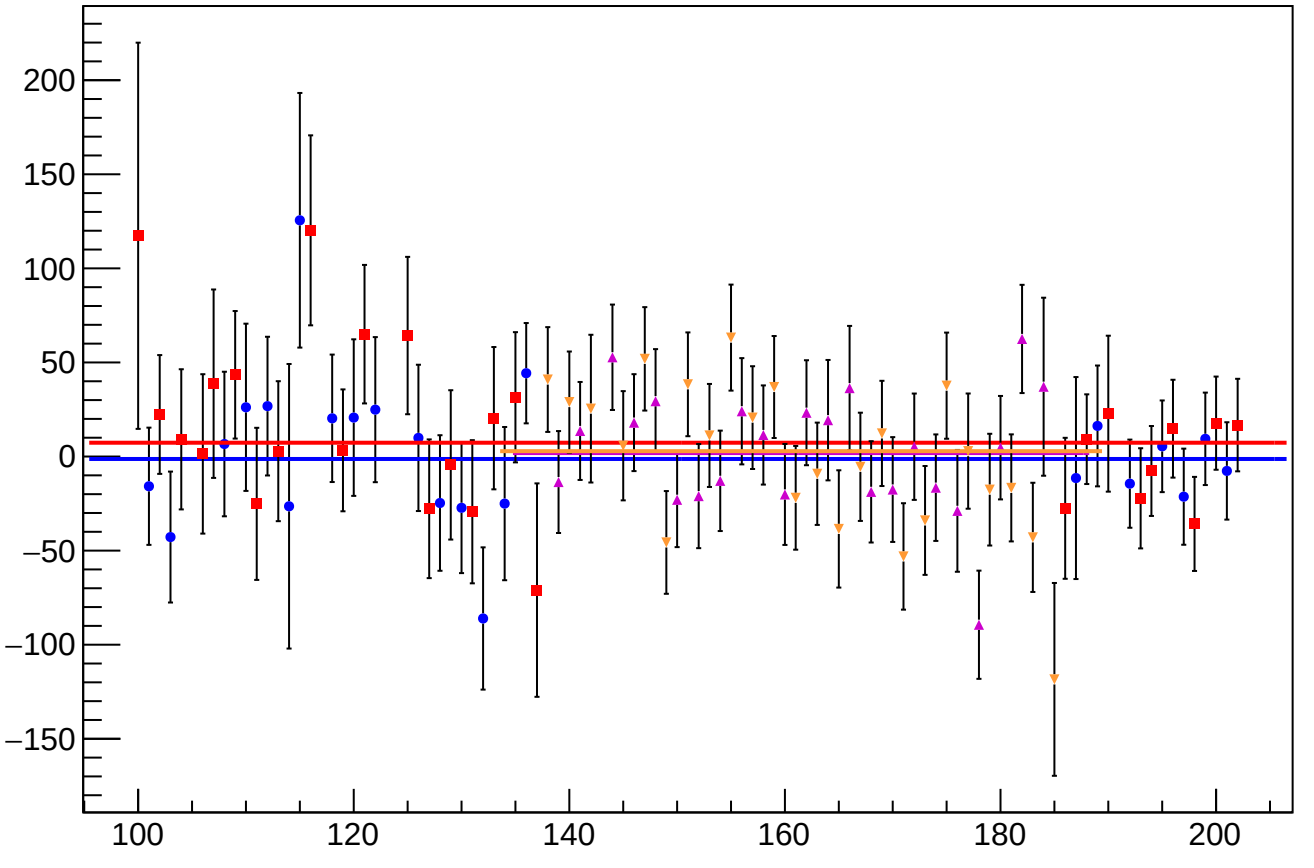
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 175.401+/-0.026 χ^2/NDF: 4826603.0/49

In: 180.189+/-0.024 χ^2/NDF:3757256.9/45

Out: 186.492+/-0.024 χ^2/NDF:4611804.8/50

All: 183.323+/-0.017 χ^2/NDF: 8402913.9/96



Right In: -1.295+/-6.938 χ^2/NDF: 18.4/22

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 7.342+/-6.438 χ^2/NDF: 23.4/26

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

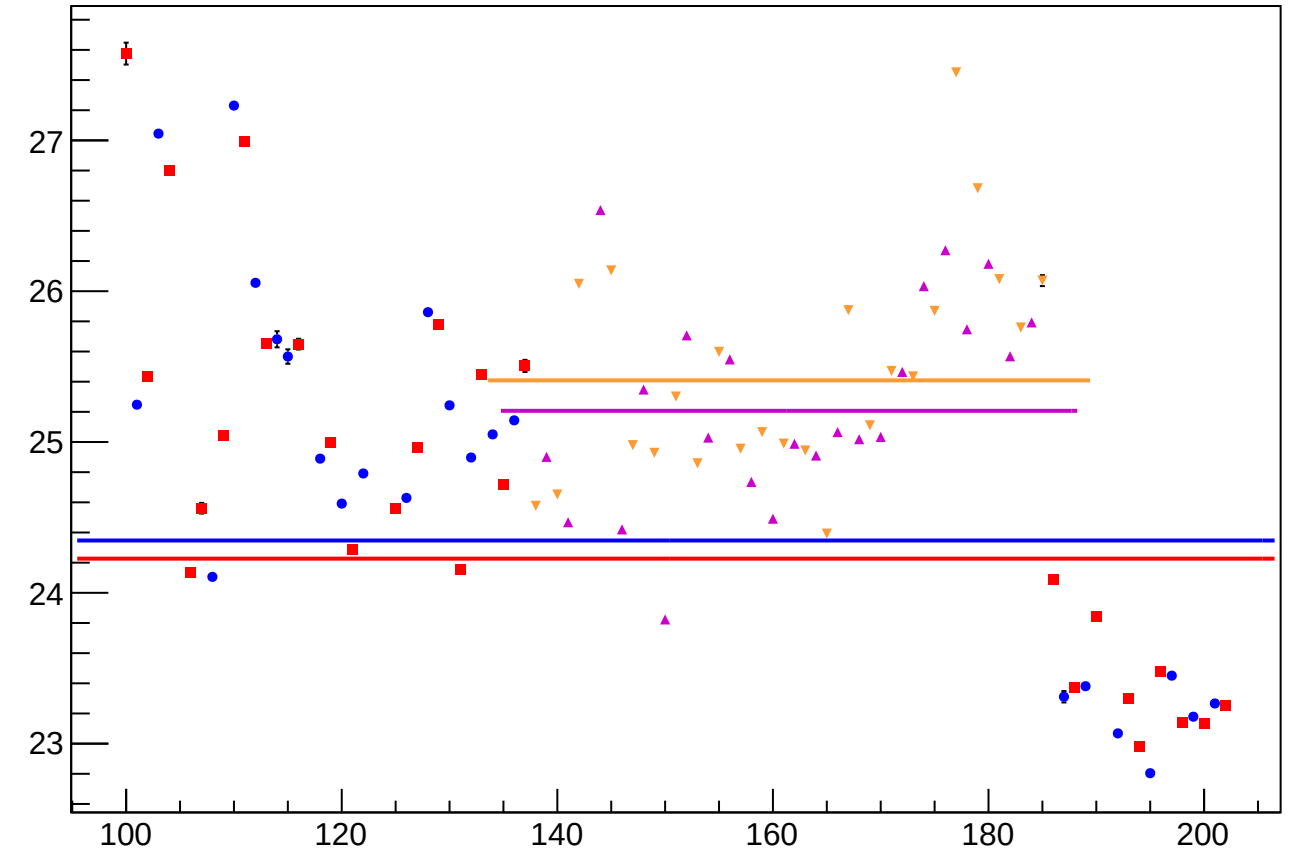
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 3.346+/-4.719 χ^2/NDF: 42.6/49

In: 0.532+/-4.492 χ^2/NDF:46.6/45

Out: 4.902+/-4.351 χ^2/NDF:60.5/50

All: 2.786+/-3.125 χ^2/NDF: 107.6/96



Right In: 24.347+/-0.005 χ^2/NDF: 63419.9/22

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.227+/-0.005 χ^2/NDF: 61495.5/26

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

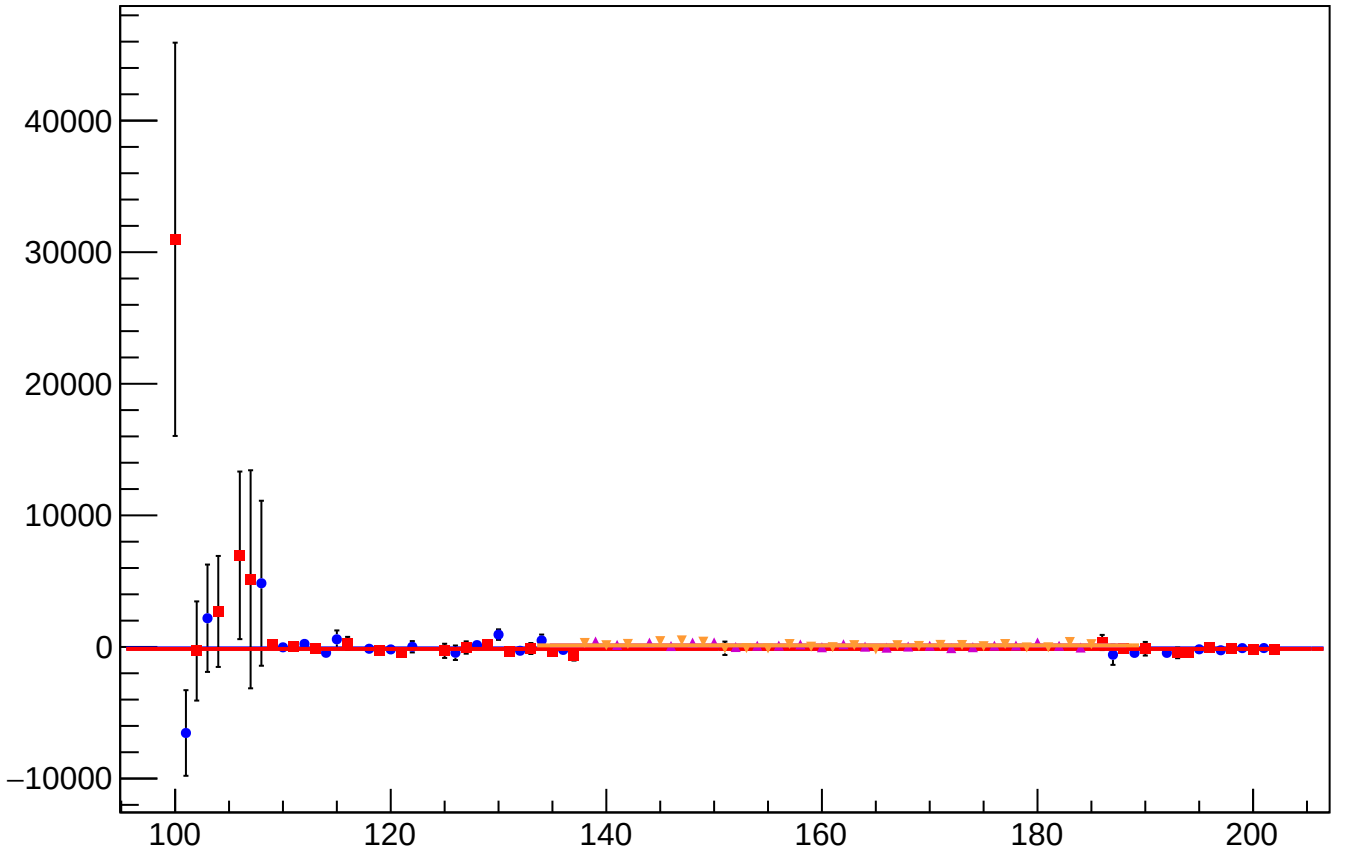
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.282+/-0.003 χ^2/NDF: 125238.0/49

In: 24.846+/-0.003 χ^2/NDF:107091.9/45

Out: 24.869+/-0.003 χ^2/NDF:124974.1/50

All: 24.858+/-0.002 χ^2/NDF: 232091.4/96



Right In: -108.710+/-56.351 χ^2/NDF: 22.9/22

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -150.421+/-52.875 χ^2/NDF: 18.2/26

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

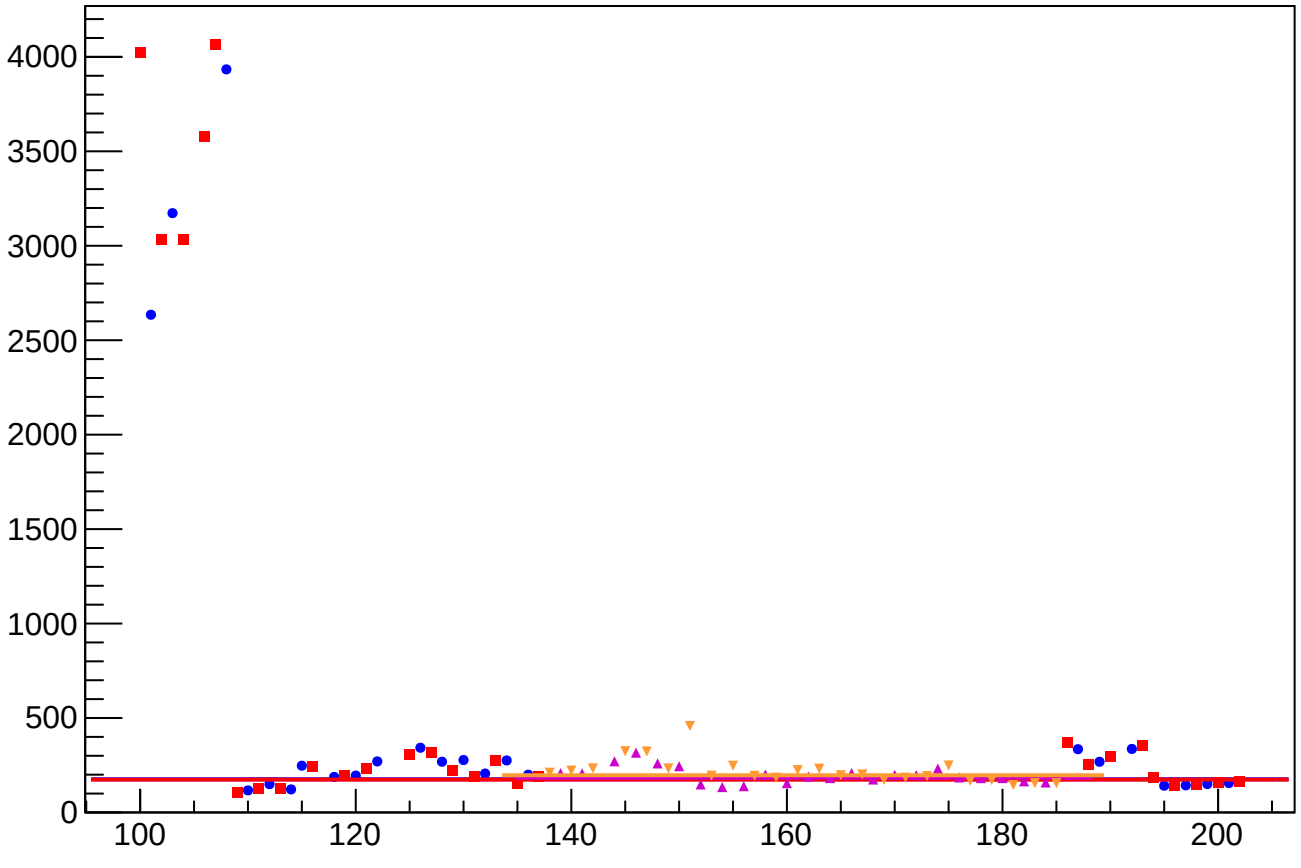
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -130.892+/-38.559 χ^2/NDF: 41.4/49

In: 29.158+/-35.061 χ^2/NDF:41.1/45

Out: -0.480+/-35.311 χ^2/NDF:44.6/50

All: 14.444+/-24.880 χ^2/NDF: 86.1/96



Right In: 175.739+/-0.040 χ^2/NDF: 4813386.8/22

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 174.060+/-0.037 χ^2/NDF: 5333165.5/26

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

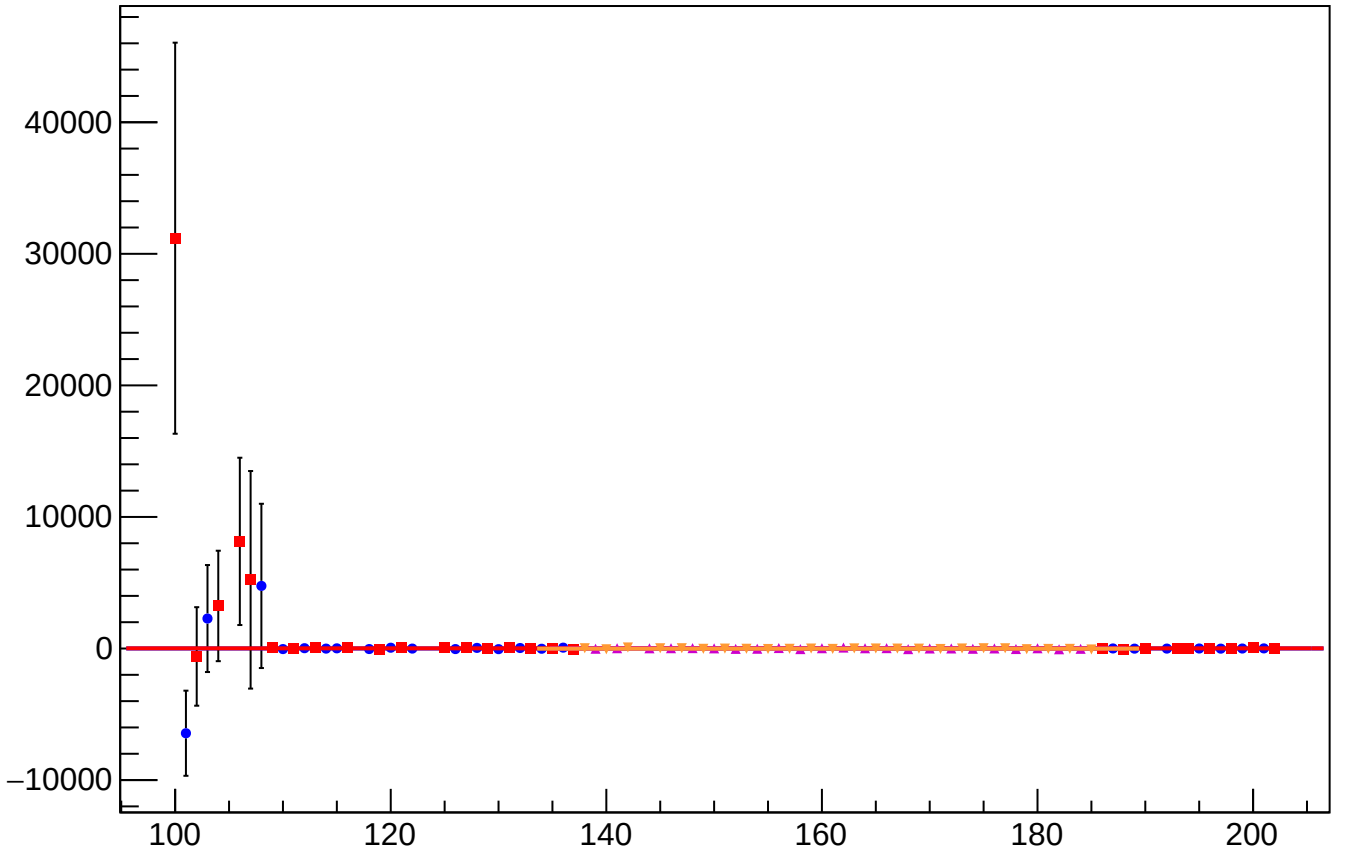
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 174.846+/-0.027 χ^2/NDF: 10147496.6/49

In: 180.833+/-0.025 χ^2/NDF:6285481.5/45

Out: 186.733+/-0.025 χ^2/NDF:7349821.3/50

All: 183.762+/-0.018 χ^2/NDF: 13663420.1/96



Right In: 2.163+/-8.414 χ^2/NDF: 18.9/22

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 14.016+/-7.937 χ^2/NDF: 28.4/26

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

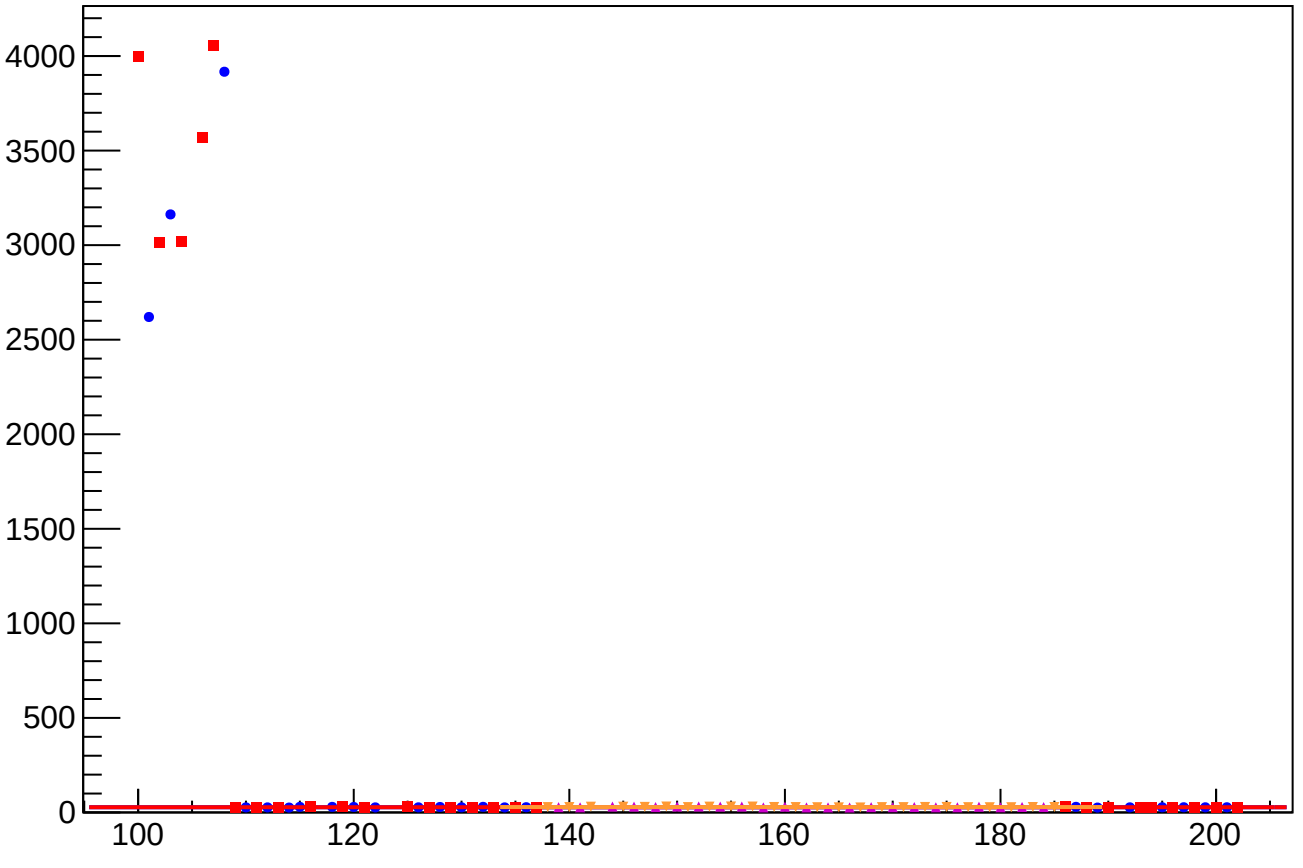
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 8.435+/-5.774 χ^2/NDF: 48.4/49

In: 2.415+/-5.257 χ^2/NDF:41.0/45

Out: -0.742+/-5.099 χ^2/NDF:51.8/50

All: 0.788+/-3.660 χ^2/NDF: 93.1/96



Right In: 27.514+/-0.006 χ^2/NDF: 3275051.5/22

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.586+/-0.006 χ^2/NDF: 3579911.9/26

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

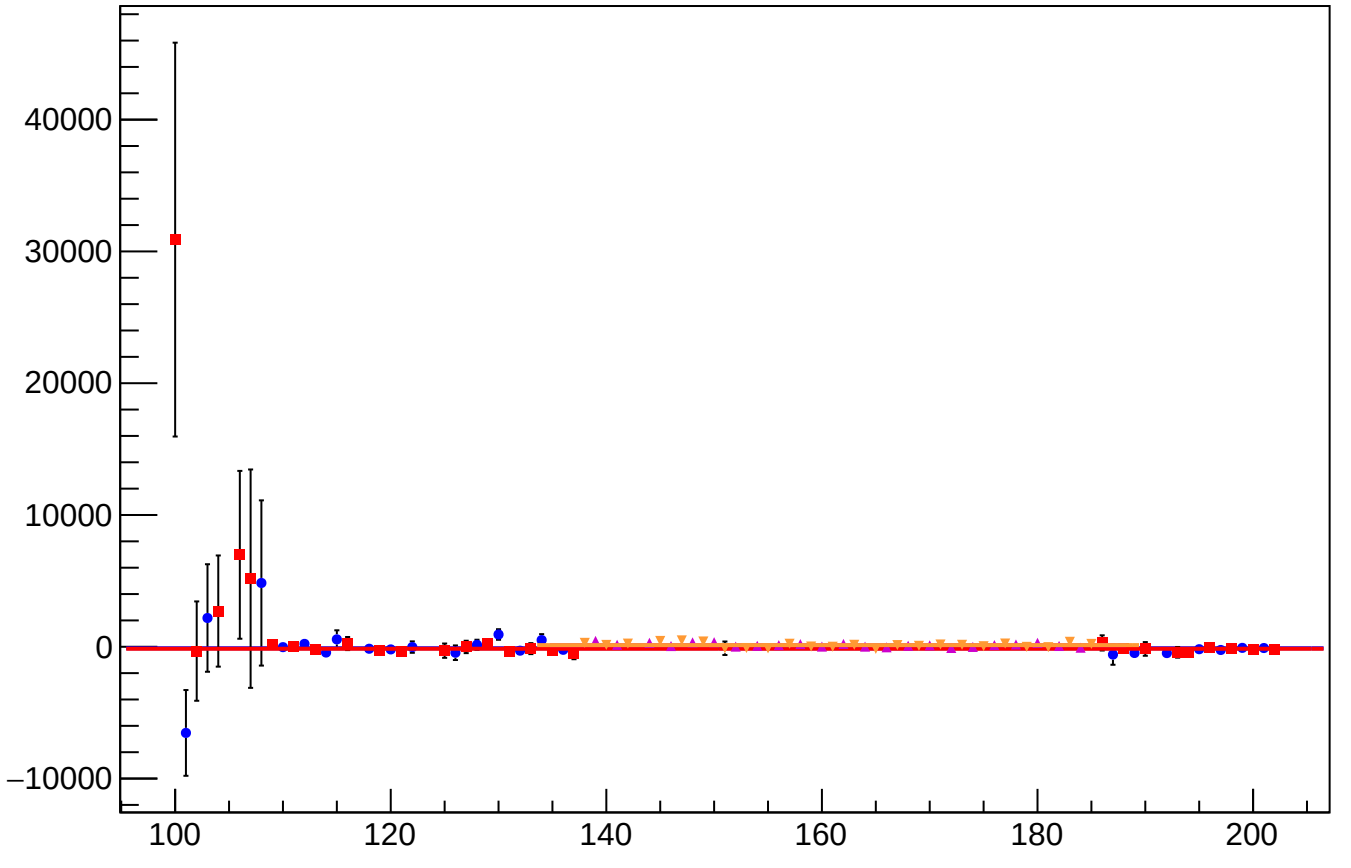
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.552+/-0.004 χ^2/NDF: 6855040.7/49

In: 28.254+/-0.004 χ^2/NDF:3427814.7/45

Out: 28.177+/-0.004 χ^2/NDF:3679802.5/50

All: 28.214+/-0.003 χ^2/NDF: 7107838.2/96



Right In: -113.570+/-56.634 χ^2/NDF: 22.8/22

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -149.089+/-53.111 χ^2/NDF: 17.0/26

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

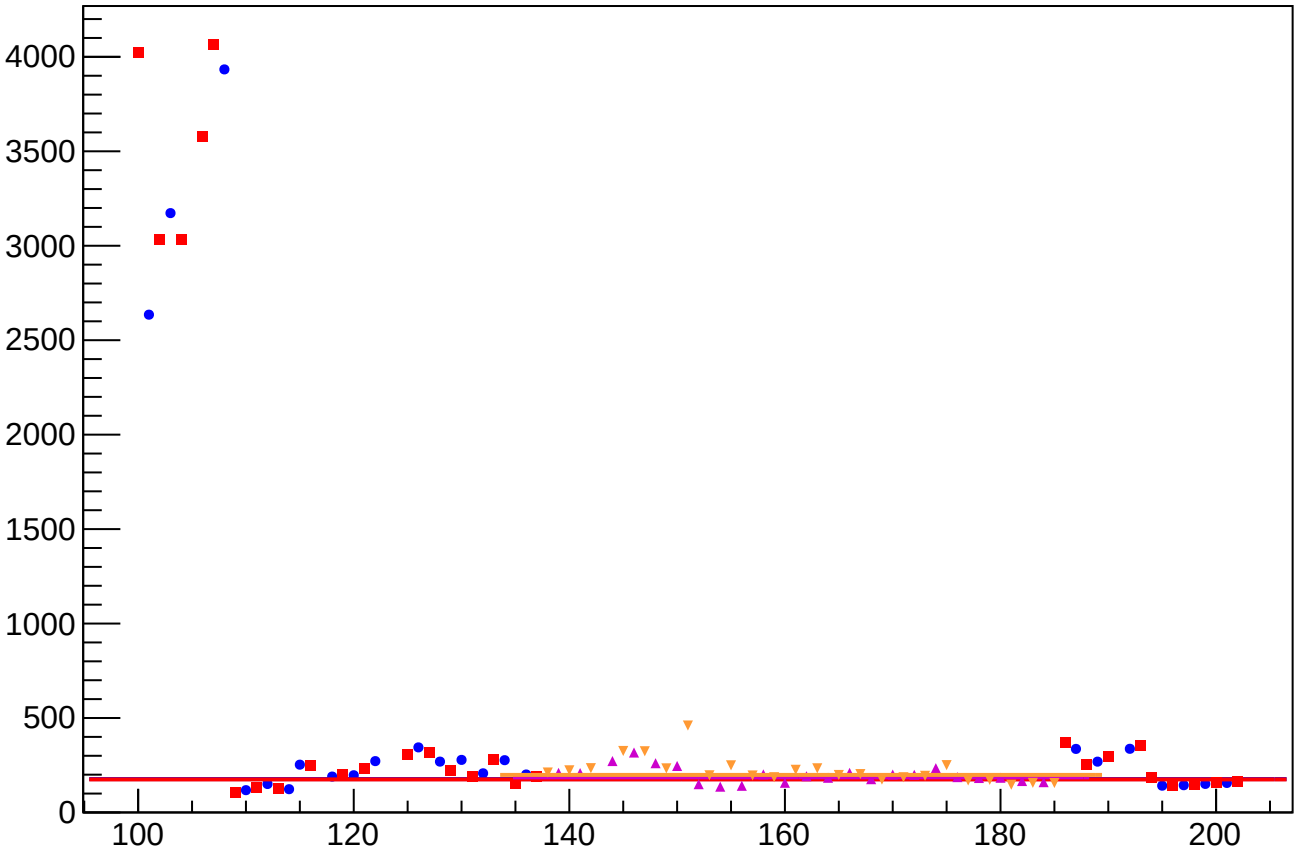
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -132.469+/-38.741 χ^2/NDF: 39.9/49

In: 30.832+/-35.327 χ^2/NDF:41.4/45

Out: 2.951+/-35.551 χ^2/NDF:43.4/50

All: 16.980+/-25.059 χ^2/NDF: 85.1/96



Right In: 176.647+/-0.040 χ^2/NDF: 4808689.9/22

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.898+/-0.038 χ^2/NDF: 5321173.0/26

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

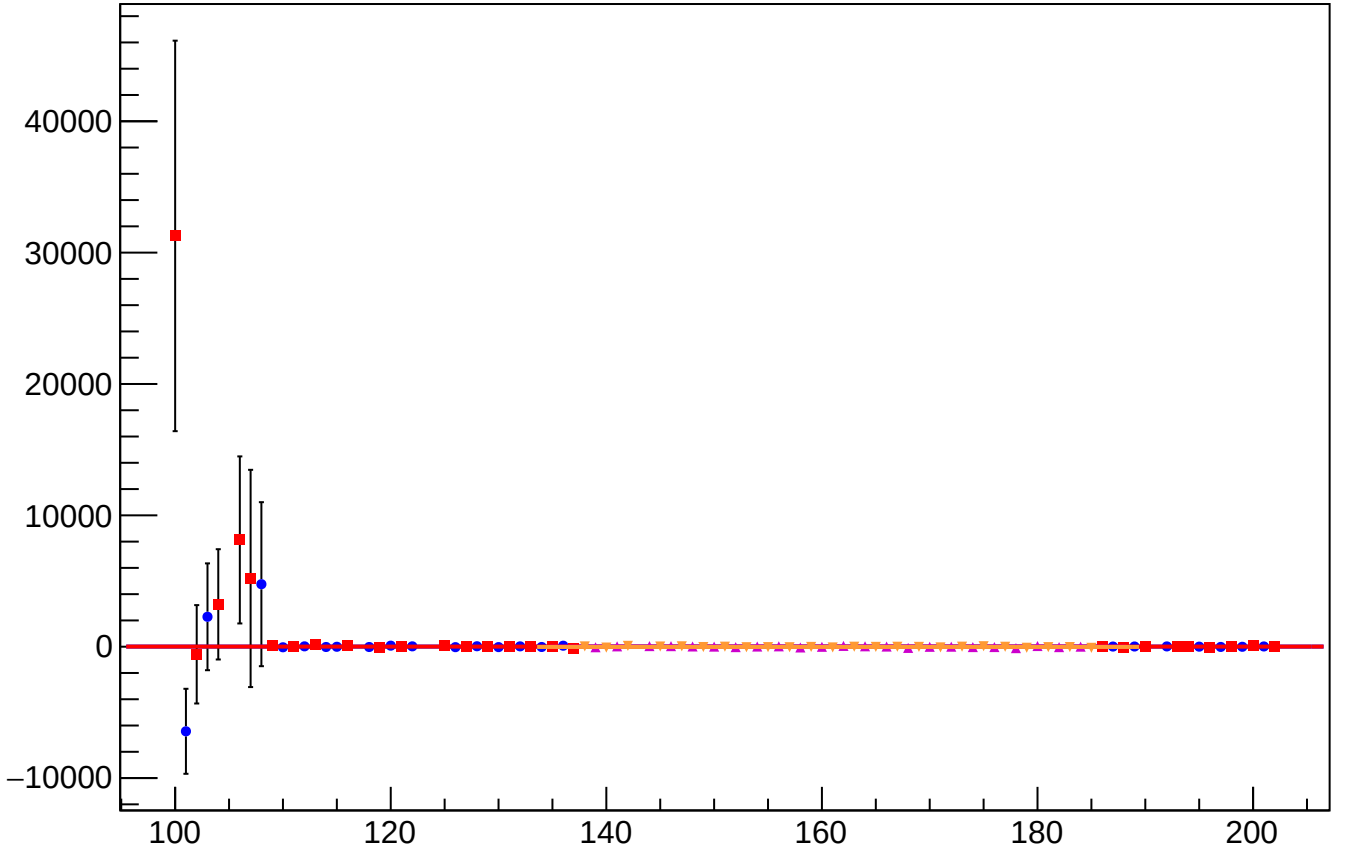
Right: 175.716+/-0.027 χ^2/NDF: 10130877.7/49

In: 182.282+/-0.025 χ^2/NDF:6246628.7/45

Out: 188.055+/-0.025 χ^2/NDF:7329959.6/50

All: 185.150+/-0.018 χ^2/NDF: 13603126.3/96

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 10.027+/-9.301 χ^2/NDF: 16.8/22

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 8.862+/-8.758 χ^2/NDF: 36.7/26

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

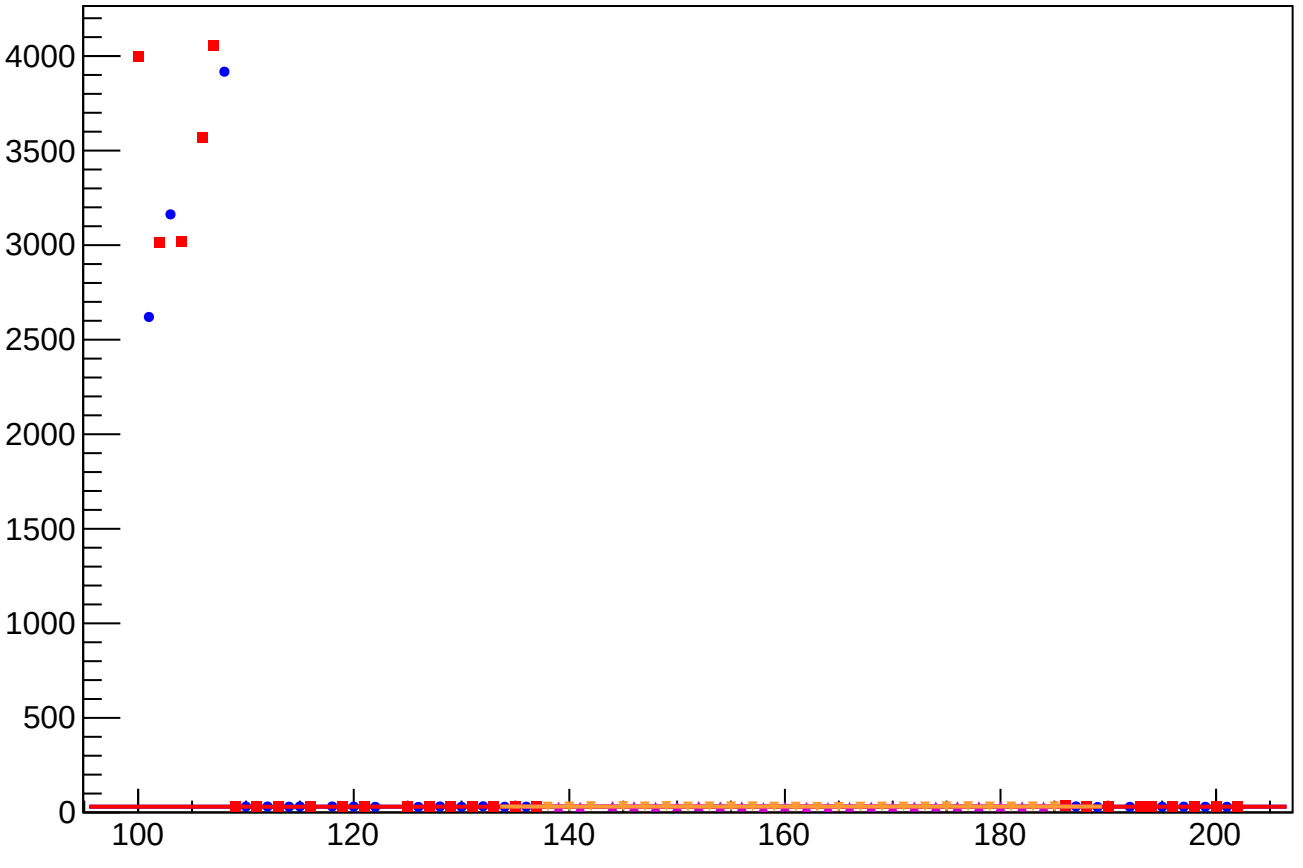
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 9.409+/-6.376 χ^2/NDF: 53.5/49

In: 2.185+/-5.766 χ^2/NDF:53.4/45

Out: -7.172+/-5.589 χ^2/NDF:62.7/50

All: -2.639+/-4.013 χ^2/NDF: 117.5/96



Right In: 30.428+/-0.007 χ^2/NDF: 3263240.0/22

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.459+/-0.006 χ^2/NDF: 3558195.1/26

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

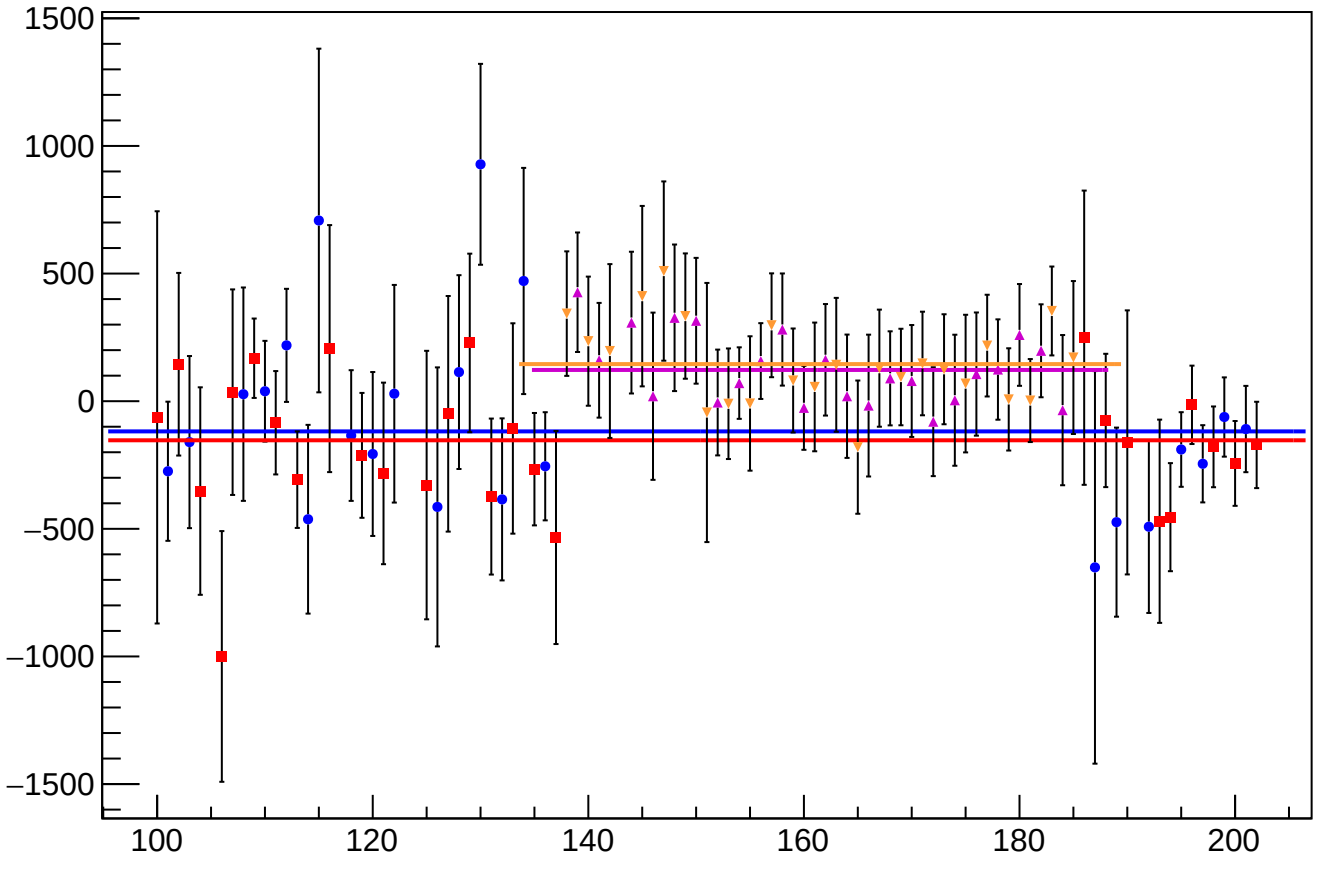
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.444+/-0.005 χ^2/NDF: 6821447.1/49

In: 31.014+/-0.004 χ^2/NDF:3361361.4/45

Out: 30.911+/-0.004 χ^2/NDF:3614598.6/50

All: 30.961+/-0.003 χ^2/NDF: 6976287.1/96



Right In: -118.304+/-53.242 χ^2/NDF: 20.3/22

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -153.158+/-49.308 χ^2/NDF: 17.3/26

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

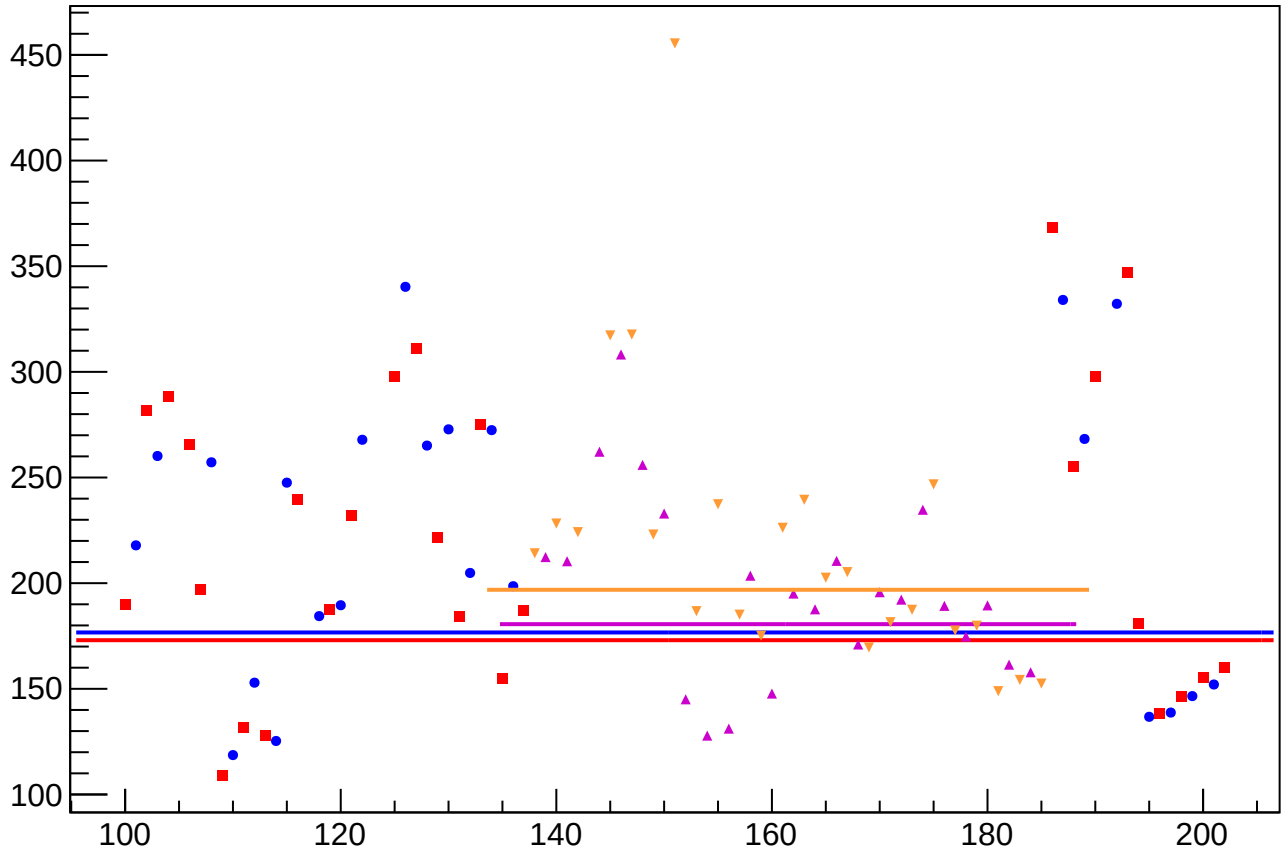
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -137.066+/-36.177 χ^2/NDF: 37.8/49

In: 24.492+/-33.954 χ^2/NDF:40.3/45

Out: 1.995+/-34.168 χ^2/NDF:45.7/50

All: 13.314+/-24.084 χ^2/NDF: 86.2/96



Right In: 176.673+/-0.038 χ^2/NDF: 2155777.1/22

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 173.012+/-0.035 χ^2/NDF: 2656288.6/26

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

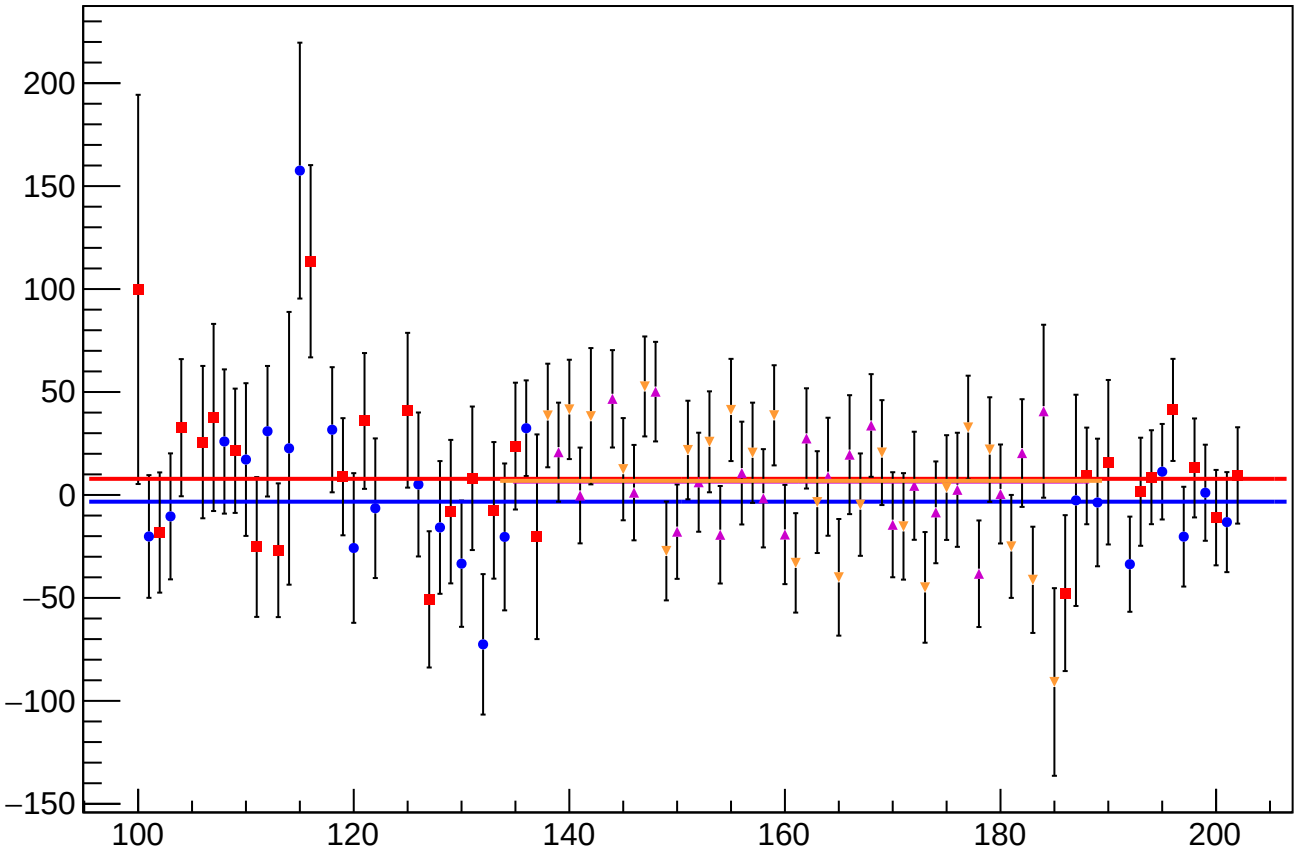
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 174.702+/-0.026 χ^2/NDF: 4817153.9/49

In: 179.004+/-0.024 χ^2/NDF:3790310.8/45

Out: 185.416+/-0.024 χ^2/NDF:4624848.4/50

All: 182.189+/-0.017 χ^2/NDF: 8450598.5/96



Right In: -3.268+/-6.368 χ^2/NDF: 21.8/22

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 7.836+/-5.963 χ^2/NDF: 20.8/26

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

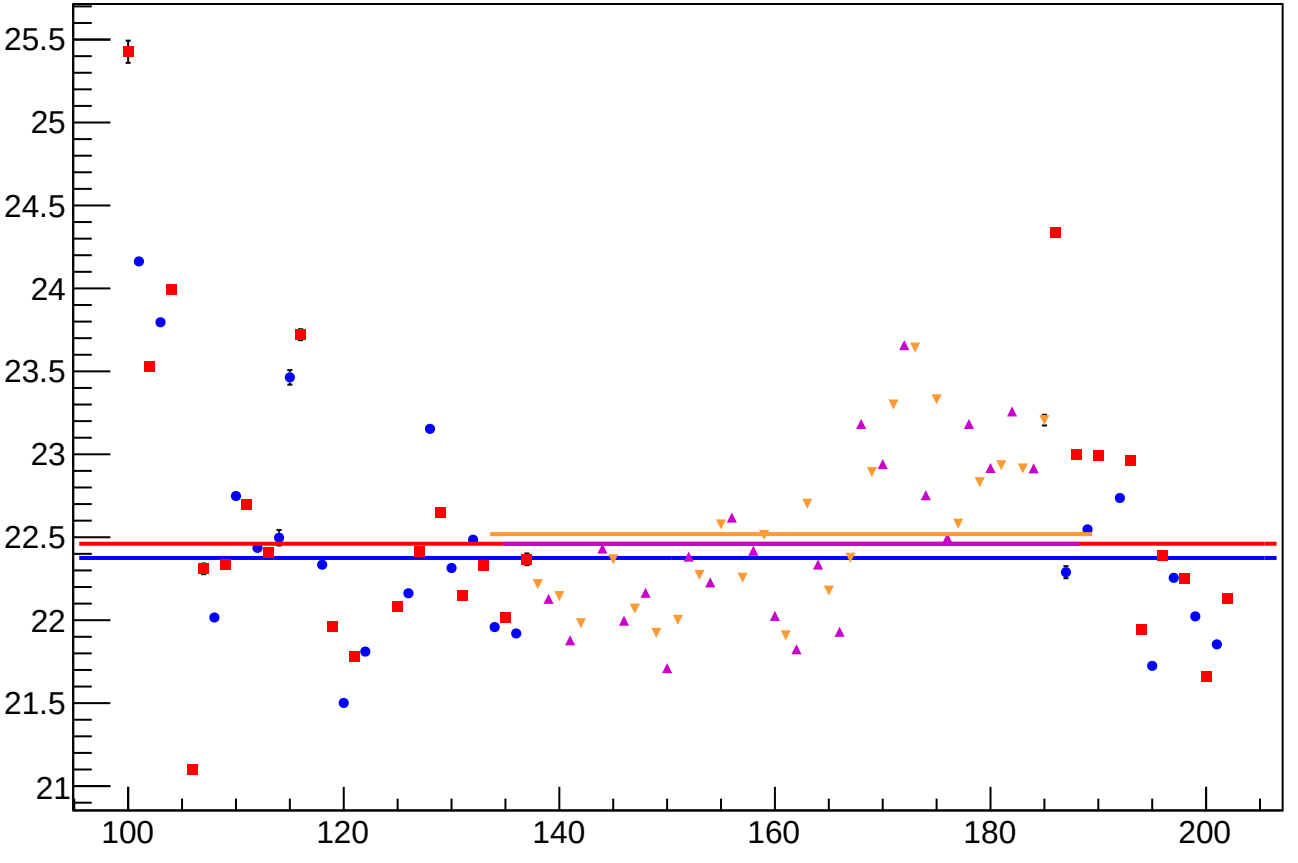
Right: 2.649+/-4.353 χ^2/NDF: 44.3/49

In: 2.540+/-4.049 χ^2/NDF:40.6/45

Out: 7.283+/-3.931 χ^2/NDF:57.7/50

All: 4.982+/-2.821 χ^2/NDF: 99.0/96

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.375+/-0.005 χ^2/NDF: 20128.7/22

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.461+/-0.004 χ^2/NDF: 26591.1/26

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

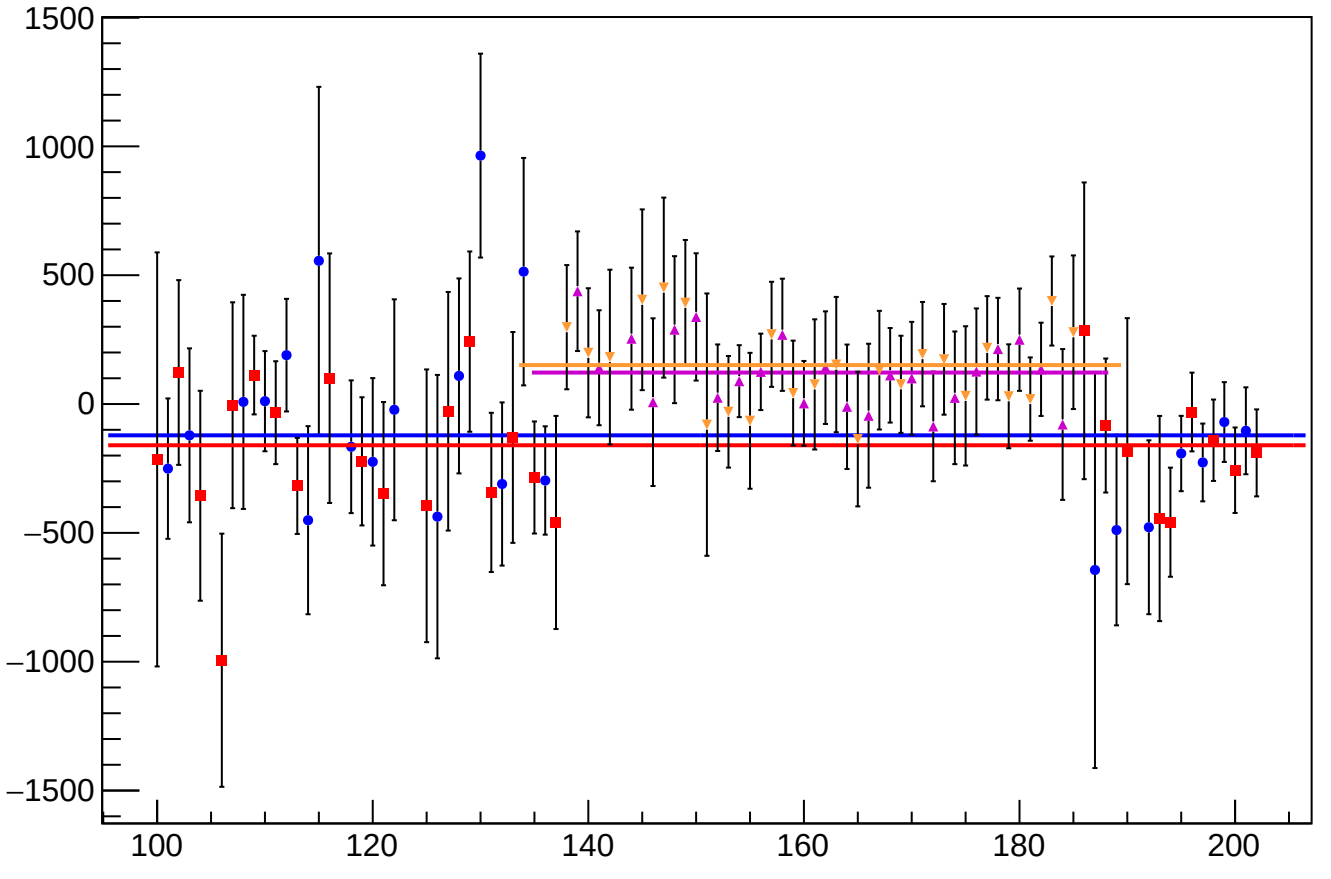
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.421+/-0.003 χ^2/NDF: 46912.9/49

In: 22.426+/-0.003 χ^2/NDF:39458.4/45

Out: 22.494+/-0.003 χ^2/NDF:42696.7/50

All: 22.461+/-0.002 χ^2/NDF: 82444.5/96



Right In: -121.456+/-53.082 χ^2/NDF: 19.6/22

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -160.007+/-49.071 χ^2/NDF: 15.9/26

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

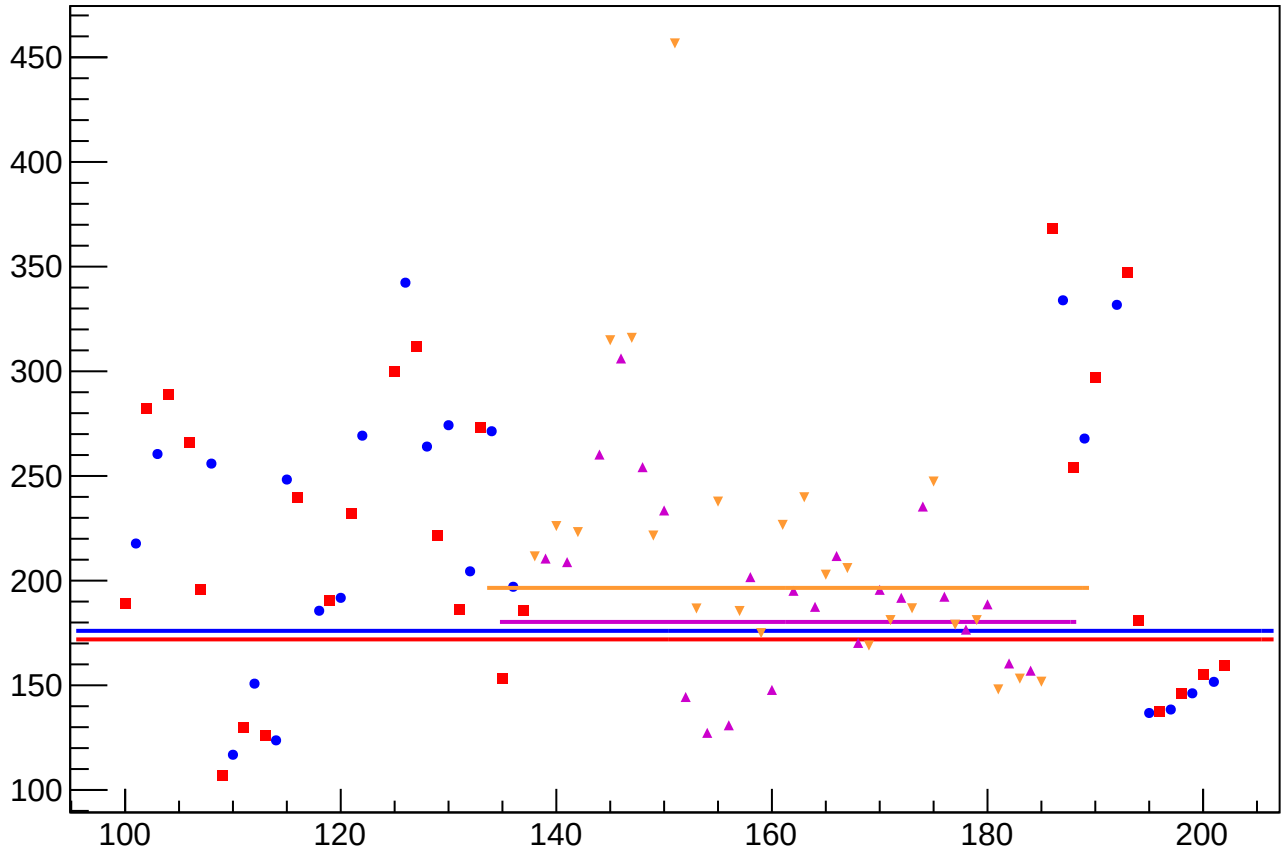
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -142.243+/-36.033 χ^2/NDF: 35.8/49

In: 22.930+/-33.878 χ^2/NDF:39.5/45

Out: 1.213+/-34.061 χ^2/NDF:46.7/50

All: 12.130+/-24.020 χ^2/NDF: 86.5/96



Right In: 176.013+/-0.038 χ^2/NDF: 2186382.3/22

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.926+/-0.035 χ^2/NDF: 2727497.2/26

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

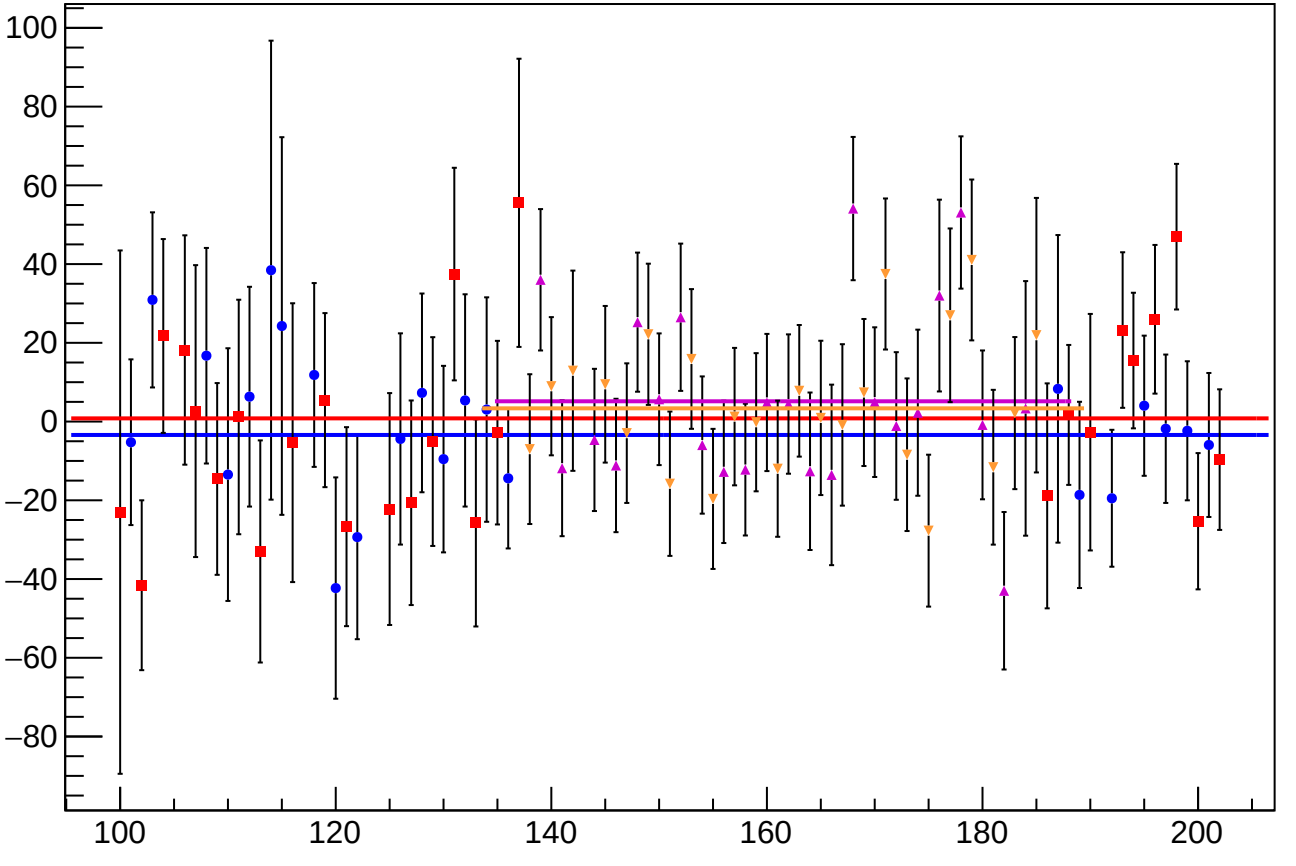
Right: 173.809+/-0.025 χ^2/NDF: 4920272.1/49

In: 178.539+/-0.024 χ^2/NDF:3818704.4/45

Out: 184.678+/-0.024 χ^2/NDF:4716007.8/50

All: 181.592+/-0.017 χ^2/NDF: 8567372.6/96

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -3.403+/-4.903 χ^2/NDF: 9.7/22

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 0.810+/-4.588 χ^2/NDF: 27.8/26

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

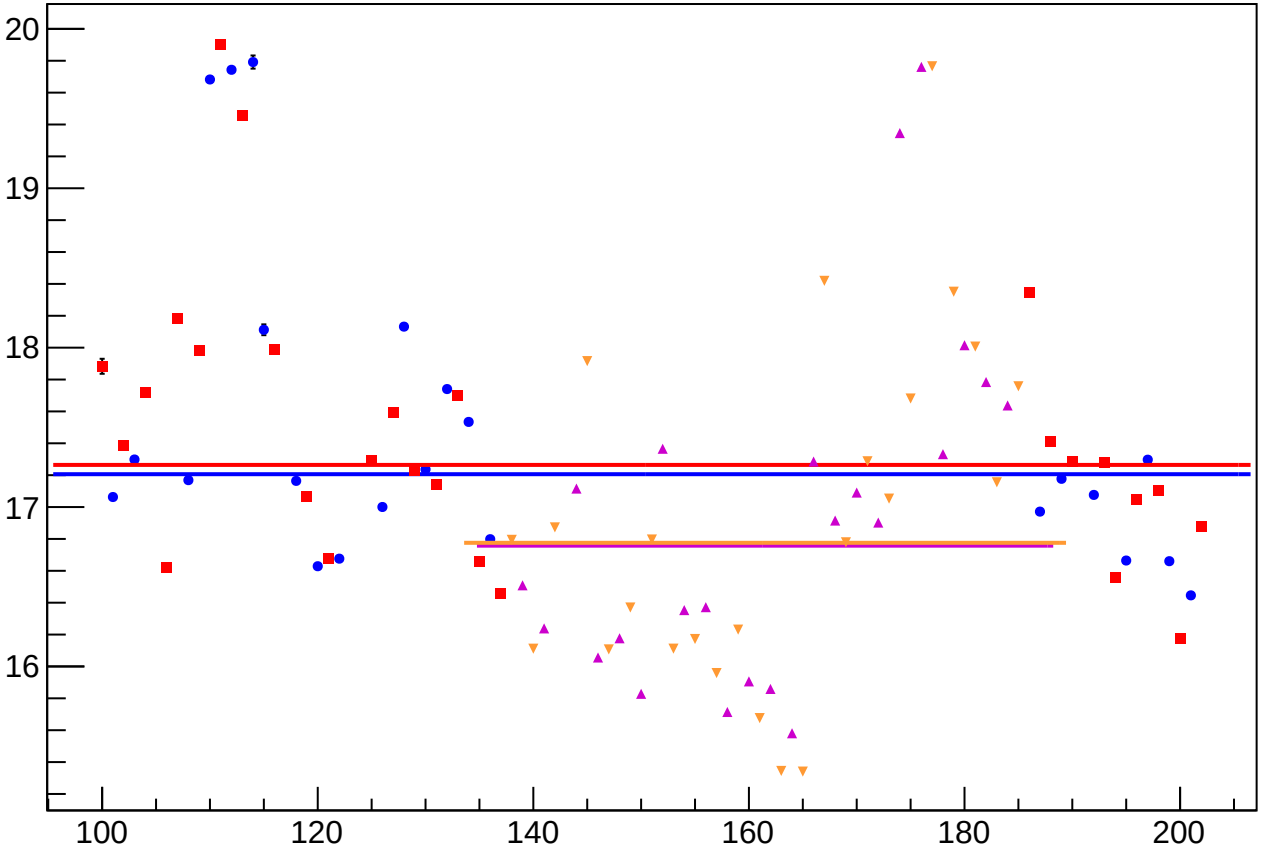
Right: -1.157+/-3.350 χ^2/NDF: 37.8/49

In: 1.811+/-3.064 χ^2/NDF:43.8/45

Out: 2.288+/-2.974 χ^2/NDF:45.6/50

All: 2.057+/-2.134 χ^2/NDF: 89.5/96

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.206+/-0.003 χ^2/NDF: 47253.1/22

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.264+/-0.003 χ^2/NDF: 53634.3/26

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

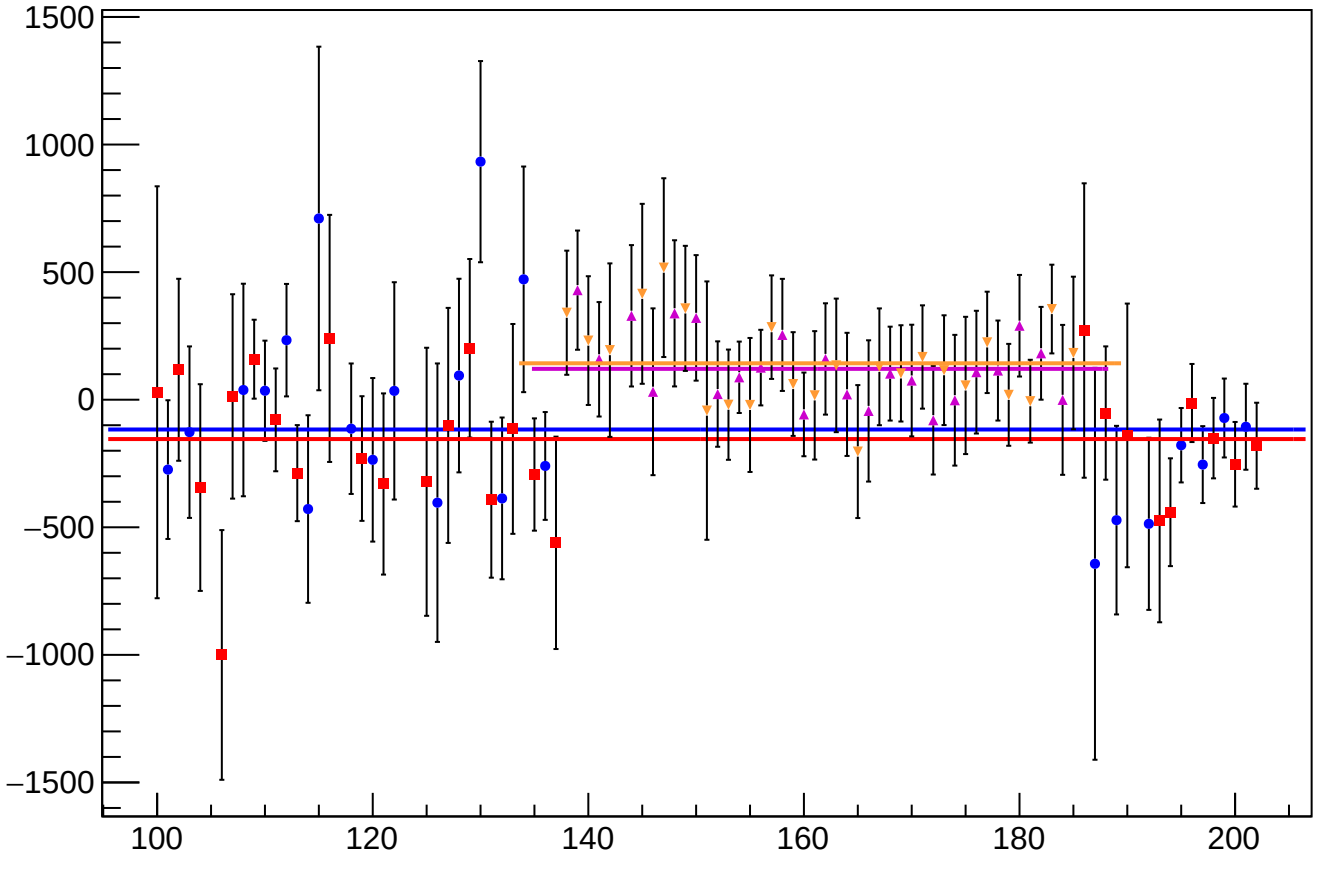
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.237+/-0.002 χ^2/NDF: 101037.9/49

In: 16.933+/-0.002 χ^2/NDF:180752.8/45

Out: 16.981+/-0.002 χ^2/NDF:202933.4/50

All: 16.958+/-0.002 χ^2/NDF: 383940.5/96



Right In: -116.738+/-53.077 χ^2/NDF: 20.4/22

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -154.240+/-49.163 χ^2/NDF: 17.3/26

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

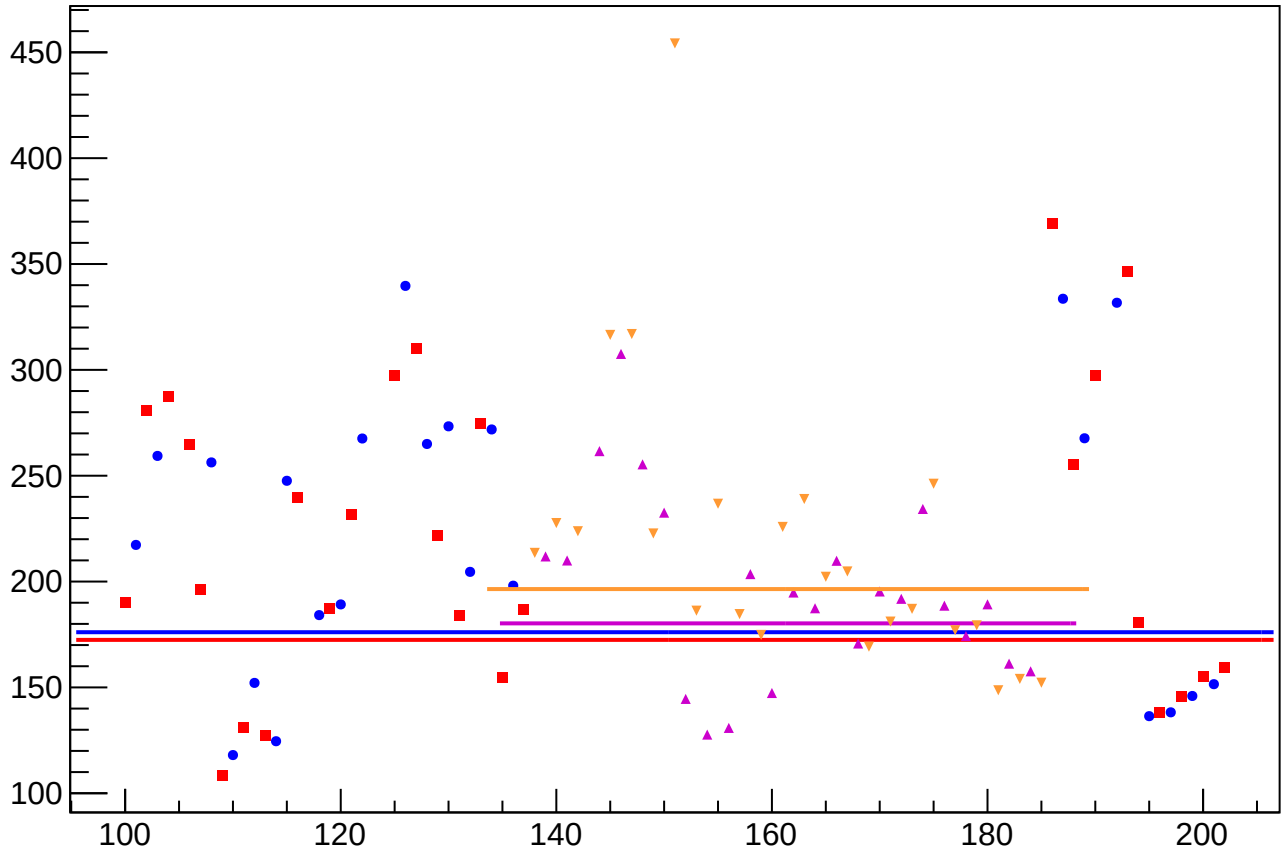
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -136.922+/-36.068 χ^2/NDF: 38.0/49

In: 24.116+/-33.872 χ^2/NDF:40.5/45

Out: 0.001+/-34.081 χ^2/NDF:46.4/50

All: 12.133+/-24.025 χ^2/NDF: 87.2/96



Right In: 176.075+/-0.038 χ^2/NDF: 2169037.5/22

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 172.449+/-0.035 χ^2/NDF: 2673216.1/26

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

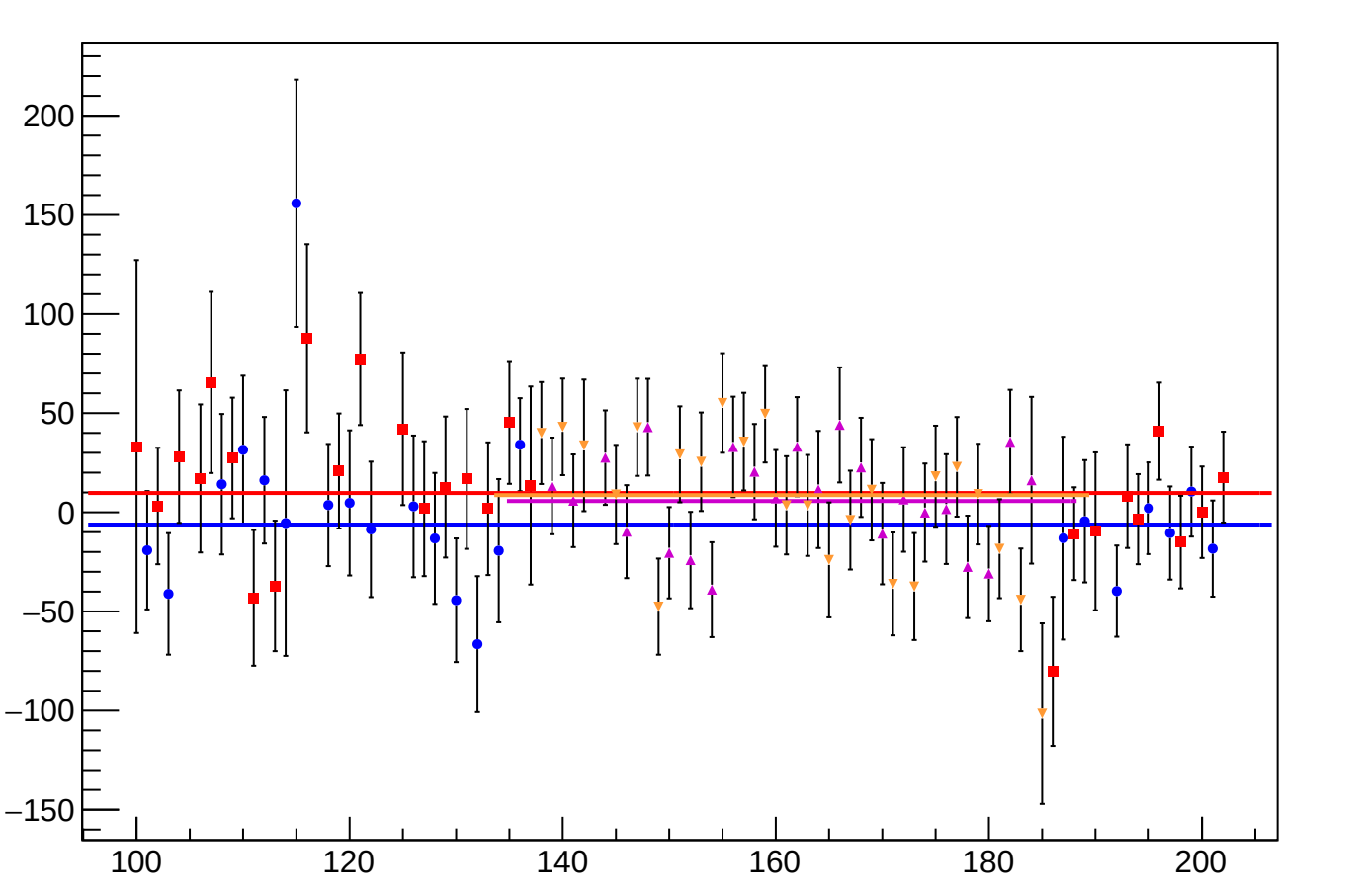
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 174.123+/-0.026 χ^2/NDF: 4847275.9/49

In: 178.548+/-0.024 χ^2/NDF:3804143.7/45

Out: 184.917+/-0.024 χ^2/NDF:4644377.8/50

All: 181.713+/-0.017 χ^2/NDF: 8483658.0/96



Right In: -6.183+/-6.370 χ^2/NDF: 21.2/22

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.727+/-5.966 χ^2/NDF: 26.0/26

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

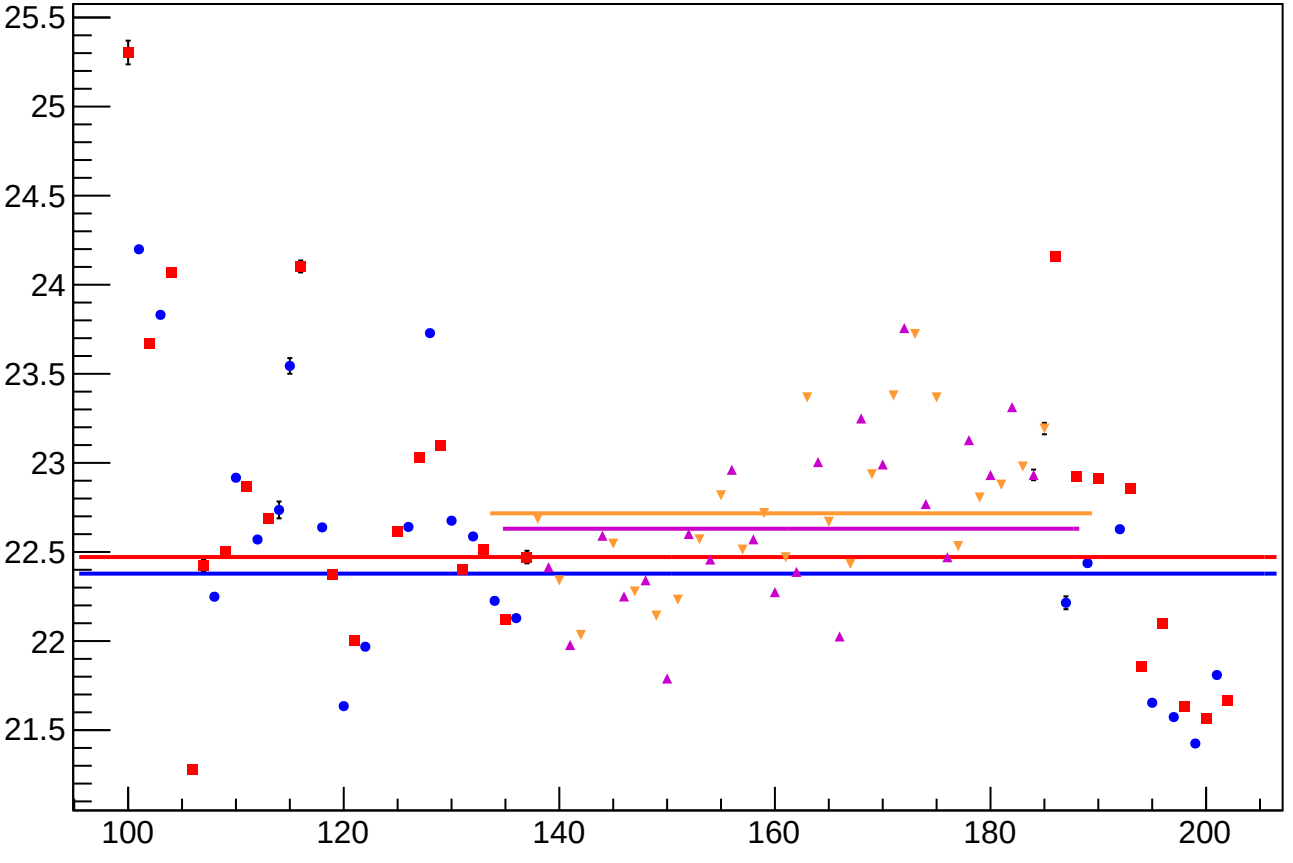
Right: 2.293+/-4.355 χ^2/NDF: 50.5/49

In: 0.835+/-4.068 χ^2/NDF:44.0/45

Out: 9.131+/-3.952 χ^2/NDF:65.2/50

All: 5.103+/-2.835 χ^2/NDF: 111.3/96

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.378+/-0.005 χ^2/NDF: 27643.6/22

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.471+/-0.004 χ^2/NDF: 31867.6/26

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

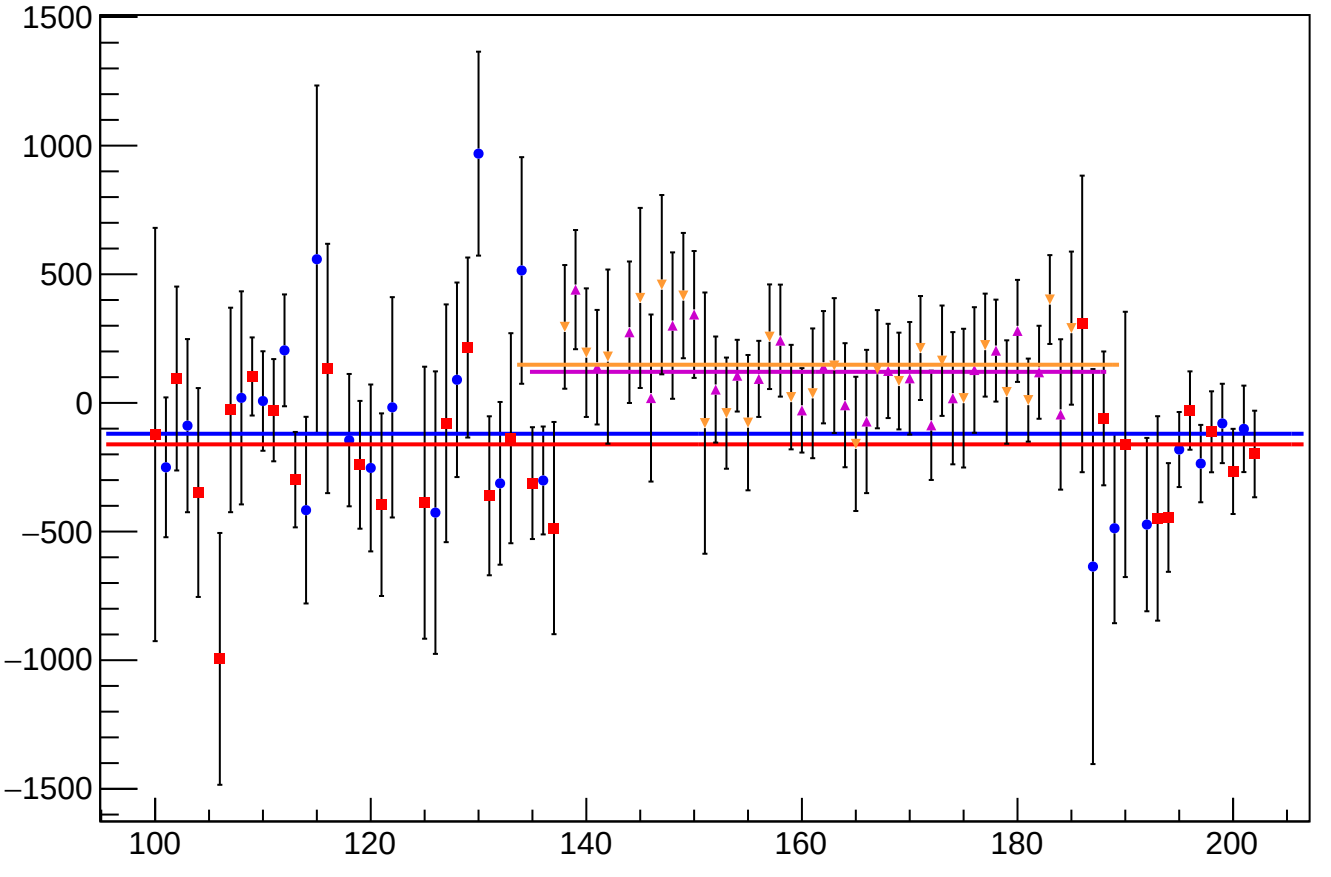
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.428+/-0.003 χ^2/NDF: 59738.5/49

In: 22.528+/-0.003 χ^2/NDF:44890.0/45

Out: 22.609+/-0.003 χ^2/NDF:45945.7/50

All: 22.570+/-0.002 χ^2/NDF: 91249.0/96



Right In: -119.872+/-52.915 χ^2/NDF: 19.7/22

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -161.075+/-48.924 χ^2/NDF: 16.0/26

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

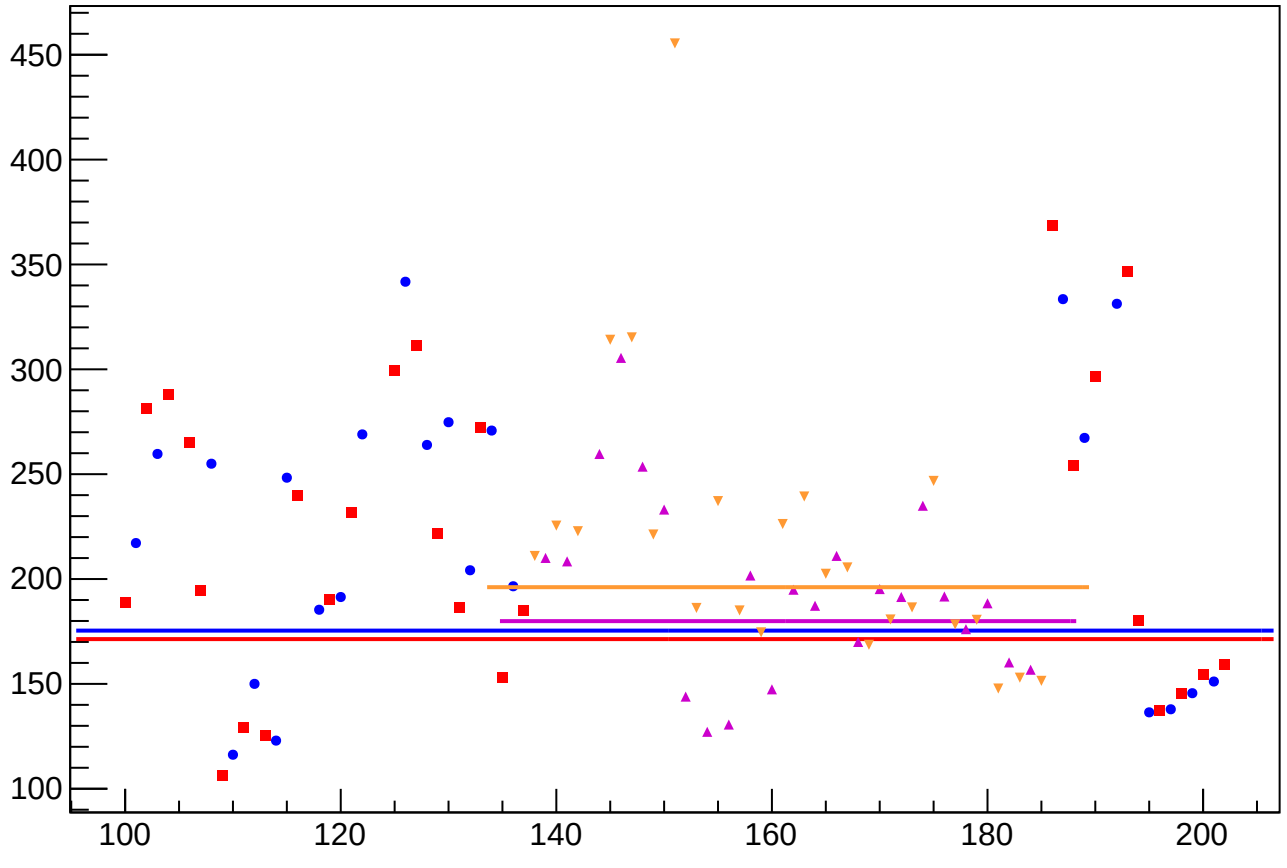
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -142.085+/-35.923 χ^2/NDF: 36.0/49

In: 22.606+/-33.795 χ^2/NDF:39.8/45

Out: -0.819+/-33.974 χ^2/NDF:47.6/50

All: 10.955+/-23.960 χ^2/NDF: 87.7/96



Right In: 175.408+/-0.037 χ^2/NDF: 2200191.0/22

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 171.354+/-0.035 χ^2/NDF: 2745313.9/26

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

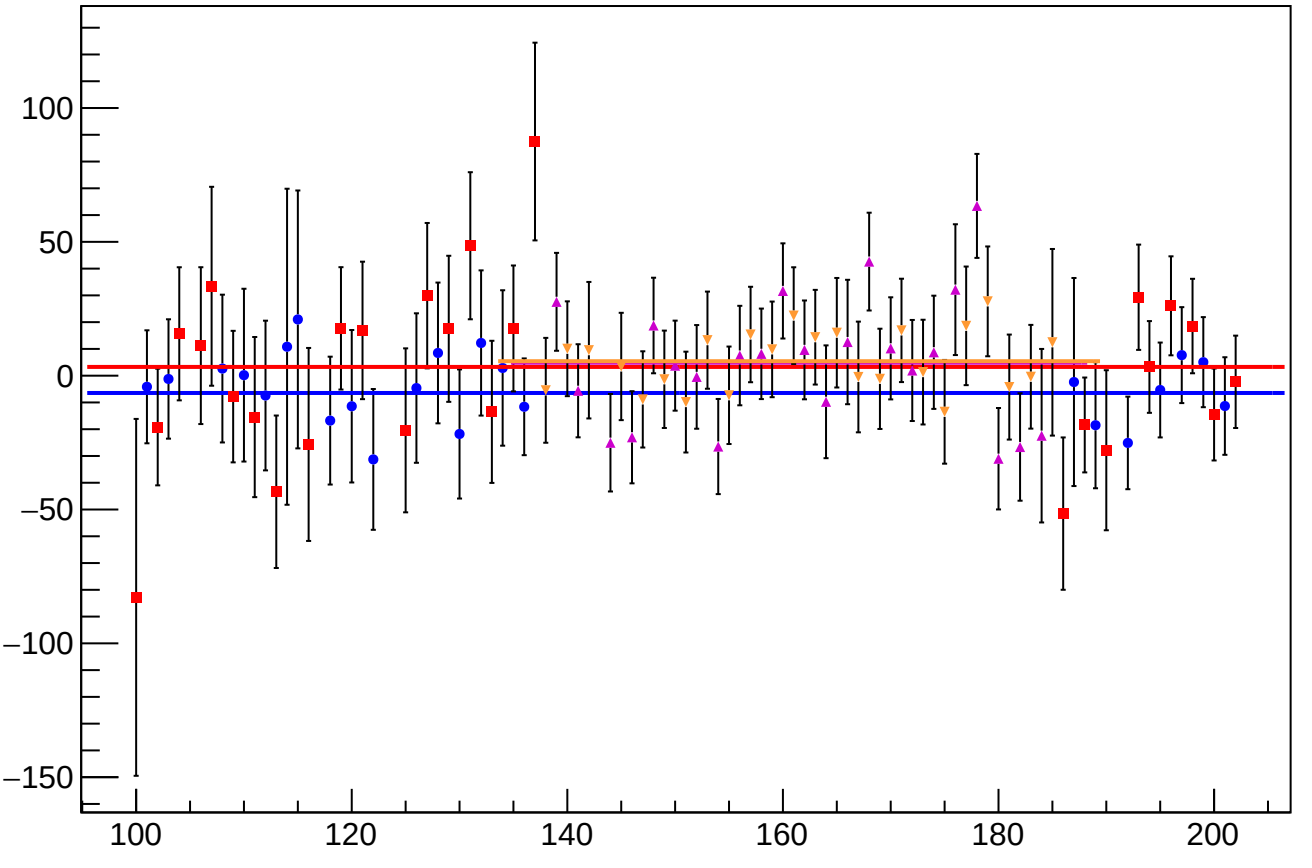
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 173.222+/-0.025 χ^2/NDF: 4951835.2/49

In: 178.082+/-0.024 χ^2/NDF:3832957.6/45

Out: 184.174+/-0.024 χ^2/NDF:4736806.5/50

All: 181.112+/-0.017 χ^2/NDF: 8602085.9/96



Right In: -6.461+/-4.899 χ^2/NDF: 5.7/22

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 3.273+/-4.588 χ^2/NDF: 30.3/26

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

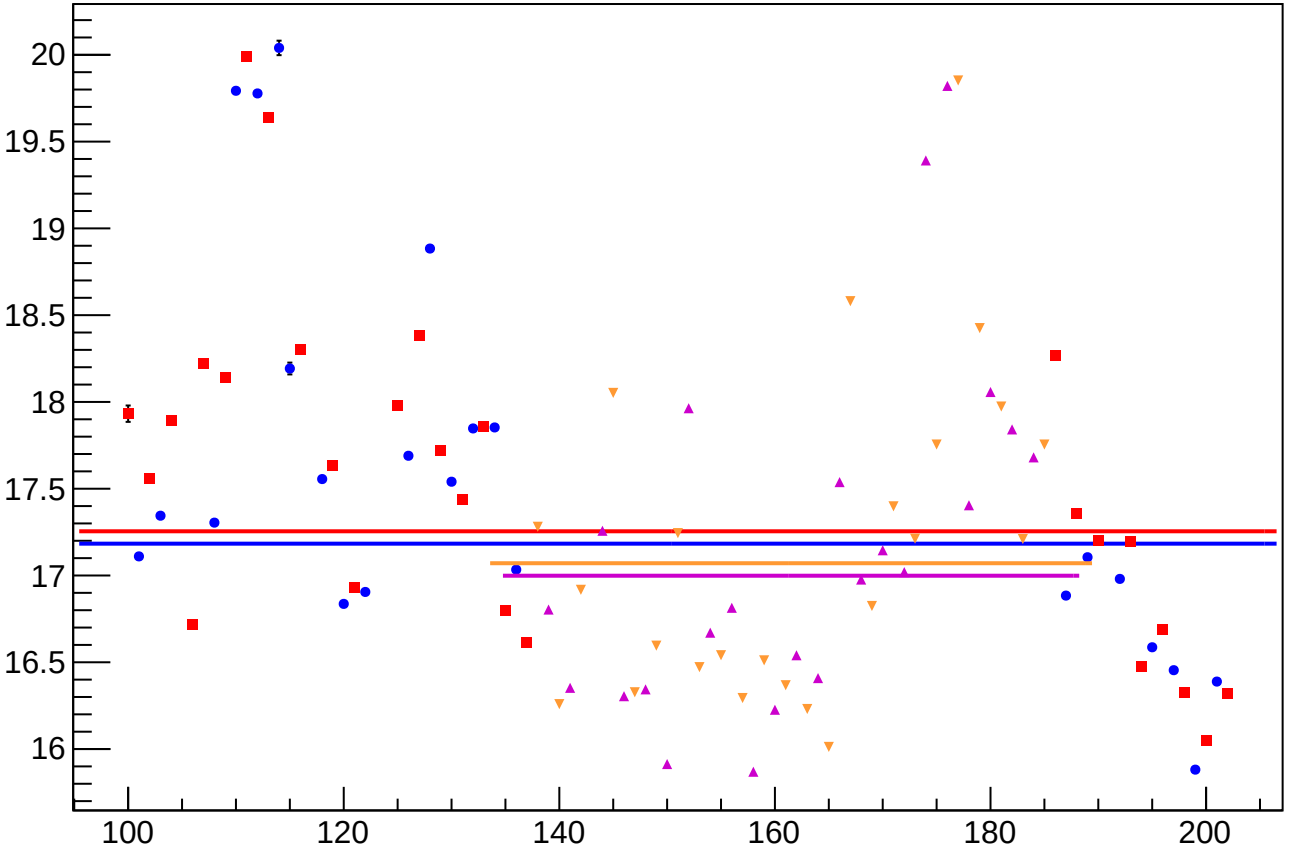
Right: -1.275+/-3.349 χ^2/NDF: 38.2/49

In: 0.358+/-3.089 χ^2/NDF:44.5/45

Out: 4.492+/-3.003 χ^2/NDF:38.2/50

All: 2.484+/-2.153 χ^2/NDF: 83.6/96

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.183+/-0.003 χ^2/NDF: 70643.8/22

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.255+/-0.003 χ^2/NDF: 77294.6/26

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

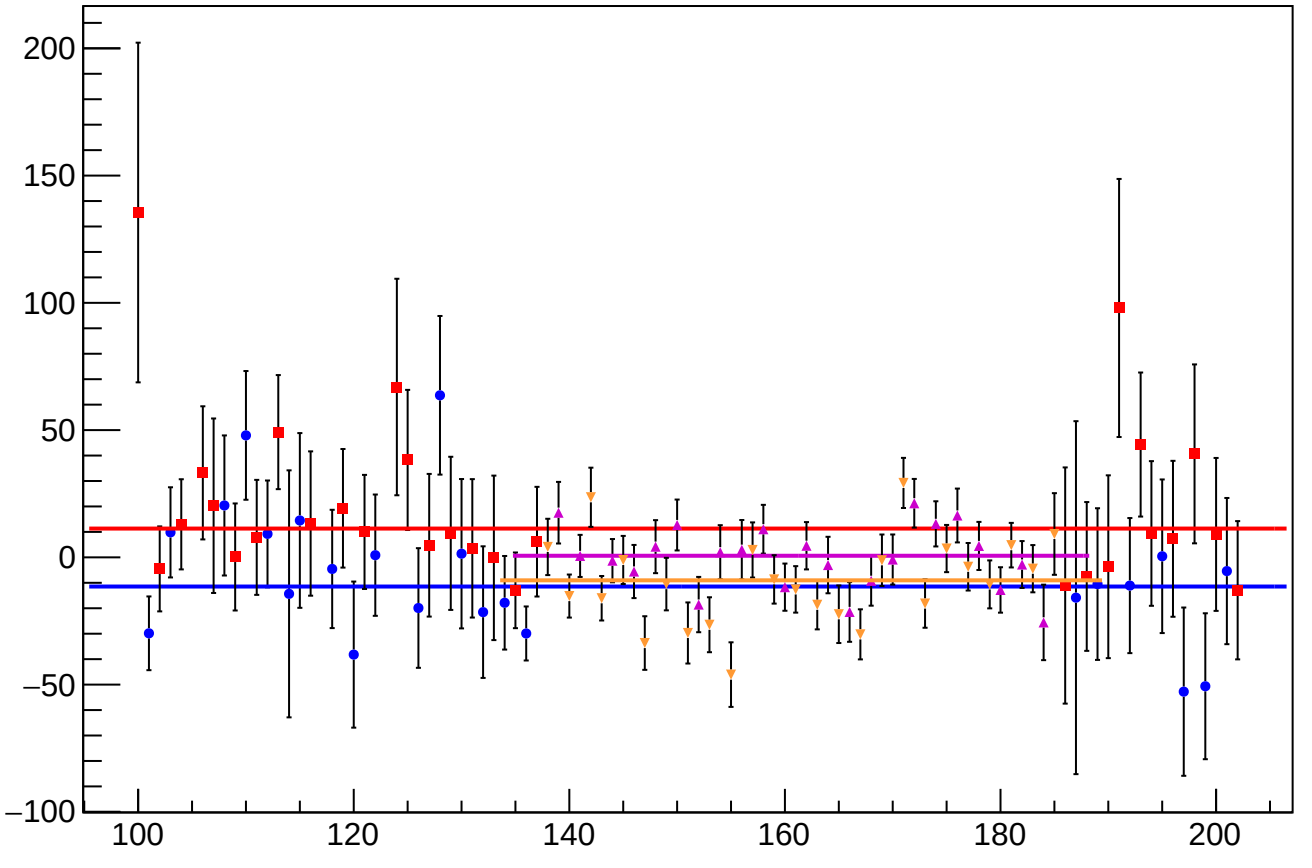
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

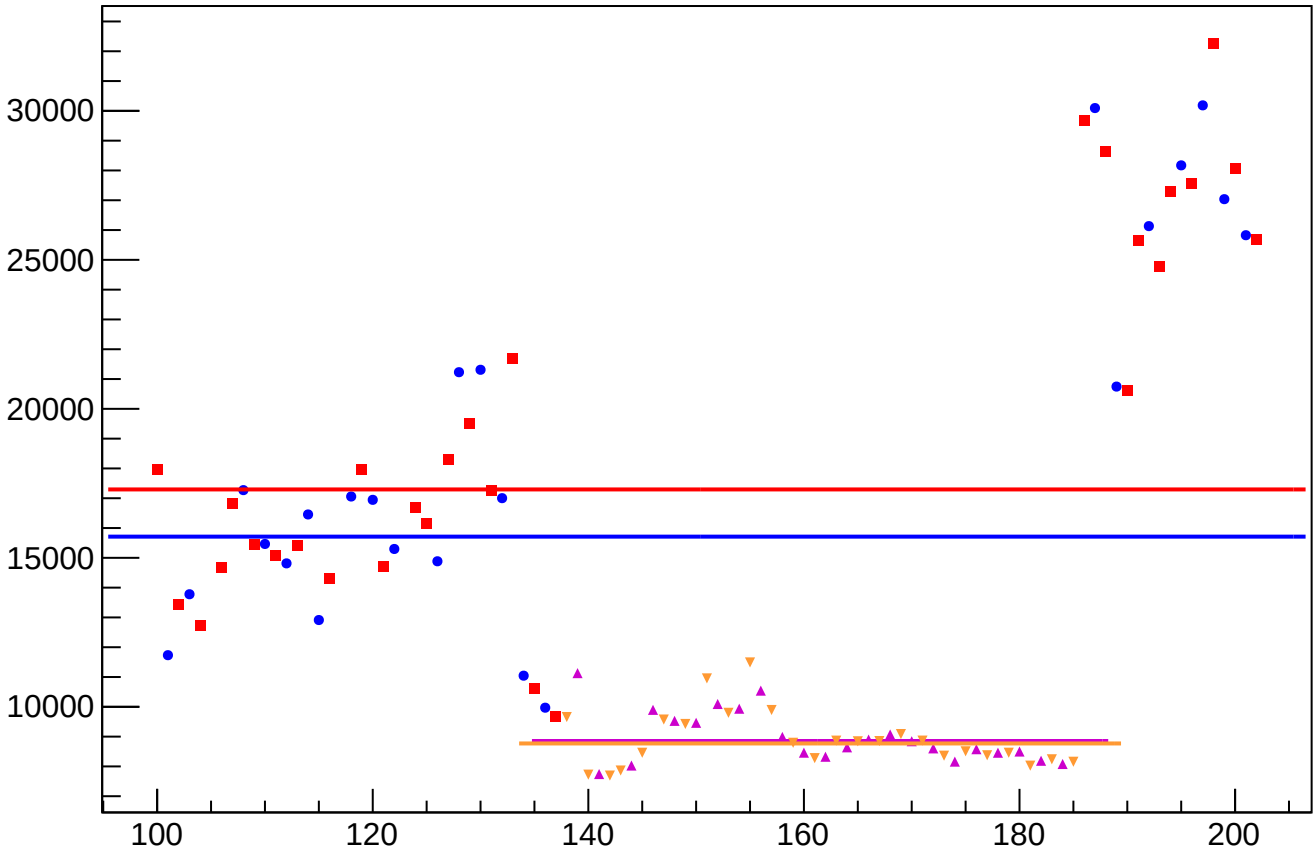
Right: 17.221+/-0.002 χ^2/NDF: 148164.4/49

In: 17.072+/-0.002 χ^2/NDF:176376.4/45

Out: 17.150+/-0.002 χ^2/NDF:175446.2/50

All: 17.112+/-0.002 χ^2/NDF: 352468.0/96


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -11.463+/-4.782 χ²/NDF: 25.7/22
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 11.311+/-4.797 χ²/NDF: 20.7/28
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: -0.112+/-3.386 χ²/NDF: 57.8/51
In: -1.295+/-1.907 χ²/NDF:60.6/45
Out: -5.999+/-1.851 χ²/NDF:98.0/53
All: -3.717+/-1.328 χ²/NDF: 161.8/99



Right In: 15711.343+/-3.381 χ^2/NDF: 2802599.4/22

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17295.207+/-3.392 χ^2/NDF: 3002746.1/28

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

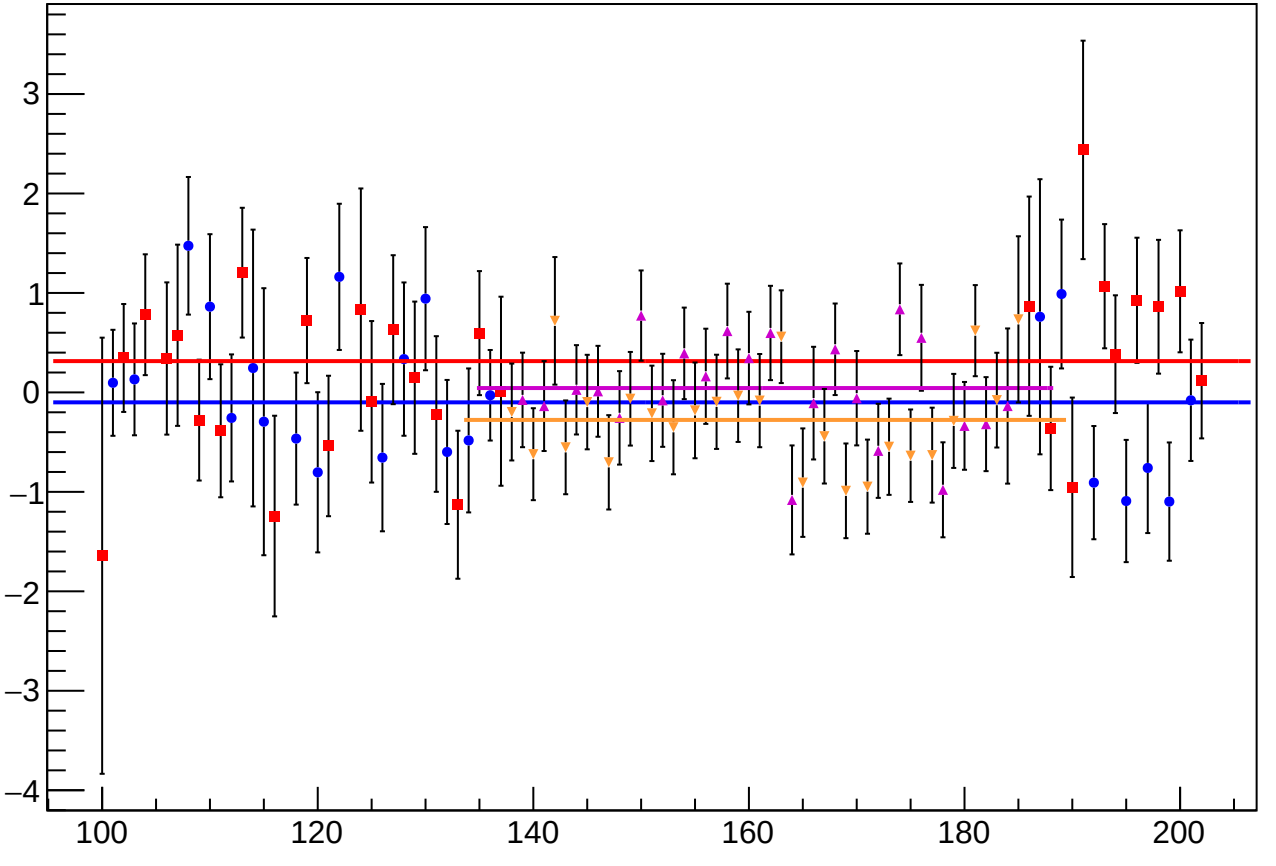
Right: 16500.791+/-2.395 χ^2/NDF: 5914717.8/51

In: 9943.443+/-1.348 χ^2/NDF:6562760.9/45

Out: 10039.807+/-1.309 χ^2/NDF:8724326.9/53

All: 9993.055+/-0.939 χ^2/NDF: 15289717.7/9

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.100+/-0.142 χ^2/NDF: 26.1/22

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.315+/-0.134 χ^2/NDF: 26.5/28

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

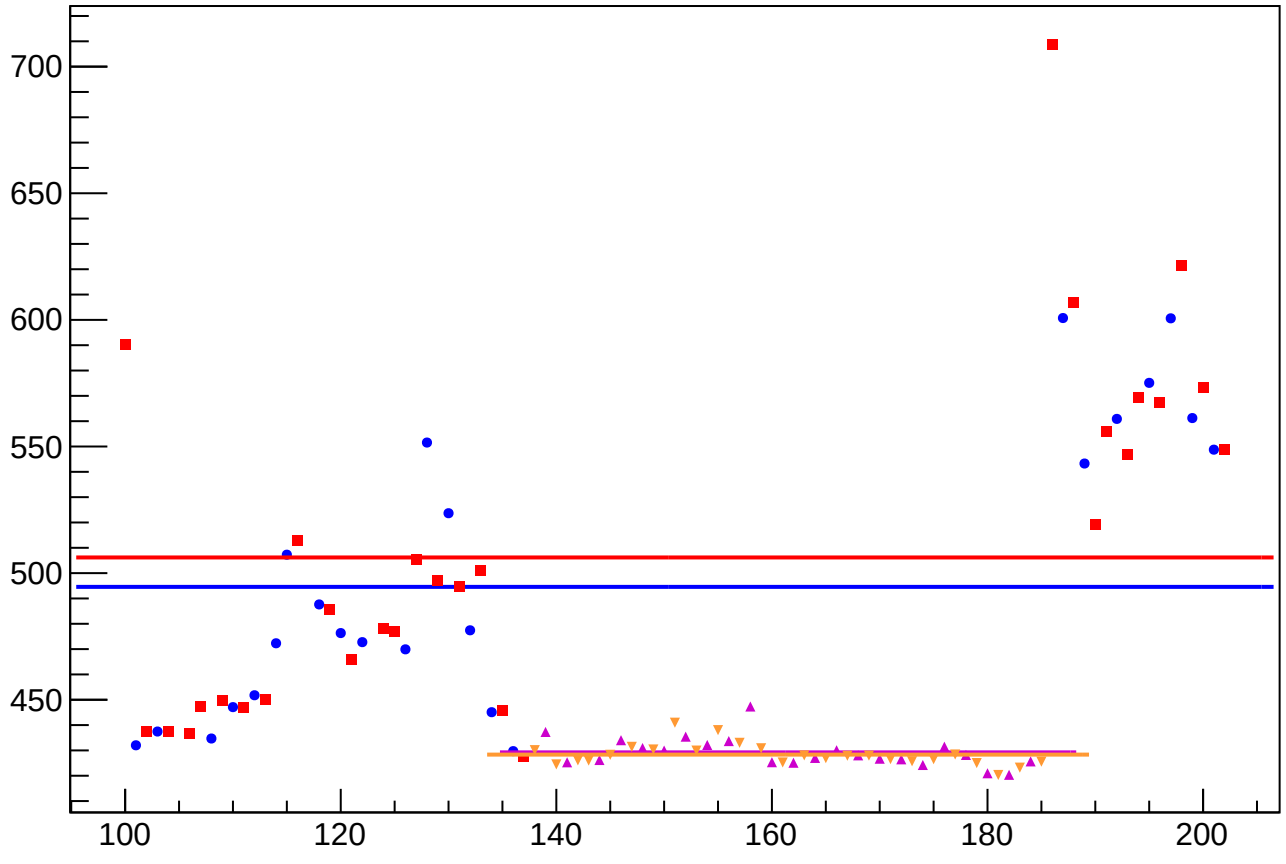
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.120+/-0.097 χ^2/NDF: 57.1/51

In: -0.004+/-0.082 χ^2/NDF:50.6/45

Out: -0.072+/-0.079 χ^2/NDF:60.3/53

All: -0.039+/-0.057 χ^2/NDF: 111.3/99



Right In: 494.575+/-0.100 χ^2/NDF: 326966.6/22

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.190+/-0.094 χ^2/NDF: 447018.5/28

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

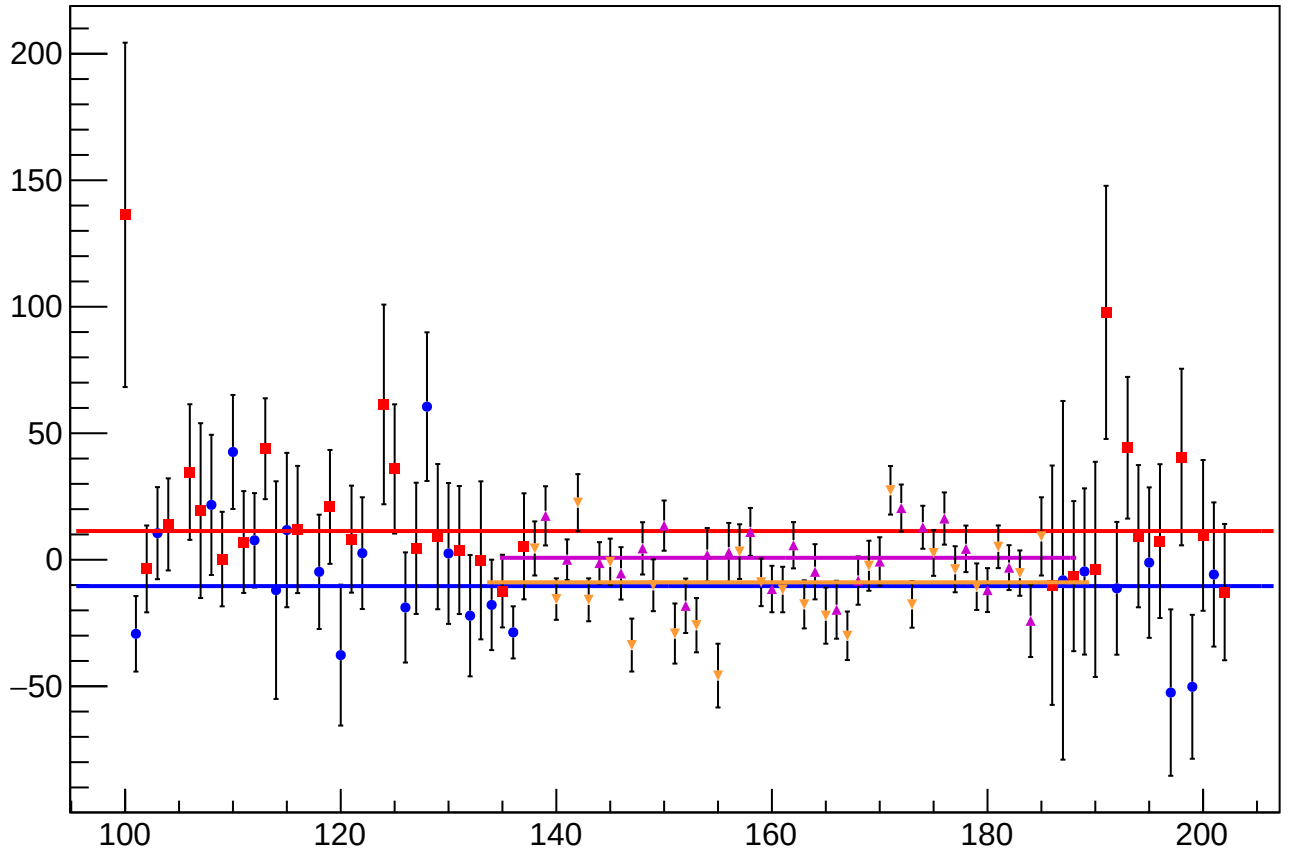
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 500.727+/-0.069 χ^2/NDF: 781104.3/51

In: 451.022+/-0.058 χ^2/NDF:617231.3/45

Out: 455.349+/-0.056 χ^2/NDF:895114.0/53

All: 453.271+/-0.040 χ^2/NDF: 1515252.4/99



Right In: -10.415+/-4.636 χ^2/NDF: 26.1/22

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 11.353+/-4.633 χ^2/NDF: 20.5/28

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

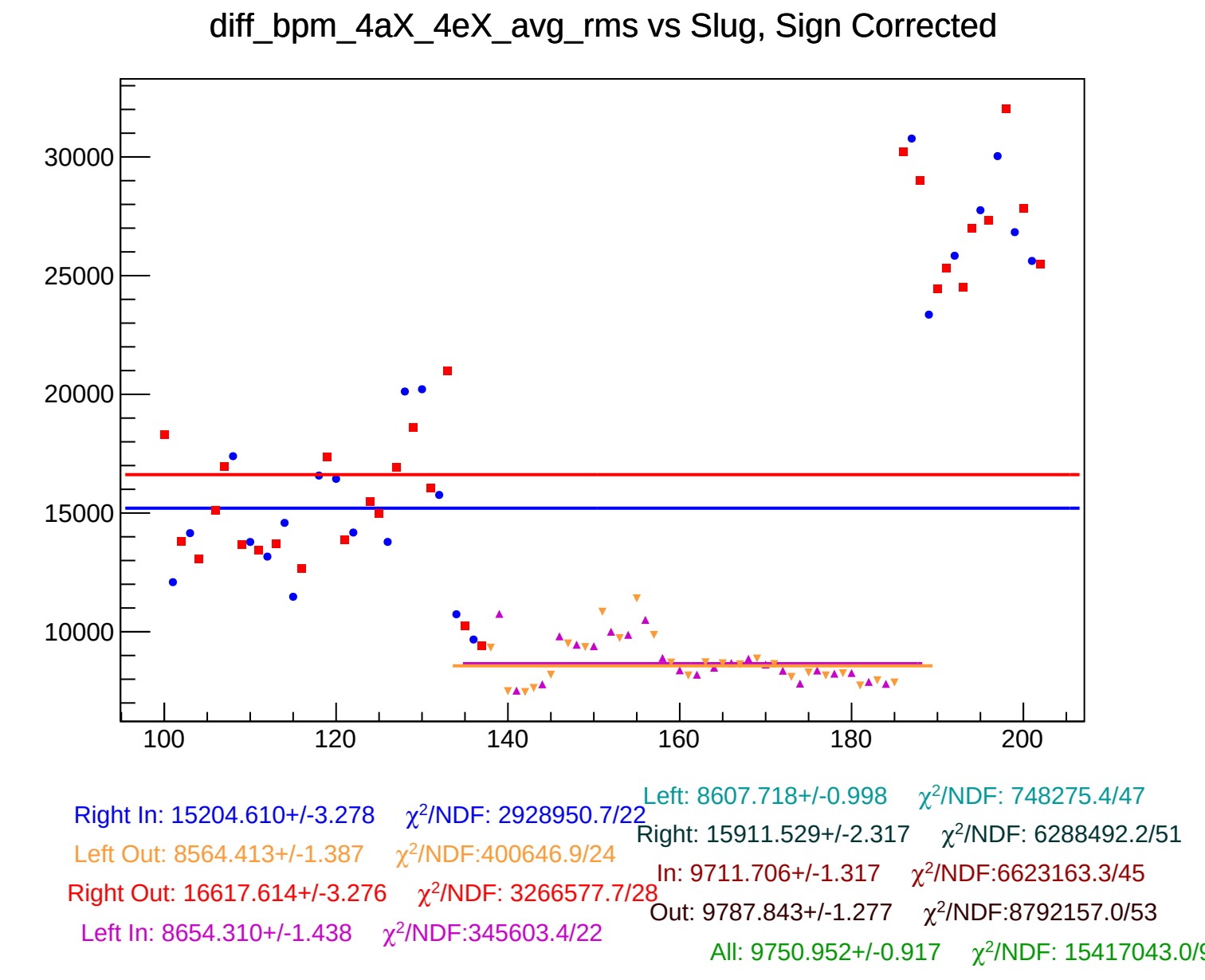
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 0.475+/-3.277 χ^2/NDF: 57.6/51

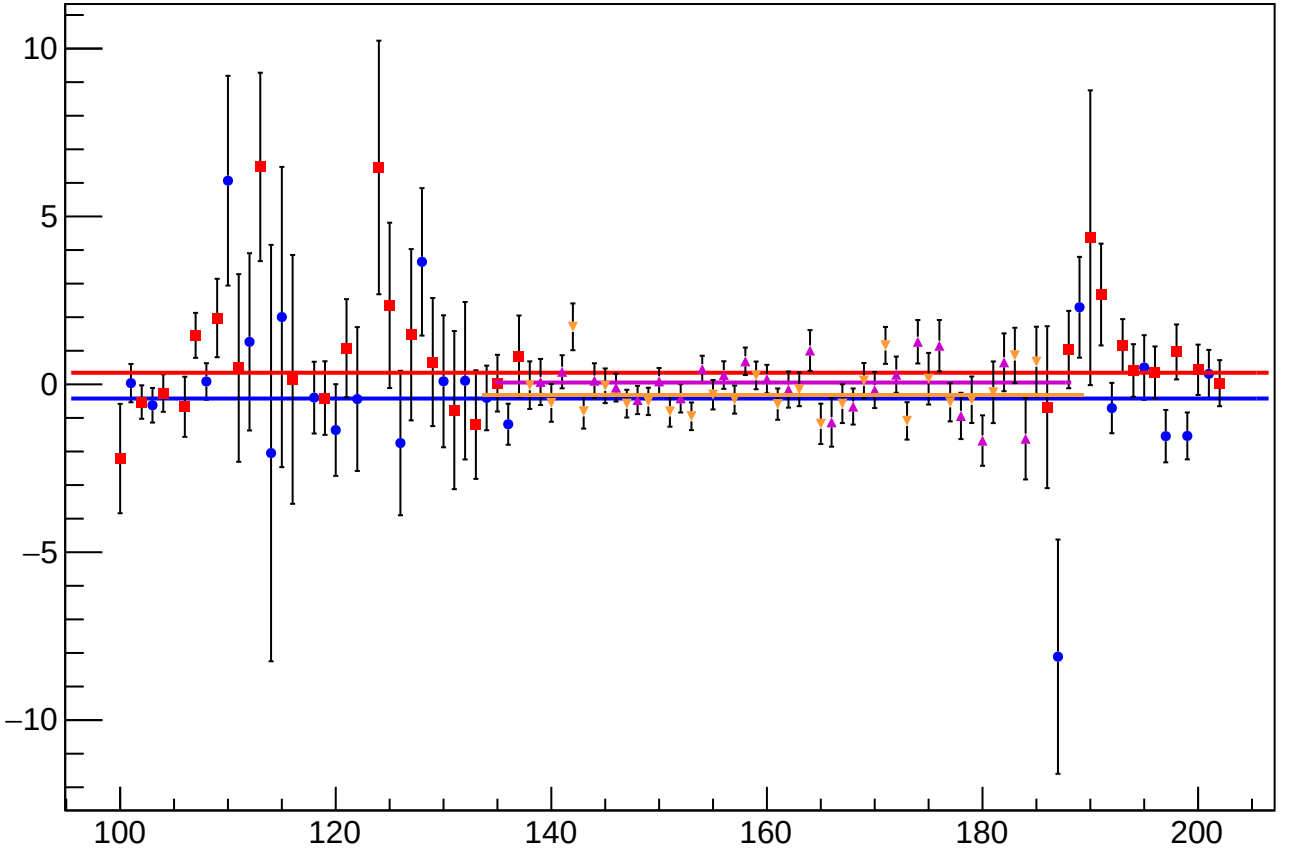
In: -1.033+/-1.863 χ^2/NDF:60.3/45

Out: -5.827+/-1.806 χ^2/NDF:98.2/53

All: -3.504+/-1.296 χ^2/NDF: 162.0/99


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15204.610+/-3.278 χ²/NDF: 2928950.7/22
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 16617.614+/-3.276 χ²/NDF: 3266577.7/28
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 15911.529+/-2.317 χ²/NDF: 6288492.2/51
In: 9711.706+/-1.317 χ²/NDF:6623163.3/45
Out: 9787.843+/-1.277 χ²/NDF:8792157.0/53
All: 9750.952+/-0.917 χ²/NDF: 15417043.0/9

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.422+/-0.197 χ^2/NDF: 27.6/22

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.346+/-0.187 χ^2/NDF: 28.7/28

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

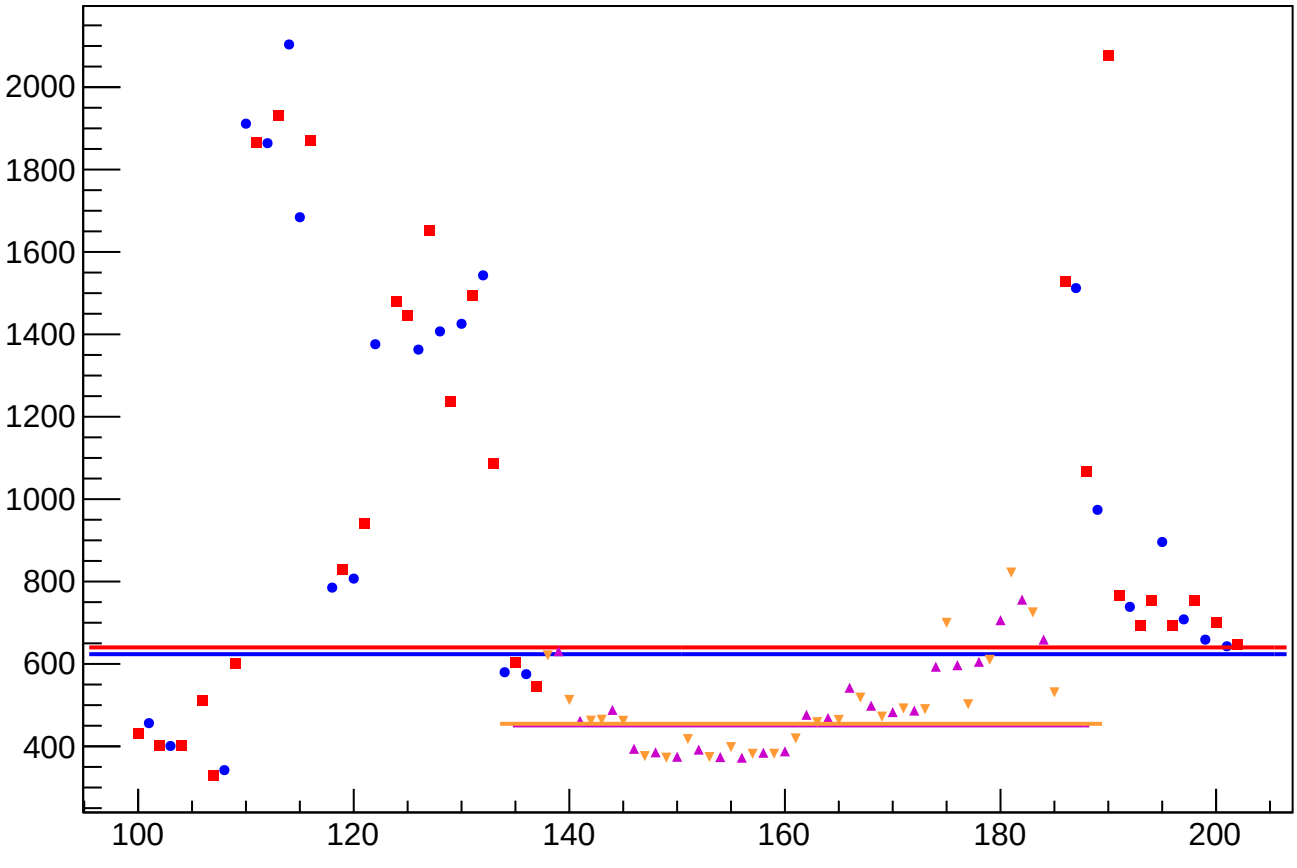
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.019+/-0.136 χ^2/NDF: 64.3/51

In: -0.056+/-0.095 χ^2/NDF:61.9/45

Out: -0.157+/-0.092 χ^2/NDF:70.5/53

All: -0.108+/-0.066 χ^2/NDF: 132.9/99



Right In: 623.672+/-0.139 χ^2/NDF: 4039767.4/22

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 640.098+/-0.133 χ^2/NDF: 4644490.8/28

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

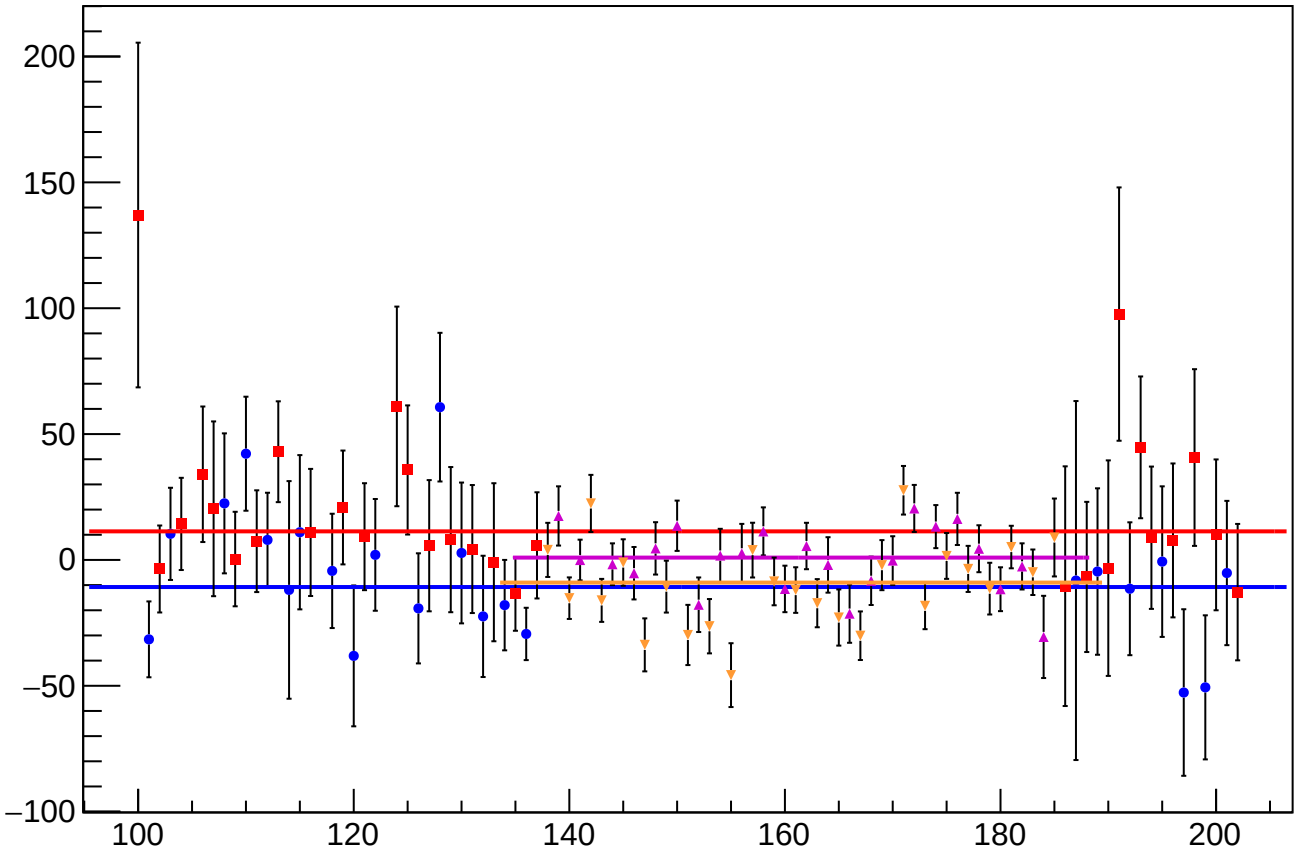
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 632.284+/-0.096 χ^2/NDF: 8691561.5/51

In: 490.855+/-0.067 χ^2/NDF:6696777.6/45

Out: 499.590+/-0.065 χ^2/NDF:7578043.0/53

All: 495.340+/-0.047 χ^2/NDF: 14283542.2/99



Right In: -10.768+/-4.666 χ^2/NDF: 26.6/22

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 11.351+/-4.664 χ^2/NDF: 20.3/28

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

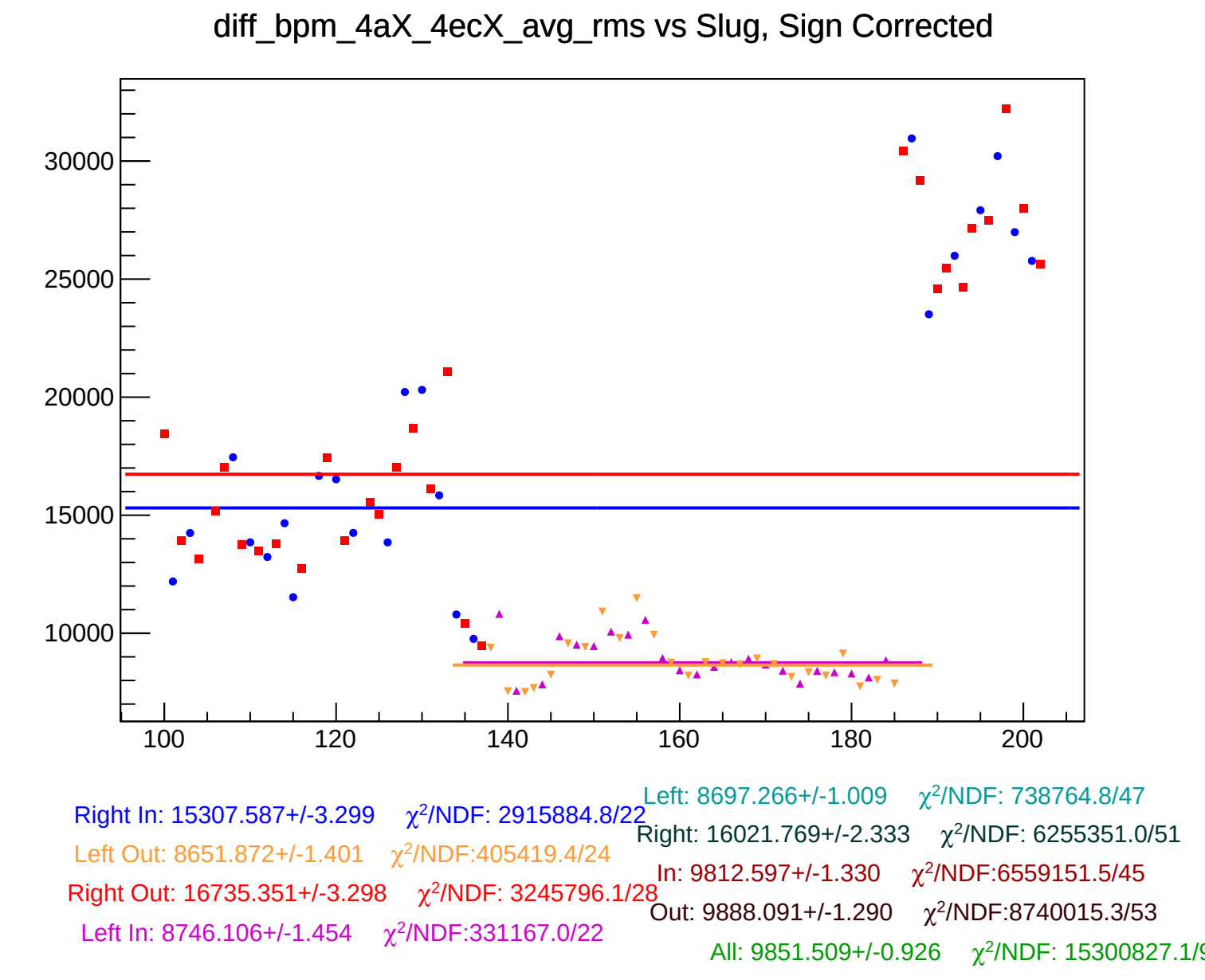
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

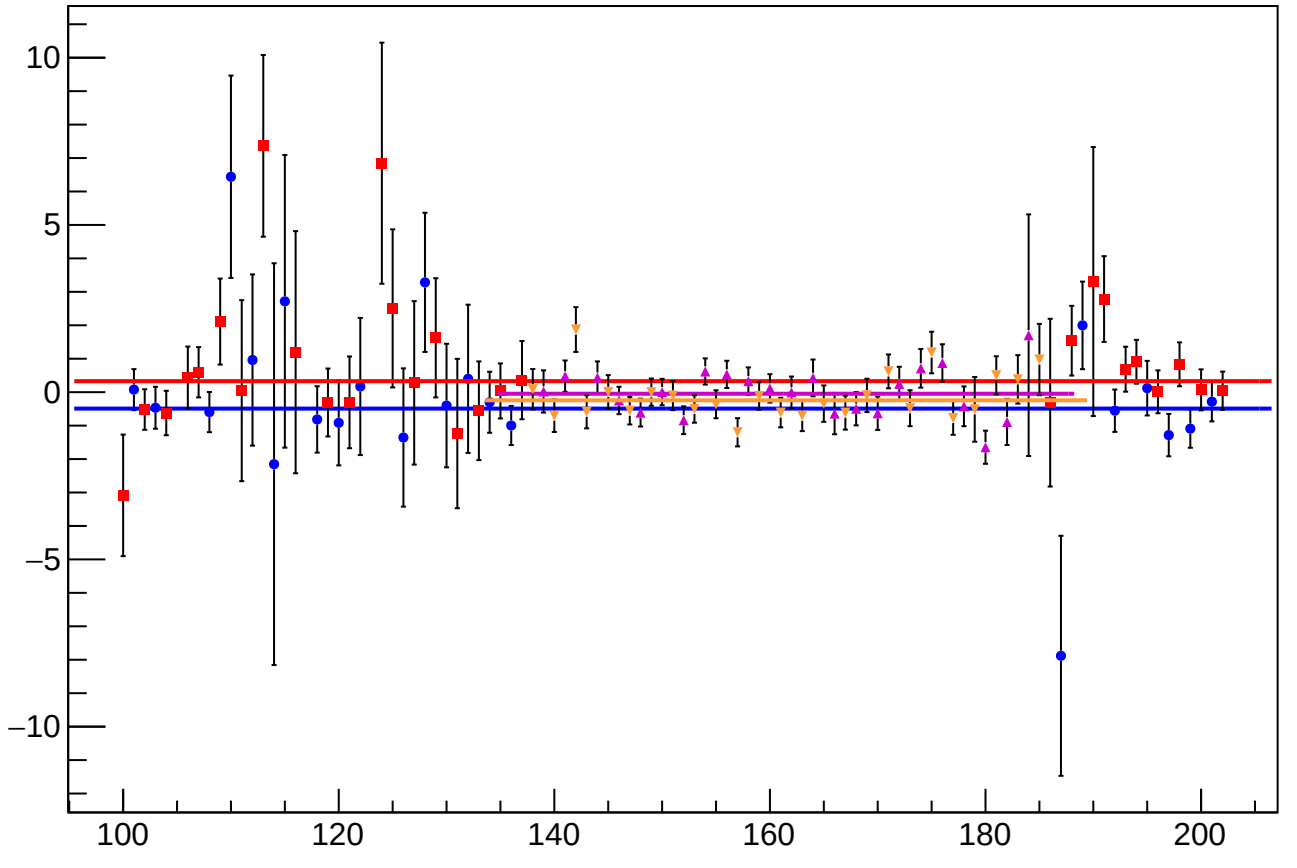
Right: 0.296+/-3.299 χ^2/NDF: 58.1/51

In: -0.975+/-1.881 χ^2/NDF:61.7/45

Out: -5.888+/-1.824 χ^2/NDF:97.7/53

All: -3.508+/-1.309 χ^2/NDF: 162.9/99


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15307.587+/-3.299 χ²/NDF: 2915884.8/22
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 16735.351+/-3.298 χ²/NDF: 3245796.1/28
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 16021.769+/-2.333 χ²/NDF: 6255351.0/51
In: 9812.597+/-1.330 χ²/NDF:6559151.5/45
Out: 9888.091+/-1.290 χ²/NDF:8740015.3/53
All: 9851.509+/-0.926 χ²/NDF: 15300827.1/9



Right In: -0.491+/-0.188 χ^2/NDF: 23.0/22

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.330+/-0.179 χ^2/NDF: 30.6/28

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

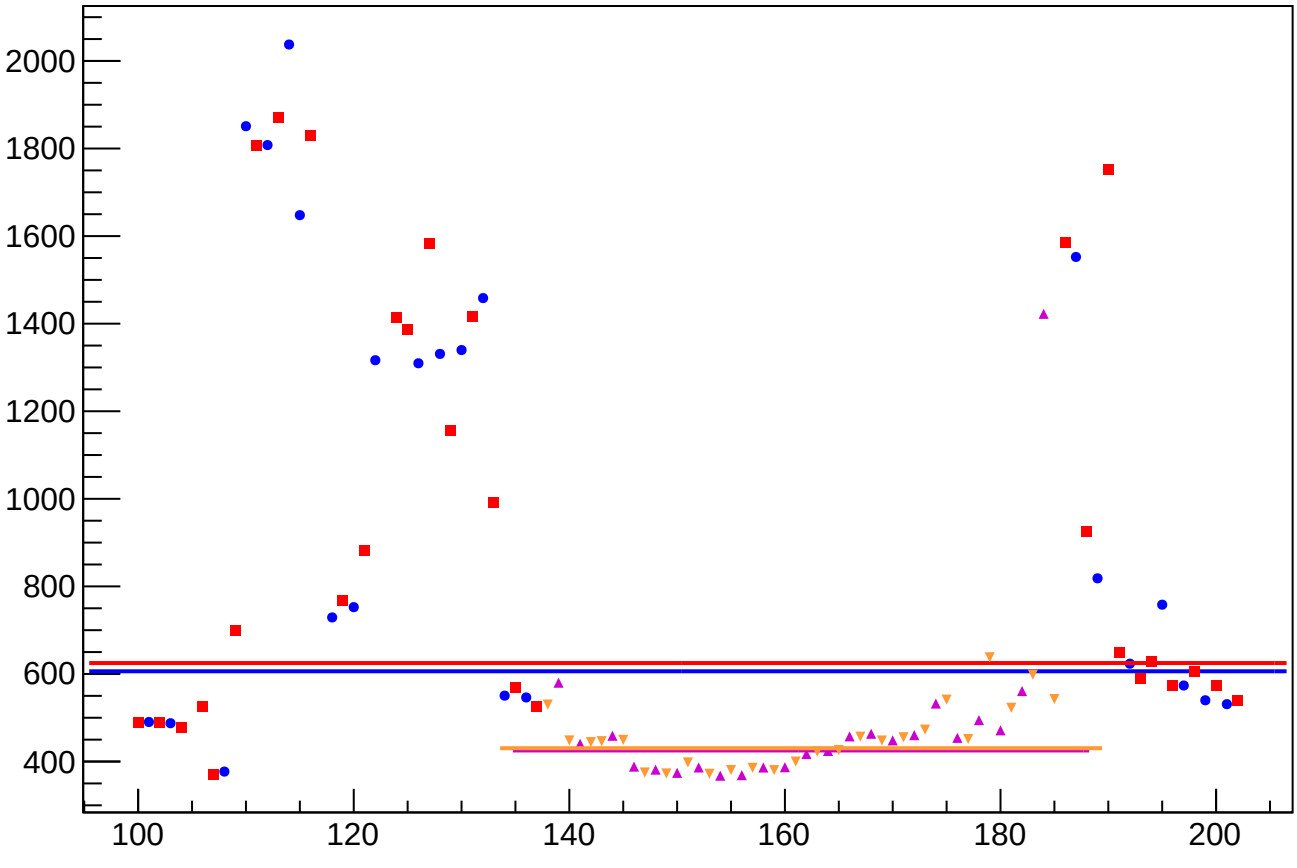
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.062+/-0.130 χ^2/NDF: 63.6/51

In: -0.147+/-0.089 χ^2/NDF:62.4/45

Out: -0.106+/-0.087 χ^2/NDF:72.6/53

All: -0.126+/-0.063 χ^2/NDF: 135.2/99



Right In: 606.124+/-0.133 χ^2/NDF: 3179904.3/22

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 624.959+/-0.127 χ^2/NDF: 3488380.6/28

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

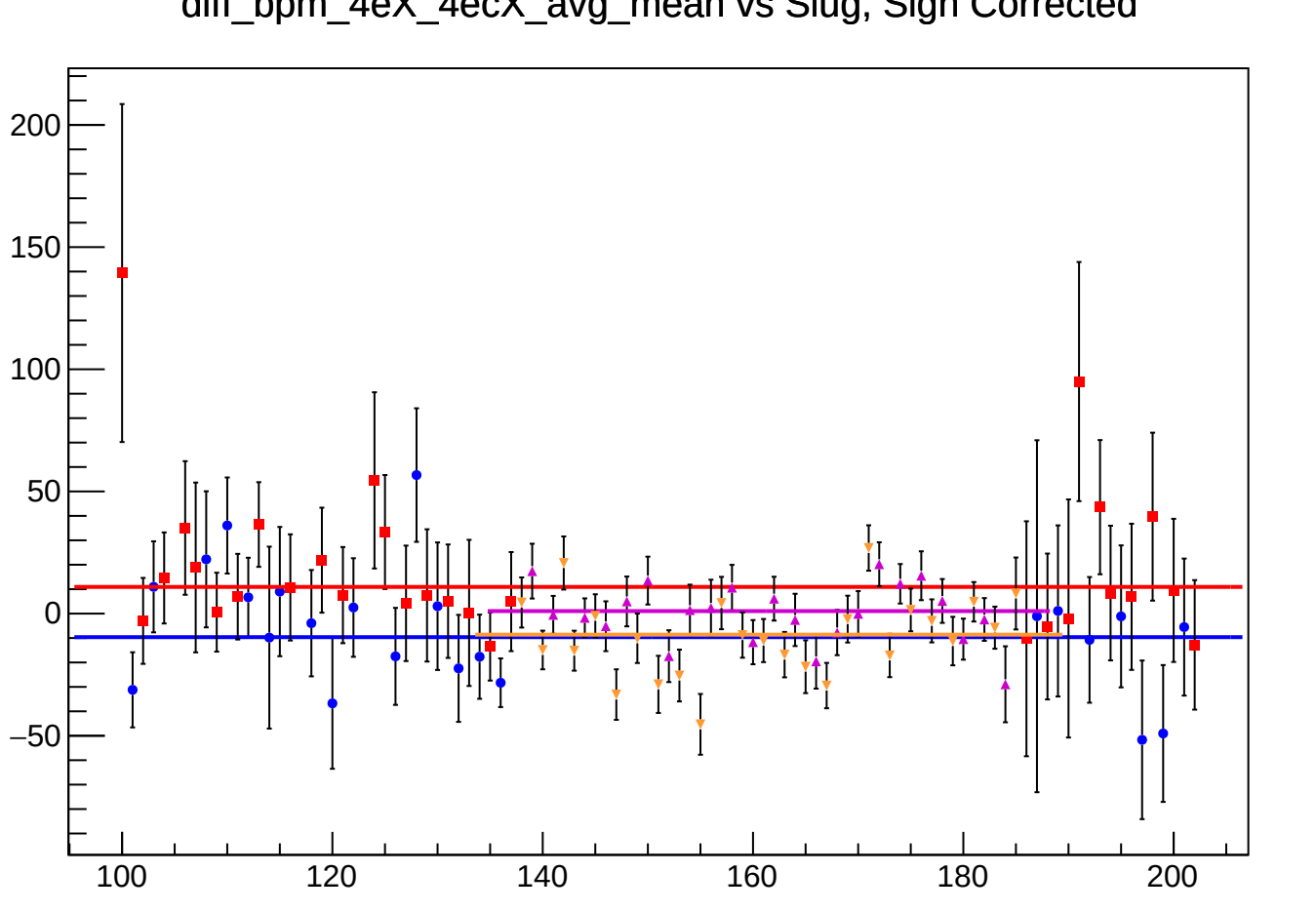
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

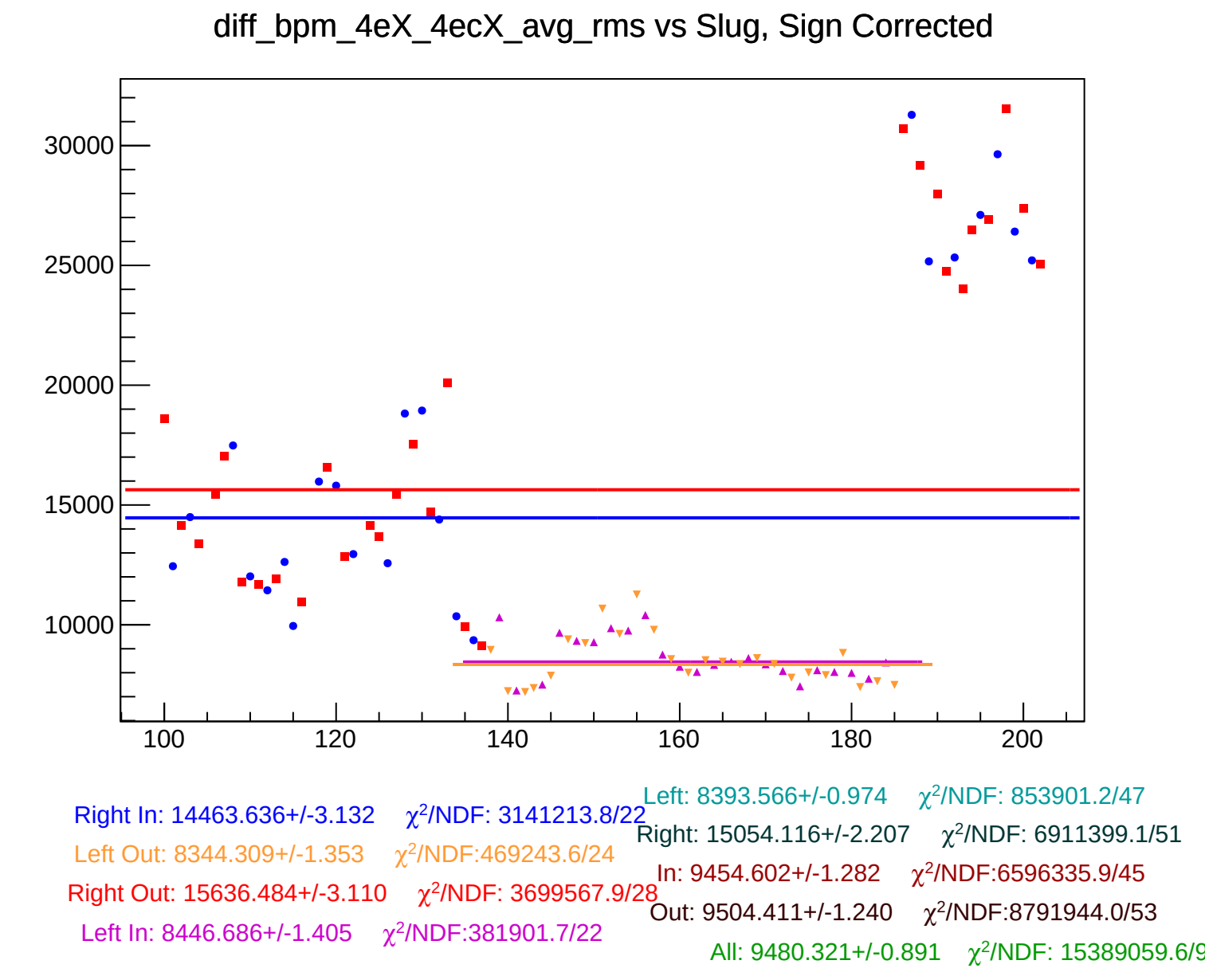
Right: 615.968+/-0.092 χ^2/NDF: 6678806.8/51

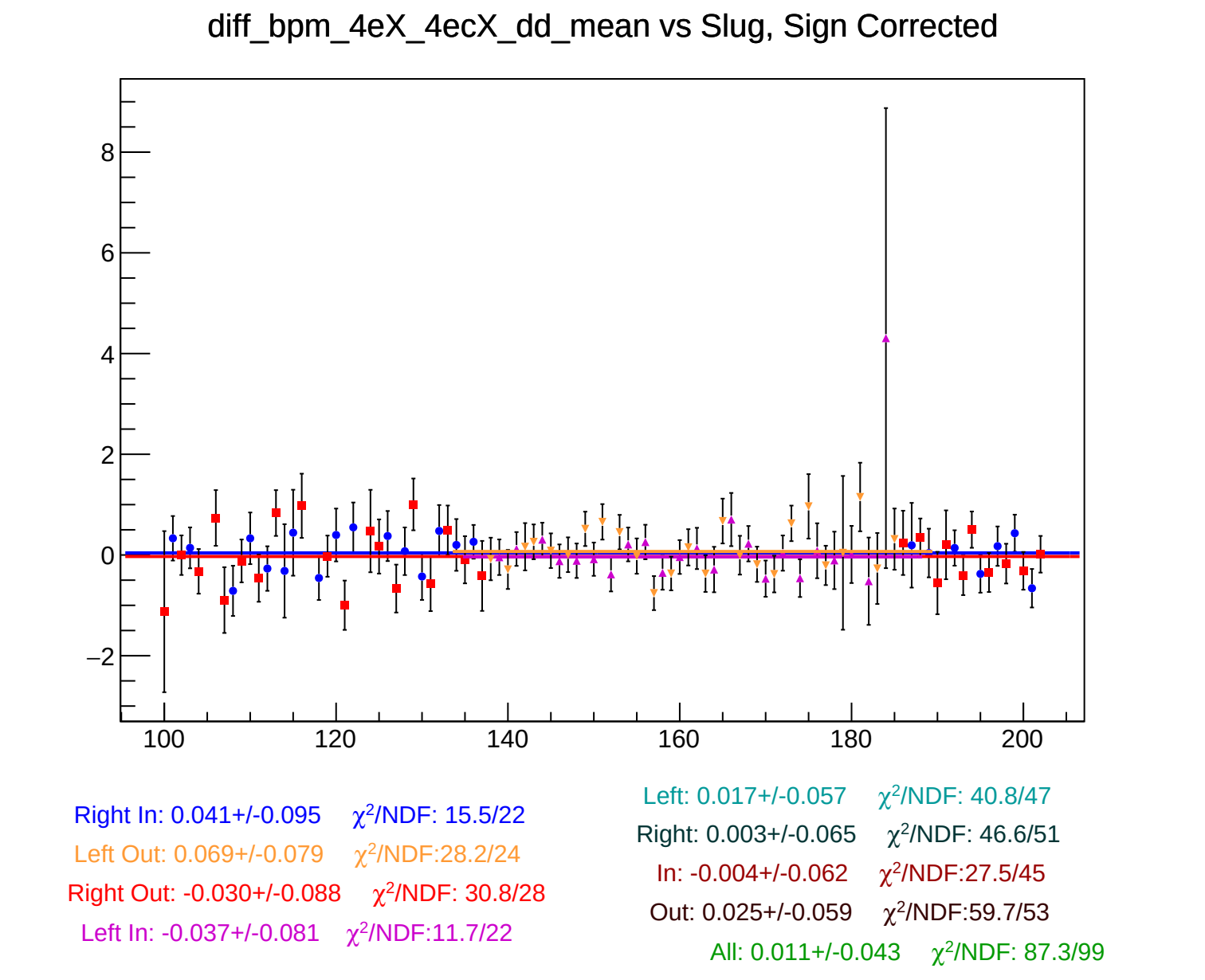
In: 466.263+/-0.063 χ^2/NDF:5331922.0/45

Out: 476.692+/-0.062 χ^2/NDF:5928487.0/53

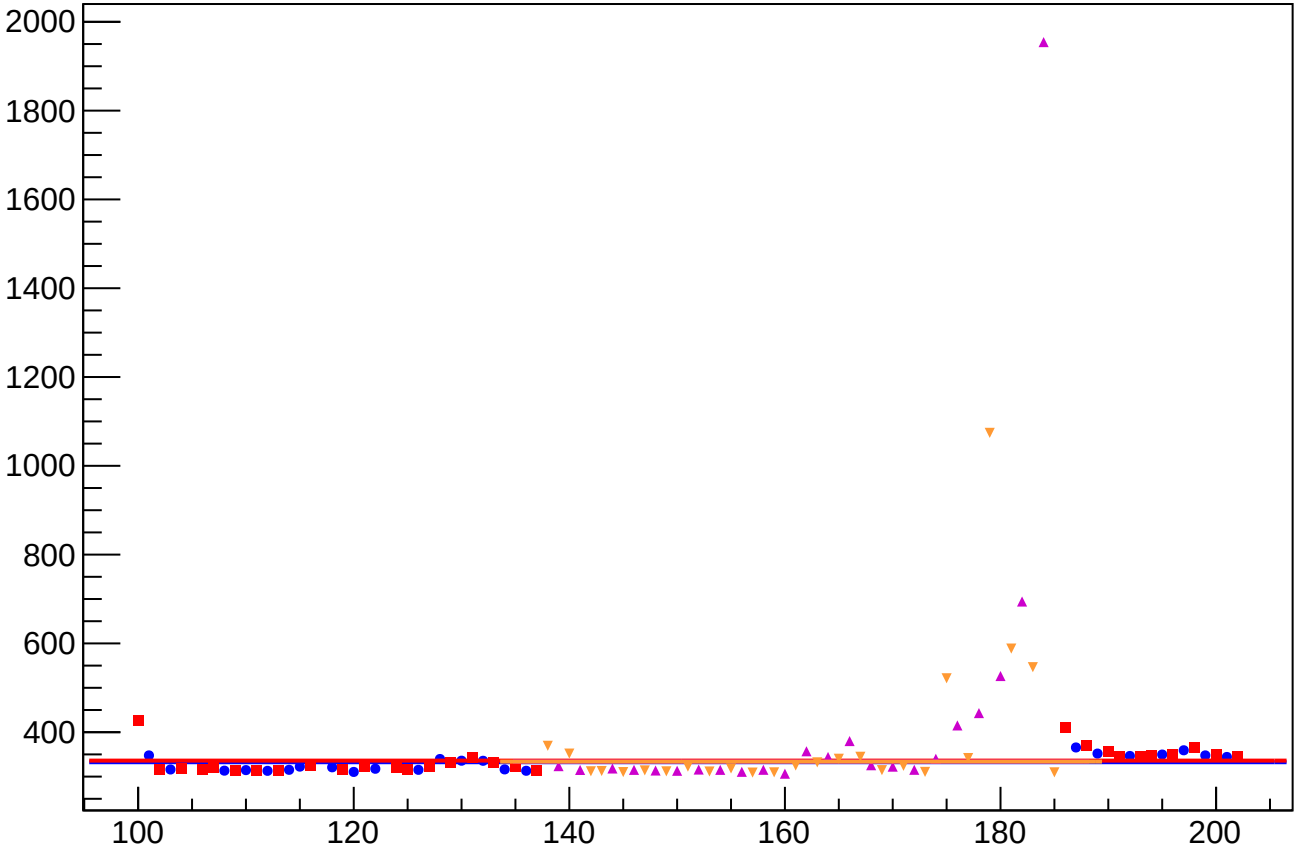
All: 471.587+/-0.044 χ^2/NDF: 11274319.8/99


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -9.642+/-4.429 χ²/NDF: 27.1/22
Left Out: -8.623+/-1.913 χ²/NDF:61.6/24
Right Out: 10.921+/-4.398 χ²/NDF: 20.2/28
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 0.711+/-3.121 χ²/NDF: 58.1/51
In: -0.760+/-1.813 χ²/NDF:61.7/45
Out: -5.513+/-1.754 χ²/NDF:98.4/53
All: -3.215+/-1.261 χ²/NDF: 163.6/99


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14463.636+/-3.132 χ²/NDF: 3141213.8/22
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 15636.484+/-3.110 χ²/NDF: 3699567.9/28
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 15054.116+/-2.207 χ²/NDF: 6911399.1/51
In: 9454.602+/-1.282 χ²/NDF:6596335.9/45
Out: 9504.411+/-1.240 χ²/NDF:8791944.0/53
All: 9480.321+/-0.891 χ²/NDF: 15389059.6/9


diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.041+/-0.095 χ²/NDF: 15.5/22
Left Out: 0.069+/-0.079 χ²/NDF:28.2/24
Right Out: -0.030+/-0.088 χ²/NDF: 30.8/28
Left In: -0.037+/-0.081 χ²/NDF:11.7/22
Left: 0.017+/-0.057 χ²/NDF: 40.8/47
Right: 0.003+/-0.065 χ²/NDF: 46.6/51
In: -0.004+/-0.062 χ²/NDF:27.5/45
Out: 0.025+/-0.059 χ²/NDF:59.7/53
All: 0.011+/-0.043 χ²/NDF: 87.3/99

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 332.385+/-0.067 χ^2/NDF: 62673.2/22

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 336.015+/-0.062 χ^2/NDF: 115240.1/28

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

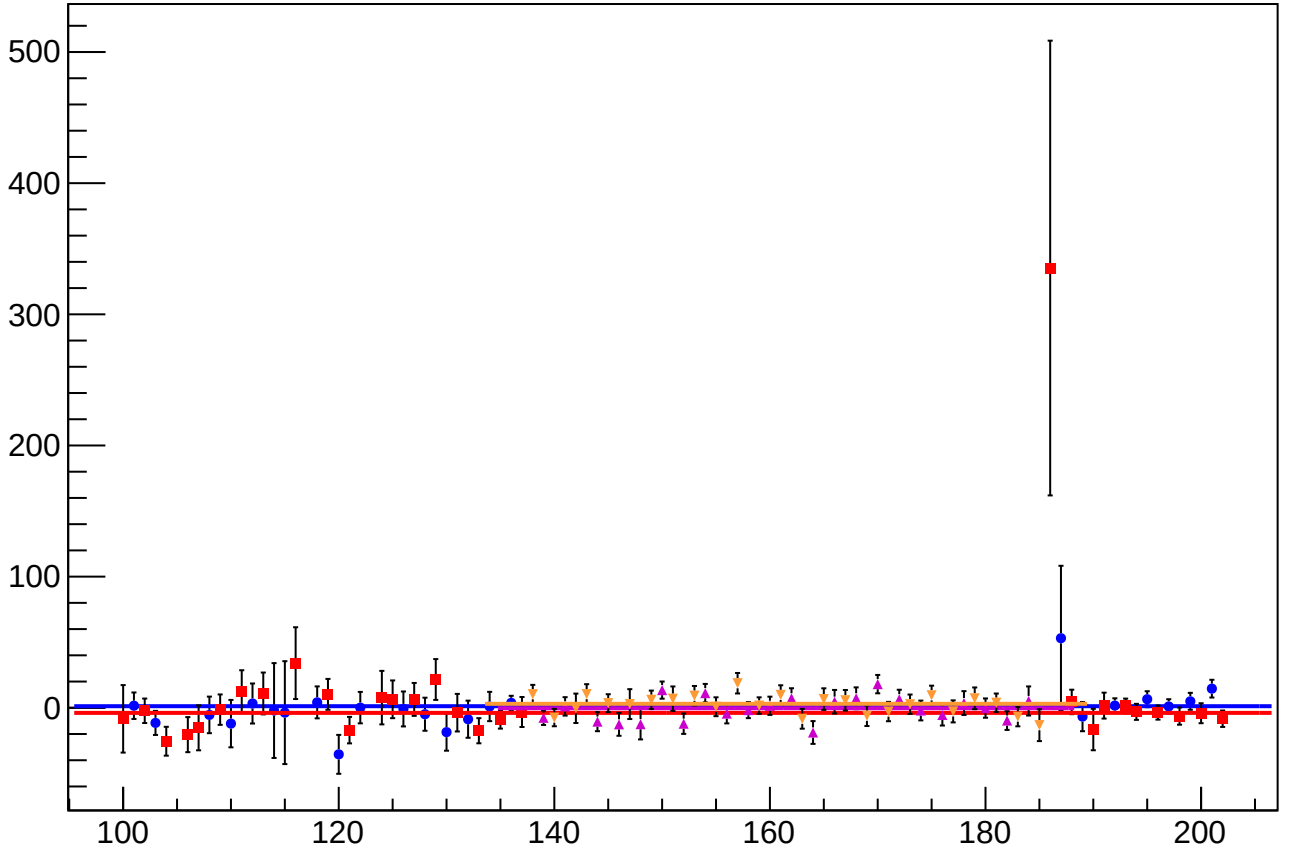
Right: 334.334+/-0.046 χ^2/NDF: 179483.0/51

In: 333.308+/-0.044 χ^2/NDF:1113984.0/45

Out: 334.778+/-0.042 χ^2/NDF:1333207.3/53

All: 334.076+/-0.030 χ^2/NDF: 2447786.3/99

diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected



Right In: 1.206+/-1.944 χ^2/NDF: 18.3/22

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.890+/-1.796 χ^2/NDF: 26.7/28

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

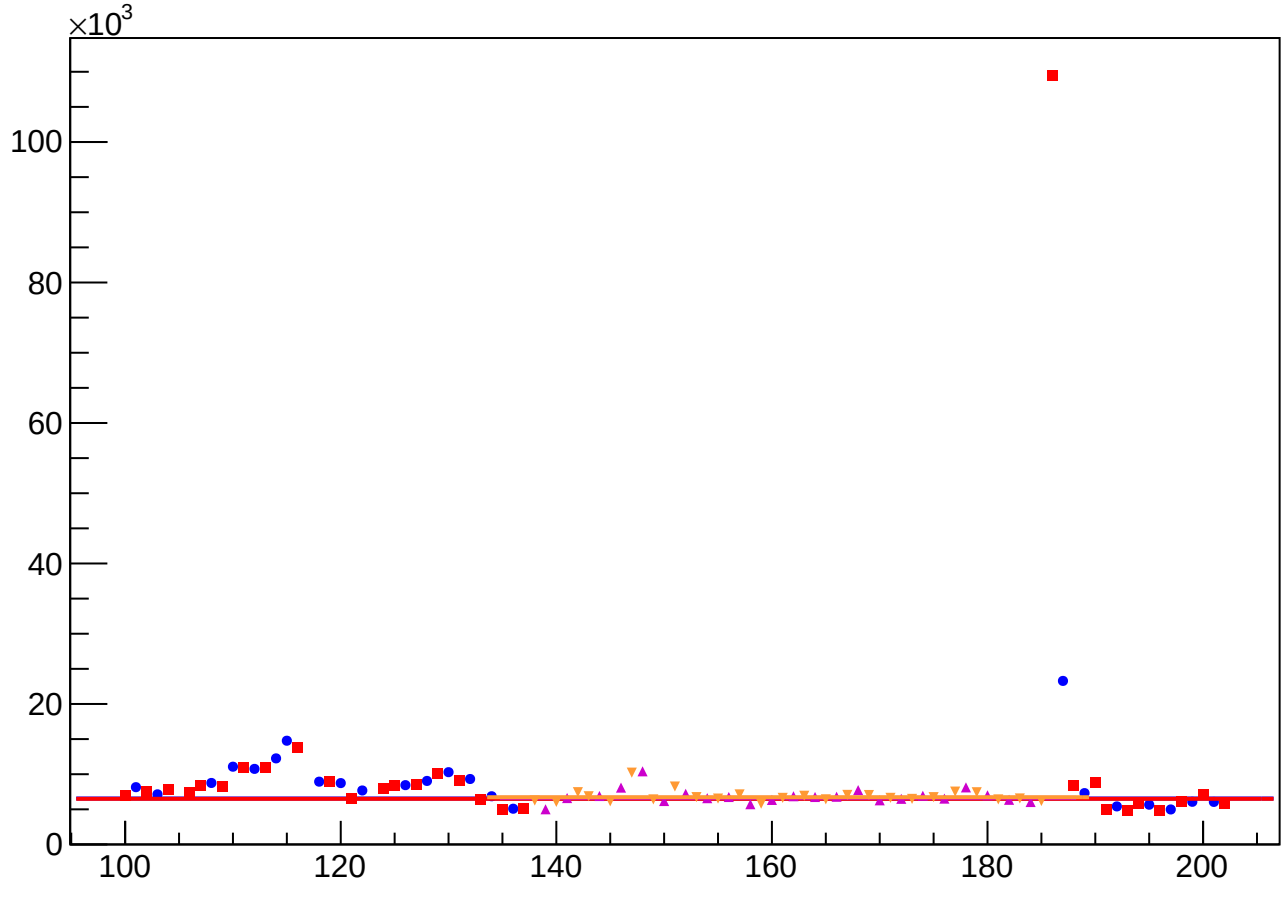
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.544+/-1.319 χ^2/NDF: 48.7/51

In: 0.262+/-1.221 χ^2/NDF:52.4/45

Out: 0.090+/-1.170 χ^2/NDF:55.6/53

All: 0.172+/-0.845 χ^2/NDF: 108.0/99



Right In: 6541.928+/-1.375 χ^2/NDF: 1647252.5/22

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6497.549+/-1.270 χ^2/NDF: 2361301.5/28

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

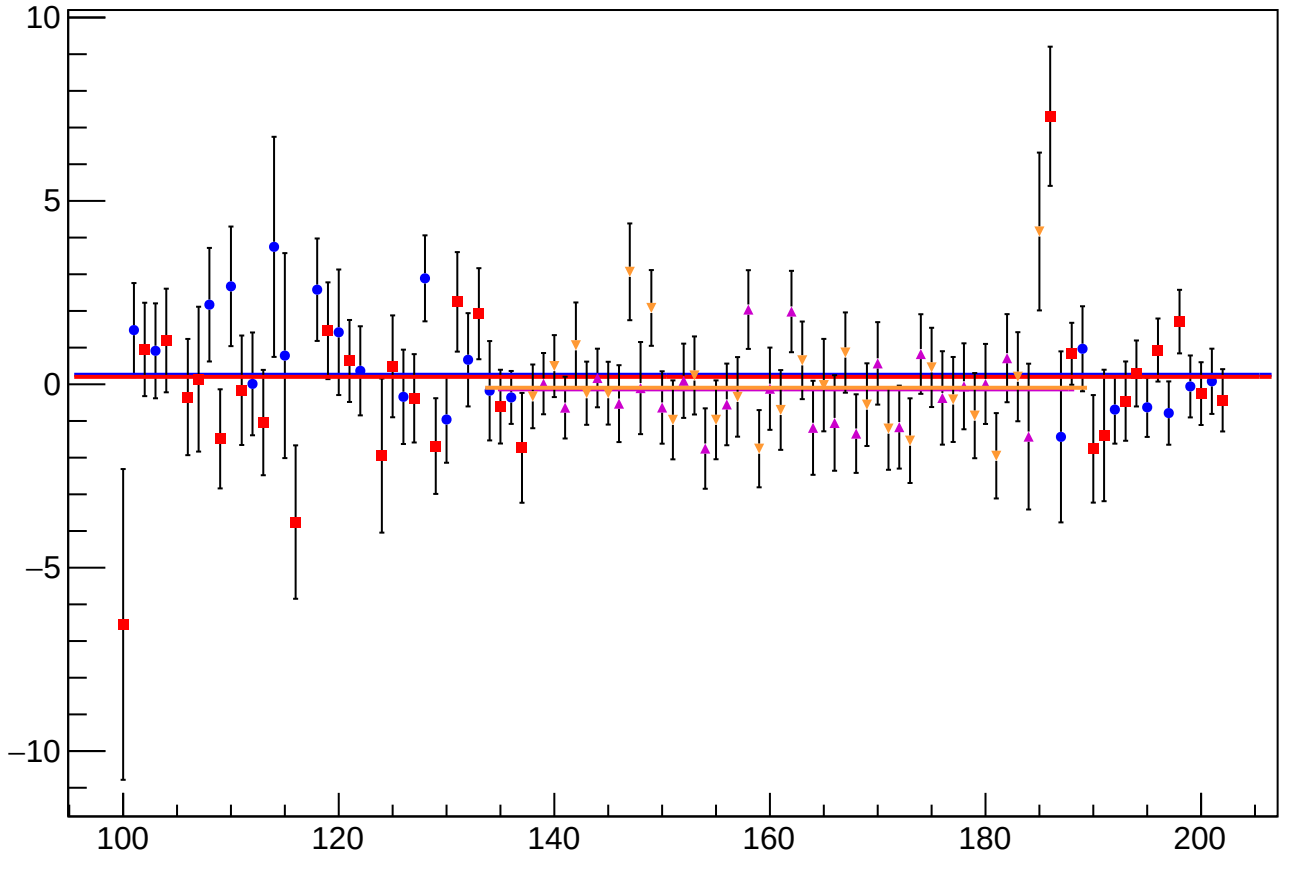
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6517.978+/-0.933 χ^2/NDF: 4009116.3/51

In: 6596.933+/-0.863 χ^2/NDF:2279385.7/45

Out: 6627.326+/-0.827 χ^2/NDF:2782766.2/53

All: 6612.778+/-0.597 χ^2/NDF: 5062798.3/99



Right In: 0.260+/-0.242 χ^2/NDF: 21.6/22

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.203+/-0.226 χ^2/NDF: 42.6/28

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

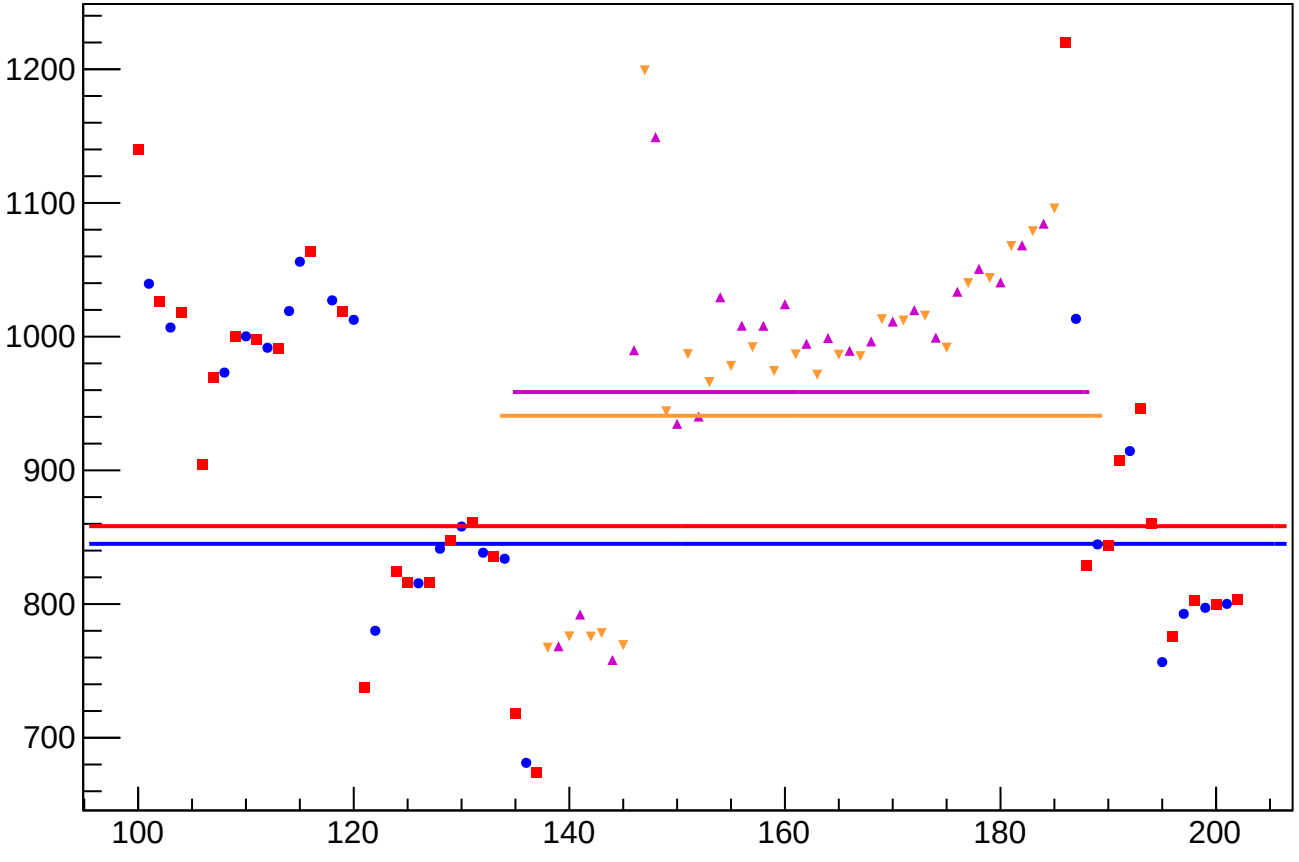
Right: 0.230+/-0.165 χ^2/NDF: 64.2/51

In: 0.047+/-0.165 χ^2/NDF:39.5/45

Out: 0.047+/-0.156 χ^2/NDF:70.8/53

All: 0.047+/-0.113 χ^2/NDF: 110.3/99

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 845.039+/-0.171 χ^2/NDF: 377016.7/22

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 858.248+/-0.160 χ^2/NDF: 414901.7/28

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

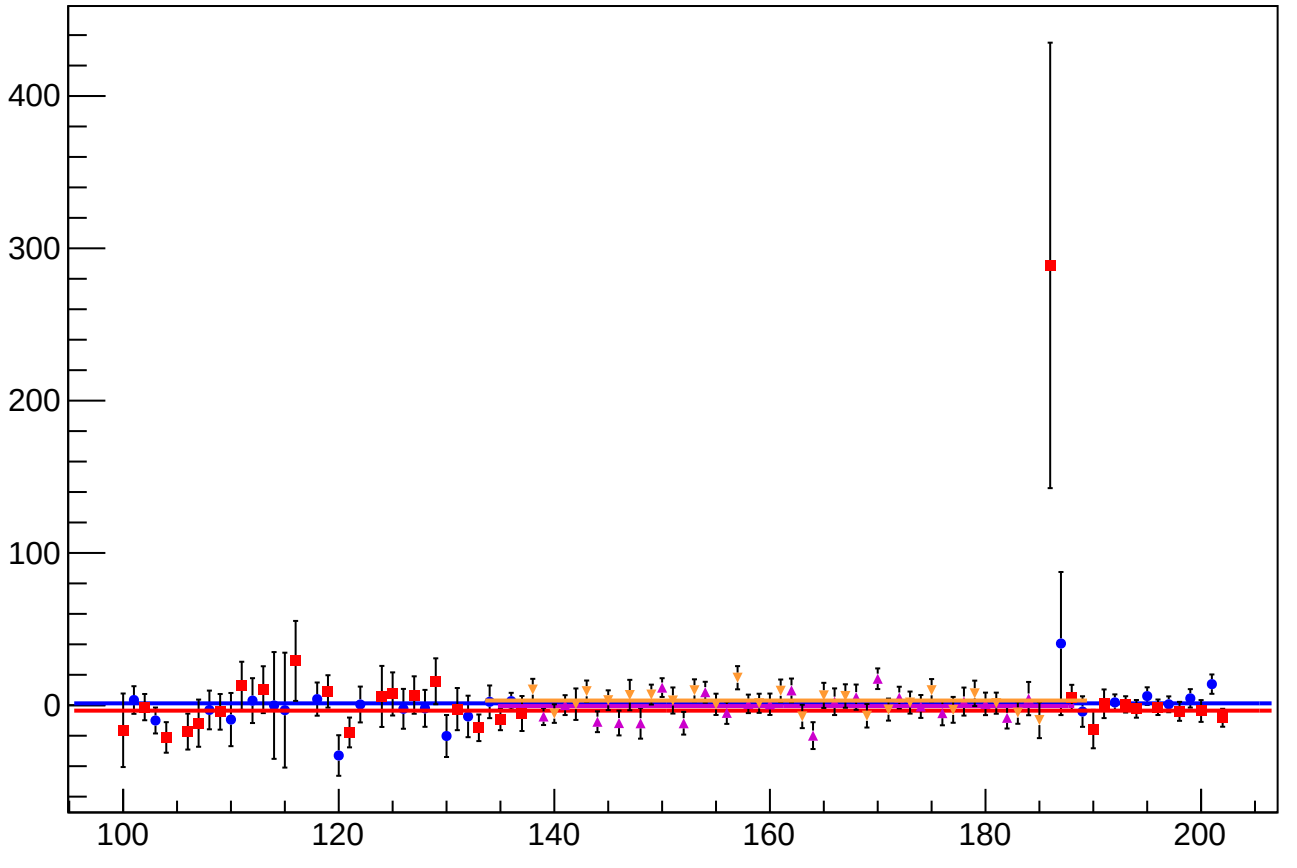
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 852.095+/-0.117 χ^2/NDF: 795096.1/51

In: 905.901+/-0.117 χ^2/NDF:1069411.1/45

Out: 901.565+/-0.110 χ^2/NDF:1123556.5/53

All: 903.611+/-0.080 χ^2/NDF: 2193696.8/99



Right In: 1.254+/-1.846 χ^2/NDF: 18.0/22

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.536+/-1.697 χ^2/NDF: 25.2/28

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

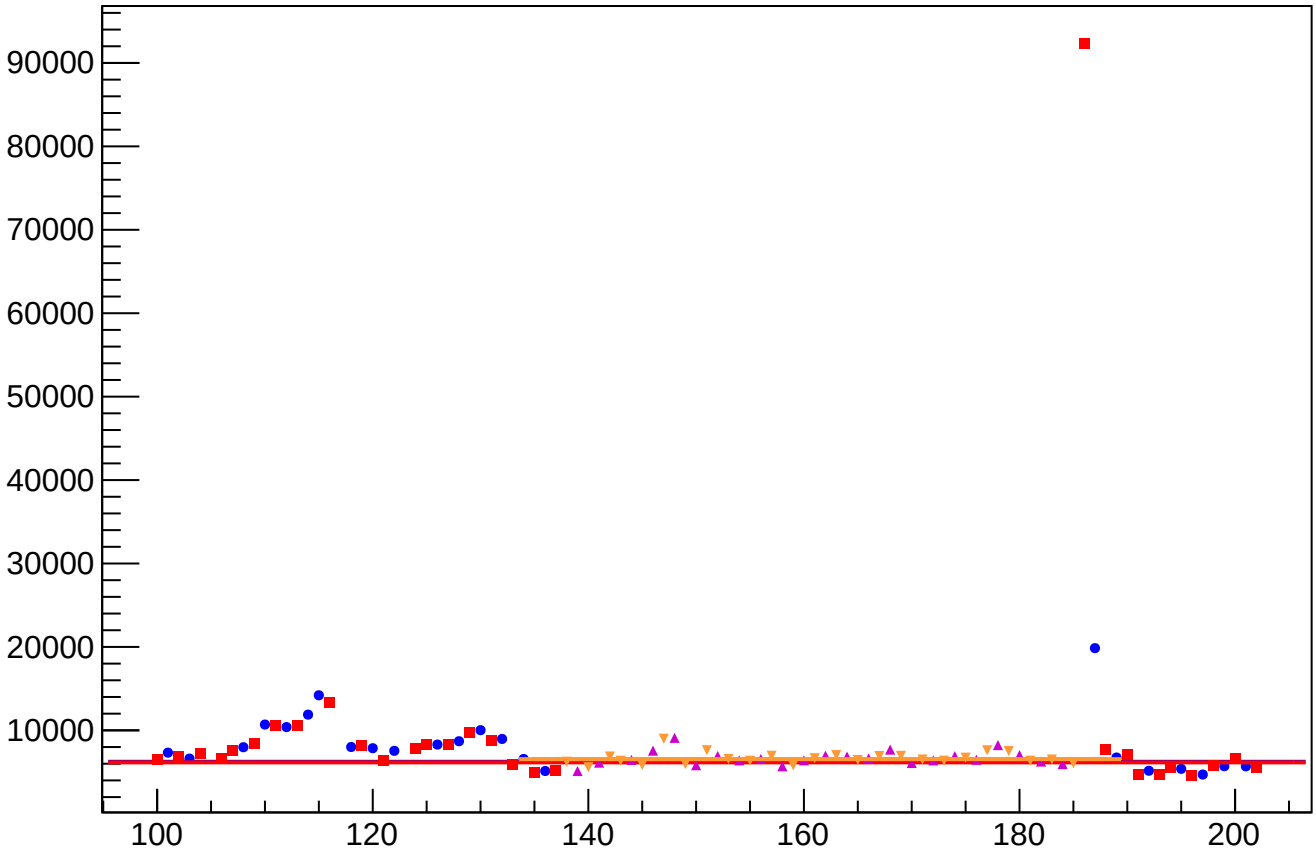
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.341+/-1.249 χ^2/NDF: 46.9/51

In: 0.206+/-1.180 χ^2/NDF:50.5/45

Out: 0.189+/-1.124 χ^2/NDF:52.4/53

All: 0.197+/-0.814 χ^2/NDF: 103.0/99



Right In: 6229.465+/-1.305 χ^2/NDF: 1560171.0/22

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6162.693+/-1.200 χ^2/NDF: 2292909.0/28

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

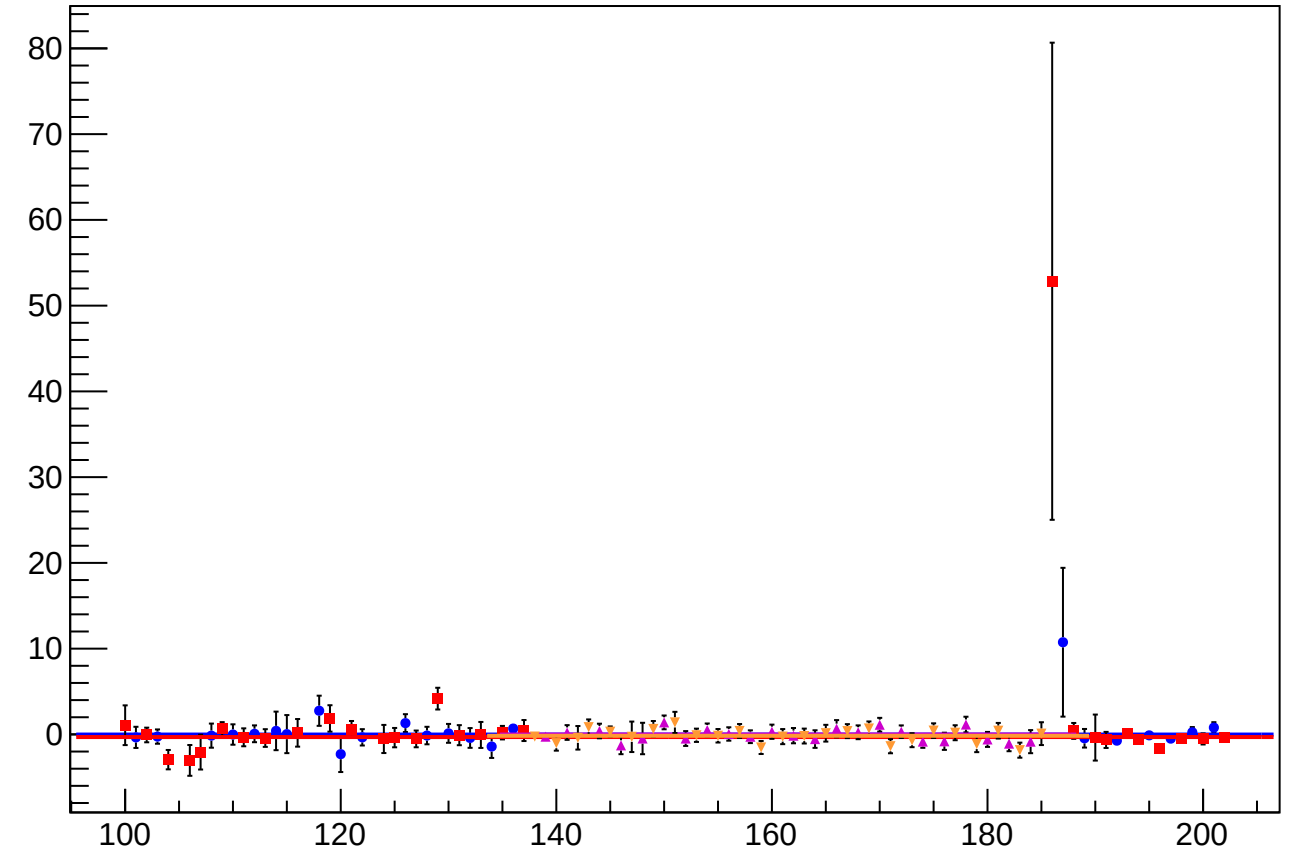
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6193.285+/-0.883 χ^2/NDF: 3854498.5/51

In: 6392.382+/-0.834 χ^2/NDF:2102030.6/45

Out: 6379.486+/-0.795 χ^2/NDF:2717121.6/53

All: 6385.620+/-0.576 χ^2/NDF: 4819277.5/99



Right In: -0.018+/-0.184 χ^2/NDF: 14.4/22

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.311+/-0.170 χ^2/NDF: 37.9/28

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

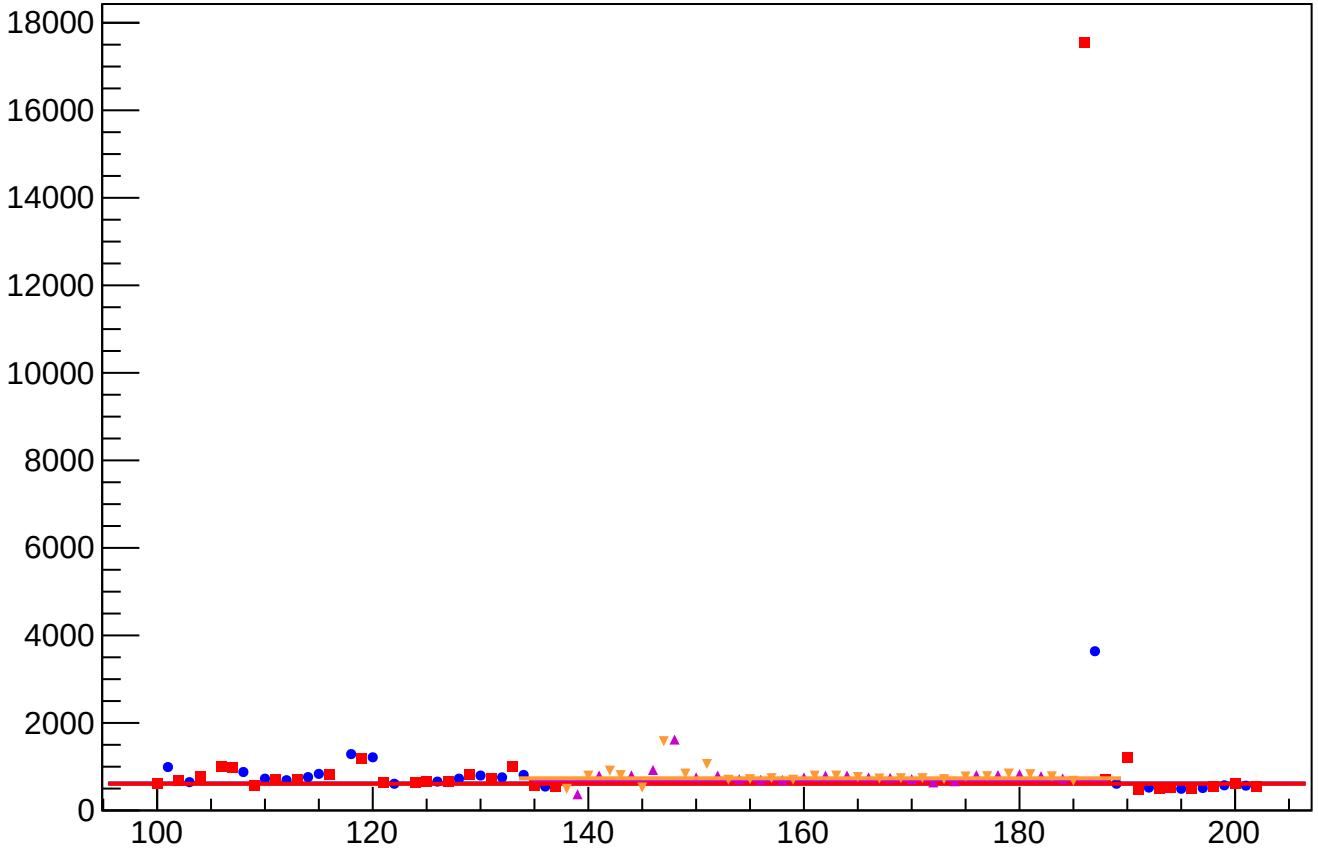
Right: -0.176+/-0.125 χ^2/NDF: 53.7/51

In: -0.018+/-0.124 χ^2/NDF:29.7/45

Out: -0.237+/-0.121 χ^2/NDF:57.2/53

All: -0.131+/-0.087 χ^2/NDF: 88.5/99

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 617.048+/-0.130 χ^2/NDF: 1449396.5/22

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 609.903+/-0.120 χ^2/NDF: 1961805.0/28

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

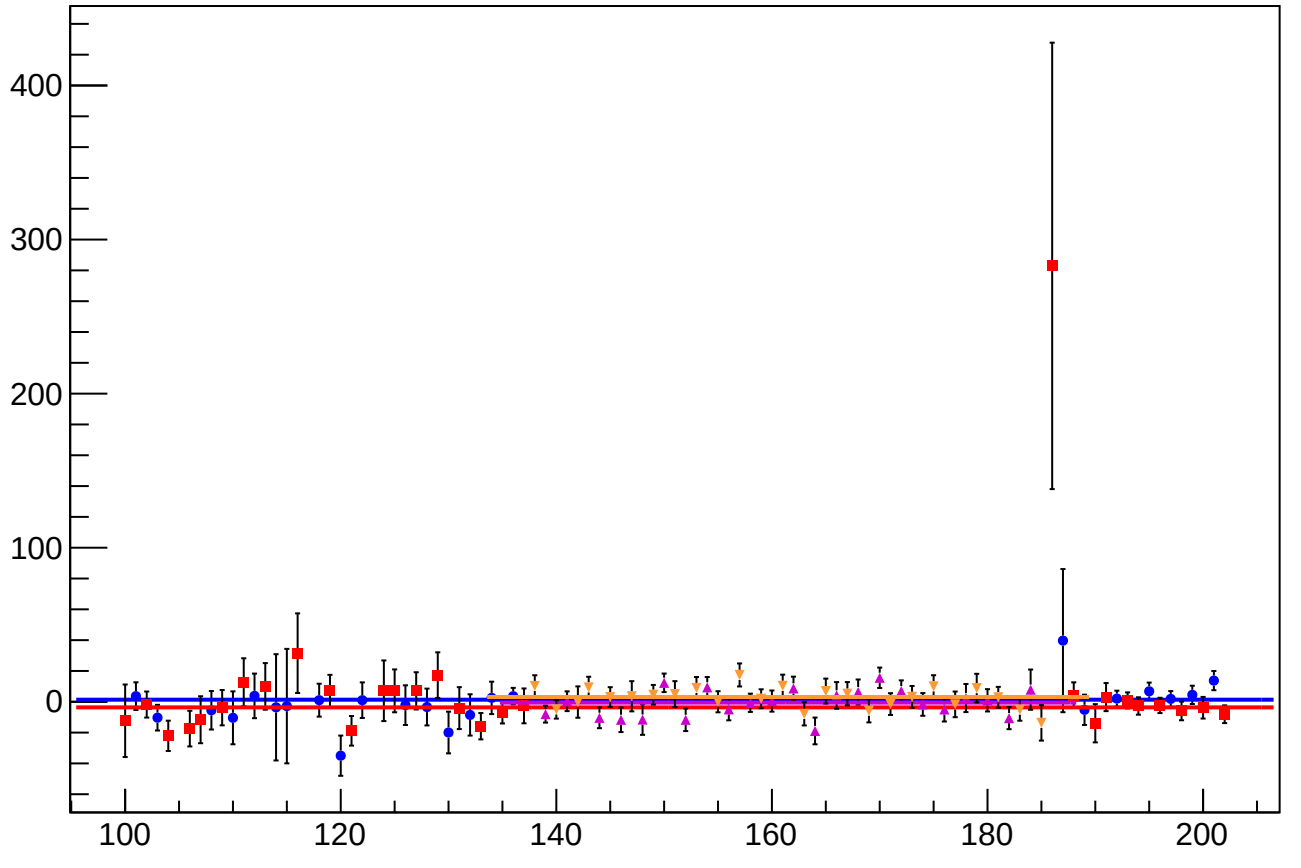
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 613.191+/-0.088 χ^2/NDF: 3412835.1/51

In: 658.789+/-0.088 χ^2/NDF:3865251.7/45

Out: 671.521+/-0.085 χ^2/NDF:3837459.6/53

All: 665.342+/-0.061 χ^2/NDF: 7713493.3/99



Right In: 1.353+/-1.809 χ^2/NDF: 20.4/22

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.632+/-1.662 χ^2/NDF: 26.4/28

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

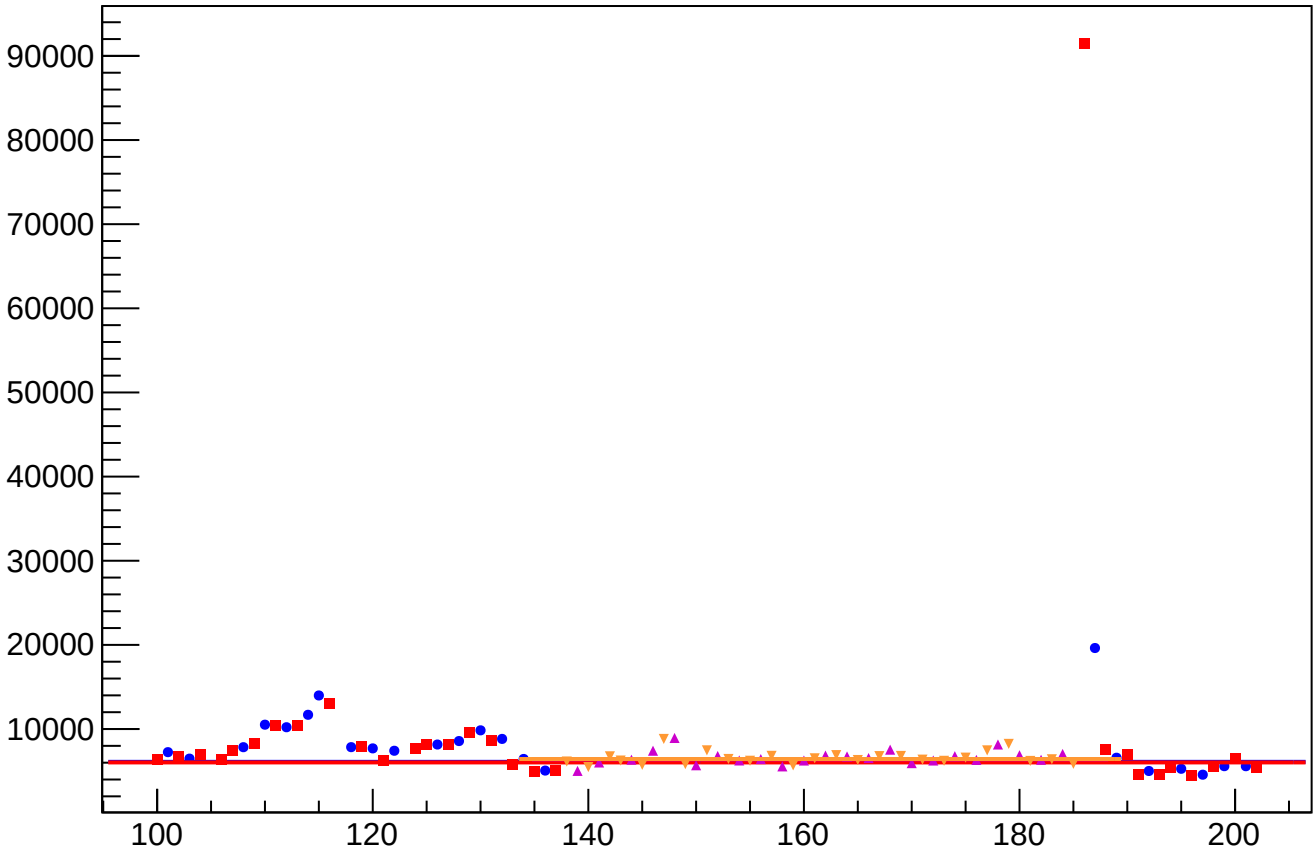
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.350+/-1.224 χ^2/NDF: 50.9/51

In: 0.233+/-1.160 χ^2/NDF:54.6/45

Out: 0.138+/-1.104 χ^2/NDF:54.3/53

All: 0.183+/-0.800 χ^2/NDF: 108.9/99



Right In: 6100.326+/-1.279 χ^2/NDF: 1587786.1/22

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6030.619+/-1.175 χ^2/NDF: 2314513.2/28

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

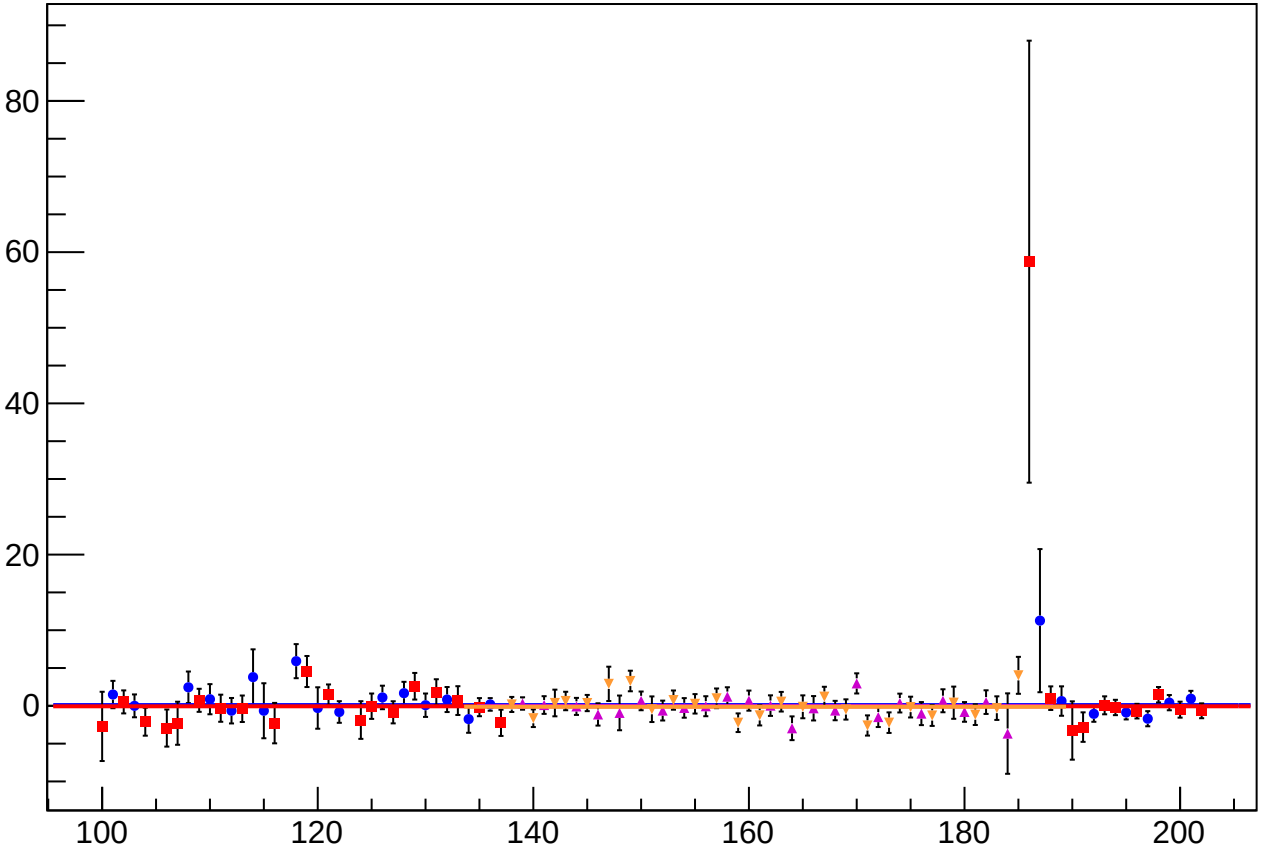
Right: 6062.529+/-0.866 χ^2/NDF: 3903909.2/51

In: 6279.801+/-0.821 χ^2/NDF:2146302.7/45

Out: 6256.908+/-0.781 χ^2/NDF:2798119.6/53

All: 6267.783+/-0.566 χ^2/NDF: 4944831.1/99

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.299 χ^2/NDF: 21.0/22

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.063+/-0.285 χ^2/NDF: 27.4/28

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

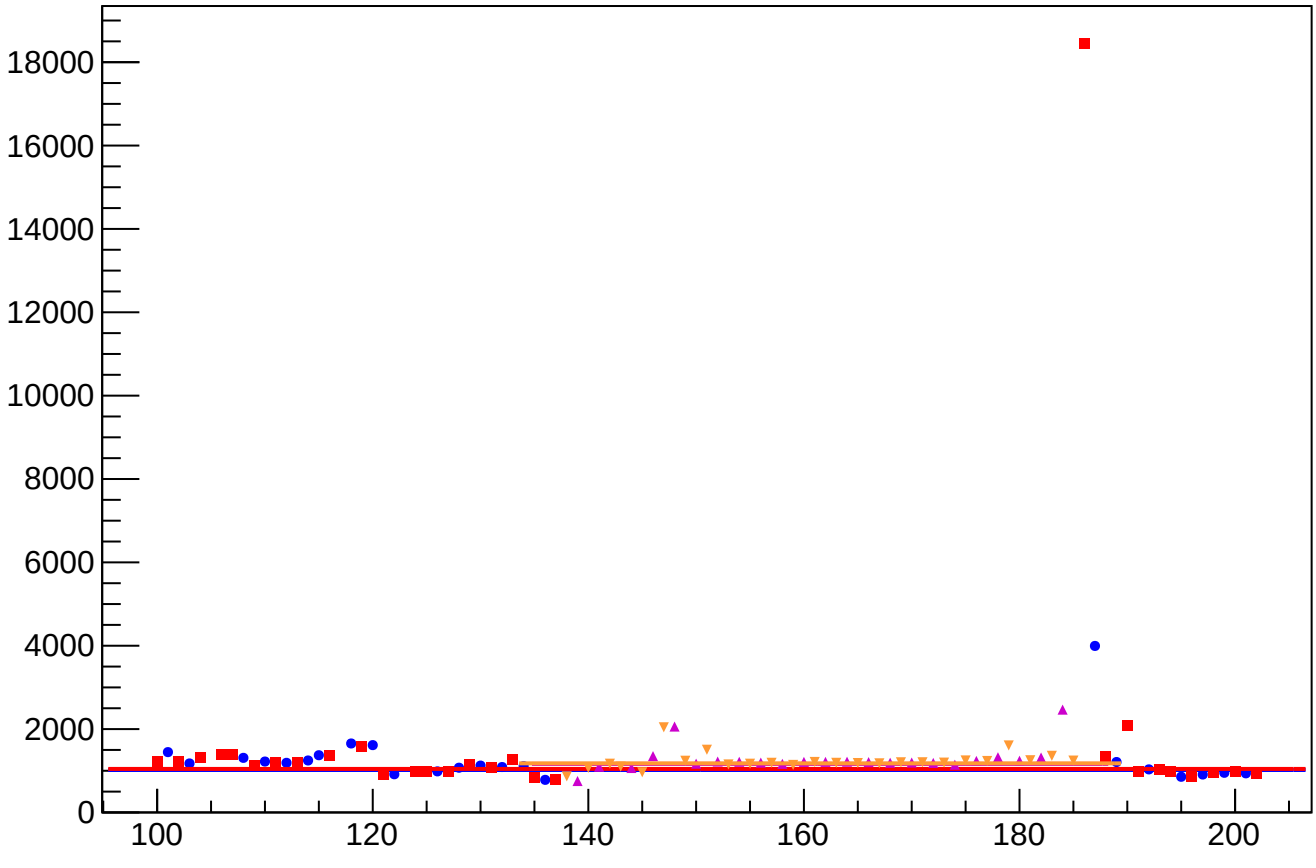
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.014+/-0.206 χ^2/NDF: 48.5/51

In: 0.030+/-0.204 χ^2/NDF:35.5/45

Out: -0.094+/-0.197 χ^2/NDF:54.4/53

All: -0.034+/-0.142 χ^2/NDF: 90.1/99



Right In: 1019.019+/-0.211 χ^2/NDF: 1011530.6/22

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1044.253+/-0.201 χ^2/NDF: 1572299.3/28

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

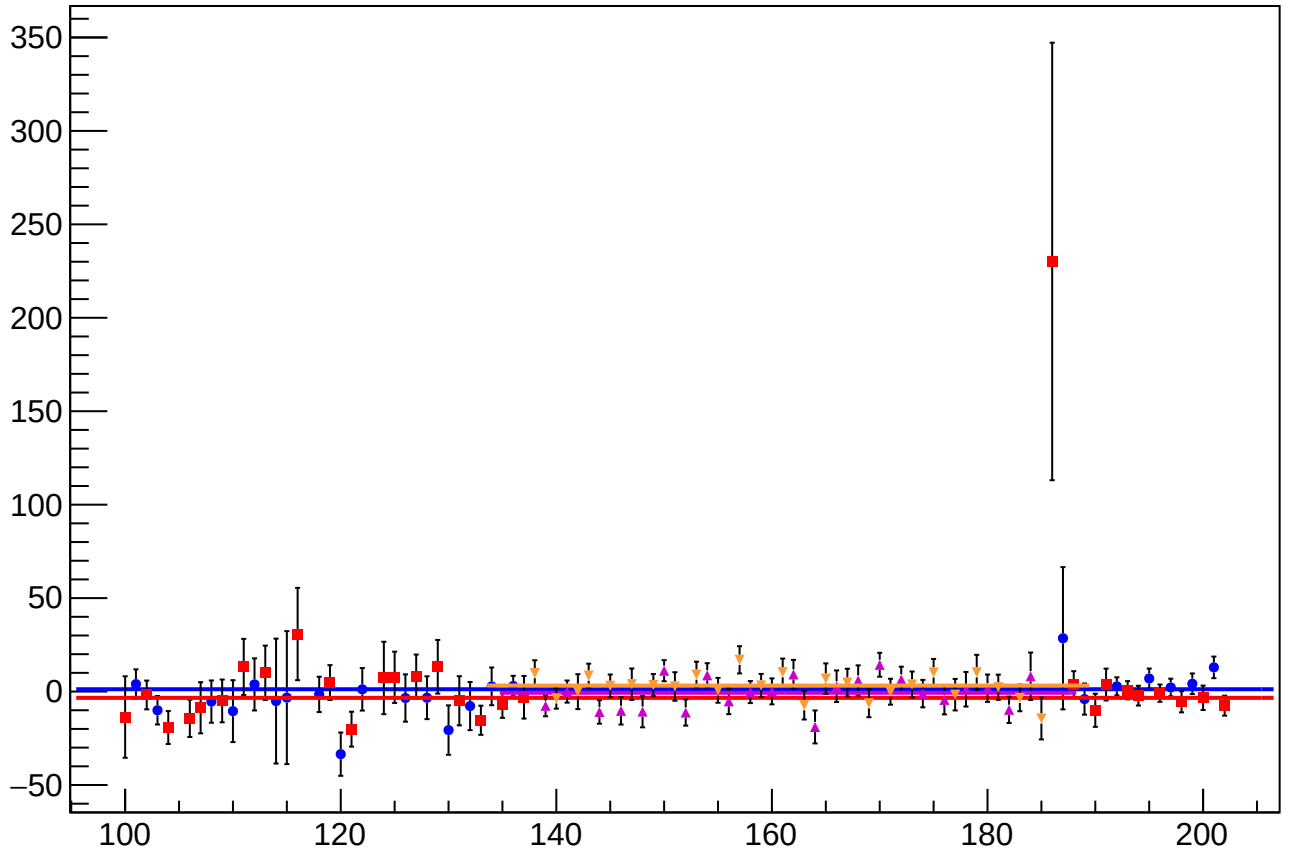
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1032.257+/-0.146 χ^2/NDF: 2591308.6/51

In: 1096.512+/-0.144 χ^2/NDF:2314950.5/45

Out: 1113.662+/-0.139 χ^2/NDF:2602116.8/53

All: 1105.372+/-0.100 χ^2/NDF: 4924384.5/99



Right In: 1.244+/-1.694 χ^2/NDF: 22.6/22

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -3.373+/-1.545 χ^2/NDF: 26.7/28

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

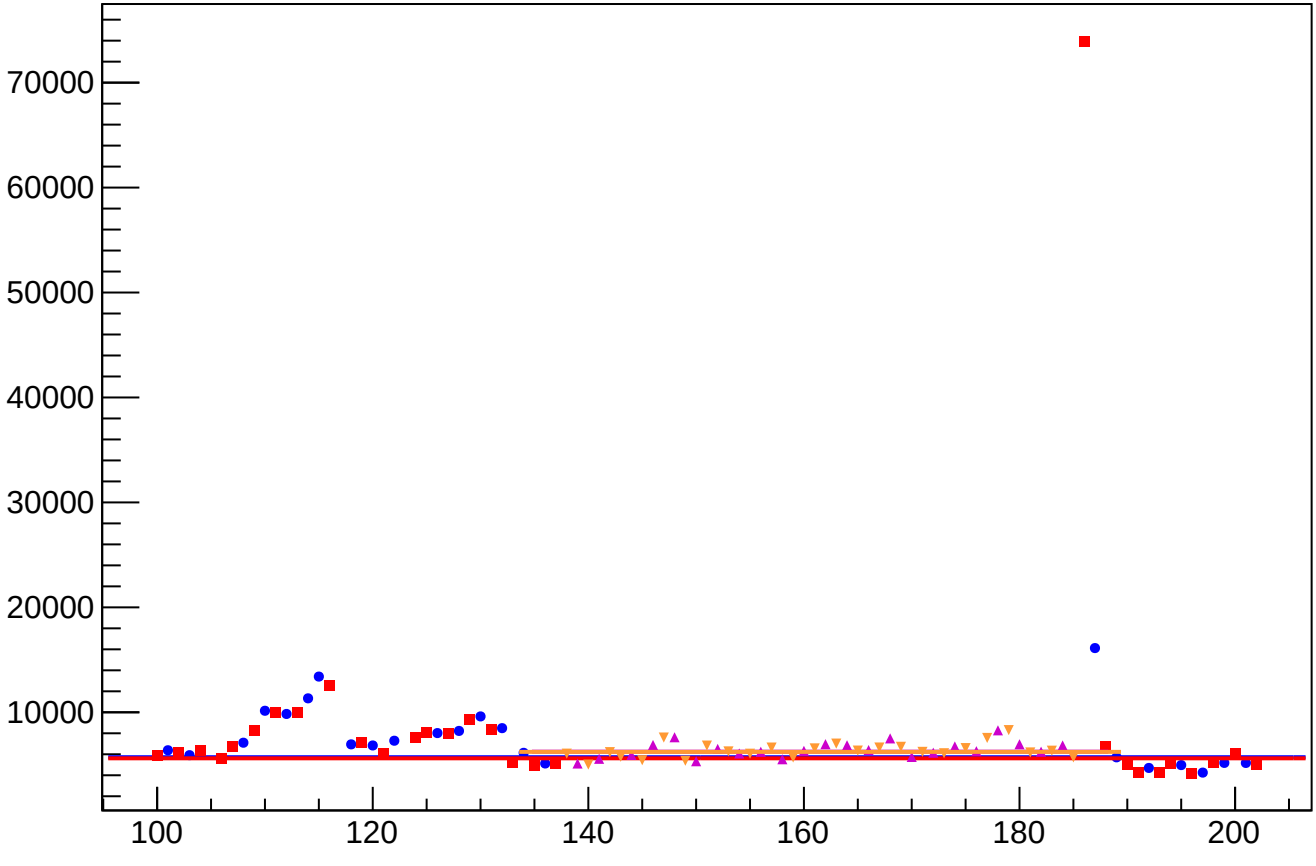
Right: -1.277+/-1.142 χ^2/NDF: 53.3/51

In: 0.156+/-1.112 χ^2/NDF:55.6/45

Out: 0.187+/-1.049 χ^2/NDF:54.4/53

All: 0.172+/-0.763 χ^2/NDF: 110.1/99

diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 5719.924+/-1.198 χ^2/NDF: 1568155.1/22

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5614.926+/-1.093 χ^2/NDF: 2332947.7/28

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

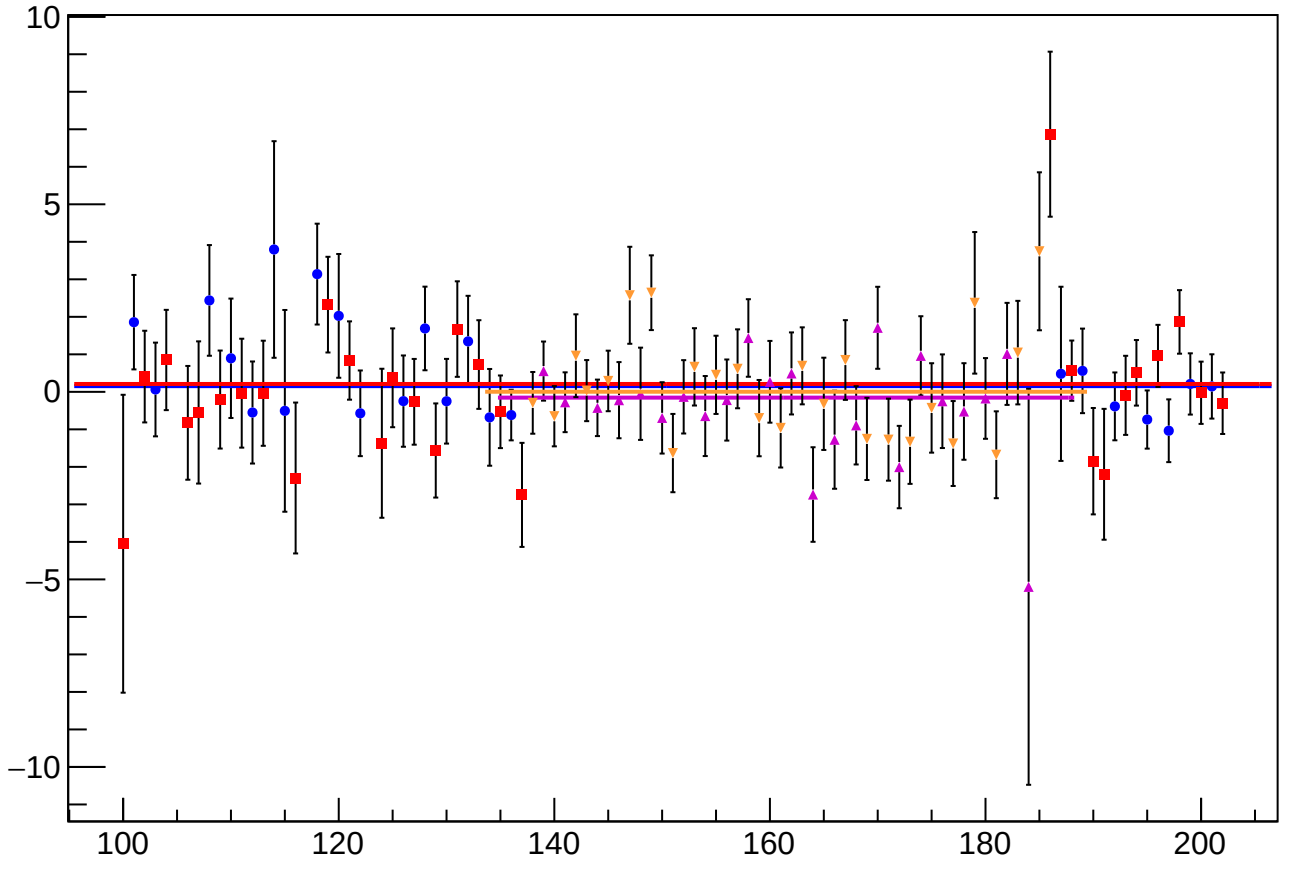
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5662.611+/-0.807 χ^2/NDF: 3905296.5/51

In: 6019.841+/-0.786 χ^2/NDF:2163260.4/45

Out: 5945.615+/-0.742 χ^2/NDF:2973791.7/53

All: 5980.584+/-0.540 χ^2/NDF: 5141766.1/99



Right In: 0.152+/-0.233 χ^2/NDF: 21.7/22

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.210+/-0.218 χ^2/NDF: 35.0/28

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

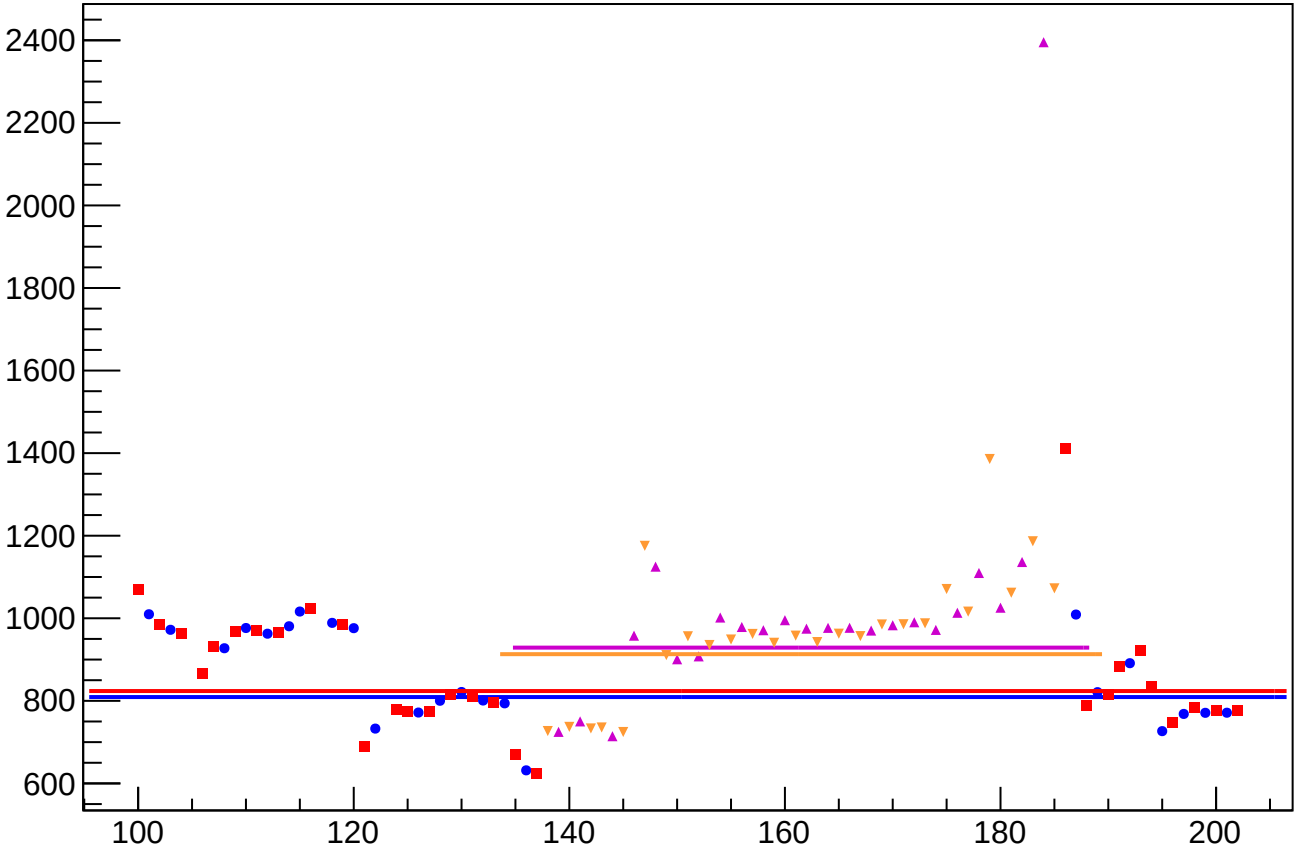
Right: 0.183+/-0.159 χ^2/NDF: 56.7/51

In: -0.009+/-0.160 χ^2/NDF:41.0/45

Out: 0.104+/-0.152 χ^2/NDF:67.1/53

All: 0.051+/-0.110 χ^2/NDF: 108.3/99

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 809.193+/-0.164 χ^2/NDF: 437451.9/22

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 823.736+/-0.154 χ^2/NDF: 524701.2/28

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

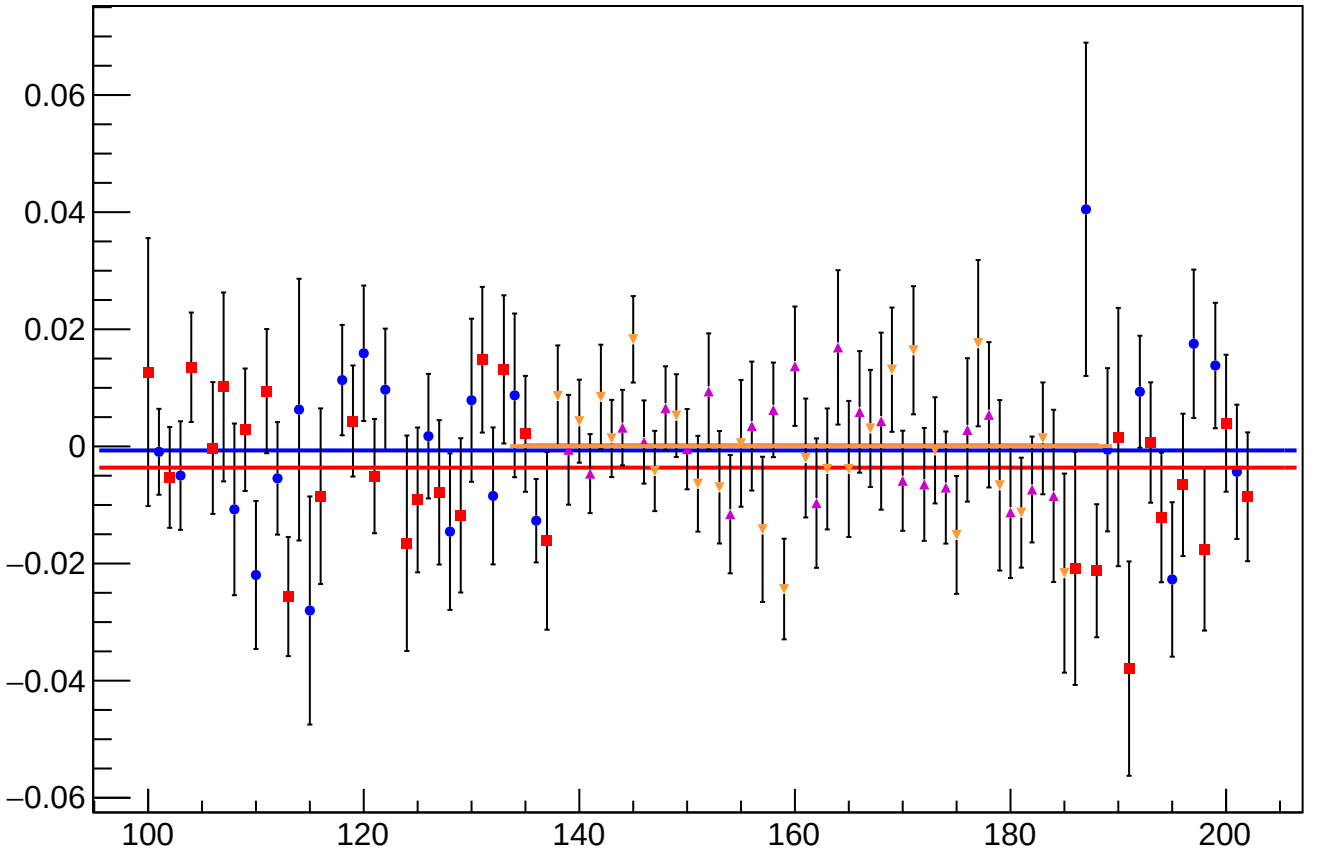
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 816.941+/-0.112 χ^2/NDF: 966321.3/51

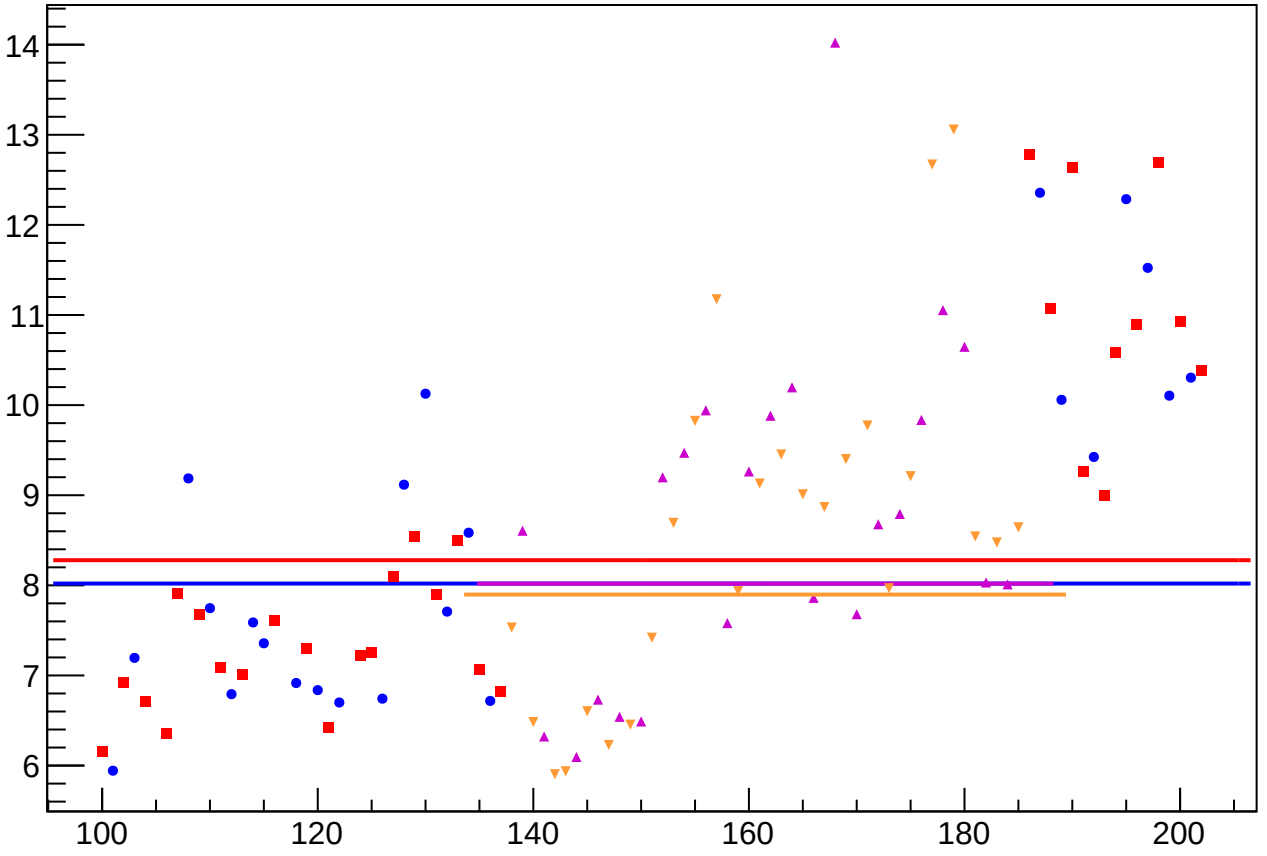
In: 872.070+/-0.113 χ^2/NDF:1485010.3/45

Out: 869.615+/-0.107 χ^2/NDF:1586778.9/53

All: 870.777+/-0.078 χ^2/NDF: 3072036.6/99


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.001+/-0.002 χ²/NDF: 25.7/22
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: -0.004+/-0.002 χ²/NDF: 27.5/28
Left In: 0.000+/-0.002 χ²/NDF:12.8/22
Left: 0.000+/-0.001 χ²/NDF: 43.9/47
Right: -0.002+/-0.002 χ²/NDF: 54.0/51
In: -0.000+/-0.001 χ²/NDF:38.6/45
Out: -0.001+/-0.001 χ²/NDF:60.2/53
All: -0.001+/-0.001 χ²/NDF: 99.2/99

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.020+/-0.002 χ^2/NDF: 1115144.4/22

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.279+/-0.002 χ^2/NDF: 1287423.9/28

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

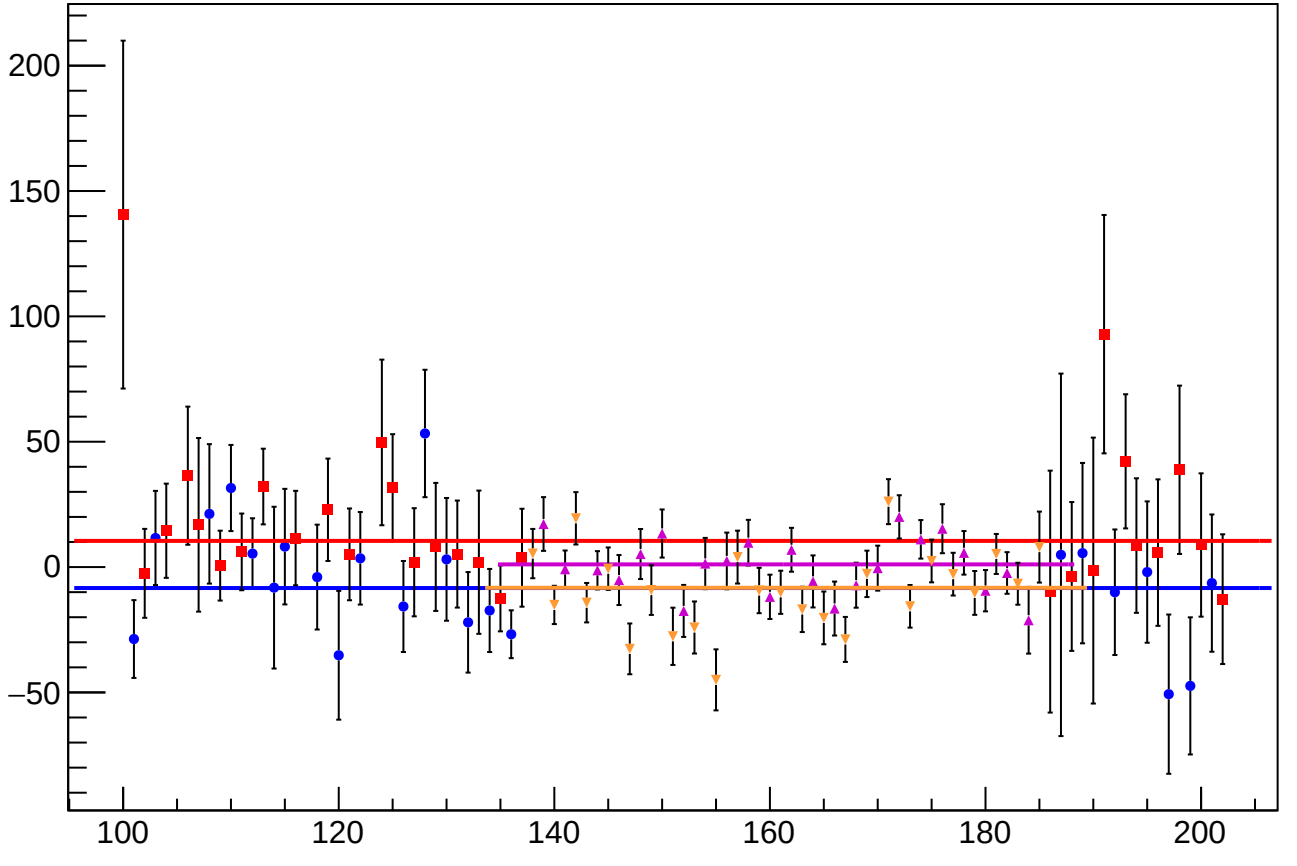
Right: 8.156+/-0.001 χ^2/NDF: 2415409.3/51

In: 8.019+/-0.001 χ^2/NDF:2570859.3/45

Out: 8.053+/-0.001 χ^2/NDF:2913120.9/53

All: 8.037+/-0.001 χ^2/NDF: 5484512.1/99

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -8.359+/-4.184 χ^2/NDF: 27.2/22

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 10.447+/-4.119 χ^2/NDF: 20.4/28

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

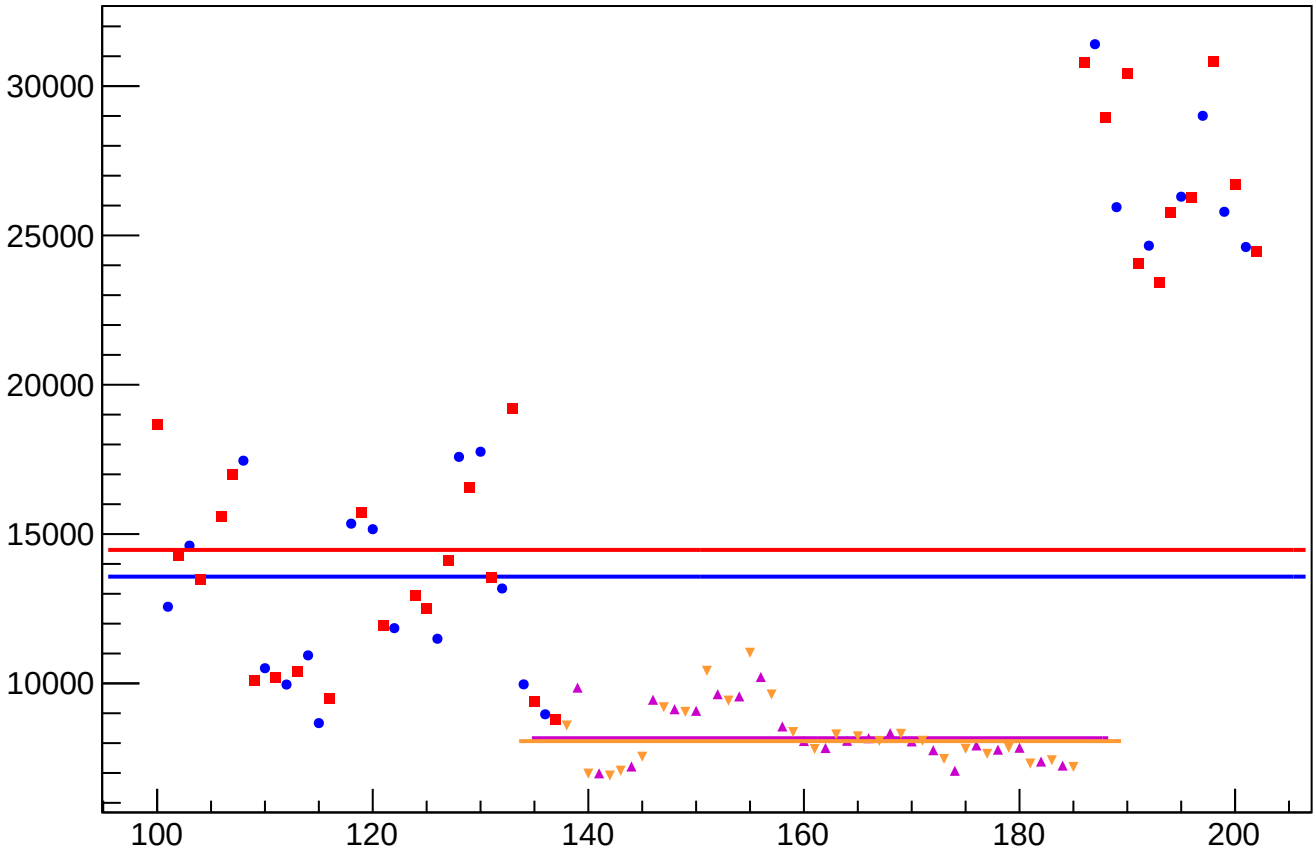
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

Right: 1.190+/-2.935 χ^2/NDF: 57.9/51

In: -0.570+/-1.746 χ^2/NDF:60.2/45

Out: -5.119+/-1.687 χ^2/NDF:99.7/53

All: -2.922+/-1.213 χ^2/NDF: 163.5/99



Right In: 13574.317+/-2.959 χ^2/NDF: 3442205.9/22

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 14469.228+/-2.913 χ^2/NDF: 4282650.8/28

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

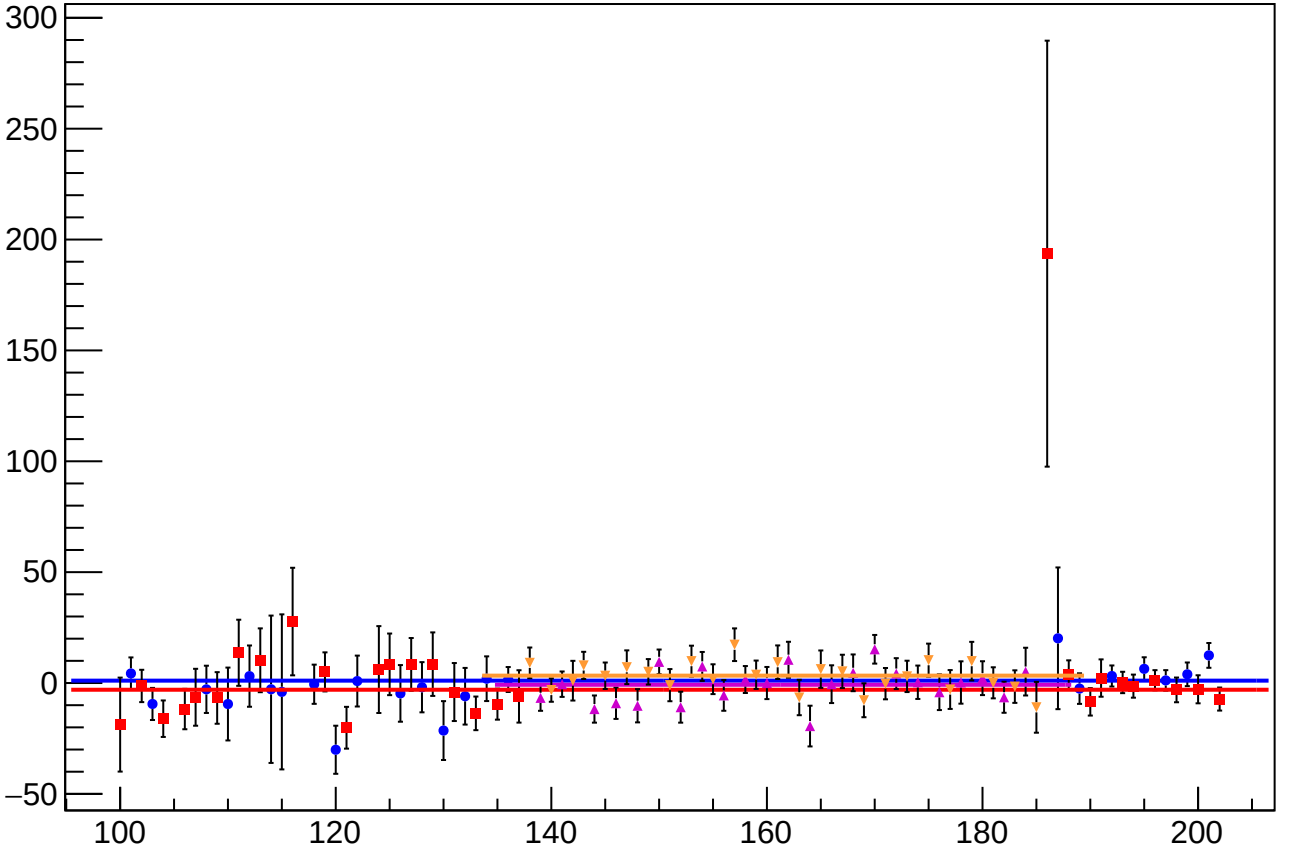
Right: 14028.754+/-2.076 χ^2/NDF: 7771315.1/51

In: 9105.299+/-1.234 χ^2/NDF:6636972.1/45

Out: 9140.729+/-1.193 χ^2/NDF:8801661.2/53

All: 9123.618+/-0.858 χ^2/NDF: 15439059.3/9

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: 1.071+/-1.642 χ^2/NDF: 21.0/22

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -3.033+/-1.484 χ^2/NDF: 26.0/28

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

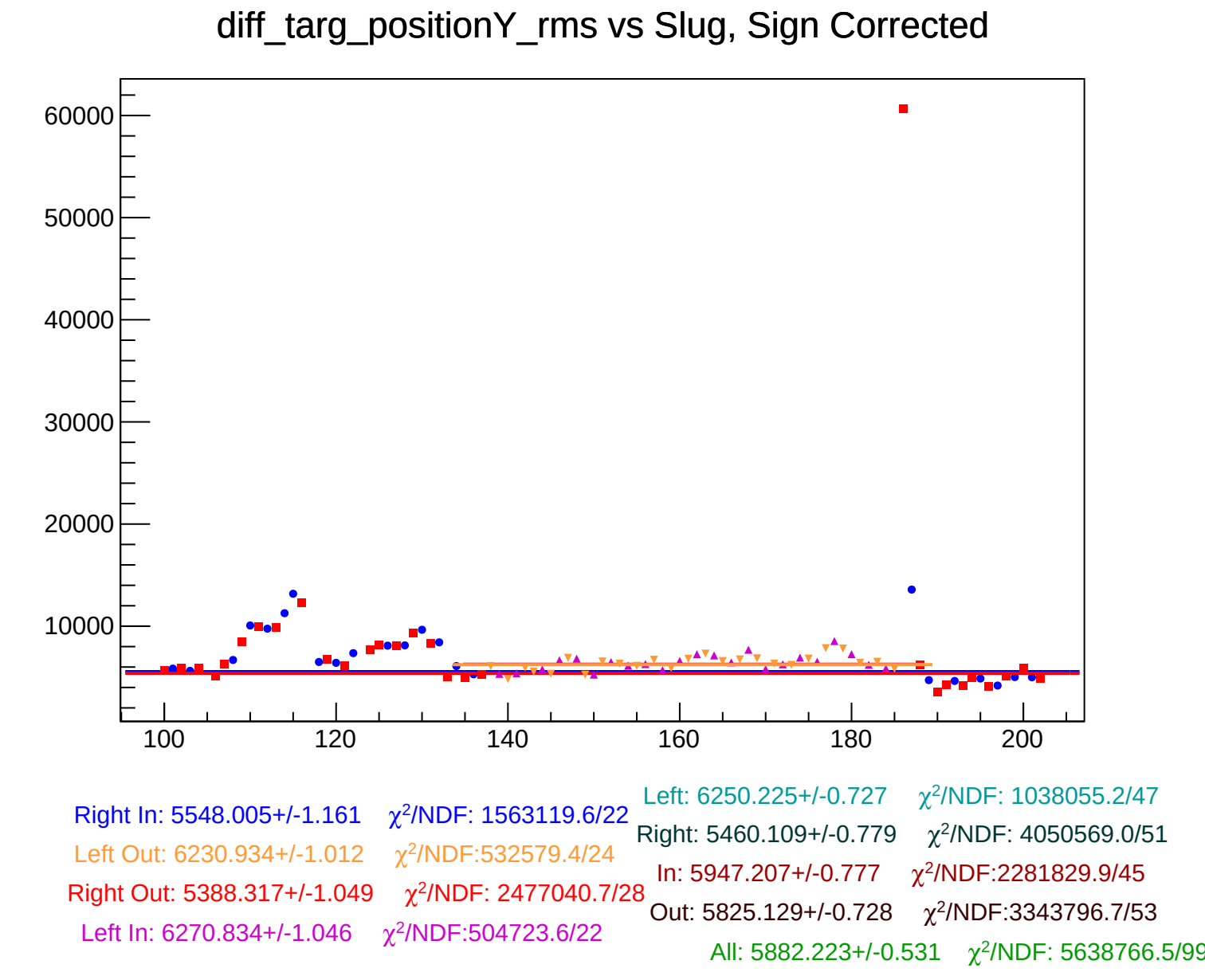
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -1.188+/-1.101 χ^2/NDF: 50.4/51

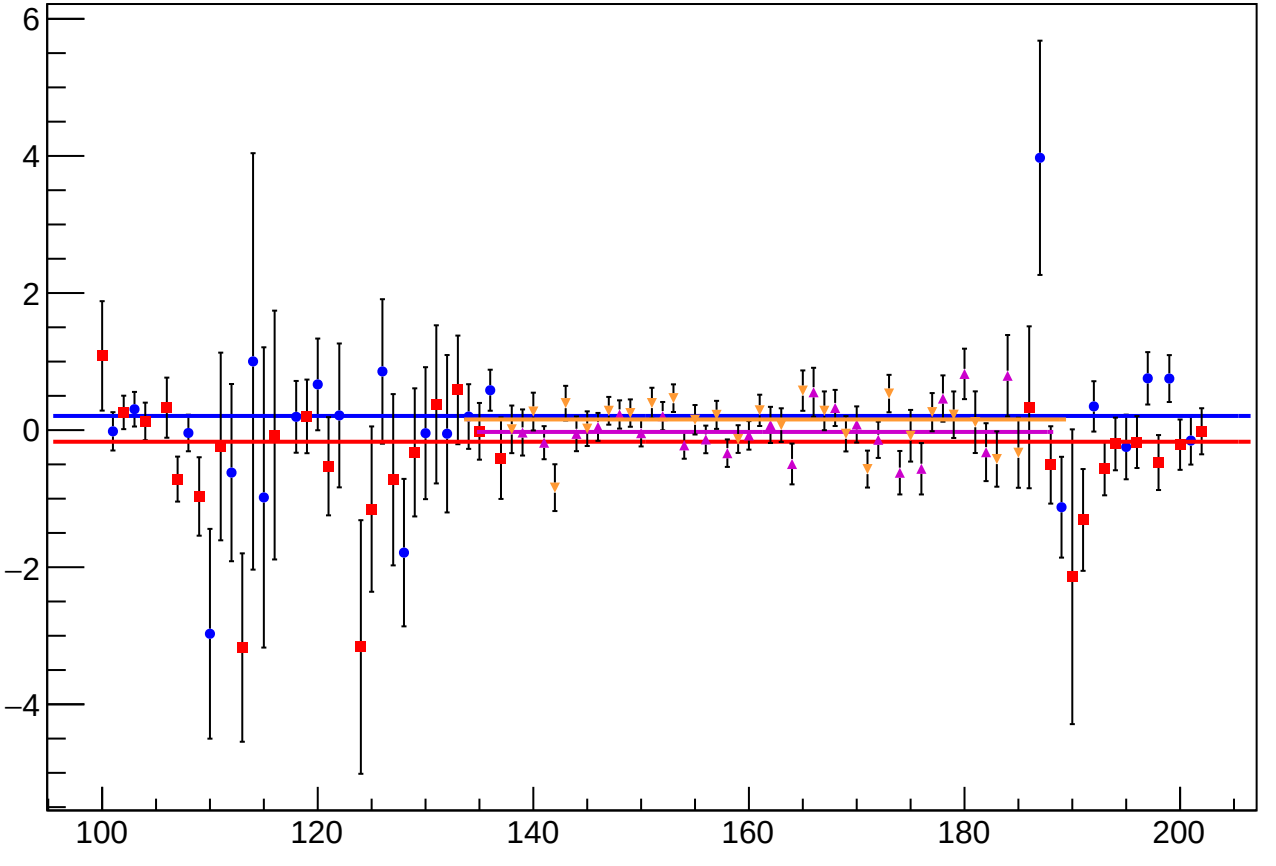
In: 0.040+/-1.099 χ^2/NDF:51.1/45

Out: 0.265+/-1.030 χ^2/NDF:52.5/53

All: 0.160+/-0.751 χ^2/NDF: 103.6/99


diff_targ_positionY_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5548.005+/-1.161 χ²/NDF: 1563119.6/22
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5388.317+/-1.049 χ²/NDF: 2477040.7/28
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 5460.109+/-0.779 χ²/NDF: 4050569.0/51
In: 5947.207+/-0.777 χ²/NDF:2281829.9/45
Out: 5825.129+/-0.728 χ²/NDF:3343796.7/53
All: 5882.223+/-0.531 χ²/NDF: 5638766.5/99

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.207+/-0.096 χ^2/NDF: 27.6/22

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.170+/-0.092 χ^2/NDF: 28.7/28

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

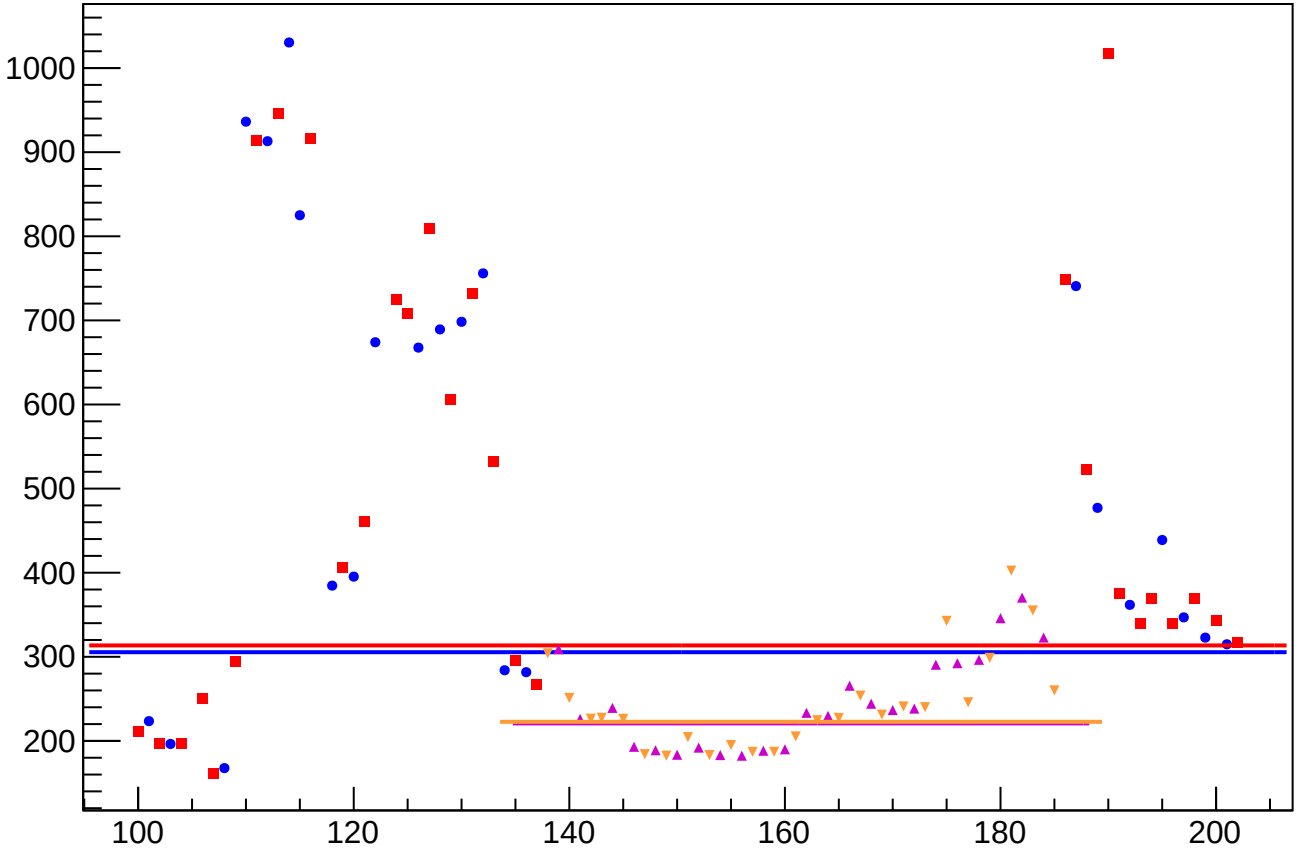
Right: 0.010+/-0.066 χ^2/NDF: 64.3/51

In: 0.028+/-0.046 χ^2/NDF:61.9/45

Out: 0.077+/-0.045 χ^2/NDF:70.5/53

All: 0.053+/-0.032 χ^2/NDF: 132.9/99

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 305.497+/-0.068 χ^2/NDF: 4039767.4/22

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 313.543+/-0.065 χ^2/NDF: 4644490.8/28

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

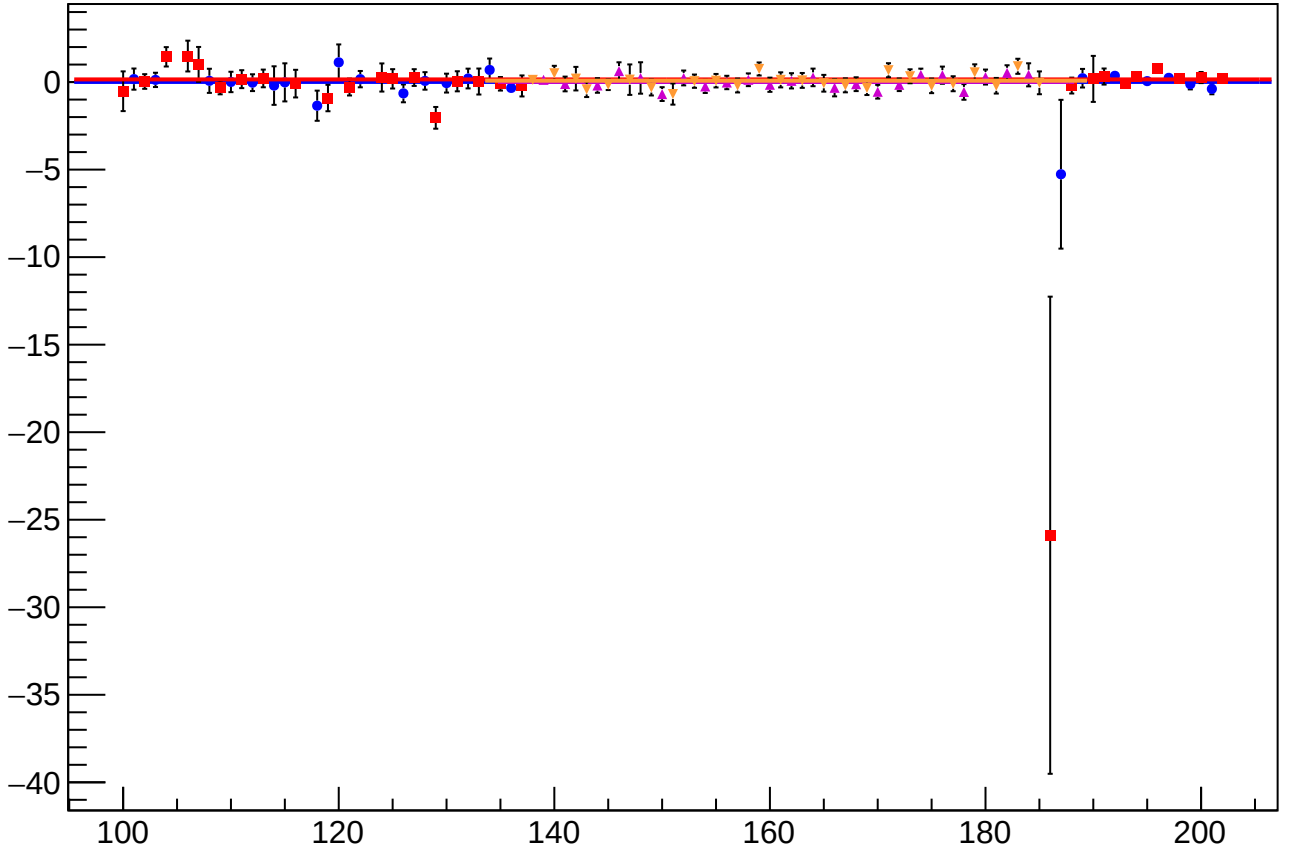
Right: 309.715+/-0.047 χ^2/NDF: 8691561.5/51

In: 240.439+/-0.033 χ^2/NDF:6696777.6/45

Out: 244.717+/-0.032 χ^2/NDF:7578043.0/53

All: 242.635+/-0.023 χ^2/NDF: 14283542.2/99

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.090 χ^2/NDF: 14.4/22

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.152+/-0.083 χ^2/NDF: 37.9/28

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

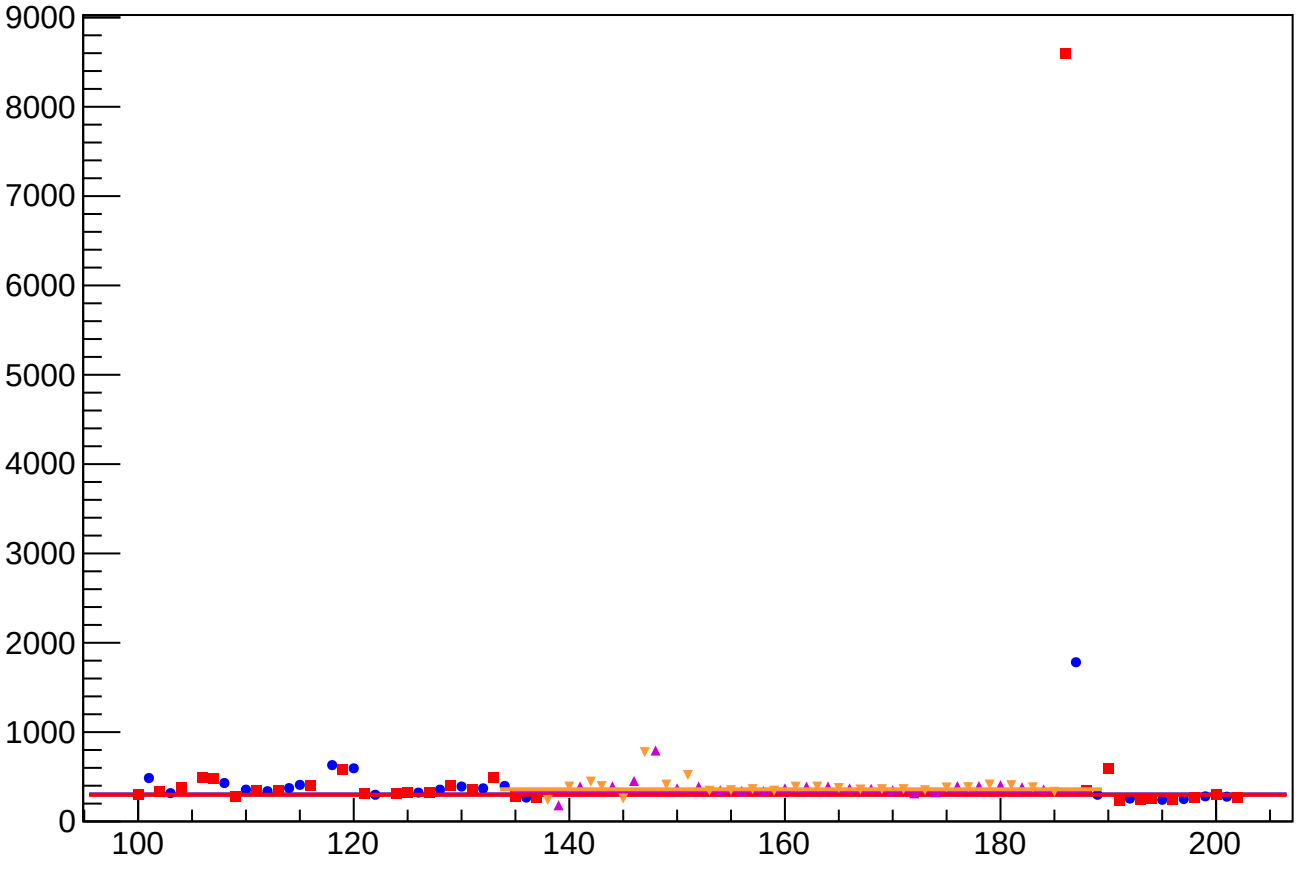
Right: 0.086+/-0.061 χ^2/NDF: 53.7/51

In: 0.009+/-0.061 χ^2/NDF:29.7/45

Out: 0.116+/-0.059 χ^2/NDF:57.2/53

All: 0.064+/-0.042 χ^2/NDF: 88.5/99

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 302.252+/-0.064 χ^2/NDF: 1449396.5/22

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 298.752+/-0.059 χ^2/NDF: 1961805.0/28

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

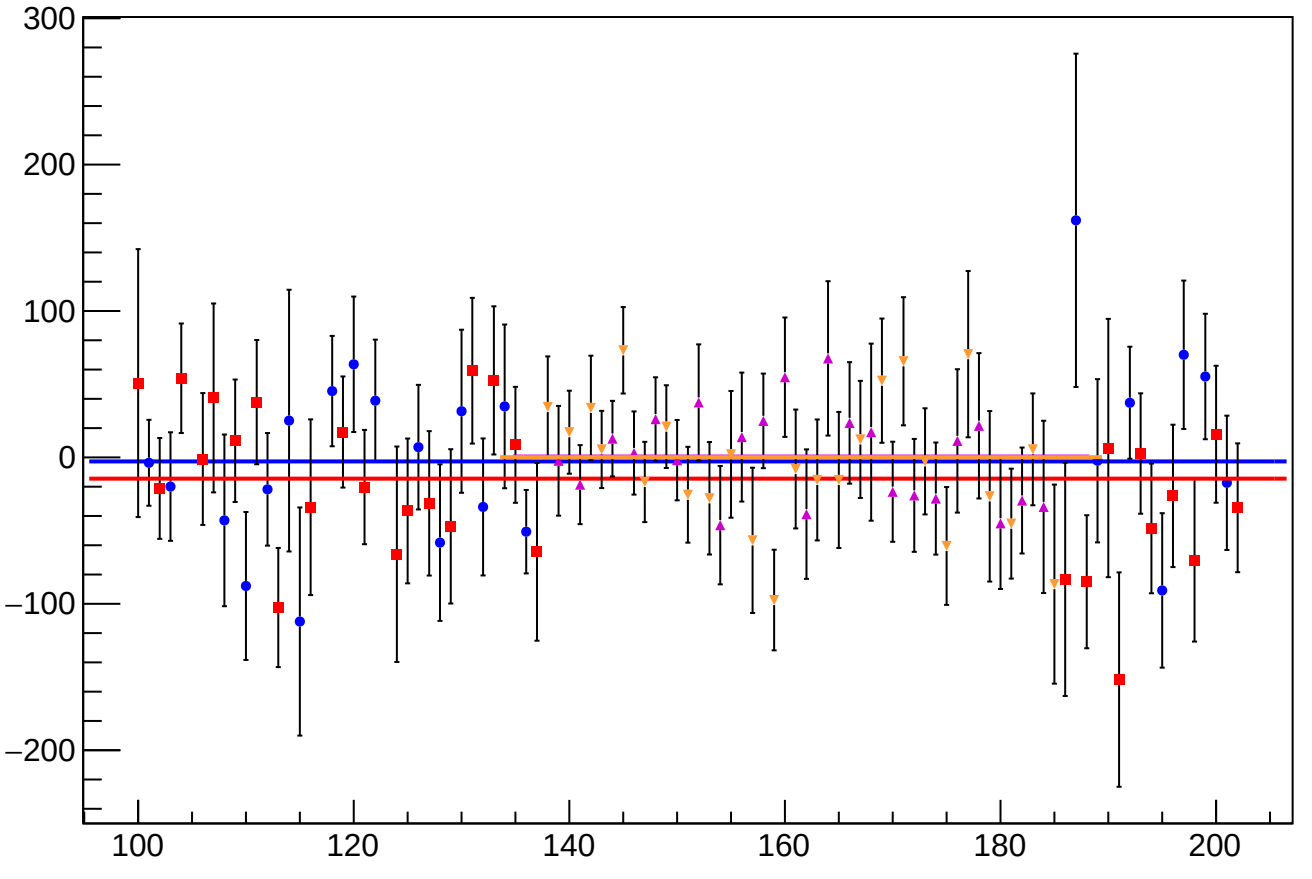
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 300.363+/-0.043 χ^2/NDF: 3412835.1/51

In: 322.699+/-0.043 χ^2/NDF:3865251.7/45

Out: 328.935+/-0.042 χ^2/NDF:3837459.6/53

All: 325.908+/-0.030 χ^2/NDF: 7713493.3/99



Right In: -2.743+/-9.380 χ^2/NDF: 25.7/22

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.502+/-8.902 χ^2/NDF: 27.5/28

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

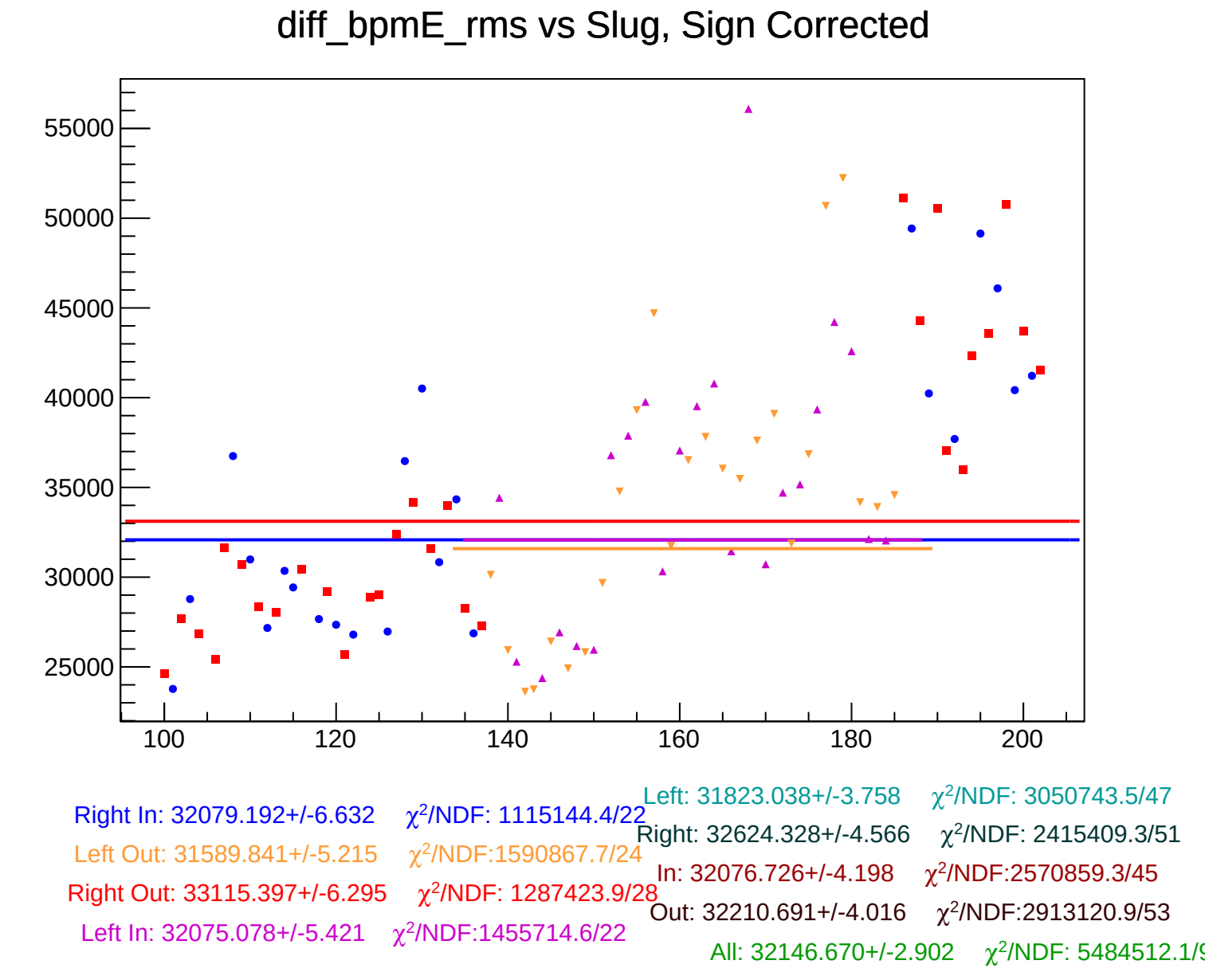
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.929+/-6.457 χ^2/NDF: 54.0/51

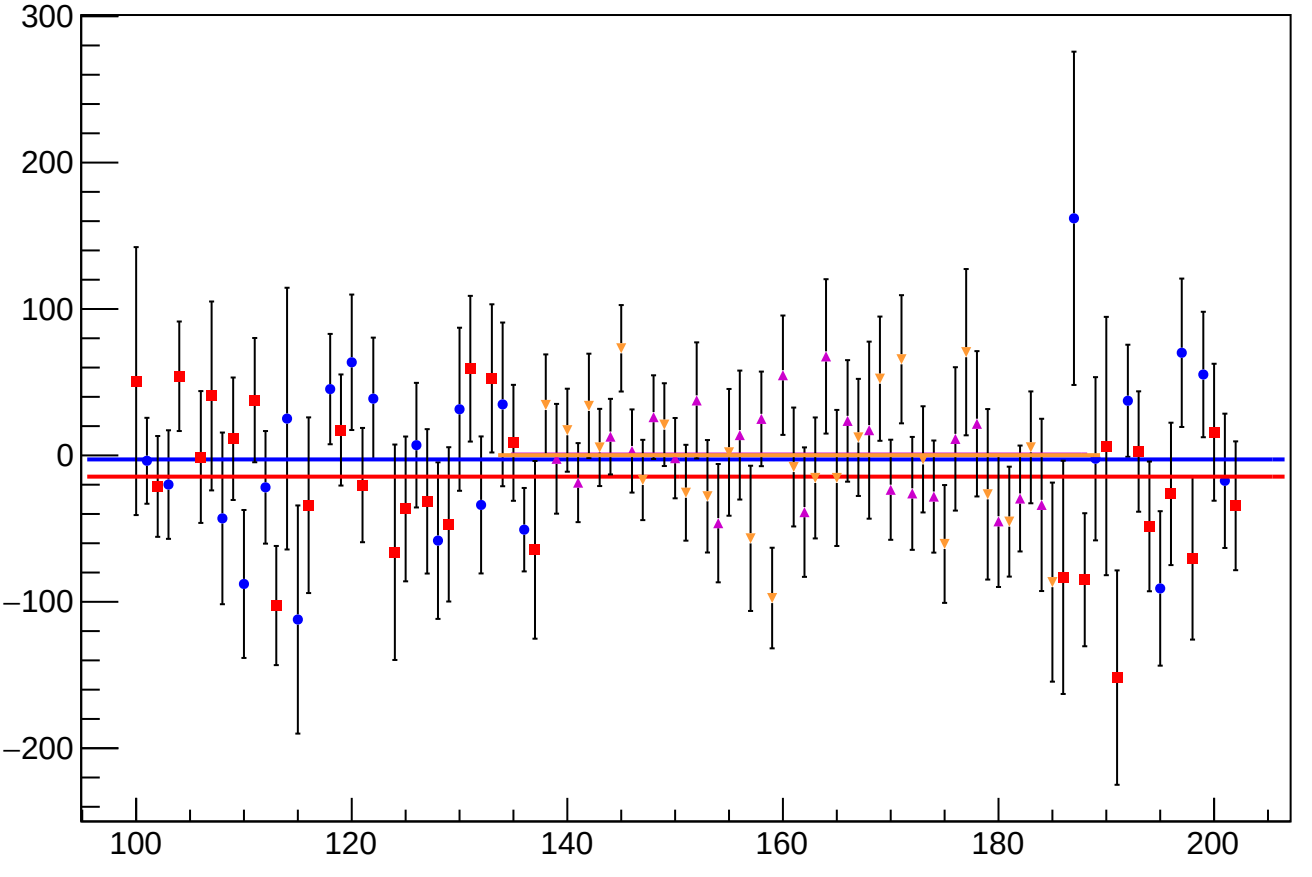
In: -0.747+/-5.936 χ^2/NDF:38.6/45

Out: -5.802+/-5.679 χ^2/NDF:60.2/53

All: -3.386+/-4.104 χ^2/NDF: 99.2/99


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32079.192+/-6.632 χ²/NDF: 1115144.4/22
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33115.397+/-6.295 χ²/NDF: 1287423.9/28
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32624.328+/-4.566 χ²/NDF: 2415409.3/51
In: 32076.726+/-4.198 χ²/NDF:2570859.3/45
Out: 32210.691+/-4.016 χ²/NDF:2913120.9/53
All: 32146.670+/-2.902 χ²/NDF: 5484512.1/9

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -2.743+/-9.380 χ^2/NDF: 25.7/22

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.502+/-8.902 χ^2/NDF: 27.5/28

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

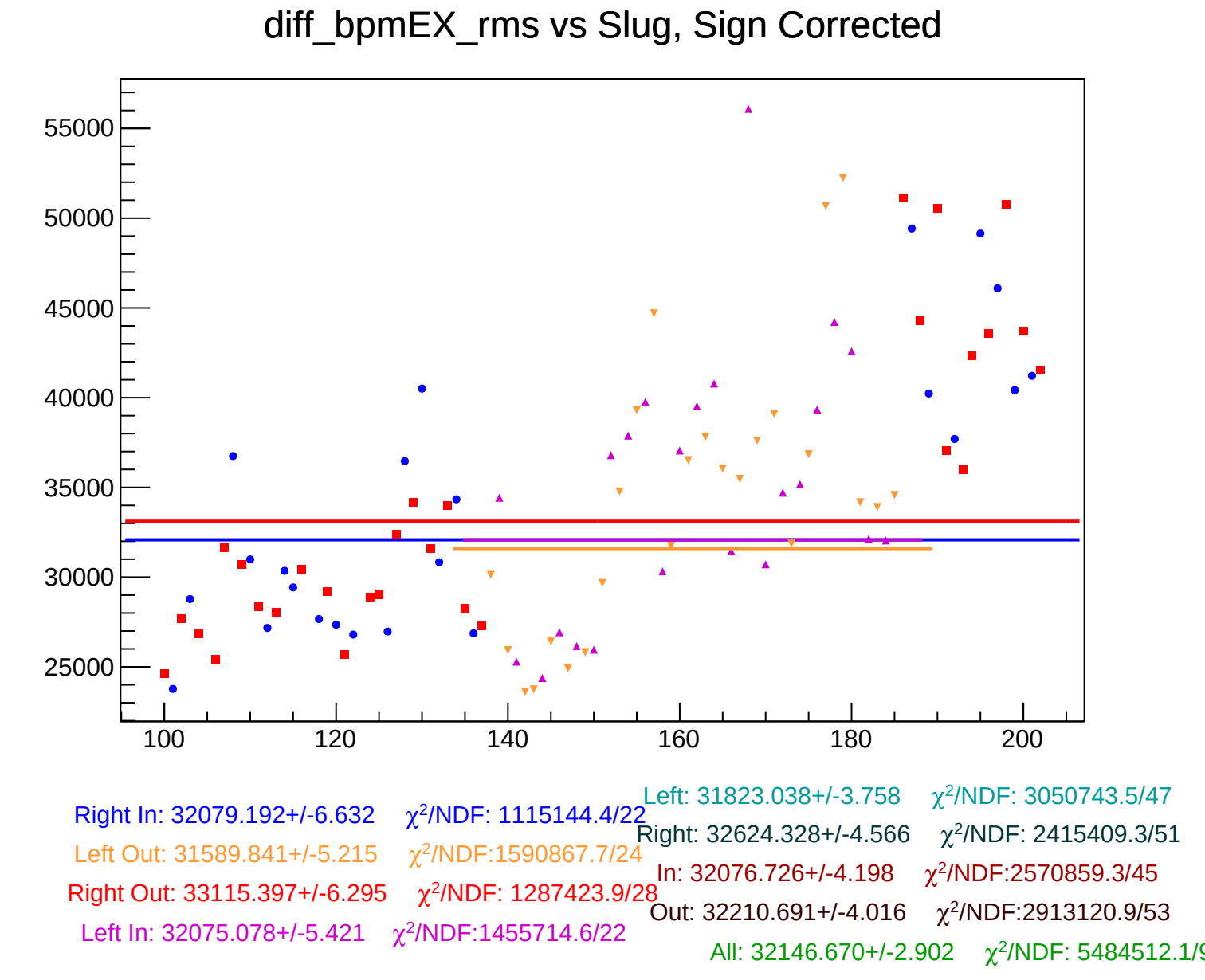
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.929+/-6.457 χ^2/NDF: 54.0/51

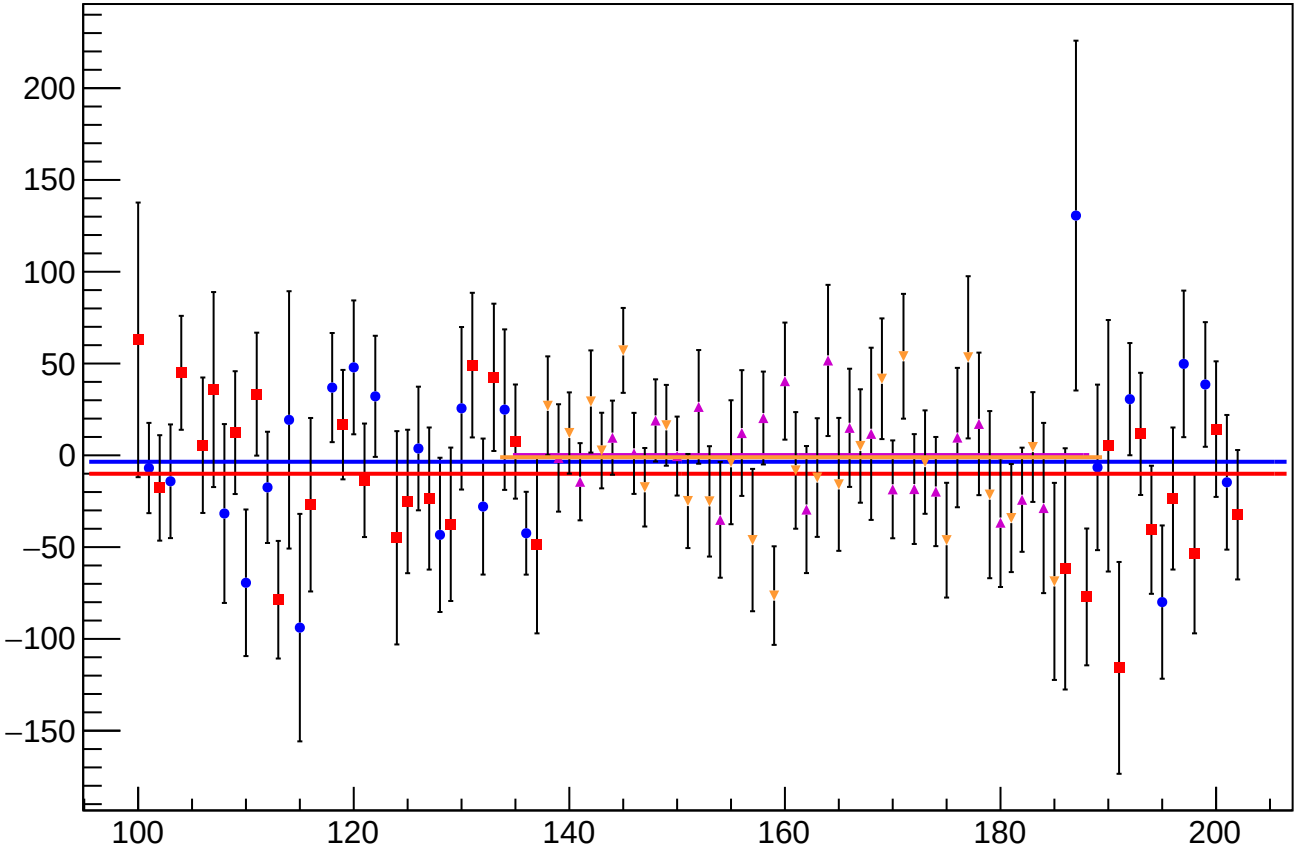
In: -0.747+/-5.936 χ^2/NDF:38.6/45

Out: -5.802+/-5.679 χ^2/NDF:60.2/53

All: -3.386+/-4.104 χ^2/NDF: 99.2/99


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32079.192+/-6.632 χ²/NDF: 1115144.4/22
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33115.397+/-6.295 χ²/NDF: 1287423.9/28
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32624.328+/-4.566 χ²/NDF: 2415409.3/51
In: 32076.726+/-4.198 χ²/NDF:2570859.3/45
Out: 32210.691+/-4.016 χ²/NDF:2913120.9/53
All: 32146.670+/-2.902 χ²/NDF: 5484512.1/9

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -3.507+/-7.503 χ^2/NDF: 25.9/22

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -10.040+/-7.117 χ^2/NDF: 29.2/28

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

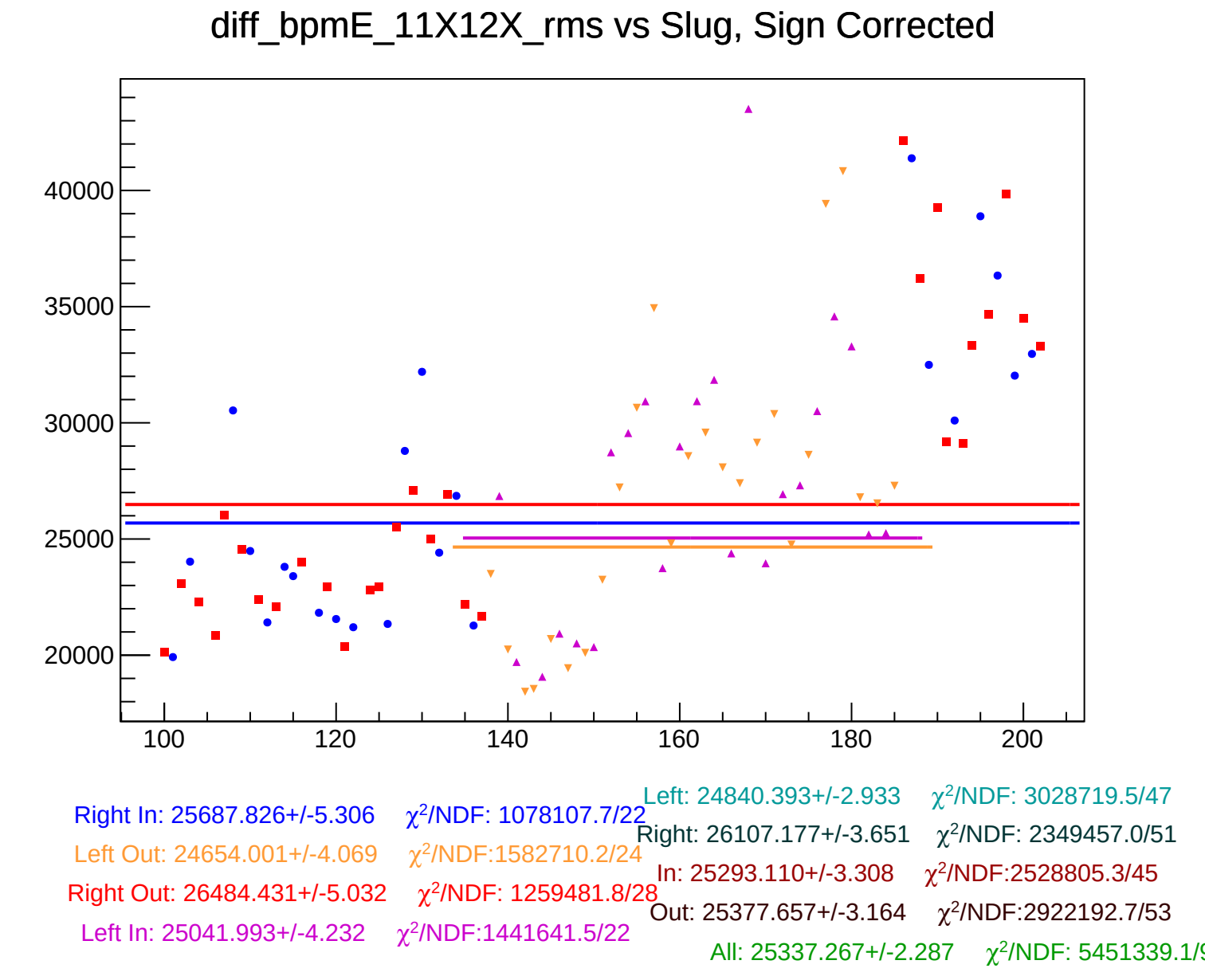
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -6.946+/-5.163 χ^2/NDF: 55.4/51

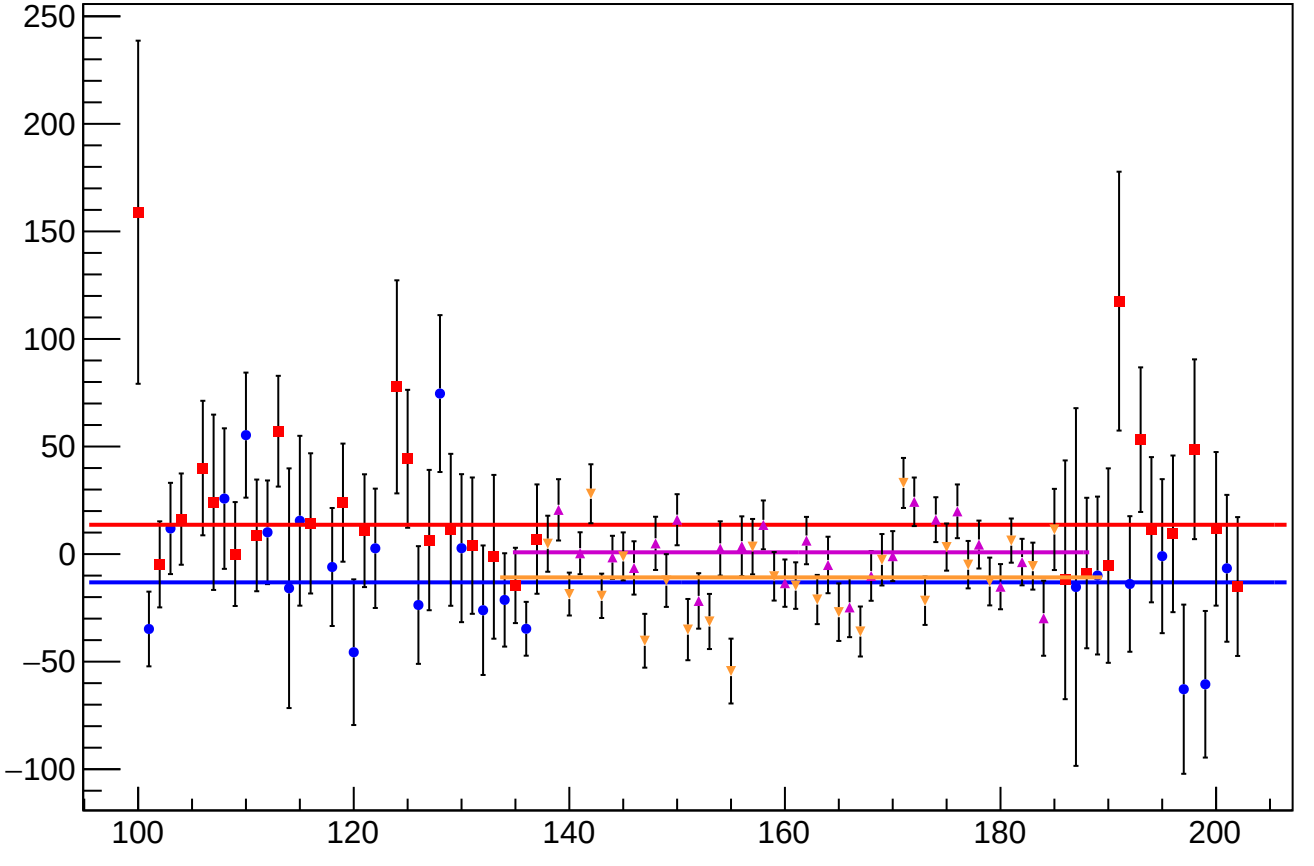
In: -1.274+/-4.679 χ^2/NDF:38.1/45

Out: -4.599+/-4.475 χ^2/NDF:62.5/53

All: -3.011+/-3.234 χ^2/NDF: 100.8/99


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 25687.826+/-5.306 χ²/NDF: 1078107.7/22
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 26484.431+/-5.032 χ²/NDF: 1259481.8/28
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 26107.177+/-3.651 χ²/NDF: 2349457.0/51
In: 25293.110+/-3.308 χ²/NDF:2528805.3/45
Out: 25377.657+/-3.164 χ²/NDF:2922192.7/53
All: 25337.267+/-2.287 χ²/NDF: 5451339.1/9

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -13.143+/-5.640 χ^2/NDF: 25.8/22

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 13.628+/-5.653 χ^2/NDF: 20.6/28

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

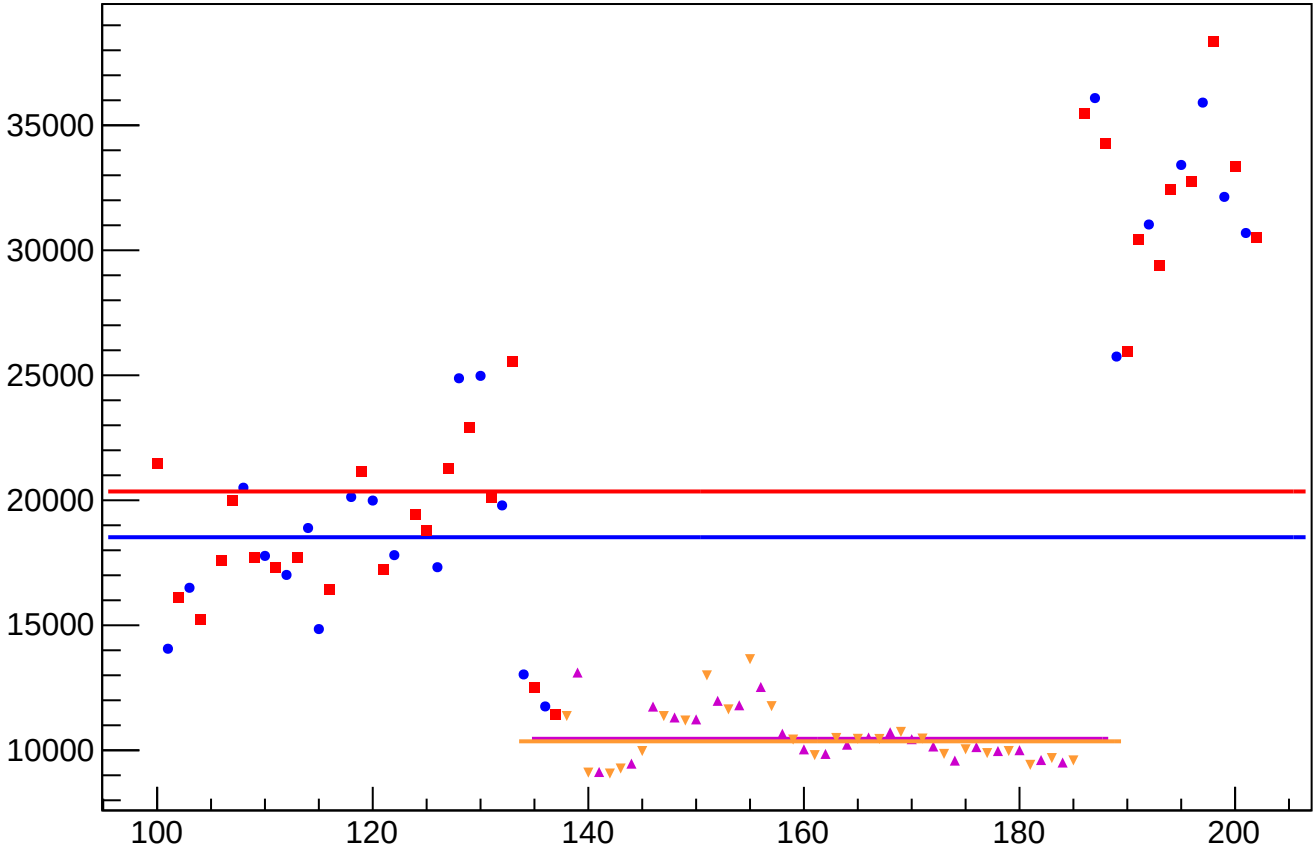
Right: 0.212+/-3.993 χ^2/NDF: 57.6/51

In: -1.402+/-2.253 χ^2/NDF:60.4/45

Out: -7.166+/-2.186 χ^2/NDF:97.7/53

All: -4.371+/-1.569 χ^2/NDF: 161.5/99

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 18522.594+/-3.988 χ^2/NDF: 2840306.3/22

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20352.570+/-3.997 χ^2/NDF: 3076730.0/28

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

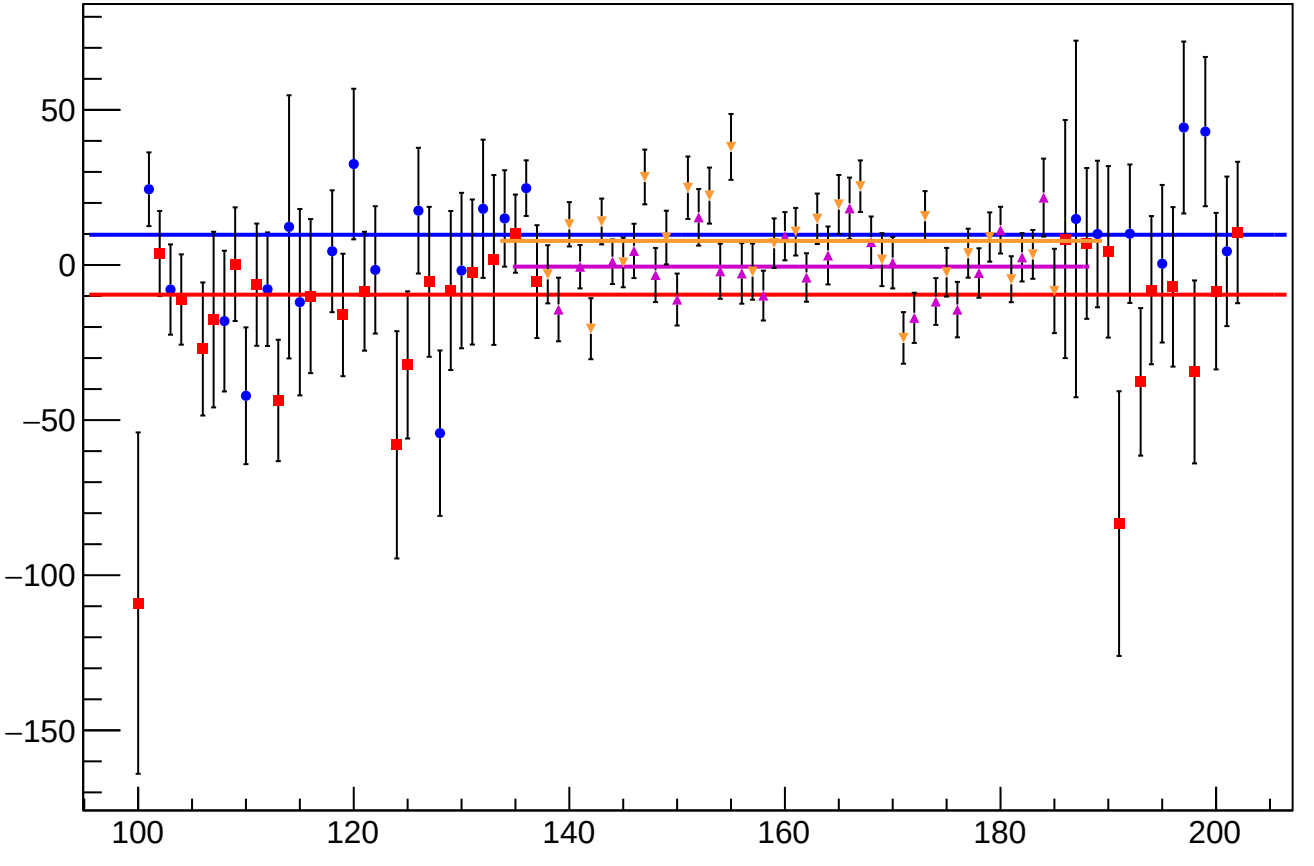
Right: 19435.497+/-2.823 χ^2/NDF: 6022075.5/51

In: 11745.315+/-1.593 χ^2/NDF:6591007.5/45

Out: 11852.874+/-1.546 χ^2/NDF:8756645.0/53

All: 11800.708+/-1.109 χ^2/NDF: 15350000.9

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 9.744+/-4.032 χ^2/NDF: 25.6/22

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -9.567+/-4.048 χ^2/NDF: 20.7/28

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

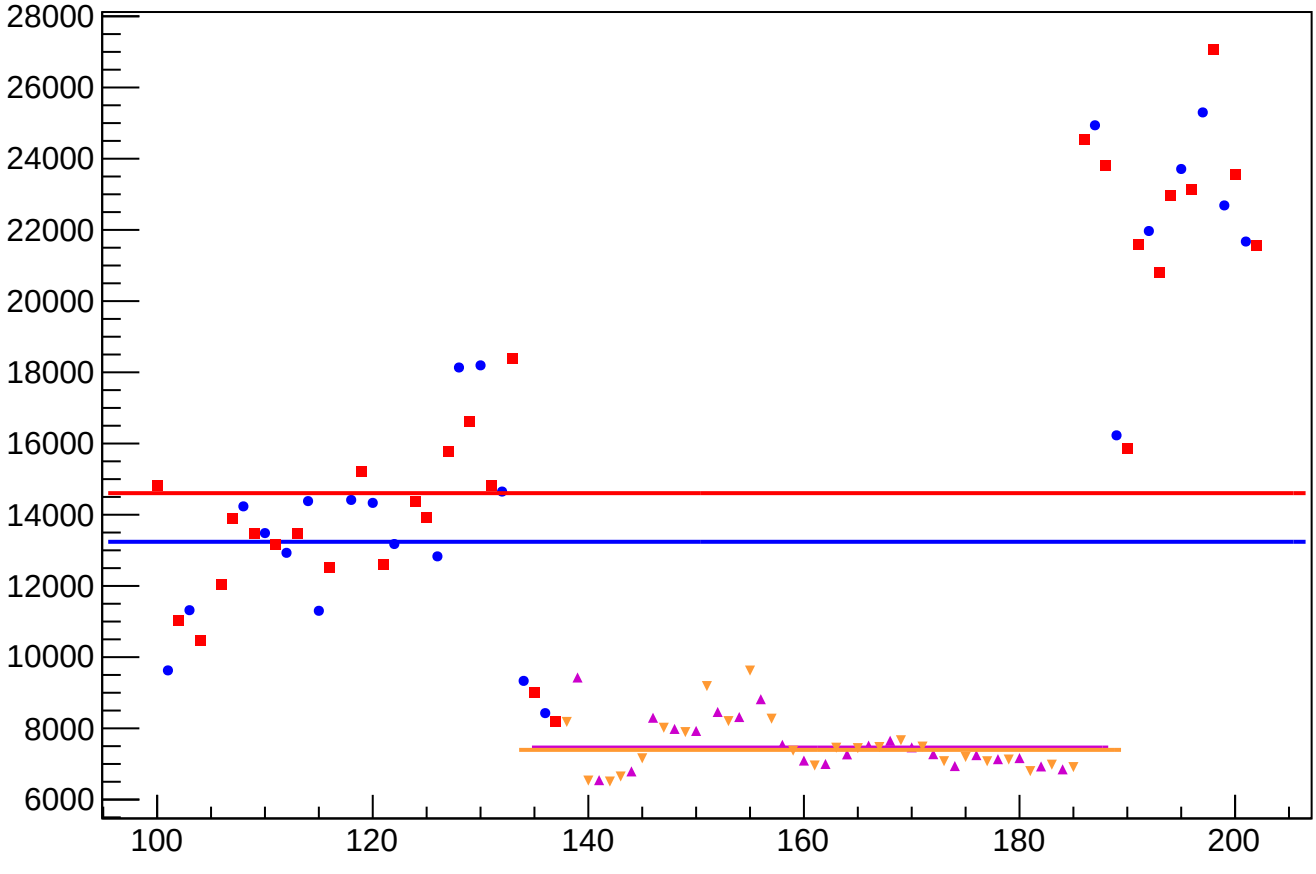
Right: 0.128+/-2.857 χ^2/NDF: 57.7/51

In: 1.100+/-1.607 χ^2/NDF:60.5/45

Out: 5.187+/-1.561 χ^2/NDF:97.2/53

All: 3.203+/-1.120 χ^2/NDF: 161.1/99

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 13240.064+/-2.851 χ^2/NDF: 2794395.6/22

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14606.192+/-2.863 χ^2/NDF: 2968057.9/28

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

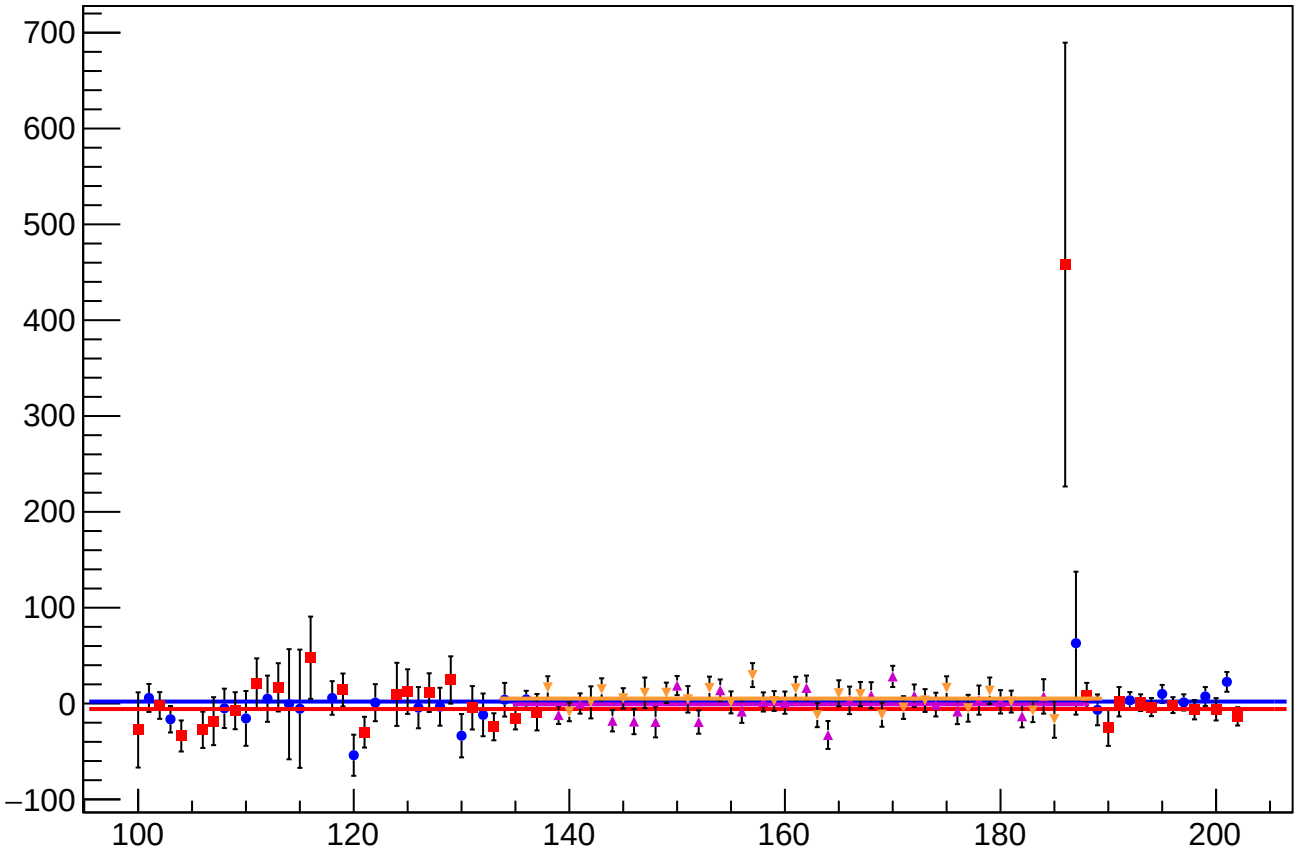
Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

Right: 13920.310+/-2.020 χ^2/NDF: 5876806.4/51

In: 8378.846+/-1.136 χ^2/NDF:6535481.1/45

Out: 8467.399+/-1.104 χ^2/NDF:8694539.8/53

All: 8424.410+/-0.792 χ^2/NDF: 15233146.5/9



Right In: 2.045+/-3.006 χ^2/NDF: 18.3/22

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -5.744+/-2.761 χ^2/NDF: 25.3/28

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

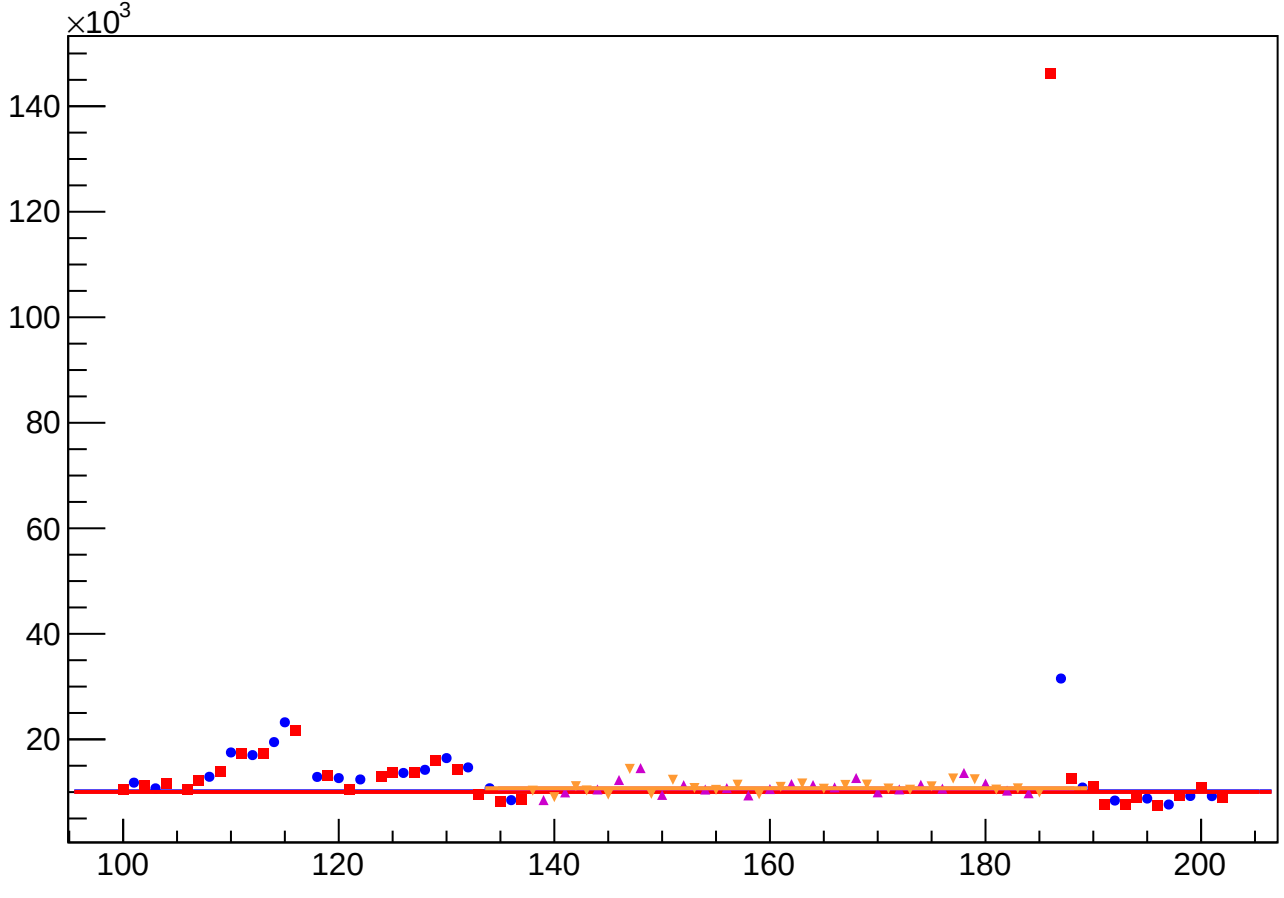
Right: -2.180+/-2.033 χ^2/NDF: 47.3/51

In: 0.320+/-1.931 χ^2/NDF:50.7/45

Out: 0.347+/-1.836 χ^2/NDF:52.4/53

All: 0.334+/-1.330 χ^2/NDF: 103.1/99

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 10151.384+/-2.126 χ^2/NDF: 1550523.6/22

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10030.972+/-1.952 χ^2/NDF: 2287558.1/28

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

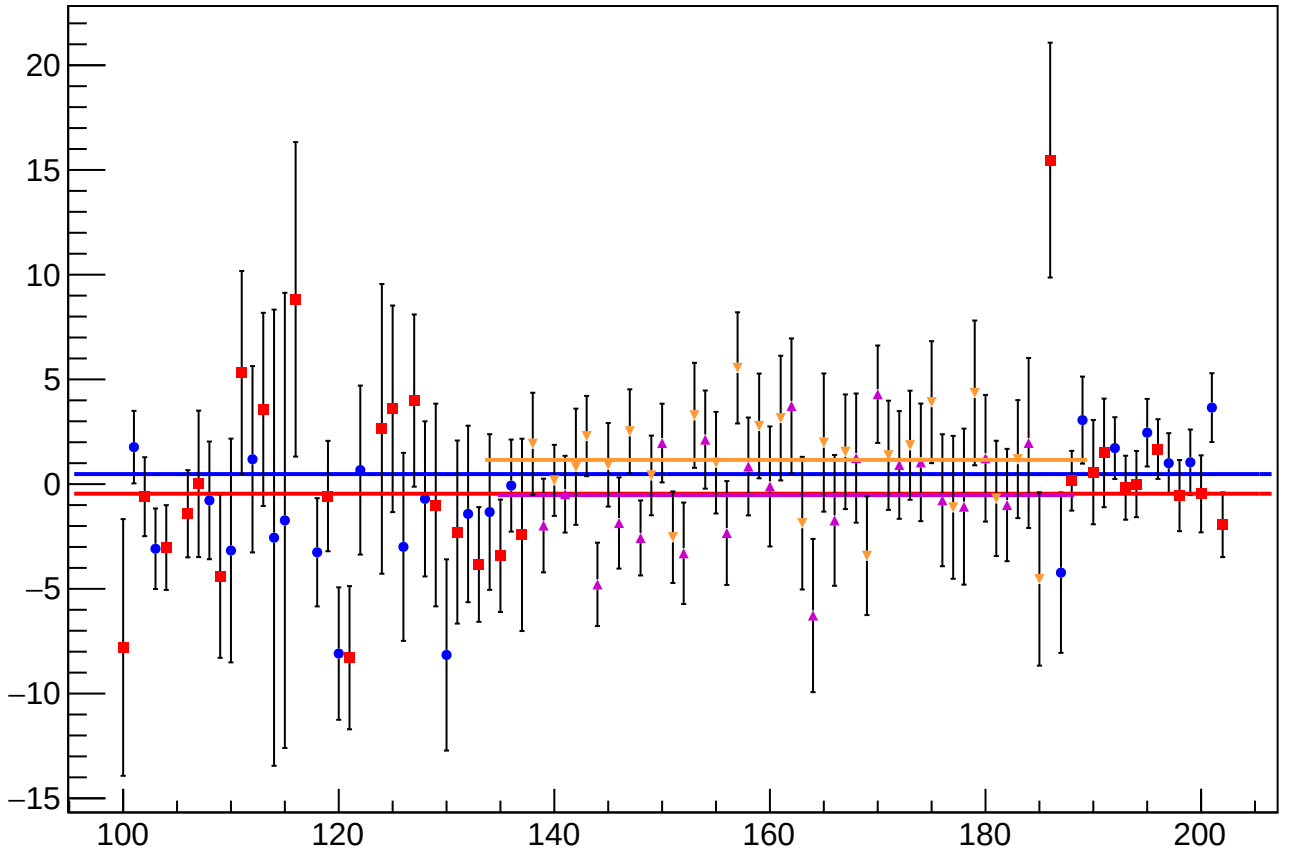
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10086.066+/-1.438 χ^2/NDF: 3839822.2/51

In: 10460.323+/-1.365 χ^2/NDF:2087044.6/45

Out: 10422.886+/-1.298 χ^2/NDF:2728102.2/53

All: 10440.667+/-0.941 χ^2/NDF: 4815541.6/9



Right In: 0.479+/-0.496 χ^2/NDF: 28.3/22

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.458+/-0.446 χ^2/NDF: 30.7/28

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

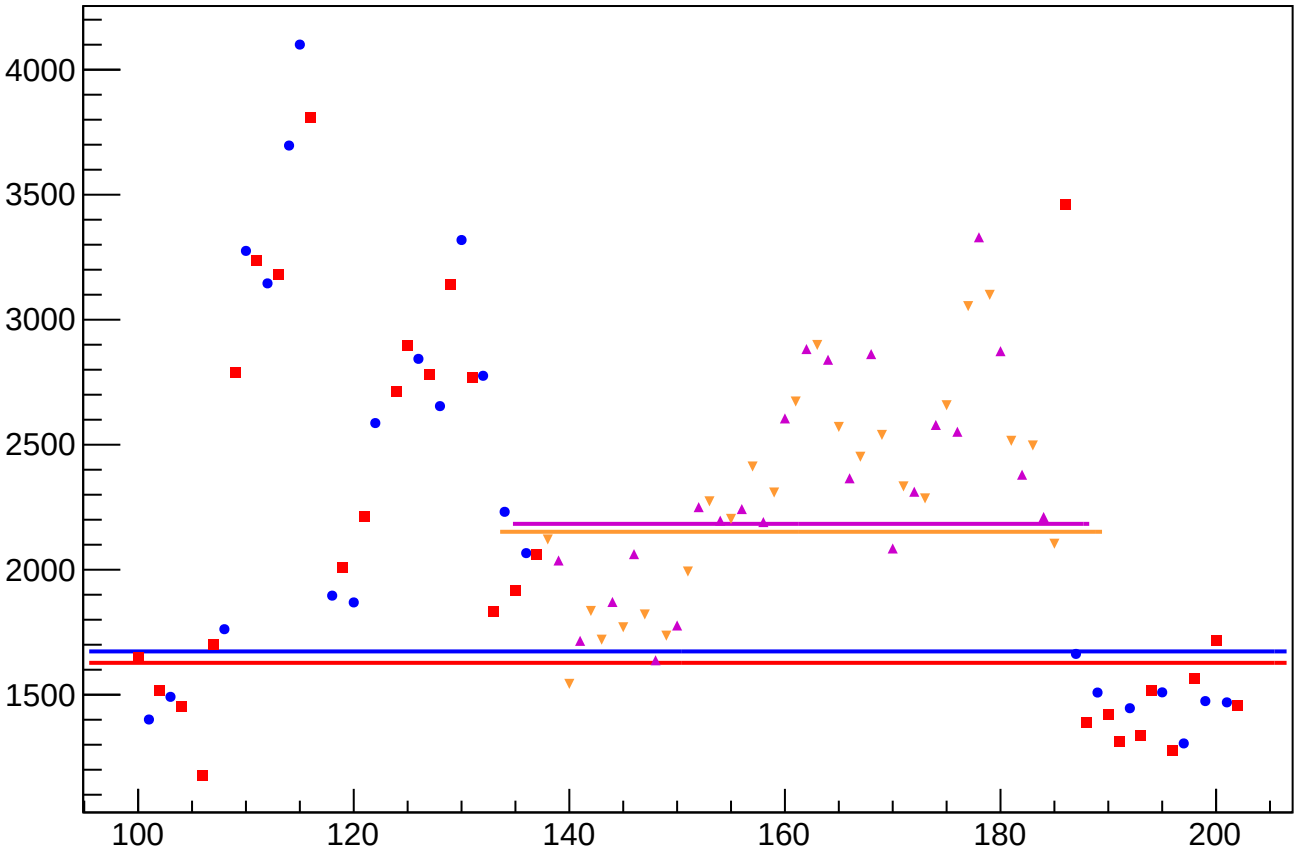
Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

Right: -0.039+/-0.332 χ^2/NDF: 61.0/51

In: 0.002+/-0.359 χ^2/NDF:52.5/45

Out: 0.258+/-0.333 χ^2/NDF:53.4/53

All: 0.140+/-0.244 χ^2/NDF: 106.1/99



Right In: 1673.229+/-0.351 χ^2/NDF: 1819556.3/22

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1627.547+/-0.316 χ^2/NDF: 2281571.7/28

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

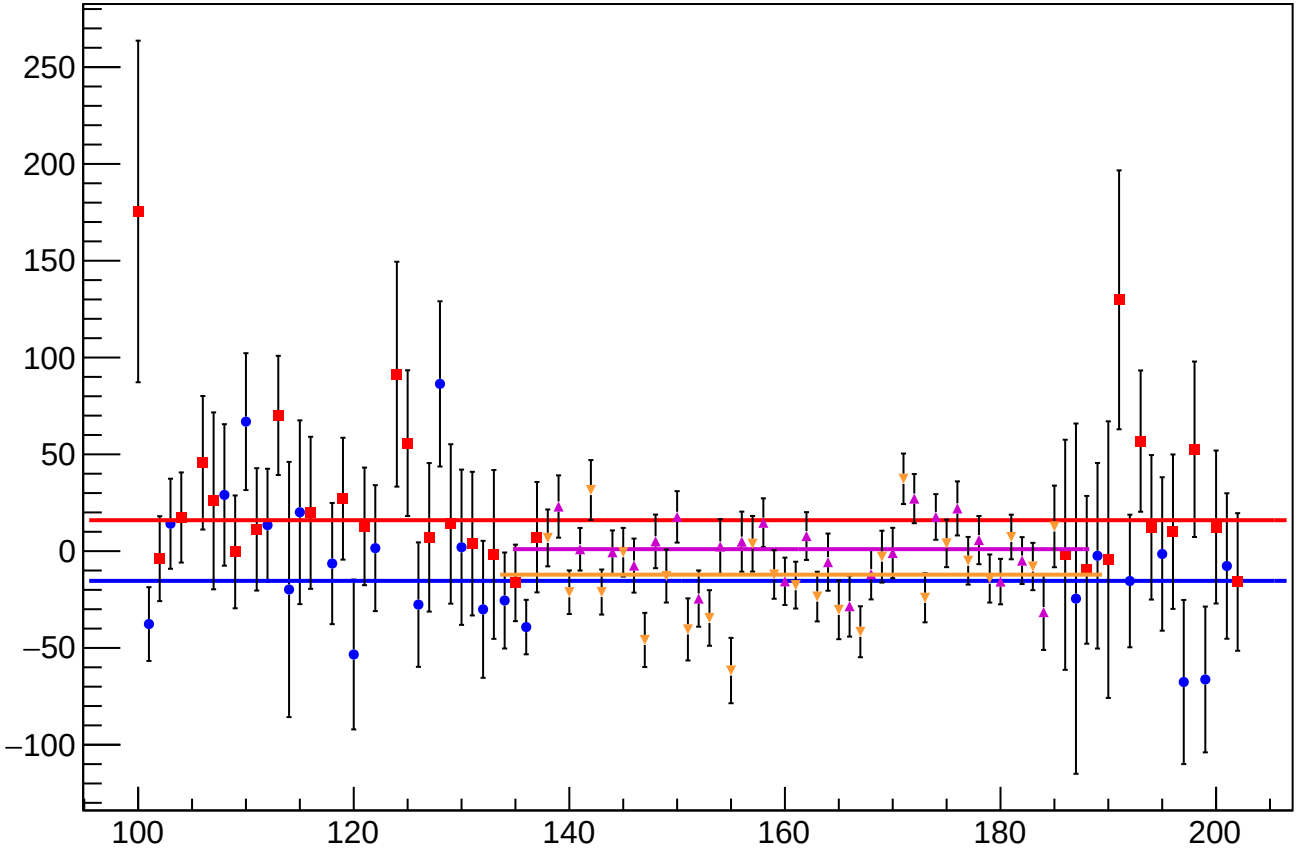
Right: 1647.966+/-0.235 χ^2/NDF: 4110494.1/51

In: 1916.593+/-0.254 χ^2/NDF:3989602.6/45

Out: 1859.927+/-0.235 χ^2/NDF:4854286.5/53

All: 1886.131+/-0.173 χ^2/NDF: 8870671.2/99

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -15.350+/-6.419 χ^2/NDF: 25.6/22

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 15.975+/-6.446 χ^2/NDF: 20.6/28

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

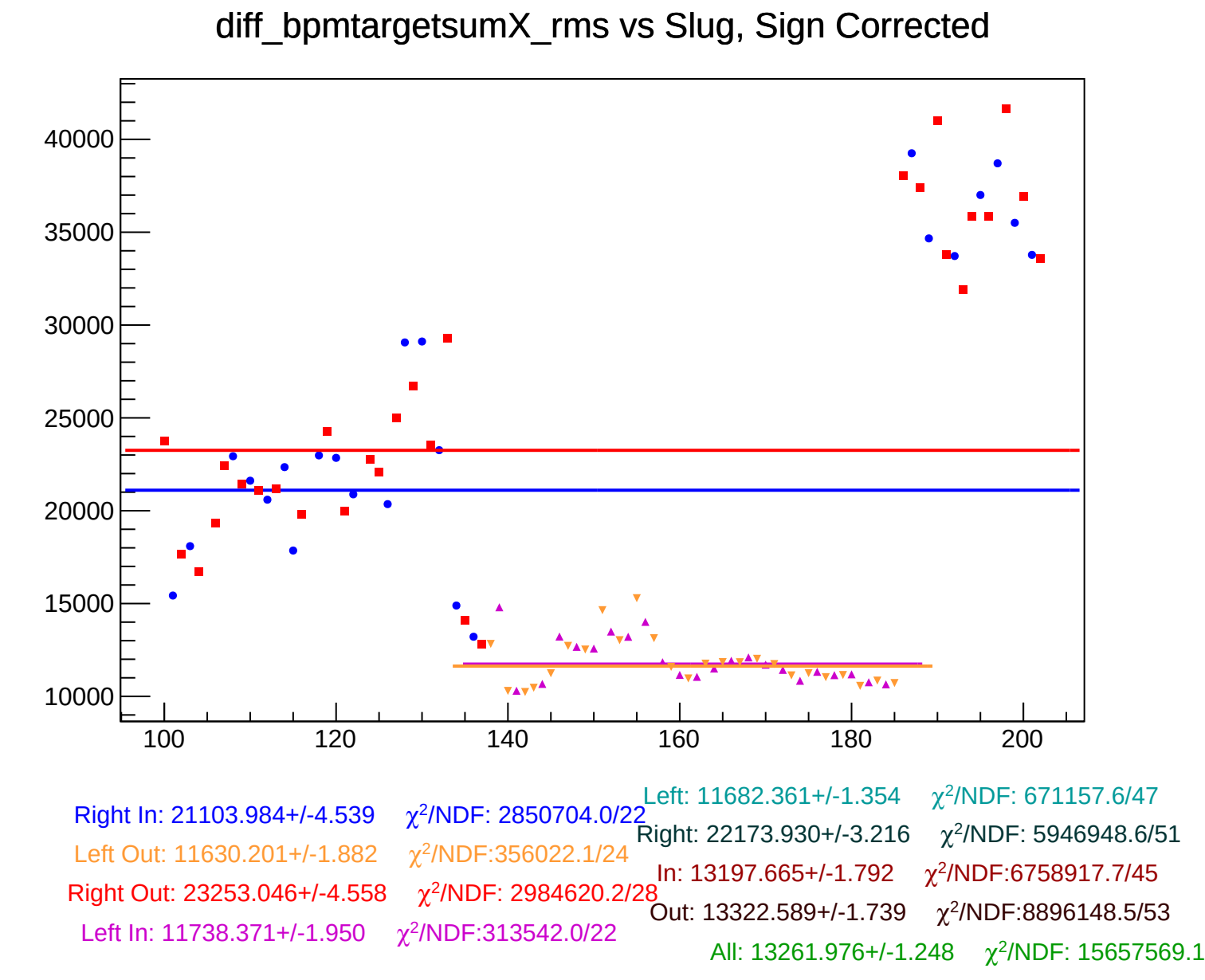
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

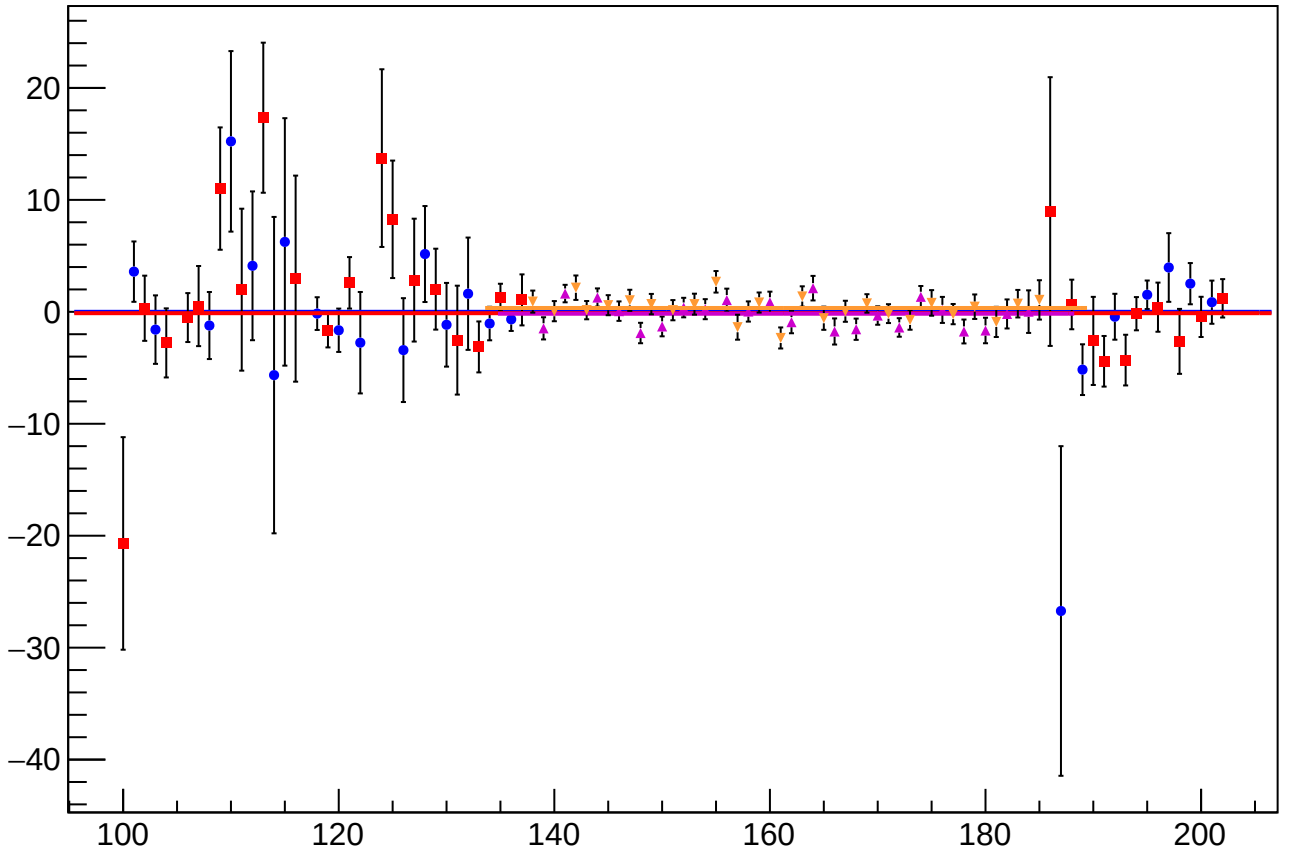
Right: 0.246+/-4.548 χ^2/NDF: 58.0/51

In: -1.527+/-2.534 χ^2/NDF:59.8/45

Out: -8.042+/-2.460 χ^2/NDF:99.5/53

All: -4.881+/-1.765 χ^2/NDF: 162.8/99


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 21103.984+/-4.539 χ²/NDF: 2850704.0/22
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23253.046+/-4.558 χ²/NDF: 2984620.2/28
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 22173.930+/-3.216 χ²/NDF: 5946948.6/51
In: 13197.665+/-1.792 χ²/NDF:6758917.7/45
Out: 13322.589+/-1.739 χ²/NDF:8896148.5/53
All: 13261.976+/-1.248 χ²/NDF: 15657569.1



Right In: 0.001+/-0.471 χ^2/NDF: 24.5/22

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.121+/-0.467 χ^2/NDF: 38.5/28

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

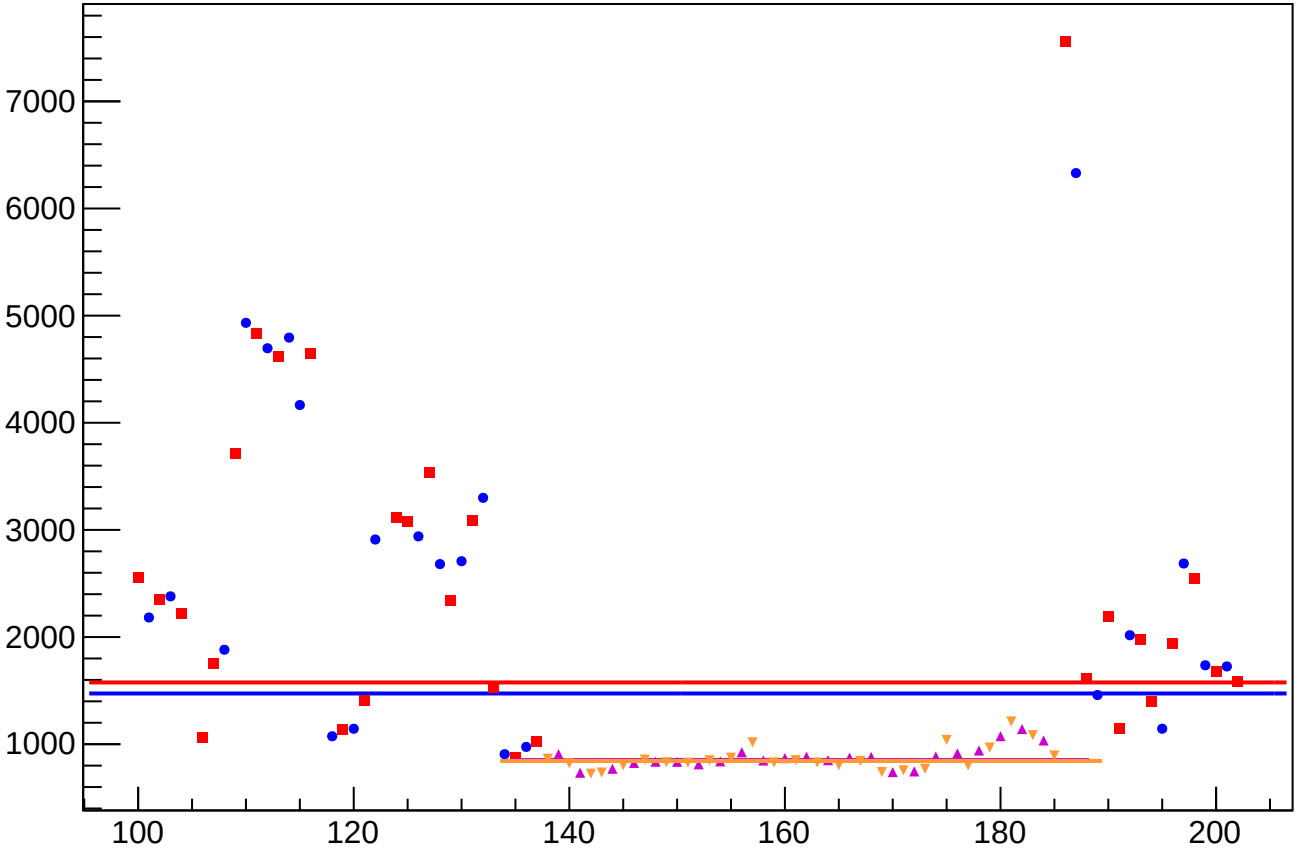
Right: -0.061+/-0.332 χ^2/NDF: 63.1/51

In: -0.140+/-0.185 χ^2/NDF:61.0/45

Out: 0.275+/-0.179 χ^2/NDF:66.1/53

All: 0.074+/-0.129 χ^2/NDF: 129.7/99

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1473.386+/-0.333 χ^2/NDF: 4295632.2/22

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1576.283+/-0.330 χ^2/NDF: 4437638.3/28

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

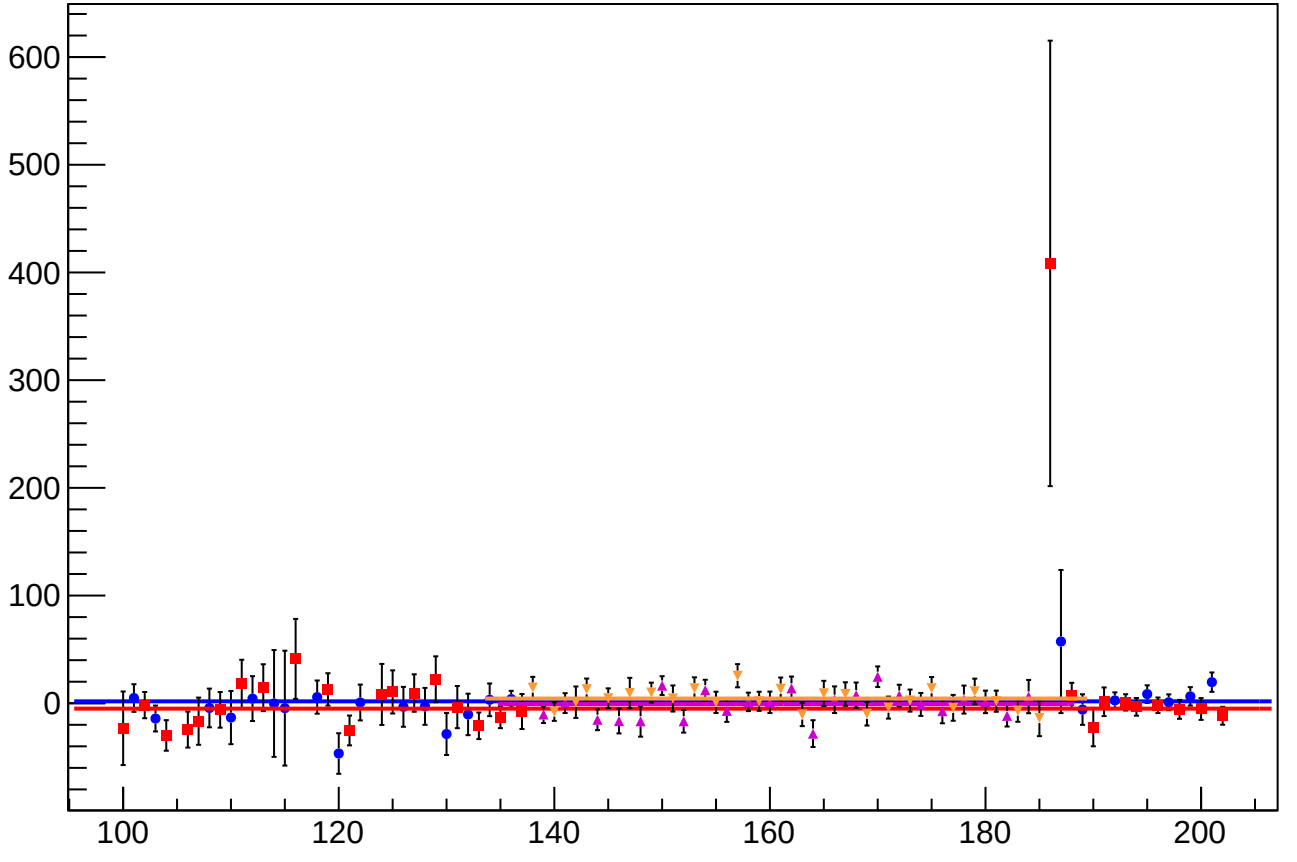
Right: 1525.319+/-0.235 χ^2/NDF: 8781363.1/51

In: 947.161+/-0.131 χ^2/NDF:7622838.7/45

Out: 950.920+/-0.127 χ^2/NDF:9146655.3/53

All: 949.101+/-0.091 χ^2/NDF: 16769921.0/99

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 1.773+/-2.610 χ^2/NDF: 18.0/22

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -5.000+/-2.400 χ^2/NDF: 25.2/28

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

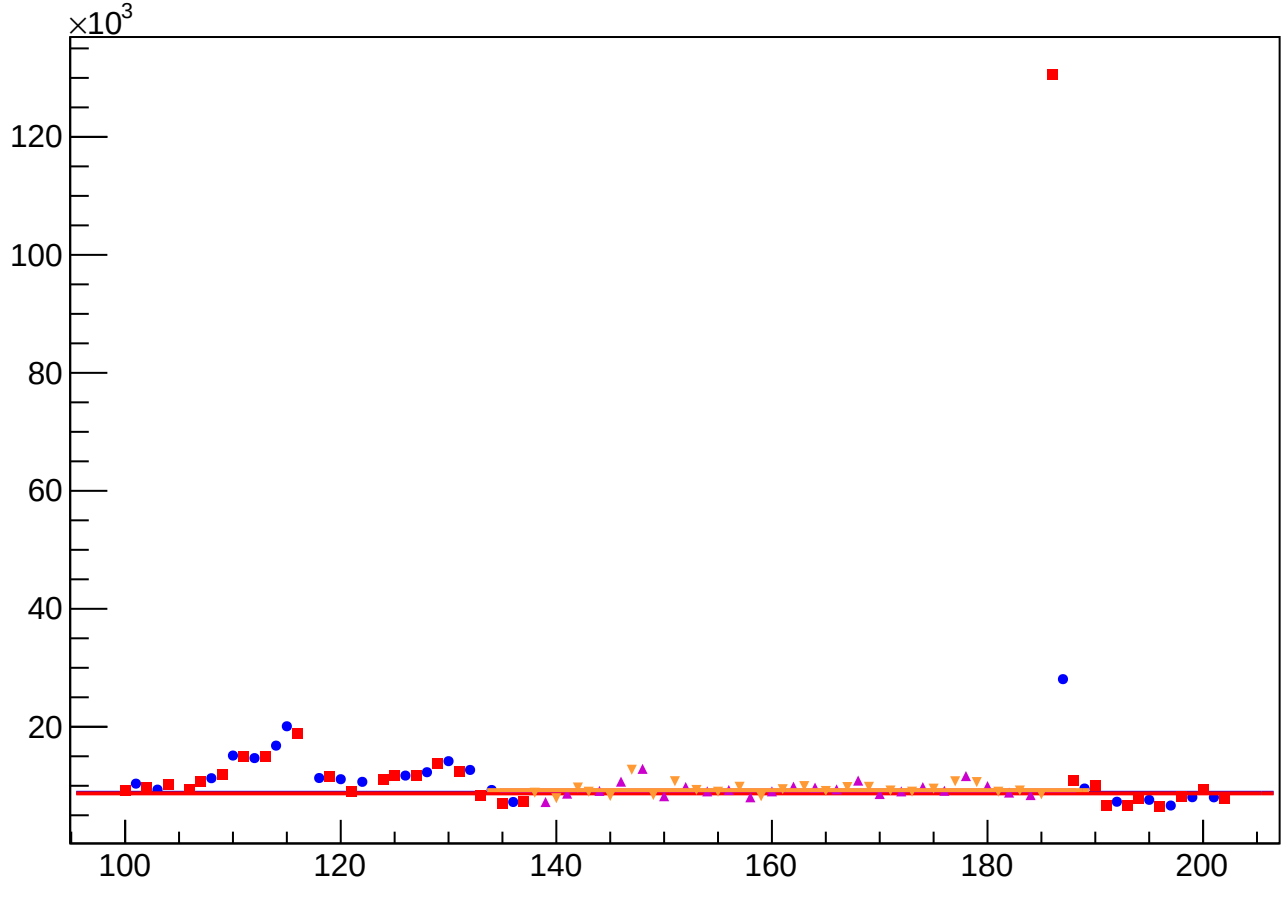
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -1.897+/-1.767 χ^2/NDF: 46.9/51

In: 0.291+/-1.669 χ^2/NDF:50.5/45

Out: 0.267+/-1.590 χ^2/NDF:52.4/53

All: 0.279+/-1.151 χ^2/NDF: 103.0/99



Right In: 8809.797+/-1.846 χ^2/NDF: 1560171.0/22

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8715.366+/-1.697 χ^2/NDF: 2292909.0/28

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

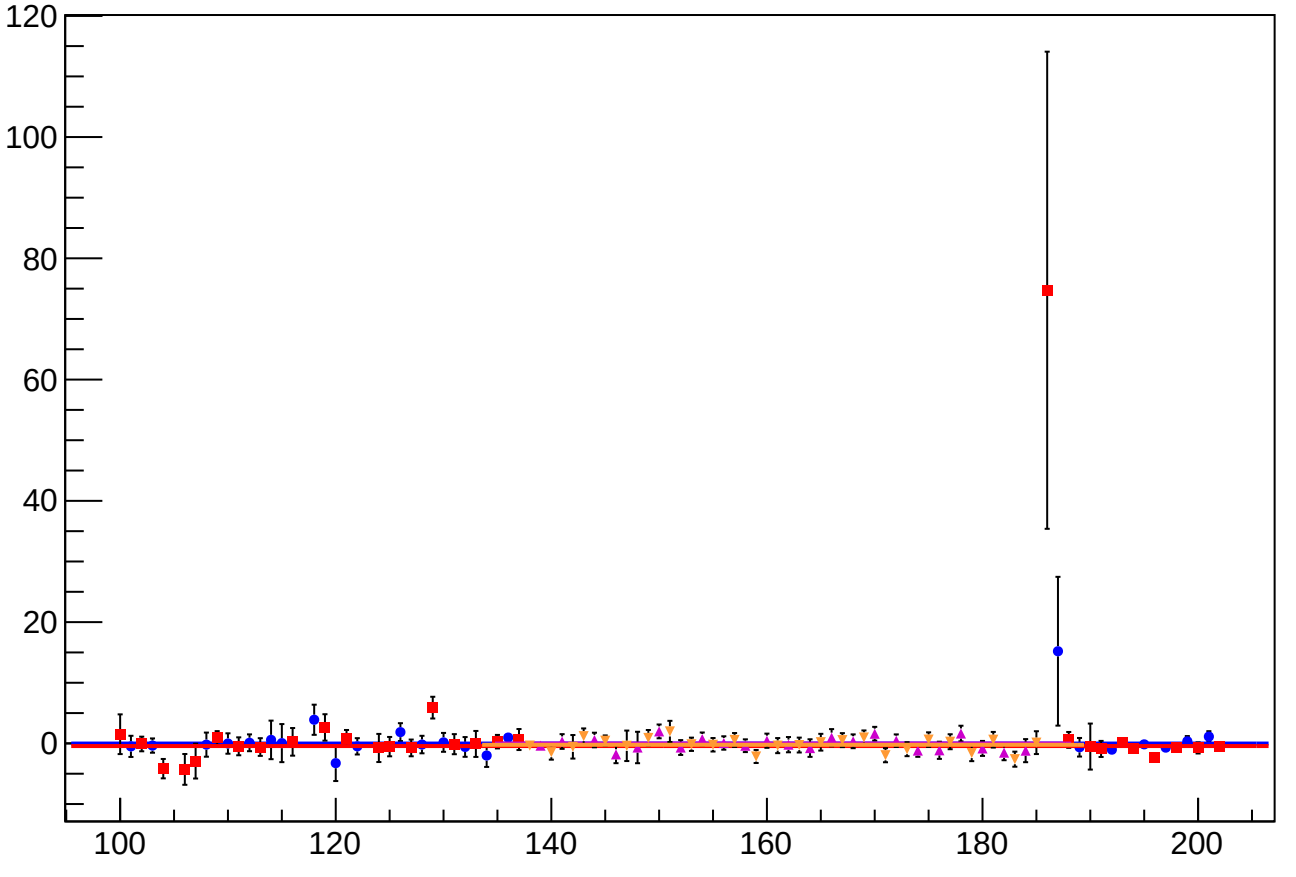
Right: 8758.630+/-1.249 χ^2/NDF: 3854498.5/51

In: 9040.196+/-1.180 χ^2/NDF:2102030.6/45

Out: 9021.958+/-1.124 χ^2/NDF:2717121.6/53

All: 9030.634+/-0.814 χ^2/NDF: 4819277.5/99

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.025+/-0.260 χ^2/NDF: 14.4/22

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.439+/-0.240 χ^2/NDF: 37.9/28

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

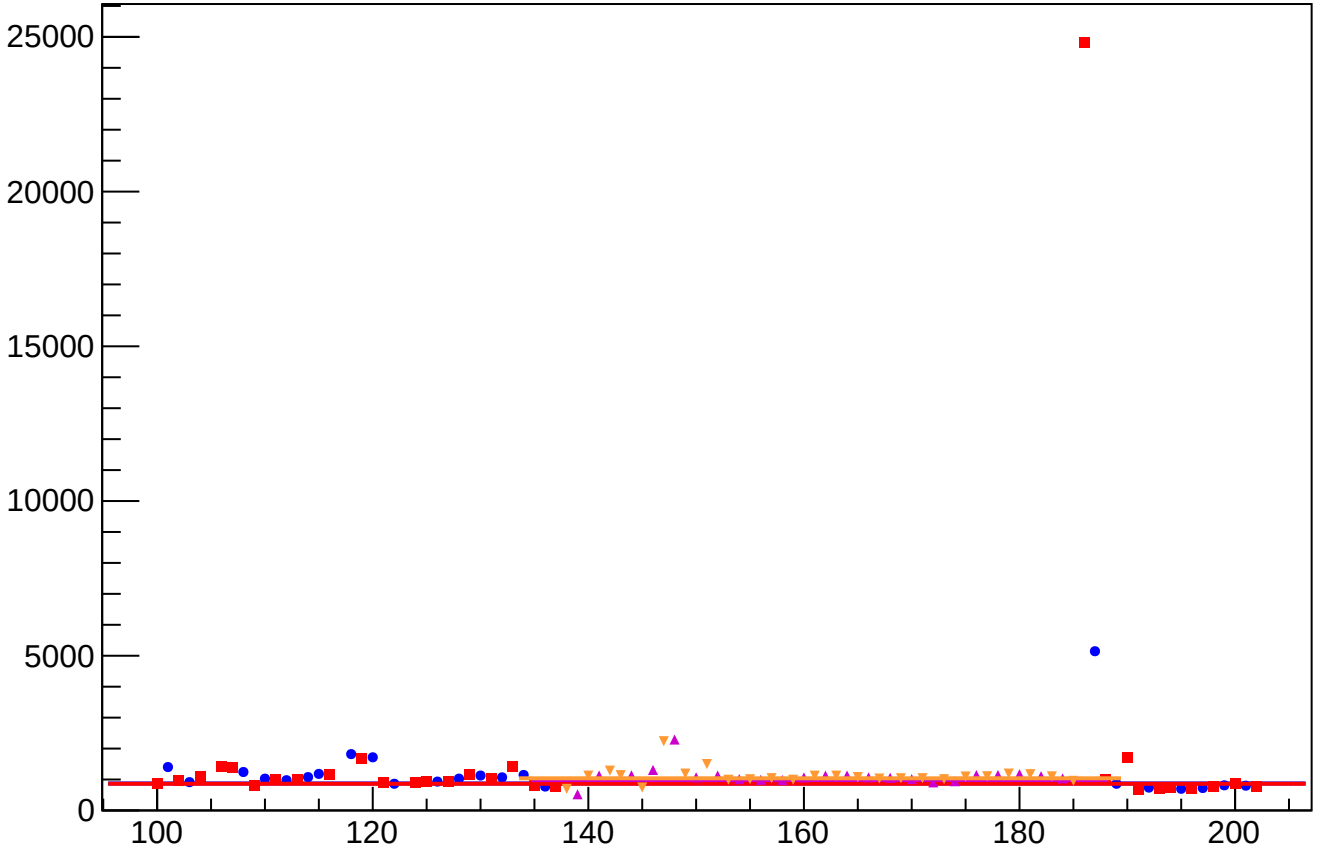
Right: -0.249+/-0.176 χ^2/NDF: 53.7/51

In: -0.025+/-0.176 χ^2/NDF:29.7/45

Out: -0.336+/-0.171 χ^2/NDF:57.2/53

All: -0.185+/-0.123 χ^2/NDF: 88.5/99

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 872.638+/-0.184 χ^2/NDF: 1449396.5/22

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 862.533+/-0.170 χ^2/NDF: 1961805.0/28

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

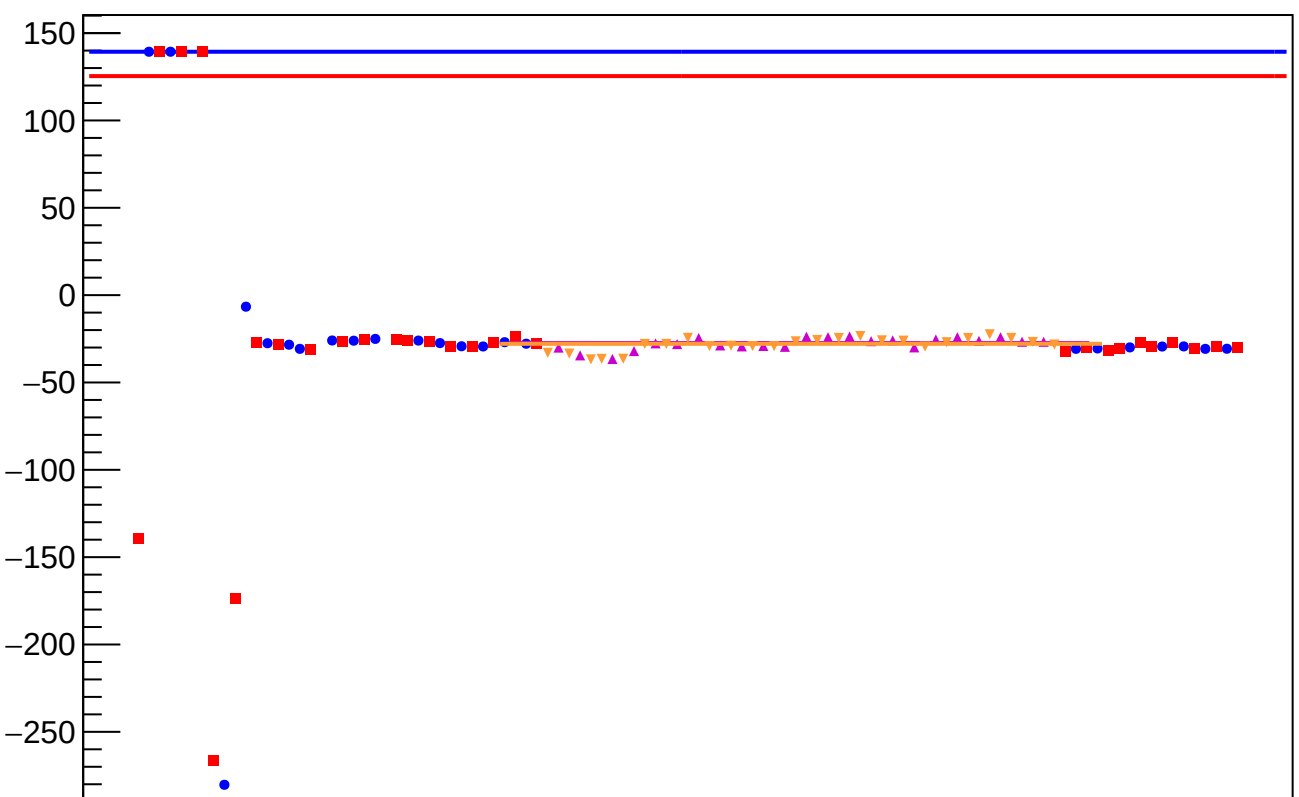
Right: 867.183+/-0.125 χ^2/NDF: 3412835.1/51

In: 931.669+/-0.124 χ^2/NDF:3865251.7/45

Out: 949.675+/-0.121 χ^2/NDF:3837459.6/53

All: 940.936+/-0.087 χ^2/NDF: 7713493.3/99

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 53822332688.6/22

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774181623426819.2/28

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

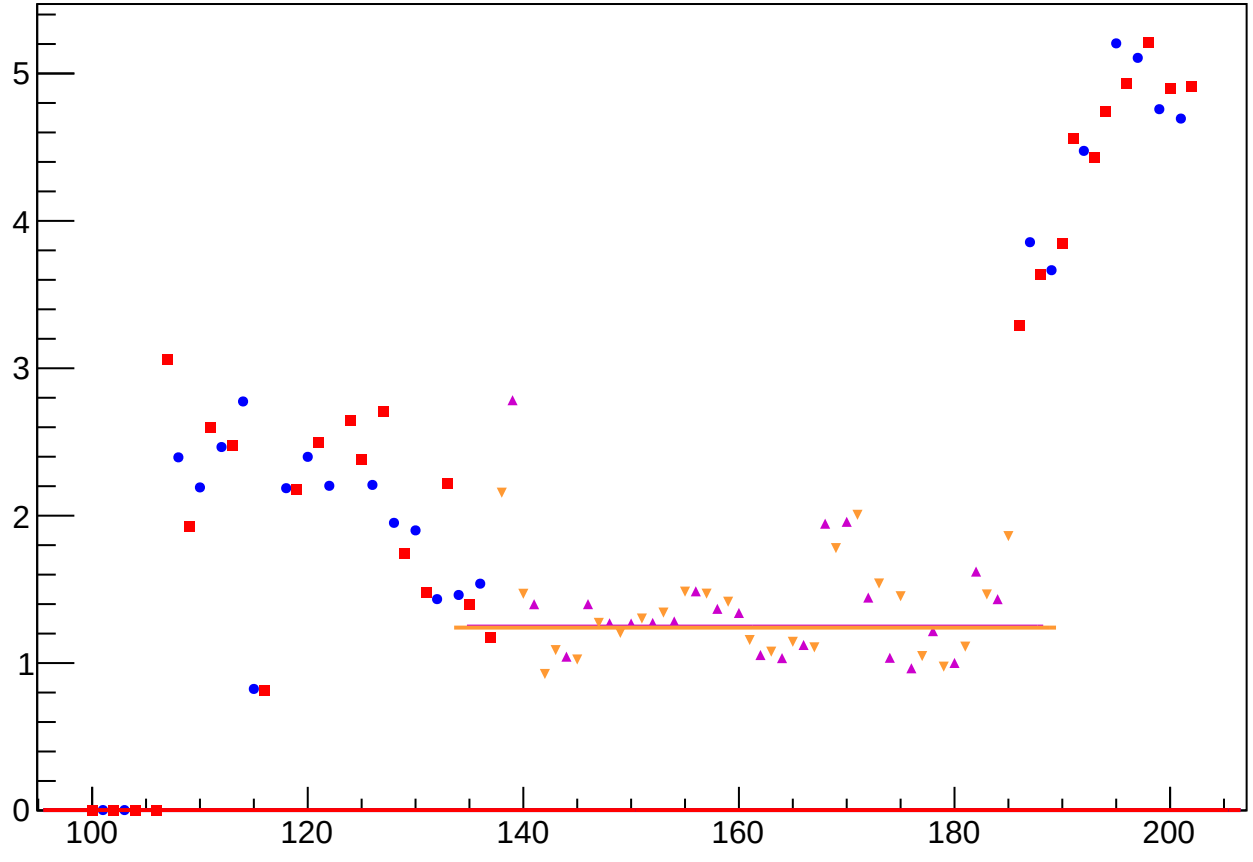
Right: 131.818+/-0.000 χ^2/NDF: 793020372004496

In: 139.328+/-0.000 χ^2/NDF:308221535939.3/45

Out: 125.384+/-0.000 χ^2/NDF:774412311819668.

All: 131.810+/-0.000 χ^2/NDF: 79350278517

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 19502227.8/22

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23528669.7/28

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

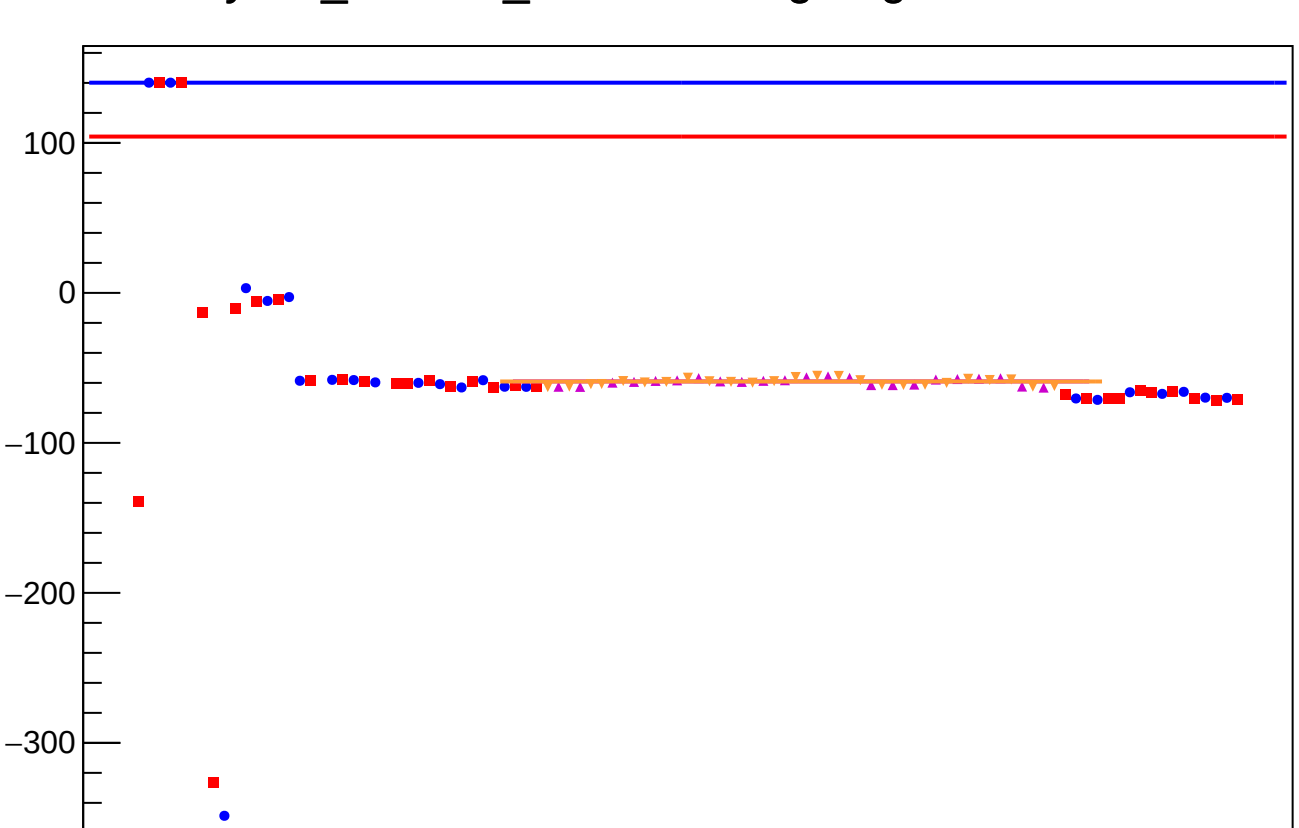
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 43031064.9/51

In: 0.003+/-0.000 χ^2/NDF:49267719.9/45

Out: 0.003+/-0.000 χ^2/NDF:54828704.1/53

All: 0.003+/-0.000 χ^2/NDF: 104096660.7/99



Right In: 140.139+/-0.000 χ^2/NDF: 341828465395.2/22

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.220+/-0.000 χ^2/NDF: 1257551201287870.8/28

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

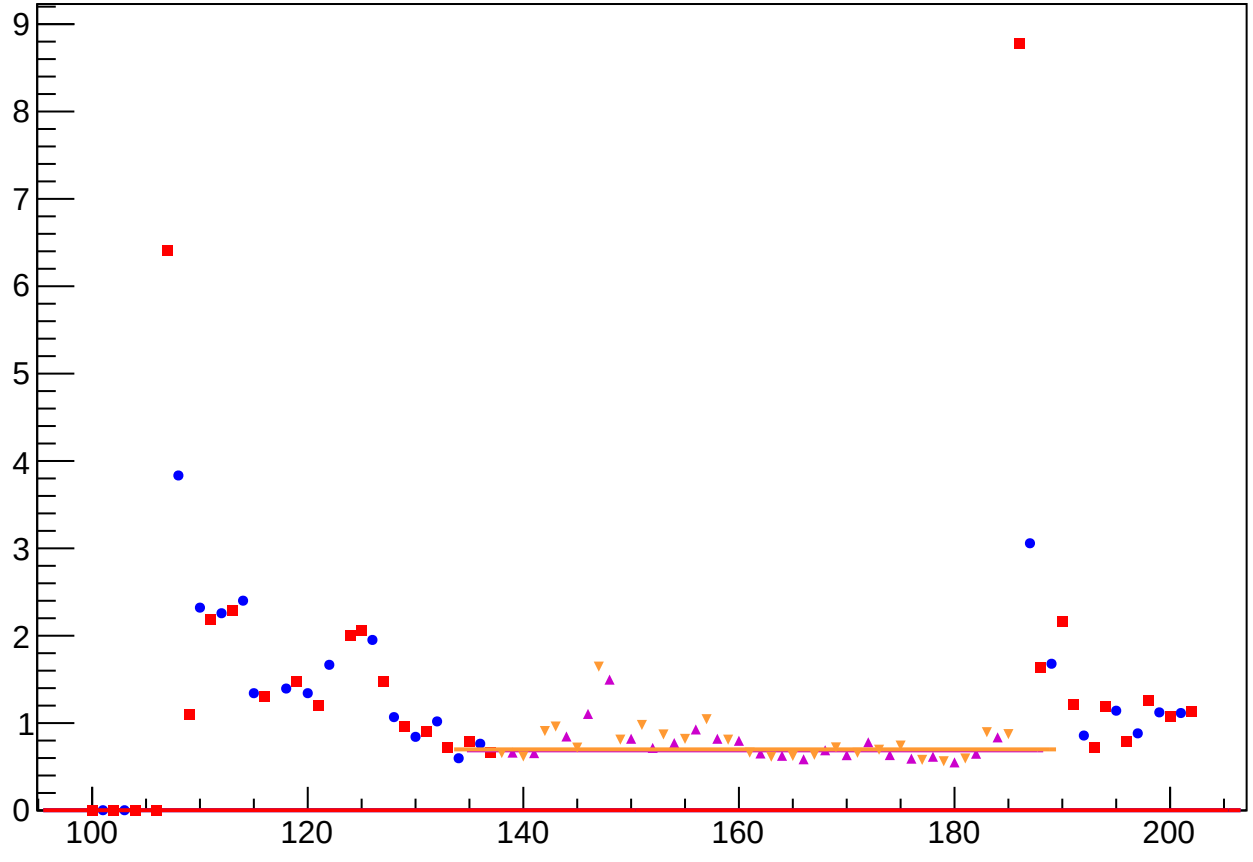
Right: 120.827+/-0.000 χ^2/NDF: 138120223693783

In: 140.103+/-0.000 χ^2/NDF:1617379478699.4/45

Out: 104.194+/-0.000 χ^2/NDF:1258422812354037

All: 120.797+/-0.000 χ^2/NDF: 13833003282

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 18560211.4/22

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 22161199.5/28

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

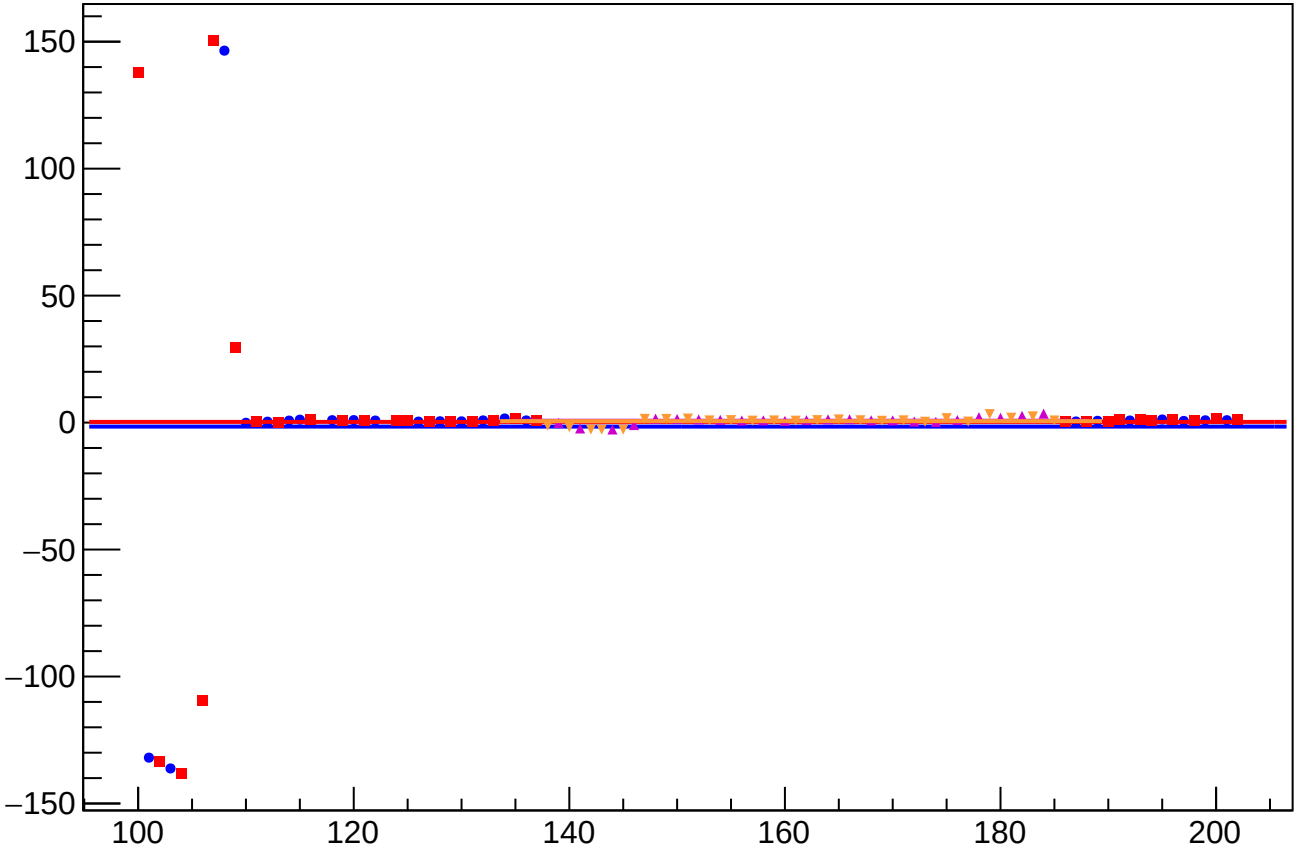
Right: 0.003+/-0.000 χ^2/NDF: 40721569.2/51

In: 0.003+/-0.000 χ^2/NDF:49865289.7/45

Out: 0.003+/-0.000 χ^2/NDF:55217127.1/53

All: 0.003+/-0.000 χ^2/NDF: 105082764.2/99

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.576+/-0.000 χ^2/NDF: 9897569500.2/22

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.272+/-0.000 χ^2/NDF: 3612691437.9/28

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

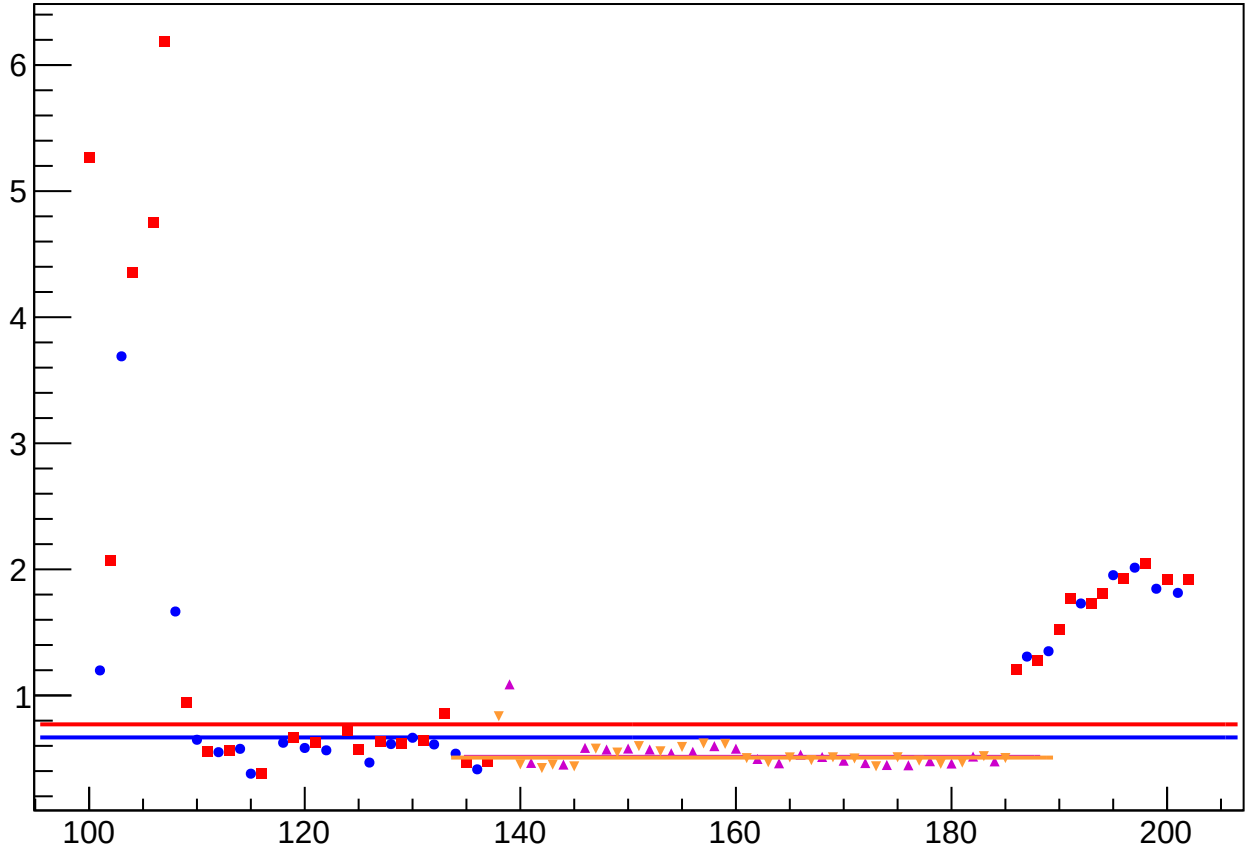
Right: -0.705+/-0.000 χ^2/NDF: 13538848581.5/51

In: 0.177+/-0.000 χ^2/NDF:10074540557.7/45

Out: 0.512+/-0.000 χ^2/NDF:3768211046.7/53

All: 0.348+/-0.000 χ^2/NDF: 13846978952.1/9

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.667+/-0.000 χ^2/NDF: 5845158.7/22

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.771+/-0.000 χ^2/NDF: 7409473.1/28

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

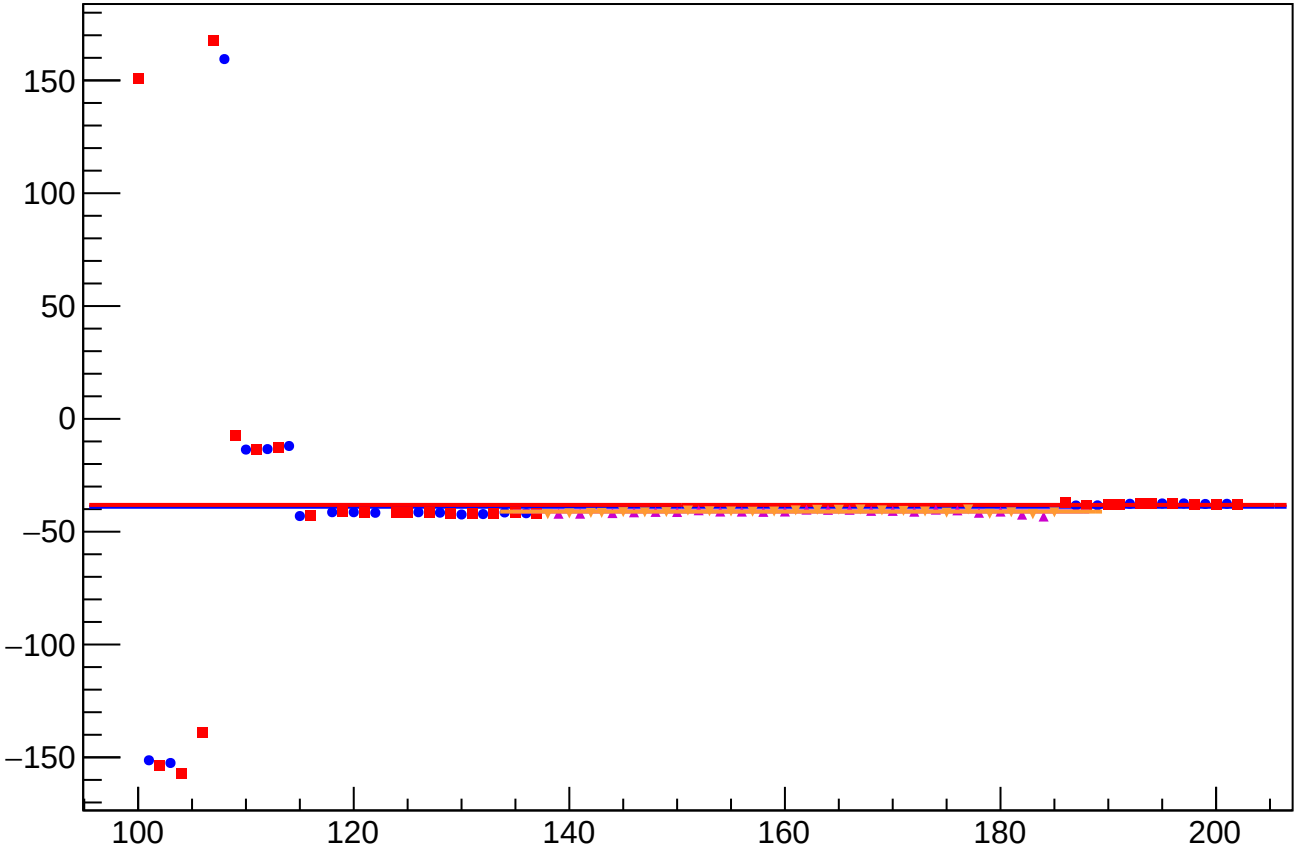
Right: 0.716+/-0.000 χ^2/NDF: 13434464.5/51

In: 0.550+/-0.000 χ^2/NDF:7239035.5/45

Out: 0.561+/-0.000 χ^2/NDF:9710497.3/53

All: 0.556+/-0.000 χ^2/NDF: 16959612.5/99

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.944+/-0.000 χ^2/NDF: 3577357390.0/22

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.124+/-0.000 χ^2/NDF: 2508405955.3/28

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

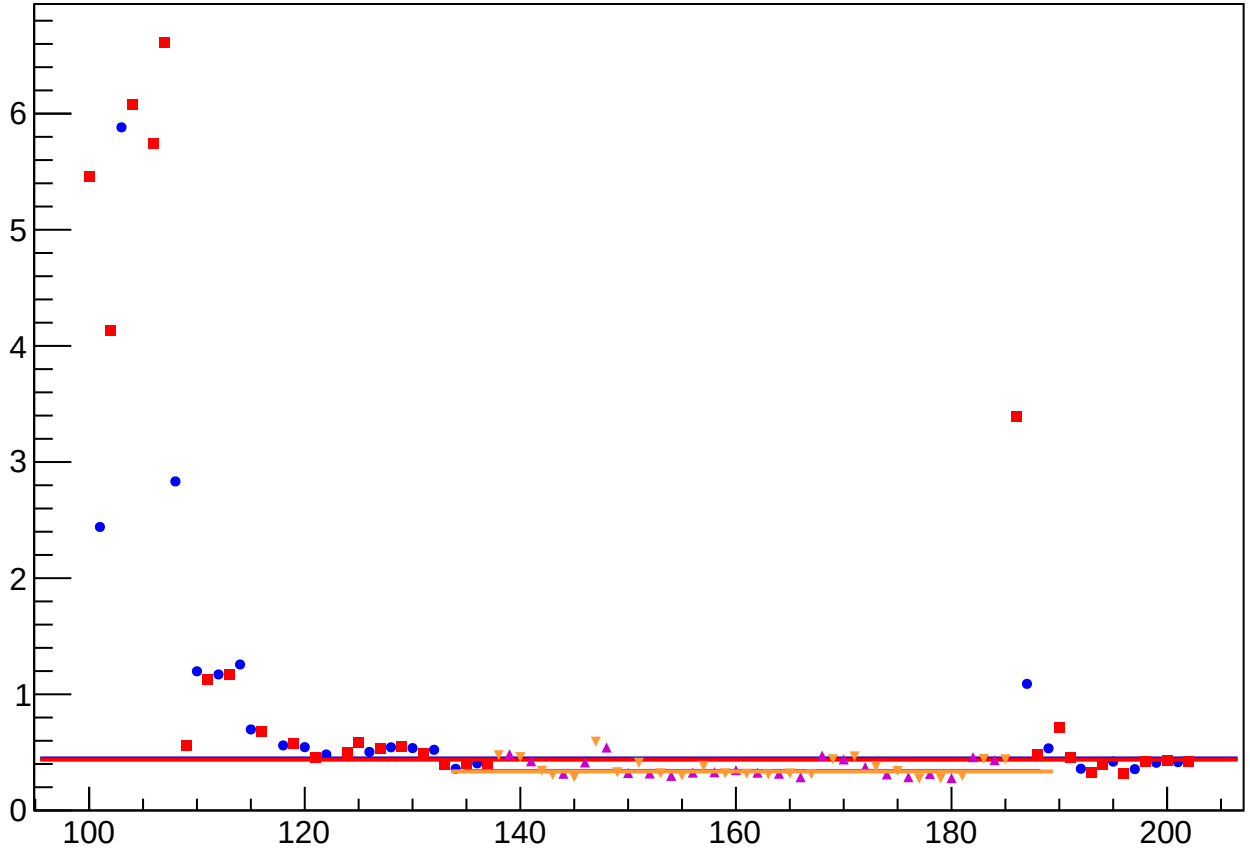
Right: -38.495+/-0.000 χ^2/NDF: 6103120289.1/51

In: -40.518+/-0.000 χ^2/NDF:3783356422.4/45

Out: -40.303+/-0.000 χ^2/NDF:2937659524.1/53

All: -40.405+/-0.000 χ^2/NDF: 6725726887.4/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.448+/-0.000 χ^2/NDF: 3542681.2/22

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.437+/-0.000 χ^2/NDF: 4609200.8/28

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

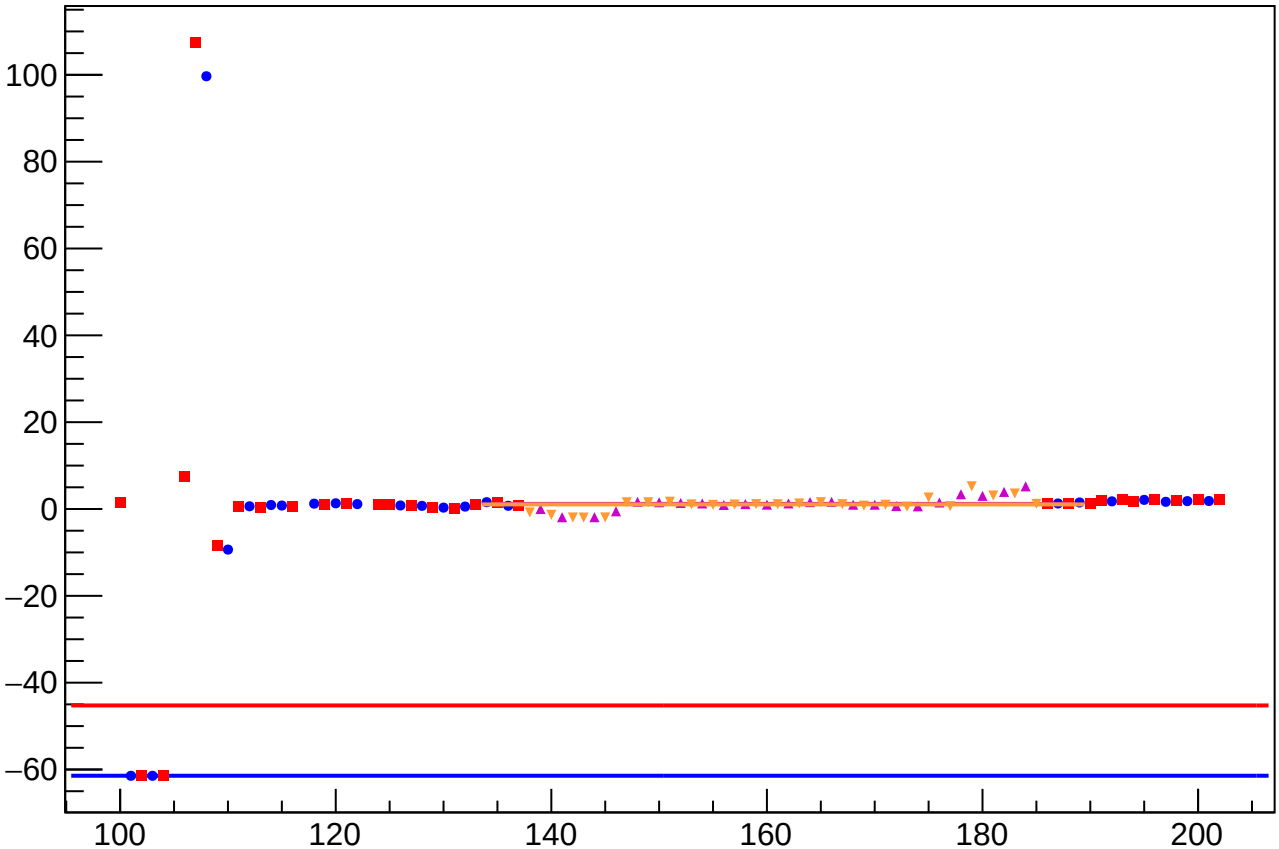
Right: 0.442+/-0.000 χ^2/NDF: 8157238.5/51

In: 0.367+/-0.000 χ^2/NDF:5428723.1/45

Out: 0.363+/-0.000 χ^2/NDF:6715695.3/53

All: 0.365+/-0.000 χ^2/NDF: 12147398.7/99

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 281996379084.7/22

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 3578774602778 82.8/28

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

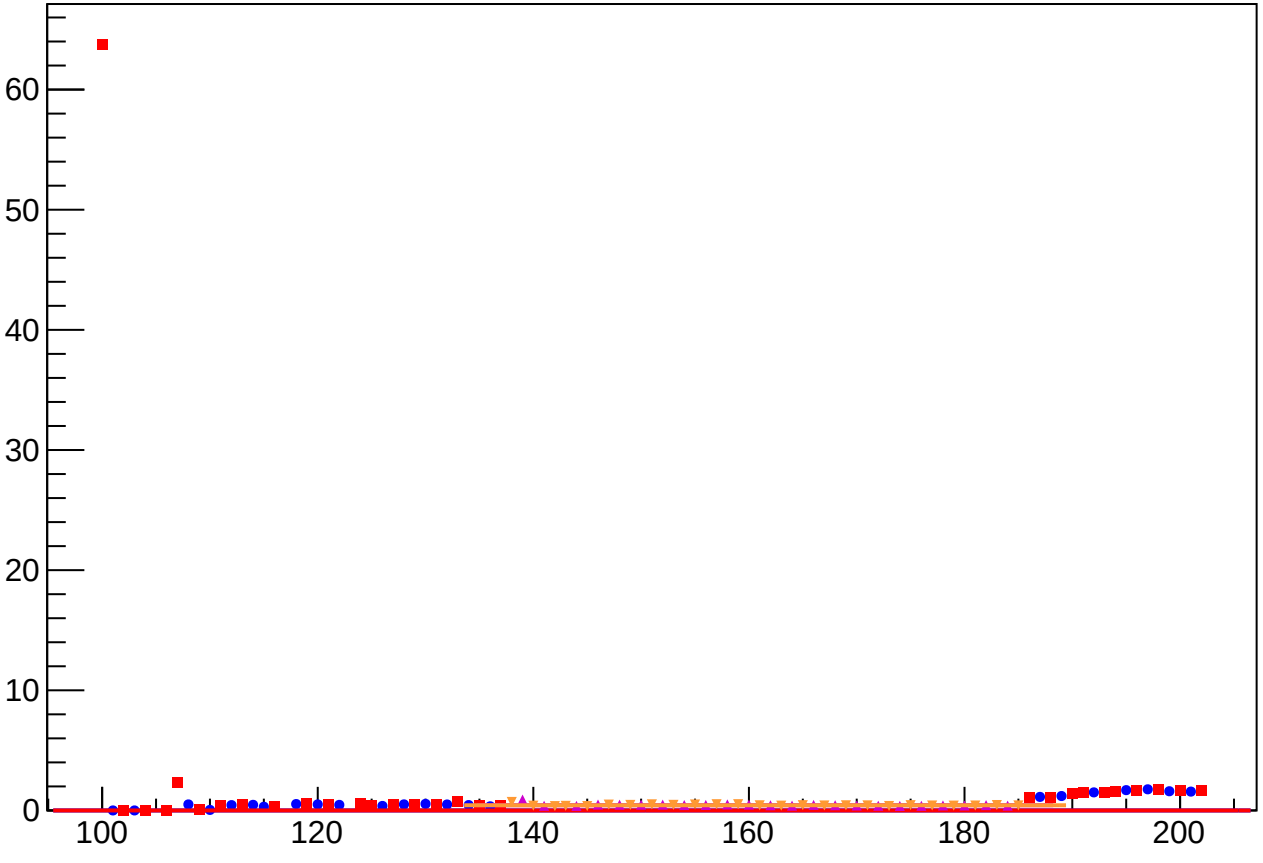
Right: -52.749+/-0.000 χ^2/NDF: 409137833703928

In: -61.422+/-0.000 χ^2/NDF:584859807393.0/45

Out: -45.235+/-0.000 χ^2/NDF:358058741788383.3

All: -52.738+/-0.000 χ^2/NDF: 409607244102

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 19064762.4/22

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 23135205.4/28

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

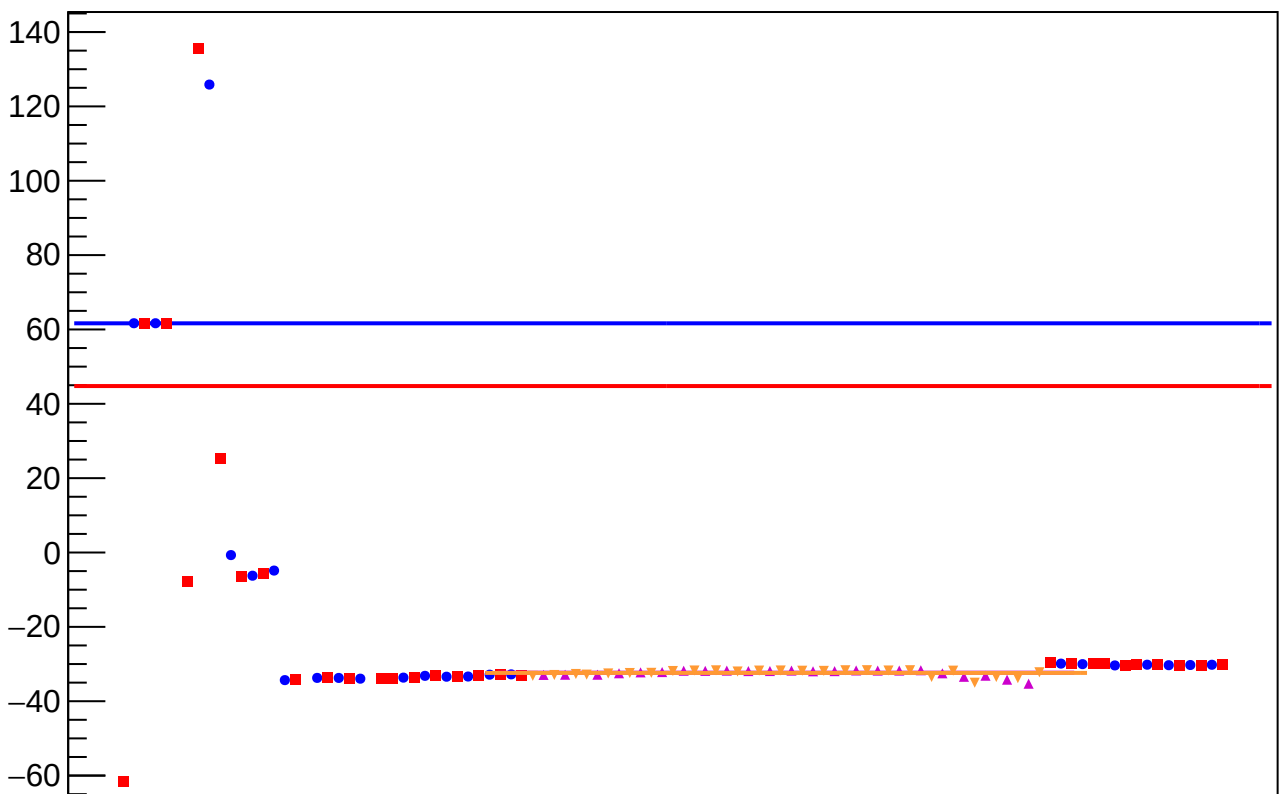
Right: 0.001+/-0.000 χ^2/NDF: 42199967.8/51

In: 0.002+/-0.000 χ^2/NDF:49205725.8/45

Out: 0.002+/-0.000 χ^2/NDF:54900694.3/53

All: 0.002+/-0.000 χ^2/NDF: 104106437.4/99

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.650+/-0.000 χ^2/NDF: 738308273174.2/22

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.774+/-0.000 χ^2/NDF: 3664144566413 97.7/28

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

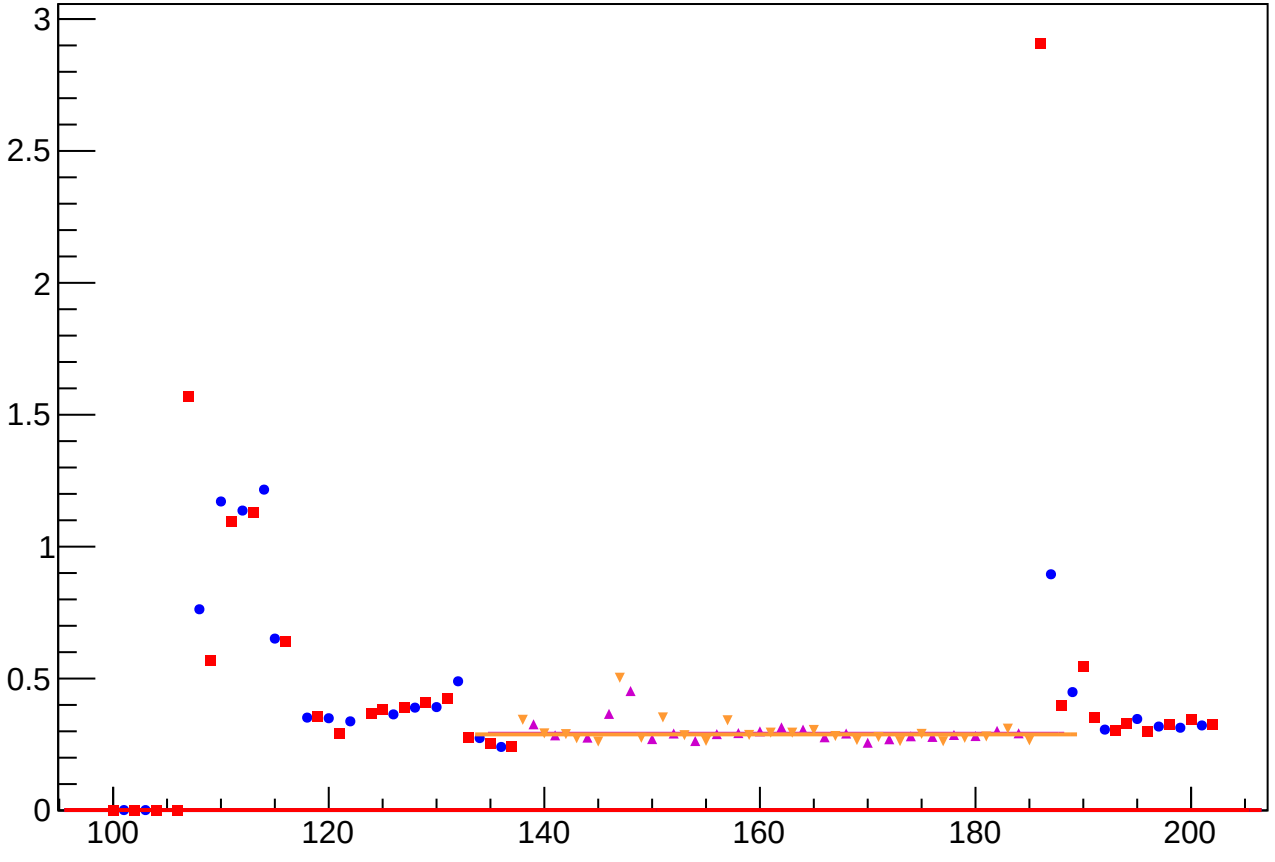
Right: 52.677+/-0.000 χ^2/NDF: 418259060938510.8

In: 61.593+/-0.000 χ^2/NDF:2561725631675.2/45

Out: 44.730+/-0.000 χ^2/NDF:367732671111873.6

All: 52.627+/-0.000 χ^2/NDF: 421352931637

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 20676457.9/22

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 24044086.9/28

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

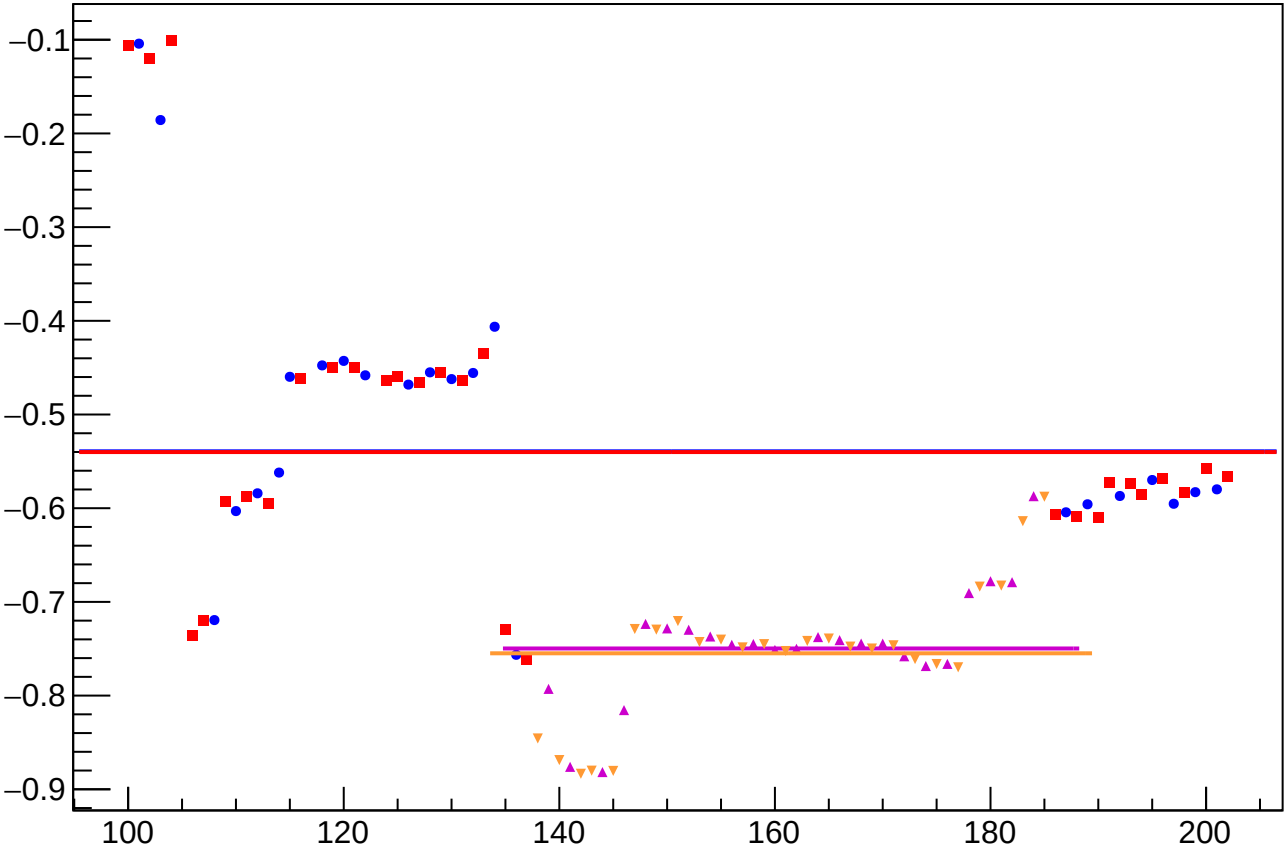
Right: 0.002+/-0.000 χ^2/NDF: 44720787.6/51

In: 0.002+/-0.000 χ^2/NDF:55576689.9/45

Out: 0.002+/-0.000 χ^2/NDF:60992898.7/53

All: 0.002+/-0.000 χ^2/NDF: 116569667.8/99

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.539+/-0.000 χ^2/NDF: 303537341.7/22

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.540+/-0.000 χ^2/NDF: 218980189.8/28

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

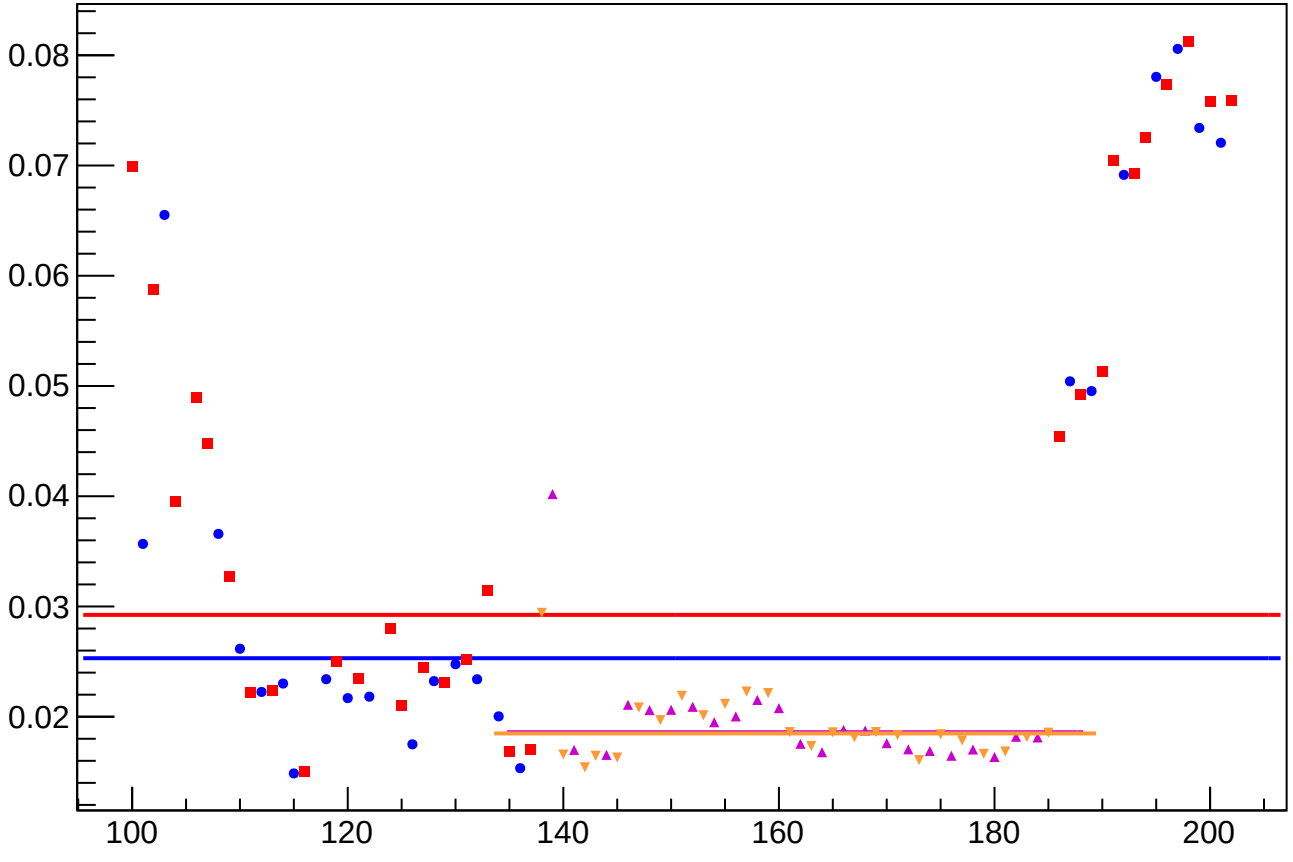
Right: -0.540+/-0.000 χ^2/NDF: 522521091.8/51

In: -0.701+/-0.000 χ^2/NDF:876642611.8/45

Out: -0.711+/-0.000 χ^2/NDF:859067601.6/53

All: -0.706+/-0.000 χ^2/NDF: 1738519910.7/9

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 5550287.8/22

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6363776.5/28

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

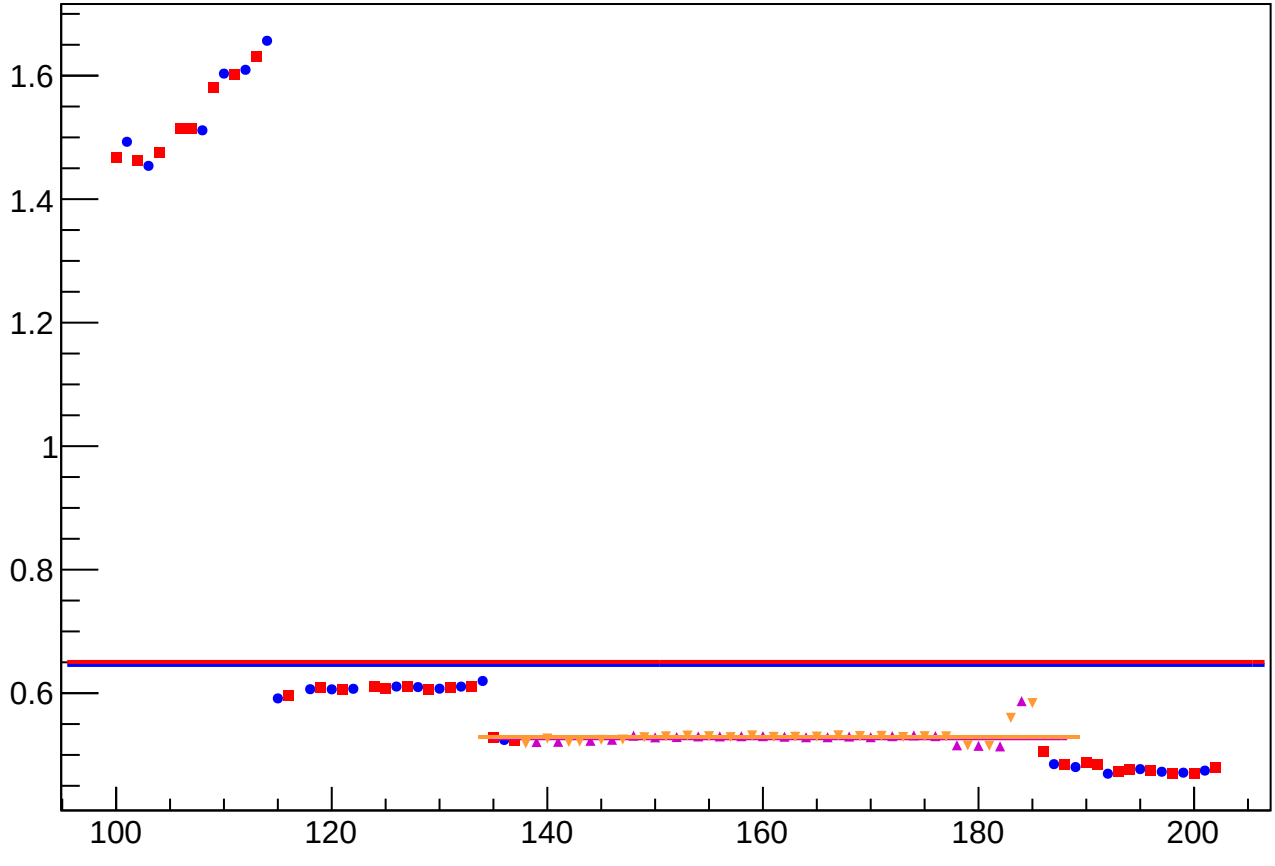
Right: 0.027+/-0.000 χ^2/NDF: 12101409.4/51

In: 0.020+/-0.000 χ^2/NDF:7169425.2/45

Out: 0.021+/-0.000 χ^2/NDF:8997943.3/53

All: 0.020+/-0.000 χ^2/NDF: 16182939.0/99

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.646+/-0.000 χ^2/NDF: 5321574898.8/22

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.651+/-0.000 χ^2/NDF: 6343105924.8/28

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

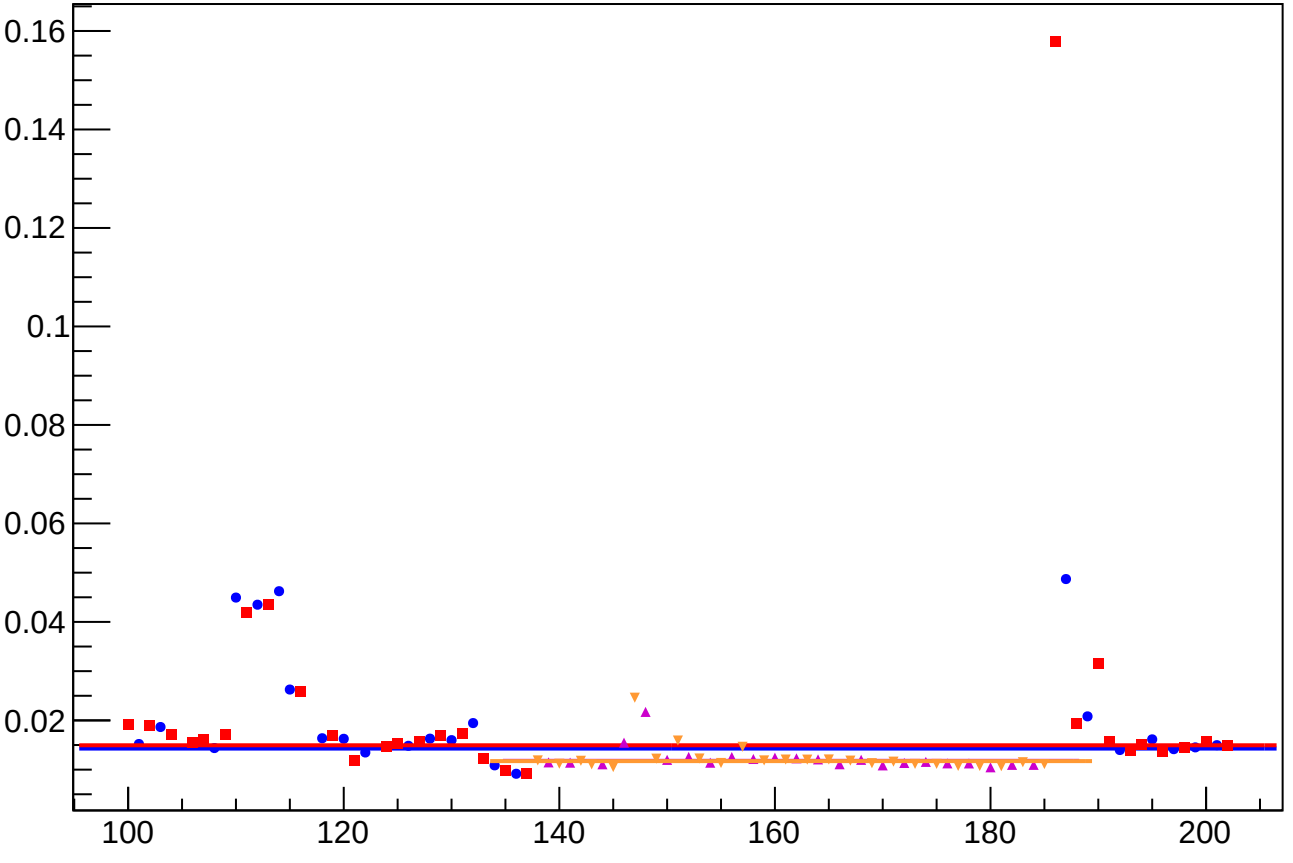
Right: 0.648+/-0.000 χ^2/NDF: 11665318420.1/51

In: 0.562+/-0.000 χ^2/NDF:5855293223.5/45

Out: 0.565+/-0.000 χ^2/NDF:6944802721.0/53

All: 0.563+/-0.000 χ^2/NDF: 12801034473.3/9

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1962746.9/22

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2382077.5/28

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

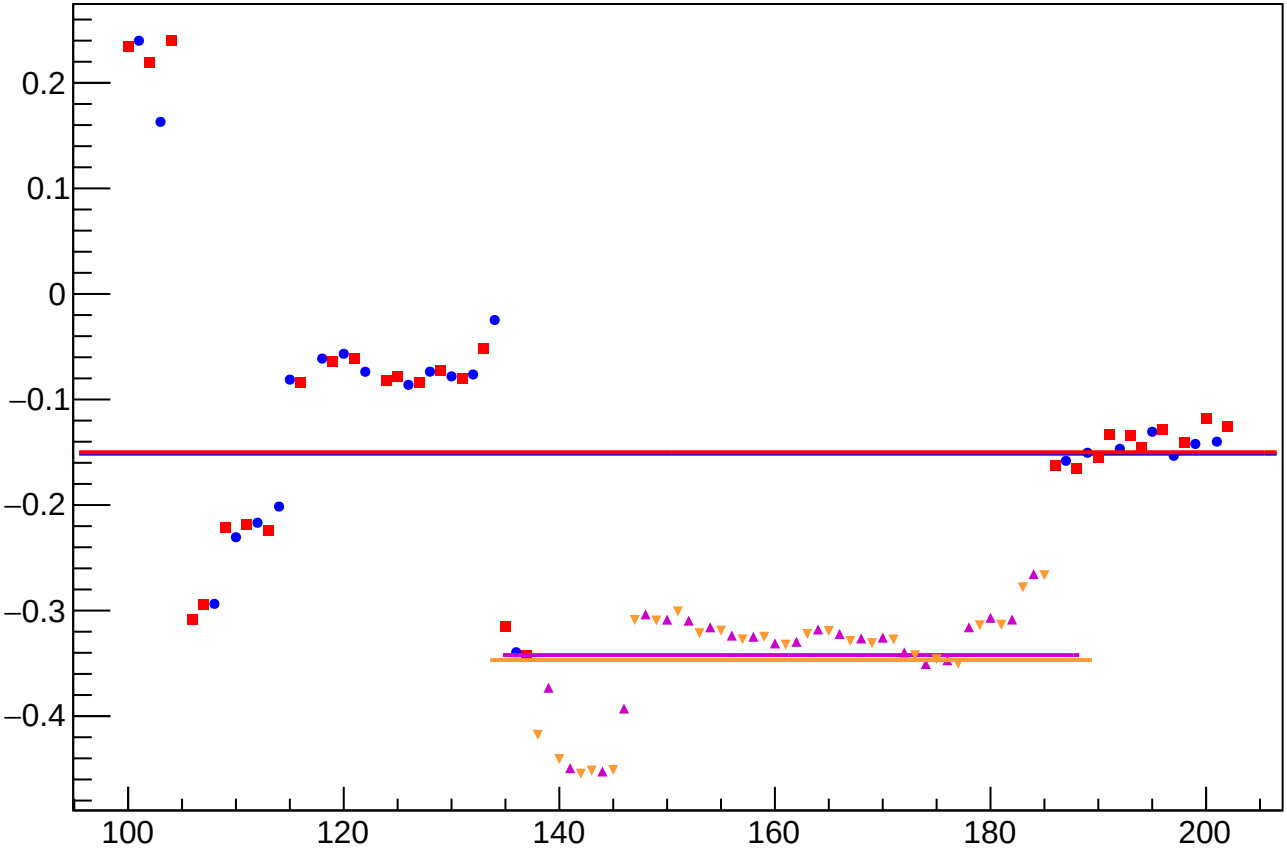
Right: 0.015+/-0.000 χ^2/NDF: 4369105.0/51

In: 0.013+/-0.000 χ^2/NDF:2939621.9/45

Out: 0.013+/-0.000 χ^2/NDF:3900953.7/53

All: 0.013+/-0.000 χ^2/NDF: 6845522.9/99

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.000 χ^2/NDF: 276902880.0/22

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 199931923.3/28

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

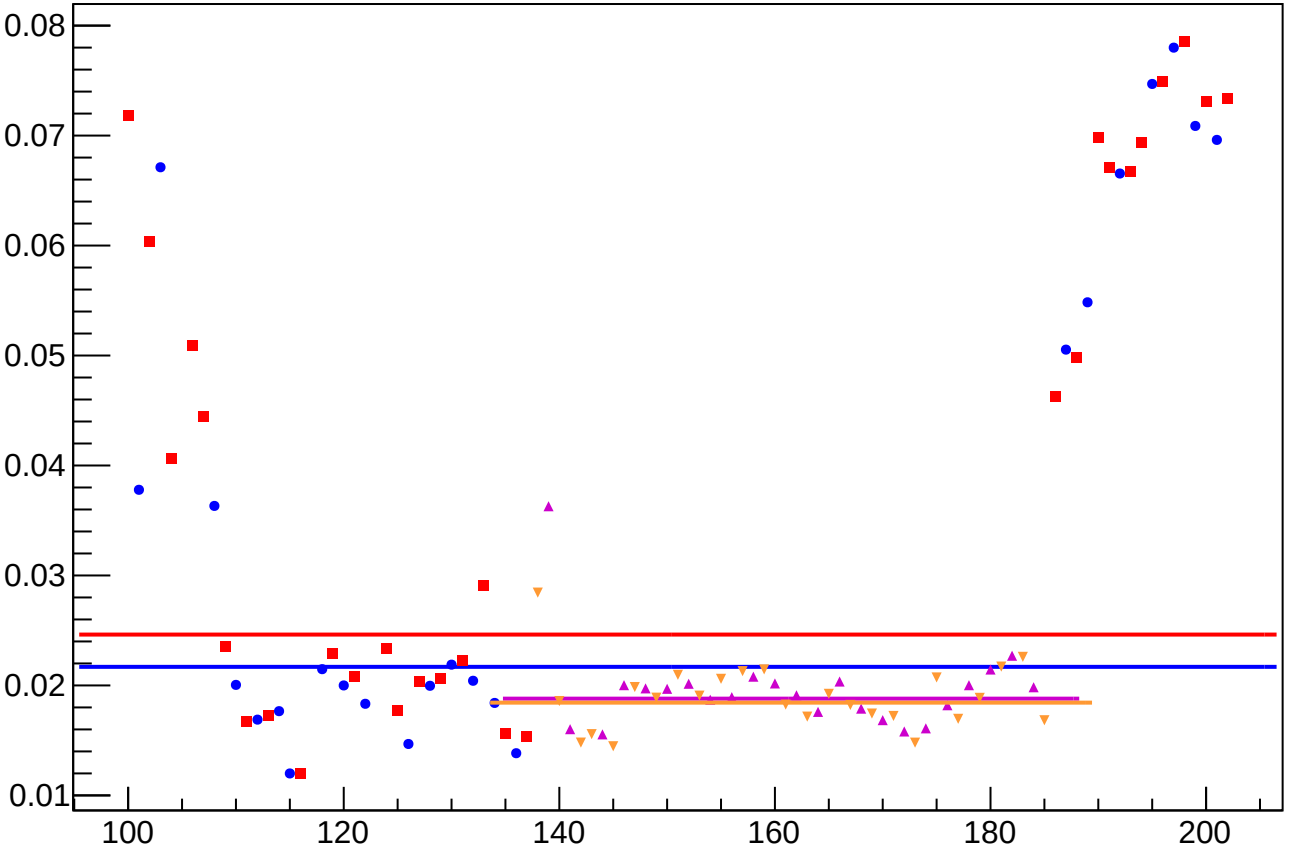
Right: -0.151+/-0.000 χ^2/NDF: 476848959.6/51

In: -0.289+/-0.000 χ^2/NDF:797618894.7/45

Out: -0.298+/-0.000 χ^2/NDF:773467328.5/53

All: -0.294+/-0.000 χ^2/NDF: 1573745512.7/9

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 6334774.0/22

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.025+/-0.000 χ^2/NDF: 7659824.9/28

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

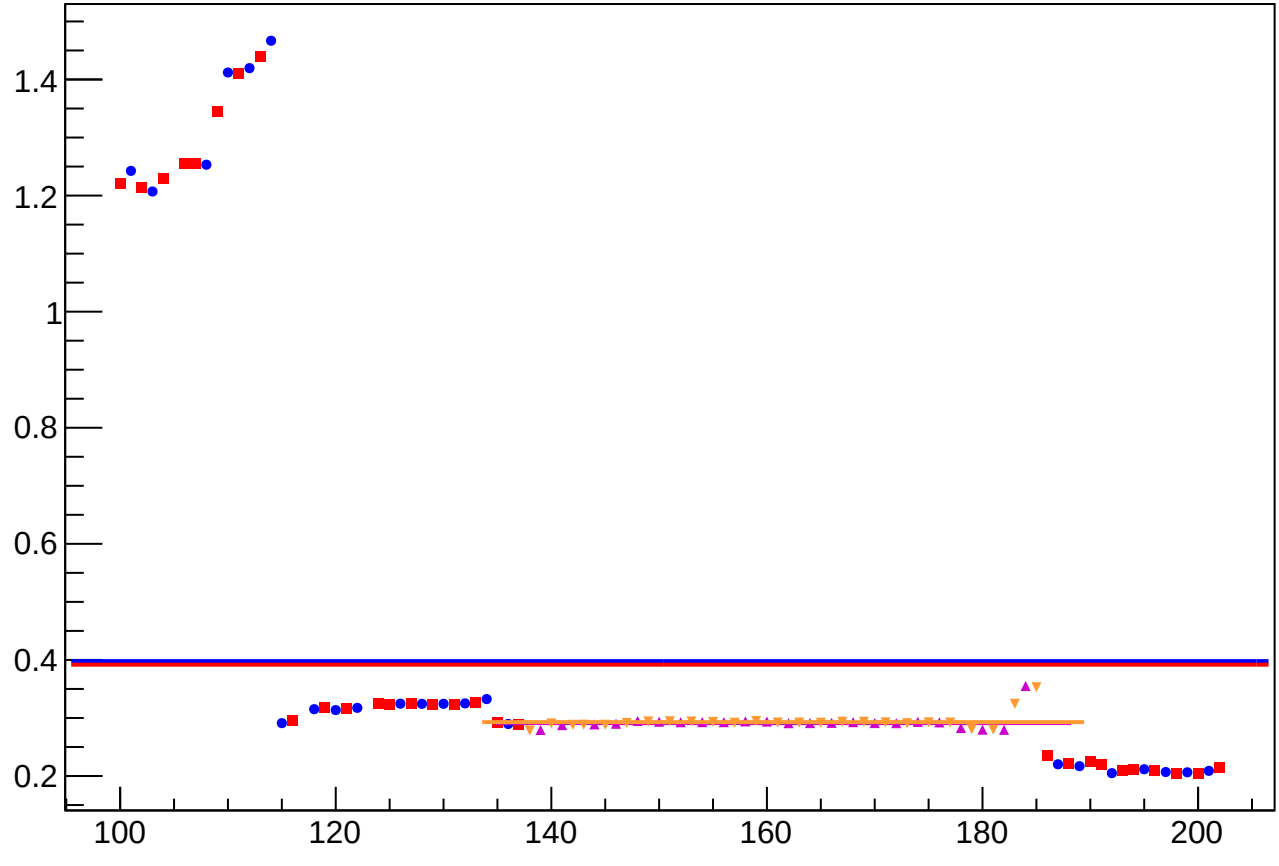
Right: 0.023+/-0.000 χ^2/NDF: 14131443.0/51

In: 0.020+/-0.000 χ^2/NDF:7252125.2/45

Out: 0.020+/-0.000 χ^2/NDF:9184297.6/53

All: 0.020+/-0.000 χ^2/NDF: 16444247.1/99

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.398+/-0.000 χ^2/NDF: 7885497727.7/22

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.392+/-0.000 χ^2/NDF: 8984335254.0/28

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

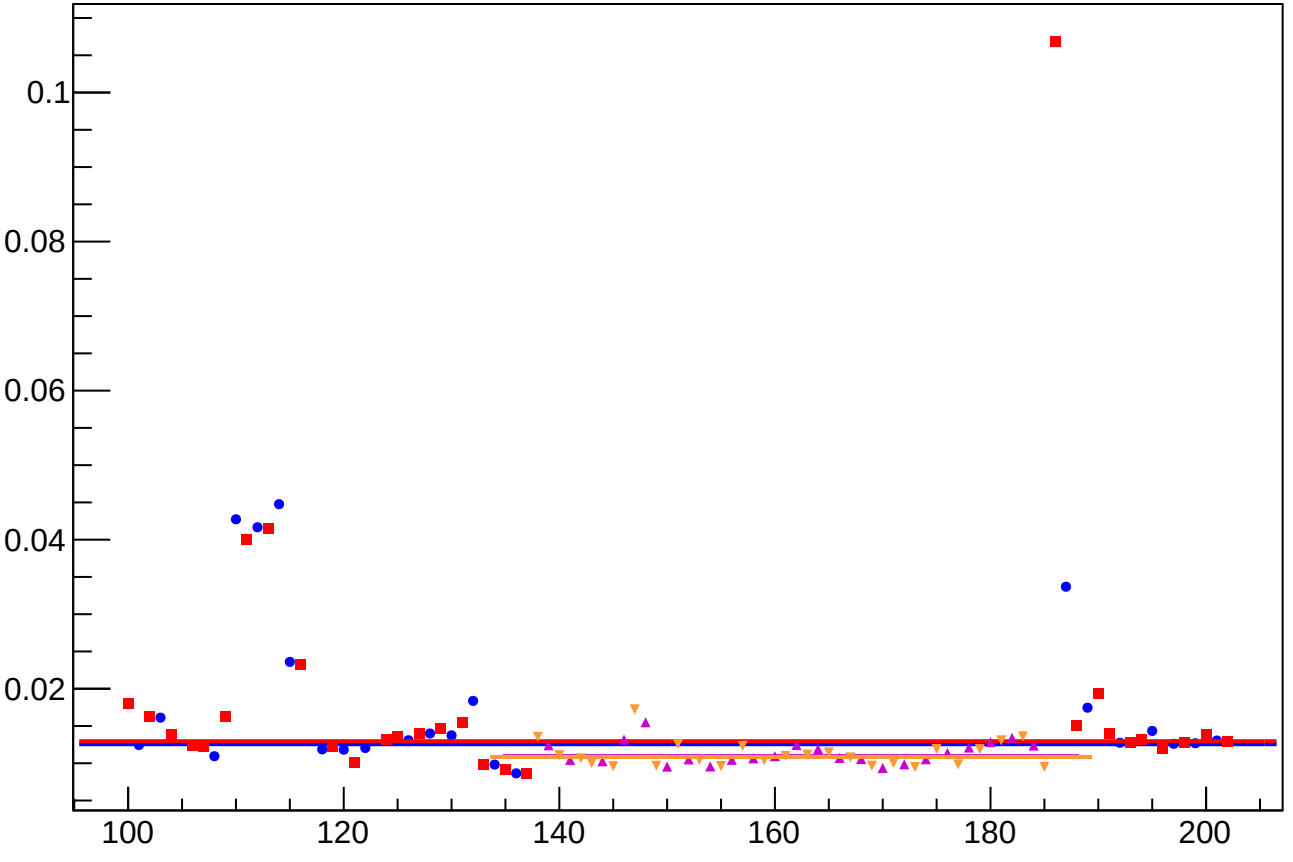
Right: 0.395+/-0.000 χ^2/NDF: 16871160967.1/51

In: 0.325+/-0.000 χ^2/NDF:8422640373.1/45

Out: 0.325+/-0.000 χ^2/NDF:9496612811.1/53

All: 0.325+/-0.000 χ^2/NDF: 17919265946.9/9

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1765455.2/22

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2164974.8/28

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

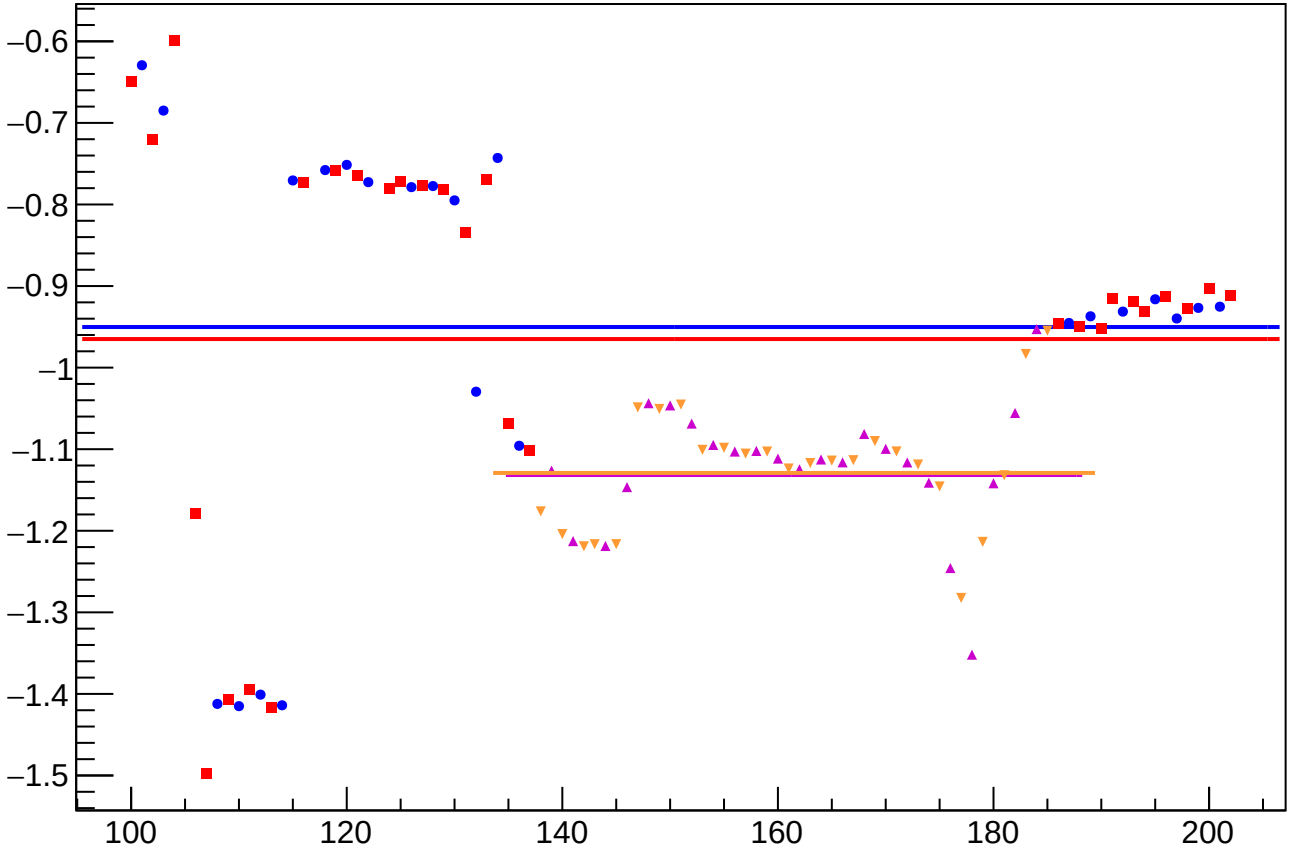
Right: 0.013+/-0.000 χ^2/NDF: 3942131.7/51

In: 0.011+/-0.000 χ^2/NDF:2513384.1/45

Out: 0.012+/-0.000 χ^2/NDF:3271002.9/53

All: 0.011+/-0.000 χ^2/NDF: 5785287.8/99

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.950+/-0.000 χ^2/NDF: 699995678.6/22

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.965+/-0.000 χ^2/NDF: 717335414.0/28

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

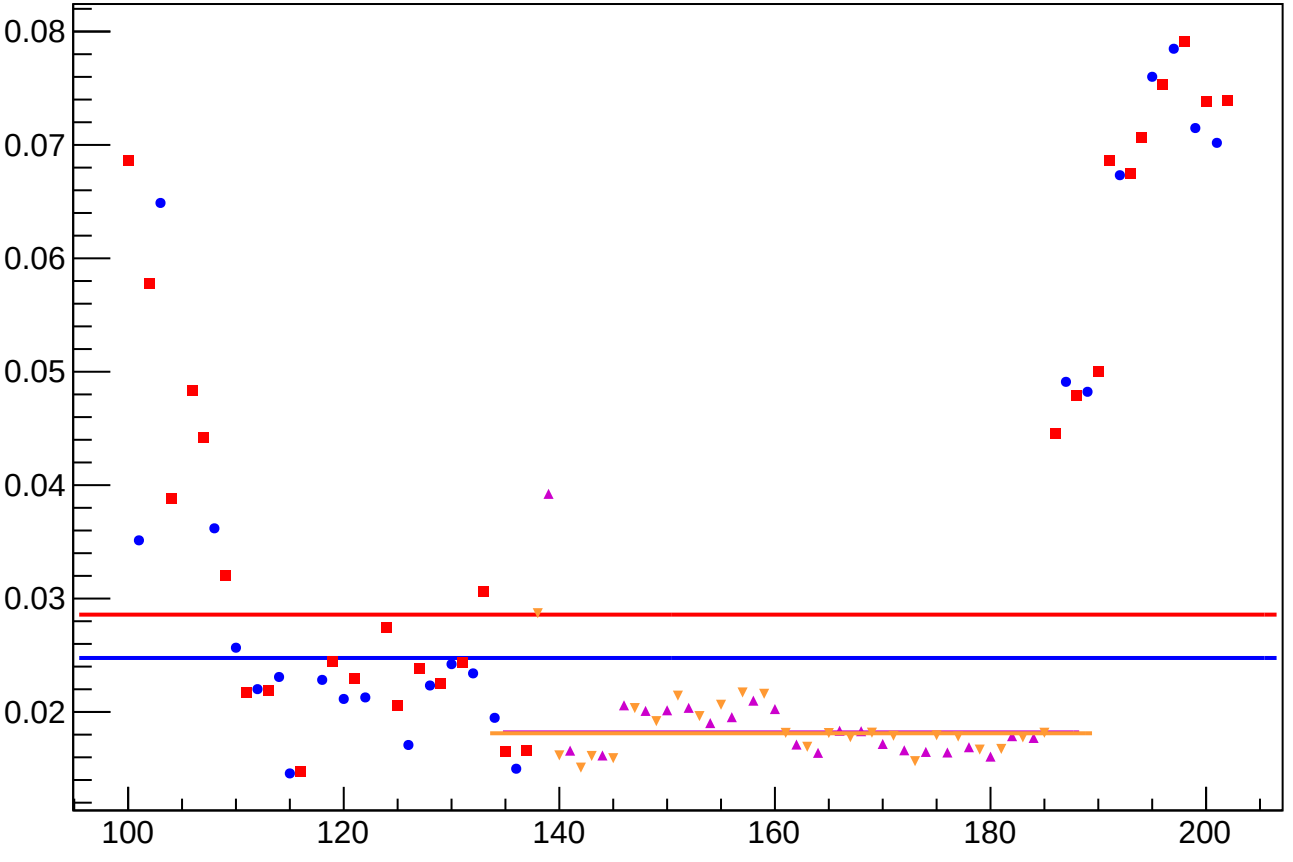
Right: -0.957+/-0.000 χ^2/NDF: 1418705975.3/51

In: -1.090+/-0.000 χ^2/NDF:1295796504.8/45

Out: -1.096+/-0.000 χ^2/NDF:1216135464.9/53

All: -1.093+/-0.000 χ^2/NDF: 2512909793.5/9

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 5543695.6/22

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6347616.1/28

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

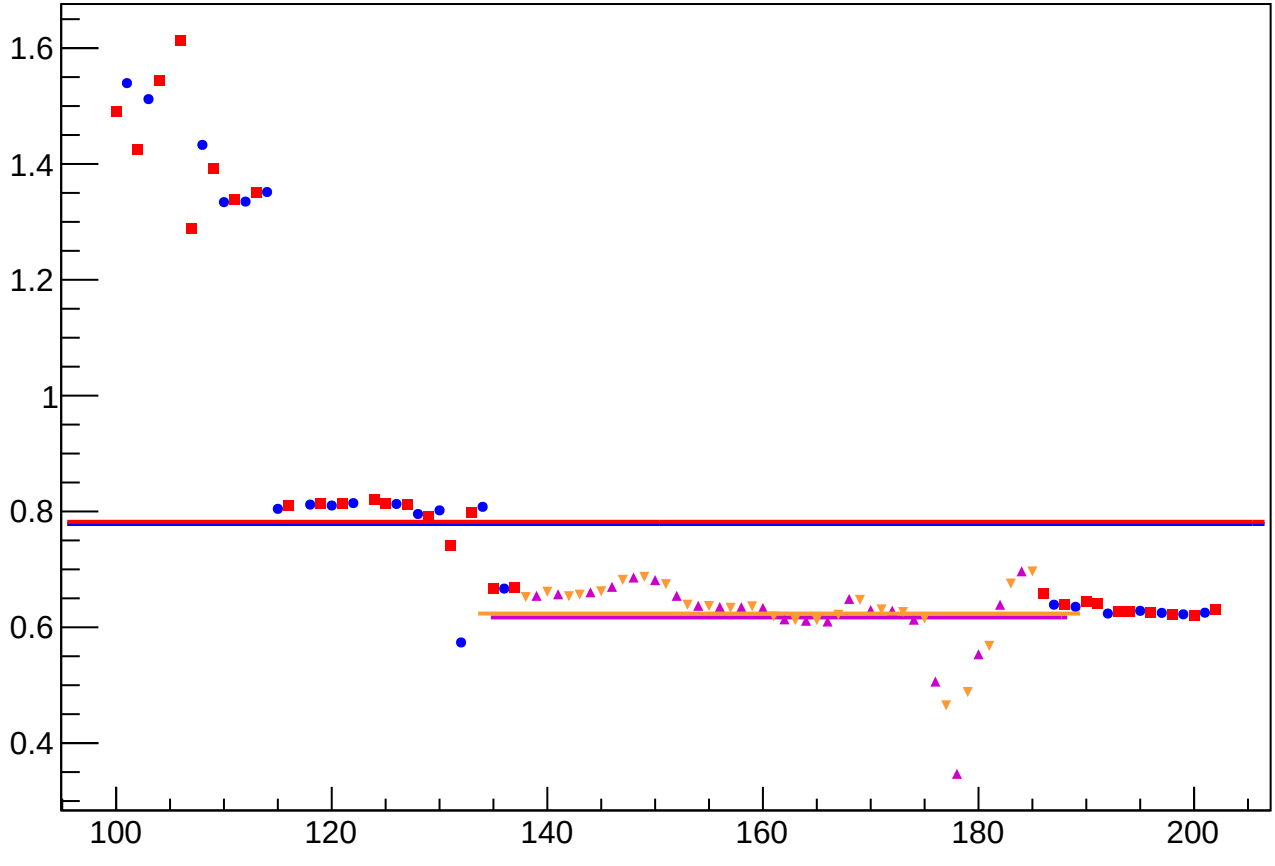
Right: 0.027+/-0.000 χ^2/NDF: 12076423.3/51

In: 0.020+/-0.000 χ^2/NDF:7145390.0/45

Out: 0.020+/-0.000 χ^2/NDF:8939812.9/53

All: 0.020+/-0.000 χ^2/NDF: 16102215.3/99

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.778+/-0.000 χ^2/NDF: 3606800000.3/22

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.782+/-0.000 χ^2/NDF: 4017004078.8/28

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

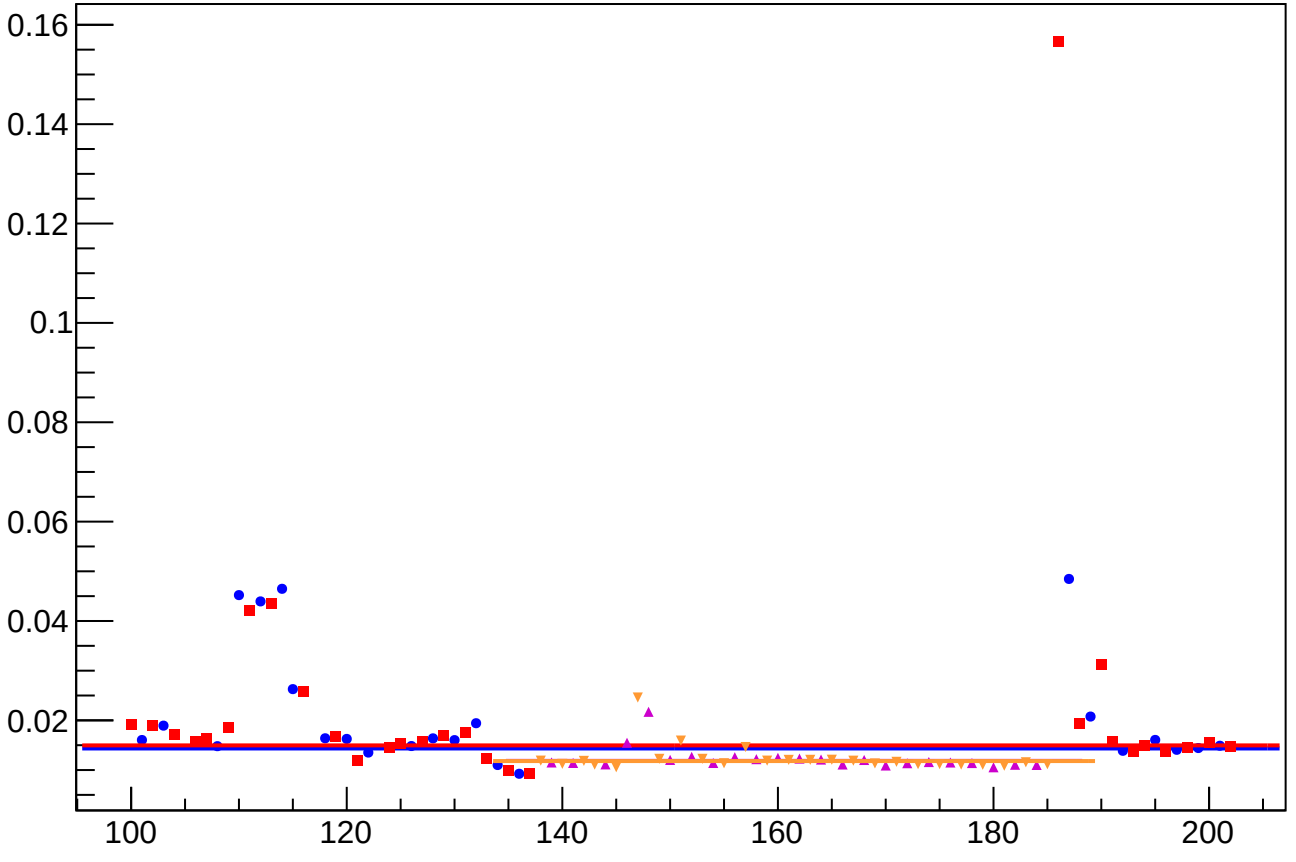
Right: 0.780+/-0.000 χ^2/NDF: 7624198472.7/51

In: 0.664+/-0.000 χ^2/NDF:5203583358.5/45

Out: 0.671+/-0.000 χ^2/NDF:5405737371.7/53

All: 0.668+/-0.000 χ^2/NDF: 10613287057.0/9

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1946740.6/22

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2386364.4/28

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

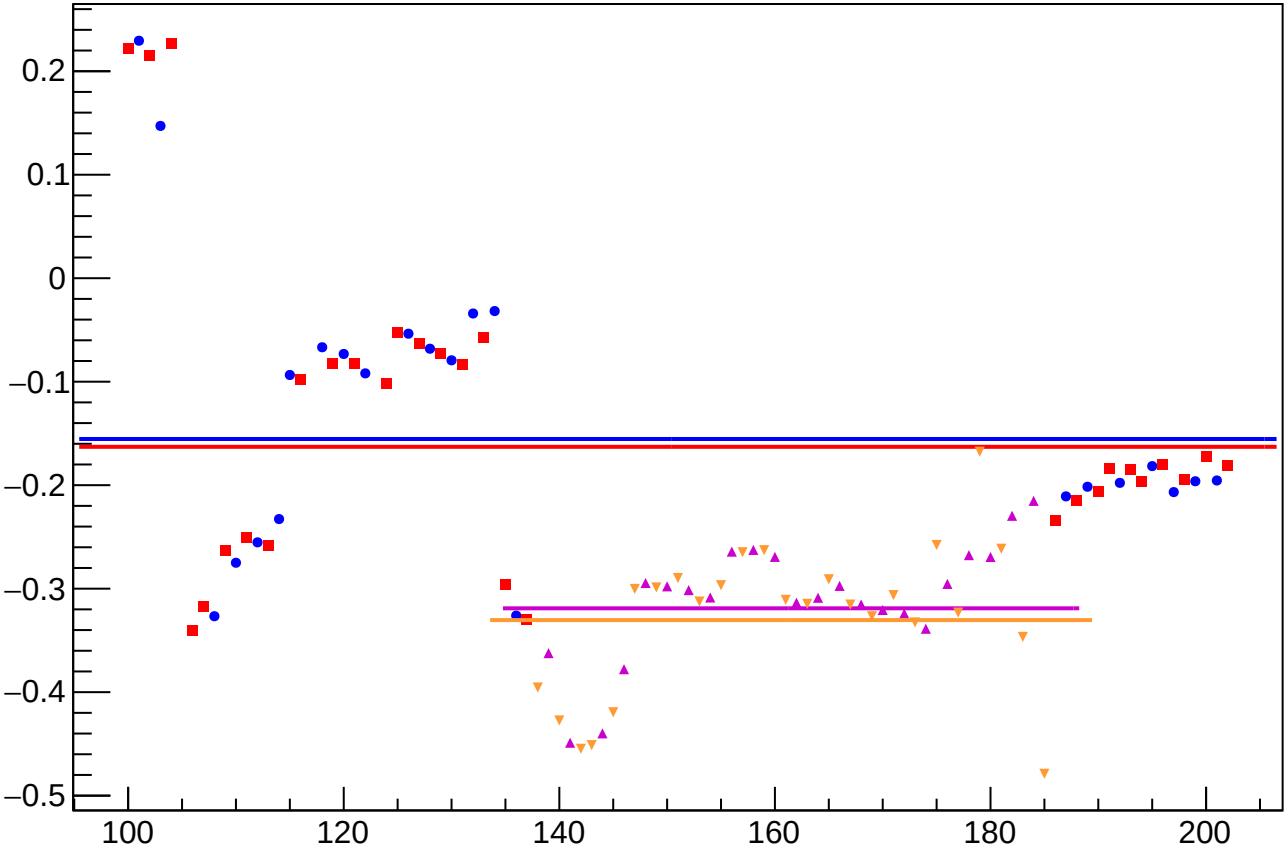
Right: 0.015+/-0.000 χ^2/NDF: 4353751.3/51

In: 0.013+/-0.000 χ^2/NDF:2910905.2/45

Out: 0.013+/-0.000 χ^2/NDF:3843407.7/53

All: 0.013+/-0.000 χ^2/NDF: 6759523.1/99

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.155+/-0.000 χ^2/NDF: 276310914.4/22

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.163+/-0.000 χ^2/NDF: 198380811.5/28

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

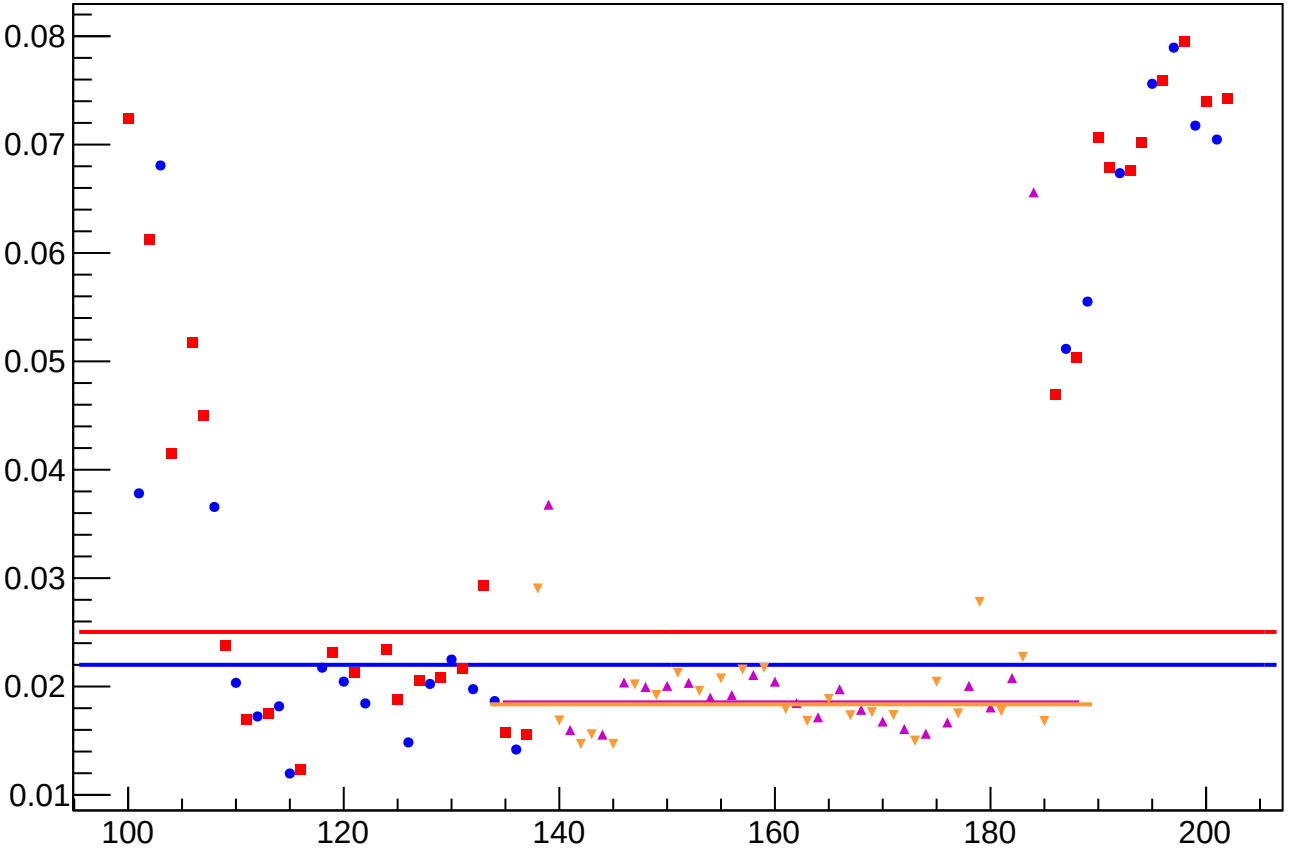
Right: -0.159+/-0.000 χ^2/NDF: 475132857.6/51

In: -0.274+/-0.000 χ^2/NDF:718428041.5/45

Out: -0.289+/-0.000 χ^2/NDF:695326216.8/53

All: -0.282+/-0.000 χ^2/NDF: 1420622827.8/9

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 6303229.2/22

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.025+/-0.000 χ^2/NDF: 7616738.1/28

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

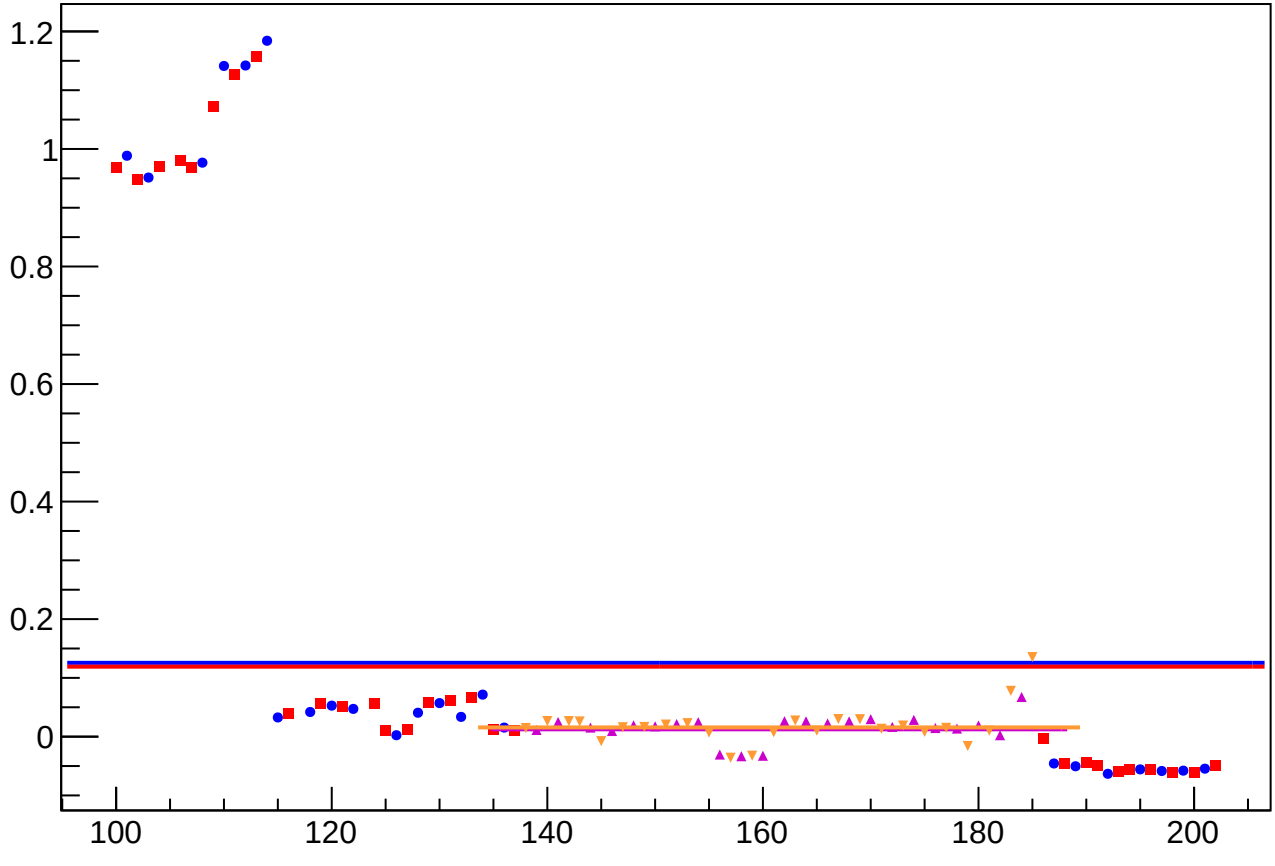
Right: 0.023+/-0.000 χ^2/NDF: 14061930.2/51

In: 0.019+/-0.000 χ^2/NDF:7516466.2/45

Out: 0.020+/-0.000 χ^2/NDF:9353431.5/53

All: 0.020+/-0.000 χ^2/NDF: 16885352.7/99

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.126+/-0.000 χ^2/NDF: 7980534488.6/22

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.119+/-0.000 χ^2/NDF: 8885753240.6/28

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

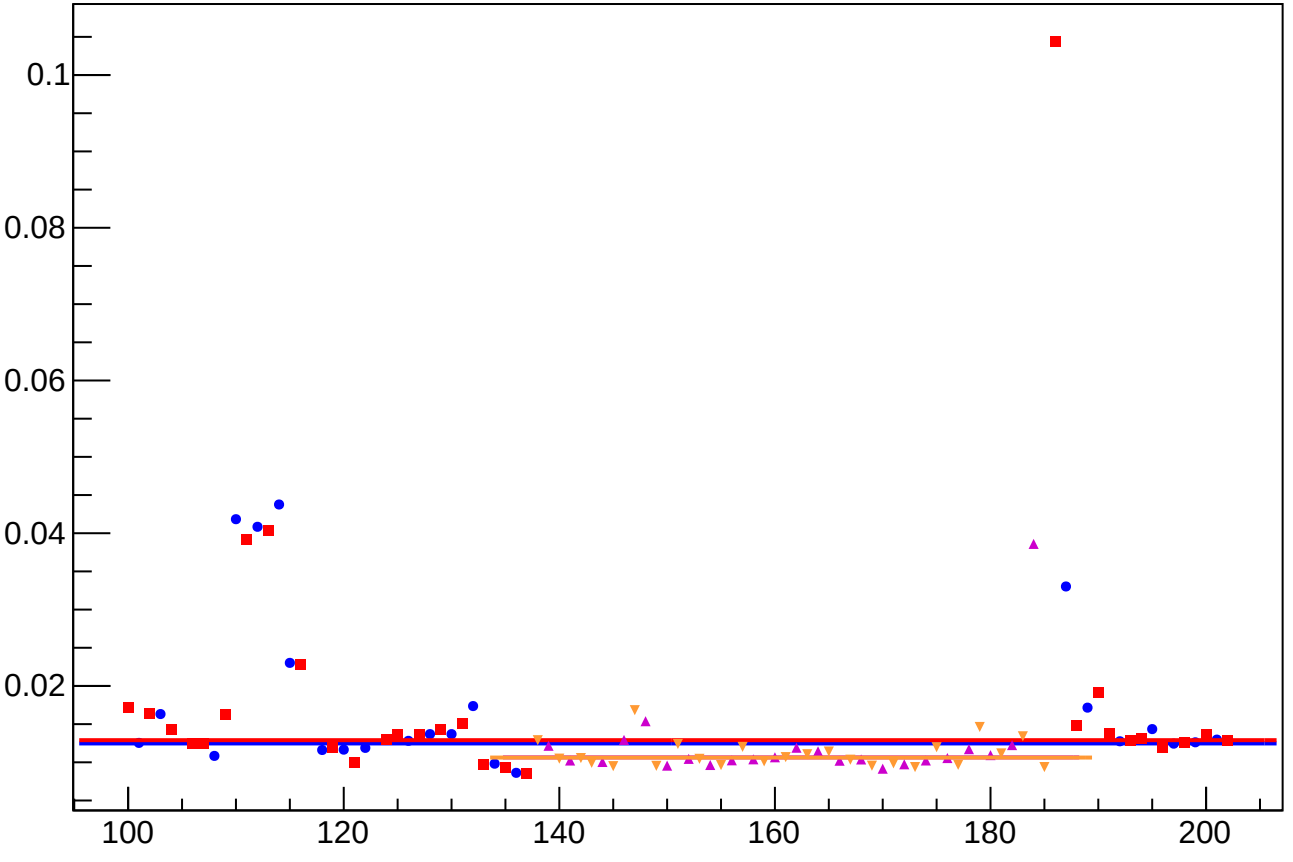
Right: 0.122+/-0.000 χ^2/NDF: 16867823235.8/51

In: 0.048+/-0.000 χ^2/NDF:8643821106.8/45

Out: 0.049+/-0.000 χ^2/NDF:9536542660.4/53

All: 0.049+/-0.000 χ^2/NDF: 18180493001.1/9

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1731206.0/22

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2109414.0/28

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

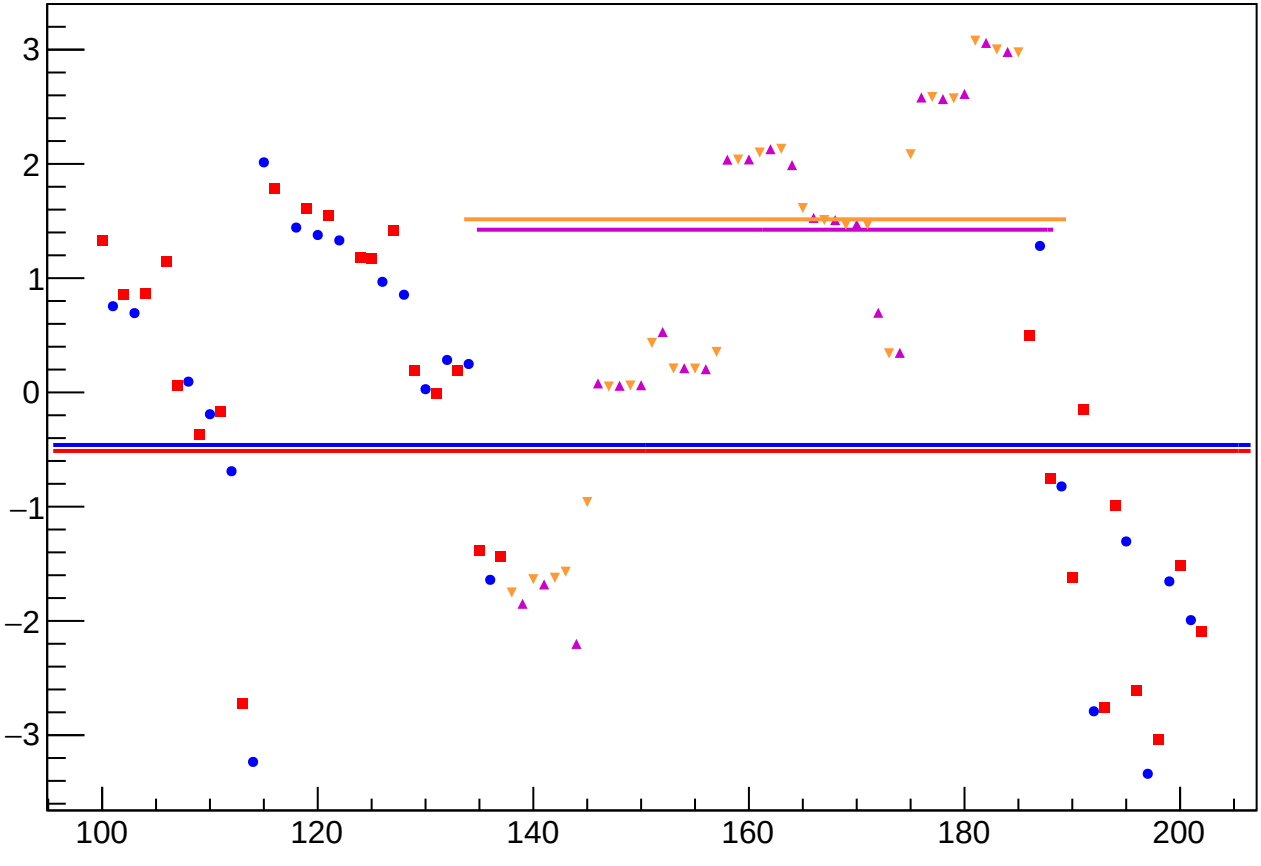
Right: 0.013+/-0.000 χ^2/NDF: 3853853.1/51

In: 0.011+/-0.000 χ^2/NDF:2618861.9/45

Out: 0.011+/-0.000 χ^2/NDF:3261392.6/53

All: 0.011+/-0.000 χ^2/NDF: 5884762.1/99

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.460+/-0.000 χ^2/NDF: 6428812573.2/22

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.512+/-0.000 χ^2/NDF: 6915747904.2/28

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

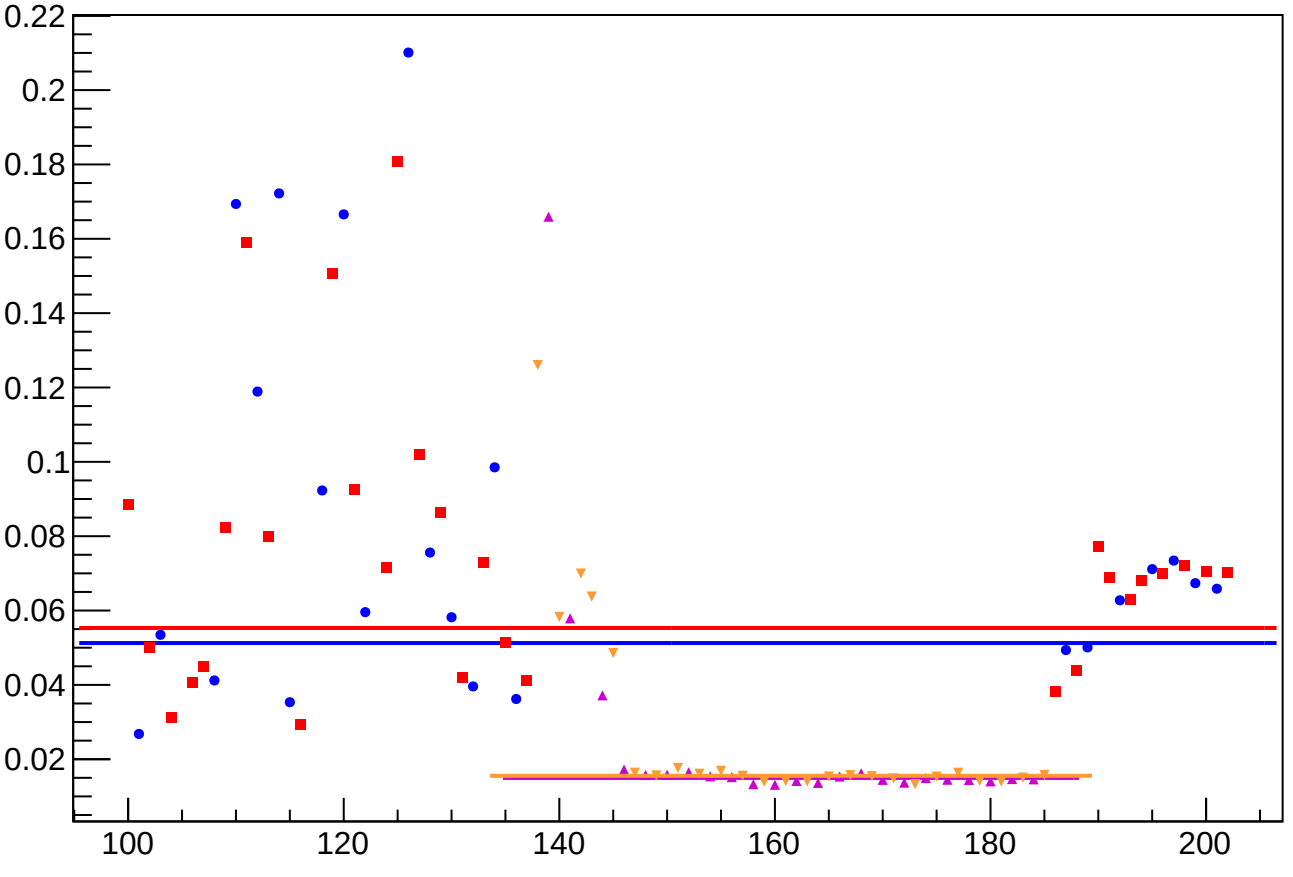
Right: -0.488+/-0.000 χ^2/NDF: 13349083850.0/51

In: 1.333+/-0.000 χ^2/NDF:85091774278.5/45

Out: 1.405+/-0.000 χ^2/NDF:88270508344.3/53

All: 1.369+/-0.000 χ^2/NDF: 173527166248.7

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.051+/-0.000 χ^2/NDF: 3505859.3/22

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3140986.0/28

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

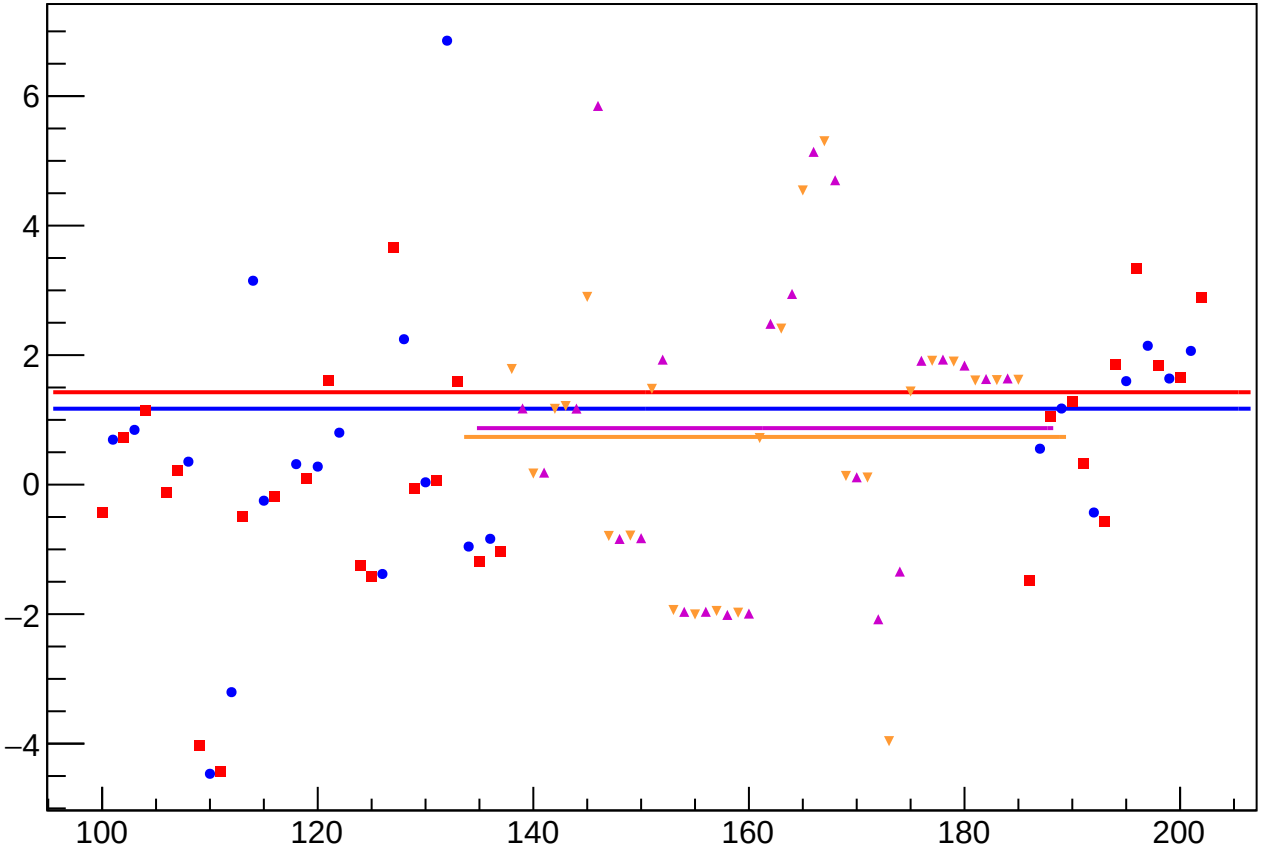
Right: 0.053+/-0.000 χ^2/NDF: 6701188.8/51

In: 0.017+/-0.000 χ^2/NDF:13562231.9/45

Out: 0.018+/-0.000 χ^2/NDF:16561378.9/53

All: 0.017+/-0.000 χ^2/NDF: 30186761.6/99

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.173+/-0.000 χ^2/NDF: 22196842866.7/22

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.427+/-0.000 χ^2/NDF: 30292814744.5/28

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

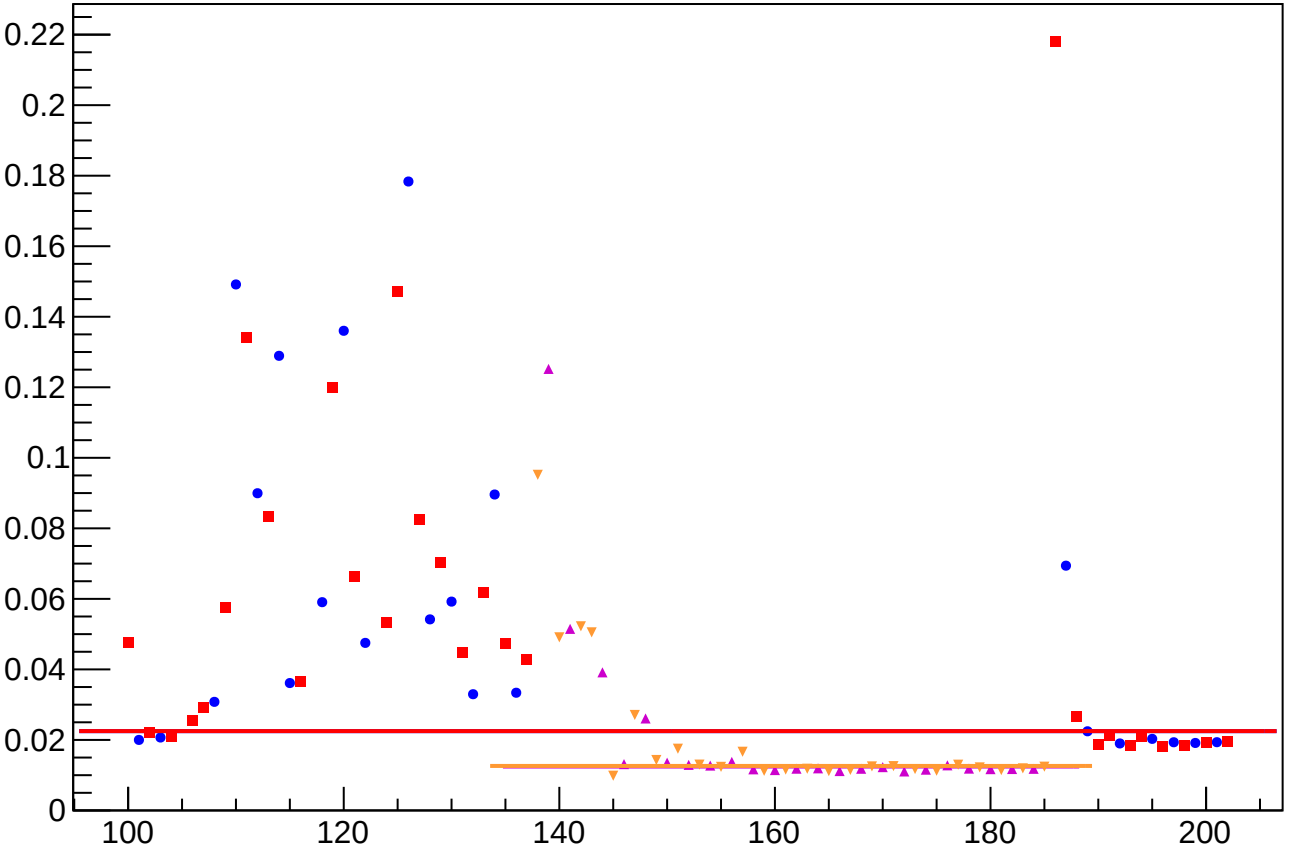
Right: 1.312+/-0.000 χ^2/NDF: 53030797443.1/51

In: 0.912+/-0.000 χ^2/NDF:643546615345.6/45

Out: 0.846+/-0.000 χ^2/NDF:573719937152.0/53

All: 0.878+/-0.000 χ^2/NDF: 1217526212632.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 3960197.2/22

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 5071612.9/28

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

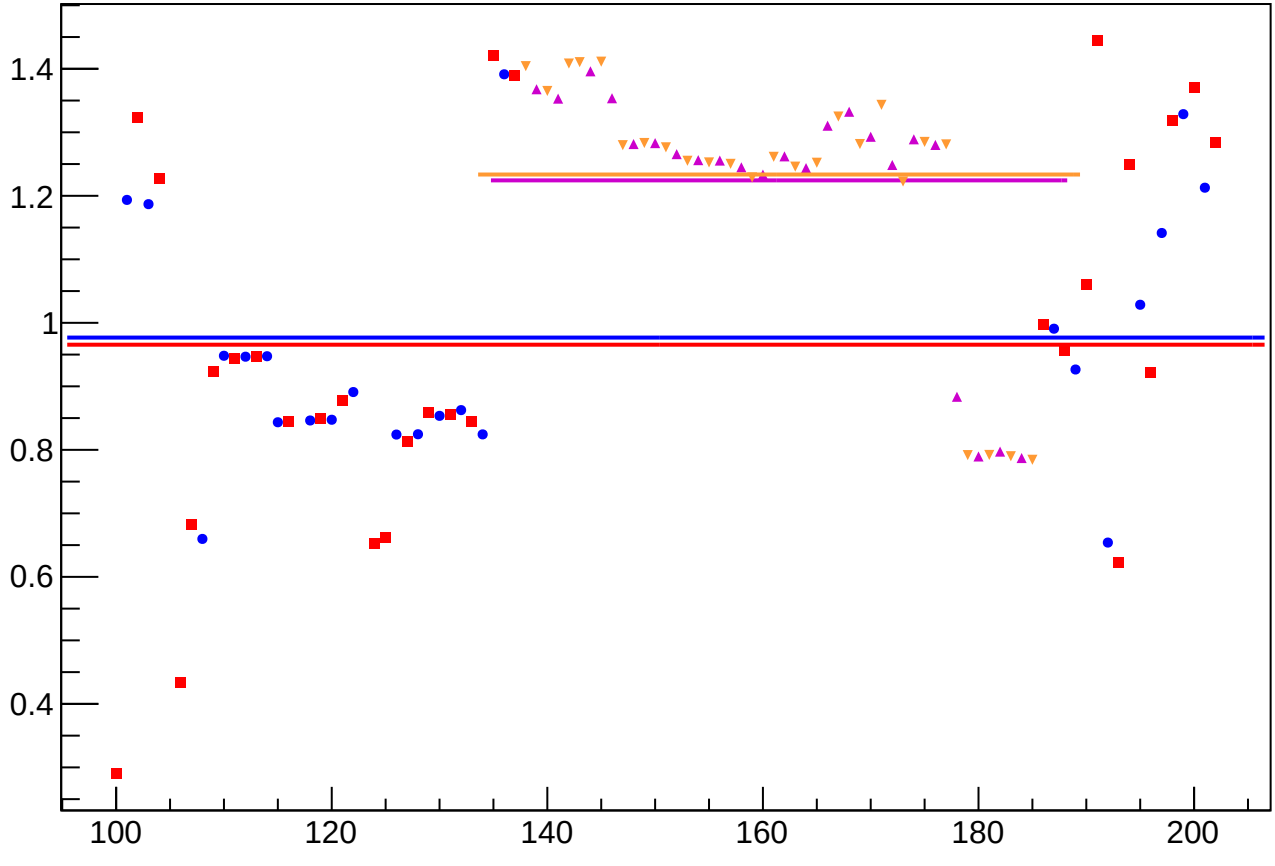
Right: 0.022+/-0.000 χ^2/NDF: 9031815.5/51

In: 0.014+/-0.000 χ^2/NDF:9369179.7/45

Out: 0.014+/-0.000 χ^2/NDF:11320339.4/53

All: 0.014+/-0.000 χ^2/NDF: 20707191.3/99

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.977+/-0.000 χ^2/NDF: 1741120752.2/22

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.966+/-0.000 χ^2/NDF: 2166537203.4/28

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

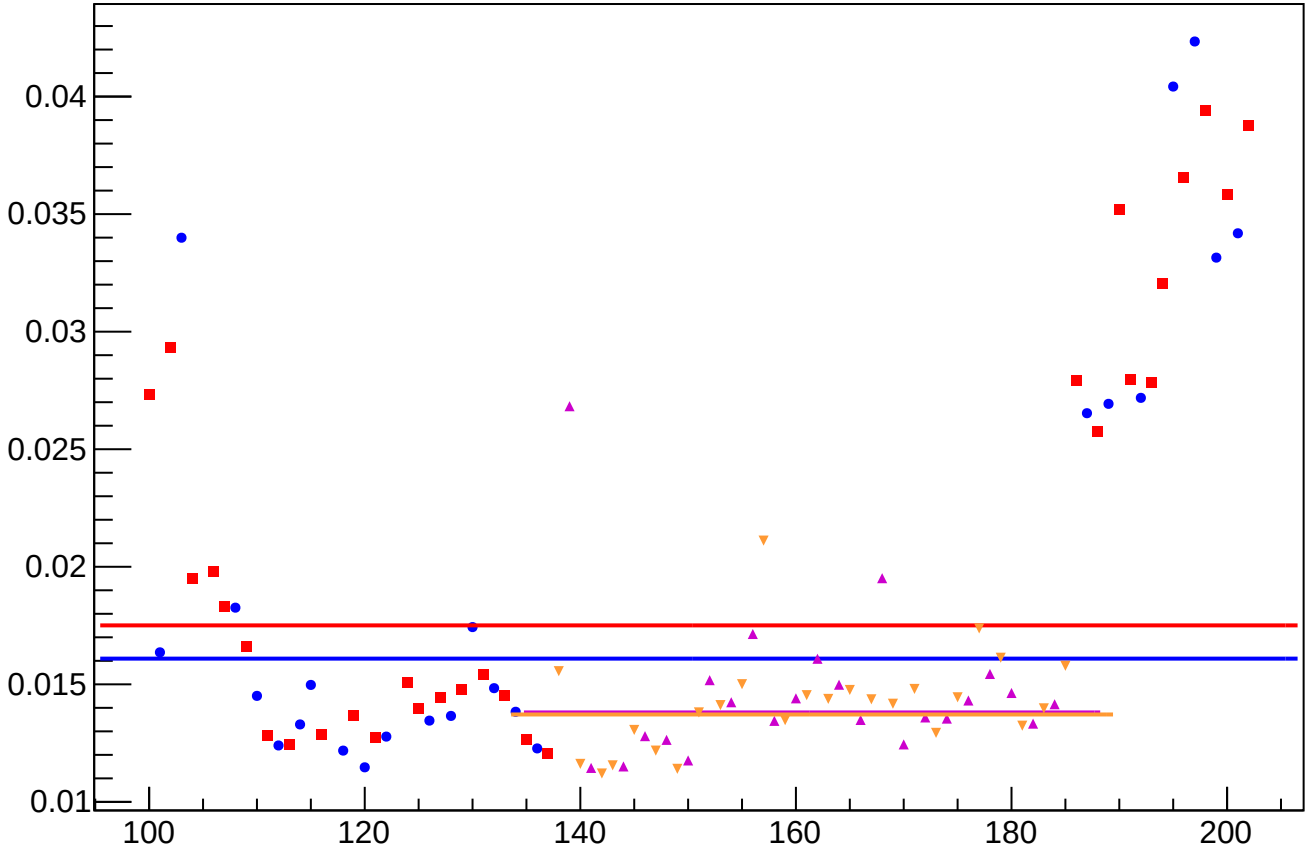
Right: 0.971+/-0.000 χ^2/NDF: 3909986925.8/51

In: 1.149+/-0.000 χ^2/NDF:5973311288.5/45

Out: 1.155+/-0.000 χ^2/NDF:7096699764.9/53

All: 1.153+/-0.000 χ^2/NDF: 13072234593.3/9

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 3492925.9/22

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4005552.2/28

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

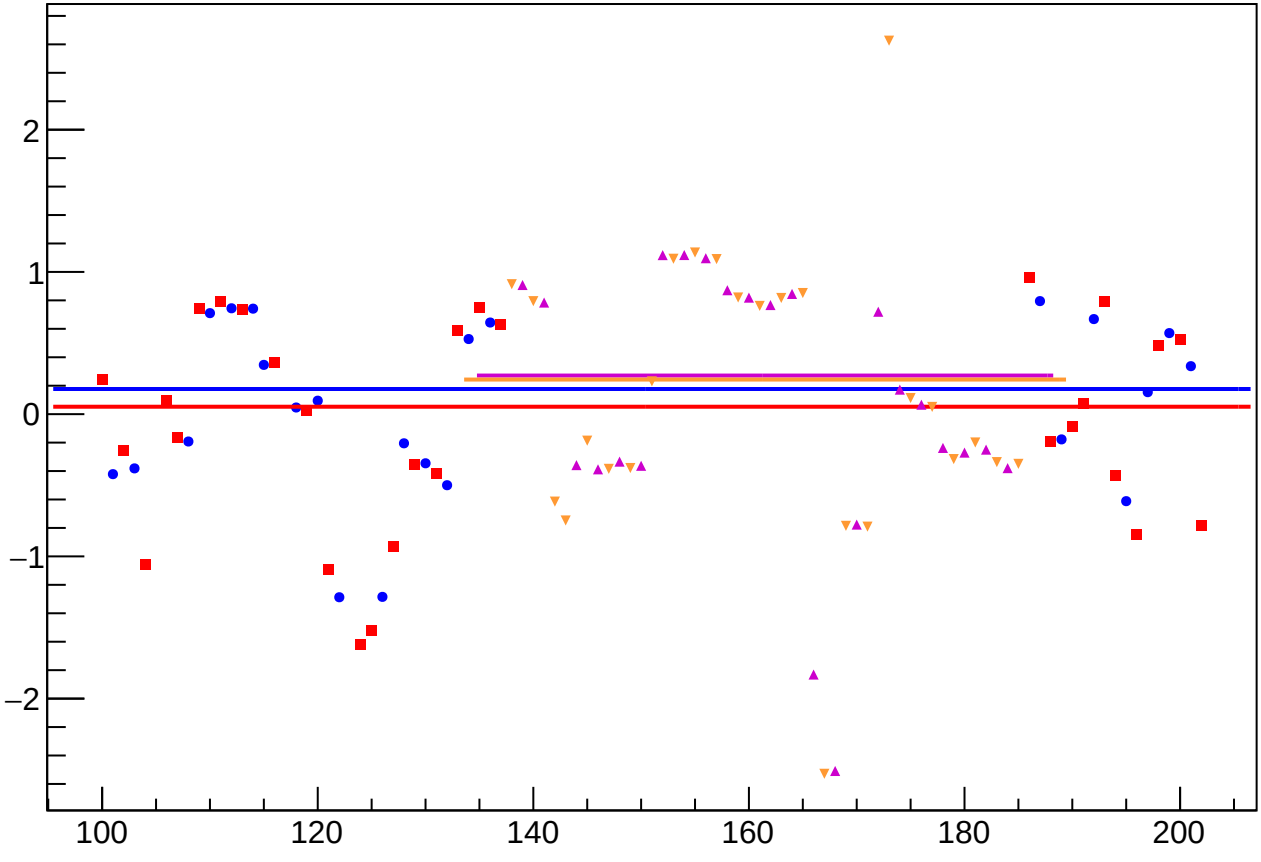
Right: 0.017+/-0.000 χ^2/NDF: 7572451.7/51

In: 0.014+/-0.000 χ^2/NDF:4632928.7/45

Out: 0.015+/-0.000 χ^2/NDF:5310776.4/53

All: 0.015+/-0.000 χ^2/NDF: 9956909.4/99

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.177+/-0.000 χ^2/NDF: 18222978106.1/22

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.052+/-0.000 χ^2/NDF: 32889628862.1/28

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

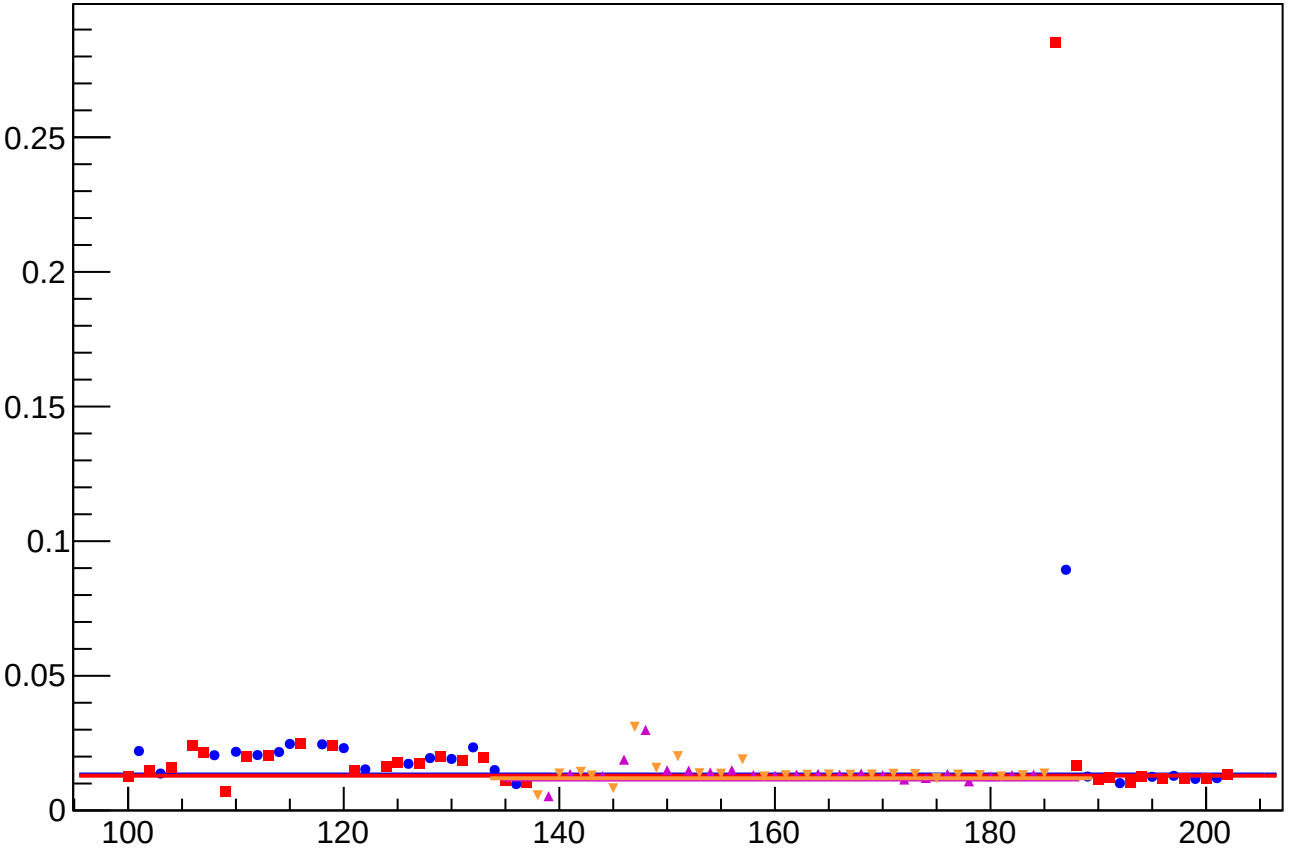
Right: 0.108+/-0.000 χ^2/NDF: 51603544386.7/51

In: 0.240+/-0.000 χ^2/NDF:109068492331.9/45

Out: 0.172+/-0.000 χ^2/NDF:140088781456.0/53

All: 0.205+/-0.000 χ^2/NDF: 249585693000.9

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2029713.6/22

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2672373.8/28

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

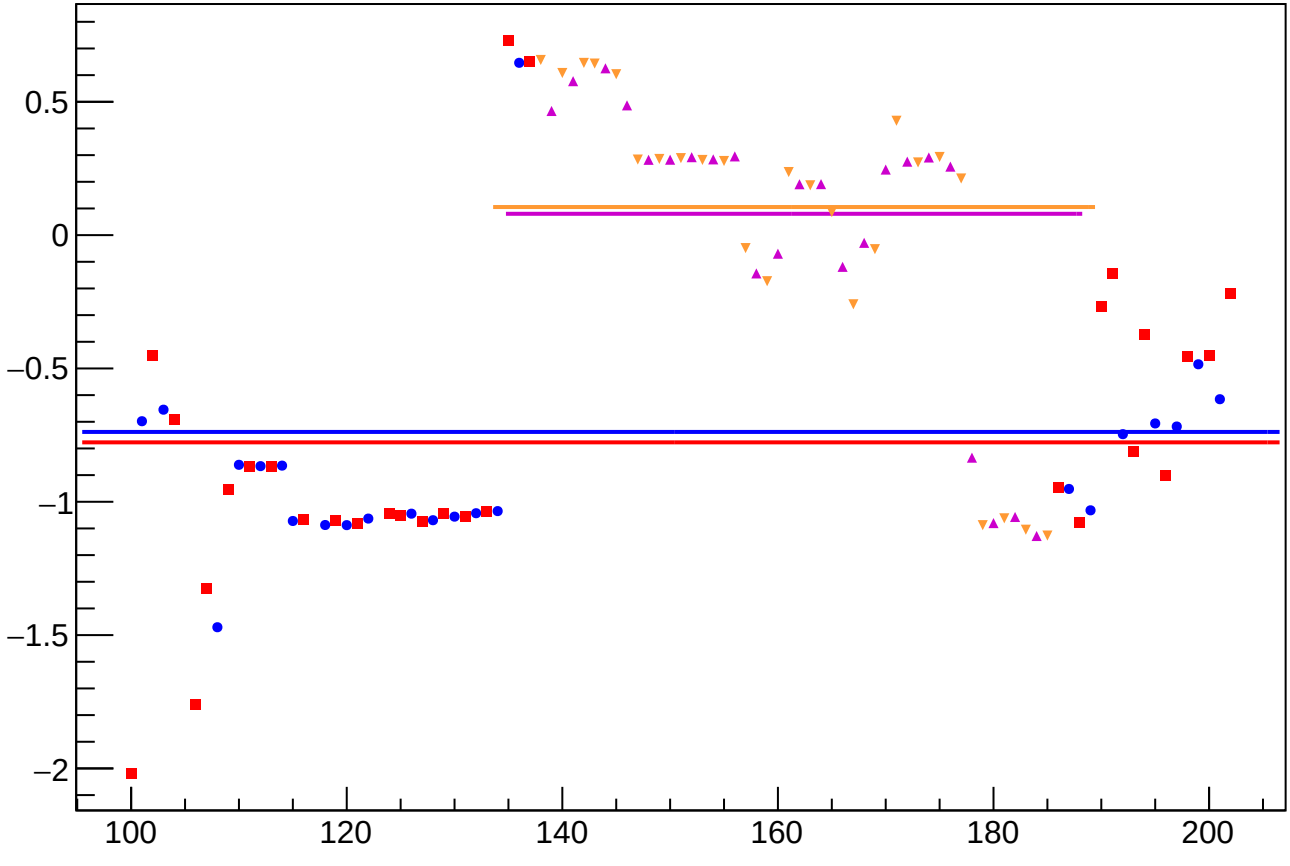
Right: 0.013+/-0.000 χ^2/NDF: 4713649.2/51

In: 0.012+/-0.000 χ^2/NDF:5964957.1/45

Out: 0.012+/-0.000 χ^2/NDF:6019855.8/53

All: 0.012+/-0.000 χ^2/NDF: 11993255.9/99

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2098752258.0/22

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.777+/-0.000 χ^2/NDF: 2032021754.9/28

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

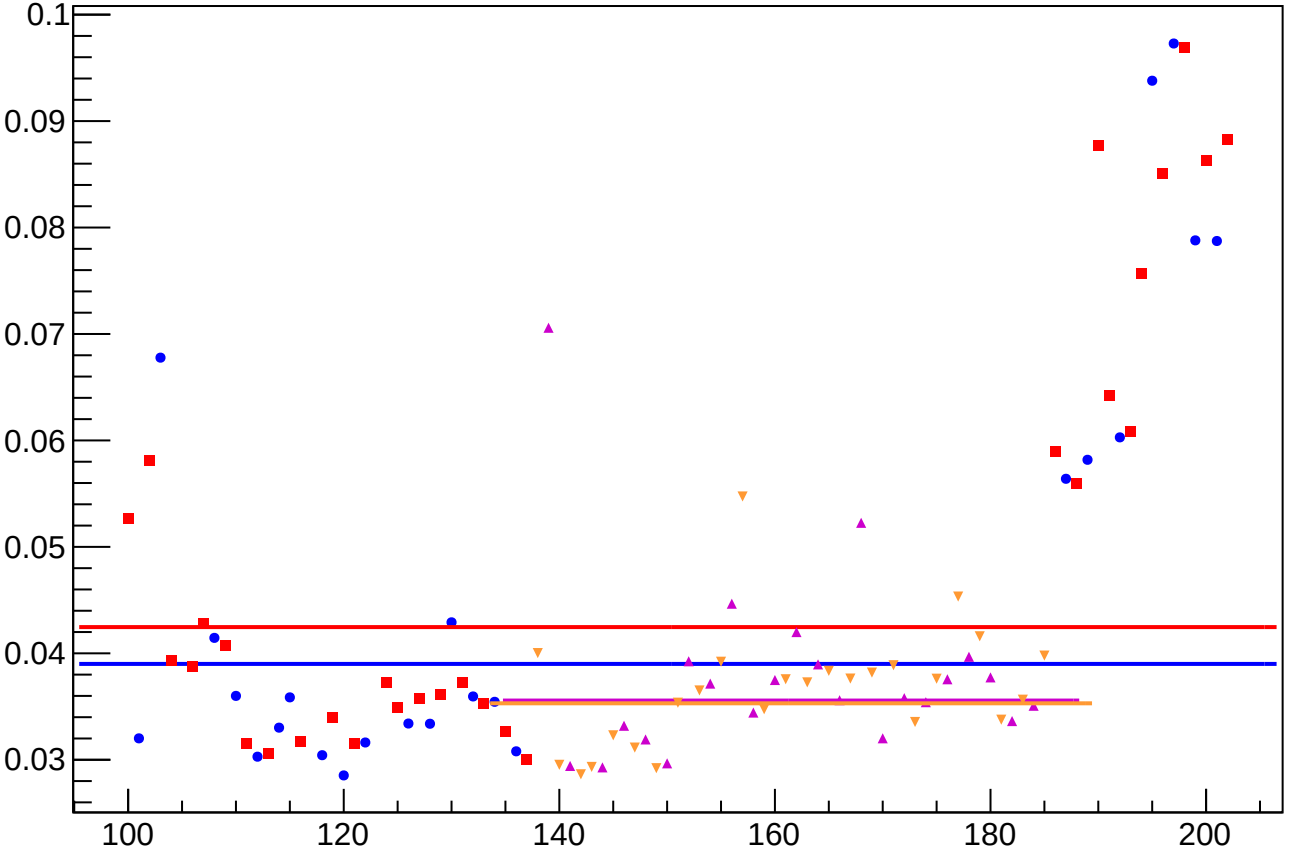
Right: -0.758+/-0.000 χ^2/NDF: 4135707120.5/51

In: -0.195+/-0.000 χ^2/NDF:8233520201.6/45

Out: -0.180+/-0.000 χ^2/NDF:9215640624.1/53

All: -0.187+/-0.000 χ^2/NDF: 17451493652.6/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.039+/-0.000 χ^2/NDF: 3048049.0/22

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.042+/-0.000 χ^2/NDF: 3455102.2/28

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

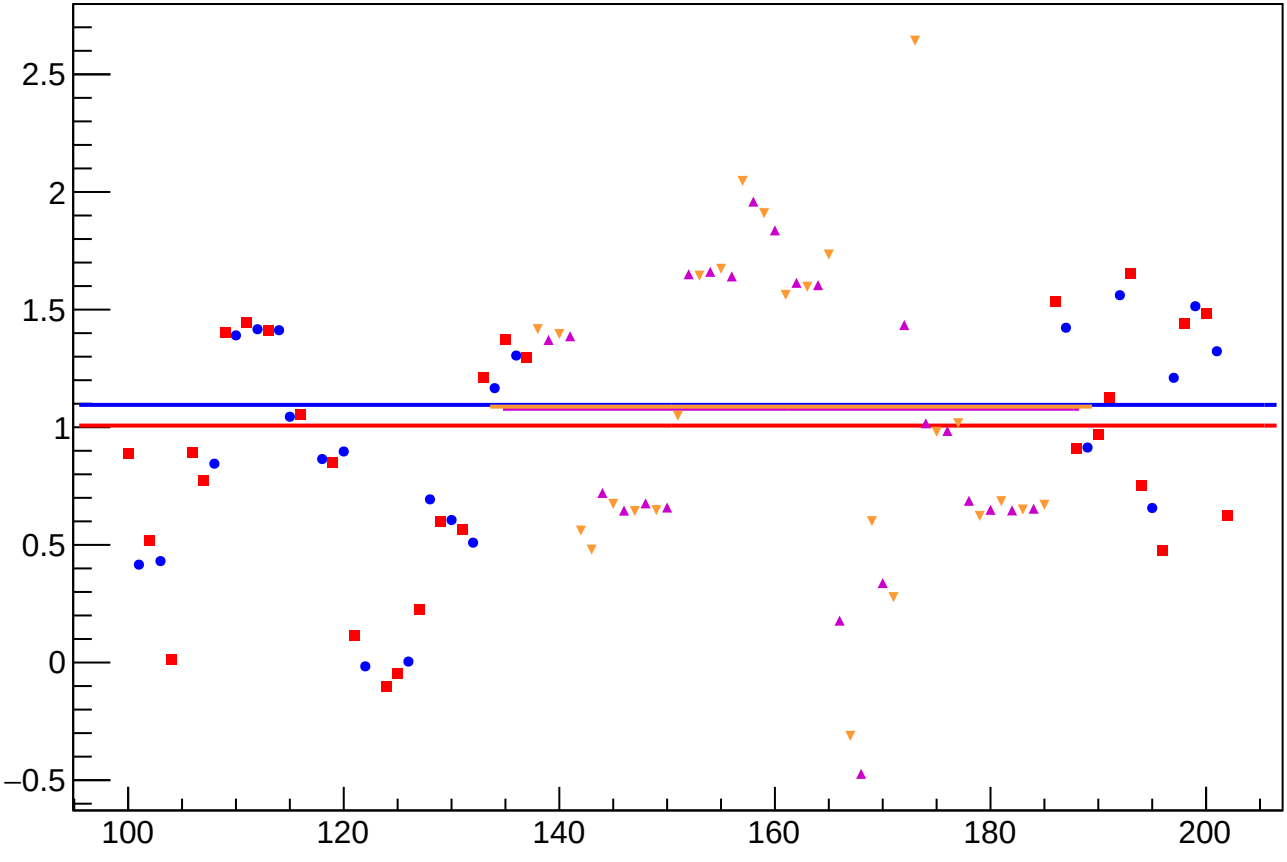
Right: 0.041+/-0.000 χ^2/NDF: 6580320.9/51

In: 0.037+/-0.000 χ^2/NDF:4109885.4/45

Out: 0.038+/-0.000 χ^2/NDF:4514964.8/53

All: 0.037+/-0.000 χ^2/NDF: 8640561.0/99

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.095+/-0.000 χ^2/NDF: 24067811314.0/22

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.007+/-0.000 χ^2/NDF: 34589815489.2/28

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

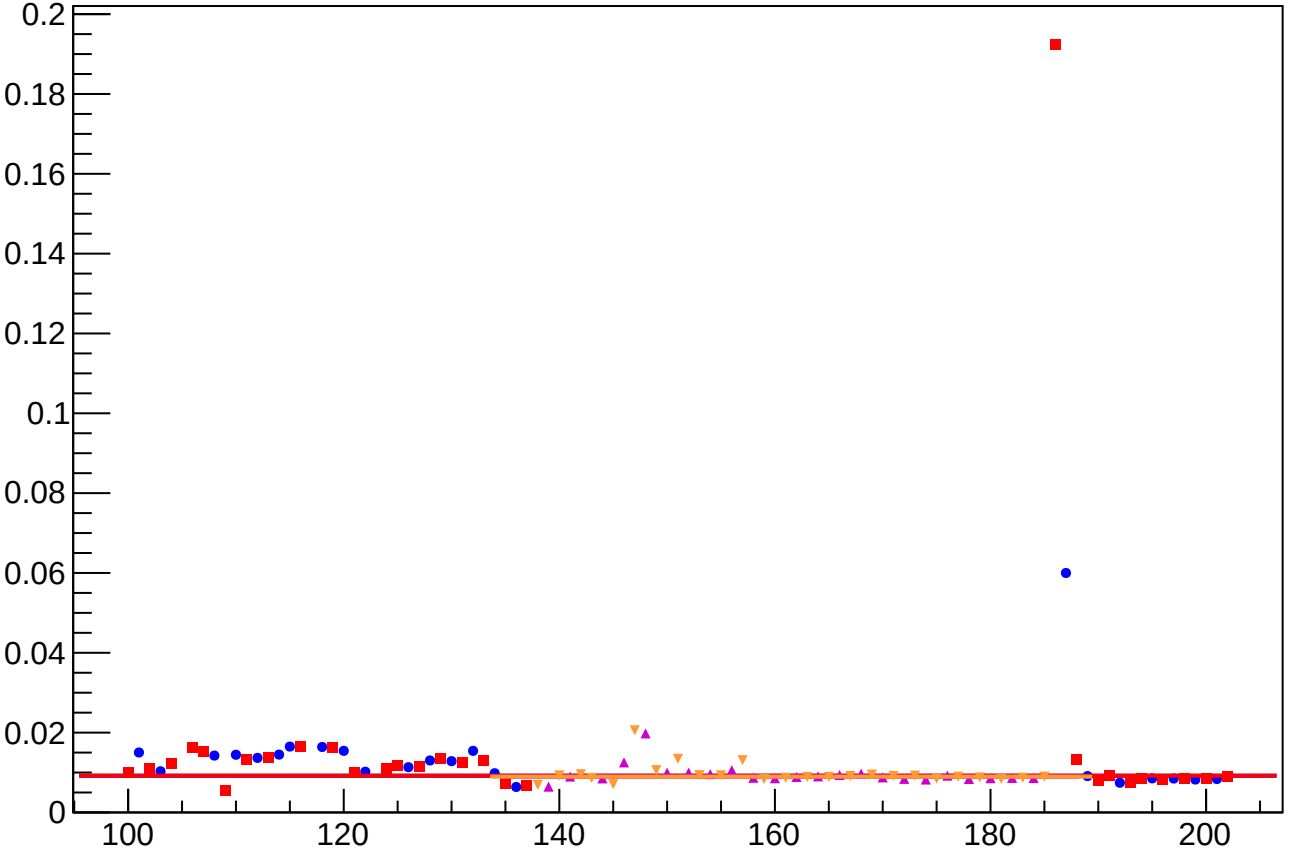
Right: 1.048+/-0.000 χ^2/NDF: 59169676162.0/51

In: 1.085+/-0.000 χ^2/NDF:98169872538.1/45

Out: 1.056+/-0.000 χ^2/NDF:129006503960.6/53

All: 1.070+/-0.000 χ^2/NDF: 227317204851.9

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1913728.1/22

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2383271.6/28

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

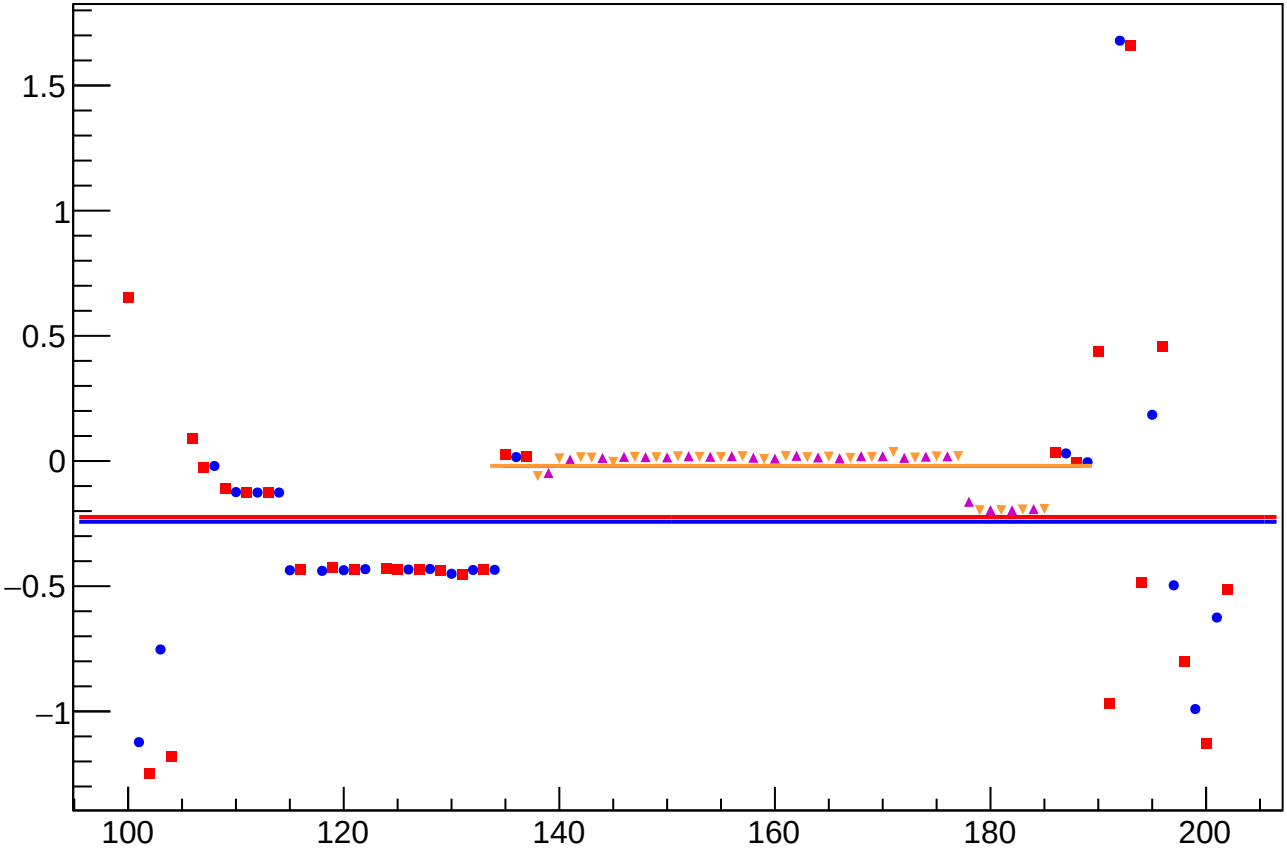
Right: 0.009+/-0.000 χ^2/NDF: 4297065.2/51

In: 0.009+/-0.000 χ^2/NDF:2890136.5/45

Out: 0.009+/-0.000 χ^2/NDF:3540286.8/53

All: 0.009+/-0.000 χ^2/NDF: 6430723.8/99

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.243+/-0.000 χ^2/NDF: 3174546138.6/22

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.224+/-0.000 χ^2/NDF: 2910216890.6/28

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

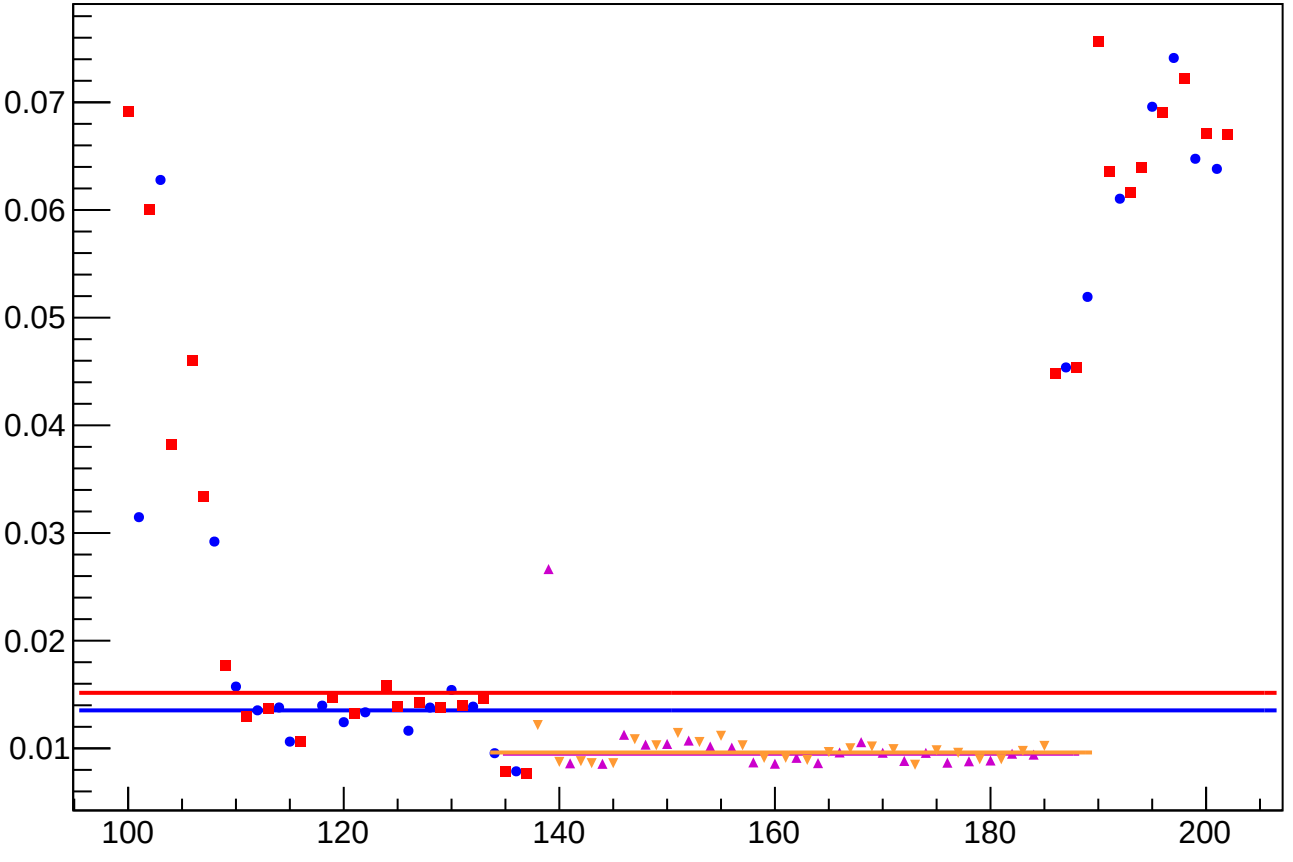
Right: -0.234+/-0.000 χ^2/NDF: 6091204222.1/51

In: -0.060+/-0.000 χ^2/NDF:5654005720.3/45

Out: -0.052+/-0.000 χ^2/NDF:5146989586.1/53

All: -0.056+/-0.000 χ^2/NDF: 10807693629.1/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 8172477.8/22

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 10370949.2/28

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

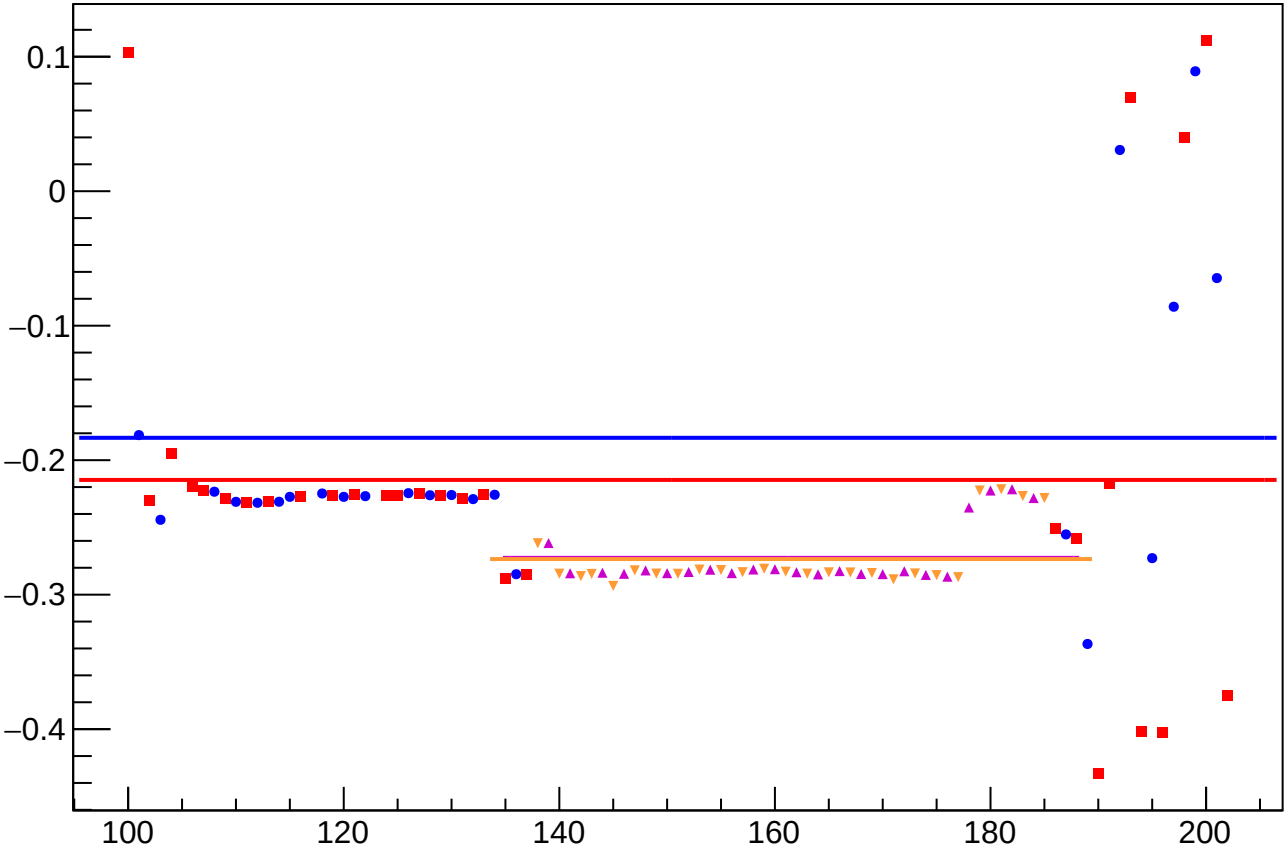
Right: 0.014+/-0.000 χ^2/NDF: 18636650.6/51

In: 0.010+/-0.000 χ^2/NDF:10052062.8/45

Out: 0.010+/-0.000 χ^2/NDF:12377137.2/53

All: 0.010+/-0.000 χ^2/NDF: 22445570.2/99

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.183+/-0.000 χ^2/NDF: 4966604133.9/22

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.215+/-0.000 χ^2/NDF: 8605223025.0/28

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

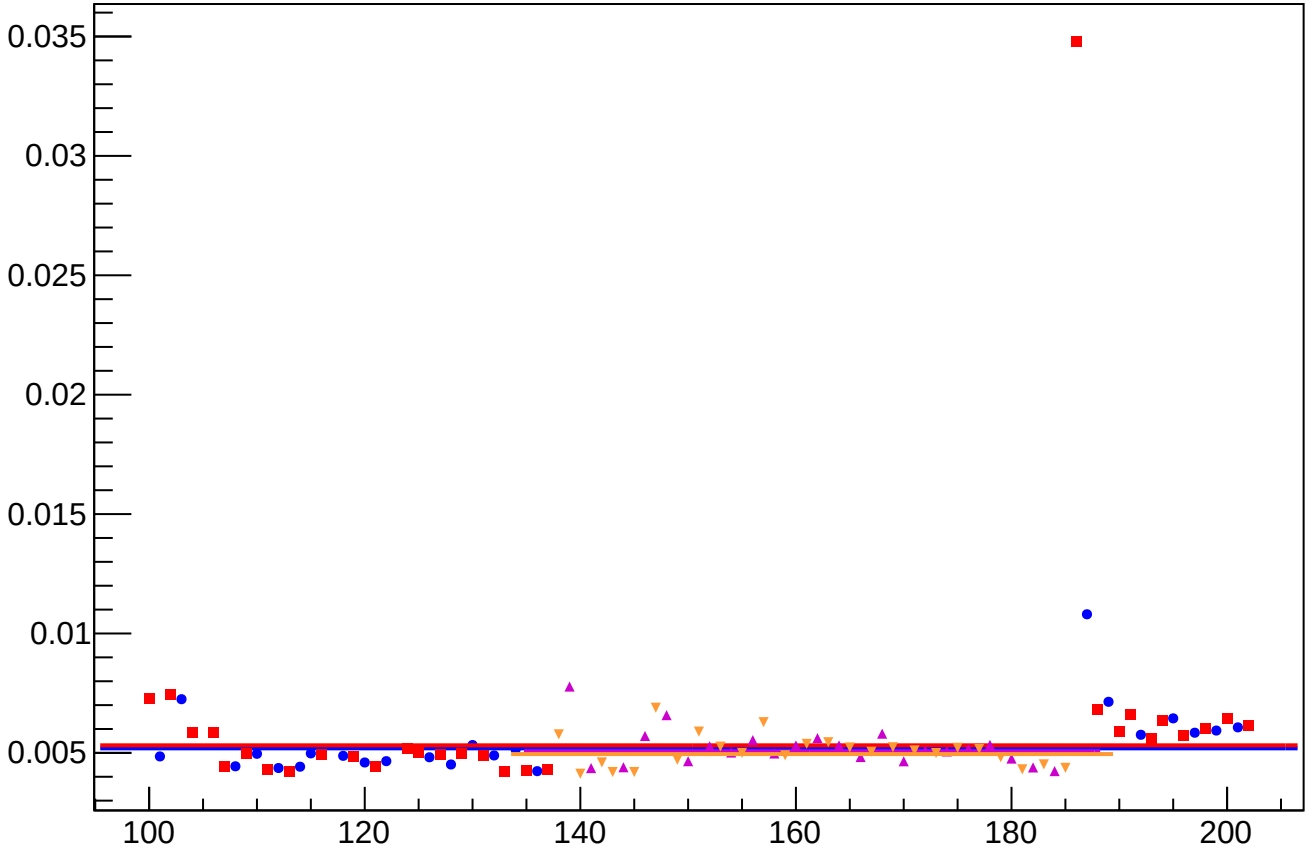
Right: -0.200+/-0.000 χ^2/NDF: 13784286627.7/51

In: -0.239+/-0.000 χ^2/NDF:7328979065.6/45

Out: -0.251+/-0.000 χ^2/NDF:9979157485.4/53

All: -0.245+/-0.000 χ^2/NDF: 17394655075.1/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 622330.4/22

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1271316.3/28

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

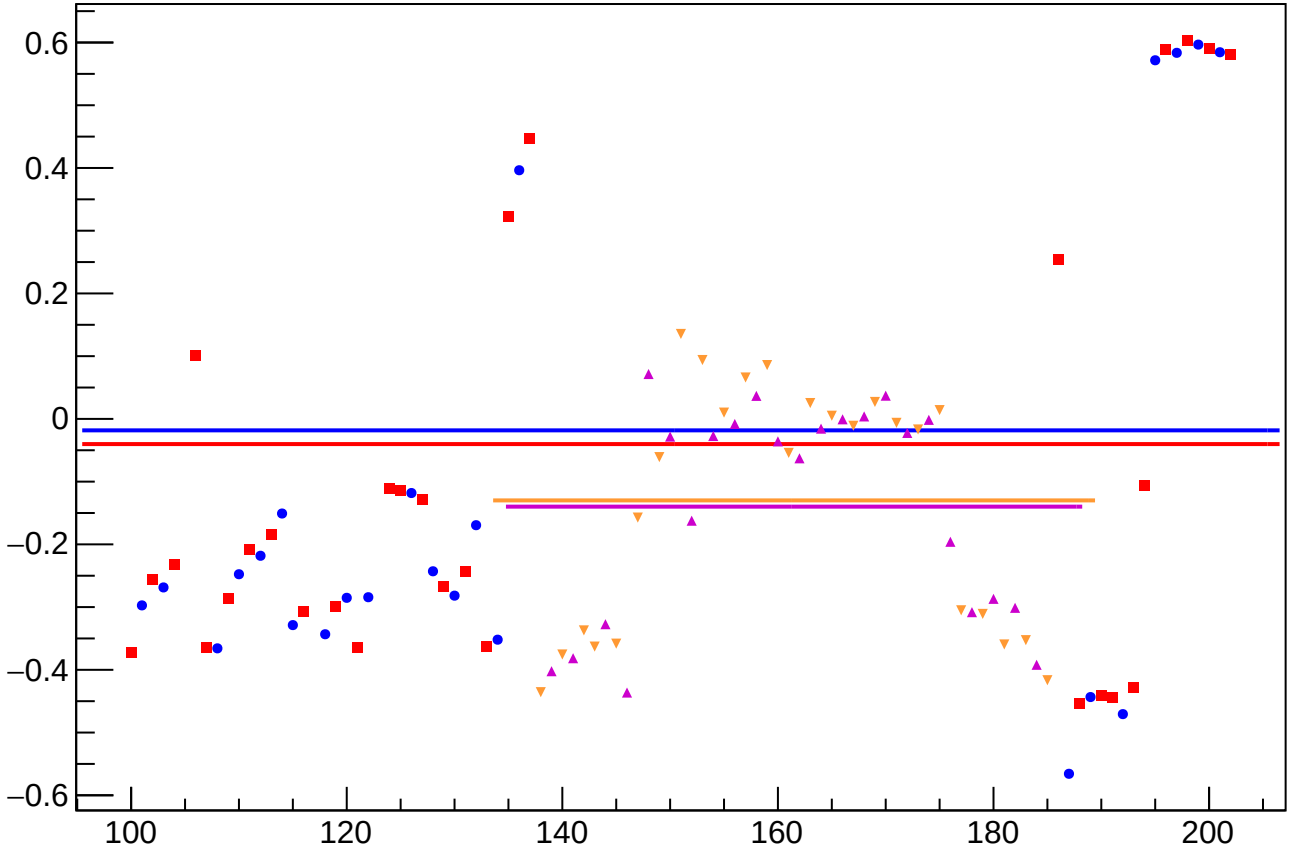
Right: 0.005+/-0.000 χ^2/NDF: 1900570.3/51

In: 0.005+/-0.000 χ^2/NDF:1169485.6/45

Out: 0.005+/-0.000 χ^2/NDF:1875973.3/53

All: 0.005+/-0.000 χ^2/NDF: 3046069.0/99

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.000 χ^2/NDF: 45244493735.3/22

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.040+/-0.000 χ^2/NDF: 46815119762.0/28

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

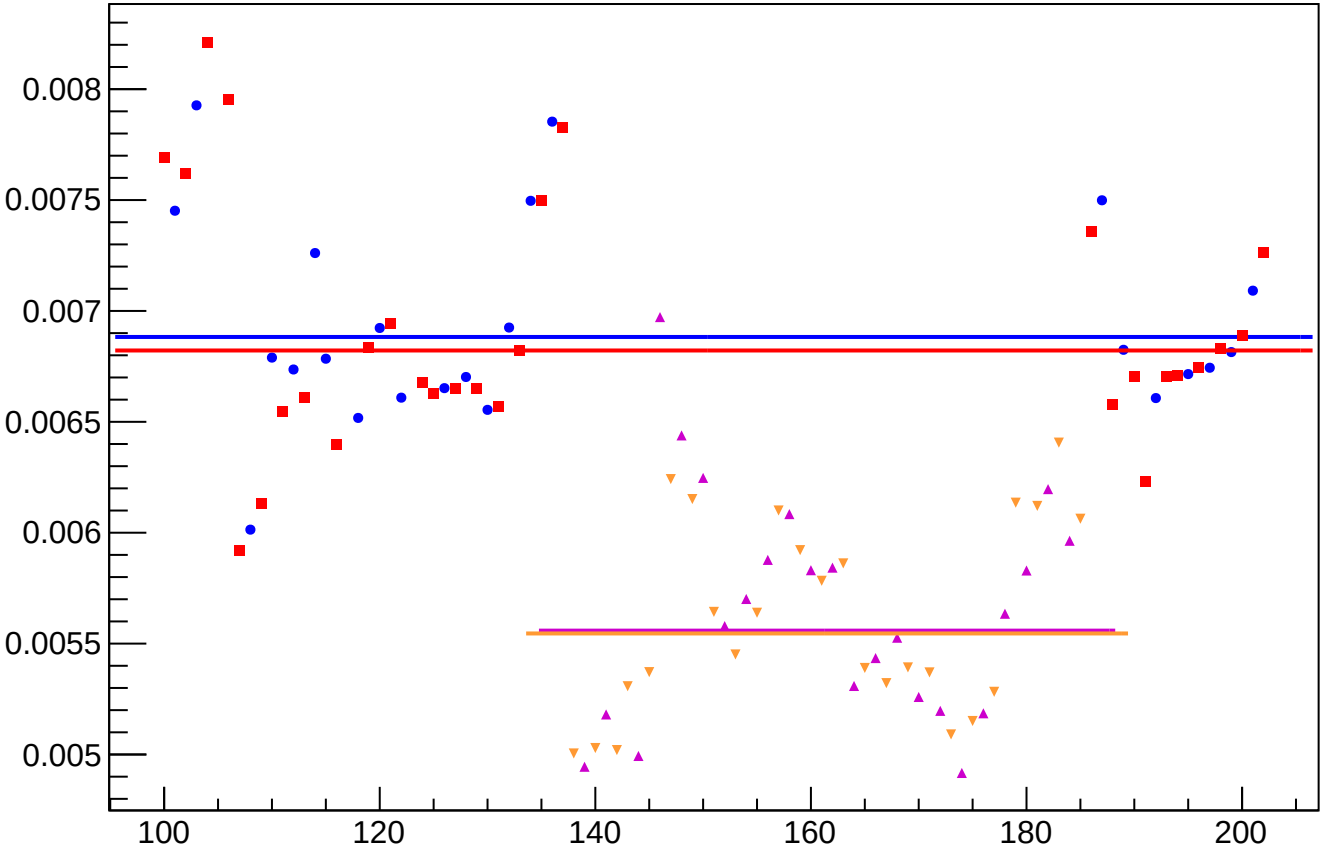
Right: -0.030+/-0.000 χ^2/NDF: 92126210549.3/51

In: -0.102+/-0.000 χ^2/NDF:62986251152.8/45

Out: -0.100+/-0.000 χ^2/NDF:69941092356.9/53

All: -0.101+/-0.000 χ^2/NDF: 132929472445.

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 95415.4/22

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 119334.5/28

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

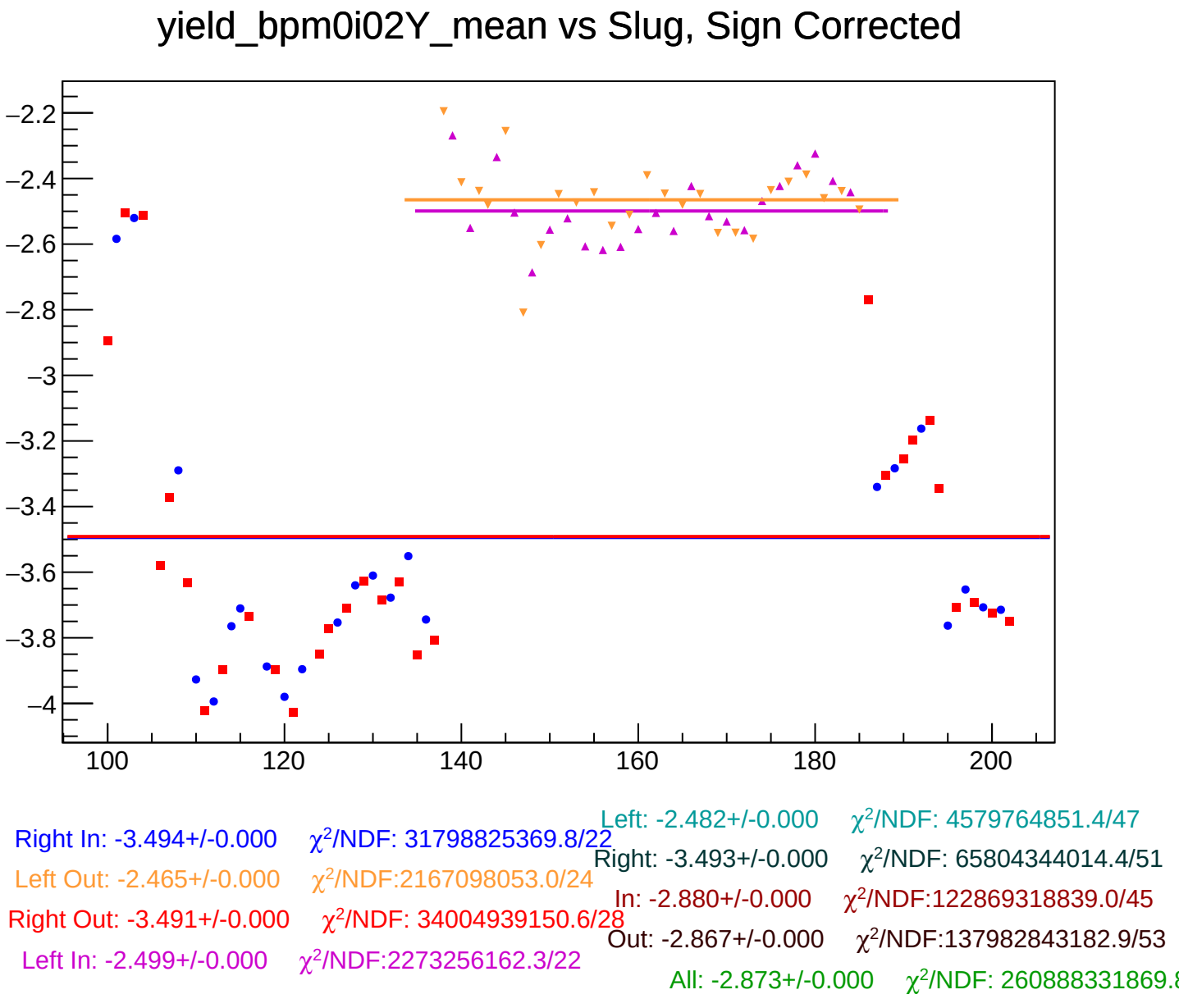
Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

Right: 0.007+/-0.000 χ^2/NDF: 215784.8/51

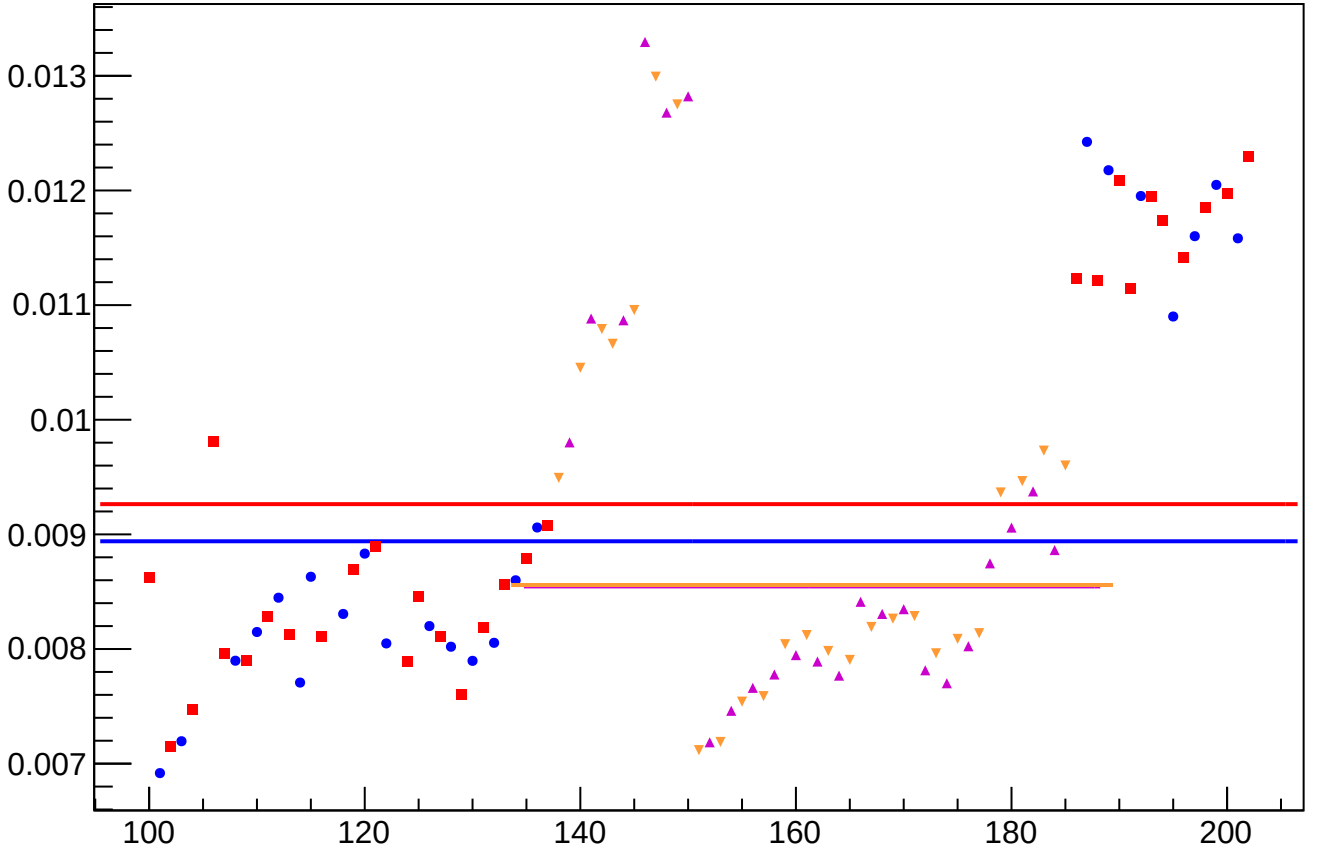
In: 0.006+/-0.000 χ^2/NDF:971330.5/45

Out: 0.006+/-0.000 χ^2/NDF:979451.8/53

All: 0.006+/-0.000 χ^2/NDF: 1950798.2/99


yield_bpm0i02Y_mean vs Slug, Sign Corrected
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
120
140
160
180
200
Right In: -3.494+/-0.000 χ²/NDF: 31798825369.8/22
Left Out: -2.465+/-0.000 χ²/NDF:2167098053.0/24
Right Out: -3.491+/-0.000 χ²/NDF: 34004939150.6/28
Left In: -2.499+/-0.000 χ²/NDF:2273256162.3/22
Left: -2.482+/-0.000 χ²/NDF: 4579764851.4/47
Right: -3.493+/-0.000 χ²/NDF: 65804344014.4/51
In: -2.880+/-0.000 χ²/NDF:122869318839.0/45
Out: -2.867+/-0.000 χ²/NDF:137982843182.9/53
All: -2.873+/-0.000 χ²/NDF: 260888331869.8

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 836869.6/22

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 977382.0/28

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

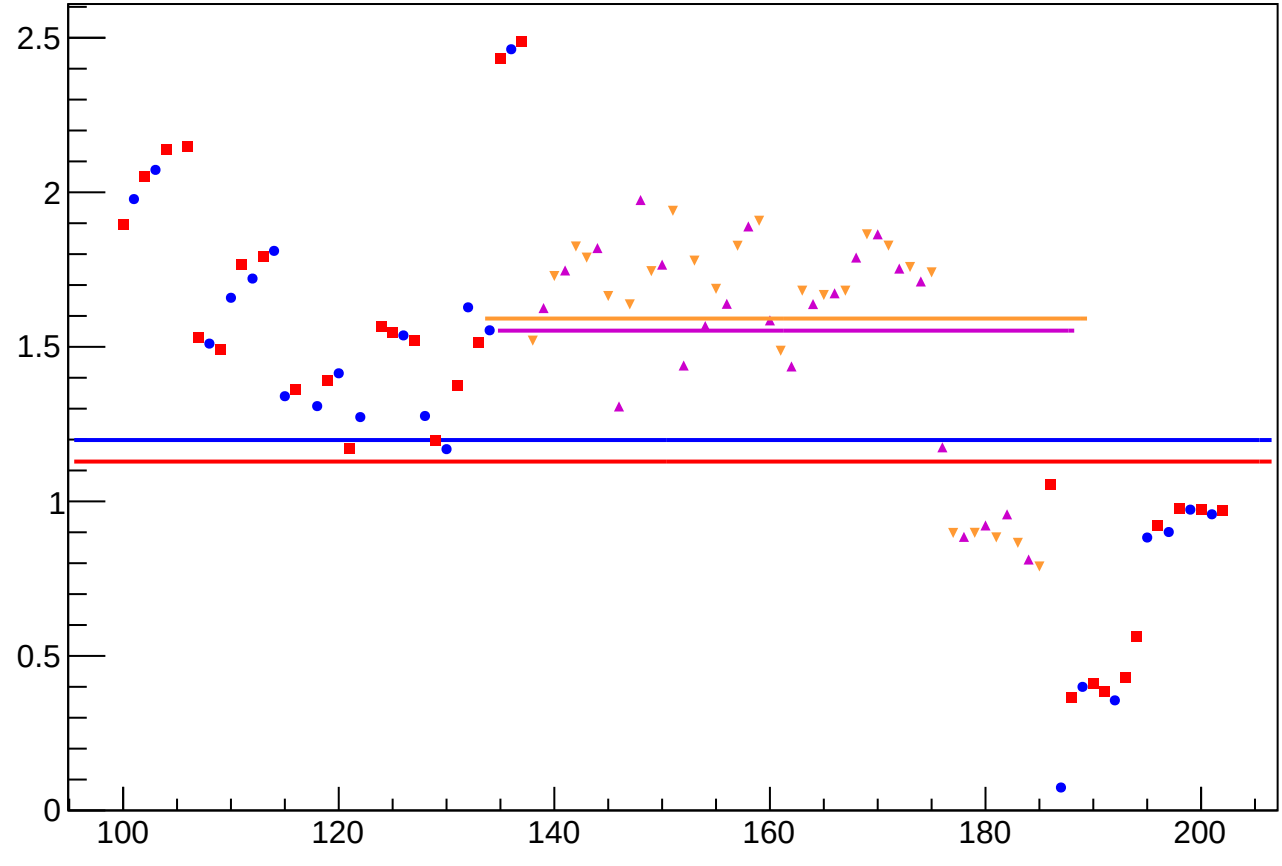
Right: 0.009+/-0.000 χ^2/NDF: 1830181.8/51

In: 0.009+/-0.000 χ^2/NDF:1775469.5/45

Out: 0.009+/-0.000 χ^2/NDF:1897609.9/53

All: 0.009+/-0.000 χ^2/NDF: 3680508.0/99

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.198+/-0.000 χ^2/NDF: 28730906467.0/22

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.129+/-0.000 χ^2/NDF: 34229915448.4/28

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

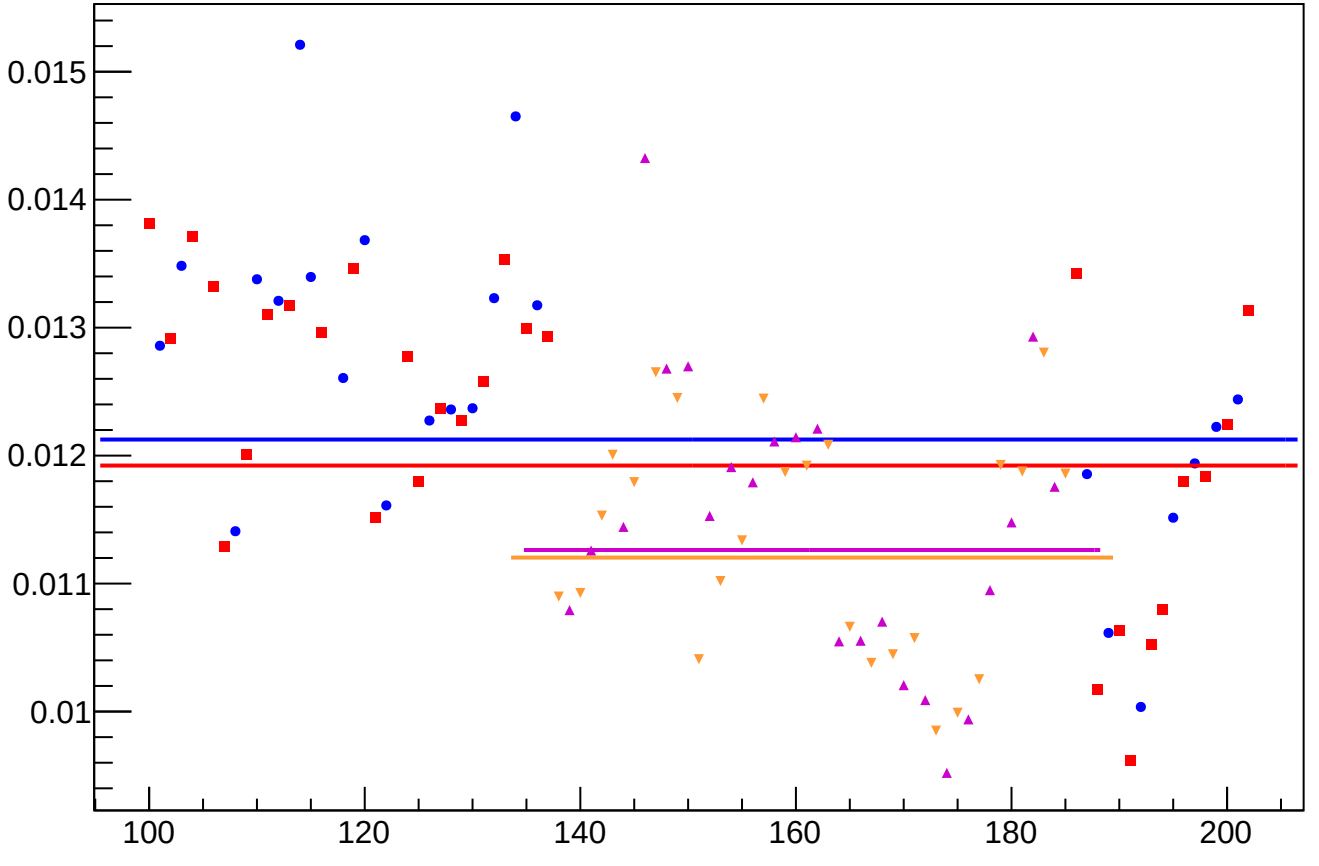
Right: 1.160+/-0.000 χ^2/NDF: 63177700884.4/51

In: 1.420+/-0.000 χ^2/NDF:49185380693.7/45

Out: 1.405+/-0.000 χ^2/NDF:63983482976.4/53

All: 1.412+/-0.000 χ^2/NDF: 113194142487.0

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 206269.2/22

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 262536.3/28

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

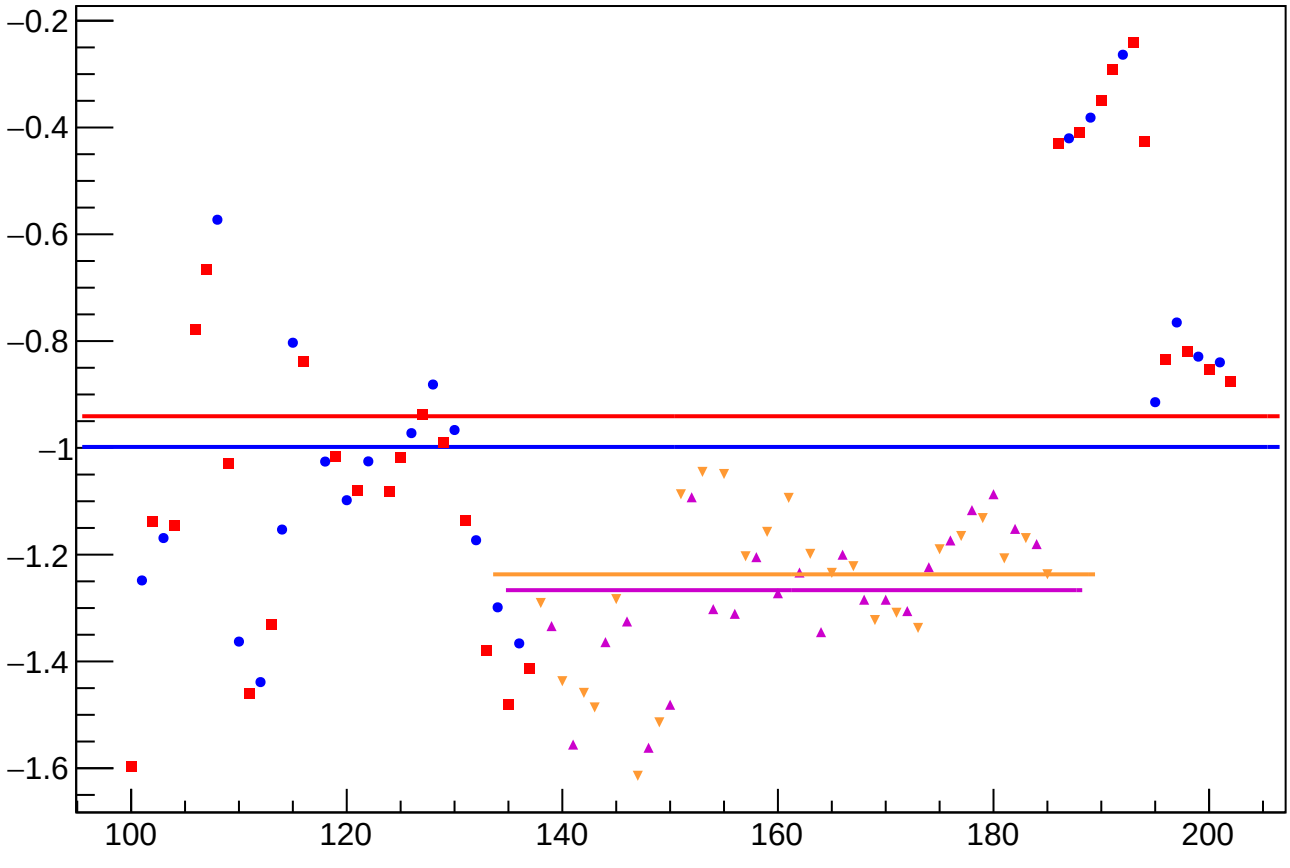
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 472505.8/51

In: 0.012+/-0.000 χ^2/NDF:594074.7/45

Out: 0.011+/-0.000 χ^2/NDF:547364.0/53

All: 0.012+/-0.000 χ^2/NDF: 1143415.4/99



Right In: -0.998+/-0.000 χ^2/NDF: 11630215364.6/22

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.941+/-0.000 χ^2/NDF: 16579309416.3/28

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

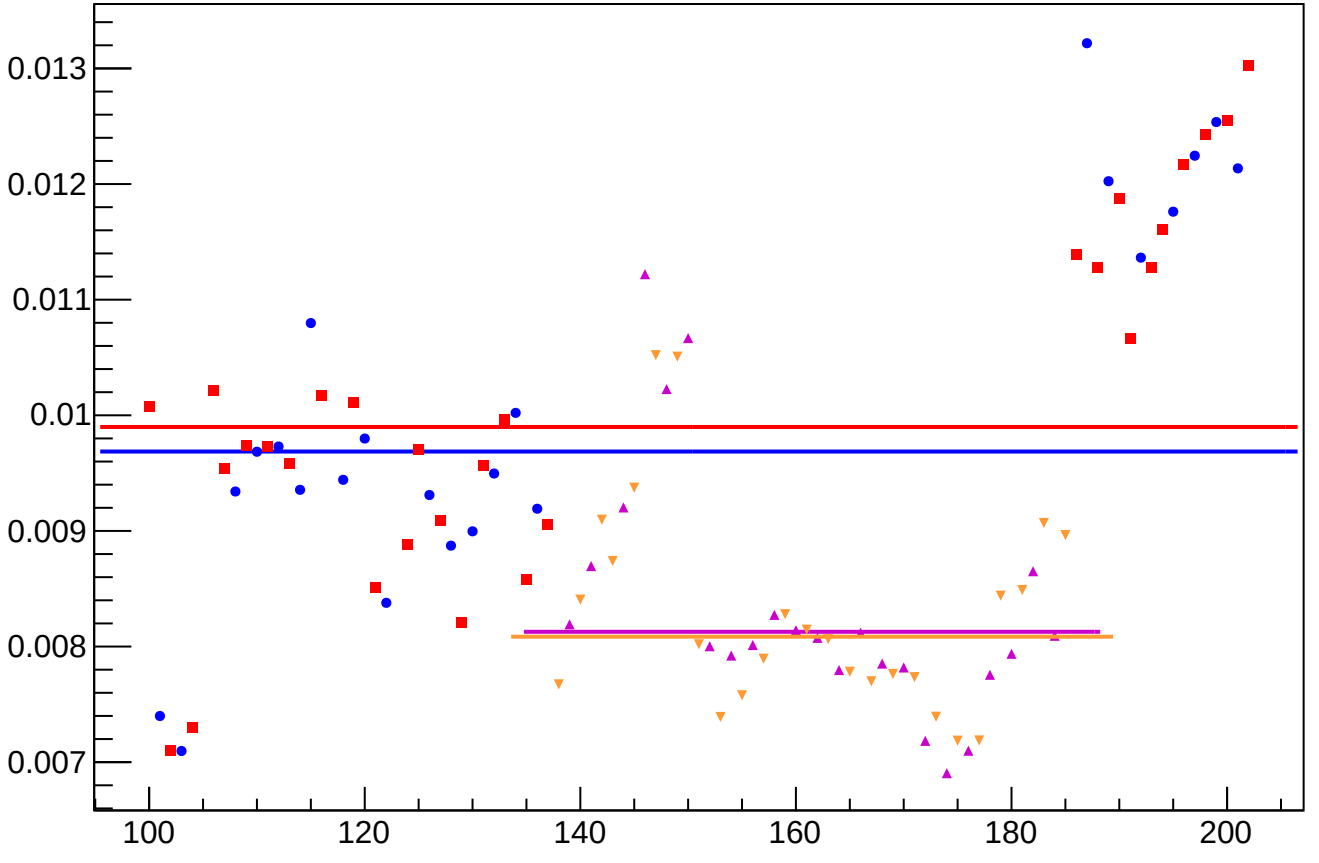
Right: -0.968+/-0.000 χ^2/NDF: 28424951806.5/51

In: -1.180+/-0.000 χ^2/NDF:21312000422.1/45

Out: -1.138+/-0.000 χ^2/NDF:29633930892.3/53

All: -1.158+/-0.000 χ^2/NDF: 51296535233.5/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 702143.0/22

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 840833.9/28

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

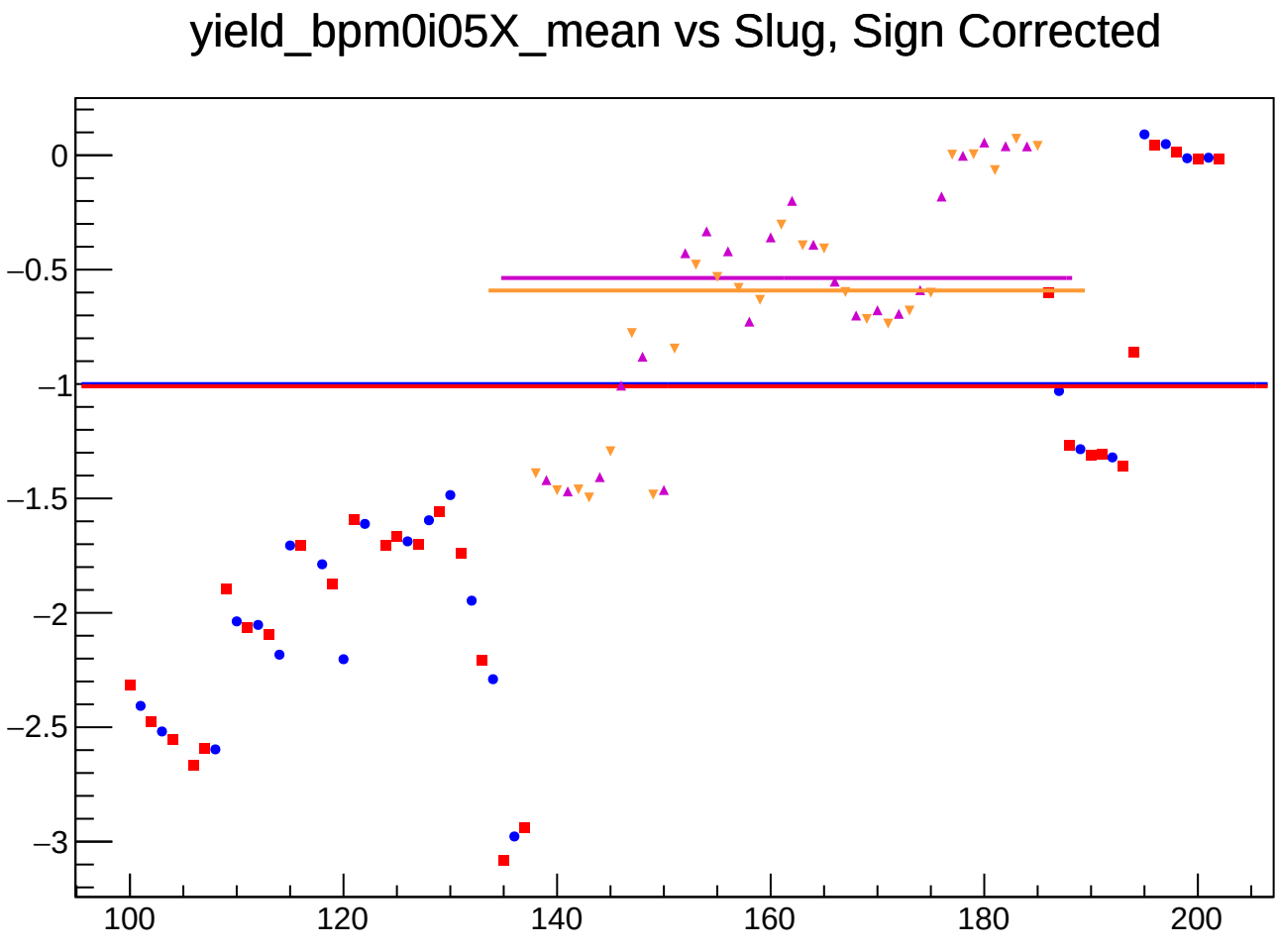
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.010+/-0.000 χ^2/NDF: 1548854.0/51

In: 0.009+/-0.000 χ^2/NDF:1517040.0/45

Out: 0.009+/-0.000 χ^2/NDF:1774193.8/53

All: 0.009+/-0.000 χ^2/NDF: 3292680.9/99



Right In: -1.000+/-0.000 χ^2/NDF: 297245943308.6/22

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.010+/-0.000 χ^2/NDF: 319203426998.3/28

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

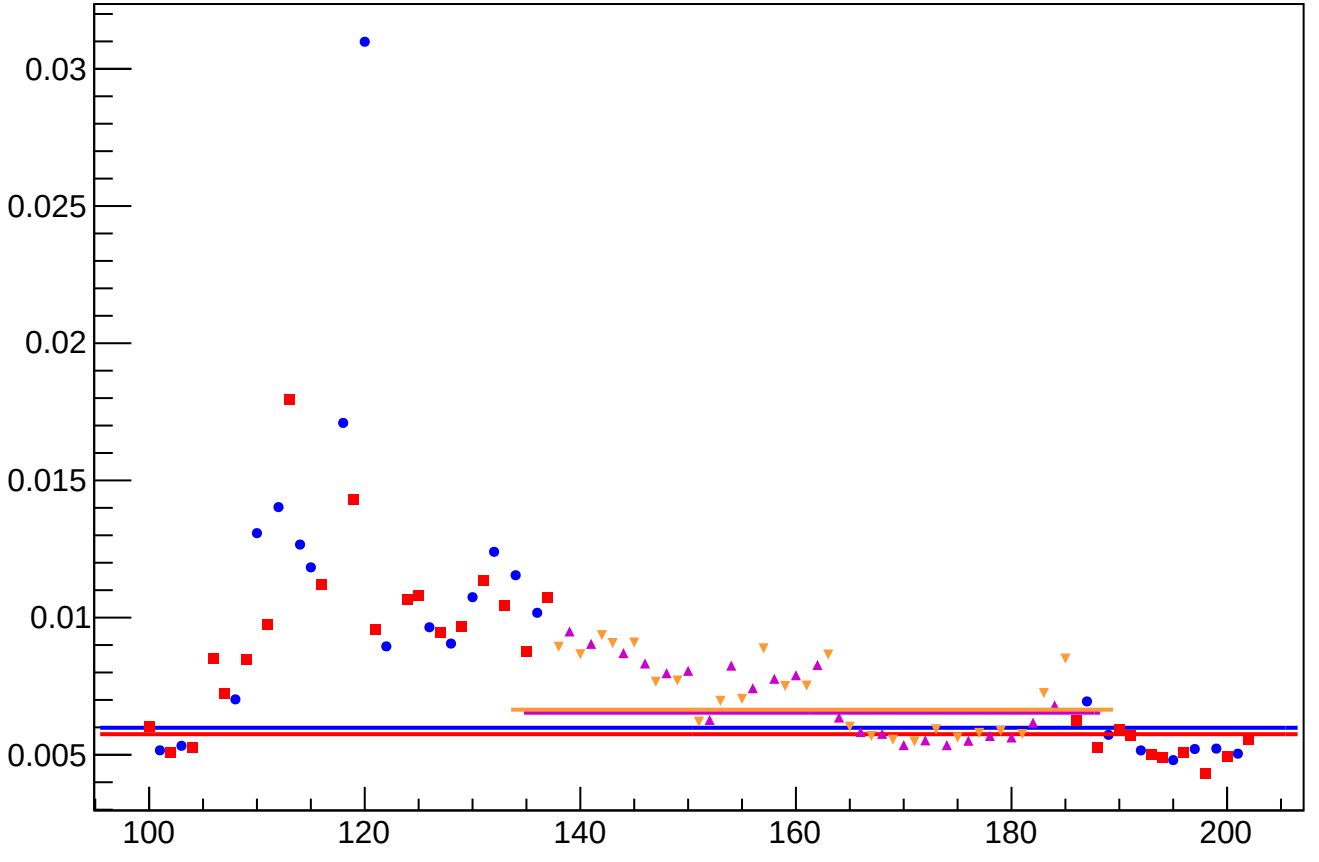
Right: -1.006+/-0.000 χ^2/NDF: 616462892249.3/51

In: -0.729+/-0.000 χ^2/NDF:400591479865.6/45

Out: -0.793+/-0.000 χ^2/NDF:423861159259.8/53

All: -0.763+/-0.000 χ^2/NDF: 825826416727.2

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2459318.4/22

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2346568.5/28

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

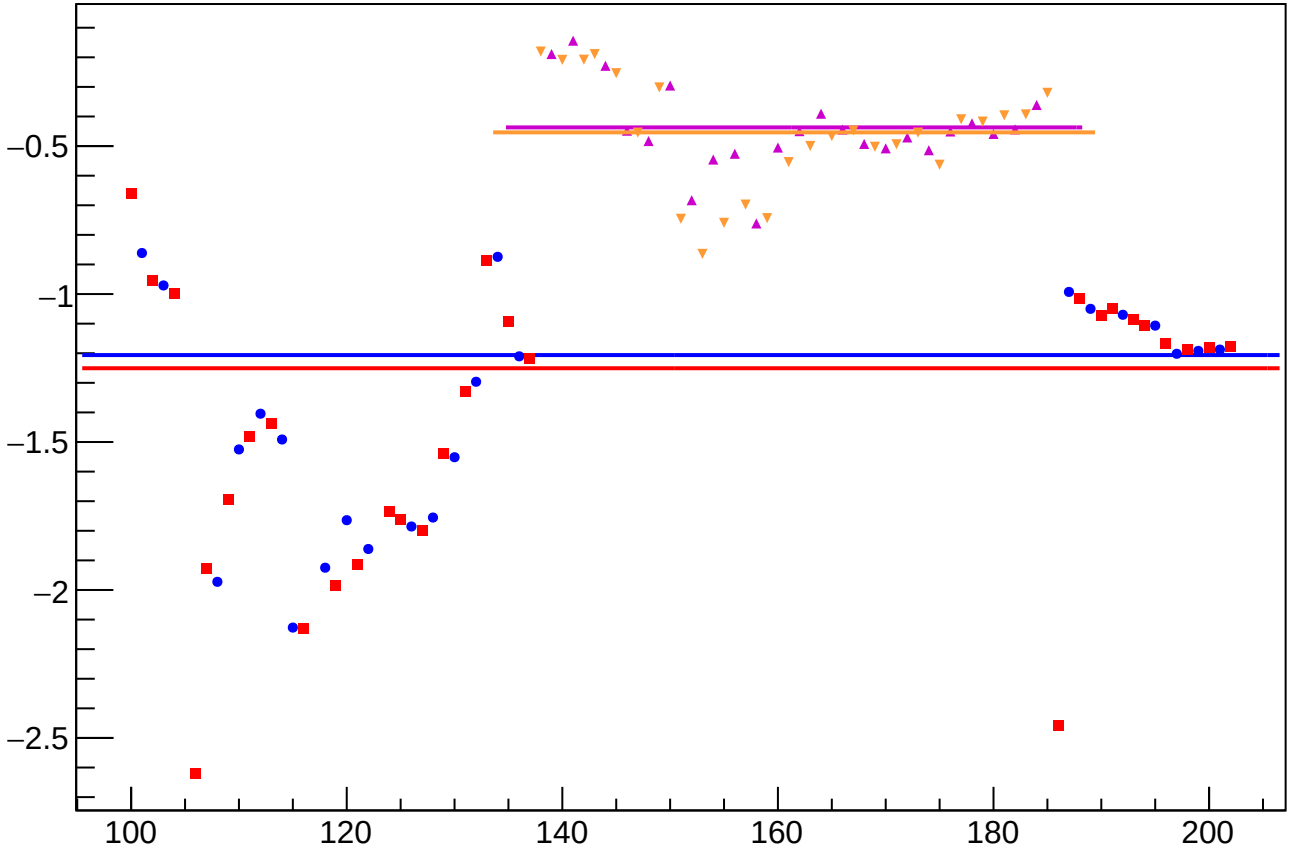
Right: 0.006+/-0.000 χ^2/NDF: 4822385.7/51

In: 0.006+/-0.000 χ^2/NDF:3703669.9/45

Out: 0.006+/-0.000 χ^2/NDF:3730317.9/53

All: 0.006+/-0.000 χ^2/NDF: 7439705.1/99

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.206+/-0.000 χ^2/NDF: 27068777236.8/22

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.251+/-0.000 χ^2/NDF: 71977861554.8/28

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

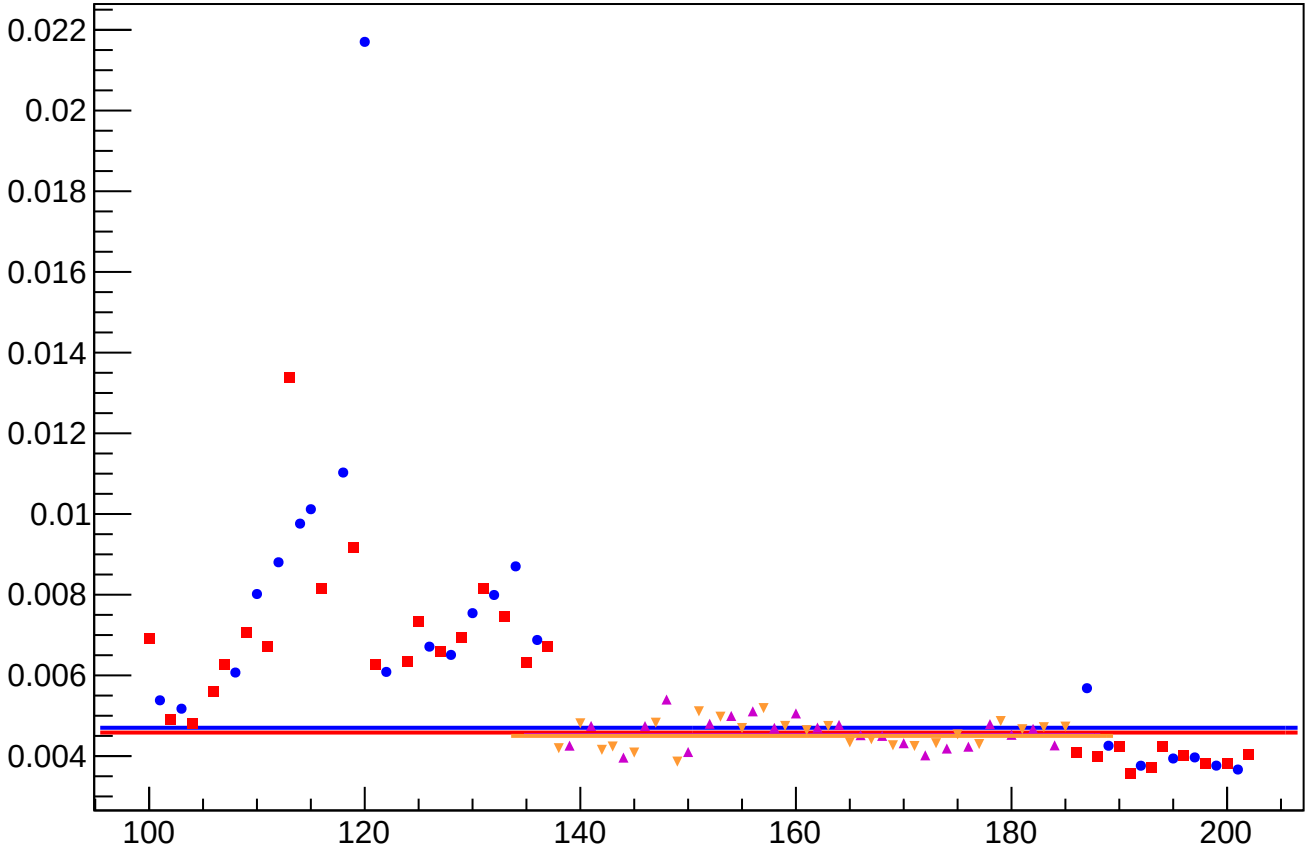
Right: -1.231+/-0.000 χ^2/NDF: 99536694228.6/51

In: -0.706+/-0.000 χ^2/NDF:212296196688.2/45

Out: -0.768+/-0.000 χ^2/NDF:319263779001.2/53

All: -0.739+/-0.000 χ^2/NDF: 534170838912.3

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2132564.2/22

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1844119.4/28

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

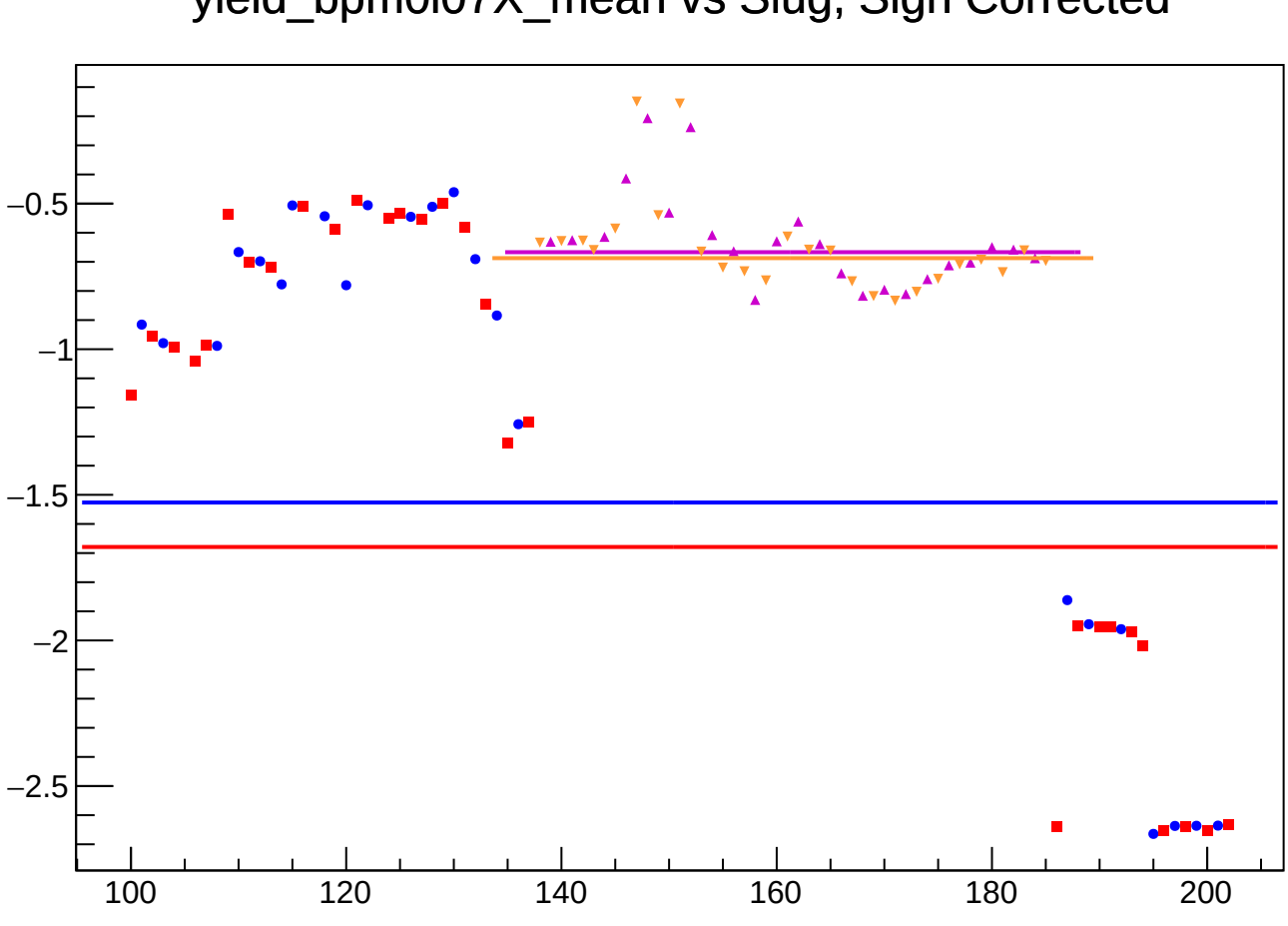
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 3983685.7/51

In: 0.005+/-0.000 χ^2/NDF:2363383.2/45

Out: 0.005+/-0.000 χ^2/NDF:2037964.0/53

All: 0.005+/-0.000 χ^2/NDF: 4404776.5/99



Right In: -1.526+/-0.000 χ^2/NDF: 198684543207.5/22

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.679+/-0.000 χ^2/NDF: 273379849986.0/28

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

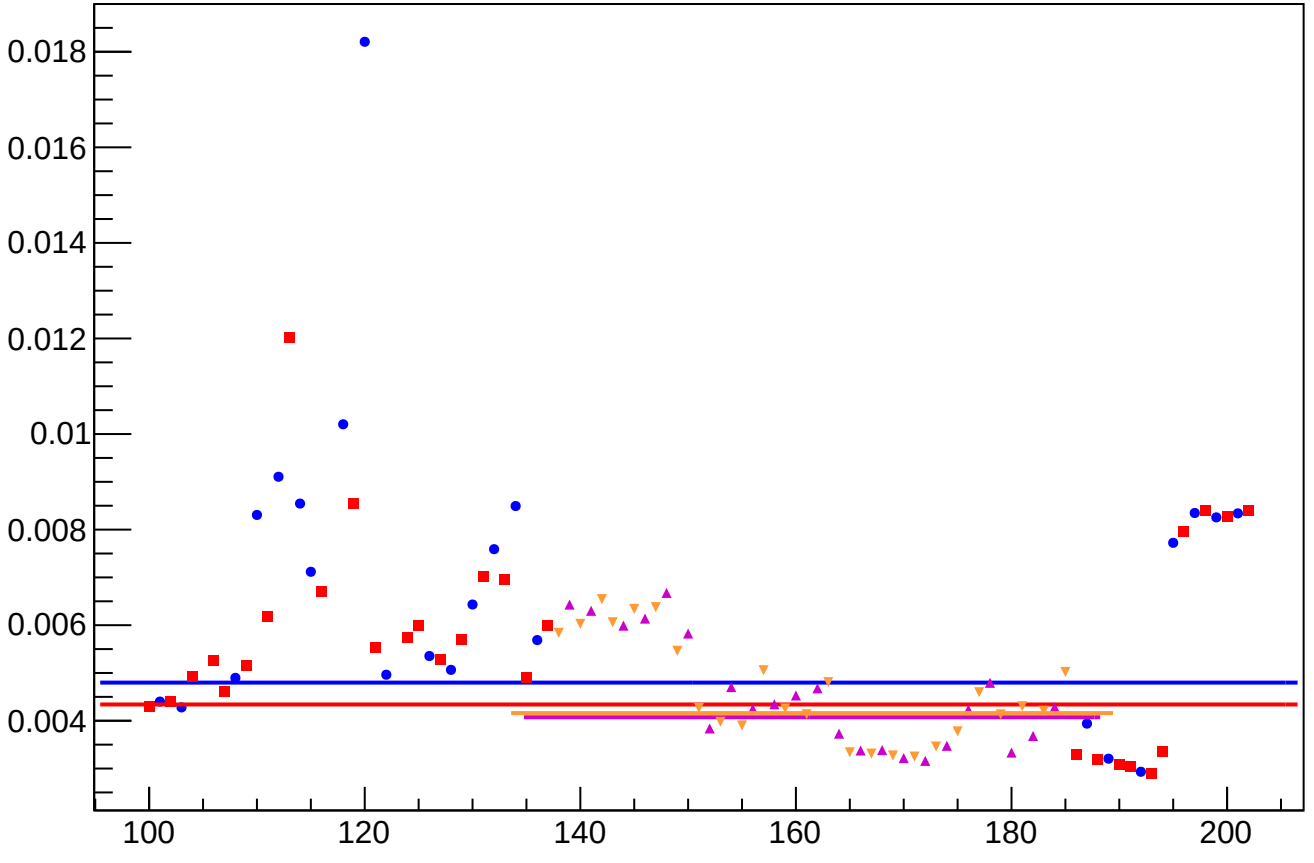
Right: -1.617+/-0.000 χ^2/NDF: 477725978161.5/51

In: -0.924+/-0.000 χ^2/NDF:431970104271.8/45

Out: -1.068+/-0.000 χ^2/NDF:660623959640.5/53

All: -1.002+/-0.000 χ^2/NDF: 1107688383498

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3318936.7/22

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3591021.8/28

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

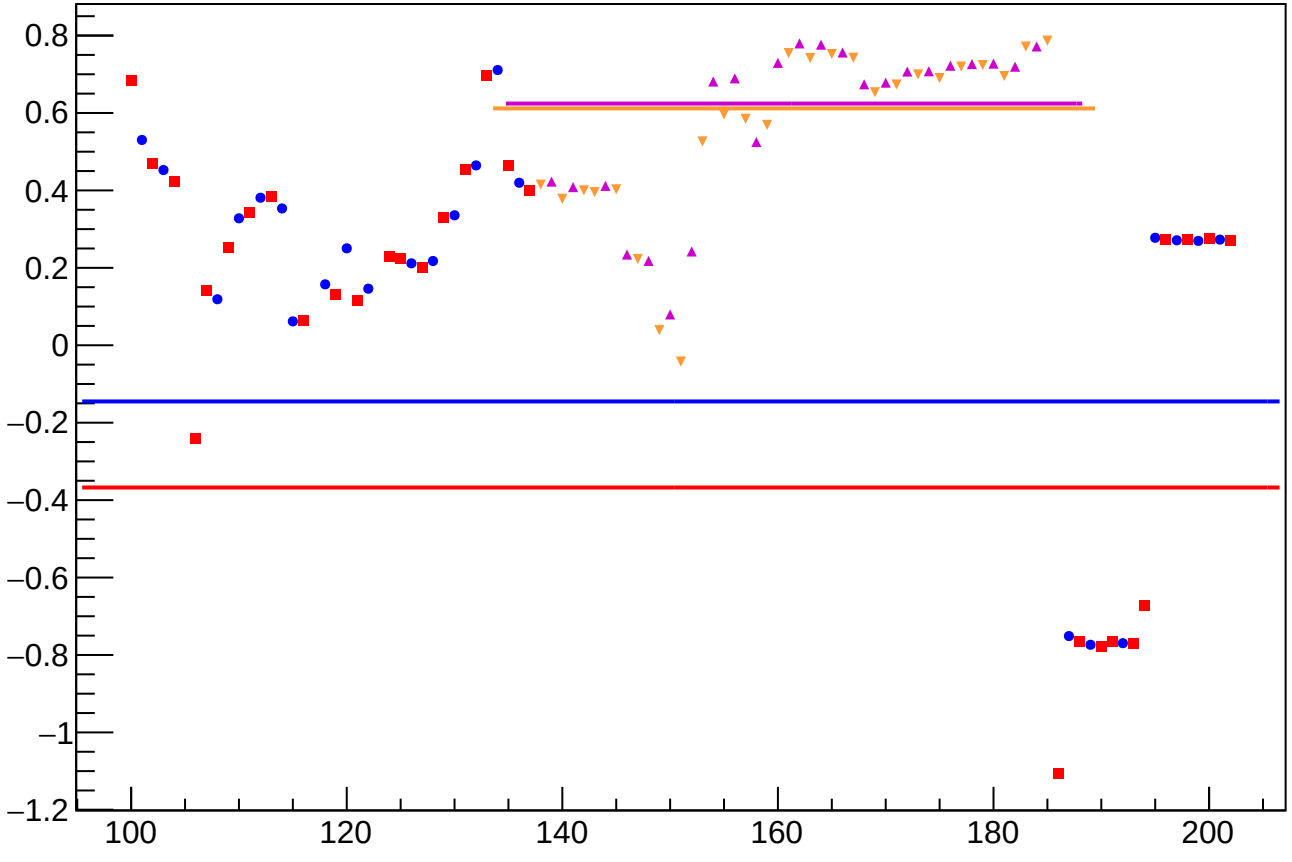
Right: 0.005+/-0.000 χ^2/NDF: 7011740.9/51

In: 0.004+/-0.000 χ^2/NDF:5369749.7/45

Out: 0.004+/-0.000 χ^2/NDF:5135211.3/53

All: 0.004+/-0.000 χ^2/NDF: 10510274.6/99

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.145+/-0.000 χ^2/NDF: 290582255182.0/22

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.367+/-0.000 χ^2/NDF: 455323803859.6/28

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

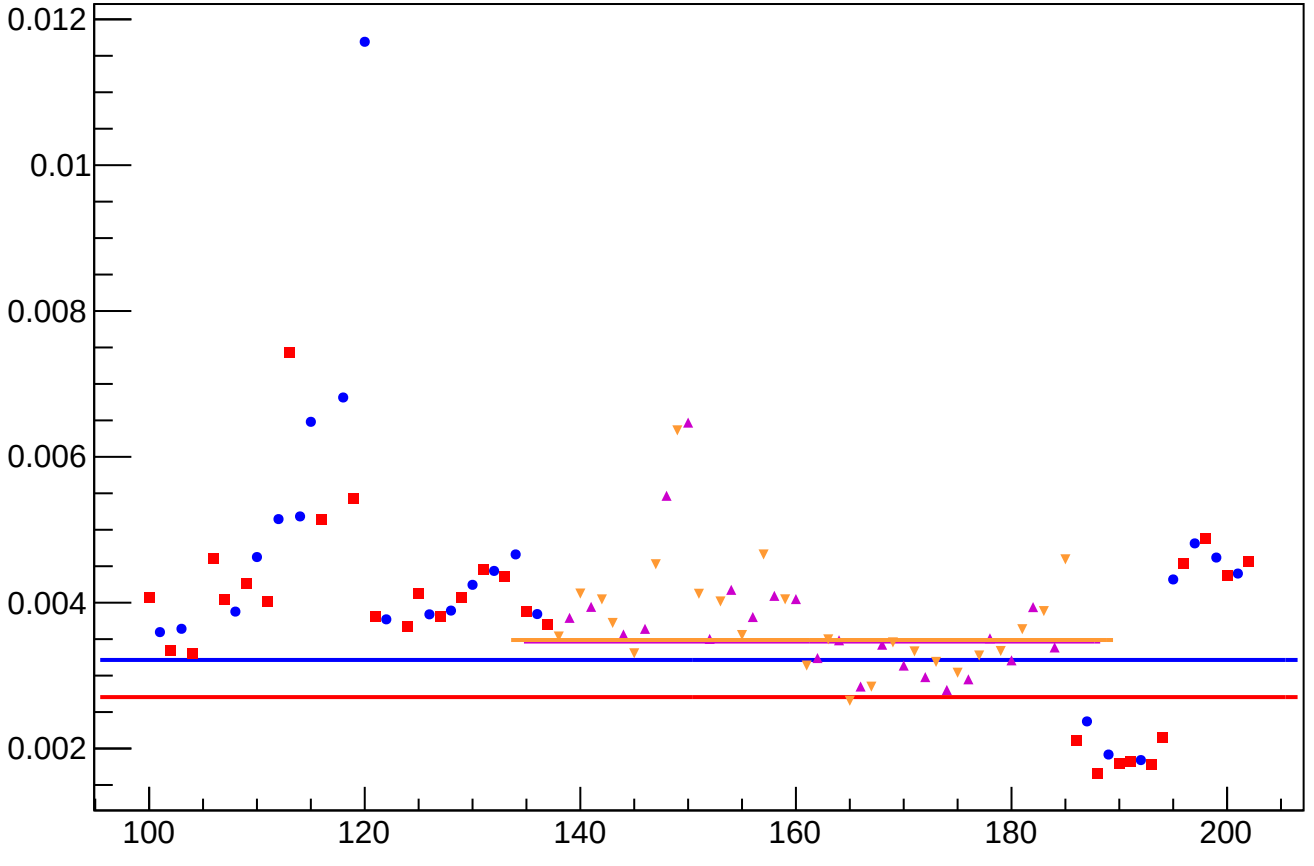
Right: -0.282+/-0.000 χ^2/NDF: 774555708359.9/51

In: 0.297+/-0.000 χ^2/NDF:650144934145.7/45

Out: 0.088+/-0.000 χ^2/NDF:1177430024316.3/53

All: 0.179+/-0.000 χ^2/NDF: 1881706016931.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3058974.5/22

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4247577.1/28

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

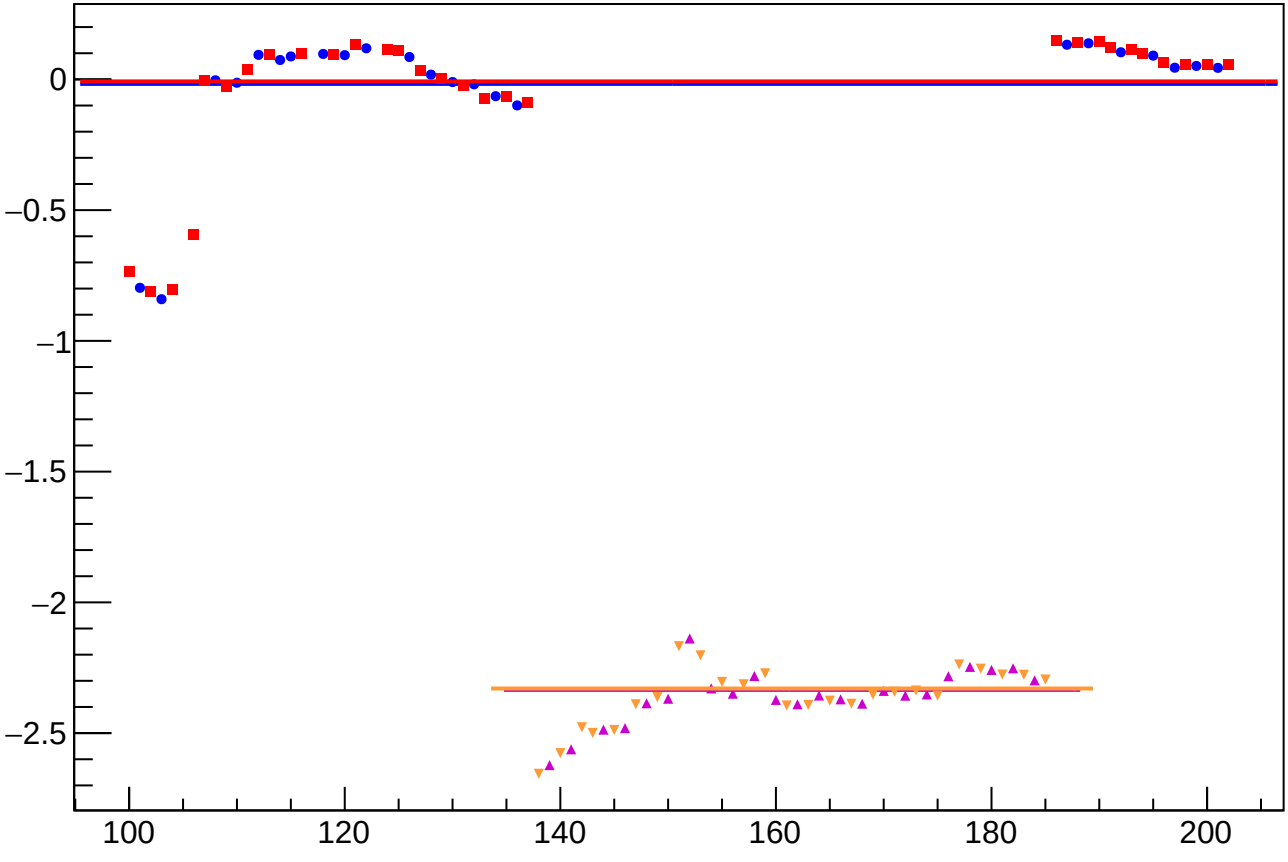
Right: 0.003+/-0.000 χ^2/NDF: 7607513.0/51

In: 0.003+/-0.000 χ^2/NDF:4021695.8/45

Out: 0.003+/-0.000 χ^2/NDF:5962955.0/53

All: 0.003+/-0.000 χ^2/NDF: 10193670.4/99

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.000 χ^2/NDF: 6350342982.9/22

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.008+/-0.000 χ^2/NDF: 7697899643.2/28

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

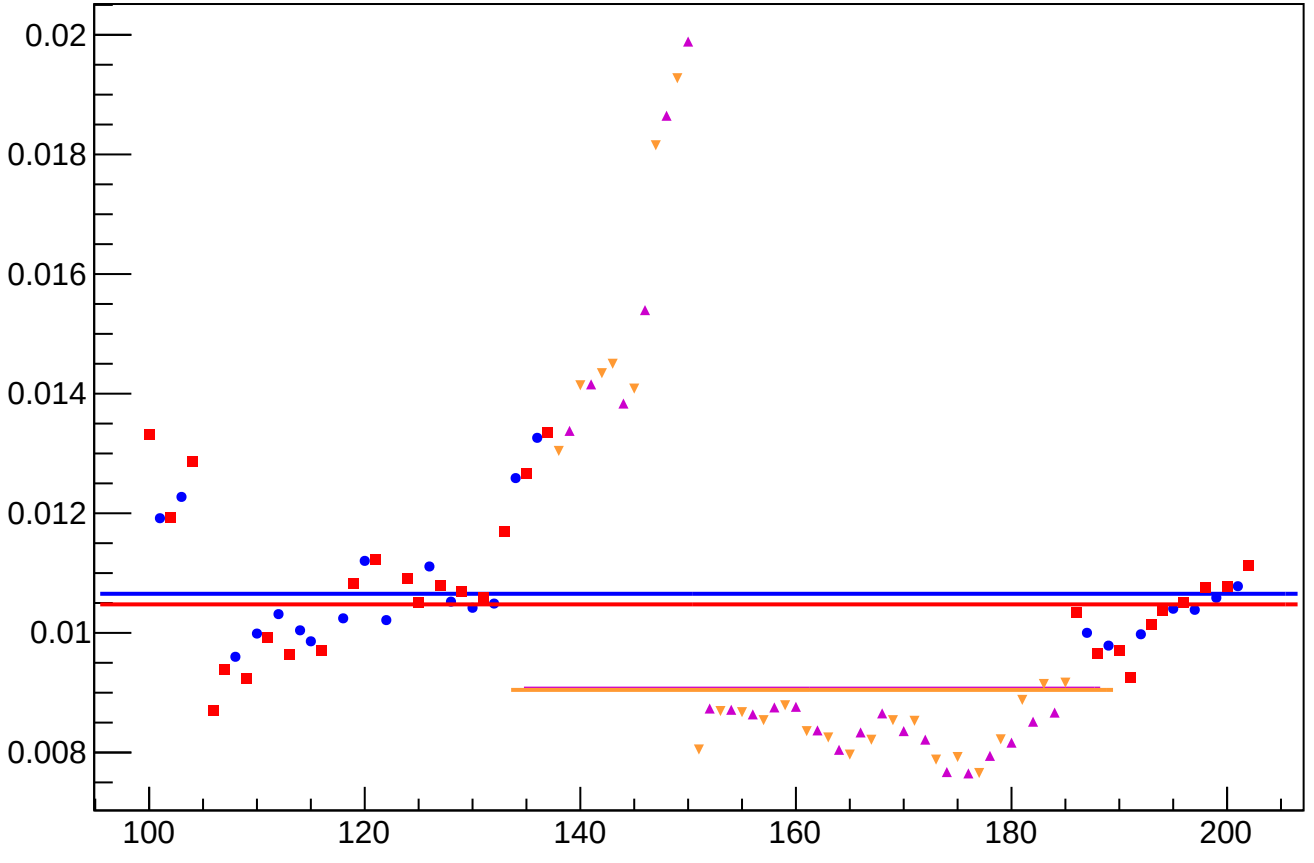
Right: -0.012+/-0.000 χ^2/NDF: 14053472736.7/51

In: -1.547+/-0.000 χ^2/NDF:388813624939.4/45

Out: -1.467+/-0.000 χ^2/NDF:454450371083.2/53

All: -1.505+/-0.000 χ^2/NDF: 844333358546.5

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 166620.1/22

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 230950.1/28

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

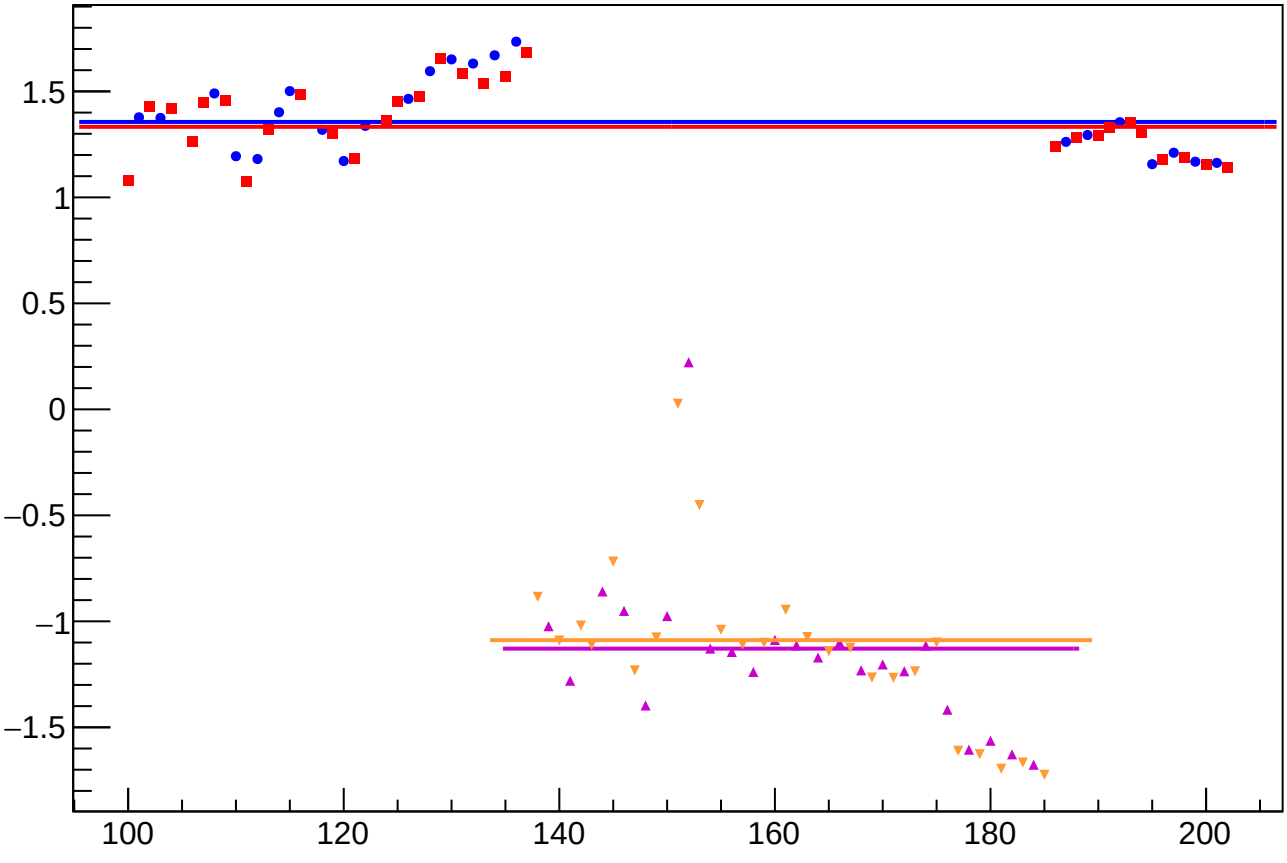
Right: 0.011+/-0.000 χ^2/NDF: 401273.7/51

In: 0.010+/-0.000 χ^2/NDF:2657422.0/45

Out: 0.010+/-0.000 χ^2/NDF:2617110.7/53

All: 0.010+/-0.000 χ^2/NDF: 5274812.0/99

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.356+/-0.000 χ^2/NDF: 6715938481.6/22

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.333+/-0.000 χ^2/NDF: 5455510591.0/28

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

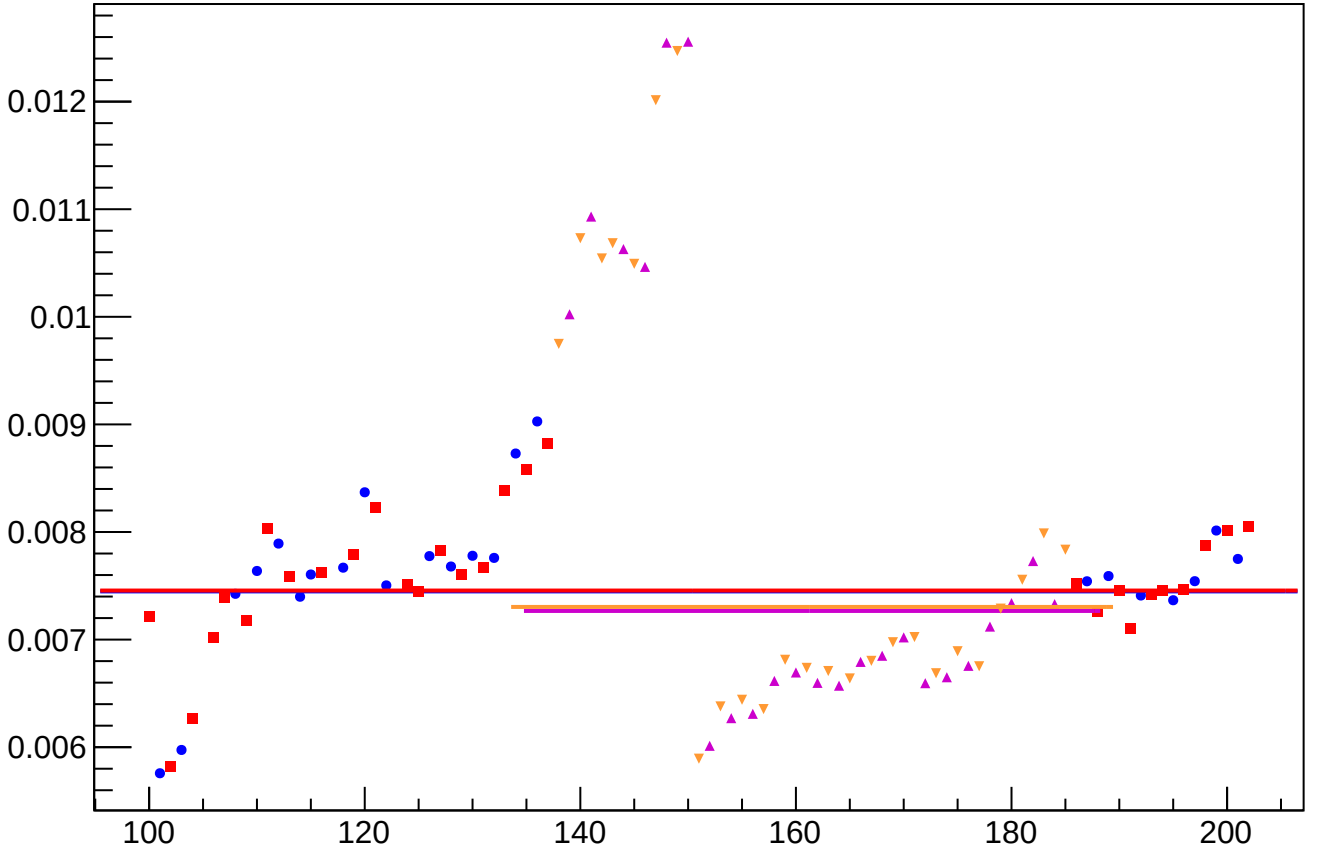
Right: 1.343+/-0.000 χ^2/NDF: 12234460569.9/51

In: -0.141+/-0.000 χ^2/NDF:877799011191.0/45

Out: -0.053+/-0.000 χ^2/NDF:935891602519.8/53

All: -0.095+/-0.000 χ^2/NDF: 1815932972065

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 285661.6/22

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 224966.1/28

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

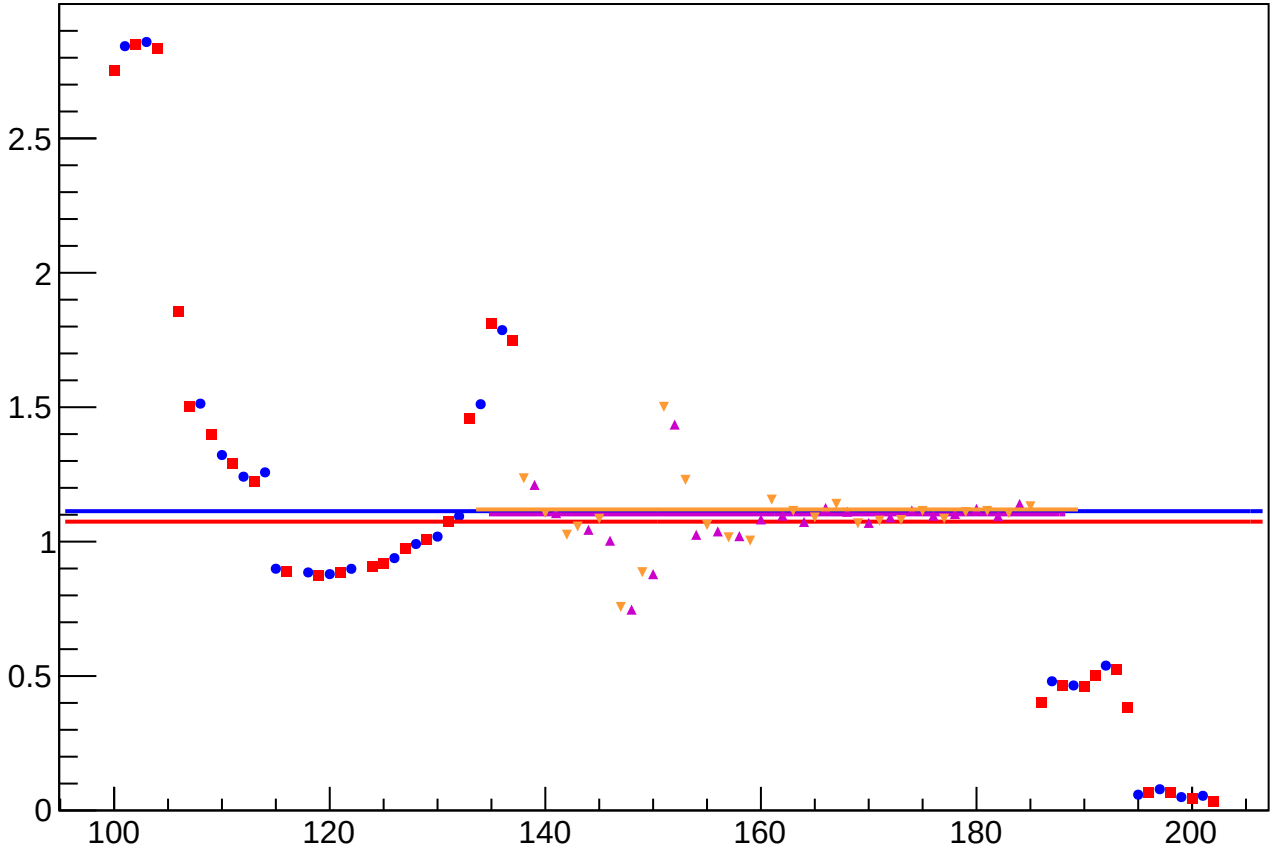
Right: 0.007+/-0.000 χ^2/NDF: 510642.9/51

In: 0.007+/-0.000 χ^2/NDF:1854431.0/45

Out: 0.007+/-0.000 χ^2/NDF:1735949.4/53

All: 0.007+/-0.000 χ^2/NDF: 3590907.2/99

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.113+/-0.000 χ^2/NDF: 110125040852.5/22

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.074+/-0.000 χ^2/NDF: 115709934653.4/28

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

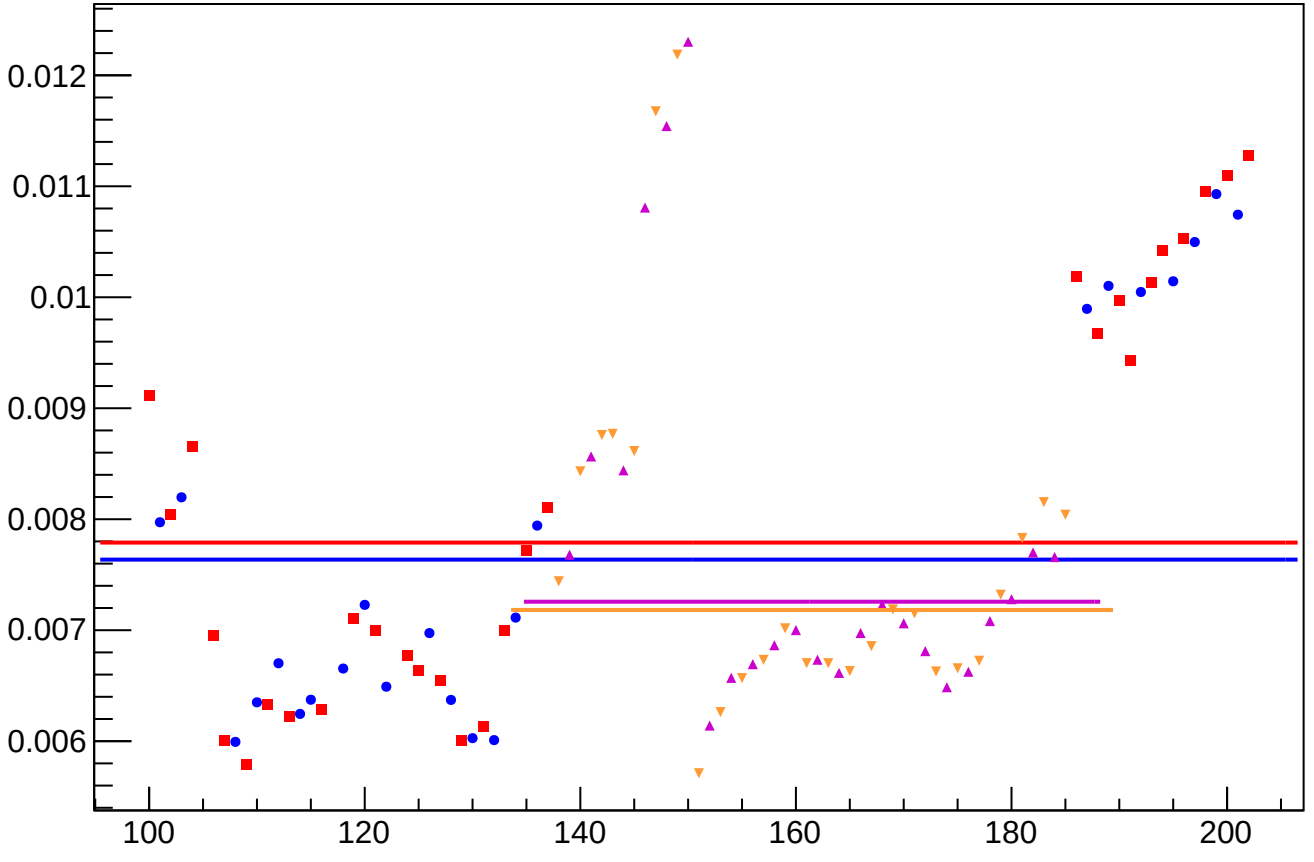
Right: 1.093+/-0.000 χ^2/NDF: 225997061546.0/51

In: 1.106+/-0.000 χ^2/NDF:114344821961.4/45

Out: 1.102+/-0.000 χ^2/NDF:121510983765.9/53

All: 1.104+/-0.000 χ^2/NDF: 235859832352.6

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1104342.7/22

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1500515.9/28

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

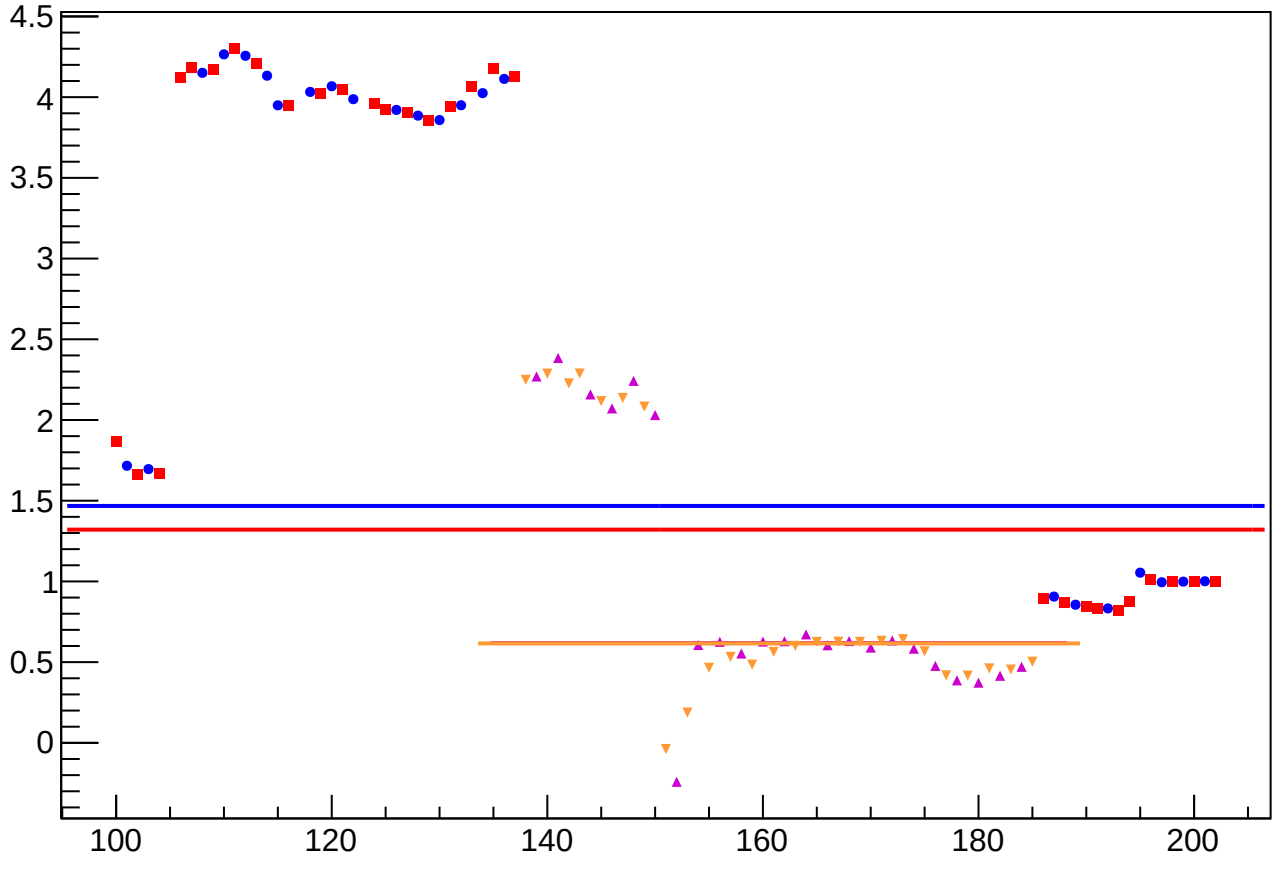
Right: 0.008+/-0.000 χ^2/NDF: 2609882.8/51

In: 0.007+/-0.000 χ^2/NDF:2057108.2/45

Out: 0.007+/-0.000 χ^2/NDF:2496673.9/53

All: 0.007+/-0.000 χ^2/NDF: 4553973.9/99

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.468+/-0.000 χ^2/NDF: 1499635611593.2/22

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.321+/-0.000 χ^2/NDF: 1727296594901.2/28

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

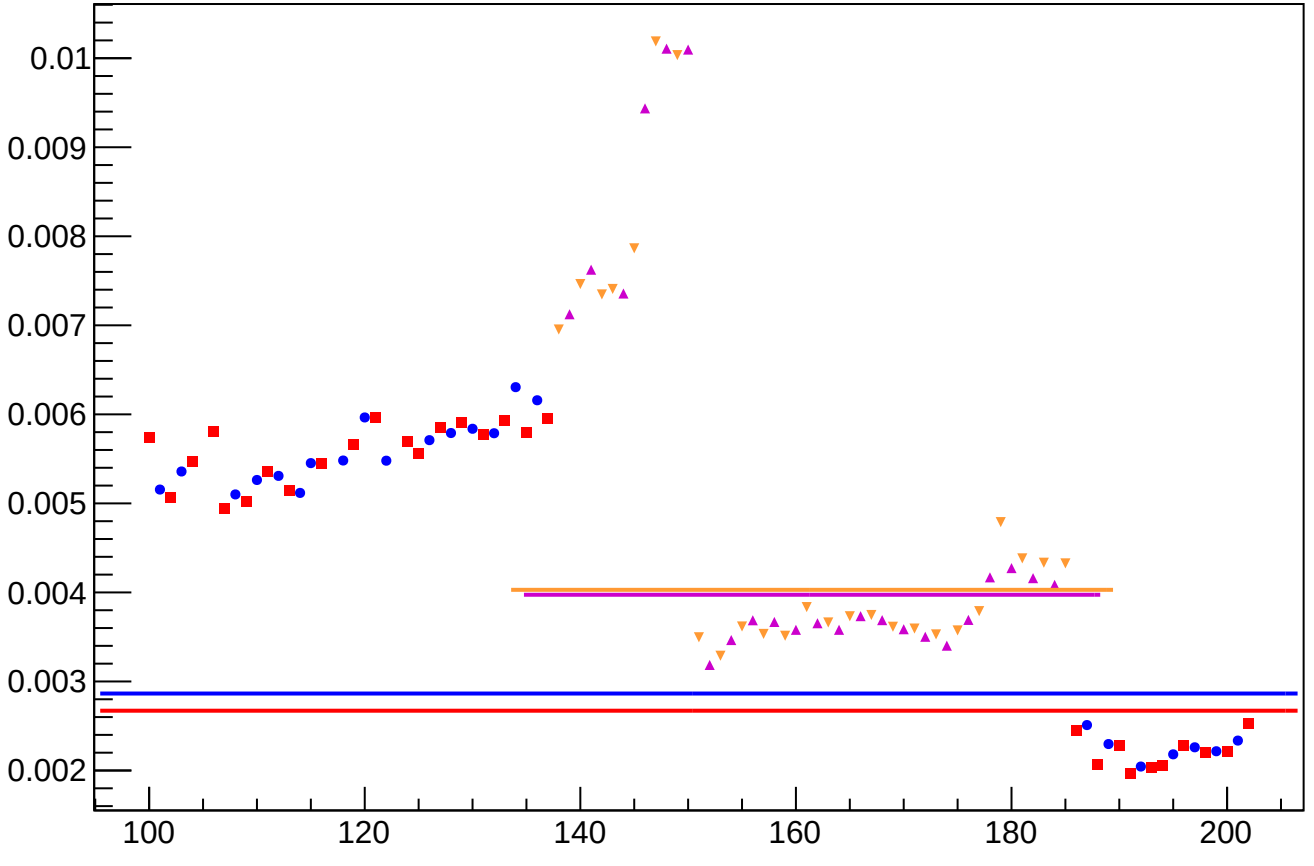
Right: 1.383+/-0.000 χ^2/NDF: 3241728101795.7/51

In: 1.074+/-0.000 χ^2/NDF:2151151458902.1/45

Out: 1.044+/-0.000 χ^2/NDF:2297610046887.9/53

All: 1.057+/-0.000 χ^2/NDF: 4449854238460.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4285429.0/22

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4669082.8/28

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

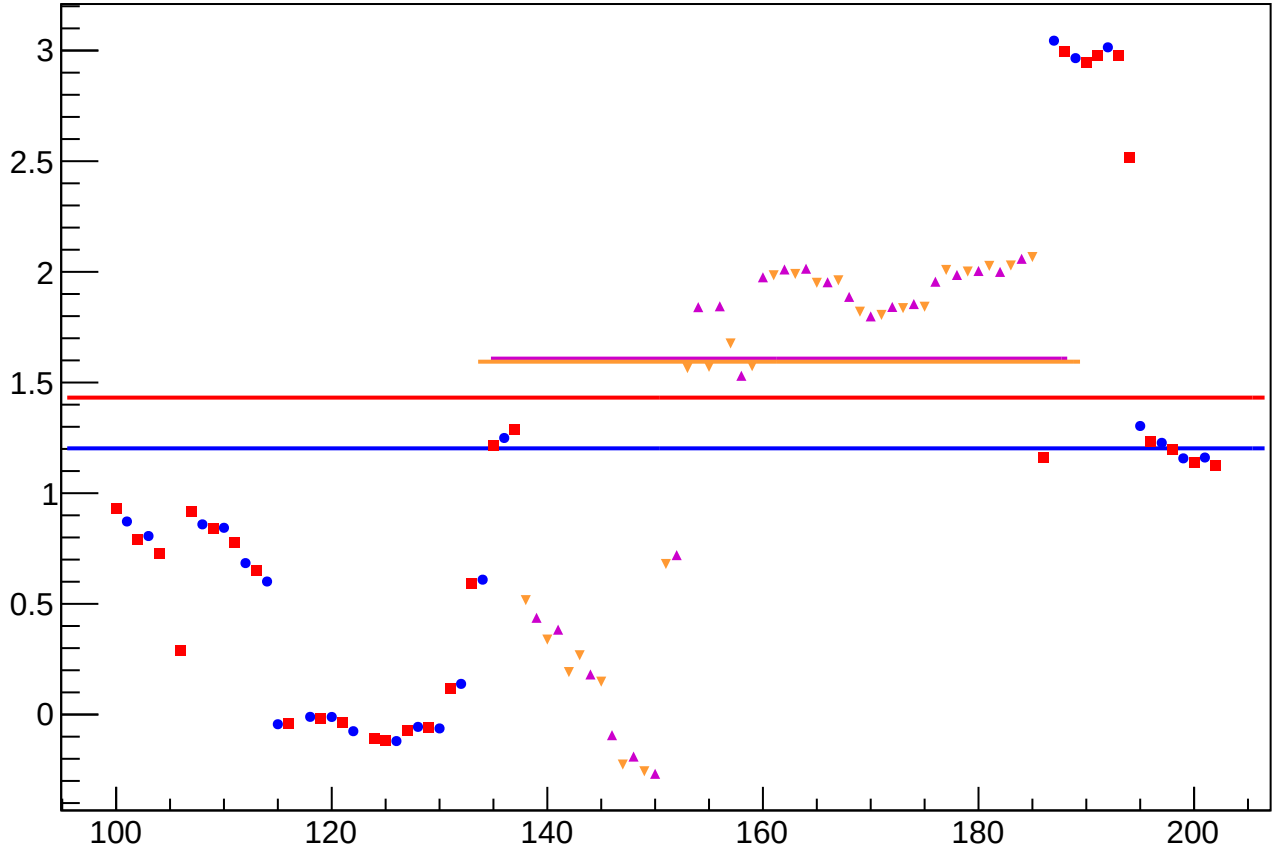
Right: 0.003+/-0.000 χ^2/NDF: 9005636.9/51

In: 0.003+/-0.000 χ^2/NDF:8762864.3/45

Out: 0.003+/-0.000 χ^2/NDF:9996846.4/53

All: 0.003+/-0.000 χ^2/NDF: 18832811.7/99

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.203+/-0.000 χ^2/NDF: 77480857603.4/22

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.432+/-0.000 χ^2/NDF: 104362617773.5/28

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

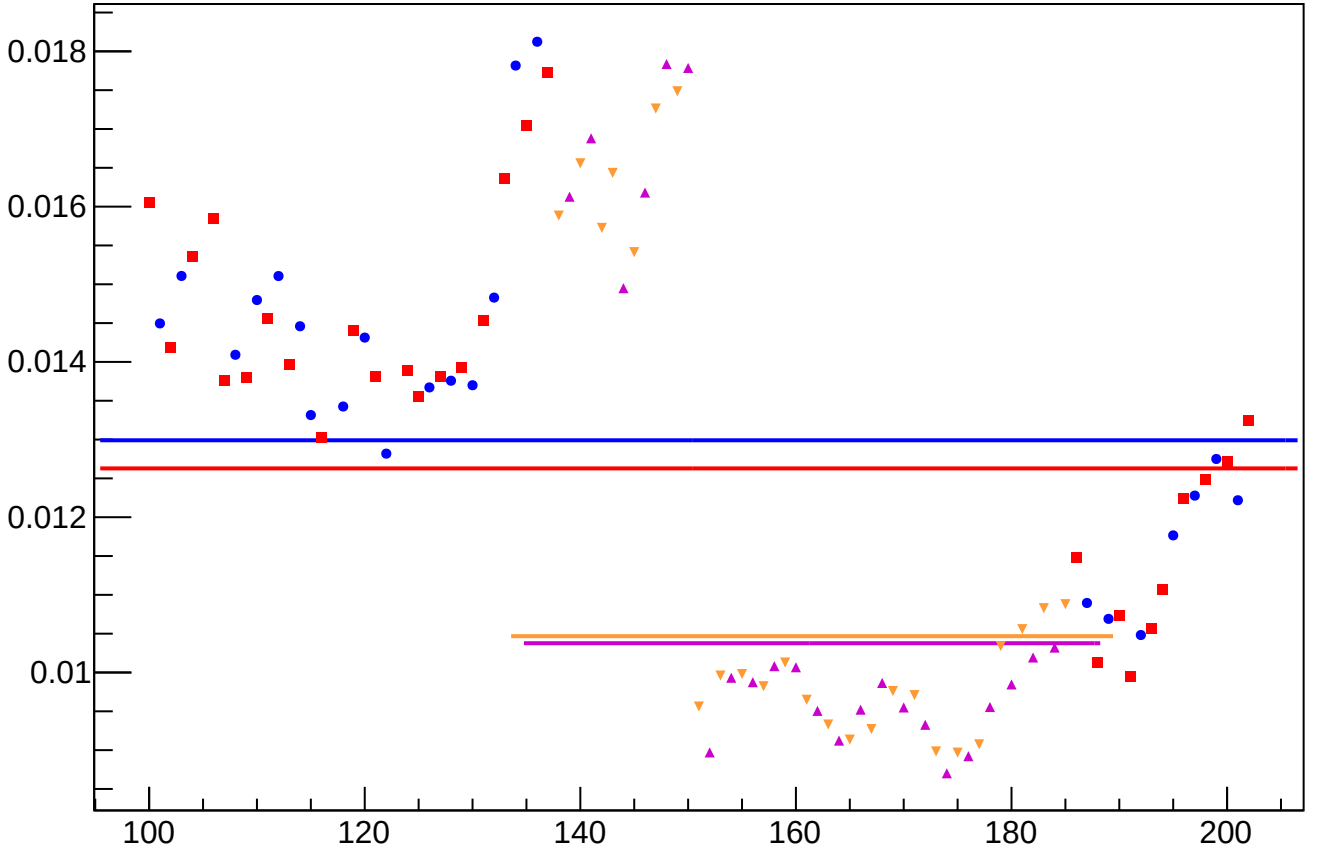
Right: 1.330+/-0.000 χ^2/NDF: 183904589690.3/51

In: 1.484+/-0.000 χ^2/NDF:151959661660.1/45

Out: 1.538+/-0.000 χ^2/NDF:168513342441.9/53

All: 1.512+/-0.000 χ^2/NDF: 320828536837.8

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 501650.6/22

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 593465.4/28

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

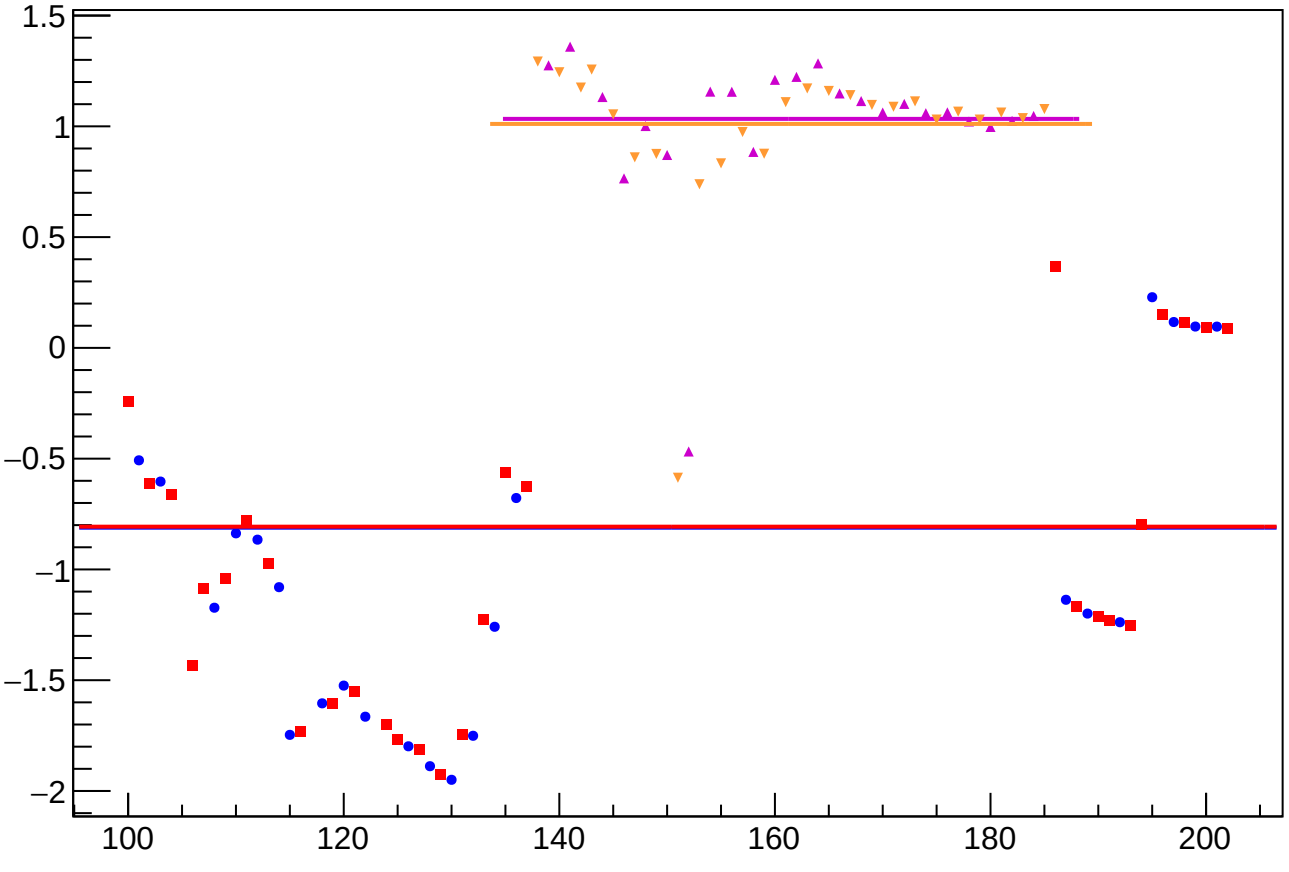
Right: 0.013+/-0.000 χ^2/NDF: 1105407.2/51

In: 0.011+/-0.000 χ^2/NDF:2883578.1/45

Out: 0.011+/-0.000 χ^2/NDF:2792766.4/53

All: 0.011+/-0.000 χ^2/NDF: 5676679.0/99

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.812+/-0.000 χ^2/NDF: 146887597342.9/22

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.807+/-0.000 χ^2/NDF: 144131271114.5/28

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

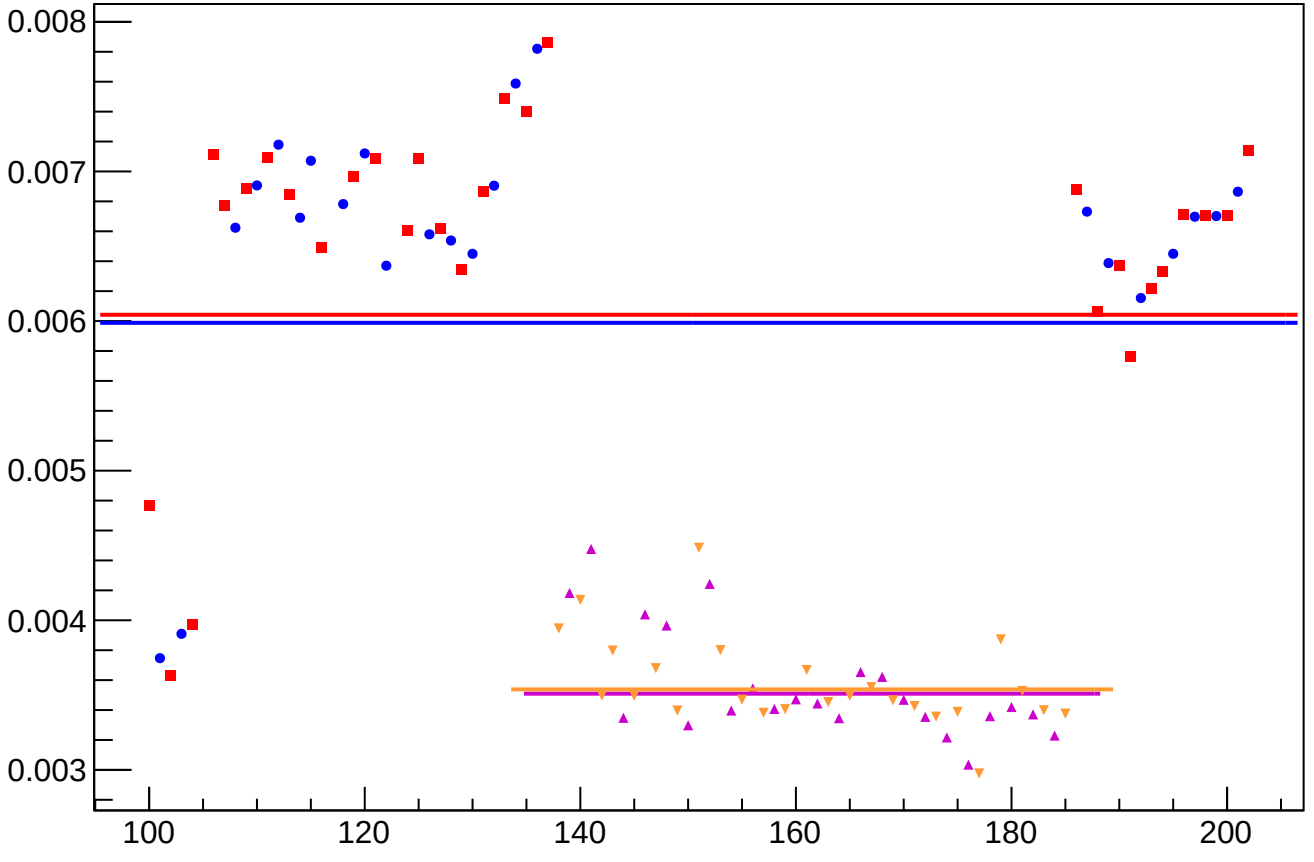
Right: -0.809+/-0.000 χ^2/NDF: 291022215085.9/51

In: 0.687+/-0.000 χ^2/NDF:1134023560648.8/45

Out: 0.639+/-0.000 χ^2/NDF:1206066457454.1/53

All: 0.662+/-0.000 χ^2/NDF: 2342045918710.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1063886.2/22

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1140499.2/28

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

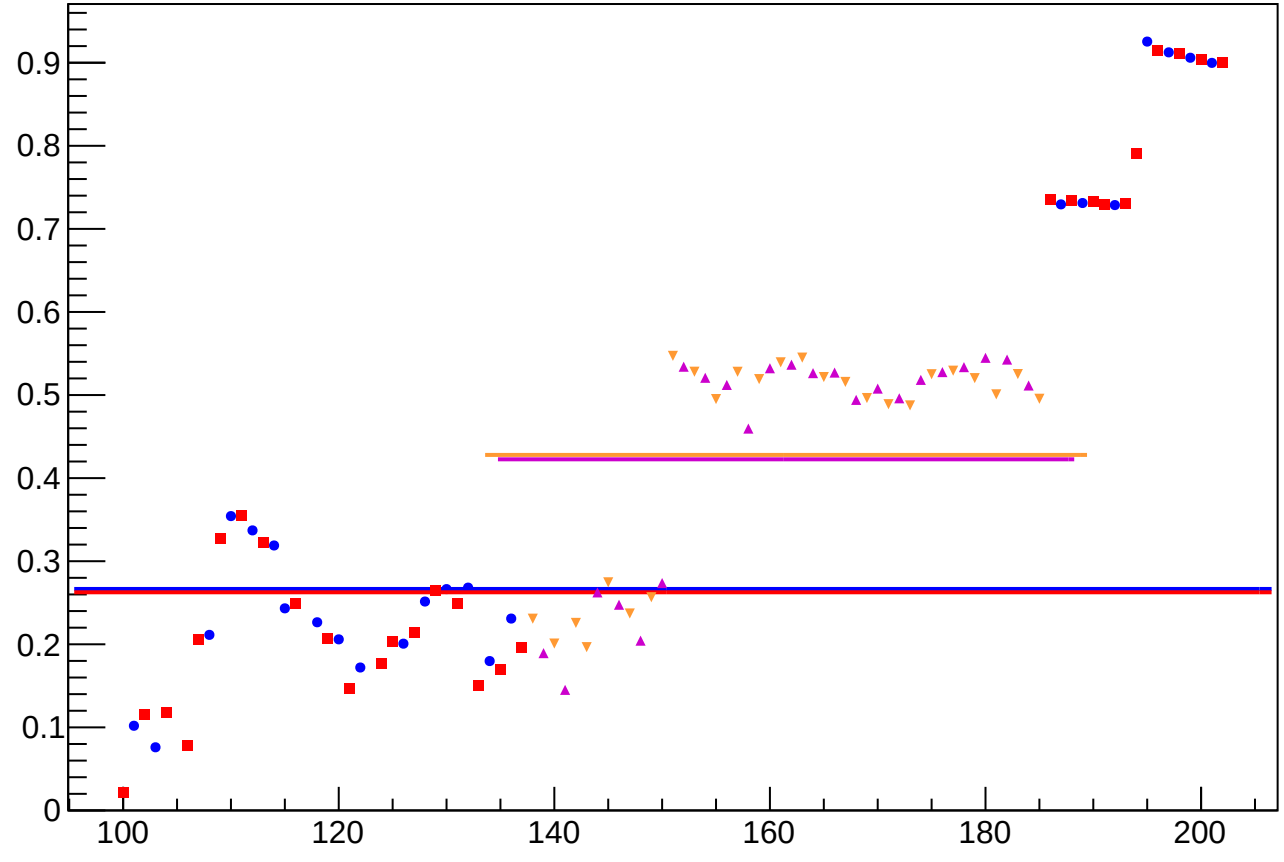
Right: 0.006+/-0.000 χ^2/NDF: 2205356.4/51

In: 0.004+/-0.000 χ^2/NDF:4459274.7/45

Out: 0.004+/-0.000 χ^2/NDF:4964623.6/53

All: 0.004+/-0.000 χ^2/NDF: 9433445.2/99

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.267+/-0.000 χ^2/NDF: 122441511971.2/22

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.263+/-0.000 χ^2/NDF: 160098516233.8/28

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

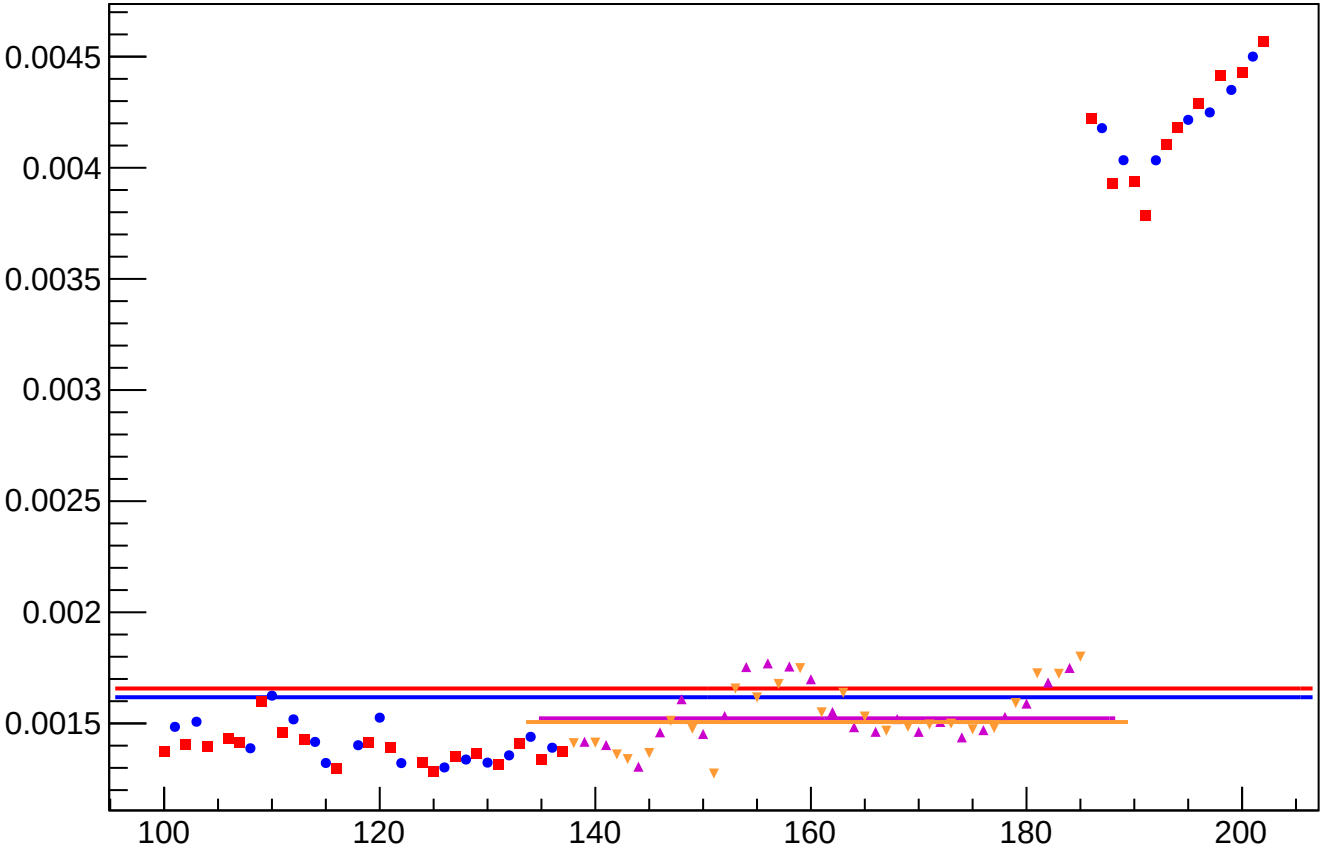
Right: 0.264+/-0.000 χ^2/NDF: 282571941638.5/51

In: 0.371+/-0.000 χ^2/NDF:342574986695.9/45

Out: 0.373+/-0.000 χ^2/NDF:390344327320.3/53

All: 0.372+/-0.000 χ^2/NDF: 732933448025.4

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4246918.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5794490.5/28

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

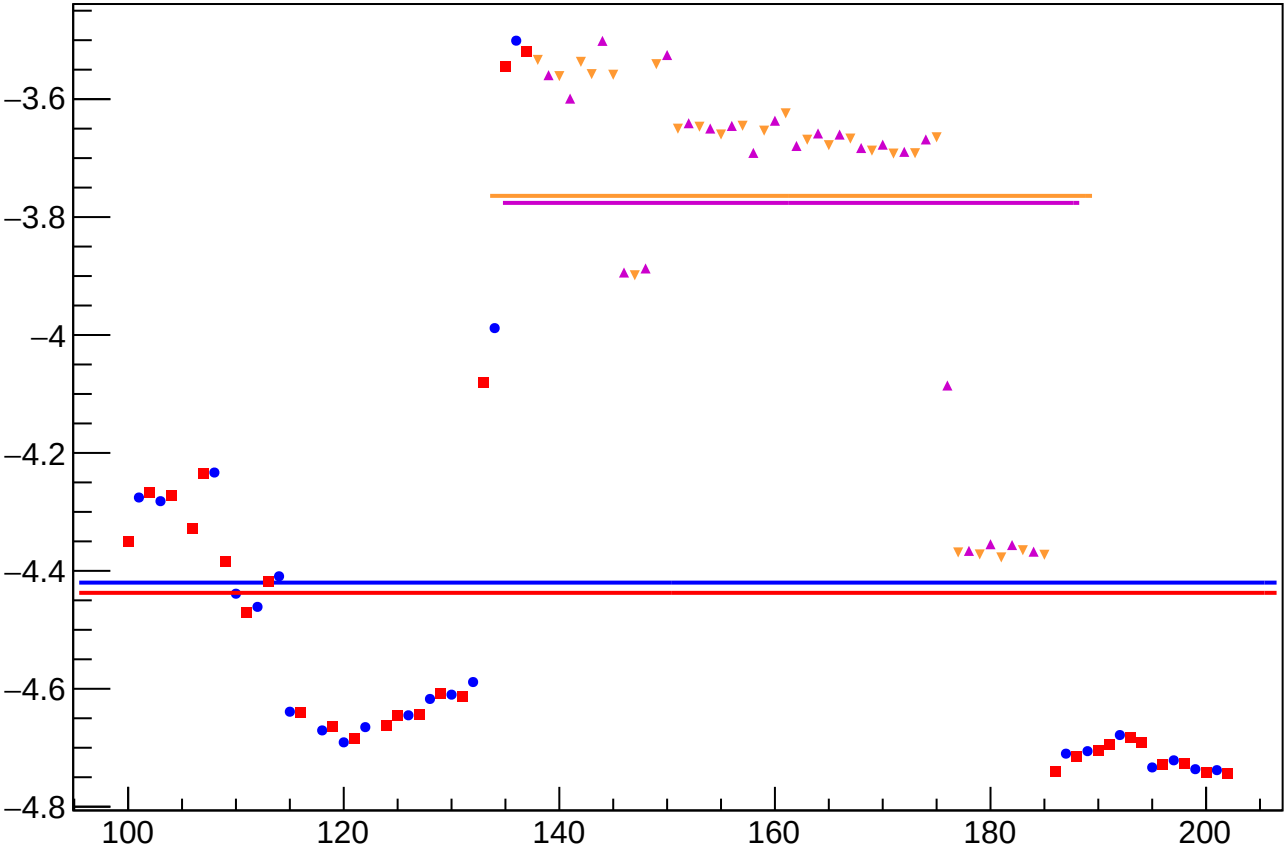
Right: 0.002+/-0.000 χ^2/NDF: 10047567.3/51

In: 0.002+/-0.000 χ^2/NDF:4527520.5/45

Out: 0.002+/-0.000 χ^2/NDF:6200765.4/53

All: 0.002+/-0.000 χ^2/NDF: 10728354.7/99

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.420+/-0.000 χ^2/NDF: 402573735459.0/22

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.437+/-0.000 χ^2/NDF: 360803504743.8/28

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

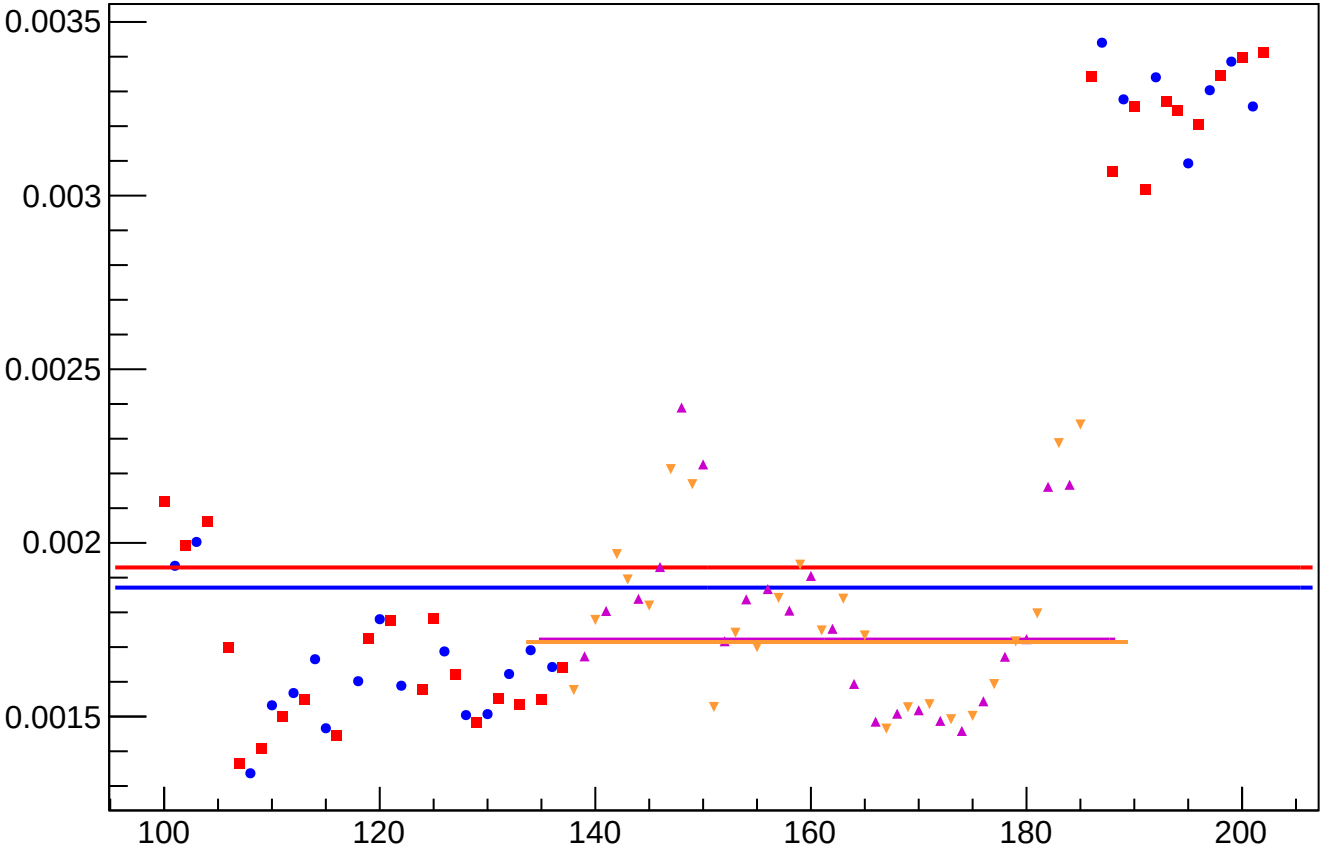
Right: -4.429+/-0.000 χ^2/NDF: 763864442203.4/51

In: -3.996+/-0.000 χ^2/NDF:1646895091809.5/45

Out: -4.000+/-0.000 χ^2/NDF:1847025848634.5/53

All: -3.998+/-0.000 χ^2/NDF: 3493984956378

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2327753.6/22

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3105874.0/28

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

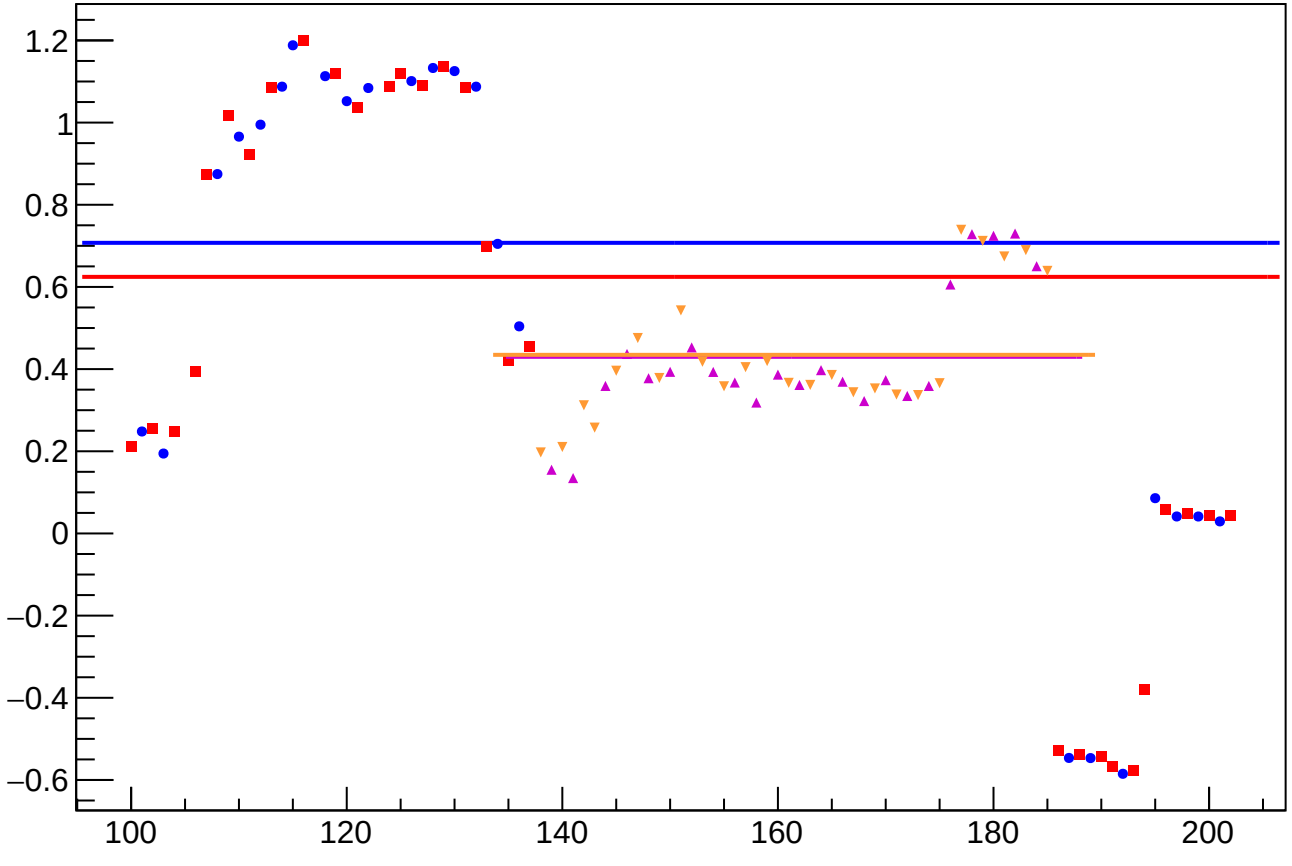
Right: 0.002+/-0.000 χ^2/NDF: 5444530.8/51

In: 0.002+/-0.000 χ^2/NDF:3000515.0/45

Out: 0.002+/-0.000 χ^2/NDF:3872166.4/53

All: 0.002+/-0.000 χ^2/NDF: 6875390.4/99

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.707+/-0.000 χ^2/NDF: 59378067262.9/22

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.624+/-0.000 χ^2/NDF: 83276256543.2/28

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

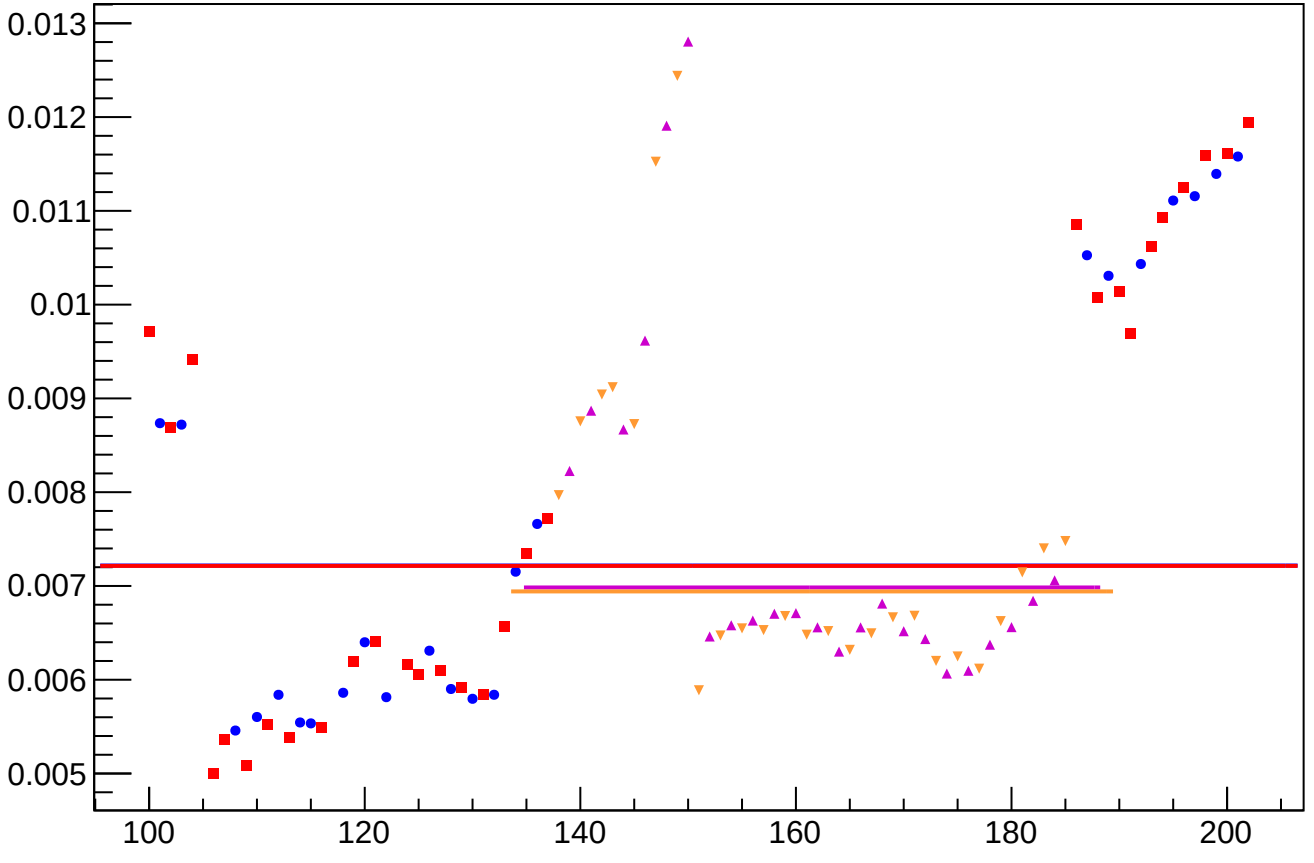
Right: 0.663+/-0.000 χ^2/NDF: 143459778178.4/51

In: 0.534+/-0.000 χ^2/NDF:78895772705.9/45

Out: 0.510+/-0.000 χ^2/NDF:97320511813.5/53

All: 0.521+/-0.000 χ^2/NDF: 176396090452.4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1829008.4/22

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2612065.4/28

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

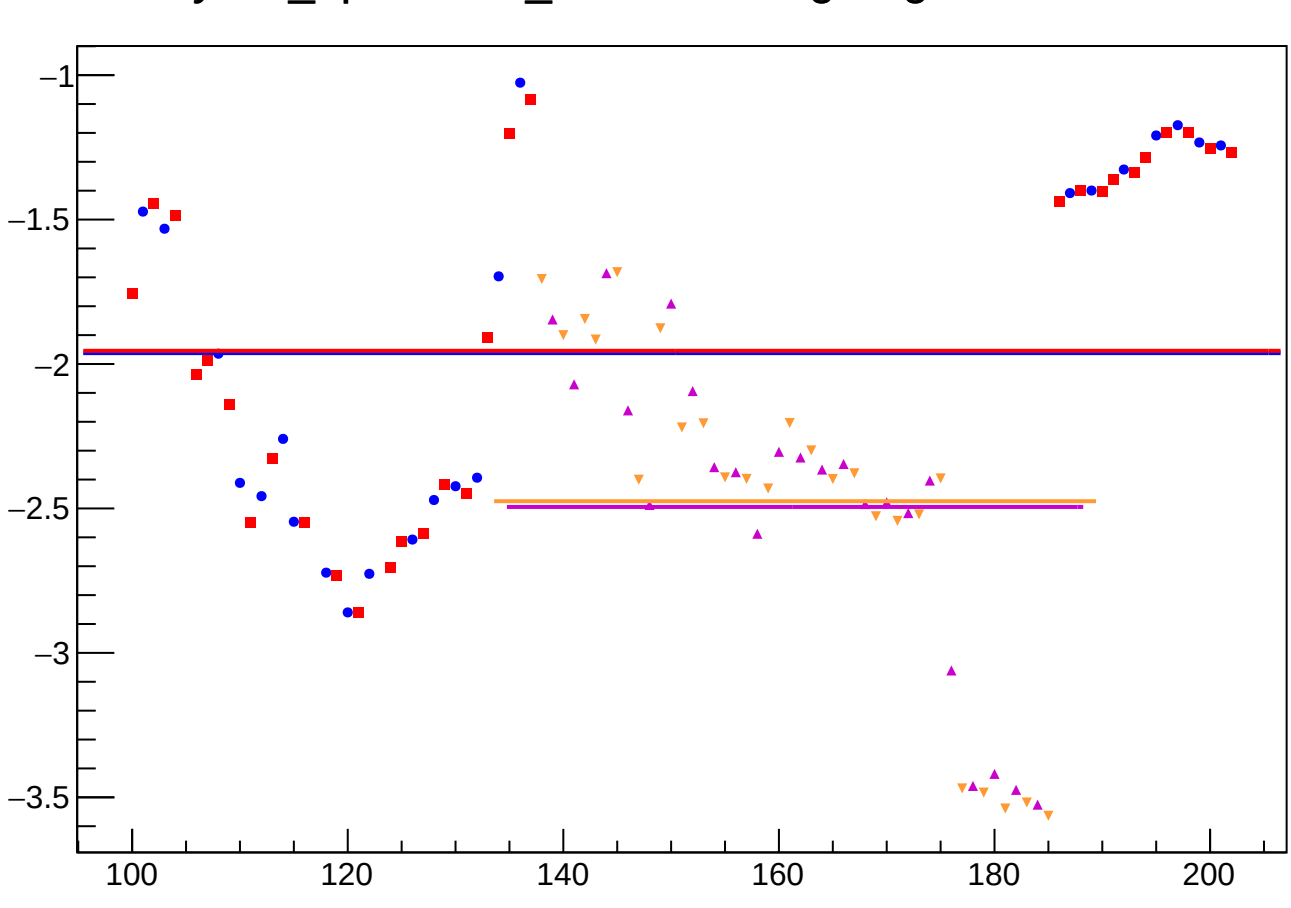
Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

Right: 0.007+/-0.000 χ^2/NDF: 4441077.5/51

In: 0.007+/-0.000 χ^2/NDF:2980448.5/45

Out: 0.007+/-0.000 χ^2/NDF:3725722.3/53

All: 0.007+/-0.000 χ^2/NDF: 6706472.8/99



Right In: -1.962+/-0.000 χ^2/NDF: 98184899276.2/22

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.954+/-0.000 χ^2/NDF: 99322728247.8/28

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

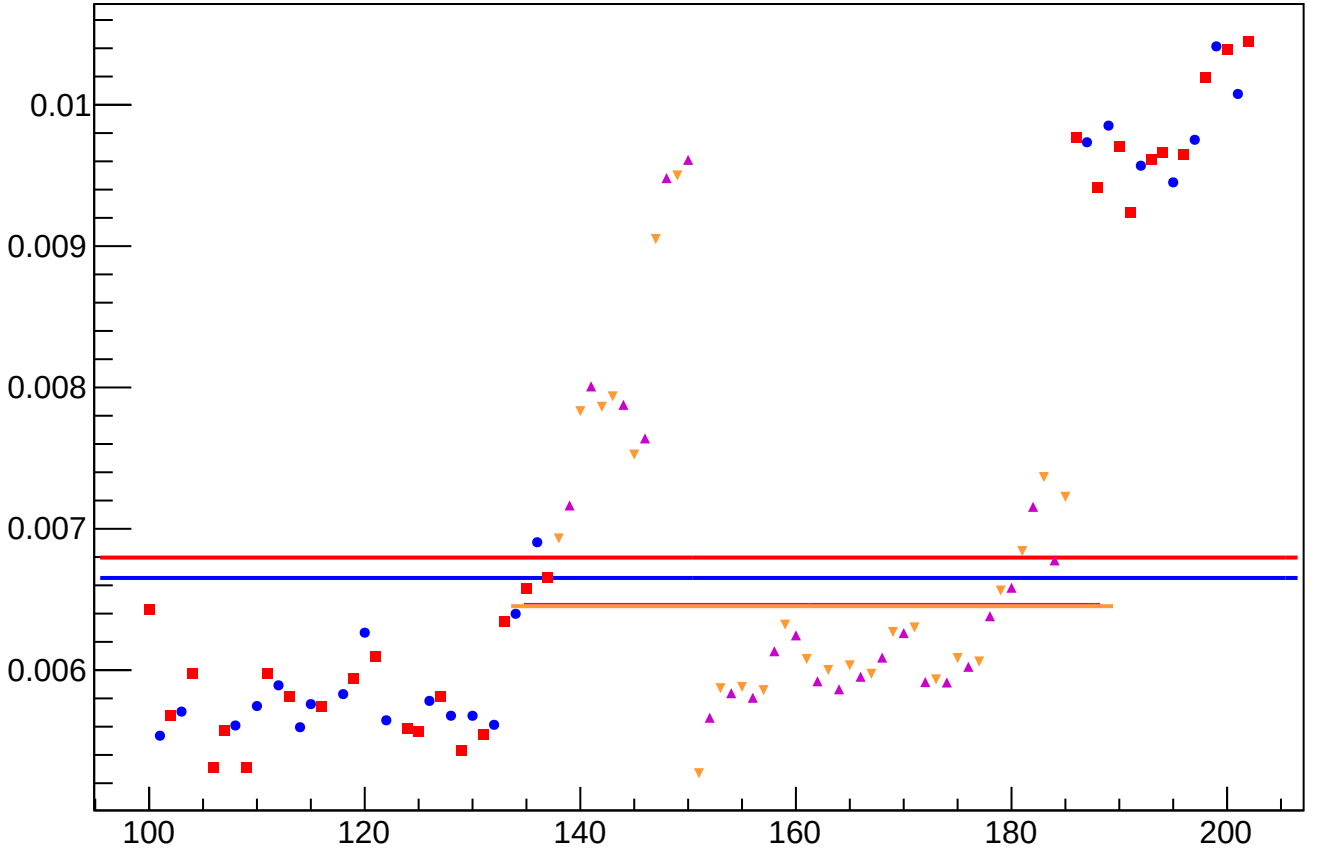
Right: -1.958+/-0.000 χ^2/NDF: 197516506948.3/51

In: -2.293+/-0.000 χ^2/NDF:241116182344.6/45

Out: -2.270+/-0.000 χ^2/NDF:270748760038.8/53

All: -2.281+/-0.000 χ^2/NDF: 512050286384.

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1394050.1/22

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1868965.7/28

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

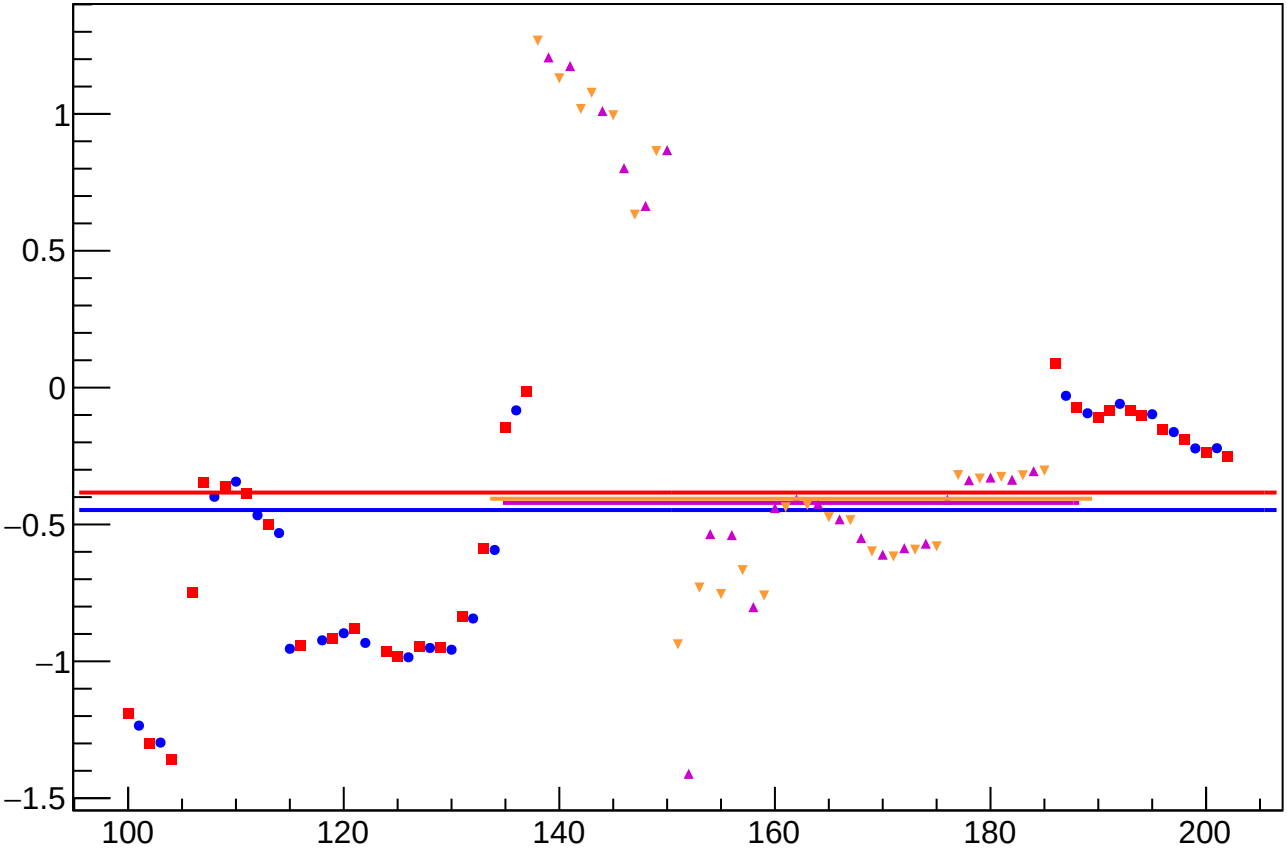
Right: 0.007+/-0.000 χ^2/NDF: 3268790.2/51

In: 0.007+/-0.000 χ^2/NDF:2126541.5/45

Out: 0.007+/-0.000 χ^2/NDF:2624537.8/53

All: 0.007+/-0.000 χ^2/NDF: 4753172.7/99

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.447+/-0.000 χ^2/NDF: 23347996366.4/22

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.383+/-0.000 χ^2/NDF: 26871937335.0/28

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

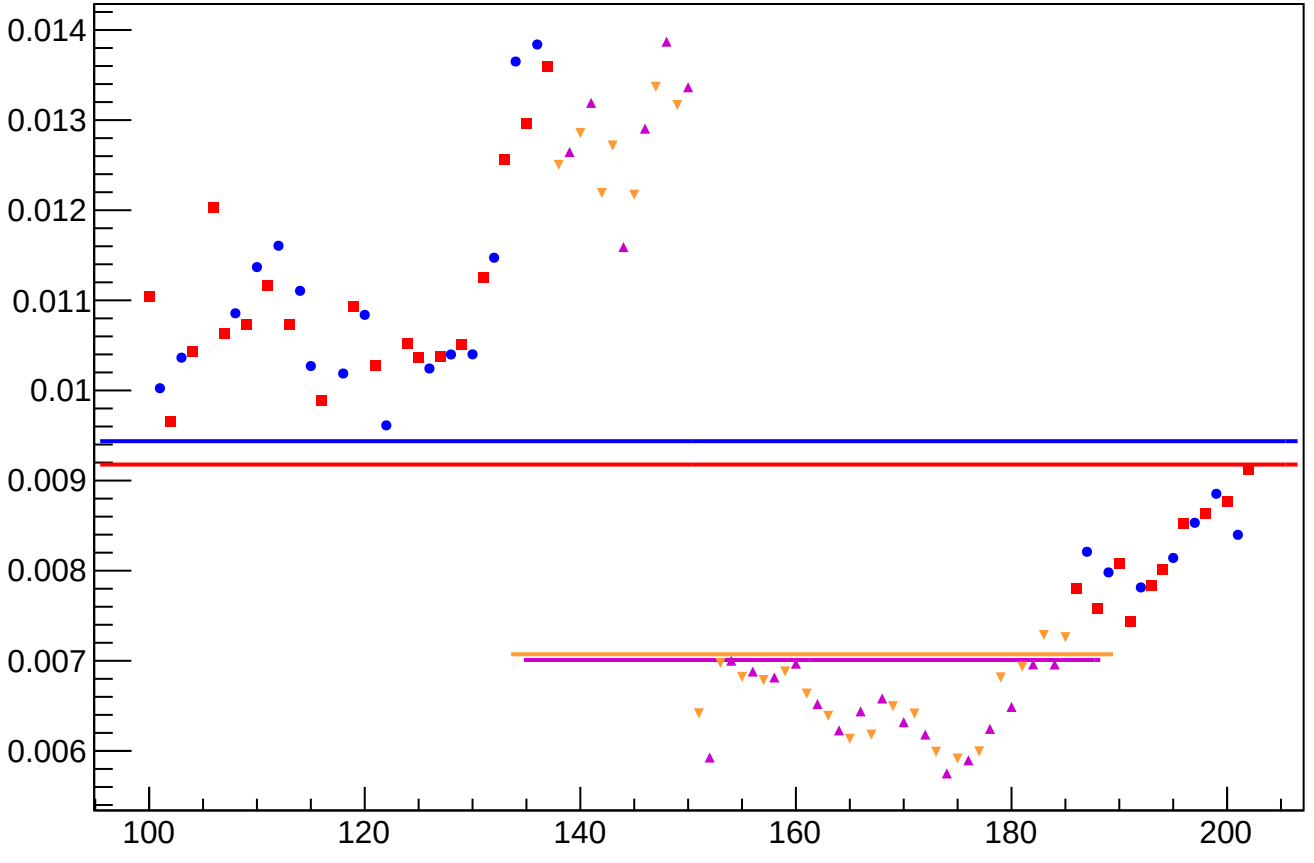
Right: -0.412+/-0.000 χ^2/NDF: 50520478264.3/51

In: -0.428+/-0.000 χ^2/NDF:113654894537.0/45

Out: -0.399+/-0.000 χ^2/NDF:108563162191.5/53

All: -0.413+/-0.000 χ^2/NDF: 222436646231.4

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 621734.6/22

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 675185.5/28

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

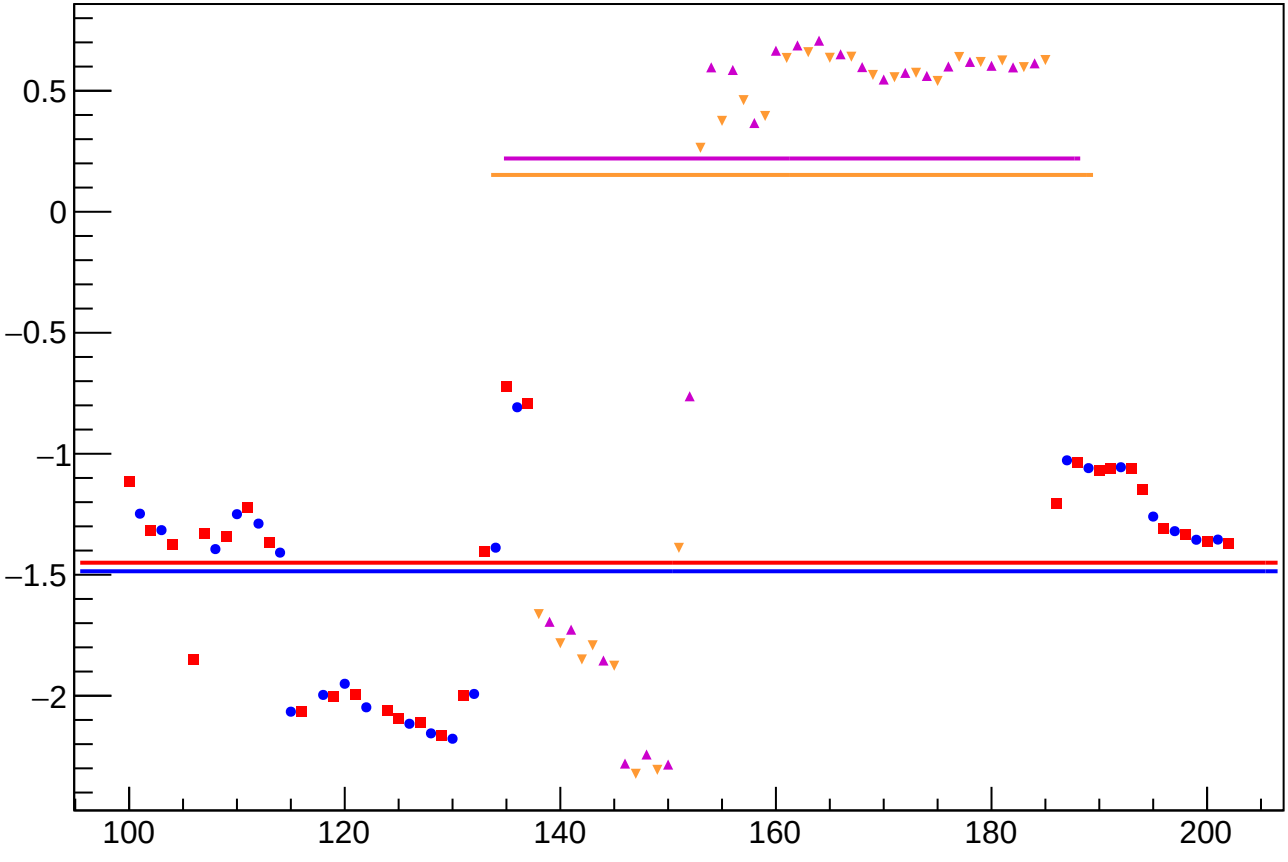
Right: 0.009+/-0.000 χ^2/NDF: 1306805.2/51

In: 0.008+/-0.000 χ^2/NDF:4203527.6/45

Out: 0.008+/-0.000 χ^2/NDF:4059621.1/53

All: 0.008+/-0.000 χ^2/NDF: 8264521.0/99

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.486+/-0.000 χ^2/NDF: 181910872954.5/22

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.450+/-0.000 χ^2/NDF: 171860614350.4/28

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

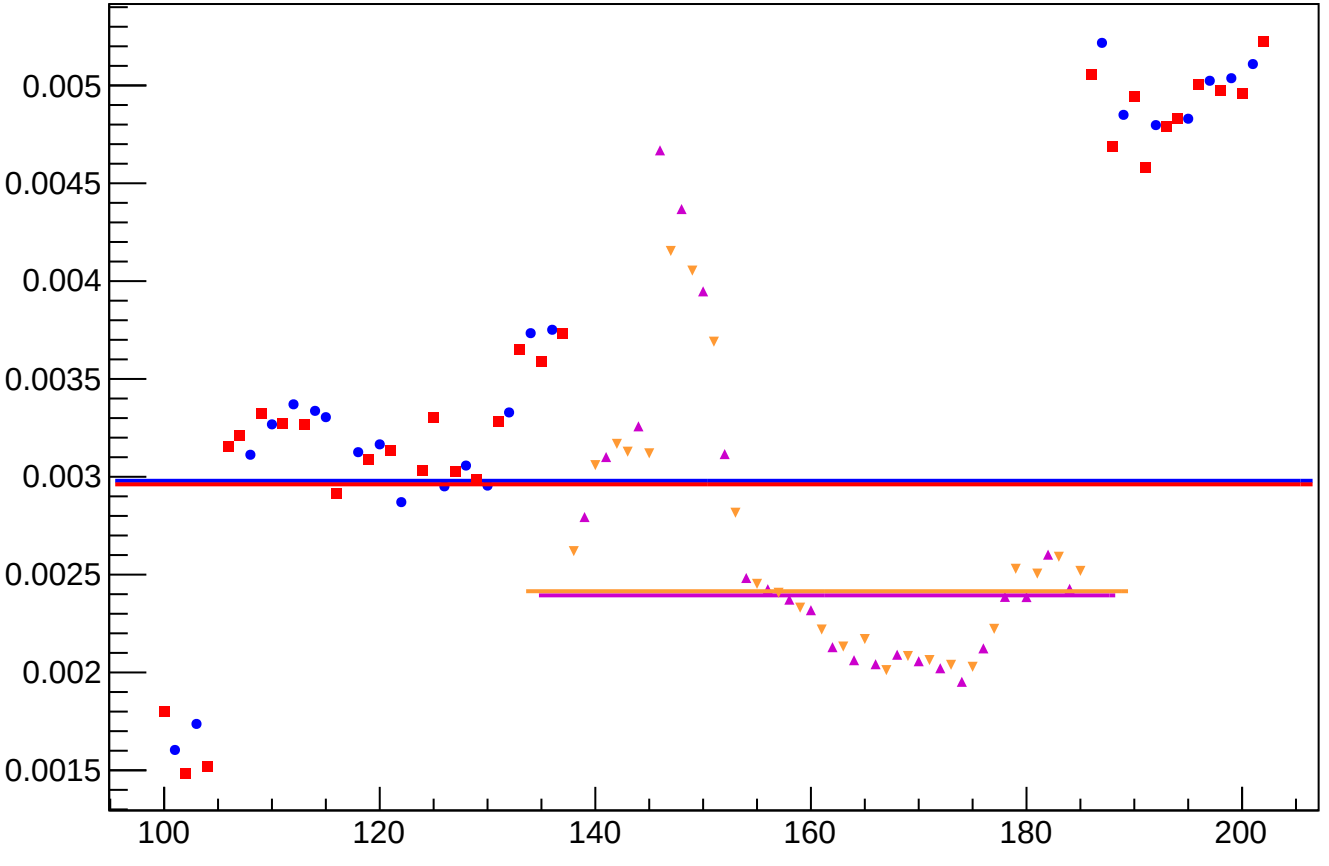
Right: -1.467+/-0.000 χ^2/NDF: 354528964584.0/51

In: -0.272+/-0.000 χ^2/NDF:4642833735636.6/45

Out: -0.342+/-0.000 χ^2/NDF:4886449803114.8/53

All: -0.308+/-0.000 χ^2/NDF: 9539256091951

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3068136.3/22

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4338840.9/28

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

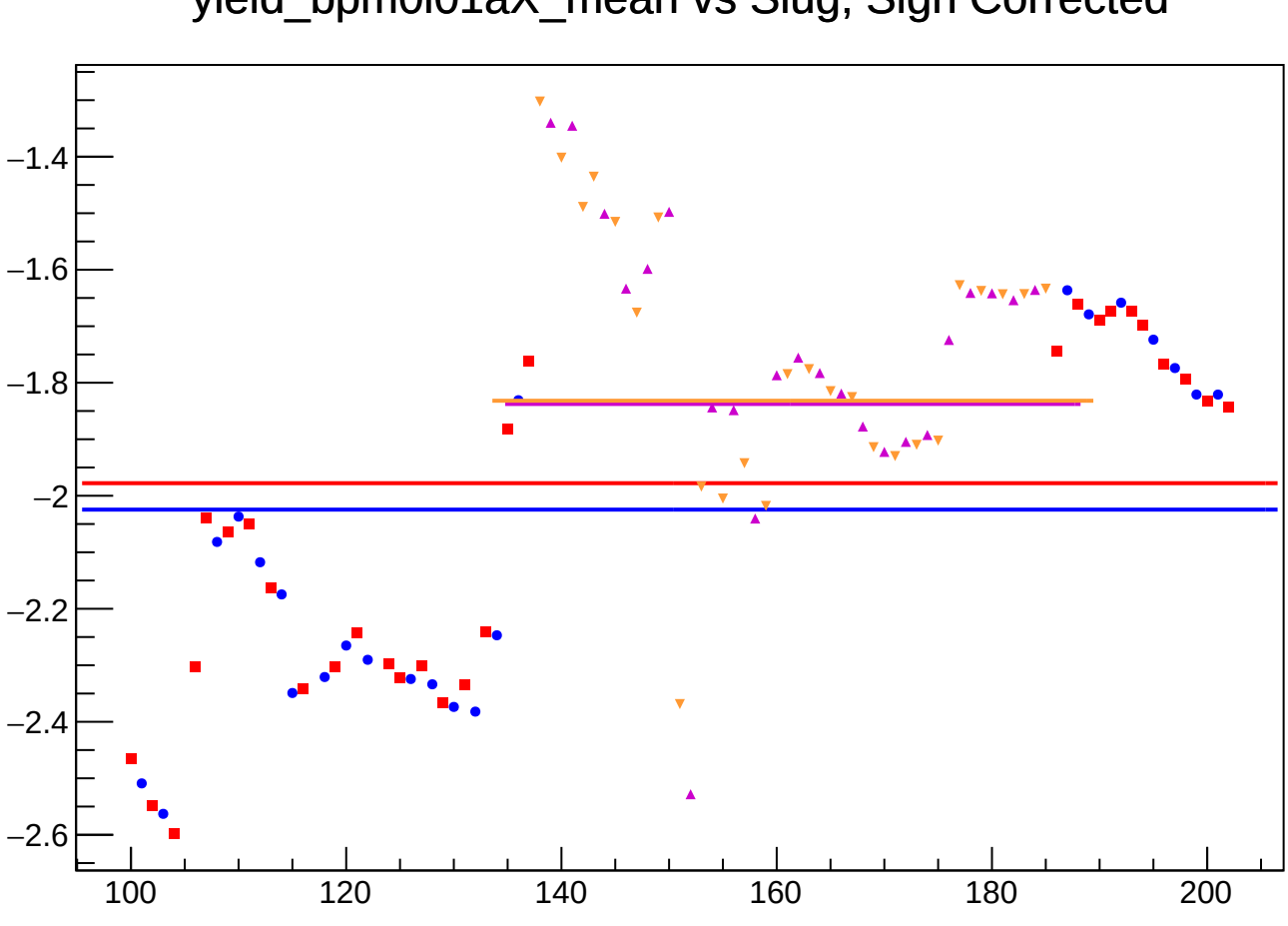
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 7407373.0/51

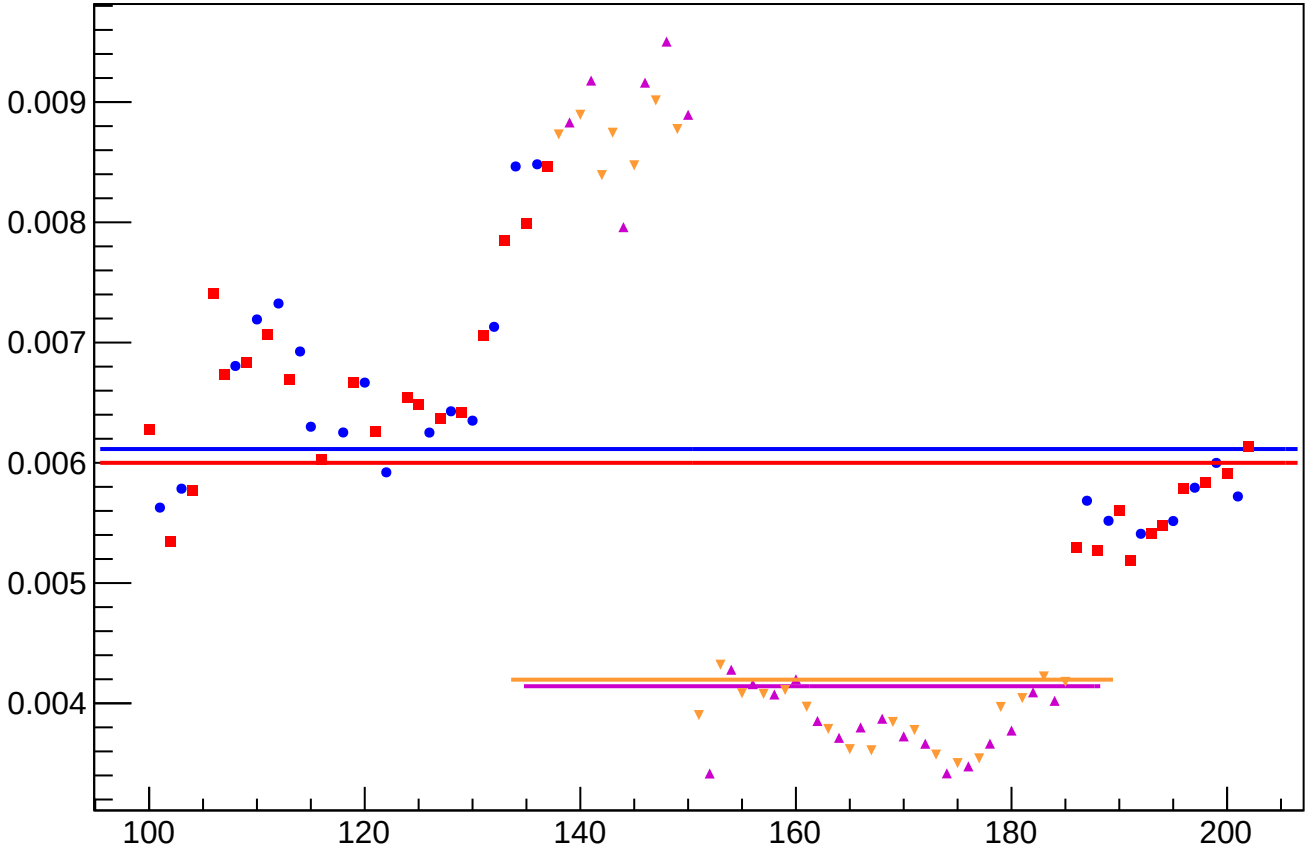
In: 0.003+/-0.000 χ^2/NDF:5028714.7/45

Out: 0.003+/-0.000 χ^2/NDF:6097457.1/53

All: 0.003+/-0.000 χ^2/NDF: 11127907.0/99


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
120
140
160
180
200
Right In: -2.025+/-0.000 χ²/NDF: 31440229614.8/22
Left Out: -1.832+/-0.000 χ²/NDF:38365576589.1/24
Right Out: -1.978+/-0.000 χ²/NDF: 36811253376.4/28
Left In: -1.838+/-0.000 χ²/NDF:53437434367.2/22
Left: -1.835+/-0.000 χ²/NDF: 91818701563.9/47
Right: -1.999+/-0.000 χ²/NDF: 68632350968.5/51
In: -1.885+/-0.000 χ²/NDF:93139882996.5/45
Out: -1.873+/-0.000 χ²/NDF:81080494797.9/53
All: -1.879+/-0.000 χ²/NDF: 174302852754.8

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 365366.7/22

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 378152.1/28

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

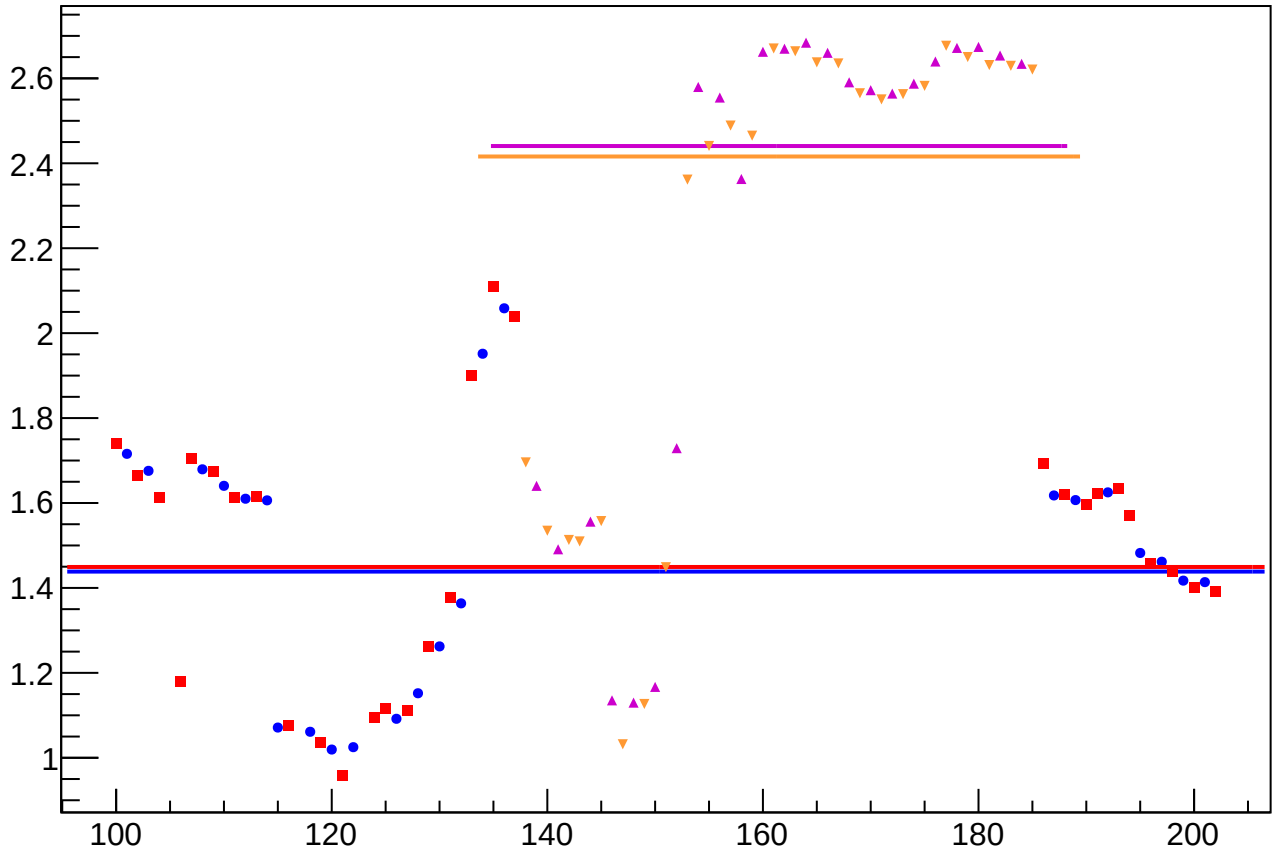
Right: 0.006+/-0.000 χ^2/NDF: 748102.8/51

In: 0.005+/-0.000 χ^2/NDF:5398893.8/45

Out: 0.005+/-0.000 χ^2/NDF:5273182.0/53

All: 0.005+/-0.000 χ^2/NDF: 10678775.9/99

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.438+/-0.000 χ^2/NDF: 191313316079.4/22

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.449+/-0.000 χ^2/NDF: 186460148211.8/28

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

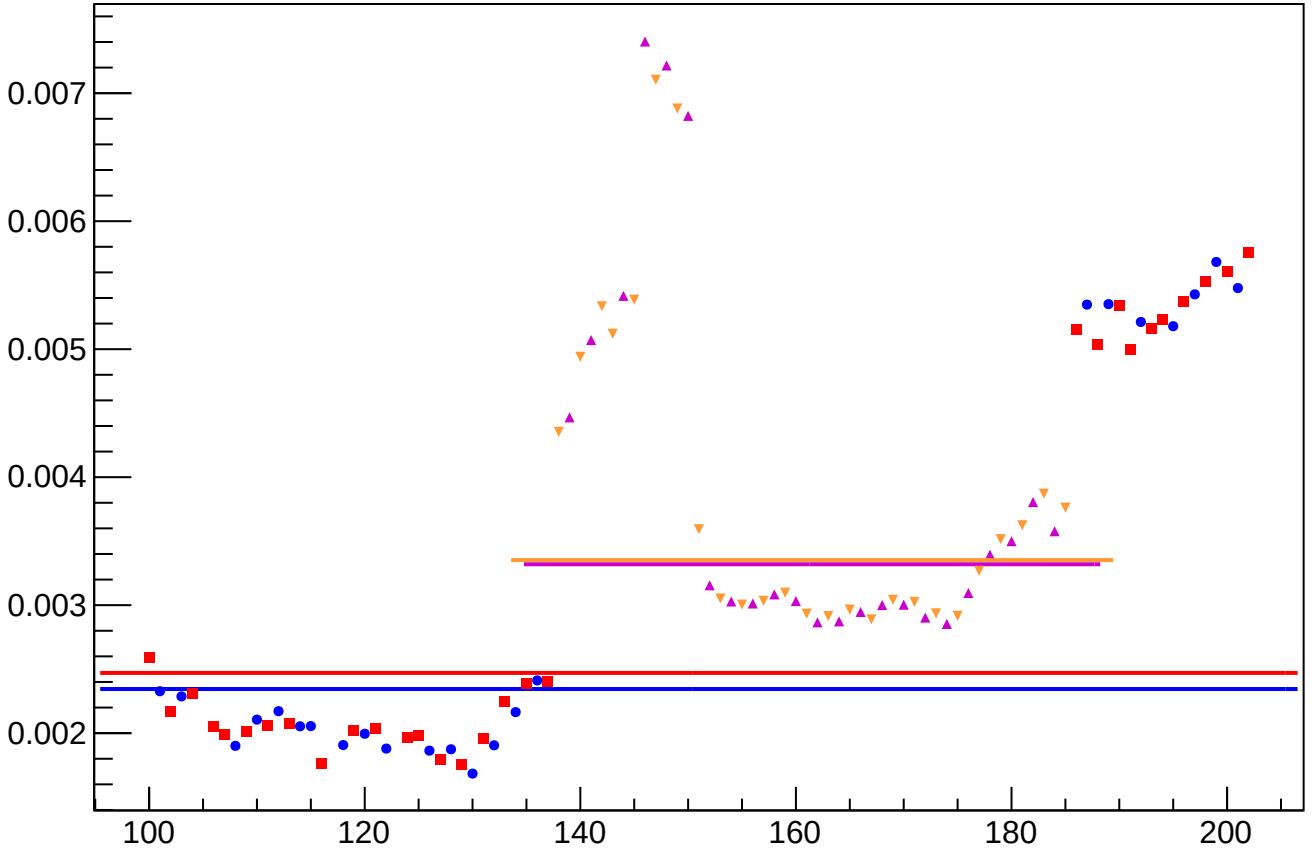
Right: 1.444+/-0.000 χ^2/NDF: 377882191371.1/51

In: 1.891+/-0.000 χ^2/NDF:1239316648094.2/45

Out: 1.887+/-0.000 χ^2/NDF:1223609316630.5/53

All: 1.889+/-0.000 χ^2/NDF: 2462956443583.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3703515.5/22

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4800949.4/28

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

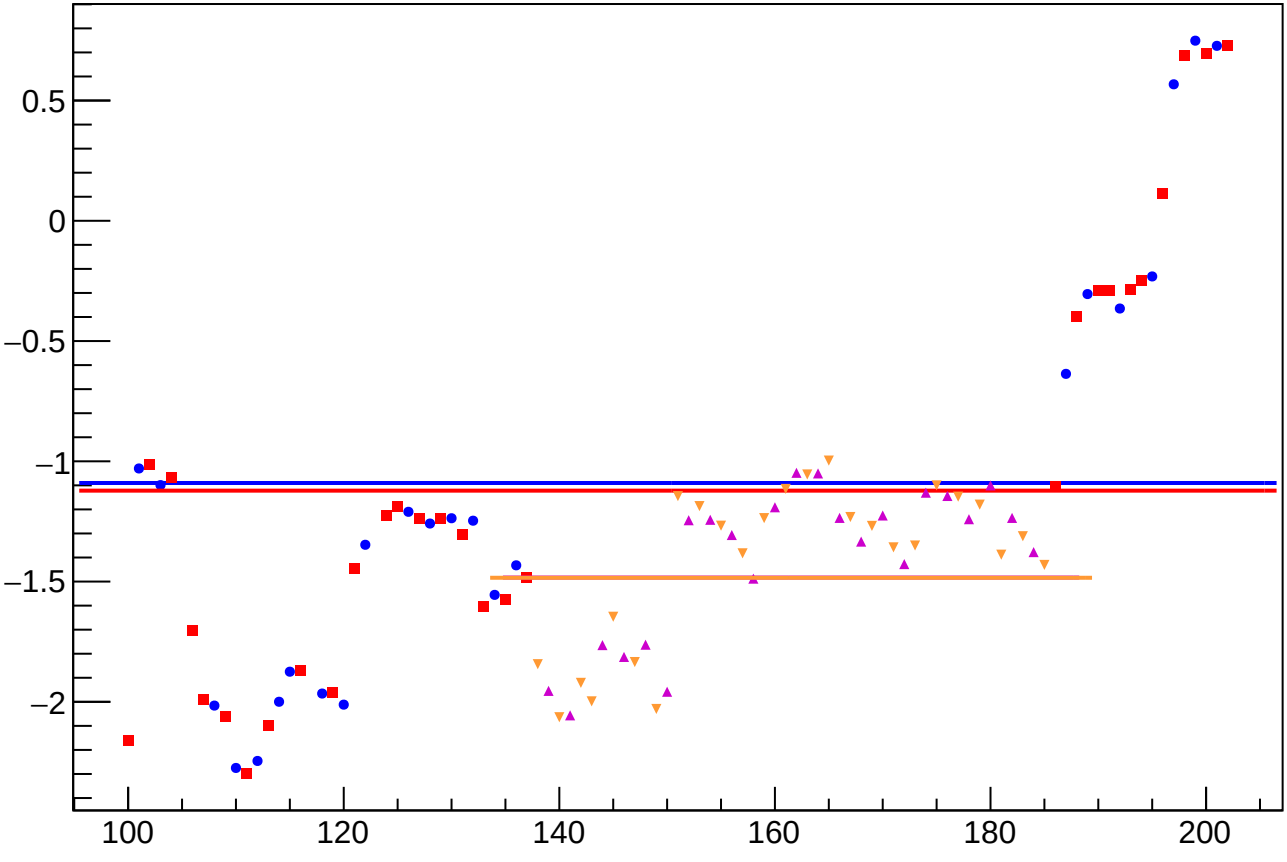
Right: 0.002+/-0.000 χ^2/NDF: 8533544.1/51

In: 0.003+/-0.000 χ^2/NDF:7303195.7/45

Out: 0.003+/-0.000 χ^2/NDF:7942080.7/53

All: 0.003+/-0.000 χ^2/NDF: 15269280.3/99

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.090+/-0.000 χ^2/NDF: 131034683491.2/22

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.122+/-0.000 χ^2/NDF: 174964767242.1/28

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

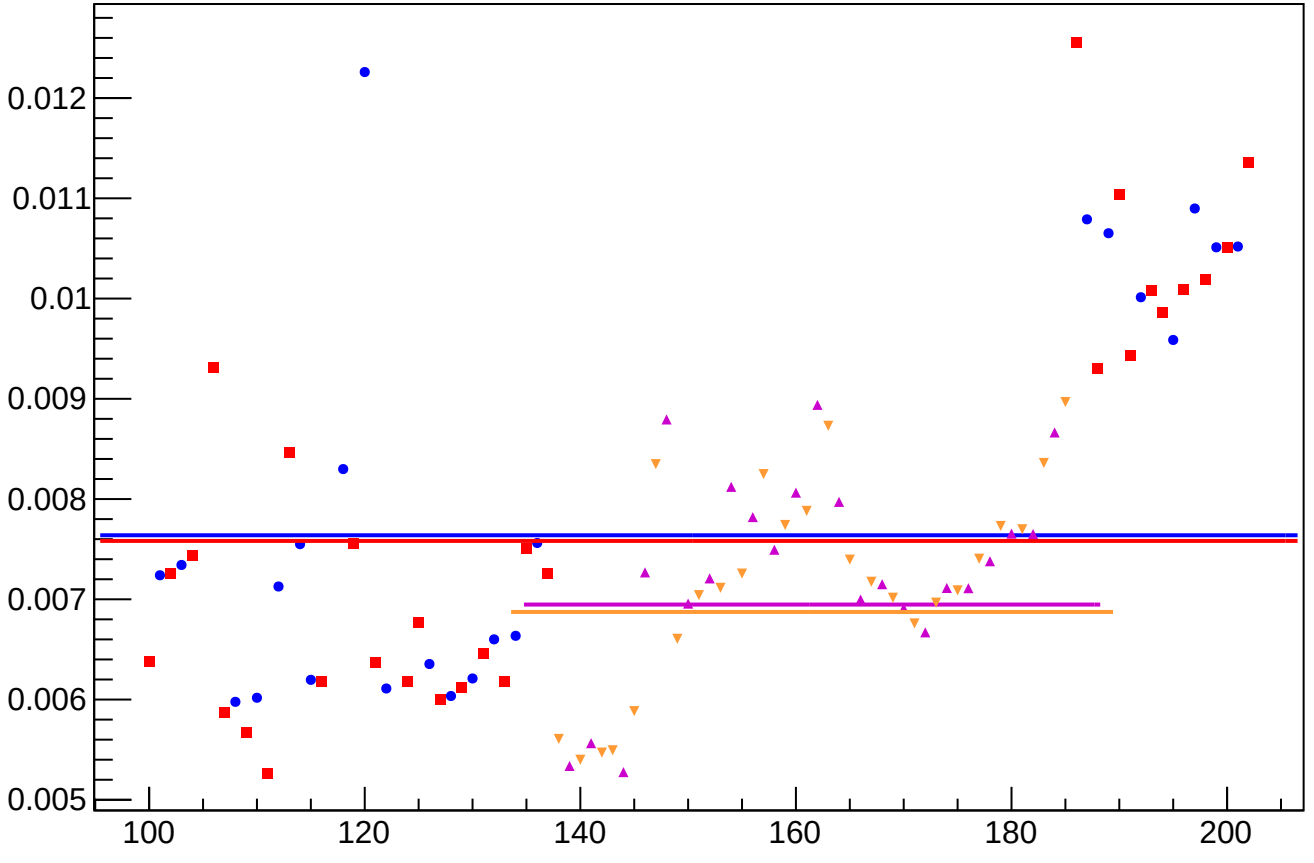
Right: -1.108+/-0.000 χ^2/NDF: 306103894221.2/51

In: -1.346+/-0.000 χ^2/NDF:190362616107.0/45

Out: -1.349+/-0.000 χ^2/NDF:242152950601.9/53

All: -1.348+/-0.000 χ^2/NDF: 432517550858.6

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1135380.6/22

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1590314.9/28

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

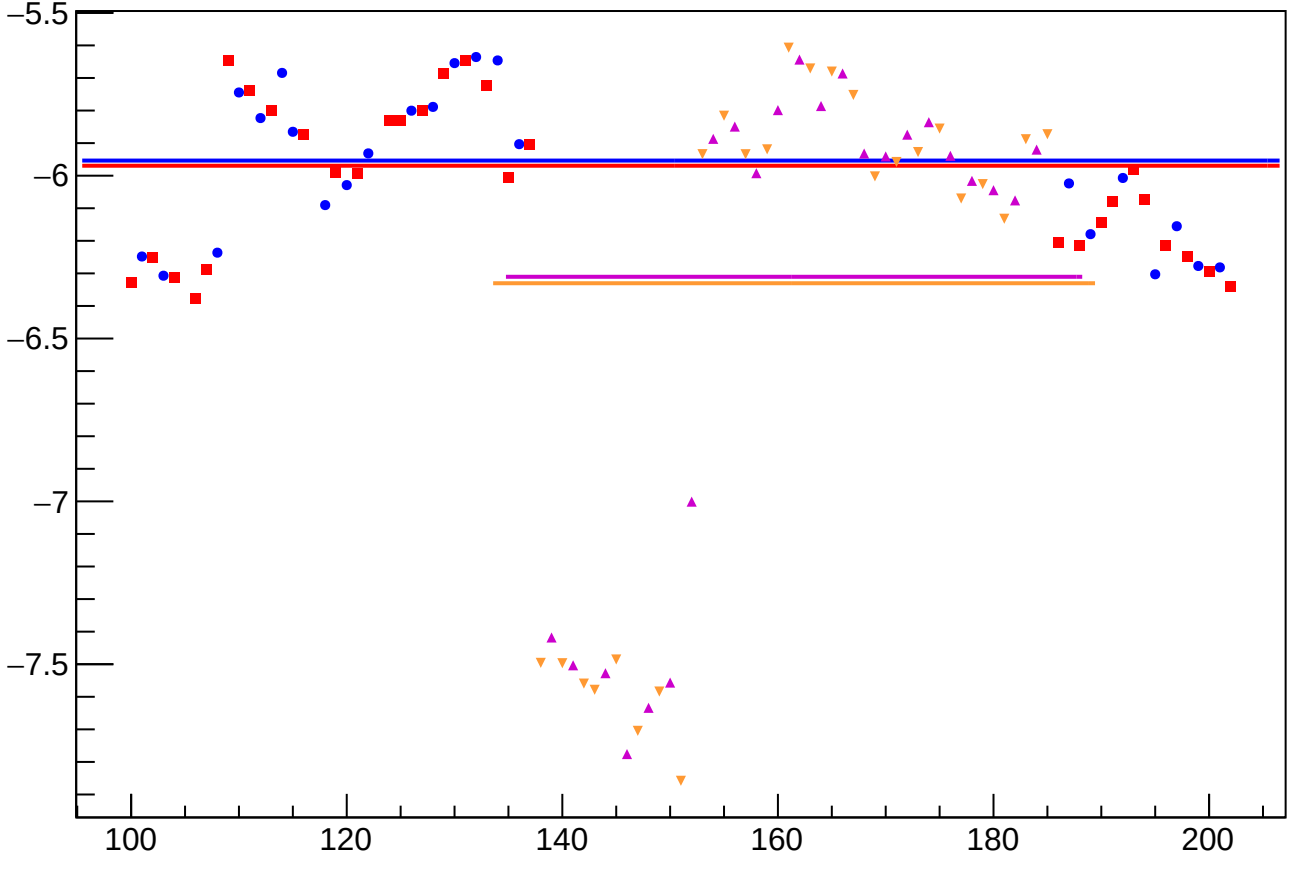
Right: 0.008+/-0.000 χ^2/NDF: 2726349.3/51

In: 0.007+/-0.000 χ^2/NDF:1999414.6/45

Out: 0.007+/-0.000 χ^2/NDF:2479369.1/53

All: 0.007+/-0.000 χ^2/NDF: 4480218.0/99

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13945638797.2/22

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.969+/-0.000 χ^2/NDF: 15350034062.2/28

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

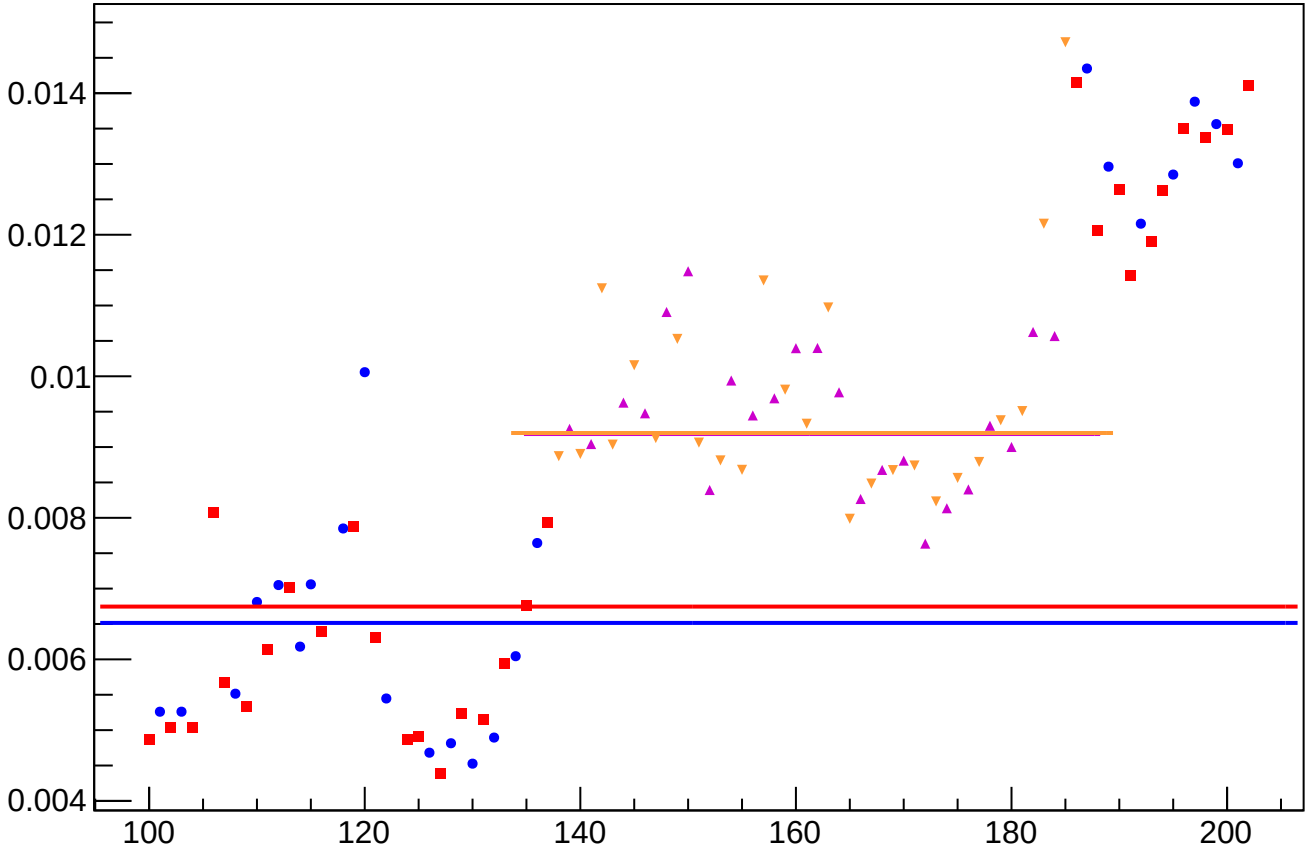
Right: -5.962+/-0.000 χ^2/NDF: 29325492343.1/51

In: -6.113+/-0.000 χ^2/NDF:118520706745.7/45

Out: -6.125+/-0.000 χ^2/NDF:139801431436.4/53

All: -6.119+/-0.000 χ^2/NDF: 258354506669.1

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3335718.4/22

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4110531.6/28

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

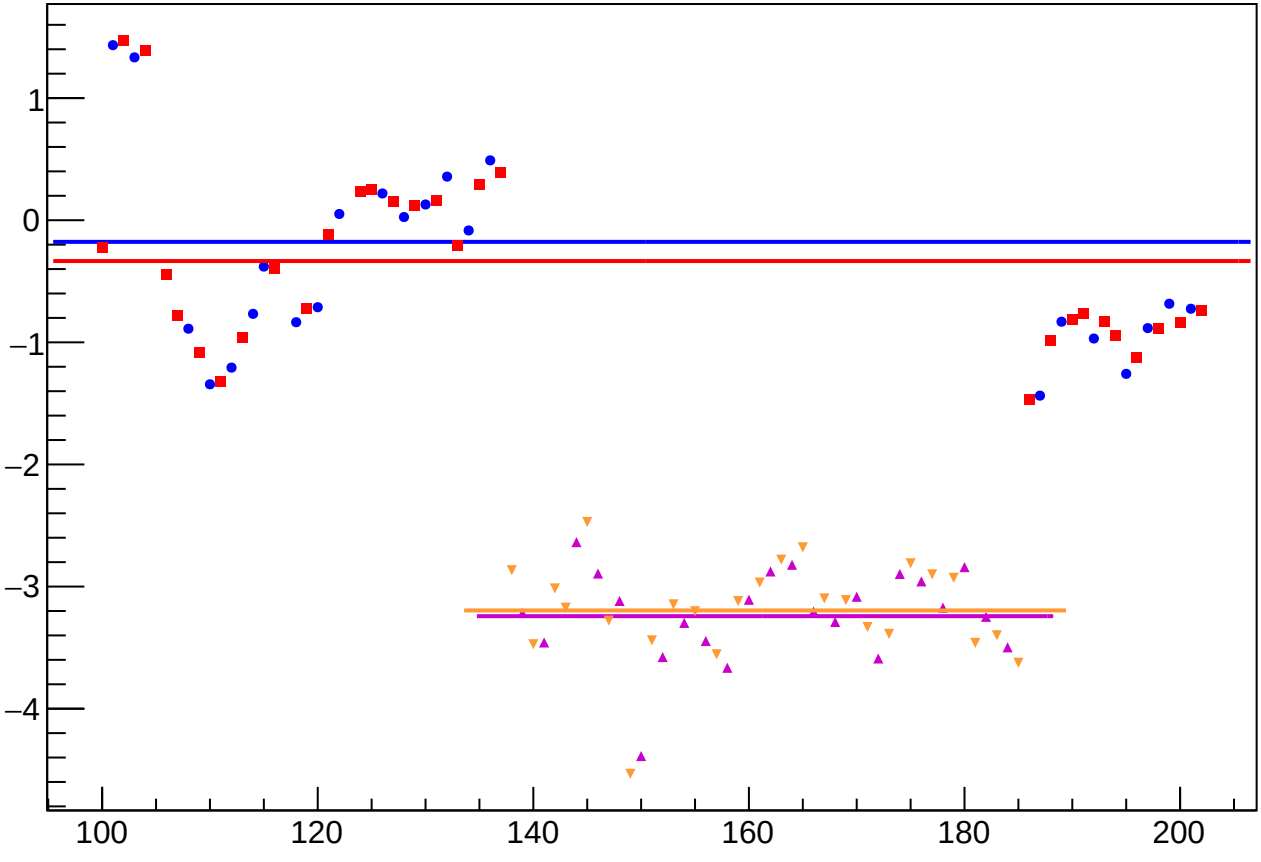
Right: 0.007+/-0.000 χ^2/NDF: 7458963.2/51

In: 0.008+/-0.000 χ^2/NDF:5097023.1/45

Out: 0.008+/-0.000 χ^2/NDF:5782805.3/53

All: 0.008+/-0.000 χ^2/NDF: 10883960.0/99

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.177+/-0.000 χ^2/NDF: 30631429744.5/22

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.334+/-0.000 χ^2/NDF: 33943880130.4/28

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

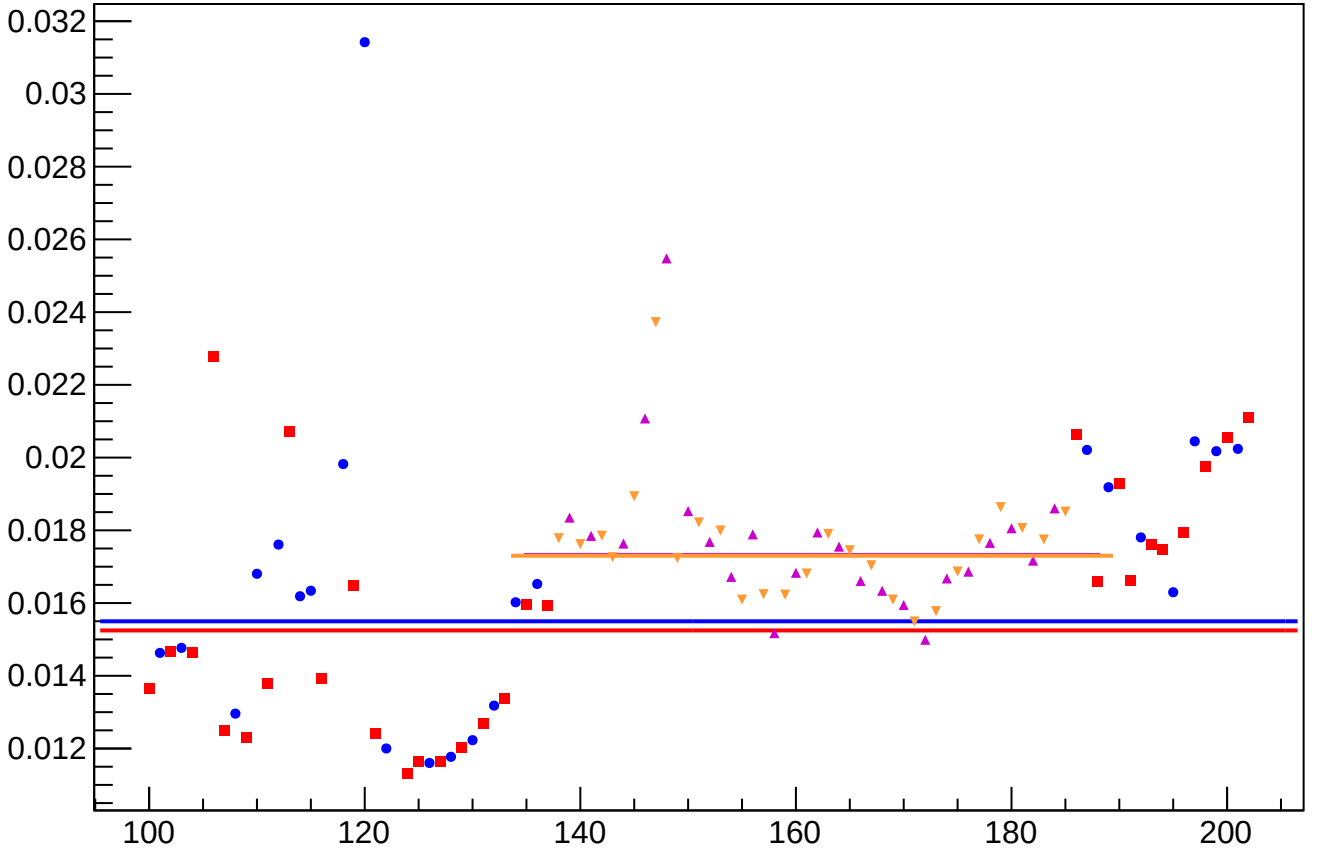
Right: -0.264+/-0.000 χ^2/NDF: 65203273942.1/51

In: -1.894+/-0.000 χ^2/NDF:280026993960.3/45

Out: -1.823+/-0.000 χ^2/NDF:287200077741.0/53

All: -1.856+/-0.000 χ^2/NDF: 567505165536.8

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 962808.9/22

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1066462.0/28

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

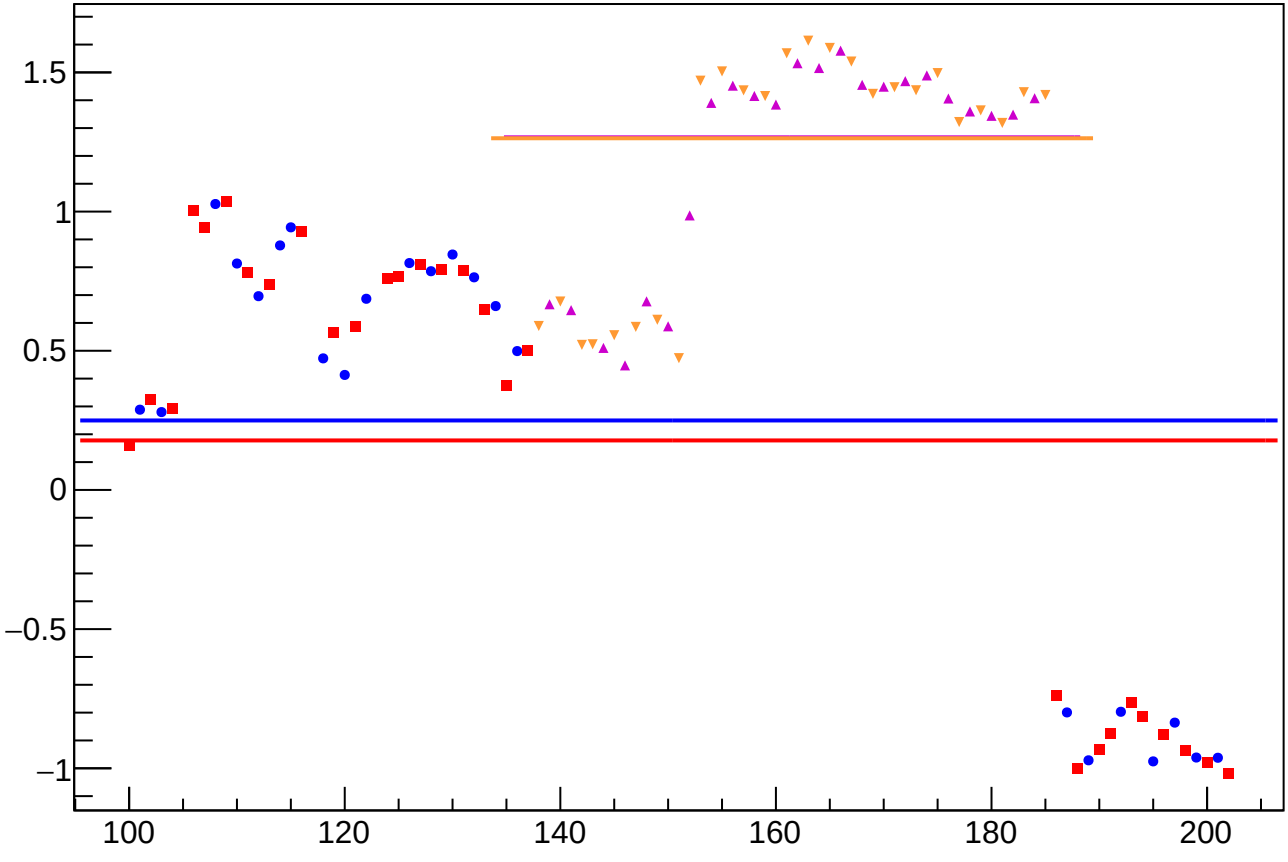
Right: 0.015+/-0.000 χ^2/NDF: 2032491.9/51

In: 0.017+/-0.000 χ^2/NDF:1463711.6/45

Out: 0.016+/-0.000 χ^2/NDF:1535720.3/53

All: 0.016+/-0.000 χ^2/NDF: 3004072.3/99

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.250+/-0.000 χ^2/NDF: 57719274040.6/22

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.178+/-0.000 χ^2/NDF: 76708820402.6/28

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

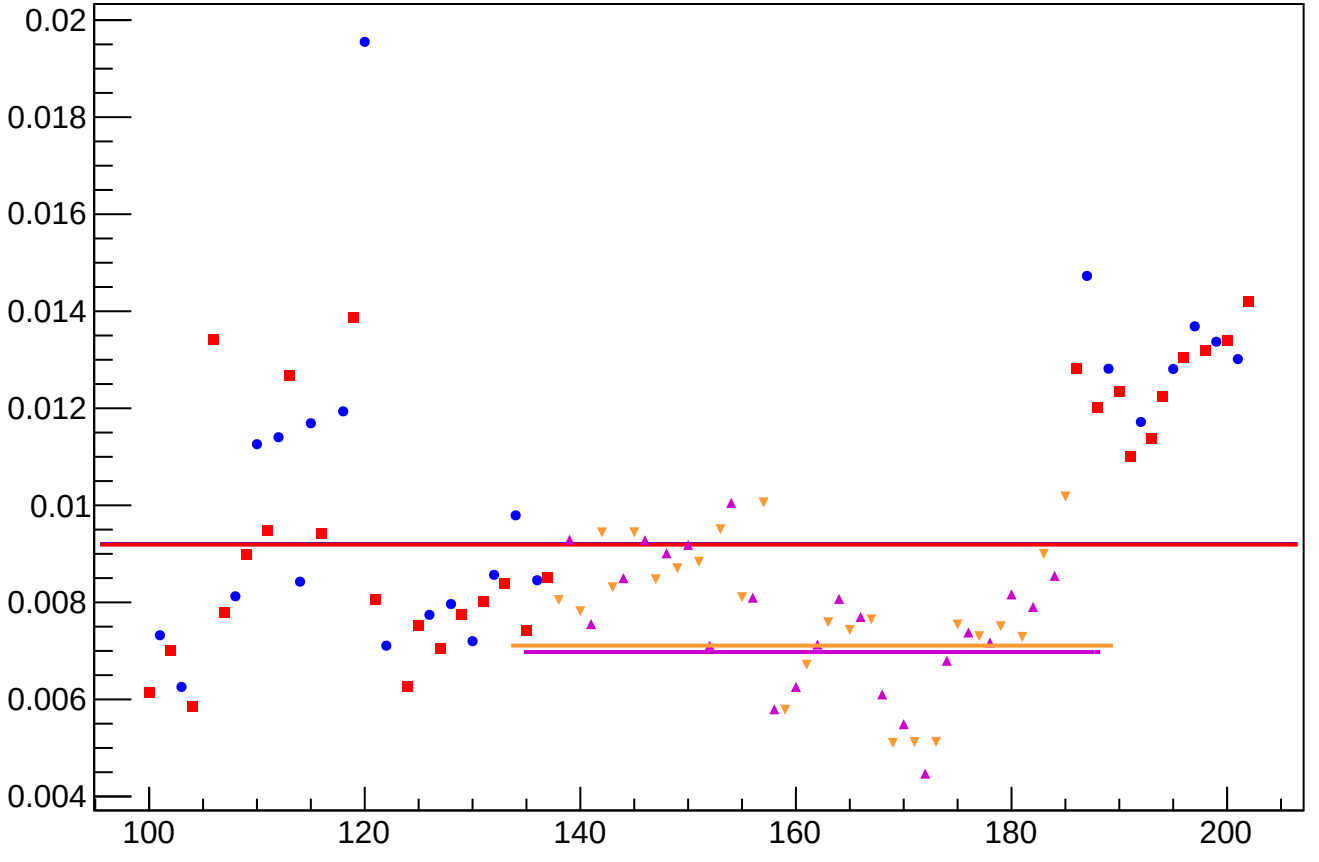
Right: 0.211+/-0.000 χ^2/NDF: 134775728048.2/51

In: 0.991+/-0.000 χ^2/NDF:188949567307.5/45

Out: 0.932+/-0.000 χ^2/NDF:243469315501.4/53

All: 0.961+/-0.000 χ^2/NDF: 433249070495.4

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1674902.1/22

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2048173.4/28

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

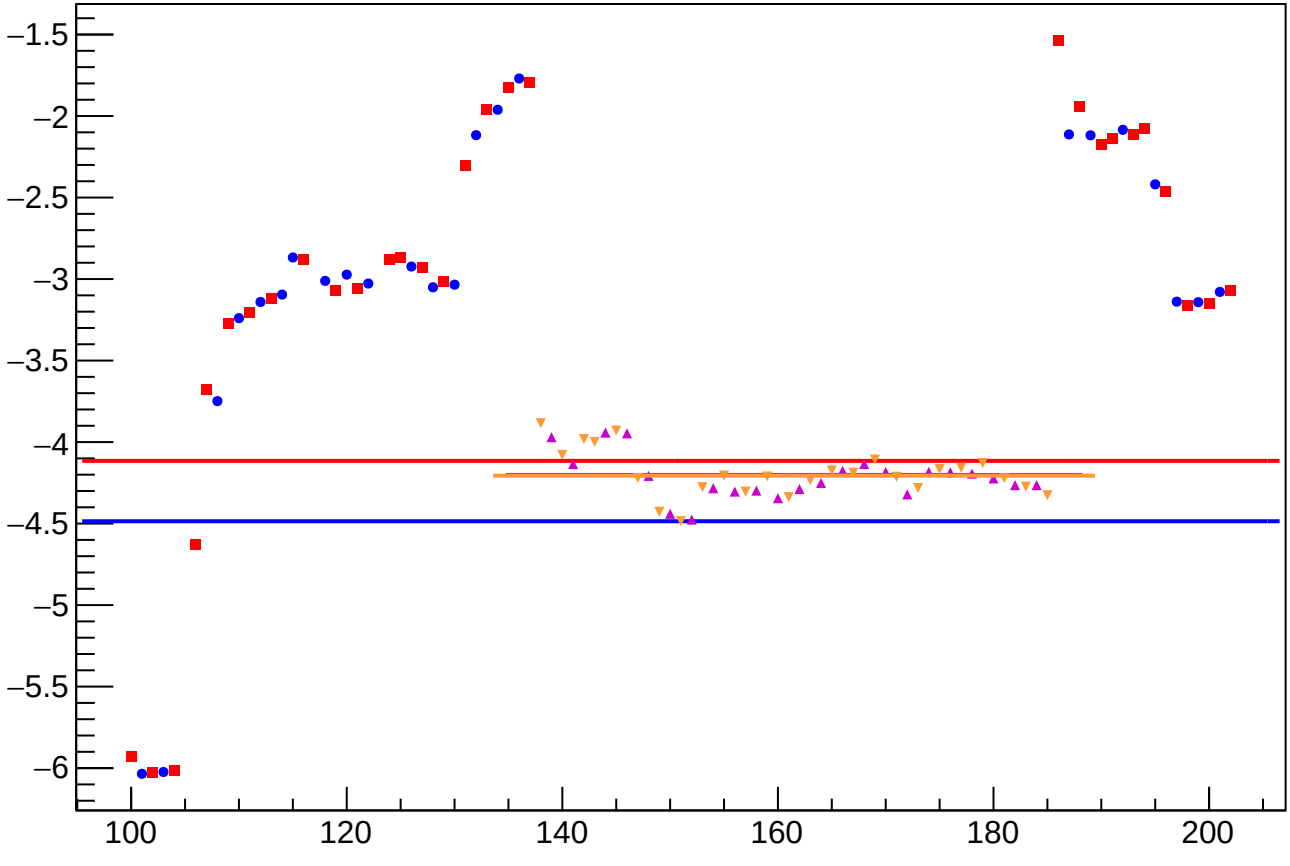
Right: 0.009+/-0.000 χ^2/NDF: 3723089.1/51

In: 0.008+/-0.000 χ^2/NDF:4028064.7/45

Out: 0.008+/-0.000 χ^2/NDF:4459142.5/53

All: 0.008+/-0.000 χ^2/NDF: 8500195.8/99

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.486+/-0.000 χ^2/NDF: 265473511956.7/22

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.115+/-0.000 χ^2/NDF: 297604891419.7/28

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

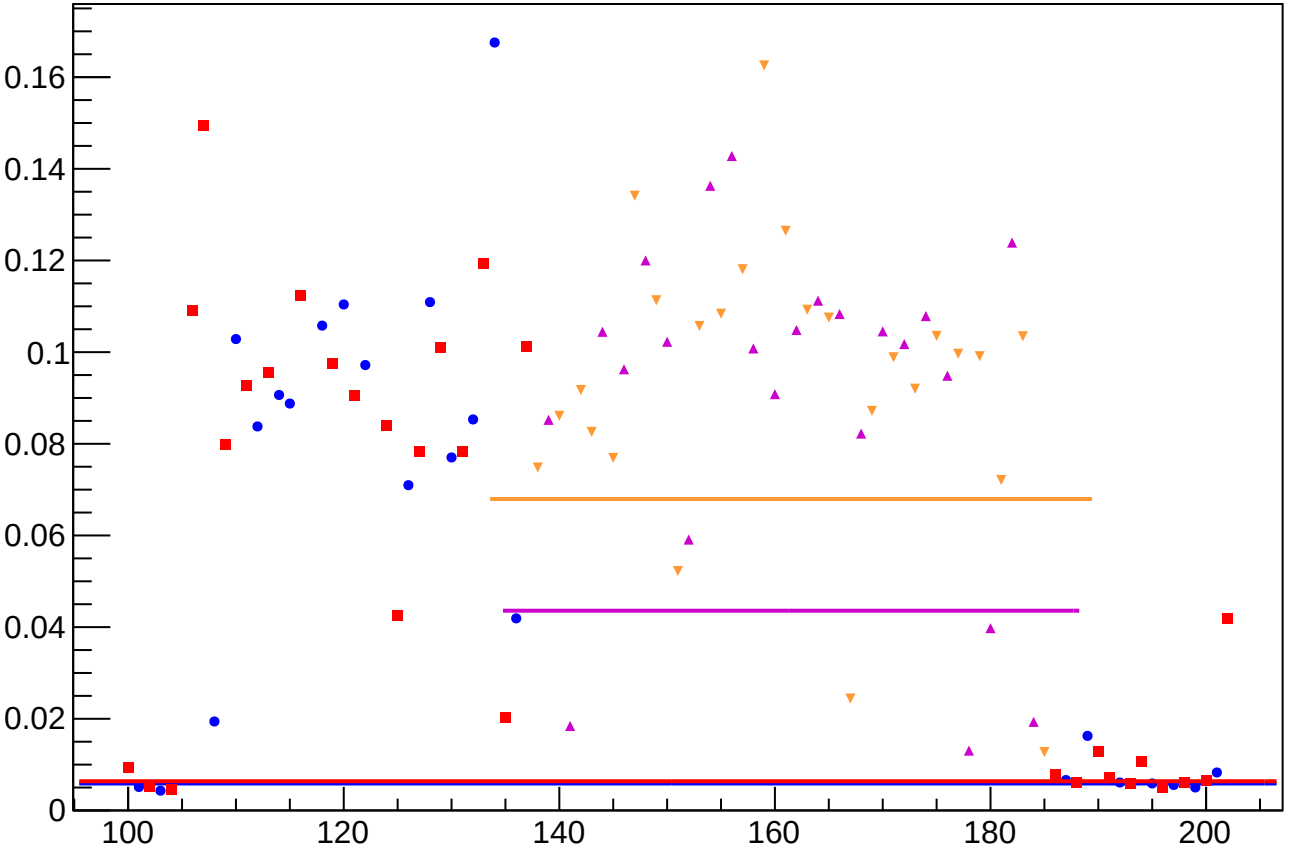
Right: -4.310+/-0.000 χ^2/NDF: 569270701279.4/51

In: -4.474+/-0.000 χ^2/NDF:265832481041.1/45

Out: -4.118+/-0.000 χ^2/NDF:297687837156.6/53

All: -4.306+/-0.000 χ^2/NDF: 569448836182.4

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8861894.5/22

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9426292.6/28

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

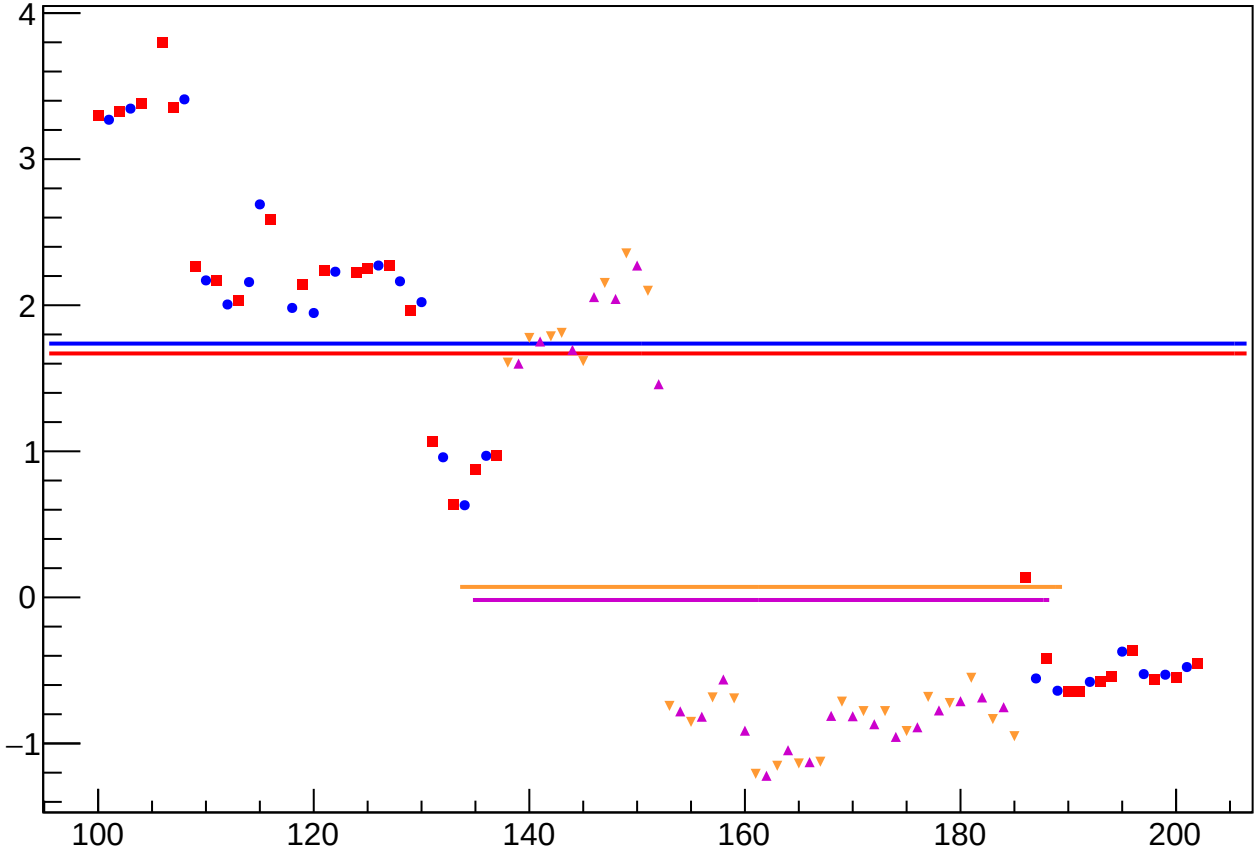
Right: 0.006+/-0.000 χ^2/NDF: 18309835.5/51

In: 0.007+/-0.000 χ^2/NDF:32773545.3/45

Out: 0.008+/-0.000 χ^2/NDF:36630890.1/53

All: 0.008+/-0.000 χ^2/NDF: 69462499.5/99

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.737+/-0.000 χ^2/NDF: 181050745795.3/22

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.670+/-0.000 χ^2/NDF: 182193029145.9/28

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

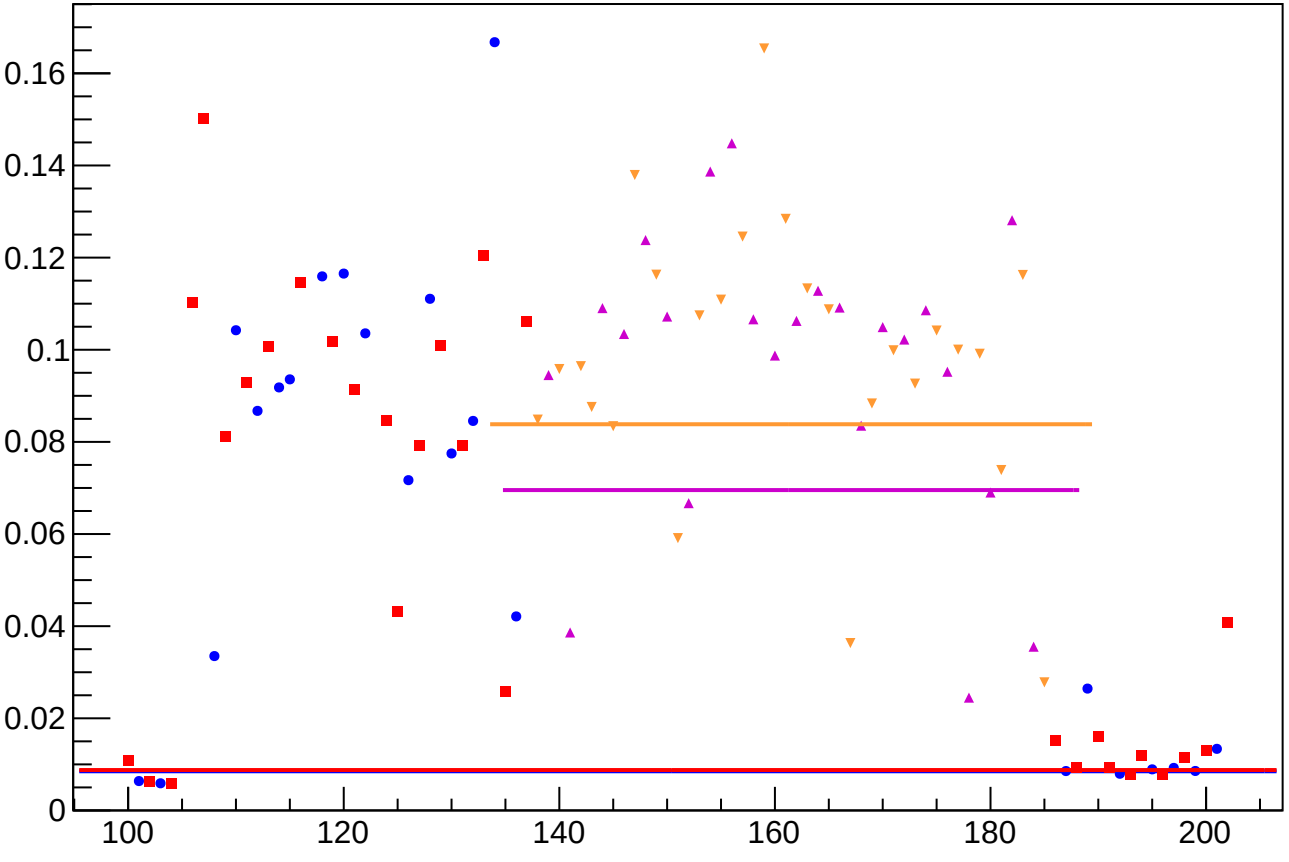
Right: 1.704+/-0.000 χ^2/NDF: 363361960562.5/51

In: 1.661+/-0.000 χ^2/NDF:191513043483.6/45

Out: 1.608+/-0.000 χ^2/NDF:190881401536.0/53

All: 1.635+/-0.000 χ^2/NDF: 382468311799.0

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8680661.5/22

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 9234253.5/28

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

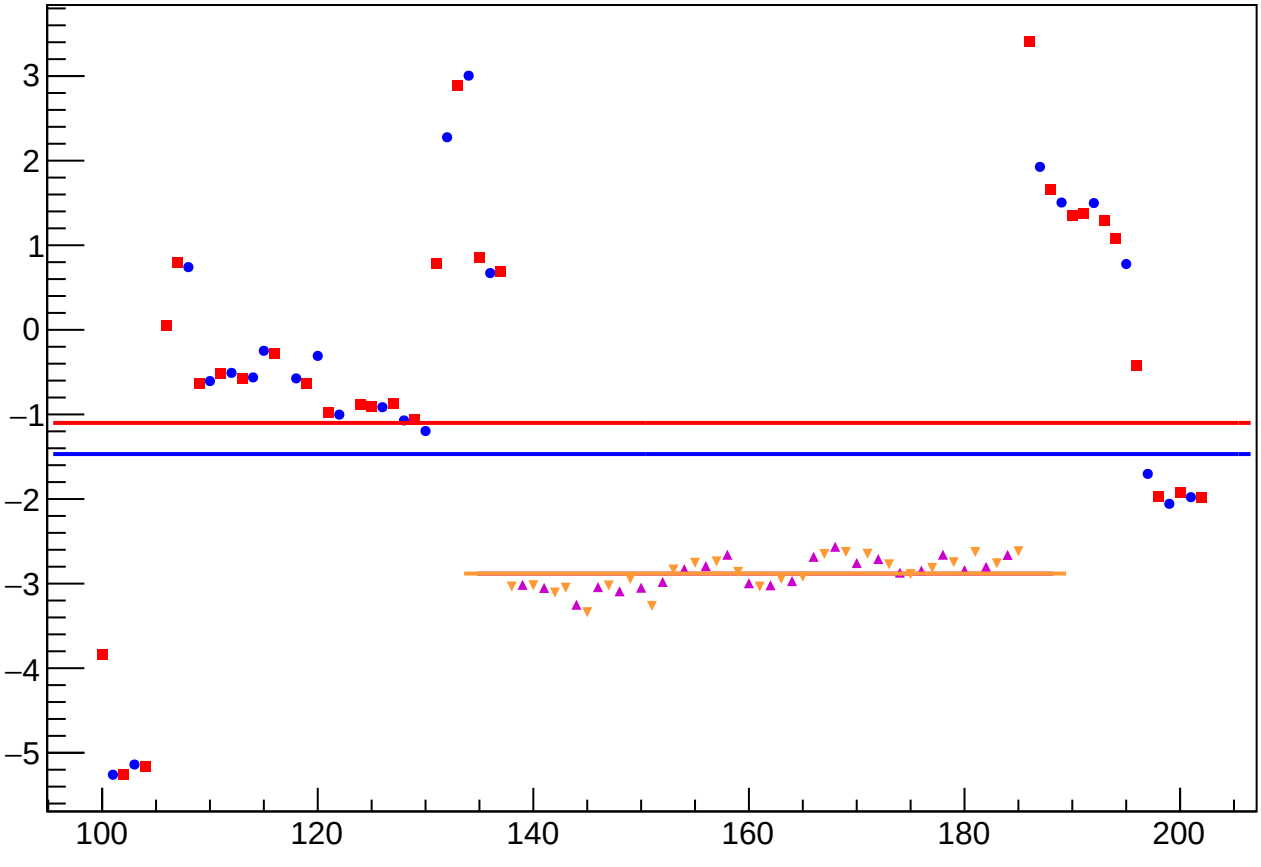
Right: 0.009+/-0.000 χ^2/NDF: 17918550.5/51

In: 0.011+/-0.000 χ^2/NDF:32321449.0/45

Out: 0.012+/-0.000 χ^2/NDF:35356344.5/53

All: 0.011+/-0.000 χ^2/NDF: 67690398.5/99

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.469+/-0.000 χ^2/NDF: 207271329688.1/22

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.100+/-0.000 χ^2/NDF: 234042687475.8/28

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

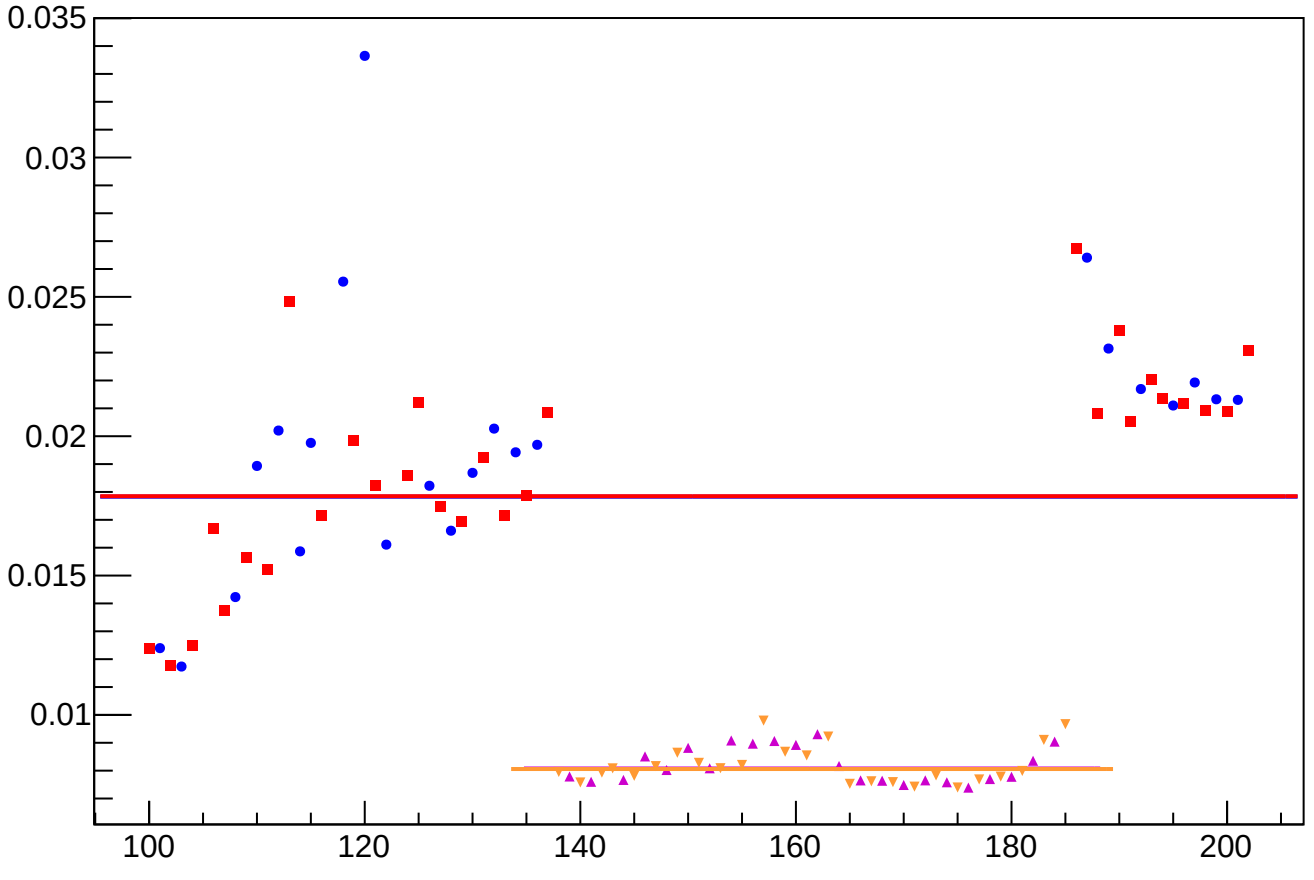
Right: -1.266+/-0.000 χ^2/NDF: 443784457481.8/51

In: -2.727+/-0.000 χ^2/NDF:274495381303.7/45

Out: -2.659+/-0.000 χ^2/NDF:356948685308.5/53

All: -2.692+/-0.000 χ^2/NDF: 632157663690.4

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1217182.7/22

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1210471.7/28

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

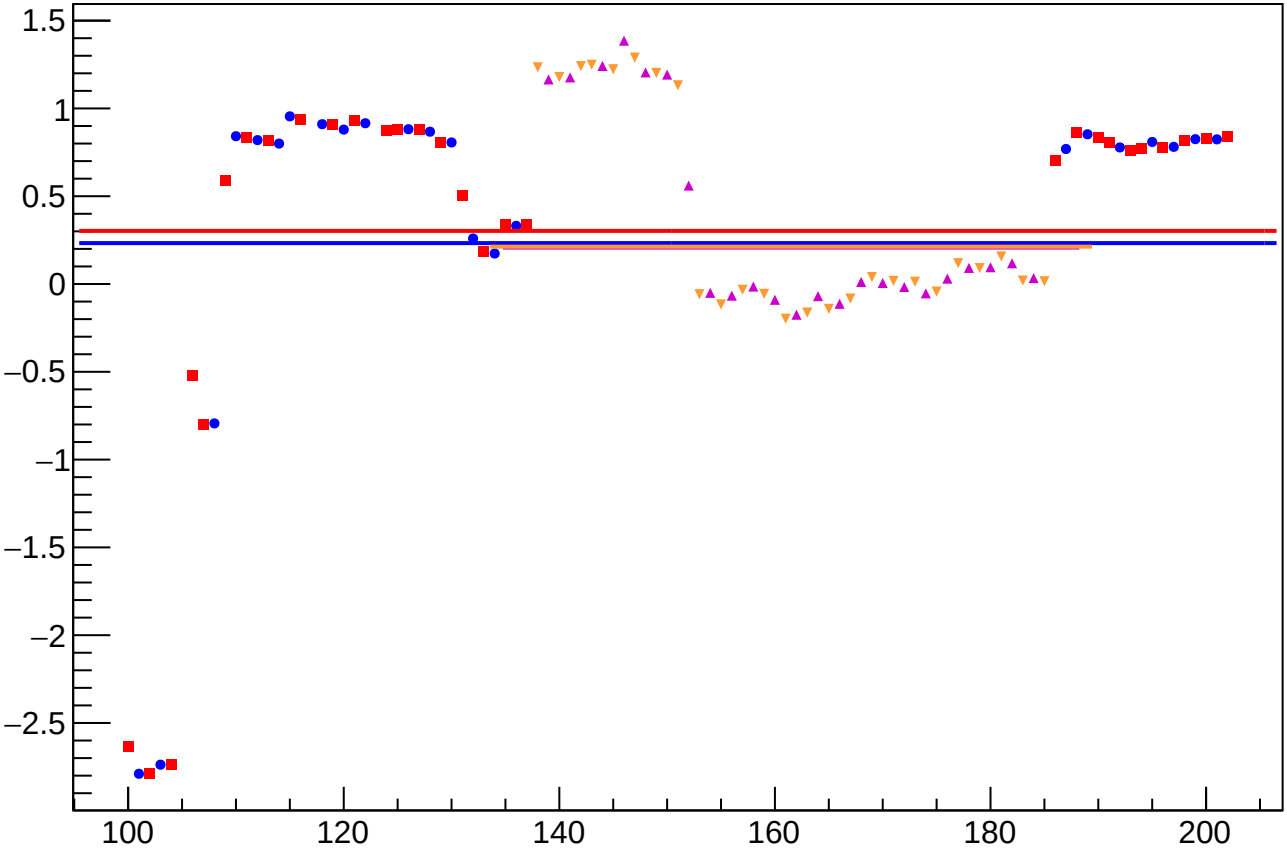
Right: 0.018+/-0.000 χ^2/NDF: 2427664.6/51

In: 0.009+/-0.000 χ^2/NDF:7006672.0/45

Out: 0.009+/-0.000 χ^2/NDF:8185257.4/53

All: 0.009+/-0.000 χ^2/NDF: 15196984.4/99

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.233+/-0.000 χ^2/NDF: 933722190645.0/22

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.303+/-0.000 χ^2/NDF: 1033790318838.5/28

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

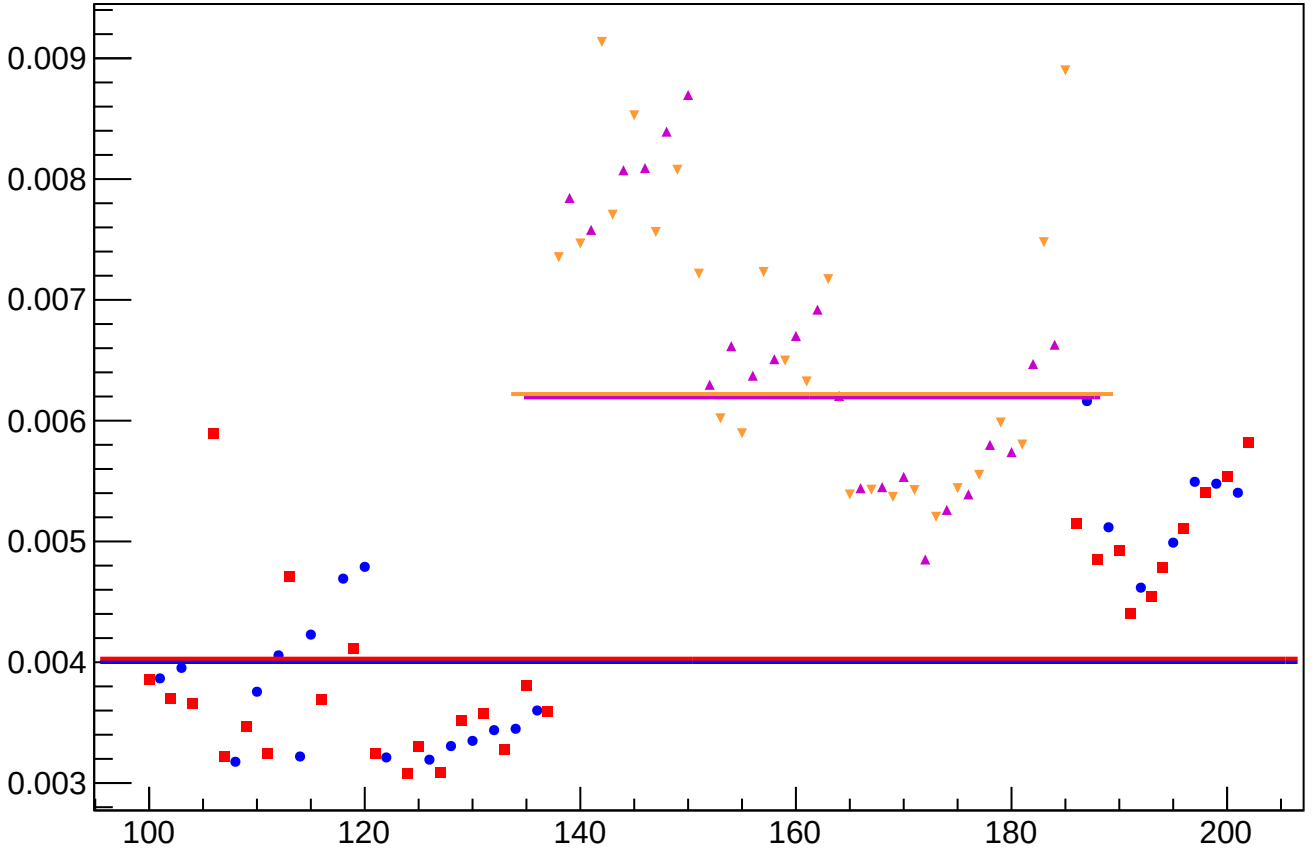
Right: 0.271+/-0.000 χ^2/NDF: 1969352414750.8/51

In: 0.224+/-0.000 χ^2/NDF:1021001913095.7/45

Out: 0.272+/-0.000 χ^2/NDF:1138893438250.3/53

All: 0.249+/-0.000 χ^2/NDF: 2161270227027.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 896641.1/22

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1135021.9/28

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

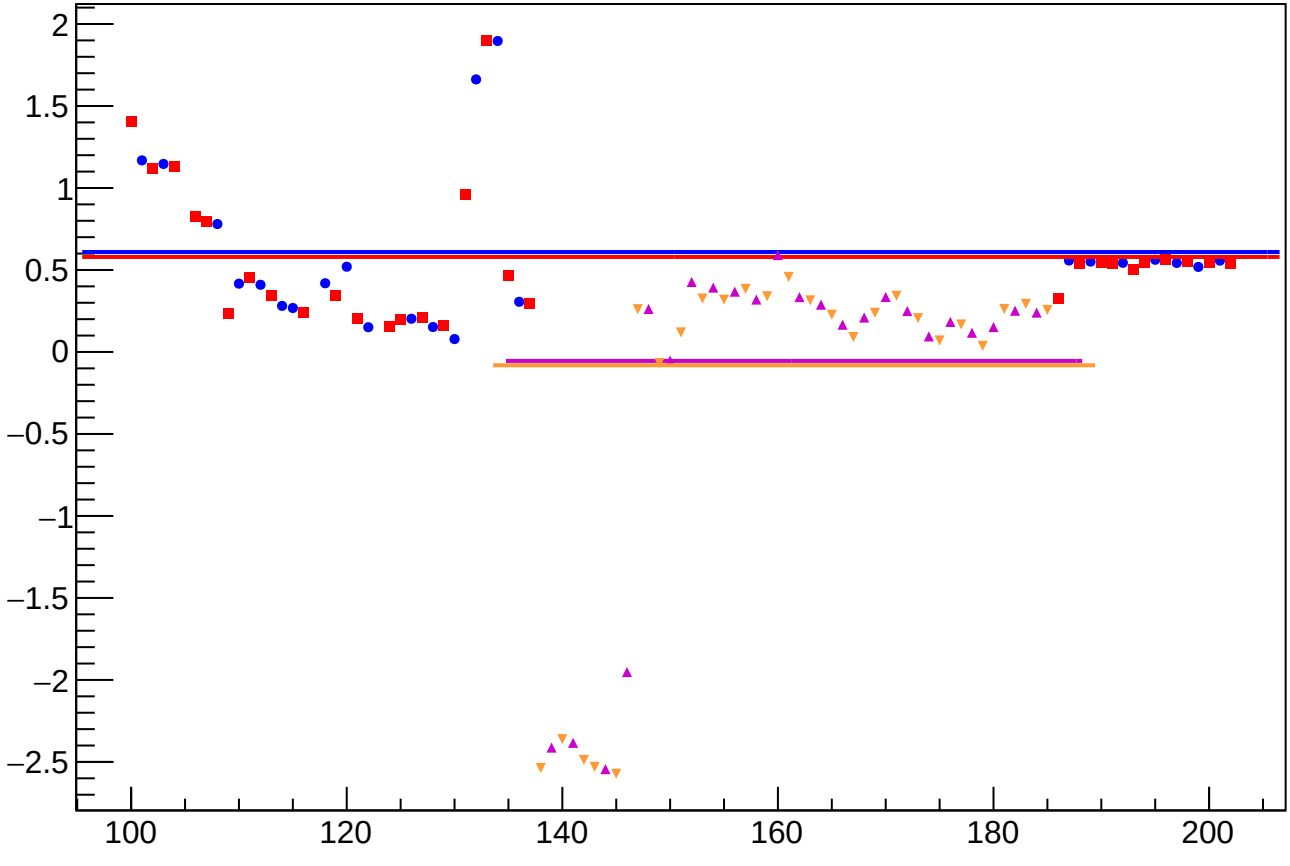
Right: 0.004+/-0.000 χ^2/NDF: 2032230.3/51

In: 0.005+/-0.000 χ^2/NDF:4213197.2/45

Out: 0.005+/-0.000 χ^2/NDF:4663934.7/53

All: 0.005+/-0.000 χ^2/NDF: 8878259.8/99

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.610+/-0.000 χ^2/NDF: 43432890350.0/22

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.579+/-0.000 χ^2/NDF: 43672221276.6/28

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

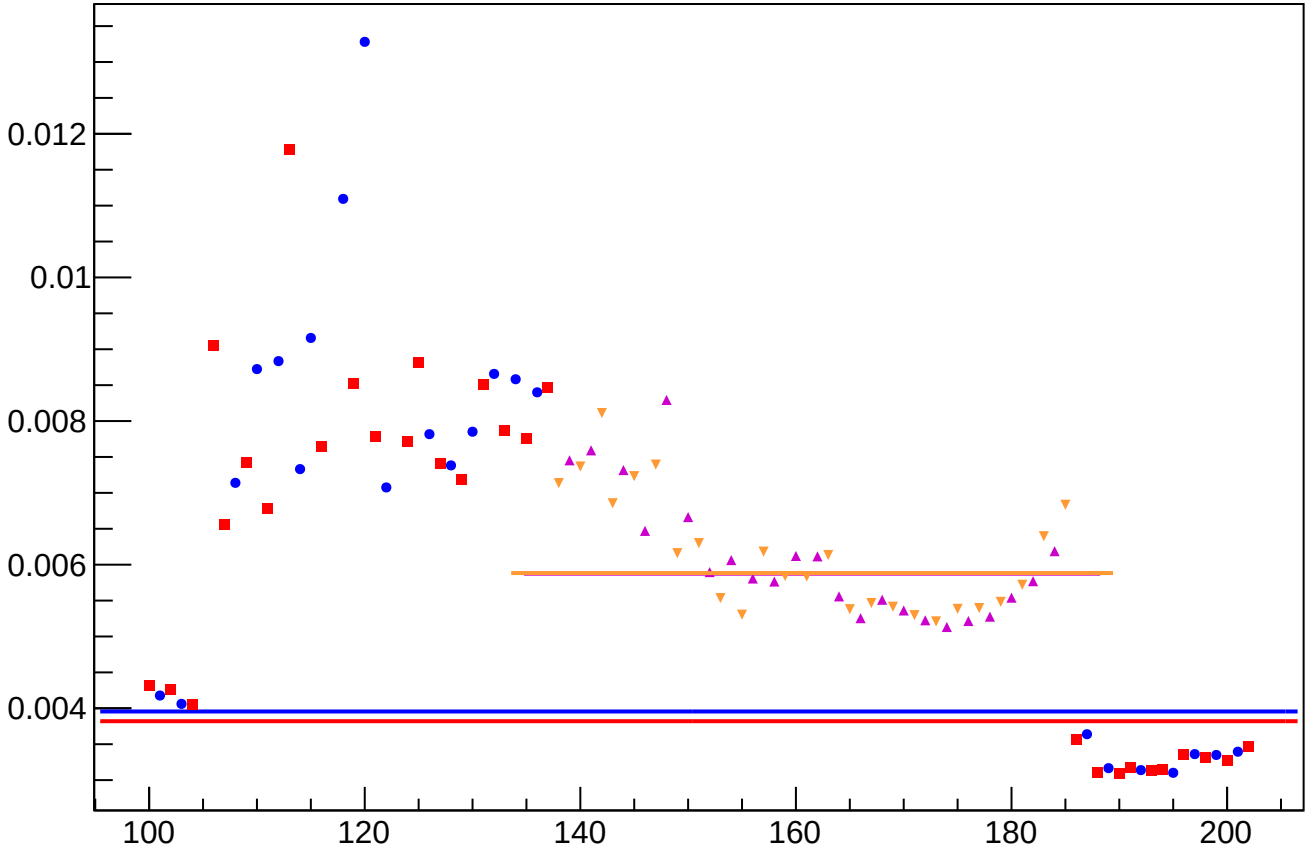
Right: 0.592+/-0.000 χ^2/NDF: 87421669411.4/51

In: 0.315+/-0.000 χ^2/NDF:509521869797.4/45

Out: 0.325+/-0.000 χ^2/NDF:567935691059.1/53

All: 0.321+/-0.000 χ^2/NDF: 1077515890181.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3356691.6/22

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3396073.1/28

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

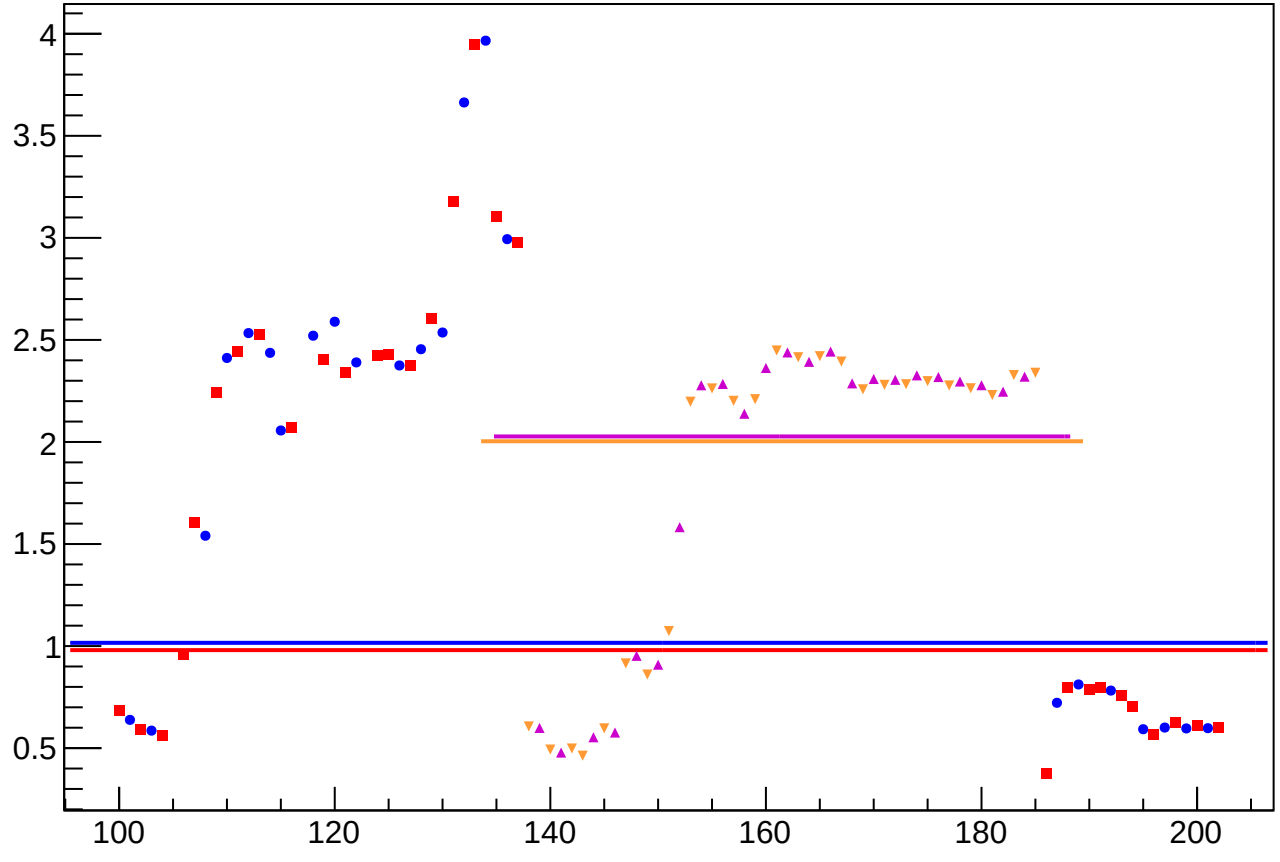
Right: 0.004+/-0.000 χ^2/NDF: 6765517.6/51

In: 0.005+/-0.000 χ^2/NDF:5865439.8/45

Out: 0.005+/-0.000 χ^2/NDF:6505873.4/53

All: 0.005+/-0.000 χ^2/NDF: 12415203.3/99

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.016+/-0.000 χ^2/NDF: 222364970108.2/22

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.980+/-0.000 χ^2/NDF: 257635567188.6/28

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

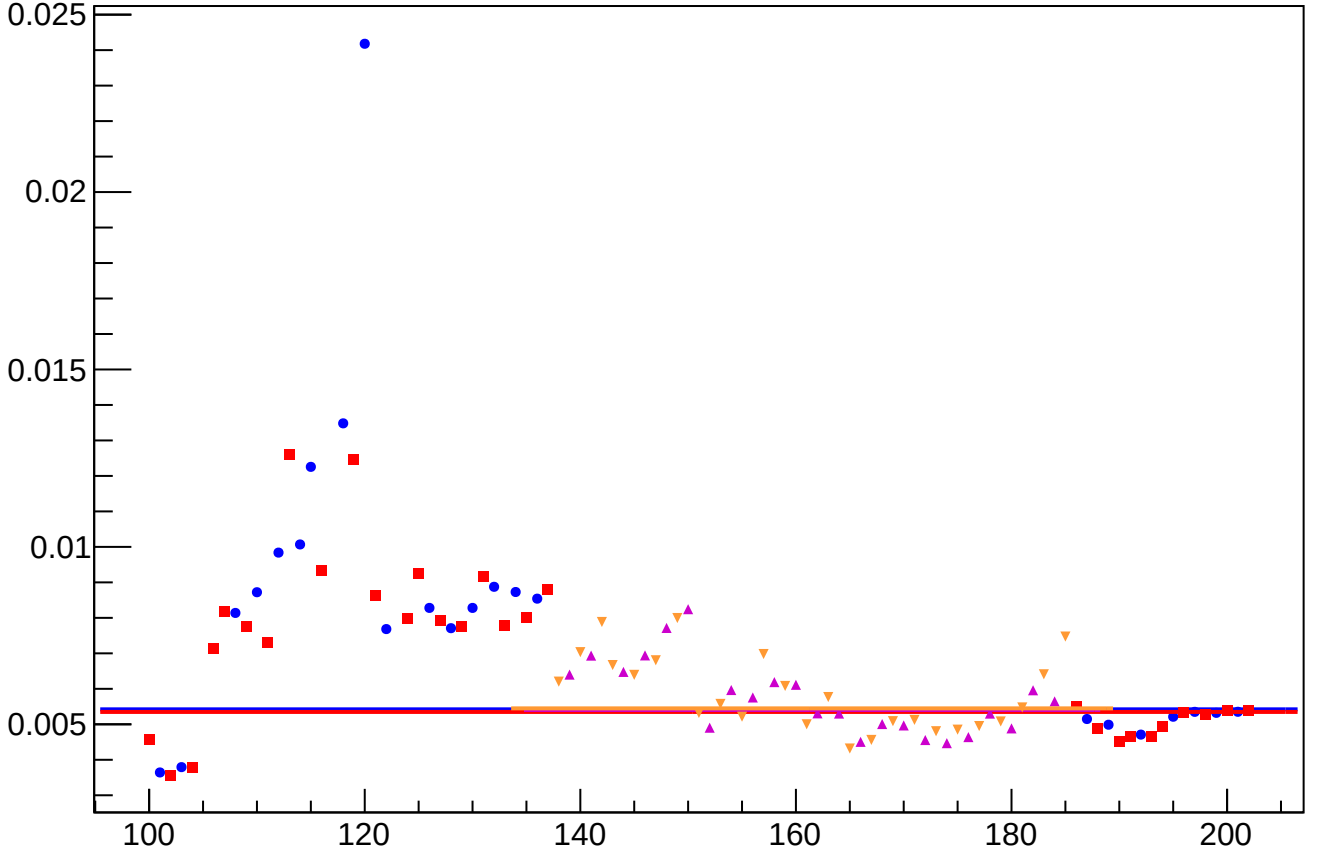
Right: 0.996+/-0.000 χ^2/NDF: 480241295899.8/51

In: 1.635+/-0.000 χ^2/NDF:627339052042.2/45

Out: 1.556+/-0.000 χ^2/NDF:729140416620.3/53

All: 1.594+/-0.000 χ^2/NDF: 1359345377914.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2307210.8/22

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124571.2/28

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

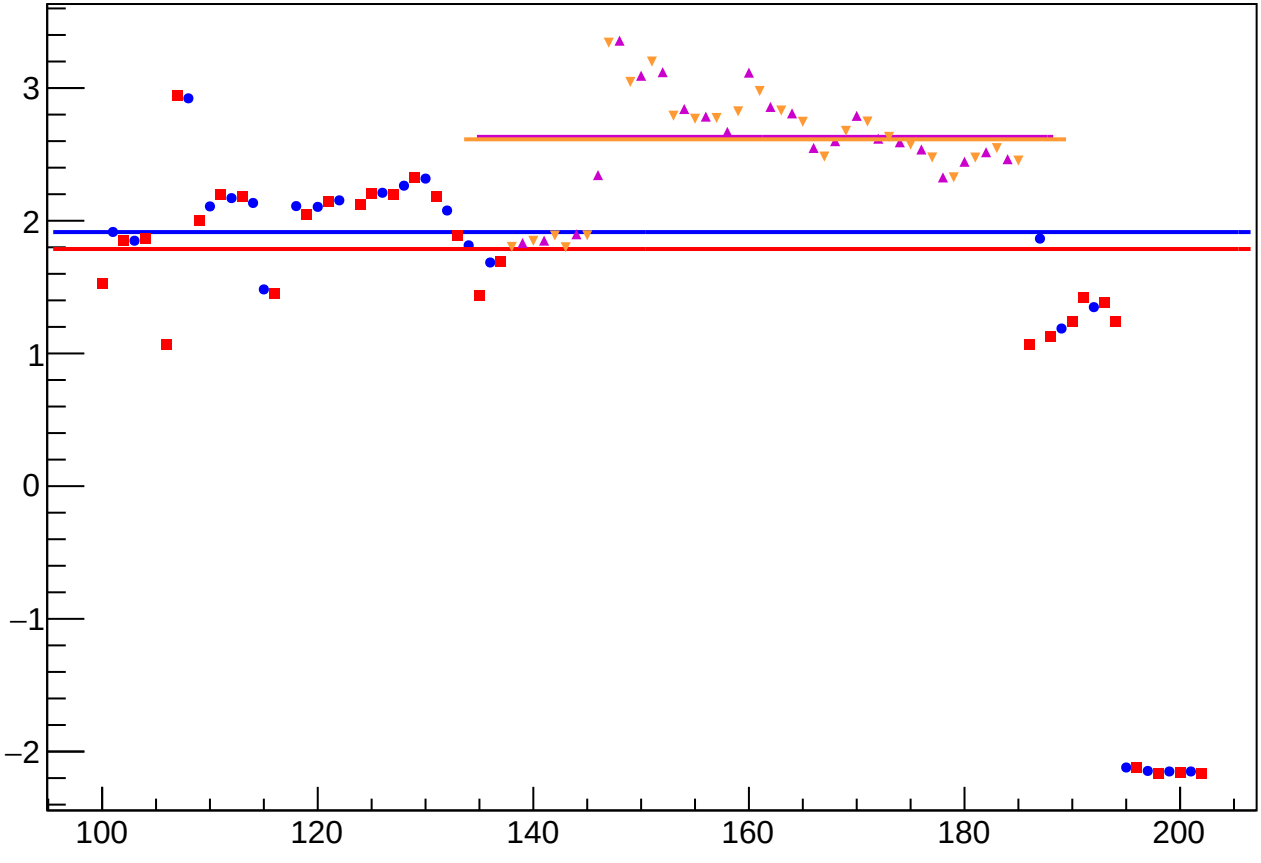
Right: 0.005+/-0.000 χ^2/NDF: 4433785.7/51

In: 0.005+/-0.000 χ^2/NDF:3122465.0/45

Out: 0.005+/-0.000 χ^2/NDF:2900819.3/53

All: 0.005+/-0.000 χ^2/NDF: 6023319.9/99

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.915+/-0.000 χ^2/NDF: 97409811416.5/22

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.787+/-0.000 χ^2/NDF: 106482879158.0/28

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

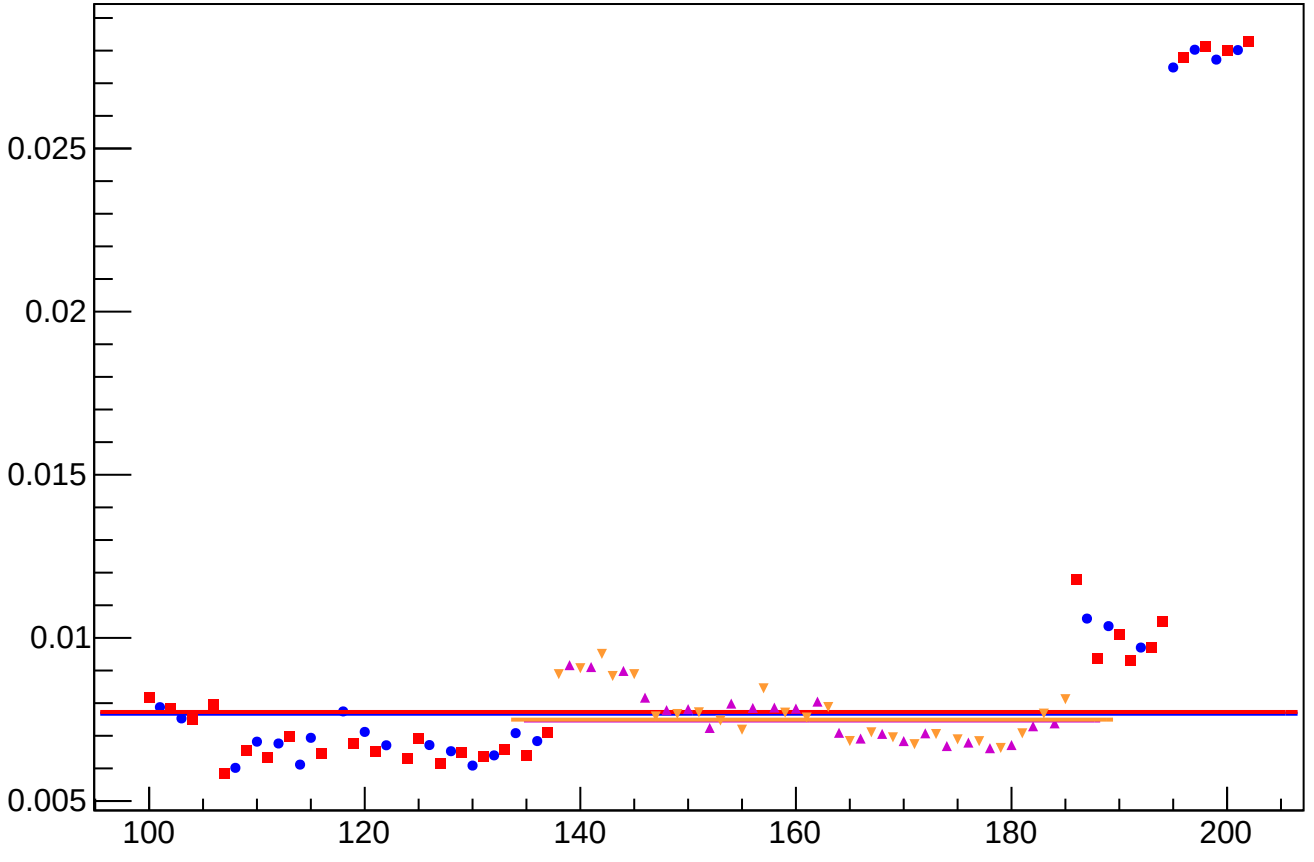
Right: 1.845+/-0.000 χ^2/NDF: 205372613144.6/51

In: 2.380+/-0.000 χ^2/NDF:194019035466.0/45

Out: 2.299+/-0.000 χ^2/NDF:236874179167.4/53

All: 2.338+/-0.000 χ^2/NDF: 432552978116.6

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 4063565.9/22

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4410881.0/28

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

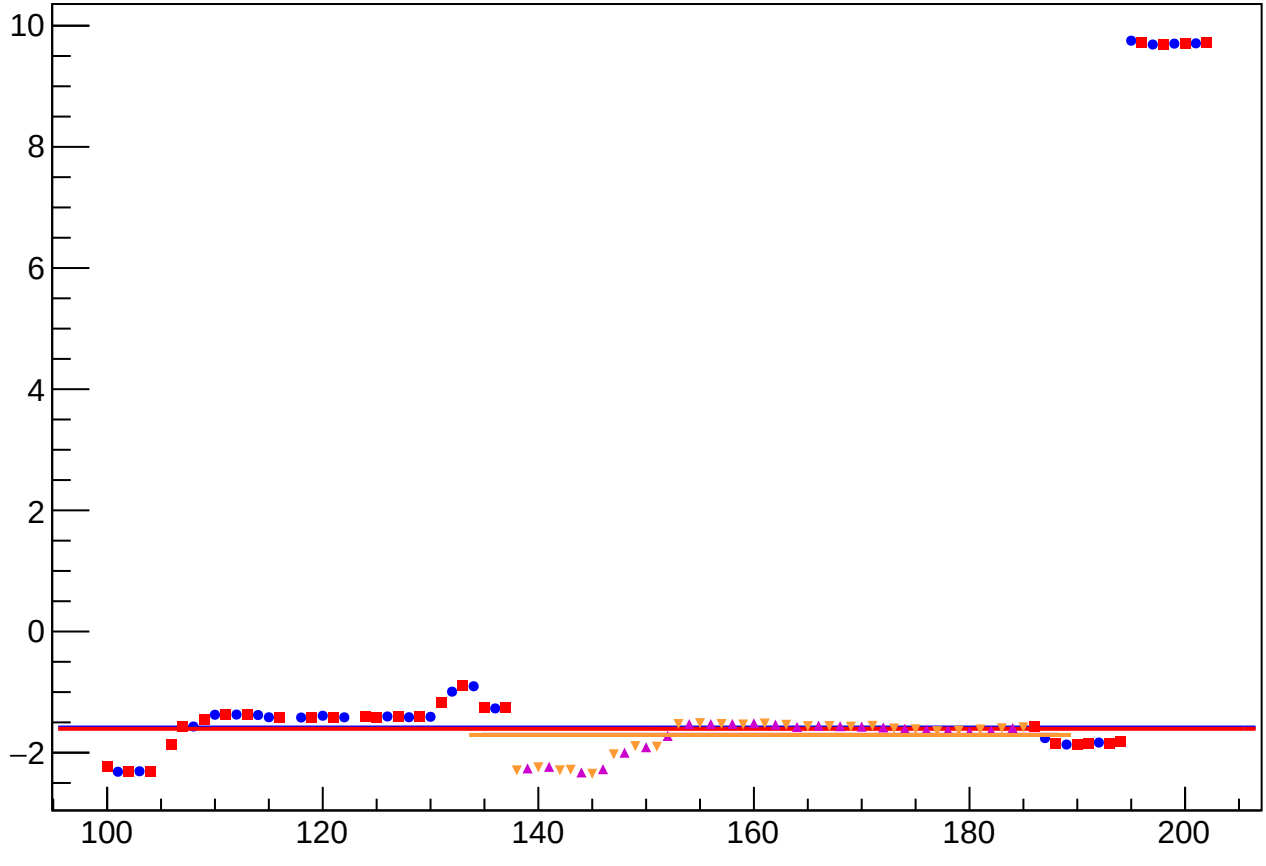
Right: 0.008+/-0.000 χ^2/NDF: 8474975.3/51

In: 0.008+/-0.000 χ^2/NDF:4394939.4/45

Out: 0.008+/-0.000 χ^2/NDF:4757123.3/53

All: 0.008+/-0.000 χ^2/NDF: 9153017.2/99

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.585+/-0.000 χ^2/NDF: 302607400070.5/22

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.606+/-0.000 χ^2/NDF: 311645301327.3/28

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

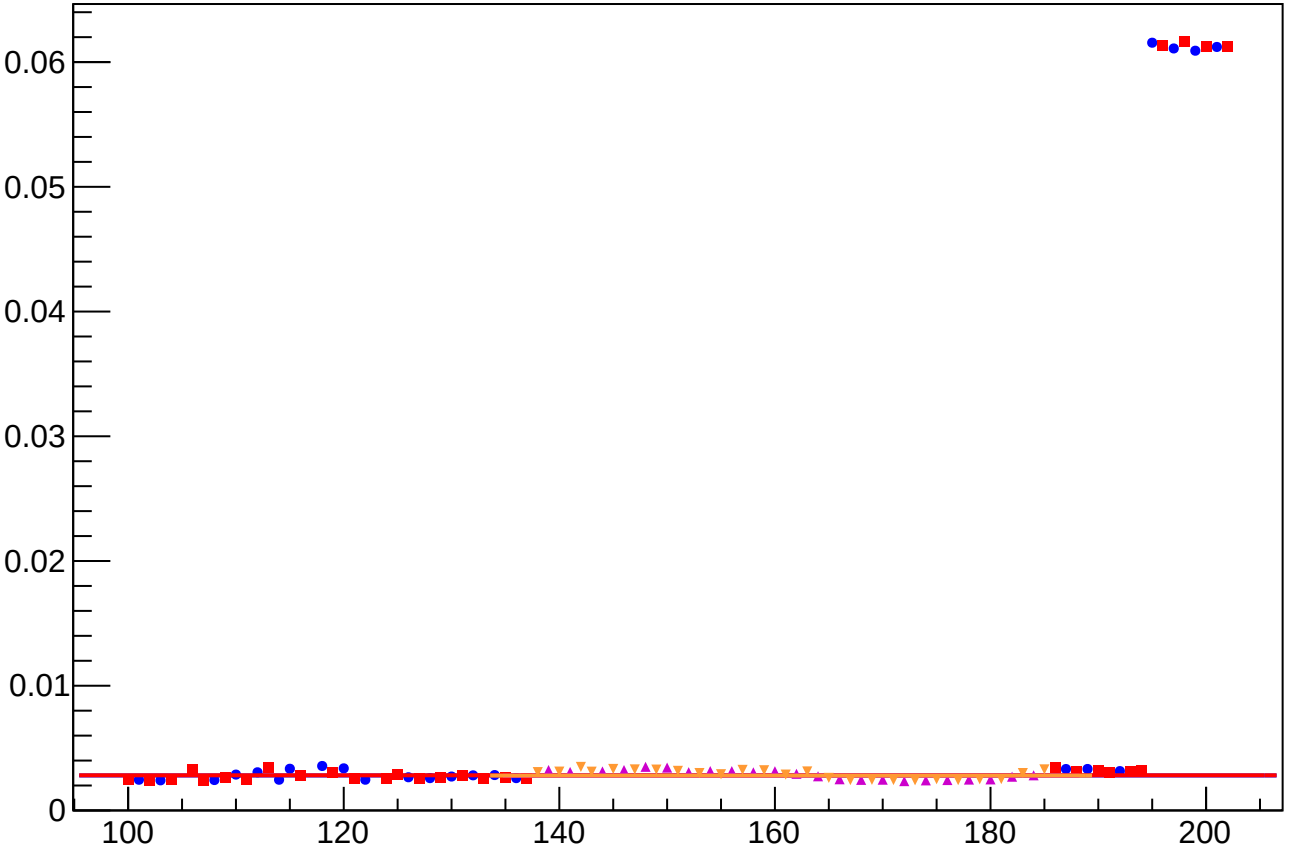
Right: -1.596+/-0.000 χ^2/NDF: 614525495275.1/51

In: -1.665+/-0.000 χ^2/NDF:449793646127.2/45

Out: -1.670+/-0.000 χ^2/NDF:472164135869.2/53

All: -1.668+/-0.000 χ^2/NDF: 922000620604.6

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6467934.7/22

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6529541.3/28

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

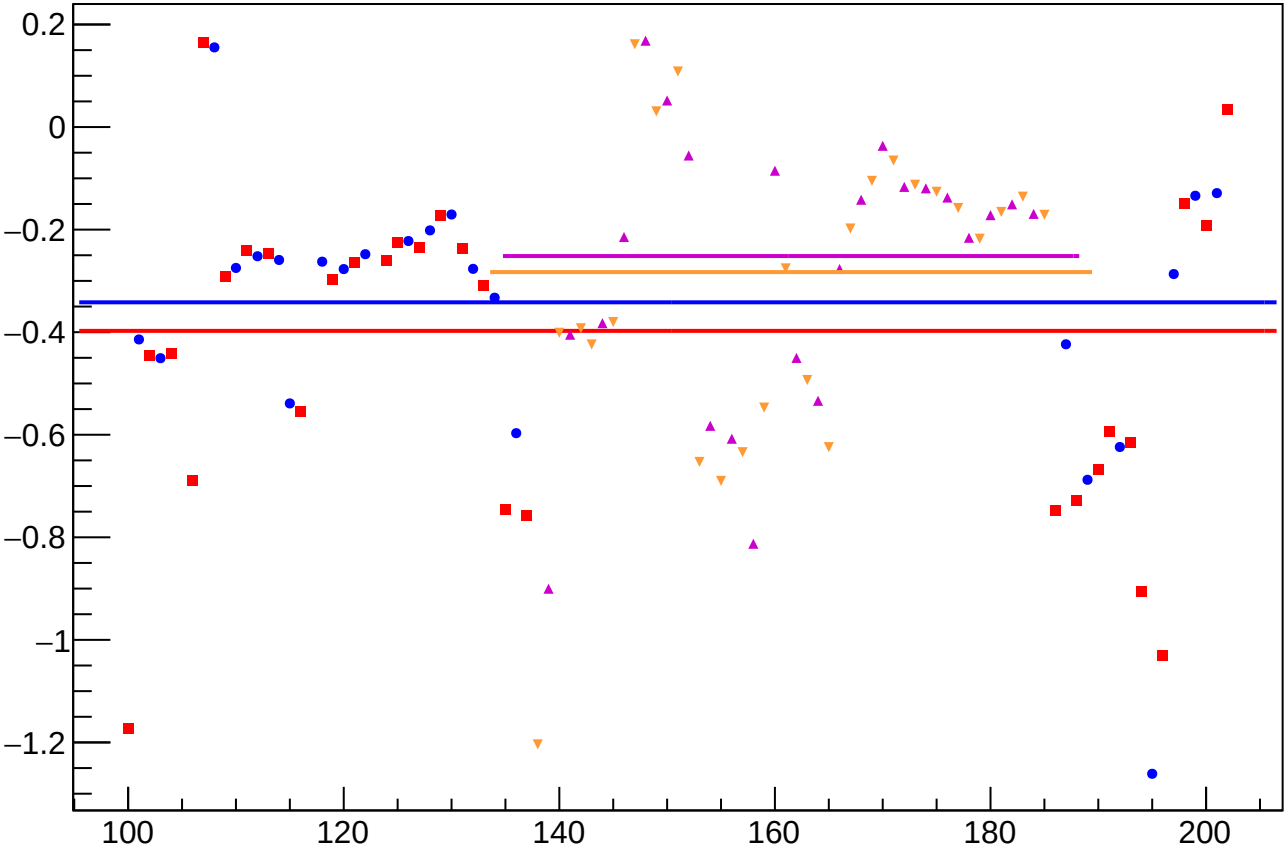
Right: 0.003+/-0.000 χ^2/NDF: 12997724.4/51

In: 0.003+/-0.000 χ^2/NDF:7025685.7/45

Out: 0.003+/-0.000 χ^2/NDF:7078184.3/53

All: 0.003+/-0.000 χ^2/NDF: 14104528.5/99

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.342+/-0.000 χ^2/NDF: 4899712748.8/22

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.397+/-0.000 χ^2/NDF: 6198842886.5/28

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

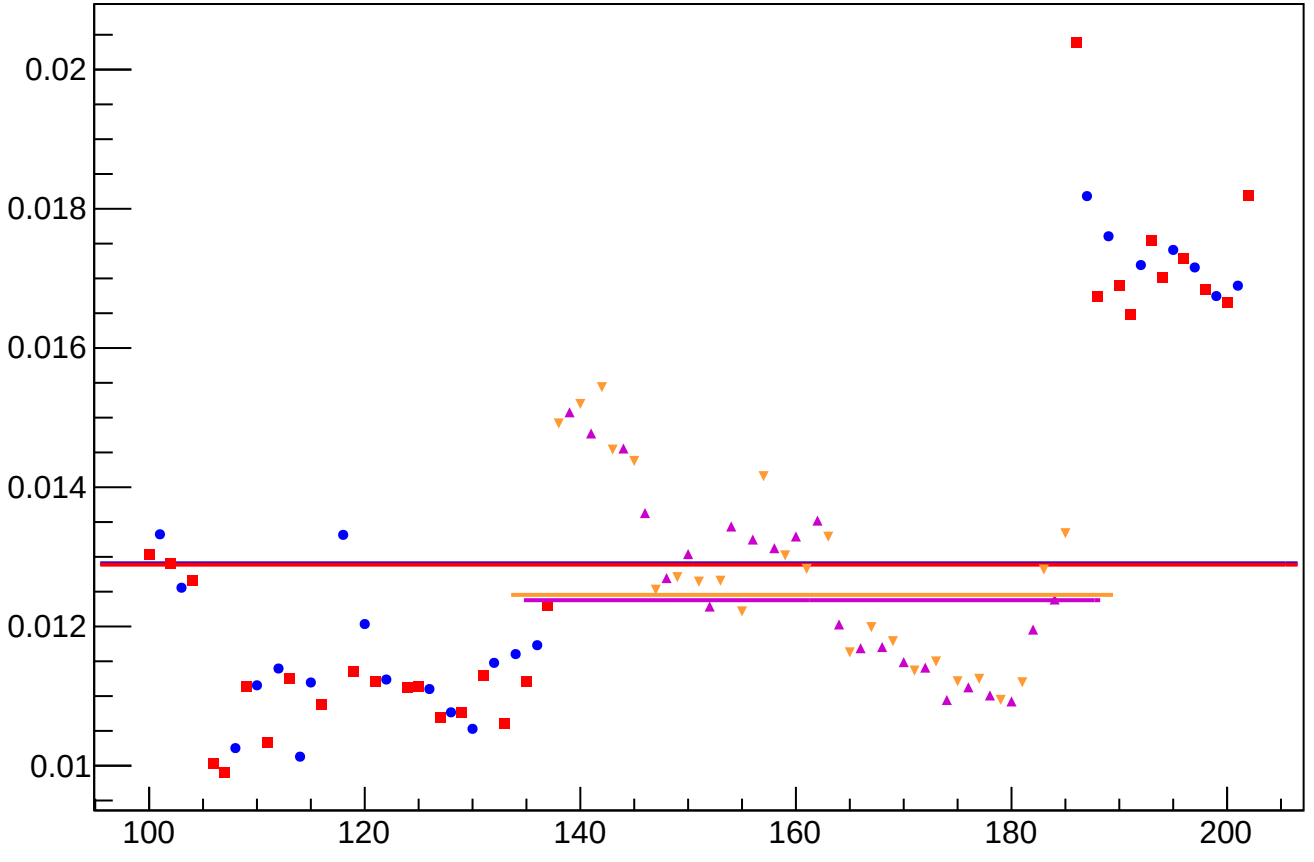
Right: -0.372+/-0.000 χ^2/NDF: 11214647748.3/51

In: -0.286+/-0.000 χ^2/NDF:12416273592.7/45

Out: -0.330+/-0.000 χ^2/NDF:16176078110.3/53

All: -0.309+/-0.000 χ^2/NDF: 28776594608.9/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 906071.7/22

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1331233.0/28

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

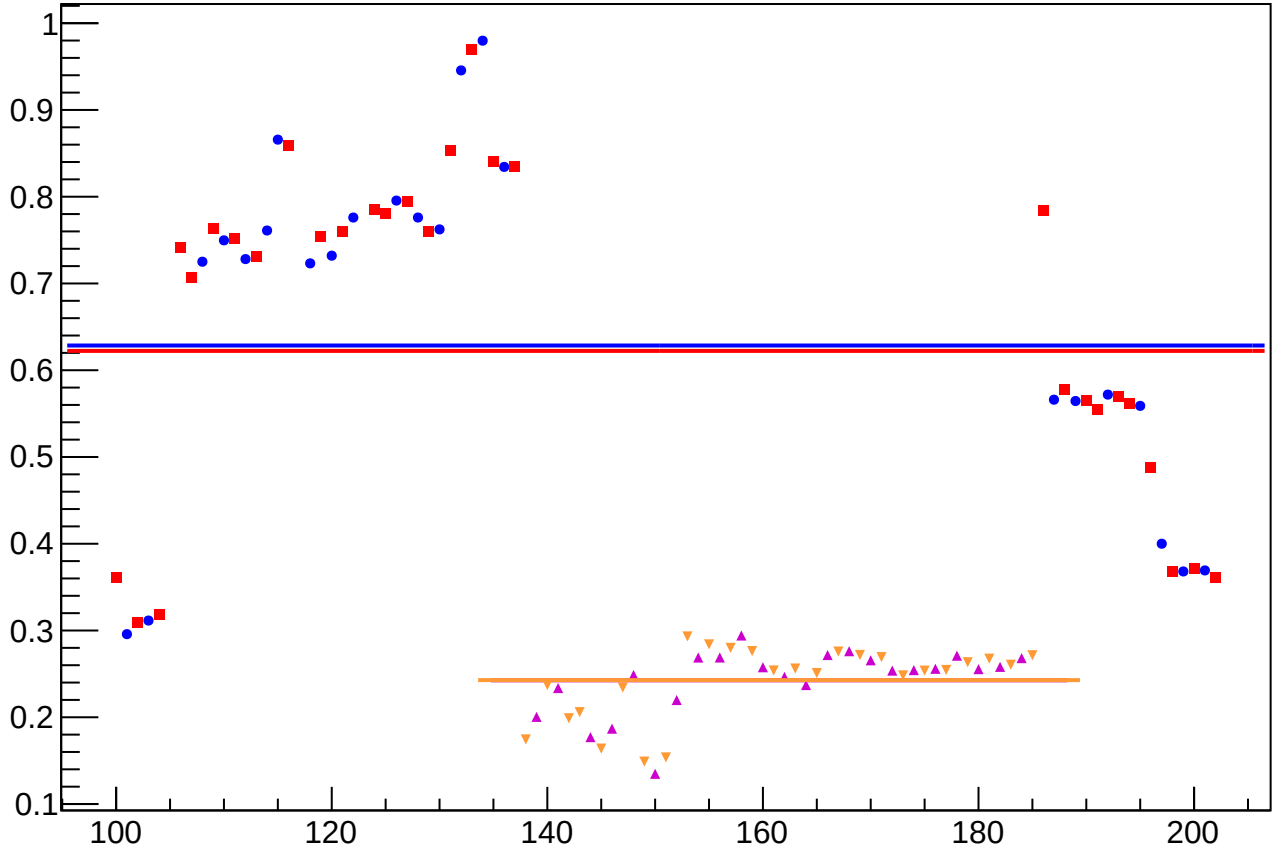
Right: 0.013+/-0.000 χ^2/NDF: 2237329.8/51

In: 0.013+/-0.000 χ^2/NDF:1257032.2/45

Out: 0.013+/-0.000 χ^2/NDF:1690852.4/53

All: 0.013+/-0.000 χ^2/NDF: 2948435.1/99

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.628+/-0.000 χ^2/NDF: 75253051918.0/22

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.622+/-0.000 χ^2/NDF: 75615882200.7/28

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

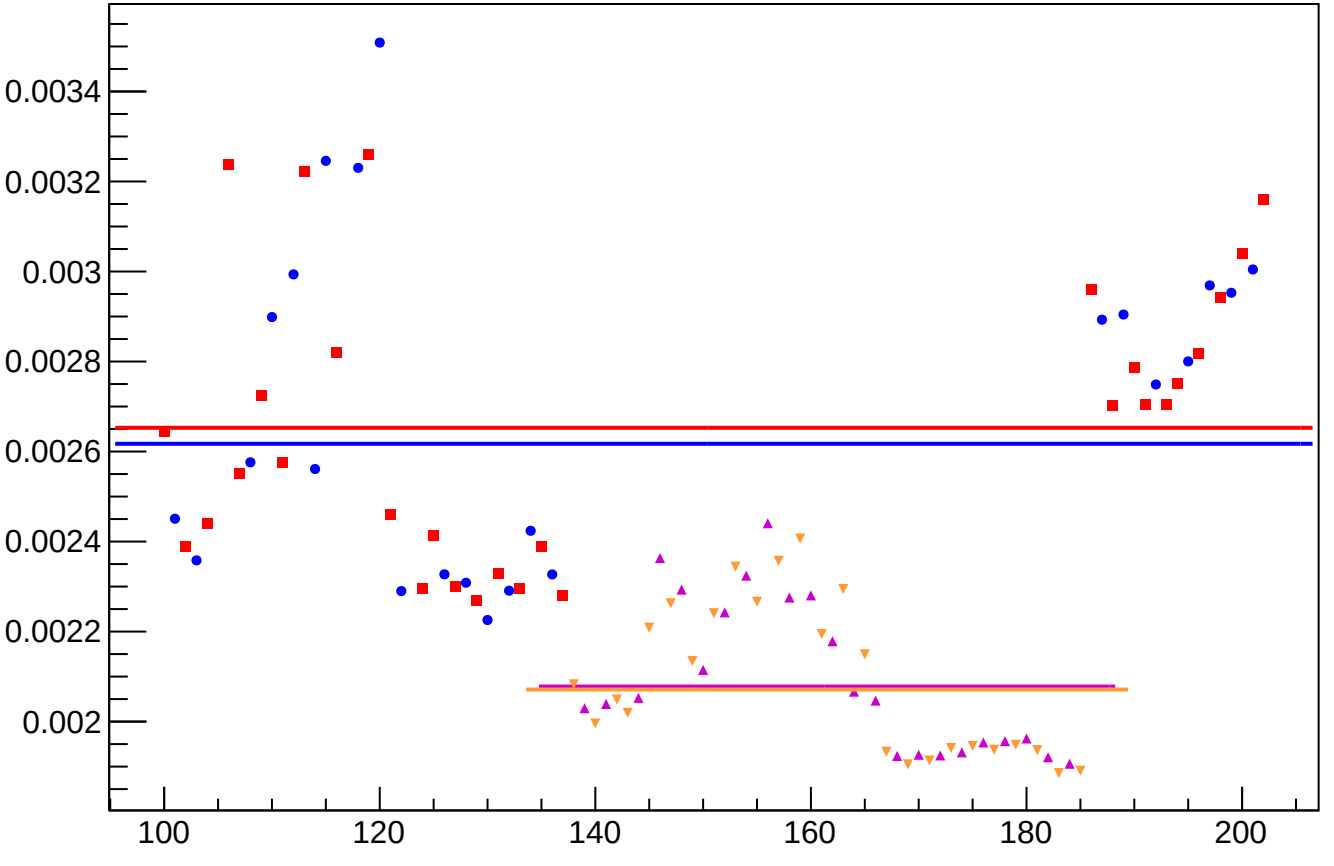
Right: 0.625+/-0.000 χ^2/NDF: 150904335568.8/51

In: 0.355+/-0.000 χ^2/NDF:262125775040.6/45

Out: 0.360+/-0.000 χ^2/NDF:279906827223.7/53

All: 0.357+/-0.000 χ^2/NDF: 542106198146.3

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 351581.8/22

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 337675.6/28

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

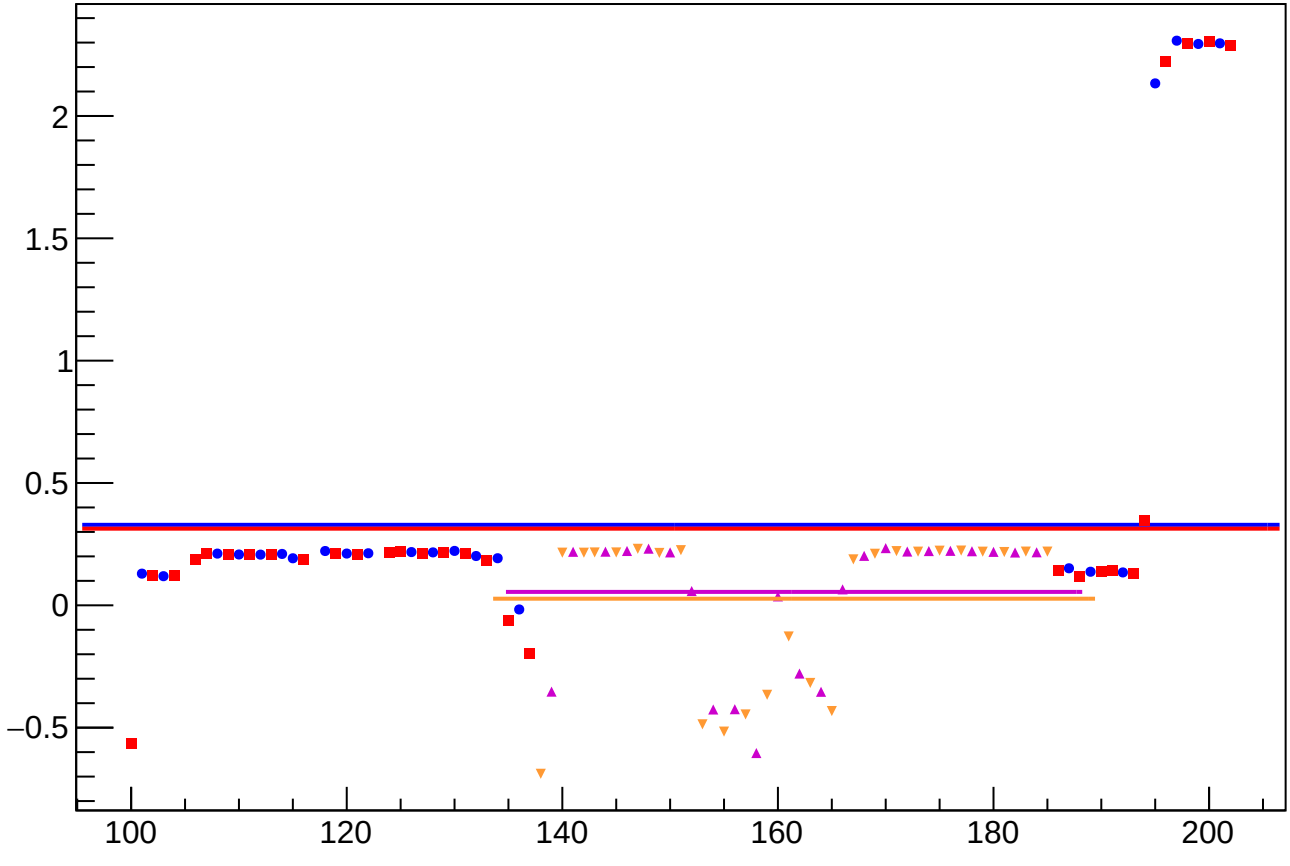
Right: 0.003+/-0.000 χ^2/NDF: 691575.6/51

In: 0.002+/-0.000 χ^2/NDF:1270597.1/45

Out: 0.002+/-0.000 χ^2/NDF:1496821.6/53

All: 0.002+/-0.000 χ^2/NDF: 2768918.4/99

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.329+/-0.000 χ^2/NDF: 26000370100.6/22

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.313+/-0.000 χ^2/NDF: 29417899218.6/28

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

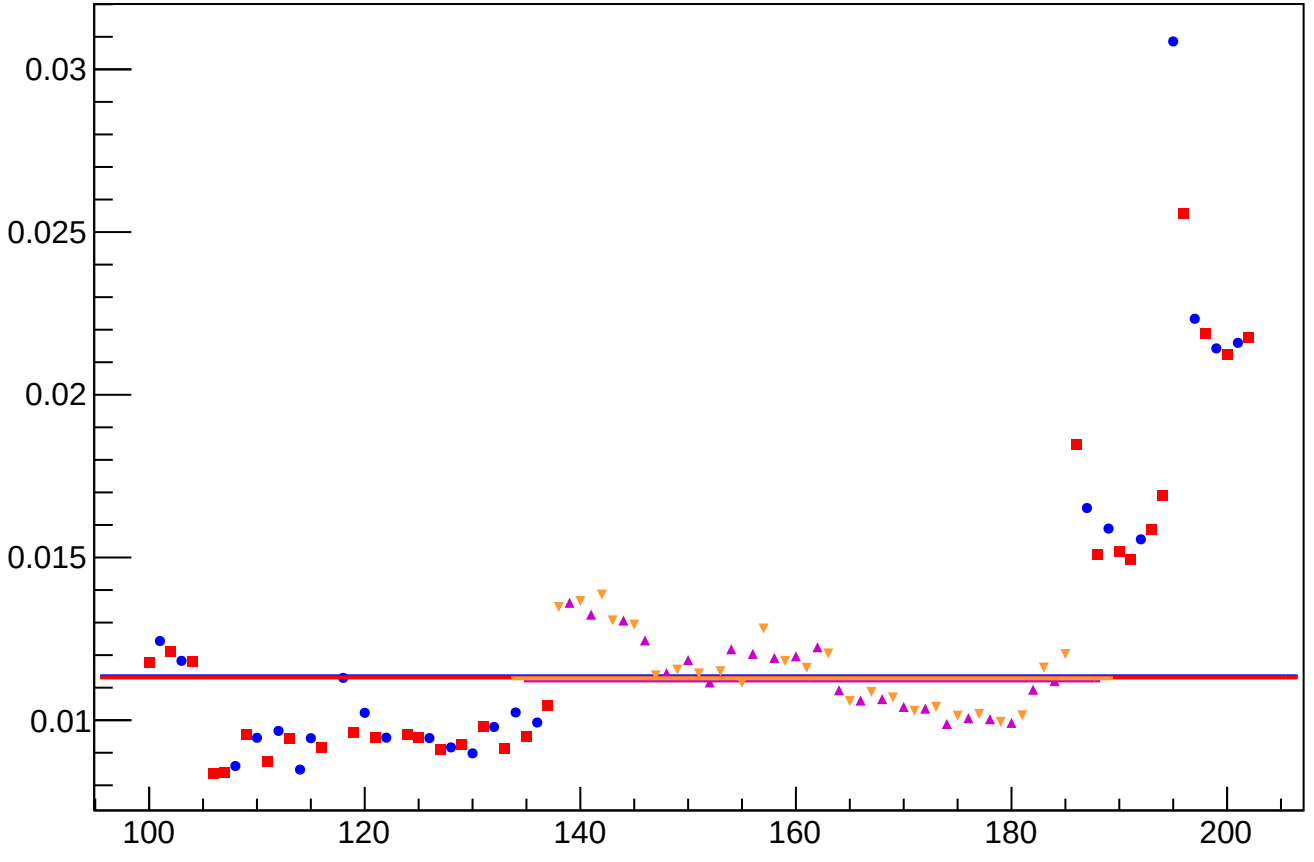
Right: 0.320+/-0.000 χ^2/NDF: 55429451117.4/51

In: 0.158+/-0.000 χ^2/NDF:39598491292.6/45

Out: 0.144+/-0.000 χ^2/NDF:47206329388.7/53

All: 0.151+/-0.000 χ^2/NDF: 86827219148.8/9

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2564787.2/22

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2916654.7/28

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

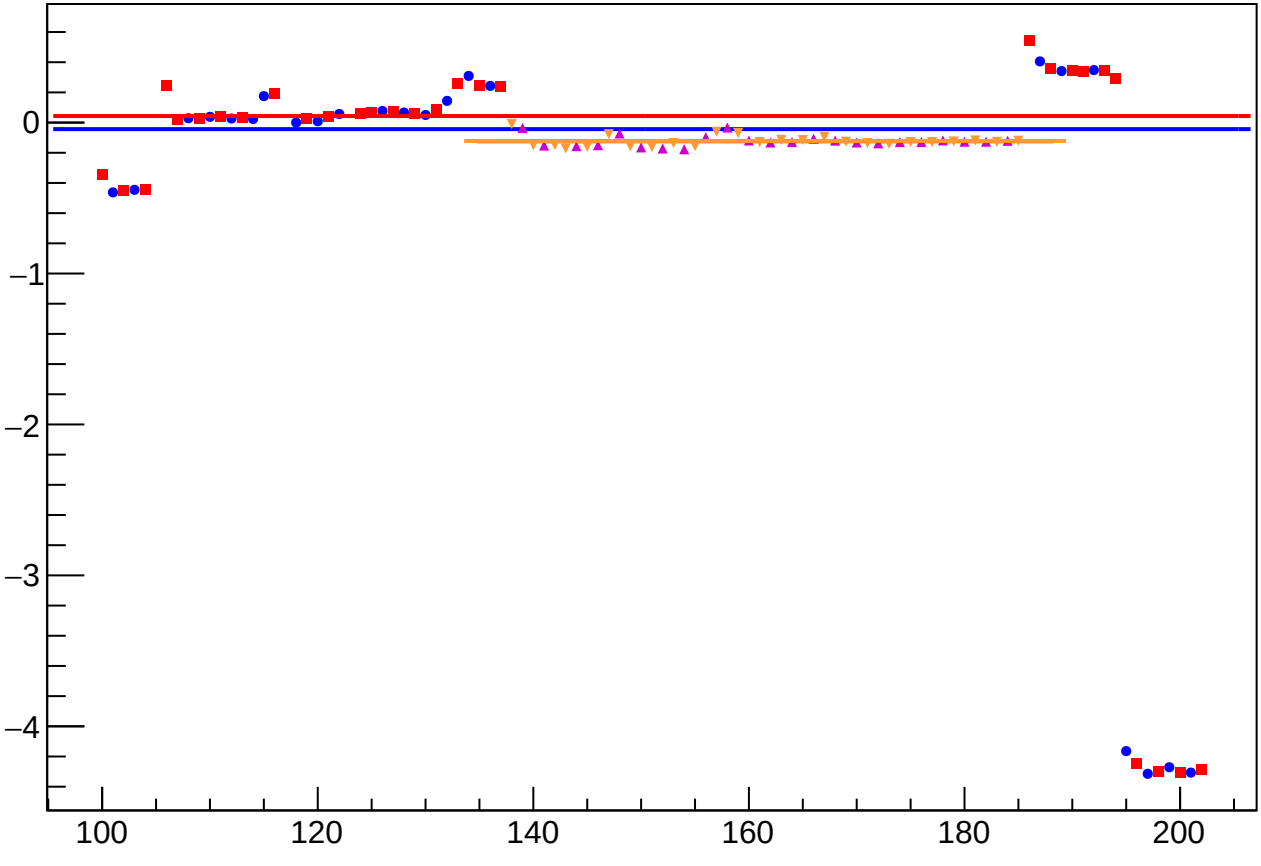
Right: 0.011+/-0.000 χ^2/NDF: 5481539.9/51

In: 0.011+/-0.000 χ^2/NDF:2881663.2/45

Out: 0.011+/-0.000 χ^2/NDF:3244998.4/53

All: 0.011+/-0.000 χ^2/NDF: 6126848.8/99

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.000 χ^2/NDF: 203734752863.7/22

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.043+/-0.000 χ^2/NDF: 234303331855.9/28

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

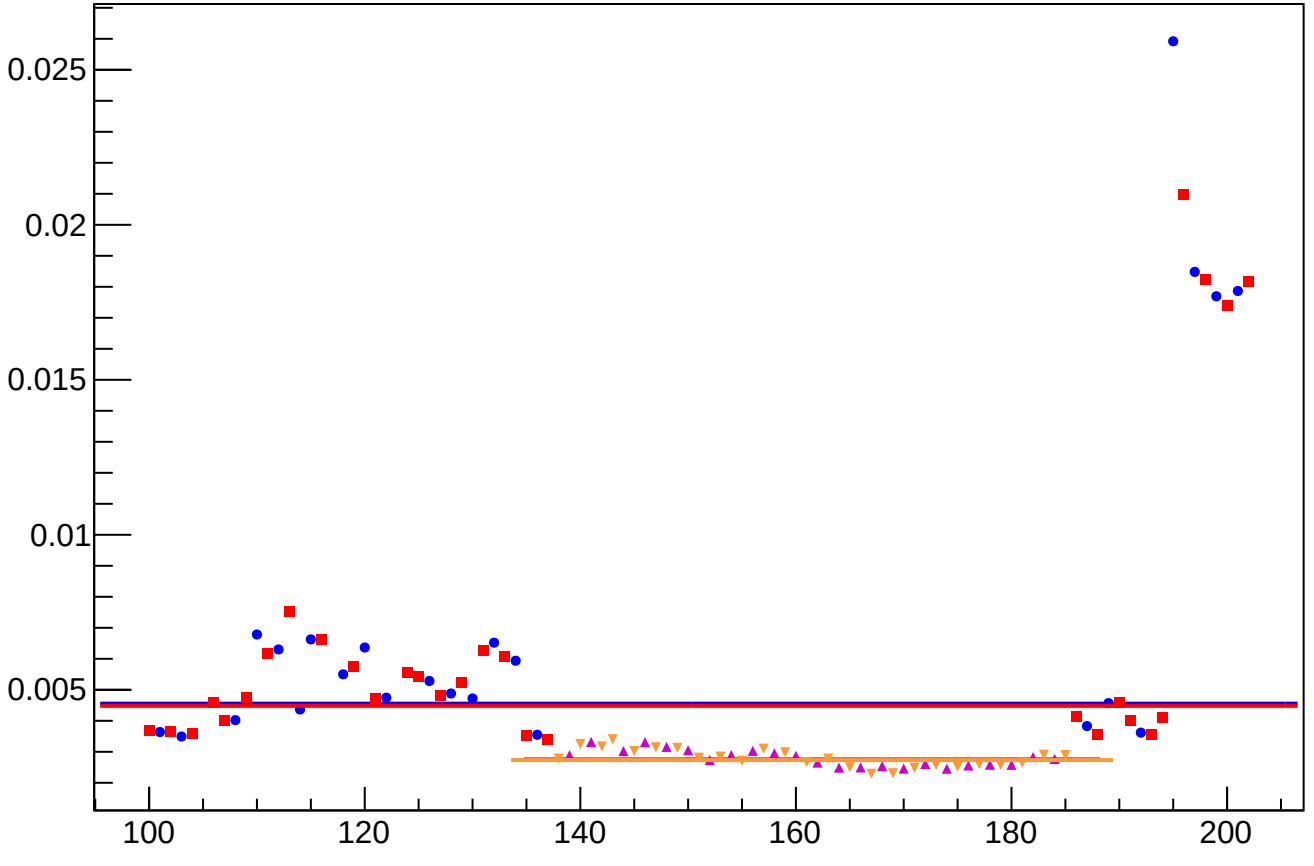
Right: 0.005+/-0.000 χ^2/NDF: 439861600946.0/51

In: -0.111+/-0.000 χ^2/NDF:208904854251.0/45

Out: -0.092+/-0.000 χ^2/NDF:249448776833.4/53

All: -0.101+/-0.000 χ^2/NDF: 458877833852.1

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 4821718.1/22

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 4860459.2/28

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

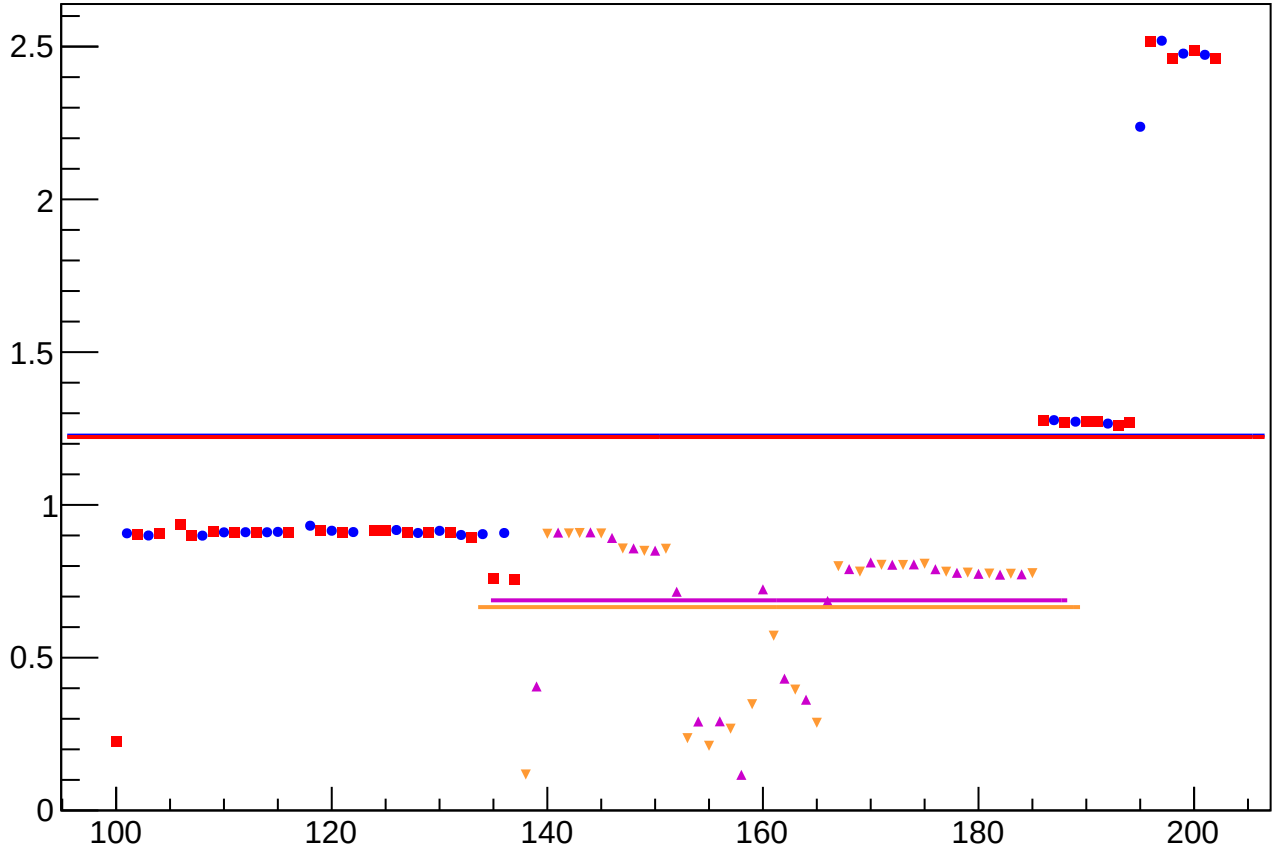
Right: 0.005+/-0.000 χ^2/NDF: 9684599.0/51

In: 0.003+/-0.000 χ^2/NDF:7476755.0/45

Out: 0.003+/-0.000 χ^2/NDF:7996510.0/53

All: 0.003+/-0.000 χ^2/NDF: 15473462.1/99

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.227+/-0.000 χ^2/NDF: 27857094020.9/22

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.222+/-0.000 χ^2/NDF: 32833723605.4/28

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

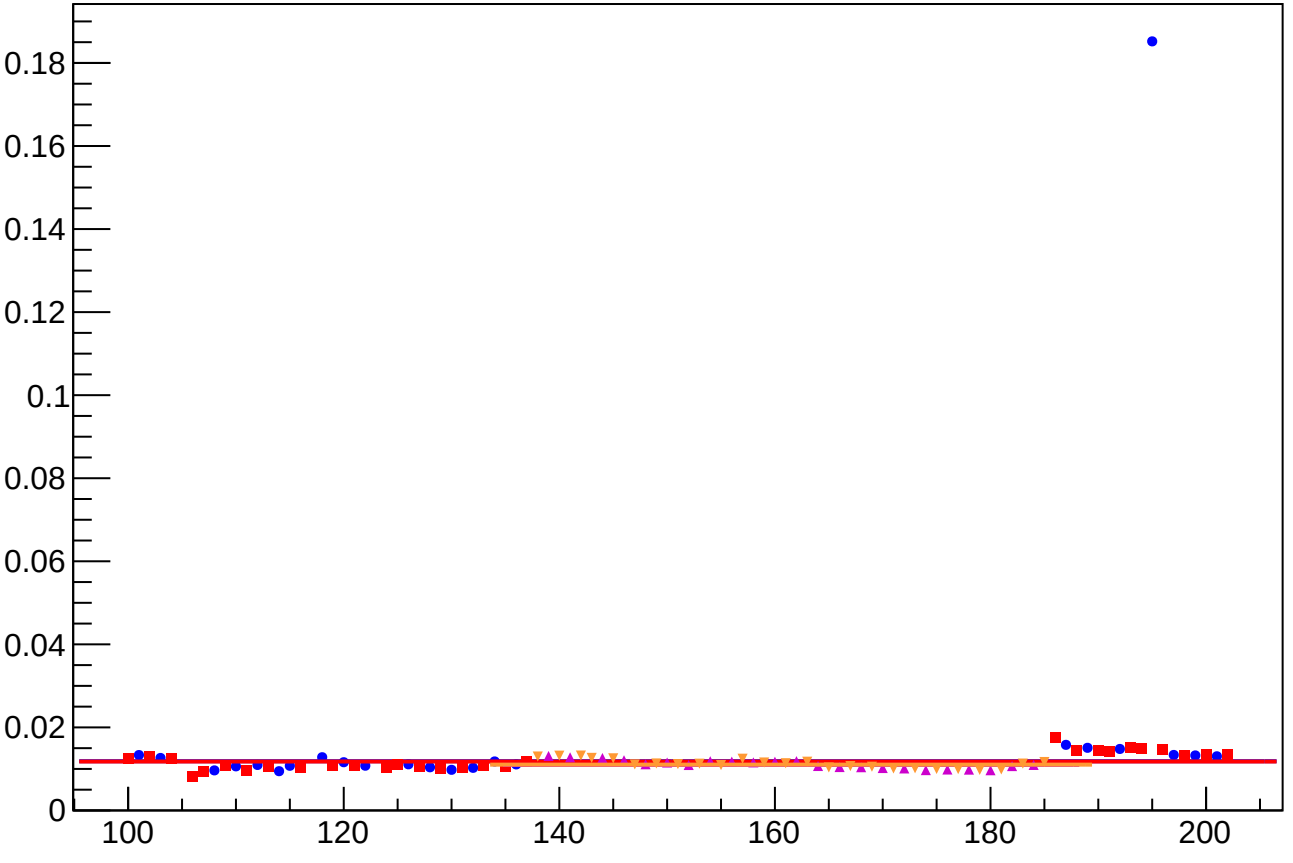
Right: 1.224+/-0.000 χ^2/NDF: 60691734609.0/51

In: 0.876+/-0.000 χ^2/NDF:49557761193.7/45

Out: 0.881+/-0.000 χ^2/NDF:60160787206.9/53

All: 0.878+/-0.000 χ^2/NDF: 109721309165.2

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1940166.8/22

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 741682.1/28

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

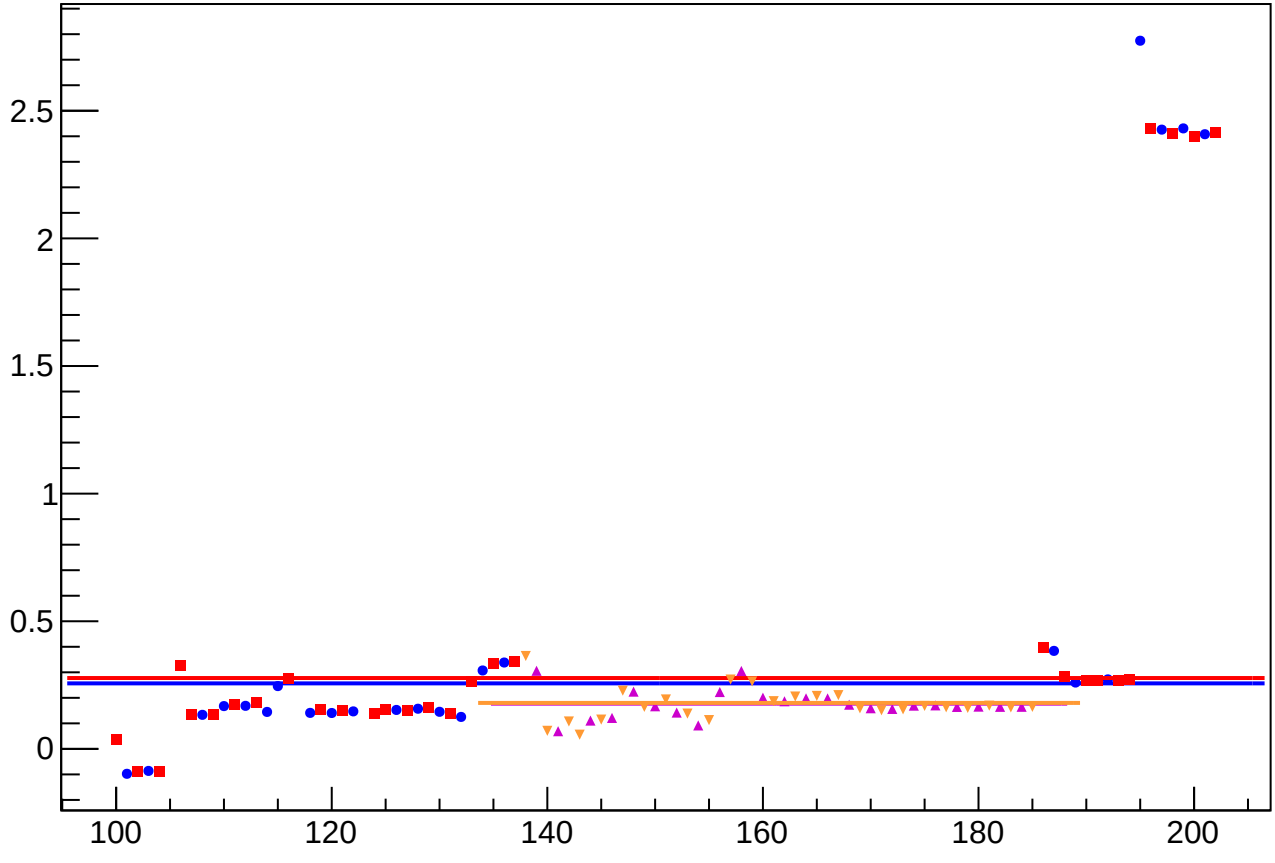
Right: 0.012+/-0.000 χ^2/NDF: 2682254.7/51

In: 0.011+/-0.000 χ^2/NDF:2307946.5/45

Out: 0.011+/-0.000 χ^2/NDF:1108170.5/53

All: 0.011+/-0.000 χ^2/NDF: 3416612.7/99

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.257+/-0.000 χ^2/NDF: 82722472698.4/22

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.278+/-0.000 χ^2/NDF: 90779978197.1/28

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

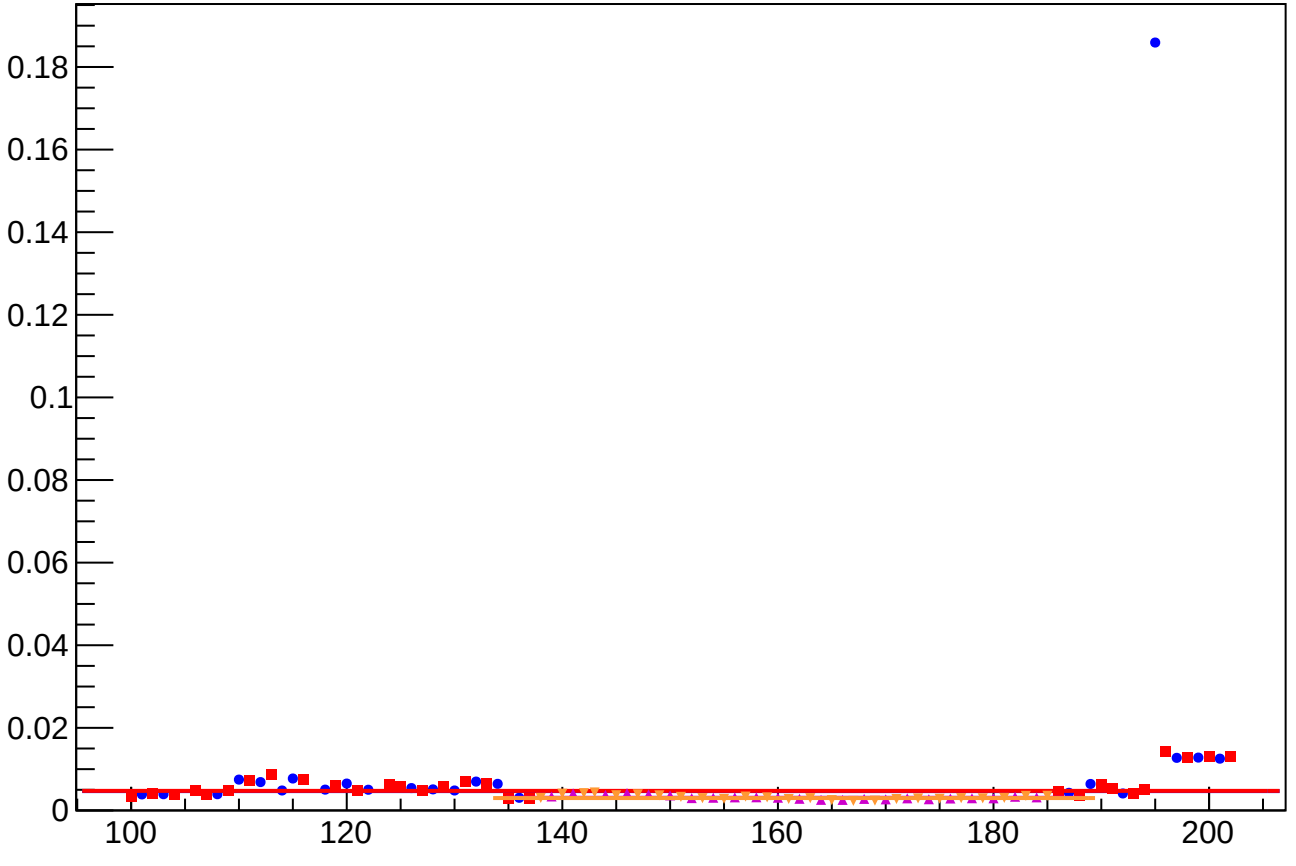
Right: 0.268+/-0.000 χ^2/NDF: 173597101421.6/51

In: 0.192+/-0.000 χ^2/NDF:89390881809.0/45

Out: 0.199+/-0.000 χ^2/NDF:100865416208.3/53

All: 0.196+/-0.000 χ^2/NDF: 190319065169.0

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 4671320.0/22

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 3804748.2/28

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

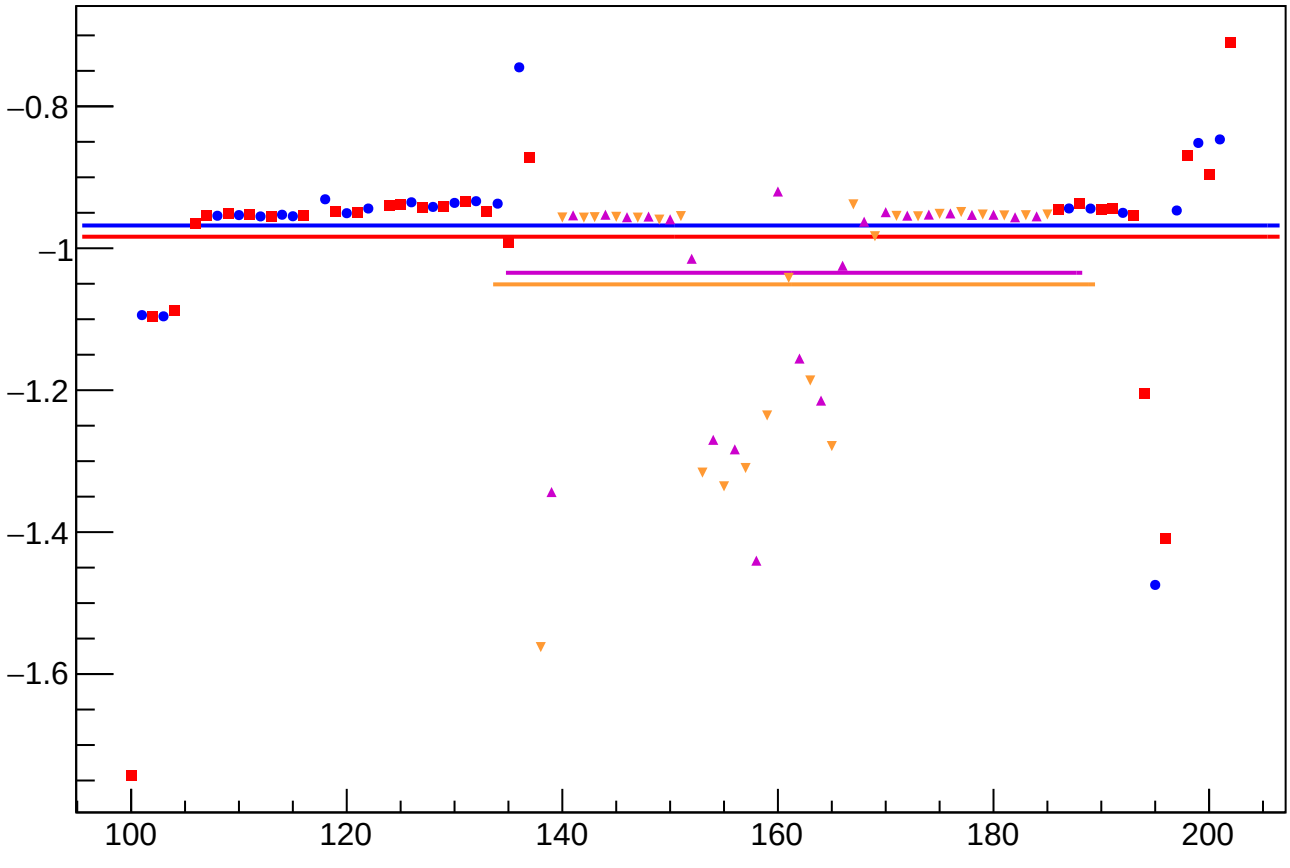
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 8477380.4/51

In: 0.003+/-0.000 χ^2/NDF:6945668.9/45

Out: 0.003+/-0.000 χ^2/NDF:7008104.2/53

All: 0.003+/-0.000 χ^2/NDF: 13955423.0/99



Right In: -0.968+/-0.000 χ^2/NDF: 1887987704.6/22

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.984+/-0.000 χ^2/NDF: 2104284864.5/28

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

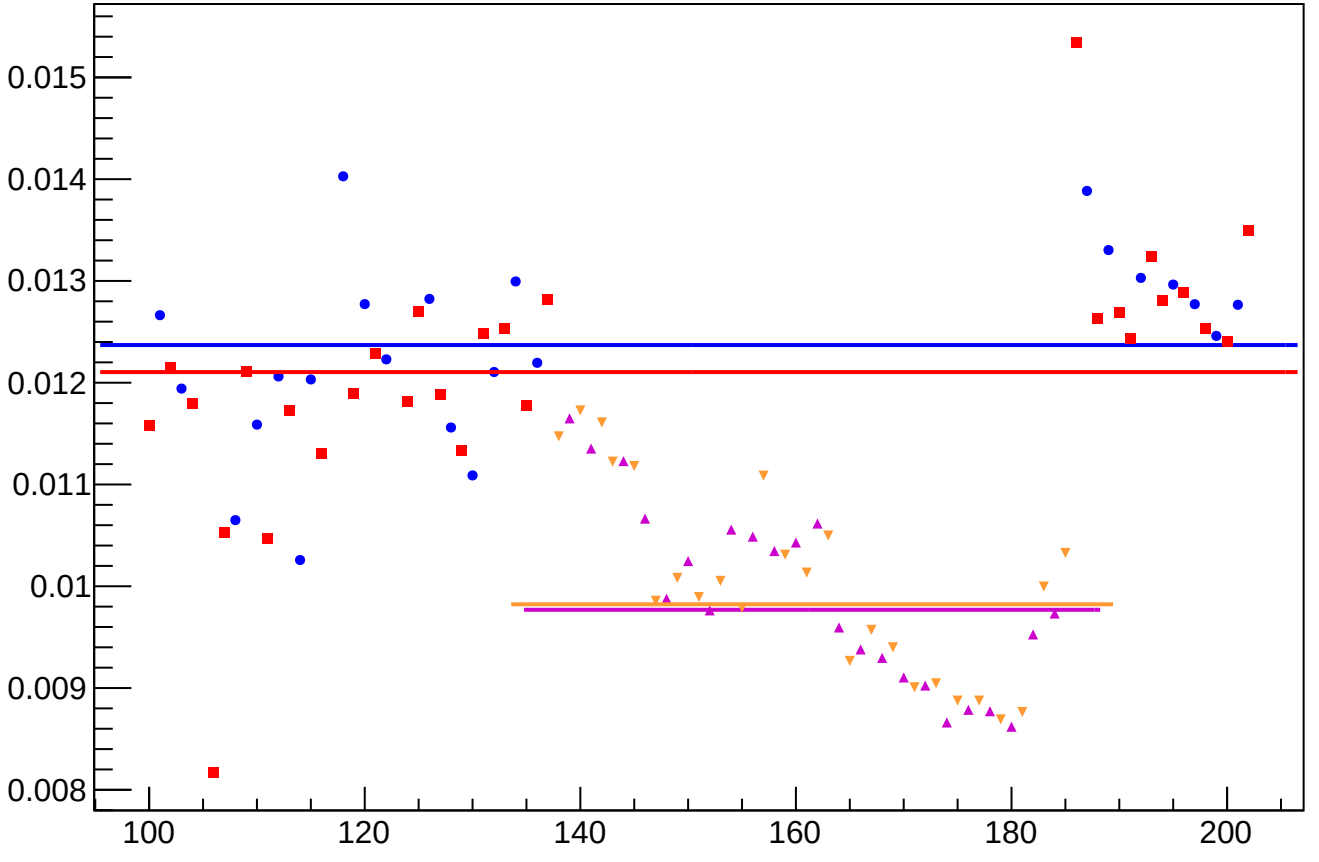
Right: -0.977+/-0.000 χ^2/NDF: 4002994748.8/51

In: -1.015+/-0.000 χ^2/NDF:6056002193.5/45

Out: -1.028+/-0.000 χ^2/NDF:7474786439.7/53

All: -1.022+/-0.000 χ^2/NDF: 13556482363.7/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 93255.1/22

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 273831.3/28

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

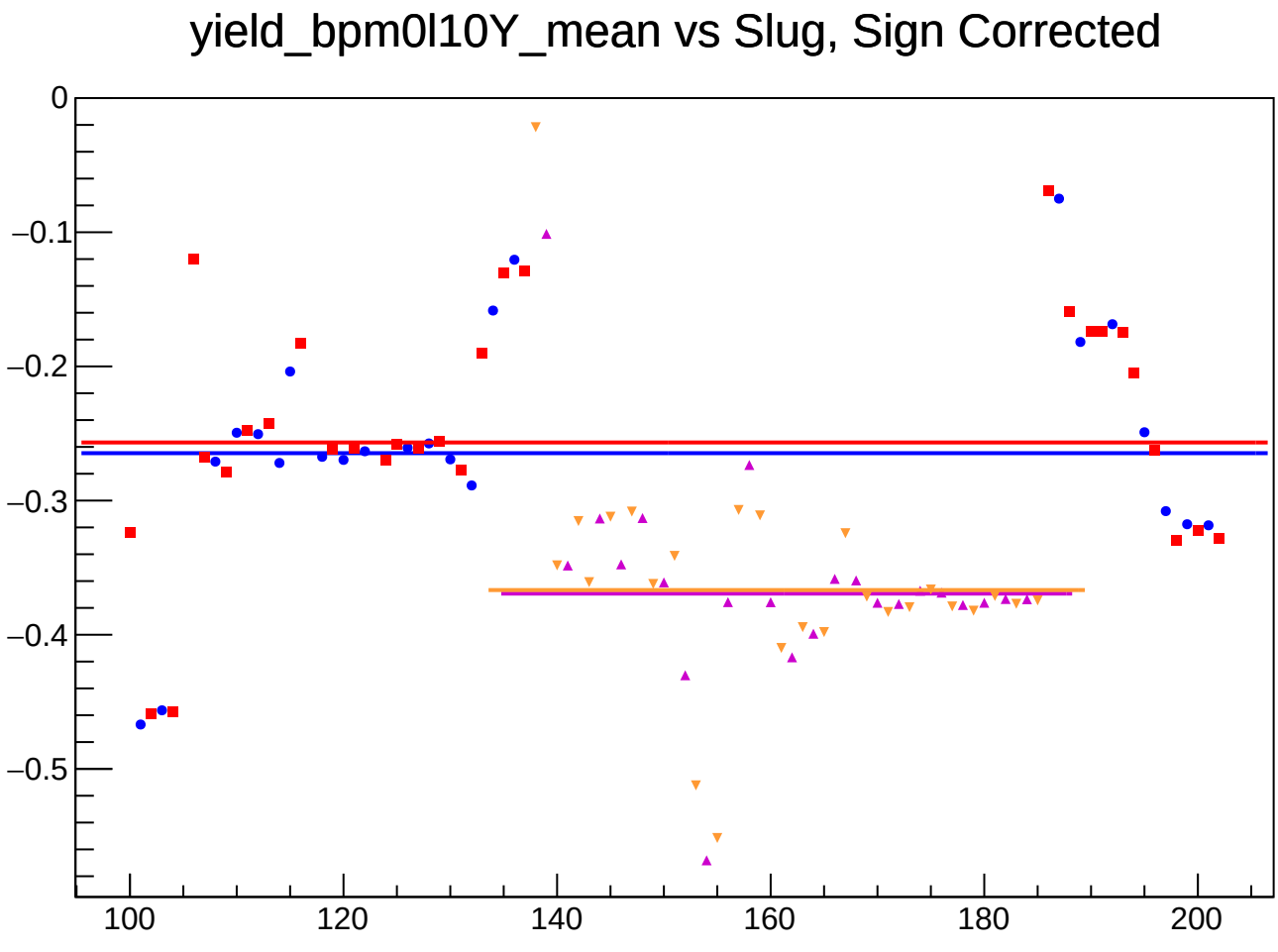
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 373142.8/51

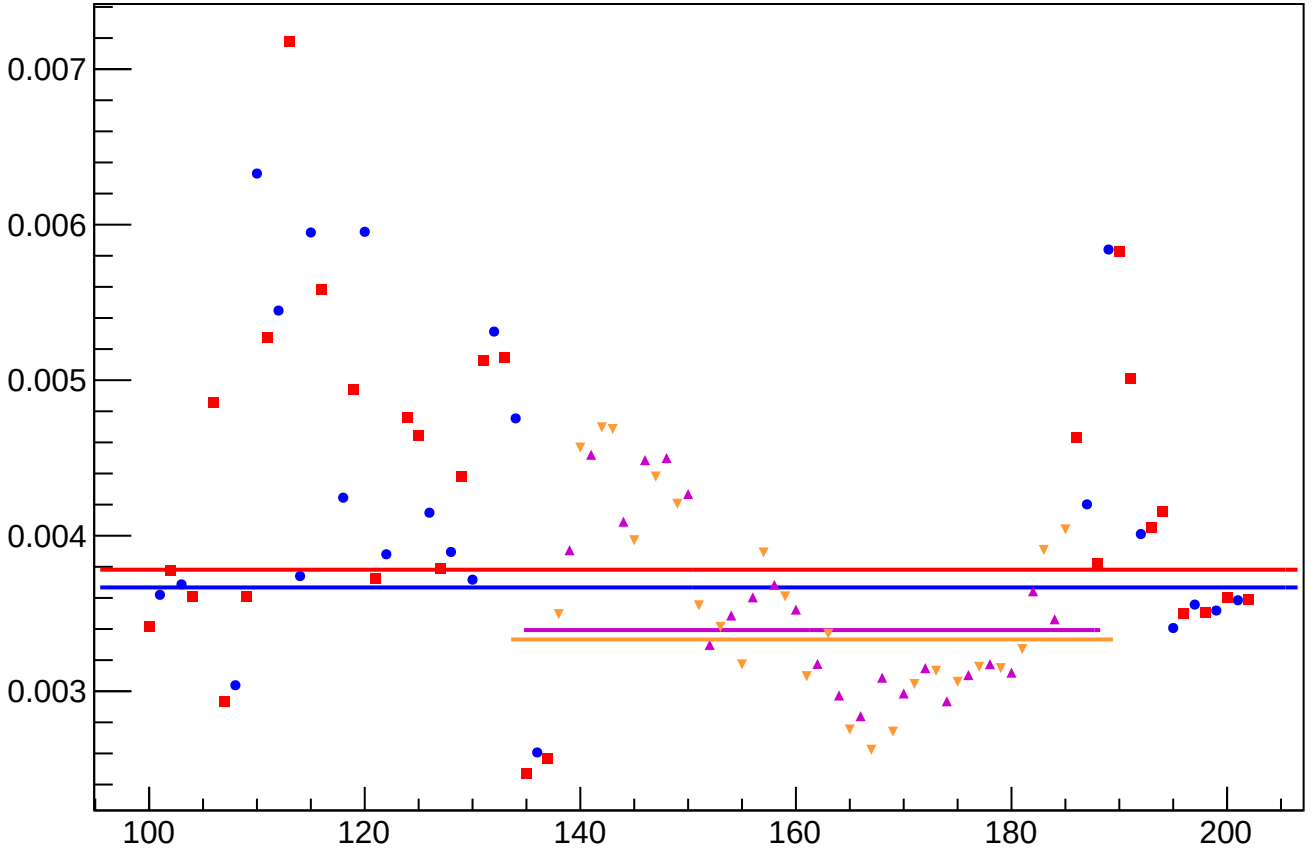
In: 0.011+/-0.000 χ^2/NDF:1113217.4/45

Out: 0.011+/-0.000 χ^2/NDF:1233410.6/53

All: 0.011+/-0.000 χ^2/NDF: 2347140.0/99


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
120
140
160
180
200
Right In: -0.265+/-0.000 χ²/NDF: 7550915632.9/22
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.257+/-0.000 χ²/NDF: 8012332923.7/28
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.260+/-0.000 χ²/NDF: 15589828517.2/51
In: -0.332+/-0.000 χ²/NDF:20709685581.6/45
Out: -0.327+/-0.000 χ²/NDF:26843001004.6/53
All: -0.330+/-0.000 χ²/NDF: 47585097284.8/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 902053.4/22

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1078088.5/28

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

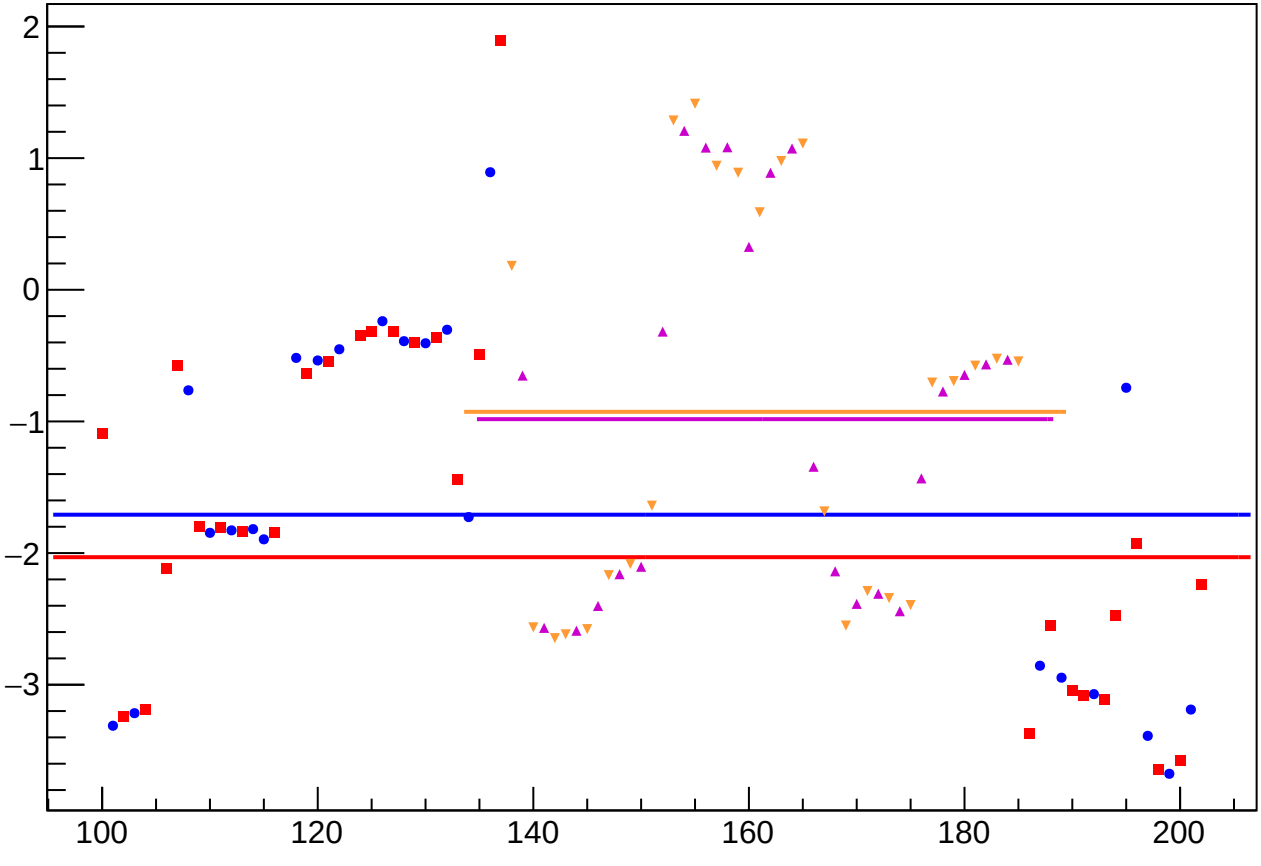
Right: 0.004+/-0.000 χ^2/NDF: 1991010.8/51

In: 0.003+/-0.000 χ^2/NDF:1612149.8/45

Out: 0.003+/-0.000 χ^2/NDF:2164881.3/53

All: 0.003+/-0.000 χ^2/NDF: 3777072.3/99

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.708+/-0.000 χ^2/NDF: 4735129980.9/22

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -2.031+/-0.000 χ^2/NDF: 3733550474.5/28

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

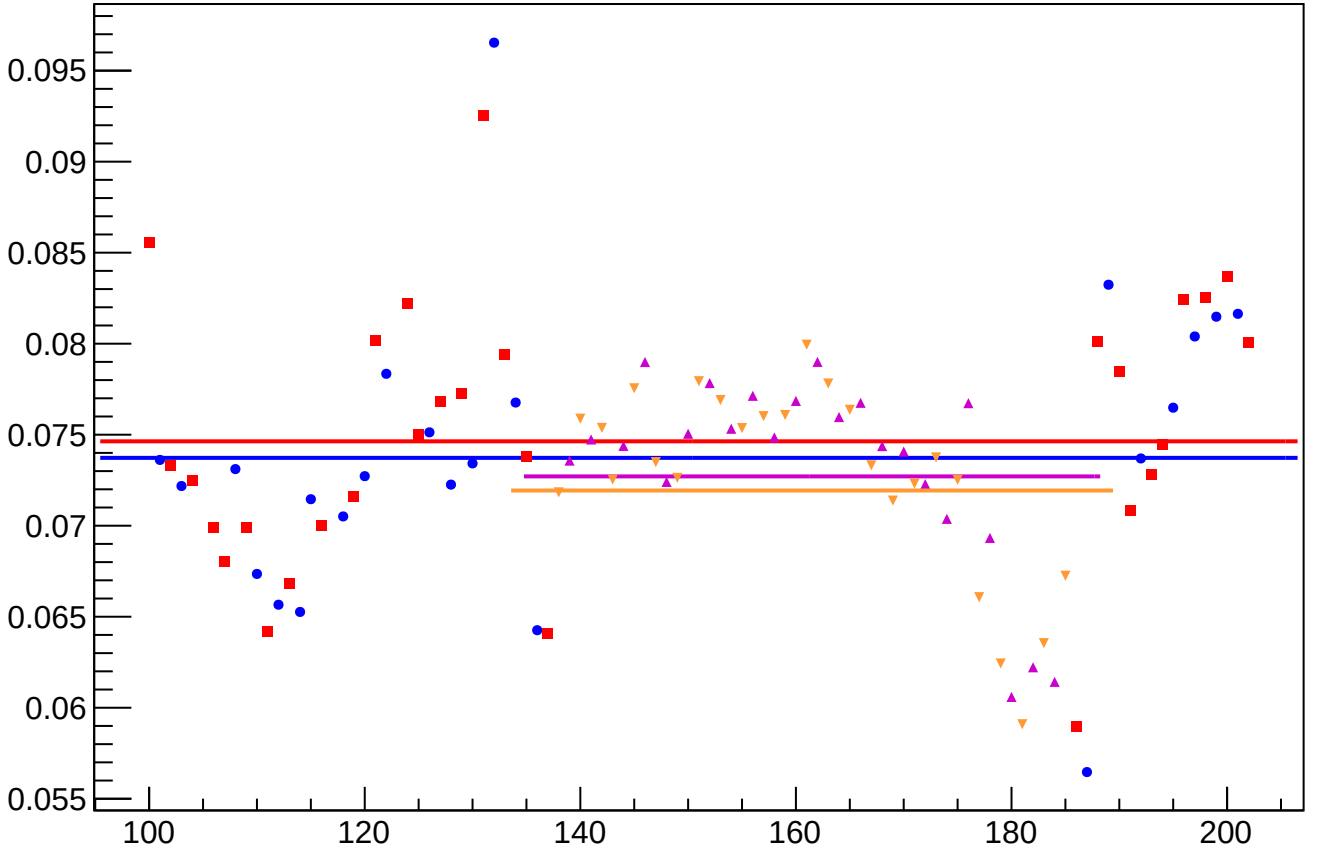
Right: -1.882+/-0.000 χ^2/NDF: 8591920201.6/51

In: -1.269+/-0.000 χ^2/NDF:11357268360.2/45

Out: -1.381+/-0.000 χ^2/NDF:12818394884.9/53

All: -1.328+/-0.000 χ^2/NDF: 24212522678.7/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.074+/-0.000 χ^2/NDF: 204660.7/22

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.075+/-0.000 χ^2/NDF: 234624.8/28

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

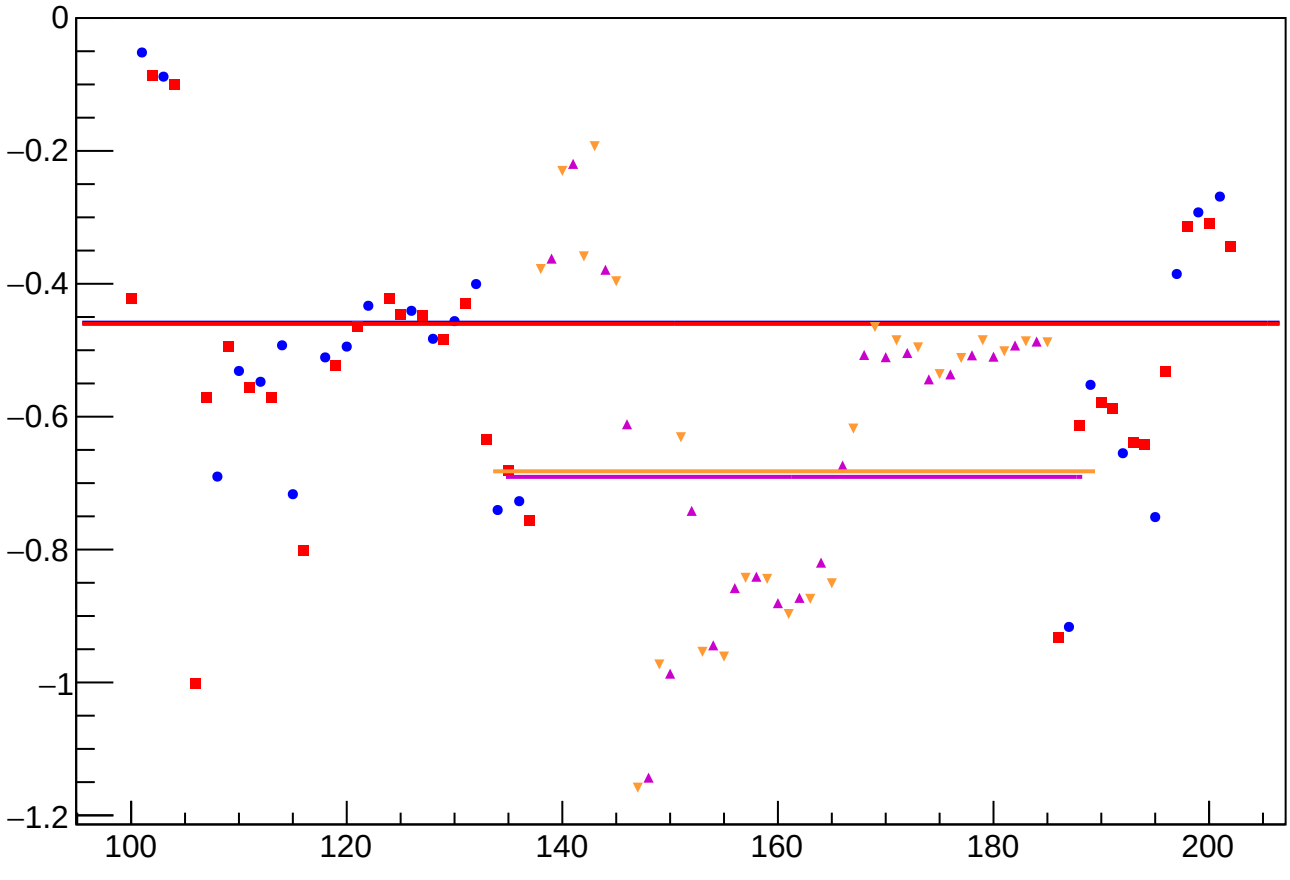
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.074+/-0.000 χ^2/NDF: 441238.7/51

In: 0.073+/-0.000 χ^2/NDF:404438.5/45

Out: 0.073+/-0.000 χ^2/NDF:492141.2/53

All: 0.073+/-0.000 χ^2/NDF: 896605.5/99



Right In: -0.458+/-0.000 χ^2/NDF: 7355721091.8/22

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.460+/-0.000 χ^2/NDF: 6319559717.0/28

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

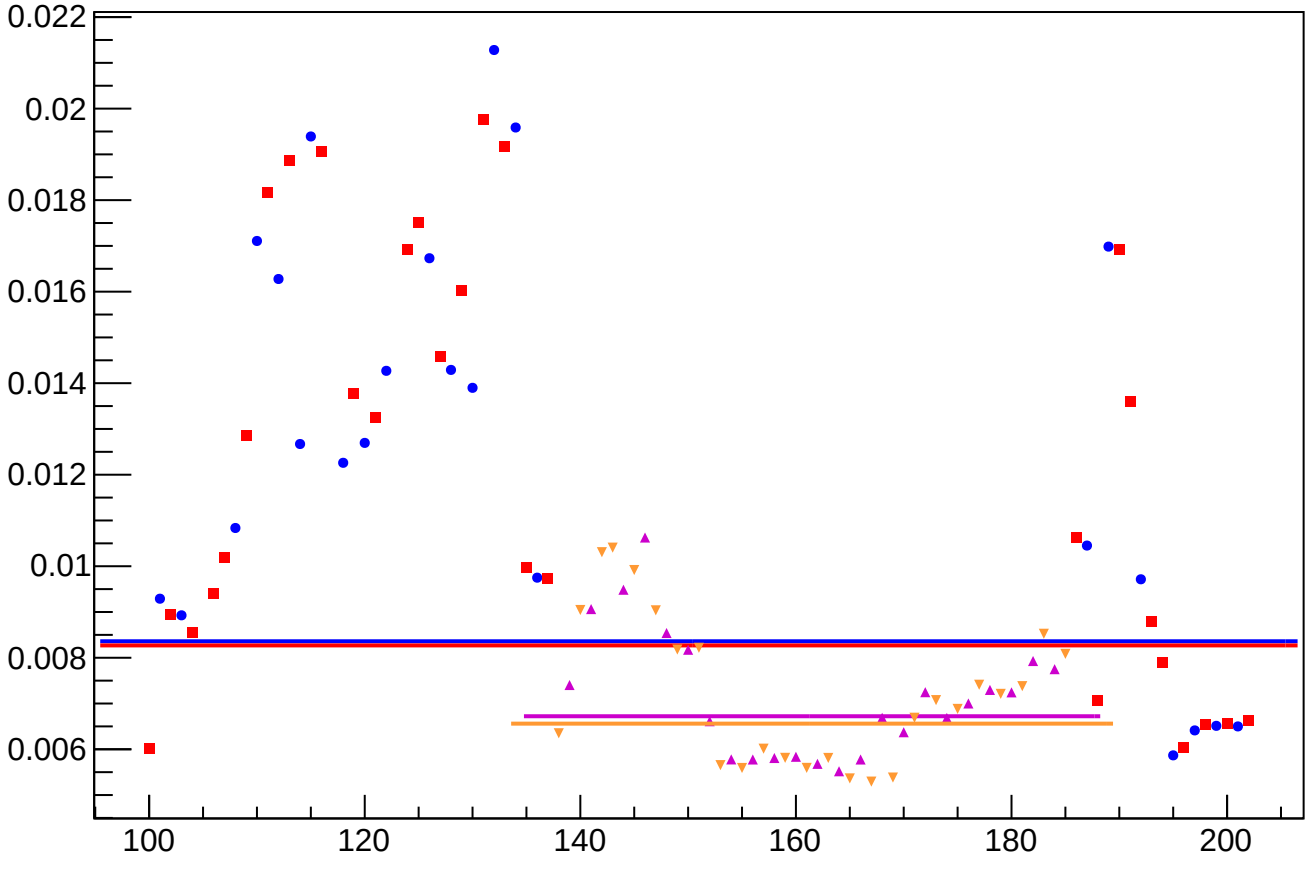
Right: -0.459+/-0.000 χ^2/NDF: 13675548306.7/51

In: -0.626+/-0.000 χ^2/NDF:29750611285.3/45

Out: -0.617+/-0.000 χ^2/NDF:34066284243.4/53

All: -0.621+/-0.000 χ^2/NDF: 63840495711.9/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2754045.8/22

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3002207.2/28

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

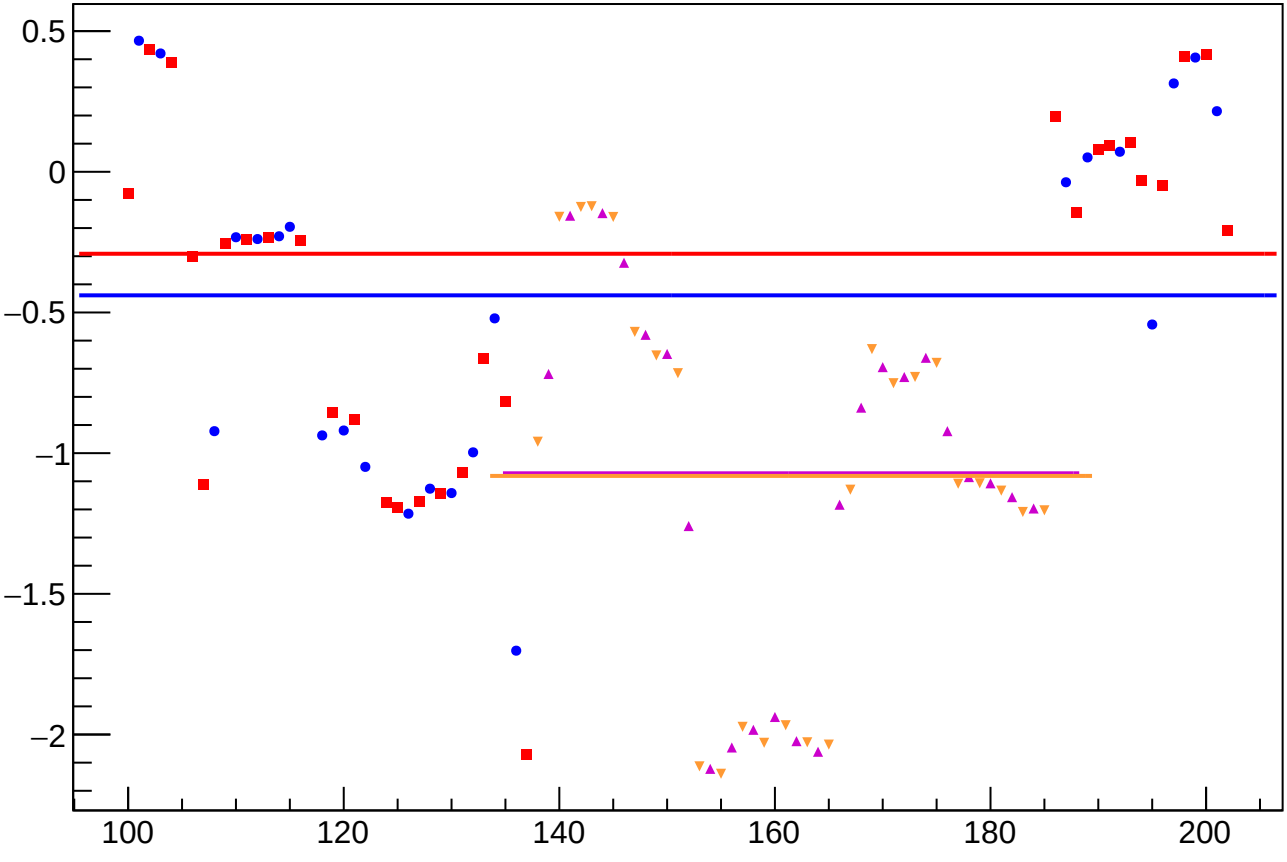
Right: 0.008+/-0.000 χ^2/NDF: 5757527.3/51

In: 0.007+/-0.000 χ^2/NDF:4265543.7/45

Out: 0.007+/-0.000 χ^2/NDF:5109543.4/53

All: 0.007+/-0.000 χ^2/NDF: 9381981.0/99

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.439+/-0.000 χ^2/NDF: 693989775.0/22

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.291+/-0.000 χ^2/NDF: 560542329.1/28

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

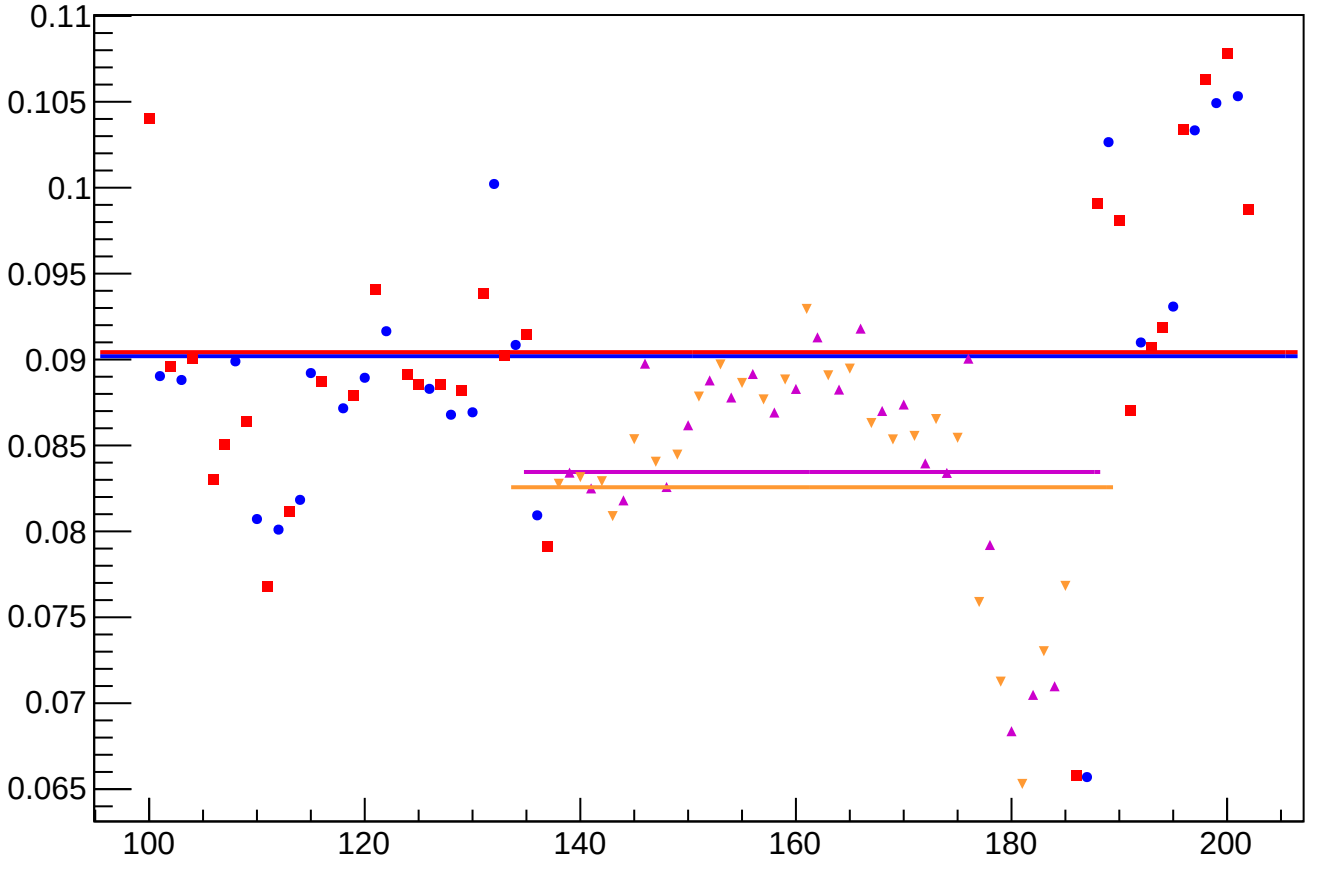
Right: -0.359+/-0.000 χ^2/NDF: 1272161964.7/51

In: -0.841+/-0.000 χ^2/NDF:2048844273.2/45

Out: -0.777+/-0.000 χ^2/NDF:2386377551.8/53

All: -0.807+/-0.000 χ^2/NDF: 4444088400.1/9

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.090+/-0.000 χ^2/NDF: 229120.8/22

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.090+/-0.000 χ^2/NDF: 322885.9/28

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

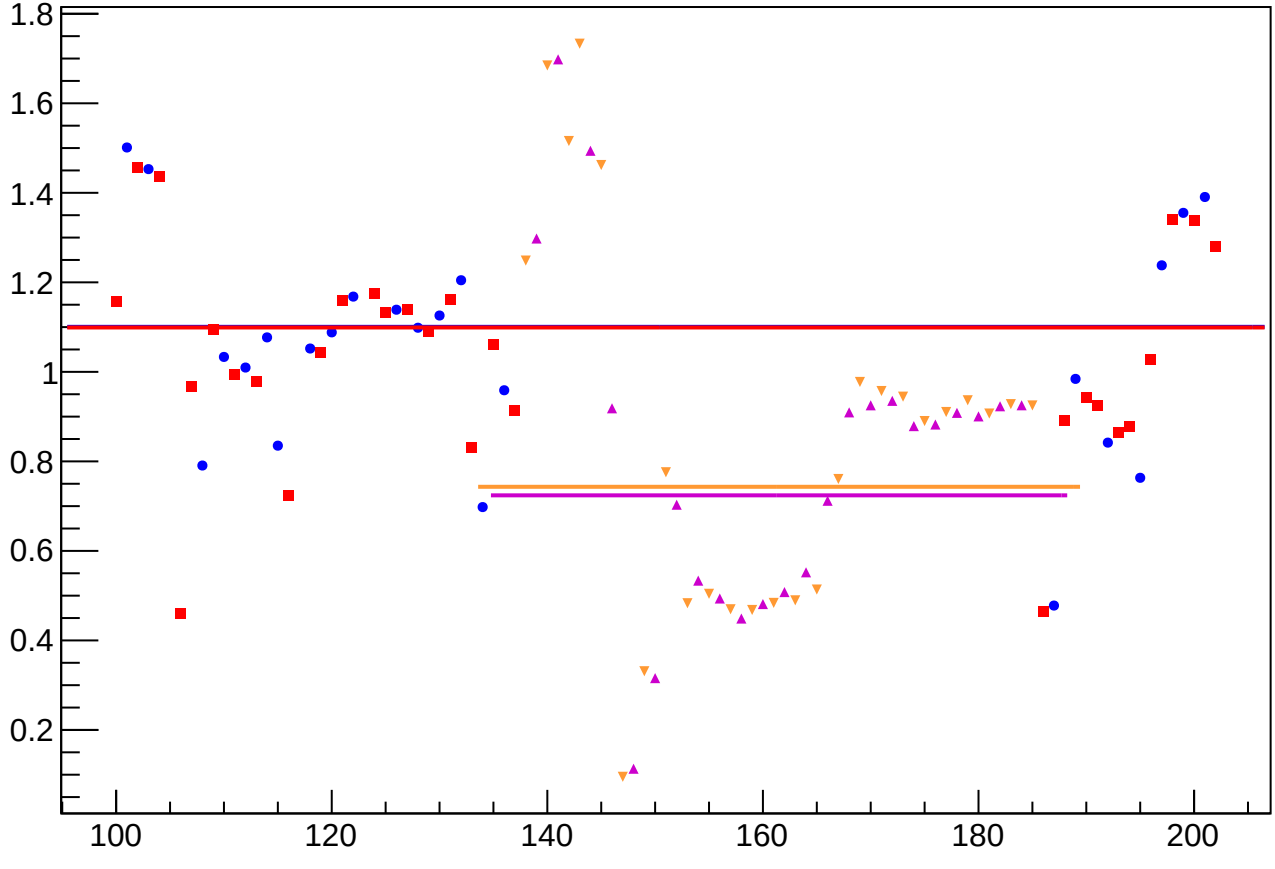
Right: 0.090+/-0.000 χ^2/NDF: 552096.4/51

In: 0.086+/-0.000 χ^2/NDF:553622.9/45

Out: 0.086+/-0.000 χ^2/NDF:747568.6/53

All: 0.086+/-0.000 χ^2/NDF: 1301625.5/99

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.101+/-0.000 χ^2/NDF: 4892412154.6/22

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.099+/-0.000 χ^2/NDF: 4541581867.6/28

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

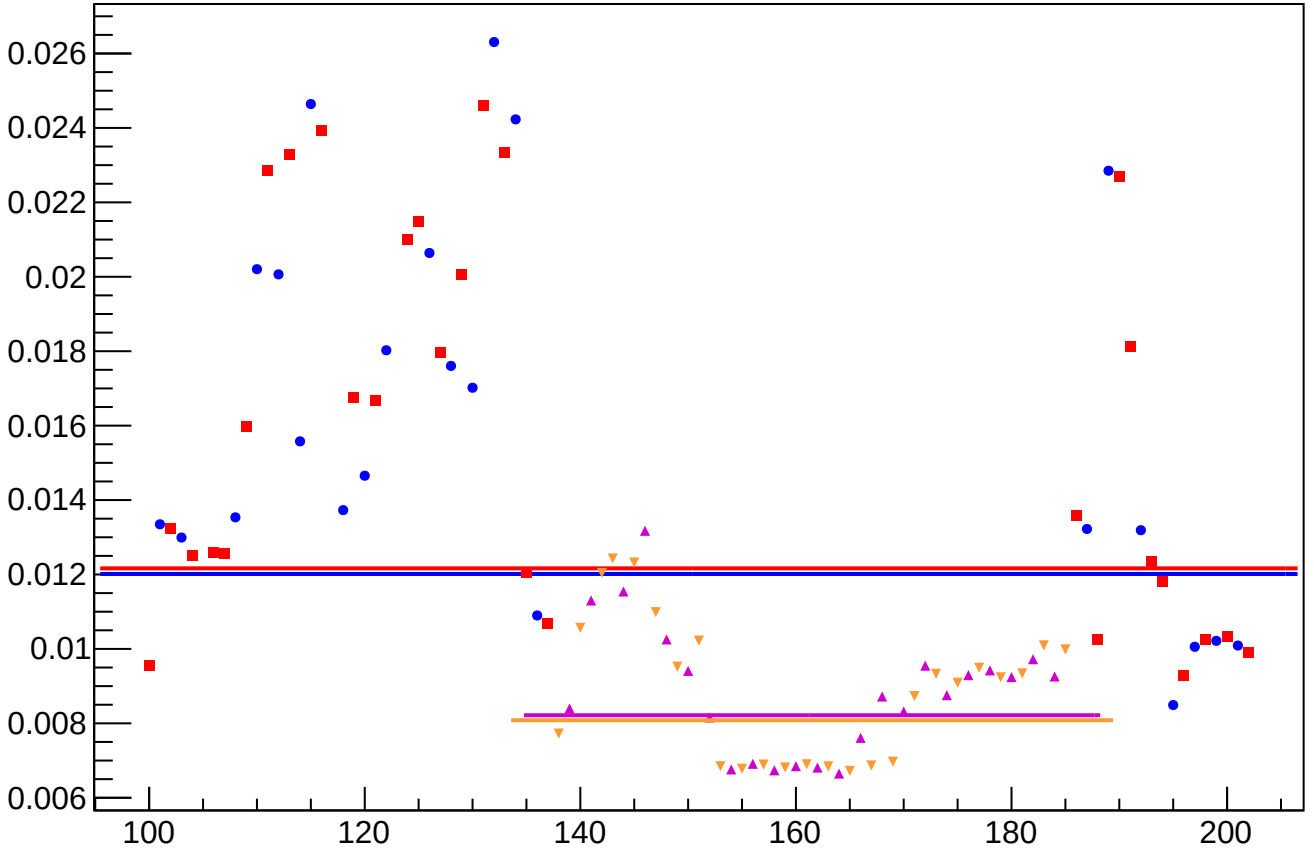
Right: 1.100+/-0.000 χ^2/NDF: 9434073249.0/51

In: 0.809+/-0.000 χ^2/NDF:38447947740.6/45

Out: 0.826+/-0.000 χ^2/NDF:45144140897.1/53

All: 0.818+/-0.000 χ^2/NDF: 83642926917.4/9

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1777380.0/22

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 1957203.1/28

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

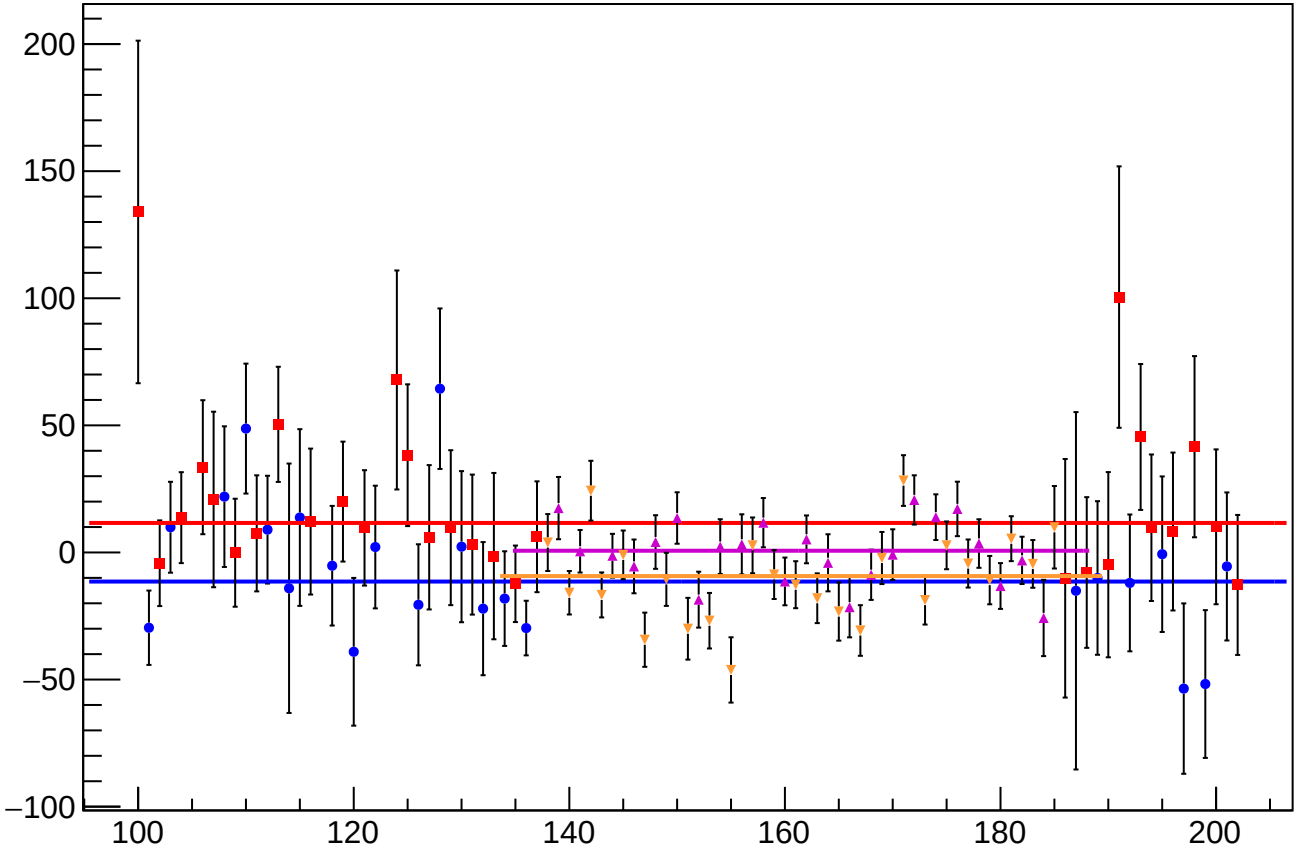
Right: 0.012+/-0.000 χ^2/NDF: 3736350.3/51

In: 0.009+/-0.000 χ^2/NDF:4511332.0/45

Out: 0.009+/-0.000 χ^2/NDF:5472480.5/53

All: 0.009+/-0.000 χ^2/NDF: 9984252.0/99

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -11.447+/-4.838 χ^2/NDF: 25.7/22

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 11.609+/-4.853 χ^2/NDF: 20.6/28

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

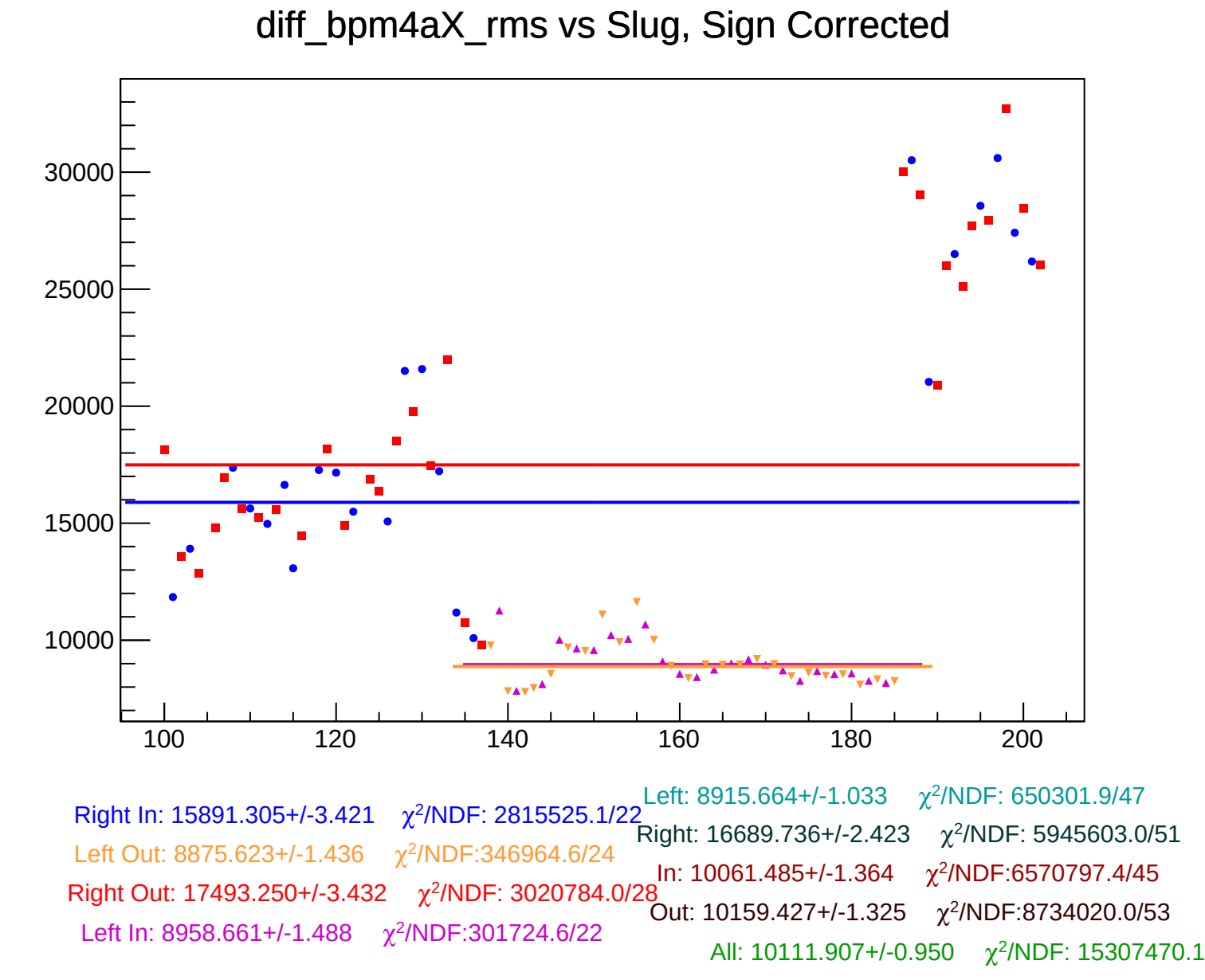
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: 0.045+/-3.426 χ^2/NDF: 57.7/51

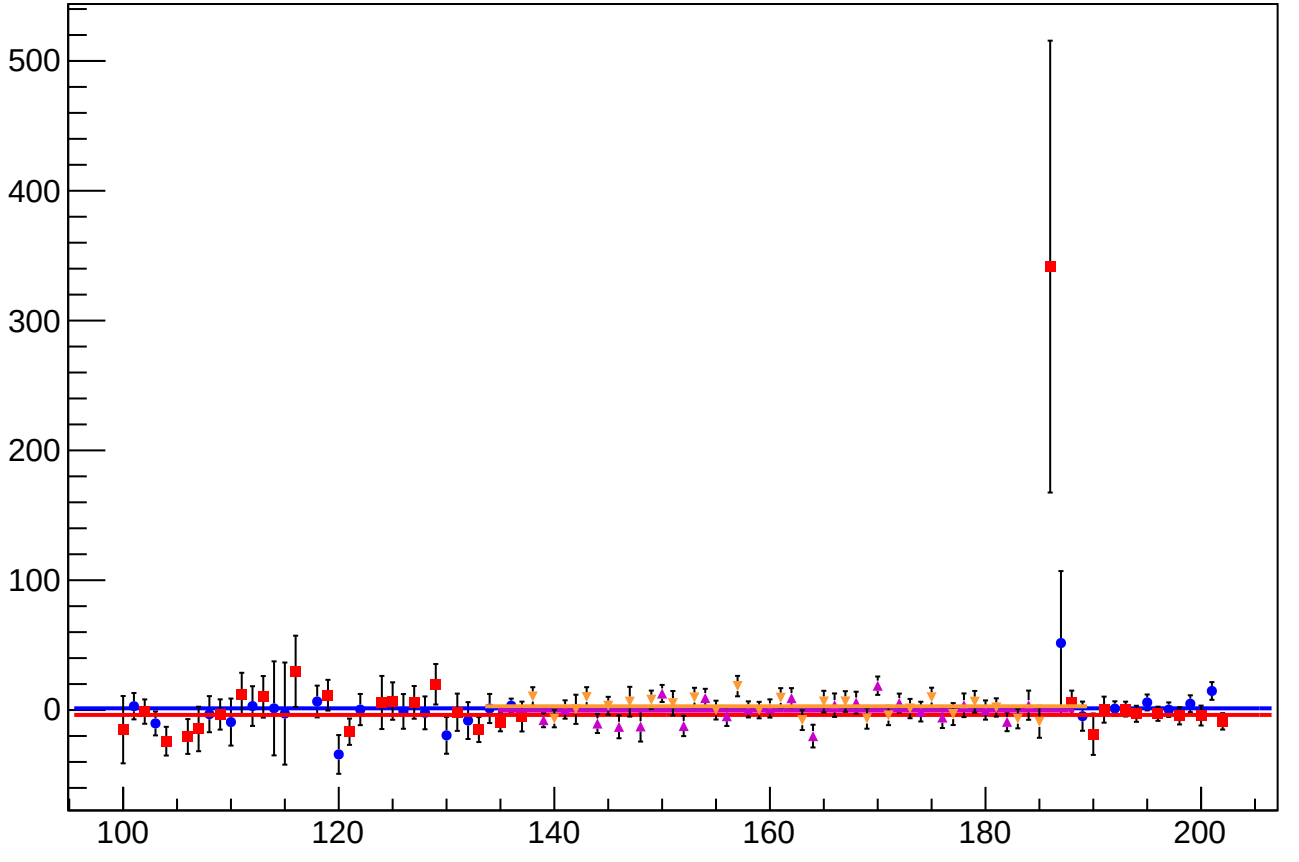
In: -1.252+/-1.930 χ^2/NDF:60.4/45

Out: -6.178+/-1.873 χ^2/NDF:97.5/53

All: -3.788+/-1.344 χ^2/NDF: 161.3/99


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15891.305+/-3.421 χ²/NDF: 2815525.1/22
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 17493.250+/-3.432 χ²/NDF: 3020784.0/28
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 16689.736+/-2.423 χ²/NDF: 5945603.0/51
In: 10061.485+/-1.364 χ²/NDF:6570797.4/45
Out: 10159.427+/-1.325 χ²/NDF:8734020.0/53
All: 10111.907+/-0.950 χ²/NDF: 15307470.1

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.309+/-1.959 χ^2/NDF: 16.6/22

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.776+/-1.810 χ^2/NDF: 25.0/28

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

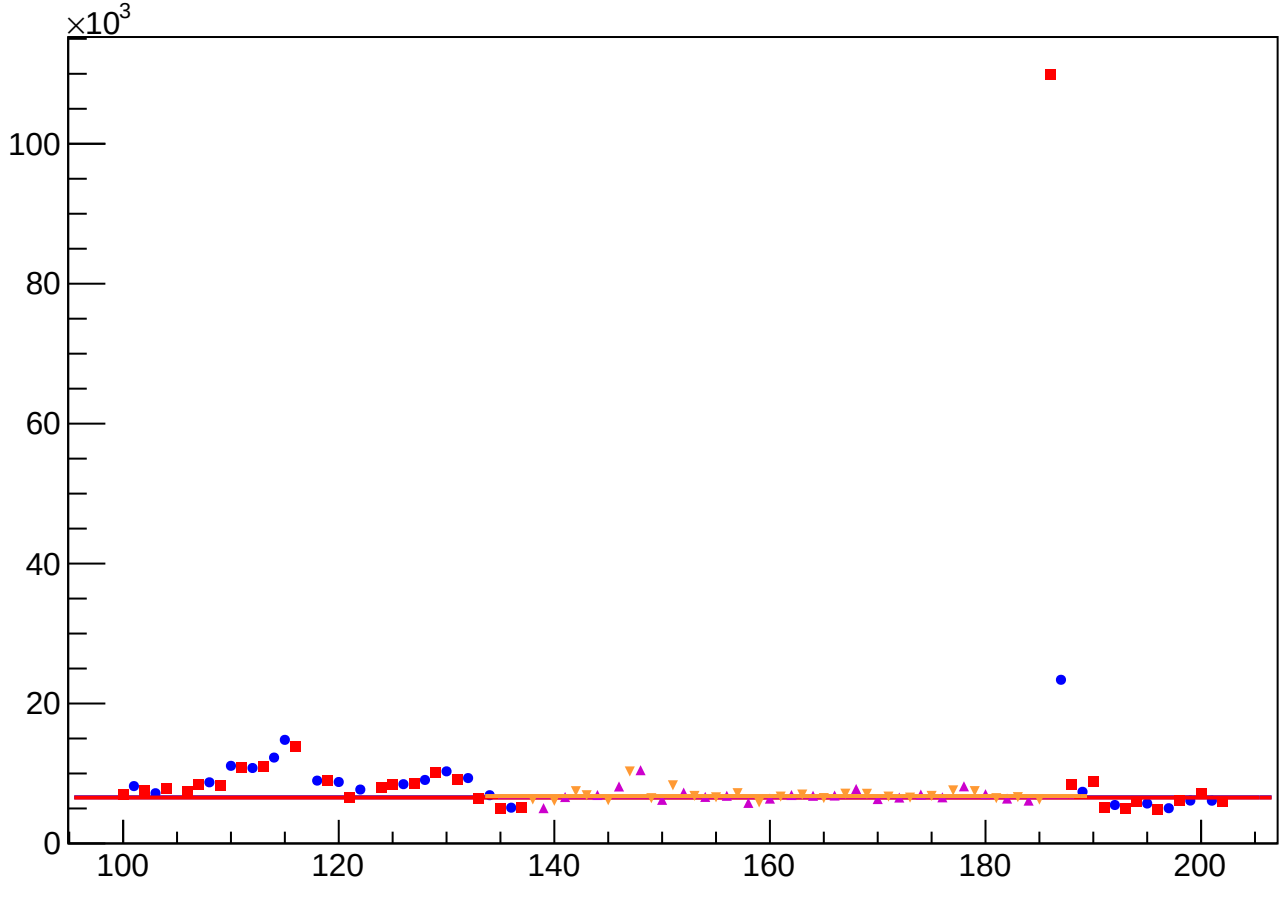
Right: -1.433+/-1.330 χ^2/NDF: 45.2/51

In: 0.241+/-1.231 χ^2/NDF:49.9/45

Out: 0.056+/-1.179 χ^2/NDF:52.3/53

All: 0.145+/-0.851 χ^2/NDF: 102.2/99

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6596.737+/-1.385 χ^2/NDF: 1617902.4/22

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6556.908+/-1.280 χ^2/NDF: 2323704.4/28

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

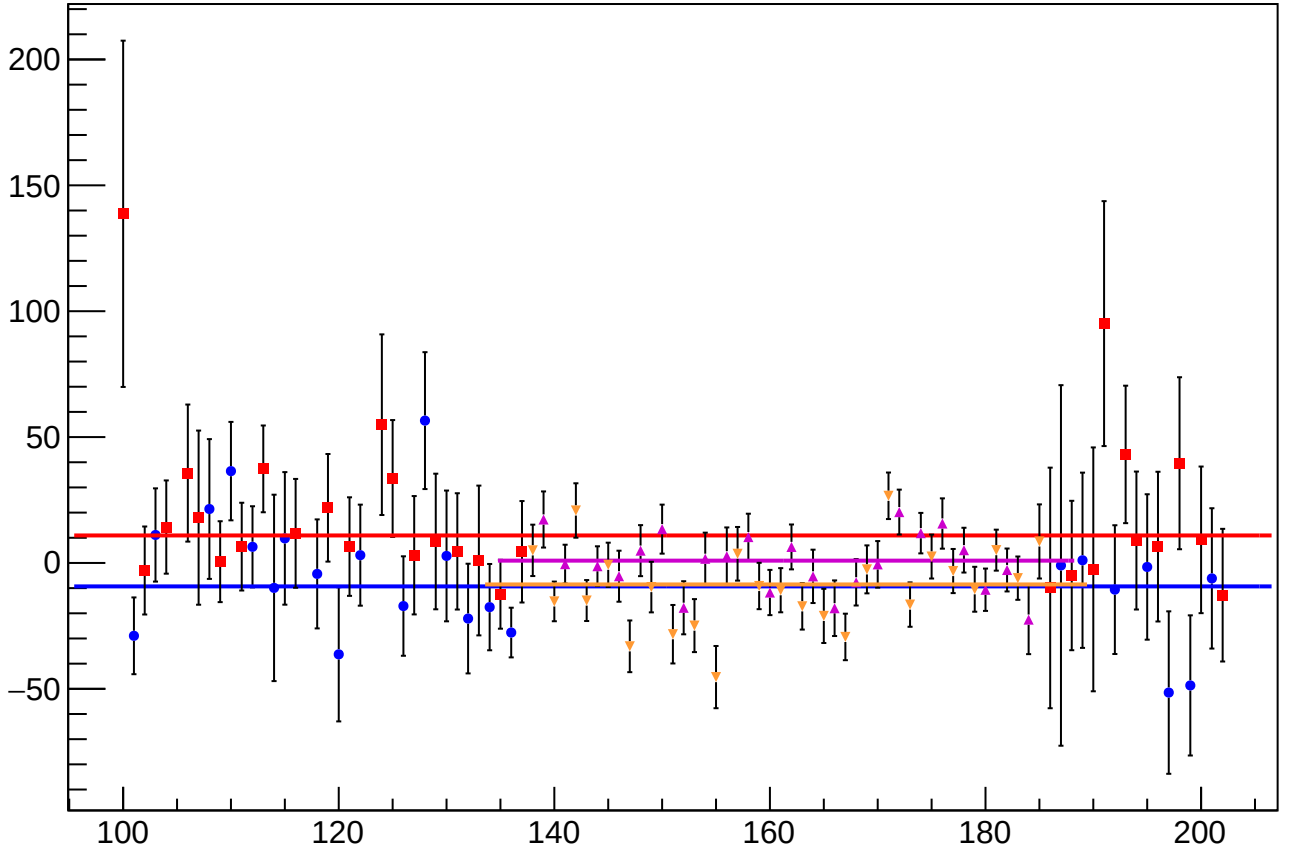
Right: 6575.254+/-0.940 χ^2/NDF: 3942052.8/51

In: 6652.929+/-0.870 χ^2/NDF:2240897.3/45

Out: 6683.495+/-0.834 χ^2/NDF:2740852.5/53

All: 6668.865+/-0.602 χ^2/NDF: 4982393.2/99

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -9.312+/-4.400 χ^2/NDF: 26.7/22

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 10.926+/-4.369 χ^2/NDF: 20.4/28

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

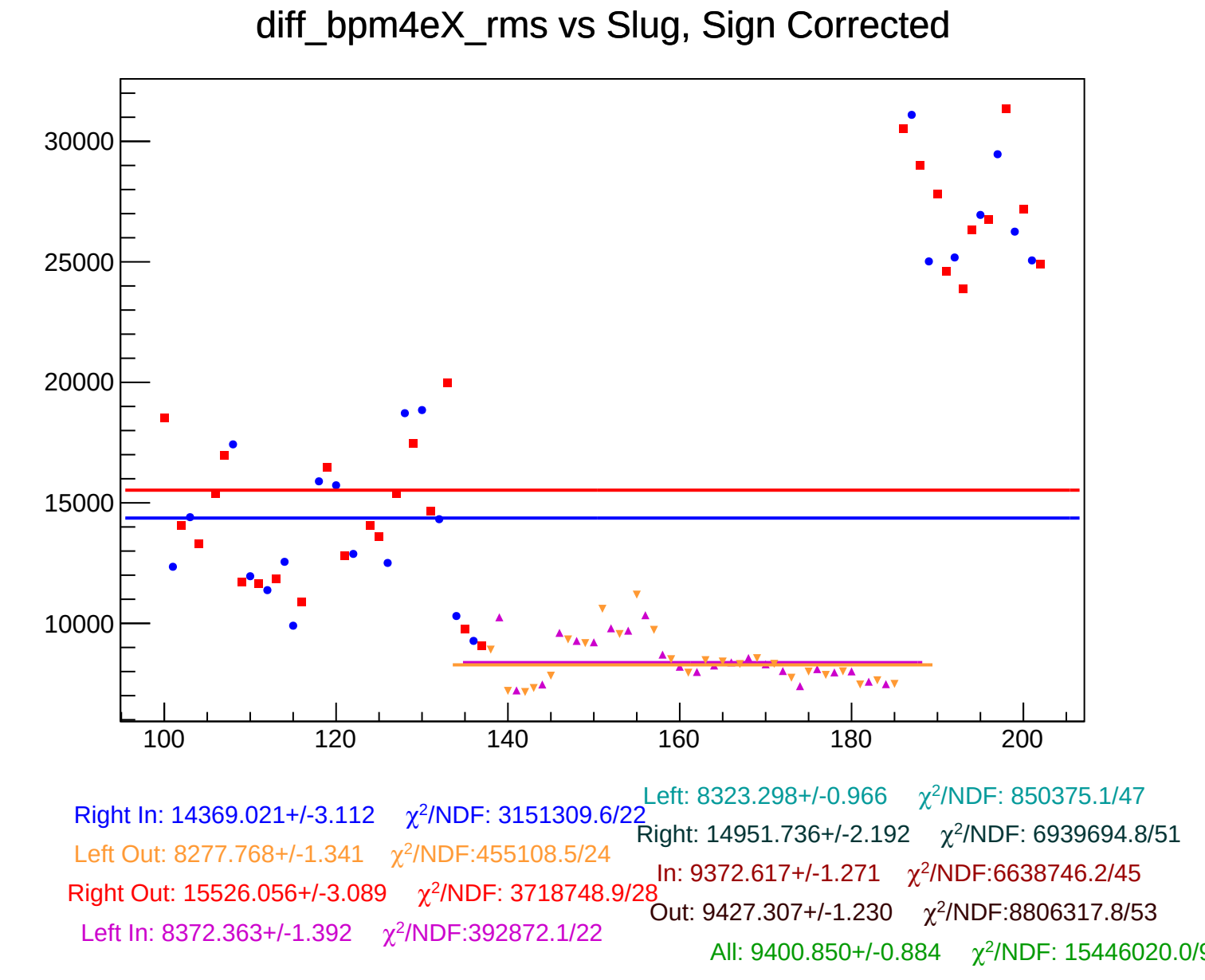
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 0.880+/-3.100 χ^2/NDF: 57.7/51

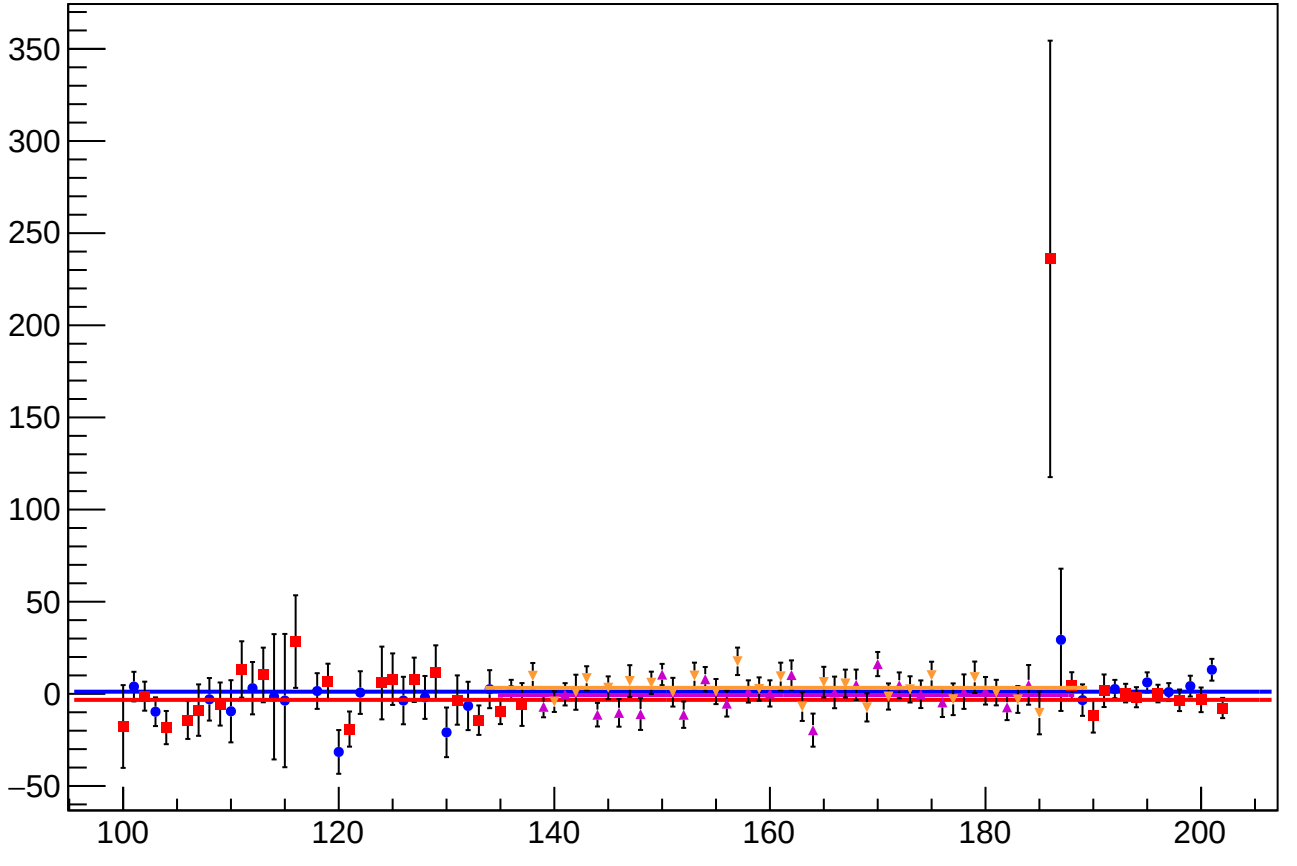
In: -0.787+/-1.797 χ^2/NDF:60.3/45

Out: -5.450+/-1.740 χ^2/NDF:99.0/53

All: -3.194+/-1.250 χ^2/NDF: 162.8/99


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14369.021+/-3.112 χ²/NDF: 3151309.6/22
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 15526.056+/-3.089 χ²/NDF: 3718748.9/28
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 14951.736+/-2.192 χ²/NDF: 6939694.8/51
In: 9372.617+/-1.271 χ²/NDF:6638746.2/45
Out: 9427.307+/-1.230 χ²/NDF:8806317.8/53
All: 9400.850+/-0.884 χ²/NDF: 15446020.0/9

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.171+/-1.735 χ^2/NDF: 19.6/22

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -3.268+/-1.584 χ^2/NDF: 25.7/28

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

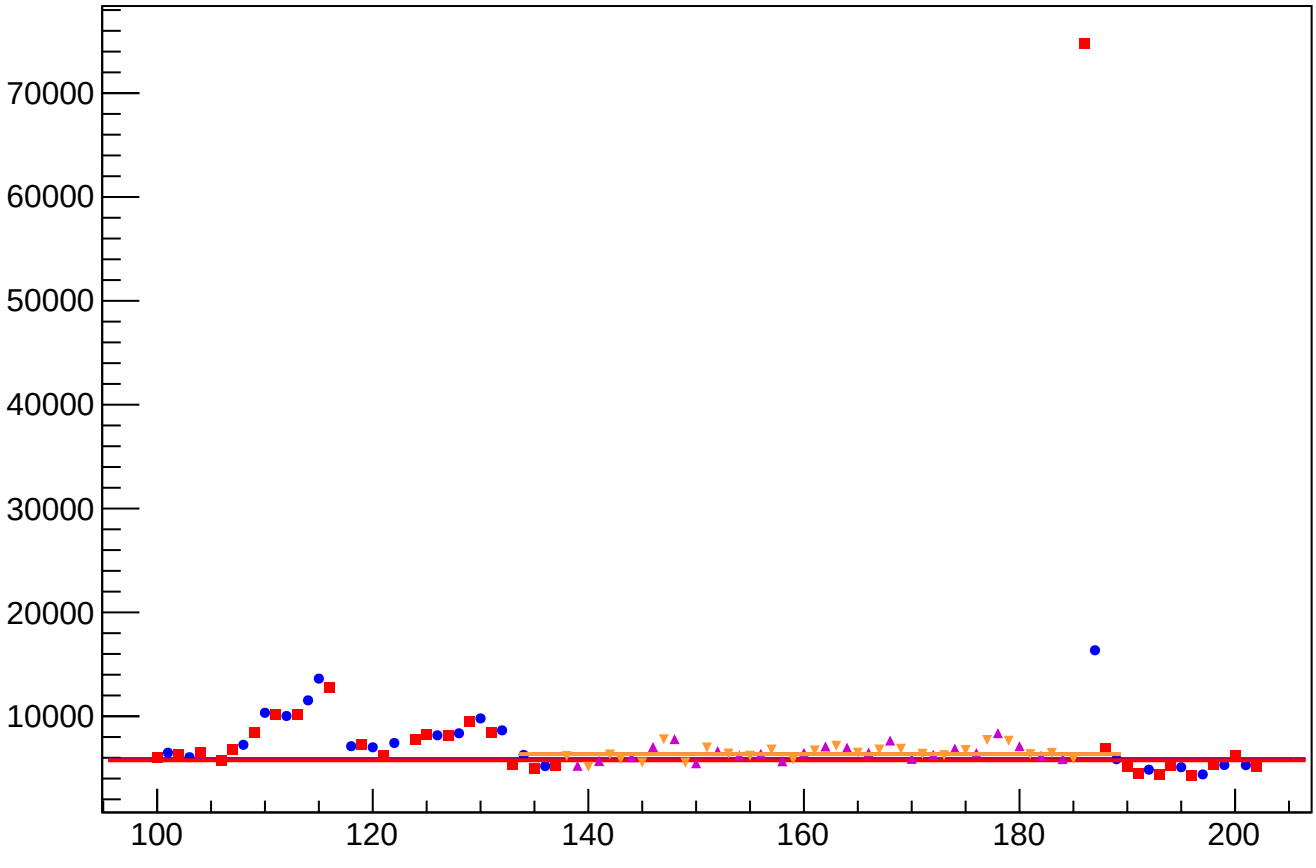
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -1.249+/-1.170 χ^2/NDF: 48.8/51

In: 0.131+/-1.134 χ^2/NDF:51.0/45

Out: 0.265+/-1.072 χ^2/NDF:52.5/53

All: 0.202+/-0.779 χ^2/NDF: 103.5/99



Right In: 5864.534+/-1.227 χ^2/NDF: 1527735.5/22

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5762.972+/-1.120 χ^2/NDF: 2291856.4/28

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

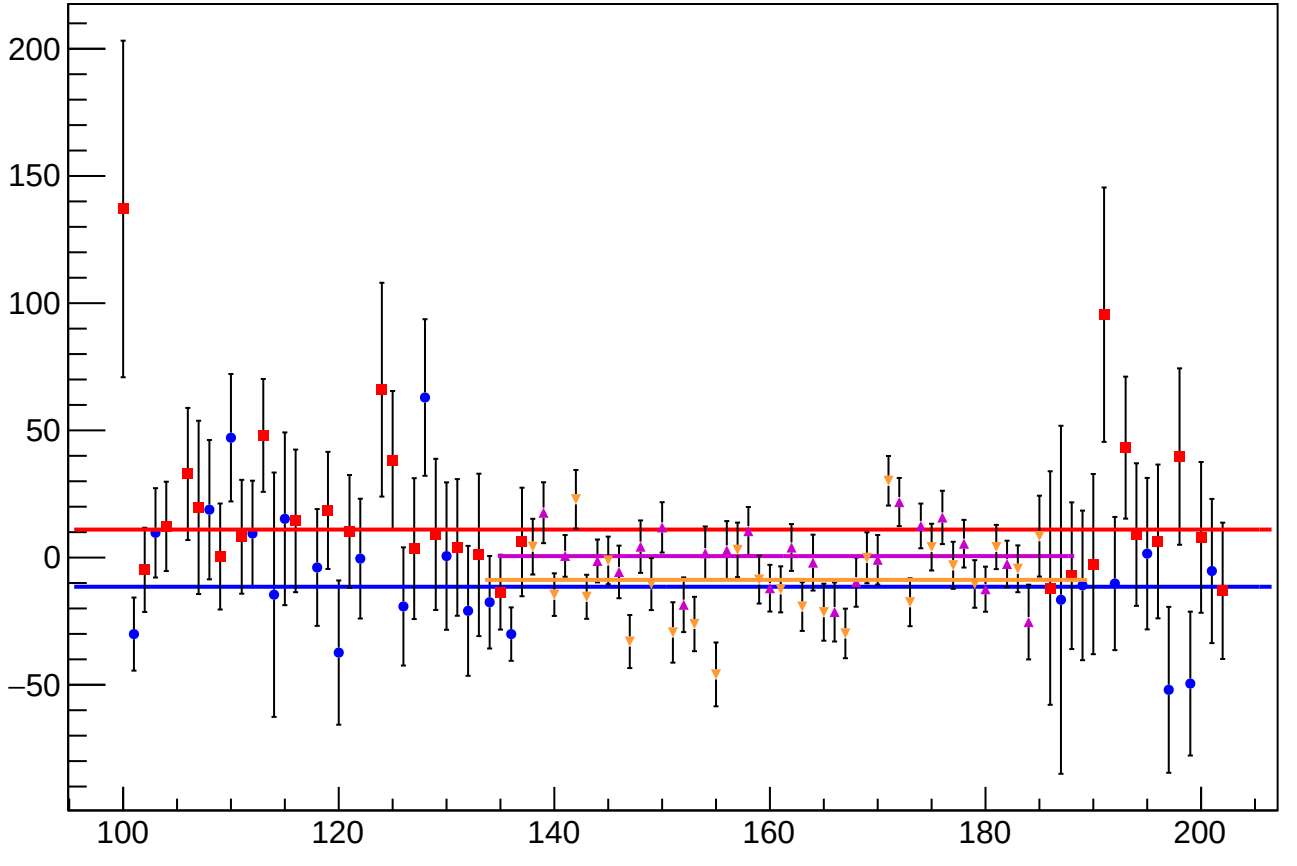
Right: 5809.152+/-0.827 χ^2/NDF: 3823330.8/51

In: 6148.080+/-0.802 χ^2/NDF:2094979.3/45

Out: 6085.032+/-0.758 χ^2/NDF:2858644.6/53

All: 6114.790+/-0.551 χ^2/NDF: 4956886.7/99

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -11.470+/-4.730 χ^2/NDF: 25.7/22

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 11.015+/-4.744 χ^2/NDF: 20.8/28

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

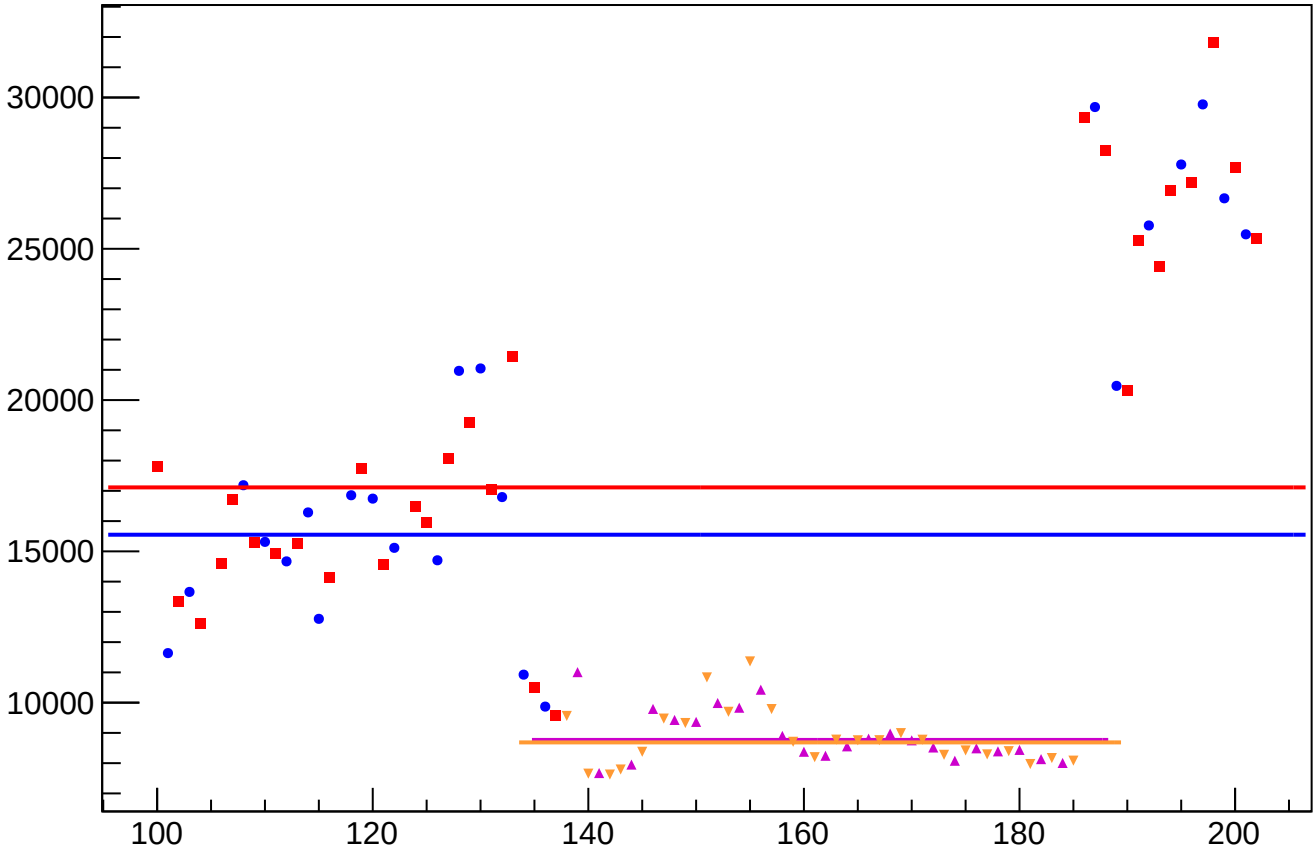
Right: -0.261+/-3.350 χ^2/NDF: 57.8/51

In: -1.340+/-1.888 χ^2/NDF:60.8/45

Out: -5.814+/-1.833 χ^2/NDF:98.3/53

All: -3.644+/-1.315 χ^2/NDF: 162.0/99

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 15549.927+/-3.345 χ^2/NDF: 2782051.2/22

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17113.898+/-3.355 χ^2/NDF: 2977136.2/28

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

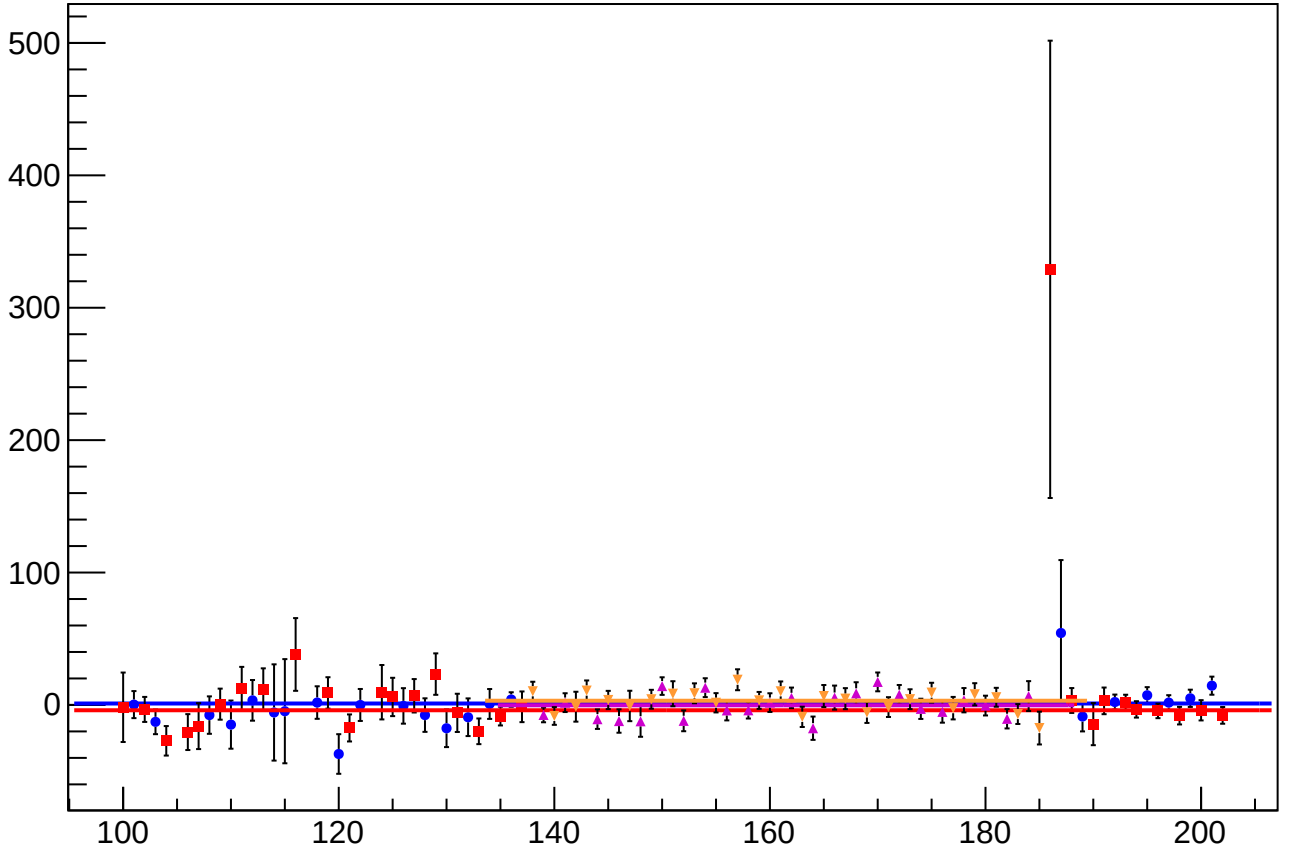
Right: 16329.627+/-2.369 χ^2/NDF: 5868186.2/51

In: 9848.158+/-1.335 χ^2/NDF:6534187.6/45

Out: 9943.833+/-1.296 χ^2/NDF:8687705.2/53

All: 9897.416+/-0.930 χ^2/NDF: 15224537.0/9

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.080+/-1.966 χ^2/NDF: 20.1/22

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -4.020+/-1.818 χ^2/NDF: 28.6/28

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

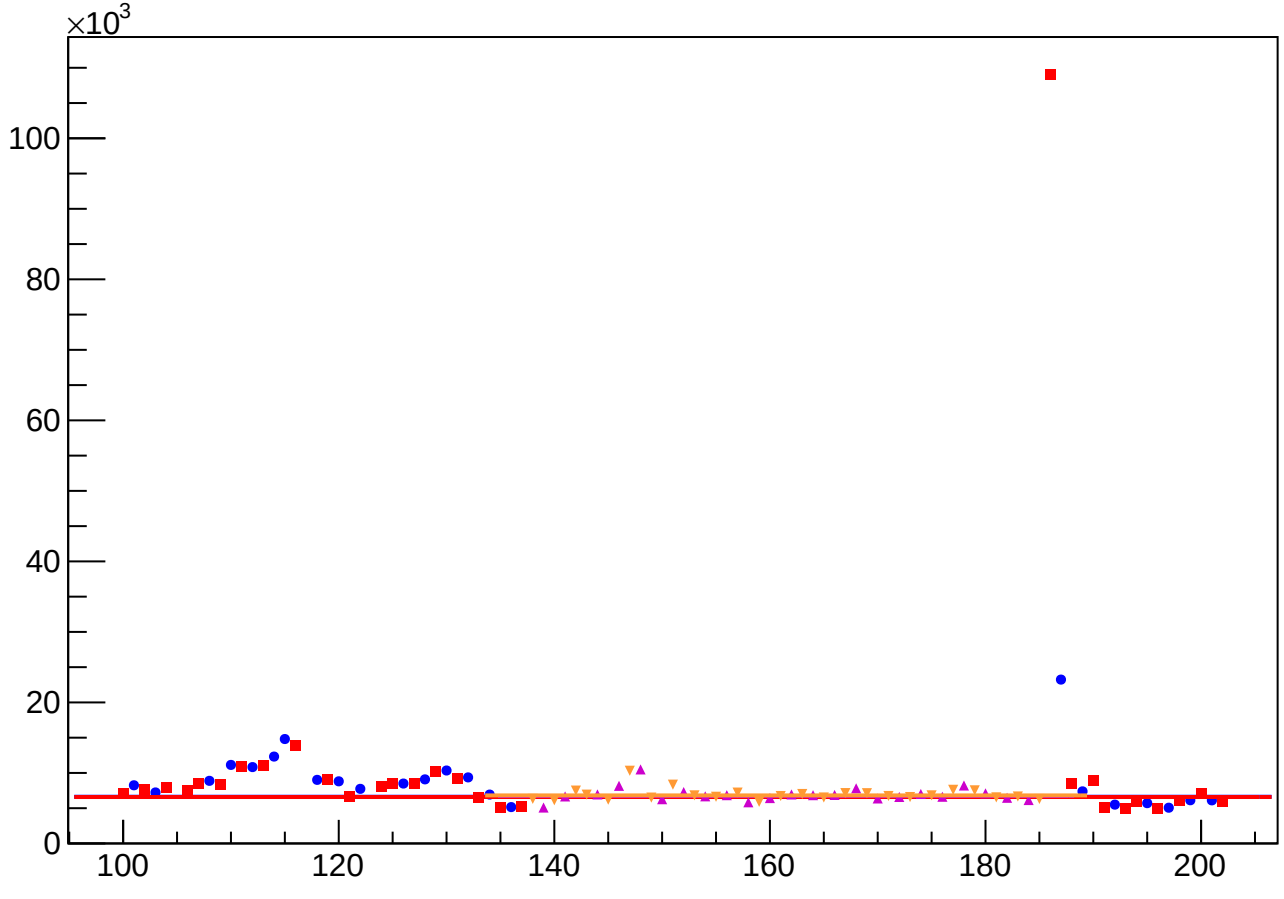
Right: -1.670+/-1.335 χ^2/NDF: 52.3/51

In: 0.264+/-1.236 χ^2/NDF:54.6/45

Out: 0.117+/-1.185 χ^2/NDF:59.3/53

All: 0.188+/-0.855 χ^2/NDF: 113.9/99

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6622.819+/-1.390 χ^2/NDF: 1615899.9/22

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6585.650+/-1.285 χ^2/NDF: 2317308.8/28

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

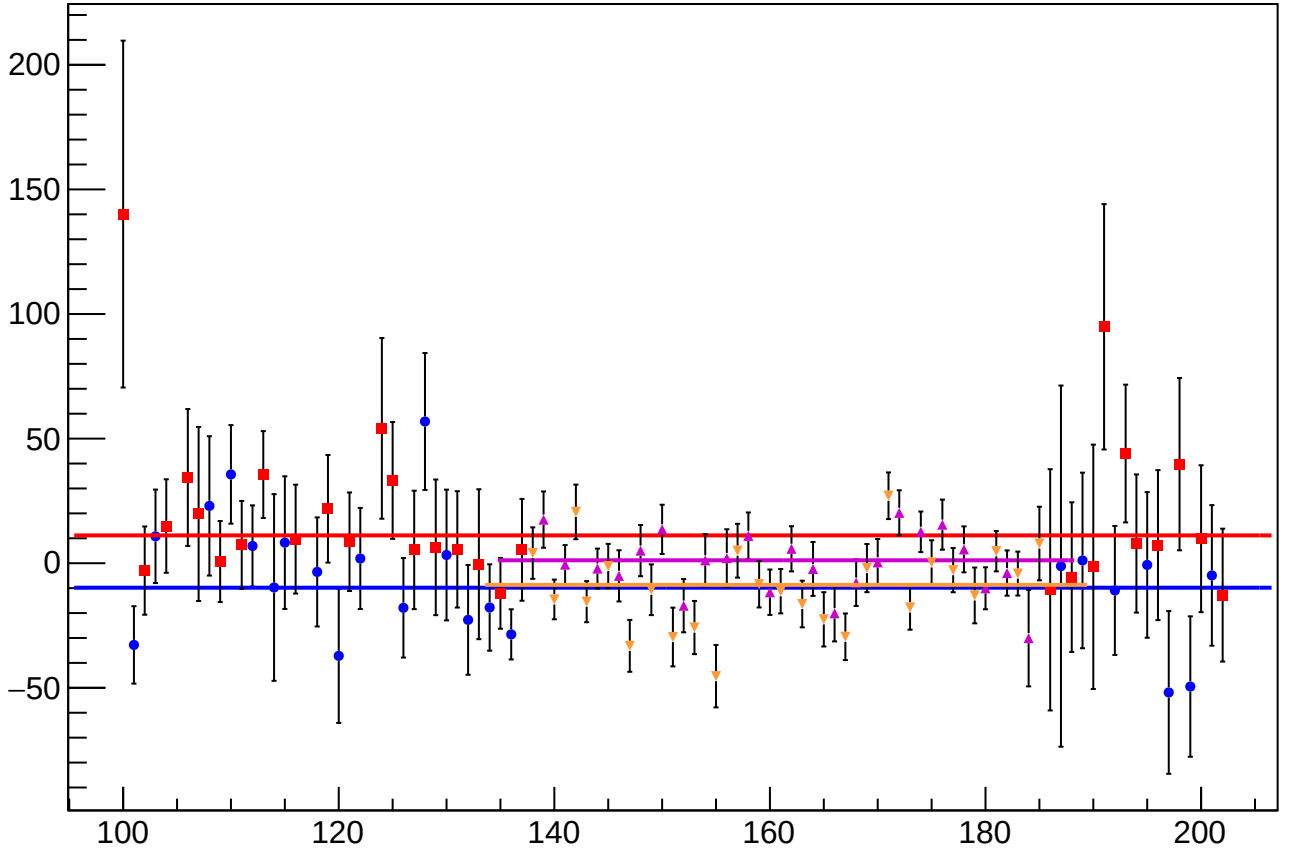
Right: 6602.777+/-0.944 χ^2/NDF: 3933594.1/51

In: 6686.329+/-0.874 χ^2/NDF:2229388.0/45

Out: 6716.423+/-0.838 χ^2/NDF:2729922.5/53

All: 6702.020+/-0.605 χ^2/NDF: 4959928.2/99

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -9.826+/-4.460 χ^2/NDF: 27.2/22

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 11.165+/-4.431 χ^2/NDF: 19.3/28

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

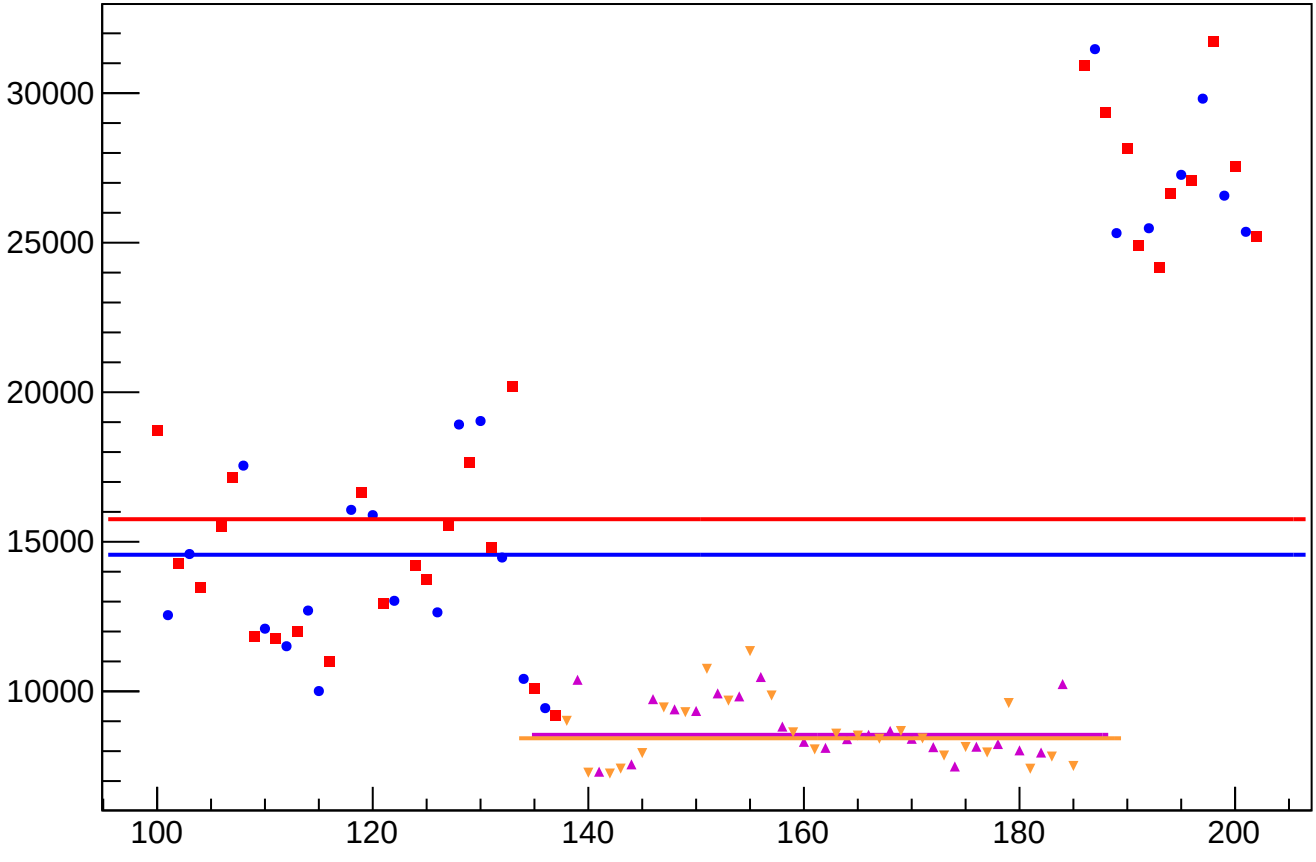
Right: 0.739+/-3.143 χ^2/NDF: 57.7/51

In: -0.687+/-1.834 χ^2/NDF:60.8/45

Out: -5.508+/-1.774 χ^2/NDF:97.6/53

All: -3.178+/-1.275 χ^2/NDF: 162.0/99

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 14566.496+/-3.154 χ^2/NDF: 3129341.7/22

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15755.210+/-3.133 χ^2/NDF: 3678910.4/28

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

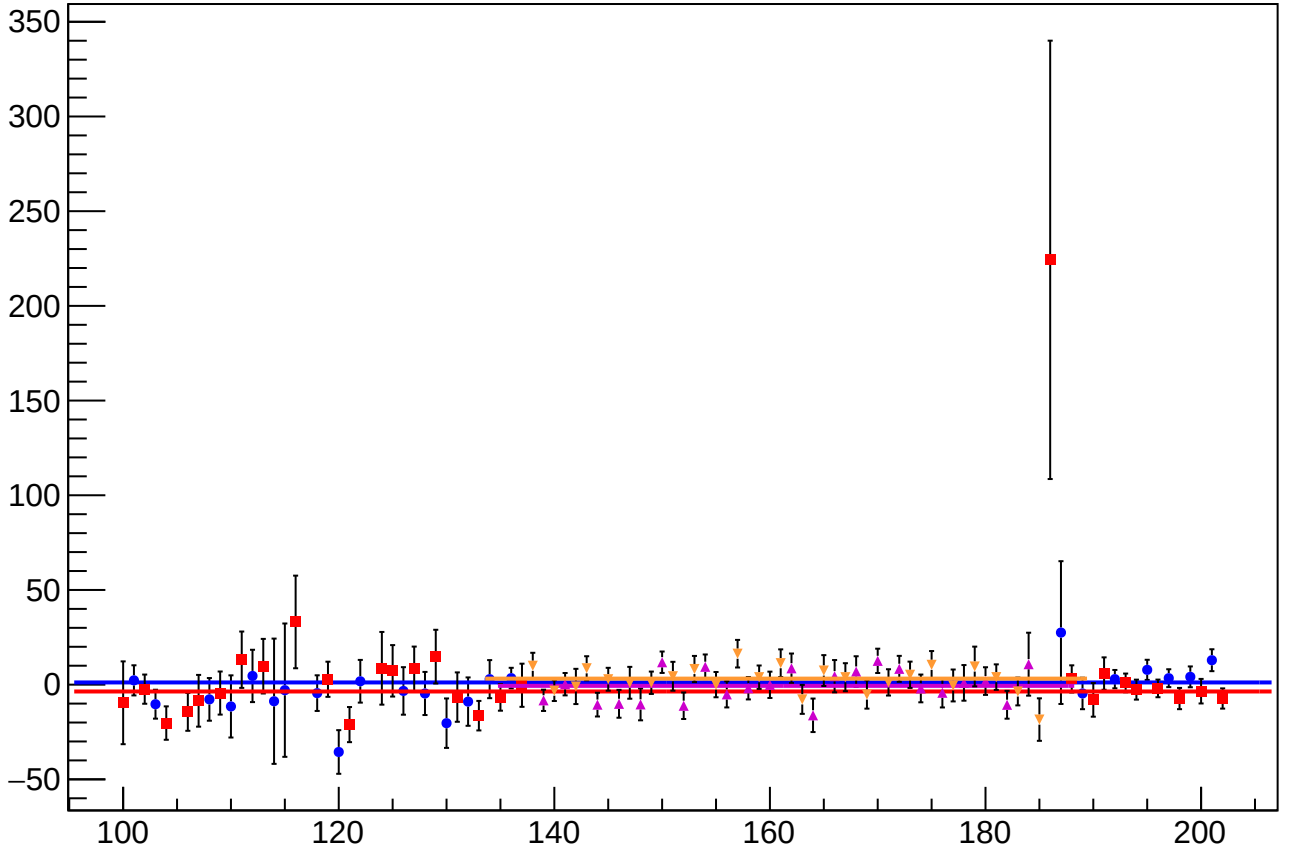
Right: 15164.782+/-2.223 χ^2/NDF: 6879754.5/51

In: 9563.924+/-1.297 χ^2/NDF:6547349.1/45

Out: 9605.070+/-1.255 χ^2/NDF:8752806.1/53

All: 9585.183+/-0.902 χ^2/NDF: 15300675.1/9

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.168+/-1.692 χ^2/NDF: 25.4/22

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.606+/-1.544 χ^2/NDF: 28.3/28

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

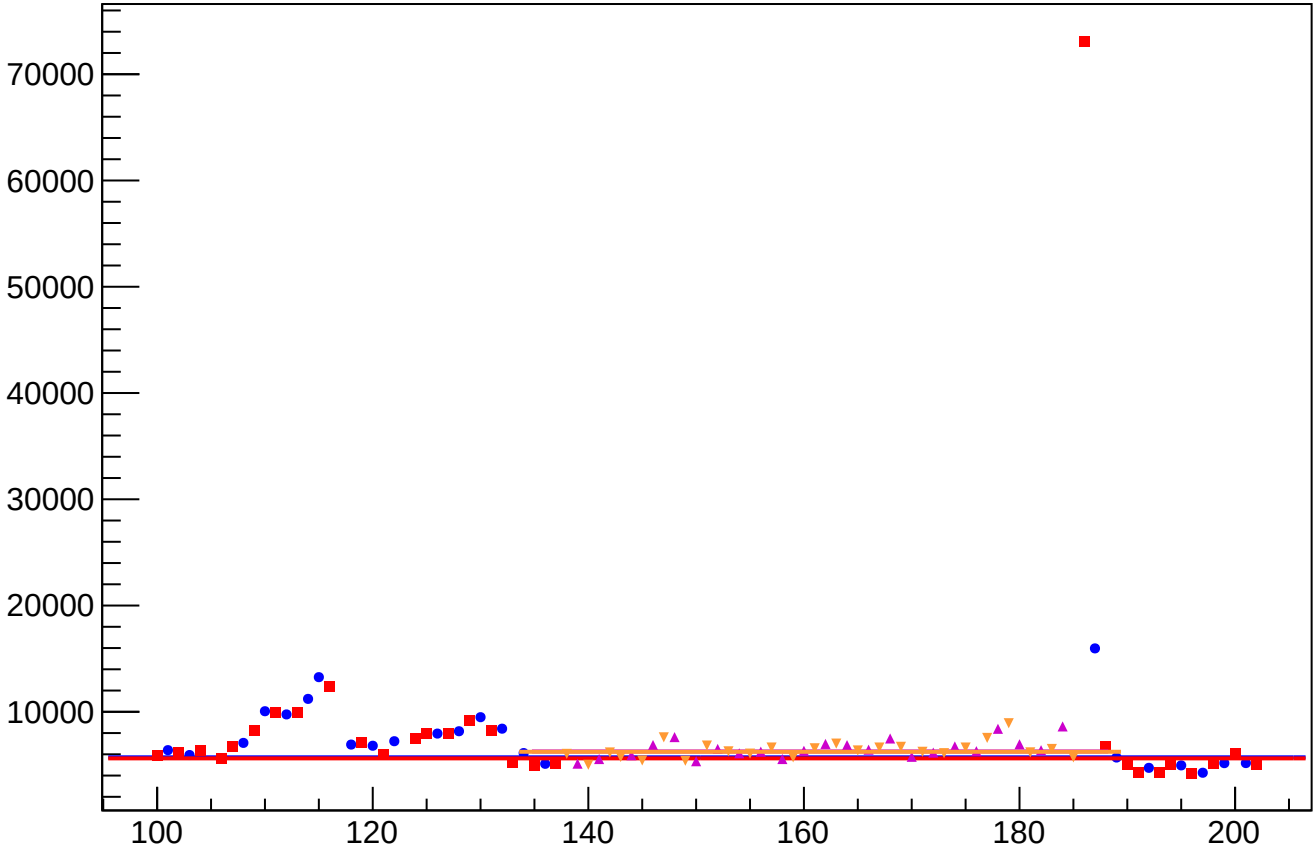
Right: -1.436+/-1.141 χ^2/NDF: 58.1/51

In: 0.149+/-1.115 χ^2/NDF:57.9/45

Out: 0.039+/-1.051 χ^2/NDF:57.4/53

All: 0.091+/-0.765 χ^2/NDF: 115.3/99

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5717.806+/-1.197 χ^2/NDF: 1530017.8/22

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5617.322+/-1.092 χ^2/NDF: 2273828.8/28

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

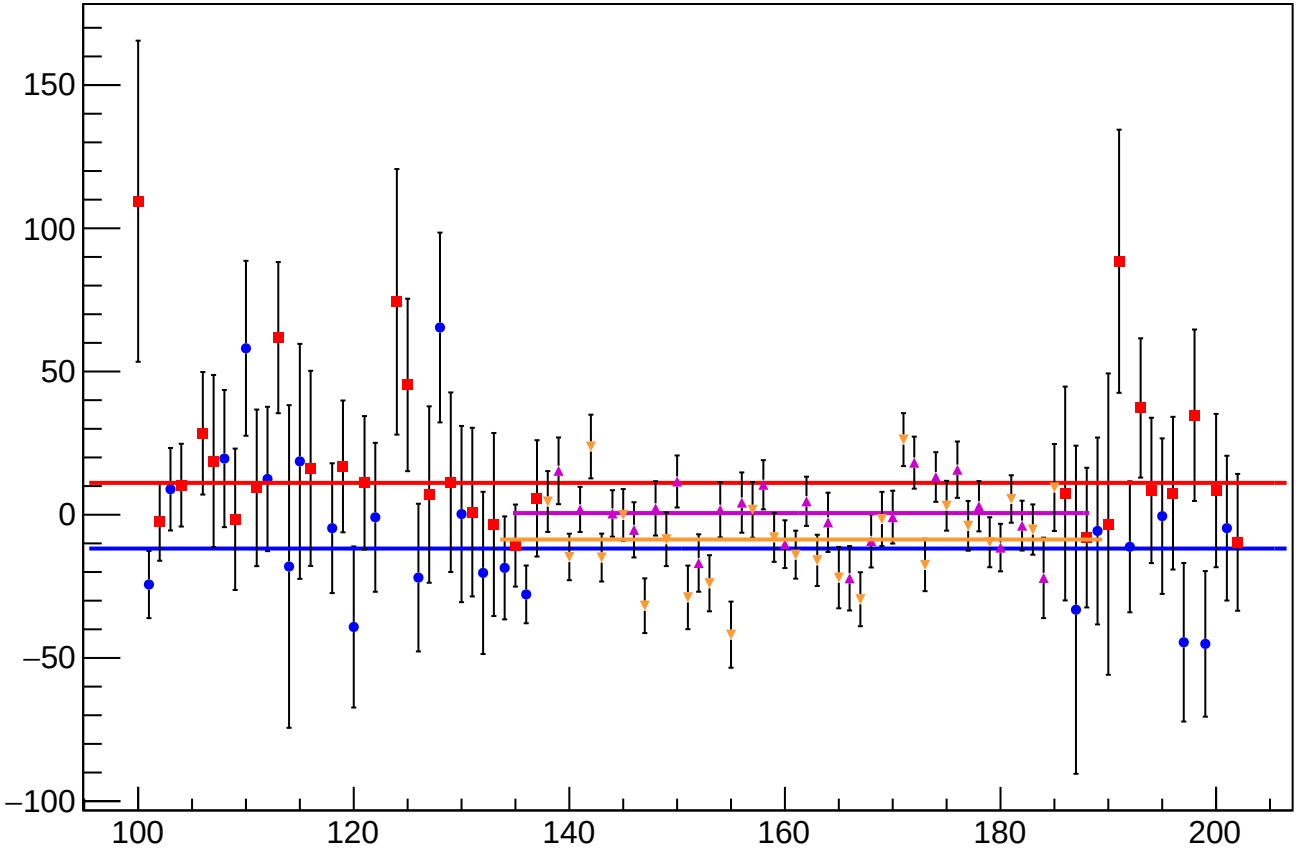
Right: 5662.983+/-0.807 χ^2/NDF: 3807694.1/51

In: 6029.376+/-0.788 χ^2/NDF:2174129.3/45

Out: 5950.422+/-0.743 χ^2/NDF:2954905.2/53

All: 5987.582+/-0.541 χ^2/NDF: 5134345.2/99

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -11.807+/-4.533 χ^2/NDF: 24.9/22

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 11.125+/-4.561 χ^2/NDF: 20.9/28

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

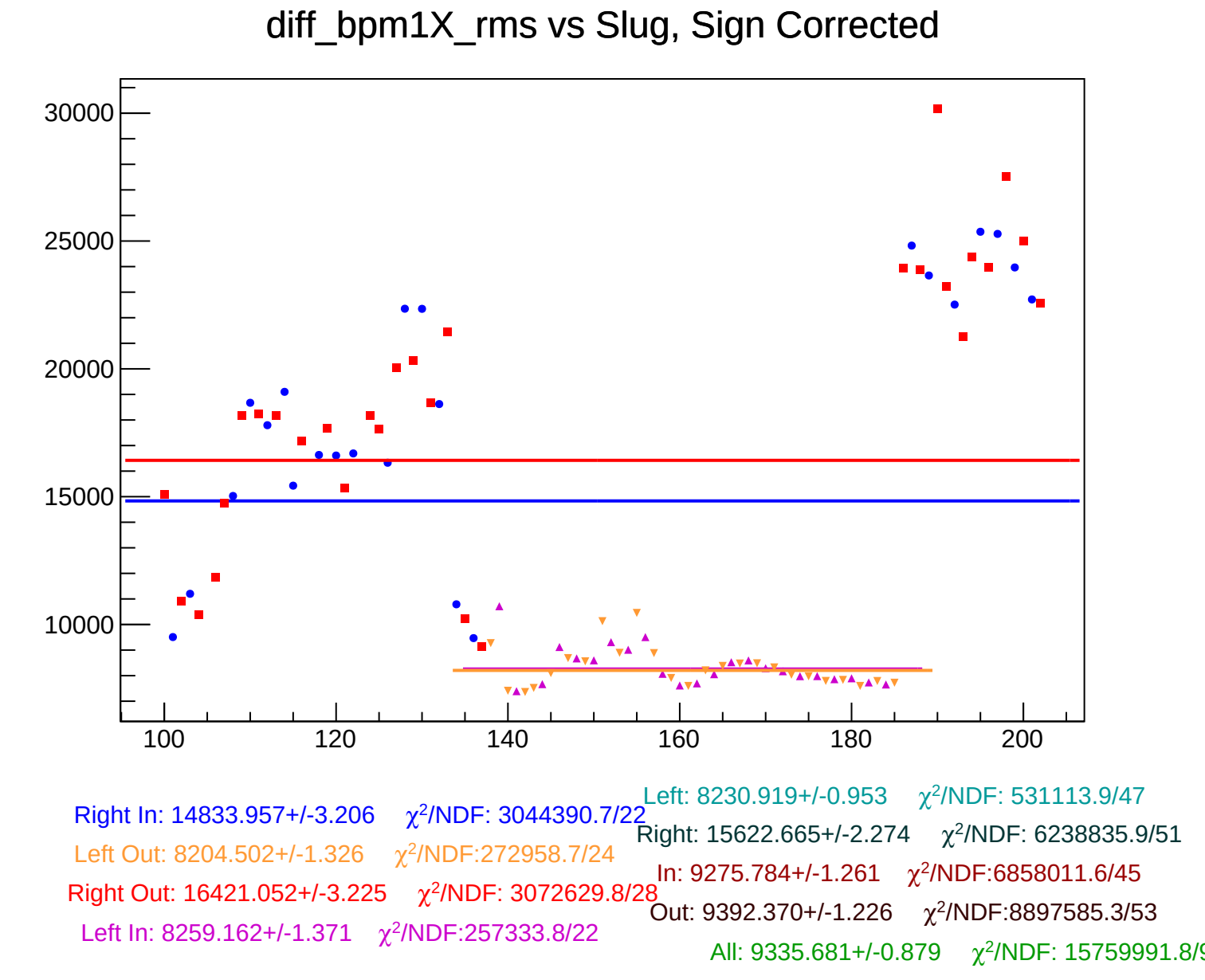
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -0.411+/-3.215 χ^2/NDF: 58.5/51

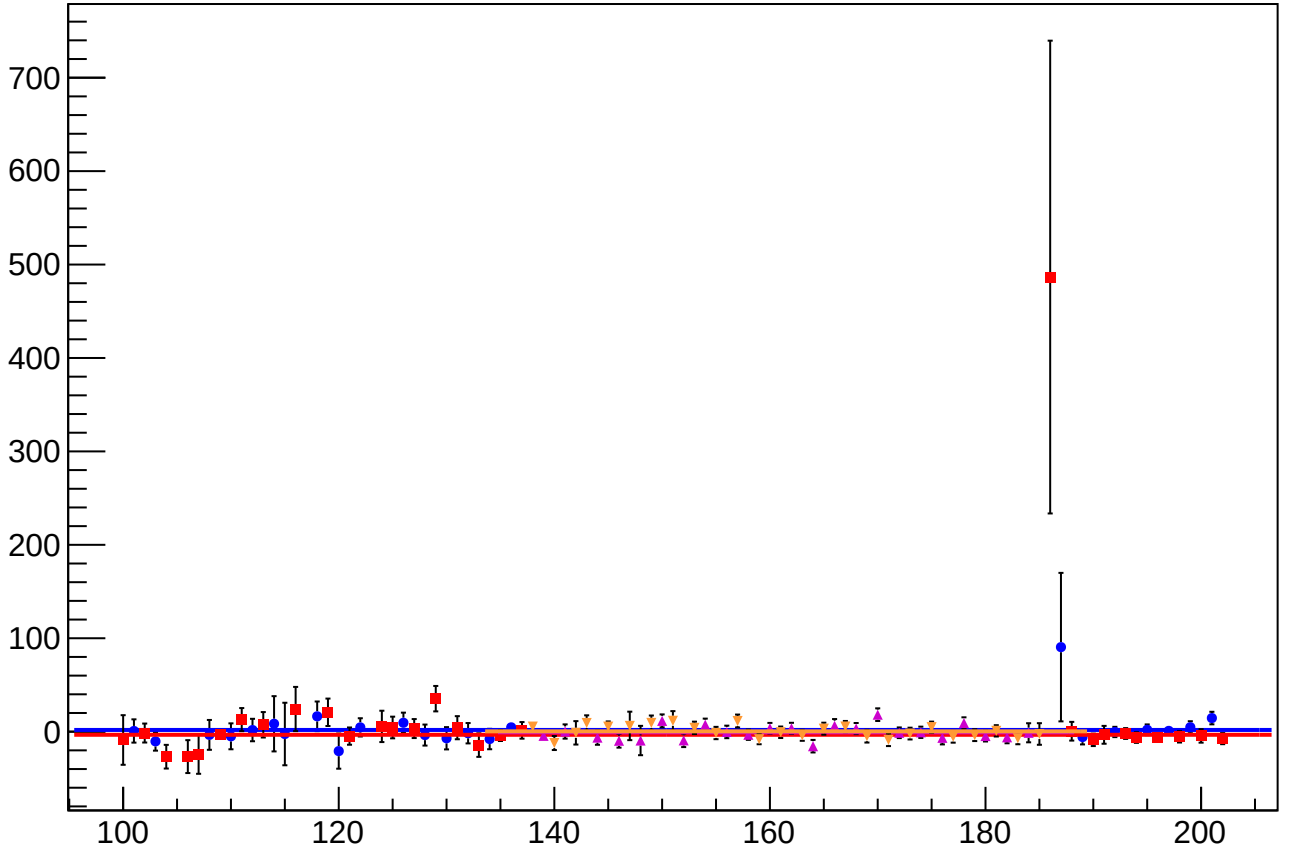
In: -1.333+/-1.783 χ^2/NDF:59.7/45

Out: -5.791+/-1.734 χ^2/NDF:100.0/53

All: -3.623+/-1.243 χ^2/NDF: 162.9/99


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14833.957+/-3.206 χ²/NDF: 3044390.7/22
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 16421.052+/-3.225 χ²/NDF: 3072629.8/28
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 15622.665+/-2.274 χ²/NDF: 6238835.9/51
In: 9275.784+/-1.261 χ²/NDF:6858011.6/45
Out: 9392.370+/-1.226 χ²/NDF:8897585.3/53
All: 9335.681+/-0.879 χ²/NDF: 15759991.8/9

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.841+/-1.790 χ^2/NDF: 13.1/22

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -3.325+/-1.576 χ^2/NDF: 29.1/28

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

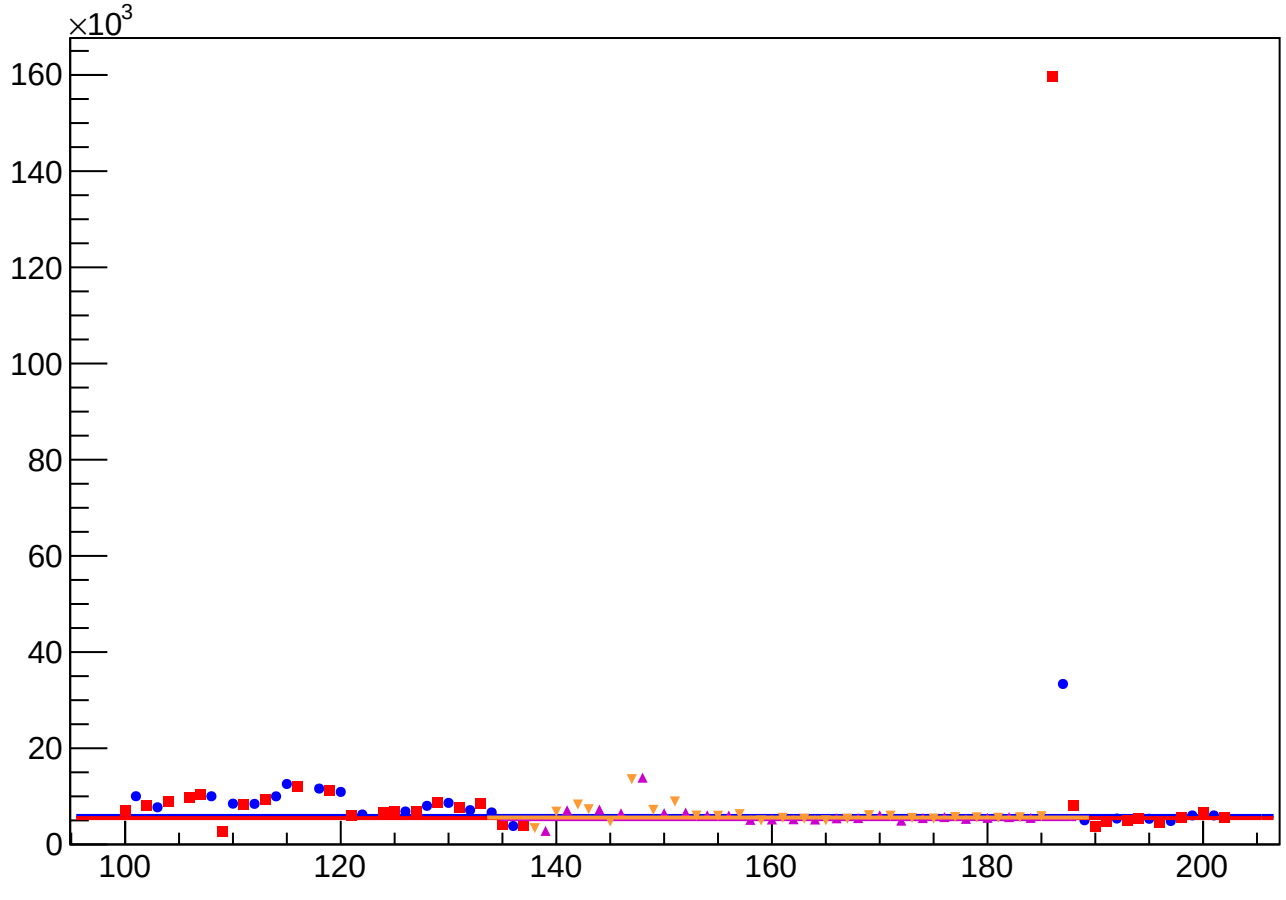
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -1.070+/-1.183 χ^2/NDF: 46.9/51

In: 0.163+/-1.047 χ^2/NDF:44.3/45

Out: -1.166+/-1.013 χ^2/NDF:53.8/53

All: -0.524+/-0.728 χ^2/NDF: 99.0/99



Right In: 5928.196+/-1.266 χ^2/NDF: 2209691.2/22

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5480.480+/-1.114 χ^2/NDF: 3736009.7/28

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

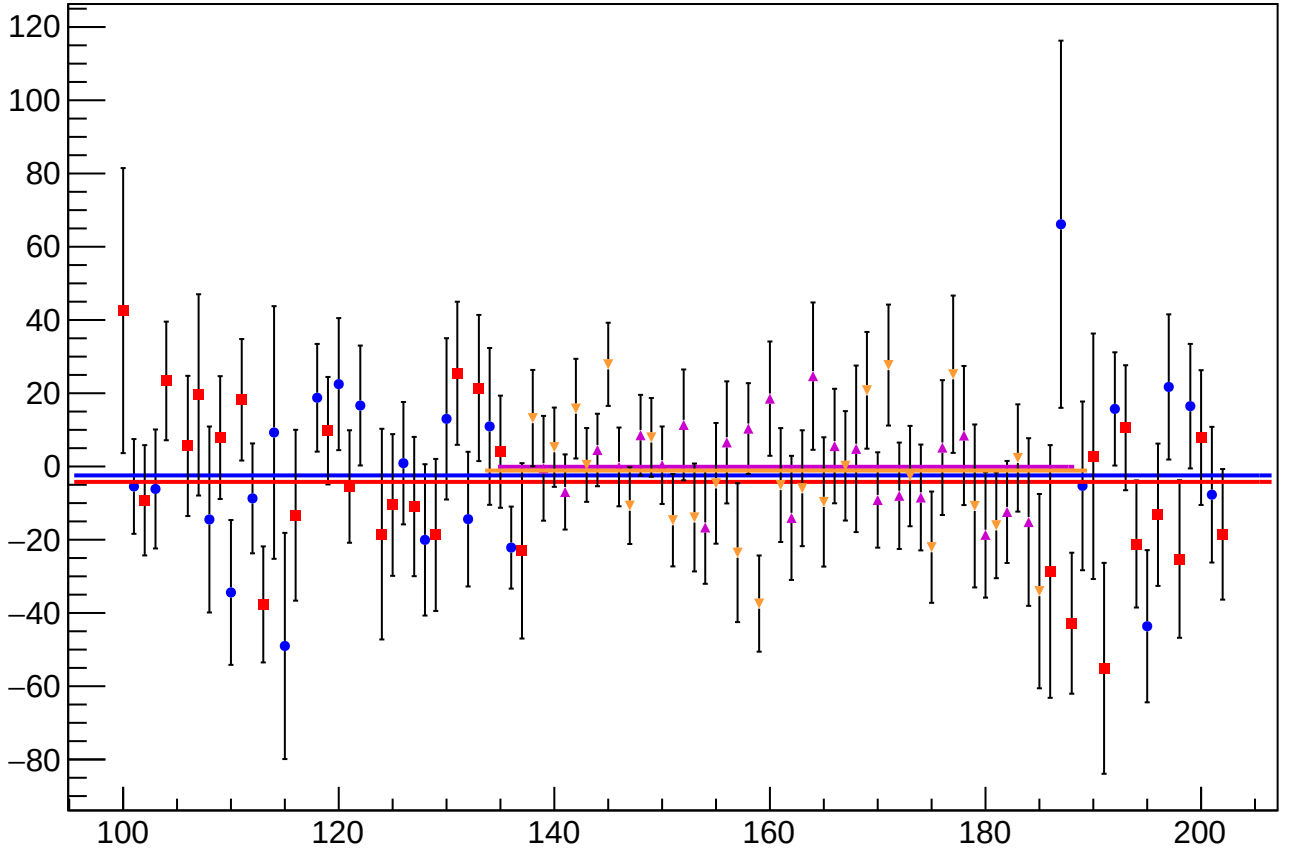
Right: 5675.919+/-0.836 χ^2/NDF: 6016173.6/51

In: 5490.434+/-0.741 χ^2/NDF:4817051.2/45

Out: 5547.419+/-0.716 χ^2/NDF:5526416.1/53

All: 5519.884+/-0.515 χ^2/NDF: 10346527.8/9

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -2.440+/-3.768 χ^2/NDF: 26.0/22

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -4.207+/-3.575 χ^2/NDF: 30.8/28

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

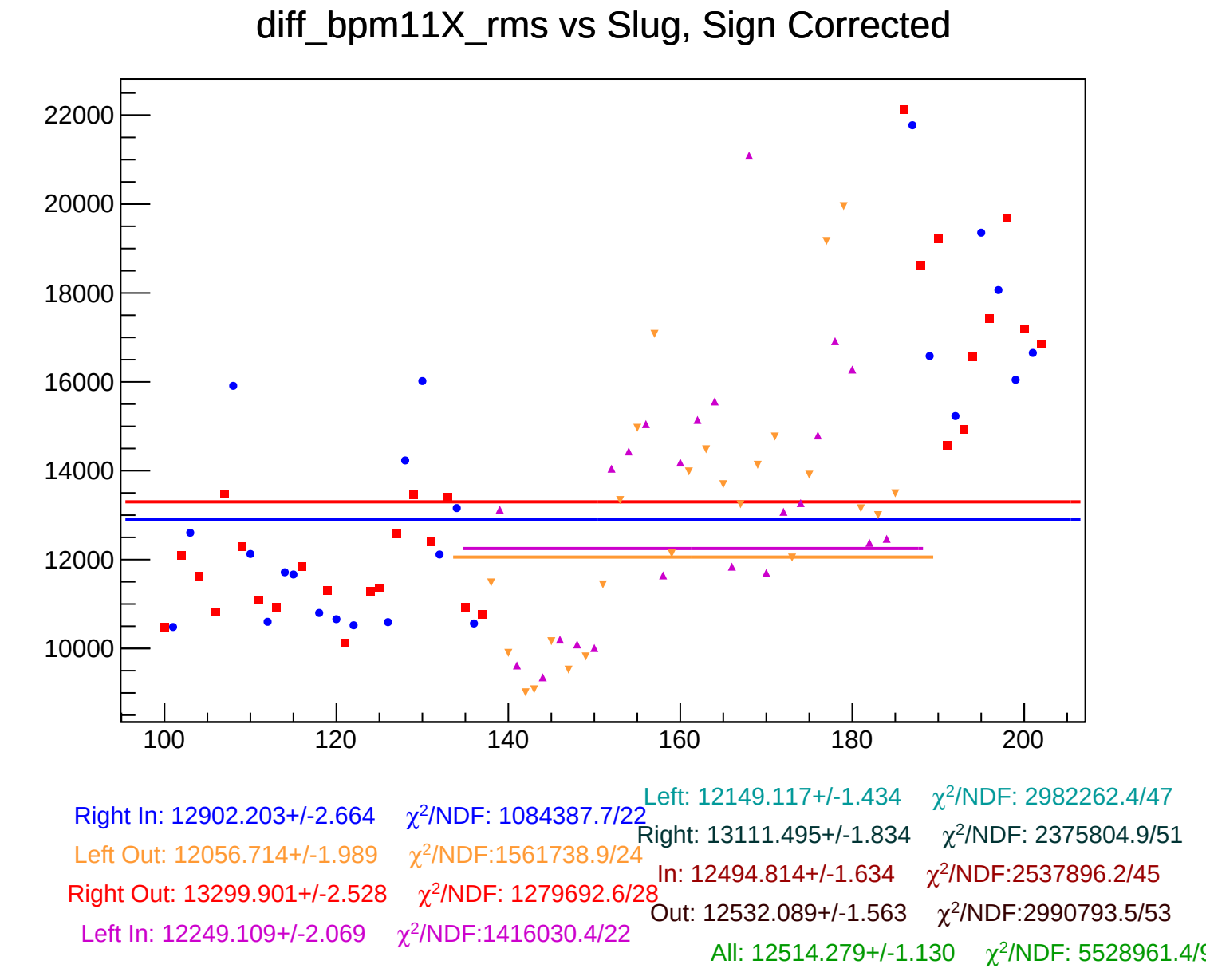
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -3.370+/-2.594 χ^2/NDF: 56.9/51

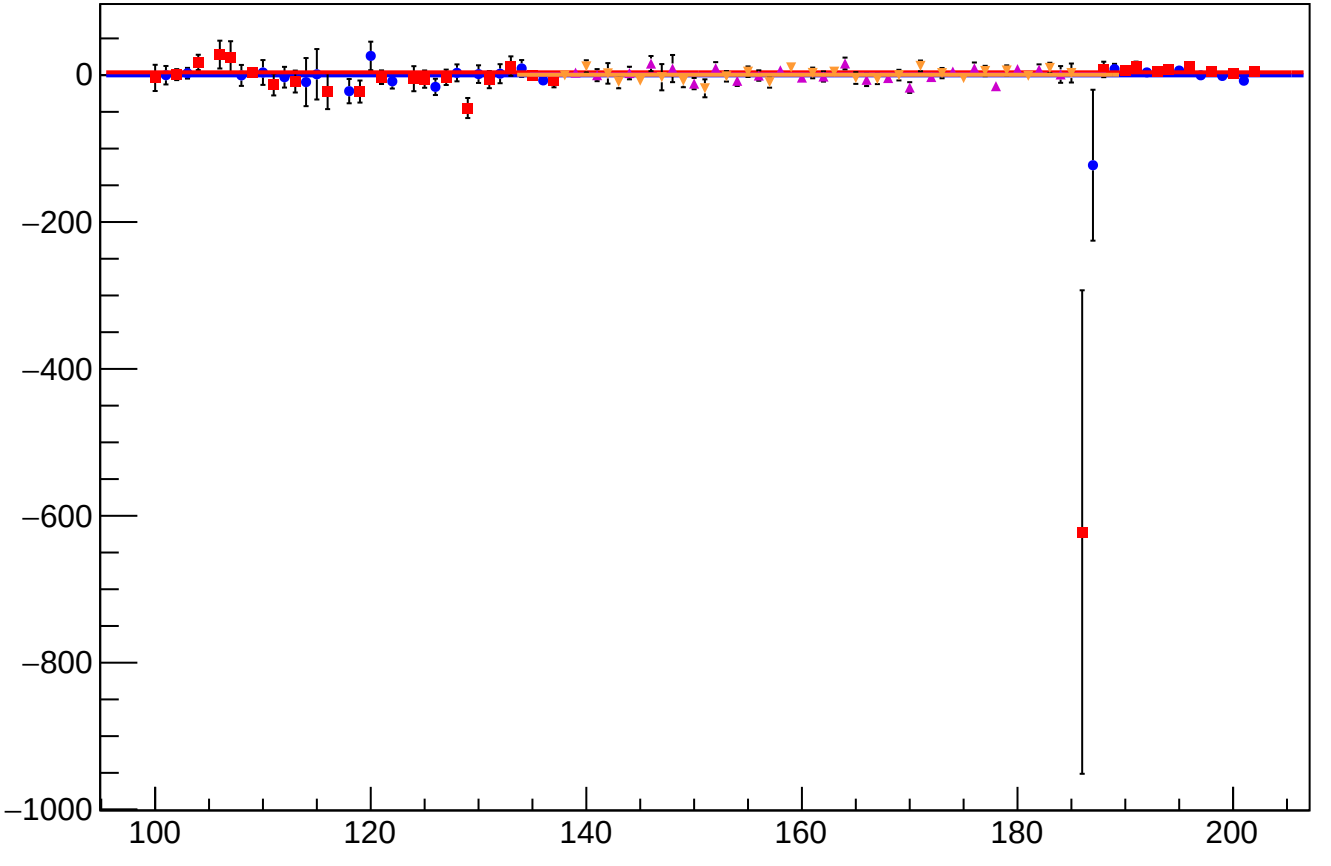
In: -0.971+/-2.311 χ^2/NDF:37.7/45

Out: -2.295+/-2.211 χ^2/NDF:65.0/53

All: -1.662+/-1.598 χ^2/NDF: 102.9/99


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 12902.203+/-2.664 χ²/NDF: 1084387.7/22
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13299.901+/-2.528 χ²/NDF: 1279692.6/28
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13111.495+/-1.834 χ²/NDF: 2375804.9/51
In: 12494.814+/-1.634 χ²/NDF:2537896.2/45
Out: 12532.089+/-1.563 χ²/NDF:2990793.5/53
All: 12514.279+/-1.130 χ²/NDF: 5528961.4/9

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -0.311+/-1.631 χ^2/NDF: 17.1/22

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 3.822+/-1.436 χ^2/NDF: 36.5/28

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

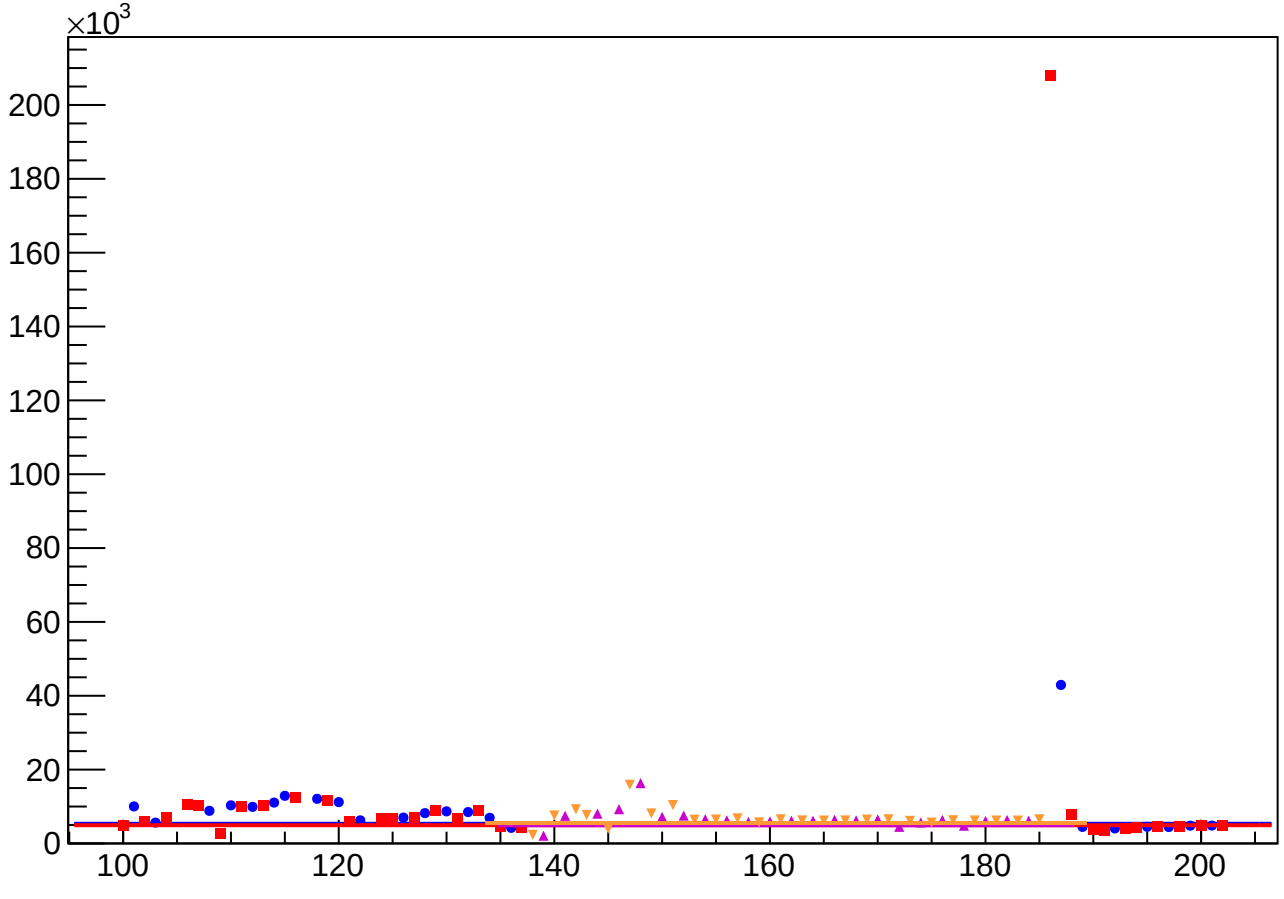
Right: 2.016+/-1.078 χ^2/NDF: 57.3/51

In: 0.460+/-1.014 χ^2/NDF:49.7/45

Out: 2.094+/-0.991 χ^2/NDF:60.7/53

All: 1.296+/-0.709 χ^2/NDF: 111.7/99

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 5324.078+/-1.153 χ^2/NDF: 2725642.7/22

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4943.974+/-1.016 χ^2/NDF: 3691444.7/28

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

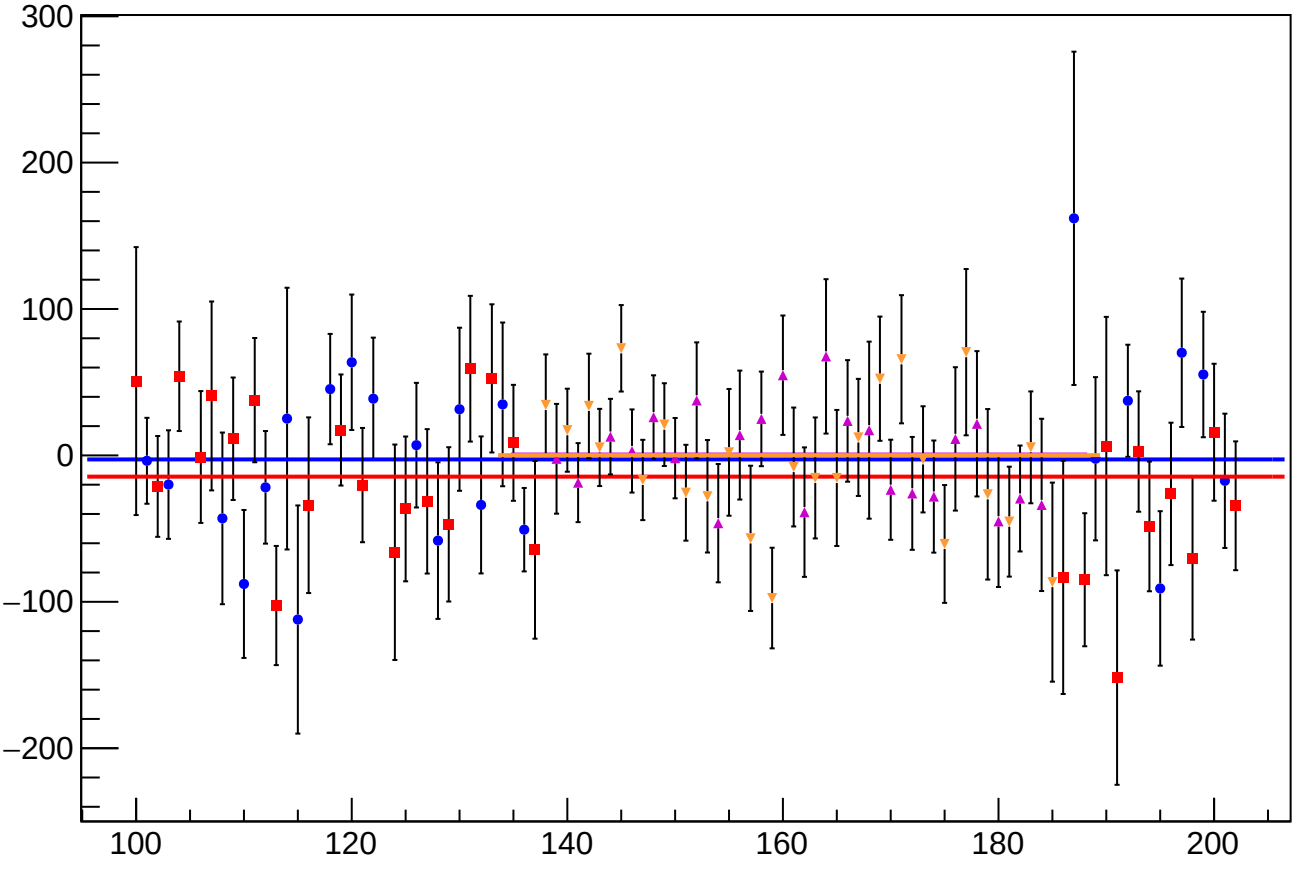
Right: 5109.995+/-0.762 χ^2/NDF: 6478256.9/51

In: 5089.618+/-0.717 χ^2/NDF:8729091.8/45

Out: 5250.057+/-0.701 χ^2/NDF:8240434.9/53

All: 5171.677+/-0.501 χ^2/NDF: 16995141.1/9

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -2.743+/-9.380 χ^2/NDF: 25.7/22

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.502+/-8.902 χ^2/NDF: 27.5/28

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

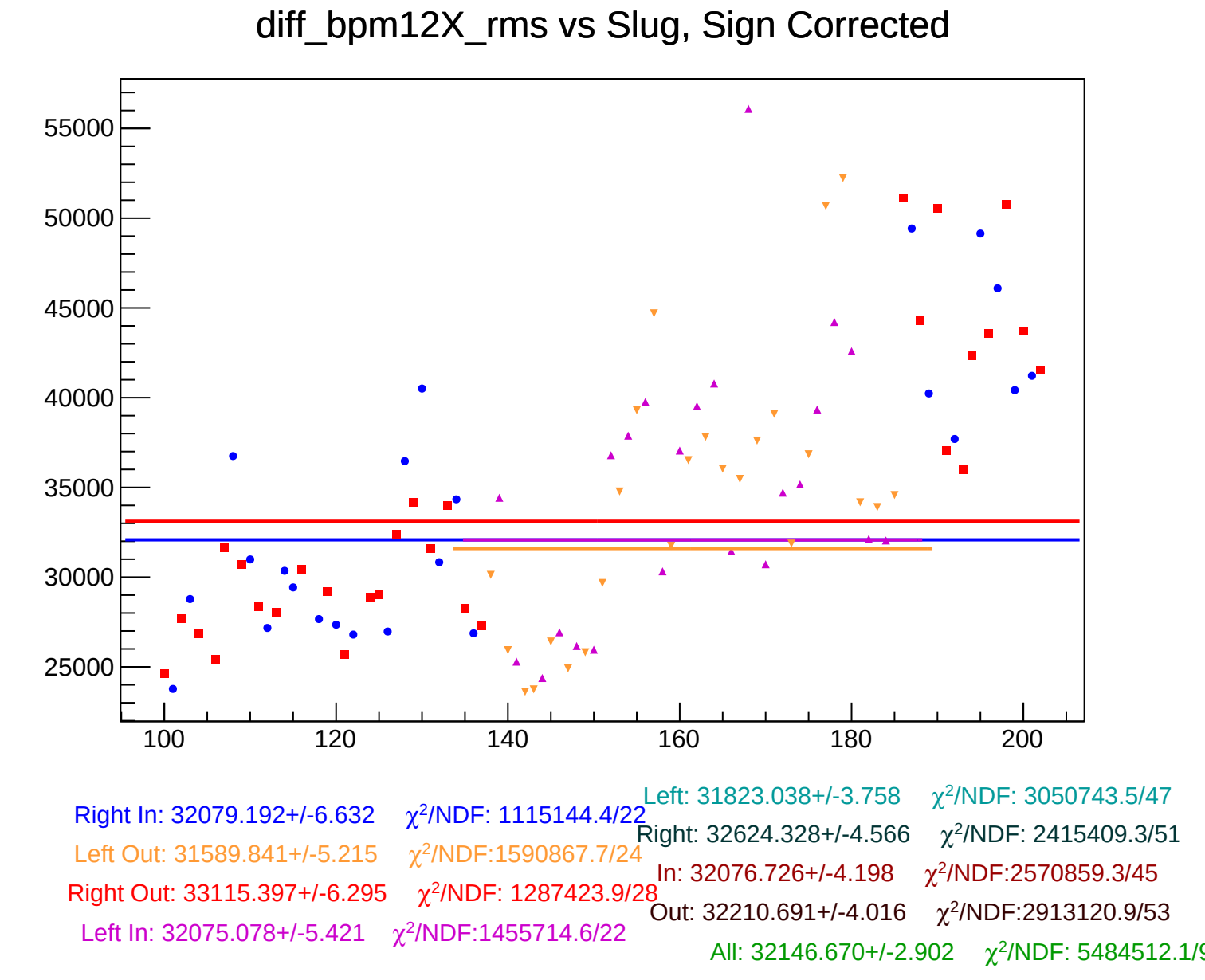
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

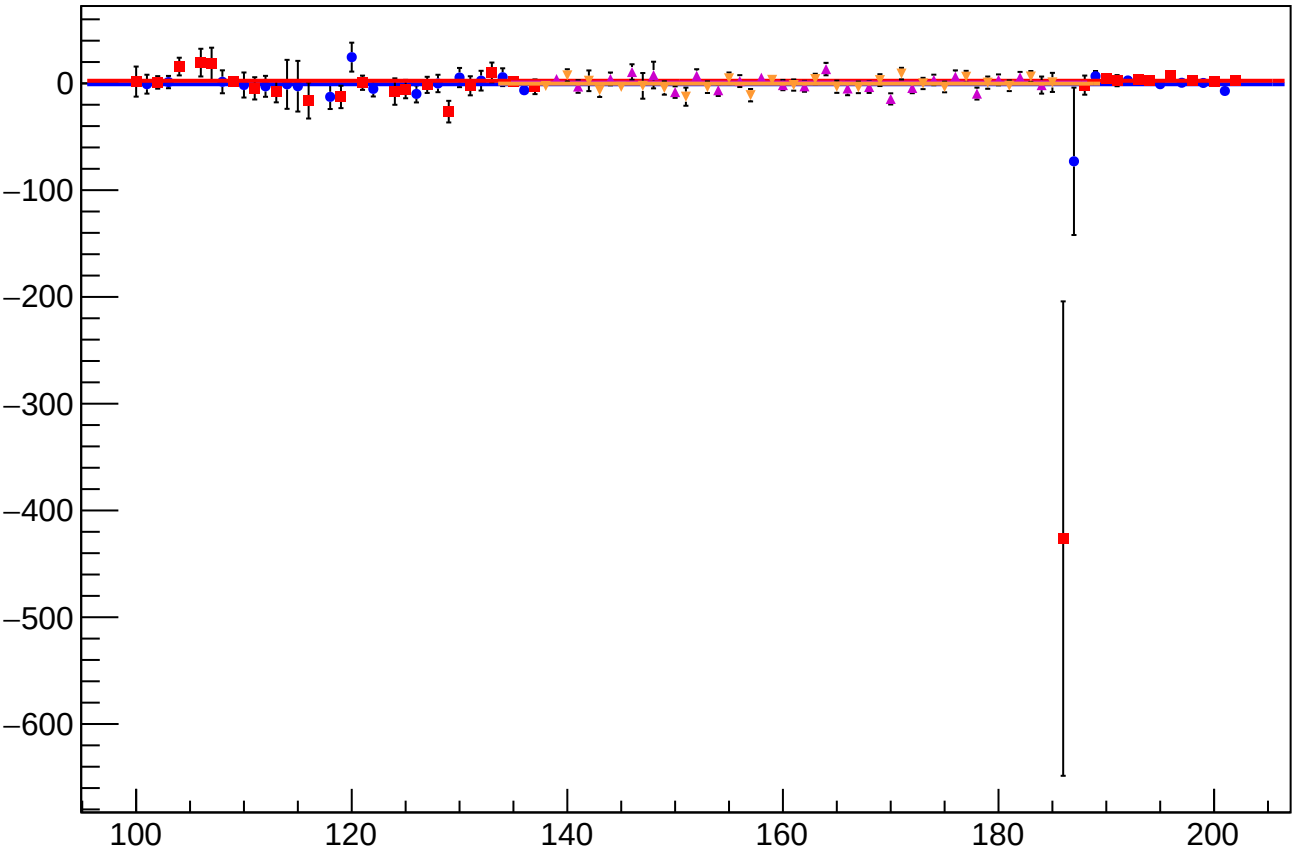
Right: -8.929+/-6.457 χ^2/NDF: 54.0/51

In: -0.747+/-5.936 χ^2/NDF:38.6/45

Out: -5.802+/-5.679 χ^2/NDF:60.2/53

All: -3.386+/-4.104 χ^2/NDF: 99.2/99


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32079.192+/-6.632 χ²/NDF: 1115144.4/22
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33115.397+/-6.295 χ²/NDF: 1287423.9/28
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32624.328+/-4.566 χ²/NDF: 2415409.3/51
In: 32076.726+/-4.198 χ²/NDF:2570859.3/45
Out: 32210.691+/-4.016 χ²/NDF:2913120.9/53
All: 32146.670+/-2.902 χ²/NDF: 5484512.1/9



Right In: -0.812+/-1.129 χ^2/NDF: 19.0/22

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 2.449+/-1.029 χ^2/NDF: 28.9/28

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

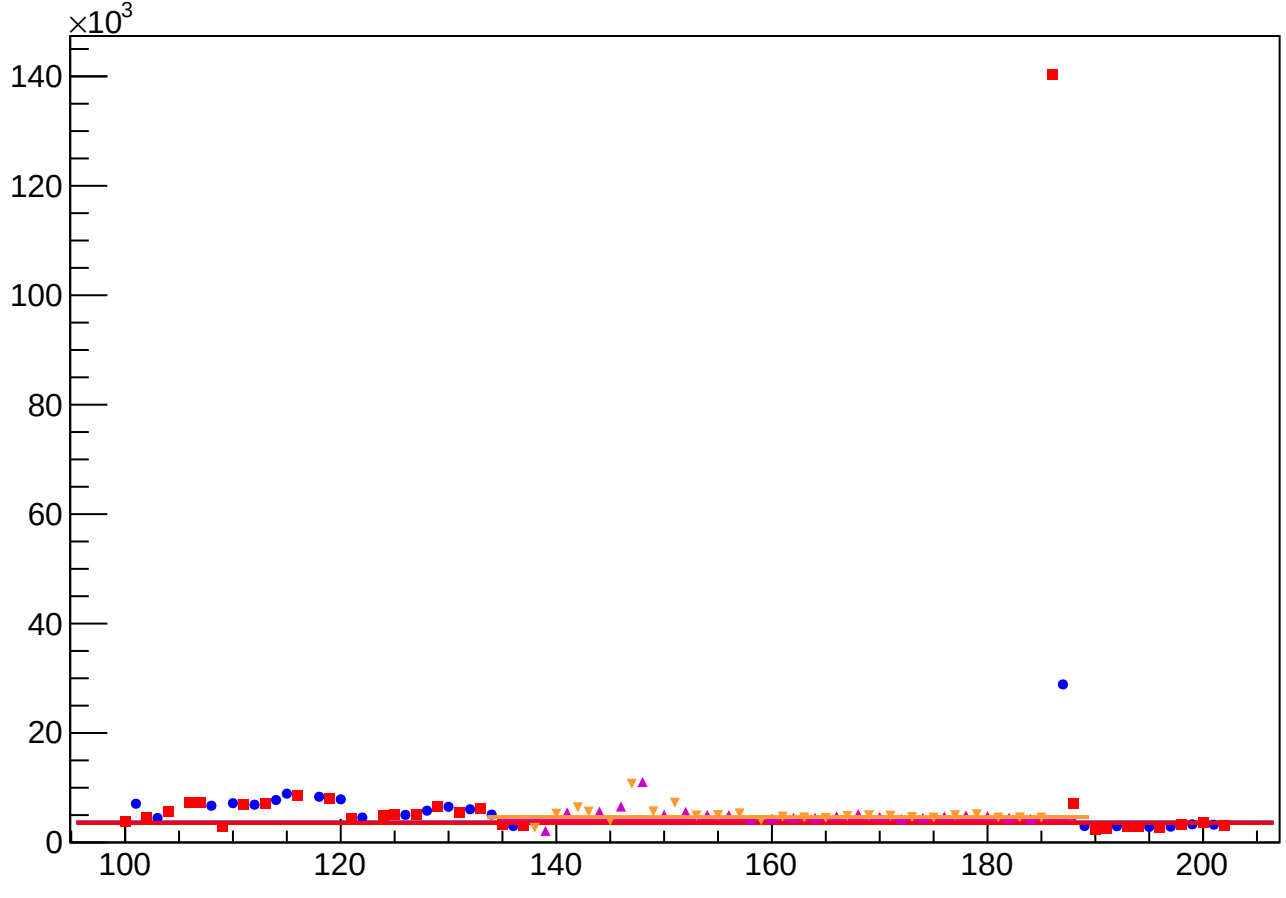
Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

Right: 0.969+/-0.761 χ^2/NDF: 52.4/51

In: 0.038+/-0.773 χ^2/NDF:53.8/45

Out: 1.193+/-0.750 χ^2/NDF:51.9/53

All: 0.633+/-0.538 χ^2/NDF: 106.9/99



Right In: 3661.408+/-0.798 χ^2/NDF: 3014337.0/22

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3568.604+/-0.728 χ^2/NDF: 3764749.6/28

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

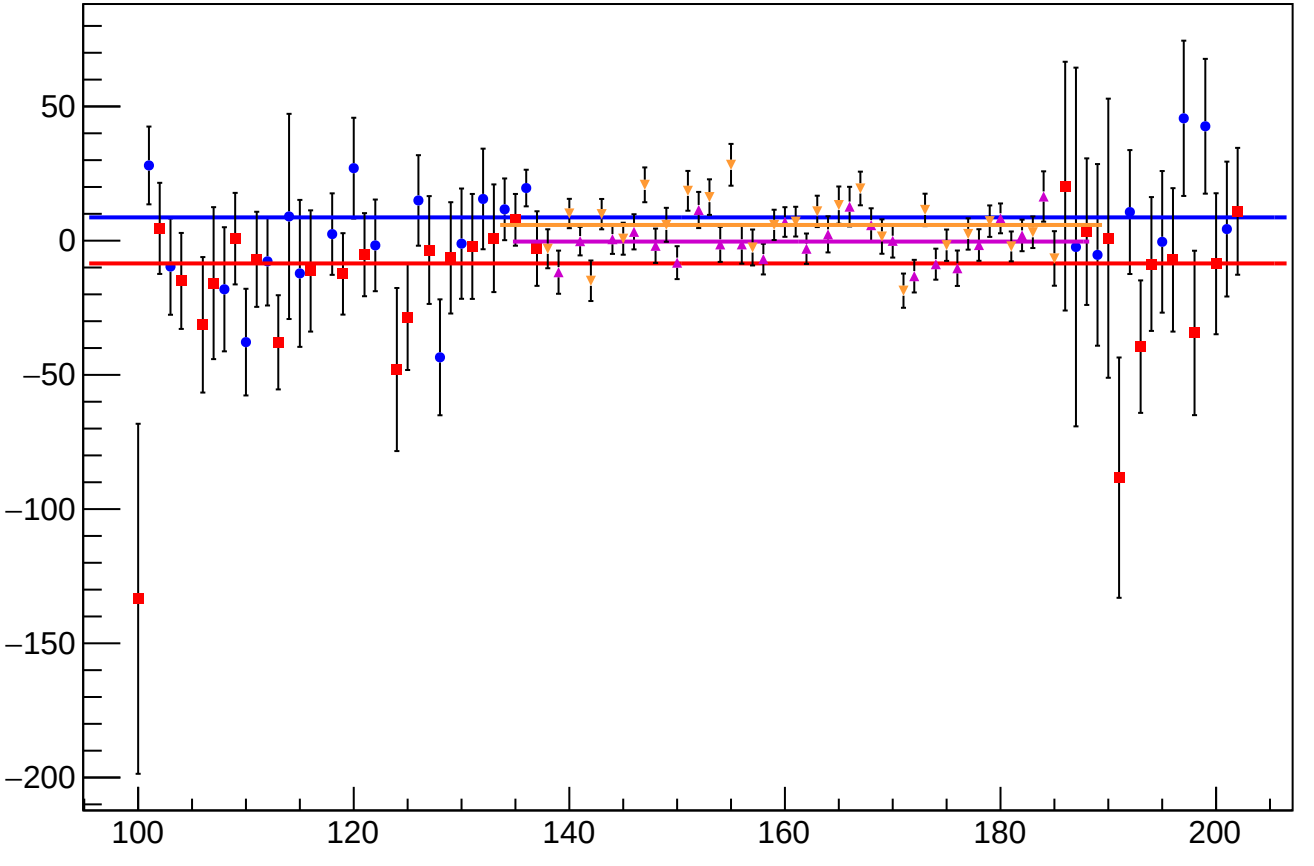
Right: 3610.733+/-0.538 χ^2/NDF: 6786466.3/51

In: 3997.996+/-0.547 χ^2/NDF:6444632.2/45

Out: 4070.529+/-0.530 χ^2/NDF:6540435.9/53

All: 4035.375+/-0.381 χ^2/NDF: 12994142.8/9

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 8.677+/-3.596 χ^2/NDF: 25.5/22

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -8.481+/-3.749 χ^2/NDF: 21.4/28

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

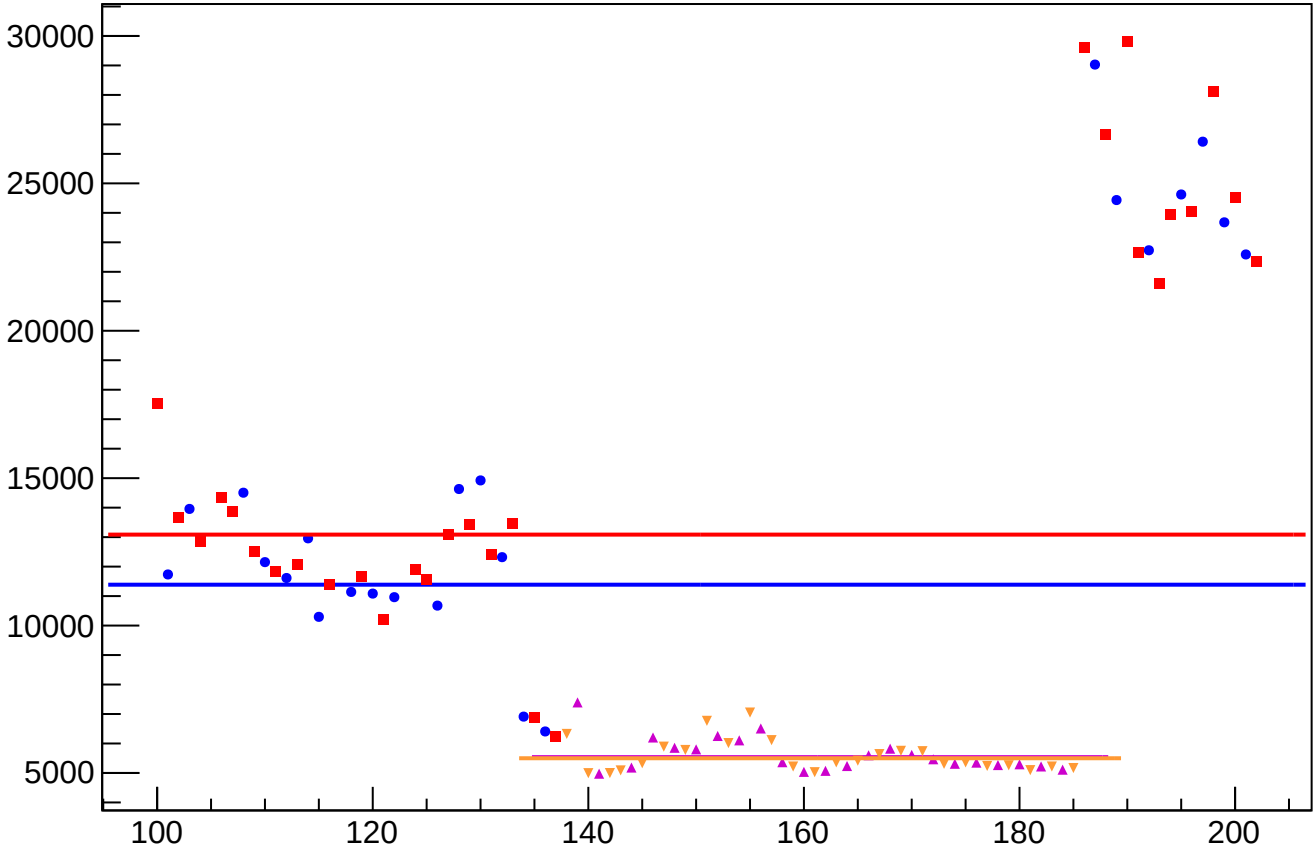
Right: 0.454+/-2.595 χ^2/NDF: 57.8/51

In: 0.706+/-1.223 χ^2/NDF:60.4/45

Out: 4.400+/-1.192 χ^2/NDF:94.6/53

All: 2.600+/-0.854 χ^2/NDF: 159.6/99

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 11386.352+/-2.543 χ^2/NDF: 4412552.6/22

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13085.334+/-2.651 χ^2/NDF: 4636260.3/28

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

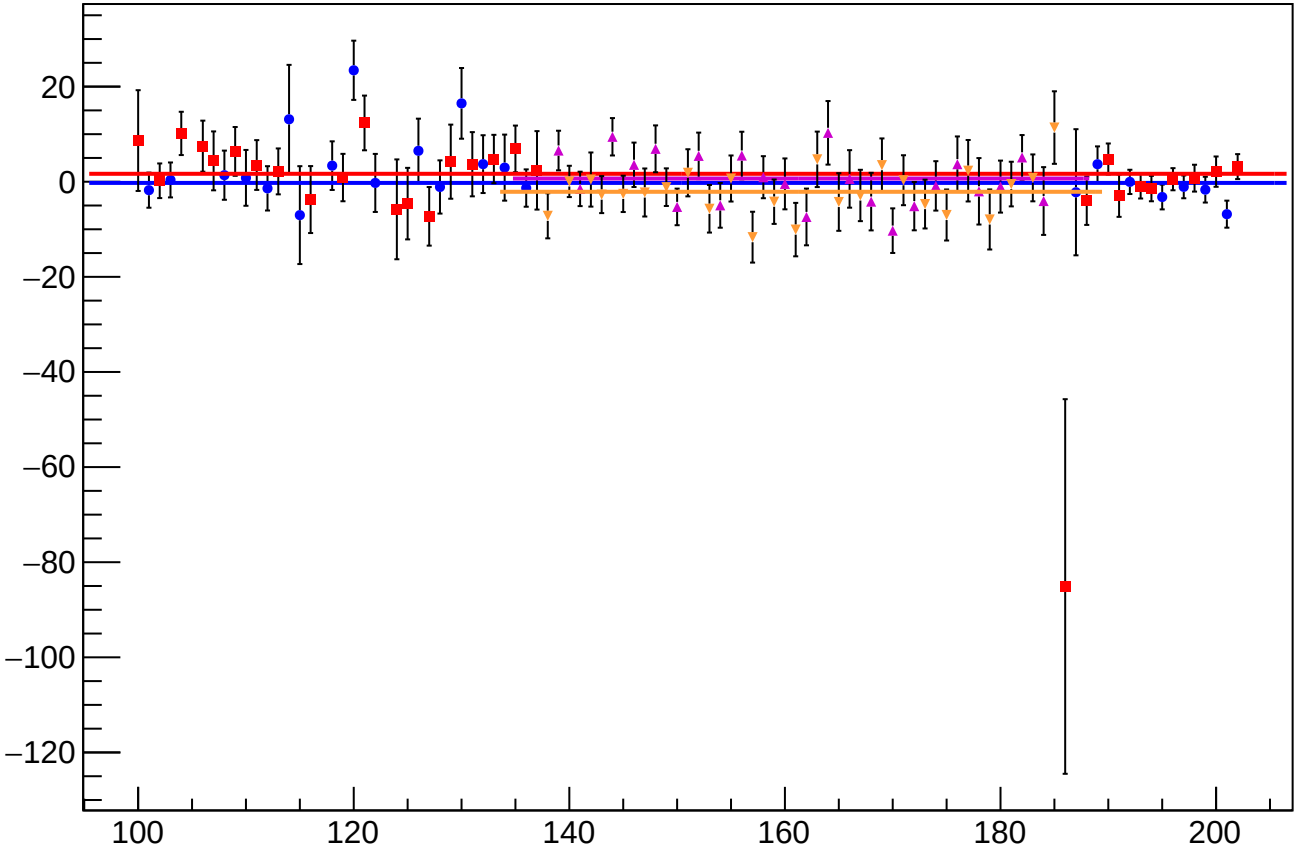
Right: 12200.551+/-1.835 χ^2/NDF: 9262710.7/51

In: 6214.364+/-0.865 χ^2/NDF:9393905.7/45

Out: 6266.268+/-0.843 χ^2/NDF:12294785.8/53

All: 6240.984+/-0.604 χ^2/NDF: 21690538.3/9

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.248+/-0.856 χ^2/NDF: 32.1/22

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.667+/-0.787 χ^2/NDF: 26.7/28

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

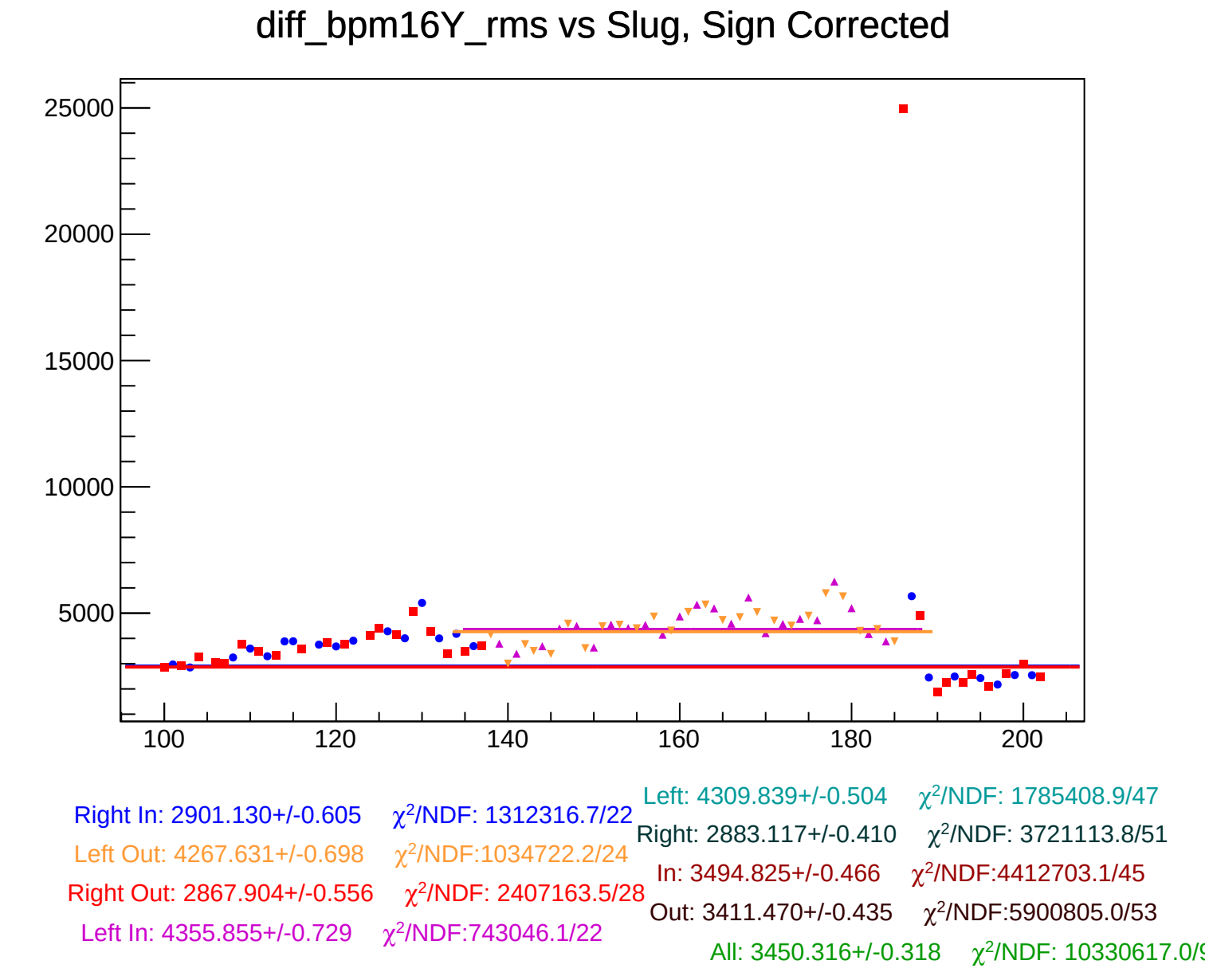
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

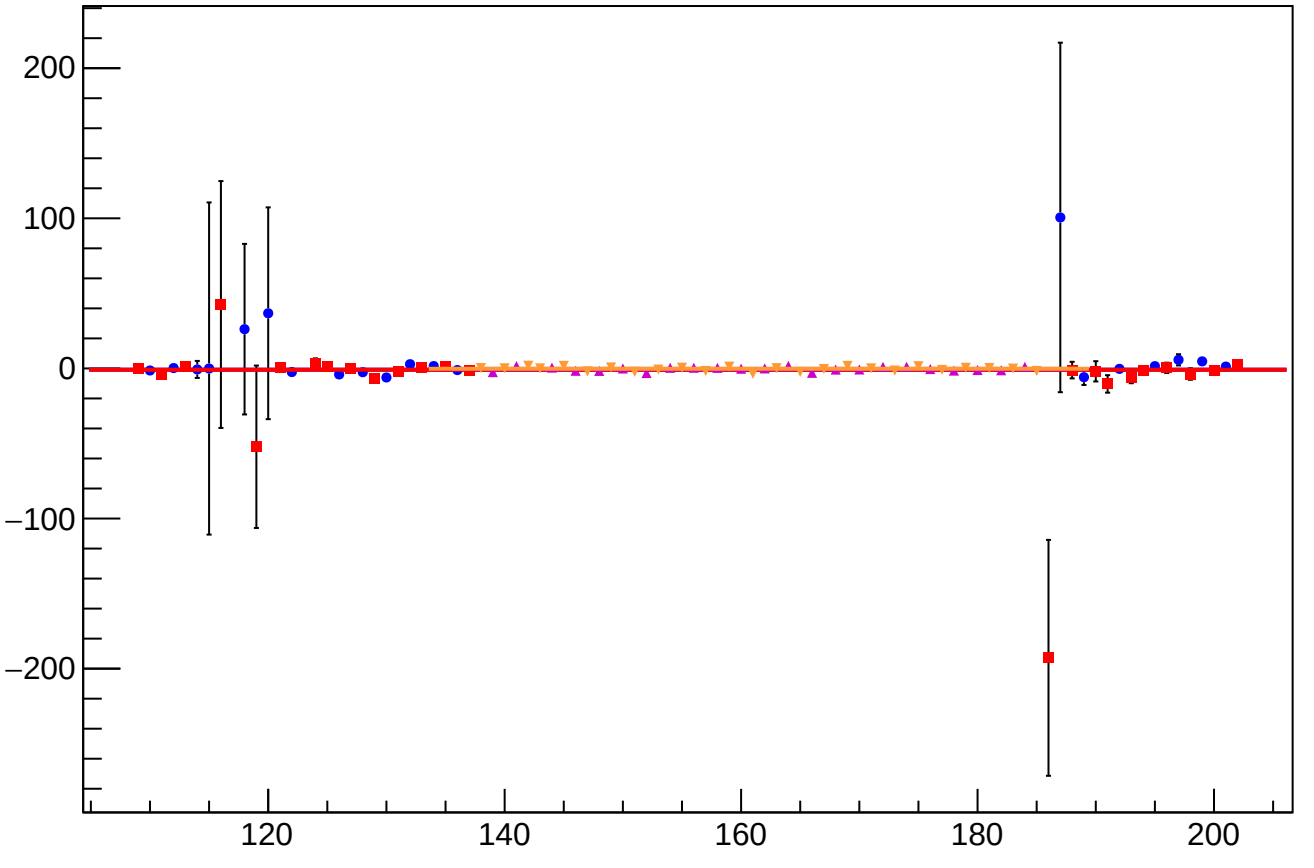
Right: 0.790+/-0.579 χ^2/NDF: 61.5/51

In: 0.127+/-0.659 χ^2/NDF:60.9/45

Out: 0.198+/-0.615 χ^2/NDF:53.1/53

All: 0.165+/-0.450 χ^2/NDF: 114.1/99


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 2901.130+/-0.605 χ²/NDF: 1312316.7/22
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 2867.904+/-0.556 χ²/NDF: 2407163.5/28
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2883.117+/-0.410 χ²/NDF: 3721113.8/51
In: 3494.825+/-0.466 χ²/NDF:4412703.1/45
Out: 3411.470+/-0.435 χ²/NDF:5900805.0/53
All: 3450.316+/-0.318 χ²/NDF: 10330617.0/9



Right In: -0.837+/-0.651 χ^2/NDF: 20.6/19

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.888+/-0.625 χ^2/NDF: 25.8/23

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

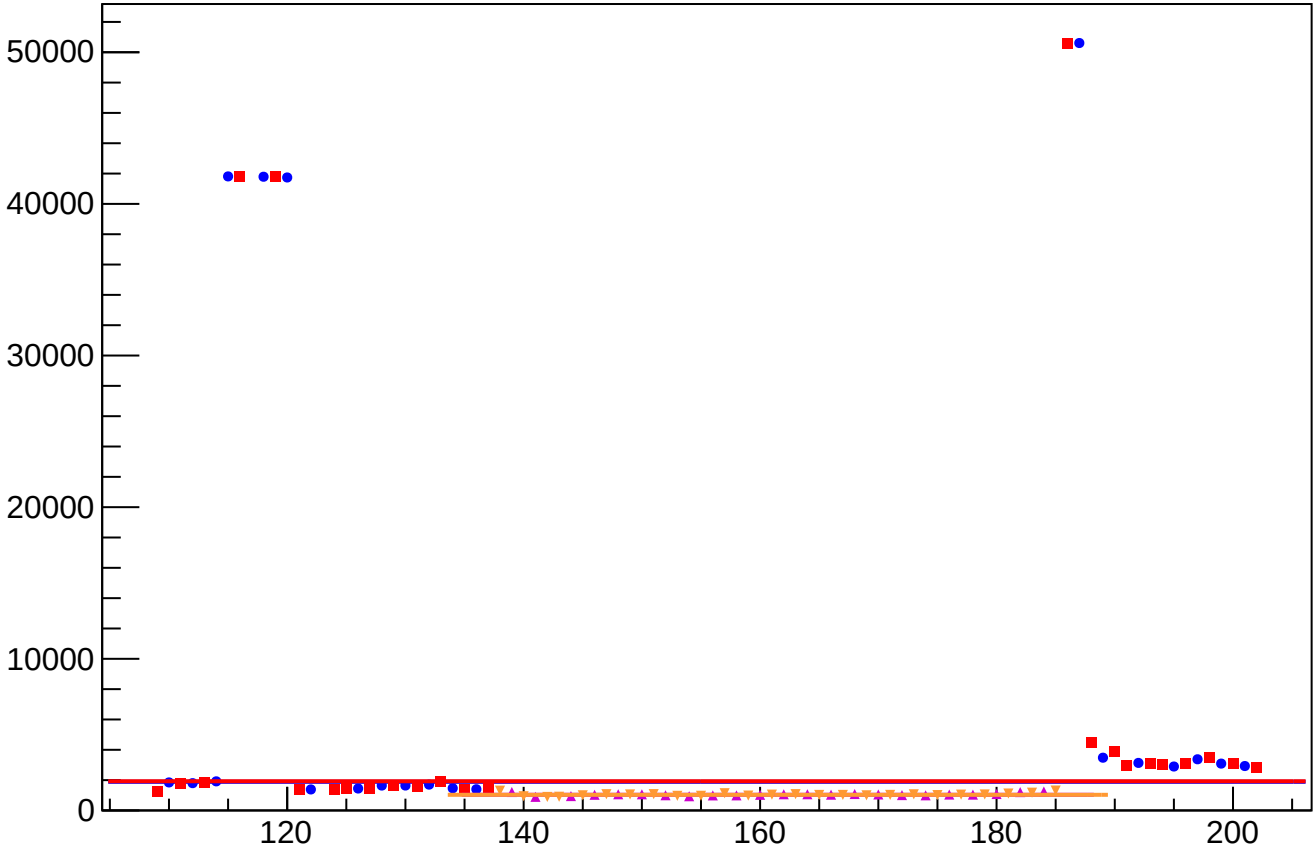
Right: -0.864+/-0.451 χ^2/NDF: 46.5/43

In: -0.395+/-0.227 χ^2/NDF:50.6/42

Out: -0.286+/-0.220 χ^2/NDF:60.8/48

All: -0.339+/-0.158 χ^2/NDF: 111.6/91

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1889.313+/-0.460 χ^2/NDF: 4252911.4/19

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1926.614+/-0.442 χ^2/NDF: 5263707.8/23

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

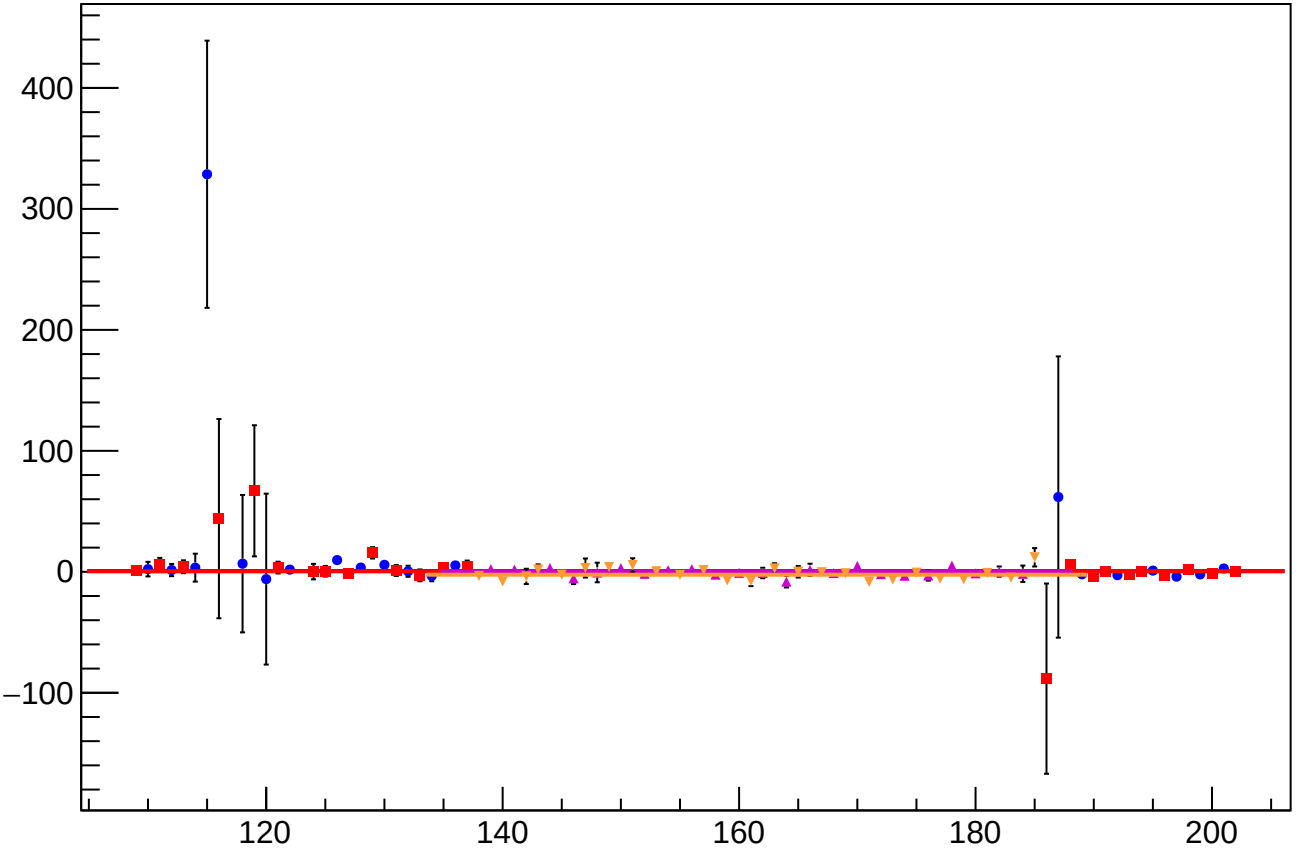
Right: 1908.729+/-0.319 χ^2/NDF: 9520037.6/43

In: 1136.850+/-0.160 χ^2/NDF:7482330.9/42

Out: 1142.845+/-0.156 χ^2/NDF:9102902.0/48

All: 1139.936+/-0.112 χ^2/NDF: 16585951.2/9

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 0.603+/-0.734 χ^2/NDF: 32.3/19

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 0.464+/-0.685 χ^2/NDF: 27.5/23

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

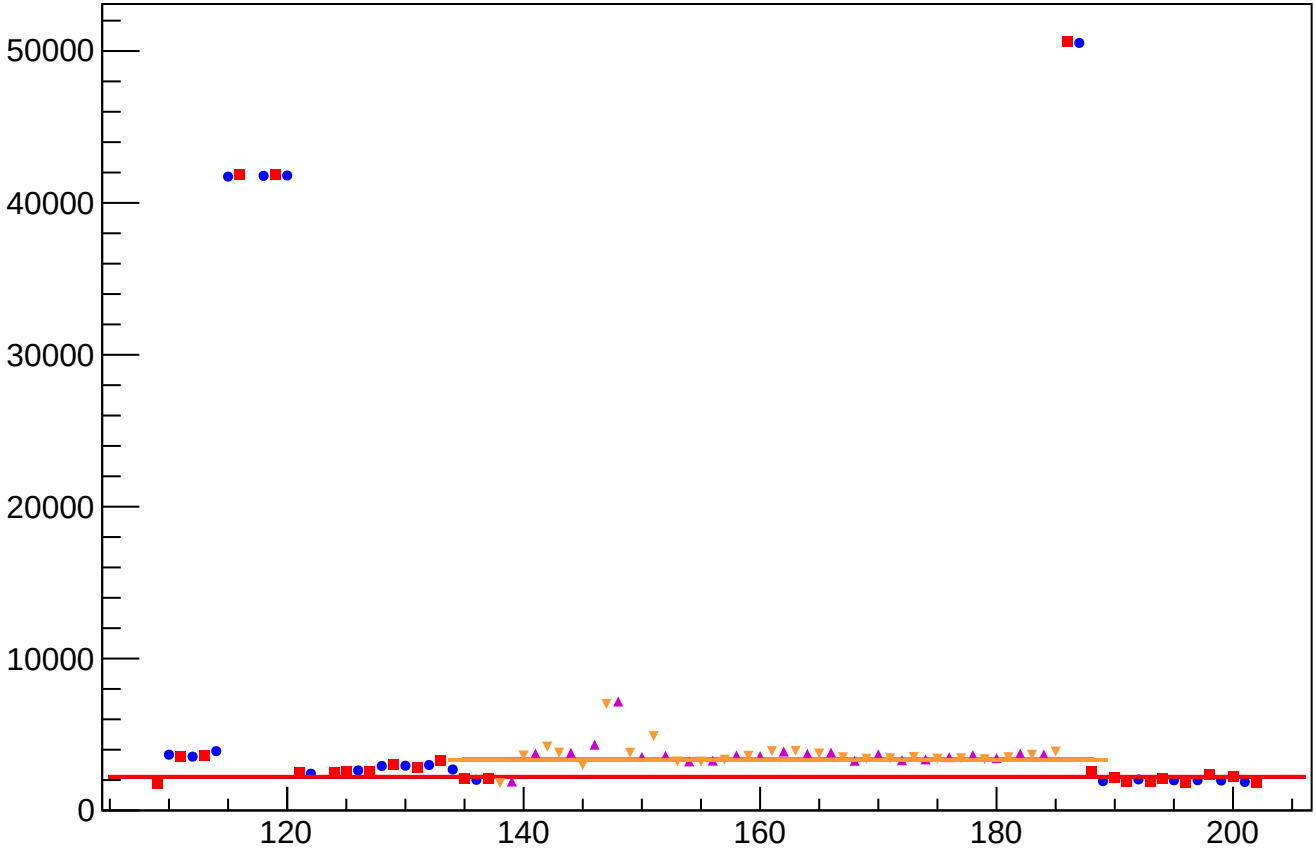
Right: 0.529+/-0.501 χ^2/NDF: 59.8/43

In: 0.408+/-0.544 χ^2/NDF:45.1/42

Out: -0.771+/-0.515 χ^2/NDF:59.3/48

All: -0.213+/-0.374 χ^2/NDF: 106.9/91

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2203.898+/-0.519 χ^2/NDF: 2902440.1/19

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2212.387+/-0.484 χ^2/NDF: 3048989.4/23

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

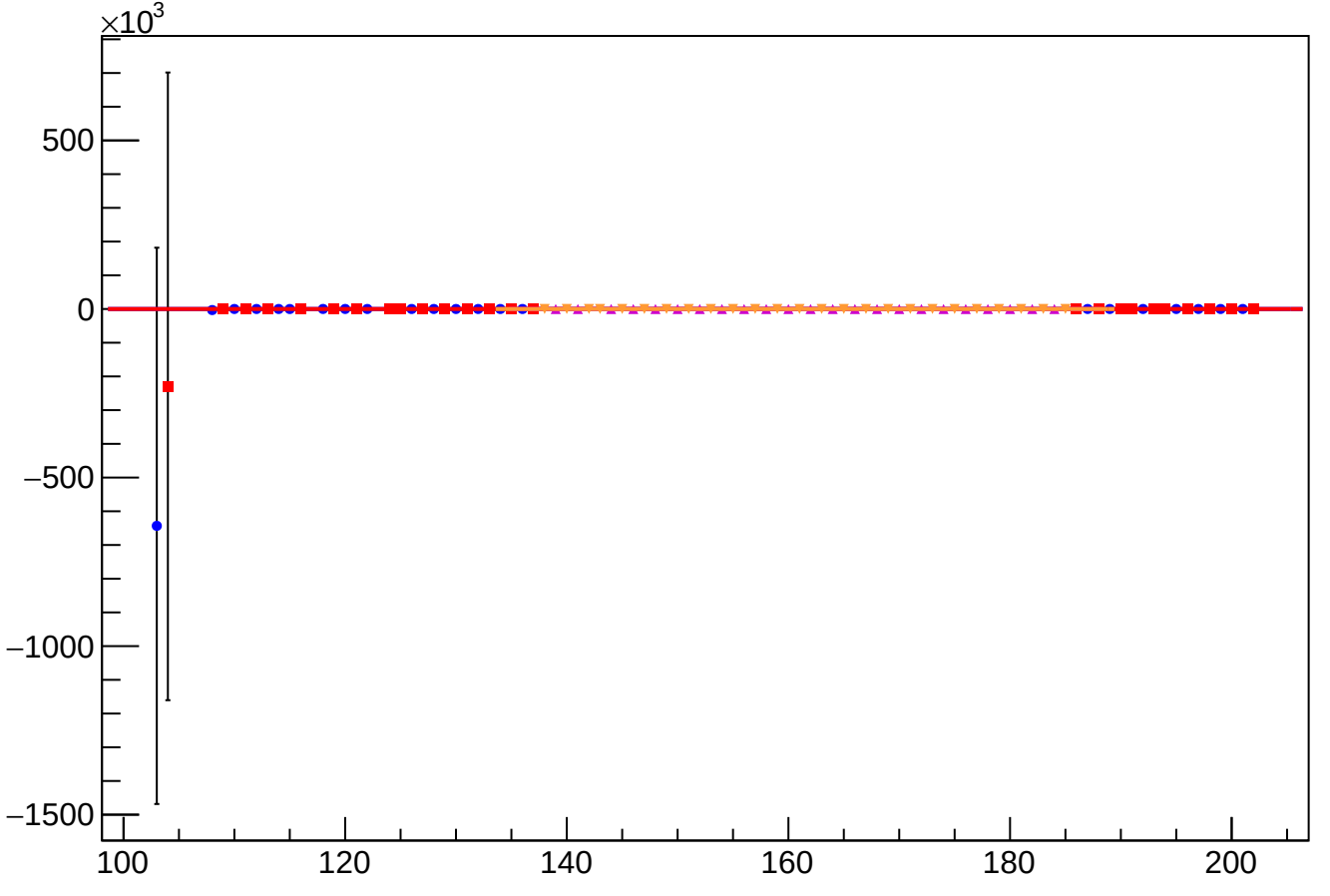
Right: 2208.436+/-0.354 χ^2/NDF: 5951572.4/43

In: 2726.043+/-0.385 χ^2/NDF:6792512.1/42

Out: 2696.937+/-0.364 χ^2/NDF:7267970.0/48

All: 2710.707+/-0.265 χ^2/NDF: 14063499.8/9

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.299+/-0.712 χ^2/NDF: 22.8/21

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 1.837+/-0.679 χ^2/NDF: 23.3/24

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

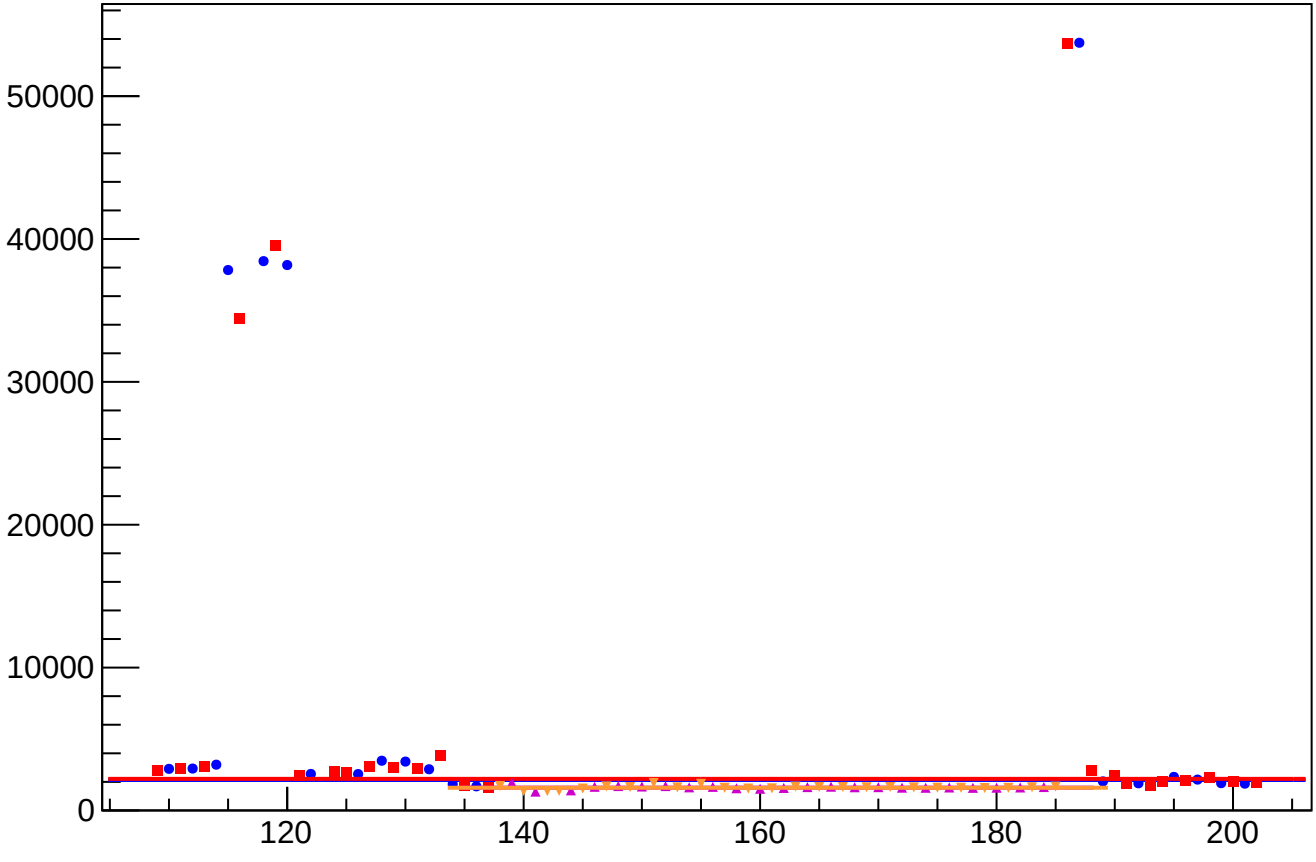
Right: 0.344+/-0.491 χ^2/NDF: 56.3/46

In: -0.295+/-0.331 χ^2/NDF:52.7/44

Out: -0.815+/-0.320 χ^2/NDF:93.2/49

All: -0.564+/-0.230 χ^2/NDF: 147.2/94

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2134.928+/-0.504 χ^2/NDF: 2965140.5/19

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2211.537+/-0.480 χ^2/NDF: 3214378.4/23

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

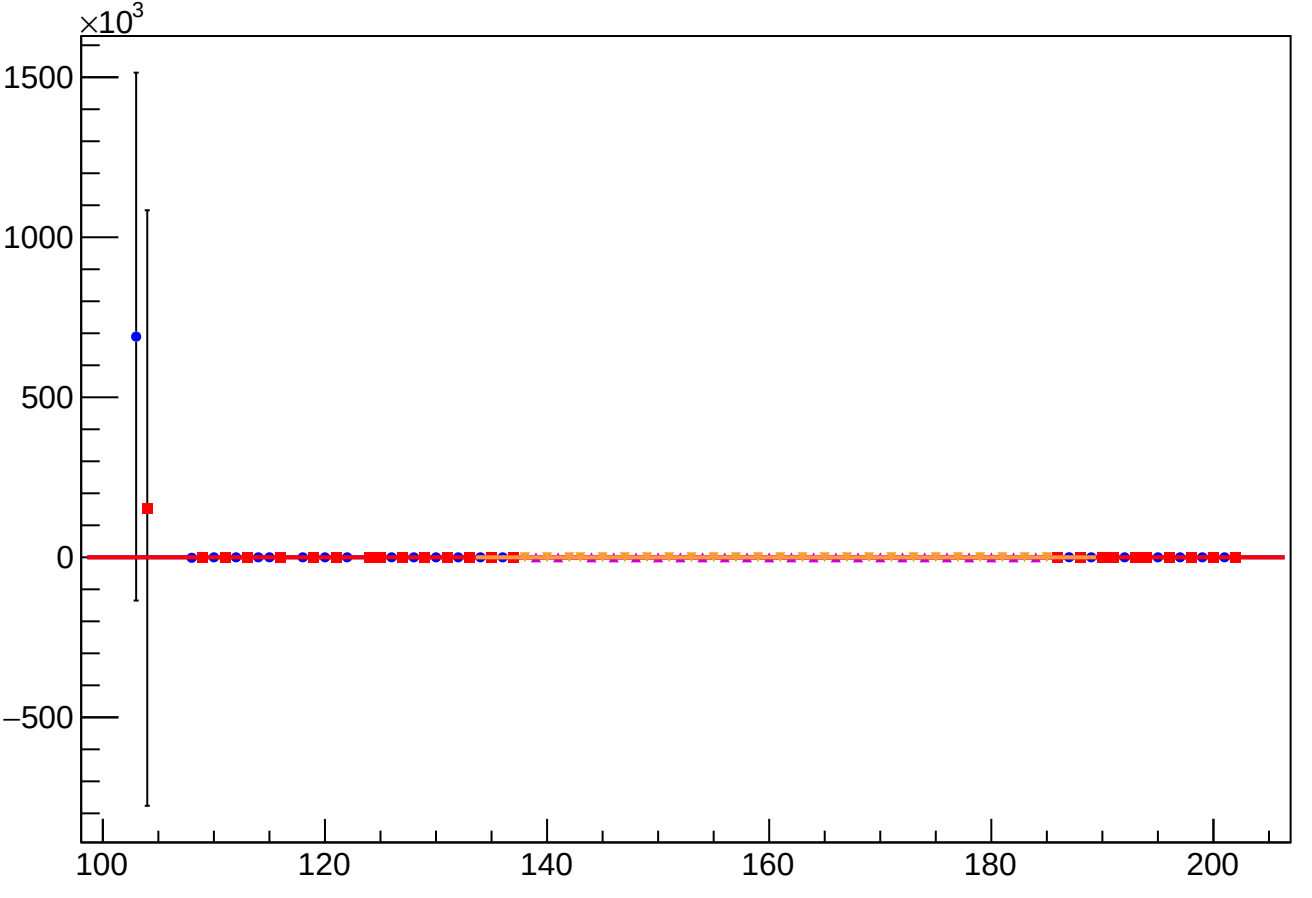
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2175.066+/-0.347 χ^2/NDF: 6191644.9/43

In: 1712.864+/-0.234 χ^2/NDF:4058678.9/42

Out: 1727.749+/-0.226 χ^2/NDF:4752976.2/48

All: 1720.566+/-0.163 χ^2/NDF: 8813742.6/91



Right In: 0.609+/-0.618 χ^2/NDF: 14.7/21

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.088+/-0.570 χ^2/NDF: 26.5/24

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

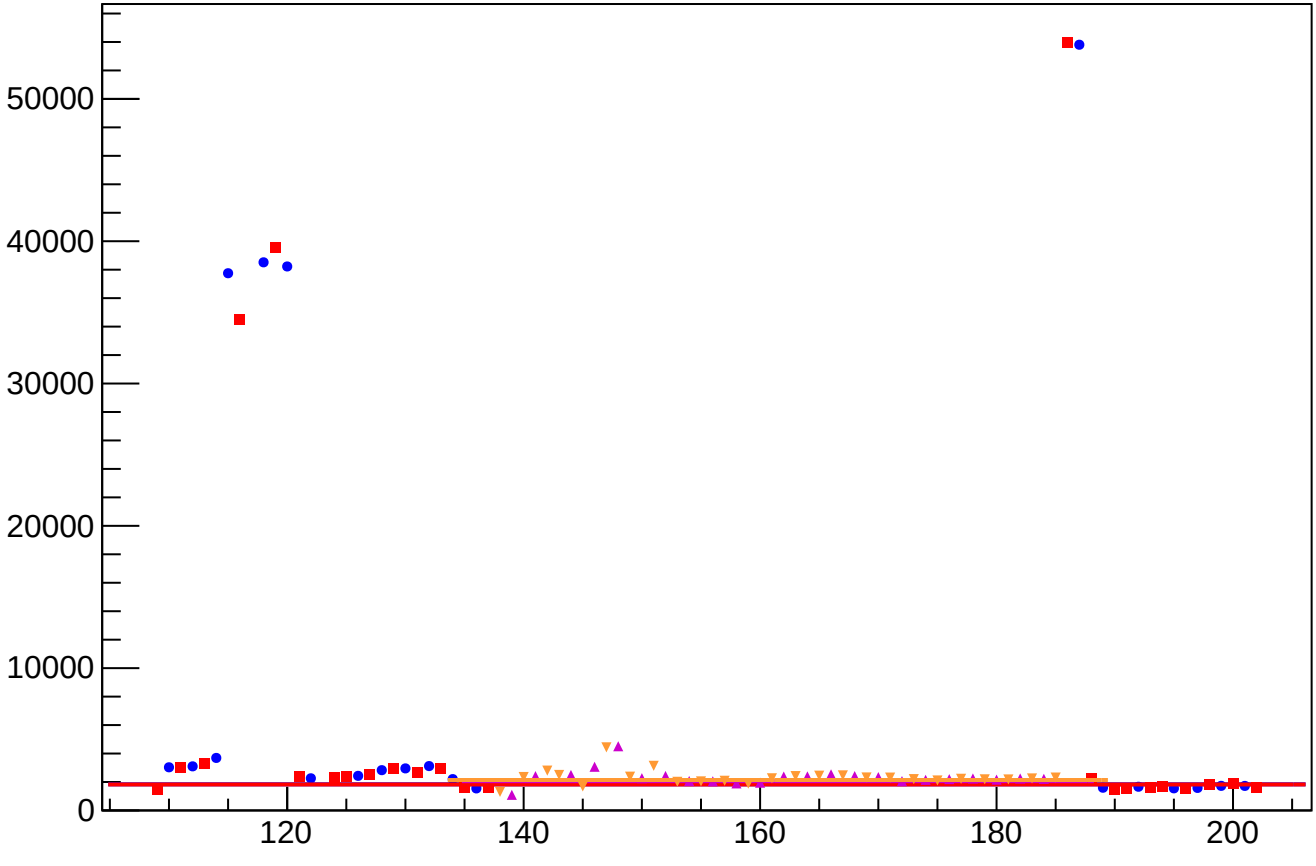
Right: 0.232+/-0.419 χ^2/NDF: 41.9/46

In: 0.166+/-0.389 χ^2/NDF:32.5/44

Out: -0.703+/-0.377 χ^2/NDF:52.9/49

All: -0.282+/-0.271 χ^2/NDF: 88.0/94

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1836.317+/-0.437 χ^2/NDF: 3287410.8/19

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1826.010+/-0.403 χ^2/NDF: 3433527.0/23

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

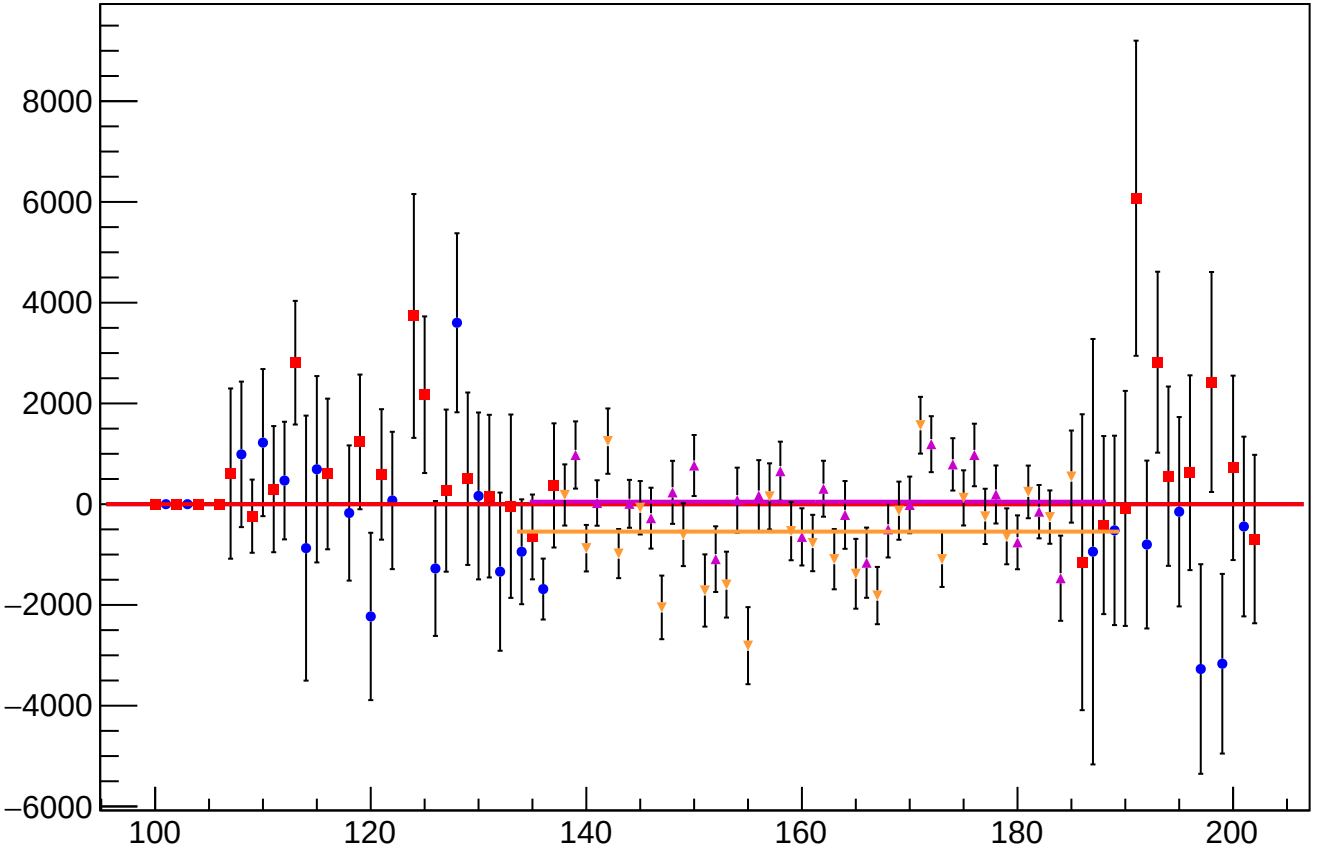
Right: 1830.748+/-0.296 χ^2/NDF: 6721238.0/43

In: 1970.228+/-0.275 χ^2/NDF:5736431.7/42

Out: 2002.386+/-0.267 χ^2/NDF:5253130.2/48

All: 1986.825+/-0.192 χ^2/NDF: 10996602.2/9

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 23.8/22

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 23.6/28

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

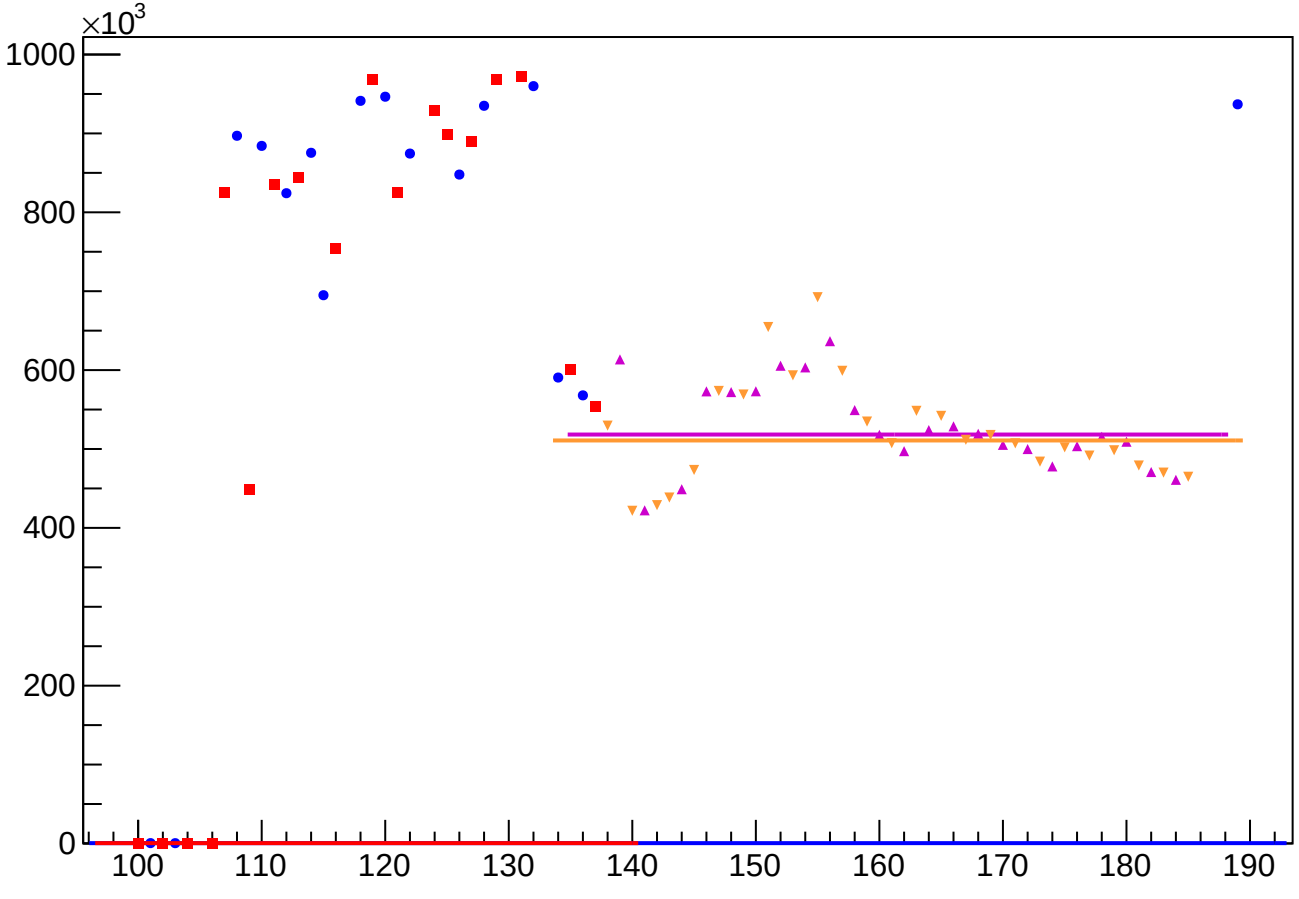
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 47.9/51

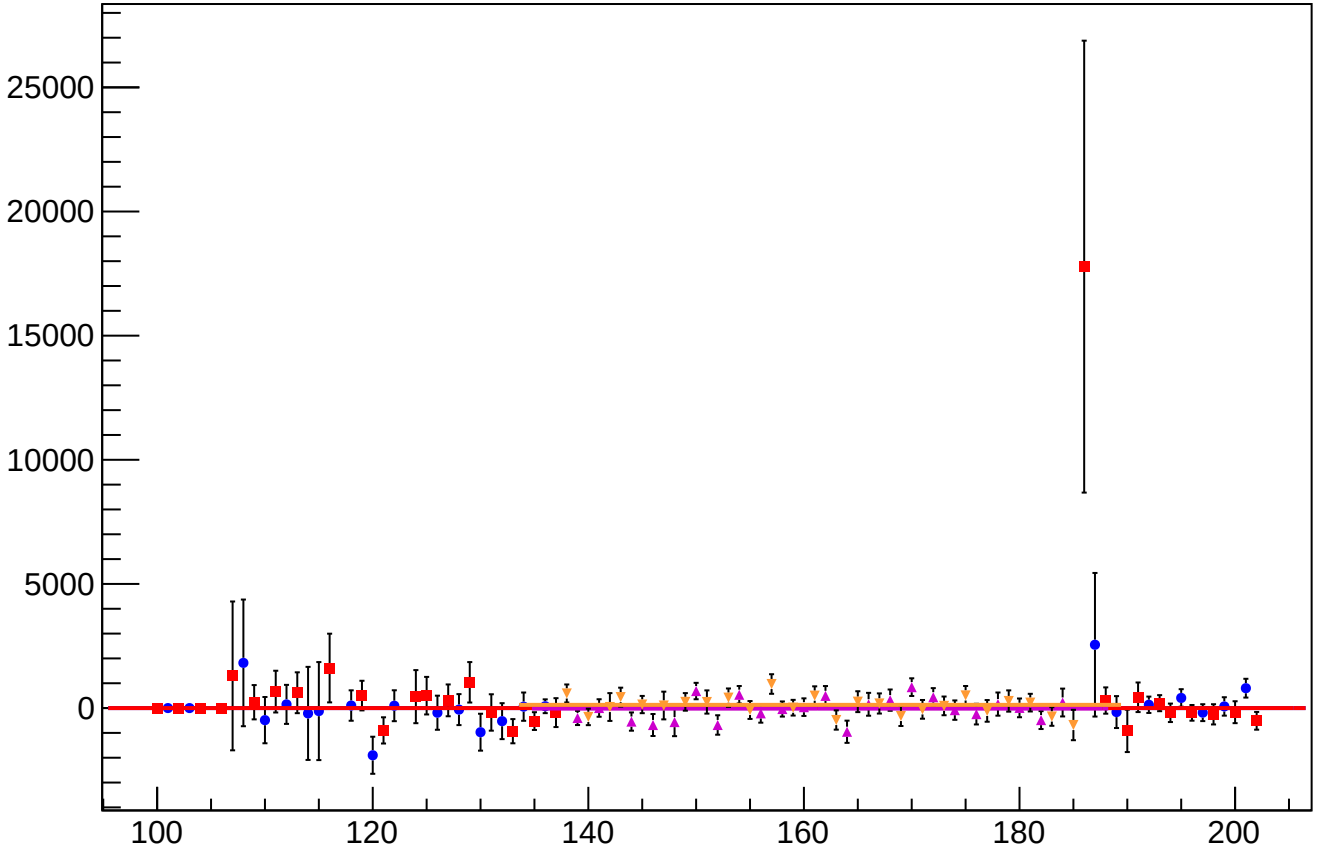
In: 0.255+/-0.356 χ^2/NDF:51.9/45

Out: -0.100+/-0.328 χ^2/NDF:106.1/53

All: 0.063+/-0.241 χ^2/NDF: 158.5/99


diff_cav4bX_rms vs Slug, Sign Corrected
×10^3
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 398.894+/-0.251 χ²/NDF: 8685185.3/15
Left Out: 510811.545+/-82.841 χ²/NDF:509606.7/24
Right Out: 393.240+/-0.232 χ²/NDF: 7648578.2/17
Left In: 518313.411+/-86.219 χ²/NDF:399884.6/22
Left: 514412.615+/-59.736 χ²/NDF: 913427.9/47
Right: 395.837+/-0.170 χ²/NDF: 16334036.8/33
In: 403.300+/-0.251 χ²/NDF:45168150.0/38
Out: 397.235+/-0.232 χ²/NDF:46121298.2/42
All: 400.021+/-0.170 χ²/NDF: 91289762.7/81

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.347 χ^2/NDF: 17.6/22

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 24.4/28

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

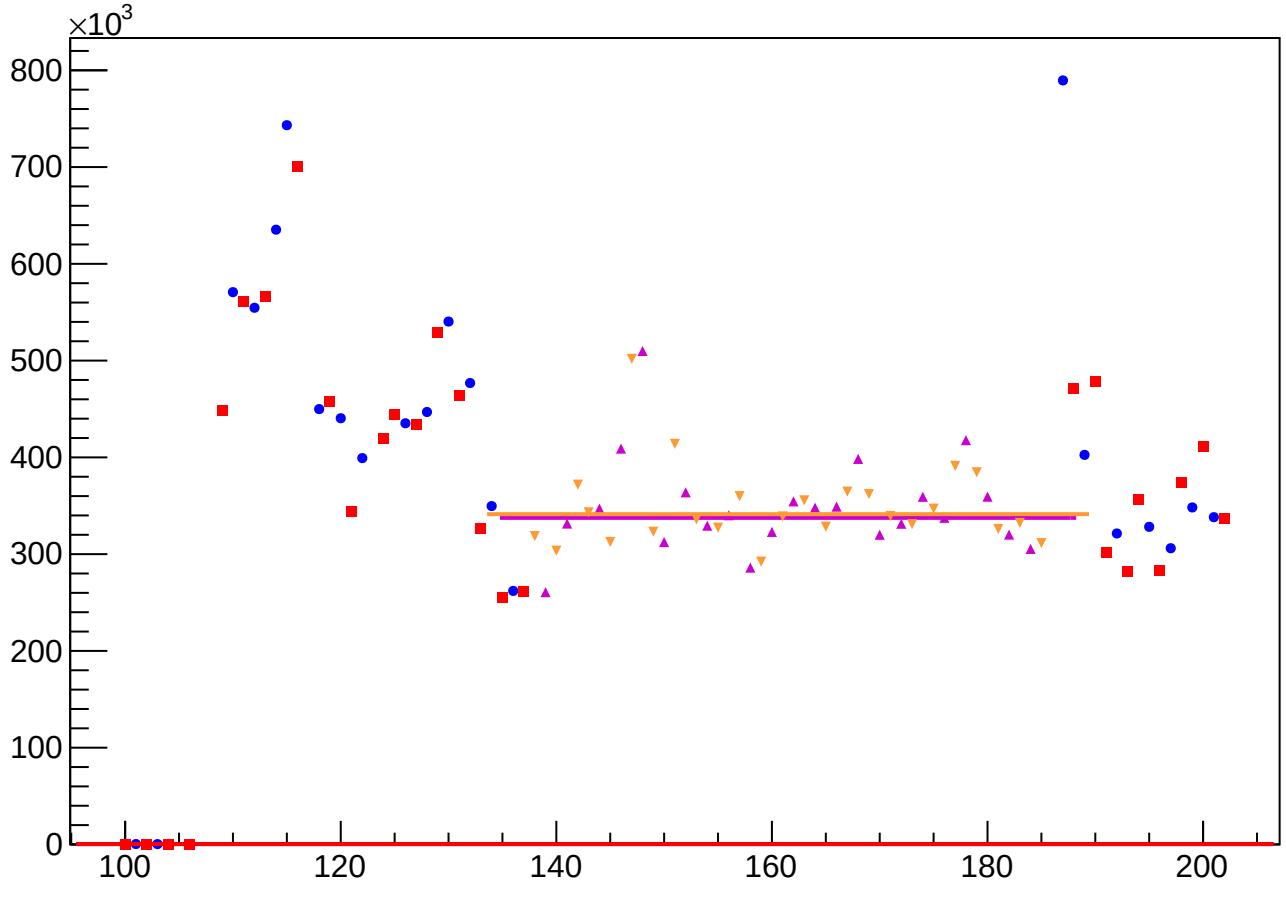
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 43.5/51

In: -0.020+/-0.347 χ^2/NDF:51.4/45

Out: -0.597+/-0.324 χ^2/NDF:47.3/53

All: -0.329+/-0.237 χ^2/NDF: 100.1/99



Right In: 391.973+/-0.245 χ^2/NDF: 20522825.2/21

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.896+/-0.229 χ^2/NDF: 23887681.2/26

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

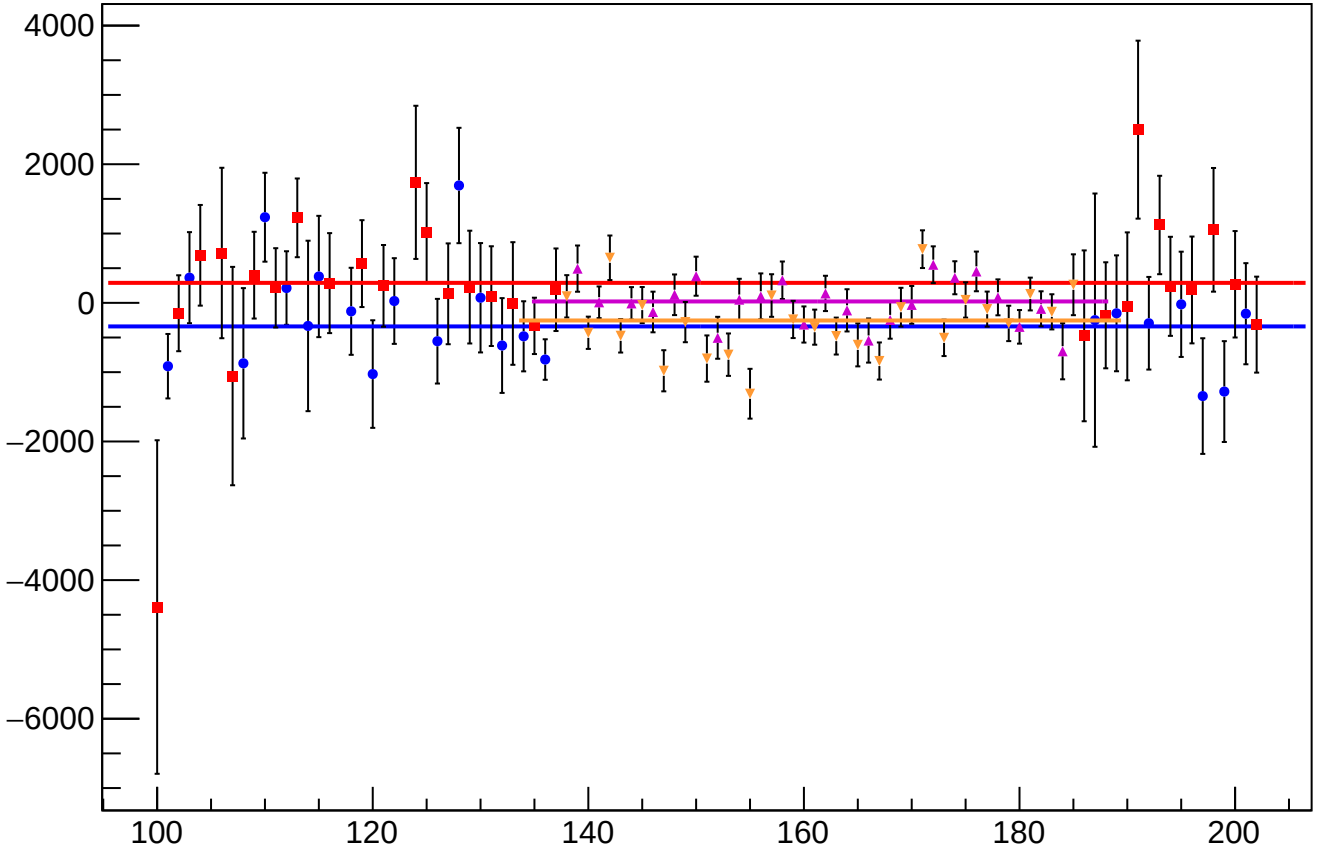
Right: 390.863+/-0.167 χ^2/NDF: 44410544.7/48

In: 398.356+/-0.245 χ^2/NDF:56841086.1/44

Out: 395.734+/-0.229 χ^2/NDF:62258773.2/51

All: 396.954+/-0.167 χ^2/NDF: 119099920.4/9

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -340.029+/-132.503 χ^2/NDF: 24.7/22

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 288.396+/-134.468 χ^2/NDF: 20.6/28

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

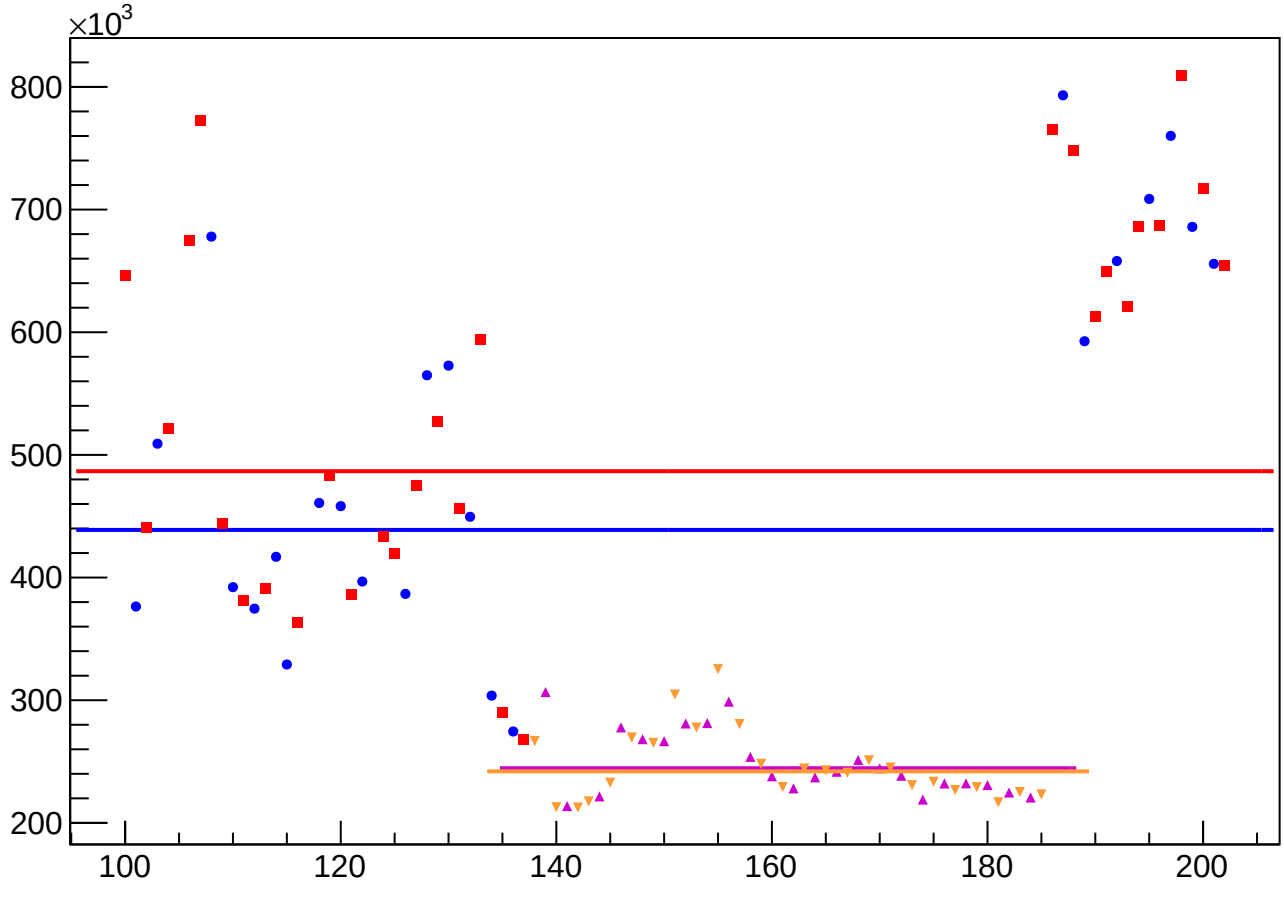
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -30.442+/-94.381 χ^2/NDF: 56.4/51

In: -36.880+/-52.735 χ^2/NDF:59.5/45

Out: -175.568+/-51.237 χ^2/NDF:95.8/53

All: -108.222+/-36.748 χ^2/NDF: 158.9/99



Right In: 438850.507+/-93.715 χ^2/NDF: 2447553.3/22

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 486707.826+/-95.208 χ^2/NDF: 2486627.6/28

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

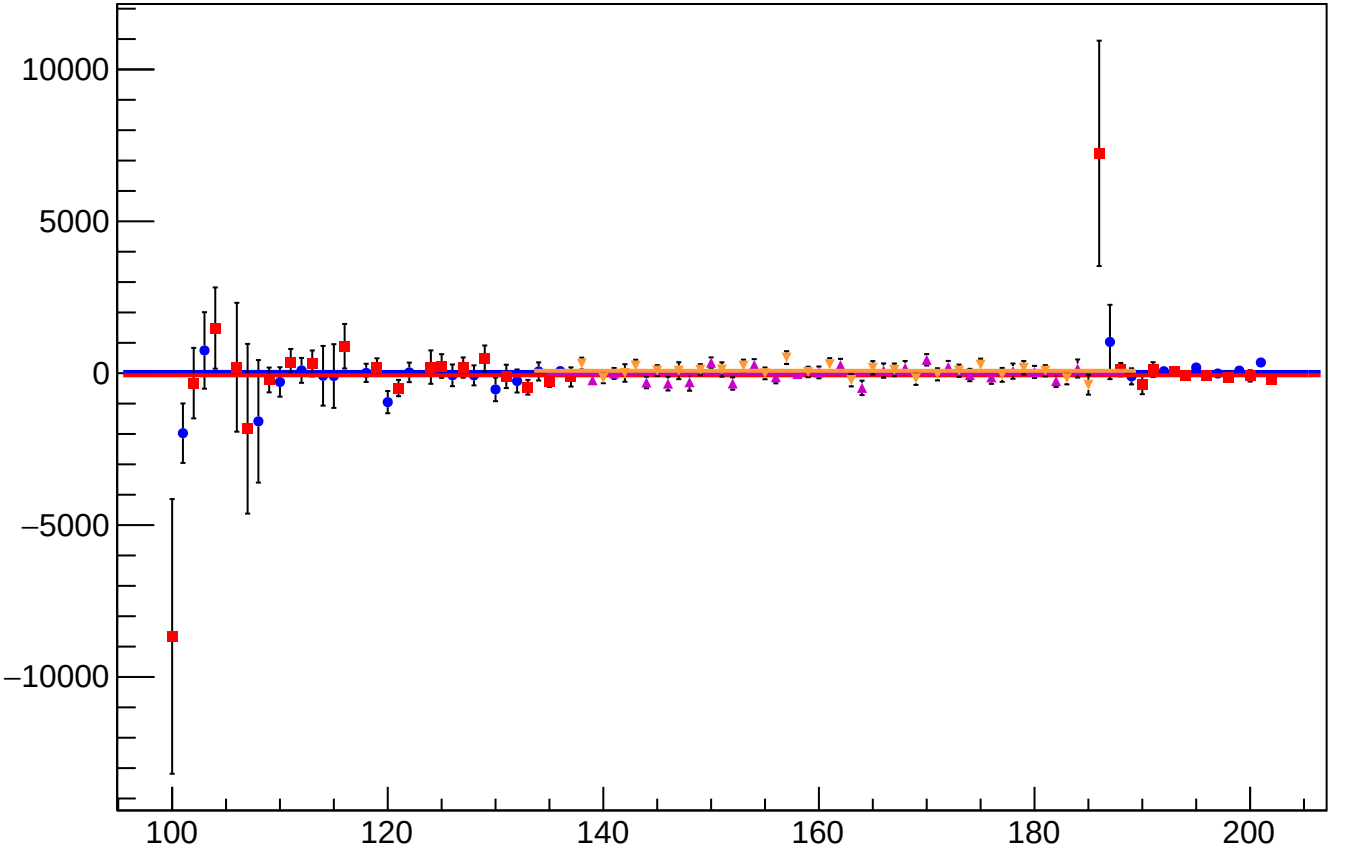
Right: 462400.786+/-66.788 χ^2/NDF: 5062511.5/51

In: 275308.987+/-37.291 χ^2/NDF:6427376.1/45

Out: 277455.992+/-36.237 χ^2/NDF:8548599.8/53

All: 276413.254+/-25.988 χ^2/NDF: 1497768

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: 41.778+/-51.106 χ^2/NDF: 22.1/22

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -68.602+/-47.085 χ^2/NDF: 26.9/28

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

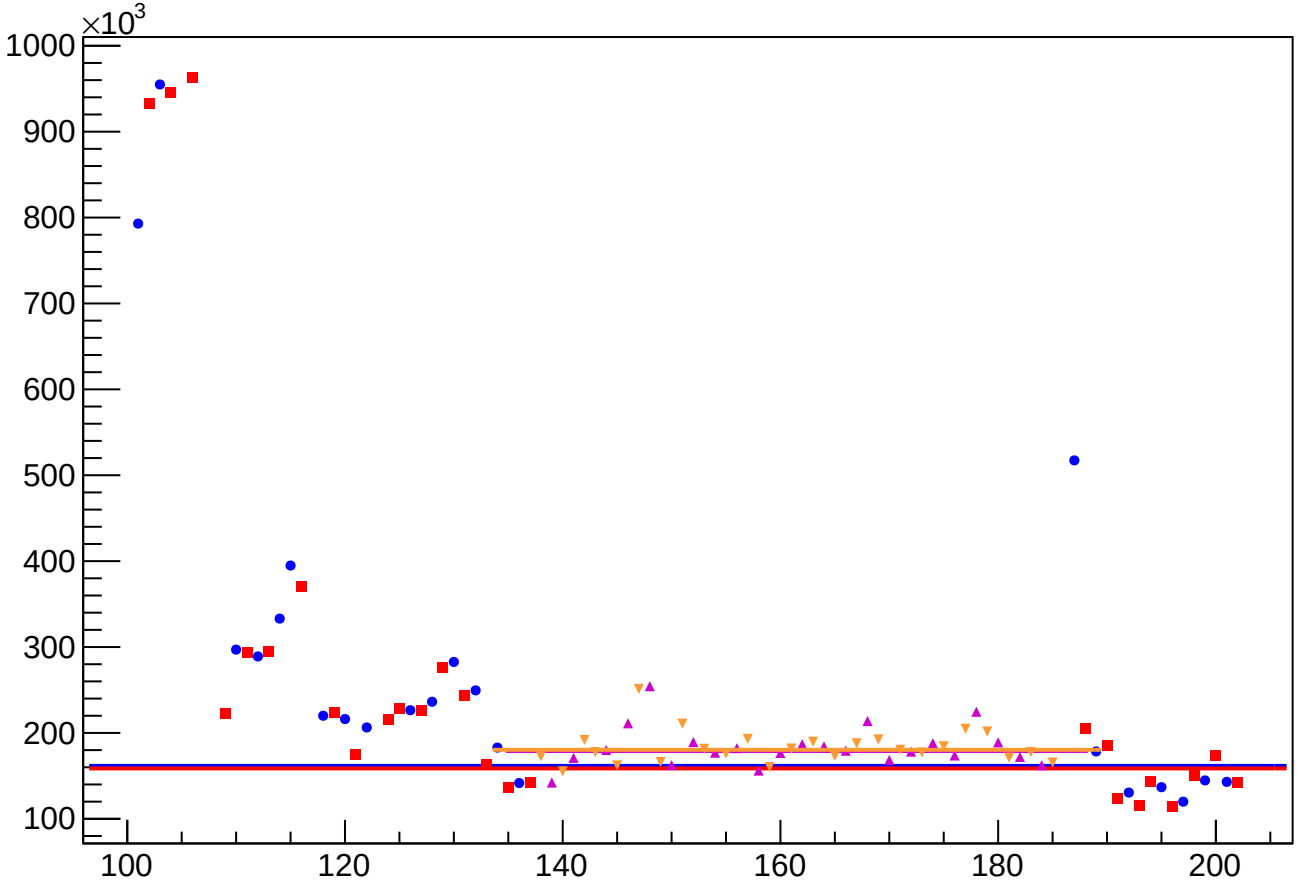
Right: -17.925+/-34.628 χ^2/NDF: 51.5/51

In: 8.615+/-32.555 χ^2/NDF:56.0/45

Out: 15.097+/-31.049 χ^2/NDF:52.2/53

All: 12.009+/-22.469 χ^2/NDF: 108.2/99

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 161598.671+/-36.159 χ^2/NDF: 3145204.1/21

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 158677.845+/-33.321 χ^2/NDF: 3261256.9/25

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

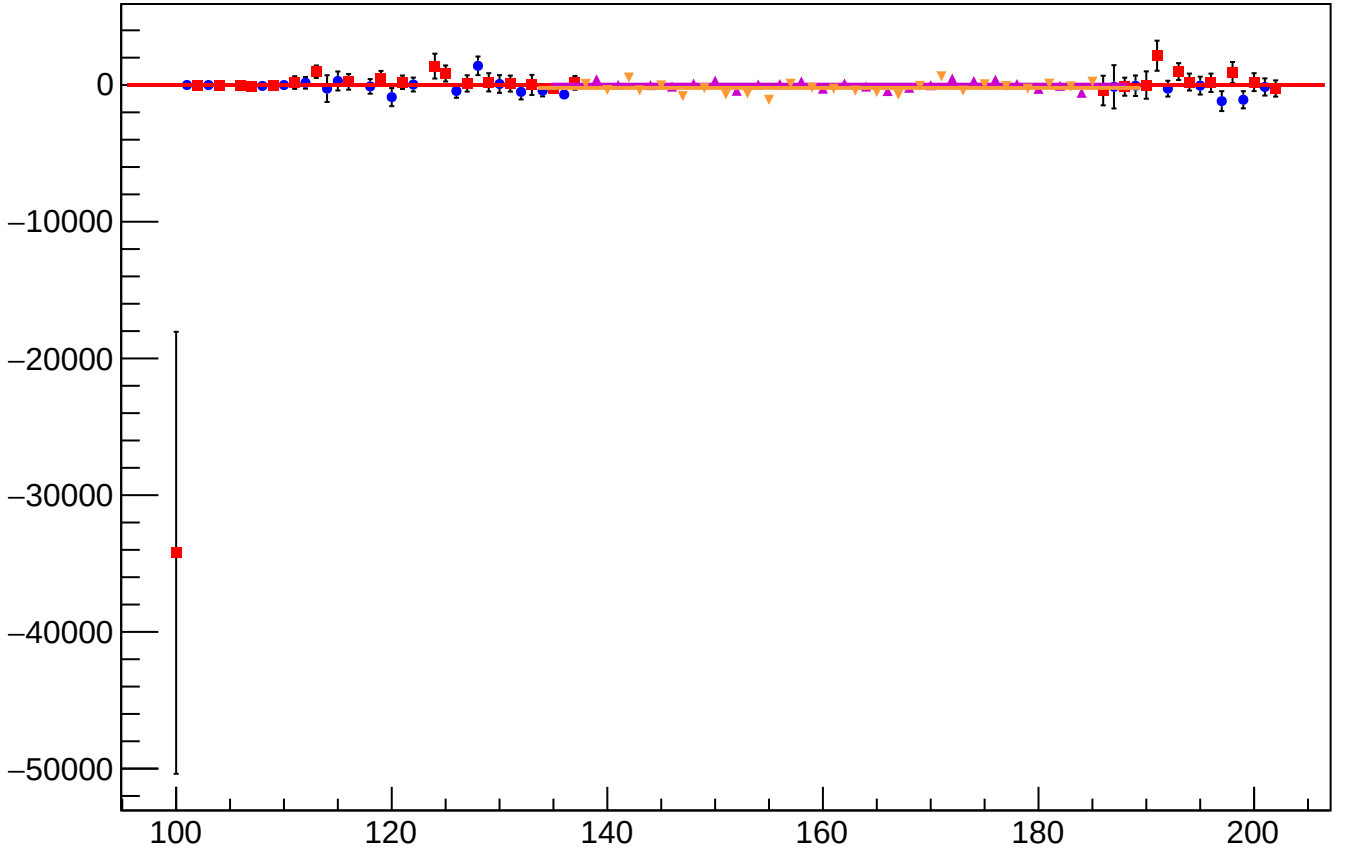
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 160019.147+/-24.503 χ^2/NDF: 6409989.6/47

In: 171957.991+/-23.026 χ^2/NDF:3784672.9/44

Out: 170930.613+/-21.962 χ^2/NDF:3846947.8/50

All: 171420.034+/-15.892 χ^2/NDF: 7632663.



Right In: -0.035+/-0.172 χ^2/NDF: 24.0/22

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 24.8/28

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

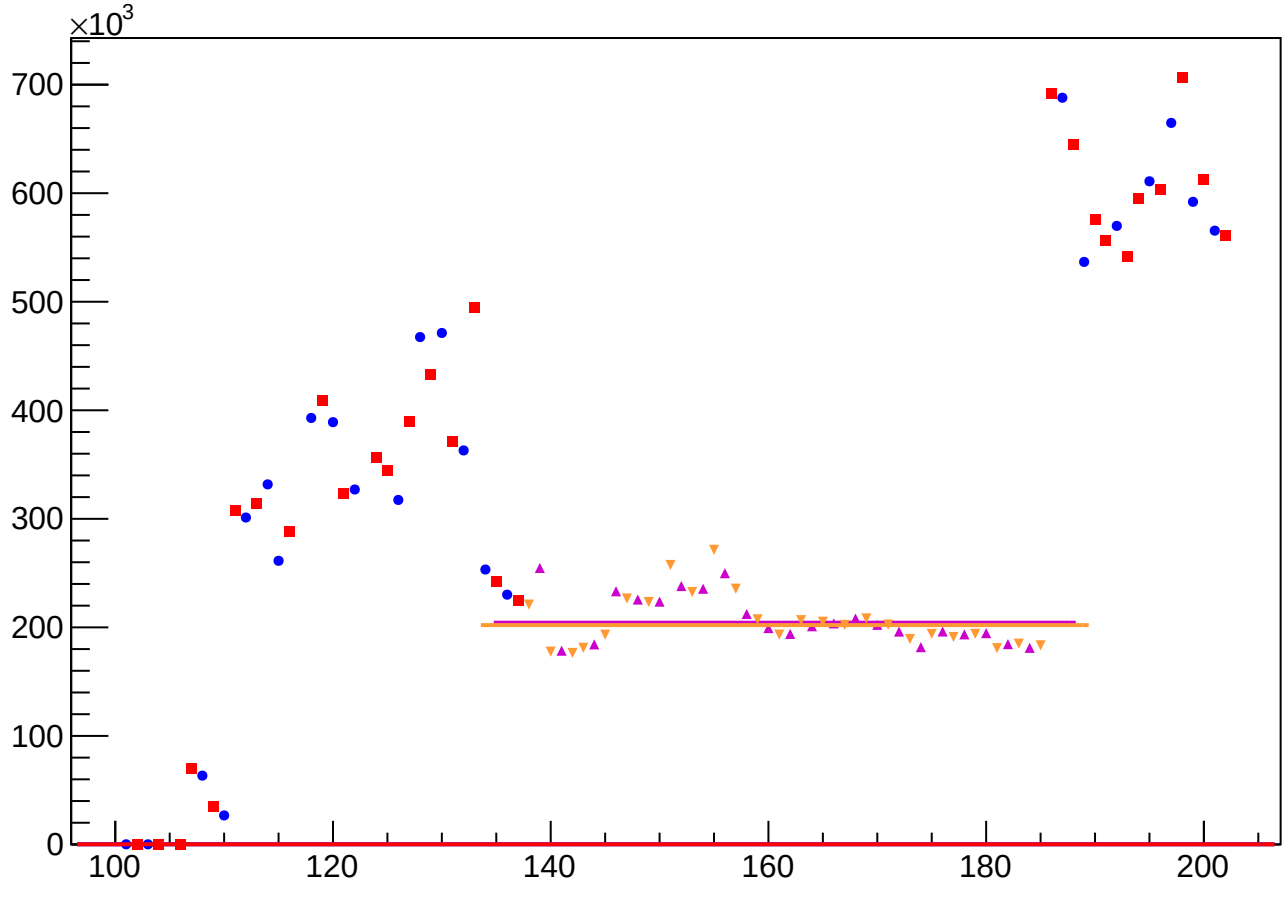
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 51.6/51

In: -0.035+/-0.172 χ^2/NDF:52.7/45

Out: 0.353+/-0.160 χ^2/NDF:106.7/53

All: 0.173+/-0.117 χ^2/NDF: 162.2/99



Right In: 149.346+/-0.122 χ^2/NDF: 21440522.8/22

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.676+/-0.113 χ^2/NDF: 25382340.4/27

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

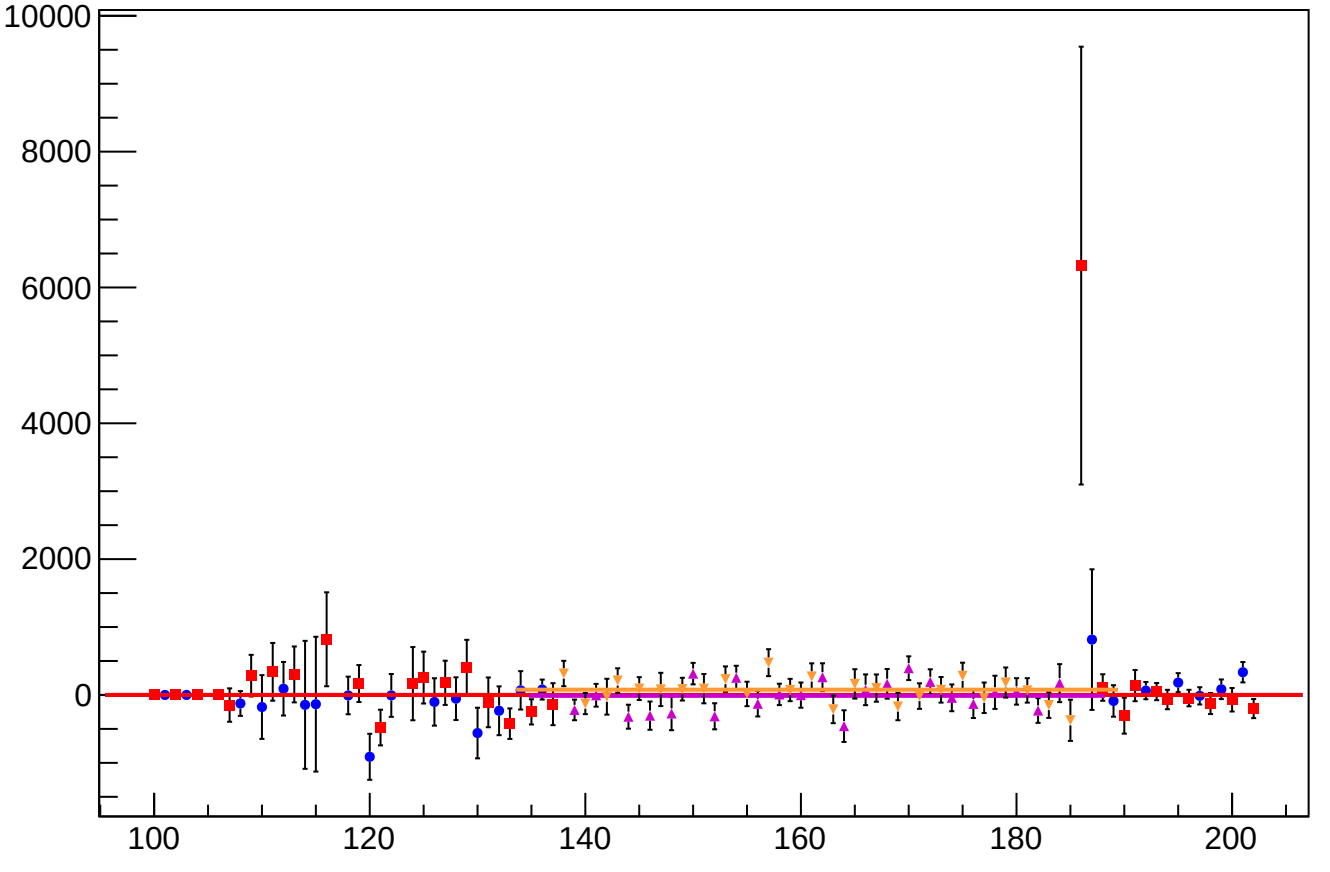
Right: 149.523+/-0.083 χ^2/NDF: 46822867.1/50

In: 151.971+/-0.122 χ^2/NDF:57943253.0/45

Out: 152.093+/-0.113 χ^2/NDF:63878065.4/52

All: 152.036+/-0.083 χ^2/NDF: 121821319.0/9

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 19.2/22

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.127+/-0.166 χ^2/NDF: 24.5/28

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

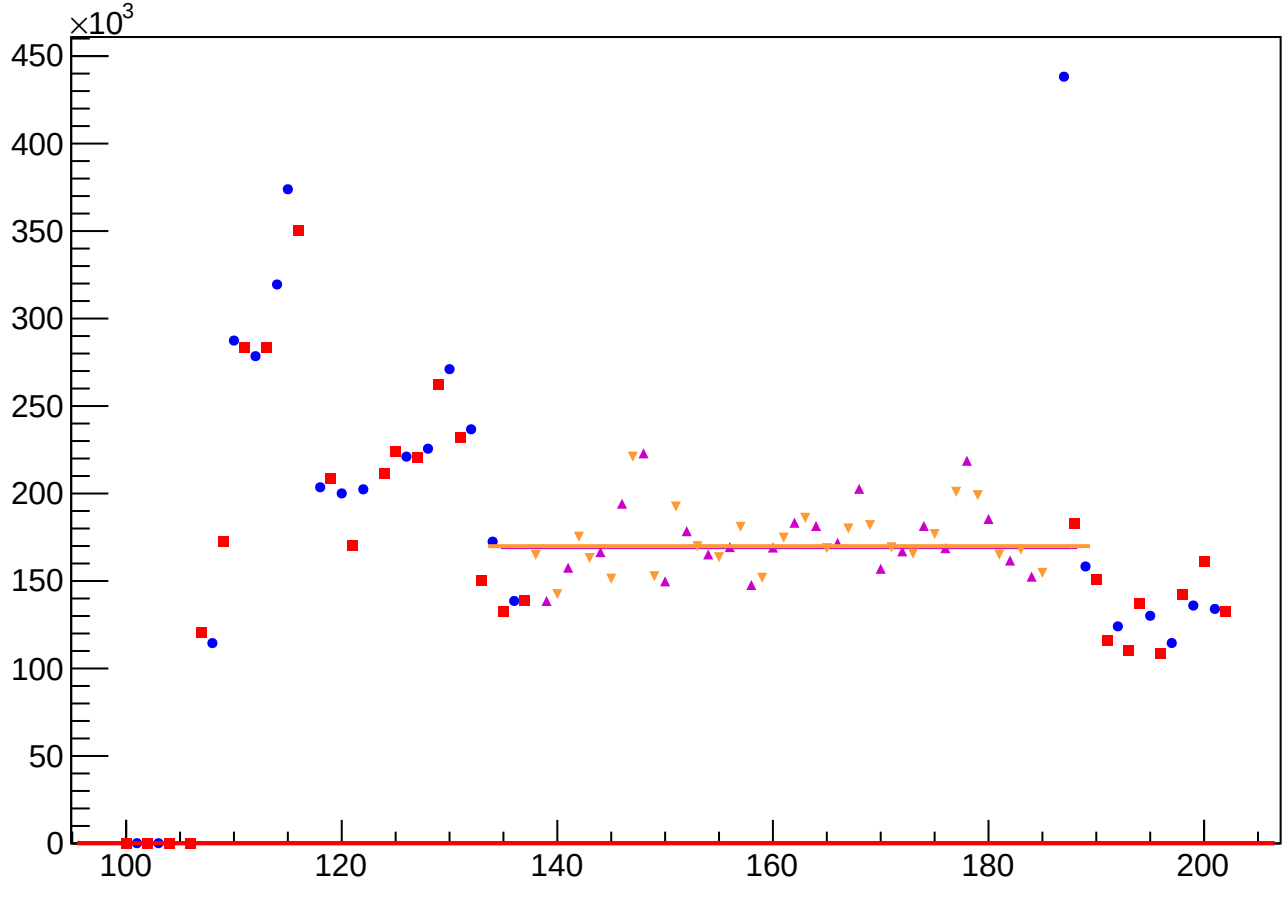
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 43.8/51

In: -0.067+/-0.177 χ^2/NDF:52.0/45

Out: -0.125+/-0.166 χ^2/NDF:47.5/53

All: -0.098+/-0.121 χ^2/NDF: 99.6/99



Right In: 154.628+/-0.125 χ^2/NDF: 21797948.9/22

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.491+/-0.118 χ^2/NDF: 24376063.1/27

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

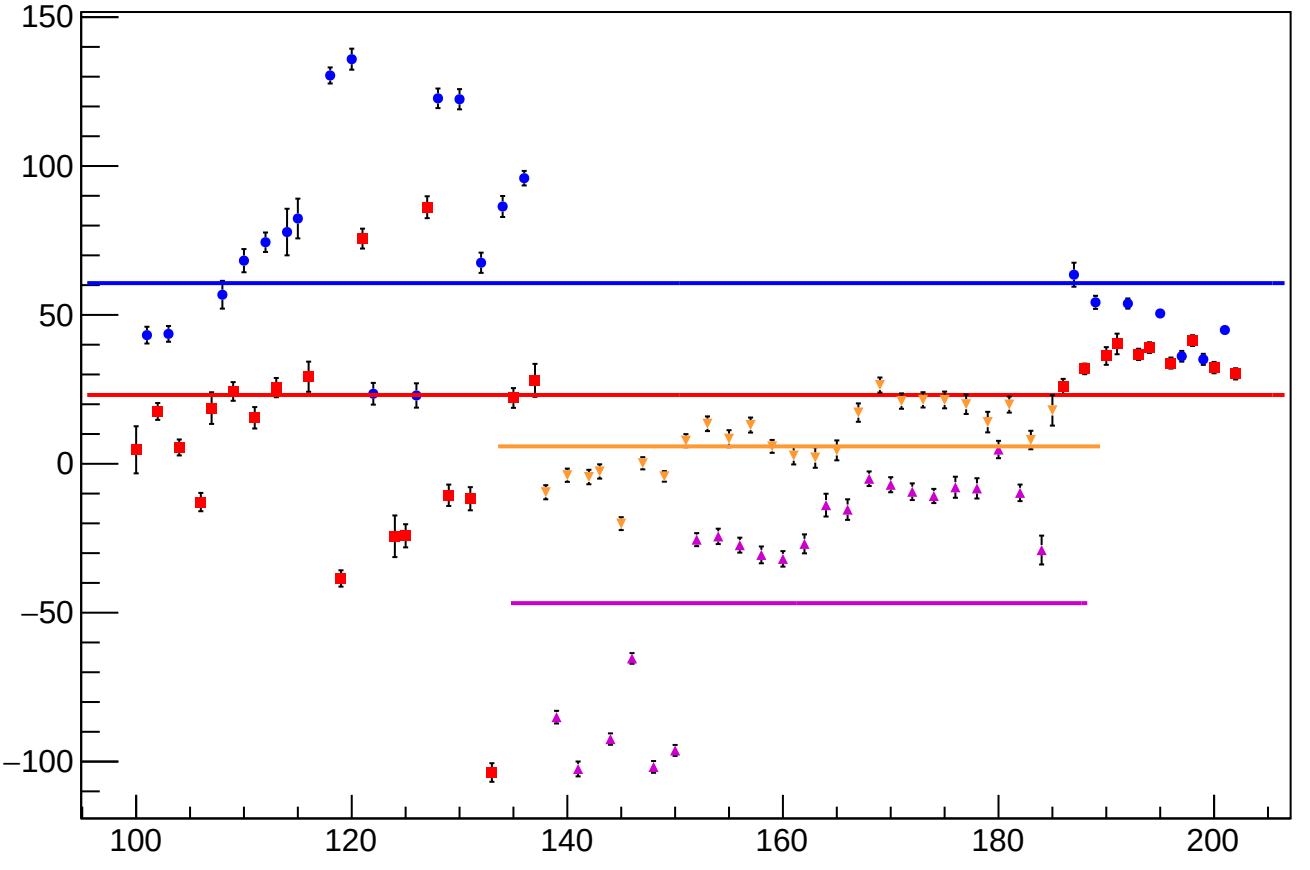
Right: 156.149+/-0.086 χ^2/NDF: 46174289.2/50

In: 157.962+/-0.125 χ^2/NDF:58183529.1/45

Out: 160.597+/-0.118 χ^2/NDF:62786477.9/52

All: 159.361+/-0.086 χ^2/NDF: 120970241.9/9

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 60.673+/-0.549 χ^2/NDF: 2910.6/22

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 23.113+/-0.507 χ^2/NDF: 3626.7/28

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

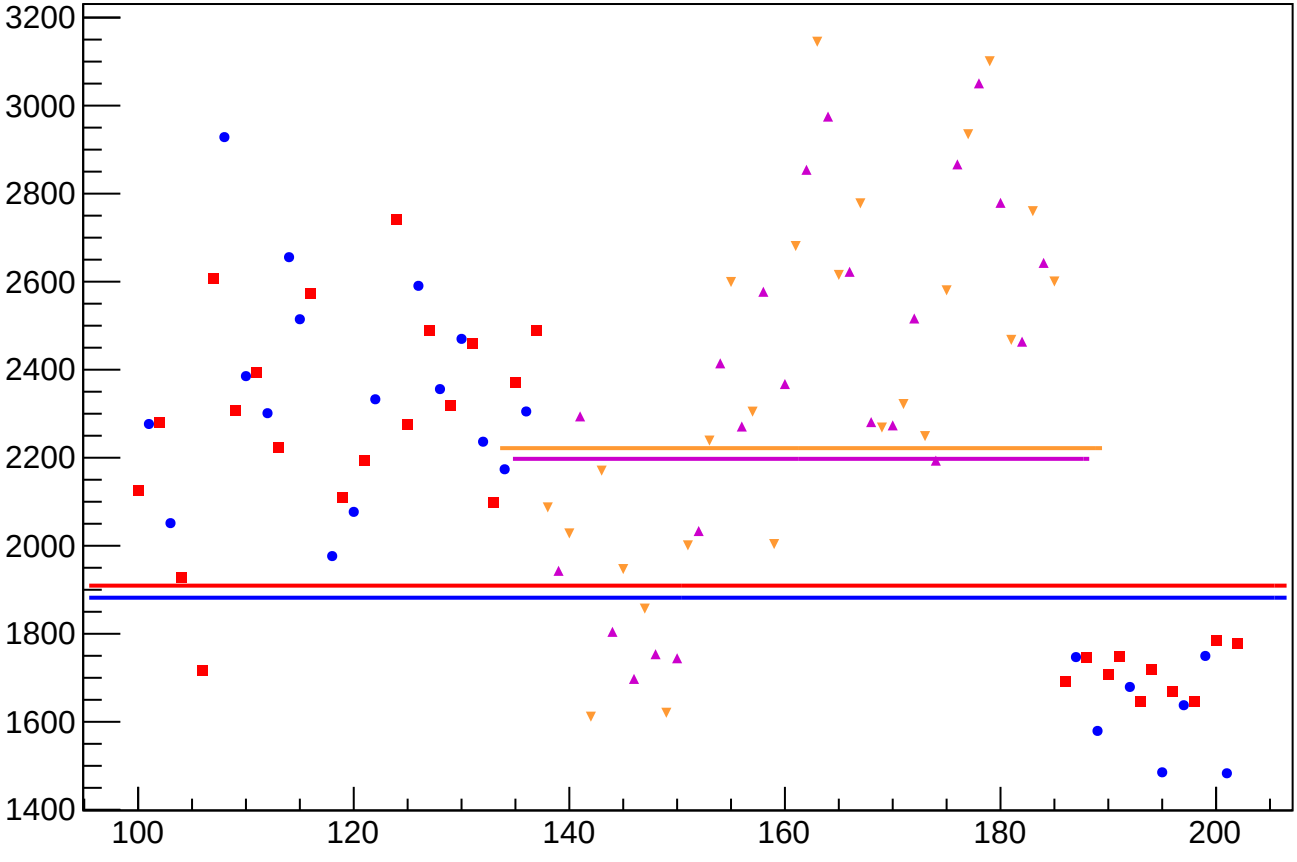
Right: 40.413+/-0.372 χ^2/NDF: 9066.0/51

In: 4.529+/-0.379 χ^2/NDF:28137.5/45

Out: 14.602+/-0.361 χ^2/NDF:4733.7/53

All: 9.813+/-0.261 χ^2/NDF: 33241.5/99

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1881.981+/-0.388 χ^2/NDF: 895648.3/22

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1909.393+/-0.358 χ^2/NDF: 654173.1/28

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

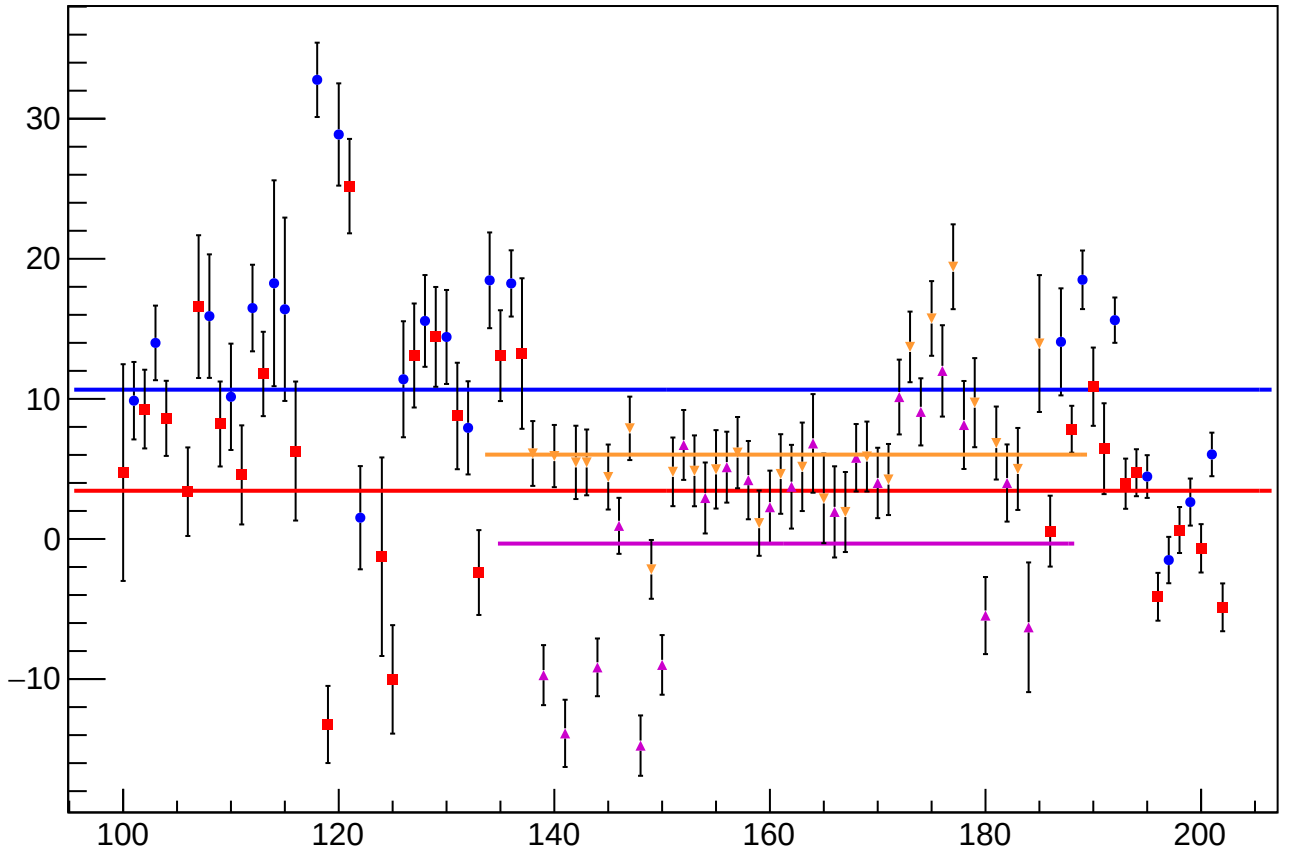
Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

Right: 1896.767+/-0.263 χ^2/NDF: 1552515.3/51

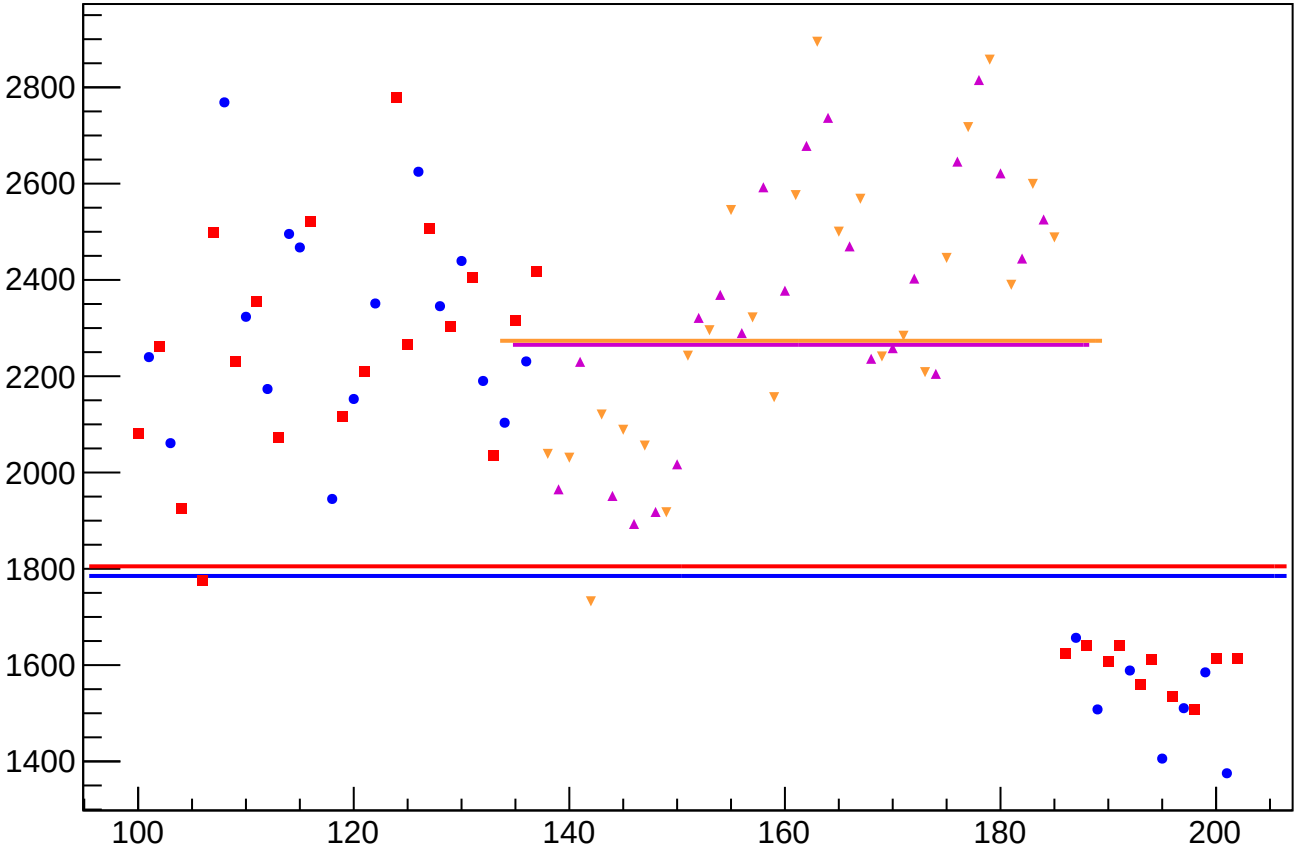
In: 2046.799+/-0.268 χ^2/NDF:2345922.5/45

Out: 2063.421+/-0.255 χ^2/NDF:2212700.5/53

All: 2055.518+/-0.185 χ^2/NDF: 4560639.9/99


diff_bpm0i01Y_mean vs Slug, Sign Corrected
30
20
10
0
−10
100
120
140
160
180
200
Right In: 10.658+/-0.522 χ²/NDF: 255.2/22
Left Out: 6.022+/-0.521 χ²/NDF:71.8/24
Right Out: 3.442+/-0.481 χ²/NDF: 219.1/28
Left In: -0.329+/-0.535 χ²/NDF:224.9/22
Left: 2.929+/-0.373 χ²/NDF: 369.1/47
Right: 6.754+/-0.354 χ²/NDF: 577.6/51
In: 5.294+/-0.374 χ²/NDF:696.2/45
Out: 4.629+/-0.353 χ²/NDF:304.1/53
All: 4.943+/-0.257 χ²/NDF: 1002.0/99

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1785.153+/-0.369 χ^2/NDF: 1109793.7/22

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1805.165+/-0.340 χ^2/NDF: 883733.3/28

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

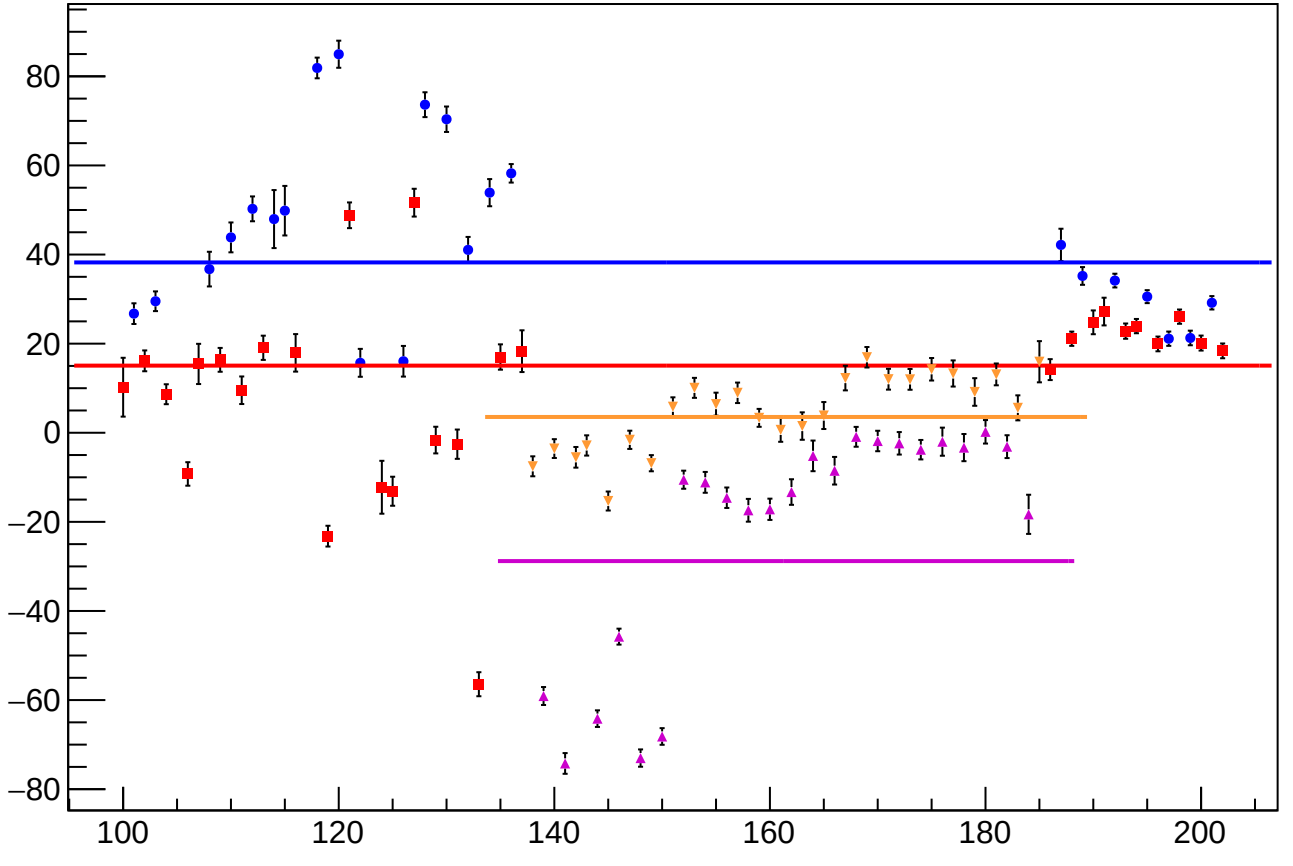
Right: 1795.981+/-0.250 χ^2/NDF: 1995116.4/51

In: 2019.567+/-0.264 χ^2/NDF:2431141.4/45

Out: 2020.749+/-0.250 χ^2/NDF:2293932.0/53

All: 2020.191+/-0.182 χ^2/NDF: 4725084.0/99

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 38.231+/-0.480 χ^2/NDF: 1454.2/22

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 15.068+/-0.443 χ^2/NDF: 1666.6/28

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

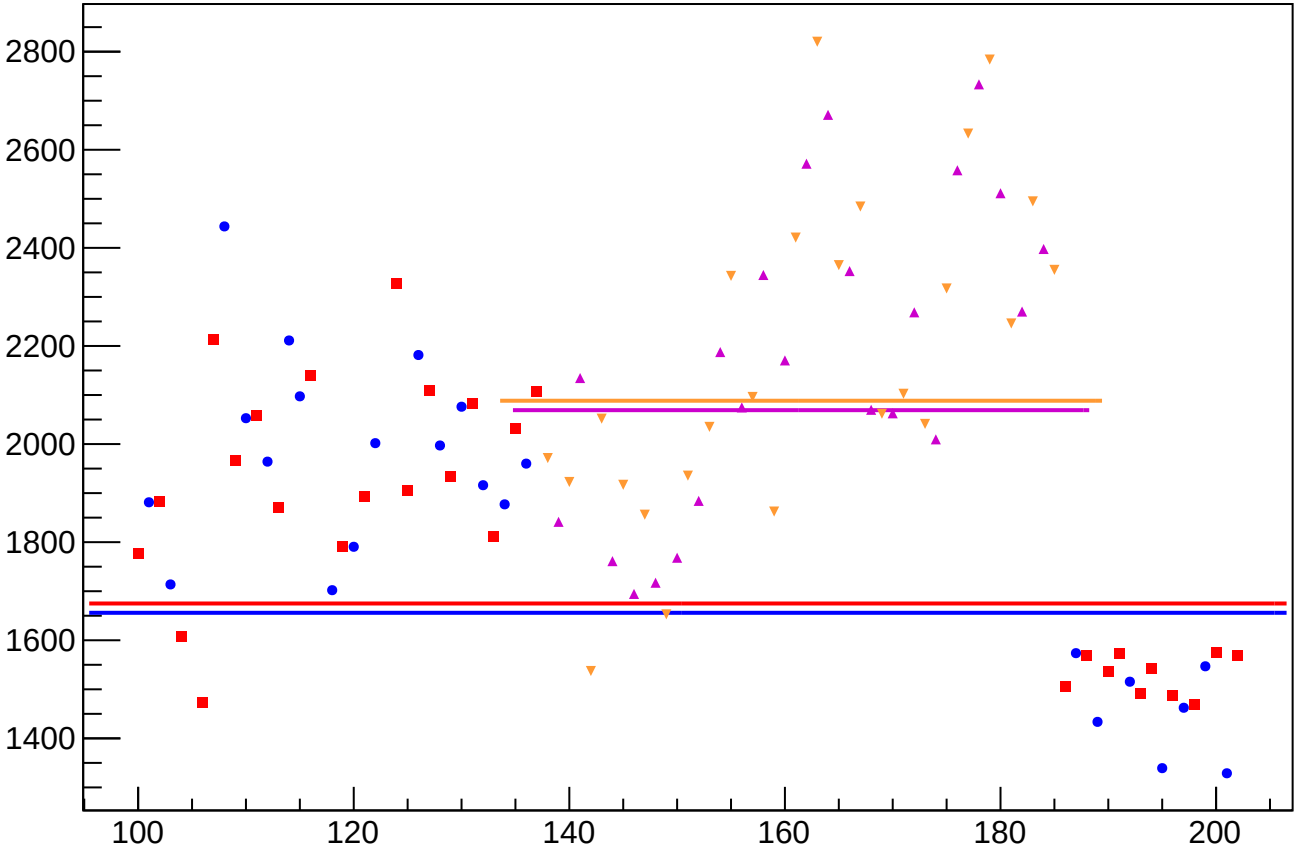
Right: 25.726+/-0.326 χ^2/NDF: 4377.8/51

In: 5.461+/-0.343 χ^2/NDF:14250.2/45

Out: 9.768+/-0.326 χ^2/NDF:2297.3/53

All: 7.727+/-0.236 χ^2/NDF: 16630.4/99

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1655.998+/-0.339 χ^2/NDF: 669744.0/22

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1674.988+/-0.313 χ^2/NDF: 474195.7/28

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

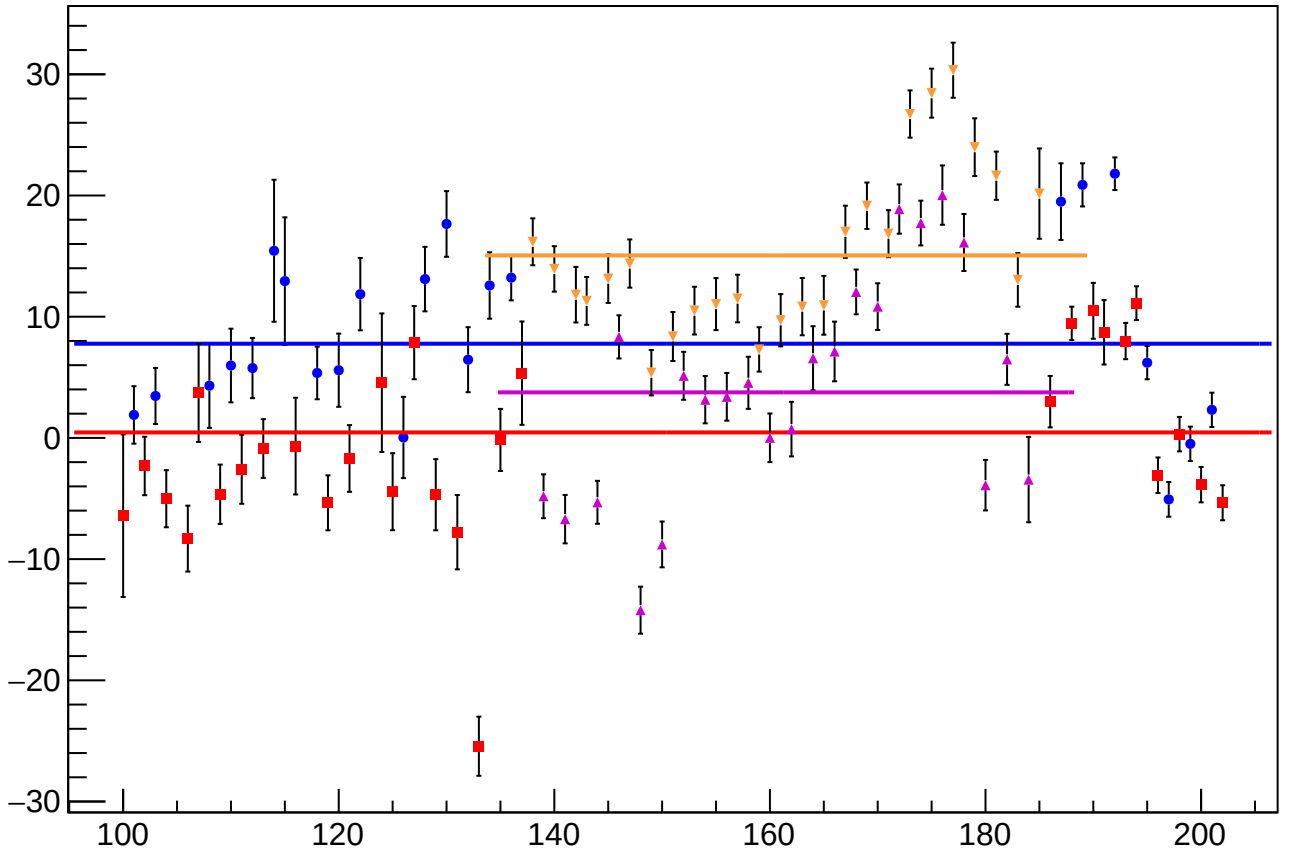
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1666.250+/-0.230 χ^2/NDF: 1145629.5/51

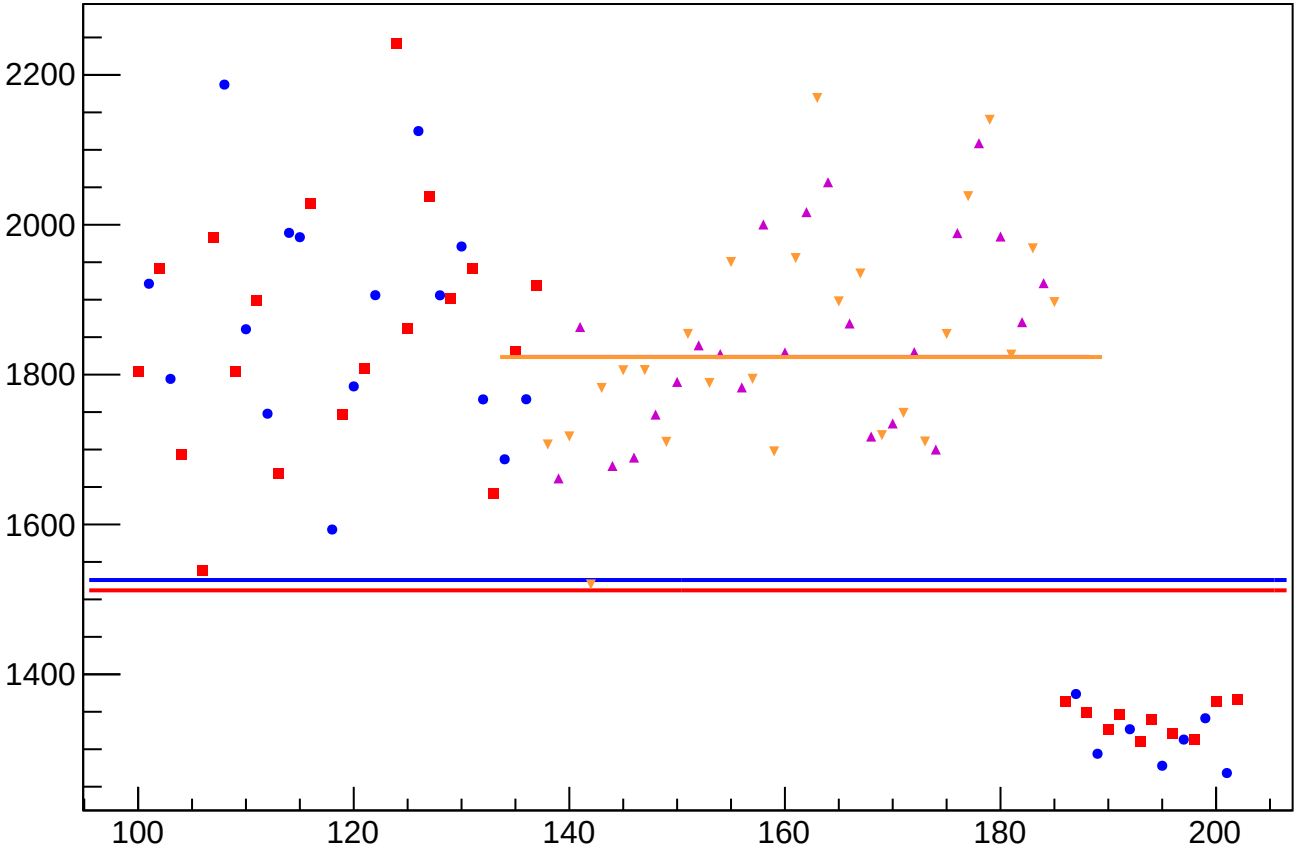
In: 1857.950+/-0.243 χ^2/NDF:2105376.2/45

Out: 1865.080+/-0.230 χ^2/NDF:2061864.9/53

All: 1861.701+/-0.167 χ^2/NDF: 4167695.4/99


diff_bpm0i01aY_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 7.772+/-0.442 χ²/NDF: 359.1/22
Left Out: 15.056+/-0.416 χ²/NDF:246.2/24
Right Out: 0.451+/-0.401 χ²/NDF: 352.4/28
Left In: 3.758+/-0.428 χ²/NDF:459.1/22
Left: 9.570+/-0.298 χ²/NDF: 1064.0/47
Right: 3.759+/-0.297 χ²/NDF: 861.9/51
In: 5.700+/-0.307 χ²/NDF:860.7/45
Out: 7.496+/-0.289 χ²/NDF:1237.7/53
All: 6.654+/-0.210 χ²/NDF: 2116.5/99

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1525.846+/-0.312 χ^2/NDF: 778284.3/22

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1512.069+/-0.284 χ^2/NDF: 744405.0/28

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

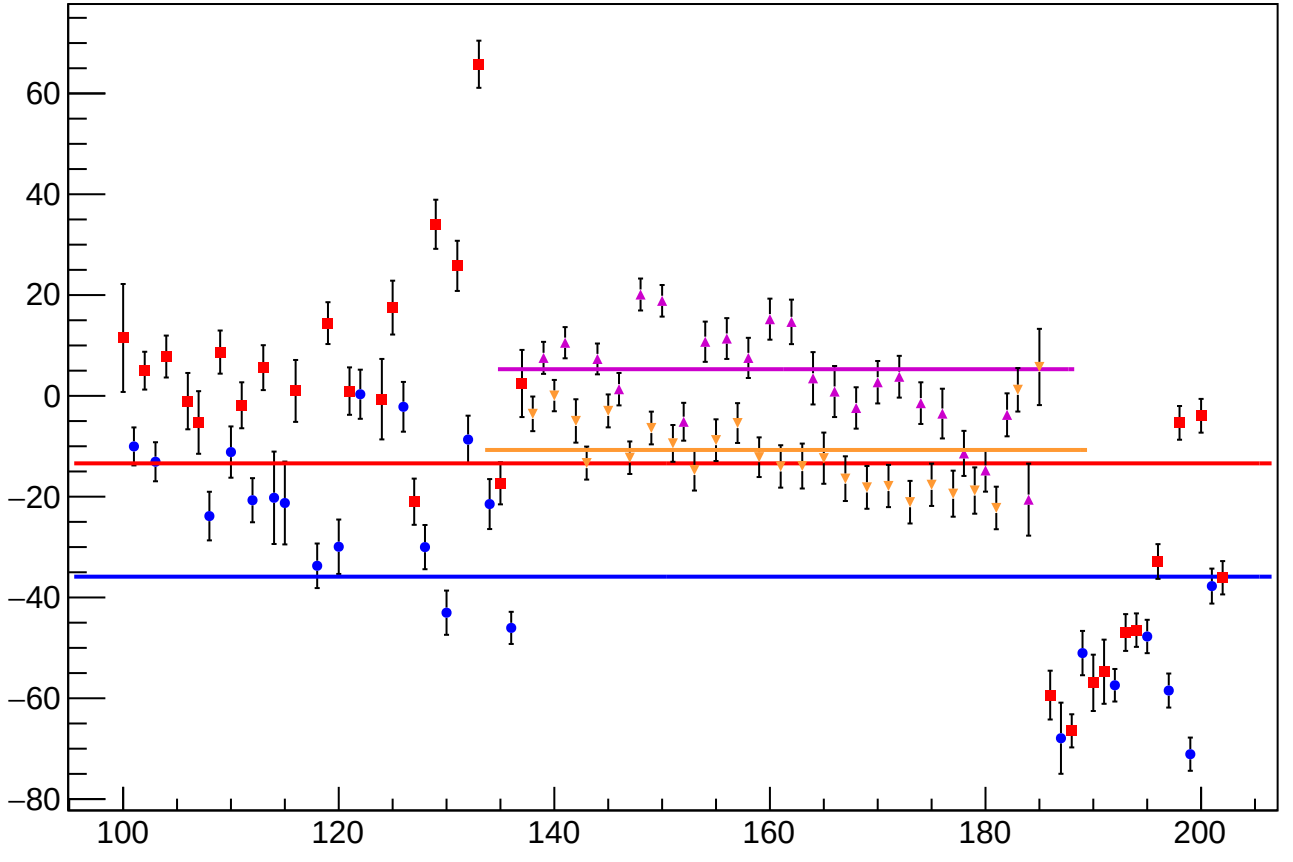
Right: 1518.294+/-0.210 χ^2/NDF: 1523754.8/51

In: 1679.555+/-0.217 χ^2/NDF:1410849.5/45

Out: 1662.253+/-0.204 χ^2/NDF:1536646.4/53

All: 1670.362+/-0.149 χ^2/NDF: 2950862.7/99

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -35.871+/-0.886 χ^2/NDF: 537.7/22

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -13.391+/-0.817 χ^2/NDF: 1391.8/28

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

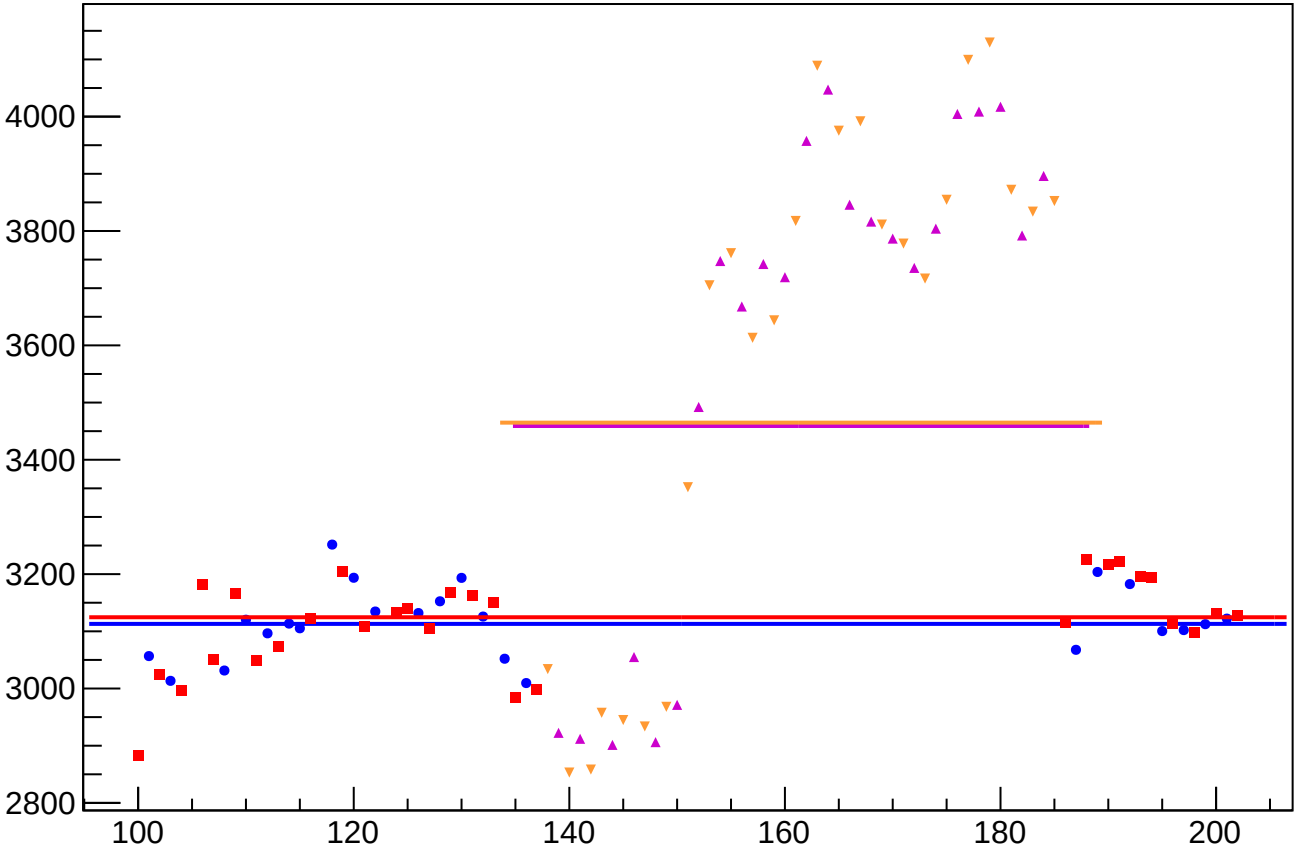
Right: -23.733+/-0.601 χ^2/NDF: 2277.5/51

In: -13.569+/-0.599 χ^2/NDF:1842.0/45

Out: -12.023+/-0.569 χ^2/NDF:1471.0/53

All: -12.756+/-0.413 χ^2/NDF: 3316.6/99

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3112.999+/-0.626 χ^2/NDF: 10041.2/22

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3124.607+/-0.578 χ^2/NDF: 14654.3/28

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

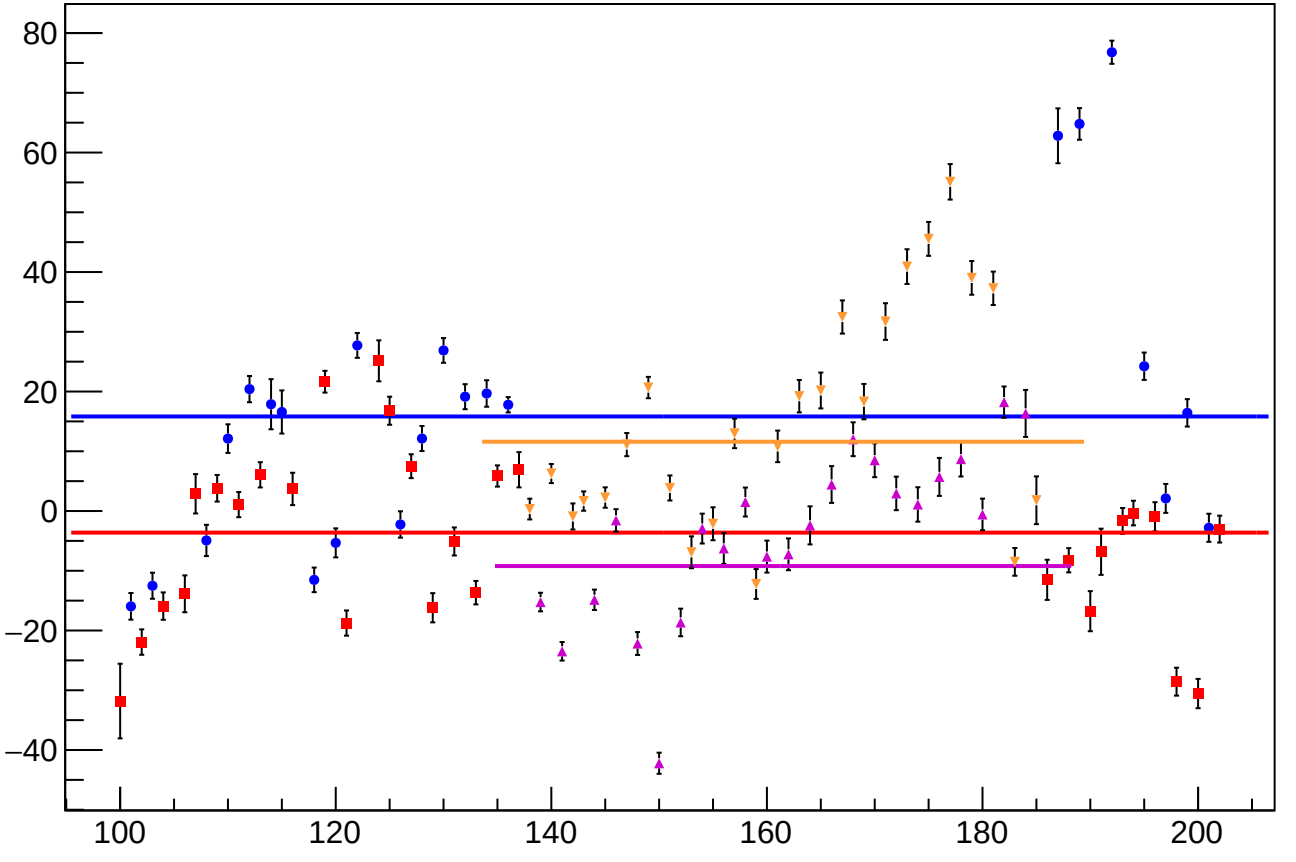
Right: 3119.266+/-0.425 χ^2/NDF: 24881.1/51

In: 3300.494+/-0.424 χ^2/NDF:758841.6/45

Out: 3299.734+/-0.403 χ^2/NDF:837075.0/53

All: 3300.095+/-0.292 χ^2/NDF: 1595918.4/99

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 15.825+/-0.466 χ^2/NDF: 2378.4/22

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -3.615+/-0.440 χ^2/NDF: 963.2/28

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

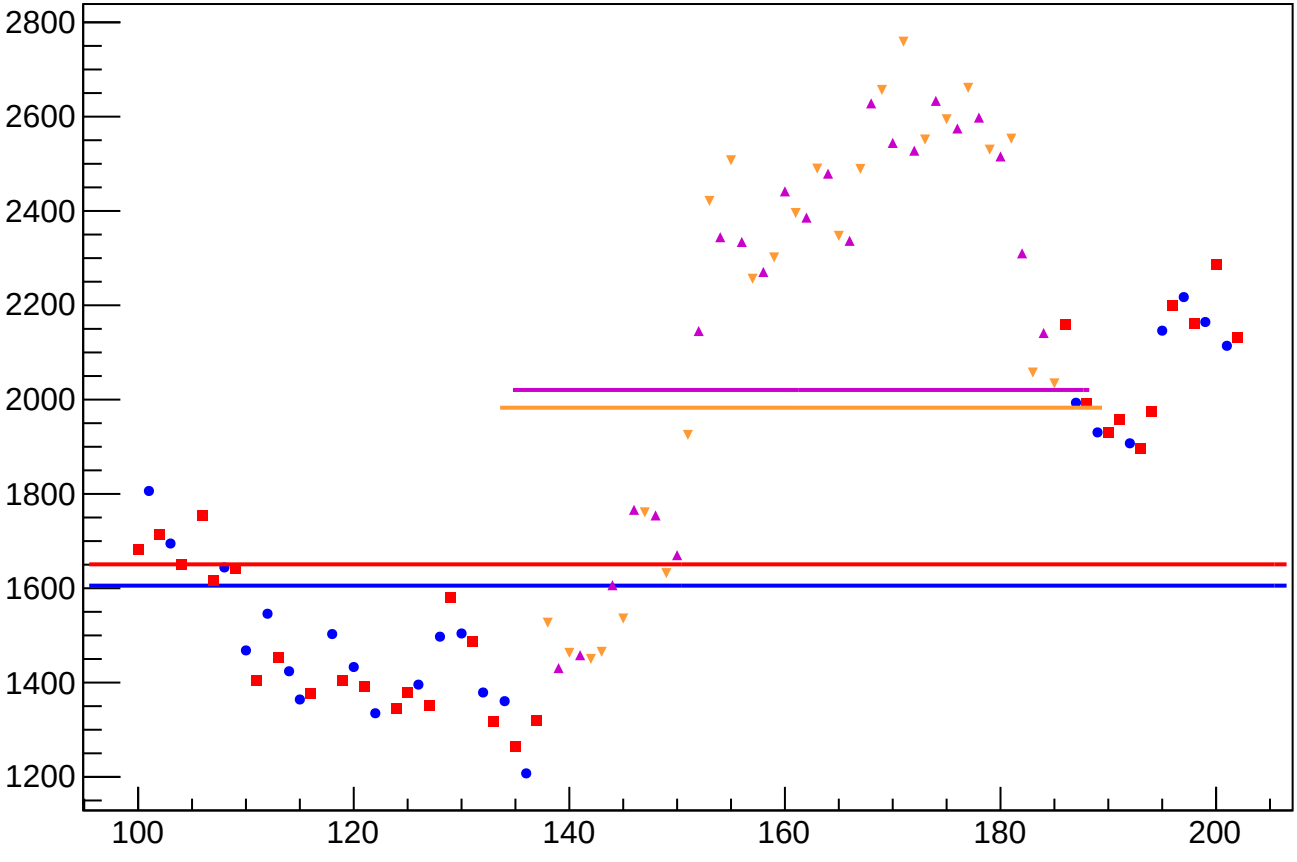
Right: 5.553+/-0.320 χ^2/NDF: 4260.3/51

In: 3.770+/-0.336 χ^2/NDF:4707.8/45

Out: 3.606+/-0.319 χ^2/NDF:2726.4/53

All: 3.684+/-0.231 χ^2/NDF: 7434.3/99

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1605.549+/-0.330 χ^2/NDF: 902240.4/22

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1650.698+/-0.311 χ^2/NDF: 1038938.2/28

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

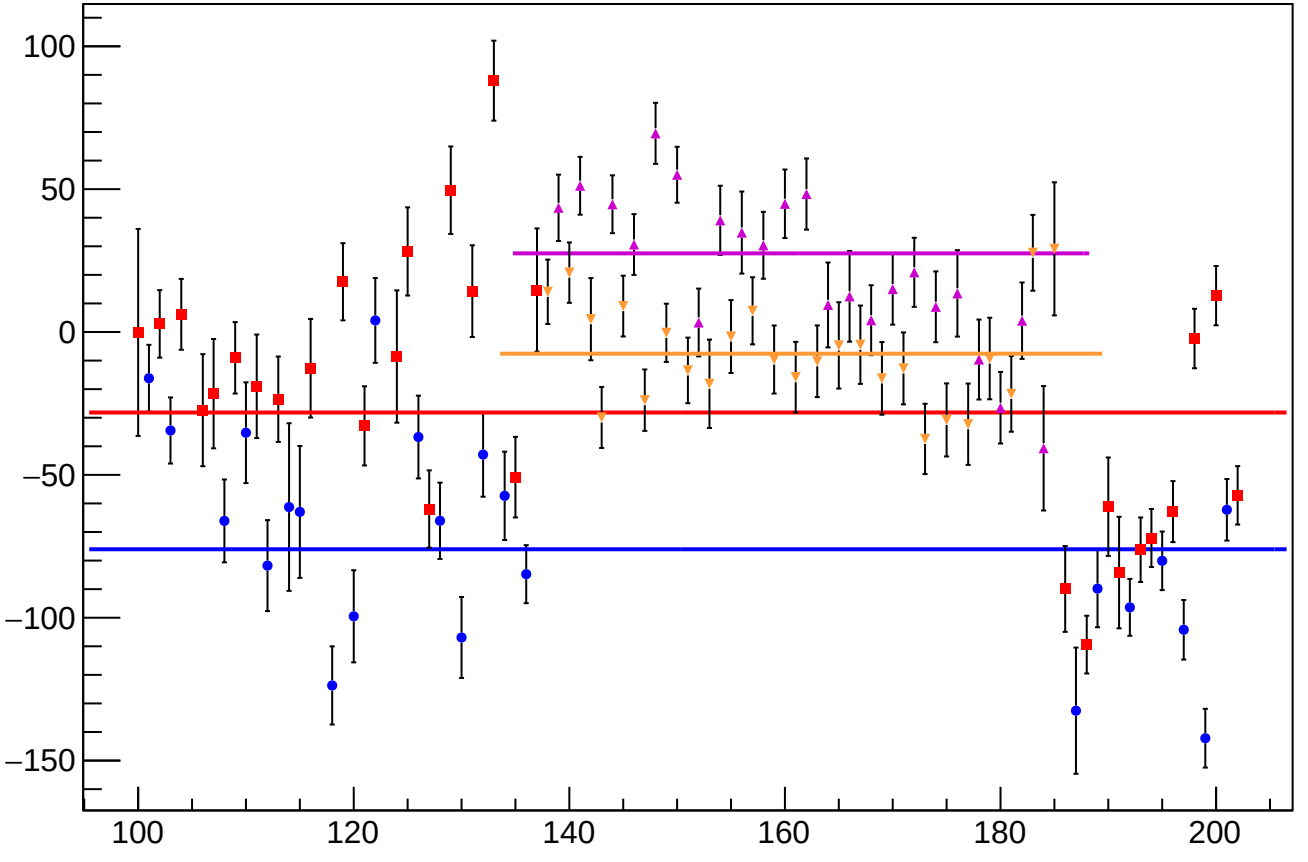
Right: 1629.405+/-0.226 χ^2/NDF: 1951090.4/51

In: 1805.316+/-0.237 χ^2/NDF:3279693.3/45

Out: 1808.344+/-0.226 χ^2/NDF:3556511.5/53

All: 1806.906+/-0.164 χ^2/NDF: 6836290.1/99

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -76.041+/-2.755 χ^2/NDF: 171.2/22

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -28.170+/-2.546 χ^2/NDF: 329.5/28

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

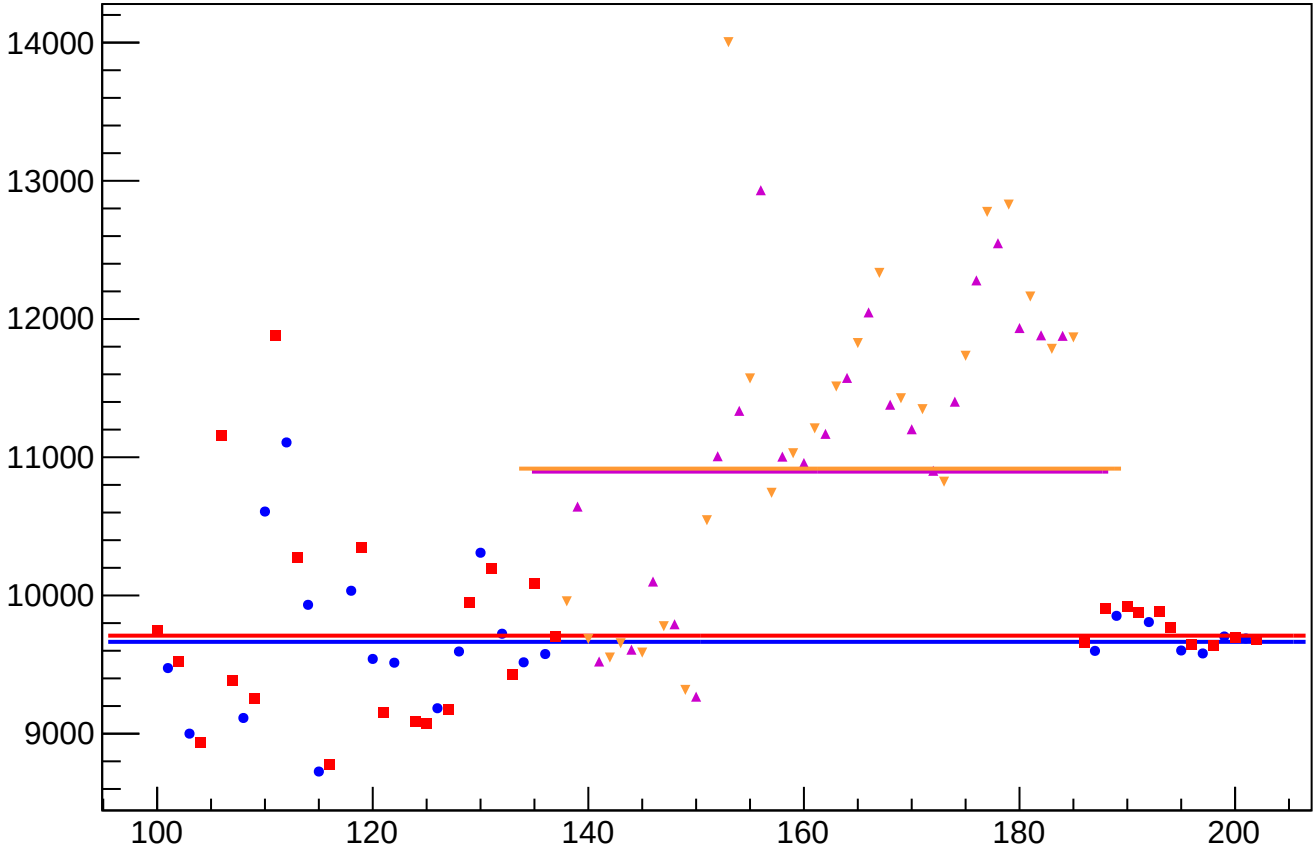
Right: -50.217+/-1.870 χ^2/NDF: 663.5/51

In: -20.386+/-1.874 χ^2/NDF:1023.5/45

Out: -17.675+/-1.782 χ^2/NDF:410.7/53

All: -18.962+/-1.291 χ^2/NDF: 1435.3/99

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9664.459+/-1.948 χ^2/NDF: 45224.0/22

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9709.272+/-1.800 χ^2/NDF: 82098.3/28

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

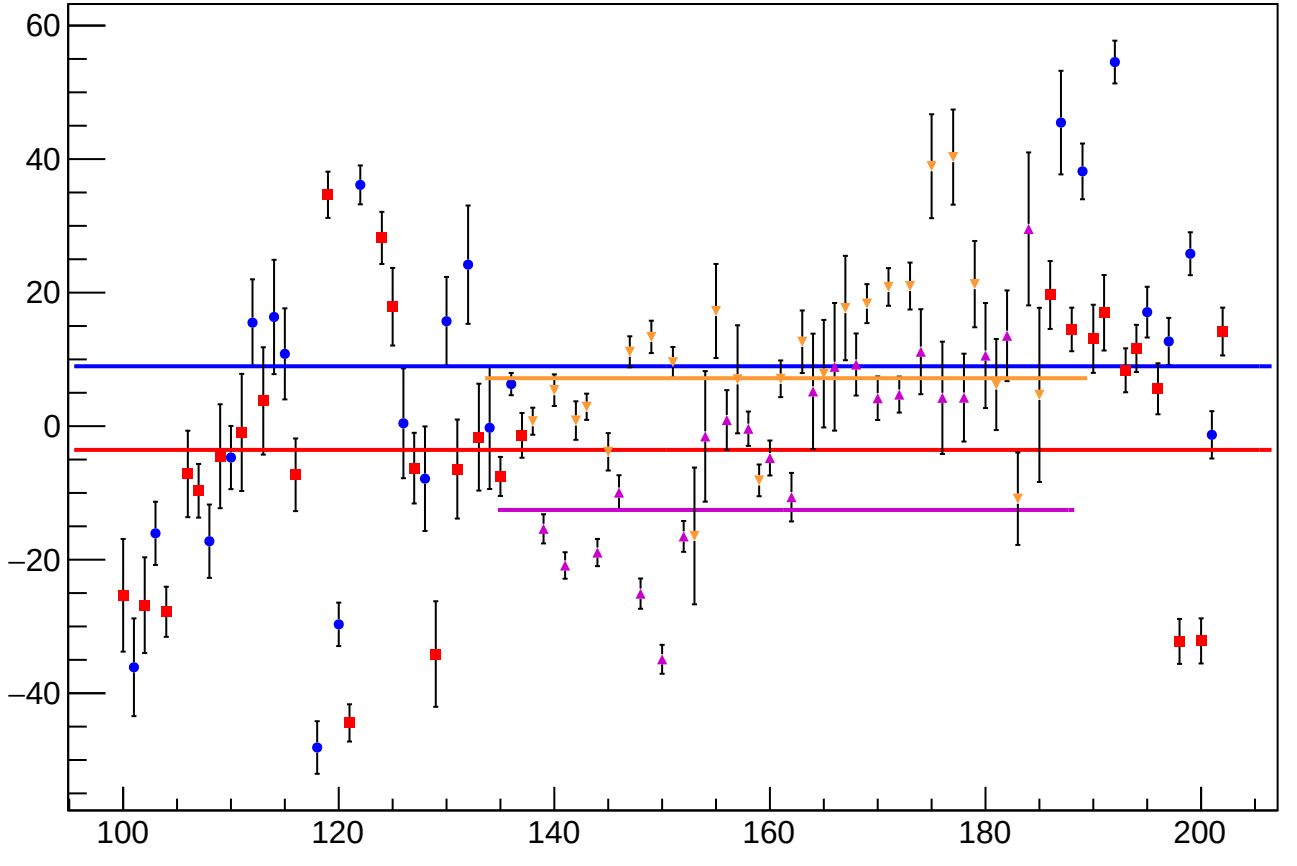
Right: 9688.634+/-1.322 χ^2/NDF: 127607.7/51

In: 10326.257+/-1.325 χ^2/NDF:558000.0/45

Out: 10325.662+/-1.260 χ^2/NDF:737795.7/53

All: 10325.944+/-0.913 χ^2/NDF: 1295795.8/9

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 8.970+/-0.841 χ^2/NDF: 865.7/22

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -3.554+/-0.799 χ^2/NDF: 778.6/28

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

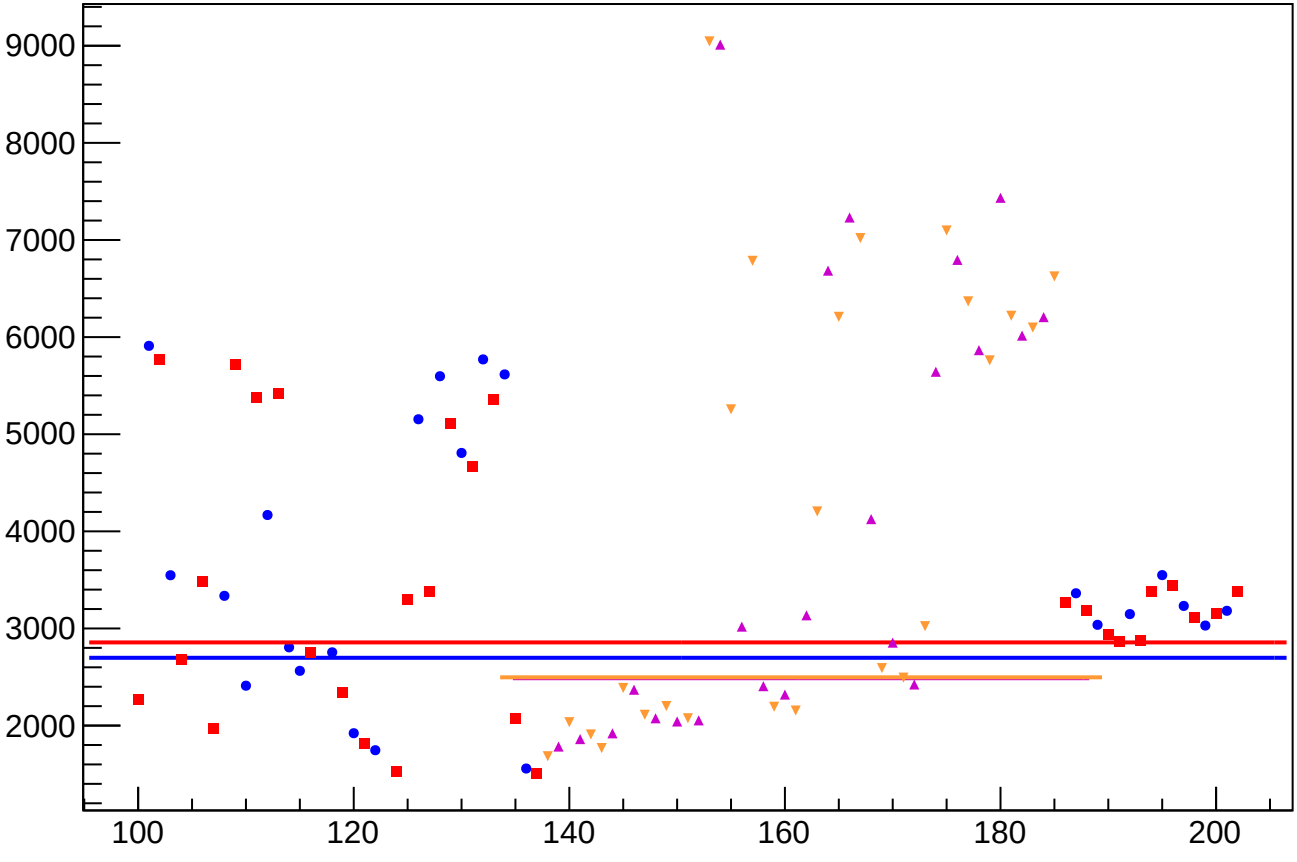
Right: 2.388+/-0.580 χ^2/NDF: 1760.7/51

In: -4.346+/-0.520 χ^2/NDF:1642.6/45

Out: 2.883+/-0.506 χ^2/NDF:1088.4/53

All: -0.636+/-0.362 χ^2/NDF: 2830.4/99

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2697.999+/-0.595 χ^2/NDF: 3221050.3/22

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2856.398+/-0.565 χ^2/NDF: 2826657.3/28

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

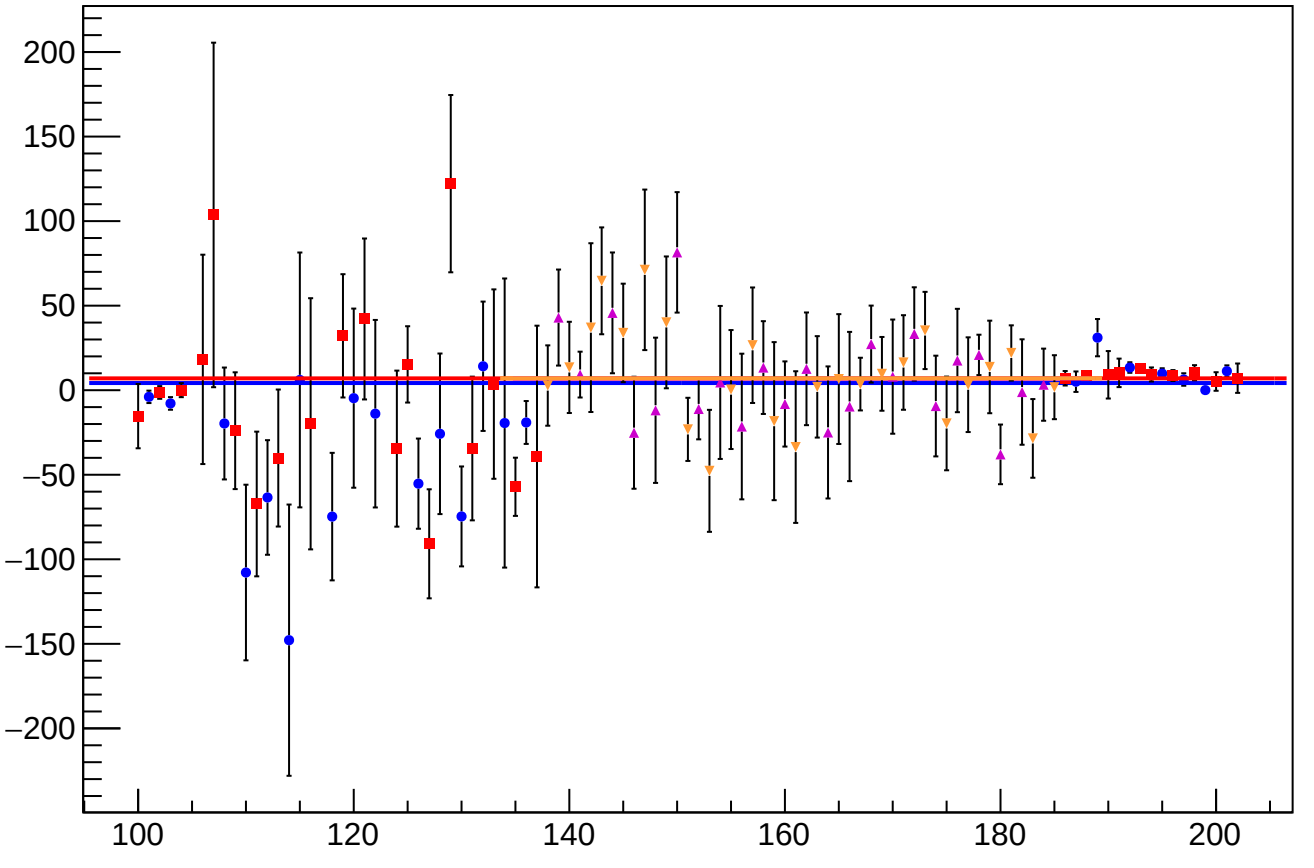
Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

Right: 2781.243+/-0.410 χ^2/NDF: 6084962.2/51

In: 2567.905+/-0.367 χ^2/NDF:9401807.3/45

Out: 2640.875+/-0.358 χ^2/NDF:10275020.9/53

All: 2605.352+/-0.256 χ^2/NDF: 19697074.7/9



Right In: 4.240+/-1.219 χ^2/NDF: 73.0/22

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 6.996+/-1.185 χ^2/NDF: 52.7/28

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

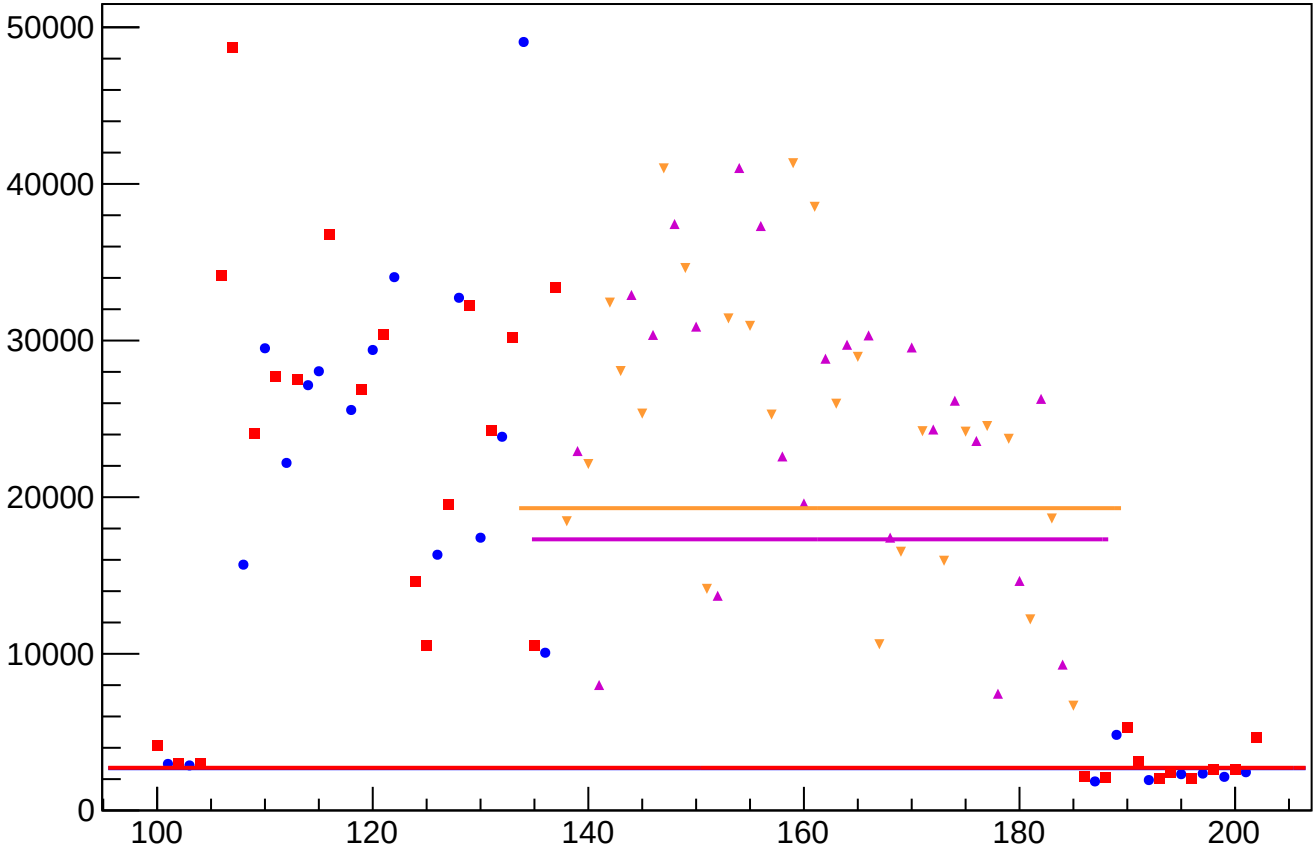
Right: 5.658+/-0.850 χ^2/NDF: 128.3/51

In: 4.387+/-1.186 χ^2/NDF:94.3/45

Out: 6.999+/-1.155 χ^2/NDF:72.2/53

All: 5.727+/-0.828 χ^2/NDF: 169.1/99

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2696.711+/-0.862 χ^2/NDF: 7868004.2/22

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2723.808+/-0.838 χ^2/NDF: 8900265.0/28

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

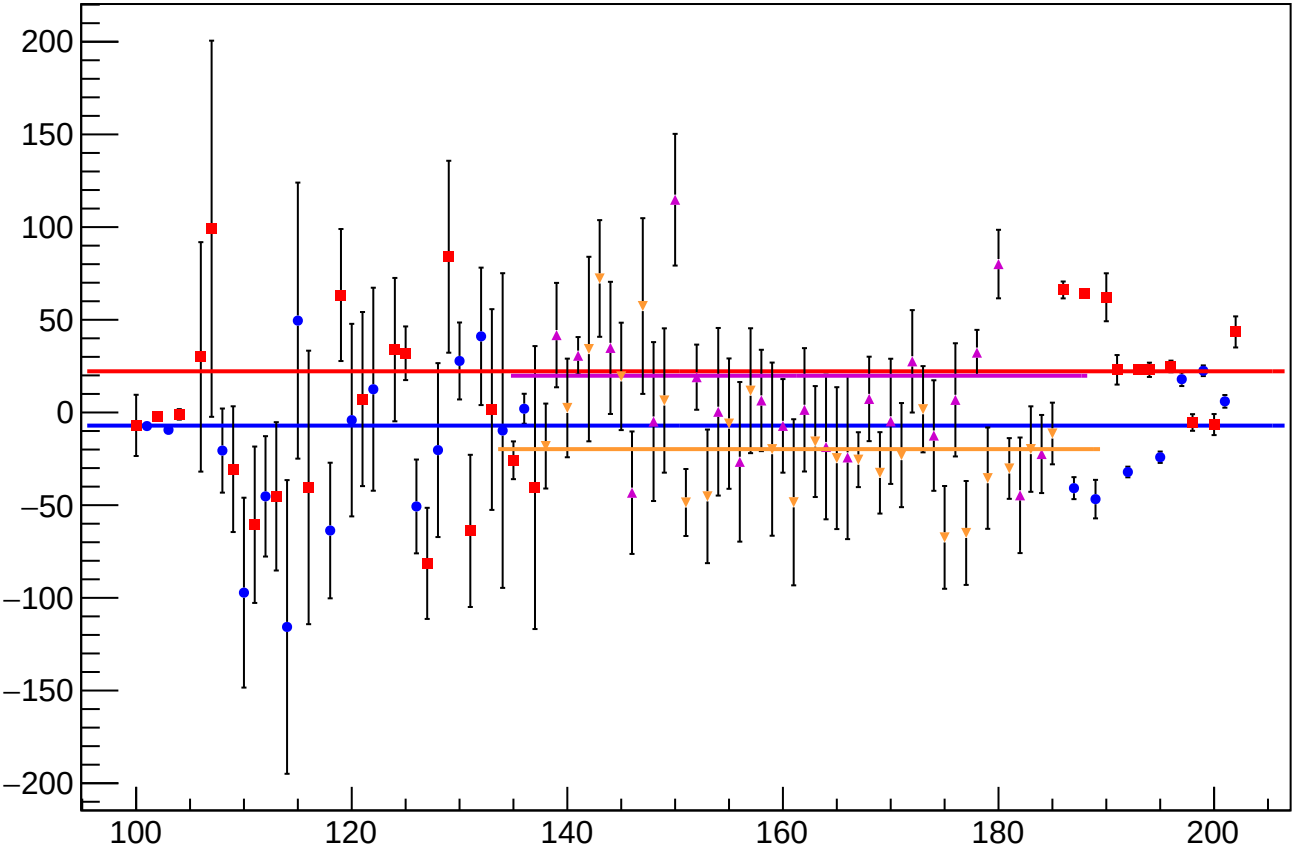
Right: 2710.652+/-0.601 χ^2/NDF: 16768777.3/51

In: 3489.811+/-0.839 χ^2/NDF:30173360.9/45

Out: 3533.450+/-0.817 χ^2/NDF:33063516.3/53

All: 3512.201+/-0.585 χ^2/NDF: 63238266.5/9

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -7.083+/-1.064 χ^2/NDF: 339.3/22

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 22.215+/-1.038 χ^2/NDF: 659.9/28

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

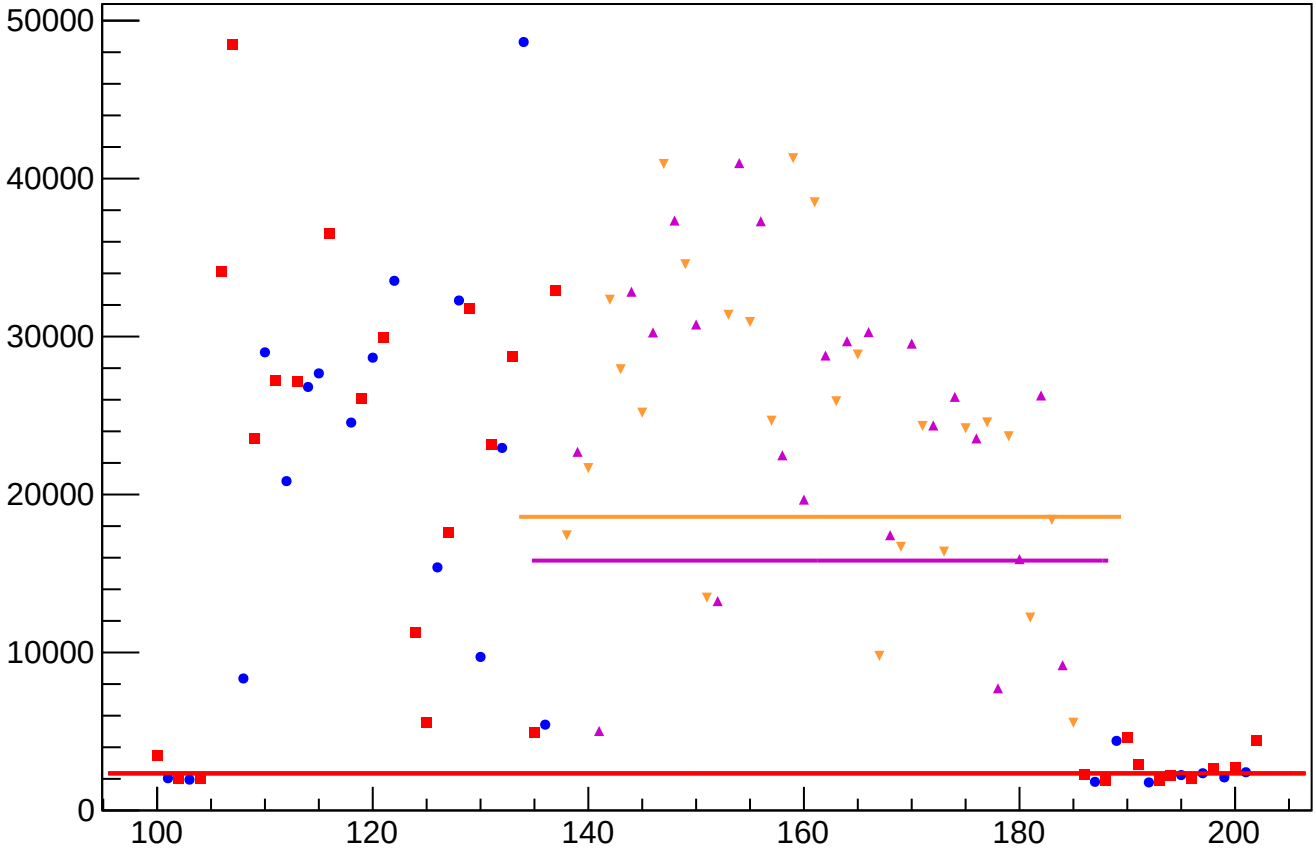
Right: 7.932+/-0.743 χ^2/NDF: 1387.4/51

In: -5.844+/-1.040 χ^2/NDF:409.0/45

Out: 20.555+/-1.017 χ^2/NDF:752.3/53

All: 7.641+/-0.727 χ^2/NDF: 1490.6/99

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2339.929+/-0.753 χ^2/NDF: 7026559.3/22

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2357.931+/-0.734 χ^2/NDF: 8447153.7/28

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

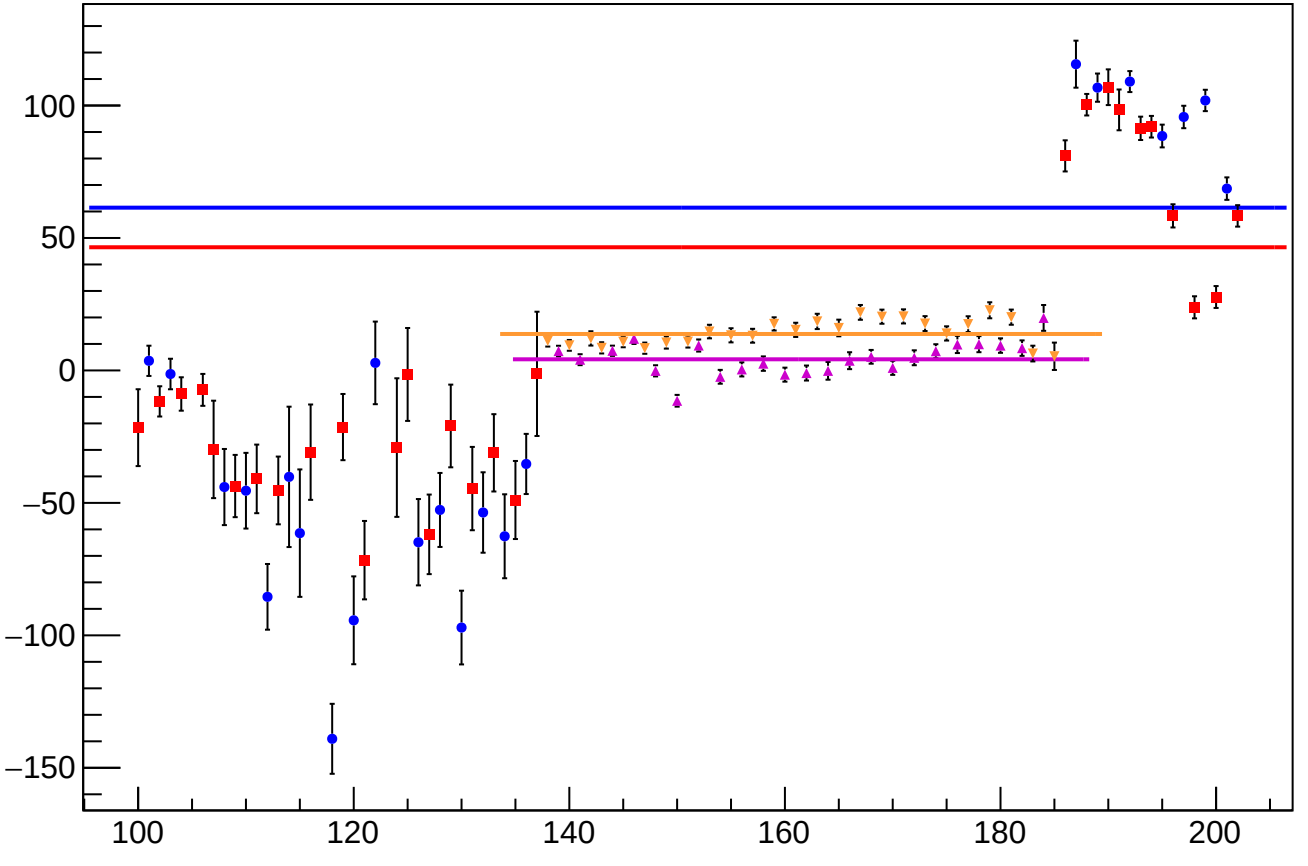
Right: 2349.155+/-0.526 χ^2/NDF: 15474006.2/51

In: 2960.337+/-0.735 χ^2/NDF:30194049.3/45

Out: 2999.676+/-0.719 χ^2/NDF:33475719.9/53

All: 2980.431+/-0.514 χ^2/NDF: 63671231.9/9

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 61.443+/-1.470 χ^2/NDF: 1755.9/22

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 46.496+/-1.268 χ^2/NDF: 1392.0/28

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

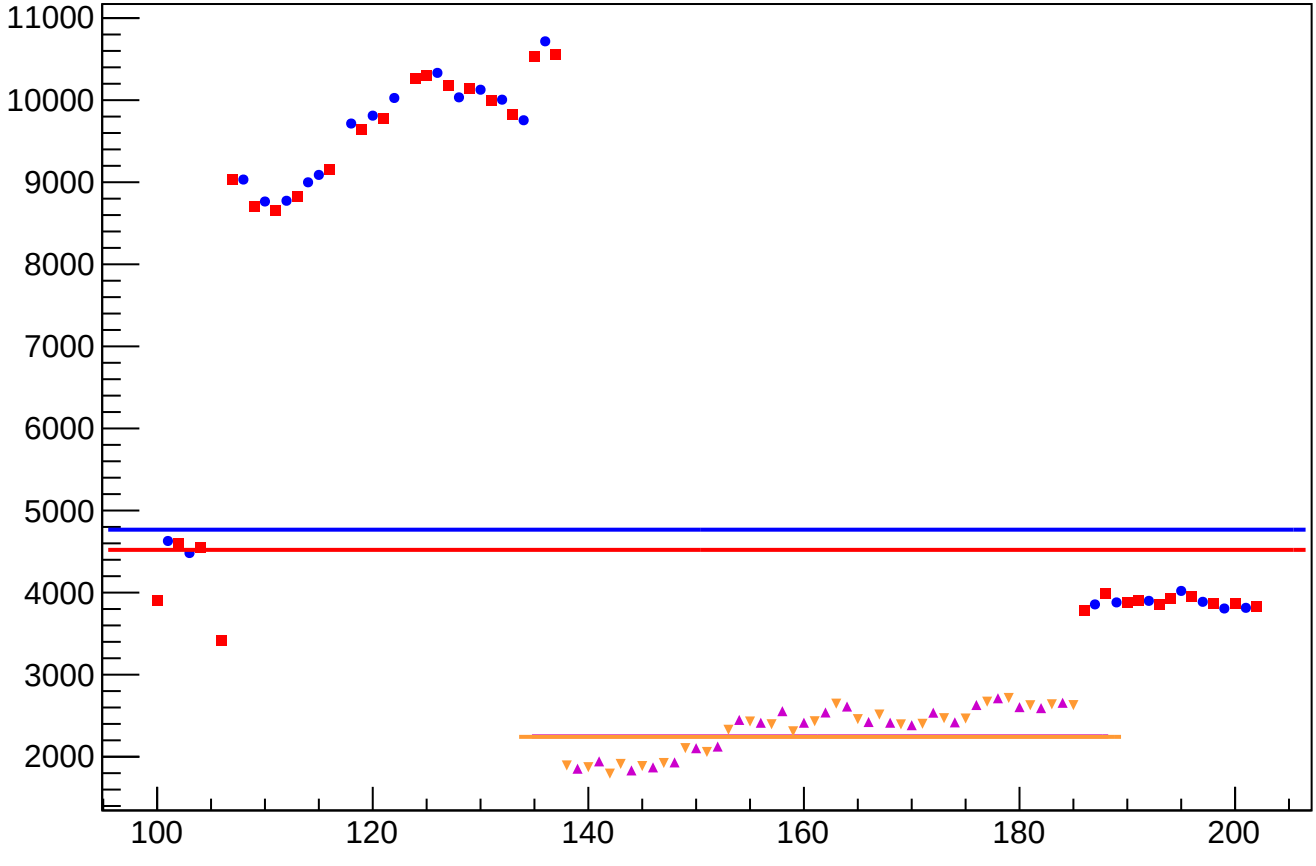
Right: 52.872+/-0.960 χ^2/NDF: 3207.2/51

In: 10.790+/-0.499 χ^2/NDF:3221.9/45

Out: 18.382+/-0.476 χ^2/NDF:2041.9/53

All: 14.760+/-0.344 χ^2/NDF: 5385.0/99

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4766.619+/-1.039 χ^2/NDF: 3690736.7/22

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4520.636+/-0.896 χ^2/NDF: 3803371.4/28

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

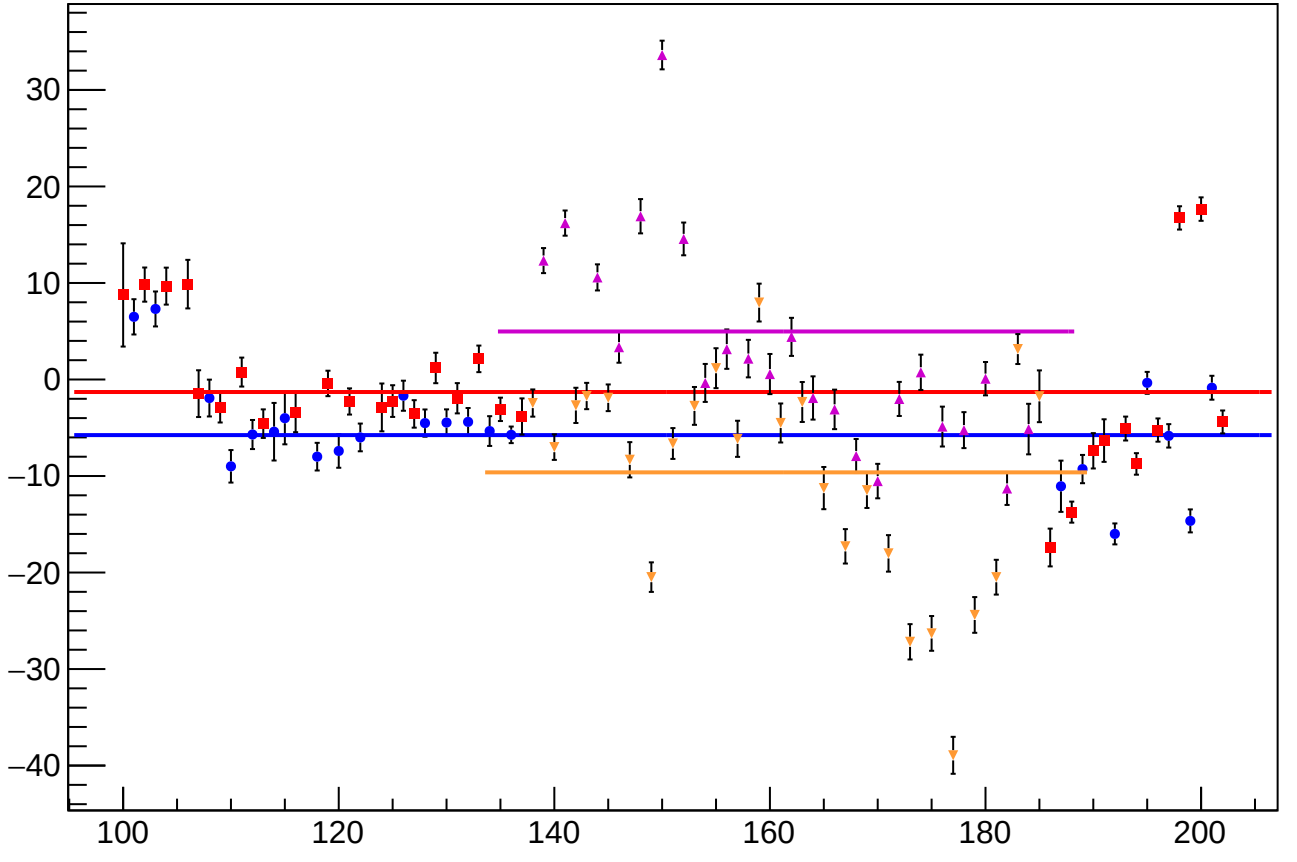
Right: 4625.569+/-0.679 χ^2/NDF: 7526227.5/51

In: 2538.372+/-0.353 χ^2/NDF:9527162.8/45

Out: 2563.975+/-0.337 χ^2/NDF:10008494.3/53

All: 2551.759+/-0.244 χ^2/NDF: 19538414.0/9

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -5.761+/-0.299 χ^2/NDF: 310.9/22

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -1.297+/-0.280 χ^2/NDF: 873.9/28

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

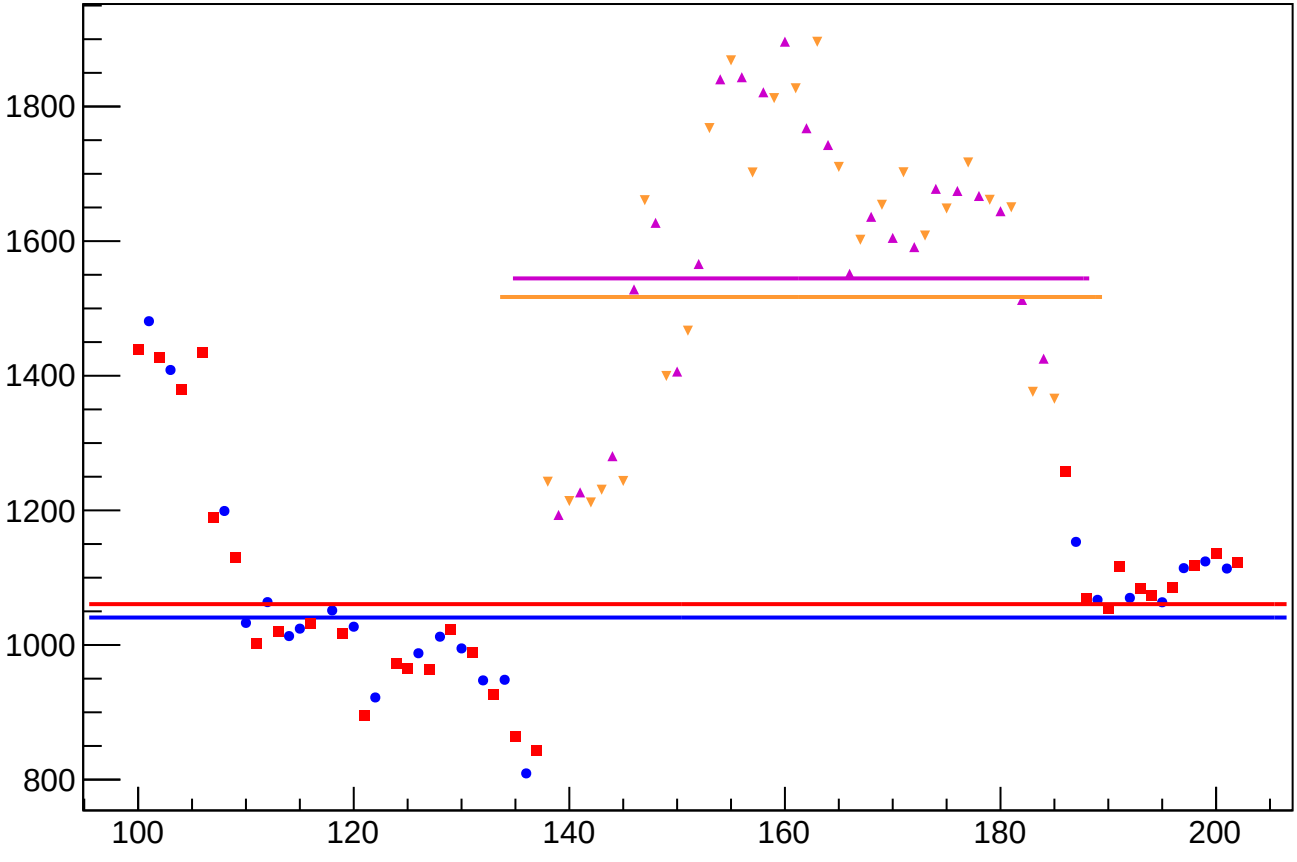
Right: -3.381+/-0.204 χ^2/NDF: 1303.8/51

In: -1.449+/-0.231 χ^2/NDF:1759.3/45

Out: -4.549+/-0.218 χ^2/NDF:2154.7/53

All: -3.088+/-0.159 χ^2/NDF: 4009.2/99

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1040.804+/-0.211 χ^2/NDF: 424157.2/22

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1060.705+/-0.198 χ^2/NDF: 404606.1/28

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

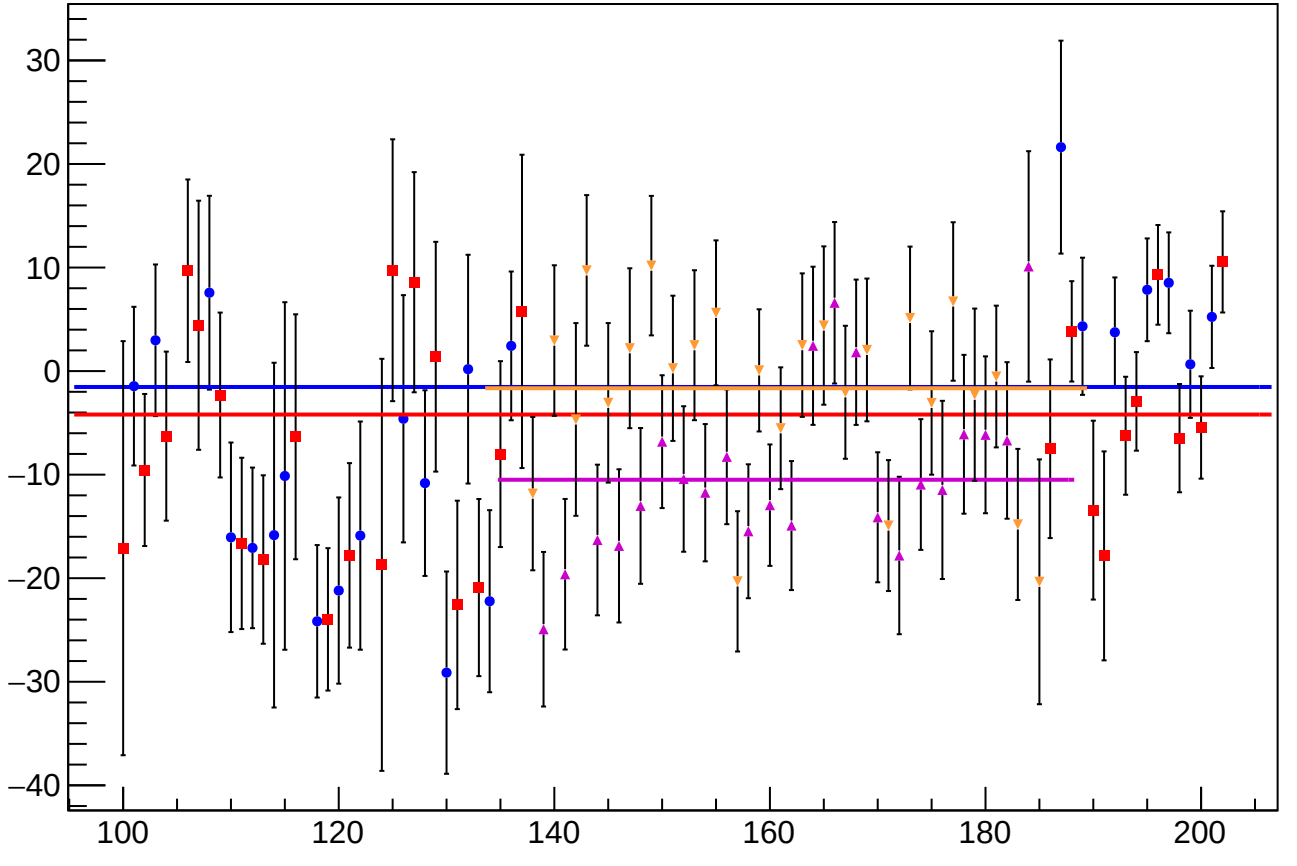
Right: 1051.416+/-0.144 χ^2/NDF: 833495.0/51

In: 1243.185+/-0.163 χ^2/NDF:3347513.6/45

Out: 1238.962+/-0.154 χ^2/NDF:3319641.9/53

All: 1240.952+/-0.112 χ^2/NDF: 6667508.4/99

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -1.534+/-1.540 χ^2/NDF: 56.5/22

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -4.196+/-1.380 χ^2/NDF: 54.4/28

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

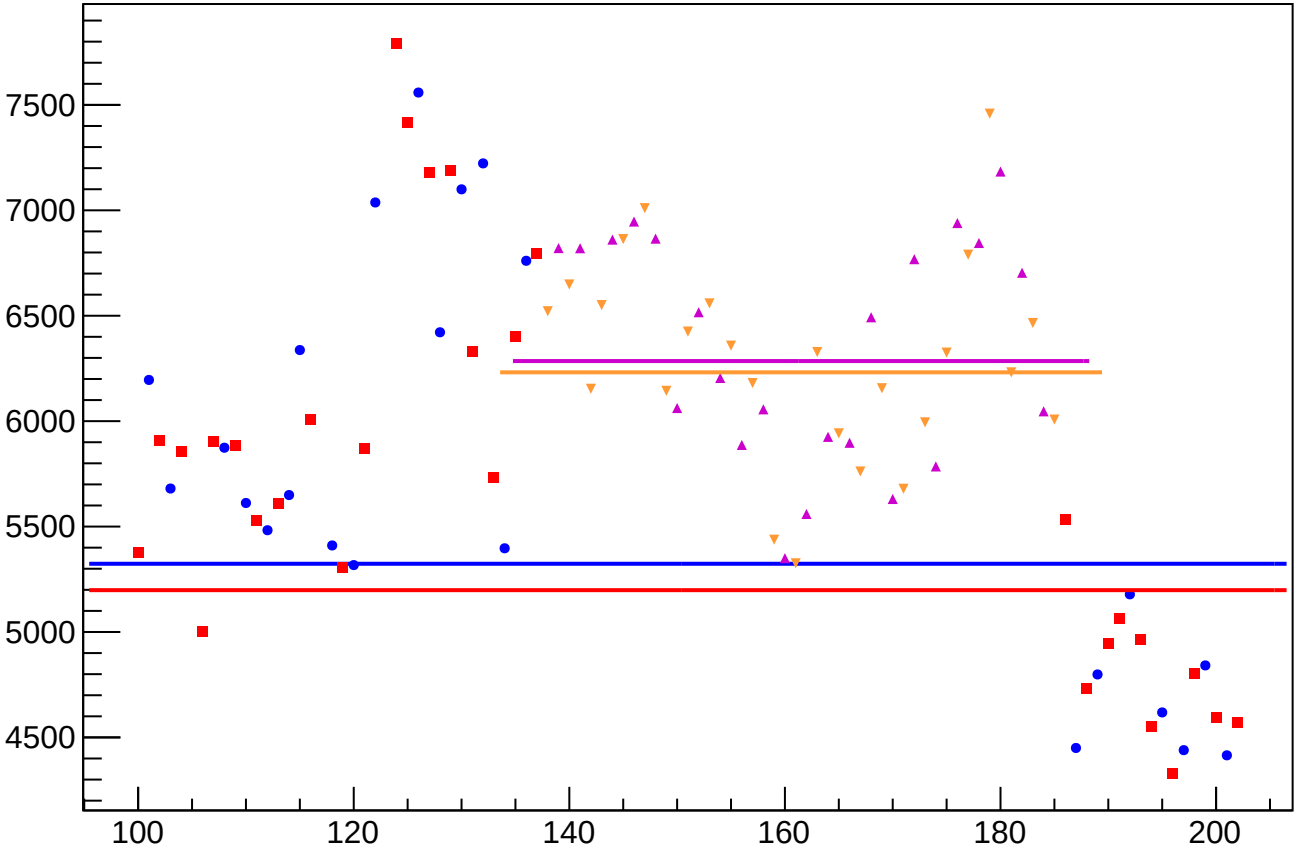
Right: -3.011+/-1.028 χ^2/NDF: 112.6/51

In: -6.193+/-1.067 χ^2/NDF:99.0/45

Out: -2.968+/-0.992 χ^2/NDF:87.5/53

All: -4.462+/-0.726 χ^2/NDF: 191.5/99

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5323.615+/-1.089 χ^2/NDF: 622613.5/22

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5198.396+/-0.976 χ^2/NDF: 607878.8/28

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

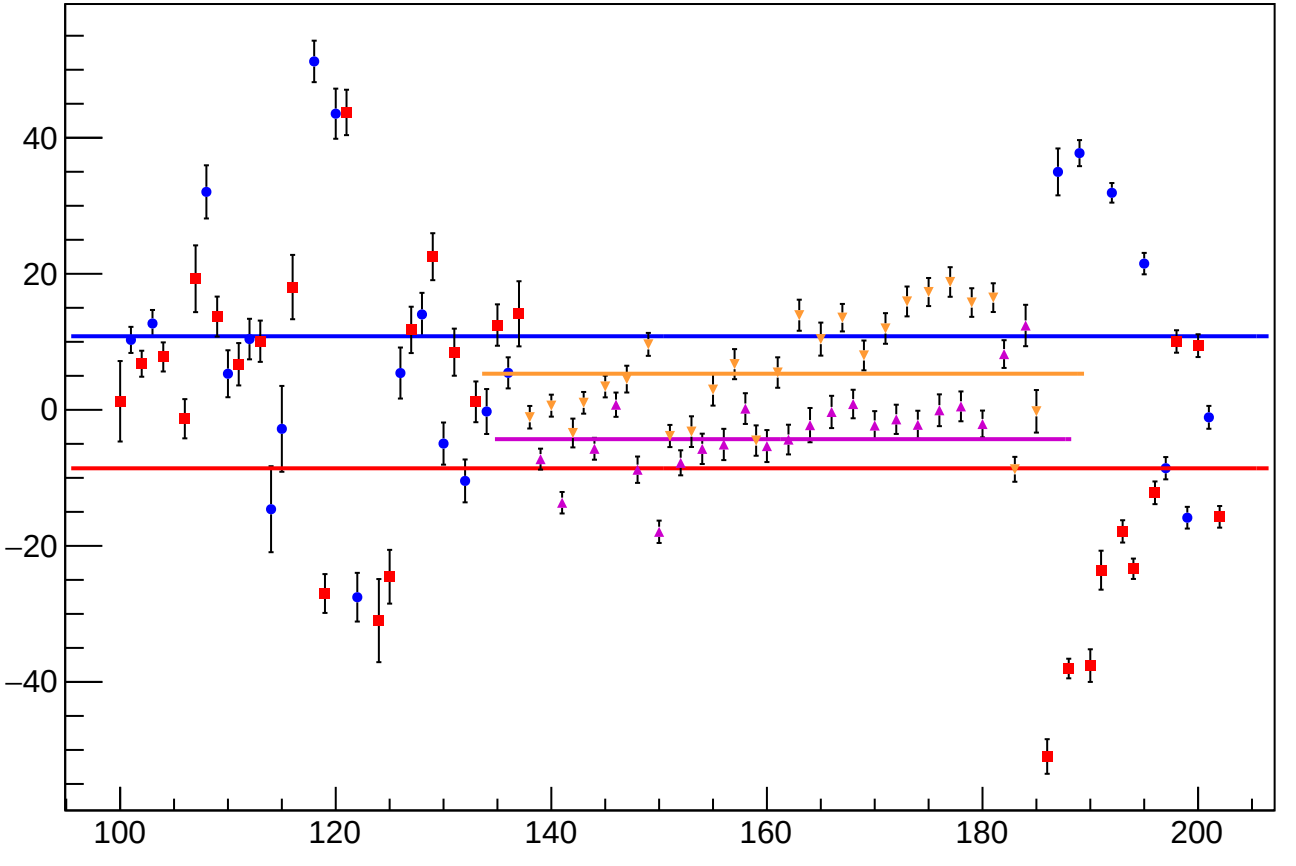
Right: 5254.147+/-0.727 χ^2/NDF: 1237824.6/51

In: 5823.633+/-0.755 χ^2/NDF:1293205.0/45

Out: 5697.915+/-0.701 χ^2/NDF:1376900.7/53

All: 5756.177+/-0.514 χ^2/NDF: 2685000.2/99

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 10.819+/-0.493 χ^2/NDF: 1490.2/22

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -8.595+/-0.443 χ^2/NDF: 2120.0/28

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

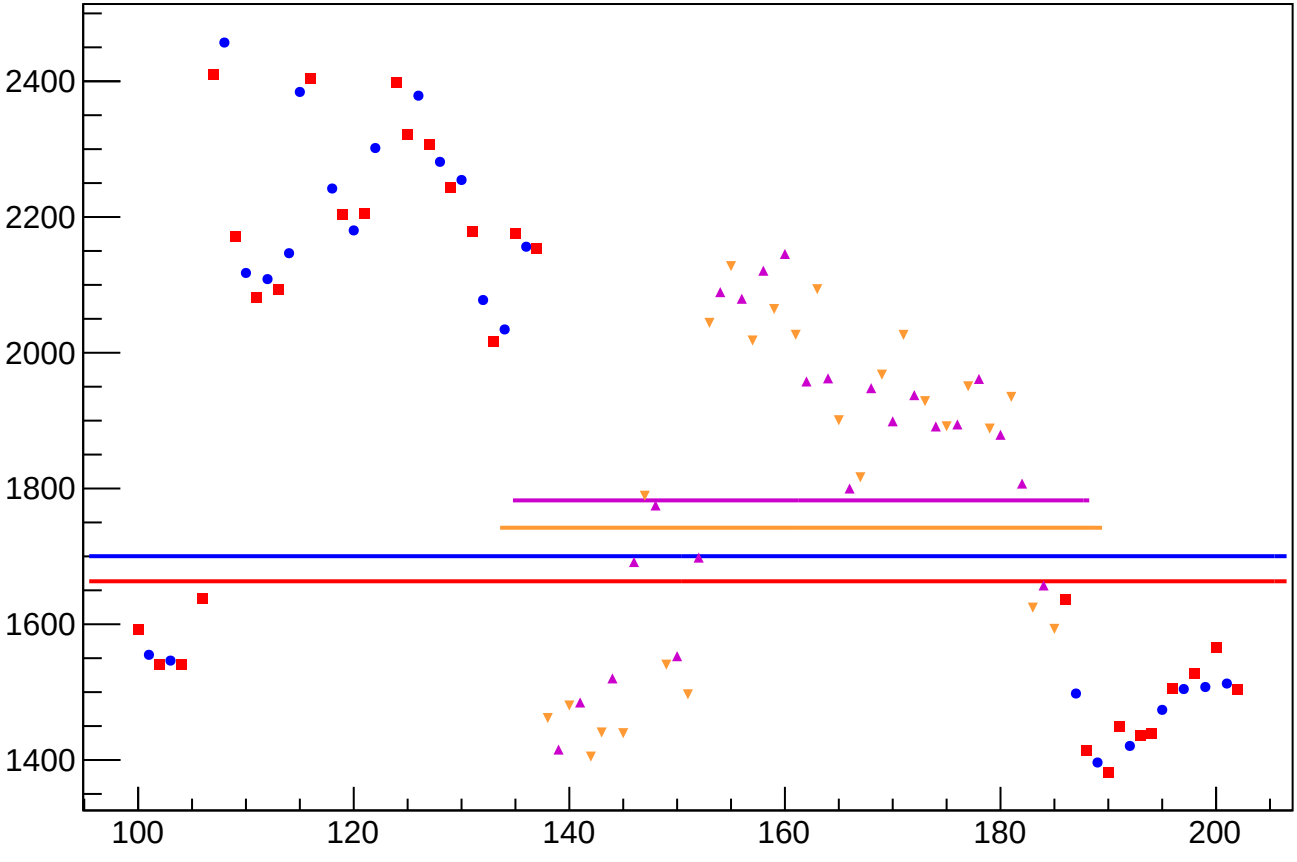
Right: 0.072+/-0.329 χ^2/NDF: 4468.7/51

In: 2.054+/-0.320 χ^2/NDF:2256.2/45

Out: -0.944+/-0.297 χ^2/NDF:3041.0/53

All: 0.444+/-0.218 χ^2/NDF: 5344.4/99

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1700.282+/-0.349 χ^2/NDF: 933641.8/22

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1663.315+/-0.313 χ^2/NDF: 973547.2/28

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

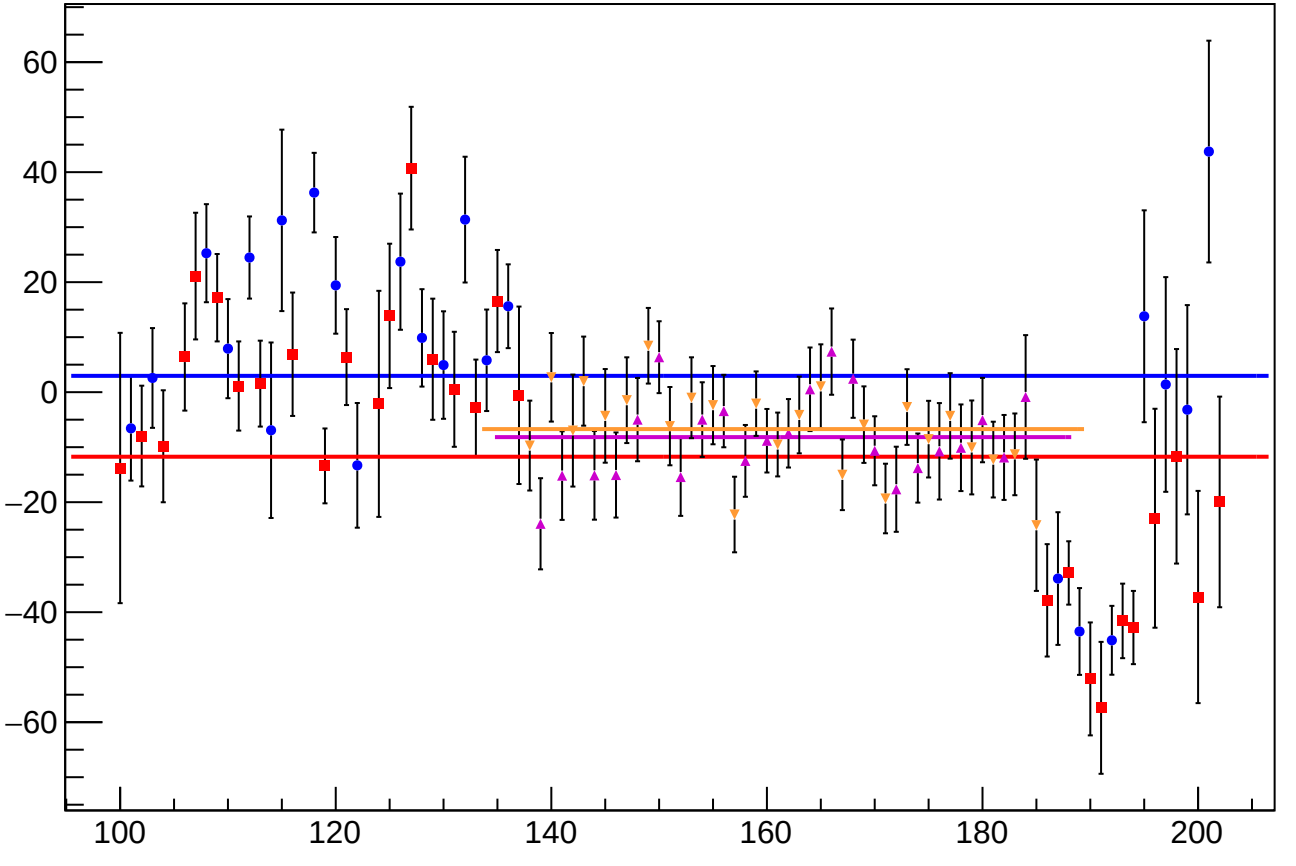
Right: 1679.817+/-0.233 χ^2/NDF: 1913413.5/51

In: 1747.918+/-0.226 χ^2/NDF:1500243.1/45

Out: 1706.722+/-0.210 χ^2/NDF:1776157.7/53

All: 1725.799+/-0.154 χ^2/NDF: 3294226.0/99

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.968+/-2.046 χ^2/NDF: 166.0/22

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.736+/-1.812 χ^2/NDF: 171.9/28

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

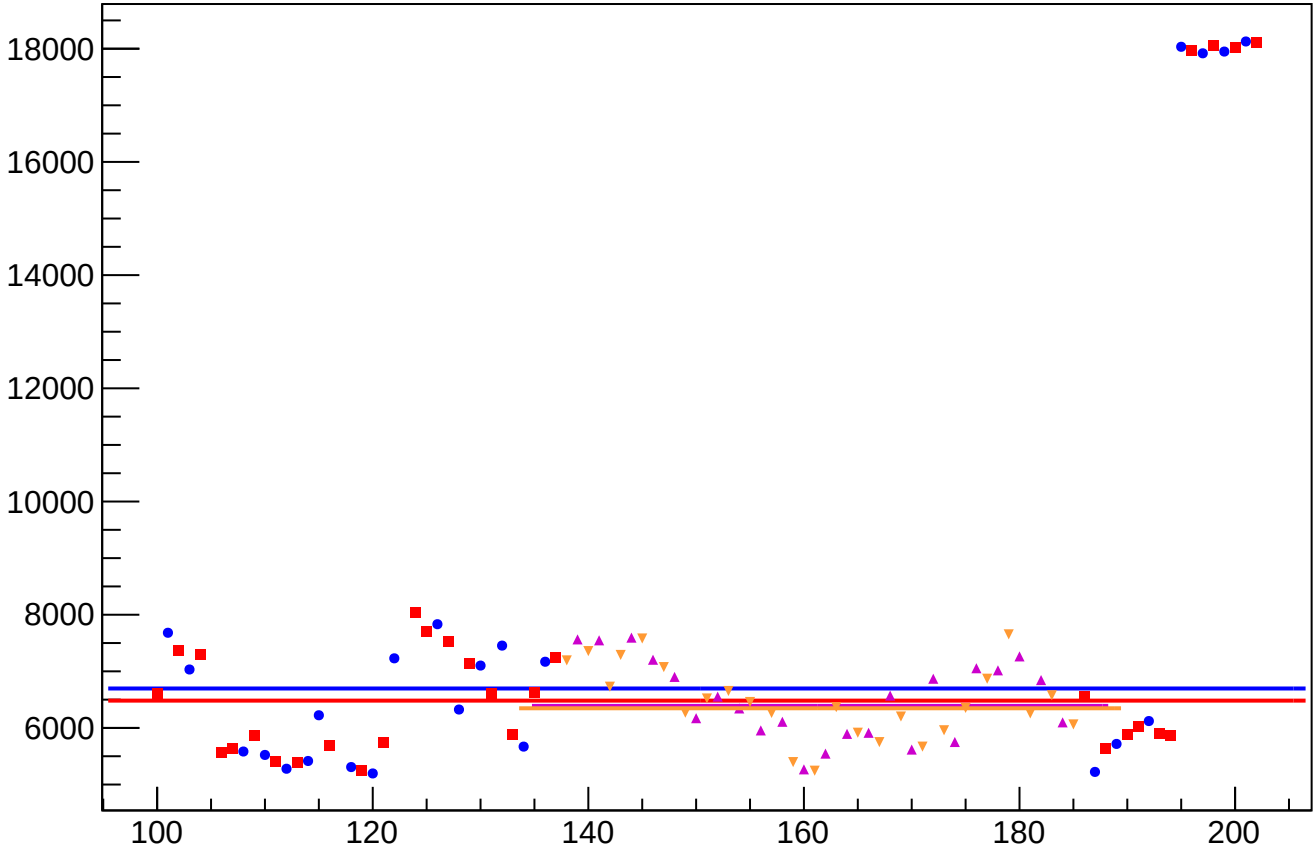
Right: -5.271+/-1.357 χ^2/NDF: 366.8/51

In: -4.243+/-1.215 χ^2/NDF:209.3/45

Out: -8.686+/-1.136 χ^2/NDF:202.2/53

All: -6.614+/-0.830 χ^2/NDF: 418.7/99

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6696.919+/-1.447 χ^2/NDF: 3152062.8/22

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6482.638+/-1.281 χ^2/NDF: 3214110.0/28

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

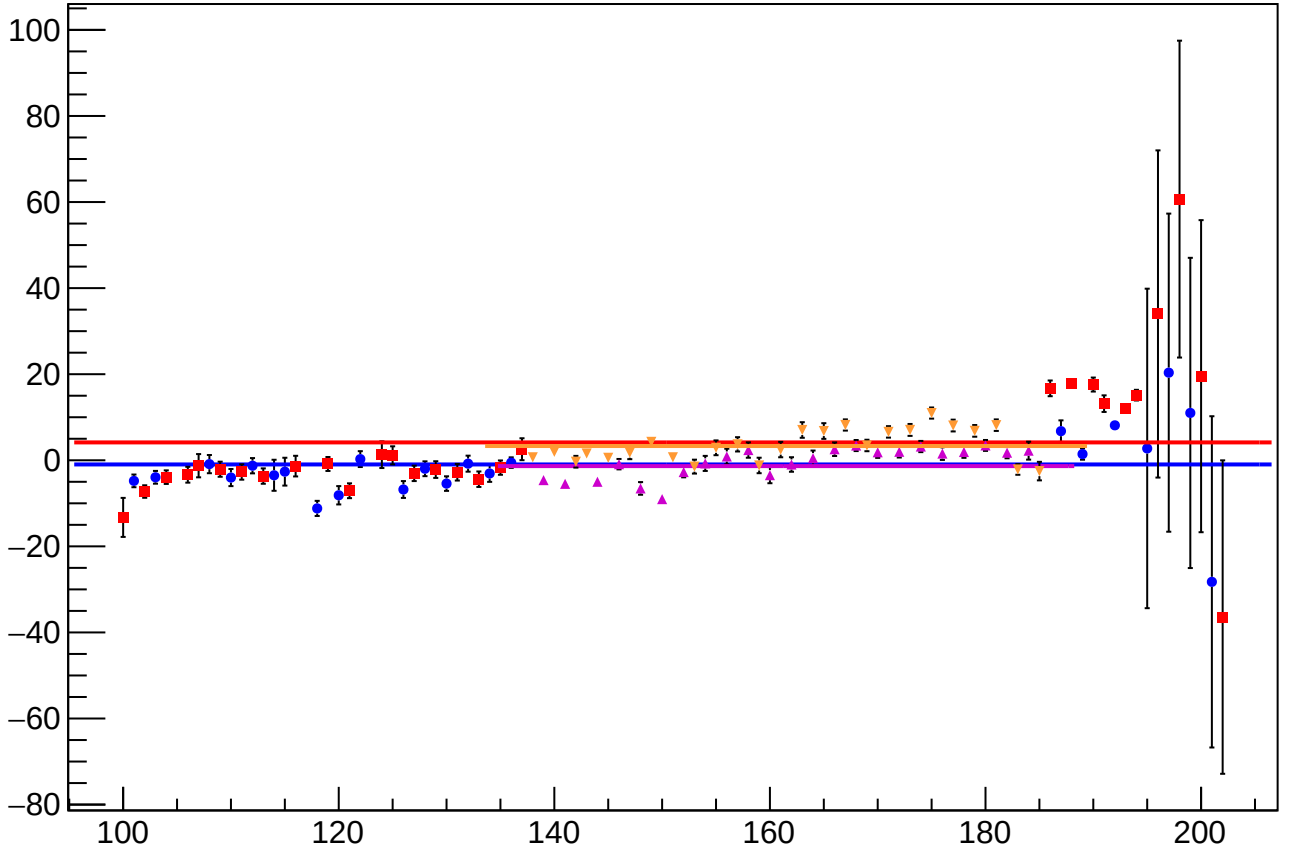
Right: 6576.844+/-0.959 χ^2/NDF: 6378466.4/51

In: 6497.853+/-0.859 χ^2/NDF:3601065.8/45

Out: 6400.462+/-0.803 χ^2/NDF:3606909.3/53

All: 6445.886+/-0.587 χ^2/NDF: 7214832.9/99

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.968+/-0.386 χ^2/NDF: 179.9/22

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.151+/-0.342 χ^2/NDF: 748.8/28

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

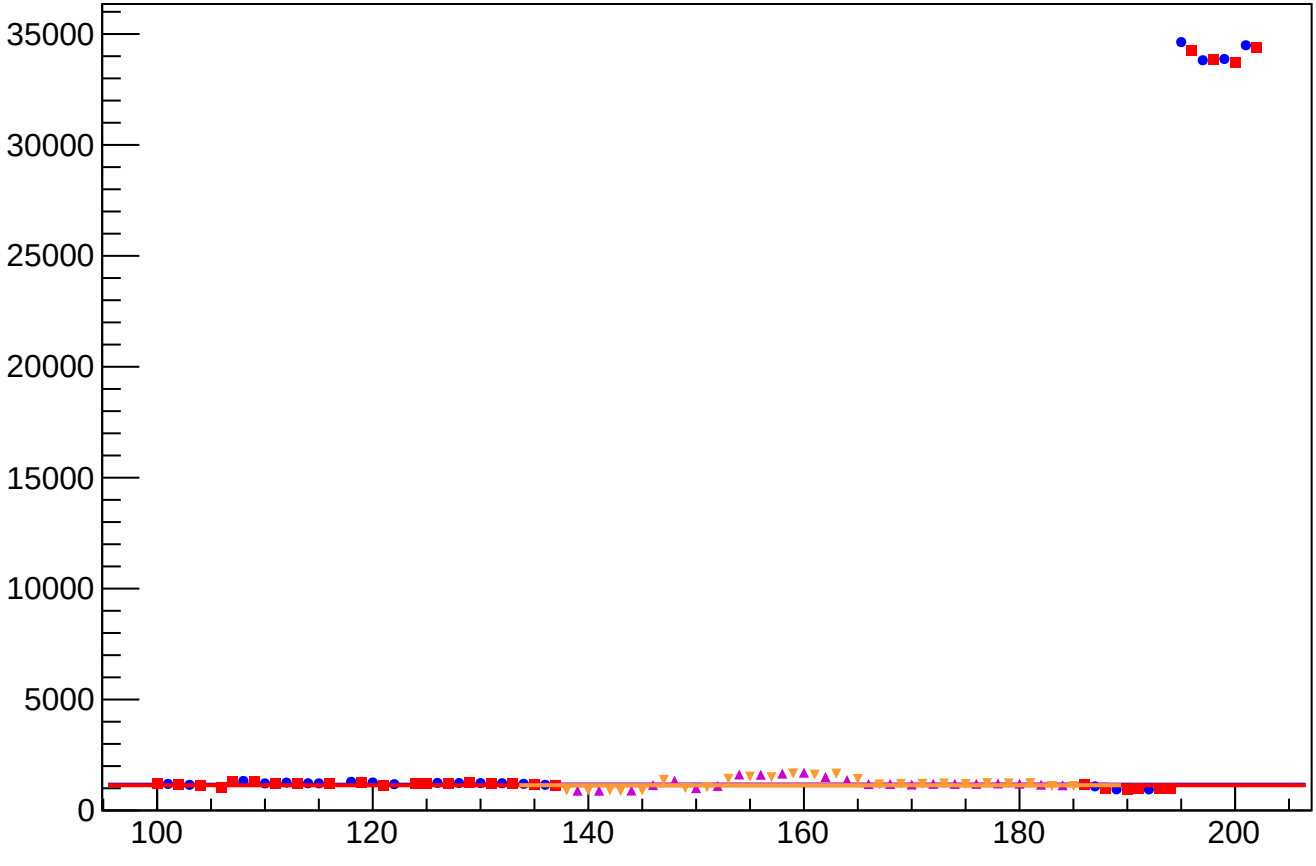
Right: 1.899+/-0.256 χ^2/NDF: 1027.2/51

In: -1.224+/-0.225 χ^2/NDF:376.8/45

Out: 3.625+/-0.209 χ^2/NDF:930.5/53

All: 1.375+/-0.153 χ^2/NDF: 1556.5/99

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1162.019+/-0.273 χ^2/NDF: 6538934.9/22

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1134.582+/-0.242 χ^2/NDF: 6601610.5/28

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

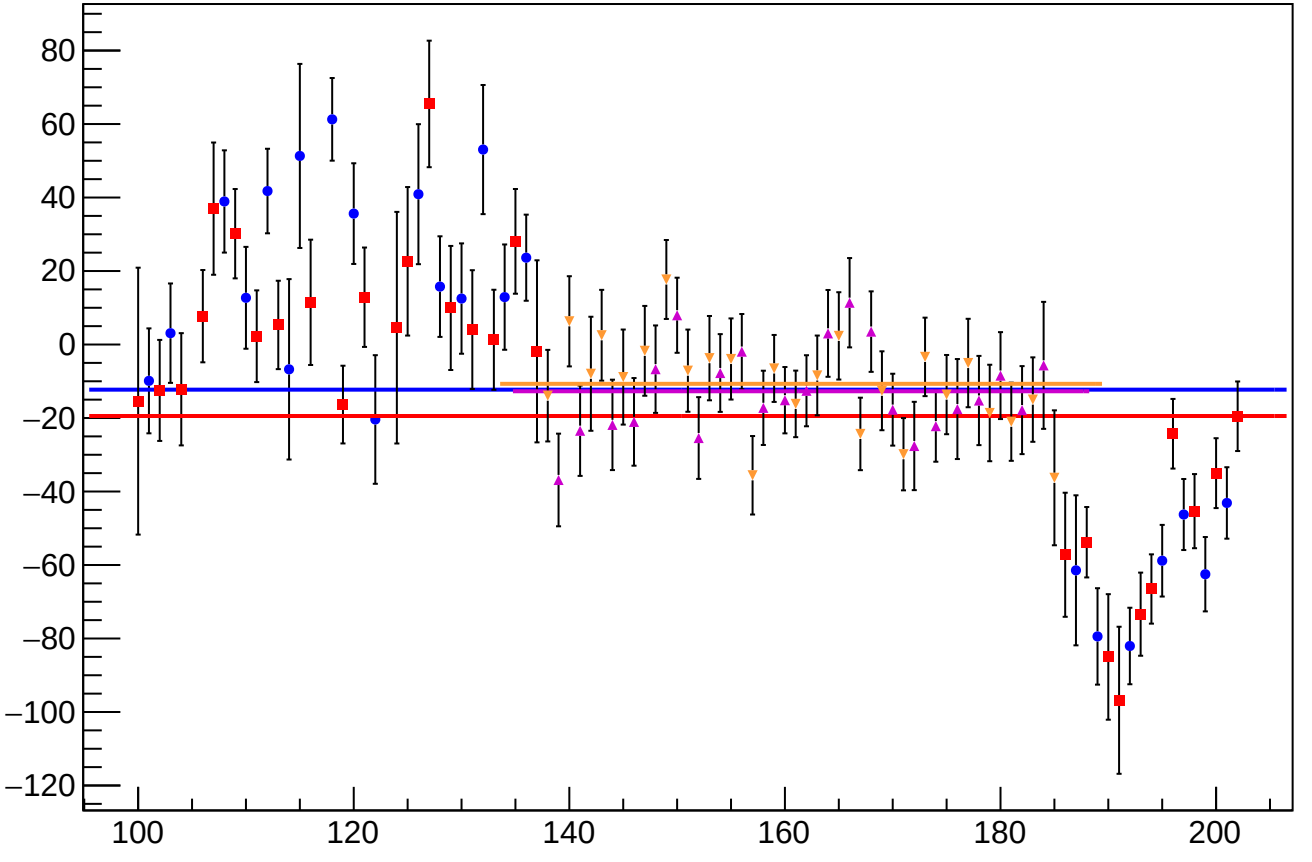
Right: 1146.651+/-0.181 χ^2/NDF: 13146205.8/51

In: 1160.310+/-0.159 χ^2/NDF:7798787.8/45

Out: 1136.190+/-0.148 χ^2/NDF:8071367.2/53

All: 1147.381+/-0.108 χ^2/NDF: 15882489.9/9

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -12.283+/-2.722 χ^2/NDF: 289.7/22

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -19.453+/-2.451 χ^2/NDF: 201.1/28

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

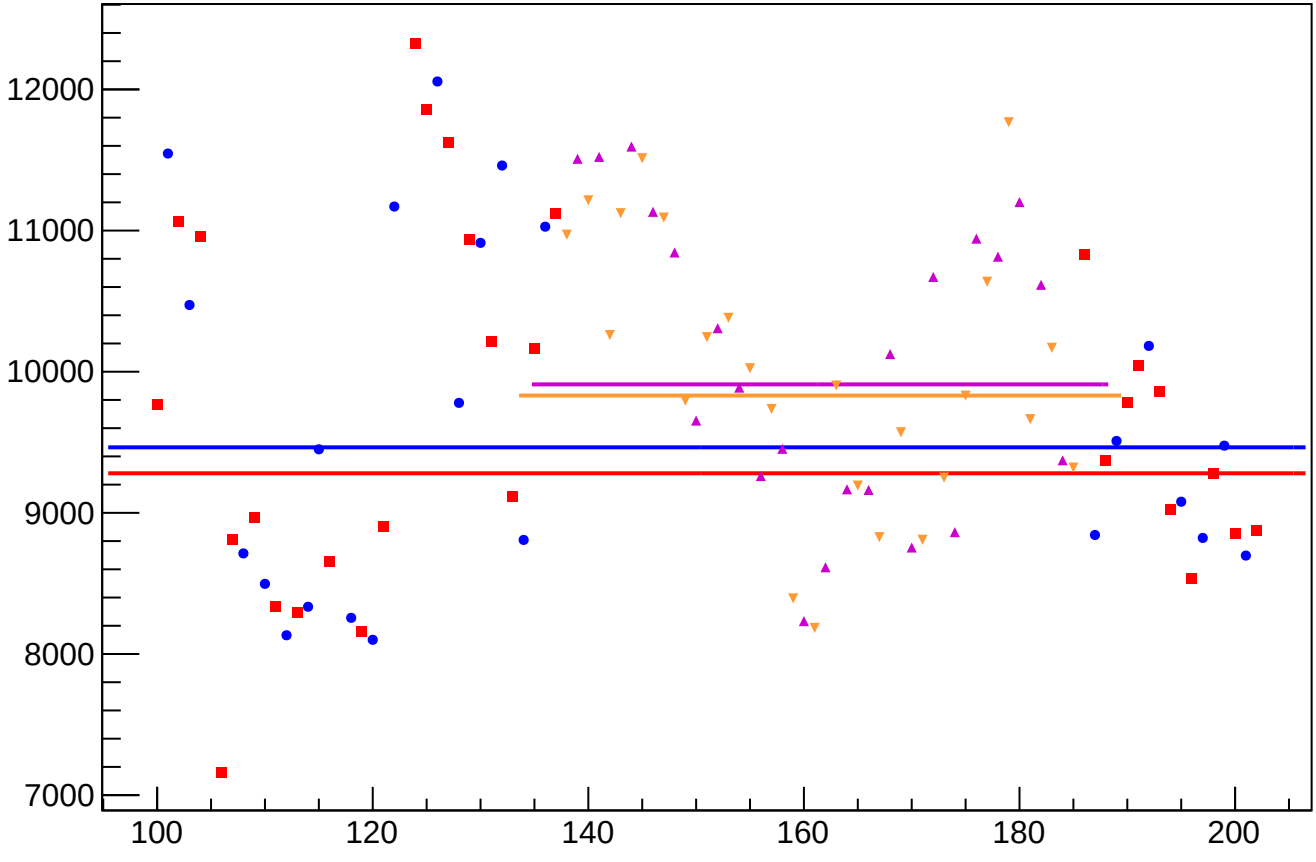
Right: -16.242+/-1.821 χ^2/NDF: 494.6/51

In: -12.533+/-1.775 χ^2/NDF:313.8/45

Out: -14.715+/-1.660 χ^2/NDF:236.7/53

All: -13.696+/-1.213 χ^2/NDF: 551.3/99

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9464.175+/-1.925 χ^2/NDF: 320261.5/22

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9280.357+/-1.733 χ^2/NDF: 351202.1/28

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

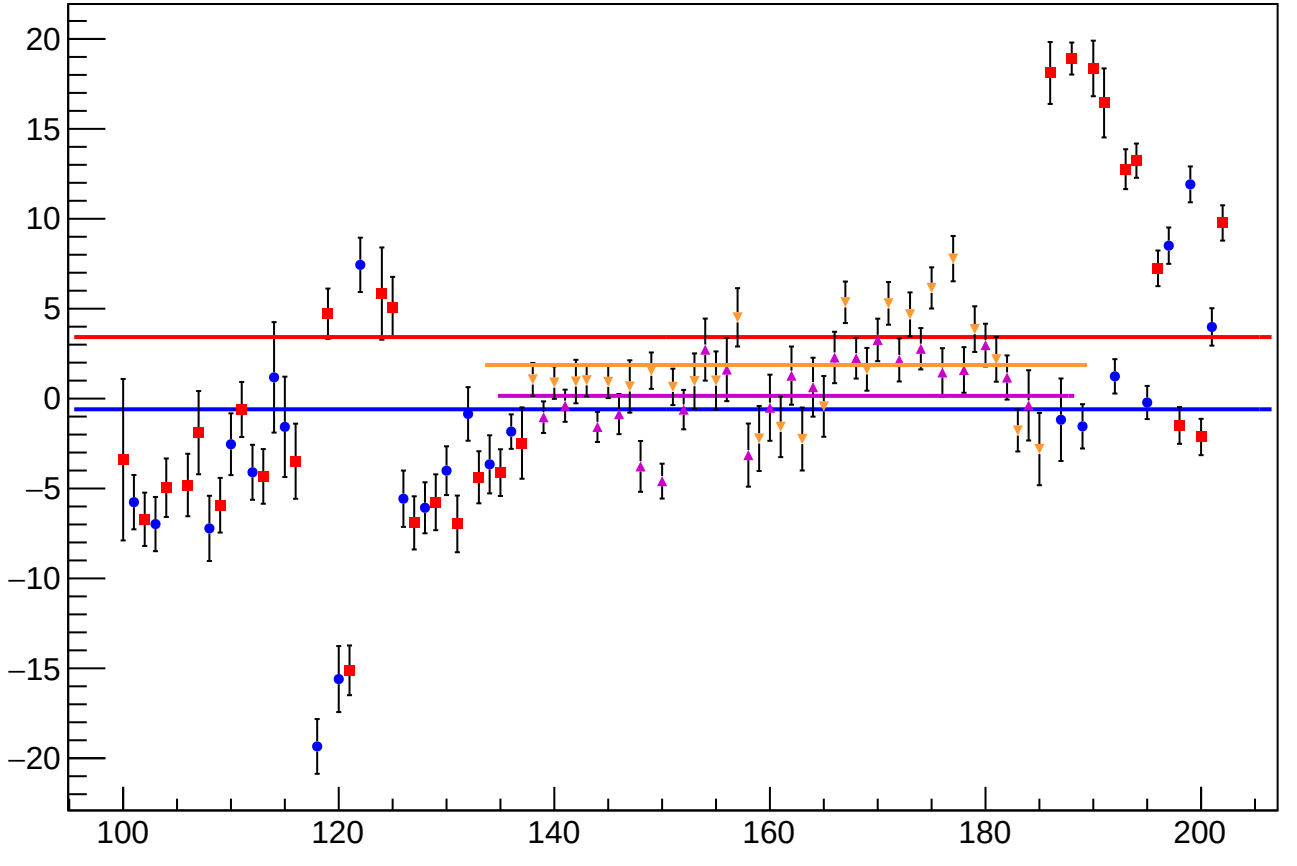
Right: 9362.681+/-1.288 χ^2/NDF: 676500.4/51

In: 9720.614+/-1.255 χ^2/NDF:740516.0/45

Out: 9578.498+/-1.174 χ^2/NDF:761999.1/53

All: 9644.834+/-0.857 χ^2/NDF: 1509353.5/99

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.595+/-0.280 χ^2/NDF: 595.8/22

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.422+/-0.256 χ^2/NDF: 1368.2/28

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

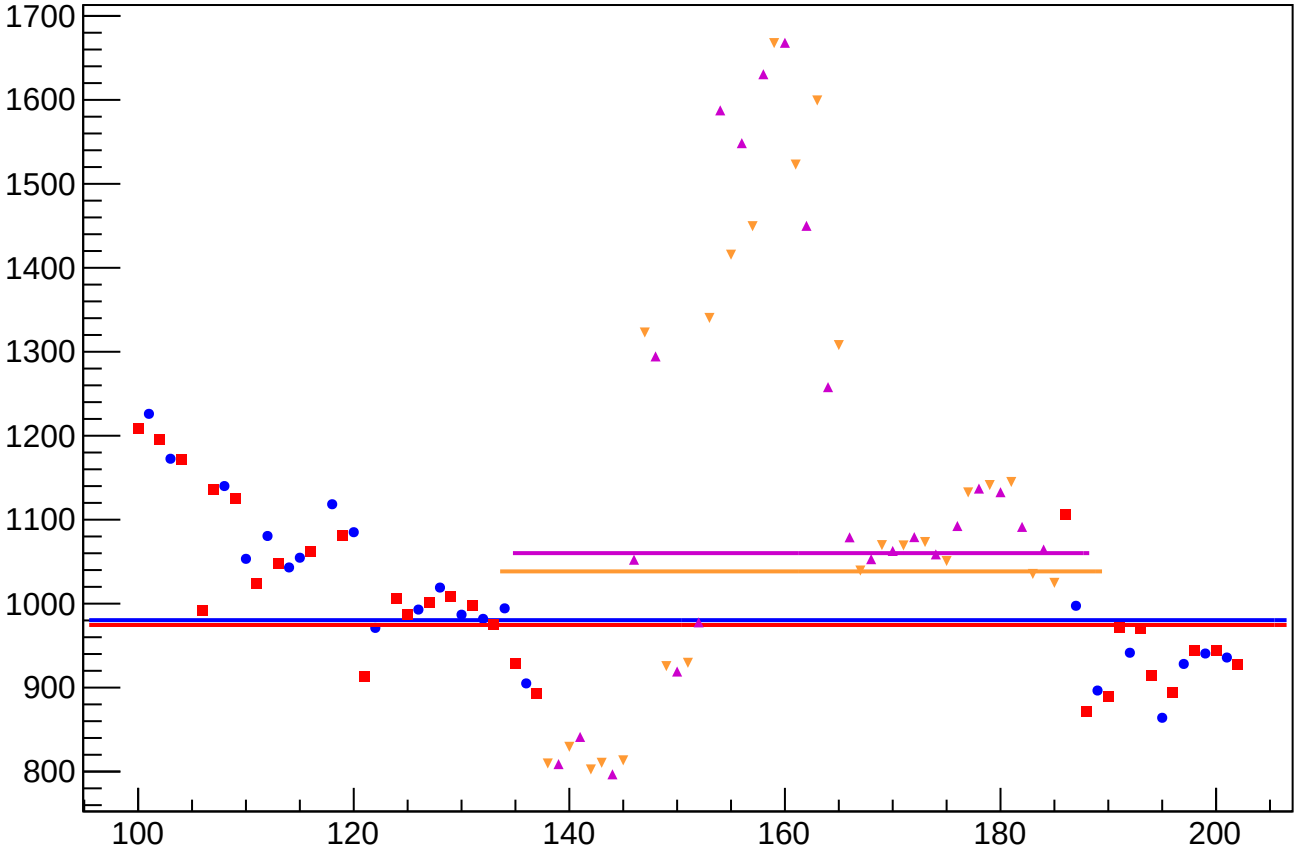
Right: 1.594+/-0.189 χ^2/NDF: 2076.1/51

In: -0.186+/-0.188 χ^2/NDF:675.4/45

Out: 2.604+/-0.176 χ^2/NDF:1490.8/53

All: 1.303+/-0.129 χ^2/NDF: 2283.2/99

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 980.328+/-0.198 χ^2/NDF: 209180.1/22

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 974.586+/-0.181 χ^2/NDF: 216578.9/28

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

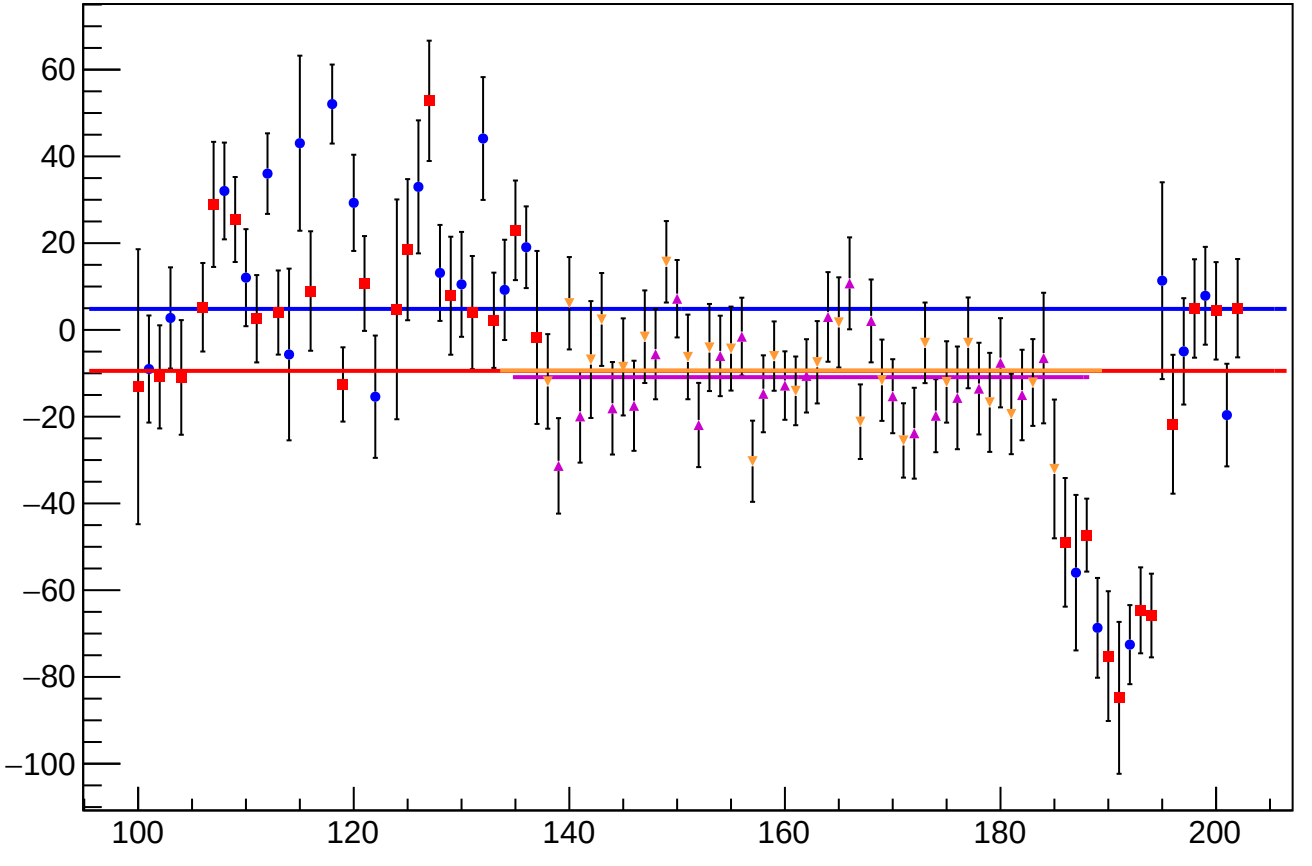
Right: 977.199+/-0.134 χ^2/NDF: 426217.1/51

In: 1024.058+/-0.133 χ^2/NDF:1821413.3/45

Out: 1008.199+/-0.125 χ^2/NDF:1988745.1/53

All: 1015.596+/-0.091 χ^2/NDF: 3817724.1/99

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 4.843+/-2.492 χ^2/NDF: 200.4/22

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -9.442+/-2.229 χ^2/NDF: 201.7/28

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

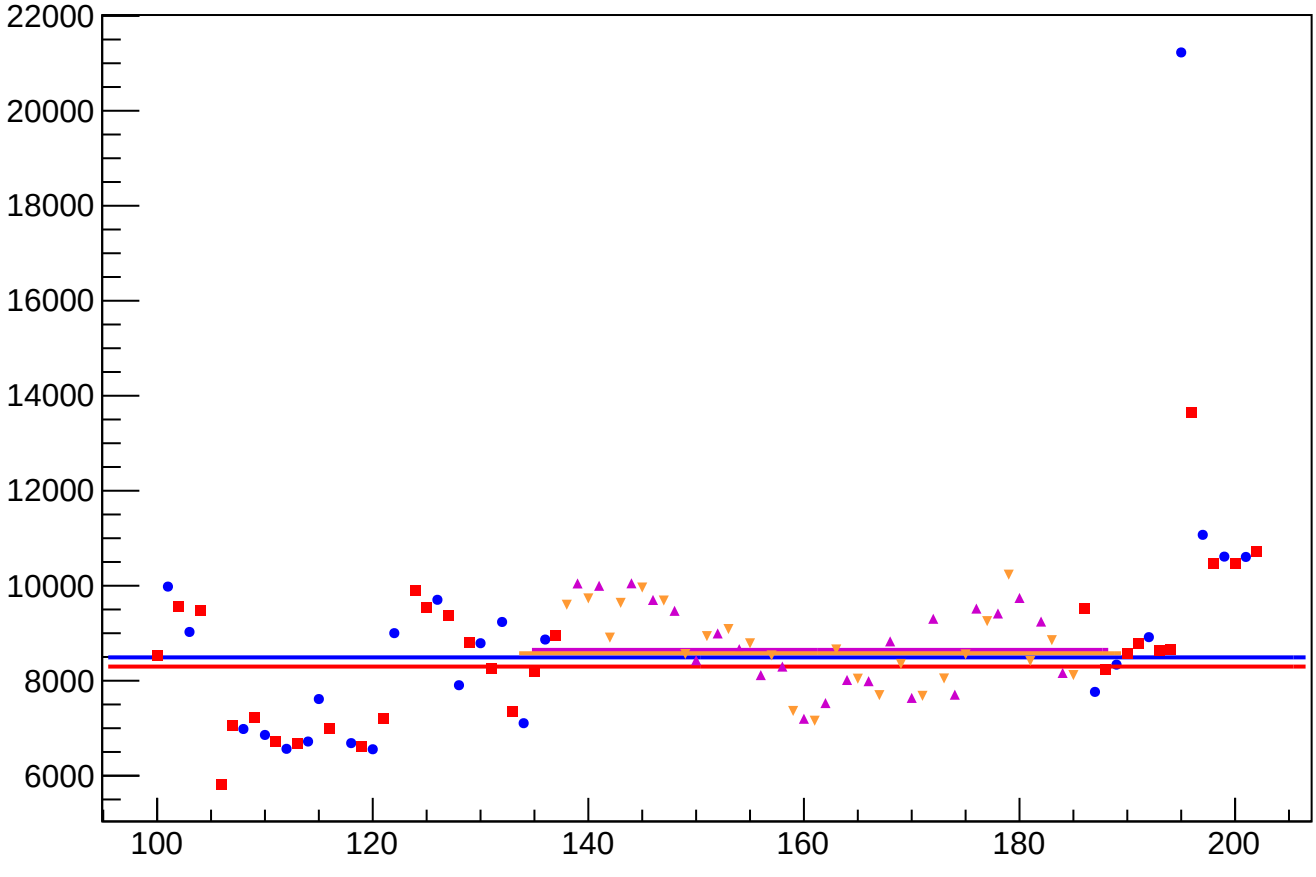
Right: -3.093+/-1.661 χ^2/NDF: 420.3/51

In: -4.568+/-1.580 χ^2/NDF:247.8/45

Out: -9.393+/-1.476 χ^2/NDF:230.2/53

All: -7.145+/-1.078 χ^2/NDF: 483.0/99

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8491.630+/-1.762 χ^2/NDF: 1278749.9/22

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8297.872+/-1.576 χ^2/NDF: 950277.1/28

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

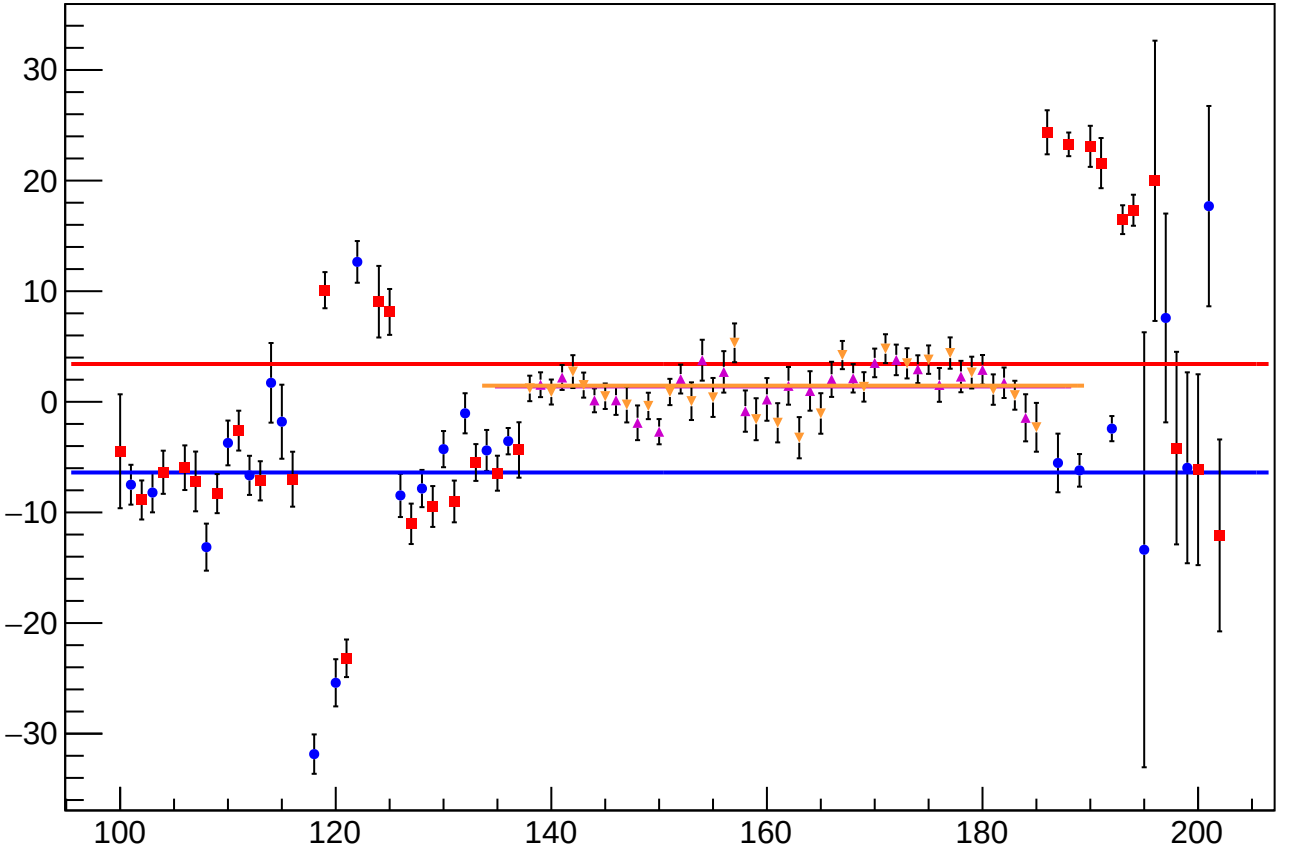
Right: 8383.989+/-1.175 χ^2/NDF: 2235745.9/51

In: 8585.891+/-1.117 χ^2/NDF:1661467.7/45

Out: 8455.406+/-1.043 χ^2/NDF:1311793.1/53

All: 8516.215+/-0.762 χ^2/NDF: 2980548.2/99

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.389+/-0.405 χ^2/NDF: 446.9/22

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.419+/-0.360 χ^2/NDF: 1561.1/28

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

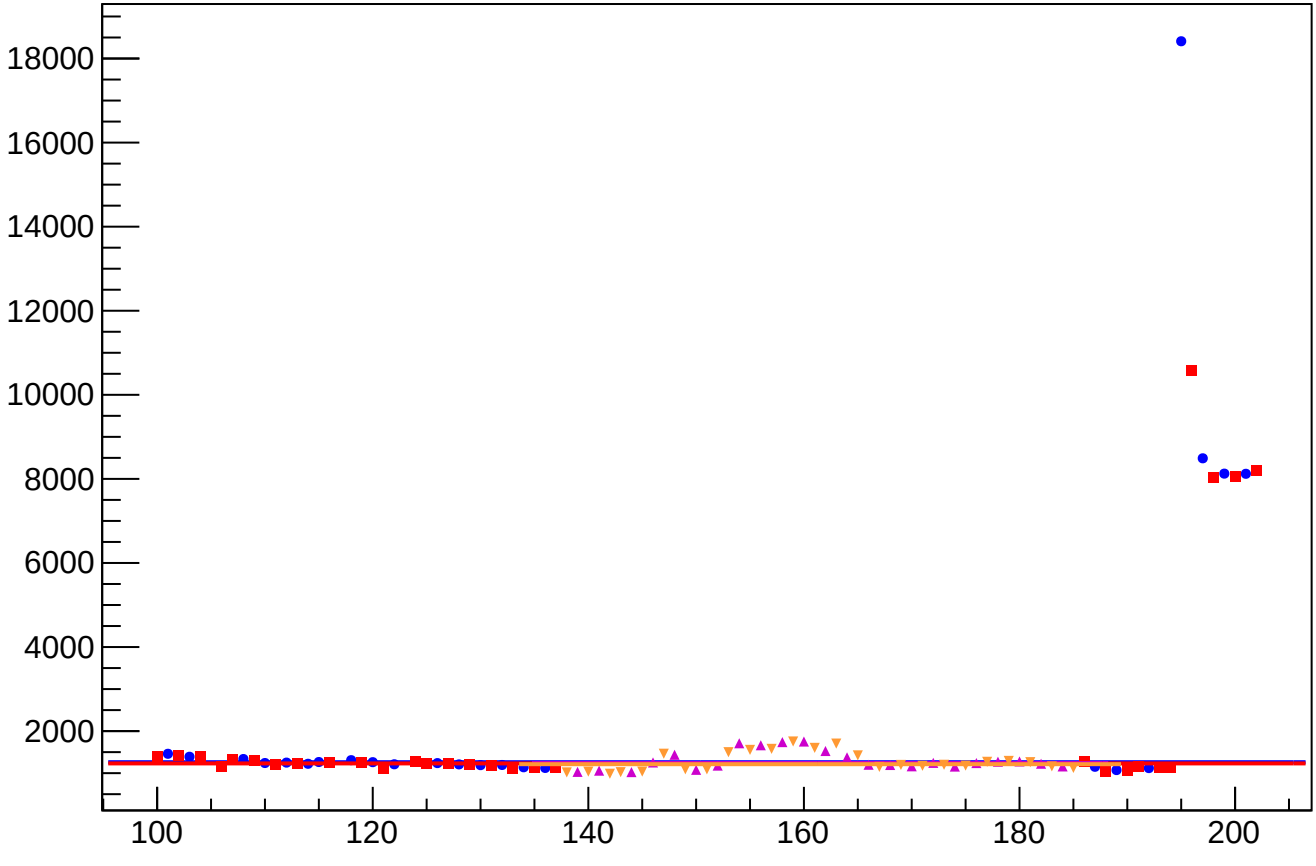
Right: -0.910+/-0.269 χ^2/NDF: 2335.5/51

In: -1.297+/-0.238 χ^2/NDF:723.7/45

Out: 2.201+/-0.221 χ^2/NDF:1630.6/53

All: 0.580+/-0.162 χ^2/NDF: 2470.1/99

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1260.546+/-0.286 χ^2/NDF: 5258717.3/22

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1231.681+/-0.255 χ^2/NDF: 5029668.7/28

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

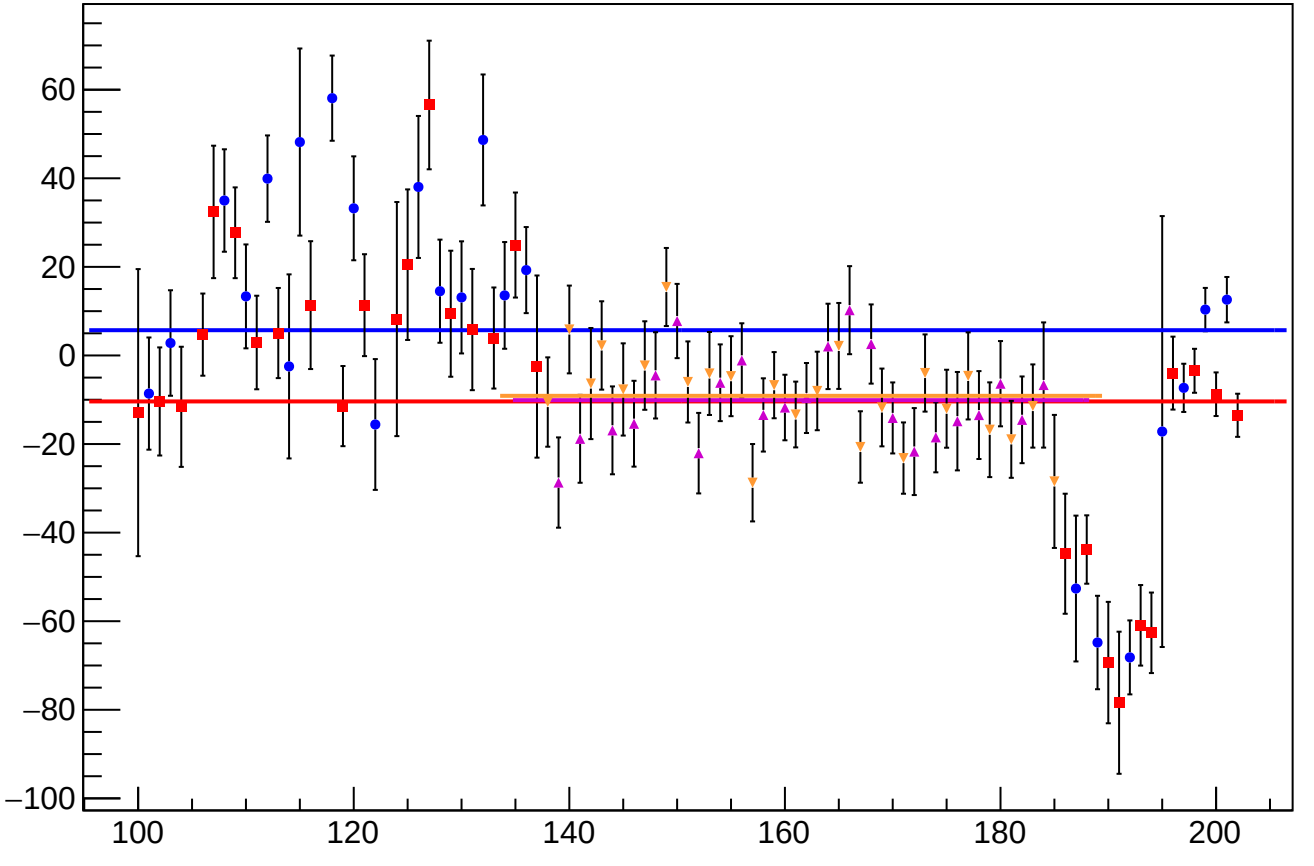
Right: 1244.420+/-0.190 χ^2/NDF: 10294058.4/51

In: 1246.556+/-0.168 χ^2/NDF:6147957.7/45

Out: 1220.219+/-0.156 χ^2/NDF:6045688.1/53

All: 1232.426+/-0.115 χ^2/NDF: 12206775.5/9

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 5.702+/-2.015 χ^2/NDF: 221.9/22

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -10.379+/-1.786 χ^2/NDF: 202.0/28

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

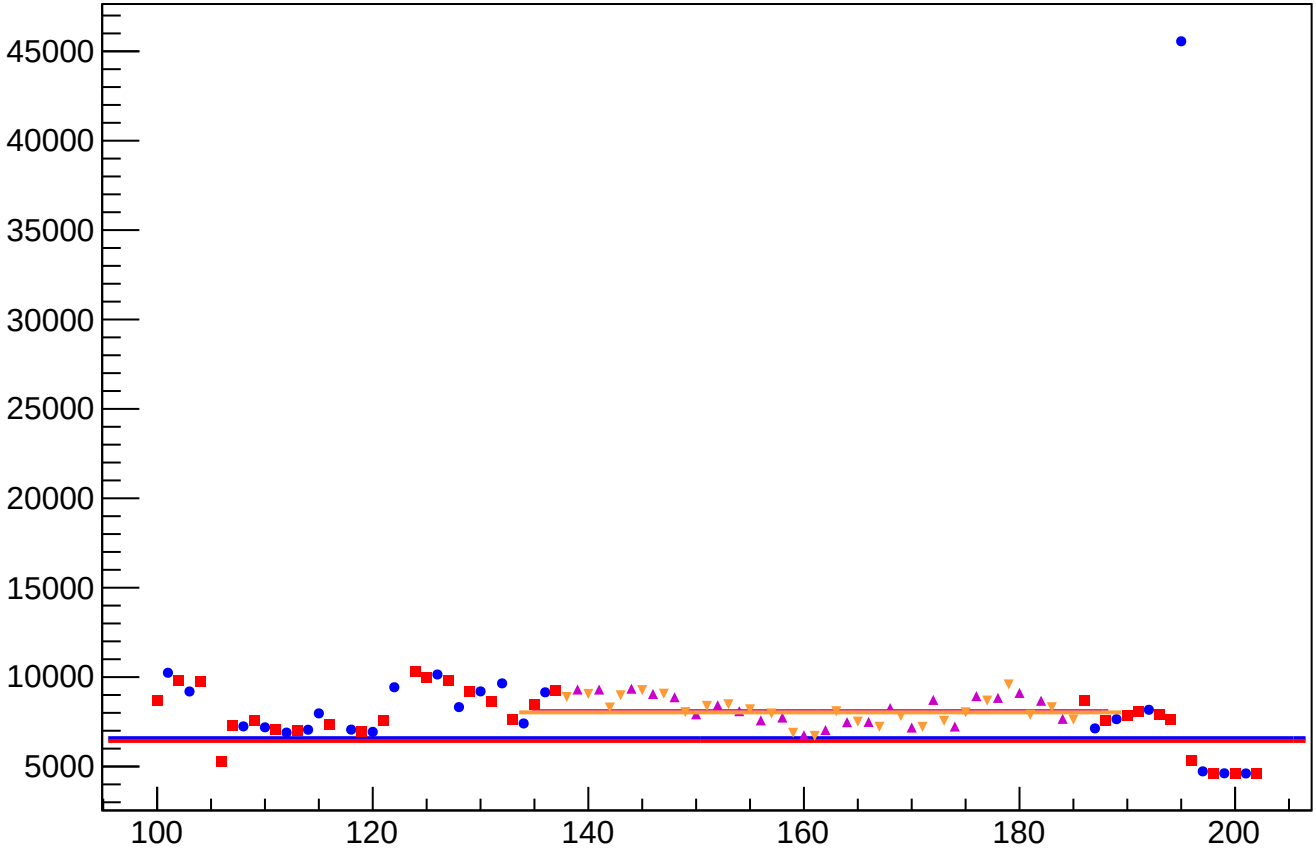
Right: -3.302+/-1.337 χ^2/NDF: 459.6/51

In: -2.613+/-1.387 χ^2/NDF:278.5/45

Out: -9.766+/-1.283 χ^2/NDF:231.0/53

All: -6.468+/-0.942 χ^2/NDF: 523.9/99

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 6583.402+/-1.425 χ^2/NDF: 3060952.9/22

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6431.894+/-1.263 χ^2/NDF: 1975824.9/28

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

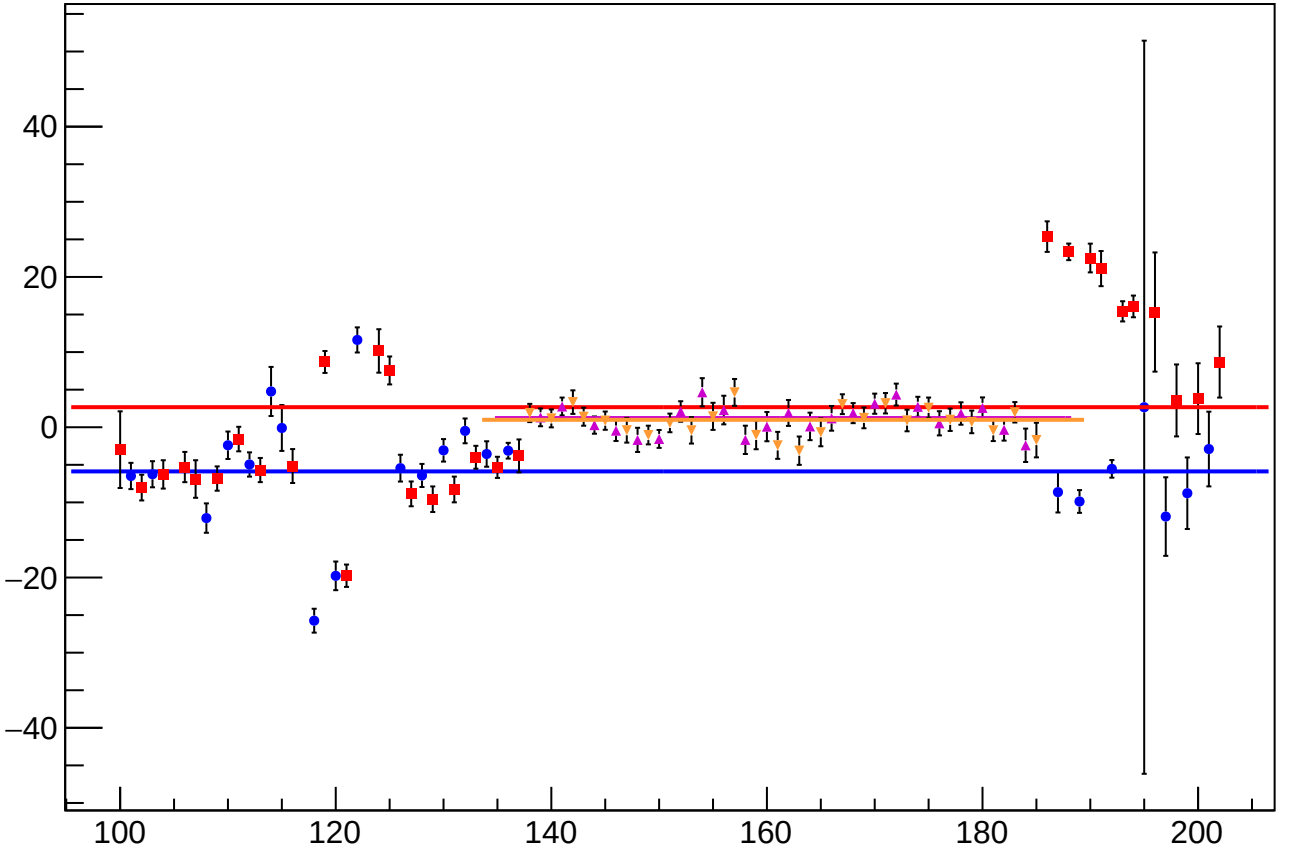
Right: 6498.572+/-0.945 χ^2/NDF: 5043109.6/51

In: 7379.253+/-0.981 χ^2/NDF:4021207.3/45

Out: 7205.295+/-0.907 χ^2/NDF:3082005.2/53

All: 7285.498+/-0.666 χ^2/NDF: 7120176.8/99

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.878+/-0.376 χ^2/NDF: 380.7/22

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.670+/-0.340 χ^2/NDF: 1460.4/28

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

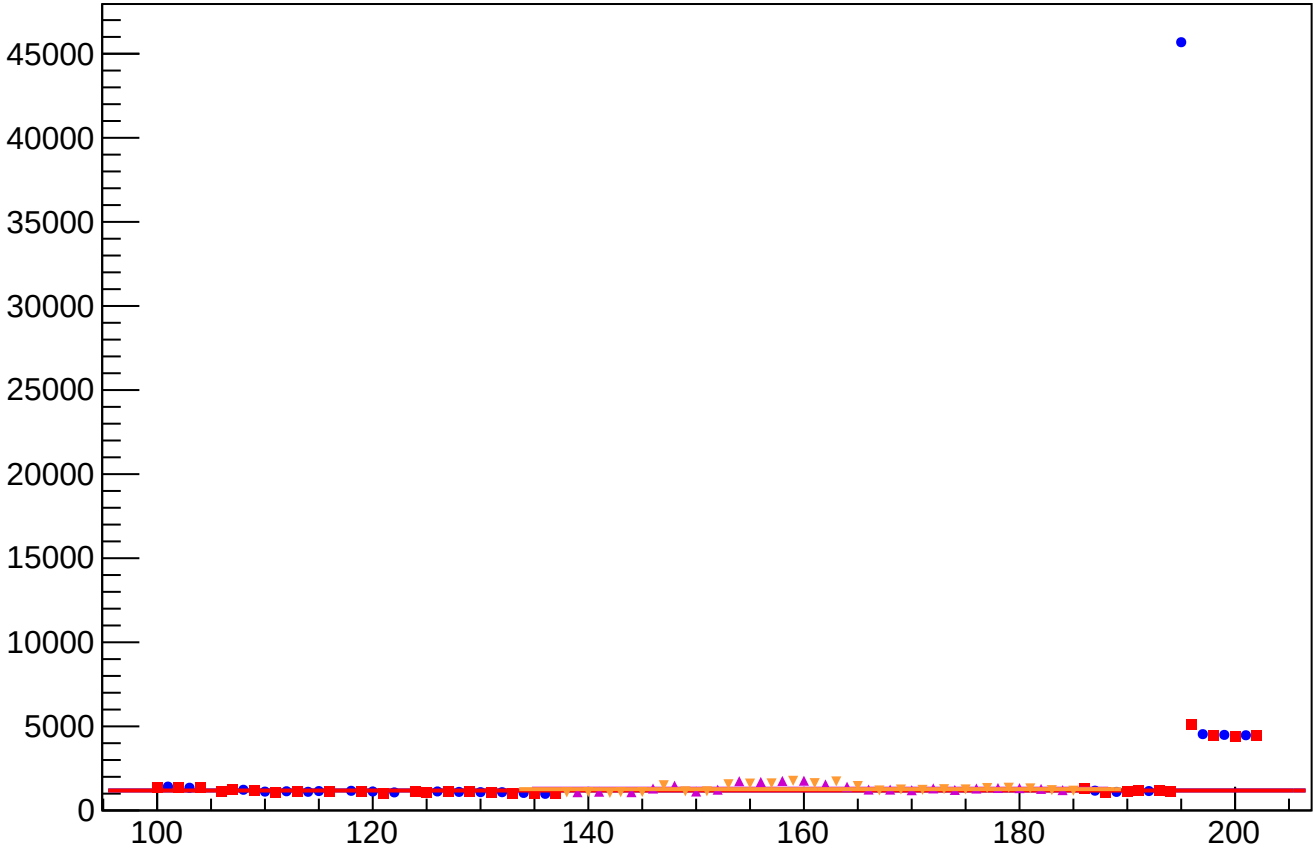
Right: -1.175+/-0.252 χ^2/NDF: 2125.1/51

In: -1.613+/-0.238 χ^2/NDF:627.8/45

Out: 1.703+/-0.222 χ^2/NDF:1505.4/53

All: 0.160+/-0.162 χ^2/NDF: 2237.3/99

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1190.051+/-0.266 χ^2/NDF: 4513495.9/22

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1185.964+/-0.241 χ^2/NDF: 3540158.6/28

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

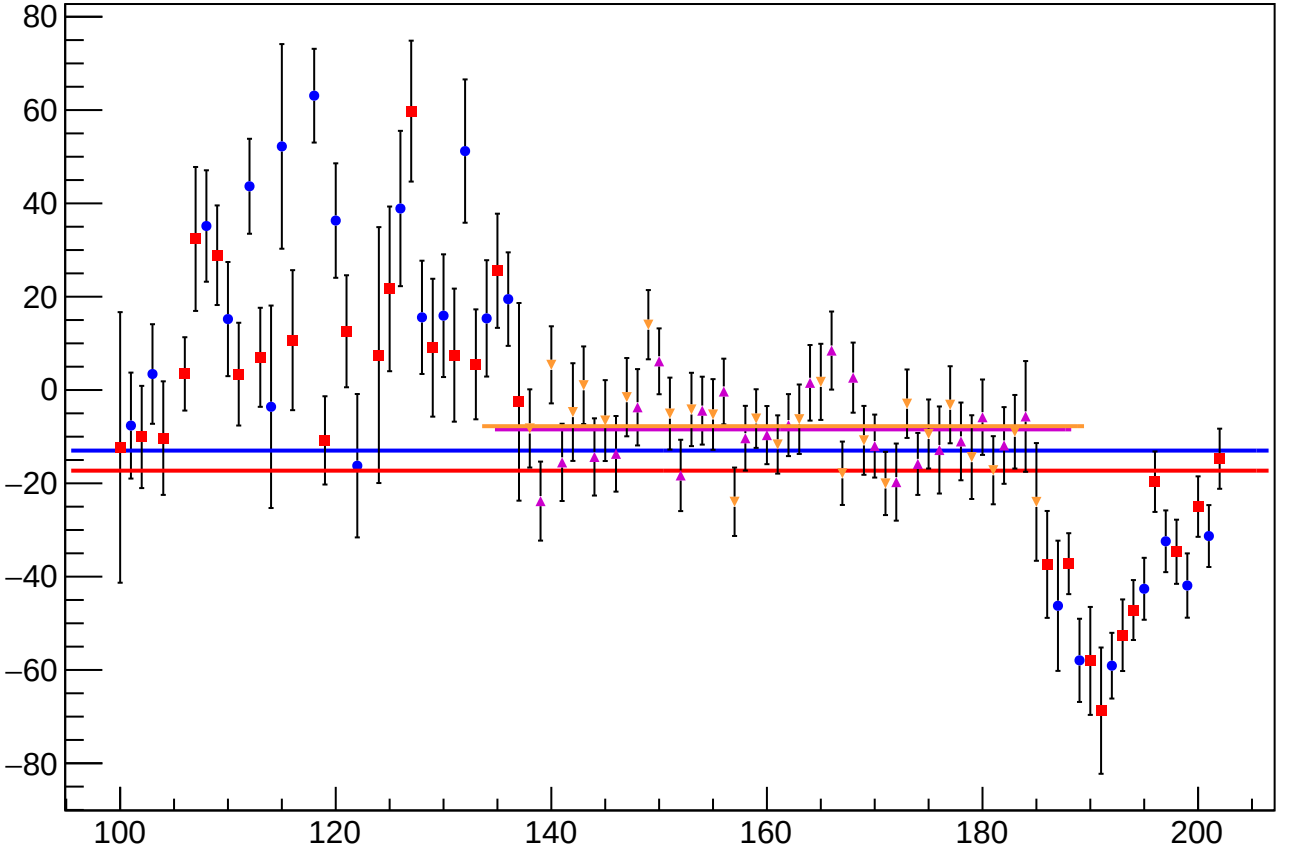
Right: 1187.802+/-0.178 χ^2/NDF: 8053784.3/51

In: 1252.559+/-0.168 χ^2/NDF:5363593.8/45

Out: 1232.804+/-0.157 χ^2/NDF:4484529.8/53

All: 1241.997+/-0.115 χ^2/NDF: 9855512.7/99

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -12.982+/-2.090 χ^2/NDF: 318.6/22

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -17.284+/-1.833 χ^2/NDF: 200.3/28

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

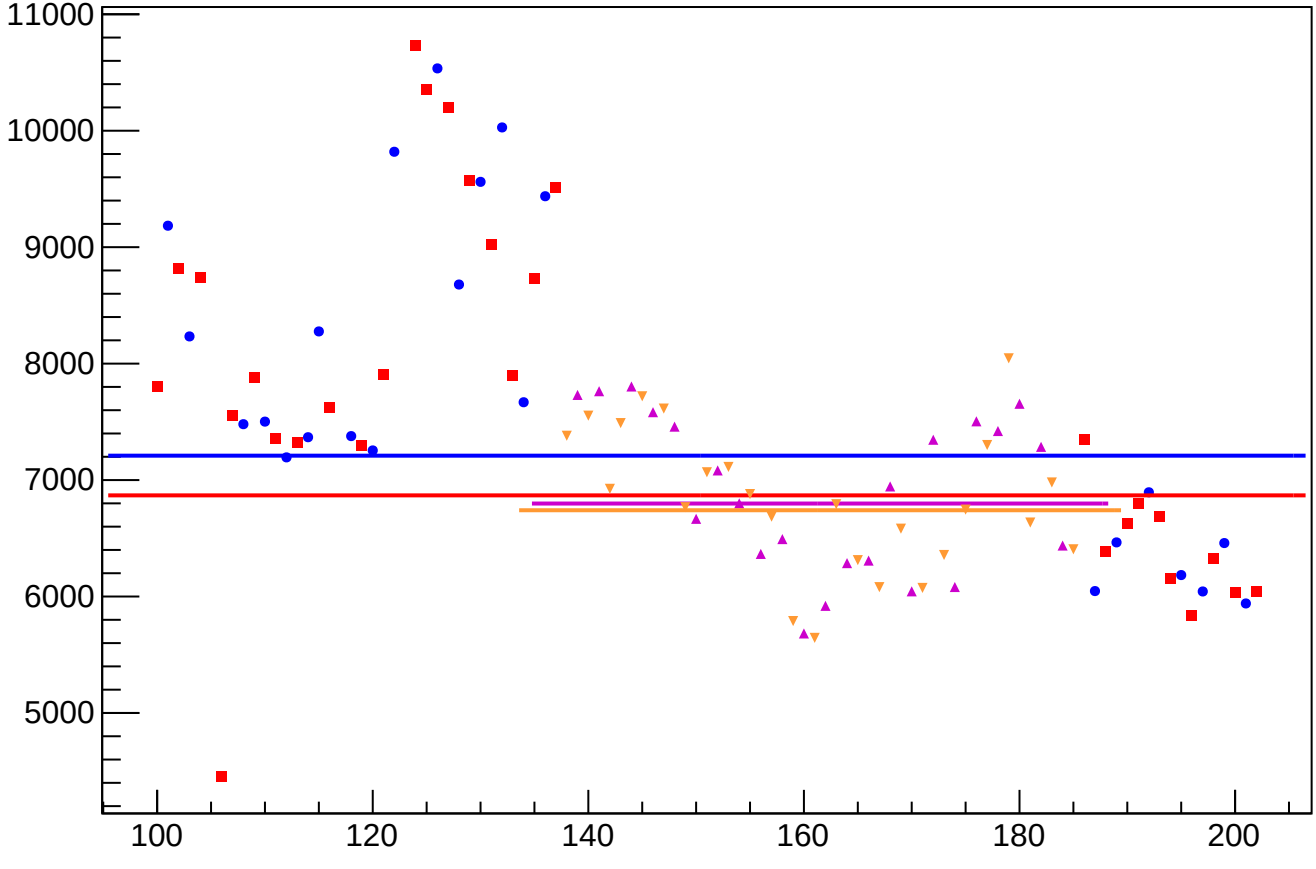
Right: -15.414+/-1.378 χ^2/NDF: 521.3/51

In: -10.123+/-1.273 χ^2/NDF:346.4/45

Out: -11.717+/-1.182 χ^2/NDF:246.5/53

All: -10.979+/-0.866 χ^2/NDF: 593.7/99

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7209.578+/-1.478 χ^2/NDF: 724759.6/22

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6868.630+/-1.296 χ^2/NDF: 944899.5/28

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

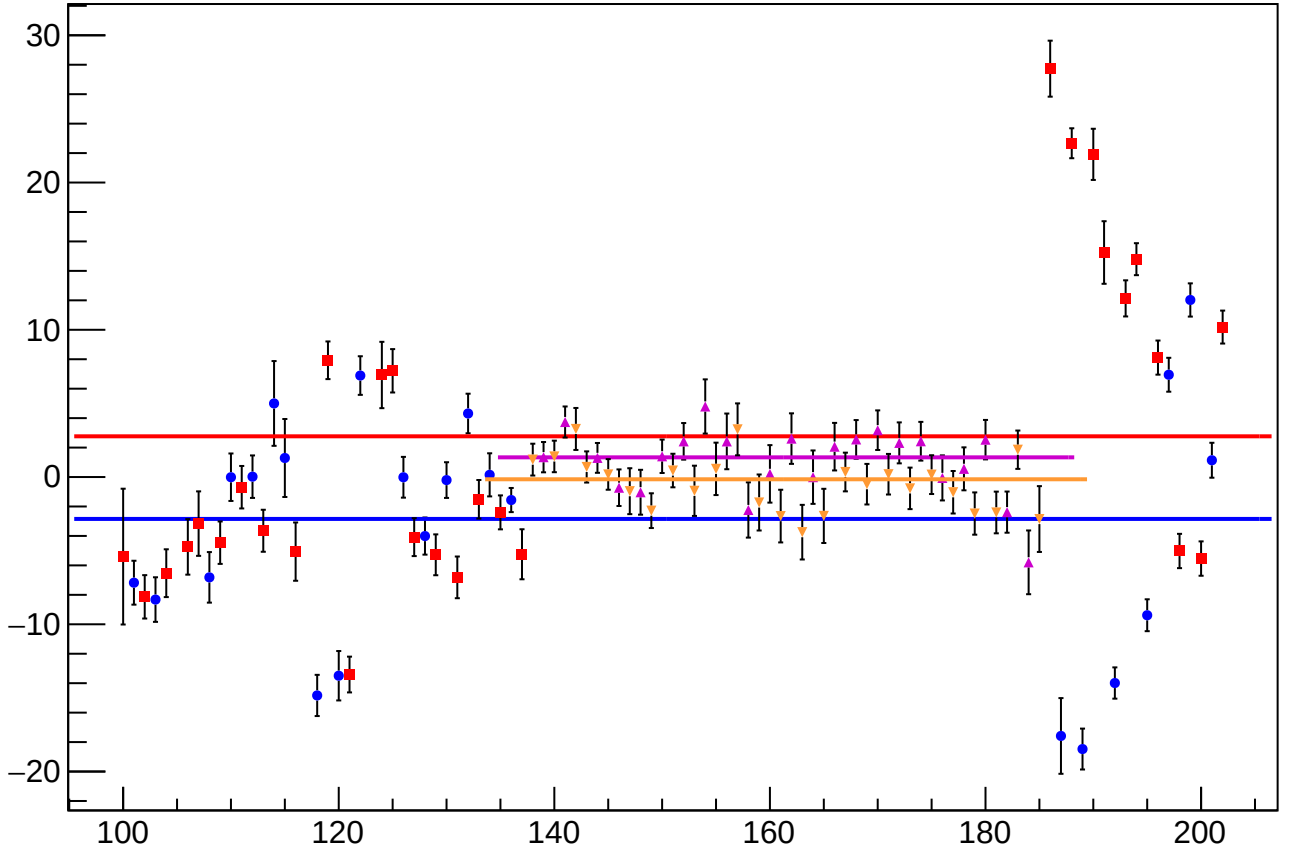
Right: 7016.815+/-0.974 χ^2/NDF: 1699741.8/51

In: 6950.938+/-0.900 χ^2/NDF:1126700.4/45

Out: 6793.989+/-0.836 χ^2/NDF:1267286.7/53

All: 6866.662+/-0.612 χ^2/NDF: 2410315.4/99

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.845+/-0.279 χ^2/NDF: 821.0/22

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 2.766+/-0.261 χ^2/NDF: 1600.3/28

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

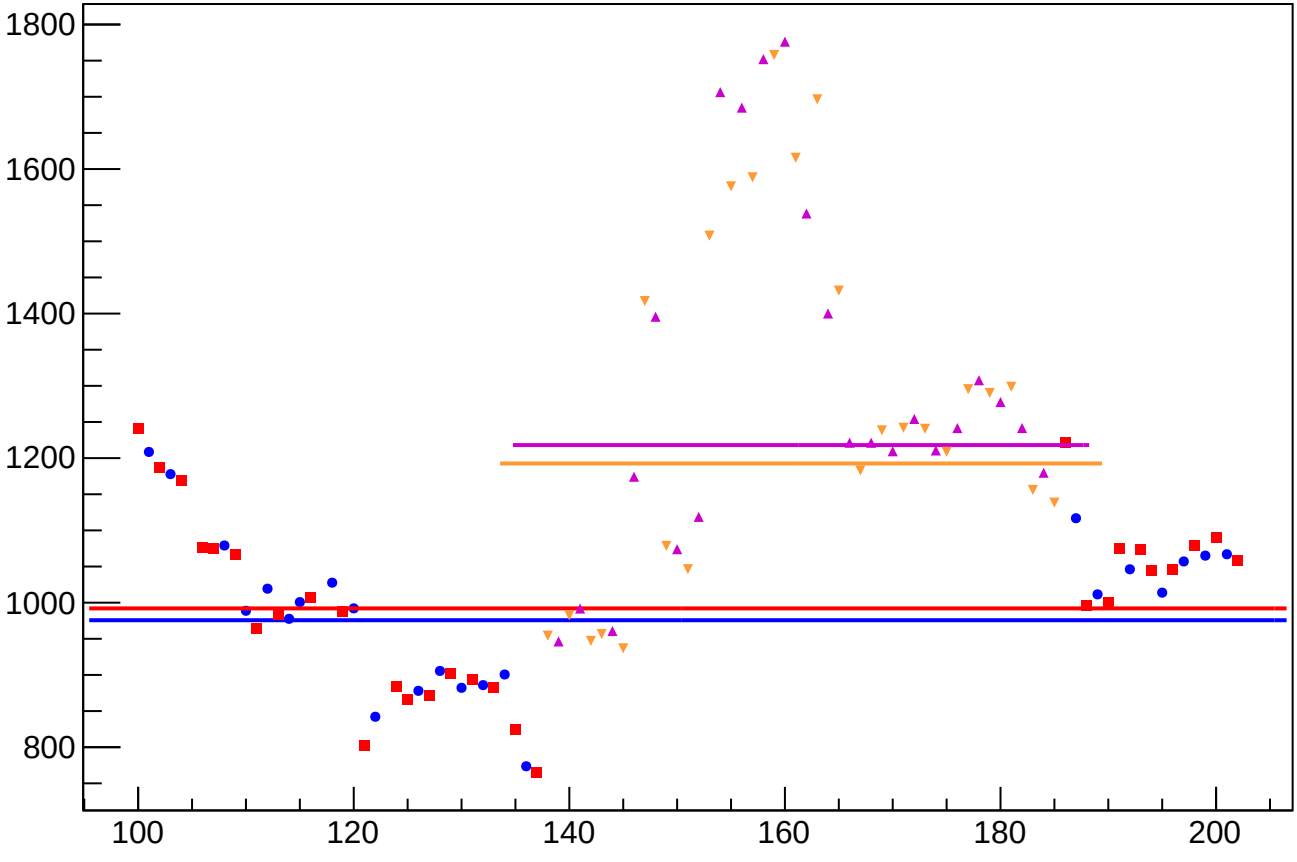
Right: 0.150+/-0.191 χ^2/NDF: 2636.5/51

In: -0.833+/-0.201 χ^2/NDF:972.8/45

Out: 1.391+/-0.190 χ^2/NDF:1695.2/53

All: 0.344+/-0.138 χ^2/NDF: 2732.5/99

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 975.699+/-0.198 χ^2/NDF: 334433.0/22

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 992.063+/-0.185 χ^2/NDF: 356608.5/28

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

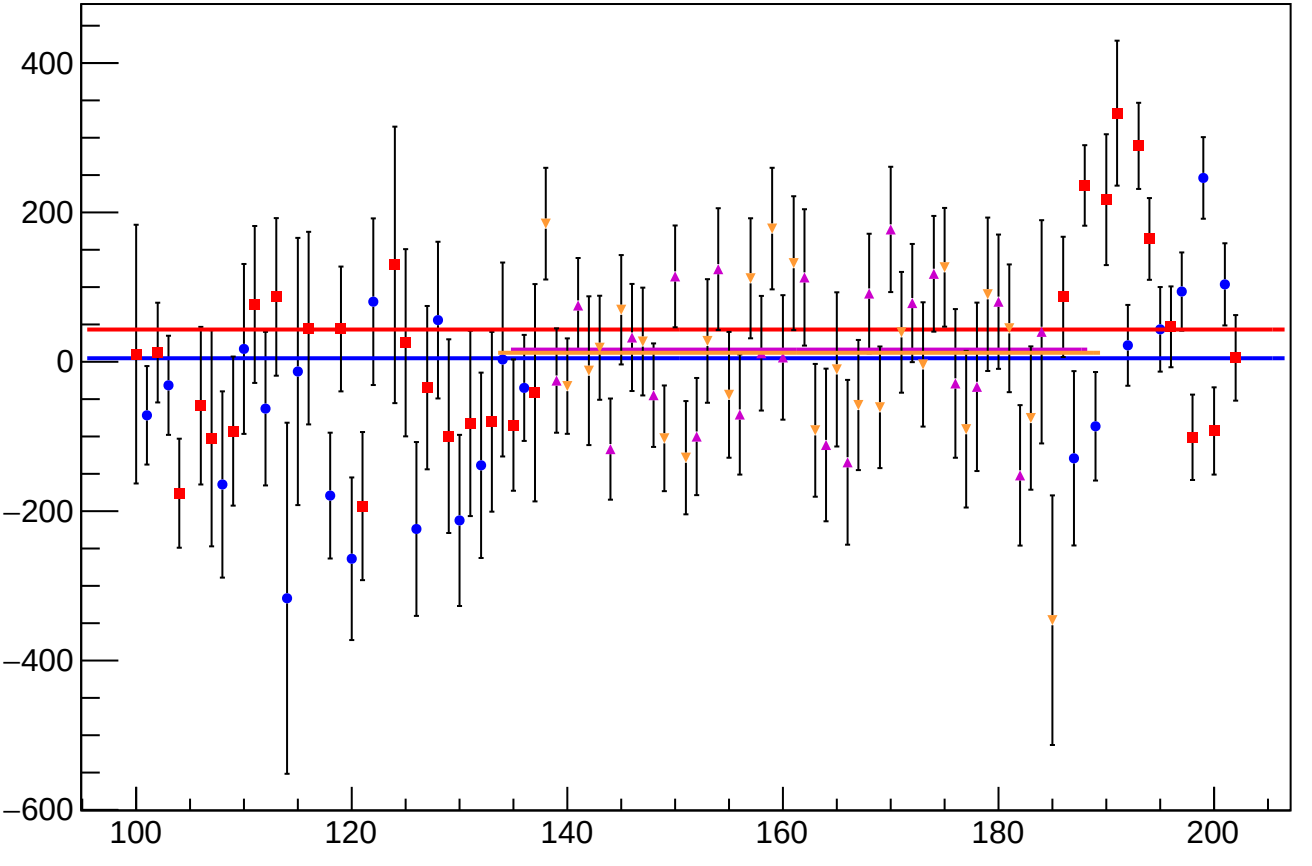
Right: 984.434+/-0.135 χ^2/NDF: 694701.7/51

In: 1092.332+/-0.142 χ^2/NDF:2186186.7/45

Out: 1086.537+/-0.134 χ^2/NDF:2232210.2/53

All: 1089.267+/-0.098 χ^2/NDF: 4419273.6/99

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: 4.756+/-16.765 χ^2/NDF: 55.6/22

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 43.214+/-15.197 χ^2/NDF: 86.8/28

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

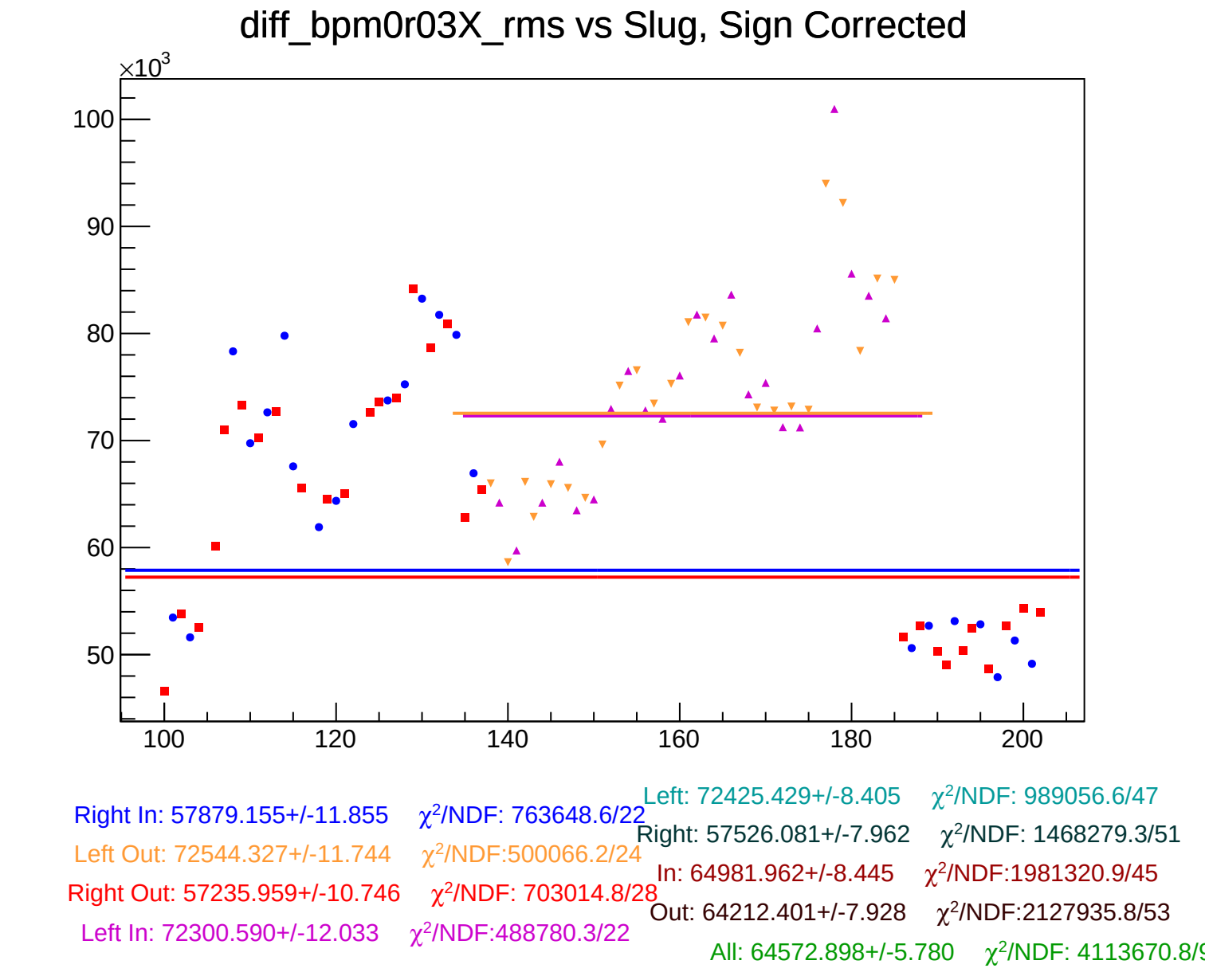
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 25.867+/-11.260 χ^2/NDF: 145.2/51

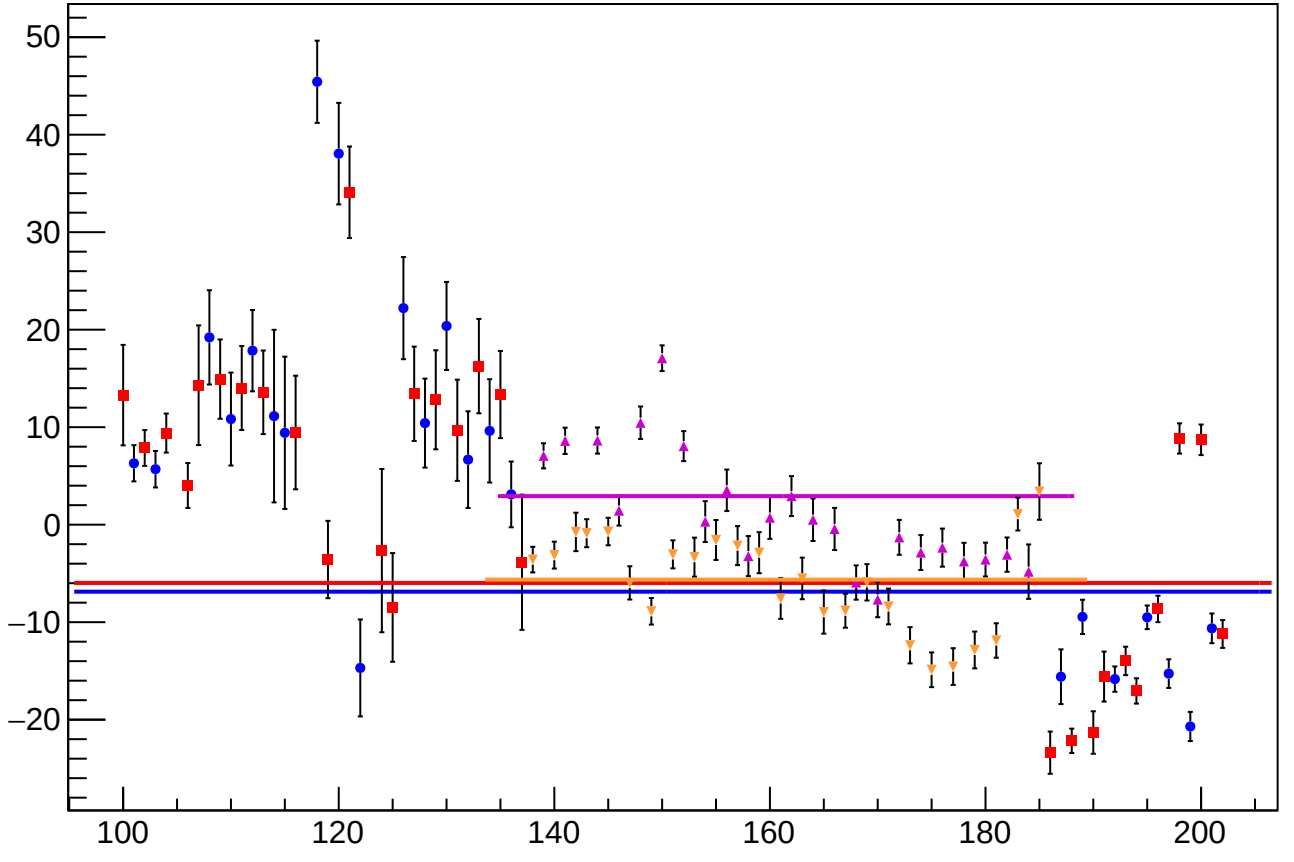
In: 10.461+/-11.943 χ^2/NDF:84.5/45

Out: 29.026+/-11.212 χ^2/NDF:121.5/53

All: 20.329+/-8.174 χ^2/NDF: 207.3/99


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
Right In: 57879.155+/-11.855 χ²/NDF: 763648.6/22
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 57235.959+/-10.746 χ²/NDF: 703014.8/28
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 57526.081+/-7.962 χ²/NDF: 1468279.3/51
In: 64981.962+/-8.445 χ²/NDF:1981320.9/45
Out: 64212.401+/-7.928 χ²/NDF:2127935.8/53
All: 64572.898+/-5.780 χ²/NDF: 4113670.8/9

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -6.872+/-0.485 χ^2/NDF: 708.5/22

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -5.978+/-0.425 χ^2/NDF: 983.2/28

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

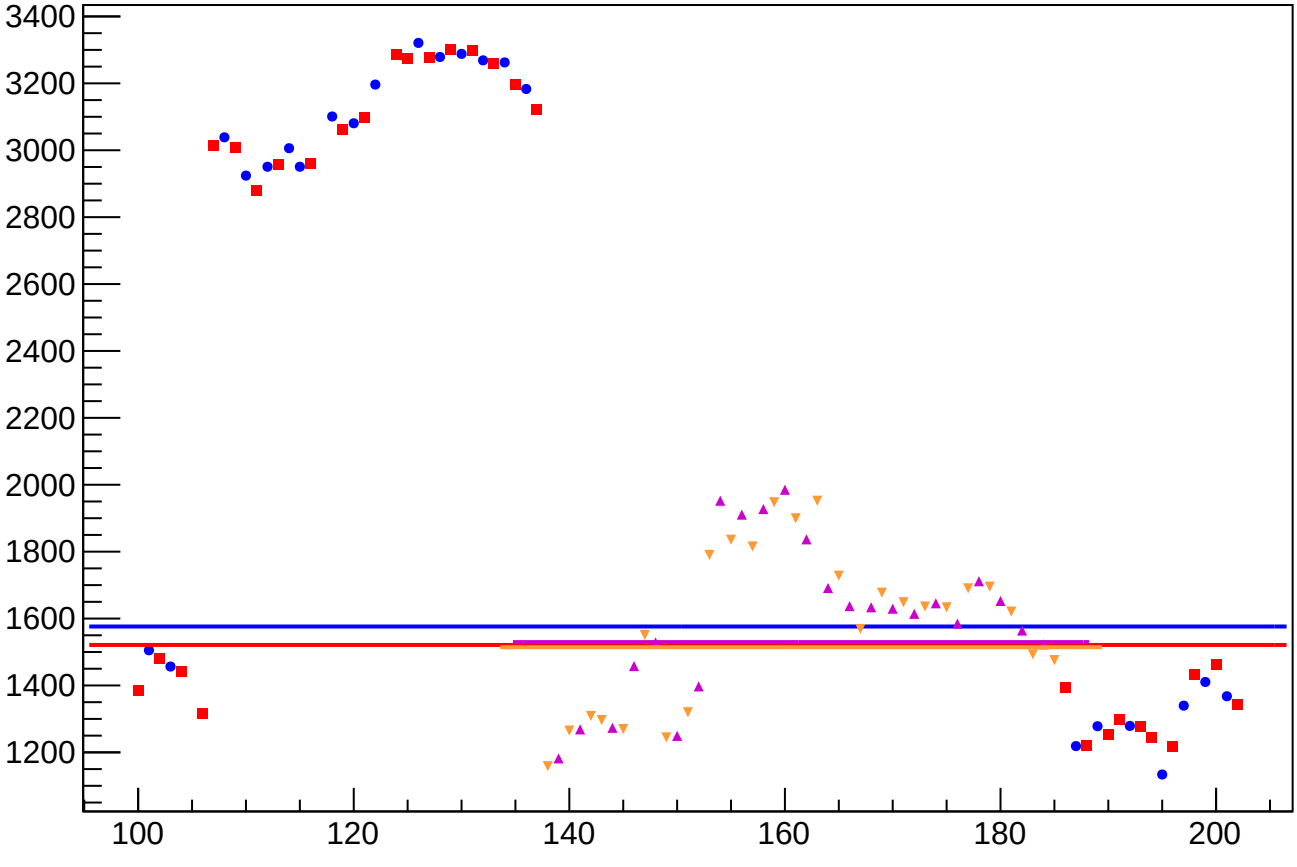
Right: -6.367+/-0.320 χ^2/NDF: 1693.6/51

In: -0.578+/-0.290 χ^2/NDF:1307.8/45

Out: -5.774+/-0.270 χ^2/NDF:1161.7/53

All: -3.365+/-0.198 χ^2/NDF: 2641.3/99

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1576.246+/-0.343 χ^2/NDF: 3578363.3/22

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1521.089+/-0.301 χ^2/NDF: 3610451.5/28

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

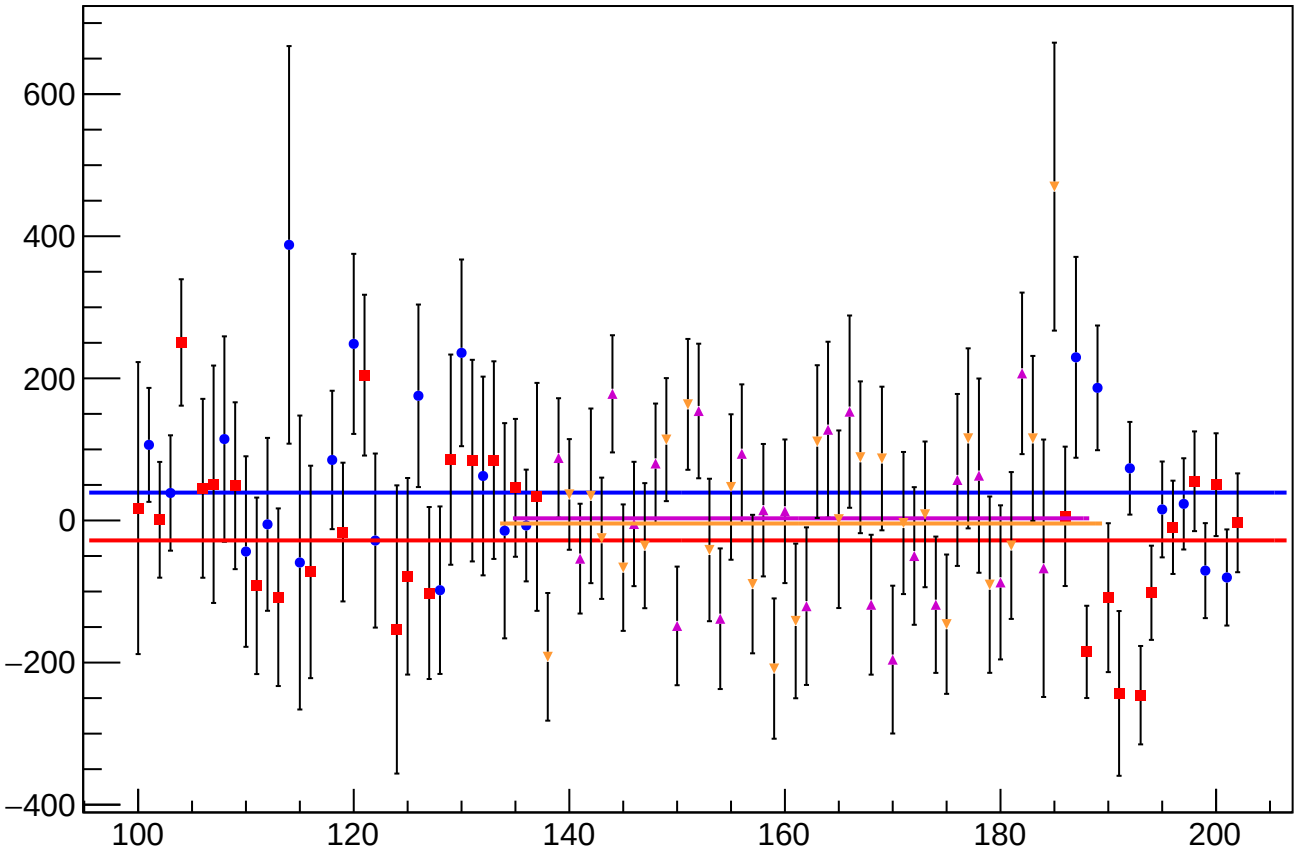
Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

Right: 1545.060+/-0.226 χ^2/NDF: 7203422.1/51

In: 1546.315+/-0.205 χ^2/NDF:4418692.6/45

Out: 1517.051+/-0.191 χ^2/NDF:4544084.9/53

All: 1530.616+/-0.140 χ^2/NDF: 8973679.4/99



Right In: 39.206+/-19.938 χ^2/NDF: 22.7/22

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -28.071+/-18.132 χ^2/NDF: 43.4/28

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

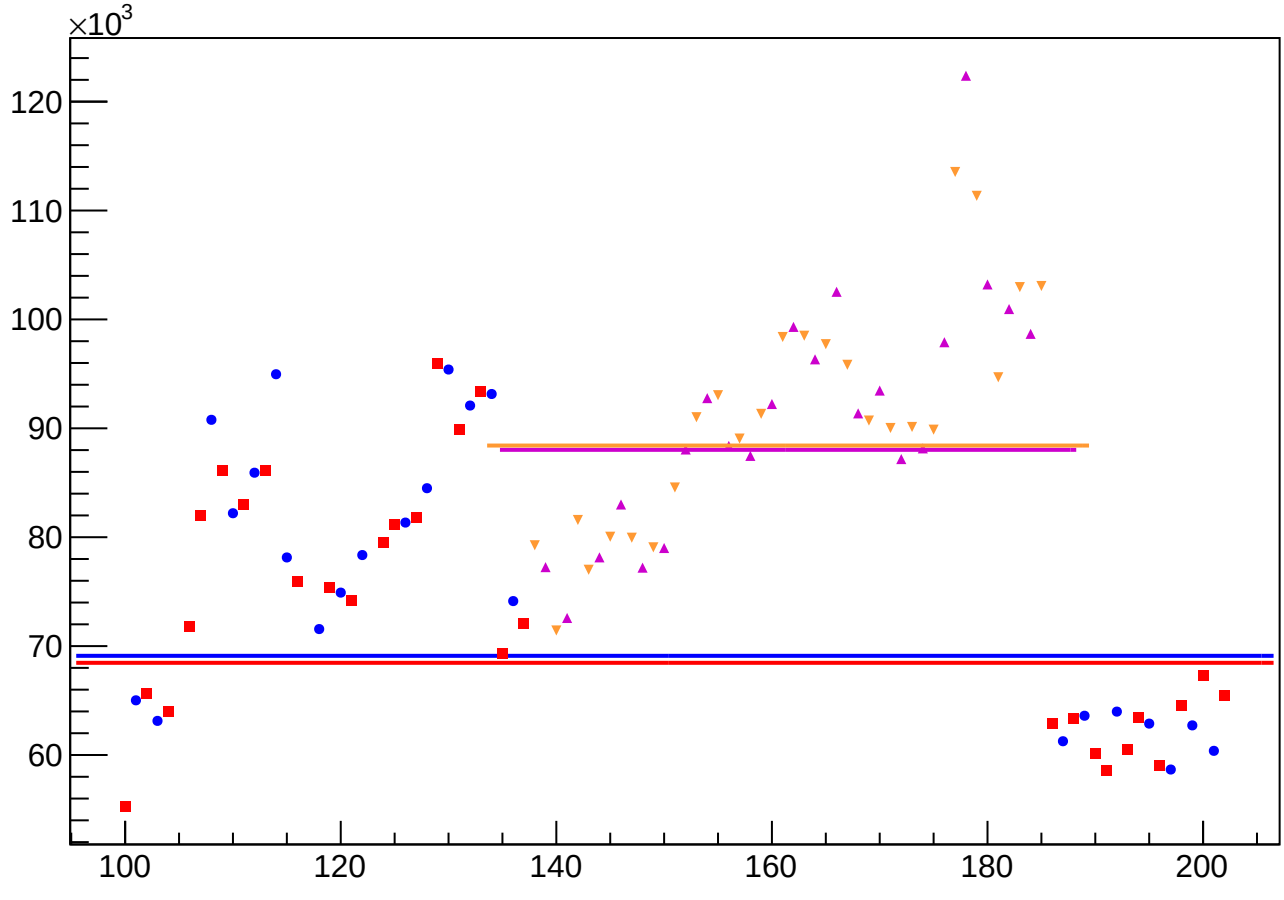
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 2.383+/-13.414 χ^2/NDF: 72.3/51

In: 21.807+/-14.367 χ^2/NDF:55.0/45

Out: -17.476+/-13.505 χ^2/NDF:74.6/53

All: 0.952+/-9.840 χ^2/NDF: 133.5/99



Right In: 69107.829+/-14.098 χ^2/NDF: 548890.1/22

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 68465.614+/-12.821 χ^2/NDF: 526252.4/28

Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

Left: 88225.391+/-10.238 χ^2/NDF: 967137.0/47

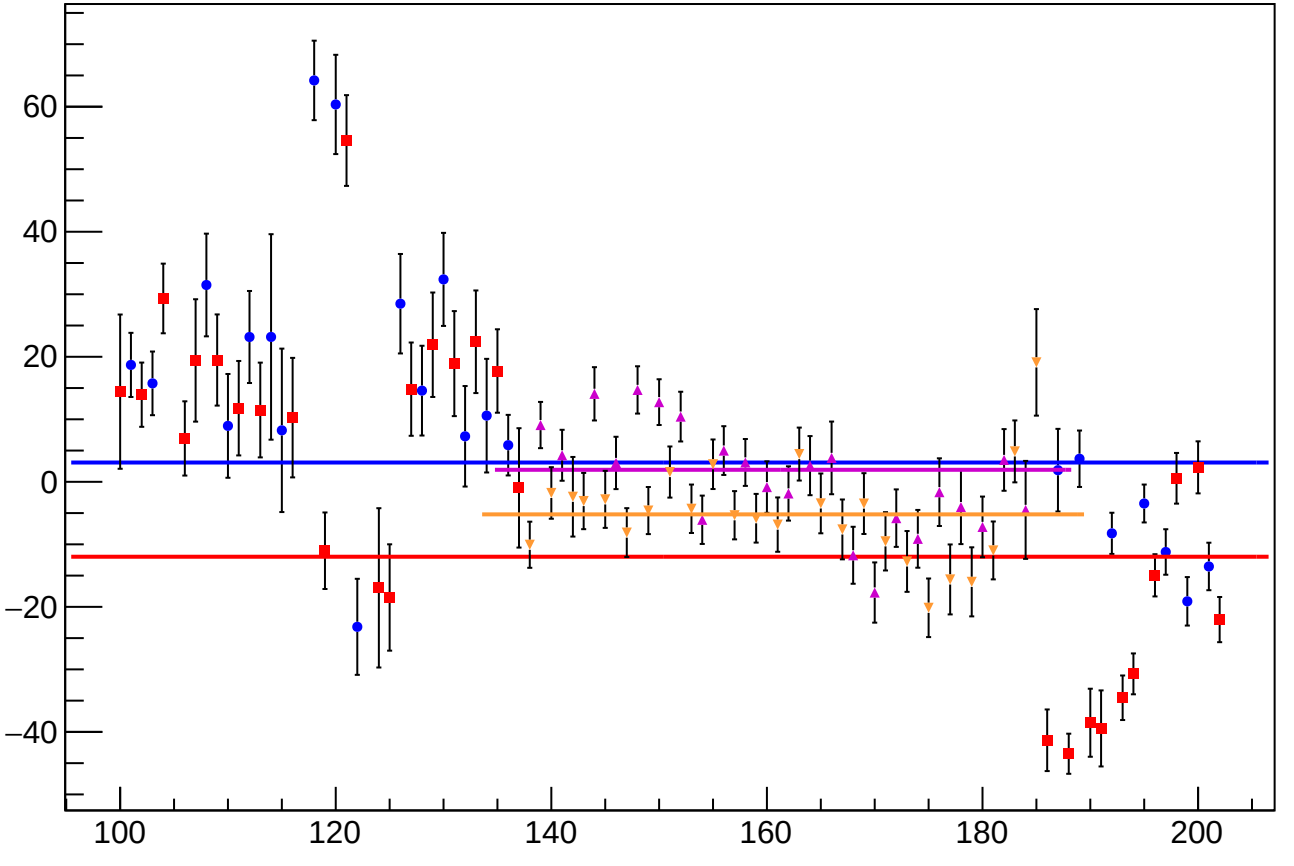
Right: 68756.319+/-9.485 χ^2/NDF: 1076278.2/51

In: 78202.249+/-10.159 χ^2/NDF:1899176.7/45

Out: 77348.950+/-9.550 χ^2/NDF:2086436.9/53

All: 77749.247+/-6.958 χ^2/NDF: 3989359.1/9

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 3.087+/-1.119 χ^2/NDF: 306.6/22

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -11.982+/-1.003 χ^2/NDF: 594.5/28

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

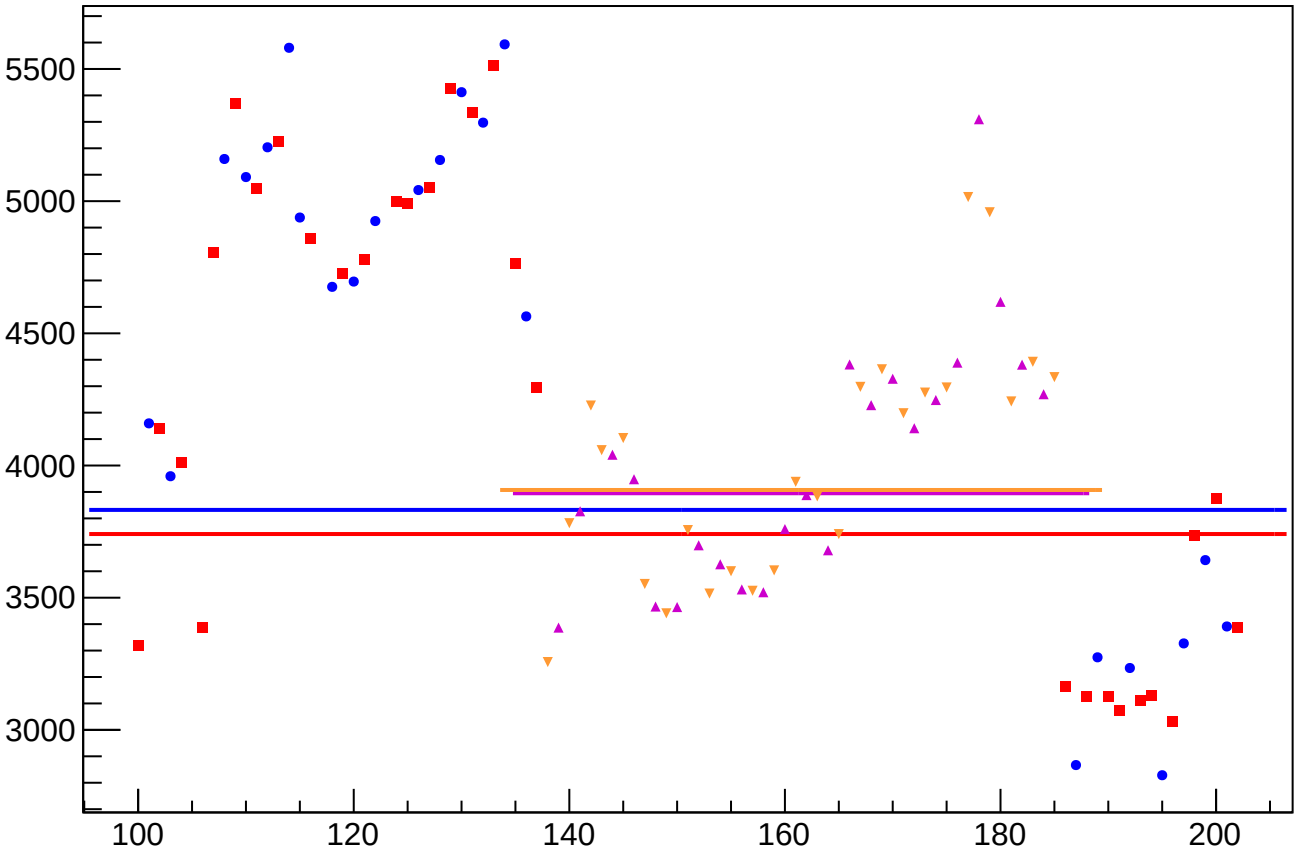
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: -5.269+/-0.747 χ^2/NDF: 1001.8/51

In: 2.391+/-0.709 χ^2/NDF:390.5/45

Out: -8.207+/-0.667 χ^2/NDF:670.9/53

All: -3.228+/-0.486 χ^2/NDF: 1180.0/99



Right In: 3832.091+/-0.791 χ^2/NDF: 1133676.5/22

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3740.832+/-0.709 χ^2/NDF: 1222967.2/28

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

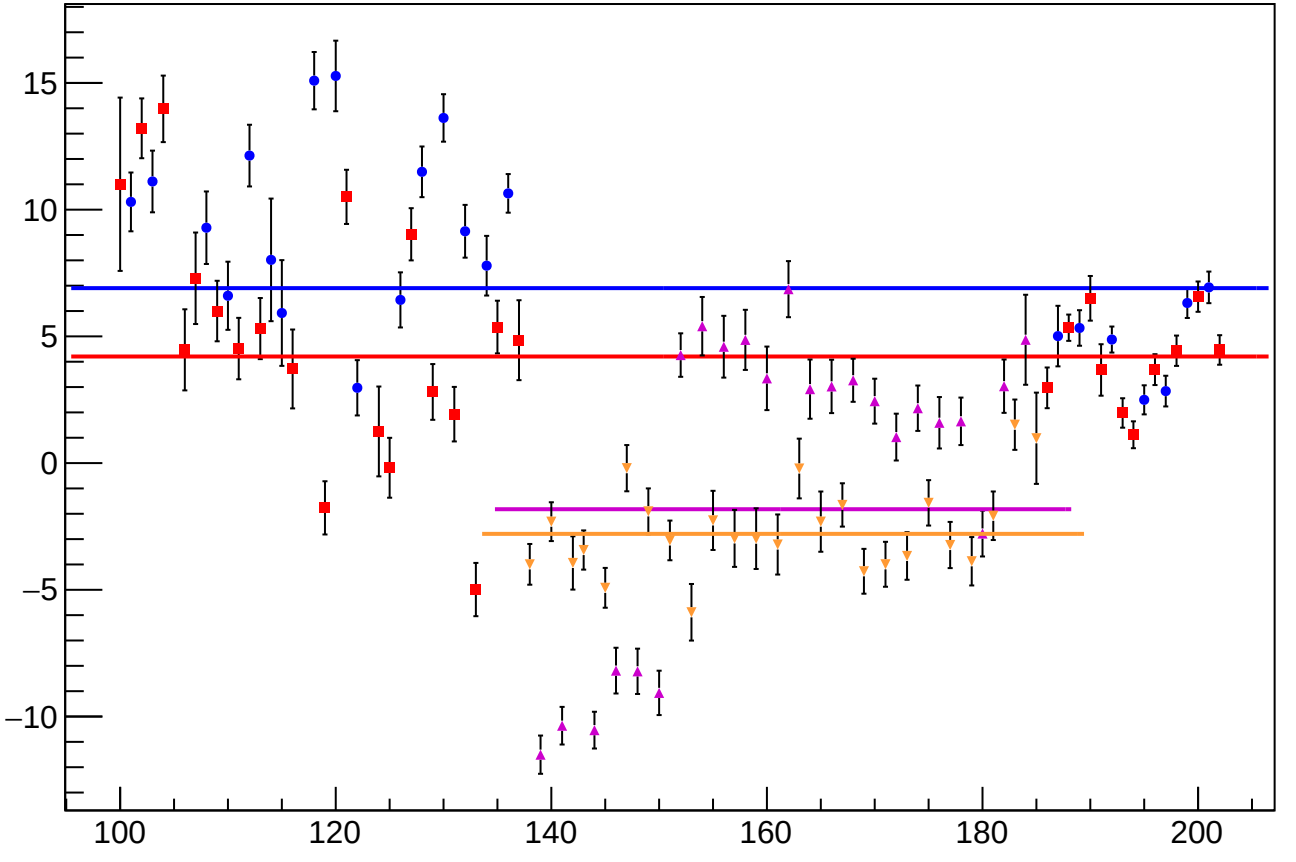
Right: 3781.486+/-0.528 χ^2/NDF: 2364026.0/51

In: 3869.802+/-0.501 χ^2/NDF:1547389.1/45

Out: 3833.669+/-0.472 χ^2/NDF:1694952.0/53

All: 3850.643+/-0.344 χ^2/NDF: 3245097.0/99

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 6.904+/-0.183 χ^2/NDF: 373.8/22

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 4.206+/-0.163 χ^2/NDF: 392.9/28

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

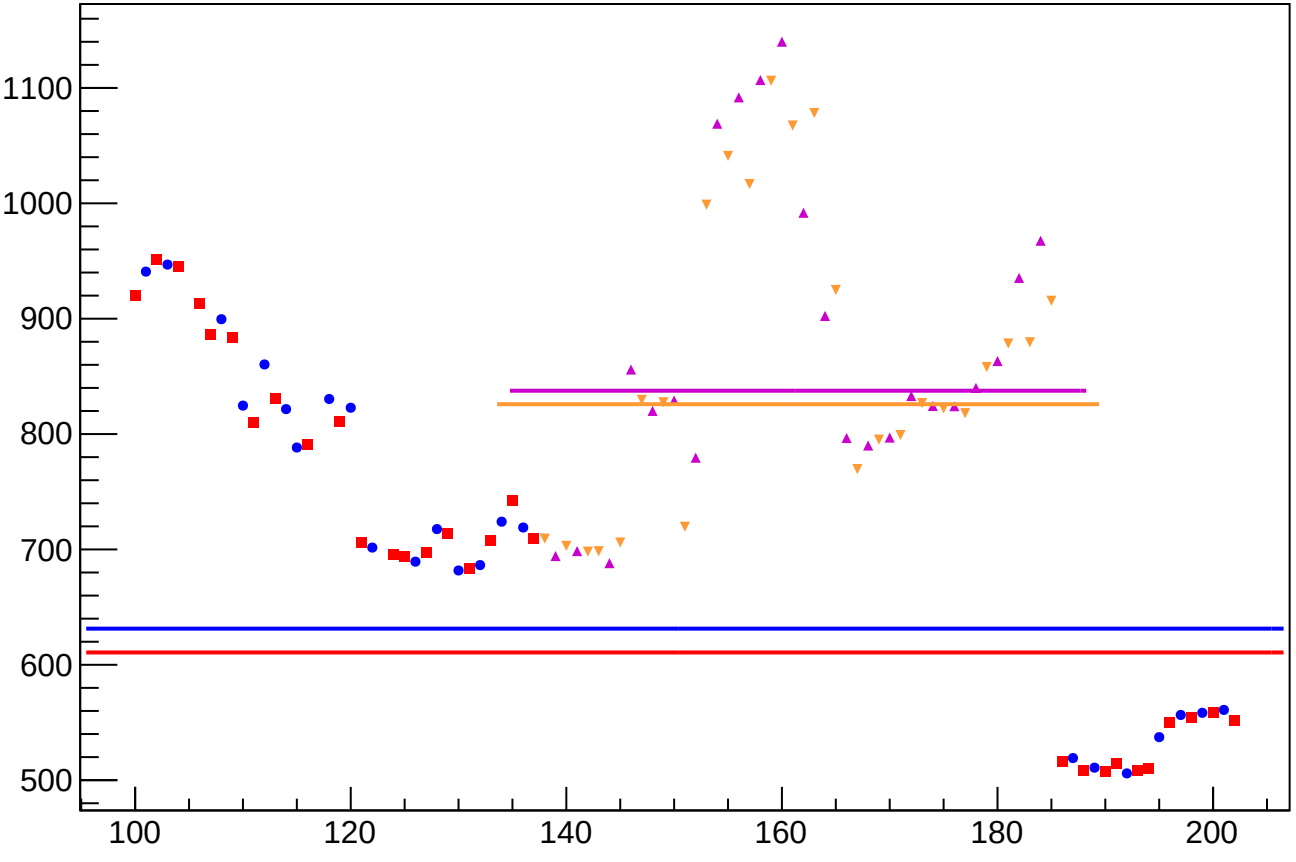
Right: 5.399+/-0.122 χ^2/NDF: 887.5/51

In: 2.880+/-0.135 χ^2/NDF:2444.0/45

Out: 1.235+/-0.124 χ^2/NDF:1241.5/53

All: 1.989+/-0.091 χ^2/NDF: 3766.4/99

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 631.352+/-0.130 χ^2/NDF: 998085.0/22

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 610.702+/-0.115 χ^2/NDF: 1243118.4/28

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

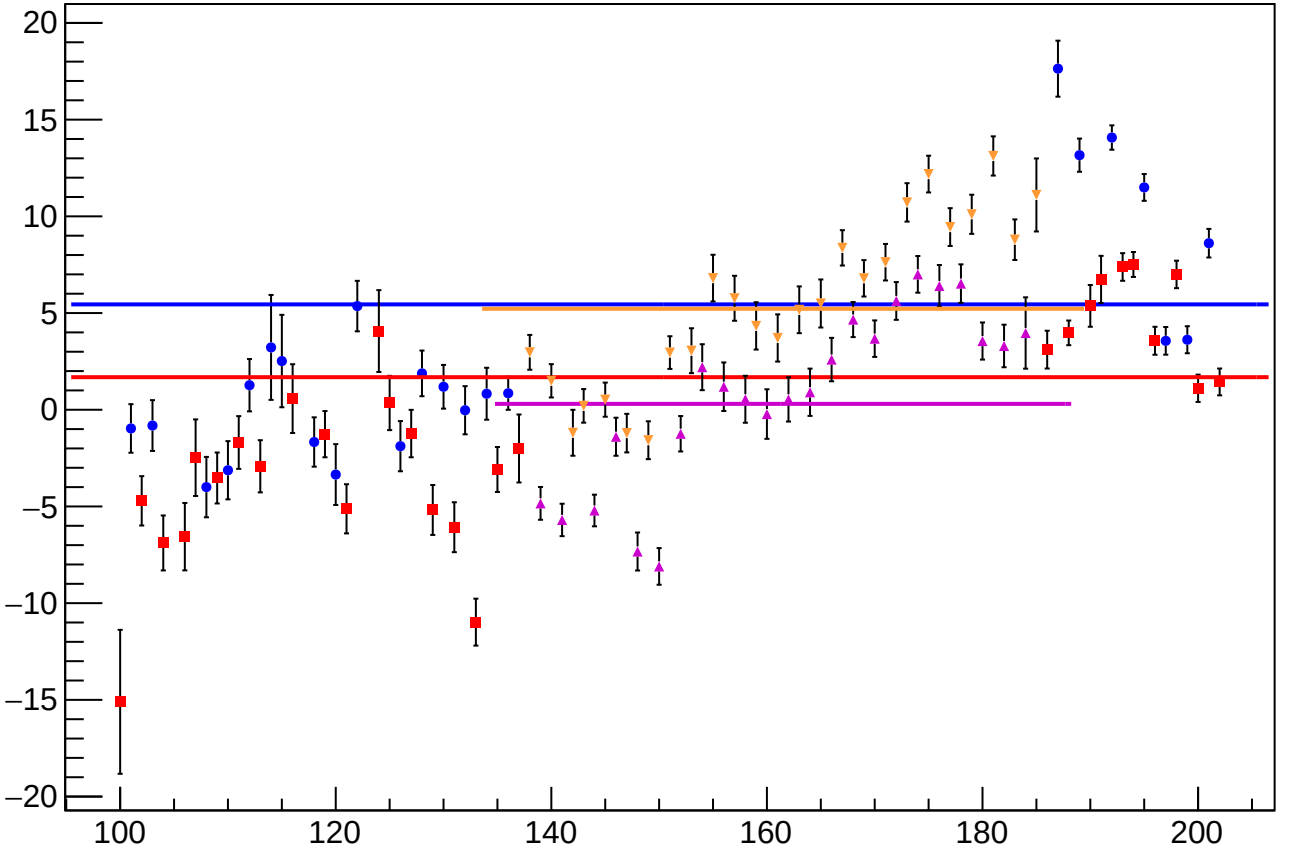
Right: 619.834+/-0.086 χ^2/NDF: 2255353.3/51

In: 726.462+/-0.095 χ^2/NDF:2879133.0/45

Out: 702.056+/-0.088 χ^2/NDF:3483251.9/53

All: 713.247+/-0.064 χ^2/NDF: 6397999.7/99

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 5.448+/-0.216 χ^2/NDF: 755.2/22

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 1.684+/-0.193 χ^2/NDF: 632.4/28

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

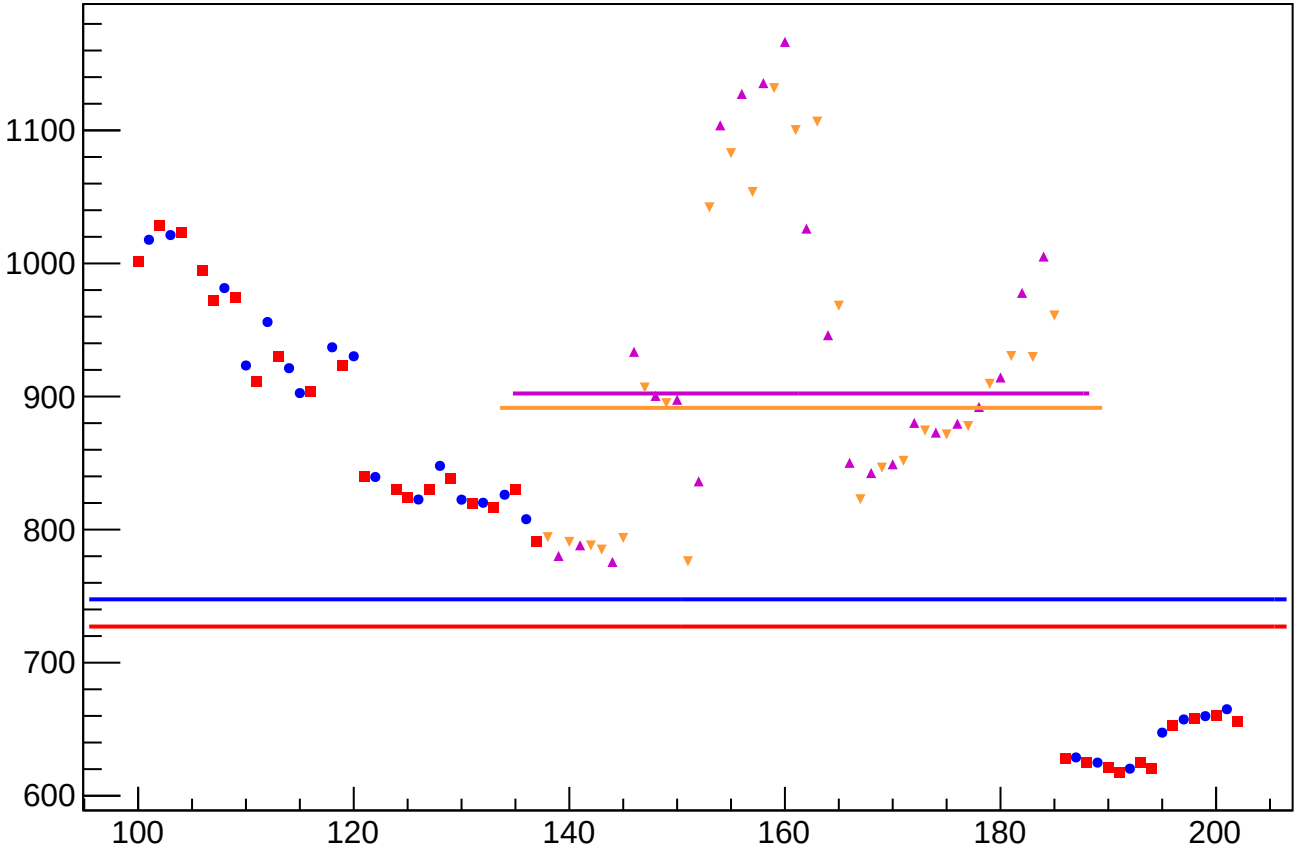
Right: 3.359+/-0.144 χ^2/NDF: 1556.5/51

In: 2.838+/-0.151 χ^2/NDF:1538.6/45

Out: 3.353+/-0.140 χ^2/NDF:1240.3/53

All: 3.115+/-0.103 χ^2/NDF: 2785.2/99

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 747.599+/-0.153 χ^2/NDF: 716507.5/22

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 727.163+/-0.137 χ^2/NDF: 894251.1/28

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

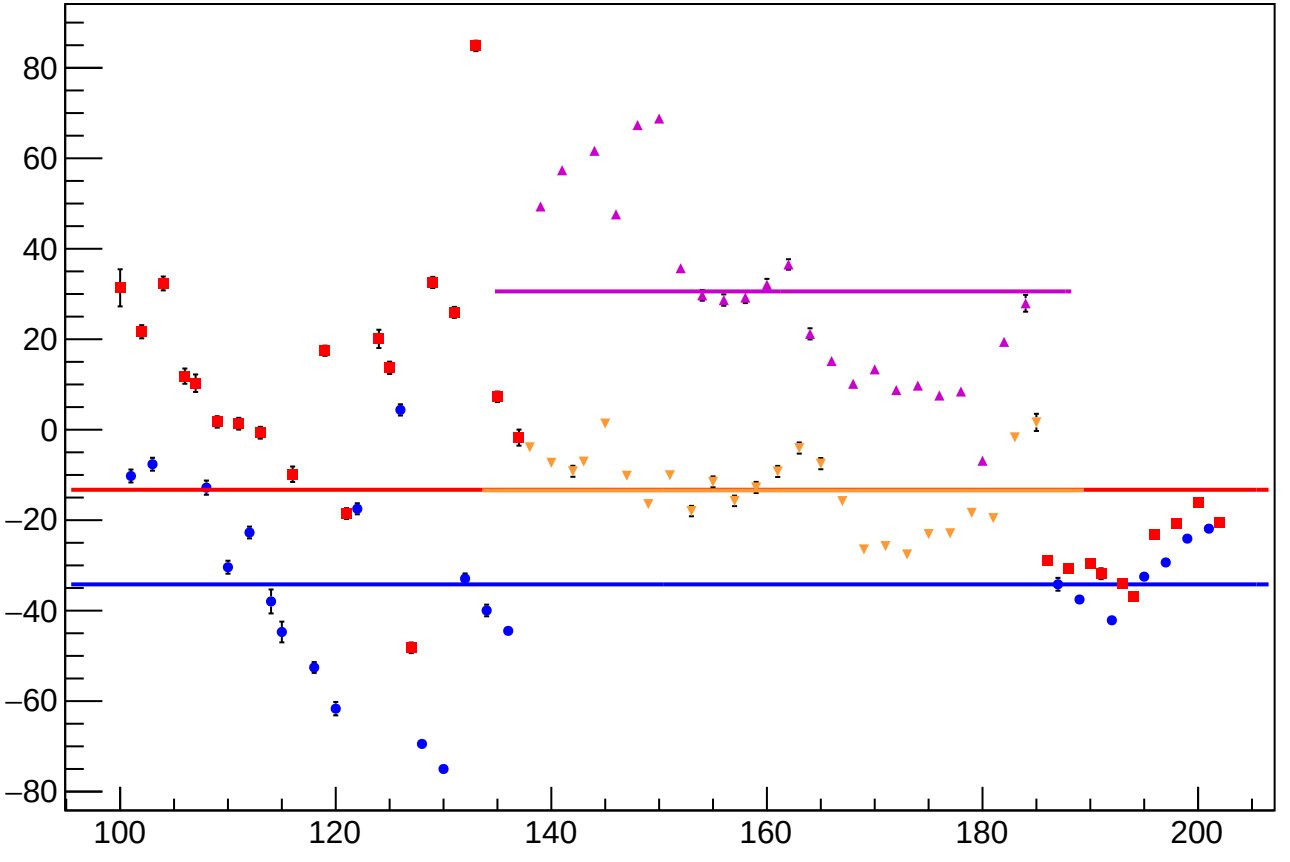
Right: 736.254+/-0.102 χ^2/NDF: 1620710.5/51

In: 826.098+/-0.107 χ^2/NDF:1722695.0/45

Out: 804.721+/-0.099 χ^2/NDF:2094825.8/53

All: 814.599+/-0.073 χ^2/NDF: 3838944.6/99

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -34.193+/-0.212 χ^2/NDF: 5999.8/22

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -13.281+/-0.189 χ^2/NDF: 18885.0/28

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

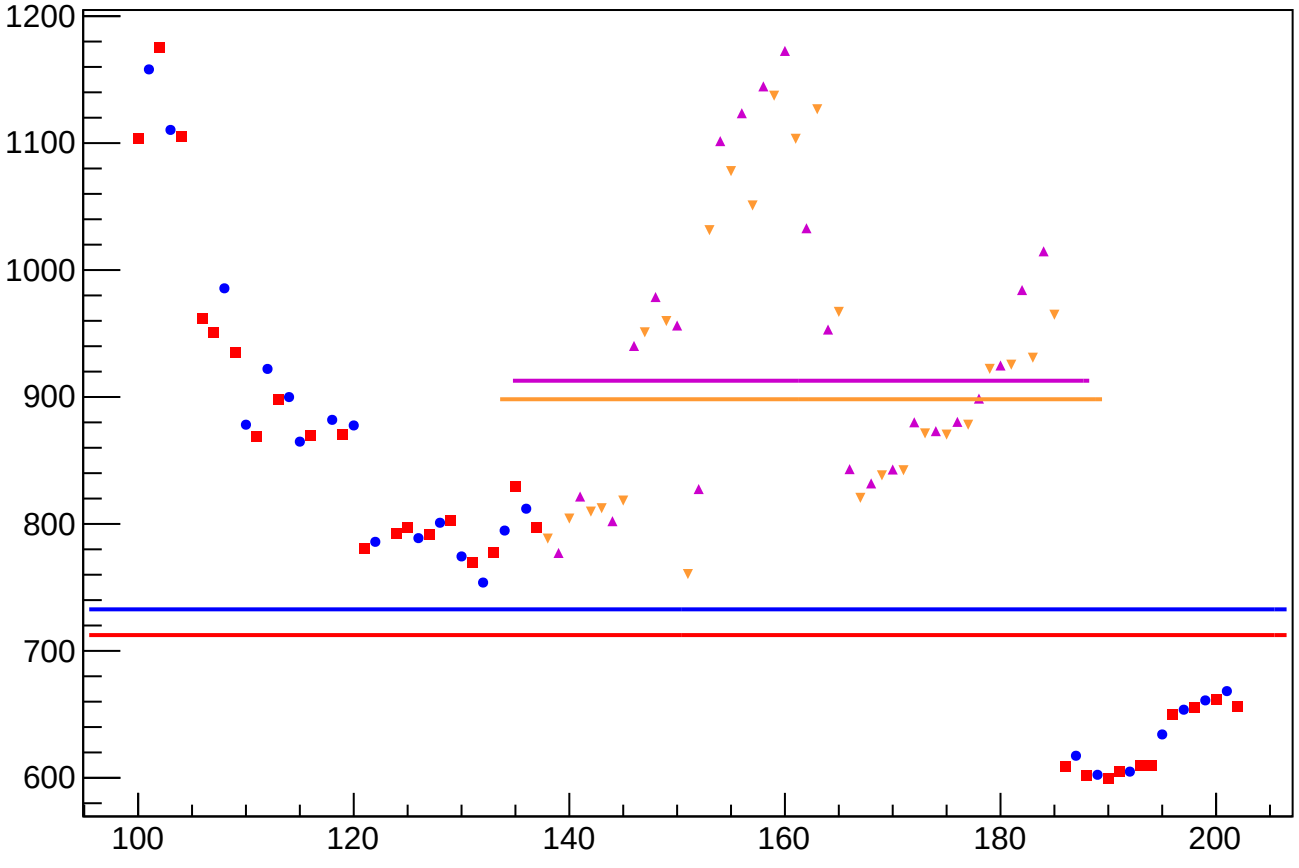
Right: -22.576+/-0.141 χ^2/NDF: 30297.7/51

In: -2.315+/-0.151 χ^2/NDF:62387.7/45

Out: -13.345+/-0.139 χ^2/NDF:20548.5/53

All: -8.266+/-0.102 χ^2/NDF: 85816.8/99

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 732.725+/-0.150 χ^2/NDF: 790085.5/22

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 712.449+/-0.134 χ^2/NDF: 962425.0/28

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

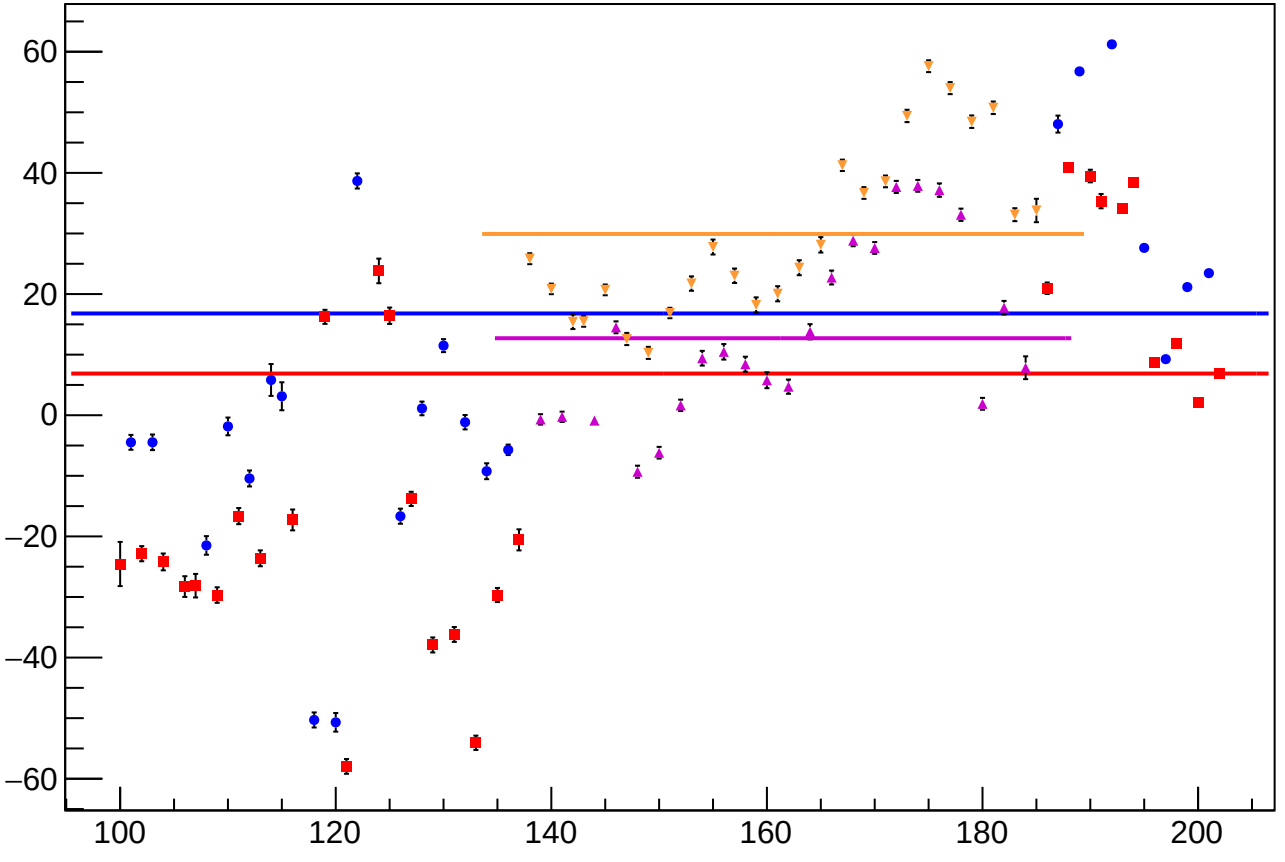
Right: 721.462+/-0.100 χ^2/NDF: 1762687.9/51

In: 821.371+/-0.107 χ^2/NDF:1981495.8/45

Out: 797.622+/-0.099 χ^2/NDF:2362065.1/53

All: 808.556+/-0.072 χ^2/NDF: 4370268.6/99

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 16.798+/-0.209 χ^2/NDF: 17921.0/22

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 6.879+/-0.187 χ^2/NDF: 22603.4/28

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

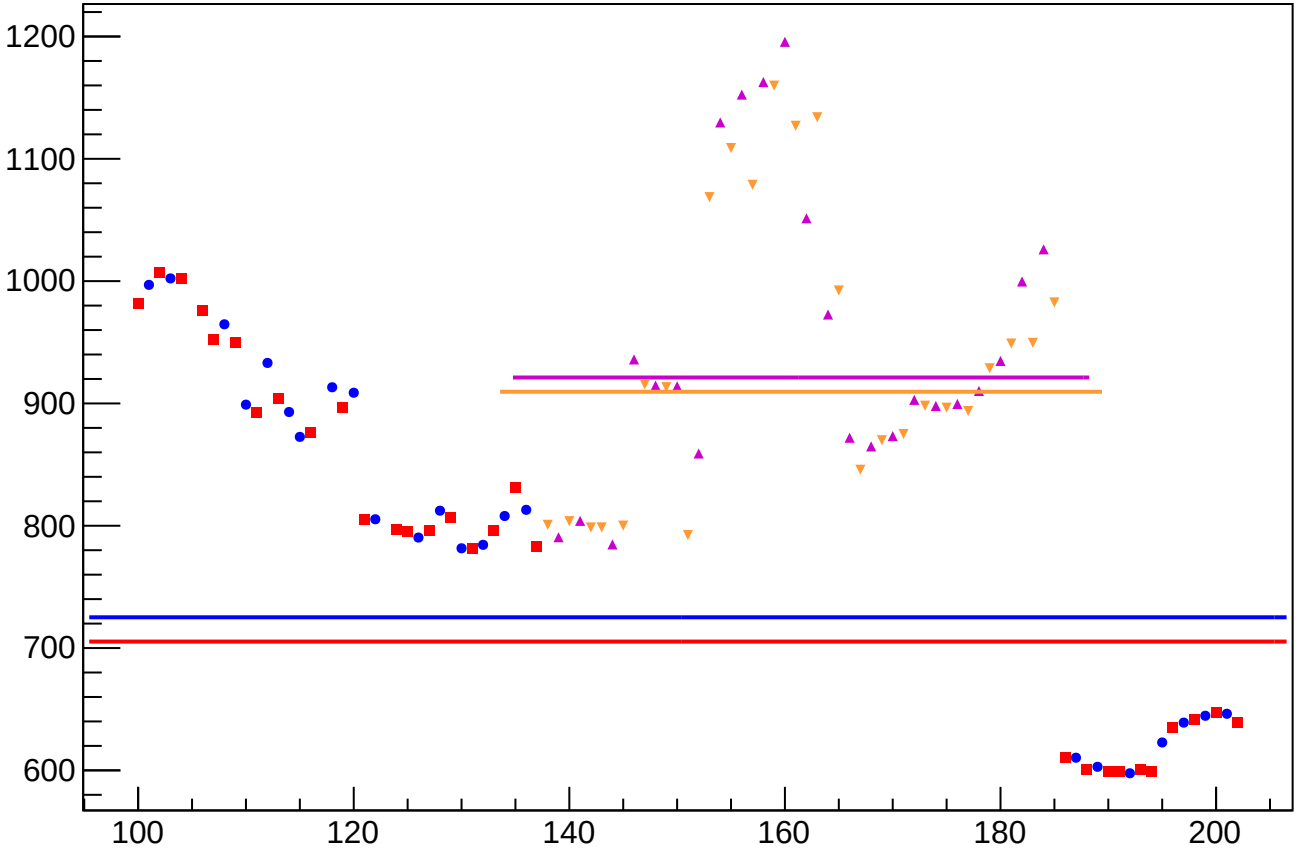
Right: 11.290+/-0.140 χ^2/NDF: 41769.5/51

In: 14.826+/-0.151 χ^2/NDF:22896.0/45

Out: 17.176+/-0.139 χ^2/NDF:33936.1/53

All: 16.093+/-0.102 χ^2/NDF: 56963.1/99

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 725.149+/-0.148 χ^2/NDF: 747631.6/22

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 705.301+/-0.133 χ^2/NDF: 922623.8/28

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

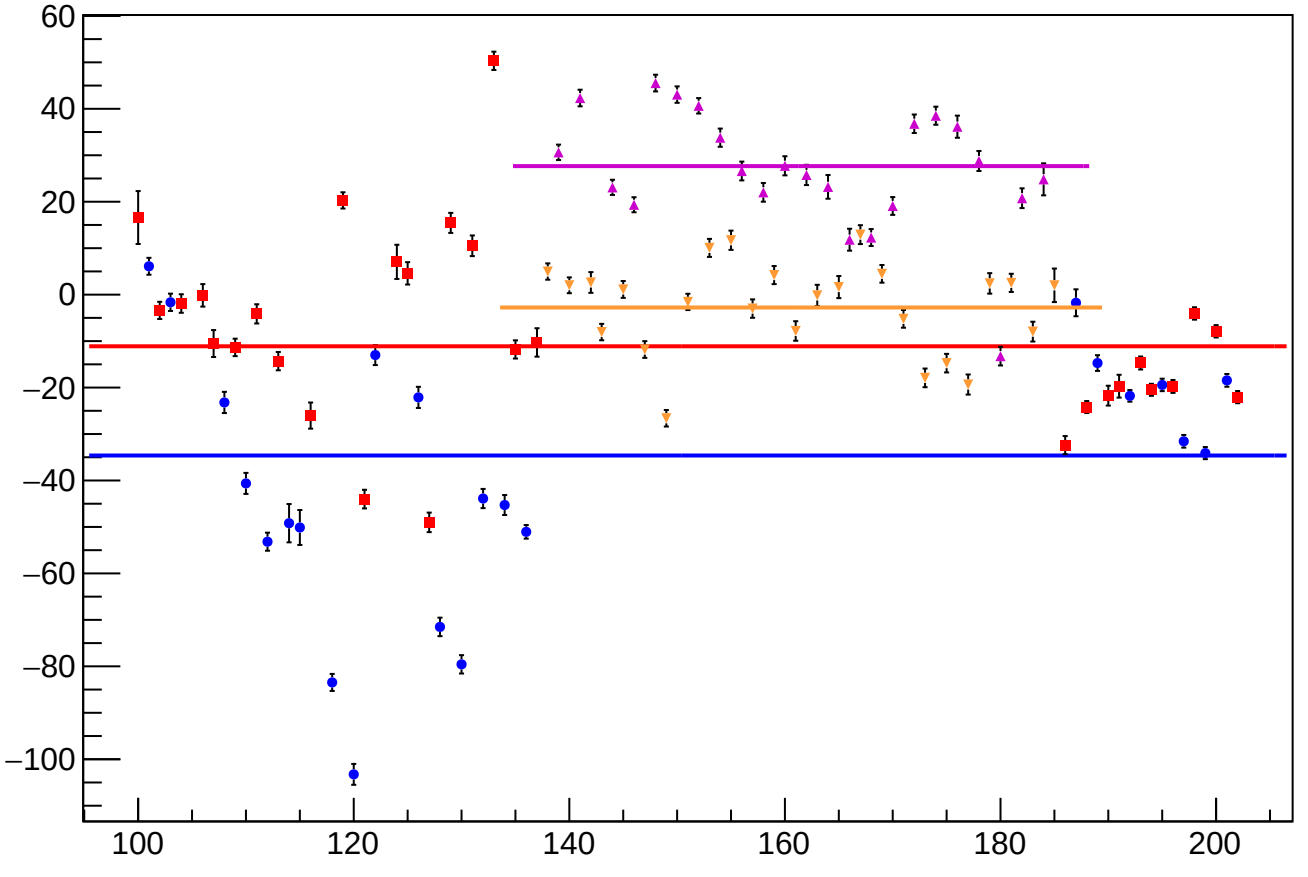
Right: 714.127+/-0.099 χ^2/NDF: 1680226.7/51

In: 819.655+/-0.107 χ^2/NDF:2089504.7/45

Out: 796.574+/-0.099 χ^2/NDF:2525385.8/53

All: 807.214+/-0.072 χ^2/NDF: 4640160.5/99

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -34.622+/-0.377 χ^2/NDF: 4413.4/22

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -11.114+/-0.344 χ^2/NDF: 2791.1/28

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

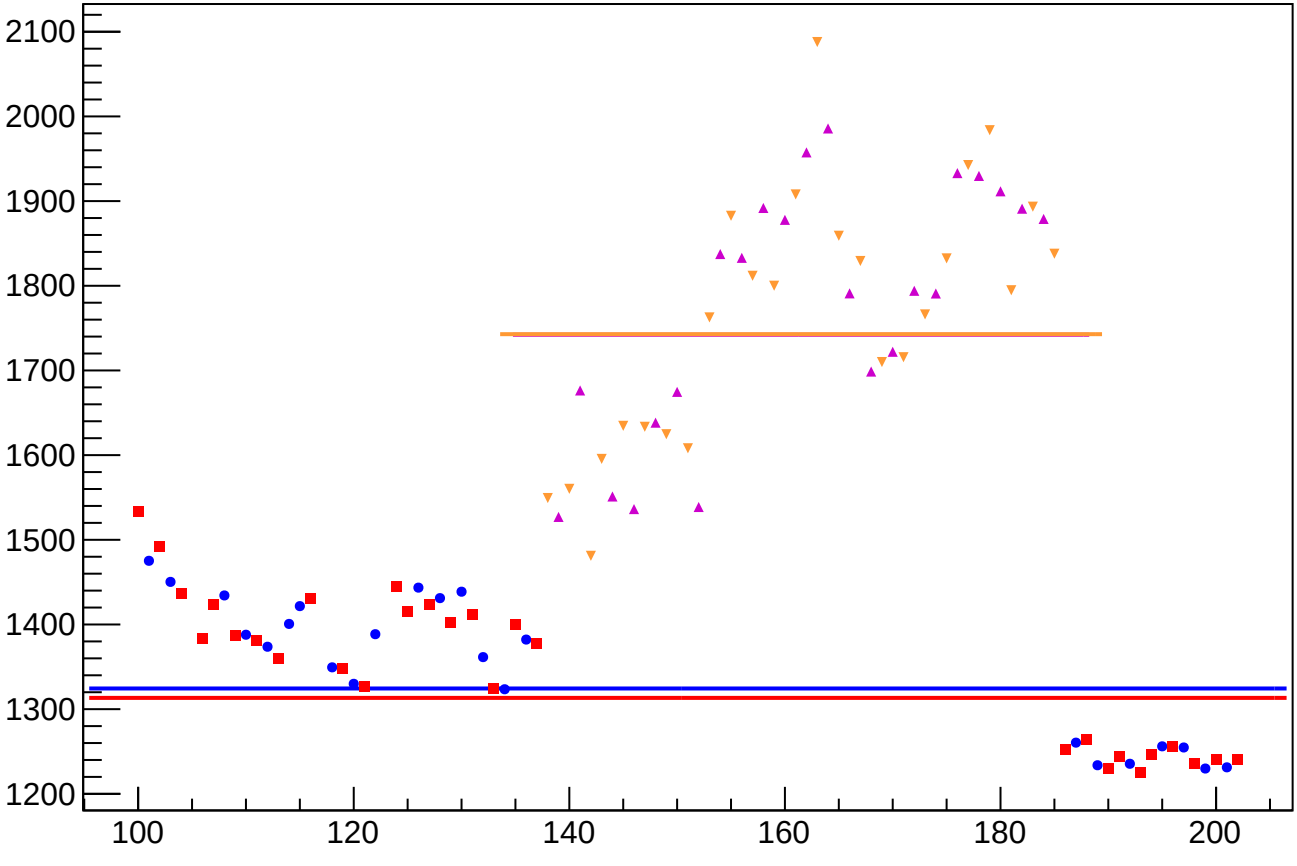
Right: -21.785+/-0.254 χ^2/NDF: 9322.7/51

In: -5.953+/-0.277 χ^2/NDF:17936.4/45

Out: -7.537+/-0.260 χ^2/NDF:3659.3/53

All: -6.795+/-0.190 χ^2/NDF: 21613.1/99

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1324.424+/-0.267 χ^2/NDF: 103135.0/22

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1313.314+/-0.243 χ^2/NDF: 113541.2/28

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

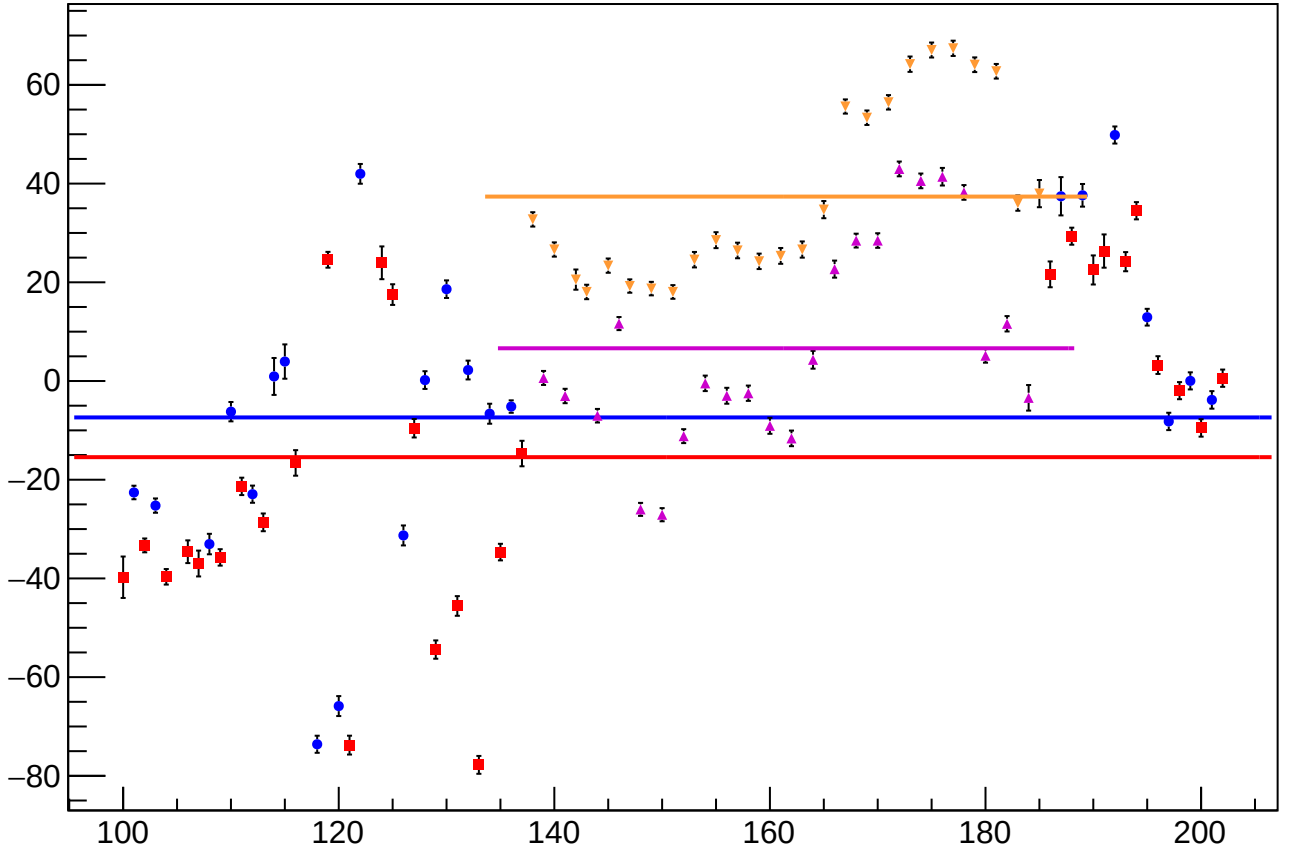
Right: 1318.357+/-0.180 χ^2/NDF: 217622.4/51

In: 1516.700+/-0.196 χ^2/NDF:1492243.0/45

Out: 1497.378+/-0.184 χ^2/NDF:1711815.0/53

All: 1506.423+/-0.134 χ^2/NDF: 3209222.8/99

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -7.379+/-0.385 χ^2/NDF: 5603.2/22

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -15.430+/-0.362 χ^2/NDF: 7417.3/28

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

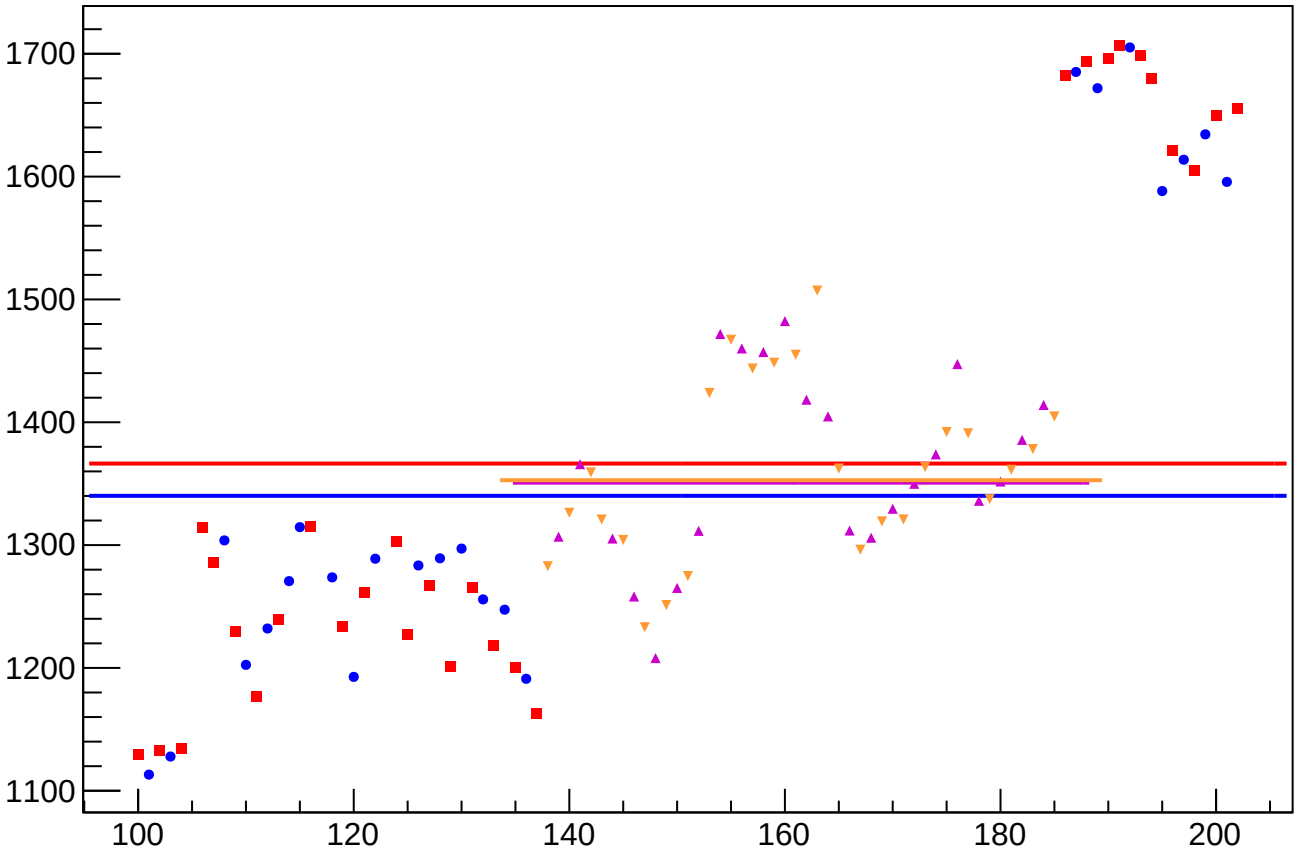
Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

Right: -11.656+/-0.264 χ^2/NDF: 13252.5/51

In: 0.995+/-0.244 χ^2/NDF:10804.0/45

Out: 15.204+/-0.235 χ^2/NDF:23160.0/53

All: 8.392+/-0.169 χ^2/NDF: 35724.1/99



Right In: 1340.120+/-0.272 χ^2/NDF: 508724.7/22

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1366.377+/-0.256 χ^2/NDF: 710708.2/28

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

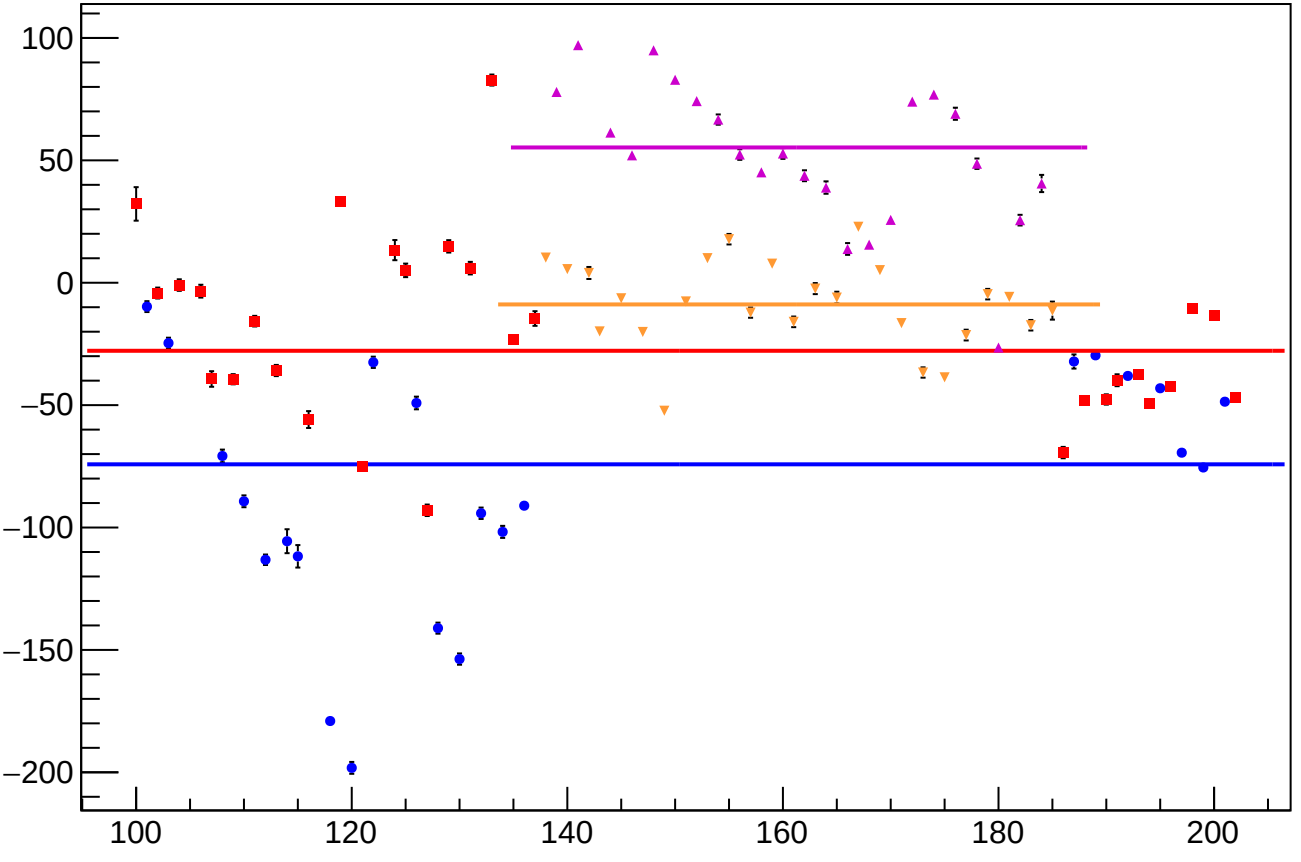
Right: 1354.067+/-0.187 χ^2/NDF: 1224367.6/51

In: 1346.521+/-0.173 χ^2/NDF:618267.0/45

Out: 1358.511+/-0.166 χ^2/NDF:817181.6/53

All: 1352.763+/-0.120 χ^2/NDF: 1437955.2/99

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -74.178+/-0.415 χ^2/NDF: 12367.7/22

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -27.795+/-0.377 χ^2/NDF: 7405.3/28

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

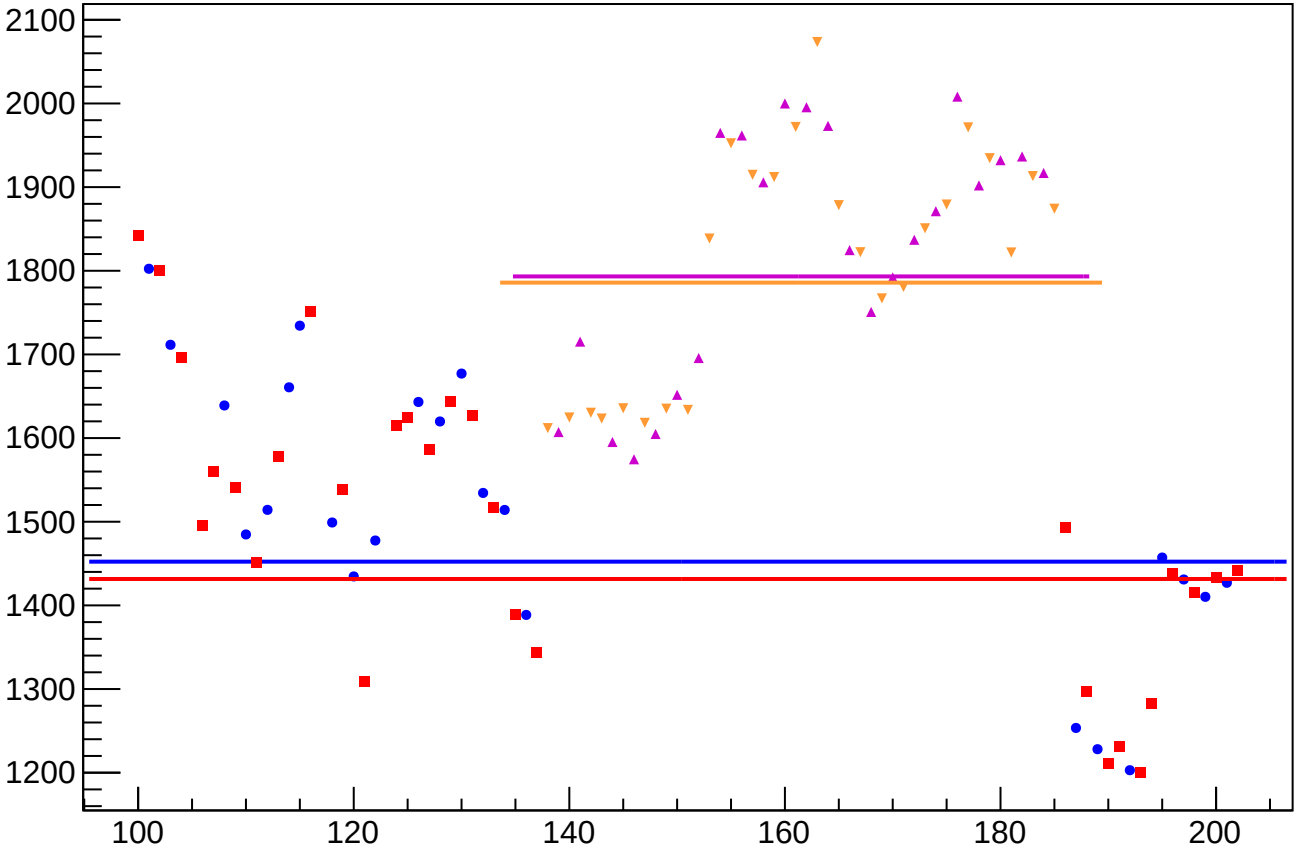
Right: -48.720+/-0.279 χ^2/NDF: 26613.3/51

In: -10.229+/-0.296 χ^2/NDF:65055.6/45

Out: -19.063+/-0.277 χ^2/NDF:10523.8/53

All: -14.939+/-0.202 χ^2/NDF: 76055.8/99

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1452.270+/-0.294 χ^2/NDF: 281453.2/22

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1431.551+/-0.266 χ^2/NDF: 329927.2/28

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

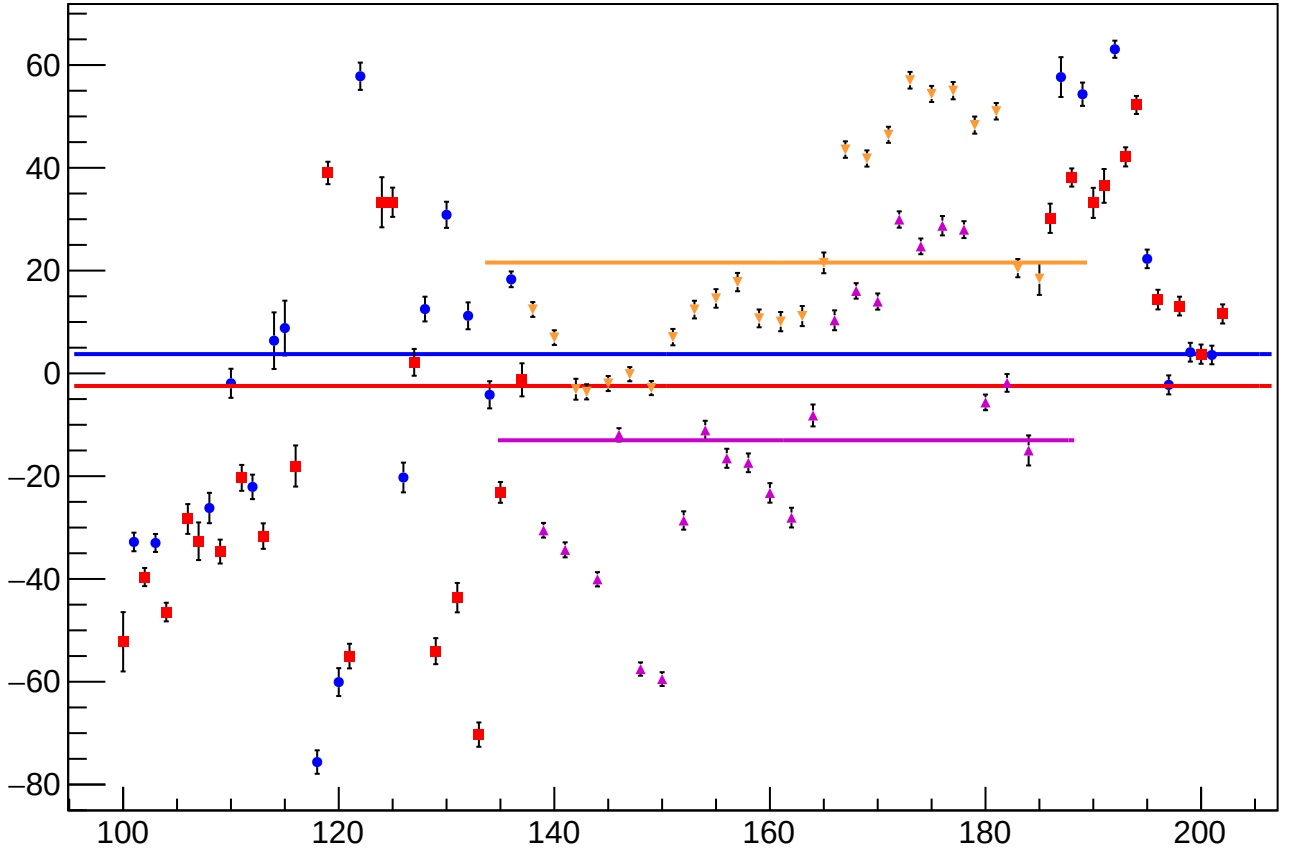
Right: 1440.898+/-0.197 χ^2/NDF: 614110.3/51

In: 1620.724+/-0.209 χ^2/NDF:1199702.9/45

Out: 1594.932+/-0.196 χ^2/NDF:1383056.7/53

All: 1606.970+/-0.143 χ^2/NDF: 2590882.0/99

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 3.752+/-0.468 χ^2/NDF: 5626.5/22

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -2.448+/-0.433 χ^2/NDF: 6964.7/28

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

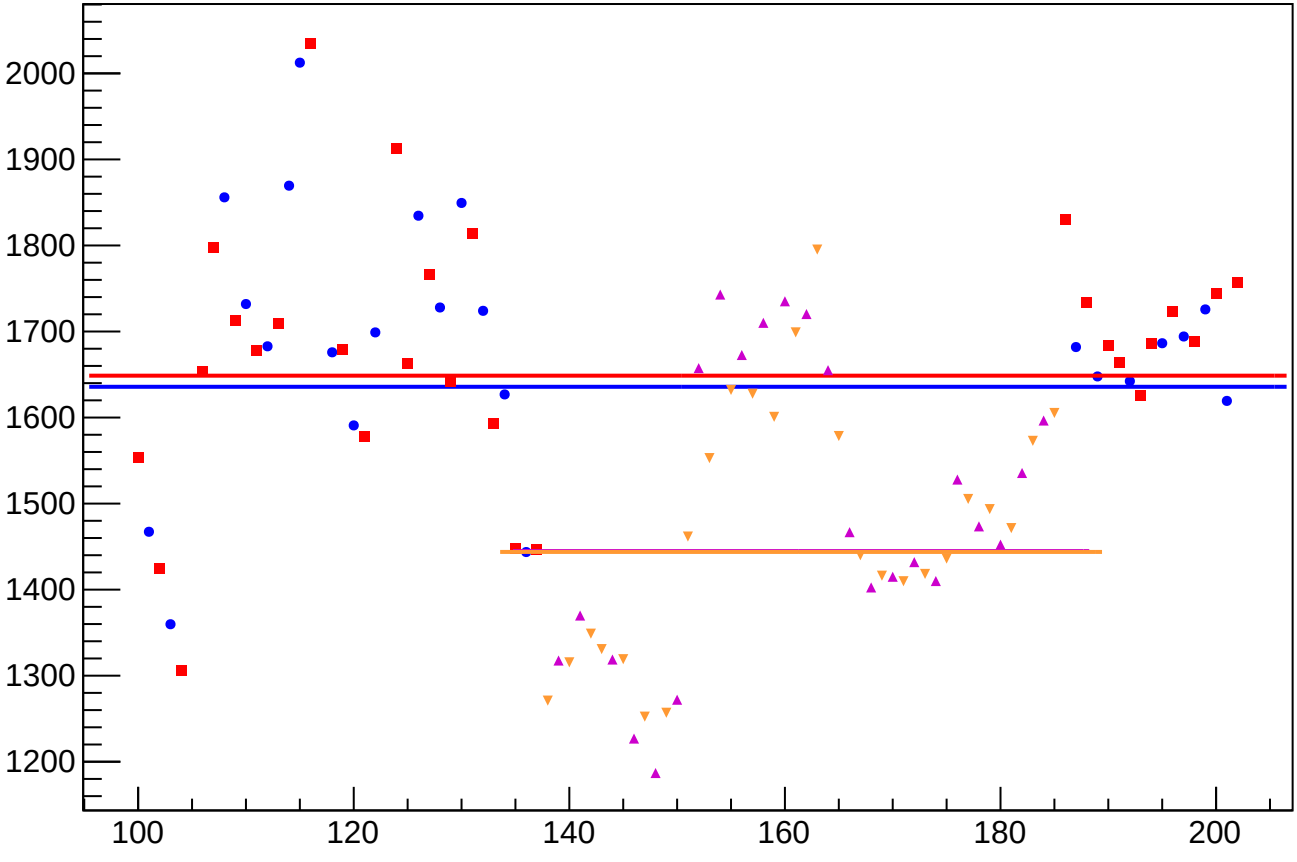
Right: 0.417+/-0.318 χ^2/NDF: 12685.8/51

In: -7.214+/-0.275 χ^2/NDF:13094.8/45

Out: 12.753+/-0.262 χ^2/NDF:13070.0/53

All: 3.234+/-0.190 χ^2/NDF: 28923.3/99

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1635.754+/-0.331 χ^2/NDF: 166481.0/22

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1648.673+/-0.306 χ^2/NDF: 207040.6/28

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

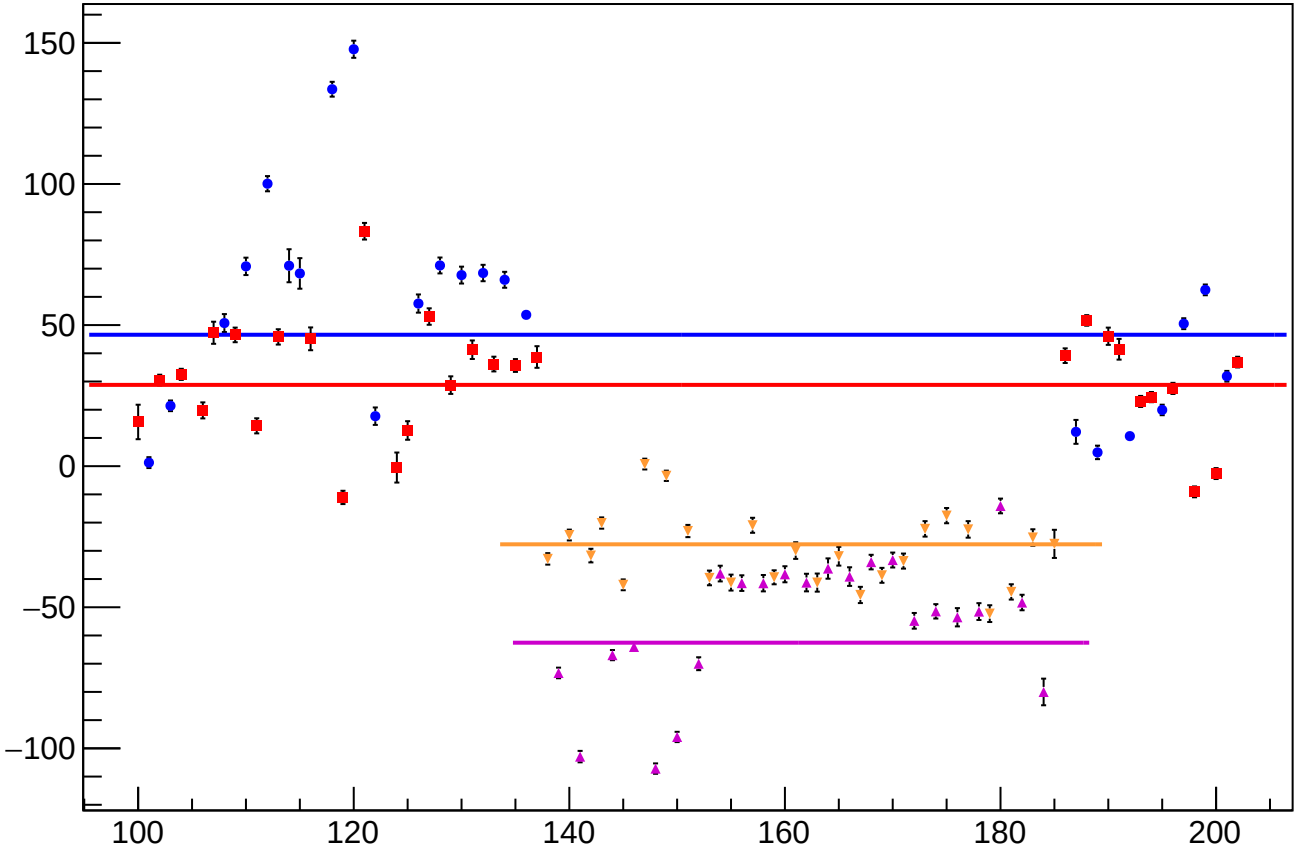
Right: 1642.704+/-0.225 χ^2/NDF: 374343.1/51

In: 1510.867+/-0.194 χ^2/NDF:869858.8/45

Out: 1519.007+/-0.186 χ^2/NDF:842417.2/53

All: 1515.126+/-0.134 χ^2/NDF: 1713193.0/99

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 46.573+/-0.508 χ^2/NDF: 4889.9/22

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 28.806+/-0.465 χ^2/NDF: 1854.7/28

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

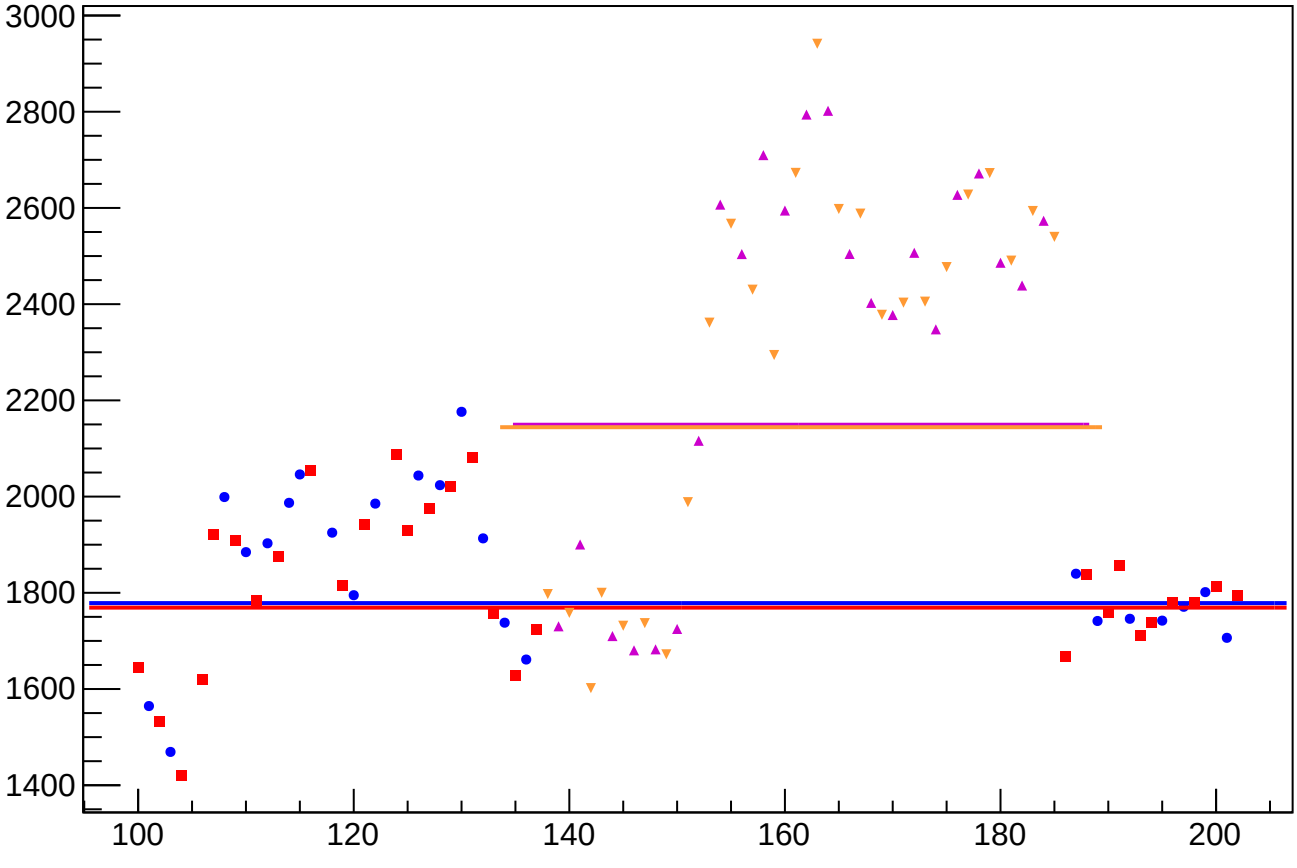
Right: 36.892+/-0.343 χ^2/NDF: 7409.8/51

In: -7.643+/-0.361 χ^2/NDF:30231.5/45

Out: 2.397+/-0.339 χ^2/NDF:9530.0/53

All: -2.314+/-0.247 χ^2/NDF: 40172.7/99

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1778.598+/-0.360 χ^2/NDF: 200138.1/22

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1769.234+/-0.329 χ^2/NDF: 200743.6/28

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

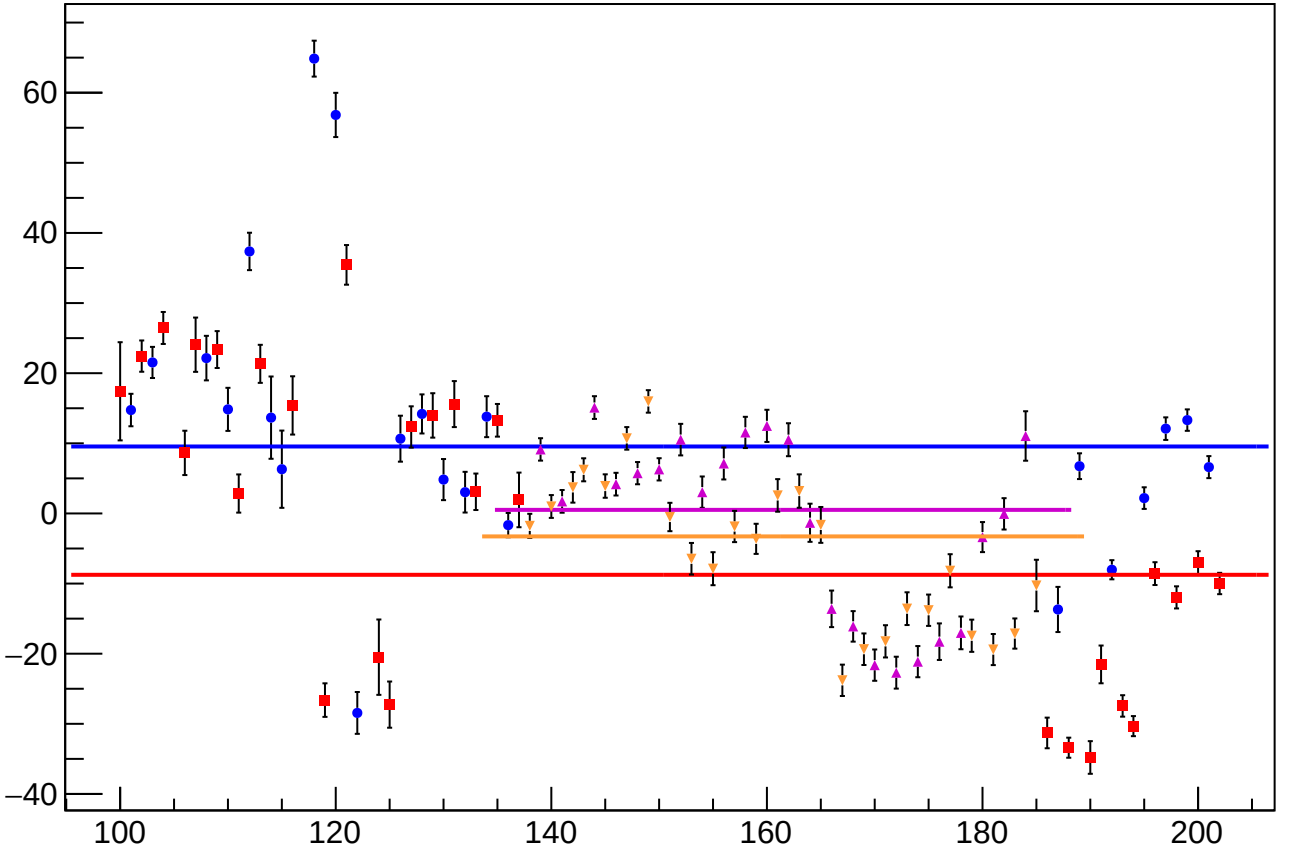
Right: 1773.495+/-0.243 χ^2/NDF: 401251.3/51

In: 1962.788+/-0.255 χ^2/NDF:1994108.5/45

Out: 1944.512+/-0.240 χ^2/NDF:2089328.5/53

All: 1953.087+/-0.175 χ^2/NDF: 4086162.4/99

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 9.548+/-0.464 χ^2/NDF: 1324.9/22

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -8.750+/-0.418 χ^2/NDF: 2419.8/28

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

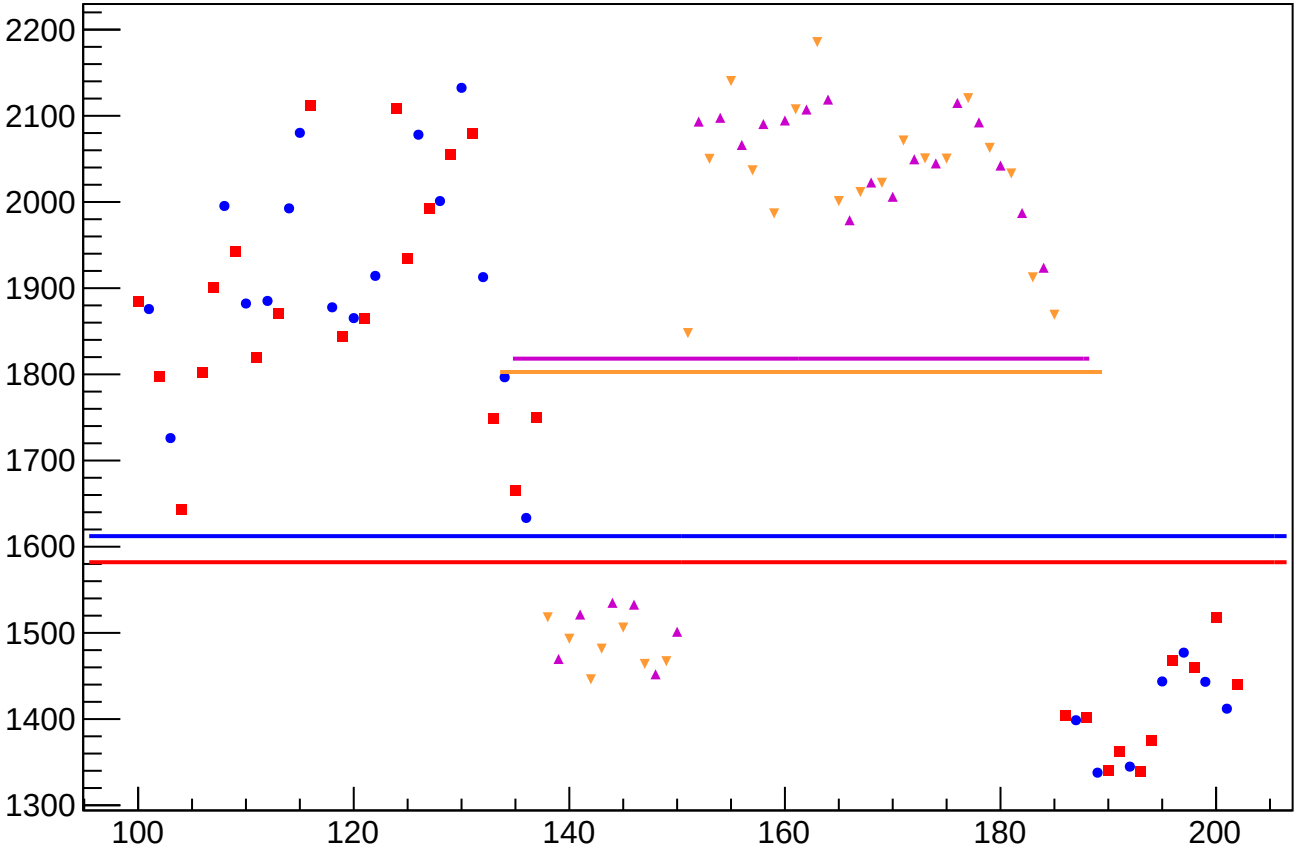
Right: -0.549+/-0.311 χ^2/NDF: 4601.9/51

In: 4.681+/-0.315 χ^2/NDF:2274.8/45

Out: -5.988+/-0.295 χ^2/NDF:3177.3/53

All: -1.018+/-0.215 χ^2/NDF: 6063.4/99

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1612.283+/-0.328 χ^2/NDF: 571469.4/22

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1582.005+/-0.296 χ^2/NDF: 599093.8/28

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

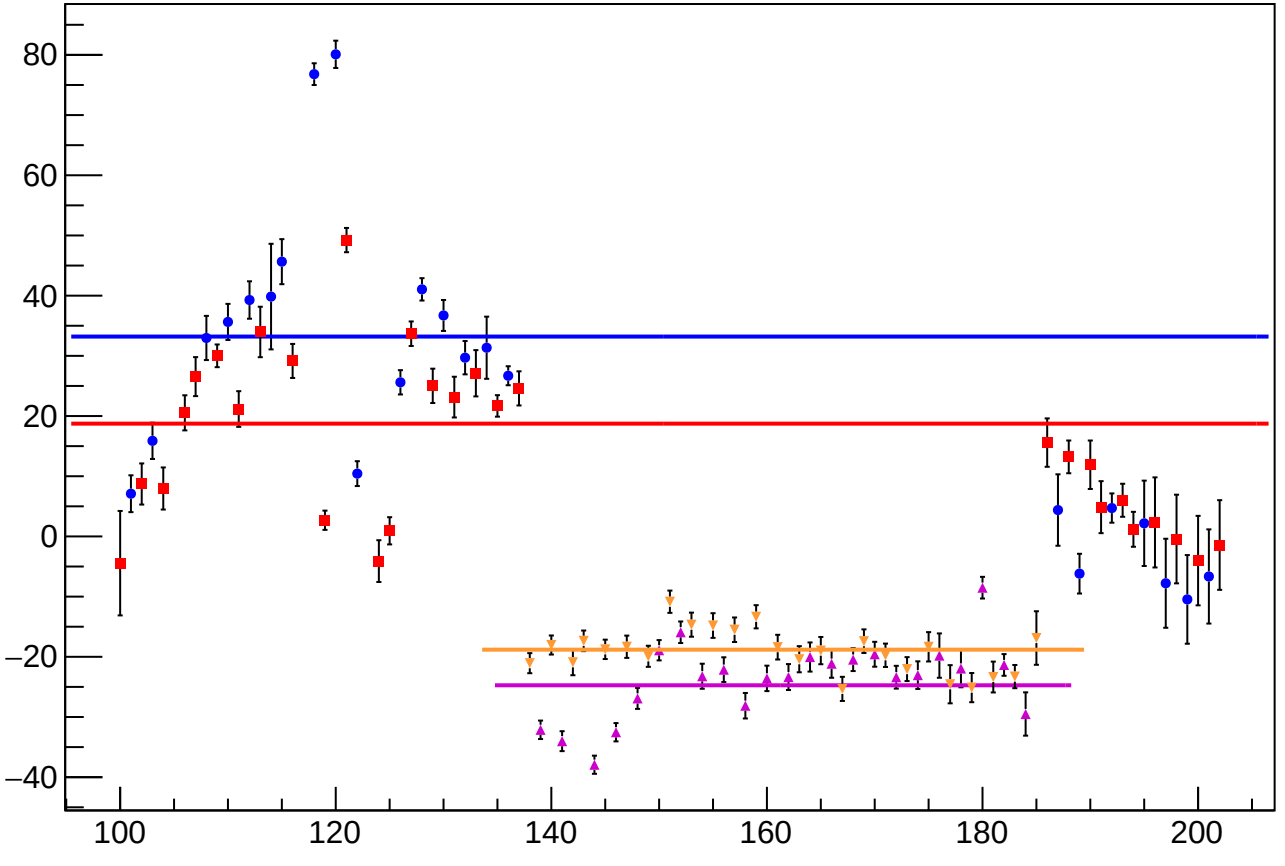
Right: 1595.575+/-0.220 χ^2/NDF: 1175256.8/51

In: 1723.190+/-0.223 χ^2/NDF:1623739.6/45

Out: 1693.374+/-0.208 χ^2/NDF:1777328.2/53

All: 1707.263+/-0.152 χ^2/NDF: 3410615.4/99

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 33.205+/-0.583 χ^2/NDF: 1720.4/22

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.738+/-0.536 χ^2/NDF: 705.7/28

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

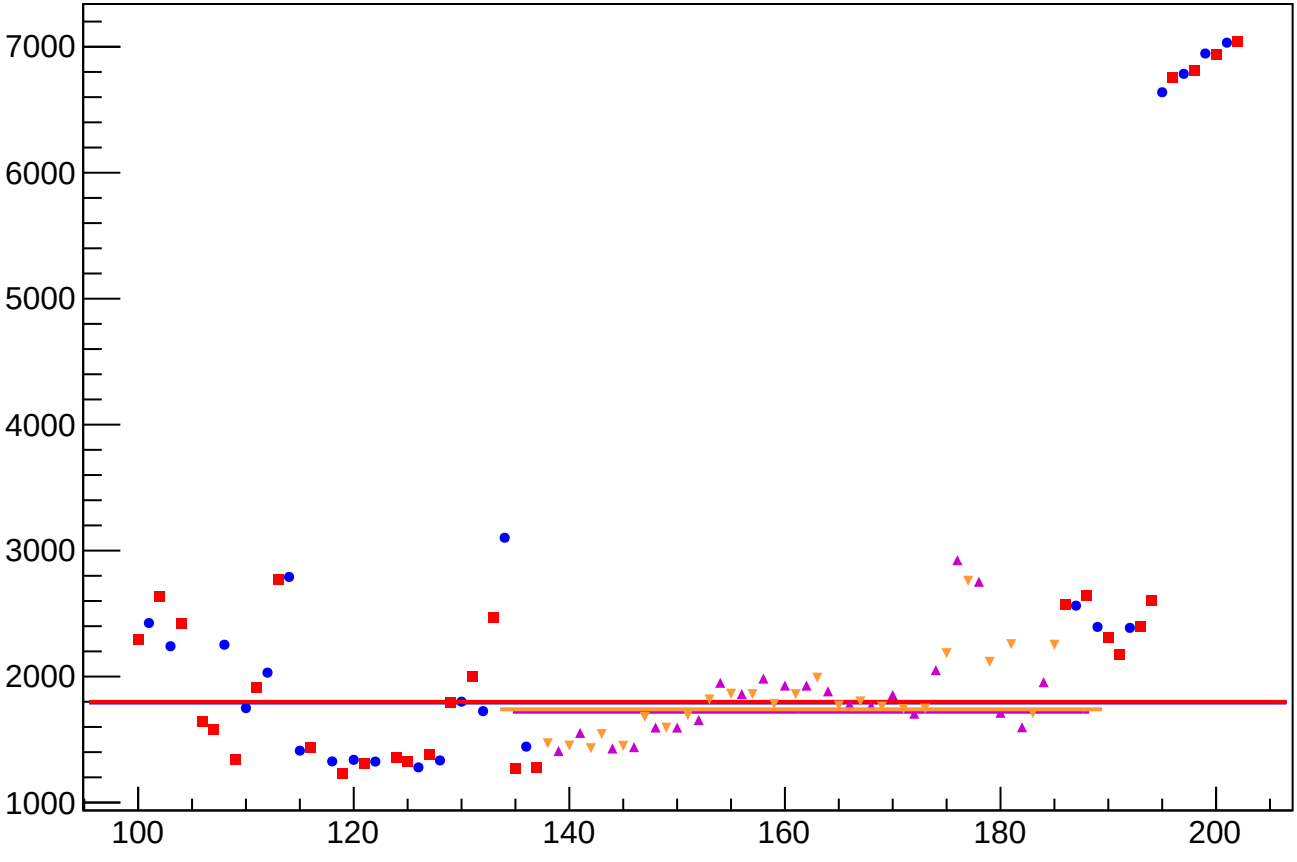
Right: 25.367+/-0.395 χ^2/NDF: 2759.9/51

In: -5.629+/-0.335 χ^2/NDF:8651.7/45

Out: -5.300+/-0.322 χ^2/NDF:3922.7/53

All: -5.458+/-0.232 χ^2/NDF: 12574.9/99

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1794.243+/-0.412 χ^2/NDF: 4956573.2/22

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1799.210+/-0.379 χ^2/NDF: 5667232.6/28

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

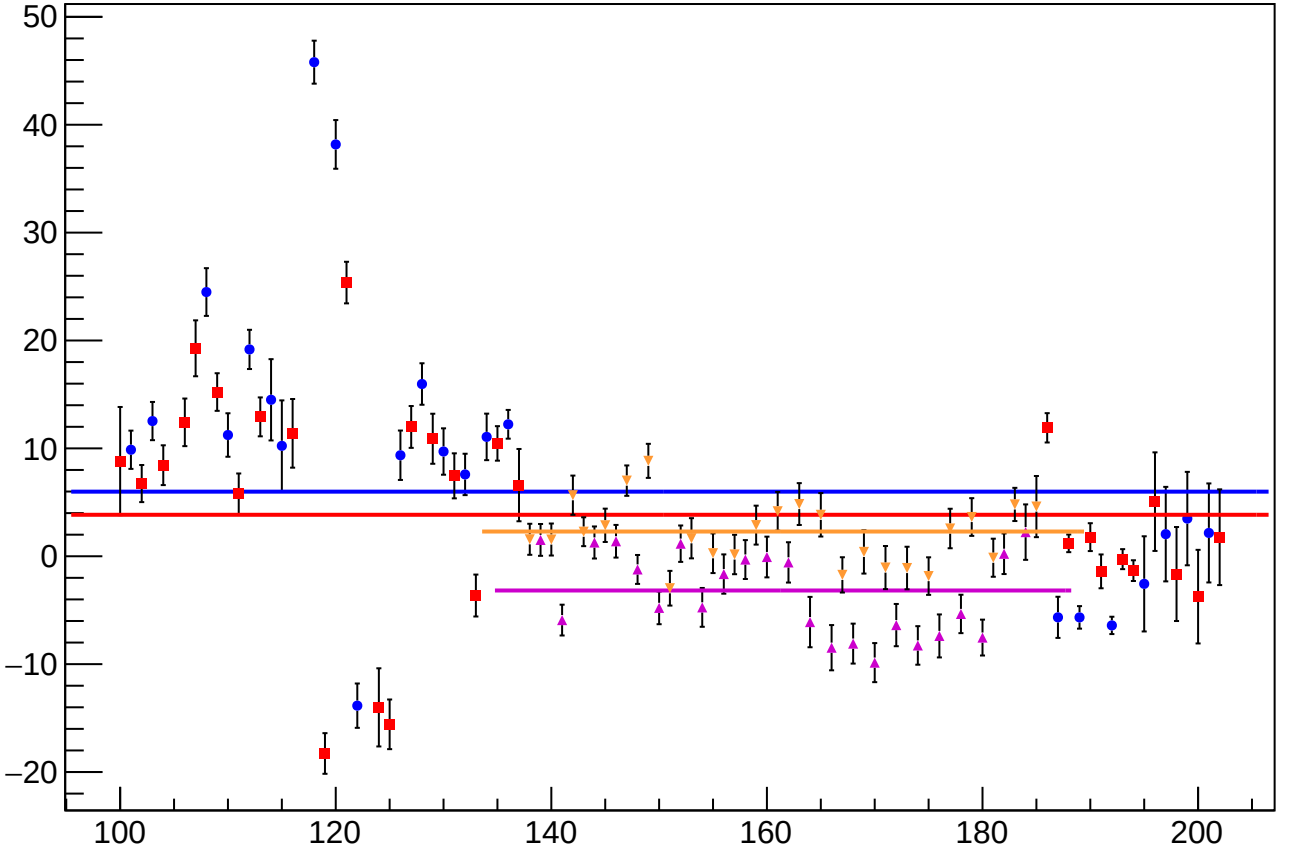
Right: 1796.934+/-0.279 χ^2/NDF: 10623884.4/51

In: 1745.058+/-0.237 χ^2/NDF:5861812.6/45

Out: 1761.367+/-0.227 χ^2/NDF:6436184.9/53

All: 1753.539+/-0.164 χ^2/NDF: 12300467.2/9

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 5.989+/-0.381 χ^2/NDF: 1315.7/22

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.845+/-0.320 χ^2/NDF: 668.8/28

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

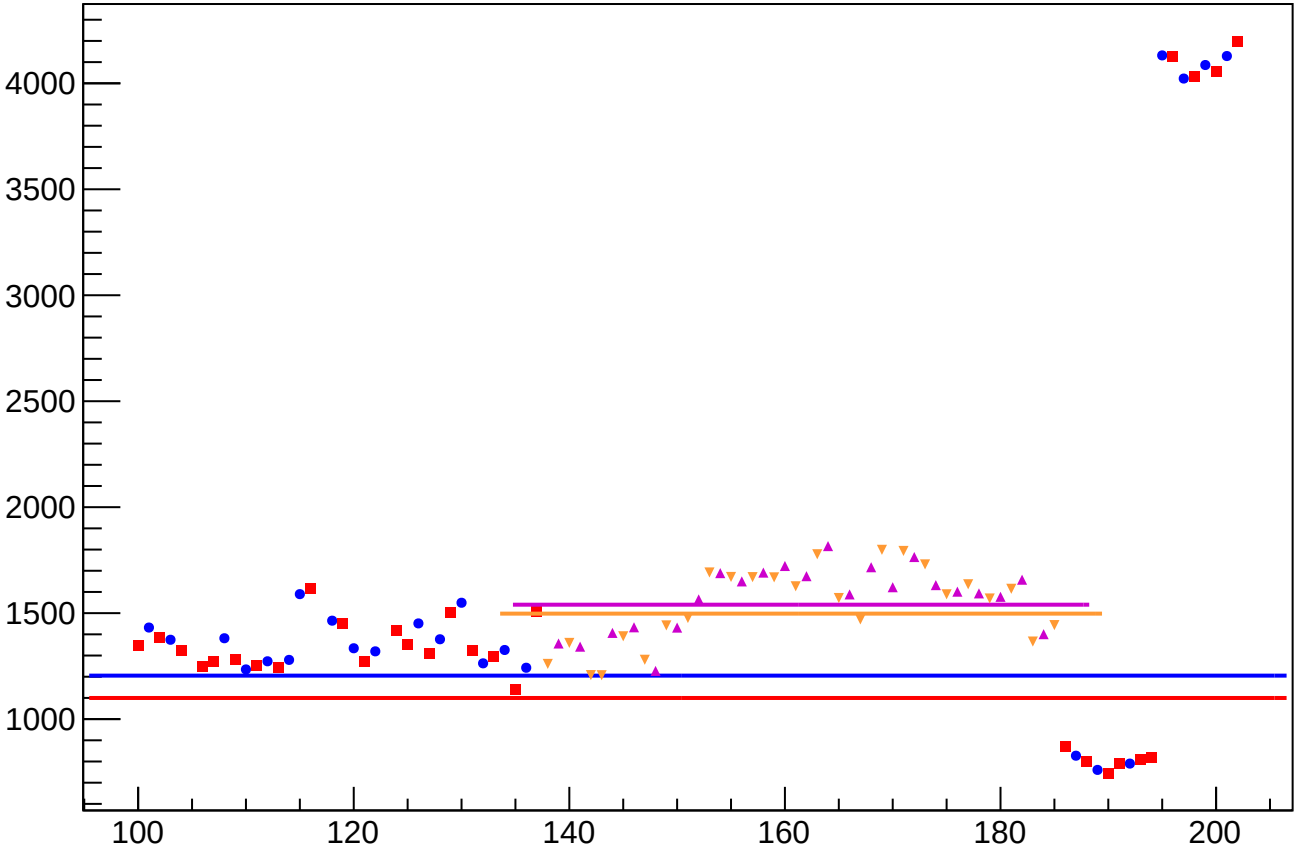
Right: 4.730+/-0.245 χ^2/NDF: 2003.0/51

In: 1.175+/-0.263 χ^2/NDF:1729.3/45

Out: 3.124+/-0.234 χ^2/NDF:753.2/53

All: 2.261+/-0.175 χ^2/NDF: 2513.1/99

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1205.184+/-0.270 χ^2/NDF: 4610944.4/22

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1099.721+/-0.226 χ^2/NDF: 5092726.7/28

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

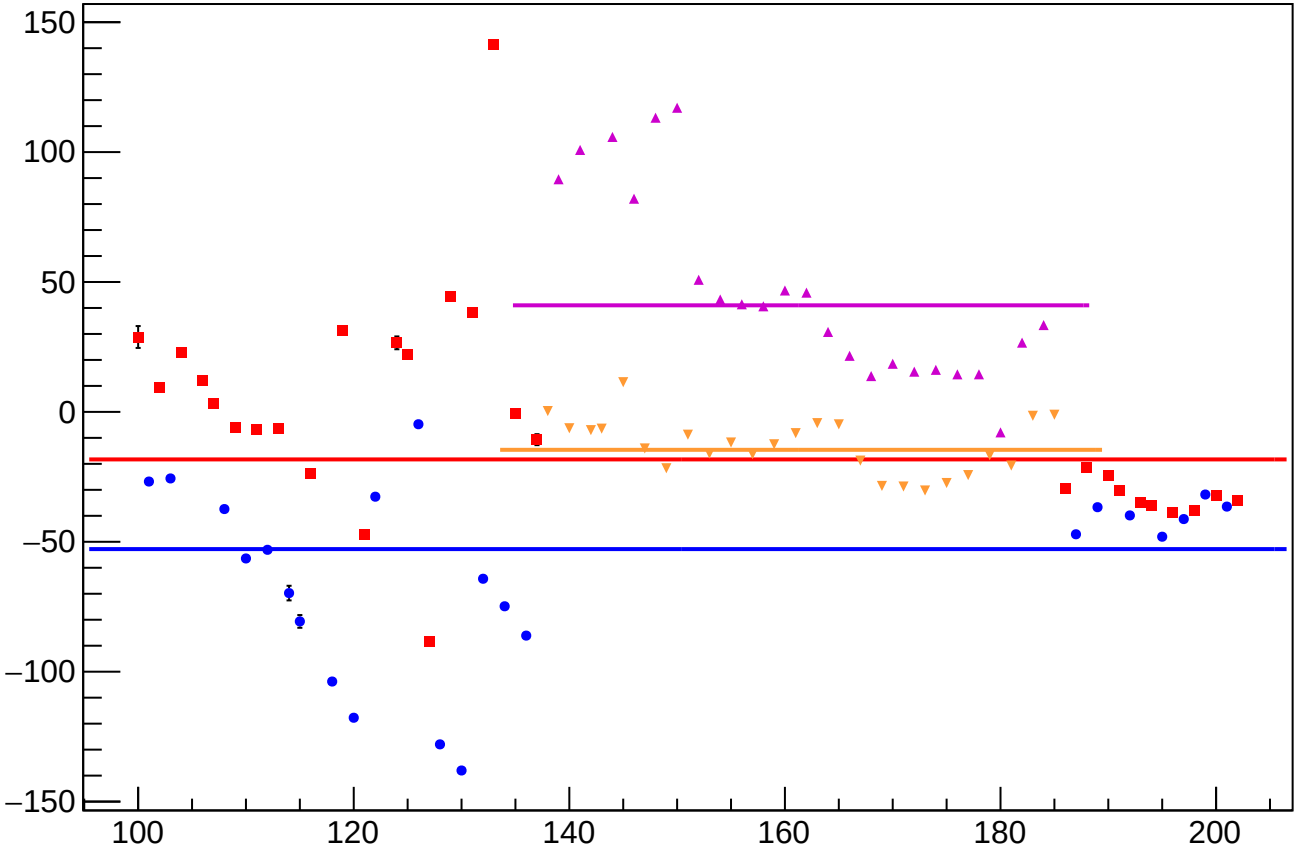
Right: 1143.270+/-0.173 χ^2/NDF: 9793449.6/51

In: 1381.060+/-0.186 χ^2/NDF:5800627.6/45

Out: 1284.572+/-0.166 χ^2/NDF:7099453.7/53

All: 1327.270+/-0.124 χ^2/NDF: 13050460.2/9

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -52.811+/-0.222 χ^2/NDF: 17721.0/22

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -18.291+/-0.199 χ^2/NDF: 29818.4/28

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

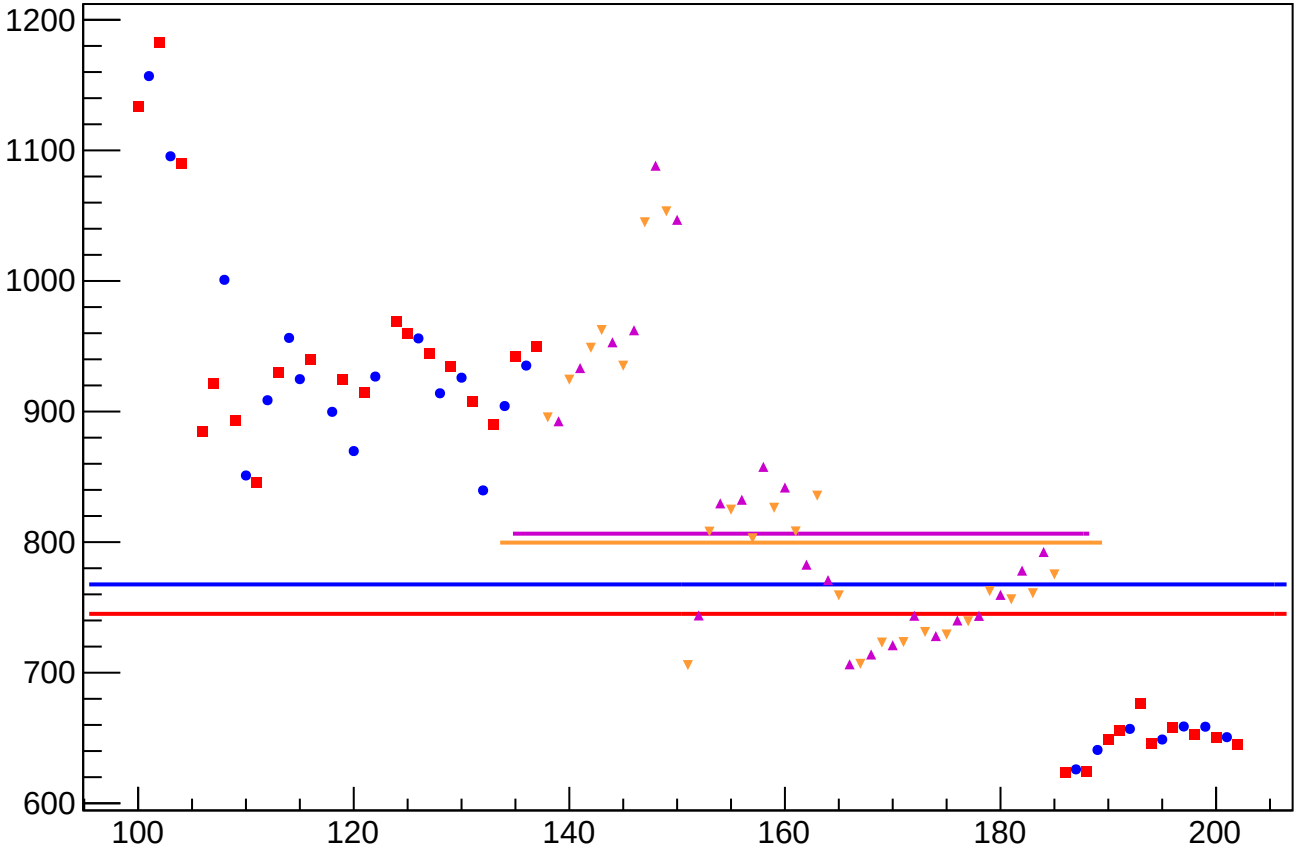
Right: -33.603+/-0.148 χ^2/NDF: 60939.2/51

In: 1.495+/-0.144 χ^2/NDF:151763.9/45

Out: -16.293+/-0.135 χ^2/NDF:33164.8/53

All: -8.025+/-0.098 χ^2/NDF: 193052.0/99

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 767.616+/-0.157 χ^2/NDF: 897066.5/22

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 745.071+/-0.140 χ^2/NDF: 1080107.3/28

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

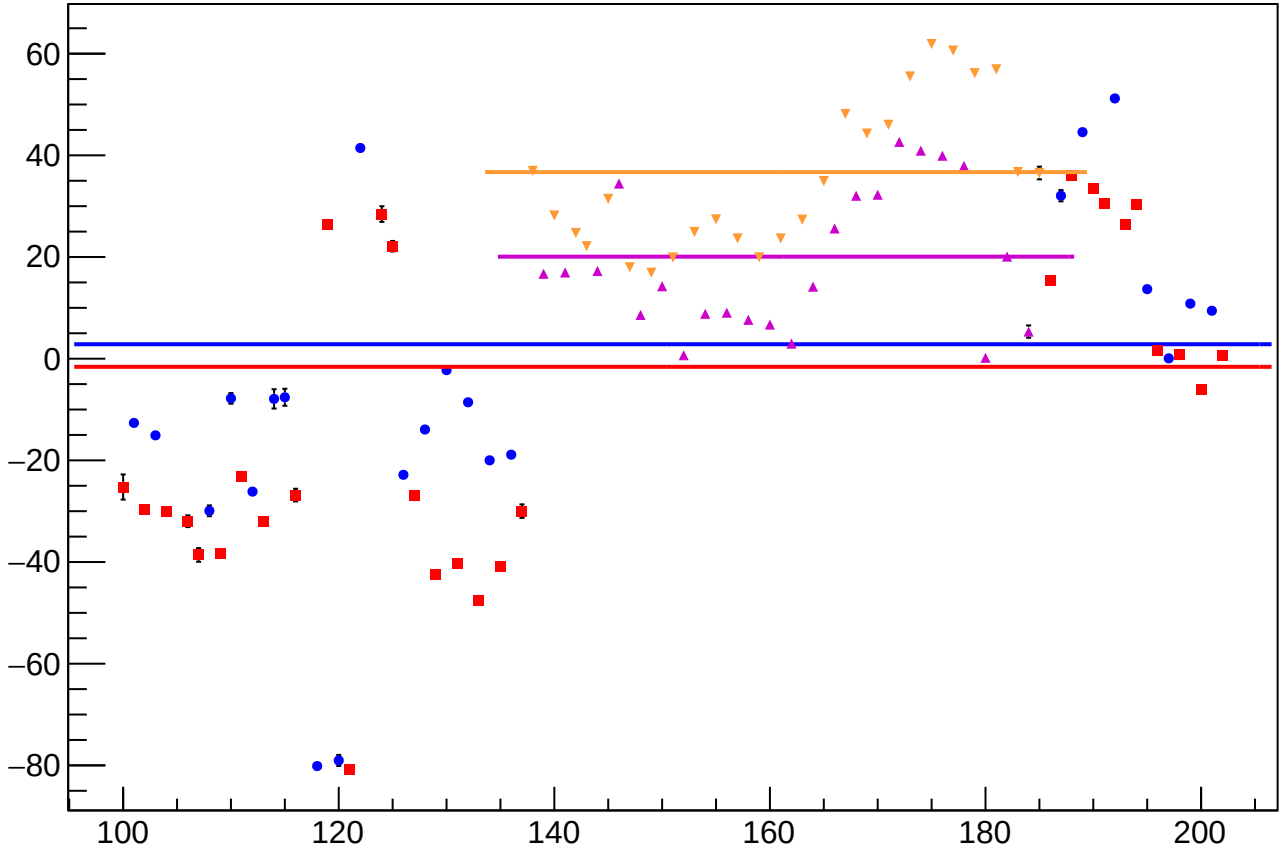
Right: 755.071+/-0.105 χ^2/NDF: 1988605.4/51

In: 790.108+/-0.102 χ^2/NDF:1443689.3/45

Out: 774.591+/-0.095 χ^2/NDF:1659218.2/53

All: 781.804+/-0.070 χ^2/NDF: 3115270.7/99

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 2.841+/-0.158 χ^2/NDF: 37966.6/22

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -1.600+/-0.143 χ^2/NDF: 42968.7/28

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

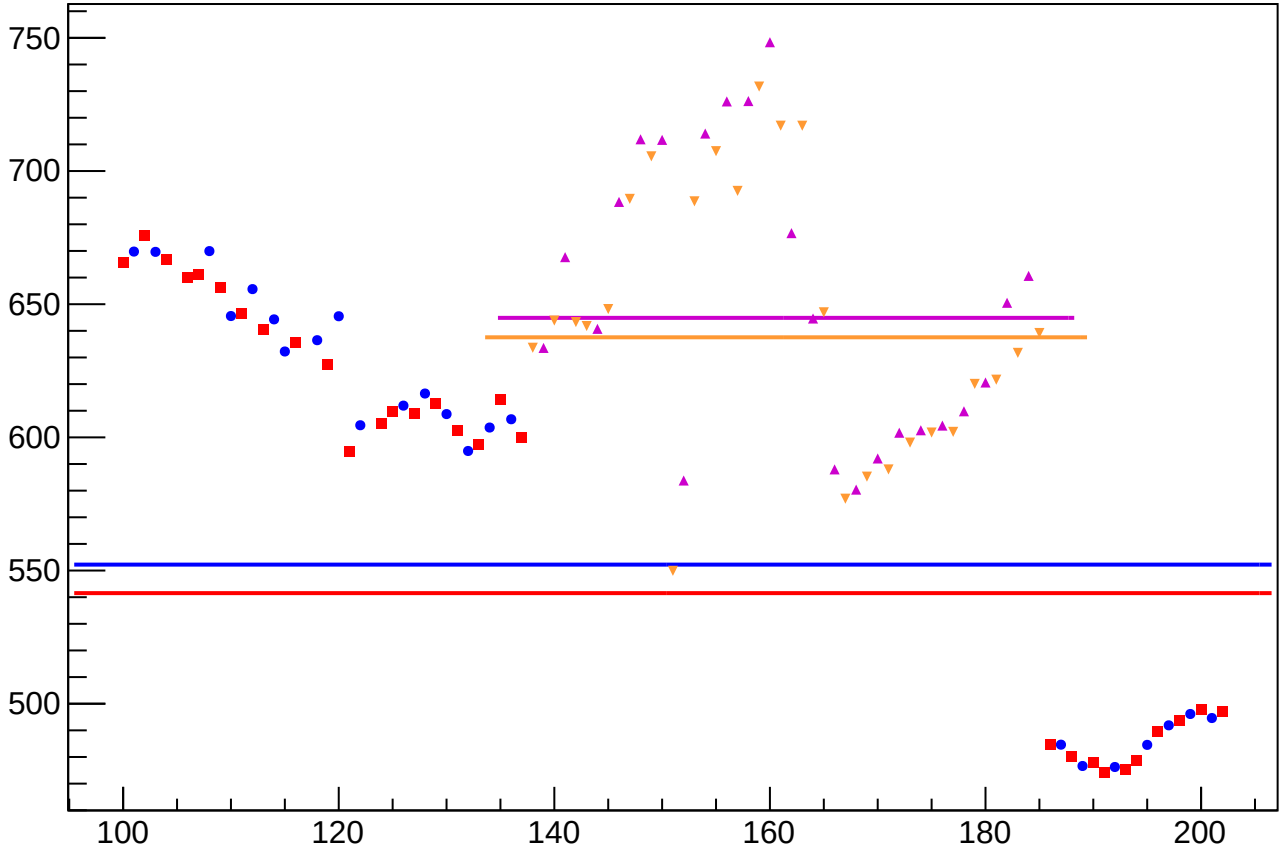
Right: 0.392+/-0.106 χ^2/NDF: 81368.5/51

In: 11.856+/-0.109 χ^2/NDF:52713.6/45

Out: 17.212+/-0.102 χ^2/NDF:88503.9/53

All: 14.724+/-0.075 χ^2/NDF: 142500.7/99

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 552.229+/-0.112 χ^2/NDF: 432092.1/22

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 541.522+/-0.101 χ^2/NDF: 508301.1/28

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

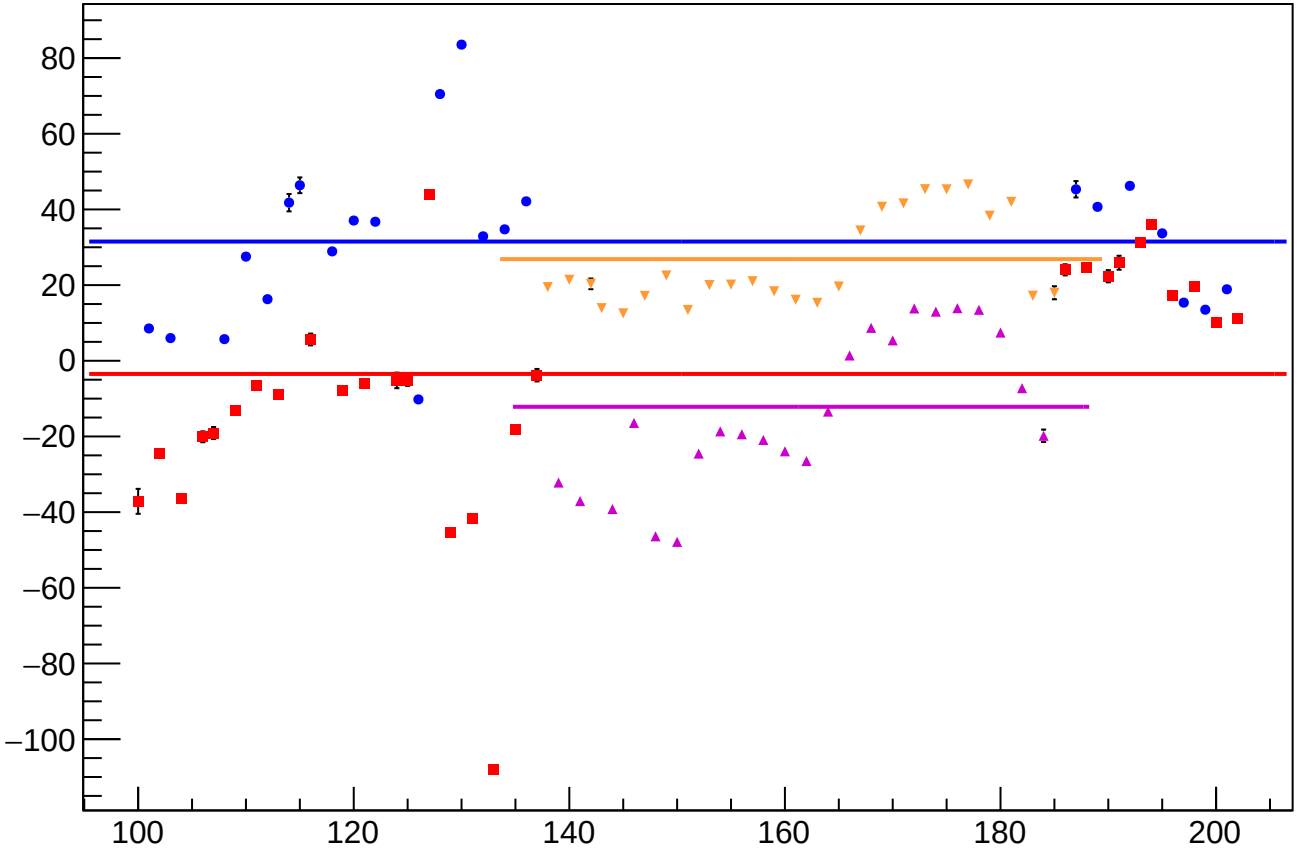
Right: 546.323+/-0.075 χ^2/NDF: 945430.8/51

In: 600.707+/-0.077 χ^2/NDF:1019435.3/45

Out: 588.692+/-0.072 χ^2/NDF:1188791.6/53

All: 594.274+/-0.053 χ^2/NDF: 2221142.9/99

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 31.513+/-0.237 χ^2/NDF: 7789.0/22

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -3.474+/-0.222 χ^2/NDF: 21072.2/28

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

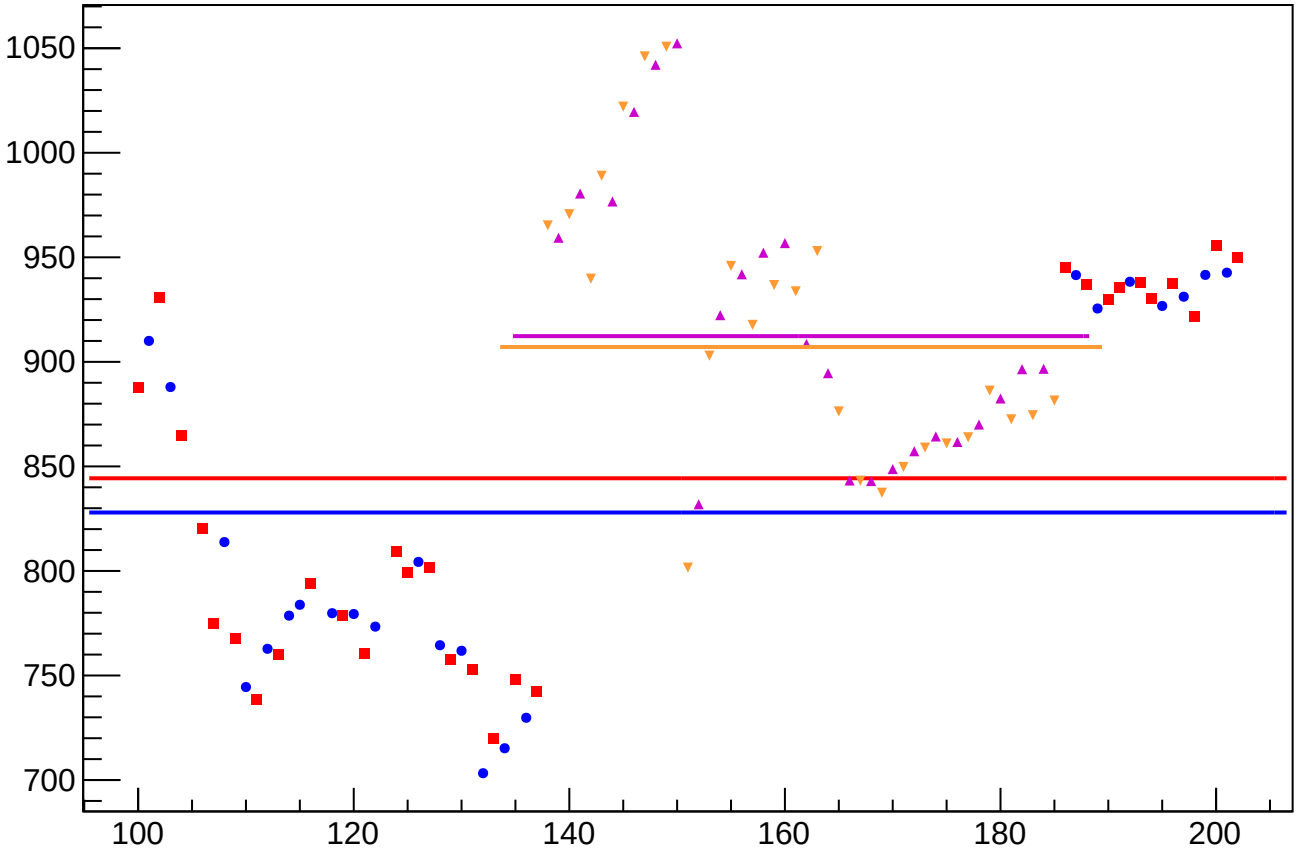
Right: 12.888+/-0.162 χ^2/NDF: 40477.3/51

In: 7.438+/-0.159 χ^2/NDF:35078.8/45

Out: 12.779+/-0.151 χ^2/NDF:34468.9/53

All: 10.236+/-0.109 χ^2/NDF: 70141.3/99

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 827.950+/-0.167 χ^2/NDF: 274929.8/22

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 844.320+/-0.157 χ^2/NDF: 302525.3/28

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

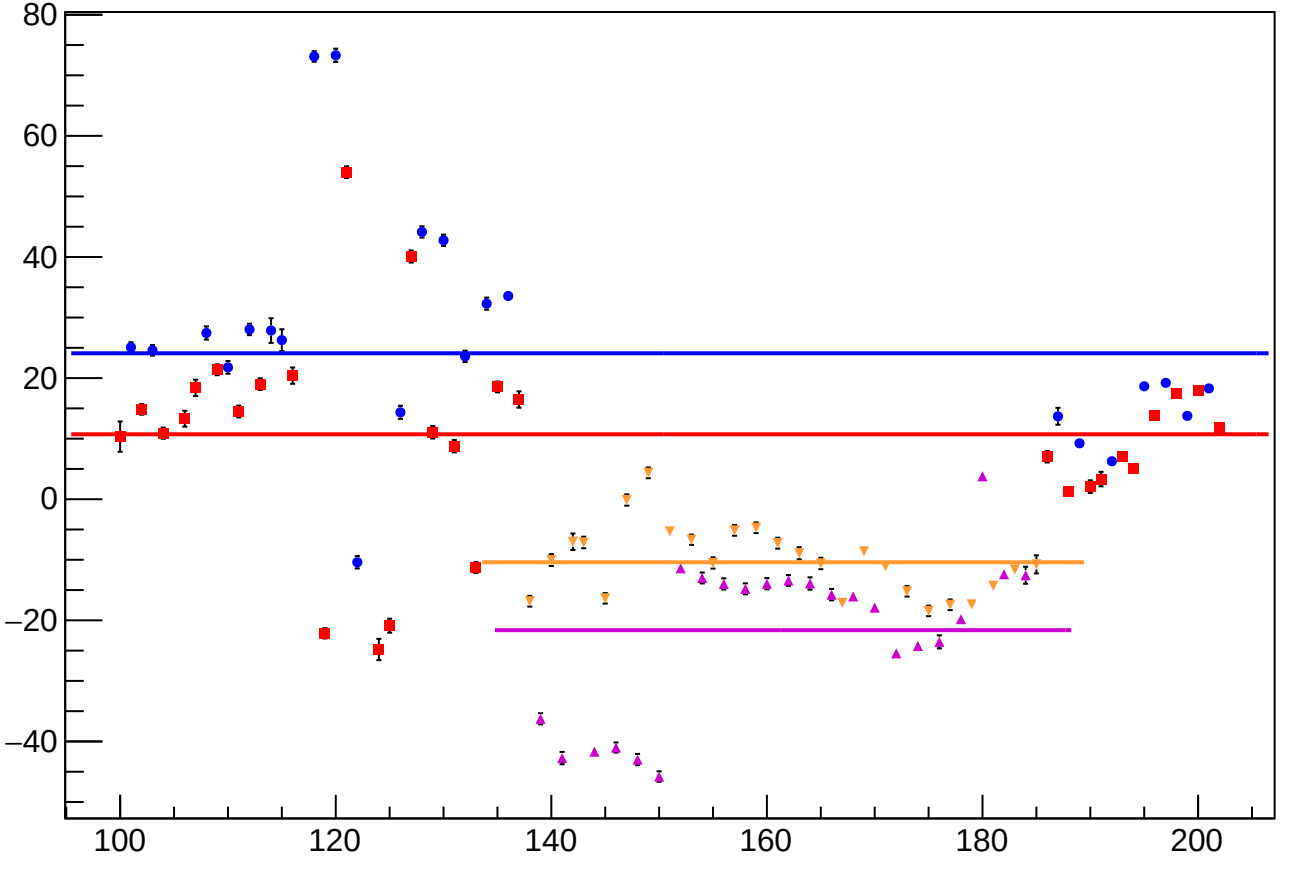
Right: 836.665+/-0.115 χ^2/NDF: 582541.3/51

In: 874.450+/-0.112 χ^2/NDF:589488.0/45

Out: 877.945+/-0.107 χ^2/NDF:582788.8/53

All: 876.281+/-0.077 χ^2/NDF: 1172785.1/99

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 24.097+/-0.176 χ^2/NDF: 9325.7/22

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.724+/-0.165 χ^2/NDF: 7301.6/28

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

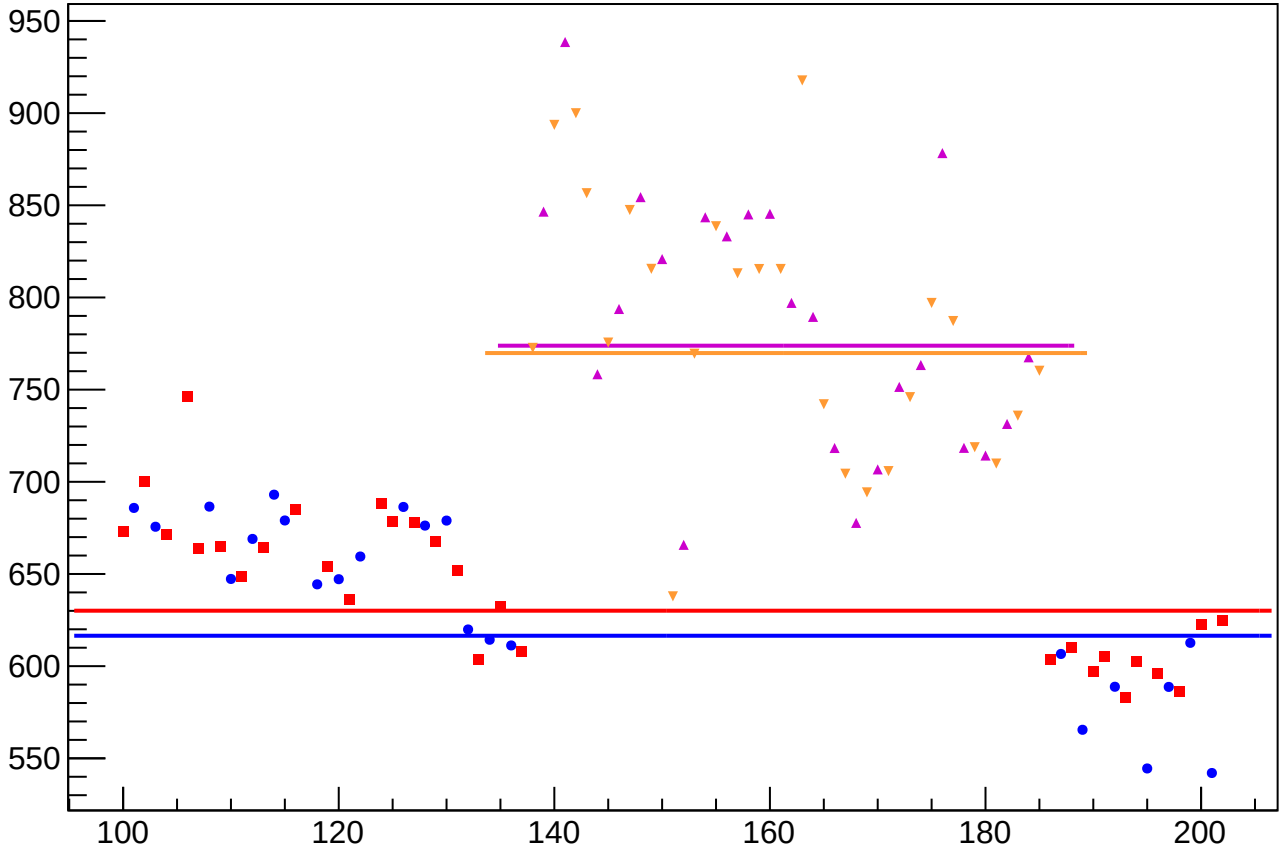
Right: 16.974+/-0.121 χ^2/NDF: 19688.9/51

In: 1.946+/-0.127 χ^2/NDF:47118.1/45

Out: 0.825+/-0.120 χ^2/NDF:16004.8/53

All: 1.358+/-0.087 χ^2/NDF: 63164.1/99

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 616.496+/-0.125 χ^2/NDF: 152951.0/22

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 630.081+/-0.117 χ^2/NDF: 97375.5/28

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

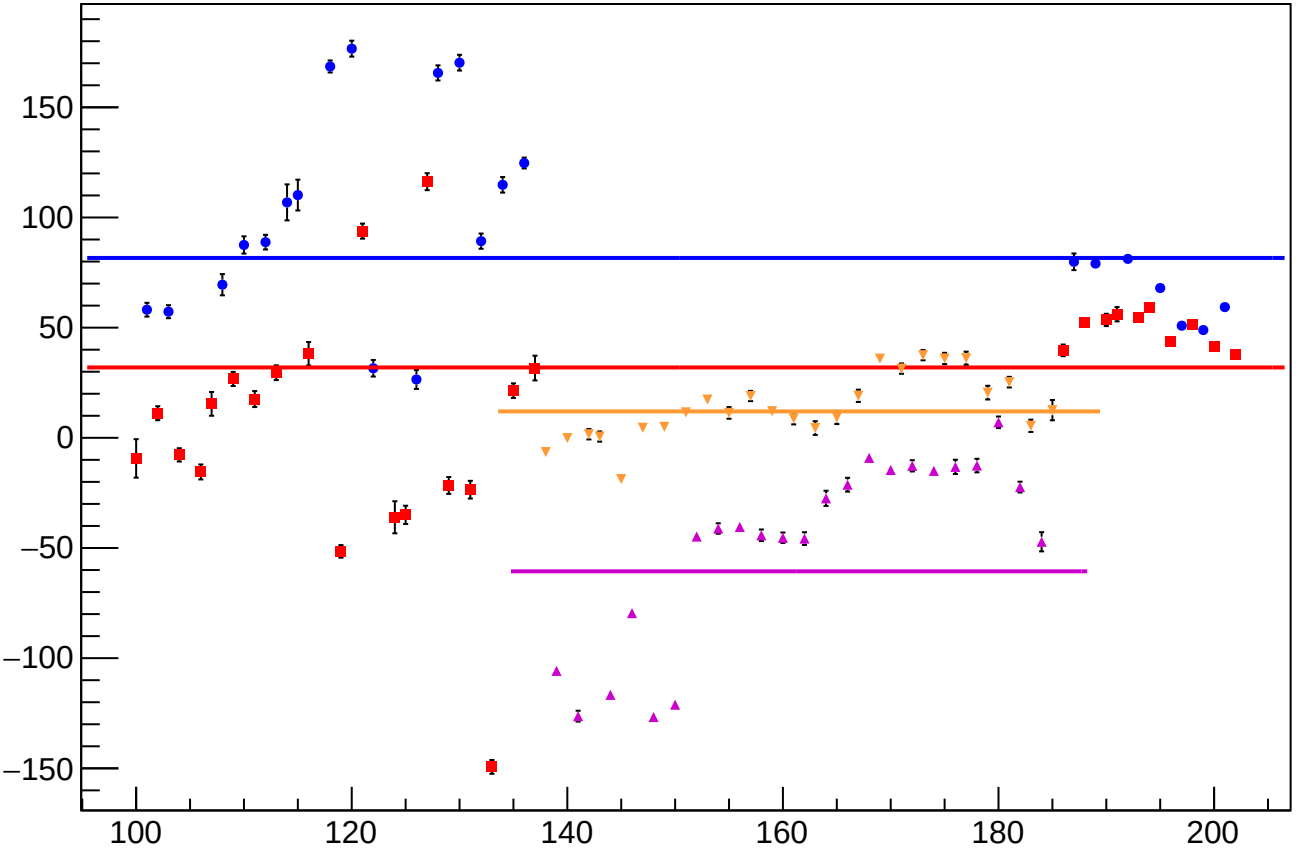
Right: 623.732+/-0.085 χ^2/NDF: 256645.2/51

In: 692.734+/-0.090 χ^2/NDF:1206936.4/45

Out: 695.559+/-0.085 χ^2/NDF:1072320.0/53

All: 694.217+/-0.062 χ^2/NDF: 2279779.0/99

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 81.635+/-0.551 χ^2/NDF: 4670.4/22

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 31.939+/-0.506 χ^2/NDF: 7102.4/28

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

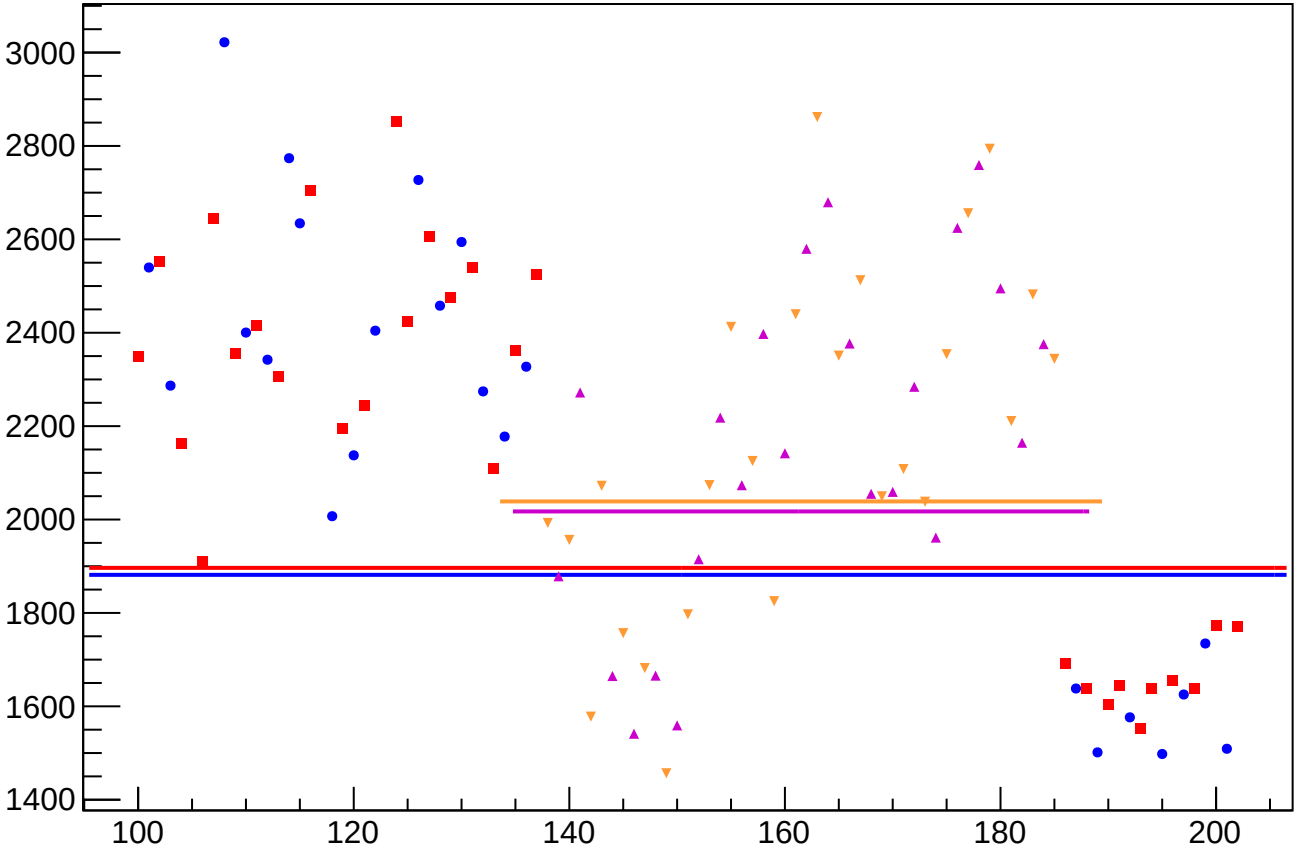
Right: 54.682+/-0.373 χ^2/NDF: 16188.5/51

In: 0.933+/-0.362 χ^2/NDF:51149.8/45

Out: 21.263+/-0.345 χ^2/NDF:8881.7/53

All: 11.595+/-0.250 χ^2/NDF: 61683.4/99

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1881.552+/-0.389 χ^2/NDF: 1137429.0/22

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1896.516+/-0.358 χ^2/NDF: 960097.4/28

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

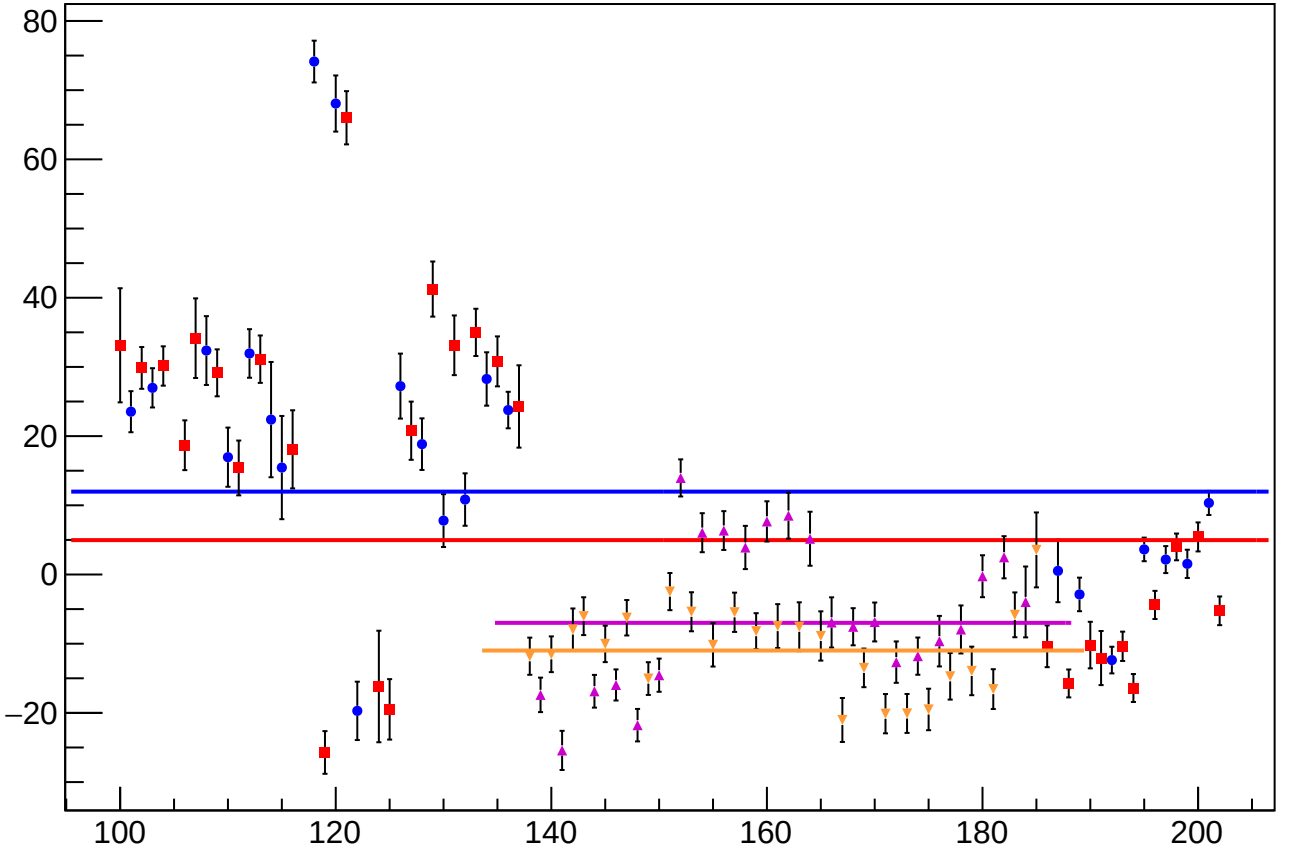
Right: 1889.668+/-0.263 χ^2/NDF: 2098327.2/51

In: 1958.591+/-0.256 χ^2/NDF:2256439.3/45

Out: 1972.648+/-0.244 χ^2/NDF:2168246.9/53

All: 1965.963+/-0.177 χ^2/NDF: 4426265.6/99

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 11.979+/-0.597 χ^2/NDF: 1100.5/22

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 4.970+/-0.561 χ^2/NDF: 1368.3/28

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

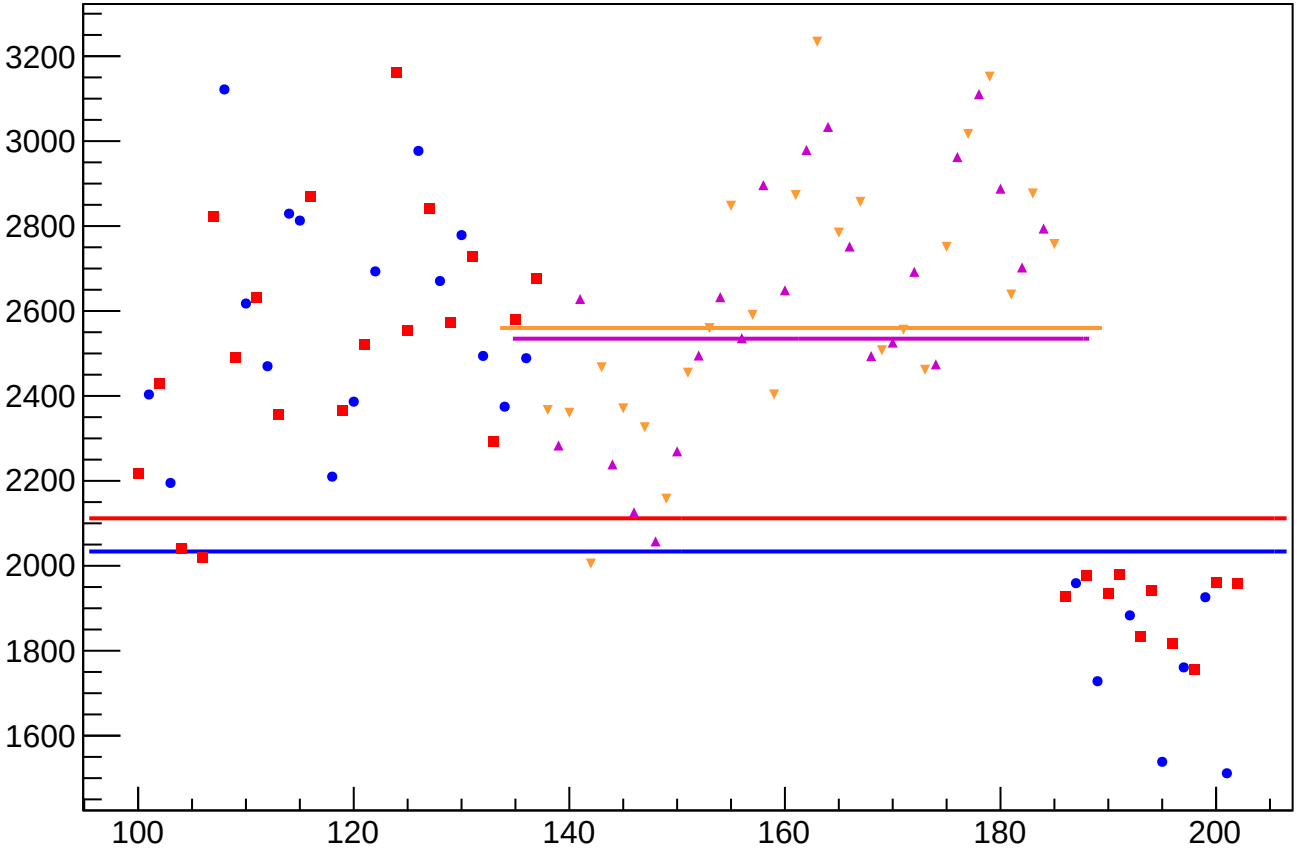
Right: 8.259+/-0.409 χ^2/NDF: 2542.0/51

In: 2.520+/-0.423 χ^2/NDF:1943.2/45

Out: -2.665+/-0.405 χ^2/NDF:1842.7/53

All: -0.181+/-0.293 χ^2/NDF: 3864.3/99

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2033.705+/-0.422 χ^2/NDF: 1070212.1/22

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2111.815+/-0.397 χ^2/NDF: 640773.7/28

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

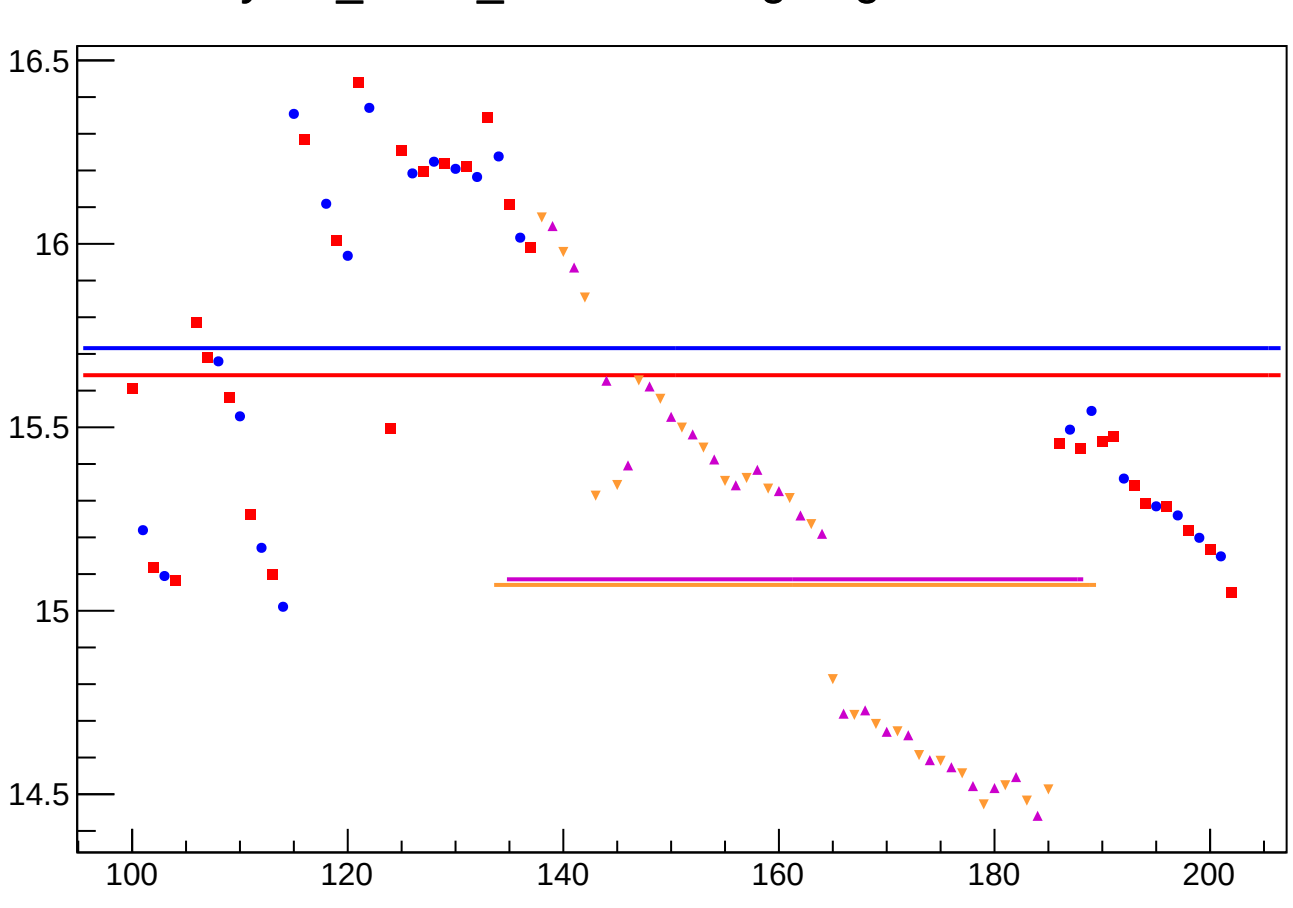
Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

Right: 2075.168+/-0.289 χ^2/NDF: 1729159.7/51

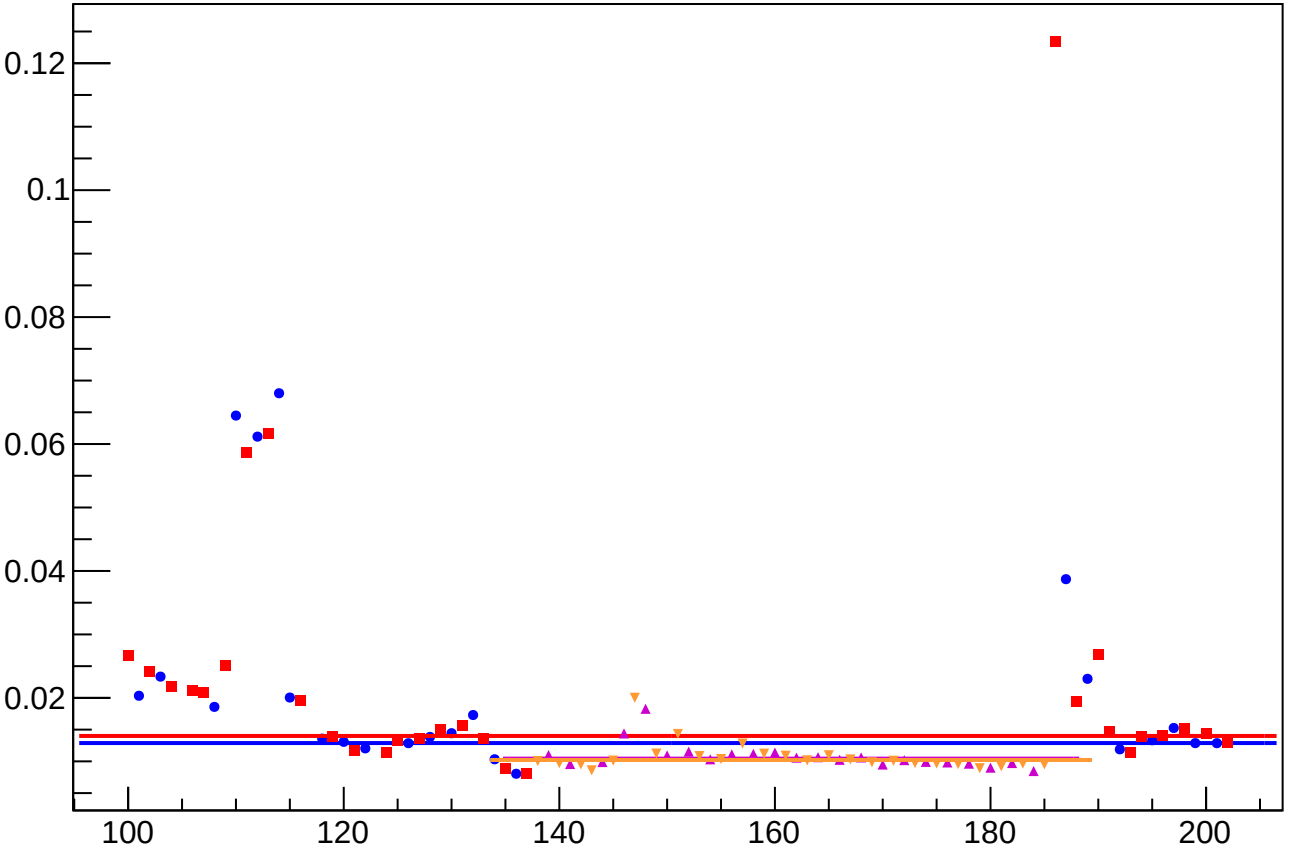
In: 2283.630+/-0.299 χ^2/NDF:2236570.9/45

Out: 2326.255+/-0.287 χ^2/NDF:1701062.3/53

All: 2305.836+/-0.207 χ^2/NDF: 3948230.4/99


yield_sam1_mean vs Slug, Sign Corrected
16.5
16
15.5
15
14.5
100
120
140
160
180
200
Right In: 15.716+/-0.000 χ²/NDF: 12067810186.8/22
Left Out: 15.070+/-0.000 χ²/NDF:43718295237.2/24
Right Out: 15.642+/-0.000 χ²/NDF: 13614454454.8/28
Left In: 15.086+/-0.000 χ²/NDF:39504896066.7/22
Left: 15.078+/-0.000 χ²/NDF: 83242630627.9/47
Right: 15.679+/-0.000 χ²/NDF: 25849951724.6/51
In: 15.263+/-0.000 χ²/NDF:69178630261.8/45
Out: 15.220+/-0.000 χ²/NDF:72190277210.4/53
All: 15.241+/-0.000 χ²/NDF: 141576415863.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2738075.3/22

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3244142.1/28

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

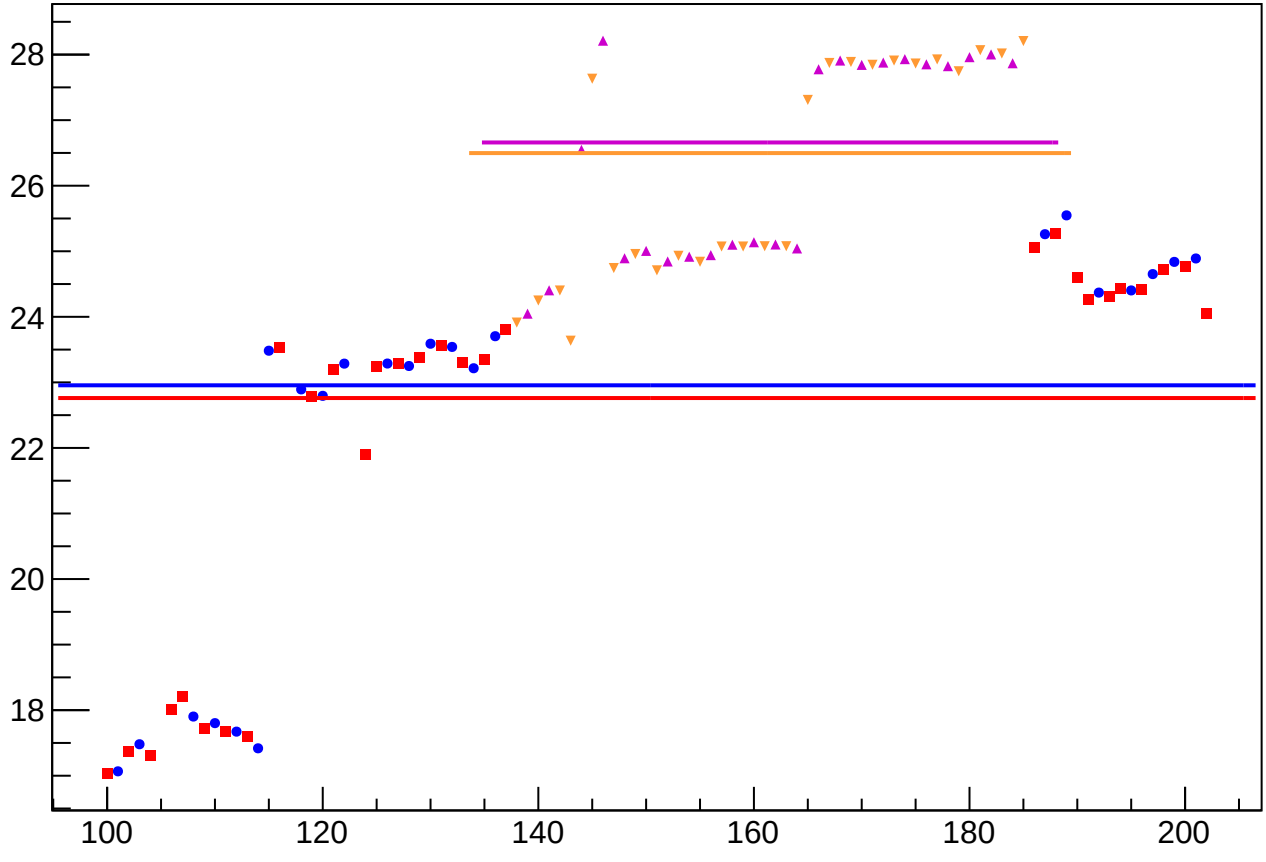
Right: 0.013+/-0.000 χ^2/NDF: 6059522.1/51

In: 0.011+/-0.000 χ^2/NDF:3870879.7/45

Out: 0.011+/-0.000 χ^2/NDF:5308744.0/53

All: 0.011+/-0.000 χ^2/NDF: 9181463.1/99

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.955+/-0.000 χ^2/NDF: 1381492583.5/22

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.761+/-0.000 χ^2/NDF: 1472115825.3/28

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

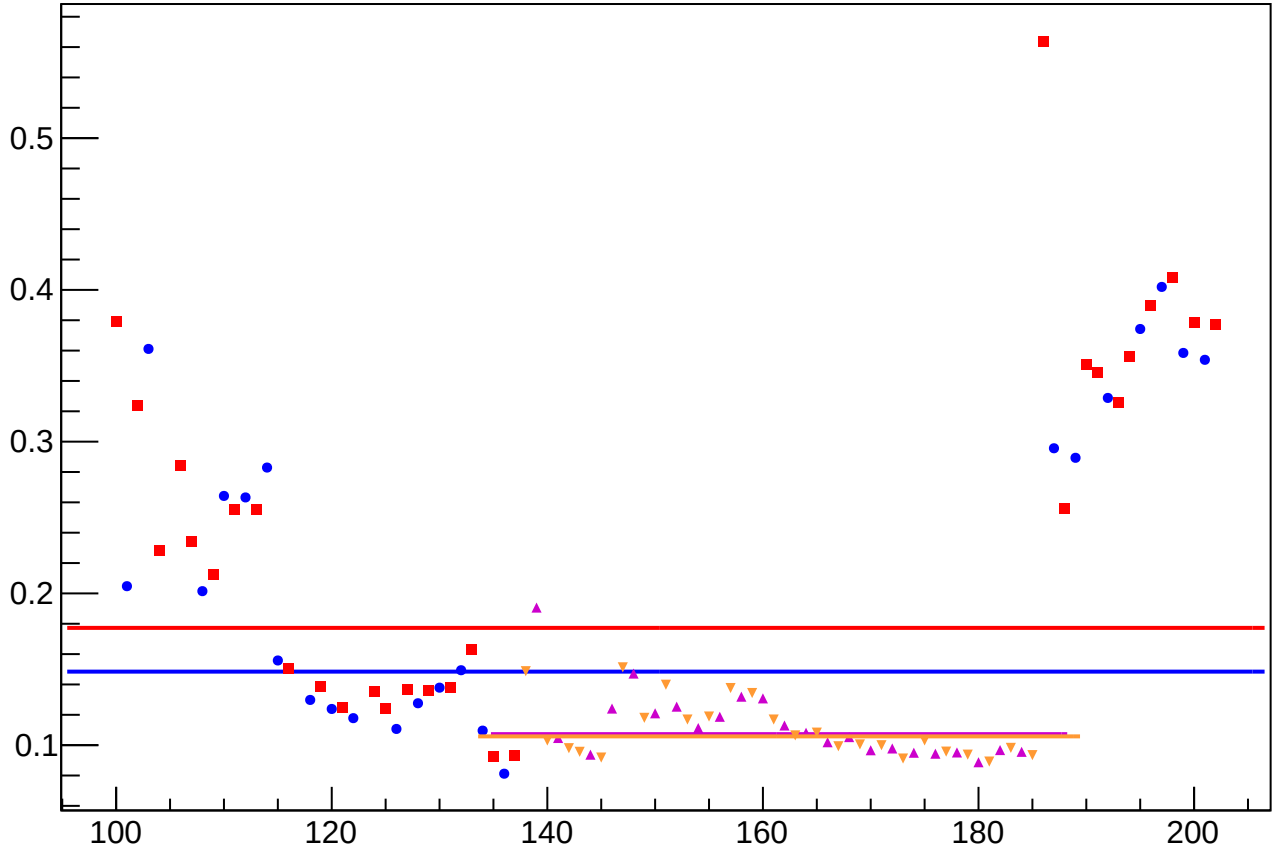
Right: 22.865+/-0.000 χ^2/NDF: 2860383269.1/51

In: 25.843+/-0.000 χ^2/NDF:8383841564.6/45

Out: 25.807+/-0.000 χ^2/NDF:9210353397.8/53

All: 25.824+/-0.000 χ^2/NDF: 17595353660.9

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.148+/-0.000 χ^2/NDF: 5449243.0/22

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.177+/-0.000 χ^2/NDF: 5807153.9/28

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

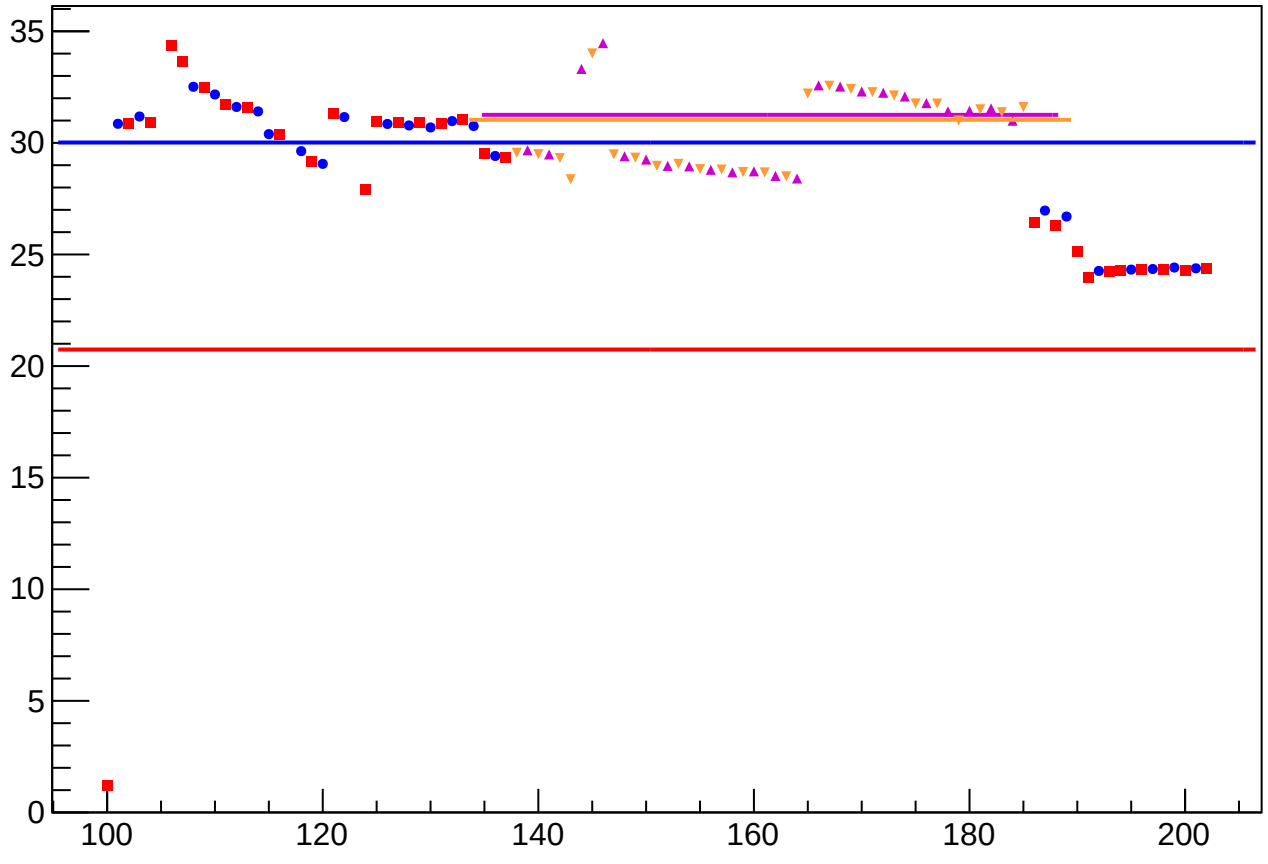
Right: 0.162+/-0.000 χ^2/NDF: 11554640.3/51

In: 0.116+/-0.000 χ^2/NDF:7326687.7/45

Out: 0.119+/-0.000 χ^2/NDF:9366834.4/53

All: 0.118+/-0.000 χ^2/NDF: 16706124.2/99

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.016+/-0.000 χ^2/NDF: 3223494948.6/22

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.741+/-0.000 χ^2/NDF: 224107841714.2/28

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

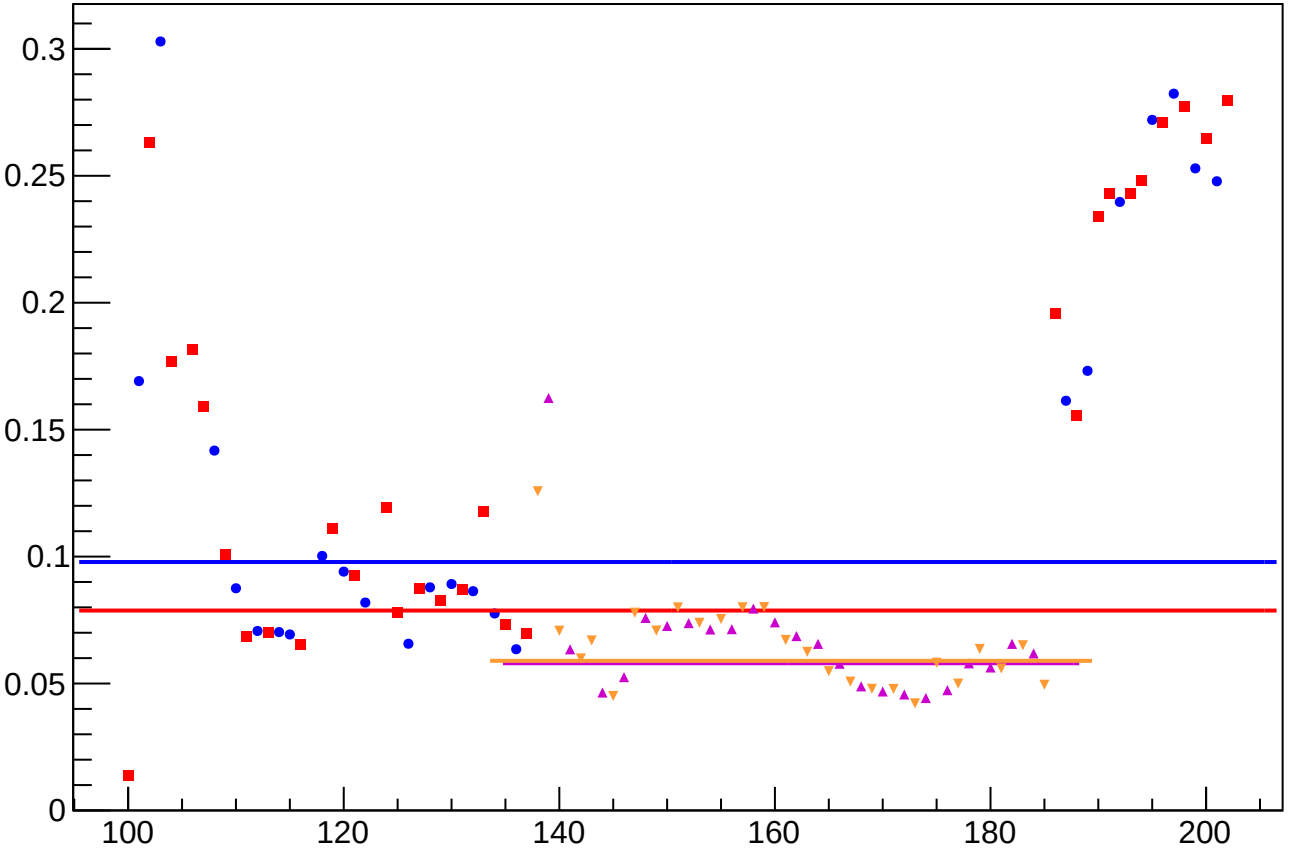
Right: 24.582+/-0.000 χ^2/NDF: 270731756336.6/51

In: 31.042+/-0.000 χ^2/NDF:16908259292.6/45

Out: 28.755+/-0.000 χ^2/NDF:336511790368.7/53

All: 29.842+/-0.000 χ^2/NDF: 367092559213.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.098+/-0.000 χ^2/NDF: 5152809.4/22

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.079+/-0.000 χ^2/NDF: 10853390.7/28

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

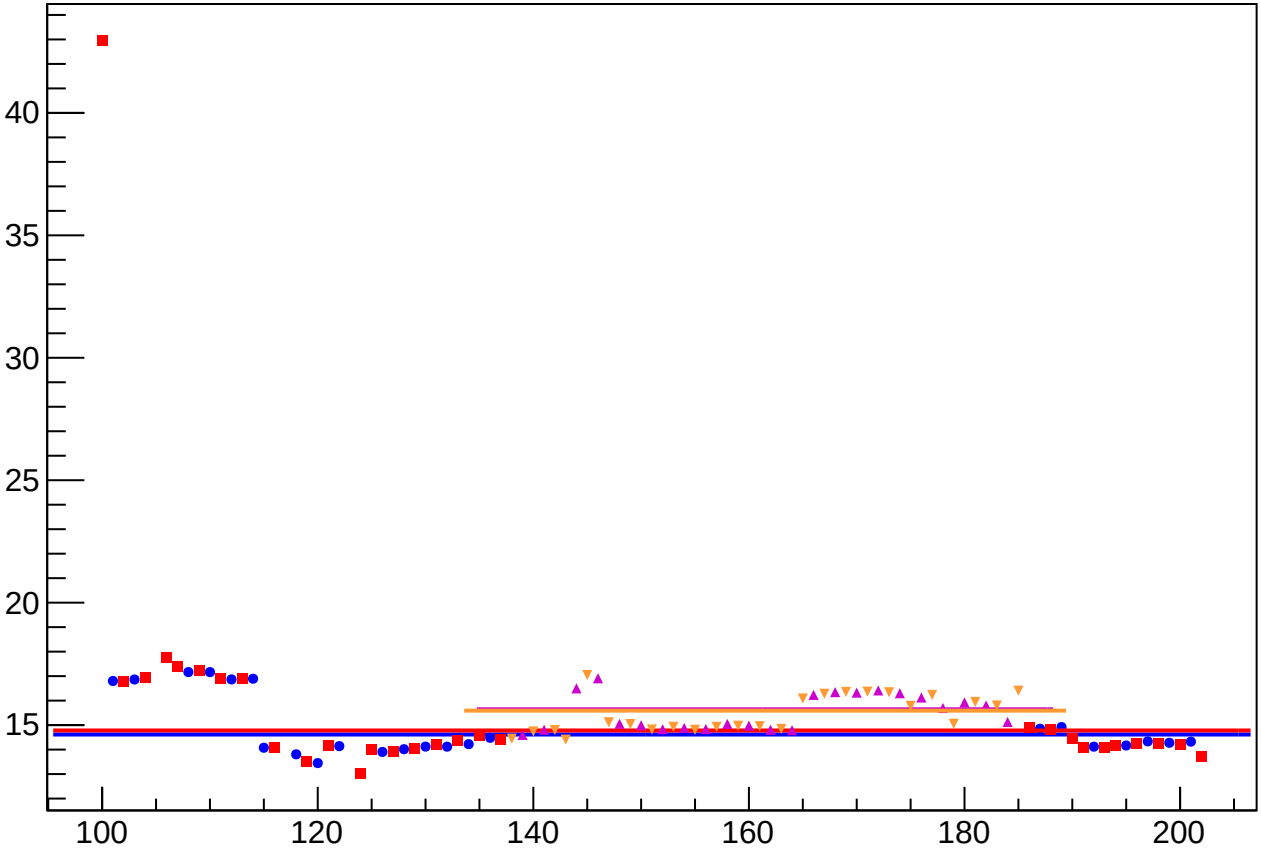
Right: 0.087+/-0.000 χ^2/NDF: 16374938.6/51

In: 0.065+/-0.000 χ^2/NDF:9134906.5/45

Out: 0.063+/-0.000 χ^2/NDF:13133597.8/53

All: 0.064+/-0.000 χ^2/NDF: 22280934.6/99

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.616+/-0.000 χ^2/NDF: 1209392795.0/22

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.781+/-0.000 χ^2/NDF: 1788672837.6/28

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

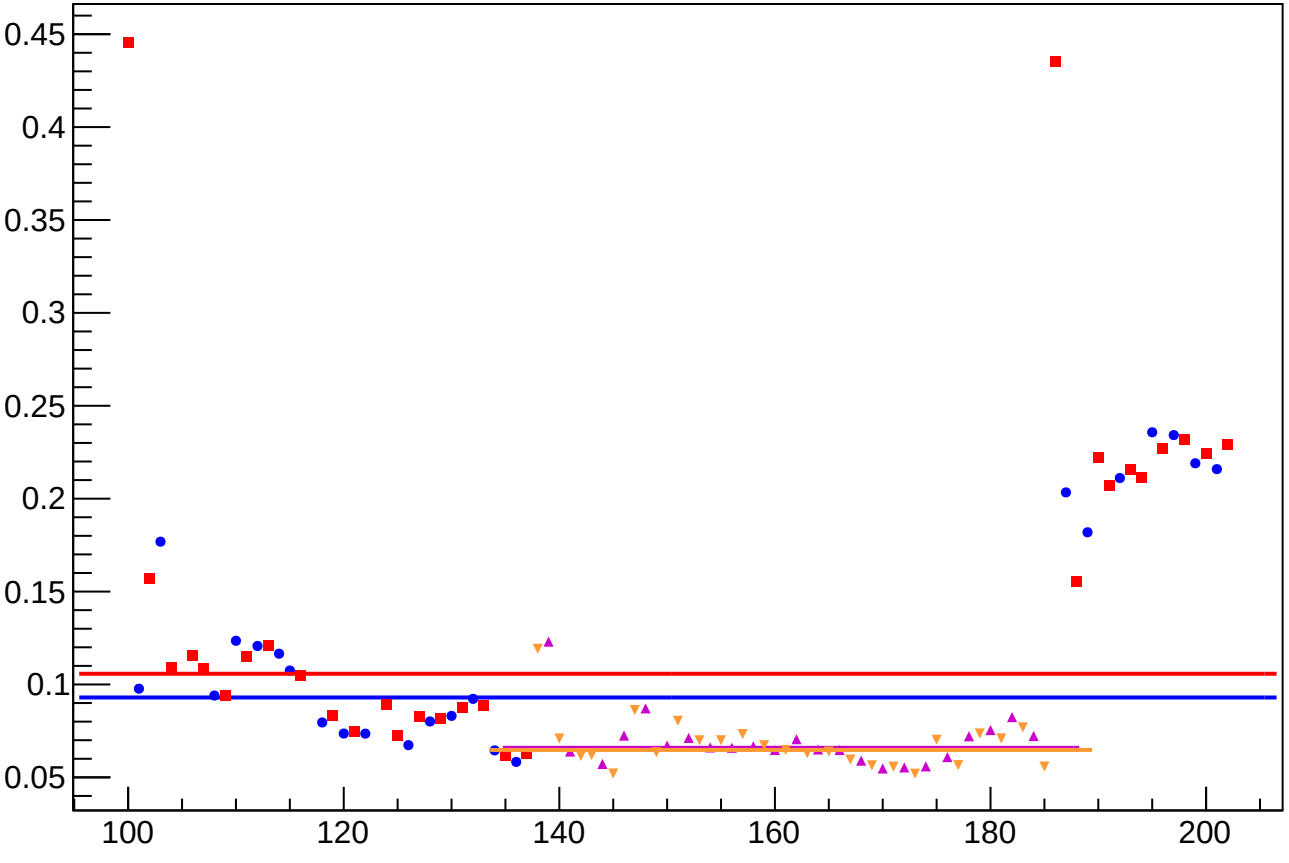
Right: 14.695+/-0.000 χ^2/NDF: 3011791731.8/51

In: 15.412+/-0.000 χ^2/NDF:3924209539.1/45

Out: 15.429+/-0.000 χ^2/NDF:4558441994.1/53

All: 15.421+/-0.000 χ^2/NDF: 8483356749.7/9

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.093+/-0.000 χ^2/NDF: 4524902.0/22

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.106+/-0.000 χ^2/NDF: 5111606.7/28

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

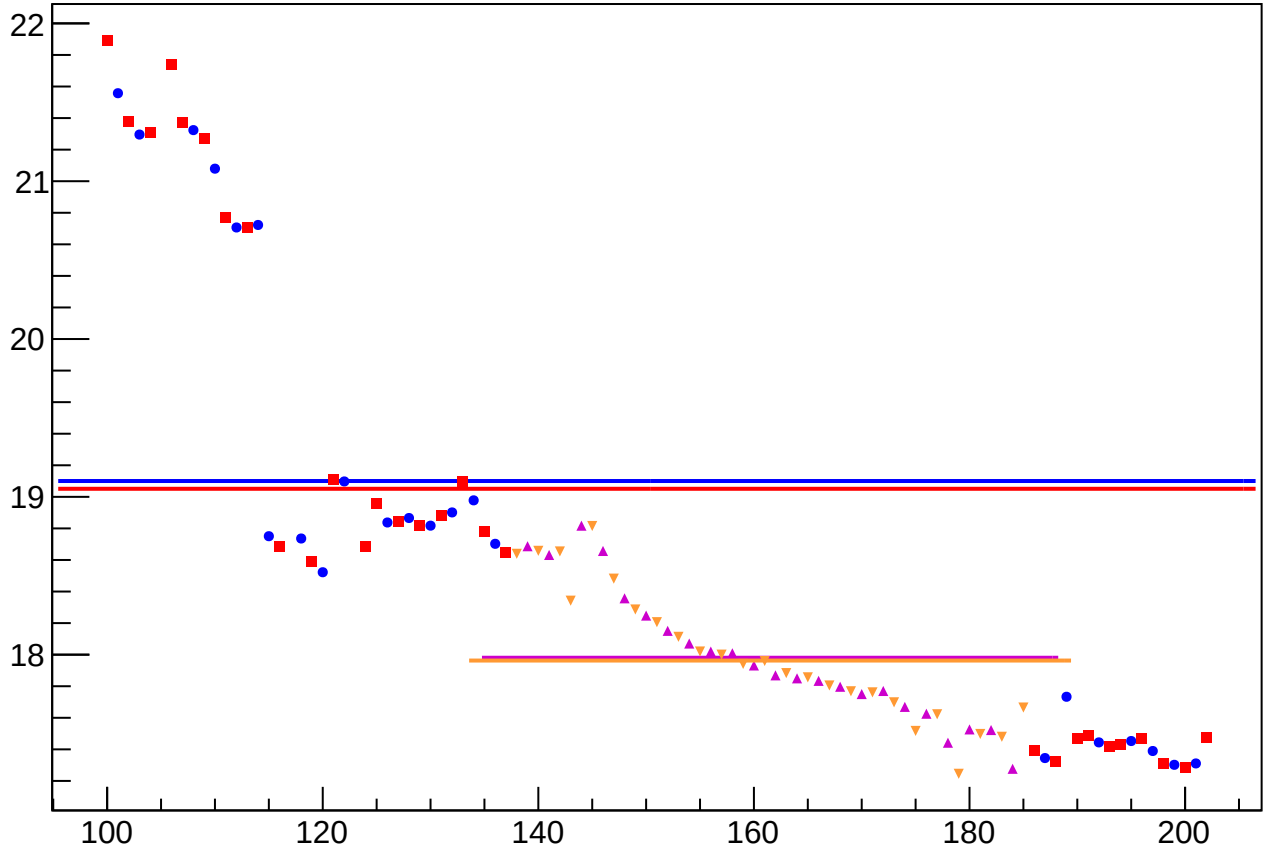
Right: 0.099+/-0.000 χ^2/NDF: 9800856.6/51

In: 0.072+/-0.000 χ^2/NDF:6501154.8/45

Out: 0.073+/-0.000 χ^2/NDF:8590416.5/53

All: 0.072+/-0.000 χ^2/NDF: 15095597.2/99

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.100+/-0.000 χ^2/NDF: 26125345141.6/22

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.051+/-0.000 χ^2/NDF: 30763349205.4/28

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

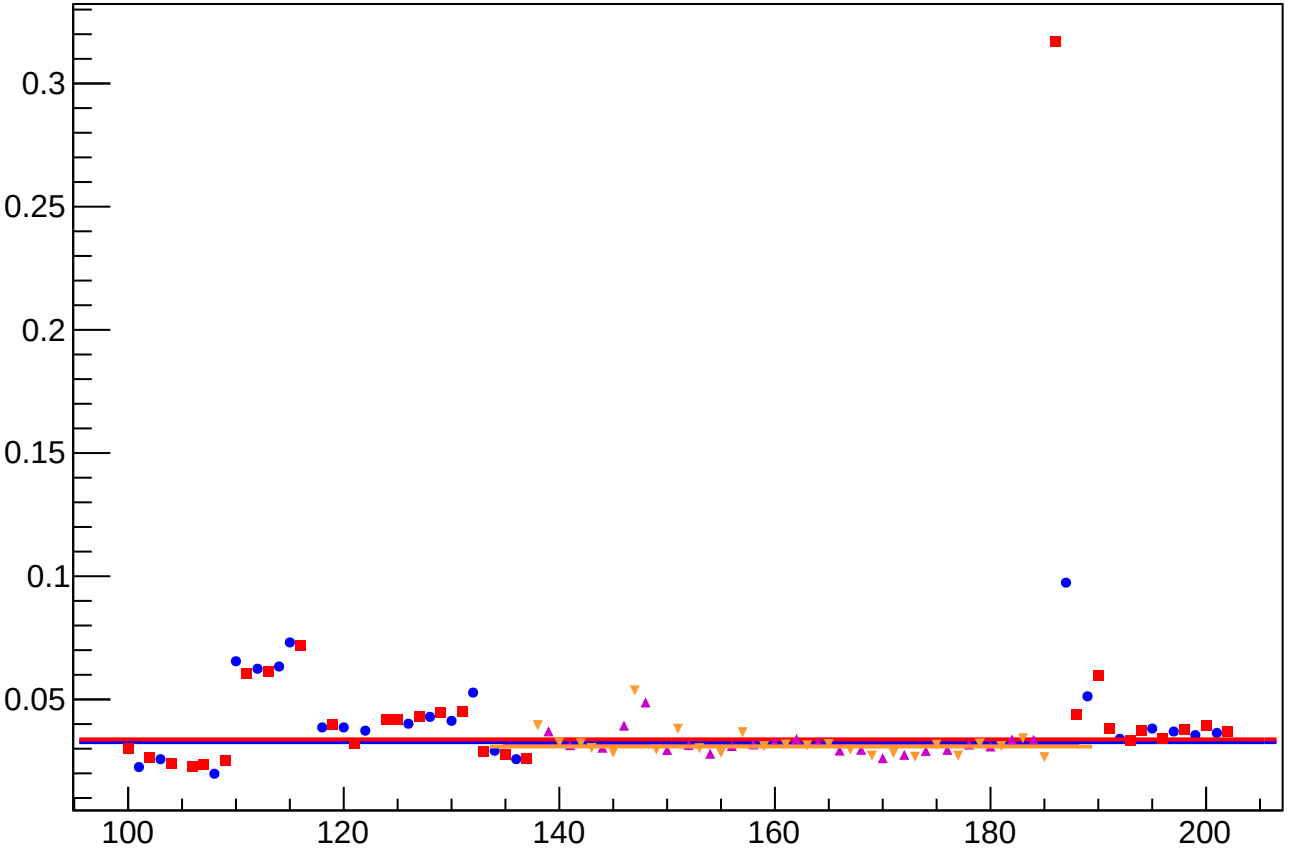
Right: 19.075+/-0.000 χ^2/NDF: 56901340649.0/51

In: 18.381+/-0.000 χ^2/NDF:36856612827.6/45

Out: 18.358+/-0.000 χ^2/NDF:42063750286.8/53

All: 18.369+/-0.000 χ^2/NDF: 78927666032.9

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 1894886.7/22

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2234670.7/28

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

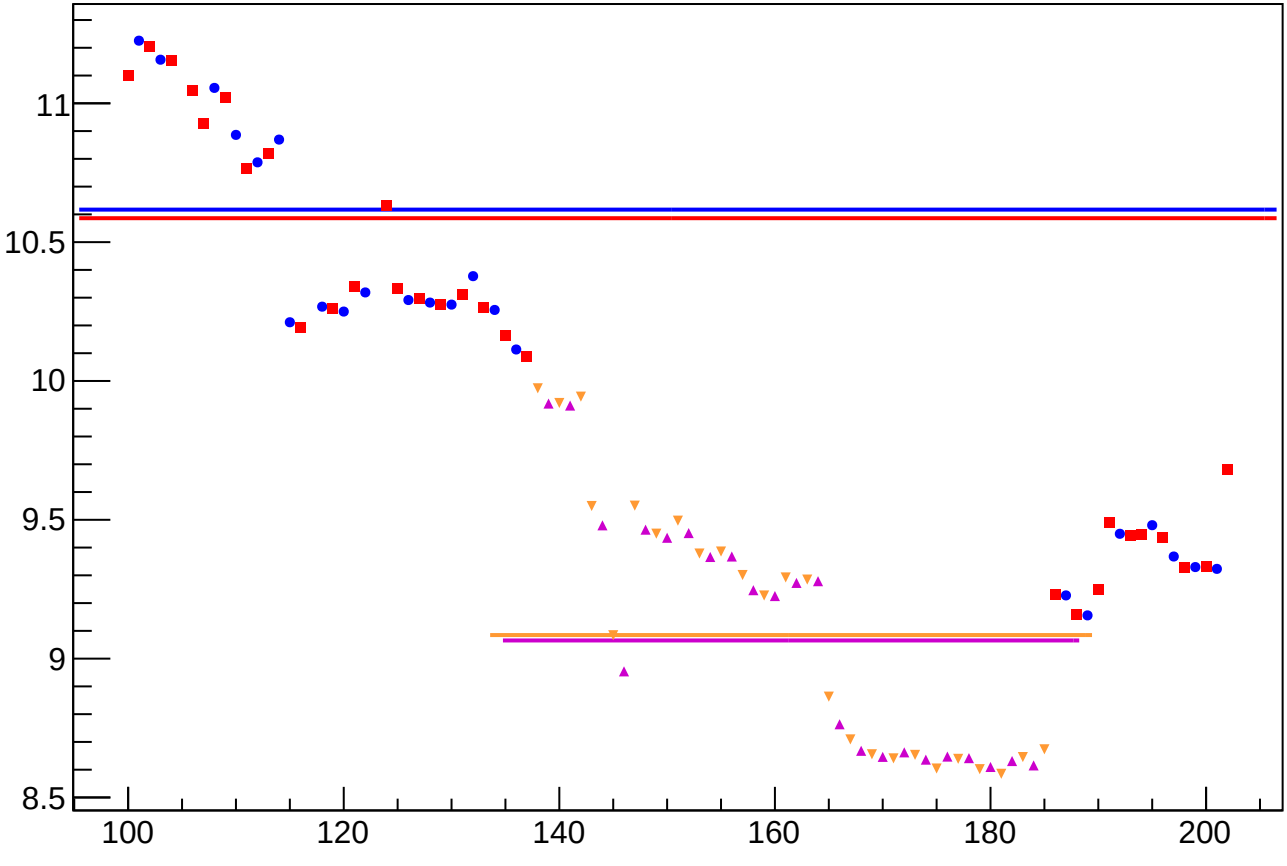
Right: 0.033+/-0.000 χ^2/NDF: 4142280.5/51

In: 0.032+/-0.000 χ^2/NDF:2408121.2/45

Out: 0.032+/-0.000 χ^2/NDF:2984834.7/53

All: 0.032+/-0.000 χ^2/NDF: 5394817.1/99

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.617+/-0.000 χ^2/NDF: 10325496977.4/22

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.586+/-0.000 χ^2/NDF: 10206629351.1/28

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

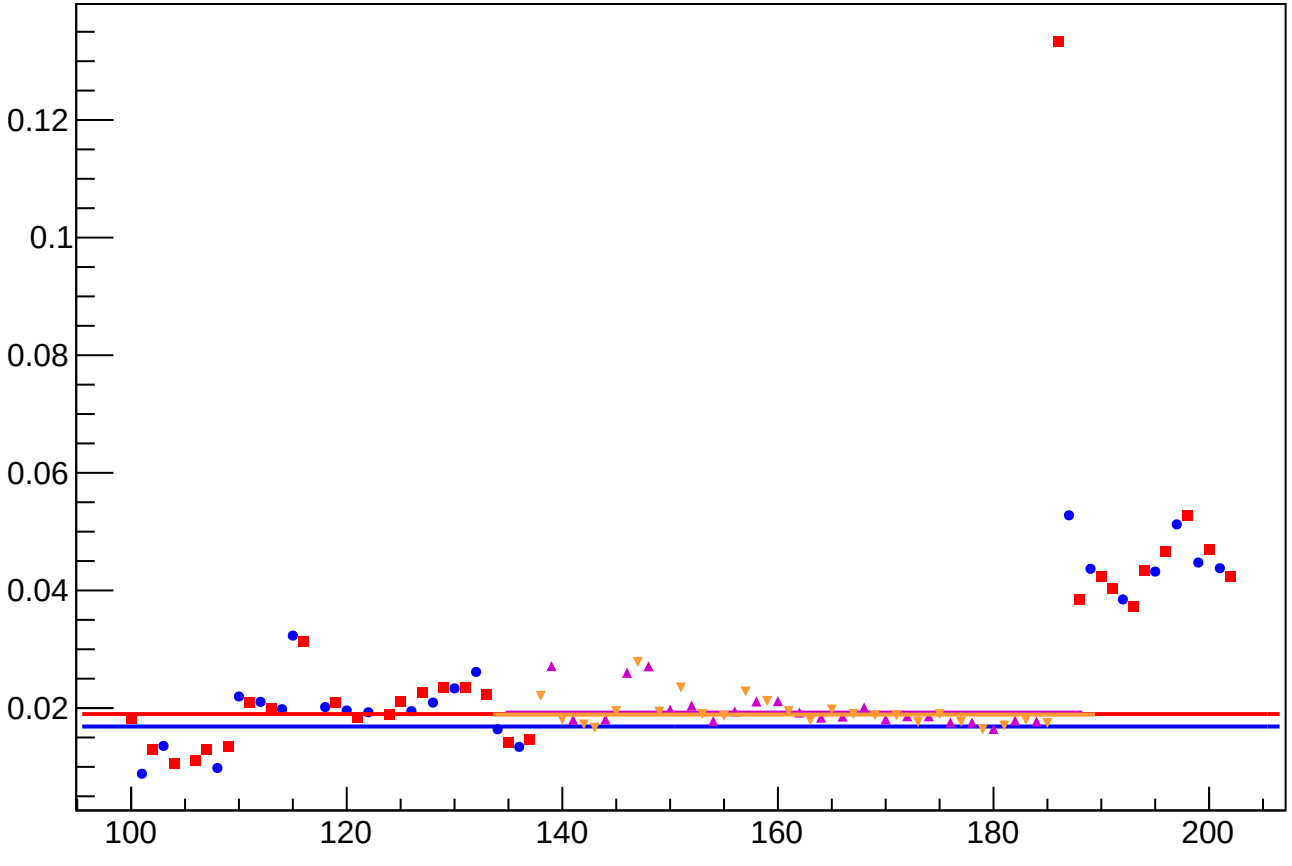
Right: 10.602+/-0.000 χ^2/NDF: 20546290323.0/51

In: 9.691+/-0.000 χ^2/NDF:61830589069.7/45

Out: 9.642+/-0.000 χ^2/NDF:61625435287.4/53

All: 9.666+/-0.000 χ^2/NDF: 123546477323.7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 5632281.6/22

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.019+/-0.000 χ^2/NDF: 6396423.9/28

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

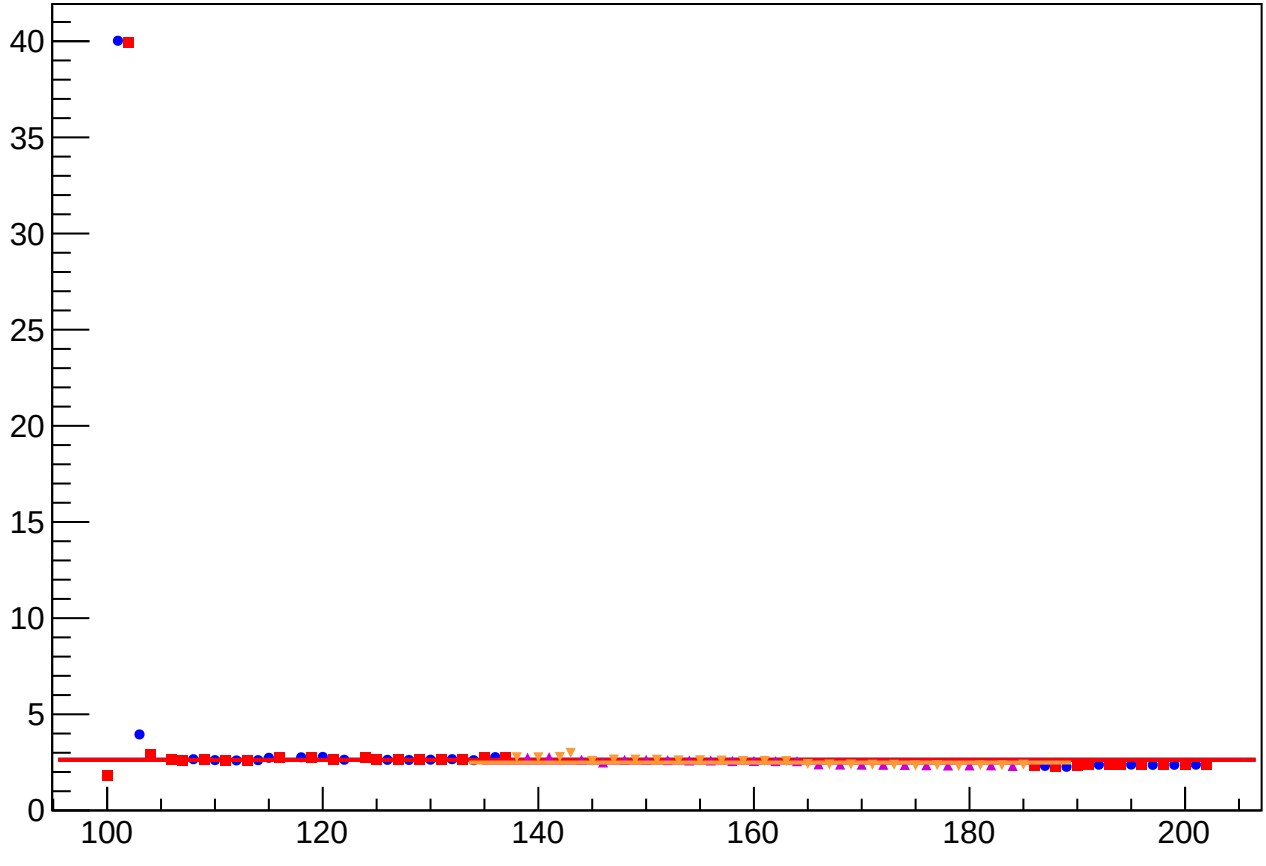
Right: 0.018+/-0.000 χ^2/NDF: 12161558.7/51

In: 0.018+/-0.000 χ^2/NDF:6375371.6/45

Out: 0.019+/-0.000 χ^2/NDF:6838061.9/53

All: 0.019+/-0.000 χ^2/NDF: 13245713.8/99

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.643+/-0.000 χ^2/NDF: 76971244078.3/22

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.627+/-0.000 χ^2/NDF: 77951783192.9/28

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

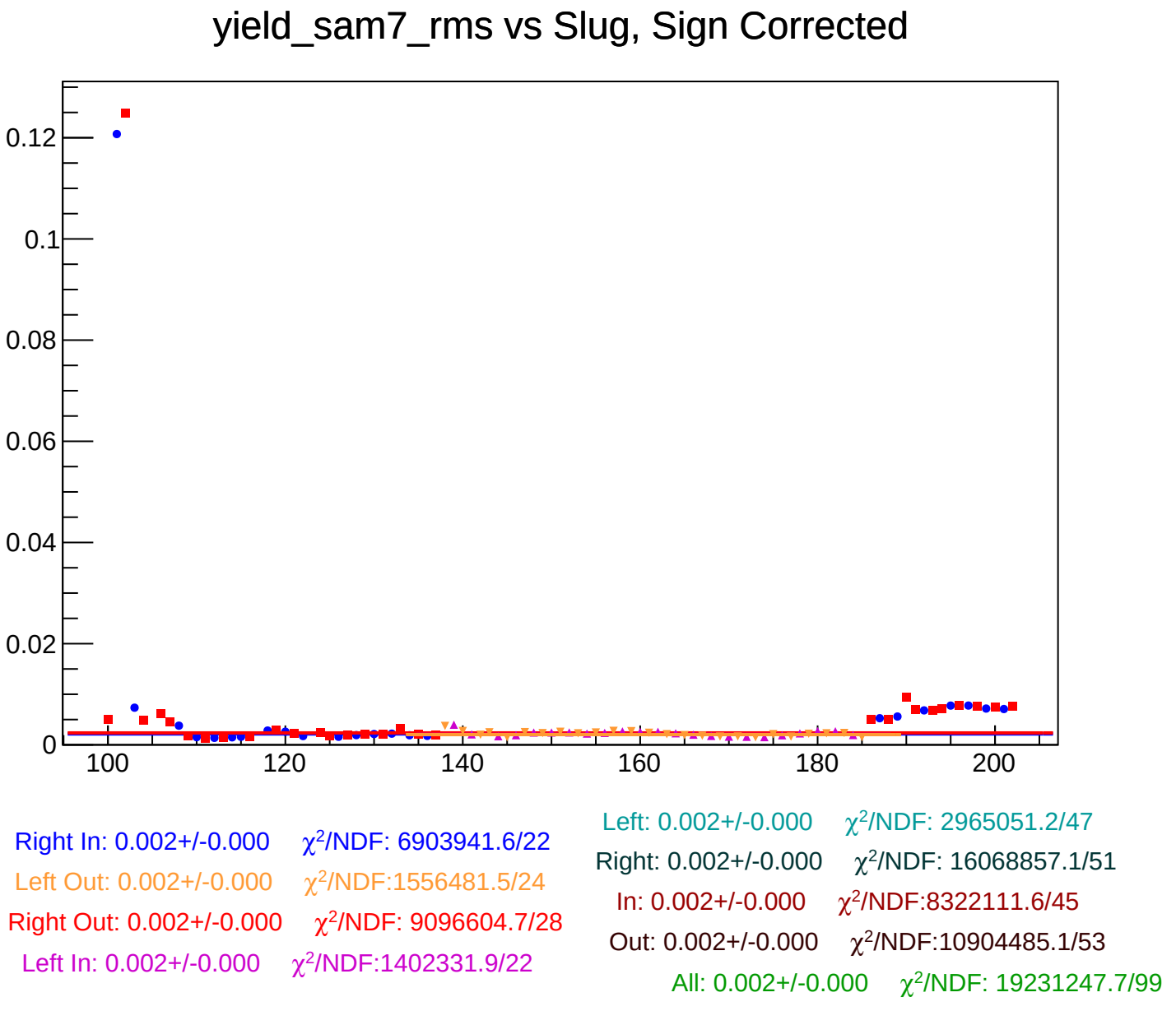
Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

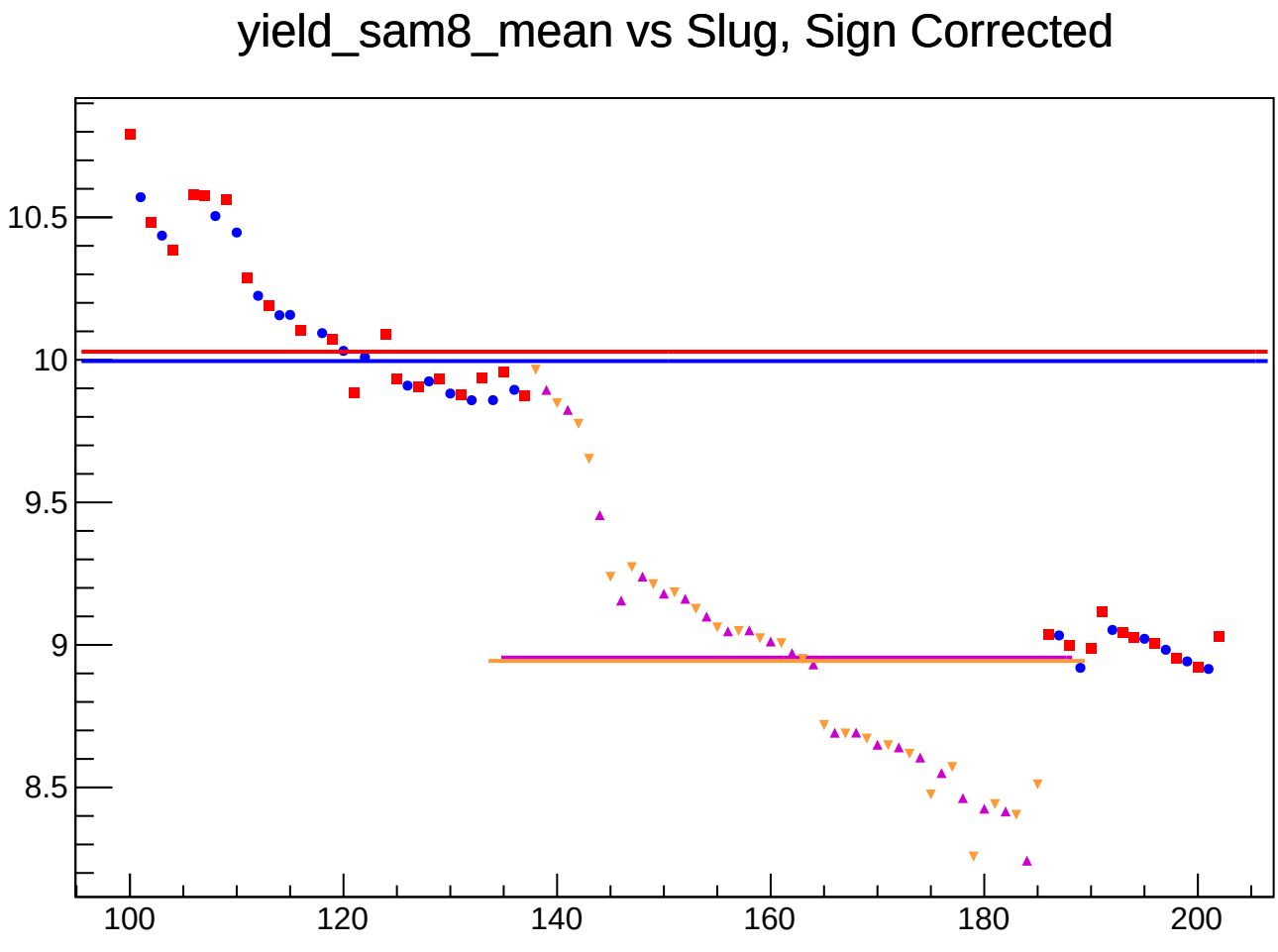
Right: 2.635+/-0.000 χ^2/NDF: 155141261219.0/51

In: 2.537+/-0.000 χ^2/NDF:163758768402.0/45

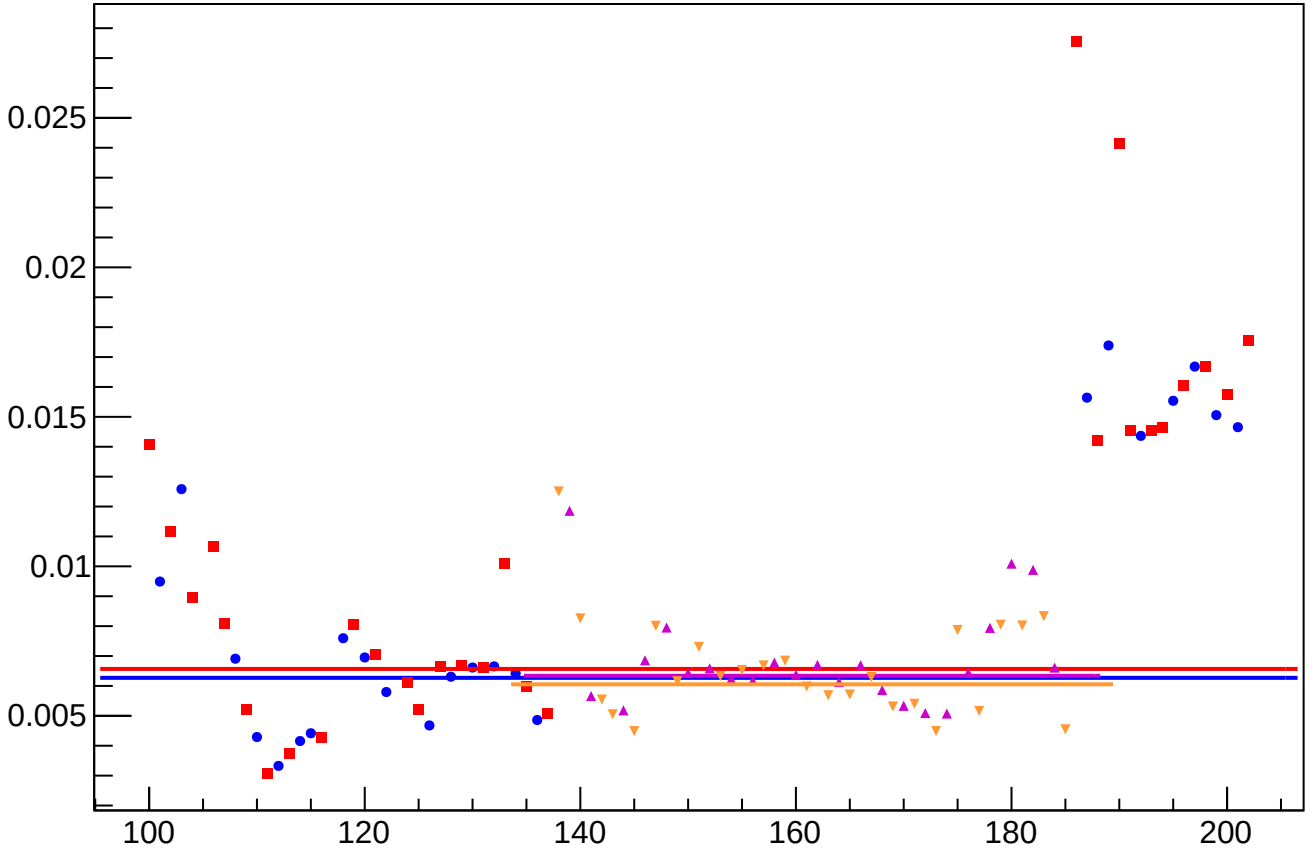
Out: 2.531+/-0.000 χ^2/NDF:190492460591.3/53

All: 2.534+/-0.000 χ^2/NDF: 354337801141.9


yield_sam7_rms vs Slug, Sign Corrected
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 6903941.6/22
Left Out: 0.002+/-0.000 χ²/NDF:1556481.5/24
Right Out: 0.002+/-0.000 χ²/NDF: 9096604.7/28
Left In: 0.002+/-0.000 χ²/NDF:1402331.9/22
Left: 0.002+/-0.000 χ²/NDF: 2965051.2/47
Right: 0.002+/-0.000 χ²/NDF: 16068857.1/51
In: 0.002+/-0.000 χ²/NDF:8322111.6/45
Out: 0.002+/-0.000 χ²/NDF:10904485.1/53
All: 0.002+/-0.000 χ²/NDF: 19231247.7/99


yield_sam8_mean vs Slug, Sign Corrected
10.5
10
9.5
9
8.5
100
120
140
160
180
200
Right In: 9.996+/-0.000 χ²/NDF: 33101145563.2/22
Left Out: 8.944+/-0.000 χ²/NDF:65887712966.5/24
Right Out: 10.029+/-0.000 χ²/NDF: 41597684347.4/28
Left In: 8.956+/-0.000 χ²/NDF:51572164470.4/22
Left: 8.949+/-0.000 χ²/NDF: 117486228855.1/47
Right: 10.013+/-0.000 χ²/NDF: 74818283468.3/51
In: 9.342+/-0.000 χ²/NDF:230375562441.5/45
Out: 9.323+/-0.000 χ²/NDF:278859299525.2/53
All: 9.332+/-0.000 χ²/NDF: 509346262392.0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 5150996.2/22

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7379633.8/28

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

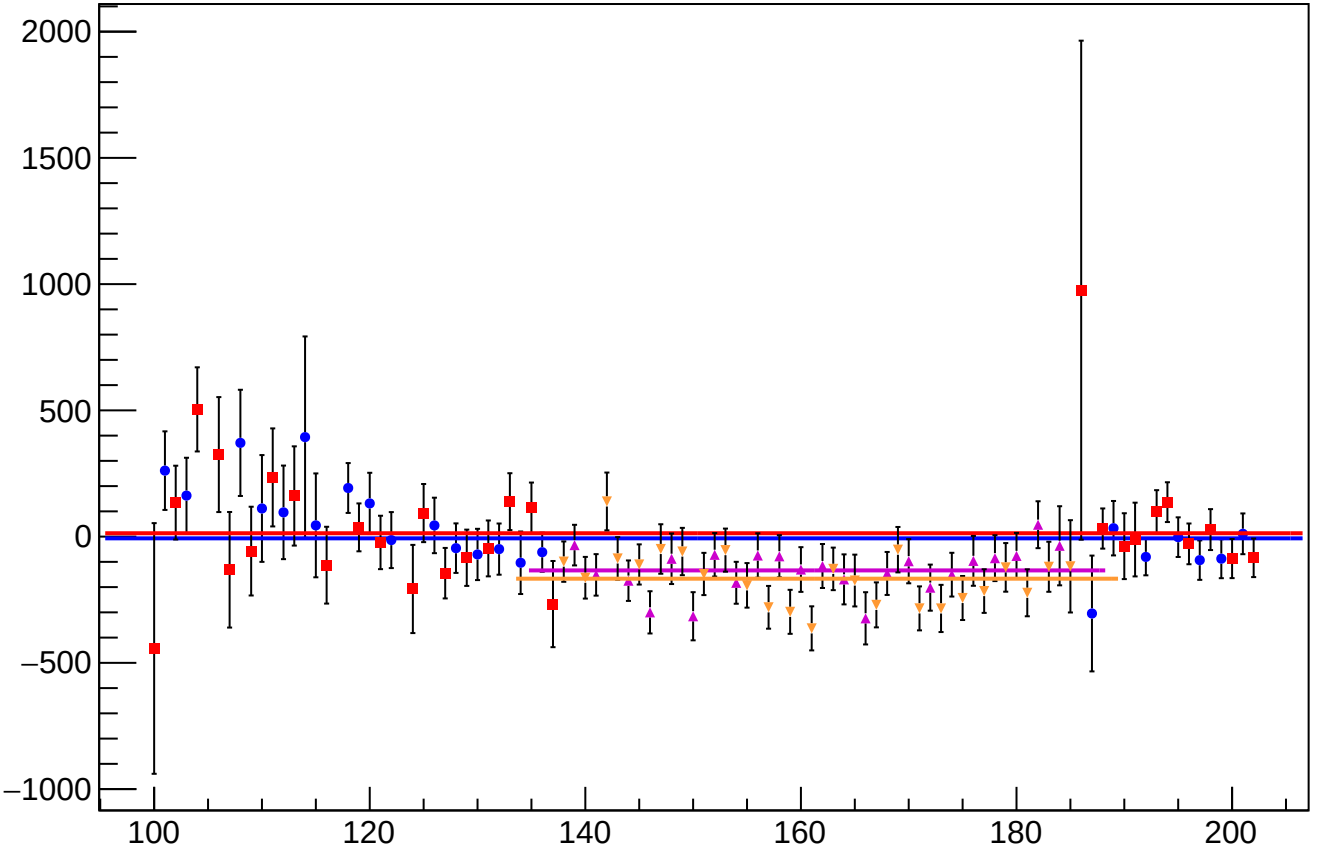
Right: 0.006+/-0.000 χ^2/NDF: 12550123.8/51

In: 0.006+/-0.000 χ^2/NDF:6327537.6/45

Out: 0.006+/-0.000 χ^2/NDF:8917970.5/53

All: 0.006+/-0.000 χ^2/NDF: 15249396.5/99

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -6.871+/-22.382 χ^2/NDF: 21.8/22

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 13.324+/-21.116 χ^2/NDF: 34.2/28

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

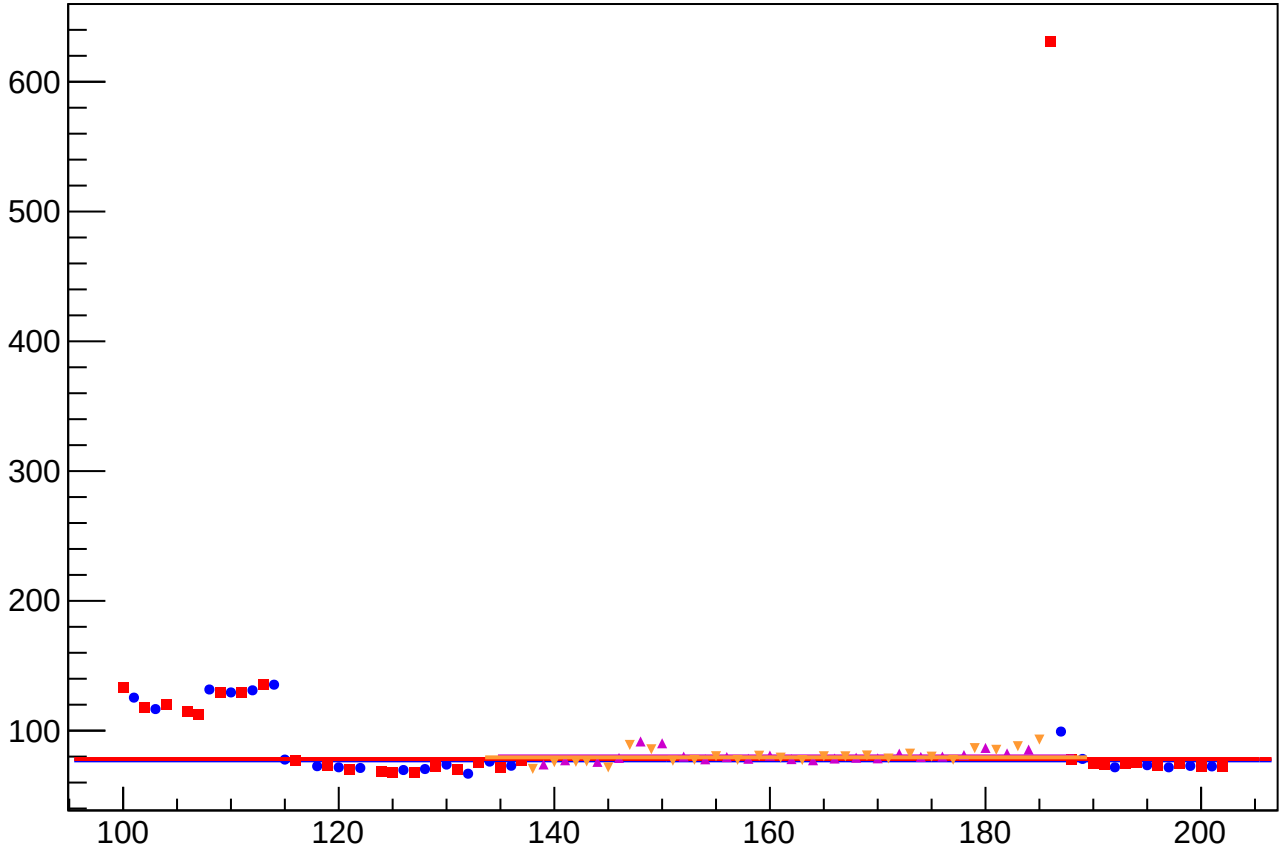
Right: 3.814+/-15.359 χ^2/NDF: 56.4/51

In: -81.464+/-14.376 χ^2/NDF:61.5/45

Out: -90.539+/-13.733 χ^2/NDF:107.7/53

All: -86.209+/-9.930 χ^2/NDF: 169.4/99

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.115+/-0.016 χ^2/NDF: 918768.3/22

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 78.145+/-0.015 χ^2/NDF: 1631741.2/28

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

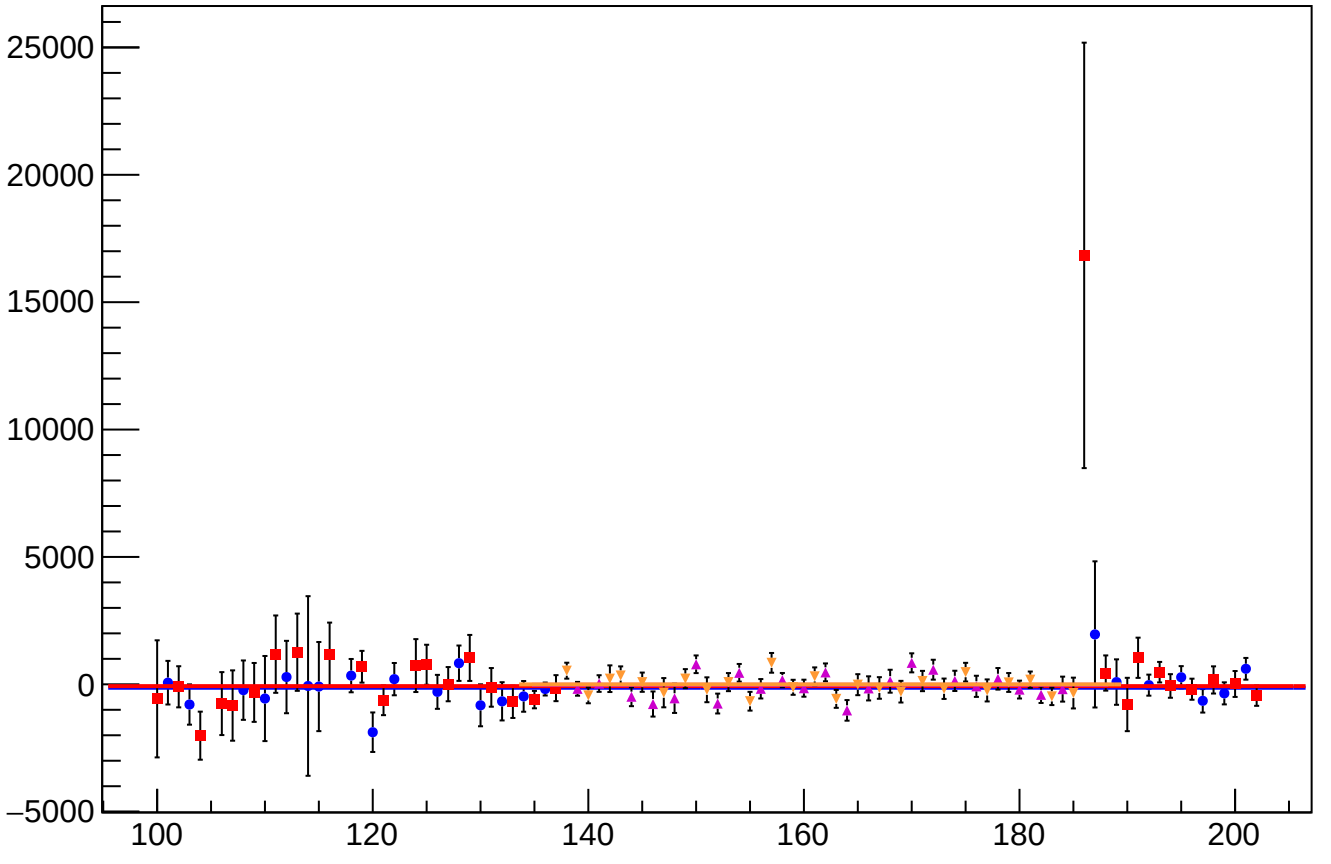
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 77.660+/-0.011 χ^2/NDF: 2552749.4/51

In: 78.904+/-0.010 χ^2/NDF:1031982.9/45

Out: 78.875+/-0.010 χ^2/NDF:1770681.7/53

All: 78.889+/-0.007 χ^2/NDF: 2802668.8/99



Right In: -134.217+/-123.737 χ^2/NDF: 16.4/22

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -71.365+/-120.022 χ^2/NDF: 26.6/28

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

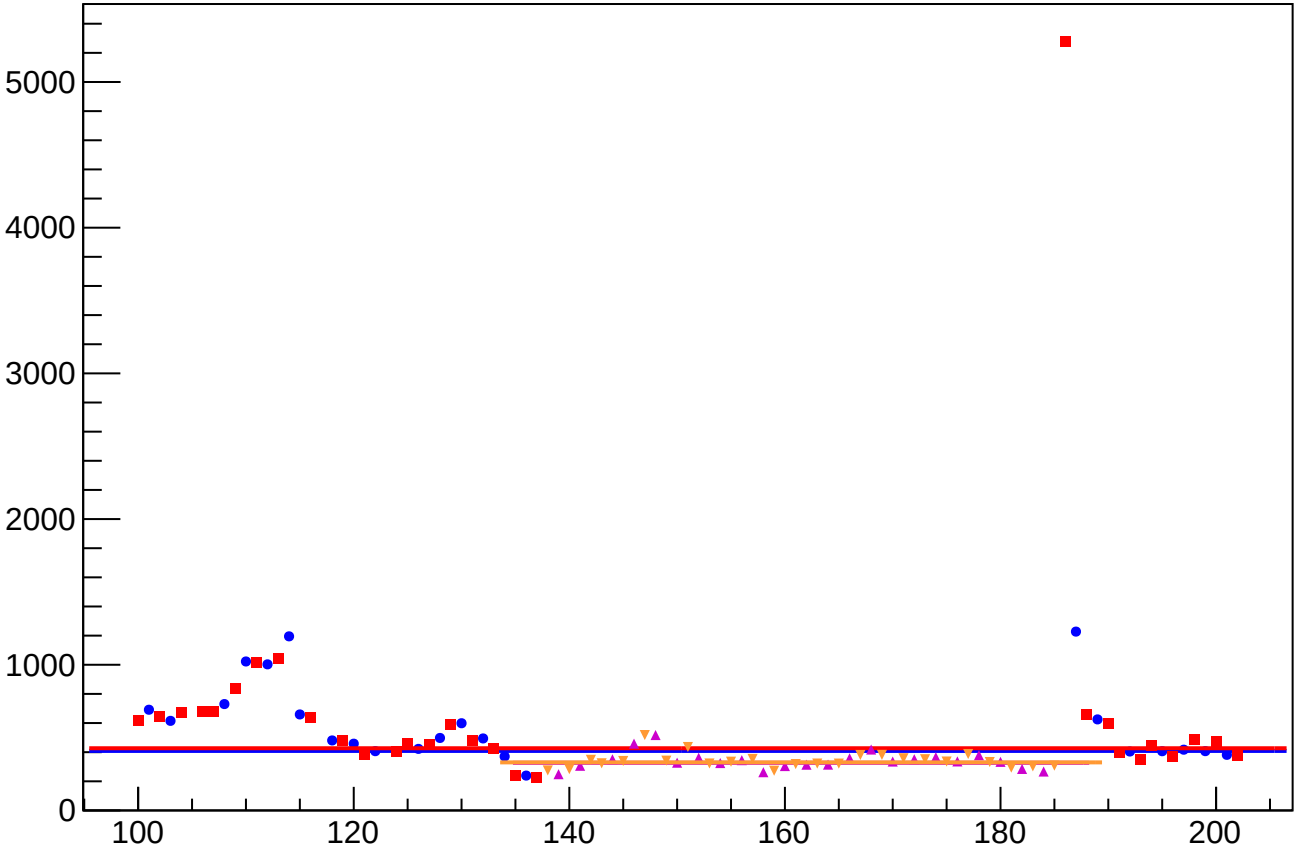
Right: -101.834+/-86.152 χ^2/NDF: 43.1/51

In: -51.702+/-65.705 χ^2/NDF:52.1/45

Out: -22.855+/-64.127 χ^2/NDF:50.9/53

All: -36.928+/-45.892 χ^2/NDF: 103.0/99

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 408.607+/-0.087 χ^2/NDF: 2652227.8/22

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 426.985+/-0.085 χ^2/NDF: 3514082.7/28

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

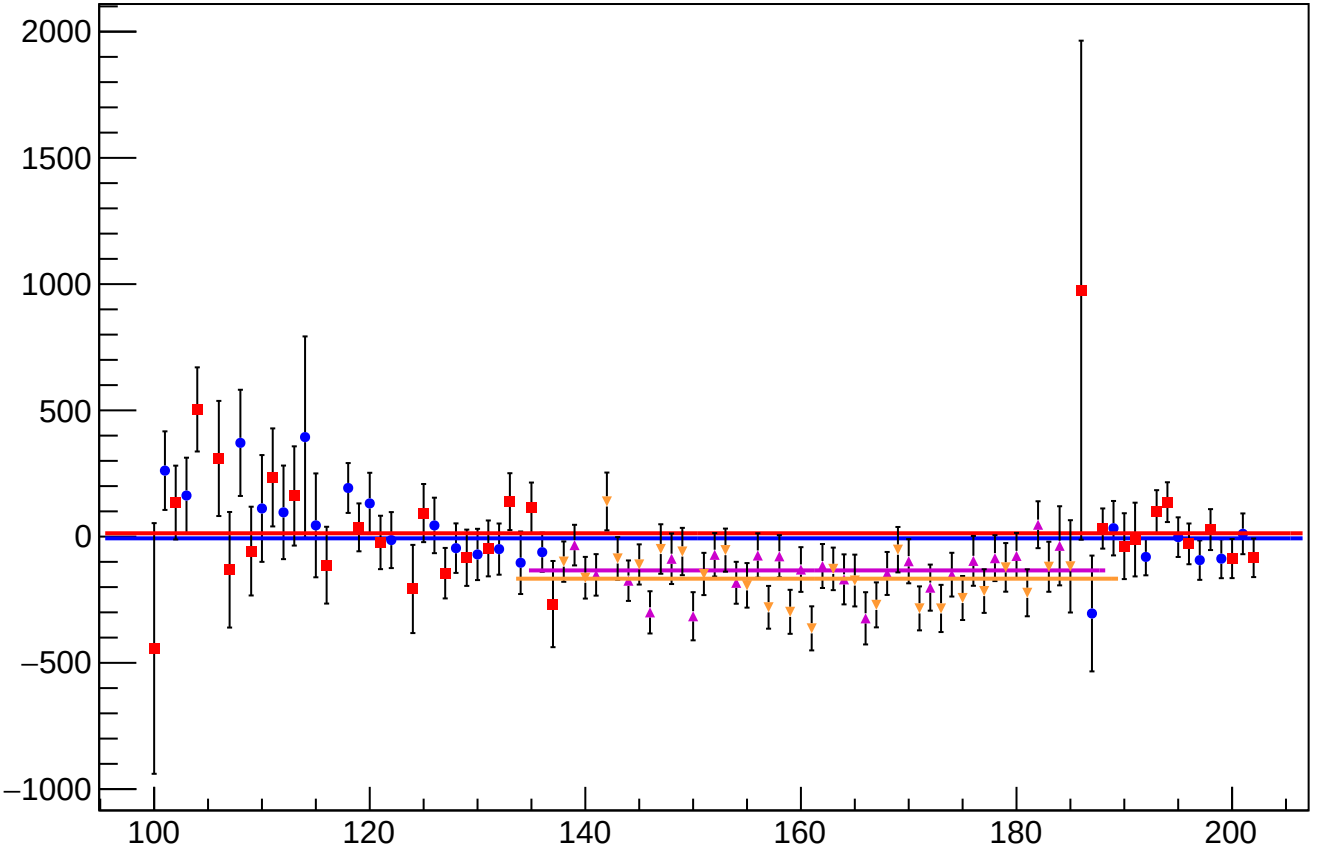
Right: 418.076+/-0.061 χ^2/NDF: 6189042.2/51

In: 349.984+/-0.046 χ^2/NDF:4176745.5/45

Out: 357.663+/-0.045 χ^2/NDF:5107054.2/53

All: 353.917+/-0.032 χ^2/NDF: 9297789.4/99

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -6.866+/-22.382 χ^2/NDF: 21.8/22

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 13.186+/-21.116 χ^2/NDF: 34.0/28

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

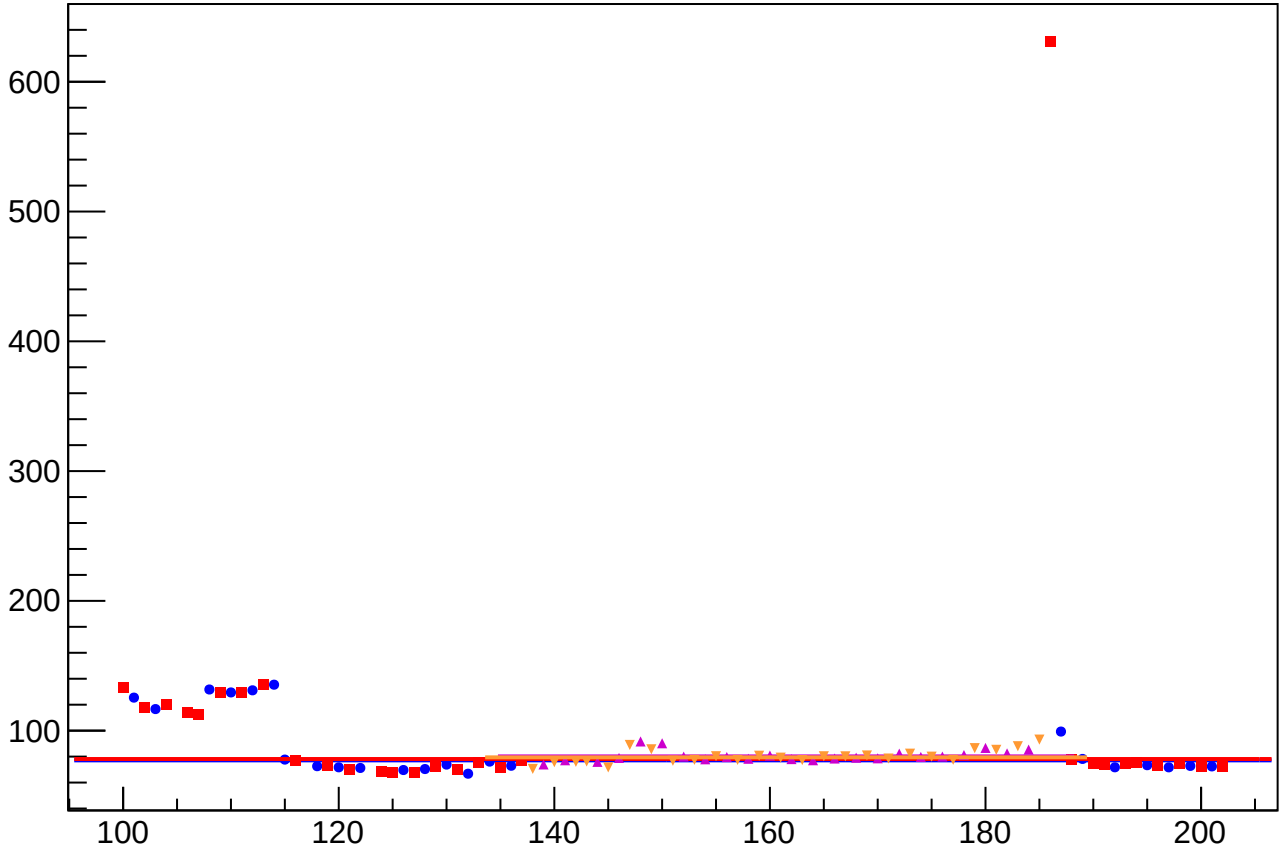
Right: 3.743+/-15.359 χ^2/NDF: 56.2/51

In: -81.466+/-14.376 χ^2/NDF:61.5/45

Out: -90.598+/-13.733 χ^2/NDF:107.5/53

All: -86.241+/-9.930 χ^2/NDF: 169.2/99

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.115+/-0.016 χ^2/NDF: 918768.5/22

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 78.138+/-0.015 χ^2/NDF: 1629628.5/28

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

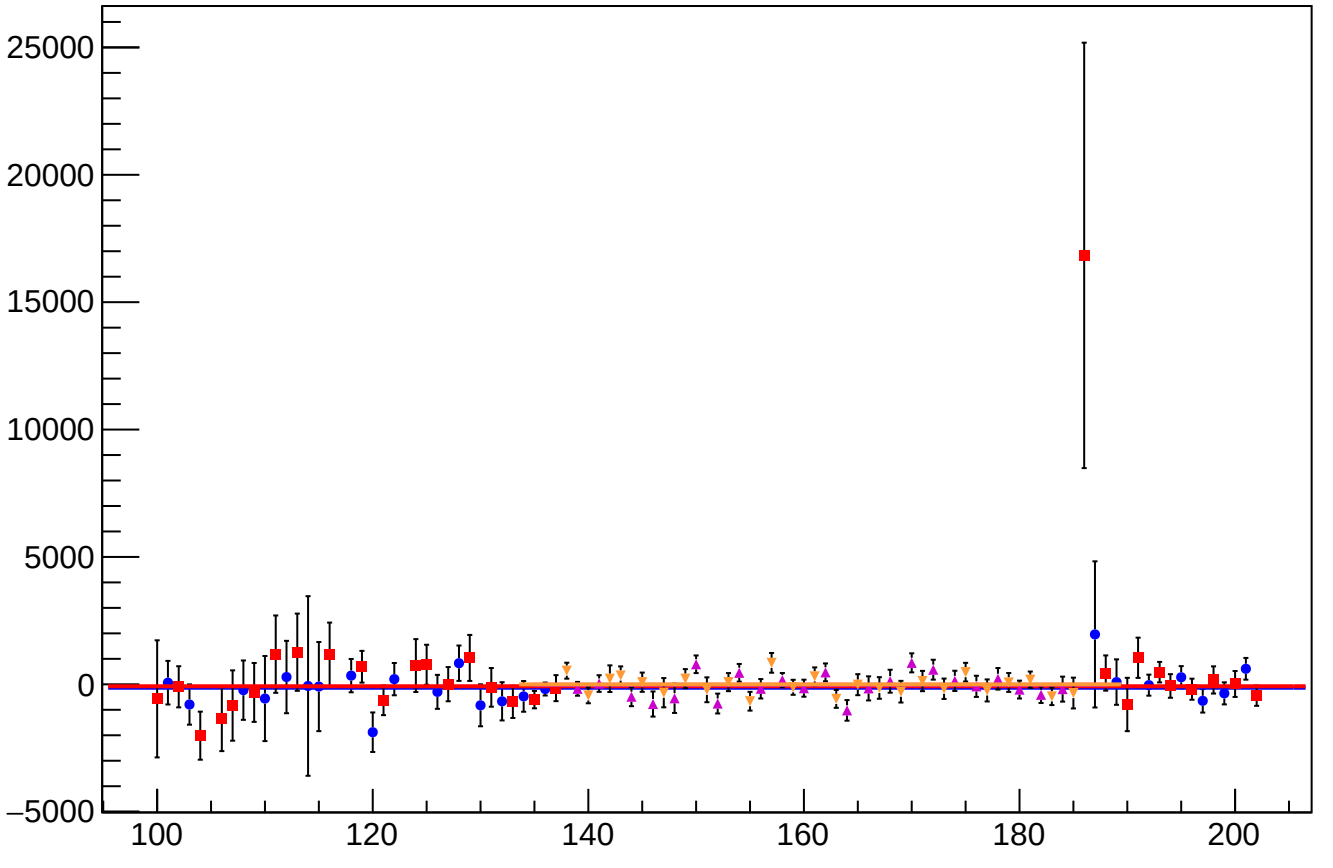
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 77.656+/-0.011 χ^2/NDF: 2550606.3/51

In: 78.904+/-0.010 χ^2/NDF:1031983.1/45

Out: 78.872+/-0.010 χ^2/NDF:1768615.3/53

All: 78.887+/-0.007 χ^2/NDF: 2800603.5/99



Right In: -134.216+/-123.737 χ^2/NDF: 16.4/22

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -76.235+/-120.057 χ^2/NDF: 27.3/28

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

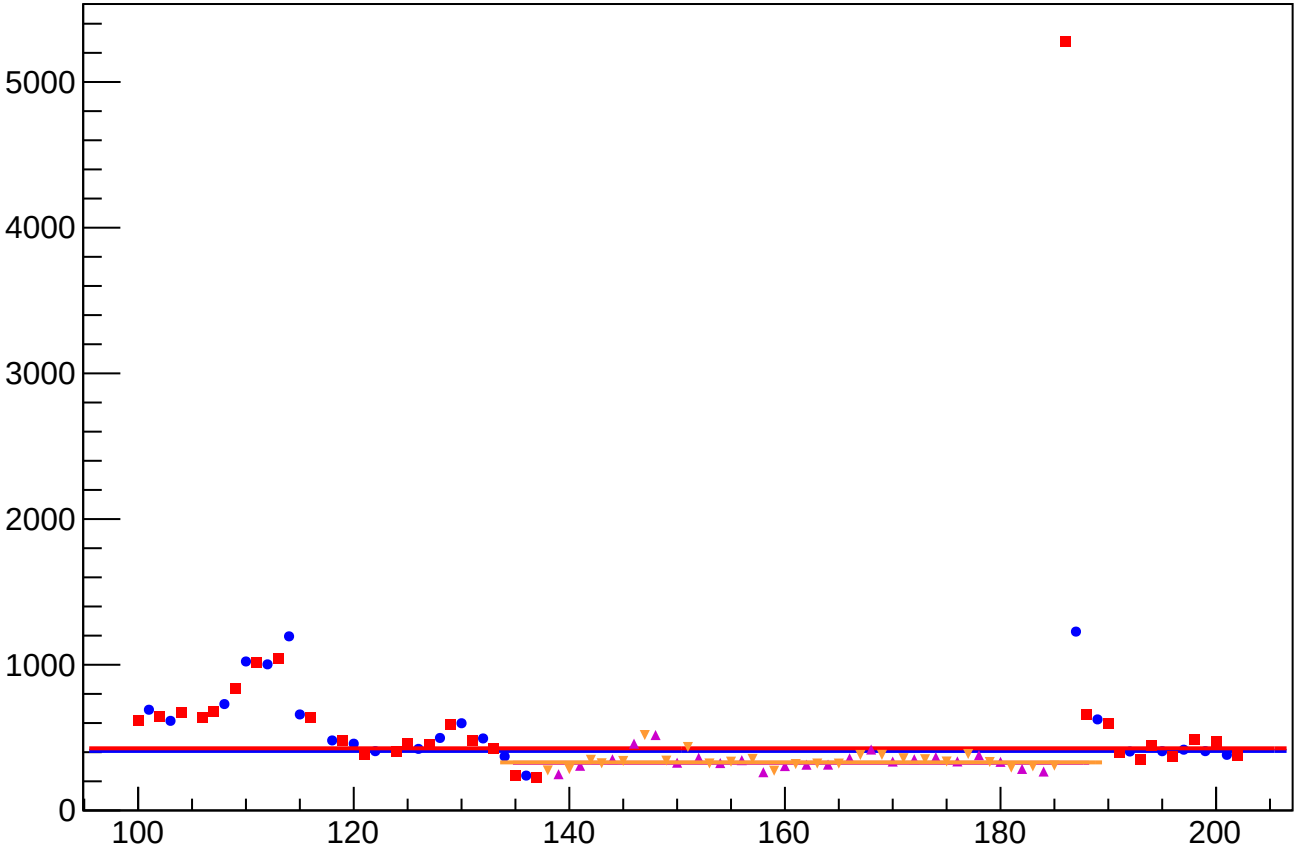
Right: -104.350+/-86.165 χ^2/NDF: 43.8/51

In: -51.706+/-65.705 χ^2/NDF:52.1/45

Out: -24.236+/-64.132 χ^2/NDF:51.6/53

All: -37.638+/-45.894 χ^2/NDF: 103.7/99

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 408.607+/-0.087 χ^2/NDF: 2652222.3/22

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 426.493+/-0.085 χ^2/NDF: 3486488.7/28

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

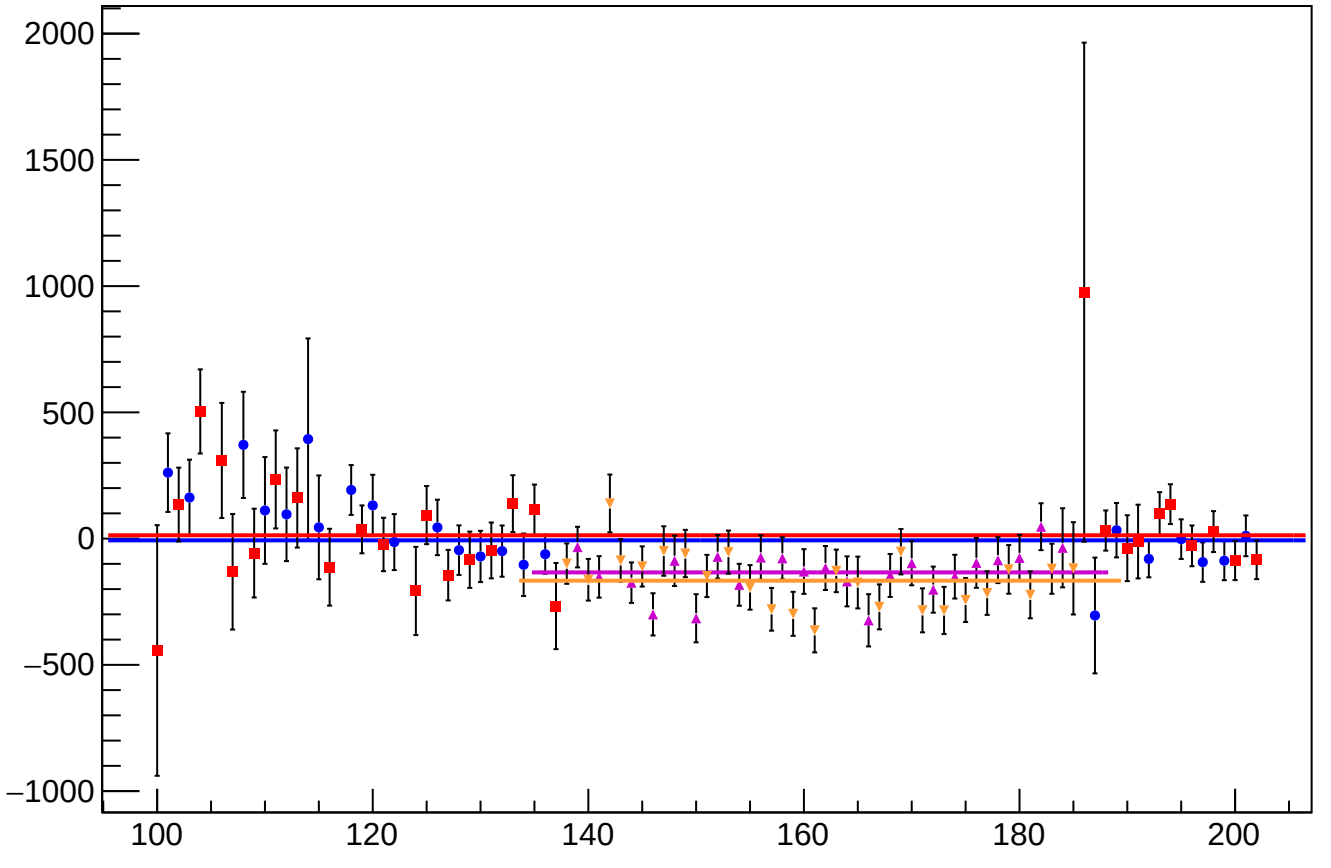
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 417.820+/-0.061 χ^2/NDF: 6160237.1/51

In: 349.984+/-0.046 χ^2/NDF:4176746.0/45

Out: 357.511+/-0.045 χ^2/NDF:5069661.5/53

All: 353.839+/-0.032 χ^2/NDF: 9259849.3/99



Right In: -6.866+/-22.382 χ^2/NDF: 21.8/22

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 13.186+/-21.116 χ^2/NDF: 34.0/28

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

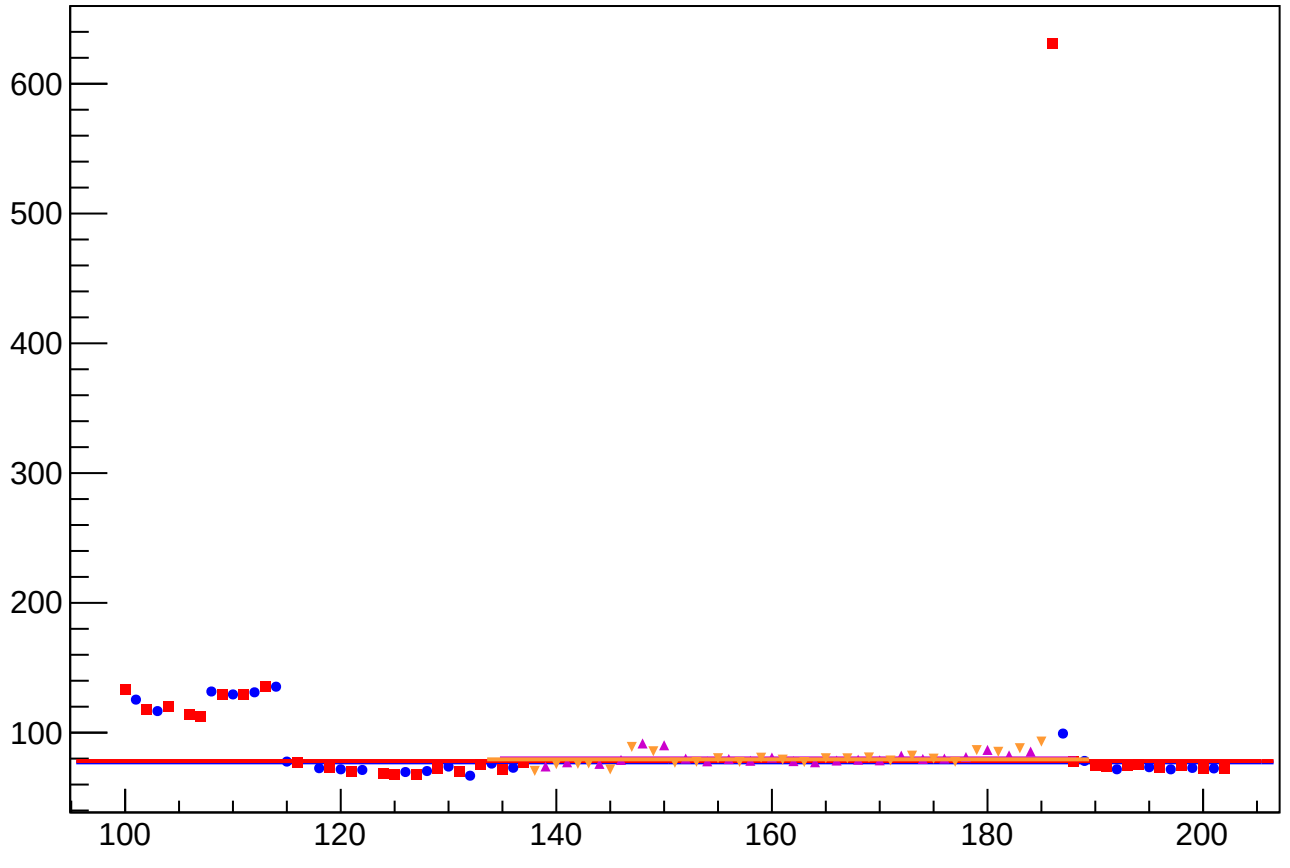
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: 3.743+/-15.359 χ^2/NDF: 56.2/51

In: -81.466+/-14.376 χ^2/NDF:61.5/45

Out: -90.598+/-13.733 χ^2/NDF:107.5/53

All: -86.241+/-9.930 χ^2/NDF: 169.2/99



Right In: 77.115+/-0.016 χ^2/NDF: 918768.5/22

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 78.138+/-0.015 χ^2/NDF: 1629628.5/28

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

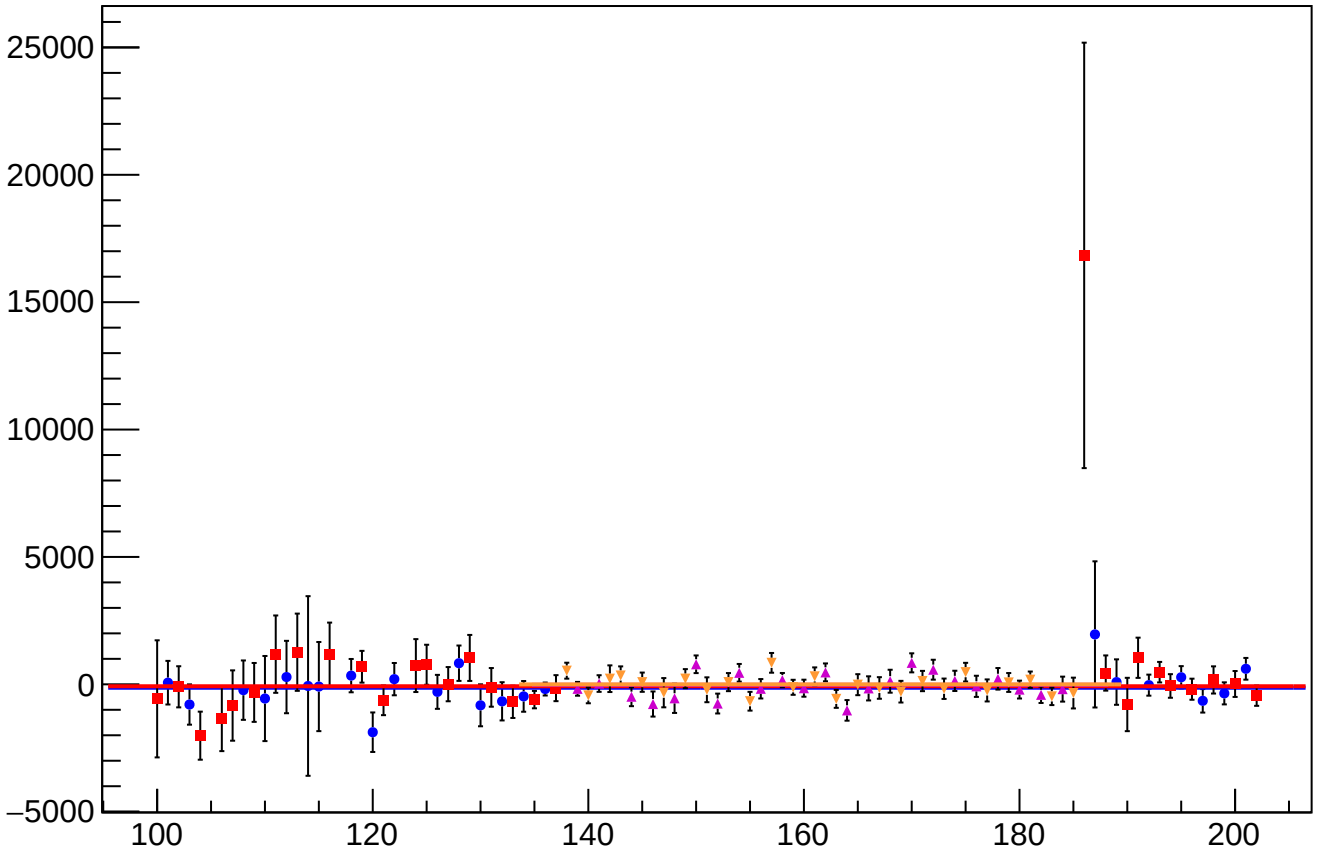
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 77.656+/-0.011 χ^2/NDF: 2550606.3/51

In: 78.904+/-0.010 χ^2/NDF:1031983.1/45

Out: 78.872+/-0.010 χ^2/NDF:1768615.3/53

All: 78.887+/-0.007 χ^2/NDF: 2800603.5/99



Right In: -134.216+/-123.737 χ^2/NDF: 16.4/22

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -76.235+/-120.057 χ^2/NDF: 27.3/28

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

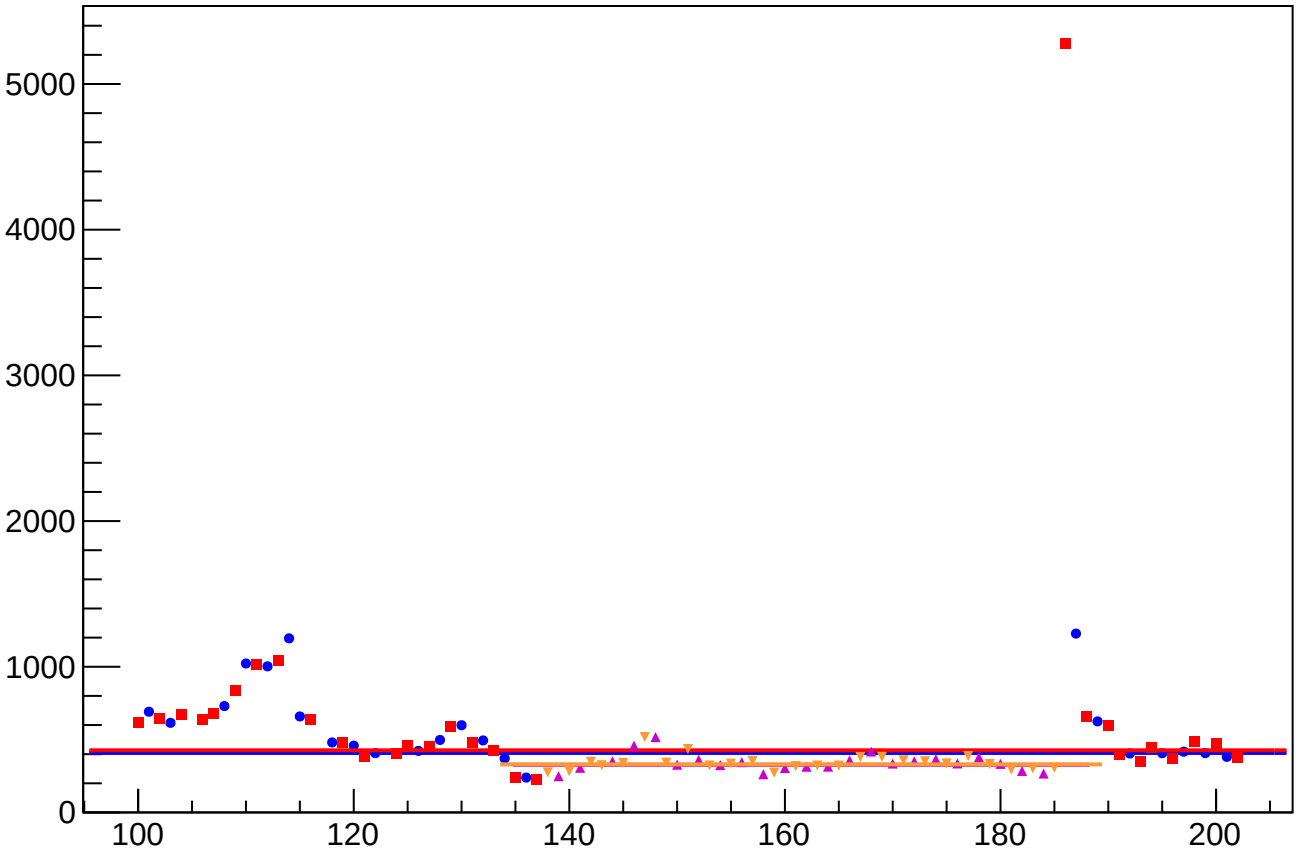
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -104.350+/-86.165 χ^2/NDF: 43.8/51

In: -51.706+/-65.705 χ^2/NDF:52.1/45

Out: -24.236+/-64.132 χ^2/NDF:51.6/53

All: -37.638+/-45.894 χ^2/NDF: 103.7/99



Right In: 408.607+/-0.087 χ^2/NDF: 2652222.3/22

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 426.493+/-0.085 χ^2/NDF: 3486488.7/28

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

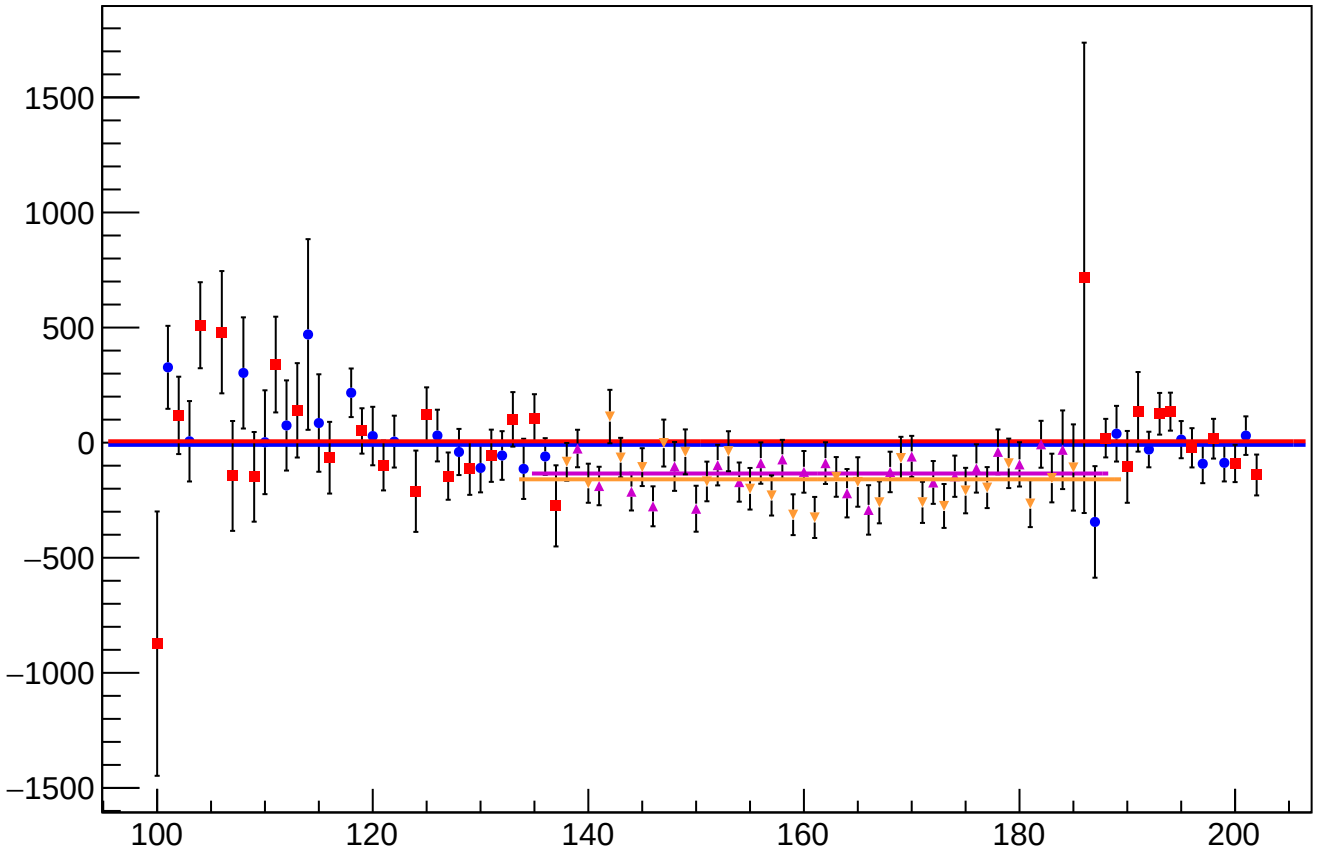
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 417.820+/-0.061 χ^2/NDF: 6160237.1/51

In: 349.984+/-0.046 χ^2/NDF:4176746.0/45

Out: 357.511+/-0.045 χ^2/NDF:5069661.5/53

All: 353.839+/-0.032 χ^2/NDF: 9259849.3/99



Right In: -9.434+/-23.563 χ^2/NDF: 18.3/22

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 6.001+/-22.430 χ^2/NDF: 38.8/28

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

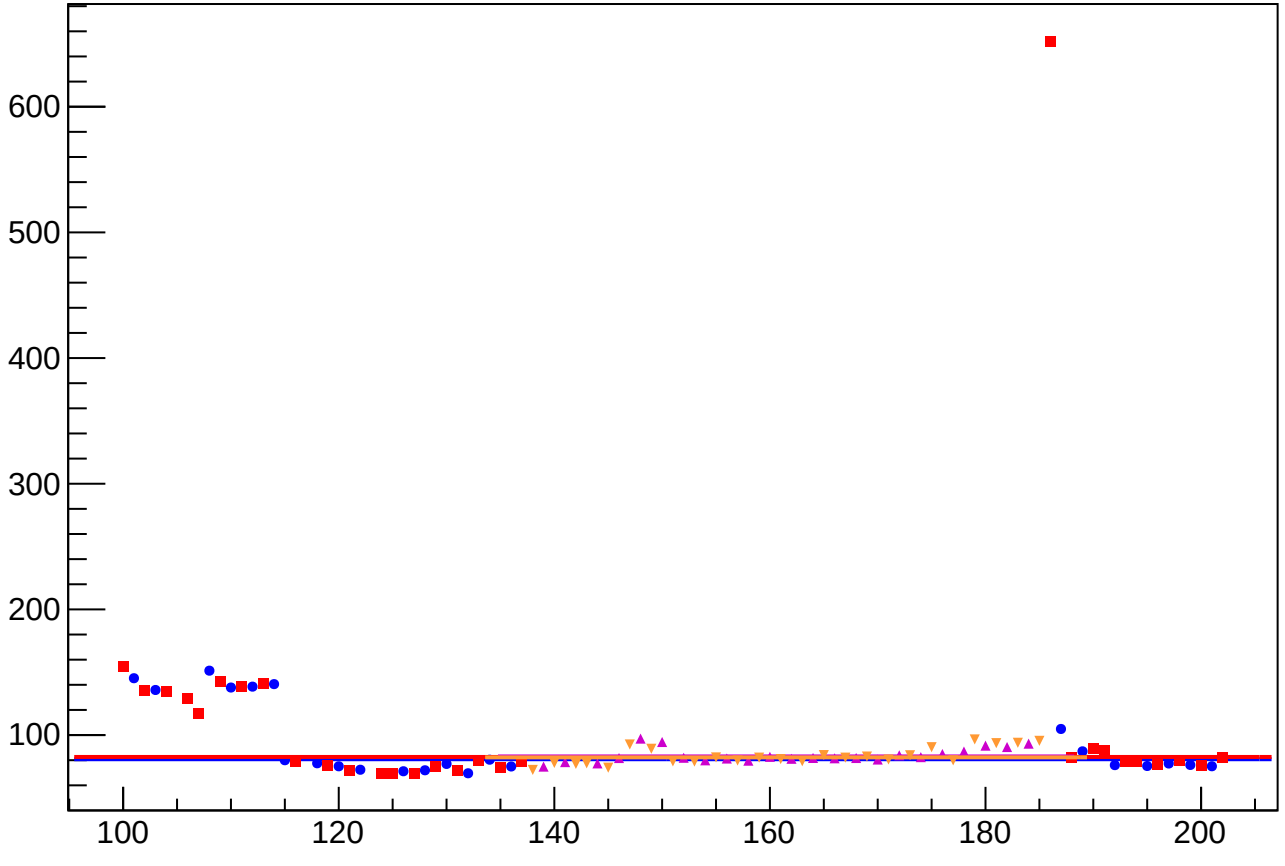
Right: -1.337+/-16.246 χ^2/NDF: 57.3/51

In: -83.554+/-14.996 χ^2/NDF:51.3/45

Out: -91.262+/-14.385 χ^2/NDF:98.9/53

All: -87.568+/-10.381 χ^2/NDF: 150.4/99

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.788+/-0.017 χ^2/NDF: 1110562.0/22

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 82.582+/-0.016 χ^2/NDF: 1789545.5/28

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

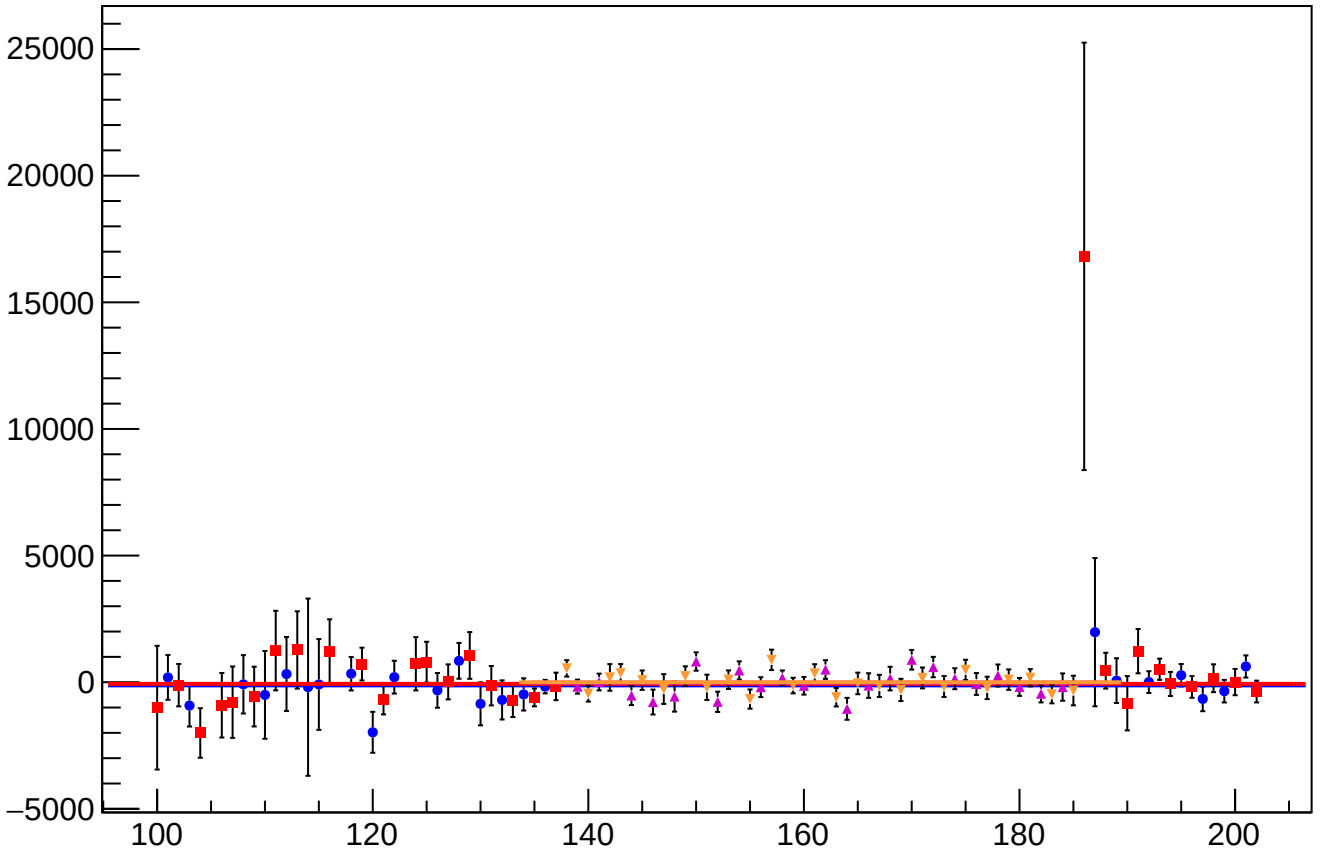
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 81.729+/-0.011 χ^2/NDF: 2906194.1/51

In: 82.100+/-0.011 χ^2/NDF:1266593.8/45

Out: 82.385+/-0.010 χ^2/NDF:2006356.8/53

All: 82.248+/-0.007 χ^2/NDF: 3273327.4/99



Right In: -124.548+/-128.064 χ^2/NDF: 16.7/22

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -65.120+/-124.570 χ^2/NDF: 26.3/28

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

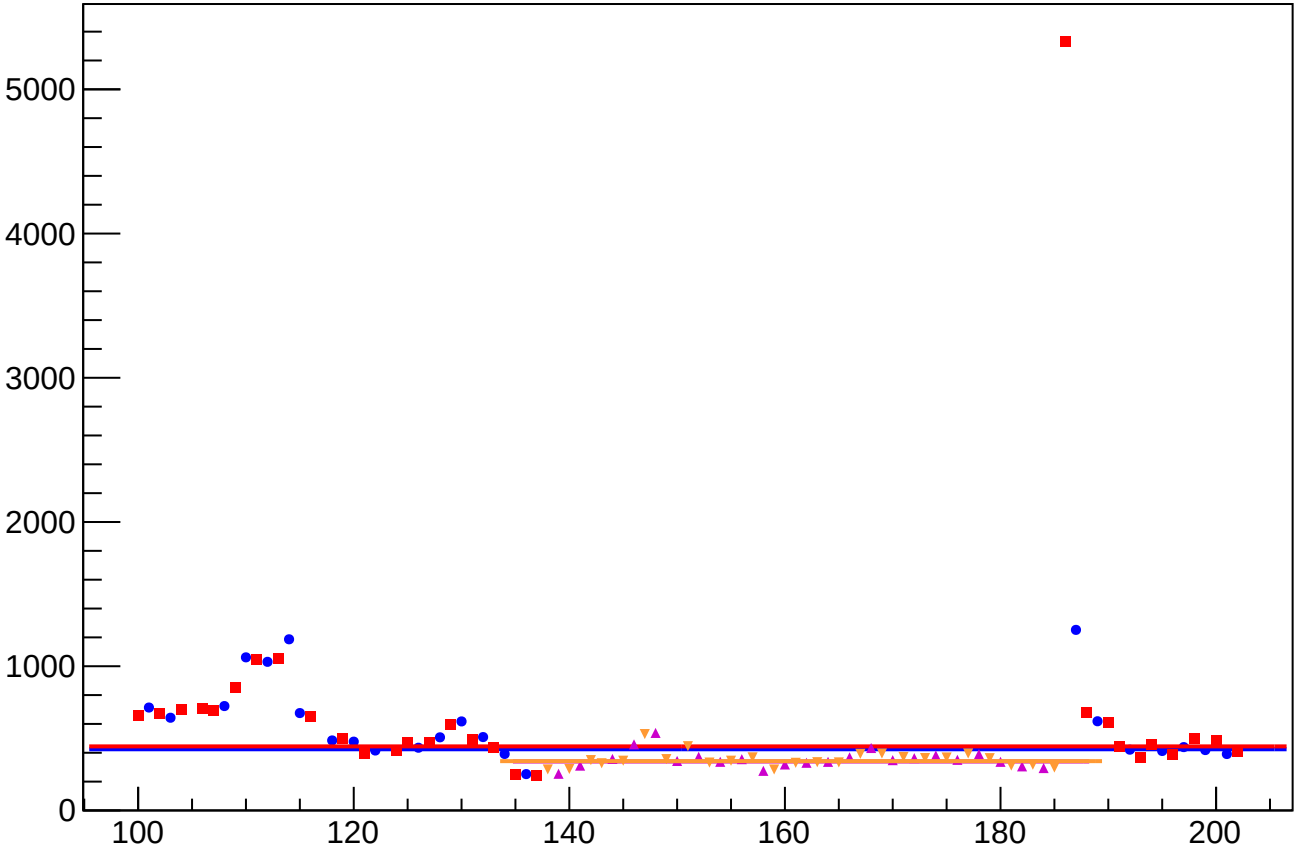
Right: -94.013+/-89.294 χ^2/NDF: 43.1/51

In: -47.066+/-68.099 χ^2/NDF:52.1/45

Out: -20.751+/-66.463 χ^2/NDF:50.0/53

All: -33.588+/-47.564 χ^2/NDF: 102.2/99

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 424.231+/-0.091 χ^2/NDF: 2527505.9/22

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 444.241+/-0.088 χ^2/NDF: 3400619.4/28

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

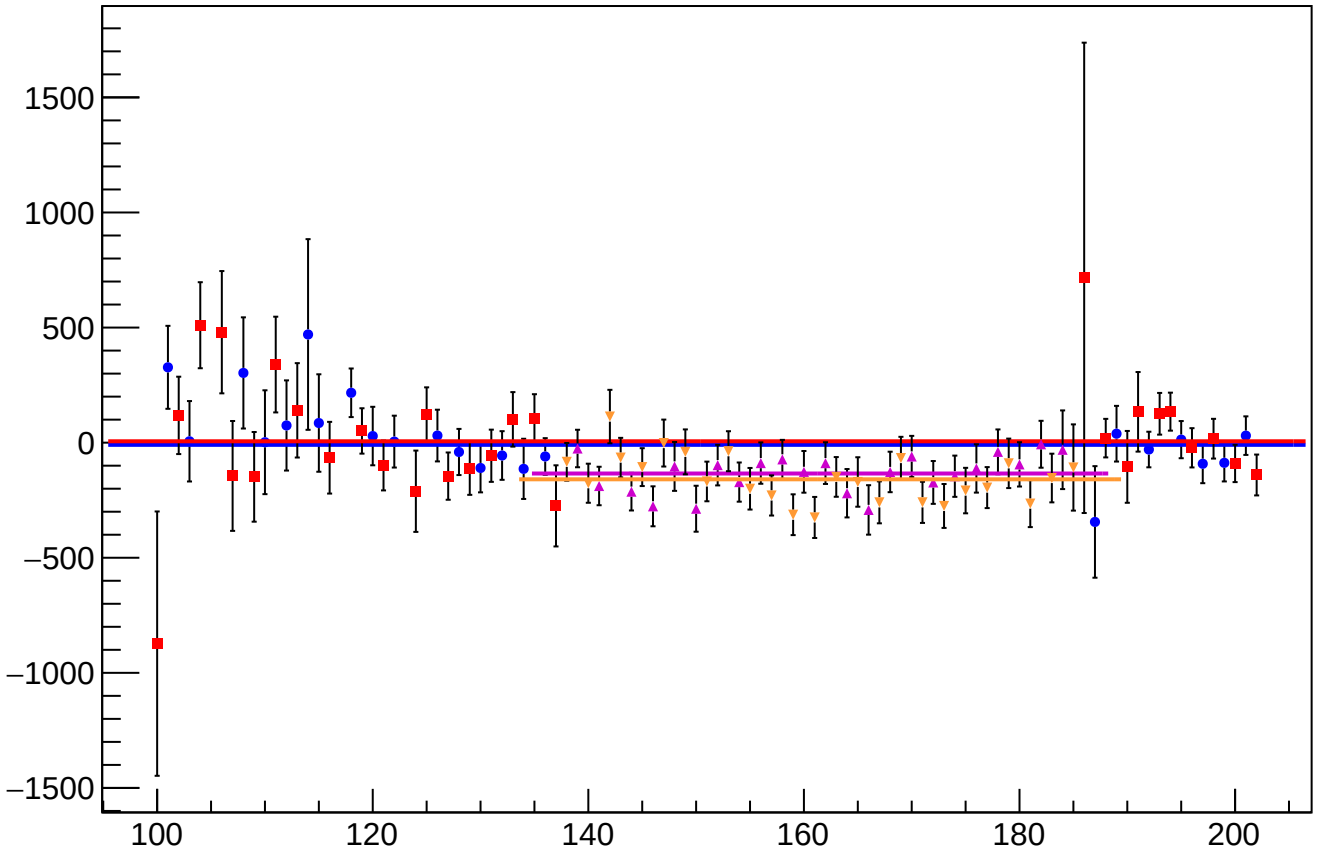
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 434.513+/-0.063 χ^2/NDF: 5953215.8/51

In: 363.408+/-0.048 χ^2/NDF:4003197.7/45

Out: 371.045+/-0.047 χ^2/NDF:5019856.6/53

All: 367.320+/-0.034 χ^2/NDF: 9035936.0/99



Right In: -9.434+/-23.563 χ^2/NDF: 18.3/22

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 6.000+/-22.430 χ^2/NDF: 38.8/28

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

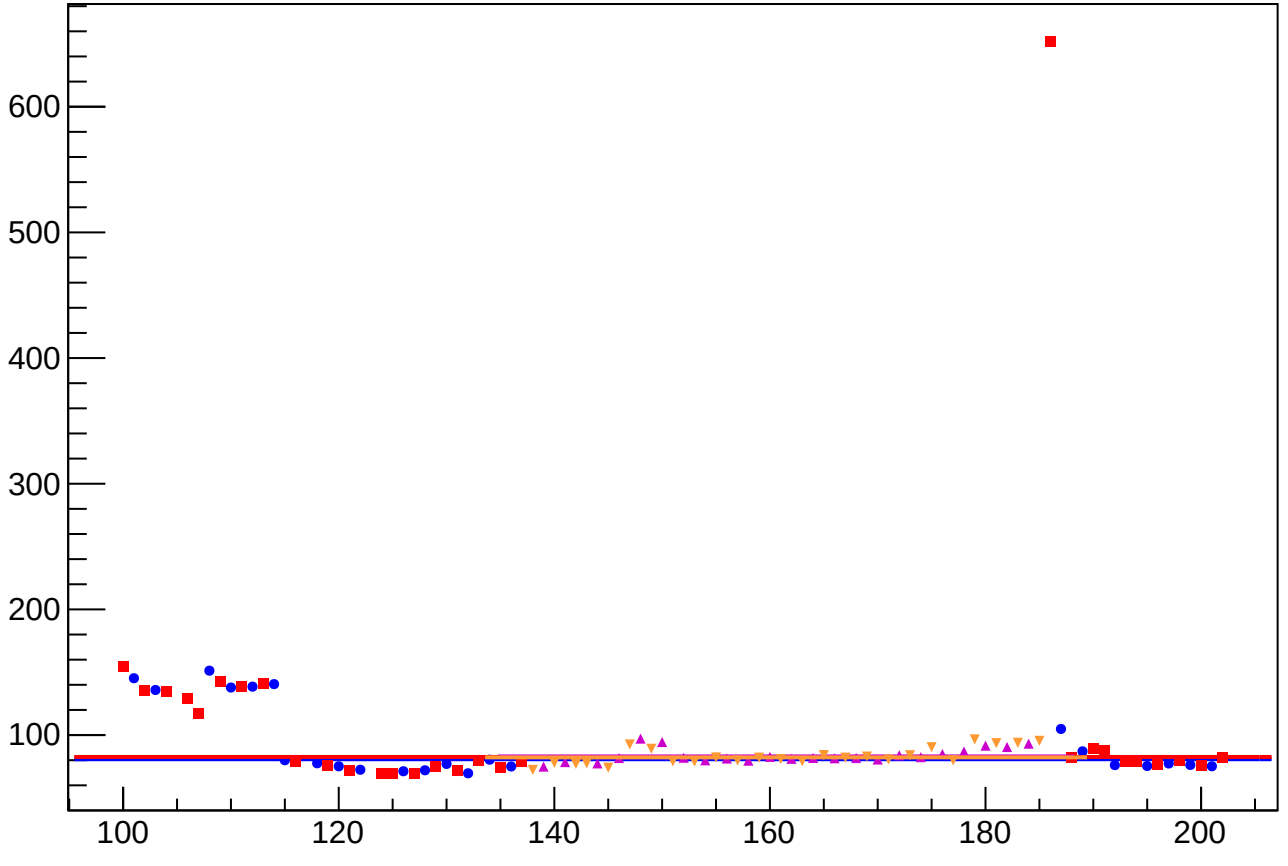
Right: -1.337+/-16.246 χ^2/NDF: 57.3/51

In: -83.554+/-14.996 χ^2/NDF:51.3/45

Out: -91.262+/-14.385 χ^2/NDF:98.9/53

All: -87.568+/-10.381 χ^2/NDF: 150.4/99

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.788+/-0.017 χ^2/NDF: 1110563.3/22

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 82.582+/-0.016 χ^2/NDF: 1789545.7/28

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

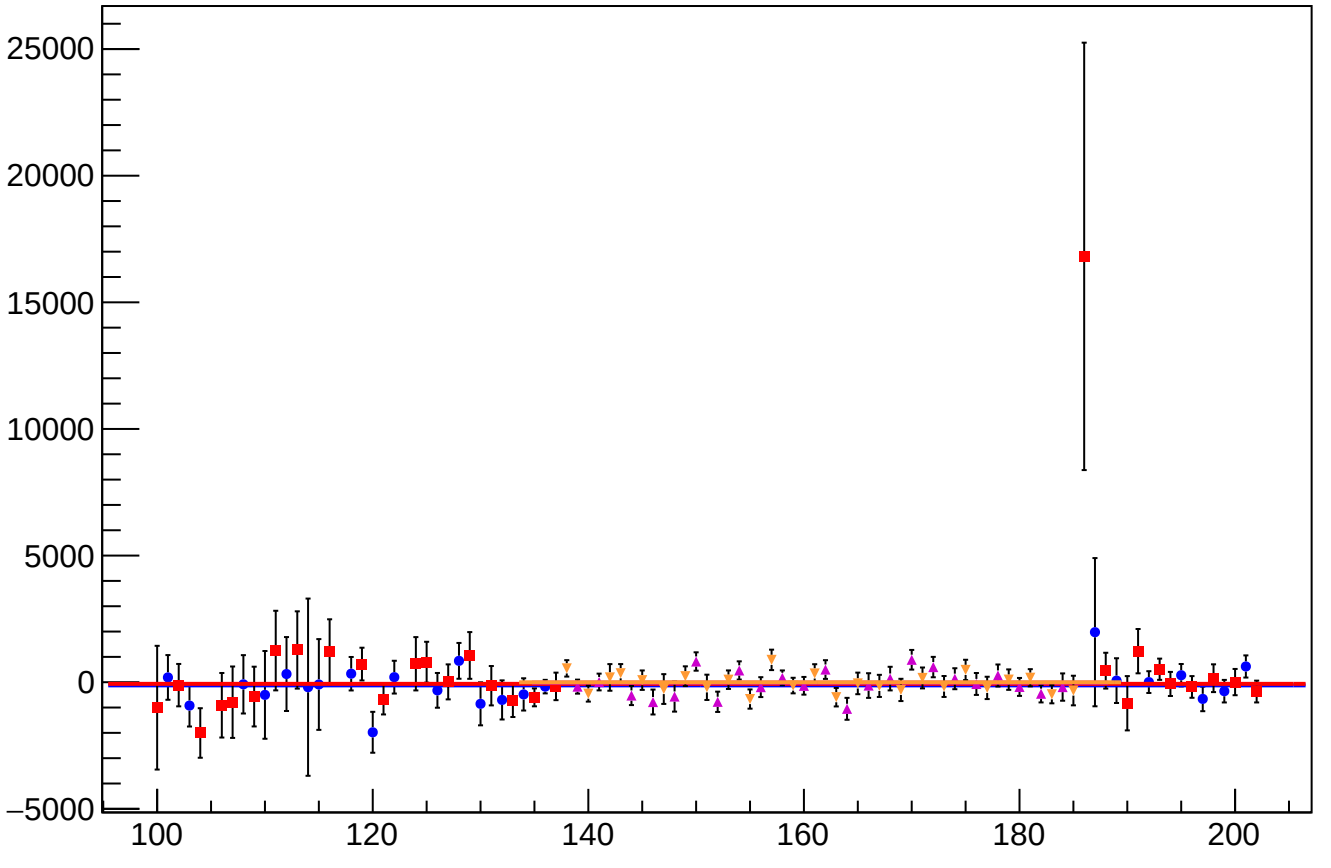
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 81.729+/-0.011 χ^2/NDF: 2906195.5/51

In: 82.100+/-0.011 χ^2/NDF:1266594.6/45

Out: 82.385+/-0.010 χ^2/NDF:2006356.9/53

All: 82.248+/-0.007 χ^2/NDF: 3273328.3/99



Right In: -124.547+/-128.064 χ^2/NDF: 16.7/22

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -65.120+/-124.570 χ^2/NDF: 26.3/28

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

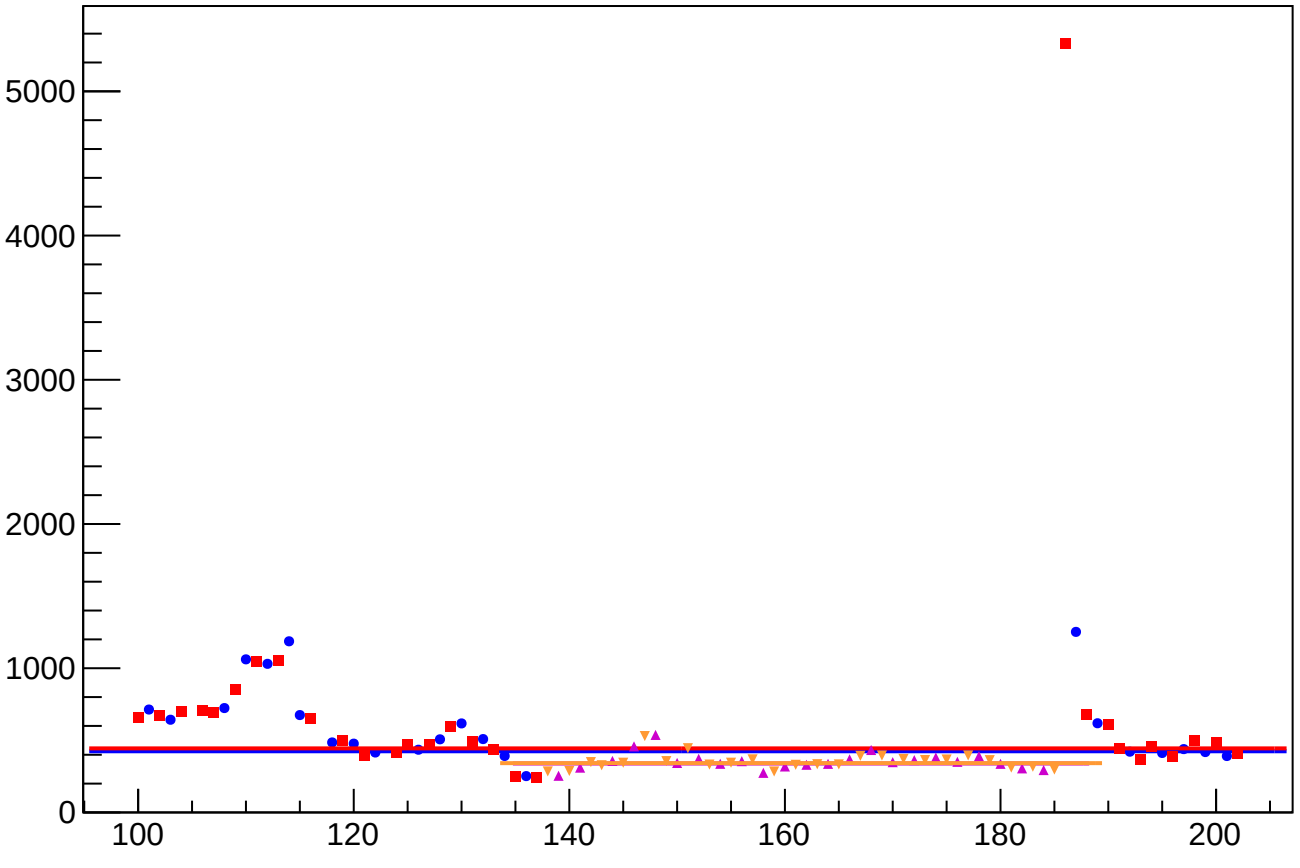
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -94.012+/-89.294 χ^2/NDF: 43.1/51

In: -47.065+/-68.099 χ^2/NDF:52.1/45

Out: -20.750+/-66.463 χ^2/NDF:50.0/53

All: -33.588+/-47.564 χ^2/NDF: 102.2/99



Right In: 424.230+/-0.091 χ^2/NDF: 2527511.3/22

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 444.240+/-0.088 χ^2/NDF: 3400628.0/28

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

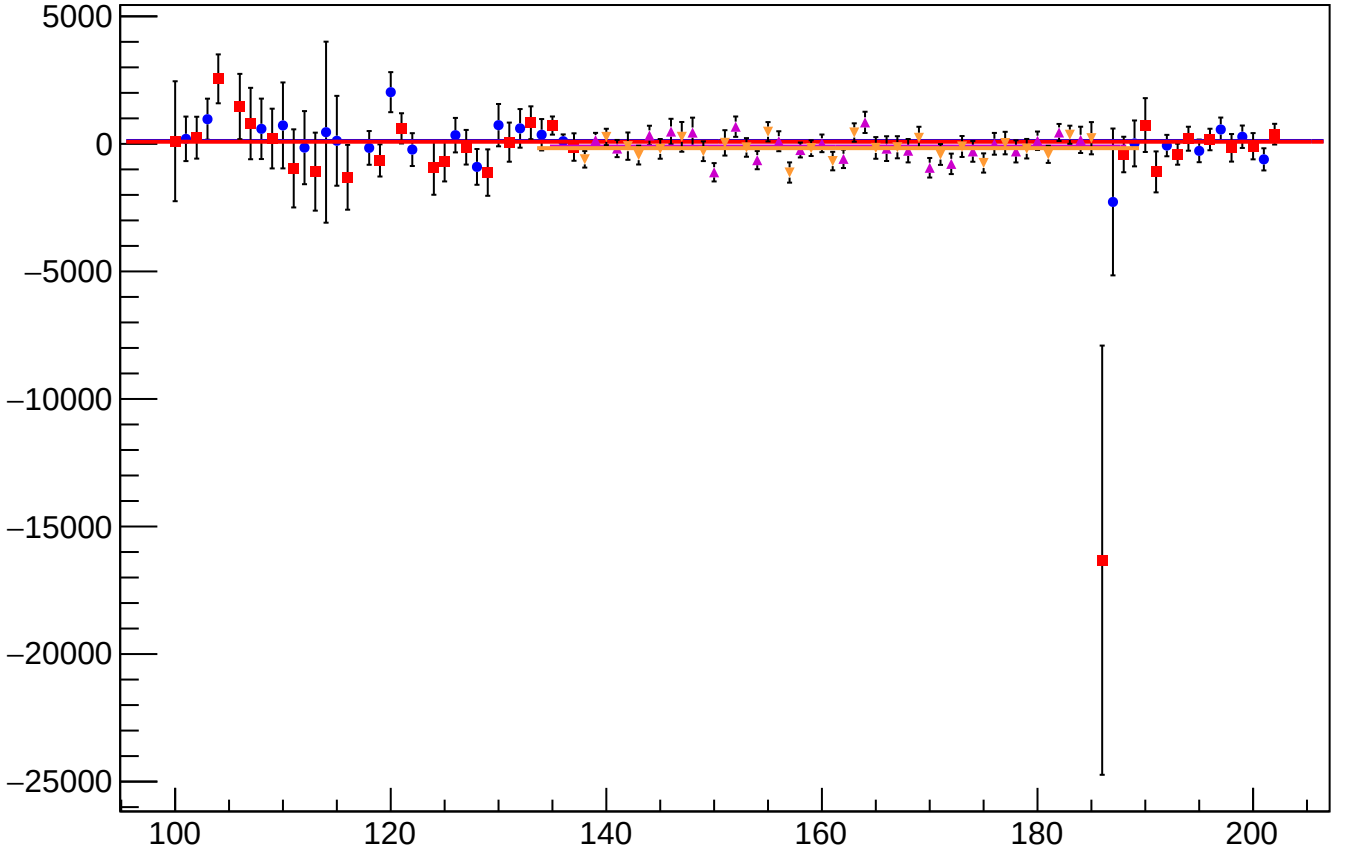
Right: 434.512+/-0.063 χ^2/NDF: 5953229.4/51

In: 363.408+/-0.048 χ^2/NDF:4003196.4/45

Out: 371.045+/-0.047 χ^2/NDF:5019850.7/53

All: 367.319+/-0.034 χ^2/NDF: 9035928.8/99

asym_sam1_mean vs Slug, Sign Corrected



Right In: 113.506+/-126.512 χ^2/NDF: 16.7/22

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 84.408+/-122.540 χ^2/NDF: 30.1/28

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

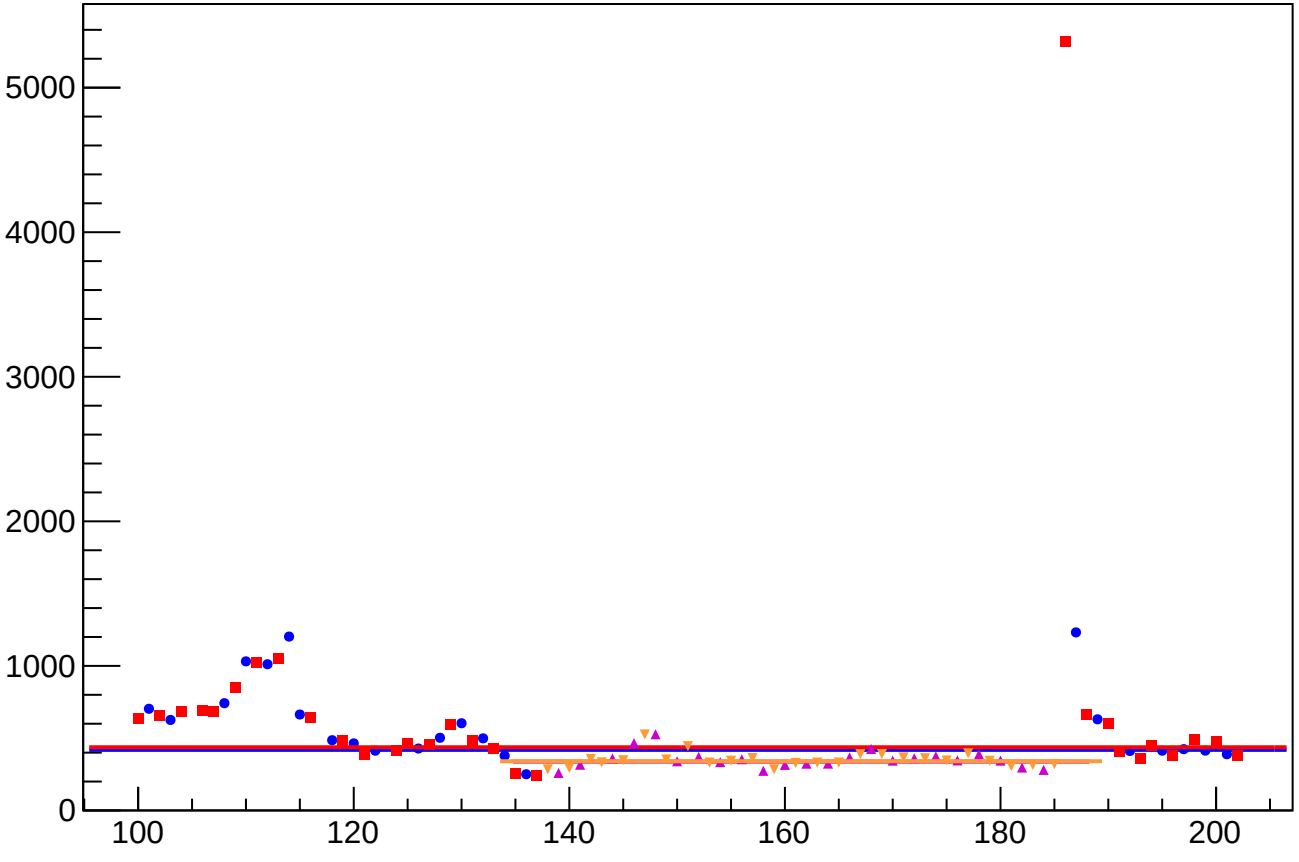
Right: 98.493+/-88.020 χ^2/NDF: 46.8/51

In: -41.886+/-67.613 χ^2/NDF:56.3/45

Out: -94.542+/-65.908 χ^2/NDF:58.7/53

All: -68.886+/-47.195 χ^2/NDF: 115.3/99

asym_sam1_rms vs Slug, Sign Corrected



Right In: 419.220+/-0.089 χ^2/NDF: 2505821.4/22

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 437.168+/-0.087 χ^2/NDF: 3359682.6/28

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

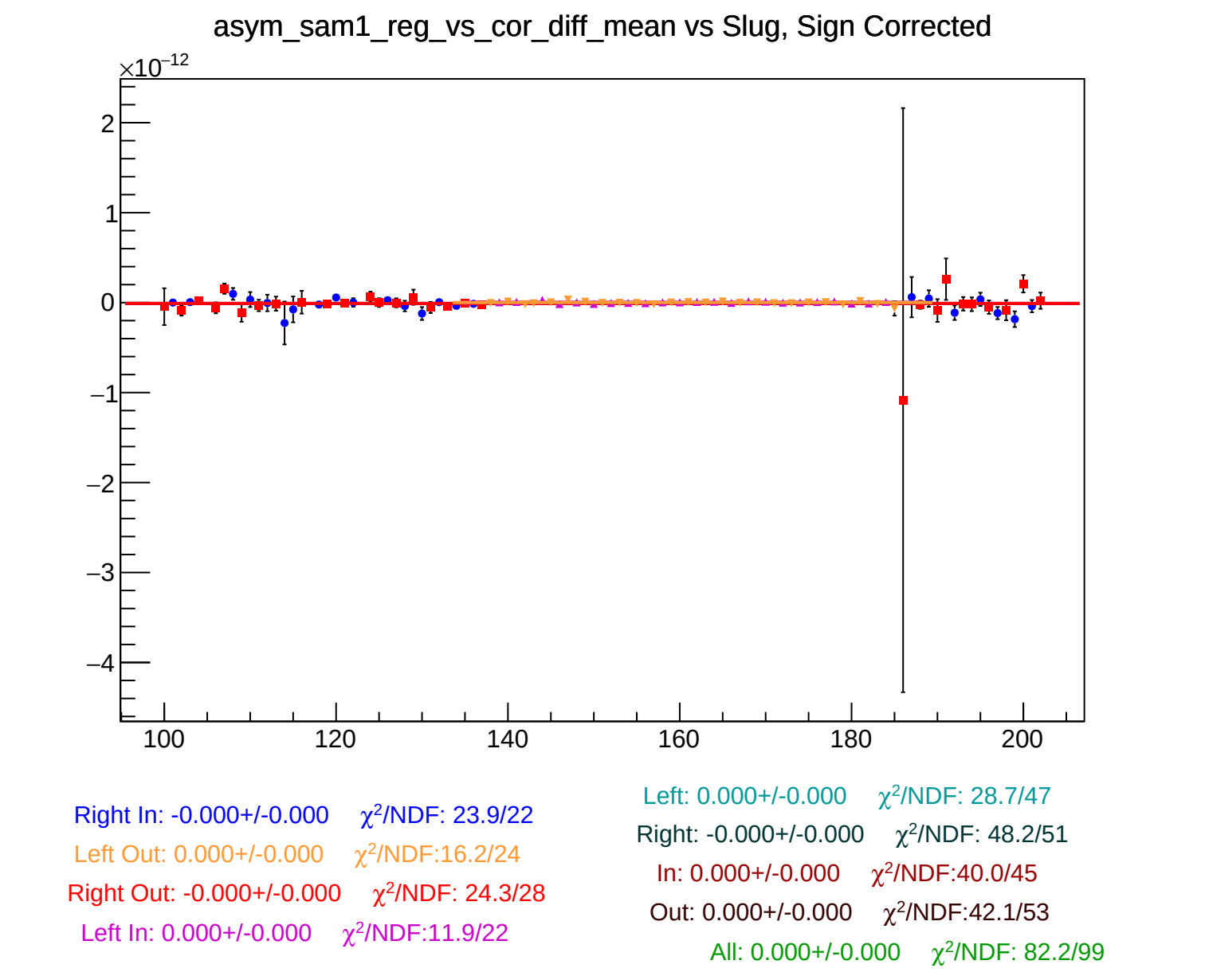
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

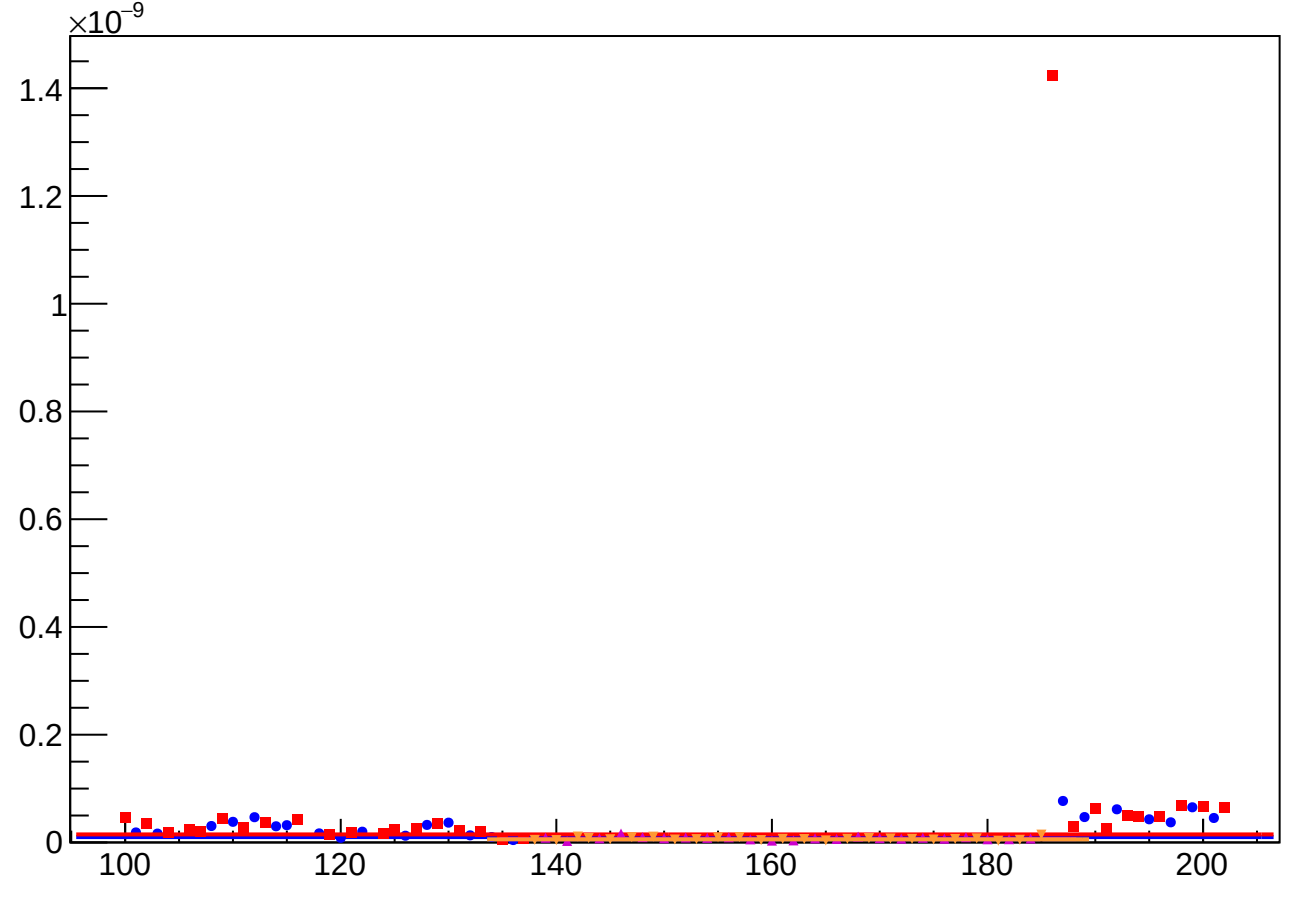
Right: 428.480+/-0.062 χ^2/NDF: 5886274.0/51

In: 361.026+/-0.048 χ^2/NDF:3918864.8/45

Out: 368.387+/-0.047 χ^2/NDF:4850419.1/53

All: 364.800+/-0.033 χ^2/NDF: 8781439.9/99


asym_sam1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.9/22
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.3/28
Left In: 0.000+/-0.000 χ²/NDF:11.9/22
Left: 0.000+/-0.000 χ²/NDF: 28.7/47
Right: -0.000+/-0.000 χ²/NDF: 48.2/51
In: 0.000+/-0.000 χ²/NDF:40.0/45
Out: 0.000+/-0.000 χ²/NDF:42.1/53
All: 0.000+/-0.000 χ²/NDF: 82.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 6260211.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6775216.3/28

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

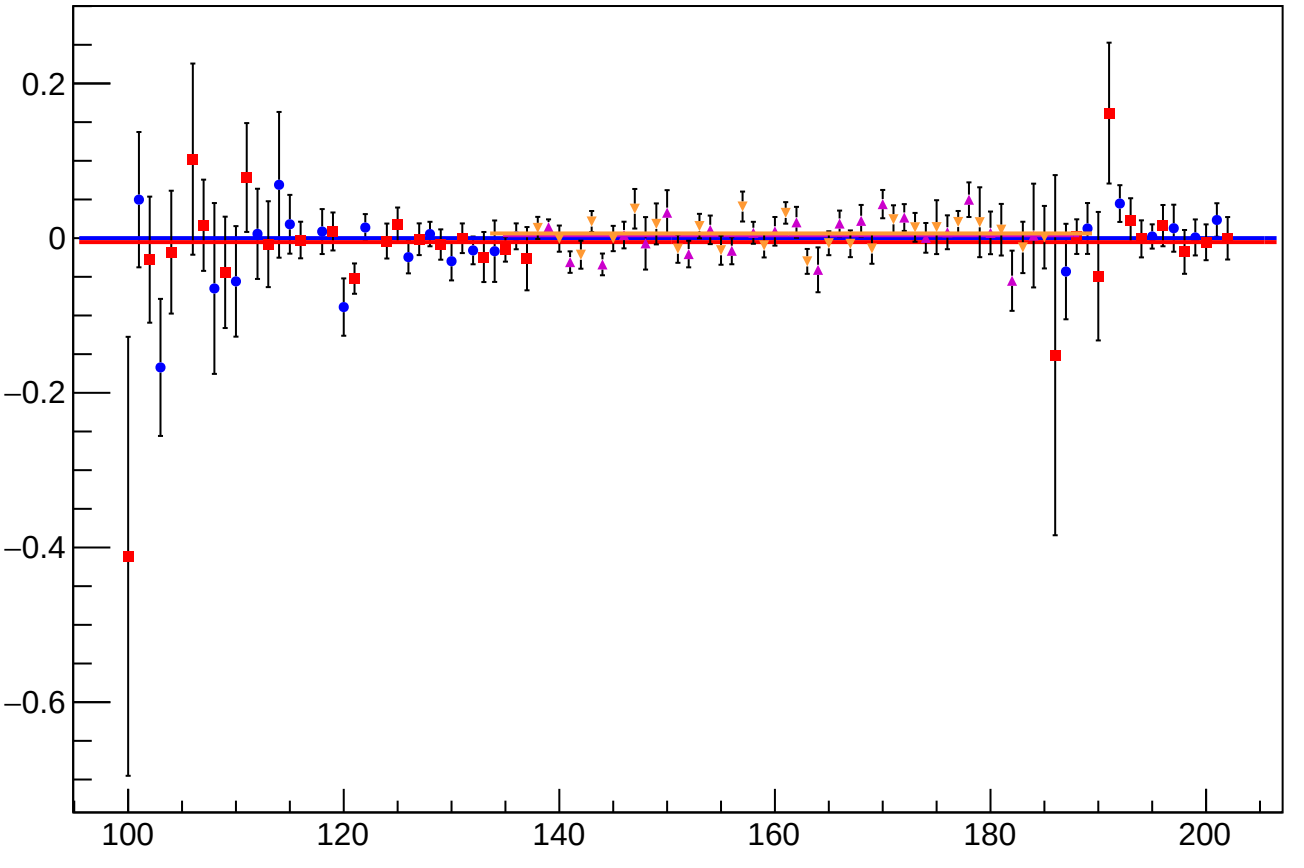
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13534729.4/51

In: 0.000+/-0.000 χ^2/NDF:8877475.1/45

Out: 0.000+/-0.000 χ^2/NDF:10431263.1/53

All: 0.000+/-0.000 χ^2/NDF: 19321626.4/99



Right In: 0.000+/-0.005 χ^2/NDF: 21.6/22

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.005 χ^2/NDF: 19.0/28

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

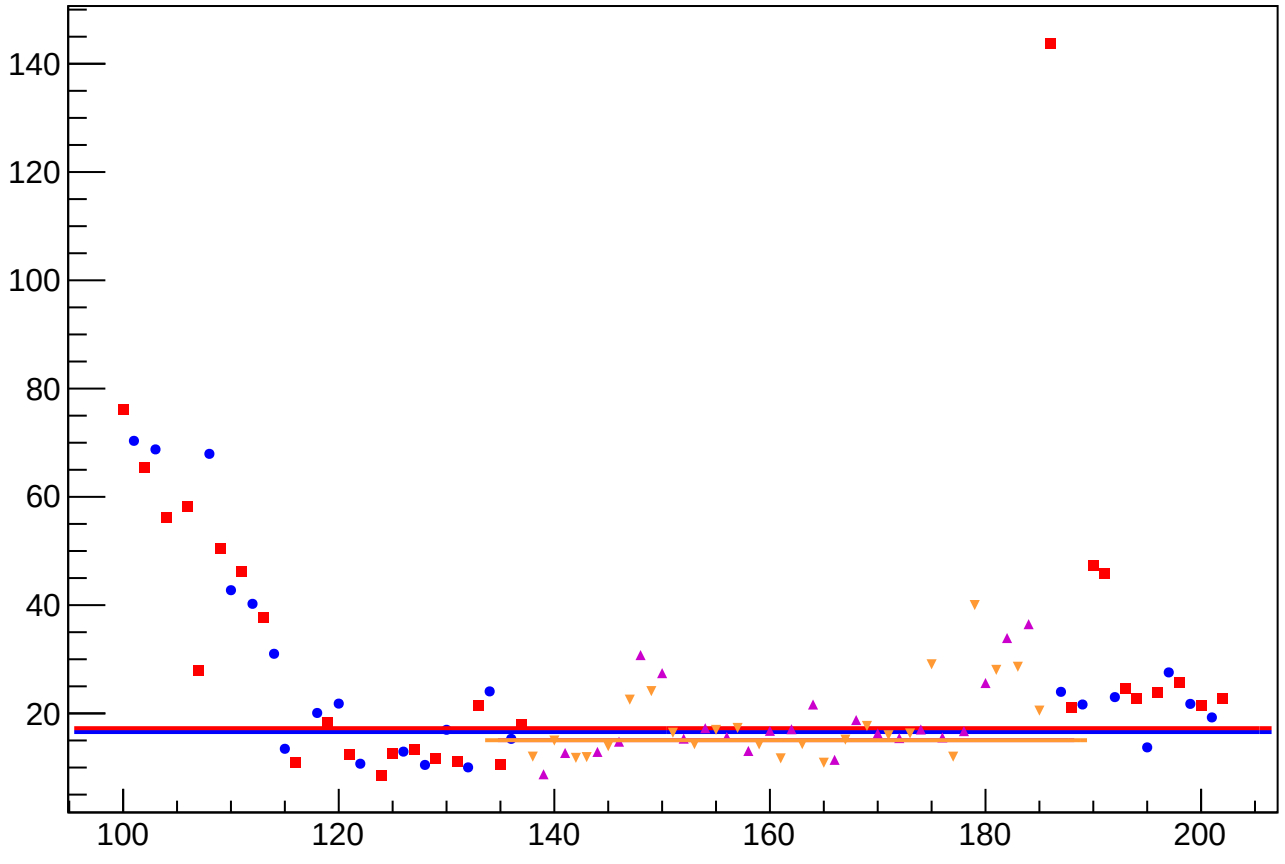
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 41.0/51

In: 0.003+/-0.003 χ^2/NDF:59.0/45

Out: 0.002+/-0.003 χ^2/NDF:48.7/53

All: 0.002+/-0.002 χ^2/NDF: 107.7/99



Right In: 16.558+/-0.004 χ^2/NDF: 4224524.5/22

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845938.6/28

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

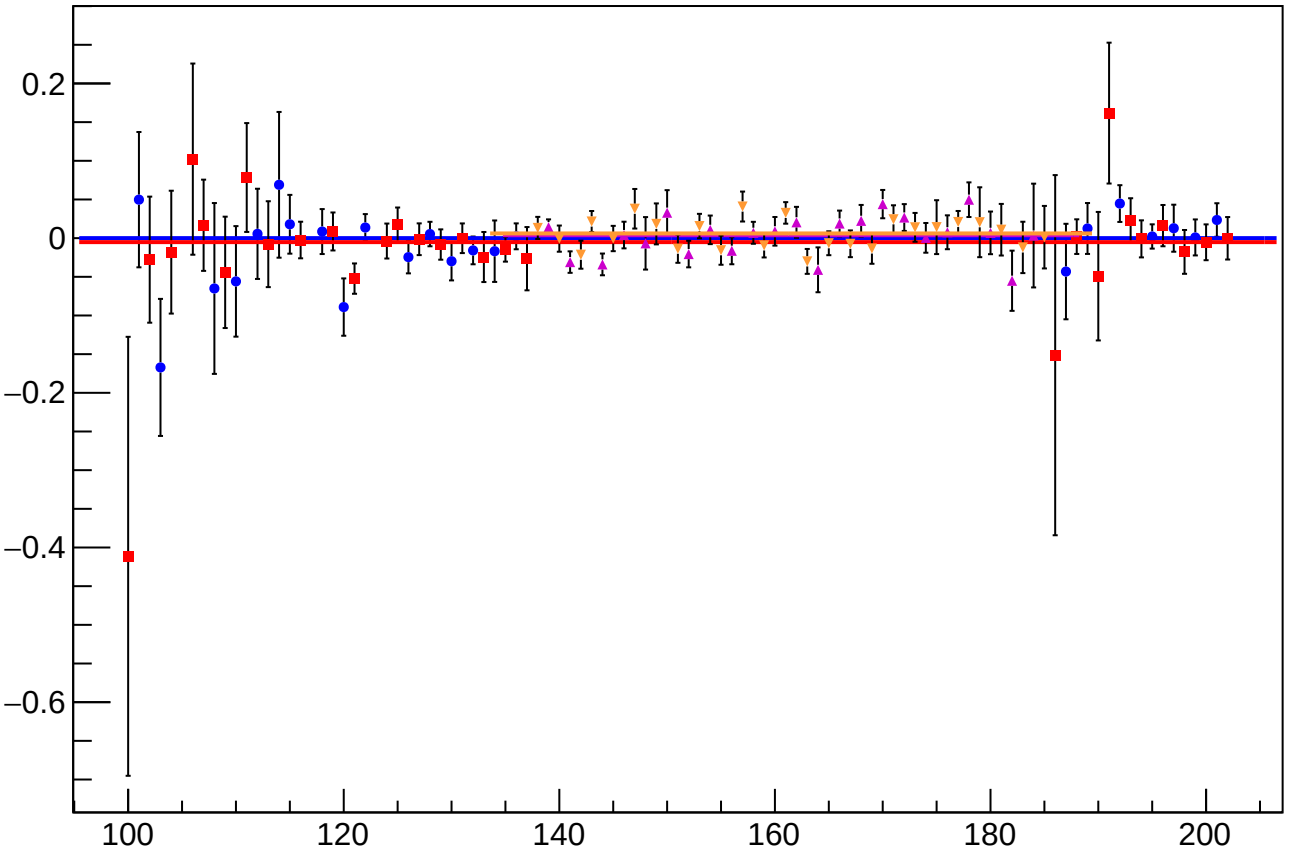
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.921+/-0.003 χ^2/NDF: 10088094.9/51

In: 15.566+/-0.002 χ^2/NDF:7392120.7/45

Out: 15.770+/-0.002 χ^2/NDF:8841509.9/53

All: 15.671+/-0.002 χ^2/NDF: 16238039.7/99



Right In: 0.000+/-0.005 χ^2/NDF: 21.6/22

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.005 χ^2/NDF: 19.0/28

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

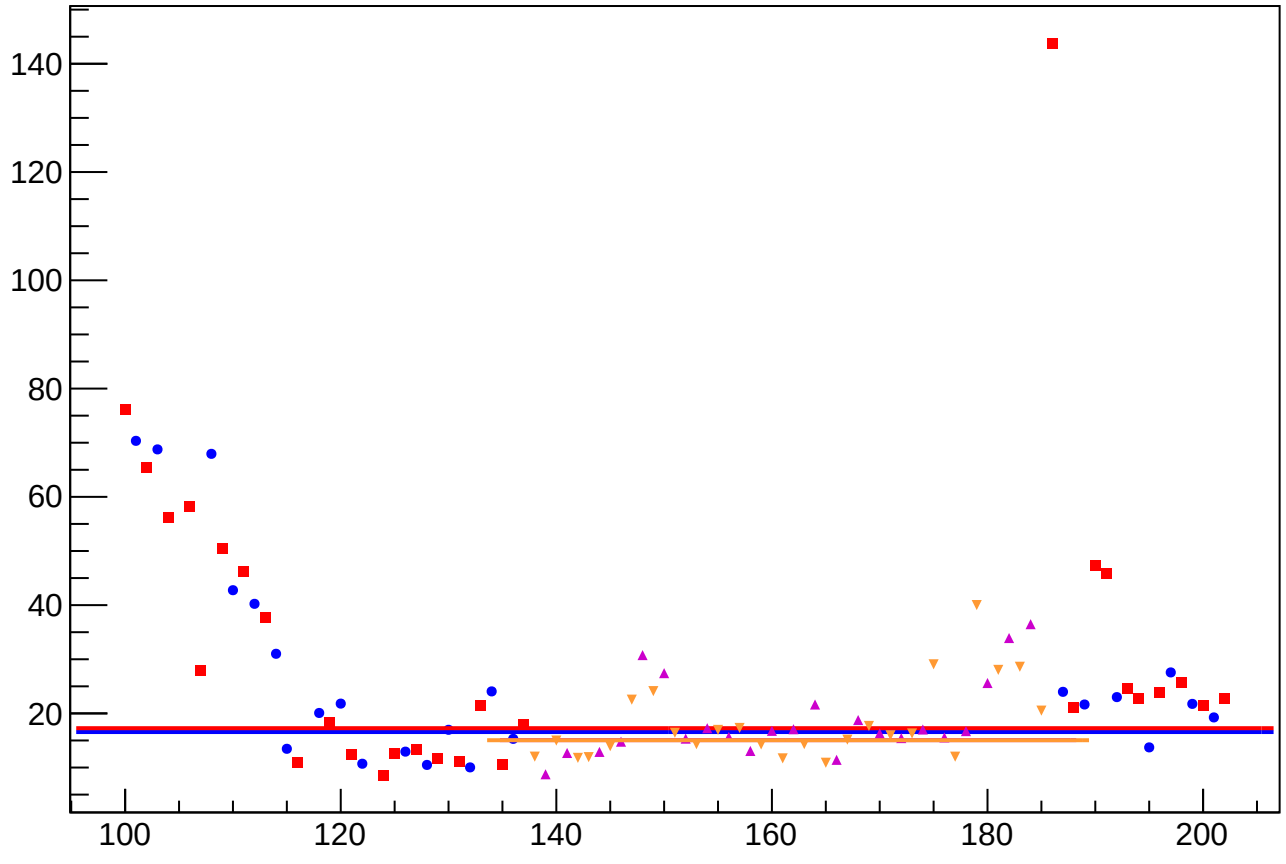
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 41.0/51

In: 0.003+/-0.003 χ^2/NDF:59.0/45

Out: 0.002+/-0.003 χ^2/NDF:48.7/53

All: 0.002+/-0.002 χ^2/NDF: 107.7/99



Right In: 16.558+/-0.004 χ^2/NDF: 4224524.5/22

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845938.6/28

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

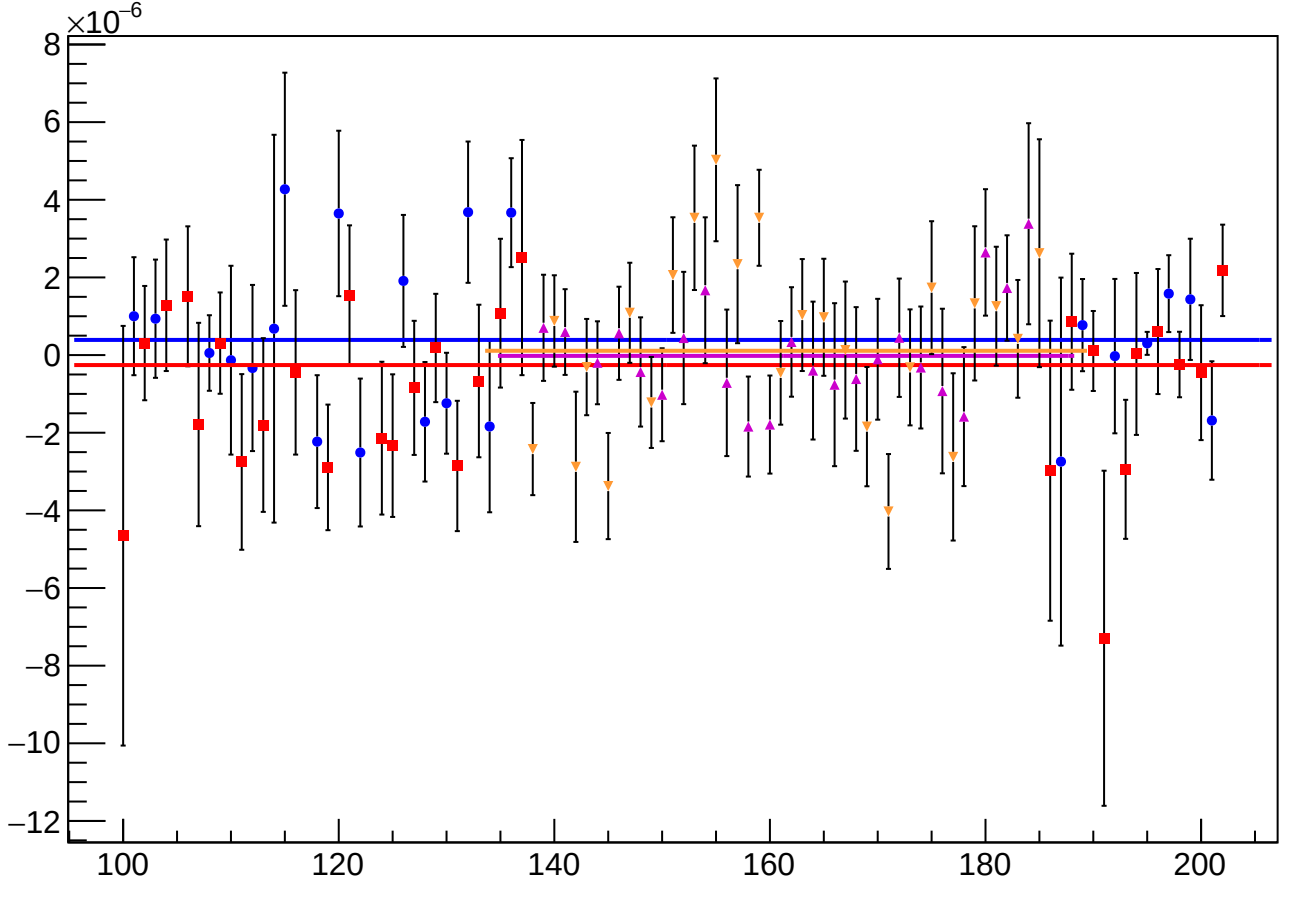
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.921+/-0.003 χ^2/NDF: 10088094.9/51

In: 15.566+/-0.002 χ^2/NDF:7392120.7/45

Out: 15.770+/-0.002 χ^2/NDF:8841509.9/53

All: 15.671+/-0.002 χ^2/NDF: 16238039.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 27.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/28

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

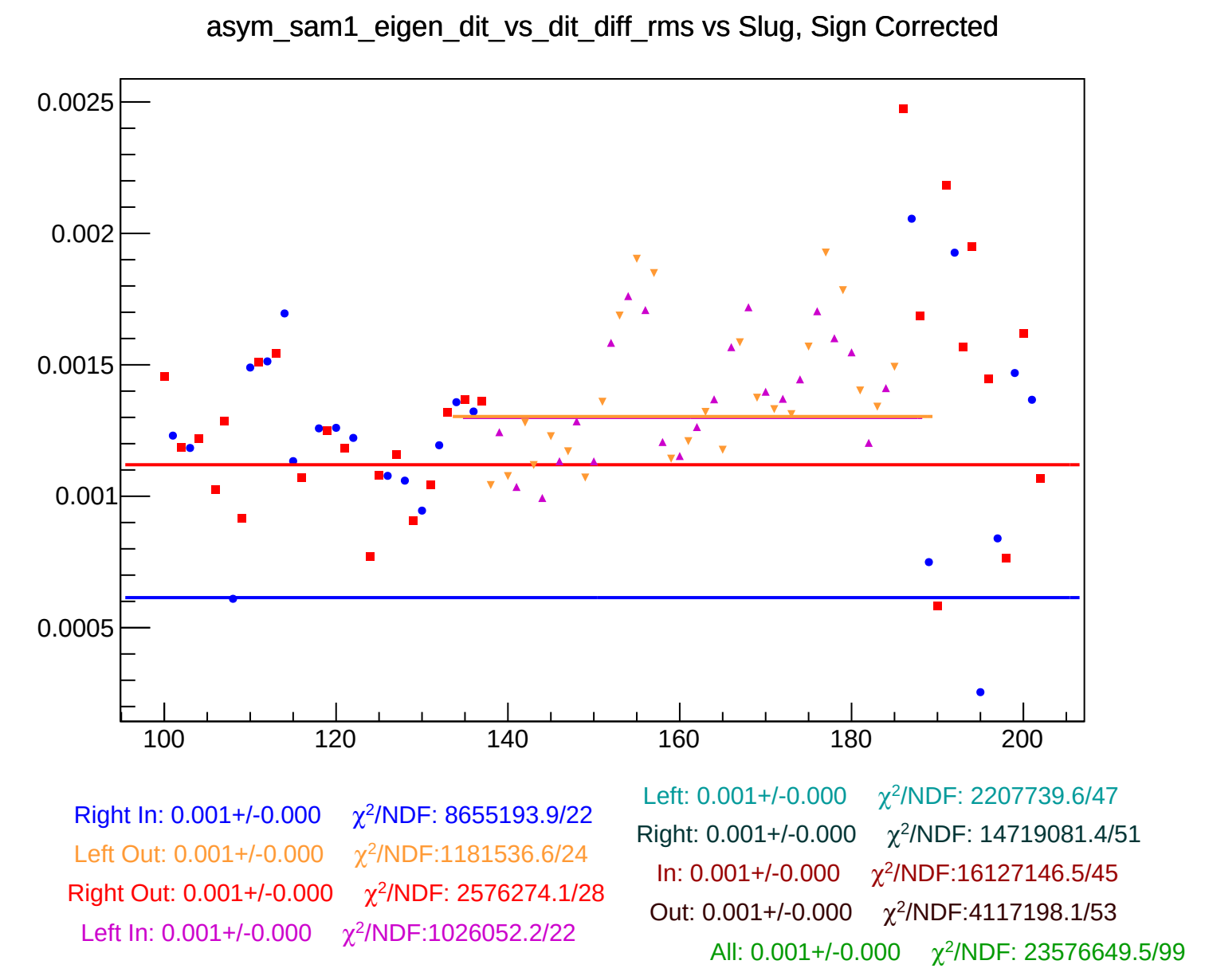
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

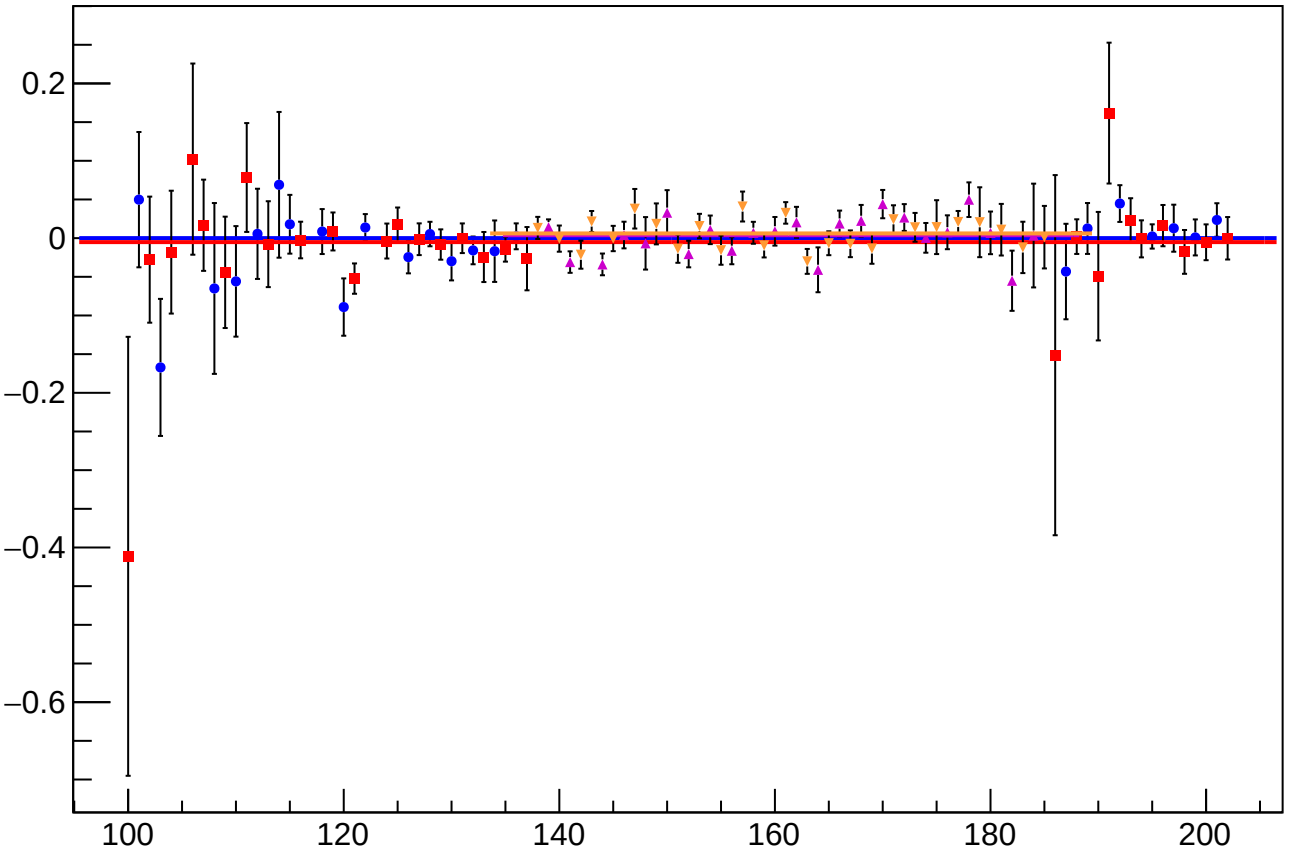
Right: 0.000+/-0.000 χ^2/NDF: 55.7/51

In: 0.000+/-0.000 χ^2/NDF:42.9/45

Out: -0.000+/-0.000 χ^2/NDF:75.9/53

All: 0.000+/-0.000 χ^2/NDF: 120.1/99


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8655193.9/22
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 2576274.1/28
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2207739.6/47
Right: 0.001+/-0.000 χ²/NDF: 14719081.4/51
In: 0.001+/-0.000 χ²/NDF:16127146.5/45
Out: 0.001+/-0.000 χ²/NDF:4117198.1/53
All: 0.001+/-0.000 χ²/NDF: 23576649.5/99



Right In: 0.000+/-0.005 χ^2/NDF: 21.6/22

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.005 χ^2/NDF: 19.0/28

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

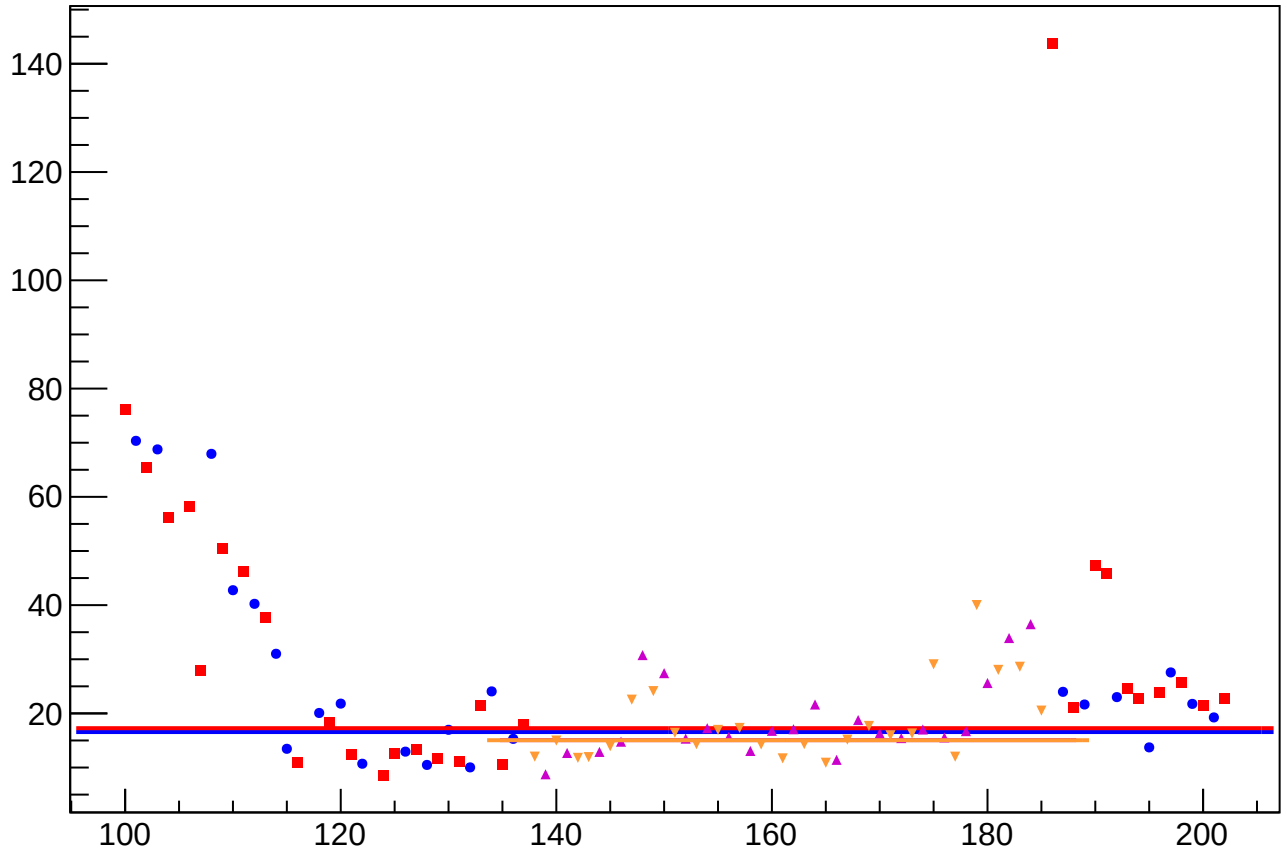
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 41.0/51

In: 0.003+/-0.003 χ^2/NDF:59.0/45

Out: 0.002+/-0.003 χ^2/NDF:48.7/53

All: 0.002+/-0.002 χ^2/NDF: 107.7/99



Right In: 16.558+/-0.004 χ^2/NDF: 4224502.2/22

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845879.1/28

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

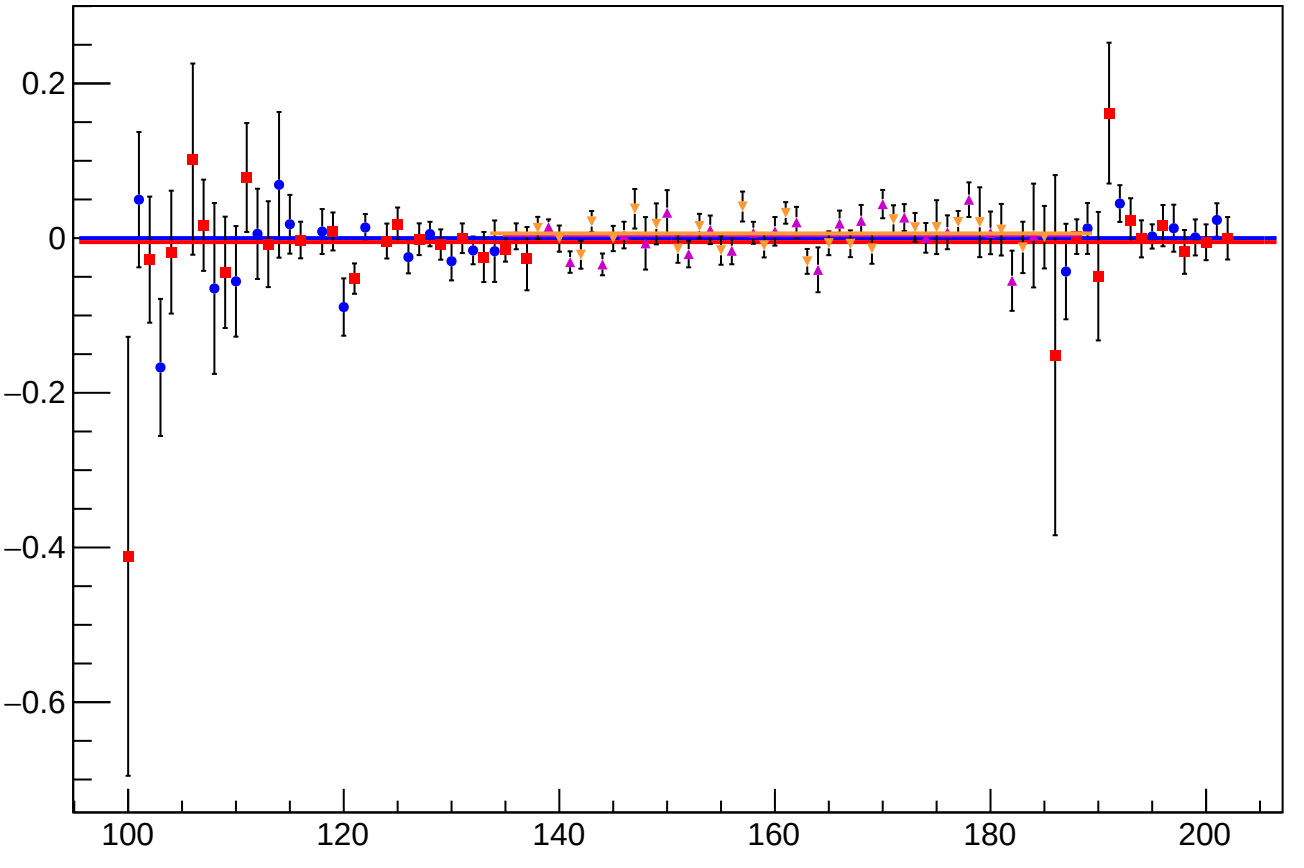
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.921+/-0.003 χ^2/NDF: 10088015.1/51

In: 15.565+/-0.002 χ^2/NDF:7392141.6/45

Out: 15.770+/-0.002 χ^2/NDF:8841682.1/53

All: 15.671+/-0.002 χ^2/NDF: 16238231.3/99



Right In: 0.000+/-0.005 χ^2/NDF: 21.6/22

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.005 χ^2/NDF: 19.0/28

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

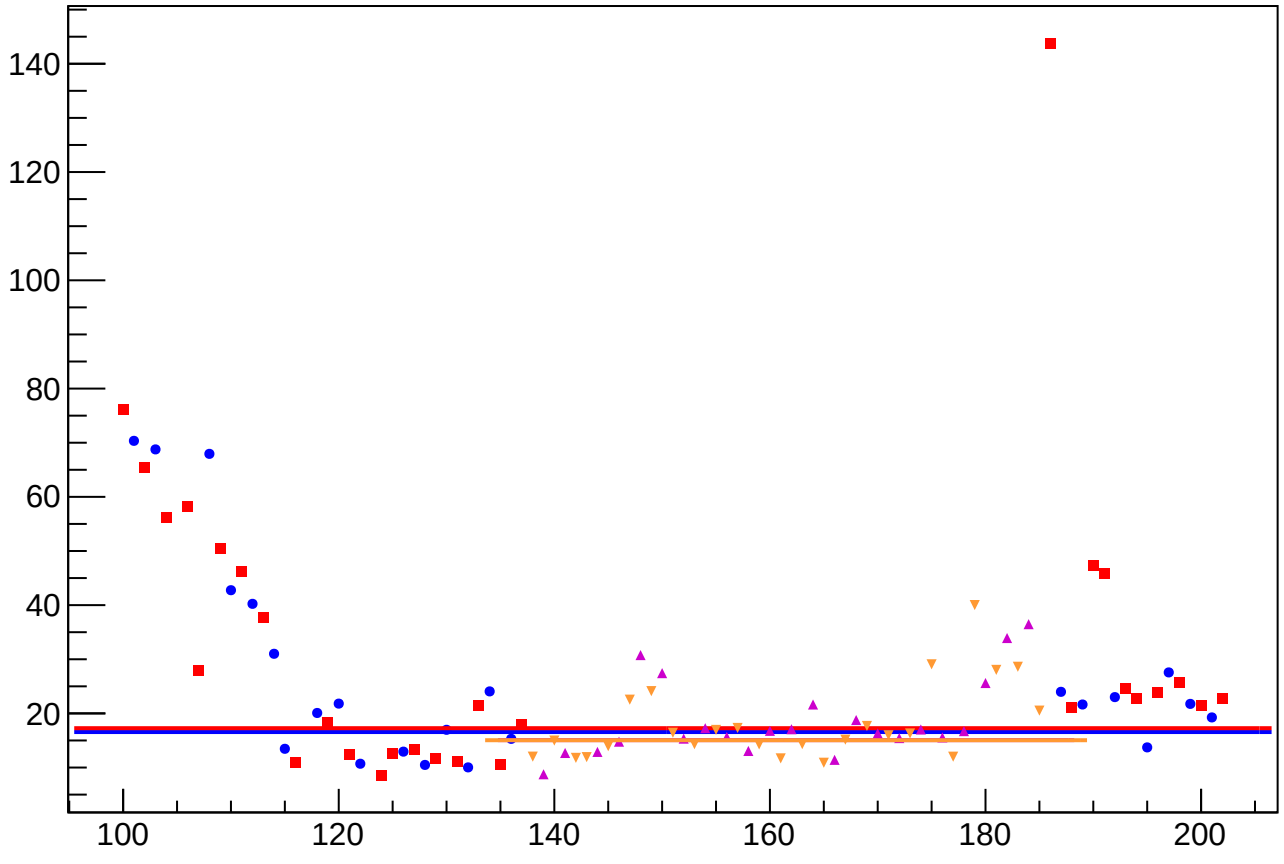
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 41.0/51

In: 0.003+/-0.003 χ^2/NDF:59.0/45

Out: 0.002+/-0.003 χ^2/NDF:48.7/53

All: 0.002+/-0.002 χ^2/NDF: 107.7/99



Right In: 16.558+/-0.004 χ^2/NDF: 4224502.2/22

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845879.1/28

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

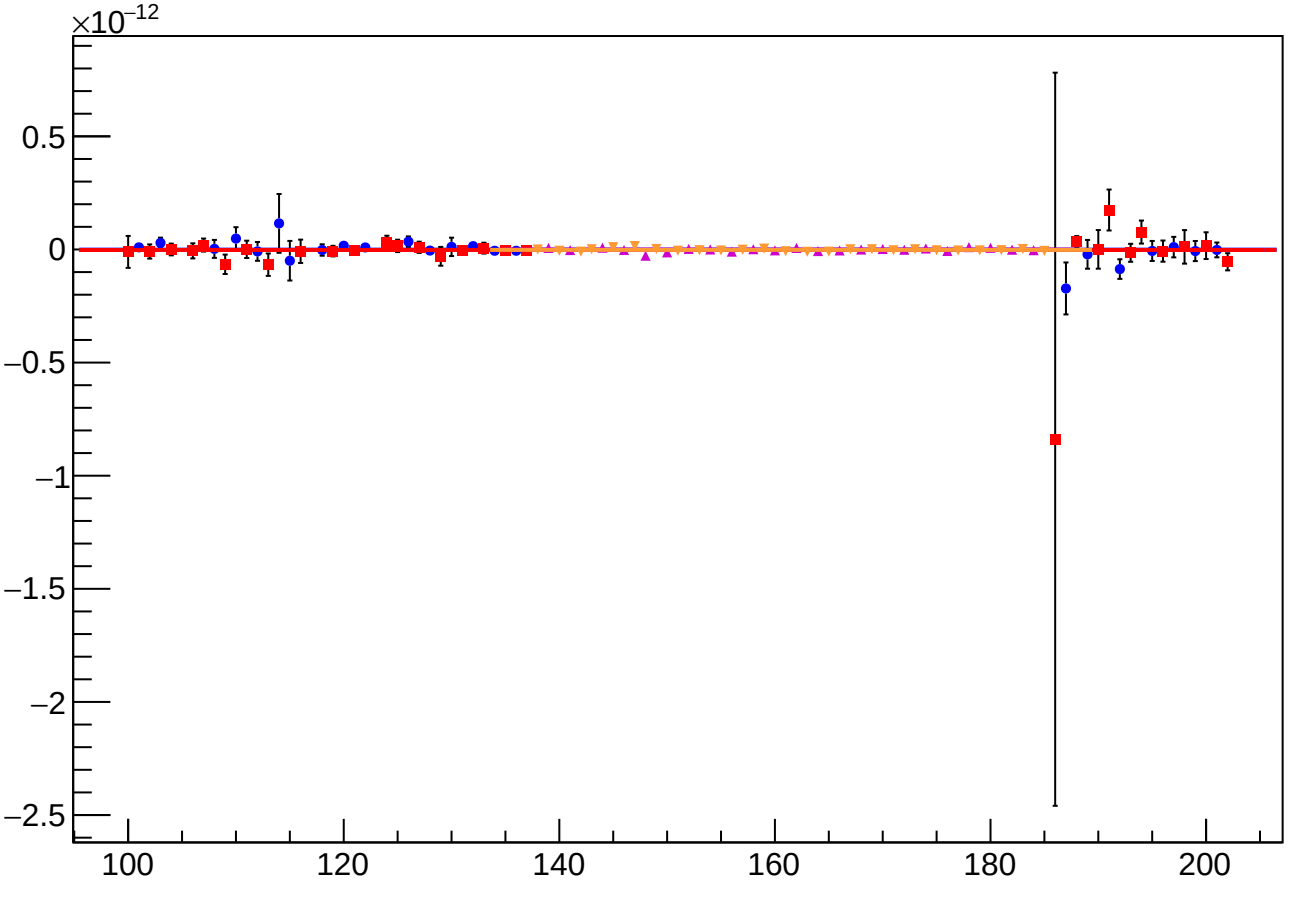
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.921+/-0.003 χ^2/NDF: 10088015.1/51

In: 15.565+/-0.002 χ^2/NDF:7392141.6/45

Out: 15.770+/-0.002 χ^2/NDF:8841682.1/53

All: 15.671+/-0.002 χ^2/NDF: 16238231.3/99



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/28

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

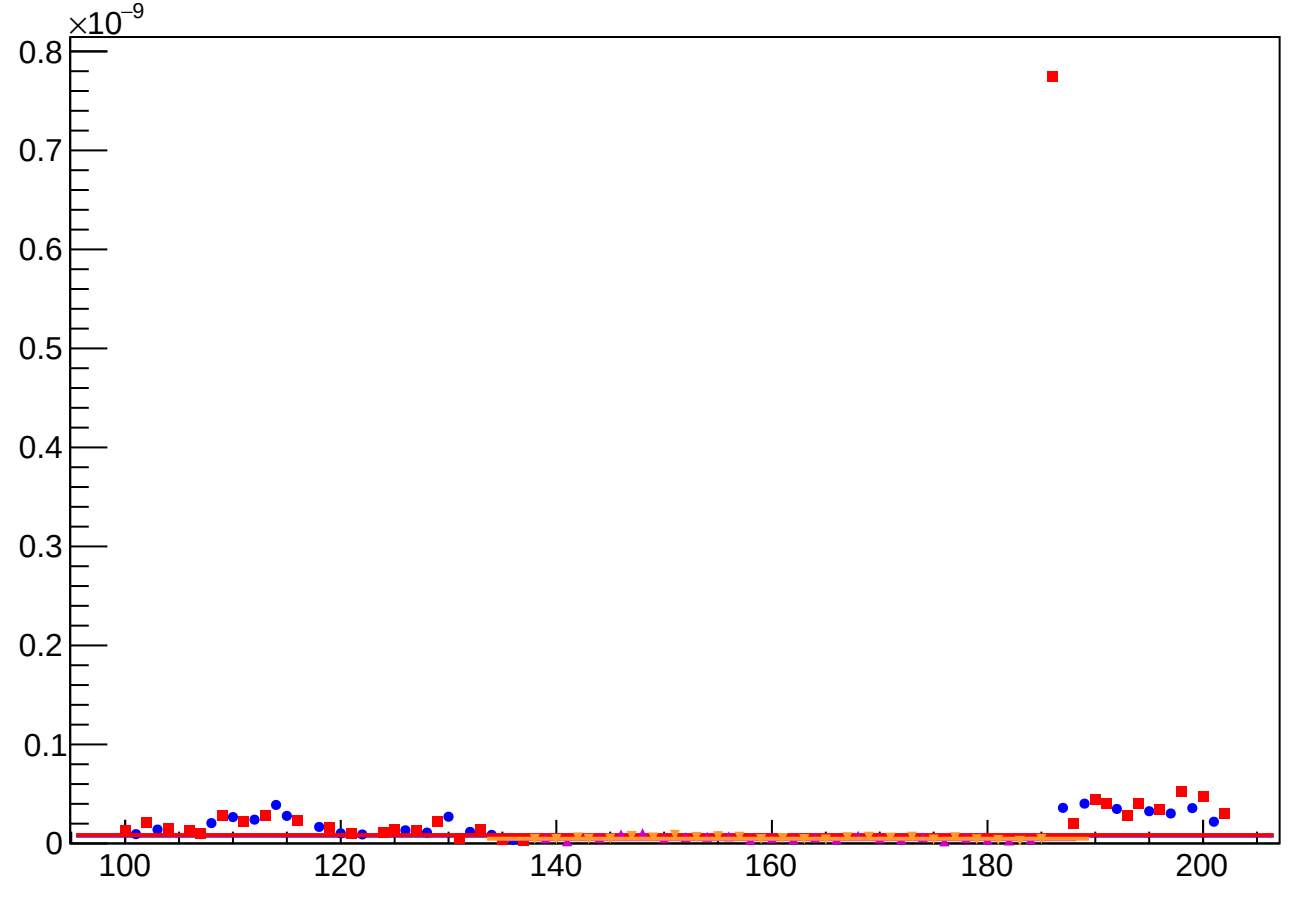
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 33.4/51

In: -0.000+/-0.000 χ^2/NDF:37.1/45

Out: -0.000+/-0.000 χ^2/NDF:32.8/53

All: -0.000+/-0.000 χ^2/NDF: 70.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 7343801.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10174846.7/28

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

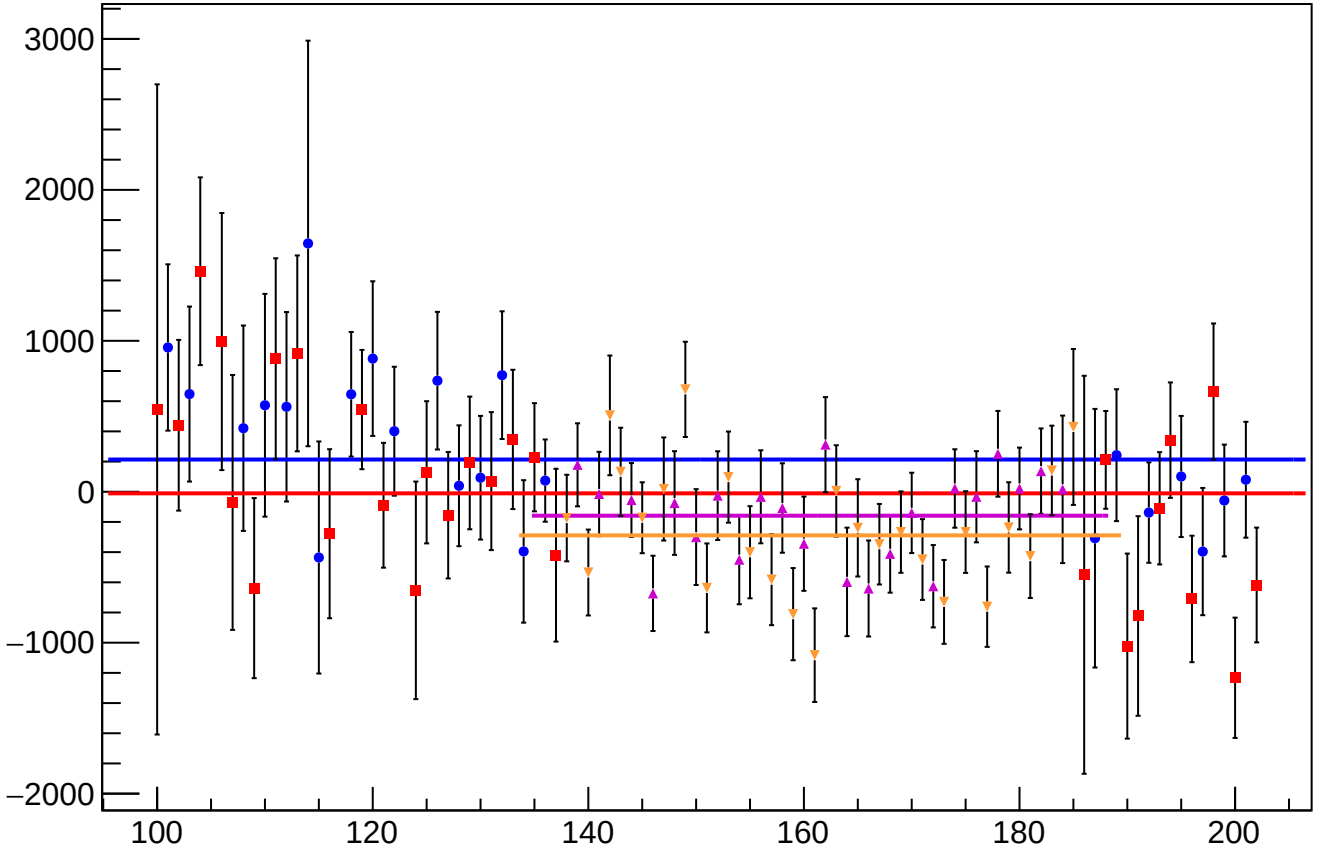
Right: 0.000+/-0.000 χ^2/NDF: 17538822.7/51

In: 0.000+/-0.000 χ^2/NDF:12559055.0/45

Out: 0.000+/-0.000 χ^2/NDF:13907584.6/53

All: 0.000+/-0.000 χ^2/NDF: 26618584.5/99

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 213.554+/-94.354 χ^2/NDF: 17.4/22

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -10.551+/-90.469 χ^2/NDF: 40.5/28

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

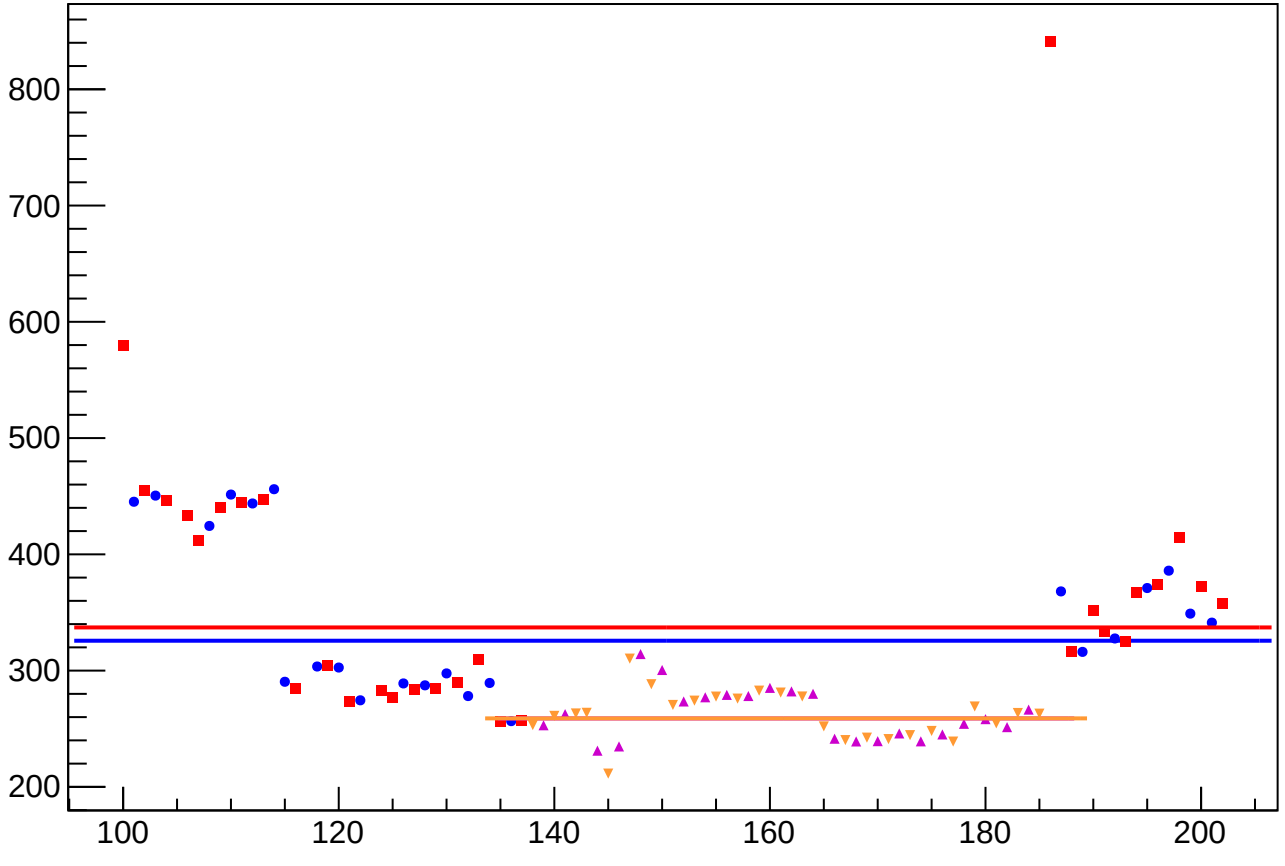
Right: 96.792+/-65.302 χ^2/NDF: 60.8/51

In: -49.646+/-51.053 χ^2/NDF:51.0/45

Out: -205.789+/-49.440 χ^2/NDF:89.5/53

All: -130.224+/-35.516 χ^2/NDF: 145.3/99

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 325.702+/-0.067 χ^2/NDF: 709726.4/22

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 337.135+/-0.064 χ^2/NDF: 1150630.1/28

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

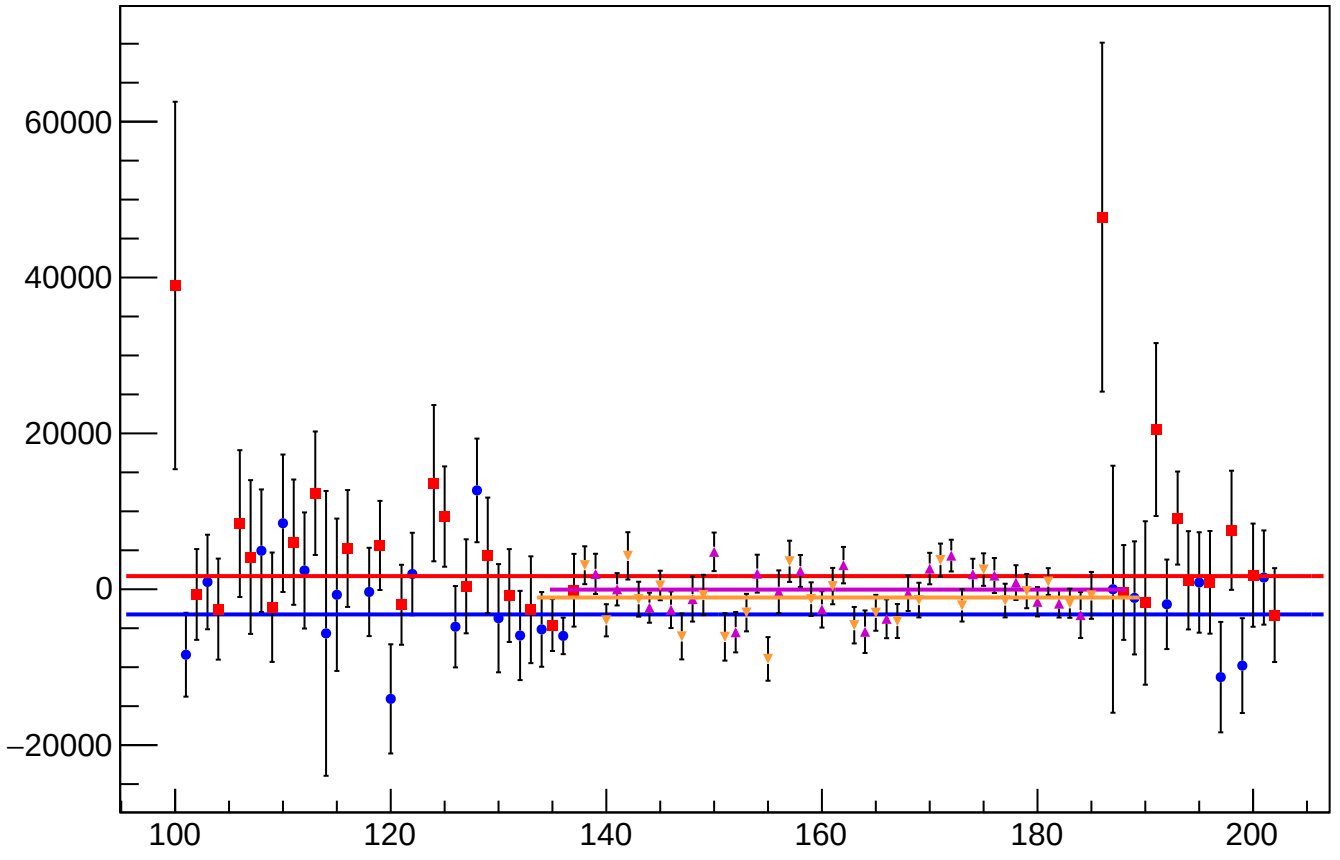
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 331.659+/-0.046 χ^2/NDF: 1875655.4/51

In: 278.417+/-0.036 χ^2/NDF:1664892.7/45

Out: 282.273+/-0.035 χ^2/NDF:2448031.9/53

All: 280.407+/-0.025 χ^2/NDF: 4118811.3/99



Right In: -3229.324+/-1197.533 χ^2/NDF: 19.7/22

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1689.122+/-1221.651 χ^2/NDF: 24.8/28

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

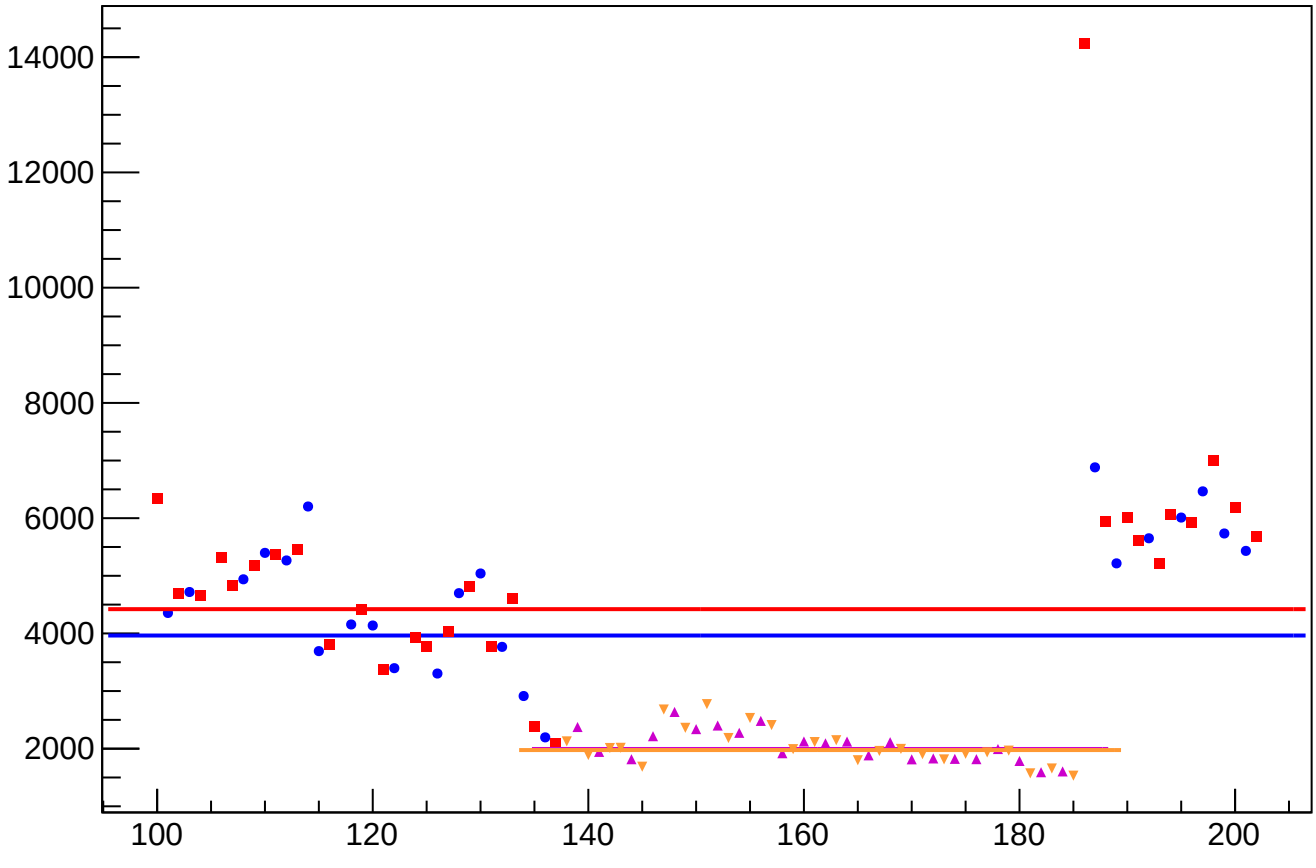
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -819.131+/-855.183 χ^2/NDF: 52.8/51

In: -470.566+/-438.075 χ^2/NDF:60.0/45

Out: -724.878+/-426.101 χ^2/NDF:70.7/53

All: -601.245+/-305.444 χ^2/NDF: 130.9/99



Right In: 3963.673+/-0.847 χ^2/NDF: 2623069.8/22

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4421.229+/-0.864 χ^2/NDF: 2848474.8/28

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

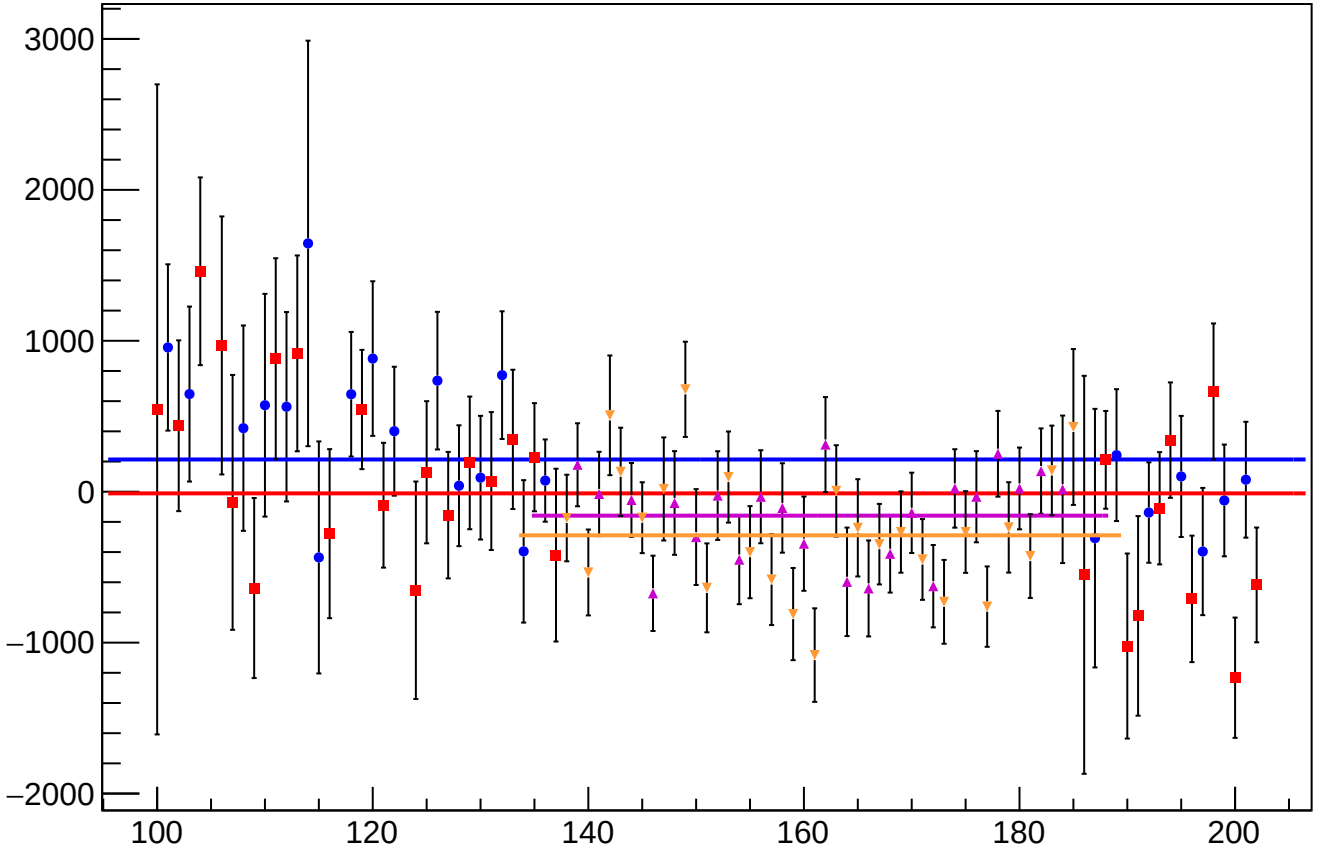
Right: 4187.890+/-0.605 χ^2/NDF: 5614621.3/51

In: 2258.241+/-0.310 χ^2/NDF:7905978.3/45

Out: 2273.446+/-0.301 χ^2/NDF:10649841.2/53

All: 2266.054+/-0.216 χ^2/NDF: 18557057.6/9

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 213.530+/-94.354 χ^2/NDF: 17.4/22

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -11.033+/-90.474 χ^2/NDF: 40.4/28

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

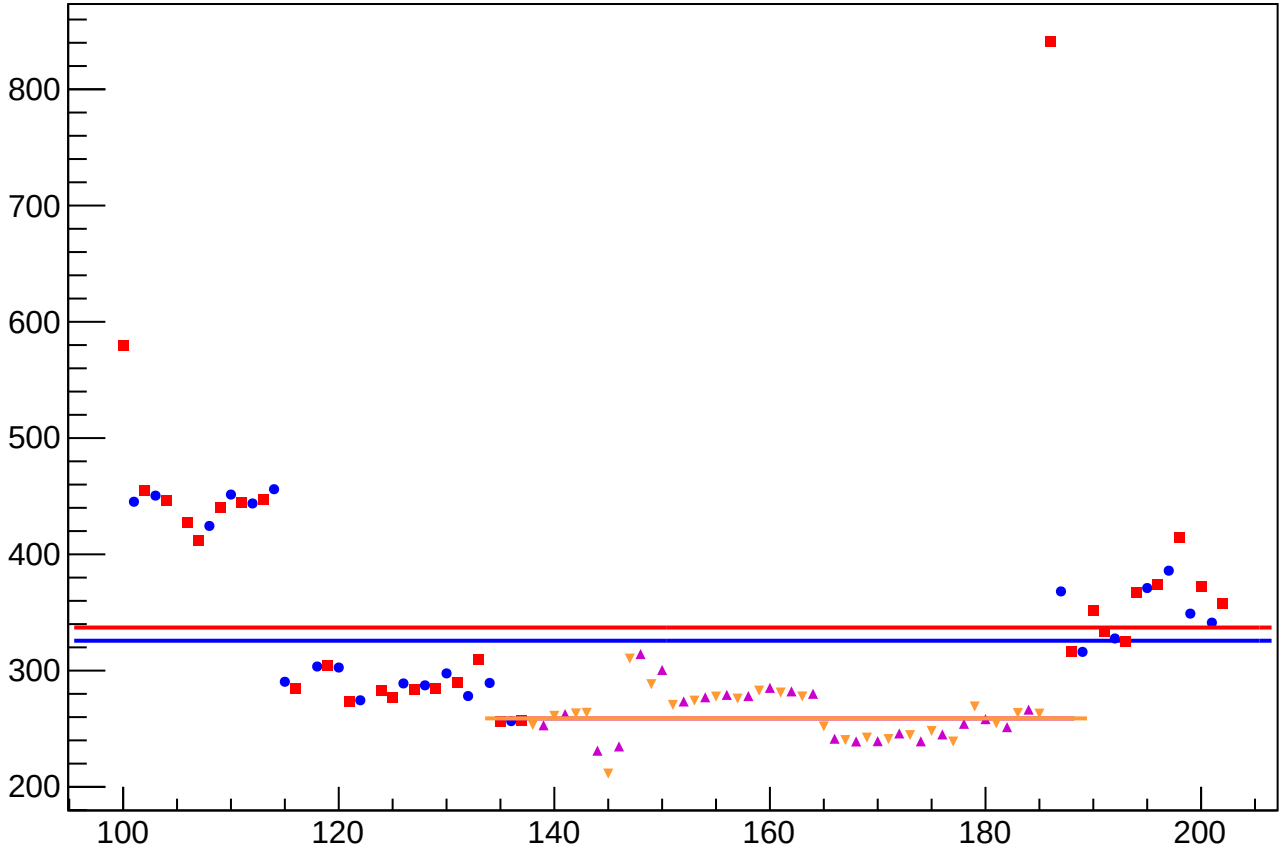
Right: 96.536+/-65.303 χ^2/NDF: 60.8/51

In: -49.661+/-51.053 χ^2/NDF:51.0/45

Out: -205.942+/-49.441 χ^2/NDF:89.4/53

All: -130.308+/-35.516 χ^2/NDF: 145.2/99

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 325.702+/-0.067 χ^2/NDF: 709727.7/22

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 337.053+/-0.064 χ^2/NDF: 1147169.0/28

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

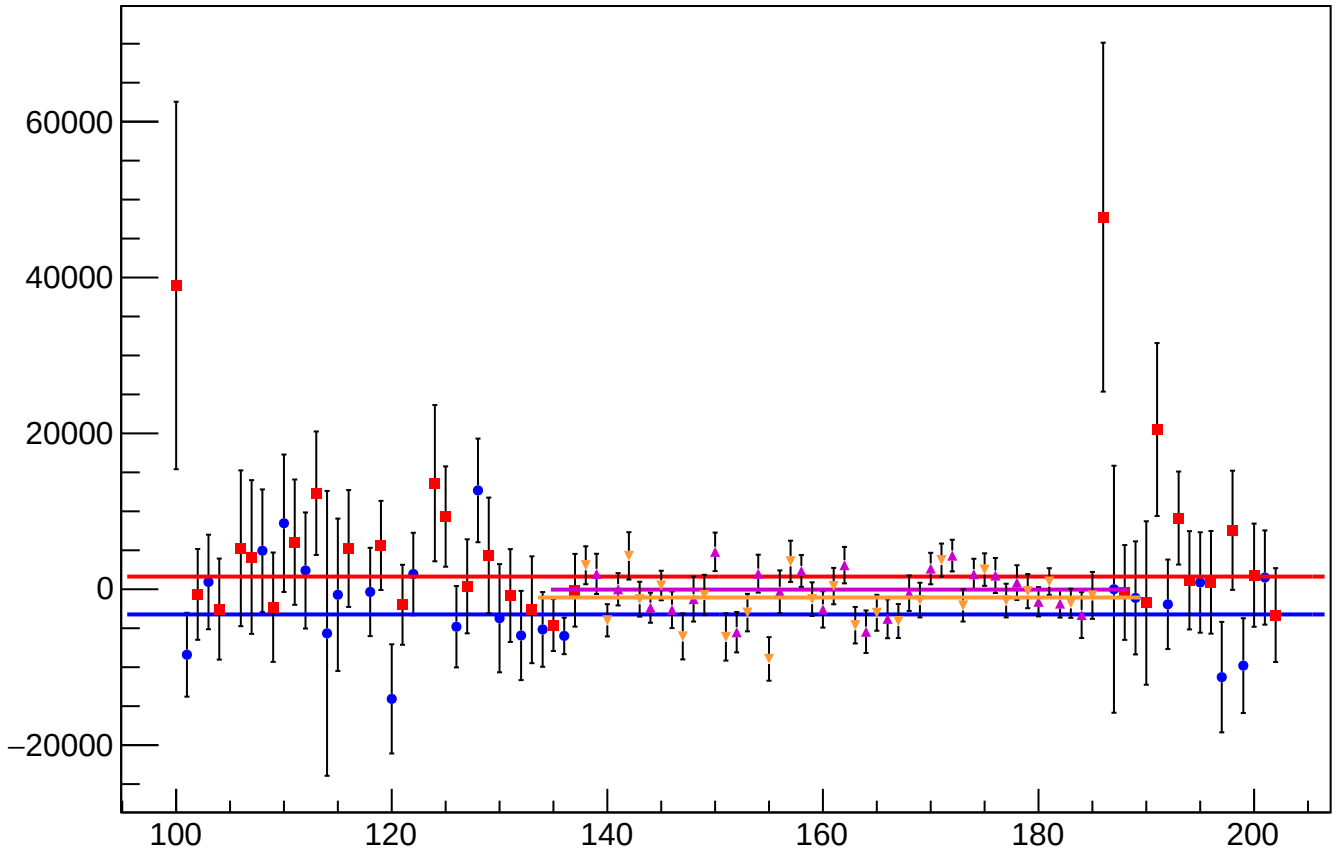
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 331.616+/-0.046 χ^2/NDF: 1871975.9/51

In: 278.417+/-0.036 χ^2/NDF:1664894.2/45

Out: 282.247+/-0.035 χ^2/NDF:2442293.4/53

All: 280.393+/-0.025 χ^2/NDF: 4112994.4/99



Right In: -3229.274+/-1197.535 χ^2/NDF: 19.7/22

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1629.476+/-1222.826 χ^2/NDF: 24.4/28

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

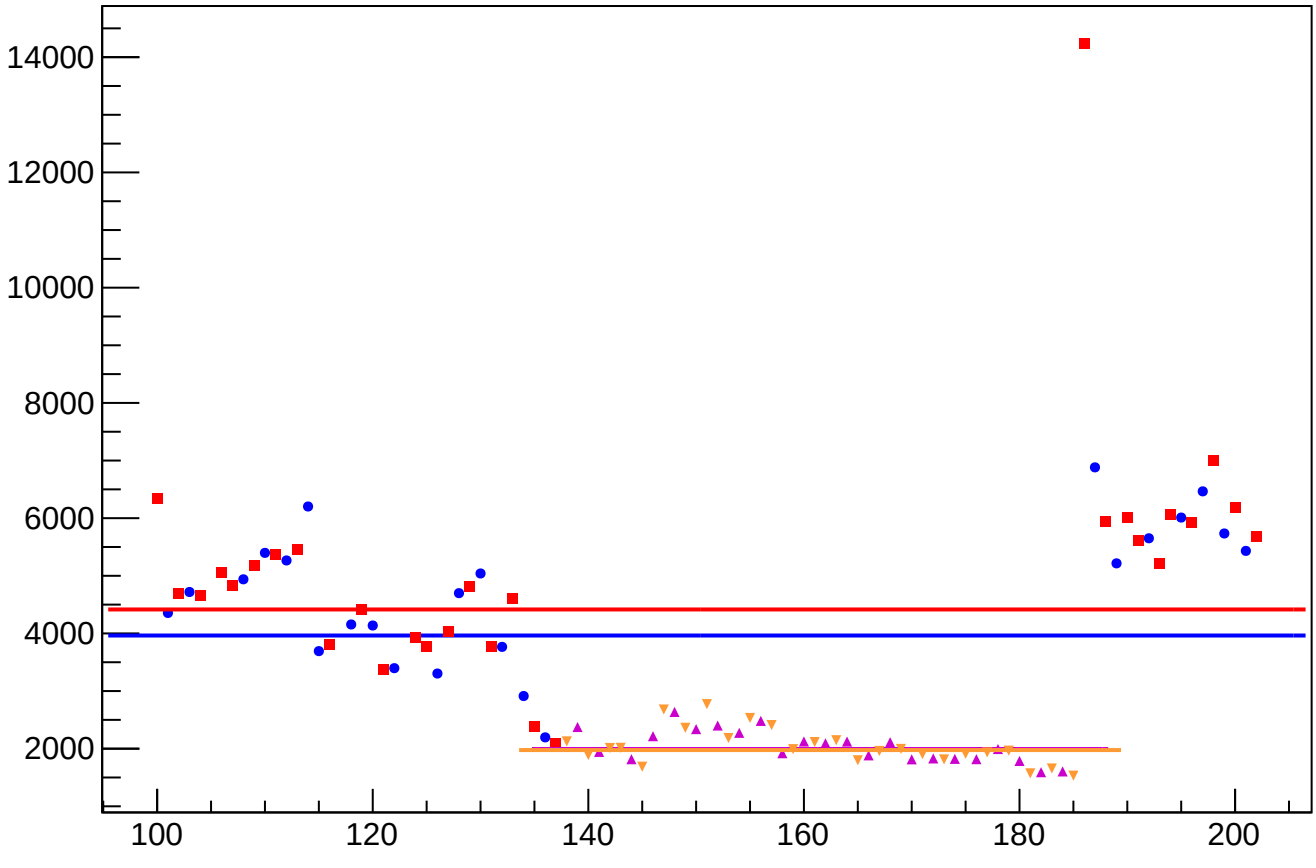
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -850.664+/-855.586 χ^2/NDF: 52.2/51

In: -470.555+/-438.075 χ^2/NDF:60.0/45

Out: -732.689+/-426.151 χ^2/NDF:70.1/53

All: -605.238+/-305.463 χ^2/NDF: 130.4/99



Right In: 3963.678+/-0.847 χ^2/NDF: 2623080.4/22

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4415.977+/-0.865 χ^2/NDF: 2838977.6/28

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

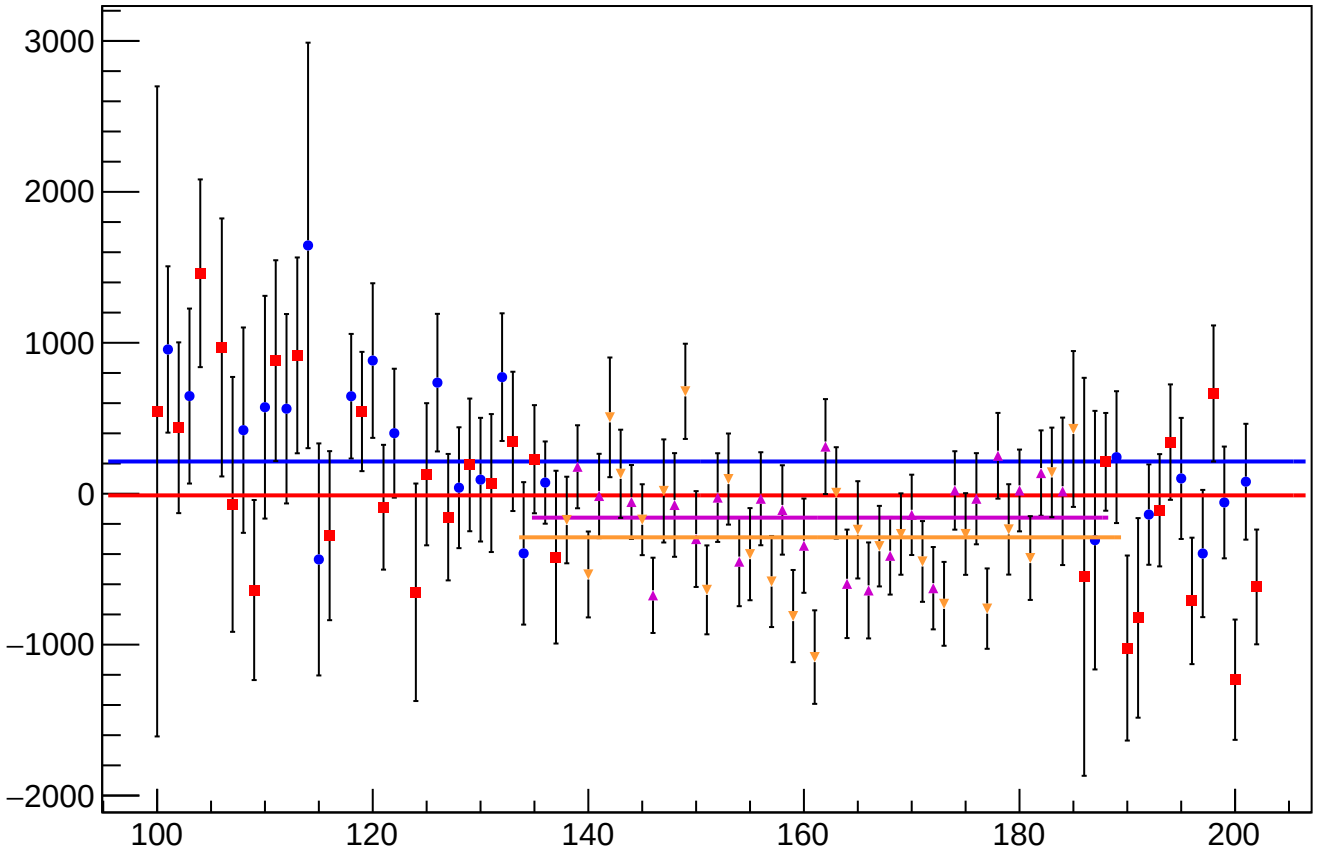
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4185.101+/-0.605 χ^2/NDF: 5601728.3/51

In: 2258.241+/-0.310 χ^2/NDF:7905998.9/45

Out: 2272.306+/-0.301 χ^2/NDF:10598314.6/53

All: 2265.467+/-0.216 χ^2/NDF: 18505372.9/9



Right In: 213.530+/-94.354 χ^2/NDF: 17.4/22

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -11.033+/-90.474 χ^2/NDF: 40.4/28

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

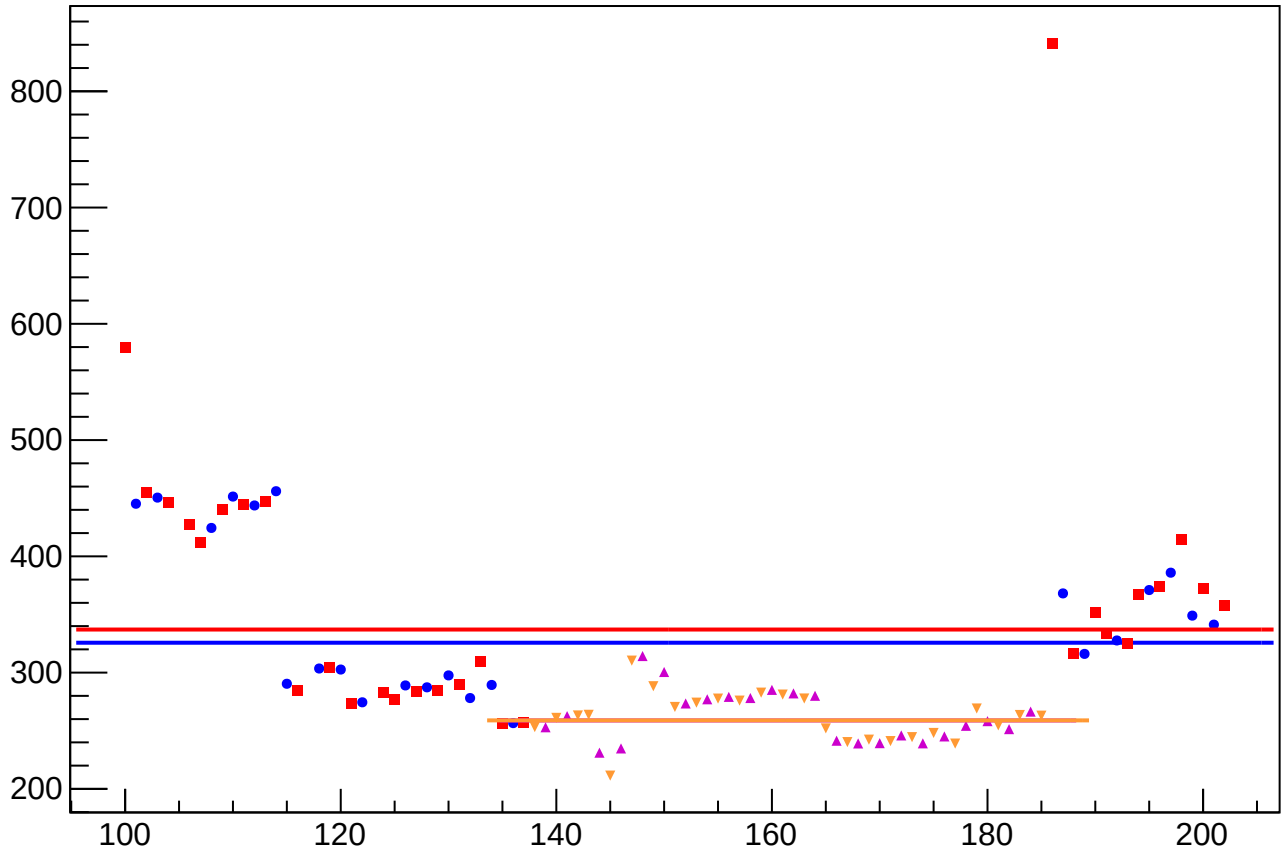
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 96.536+/-65.303 χ^2/NDF: 60.8/51

In: -49.661+/-51.053 χ^2/NDF:51.0/45

Out: -205.942+/-49.441 χ^2/NDF:89.4/53

All: -130.308+/-35.516 χ^2/NDF: 145.2/99



Right In: 325.702+/-0.067 χ^2/NDF: 709727.7/22

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 337.053+/-0.064 χ^2/NDF: 1147169.0/28

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

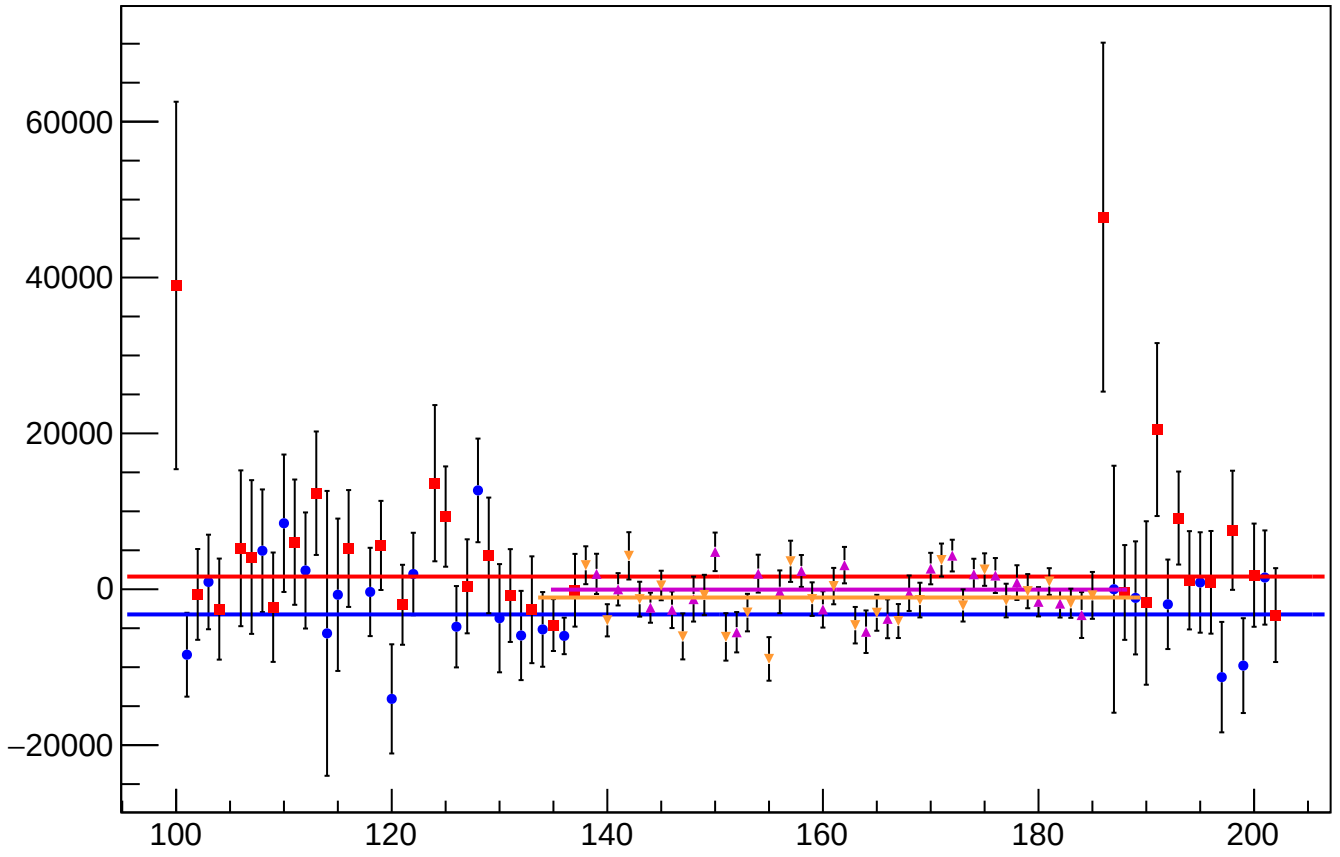
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 331.616+/-0.046 χ^2/NDF: 1871975.9/51

In: 278.417+/-0.036 χ^2/NDF:1664894.2/45

Out: 282.247+/-0.035 χ^2/NDF:2442293.4/53

All: 280.393+/-0.025 χ^2/NDF: 4112994.4/99



Right In: -3229.274+/-1197.535 χ^2/NDF: 19.7/22

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1629.476+/-1222.826 χ^2/NDF: 24.4/28

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

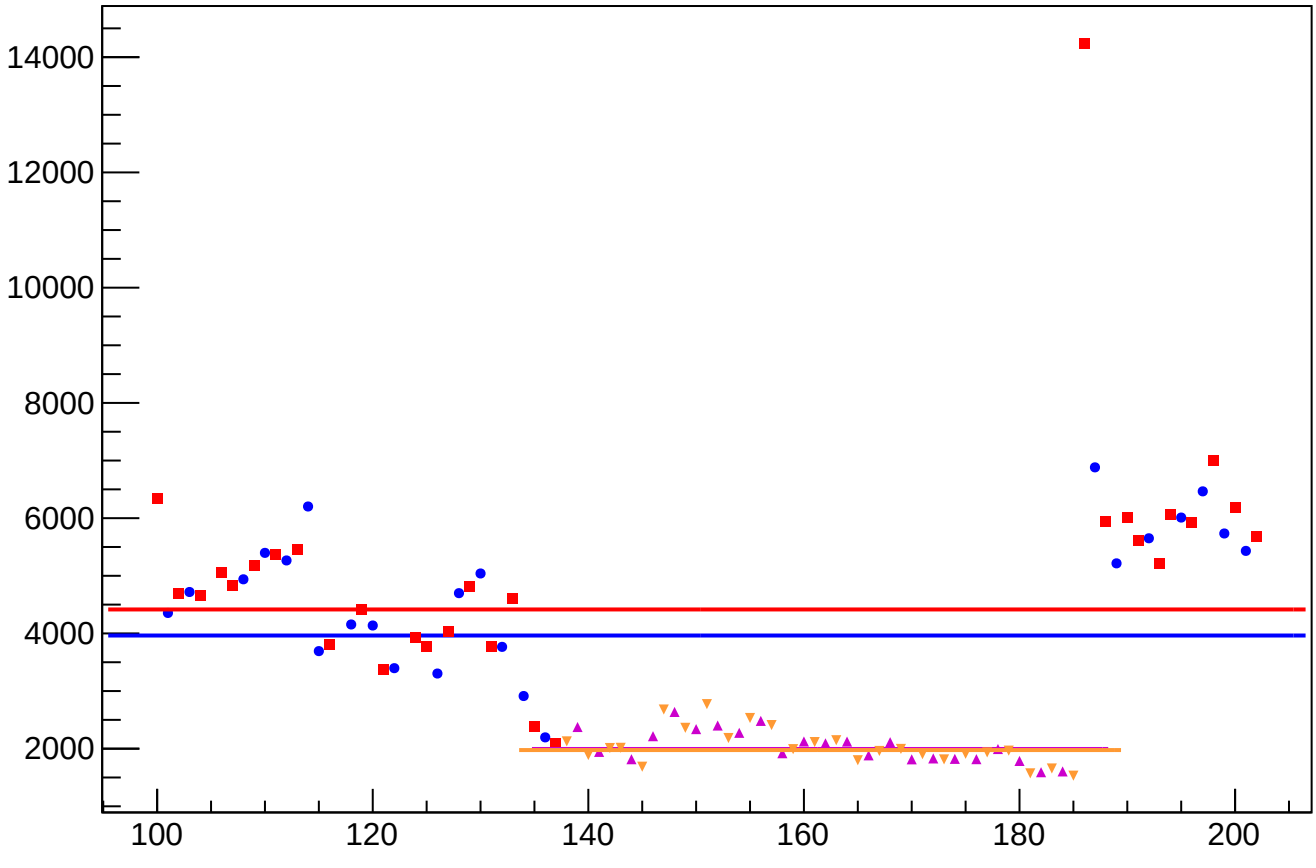
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -850.664+/-855.586 χ^2/NDF: 52.2/51

In: -470.555+/-438.075 χ^2/NDF:60.0/45

Out: -732.689+/-426.151 χ^2/NDF:70.1/53

All: -605.238+/-305.463 χ^2/NDF: 130.4/99



Right In: 3963.678+/-0.847 χ^2/NDF: 2623080.4/22

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4415.977+/-0.865 χ^2/NDF: 2838977.6/28

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

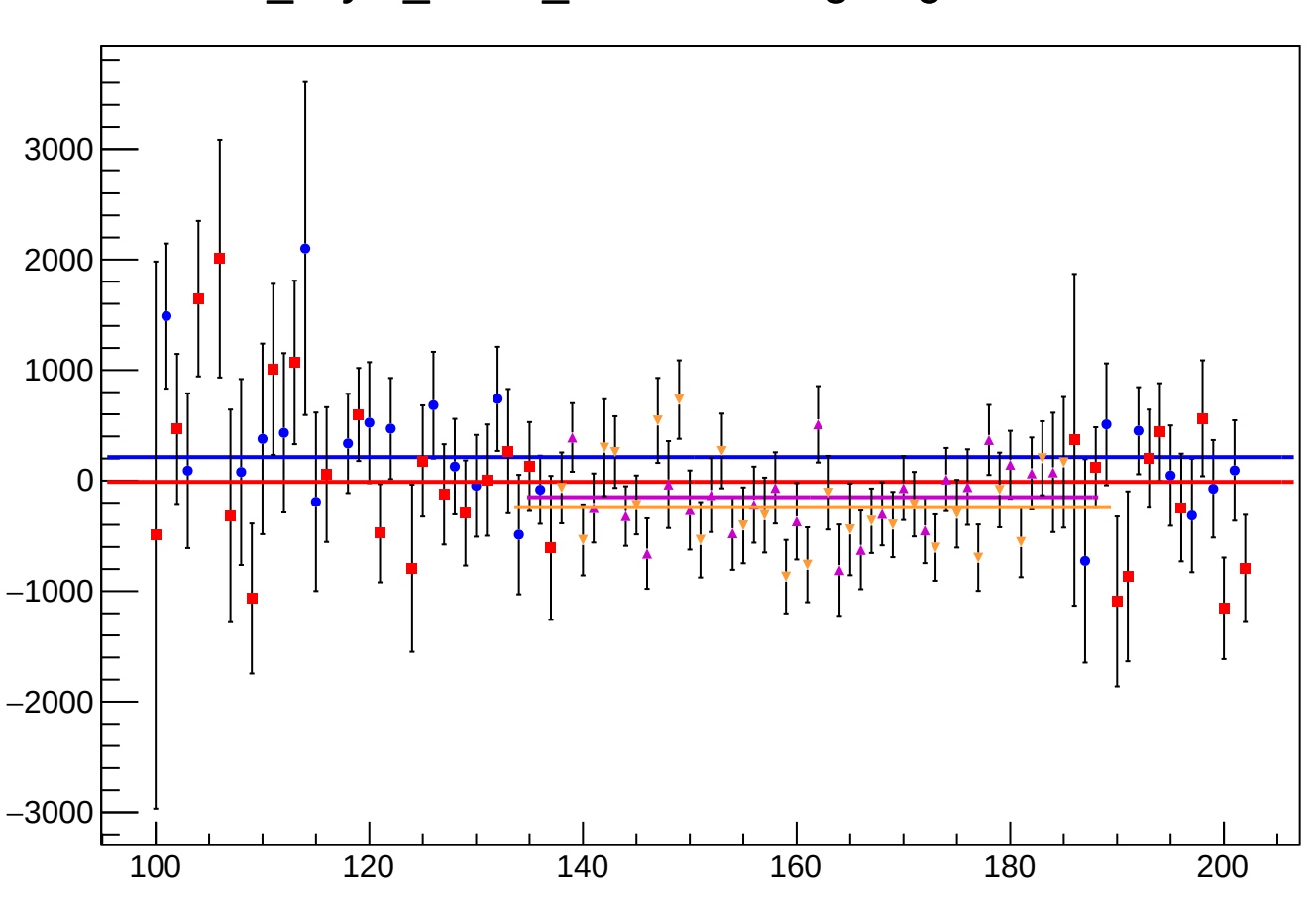
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4185.101+/-0.605 χ^2/NDF: 5601728.3/51

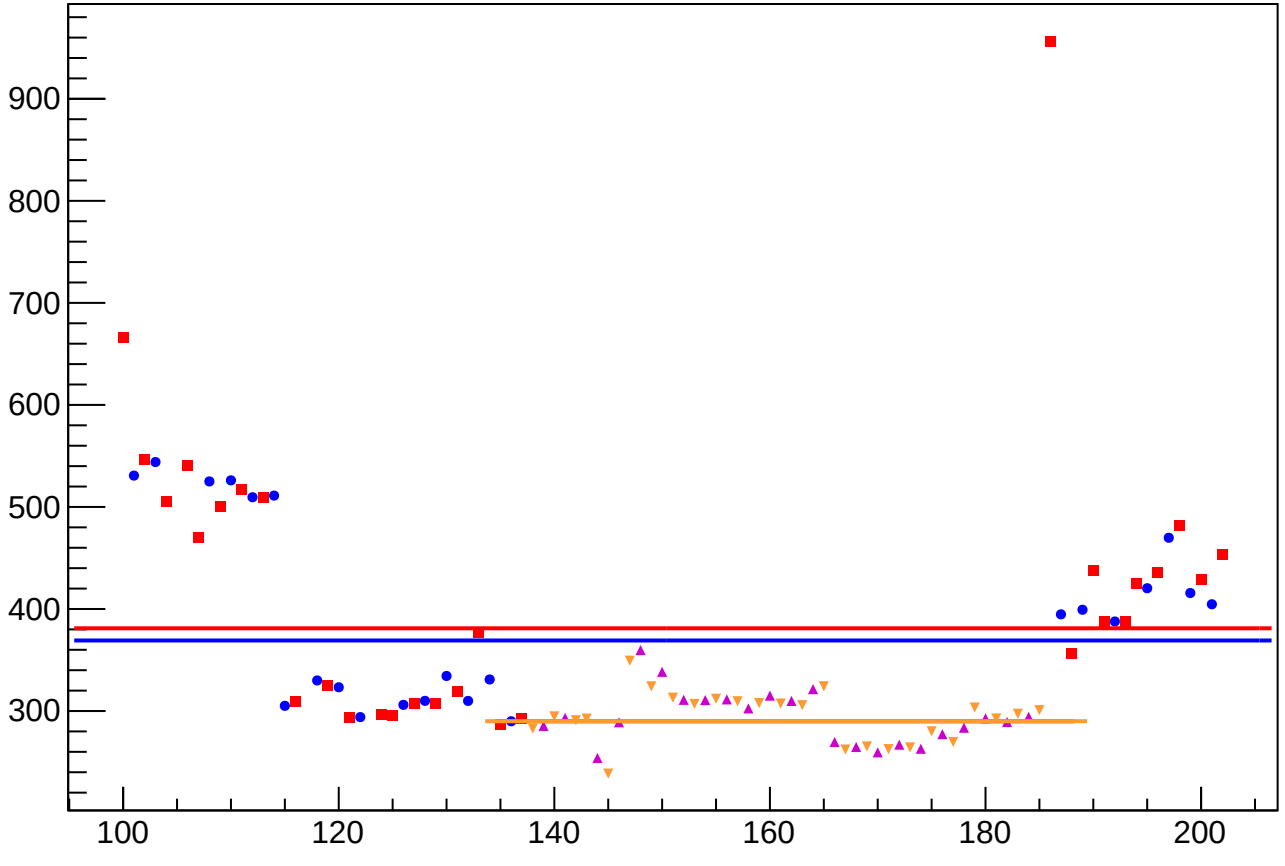
In: 2258.241+/-0.310 χ^2/NDF:7905998.9/45

Out: 2272.306+/-0.301 χ^2/NDF:10598314.6/53

All: 2265.467+/-0.216 χ^2/NDF: 18505372.9/9


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
Right In: 212.719+/-107.525 χ²/NDF: 15.0/22
Left Out: -239.549+/-66.167 χ²/NDF:34.0/24
Right Out: -11.476+/-102.907 χ²/NDF: 36.9/28
Left In: -149.516+/-68.160 χ²/NDF:21.7/22
Left: -195.868+/-47.476 χ²/NDF: 56.6/47
Right: 95.704+/-74.345 χ²/NDF: 54.2/51
In: -45.684+/-57.568 χ²/NDF:44.8/45
Out: -172.838+/-55.655 χ²/NDF:74.4/53
All: -111.408+/-40.013 χ²/NDF: 121.8/99

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 369.141+/-0.076 χ^2/NDF: 976208.2/22

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 381.072+/-0.073 χ^2/NDF: 1452947.5/28

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

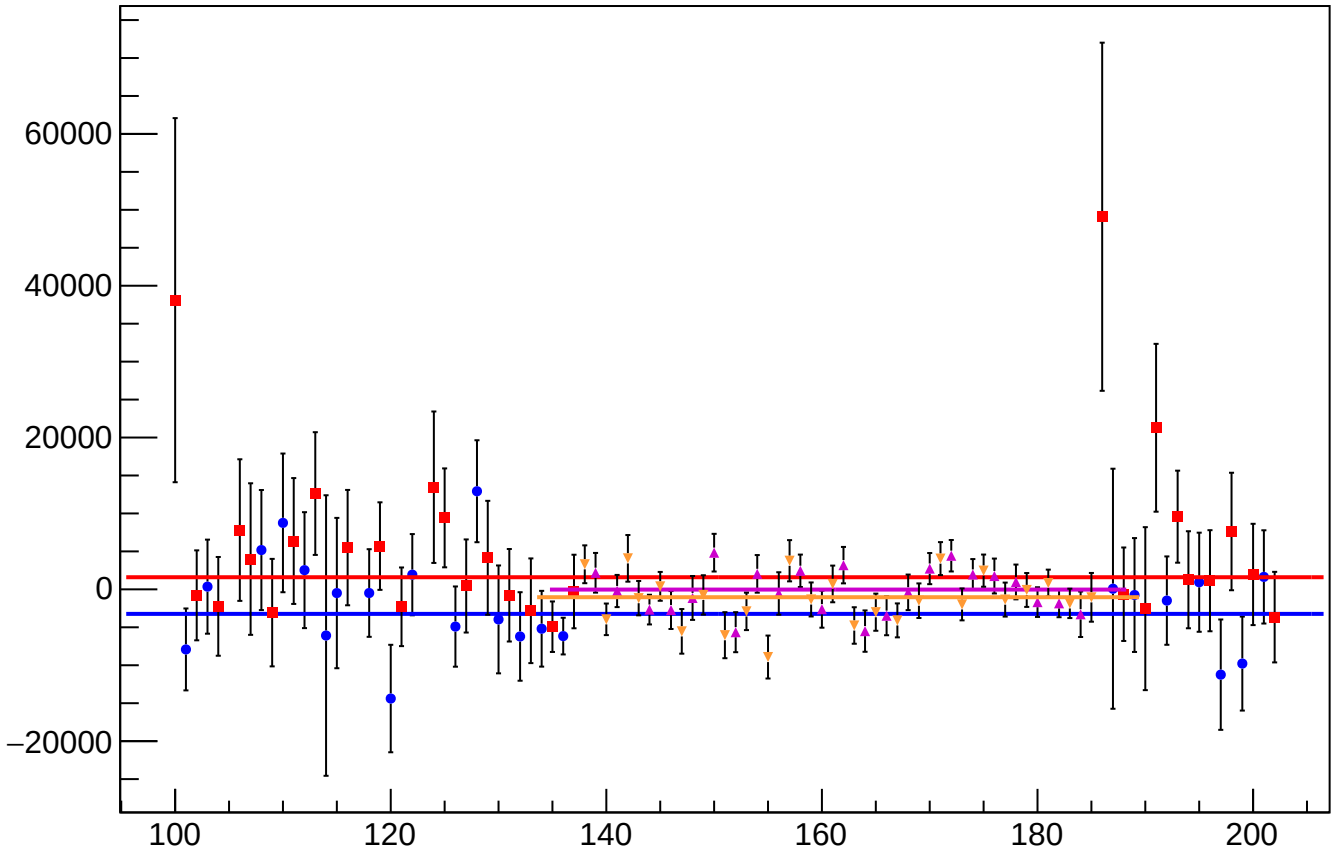
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 375.368+/-0.053 χ^2/NDF: 2442009.7/51

In: 312.643+/-0.041 χ^2/NDF:2019919.4/45

Out: 316.655+/-0.039 χ^2/NDF:2841303.7/53

All: 314.717+/-0.028 χ^2/NDF: 4866242.9/99



Right In: -3232.548+/-1223.316 χ^2/NDF: 19.6/22

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1595.721+/-1235.321 χ^2/NDF: 25.7/28

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

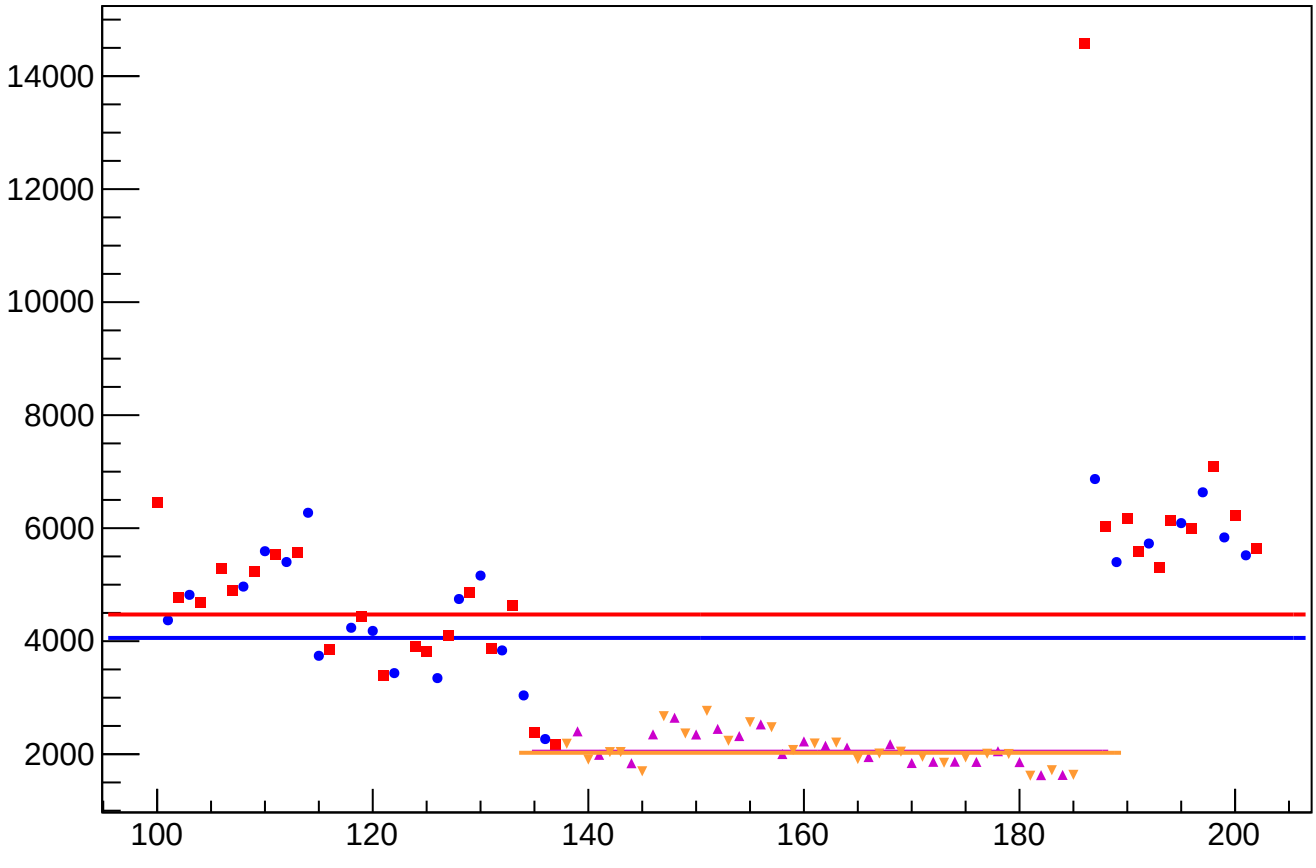
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -841.989+/-869.228 χ^2/NDF: 53.1/51

In: -461.140+/-448.672 χ^2/NDF:59.7/45

Out: -709.504+/-435.455 χ^2/NDF:70.0/53

All: -589.034+/-312.481 χ^2/NDF: 129.8/99



Right In: 4057.553+/-0.865 χ^2/NDF: 2544968.2/22

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4472.426+/-0.874 χ^2/NDF: 2838477.9/28

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

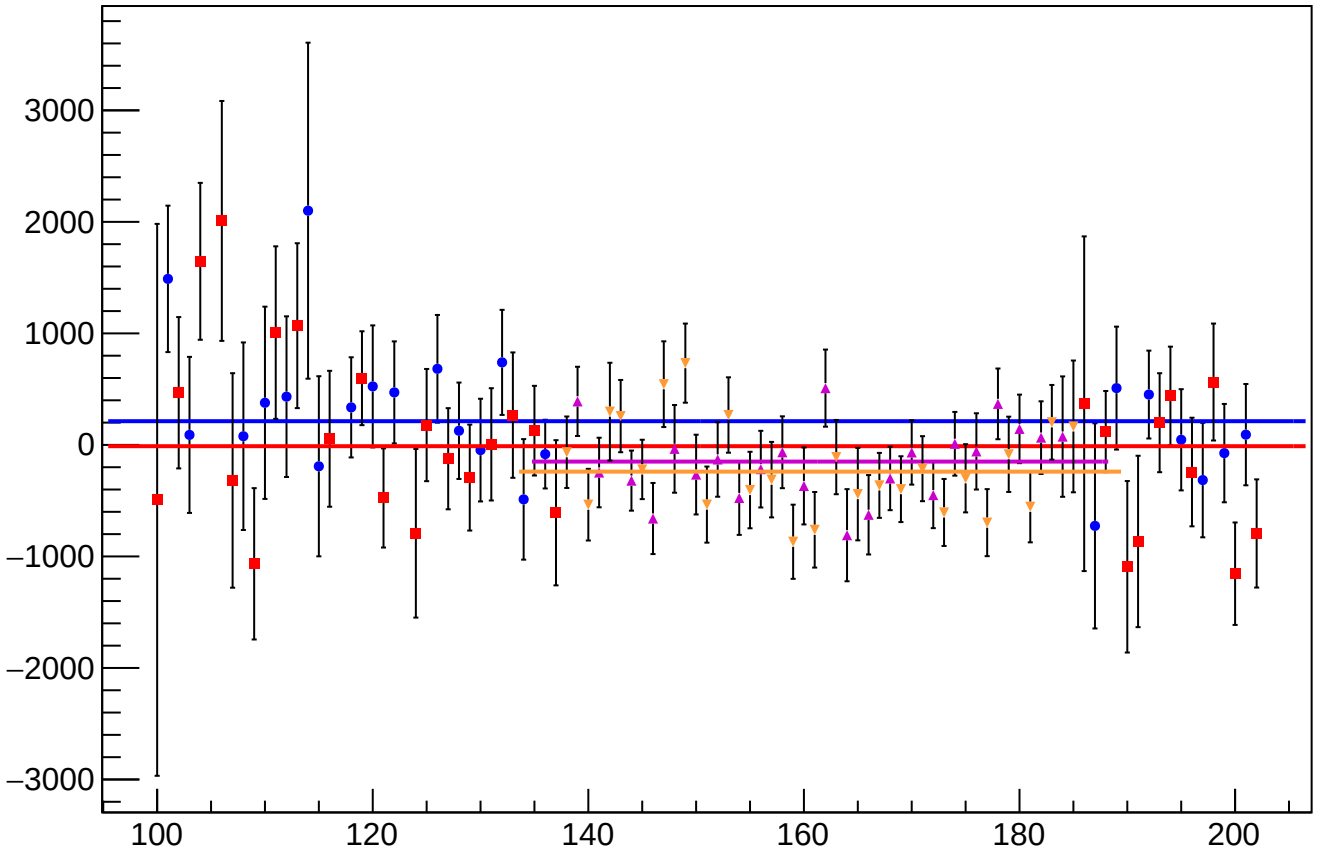
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4262.964+/-0.615 χ^2/NDF: 5497337.4/51

In: 2315.311+/-0.317 χ^2/NDF:7817067.8/45

Out: 2329.188+/-0.308 χ^2/NDF:10413704.5/53

All: 2322.457+/-0.221 χ^2/NDF: 18231757.5/9



Right In: 212.722+/-107.524 χ^2/NDF: 15.0/22

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -11.474+/-102.907 χ^2/NDF: 36.9/28

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

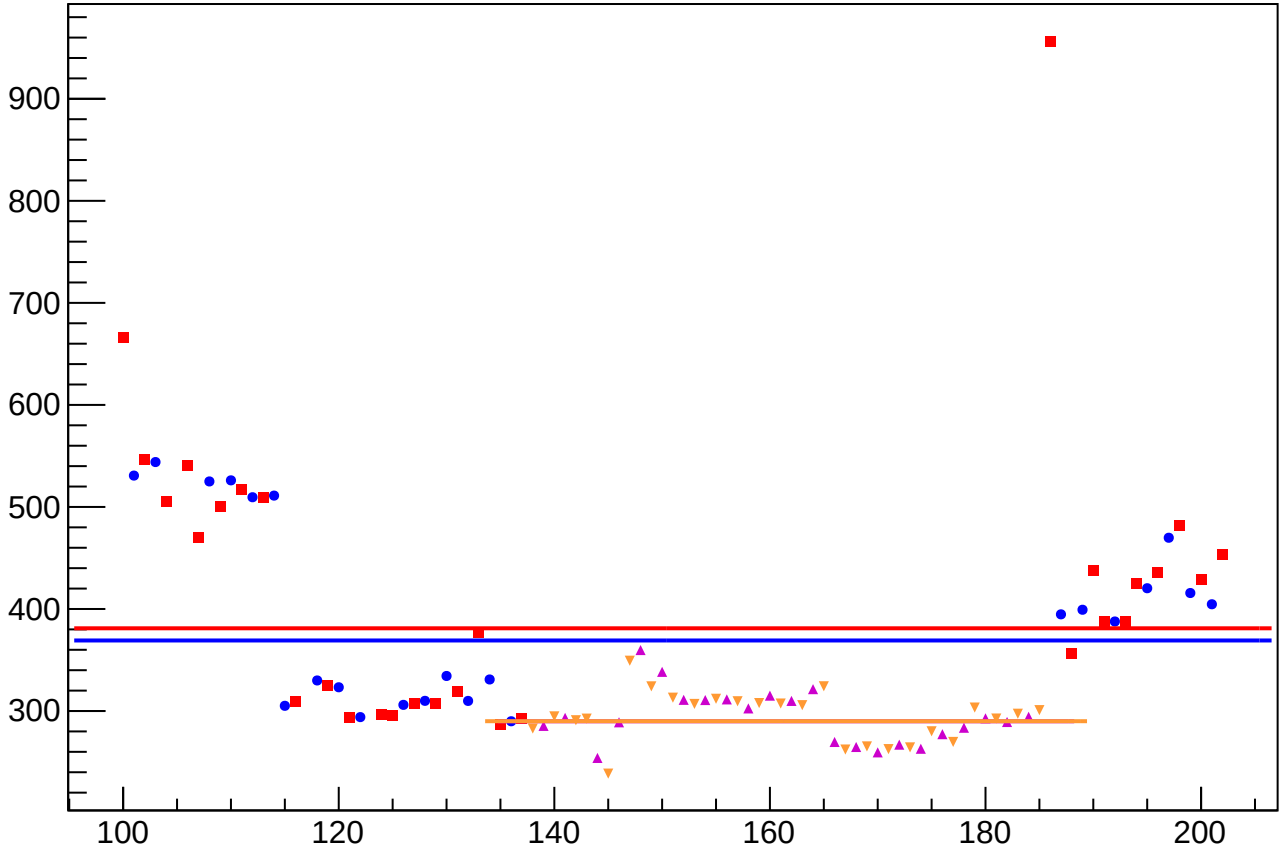
Right: 95.706+/-74.345 χ^2/NDF: 54.2/51

In: -45.683+/-57.568 χ^2/NDF:44.8/45

Out: -172.840+/-55.655 χ^2/NDF:74.4/53

All: -111.409+/-40.013 χ^2/NDF: 121.8/99

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 369.139+/-0.076 χ^2/NDF: 976210.5/22

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 381.072+/-0.073 χ^2/NDF: 1452944.5/28

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

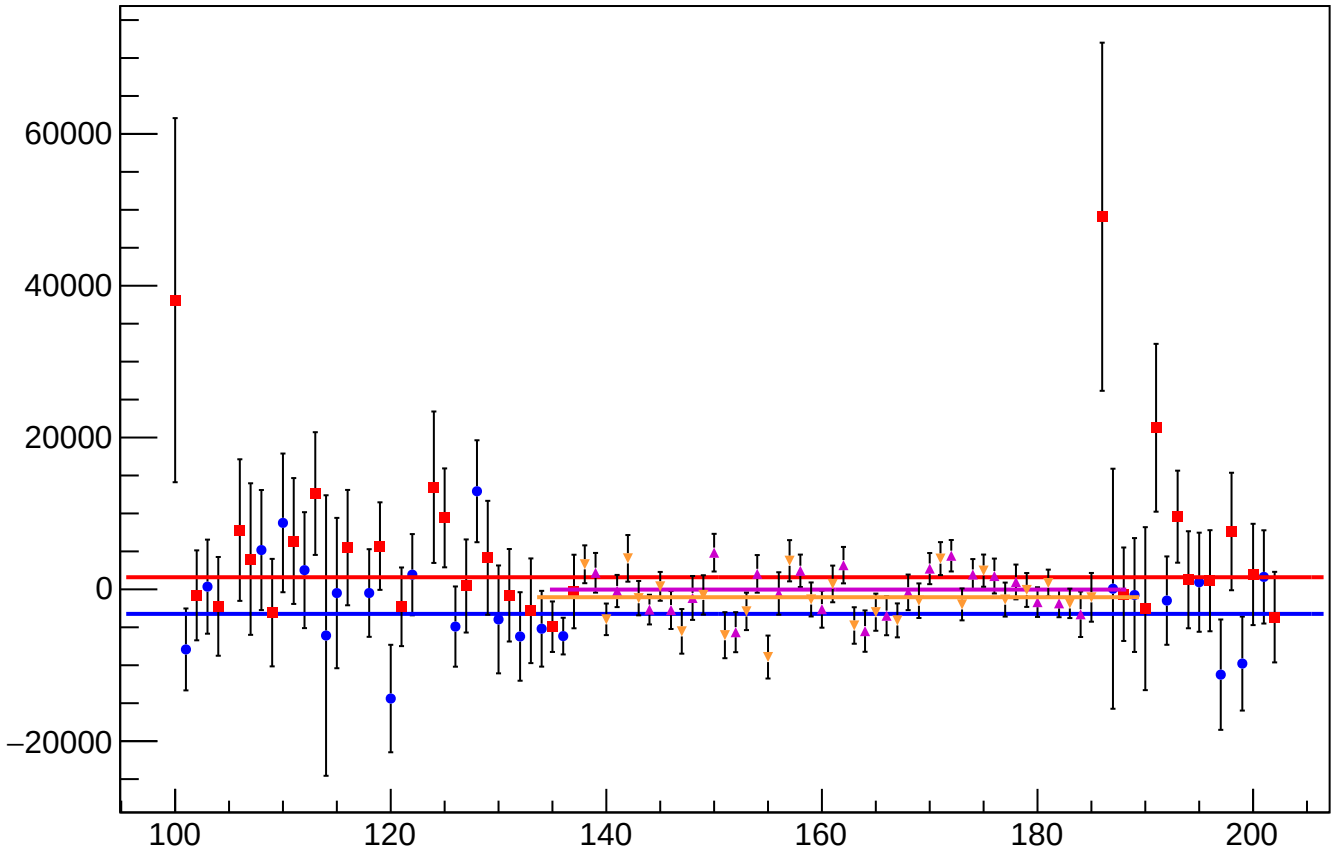
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 375.367+/-0.053 χ^2/NDF: 2442010.7/51

In: 312.643+/-0.041 χ^2/NDF:2019899.3/45

Out: 316.655+/-0.039 χ^2/NDF:2841289.2/53

All: 314.717+/-0.028 χ^2/NDF: 4866208.9/99



Right In: -3232.542+/-1223.314 χ^2/NDF: 19.6/22

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1595.724+/-1235.320 χ^2/NDF: 25.7/28

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

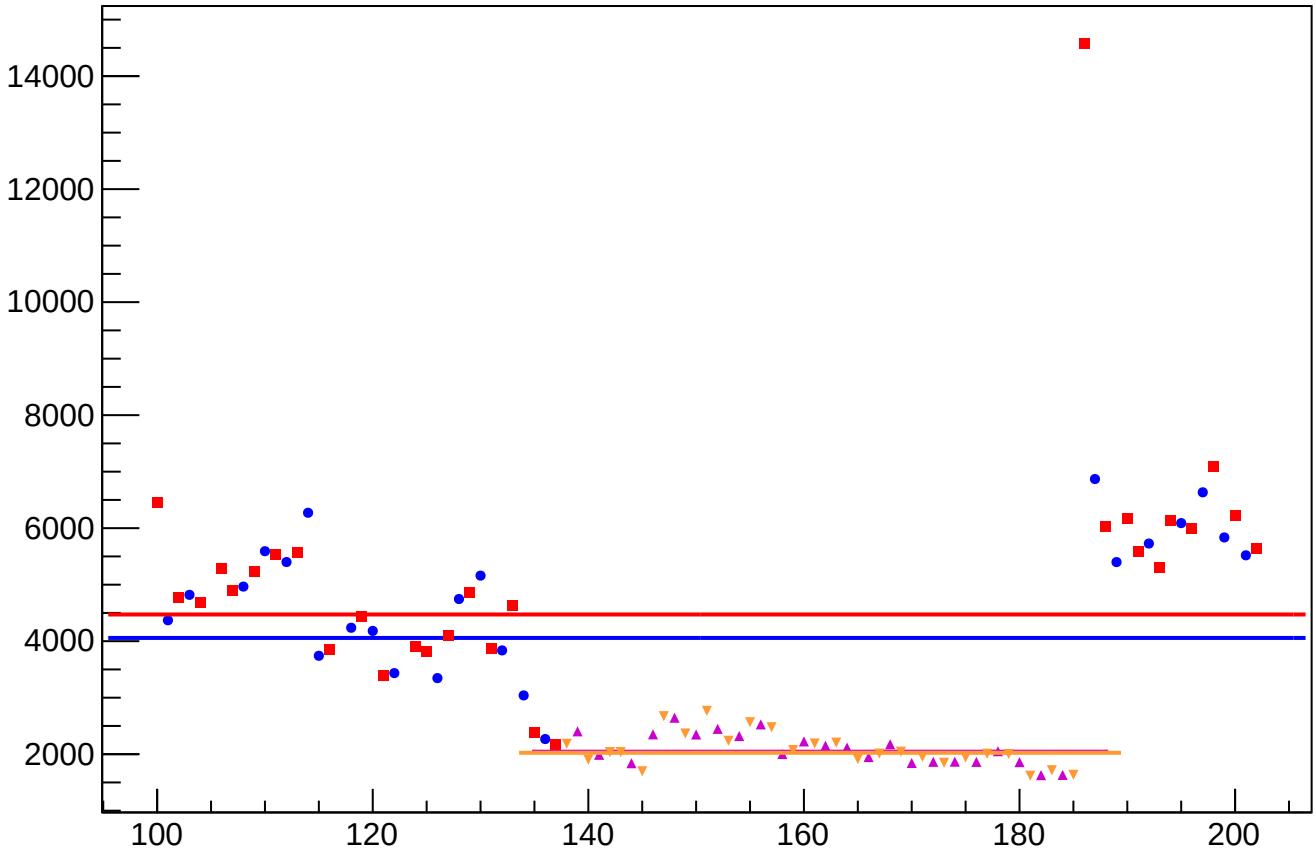
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -841.984+/-869.227 χ^2/NDF: 53.1/51

In: -461.139+/-448.672 χ^2/NDF:59.7/45

Out: -709.503+/-435.455 χ^2/NDF:70.0/53

All: -589.033+/-312.481 χ^2/NDF: 129.8/99



Right In: 4057.549+/-0.865 χ^2/NDF: 2544958.4/22

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4472.421+/-0.874 χ^2/NDF: 2838475.1/28

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

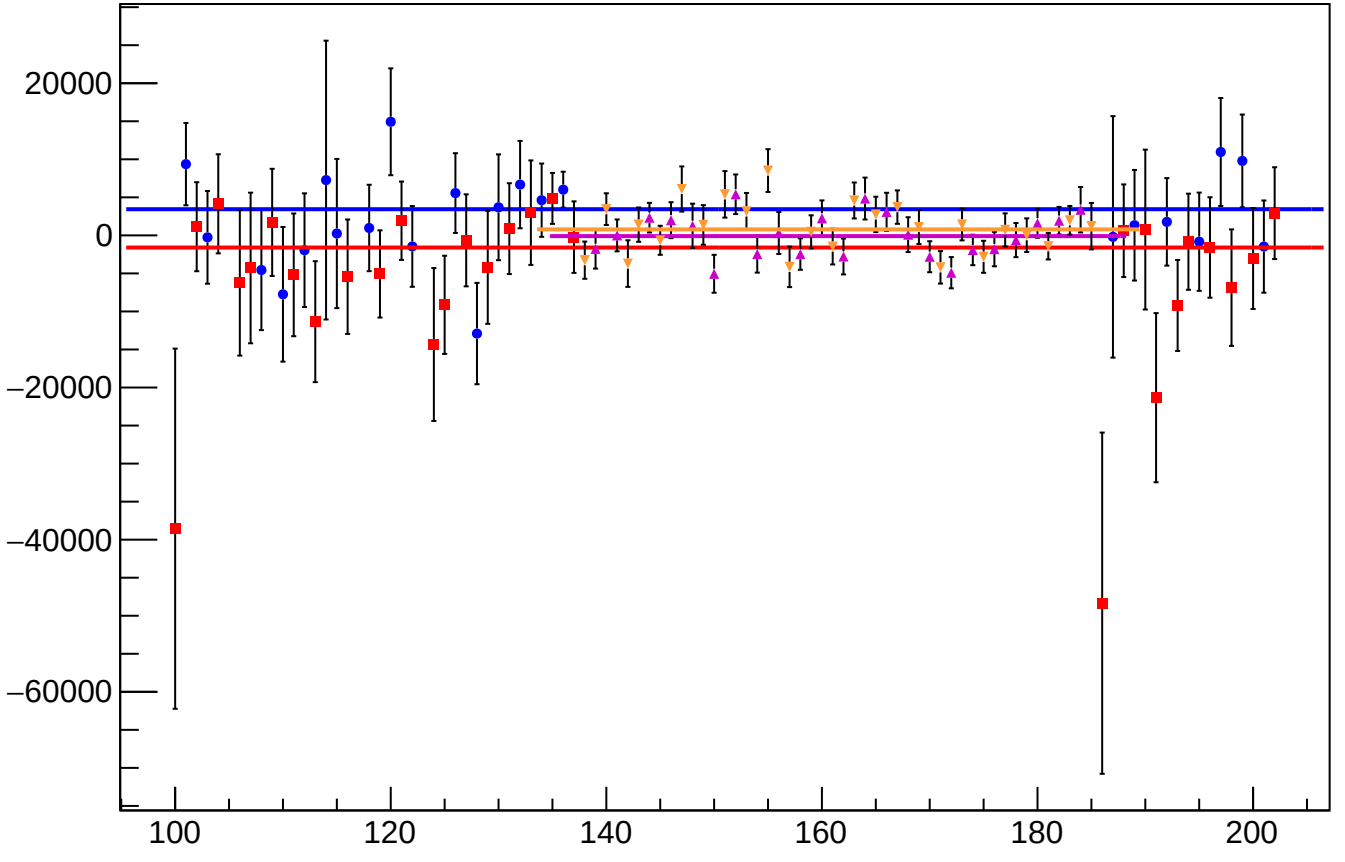
Right: 4262.960+/-0.615 χ^2/NDF: 5497324.5/51

In: 2315.311+/-0.317 χ^2/NDF:7817054.5/45

Out: 2329.189+/-0.308 χ^2/NDF:10413690.8/53

All: 2322.457+/-0.221 χ^2/NDF: 18231730.6/9

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3440.119+/-1202.570 χ^2/NDF: 19.8/22

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1597.883+/-1226.133 χ^2/NDF: 24.7/28

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

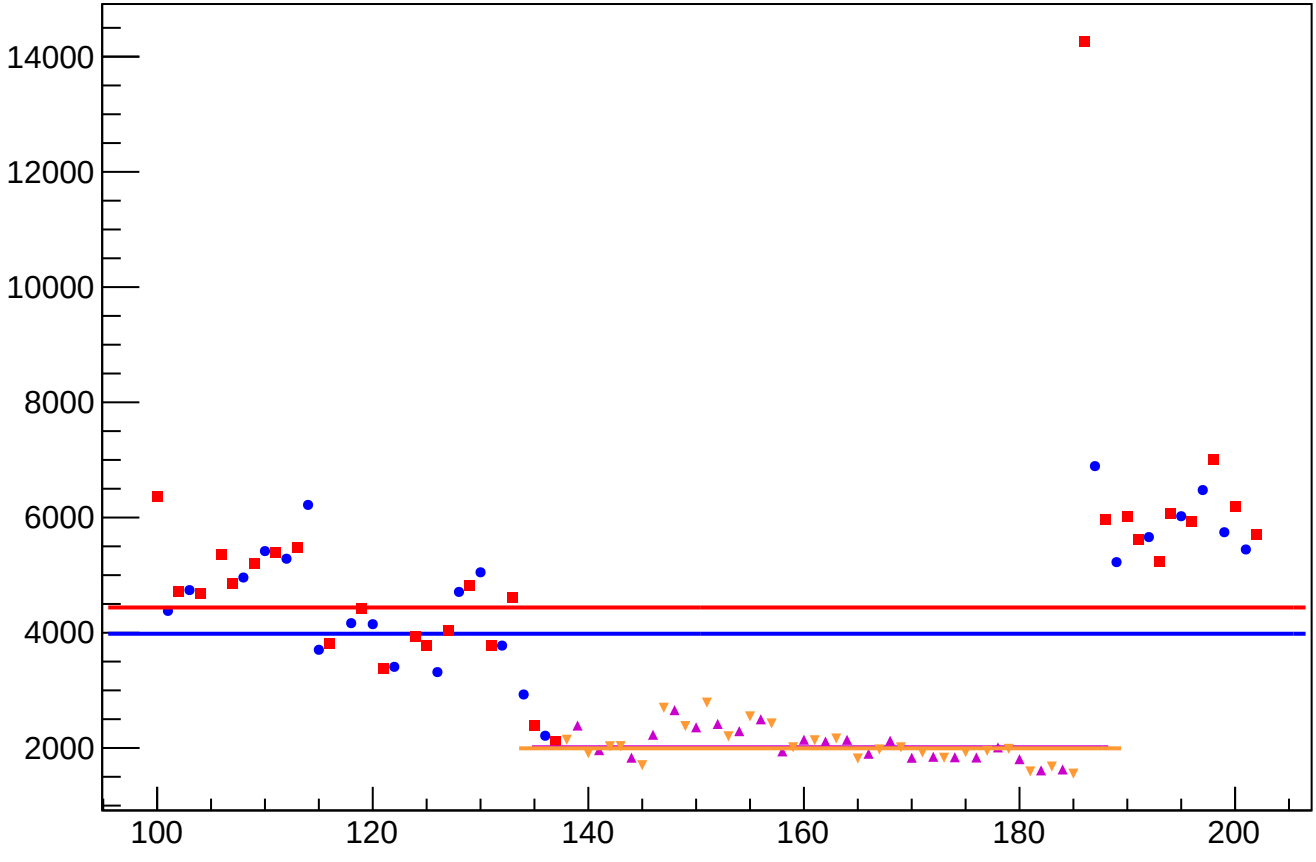
Right: 969.991+/-858.555 χ^2/NDF: 53.2/51

In: 380.297+/-441.645 χ^2/NDF:60.2/45

Out: 495.336+/-429.642 χ^2/NDF:69.3/53

All: 439.401+/-307.959 χ^2/NDF: 129.5/99

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3982.973+/-0.850 χ^2/NDF: 2595604.2/22

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4438.838+/-0.867 χ^2/NDF: 2826485.7/28

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

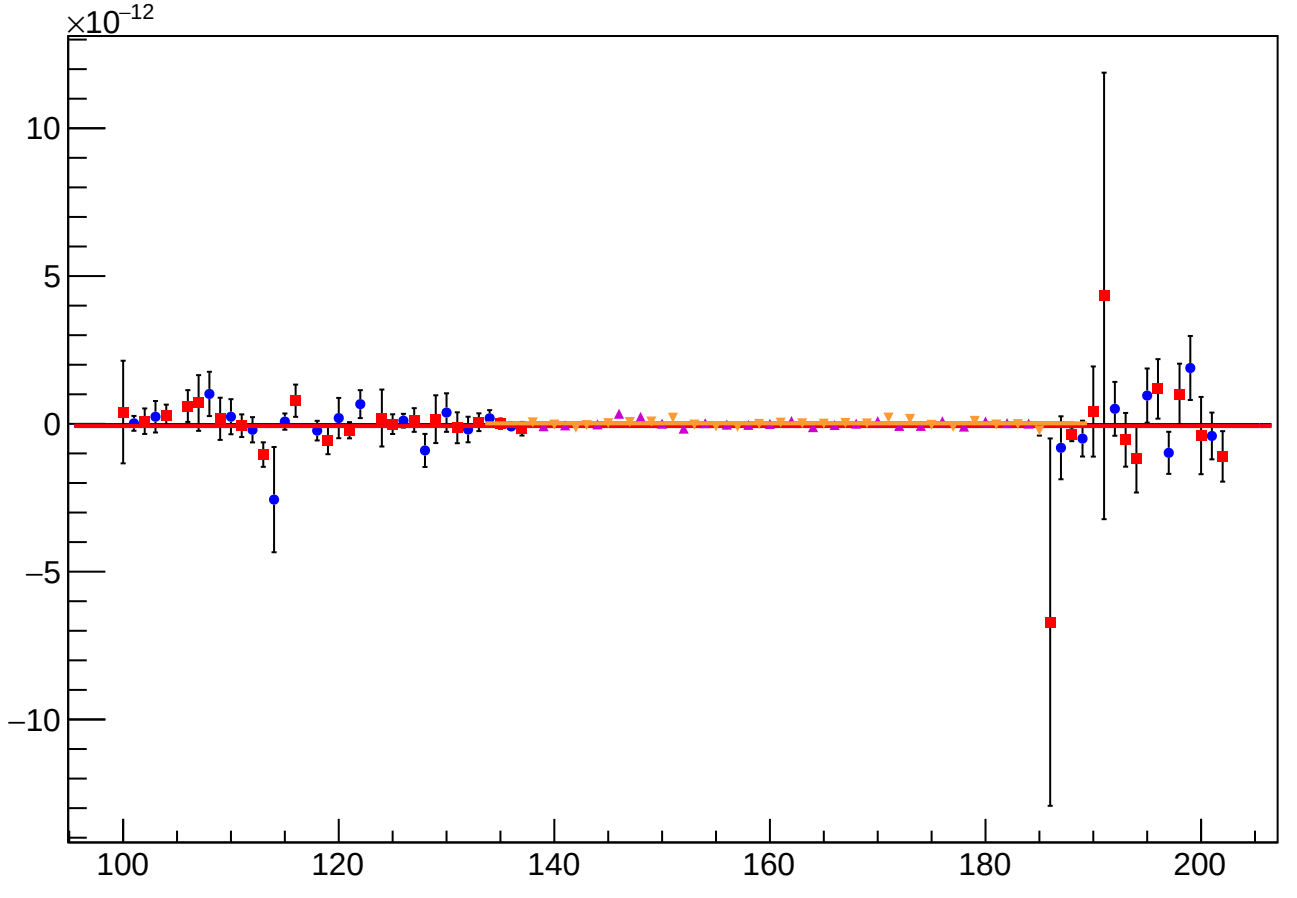
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4206.483+/-0.607 χ^2/NDF: 5563000.1/51

In: 2278.430+/-0.312 χ^2/NDF:7827434.0/45

Out: 2294.400+/-0.304 χ^2/NDF:10546868.6/53

All: 2286.635+/-0.218 χ^2/NDF: 18375646.1/9



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/28

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

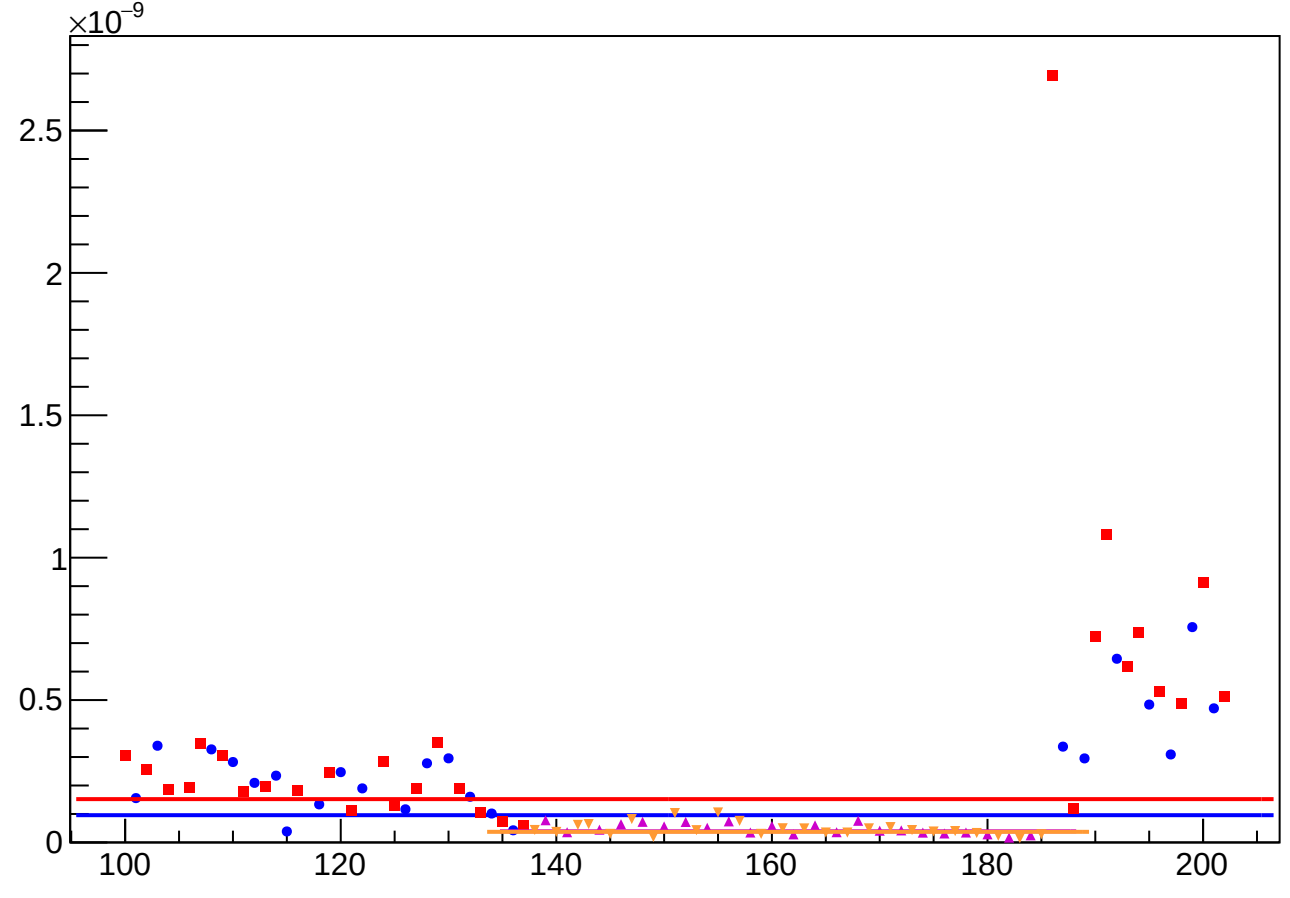
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 42.0/51

In: 0.000+/-0.000 χ^2/NDF:51.1/45

Out: 0.000+/-0.000 χ^2/NDF:44.7/53

All: 0.000+/-0.000 χ^2/NDF: 95.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 5568857.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4749827.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

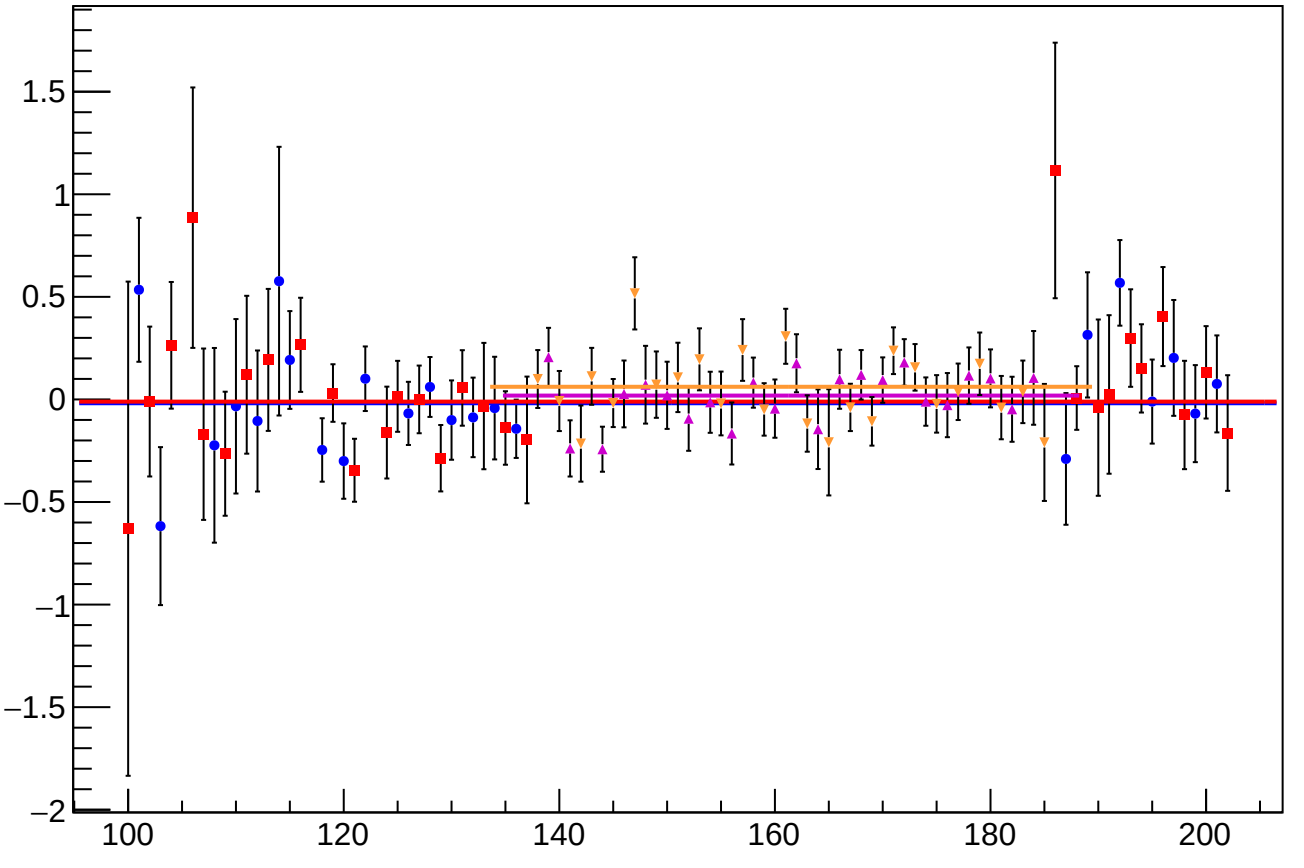
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 10978448.1/51

In: 0.000+/-0.000 χ^2/NDF:9173884.5/45

Out: 0.000+/-0.000 χ^2/NDF:11234084.5/53

All: 0.000+/-0.000 χ^2/NDF: 20418614.5/99



Right In: -0.019+/-0.045 χ^2/NDF: 24.0/22

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.011+/-0.043 χ^2/NDF: 24.3/28

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

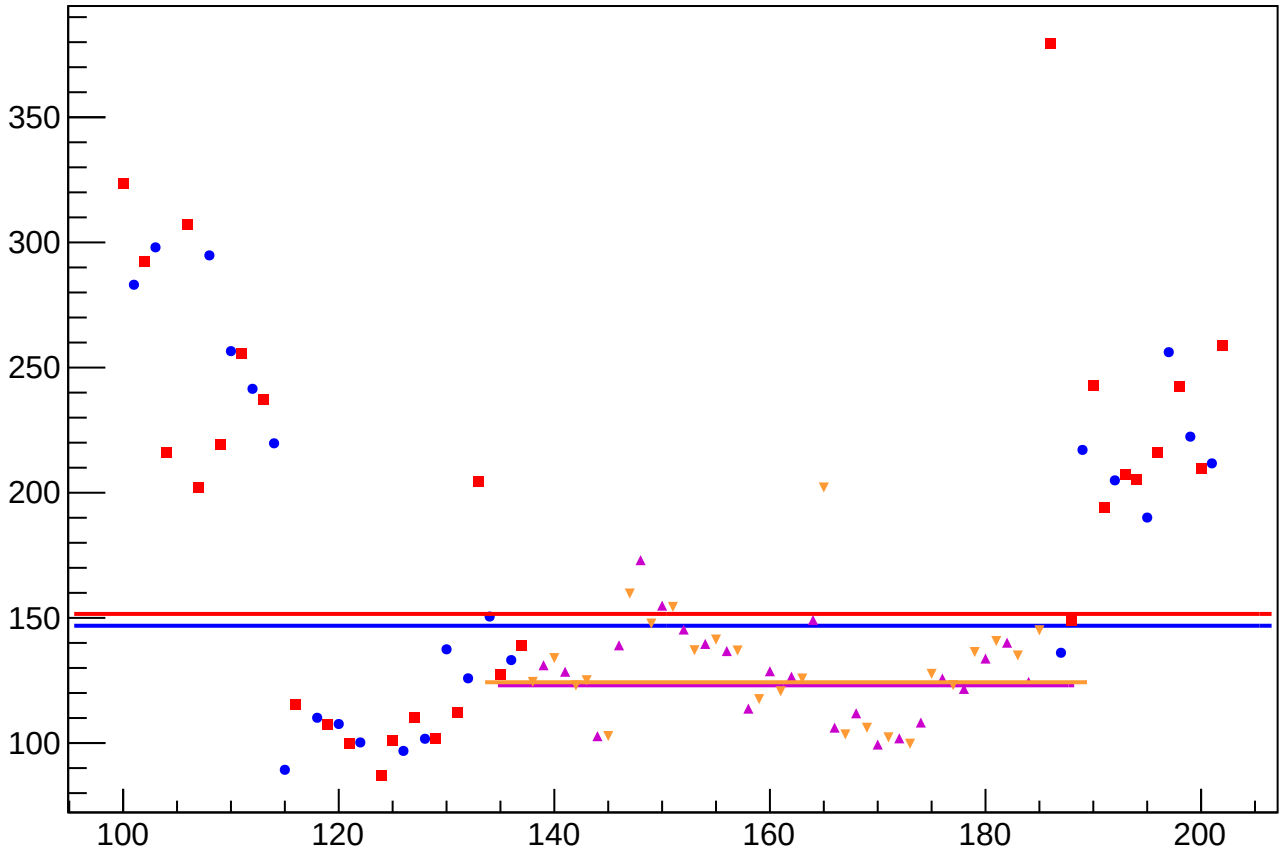
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.014+/-0.031 χ^2/NDF: 48.3/51

In: 0.008+/-0.025 χ^2/NDF:44.8/45

Out: 0.040+/-0.024 χ^2/NDF:53.7/53

All: 0.024+/-0.017 χ^2/NDF: 99.4/99



Right In: 146.862+/-0.032 χ^2/NDF: 3066609.7/22

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.587+/-0.031 χ^2/NDF: 3679151.6/28

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

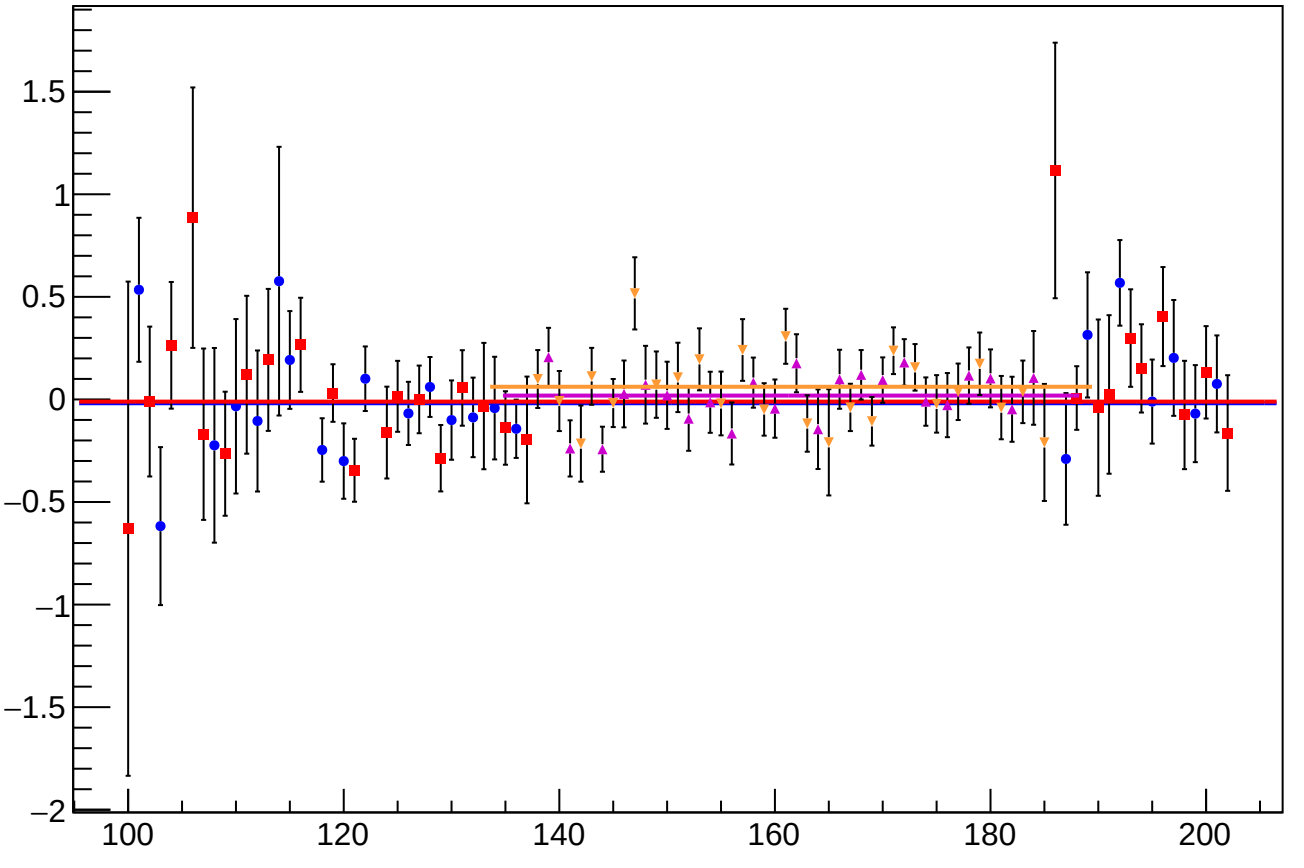
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 149.331+/-0.022 χ^2/NDF: 6757164.7/51

In: 130.106+/-0.017 χ^2/NDF:4175190.0/45

Out: 132.631+/-0.017 χ^2/NDF:5073517.4/53

All: 131.405+/-0.012 χ^2/NDF: 9259539.4/99



Right In: -0.019+/-0.045 χ^2/NDF: 24.0/22

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.011+/-0.043 χ^2/NDF: 24.3/28

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

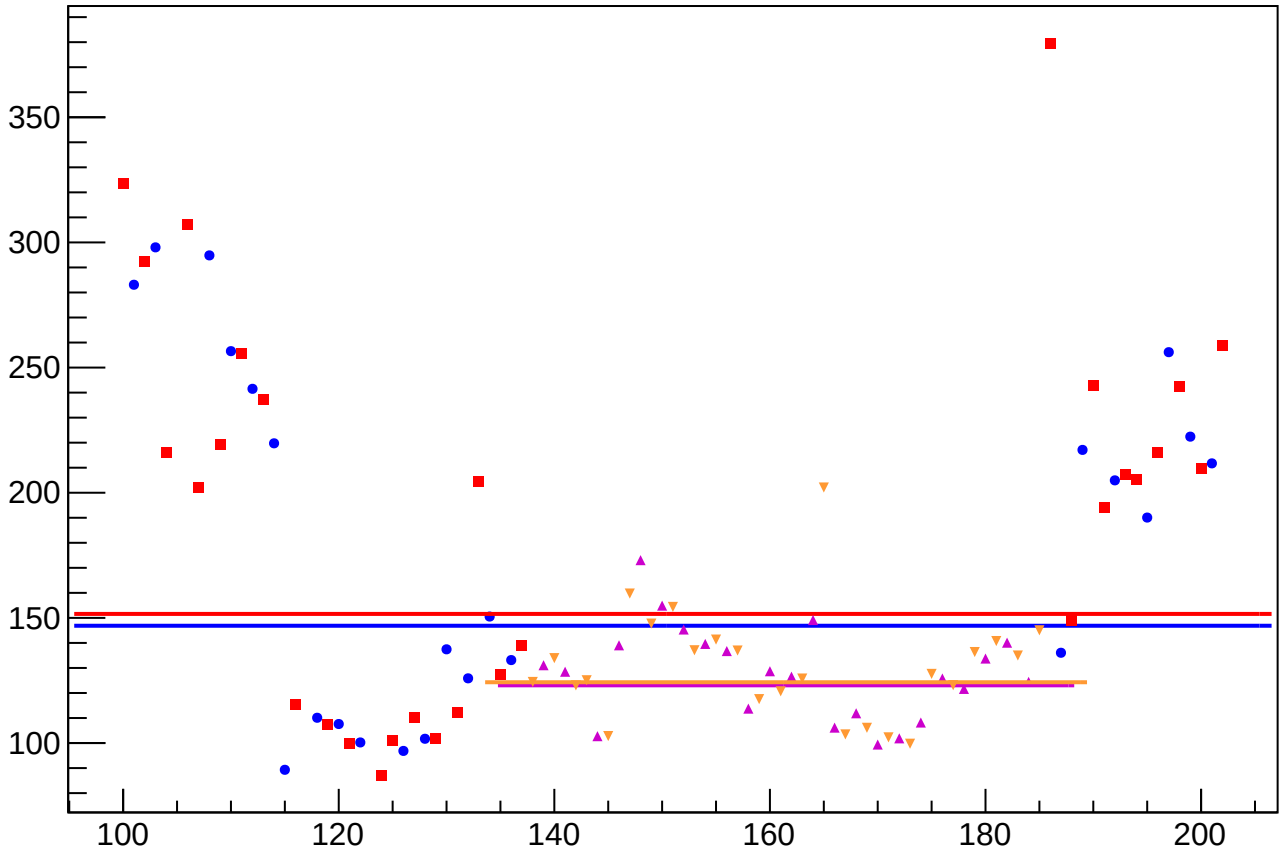
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.014+/-0.031 χ^2/NDF: 48.3/51

In: 0.008+/-0.025 χ^2/NDF:44.8/45

Out: 0.040+/-0.024 χ^2/NDF:53.7/53

All: 0.024+/-0.017 χ^2/NDF: 99.4/99



Right In: 146.862+/-0.032 χ^2/NDF: 3066609.7/22

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.587+/-0.031 χ^2/NDF: 3679151.6/28

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

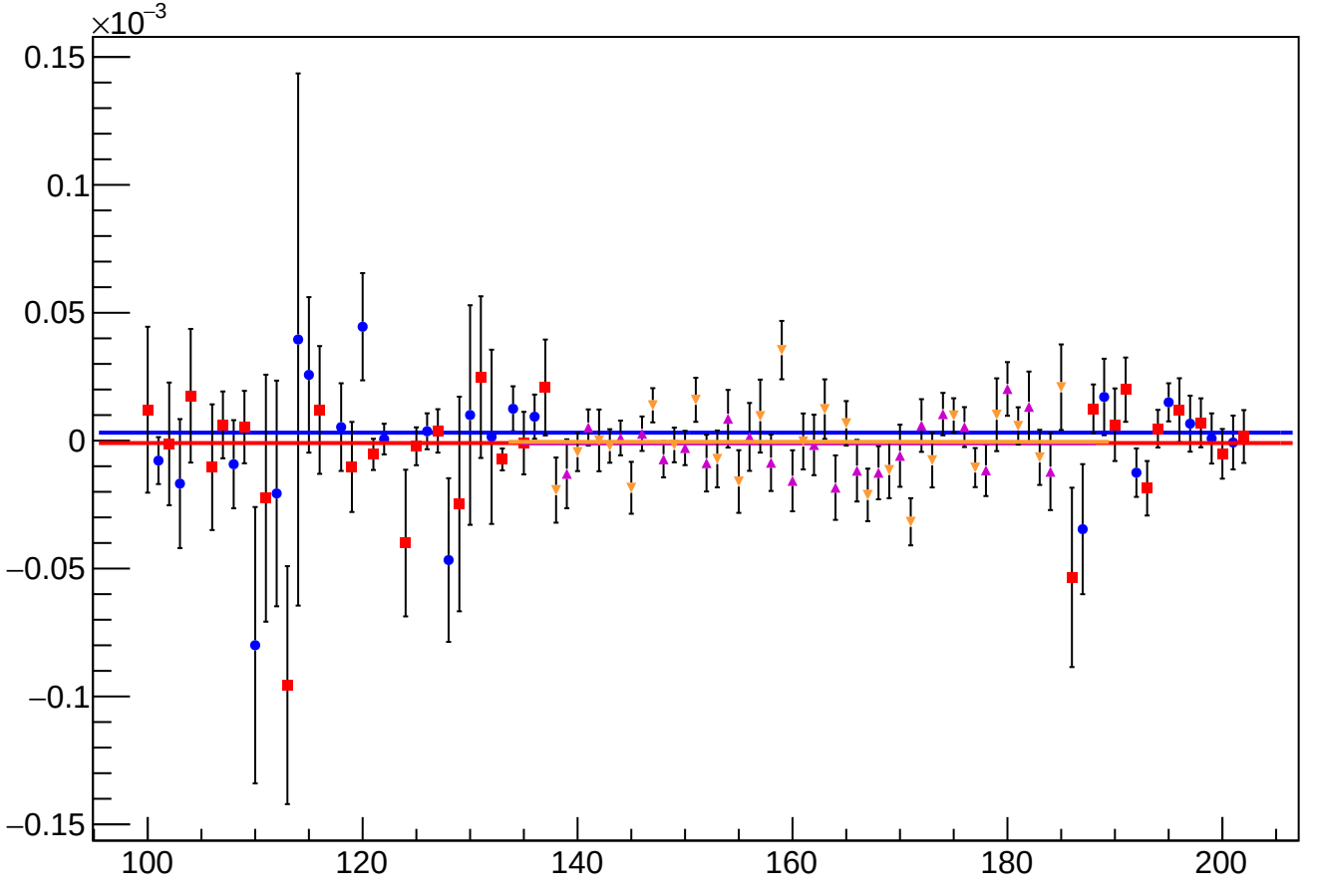
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 149.331+/-0.022 χ^2/NDF: 6757164.7/51

In: 130.106+/-0.017 χ^2/NDF:4175190.0/45

Out: 132.631+/-0.017 χ^2/NDF:5073517.4/53

All: 131.405+/-0.012 χ^2/NDF: 9259539.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/28

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

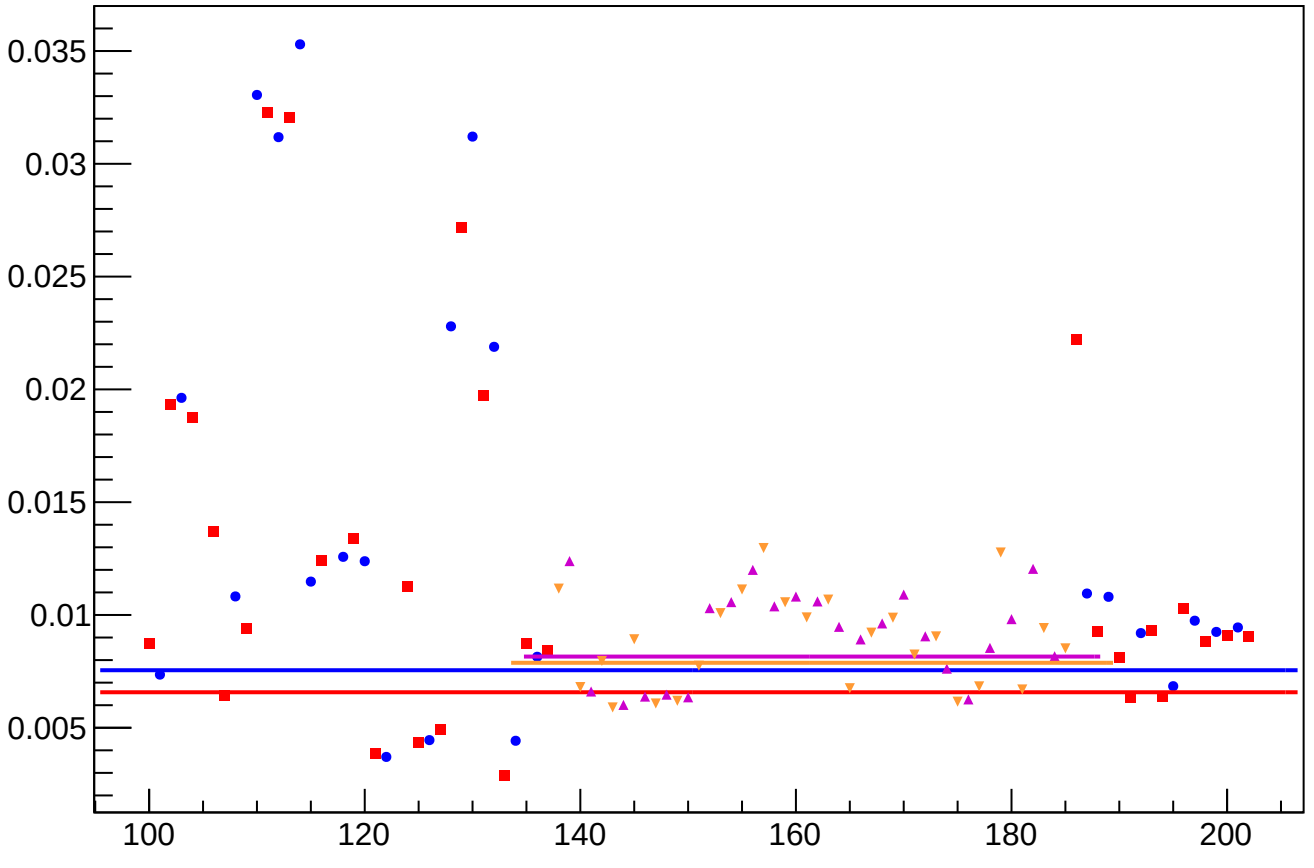
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.3/51

In: 0.000+/-0.000 χ^2/NDF:44.4/45

Out: -0.000+/-0.000 χ^2/NDF:78.5/53

All: -0.000+/-0.000 χ^2/NDF: 123.3/99



Right In: 0.008+/-0.000 χ^2/NDF: 5308476.3/22

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7206198.7/28

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

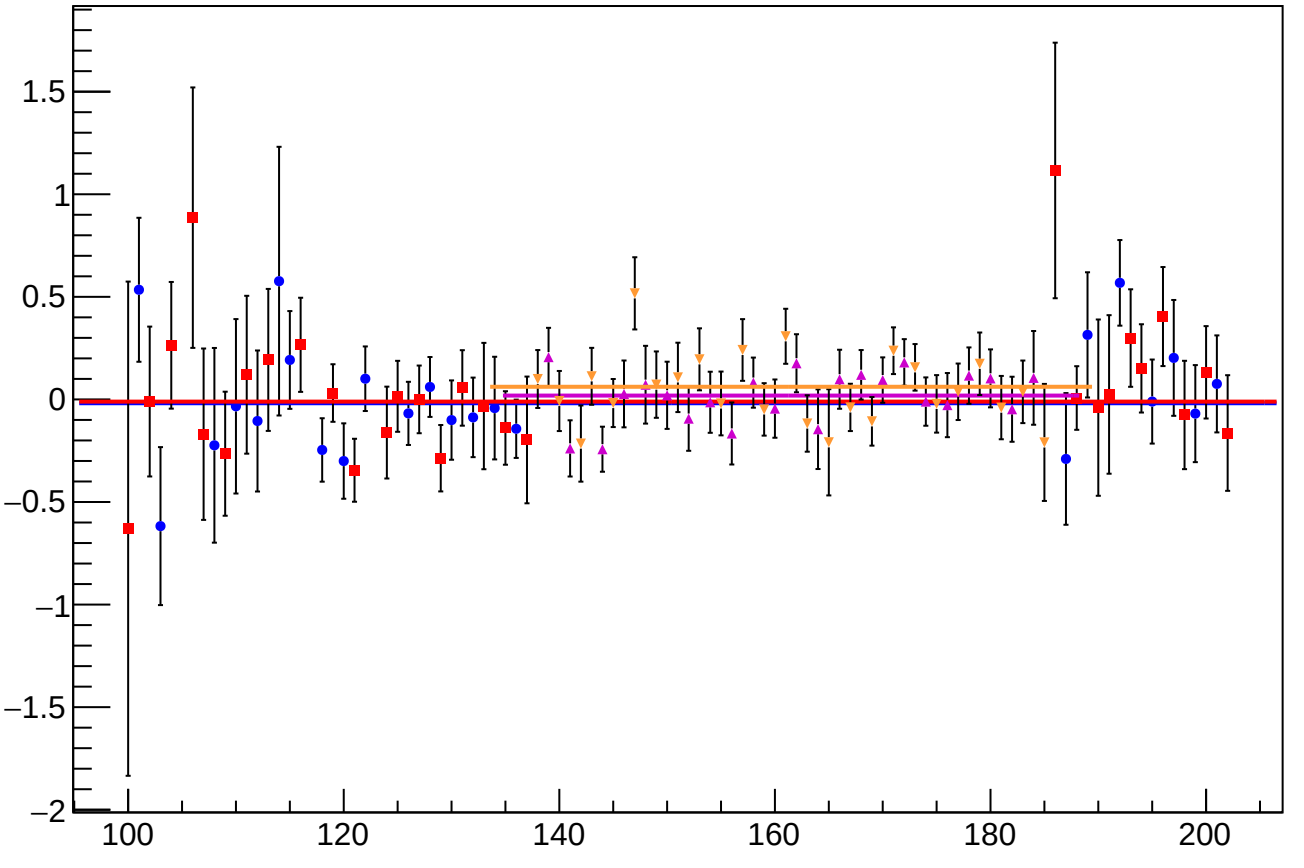
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12699470.0/51

In: 0.008+/-0.000 χ^2/NDF:7399254.9/45

Out: 0.007+/-0.000 χ^2/NDF:9727781.8/53

All: 0.008+/-0.000 χ^2/NDF: 17308070.4/99



Right In: -0.019+/-0.045 χ^2/NDF: 24.0/22

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.011+/-0.043 χ^2/NDF: 24.3/28

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

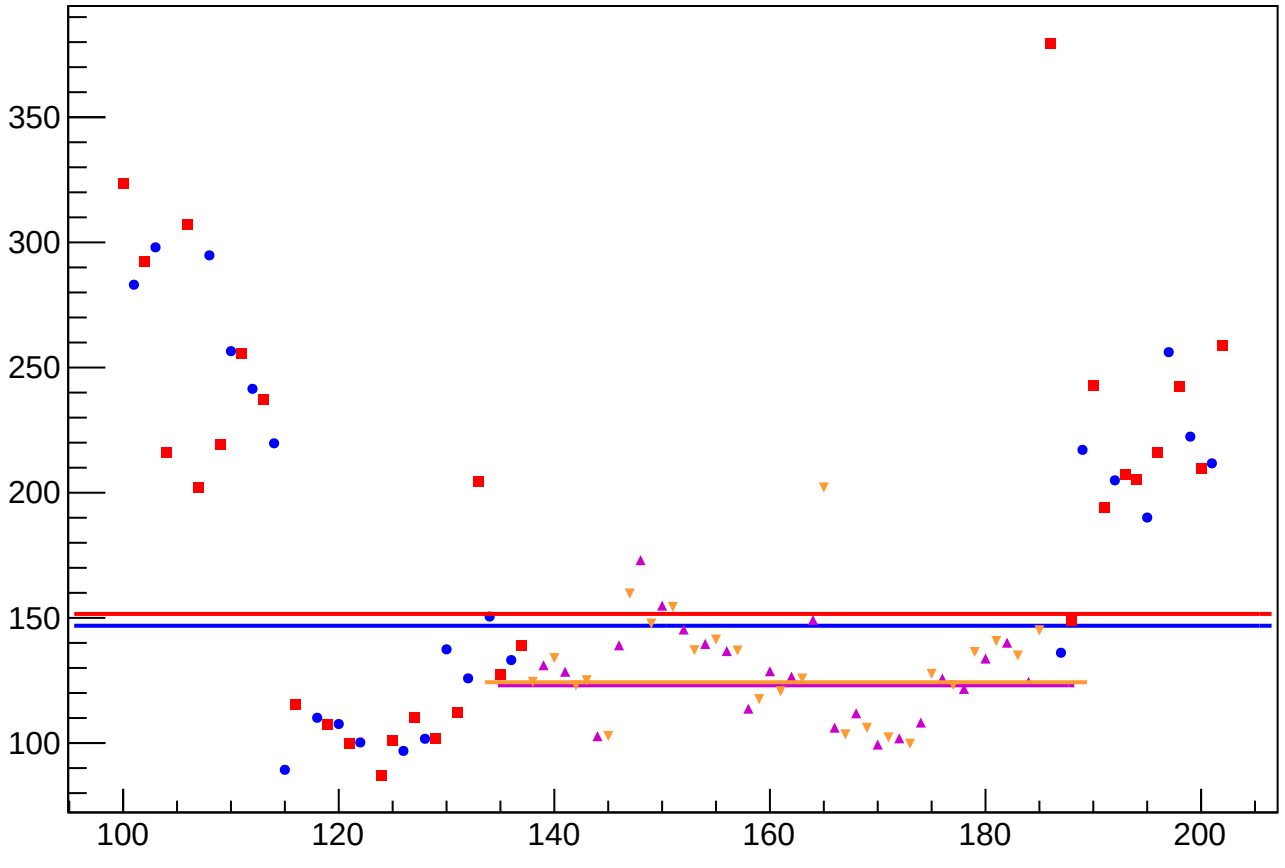
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.014+/-0.031 χ^2/NDF: 48.3/51

In: 0.008+/-0.025 χ^2/NDF:44.8/45

Out: 0.040+/-0.024 χ^2/NDF:53.7/53

All: 0.024+/-0.017 χ^2/NDF: 99.4/99



Right In: 146.859+/-0.032 χ^2/NDF: 3066652.4/22

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.585+/-0.031 χ^2/NDF: 3679268.2/28

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

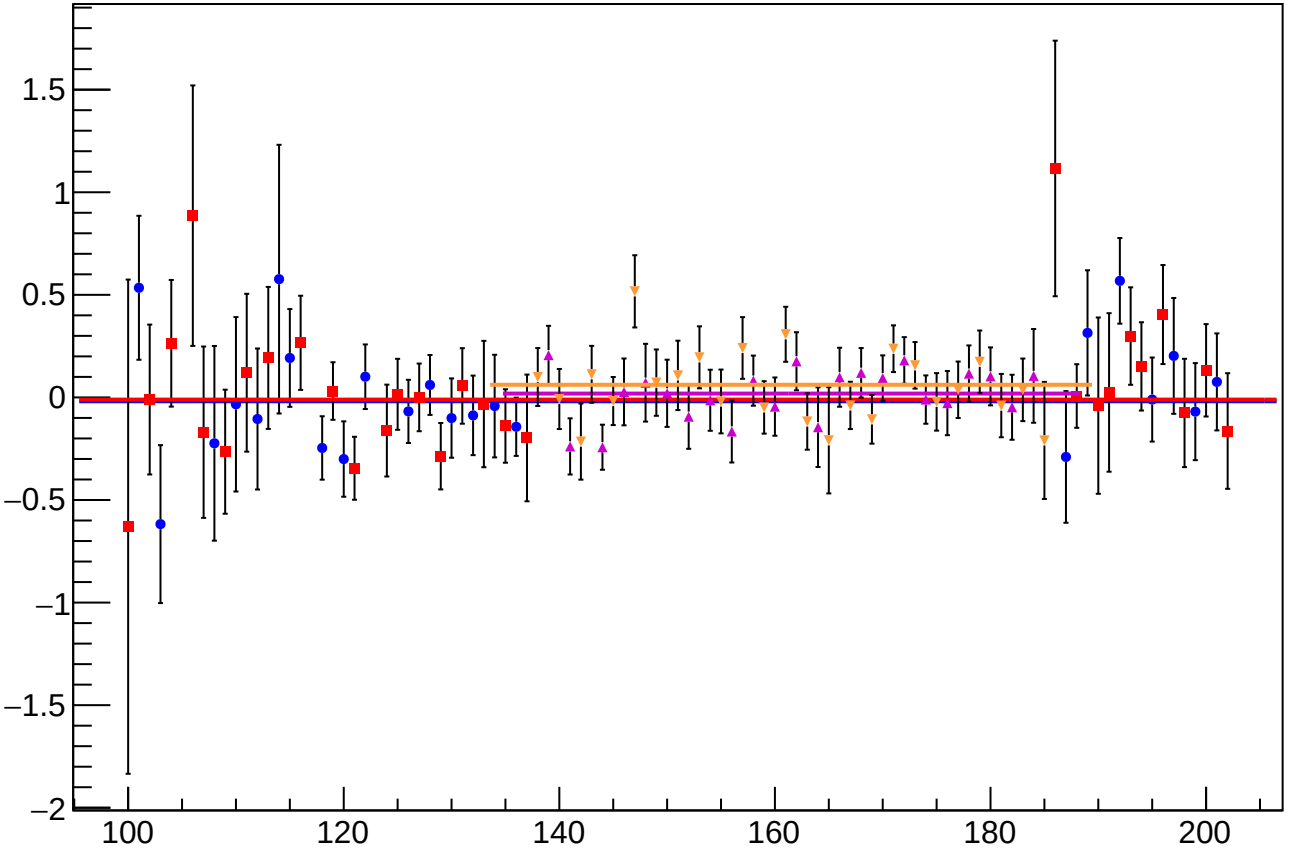
Right: 149.328+/-0.022 χ^2/NDF: 6757325.1/51

In: 130.105+/-0.017 χ^2/NDF:4175178.0/45

Out: 132.630+/-0.017 χ^2/NDF:5073590.6/53

All: 131.404+/-0.012 χ^2/NDF: 9259601.5/99

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.045 χ^2/NDF: 24.0/22

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.011+/-0.043 χ^2/NDF: 24.3/28

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

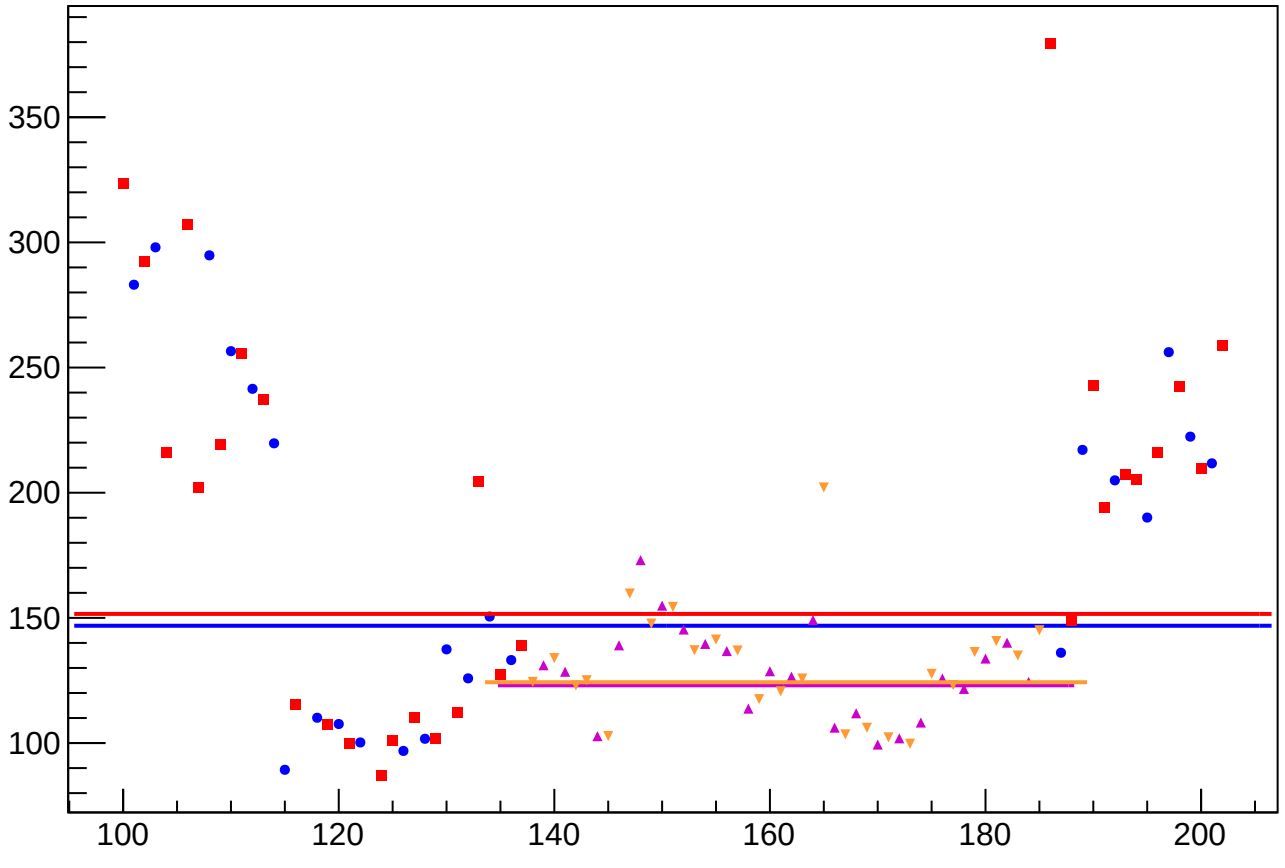
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.014+/-0.031 χ^2/NDF: 48.3/51

In: 0.008+/-0.025 χ^2/NDF:44.8/45

Out: 0.040+/-0.024 χ^2/NDF:53.7/53

All: 0.024+/-0.017 χ^2/NDF: 99.4/99



Right In: 146.859+/-0.032 χ^2/NDF: 3066652.4/22

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.585+/-0.031 χ^2/NDF: 3679268.2/28

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

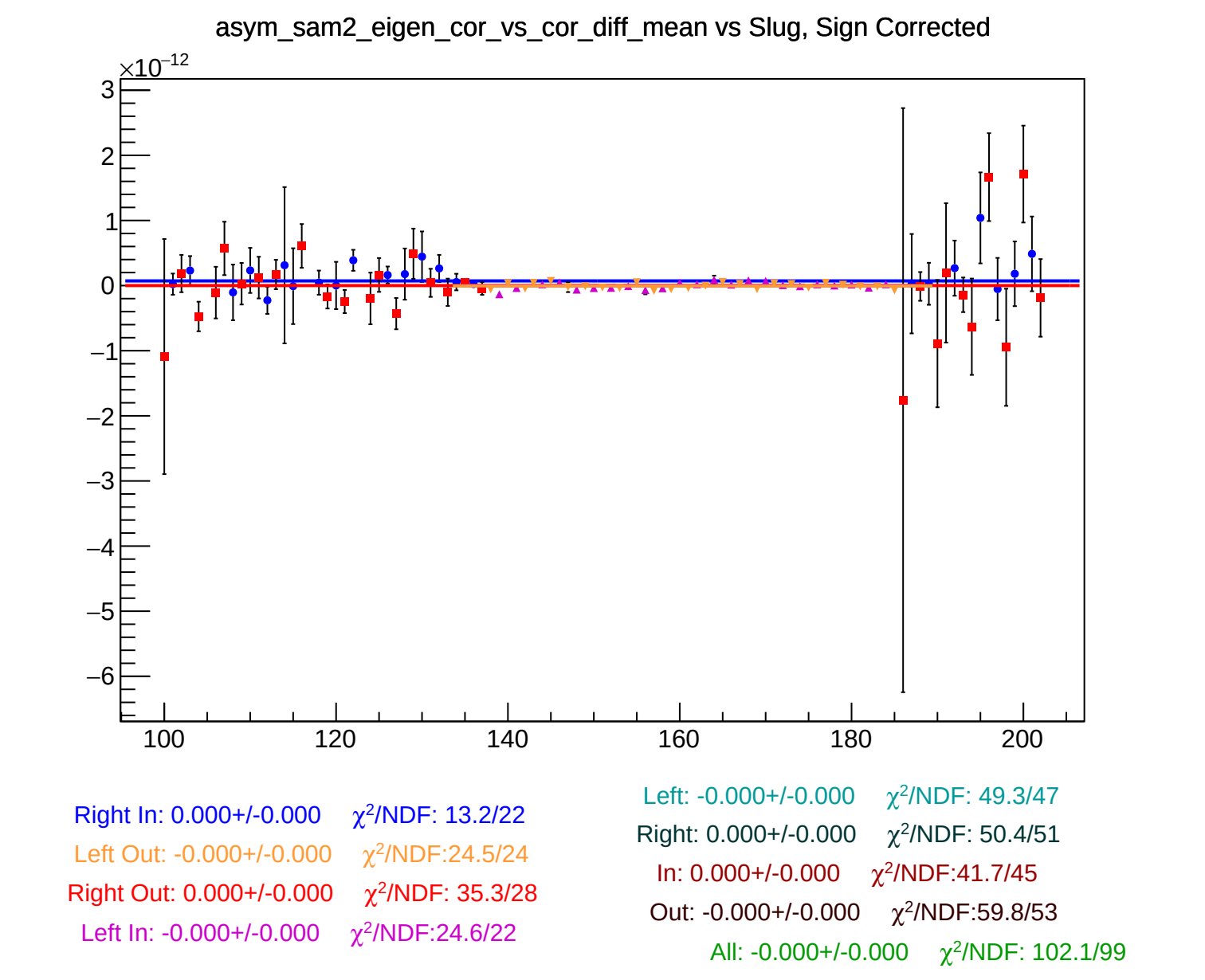
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

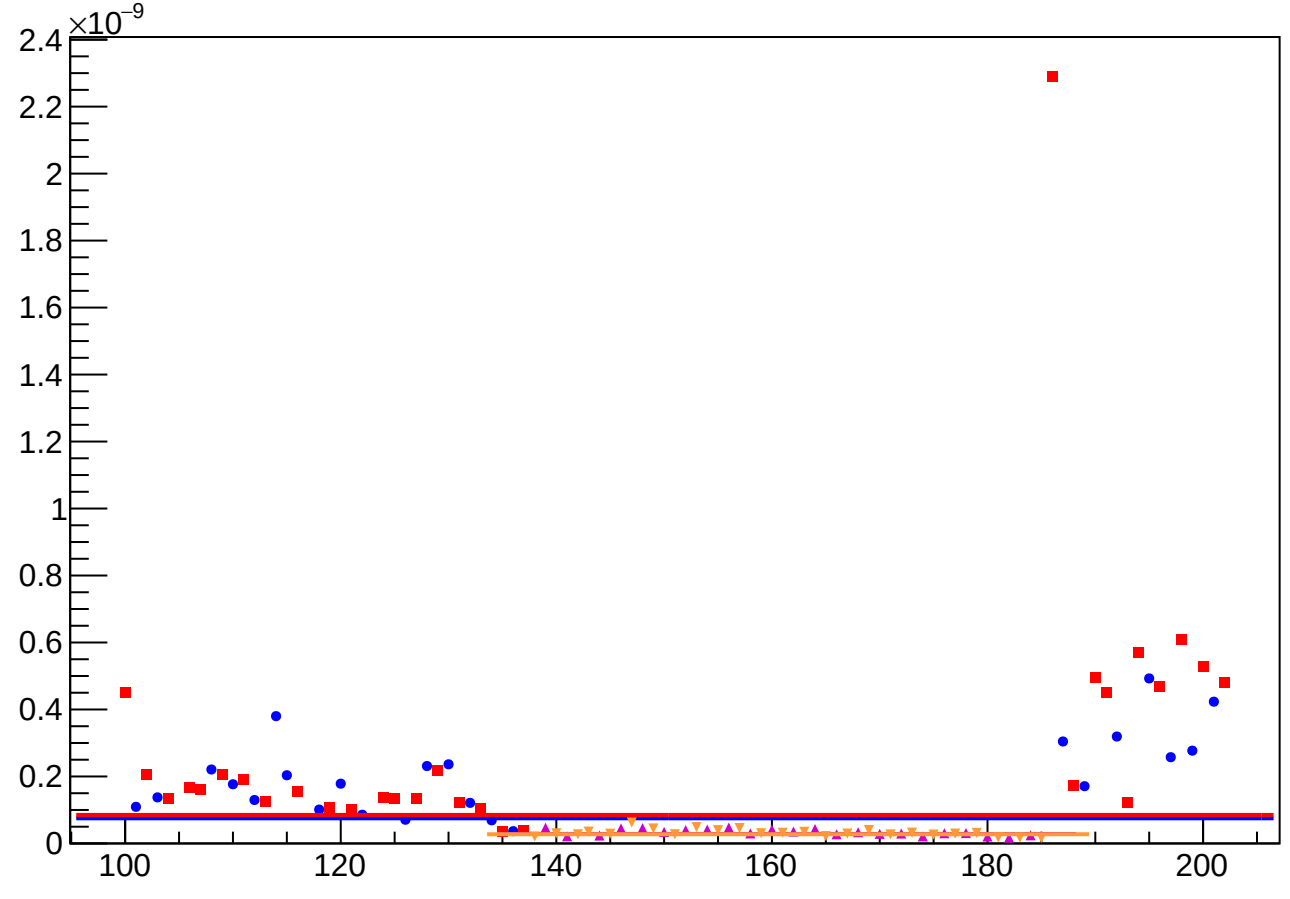
Right: 149.328+/-0.022 χ^2/NDF: 6757325.1/51

In: 130.105+/-0.017 χ^2/NDF:4175178.0/45

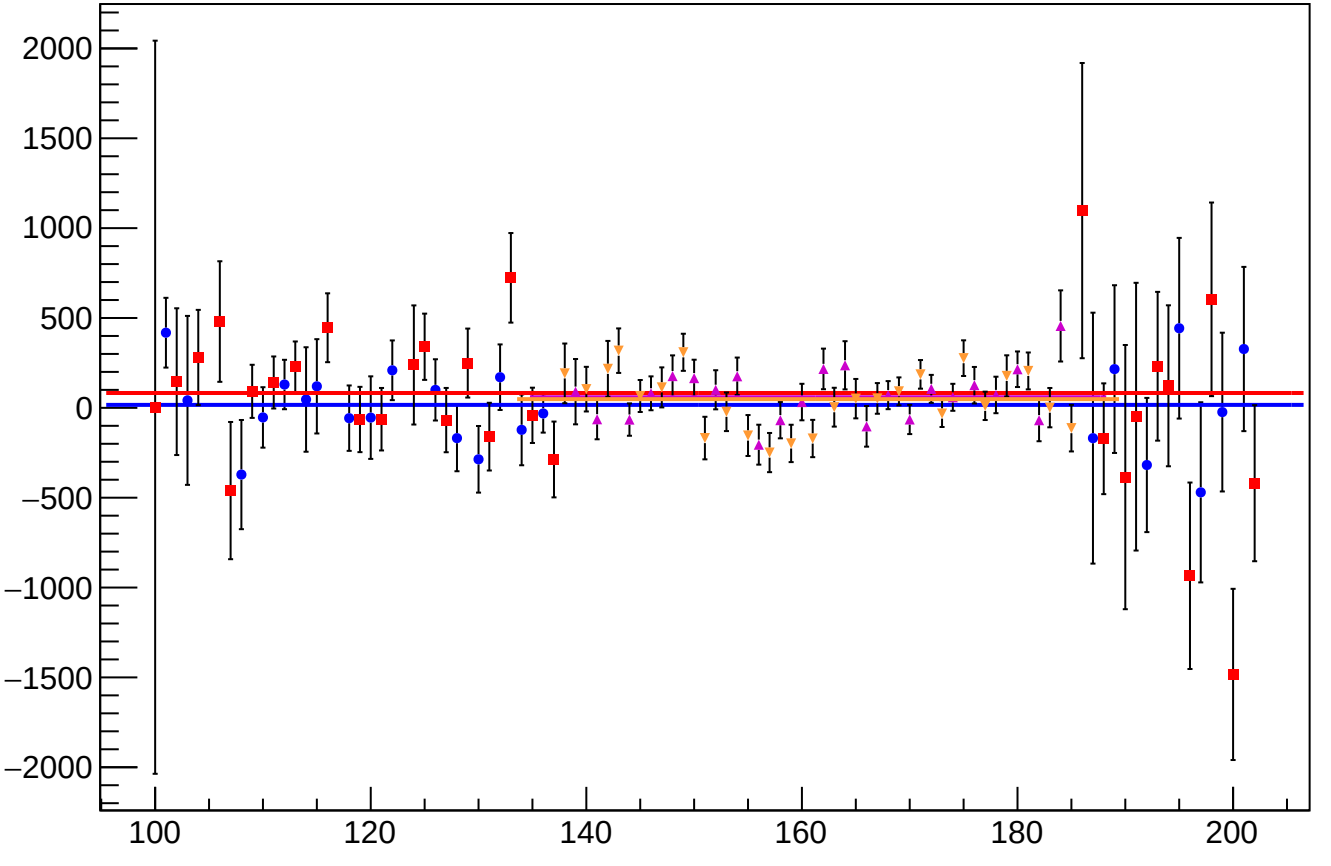
Out: 132.630+/-0.017 χ^2/NDF:5073590.6/53

All: 131.404+/-0.012 χ^2/NDF: 9259601.5/99


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 13.2/22
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.3/28
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 50.4/51
In: 0.000+/-0.000 χ²/NDF:41.7/45
Out: -0.000+/-0.000 χ²/NDF:59.8/53
All: -0.000+/-0.000 χ²/NDF: 102.1/99


asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6377266.4/22
Left Out: 0.000+/-0.000 χ²/NDF:2403081.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 9016268.6/28
Left In: 0.000+/-0.000 χ²/NDF:2191521.5/22
Left: 0.000+/-0.000 χ²/NDF: 4602499.0/47
Right: 0.000+/-0.000 χ²/NDF: 15469415.5/51
In: 0.000+/-0.000 χ²/NDF:11884264.8/45
Out: 0.000+/-0.000 χ²/NDF:15829049.5/53
All: 0.000+/-0.000 χ²/NDF: 27722883.7/99

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 16.469+/-44.264 χ^2/NDF: 17.1/22

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 82.643+/-43.871 χ^2/NDF: 45.5/28

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

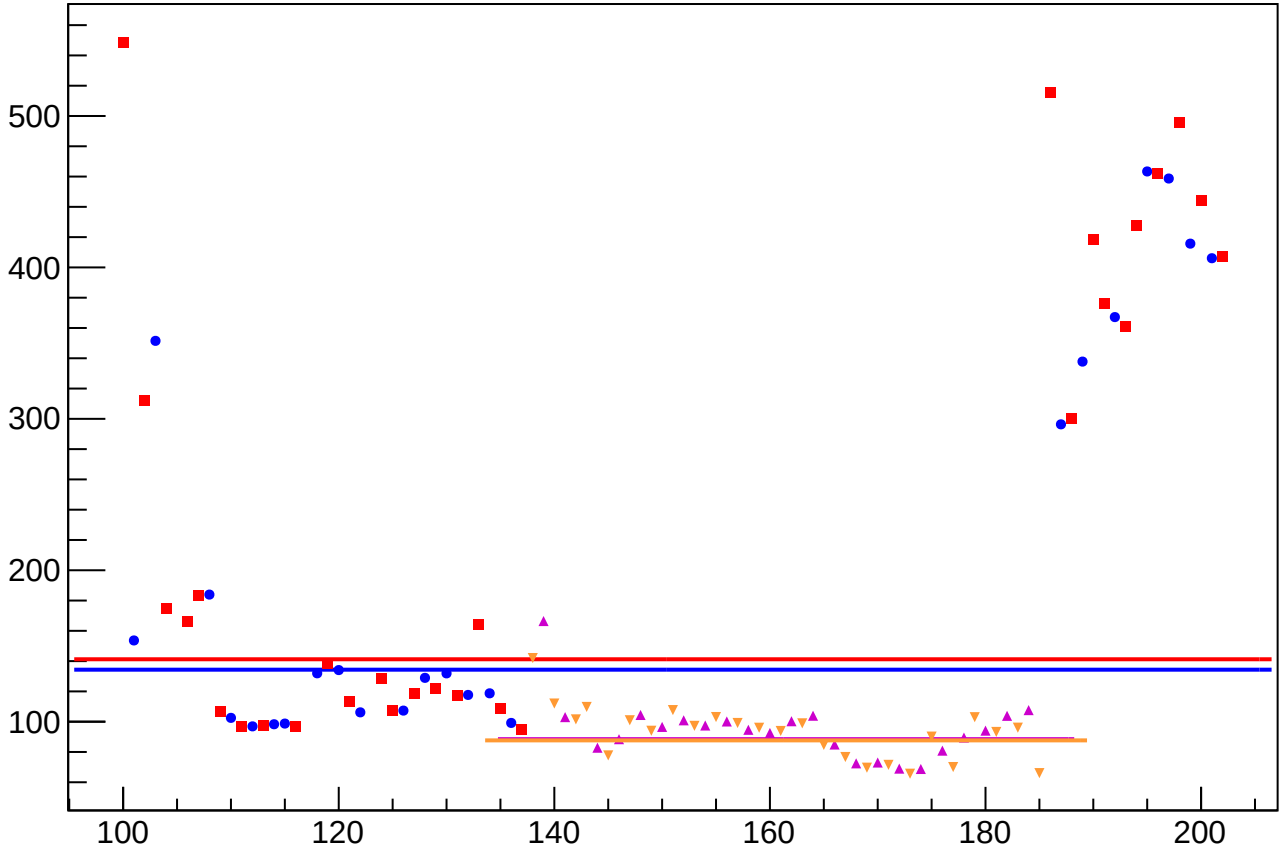
Right: 49.850+/-31.159 χ^2/NDF: 63.7/51

In: 51.102+/-19.088 χ^2/NDF:48.4/45

Out: 54.493+/-18.515 χ^2/NDF:99.6/53

All: 52.849+/-13.290 χ^2/NDF: 148.0/99

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 134.342+/-0.031 χ^2/NDF: 5622548.6/22

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 141.224+/-0.031 χ^2/NDF: 7502283.7/28

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

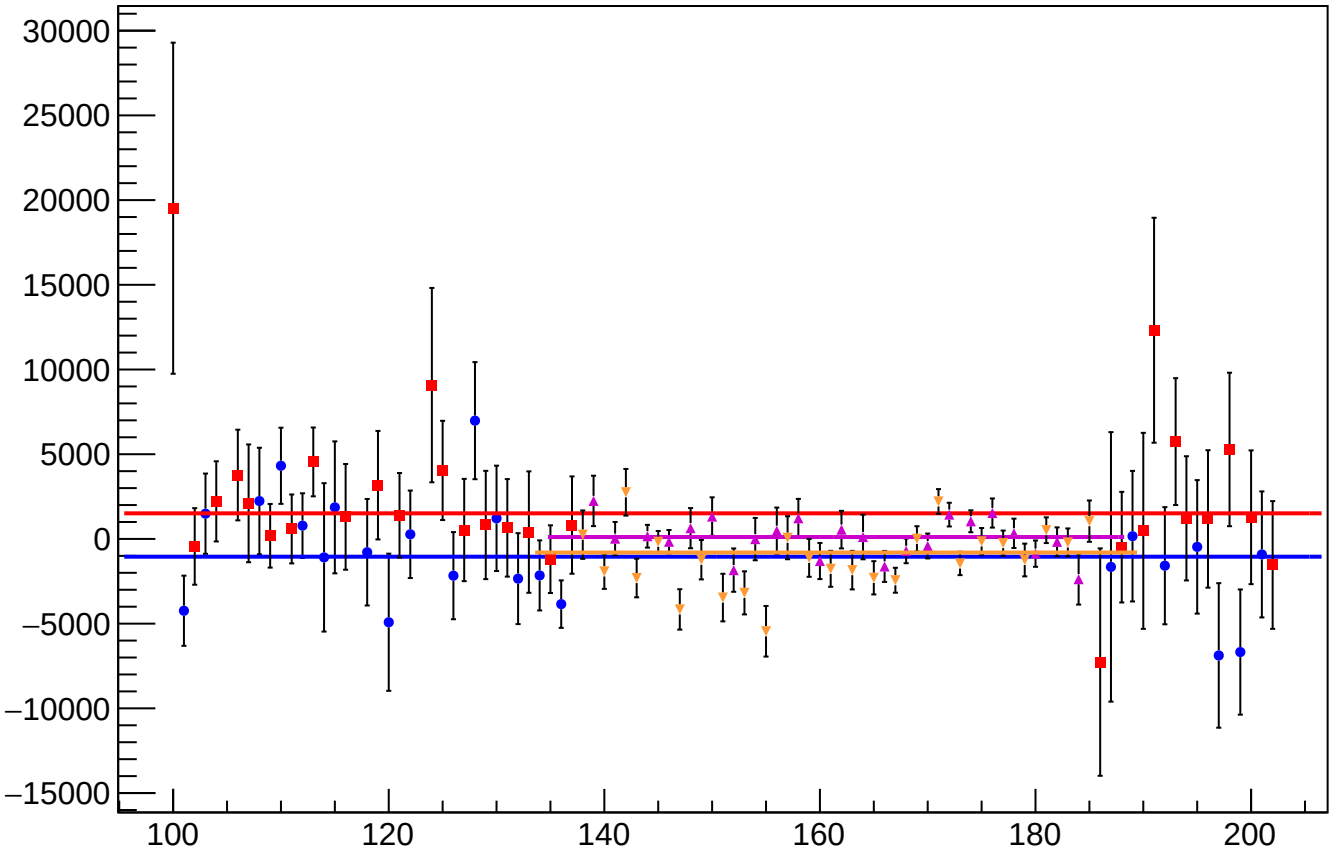
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 137.814+/-0.022 χ^2/NDF: 13149216.7/51

In: 97.011+/-0.013 χ^2/NDF:8445848.9/45

Out: 97.197+/-0.013 χ^2/NDF:11166259.7/53

All: 97.107+/-0.009 χ^2/NDF: 19612206.8/99



Right In: -1048.741+/-571.018 χ^2/NDF: 27.9/22

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1511.130+/-557.386 χ^2/NDF: 20.3/28

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

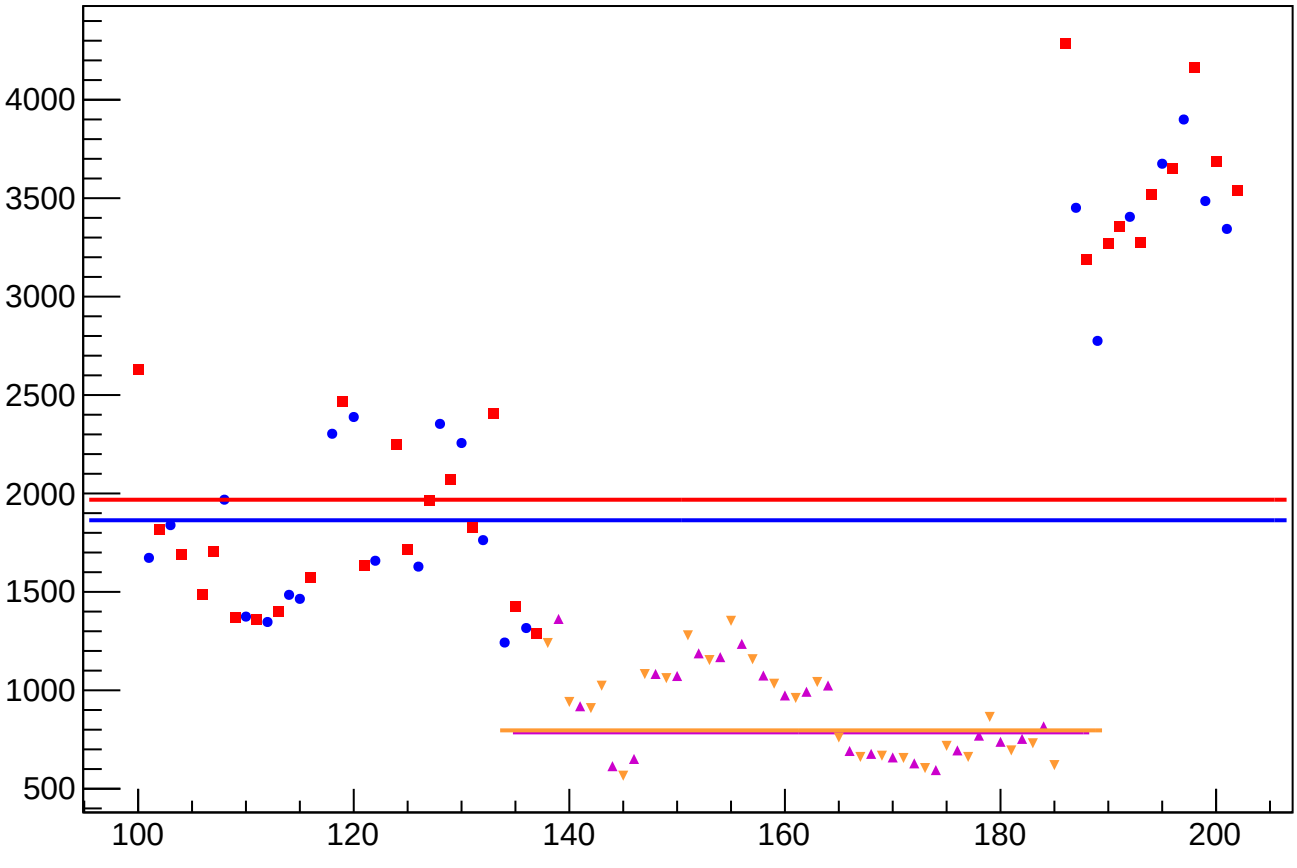
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 262.116+/-398.864 χ^2/NDF: 58.6/51

In: -3.562+/-180.512 χ^2/NDF:58.7/45

Out: -565.838+/-177.932 χ^2/NDF:107.7/53

All: -288.748+/-126.719 χ^2/NDF: 171.3/99



Right In: 1863.872+/-0.404 χ^2/NDF: 3128119.8/22

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1968.171+/-0.394 χ^2/NDF: 3944318.6/28

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

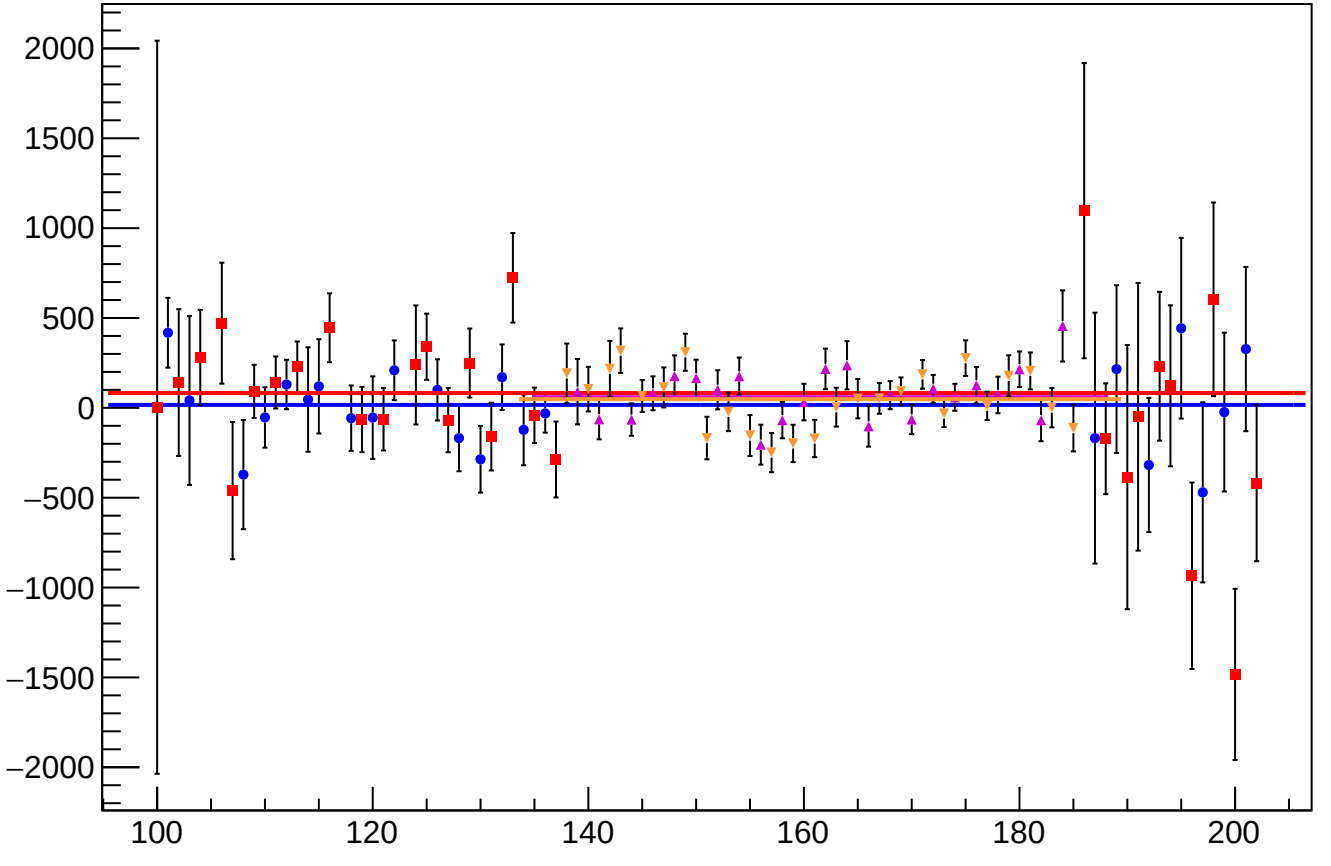
Right: 1917.281+/-0.282 χ^2/NDF: 7106606.9/51

In: 894.018+/-0.128 χ^2/NDF:11694859.2/45

Out: 915.920+/-0.126 χ^2/NDF:14298784.9/53

All: 905.127+/-0.090 χ^2/NDF: 26008577.5/99

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 16.454+/-44.264 χ^2/NDF: 17.0/22

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 82.379+/-43.874 χ^2/NDF: 45.4/28

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

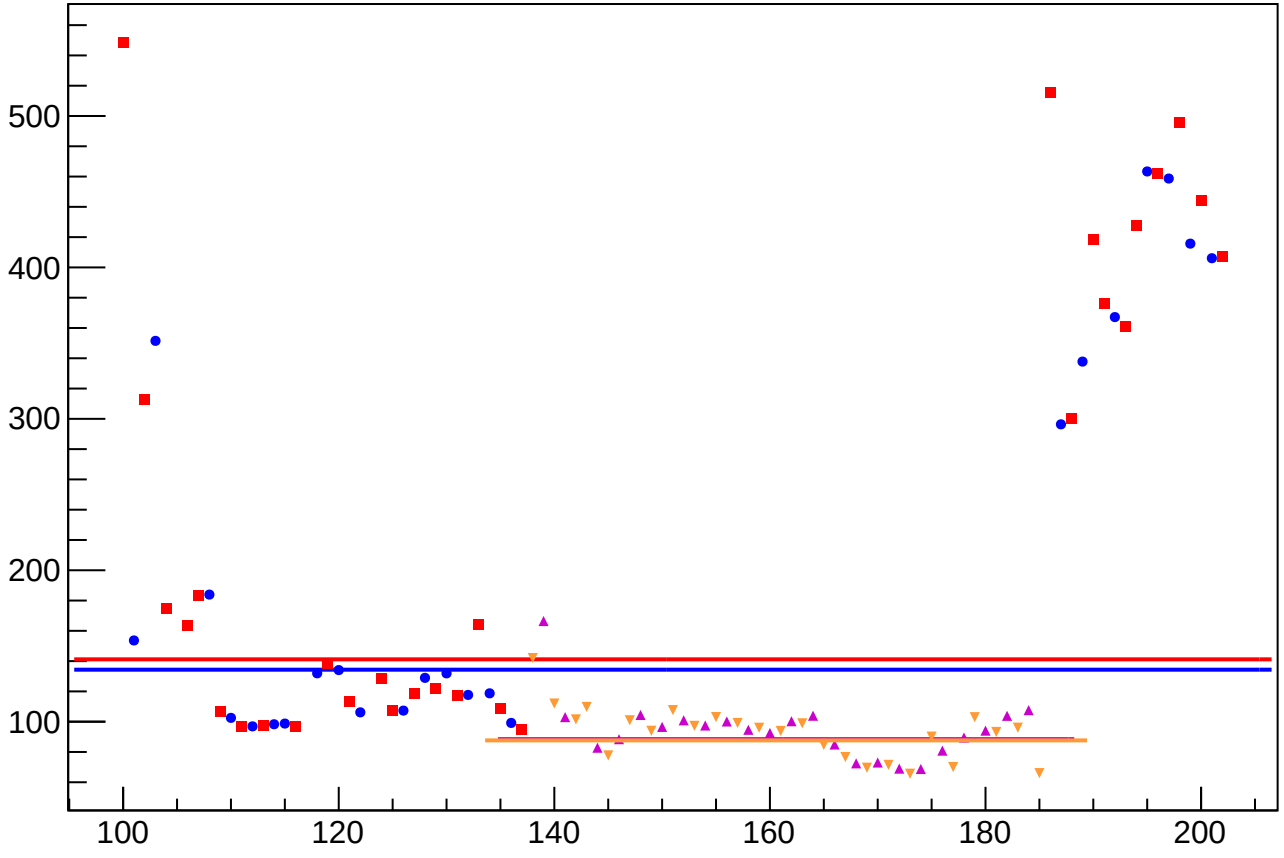
Right: 49.708+/-31.160 χ^2/NDF: 63.6/51

In: 51.101+/-19.088 χ^2/NDF:48.4/45

Out: 54.451+/-18.515 χ^2/NDF:99.5/53

All: 52.827+/-13.290 χ^2/NDF: 147.9/99

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 134.342+/-0.031 χ^2/NDF: 5622550.9/22

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 141.179+/-0.031 χ^2/NDF: 7500308.1/28

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

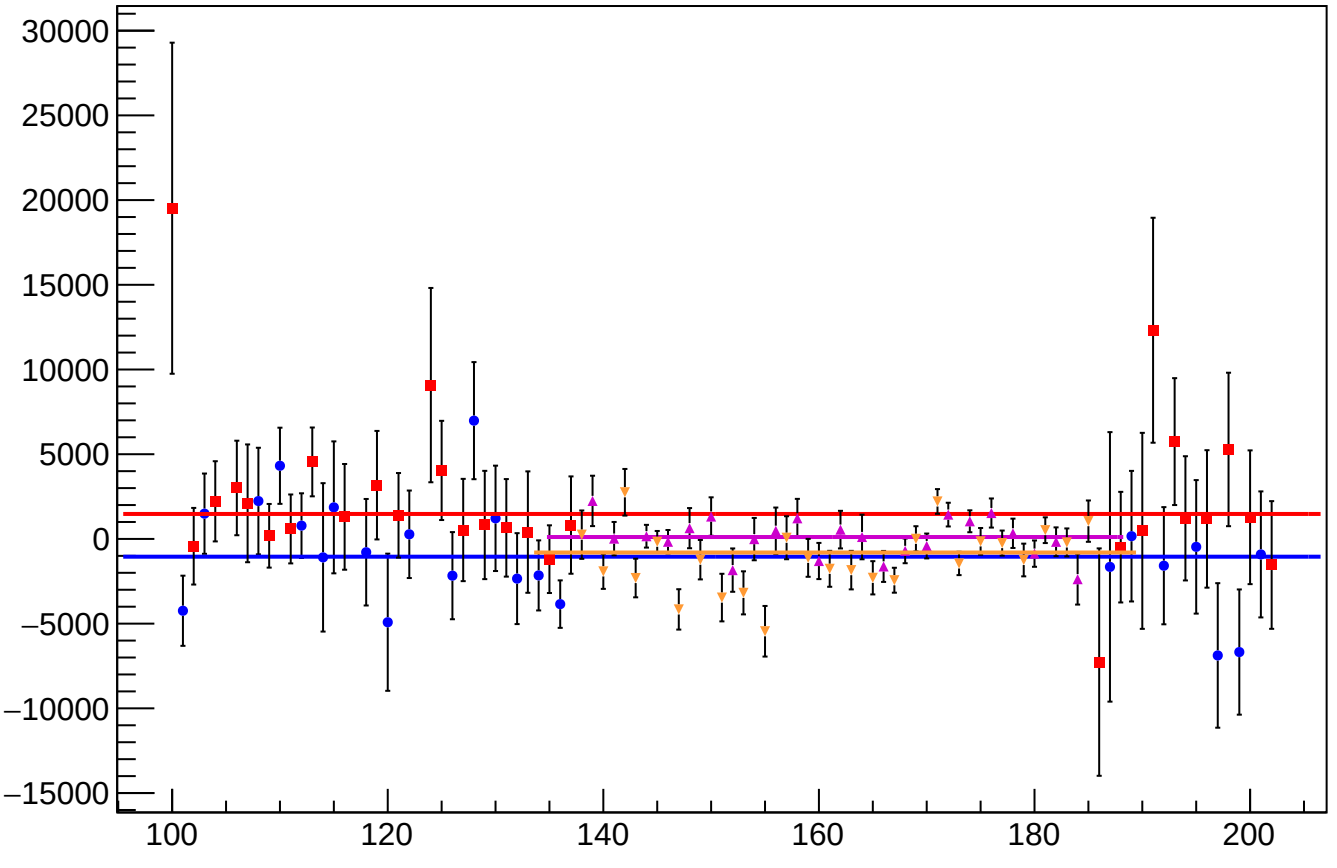
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 137.791+/-0.022 χ^2/NDF: 13146926.4/51

In: 97.011+/-0.013 χ^2/NDF:8445850.6/45

Out: 97.188+/-0.013 χ^2/NDF:11159955.5/53

All: 97.102+/-0.009 χ^2/NDF: 19605895.1/99



Right In: -1048.728+/-571.022 χ^2/NDF: 27.9/22

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1473.645+/-558.397 χ^2/NDF: 19.9/28

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

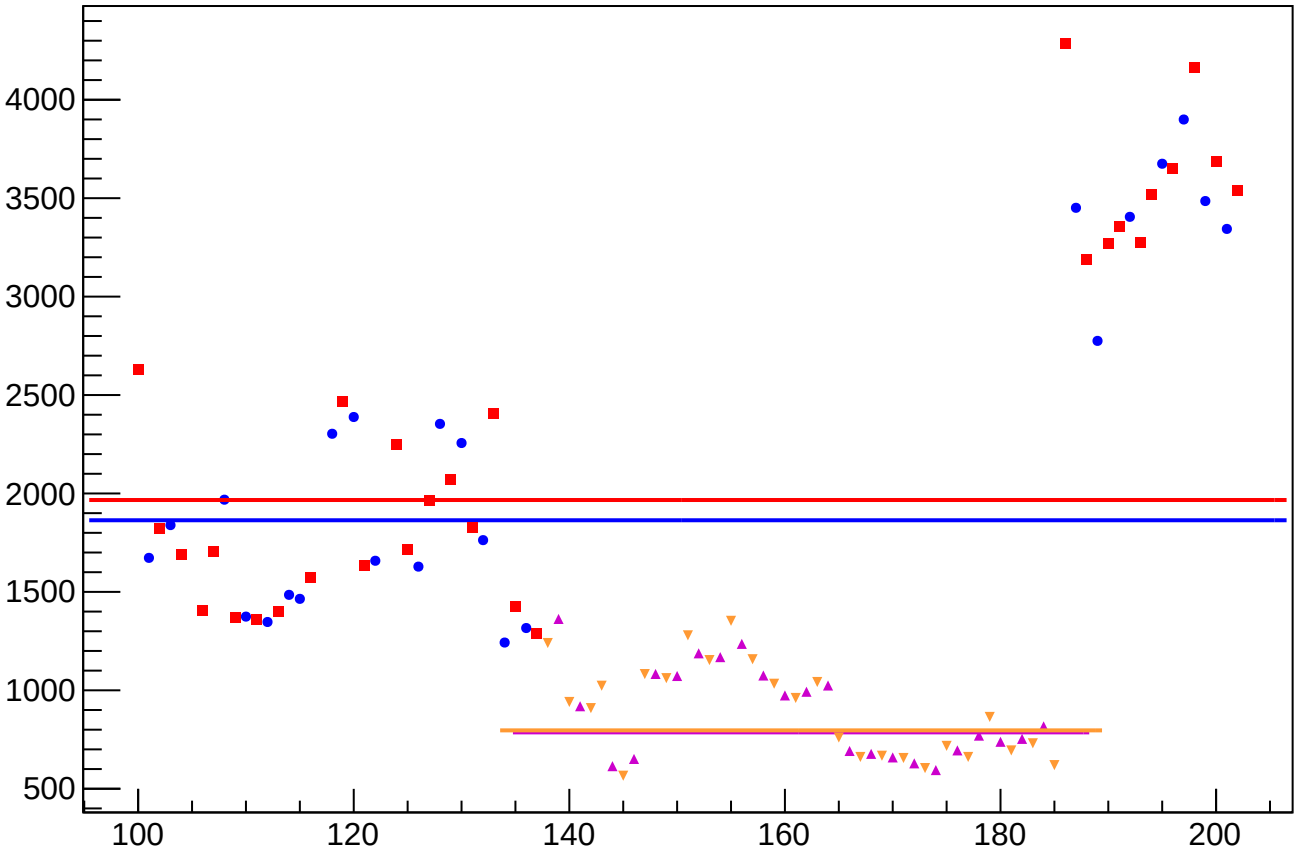
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 240.651+/-399.235 χ^2/NDF: 57.8/51

In: -3.558+/-180.512 χ^2/NDF:58.7/45

Out: -570.404+/-177.964 χ^2/NDF:106.7/53

All: -291.010+/-126.731 χ^2/NDF: 170.4/99



Right In: 1863.883+/-0.404 χ^2/NDF: 3128120.3/22

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1966.726+/-0.395 χ^2/NDF: 3960601.9/28

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

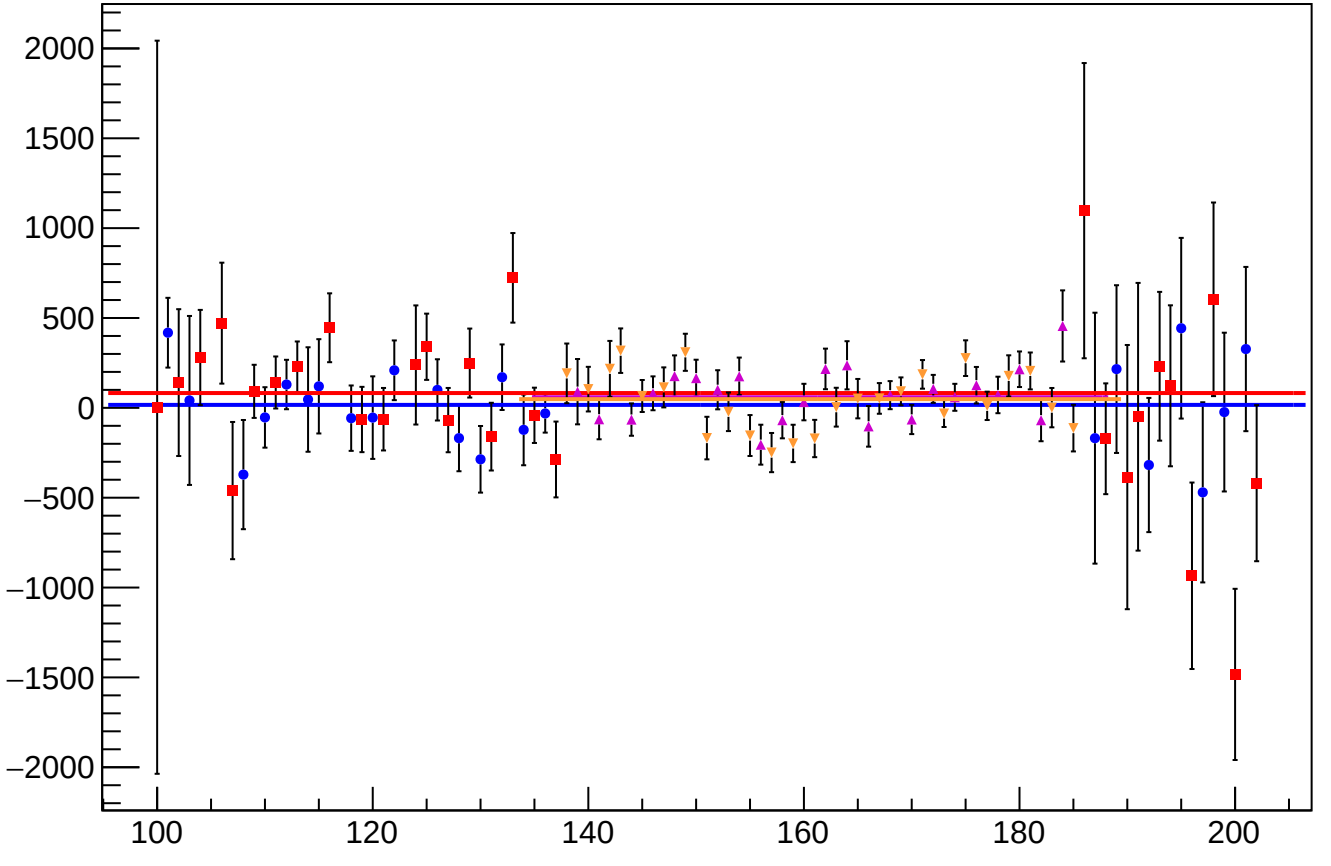
Right: 1916.454+/-0.282 χ^2/NDF: 7121884.6/51

In: 894.018+/-0.128 χ^2/NDF:11694916.7/45

Out: 915.385+/-0.126 χ^2/NDF:14269779.0/53

All: 904.853+/-0.090 χ^2/NDF: 25978905.9/99

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 16.454+/-44.264 χ^2/NDF: 17.0/22

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 82.379+/-43.874 χ^2/NDF: 45.4/28

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

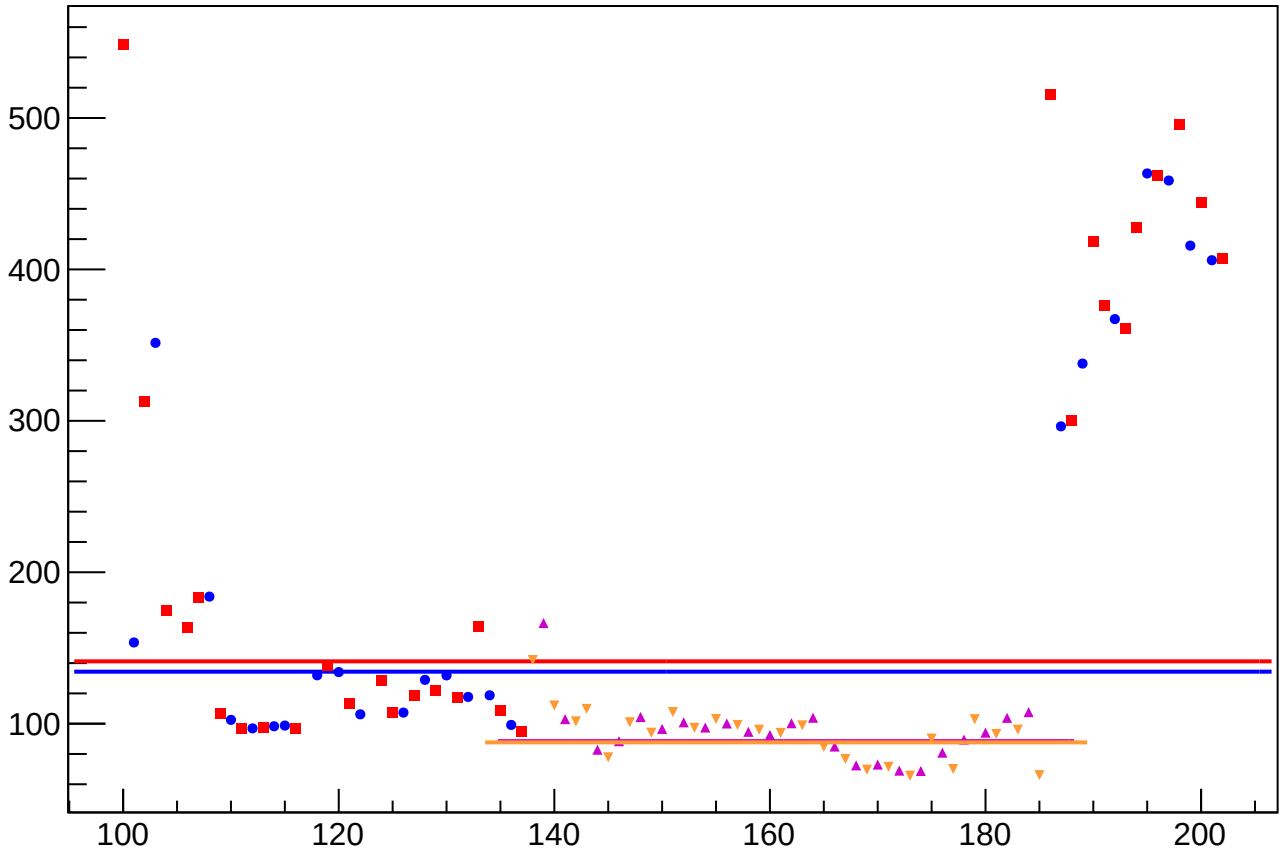
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 49.708+/-31.160 χ^2/NDF: 63.6/51

In: 51.101+/-19.088 χ^2/NDF:48.4/45

Out: 54.451+/-18.515 χ^2/NDF:99.5/53

All: 52.827+/-13.290 χ^2/NDF: 147.9/99



Right In: 134.342+/-0.031 χ^2/NDF: 5622550.9/22

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 141.179+/-0.031 χ^2/NDF: 7500308.1/28

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

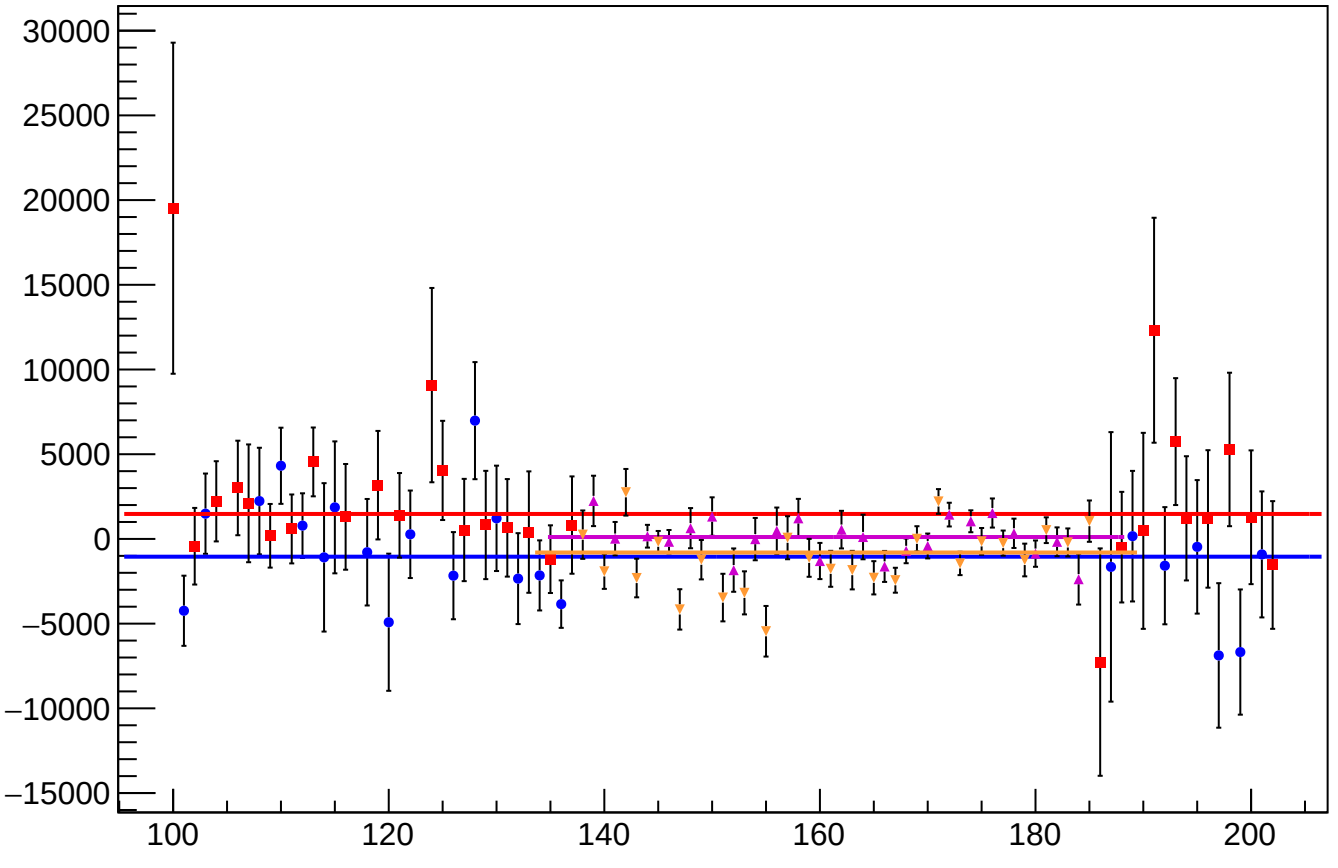
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 137.791+/-0.022 χ^2/NDF: 13146926.4/51

In: 97.011+/-0.013 χ^2/NDF:8445850.6/45

Out: 97.188+/-0.013 χ^2/NDF:11159955.5/53

All: 97.102+/-0.009 χ^2/NDF: 19605895.1/99



Right In: -1048.728+/-571.022 χ^2/NDF: 27.9/22

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1473.645+/-558.397 χ^2/NDF: 19.9/28

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

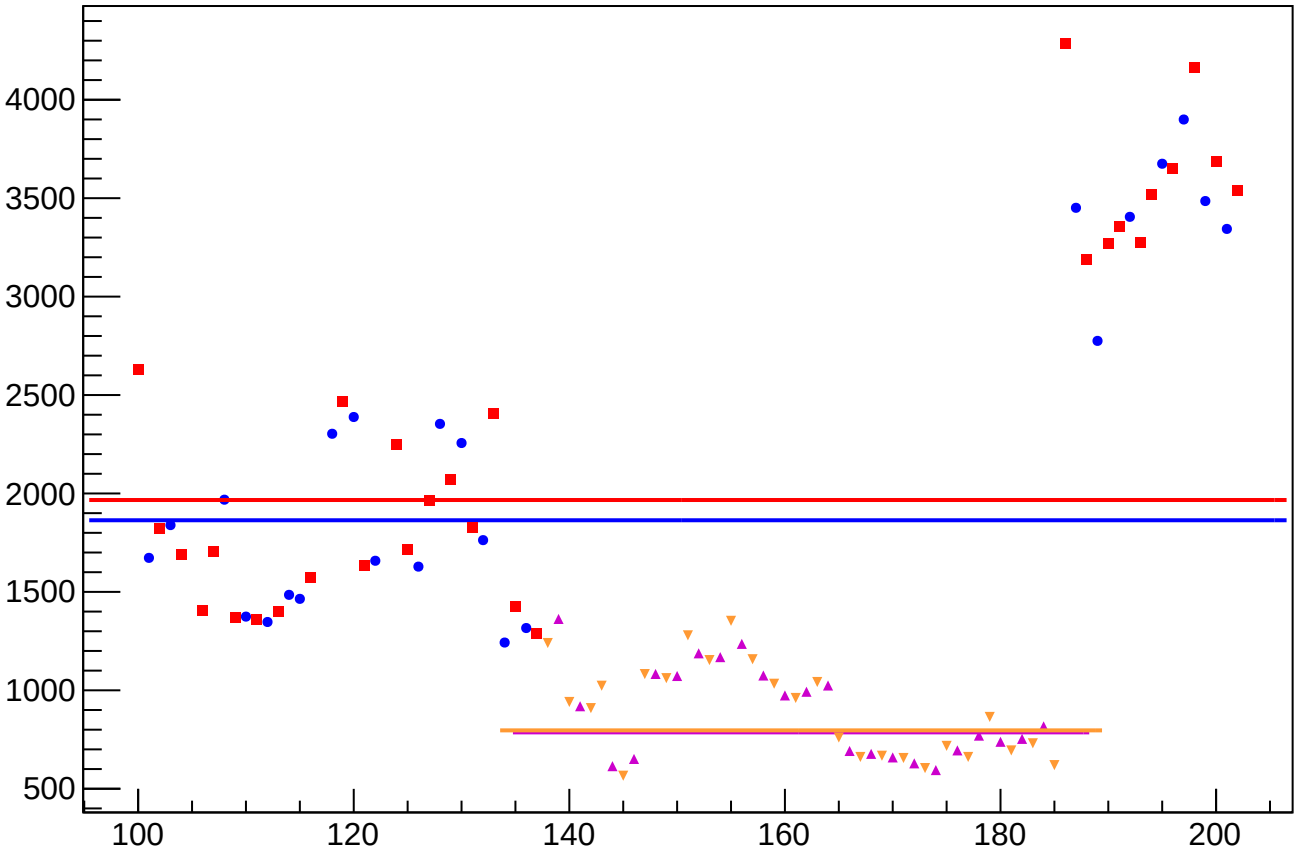
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 240.651+/-399.235 χ^2/NDF: 57.8/51

In: -3.558+/-180.512 χ^2/NDF:58.7/45

Out: -570.404+/-177.964 χ^2/NDF:106.7/53

All: -291.010+/-126.731 χ^2/NDF: 170.4/99



Right In: 1863.883+/-0.404 χ^2/NDF: 3128120.3/22

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1966.726+/-0.395 χ^2/NDF: 3960601.9/28

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

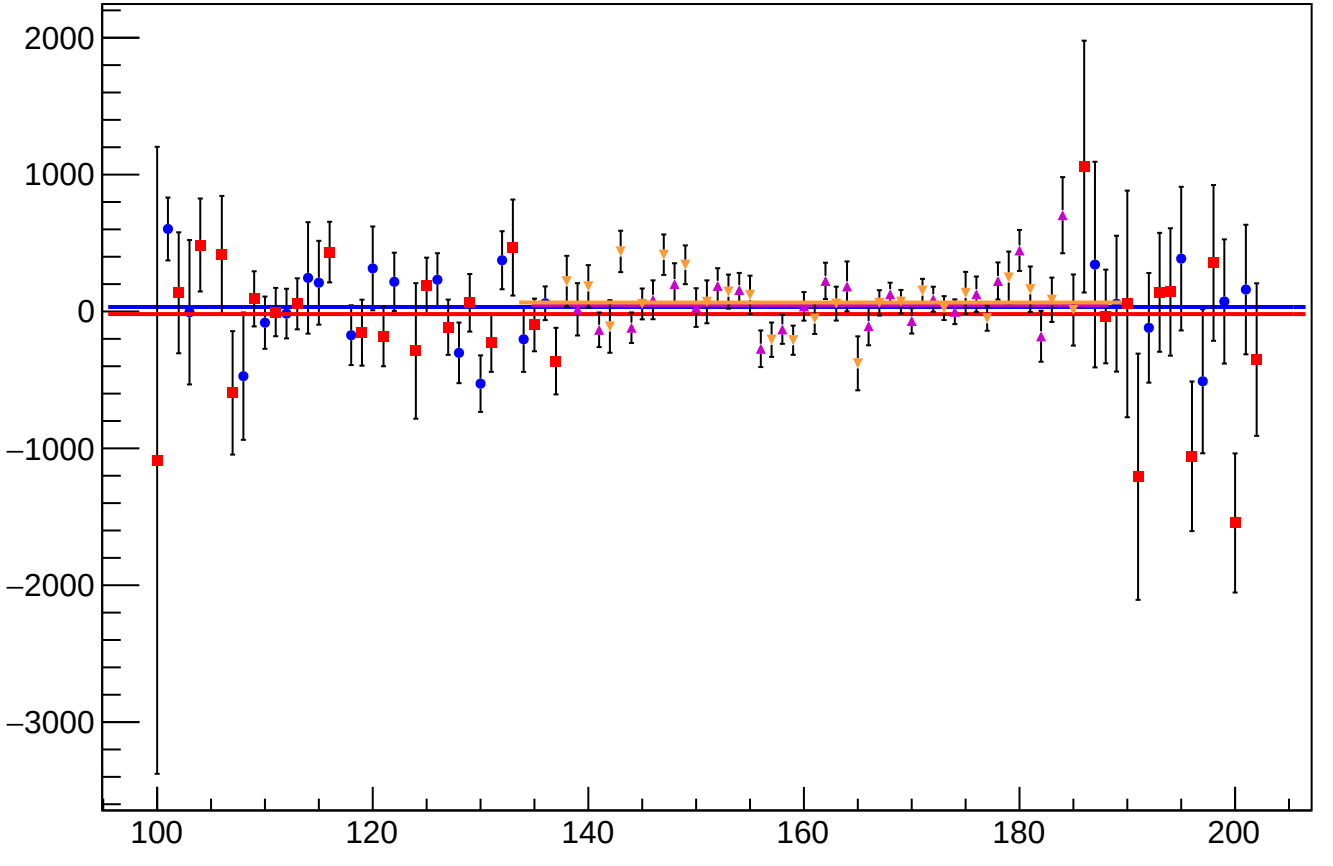
Right: 1916.454+/-0.282 χ^2/NDF: 7121884.6/51

In: 894.018+/-0.128 χ^2/NDF:11694916.7/45

Out: 915.385+/-0.126 χ^2/NDF:14269779.0/53

All: 904.853+/-0.090 χ^2/NDF: 25978905.9/99

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 32.836+/-52.681 χ^2/NDF: 27.1/22

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -18.916+/-53.170 χ^2/NDF: 34.3/28

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

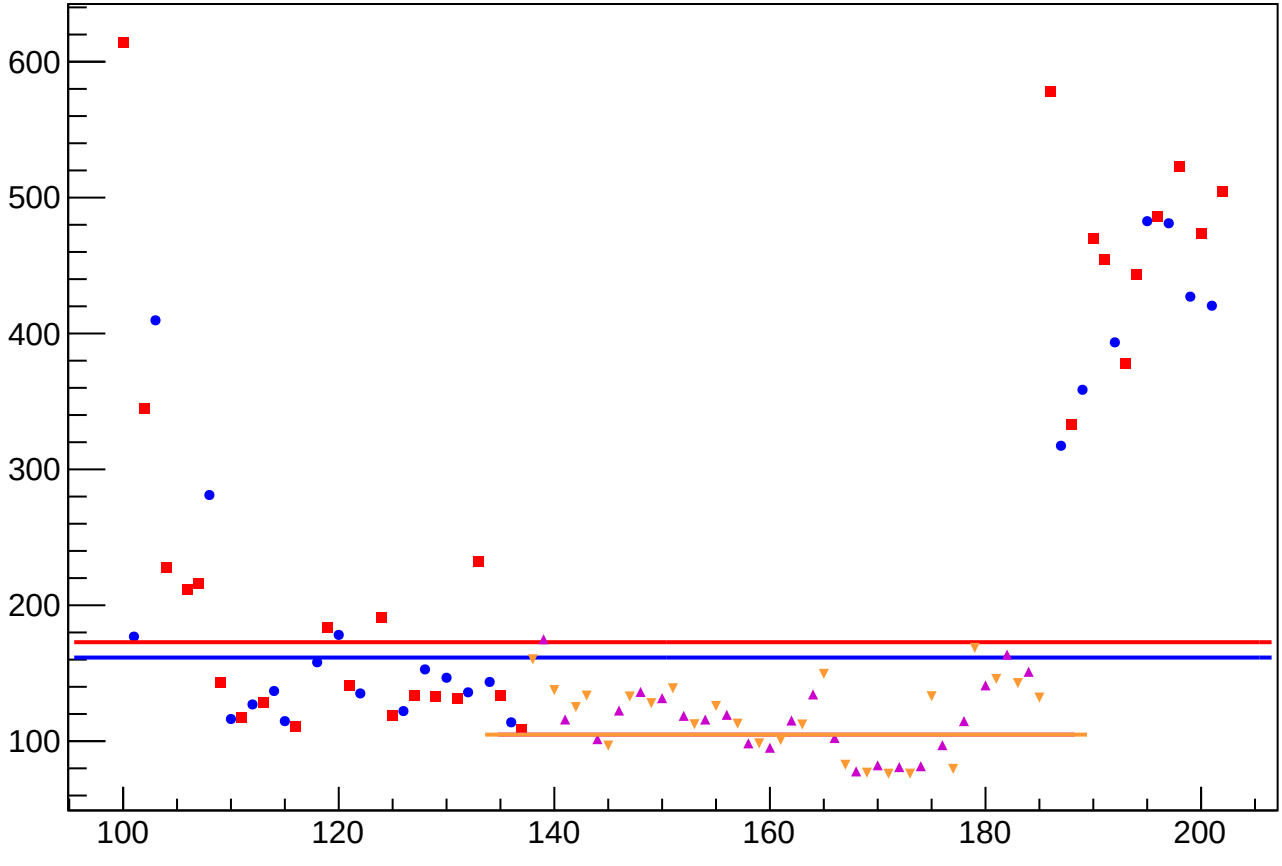
Right: 7.199+/-37.423 χ^2/NDF: 61.9/51

In: 44.309+/-23.095 χ^2/NDF:65.8/45

Out: 50.322+/-22.668 χ^2/NDF:76.4/53

All: 47.372+/-16.178 χ^2/NDF: 142.2/99

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 161.536+/-0.037 χ^2/NDF: 5138995.9/22

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 172.831+/-0.038 χ^2/NDF: 6891239.3/28

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

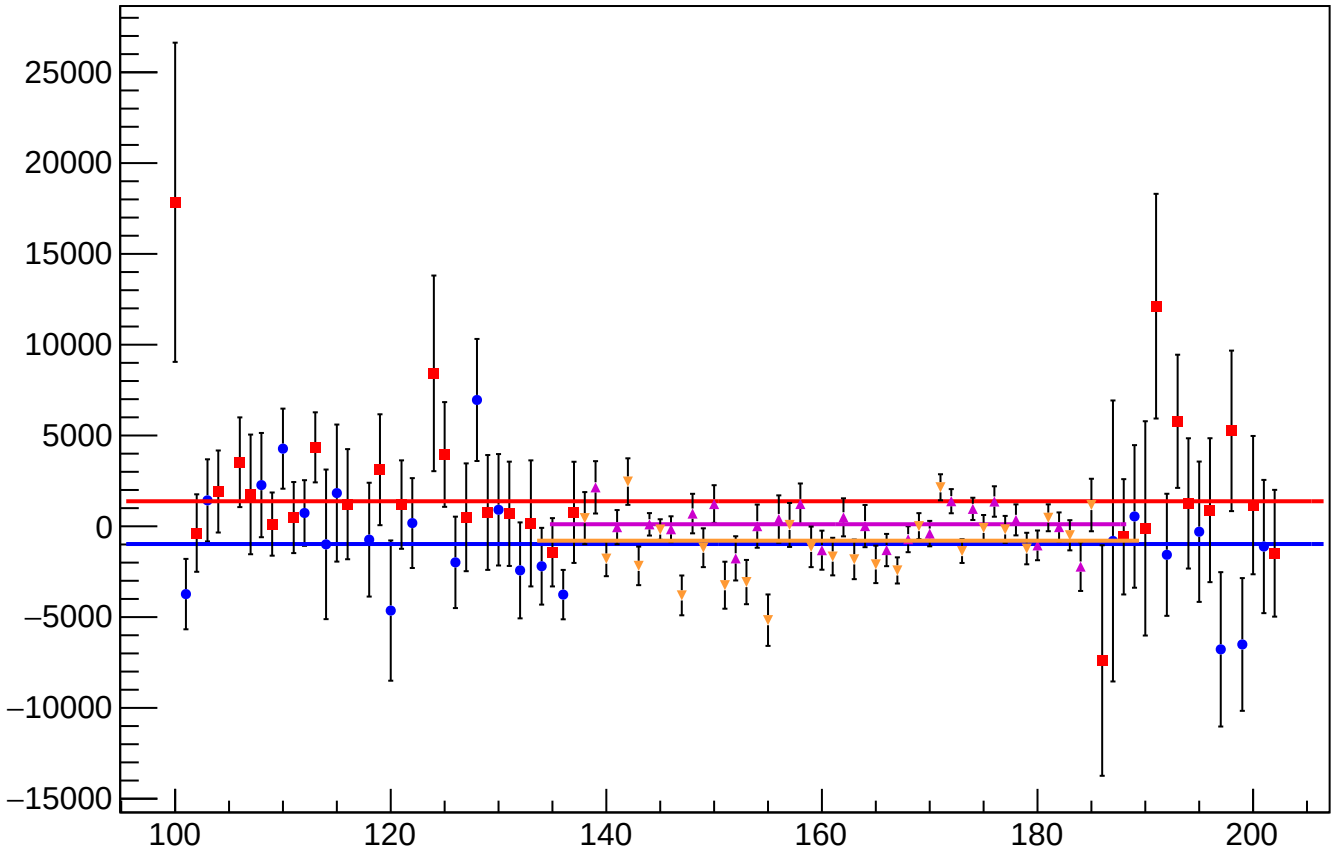
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 167.132+/-0.026 χ^2/NDF: 12075780.3/51

In: 115.732+/-0.016 χ^2/NDF:8625080.6/45

Out: 117.173+/-0.016 χ^2/NDF:11812371.8/53

All: 116.466+/-0.011 χ^2/NDF: 20441418.3/99



Right In: -975.856+/-553.967 χ^2/NDF: 28.0/22

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1379.019+/-533.689 χ^2/NDF: 21.8/28

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

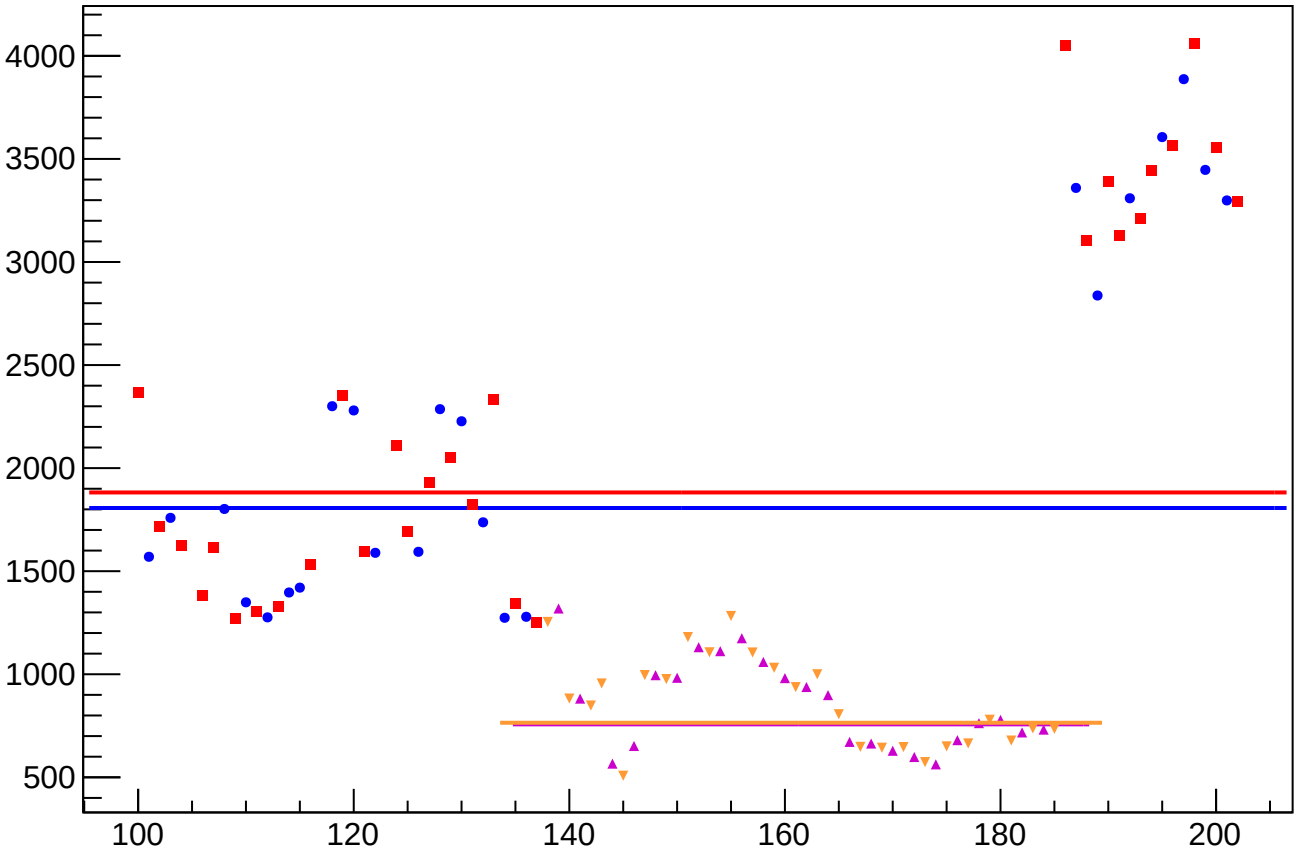
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 245.469+/-384.344 χ^2/NDF: 59.2/51

In: 6.347+/-173.872 χ^2/NDF:57.8/45

Out: -571.451+/-170.472 χ^2/NDF:106.7/53

All: -288.256+/-121.726 χ^2/NDF: 170.1/99



Right In: 1806.537+/-0.392 χ^2/NDF: 3212392.9/22

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1881.935+/-0.377 χ^2/NDF: 4090277.7/28

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

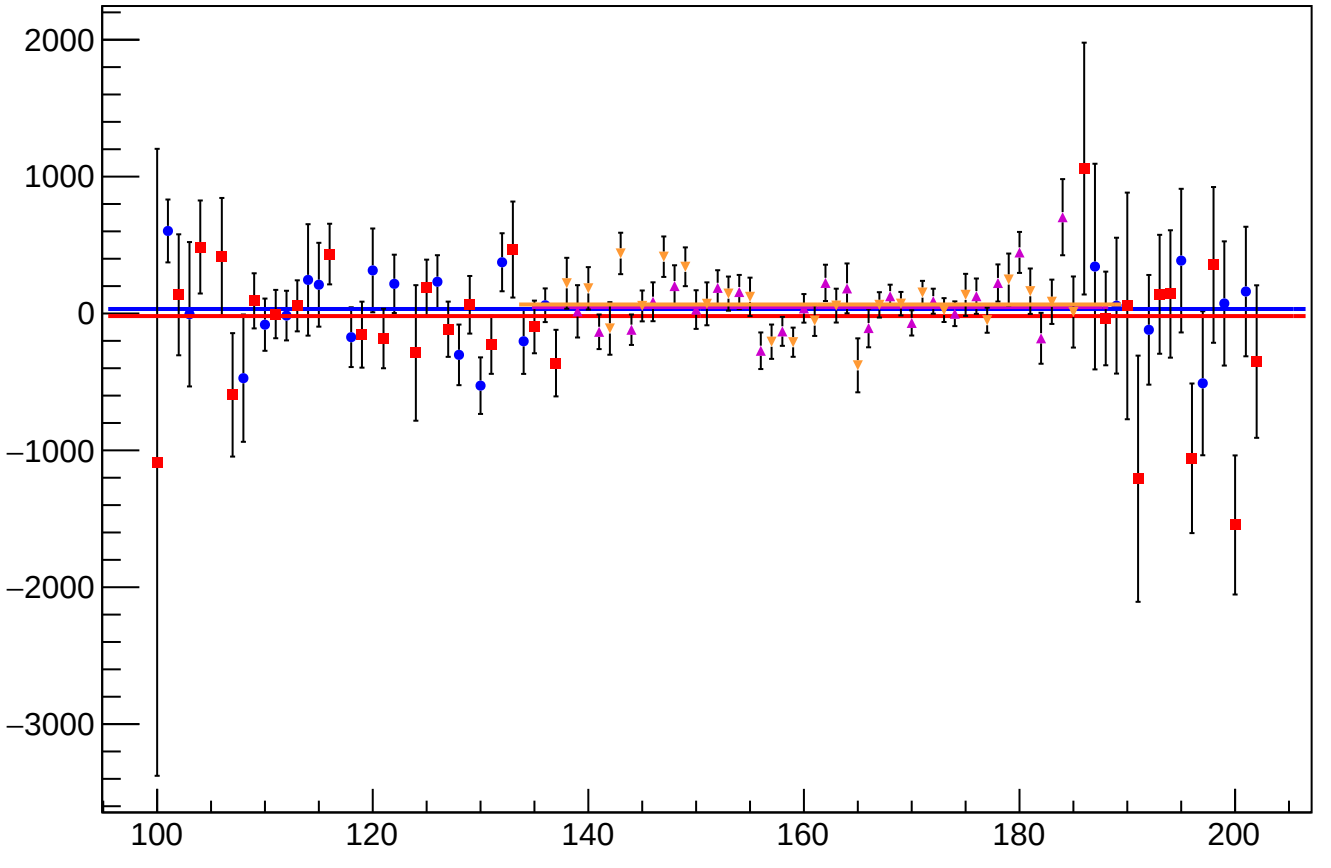
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1845.641+/-0.272 χ^2/NDF: 7321885.9/51

In: 860.326+/-0.123 χ^2/NDF:11800269.9/45

Out: 878.723+/-0.121 χ^2/NDF:14385874.5/53

All: 869.706+/-0.086 χ^2/NDF: 26197560.2/99



Right In: 32.835+/-52.682 χ^2/NDF: 27.1/22

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -18.919+/-53.171 χ^2/NDF: 34.3/28

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

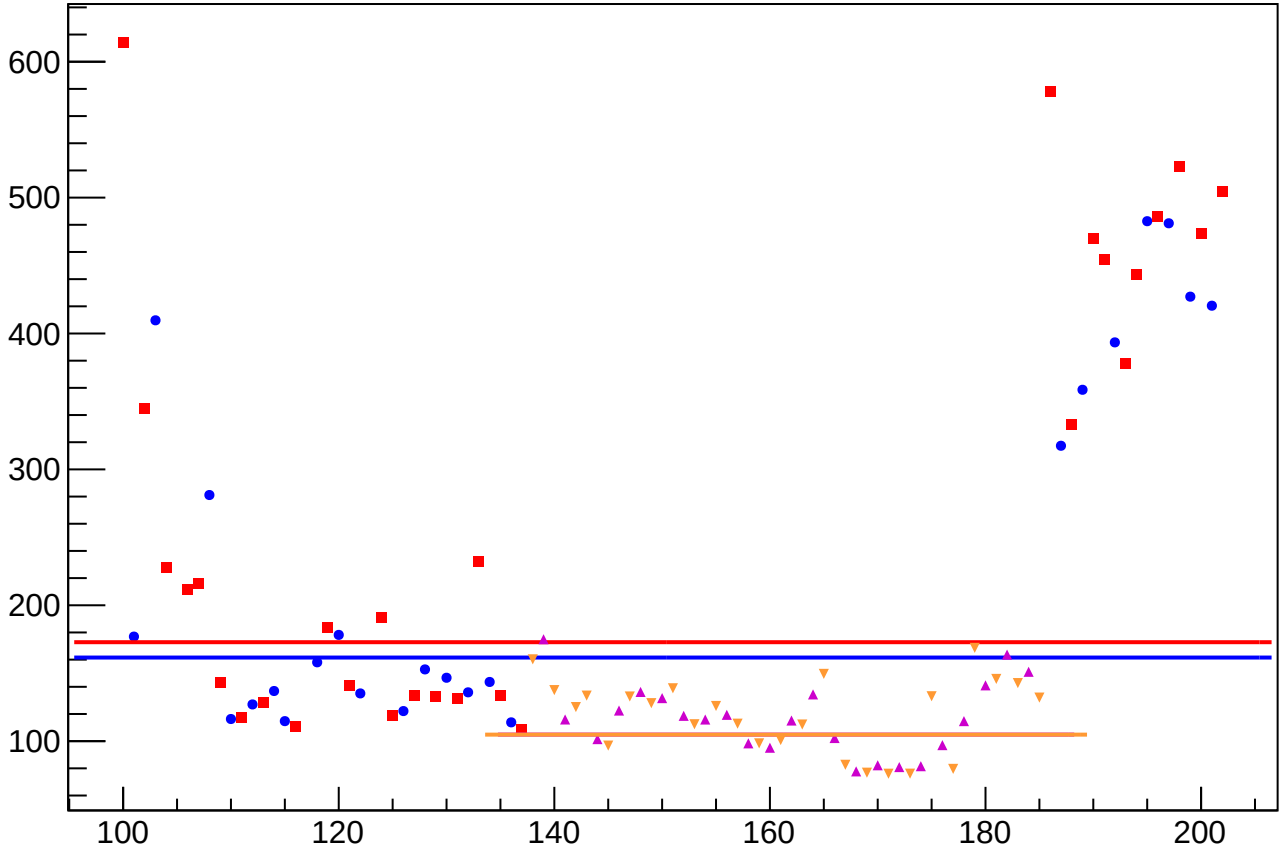
Right: 7.197+/-37.423 χ^2/NDF: 61.9/51

In: 44.308+/-23.095 χ^2/NDF:65.8/45

Out: 50.323+/-22.668 χ^2/NDF:76.4/53

All: 47.372+/-16.178 χ^2/NDF: 142.2/99

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 161.537+/-0.037 χ^2/NDF: 5138992.9/22

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 172.832+/-0.038 χ^2/NDF: 6891230.4/28

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

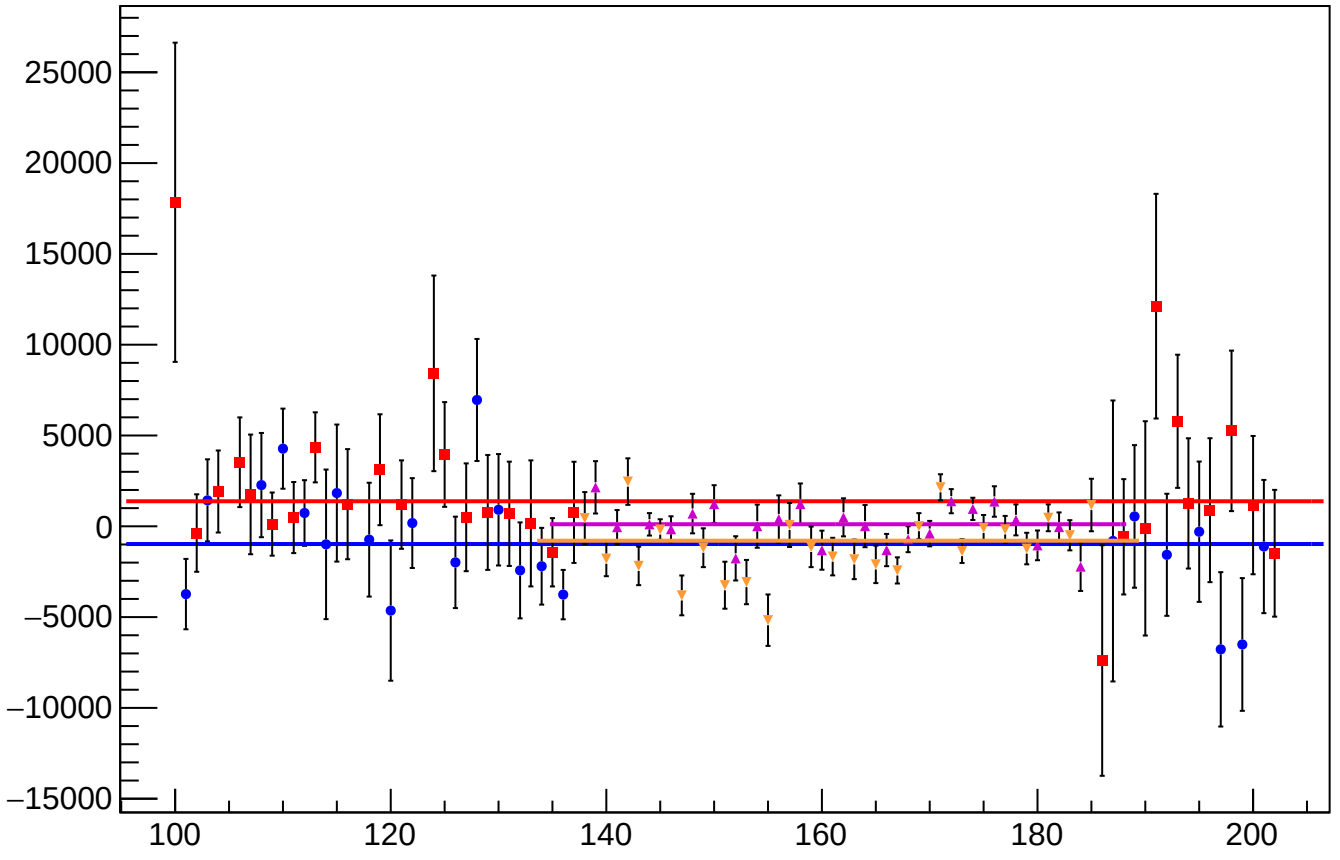
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 167.132+/-0.026 χ^2/NDF: 12075770.3/51

In: 115.732+/-0.016 χ^2/NDF:8625079.9/45

Out: 117.174+/-0.016 χ^2/NDF:11812387.3/53

All: 116.466+/-0.011 χ^2/NDF: 20441433.3/99



Right In: -975.853+/-553.966 χ^2/NDF: 28.0/22

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1379.018+/-533.689 χ^2/NDF: 21.8/28

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

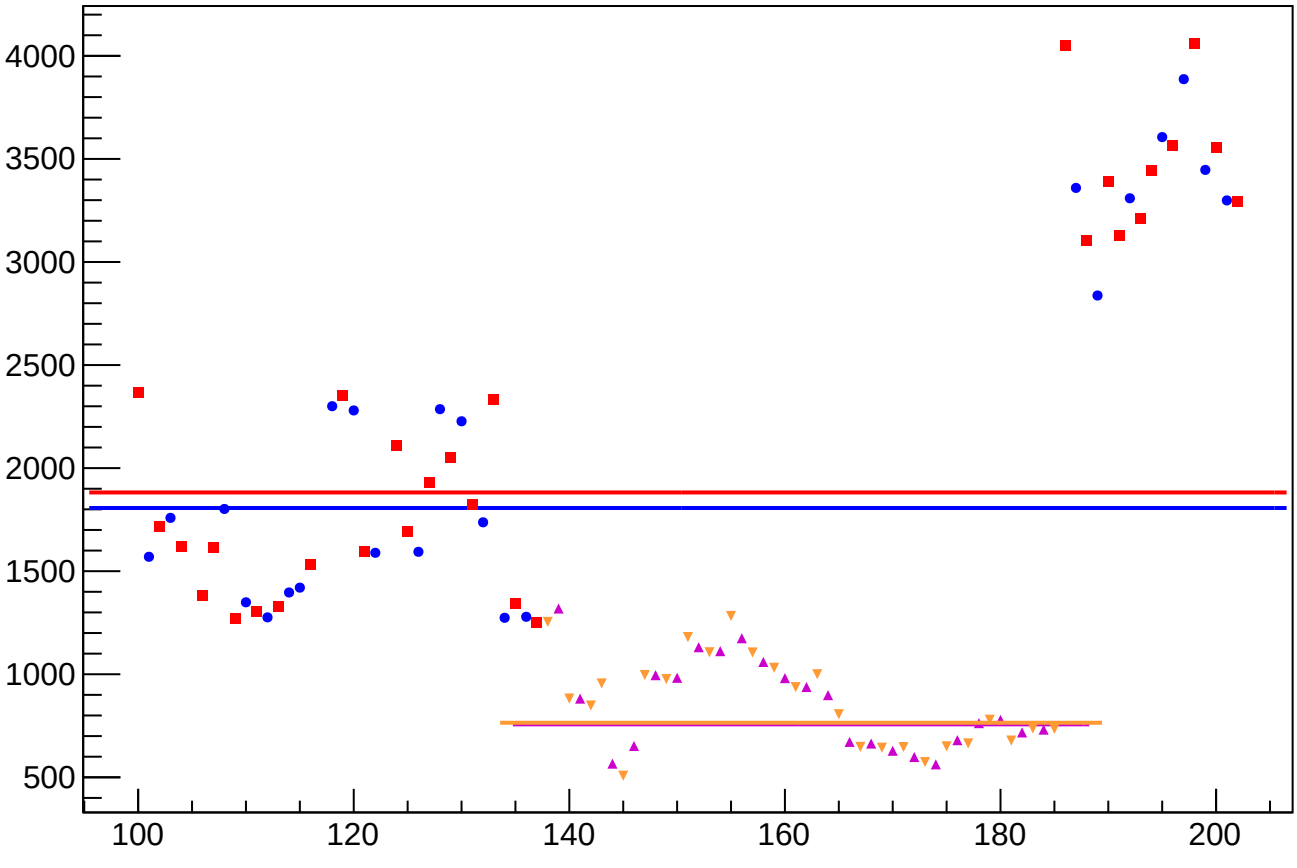
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 245.470+/-384.344 χ^2/NDF: 59.2/51

In: 6.347+/-173.872 χ^2/NDF:57.8/45

Out: -571.452+/-170.472 χ^2/NDF:106.7/53

All: -288.256+/-121.726 χ^2/NDF: 170.1/99



Right In: 1806.535+/-0.392 χ^2/NDF: 3212391.3/22

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1881.932+/-0.377 χ^2/NDF: 4090278.4/28

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

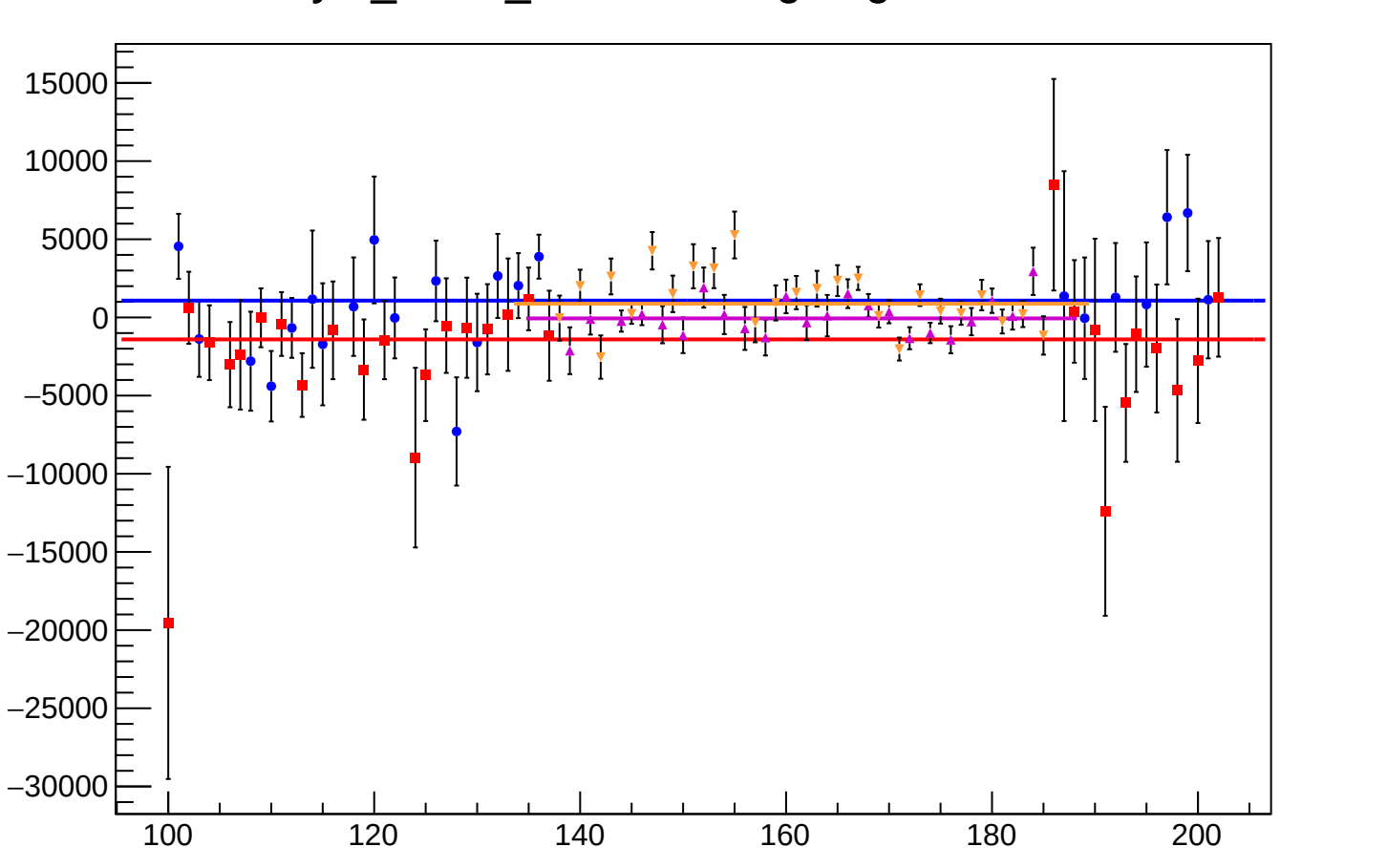
Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

Right: 1845.639+/-0.272 χ^2/NDF: 7321884.7/51

In: 860.325+/-0.123 χ^2/NDF:11800261.9/45

Out: 878.722+/-0.121 χ^2/NDF:14385860.7/53

All: 869.705+/-0.086 χ^2/NDF: 26197538.5/99



Right In: 1076.157+/-573.826 χ^2/NDF: 29.0/22

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1405.136+/-560.569 χ^2/NDF: 19.6/28

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

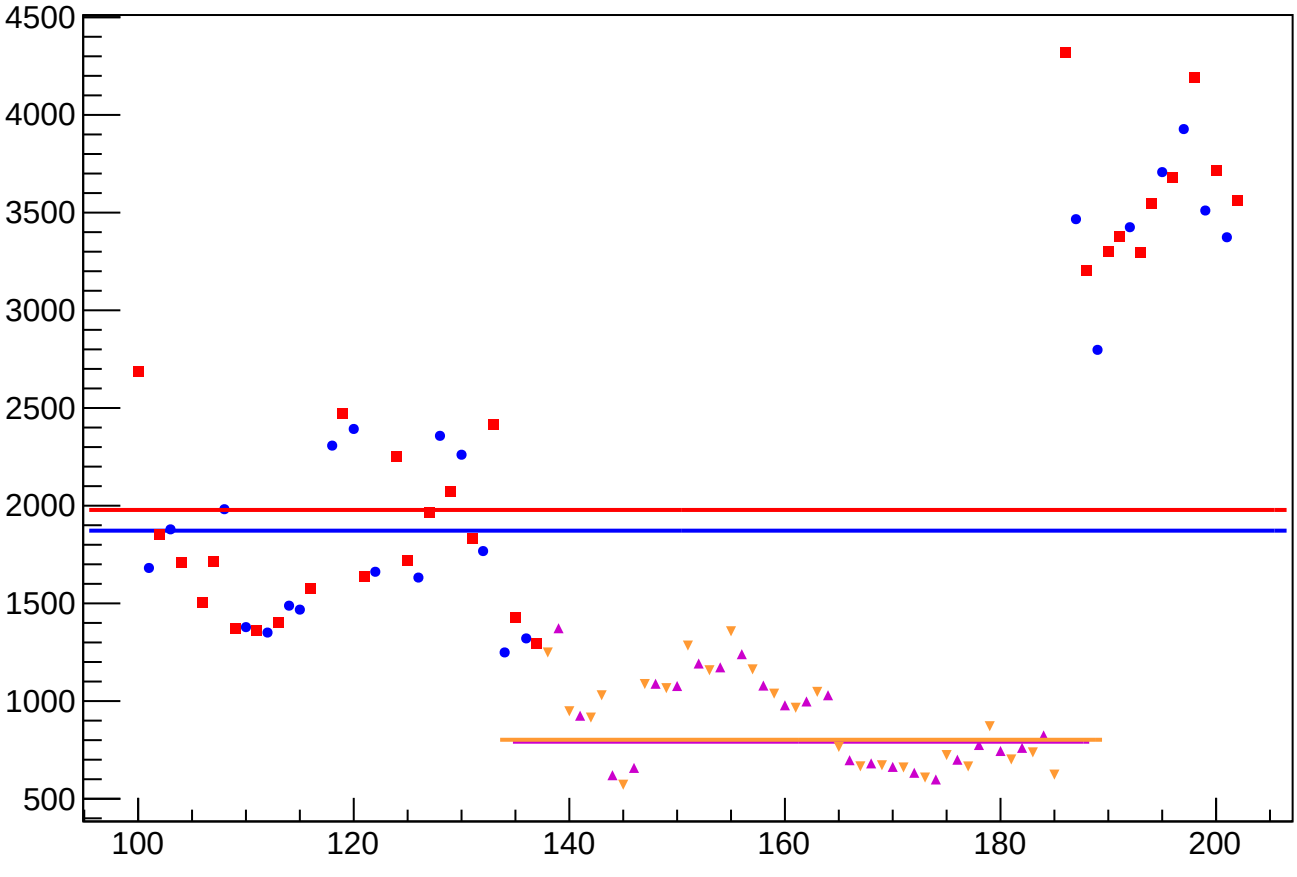
Right: -193.484+/-400.987 χ^2/NDF: 58.1/51

In: 51.481+/-181.734 χ^2/NDF:59.6/45

Out: 643.596+/-179.093 χ^2/NDF:101.7/53

All: 351.872+/-127.561 χ^2/NDF: 166.7/99

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1872.212+/-0.406 χ^2/NDF: 3146660.2/22

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1978.192+/-0.396 χ^2/NDF: 3963118.6/28

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

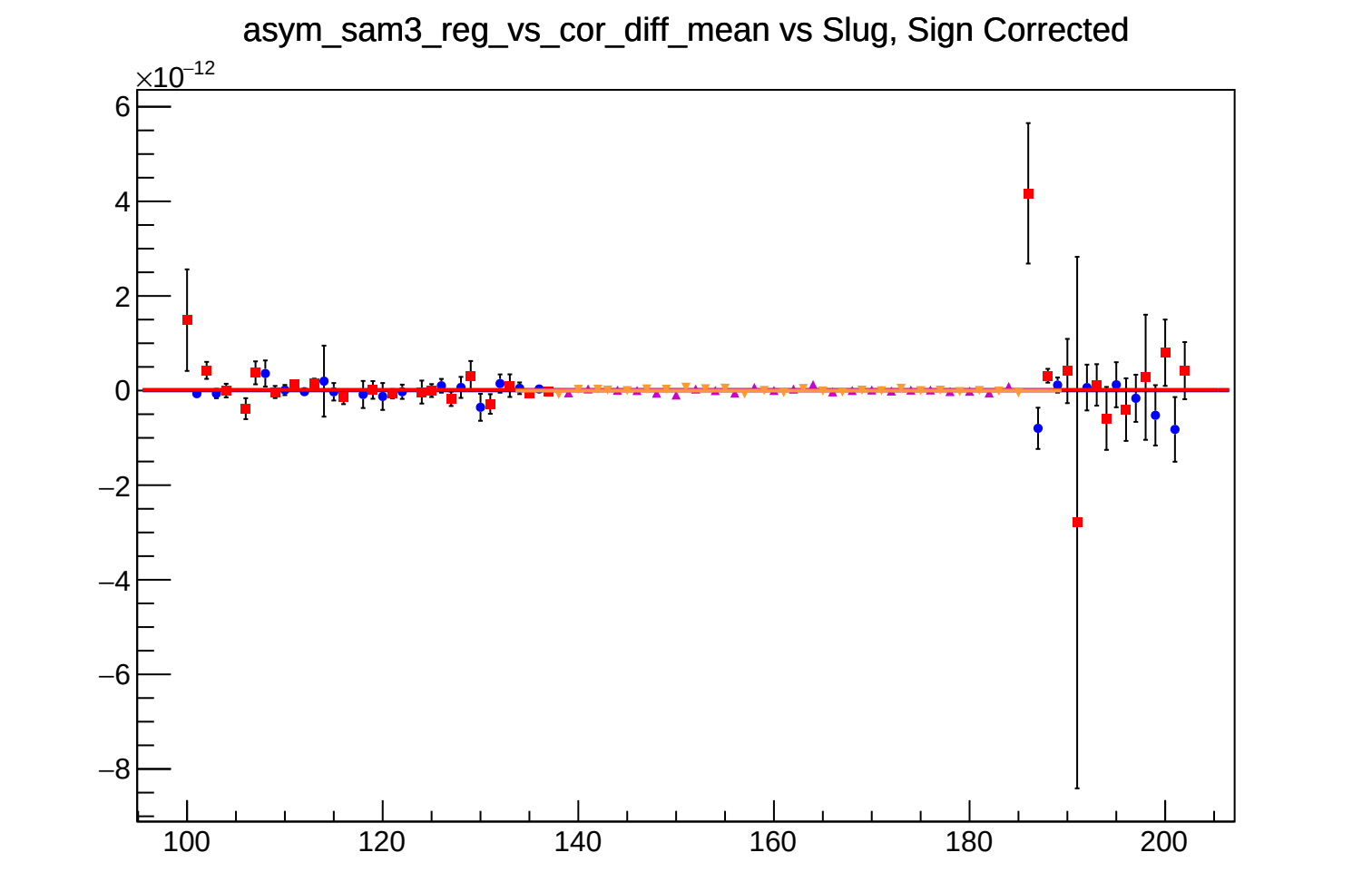
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

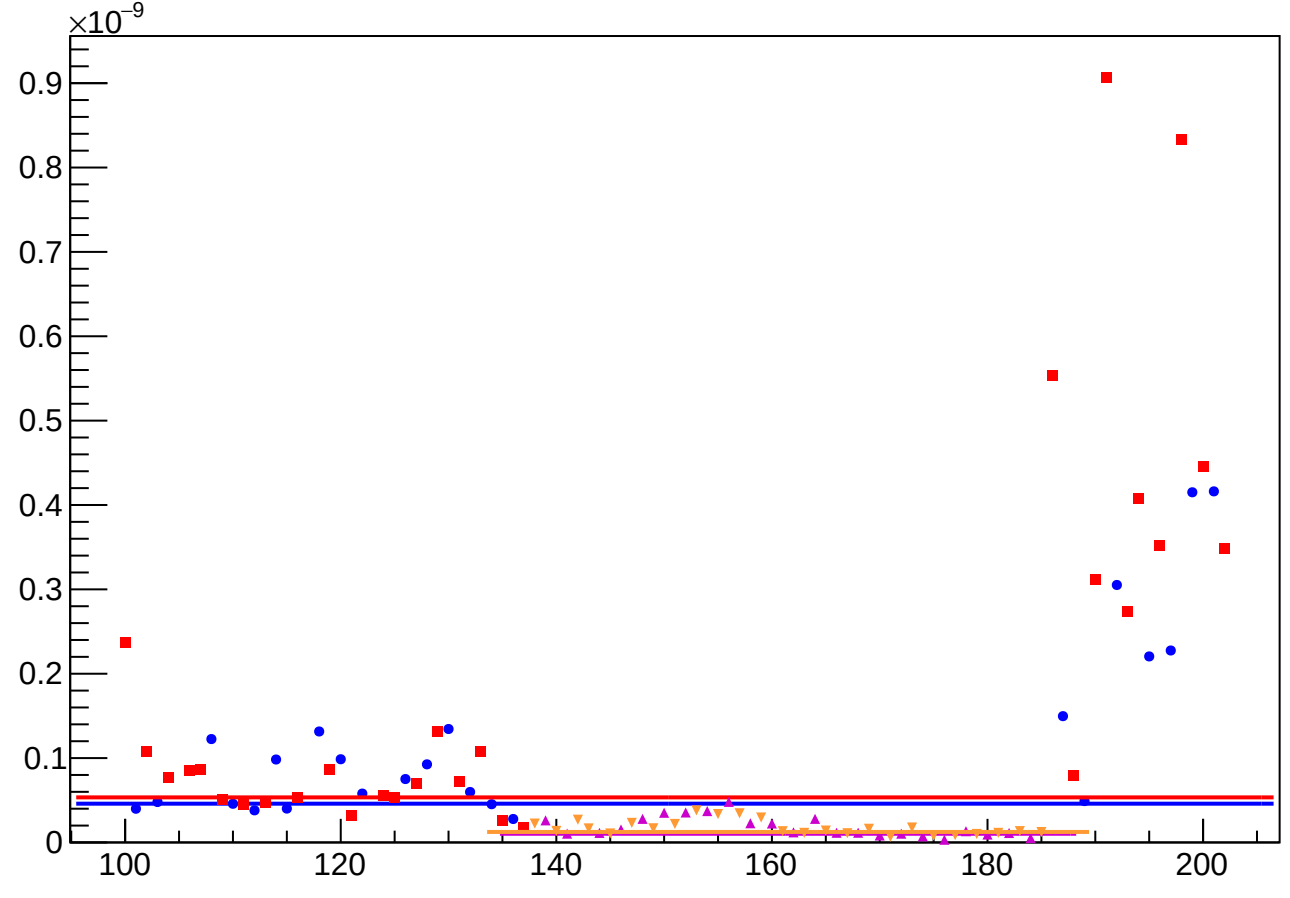
Right: 1926.440+/-0.284 χ^2/NDF: 7144686.8/51

In: 900.402+/-0.129 χ^2/NDF:11658046.3/45

Out: 922.067+/-0.127 χ^2/NDF:14265214.1/53

All: 911.393+/-0.090 χ^2/NDF: 25937680.8/99


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
Right In: 0.000+/-0.000 χ²/NDF: 13.1/22
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 39.3/28
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: 52.5/51
In: 0.000+/-0.000 χ²/NDF:44.6/45
Out: -0.000+/-0.000 χ²/NDF:63.6/53
All: 0.000+/-0.000 χ²/NDF: 109.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 3664661.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5403806.2/28

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

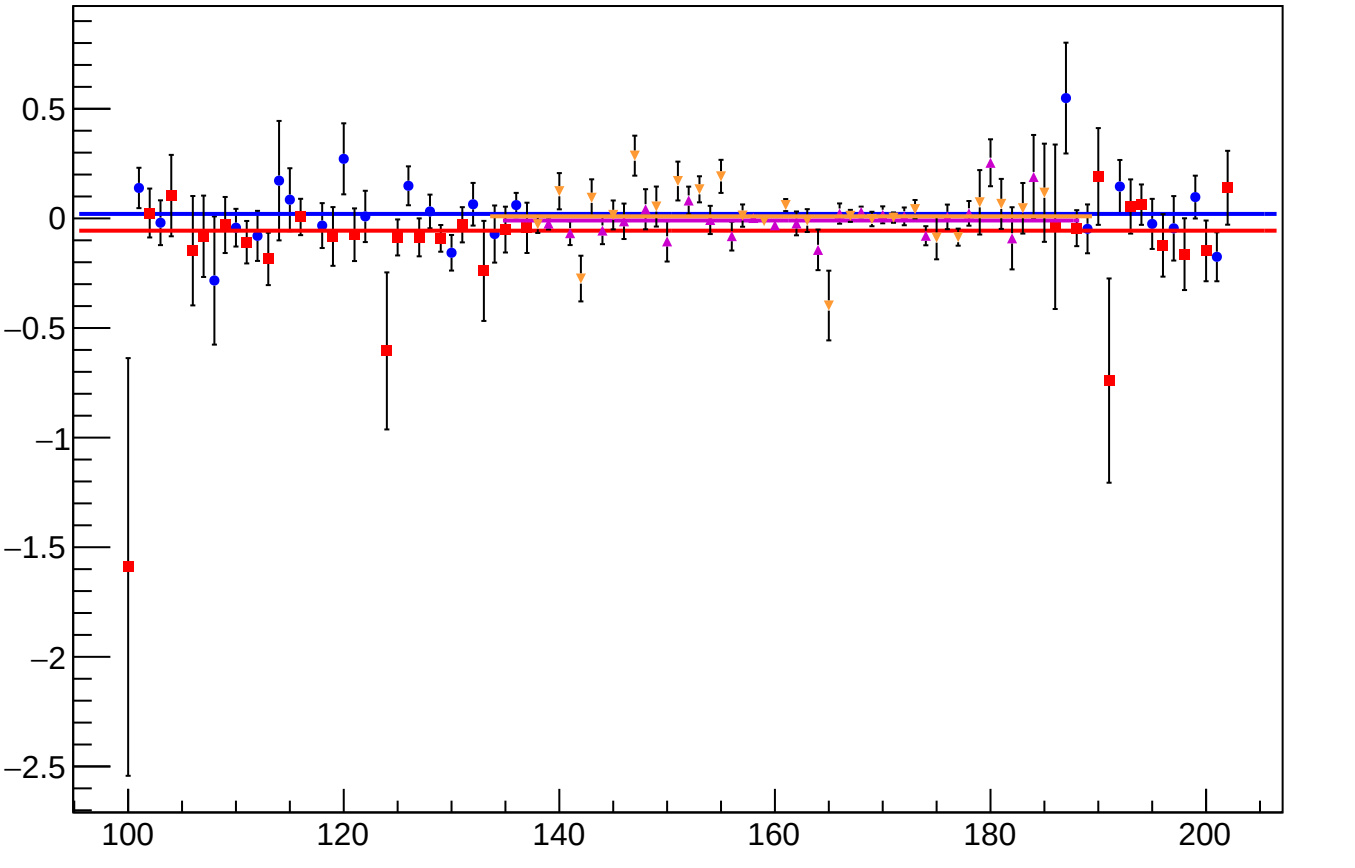
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9139286.3/51

In: 0.000+/-0.000 χ^2/NDF:10804649.7/45

Out: 0.000+/-0.000 χ^2/NDF:11358834.1/53

All: 0.000+/-0.000 χ^2/NDF: 22365317.1/99



Right In: 0.020+/-0.022 χ^2/NDF: 25.4/22

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.022 χ^2/NDF: 18.2/28

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

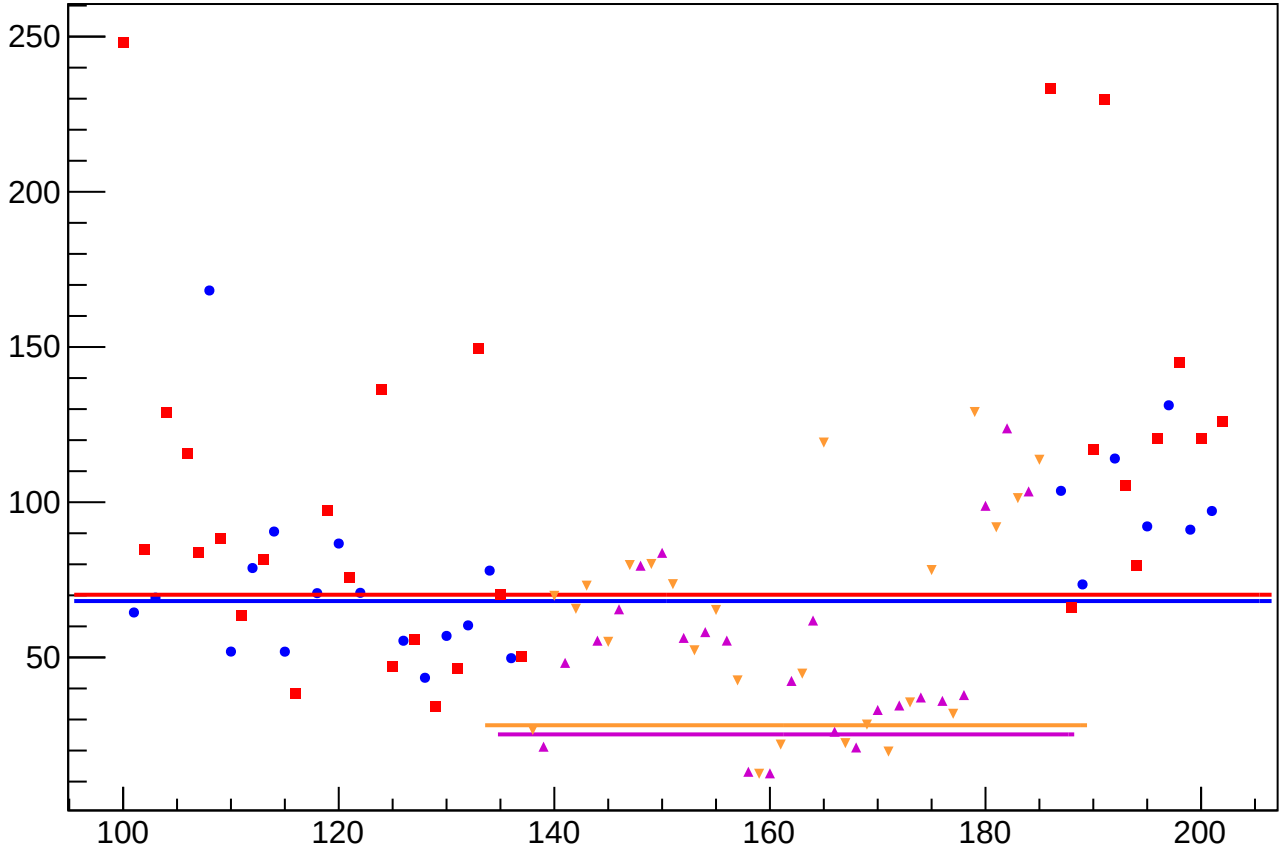
Right: -0.018+/-0.015 χ^2/NDF: 49.7/51

In: -0.006+/-0.007 χ^2/NDF:52.2/45

Out: 0.001+/-0.008 χ^2/NDF:80.7/53

All: -0.003+/-0.005 χ^2/NDF: 133.3/99

asym_sam3_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.159+/-0.015 χ^2/NDF: 1959344.9/22

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.197+/-0.015 χ^2/NDF: 4326043.5/28

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

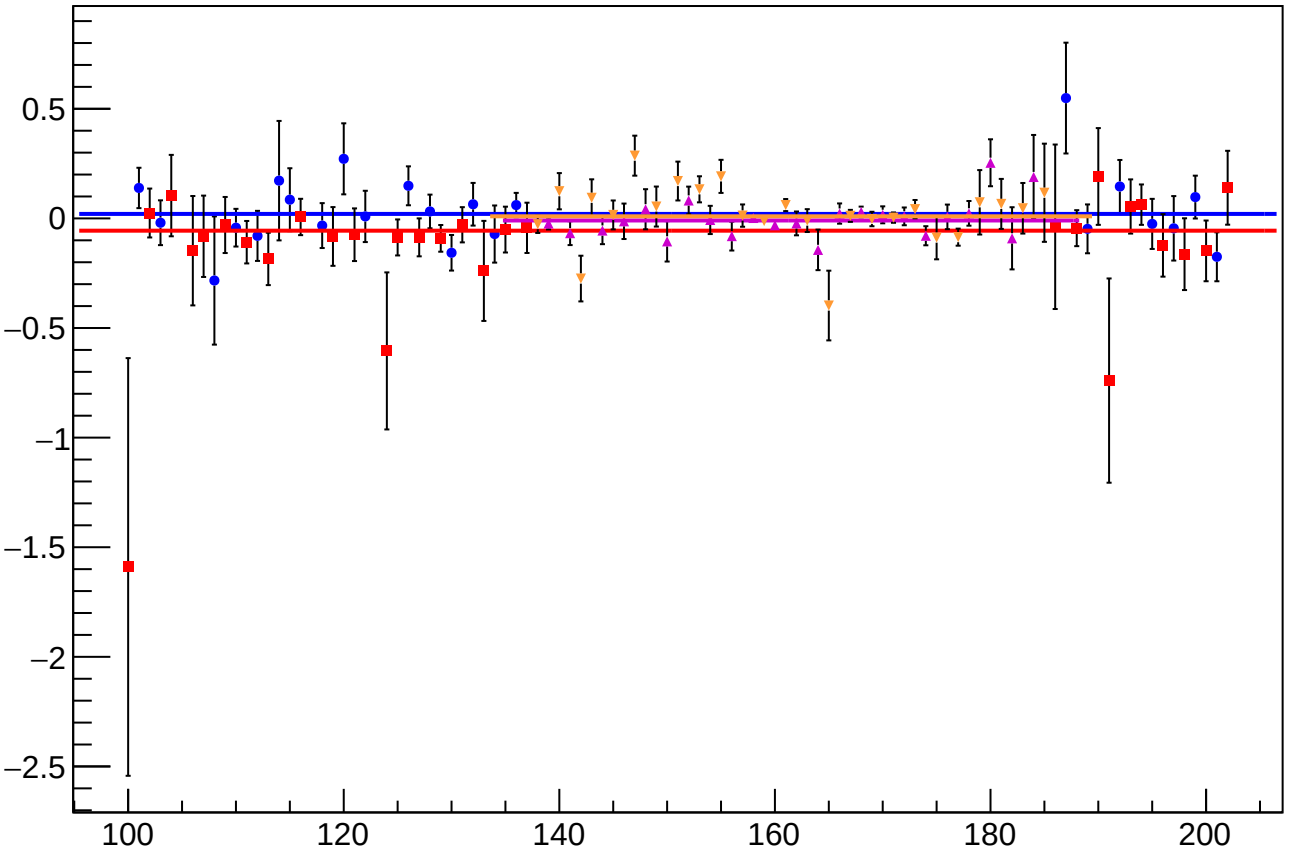
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.175+/-0.011 χ^2/NDF: 6294142.0/51

In: 30.241+/-0.005 χ^2/NDF:18812490.8/45

Out: 33.649+/-0.006 χ^2/NDF:21859863.6/53

All: 31.847+/-0.004 χ^2/NDF: 40869870.7/99



Right In: 0.020+/-0.022 χ^2/NDF: 25.4/22

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.022 χ^2/NDF: 18.2/28

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

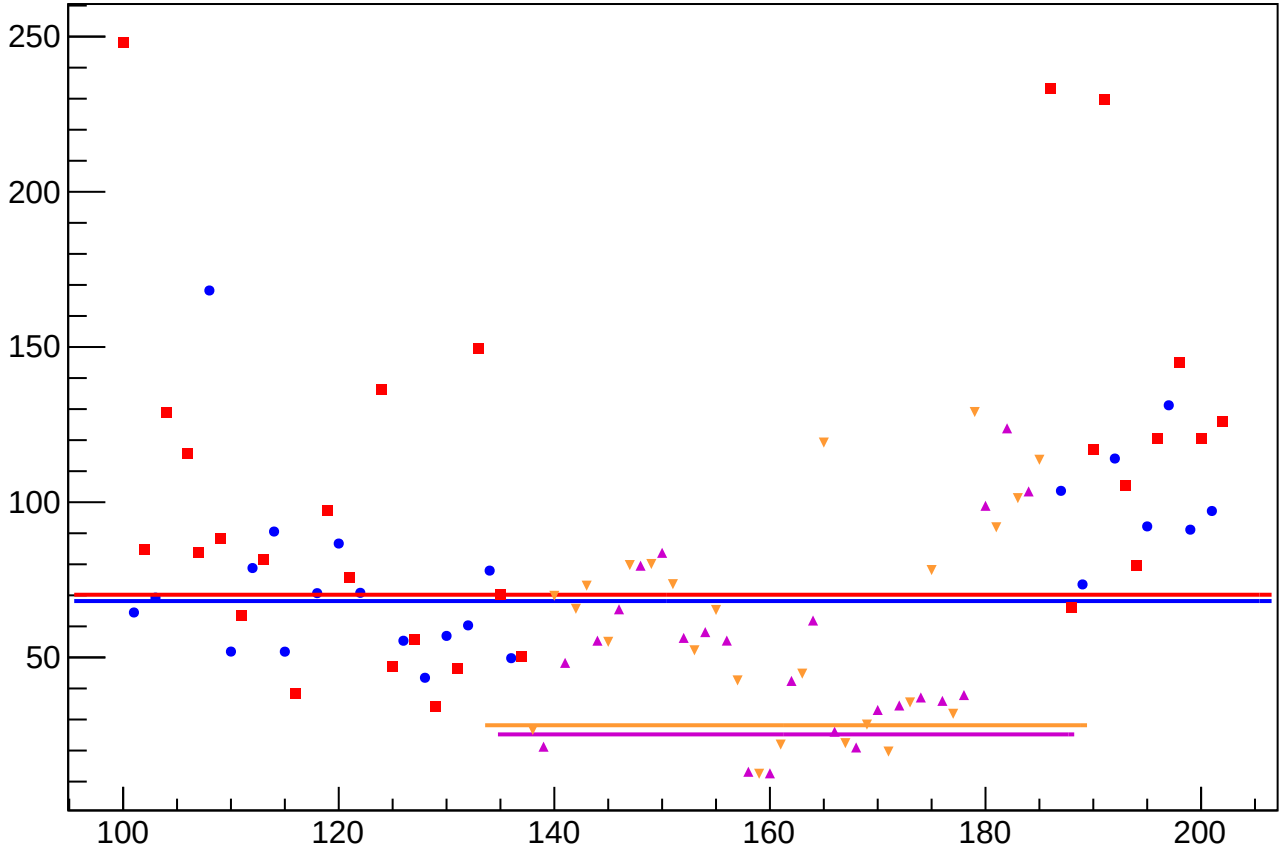
Right: -0.018+/-0.015 χ^2/NDF: 49.7/51

In: -0.006+/-0.007 χ^2/NDF:52.2/45

Out: 0.001+/-0.008 χ^2/NDF:80.7/53

All: -0.003+/-0.005 χ^2/NDF: 133.3/99

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.159+/-0.015 χ^2/NDF: 1959344.9/22

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.197+/-0.015 χ^2/NDF: 4326043.5/28

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

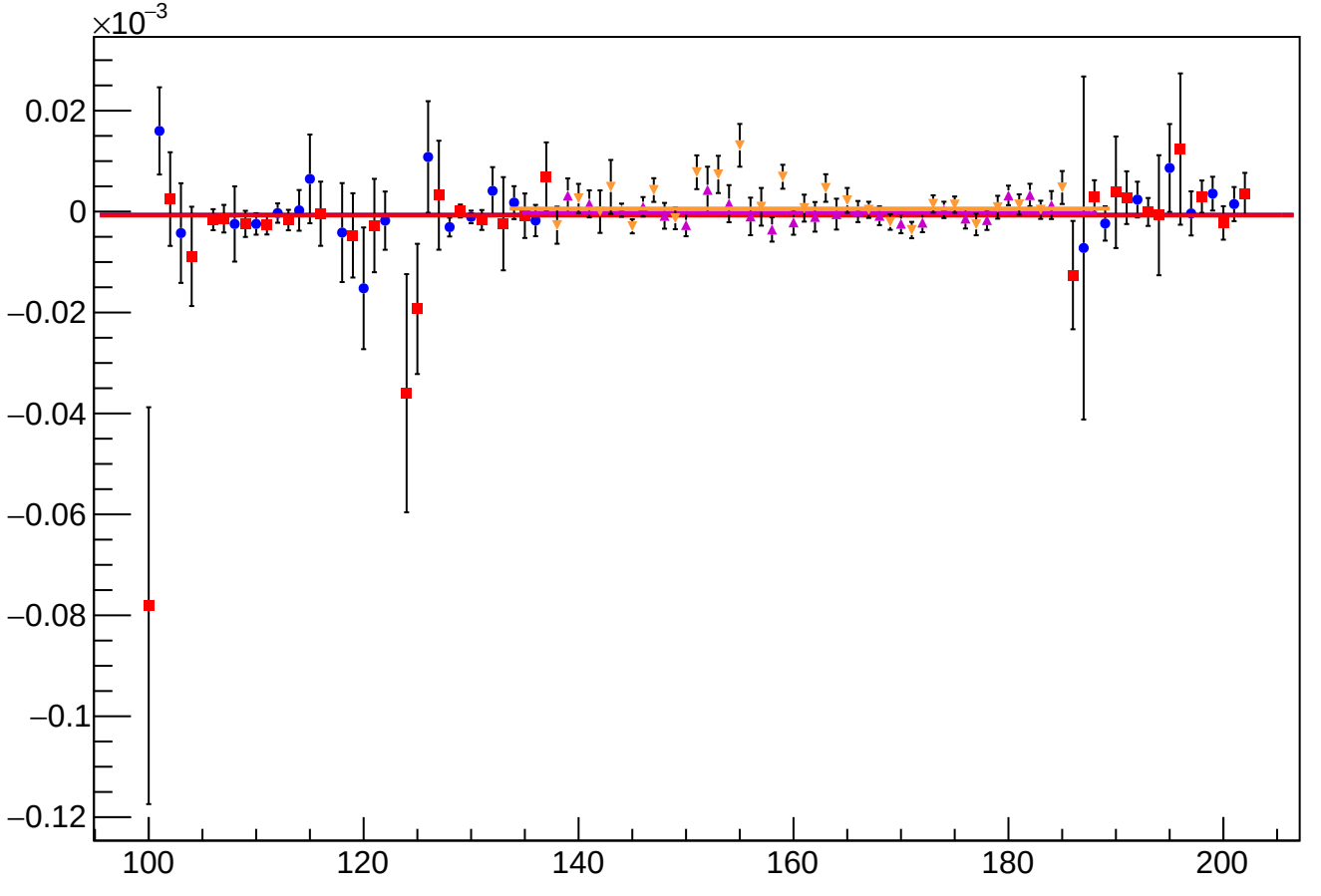
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.175+/-0.011 χ^2/NDF: 6294142.0/51

In: 30.241+/-0.005 χ^2/NDF:18812490.8/45

Out: 33.649+/-0.006 χ^2/NDF:21859863.6/53

All: 31.847+/-0.004 χ^2/NDF: 40869870.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/28

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

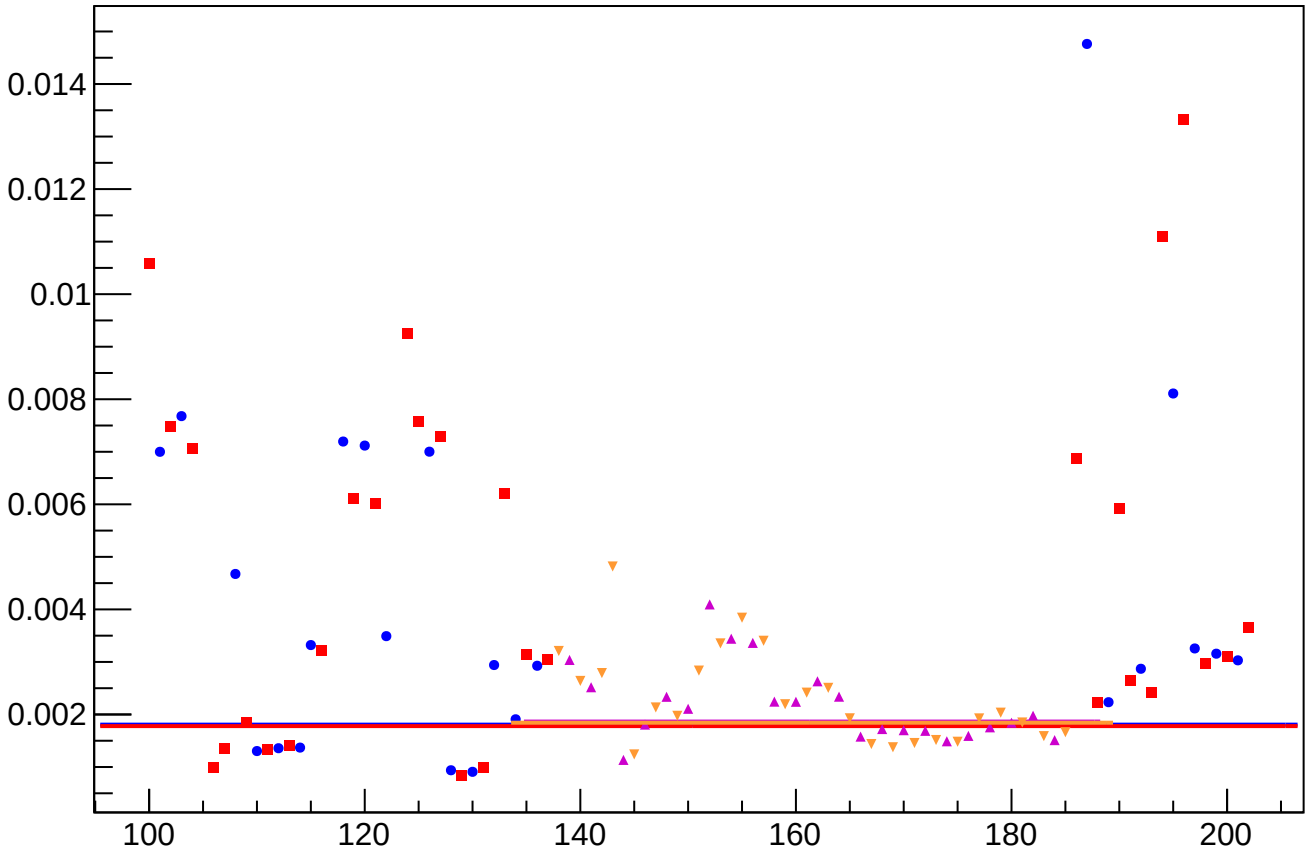
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 35.1/51

In: -0.000+/-0.000 χ^2/NDF:32.4/45

Out: 0.000+/-0.000 χ^2/NDF:75.1/53

All: -0.000+/-0.000 χ^2/NDF: 108.4/99



Right In: 0.002+/-0.000 χ^2/NDF: 7834340.3/22

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10585546.2/28

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

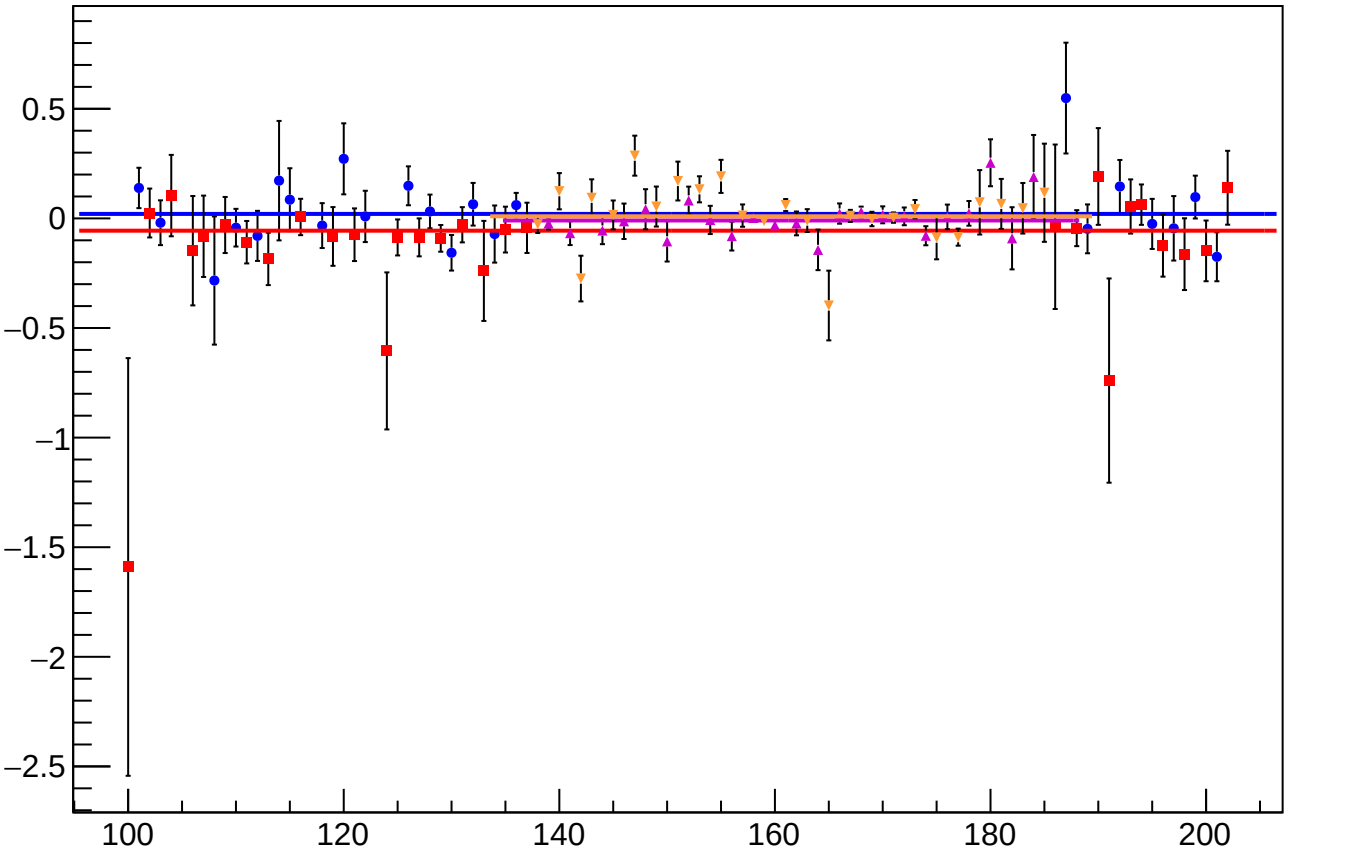
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 18421731.6/51

In: 0.002+/-0.000 χ^2/NDF:10638937.4/45

Out: 0.002+/-0.000 χ^2/NDF:14383000.9/53

All: 0.002+/-0.000 χ^2/NDF: 25026400.6/99



Right In: 0.020+/-0.022 χ^2/NDF: 25.4/22

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.022 χ^2/NDF: 18.2/28

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

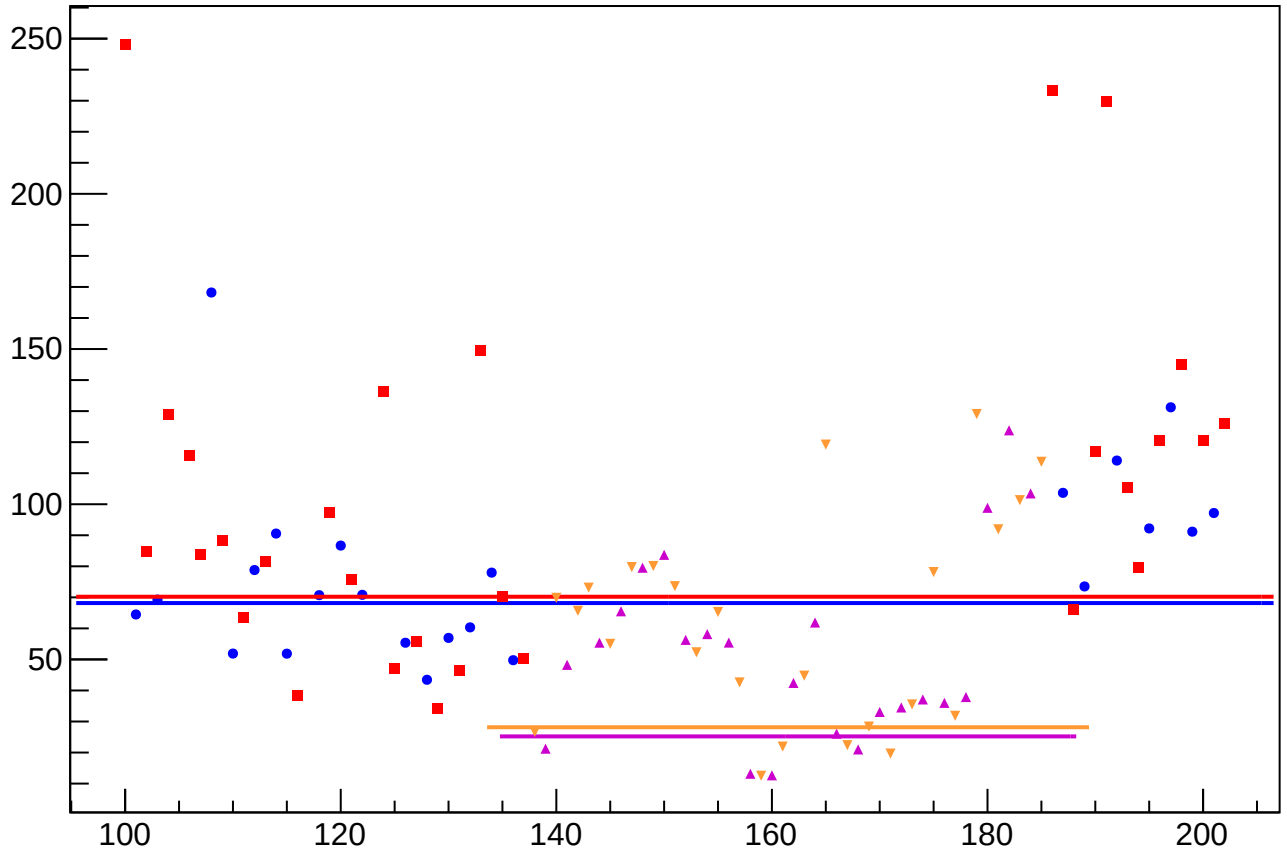
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.018+/-0.015 χ^2/NDF: 49.7/51

In: -0.006+/-0.007 χ^2/NDF:52.2/45

Out: 0.001+/-0.008 χ^2/NDF:80.7/53

All: -0.003+/-0.005 χ^2/NDF: 133.3/99



Right In: 68.160+/-0.015 χ^2/NDF: 1959325.7/22

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.198+/-0.015 χ^2/NDF: 4326062.7/28

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

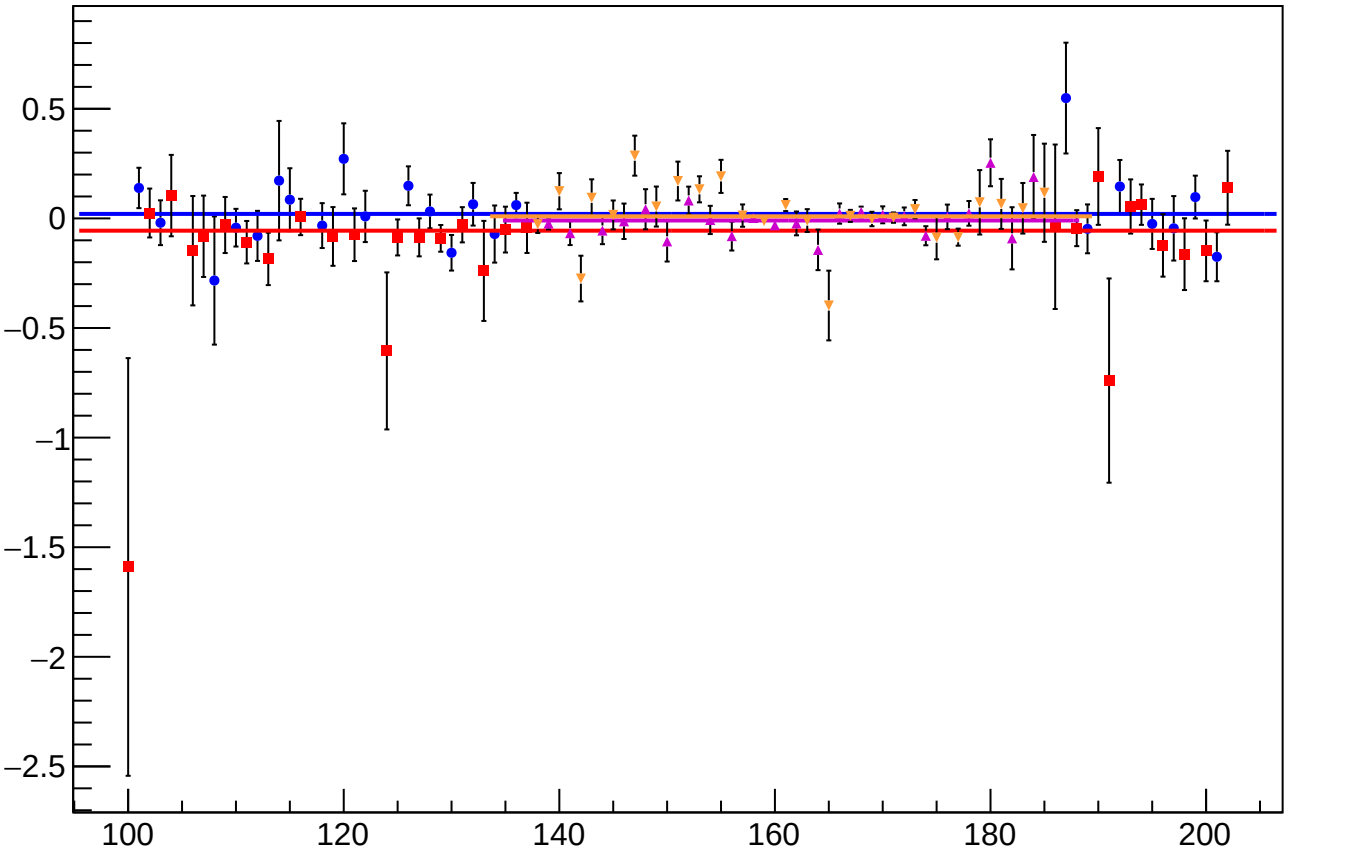
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.176+/-0.011 χ^2/NDF: 6294146.6/51

In: 30.241+/-0.005 χ^2/NDF:18813149.0/45

Out: 33.648+/-0.006 χ^2/NDF:21861548.3/53

All: 31.846+/-0.004 χ^2/NDF: 40872122.7/99



Right In: 0.020+/-0.022 χ^2/NDF: 25.4/22

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.022 χ^2/NDF: 18.2/28

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

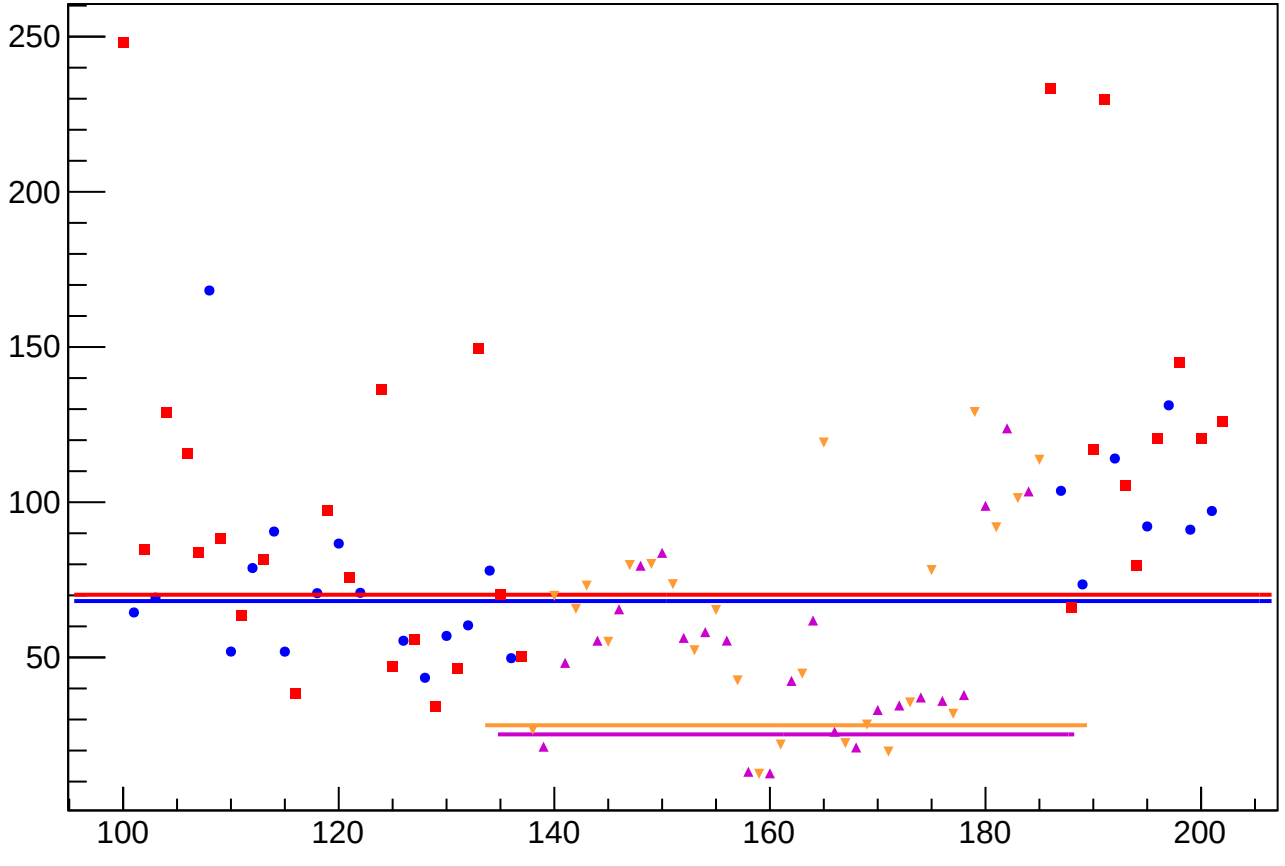
Right: -0.018+/-0.015 χ^2/NDF: 49.7/51

In: -0.006+/-0.007 χ^2/NDF:52.2/45

Out: 0.001+/-0.008 χ^2/NDF:80.7/53

All: -0.003+/-0.005 χ^2/NDF: 133.3/99

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.160+/-0.015 χ^2/NDF: 1959325.7/22

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.198+/-0.015 χ^2/NDF: 4326062.7/28

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

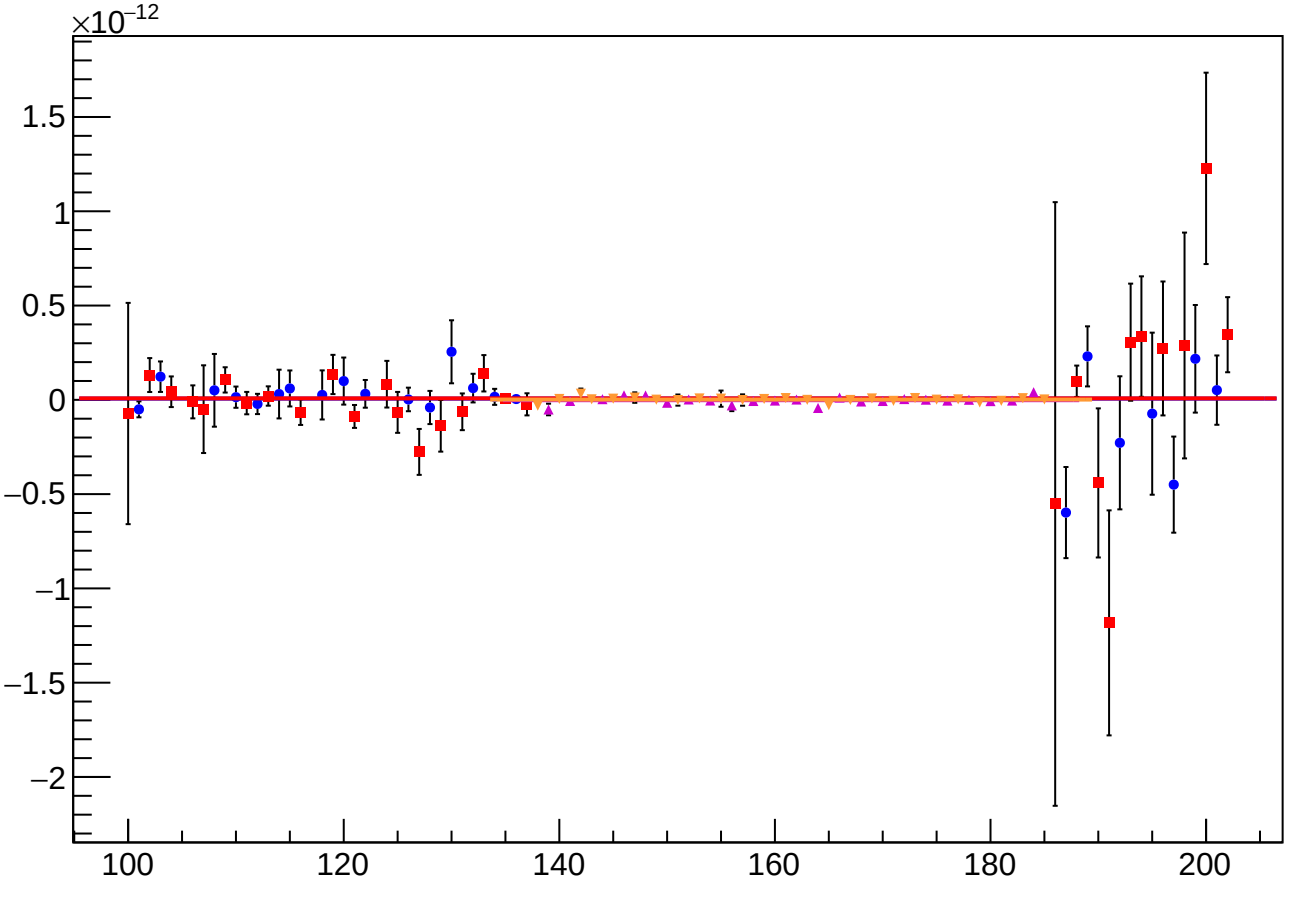
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.176+/-0.011 χ^2/NDF: 6294146.6/51

In: 30.241+/-0.005 χ^2/NDF:18813149.0/45

Out: 33.648+/-0.006 χ^2/NDF:21861548.3/53

All: 31.846+/-0.004 χ^2/NDF: 40872122.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/28

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

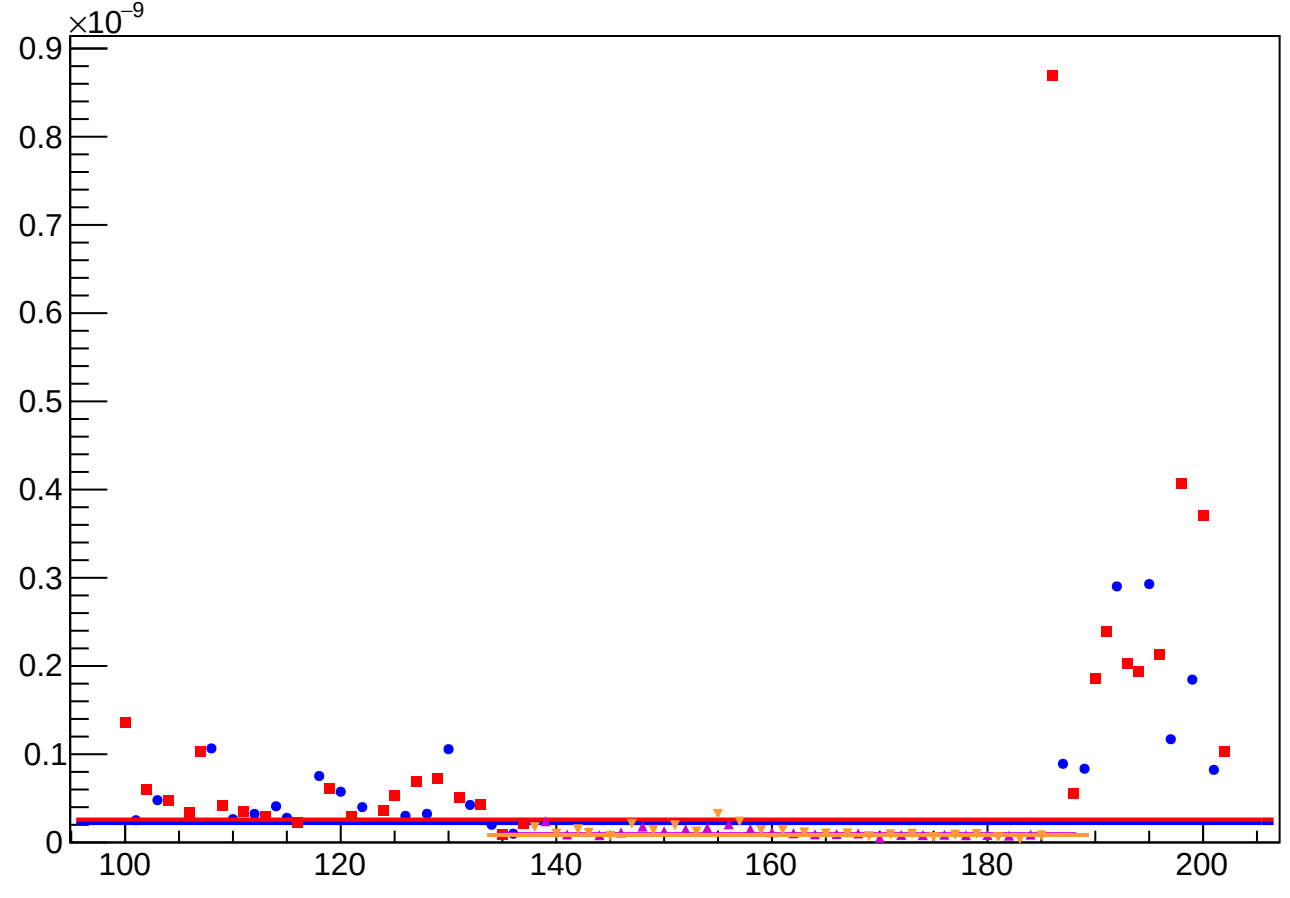
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 58.7/51

In: -0.000+/-0.000 χ^2/NDF:42.2/45

Out: 0.000+/-0.000 χ^2/NDF:49.3/53

All: 0.000+/-0.000 χ^2/NDF: 92.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 6716697.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8800124.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

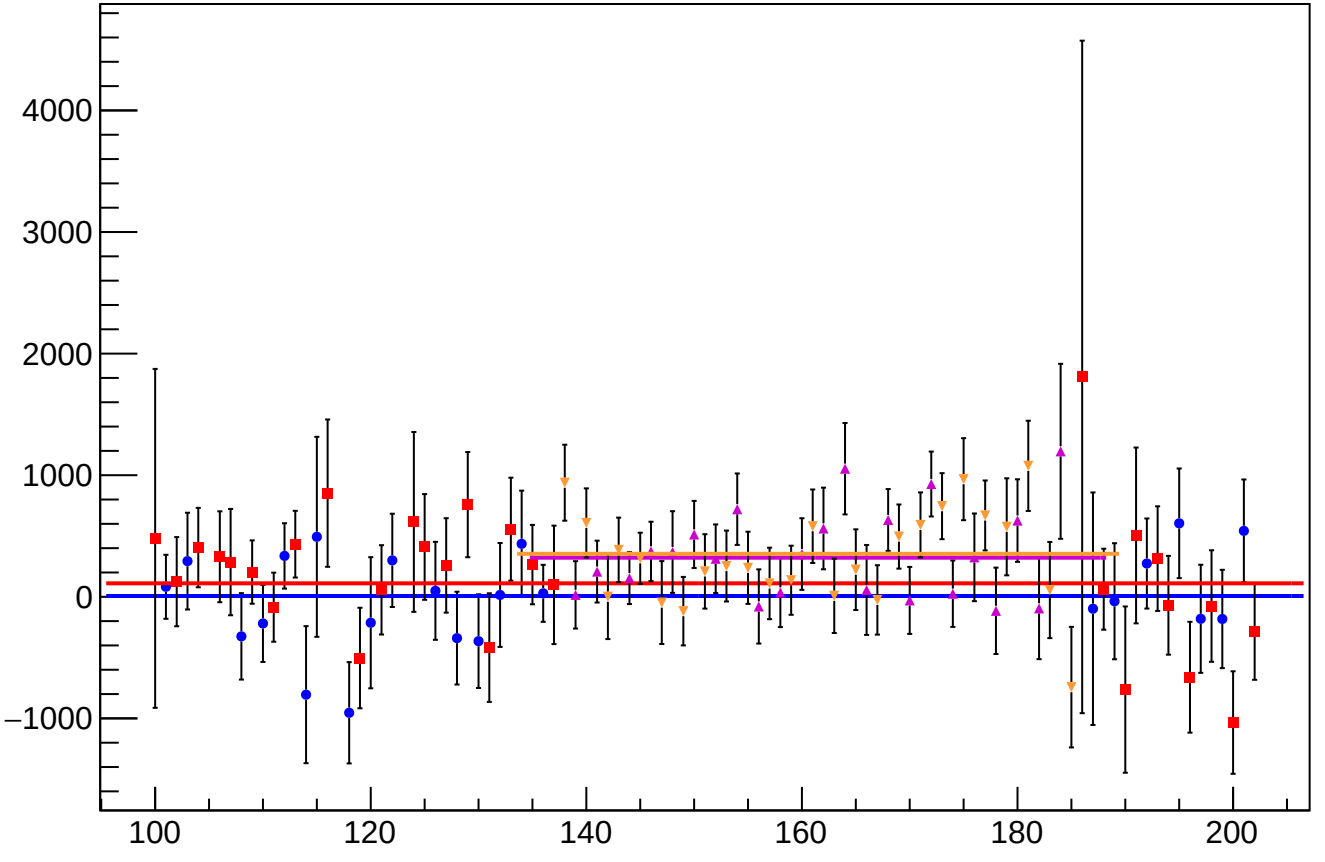
Right: 0.000+/-0.000 χ^2/NDF: 15620509.3/51

In: 0.000+/-0.000 χ^2/NDF:10914361.6/45

Out: 0.000+/-0.000 χ^2/NDF:16501392.2/53

All: 0.000+/-0.000 χ^2/NDF: 27525560.0/99

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 6.472+/-80.003 χ^2/NDF: 19.0/22

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 110.847+/-75.451 χ^2/NDF: 27.3/28

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

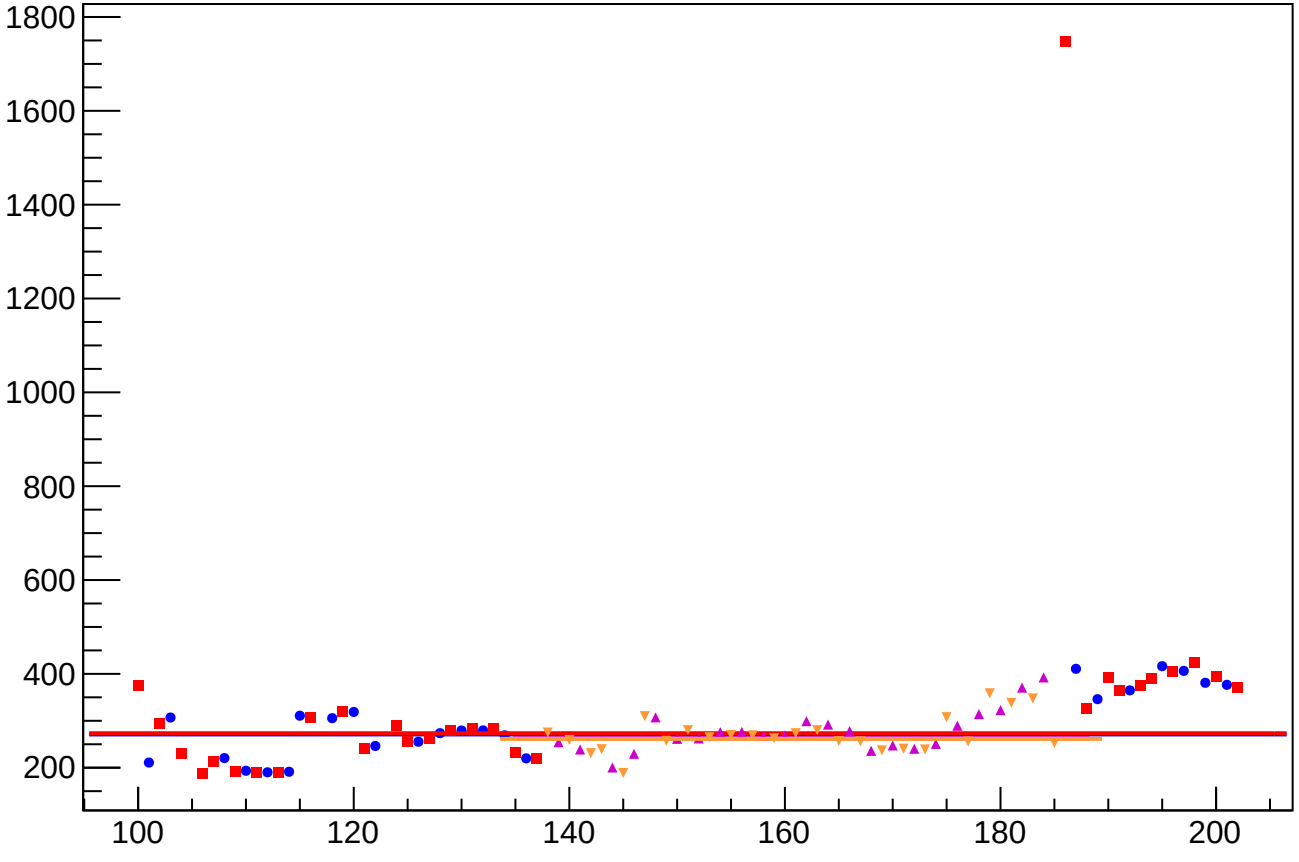
Right: 61.713+/-54.891 χ^2/NDF: 47.2/51

In: 203.030+/-49.062 χ^2/NDF:54.9/45

Out: 259.283+/-47.033 χ^2/NDF:66.0/53

All: 232.344+/-33.952 χ^2/NDF: 121.6/99

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 270.922+/-0.057 χ^2/NDF: 1530165.3/22

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.482+/-0.053 χ^2/NDF: 2519995.5/28

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

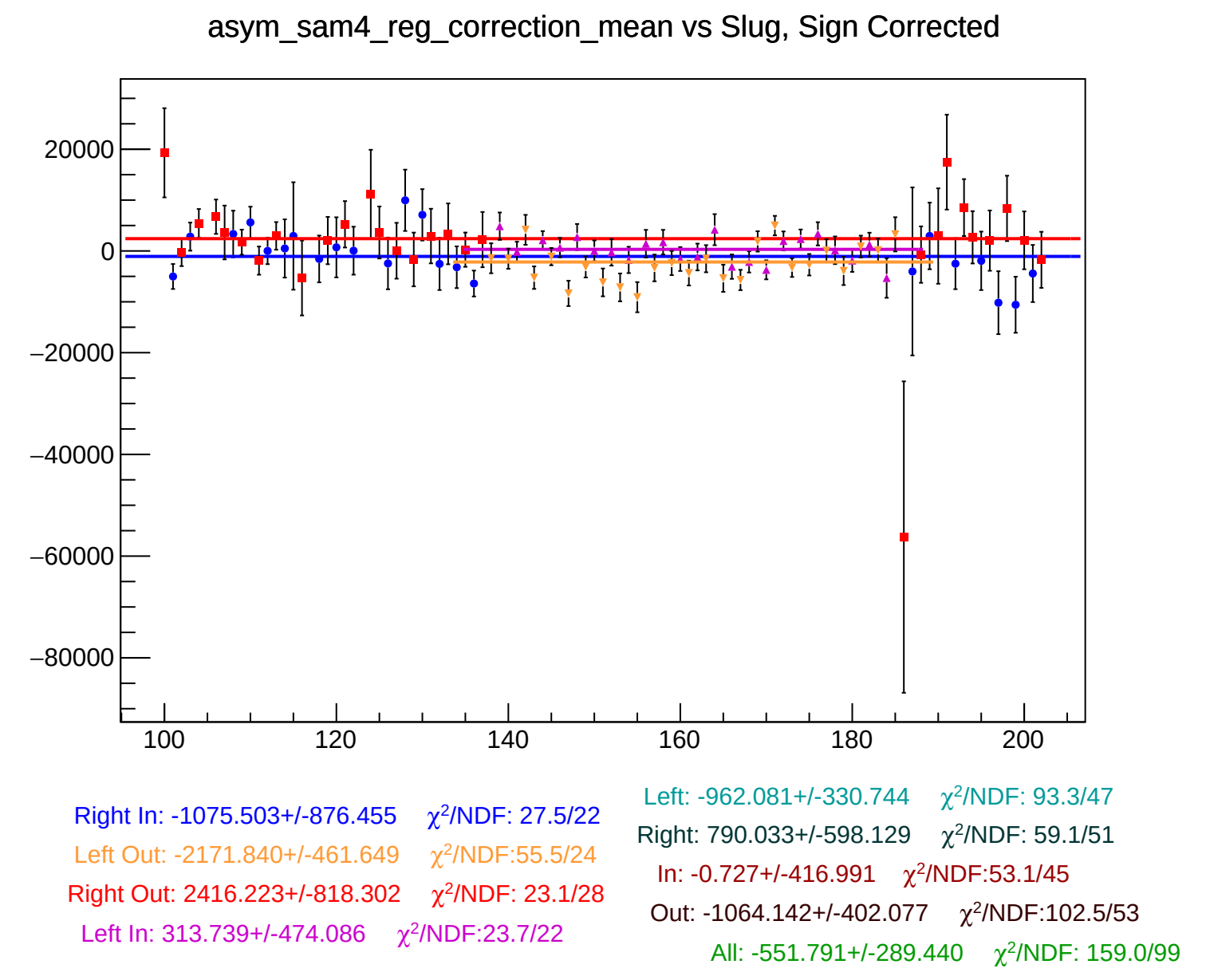
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 272.277+/-0.039 χ^2/NDF: 4051244.8/51

In: 265.740+/-0.035 χ^2/NDF:2214260.9/45

Out: 266.137+/-0.033 χ^2/NDF:3266459.2/53

All: 265.947+/-0.024 χ^2/NDF: 5480788.5/99


asym_sam4_reg_correction_mean vs Slug, Sign Corrected
20000
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−40000
−60000
−80000
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120
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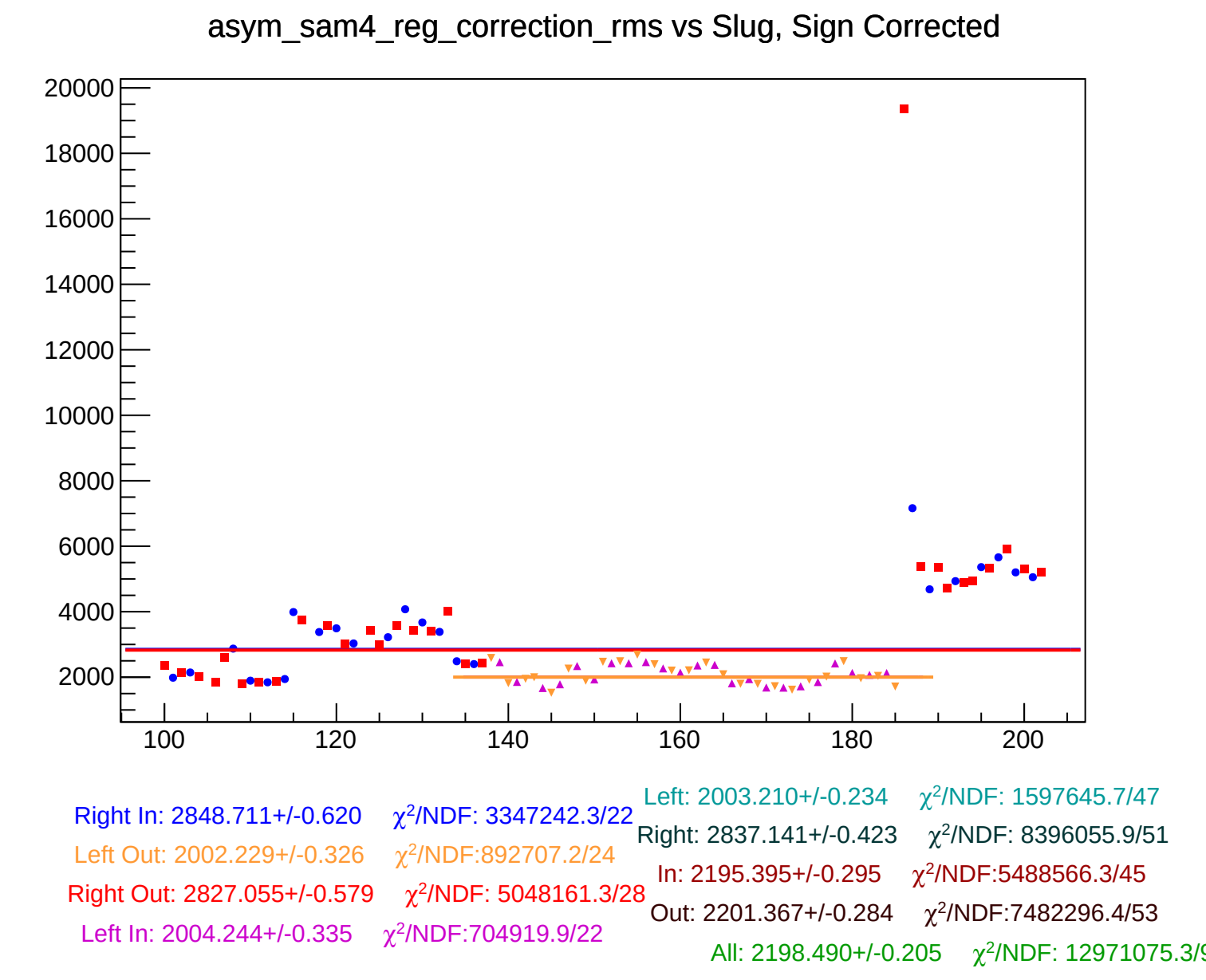
160
180
200
Right In: -1075.503+/-876.455 χ²/NDF: 27.5/22
Left Out: -2171.840+/-461.649 χ²/NDF:55.5/24
Right Out: 2416.223+/-818.302 χ²/NDF: 23.1/28
Left In: 313.739+/-474.086 χ²/NDF:23.7/22
Left: -962.081+/-330.744 χ²/NDF: 93.3/47
Right: 790.033+/-598.129 χ²/NDF: 59.1/51
In: -0.727+/-416.991 χ²/NDF:53.1/45
Out: -1064.142+/-402.077 χ²/NDF:102.5/53
All: -551.791+/-289.440 χ²/NDF: 159.0/99


asym_sam4_reg_correction_rms vs Slug, Sign Corrected
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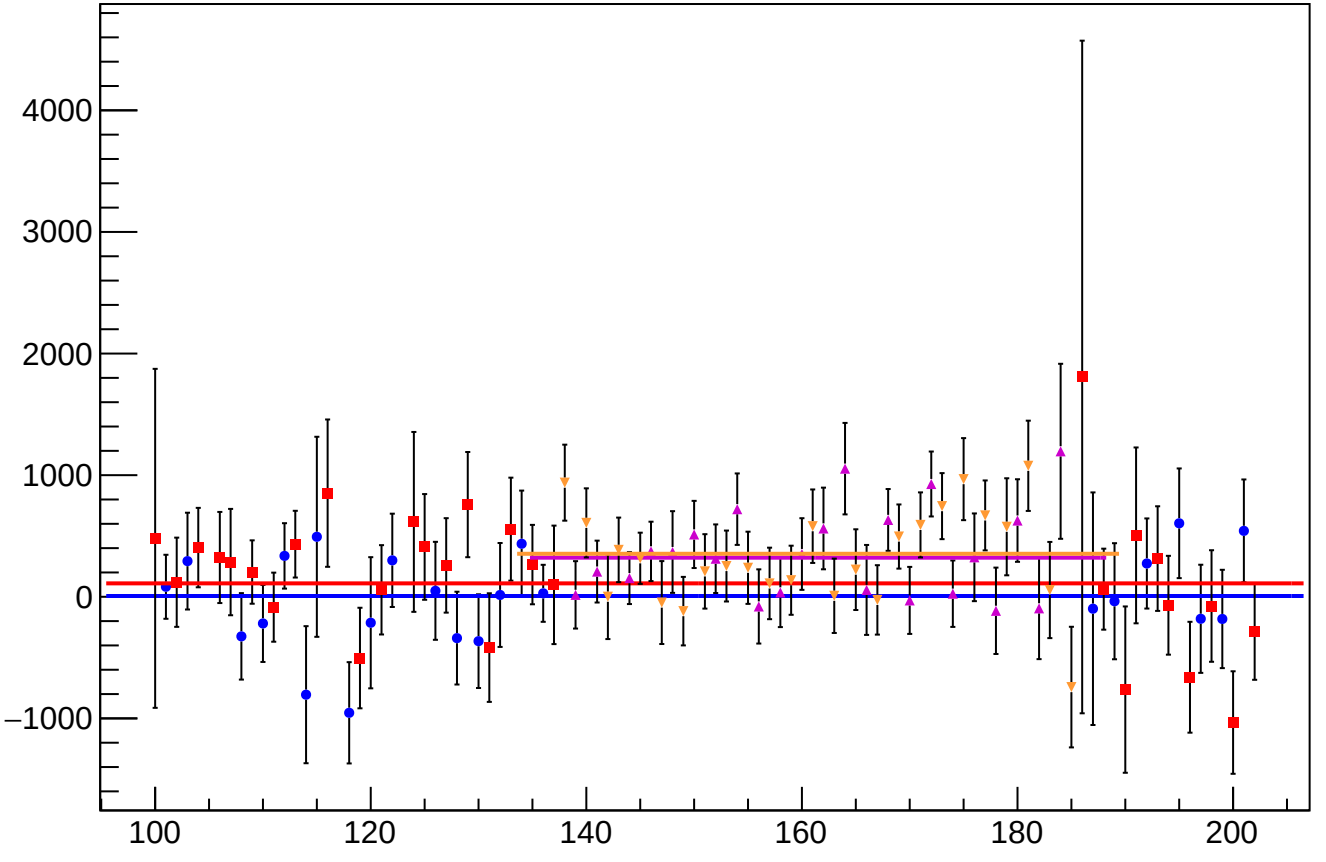
180
200
Right In: 2848.711+/-0.620 χ²/NDF: 3347242.3/22
Left Out: 2002.229+/-0.326 χ²/NDF:892707.2/24
Right Out: 2827.055+/-0.579 χ²/NDF: 5048161.3/28
Left In: 2004.244+/-0.335 χ²/NDF:704919.9/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.7/47
Right: 2837.141+/-0.423 χ²/NDF: 8396055.9/51
In: 2195.395+/-0.295 χ²/NDF:5488566.3/45
Out: 2201.367+/-0.284 χ²/NDF:7482296.4/53
All: 2198.490+/-0.205 χ²/NDF: 12971075.3/9

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 6.452+/-80.003 χ^2/NDF: 19.0/22

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 110.349+/-75.460 χ^2/NDF: 27.3/28

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

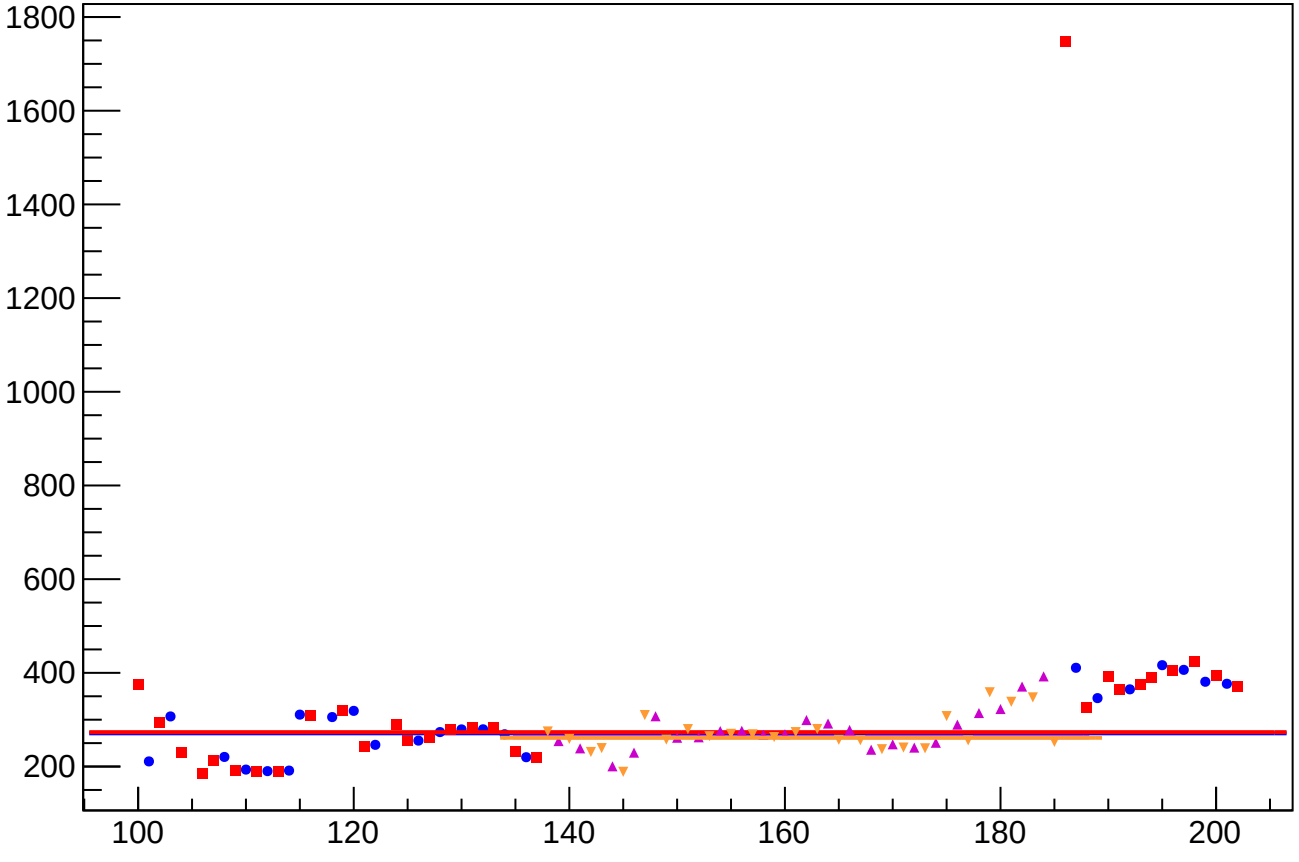
Right: 61.434+/-54.894 χ^2/NDF: 47.2/51

In: 203.026+/-49.062 χ^2/NDF:54.9/45

Out: 259.117+/-47.035 χ^2/NDF:66.0/53

All: 232.254+/-33.953 χ^2/NDF: 121.6/99

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 270.922+/-0.057 χ^2/NDF: 1530166.7/22

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.401+/-0.053 χ^2/NDF: 2525832.3/28

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

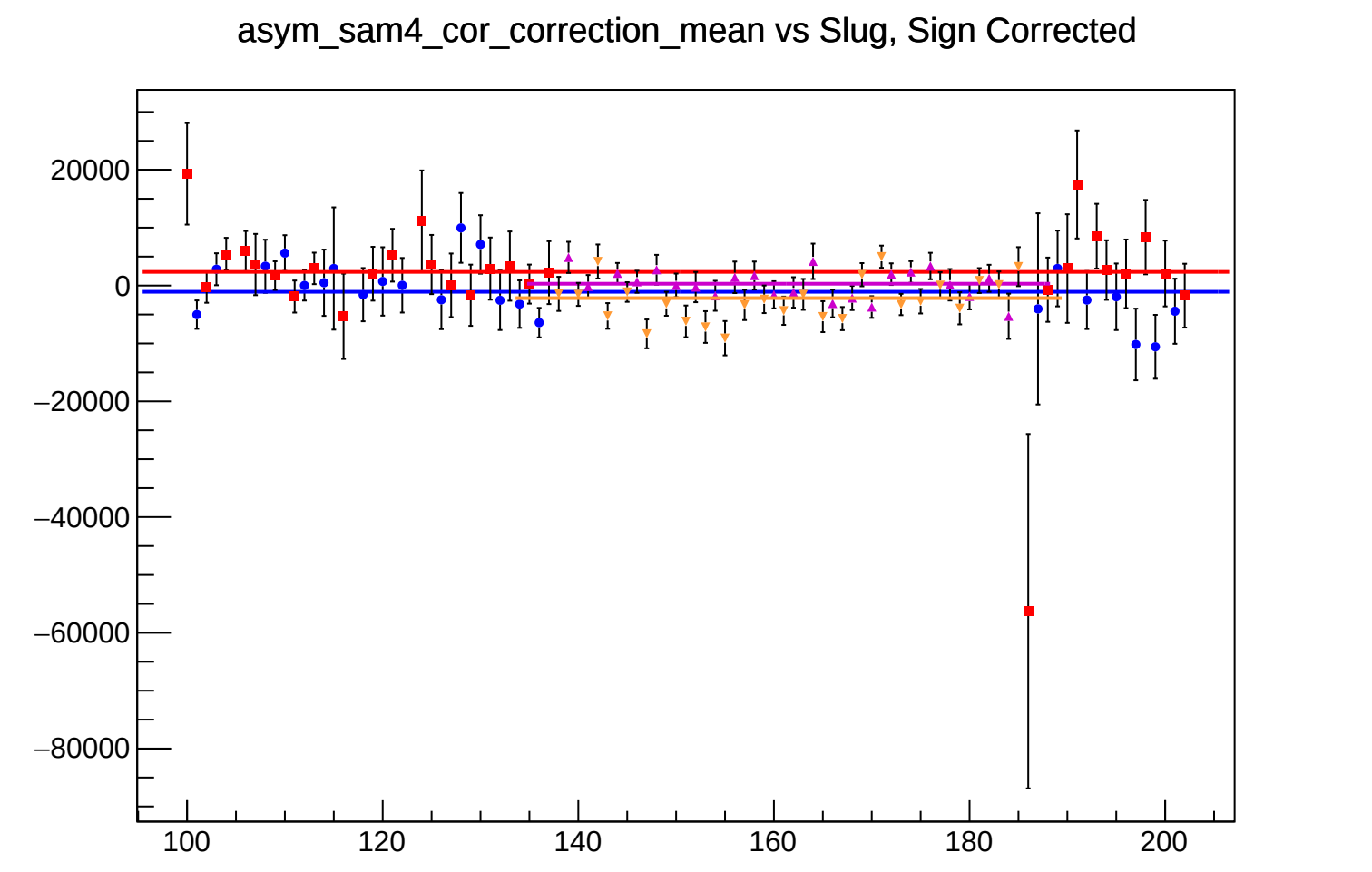
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 272.234+/-0.039 χ^2/NDF: 4057015.6/51

In: 265.740+/-0.035 χ^2/NDF:2214262.5/45

Out: 266.105+/-0.033 χ^2/NDF:3271876.4/53

All: 265.930+/-0.024 χ^2/NDF: 5486196.7/99



Right In: -1075.653+/-876.462 χ^2/NDF: 27.5/22

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2360.616+/-819.597 χ^2/NDF: 22.5/28

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

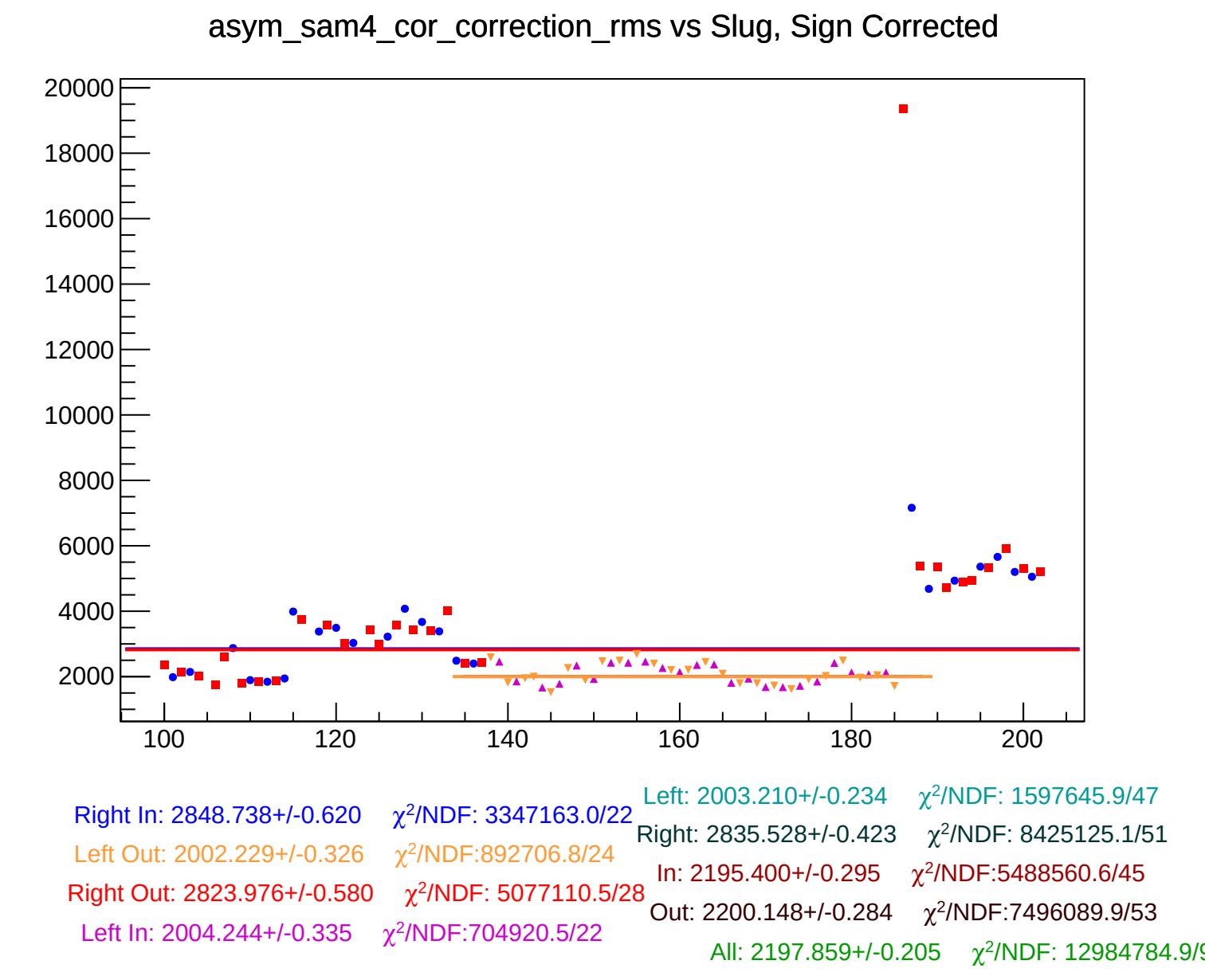
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 757.561+/-598.637 χ^2/NDF: 58.3/51

In: -0.753+/-416.992 χ^2/NDF:53.1/45

Out: -1080.170+/-402.231 χ^2/NDF:101.3/53

All: -559.905+/-289.498 χ^2/NDF: 157.9/99


asym_sam4_cor_correction_rms vs Slug, Sign Corrected
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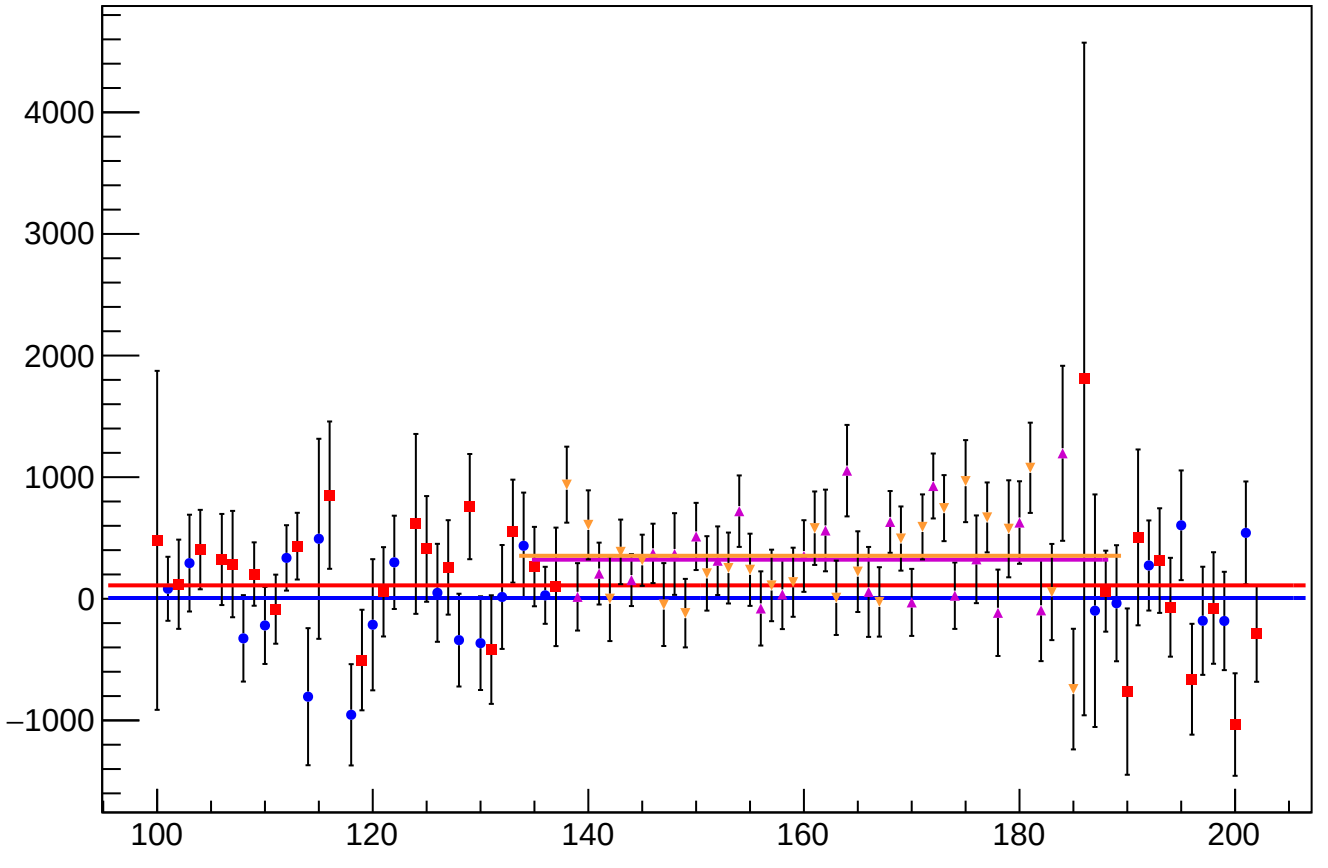
Right In: 2848.738+/-0.620 χ²/NDF: 3347163.0/22
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2823.976+/-0.580 χ²/NDF: 5077110.5/28
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2835.528+/-0.423 χ²/NDF: 8425125.1/51
In: 2195.400+/-0.295 χ²/NDF:5488560.6/45
Out: 2200.148+/-0.284 χ²/NDF:7496089.9/53
All: 2197.859+/-0.205 χ²/NDF: 12984784.9/9



Right In: 6.452+/-80.003 χ^2/NDF: 19.0/22

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 110.349+/-75.460 χ^2/NDF: 27.3/28

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

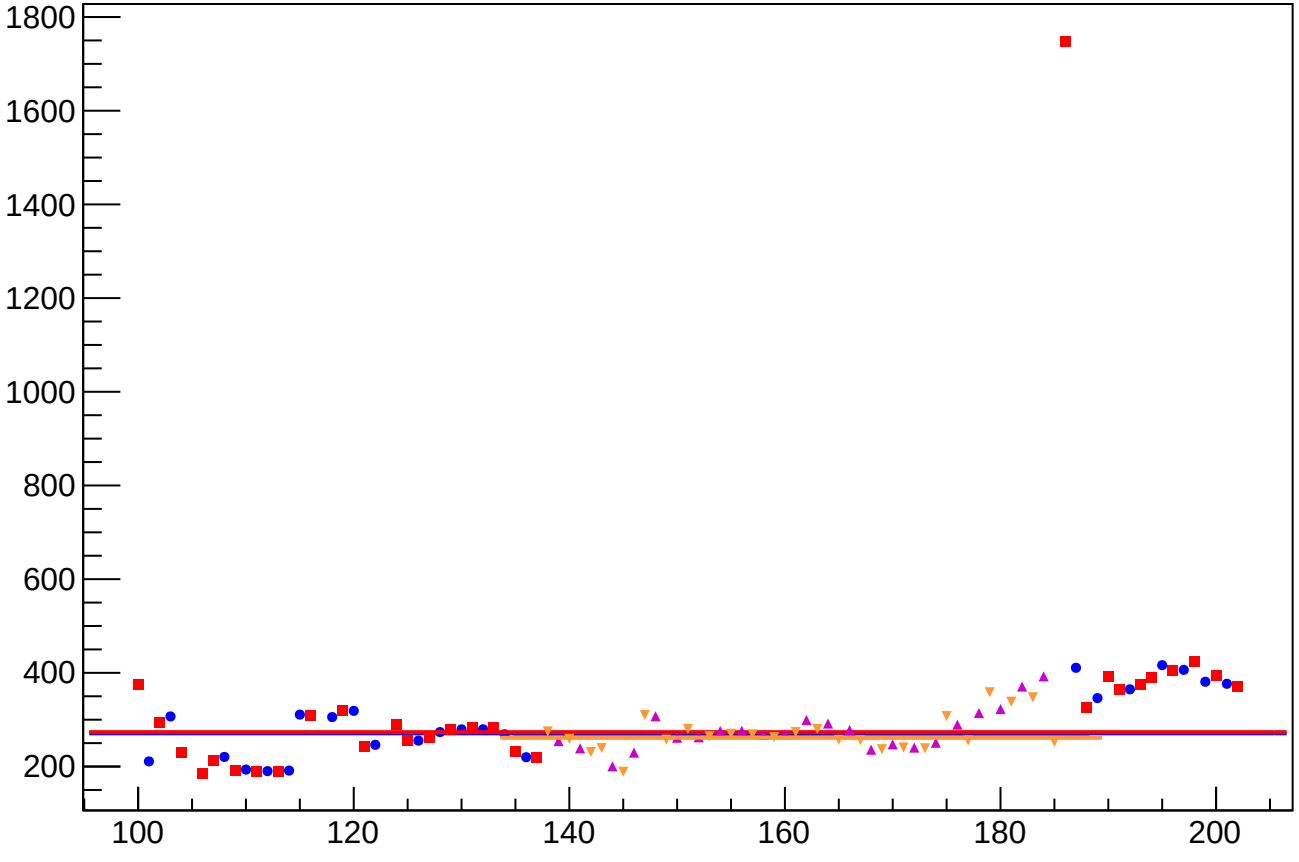
Right: 61.434+/-54.894 χ^2/NDF: 47.2/51

In: 203.026+/-49.062 χ^2/NDF:54.9/45

Out: 259.117+/-47.035 χ^2/NDF:66.0/53

All: 232.254+/-33.953 χ^2/NDF: 121.6/99

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 270.922+/-0.057 χ^2/NDF: 1530166.7/22

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.401+/-0.053 χ^2/NDF: 2525832.3/28

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

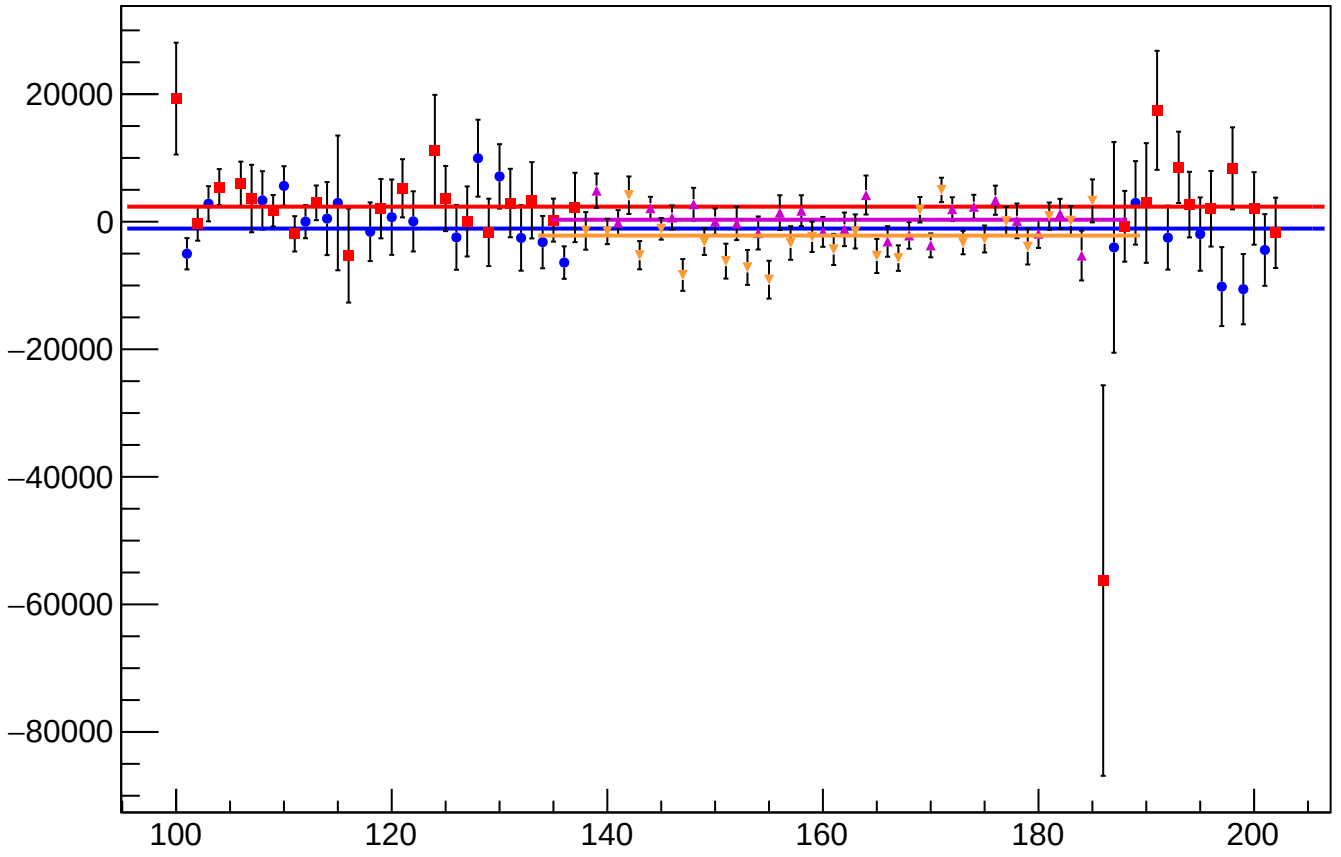
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 272.234+/-0.039 χ^2/NDF: 4057015.6/51

In: 265.740+/-0.035 χ^2/NDF:2214262.5/45

Out: 266.105+/-0.033 χ^2/NDF:3271876.4/53

All: 265.930+/-0.024 χ^2/NDF: 5486196.7/99



Right In: -1075.653+/-876.462 χ^2/NDF: 27.5/22

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2360.616+/-819.597 χ^2/NDF: 22.5/28

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

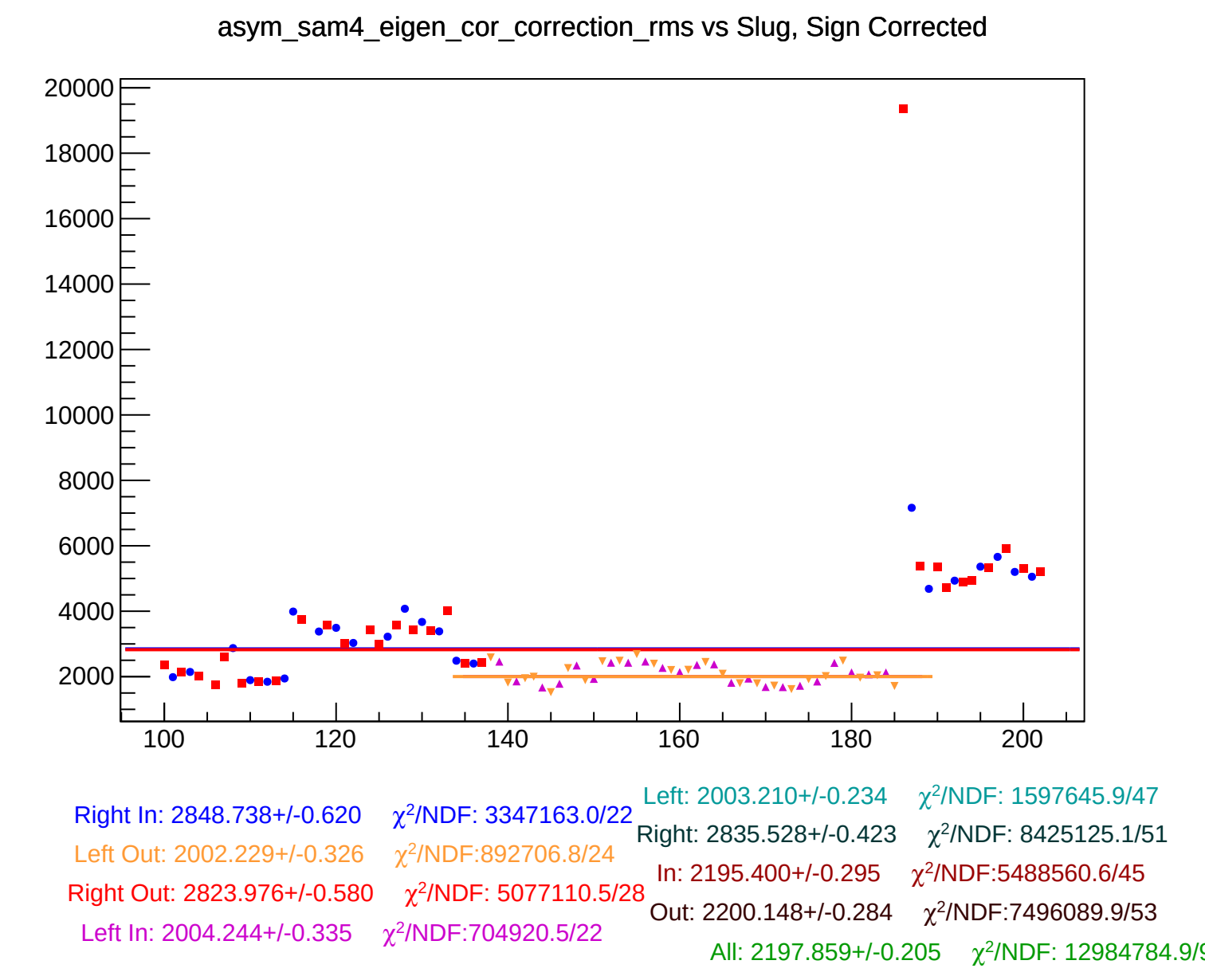
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 757.561+/-598.637 χ^2/NDF: 58.3/51

In: -0.753+/-416.992 χ^2/NDF:53.1/45

Out: -1080.170+/-402.231 χ^2/NDF:101.3/53

All: -559.905+/-289.498 χ^2/NDF: 157.9/99


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
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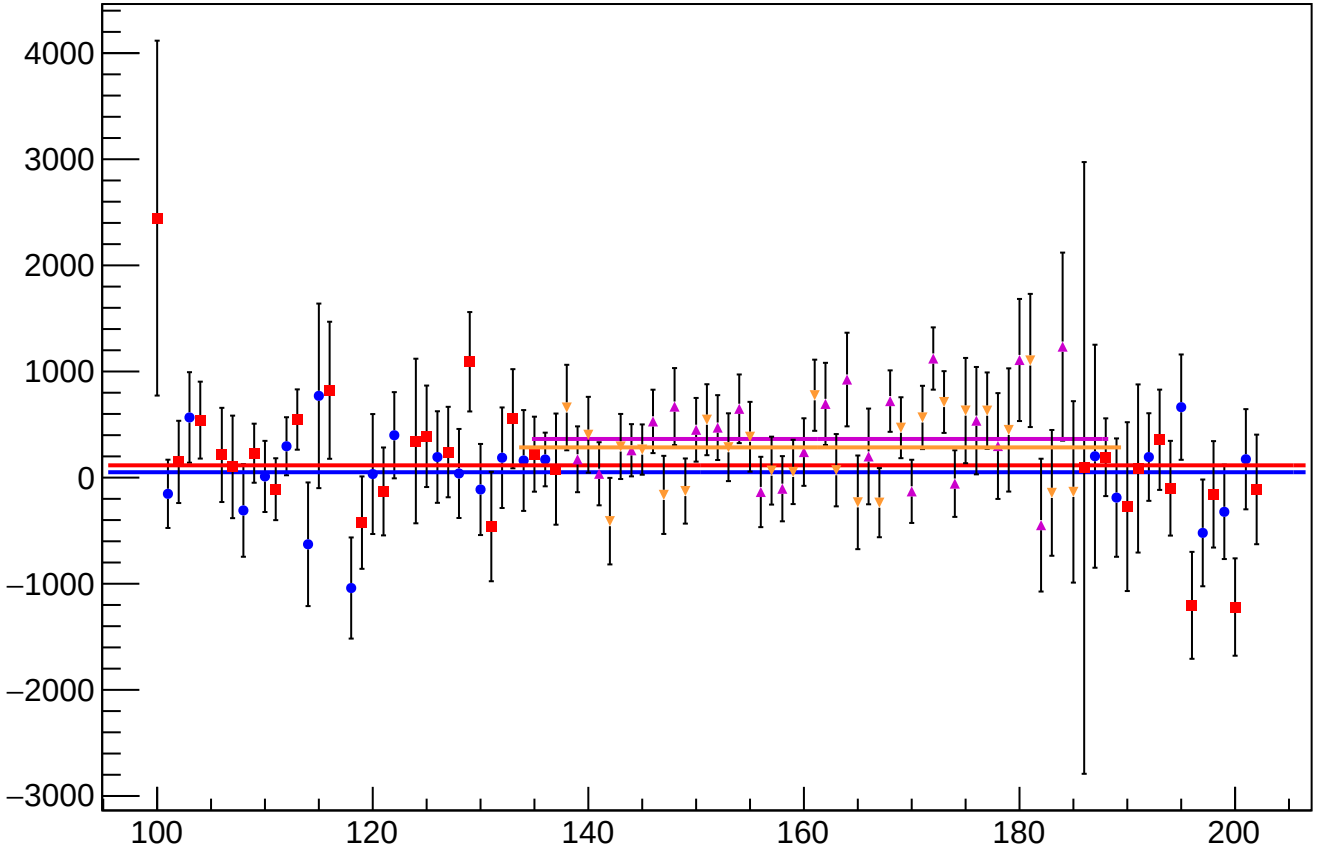
Right In: 2848.738+/-0.620 χ²/NDF: 3347163.0/22
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2823.976+/-0.580 χ²/NDF: 5077110.5/28
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2835.528+/-0.423 χ²/NDF: 8425125.1/51
In: 2195.400+/-0.295 χ²/NDF:5488560.6/45
Out: 2200.148+/-0.284 χ²/NDF:7496089.9/53
All: 2197.859+/-0.205 χ²/NDF: 12984784.9/9

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 50.856+/-88.010 χ^2/NDF: 15.9/22

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 115.804+/-82.388 χ^2/NDF: 33.2/28

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

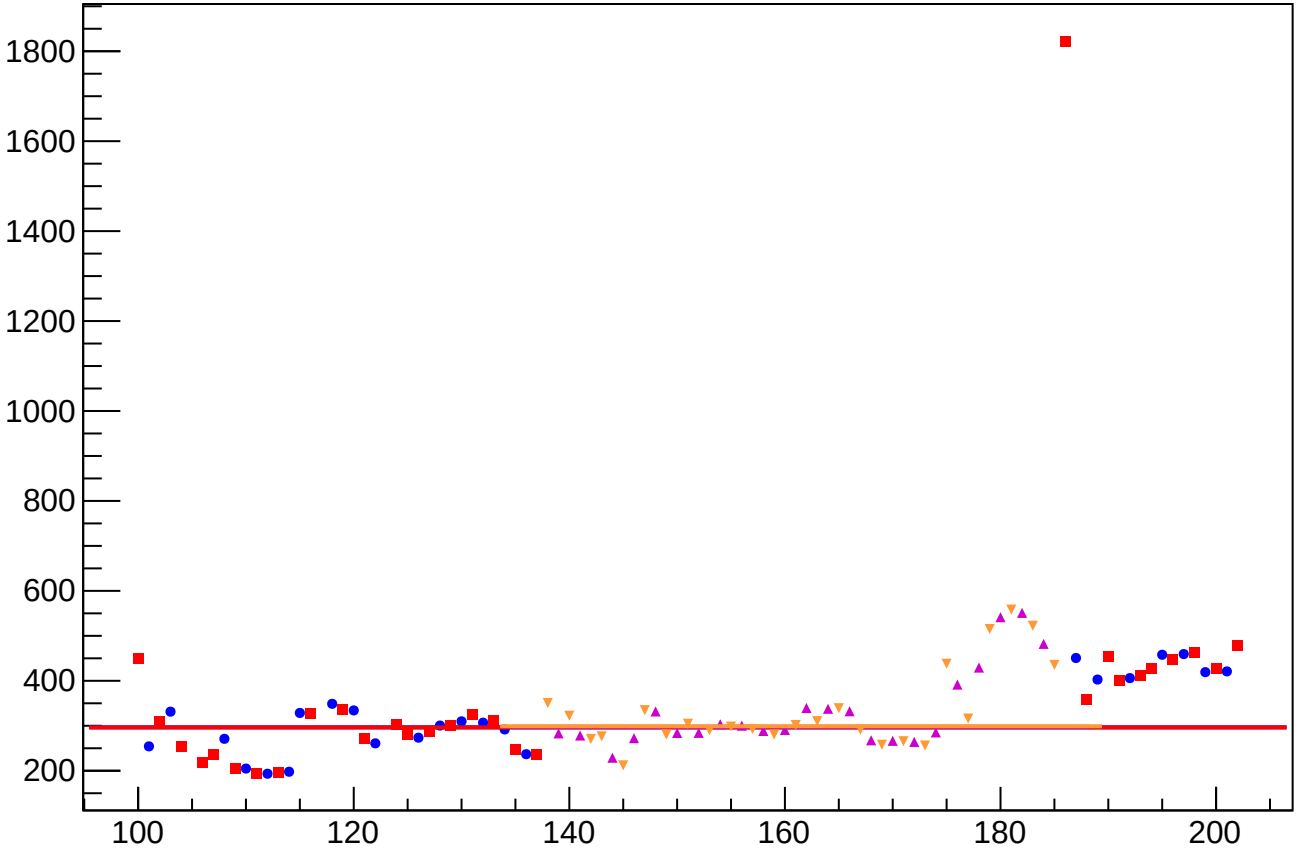
Right: 85.470+/-60.147 χ^2/NDF: 49.4/51

In: 239.147+/-55.594 χ^2/NDF:51.7/45

Out: 213.973+/-53.361 χ^2/NDF:58.5/53

All: 226.044+/-38.497 χ^2/NDF: 110.3/99

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 296.548+/-0.062 χ^2/NDF: 1686698.8/22

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 296.267+/-0.058 χ^2/NDF: 2798273.6/28

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

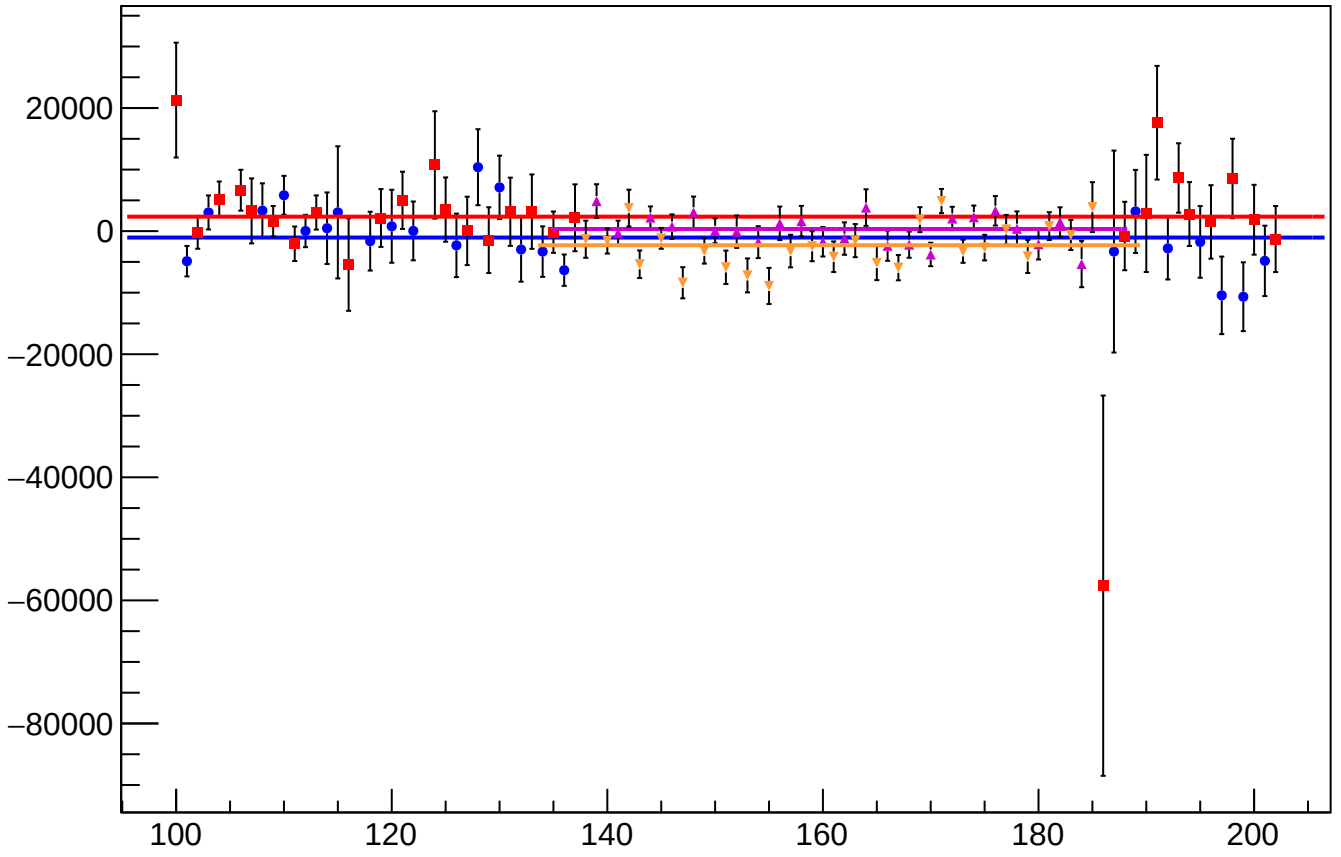
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 296.398+/-0.043 χ^2/NDF: 4484983.2/51

In: 297.351+/-0.039 χ^2/NDF:3006038.4/45

Out: 297.817+/-0.038 χ^2/NDF:4412571.4/53

All: 297.594+/-0.027 χ^2/NDF: 7418682.9/99



Right In: -1043.495+/-884.527 χ^2/NDF: 27.8/22

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2348.520+/-823.640 χ^2/NDF: 23.5/28

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

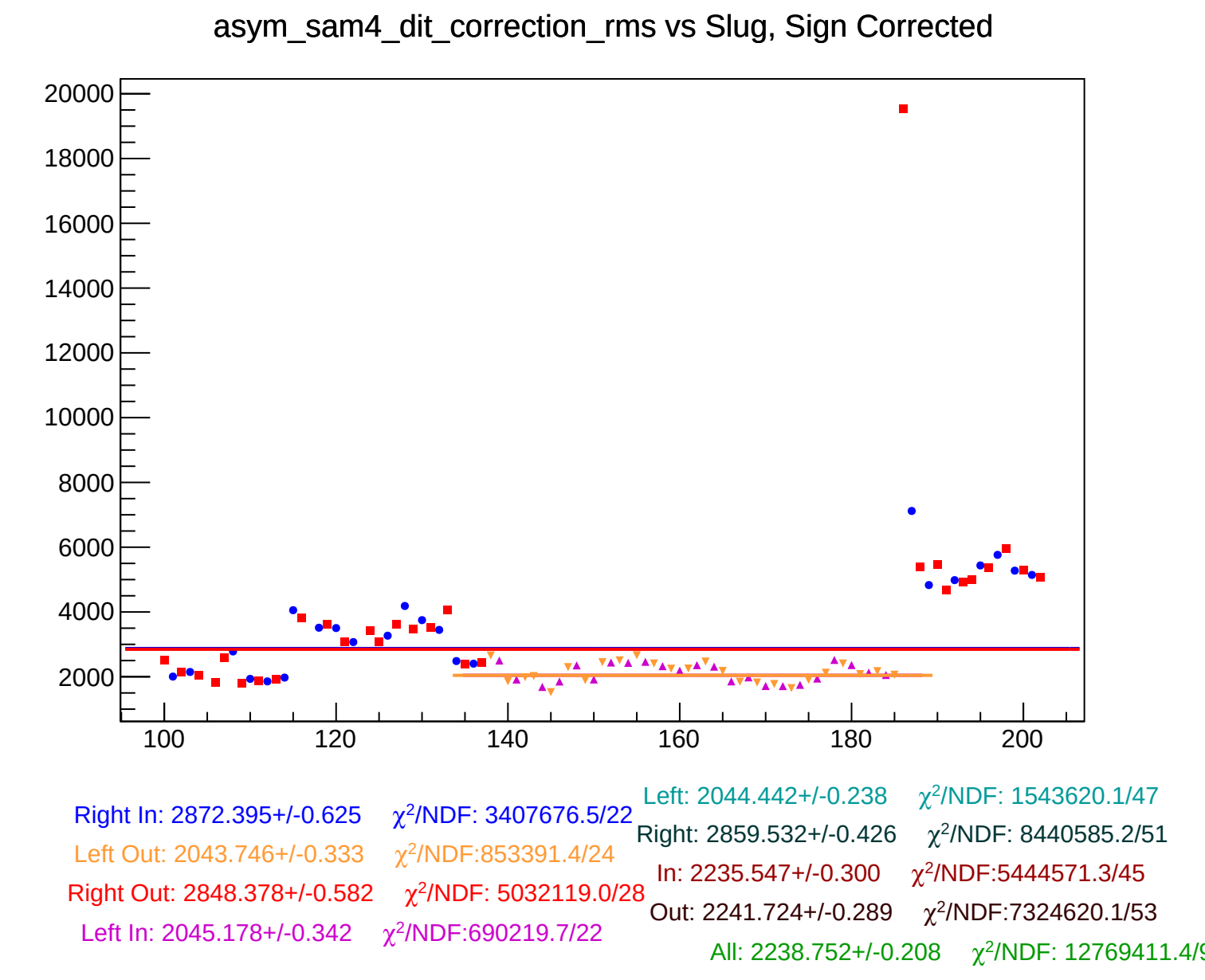
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 773.266+/-602.778 χ^2/NDF: 59.2/51

In: 23.623+/-424.325 χ^2/NDF:52.5/45

Out: -1149.449+/-408.552 χ^2/NDF:99.1/53

All: -585.121+/-294.308 χ^2/NDF: 155.6/99


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
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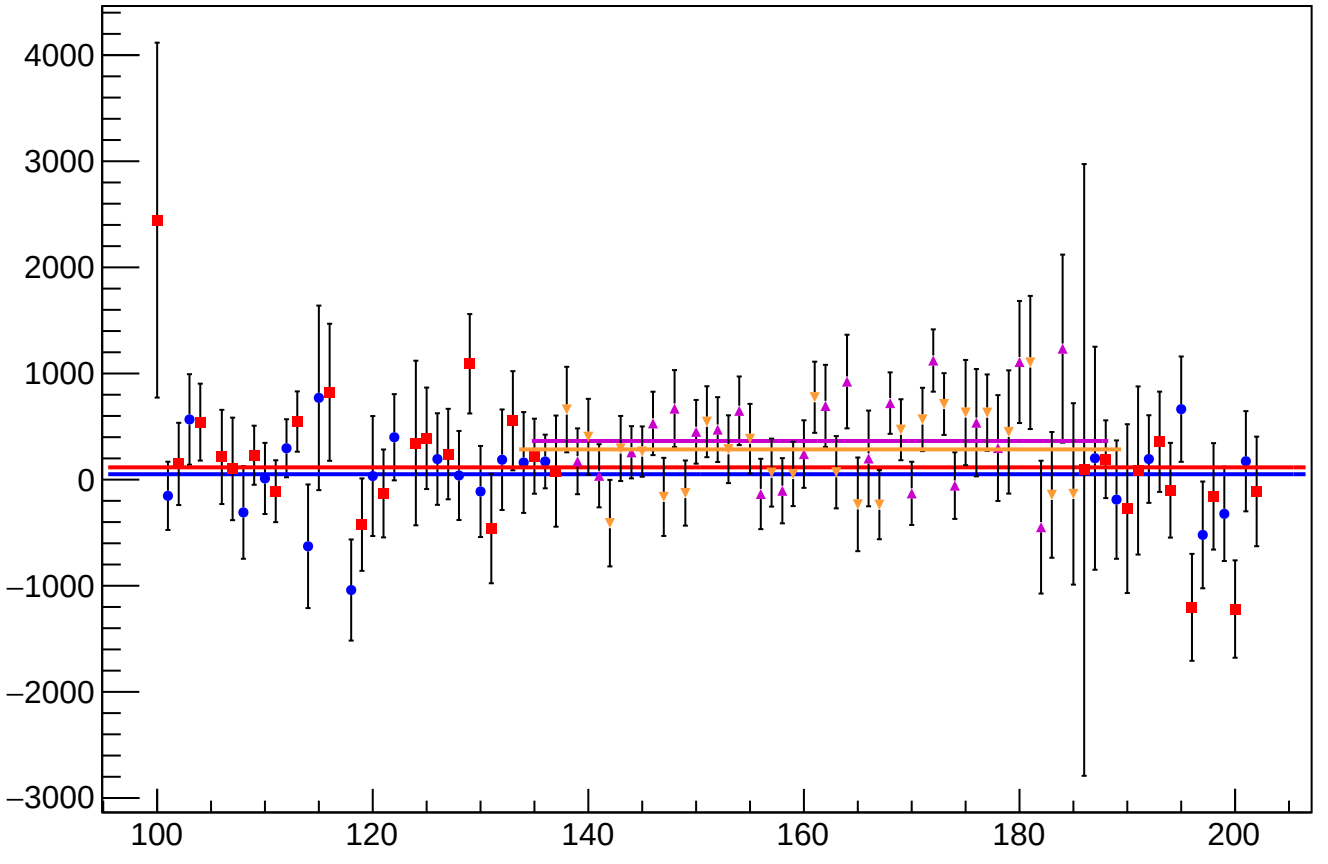
180
200
Right In: 2872.395+/-0.625 χ²/NDF: 3407676.5/22
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2848.378+/-0.582 χ²/NDF: 5032119.0/28
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2859.532+/-0.426 χ²/NDF: 8440585.2/51
In: 2235.547+/-0.300 χ²/NDF:5444571.3/45
Out: 2241.724+/-0.289 χ²/NDF:7324620.1/53
All: 2238.752+/-0.208 χ²/NDF: 12769411.4/9



Right In: 50.860+/-88.010 χ^2/NDF: 15.9/22

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 115.803+/-82.388 χ^2/NDF: 33.2/28

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

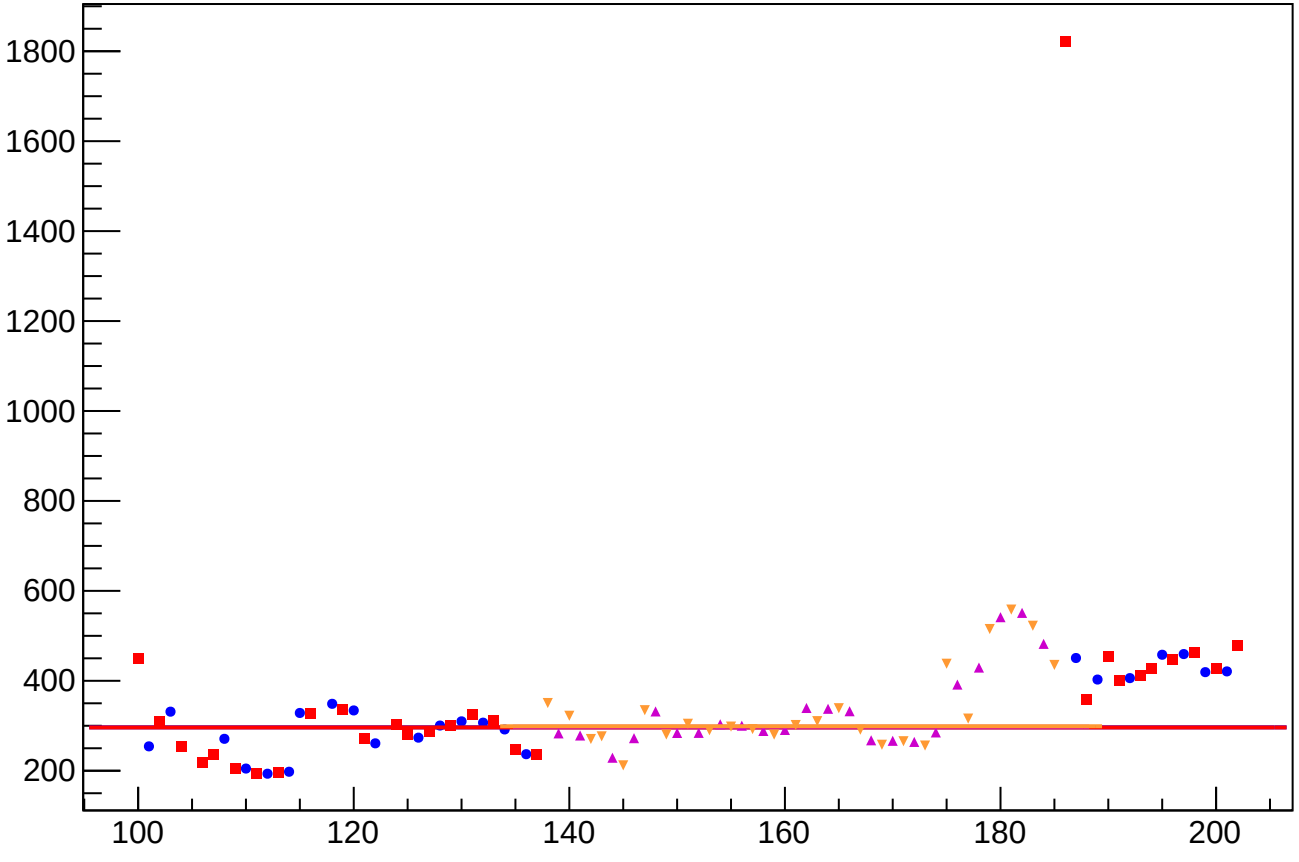
Right: 85.472+/-60.147 χ^2/NDF: 49.4/51

In: 239.149+/-55.594 χ^2/NDF:51.7/45

Out: 213.975+/-53.361 χ^2/NDF:58.5/53

All: 226.046+/-38.497 χ^2/NDF: 110.3/99

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 296.547+/-0.062 χ^2/NDF: 1686689.1/22

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 296.267+/-0.058 χ^2/NDF: 2798279.6/28

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

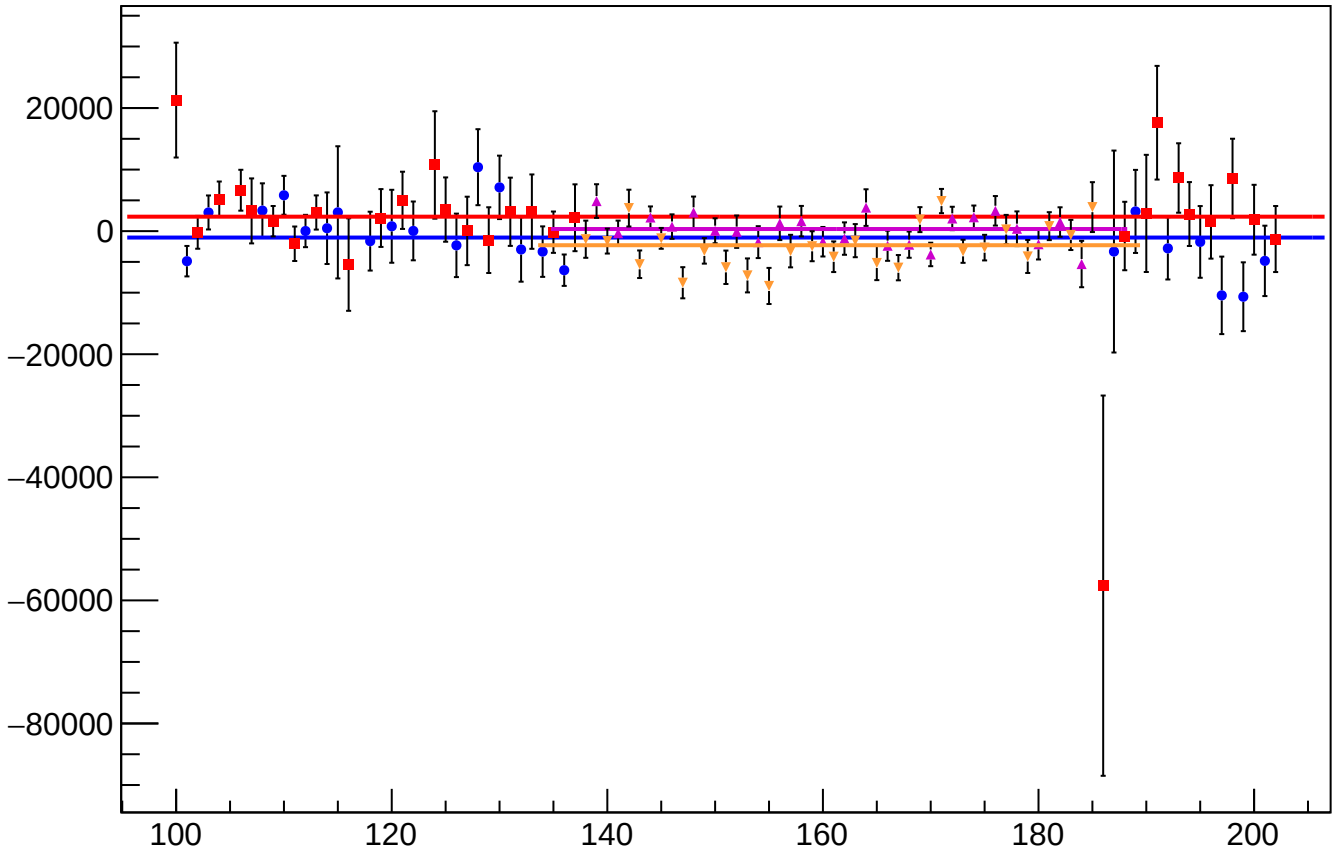
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 296.398+/-0.043 χ^2/NDF: 4484979.6/51

In: 297.352+/-0.039 χ^2/NDF:3006010.6/45

Out: 297.818+/-0.038 χ^2/NDF:4412574.8/53

All: 297.594+/-0.027 χ^2/NDF: 7418658.5/99



Right In: -1043.493+/-884.527 χ^2/NDF: 27.8/22

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2348.518+/-823.640 χ^2/NDF: 23.5/28

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

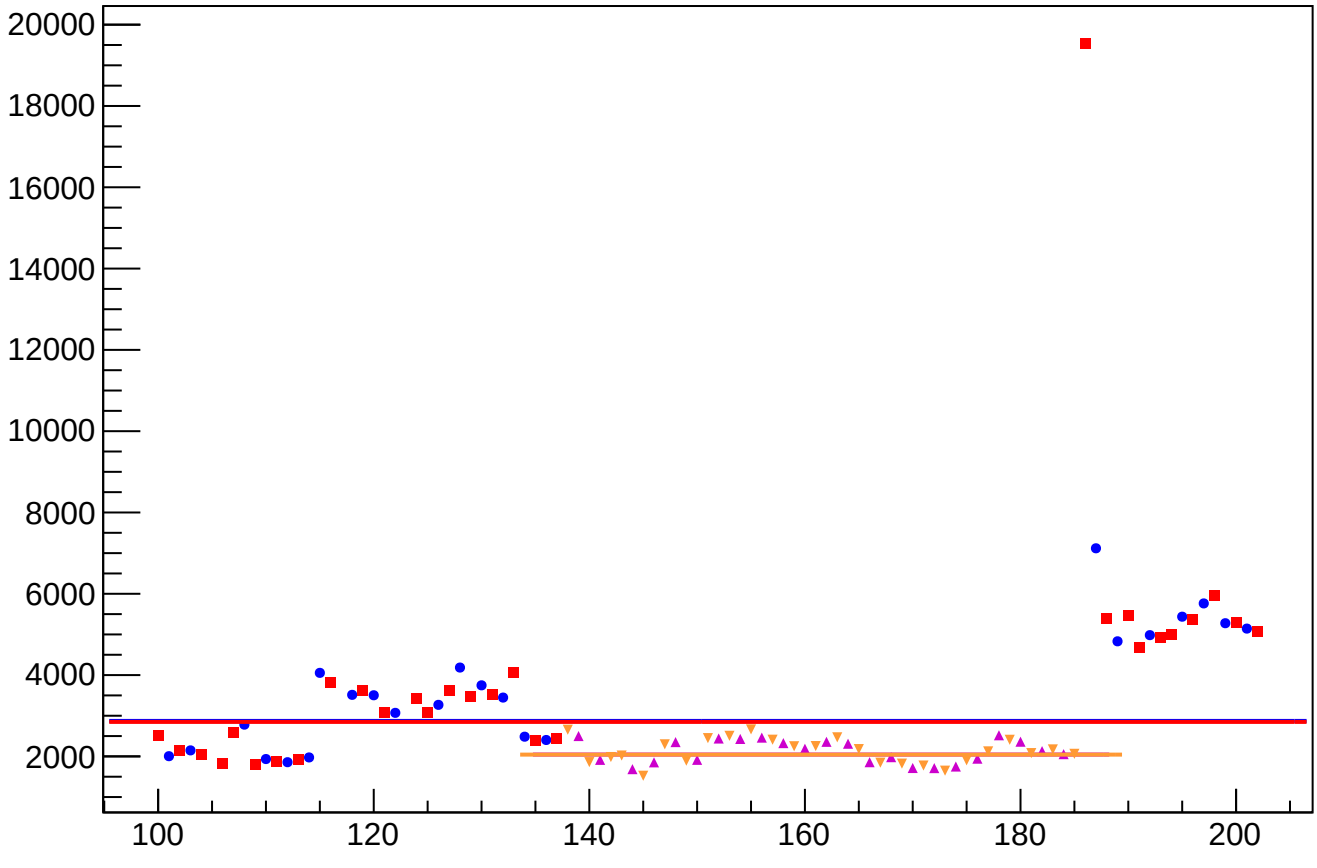
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 773.266+/-602.778 χ^2/NDF: 59.2/51

In: 23.622+/-424.325 χ^2/NDF:52.5/45

Out: -1149.446+/-408.552 χ^2/NDF:99.1/53

All: -585.120+/-294.308 χ^2/NDF: 155.6/99


asym_sam4_eigen_dit_correction_rms vs Slug, Sign Corrected
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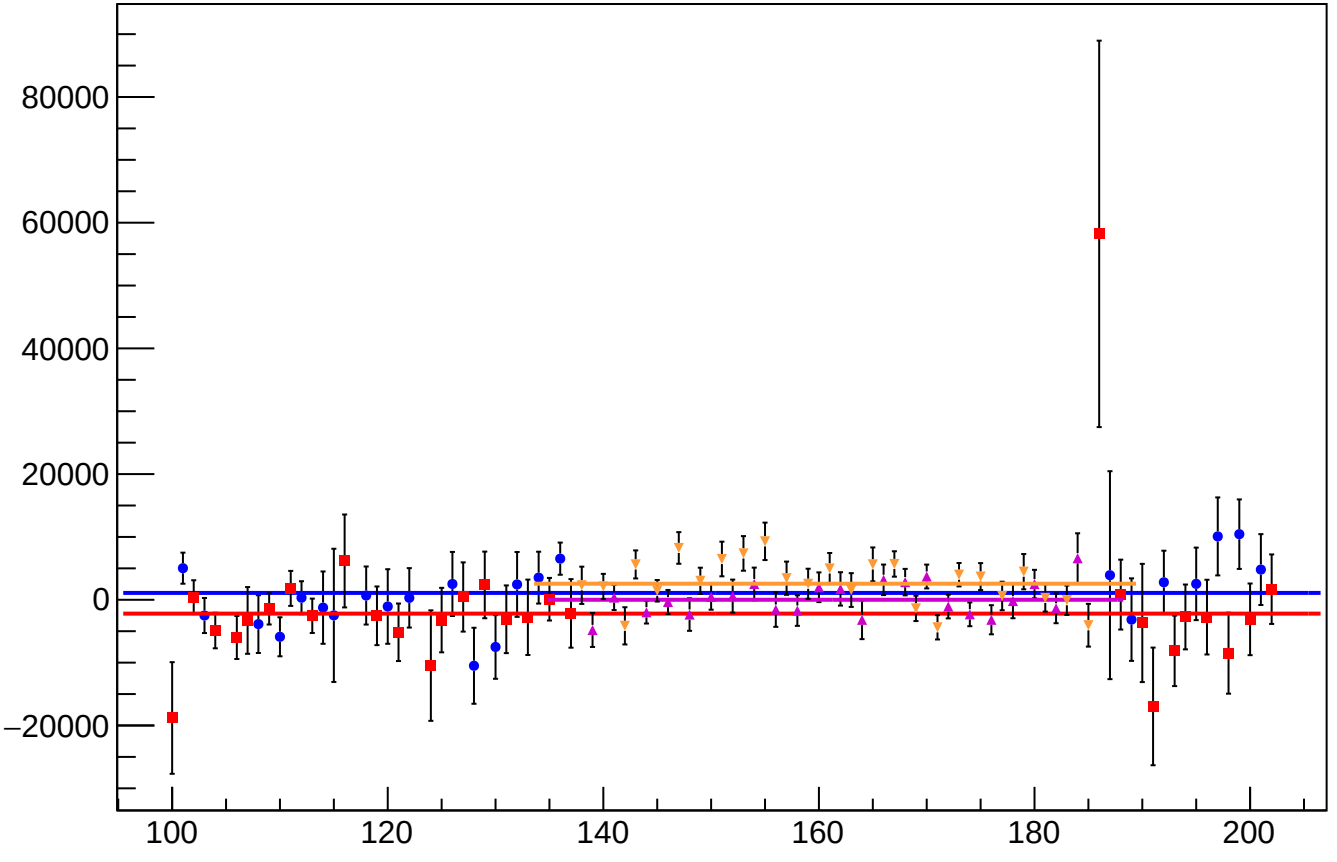
Right In: 2872.393+/-0.625 χ²/NDF: 3407675.8/22
Left Out: 2043.742+/-0.333 χ²/NDF:853393.7/24
Right Out: 2848.376+/-0.582 χ²/NDF: 5032114.9/28
Left In: 2045.175+/-0.342 χ²/NDF:690218.2/22
Left: 2044.439+/-0.238 χ²/NDF: 1543620.9/47
Right: 2859.530+/-0.426 χ²/NDF: 8440580.5/51
In: 2235.544+/-0.300 χ²/NDF:5444574.5/45
Out: 2241.721+/-0.289 χ²/NDF:7324624.9/53
All: 2238.749+/-0.208 χ²/NDF: 12769419.4/9

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1093.187+/-881.013 χ^2/NDF: 28.6/22

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2201.917+/-822.915 χ^2/NDF: 22.2/28

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

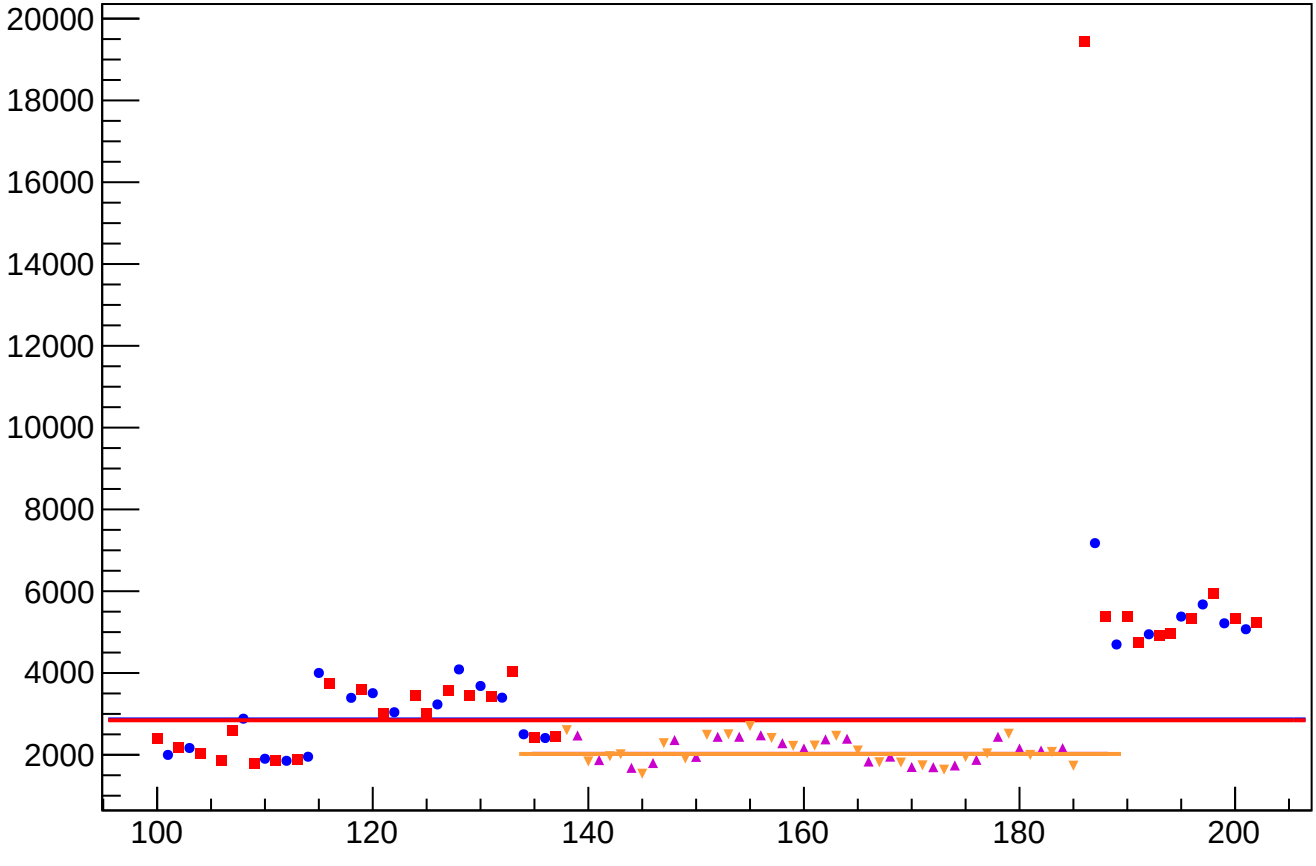
Right: -666.586+/-601.380 χ^2/NDF: 58.2/51

In: 251.711+/-420.494 χ^2/NDF:54.4/45

Out: 1403.248+/-405.461 χ^2/NDF:100.2/53

All: 848.431+/-291.874 χ^2/NDF: 158.5/99

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2865.139+/-0.623 χ^2/NDF: 3324322.5/22

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2844.415+/-0.582 χ^2/NDF: 5016578.0/28

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

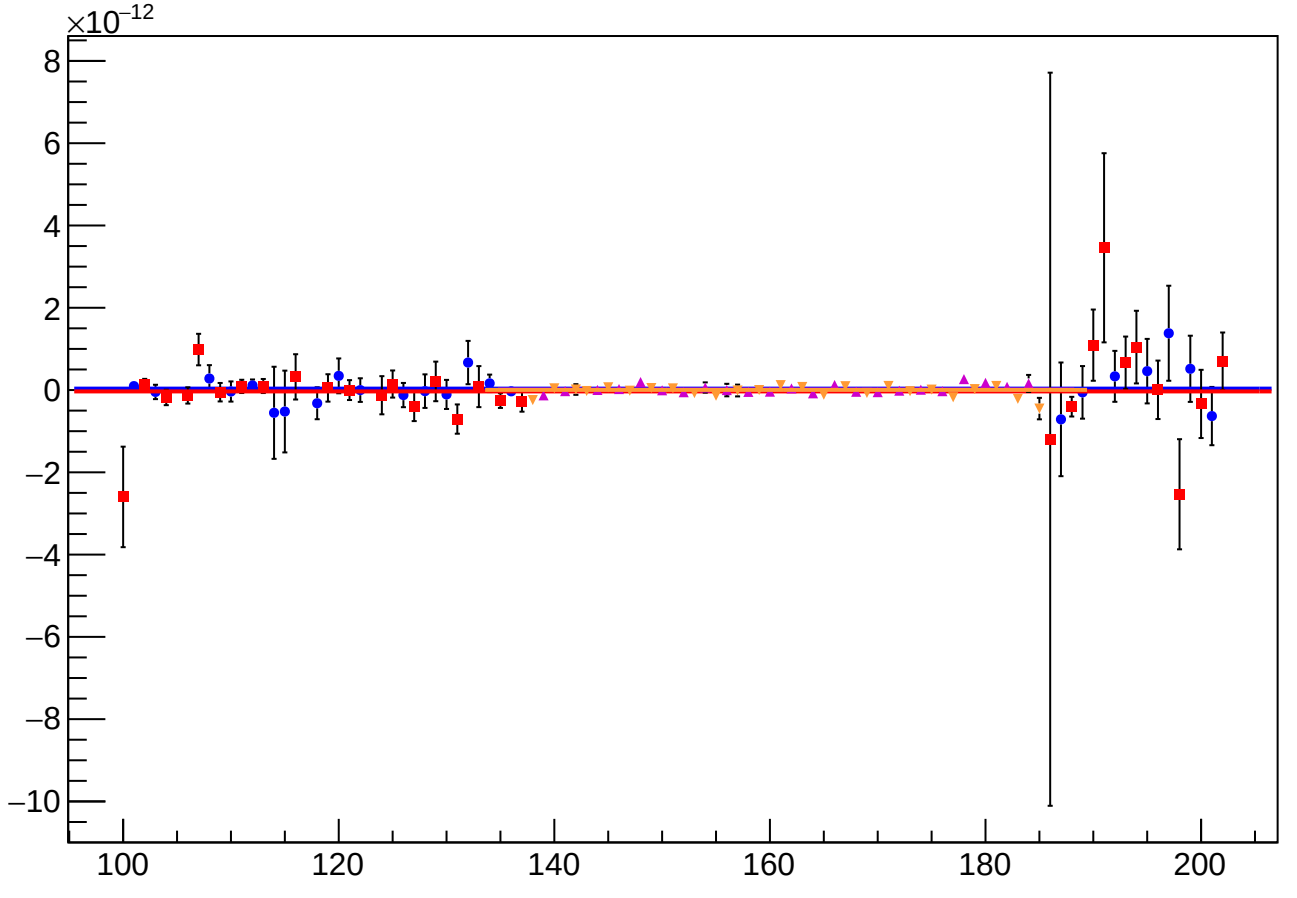
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2854.071+/-0.425 χ^2/NDF: 8341491.6/51

In: 2215.058+/-0.297 χ^2/NDF:5430543.1/45

Out: 2221.098+/-0.287 χ^2/NDF:7413276.7/53

All: 2218.188+/-0.206 χ^2/NDF: 12844033.7/9



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.0/28

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

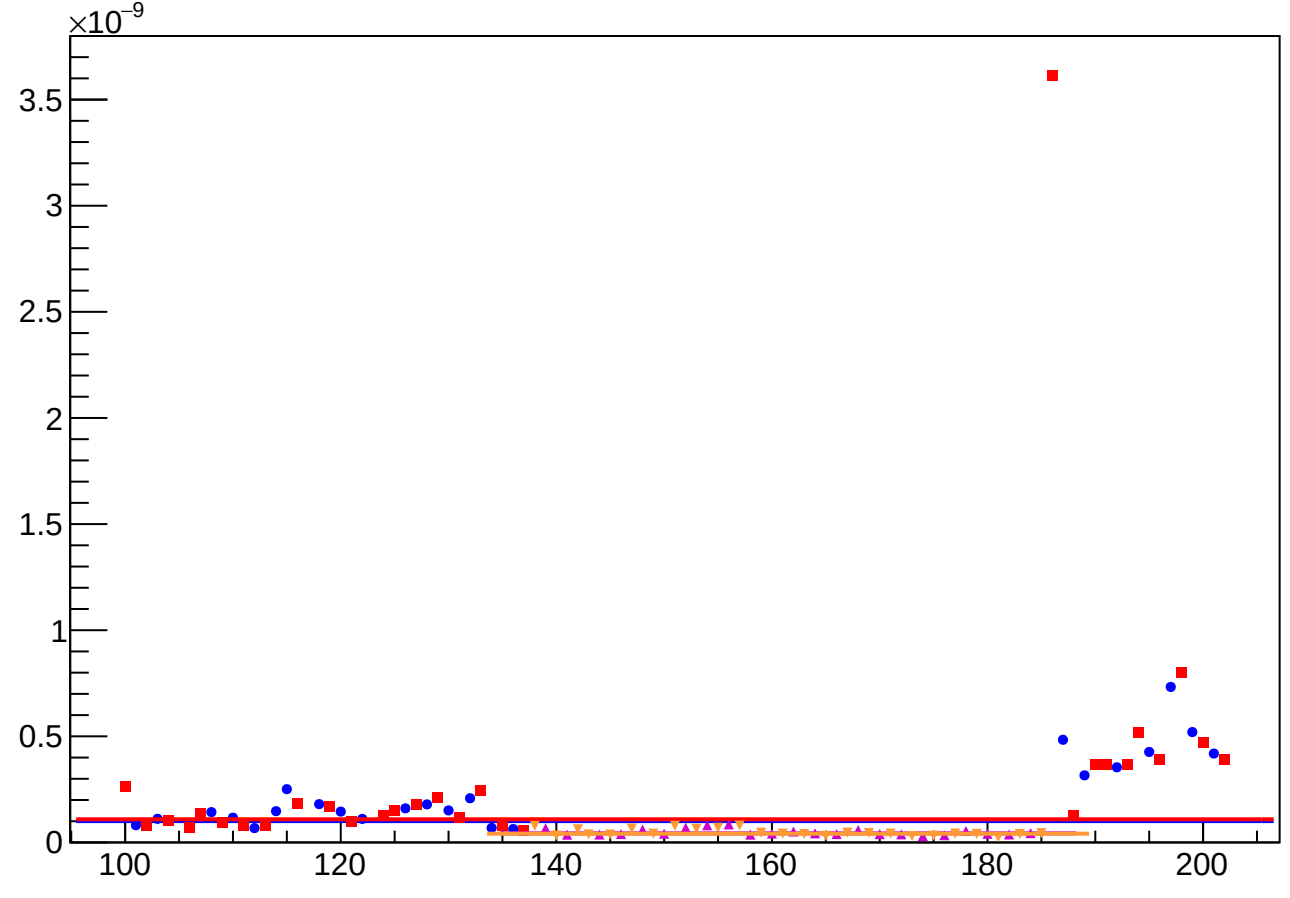
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 47.4/51

In: 0.000+/-0.000 χ^2/NDF:30.6/45

Out: 0.000+/-0.000 χ^2/NDF:69.5/53

All: 0.000+/-0.000 χ^2/NDF: 100.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 3610194.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3775657.2/28

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

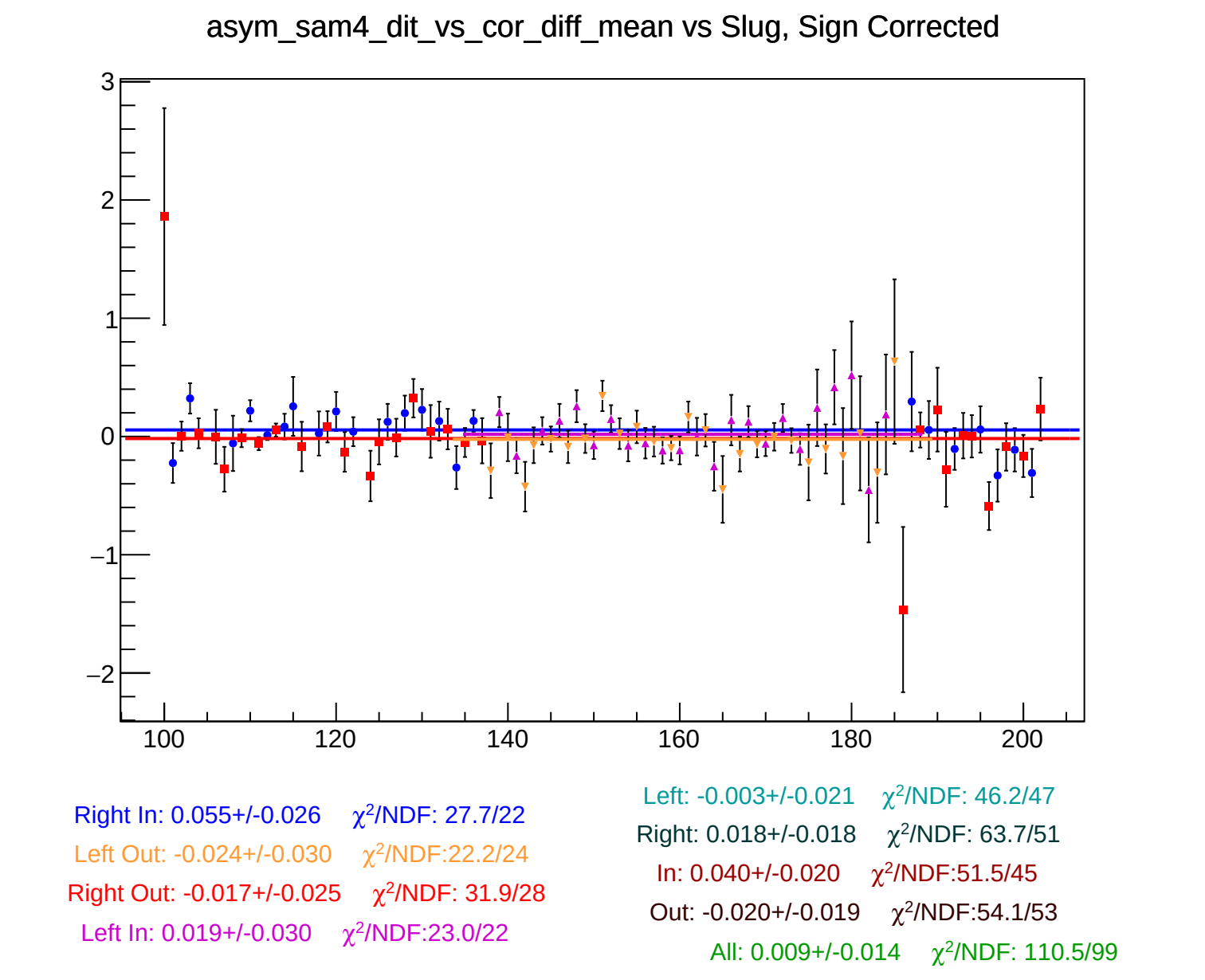
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7412525.4/51

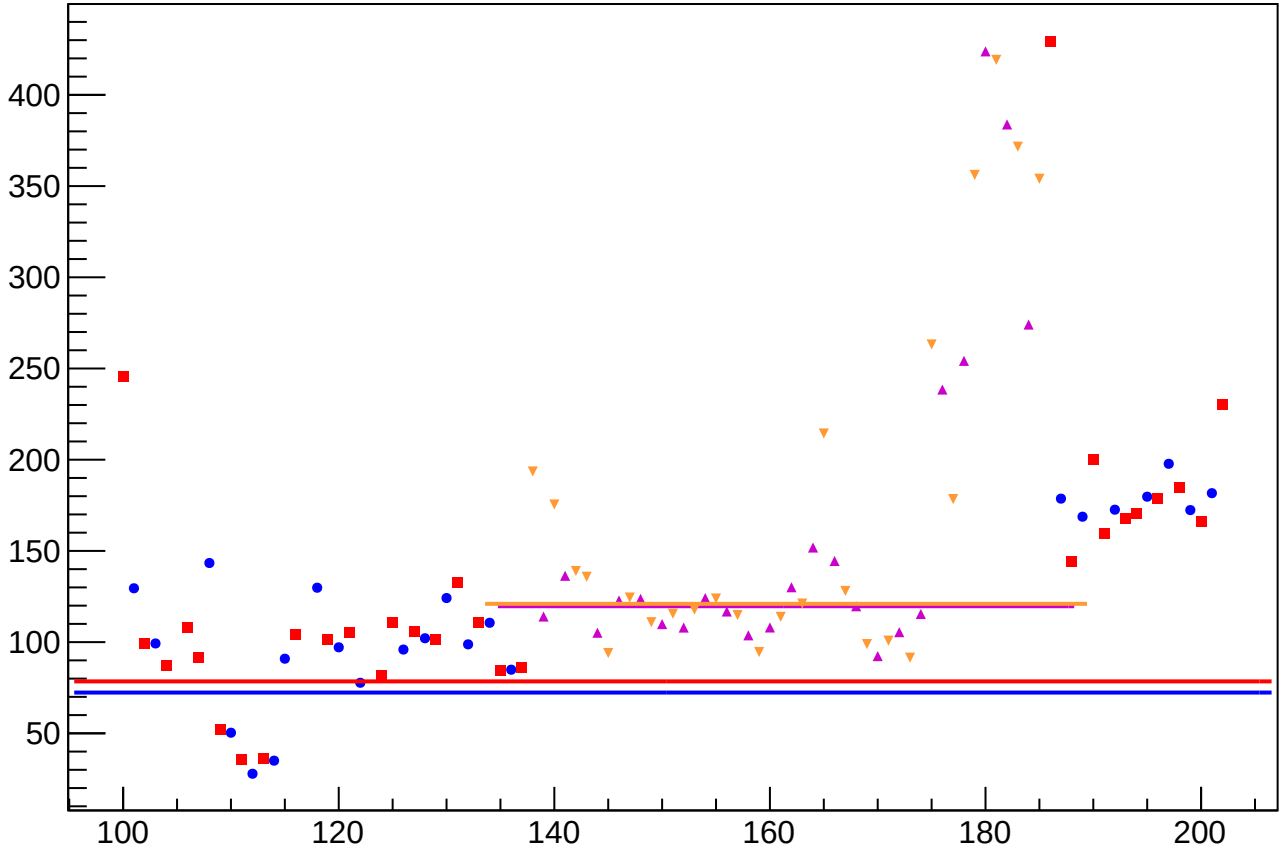
In: 0.000+/-0.000 χ^2/NDF:6787110.8/45

Out: 0.000+/-0.000 χ^2/NDF:7966208.4/53

All: 0.000+/-0.000 χ^2/NDF: 14765807.3/99


asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.055+/-0.026 χ²/NDF: 27.7/22
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.017+/-0.025 χ²/NDF: 31.9/28
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.018+/-0.018 χ²/NDF: 63.7/51
In: 0.040+/-0.020 χ²/NDF:51.5/45
Out: -0.020+/-0.019 χ²/NDF:54.1/53
All: 0.009+/-0.014 χ²/NDF: 110.5/99

asym_sam4_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 72.354+/-0.018 χ^2/NDF: 7424566.5/22

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 78.472+/-0.018 χ^2/NDF: 7675973.2/28

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

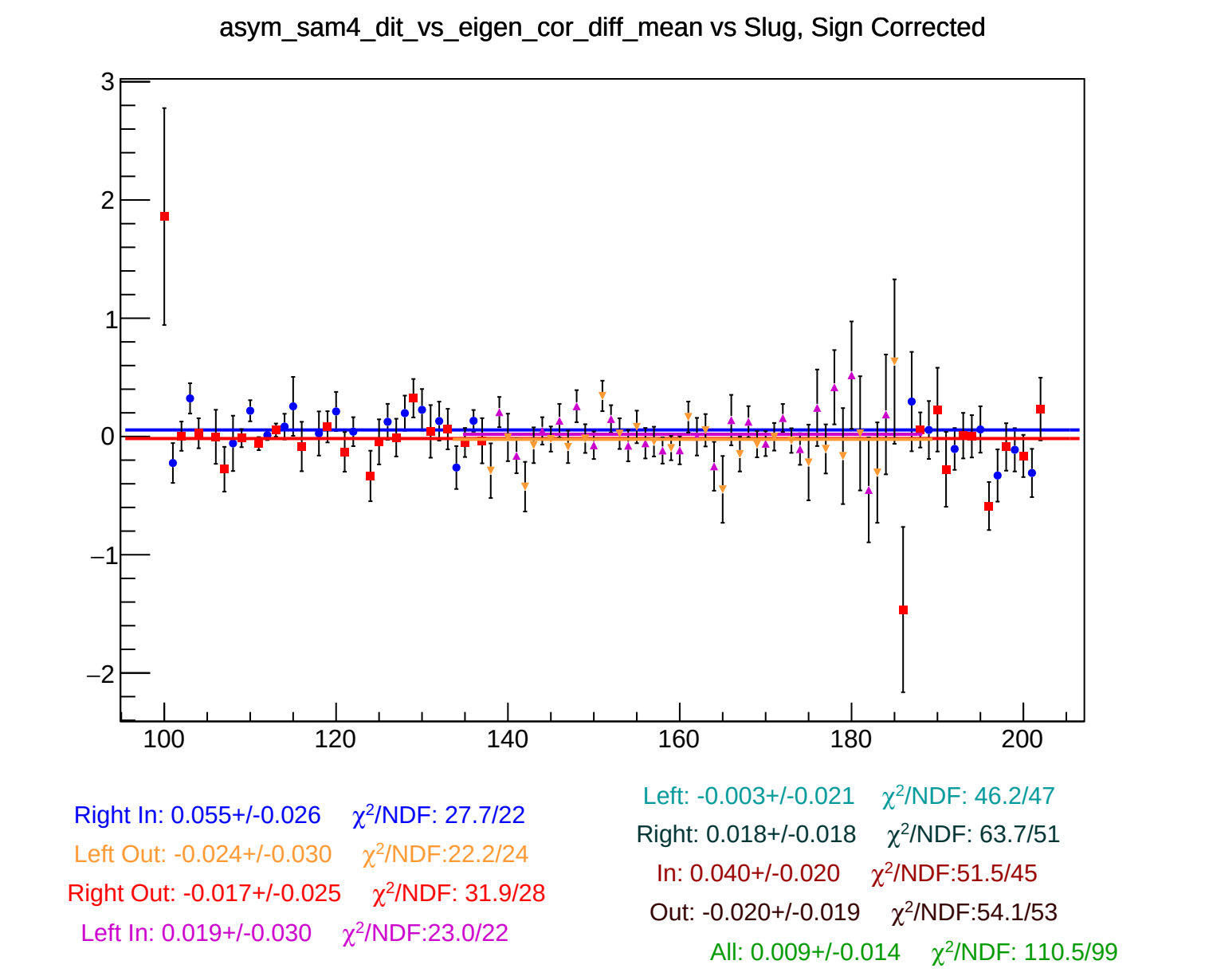
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

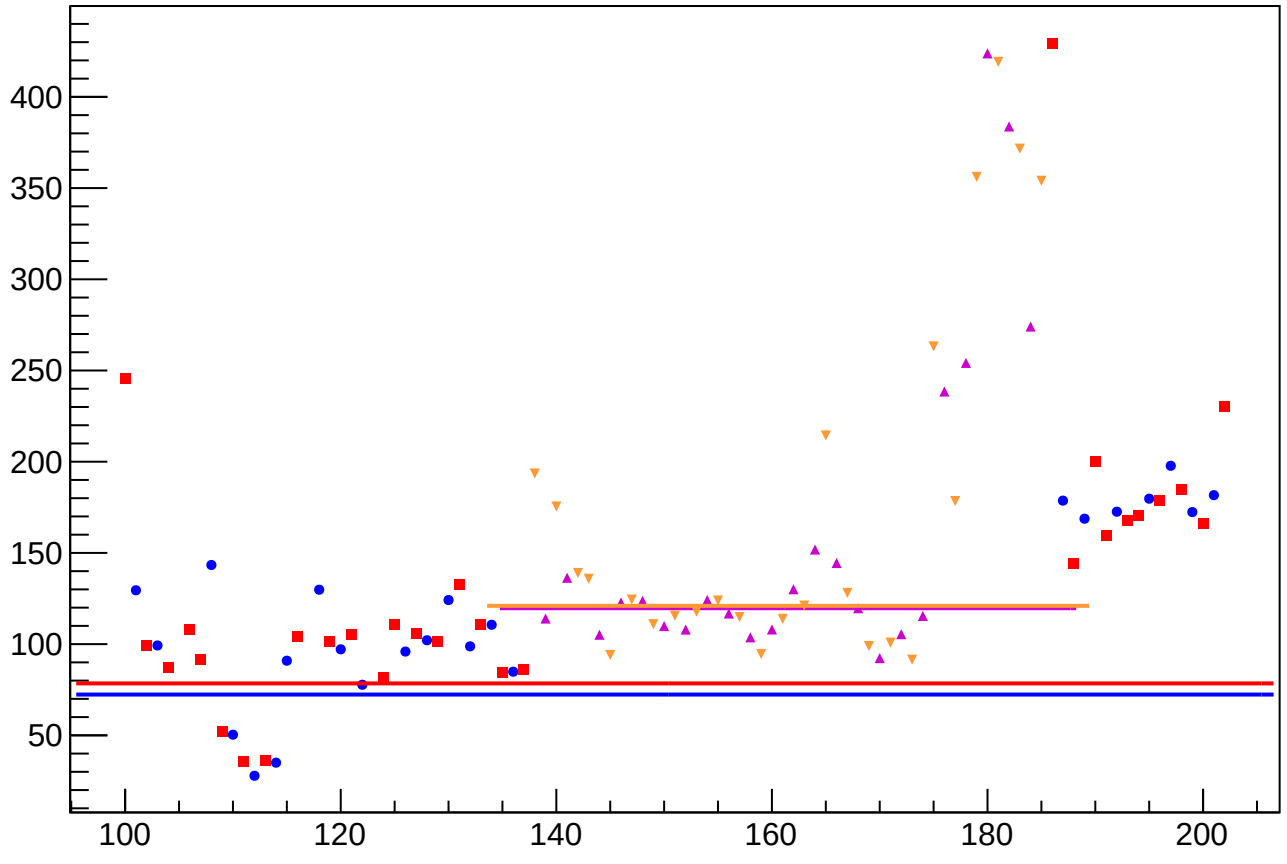
Right: 75.493+/-0.013 χ^2/NDF: 15159113.4/51

In: 92.128+/-0.014 χ^2/NDF:13117261.3/45

Out: 95.921+/-0.014 χ^2/NDF:14156629.1/53

All: 94.062+/-0.010 χ^2/NDF: 27312334.3/99


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.055+/-0.026 χ²/NDF: 27.7/22
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.017+/-0.025 χ²/NDF: 31.9/28
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.018+/-0.018 χ²/NDF: 63.7/51
In: 0.040+/-0.020 χ²/NDF:51.5/45
Out: -0.020+/-0.019 χ²/NDF:54.1/53
All: 0.009+/-0.014 χ²/NDF: 110.5/99



Right In: 72.354+/-0.018 χ^2/NDF: 7424566.5/22

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 78.472+/-0.018 χ^2/NDF: 7675973.2/28

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

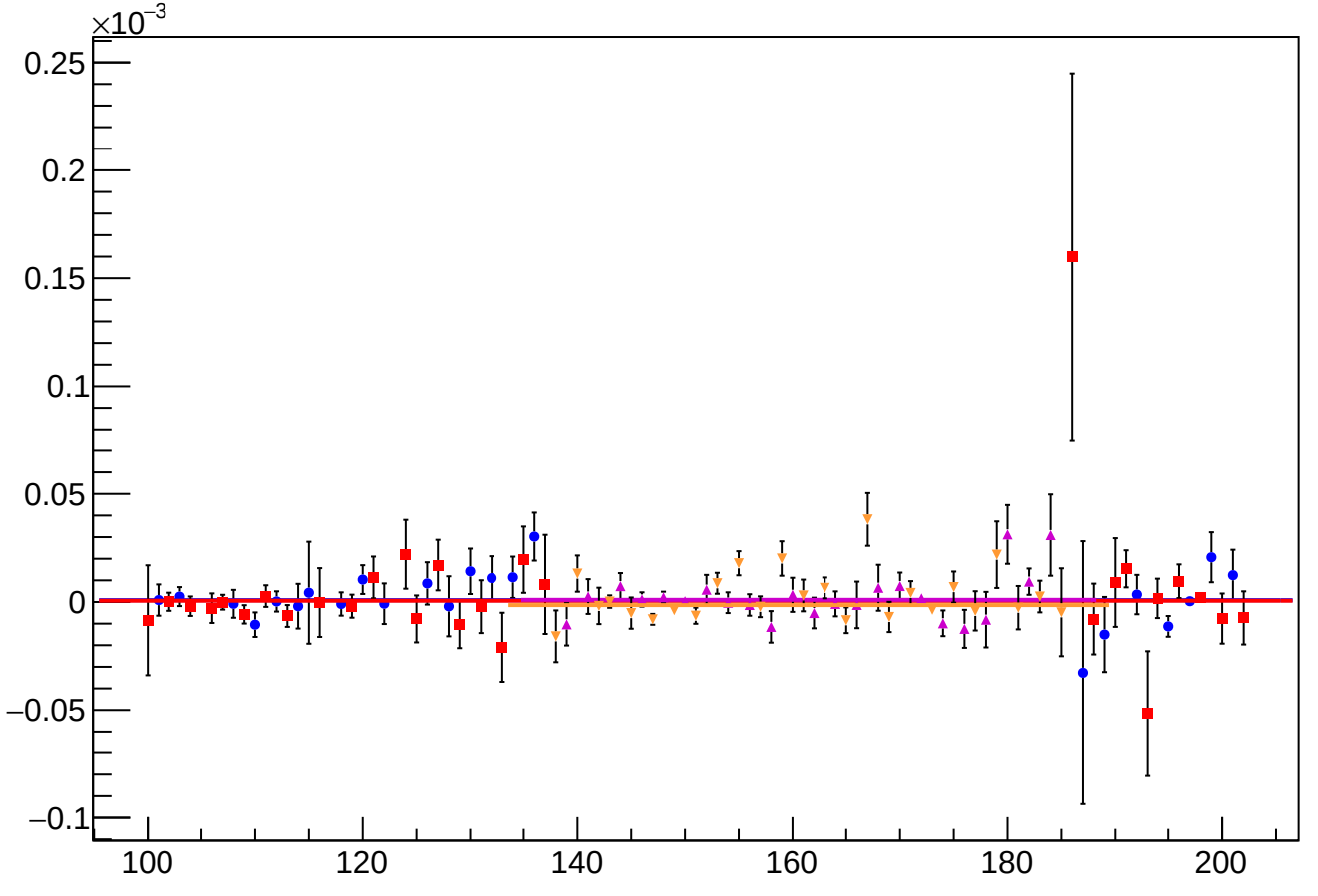
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 75.493+/-0.013 χ^2/NDF: 15159113.4/51

In: 92.128+/-0.014 χ^2/NDF:13117261.3/45

Out: 95.921+/-0.014 χ^2/NDF:14156629.1/53

All: 94.062+/-0.010 χ^2/NDF: 27312334.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

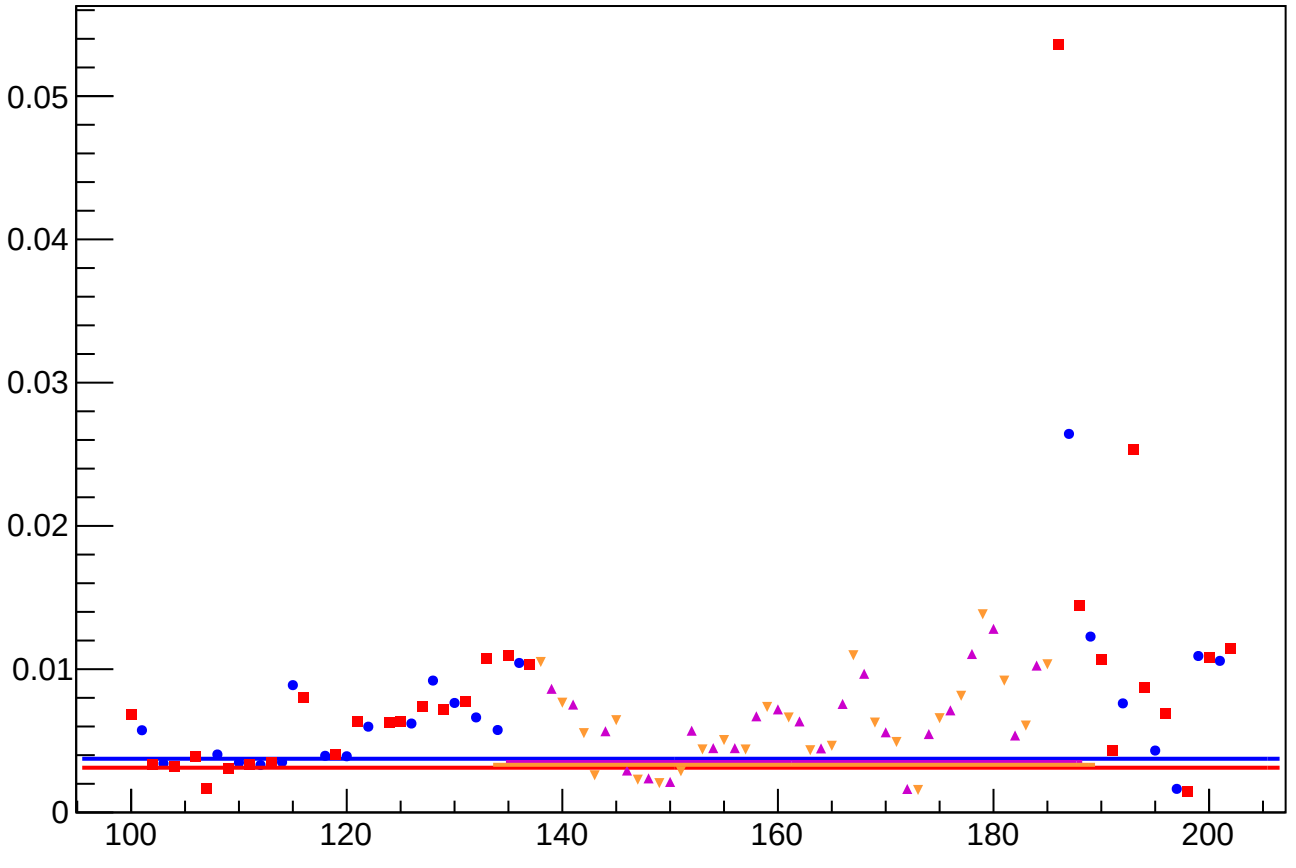
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 58.5/51

In: 0.000+/-0.000 χ^2/NDF:54.1/45

Out: -0.000+/-0.000 χ^2/NDF:91.4/53

All: 0.000+/-0.000 χ^2/NDF: 147.7/99



Right In: 0.004+/-0.000 χ^2/NDF: 6551202.7/22

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11336549.0/28

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

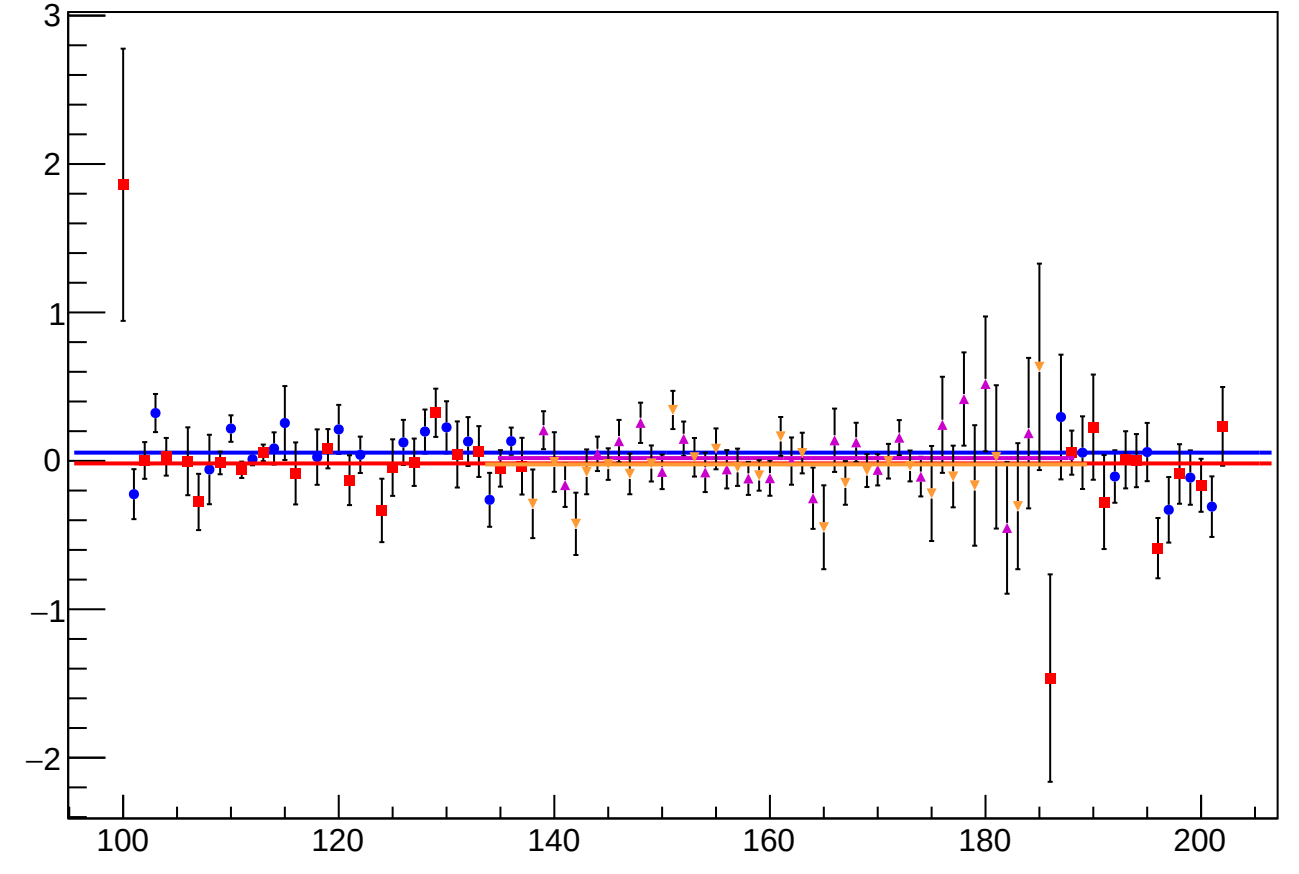
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.003+/-0.000 χ^2/NDF: 18161924.9/51

In: 0.004+/-0.000 χ^2/NDF:16015855.7/45

Out: 0.003+/-0.000 χ^2/NDF:21864573.8/53

All: 0.003+/-0.000 χ^2/NDF: 38120129.5/99



Right In: 0.055+/-0.026 χ^2/NDF: 27.7/22

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 31.9/28

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

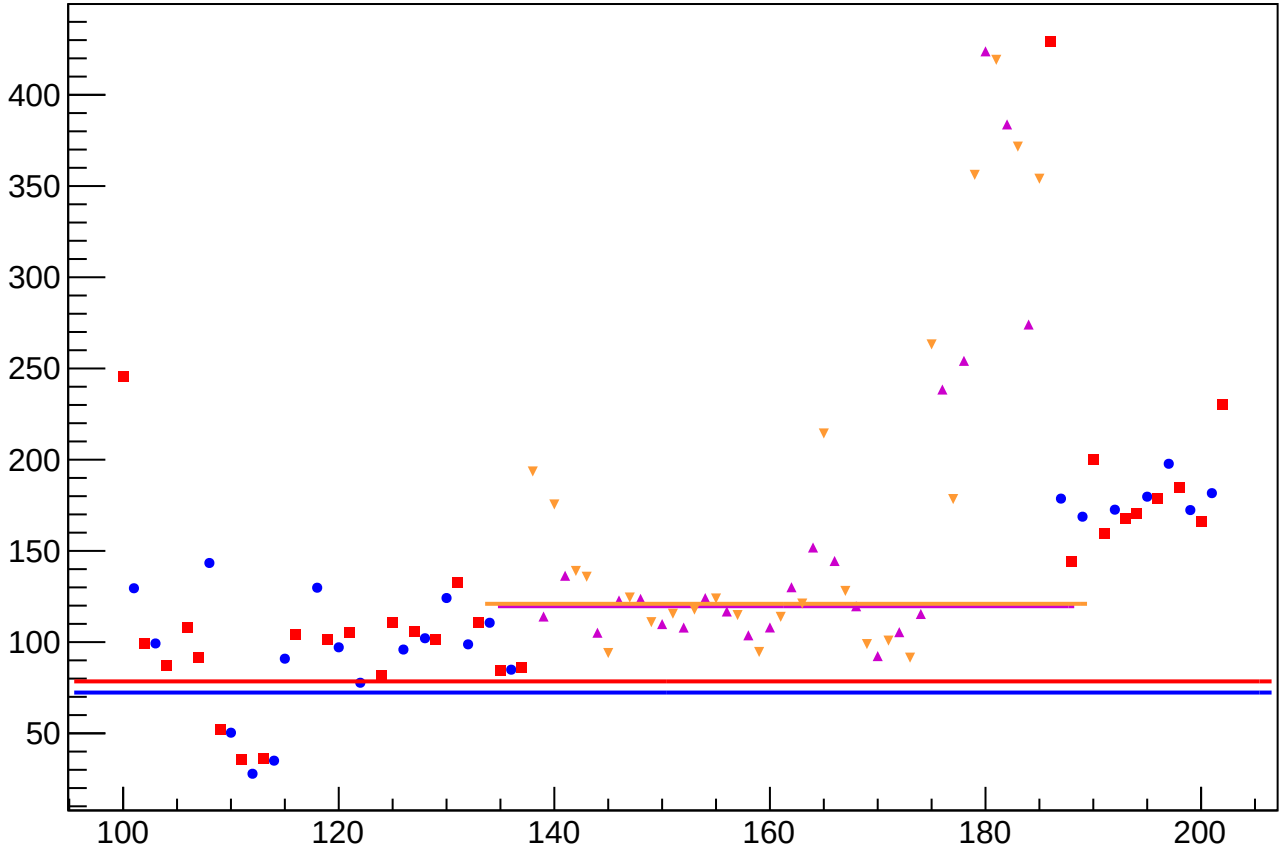
Right: 0.018+/-0.018 χ^2/NDF: 63.7/51

In: 0.040+/-0.020 χ^2/NDF:51.5/45

Out: -0.020+/-0.019 χ^2/NDF:54.1/53

All: 0.009+/-0.014 χ^2/NDF: 110.5/99

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 72.352+/-0.018 χ^2/NDF: 7424932.0/22

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 78.470+/-0.018 χ^2/NDF: 7676403.7/28

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

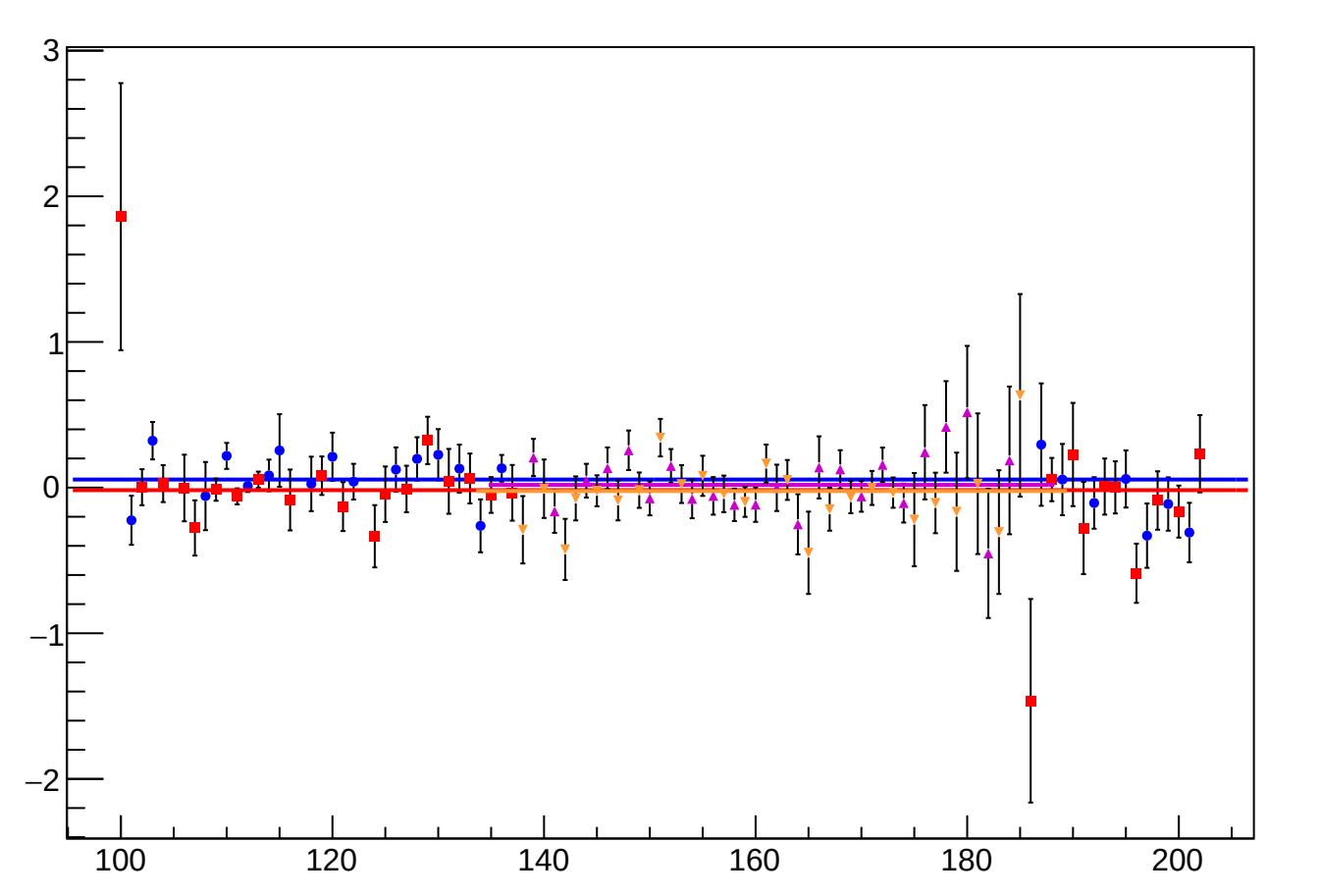
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 75.491+/-0.013 χ^2/NDF: 15159917.4/51

In: 92.126+/-0.014 χ^2/NDF:13117982.7/45

Out: 95.920+/-0.014 χ^2/NDF:14157347.6/53

All: 94.061+/-0.010 χ^2/NDF: 27313782.0/99



Right In: 0.055+/-0.026 χ^2/NDF: 27.7/22

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 31.9/28

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

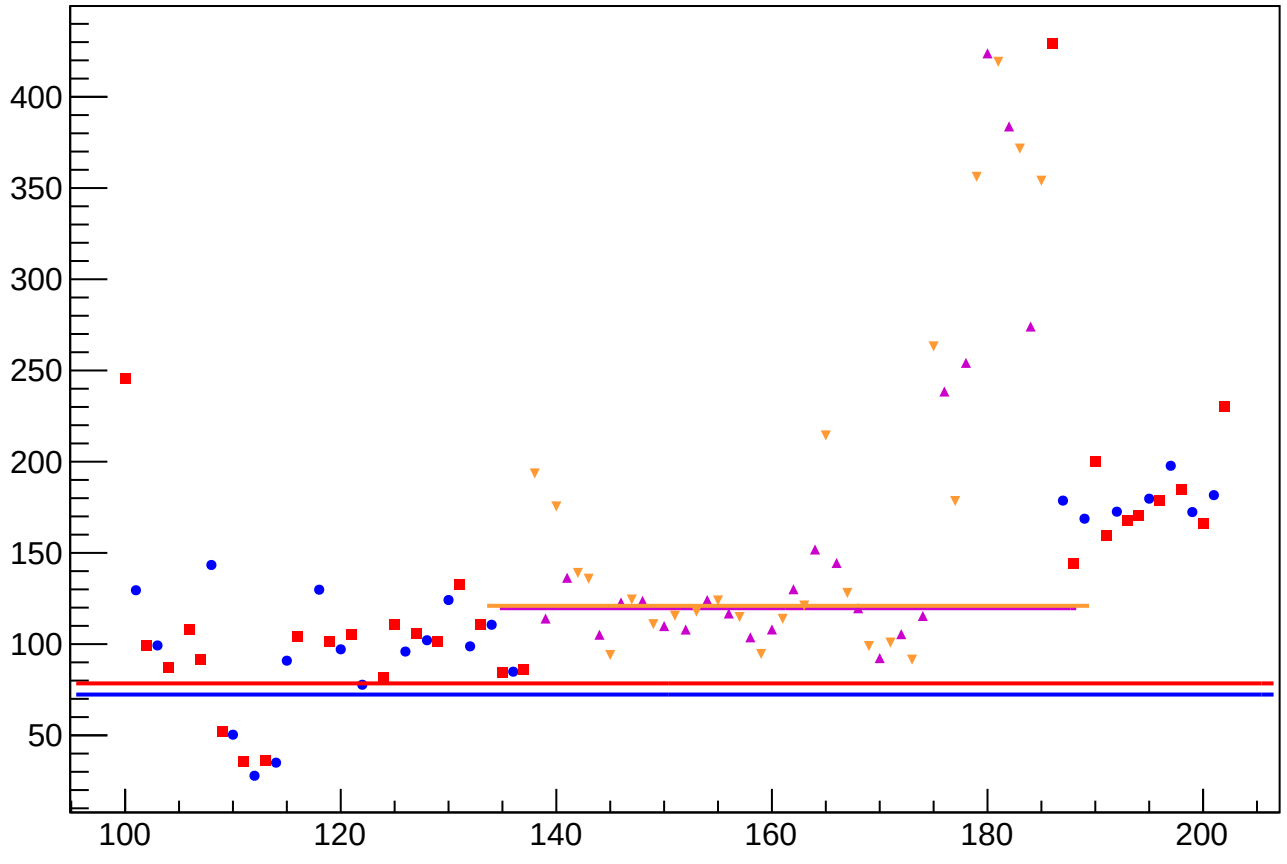
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.018+/-0.018 χ^2/NDF: 63.7/51

In: 0.040+/-0.020 χ^2/NDF:51.5/45

Out: -0.020+/-0.019 χ^2/NDF:54.1/53

All: 0.009+/-0.014 χ^2/NDF: 110.5/99



Right In: 72.352+/-0.018 χ^2/NDF: 7424932.0/22

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 78.470+/-0.018 χ^2/NDF: 7676403.7/28

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

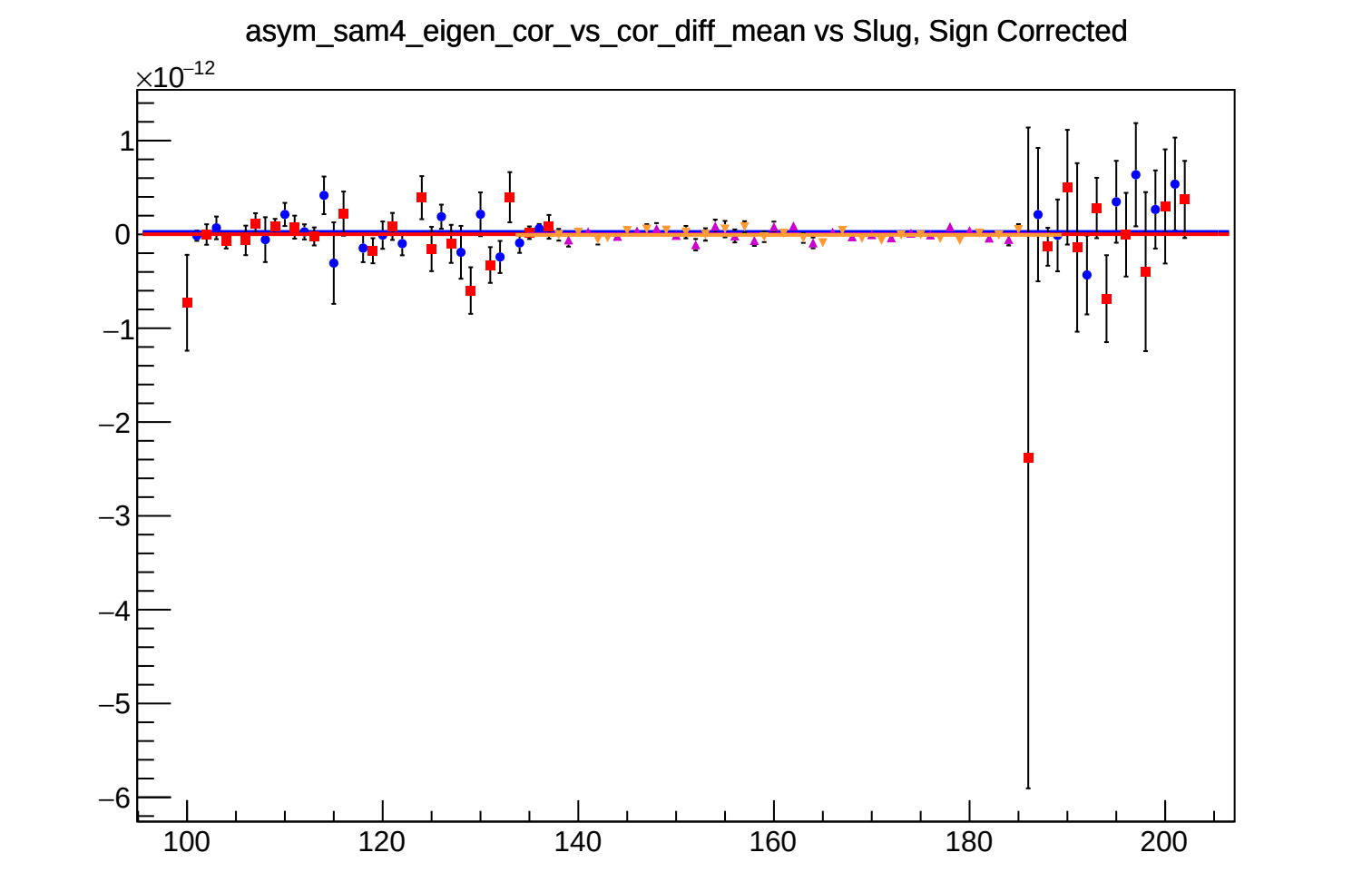
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 75.491+/-0.013 χ^2/NDF: 15159917.4/51

In: 92.126+/-0.014 χ^2/NDF:13117982.7/45

Out: 95.920+/-0.014 χ^2/NDF:14157347.6/53

All: 94.061+/-0.010 χ^2/NDF: 27313782.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/28

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

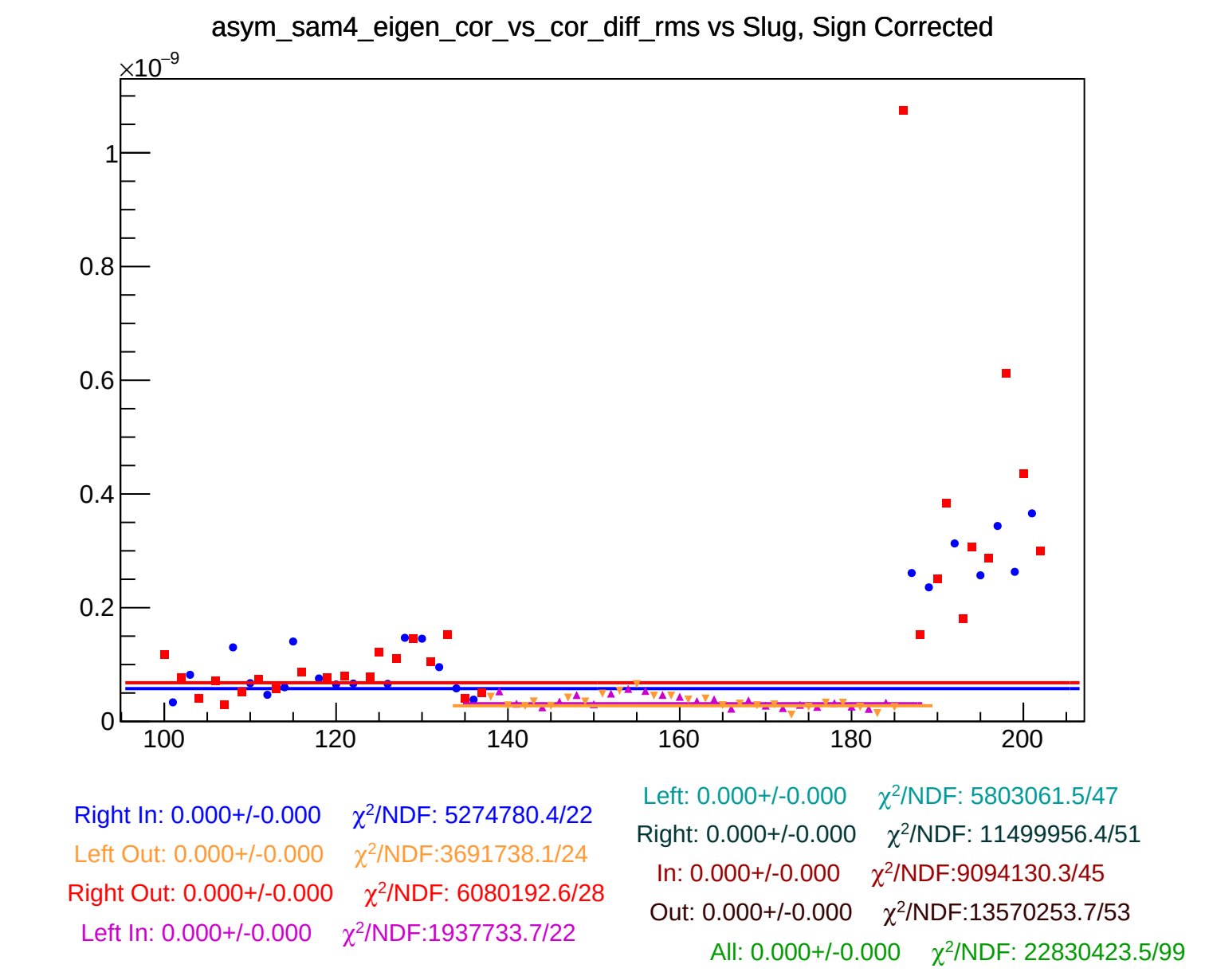
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 50.7/51

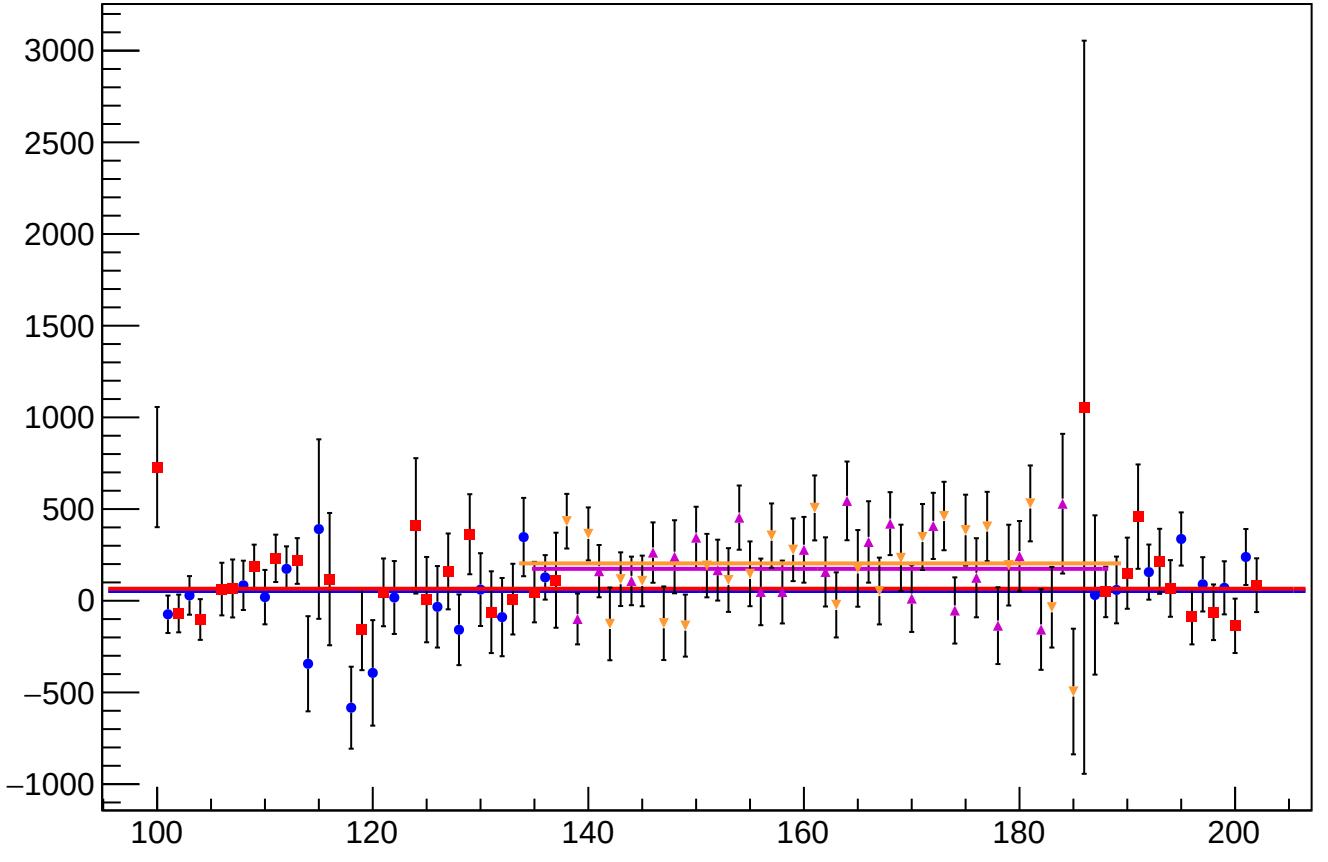
In: 0.000+/-0.000 χ^2/NDF:49.6/45

Out: -0.000+/-0.000 χ^2/NDF:51.3/53

All: -0.000+/-0.000 χ^2/NDF: 101.7/99


asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5274780.4/22
Left Out: 0.000+/-0.000 χ²/NDF:3691738.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6080192.6/28
Left In: 0.000+/-0.000 χ²/NDF:1937733.7/22
Left: 0.000+/-0.000 χ²/NDF: 5803061.5/47
Right: 0.000+/-0.000 χ²/NDF: 11499956.4/51
In: 0.000+/-0.000 χ²/NDF:9094130.3/45
Out: 0.000+/-0.000 χ²/NDF:13570253.7/53
All: 0.000+/-0.000 χ²/NDF: 22830423.5/99

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 53.269+/-33.756 χ^2/NDF: 26.0/22

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 65.493+/-30.993 χ^2/NDF: 23.5/28

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

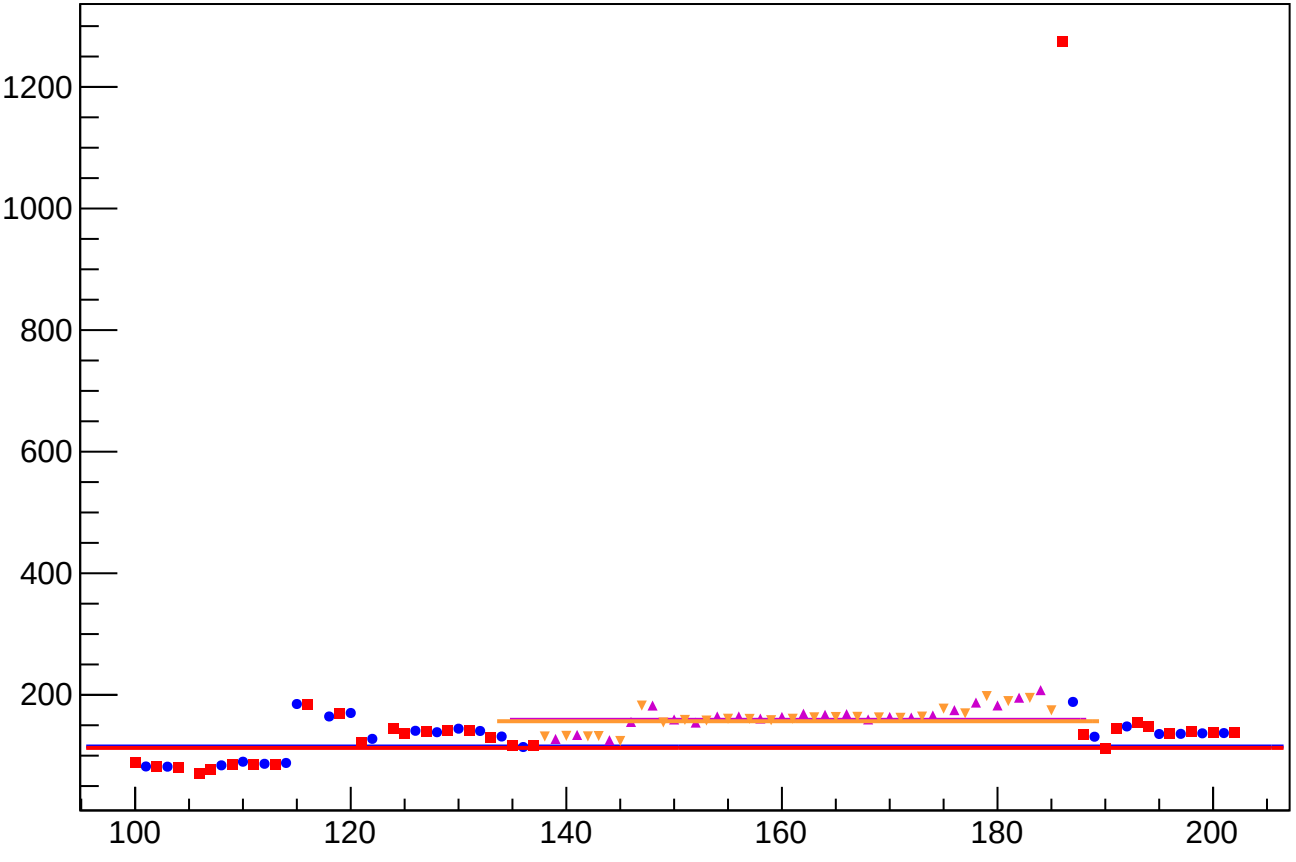
Right: 59.902+/-22.830 χ^2/NDF: 49.5/51

In: 107.449+/-25.060 χ^2/NDF:56.2/45

Out: 124.581+/-23.454 χ^2/NDF:64.9/53

All: 116.581+/-17.124 χ^2/NDF: 121.3/99

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.035+/-0.024 χ^2/NDF: 1394395.7/22

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 112.771+/-0.022 χ^2/NDF: 2490612.4/28

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

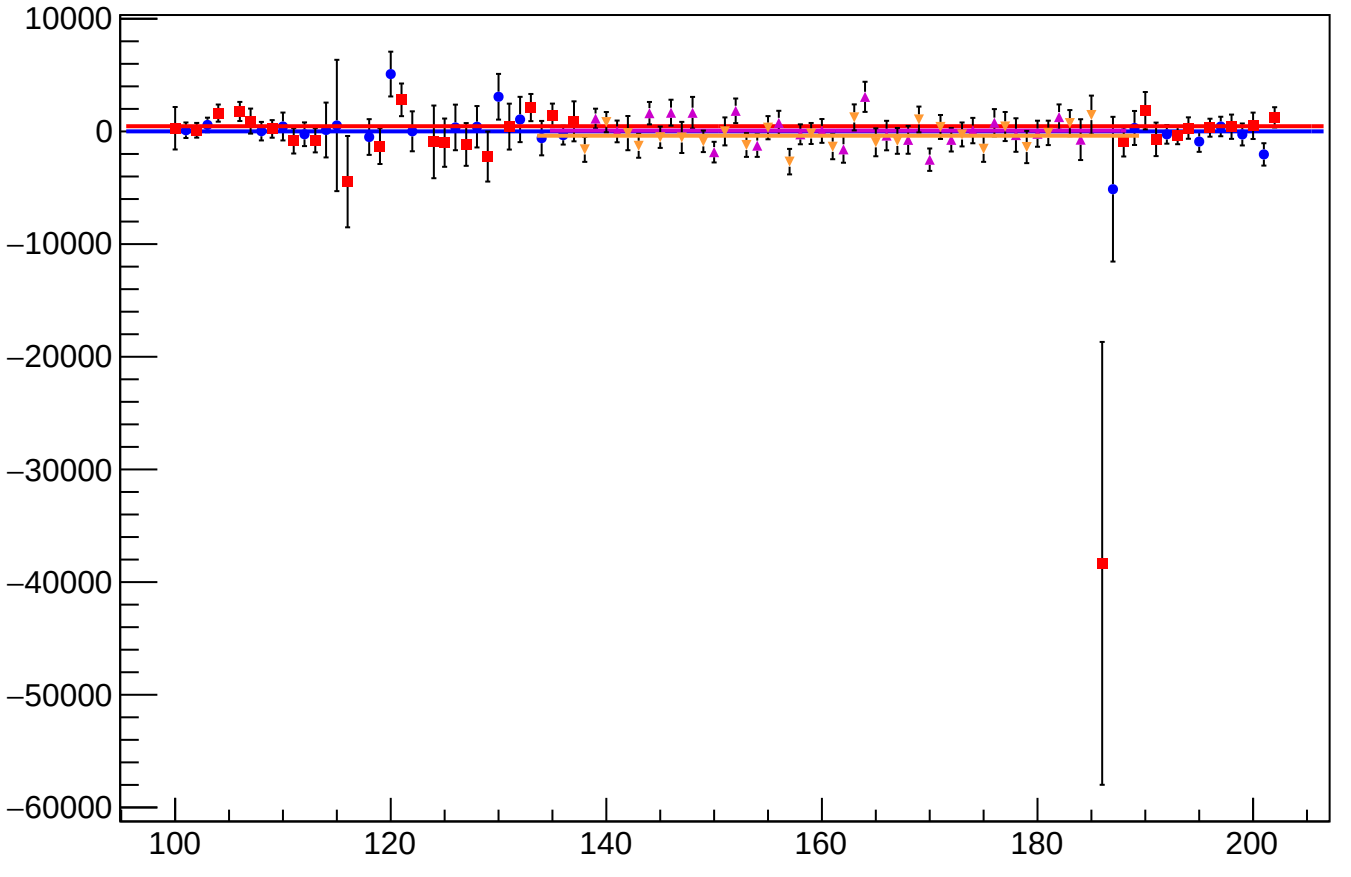
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 113.806+/-0.016 χ^2/NDF: 3889890.7/51

In: 134.747+/-0.018 χ^2/NDF:3425169.8/45

Out: 131.517+/-0.017 χ^2/NDF:4785215.7/53

All: 133.025+/-0.012 χ^2/NDF: 8228098.8/99



Right In: 6.270+/-234.798 χ^2/NDF: 17.0/22

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 462.451+/-212.104 χ^2/NDF: 27.2/28

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

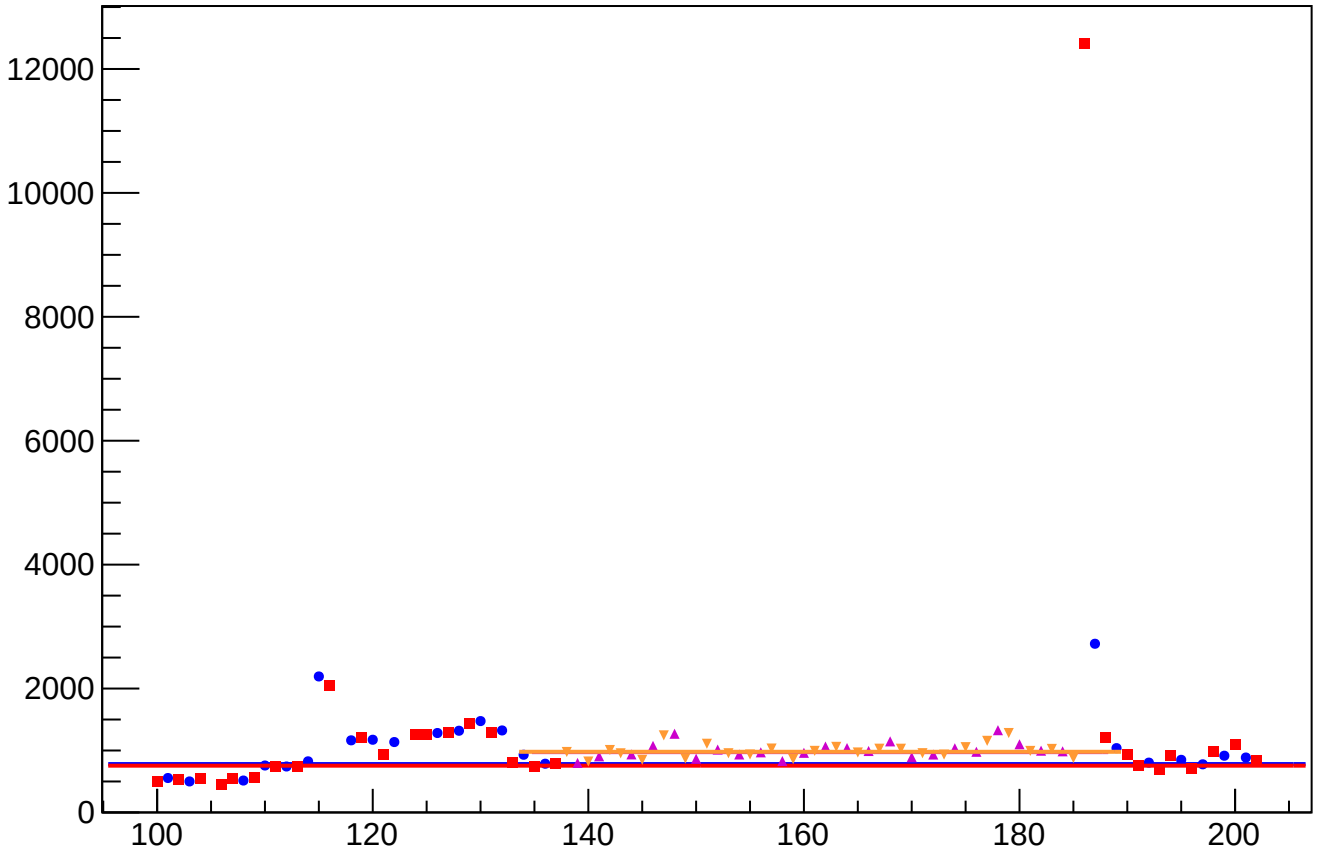
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 257.466+/-157.393 χ^2/NDF: 46.2/51

In: 41.090+/-164.227 χ^2/NDF:50.1/45

Out: 64.901+/-154.194 χ^2/NDF:53.3/53

All: 53.745+/-112.411 χ^2/NDF: 103.4/99



Right In: 780.882+/-0.166 χ^2/NDF: 2205802.7/22

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 755.146+/-0.150 χ^2/NDF: 3282589.5/28

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

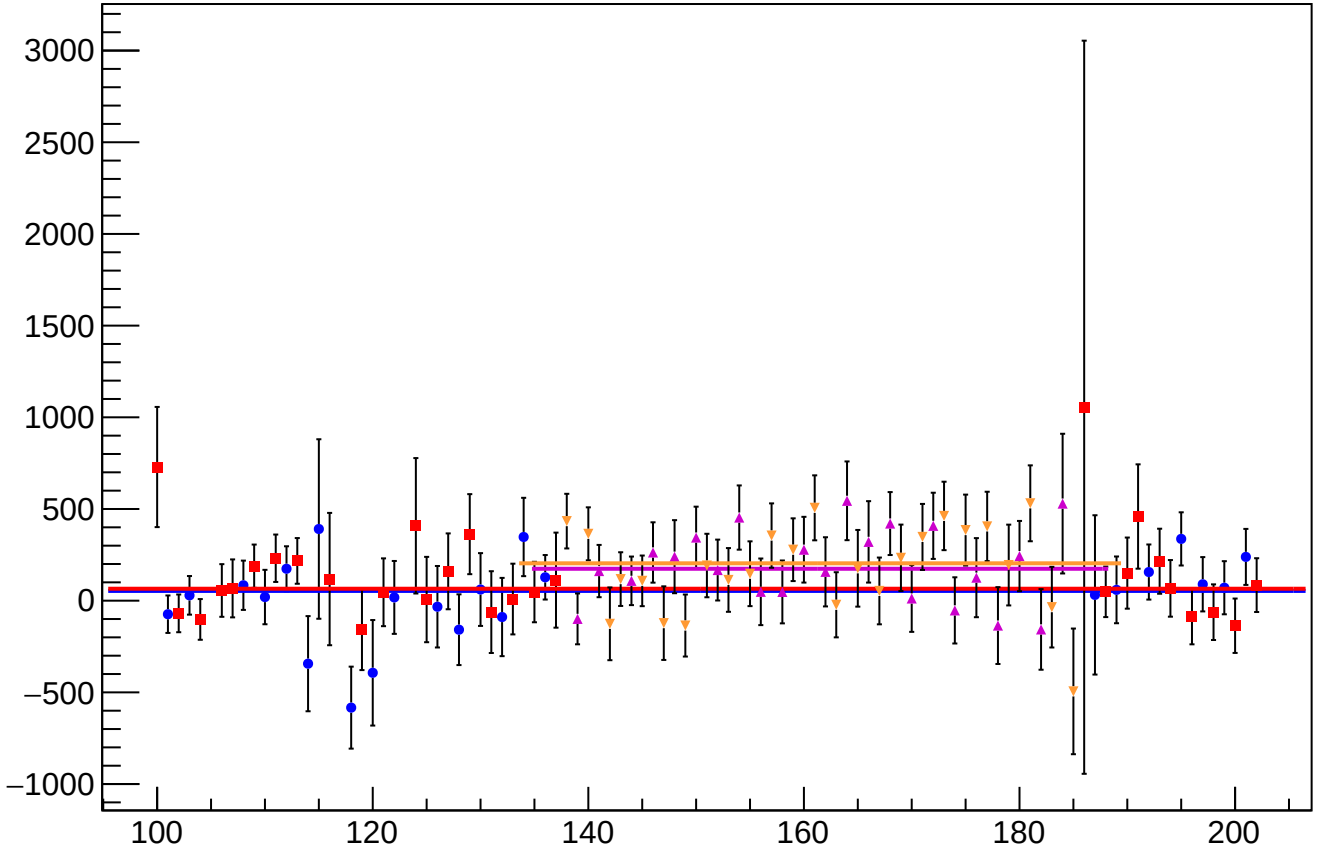
Right: 766.710+/-0.111 χ^2/NDF: 5501623.7/51

In: 879.430+/-0.116 χ^2/NDF:3394181.4/45

Out: 860.748+/-0.109 χ^2/NDF:4763831.5/53

All: 869.501+/-0.079 χ^2/NDF: 8171768.5/99

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 53.263+/-33.756 χ^2/NDF: 26.0/22

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 65.138+/-30.995 χ^2/NDF: 23.5/28

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

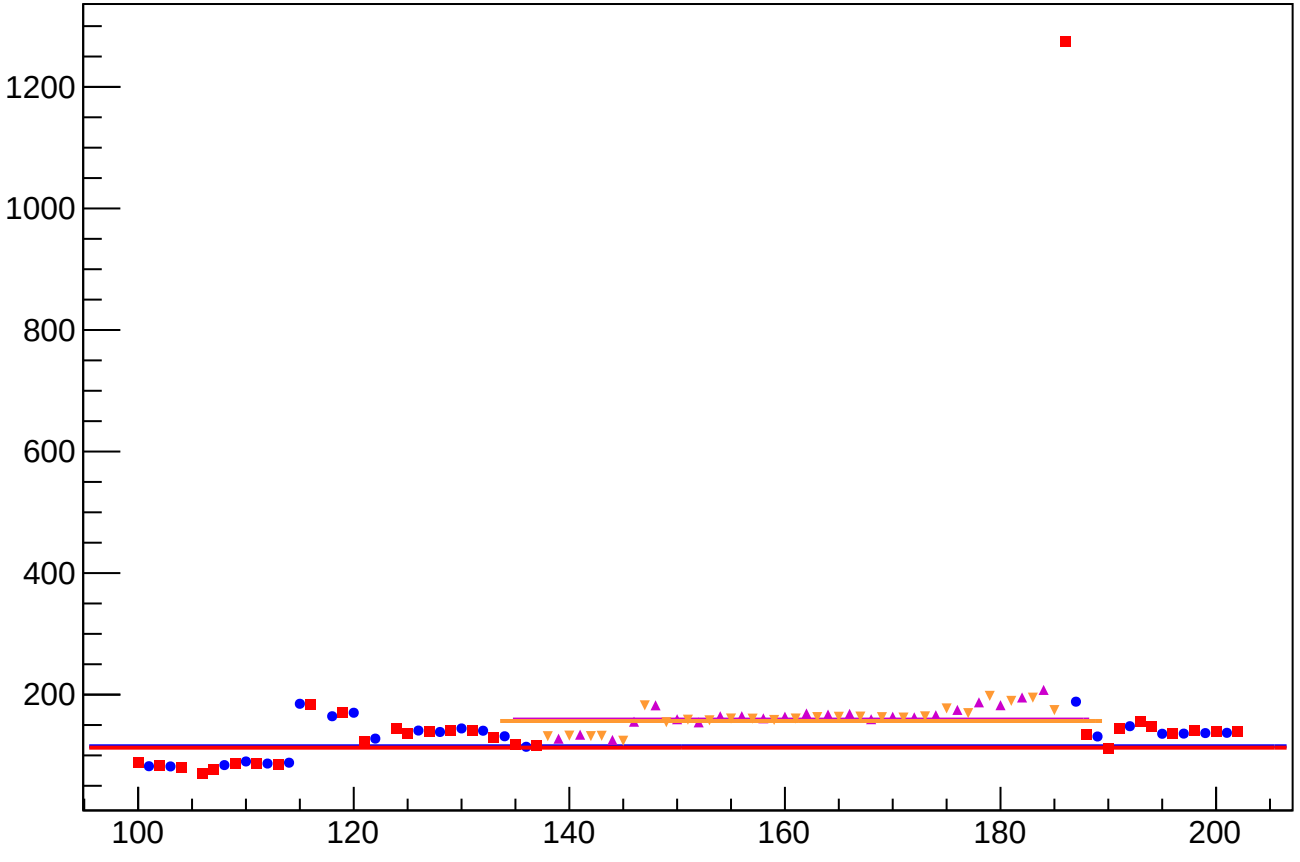
Right: 59.706+/-22.831 χ^2/NDF: 49.5/51

In: 107.447+/-25.060 χ^2/NDF:56.2/45

Out: 124.383+/-23.454 χ^2/NDF:64.9/53

All: 116.475+/-17.124 χ^2/NDF: 121.4/99

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.035+/-0.024 χ^2/NDF: 1394394.5/22

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 112.756+/-0.022 χ^2/NDF: 2493646.8/28

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

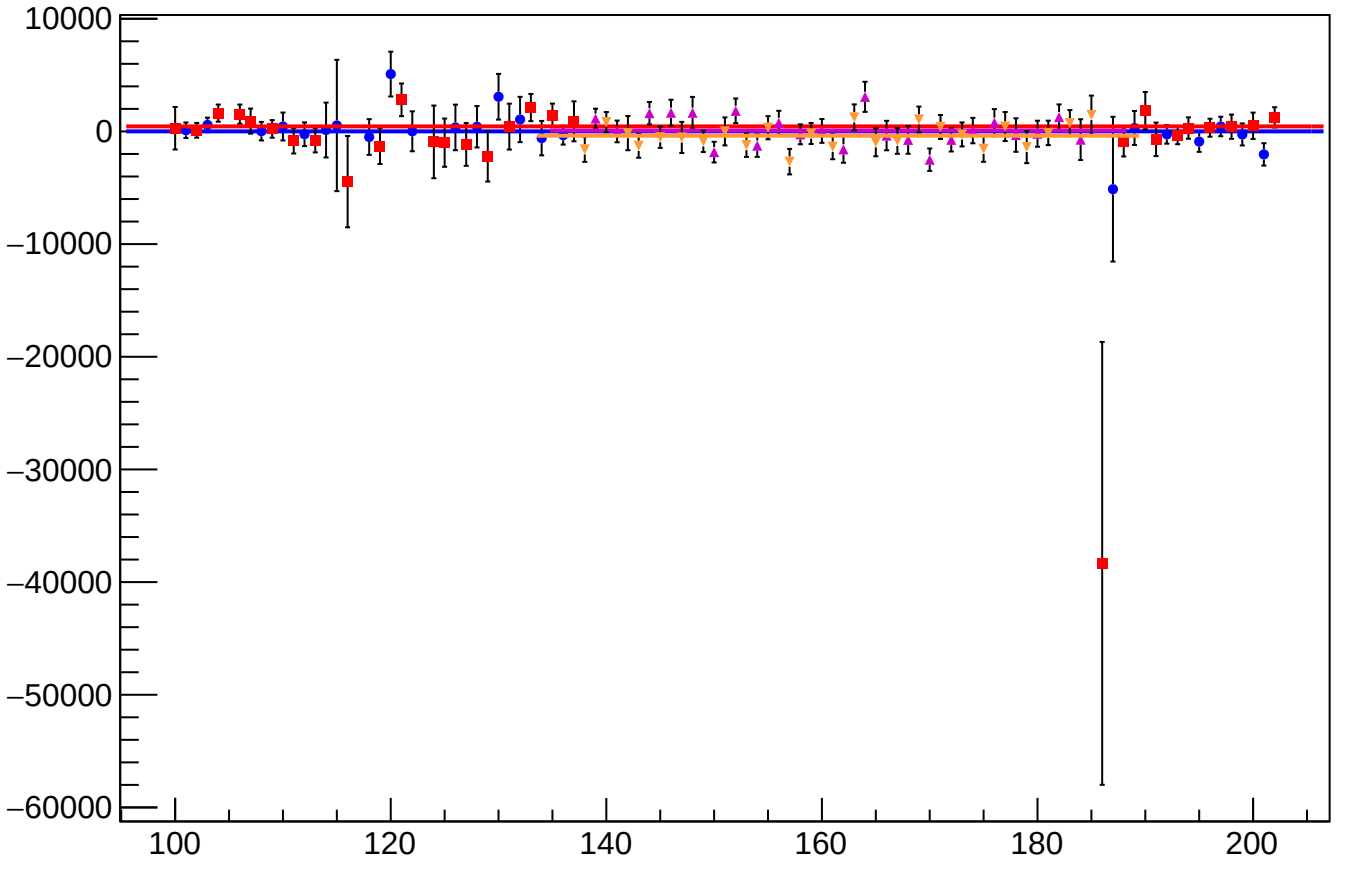
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 113.798+/-0.016 χ^2/NDF: 3892987.4/51

In: 134.747+/-0.018 χ^2/NDF:3425167.7/45

Out: 131.510+/-0.017 χ^2/NDF:4789329.9/53

All: 133.021+/-0.012 χ^2/NDF: 8232292.0/99



Right In: 6.269+/-234.798 χ^2/NDF: 17.0/22

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 446.421+/-212.190 χ^2/NDF: 26.3/28

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

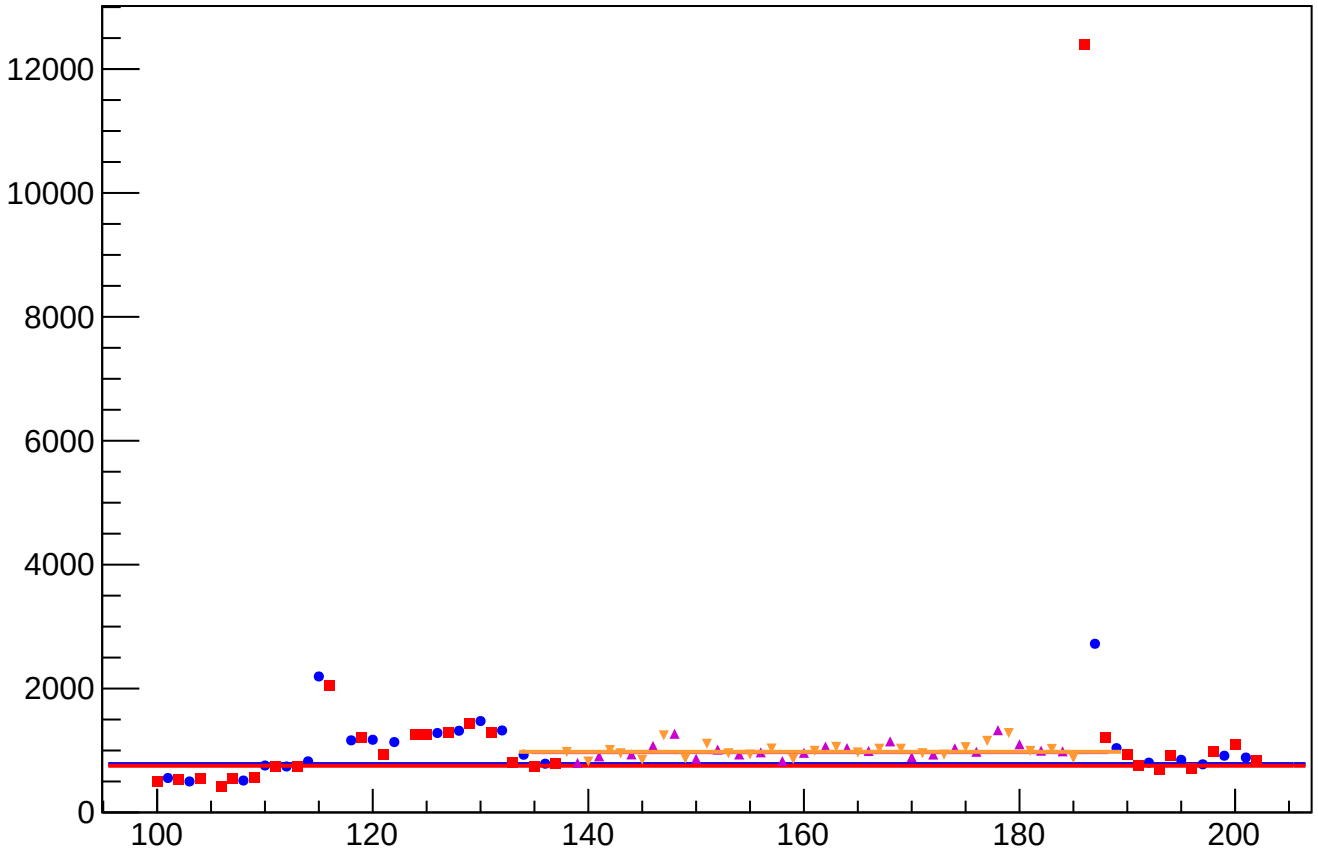
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 248.550+/-157.429 χ^2/NDF: 45.2/51

In: 41.089+/-164.227 χ^2/NDF:50.1/45

Out: 56.266+/-154.227 χ^2/NDF:52.2/53

All: 49.154+/-112.424 χ^2/NDF: 102.3/99



Right In: 780.882+/-0.166 χ^2/NDF: 2205805.6/22

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 753.888+/-0.150 χ^2/NDF: 3321756.7/28

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

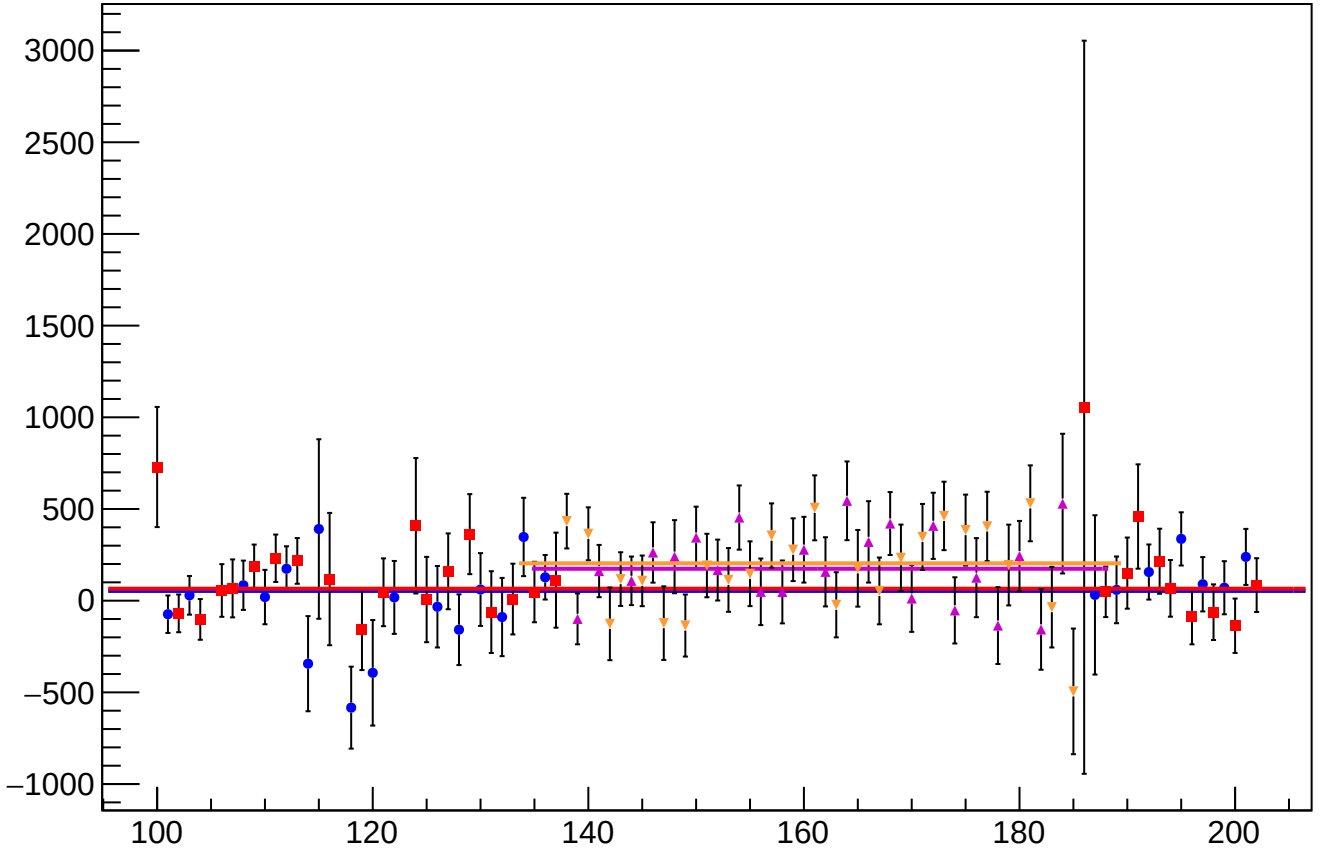
Right: 766.023+/-0.111 χ^2/NDF: 5542113.5/51

In: 879.430+/-0.116 χ^2/NDF:3394188.5/45

Out: 860.129+/-0.109 χ^2/NDF:4814437.2/53

All: 869.174+/-0.079 χ^2/NDF: 8223304.6/99

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 53.263+/-33.756 χ^2/NDF: 26.0/22

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 65.138+/-30.995 χ^2/NDF: 23.5/28

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

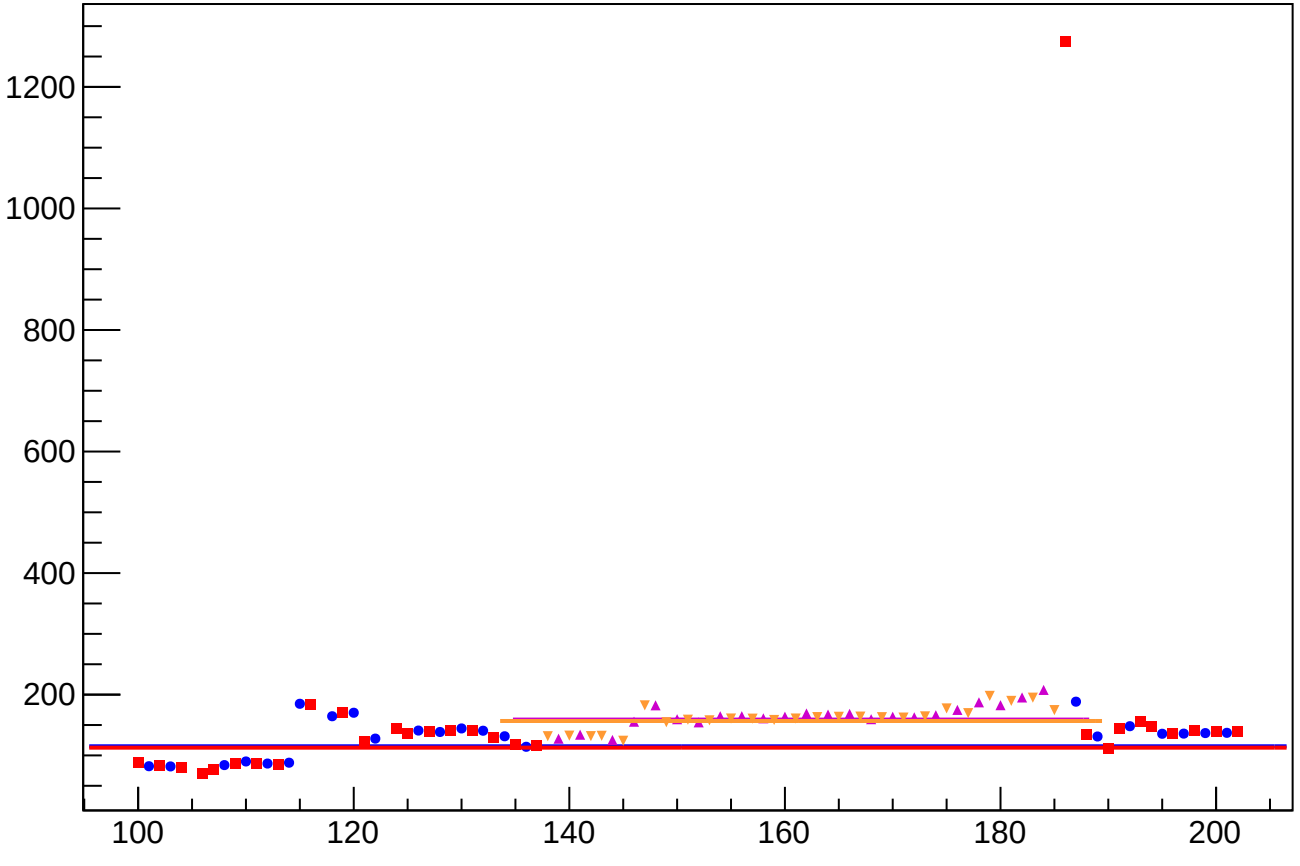
Right: 59.706+/-22.831 χ^2/NDF: 49.5/51

In: 107.447+/-25.060 χ^2/NDF:56.2/45

Out: 124.383+/-23.454 χ^2/NDF:64.9/53

All: 116.475+/-17.124 χ^2/NDF: 121.4/99

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.035+/-0.024 χ^2/NDF: 1394394.5/22

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 112.756+/-0.022 χ^2/NDF: 2493646.8/28

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

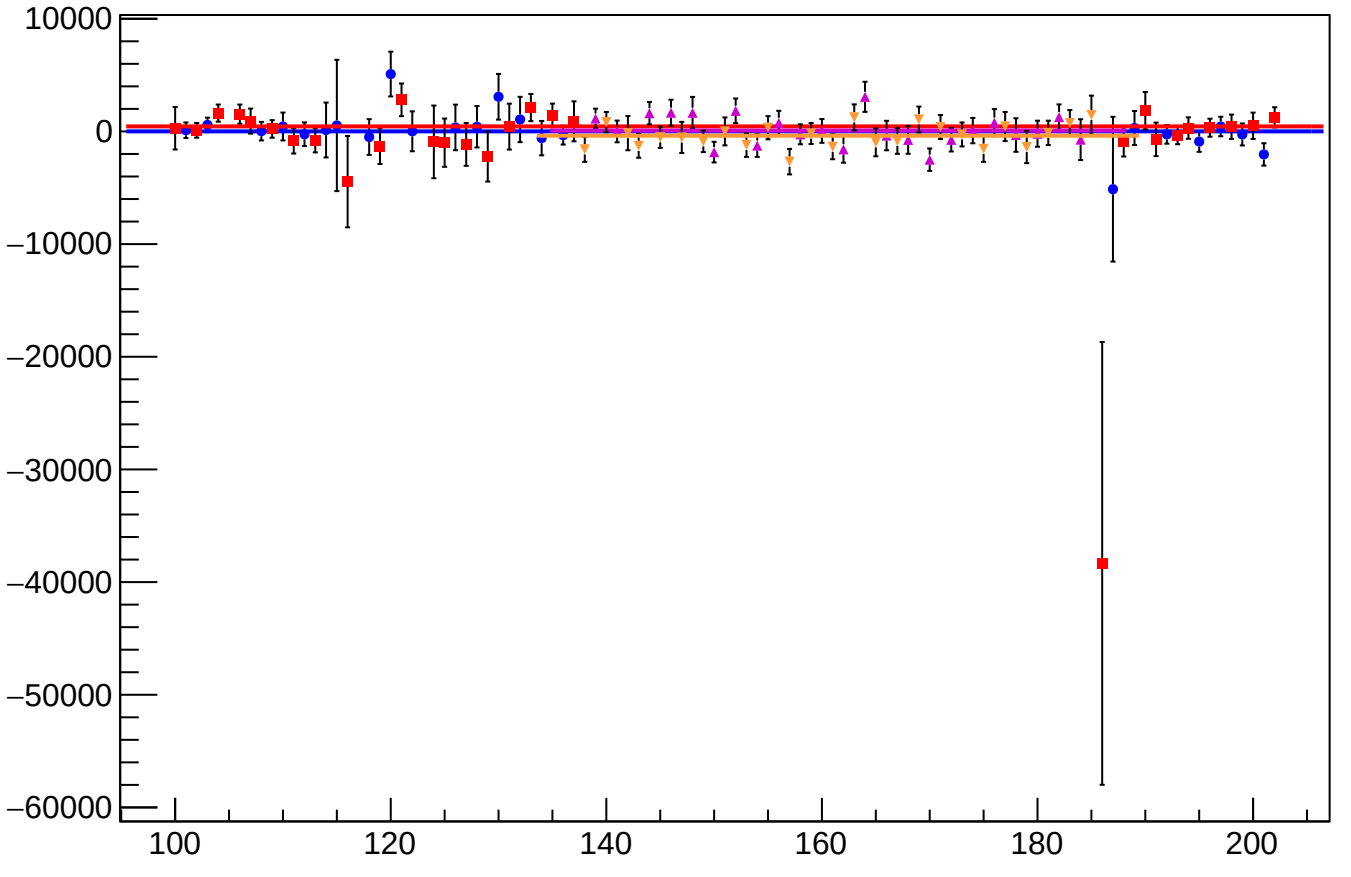
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 113.798+/-0.016 χ^2/NDF: 3892987.4/51

In: 134.747+/-0.018 χ^2/NDF:3425167.7/45

Out: 131.510+/-0.017 χ^2/NDF:4789329.9/53

All: 133.021+/-0.012 χ^2/NDF: 8232292.0/99



Right In: 6.269+/-234.798 χ^2/NDF: 17.0/22

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 446.421+/-212.190 χ^2/NDF: 26.3/28

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

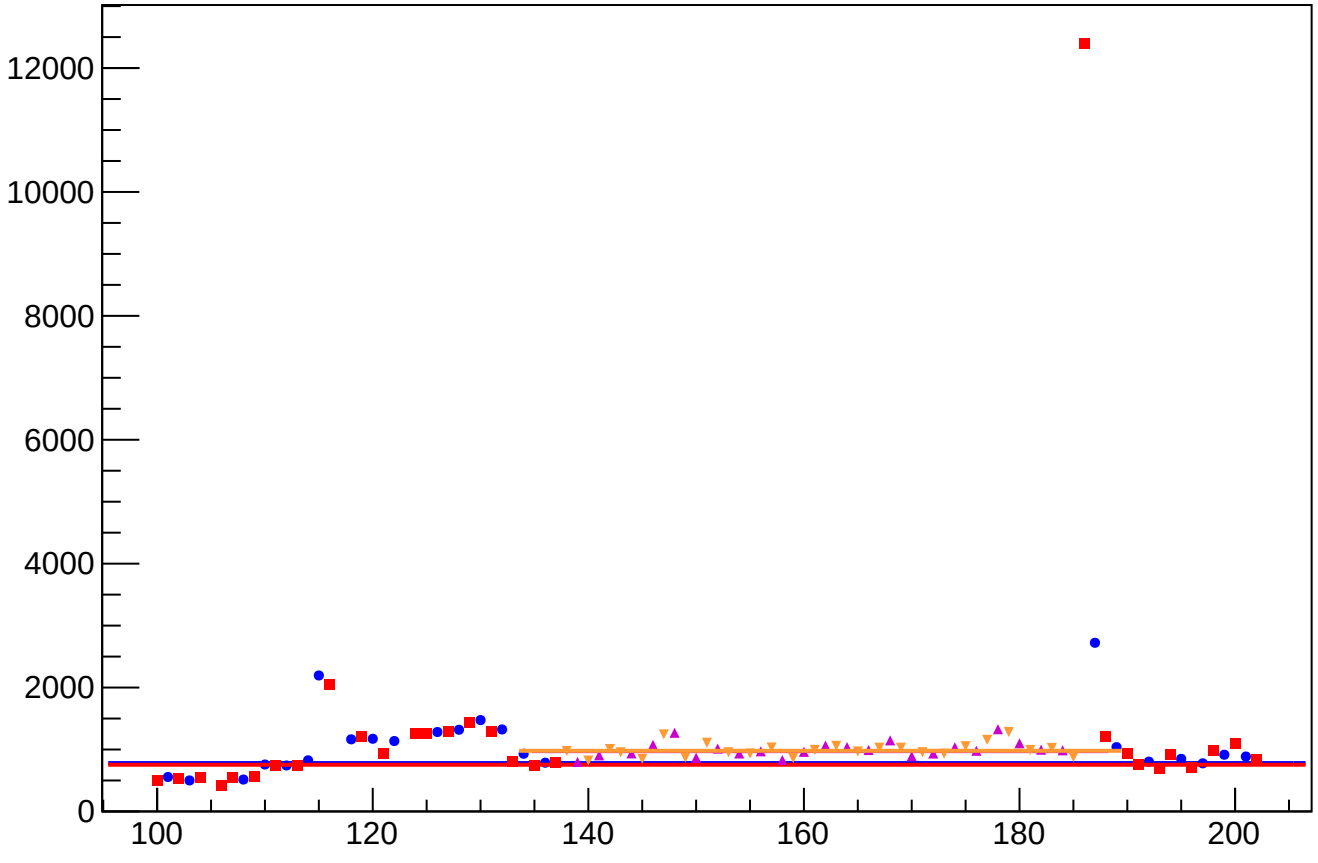
Right: 248.550+/-157.429 χ^2/NDF: 45.2/51

In: 41.089+/-164.227 χ^2/NDF:50.1/45

Out: 56.266+/-154.227 χ^2/NDF:52.2/53

All: 49.154+/-112.424 χ^2/NDF: 102.3/99

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 780.882+/-0.166 χ^2/NDF: 2205805.6/22

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 753.888+/-0.150 χ^2/NDF: 3321756.7/28

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

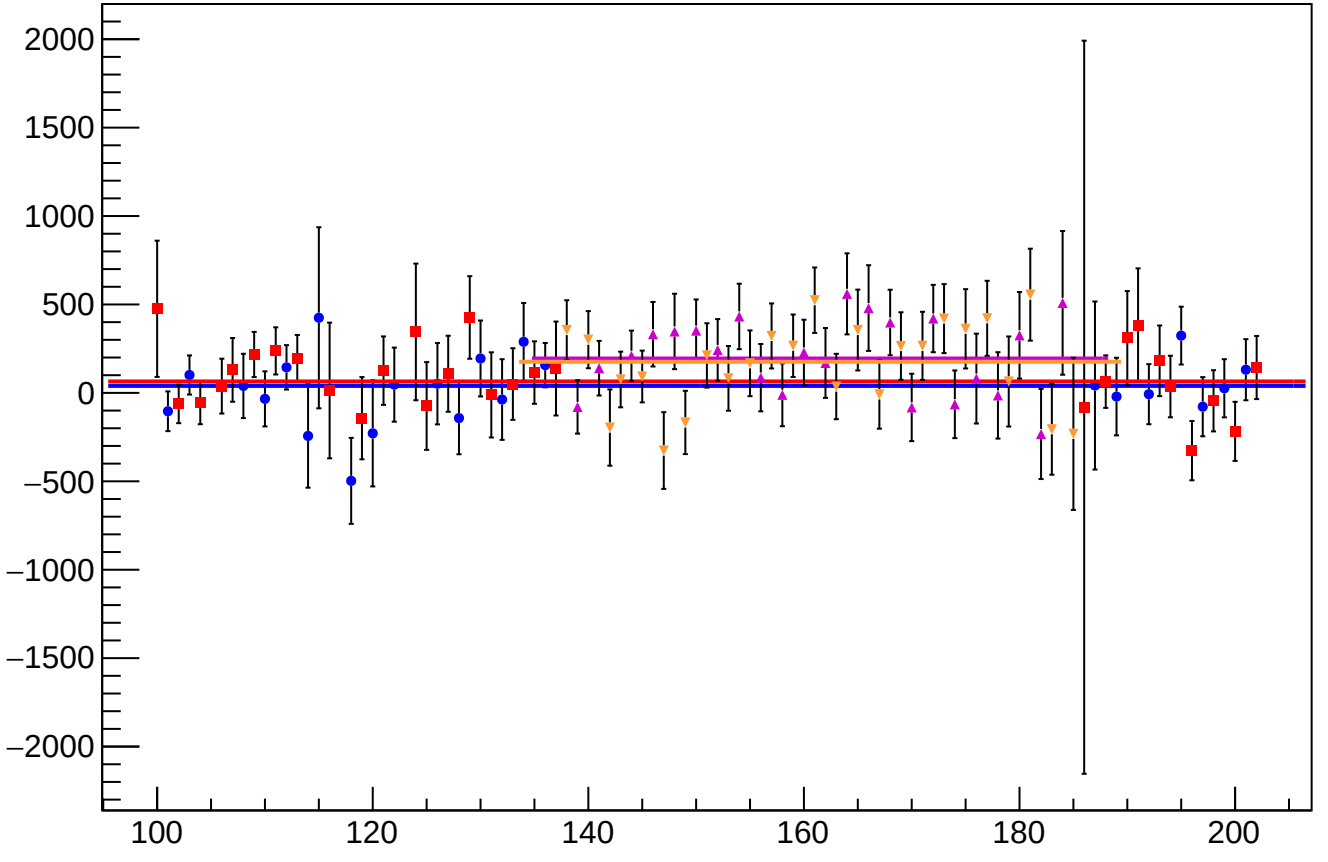
Right: 766.023+/-0.111 χ^2/NDF: 5542113.5/51

In: 879.430+/-0.116 χ^2/NDF:3394188.5/45

Out: 860.129+/-0.109 χ^2/NDF:4814437.2/53

All: 869.174+/-0.079 χ^2/NDF: 8223304.6/99

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 39.608+/-36.928 χ^2/NDF: 17.6/22

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 64.758+/-33.856 χ^2/NDF: 23.3/28

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

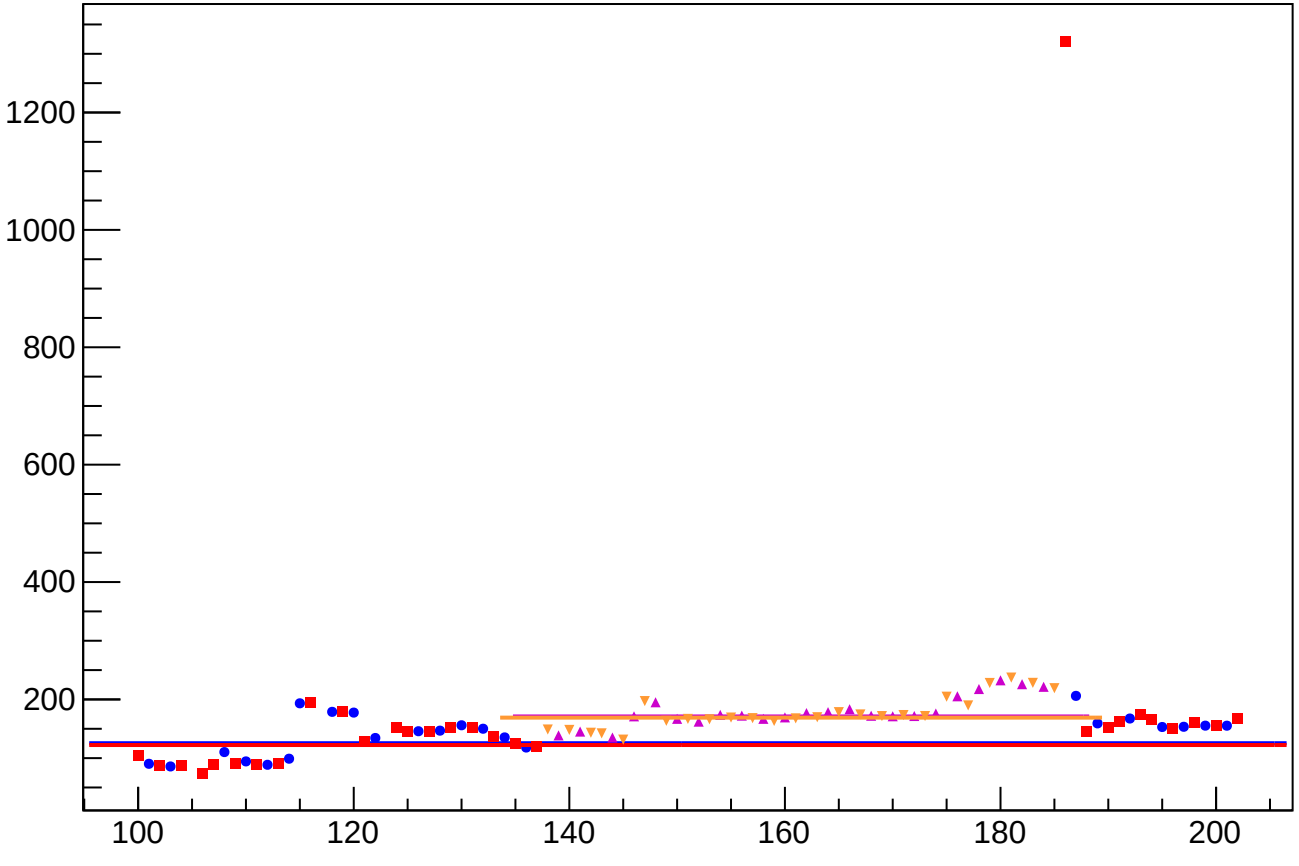
Right: 53.272+/-24.956 χ^2/NDF: 41.1/51

In: 110.065+/-27.252 χ^2/NDF:49.4/45

Out: 112.796+/-25.521 χ^2/NDF:58.7/53

All: 111.520+/-18.628 χ^2/NDF: 108.1/99

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 125.403+/-0.026 χ^2/NDF: 1506371.3/22

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 122.339+/-0.024 χ^2/NDF: 2728482.5/28

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

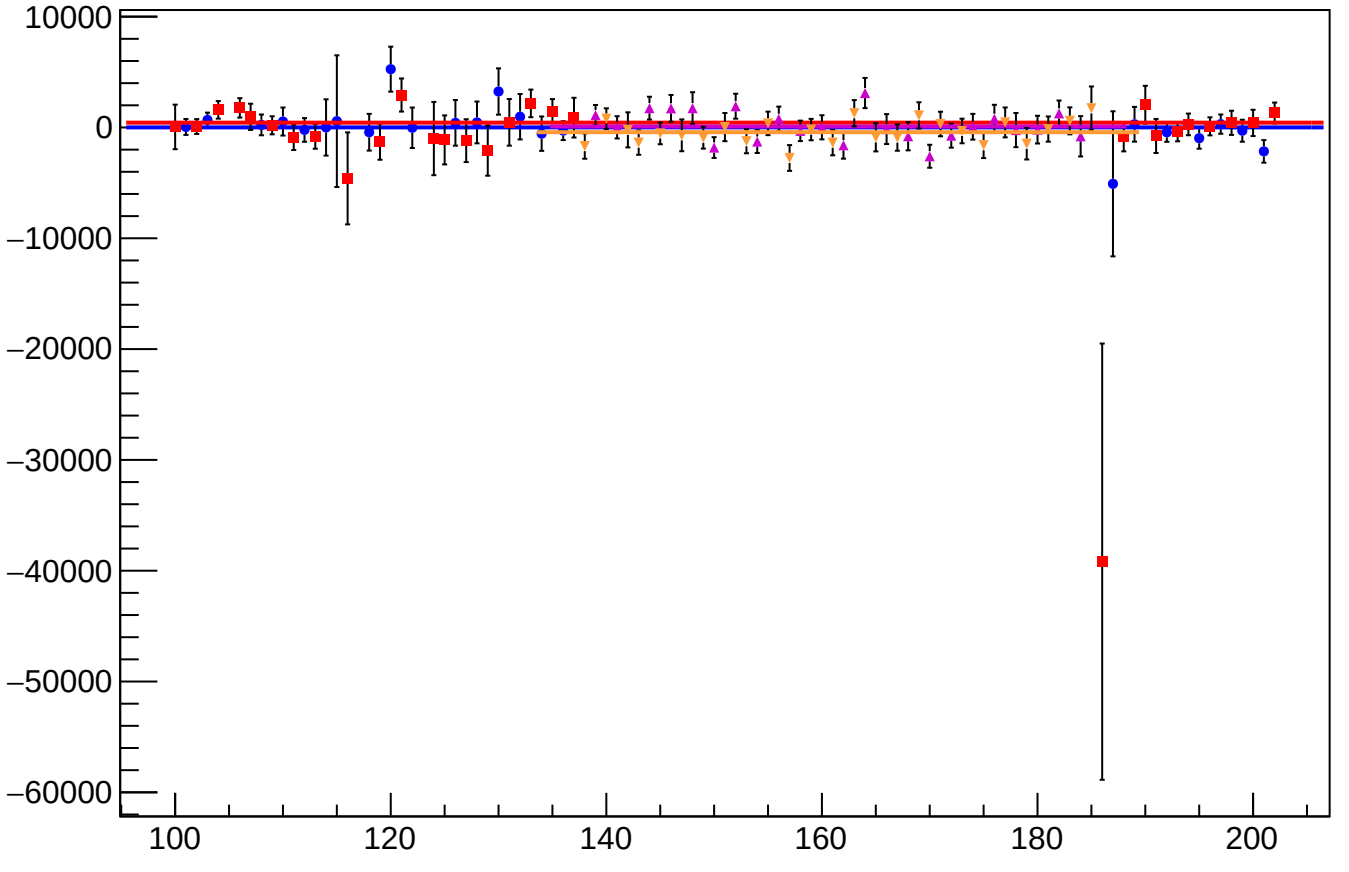
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 123.738+/-0.018 χ^2/NDF: 4242333.8/51

In: 146.177+/-0.019 χ^2/NDF:3574338.3/45

Out: 142.491+/-0.018 χ^2/NDF:5143405.3/53

All: 144.213+/-0.013 χ^2/NDF: 8737238.2/99



Right In: 7.162+/-243.162 χ^2/NDF: 17.7/22

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 435.675+/-219.208 χ^2/NDF: 27.1/28

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

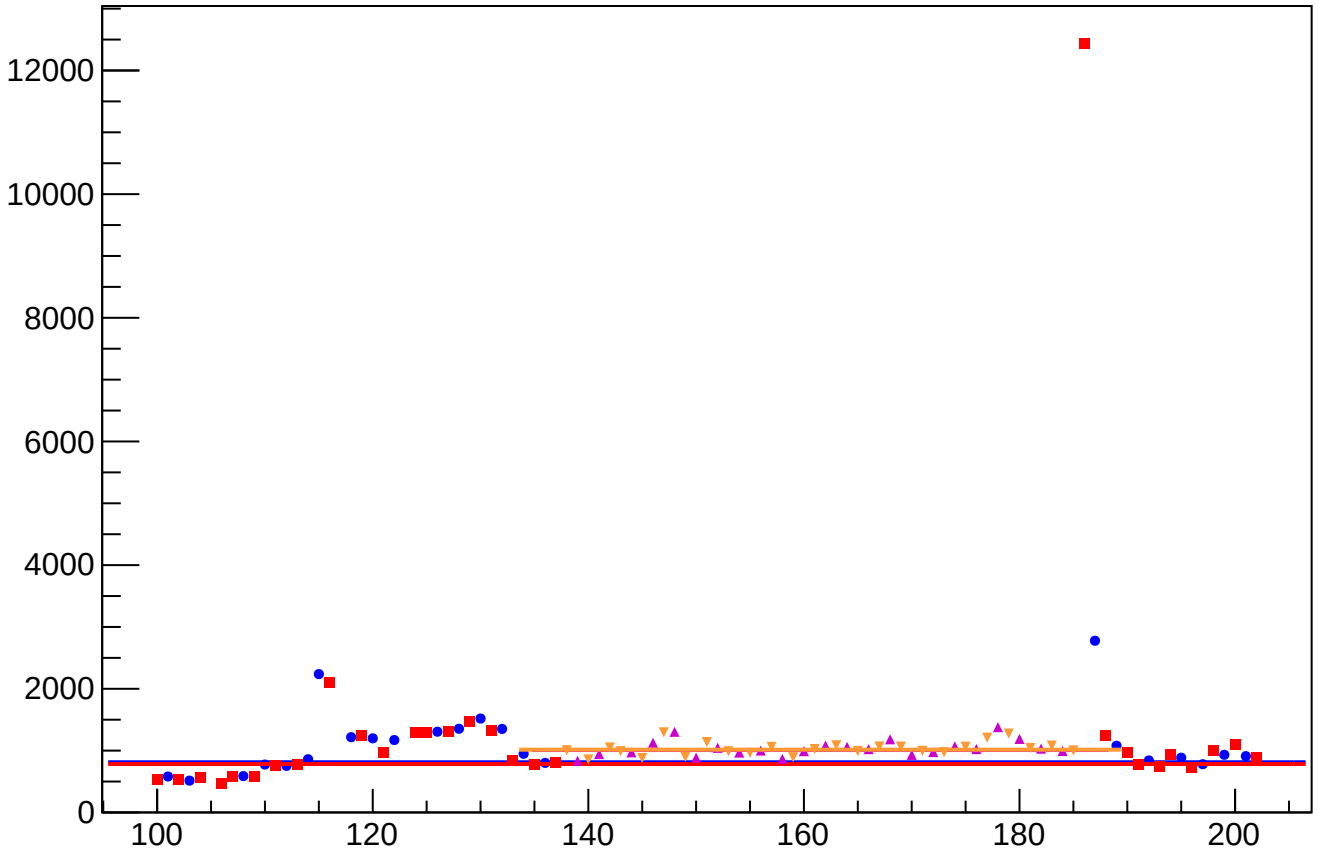
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 243.560+/-162.815 χ^2/NDF: 46.5/51

In: 47.649+/-170.144 χ^2/NDF:50.2/45

Out: 30.369+/-159.515 χ^2/NDF:52.7/53

All: 38.453+/-116.370 χ^2/NDF: 102.9/99



Right In: 811.660+/-0.172 χ^2/NDF: 2082056.5/22

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 783.063+/-0.155 χ^2/NDF: 3175244.0/28

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

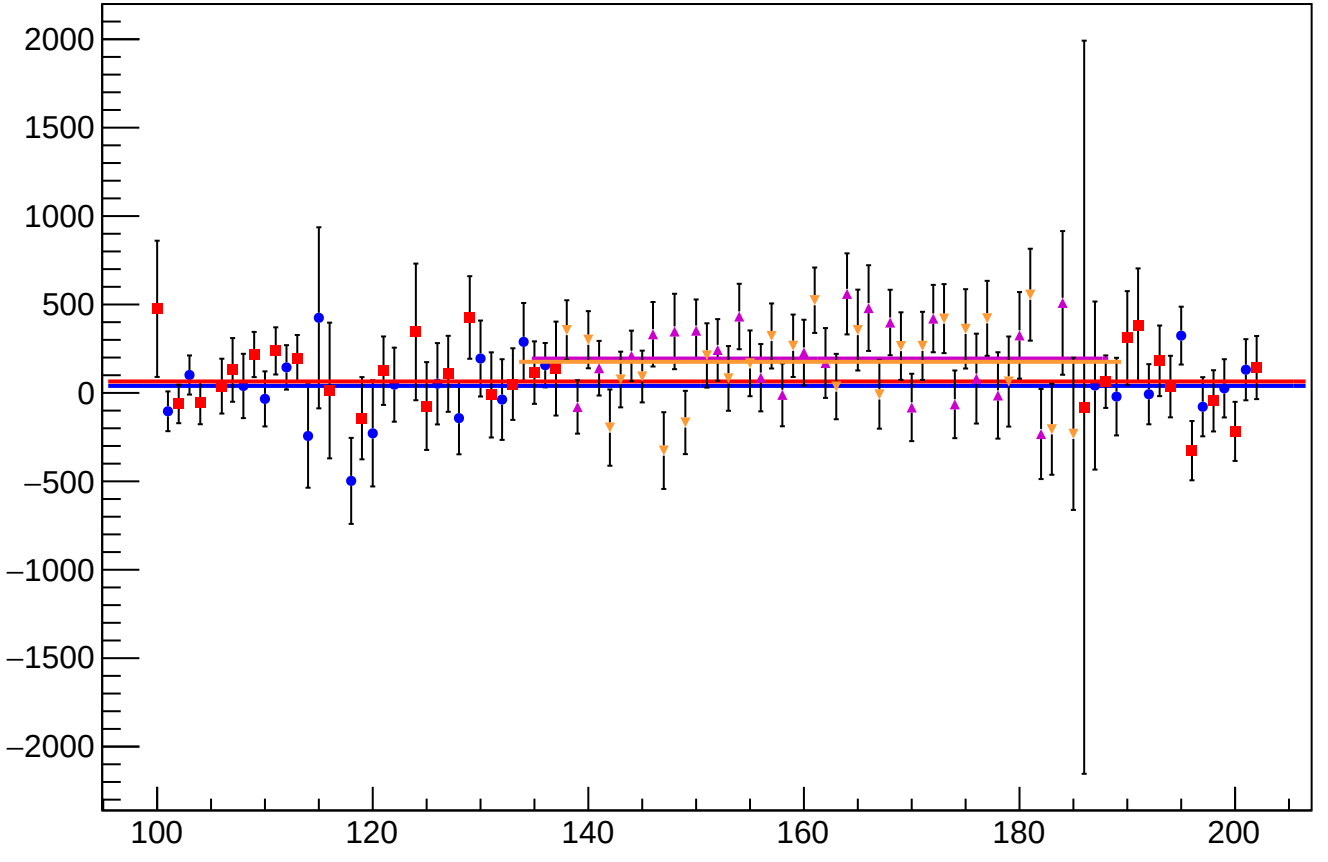
Right: 795.884+/-0.115 χ^2/NDF: 5272560.6/51

In: 912.726+/-0.120 χ^2/NDF:3257756.0/45

Out: 892.204+/-0.113 χ^2/NDF:4627020.8/53

All: 901.804+/-0.082 χ^2/NDF: 7900262.2/99

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 39.608+/-36.928 χ^2/NDF: 17.6/22

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 64.758+/-33.856 χ^2/NDF: 23.3/28

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

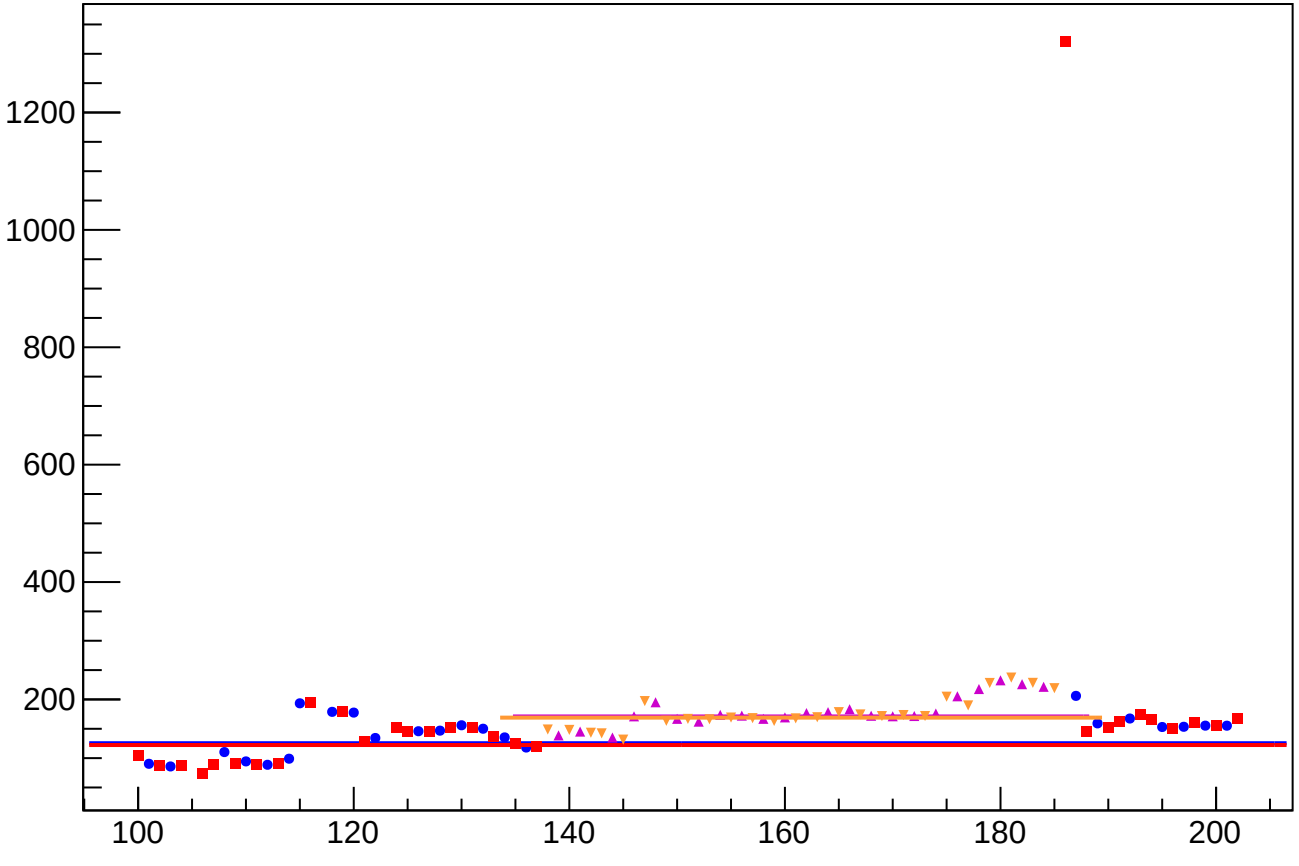
Right: 53.272+/-24.955 χ^2/NDF: 41.1/51

In: 110.065+/-27.252 χ^2/NDF:49.4/45

Out: 112.797+/-25.521 χ^2/NDF:58.7/53

All: 111.520+/-18.628 χ^2/NDF: 108.1/99

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 125.403+/-0.026 χ^2/NDF: 1506378.0/22

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 122.339+/-0.024 χ^2/NDF: 2728488.1/28

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

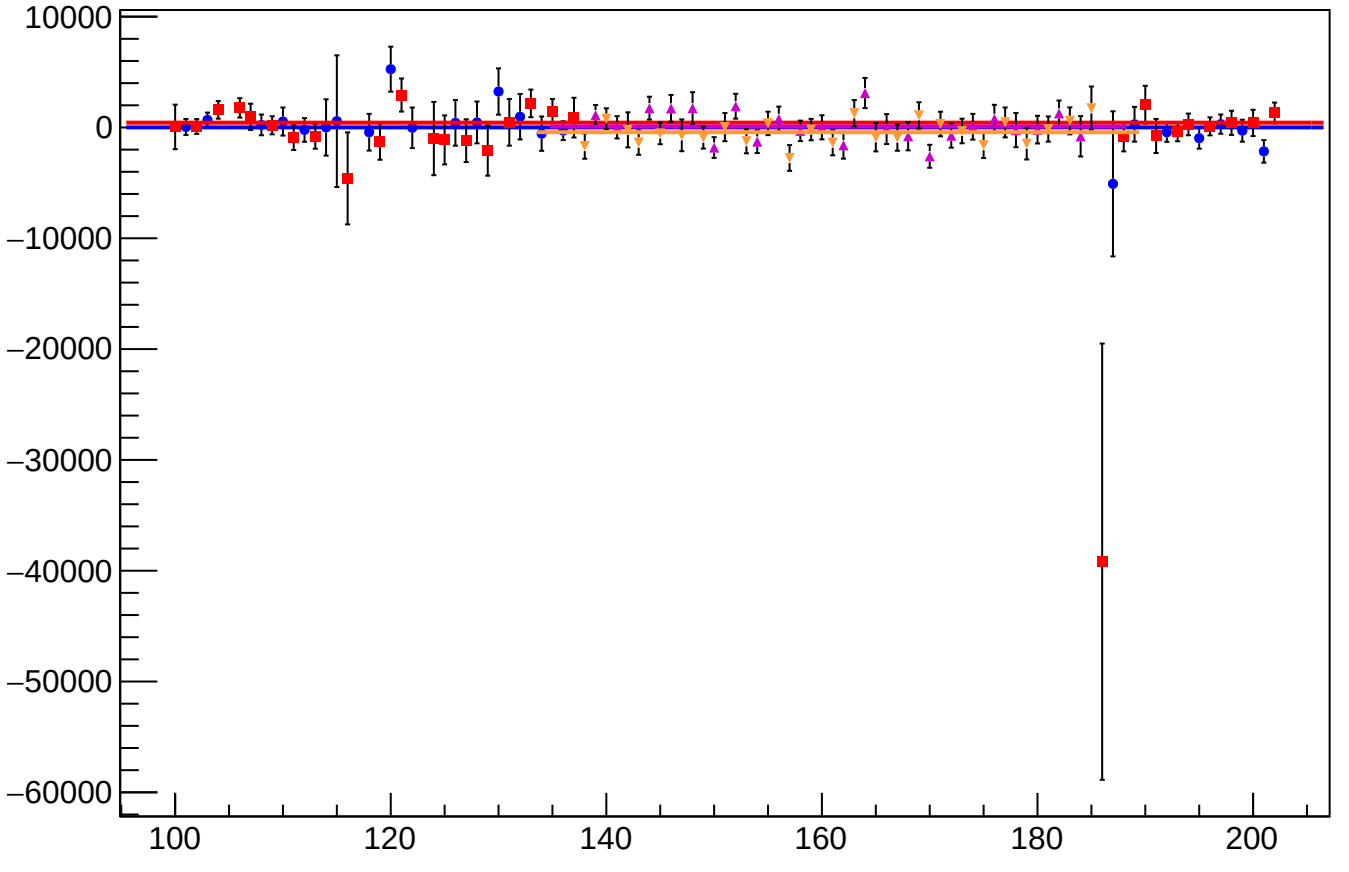
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 123.738+/-0.018 χ^2/NDF: 4242345.6/51

In: 146.177+/-0.019 χ^2/NDF:3574367.3/45

Out: 142.491+/-0.018 χ^2/NDF:5143418.1/53

All: 144.213+/-0.013 χ^2/NDF: 8737279.9/99



Right In: 7.163+/-243.162 χ^2/NDF: 17.7/22

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 435.675+/-219.208 χ^2/NDF: 27.1/28

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

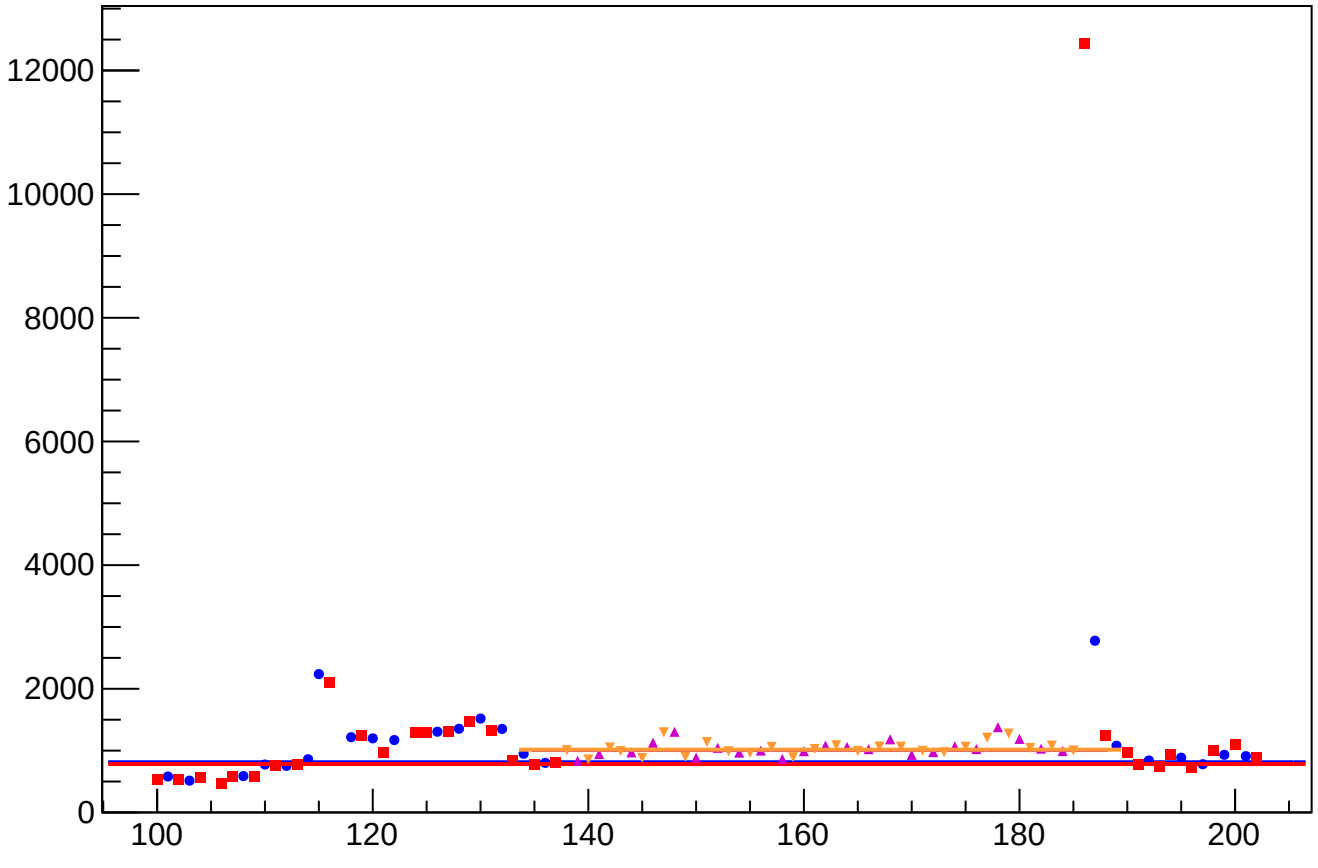
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 243.560+/-162.815 χ^2/NDF: 46.5/51

In: 47.650+/-170.144 χ^2/NDF:50.2/45

Out: 30.370+/-159.515 χ^2/NDF:52.7/53

All: 38.453+/-116.370 χ^2/NDF: 102.9/99



Right In: 811.659+/-0.172 χ^2/NDF: 2082058.7/22

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 783.062+/-0.155 χ^2/NDF: 3175252.2/28

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

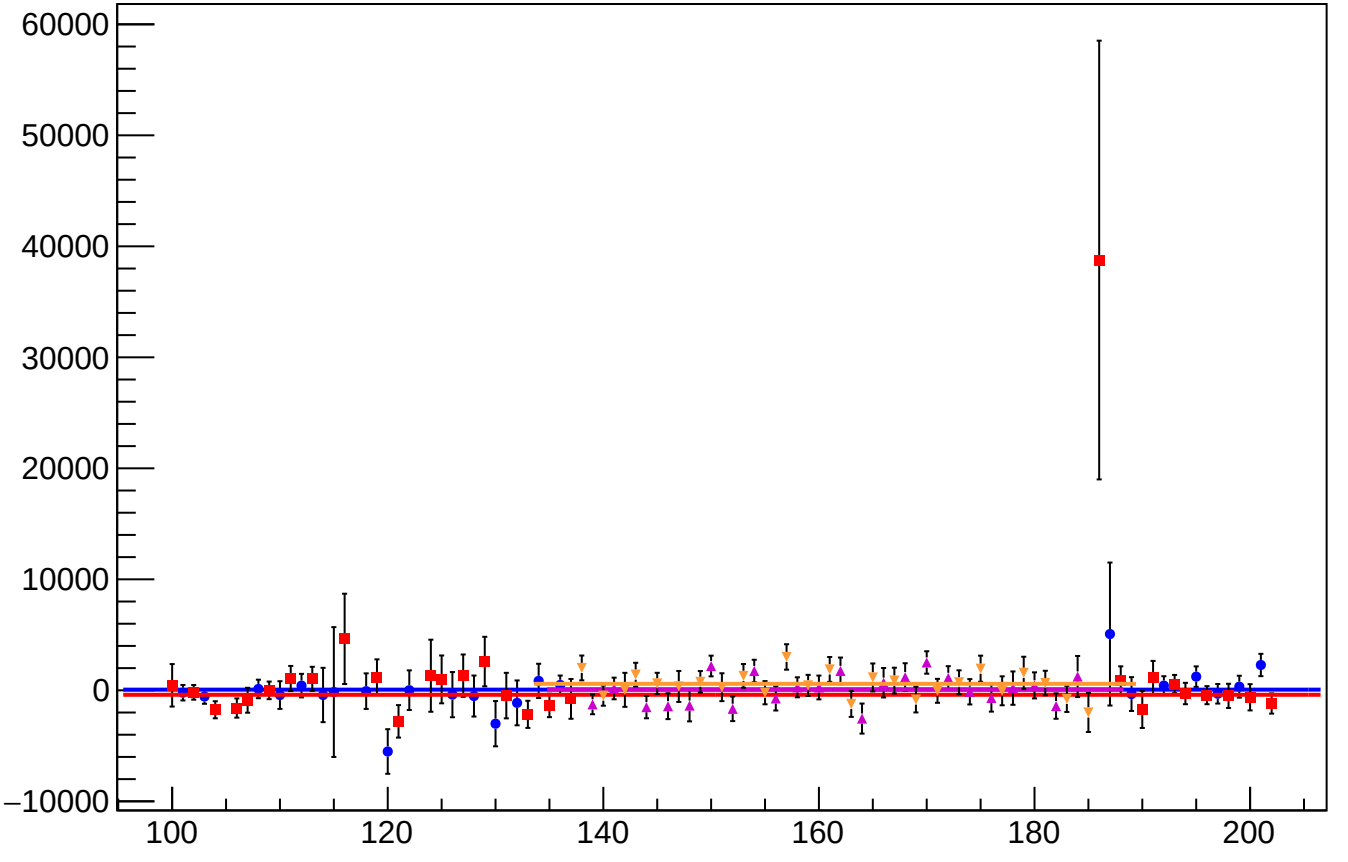
Right: 795.883+/-0.115 χ^2/NDF: 5272570.7/51

In: 912.726+/-0.120 χ^2/NDF:3257770.9/45

Out: 892.204+/-0.113 χ^2/NDF:4627039.9/53

All: 901.804+/-0.082 χ^2/NDF: 7900296.2/99

asym_sam5_mean vs Slug, Sign Corrected



Right In: 61.152+/-237.660 χ^2/NDF: 20.0/22

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -400.807+/-214.931 χ^2/NDF: 29.3/28

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

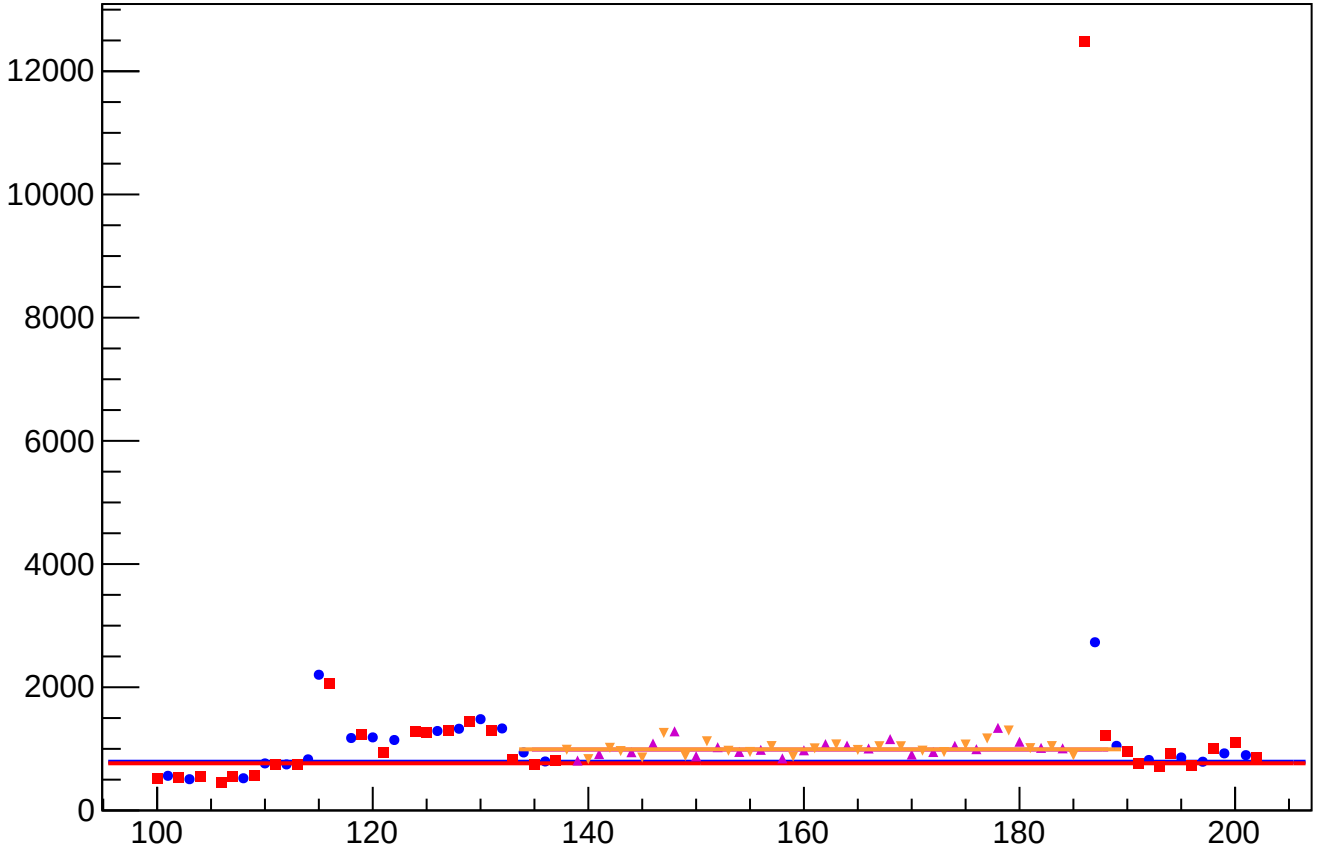
Right: -192.969+/-159.411 χ^2/NDF: 51.4/51

In: 77.230+/-166.386 χ^2/NDF:54.5/45

Out: 64.489+/-156.261 χ^2/NDF:60.0/53

All: 70.460+/-113.905 χ^2/NDF: 114.6/99

asym_sam5_rms vs Slug, Sign Corrected



Right In: 790.953+/-0.168 χ^2/NDF: 2183501.4/22

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 765.560+/-0.152 χ^2/NDF: 3256851.6/28

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

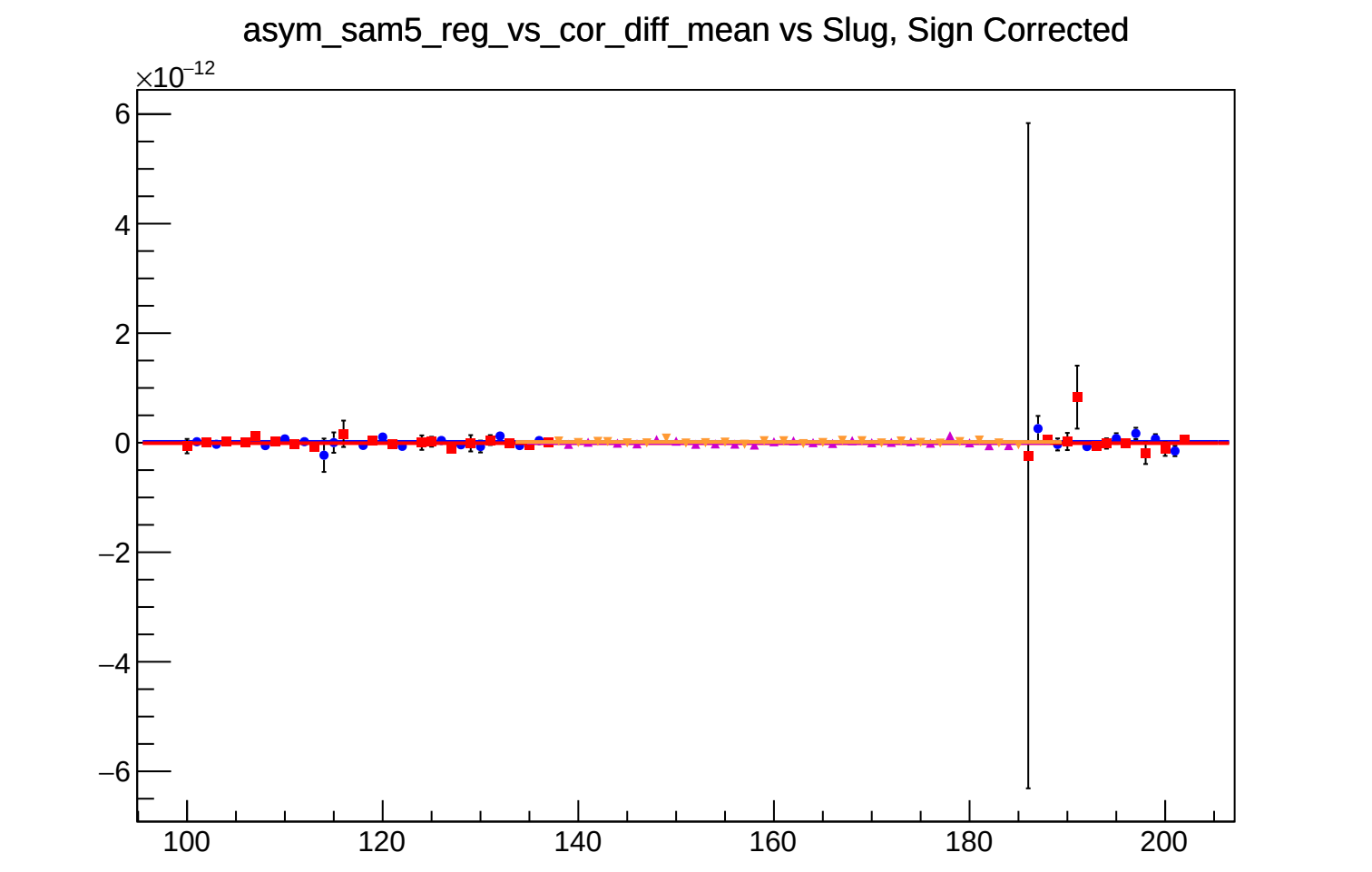
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 776.984+/-0.113 χ^2/NDF: 5452913.1/51

In: 891.309+/-0.118 χ^2/NDF:3370682.1/45

Out: 872.569+/-0.110 χ^2/NDF:4733370.3/53

All: 881.351+/-0.081 χ^2/NDF: 8117533.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/28

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

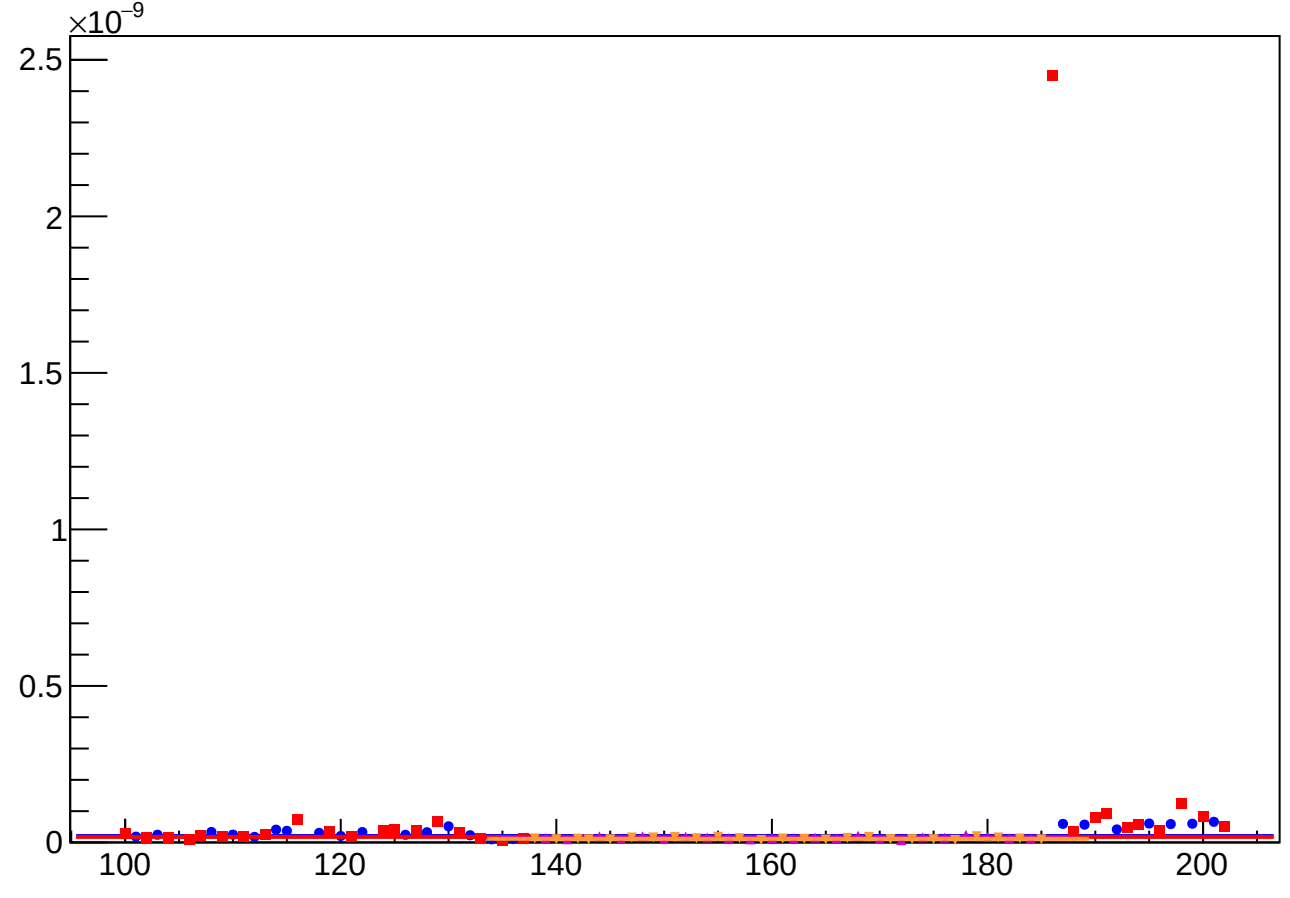
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.2/51

In: 0.000+/-0.000 χ^2/NDF:57.3/45

Out: 0.000+/-0.000 χ^2/NDF:48.3/53

All: 0.000+/-0.000 χ^2/NDF: 107.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 3258222.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5157493.3/28

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

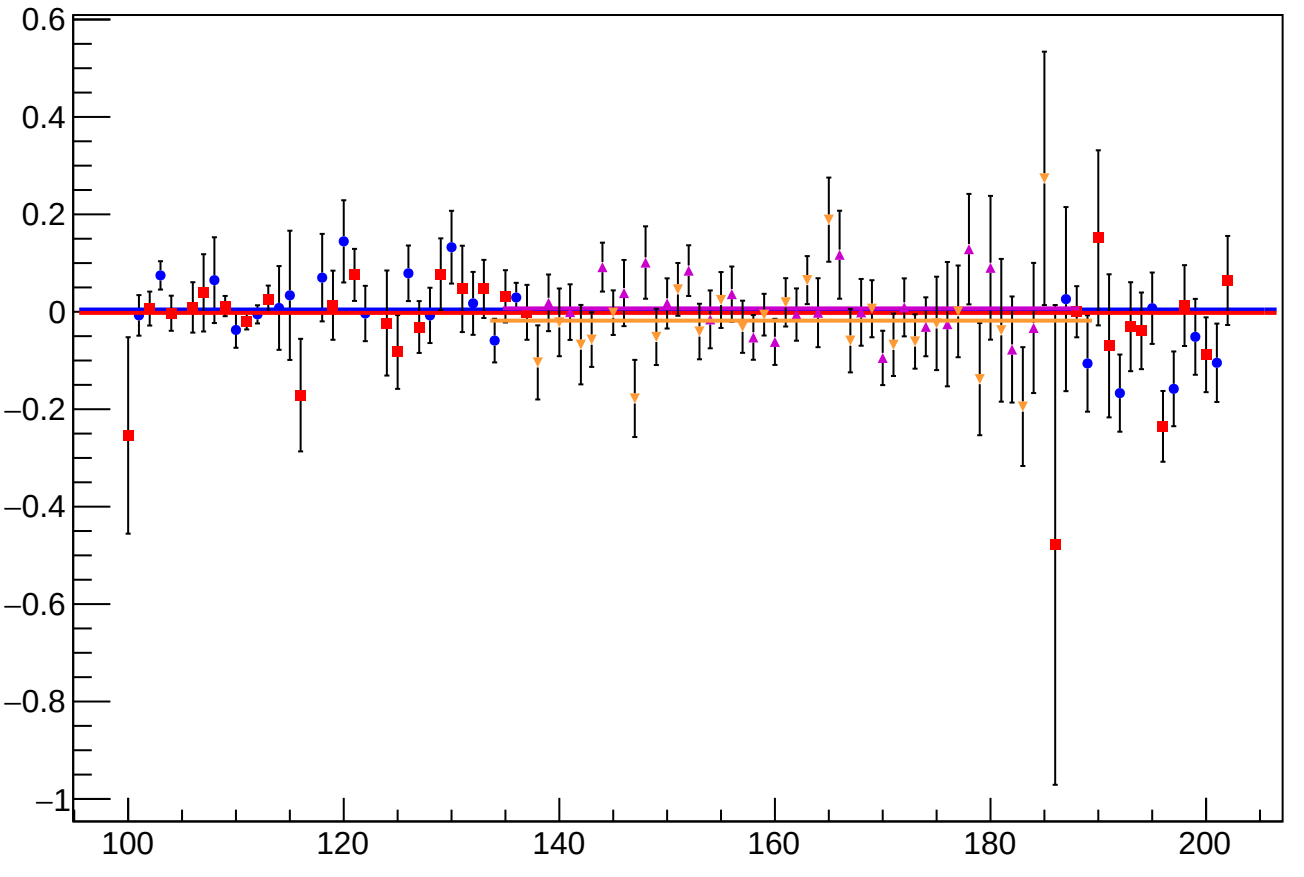
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8500921.4/51

In: 0.000+/-0.000 χ^2/NDF:4873751.2/45

Out: 0.000+/-0.000 χ^2/NDF:6639963.8/53

All: 0.000+/-0.000 χ^2/NDF: 11708869.9/99



Right In: 0.005+/-0.010 χ^2/NDF: 31.5/22

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 27.0/28

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

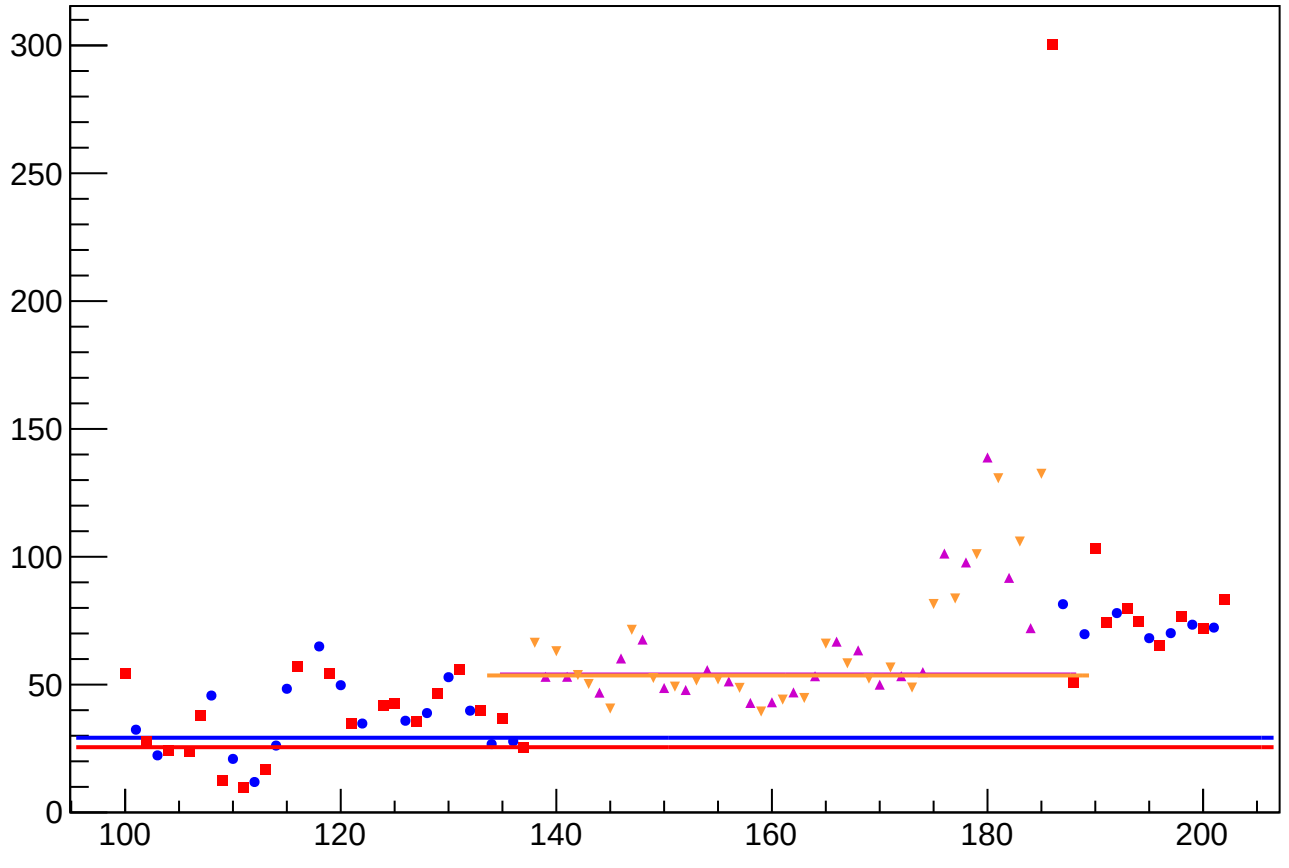
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 58.8/51

In: 0.006+/-0.008 χ^2/NDF:50.3/45

Out: -0.007+/-0.007 χ^2/NDF:52.4/53

All: -0.002+/-0.005 χ^2/NDF: 104.1/99



Right In: 29.220+/-0.007 χ^2/NDF: 6468400.2/22

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 25.524+/-0.006 χ^2/NDF: 10239081.4/28

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

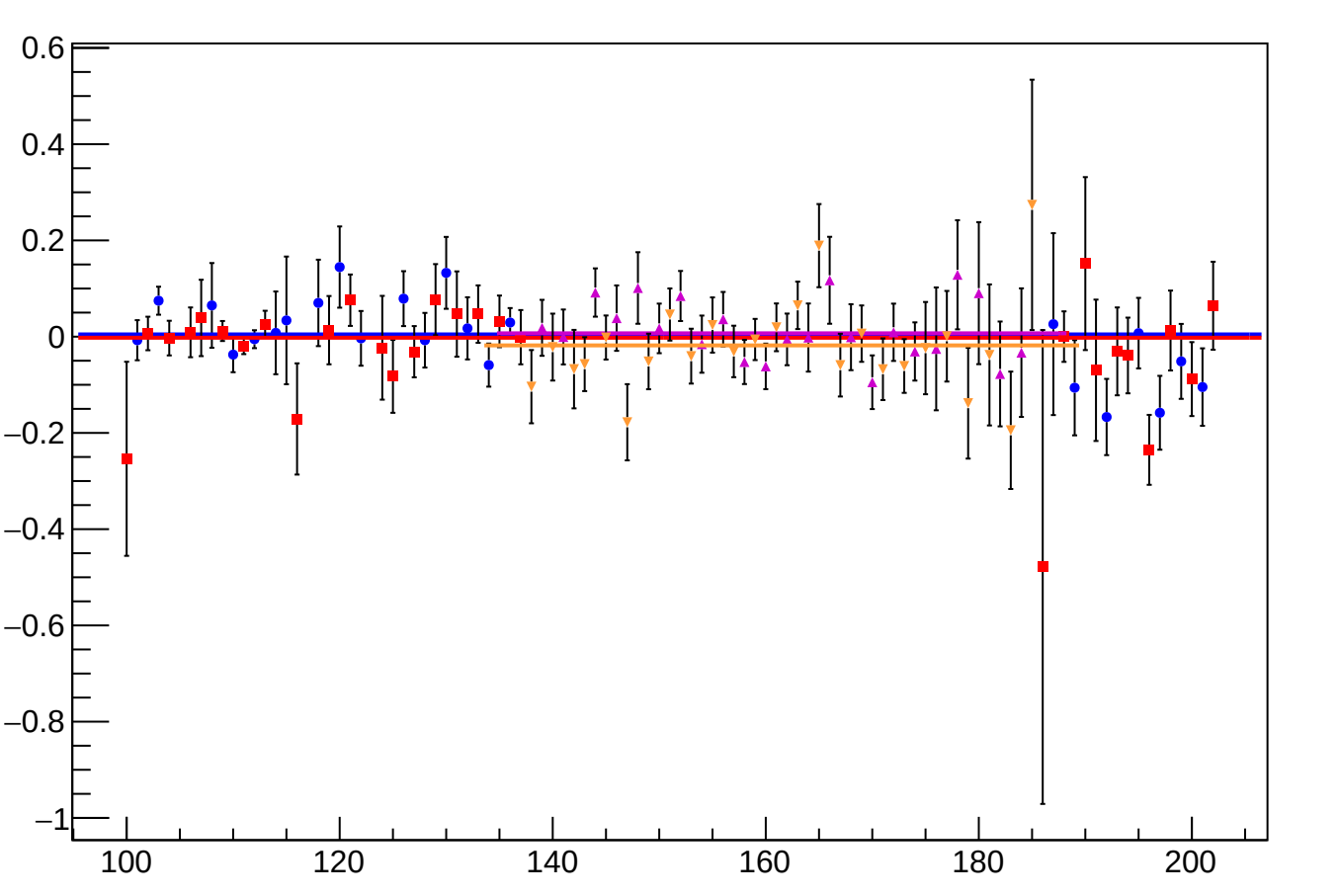
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 27.114+/-0.005 χ^2/NDF: 16861363.4/51

In: 38.313+/-0.006 χ^2/NDF:12956398.5/45

Out: 34.442+/-0.005 χ^2/NDF:19436188.3/53

All: 36.180+/-0.004 χ^2/NDF: 32650806.2/99



Right In: 0.005+/-0.010 χ^2/NDF: 31.5/22

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 27.0/28

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

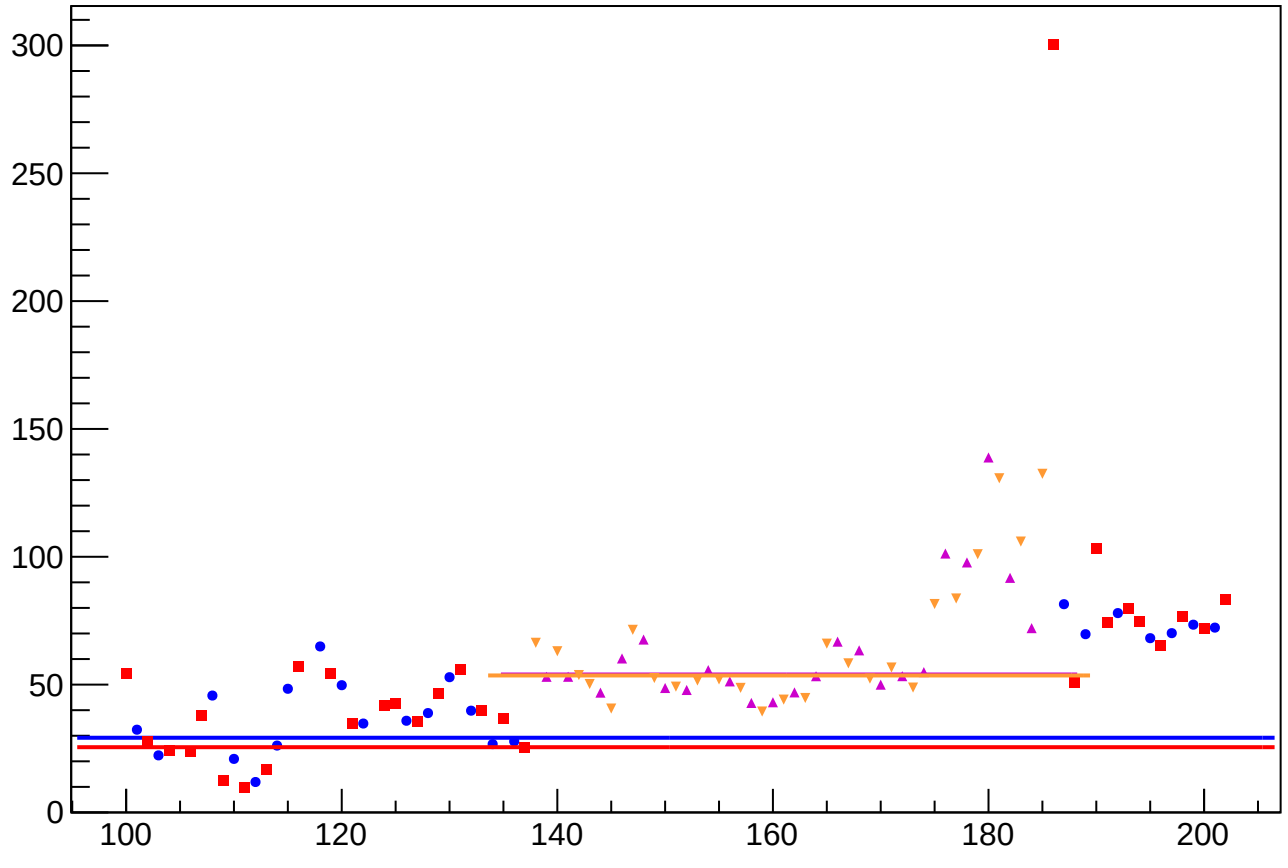
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 58.8/51

In: 0.006+/-0.008 χ^2/NDF:50.3/45

Out: -0.007+/-0.007 χ^2/NDF:52.4/53

All: -0.002+/-0.005 χ^2/NDF: 104.1/99



Right In: 29.220+/-0.007 χ^2/NDF: 6468400.2/22

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 25.524+/-0.006 χ^2/NDF: 10239081.4/28

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

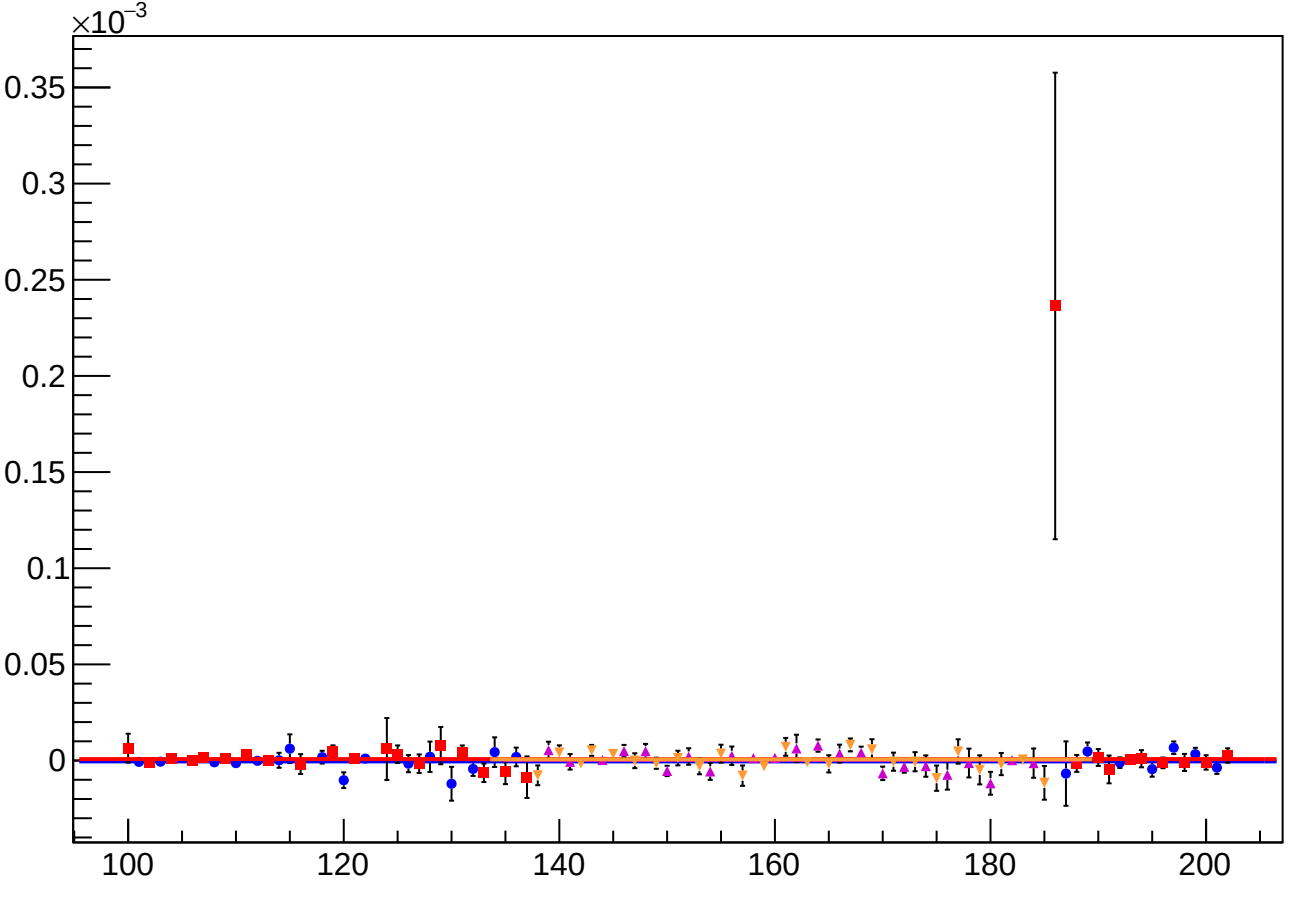
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 27.114+/-0.005 χ^2/NDF: 16861363.4/51

In: 38.313+/-0.006 χ^2/NDF:12956398.5/45

Out: 34.442+/-0.005 χ^2/NDF:19436188.3/53

All: 36.180+/-0.004 χ^2/NDF: 32650806.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/28

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

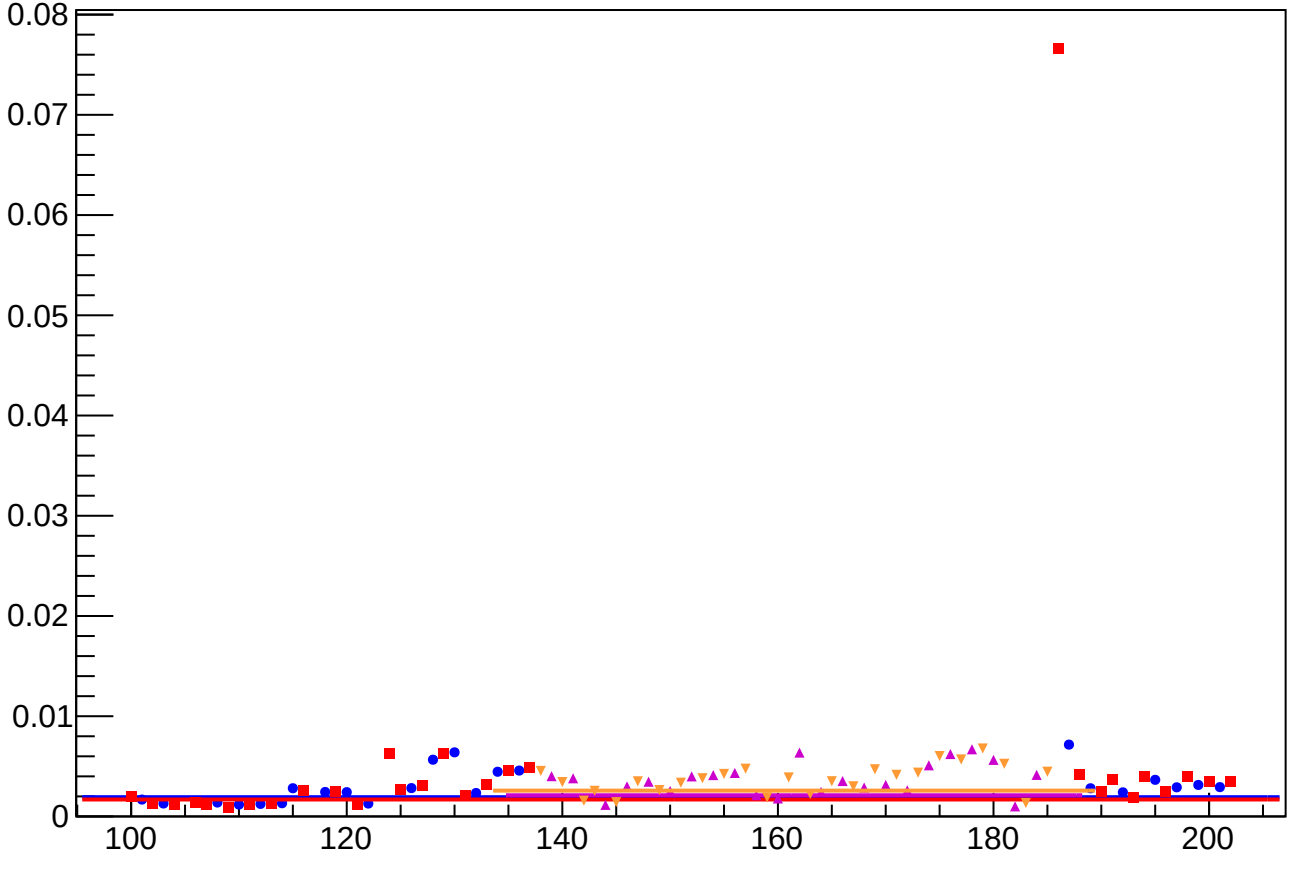
Right: 0.000+/-0.000 χ^2/NDF: 40.6/51

In: -0.000+/-0.000 χ^2/NDF:52.6/45

Out: 0.000+/-0.000 χ^2/NDF:48.7/53

All: 0.000+/-0.000 χ^2/NDF: 102.7/99

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4575666.4/22

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7209786.4/28

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

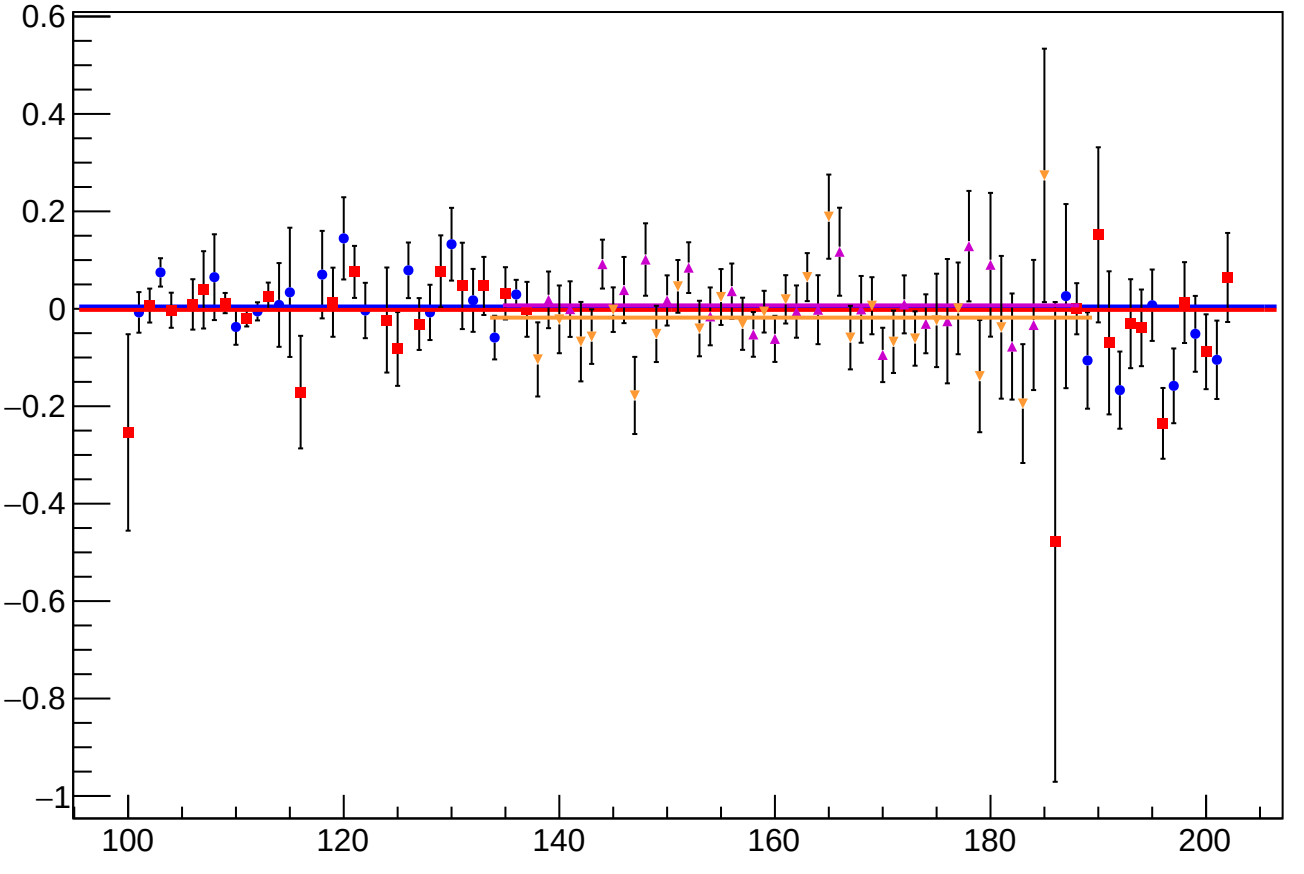
Right: 0.002+/-0.000 χ^2/NDF: 11942067.3/51

In: 0.002+/-0.000 χ^2/NDF:14163419.9/45

Out: 0.002+/-0.000 χ^2/NDF:16504166.8/53

All: 0.002+/-0.000 χ^2/NDF: 30668159.2/99

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.010 χ^2/NDF: 31.5/22

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 27.0/28

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

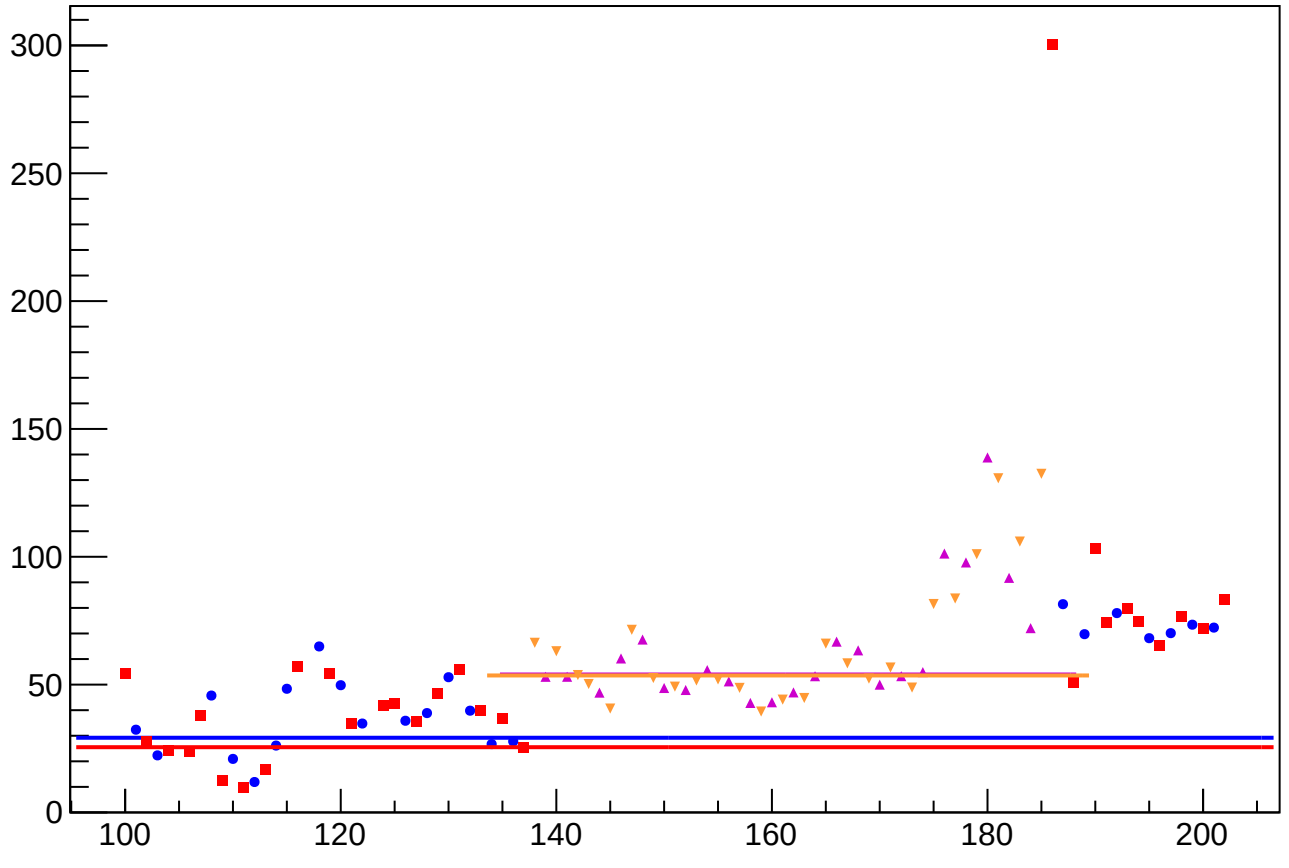
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 58.8/51

In: 0.006+/-0.008 χ^2/NDF:50.3/45

Out: -0.007+/-0.007 χ^2/NDF:52.4/53

All: -0.002+/-0.005 χ^2/NDF: 104.1/99



Right In: 29.219+/-0.007 χ^2/NDF: 6468459.3/22

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 25.524+/-0.006 χ^2/NDF: 10239240.9/28

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

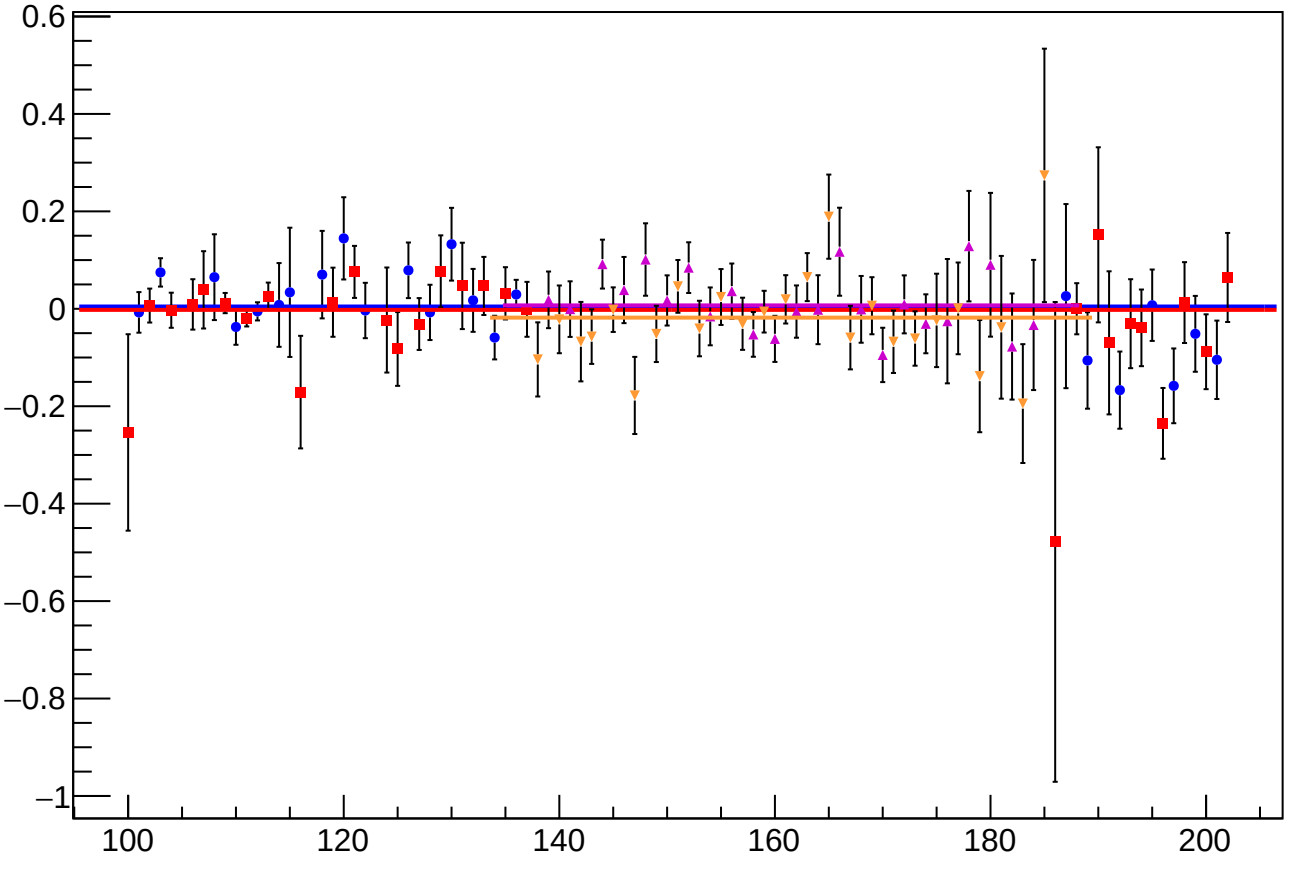
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 27.113+/-0.005 χ^2/NDF: 16861591.9/51

In: 38.313+/-0.006 χ^2/NDF:12956865.0/45

Out: 34.442+/-0.005 χ^2/NDF:19436873.1/53

All: 36.179+/-0.004 χ^2/NDF: 32651975.9/99



Right In: 0.005+/-0.010 χ^2/NDF: 31.5/22

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 27.0/28

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

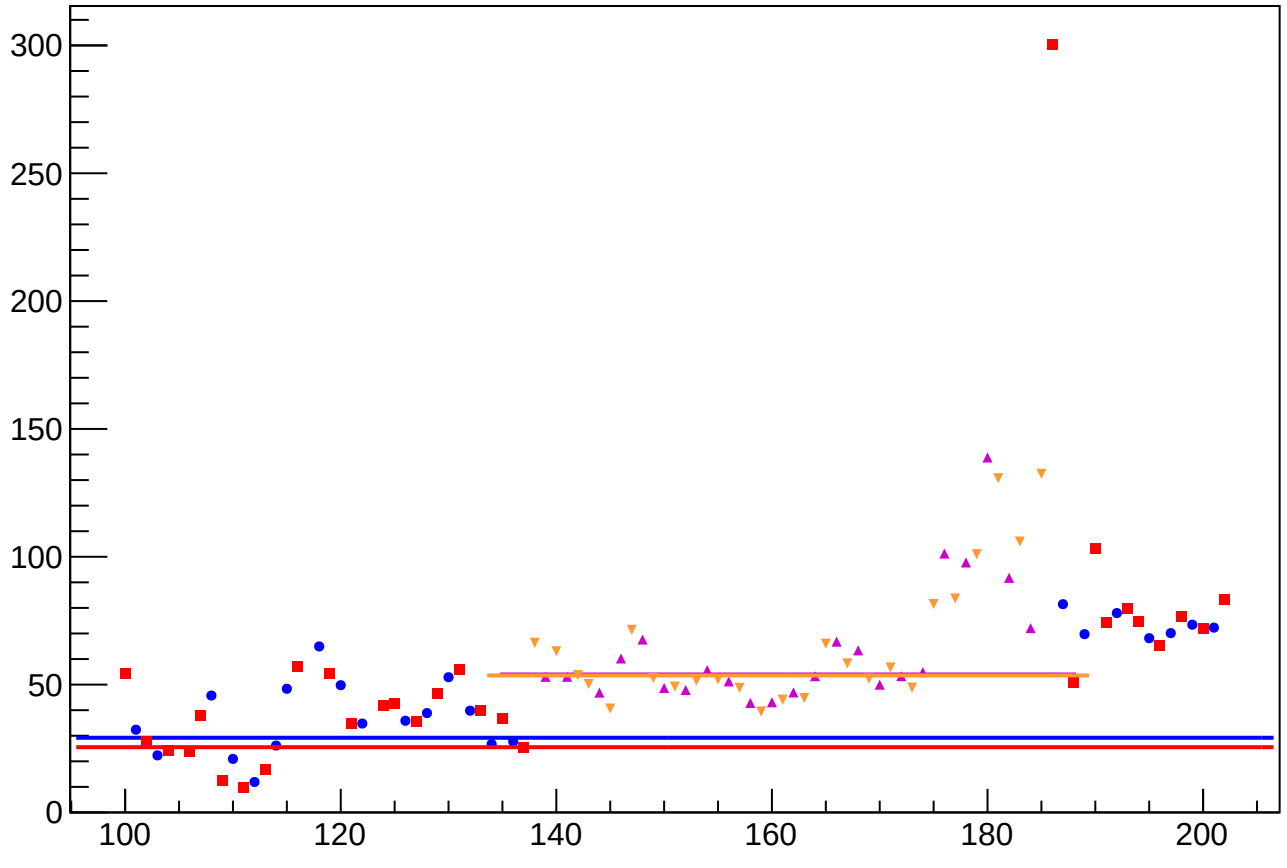
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 58.8/51

In: 0.006+/-0.008 χ^2/NDF:50.3/45

Out: -0.007+/-0.007 χ^2/NDF:52.4/53

All: -0.002+/-0.005 χ^2/NDF: 104.1/99



Right In: 29.219+/-0.007 χ^2/NDF: 6468459.3/22

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 25.524+/-0.006 χ^2/NDF: 10239240.9/28

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

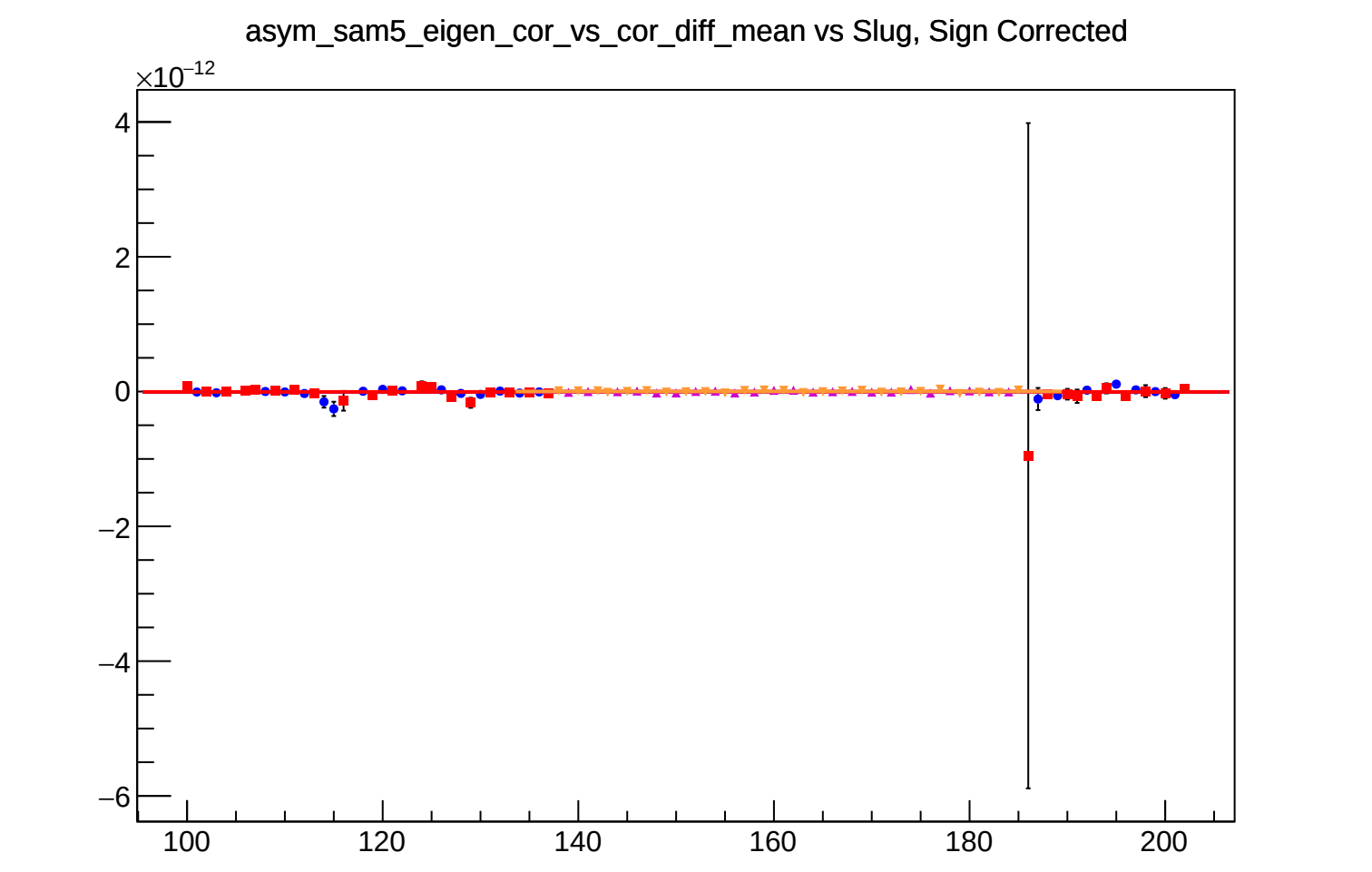
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 27.113+/-0.005 χ^2/NDF: 16861591.9/51

In: 38.313+/-0.006 χ^2/NDF:12956865.0/45

Out: 34.442+/-0.005 χ^2/NDF:19436873.1/53

All: 36.179+/-0.004 χ^2/NDF: 32651975.9/99



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

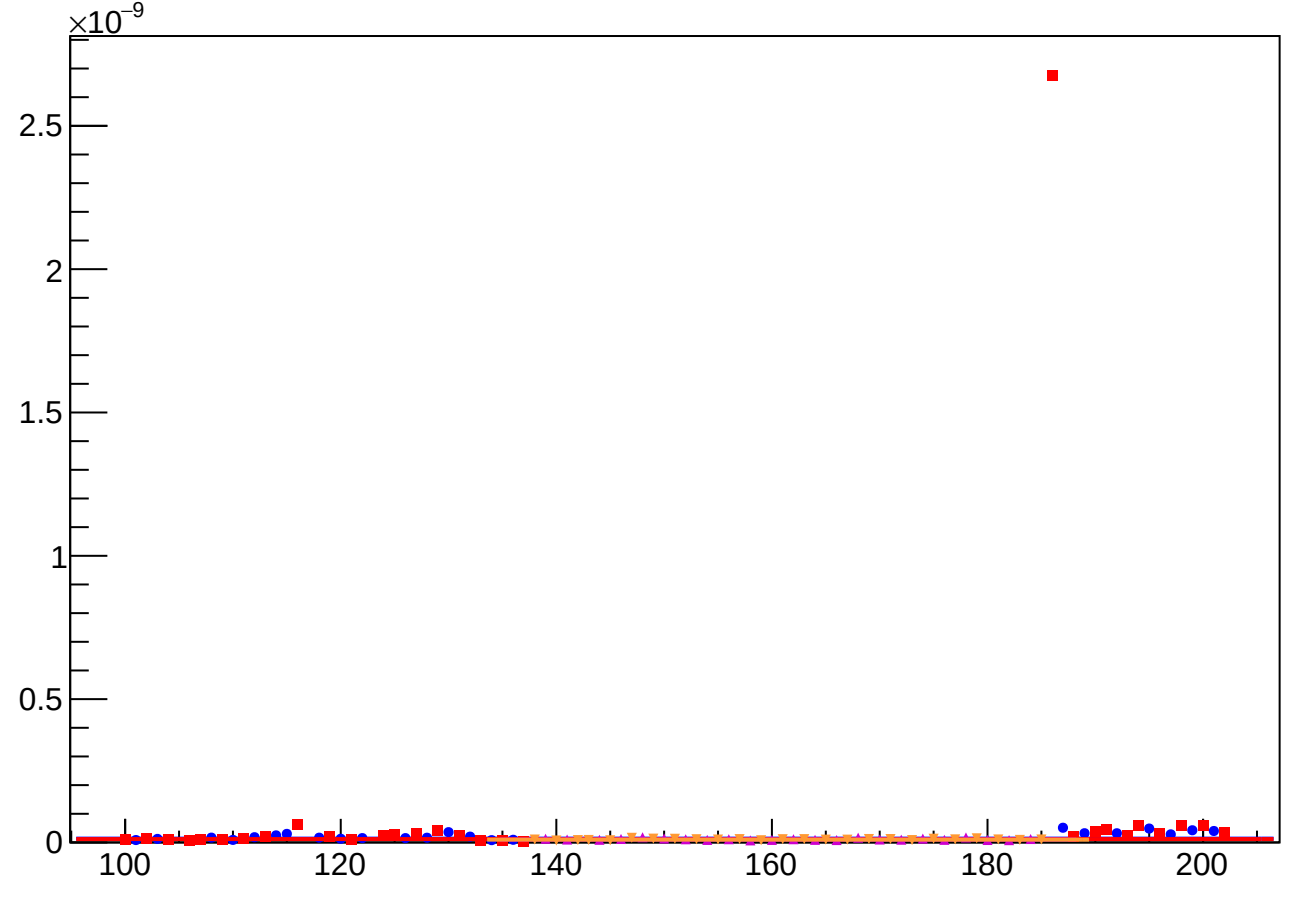
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 55.6/51

In: -0.000+/-0.000 χ^2/NDF:40.0/45

Out: -0.000+/-0.000 χ^2/NDF:63.5/53

All: -0.000+/-0.000 χ^2/NDF: 103.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 4043083.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7391071.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

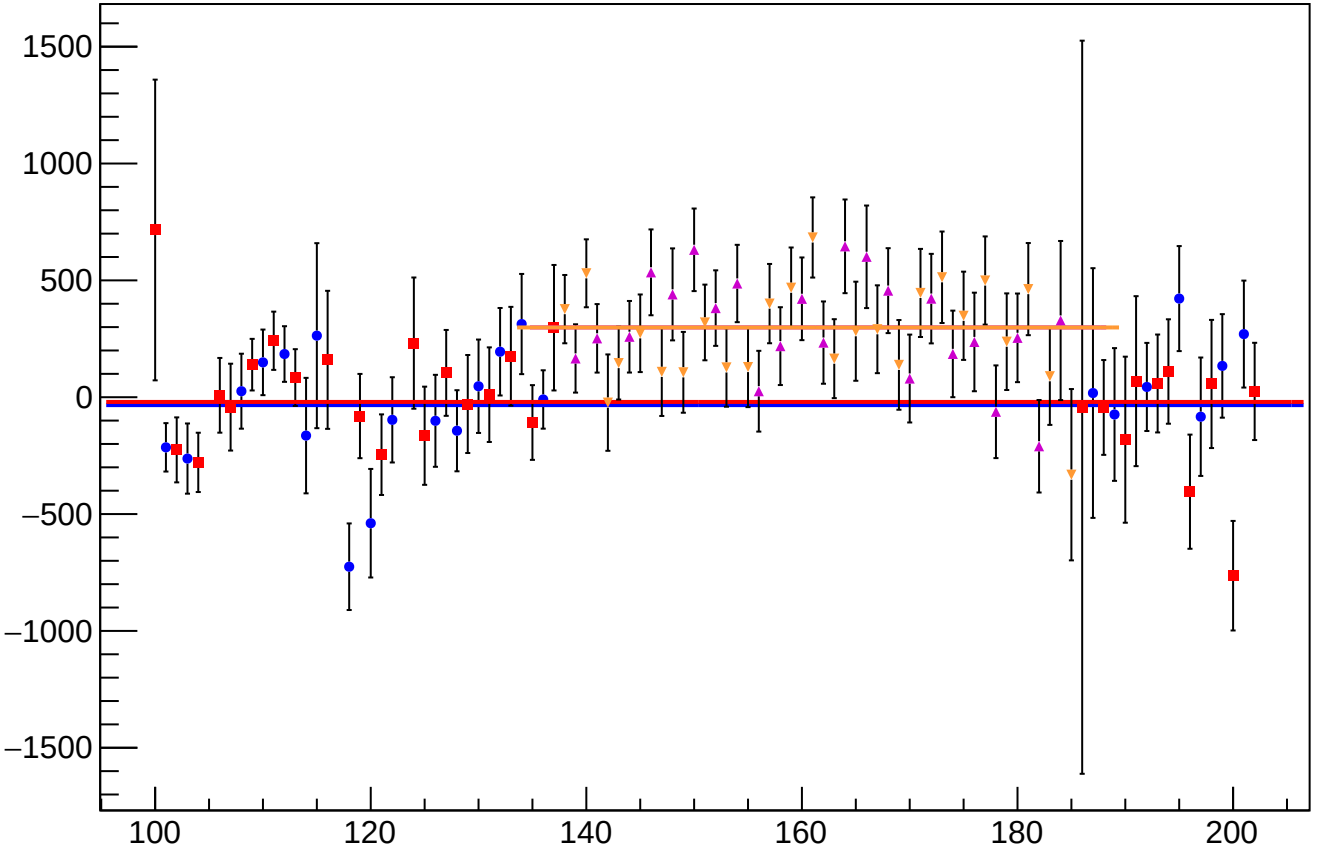
Right: 0.000+/-0.000 χ^2/NDF: 11513019.6/51

In: 0.000+/-0.000 χ^2/NDF:5839977.0/45

Out: 0.000+/-0.000 χ^2/NDF:8826043.2/53

All: 0.000+/-0.000 χ^2/NDF: 14715038.1/99

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -33.805+/-37.382 χ^2/NDF: 41.7/22

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -20.178+/-34.999 χ^2/NDF: 34.9/28

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

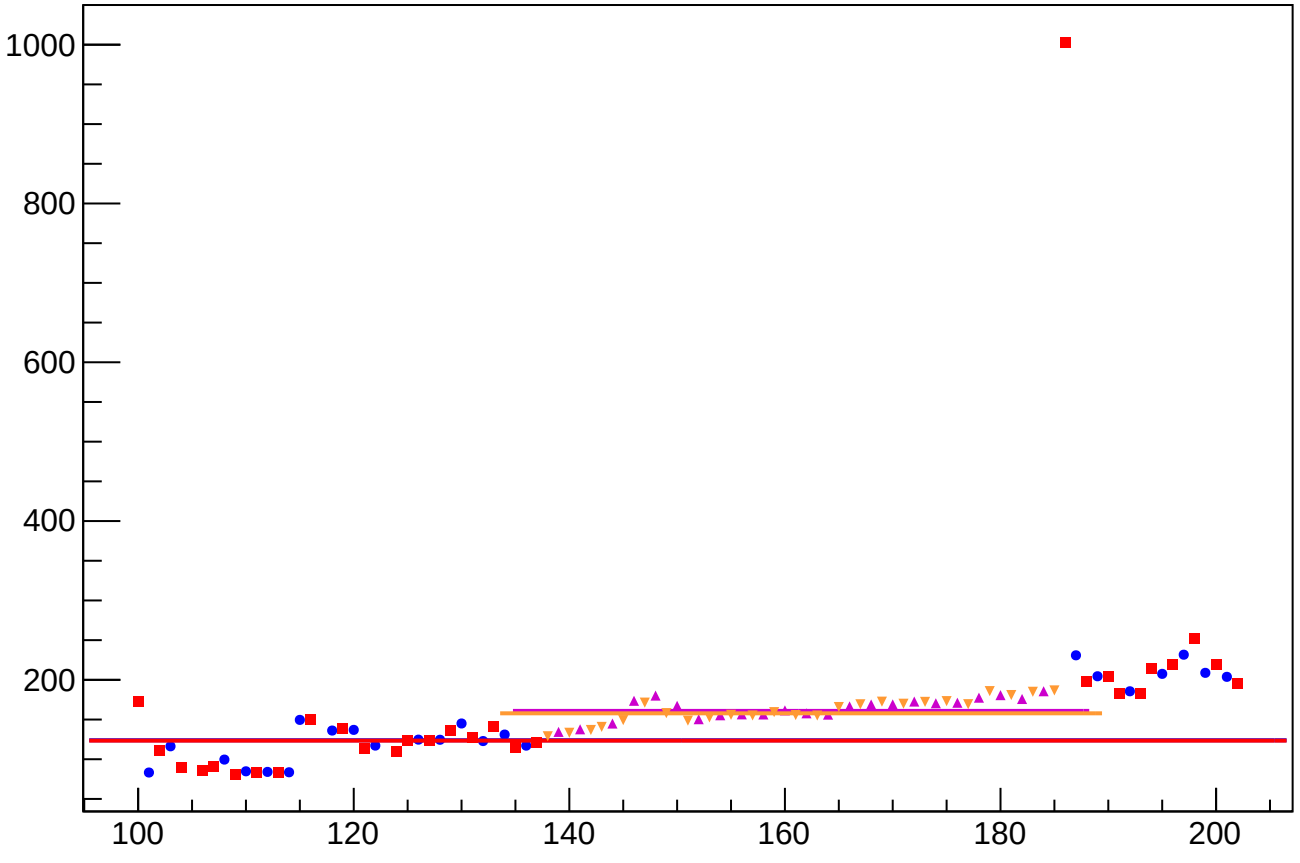
Right: -26.544+/-25.549 χ^2/NDF: 76.7/51

In: 130.908+/-26.554 χ^2/NDF:110.3/45

Out: 134.454+/-25.112 χ^2/NDF:101.1/53

All: 132.780+/-18.245 χ^2/NDF: 211.4/99

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 123.903+/-0.026 χ^2/NDF: 2480494.4/22

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 123.450+/-0.025 χ^2/NDF: 4013489.7/28

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

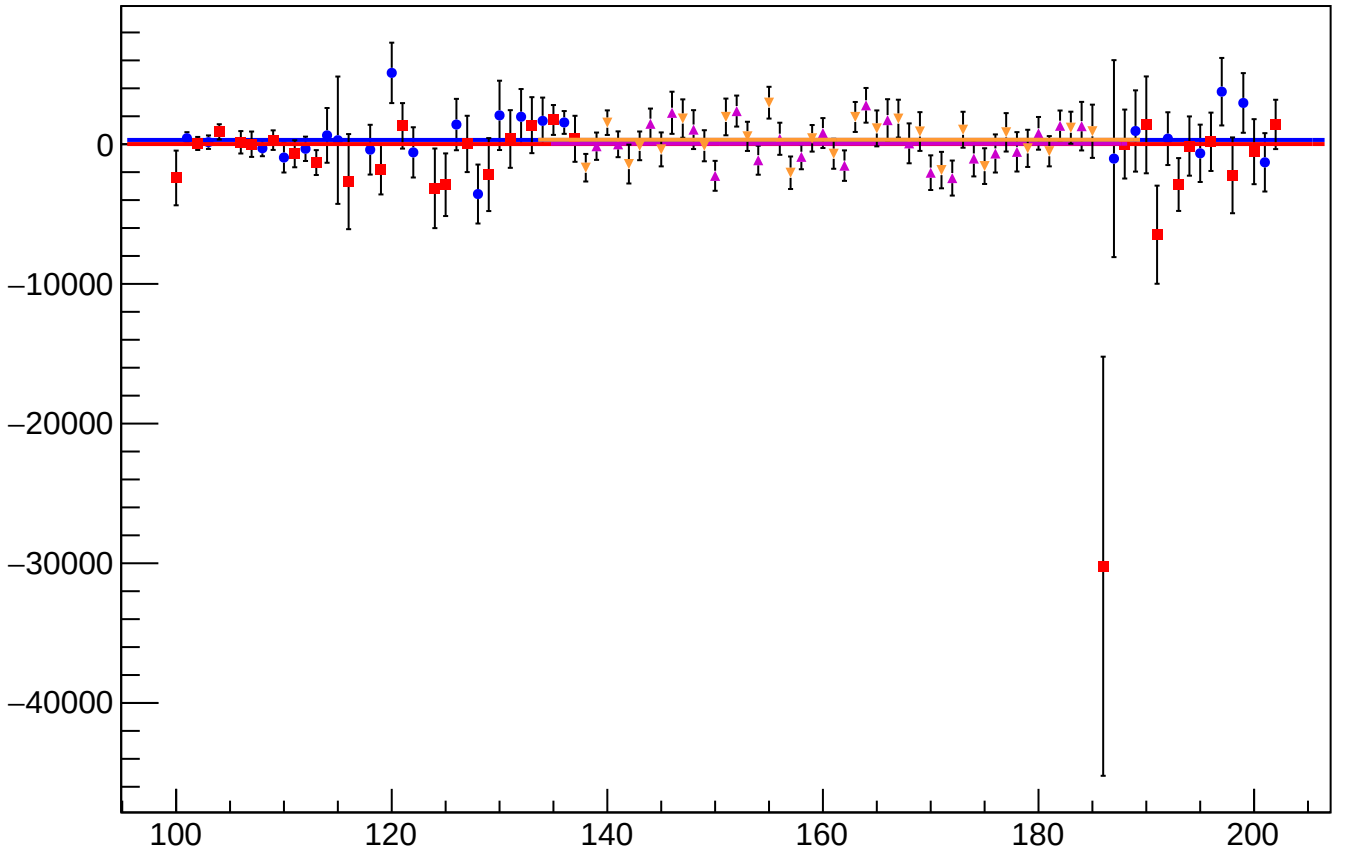
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 123.661+/-0.018 χ^2/NDF: 6494140.7/51

In: 142.219+/-0.019 χ^2/NDF:3718006.3/45

Out: 140.134+/-0.018 χ^2/NDF:5327436.2/53

All: 141.118+/-0.013 χ^2/NDF: 9051949.2/99



Right In: 306.178+/-223.213 χ^2/NDF: 21.0/22

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 9.907+/-222.170 χ^2/NDF: 27.5/28

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

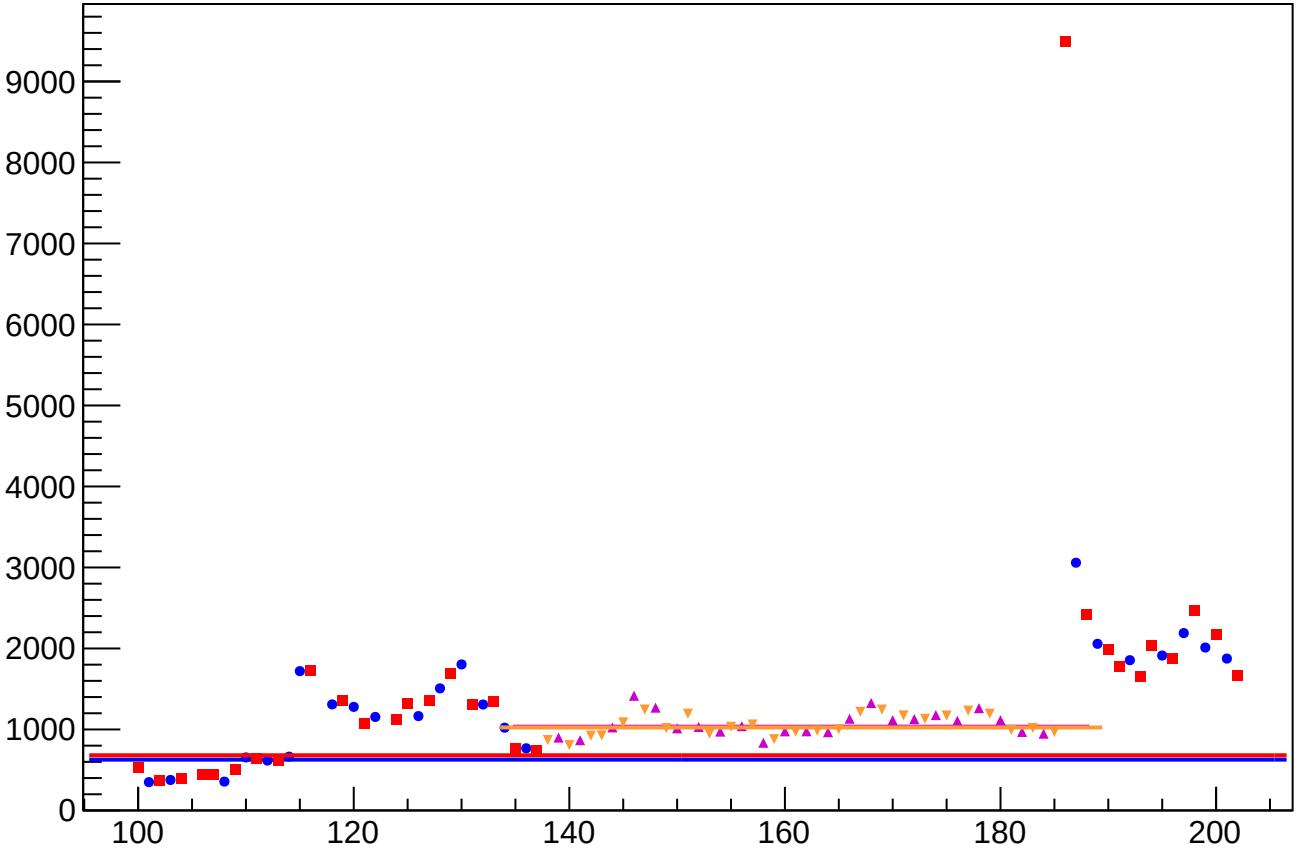
Right: 157.348+/-157.465 χ^2/NDF: 49.3/51

In: 184.627+/-164.743 χ^2/NDF:56.4/45

Out: 156.178+/-161.470 χ^2/NDF:60.9/53

All: 170.117+/-115.316 χ^2/NDF: 117.3/99

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 627.399+/-0.158 χ^2/NDF: 8687990.0/22

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 681.463+/-0.157 χ^2/NDF: 10093680.9/28

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

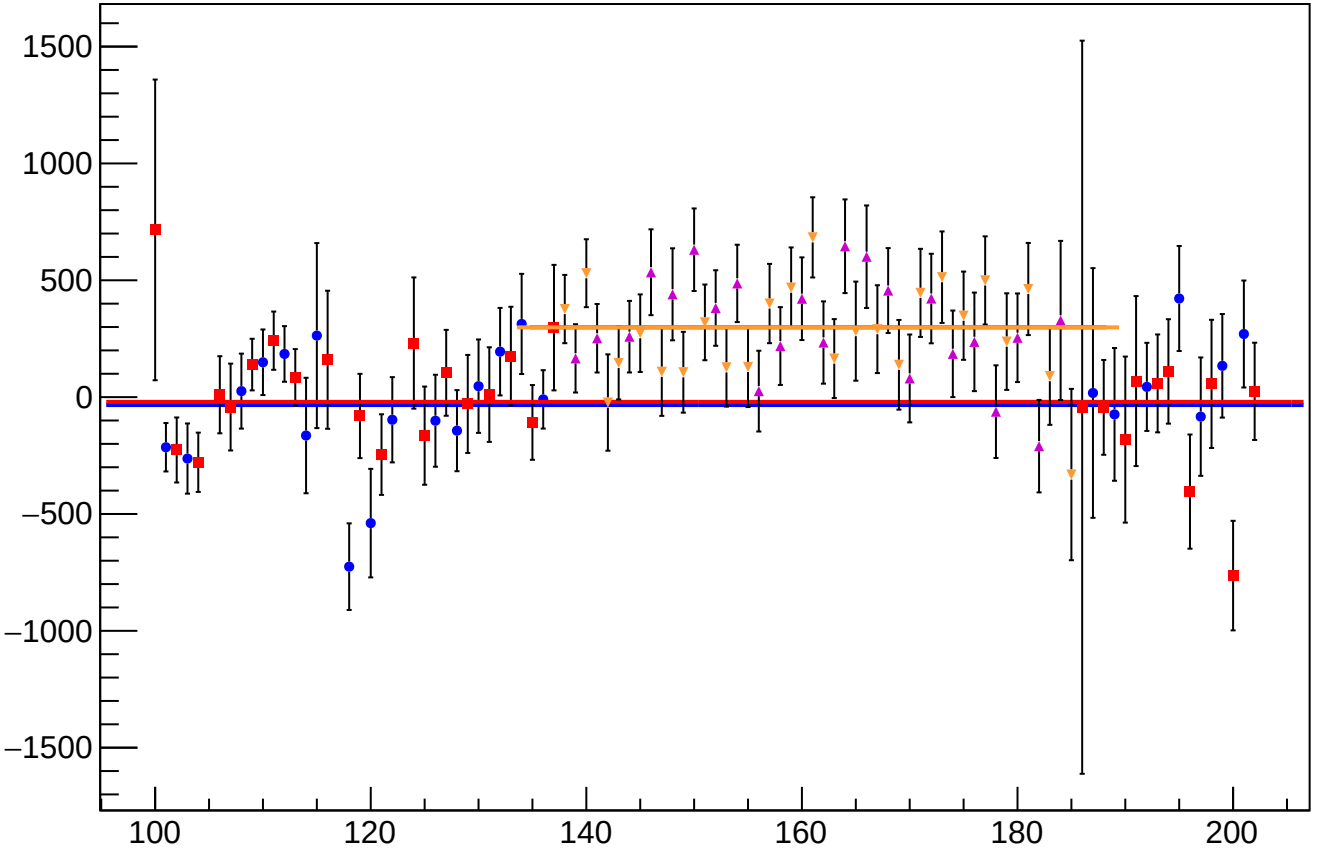
Right: 654.558+/-0.111 χ^2/NDF: 18840610.5/51

In: 812.711+/-0.116 χ^2/NDF:12344198.4/45

Out: 843.298+/-0.114 χ^2/NDF:12940691.2/53

All: 828.311+/-0.082 χ^2/NDF: 25320051.8/99

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -33.828+/-37.382 χ^2/NDF: 41.7/22

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -20.205+/-35.050 χ^2/NDF: 34.9/28

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

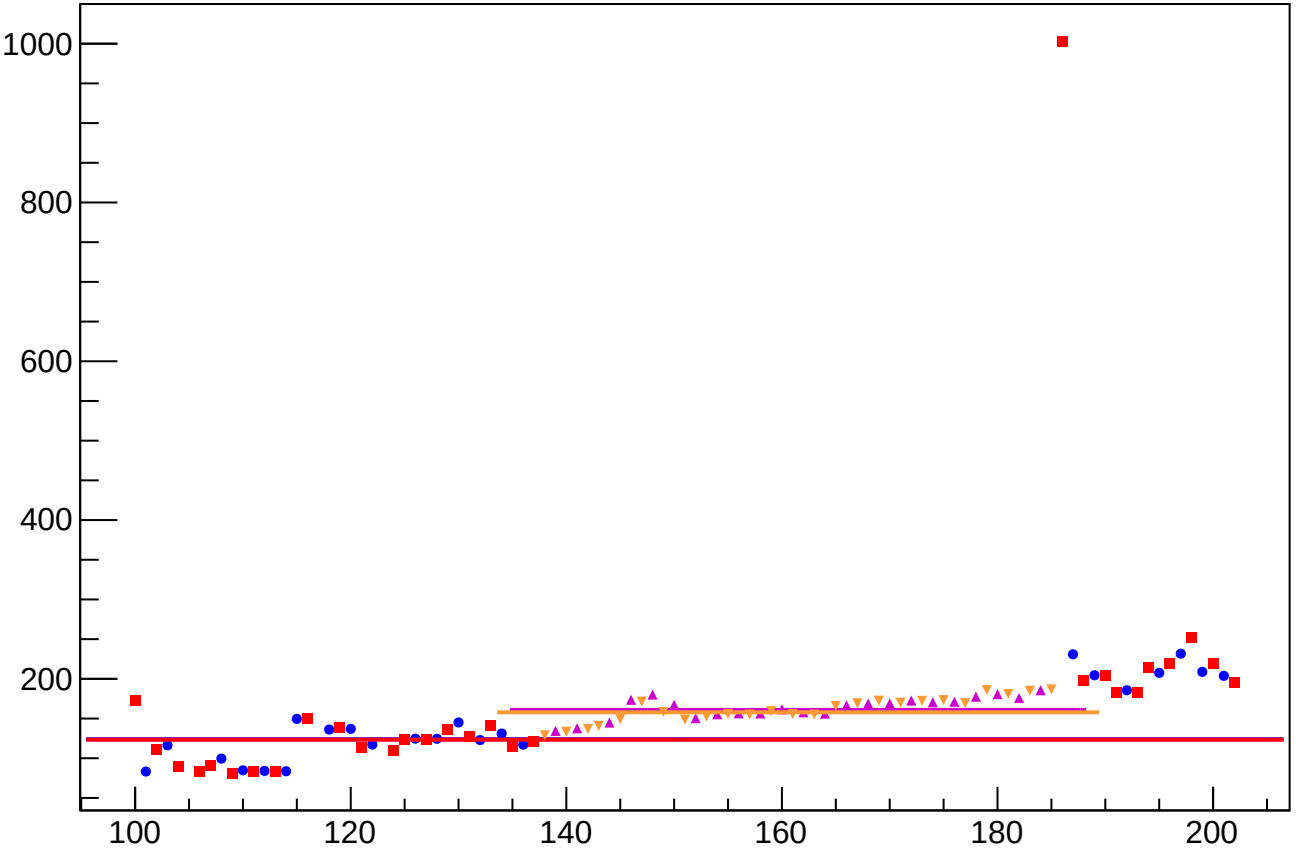
Right: -26.579+/-25.569 χ^2/NDF: 76.7/51

In: 130.900+/-26.554 χ^2/NDF:110.4/45

Out: 134.674+/-25.131 χ^2/NDF:101.0/53

All: 132.891+/-18.252 χ^2/NDF: 211.4/99

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 123.903+/-0.026 χ^2/NDF: 2480493.3/22

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 123.417+/-0.025 χ^2/NDF: 4024905.7/28

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

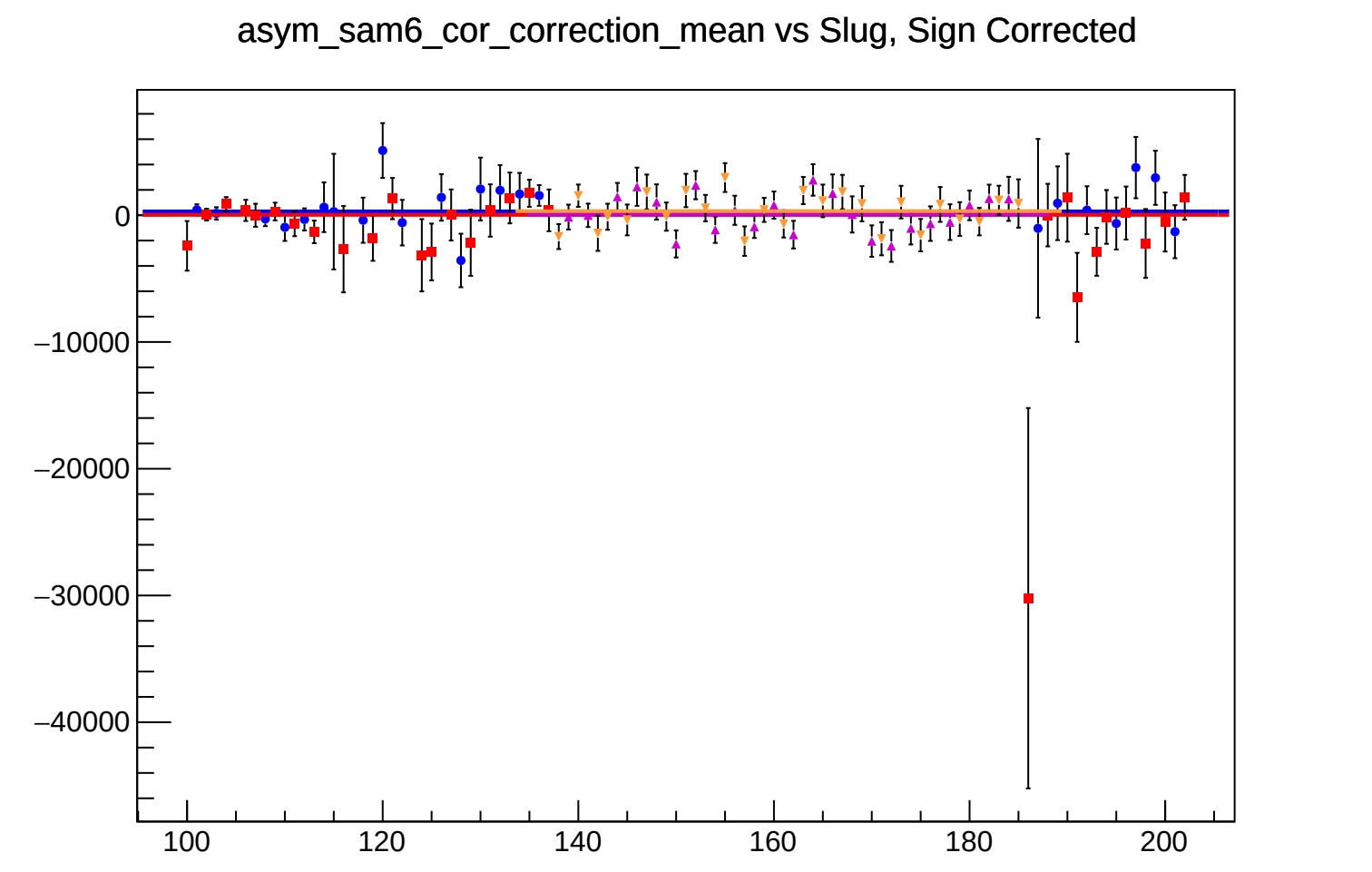
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 123.644+/-0.018 χ^2/NDF: 6505578.7/51

In: 142.219+/-0.019 χ^2/NDF:3718002.2/45

Out: 140.143+/-0.018 χ^2/NDF:5339295.0/53

All: 141.123+/-0.013 χ^2/NDF: 9063747.2/99



Right In: 306.307+/-223.207 χ^2/NDF: 21.0/22

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 25.810+/-222.719 χ^2/NDF: 27.6/28

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

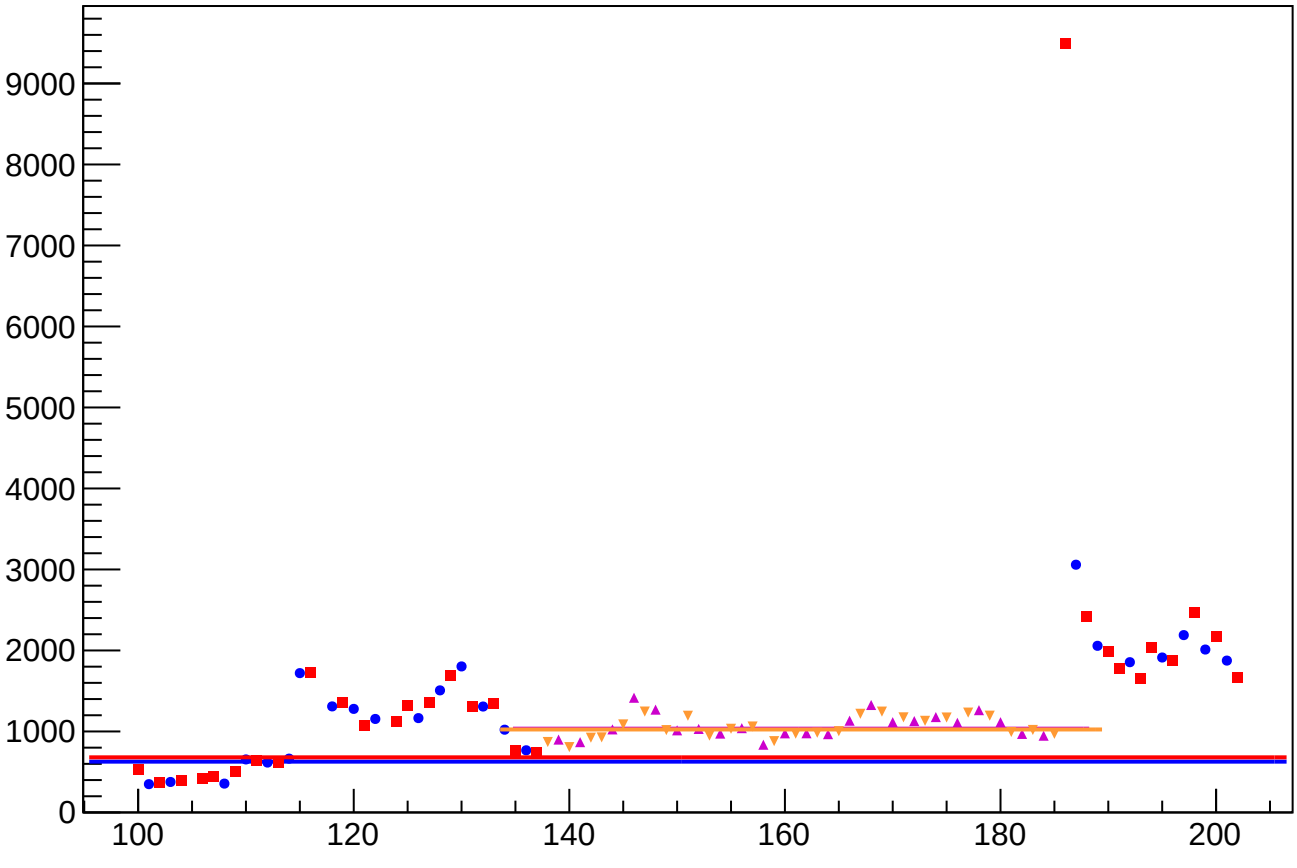
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 165.752+/-157.658 χ^2/NDF: 49.4/51

In: 184.701+/-164.740 χ^2/NDF:56.4/45

Out: 164.943+/-161.681 χ^2/NDF:61.0/53

All: 174.637+/-115.392 χ^2/NDF: 117.4/99



Right In: 627.374+/-0.158 χ^2/NDF: 8688358.1/22

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 680.608+/-0.157 χ^2/NDF: 10124457.5/28

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

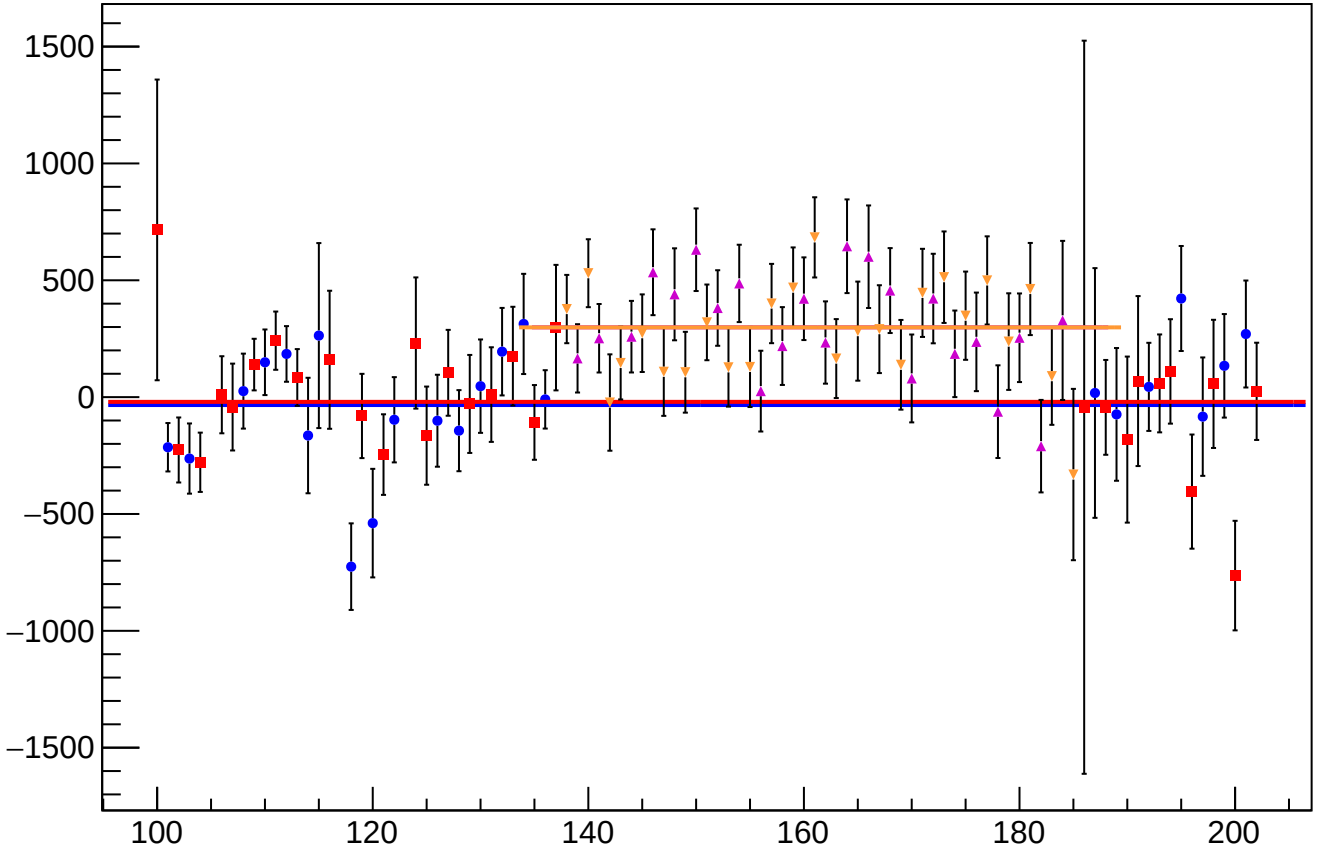
Right: 654.049+/-0.111 χ^2/NDF: 18869821.9/51

In: 812.691+/-0.116 χ^2/NDF:12345026.3/45

Out: 843.269+/-0.114 χ^2/NDF:12977430.5/53

All: 828.267+/-0.082 χ^2/NDF: 25357554.6/99

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -33.828+/-37.382 χ^2/NDF: 41.7/22

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -20.205+/-35.050 χ^2/NDF: 34.9/28

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

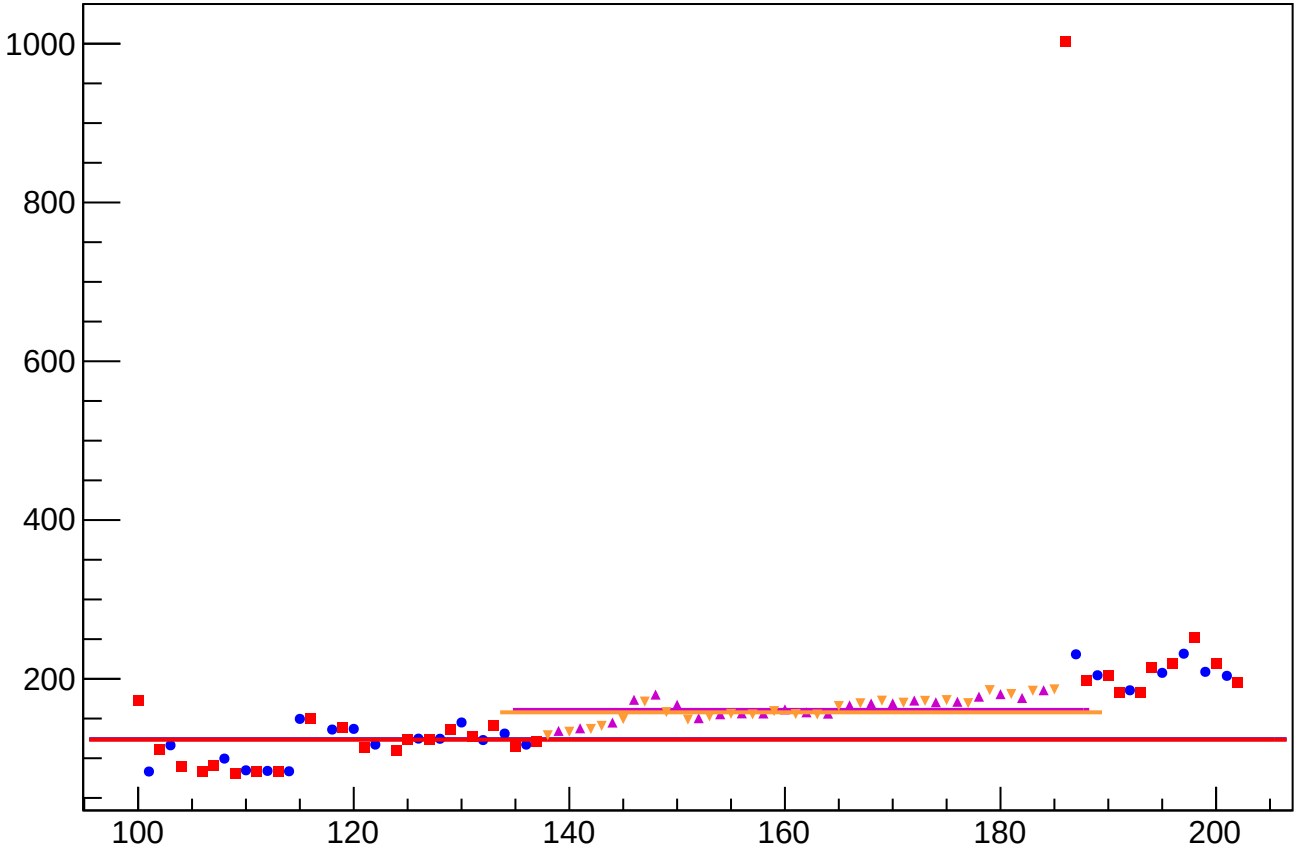
Right: -26.579+/-25.569 χ^2/NDF: 76.7/51

In: 130.900+/-26.554 χ^2/NDF:110.4/45

Out: 134.674+/-25.131 χ^2/NDF:101.0/53

All: 132.891+/-18.252 χ^2/NDF: 211.4/99

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 123.903+/-0.026 χ^2/NDF: 2480493.3/22

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 123.417+/-0.025 χ^2/NDF: 4024905.7/28

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

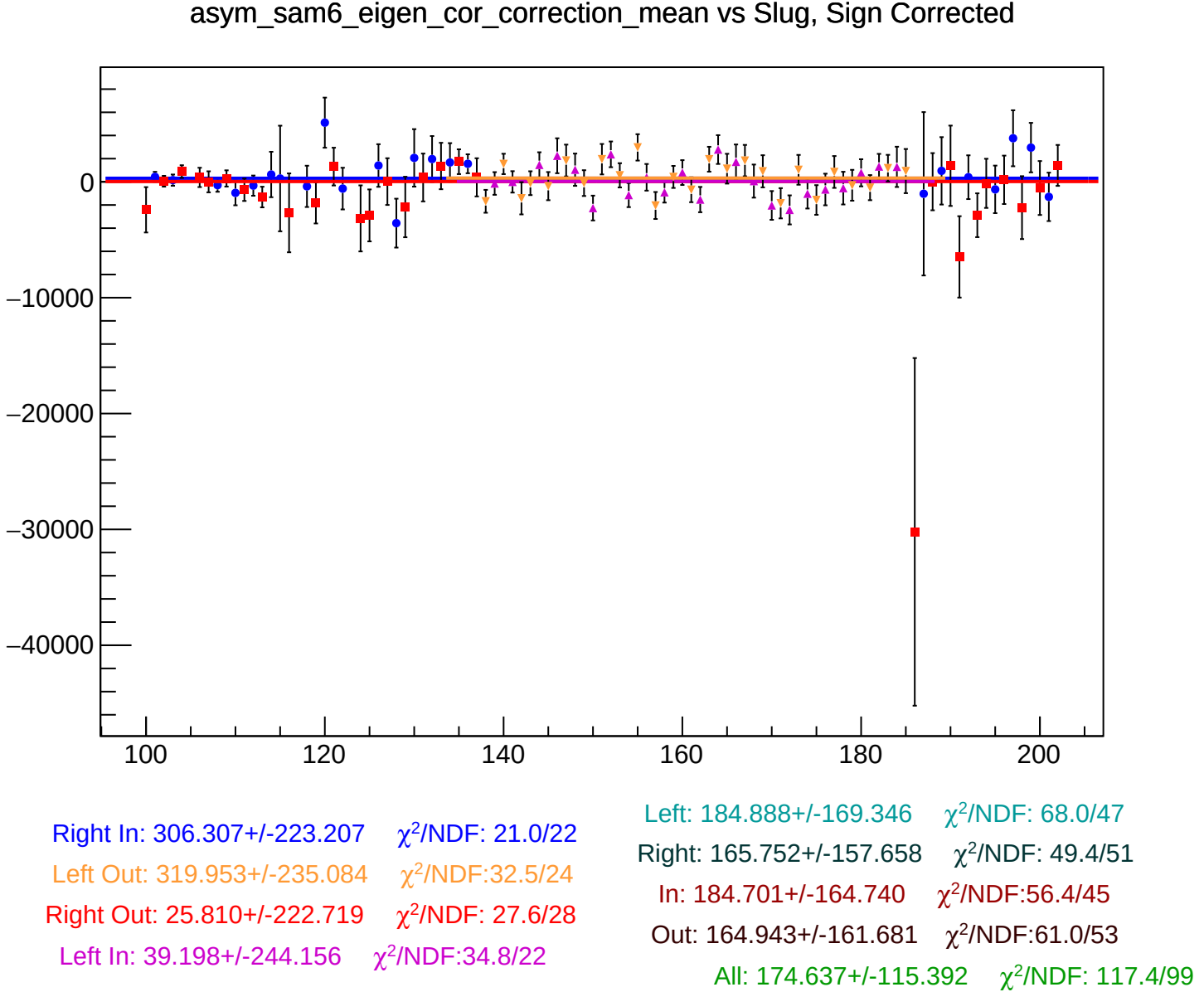
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 123.644+/-0.018 χ^2/NDF: 6505578.7/51

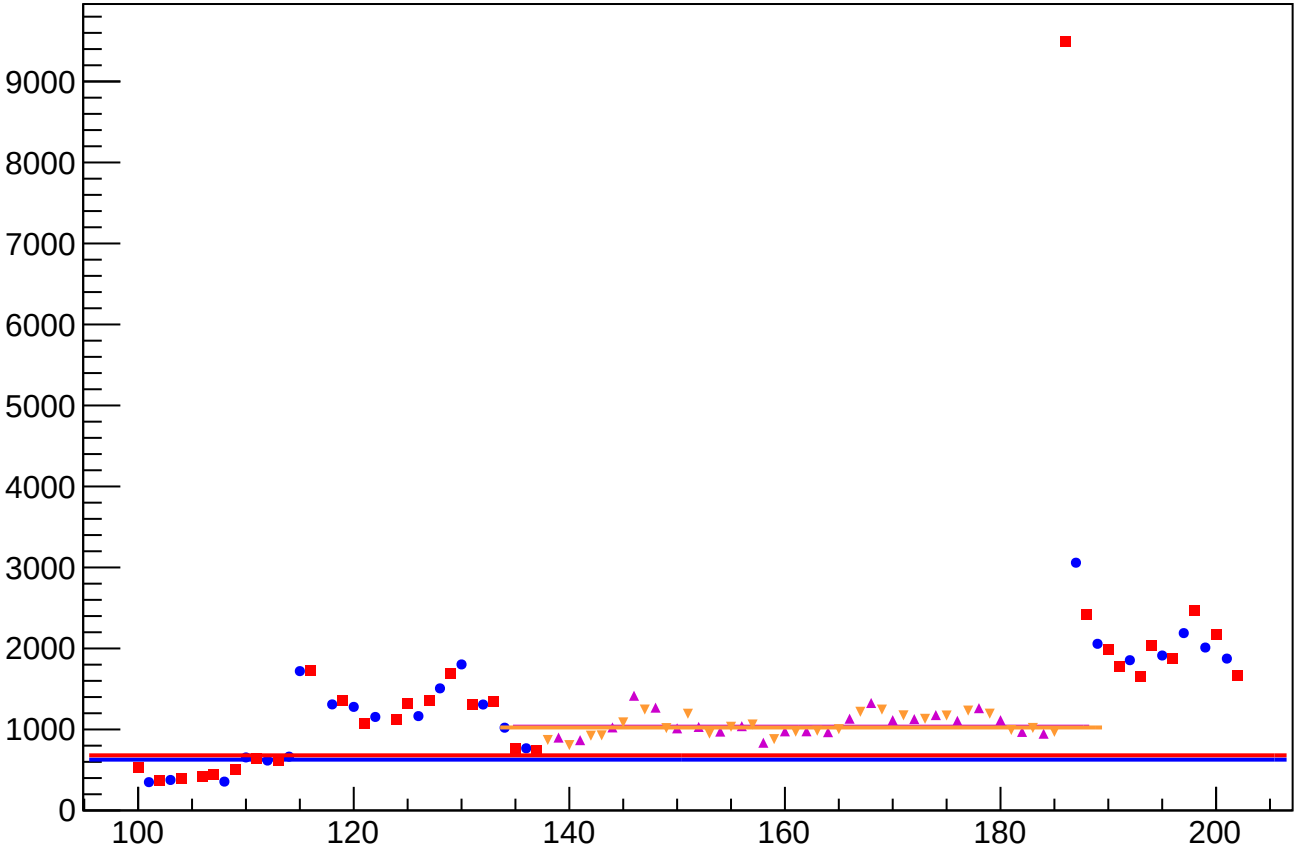
In: 142.219+/-0.019 χ^2/NDF:3718002.2/45

Out: 140.143+/-0.018 χ^2/NDF:5339295.0/53

All: 141.123+/-0.013 χ^2/NDF: 9063747.2/99


asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 306.307+/-223.207 χ²/NDF: 21.0/22
Left Out: 319.953+/-235.084 χ²/NDF:32.5/24
Right Out: 25.810+/-222.719 χ²/NDF: 27.6/28
Left In: 39.198+/-244.156 χ²/NDF:34.8/22
Left: 184.888+/-169.346 χ²/NDF: 68.0/47
Right: 165.752+/-157.658 χ²/NDF: 49.4/51
In: 184.701+/-164.740 χ²/NDF:56.4/45
Out: 164.943+/-161.681 χ²/NDF:61.0/53
All: 174.637+/-115.392 χ²/NDF: 117.4/99

asym_sam6_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 627.374+/-0.158 χ^2/NDF: 8688358.1/22

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 680.608+/-0.157 χ^2/NDF: 10124457.5/28

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

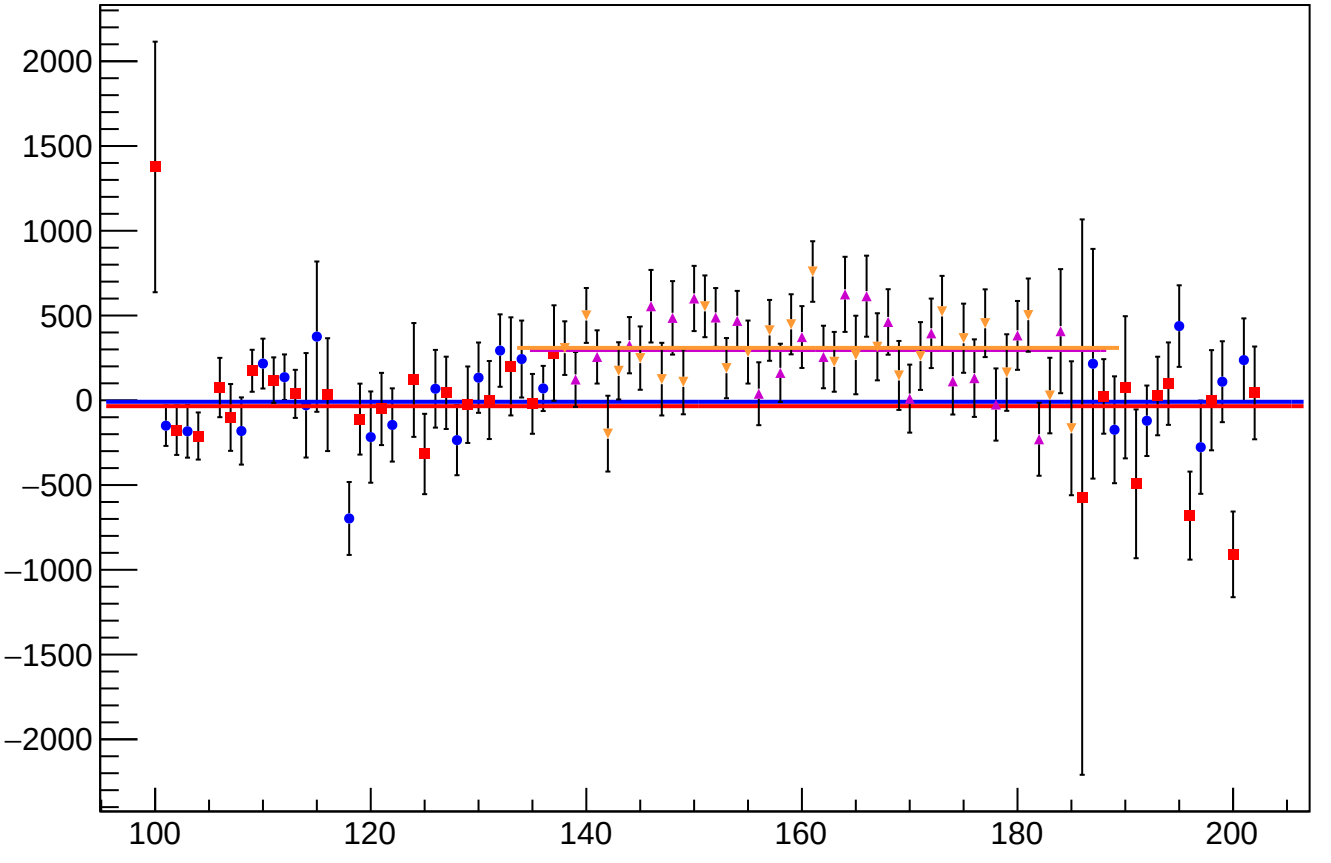
Right: 654.049+/-0.111 χ^2/NDF: 18869821.9/51

In: 812.691+/-0.116 χ^2/NDF:12345026.3/45

Out: 843.269+/-0.114 χ^2/NDF:12977430.5/53

All: 828.267+/-0.082 χ^2/NDF: 25357554.6/99

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -8.870+/-41.723 χ^2/NDF: 30.6/22

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -34.834+/-39.232 χ^2/NDF: 34.9/28

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

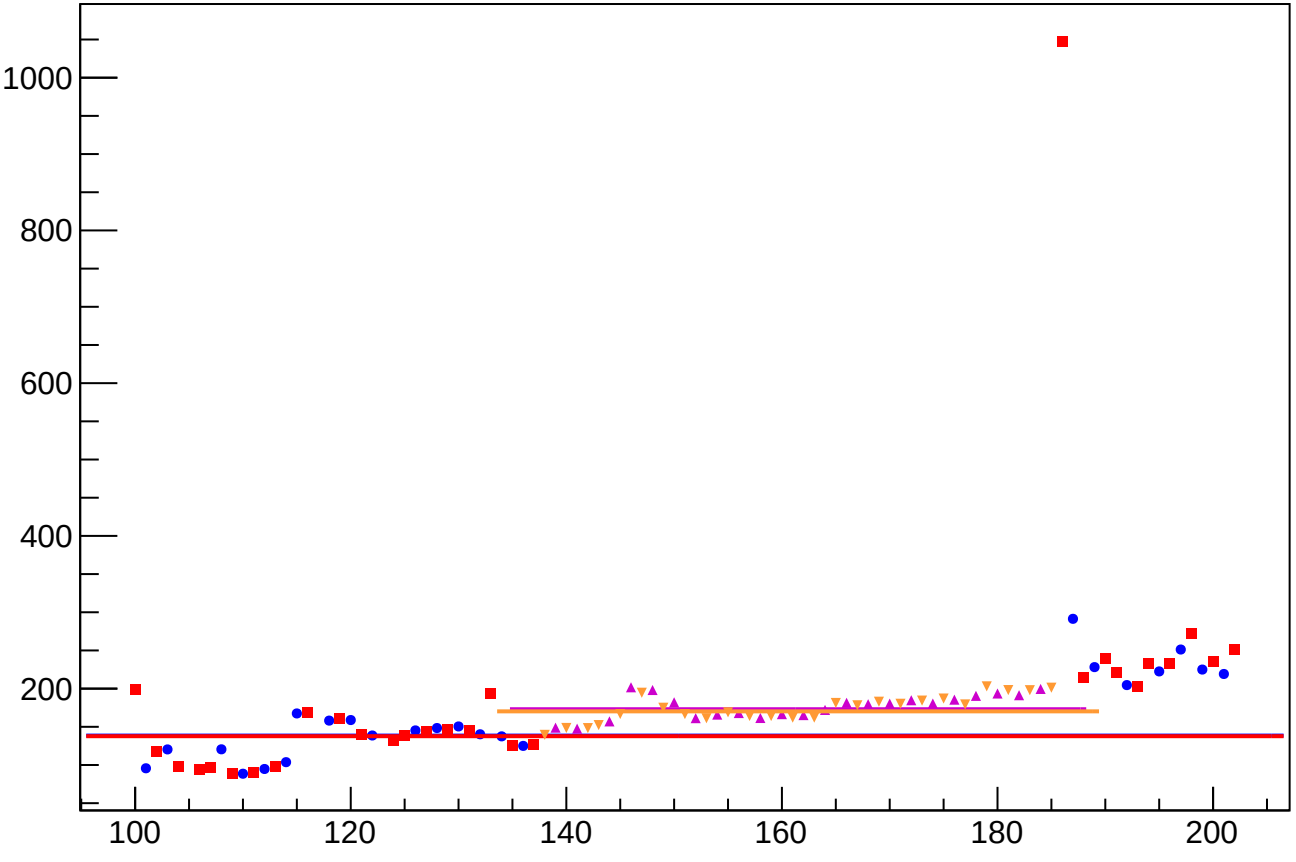
Right: -22.650+/-28.581 χ^2/NDF: 65.7/51

In: 147.954+/-29.100 χ^2/NDF:85.9/45

Out: 138.556+/-27.623 χ^2/NDF:99.2/53

All: 143.010+/-20.034 χ^2/NDF: 185.2/99

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 138.498+/-0.030 χ^2/NDF: 2362934.0/22

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 137.707+/-0.028 χ^2/NDF: 4140581.1/28

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

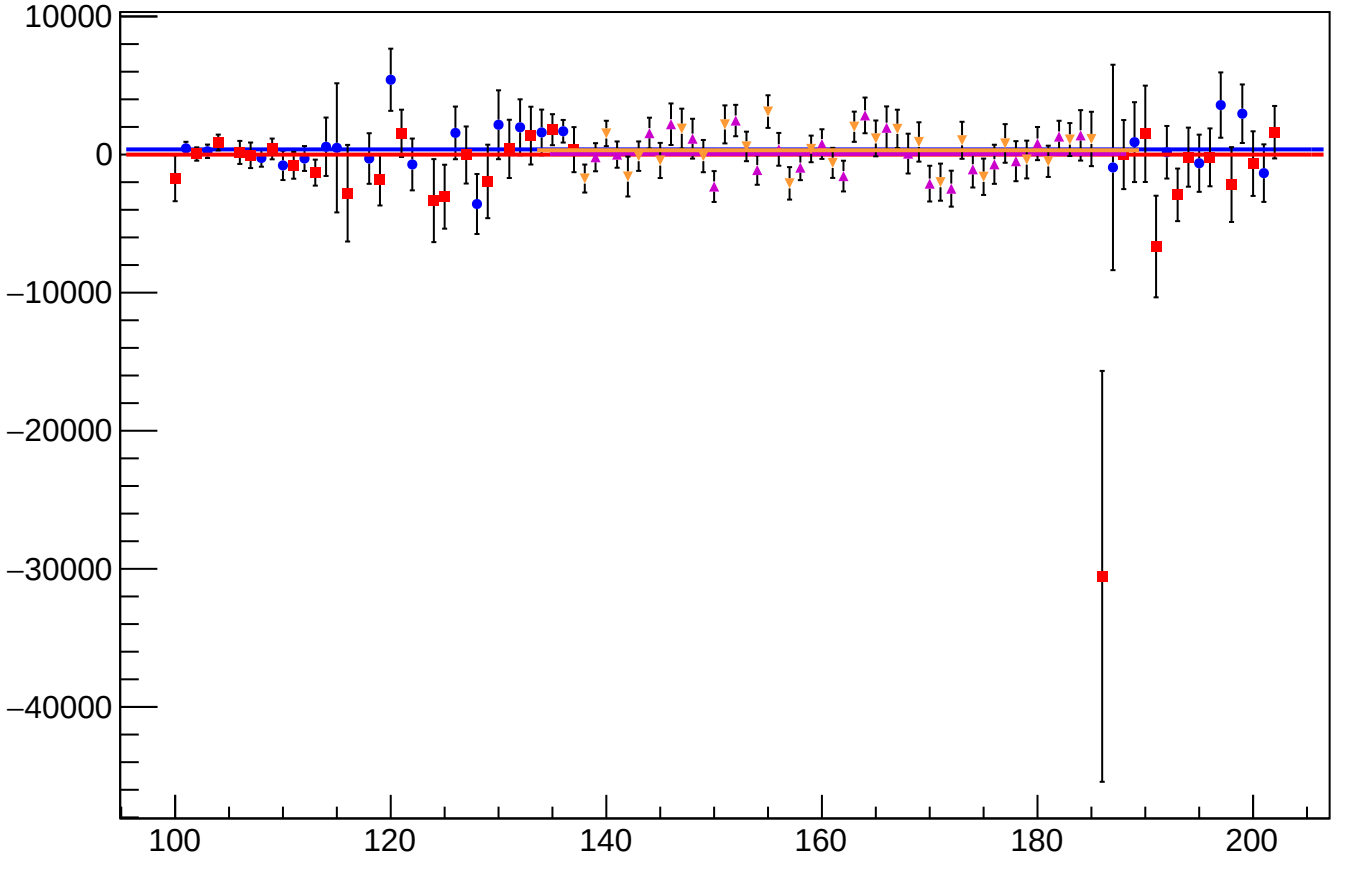
Right: 138.078+/-0.020 χ^2/NDF: 6503896.6/51

In: 156.229+/-0.021 χ^2/NDF:3359952.6/45

Out: 154.112+/-0.020 χ^2/NDF:5200382.4/53

All: 155.115+/-0.014 χ^2/NDF: 8565904.9/99

asym_sam6_dit_correction_mean vs Slug, Sign Corrected



Right In: 373.692+/-233.000 χ^2/NDF: 20.6/22

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -3.239+/-229.835 χ^2/NDF: 26.8/28

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

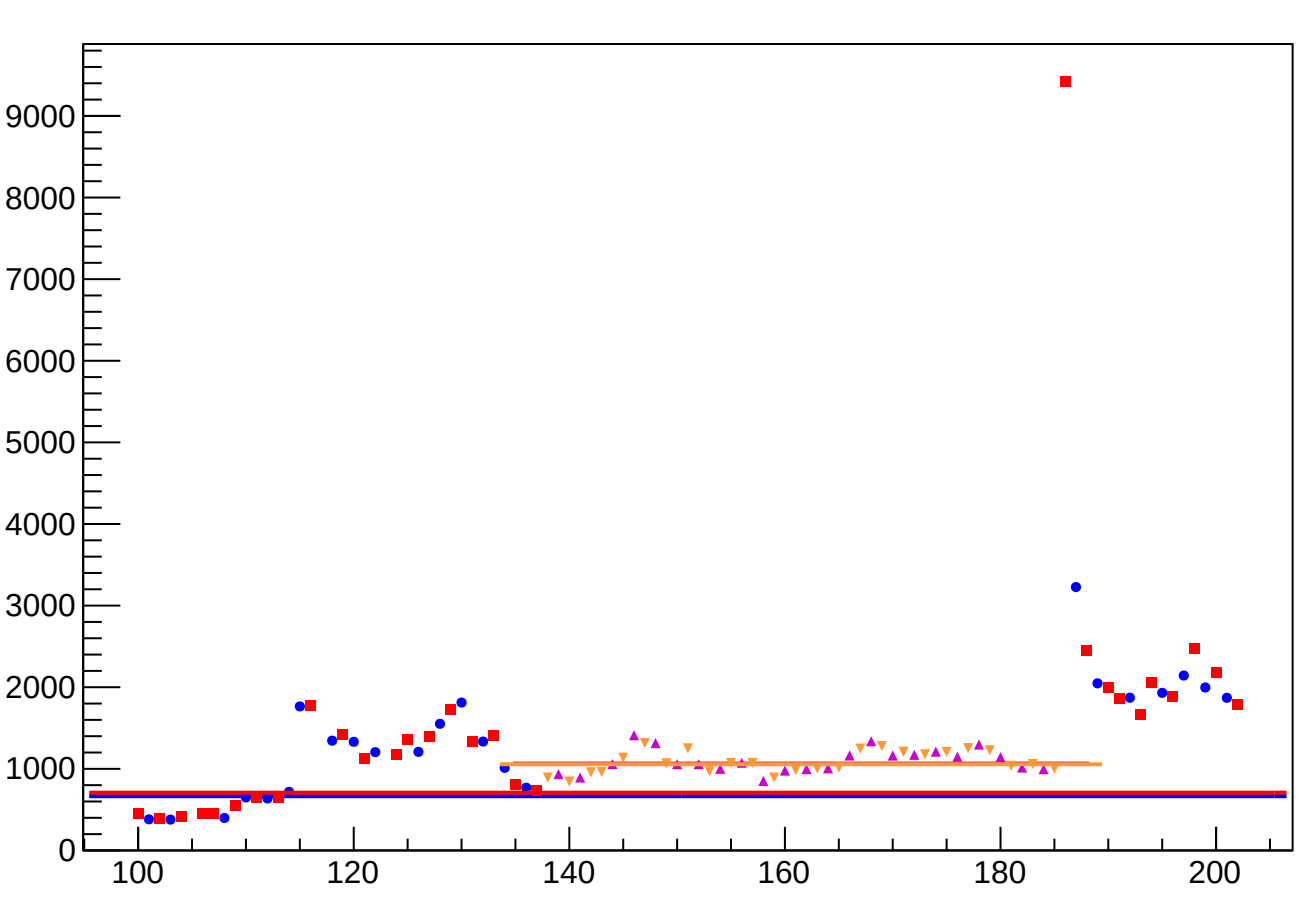
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 182.649+/-163.625 χ^2/NDF: 48.7/51

In: 222.748+/-170.844 χ^2/NDF:55.9/45

Out: 146.774+/-166.784 χ^2/NDF:60.6/53

All: 183.847+/-119.344 χ^2/NDF: 116.6/99



Right In: 664.531+/-0.165 χ^2/NDF: 8250005.5/22

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 707.855+/-0.163 χ^2/NDF: 9985220.5/28

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

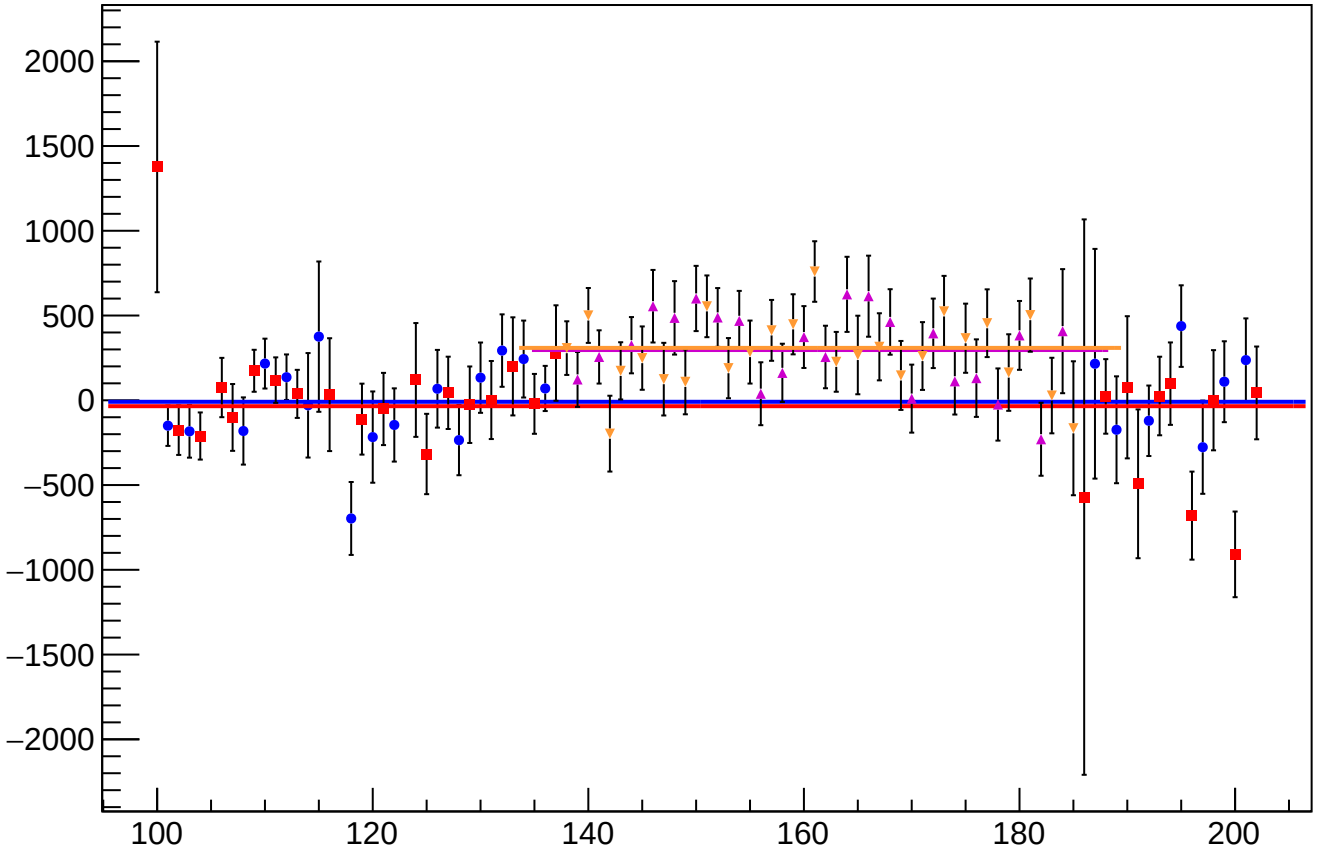
Right: 686.490+/-0.116 χ^2/NDF: 18270272.7/51

In: 849.550+/-0.121 χ^2/NDF:11588583.6/45

Out: 872.825+/-0.118 χ^2/NDF:12772487.7/53

All: 861.467+/-0.084 χ^2/NDF: 24380076.6/99

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -8.872+/-41.723 χ^2/NDF: 30.6/22

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -34.833+/-39.232 χ^2/NDF: 34.9/28

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

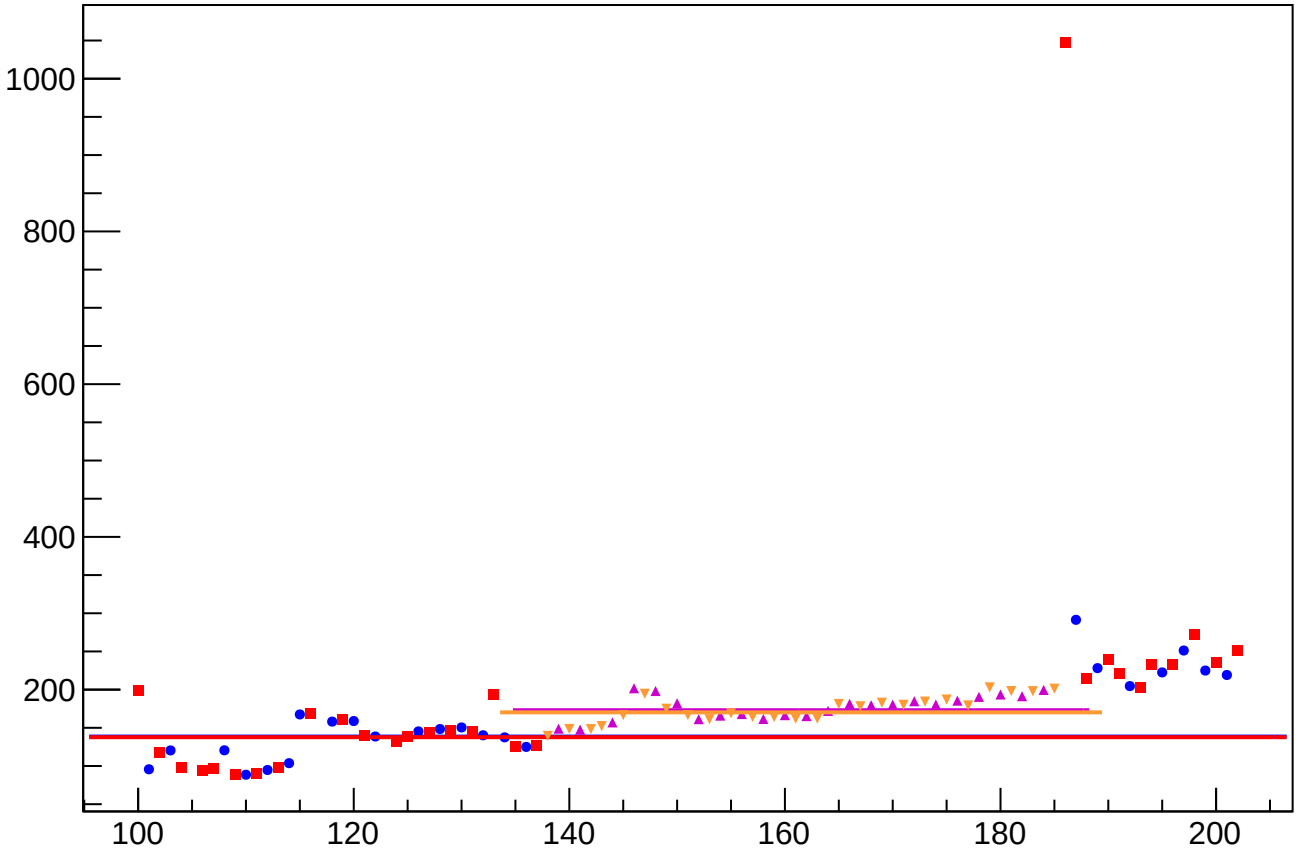
Right: -22.651+/-28.581 χ^2/NDF: 65.7/51

In: 147.953+/-29.100 χ^2/NDF:85.9/45

Out: 138.557+/-27.623 χ^2/NDF:99.2/53

All: 143.010+/-20.034 χ^2/NDF: 185.2/99

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 138.498+/-0.030 χ^2/NDF: 2362948.2/22

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 137.707+/-0.028 χ^2/NDF: 4140584.6/28

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

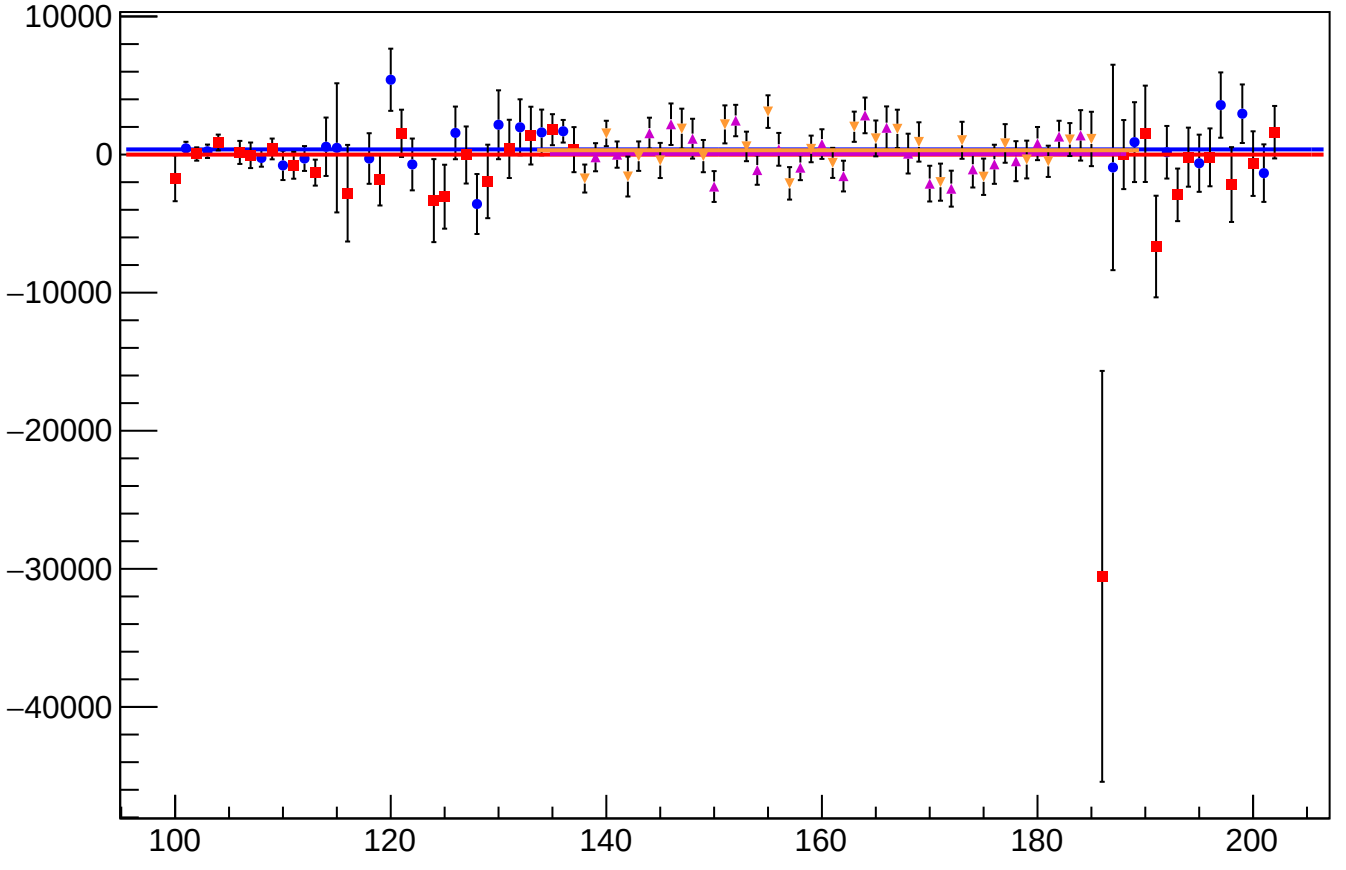
Right: 138.078+/-0.020 χ^2/NDF: 6503914.2/51

In: 156.229+/-0.021 χ^2/NDF:3359973.3/45

Out: 154.111+/-0.020 χ^2/NDF:5200389.9/53

All: 155.115+/-0.014 χ^2/NDF: 8565933.0/99

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 373.691+/-233.000 χ^2/NDF: 20.6/22

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -3.238+/-229.835 χ^2/NDF: 26.8/28

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

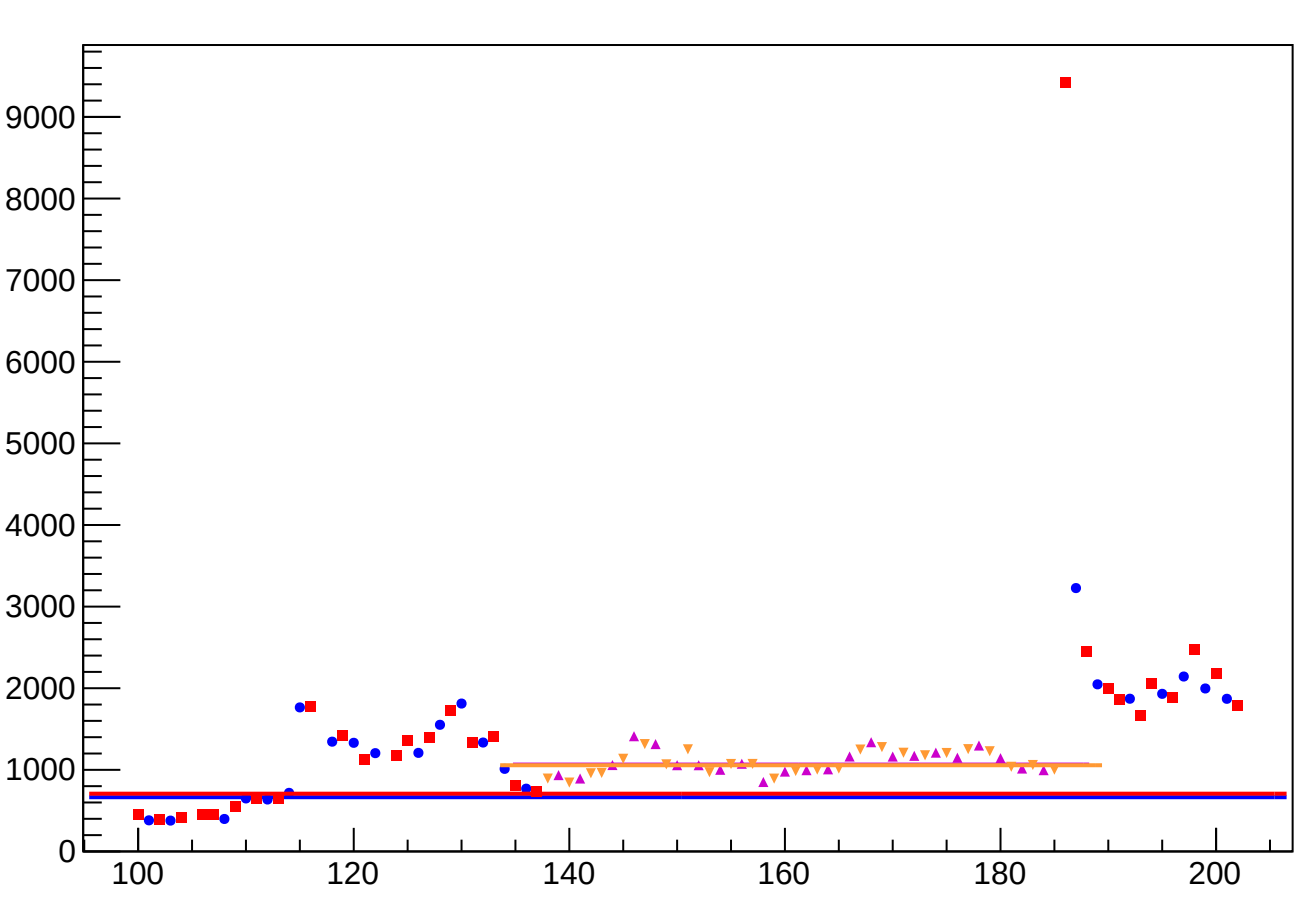
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 182.649+/-163.625 χ^2/NDF: 48.7/51

In: 222.748+/-170.844 χ^2/NDF:55.9/45

Out: 146.775+/-166.784 χ^2/NDF:60.6/53

All: 183.848+/-119.344 χ^2/NDF: 116.6/99



Right In: 664.530+/-0.165 χ^2/NDF: 8250012.2/22

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 707.855+/-0.163 χ^2/NDF: 9985222.7/28

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

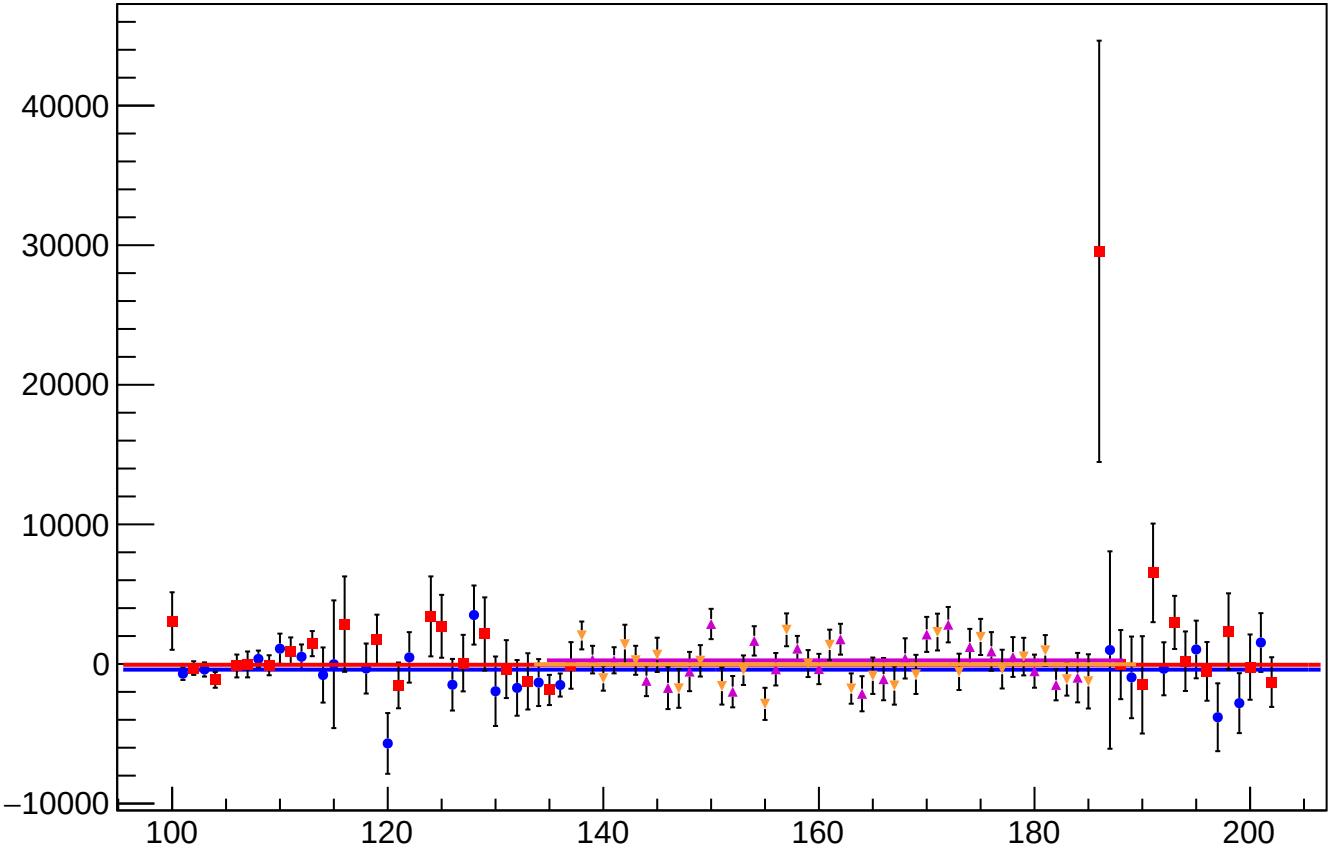
Right: 686.489+/-0.116 χ^2/NDF: 18270282.2/51

In: 849.550+/-0.121 χ^2/NDF:11588608.1/45

Out: 872.824+/-0.118 χ^2/NDF:12772506.3/53

All: 861.467+/-0.084 χ^2/NDF: 24380120.2/99

asym_sam6_mean vs Slug, Sign Corrected



Right In: -405.753+/-229.502 χ^2/NDF: 22.6/22

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -58.794+/-227.606 χ^2/NDF: 30.8/28

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

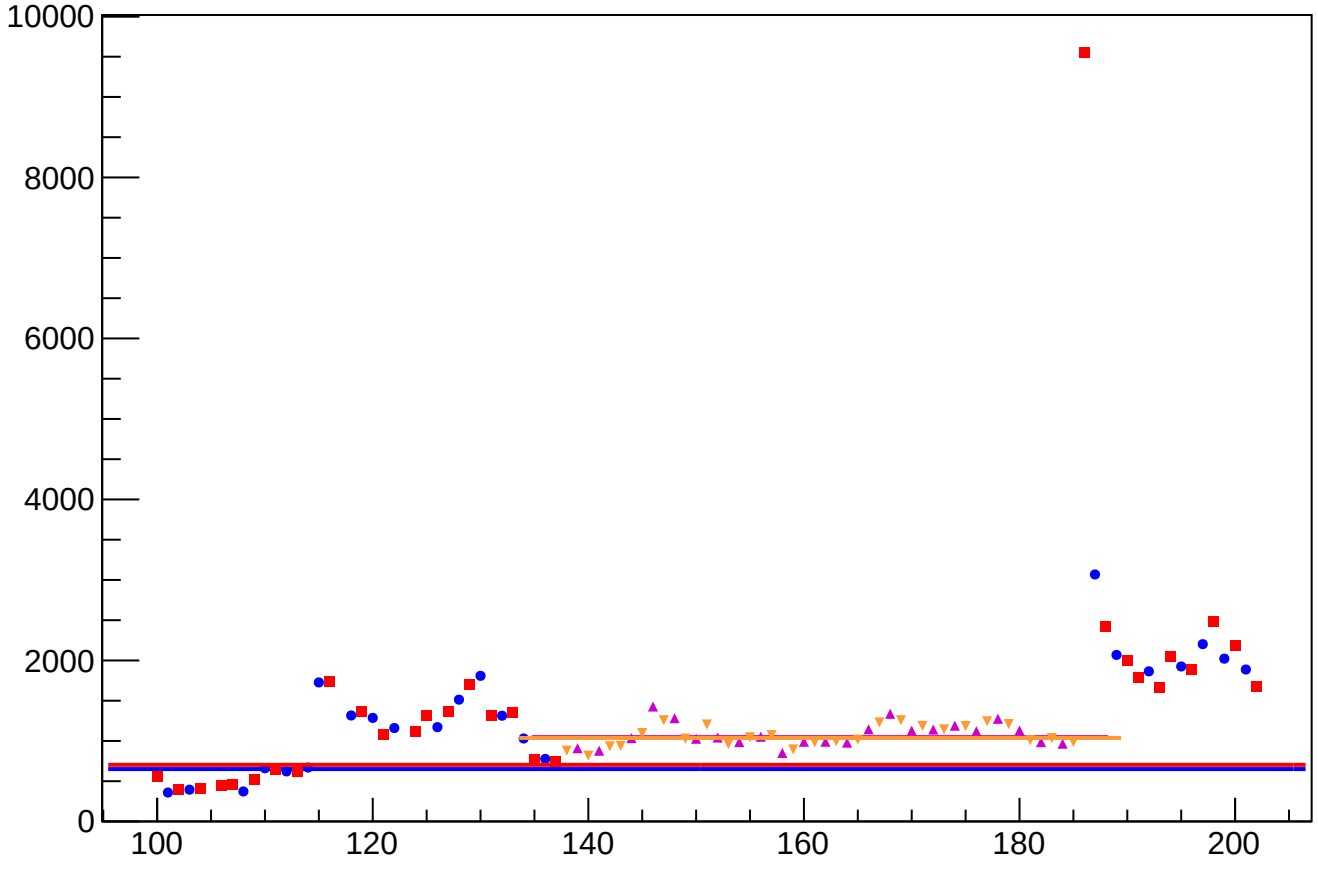
Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

Right: -230.834+/-161.608 χ^2/NDF: 54.6/51

In: -99.693+/-168.192 χ^2/NDF:60.0/45

Out: -41.149+/-164.484 χ^2/NDF:65.4/53

All: -69.768+/-117.597 χ^2/NDF: 125.4/99



Right In: 650.606+/-0.162 χ^2/NDF: 8411043.7/22

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 703.494+/-0.161 χ^2/NDF: 9817230.1/28

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

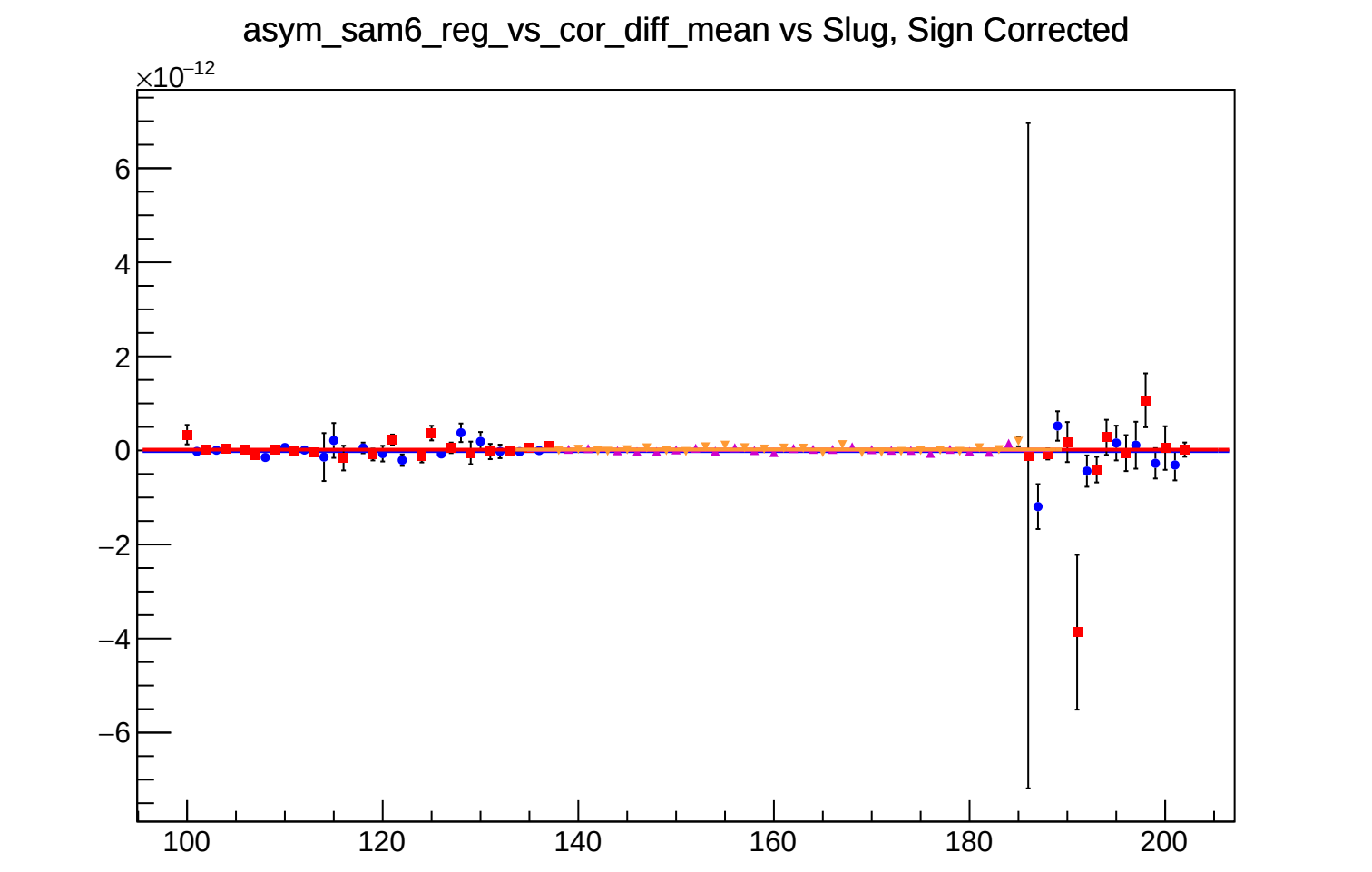
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

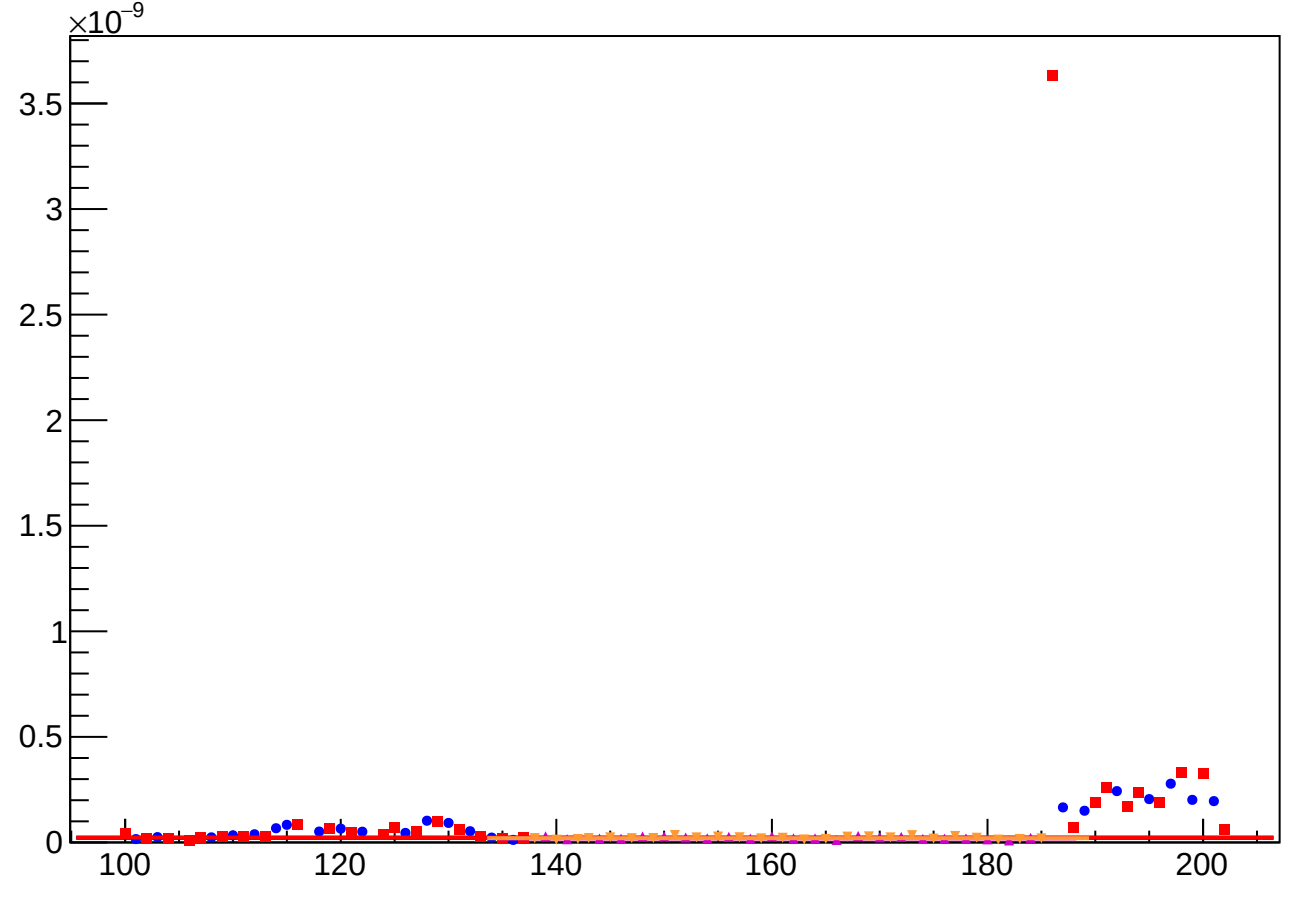
Right: 677.269+/-0.114 χ^2/NDF: 18281821.0/51

In: 834.396+/-0.119 χ^2/NDF:11795132.0/45

Out: 862.981+/-0.116 χ^2/NDF:12458207.8/53

All: 849.007+/-0.083 χ^2/NDF: 24282867.3/99


asym_sam6_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.3/22
Left Out: 0.000+/-0.000 χ²/NDF:30.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/28
Left In: 0.000+/-0.000 χ²/NDF:18.6/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/47
Right: 0.000+/-0.000 χ²/NDF: 63.7/51
In: 0.000+/-0.000 χ²/NDF:48.8/45
Out: 0.000+/-0.000 χ²/NDF:62.5/53
All: 0.000+/-0.000 χ²/NDF: 115.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 5645172.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6274434.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

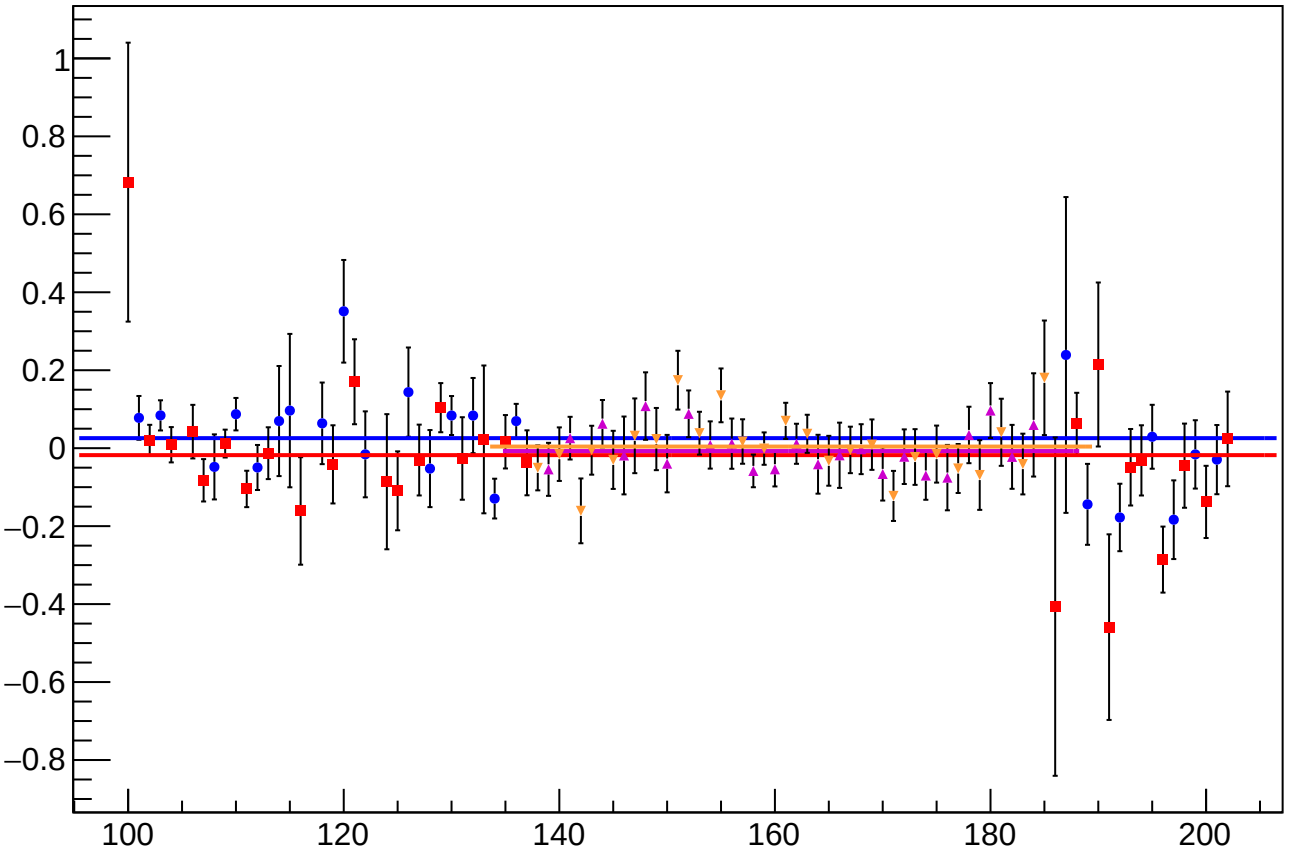
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11931146.8/51

In: 0.000+/-0.000 χ^2/NDF:6756836.5/45

Out: 0.000+/-0.000 χ^2/NDF:7347424.0/53

All: 0.000+/-0.000 χ^2/NDF: 14127144.0/99



Right In: 0.026+/-0.015 χ^2/NDF: 41.4/22

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.014 χ^2/NDF: 39.1/28

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

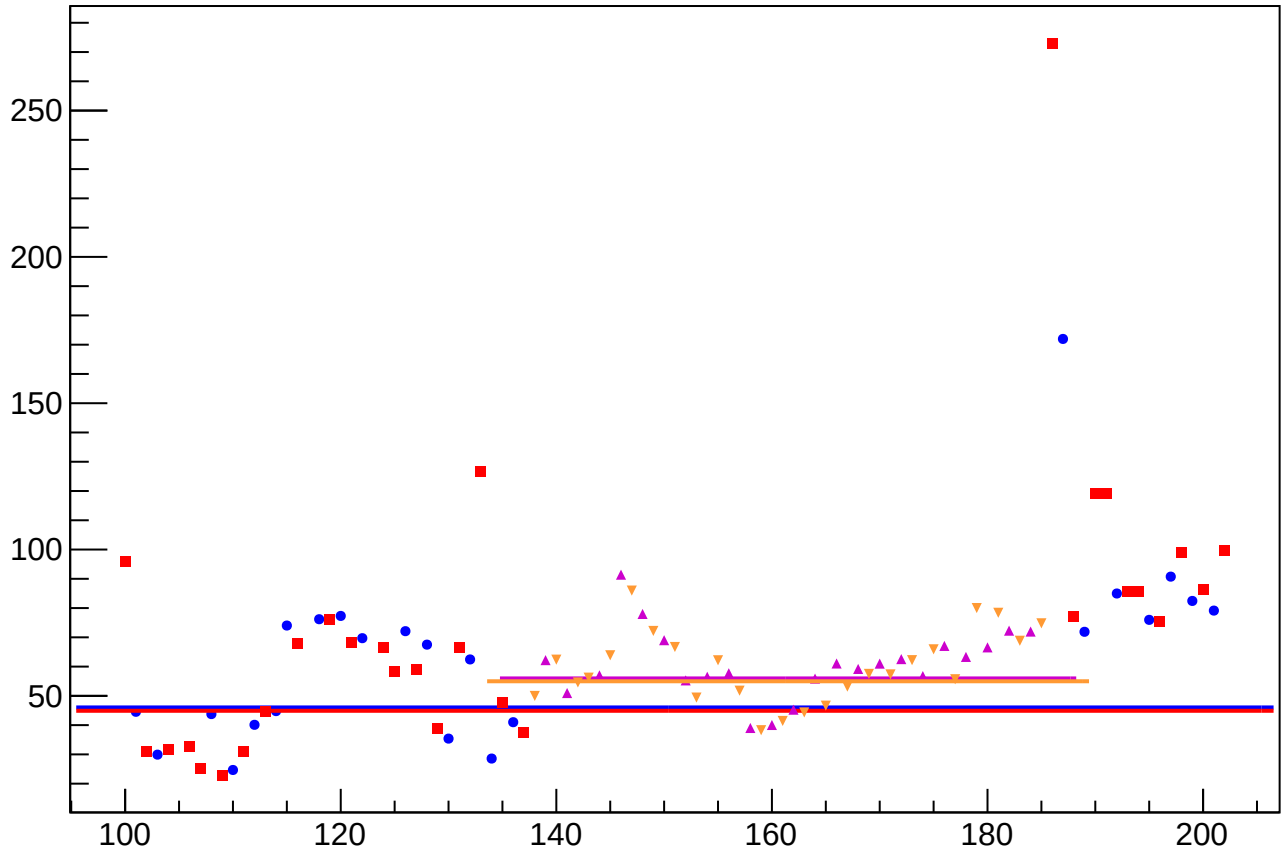
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.2/51

In: 0.008+/-0.010 χ^2/NDF:59.2/45

Out: -0.006+/-0.009 χ^2/NDF:65.3/53

All: 0.001+/-0.007 χ^2/NDF: 125.6/99



Right In: 46.044+/-0.010 χ^2/NDF: 3920432.8/22

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 44.902+/-0.010 χ^2/NDF: 6327693.4/28

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

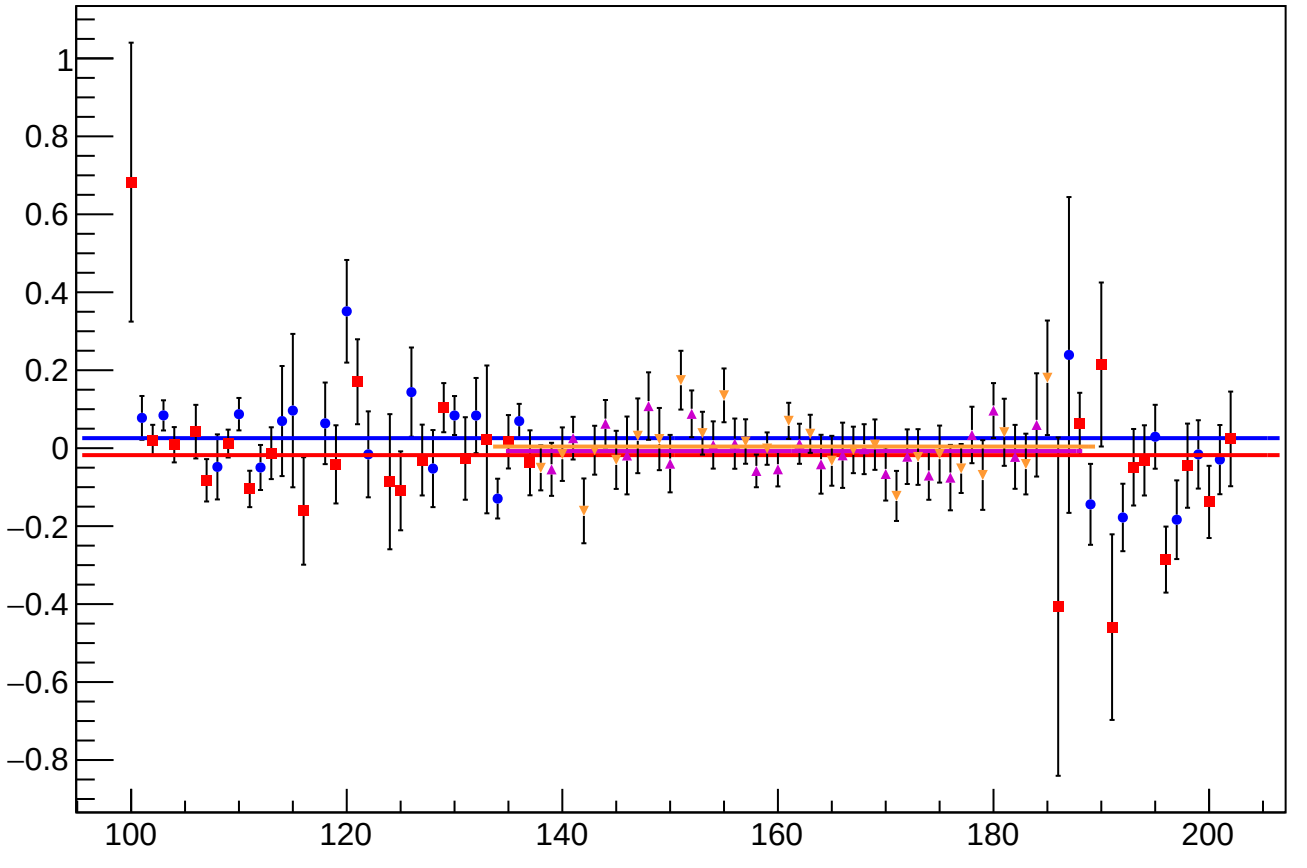
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 45.439+/-0.007 χ^2/NDF: 10254525.1/51

In: 51.412+/-0.007 χ^2/NDF:5819530.0/45

Out: 50.278+/-0.007 χ^2/NDF:8460397.8/53

All: 50.816+/-0.005 χ^2/NDF: 14293578.6/99



Right In: 0.026+/-0.015 χ^2/NDF: 41.4/22

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.014 χ^2/NDF: 39.1/28

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

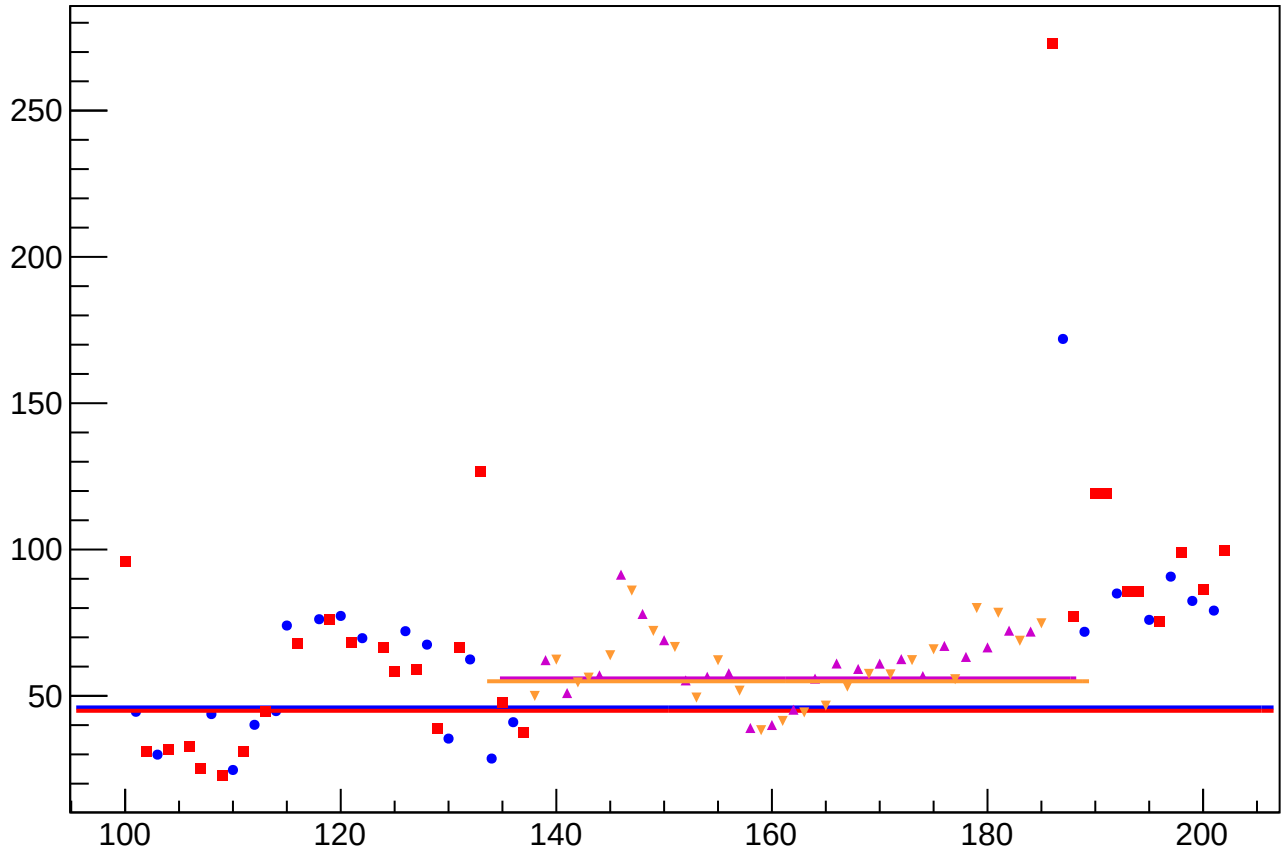
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.2/51

In: 0.008+/-0.010 χ^2/NDF:59.2/45

Out: -0.006+/-0.009 χ^2/NDF:65.3/53

All: 0.001+/-0.007 χ^2/NDF: 125.6/99



Right In: 46.044+/-0.010 χ^2/NDF: 3920432.8/22

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 44.902+/-0.010 χ^2/NDF: 6327693.4/28

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

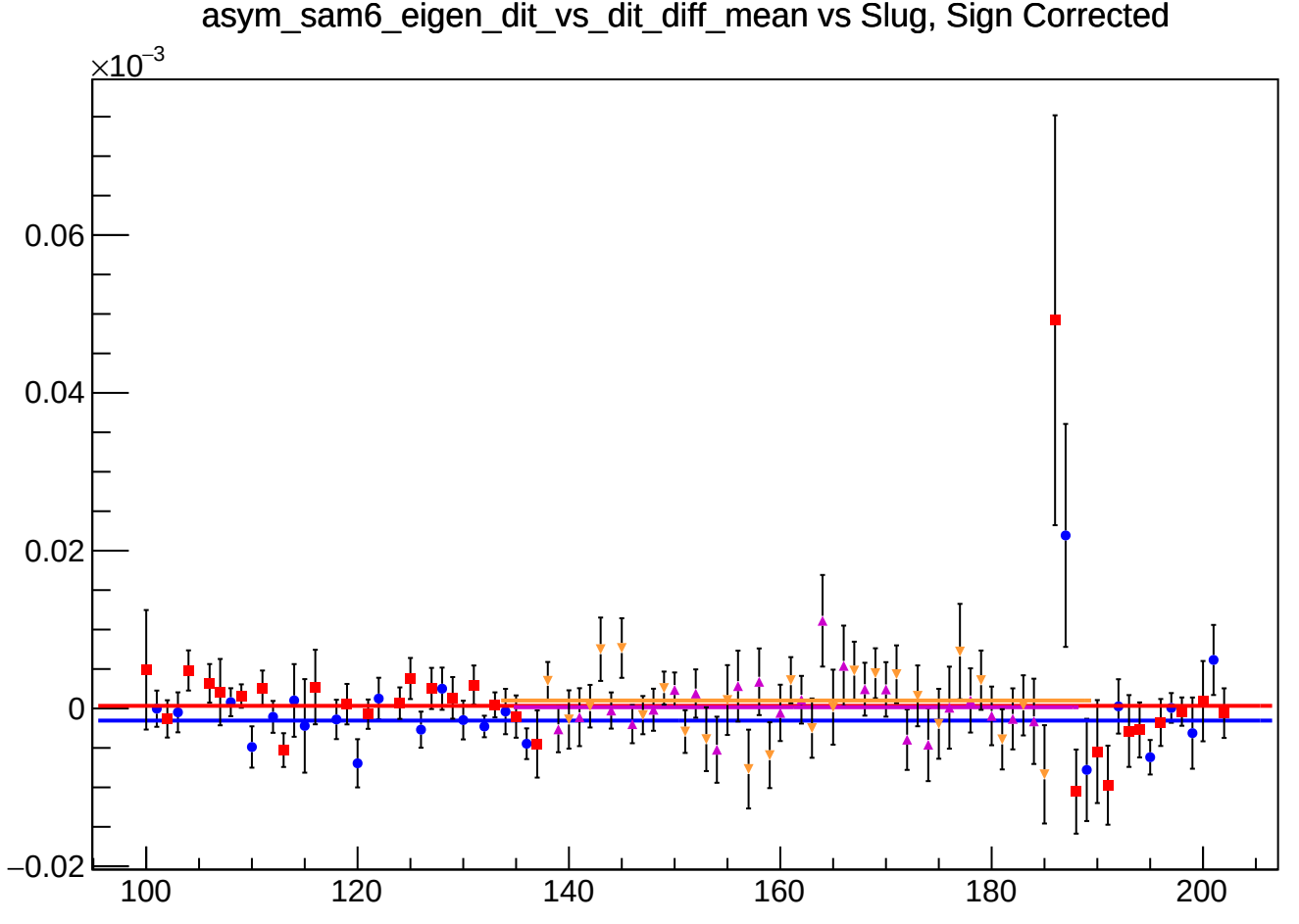
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 45.439+/-0.007 χ^2/NDF: 10254525.1/51

In: 51.412+/-0.007 χ^2/NDF:5819530.0/45

Out: 50.278+/-0.007 χ^2/NDF:8460397.8/53

All: 50.816+/-0.005 χ^2/NDF: 14293578.6/99



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/28

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

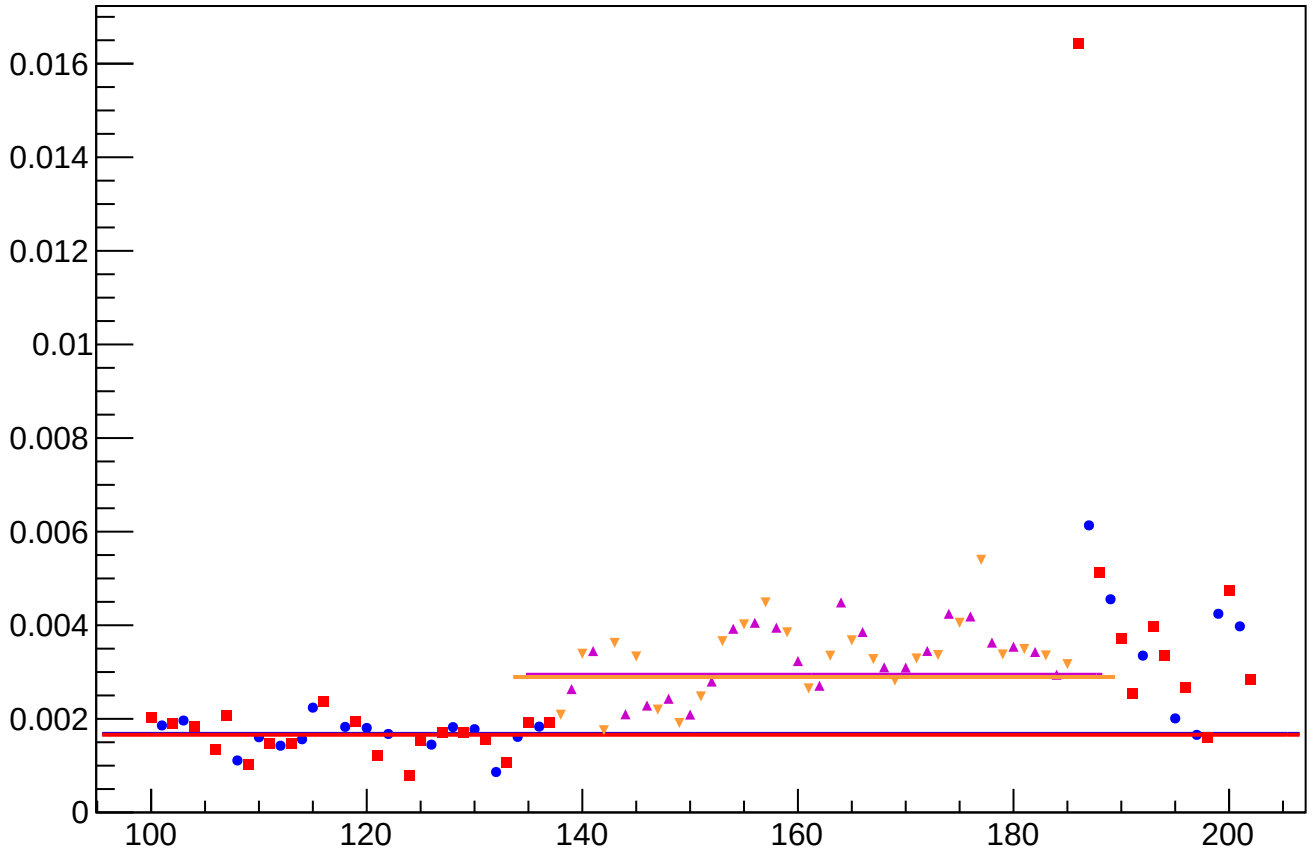
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 67.6/51

In: -0.000+/-0.000 χ^2/NDF:43.9/45

Out: 0.000+/-0.000 χ^2/NDF:63.8/53

All: -0.000+/-0.000 χ^2/NDF: 114.4/99



Right In: 0.002+/-0.000 χ^2/NDF: 3355599.9/22

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5374337.8/28

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

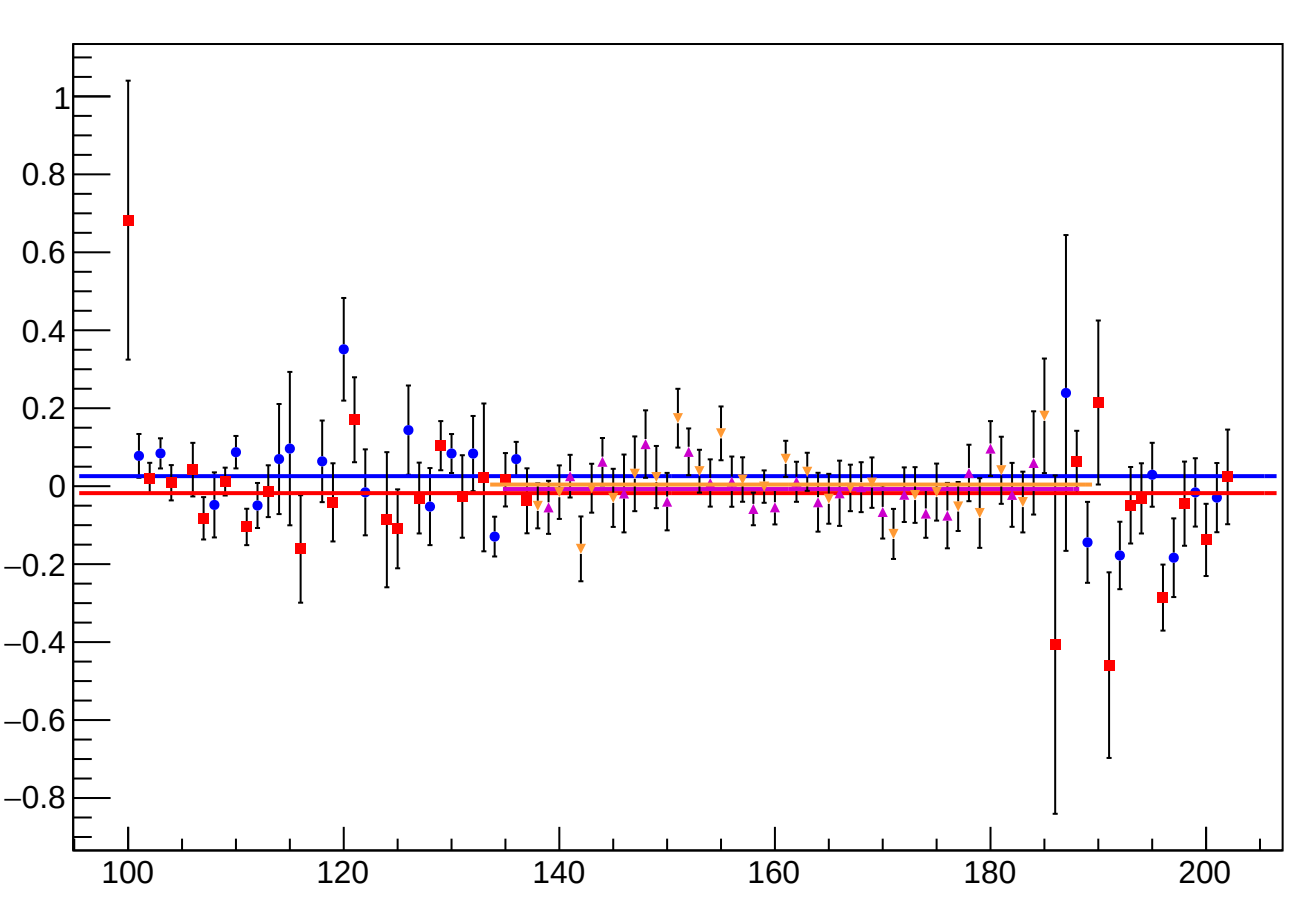
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 8731222.2/51

In: 0.002+/-0.000 χ^2/NDF:9356945.7/45

Out: 0.002+/-0.000 χ^2/NDF:12307043.6/53

All: 0.002+/-0.000 χ^2/NDF: 21676589.9/99



Right In: 0.026+/-0.015 χ^2/NDF: 41.4/22

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.014 χ^2/NDF: 39.1/28

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

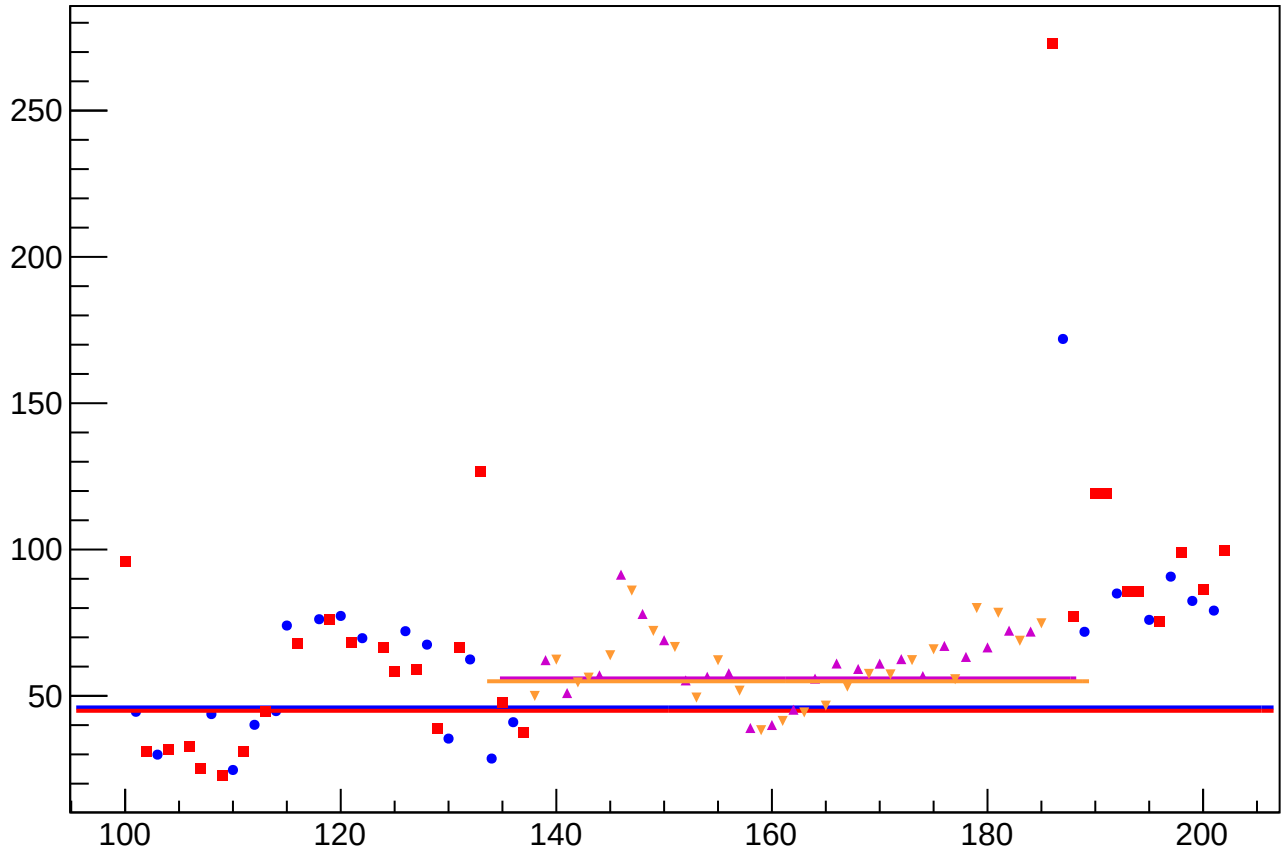
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.2/51

In: 0.008+/-0.010 χ^2/NDF:59.2/45

Out: -0.006+/-0.009 χ^2/NDF:65.3/53

All: 0.001+/-0.007 χ^2/NDF: 125.6/99



Right In: 46.043+/-0.010 χ^2/NDF: 3920521.8/22

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 44.901+/-0.010 χ^2/NDF: 6327687.7/28

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

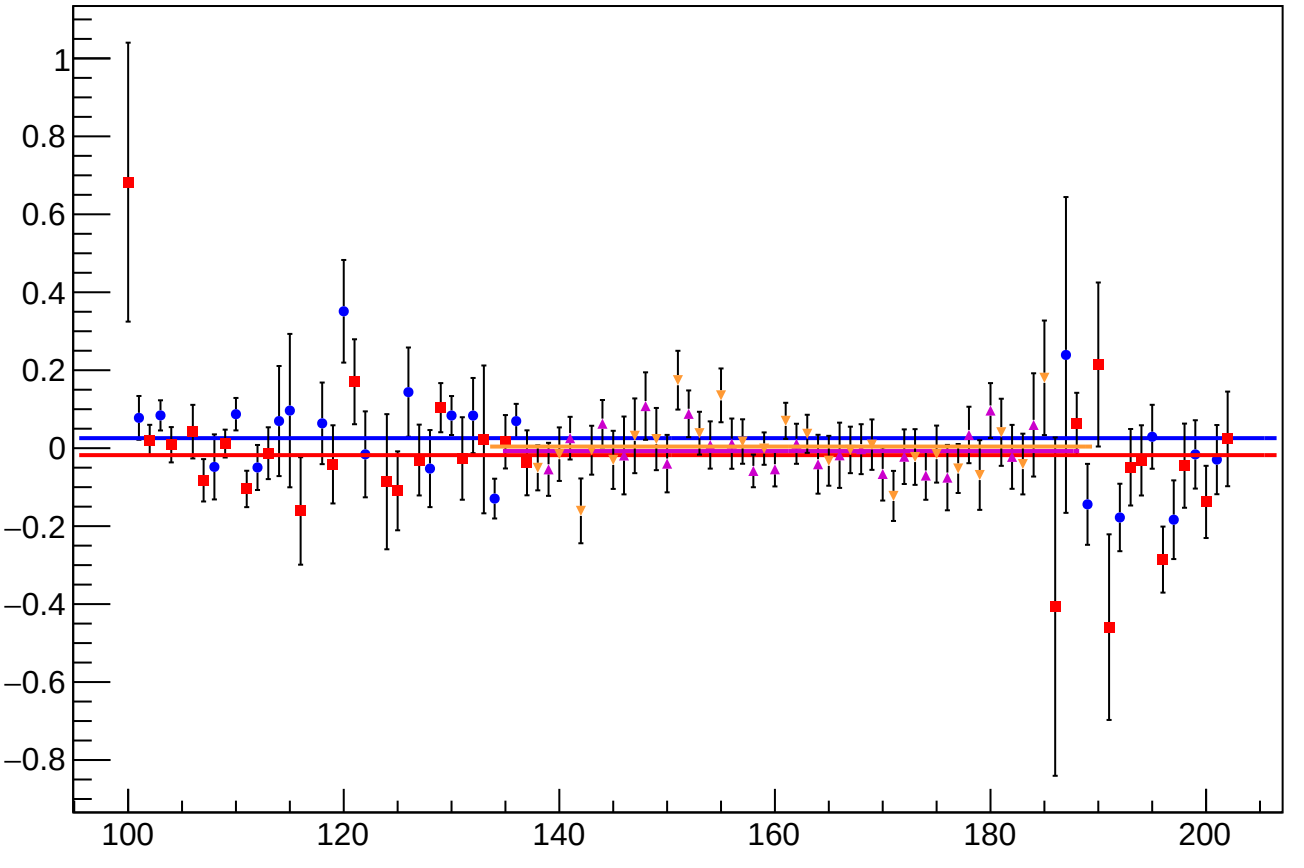
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 45.438+/-0.007 χ^2/NDF: 10254605.7/51

In: 51.411+/-0.007 χ^2/NDF:5819742.0/45

Out: 50.277+/-0.007 χ^2/NDF:8460451.2/53

All: 50.816+/-0.005 χ^2/NDF: 14293839.1/99



Right In: 0.026+/-0.015 χ^2/NDF: 41.4/22

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.014 χ^2/NDF: 39.1/28

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

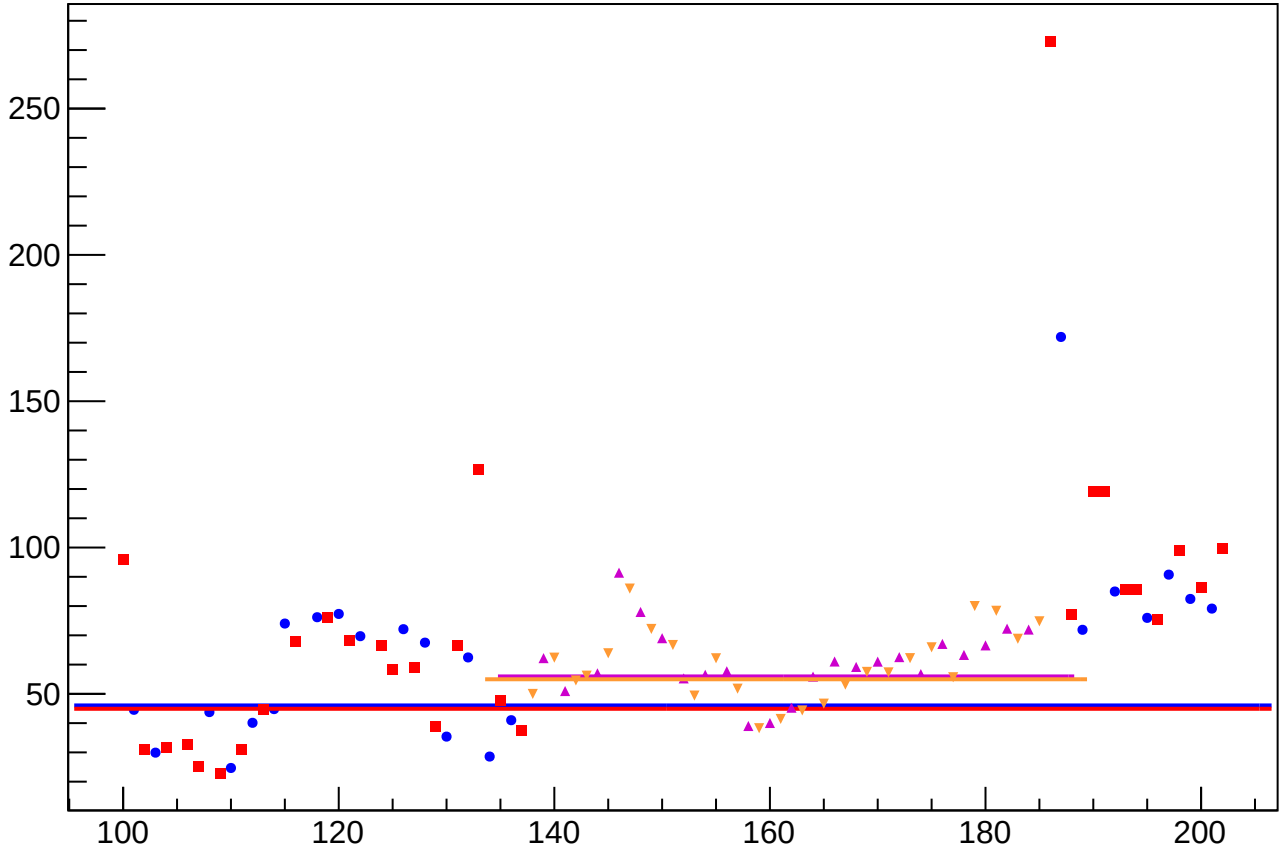
Right: 0.003+/-0.010 χ^2/NDF: 85.2/51

In: 0.008+/-0.010 χ^2/NDF:59.2/45

Out: -0.006+/-0.009 χ^2/NDF:65.3/53

All: 0.001+/-0.007 χ^2/NDF: 125.6/99

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.043+/-0.010 χ^2/NDF: 3920521.8/22

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 44.901+/-0.010 χ^2/NDF: 6327687.7/28

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

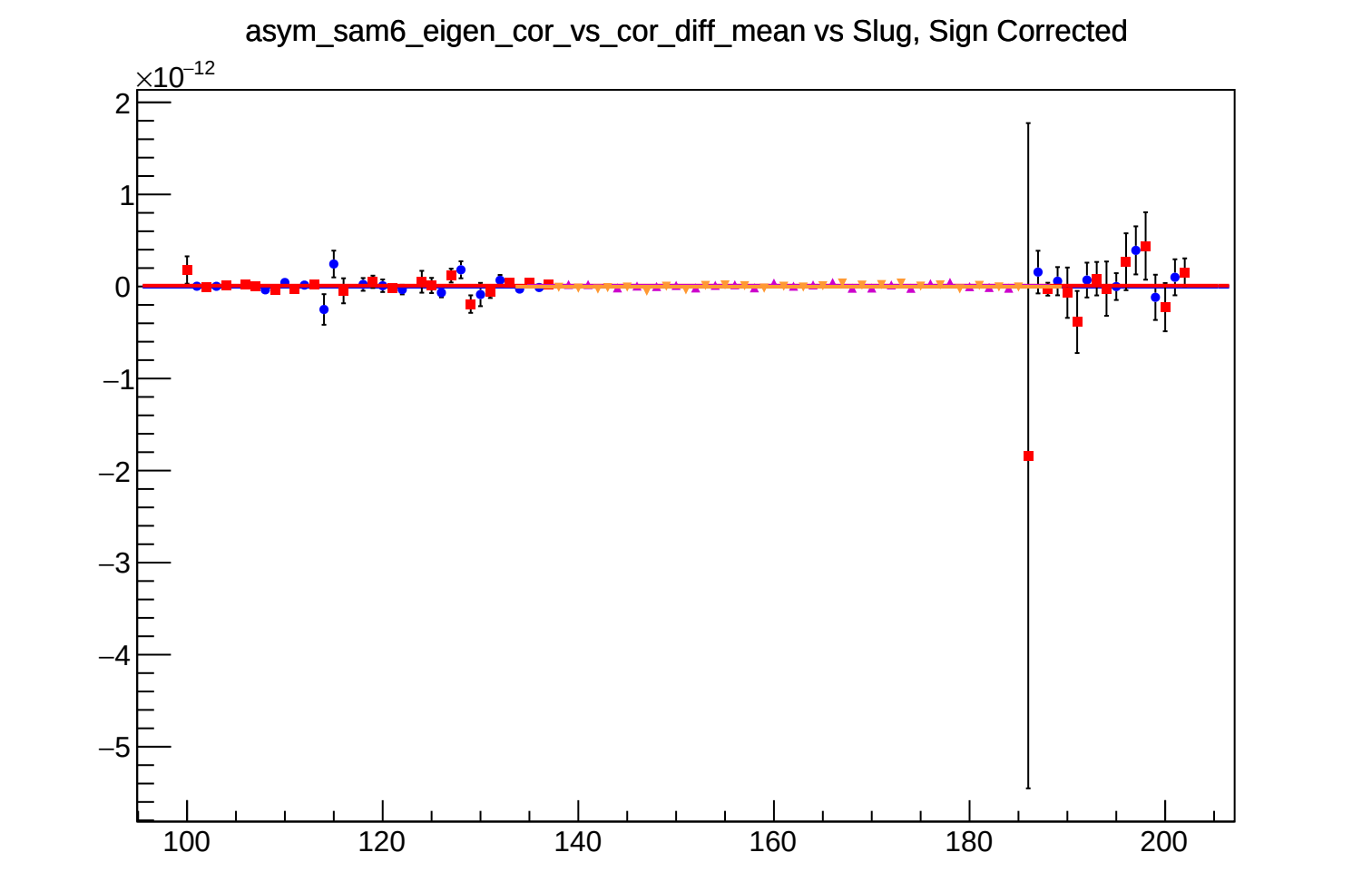
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 45.438+/-0.007 χ^2/NDF: 10254605.7/51

In: 51.411+/-0.007 χ^2/NDF:5819742.0/45

Out: 50.277+/-0.007 χ^2/NDF:8460451.2/53

All: 50.816+/-0.005 χ^2/NDF: 14293839.1/99



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/28

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

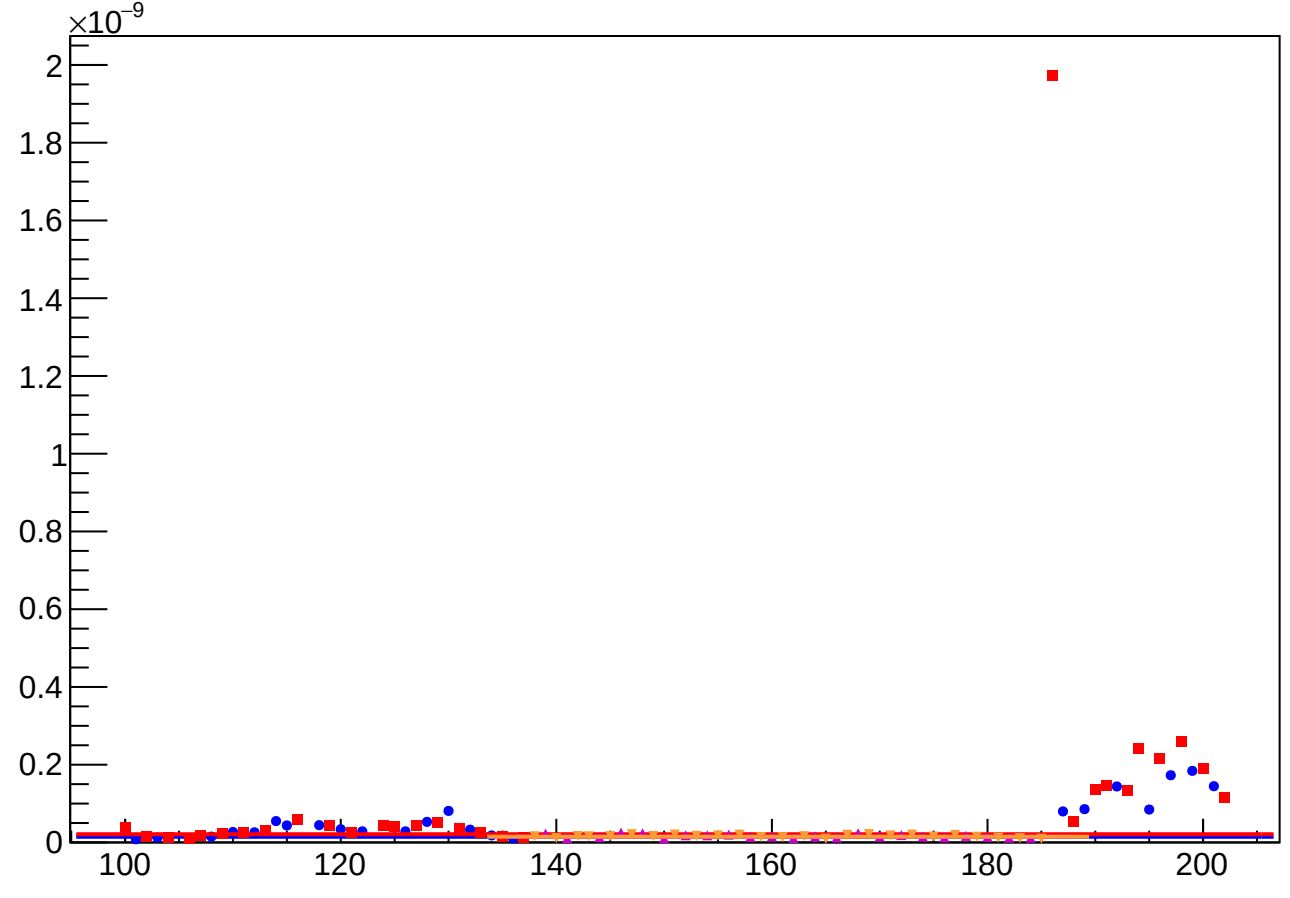
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 42.9/51

In: 0.000+/-0.000 χ^2/NDF:43.4/45

Out: -0.000+/-0.000 χ^2/NDF:42.4/53

All: 0.000+/-0.000 χ^2/NDF: 86.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 7786136.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8953139.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

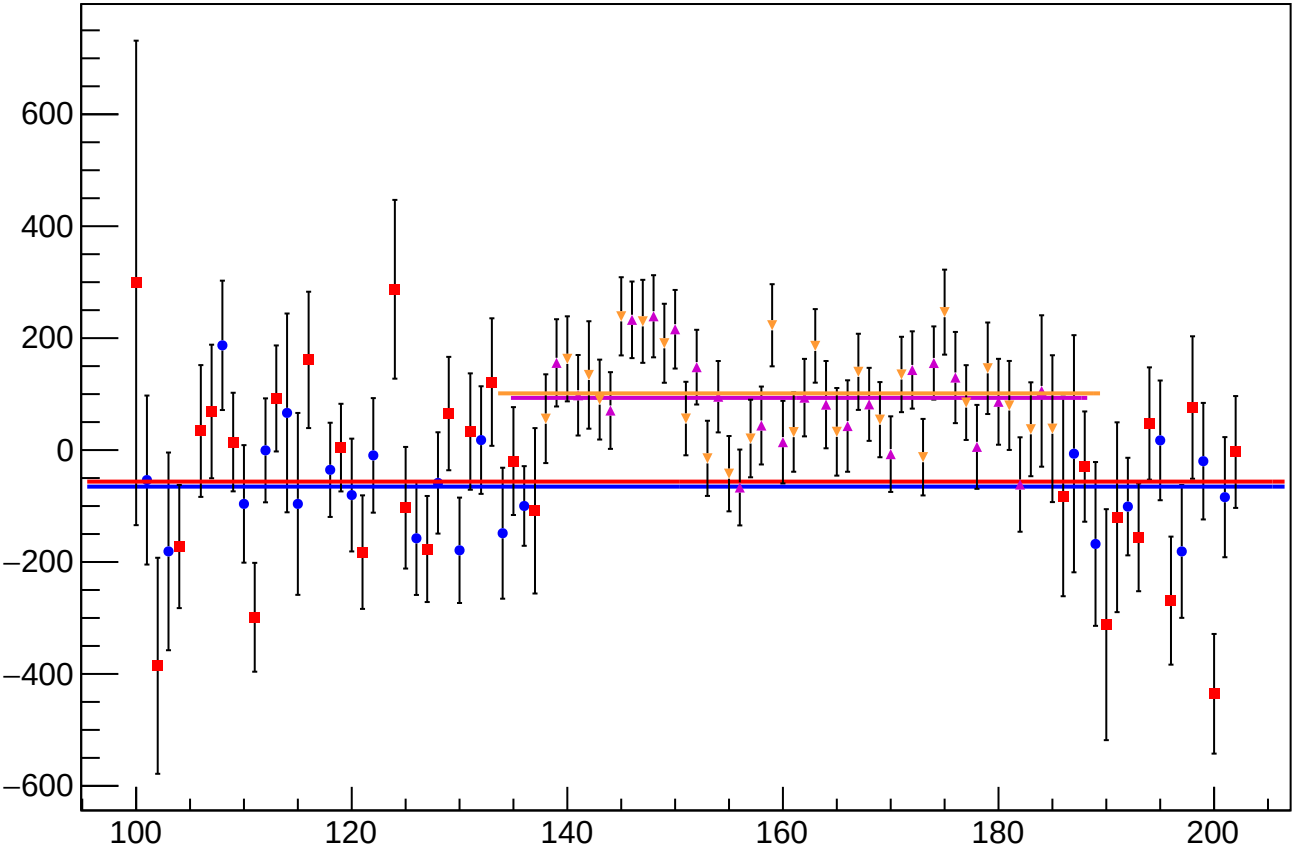
Right: 0.000+/-0.000 χ^2/NDF: 17389182.2/51

In: 0.000+/-0.000 χ^2/NDF:9216267.5/45

Out: 0.000+/-0.000 χ^2/NDF:11194729.0/53

All: 0.000+/-0.000 χ^2/NDF: 20487059.7/99

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -65.323+/-22.298 χ^2/NDF: 13.1/22

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -56.343+/-20.796 χ^2/NDF: 53.7/28

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

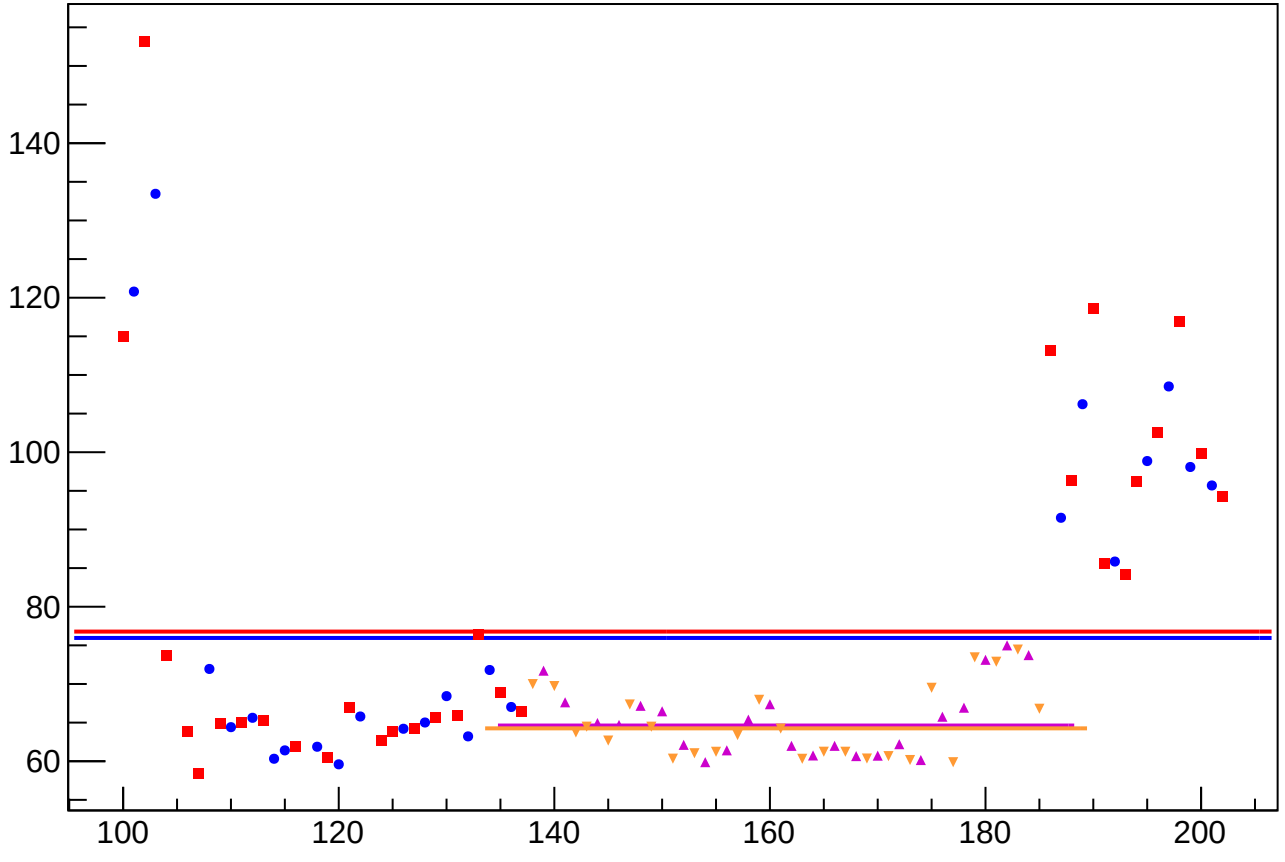
Right: -60.520+/-15.208 χ^2/NDF: 66.8/51

In: 43.219+/-12.524 χ^2/NDF:76.6/45

Out: 49.070+/-11.972 χ^2/NDF:126.0/53

All: 46.276+/-8.654 χ^2/NDF: 202.6/99

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.958+/-0.016 χ^2/NDF: 1259969.4/22

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.783+/-0.015 χ^2/NDF: 1571142.3/28

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

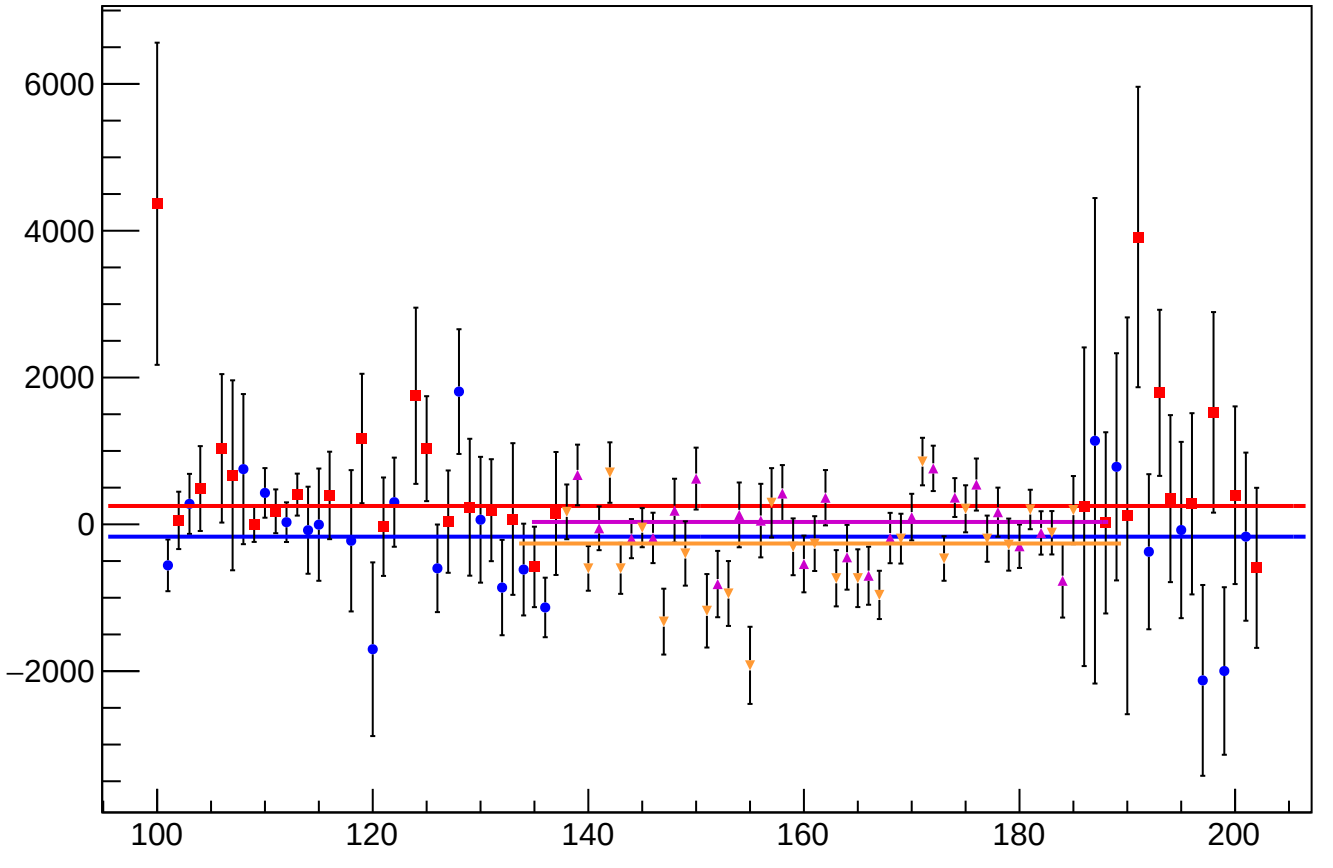
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.399+/-0.011 χ^2/NDF: 2832574.9/51

In: 68.197+/-0.009 χ^2/NDF:1761079.4/45

Out: 68.407+/-0.008 χ^2/NDF:2234057.4/53

All: 68.307+/-0.006 χ^2/NDF: 3995430.7/99



Right In: -167.955+/-121.892 χ^2/NDF: 28.0/22

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 250.166+/-113.521 χ^2/NDF: 19.2/28

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

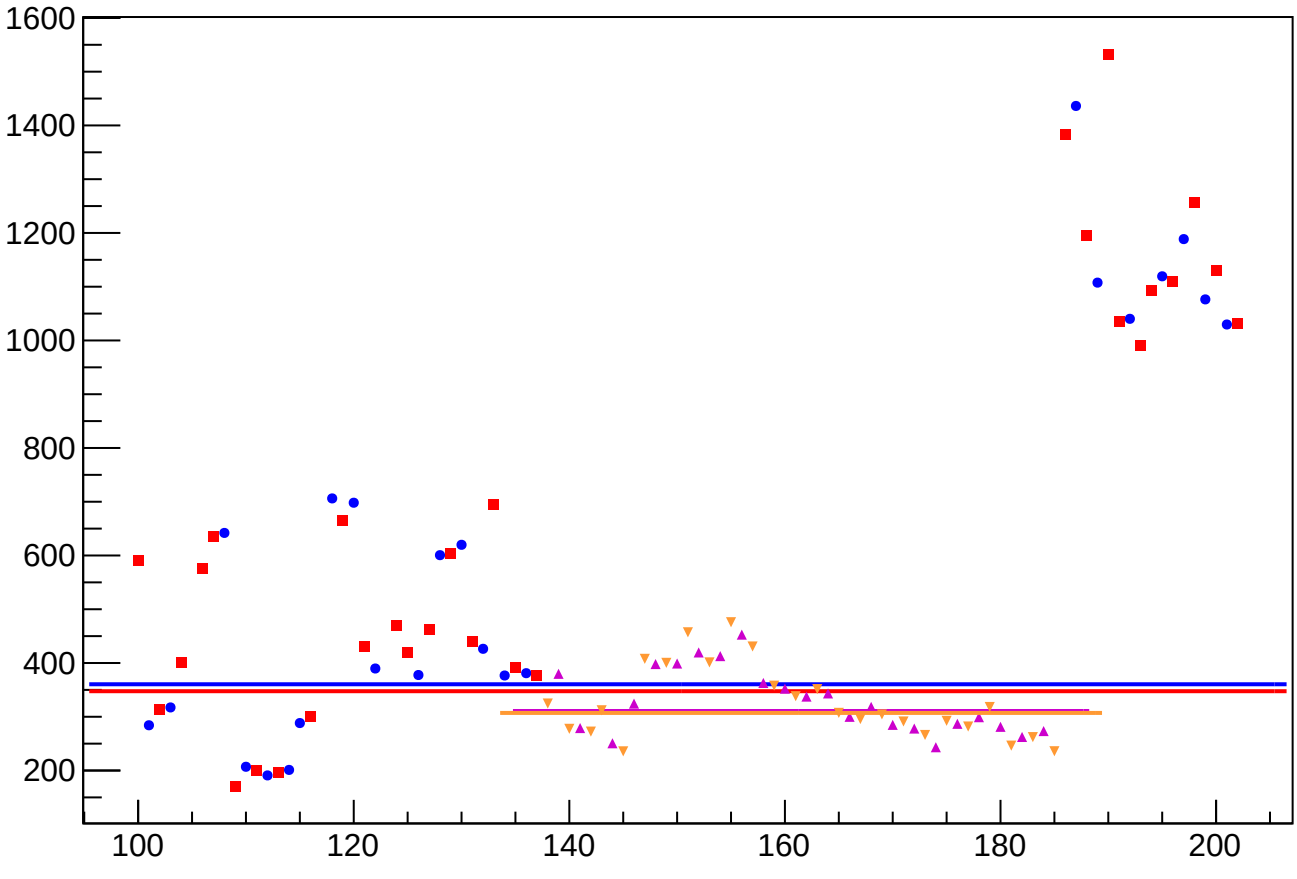
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 55.955+/-83.073 χ^2/NDF: 53.5/51

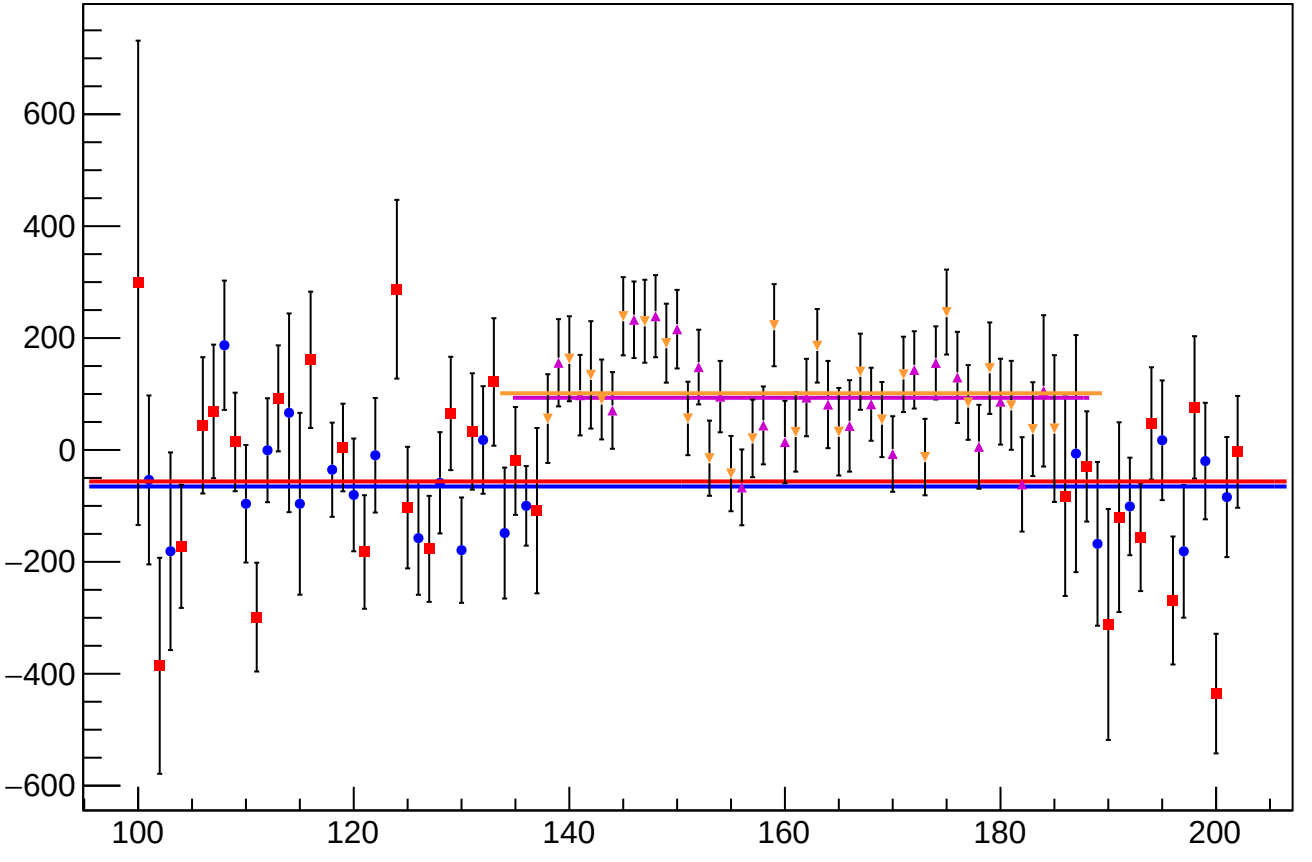
In: -21.367+/-63.154 χ^2/NDF:61.7/45

Out: -116.578+/-60.359 χ^2/NDF:92.6/53

All: -71.126+/-43.635 χ^2/NDF: 155.4/99


asym_sam7_reg_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 360.462+/-0.086 χ²/NDF: 7014302.2/22
Left Out: 307.143+/-0.050 χ²/NDF:1320151.2/24
Right Out: 347.536+/-0.080 χ²/NDF: 10005449.4/28
Left In: 310.697+/-0.052 χ²/NDF:1079476.2/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 353.540+/-0.059 χ²/NDF: 17031795.6/51
In: 324.056+/-0.045 χ²/NDF:8337650.0/45
Out: 318.562+/-0.043 χ²/NDF:11507224.9/53
All: 321.185+/-0.031 χ²/NDF: 19852784.5/99

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -65.326+/-22.298 χ^2/NDF: 13.1/22

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -56.239+/-20.817 χ^2/NDF: 53.7/28

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

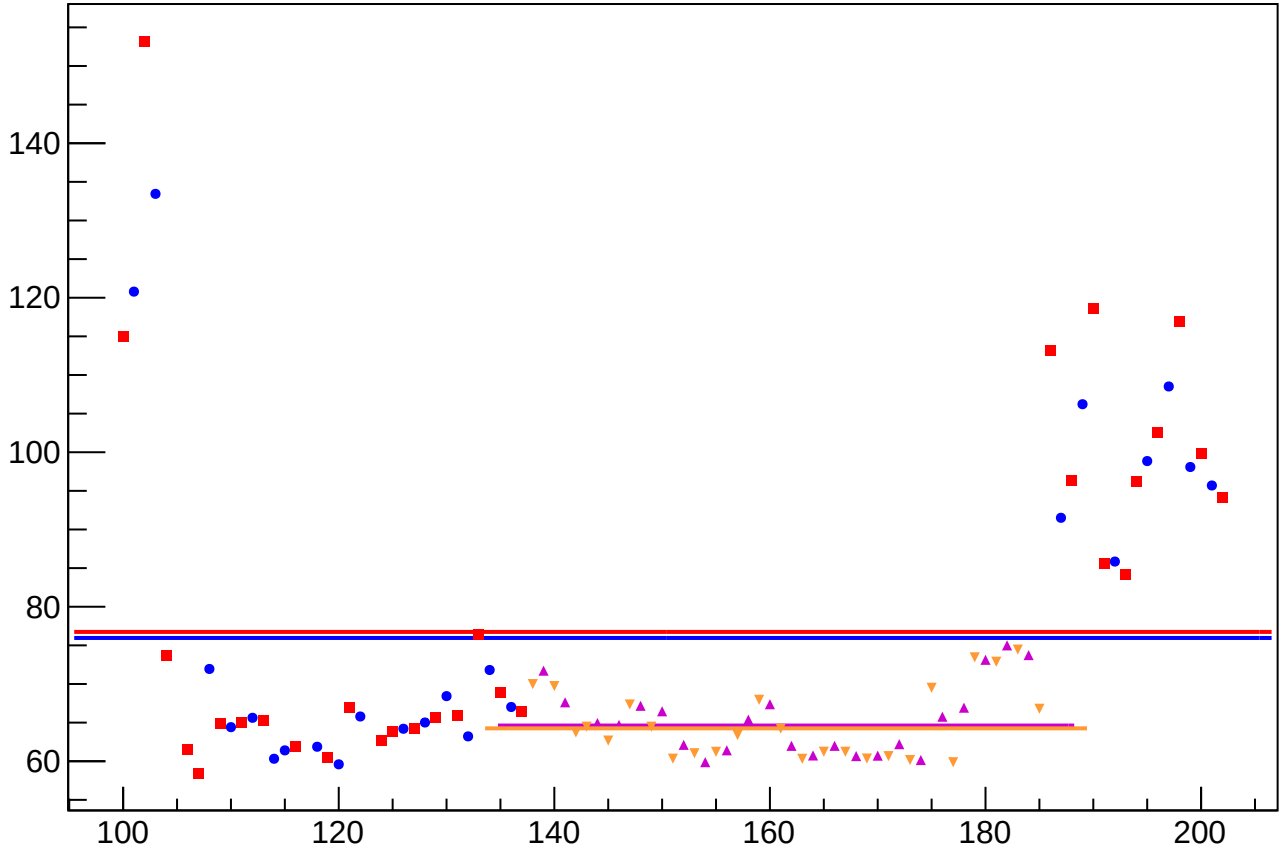
Right: -60.471+/-15.217 χ^2/NDF: 66.9/51

In: 43.217+/-12.524 χ^2/NDF:76.6/45

Out: 49.176+/-11.976 χ^2/NDF:126.0/53

All: 46.330+/-8.655 χ^2/NDF: 202.6/99

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.958+/-0.016 χ^2/NDF: 1259969.7/22

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.740+/-0.015 χ^2/NDF: 1578531.0/28

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

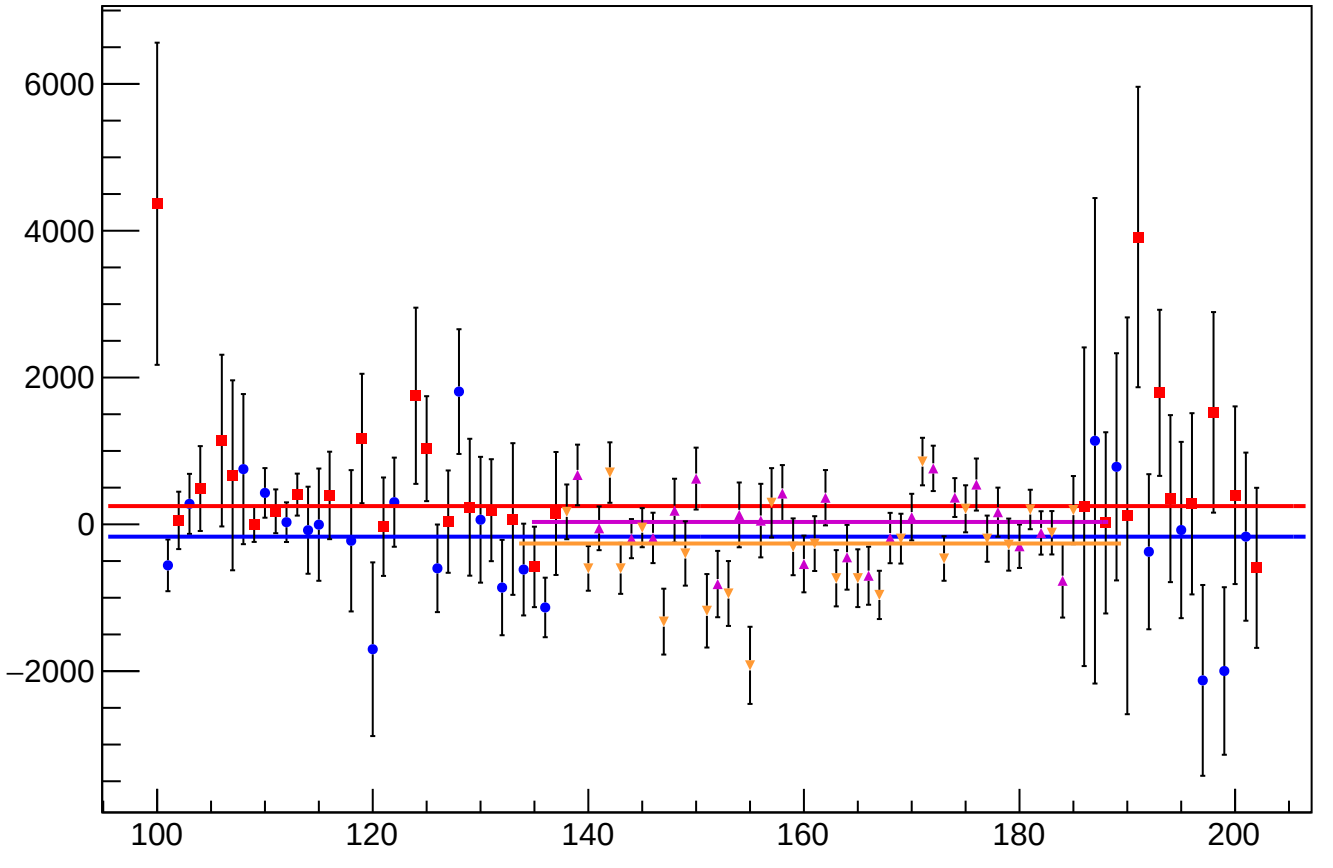
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.376+/-0.011 χ^2/NDF: 2839815.7/51

In: 68.197+/-0.009 χ^2/NDF:1761079.8/45

Out: 68.388+/-0.008 χ^2/NDF:2237496.2/53

All: 68.297+/-0.006 χ^2/NDF: 3998817.0/99



Right In: -167.952+/-121.893 χ^2/NDF: 28.0/22

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 248.673+/-113.706 χ^2/NDF: 19.2/28

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

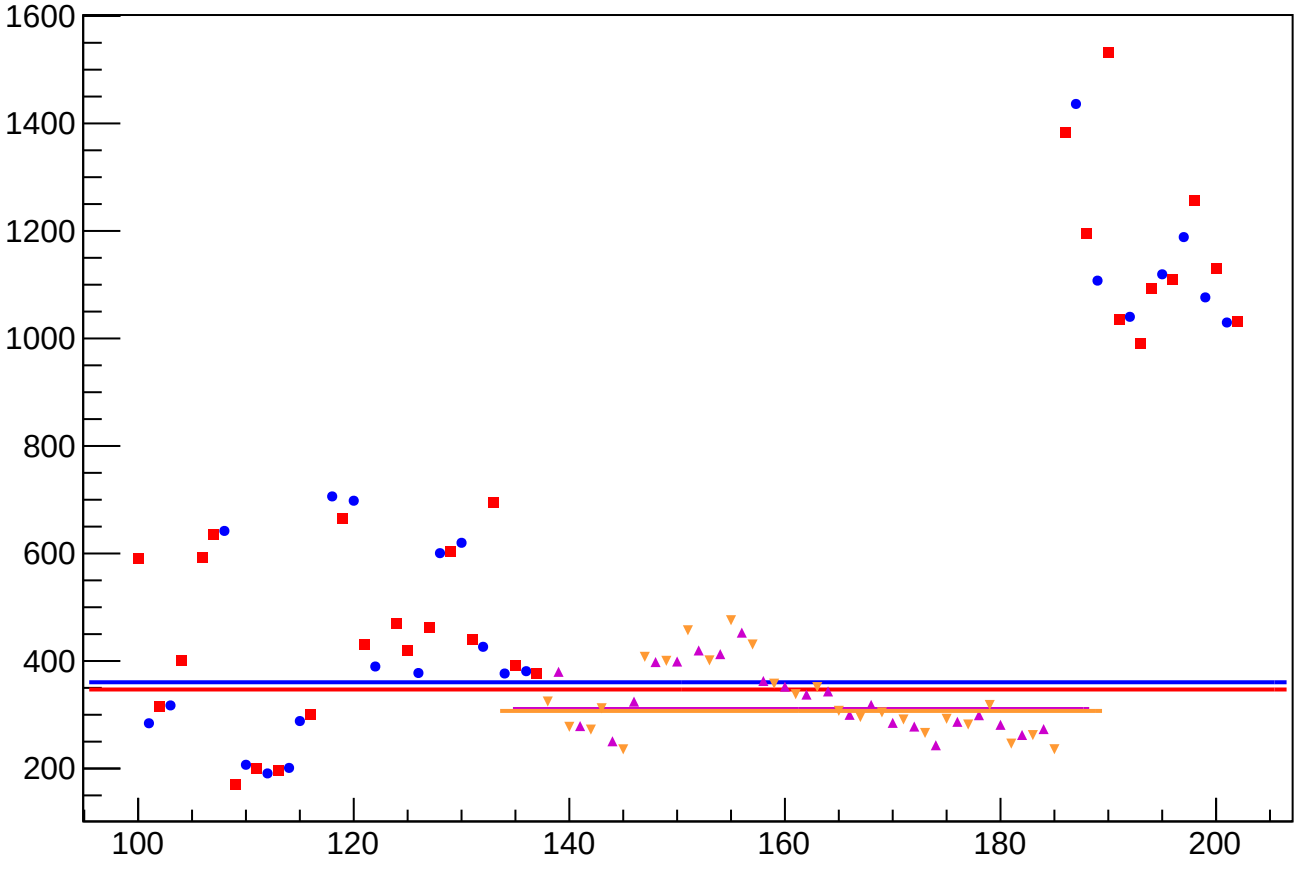
Right: 54.820+/-83.146 χ^2/NDF: 53.4/51

In: -21.368+/-63.154 χ^2/NDF:61.7/45

Out: -117.338+/-60.387 χ^2/NDF:92.4/53

All: -71.501+/-43.645 χ^2/NDF: 155.3/99

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 360.464+/-0.086 χ^2/NDF: 7014277.8/22

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 346.994+/-0.080 χ^2/NDF: 9992087.2/28

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

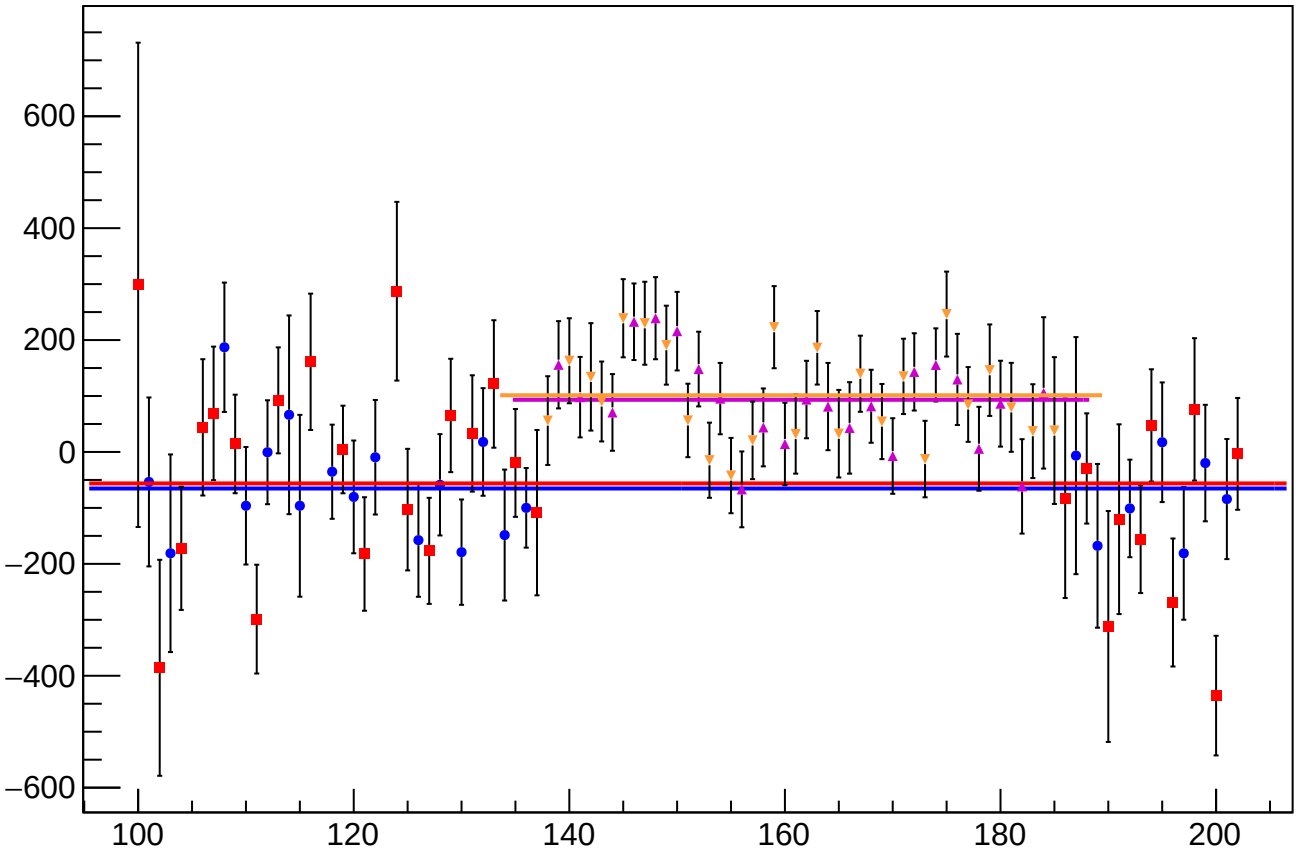
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 353.262+/-0.059 χ^2/NDF: 17019424.0/51

In: 324.057+/-0.045 χ^2/NDF:8337649.2/45

Out: 318.383+/-0.043 χ^2/NDF:11488609.6/53

All: 321.093+/-0.031 χ^2/NDF: 19834691.7/99



Right In: -65.326+/-22.298 χ^2/NDF: 13.1/22

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -56.239+/-20.817 χ^2/NDF: 53.7/28

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

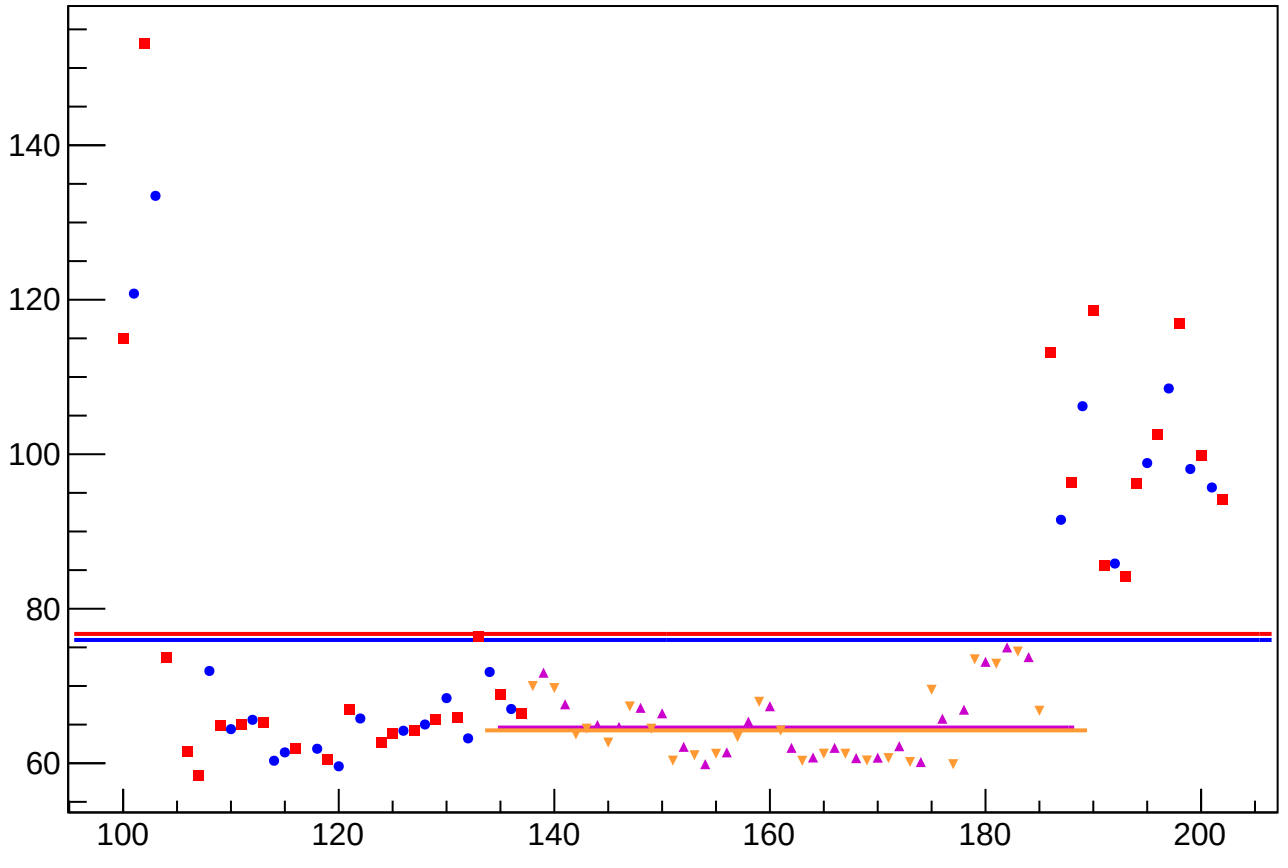
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -60.471+/-15.217 χ^2/NDF: 66.9/51

In: 43.217+/-12.524 χ^2/NDF:76.6/45

Out: 49.176+/-11.976 χ^2/NDF:126.0/53

All: 46.330+/-8.655 χ^2/NDF: 202.6/99



Right In: 75.958+/-0.016 χ^2/NDF: 1259969.7/22

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.740+/-0.015 χ^2/NDF: 1578531.0/28

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

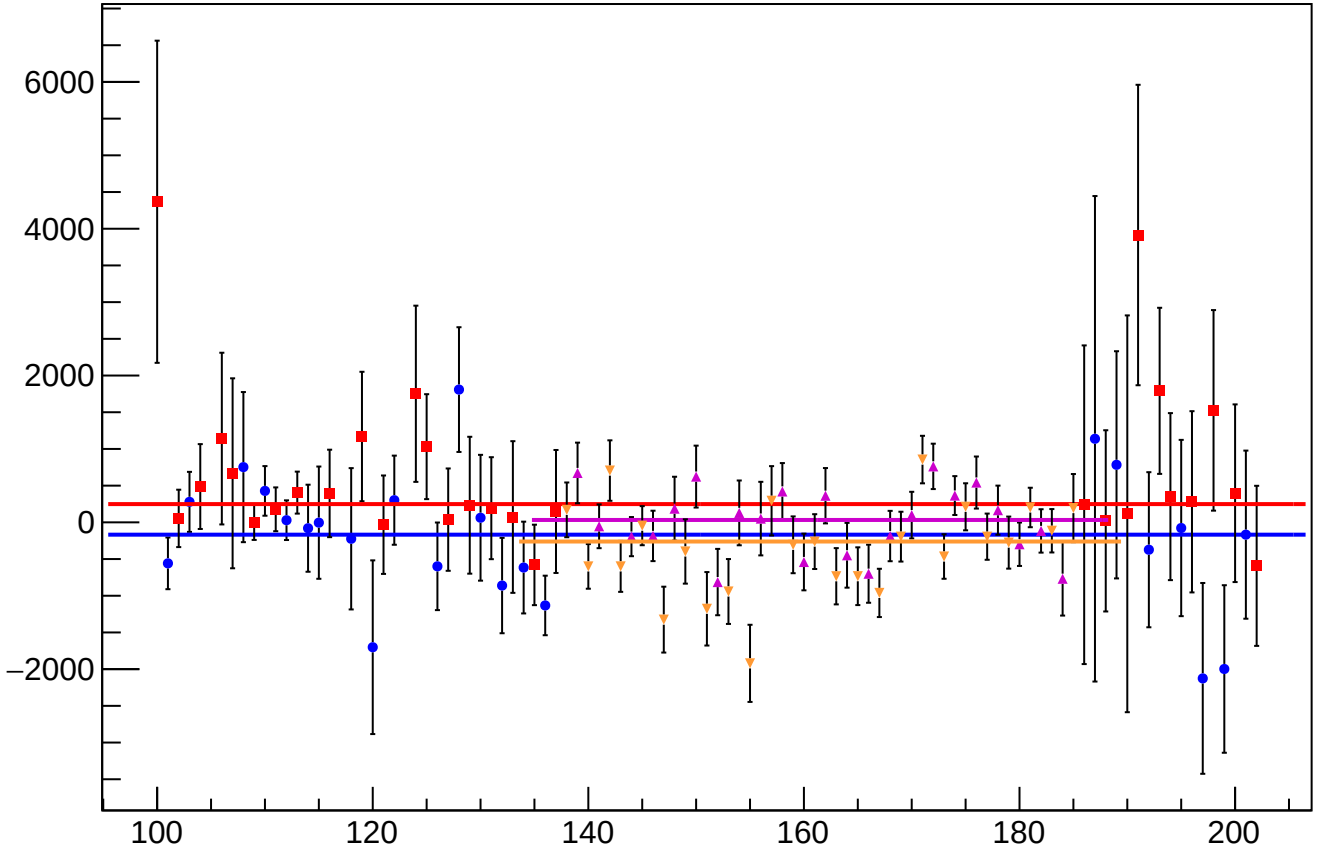
Right: 76.376+/-0.011 χ^2/NDF: 2839815.7/51

In: 68.197+/-0.009 χ^2/NDF:1761079.8/45

Out: 68.388+/-0.008 χ^2/NDF:2237496.2/53

All: 68.297+/-0.006 χ^2/NDF: 3998817.0/99

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -167.952+/-121.893 χ^2/NDF: 28.0/22

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 248.673+/-113.706 χ^2/NDF: 19.2/28

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

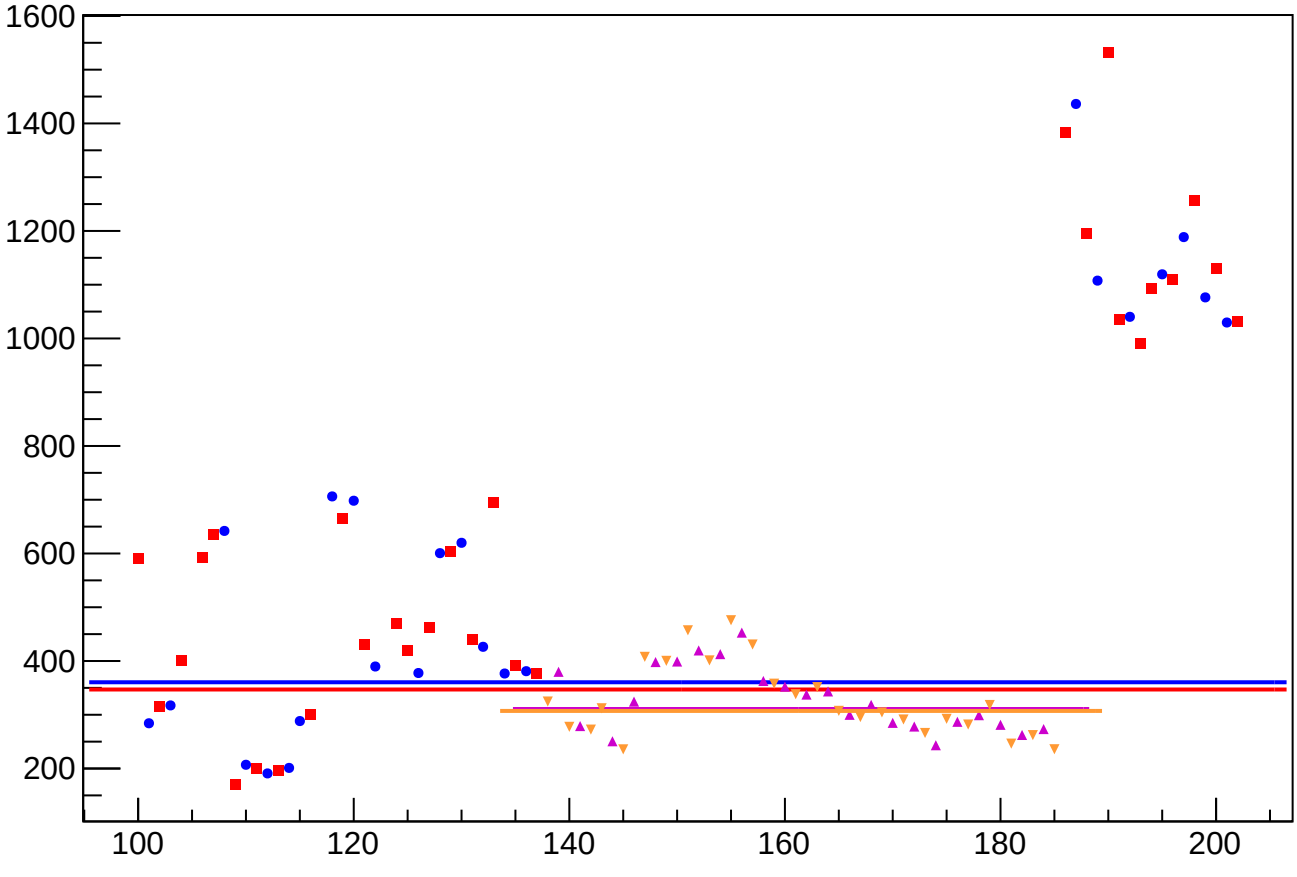
Right: 54.820+/-83.146 χ^2/NDF: 53.4/51

In: -21.368+/-63.154 χ^2/NDF:61.7/45

Out: -117.338+/-60.387 χ^2/NDF:92.4/53

All: -71.501+/-43.645 χ^2/NDF: 155.3/99

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 360.464+/-0.086 χ^2/NDF: 7014277.8/22

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 346.994+/-0.080 χ^2/NDF: 9992087.2/28

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

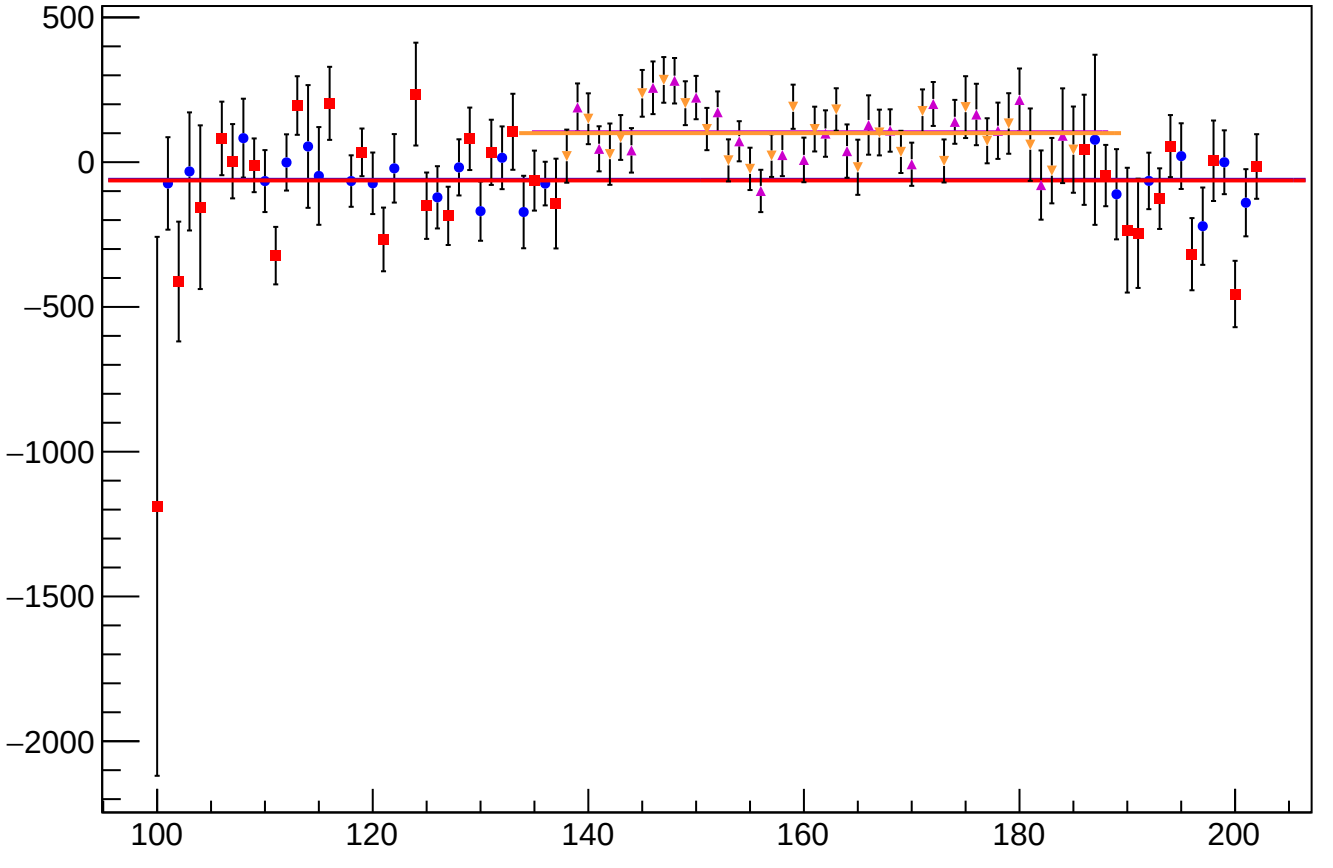
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 353.262+/-0.059 χ^2/NDF: 17019424.0/51

In: 324.057+/-0.045 χ^2/NDF:8337649.2/45

Out: 318.383+/-0.043 χ^2/NDF:11488609.6/53

All: 321.093+/-0.031 χ^2/NDF: 19834691.7/99



Right In: -60.970+/-24.141 χ^2/NDF: 7.9/22

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -63.075+/-22.649 χ^2/NDF: 58.1/28

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

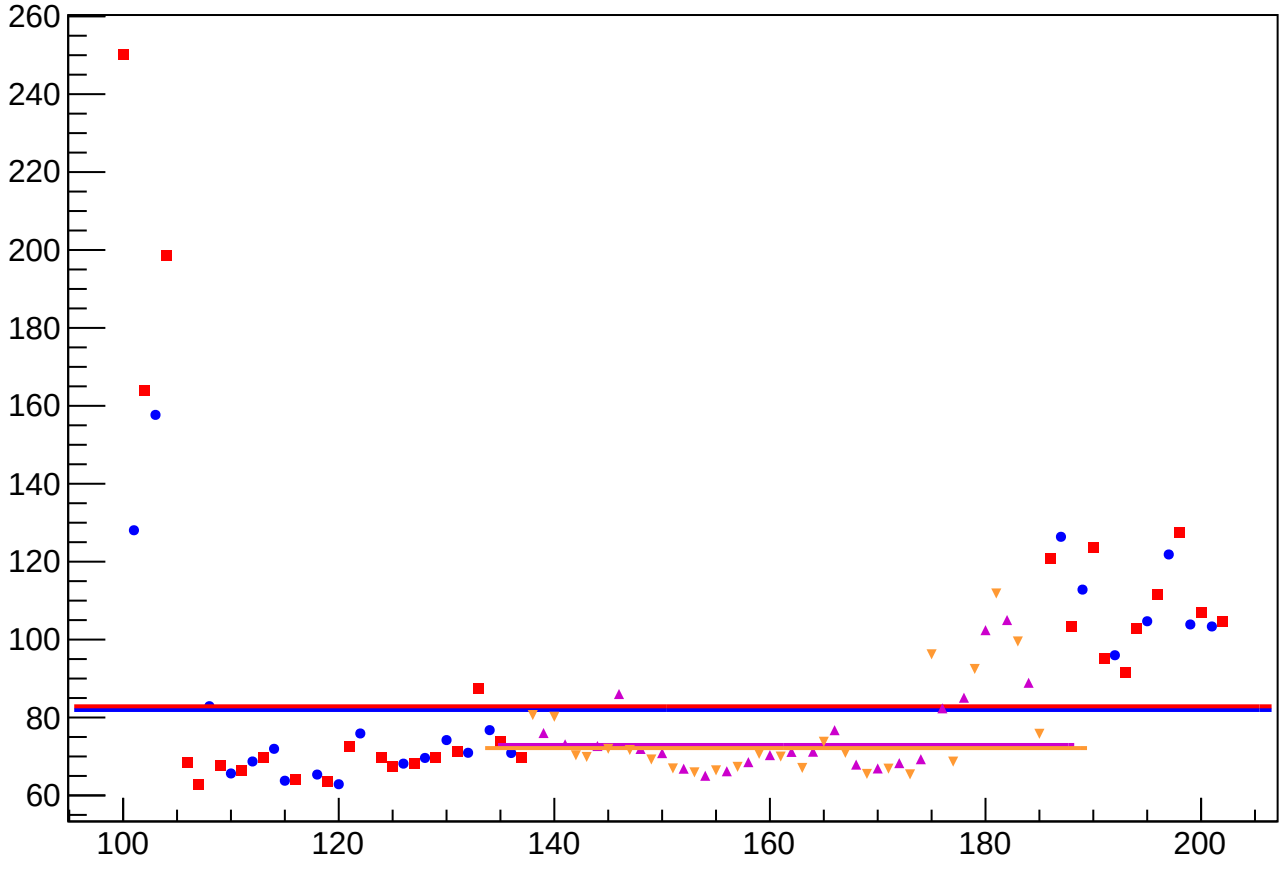
Right: -62.090+/-16.518 χ^2/NDF: 66.0/51

In: 47.774+/-14.041 χ^2/NDF:71.3/45

Out: 43.080+/-13.402 χ^2/NDF:119.6/53

All: 45.318+/-9.695 χ^2/NDF: 191.0/99

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 81.935+/-0.017 χ^2/NDF: 1409004.0/22

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 82.871+/-0.016 χ^2/NDF: 2065063.5/28

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

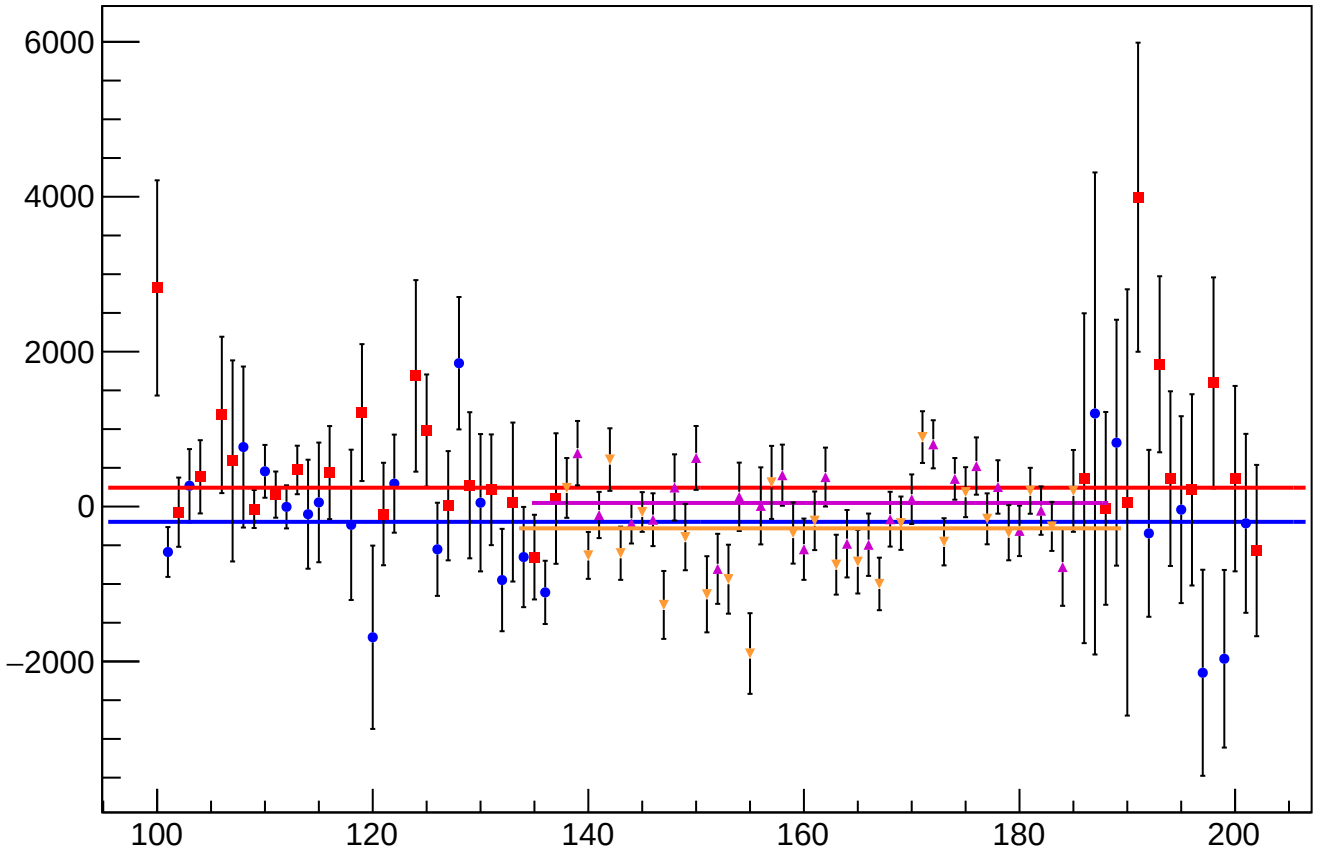
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 82.433+/-0.012 χ^2/NDF: 3475664.7/51

In: 75.988+/-0.010 χ^2/NDF:2101444.8/45

Out: 75.904+/-0.009 χ^2/NDF:2998257.5/53

All: 75.944+/-0.007 χ^2/NDF: 5099740.4/99



Right In: -197.332+/-124.281 χ^2/NDF: 27.9/22

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 243.473+/-115.606 χ^2/NDF: 20.8/28

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

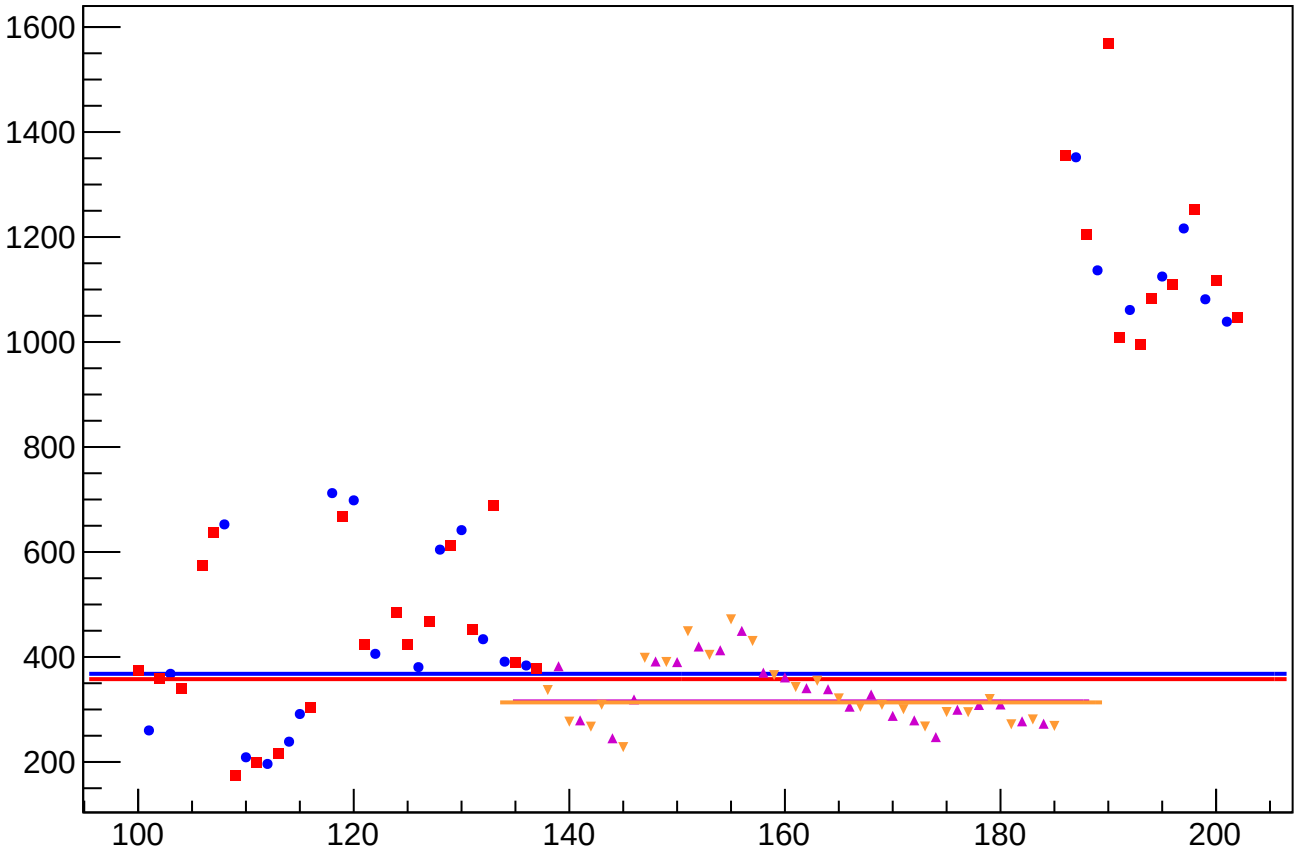
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 38.989+/-84.647 χ^2/NDF: 55.4/51

In: -18.412+/-64.149 χ^2/NDF:61.4/45

Out: -132.991+/-61.444 χ^2/NDF:92.4/53

All: -78.168+/-44.373 χ^2/NDF: 155.5/99



Right In: 367.943+/-0.088 χ^2/NDF: 6987581.4/22

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 357.808+/-0.082 χ^2/NDF: 9661680.6/28

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

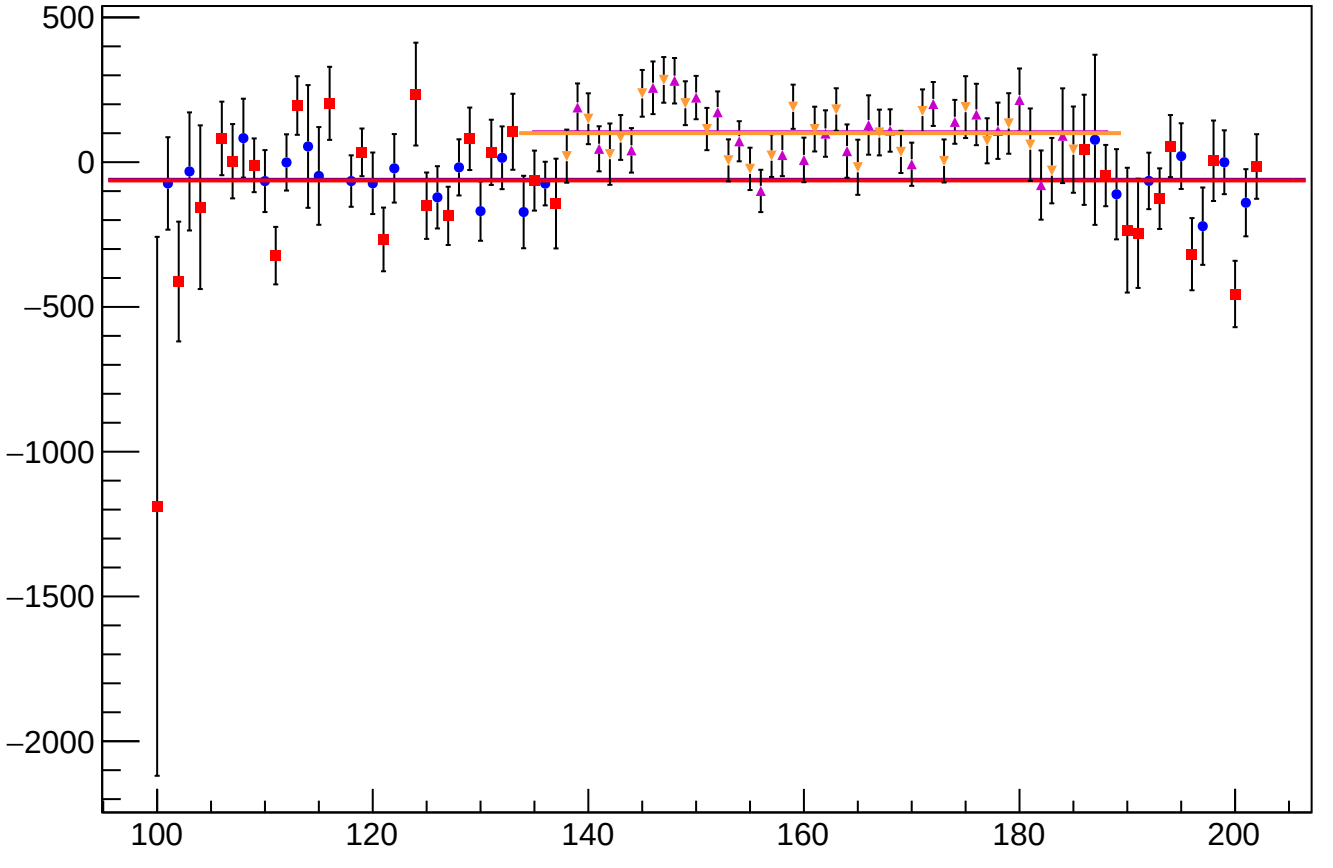
Right: 362.509+/-0.060 χ^2/NDF: 16656392.0/51

In: 329.439+/-0.045 χ^2/NDF:8257788.2/45

Out: 326.016+/-0.043 χ^2/NDF:11048003.5/53

All: 327.654+/-0.031 χ^2/NDF: 19308760.8/99

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.969+/-24.141 χ^2/NDF: 7.9/22

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -63.076+/-22.649 χ^2/NDF: 58.1/28

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

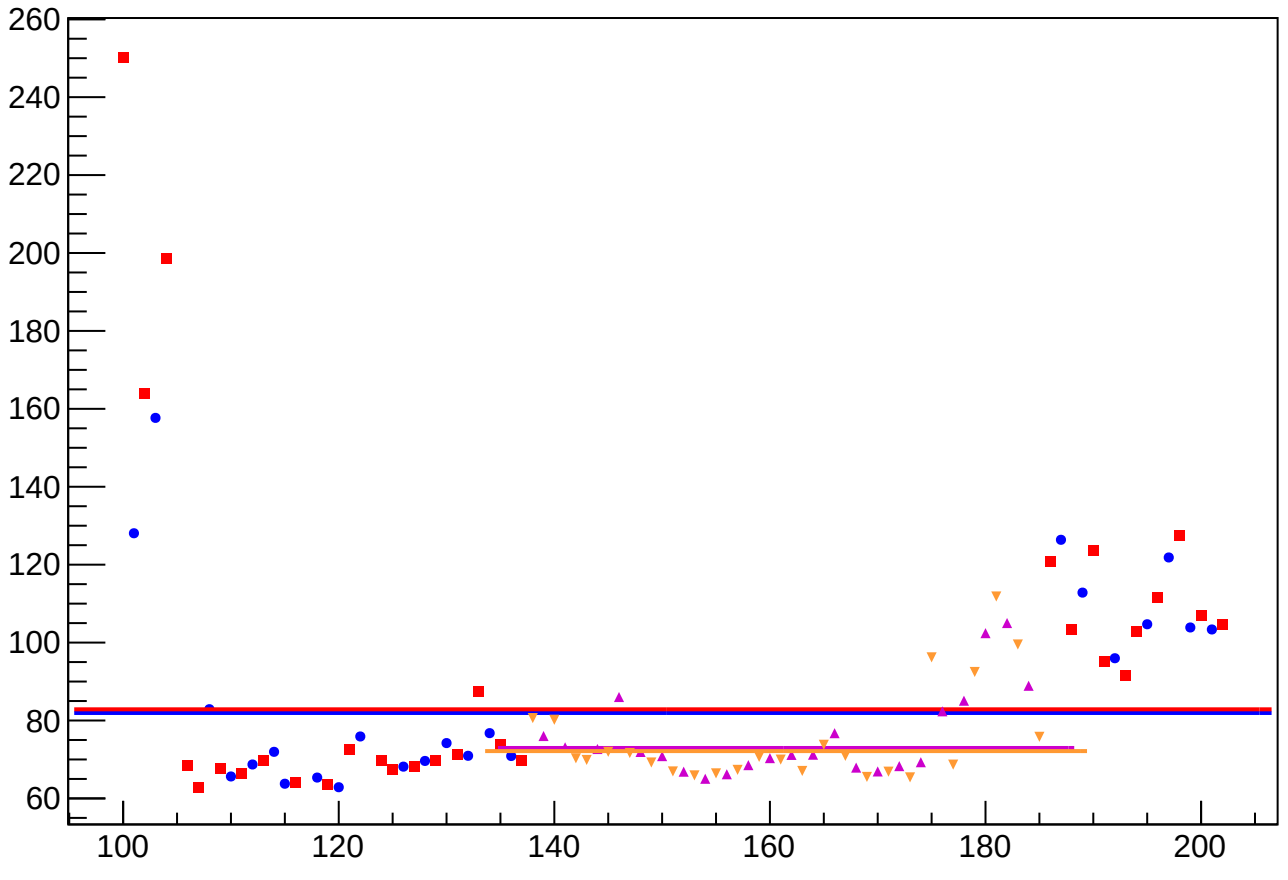
Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

Right: -62.090+/-16.518 χ^2/NDF: 66.0/51

In: 47.774+/-14.041 χ^2/NDF:71.3/45

Out: 43.080+/-13.402 χ^2/NDF:119.6/53

All: 45.318+/-9.695 χ^2/NDF: 191.0/99



Right In: 81.935+/-0.017 χ^2/NDF: 1409011.7/22

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 82.871+/-0.016 χ^2/NDF: 2065065.1/28

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

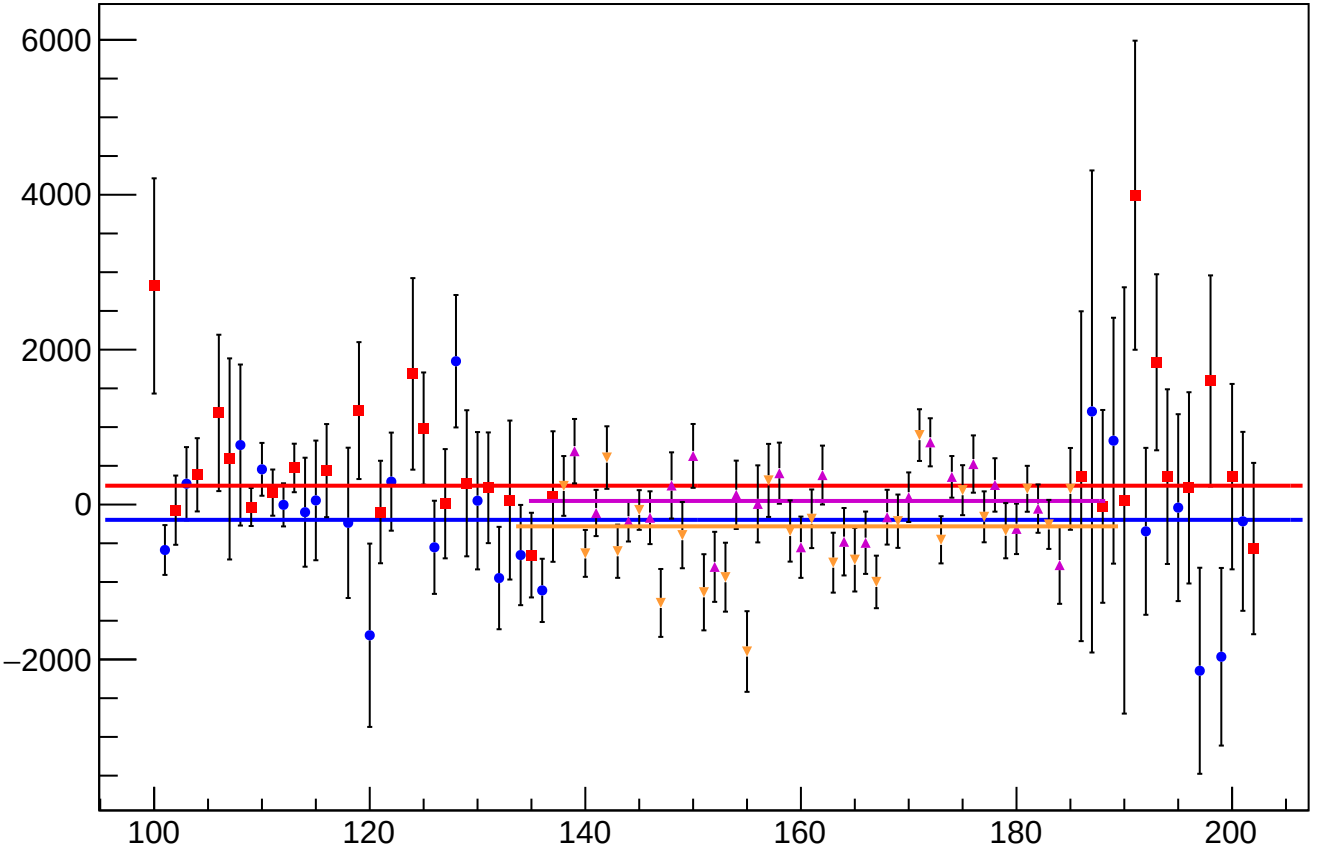
Right: 82.433+/-0.012 χ^2/NDF: 3475674.0/51

In: 75.988+/-0.010 χ^2/NDF:2101447.3/45

Out: 75.904+/-0.009 χ^2/NDF:2998249.9/53

All: 75.944+/-0.007 χ^2/NDF: 5099735.3/99

asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -197.330+/-124.280 χ^2/NDF: 27.9/22

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 243.472+/-115.606 χ^2/NDF: 20.8/28

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

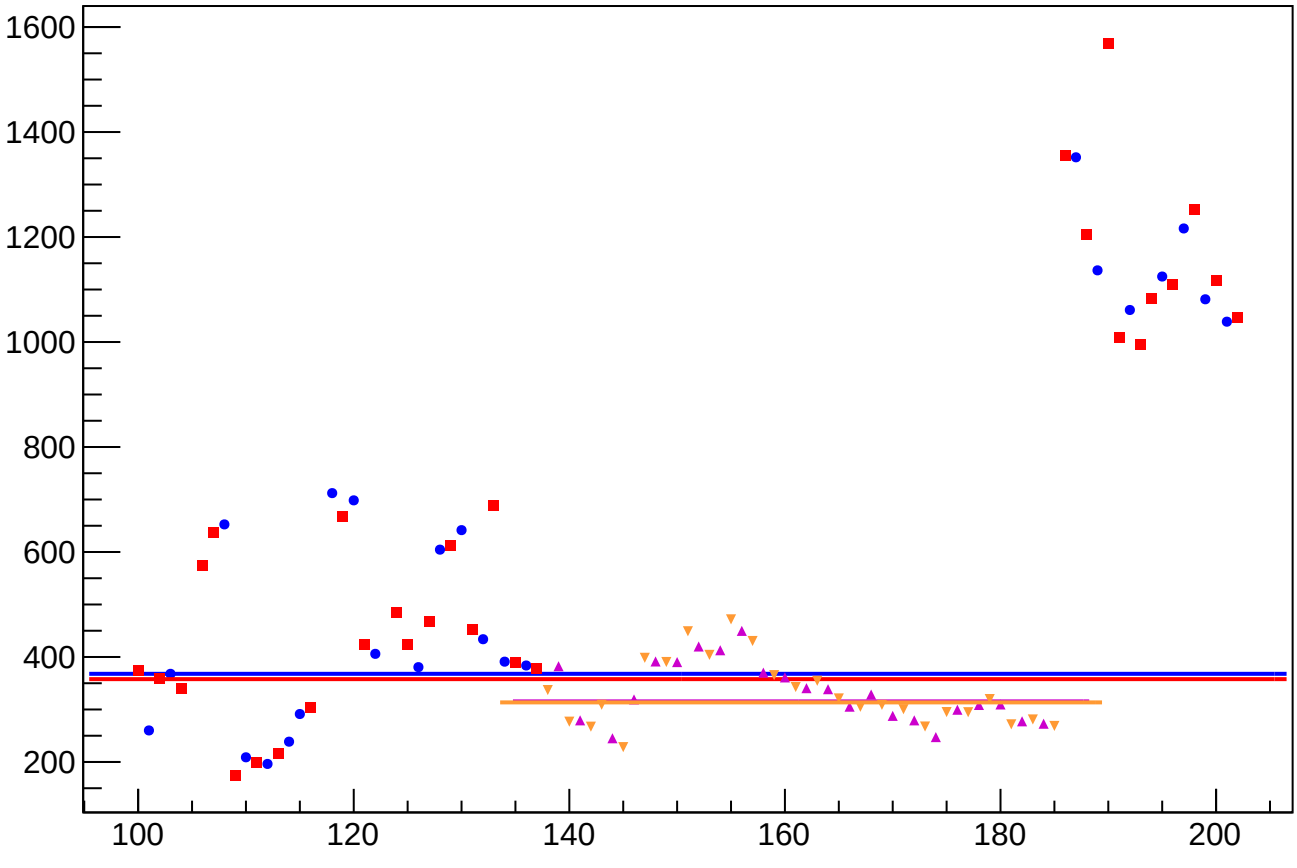
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 38.989+/-84.646 χ^2/NDF: 55.4/51

In: -18.412+/-64.149 χ^2/NDF:61.4/45

Out: -132.990+/-61.444 χ^2/NDF:92.4/53

All: -78.168+/-44.373 χ^2/NDF: 155.5/99



Right In: 367.940+/-0.088 χ^2/NDF: 6987643.2/22

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 357.806+/-0.082 χ^2/NDF: 9661717.1/28

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

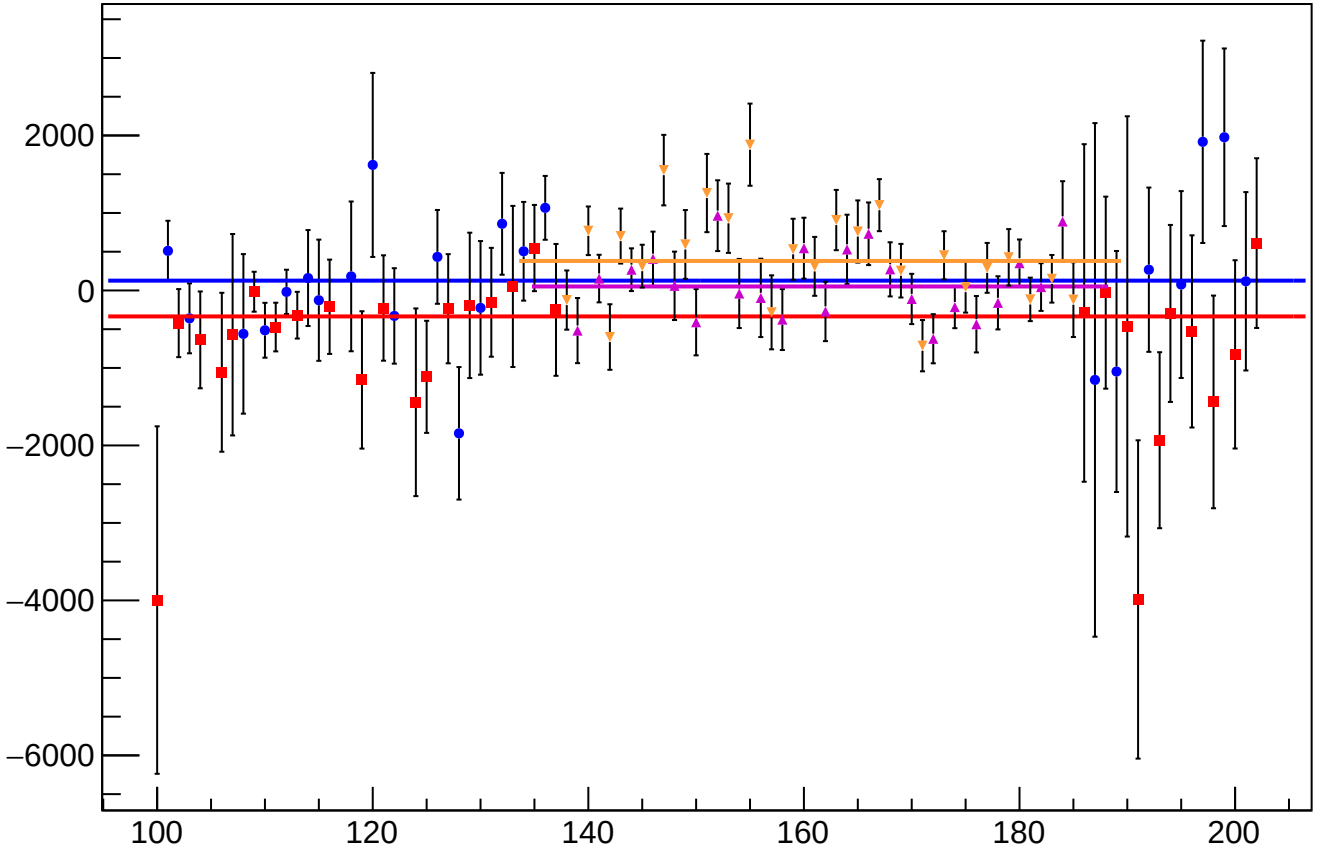
Right: 362.507+/-0.060 χ^2/NDF: 16656489.0/51

In: 329.439+/-0.045 χ^2/NDF:8257819.8/45

Out: 326.016+/-0.043 χ^2/NDF:11048028.4/53

All: 327.654+/-0.031 χ^2/NDF: 19308817.4/99

asym_sam7_mean vs Slug, Sign Corrected



Right In: 126.626+/-127.370 χ^2/NDF: 26.1/22

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -335.108+/-119.019 χ^2/NDF: 17.7/28

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

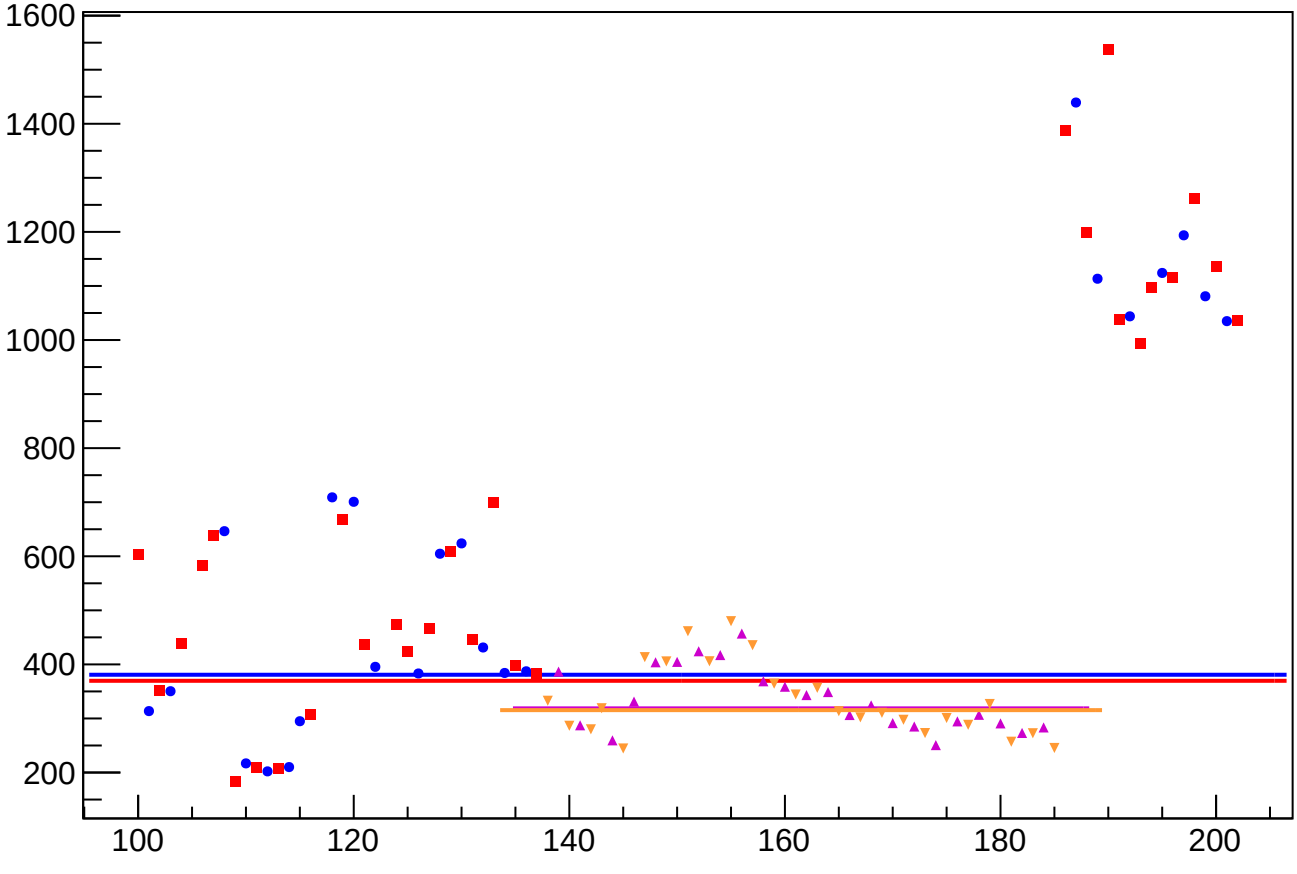
Right: -119.873+/-86.962 χ^2/NDF: 50.8/51

In: 71.064+/-65.029 χ^2/NDF:54.6/45

Out: 184.752+/-62.263 χ^2/NDF:99.4/53

All: 130.378+/-44.973 χ^2/NDF: 155.5/99

asym_sam7_rms vs Slug, Sign Corrected



Right In: 380.852+/-0.090 χ^2/NDF: 6630354.6/22

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 369.661+/-0.084 χ^2/NDF: 9490410.4/28

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

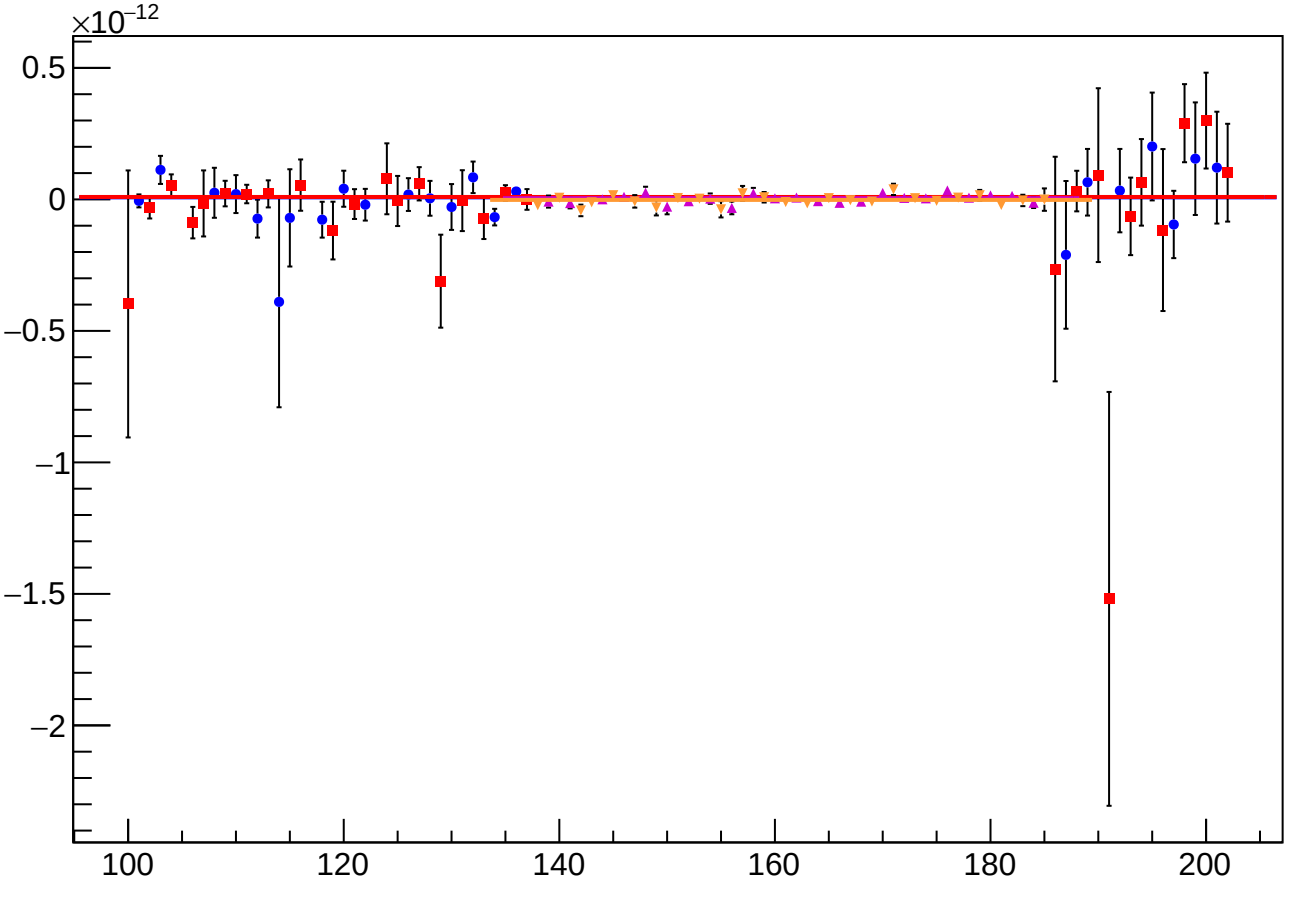
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 374.878+/-0.061 χ^2/NDF: 16129007.1/51

In: 334.892+/-0.046 χ^2/NDF:7974173.7/45

Out: 330.246+/-0.044 χ^2/NDF:11002497.5/53

All: 332.468+/-0.032 χ^2/NDF: 18981997.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/28

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

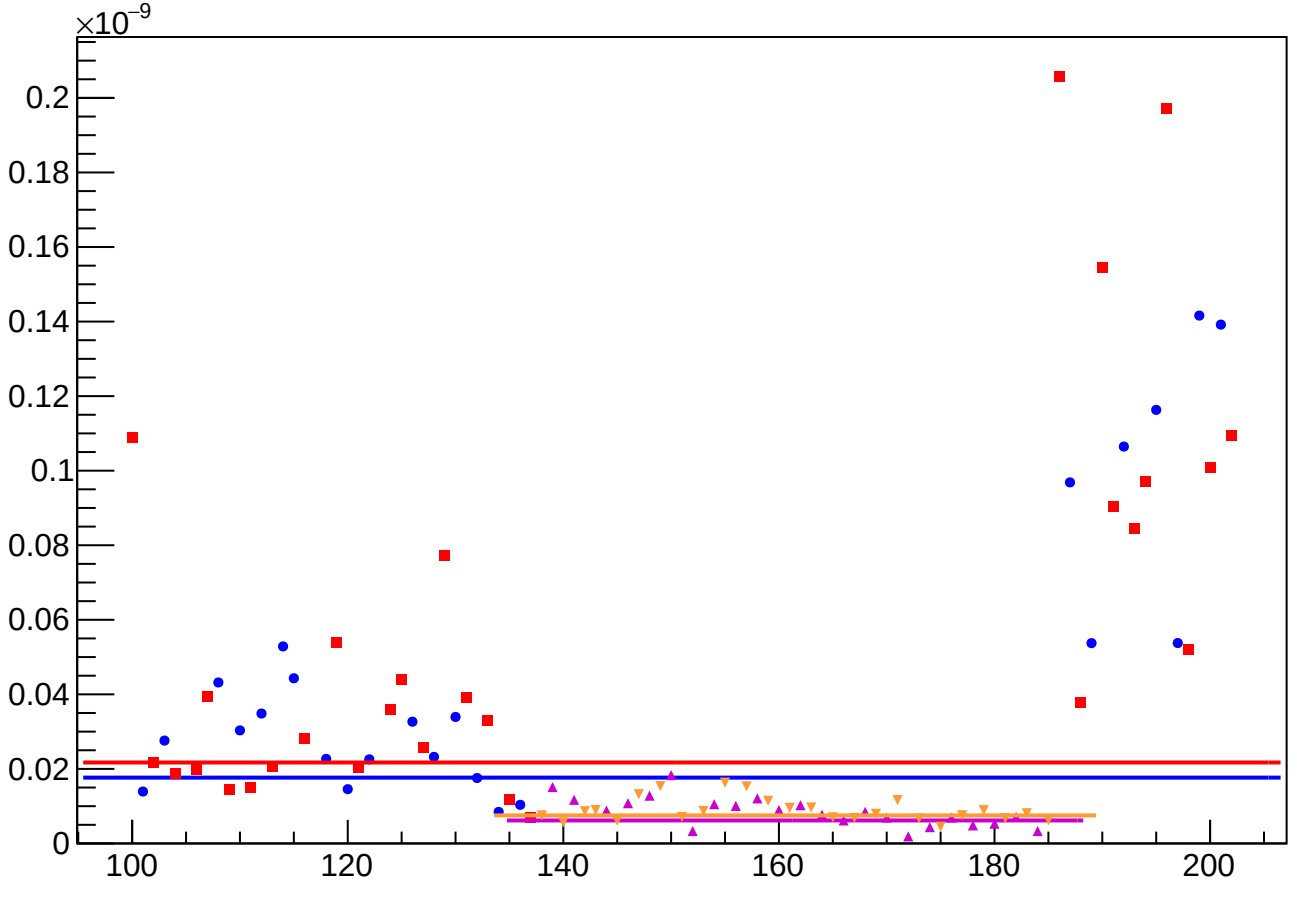
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 45.0/51

In: 0.000+/-0.000 χ^2/NDF:38.6/45

Out: -0.000+/-0.000 χ^2/NDF:43.8/53

All: 0.000+/-0.000 χ^2/NDF: 84.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 4126614.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4479143.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

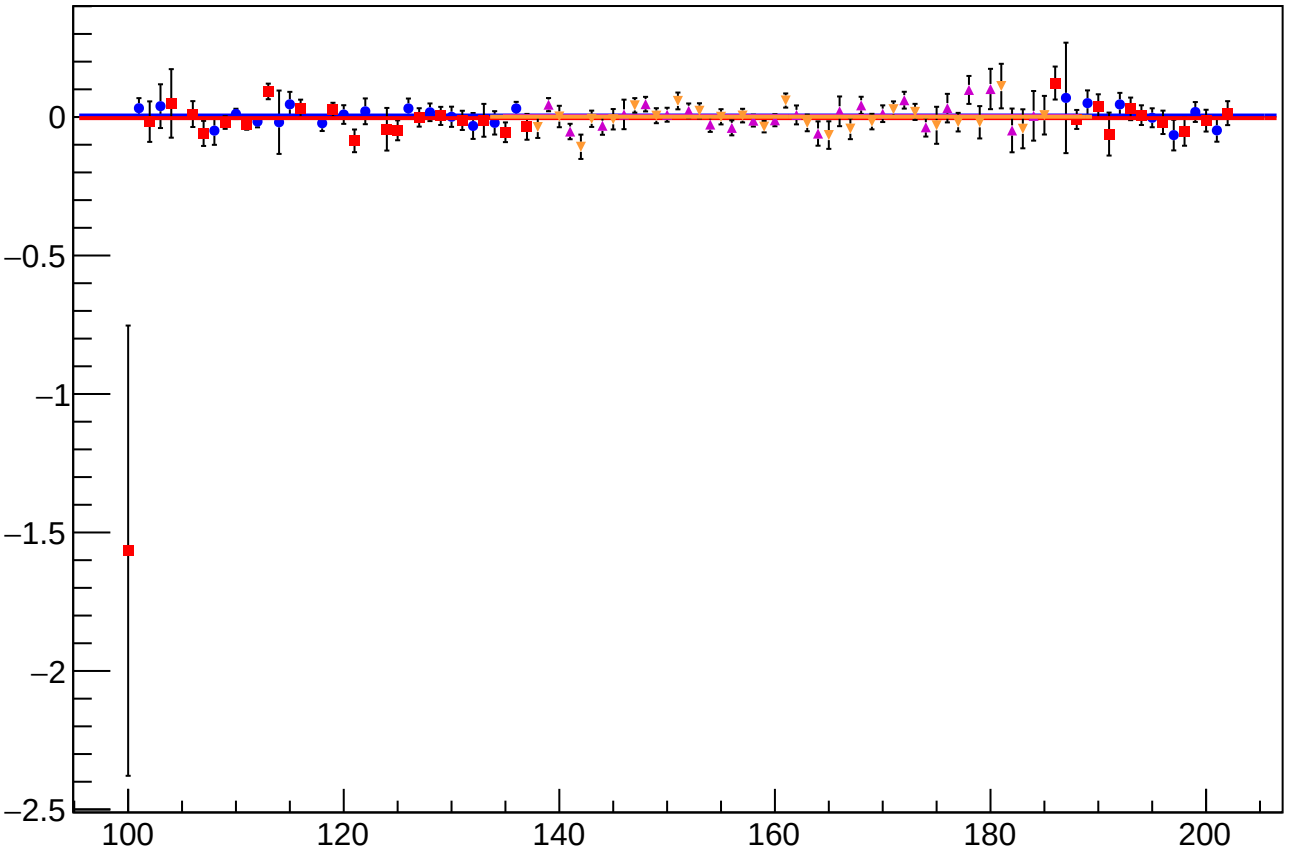
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8727230.8/51

In: 0.000+/-0.000 χ^2/NDF:9012763.0/45

Out: 0.000+/-0.000 χ^2/NDF:8121835.0/53

All: 0.000+/-0.000 χ^2/NDF: 17356917.5/99



Right In: 0.005+/-0.007 χ^2/NDF: 13.4/22

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/28

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

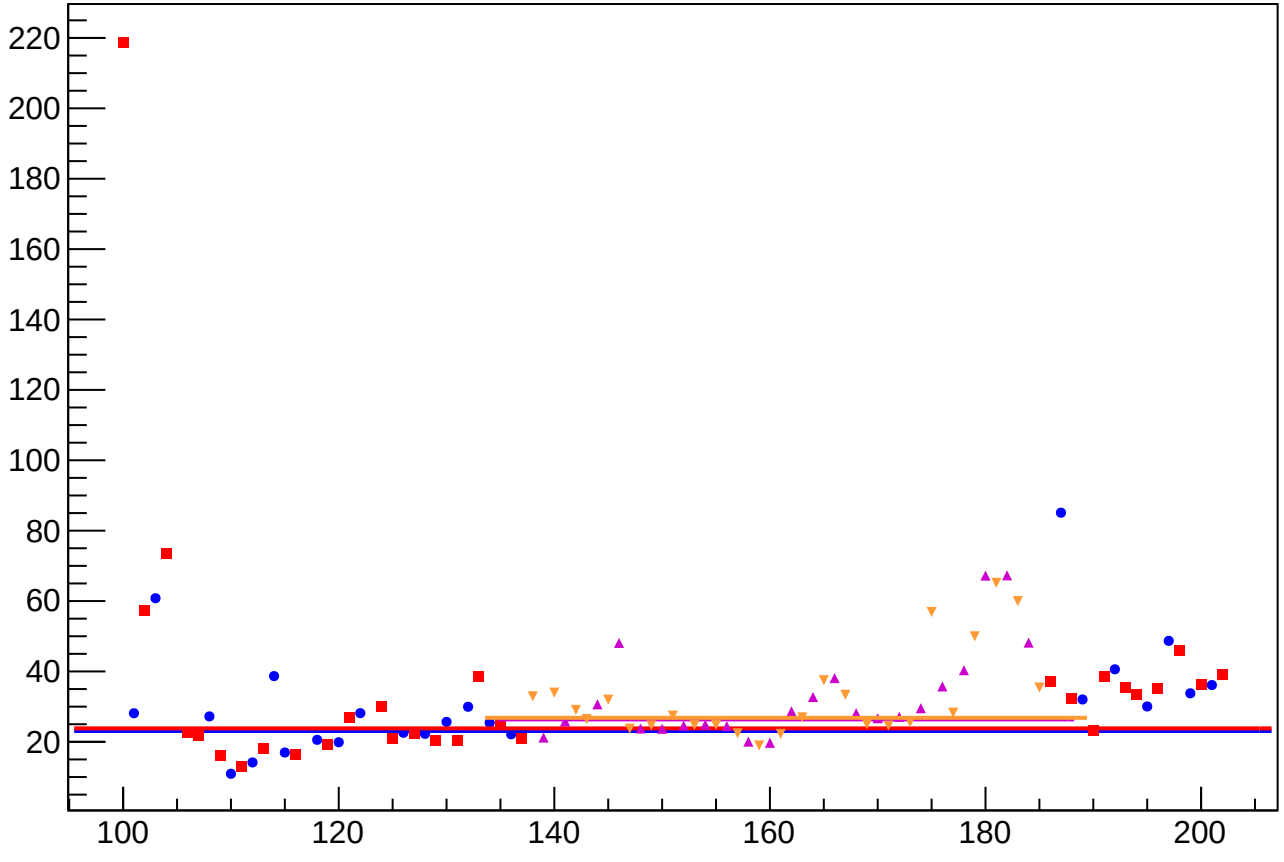
Right: 0.000+/-0.005 χ^2/NDF: 52.3/51

In: 0.005+/-0.005 χ^2/NDF:44.5/45

Out: -0.001+/-0.005 χ^2/NDF:68.7/53

All: 0.002+/-0.003 χ^2/NDF: 113.9/99

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.086+/-0.005 χ^2/NDF: 3441041.1/22

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.823+/-0.005 χ^2/NDF: 3750396.2/28

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

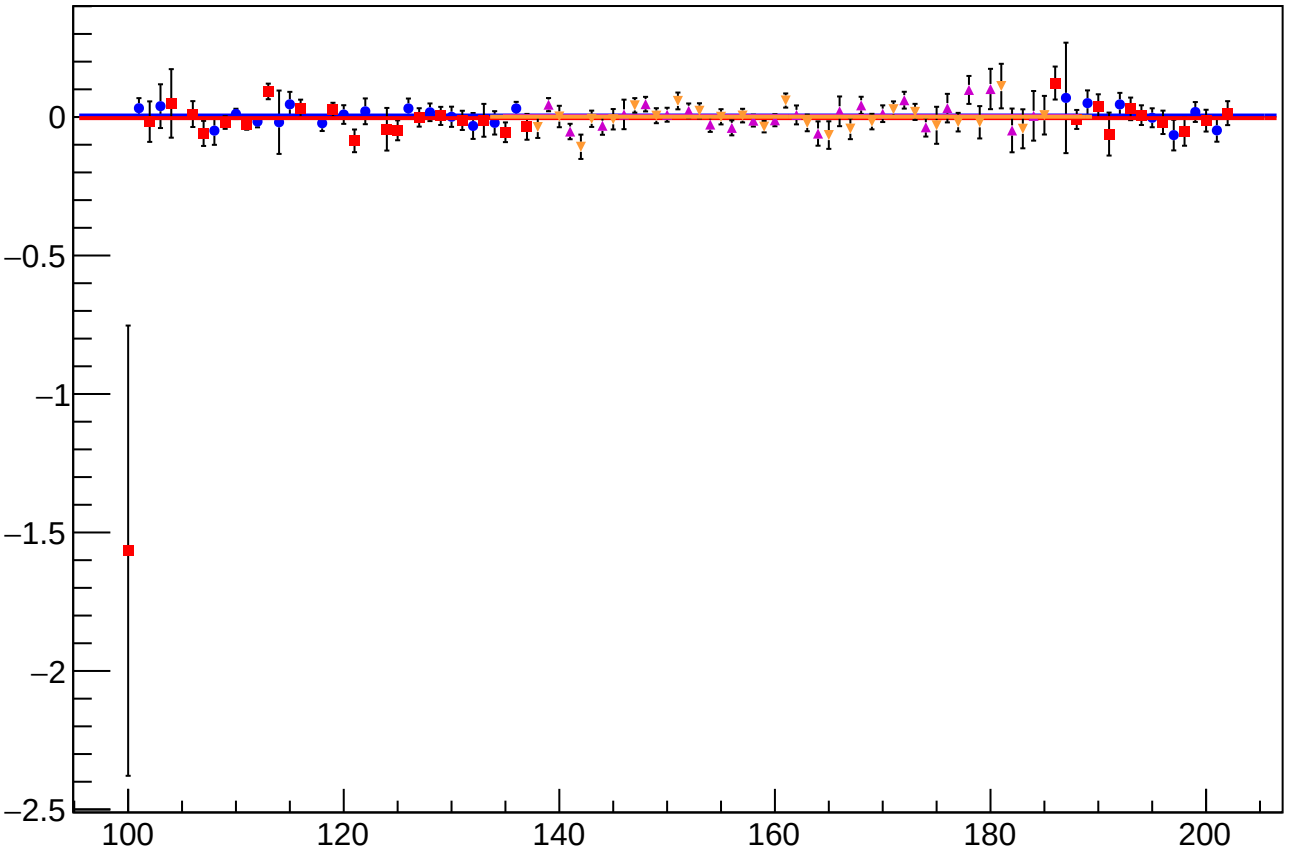
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.474+/-0.004 χ^2/NDF: 7202061.4/51

In: 24.903+/-0.003 χ^2/NDF:6229842.7/45

Out: 25.427+/-0.003 χ^2/NDF:6418284.2/53

All: 25.173+/-0.002 χ^2/NDF: 12659901.2/99



Right In: 0.005+/-0.007 χ^2/NDF: 13.4/22

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/28

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

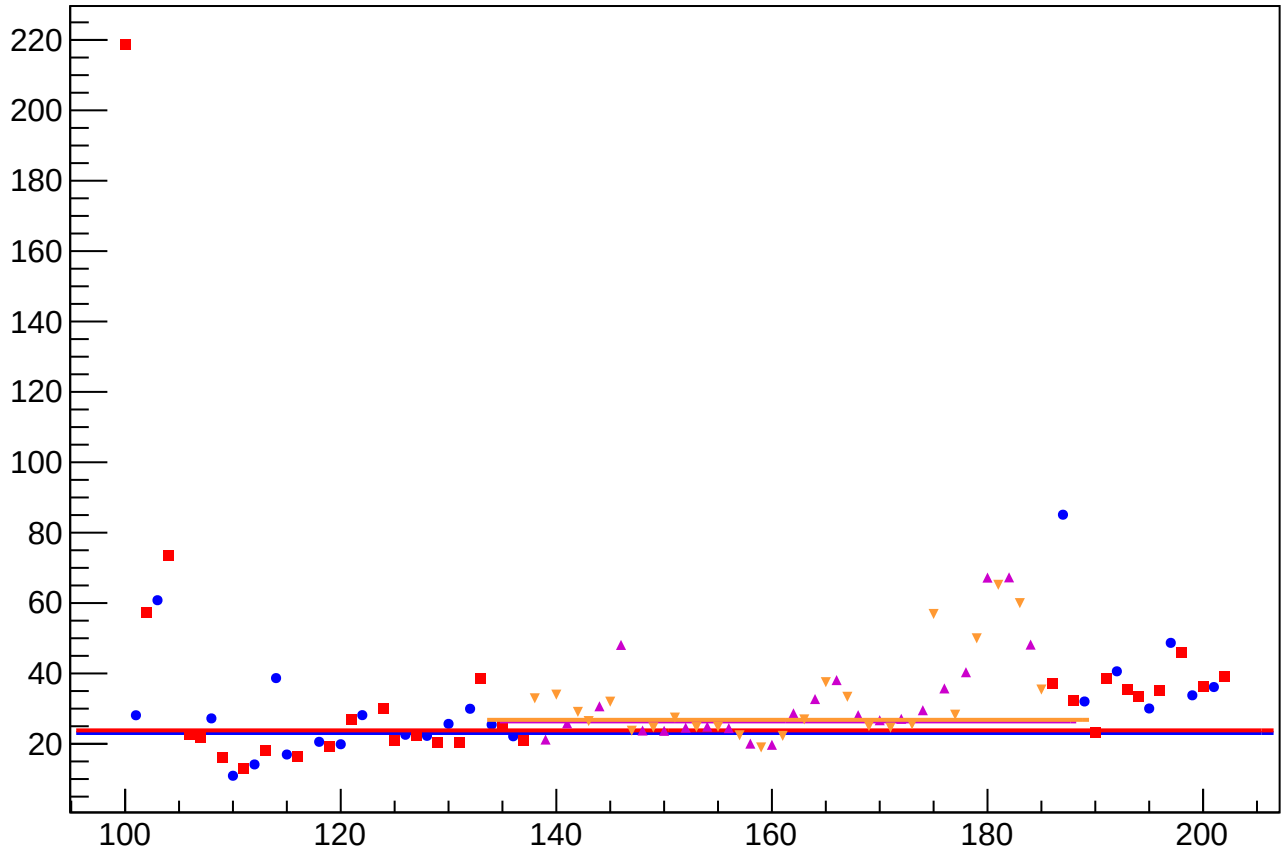
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.3/51

In: 0.005+/-0.005 χ^2/NDF:44.5/45

Out: -0.001+/-0.005 χ^2/NDF:68.7/53

All: 0.002+/-0.003 χ^2/NDF: 113.9/99



Right In: 23.086+/-0.005 χ^2/NDF: 3441041.1/22

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.823+/-0.005 χ^2/NDF: 3750396.2/28

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

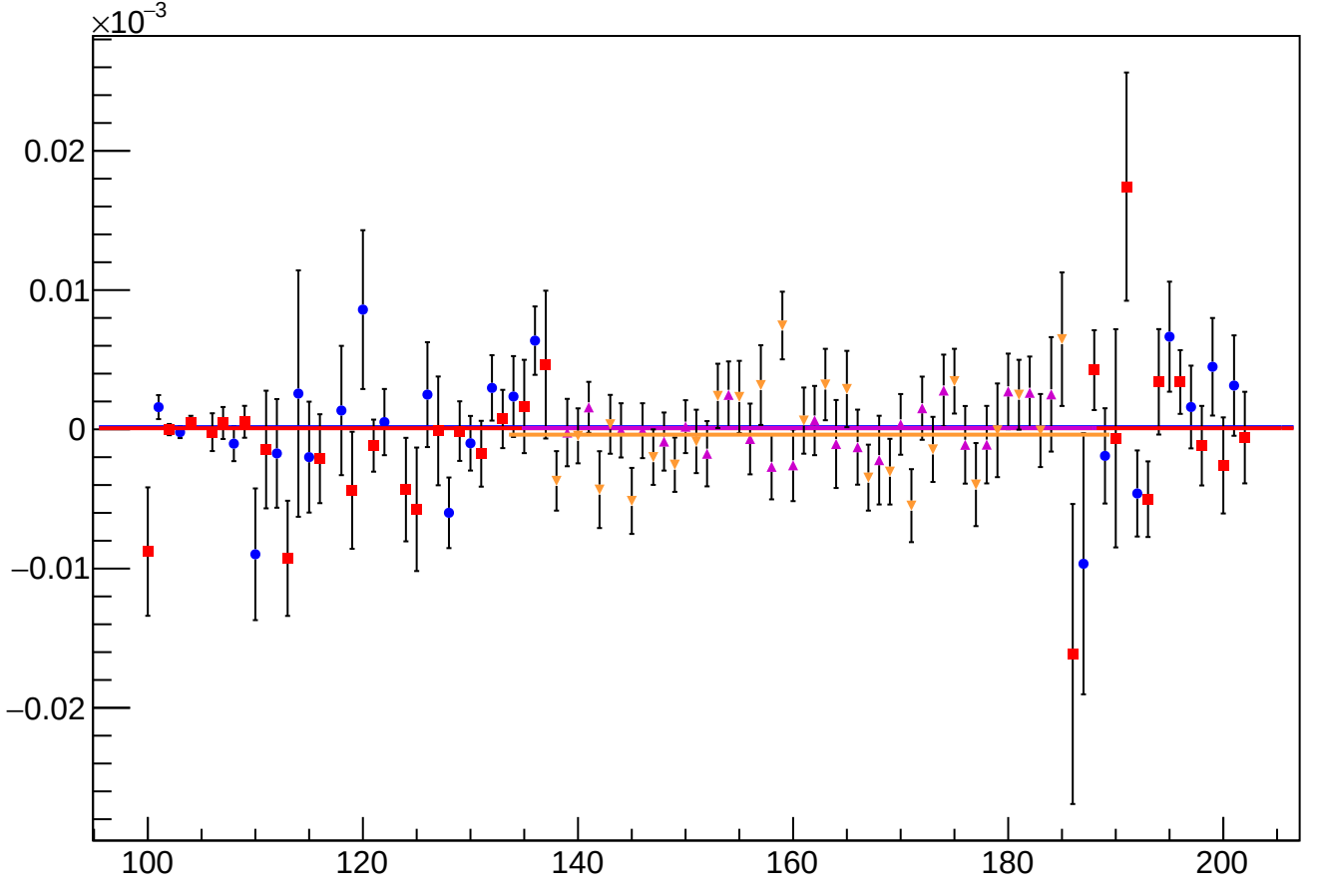
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.474+/-0.004 χ^2/NDF: 7202061.4/51

In: 24.903+/-0.003 χ^2/NDF:6229842.7/45

Out: 25.427+/-0.003 χ^2/NDF:6418284.2/53

All: 25.173+/-0.002 χ^2/NDF: 12659901.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 35.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/28

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

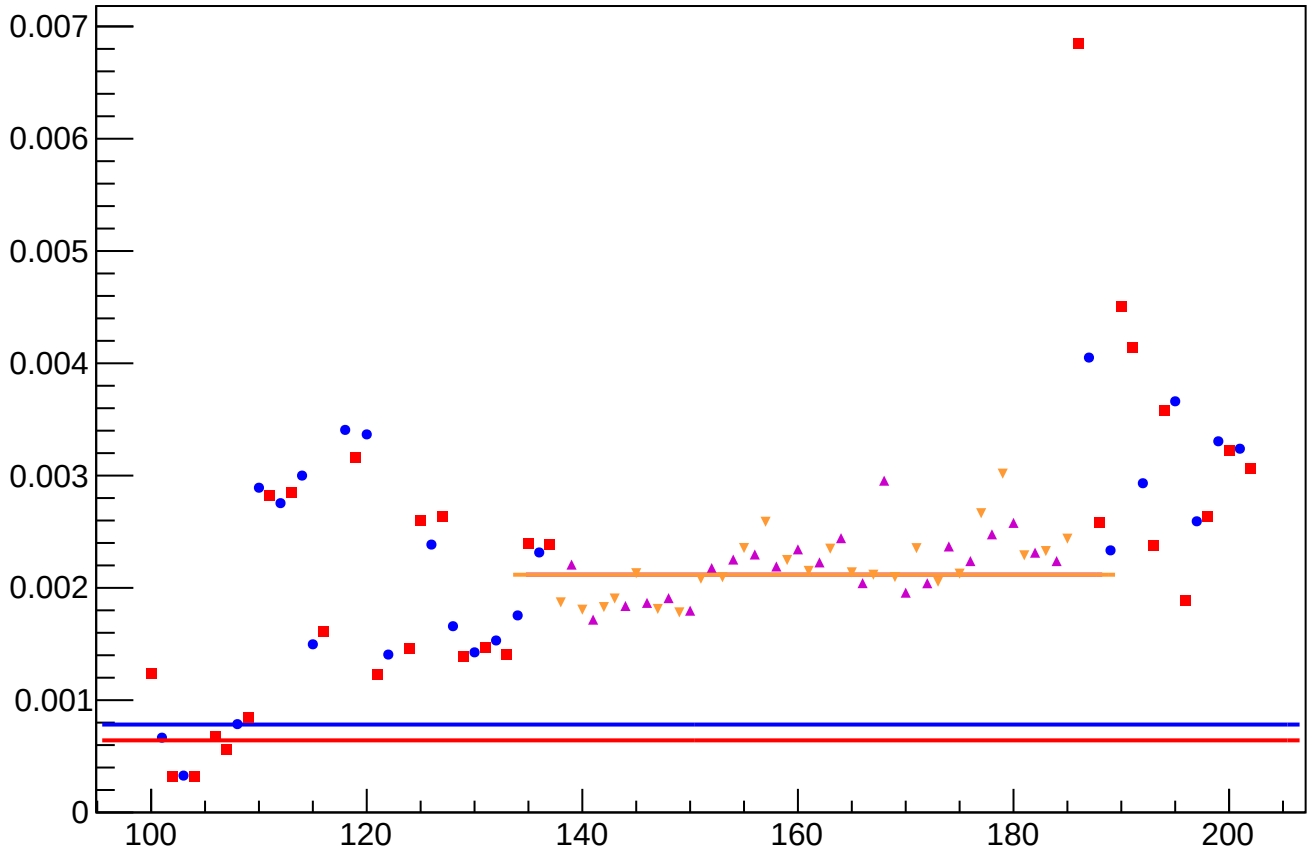
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 68.3/51

In: 0.000+/-0.000 χ^2/NDF:45.2/45

Out: -0.000+/-0.000 χ^2/NDF:77.0/53

All: 0.000+/-0.000 χ^2/NDF: 122.5/99



Right In: 0.001+/-0.000 χ^2/NDF: 12057557.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15319805.0/28

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

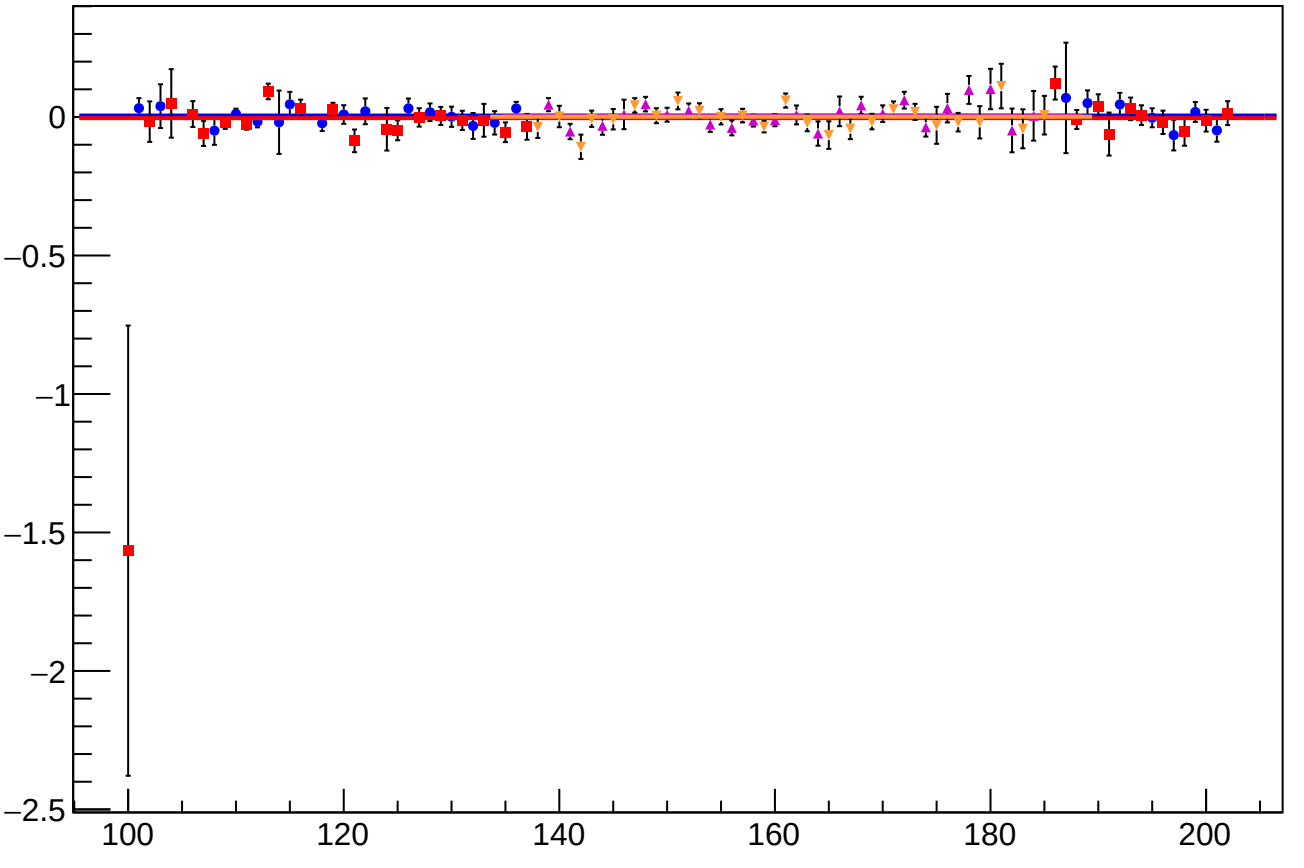
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 27612142.8/51

In: 0.001+/-0.000 χ^2/NDF:22689281.3/45

Out: 0.001+/-0.000 χ^2/NDF:30375978.9/53

All: 0.001+/-0.000 χ^2/NDF: 53851669.4/99



Right In: 0.005+/-0.007 χ^2/NDF: 13.4/22

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/28

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

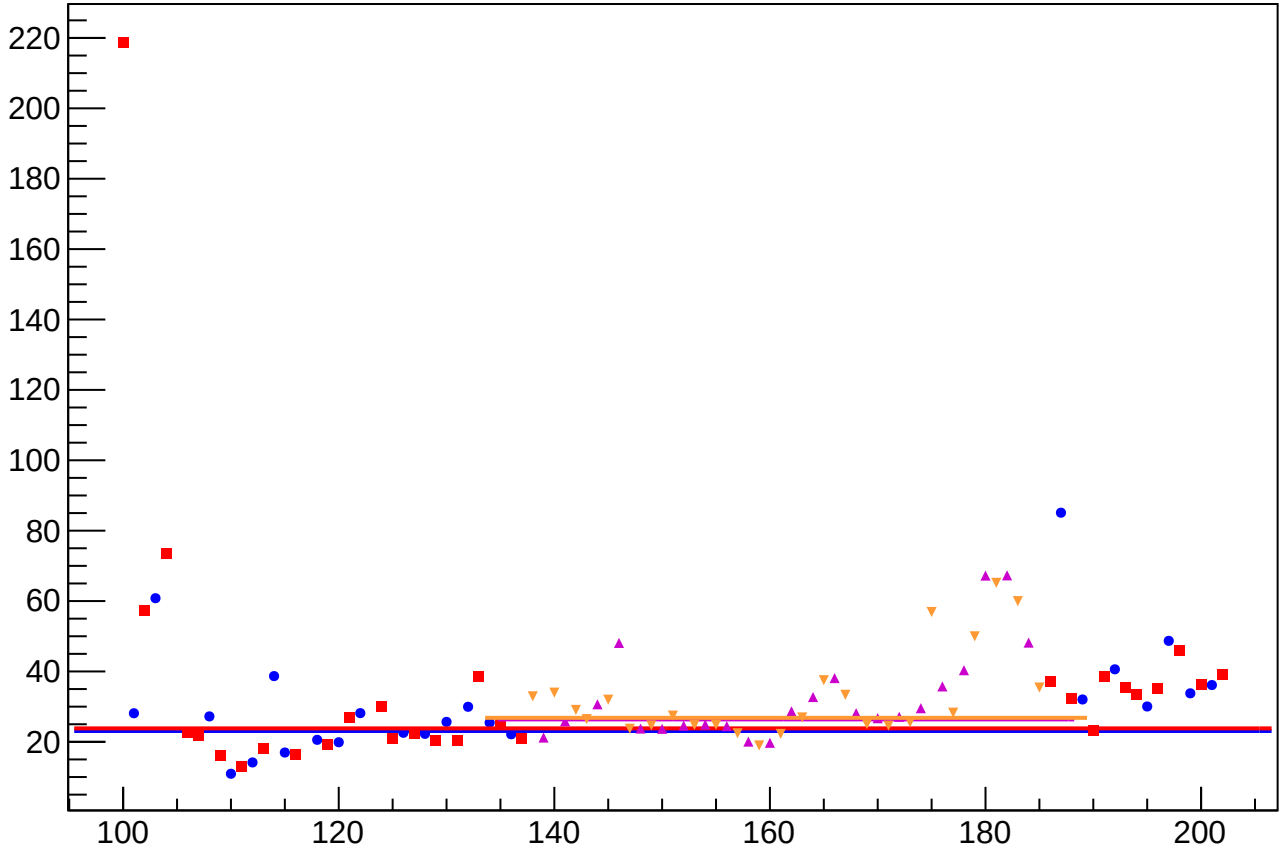
Right: 0.000+/-0.005 χ^2/NDF: 52.3/51

In: 0.005+/-0.005 χ^2/NDF:44.5/45

Out: -0.001+/-0.005 χ^2/NDF:68.7/53

All: 0.002+/-0.003 χ^2/NDF: 113.9/99

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.087+/-0.005 χ^2/NDF: 3440783.9/22

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.823+/-0.005 χ^2/NDF: 3750169.9/28

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

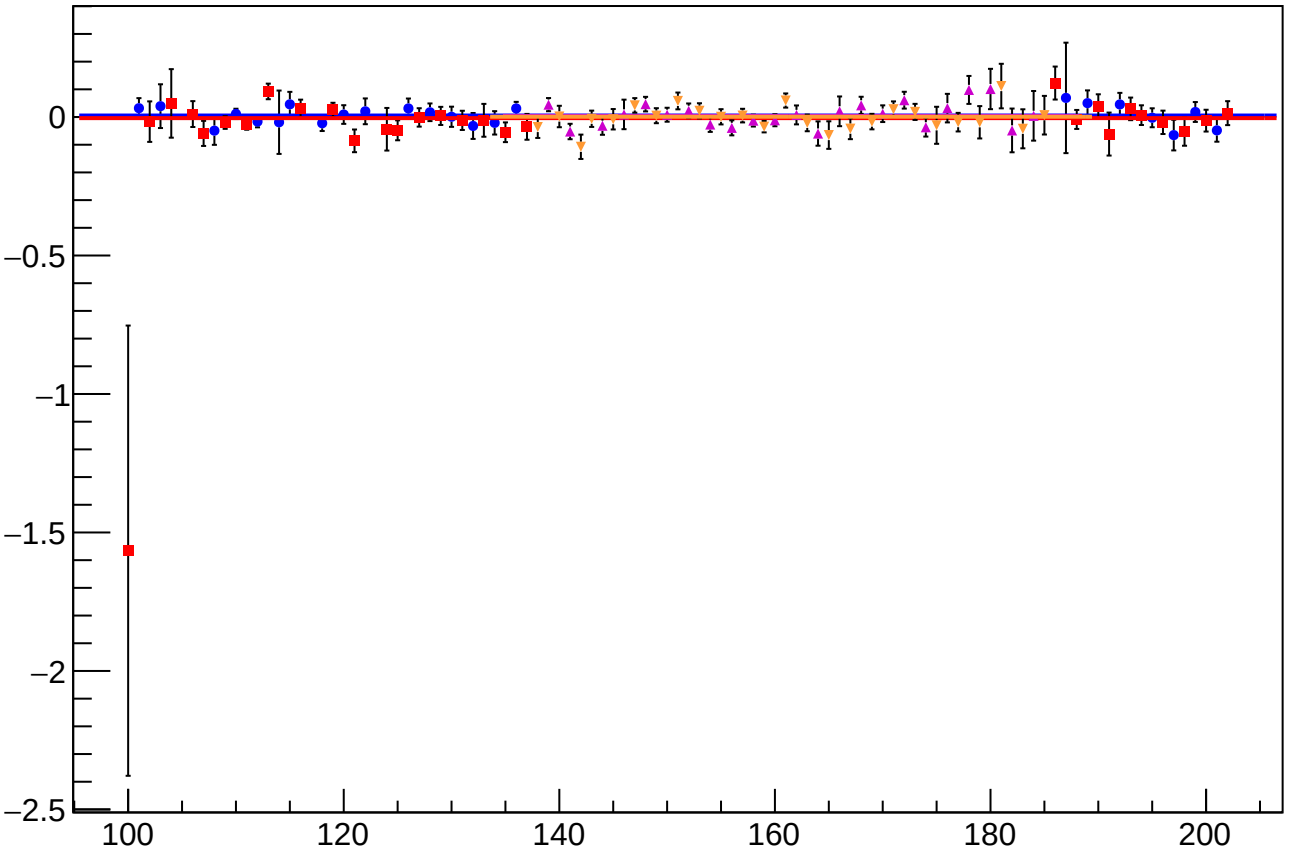
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.474+/-0.004 χ^2/NDF: 7201565.5/51

In: 24.903+/-0.003 χ^2/NDF:6229591.8/45

Out: 25.427+/-0.003 χ^2/NDF:6418101.0/53

All: 25.173+/-0.002 χ^2/NDF: 12659458.2/99



Right In: 0.005+/-0.007 χ^2/NDF: 13.4/22

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/28

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

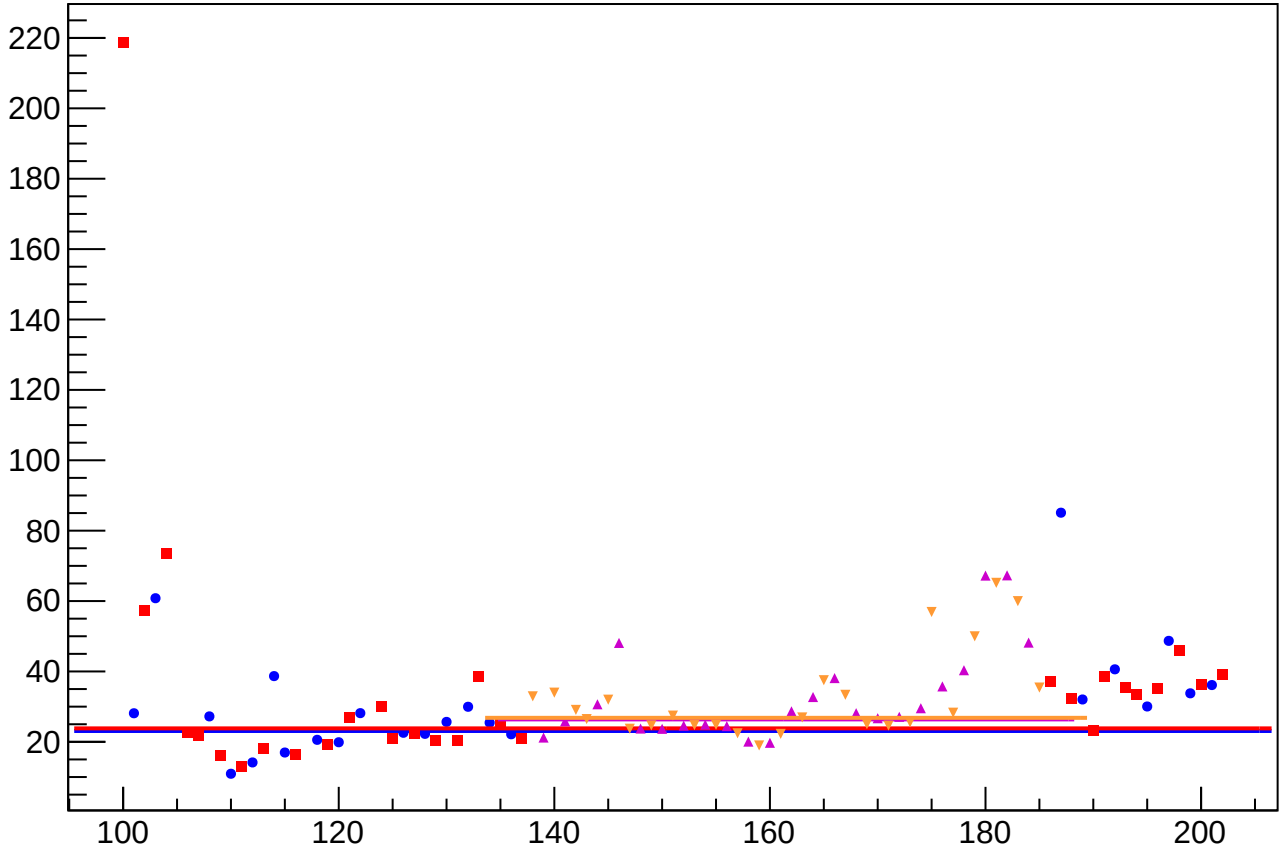
Right: 0.000+/-0.005 χ^2/NDF: 52.3/51

In: 0.005+/-0.005 χ^2/NDF:44.5/45

Out: -0.001+/-0.005 χ^2/NDF:68.7/53

All: 0.002+/-0.003 χ^2/NDF: 113.9/99

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.087+/-0.005 χ^2/NDF: 3440783.9/22

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.823+/-0.005 χ^2/NDF: 3750169.9/28

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

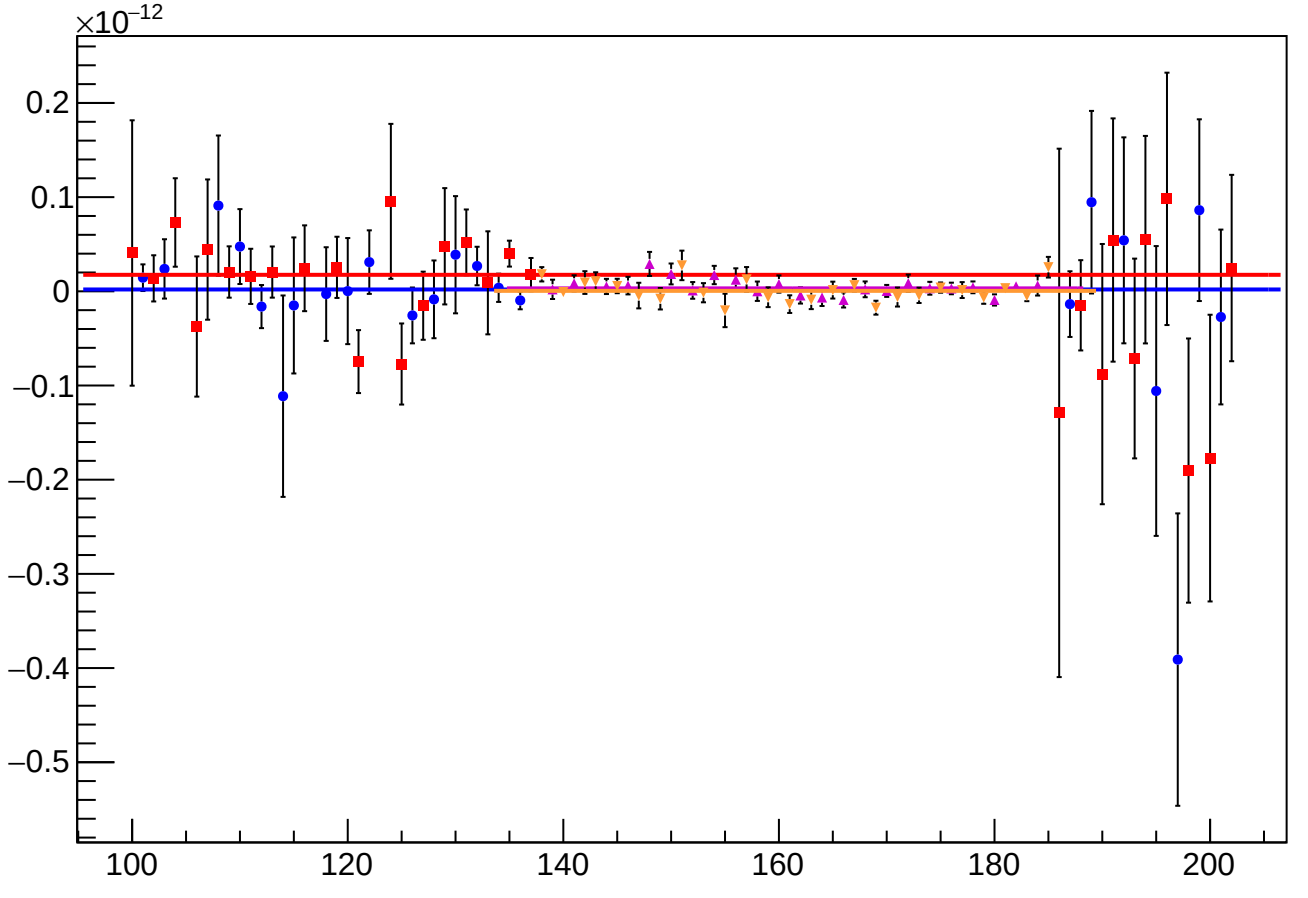
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.474+/-0.004 χ^2/NDF: 7201565.5/51

In: 24.903+/-0.003 χ^2/NDF:6229591.8/45

Out: 25.427+/-0.003 χ^2/NDF:6418101.0/53

All: 25.173+/-0.002 χ^2/NDF: 12659458.2/99



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

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/28

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

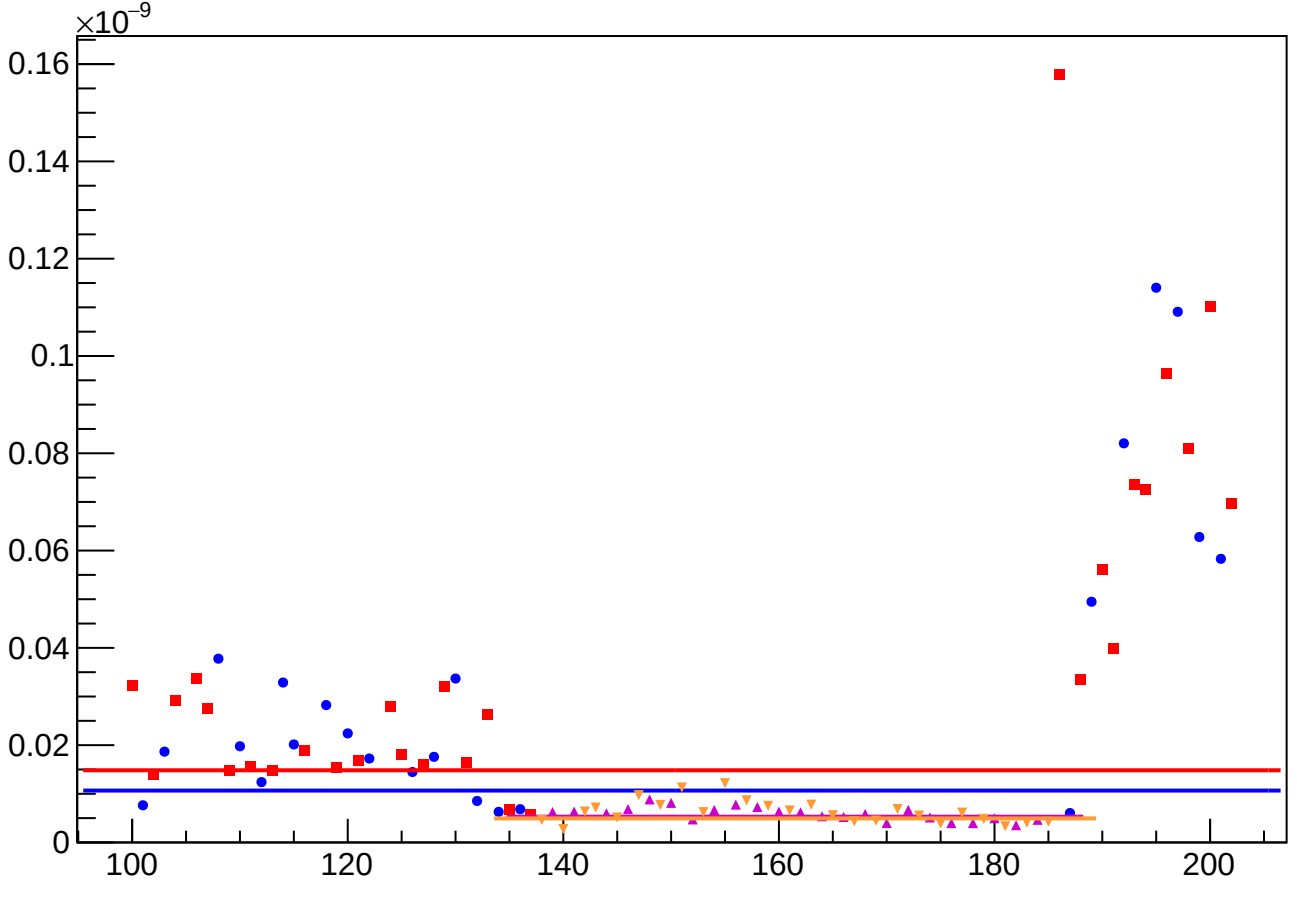
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 49.7/51

In: 0.000+/-0.000 χ^2/NDF:39.1/45

Out: 0.000+/-0.000 χ^2/NDF:65.1/53

All: 0.000+/-0.000 χ^2/NDF: 104.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 6045949.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6793327.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

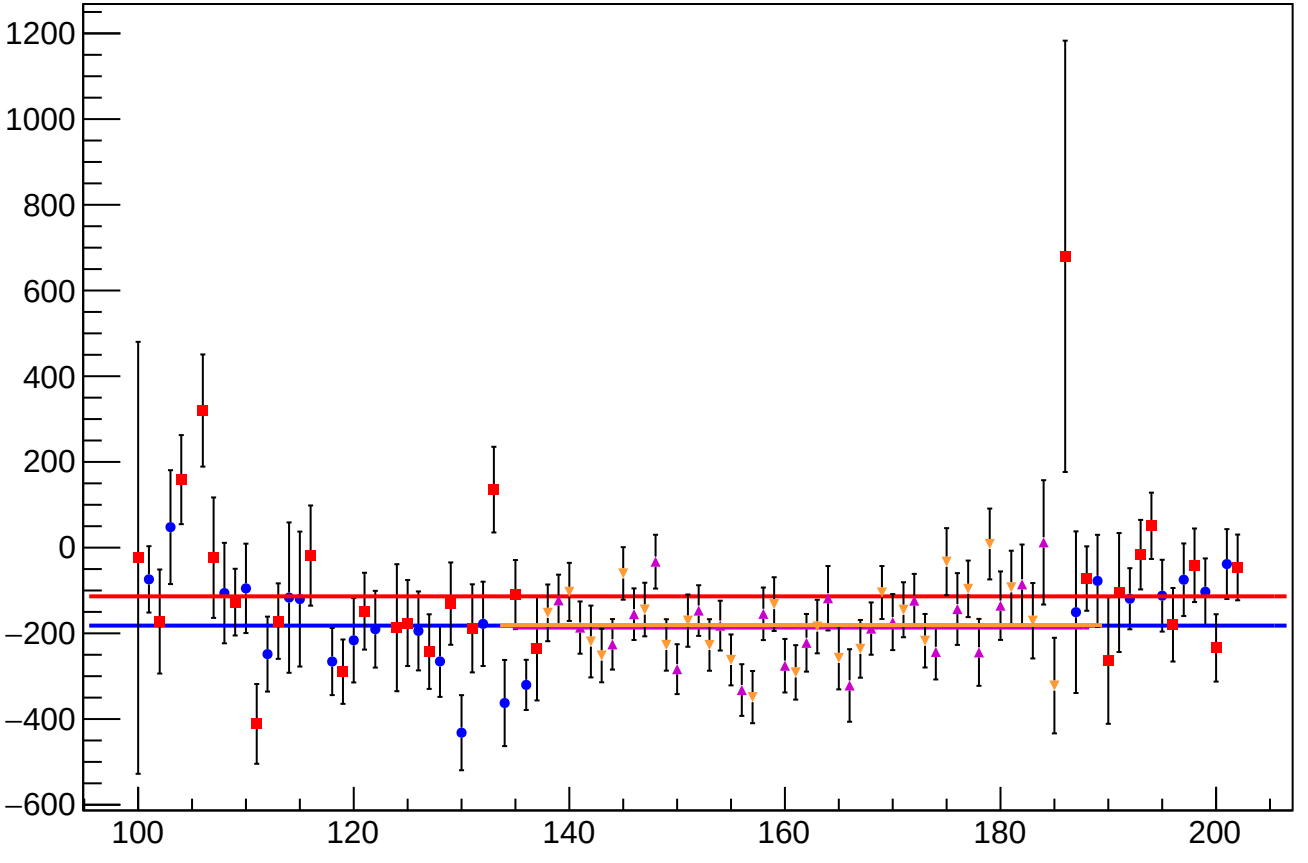
Right: 0.000+/-0.000 χ^2/NDF: 13281234.8/51

In: 0.000+/-0.000 χ^2/NDF:8982081.2/45

Out: 0.000+/-0.000 χ^2/NDF:13464738.7/53

All: 0.000+/-0.000 χ^2/NDF: 22487079.7/99

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -181.979+/-18.966 χ^2/NDF: 34.4/22

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -113.688+/-18.077 χ^2/NDF: 60.3/28

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

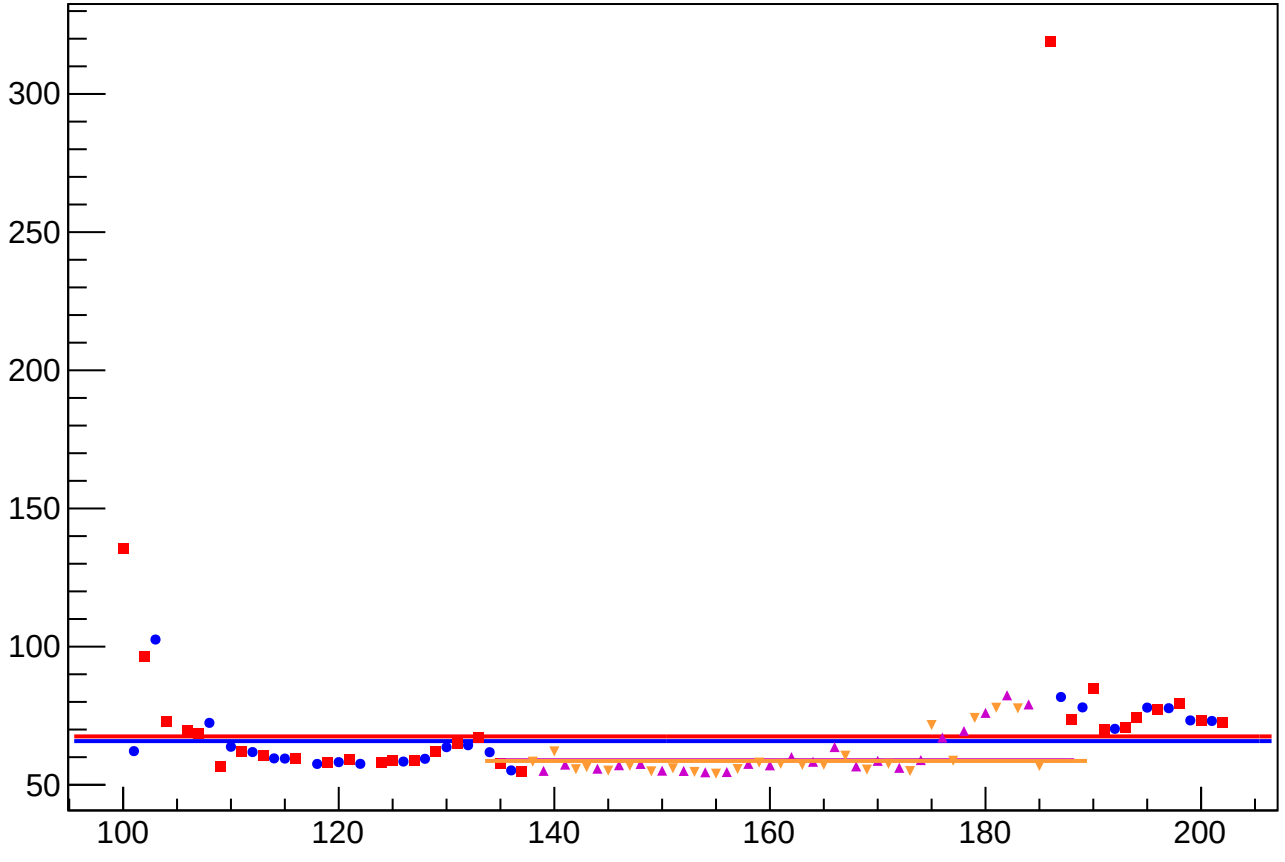
Right: -146.195+/-13.085 χ^2/NDF: 101.4/51

In: -184.970+/-11.190 χ^2/NDF:63.4/45

Out: -156.884+/-10.775 χ^2/NDF:107.8/53

All: -170.395+/-7.762 χ^2/NDF: 174.4/99

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.815+/-0.013 χ^2/NDF: 484602.4/22

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.513+/-0.013 χ^2/NDF: 1018374.2/28

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

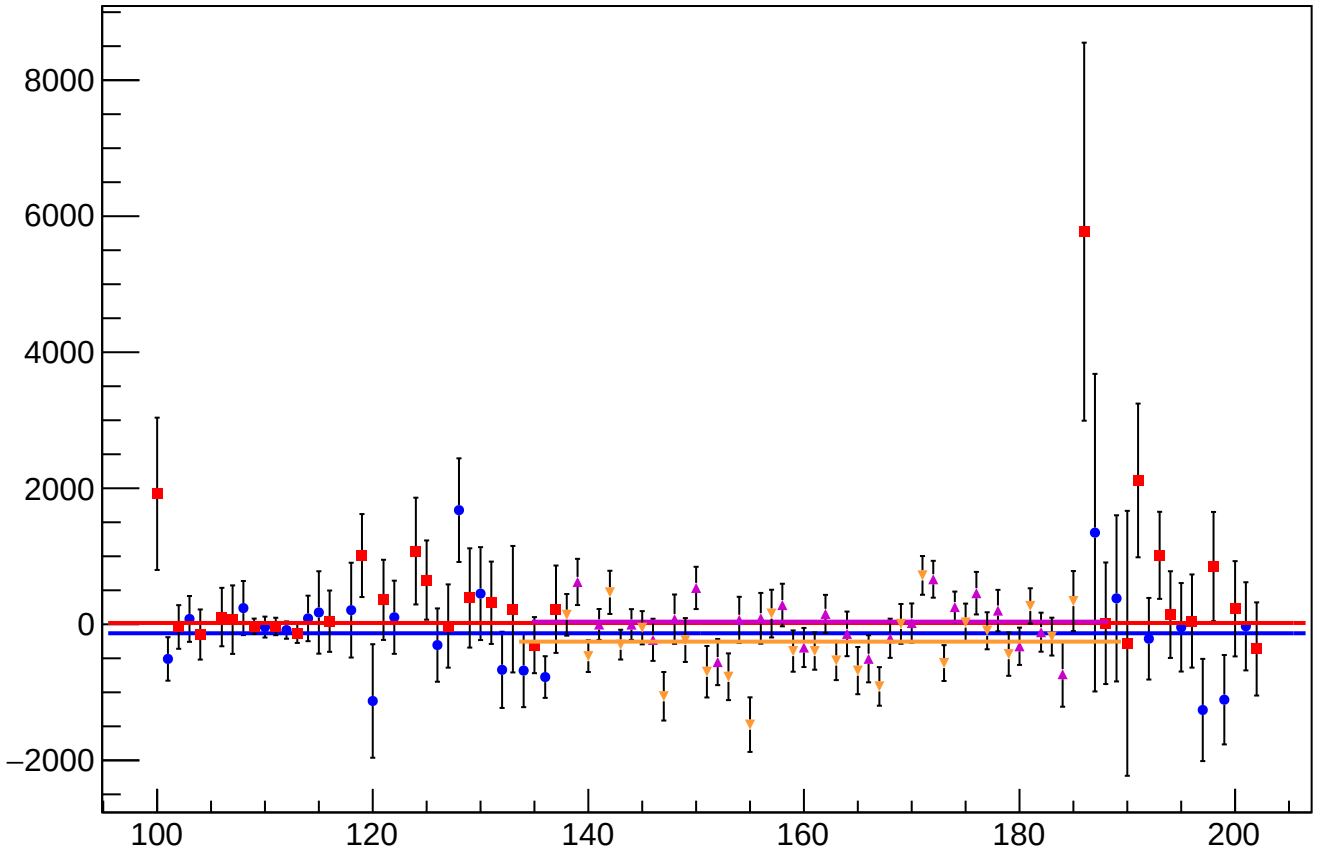
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.705+/-0.009 χ^2/NDF: 1511377.2/51

In: 61.311+/-0.008 χ^2/NDF:1044426.2/45

Out: 61.795+/-0.008 χ^2/NDF:1722670.6/53

All: 61.562+/-0.005 χ^2/NDF: 2769034.7/99



Right In: -131.738+/-73.595 χ^2/NDF: 23.6/22

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 19.591+/-62.037 χ^2/NDF: 23.5/28

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

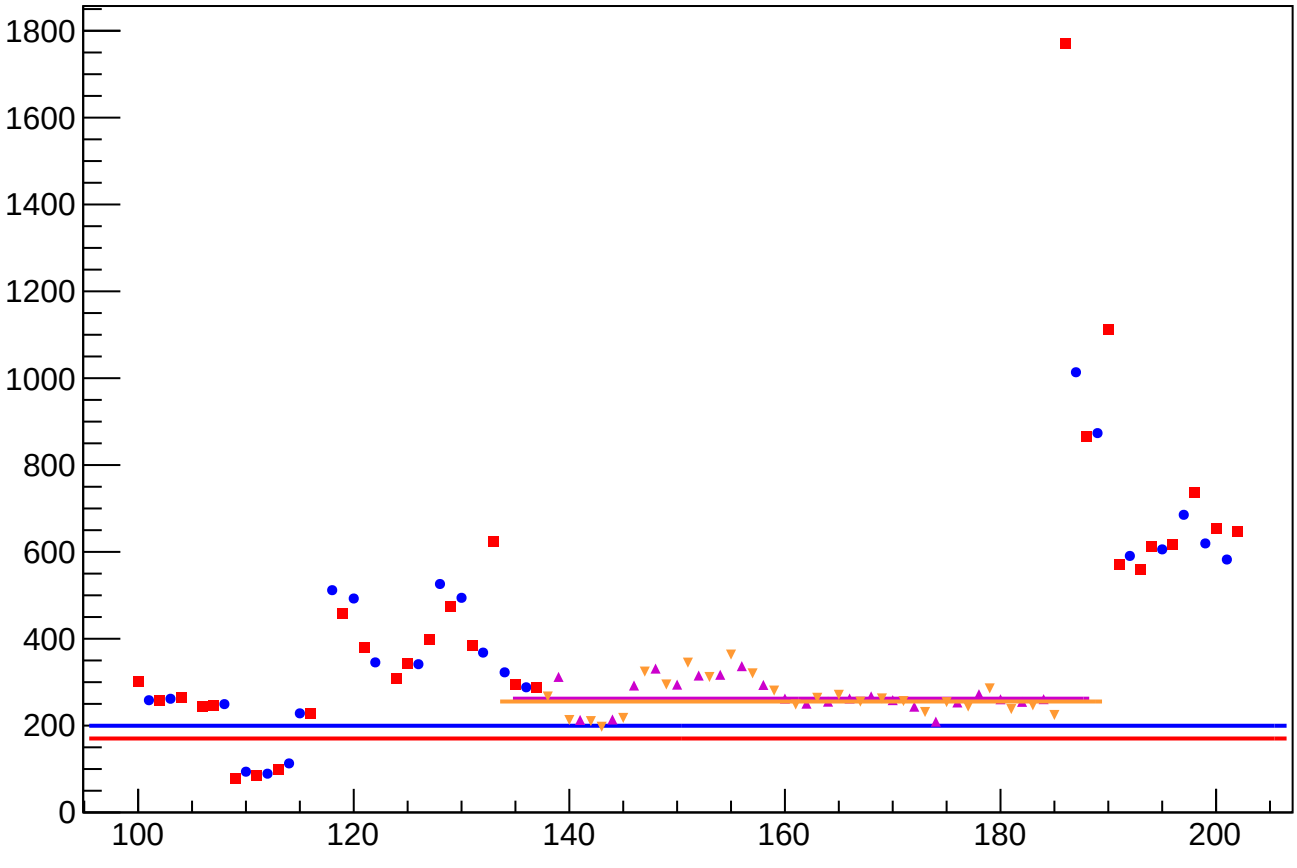
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -43.271+/-47.433 χ^2/NDF: 49.6/51

In: -31.633+/-47.364 χ^2/NDF:55.1/45

Out: -124.681+/-42.706 χ^2/NDF:91.4/53

All: -82.957+/-31.717 χ^2/NDF: 148.6/99



Right In: 199.648+/-0.052 χ^2/NDF: 9713678.8/22

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 170.297+/-0.044 χ^2/NDF: 13682510.7/28

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

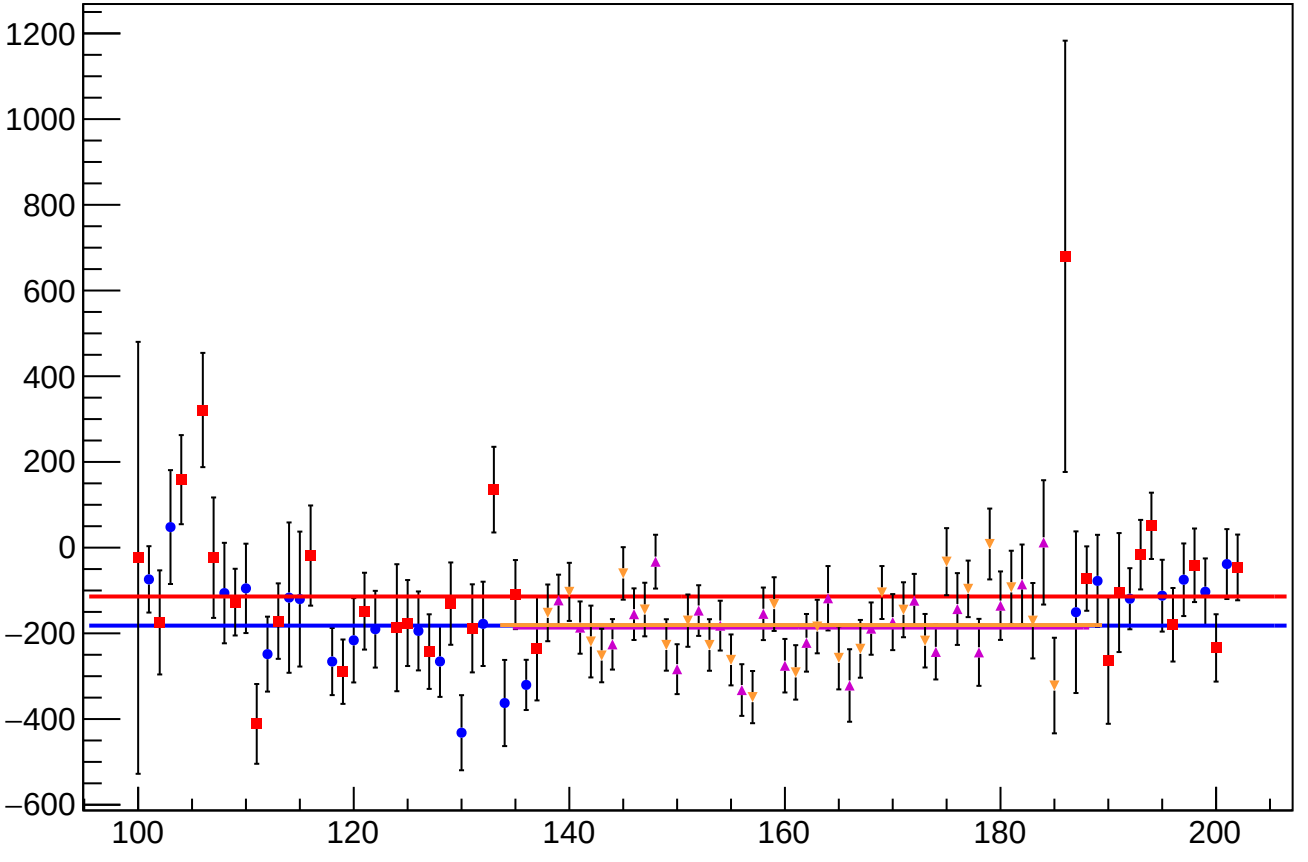
Right: 182.489+/-0.034 χ^2/NDF: 23582162.4/51

In: 236.179+/-0.033 χ^2/NDF:11225435.6/45

Out: 215.108+/-0.030 χ^2/NDF:16529794.5/53

All: 224.556+/-0.022 χ^2/NDF: 27973556.4/99

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -181.978+/-18.966 χ^2/NDF: 34.4/22

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -114.006+/-18.083 χ^2/NDF: 60.0/28

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

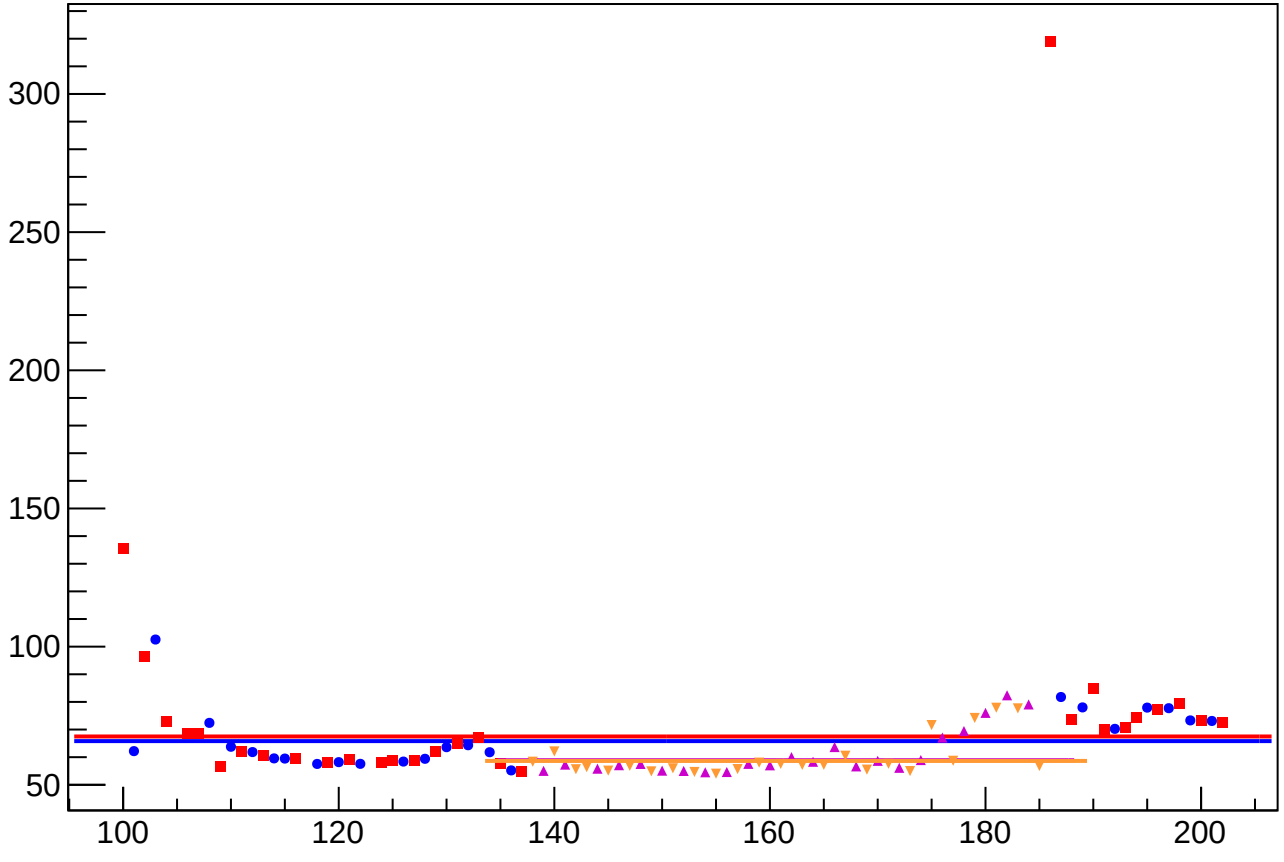
Right: -146.373+/-13.088 χ^2/NDF: 101.1/51

In: -184.970+/-11.190 χ^2/NDF:63.4/45

Out: -157.004+/-10.776 χ^2/NDF:107.3/53

All: -170.459+/-7.762 χ^2/NDF: 174.0/99

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.815+/-0.013 χ^2/NDF: 484604.8/22

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.491+/-0.013 χ^2/NDF: 1018141.2/28

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

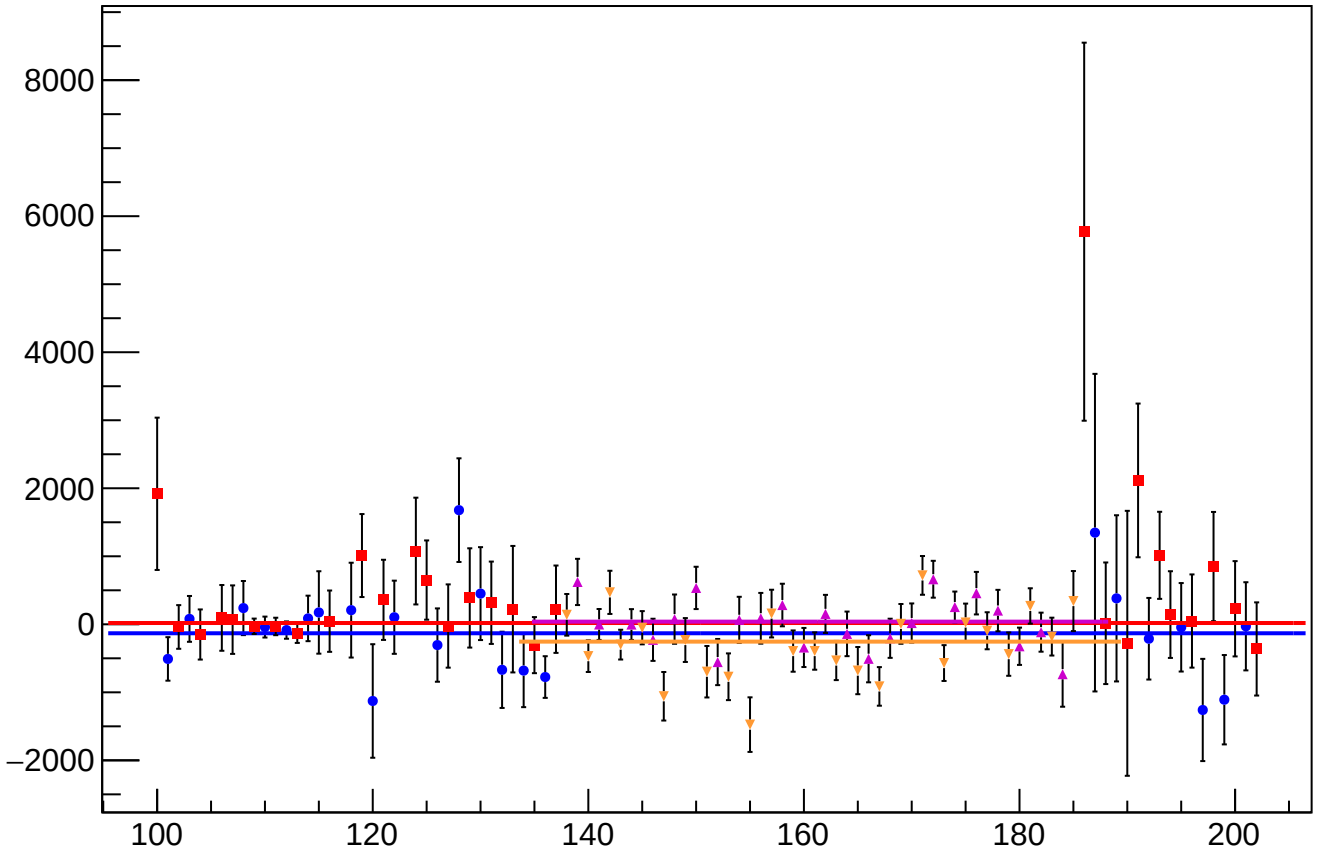
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.693+/-0.009 χ^2/NDF: 1510921.5/51

In: 61.311+/-0.008 χ^2/NDF:1044428.7/45

Out: 61.785+/-0.008 χ^2/NDF:1720716.5/53

All: 61.557+/-0.005 χ^2/NDF: 2767007.9/99



Right In: -131.721+/-73.595 χ^2/NDF: 23.6/22

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 19.020+/-62.176 χ^2/NDF: 23.4/28

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

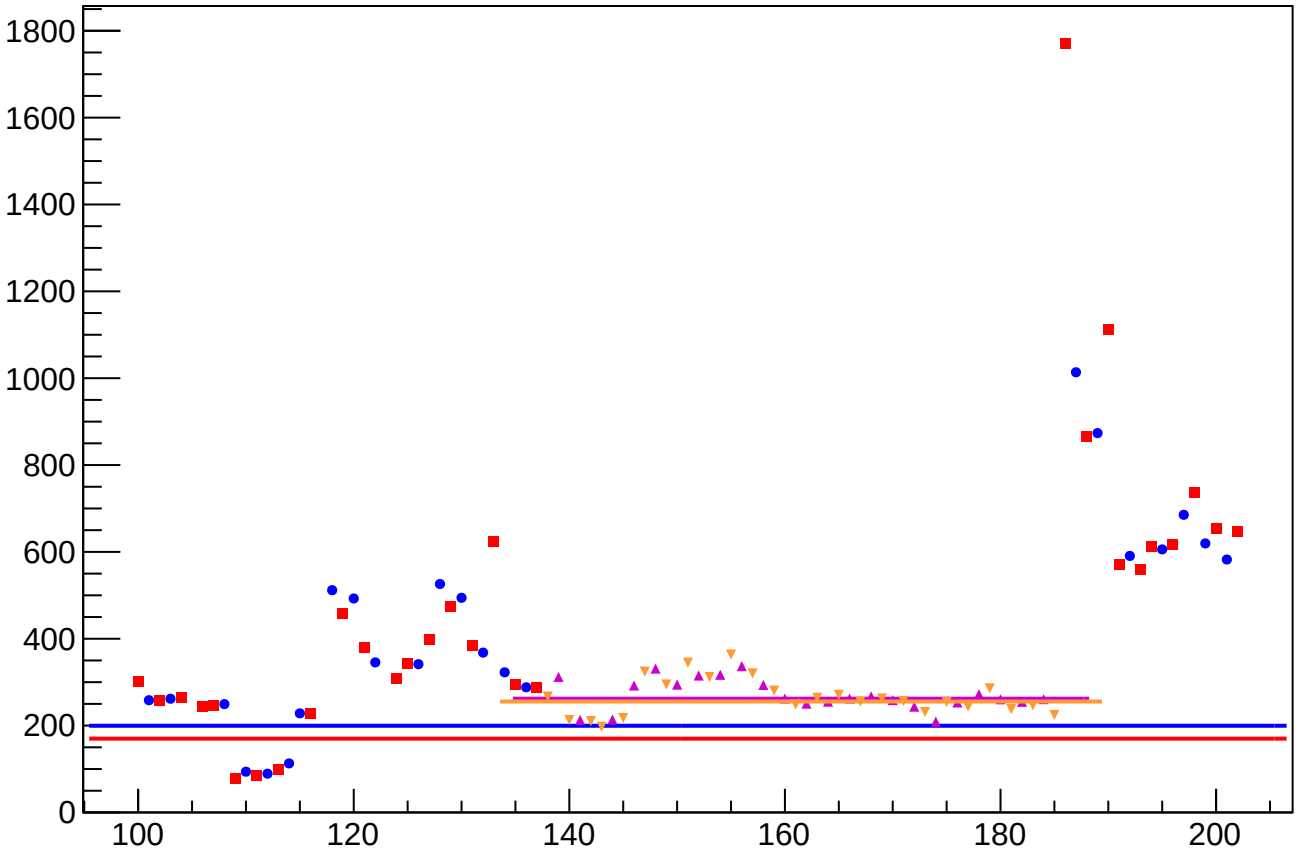
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -43.761+/-47.495 χ^2/NDF: 49.5/51

In: -31.626+/-47.364 χ^2/NDF:55.1/45

Out: -125.255+/-42.751 χ^2/NDF:91.3/53

All: -83.221+/-31.735 χ^2/NDF: 148.6/99



Right In: 199.649+/-0.052 χ^2/NDF: 9713724.5/22

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 169.974+/-0.044 χ^2/NDF: 13670859.3/28

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

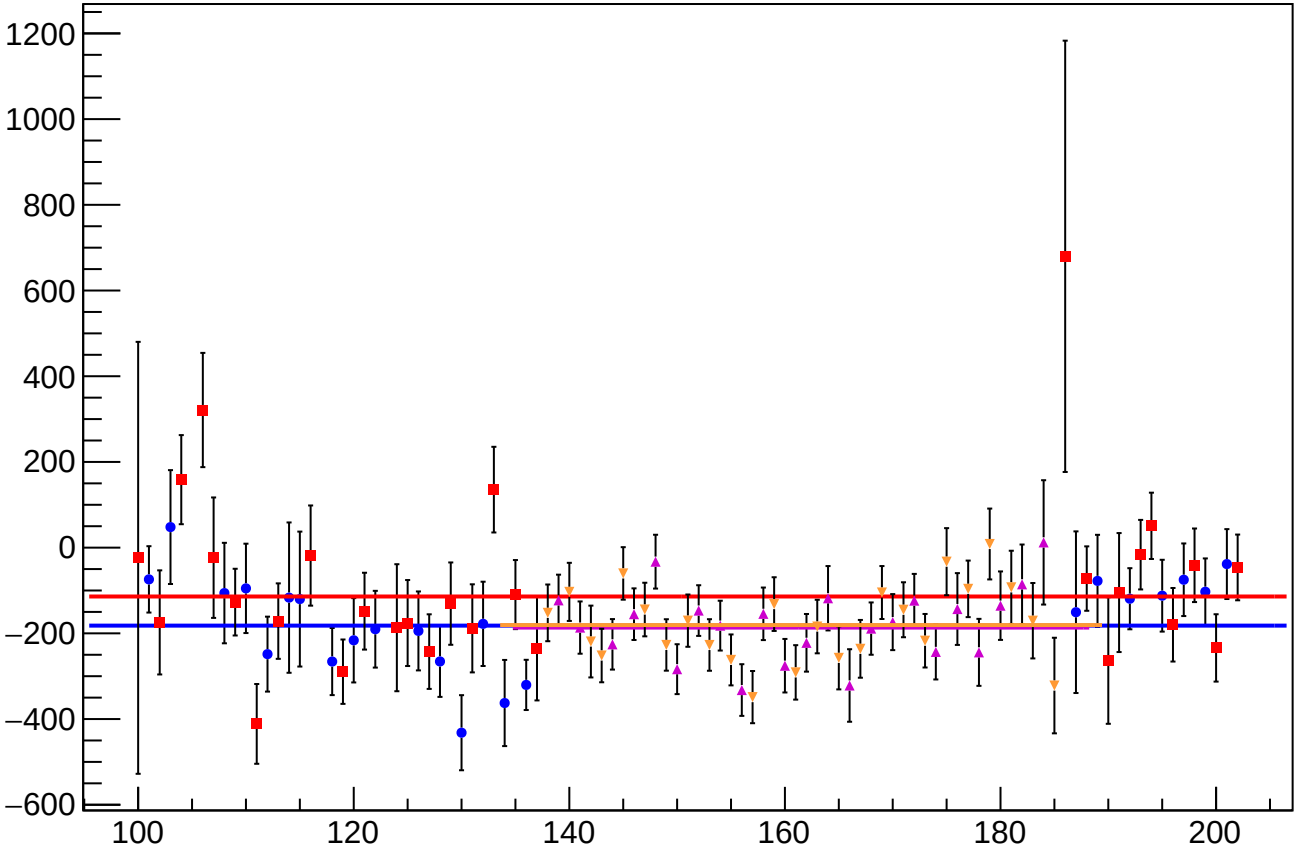
Right: 182.333+/-0.034 χ^2/NDF: 23574317.0/51

In: 236.179+/-0.033 χ^2/NDF:11225460.2/45

Out: 215.050+/-0.030 χ^2/NDF:16528475.1/53

All: 224.536+/-0.022 χ^2/NDF: 27973252.2/99

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -181.978+/-18.966 χ^2/NDF: 34.4/22

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -114.006+/-18.083 χ^2/NDF: 60.0/28

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

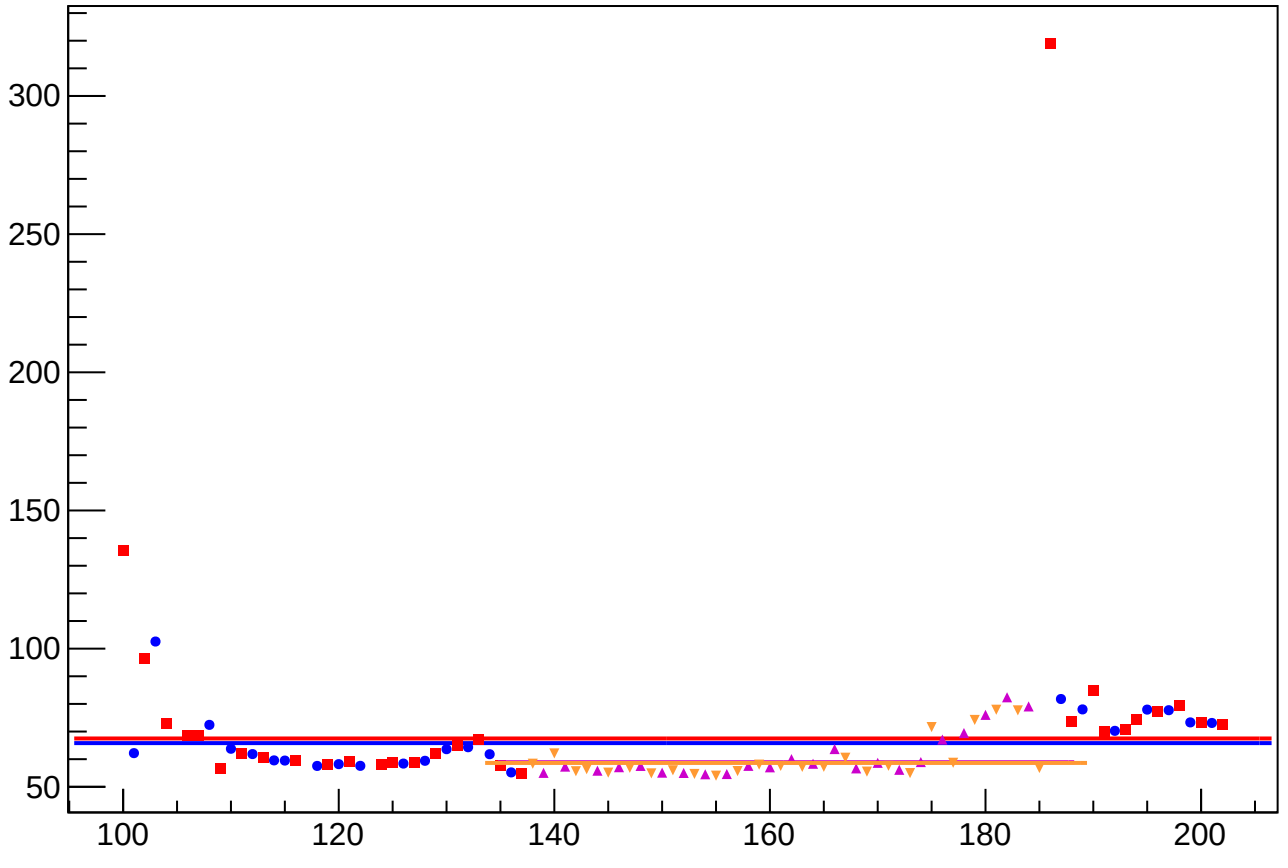
Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

Right: -146.373+/-13.088 χ^2/NDF: 101.1/51

In: -184.970+/-11.190 χ^2/NDF:63.4/45

Out: -157.004+/-10.776 χ^2/NDF:107.3/53

All: -170.459+/-7.762 χ^2/NDF: 174.0/99



Right In: 65.815+/-0.013 χ^2/NDF: 484604.8/22

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.491+/-0.013 χ^2/NDF: 1018141.2/28

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

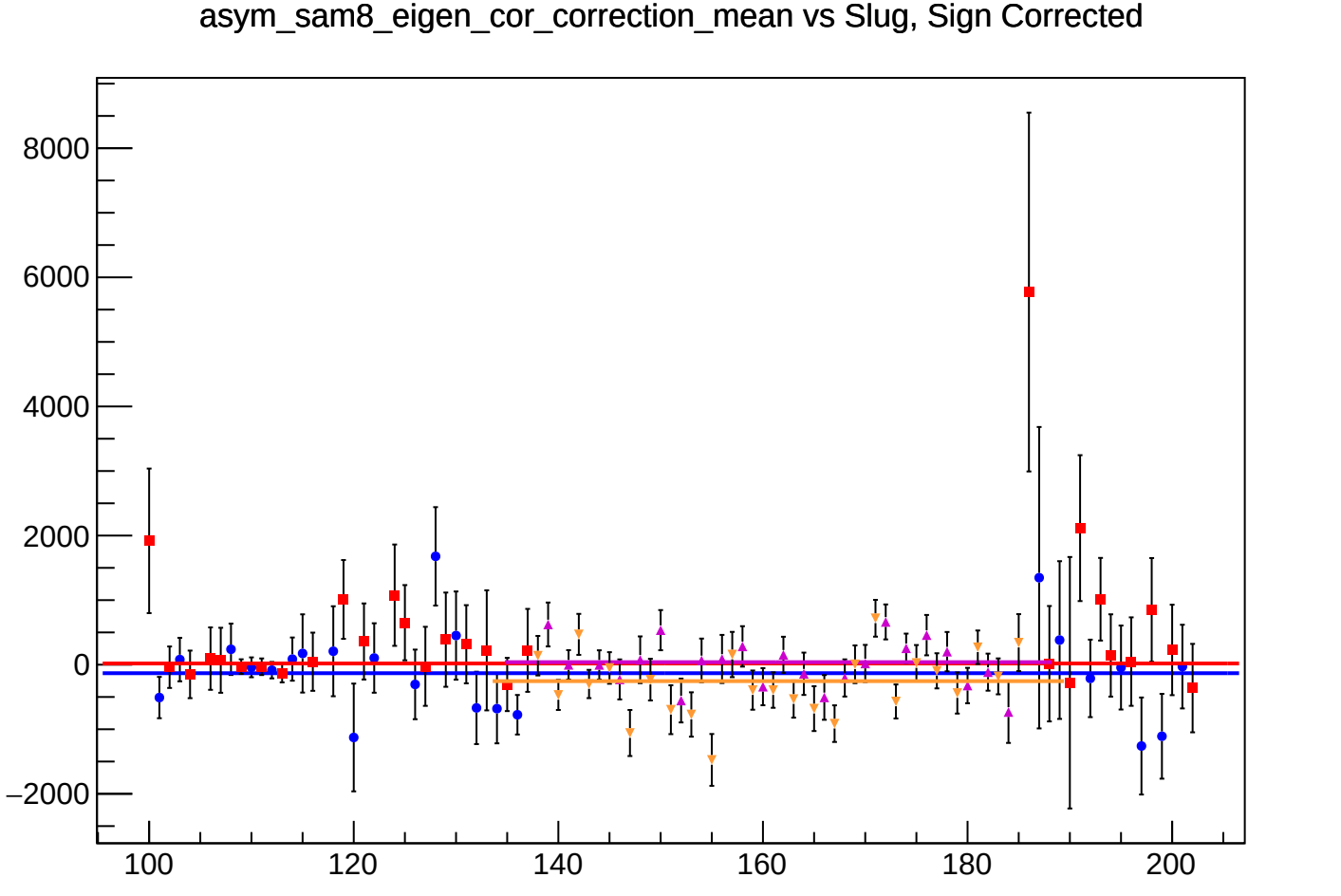
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.693+/-0.009 χ^2/NDF: 1510921.5/51

In: 61.311+/-0.008 χ^2/NDF:1044428.7/45

Out: 61.785+/-0.008 χ^2/NDF:1720716.5/53

All: 61.557+/-0.005 χ^2/NDF: 2767007.9/99



Right In: -131.721+/-73.595 χ^2/NDF: 23.6/22

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 19.020+/-62.176 χ^2/NDF: 23.4/28

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

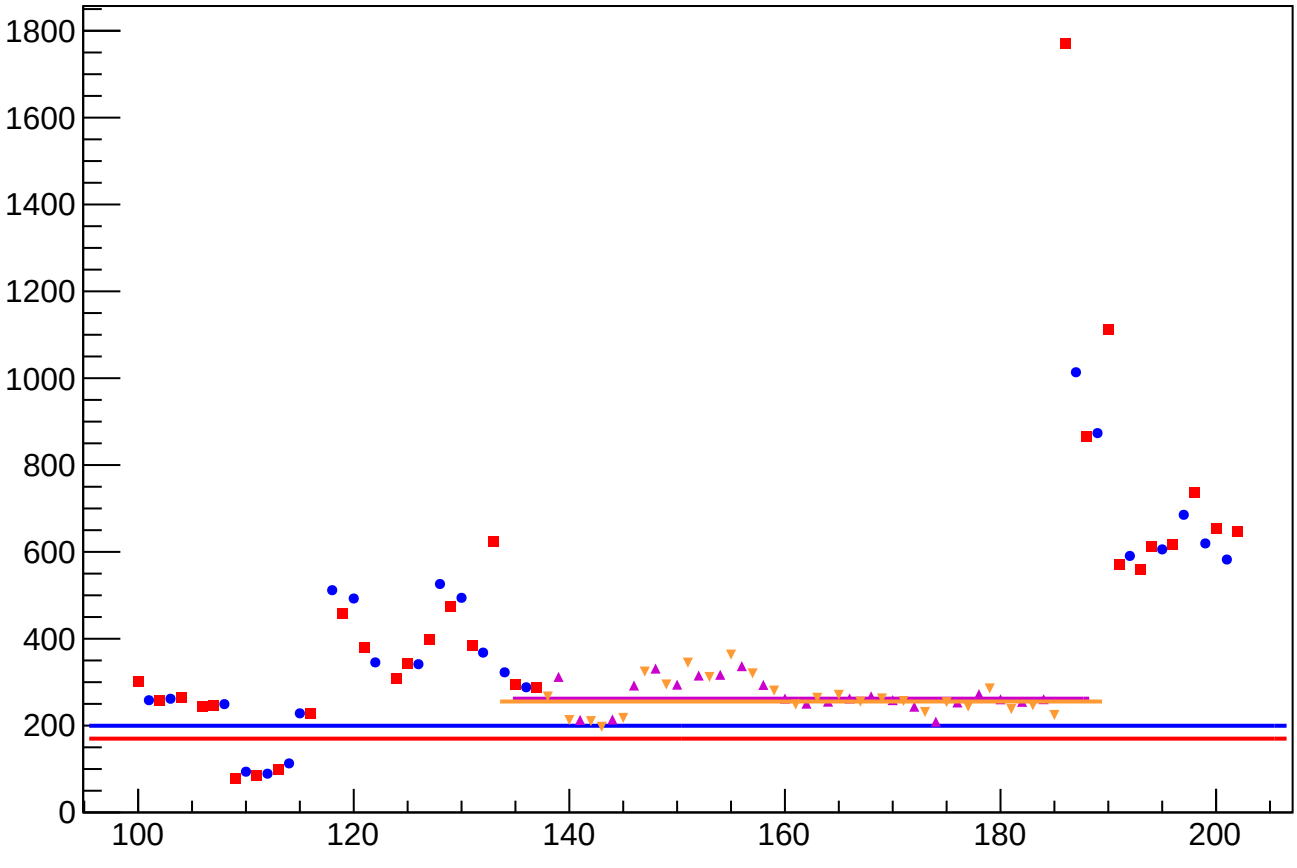
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -43.761+/-47.495 χ^2/NDF: 49.5/51

In: -31.626+/-47.364 χ^2/NDF:55.1/45

Out: -125.255+/-42.751 χ^2/NDF:91.3/53

All: -83.221+/-31.735 χ^2/NDF: 148.6/99



Right In: 199.649+/-0.052 χ^2/NDF: 9713724.5/22

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 169.974+/-0.044 χ^2/NDF: 13670859.3/28

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

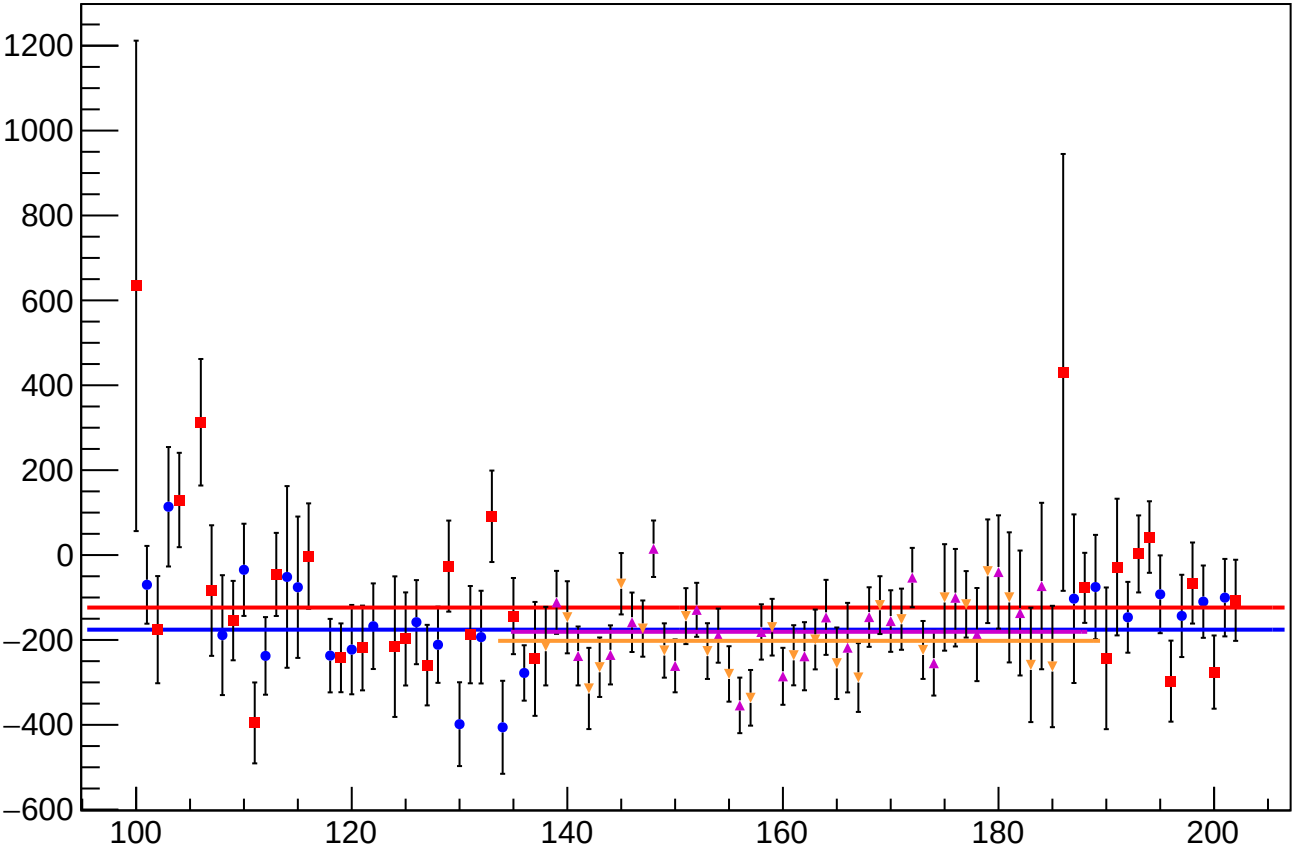
Right: 182.333+/-0.034 χ^2/NDF: 23574317.0/51

In: 236.179+/-0.033 χ^2/NDF:11225460.2/45

Out: 215.050+/-0.030 χ^2/NDF:16528475.1/53

All: 224.536+/-0.022 χ^2/NDF: 27973252.2/99

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -175.779+/-21.065 χ^2/NDF: 24.4/22

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -123.675+/-20.038 χ^2/NDF: 52.4/28

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

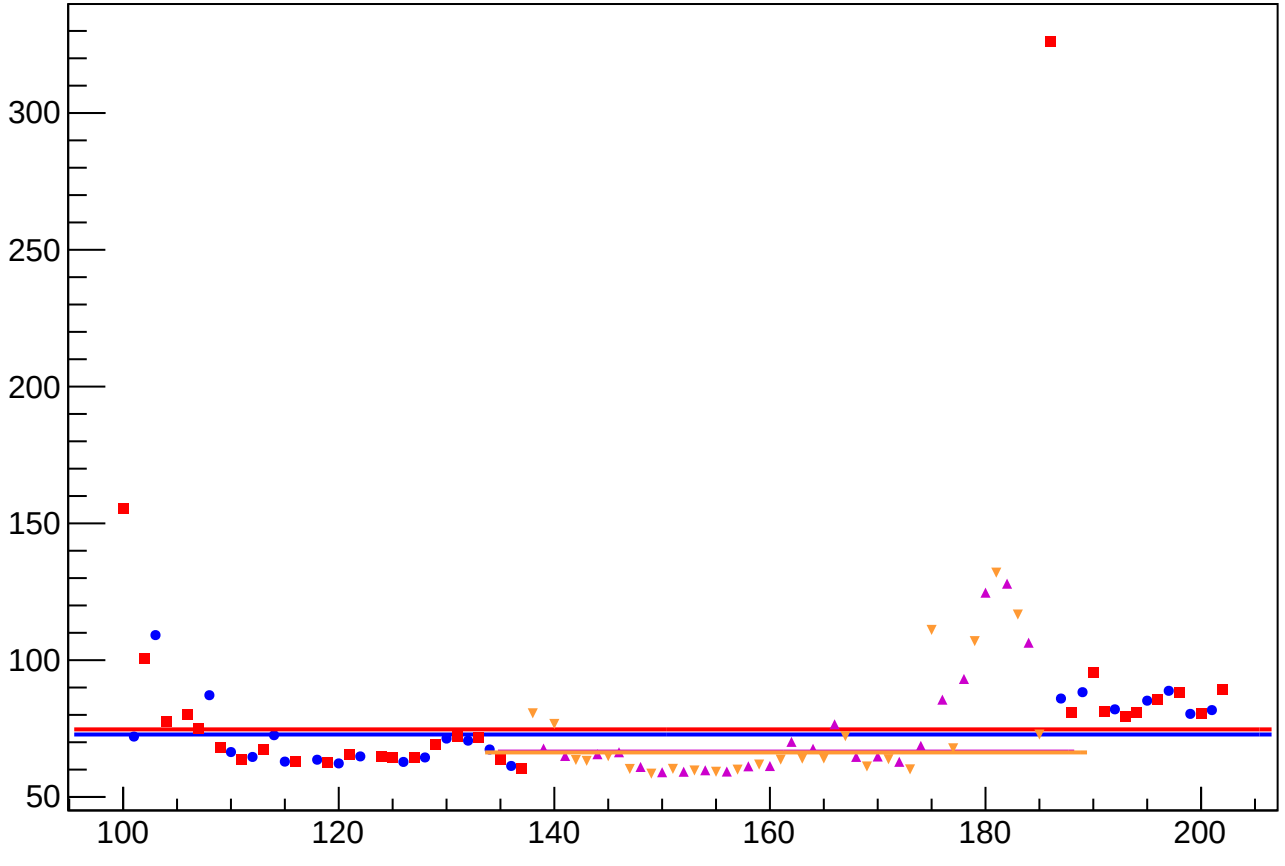
Right: -148.426+/-14.518 χ^2/NDF: 80.0/51

In: -178.950+/-12.751 χ^2/NDF:54.6/45

Out: -172.645+/-12.279 χ^2/NDF:83.4/53

All: -175.679+/-8.845 χ^2/NDF: 138.2/99

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.833+/-0.015 χ^2/NDF: 536423.4/22

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.706+/-0.014 χ^2/NDF: 1023746.2/28

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

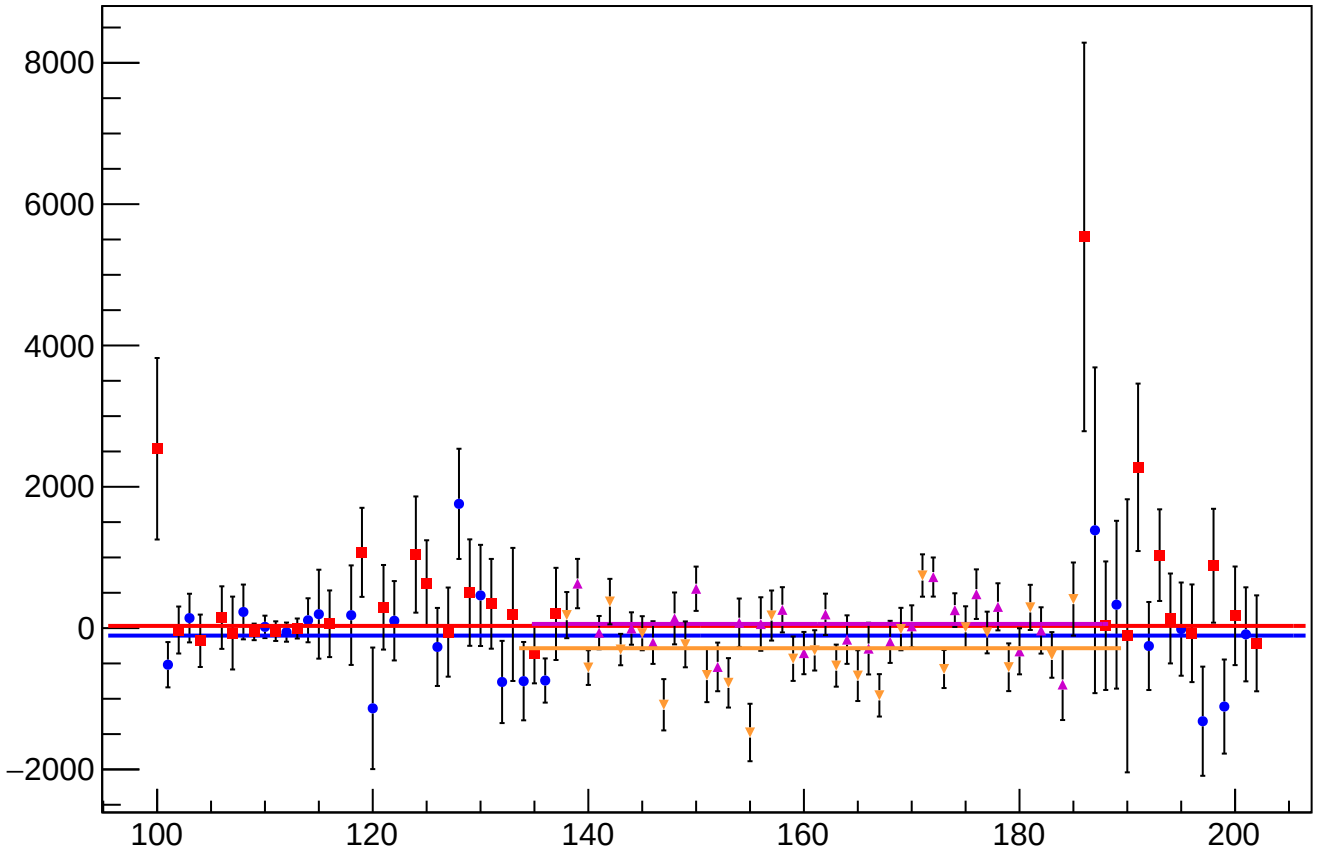
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.816+/-0.010 χ^2/NDF: 1568472.2/51

In: 68.874+/-0.009 χ^2/NDF:1806127.9/45

Out: 69.443+/-0.009 χ^2/NDF:2638537.0/53

All: 69.170+/-0.006 χ^2/NDF: 4446730.5/99



Right In: -105.959+/-75.915 χ^2/NDF: 24.7/22

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 31.194+/-63.859 χ^2/NDF: 23.5/28

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

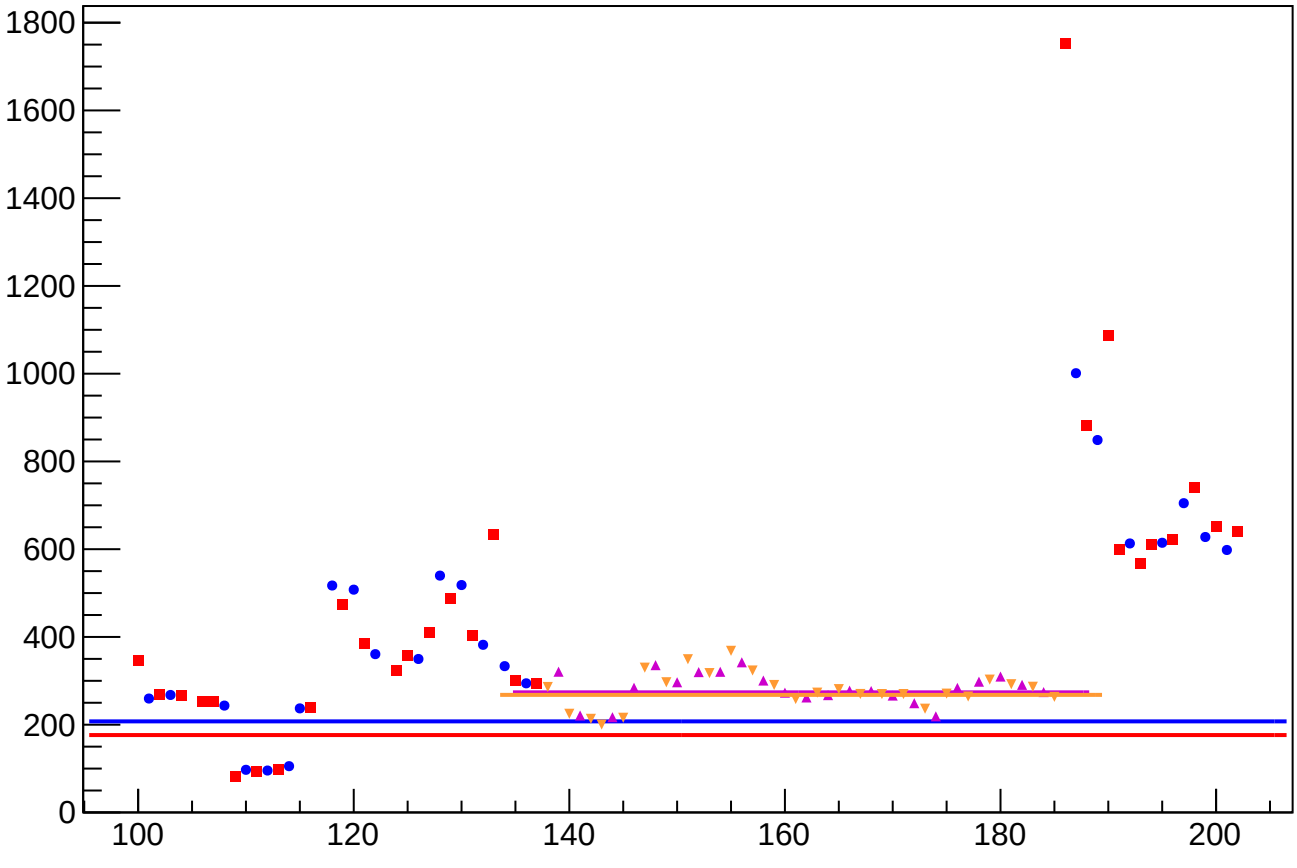
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

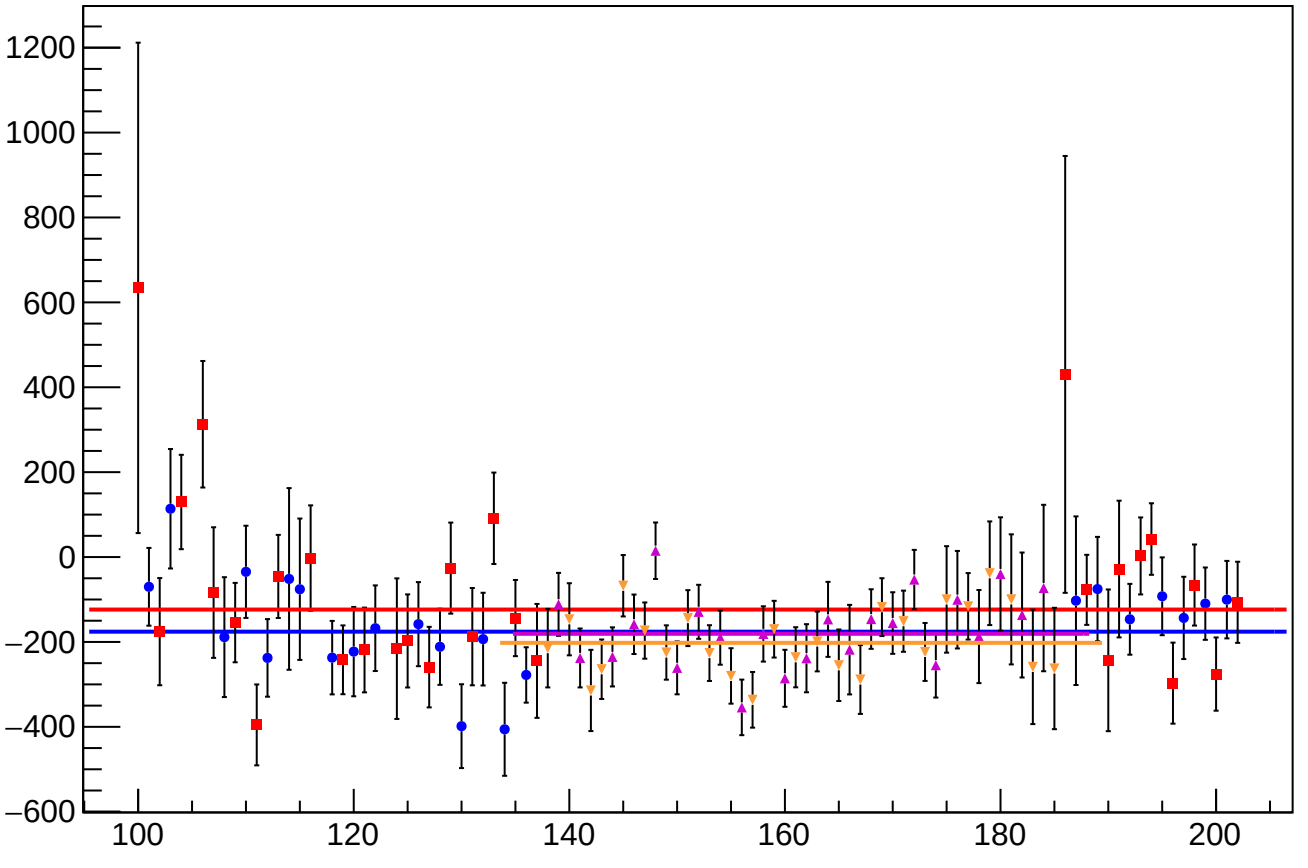
Right: -25.639+/-48.869 χ^2/NDF: 50.1/51

In: -10.233+/-49.214 χ^2/NDF:54.2/45

Out: -131.984+/-44.382 χ^2/NDF:90.8/53

All: -77.377+/-32.959 χ^2/NDF: 148.4/99


asym_sam8_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 207.584+/-0.054 χ²/NDF: 9514088.8/22
Left Out: 267.985+/-0.044 χ²/NDF:862786.9/24
Right Out: 176.390+/-0.045 χ²/NDF: 13497860.8/28
Left In: 273.751+/-0.046 χ²/NDF:650295.5/22
Left: 270.736+/-0.032 χ²/NDF: 1521404.4/47
Right: 189.316+/-0.035 χ²/NDF: 23209707.1/51
In: 245.943+/-0.035 χ²/NDF:11045179.4/45
Out: 223.742+/-0.031 χ²/NDF:16487789.2/53
All: 233.700+/-0.023 χ²/NDF: 27757431.0/99



Right In: -175.779+/-21.065 χ^2/NDF: 24.4/22

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -123.675+/-20.038 χ^2/NDF: 52.4/28

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

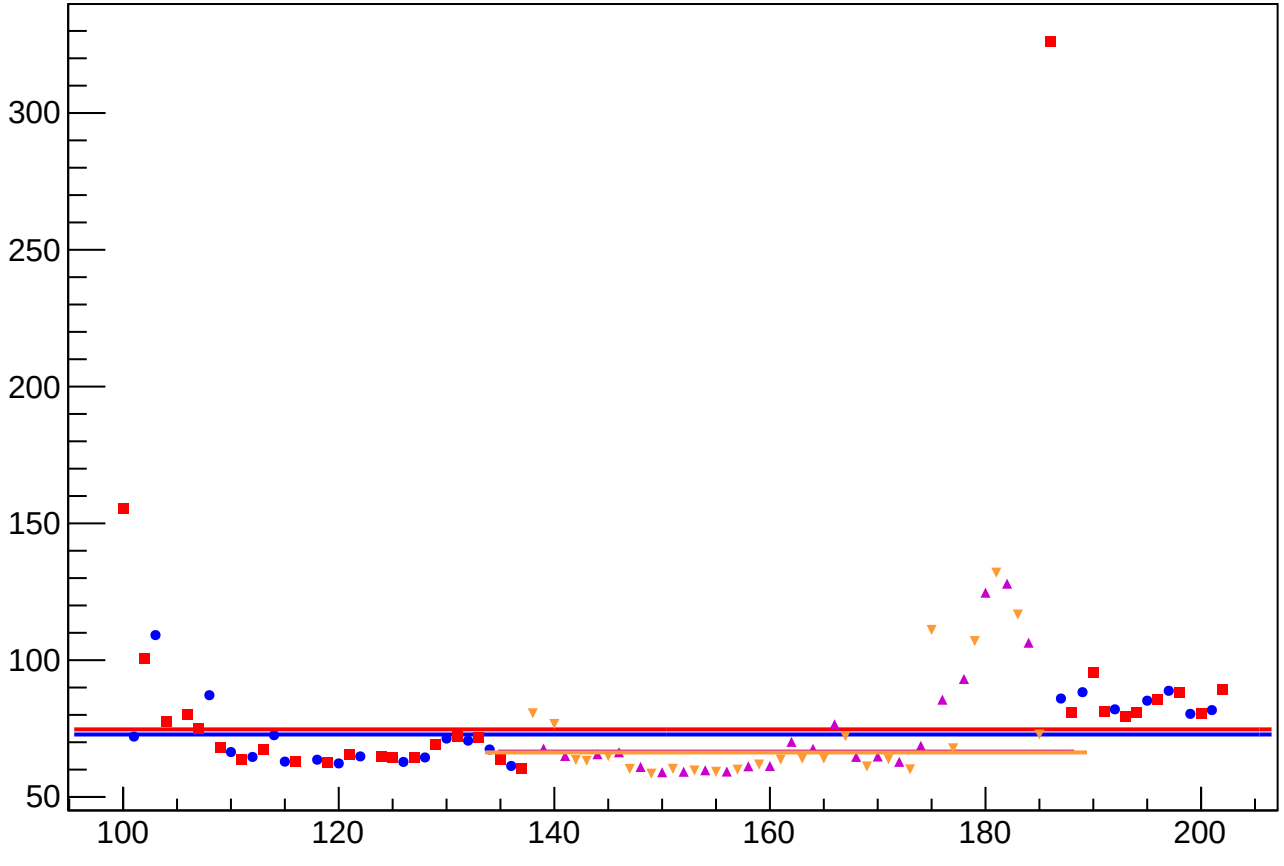
Right: -148.426+/-14.518 χ^2/NDF: 80.0/51

In: -178.951+/-12.751 χ^2/NDF:54.6/45

Out: -172.645+/-12.279 χ^2/NDF:83.4/53

All: -175.679+/-8.845 χ^2/NDF: 138.2/99

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.833+/-0.015 χ^2/NDF: 536426.8/22

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.706+/-0.014 χ^2/NDF: 1023751.5/28

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

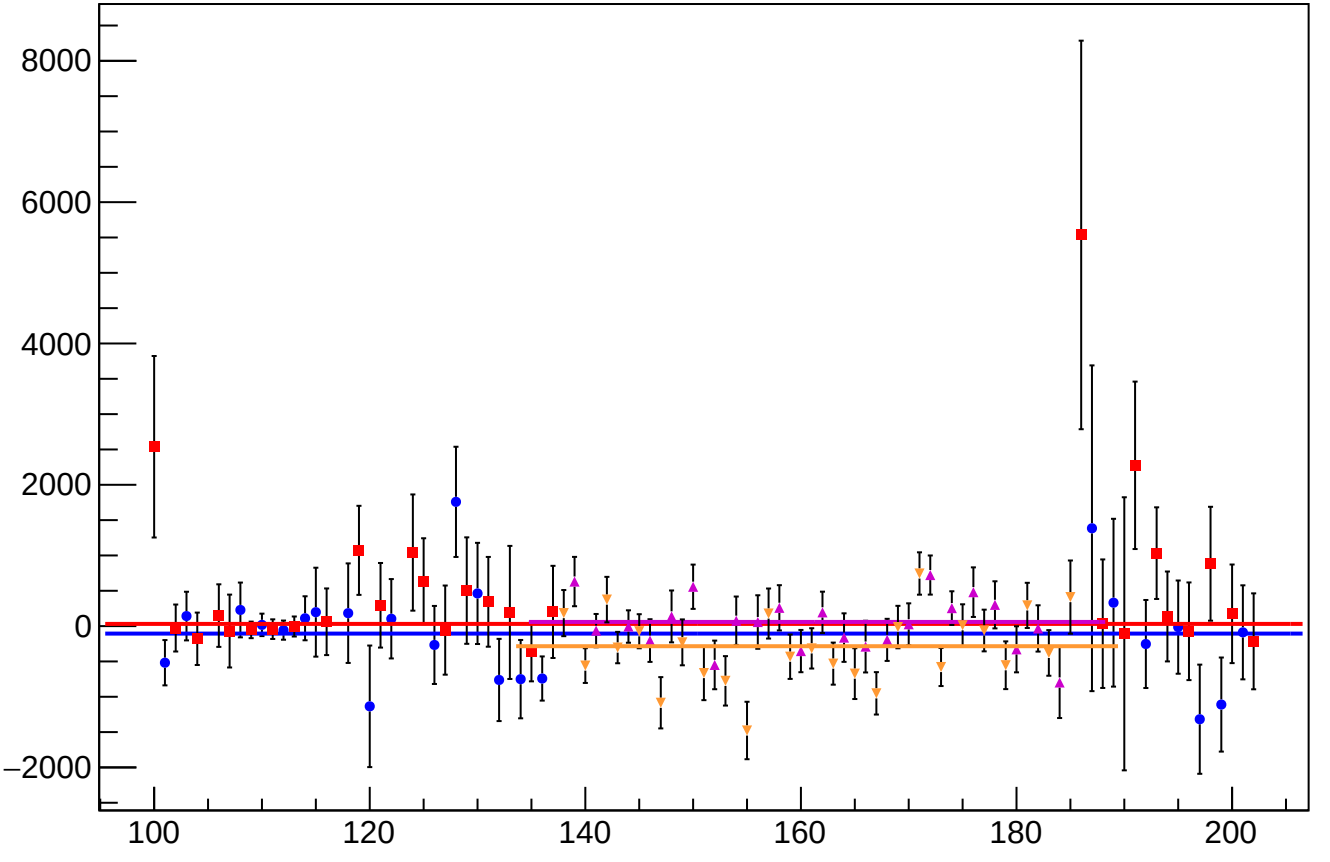
Right: 73.816+/-0.010 χ^2/NDF: 1568480.6/51

In: 68.874+/-0.009 χ^2/NDF:1806117.9/45

Out: 69.443+/-0.009 χ^2/NDF:2638533.6/53

All: 69.170+/-0.006 χ^2/NDF: 4446717.1/99

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -105.957+/-75.915 χ^2/NDF: 24.7/22

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 31.193+/-63.859 χ^2/NDF: 23.5/28

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

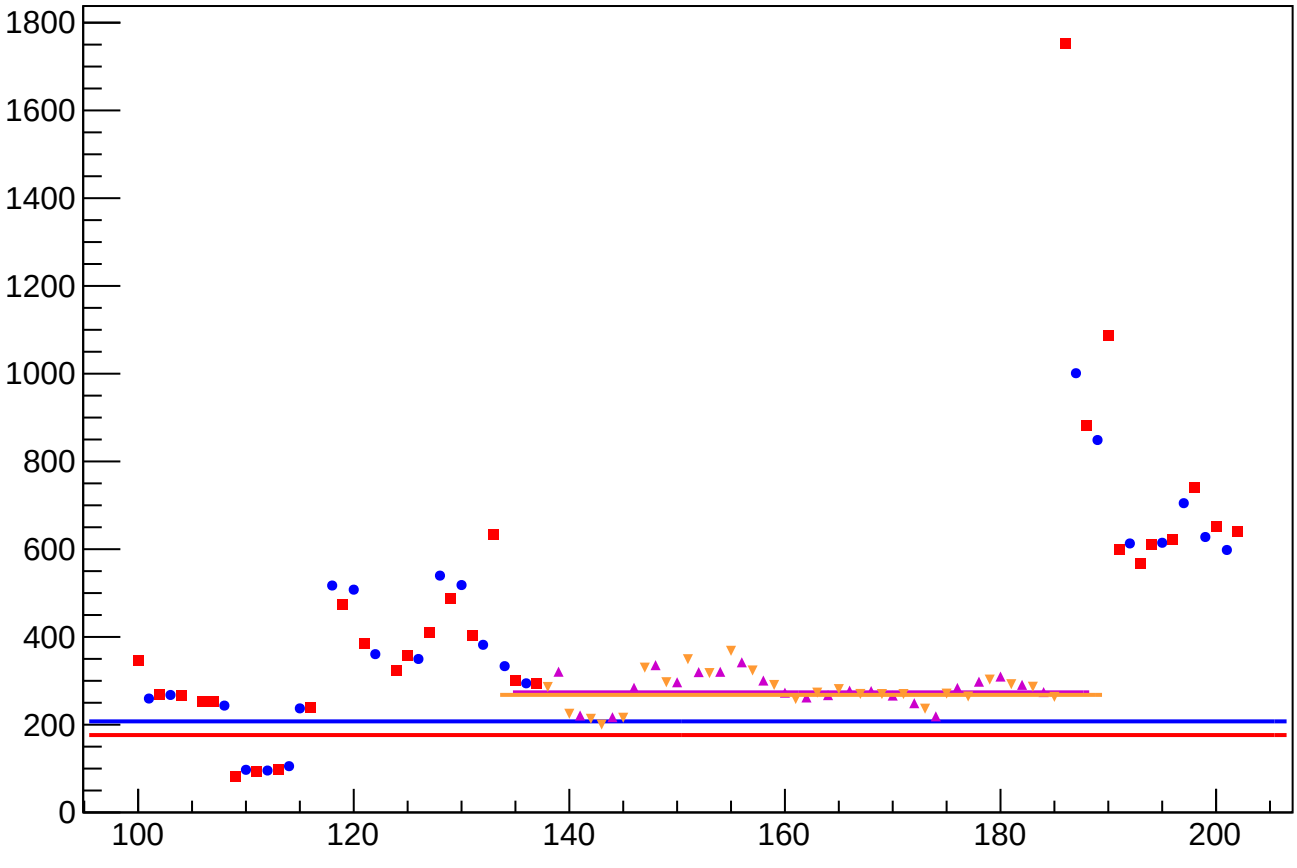
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -25.639+/-48.868 χ^2/NDF: 50.1/51

In: -10.233+/-49.214 χ^2/NDF:54.2/45

Out: -131.984+/-44.382 χ^2/NDF:90.8/53

All: -77.377+/-32.959 χ^2/NDF: 148.4/99



Right In: 207.583+/-0.054 χ^2/NDF: 9514135.4/22

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 176.390+/-0.045 χ^2/NDF: 13497842.1/28

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

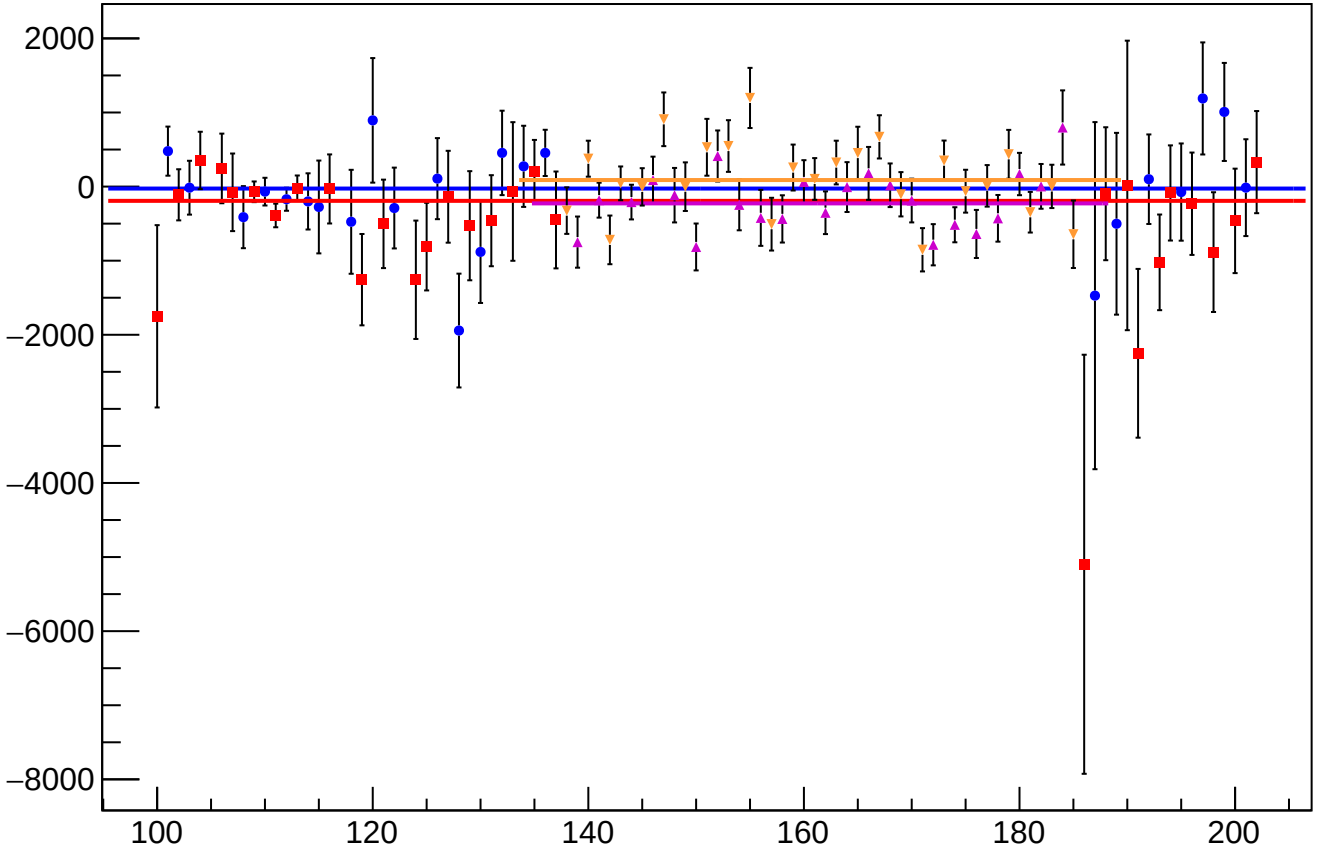
Right: 189.316+/-0.035 χ^2/NDF: 23209721.3/51

In: 245.942+/-0.035 χ^2/NDF:11045258.8/45

Out: 223.741+/-0.031 χ^2/NDF:16487768.0/53

All: 233.699+/-0.023 χ^2/NDF: 27757477.6/99

asym_sam8_mean vs Slug, Sign Corrected



Right In: -26.475+/-83.122 χ^2/NDF: 23.1/22

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -192.499+/-71.672 χ^2/NDF: 25.0/28

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

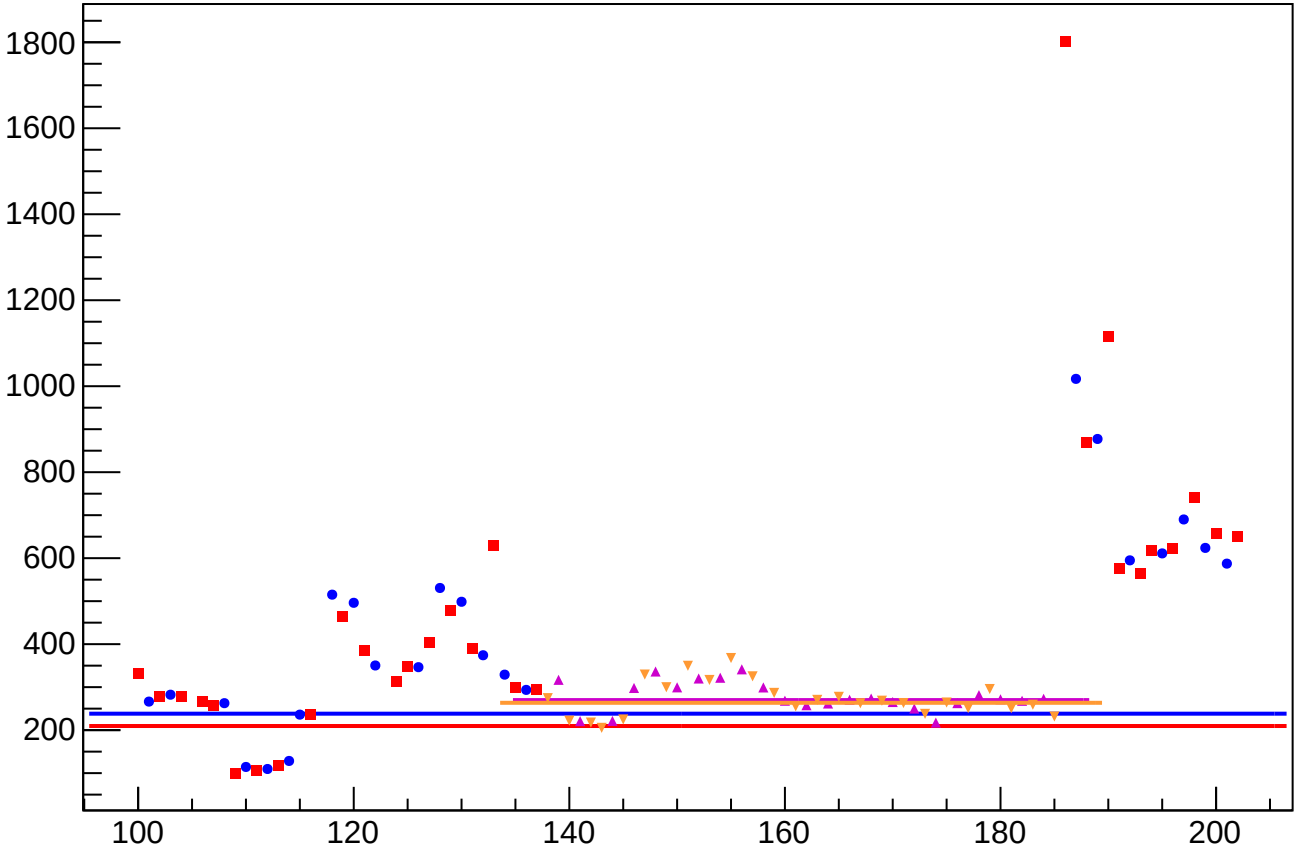
Right: -121.701+/-54.280 χ^2/NDF: 50.4/51

In: -152.757+/-50.549 χ^2/NDF:55.6/45

Out: -28.851+/-46.305 χ^2/NDF:86.2/53

All: -85.385+/-34.145 χ^2/NDF: 145.1/99

asym_sam8_rms vs Slug, Sign Corrected



Right In: 238.279+/-0.059 χ^2/NDF: 8004482.0/22

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 209.595+/-0.051 χ^2/NDF: 11695279.5/28

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

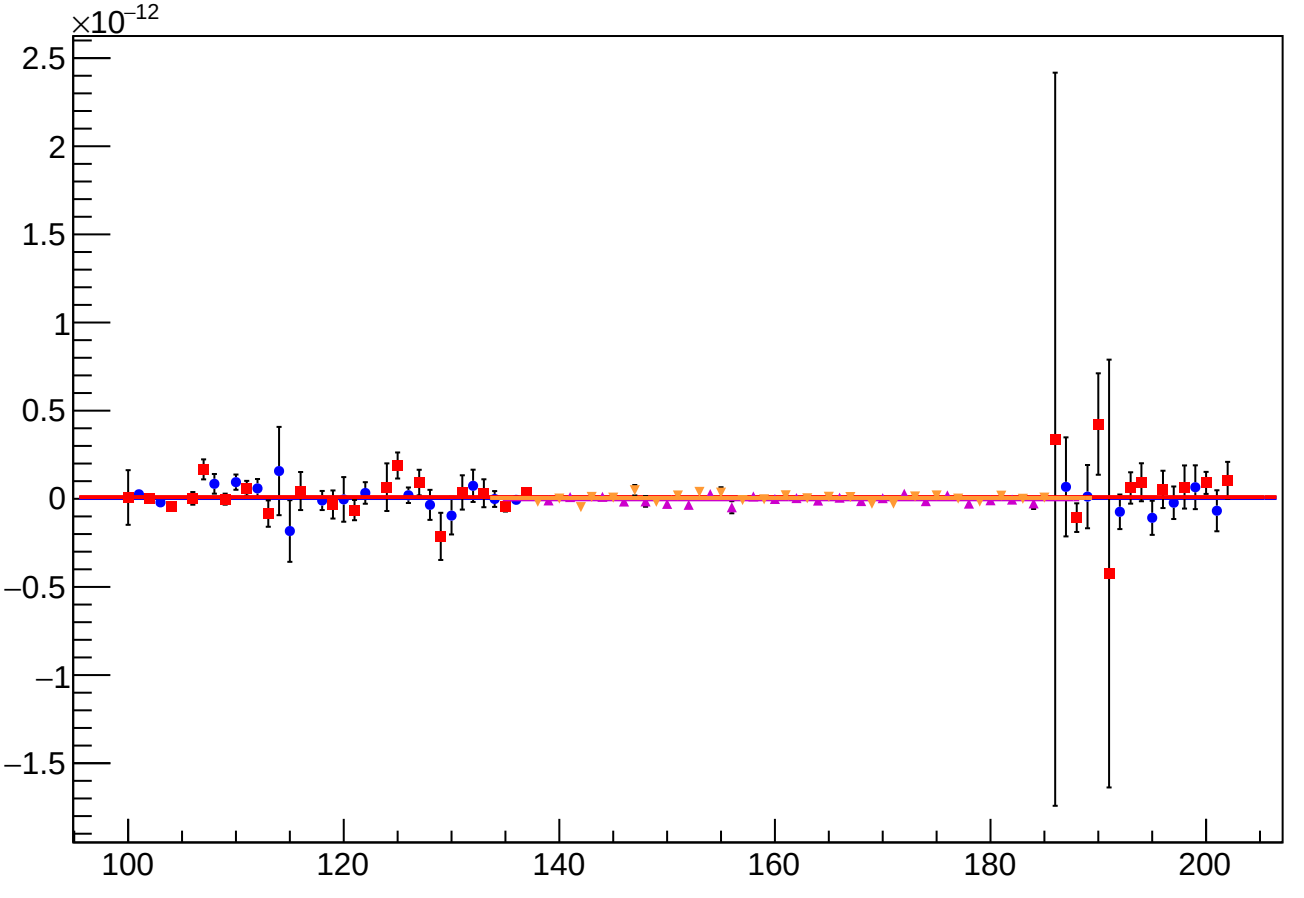
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 221.827+/-0.038 χ^2/NDF: 19836364.9/51

In: 258.204+/-0.036 χ^2/NDF:8789099.4/45

Out: 241.054+/-0.033 χ^2/NDF:13136517.2/53

All: 248.879+/-0.024 χ^2/NDF: 22050800.0/99



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/28

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

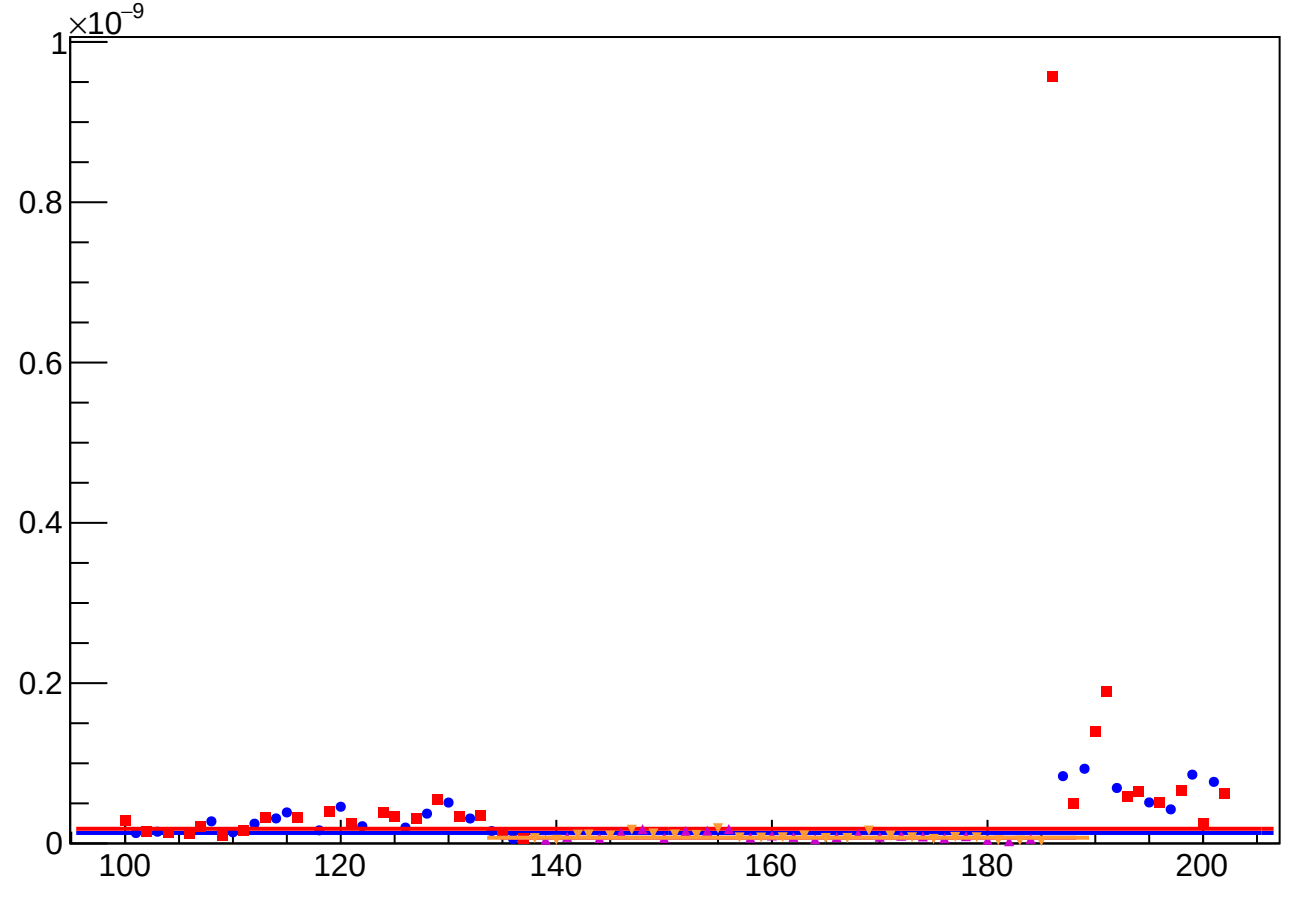
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 55.5/51

In: -0.000+/-0.000 χ^2/NDF:38.8/45

Out: 0.000+/-0.000 χ^2/NDF:66.9/53

All: 0.000+/-0.000 χ^2/NDF: 108.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 4862788.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4348255.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

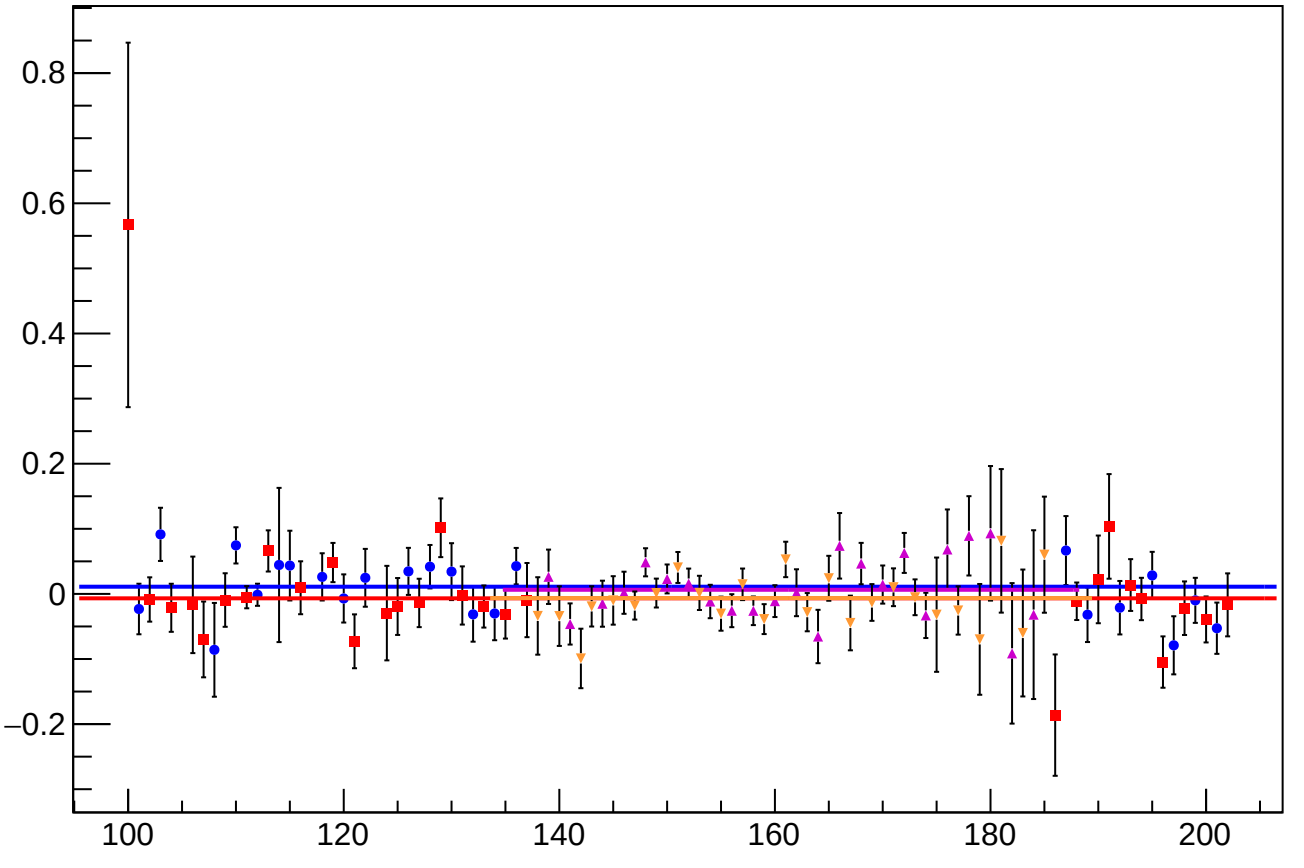
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 9551247.8/51

In: 0.000+/-0.000 χ^2/NDF:7868209.7/45

Out: 0.000+/-0.000 χ^2/NDF:8698176.3/53

All: 0.000+/-0.000 χ^2/NDF: 16573890.1/99



Right In: 0.011+/-0.008 χ^2/NDF: 28.1/22

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.7/28

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

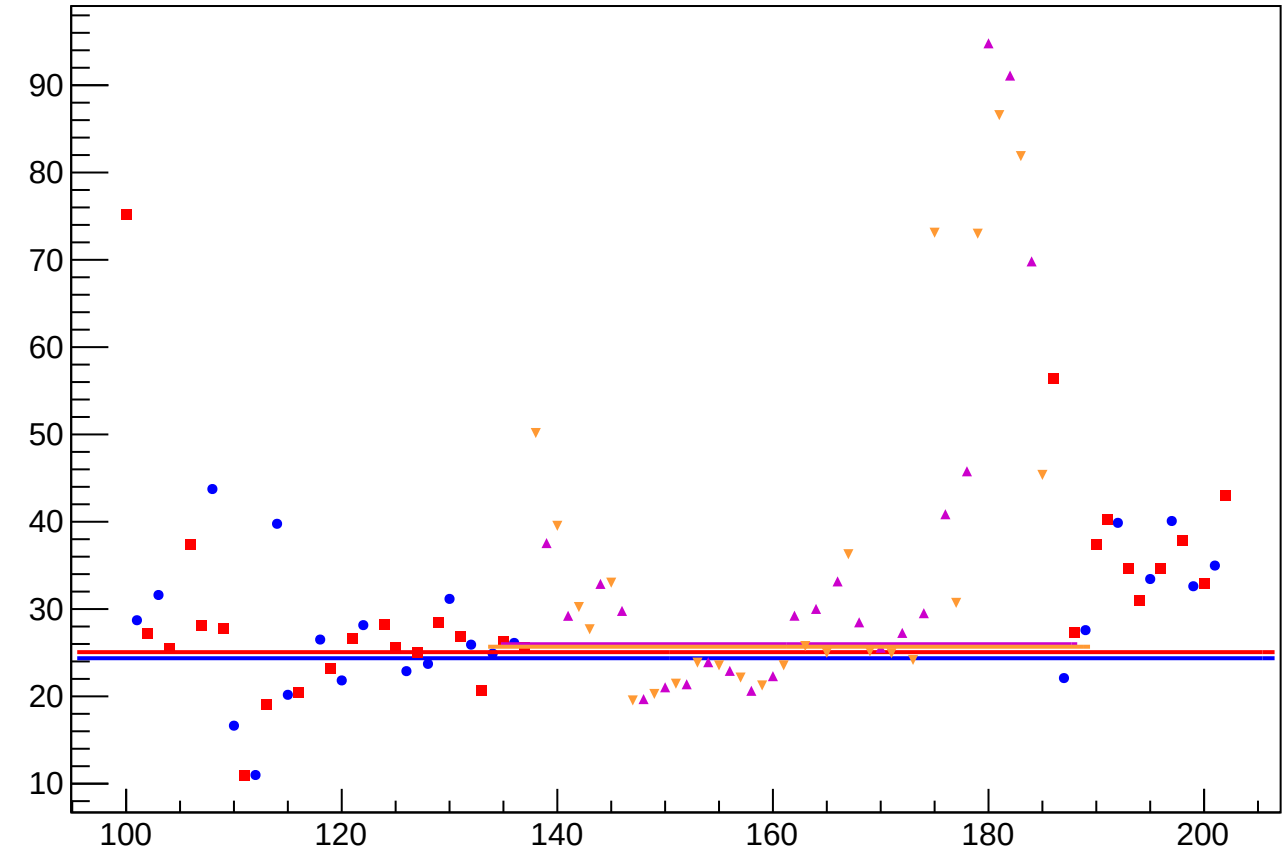
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.002+/-0.005 χ^2/NDF: 67.7/51

In: 0.008+/-0.005 χ^2/NDF:56.7/45

Out: -0.007+/-0.005 χ^2/NDF:59.3/53

All: 0.001+/-0.003 χ^2/NDF: 120.7/99



Right In: 24.367+/-0.005 χ^2/NDF: 2700411.6/22

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.065+/-0.005 χ^2/NDF: 2932252.5/28

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

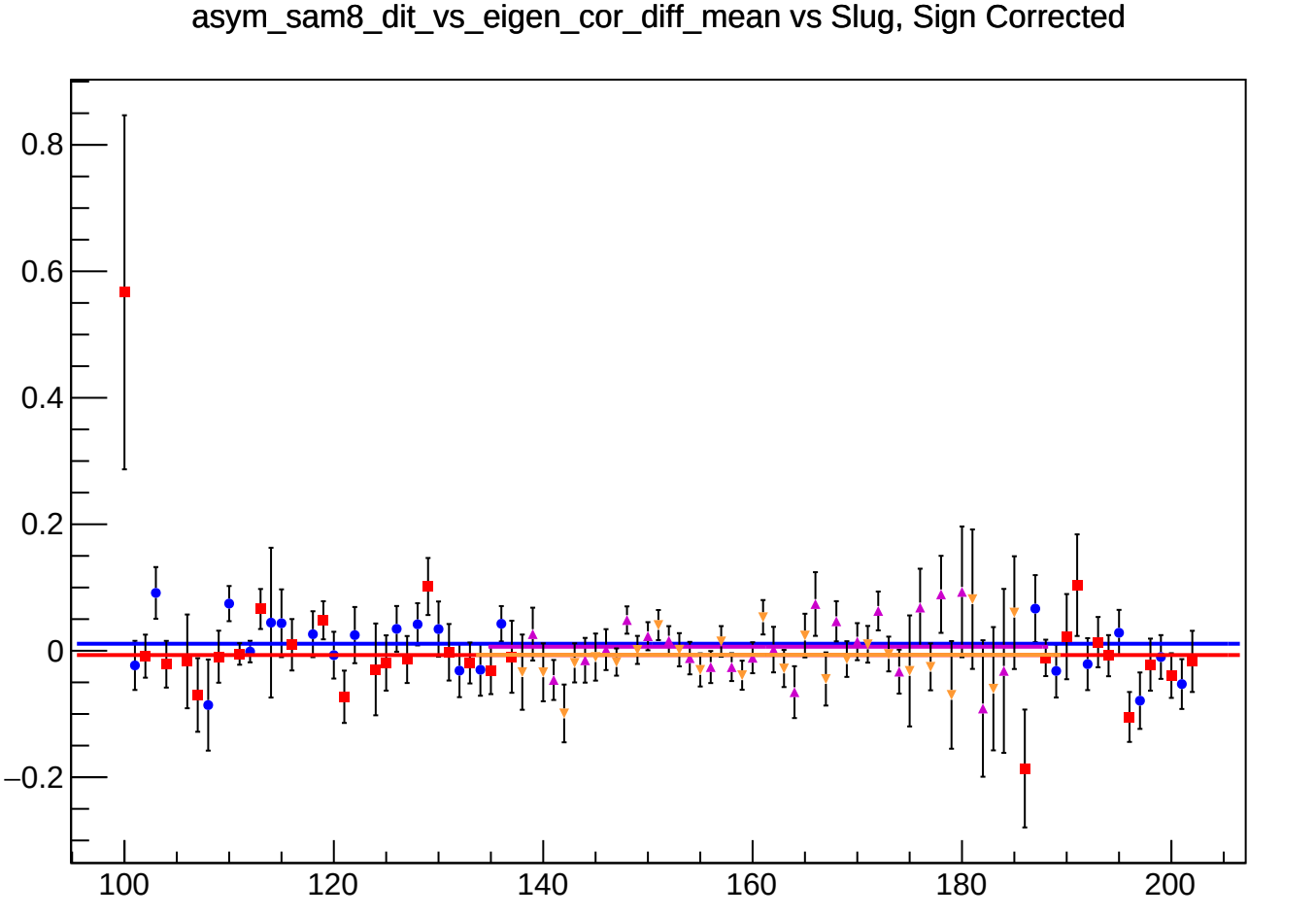
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

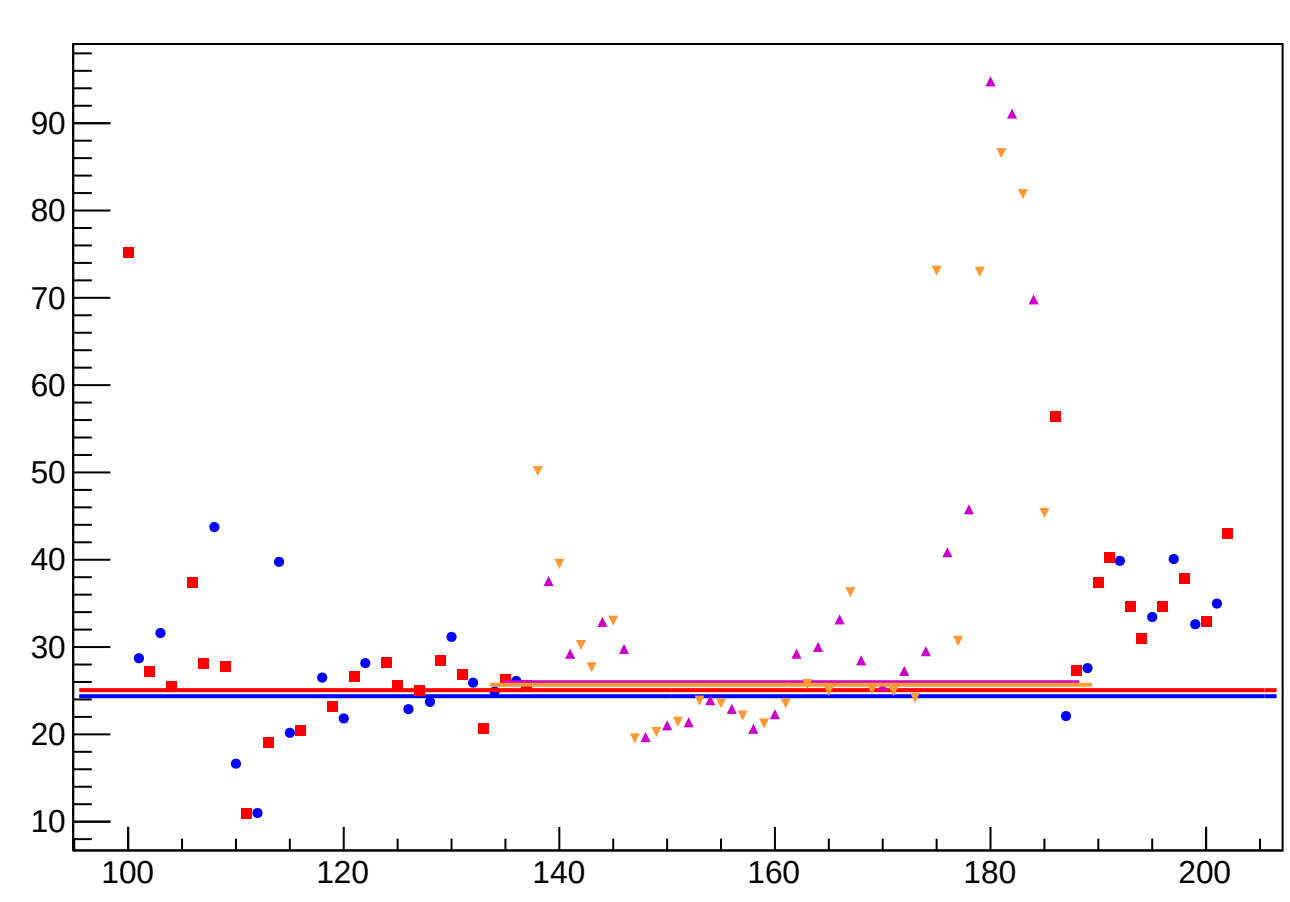
Right: 24.735+/-0.004 χ^2/NDF: 5641663.6/51

In: 25.274+/-0.004 χ^2/NDF:5869743.3/45

Out: 25.409+/-0.003 χ^2/NDF:6812152.5/53

All: 25.345+/-0.002 χ^2/NDF: 12682666.4/99


asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.011+/-0.008 χ²/NDF: 28.1/22
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.007+/-0.007 χ²/NDF: 36.7/28
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: 0.002+/-0.005 χ²/NDF: 67.7/51
In: 0.008+/-0.005 χ²/NDF:56.7/45
Out: -0.007+/-0.005 χ²/NDF:59.3/53
All: 0.001+/-0.003 χ²/NDF: 120.7/99



Right In: 24.367+/-0.005 χ^2/NDF: 2700411.6/22

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.065+/-0.005 χ^2/NDF: 2932252.5/28

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

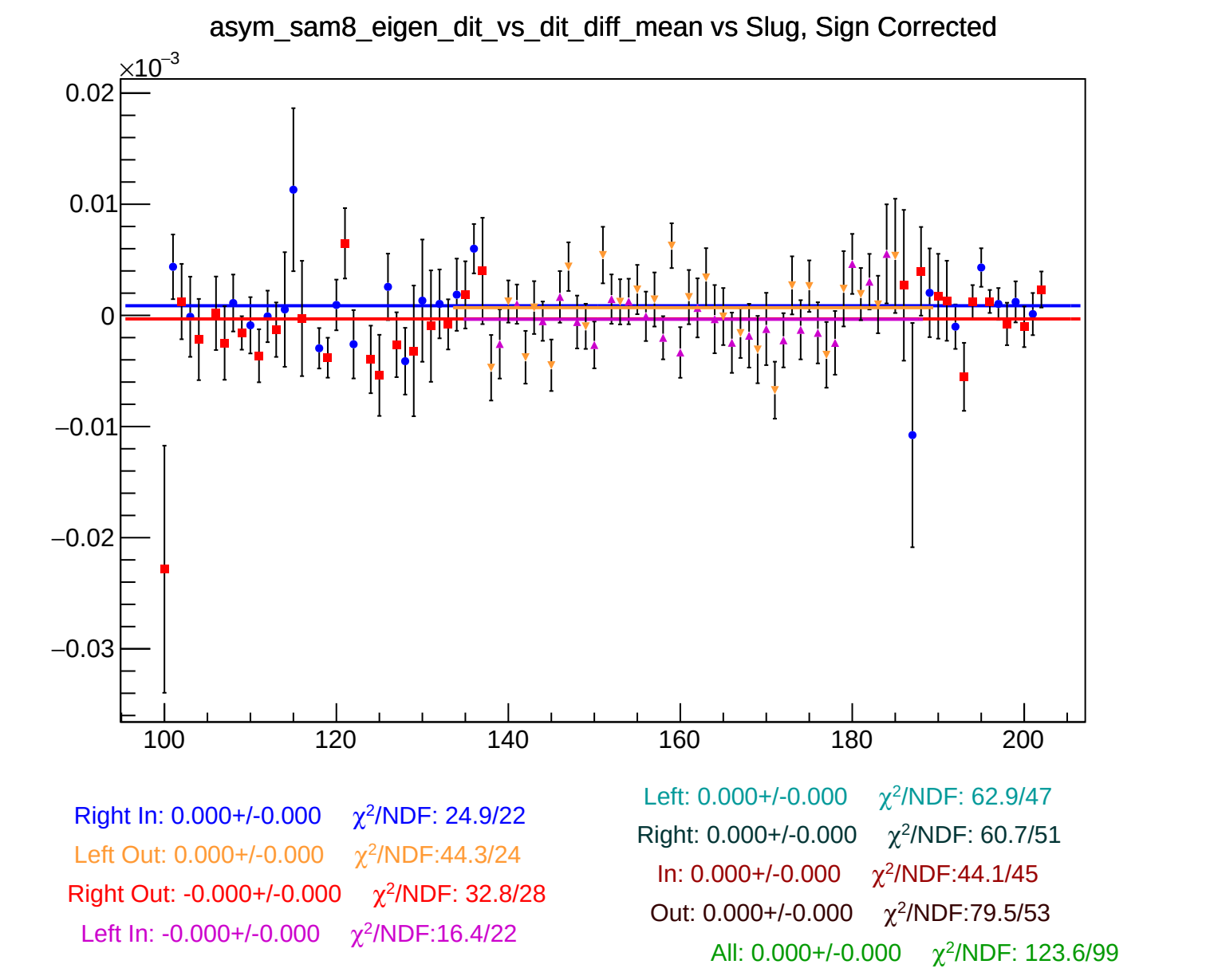
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

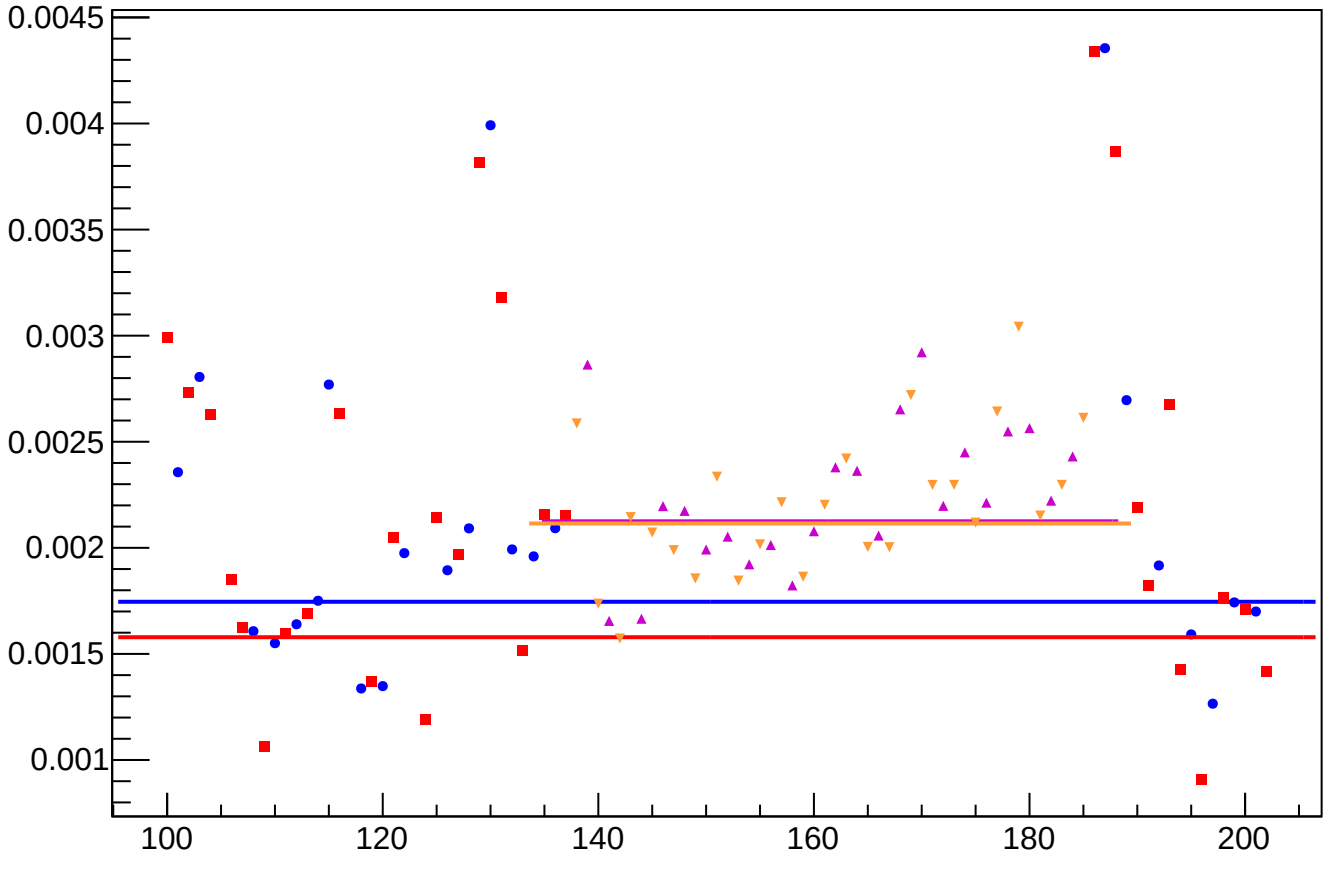
Right: 24.735+/-0.004 χ^2/NDF: 5641663.6/51

In: 25.274+/-0.004 χ^2/NDF:5869743.3/45

Out: 25.409+/-0.003 χ^2/NDF:6812152.5/53

All: 25.345+/-0.002 χ^2/NDF: 12682666.4/99


asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.9/22
Left Out: 0.000+/-0.000 χ²/NDF:44.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/28
Left In: -0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 62.9/47
Right: 0.000+/-0.000 χ²/NDF: 60.7/51
In: 0.000+/-0.000 χ²/NDF:44.1/45
Out: 0.000+/-0.000 χ²/NDF:79.5/53
All: 0.000+/-0.000 χ²/NDF: 123.6/99



Right In: 0.002+/-0.000 χ^2/NDF: 1433790.5/22

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3768798.6/28

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

Left: 0.002+/-0.000 χ^2/NDF: 1581867.2/47

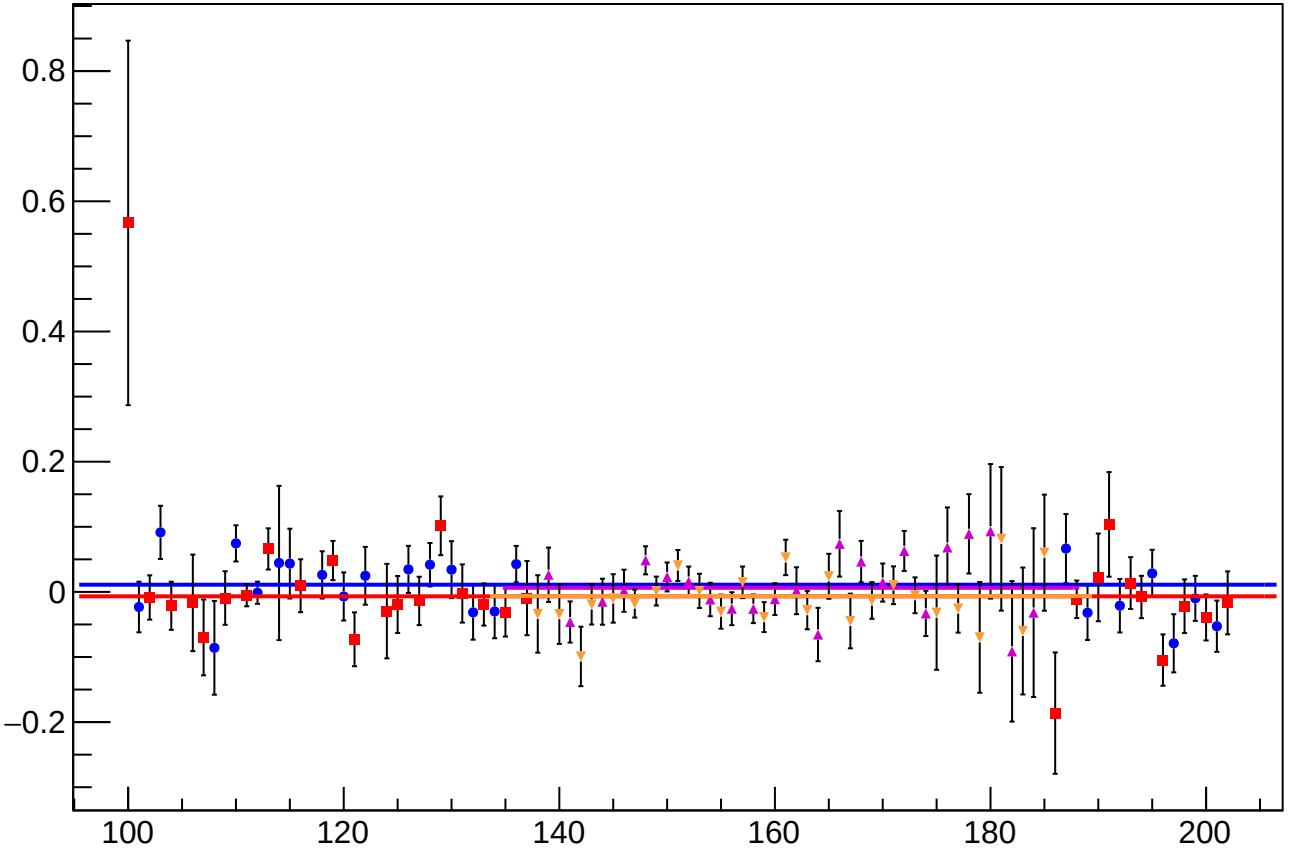
Right: 0.002+/-0.000 χ^2/NDF: 5321327.8/51

In: 0.002+/-0.000 χ^2/NDF:2822176.0/45

Out: 0.002+/-0.000 χ^2/NDF:5825168.5/53

All: 0.002+/-0.000 χ^2/NDF: 8759901.9/99

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.008 χ^2/NDF: 28.1/22

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.7/28

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

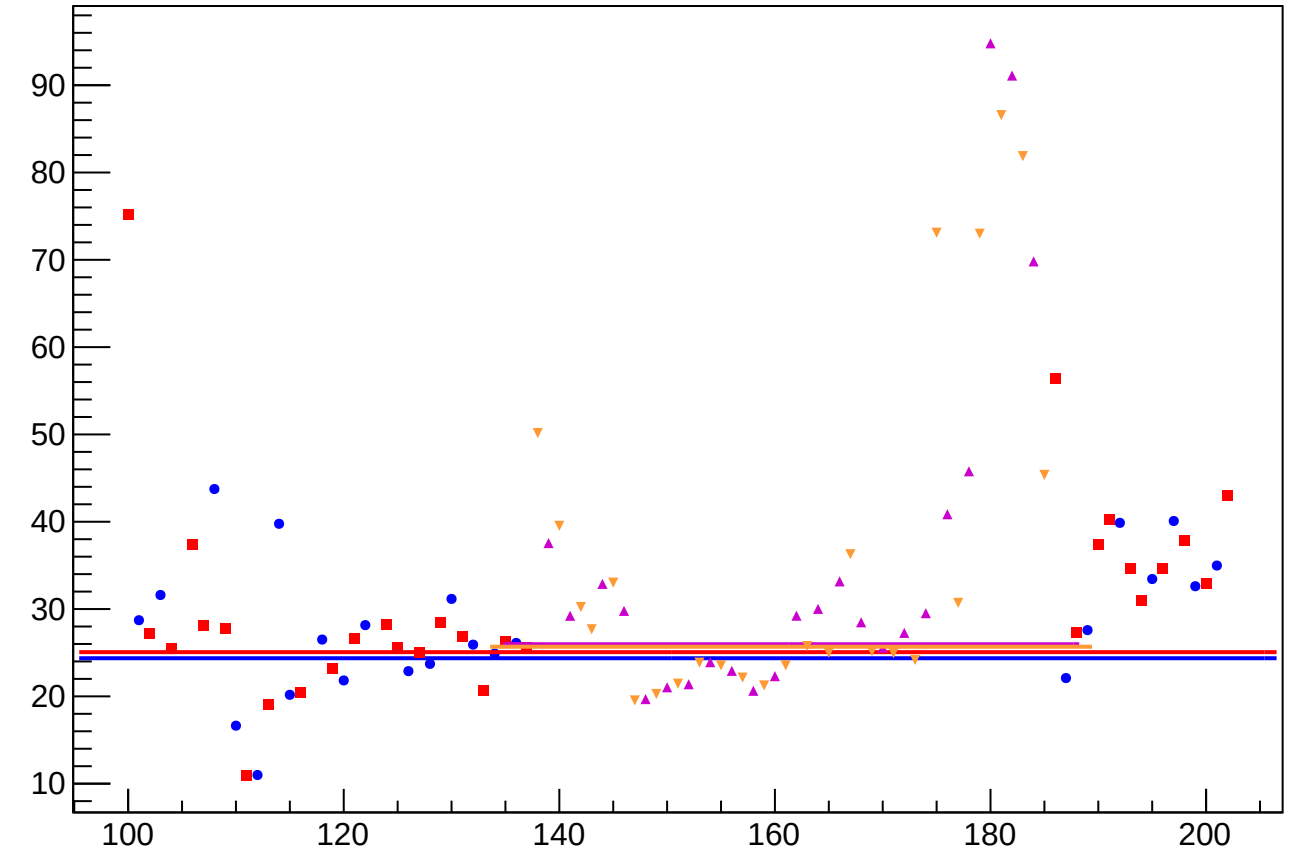
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.002+/-0.005 χ^2/NDF: 67.7/51

In: 0.008+/-0.005 χ^2/NDF:56.7/45

Out: -0.007+/-0.005 χ^2/NDF:59.3/53

All: 0.001+/-0.003 χ^2/NDF: 120.7/99



Right In: 24.366+/-0.005 χ^2/NDF: 2700644.8/22

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.064+/-0.005 χ^2/NDF: 2932508.6/28

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

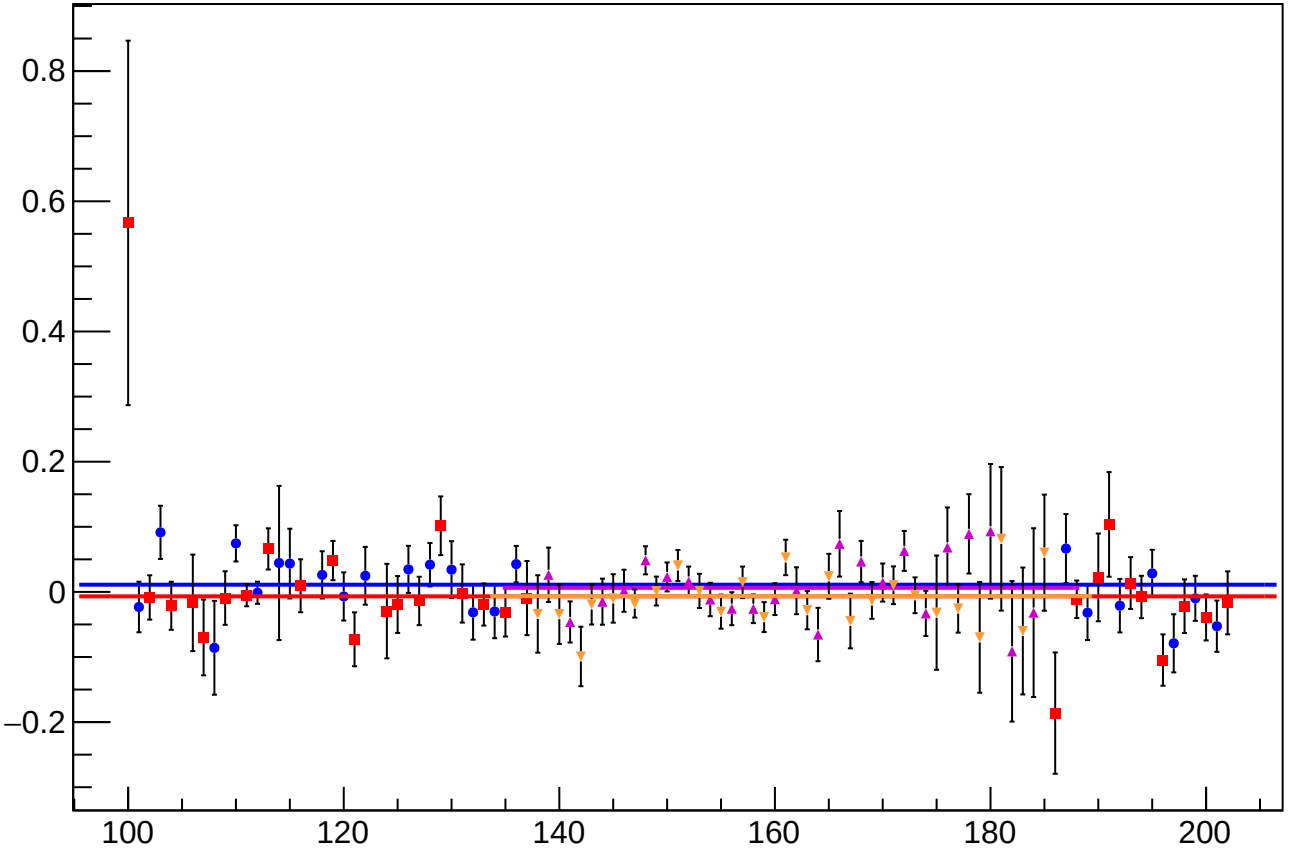
Right: 24.734+/-0.004 χ^2/NDF: 5642151.2/51

In: 25.274+/-0.004 χ^2/NDF:5870000.4/45

Out: 25.409+/-0.003 χ^2/NDF:6812431.8/53

All: 25.344+/-0.002 χ^2/NDF: 12683202.2/99

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.008 χ^2/NDF: 28.1/22

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.7/28

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

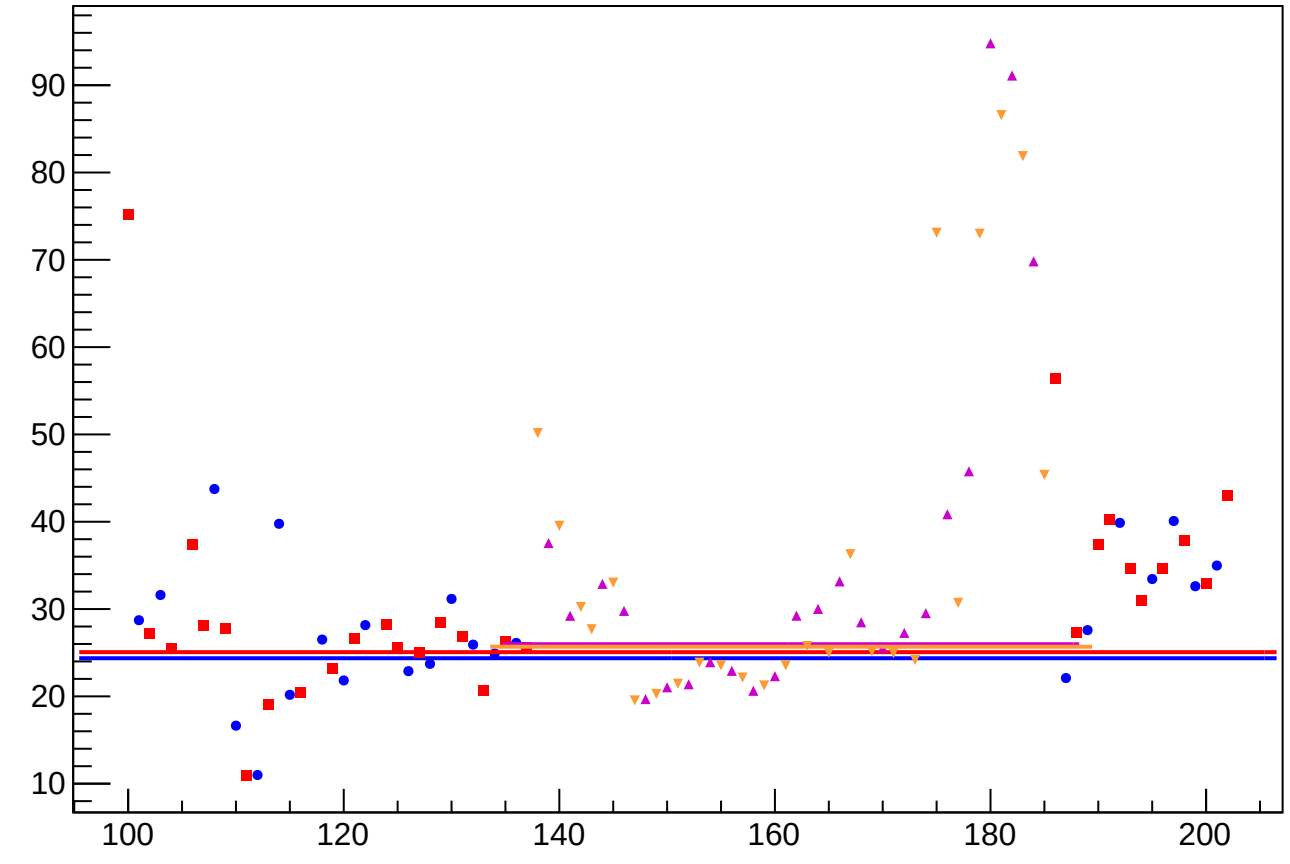
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.002+/-0.005 χ^2/NDF: 67.7/51

In: 0.008+/-0.005 χ^2/NDF:56.7/45

Out: -0.007+/-0.005 χ^2/NDF:59.3/53

All: 0.001+/-0.003 χ^2/NDF: 120.7/99



Right In: 24.366+/-0.005 χ^2/NDF: 2700644.8/22

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.064+/-0.005 χ^2/NDF: 2932508.6/28

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

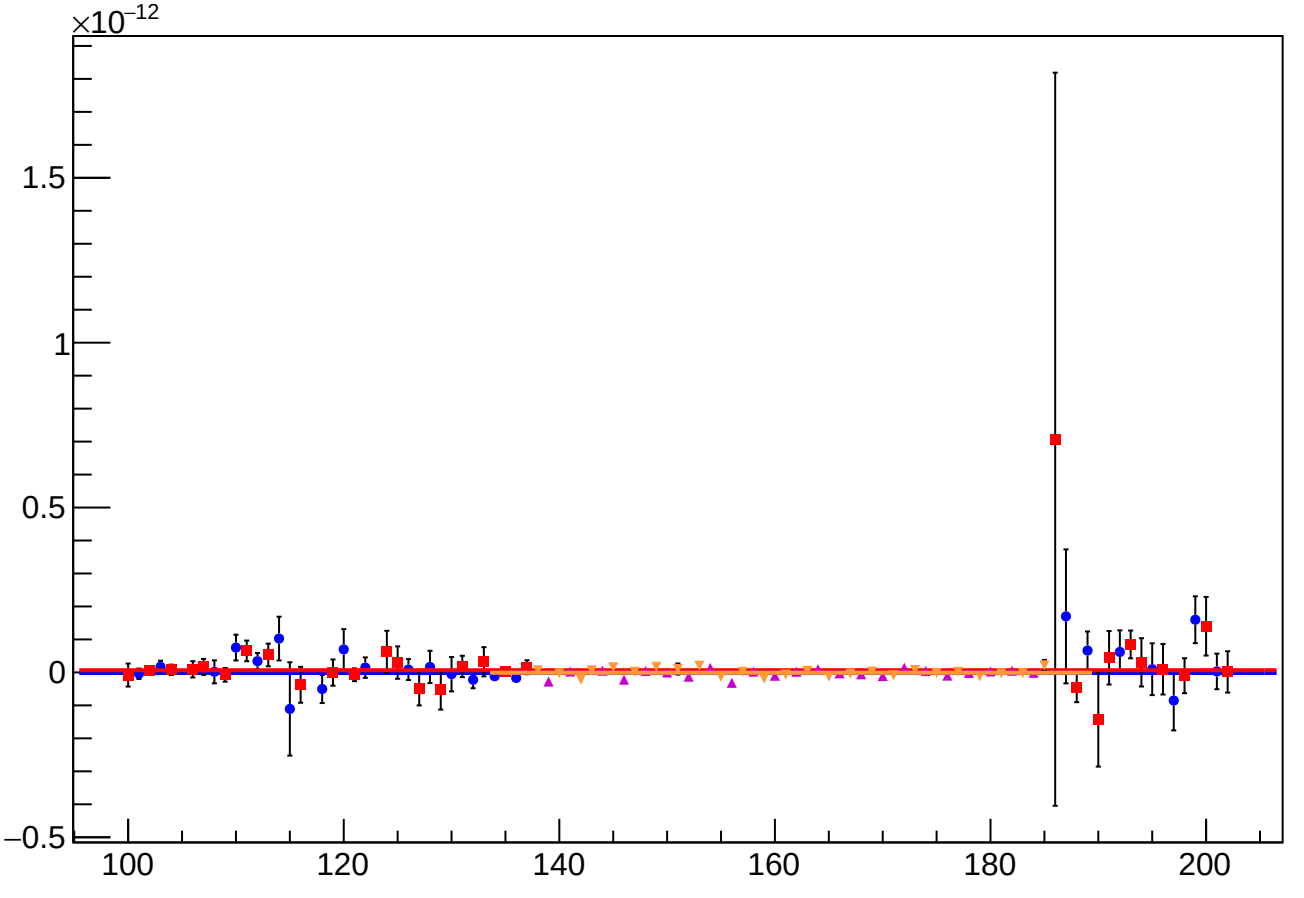
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 24.734+/-0.004 χ^2/NDF: 5642151.2/51

In: 25.274+/-0.004 χ^2/NDF:5870000.4/45

Out: 25.409+/-0.003 χ^2/NDF:6812431.8/53

All: 25.344+/-0.002 χ^2/NDF: 12683202.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/28

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

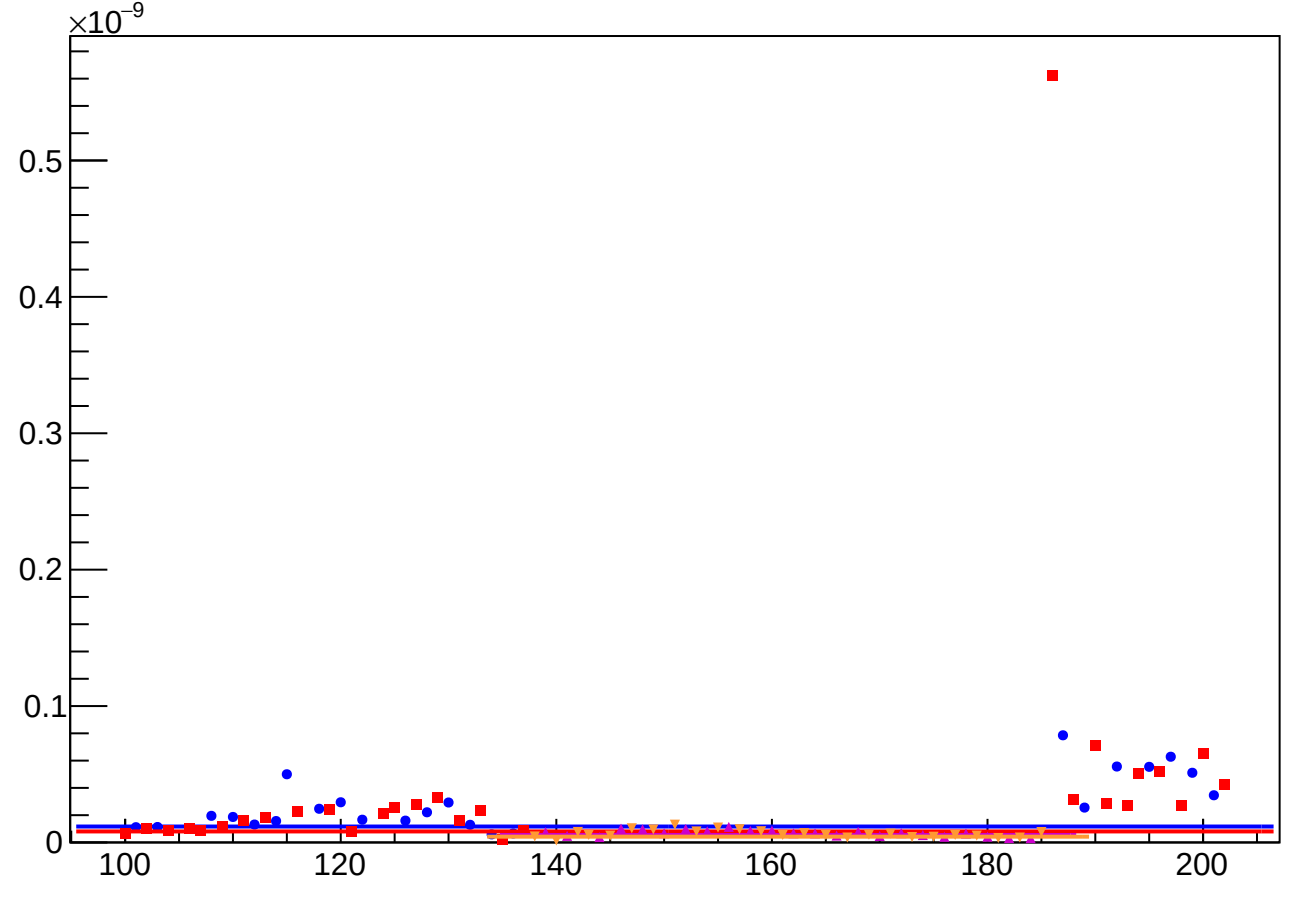
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.2/51

In: -0.000+/-0.000 χ^2/NDF:56.1/45

Out: -0.000+/-0.000 χ^2/NDF:52.0/53

All: -0.000+/-0.000 χ^2/NDF: 108.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 5540953.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9184062.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

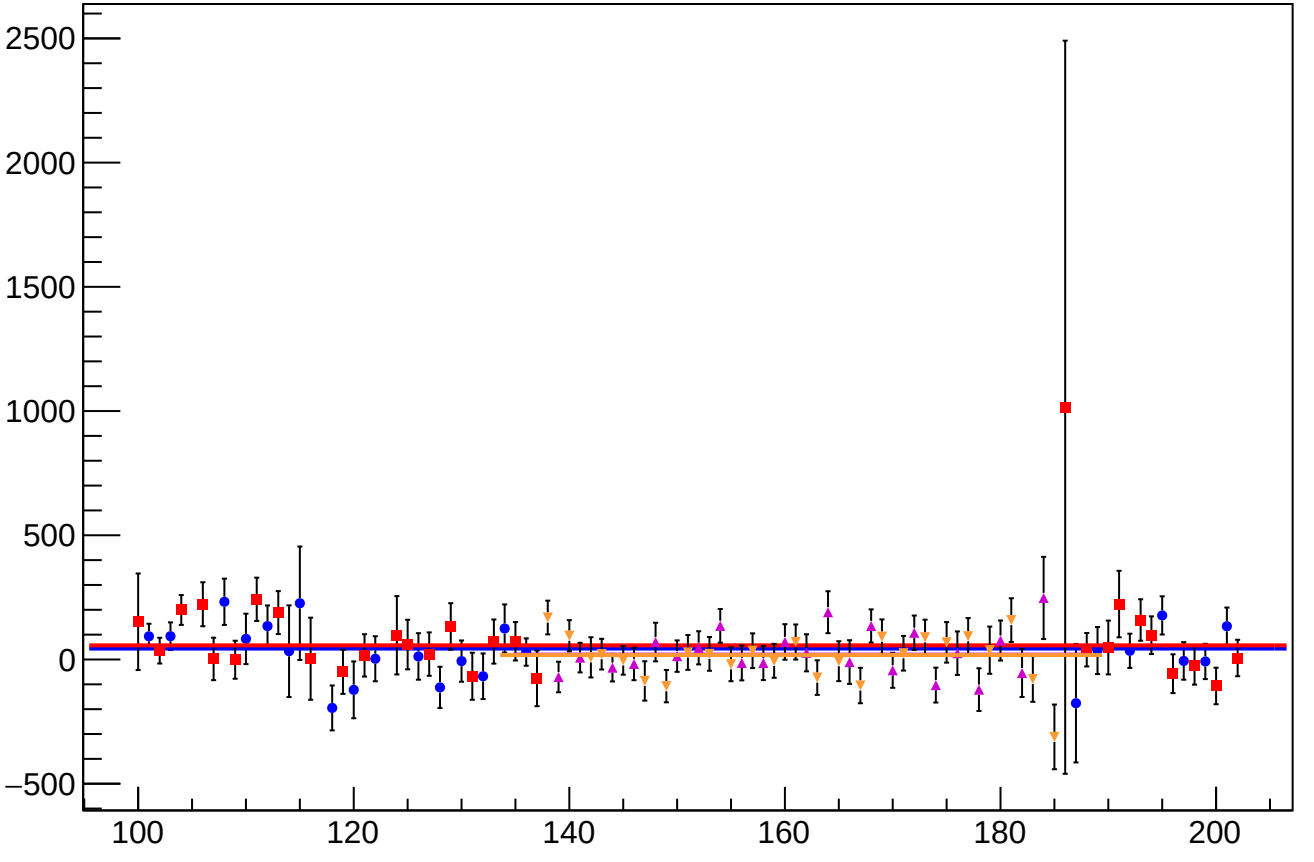
Right: 0.000+/-0.000 χ^2/NDF: 15275520.3/51

In: 0.000+/-0.000 χ^2/NDF:10786755.6/45

Out: 0.000+/-0.000 χ^2/NDF:16052015.9/53

All: 0.000+/-0.000 χ^2/NDF: 27715807.6/99

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 44.048+/-17.003 χ^2/NDF: 29.6/22

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 56.915+/-15.949 χ^2/NDF: 35.7/28

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

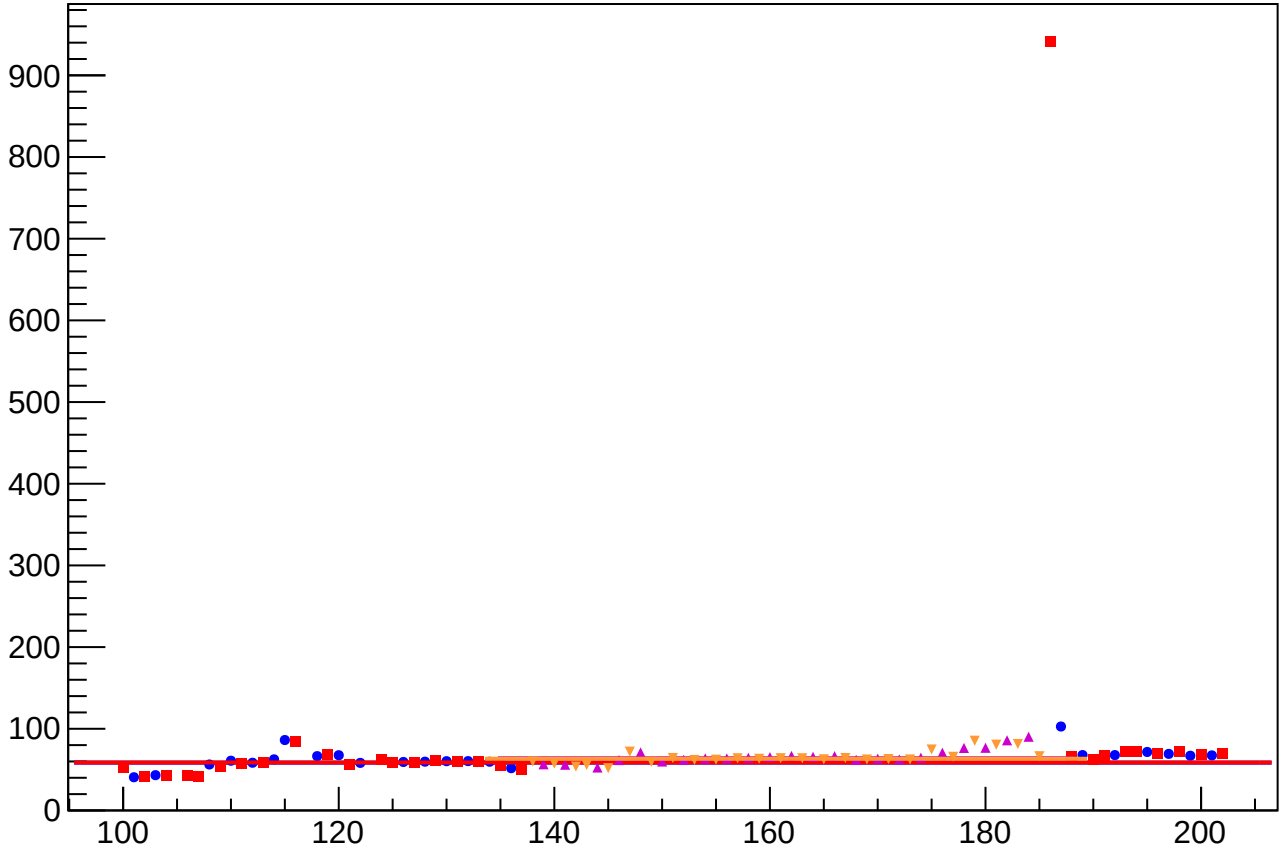
Right: 50.892+/-11.633 χ^2/NDF: 65.7/51

In: 30.356+/-11.265 χ^2/NDF:57.0/45

Out: 35.493+/-10.727 χ^2/NDF:70.6/53

All: 33.050+/-7.768 χ^2/NDF: 127.7/99

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.538+/-0.012 χ^2/NDF: 774437.5/22

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.750+/-0.011 χ^2/NDF: 1646739.4/28

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

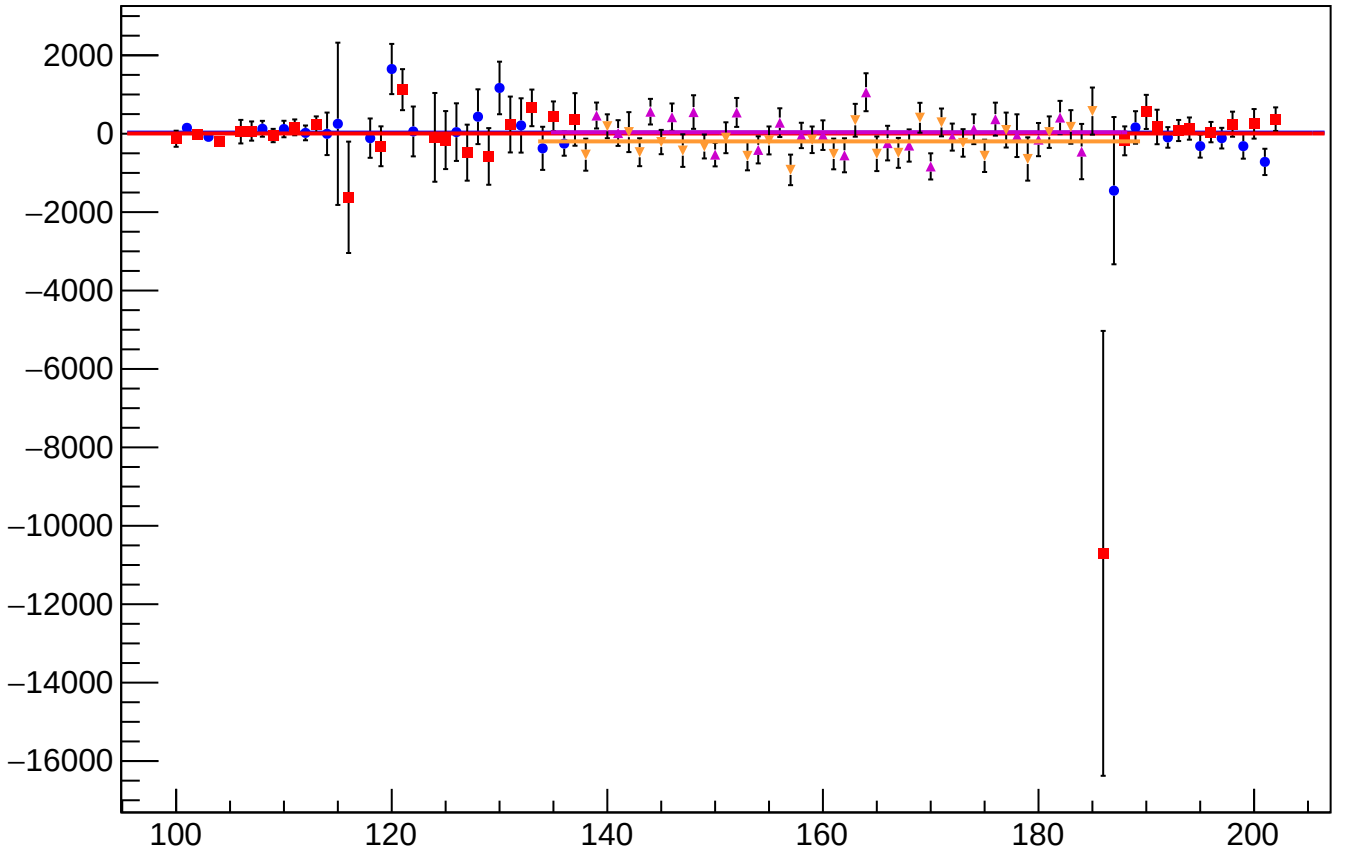
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.651+/-0.008 χ^2/NDF: 2421342.4/51

In: 61.556+/-0.008 χ^2/NDF:1332103.5/45

Out: 61.249+/-0.008 χ^2/NDF:2233805.2/53

All: 61.395+/-0.005 χ^2/NDF: 3566691.6/99



Right In: 28.050+/-43.510 χ^2/NDF: 25.1/22

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 5.700+/-45.539 χ^2/NDF: 26.7/28

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

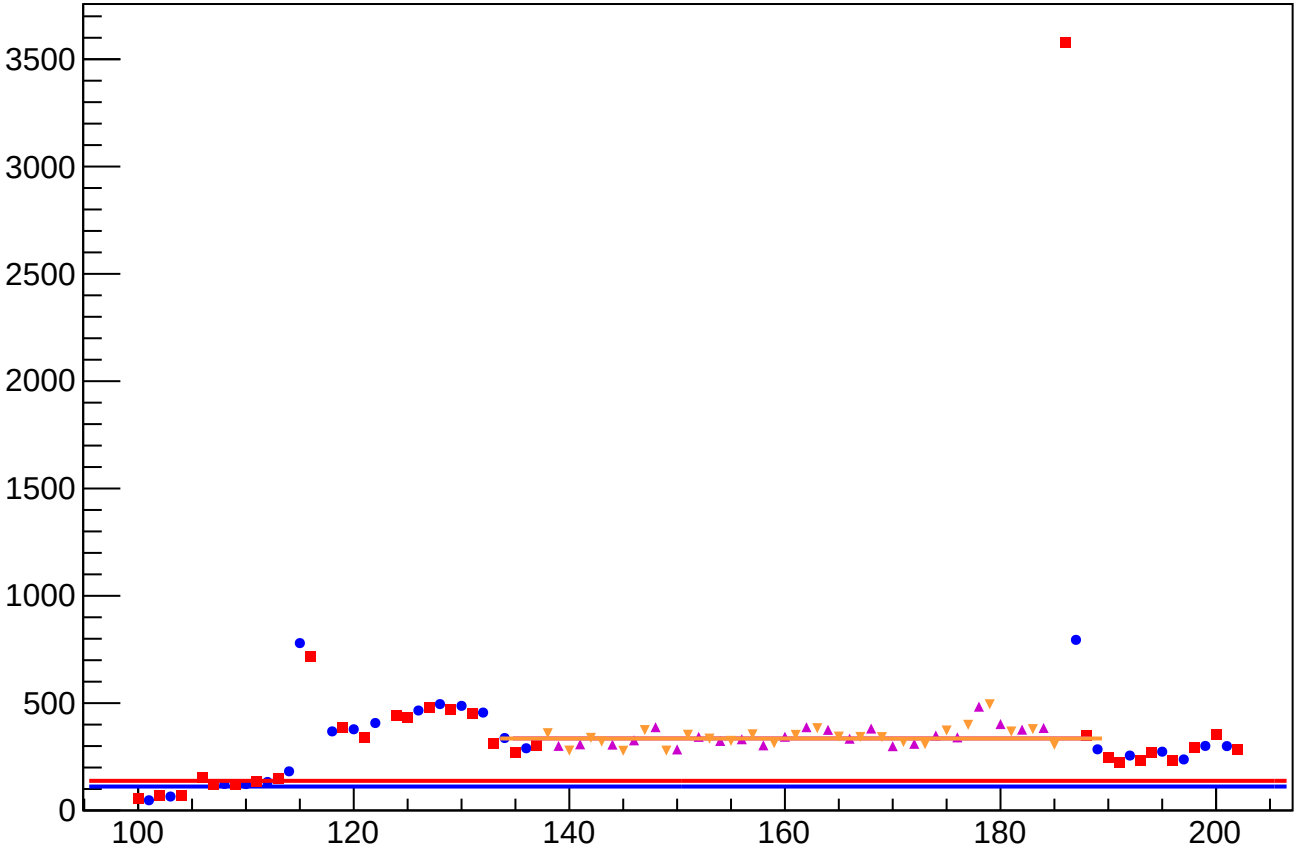
Right: 17.384+/-31.459 χ^2/NDF: 52.0/51

In: 29.990+/-38.135 χ^2/NDF:56.2/45

Out: -46.465+/-39.209 χ^2/NDF:52.4/53

All: -7.177+/-27.337 χ^2/NDF: 110.6/99

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 111.408+/-0.031 χ^2/NDF: 10751526.3/22

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 138.010+/-0.032 χ^2/NDF: 10199728.5/28

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

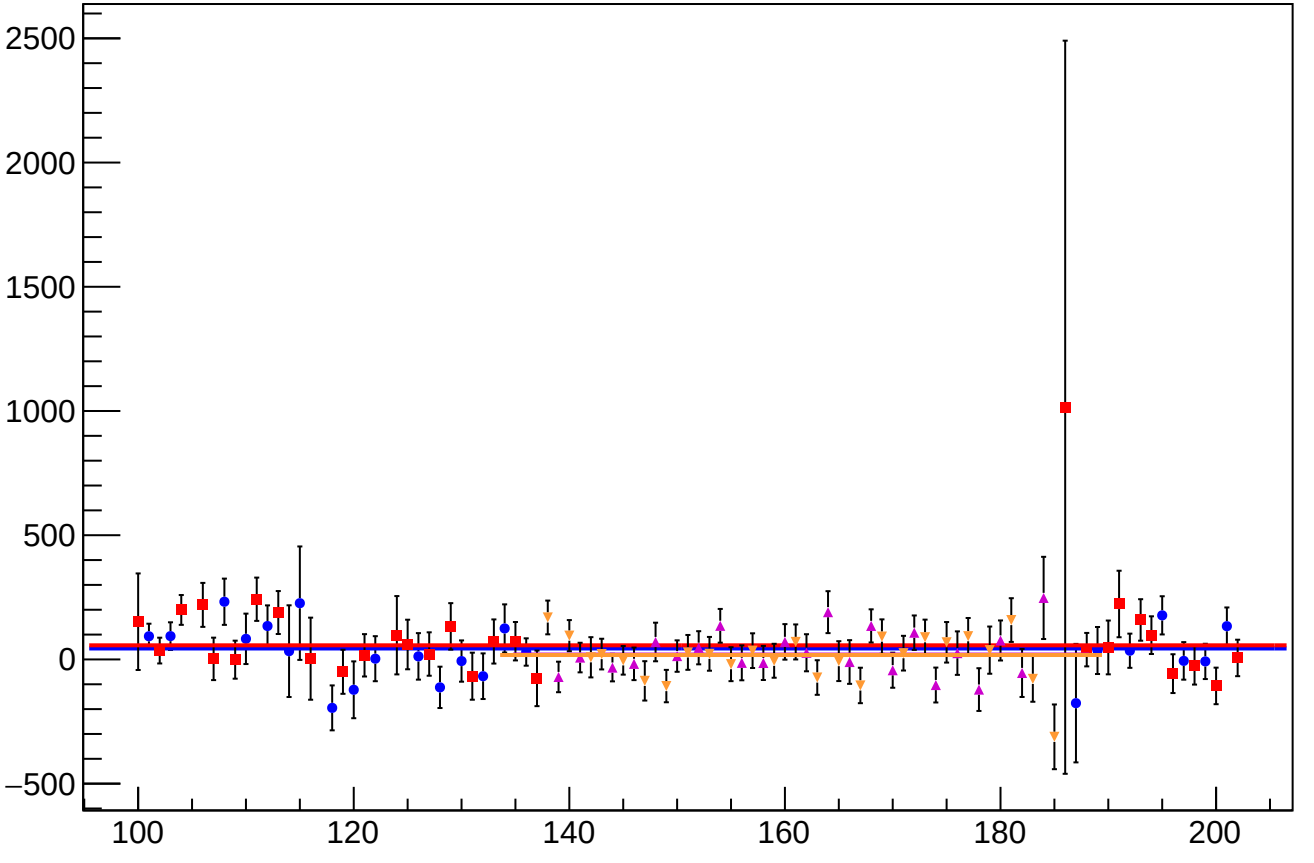
Right: 124.103+/-0.022 χ^2/NDF: 21308027.4/51

In: 163.357+/-0.027 χ^2/NDF:23546637.2/45

Out: 189.040+/-0.028 χ^2/NDF:20471646.8/53

All: 175.842+/-0.019 χ^2/NDF: 44459278.0/99

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 44.057+/-17.003 χ^2/NDF: 29.7/22

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 56.826+/-15.950 χ^2/NDF: 35.6/28

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

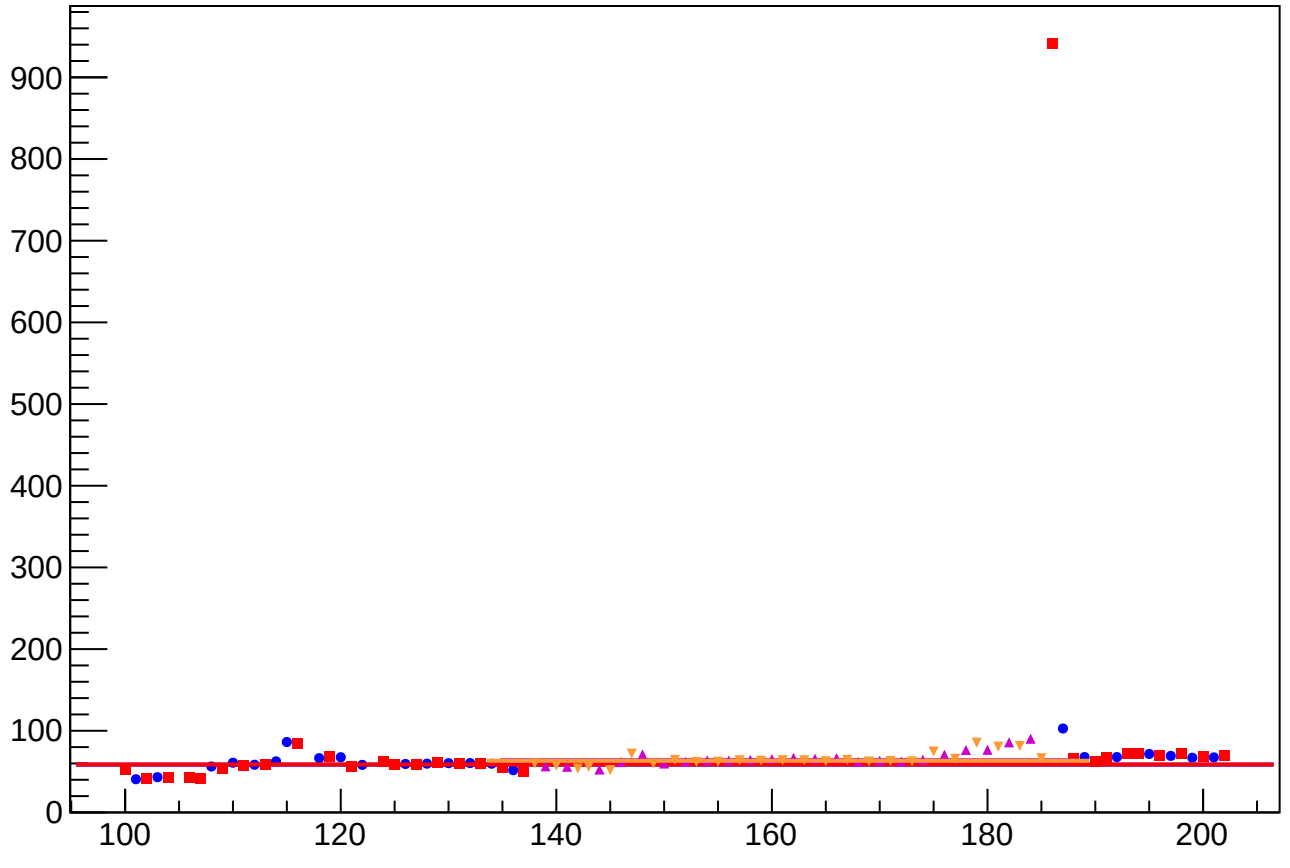
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 50.849+/-11.633 χ^2/NDF: 65.6/51

In: 30.359+/-11.265 χ^2/NDF:57.0/45

Out: 35.454+/-10.727 χ^2/NDF:70.4/53

All: 33.031+/-7.769 χ^2/NDF: 127.6/99



Right In: 58.538+/-0.012 χ^2/NDF: 774436.6/22

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.749+/-0.011 χ^2/NDF: 1647156.4/28

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

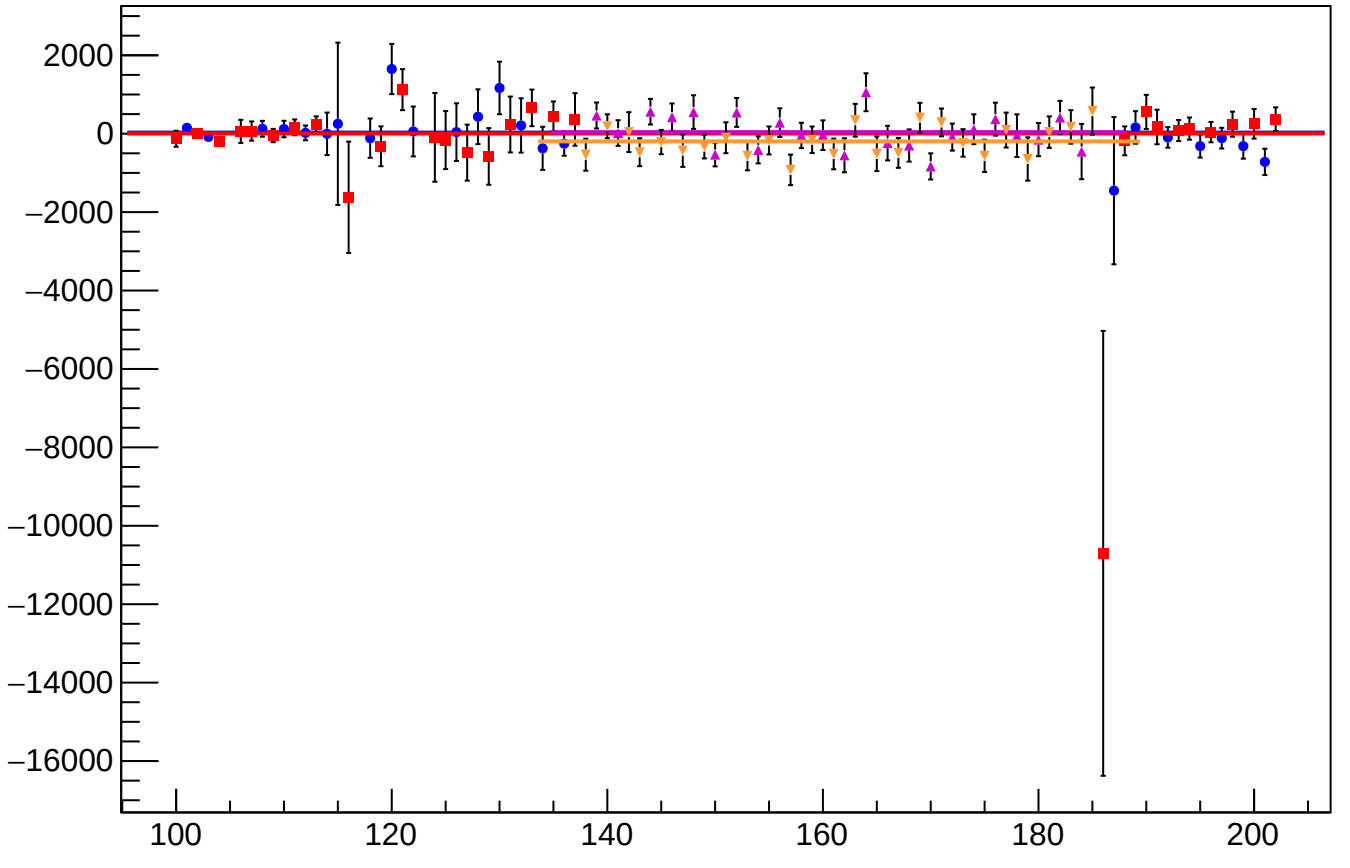
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.650+/-0.008 χ^2/NDF: 2421757.0/51

In: 61.556+/-0.008 χ^2/NDF:1332102.3/45

Out: 61.248+/-0.008 χ^2/NDF:2234254.0/53

All: 61.395+/-0.005 χ^2/NDF: 3567140.9/99



Right In: 28.055+/-43.509 χ^2/NDF: 25.1/22

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 6.018+/-45.507 χ^2/NDF: 26.7/28

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

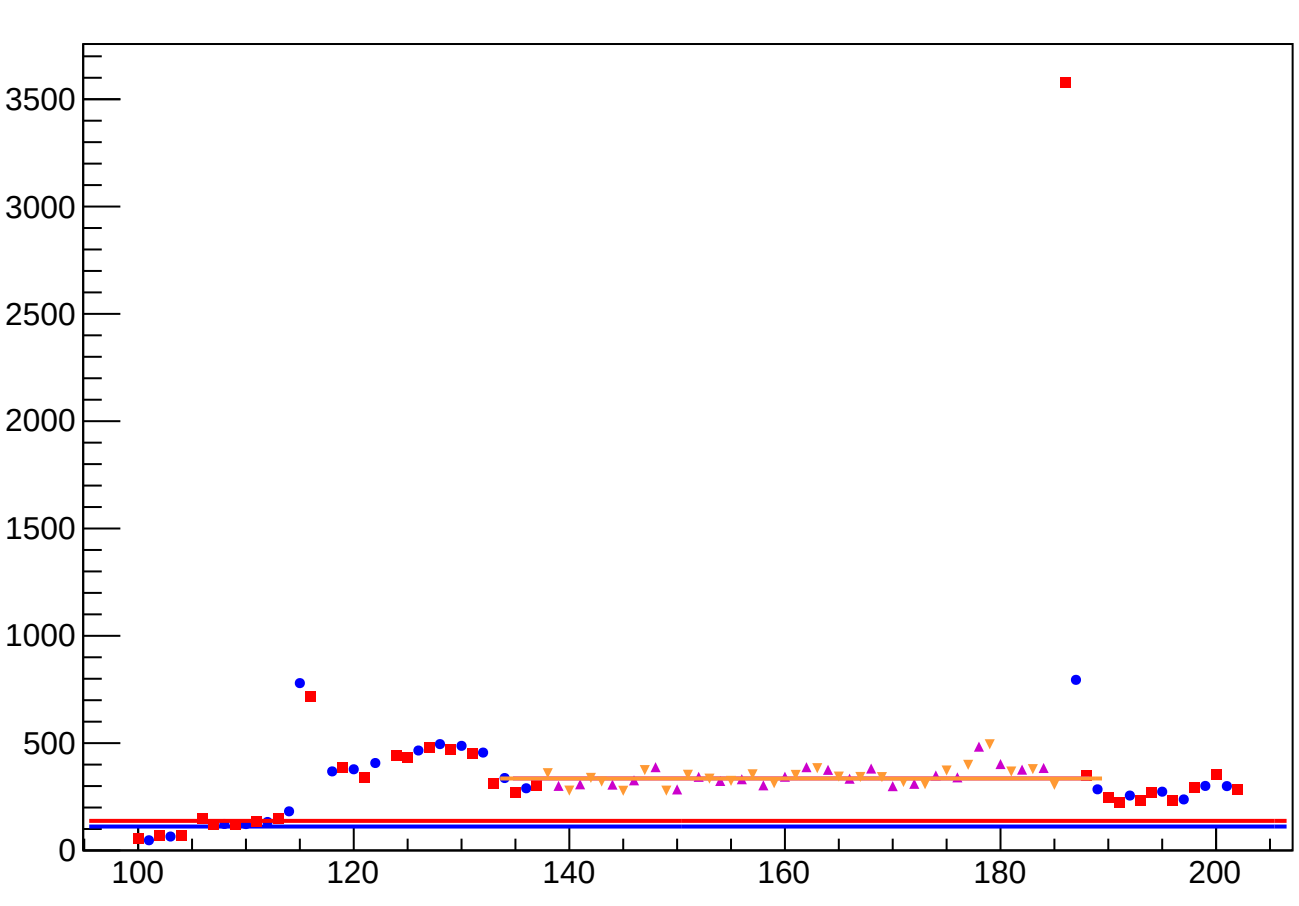
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 17.531+/-31.448 χ^2/NDF: 52.0/51

In: 29.992+/-38.135 χ^2/NDF:56.2/45

Out: -46.174+/-39.188 χ^2/NDF:52.4/53

All: -7.053+/-27.330 χ^2/NDF: 110.6/99



Right In: 111.405+/-0.031 χ^2/NDF: 10751737.5/22

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 137.822+/-0.032 χ^2/NDF: 10201293.9/28

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

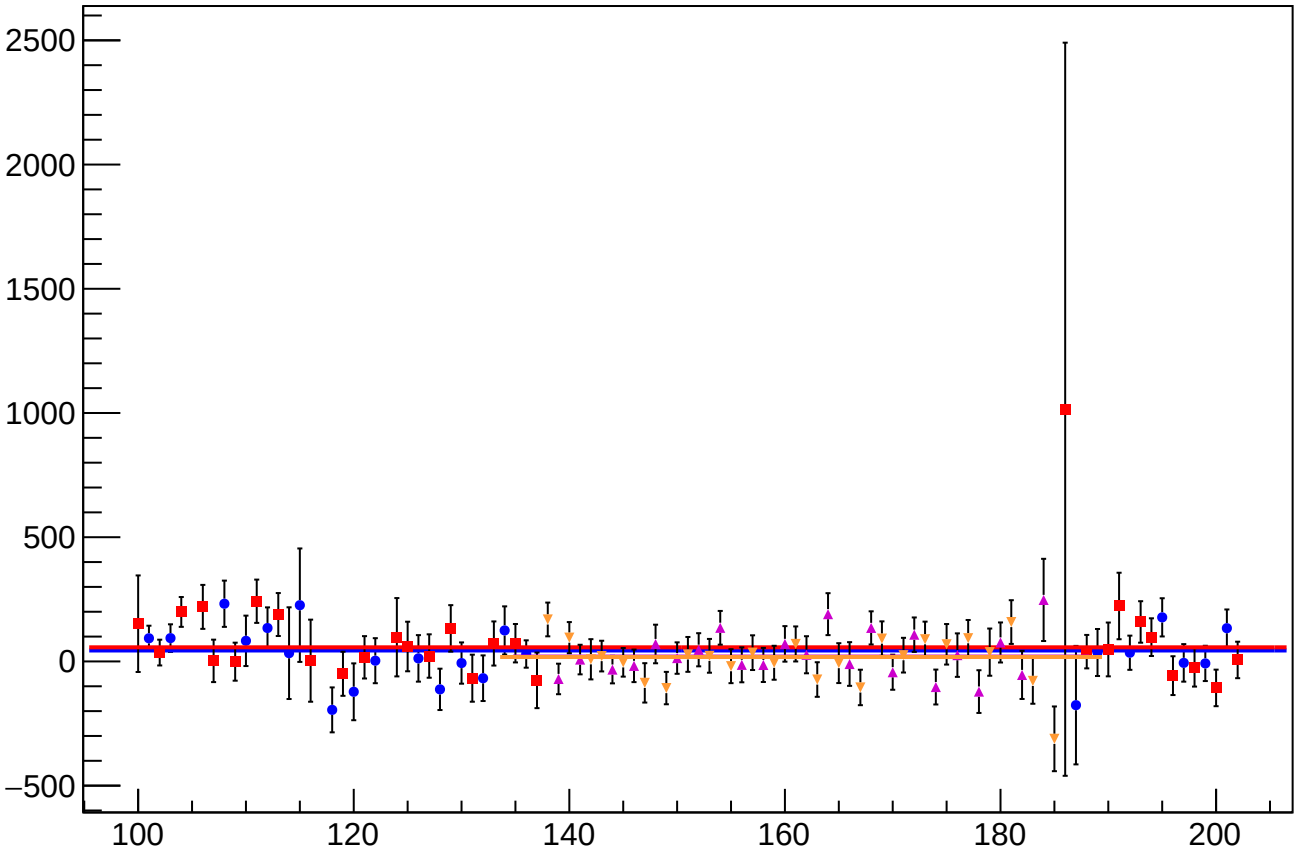
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 124.021+/-0.022 χ^2/NDF: 21305130.5/51

In: 163.353+/-0.027 χ^2/NDF:23547293.4/45

Out: 188.848+/-0.028 χ^2/NDF:20495220.1/53

All: 175.753+/-0.019 χ^2/NDF: 44477308.7/99



Right In: 44.057+/-17.003 χ^2/NDF: 29.7/22

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 56.826+/-15.950 χ^2/NDF: 35.6/28

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

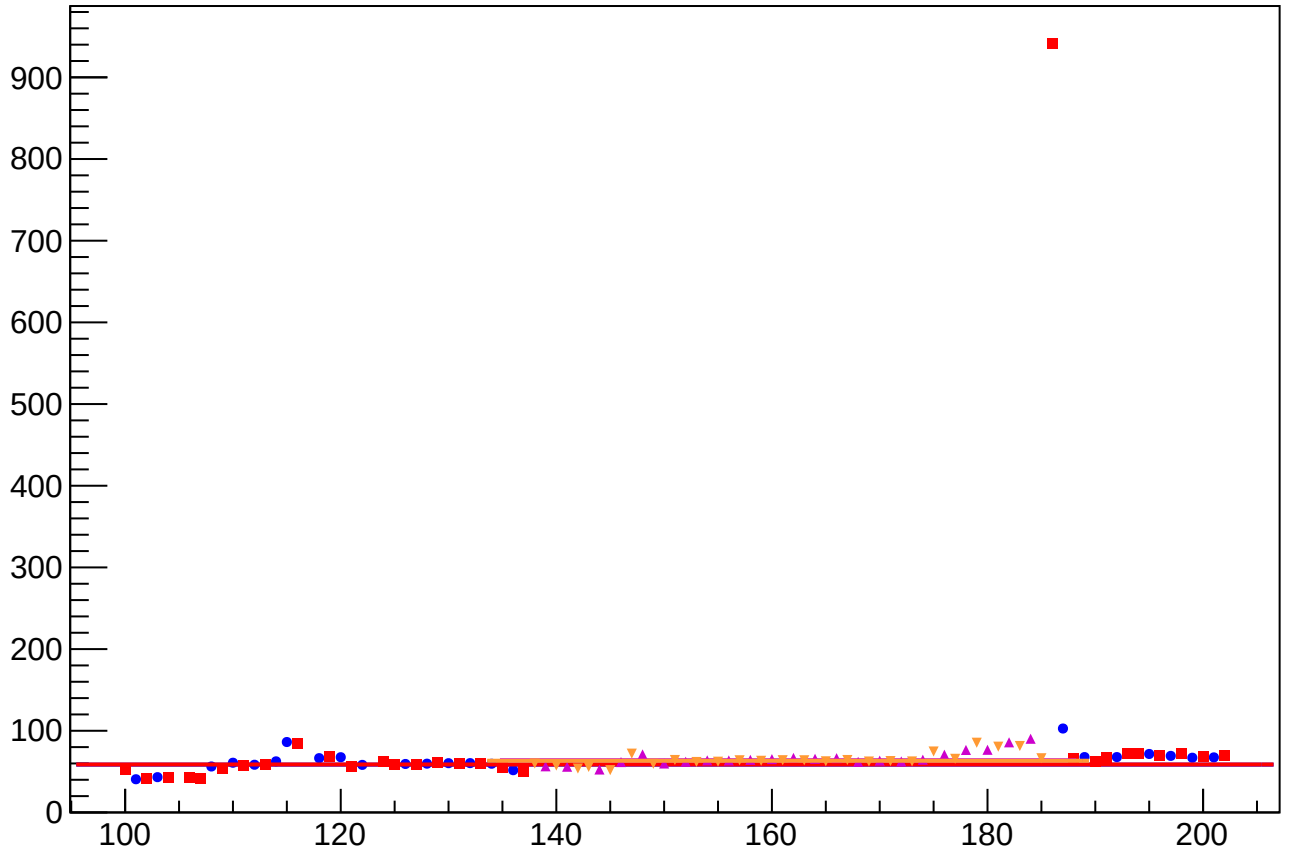
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 50.849+/-11.633 χ^2/NDF: 65.6/51

In: 30.359+/-11.265 χ^2/NDF:57.0/45

Out: 35.454+/-10.727 χ^2/NDF:70.4/53

All: 33.031+/-7.769 χ^2/NDF: 127.6/99



Right In: 58.538+/-0.012 χ^2/NDF: 774436.6/22

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.749+/-0.011 χ^2/NDF: 1647156.4/28

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

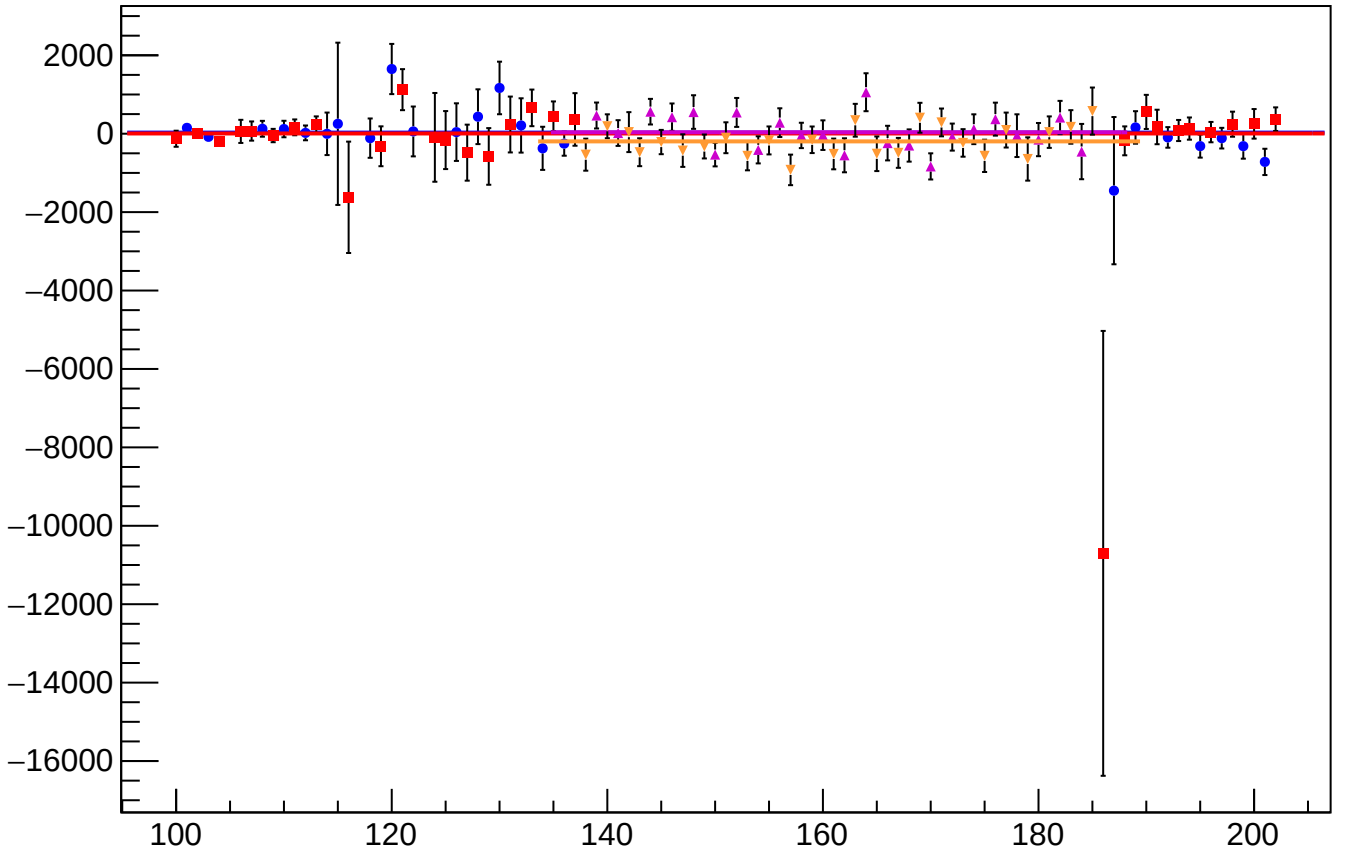
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.650+/-0.008 χ^2/NDF: 2421757.0/51

In: 61.556+/-0.008 χ^2/NDF:1332102.3/45

Out: 61.248+/-0.008 χ^2/NDF:2234254.0/53

All: 61.395+/-0.005 χ^2/NDF: 3567140.9/99



Right In: 28.055+/-43.509 χ^2/NDF: 25.1/22

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 6.018+/-45.507 χ^2/NDF: 26.7/28

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

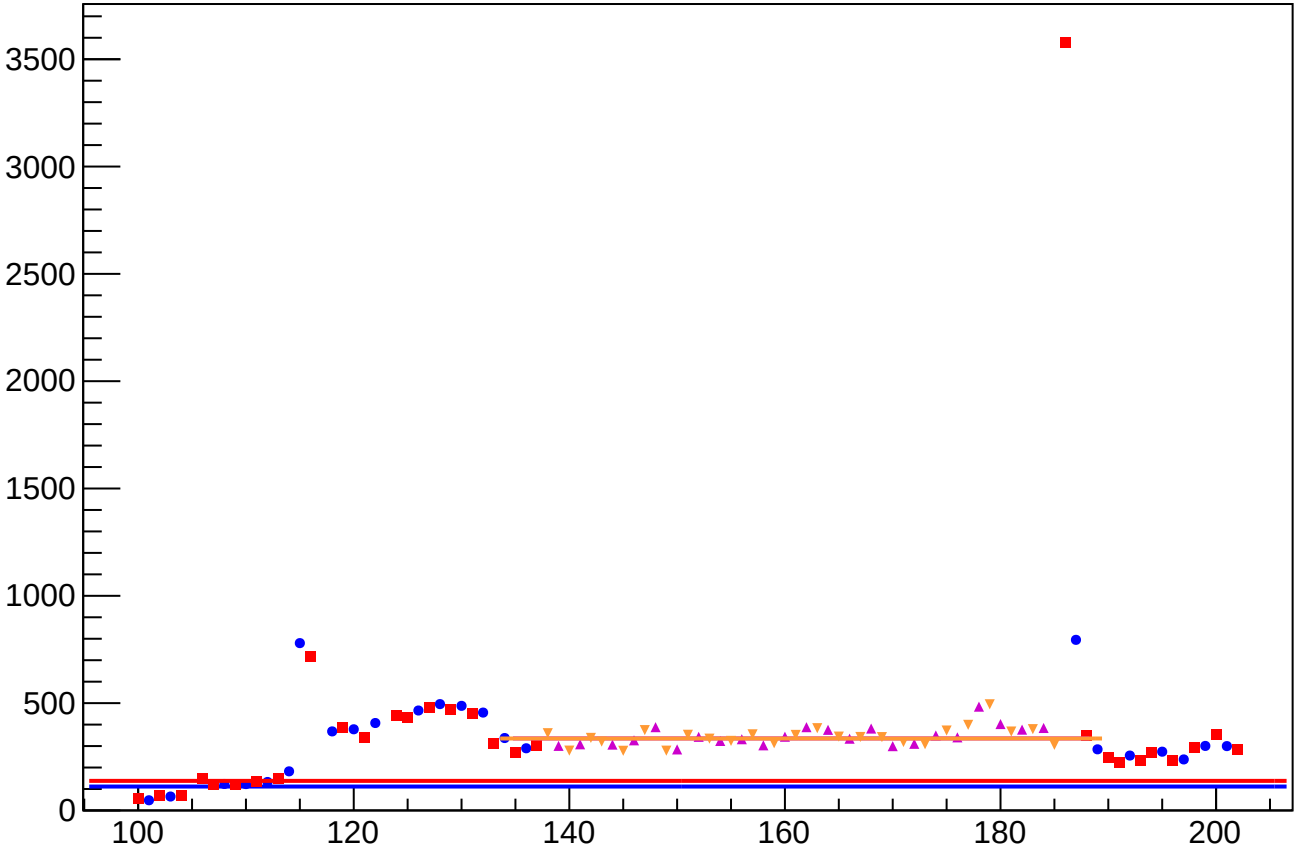
Right: 17.531+/-31.448 χ^2/NDF: 52.0/51

In: 29.992+/-38.135 χ^2/NDF:56.2/45

Out: -46.174+/-39.188 χ^2/NDF:52.4/53

All: -7.053+/-27.330 χ^2/NDF: 110.6/99

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 111.405+/-0.031 χ^2/NDF: 10751737.5/22

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 137.822+/-0.032 χ^2/NDF: 10201293.9/28

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

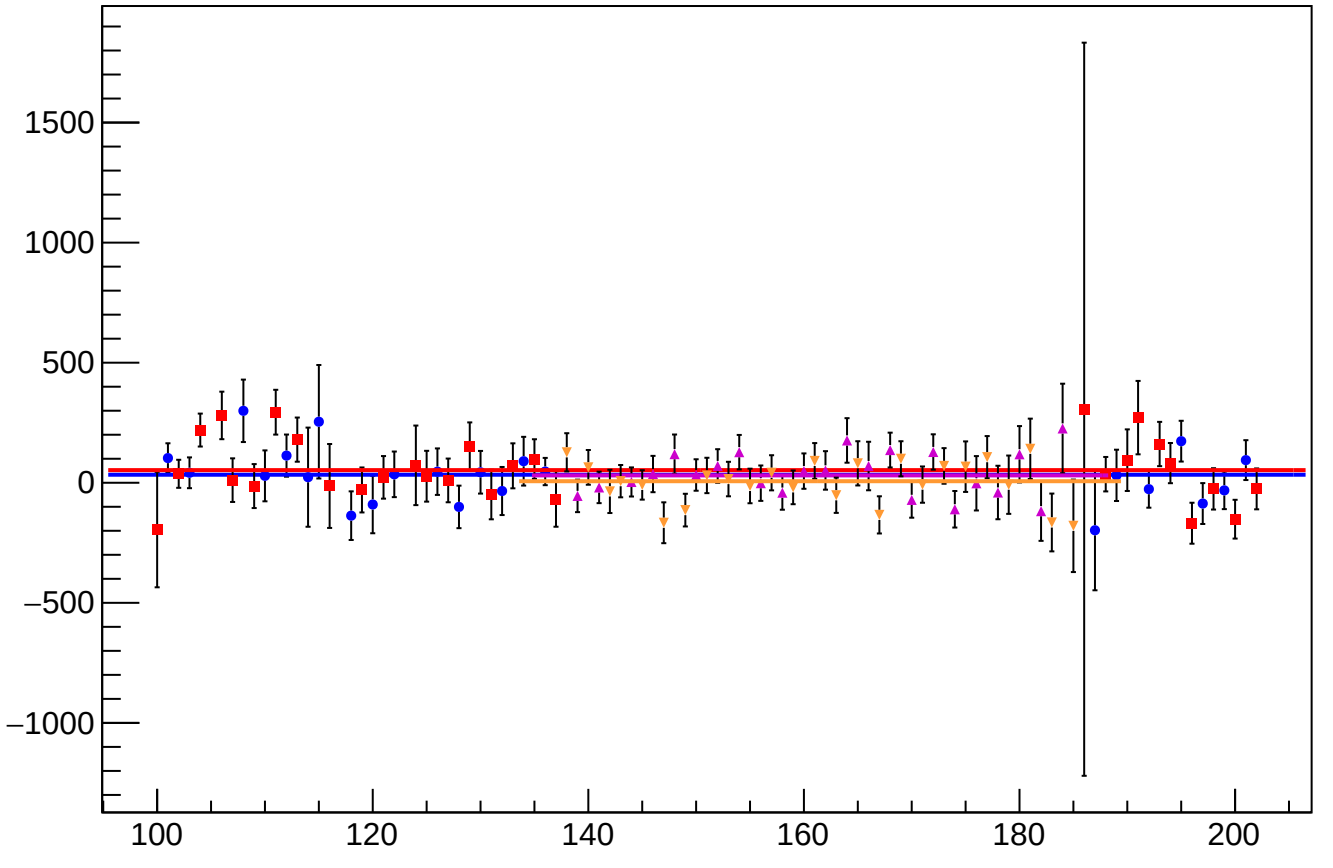
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 124.021+/-0.022 χ^2/NDF: 21305130.5/51

In: 163.353+/-0.027 χ^2/NDF:23547293.4/45

Out: 188.848+/-0.028 χ^2/NDF:20495220.1/53

All: 175.753+/-0.019 χ^2/NDF: 44477308.7/99



Right In: 33.460+/-18.799 χ^2/NDF: 21.6/22

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 52.651+/-17.487 χ^2/NDF: 44.9/28

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

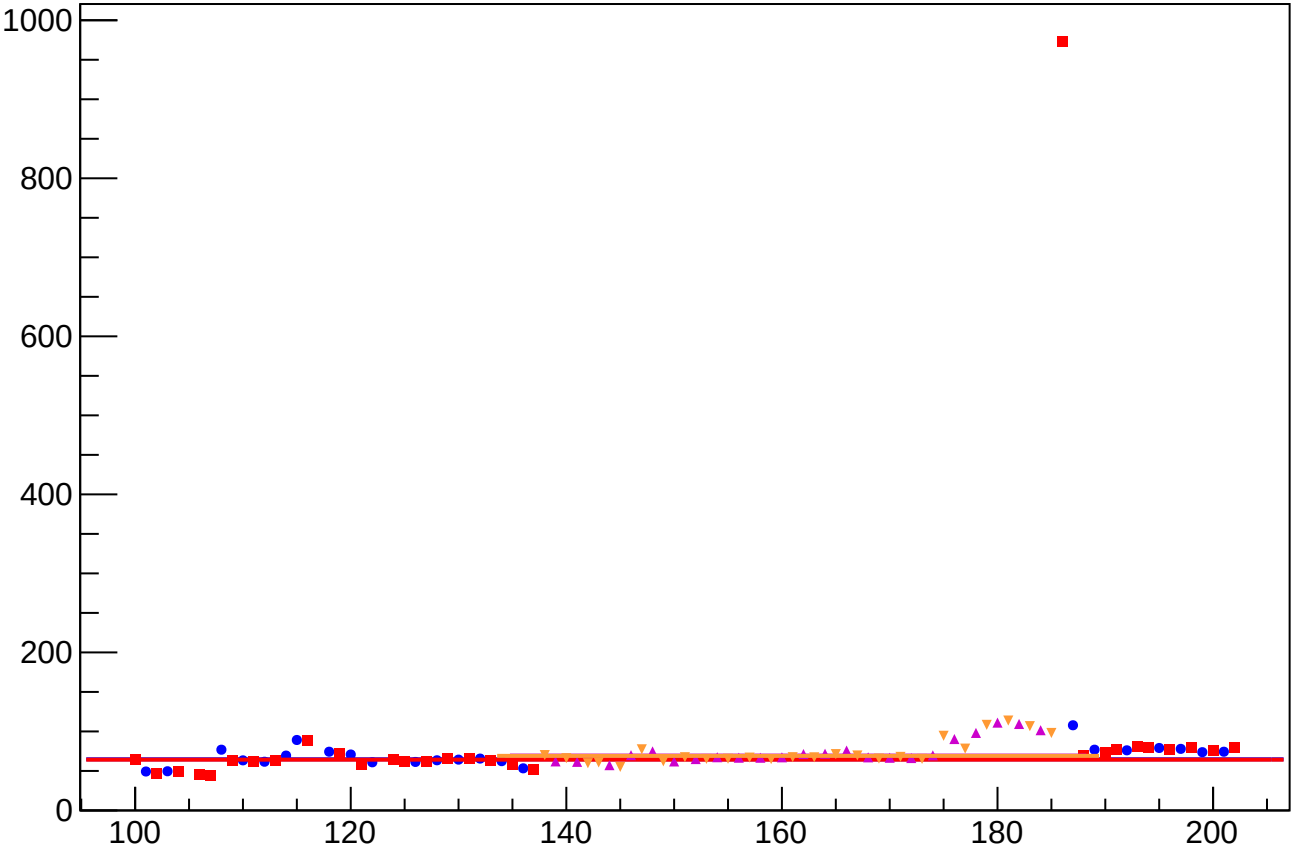
Right: 43.749+/-12.804 χ^2/NDF: 67.1/51

In: 31.880+/-12.402 χ^2/NDF:44.1/45

Out: 27.481+/-11.795 χ^2/NDF:73.7/53

All: 29.570+/-8.547 χ^2/NDF: 117.9/99

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.747+/-0.013 χ^2/NDF: 678246.9/22

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.281+/-0.012 χ^2/NDF: 1632996.3/28

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

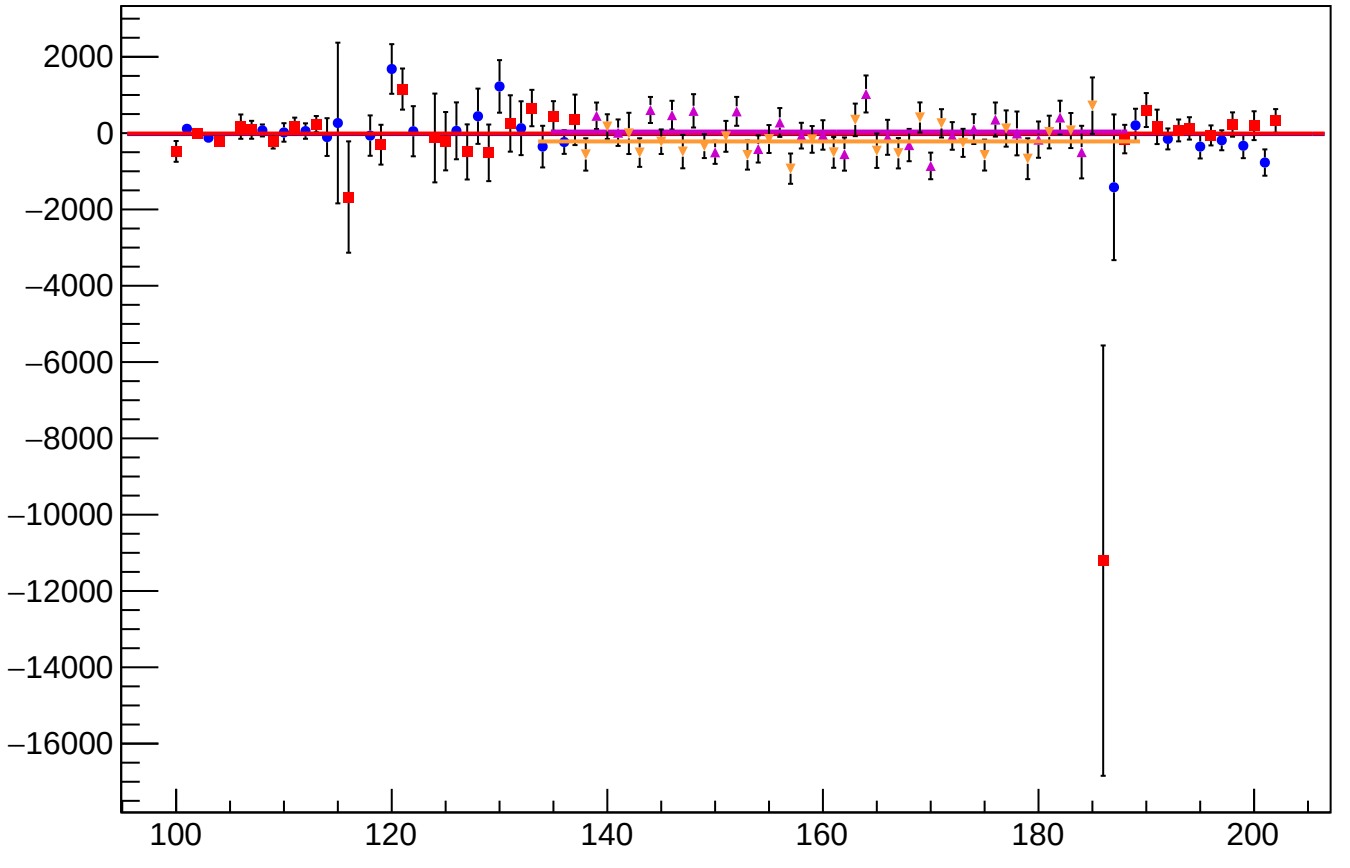
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 64.497+/-0.009 χ^2/NDF: 2311902.5/51

In: 67.395+/-0.009 χ^2/NDF:1673126.6/45

Out: 66.896+/-0.008 χ^2/NDF:2789038.0/53

All: 67.133+/-0.006 χ^2/NDF: 4463869.5/99



Right In: -24.511+/-49.395 χ^2/NDF: 23.4/22

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -10.455+/-47.898 χ^2/NDF: 30.3/28

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

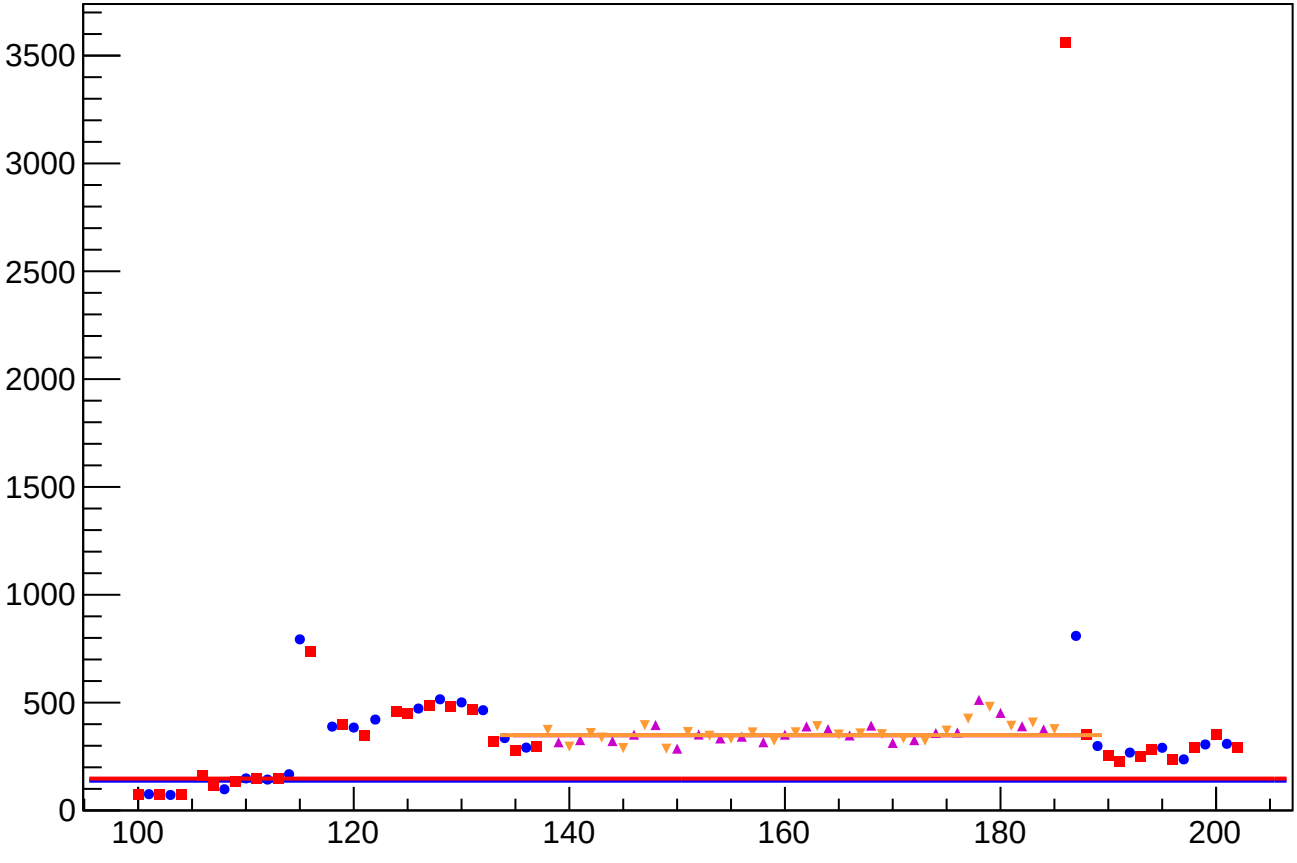
Right: -17.267+/-34.386 χ^2/NDF: 53.8/51

In: -7.013+/-42.346 χ^2/NDF:53.9/45

Out: -64.917+/-41.114 χ^2/NDF:54.6/53

All: -36.820+/-29.498 χ^2/NDF: 109.4/99

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 137.957+/-0.035 χ^2/NDF: 8808029.4/22

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 147.761+/-0.034 χ^2/NDF: 9675722.5/28

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

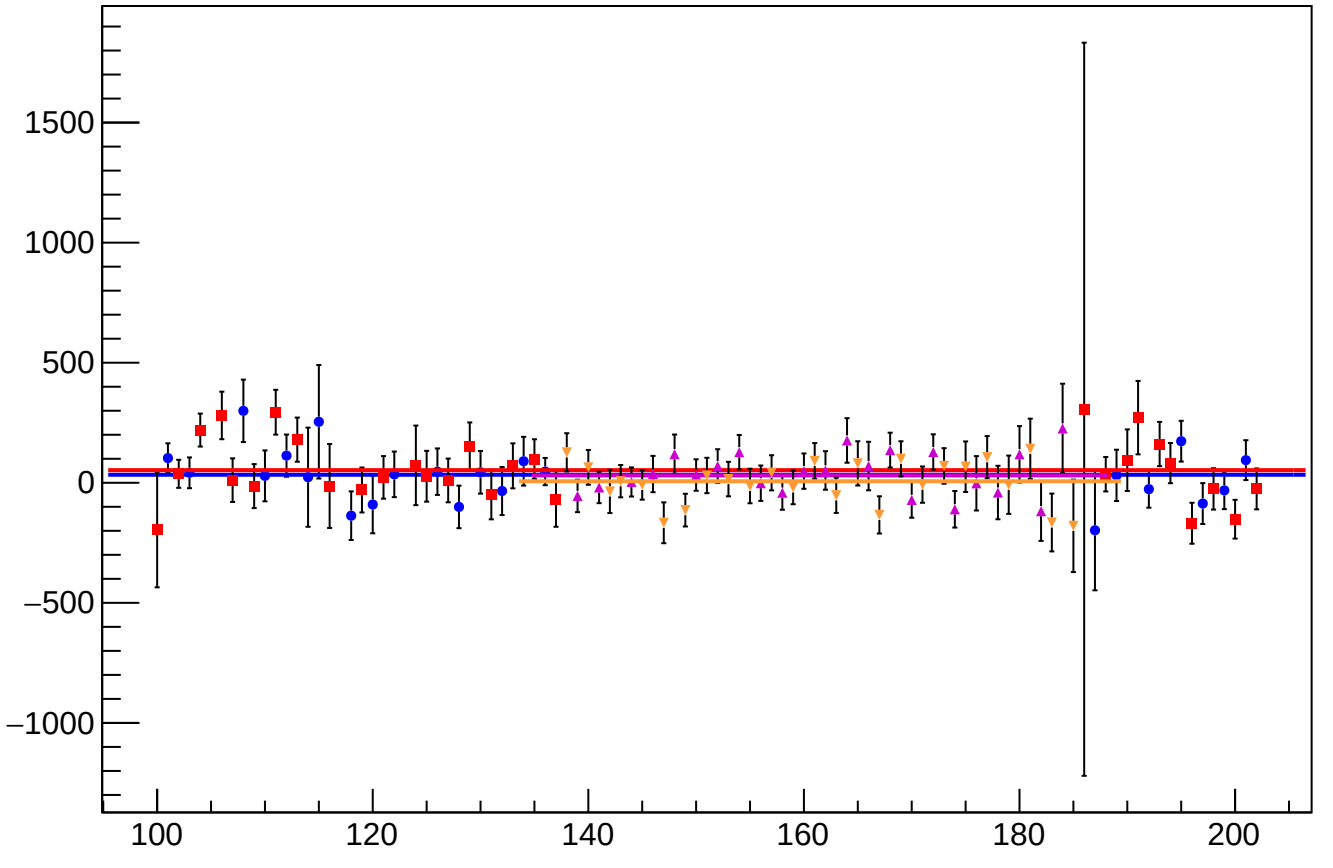
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 143.010+/-0.024 χ^2/NDF: 18524362.7/51

In: 193.773+/-0.030 χ^2/NDF:18969651.8/45

Out: 200.781+/-0.029 χ^2/NDF:19509120.9/53

All: 197.381+/-0.021 χ^2/NDF: 38506969.9/99



Right In: 33.460+/-18.799 χ^2/NDF: 21.6/22

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 52.650+/-17.487 χ^2/NDF: 44.9/28

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

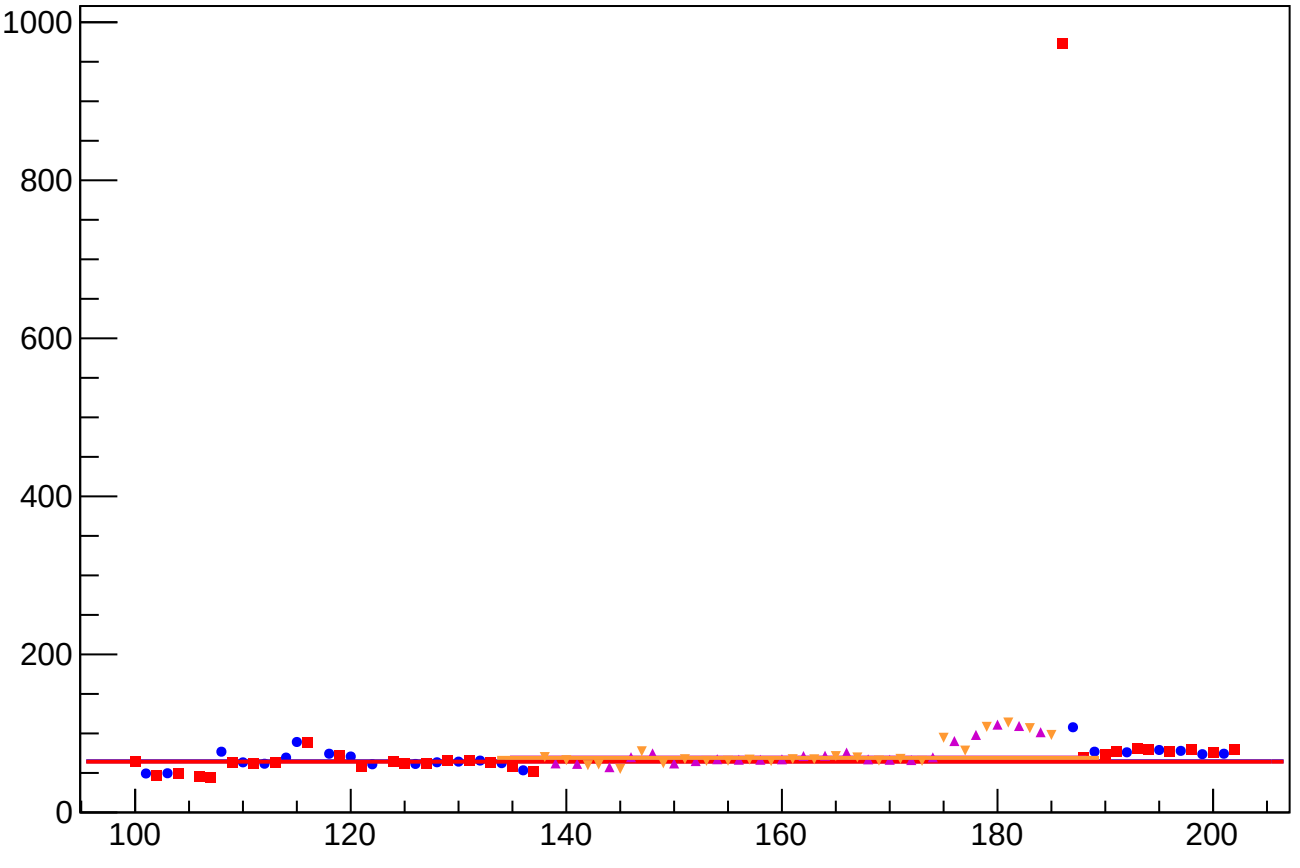
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 43.749+/-12.804 χ^2/NDF: 67.1/51

In: 31.880+/-12.402 χ^2/NDF:44.1/45

Out: 27.481+/-11.795 χ^2/NDF:73.7/53

All: 29.570+/-8.547 χ^2/NDF: 117.9/99



Right In: 64.747+/-0.013 χ^2/NDF: 678246.9/22

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.281+/-0.012 χ^2/NDF: 1632996.4/28

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

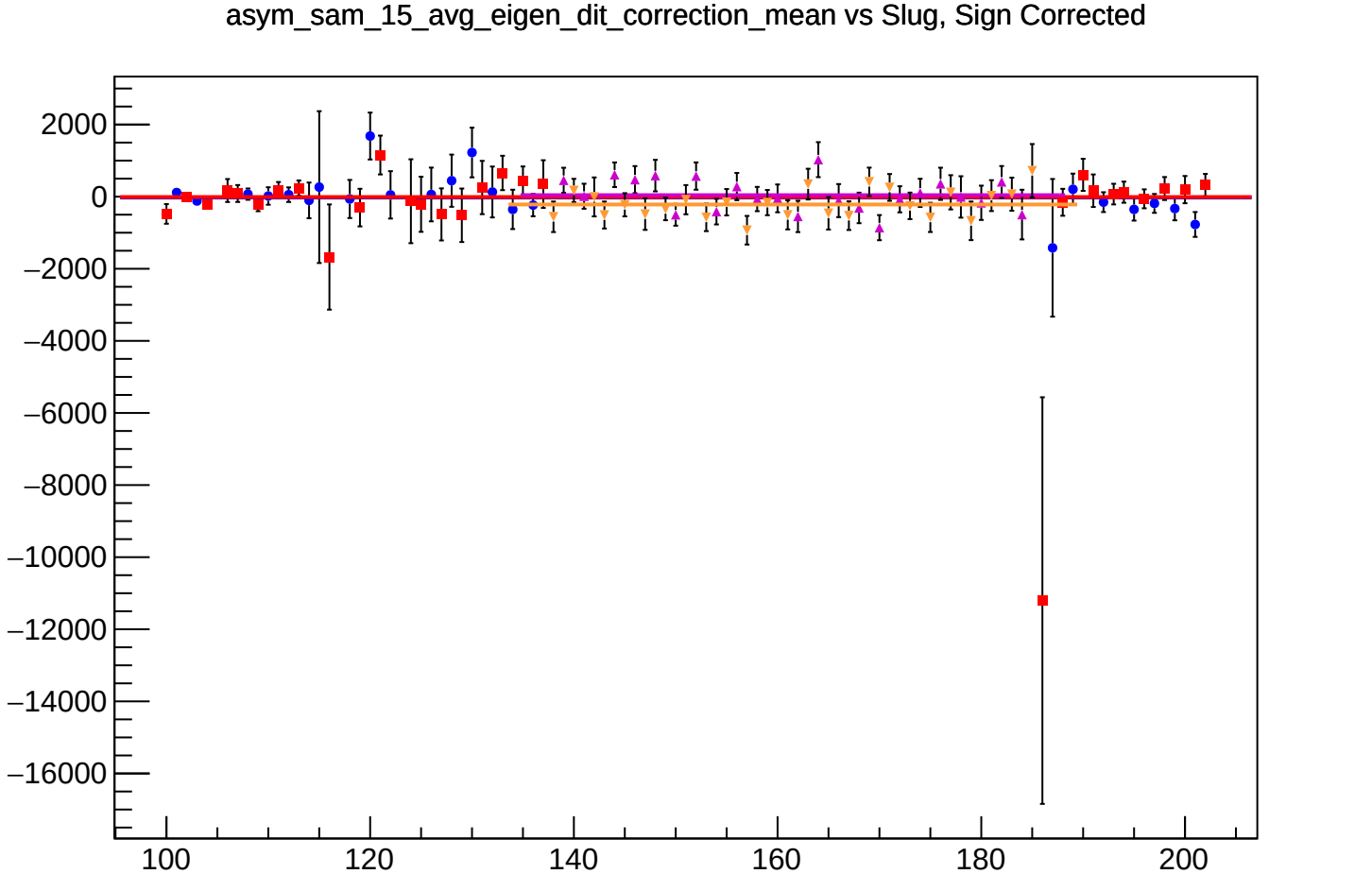
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 64.497+/-0.009 χ^2/NDF: 2311902.6/51

In: 67.395+/-0.009 χ^2/NDF:1673117.5/45

Out: 66.896+/-0.008 χ^2/NDF:2789025.3/53

All: 67.133+/-0.006 χ^2/NDF: 4463848.0/99



Right In: -24.511+/-49.395 χ^2/NDF: 23.4/22

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -10.455+/-47.898 χ^2/NDF: 30.3/28

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

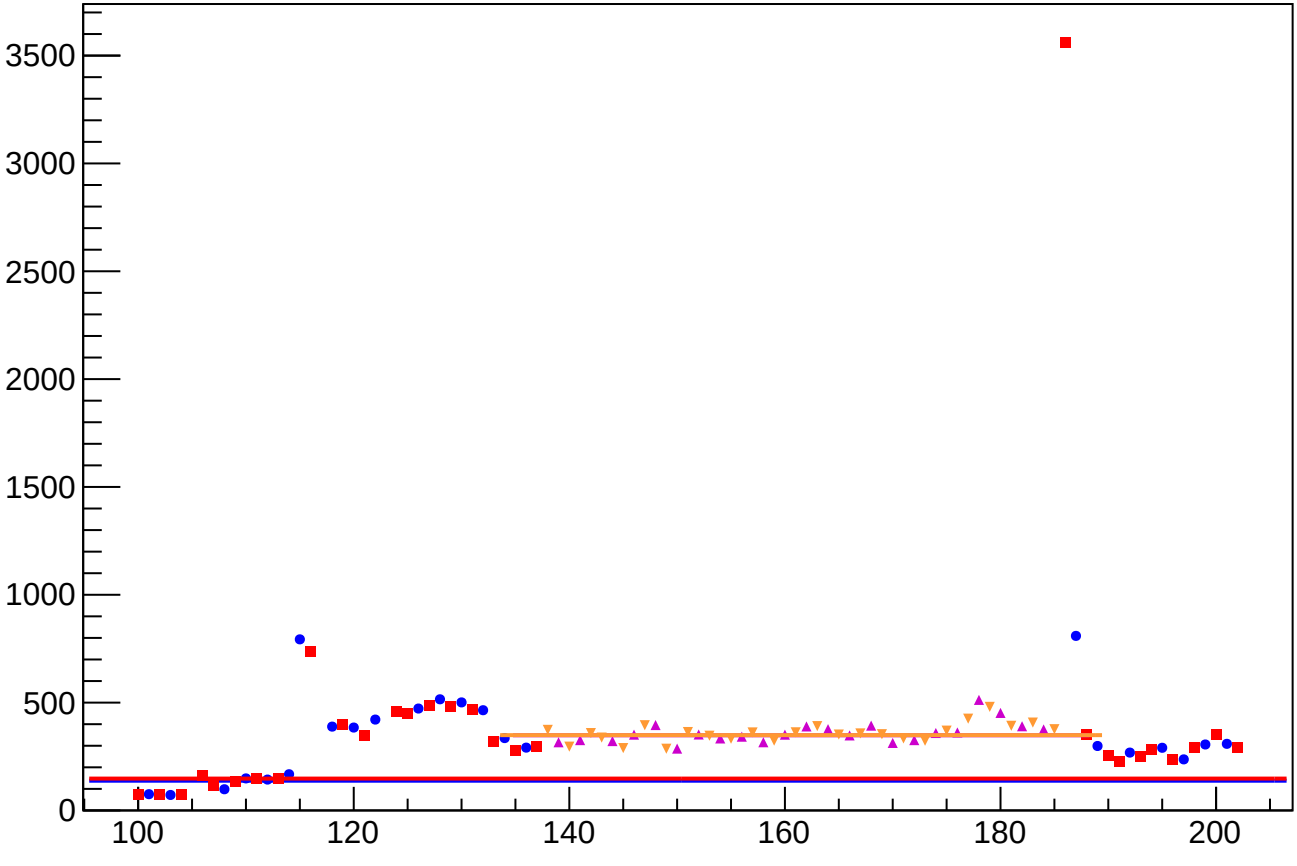
Right: -17.267+/-34.386 χ^2/NDF: 53.8/51

In: -7.013+/-42.346 χ^2/NDF:53.9/45

Out: -64.916+/-41.114 χ^2/NDF:54.6/53

All: -36.820+/-29.498 χ^2/NDF: 109.4/99

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 137.957+/-0.035 χ^2/NDF: 8808042.4/22

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 147.761+/-0.034 χ^2/NDF: 9675765.3/28

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

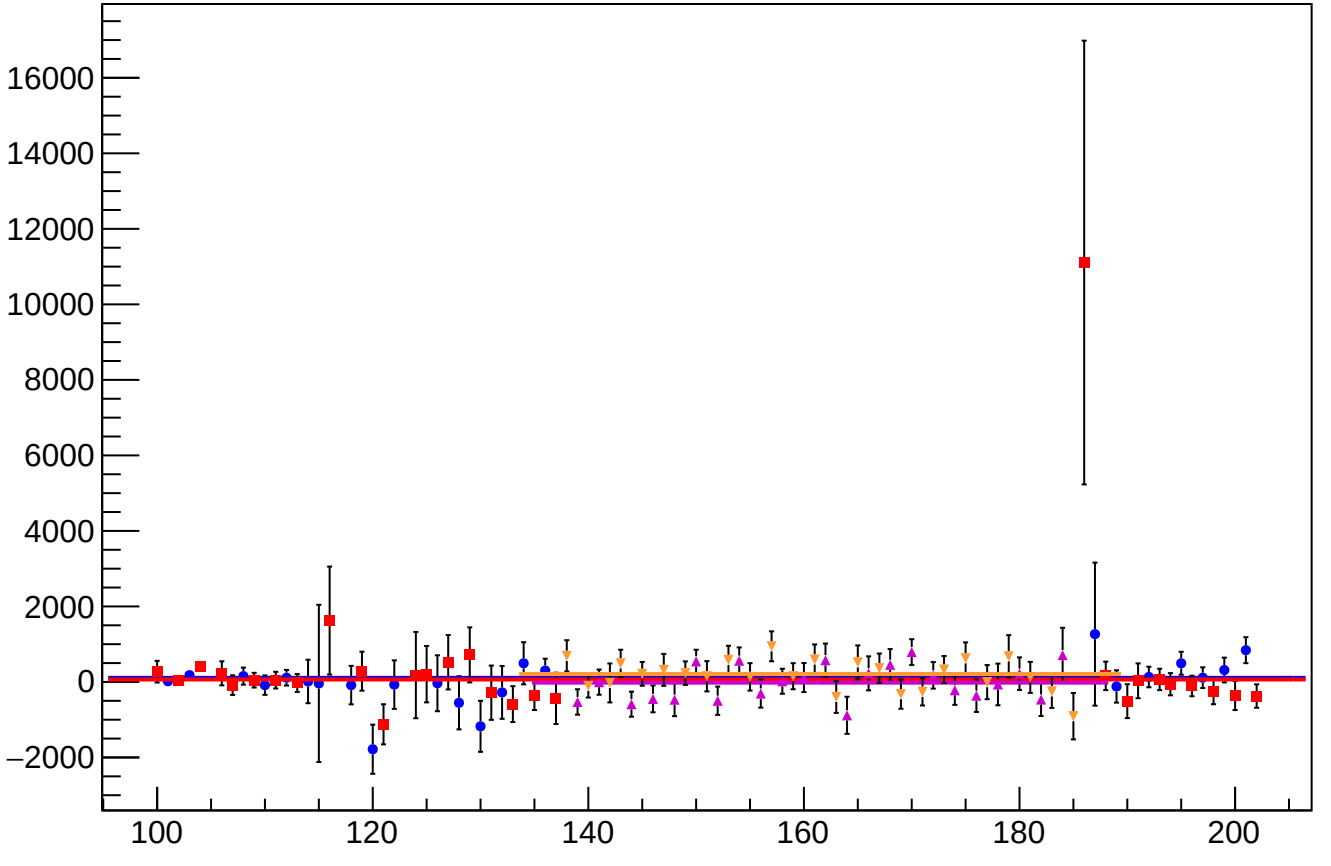
Right: 143.010+/-0.024 χ^2/NDF: 18524417.6/51

In: 193.773+/-0.030 χ^2/NDF:18969724.4/45

Out: 200.781+/-0.029 χ^2/NDF:19509233.6/53

All: 197.380+/-0.021 χ^2/NDF: 38507154.4/99

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 108.653+/-53.709 χ^2/NDF: 23.5/22

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 65.114+/-51.390 χ^2/NDF: 32.0/28

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

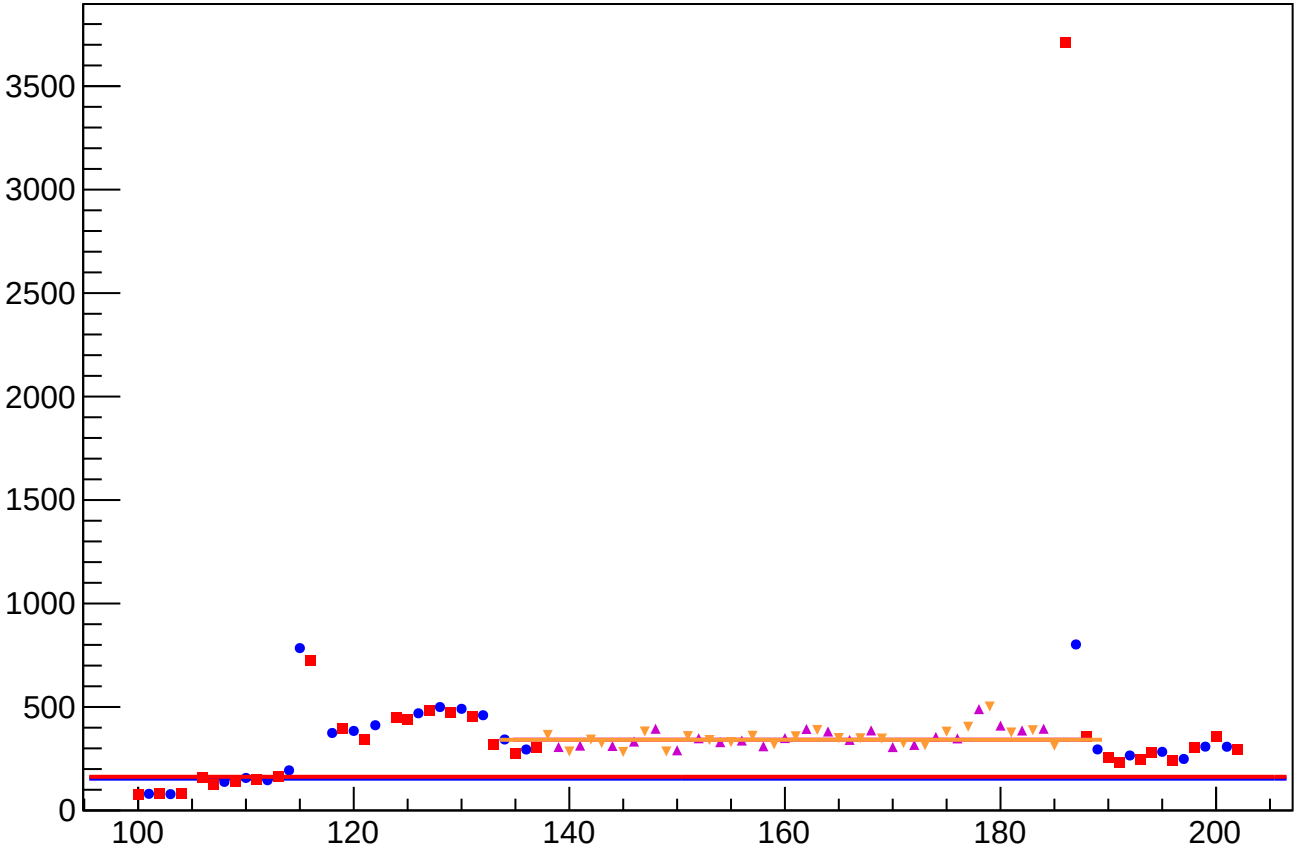
Right: 85.924+/-37.131 χ^2/NDF: 55.9/51

In: 69.547+/-44.712 χ^2/NDF:57.2/45

Out: 108.517+/-42.998 χ^2/NDF:55.8/53

All: 89.793+/-30.992 χ^2/NDF: 113.4/99

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 153.689+/-0.038 χ^2/NDF: 7893966.5/22

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 162.686+/-0.036 χ^2/NDF: 8596032.5/28

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

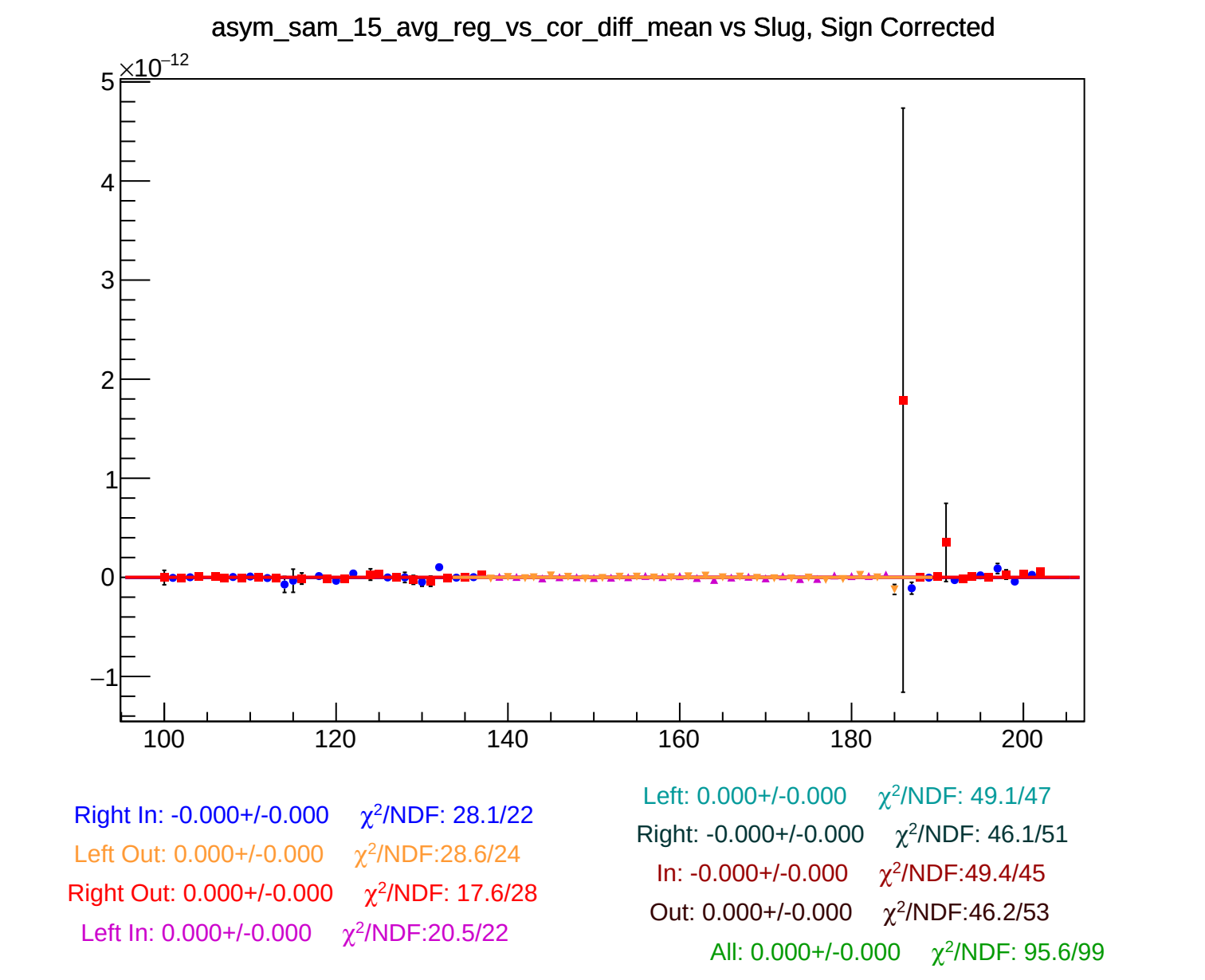
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 158.386+/-0.026 χ^2/NDF: 16519296.8/51

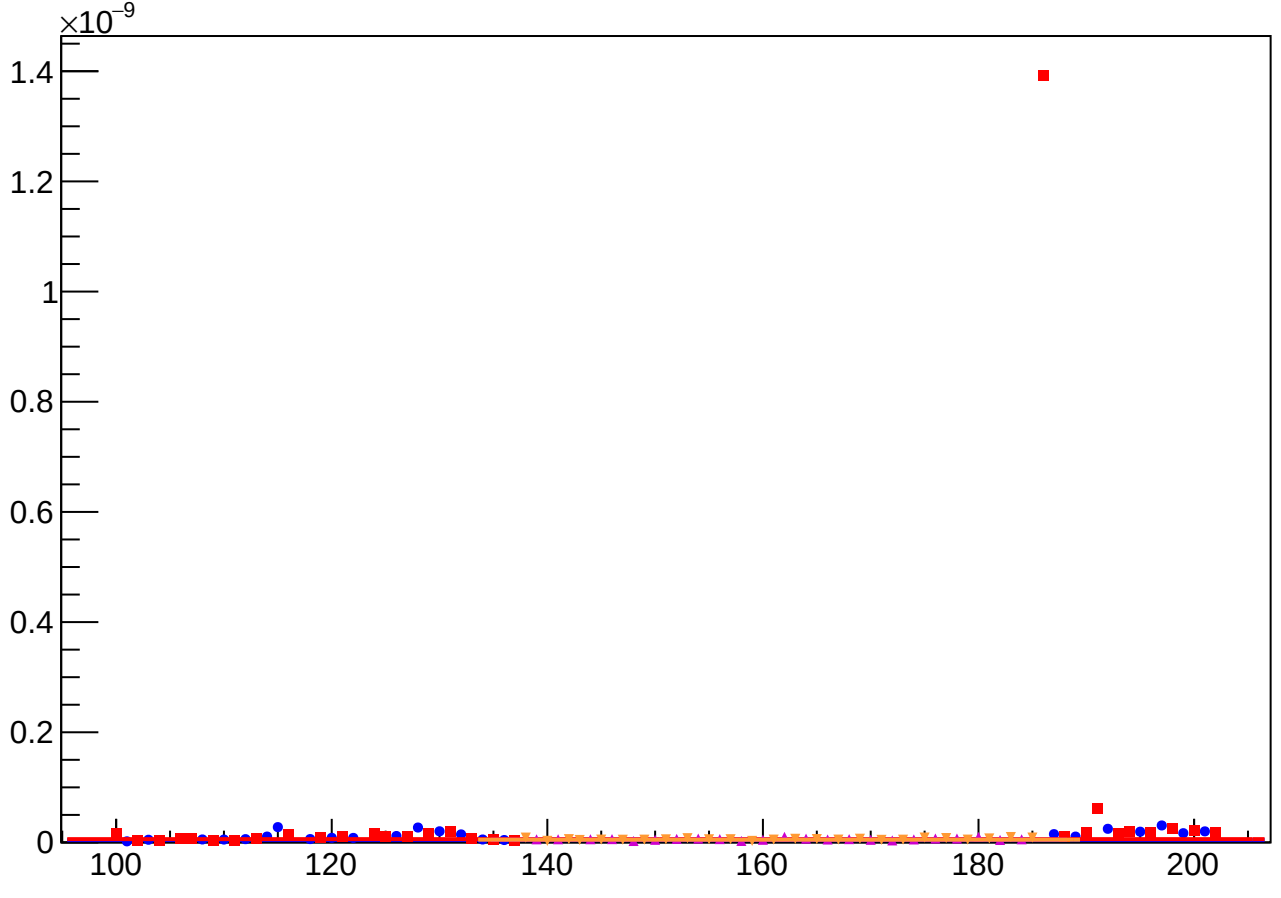
In: 211.479+/-0.032 χ^2/NDF:15922148.7/45

Out: 216.344+/-0.030 χ^2/NDF:16420012.7/53

All: 214.006+/-0.022 χ^2/NDF: 32354465.4/99


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.1/22
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.6/28
Left In: 0.000+/-0.000 χ²/NDF:20.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.1/47
Right: -0.000+/-0.000 χ²/NDF: 46.1/51
In: -0.000+/-0.000 χ²/NDF:49.4/45
Out: 0.000+/-0.000 χ²/NDF:46.2/53
All: 0.000+/-0.000 χ²/NDF: 95.6/99

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4985543.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4389815.3/28

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

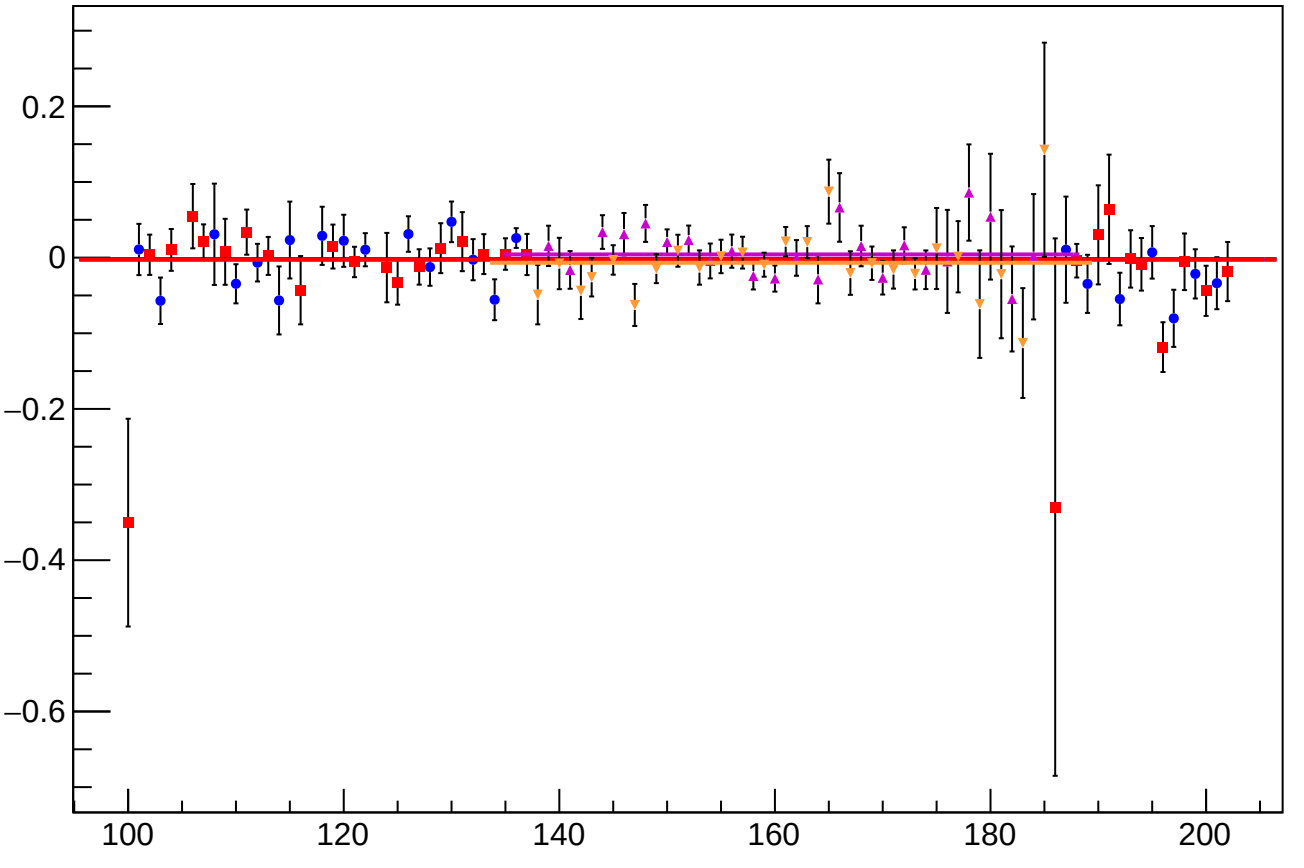
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 9780787.5/51

In: 0.000+/-0.000 χ^2/NDF:6314090.5/45

Out: 0.000+/-0.000 χ^2/NDF:5829553.1/53

All: 0.000+/-0.000 χ^2/NDF: 12301917.3/99



Right In: -0.002+/-0.006 χ^2/NDF: 31.1/22

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

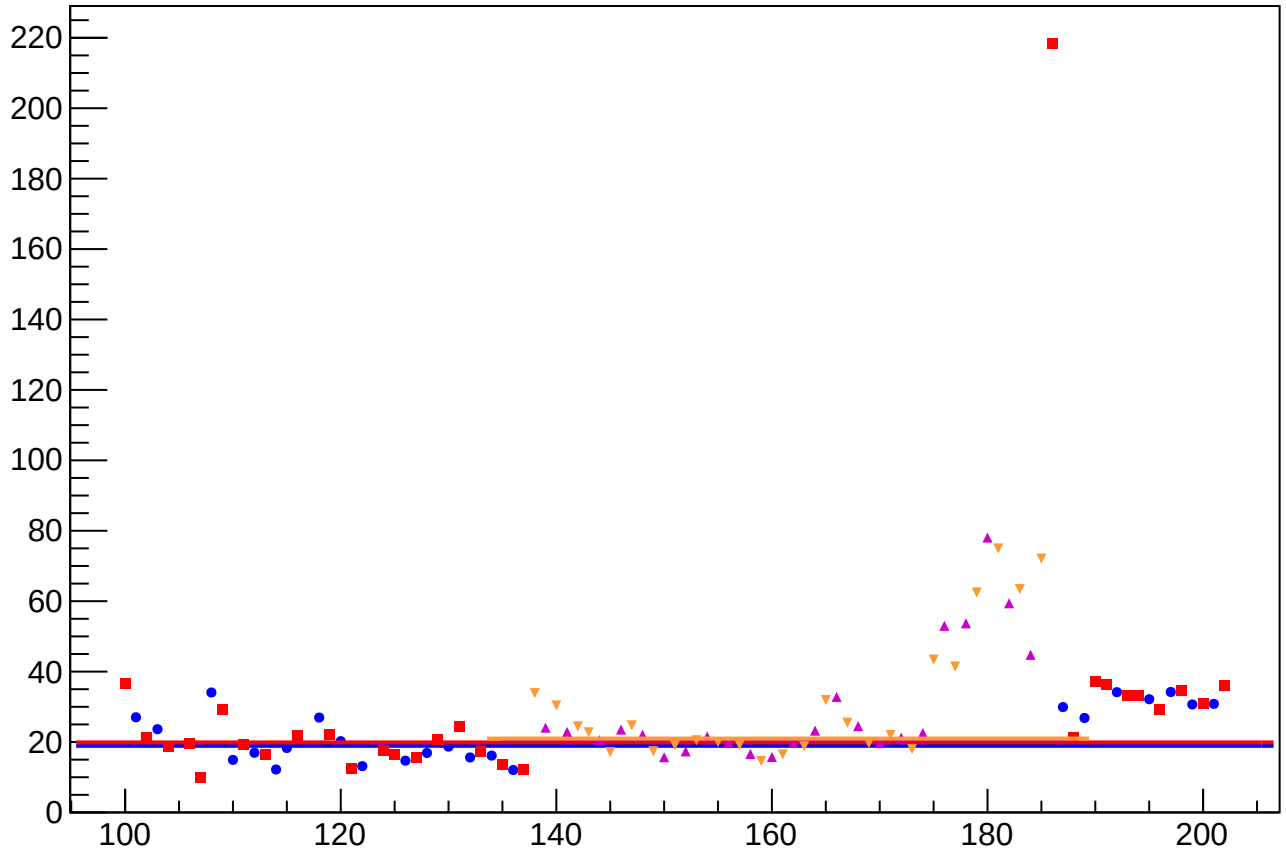
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: -0.002+/-0.004 χ^2/NDF: 61.7/51

In: 0.001+/-0.004 χ^2/NDF:54.9/45

Out: -0.005+/-0.004 χ^2/NDF:52.6/53

All: -0.002+/-0.003 χ^2/NDF: 108.8/99



Right In: 18.934+/-0.004 χ^2/NDF: 2922055.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 19.896+/-0.004 χ^2/NDF: 3753728.5/28

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

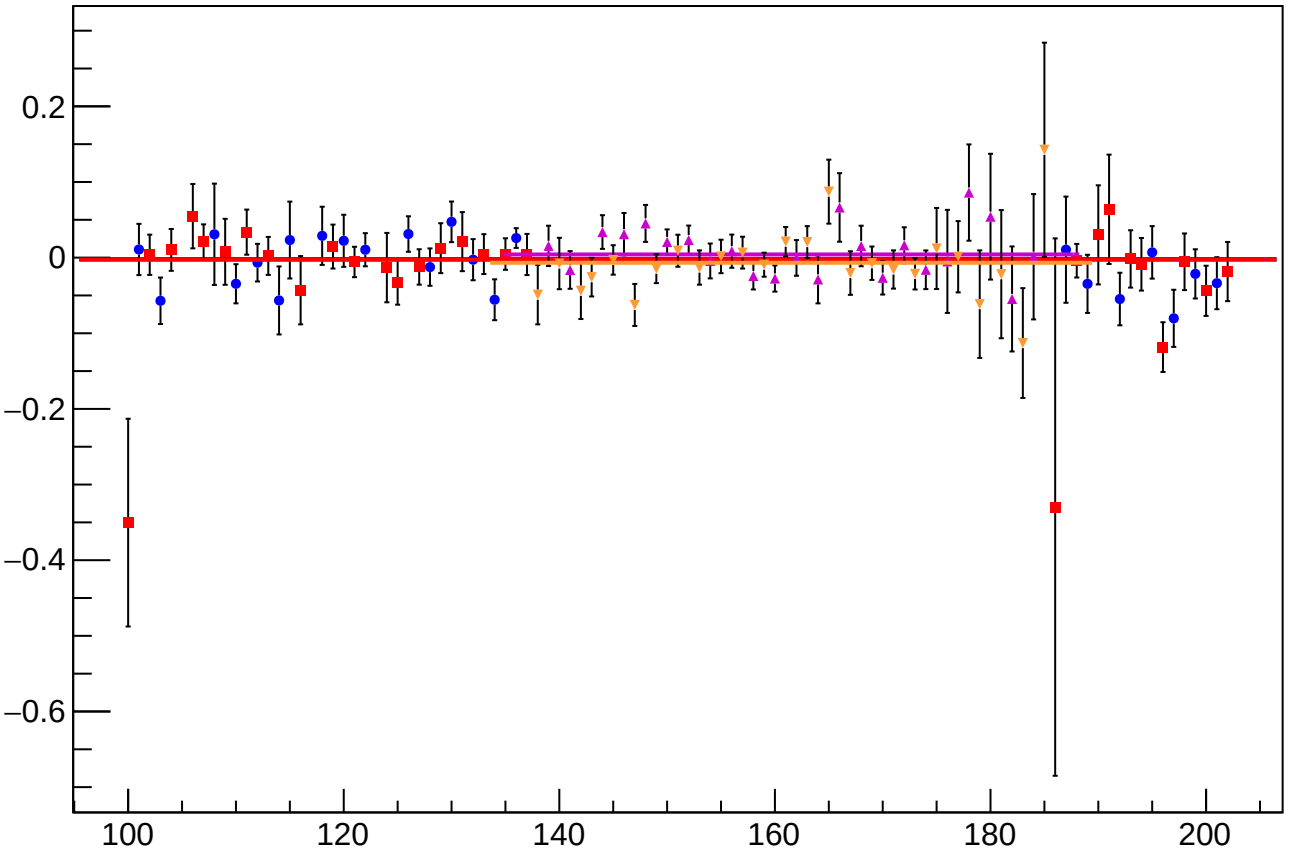
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.429+/-0.003 χ^2/NDF: 6702665.5/51

In: 20.014+/-0.003 χ^2/NDF:6574875.7/45

Out: 20.495+/-0.003 χ^2/NDF:8259711.9/53

All: 20.260+/-0.002 χ^2/NDF: 14849698.7/99



Right In: -0.002+/-0.006 χ^2/NDF: 31.1/22

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

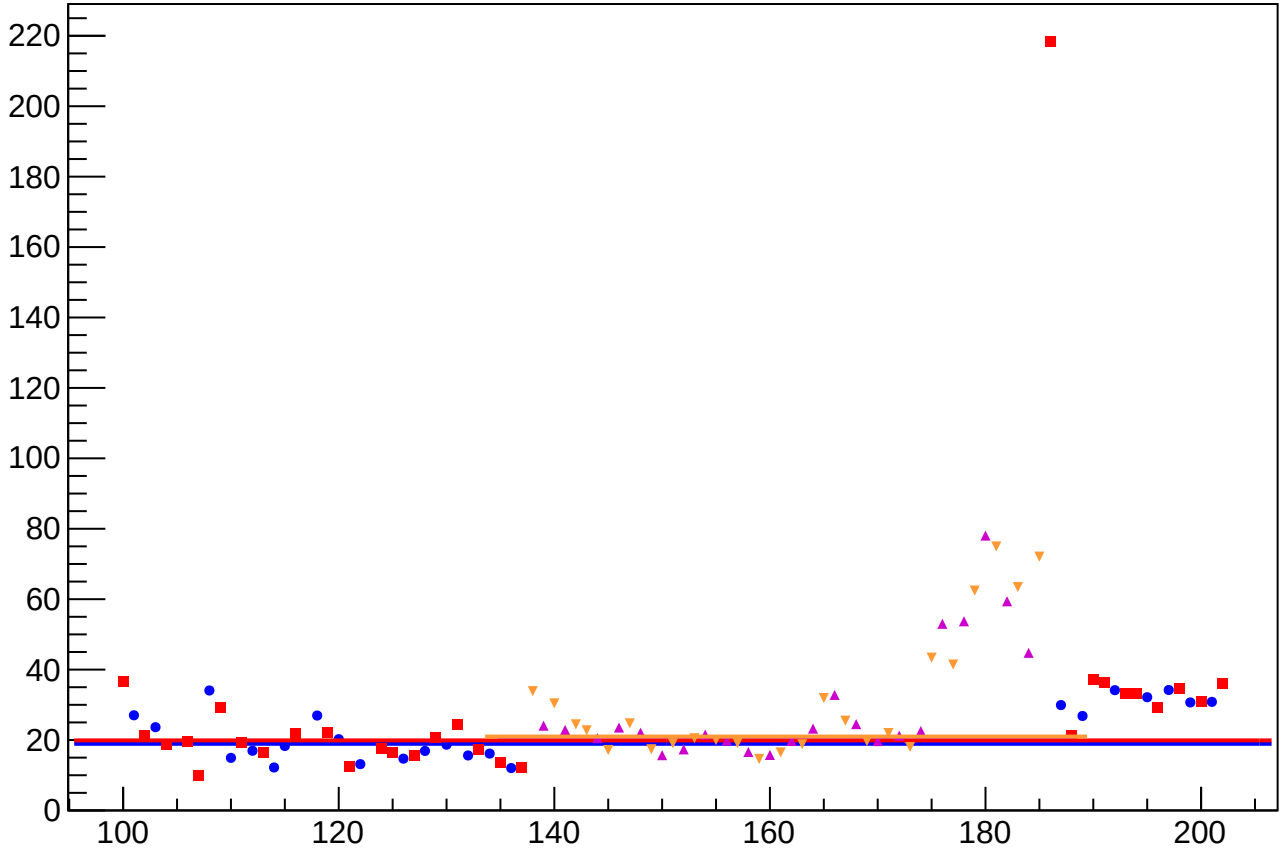
Right: -0.002+/-0.004 χ^2/NDF: 61.7/51

In: 0.001+/-0.004 χ^2/NDF:54.9/45

Out: -0.005+/-0.004 χ^2/NDF:52.6/53

All: -0.002+/-0.003 χ^2/NDF: 108.8/99

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.934+/-0.004 χ^2/NDF: 2922055.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 19.896+/-0.004 χ^2/NDF: 3753728.5/28

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

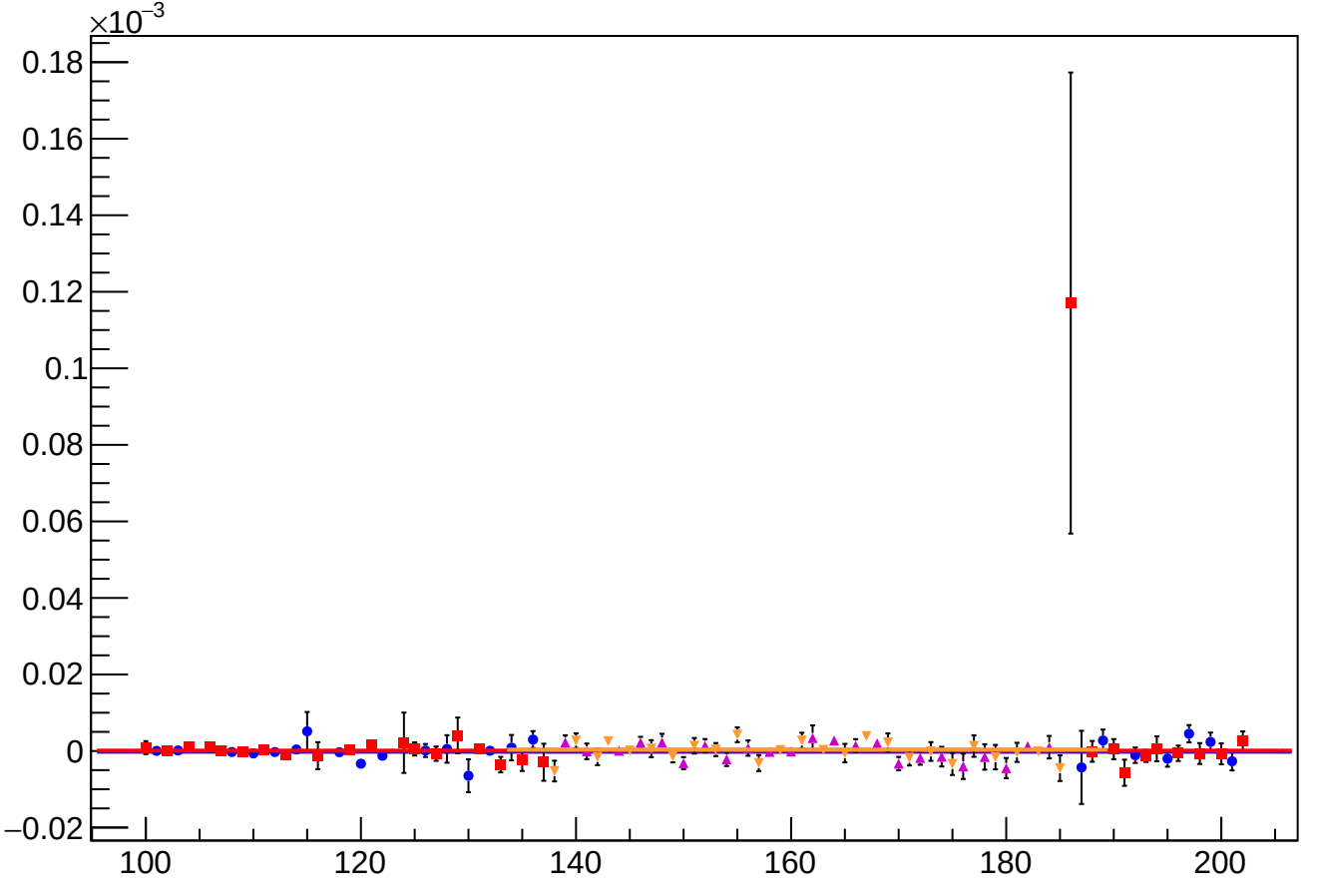
Right: 19.429+/-0.003 χ^2/NDF: 6702665.5/51

In: 20.014+/-0.003 χ^2/NDF:6574875.7/45

Out: 20.495+/-0.003 χ^2/NDF:8259711.9/53

All: 20.260+/-0.002 χ^2/NDF: 14849698.7/99

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

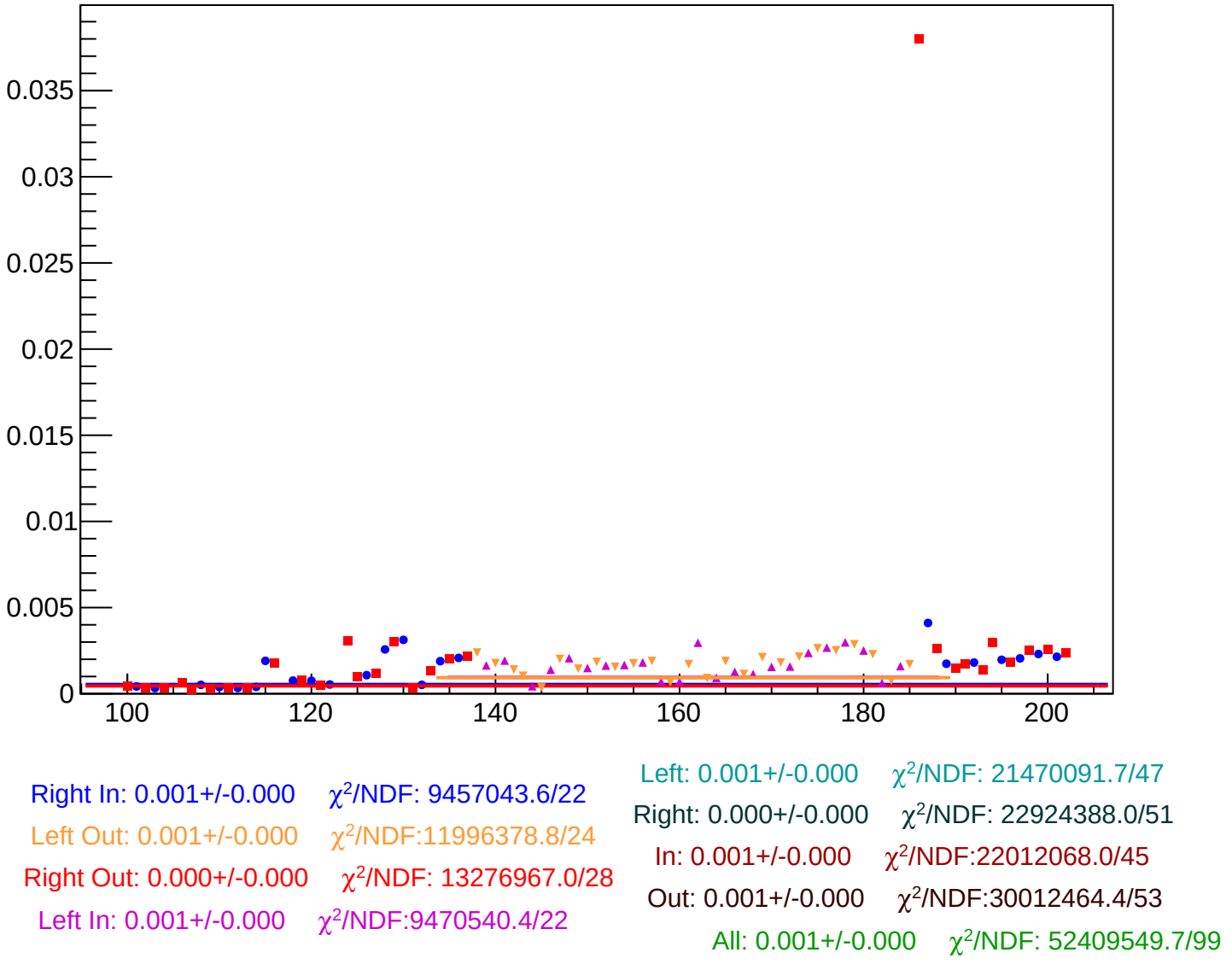
Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

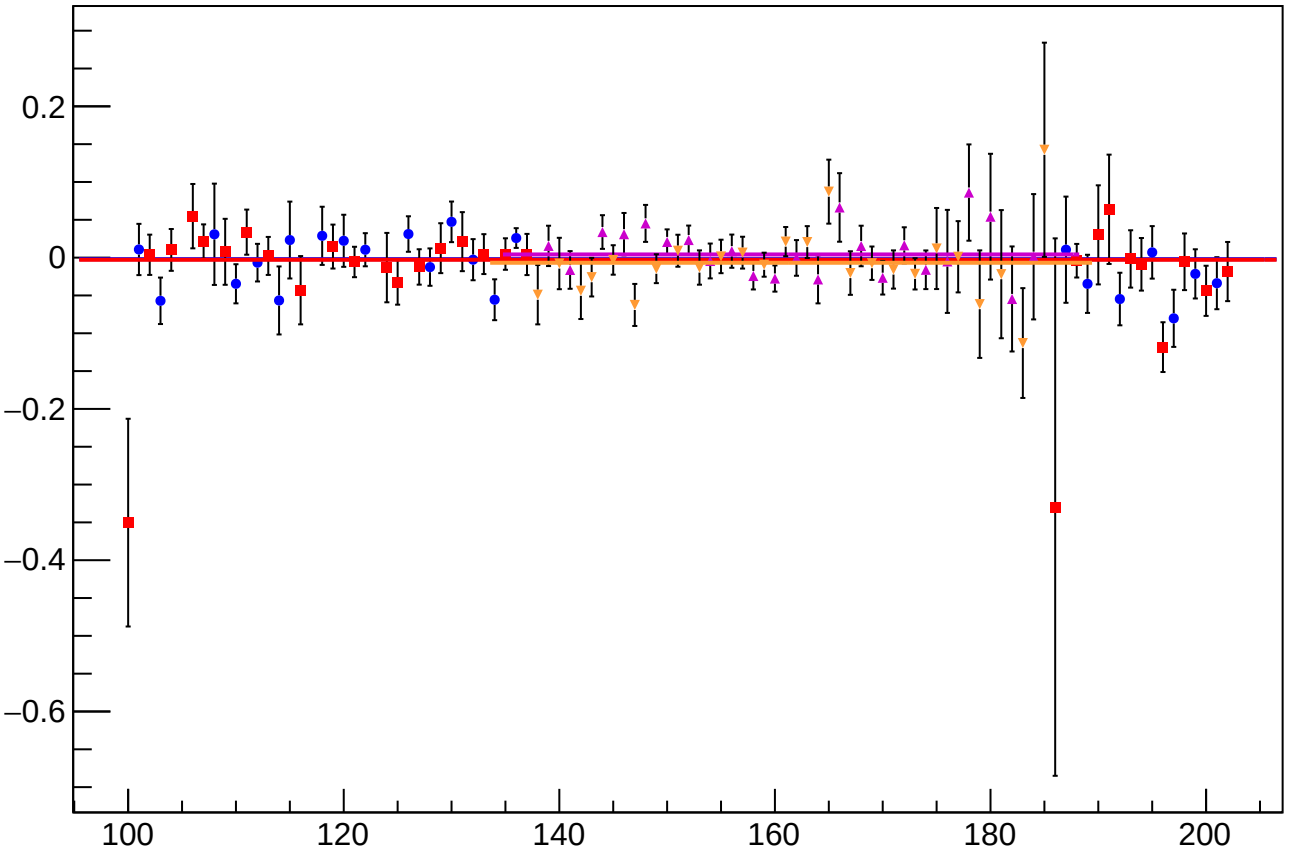
Right: -0.000+/-0.000 χ^2/NDF: 53.2/51

In: -0.000+/-0.000 χ^2/NDF:56.6/45

Out: 0.000+/-0.000 χ^2/NDF:63.9/53

All: 0.000+/-0.000 χ^2/NDF: 121.3/99


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 9457043.6/22
Left Out: 0.001+/-0.000 χ²/NDF:11996378.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 13276967.0/28
Left In: 0.001+/-0.000 χ²/NDF:9470540.4/22
Left: 0.001+/-0.000 χ²/NDF: 21470091.7/47
Right: 0.000+/-0.000 χ²/NDF: 22924388.0/51
In: 0.001+/-0.000 χ²/NDF:22012068.0/45
Out: 0.001+/-0.000 χ²/NDF:30012464.4/53
All: 0.001+/-0.000 χ²/NDF: 52409549.7/99



Right In: -0.002+/-0.006 χ^2/NDF: 31.1/22

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

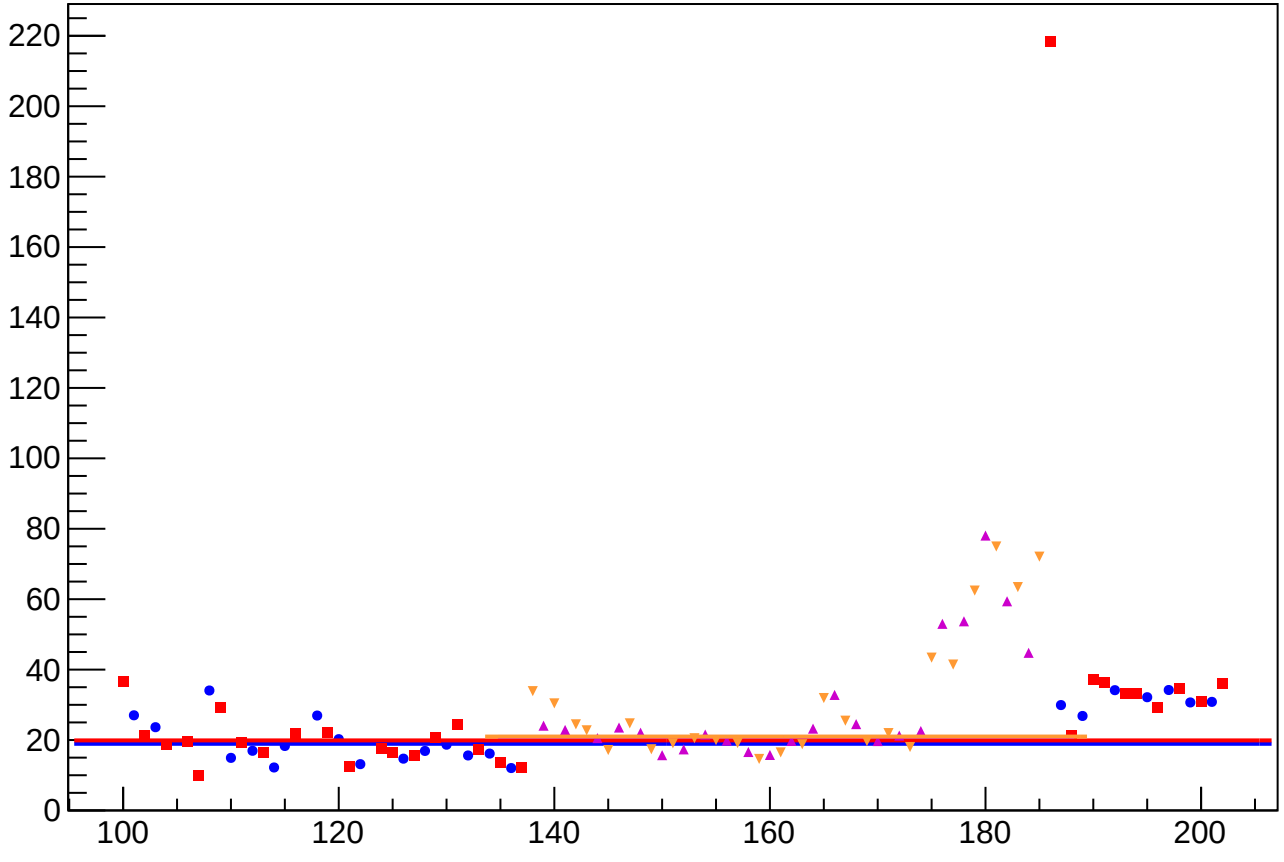
Right: -0.002+/-0.004 χ^2/NDF: 61.7/51

In: 0.001+/-0.004 χ^2/NDF:54.9/45

Out: -0.005+/-0.004 χ^2/NDF:52.6/53

All: -0.002+/-0.003 χ^2/NDF: 108.8/99

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.934+/-0.004 χ^2/NDF: 2922079.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 19.895+/-0.004 χ^2/NDF: 3753764.7/28

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

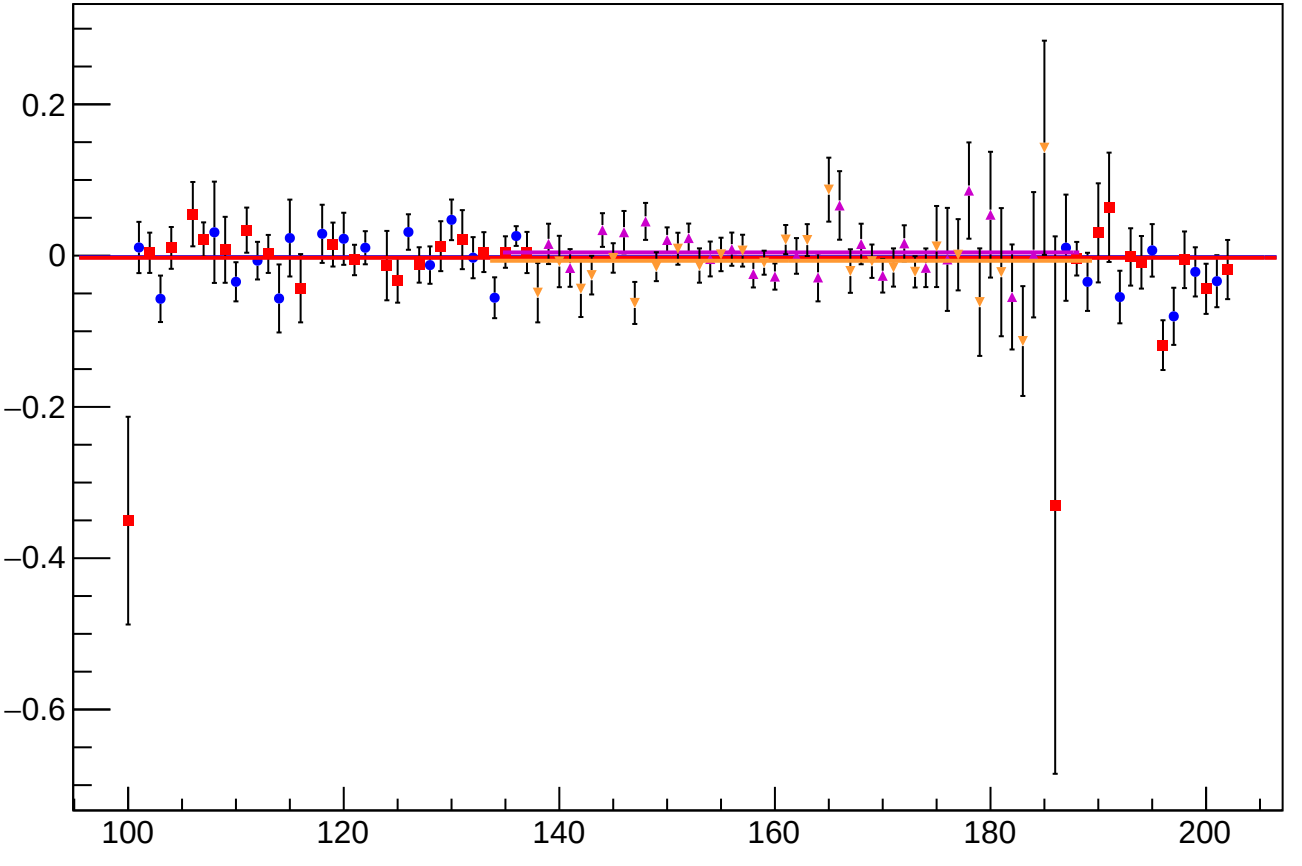
Right: 19.429+/-0.003 χ^2/NDF: 6702722.5/51

In: 20.014+/-0.003 χ^2/NDF:6574976.4/45

Out: 20.495+/-0.003 χ^2/NDF:8259748.7/53

All: 20.260+/-0.002 χ^2/NDF: 14849836.9/99

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 31.1/22

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

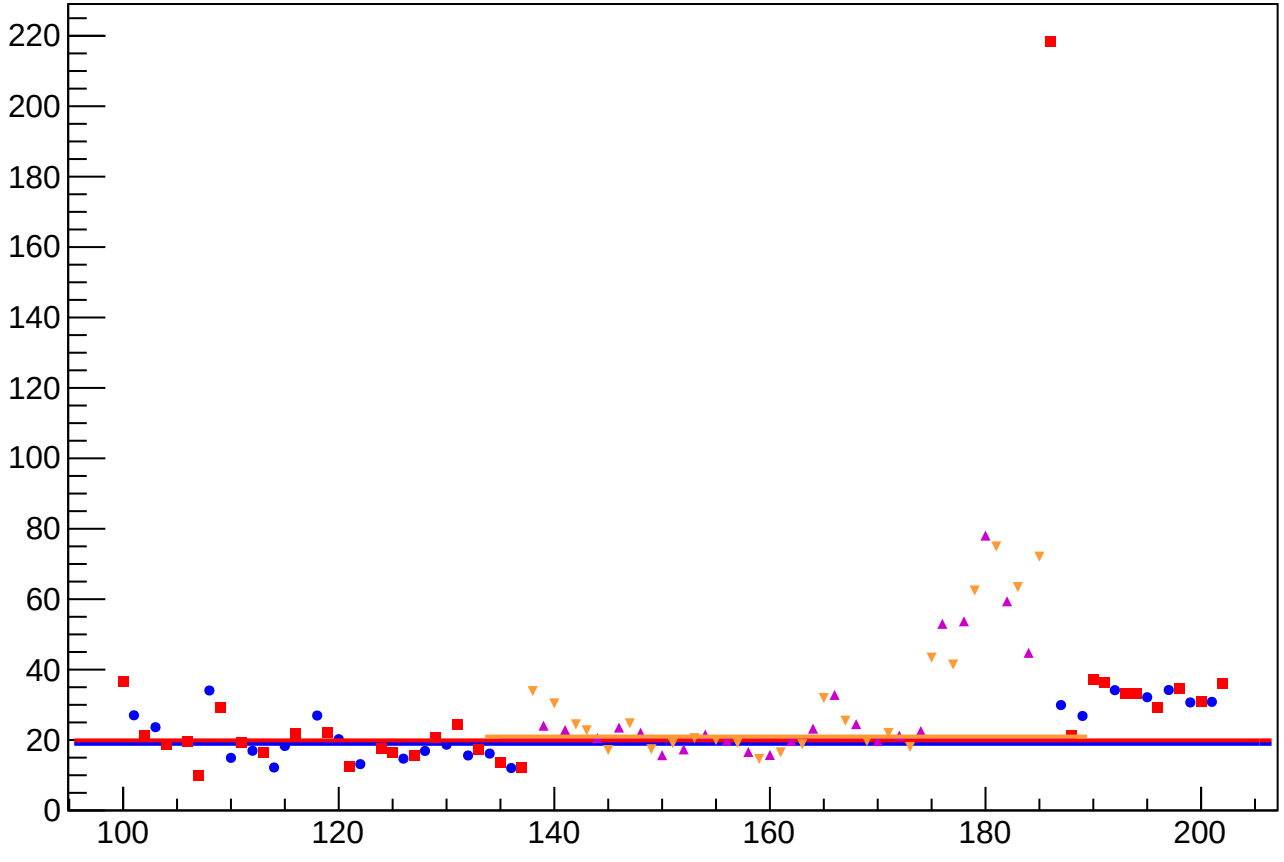
Right: -0.002+/-0.004 χ^2/NDF: 61.7/51

In: 0.001+/-0.004 χ^2/NDF:54.9/45

Out: -0.005+/-0.004 χ^2/NDF:52.6/53

All: -0.002+/-0.003 χ^2/NDF: 108.8/99

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.934+/-0.004 χ^2/NDF: 2922079.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 19.895+/-0.004 χ^2/NDF: 3753764.7/28

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

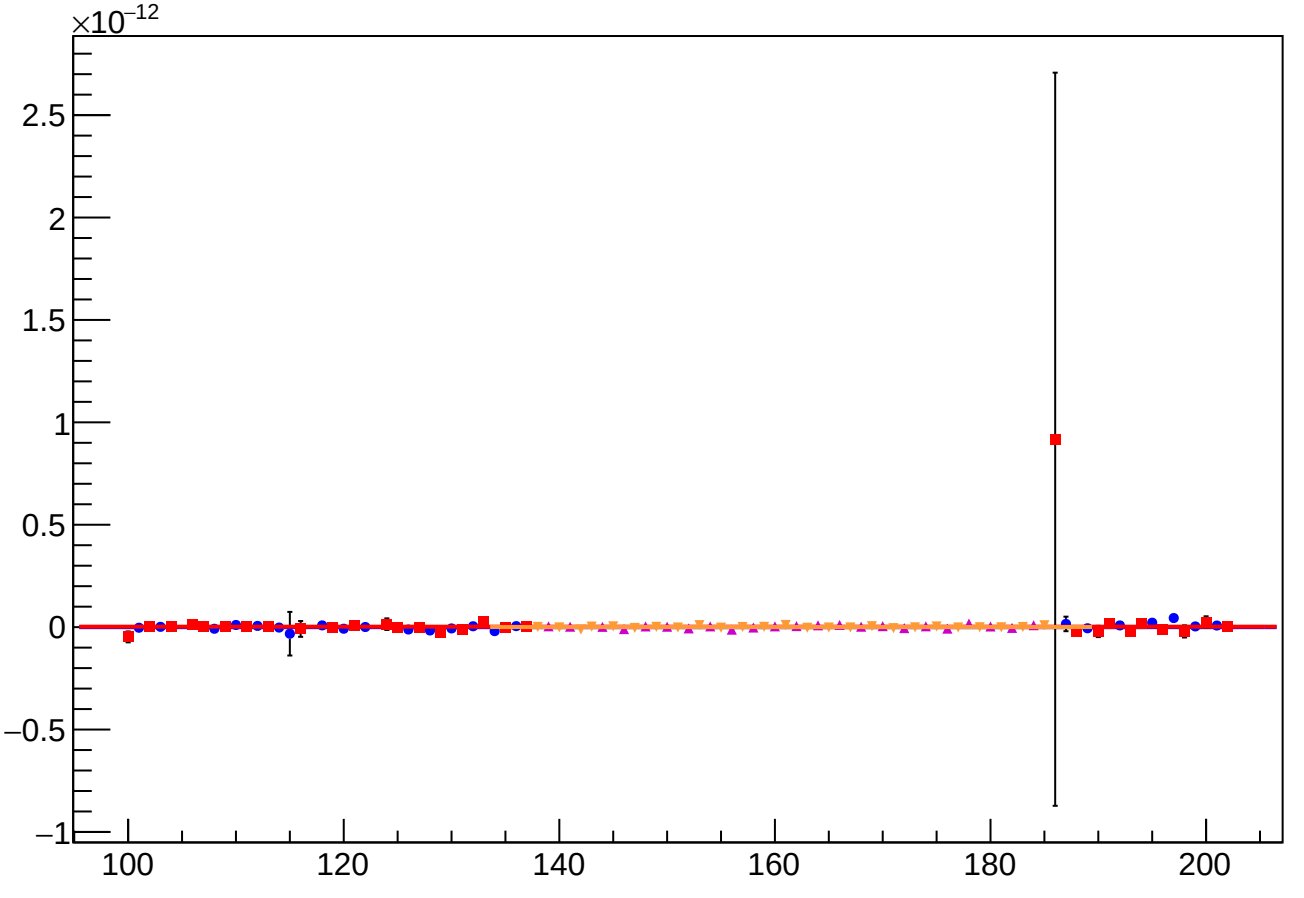
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.429+/-0.003 χ^2/NDF: 6702722.5/51

In: 20.014+/-0.003 χ^2/NDF:6574976.4/45

Out: 20.495+/-0.003 χ^2/NDF:8259748.7/53

All: 20.260+/-0.002 χ^2/NDF: 14849836.9/99



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/28

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

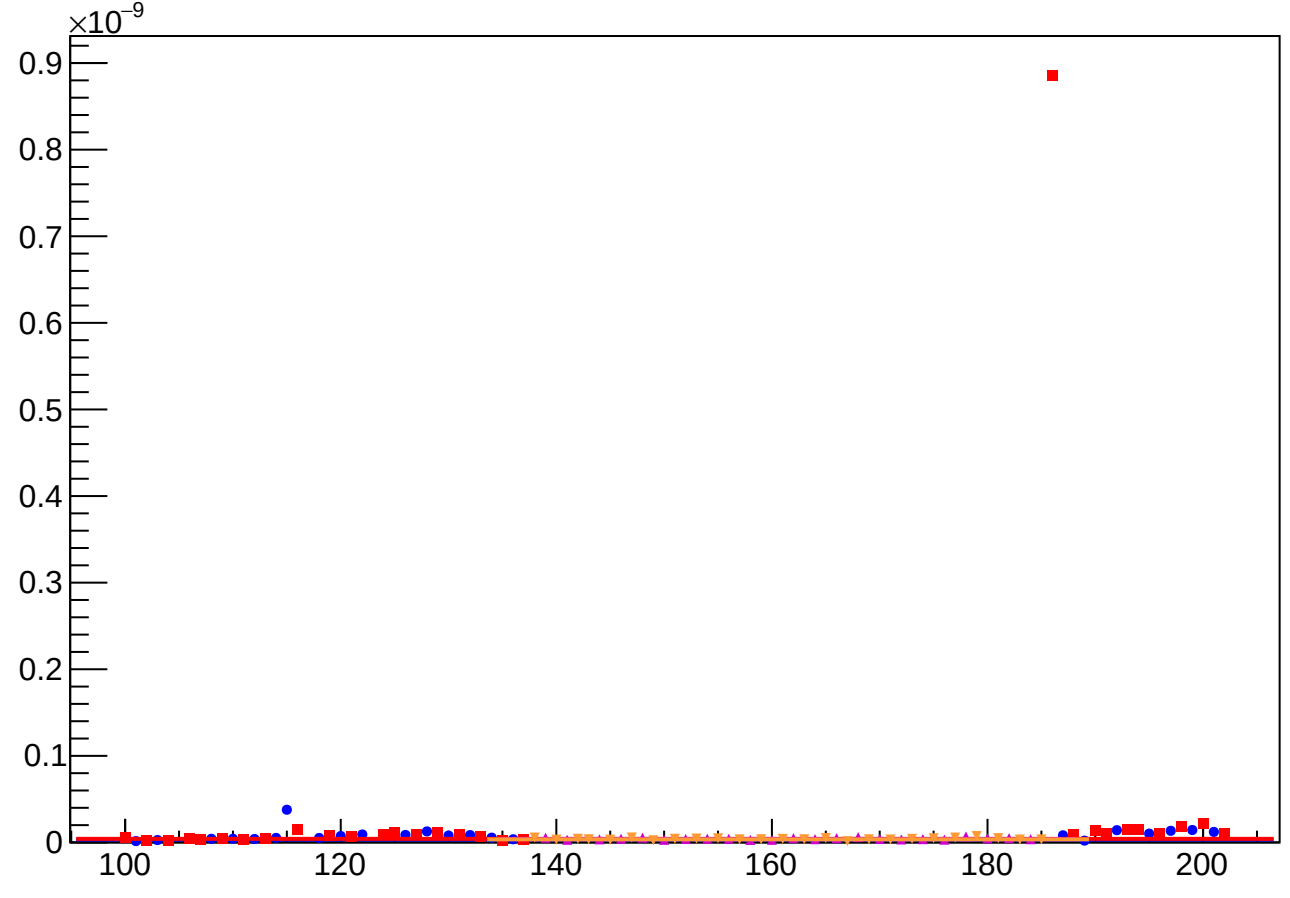
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 42.0/51

In: 0.000+/-0.000 χ^2/NDF:45.4/45

Out: 0.000+/-0.000 χ^2/NDF:37.5/53

All: 0.000+/-0.000 χ^2/NDF: 83.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 5610897.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6937493.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

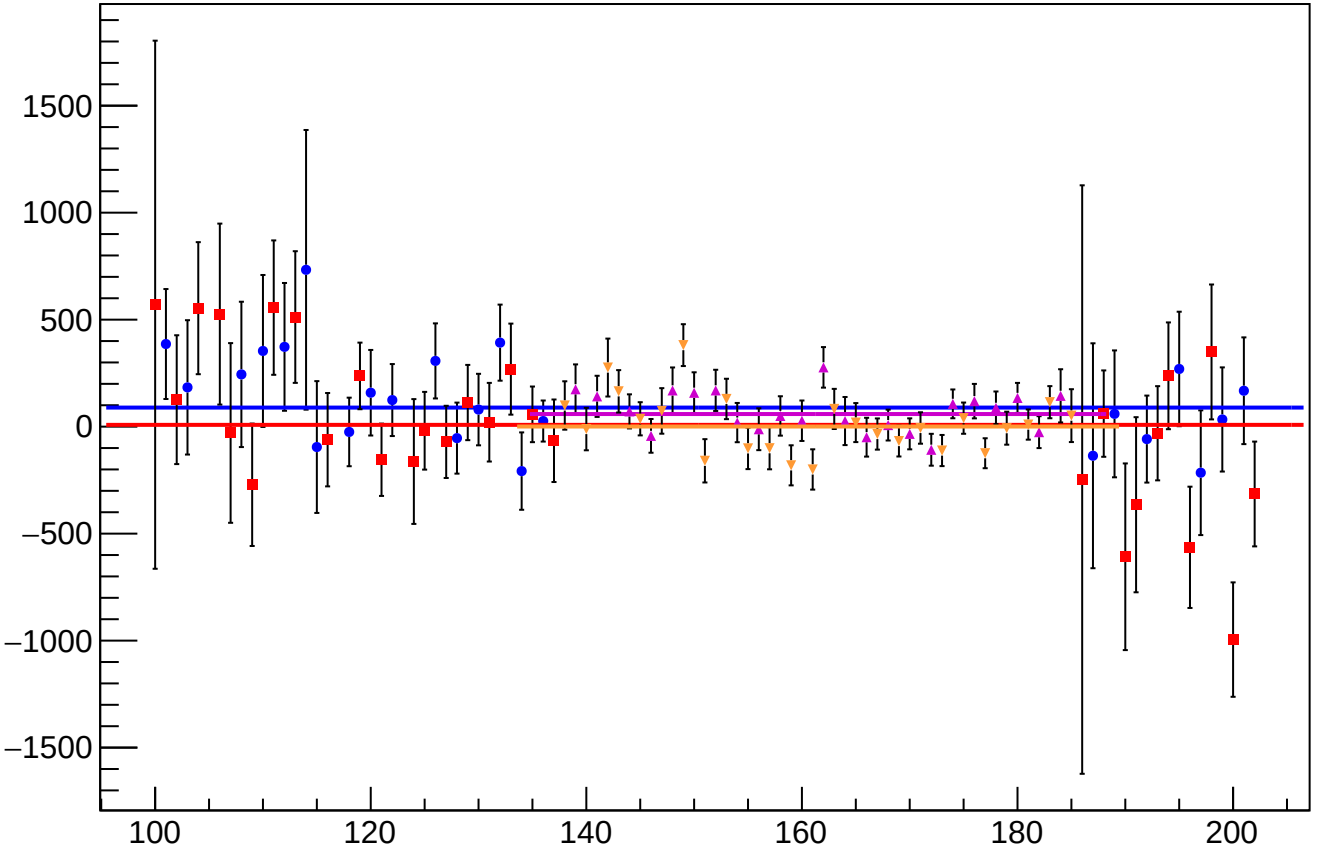
Right: 0.000+/-0.000 χ^2/NDF: 12789546.2/51

In: 0.000+/-0.000 χ^2/NDF:6981738.7/45

Out: 0.000+/-0.000 χ^2/NDF:9648526.7/53

All: 0.000+/-0.000 χ^2/NDF: 16630372.0/99

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 89.103+/-43.086 χ^2/NDF: 15.8/22

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 8.333+/-43.146 χ^2/NDF: 42.5/28

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

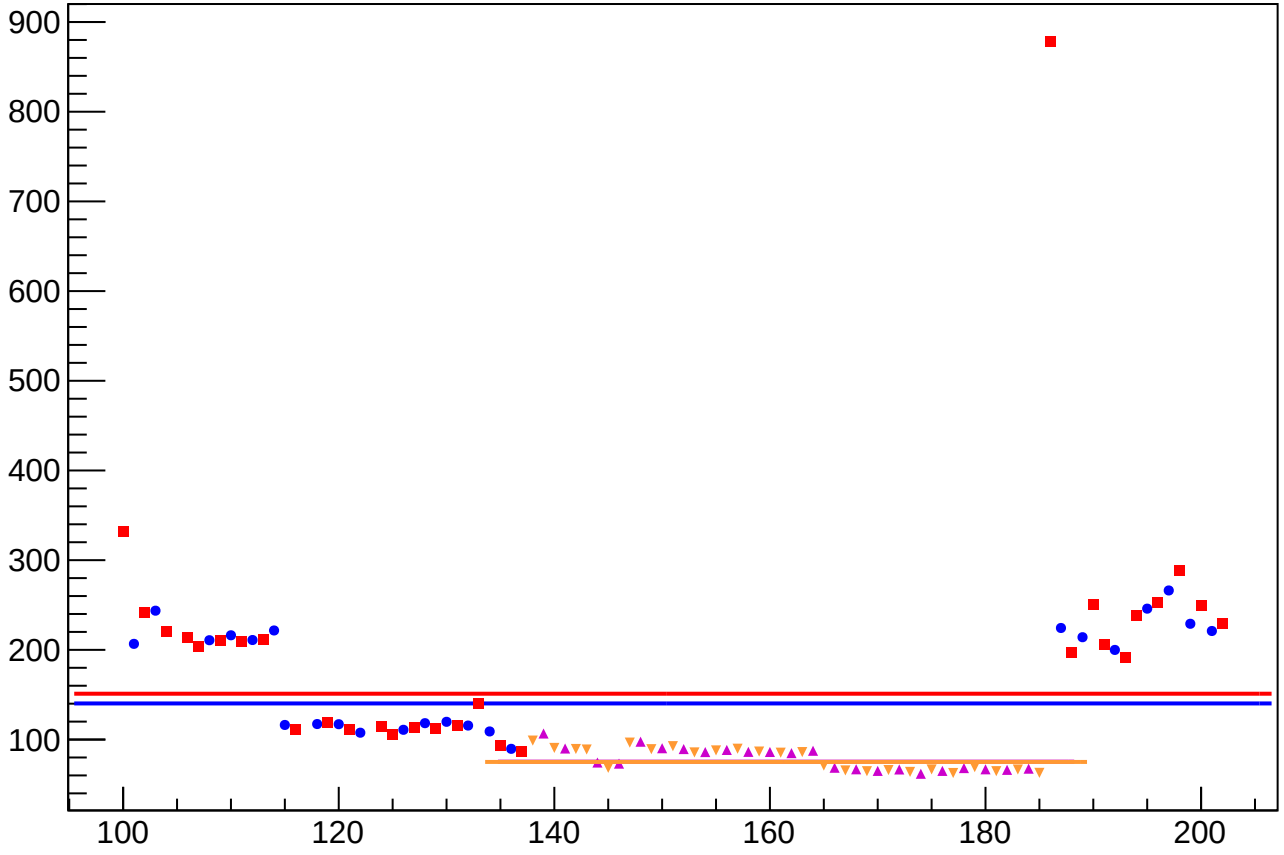
Right: 48.774+/-30.488 χ^2/NDF: 60.1/51

In: 63.342+/-16.514 χ^2/NDF:42.1/45

Out: 1.671+/-16.073 χ^2/NDF:91.1/53

All: 31.672+/-11.518 χ^2/NDF: 140.3/99

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 140.258+/-0.030 χ^2/NDF: 3111998.4/22

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 151.103+/-0.031 χ^2/NDF: 4177584.9/28

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

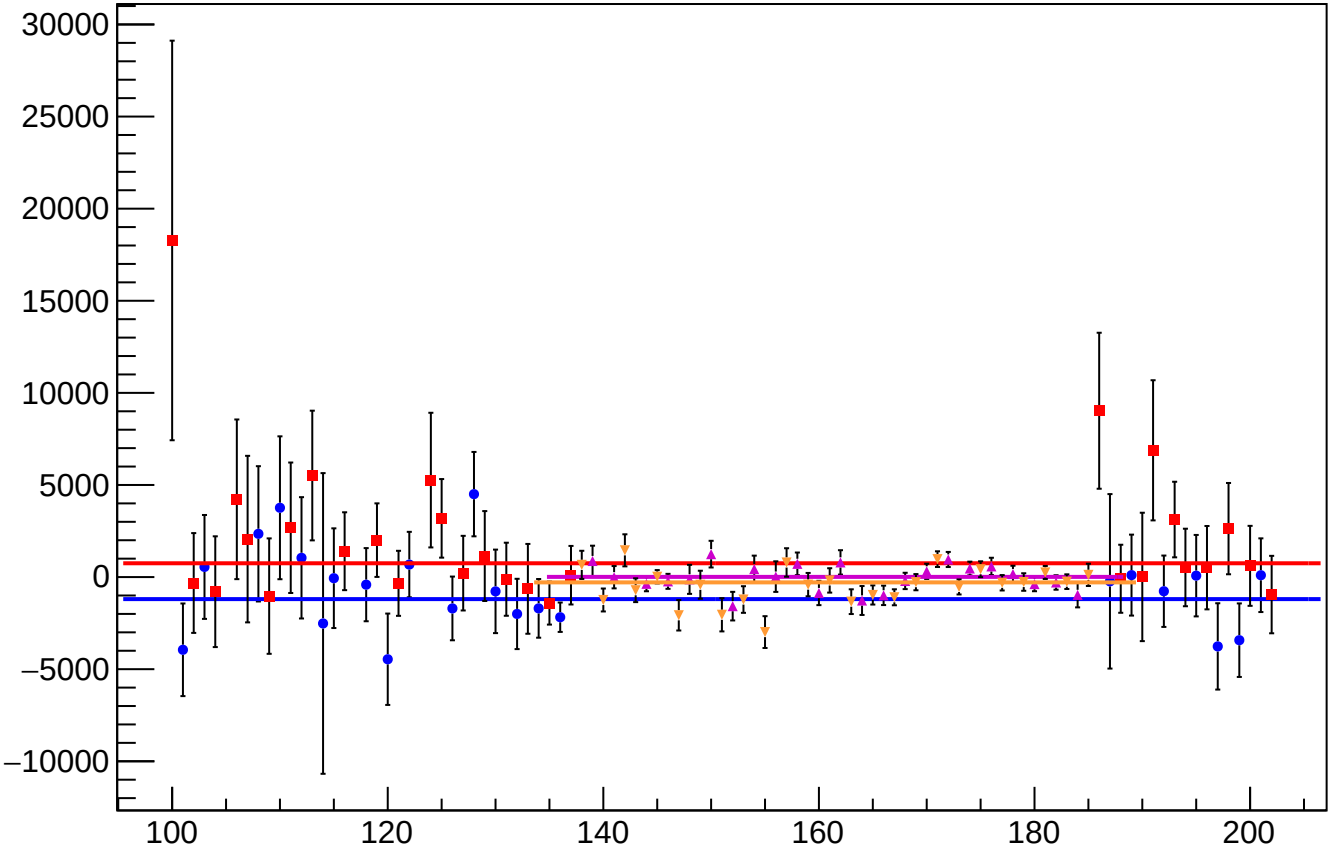
Right: 145.673+/-0.022 χ^2/NDF: 7352845.6/51

In: 84.887+/-0.012 χ^2/NDF:7821524.0/45

Out: 85.596+/-0.011 χ^2/NDF:10458634.8/53

All: 85.251+/-0.008 χ^2/NDF: 18282056.4/99

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1195.876+/-416.454 χ^2/NDF: 19.6/22

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 749.410+/-428.993 χ^2/NDF: 23.4/28

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

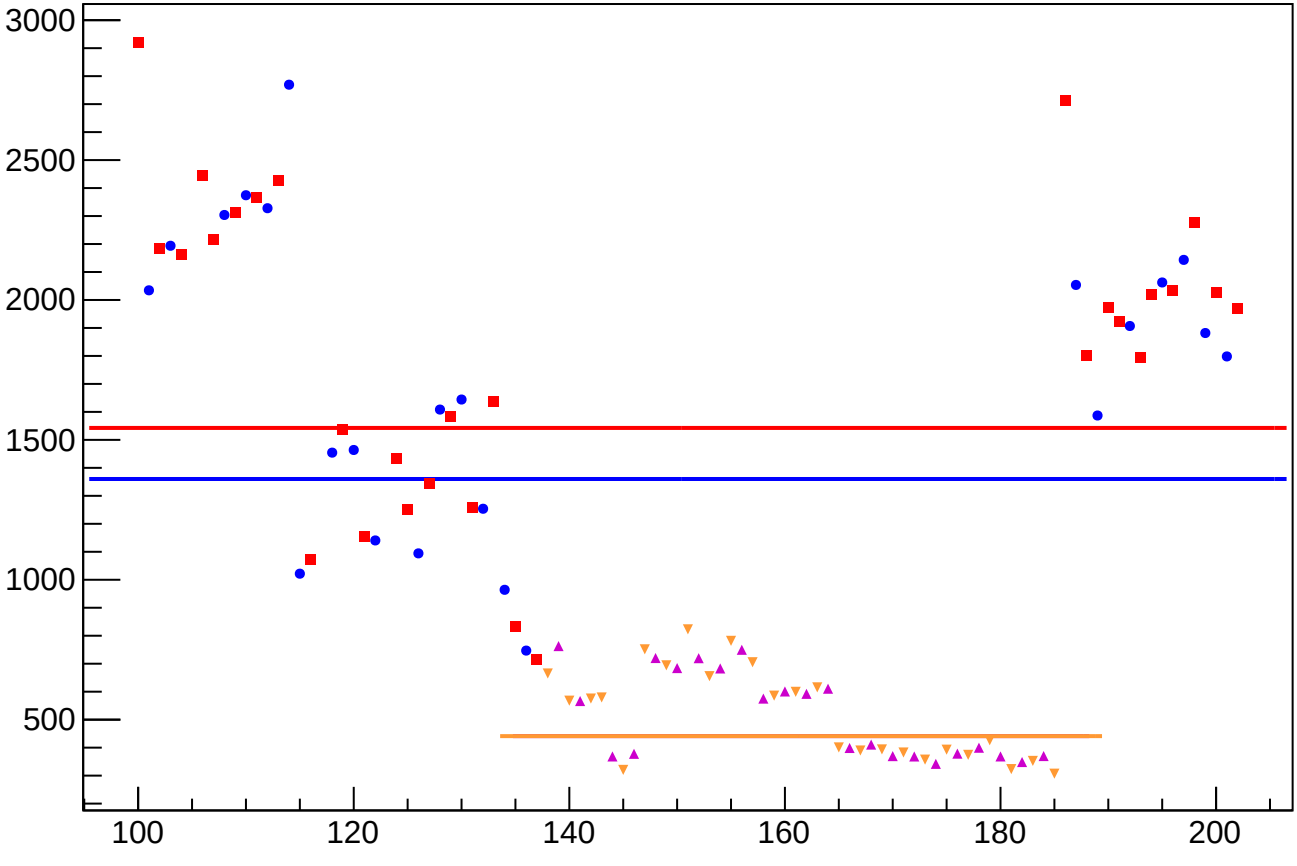
Right: -252.079+/-298.812 χ^2/NDF: 53.5/51

In: -64.951+/-104.242 χ^2/NDF:60.8/45

Out: -229.195+/-102.201 χ^2/NDF:82.2/53

All: -148.696+/-72.978 χ^2/NDF: 144.3/99

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1360.173+/-0.294 χ^2/NDF: 3184323.7/22

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1542.673+/-0.303 χ^2/NDF: 3121307.7/28

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

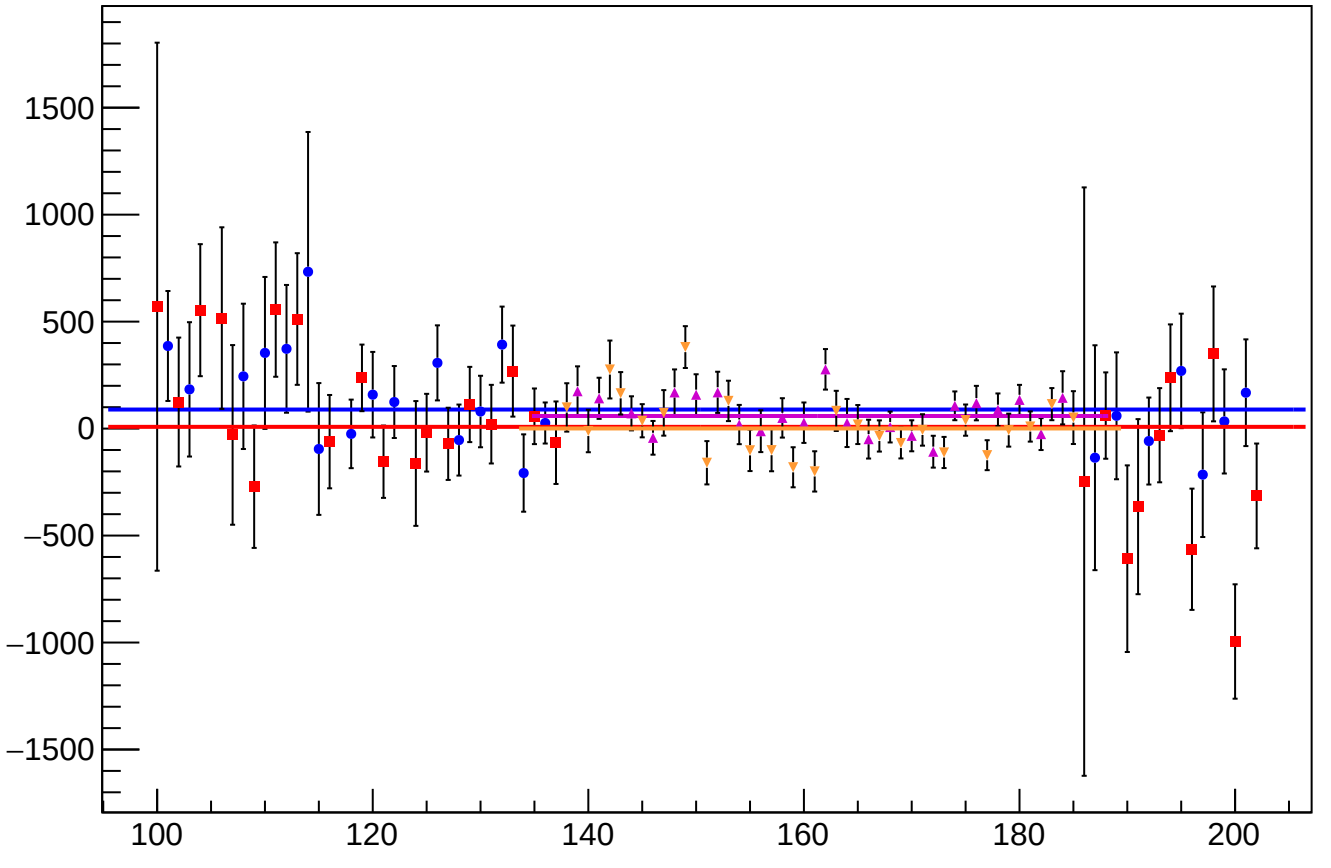
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1448.717+/-0.211 χ^2/NDF: 6491976.7/51

In: 498.774+/-0.074 χ^2/NDF:14995008.8/45

Out: 503.648+/-0.072 χ^2/NDF:18794114.2/53

All: 501.259+/-0.052 χ^2/NDF: 33791352.3/99



Right In: 89.087+/-43.086 χ^2/NDF: 15.8/22

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 8.155+/-43.148 χ^2/NDF: 42.4/28

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

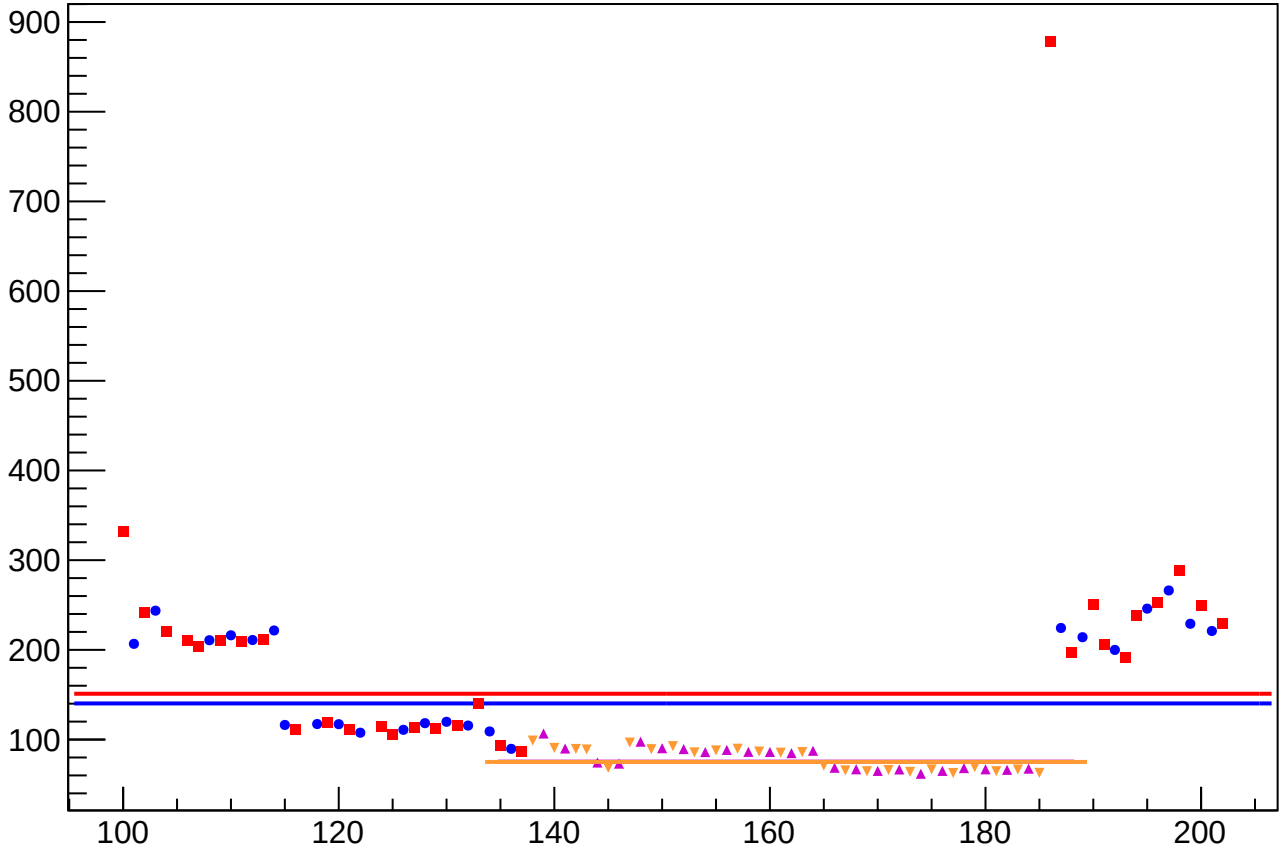
Right: 48.679+/-30.489 χ^2/NDF: 60.0/51

In: 63.338+/-16.514 χ^2/NDF:42.1/45

Out: 1.646+/-16.073 χ^2/NDF:91.0/53

All: 31.658+/-11.518 χ^2/NDF: 140.3/99

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 140.258+/-0.030 χ^2/NDF: 3112000.9/22

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 151.067+/-0.031 χ^2/NDF: 4173397.8/28

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

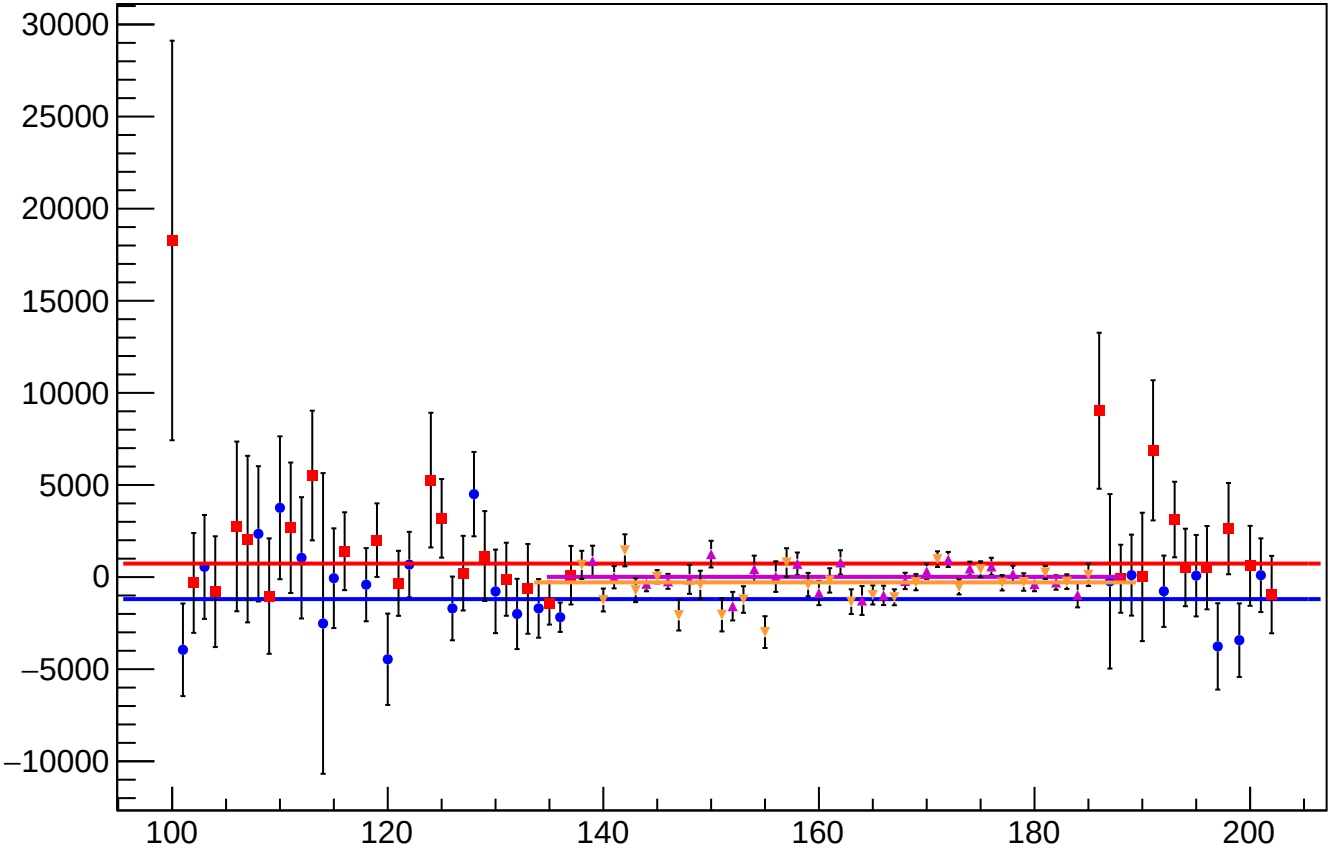
Right: 145.655+/-0.022 χ^2/NDF: 7348239.3/51

In: 84.887+/-0.012 χ^2/NDF:7821526.0/45

Out: 85.590+/-0.011 χ^2/NDF:10448948.1/53

All: 85.248+/-0.008 χ^2/NDF: 18272340.6/99

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1195.860+/-416.455 χ^2/NDF: 19.6/22

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 732.887+/-429.242 χ^2/NDF: 22.9/28

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

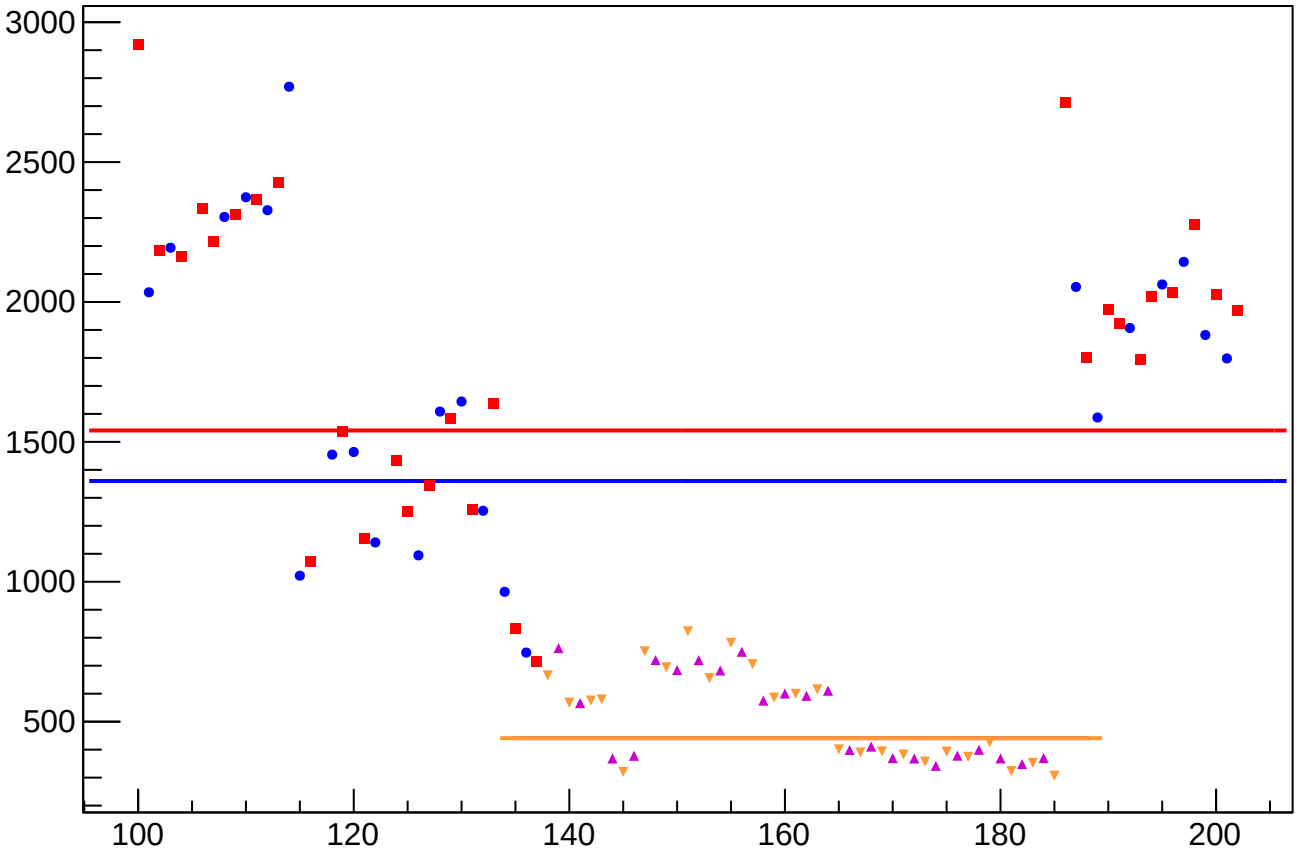
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -260.644+/-298.896 χ^2/NDF: 52.9/51

In: -64.948+/-104.242 χ^2/NDF:60.8/45

Out: -230.196+/-102.205 χ^2/NDF:81.6/53

All: -149.203+/-72.979 χ^2/NDF: 143.7/99



Right In: 1360.173+/-0.294 χ^2/NDF: 3184354.9/22

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1540.724+/-0.304 χ^2/NDF: 3094197.9/28

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

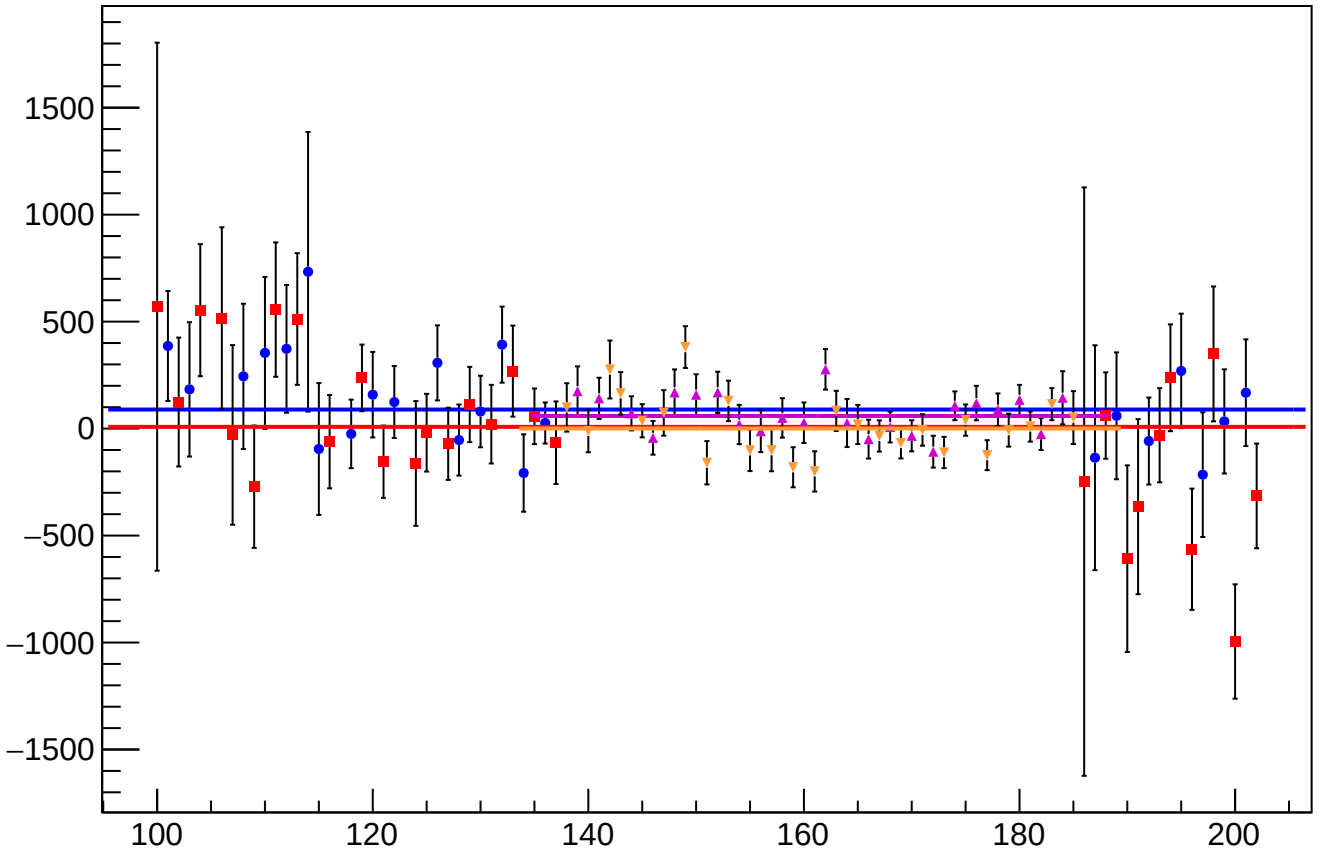
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1447.719+/-0.211 χ^2/NDF: 6460829.2/51

In: 498.774+/-0.074 χ^2/NDF:14995019.0/45

Out: 503.469+/-0.072 χ^2/NDF:18709469.0/53

All: 501.168+/-0.052 χ^2/NDF: 33706556.6/99



Right In: 89.087+/-43.086 χ^2/NDF: 15.8/22

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 8.155+/-43.148 χ^2/NDF: 42.4/28

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

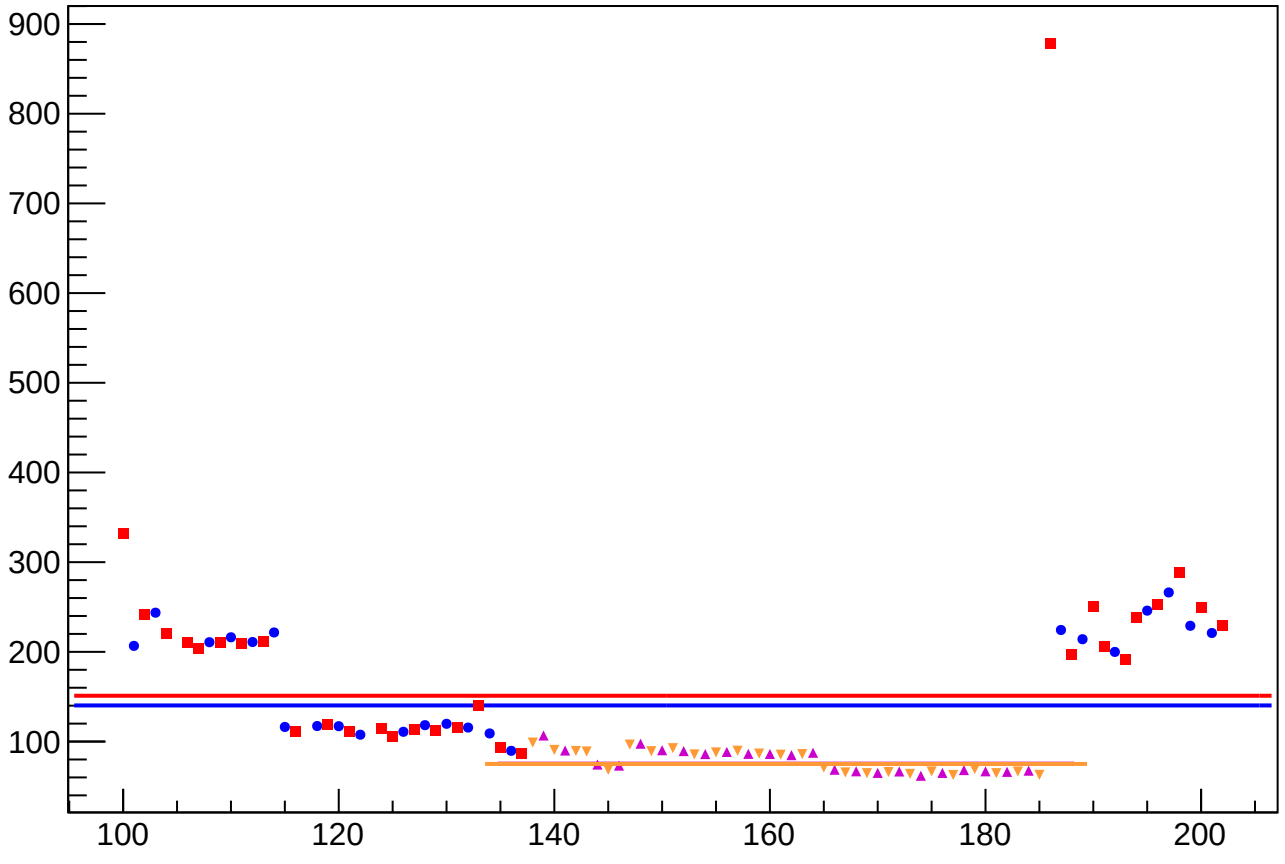
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 48.679+/-30.489 χ^2/NDF: 60.0/51

In: 63.338+/-16.514 χ^2/NDF:42.1/45

Out: 1.646+/-16.073 χ^2/NDF:91.0/53

All: 31.658+/-11.518 χ^2/NDF: 140.3/99



Right In: 140.258+/-0.030 χ^2/NDF: 3112000.9/22

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 151.067+/-0.031 χ^2/NDF: 4173397.8/28

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

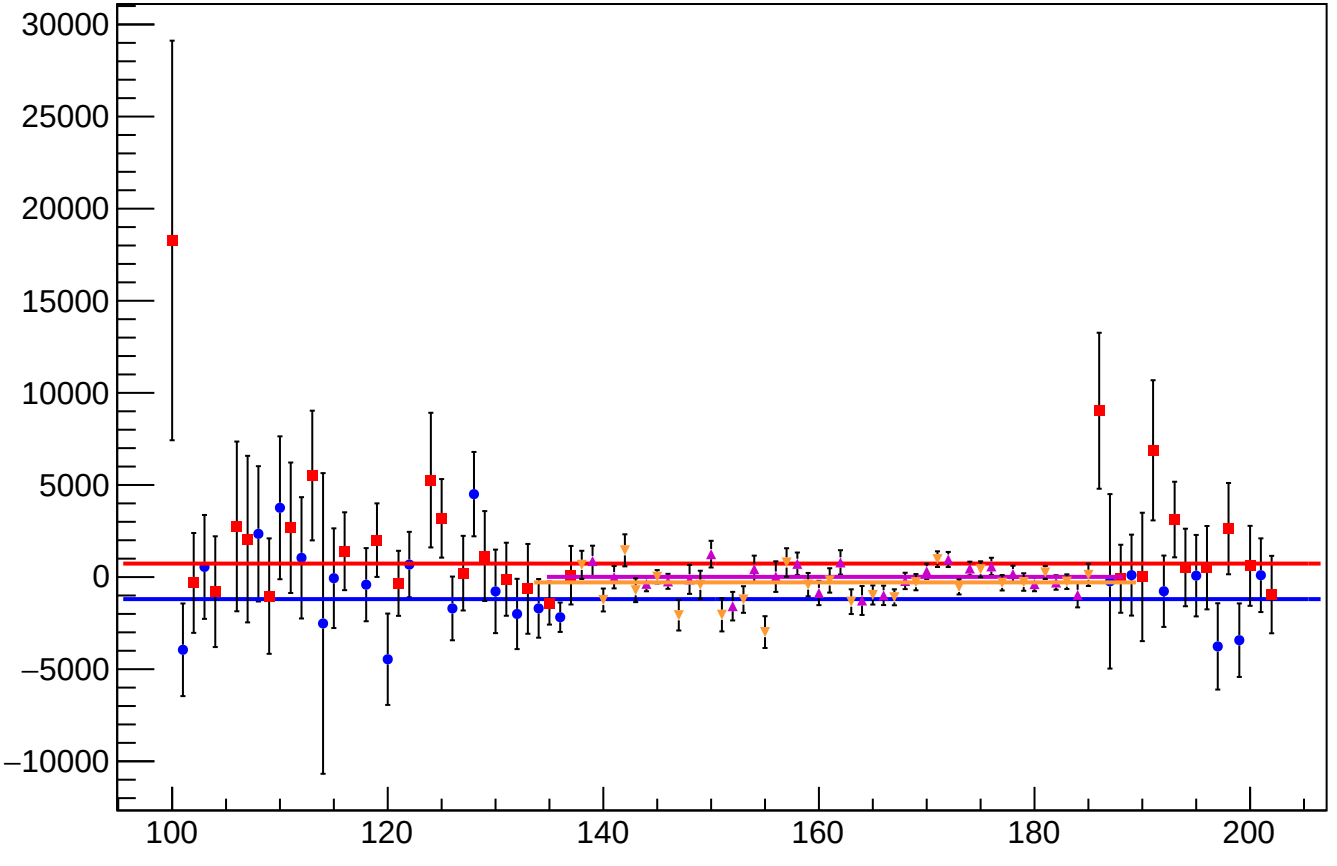
Right: 145.655+/-0.022 χ^2/NDF: 7348239.3/51

In: 84.887+/-0.012 χ^2/NDF:7821526.0/45

Out: 85.590+/-0.011 χ^2/NDF:10448948.1/53

All: 85.248+/-0.008 χ^2/NDF: 18272340.6/99

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1195.860+/-416.455 χ^2/NDF: 19.6/22

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 732.887+/-429.242 χ^2/NDF: 22.9/28

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

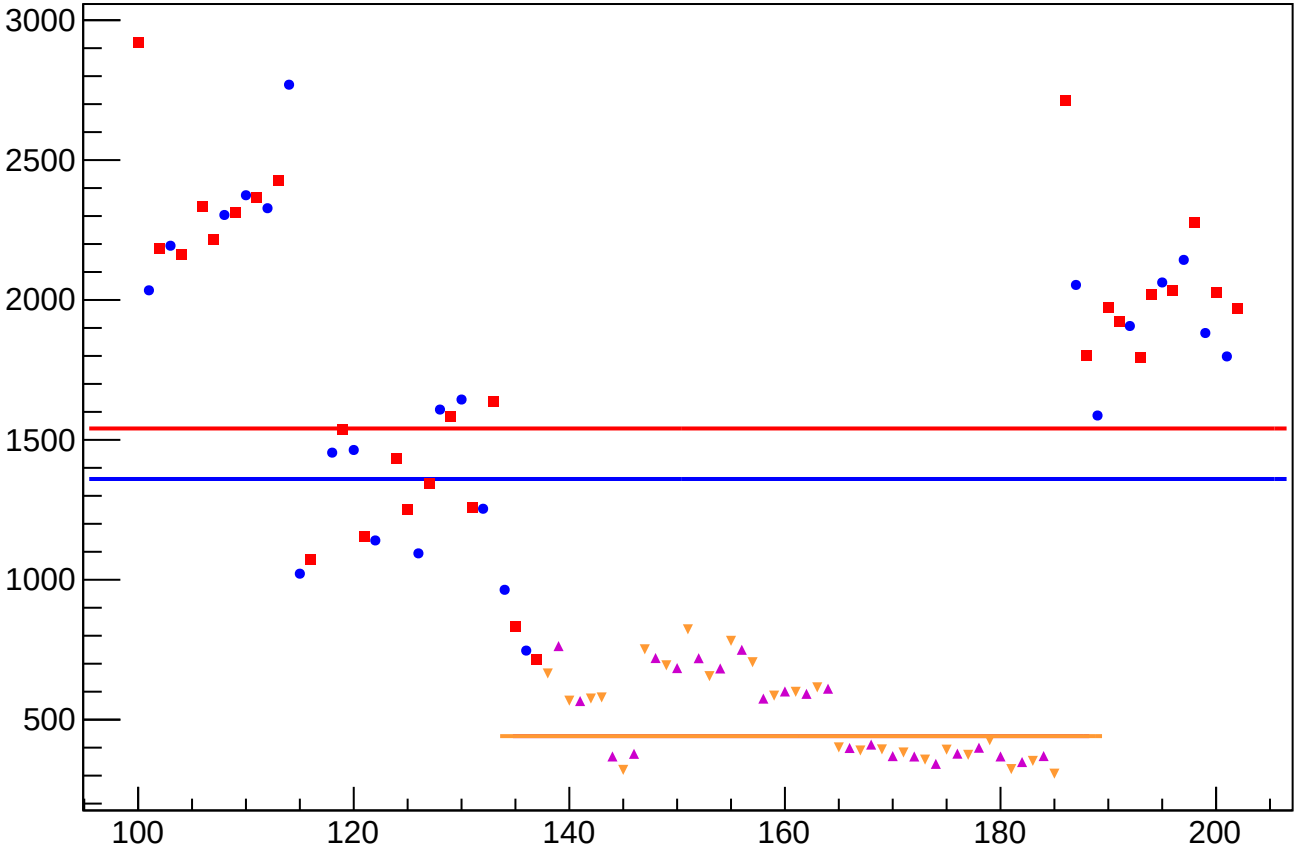
Right: -260.644+/-298.896 χ^2/NDF: 52.9/51

In: -64.948+/-104.242 χ^2/NDF:60.8/45

Out: -230.196+/-102.205 χ^2/NDF:81.6/53

All: -149.203+/-72.979 χ^2/NDF: 143.7/99

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1360.173+/-0.294 χ^2/NDF: 3184354.9/22

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1540.724+/-0.304 χ^2/NDF: 3094197.9/28

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

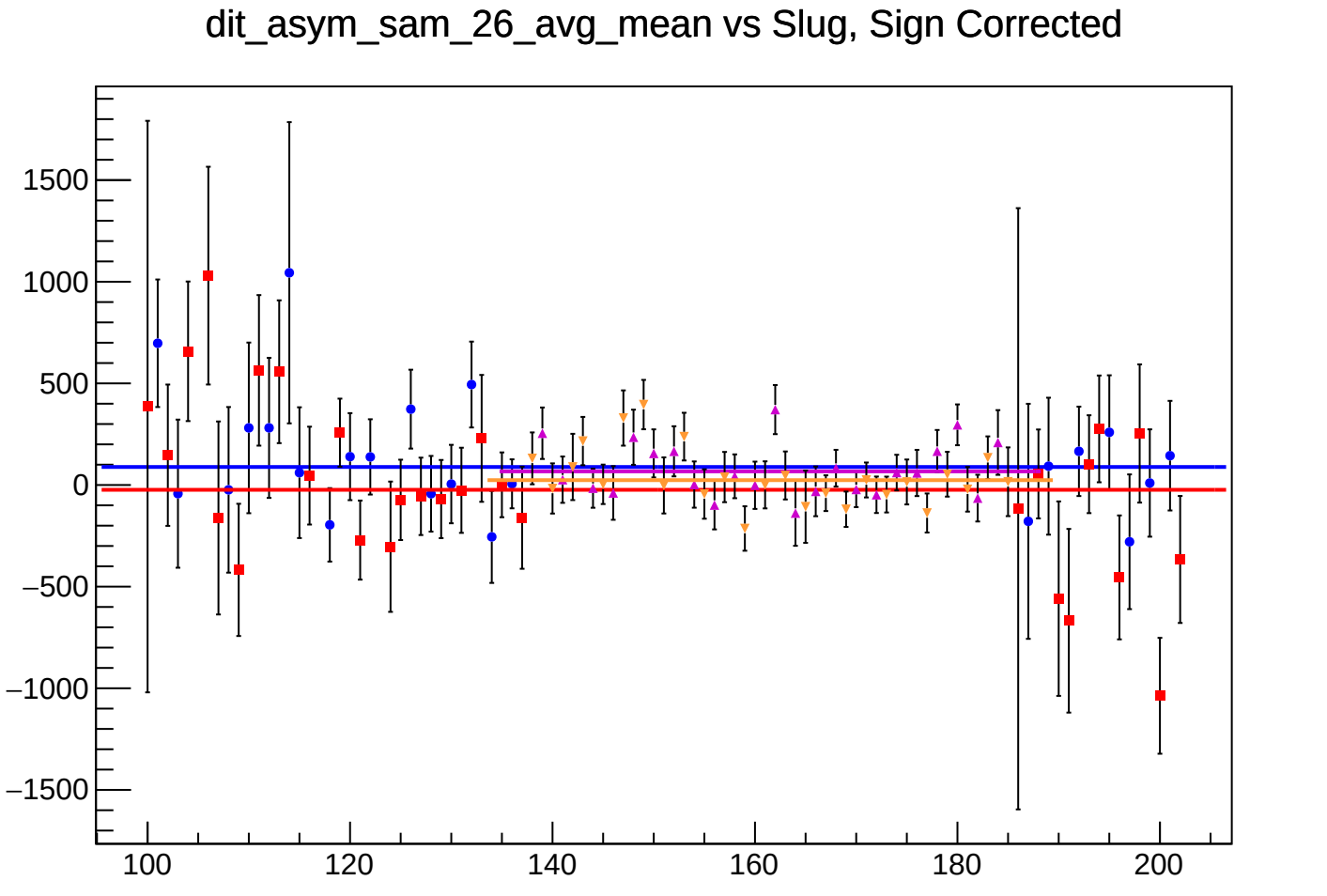
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1447.719+/-0.211 χ^2/NDF: 6460829.2/51

In: 498.774+/-0.074 χ^2/NDF:14995019.0/45

Out: 503.469+/-0.072 χ^2/NDF:18709469.0/53

All: 501.168+/-0.052 χ^2/NDF: 33706556.6/99



Right In: 88.681+/-49.611 χ^2/NDF: 20.1/22

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -23.601+/-49.268 χ^2/NDF: 42.8/28

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

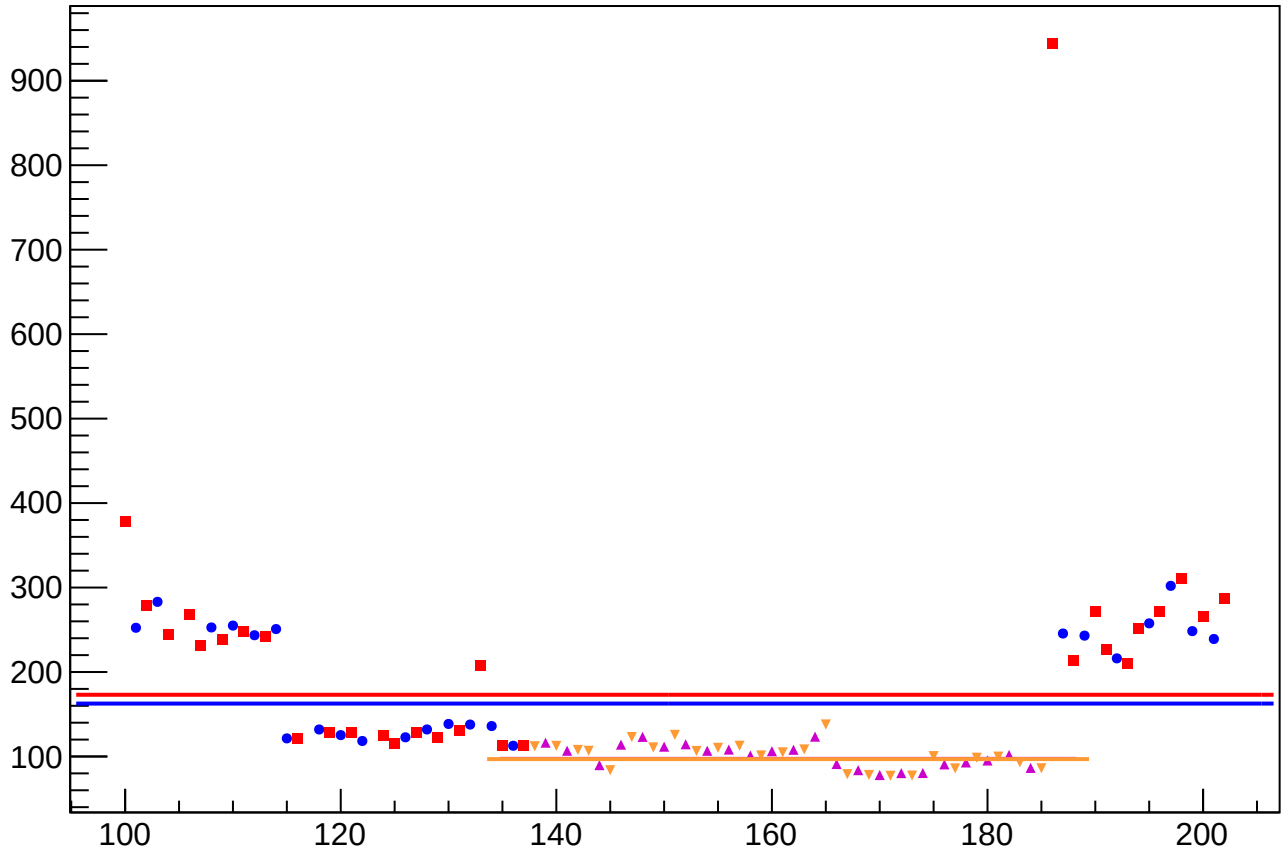
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 32.150+/-34.958 χ^2/NDF: 65.6/51

In: 70.939+/-20.957 χ^2/NDF:48.9/45

Out: 15.732+/-20.402 χ^2/NDF:78.8/53

All: 42.595+/-14.619 χ^2/NDF: 131.3/99



Right In: 162.648+/-0.035 χ^2/NDF: 2778226.5/22

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 173.067+/-0.035 χ^2/NDF: 3913095.8/28

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

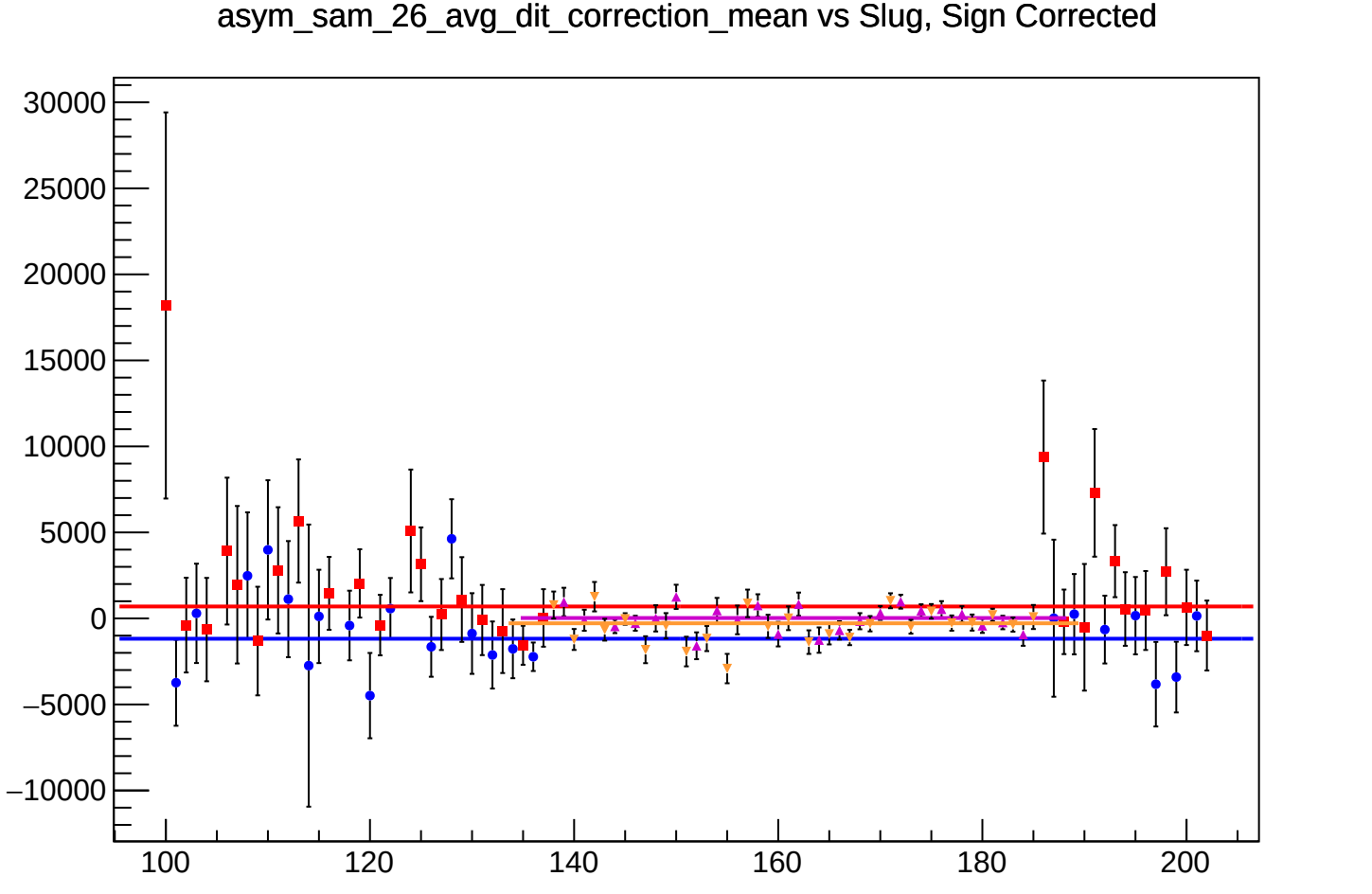
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 167.893+/-0.025 χ^2/NDF: 6735736.1/51

In: 108.852+/-0.015 χ^2/NDF:6315196.5/45

Out: 109.967+/-0.014 χ^2/NDF:8806692.9/53

All: 109.424+/-0.010 χ^2/NDF: 15124798.9/99



Right In: -1179.493+/-427.639 χ^2/NDF: 19.6/22

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 695.142+/-431.558 χ^2/NDF: 24.8/28

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

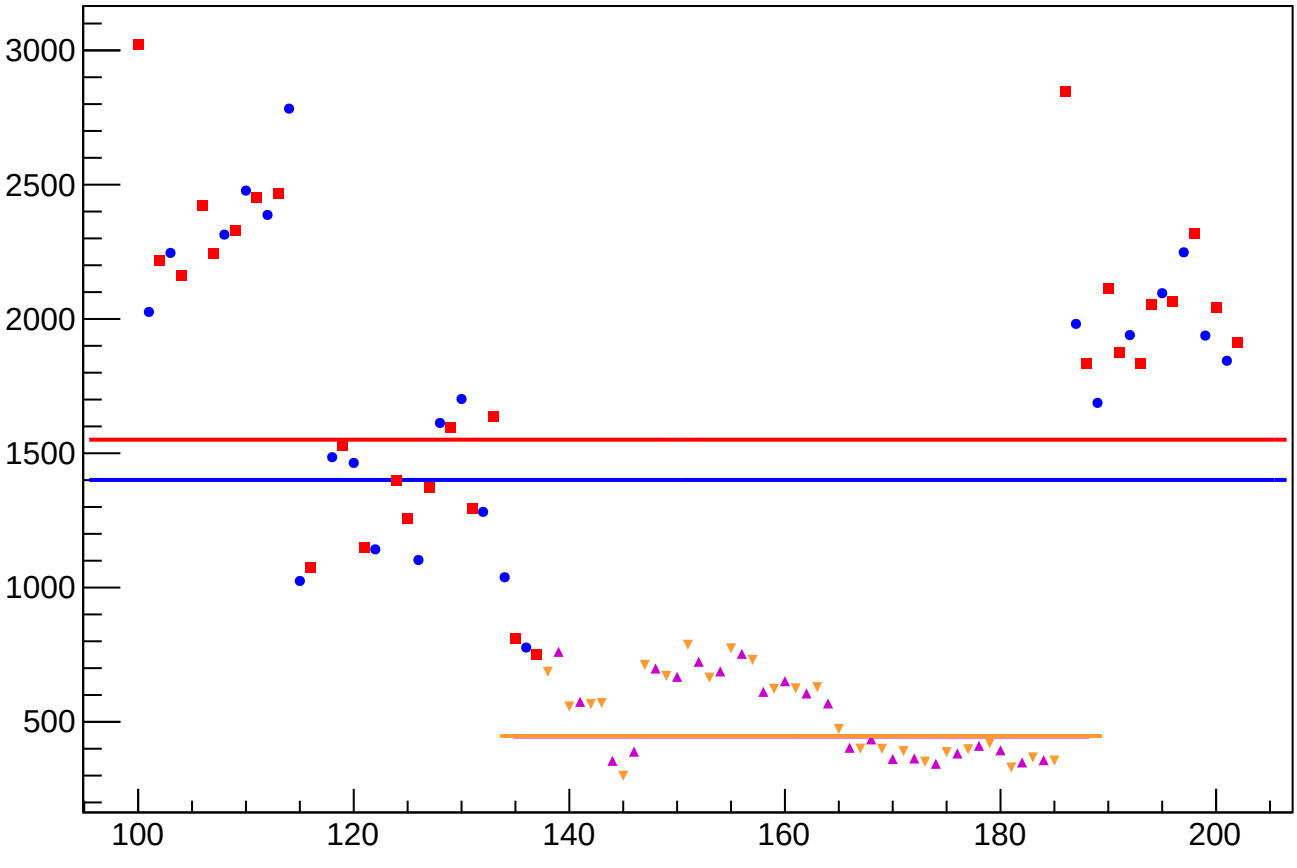
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -250.726+/-303.762 χ^2/NDF: 53.9/51

In: -48.684+/-105.517 χ^2/NDF:60.0/45

Out: -226.411+/-103.301 χ^2/NDF:80.0/53

All: -139.433+/-73.816 χ^2/NDF: 141.5/99



Right In: 1400.726+/-0.302 χ^2/NDF: 3088566.5/22

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1550.615+/-0.305 χ^2/NDF: 3214987.8/28

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

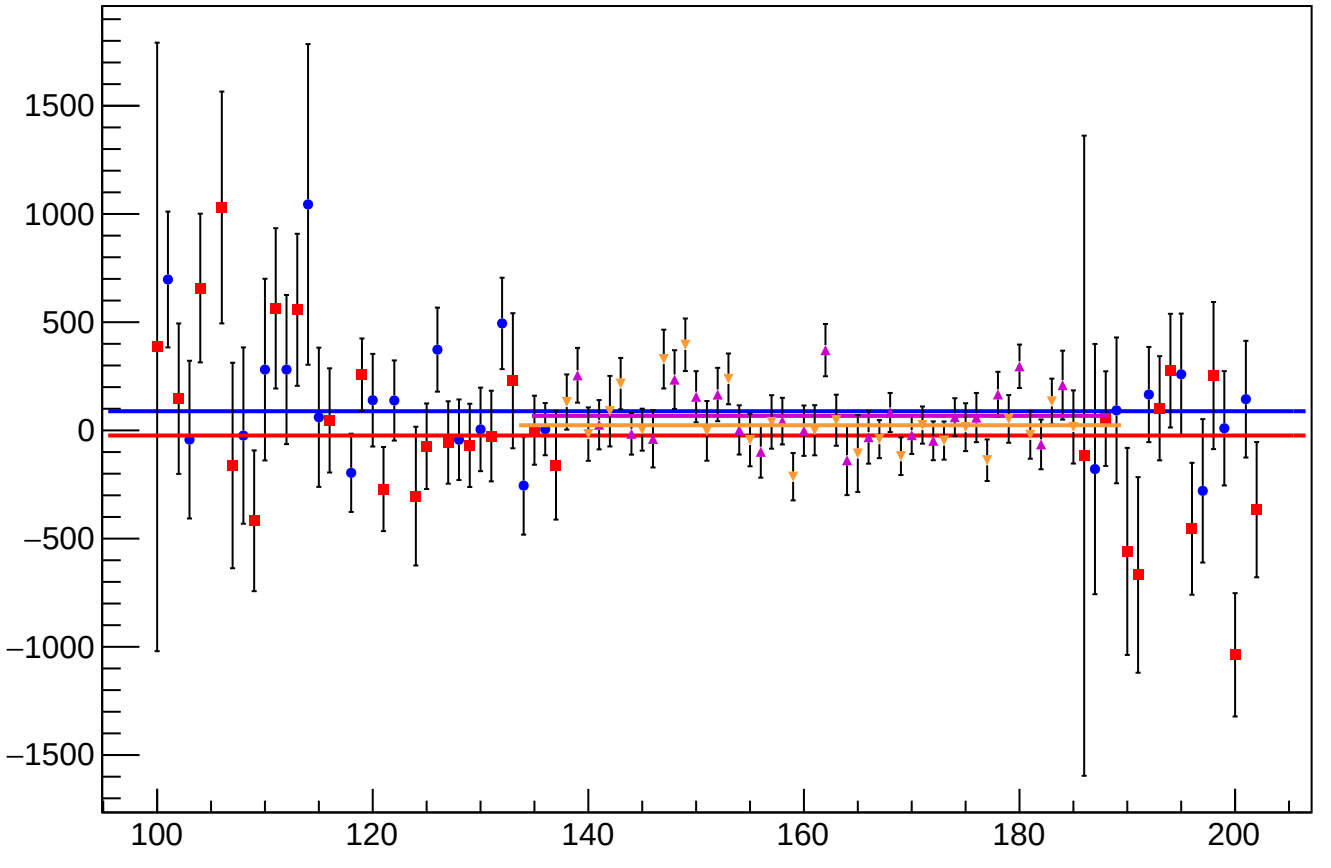
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1474.987+/-0.215 χ^2/NDF: 6425286.8/51

In: 503.648+/-0.075 χ^2/NDF:15173504.9/45

Out: 510.597+/-0.073 χ^2/NDF:18734102.5/53

All: 507.196+/-0.052 χ^2/NDF: 33912037.1/99



Right In: 88.683+/-49.611 χ^2/NDF: 20.1/22

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -23.601+/-49.268 χ^2/NDF: 42.8/28

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

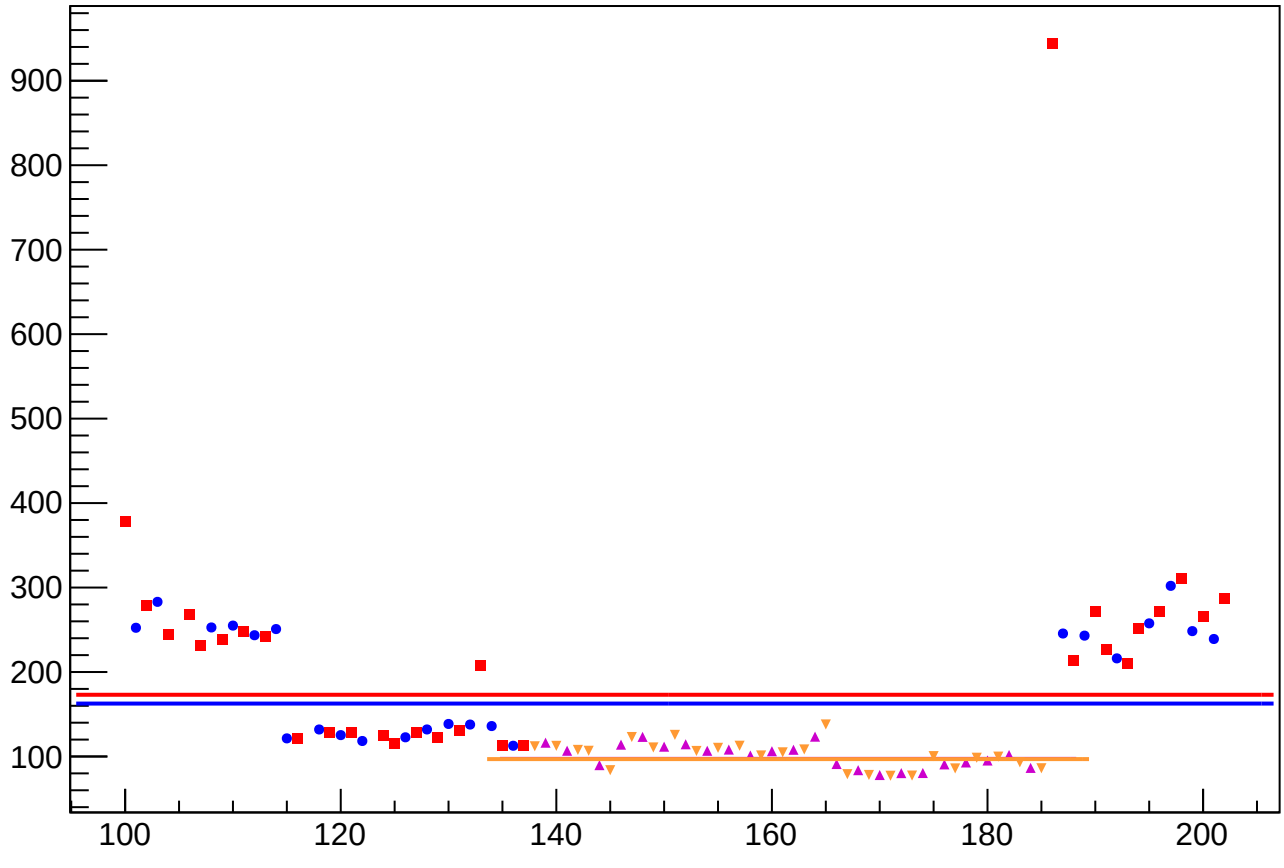
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 32.151+/-34.958 χ^2/NDF: 65.6/51

In: 70.939+/-20.957 χ^2/NDF:48.9/45

Out: 15.731+/-20.402 χ^2/NDF:78.8/53

All: 42.595+/-14.619 χ^2/NDF: 131.3/99



Right In: 162.647+/-0.035 χ^2/NDF: 2778236.6/22

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 173.066+/-0.035 χ^2/NDF: 3913102.4/28

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

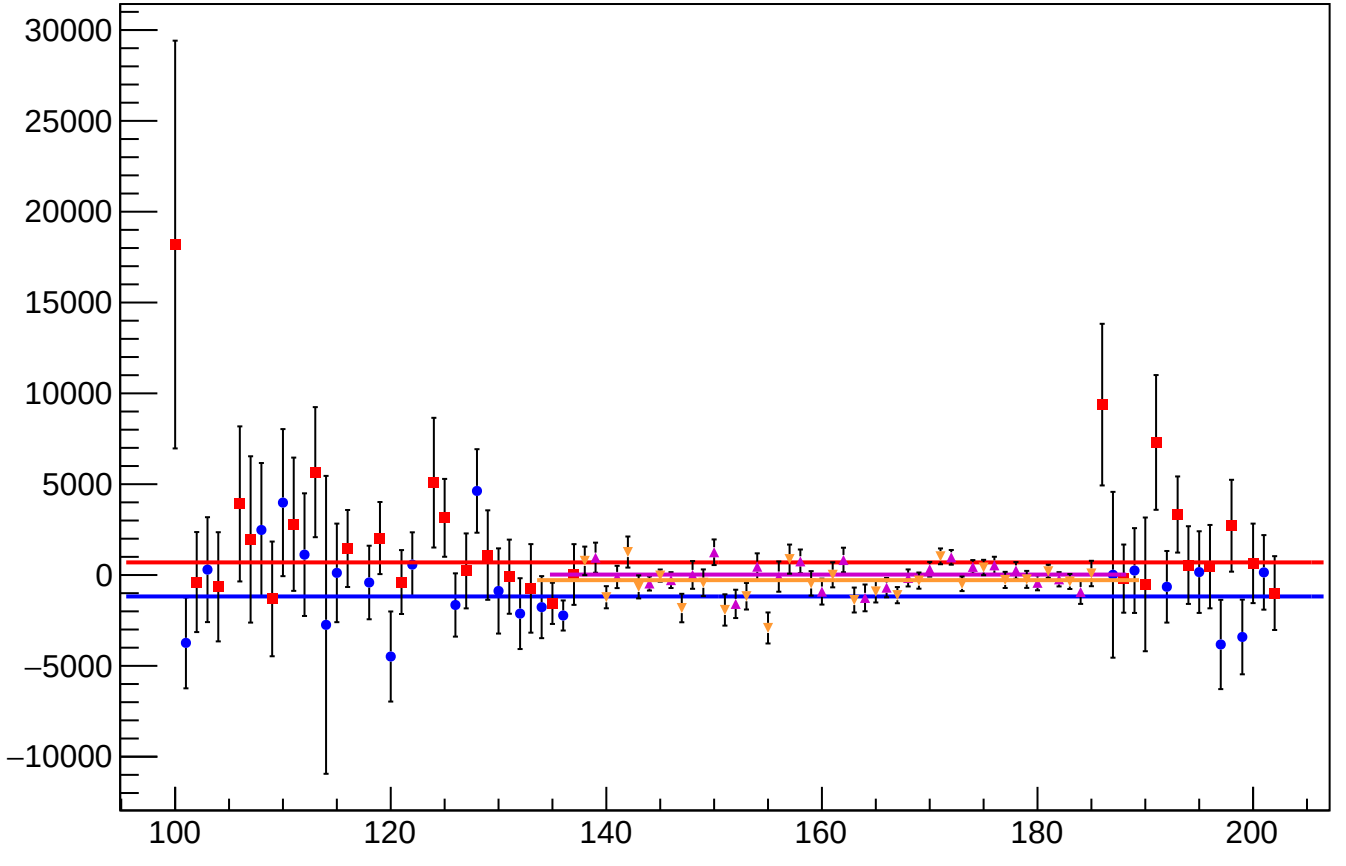
Right: 167.893+/-0.025 χ^2/NDF: 6735755.9/51

In: 108.852+/-0.015 χ^2/NDF:6315119.1/45

Out: 109.967+/-0.014 χ^2/NDF:8806639.8/53

All: 109.425+/-0.010 χ^2/NDF: 15124668.0/99

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1179.490+/-427.638 χ^2/NDF: 19.6/22

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 695.144+/-431.558 χ^2/NDF: 24.8/28

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

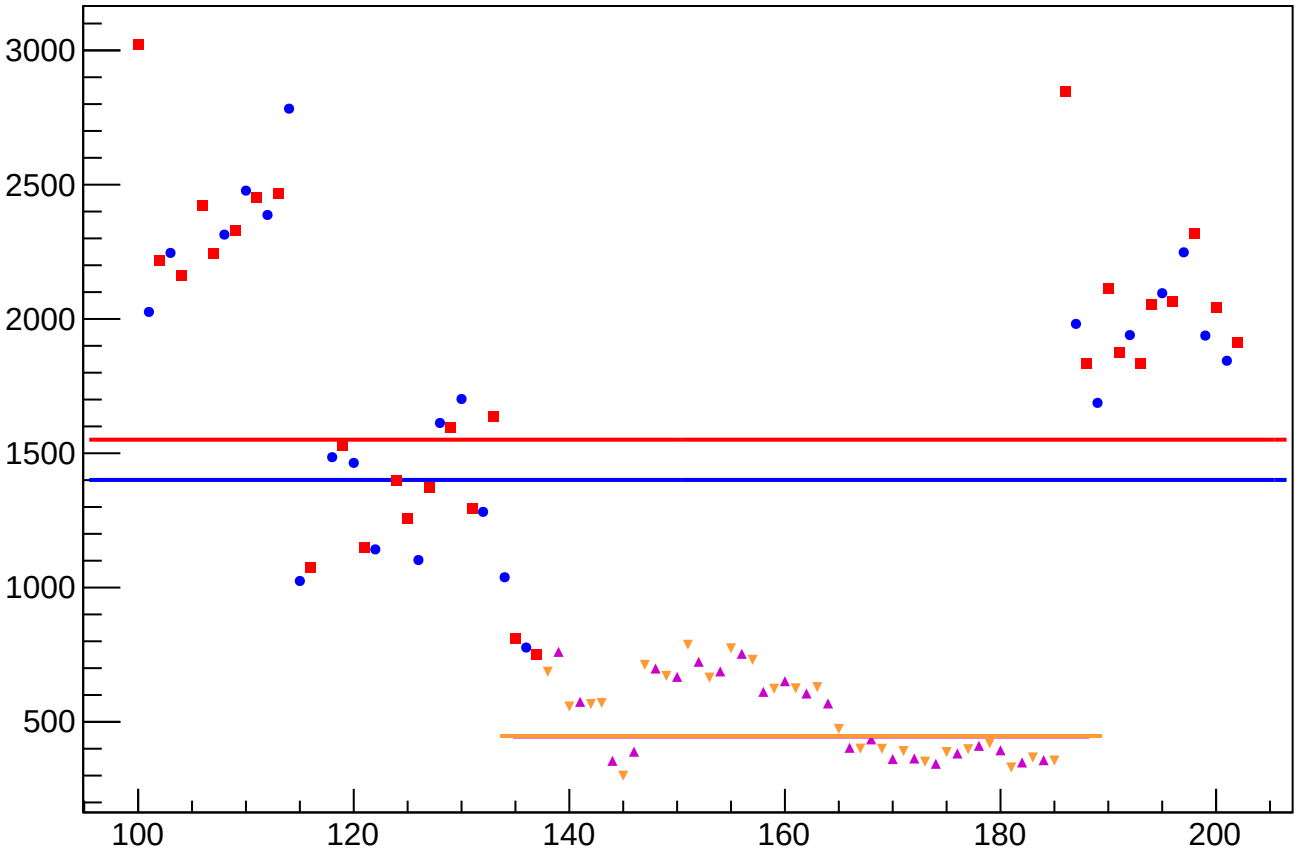
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -250.724+/-303.762 χ^2/NDF: 53.9/51

In: -48.683+/-105.517 χ^2/NDF:60.0/45

Out: -226.410+/-103.301 χ^2/NDF:80.0/53

All: -139.432+/-73.816 χ^2/NDF: 141.5/99



Right In: 1400.725+/-0.302 χ^2/NDF: 3088549.3/22

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1550.614+/-0.305 χ^2/NDF: 3214977.0/28

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

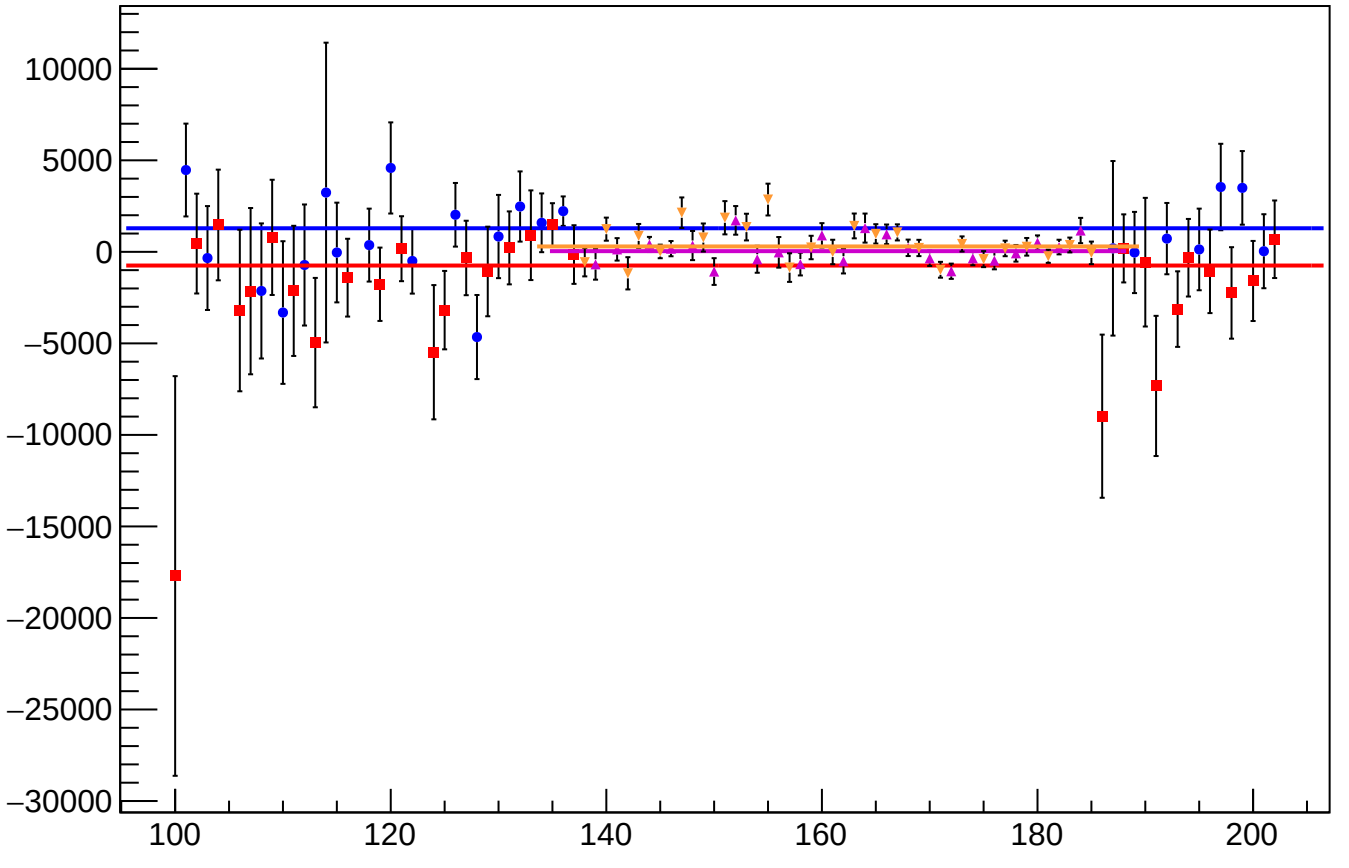
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1474.986+/-0.215 χ^2/NDF: 6425258.7/51

In: 503.648+/-0.075 χ^2/NDF:15173505.9/45

Out: 510.597+/-0.073 χ^2/NDF:18734124.1/53

All: 507.196+/-0.052 χ^2/NDF: 33912059.5/99



Right In: 1288.486+/-419.280 χ^2/NDF: 19.7/22

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -747.812+/-431.733 χ^2/NDF: 22.4/28

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

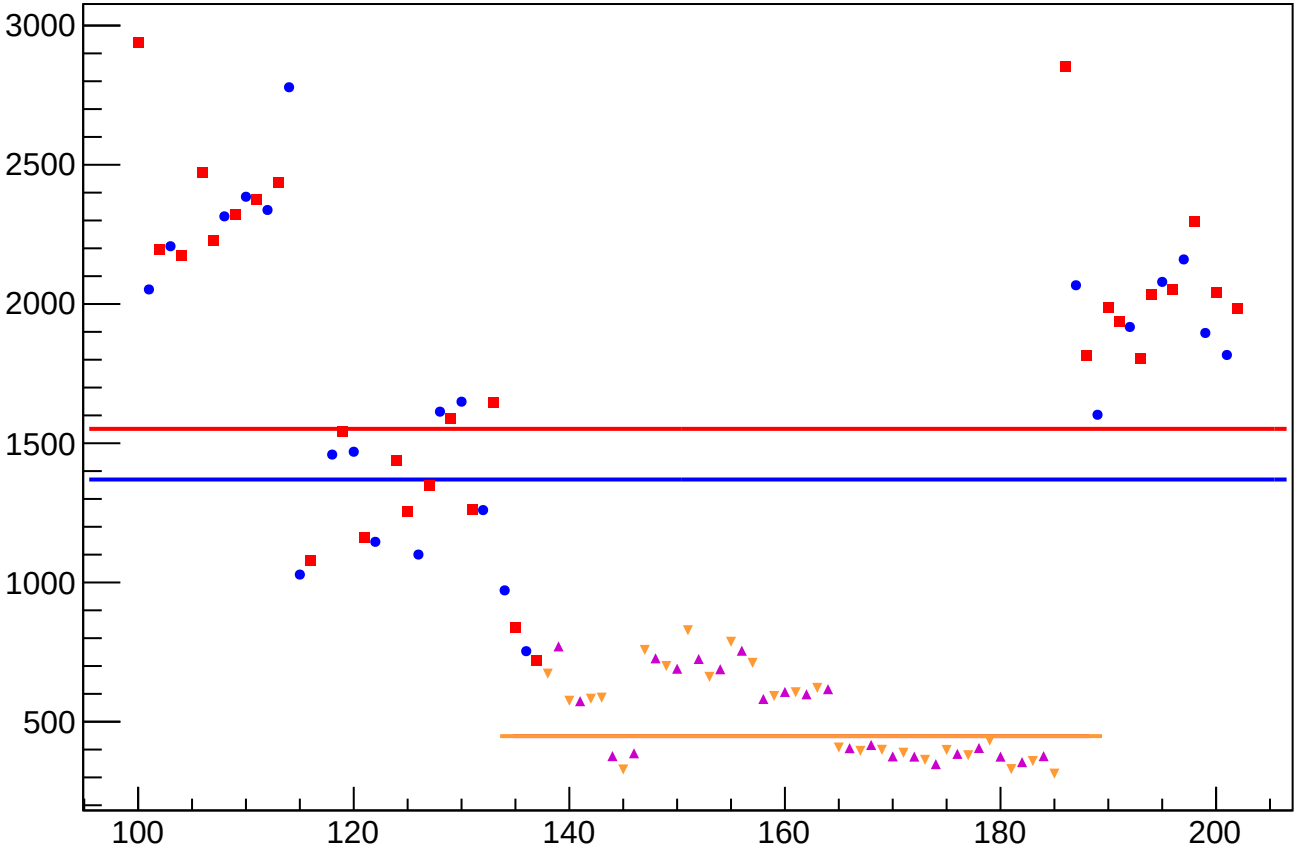
Right: 300.128+/-300.782 χ^2/NDF: 53.6/51

In: 117.692+/-105.779 χ^2/NDF:61.0/45

Out: 234.861+/-103.684 χ^2/NDF:78.4/53

All: 177.449+/-74.045 χ^2/NDF: 140.0/99

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1369.744+/-0.296 χ^2/NDF: 3175192.1/22

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1551.693+/-0.305 χ^2/NDF: 3144053.0/28

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

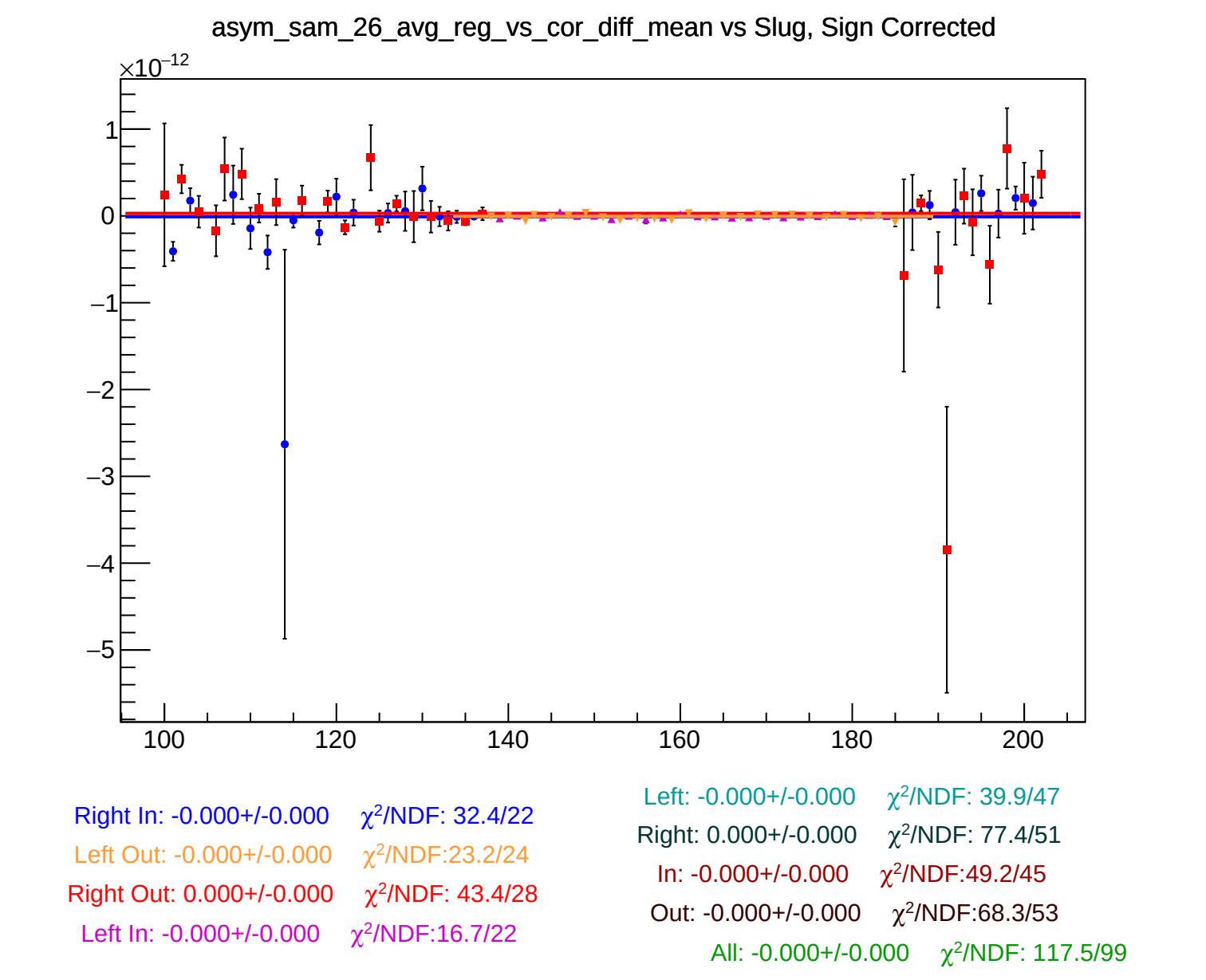
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

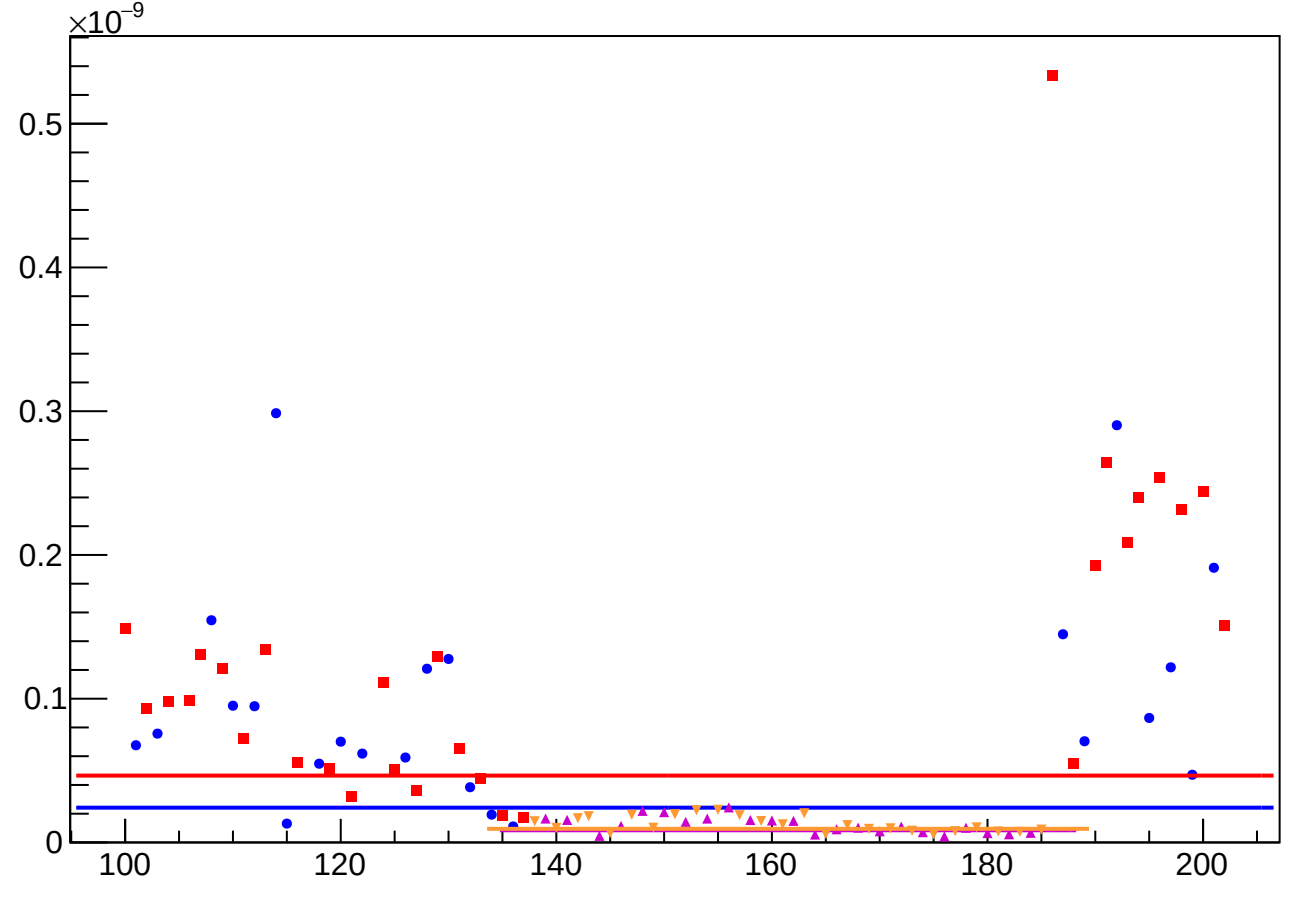
Right: 1458.057+/-0.213 χ^2/NDF: 6502051.7/51

In: 507.040+/-0.075 χ^2/NDF:14838821.1/45

Out: 511.918+/-0.073 χ^2/NDF:18611500.0/53

All: 509.528+/-0.052 χ^2/NDF: 33452490.5/99


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 32.4/22
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.4/28
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 39.9/47
Right: 0.000+/-0.000 χ²/NDF: 77.4/51
In: -0.000+/-0.000 χ²/NDF:49.2/45
Out: -0.000+/-0.000 χ²/NDF:68.3/53
All: -0.000+/-0.000 χ²/NDF: 117.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 5868039.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5440076.0/28

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

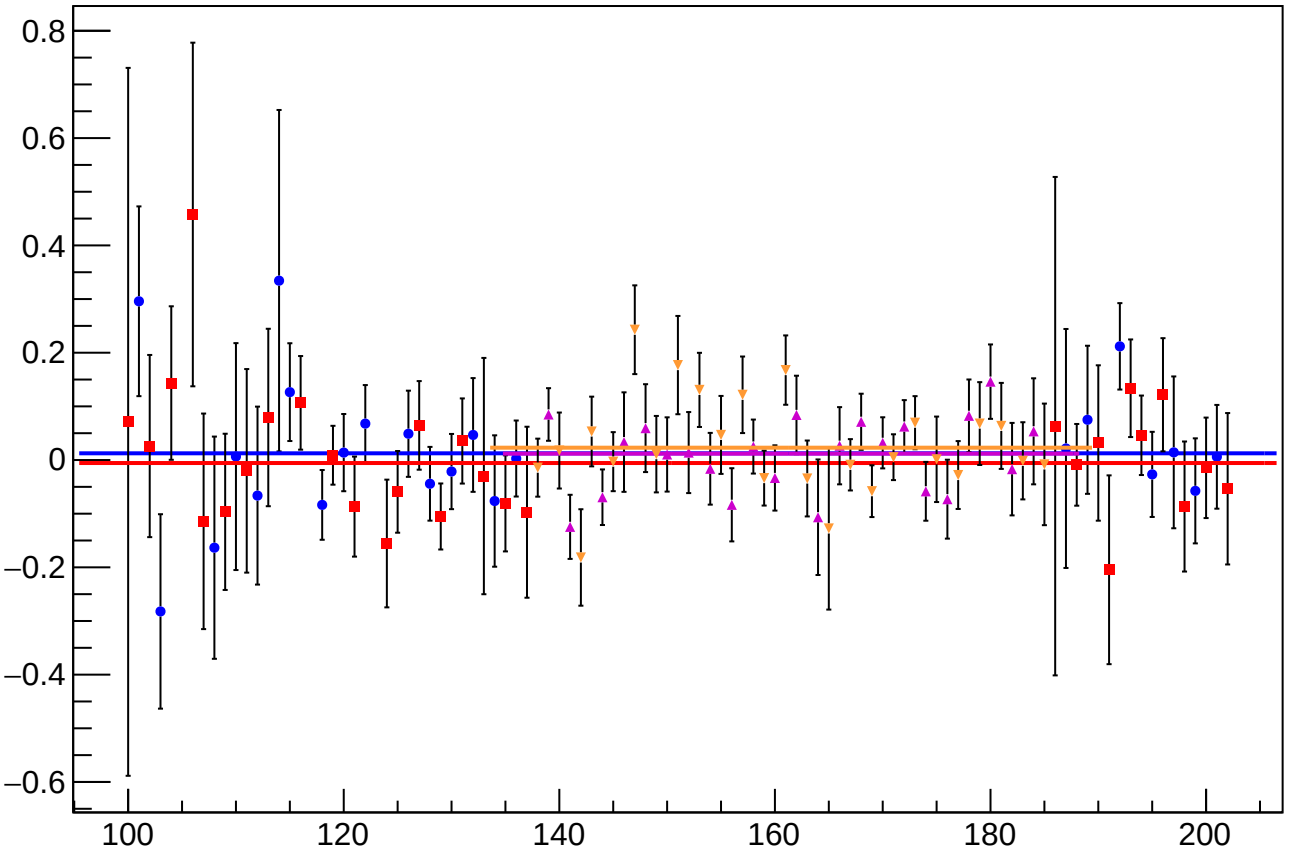
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12330201.1/51

In: 0.000+/-0.000 χ^2/NDF:10170032.8/45

Out: 0.000+/-0.000 χ^2/NDF:11853295.6/53

All: 0.000+/-0.000 χ^2/NDF: 22112685.4/99



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

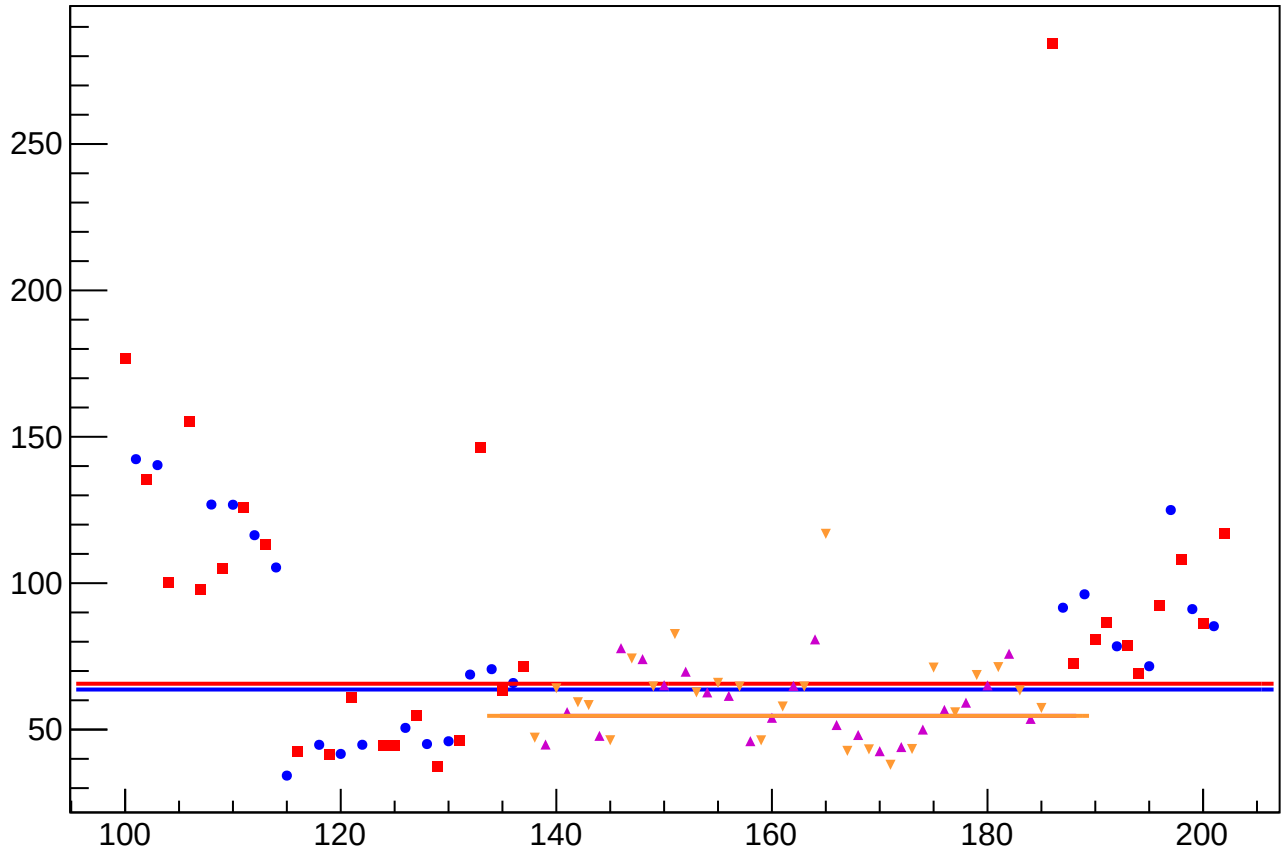
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.003+/-0.014 χ^2/NDF: 40.5/51

In: 0.012+/-0.011 χ^2/NDF:46.3/45

Out: 0.014+/-0.011 χ^2/NDF:55.3/53

All: 0.013+/-0.008 χ^2/NDF: 101.6/99



Right In: 63.675+/-0.014 χ^2/NDF: 3259508.9/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 65.655+/-0.014 χ^2/NDF: 4131332.7/28

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

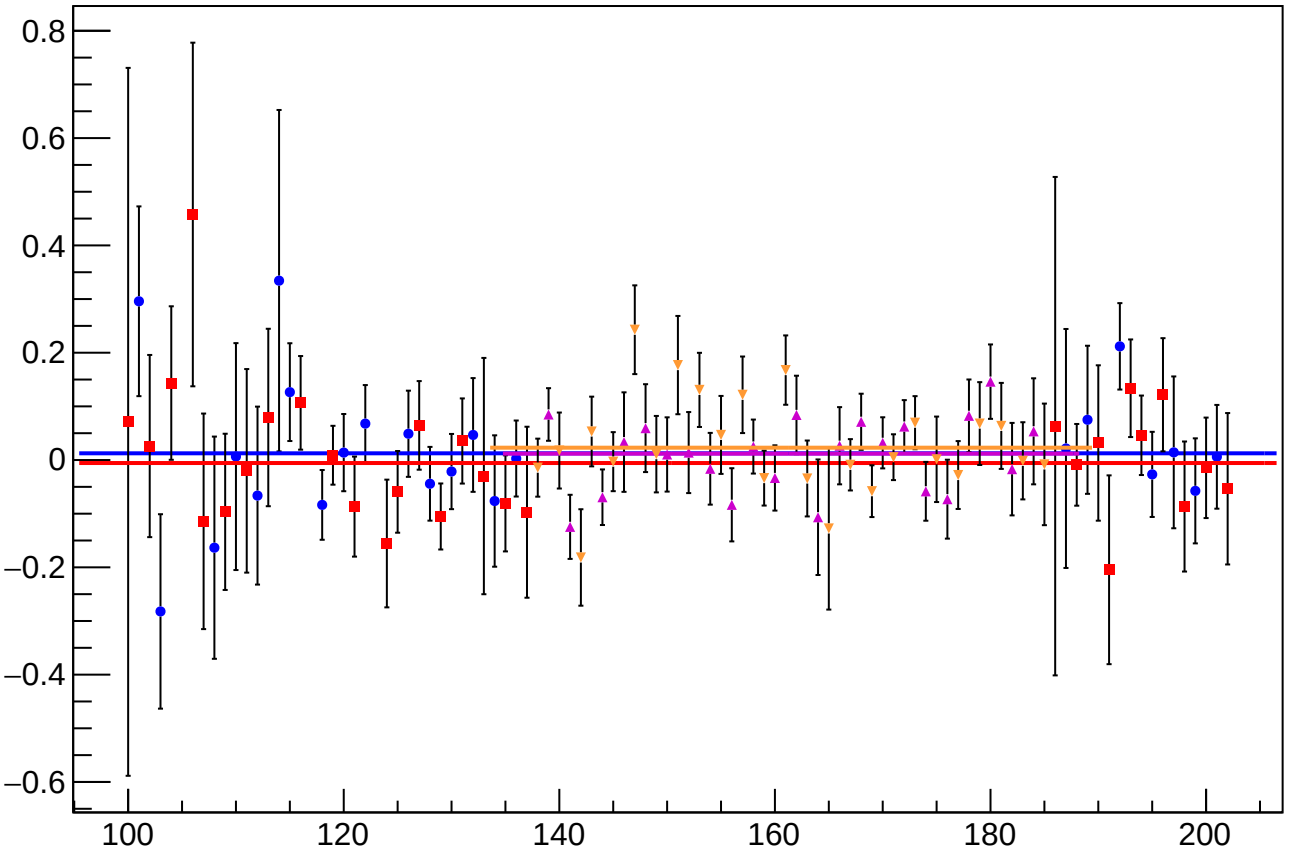
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 64.707+/-0.010 χ^2/NDF: 7400933.7/51

In: 57.409+/-0.008 χ^2/NDF:4728538.1/45

Out: 58.089+/-0.008 χ^2/NDF:6514465.3/53

All: 57.760+/-0.005 χ^2/NDF: 11246891.3/99



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

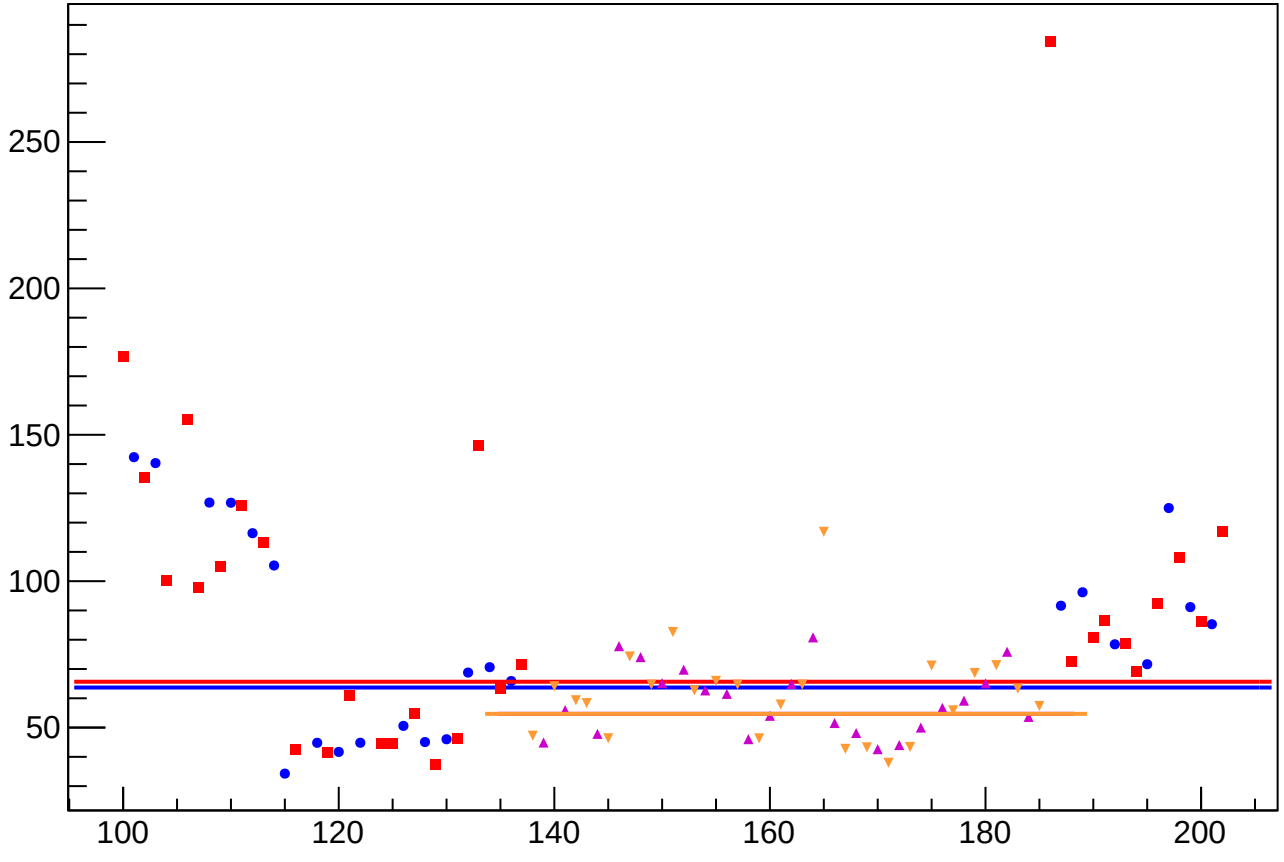
Right: 0.003+/-0.014 χ^2/NDF: 40.5/51

In: 0.012+/-0.011 χ^2/NDF:46.3/45

Out: 0.014+/-0.011 χ^2/NDF:55.3/53

All: 0.013+/-0.008 χ^2/NDF: 101.6/99

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.675+/-0.014 χ^2/NDF: 3259508.9/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 65.655+/-0.014 χ^2/NDF: 4131332.7/28

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

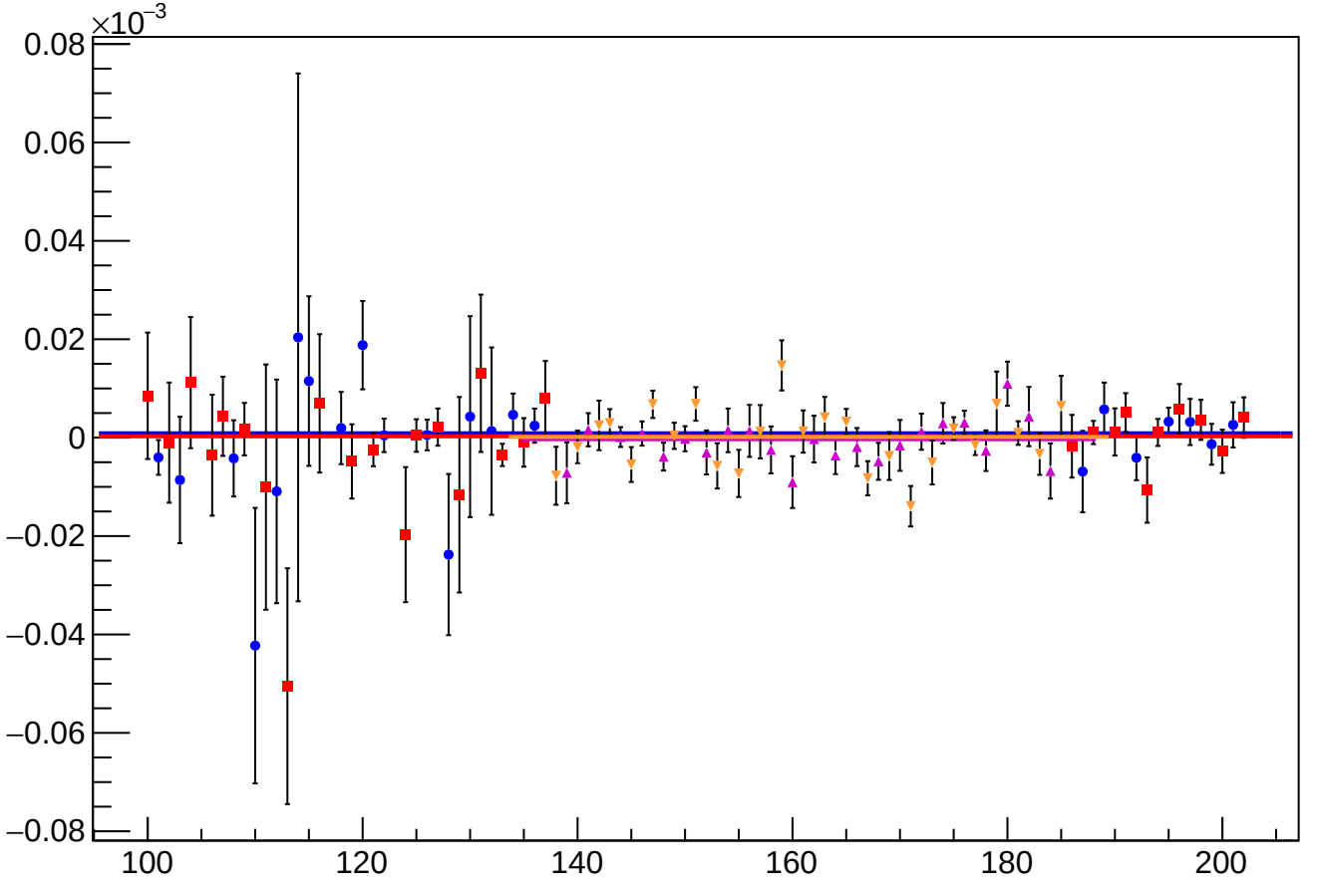
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 64.707+/-0.010 χ^2/NDF: 7400933.7/51

In: 57.409+/-0.008 χ^2/NDF:4728538.1/45

Out: 58.089+/-0.008 χ^2/NDF:6514465.3/53

All: 57.760+/-0.005 χ^2/NDF: 11246891.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/28

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

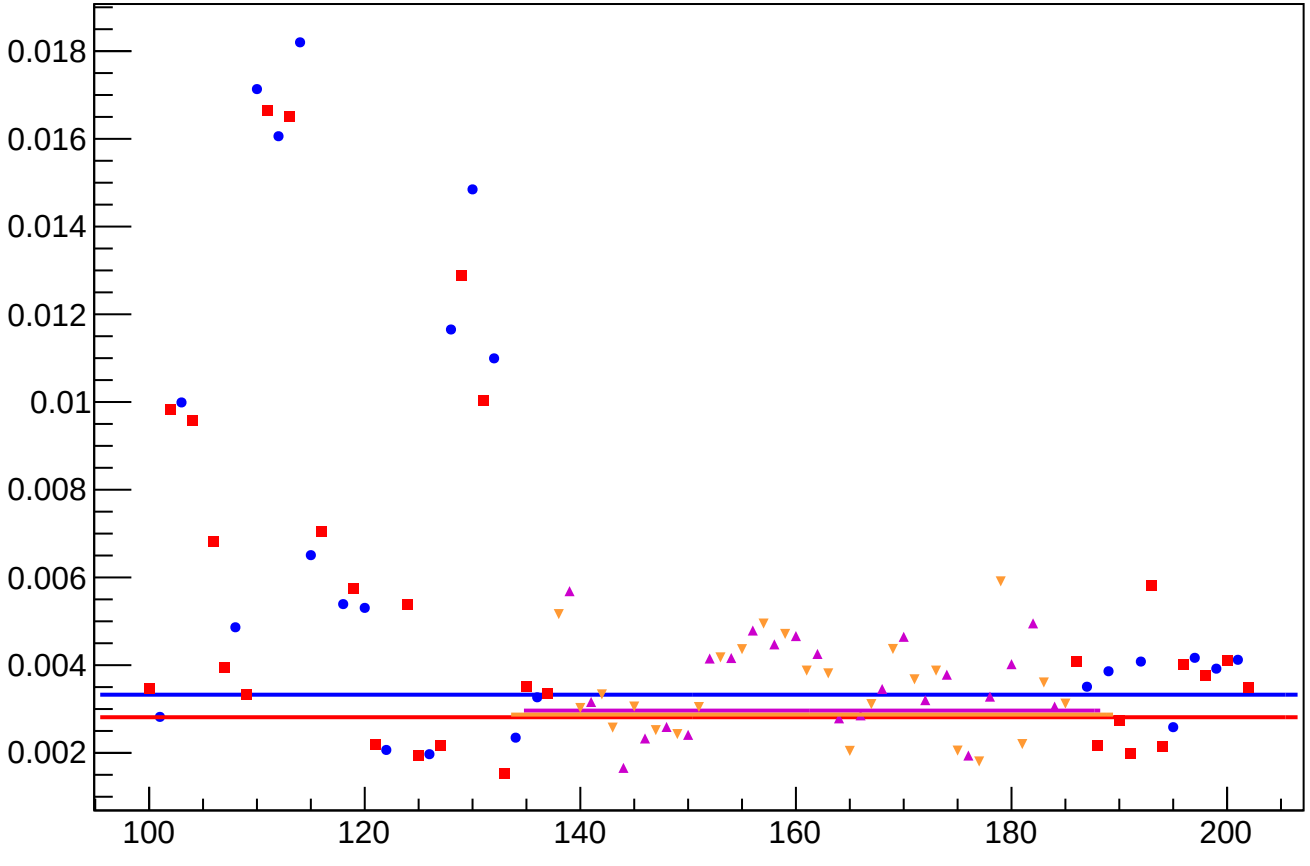
Right: 0.000+/-0.000 χ^2/NDF: 40.4/51

In: 0.000+/-0.000 χ^2/NDF:39.1/45

Out: 0.000+/-0.000 χ^2/NDF:76.3/53

All: 0.000+/-0.000 χ^2/NDF: 115.5/99

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4945556.8/22

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6449352.7/28

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

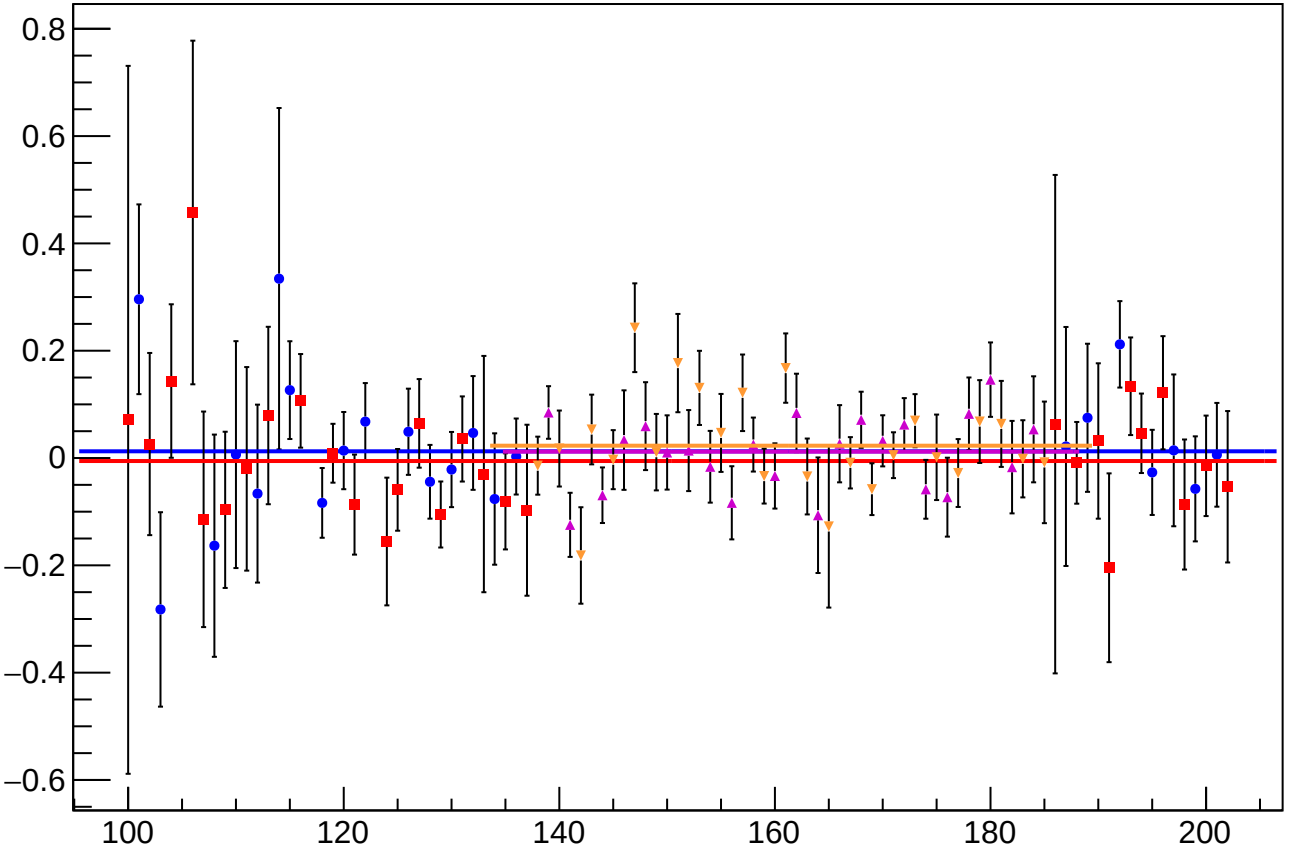
Right: 0.003+/-0.000 χ^2/NDF: 11665362.0/51

In: 0.003+/-0.000 χ^2/NDF:8715840.0/45

Out: 0.003+/-0.000 χ^2/NDF:10057467.1/53

All: 0.003+/-0.000 χ^2/NDF: 18931144.4/99

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

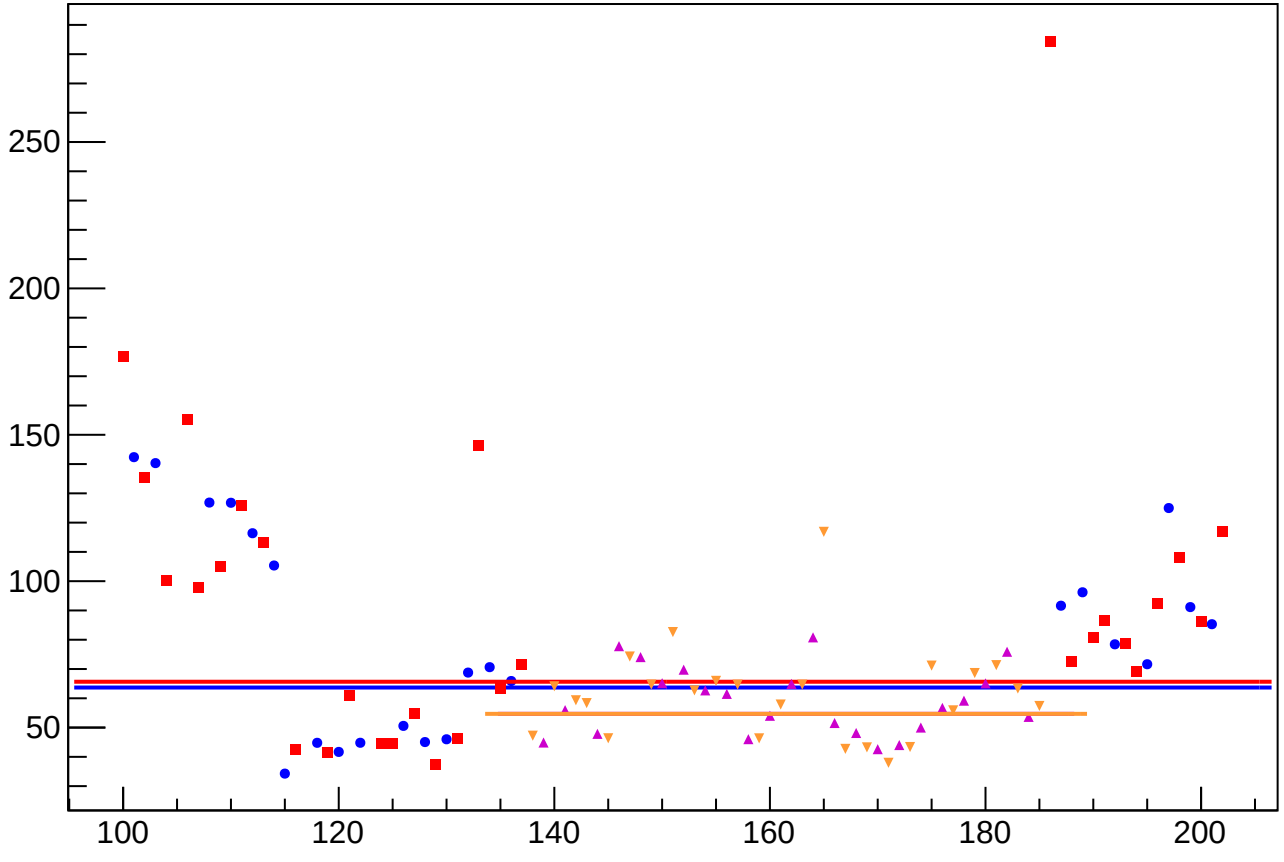
Right: 0.003+/-0.014 χ^2/NDF: 40.5/51

In: 0.012+/-0.011 χ^2/NDF:46.3/45

Out: 0.014+/-0.011 χ^2/NDF:55.3/53

All: 0.013+/-0.008 χ^2/NDF: 101.6/99

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.675+/-0.014 χ^2/NDF: 3259493.7/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 65.654+/-0.014 χ^2/NDF: 4131349.2/28

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

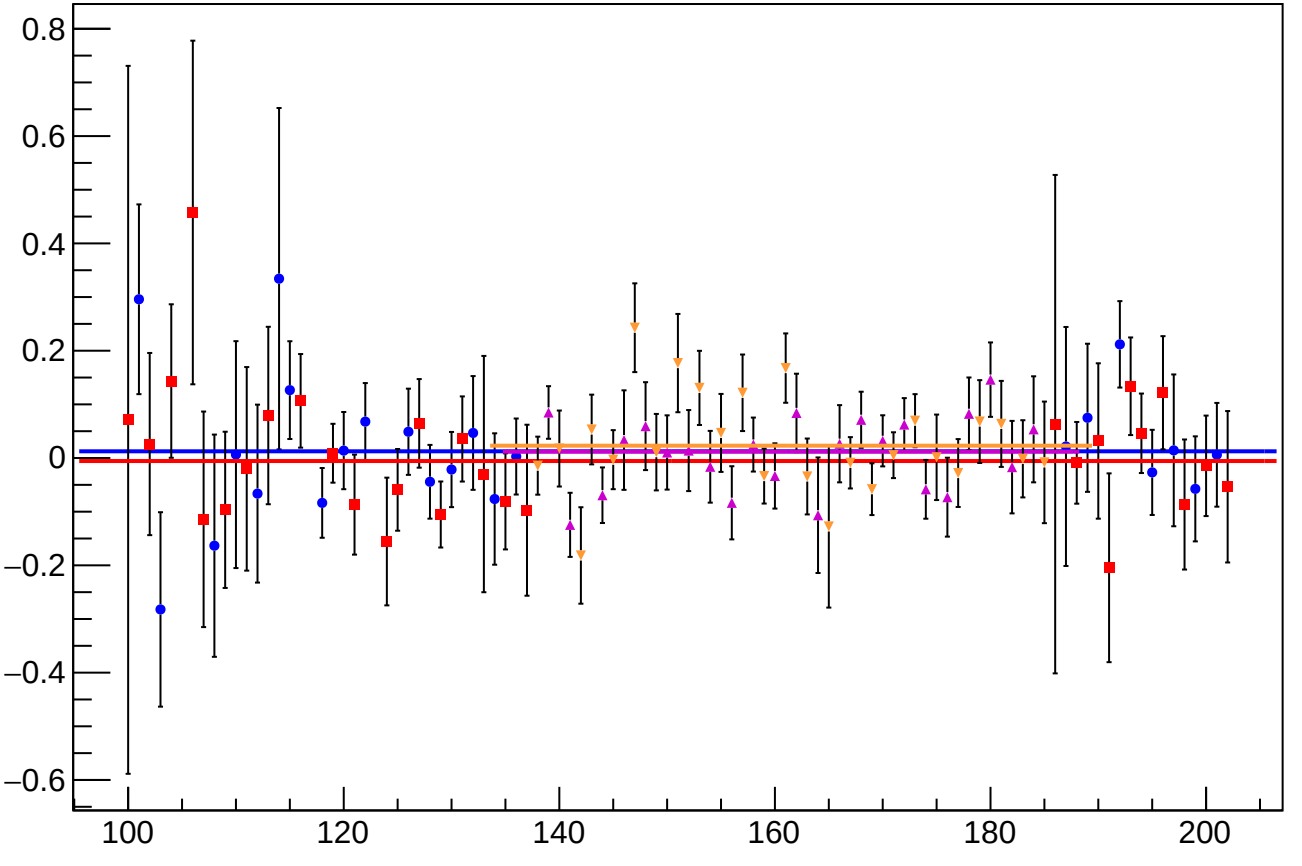
Right: 64.707+/-0.010 χ^2/NDF: 7400933.9/51

In: 57.410+/-0.008 χ^2/NDF:4728439.4/45

Out: 58.090+/-0.008 χ^2/NDF:6514409.6/53

All: 57.760+/-0.005 χ^2/NDF: 11246735.4/99

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

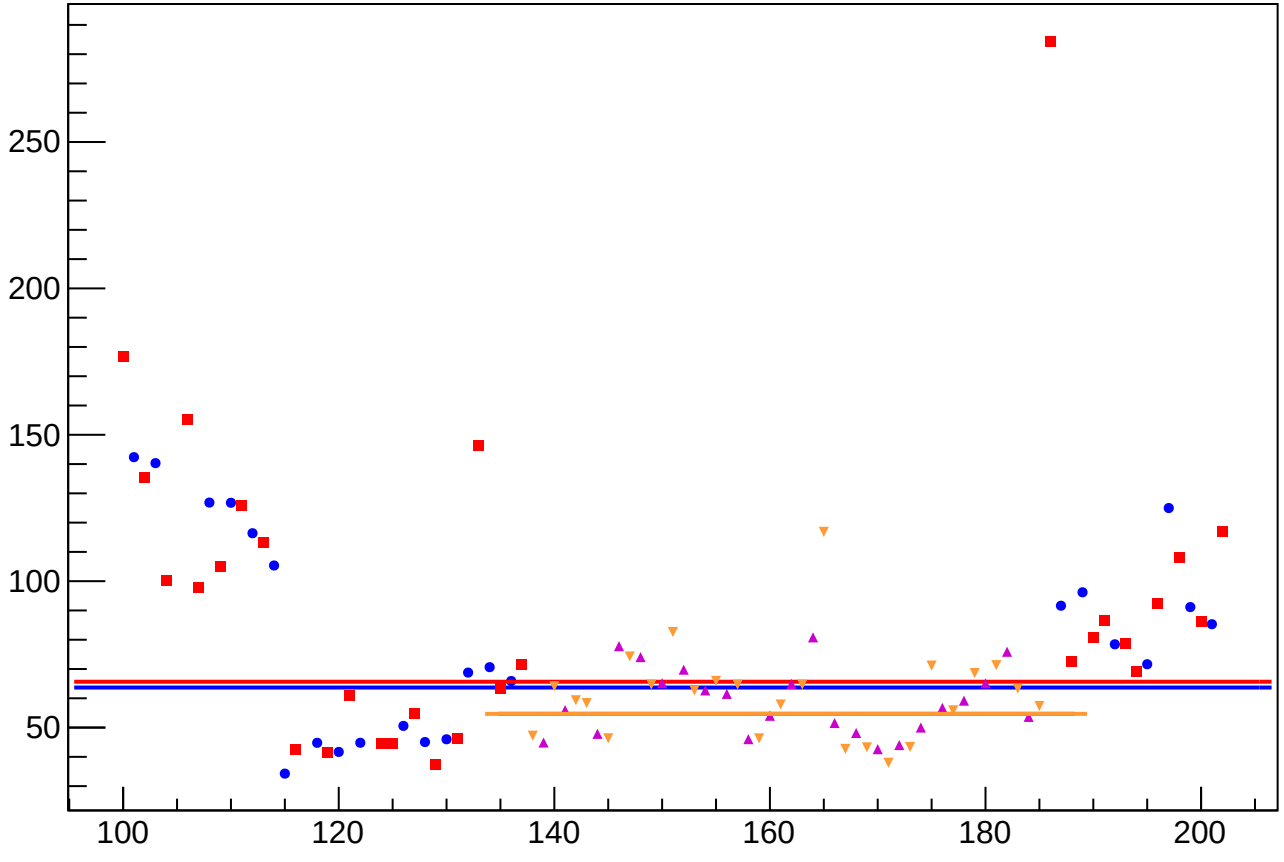
Right: 0.003+/-0.014 χ^2/NDF: 40.5/51

In: 0.012+/-0.011 χ^2/NDF:46.3/45

Out: 0.014+/-0.011 χ^2/NDF:55.3/53

All: 0.013+/-0.008 χ^2/NDF: 101.6/99

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.675+/-0.014 χ^2/NDF: 3259493.7/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 65.654+/-0.014 χ^2/NDF: 4131349.2/28

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

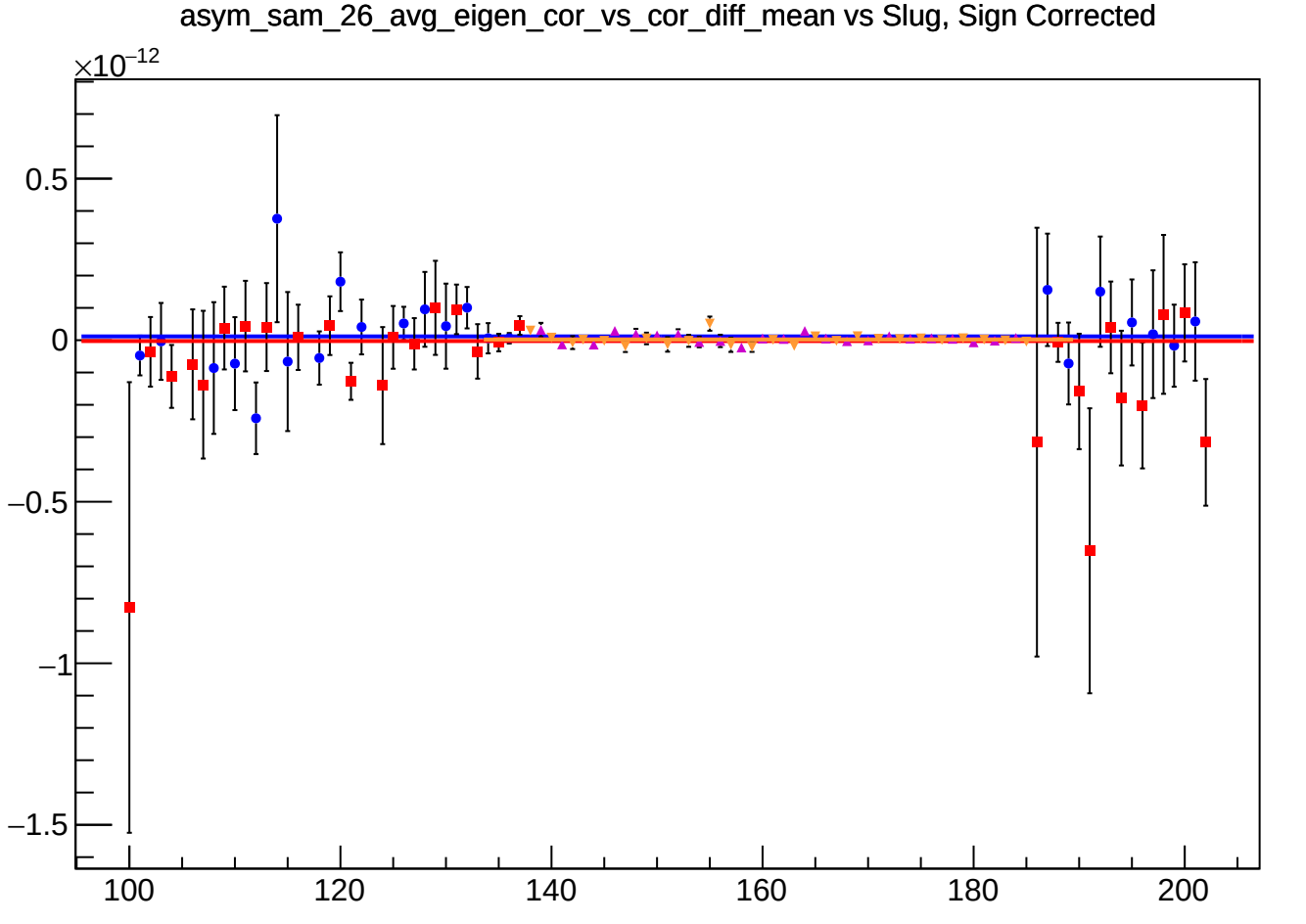
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 64.707+/-0.010 χ^2/NDF: 7400933.9/51

In: 57.410+/-0.008 χ^2/NDF:4728439.4/45

Out: 58.090+/-0.008 χ^2/NDF:6514409.6/53

All: 57.760+/-0.005 χ^2/NDF: 11246735.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/28

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

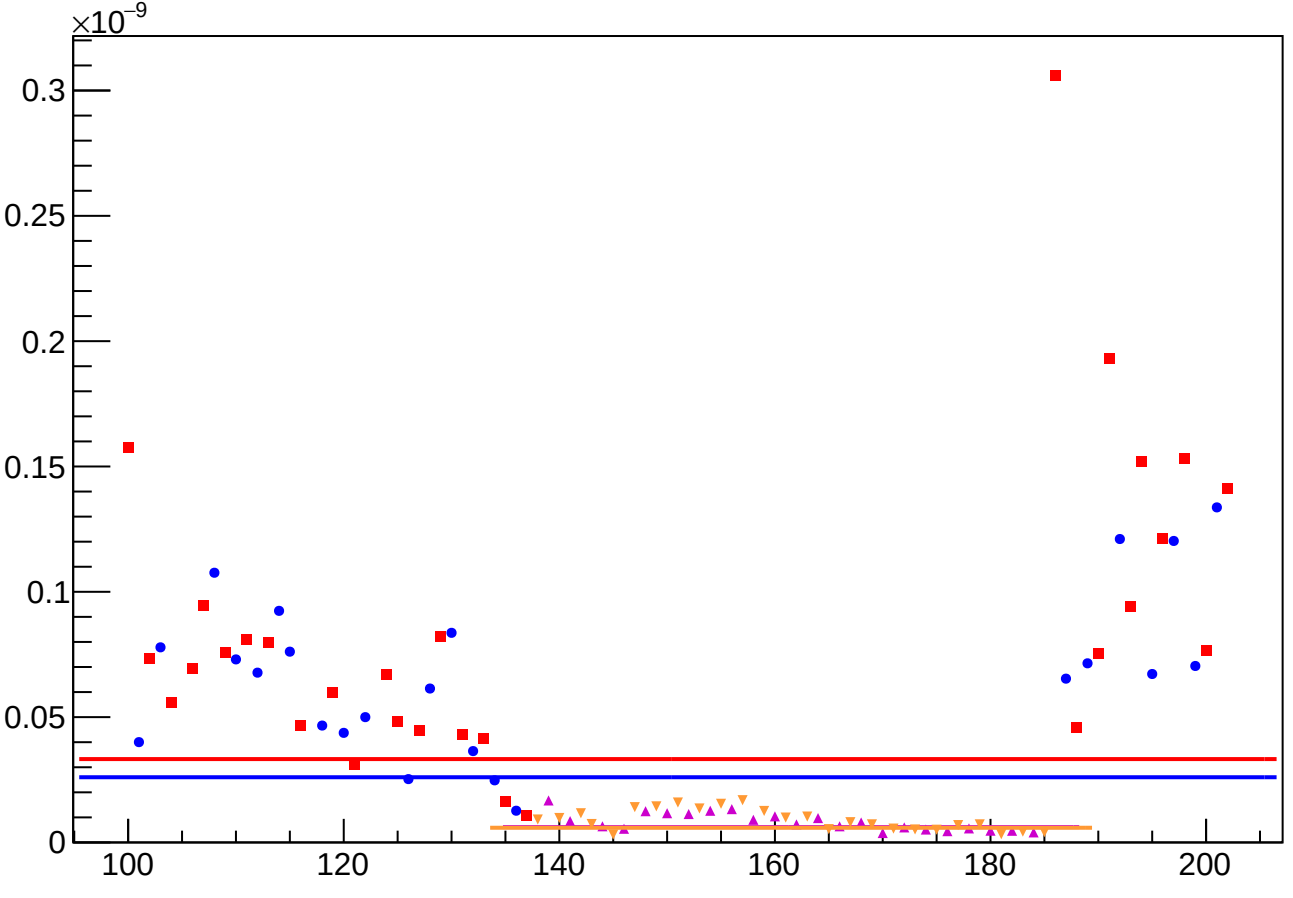
Right: 0.000+/-0.000 χ^2/NDF: 40.6/51

In: 0.000+/-0.000 χ^2/NDF:51.2/45

Out: 0.000+/-0.000 χ^2/NDF:43.2/53

All: 0.000+/-0.000 χ^2/NDF: 94.6/99

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6403062.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7501218.1/28

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

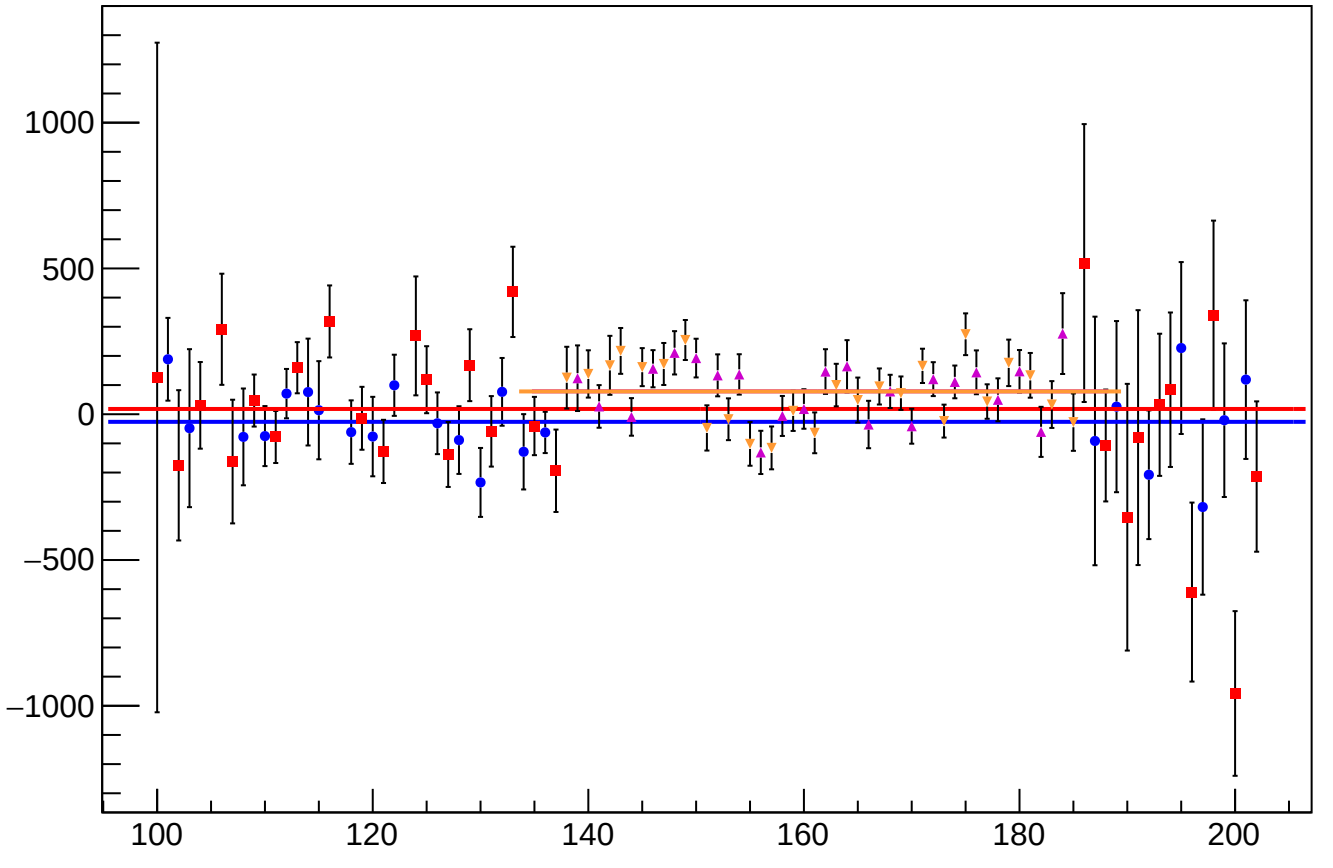
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14184678.9/51

In: 0.000+/-0.000 χ^2/NDF:14552909.4/45

Out: 0.000+/-0.000 χ^2/NDF:19929888.4/53

All: 0.000+/-0.000 χ^2/NDF: 34505263.4/99



Right In: -26.107+/-27.903 χ^2/NDF: 13.7/22

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 18.065+/-27.162 χ^2/NDF: 50.7/28

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

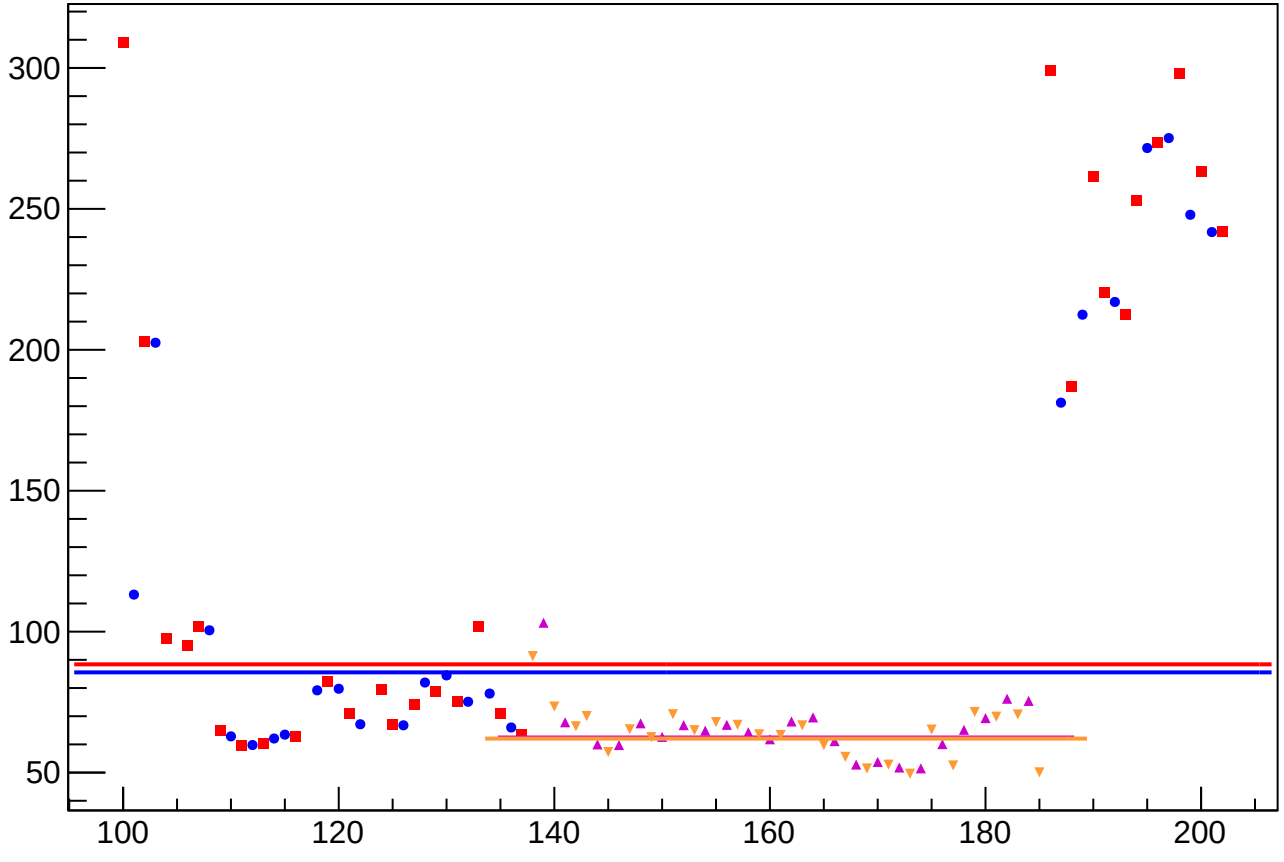
Right: -3.427+/-19.463 χ^2/NDF: 65.7/51

In: 55.510+/-13.082 χ^2/NDF:61.3/45

Out: 65.080+/-12.671 χ^2/NDF:108.4/53

All: 60.448+/-9.102 χ^2/NDF: 170.0/99

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 85.558+/-0.020 χ^2/NDF: 5321249.0/22

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 88.405+/-0.019 χ^2/NDF: 7176284.1/28

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

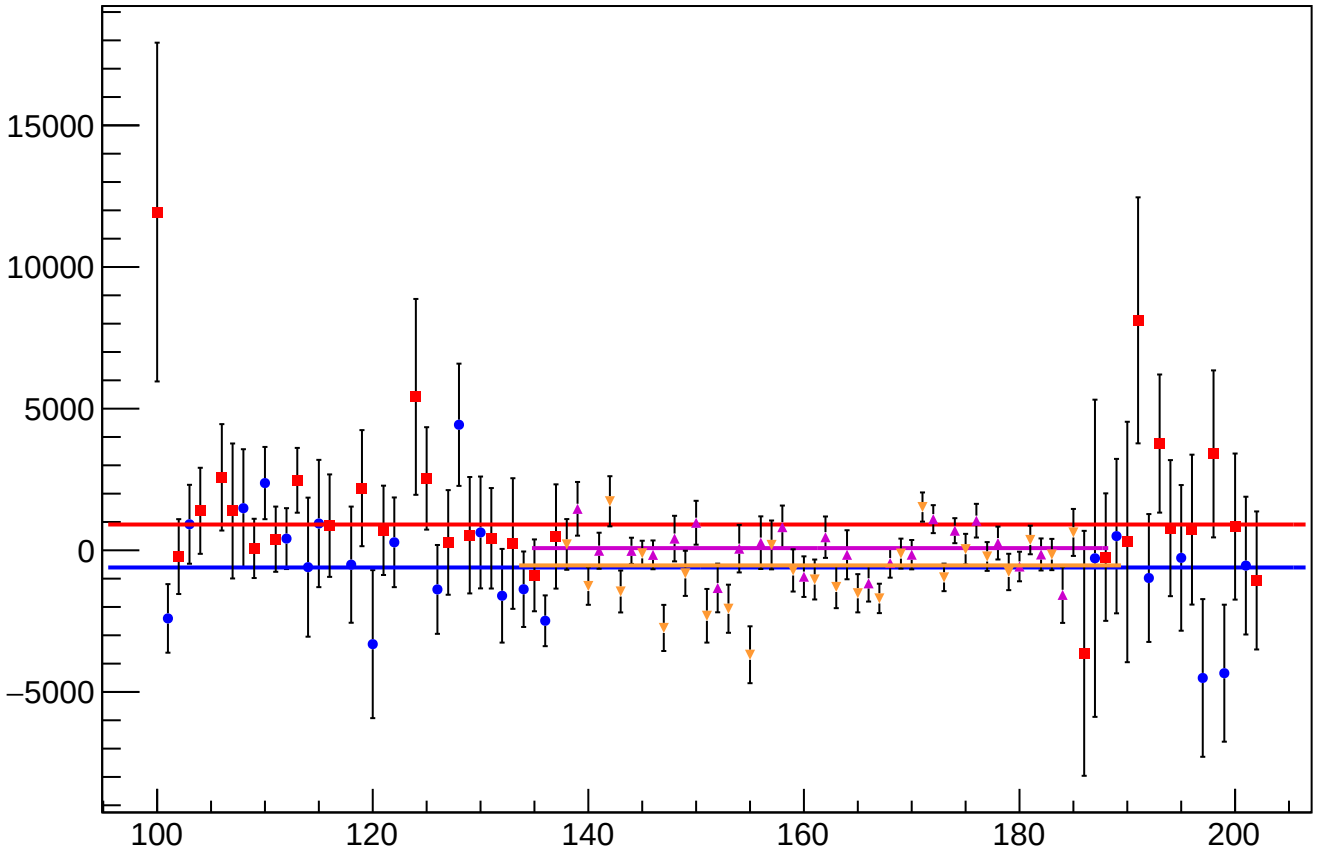
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 87.020+/-0.014 χ^2/NDF: 12508221.9/51

In: 67.526+/-0.009 χ^2/NDF:7056504.0/45

Out: 67.796+/-0.009 χ^2/NDF:9334566.4/53

All: 67.665+/-0.006 χ^2/NDF: 16391508.6/99



Right In: -606.173+/-351.508 χ^2/NDF: 28.4/22

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 910.506+/-343.096 χ^2/NDF: 20.0/28

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

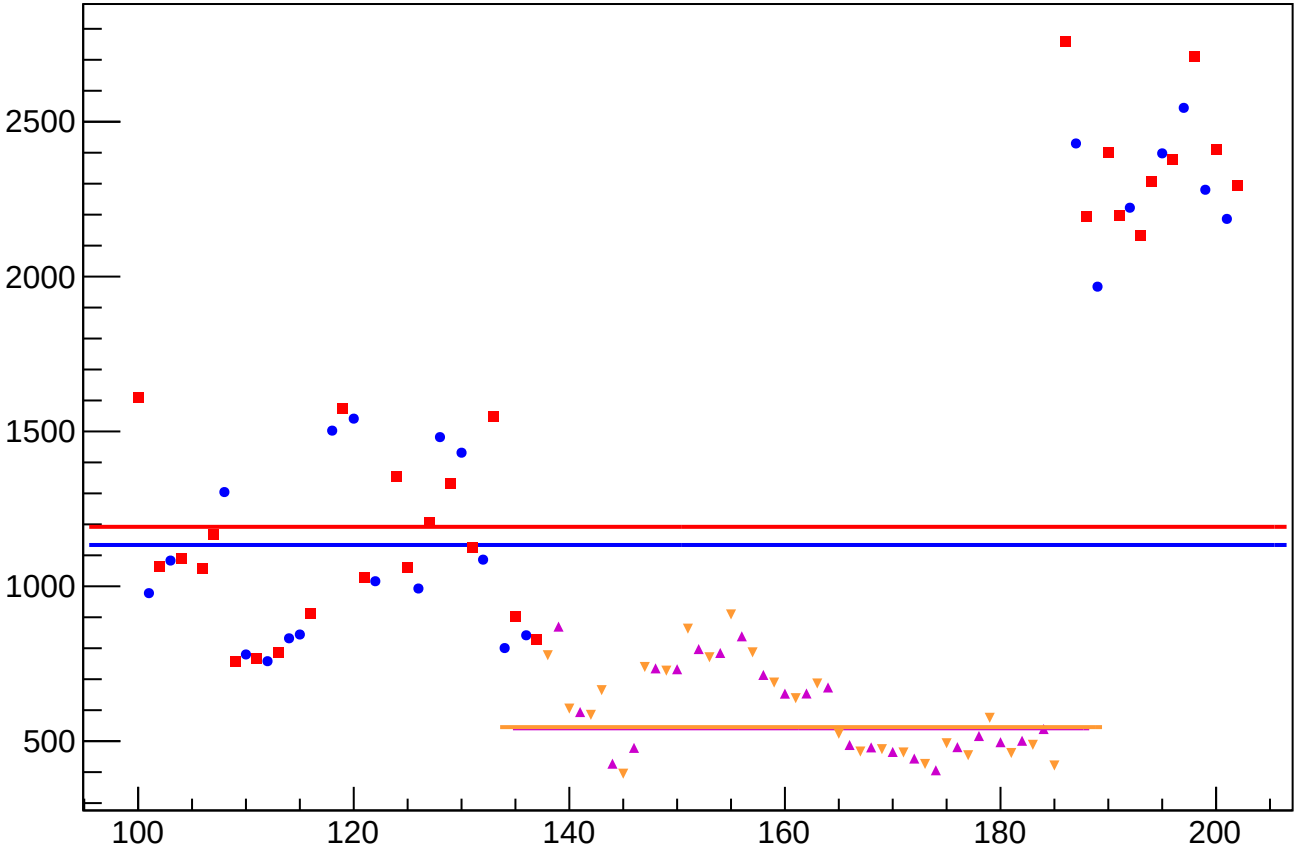
Right: 170.533+/-245.526 χ^2/NDF: 57.9/51

In: -5.208+/-122.190 χ^2/NDF:60.1/45

Out: -356.618+/-119.865 χ^2/NDF:104.6/53

All: -184.288+/-85.568 χ^2/NDF: 168.9/99

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1133.430+/-0.249 χ^2/NDF: 3669685.2/22

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1192.016+/-0.243 χ^2/NDF: 4757633.4/28

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

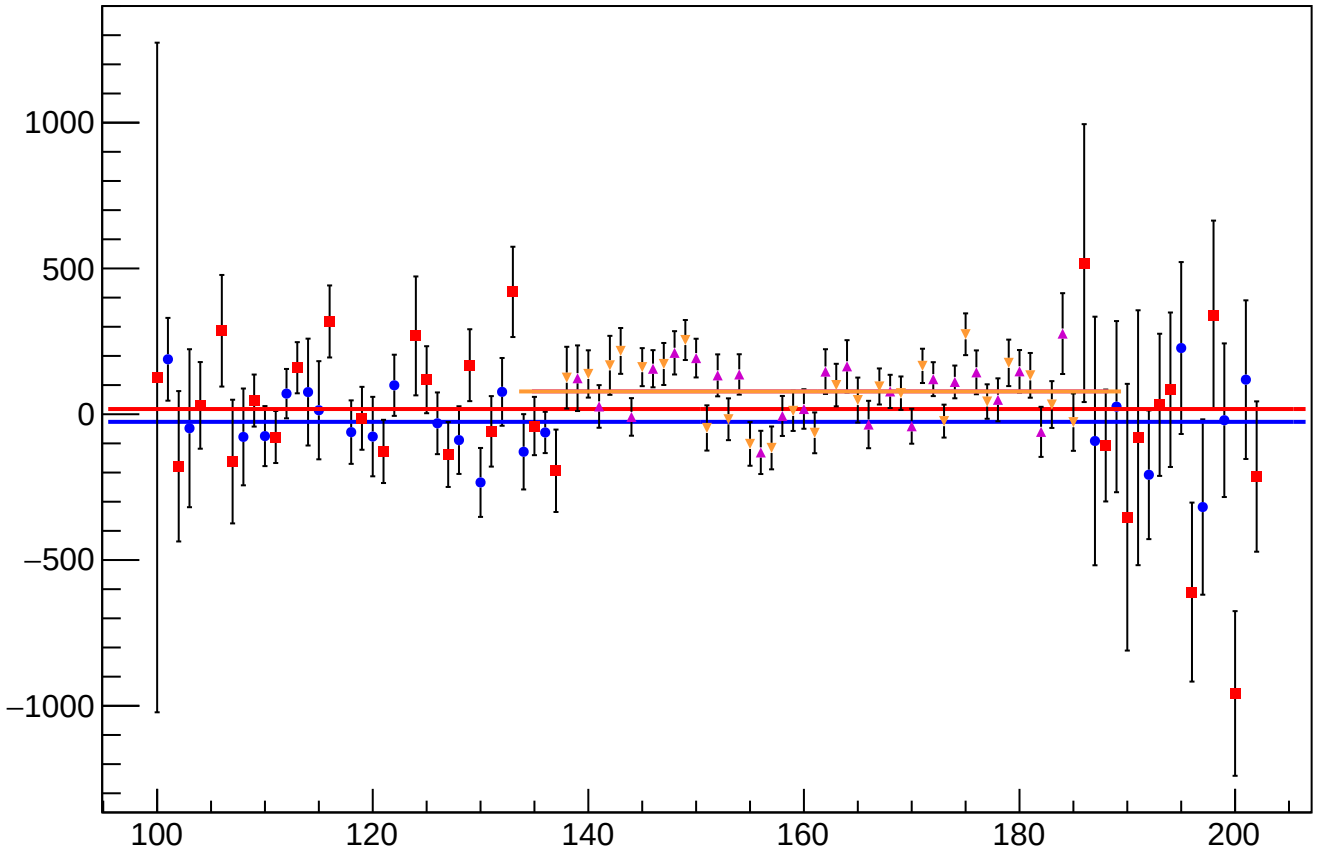
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1163.433+/-0.174 χ^2/NDF: 8455770.6/51

In: 612.990+/-0.086 χ^2/NDF:10496930.1/45

Out: 624.239+/-0.085 χ^2/NDF:13079938.4/53

All: 618.723+/-0.061 χ^2/NDF: 23585506.2/99



Right In: -26.116+/-27.903 χ^2/NDF: 13.7/22

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 17.879+/-27.164 χ^2/NDF: 50.6/28

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

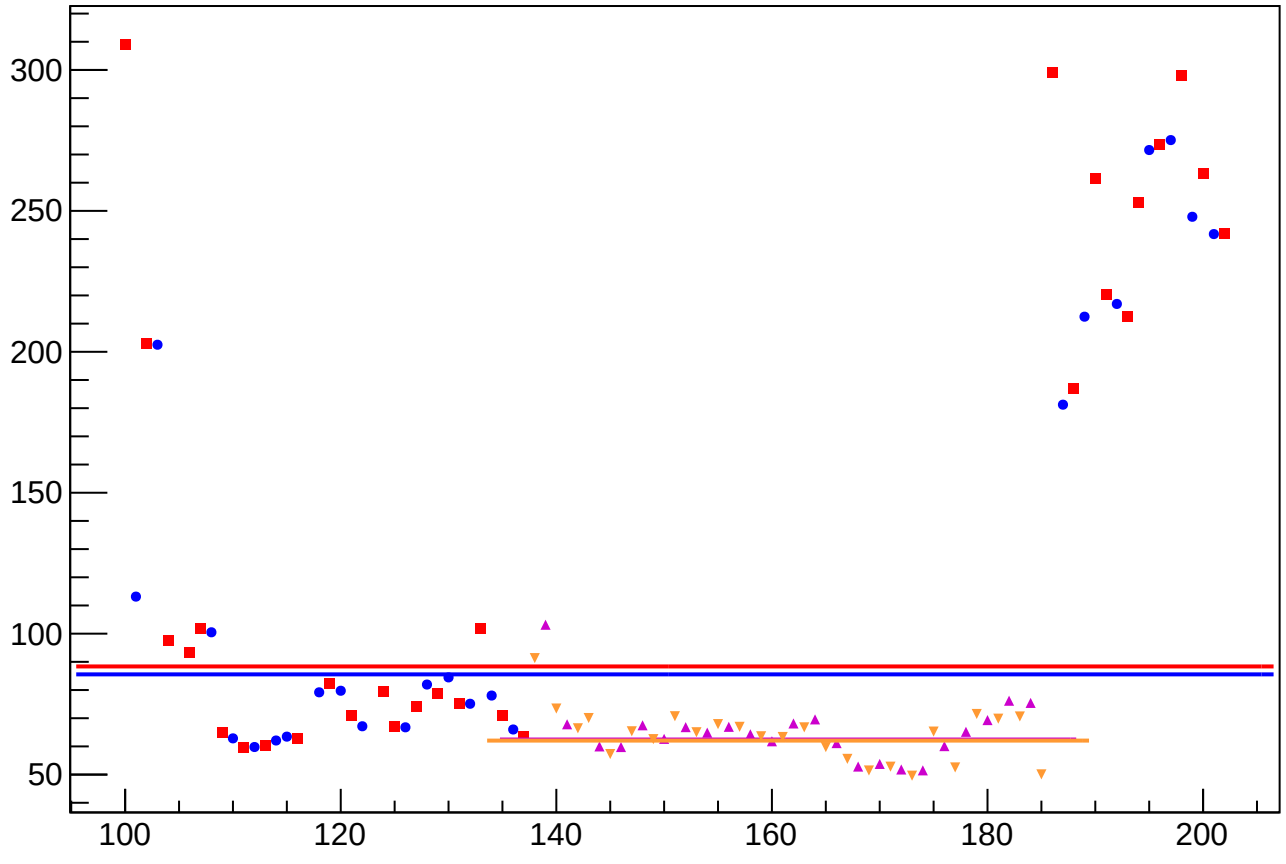
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -3.528+/-19.464 χ^2/NDF: 65.6/51

In: 55.508+/-13.082 χ^2/NDF:61.3/45

Out: 65.045+/-12.671 χ^2/NDF:108.4/53

All: 60.428+/-9.102 χ^2/NDF: 170.0/99



Right In: 85.558+/-0.020 χ^2/NDF: 5321251.3/22

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 88.369+/-0.019 χ^2/NDF: 7175410.7/28

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

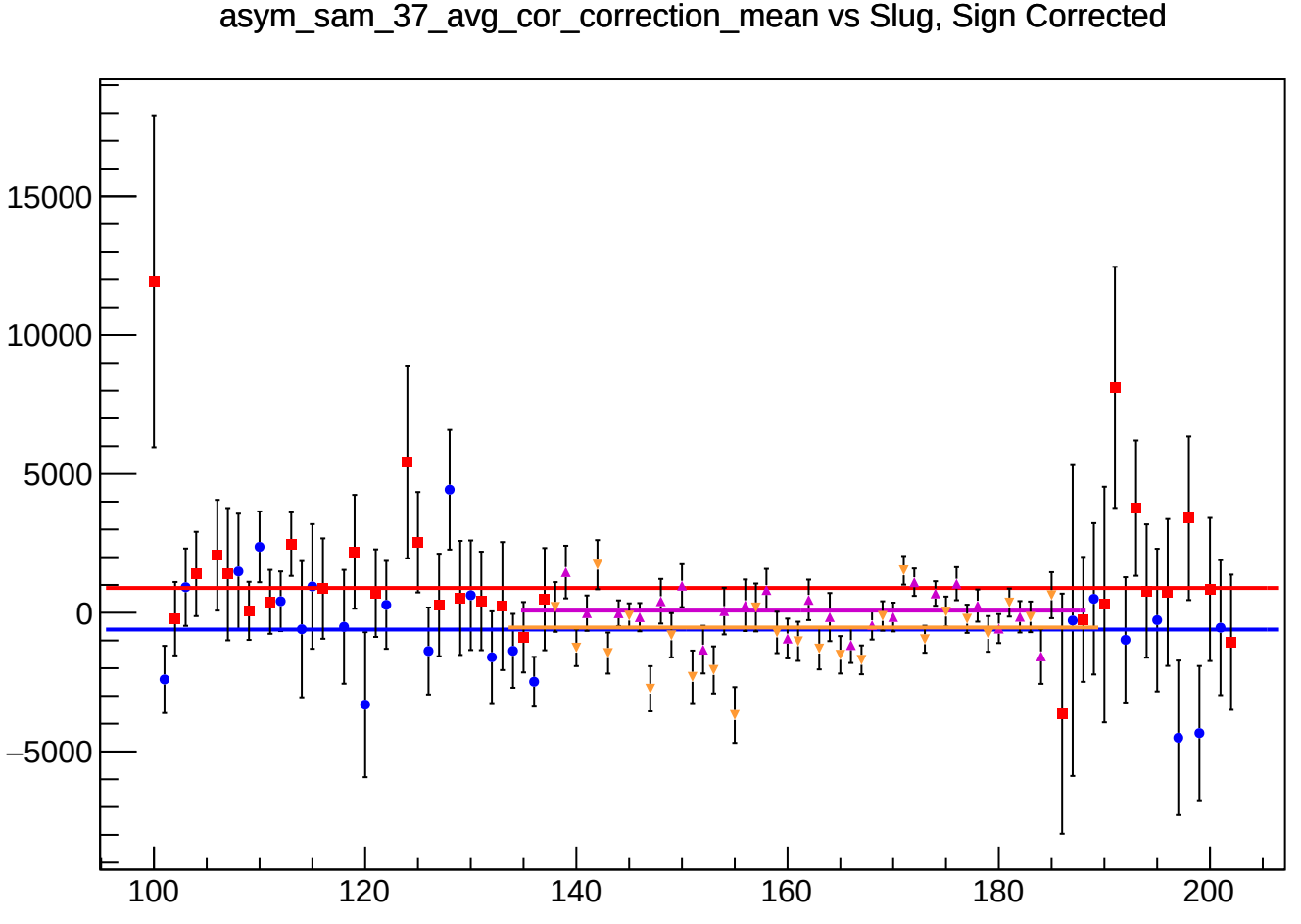
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 87.001+/-0.014 χ^2/NDF: 12507085.2/51

In: 67.526+/-0.009 χ^2/NDF:7056505.9/45

Out: 67.787+/-0.009 χ^2/NDF:9329521.9/53

All: 67.661+/-0.006 χ^2/NDF: 16386438.6/99



Right In: -606.161+/-351.511 χ^2/NDF: 28.4/22

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 889.765+/-343.764 χ^2/NDF: 19.5/28

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

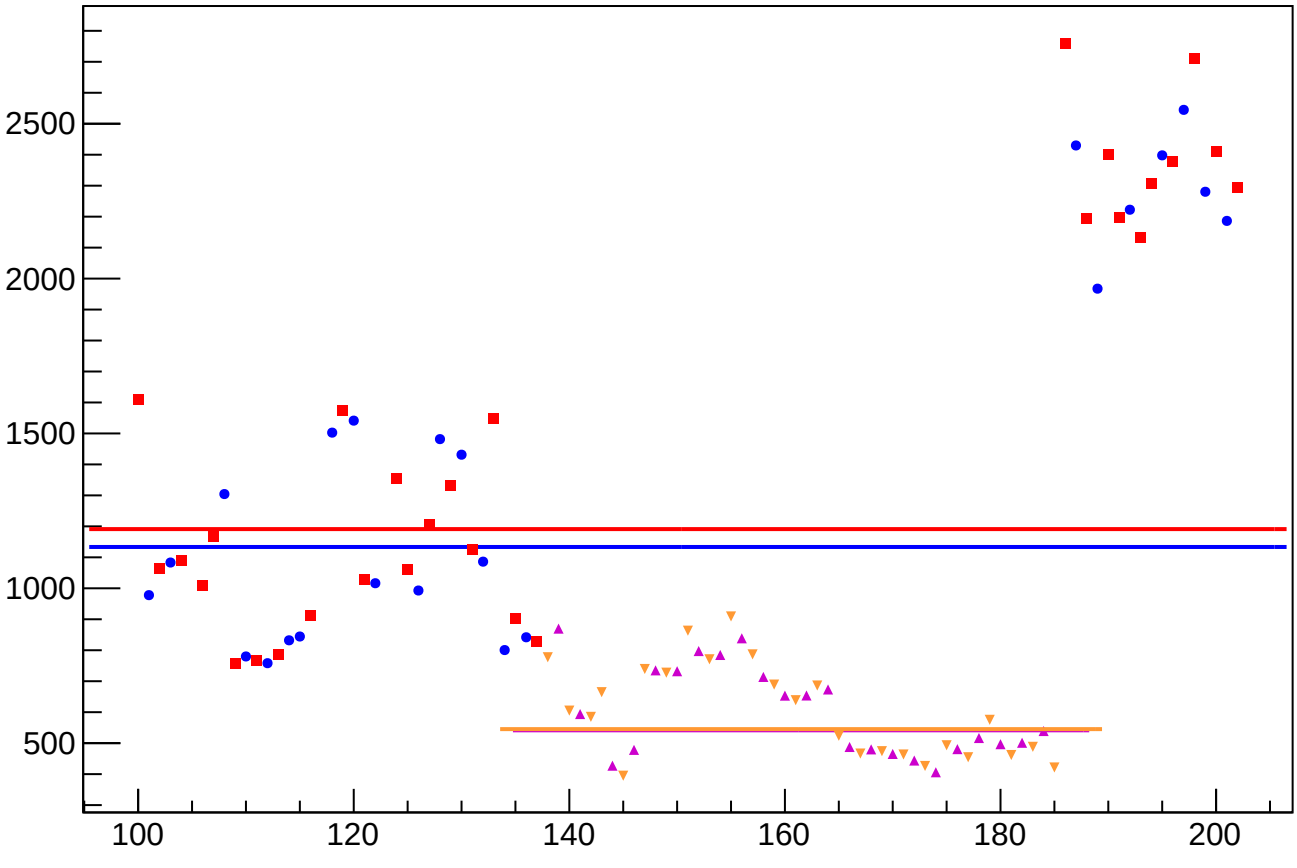
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 158.468+/-245.771 χ^2/NDF: 57.2/51

In: -5.206+/-122.190 χ^2/NDF:60.1/45

Out: -359.739+/-119.894 χ^2/NDF:103.6/53

All: -185.836+/-85.578 χ^2/NDF: 168.0/99



Right In: 1133.438+/-0.249 χ^2/NDF: 3669678.2/22

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1191.162+/-0.243 χ^2/NDF: 4763891.4/28

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

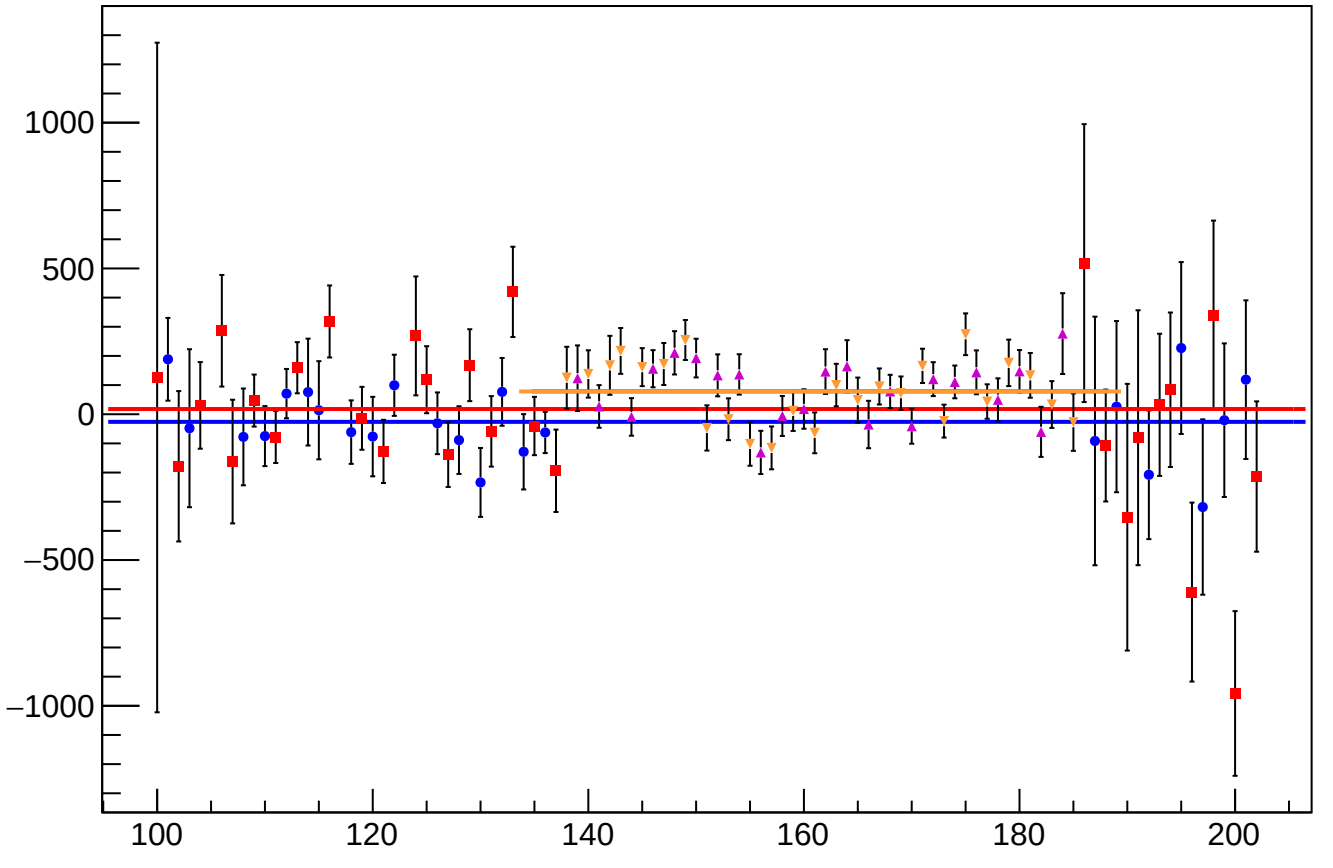
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1162.943+/-0.174 χ^2/NDF: 8461138.0/51

In: 612.990+/-0.086 χ^2/NDF:10496987.7/45

Out: 623.866+/-0.085 χ^2/NDF:13048498.8/53

All: 618.531+/-0.061 χ^2/NDF: 23553558.4/99



Right In: -26.116+/-27.903 χ^2/NDF: 13.7/22

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 17.879+/-27.164 χ^2/NDF: 50.6/28

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

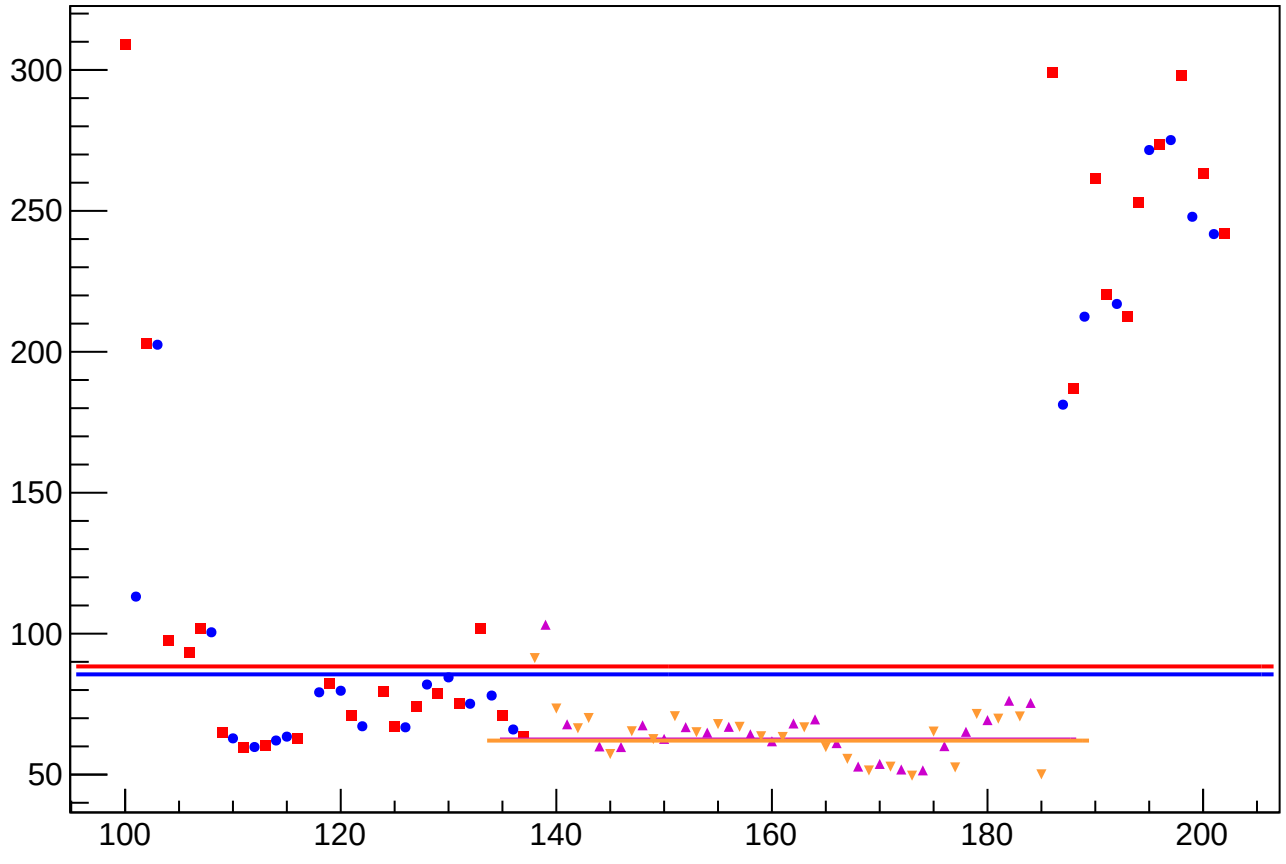
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -3.528+/-19.464 χ^2/NDF: 65.6/51

In: 55.508+/-13.082 χ^2/NDF:61.3/45

Out: 65.045+/-12.671 χ^2/NDF:108.4/53

All: 60.428+/-9.102 χ^2/NDF: 170.0/99



Right In: 85.558+/-0.020 χ^2/NDF: 5321251.3/22

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 88.369+/-0.019 χ^2/NDF: 7175410.7/28

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

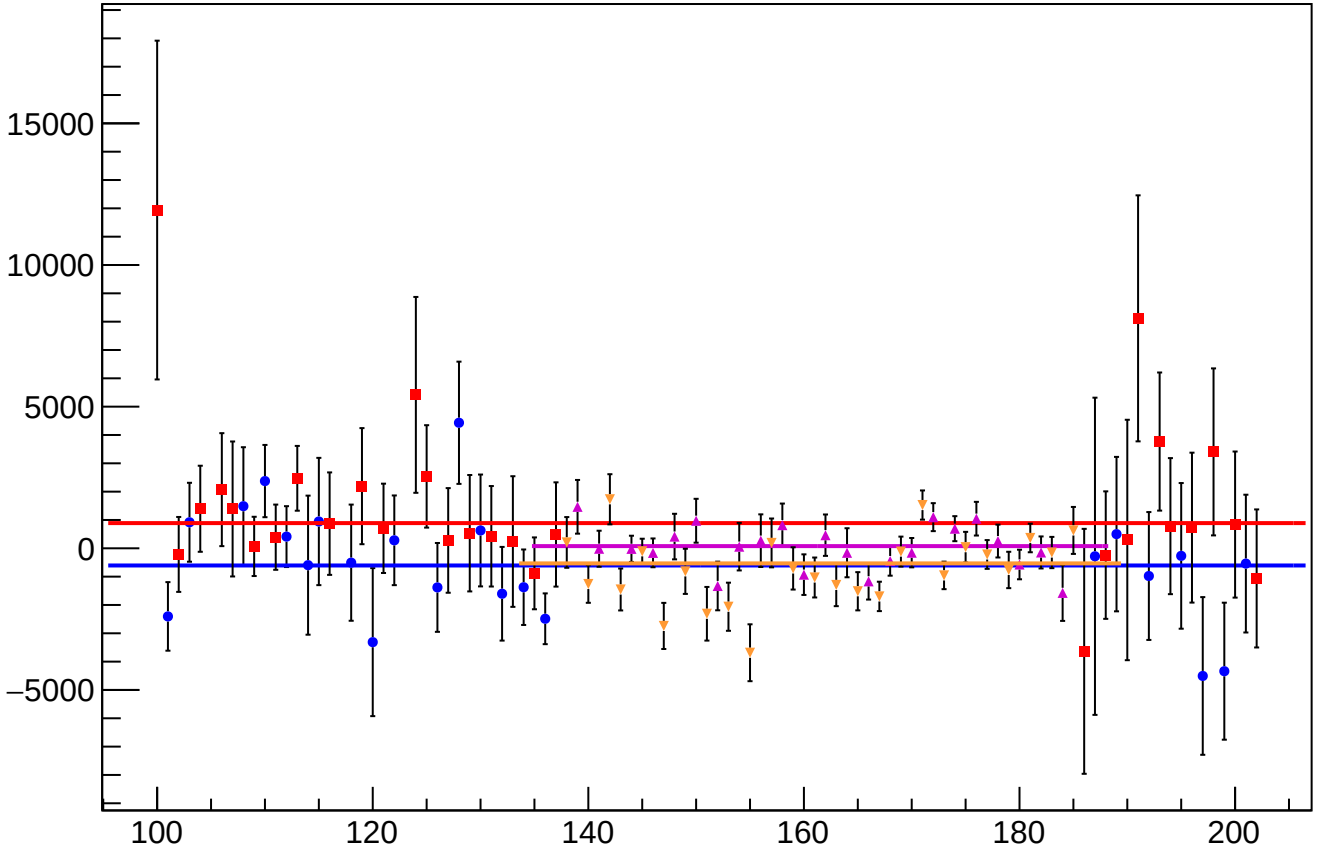
Right: 87.001+/-0.014 χ^2/NDF: 12507085.2/51

In: 67.526+/-0.009 χ^2/NDF:7056505.9/45

Out: 67.787+/-0.009 χ^2/NDF:9329521.9/53

All: 67.661+/-0.006 χ^2/NDF: 16386438.6/99

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -606.161+/-351.511 χ^2/NDF: 28.4/22

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 889.765+/-343.764 χ^2/NDF: 19.5/28

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

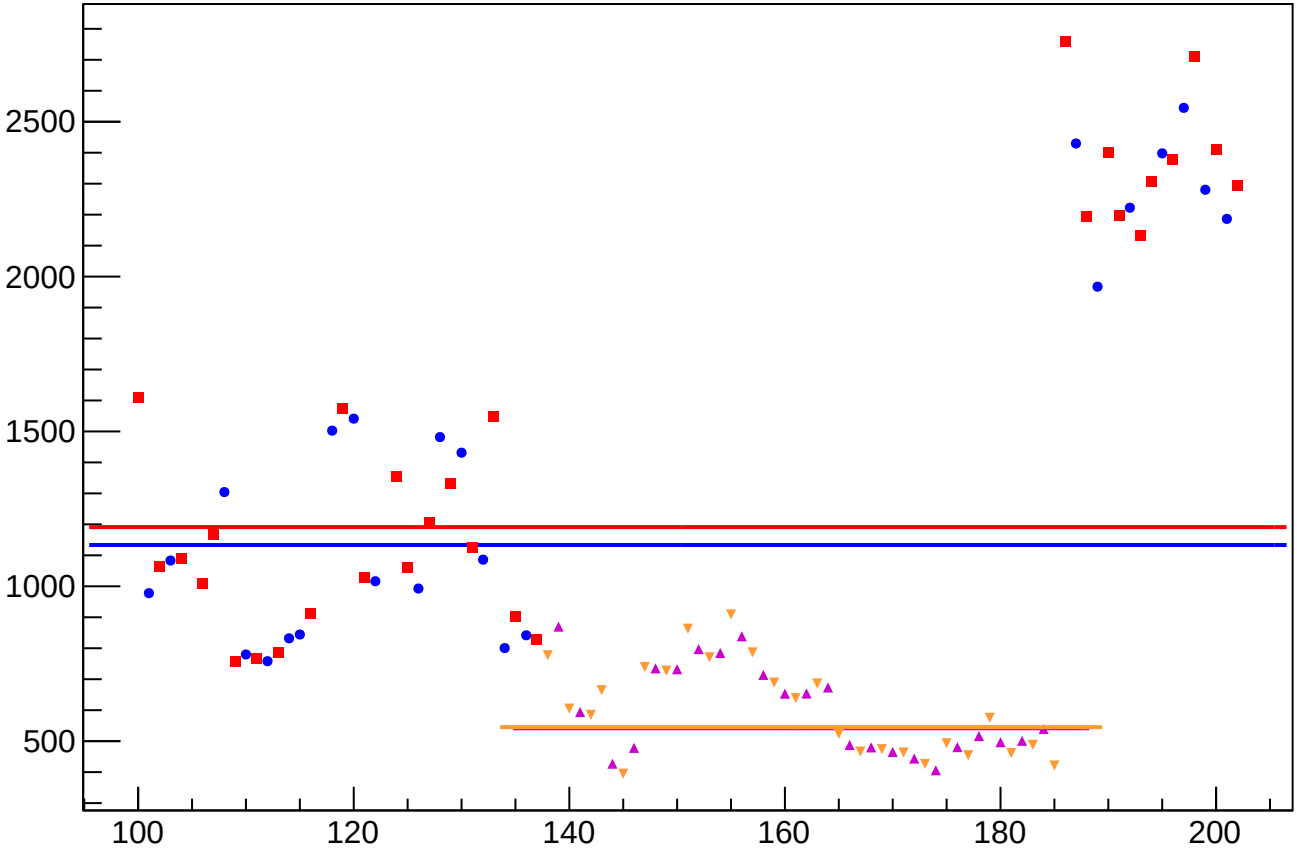
Right: 158.468+/-245.771 χ^2/NDF: 57.2/51

In: -5.206+/-122.190 χ^2/NDF:60.1/45

Out: -359.739+/-119.894 χ^2/NDF:103.6/53

All: -185.836+/-85.578 χ^2/NDF: 168.0/99

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1133.438+/-0.249 χ^2/NDF: 3669678.2/22

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1191.162+/-0.243 χ^2/NDF: 4763891.4/28

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

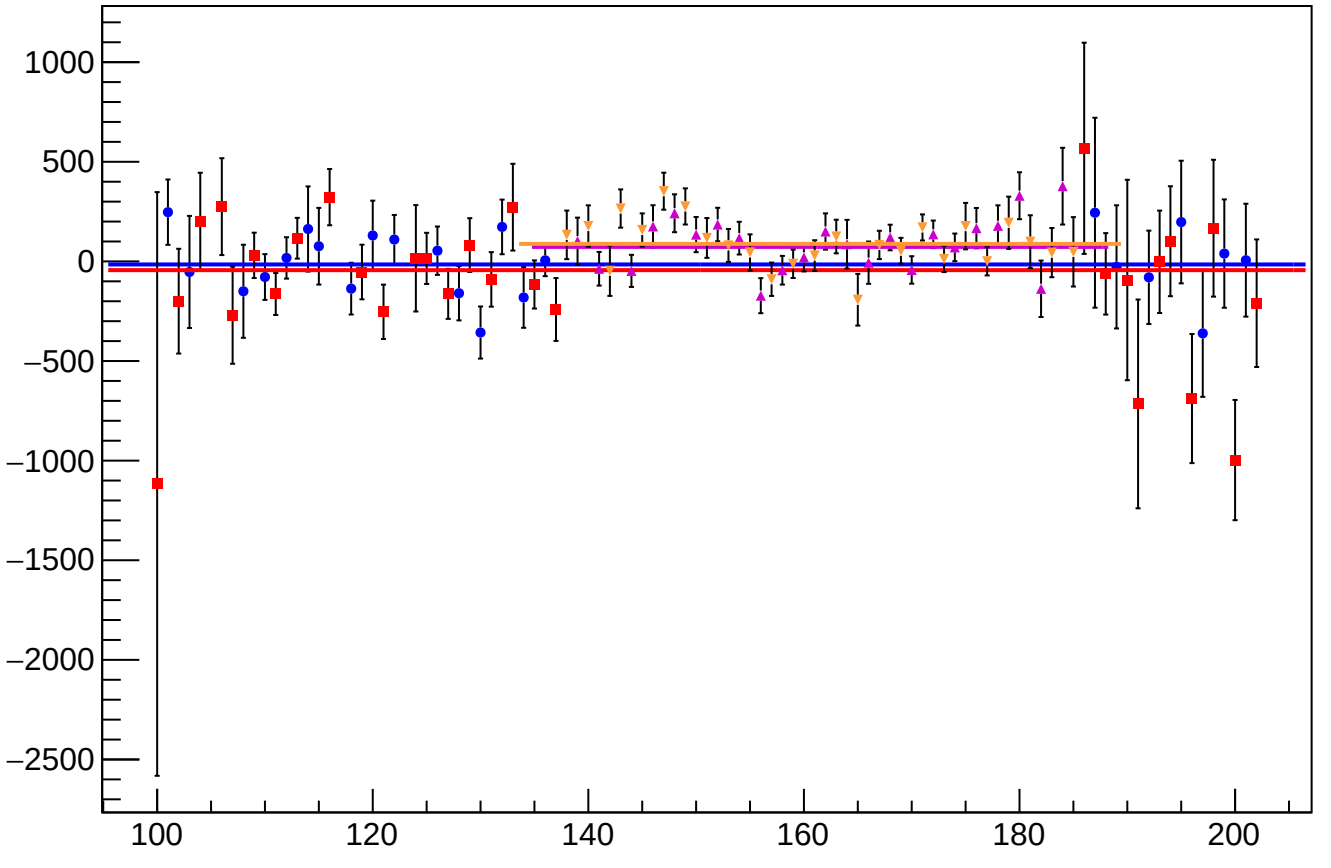
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1162.943+/-0.174 χ^2/NDF: 8461138.0/51

In: 612.990+/-0.086 χ^2/NDF:10496987.7/45

Out: 623.866+/-0.085 χ^2/NDF:13048498.8/53

All: 618.531+/-0.061 χ^2/NDF: 23553558.4/99



Right In: -15.311+/-32.329 χ^2/NDF: 20.3/22

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -43.852+/-32.217 χ^2/NDF: 41.7/28

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

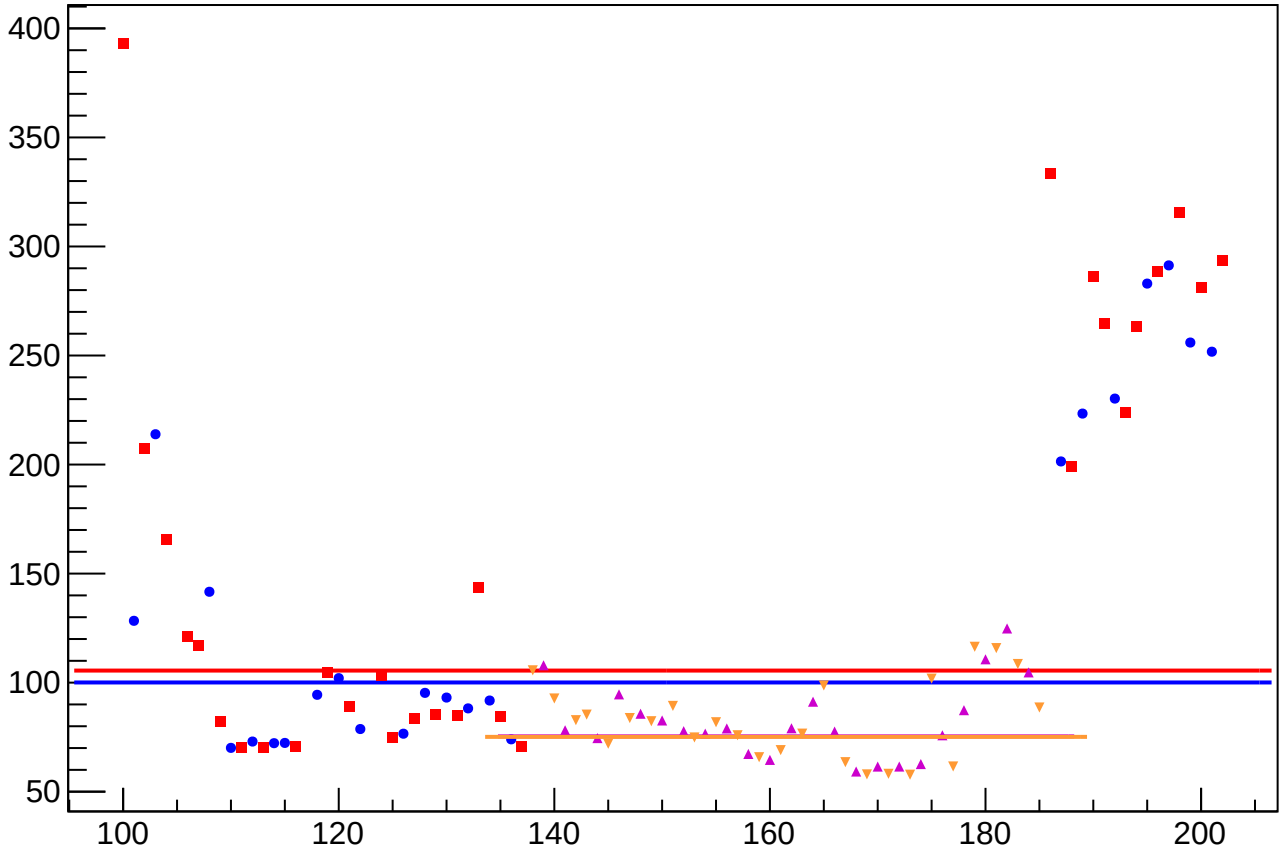
Right: -29.631+/-22.820 χ^2/NDF: 62.5/51

In: 51.498+/-15.910 χ^2/NDF:64.4/45

Out: 57.342+/-15.543 χ^2/NDF:91.5/53

All: 54.488+/-11.118 χ^2/NDF: 156.0/99

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 100.074+/-0.023 χ^2/NDF: 4863316.0/22

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 105.530+/-0.023 χ^2/NDF: 6742572.4/28

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

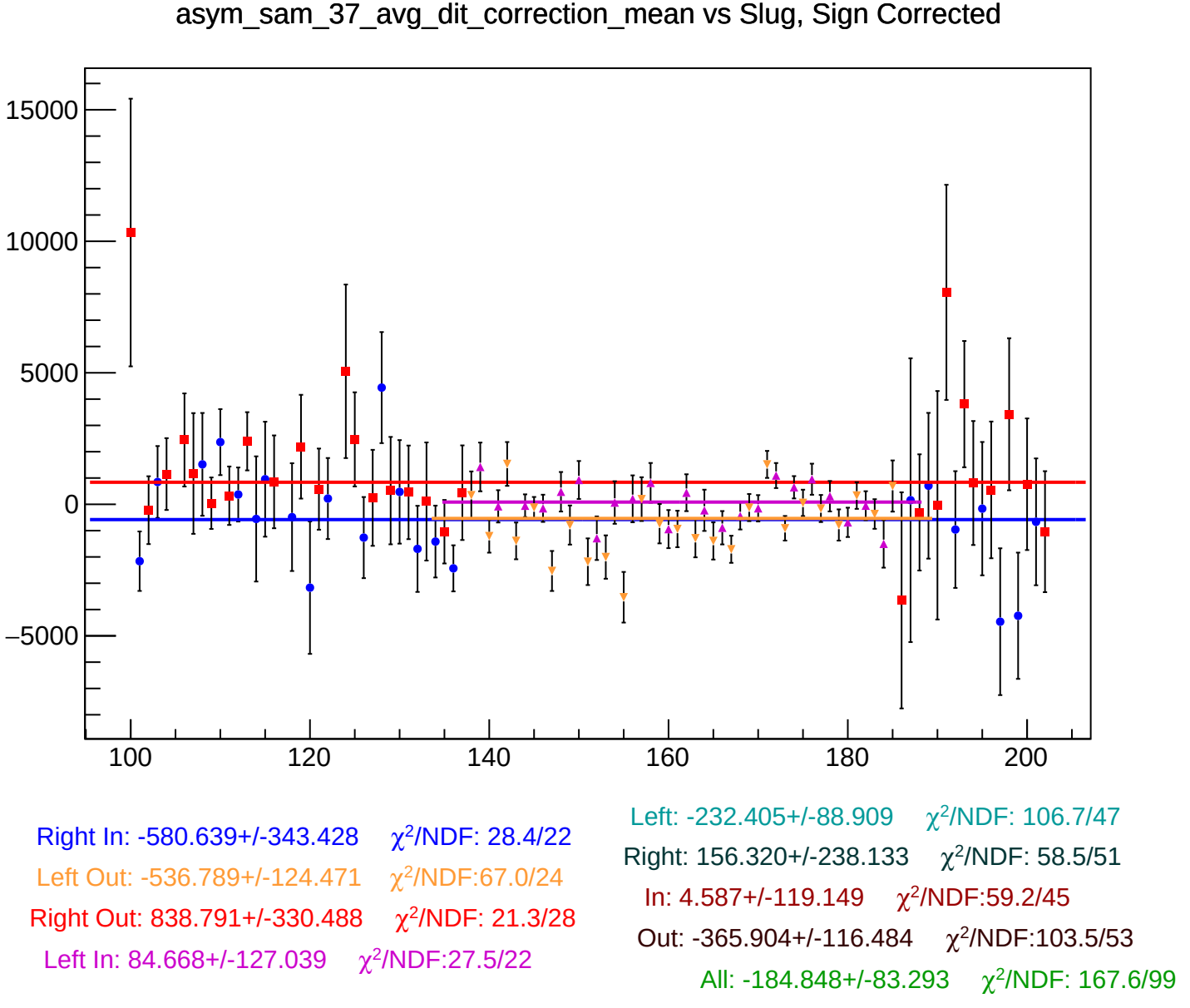
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

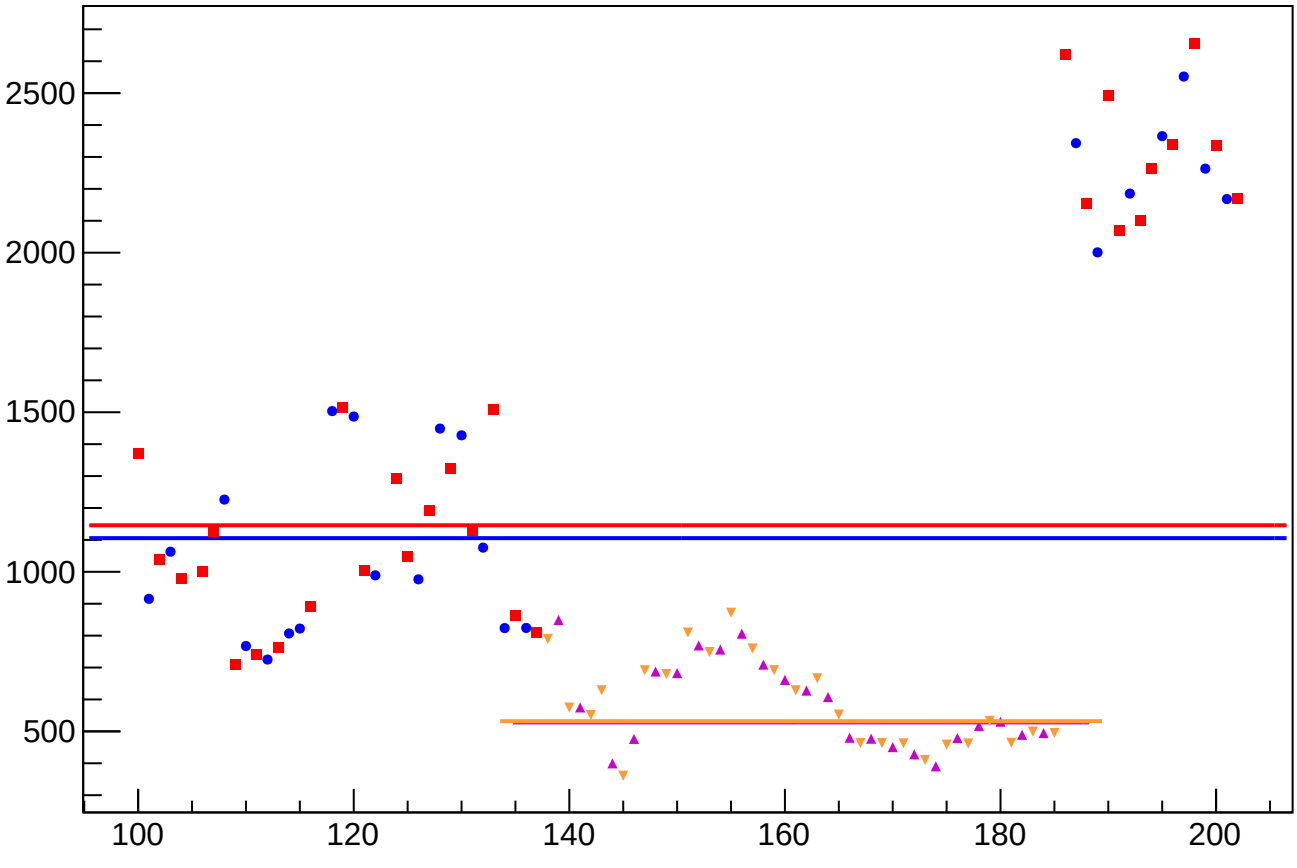
Right: 102.811+/-0.016 χ^2/NDF: 11634463.0/51

In: 81.348+/-0.011 χ^2/NDF:6974191.0/45

Out: 82.204+/-0.011 χ^2/NDF:9710472.7/53

All: 81.786+/-0.008 χ^2/NDF: 16687628.4/99


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -580.639+/-343.428 χ²/NDF: 28.4/22
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 838.791+/-330.488 χ²/NDF: 21.3/28
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 156.320+/-238.133 χ²/NDF: 58.5/51
In: 4.587+/-119.149 χ²/NDF:59.2/45
Out: -365.904+/-116.484 χ²/NDF:103.5/53
All: -184.848+/-83.293 χ²/NDF: 167.6/99



Right In: 1105.484+/-0.243 χ^2/NDF: 3769480.3/22

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1145.766+/-0.234 χ^2/NDF: 4905265.1/28

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

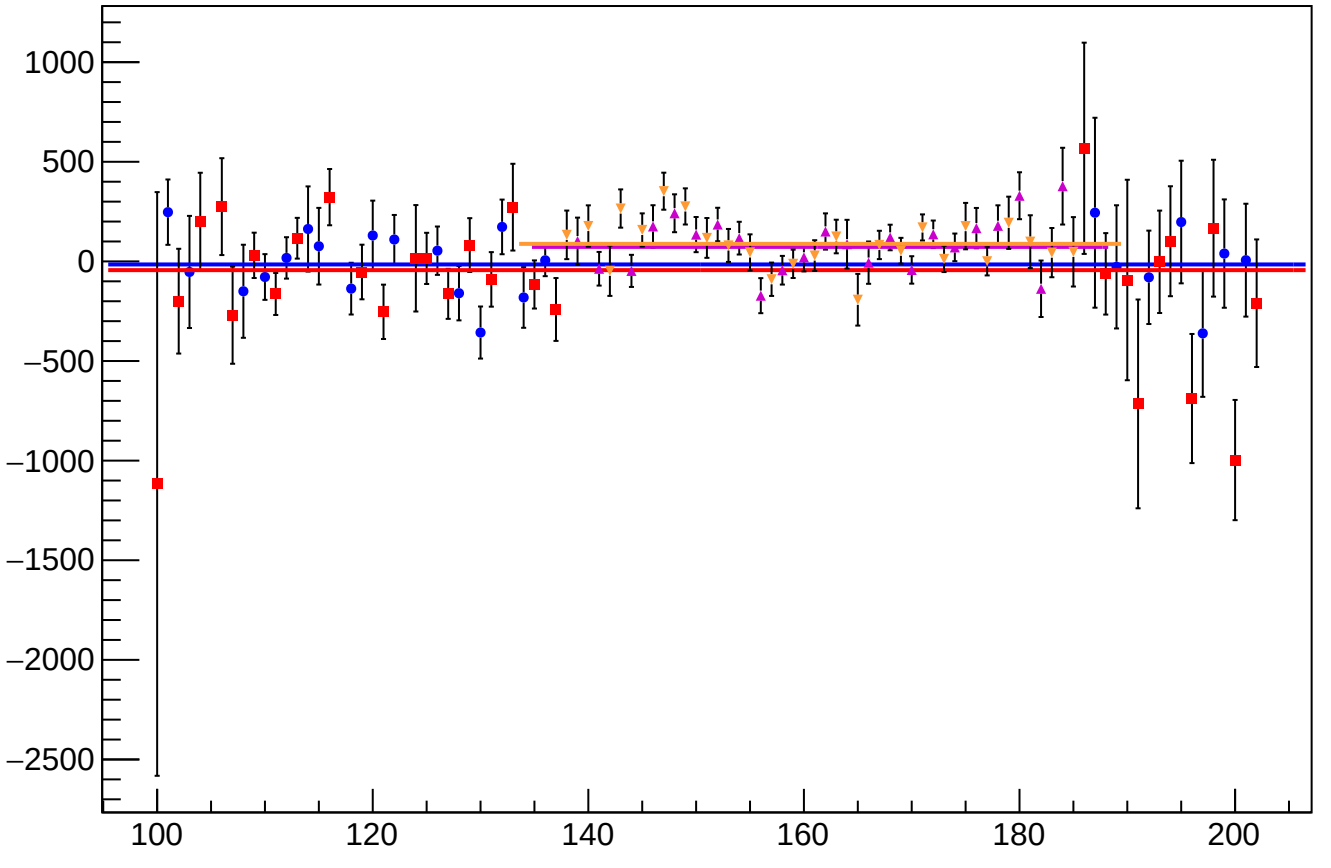
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1126.398+/-0.168 χ^2/NDF: 8689031.3/51

In: 597.498+/-0.084 χ^2/NDF:10544593.8/45

Out: 608.135+/-0.082 χ^2/NDF:12986632.5/53

All: 602.937+/-0.059 χ^2/NDF: 23539377.4/99



Right In: -15.311+/-32.329 χ^2/NDF: 20.3/22

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -43.855+/-32.217 χ^2/NDF: 41.7/28

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

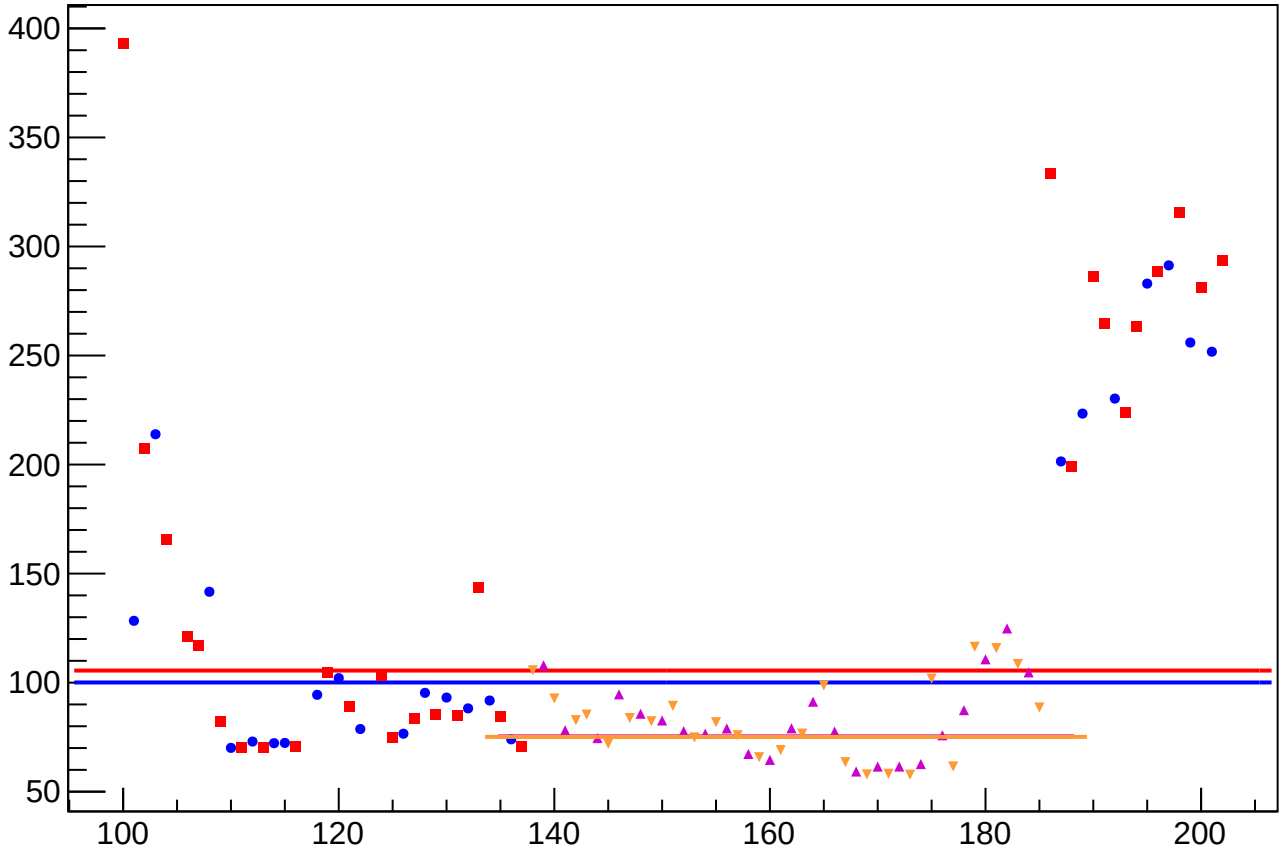
Right: -29.632+/-22.820 χ^2/NDF: 62.5/51

In: 51.497+/-15.910 χ^2/NDF:64.4/45

Out: 57.342+/-15.543 χ^2/NDF:91.5/53

All: 54.488+/-11.118 χ^2/NDF: 156.0/99

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 100.075+/-0.023 χ^2/NDF: 4863291.0/22

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 105.530+/-0.023 χ^2/NDF: 6742546.6/28

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

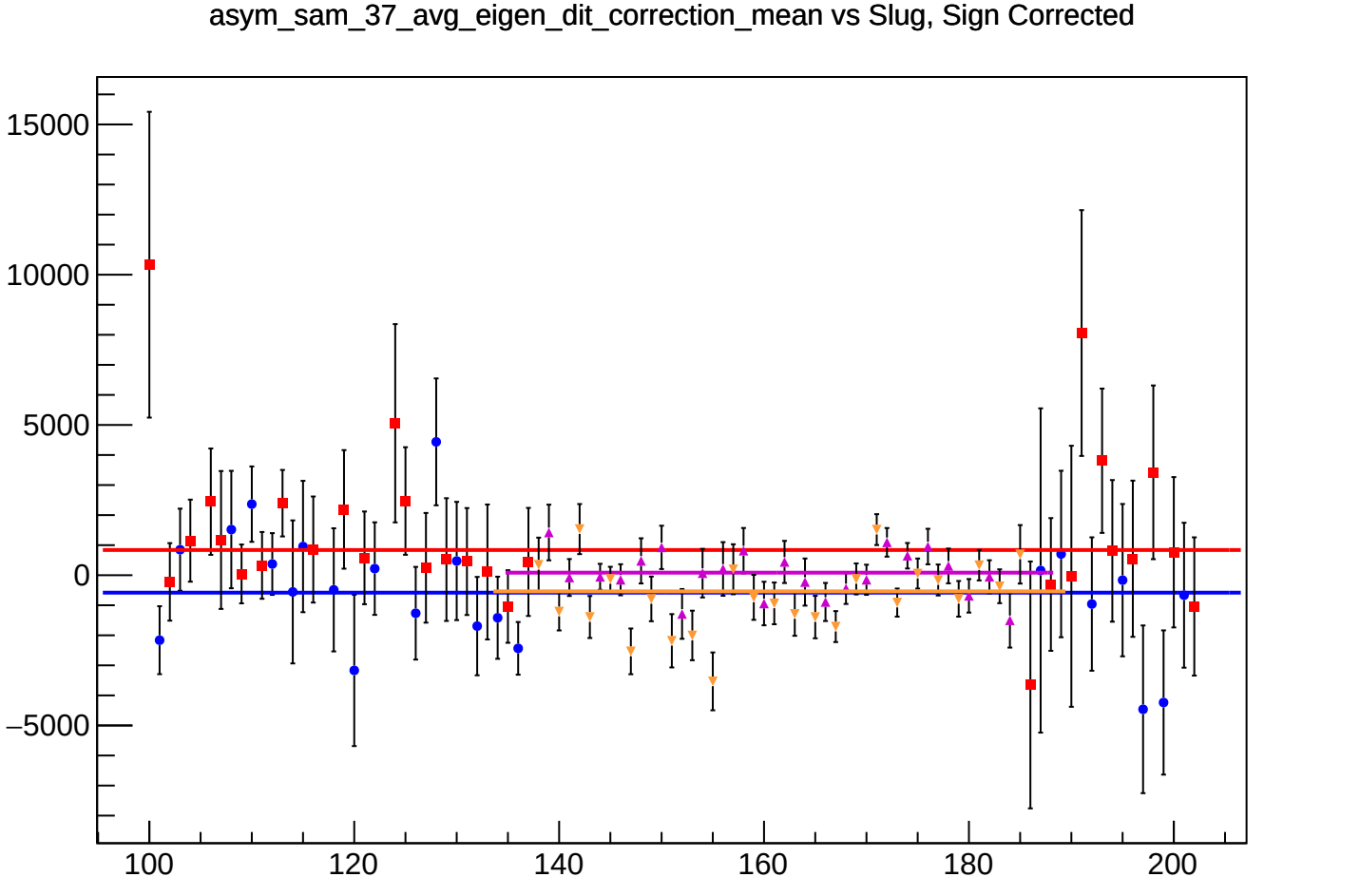
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

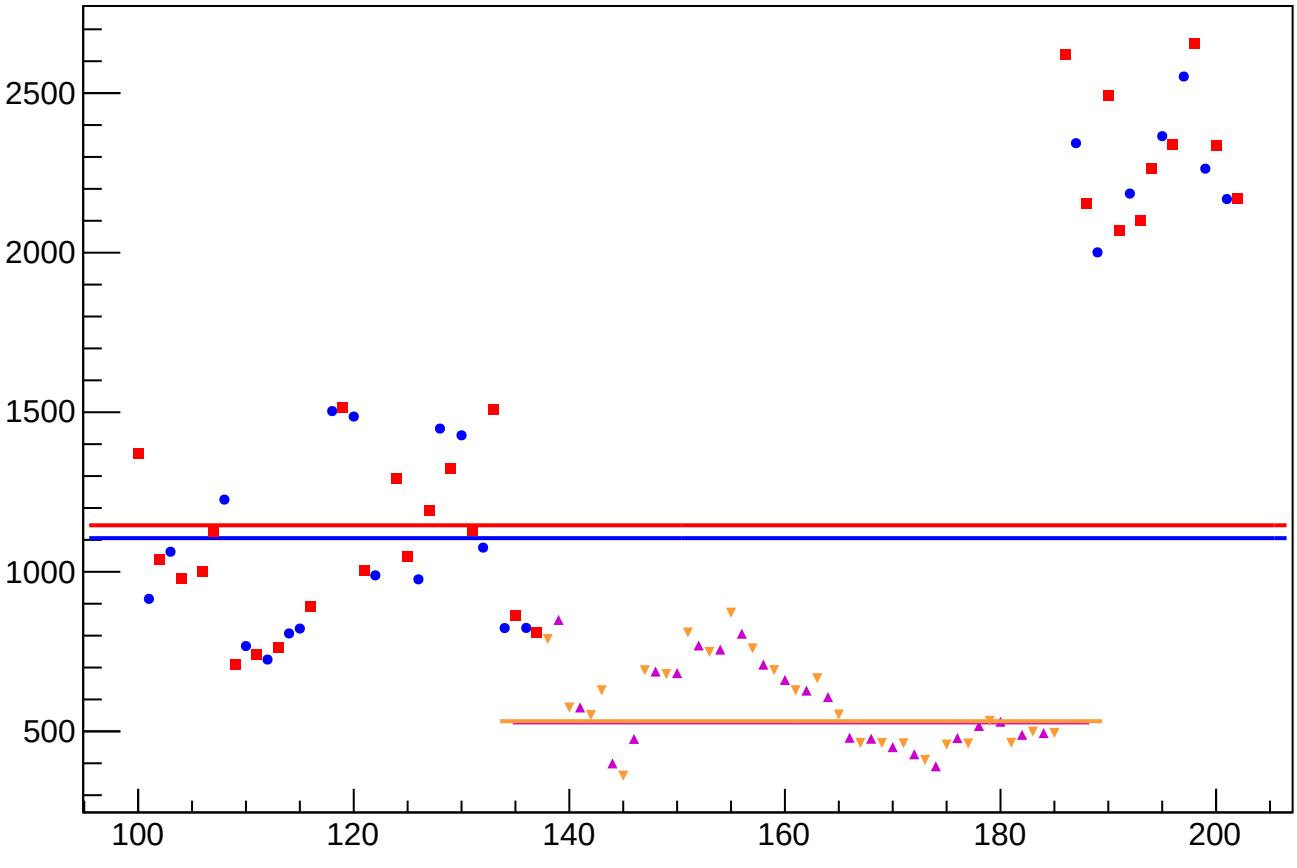
Right: 102.812+/-0.016 χ^2/NDF: 11634413.3/51

In: 81.348+/-0.011 χ^2/NDF:6974176.2/45

Out: 82.204+/-0.011 χ^2/NDF:9710464.1/53

All: 81.786+/-0.008 χ^2/NDF: 16687605.3/99


asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -580.636+/-343.427 χ²/NDF: 28.4/22
Left Out: -536.790+/-124.471 χ²/NDF:67.0/24
Right Out: 838.790+/-330.487 χ²/NDF: 21.3/28
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 156.321+/-238.133 χ²/NDF: 58.5/51
In: 4.587+/-119.149 χ²/NDF:59.2/45
Out: -365.904+/-116.484 χ²/NDF:103.5/53
All: -184.848+/-83.293 χ²/NDF: 167.6/99



Right In: 1105.482+/-0.243 χ^2/NDF: 3769486.8/22

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1145.764+/-0.234 χ^2/NDF: 4905271.8/28

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

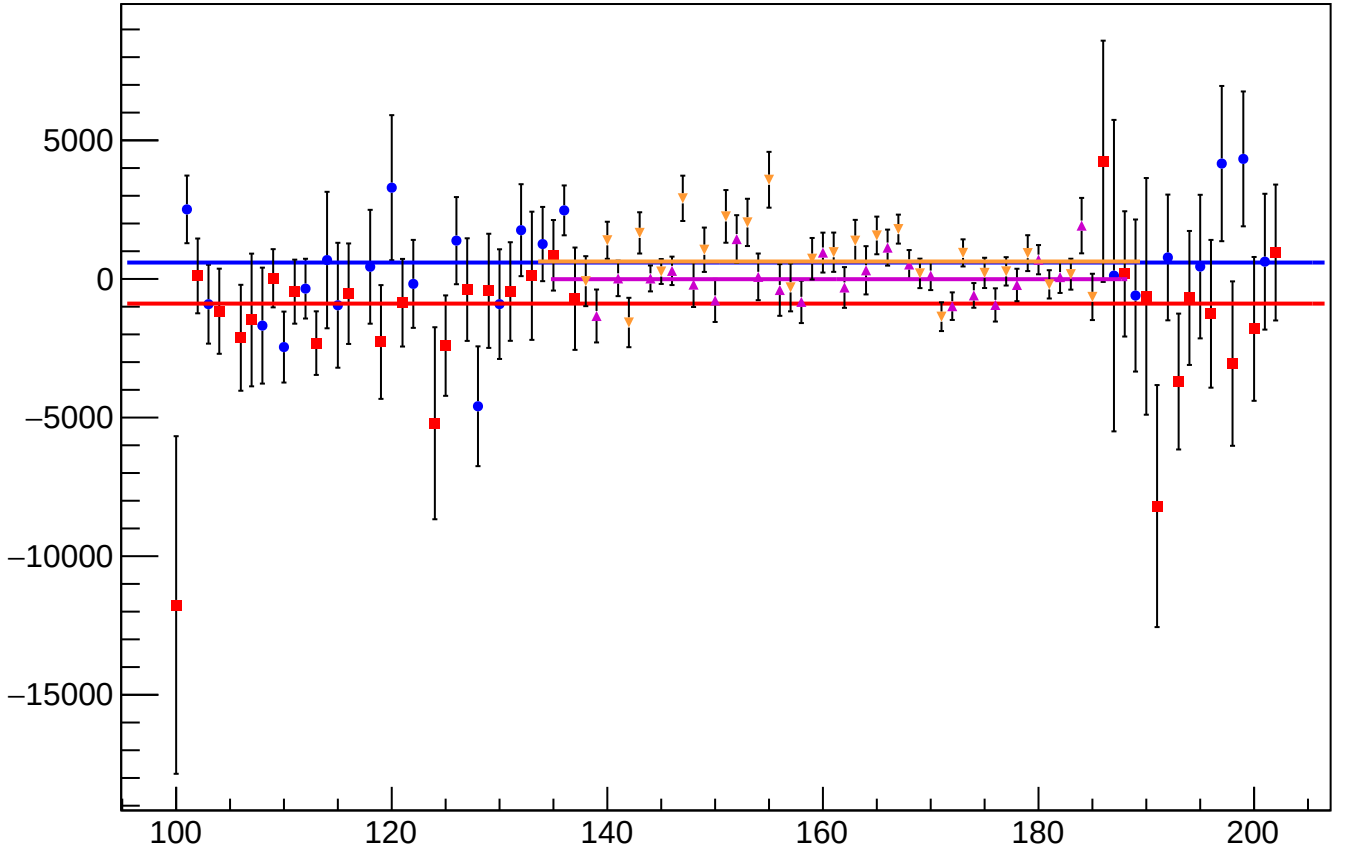
Right: 1126.396+/-0.168 χ^2/NDF: 8689044.5/51

In: 597.497+/-0.084 χ^2/NDF:10544577.9/45

Out: 608.135+/-0.082 χ^2/NDF:12986616.5/53

All: 602.936+/-0.059 χ^2/NDF: 23539345.3/99

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 591.683+/-353.288 χ^2/NDF: 28.9/22

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -889.253+/-344.965 χ^2/NDF: 18.7/28

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

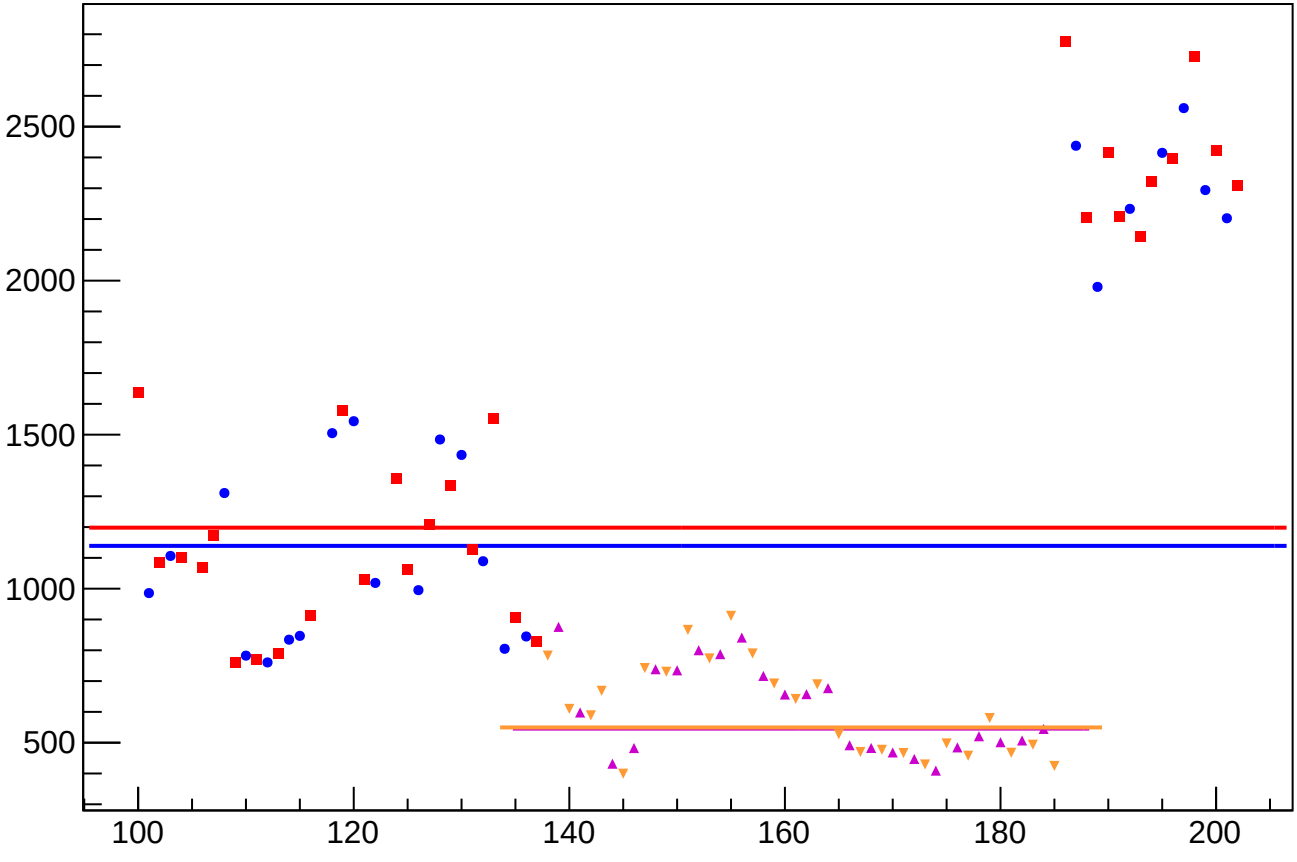
Right: -166.434+/-246.817 χ^2/NDF: 56.6/51

In: 64.364+/-123.066 χ^2/NDF:58.7/45

Out: 443.440+/-120.707 χ^2/NDF:100.6/53

All: 257.569+/-86.175 χ^2/NDF: 164.2/99

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1138.974+/-0.250 χ^2/NDF: 3677016.6/22

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1198.090+/-0.244 χ^2/NDF: 4767649.8/28

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

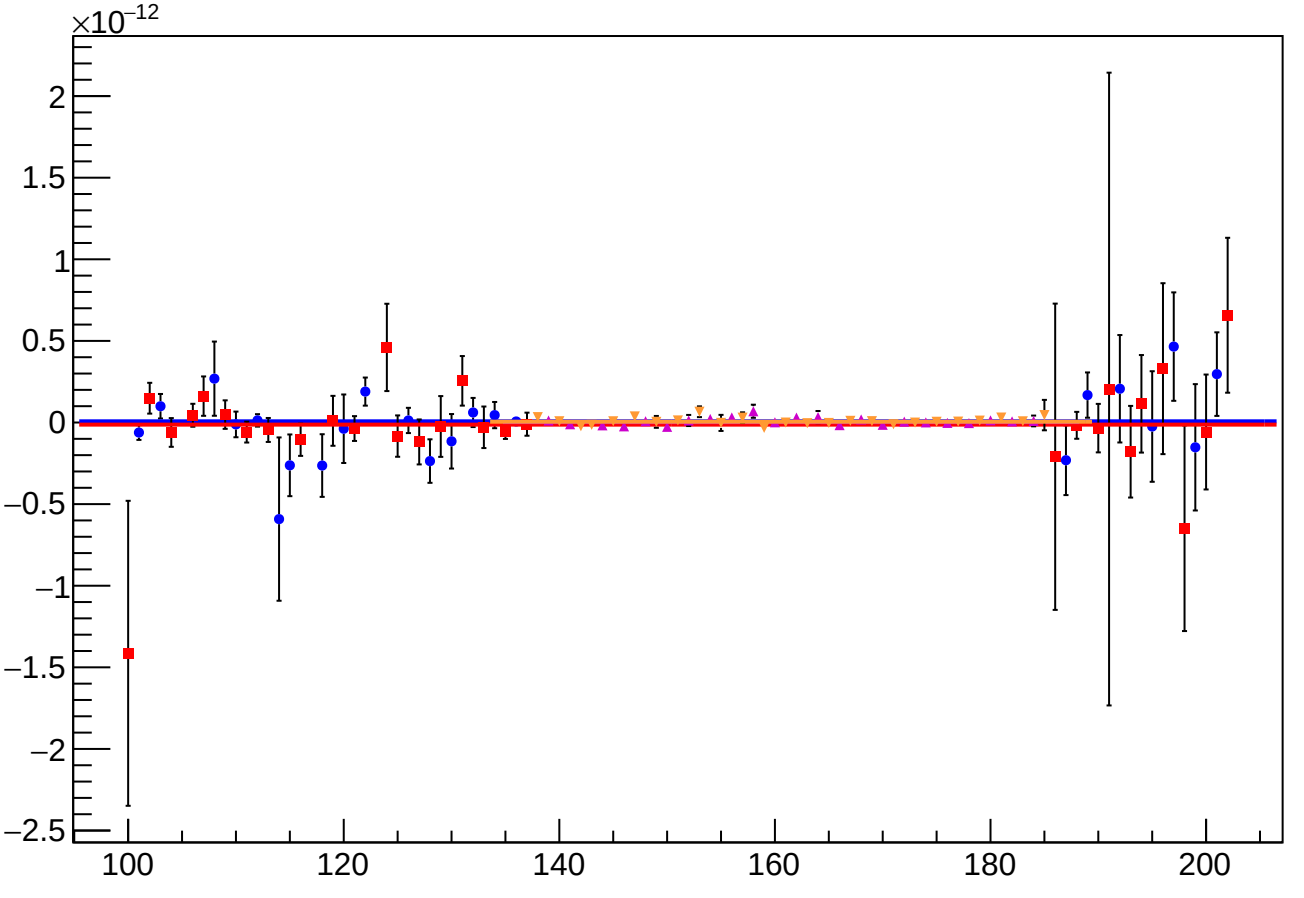
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1169.236+/-0.175 χ^2/NDF: 8473333.7/51

In: 617.697+/-0.087 χ^2/NDF:10447051.6/45

Out: 628.890+/-0.085 χ^2/NDF:13026409.3/53

All: 623.402+/-0.061 χ^2/NDF: 23481892.6/99



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/28

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

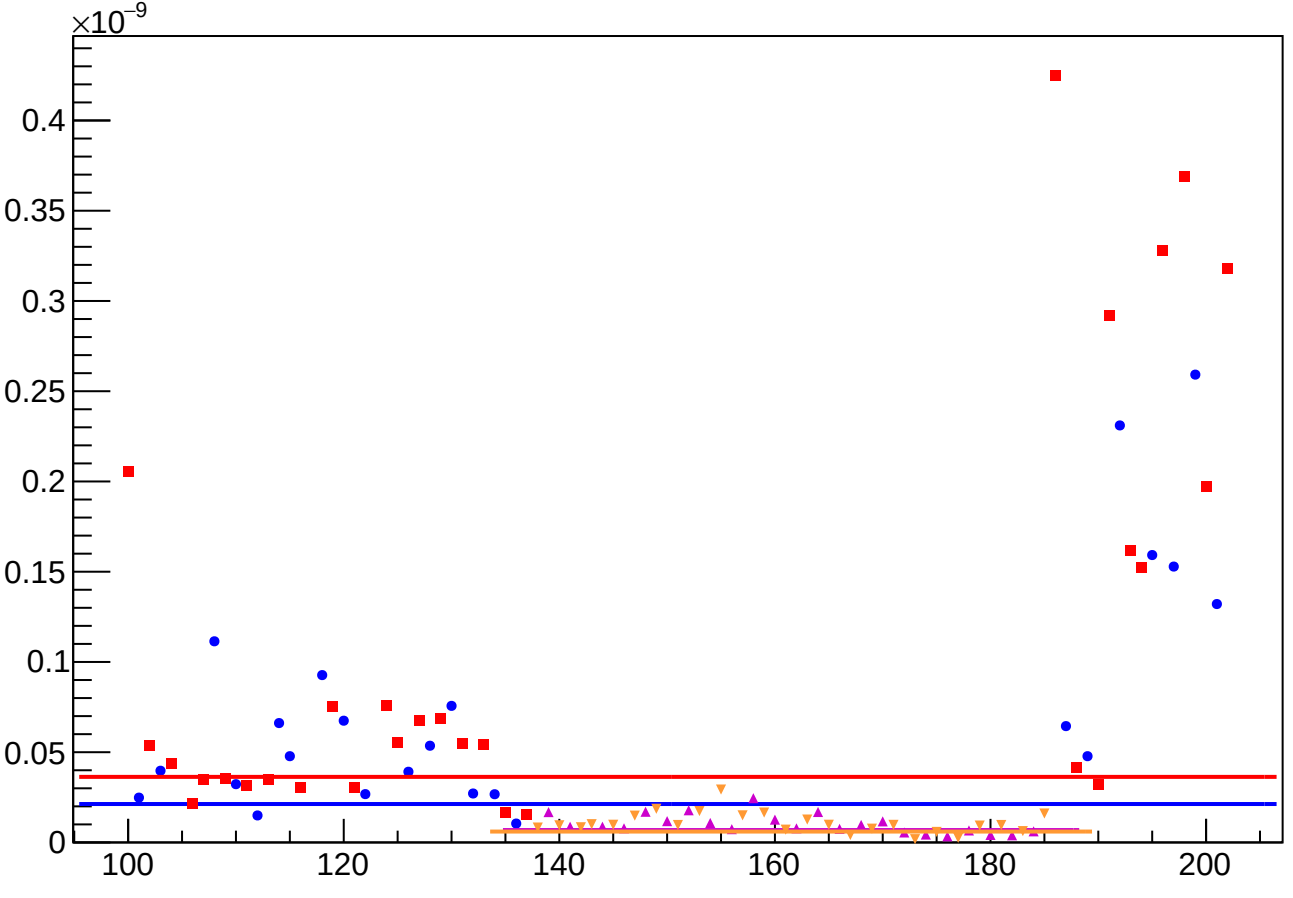
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: 0.000+/-0.000 χ^2/NDF: 49.2/51

In: 0.000+/-0.000 χ^2/NDF:46.1/45

Out: 0.000+/-0.000 χ^2/NDF:38.9/53

All: 0.000+/-0.000 χ^2/NDF: 85.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 4761423.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4629298.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

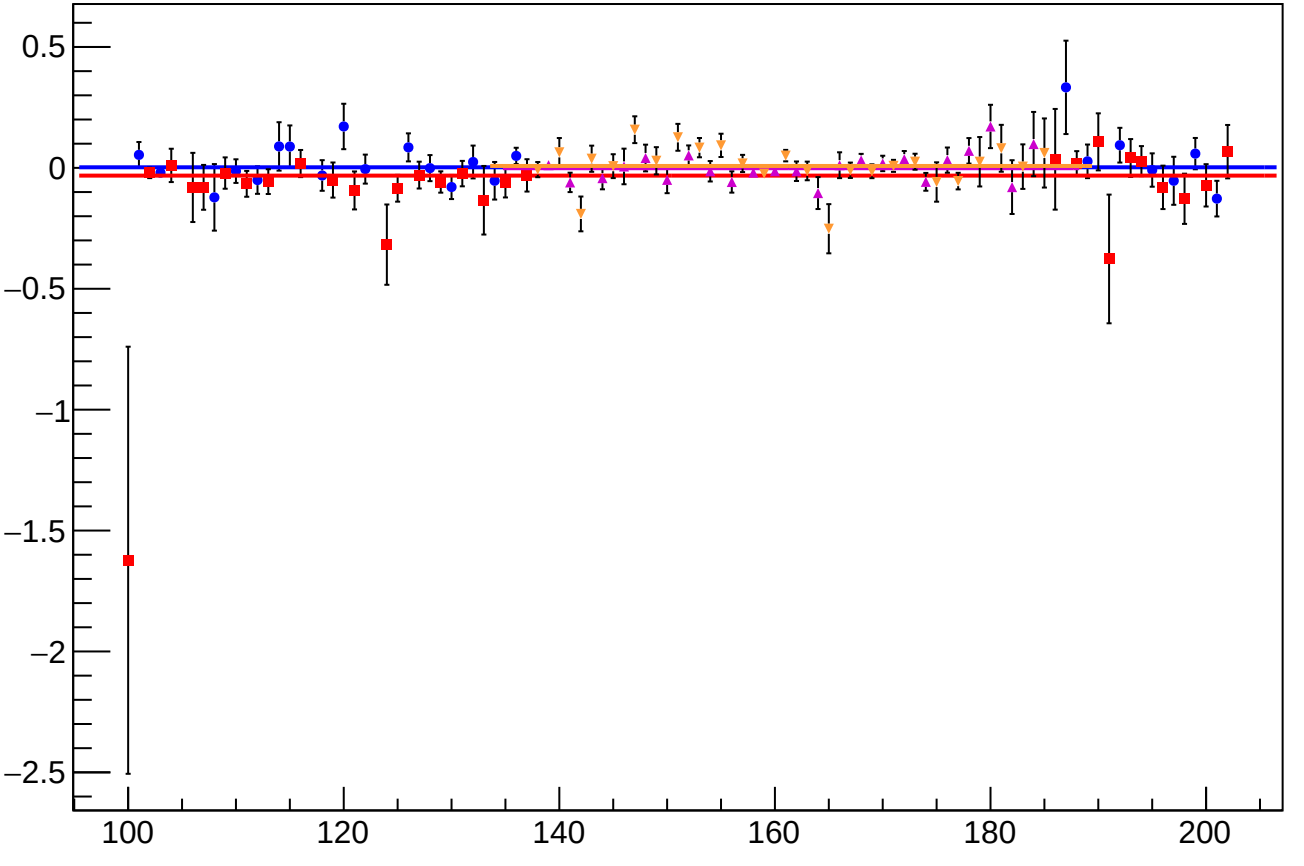
Right: 0.000+/-0.000 χ^2/NDF: 10152569.1/51

In: 0.000+/-0.000 χ^2/NDF:9119766.0/45

Out: 0.000+/-0.000 χ^2/NDF:12842921.1/53

All: 0.000+/-0.000 χ^2/NDF: 22039148.7/99

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.011 χ^2/NDF: 25.4/22

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/28

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

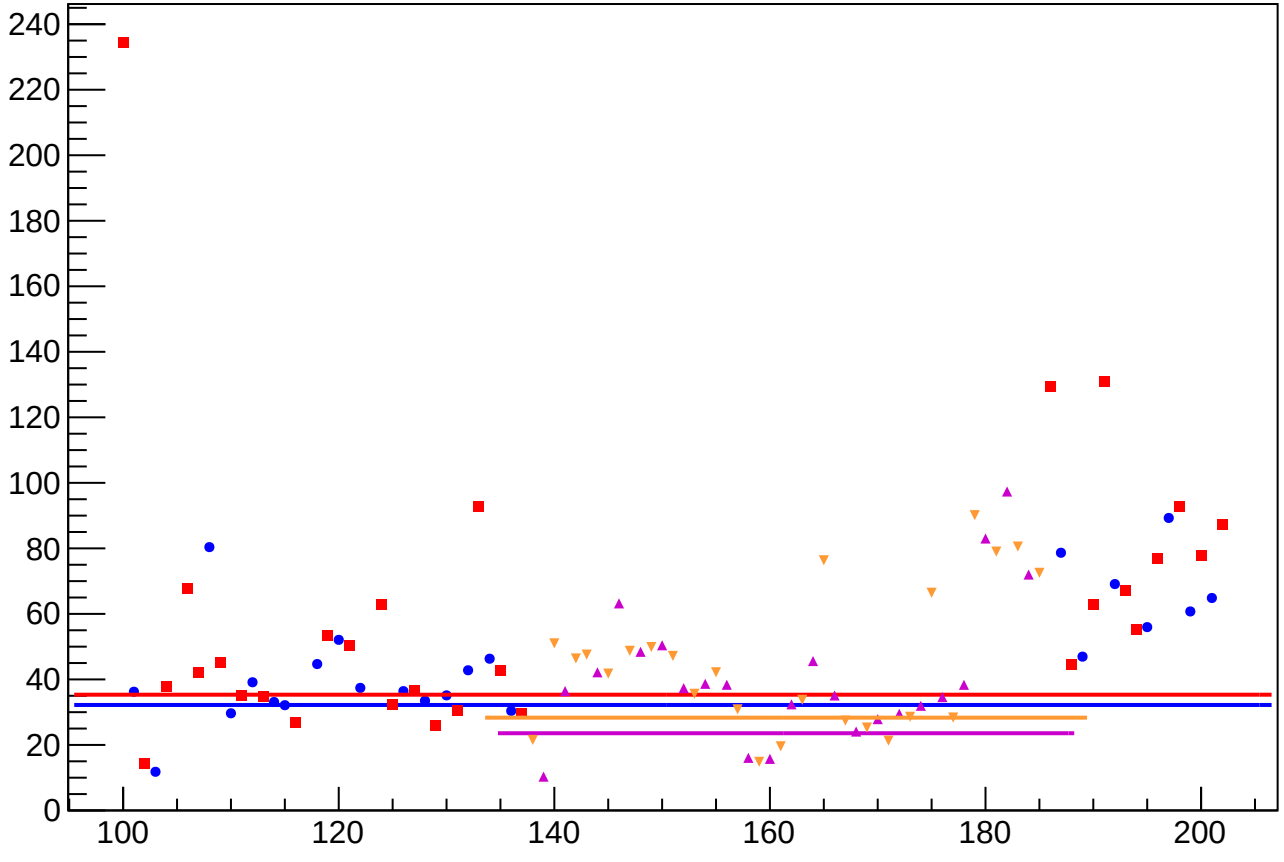
Right: -0.014+/-0.008 χ^2/NDF: 49.6/51

In: -0.000+/-0.006 χ^2/NDF:50.6/45

Out: -0.004+/-0.006 χ^2/NDF:75.6/53

All: -0.002+/-0.004 χ^2/NDF: 126.4/99

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.201+/-0.008 χ^2/NDF: 5183136.9/22

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 35.333+/-0.008 χ^2/NDF: 6290986.3/28

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

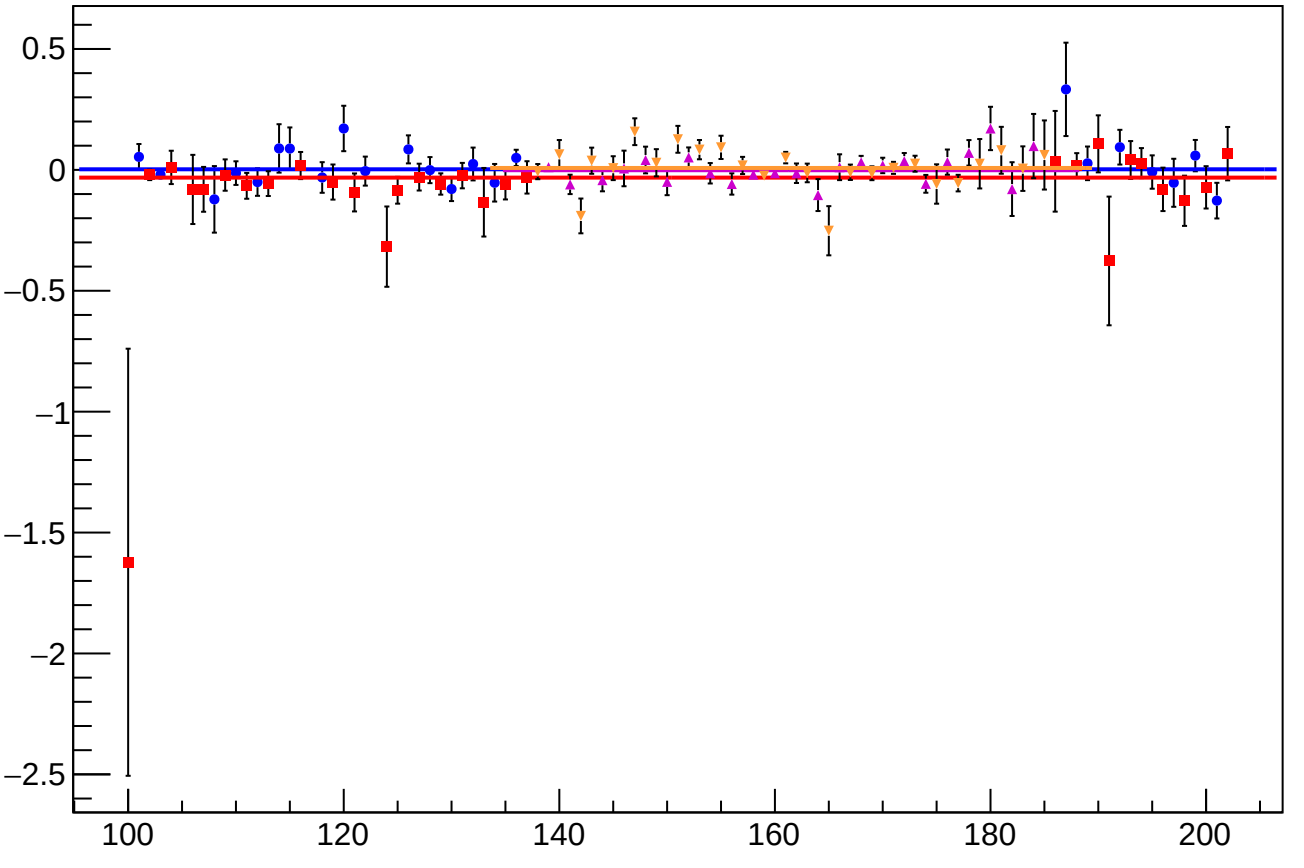
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 33.723+/-0.006 χ^2/NDF: 11551012.7/51

In: 25.920+/-0.004 χ^2/NDF:14321621.8/45

Out: 30.458+/-0.004 χ^2/NDF:13600146.2/53

All: 27.998+/-0.003 χ^2/NDF: 28480935.2/99



Right In: 0.002+/-0.011 χ^2/NDF: 25.4/22

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/28

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

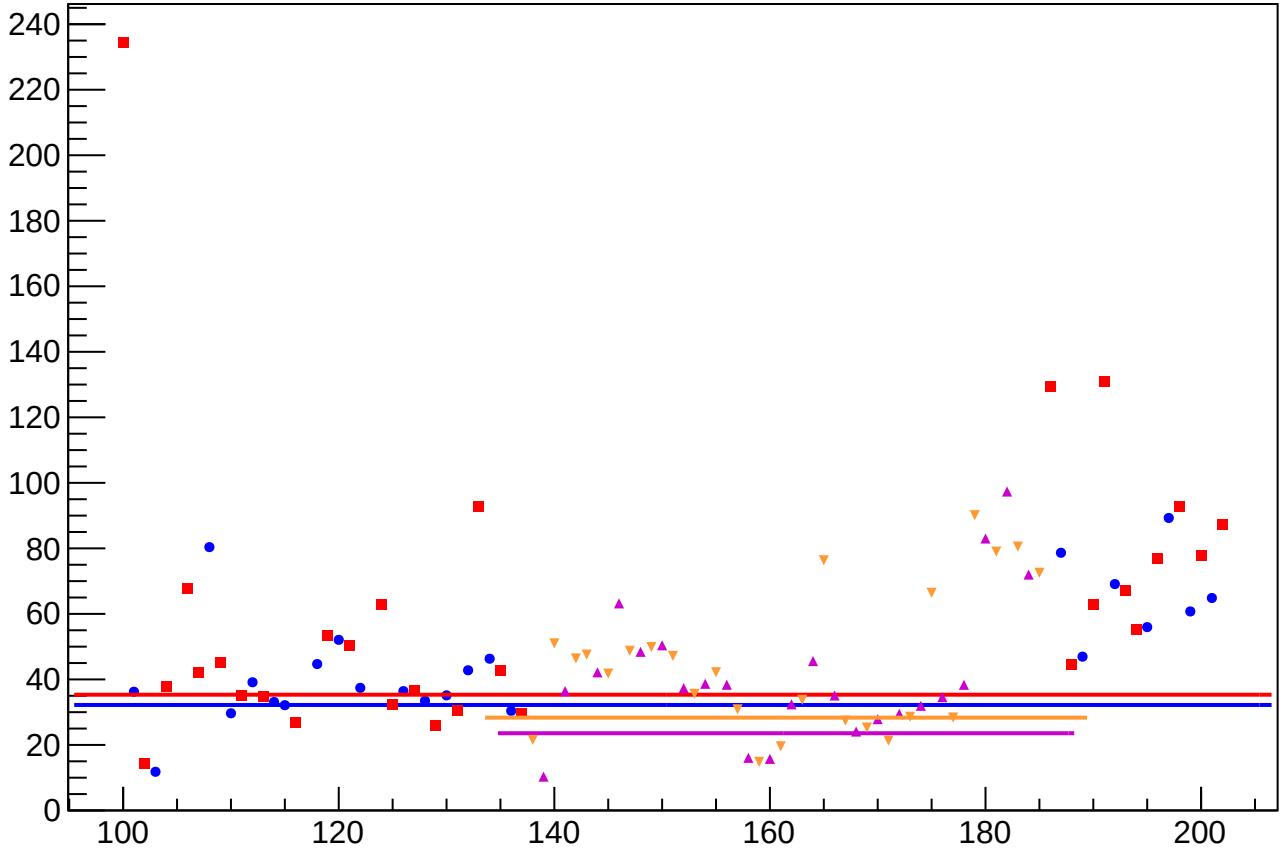
Right: -0.014+/-0.008 χ^2/NDF: 49.6/51

In: -0.000+/-0.006 χ^2/NDF:50.6/45

Out: -0.004+/-0.006 χ^2/NDF:75.6/53

All: -0.002+/-0.004 χ^2/NDF: 126.4/99

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.201+/-0.008 χ^2/NDF: 5183136.9/22

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 35.333+/-0.008 χ^2/NDF: 6290986.3/28

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

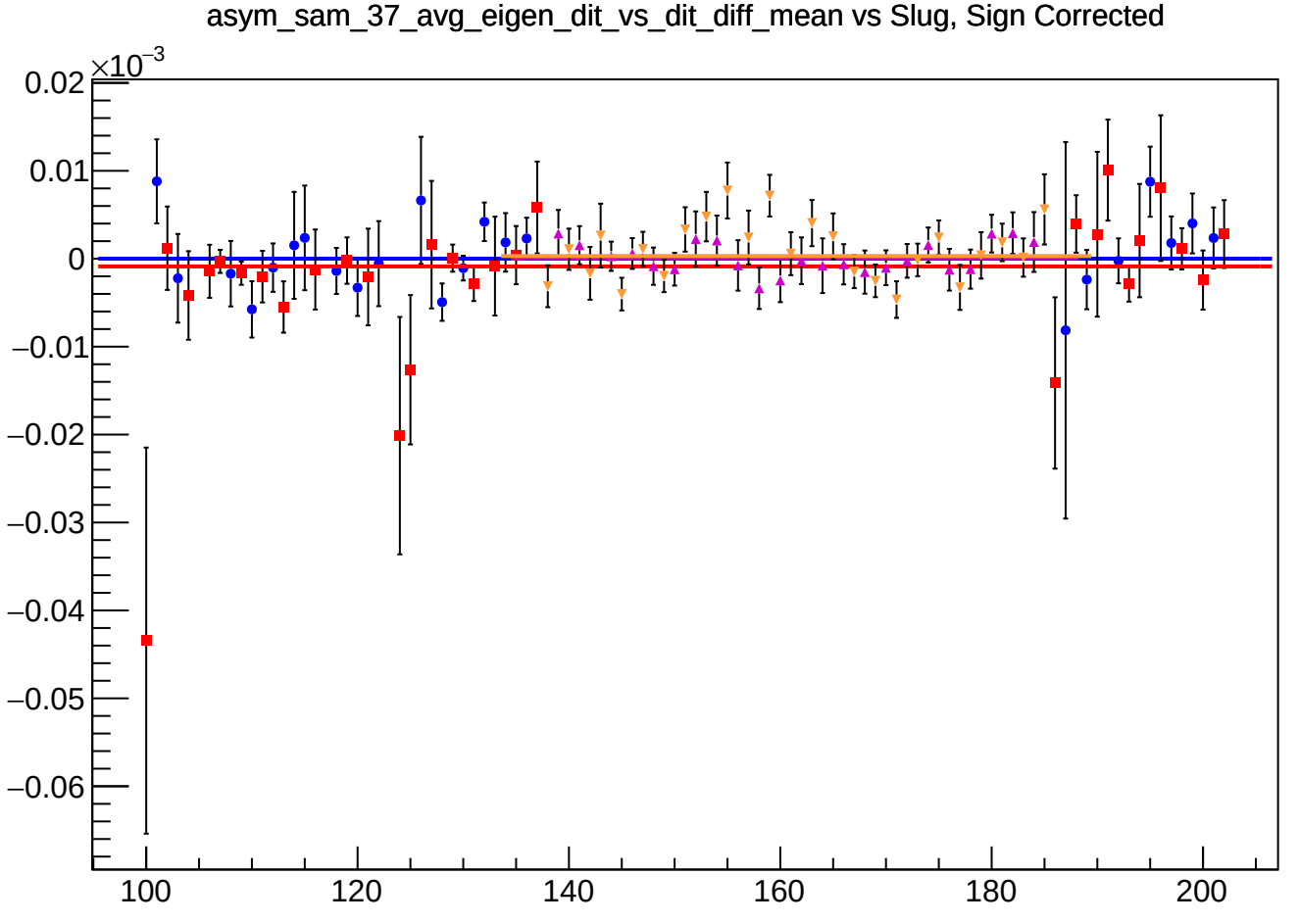
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 33.723+/-0.006 χ^2/NDF: 11551012.7/51

In: 25.920+/-0.004 χ^2/NDF:14321621.8/45

Out: 30.458+/-0.004 χ^2/NDF:13600146.2/53

All: 27.998+/-0.003 χ^2/NDF: 28480935.2/99



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

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/28

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

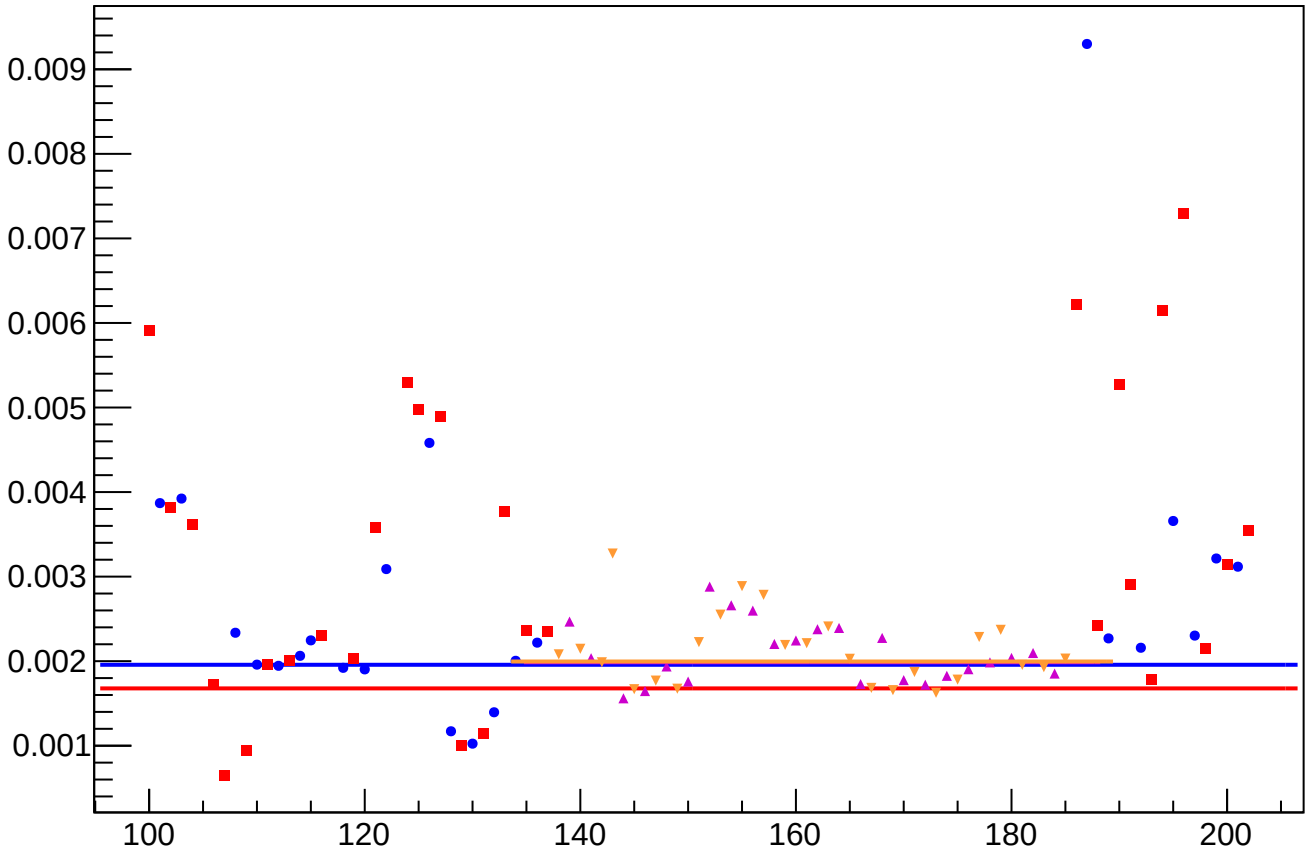
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.2/51

In: 0.000+/-0.000 χ^2/NDF:40.3/45

Out: -0.000+/-0.000 χ^2/NDF:75.3/53

All: -0.000+/-0.000 χ^2/NDF: 115.8/99



Right In: 0.002+/-0.000 χ^2/NDF: 3481404.5/22

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8488656.0/28

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

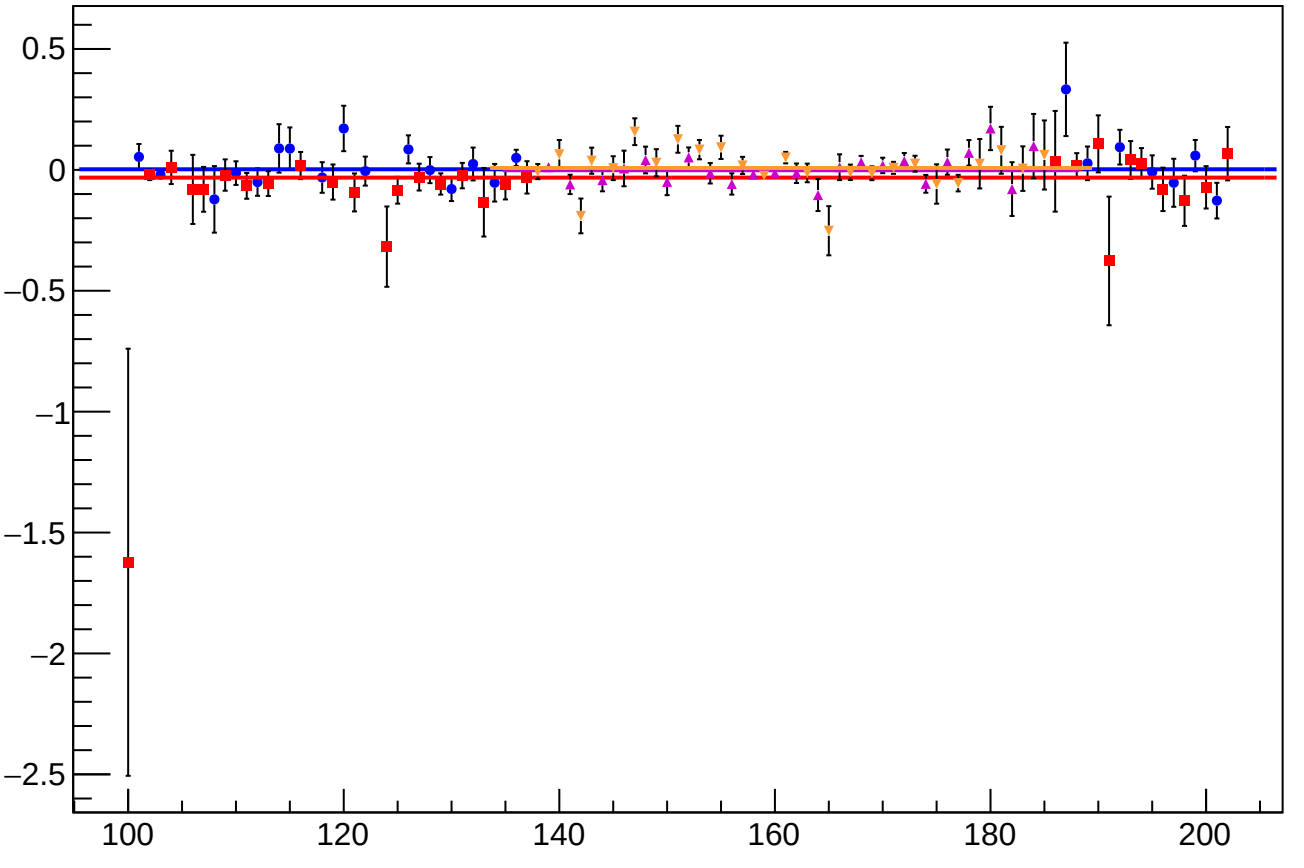
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 12197506.4/51

In: 0.002+/-0.000 χ^2/NDF:4408274.0/45

Out: 0.002+/-0.000 χ^2/NDF:10062482.2/53

All: 0.002+/-0.000 χ^2/NDF: 14570271.3/99



Right In: 0.002+/-0.011 χ^2/NDF: 25.4/22

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/28

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

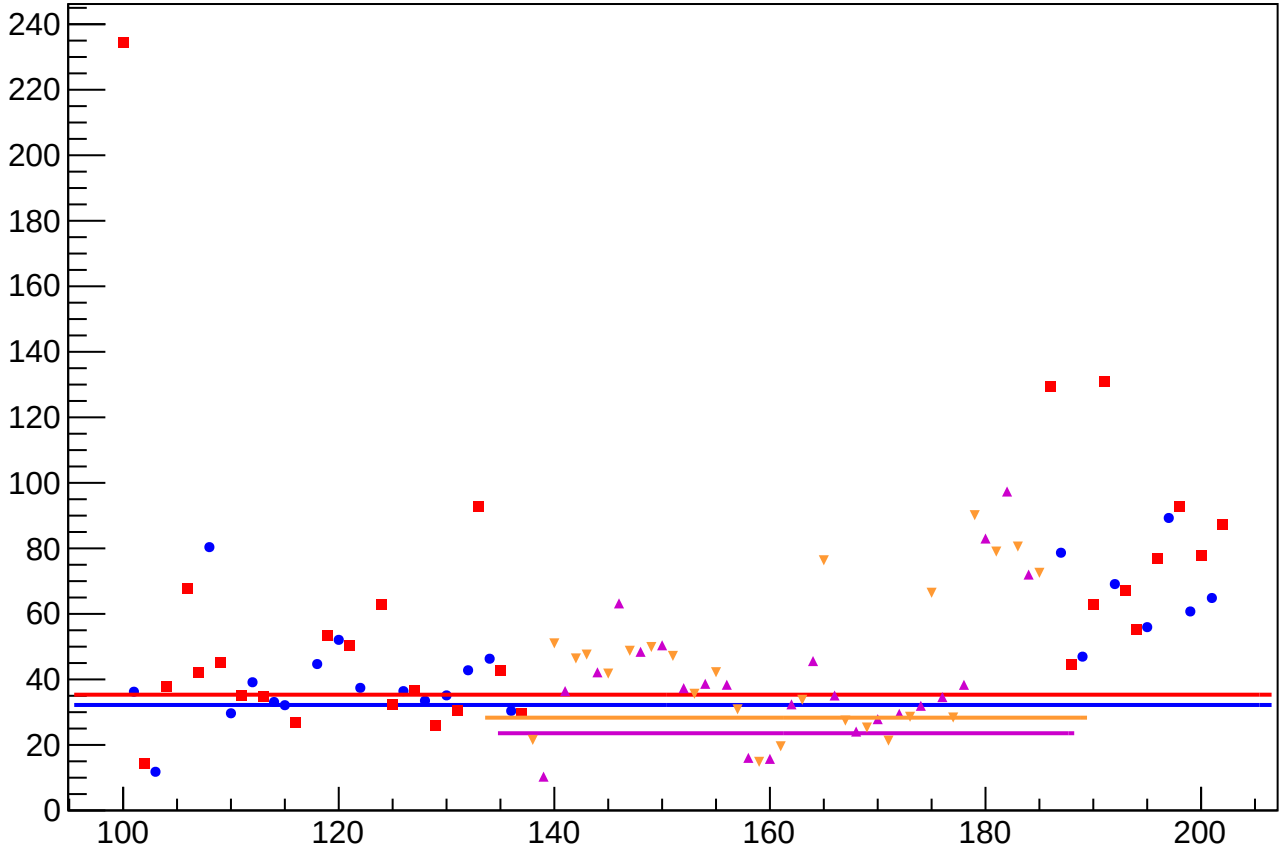
Right: -0.014+/-0.008 χ^2/NDF: 49.6/51

In: -0.000+/-0.006 χ^2/NDF:50.6/45

Out: -0.004+/-0.006 χ^2/NDF:75.6/53

All: -0.002+/-0.004 χ^2/NDF: 126.4/99

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.201+/-0.008 χ^2/NDF: 5183484.3/22

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 35.336+/-0.008 χ^2/NDF: 6289905.2/28

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

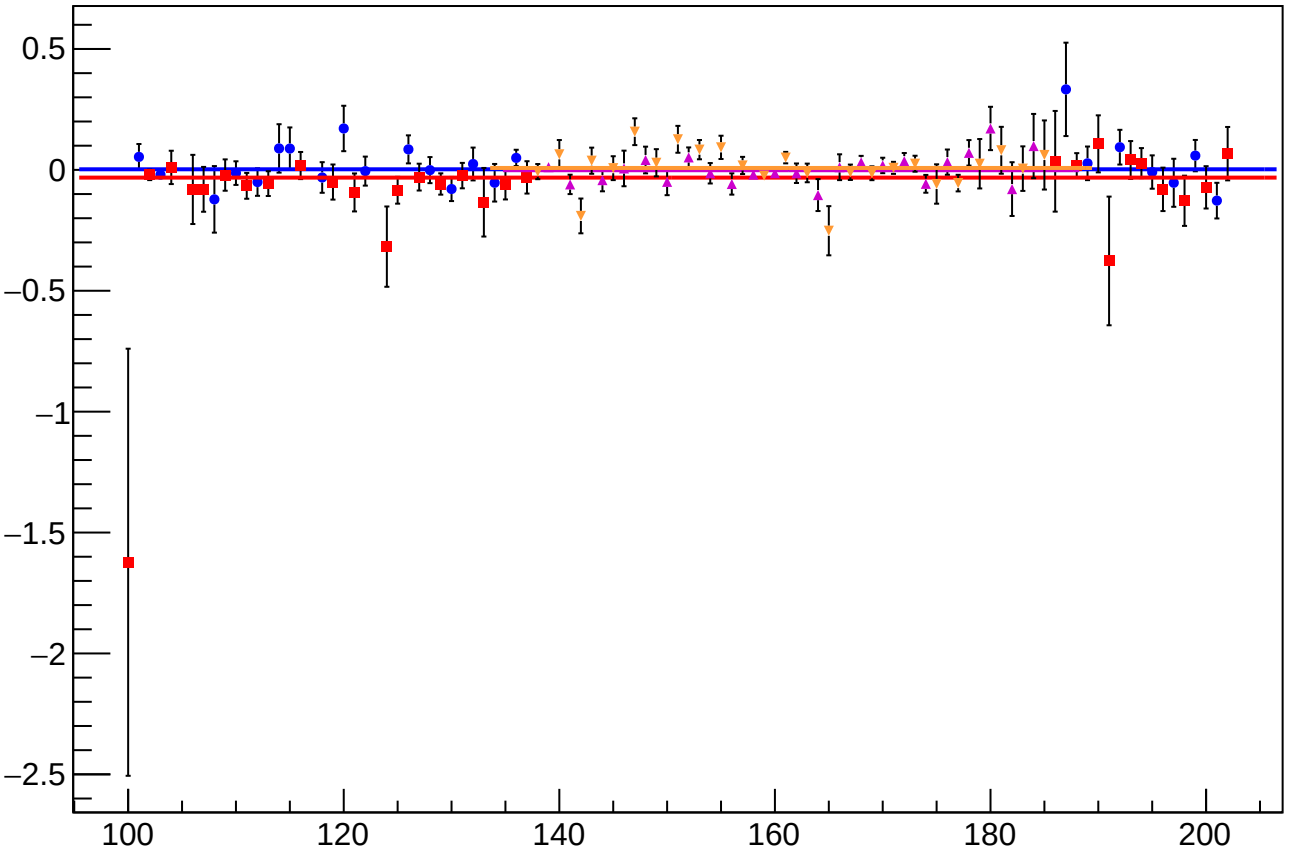
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 33.724+/-0.006 χ^2/NDF: 11550455.0/51

In: 25.919+/-0.004 χ^2/NDF:14323119.6/45

Out: 30.459+/-0.004 χ^2/NDF:13599969.9/53

All: 27.997+/-0.003 χ^2/NDF: 28482646.7/99



Right In: 0.002+/-0.011 χ^2/NDF: 25.4/22

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/28

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

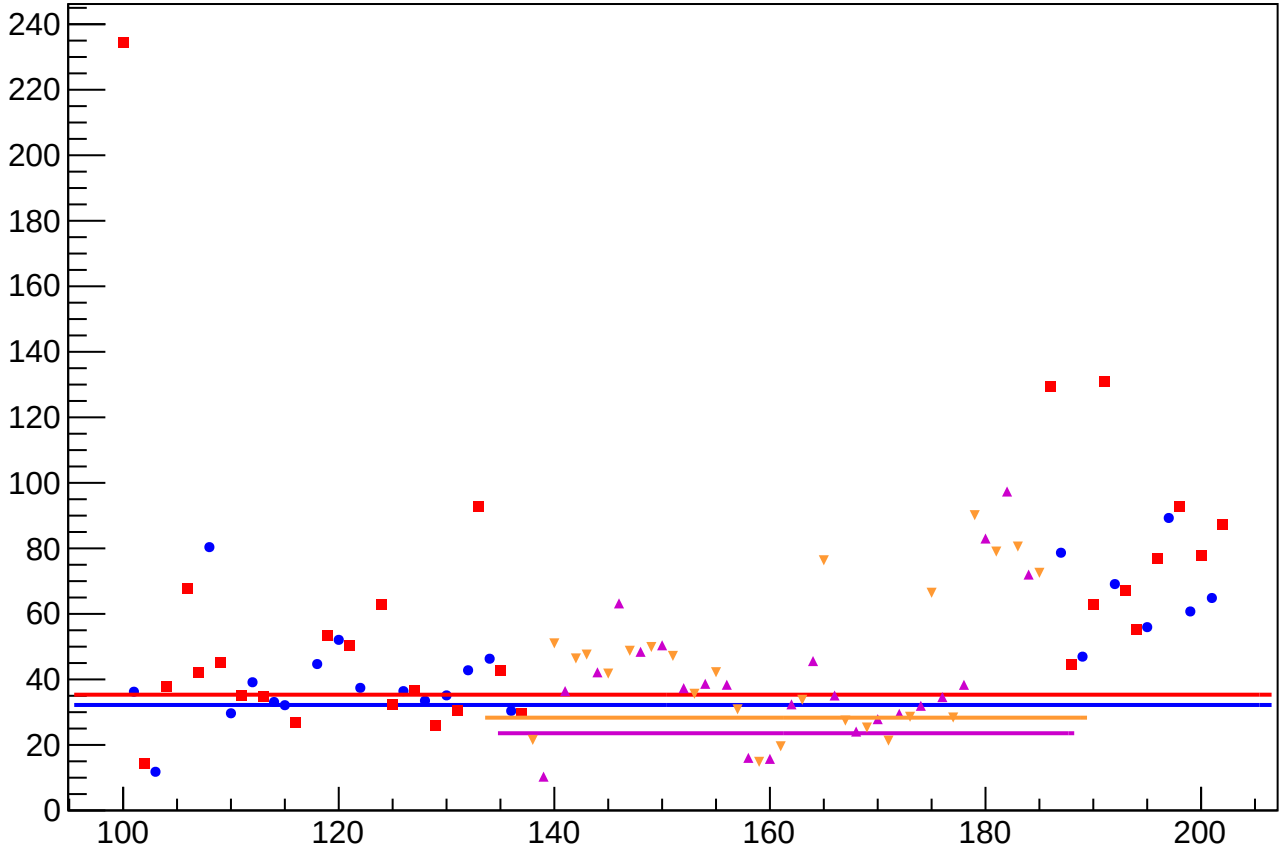
Right: -0.014+/-0.008 χ^2/NDF: 49.6/51

In: -0.000+/-0.006 χ^2/NDF:50.6/45

Out: -0.004+/-0.006 χ^2/NDF:75.6/53

All: -0.002+/-0.004 χ^2/NDF: 126.4/99

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.201+/-0.008 χ^2/NDF: 5183484.3/22

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 35.336+/-0.008 χ^2/NDF: 6289905.2/28

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

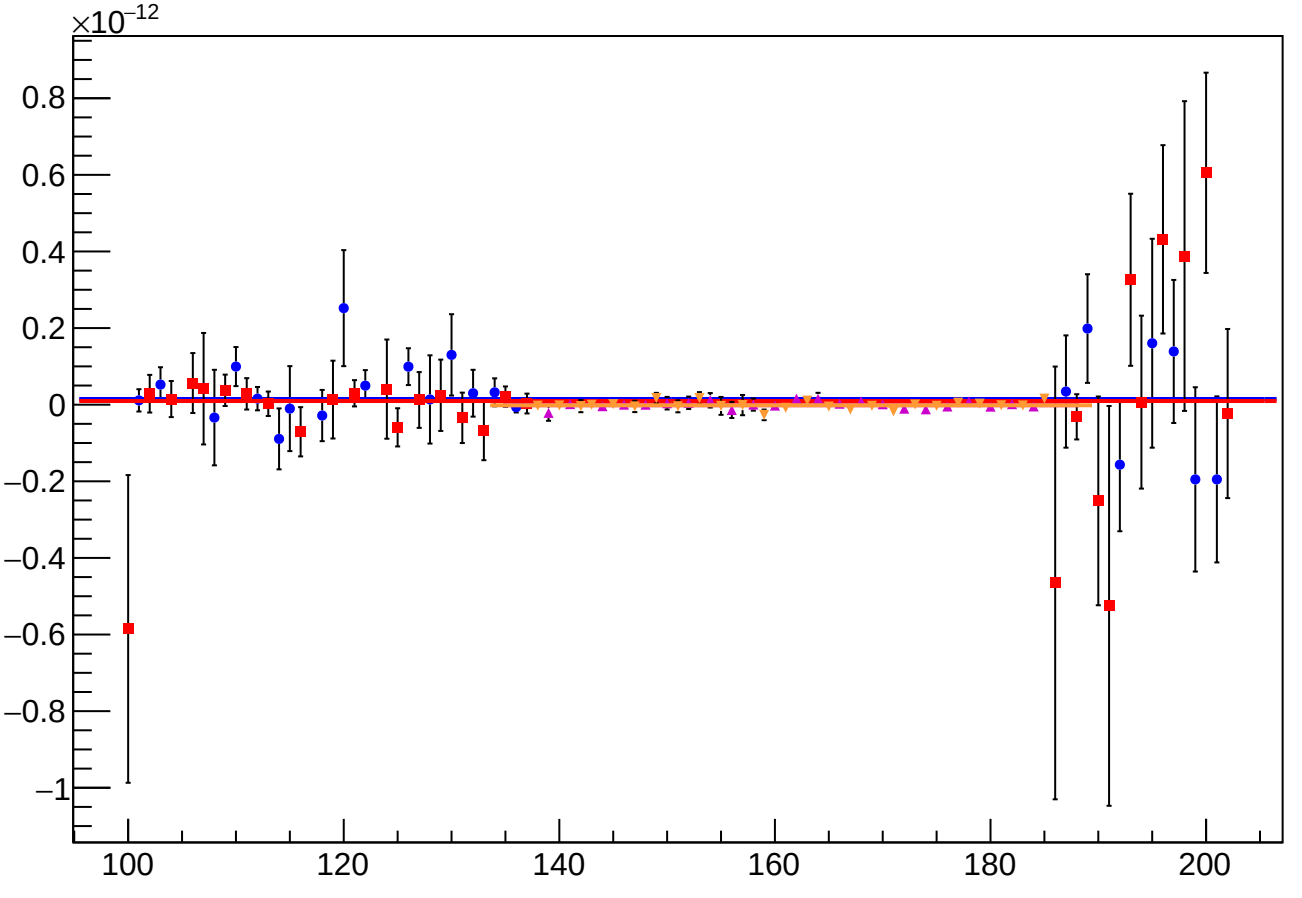
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 33.724+/-0.006 χ^2/NDF: 11550455.0/51

In: 25.919+/-0.004 χ^2/NDF:14323119.6/45

Out: 30.459+/-0.004 χ^2/NDF:13599969.9/53

All: 27.997+/-0.003 χ^2/NDF: 28482646.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/28

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

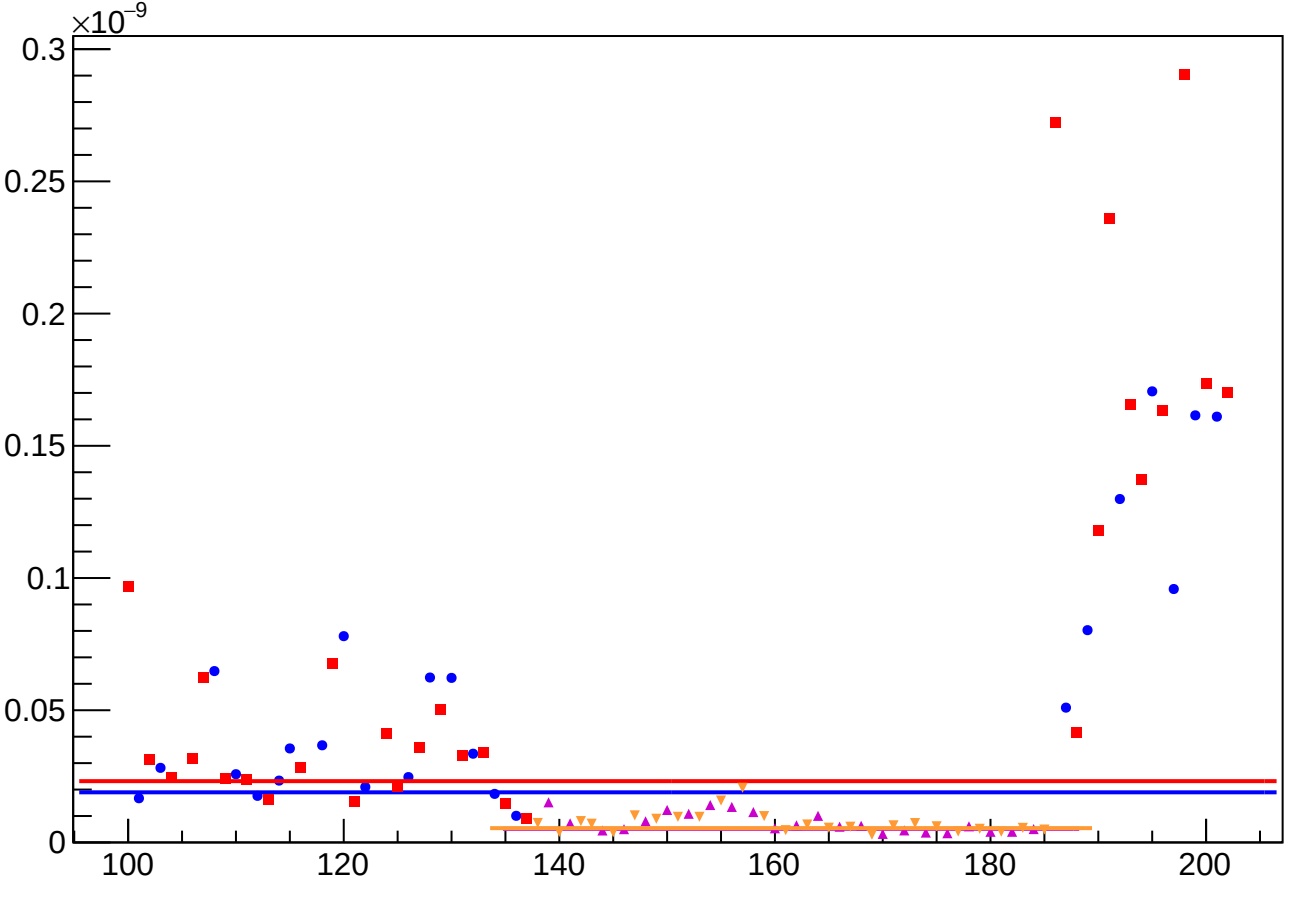
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 44.4/51

In: -0.000+/-0.000 χ^2/NDF:39.9/45

Out: -0.000+/-0.000 χ^2/NDF:41.8/53

All: -0.000+/-0.000 χ^2/NDF: 81.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 6303398.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7593260.9/28

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

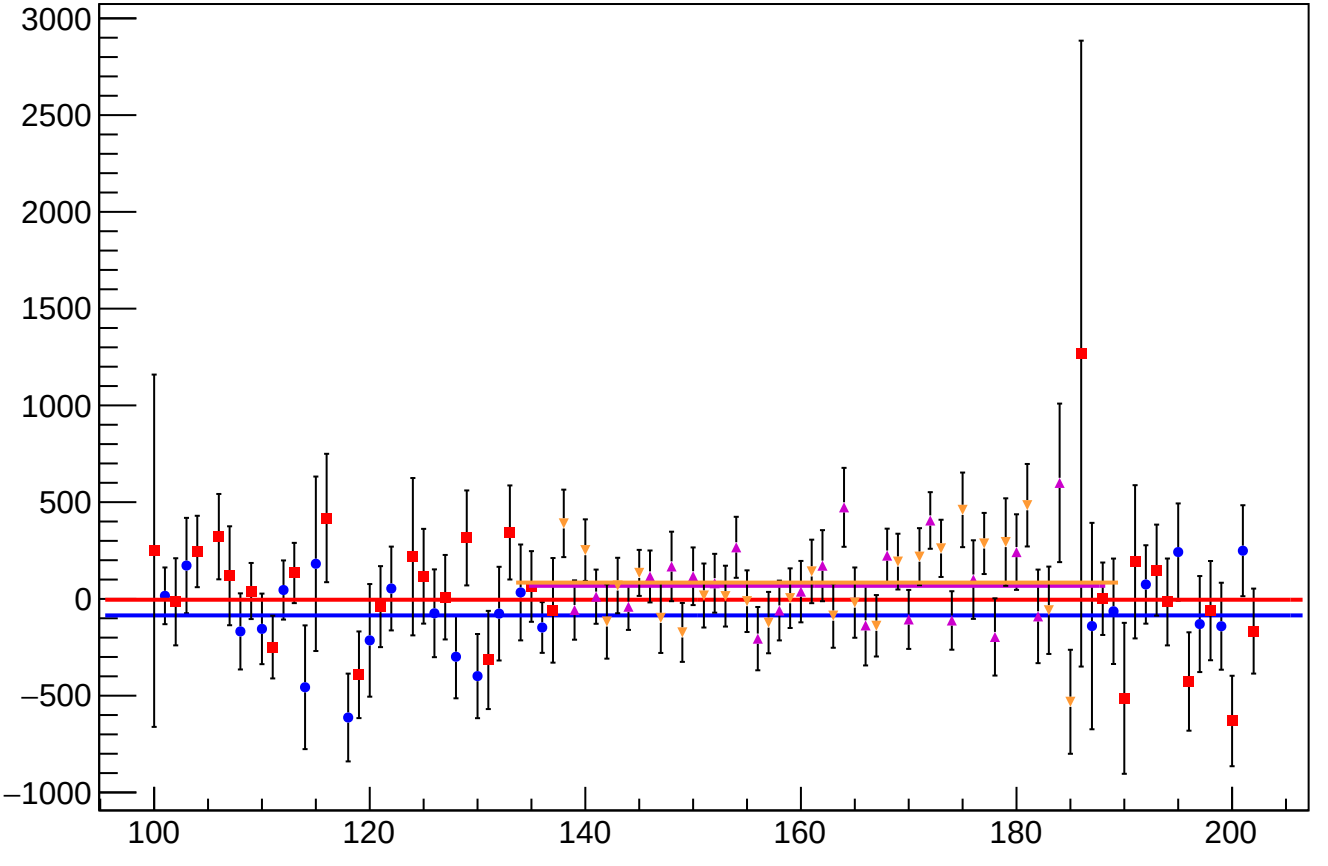
Right: 0.000+/-0.000 χ^2/NDF: 14075687.2/51

In: 0.000+/-0.000 χ^2/NDF:13890608.6/45

Out: 0.000+/-0.000 χ^2/NDF:16153697.9/53

All: 0.000+/-0.000 χ^2/NDF: 30068148.3/99

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -85.185+/-44.980 χ^2/NDF: 18.3/22

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -4.229+/-42.602 χ^2/NDF: 31.7/28

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

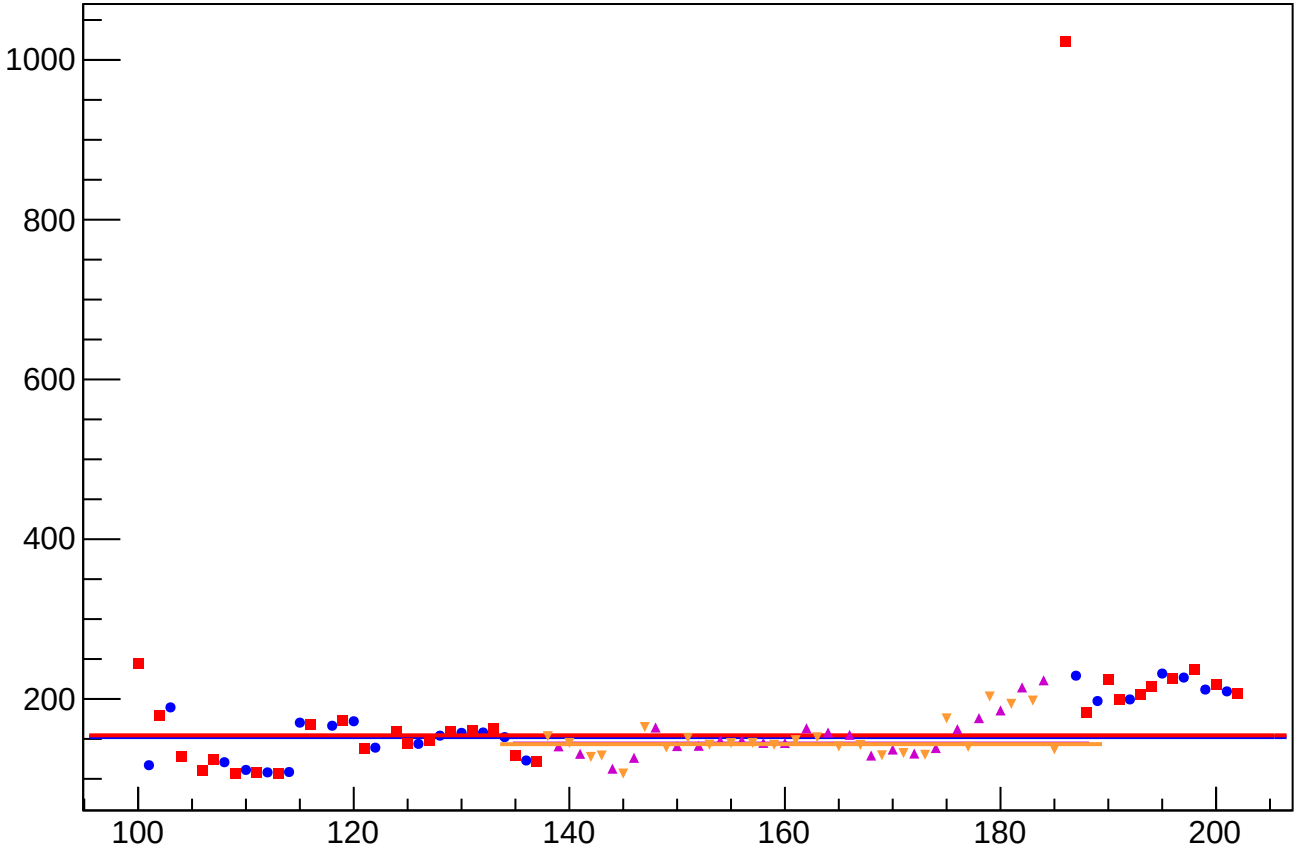
Right: -42.510+/-30.931 χ^2/NDF: 51.7/51

In: 11.790+/-27.192 χ^2/NDF:52.2/45

Out: 51.071+/-26.106 χ^2/NDF:68.2/53

All: 32.231+/-18.832 χ^2/NDF: 121.4/99

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 152.294+/-0.032 χ^2/NDF: 1495785.5/22

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.477+/-0.030 χ^2/NDF: 2441947.6/28

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

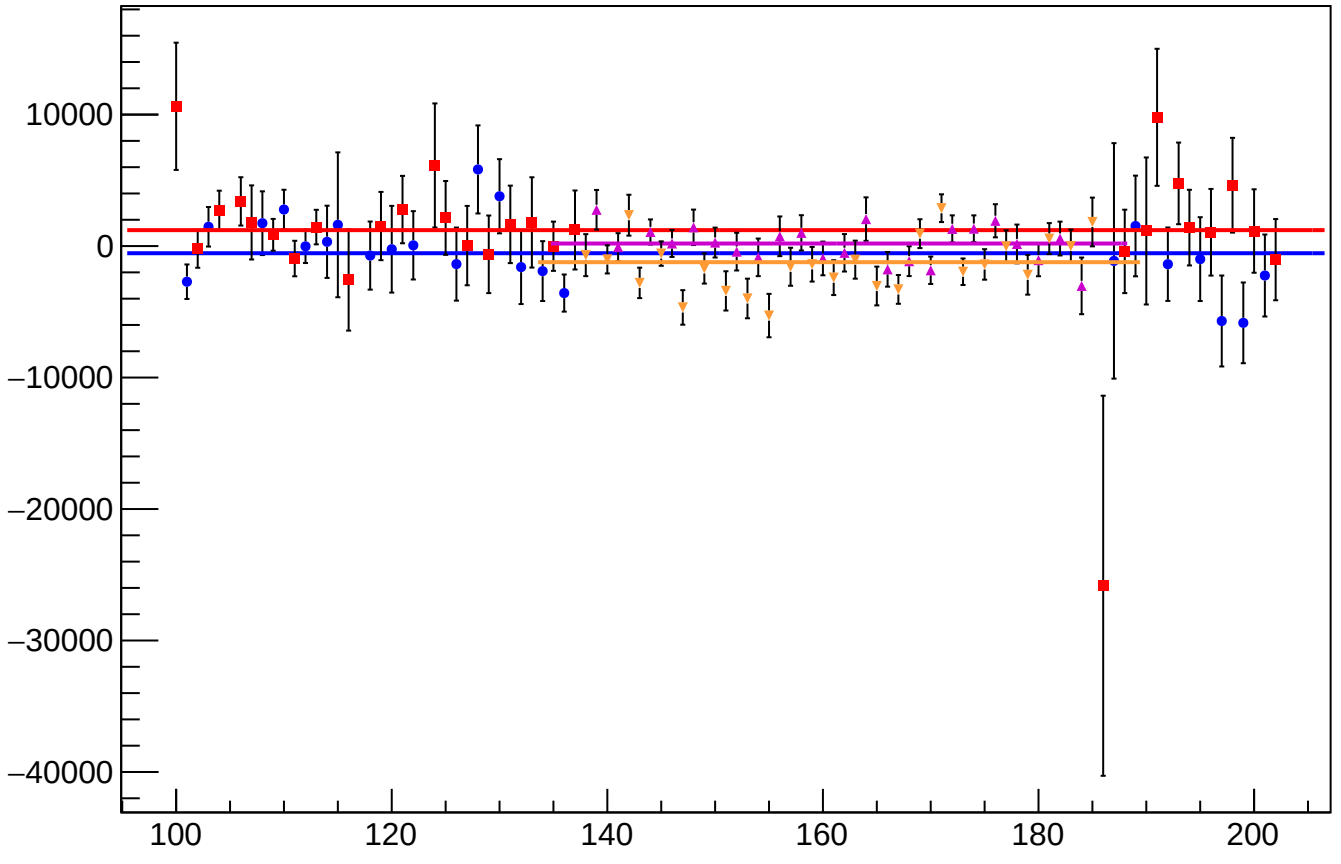
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.445+/-0.022 χ^2/NDF: 3940217.7/51

In: 147.139+/-0.019 χ^2/NDF:2239887.6/45

Out: 147.587+/-0.018 χ^2/NDF:3272766.4/53

All: 147.372+/-0.013 χ^2/NDF: 5512935.9/99



Right In: -544.129+/-467.400 χ^2/NDF: 27.9/22

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1211.917+/-433.206 χ^2/NDF: 22.7/28

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

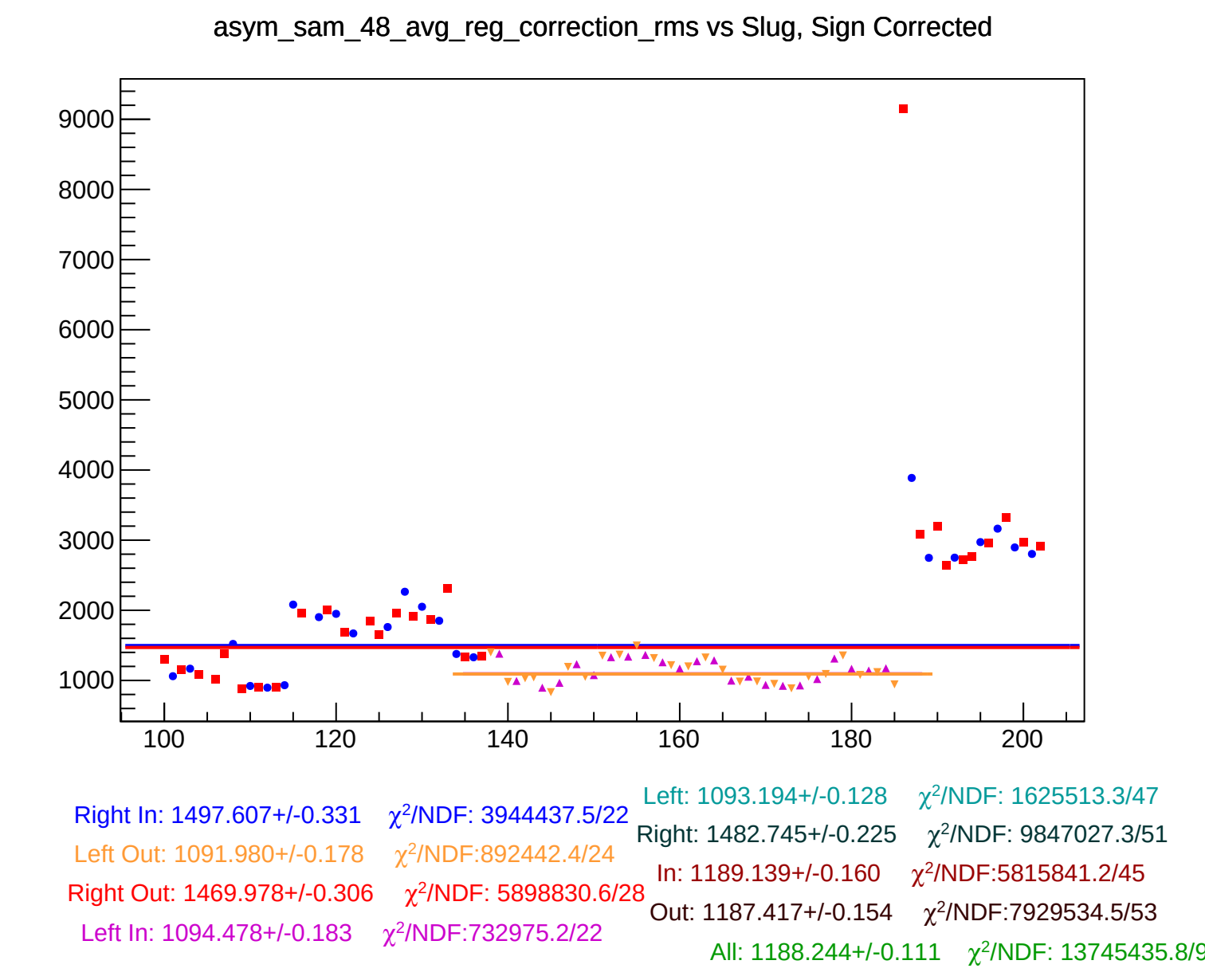
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 400.471+/-317.724 χ^2/NDF: 58.1/51

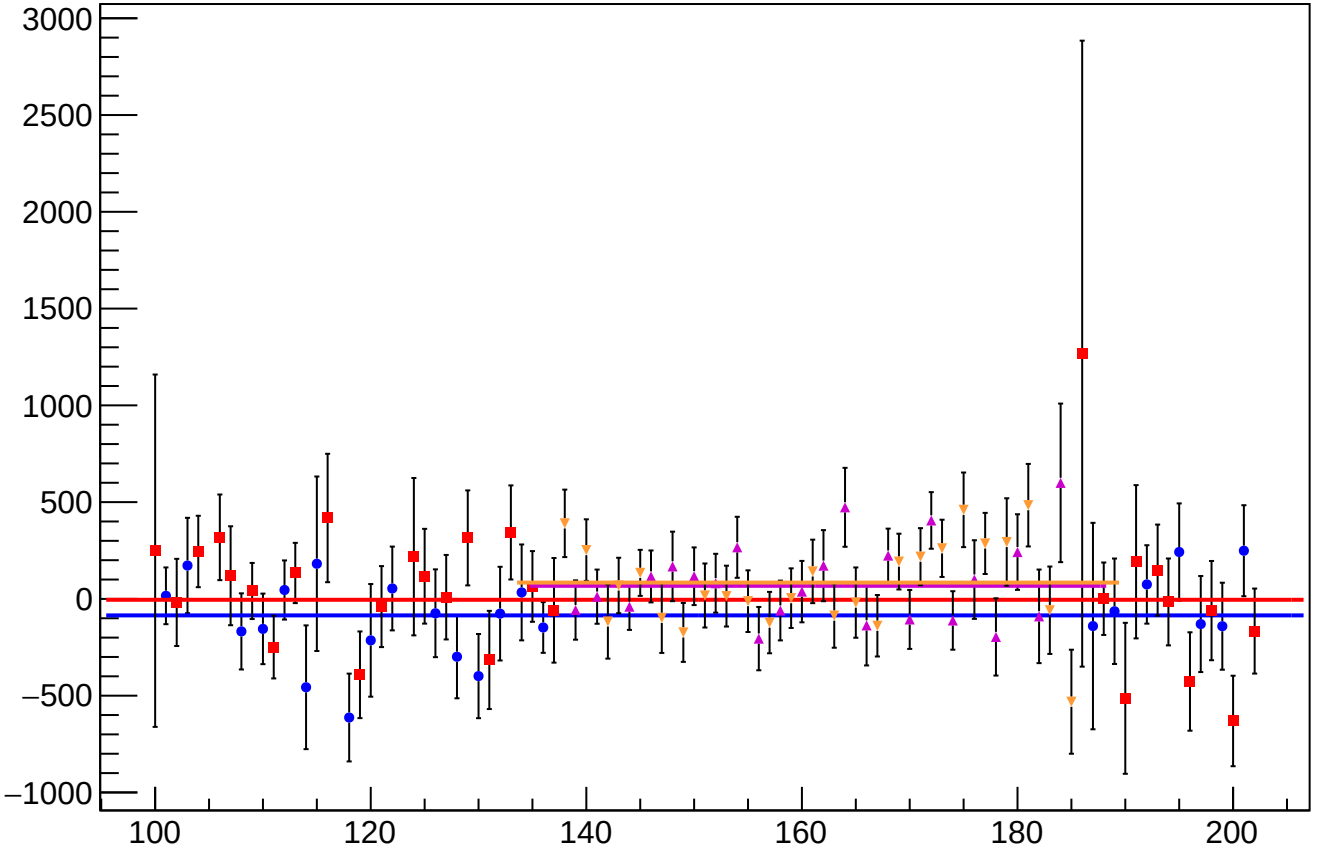
In: 20.527+/-226.491 χ^2/NDF:53.1/45

Out: -609.758+/-217.676 χ^2/NDF:105.6/53

All: -307.120+/-156.944 χ^2/NDF: 162.7/99


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1497.607+/-0.331 χ²/NDF: 3944437.5/22
Left Out: 1091.980+/-0.178 χ²/NDF:892442.4/24
Right Out: 1469.978+/-0.306 χ²/NDF: 5898830.6/28
Left In: 1094.478+/-0.183 χ²/NDF:732975.2/22
Left: 1093.194+/-0.128 χ²/NDF: 1625513.3/47
Right: 1482.745+/-0.225 χ²/NDF: 9847027.3/51
In: 1189.139+/-0.160 χ²/NDF:5815841.2/45
Out: 1187.417+/-0.154 χ²/NDF:7929534.5/53
All: 1188.244+/-0.111 χ²/NDF: 13745435.8/9

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -85.194+/-44.980 χ^2/NDF: 18.3/22

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -4.556+/-42.608 χ^2/NDF: 31.6/28

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

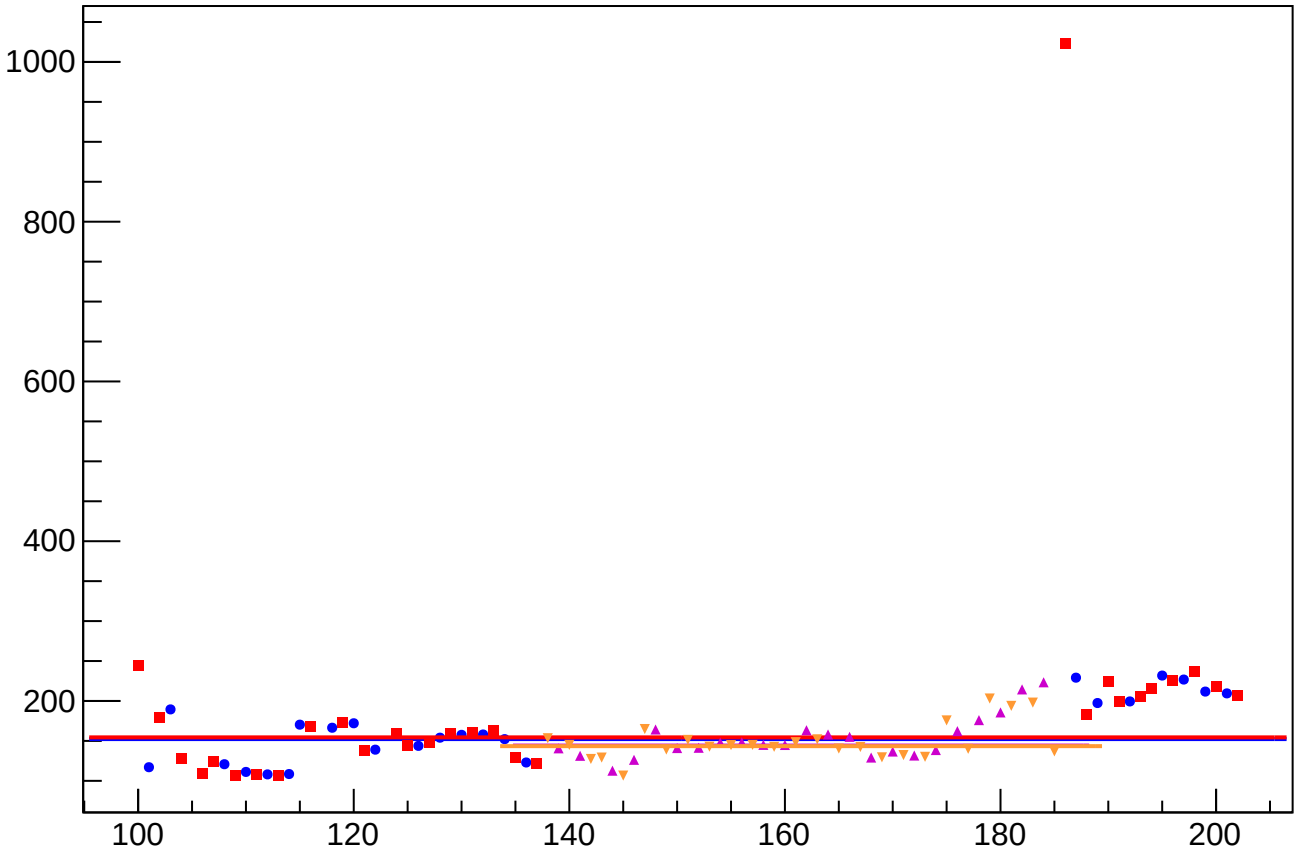
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -42.692+/-30.933 χ^2/NDF: 51.6/51

In: 11.788+/-27.192 χ^2/NDF:52.2/45

Out: 50.963+/-26.107 χ^2/NDF:68.1/53

All: 32.173+/-18.833 χ^2/NDF: 121.4/99



Right In: 152.294+/-0.032 χ^2/NDF: 1495787.8/22

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.430+/-0.030 χ^2/NDF: 2447440.8/28

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

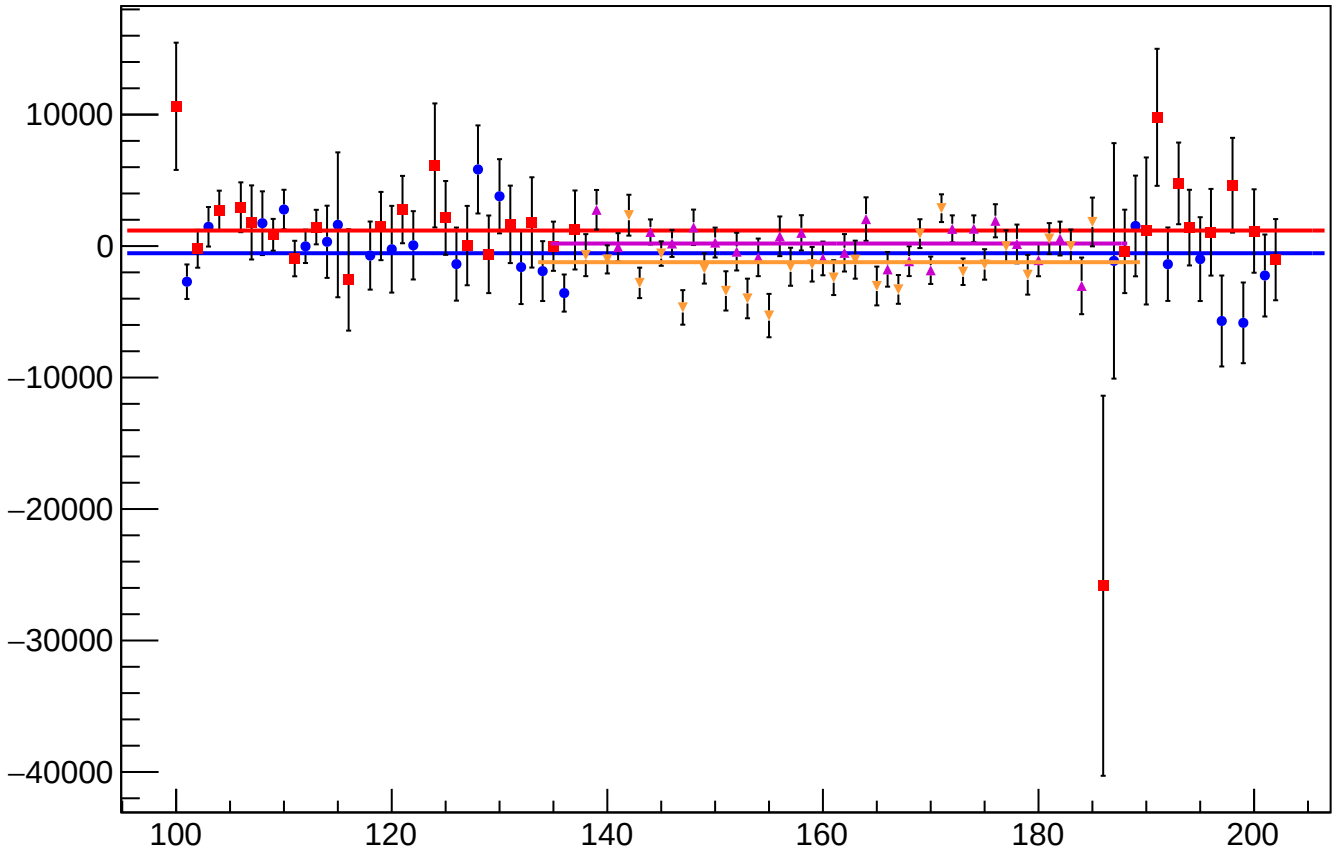
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.420+/-0.022 χ^2/NDF: 3945607.0/51

In: 147.139+/-0.019 χ^2/NDF:2239890.2/45

Out: 147.568+/-0.018 χ^2/NDF:3277533.4/53

All: 147.363+/-0.013 χ^2/NDF: 5517682.9/99



Right In: -544.193+/-467.404 χ^2/NDF: 27.9/22

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1182.031+/-433.937 χ^2/NDF: 22.1/28

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

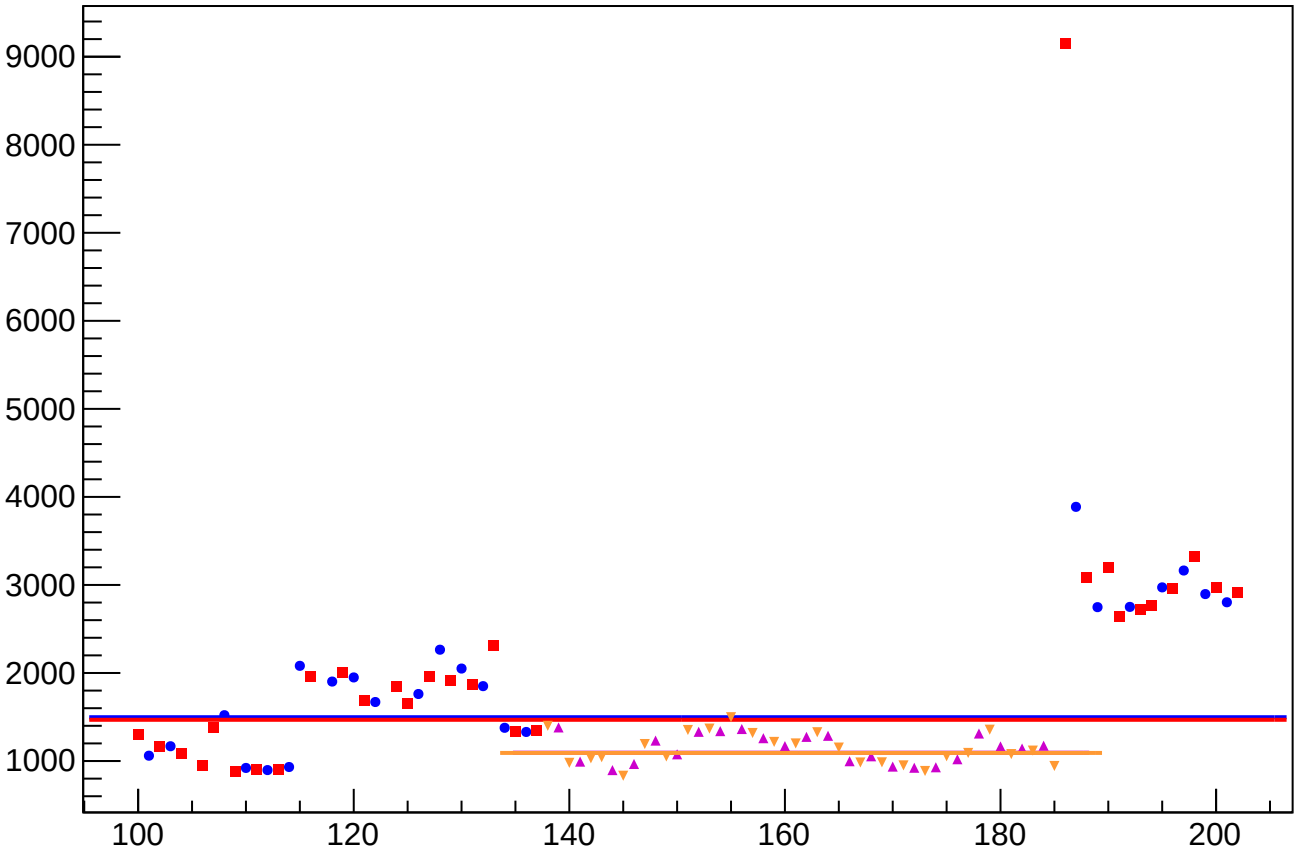
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 382.927+/-318.013 χ^2/NDF: 57.3/51

In: 20.517+/-226.492 χ^2/NDF:53.1/45

Out: -618.821+/-217.768 χ^2/NDF:104.4/53

All: -311.701+/-156.979 χ^2/NDF: 161.6/99



Right In: 1497.622+/-0.331 χ^2/NDF: 3944360.7/22

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1468.306+/-0.307 χ^2/NDF: 5924599.4/28

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

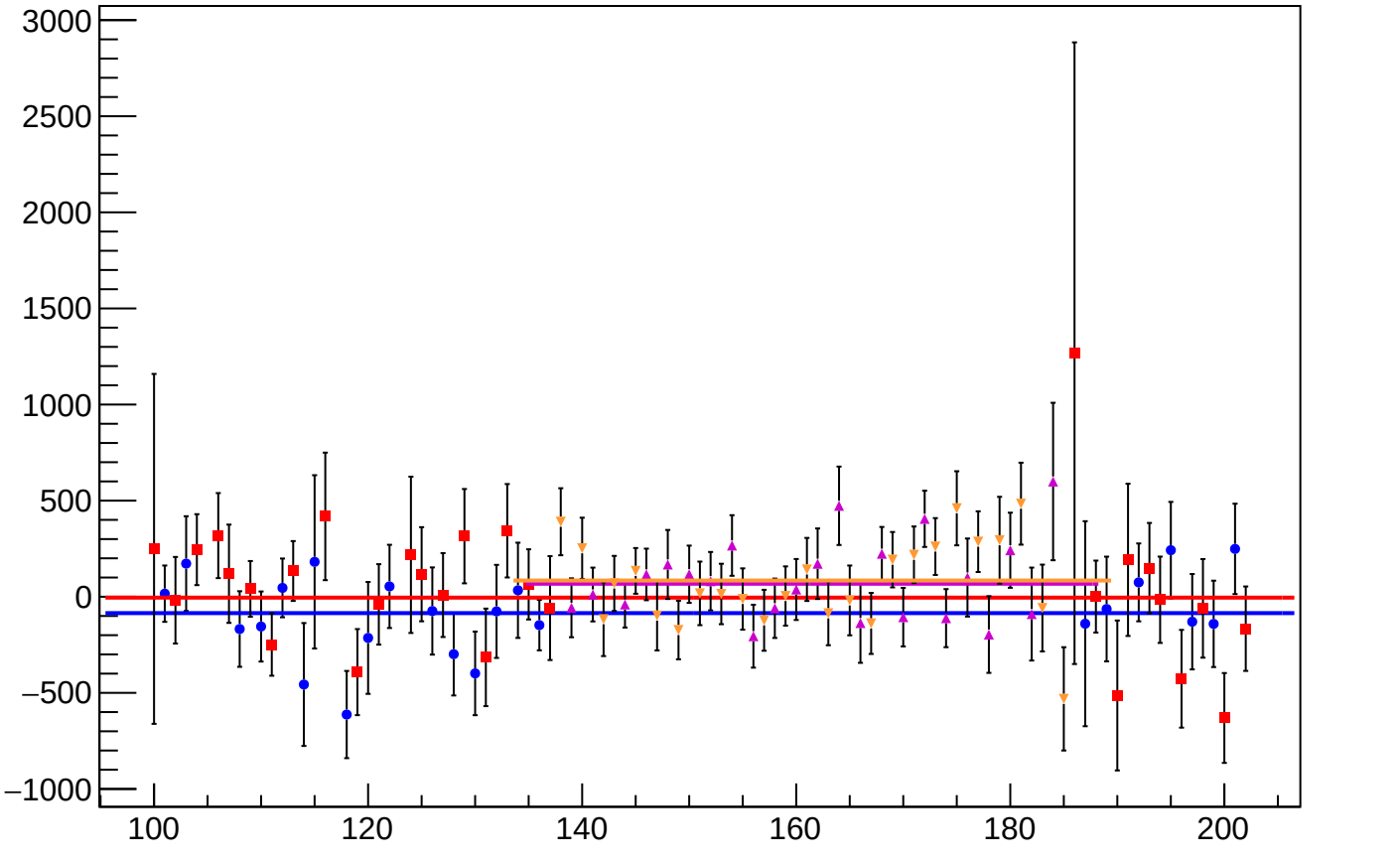
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1481.877+/-0.225 χ^2/NDF: 9873185.9/51

In: 1189.142+/-0.160 χ^2/NDF:5815835.9/45

Out: 1186.756+/-0.154 χ^2/NDF:7942416.5/53

All: 1187.902+/-0.111 χ^2/NDF: 13758367.7/9



Right In: -85.194+/-44.980 χ^2/NDF: 18.3/22

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -4.556+/-42.608 χ^2/NDF: 31.6/28

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

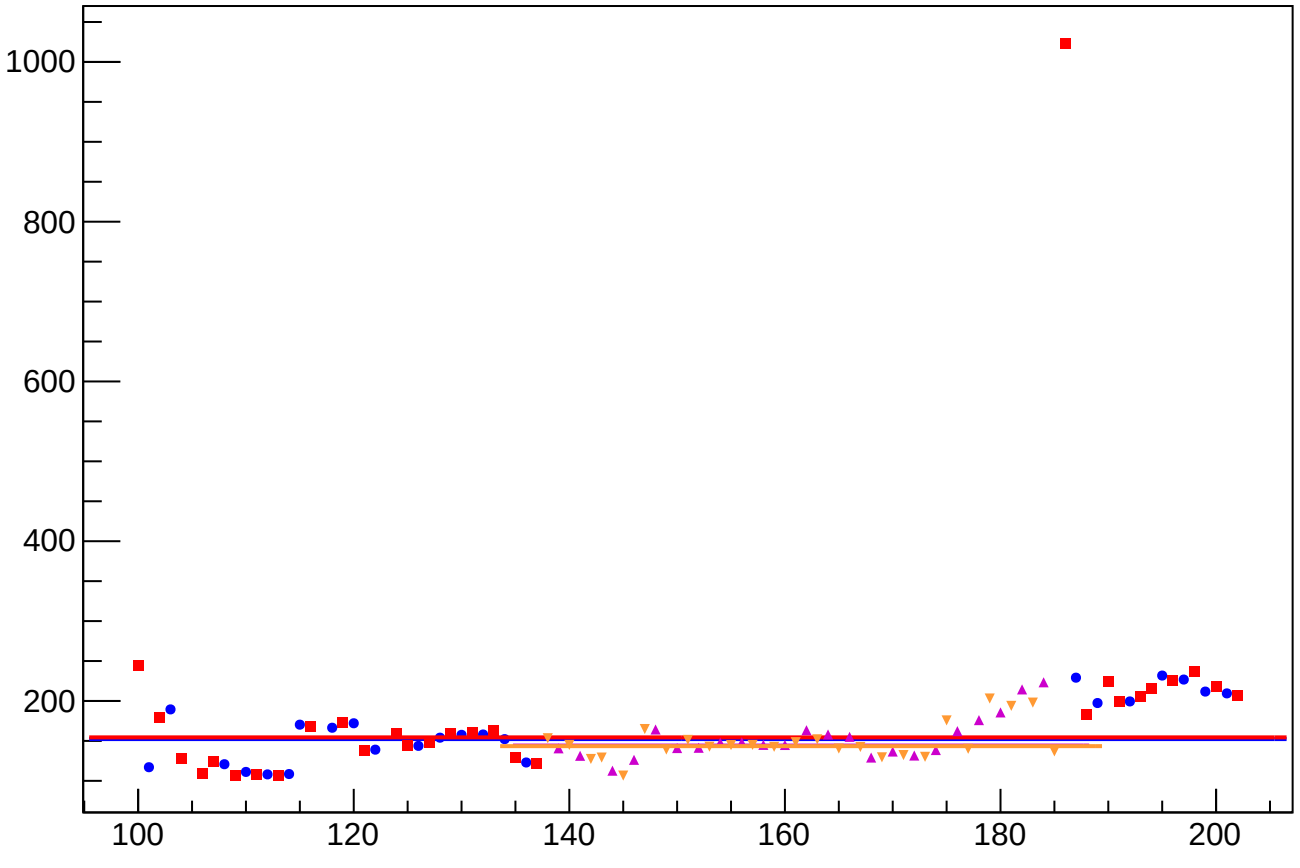
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -42.692+/-30.933 χ^2/NDF: 51.6/51

In: 11.788+/-27.192 χ^2/NDF:52.2/45

Out: 50.963+/-26.107 χ^2/NDF:68.1/53

All: 32.173+/-18.833 χ^2/NDF: 121.4/99



Right In: 152.294+/-0.032 χ^2/NDF: 1495787.8/22

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.430+/-0.030 χ^2/NDF: 2447440.8/28

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

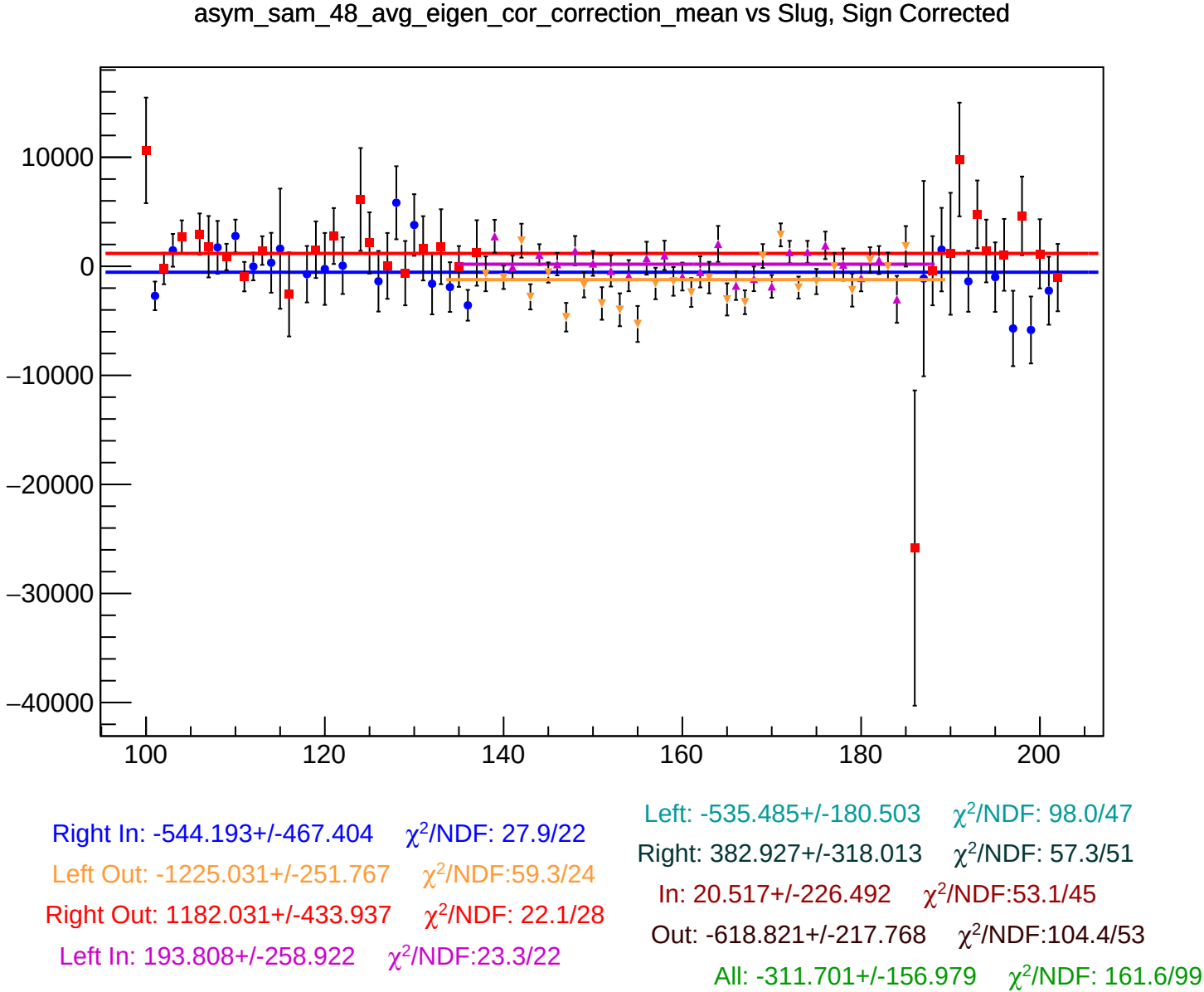
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

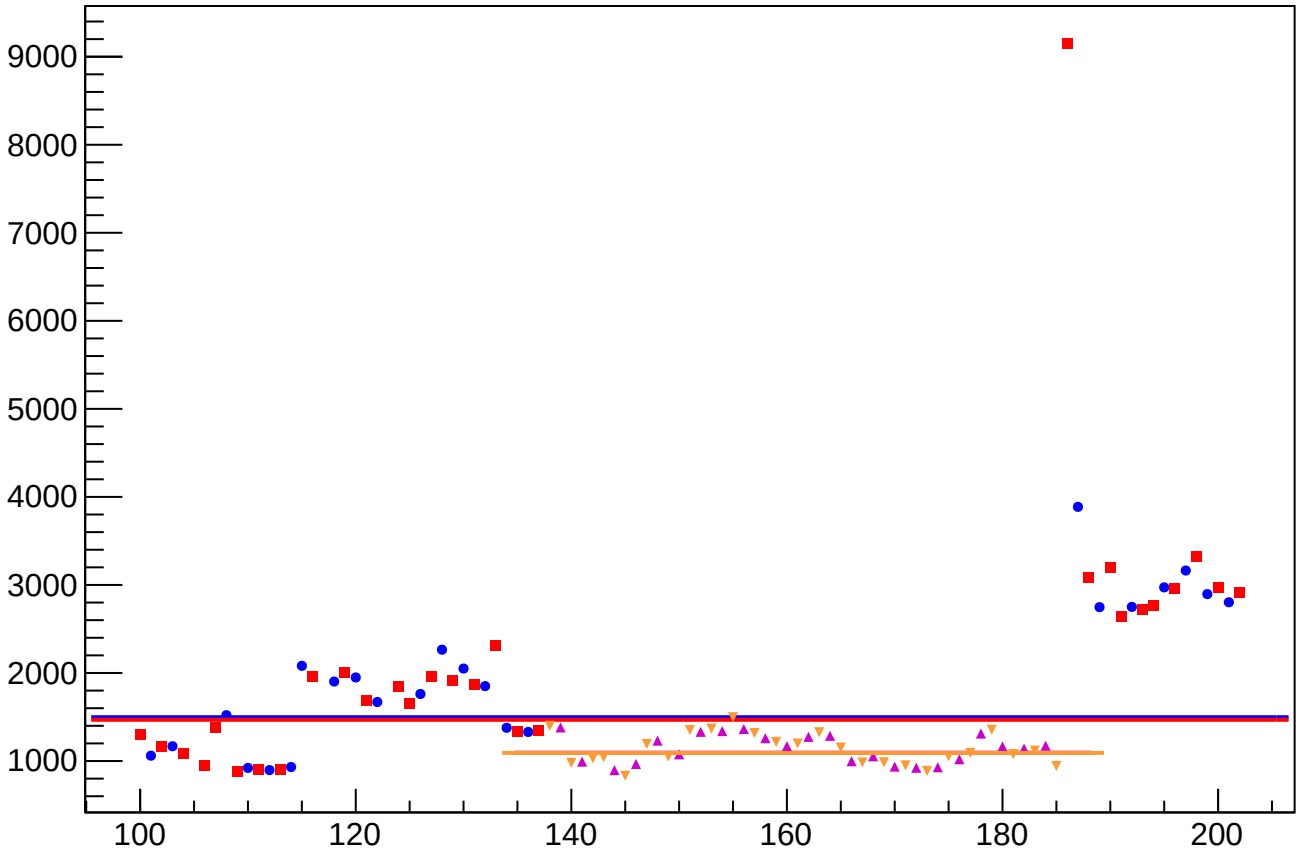
Right: 153.420+/-0.022 χ^2/NDF: 3945607.0/51

In: 147.139+/-0.019 χ^2/NDF:2239890.2/45

Out: 147.568+/-0.018 χ^2/NDF:3277533.4/53

All: 147.363+/-0.013 χ^2/NDF: 5517682.9/99


asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -544.193+/-467.404 χ²/NDF: 27.9/22
Left Out: -1225.031+/-251.767 χ²/NDF:59.3/24
Right Out: 1182.031+/-433.937 χ²/NDF: 22.1/28
Left In: 193.808+/-258.922 χ²/NDF:23.3/22
Left: -535.485+/-180.503 χ²/NDF: 98.0/47
Right: 382.927+/-318.013 χ²/NDF: 57.3/51
In: 20.517+/-226.492 χ²/NDF:53.1/45
Out: -618.821+/-217.768 χ²/NDF:104.4/53
All: -311.701+/-156.979 χ²/NDF: 161.6/99



Right In: 1497.622+/-0.331 χ^2/NDF: 3944360.7/22

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1468.306+/-0.307 χ^2/NDF: 5924599.4/28

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

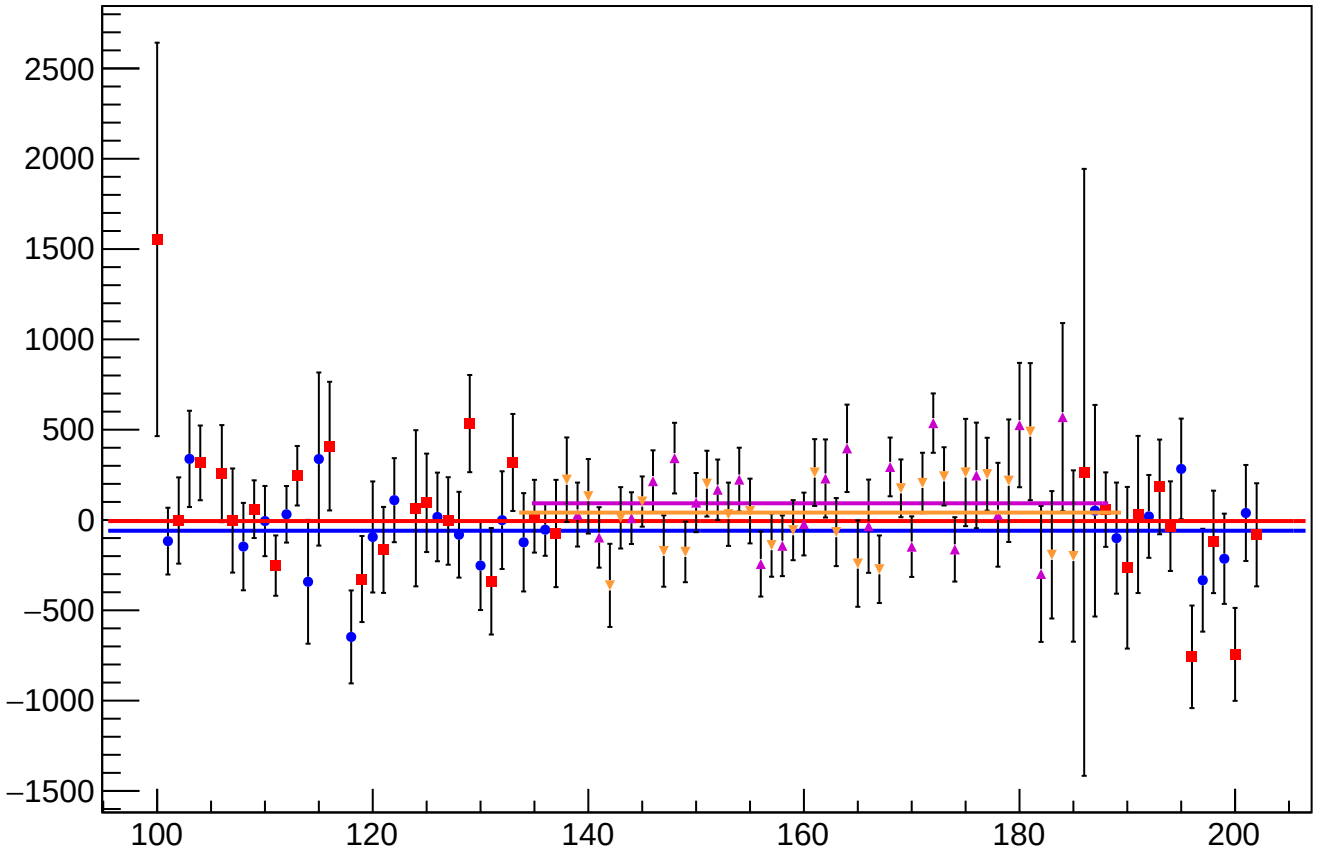
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1481.877+/-0.225 χ^2/NDF: 9873185.9/51

In: 1189.142+/-0.160 χ^2/NDF:5815835.9/45

Out: 1186.756+/-0.154 χ^2/NDF:7942416.5/53

All: 1187.902+/-0.111 χ^2/NDF: 13758367.7/9



Right In: -59.478+/-50.089 χ^2/NDF: 13.9/22

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -5.825+/-47.096 χ^2/NDF: 37.2/28

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

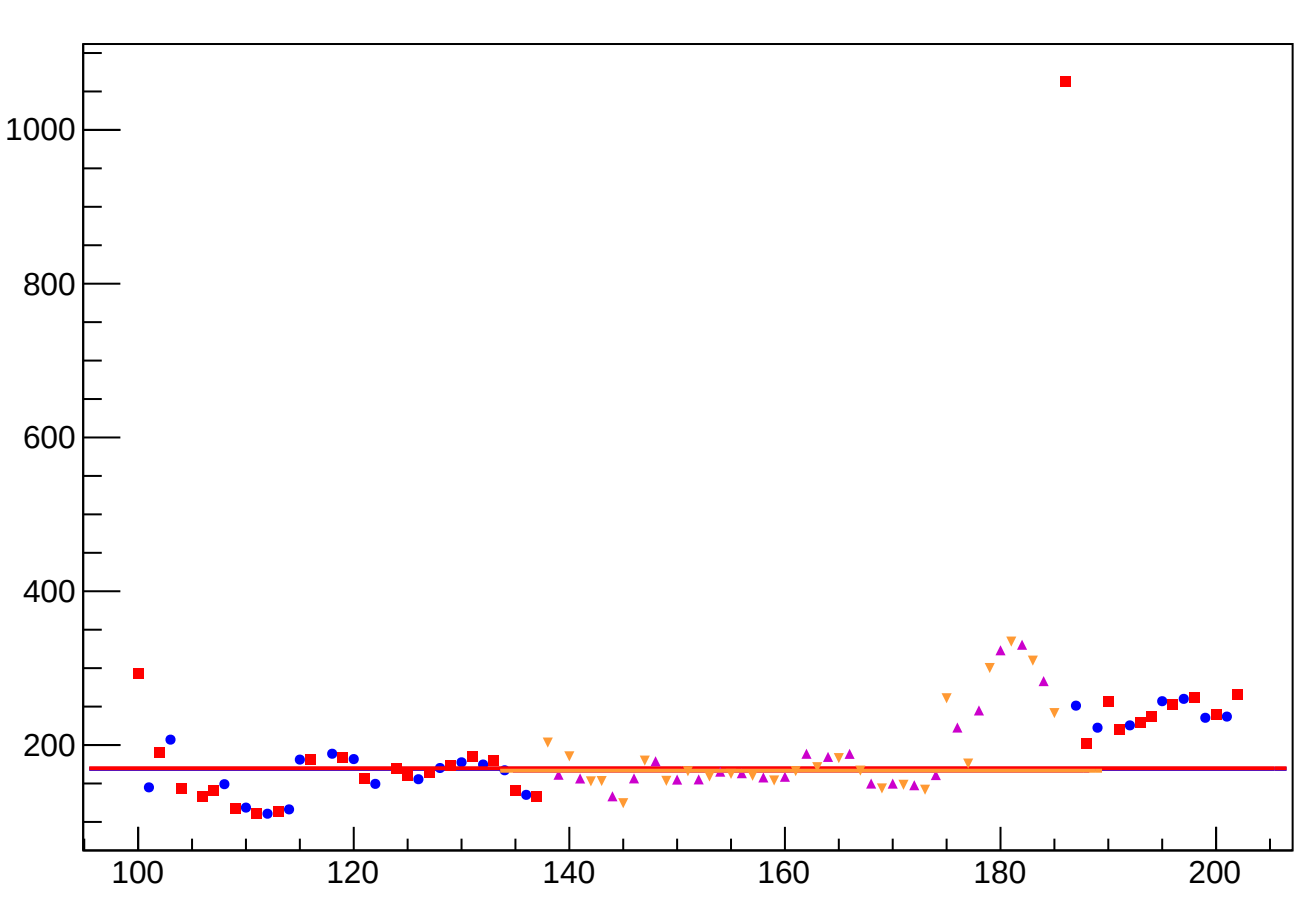
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -31.001+/-34.311 χ^2/NDF: 51.7/51

In: 33.056+/-31.335 χ^2/NDF:49.1/45

Out: 21.901+/-30.118 χ^2/NDF:60.1/53

All: 27.258+/-21.714 χ^2/NDF: 109.2/99



Right In: 168.983+/-0.035 χ^2/NDF: 1594845.7/22

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 169.763+/-0.033 χ^2/NDF: 2642363.3/28

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

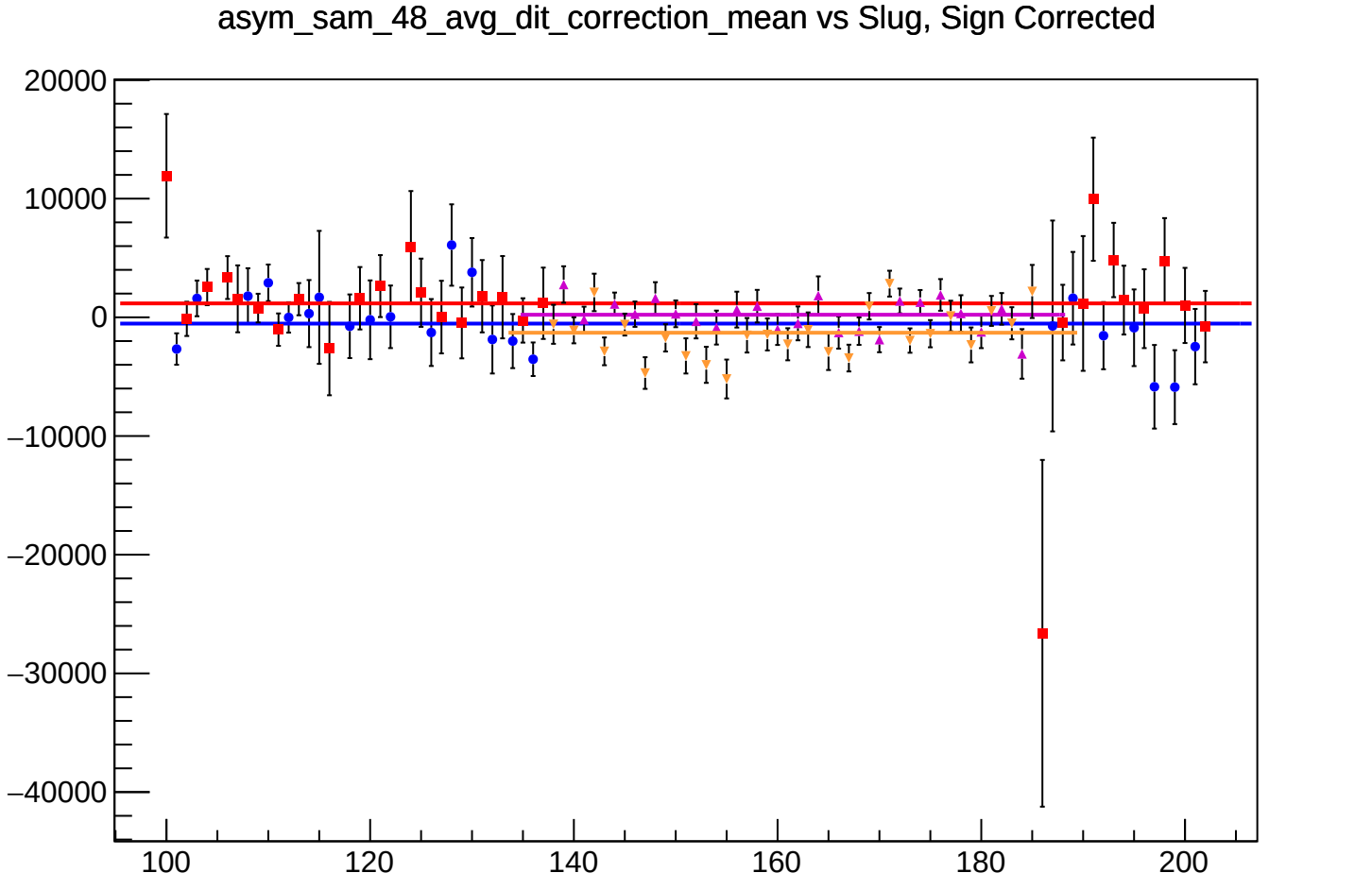
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 169.397+/-0.024 χ^2/NDF: 4237466.5/51

In: 167.355+/-0.022 χ^2/NDF:2990782.9/45

Out: 167.893+/-0.021 χ^2/NDF:4367535.2/53

All: 167.634+/-0.015 χ^2/NDF: 7358624.3/99



Right In: -527.991+/-472.202 χ^2/NDF: 28.3/22

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1173.042+/-436.733 χ^2/NDF: 23.2/28

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

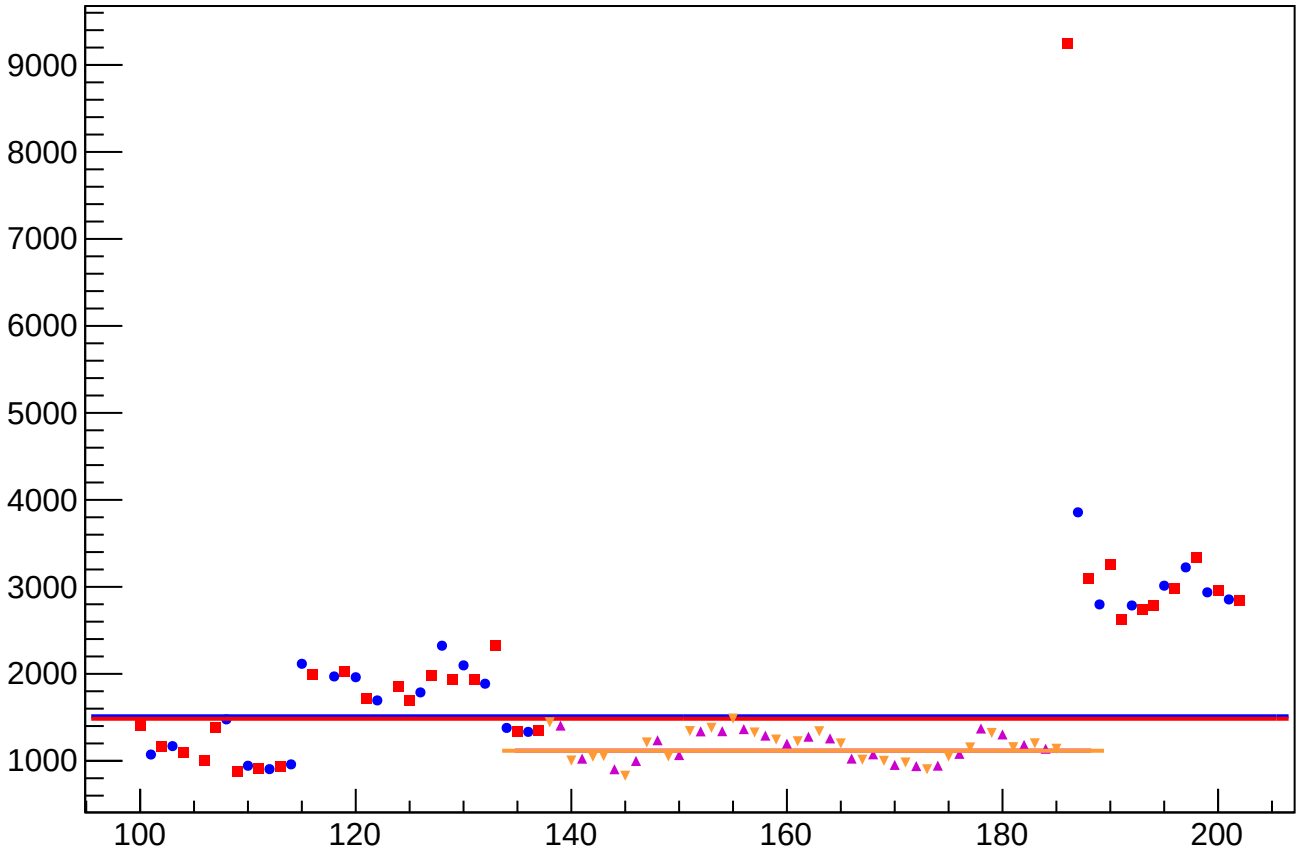
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 388.802+/-320.624 χ^2/NDF: 58.5/51

In: 39.409+/-230.690 χ^2/NDF:52.4/45

Out: -662.800+/-221.471 χ^2/NDF:102.1/53

All: -326.007+/-159.763 χ^2/NDF: 159.3/99



Right In: 1512.380+/-0.334 χ^2/NDF: 3983017.3/22

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1483.953+/-0.309 χ^2/NDF: 5865317.7/28

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

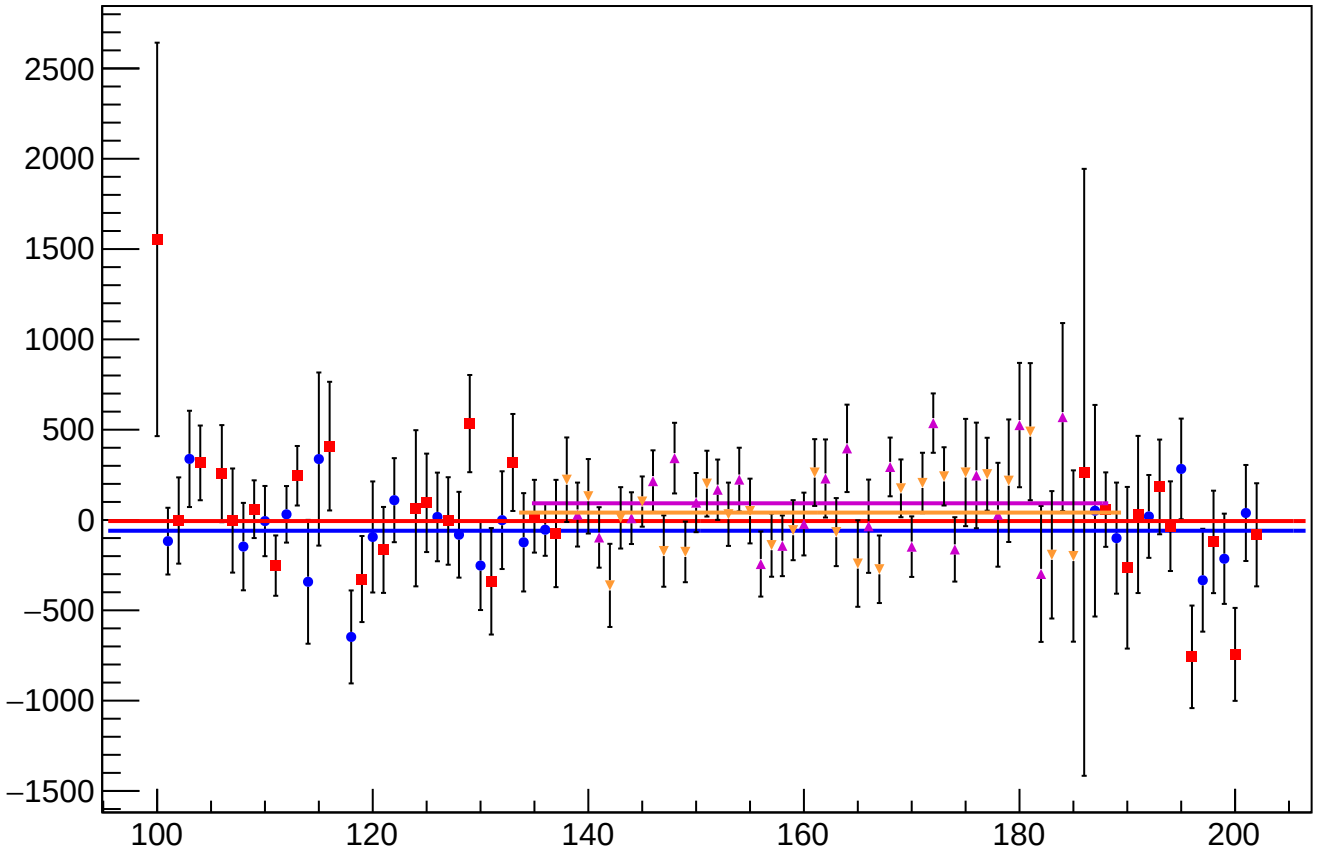
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1497.059+/-0.227 χ^2/NDF: 9852241.6/51

In: 1211.999+/-0.163 χ^2/NDF:5775443.1/45

Out: 1210.647+/-0.157 χ^2/NDF:7787193.7/53

All: 1211.295+/-0.113 χ^2/NDF: 13562672.5/9



Right In: -59.475+/-50.089 χ^2/NDF: 13.9/22

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -5.826+/-47.096 χ^2/NDF: 37.2/28

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

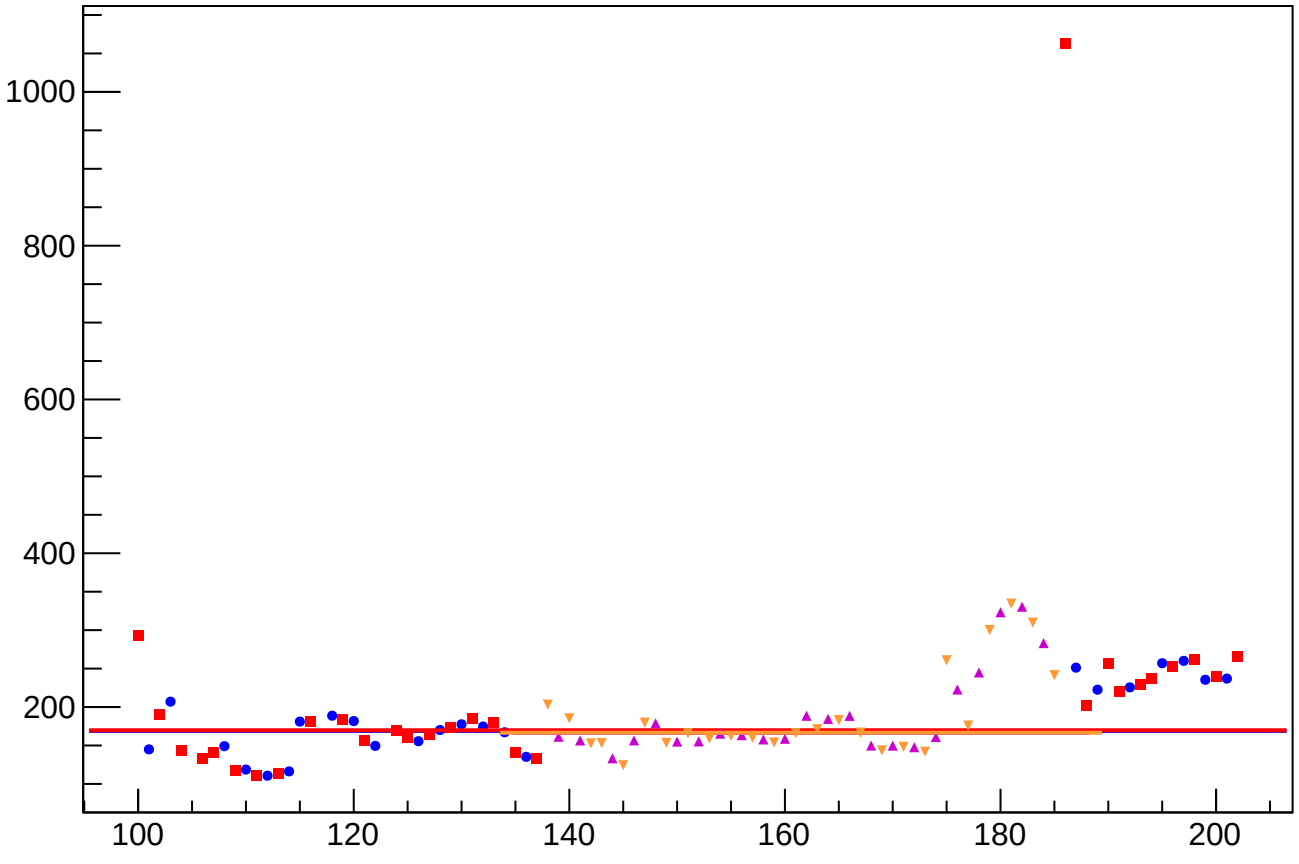
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -31.000+/-34.311 χ^2/NDF: 51.7/51

In: 33.057+/-31.335 χ^2/NDF:49.1/45

Out: 21.902+/-30.118 χ^2/NDF:60.1/53

All: 27.259+/-21.714 χ^2/NDF: 109.2/99



Right In: 168.983+/-0.035 χ^2/NDF: 1594837.2/22

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 169.763+/-0.033 χ^2/NDF: 2642370.2/28

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

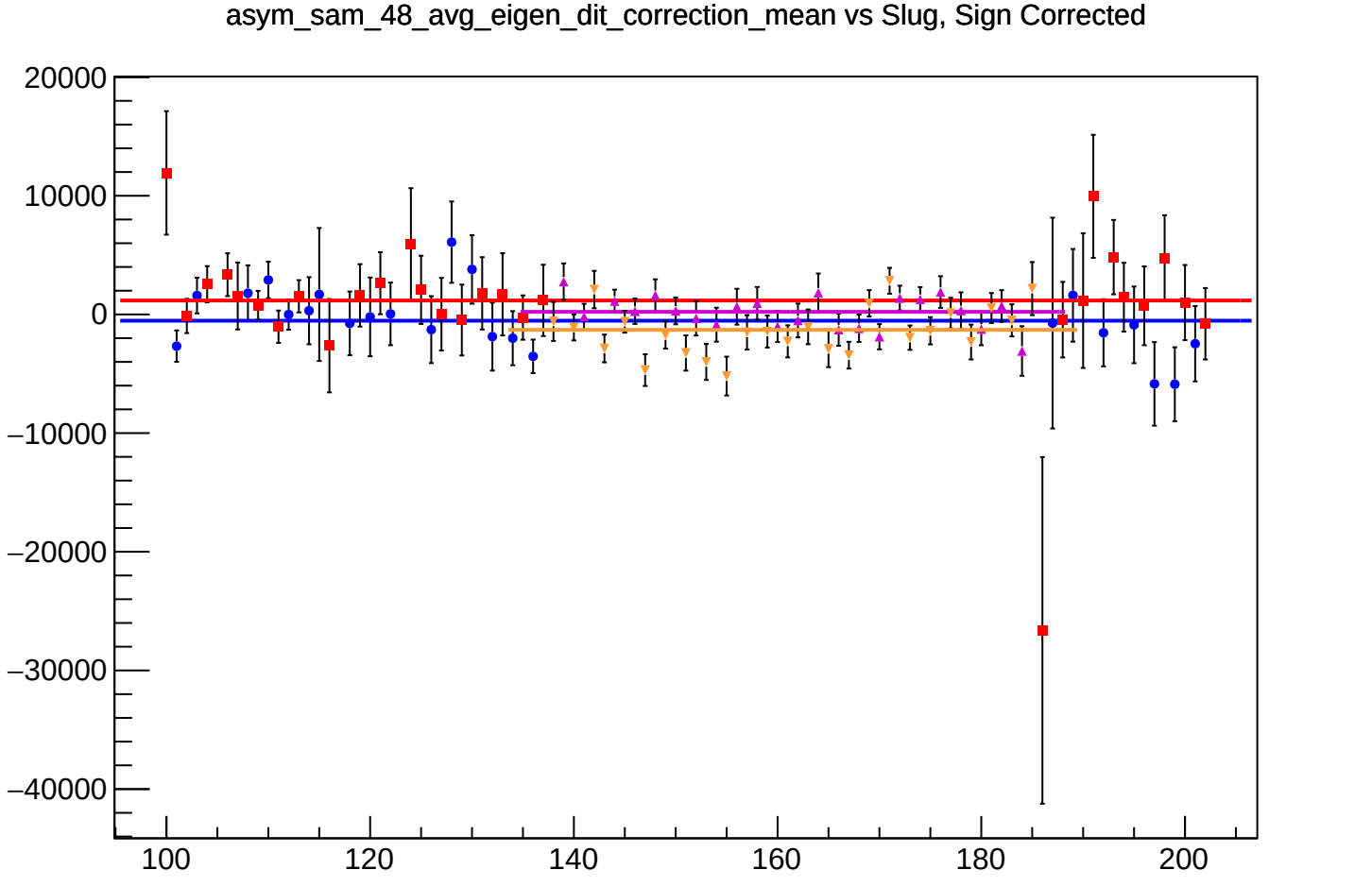
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 169.397+/-0.024 χ^2/NDF: 4237464.9/51

In: 167.355+/-0.022 χ^2/NDF:2990753.4/45

Out: 167.893+/-0.021 χ^2/NDF:4367534.8/53

All: 167.635+/-0.015 χ^2/NDF: 7358594.5/99



Right In: -527.990+/-472.201 χ^2/NDF: 28.3/22

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1173.041+/-436.733 χ^2/NDF: 23.2/28

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

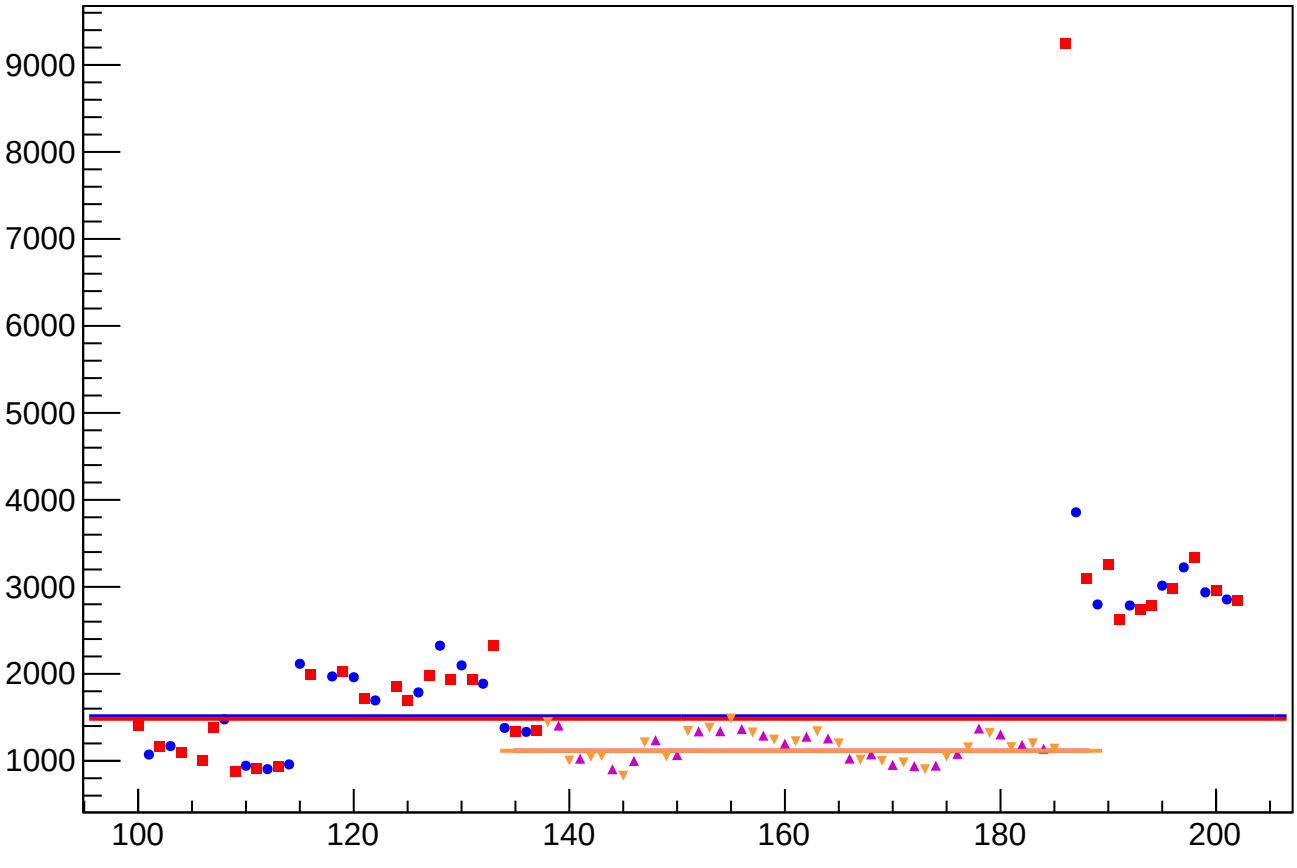
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 388.802+/-320.623 χ^2/NDF: 58.5/51

In: 39.408+/-230.689 χ^2/NDF:52.4/45

Out: -662.799+/-221.470 χ^2/NDF:102.1/53

All: -326.007+/-159.763 χ^2/NDF: 159.3/99



Right In: 1512.379+/-0.334 χ^2/NDF: 3983019.5/22

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1483.952+/-0.309 χ^2/NDF: 5865316.3/28

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

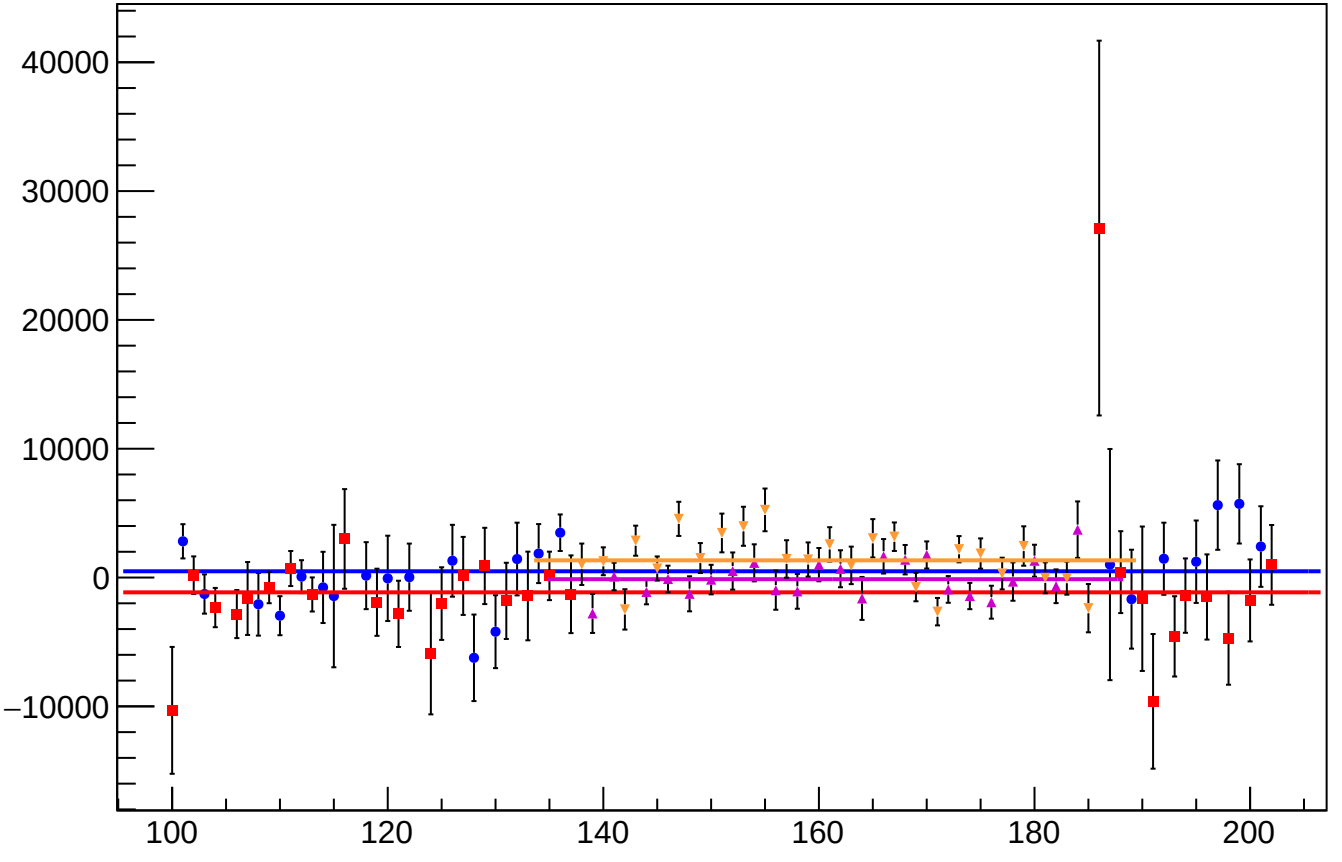
Right: 1497.058+/-0.227 χ^2/NDF: 9852242.4/51

In: 1211.997+/-0.163 χ^2/NDF:5775448.2/45

Out: 1210.645+/-0.157 χ^2/NDF:7787199.2/53

All: 1211.293+/-0.113 χ^2/NDF: 13562683.1/9

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 485.483+/-470.591 χ^2/NDF: 28.9/22

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1149.401+/-436.234 χ^2/NDF: 21.0/28

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

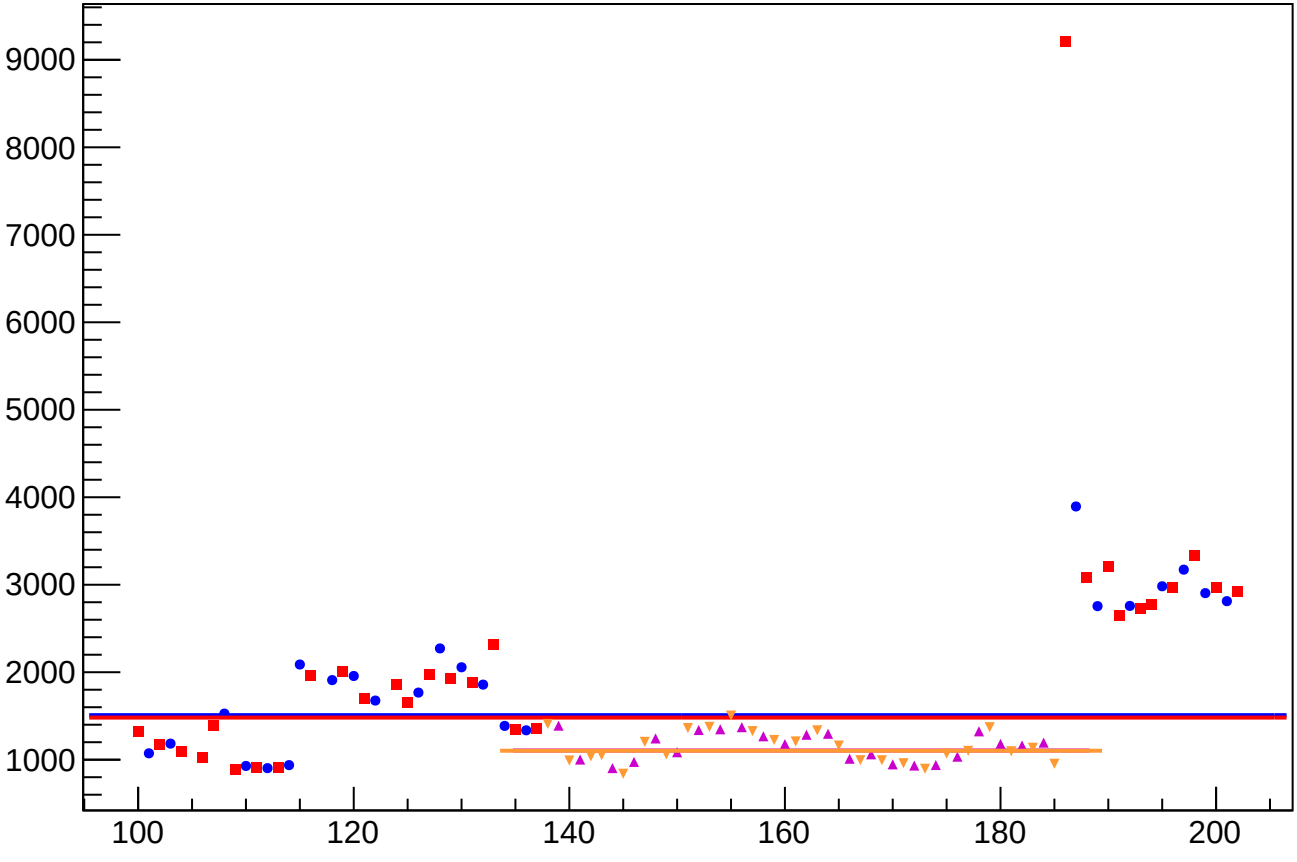
Right: -393.810+/-319.921 χ^2/NDF: 56.4/51

In: 16.388+/-228.523 χ^2/NDF:54.2/45

Out: 705.071+/-219.623 χ^2/NDF:100.9/53

All: 374.401+/-158.350 χ^2/NDF: 159.8/99

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1509.343+/-0.333 χ^2/NDF: 3902832.4/22

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1481.548+/-0.308 χ^2/NDF: 5849889.6/28

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

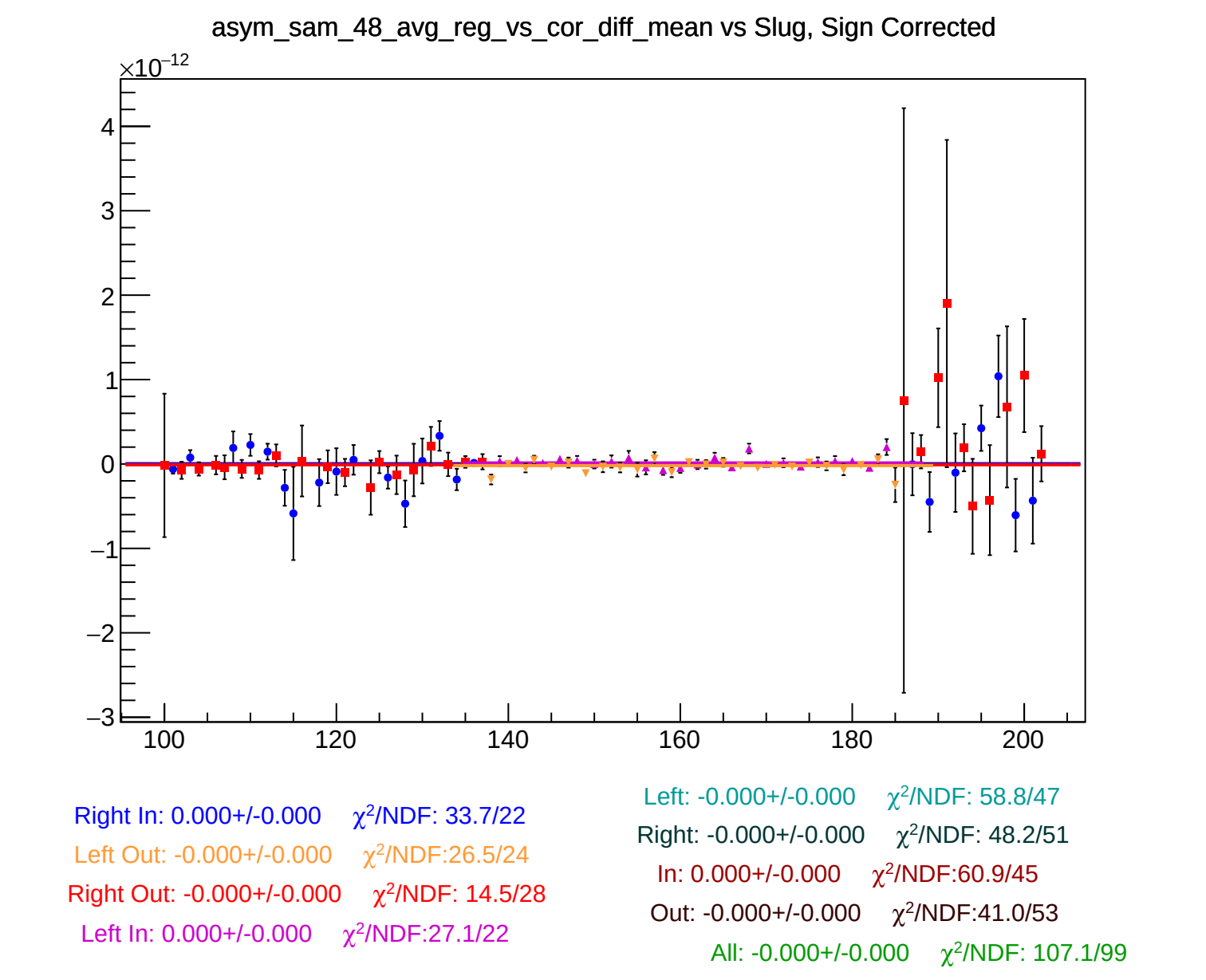
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

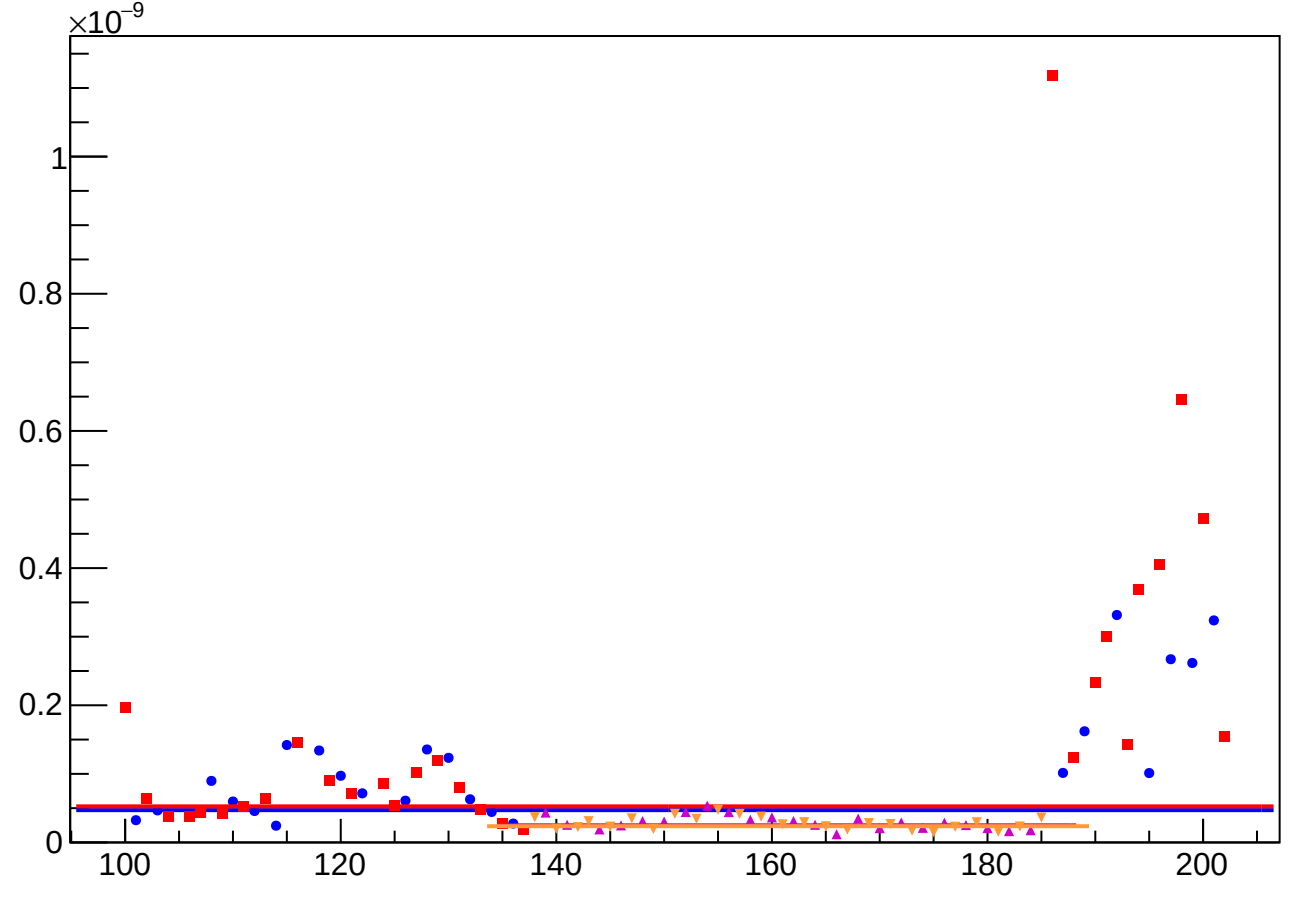
Right: 1494.394+/-0.226 χ^2/NDF: 9756474.6/51

In: 1200.503+/-0.162 χ^2/NDF:5753364.3/45

Out: 1198.725+/-0.155 χ^2/NDF:7856438.7/53

All: 1199.579+/-0.112 χ^2/NDF: 13609866.0/9


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 33.7/22
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.5/28
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 48.2/51
In: 0.000+/-0.000 χ²/NDF:60.9/45
Out: -0.000+/-0.000 χ²/NDF:41.0/53
All: -0.000+/-0.000 χ²/NDF: 107.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 3991666.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5068909.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

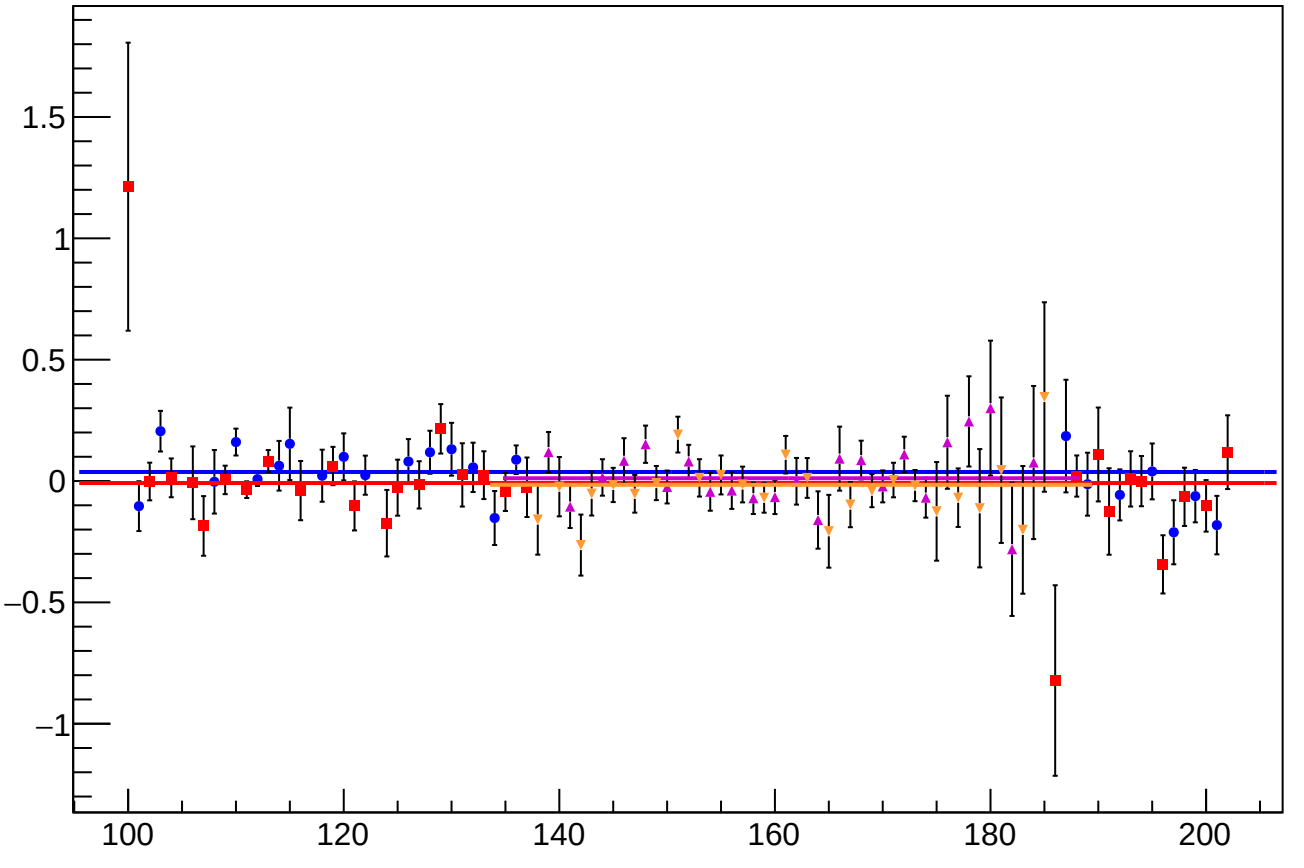
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9101525.1/51

In: 0.000+/-0.000 χ^2/NDF:6758157.7/45

Out: 0.000+/-0.000 χ^2/NDF:8412235.7/53

All: 0.000+/-0.000 χ^2/NDF: 15194732.8/99



Right In: 0.037+/-0.017 χ^2/NDF: 27.7/22

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.008+/-0.016 χ^2/NDF: 34.3/28

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

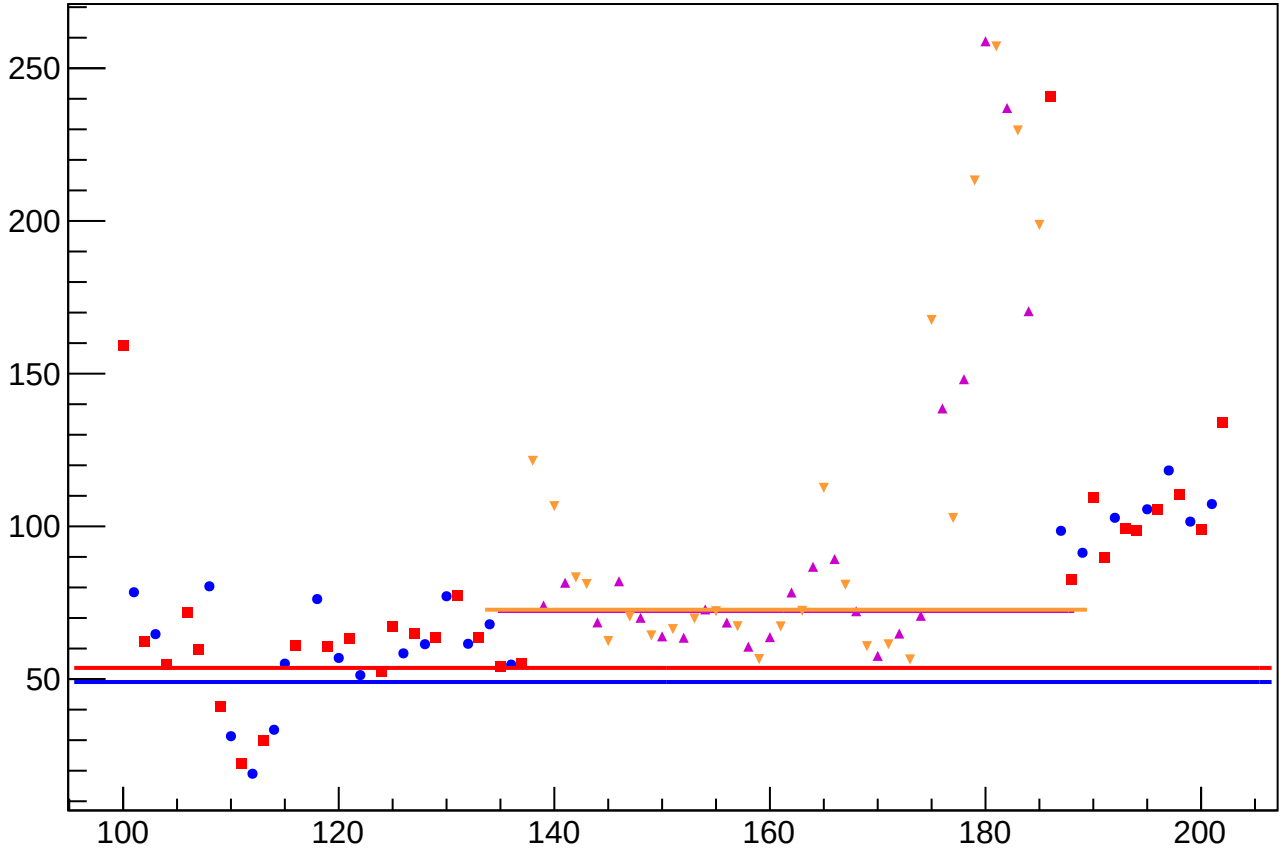
Right: 0.014+/-0.012 χ^2/NDF: 65.8/51

In: 0.026+/-0.012 χ^2/NDF:52.2/45

Out: -0.012+/-0.012 χ^2/NDF:56.0/53

All: 0.007+/-0.009 χ^2/NDF: 112.8/99

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.039+/-0.012 χ^2/NDF: 6125229.1/22

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 53.657+/-0.012 χ^2/NDF: 6032117.0/28

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

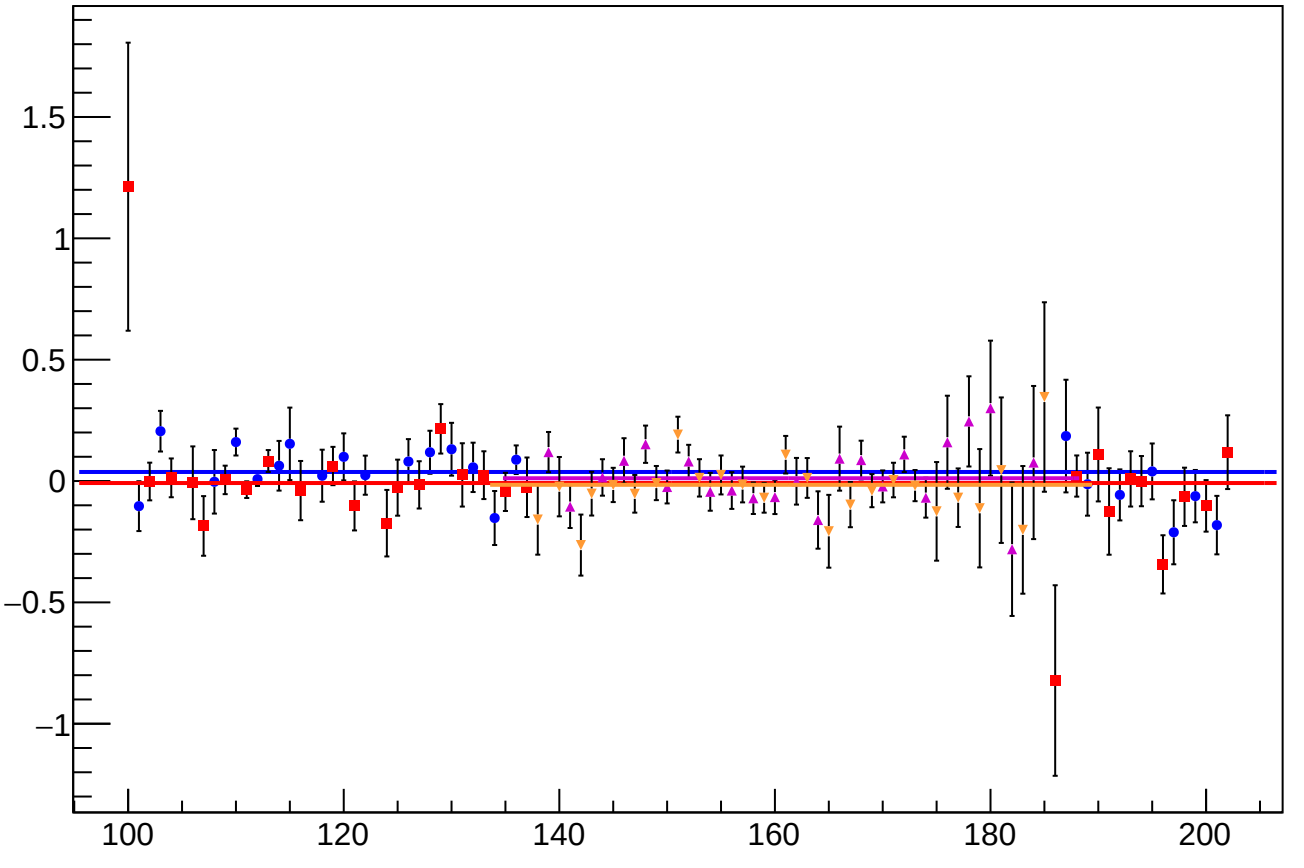
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 51.390+/-0.008 χ^2/NDF: 12235999.0/51

In: 59.577+/-0.009 χ^2/NDF:10691105.3/45

Out: 62.273+/-0.009 χ^2/NDF:11226972.1/53

All: 60.949+/-0.006 χ^2/NDF: 21967054.3/99



Right In: 0.037+/-0.017 χ^2/NDF: 27.7/22

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.008+/-0.016 χ^2/NDF: 34.3/28

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

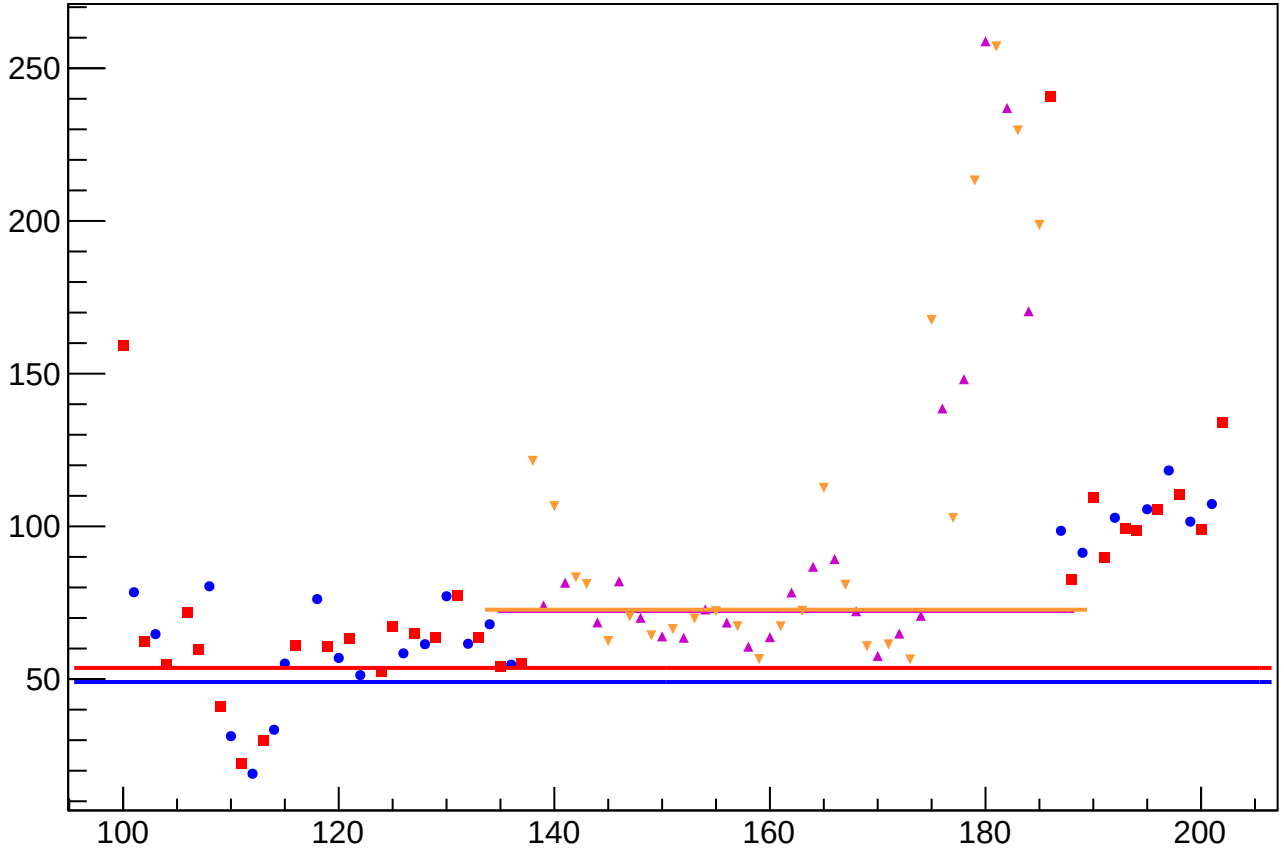
Right: 0.014+/-0.012 χ^2/NDF: 65.8/51

In: 0.026+/-0.012 χ^2/NDF:52.2/45

Out: -0.012+/-0.012 χ^2/NDF:56.0/53

All: 0.007+/-0.009 χ^2/NDF: 112.8/99

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.039+/-0.012 χ^2/NDF: 6125229.1/22

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 53.657+/-0.012 χ^2/NDF: 6032117.0/28

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

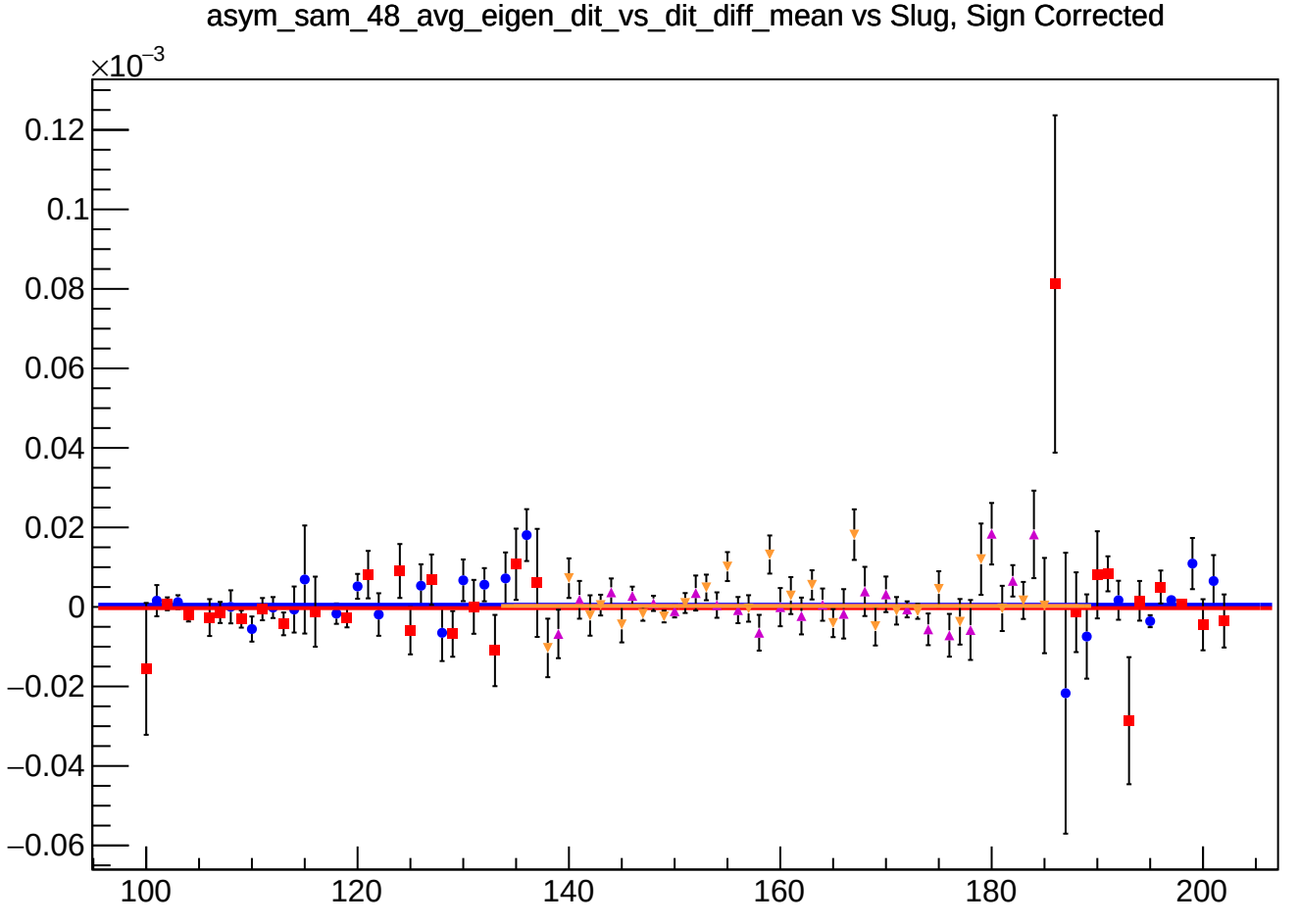
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 51.390+/-0.008 χ^2/NDF: 12235999.0/51

In: 59.577+/-0.009 χ^2/NDF:10691105.3/45

Out: 62.273+/-0.009 χ^2/NDF:11226972.1/53

All: 60.949+/-0.006 χ^2/NDF: 21967054.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/28

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

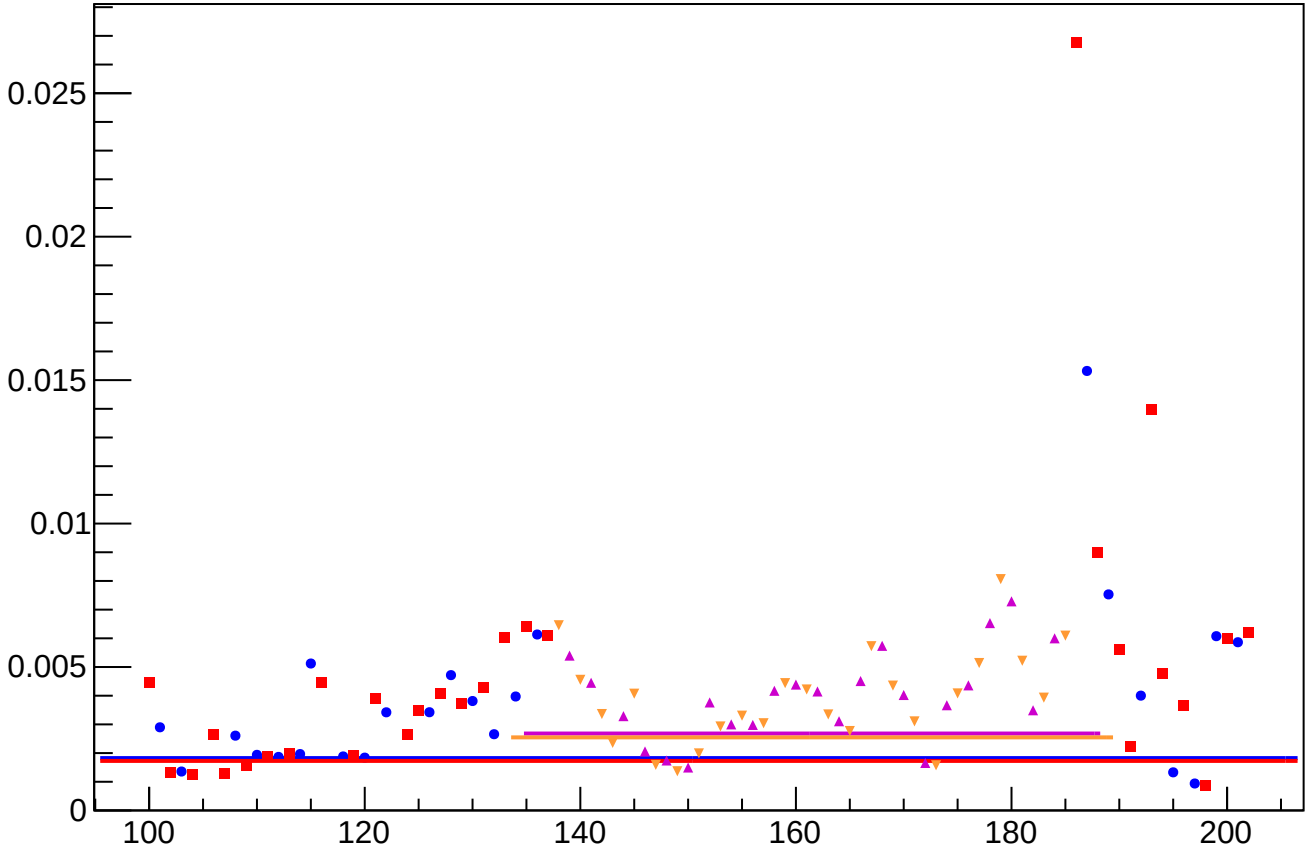
Right: 0.000+/-0.000 χ^2/NDF: 66.1/51

In: 0.000+/-0.000 χ^2/NDF:57.3/45

Out: -0.000+/-0.000 χ^2/NDF:75.8/53

All: 0.000+/-0.000 χ^2/NDF: 133.6/99

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6780827.5/22

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10777109.0/28

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

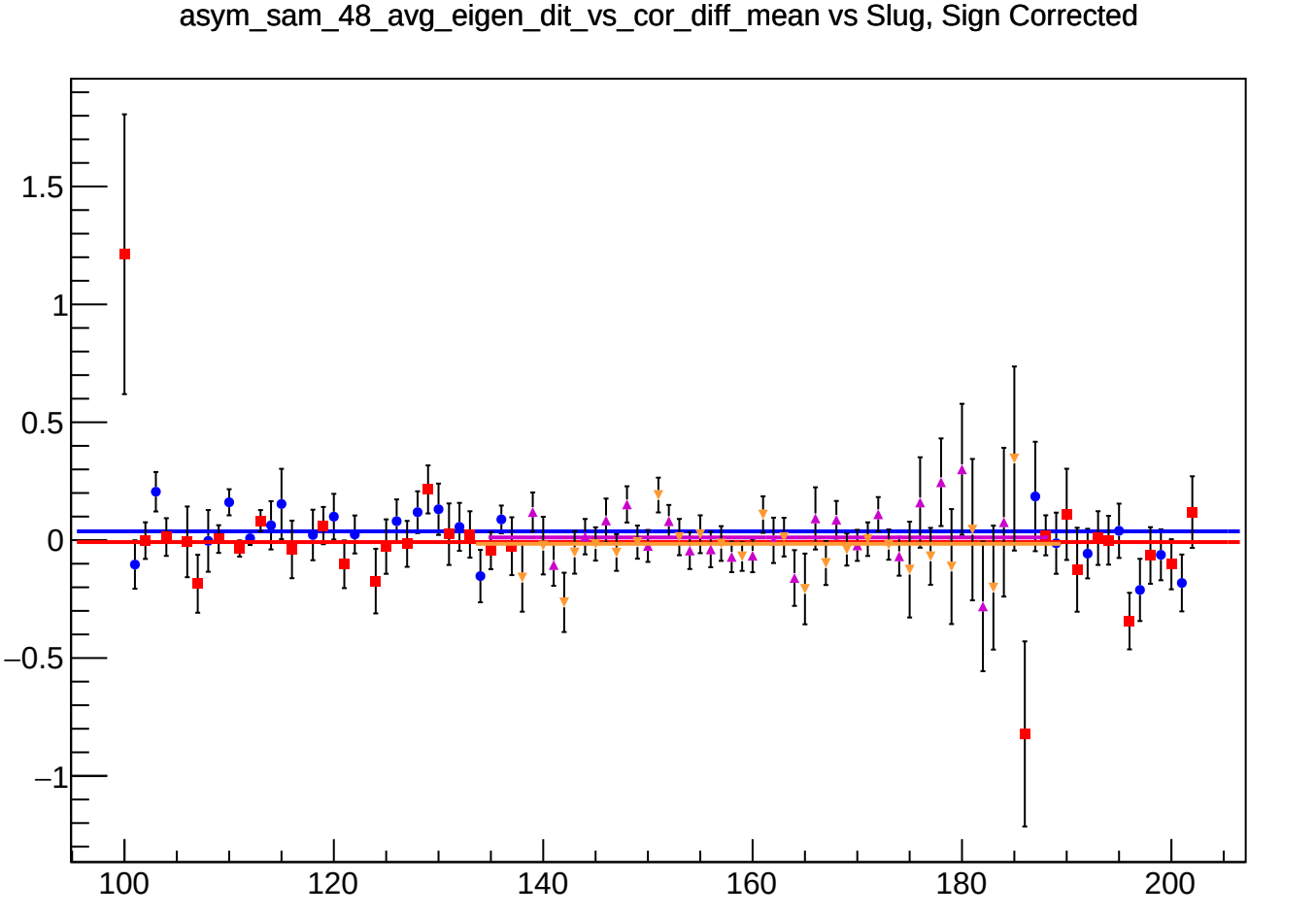
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 17583099.6/51

In: 0.002+/-0.000 χ^2/NDF:14888577.9/45

Out: 0.002+/-0.000 χ^2/NDF:20019153.1/53

All: 0.002+/-0.000 χ^2/NDF: 34977789.3/99



Right In: 0.037+/-0.017 χ^2/NDF: 27.7/22

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.008+/-0.016 χ^2/NDF: 34.3/28

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

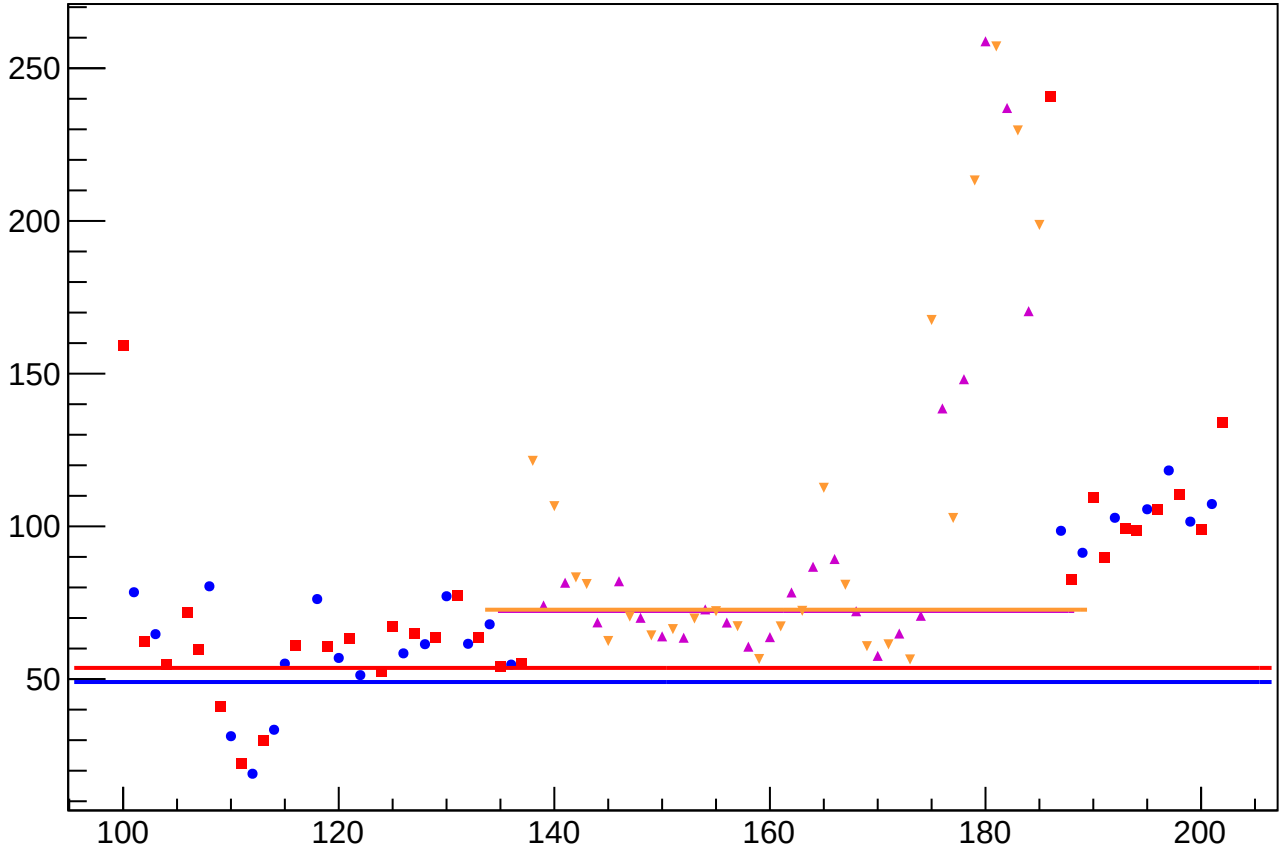
Right: 0.014+/-0.012 χ^2/NDF: 65.8/51

In: 0.026+/-0.012 χ^2/NDF:52.2/45

Out: -0.012+/-0.012 χ^2/NDF:56.0/53

All: 0.007+/-0.009 χ^2/NDF: 112.8/99

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.038+/-0.012 χ^2/NDF: 6125442.9/22

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 53.656+/-0.012 χ^2/NDF: 6032401.8/28

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

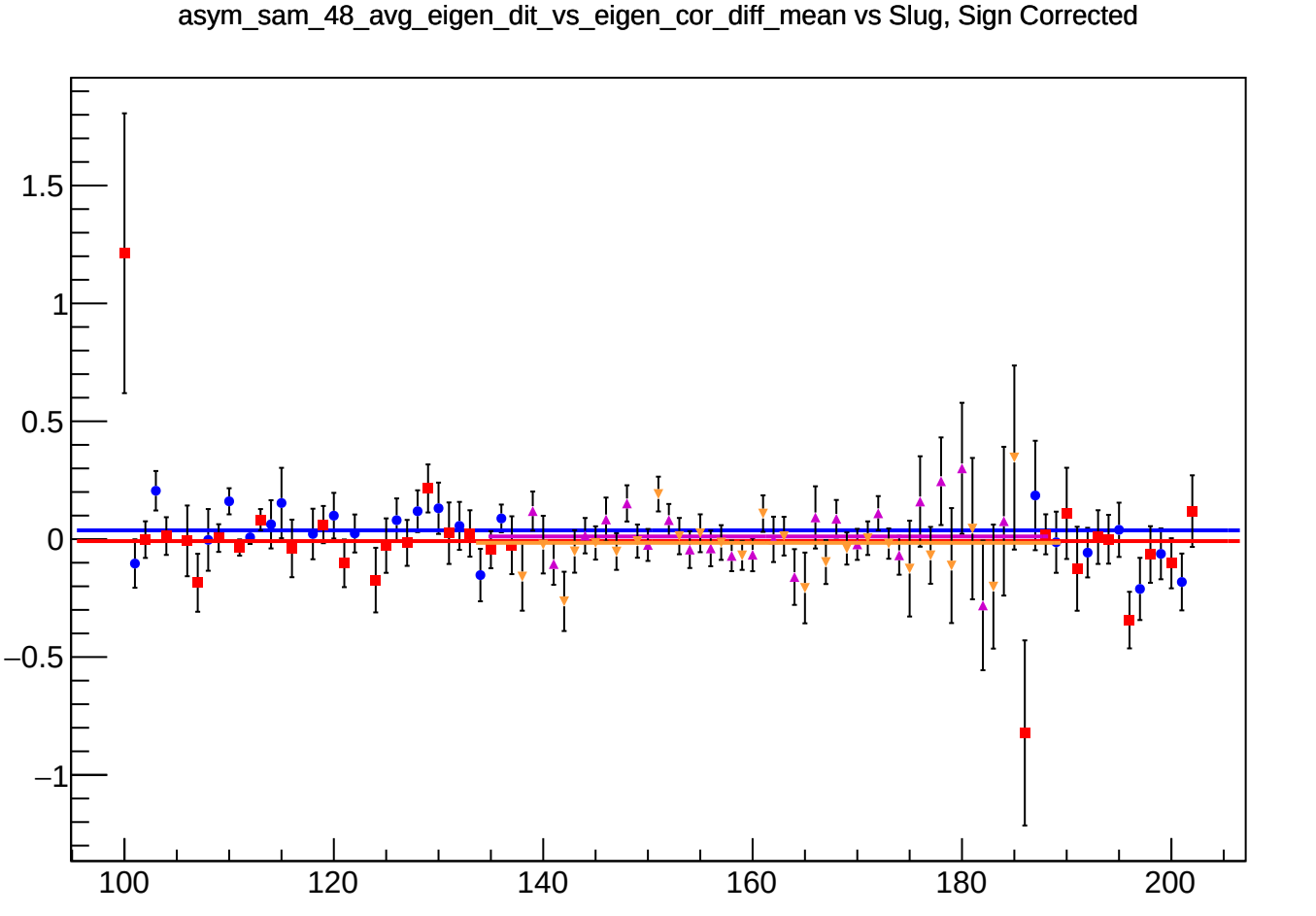
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 51.389+/-0.008 χ^2/NDF: 12236501.1/51

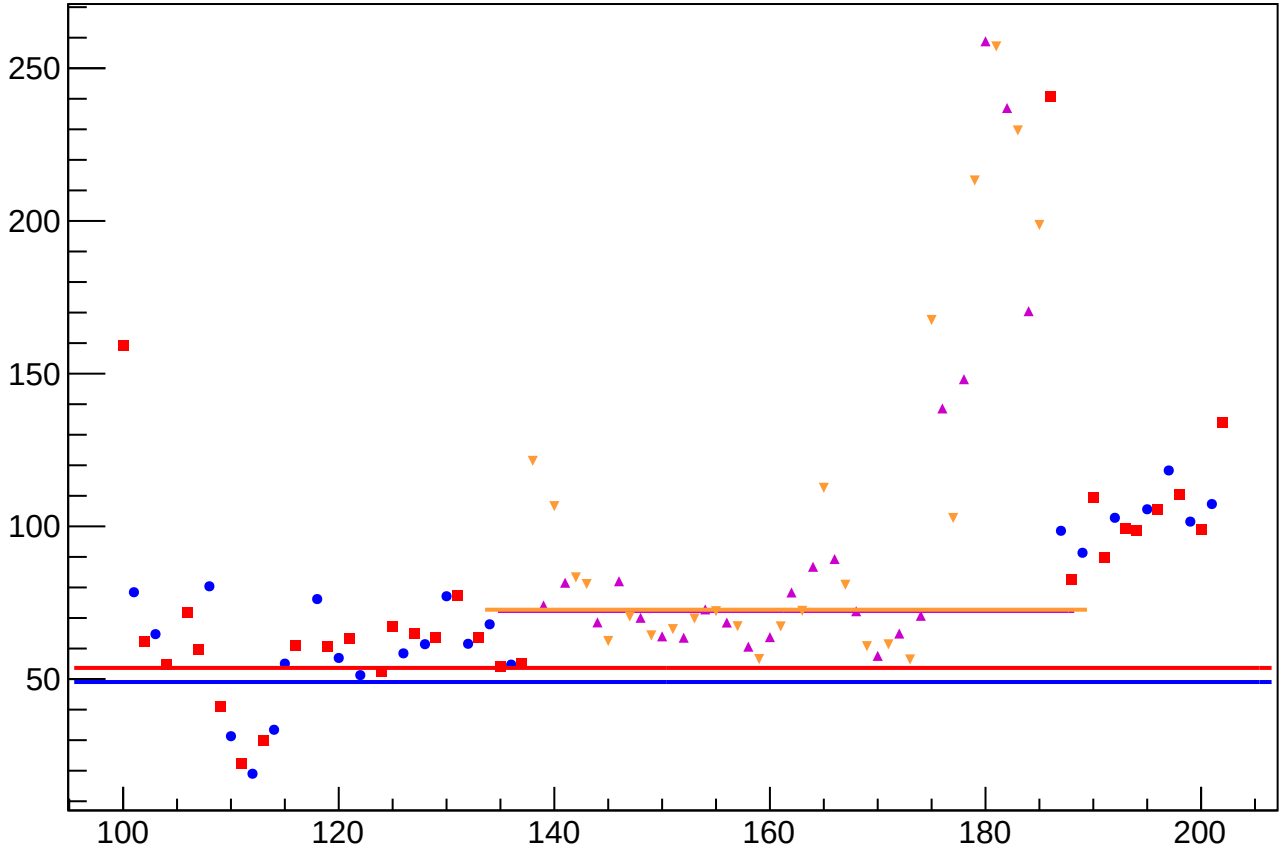
In: 59.577+/-0.009 χ^2/NDF:10691505.5/45

Out: 62.273+/-0.009 χ^2/NDF:11227405.3/53

All: 60.948+/-0.006 χ^2/NDF: 21967892.1/99


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: 0.037+/-0.017 χ²/NDF: 27.7/22
Left Out: -0.016+/-0.018 χ²/NDF:21.6/24
Right Out: -0.008+/-0.016 χ²/NDF: 34.3/28
Left In: 0.011+/-0.018 χ²/NDF:23.3/22
Left: -0.002+/-0.013 χ²/NDF: 46.1/47
Right: 0.014+/-0.012 χ²/NDF: 65.8/51
In: 0.026+/-0.012 χ²/NDF:52.2/45
Out: -0.012+/-0.012 χ²/NDF:56.0/53
All: 0.007+/-0.009 χ²/NDF: 112.8/99

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.038+/-0.012 χ^2/NDF: 6125442.9/22

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 53.656+/-0.012 χ^2/NDF: 6032401.8/28

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

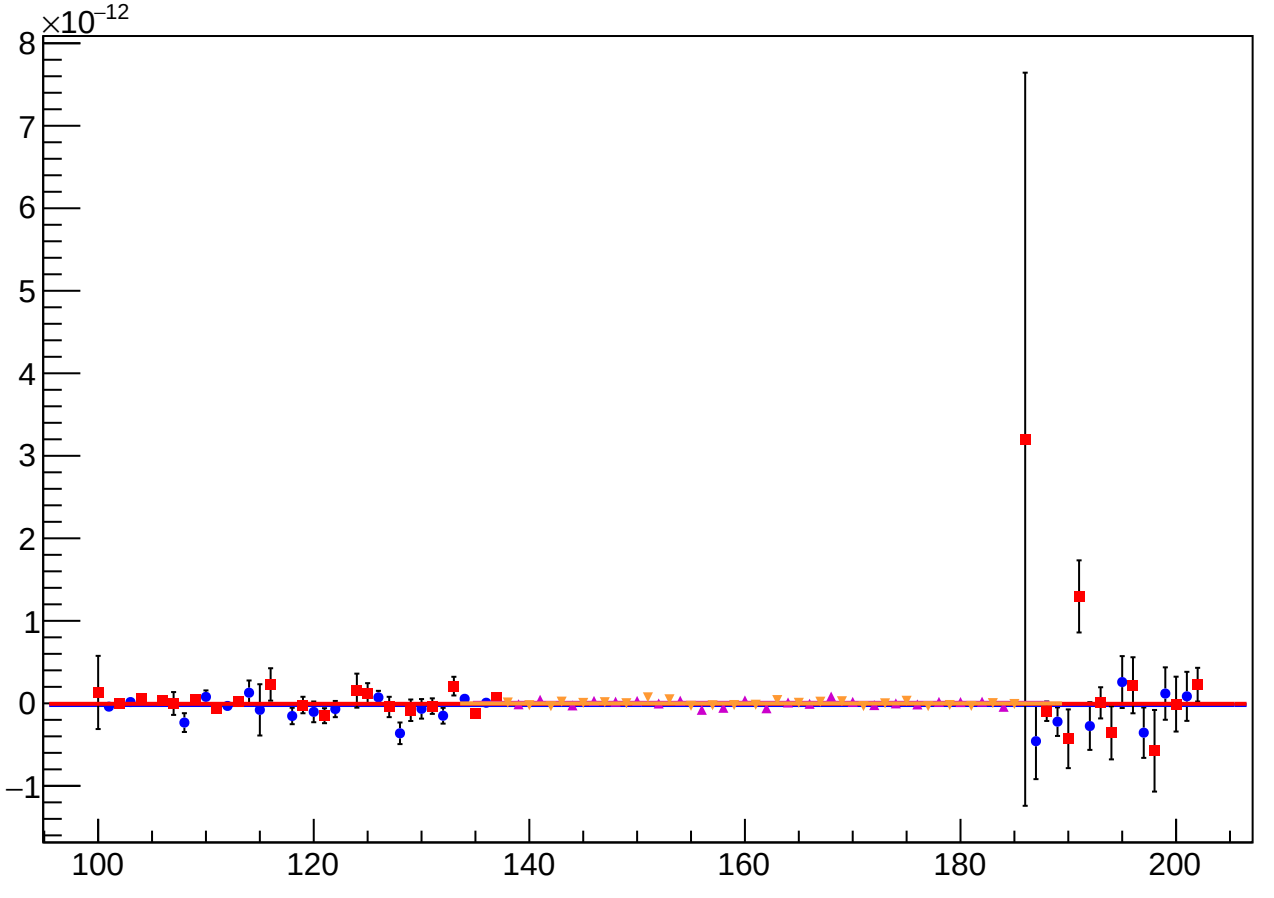
Right: 51.389+/-0.008 χ^2/NDF: 12236501.1/51

In: 59.577+/-0.009 χ^2/NDF:10691505.5/45

Out: 62.273+/-0.009 χ^2/NDF:11227405.3/53

All: 60.948+/-0.006 χ^2/NDF: 21967892.1/99

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.9/28

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

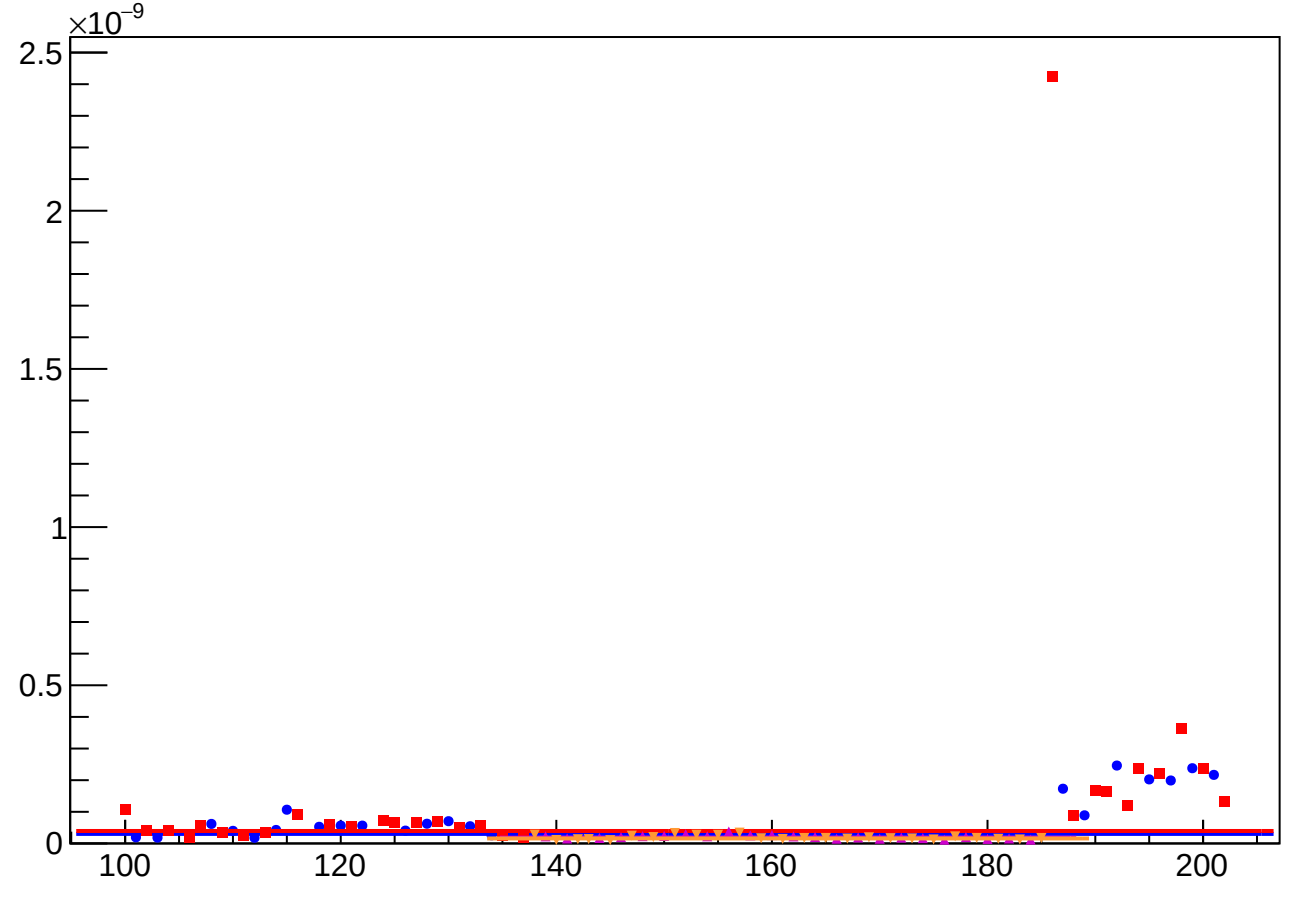
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 67.8/51

In: 0.000+/-0.000 χ^2/NDF:69.7/45

Out: -0.000+/-0.000 χ^2/NDF:66.9/53

All: 0.000+/-0.000 χ^2/NDF: 137.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 6263305.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6844289.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

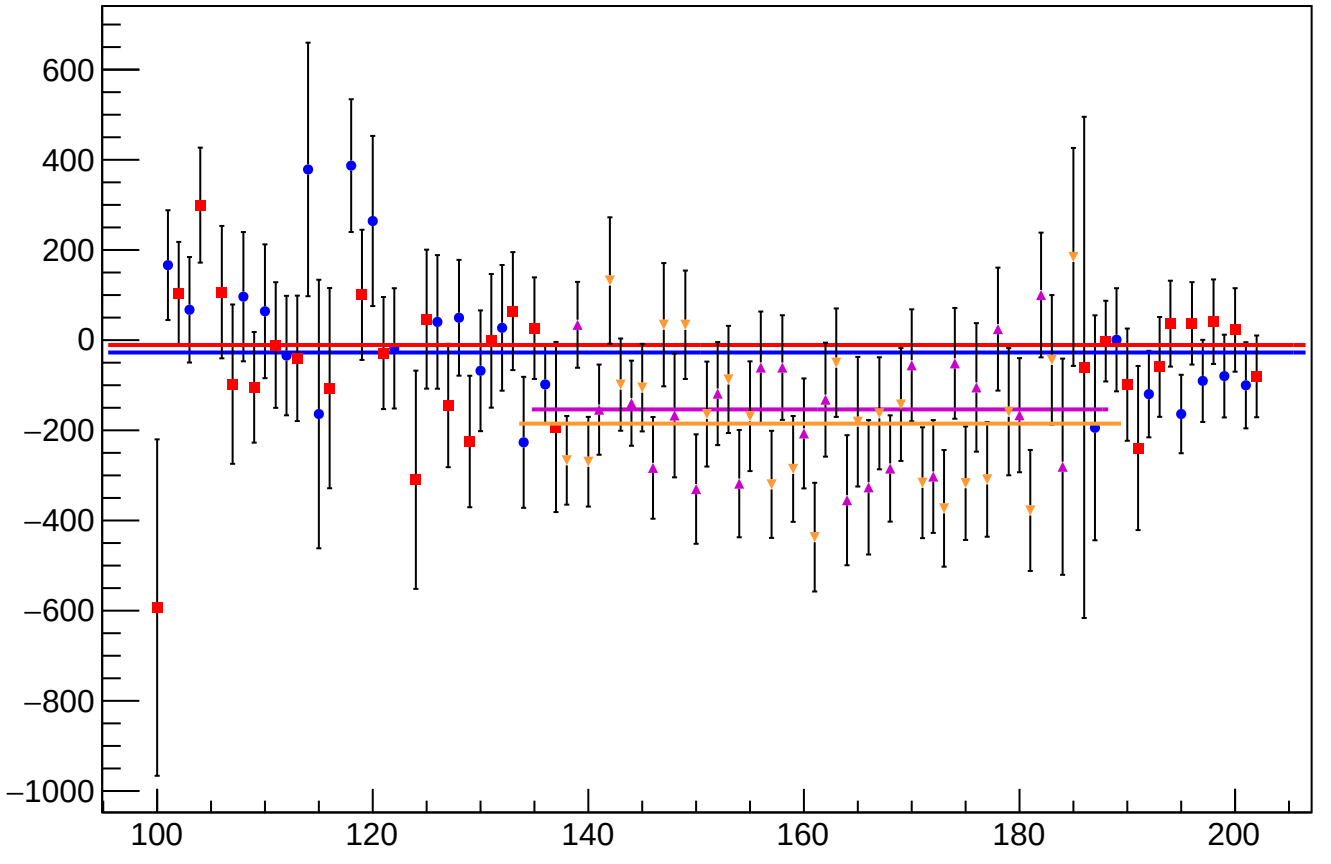
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13468399.6/51

In: 0.000+/-0.000 χ^2/NDF:9136199.1/45

Out: 0.000+/-0.000 χ^2/NDF:13044109.2/53

All: 0.000+/-0.000 χ^2/NDF: 22366904.1/99



Right In: -27.384+/-25.601 χ^2/NDF: 25.6/22

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -10.781+/-23.692 χ^2/NDF: 21.6/28

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

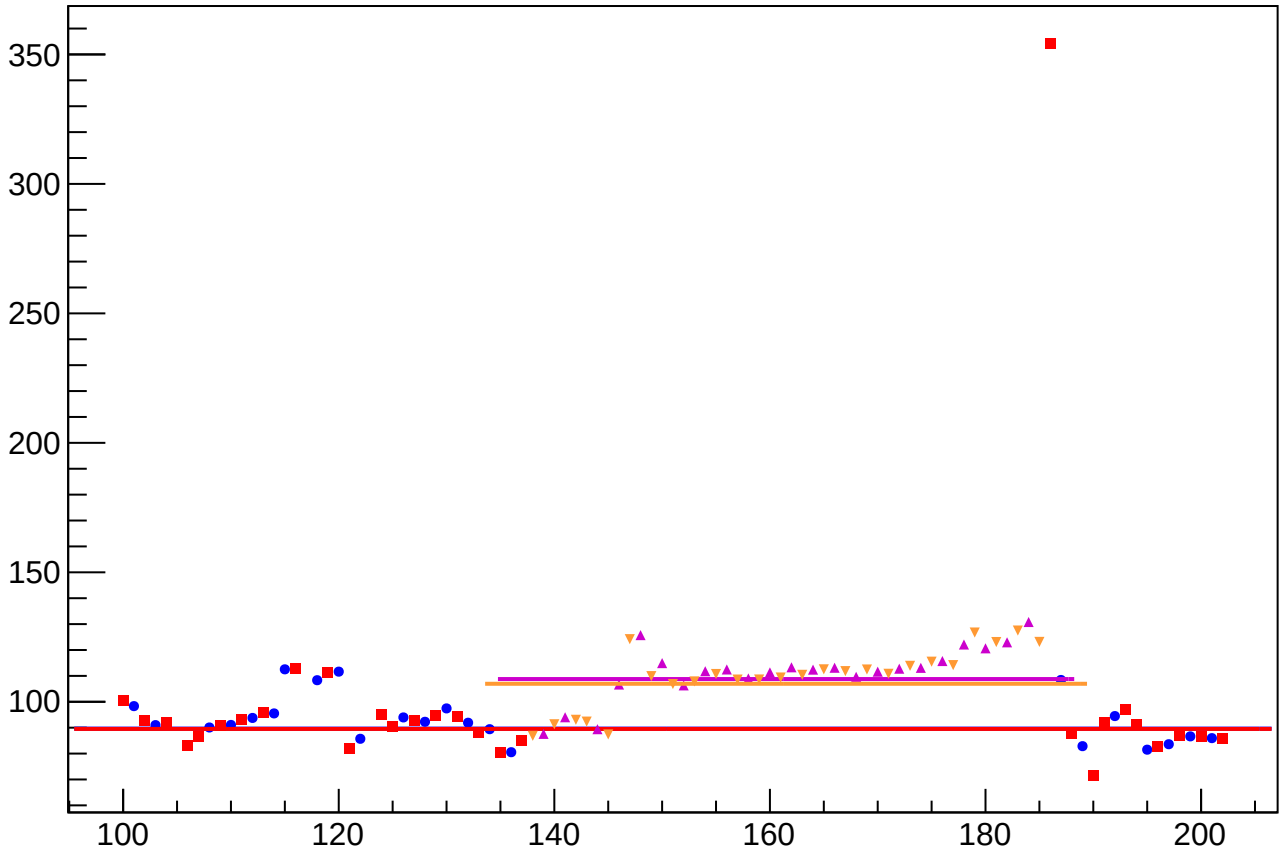
Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

Right: -18.441+/-17.388 χ^2/NDF: 47.4/51

In: -90.660+/-18.080 χ^2/NDF:61.3/45

Out: -95.210+/-17.015 χ^2/NDF:80.9/53

All: -93.073+/-12.391 χ^2/NDF: 142.2/99



Right In: 89.639+/-0.018 χ^2/NDF: 173804.1/22

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.518+/-0.017 χ^2/NDF: 635281.2/28

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

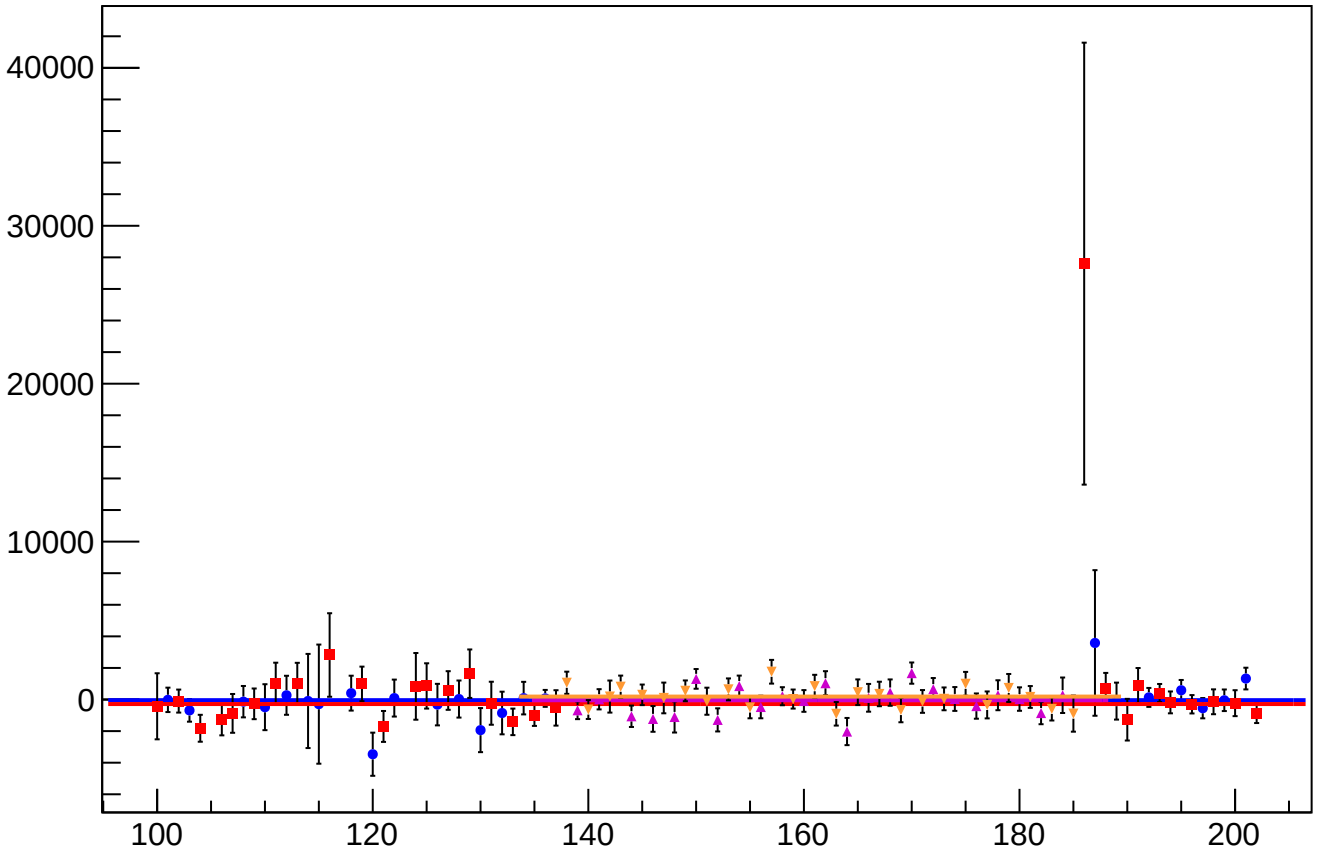
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 89.574+/-0.012 χ^2/NDF: 809109.1/51

In: 99.233+/-0.013 χ^2/NDF:1092686.1/45

Out: 97.961+/-0.012 χ^2/NDF:1624047.4/53

All: 98.558+/-0.009 χ^2/NDF: 2721985.1/99



Right In: -40.248+/-190.918 χ^2/NDF: 16.0/22

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -285.981+/-175.773 χ^2/NDF: 26.4/28

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

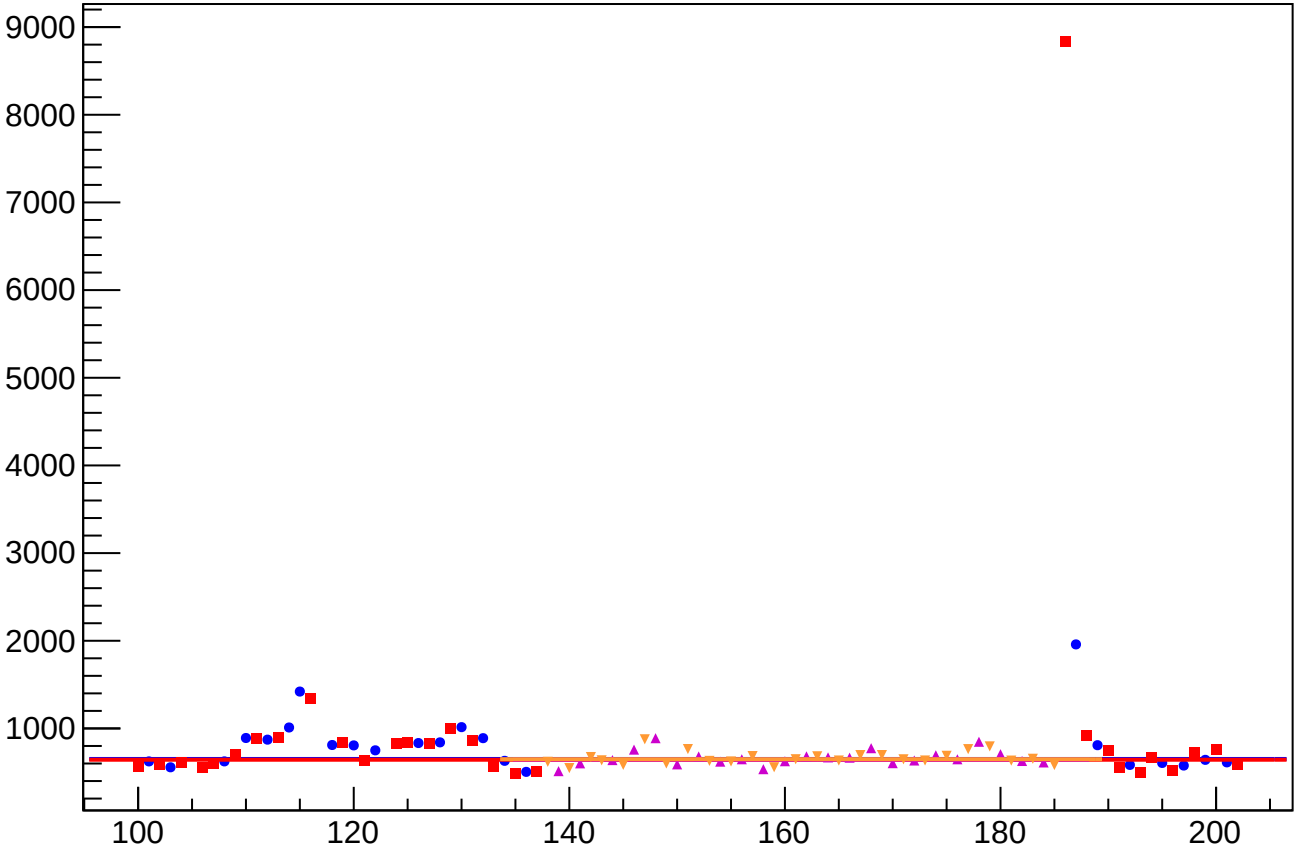
Right: -173.246+/-129.313 χ^2/NDF: 43.3/51

In: -42.084+/-118.943 χ^2/NDF:49.7/45

Out: -10.801+/-113.578 χ^2/NDF:49.7/53

All: -25.721+/-82.143 χ^2/NDF: 99.5/99

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.705+/-0.135 χ^2/NDF: 1056297.4/22

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.069+/-0.124 χ^2/NDF: 1966412.7/28

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

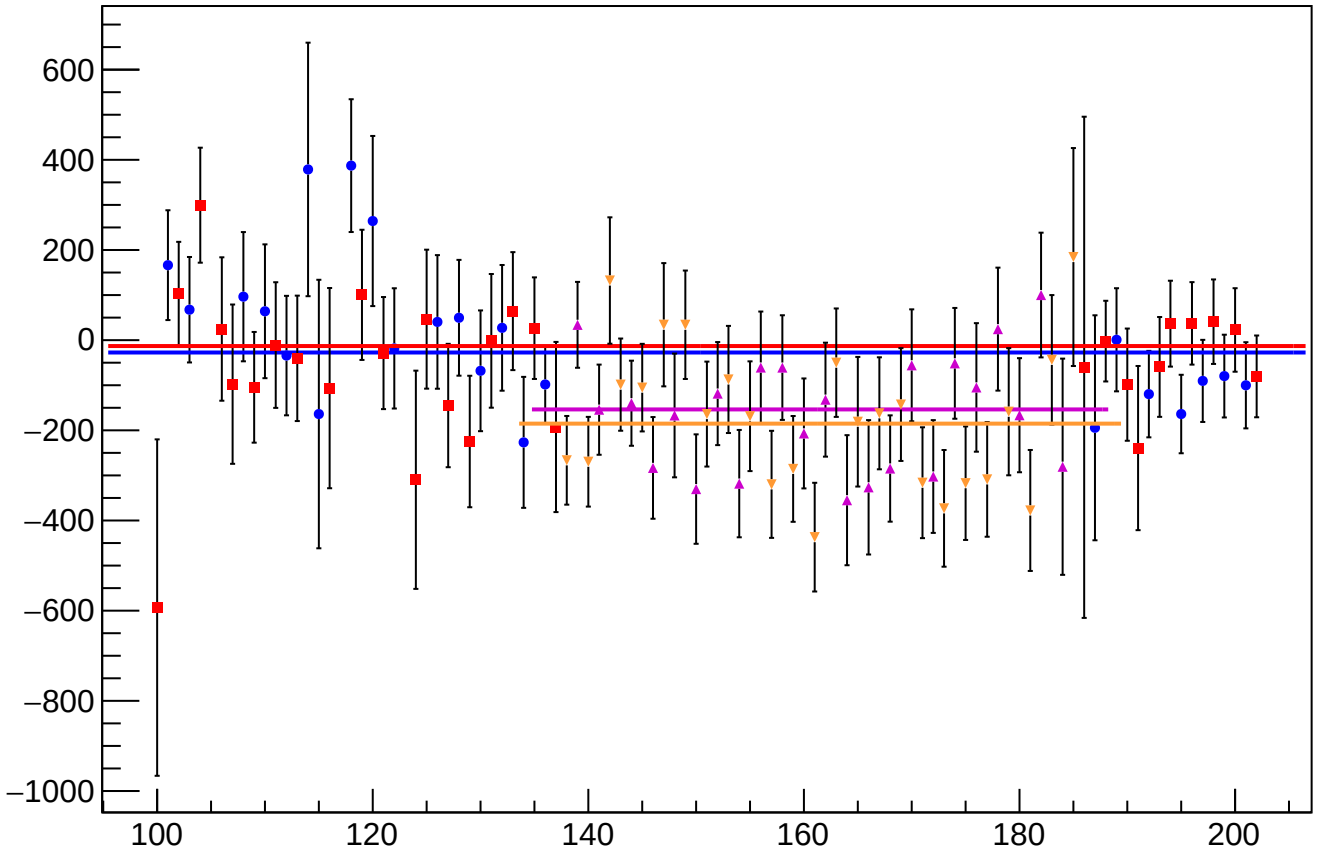
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 647.031+/-0.091 χ^2/NDF: 3024925.0/51

In: 647.035+/-0.084 χ^2/NDF:1617373.3/45

Out: 646.634+/-0.080 χ^2/NDF:2386189.6/53

All: 646.825+/-0.058 χ^2/NDF: 4003574.8/99



Right In: -27.377+/-25.601 χ^2/NDF: 25.6/22

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -13.055+/-23.737 χ^2/NDF: 21.0/28

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

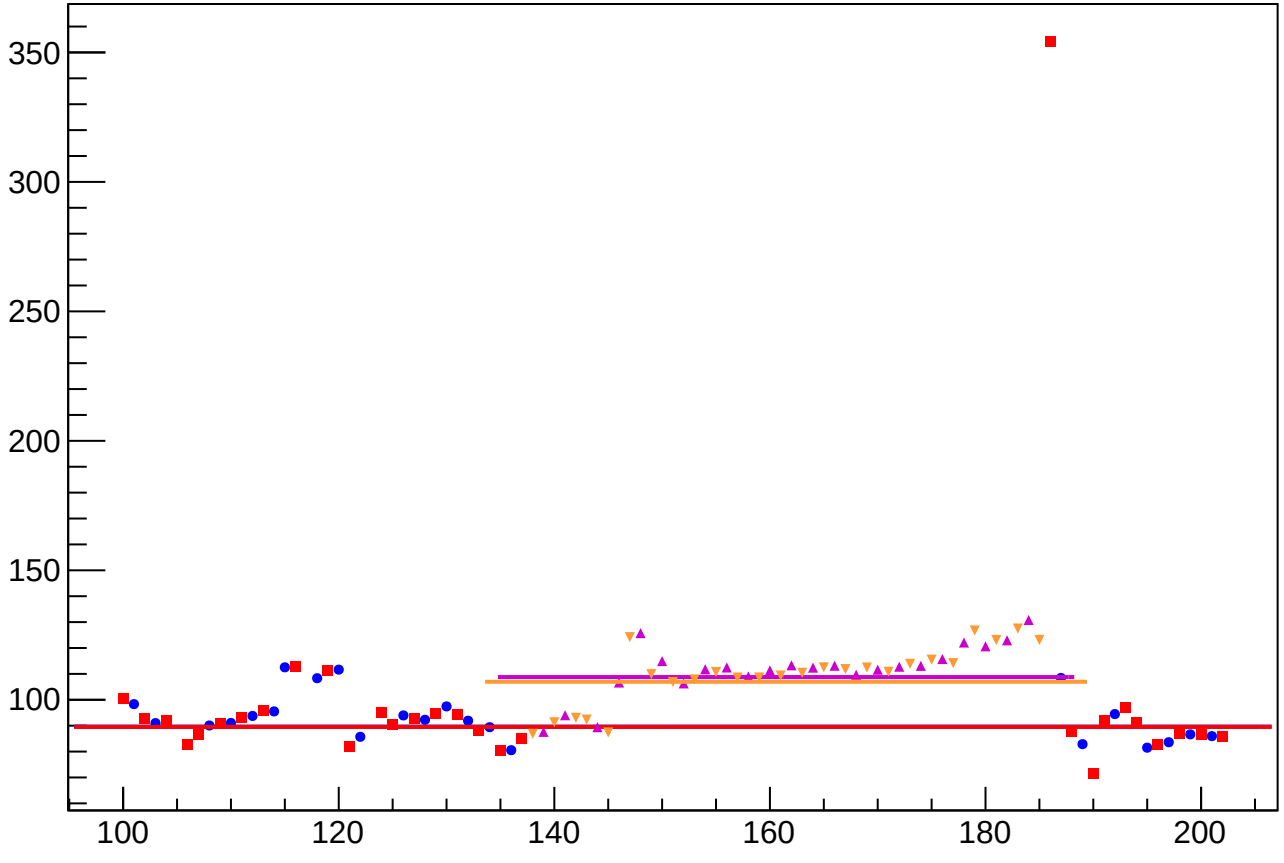
Right: -19.676+/-17.406 χ^2/NDF: 46.8/51

In: -90.659+/-18.080 χ^2/NDF:61.3/45

Out: -96.549+/-17.032 χ^2/NDF:79.6/53

All: -93.780+/-12.397 χ^2/NDF: 140.9/99

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.639+/-0.018 χ^2/NDF: 173804.1/22

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.531+/-0.017 χ^2/NDF: 635303.5/28

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

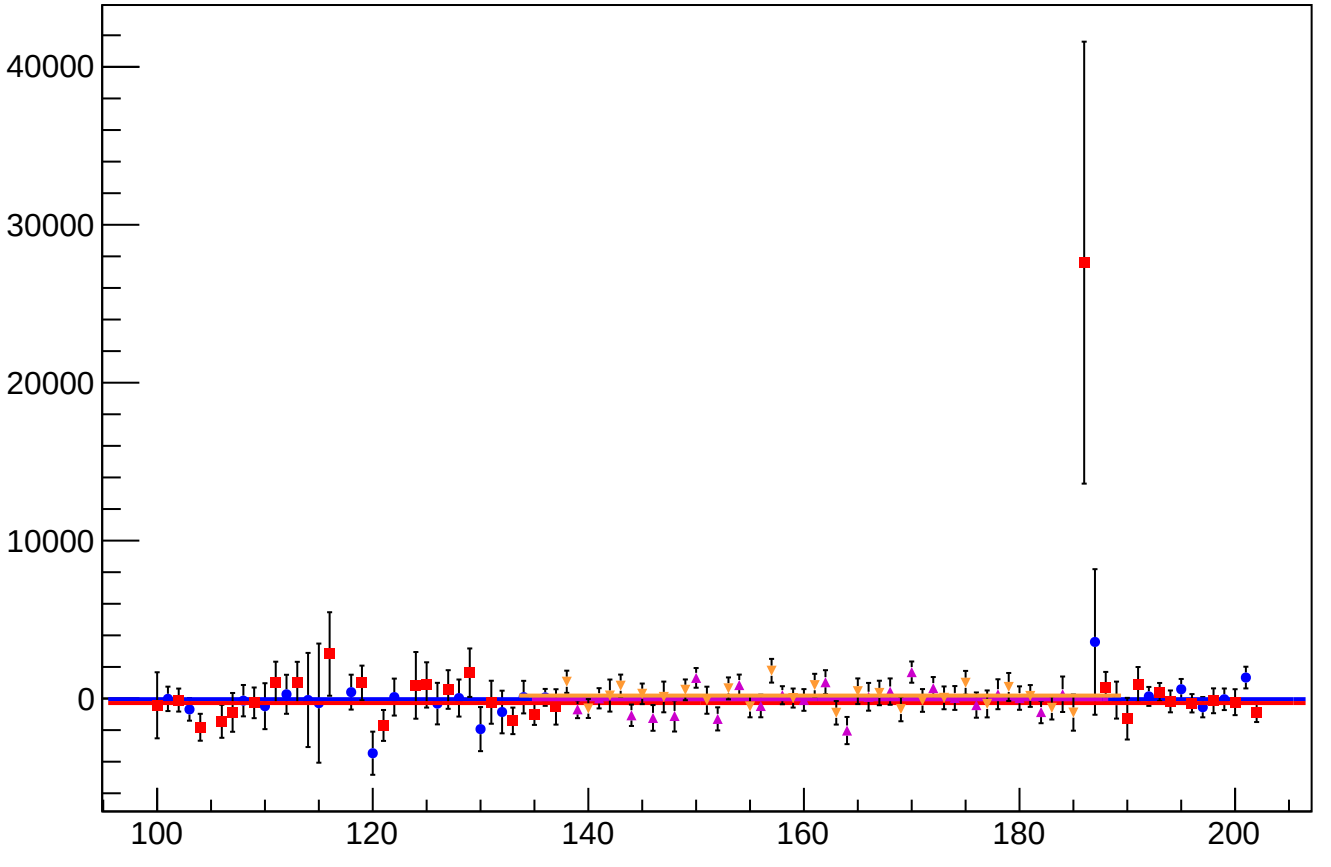
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.581+/-0.012 χ^2/NDF: 809126.8/51

In: 99.233+/-0.013 χ^2/NDF:1092686.0/45

Out: 97.984+/-0.012 χ^2/NDF:1622350.7/53

All: 98.571+/-0.009 χ^2/NDF: 2720094.4/99



Right In: -40.245+/-190.918 χ^2/NDF: 16.0/22

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -287.288+/-176.064 χ^2/NDF: 26.7/28

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

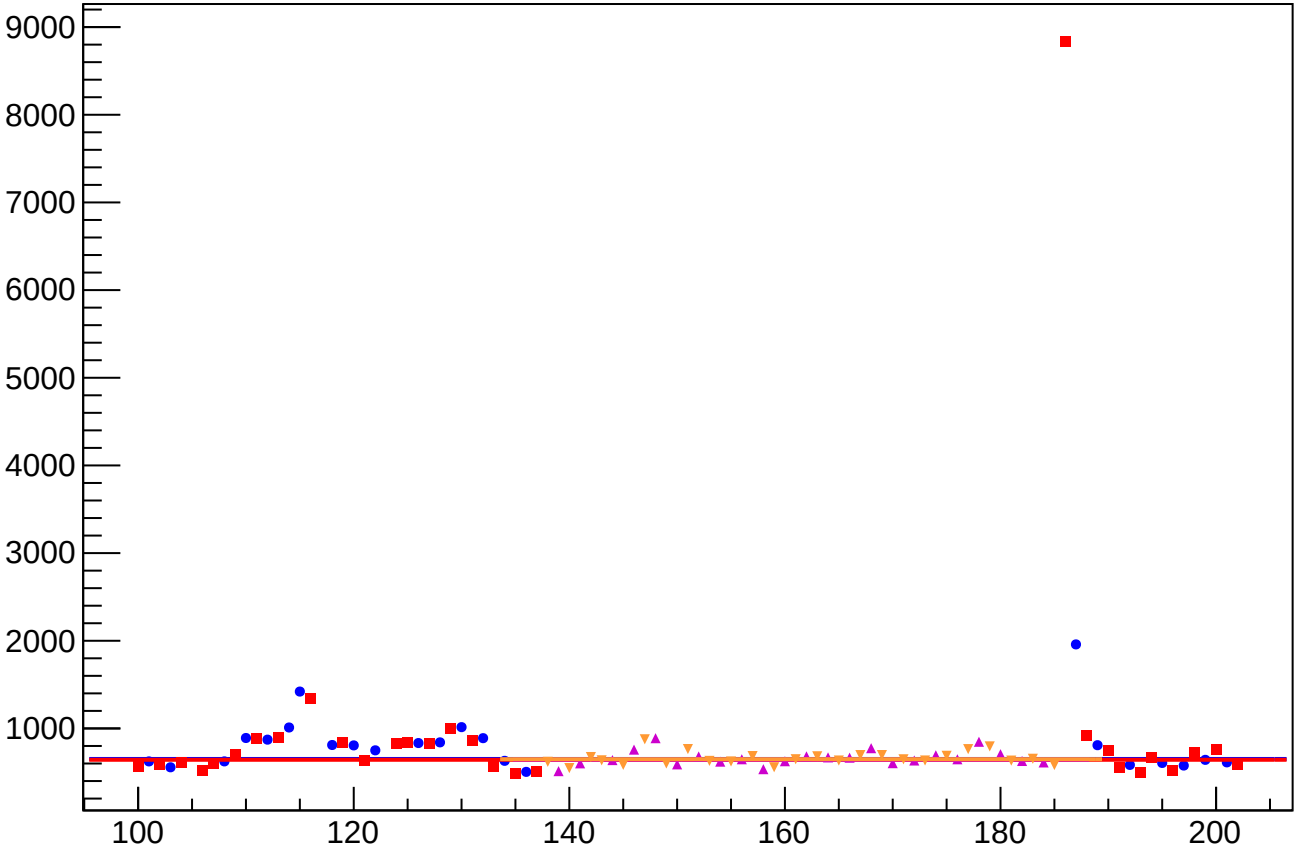
Right: -173.750+/-129.429 χ^2/NDF: 43.6/51

In: -42.084+/-118.943 χ^2/NDF:49.7/45

Out: -10.970+/-113.657 χ^2/NDF:49.9/53

All: -25.820+/-82.173 χ^2/NDF: 99.7/99

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.705+/-0.135 χ^2/NDF: 1056297.7/22

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.582+/-0.124 χ^2/NDF: 1975486.1/28

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

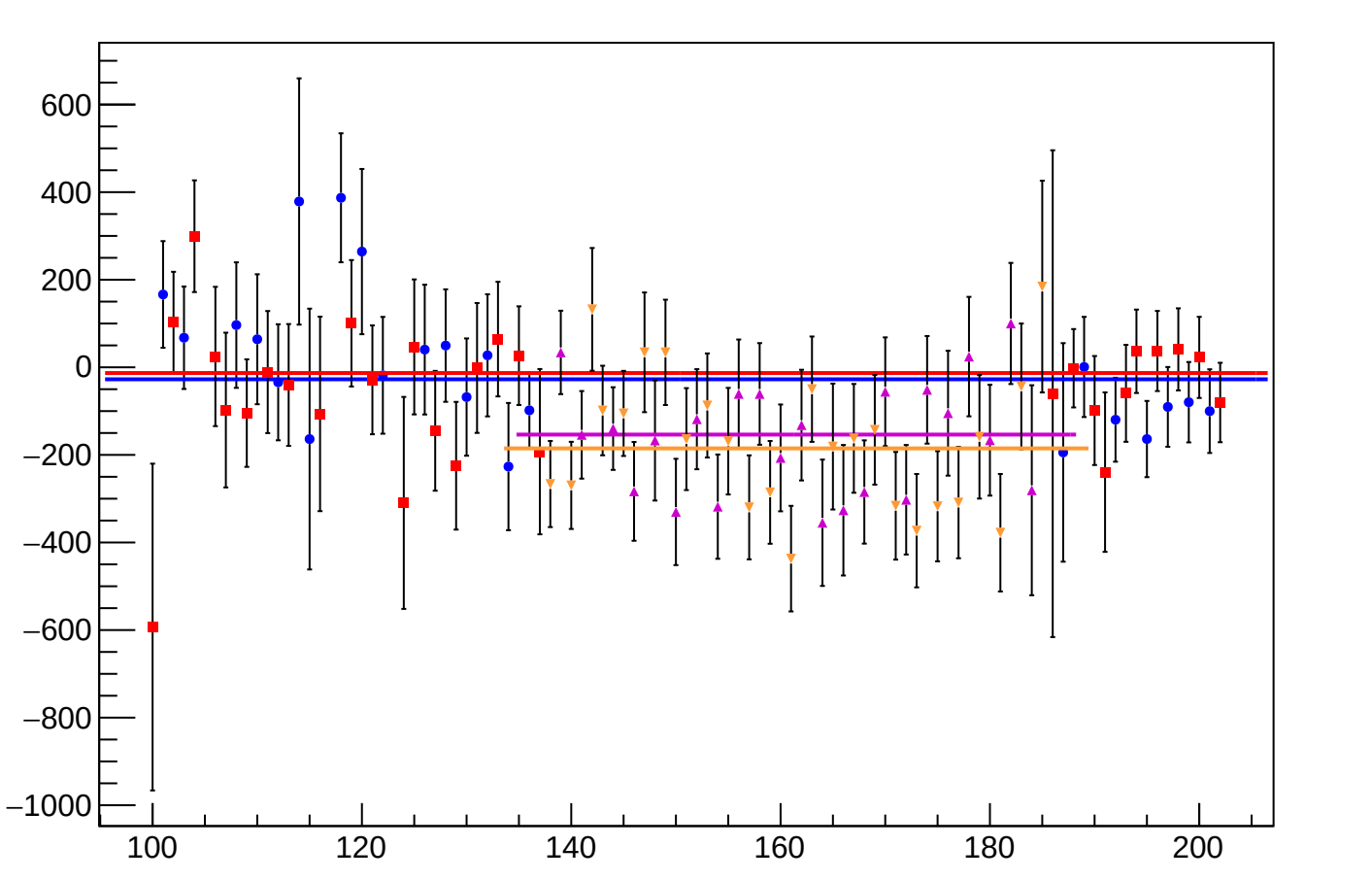
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 646.775+/-0.092 χ^2/NDF: 3034251.7/51

In: 647.035+/-0.084 χ^2/NDF:1617374.6/45

Out: 646.436+/-0.080 χ^2/NDF:2395494.3/53

All: 646.722+/-0.058 χ^2/NDF: 4012895.4/99



Right In: -27.377+/-25.601 χ^2/NDF: 25.6/22

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -13.055+/-23.737 χ^2/NDF: 21.0/28

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

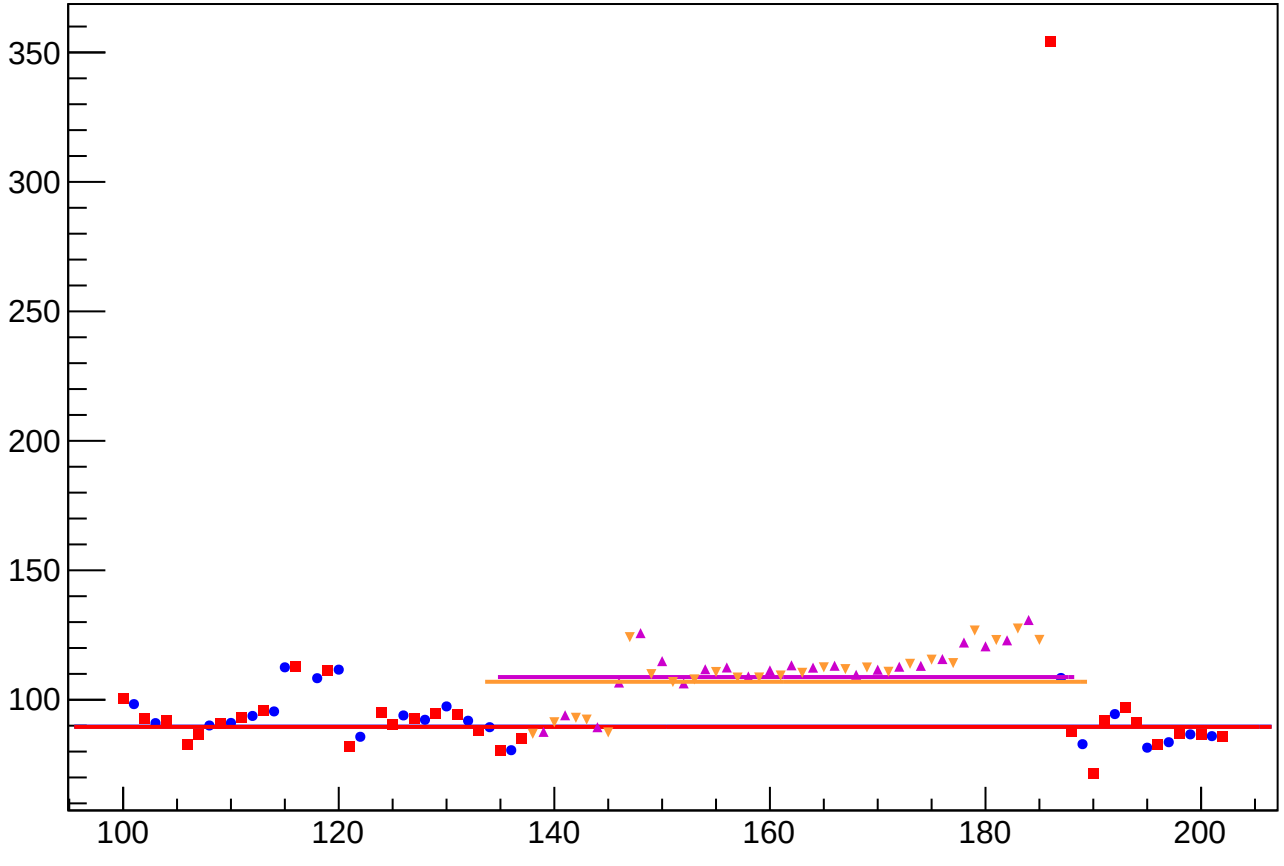
Right: -19.676+/-17.406 χ^2/NDF: 46.8/51

In: -90.659+/-18.080 χ^2/NDF:61.3/45

Out: -96.549+/-17.032 χ^2/NDF:79.6/53

All: -93.780+/-12.397 χ^2/NDF: 140.9/99

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.639+/-0.018 χ^2/NDF: 173804.1/22

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.531+/-0.017 χ^2/NDF: 635303.5/28

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

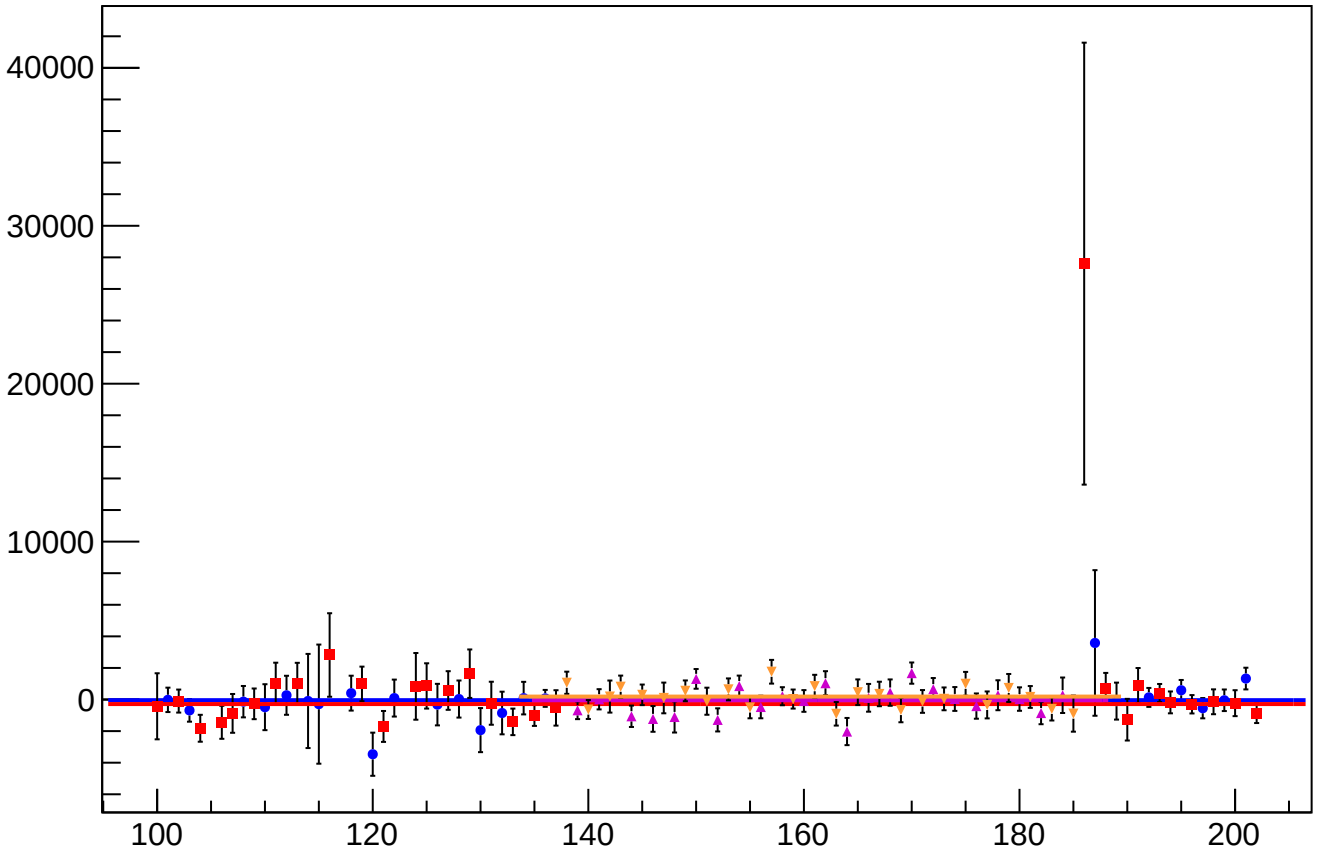
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.581+/-0.012 χ^2/NDF: 809126.8/51

In: 99.233+/-0.013 χ^2/NDF:1092686.0/45

Out: 97.984+/-0.012 χ^2/NDF:1622350.7/53

All: 98.571+/-0.009 χ^2/NDF: 2720094.4/99



Right In: -40.245+/-190.918 χ^2/NDF: 16.0/22

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -287.288+/-176.064 χ^2/NDF: 26.7/28

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

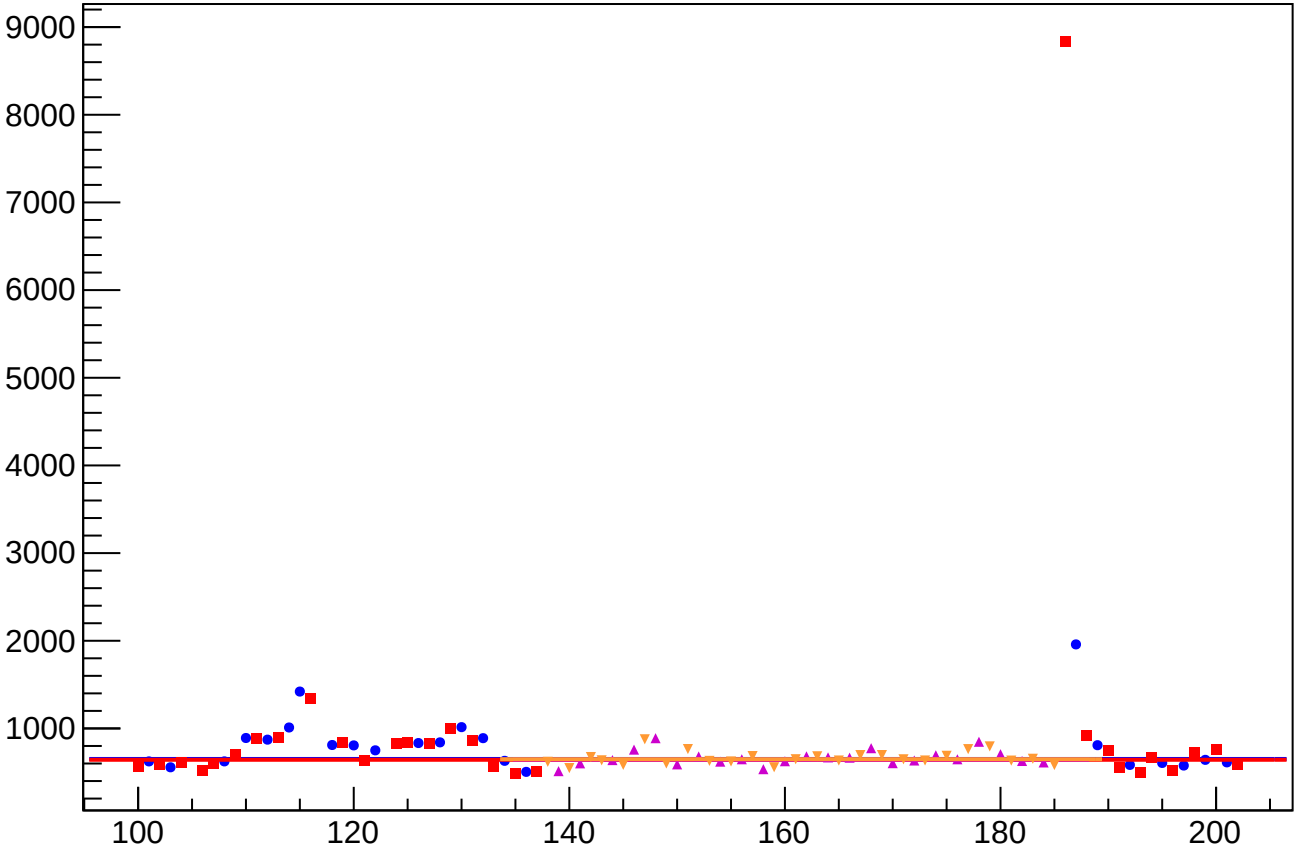
Right: -173.750+/-129.429 χ^2/NDF: 43.6/51

In: -42.084+/-118.943 χ^2/NDF:49.7/45

Out: -10.970+/-113.657 χ^2/NDF:49.9/53

All: -25.820+/-82.173 χ^2/NDF: 99.7/99

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.705+/-0.135 χ^2/NDF: 1056297.7/22

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.582+/-0.124 χ^2/NDF: 1975486.1/28

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

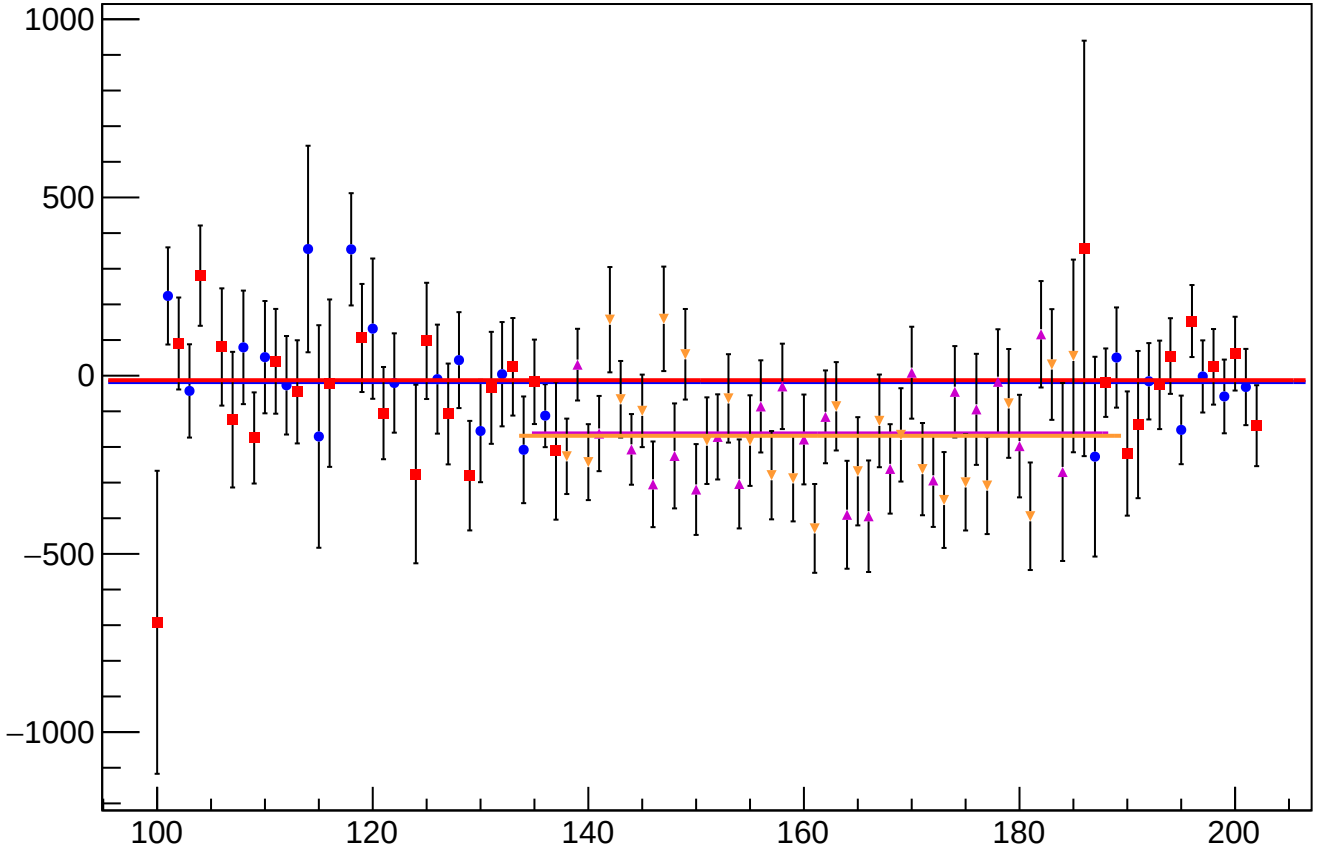
Right: 646.775+/-0.092 χ^2/NDF: 3034251.7/51

In: 647.035+/-0.084 χ^2/NDF:1617374.6/45

Out: 646.436+/-0.080 χ^2/NDF:2395494.3/53

All: 646.722+/-0.058 χ^2/NDF: 4012895.4/99

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -17.944+/-27.871 χ^2/NDF: 18.7/22

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -12.720+/-26.045 χ^2/NDF: 24.5/28

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

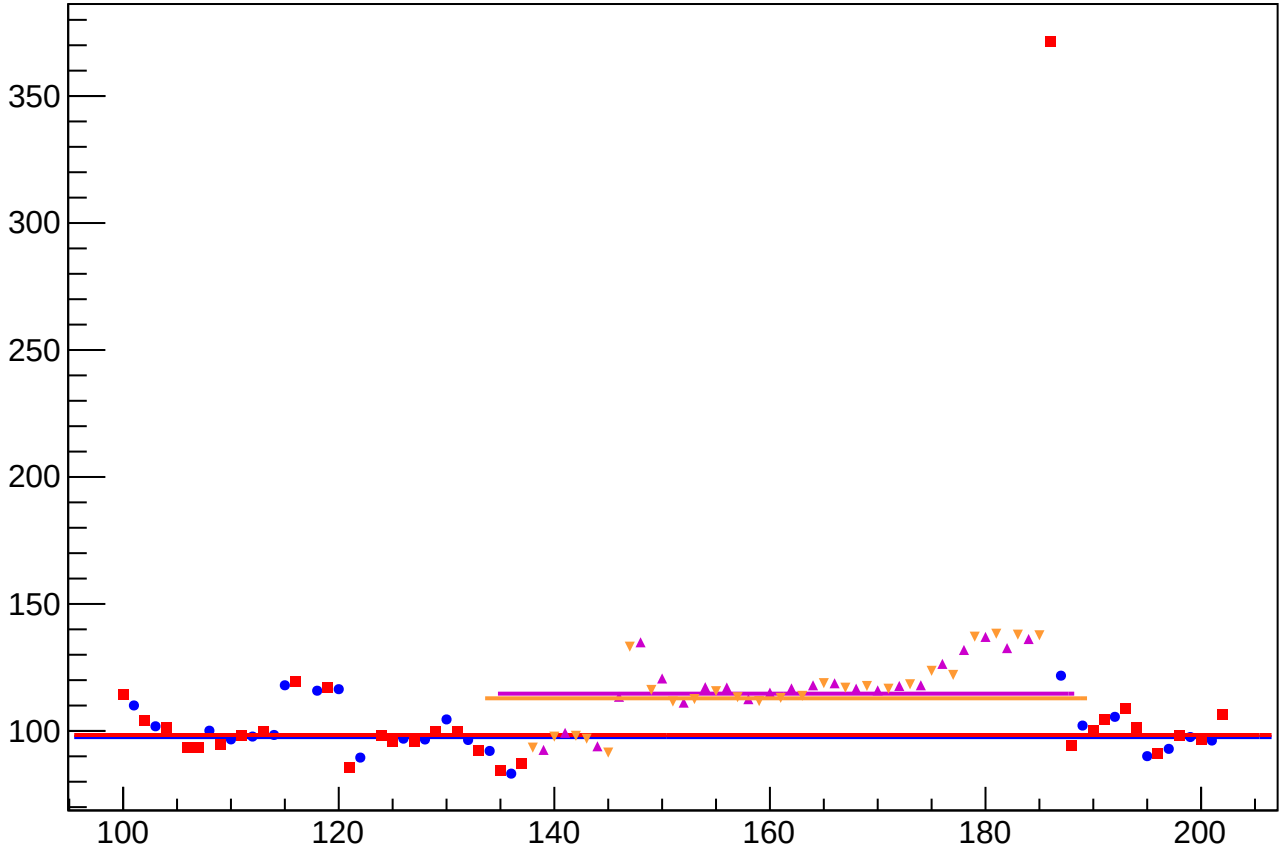
Right: -15.155+/-19.029 χ^2/NDF: 43.2/51

In: -92.412+/-19.373 χ^2/NDF:56.1/45

Out: -91.354+/-18.336 χ^2/NDF:74.9/53

All: -91.854+/-13.317 χ^2/NDF: 131.0/99

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.567+/-0.020 χ^2/NDF: 185456.9/22

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.396+/-0.018 χ^2/NDF: 599546.3/28

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

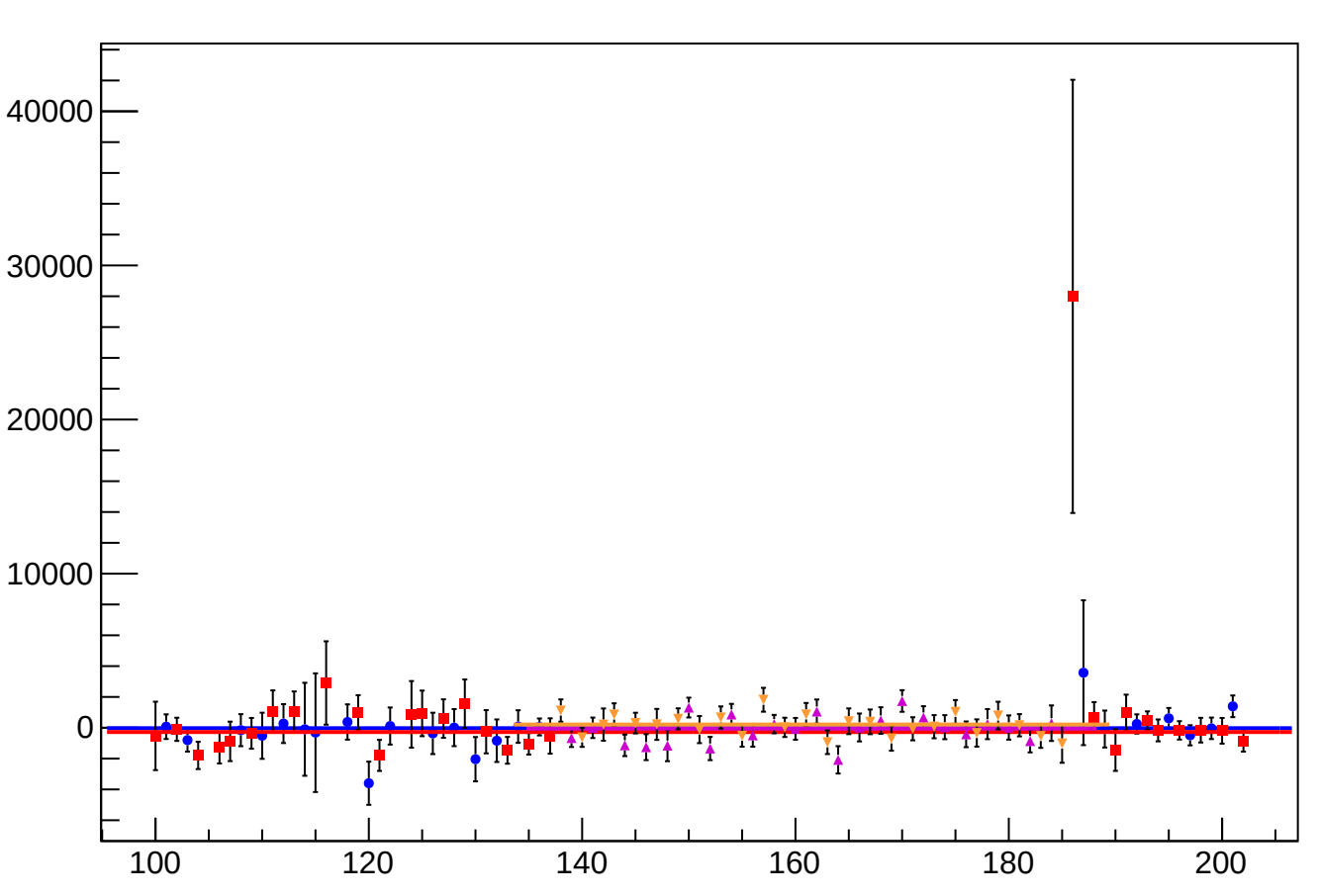
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 98.010+/-0.013 χ^2/NDF: 785949.9/51

In: 106.410+/-0.014 χ^2/NDF:984986.9/45

Out: 105.686+/-0.013 χ^2/NDF:1422434.0/53

All: 106.028+/-0.009 χ^2/NDF: 2408894.6/99



Right In: -28.665+/-196.461 χ^2/NDF: 16.6/22

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -277.003+/-181.650 χ^2/NDF: 26.3/28

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

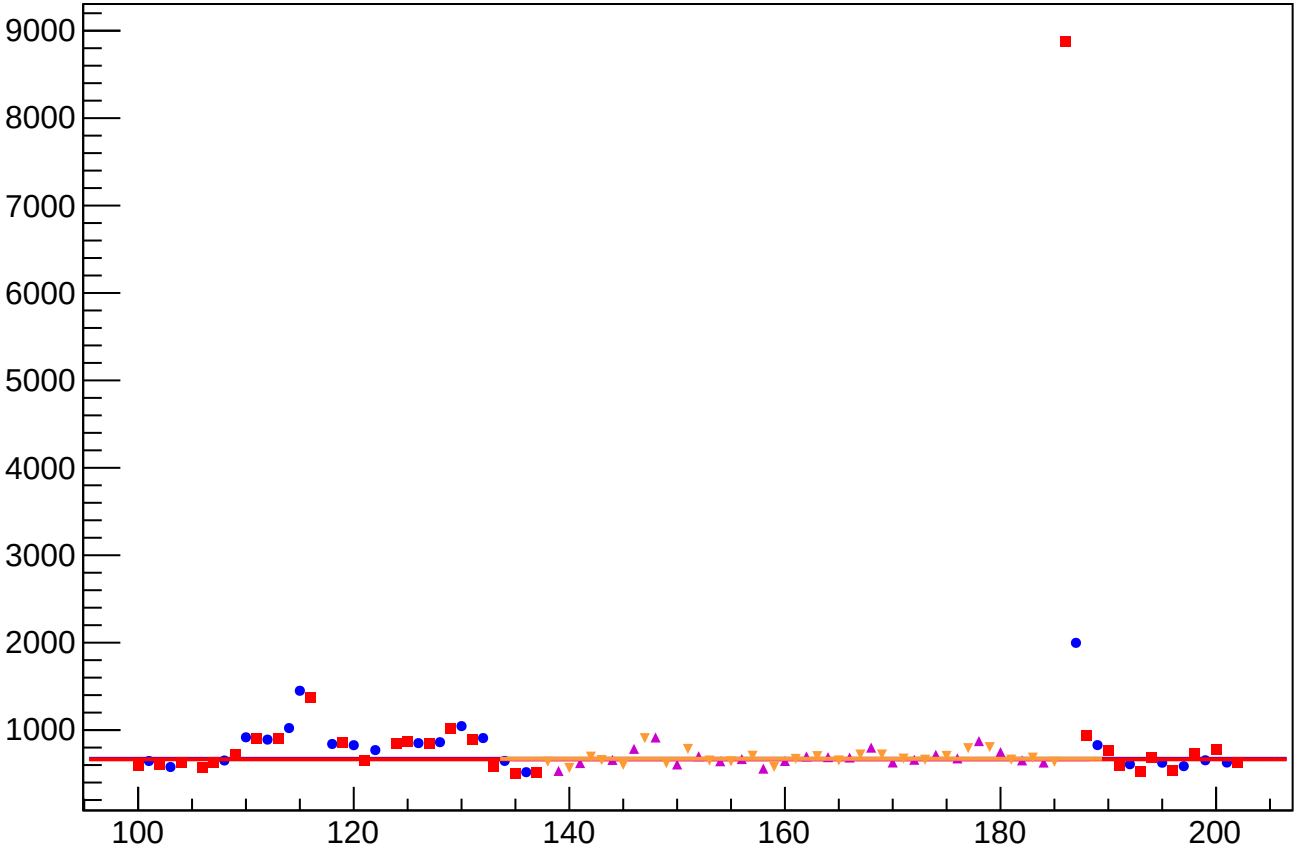
Right: -162.547+/-133.375 χ^2/NDF: 43.8/51

In: -41.816+/-122.879 χ^2/NDF:49.9/45

Out: 6.099+/-117.434 χ^2/NDF:49.4/53

All: -16.774+/-84.898 χ^2/NDF: 99.4/99

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 671.164+/-0.139 χ^2/NDF: 1040124.5/22

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.865+/-0.128 χ^2/NDF: 1887579.8/28

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

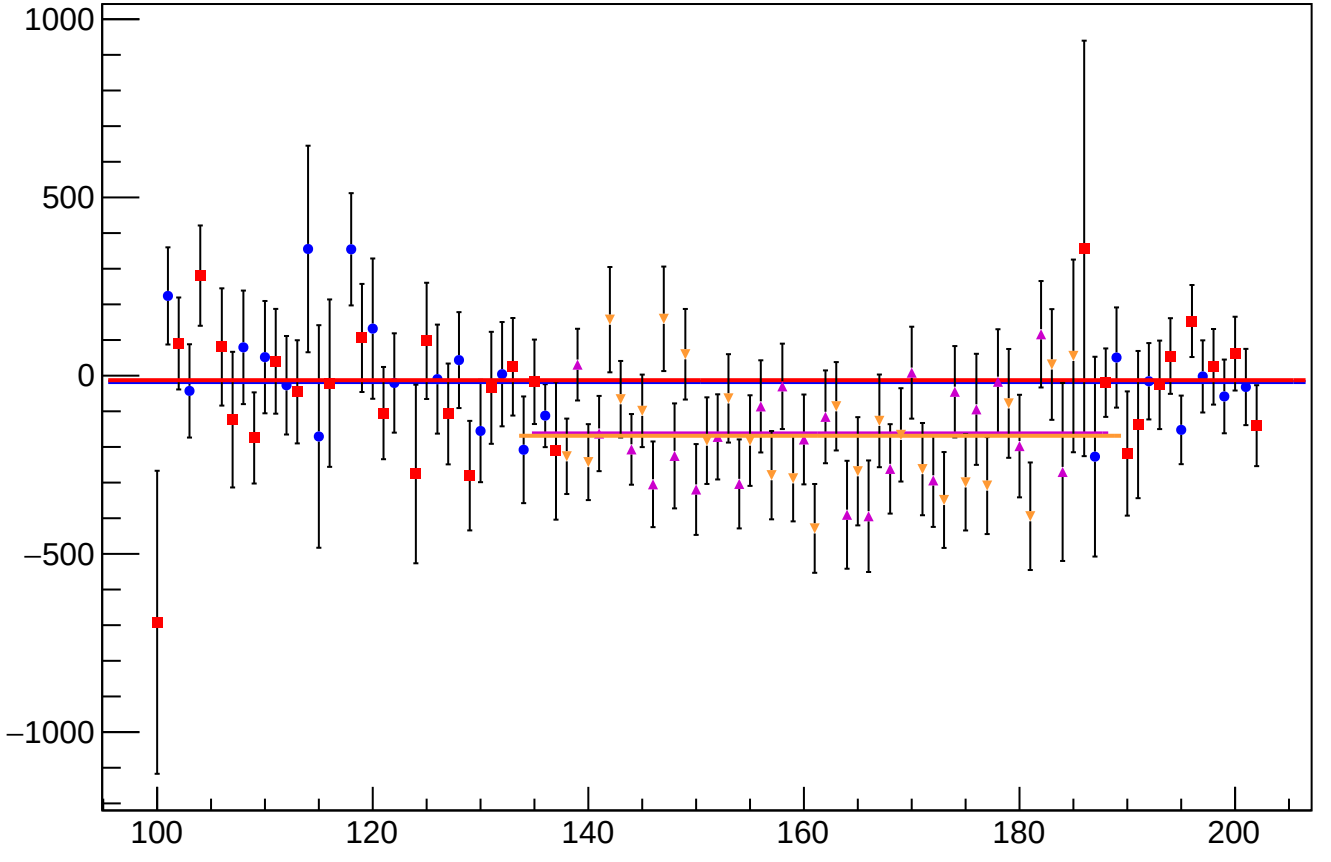
Right: 668.307+/-0.094 χ^2/NDF: 2928488.8/51

In: 668.837+/-0.087 χ^2/NDF:1587489.1/45

Out: 669.348+/-0.083 χ^2/NDF:2288003.0/53

All: 669.104+/-0.060 χ^2/NDF: 3875510.2/99

eigen_dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -17.943+/-27.871 χ^2/NDF: 18.7/22

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -12.720+/-26.045 χ^2/NDF: 24.5/28

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

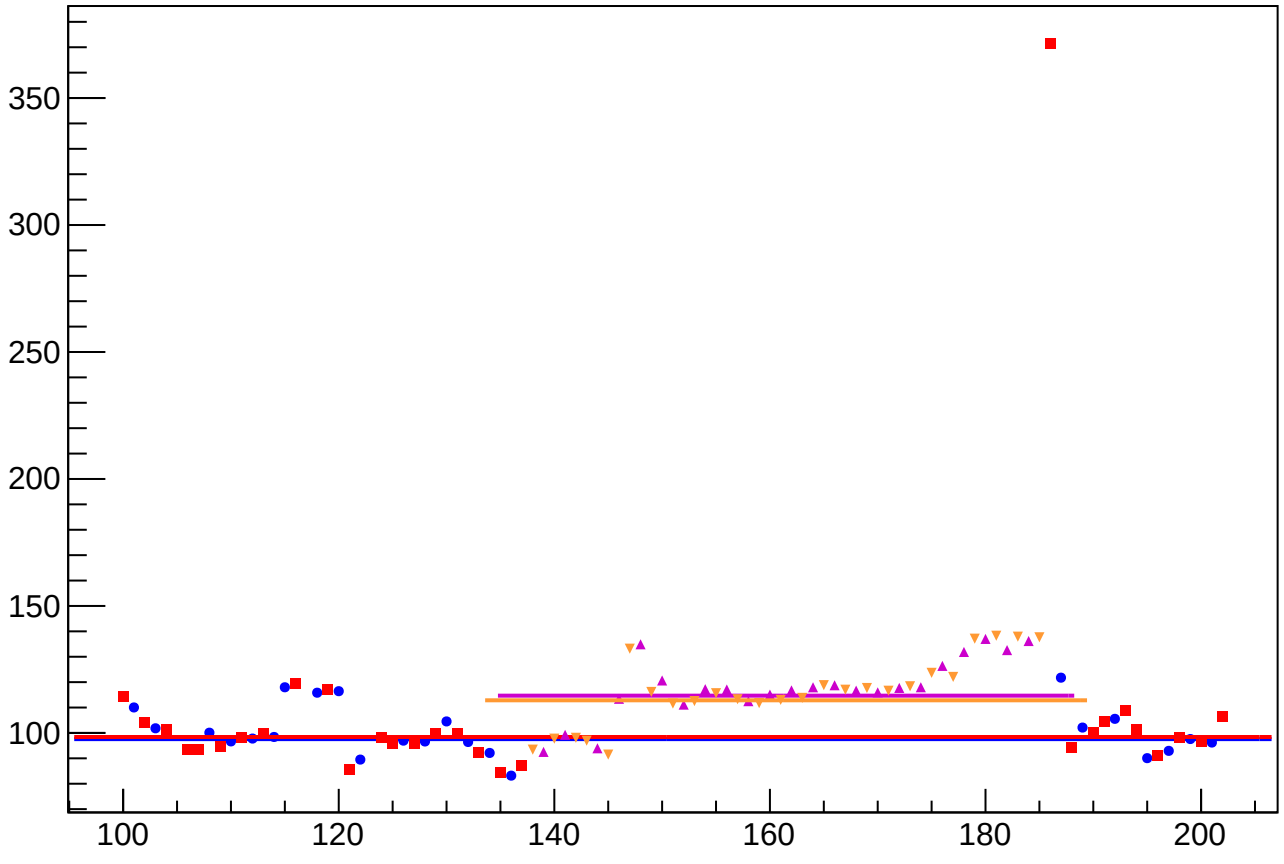
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -15.155+/-19.029 χ^2/NDF: 43.2/51

In: -92.411+/-19.373 χ^2/NDF:56.1/45

Out: -91.355+/-18.336 χ^2/NDF:74.9/53

All: -91.854+/-13.317 χ^2/NDF: 131.0/99



Right In: 97.566+/-0.020 χ^2/NDF: 185460.2/22

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 98.396+/-0.018 χ^2/NDF: 599546.1/28

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

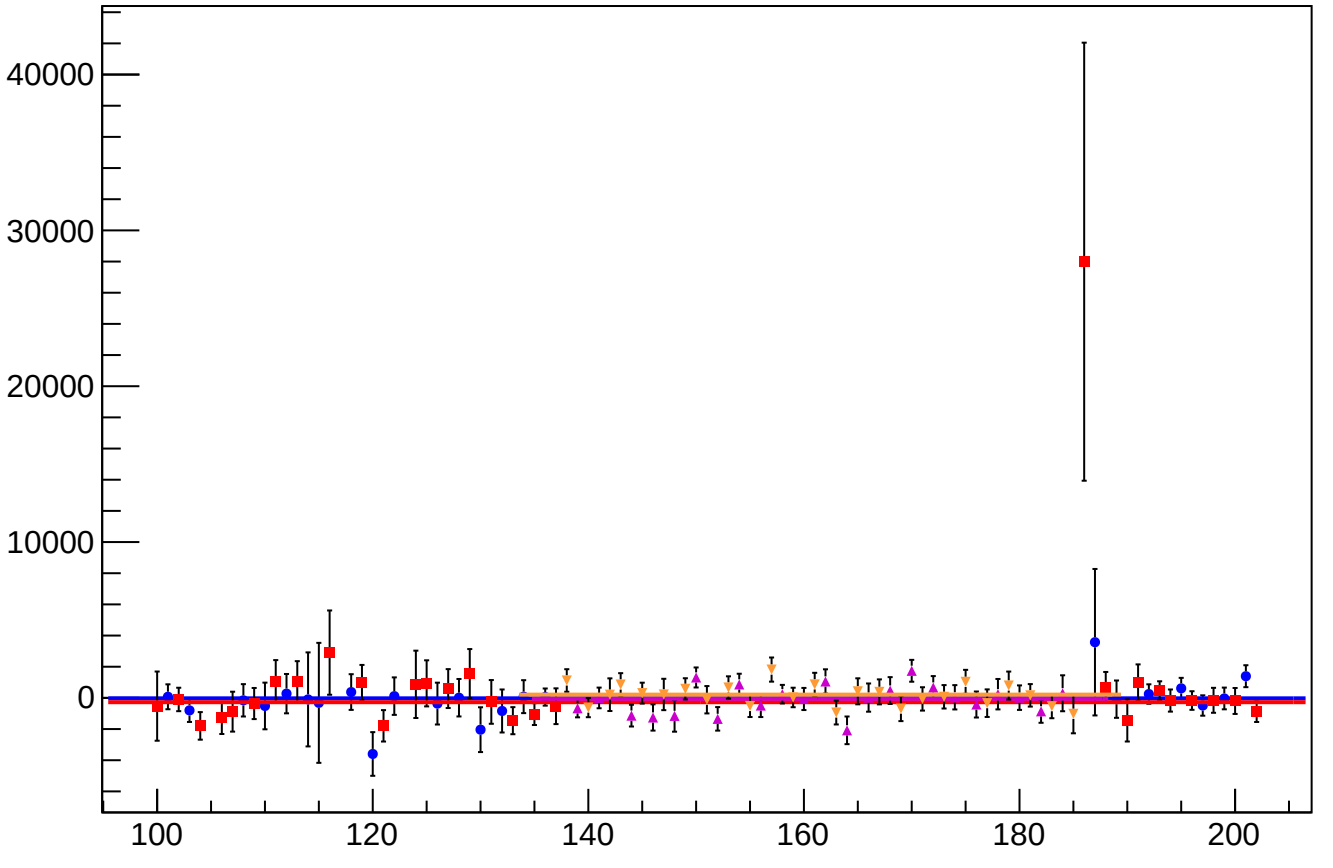
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 98.009+/-0.013 χ^2/NDF: 785953.2/51

In: 106.410+/-0.014 χ^2/NDF:984997.7/45

Out: 105.686+/-0.013 χ^2/NDF:1422432.9/53

All: 106.028+/-0.009 χ^2/NDF: 2408904.4/99



Right In: -28.665+/-196.461 χ^2/NDF: 16.6/22

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -277.003+/-181.650 χ^2/NDF: 26.3/28

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

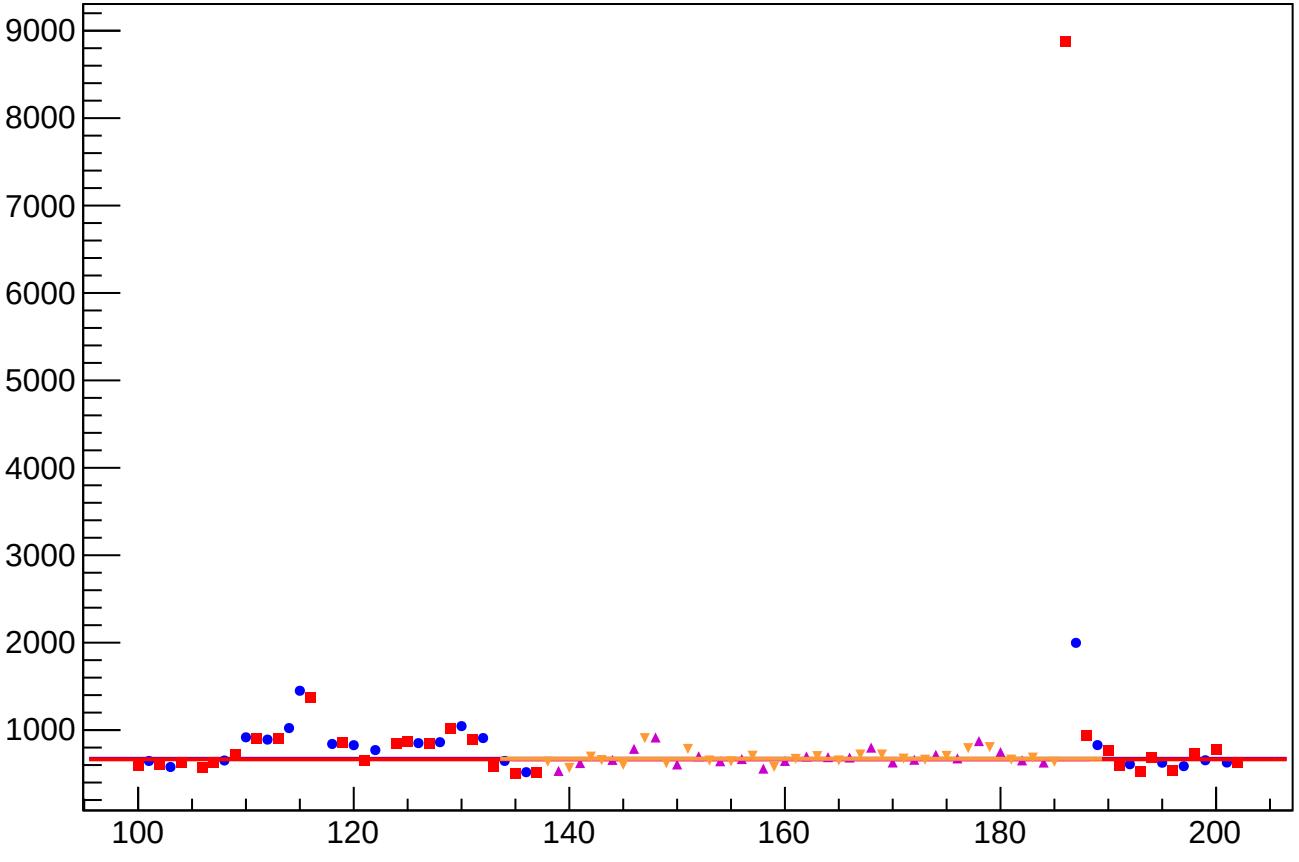
Right: -162.547+/-133.375 χ^2/NDF: 43.8/51

In: -41.816+/-122.879 χ^2/NDF:49.9/45

Out: 6.098+/-117.434 χ^2/NDF:49.4/53

All: -16.774+/-84.898 χ^2/NDF: 99.4/99

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 671.163+/-0.139 χ^2/NDF: 1040125.9/22

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.864+/-0.128 χ^2/NDF: 1887584.5/28

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

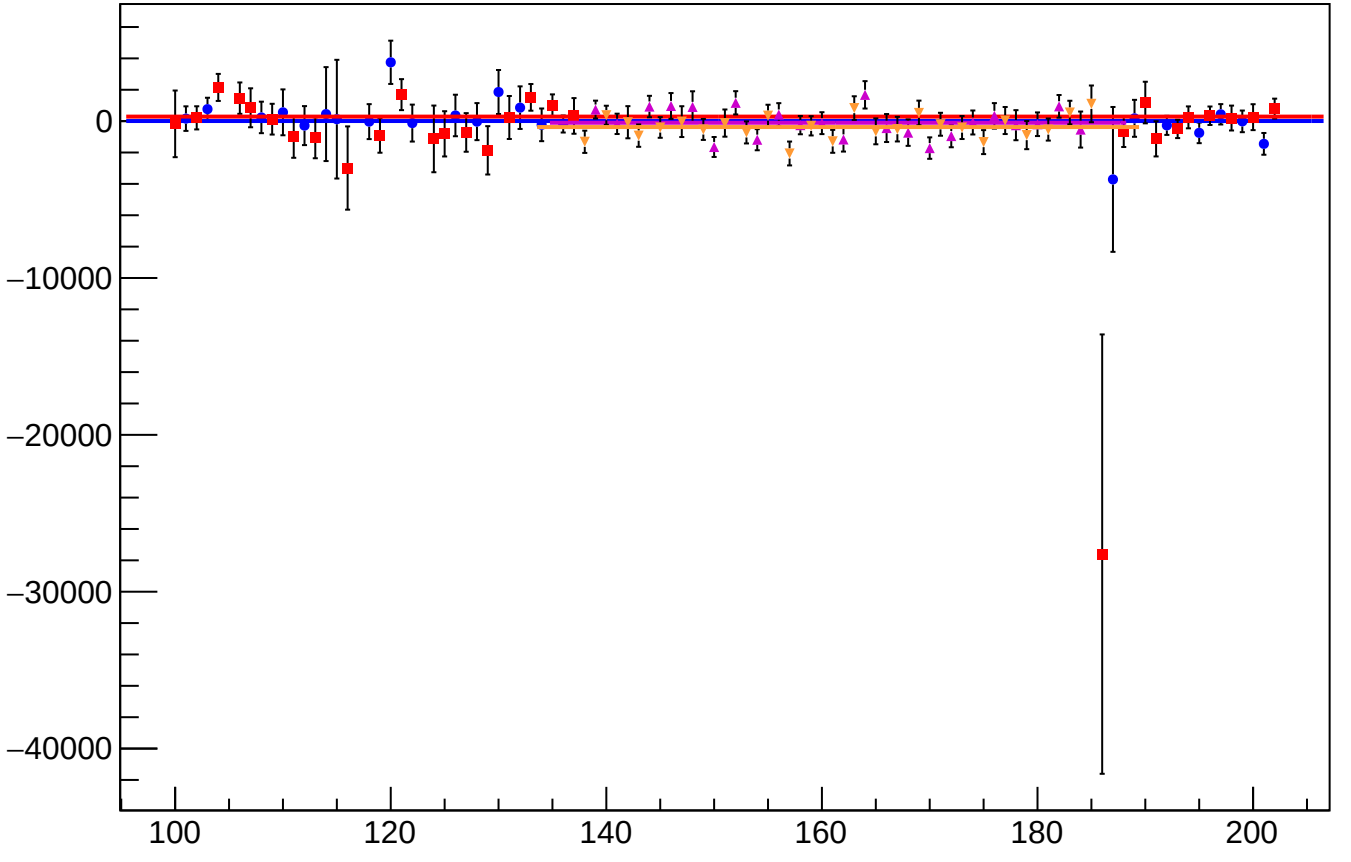
Right: 668.307+/-0.094 χ^2/NDF: 2928494.9/51

In: 668.837+/-0.087 χ^2/NDF:1587492.4/45

Out: 669.348+/-0.083 χ^2/NDF:2288008.5/53

All: 669.104+/-0.060 χ^2/NDF: 3875519.0/99

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 6.874+/-192.905 χ^2/NDF: 18.2/22

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 288.087+/-177.714 χ^2/NDF: 29.4/28

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

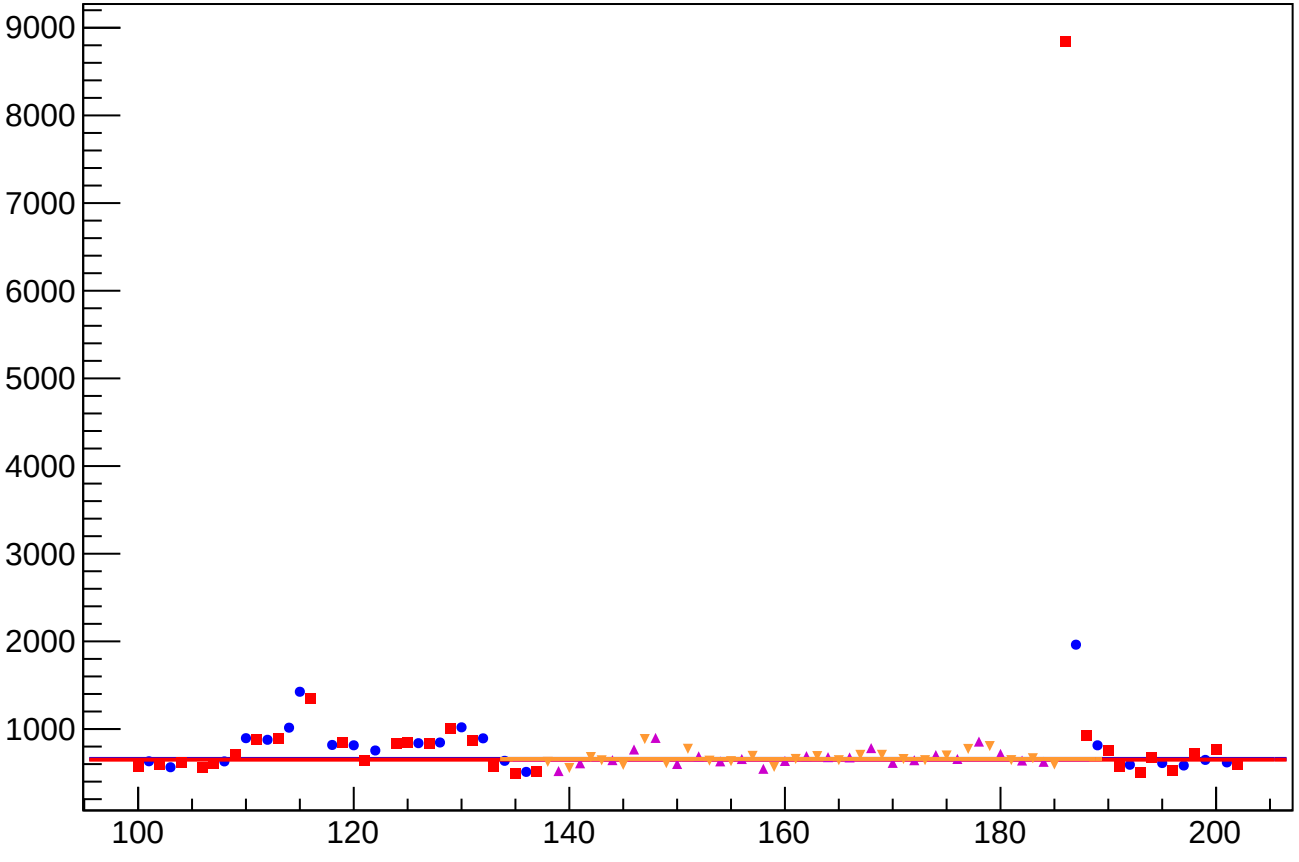
Right: 158.987+/-130.704 χ^2/NDF: 48.8/51

In: -60.314+/-120.512 χ^2/NDF:53.9/45

Out: -98.385+/-115.050 χ^2/NDF:59.0/53

All: -80.232+/-83.216 χ^2/NDF: 113.0/99

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 658.936+/-0.136 χ^2/NDF: 1033415.1/22

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 650.804+/-0.126 χ^2/NDF: 1927224.6/28

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

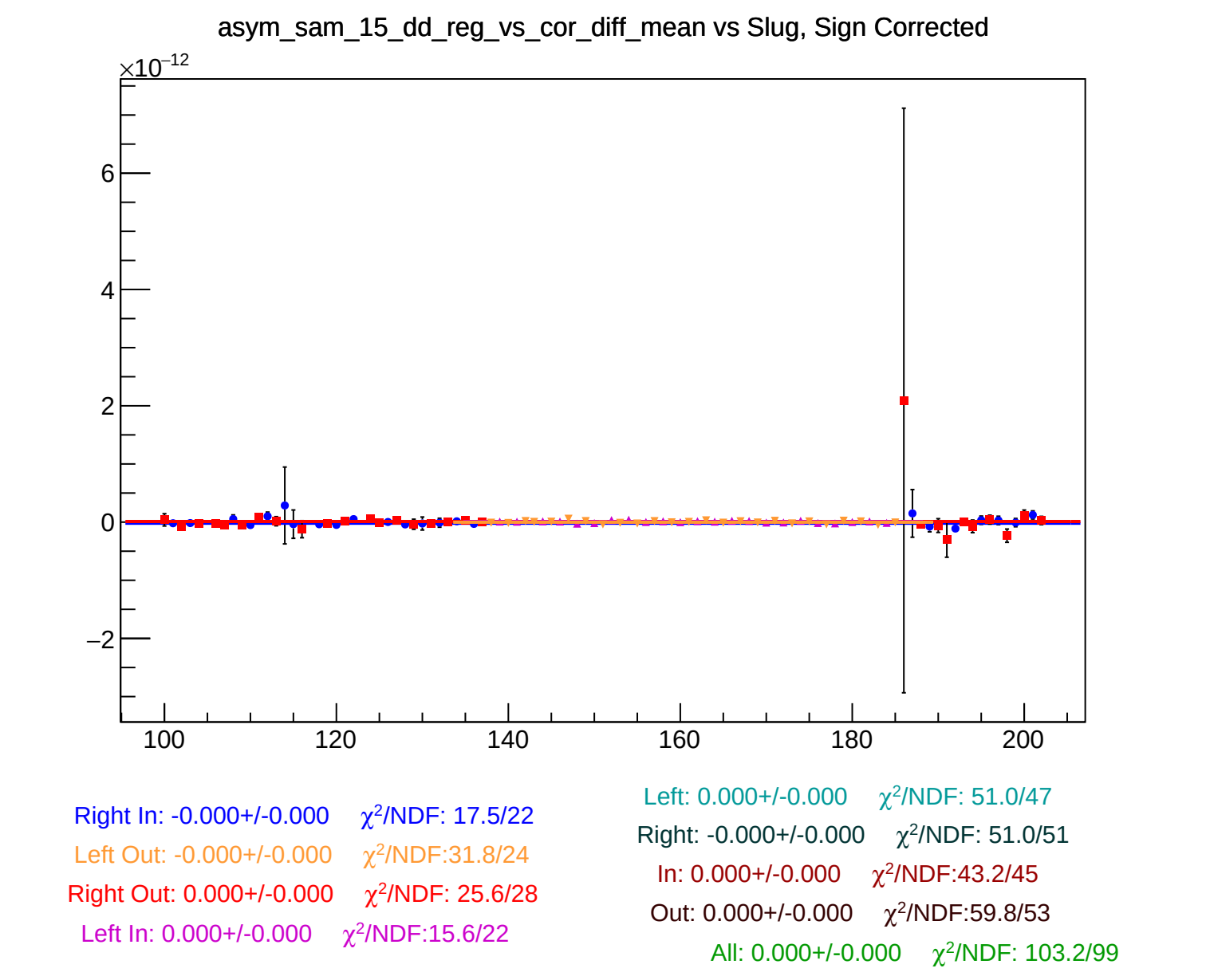
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

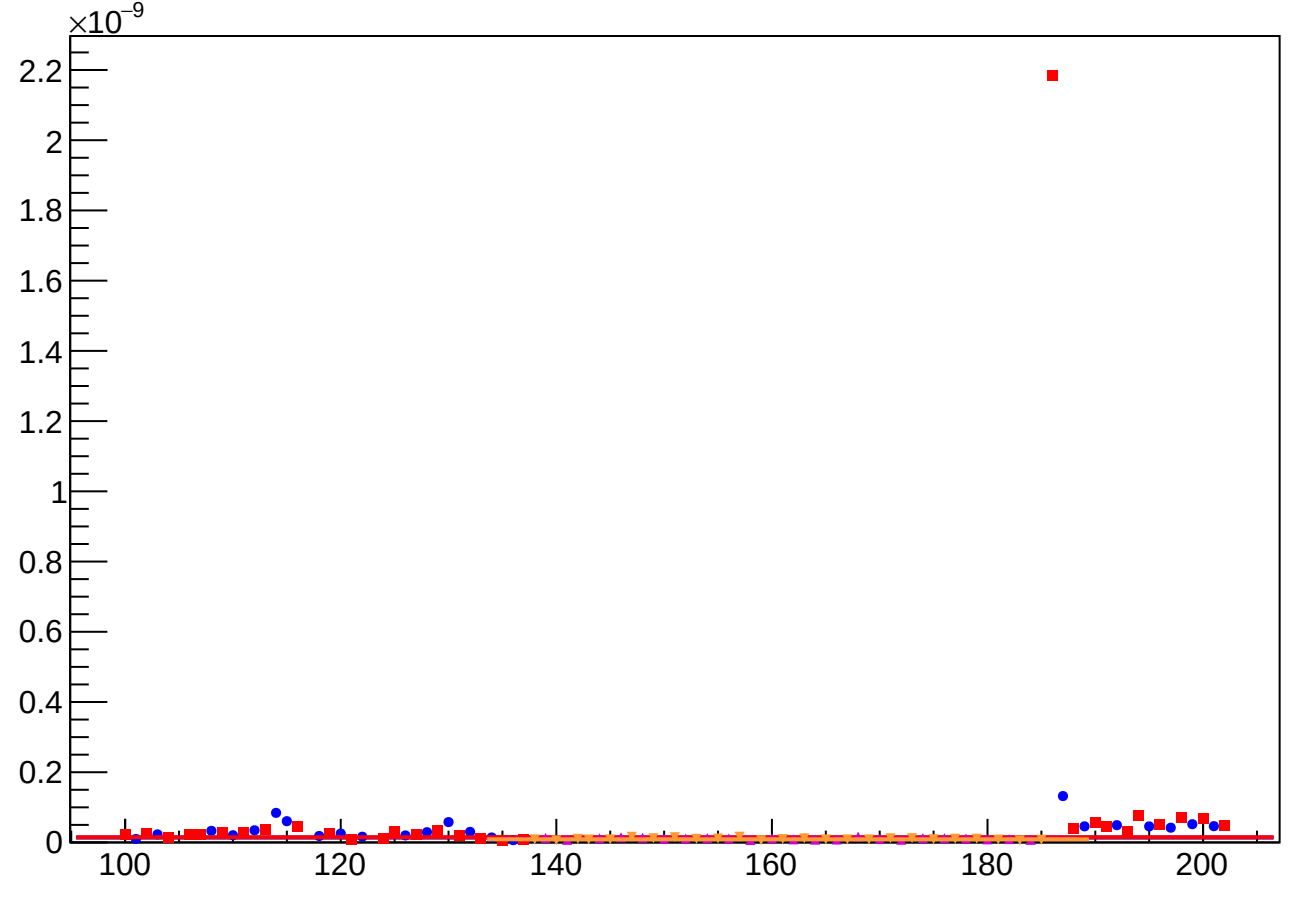
Right: 654.537+/-0.092 χ^2/NDF: 2962562.2/51

In: 655.896+/-0.085 χ^2/NDF:1576307.7/45

Out: 655.374+/-0.081 χ^2/NDF:2339186.6/53

All: 655.623+/-0.059 χ^2/NDF: 3915513.9/99


asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.5/22
Left Out: -0.000+/-0.000 χ²/NDF:31.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.6/28
Left In: 0.000+/-0.000 χ²/NDF:15.6/22
Left: 0.000+/-0.000 χ²/NDF: 51.0/47
Right: -0.000+/-0.000 χ²/NDF: 51.0/51
In: 0.000+/-0.000 χ²/NDF:43.2/45
Out: 0.000+/-0.000 χ²/NDF:59.8/53
All: 0.000+/-0.000 χ²/NDF: 103.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 4953548.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6310265.2/28

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

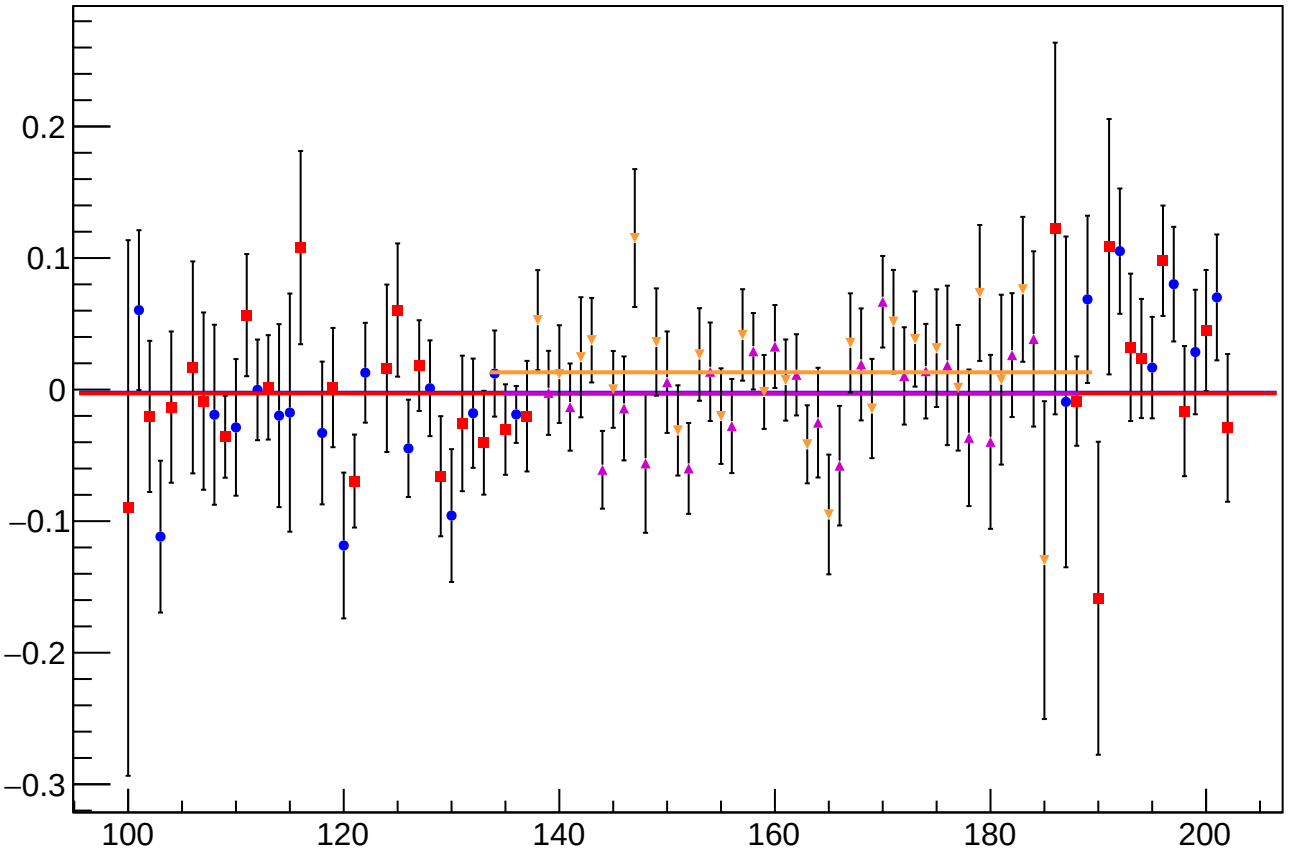
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11271450.9/51

In: 0.000+/-0.000 χ^2/NDF:6024475.9/45

Out: 0.000+/-0.000 χ^2/NDF:8315910.1/53

All: 0.000+/-0.000 χ^2/NDF: 14442152.8/99



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

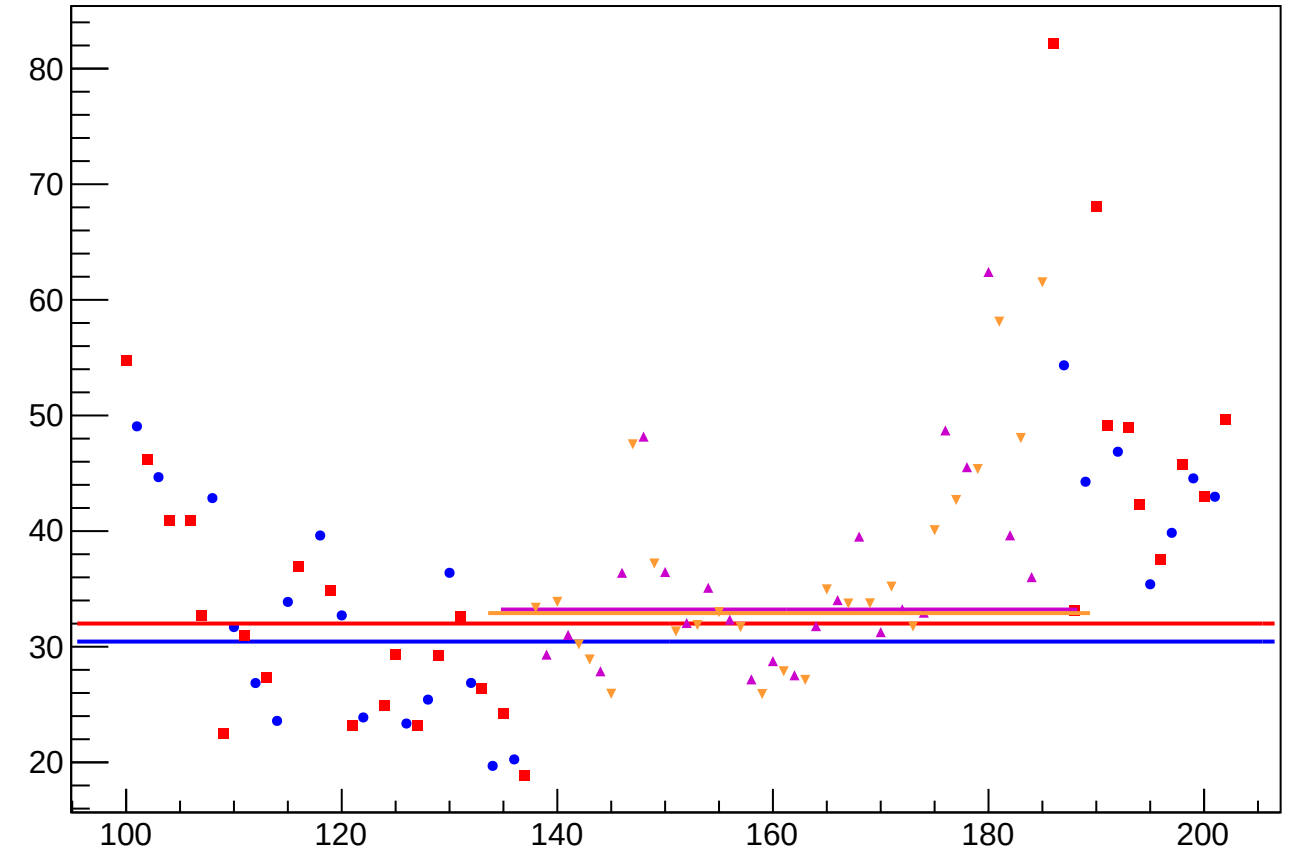
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.003+/-0.006 χ^2/NDF: 55.1/51

In: -0.003+/-0.006 χ^2/NDF:47.7/45

Out: 0.006+/-0.006 χ^2/NDF:53.8/53

All: 0.002+/-0.004 χ^2/NDF: 102.7/99



Right In: 30.446+/-0.006 χ^2/NDF: 2196076.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.006+/-0.006 χ^2/NDF: 2368604.5/28

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

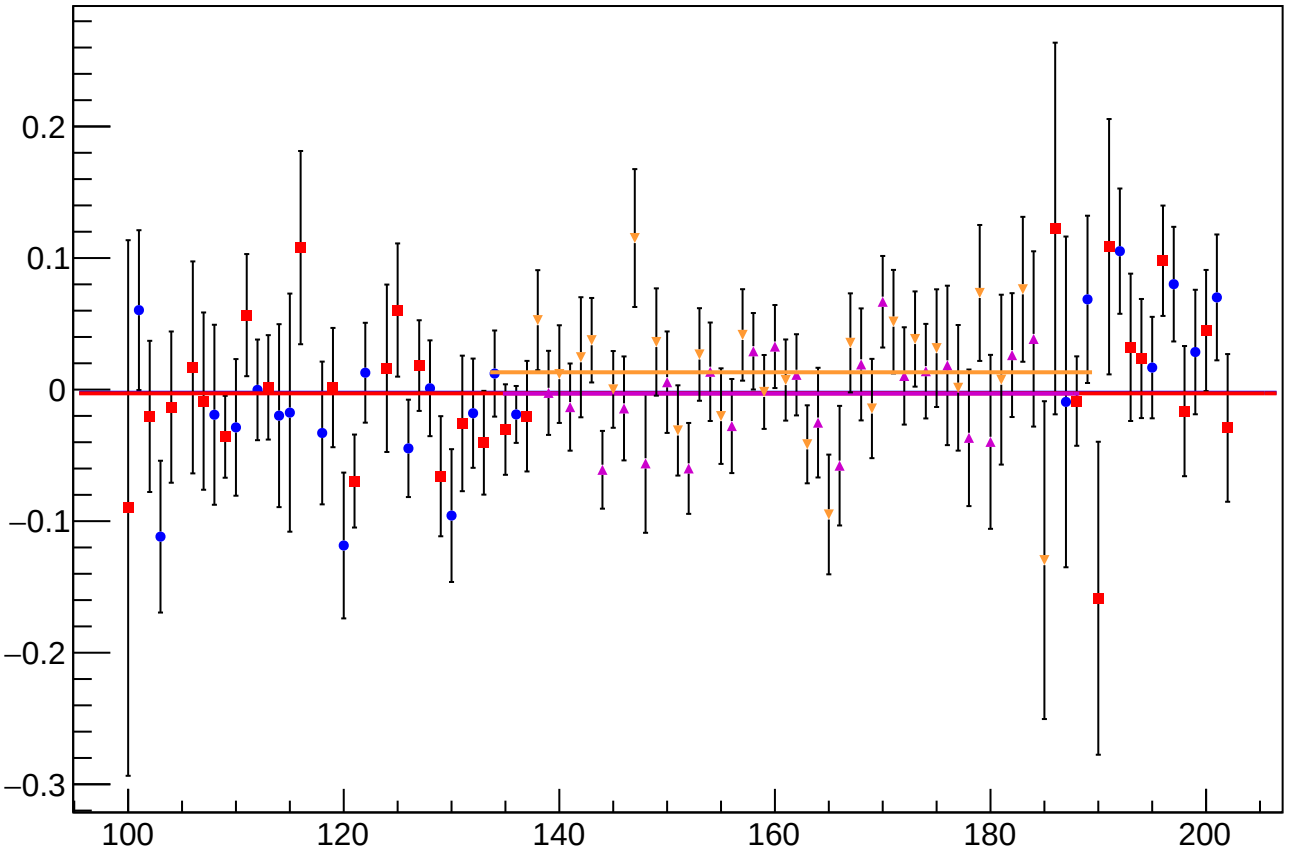
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.251+/-0.005 χ^2/NDF: 4594525.9/51

In: 32.026+/-0.004 χ^2/NDF:3521585.9/45

Out: 32.522+/-0.004 χ^2/NDF:3808299.1/53

All: 32.282+/-0.003 χ^2/NDF: 7336931.3/99



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

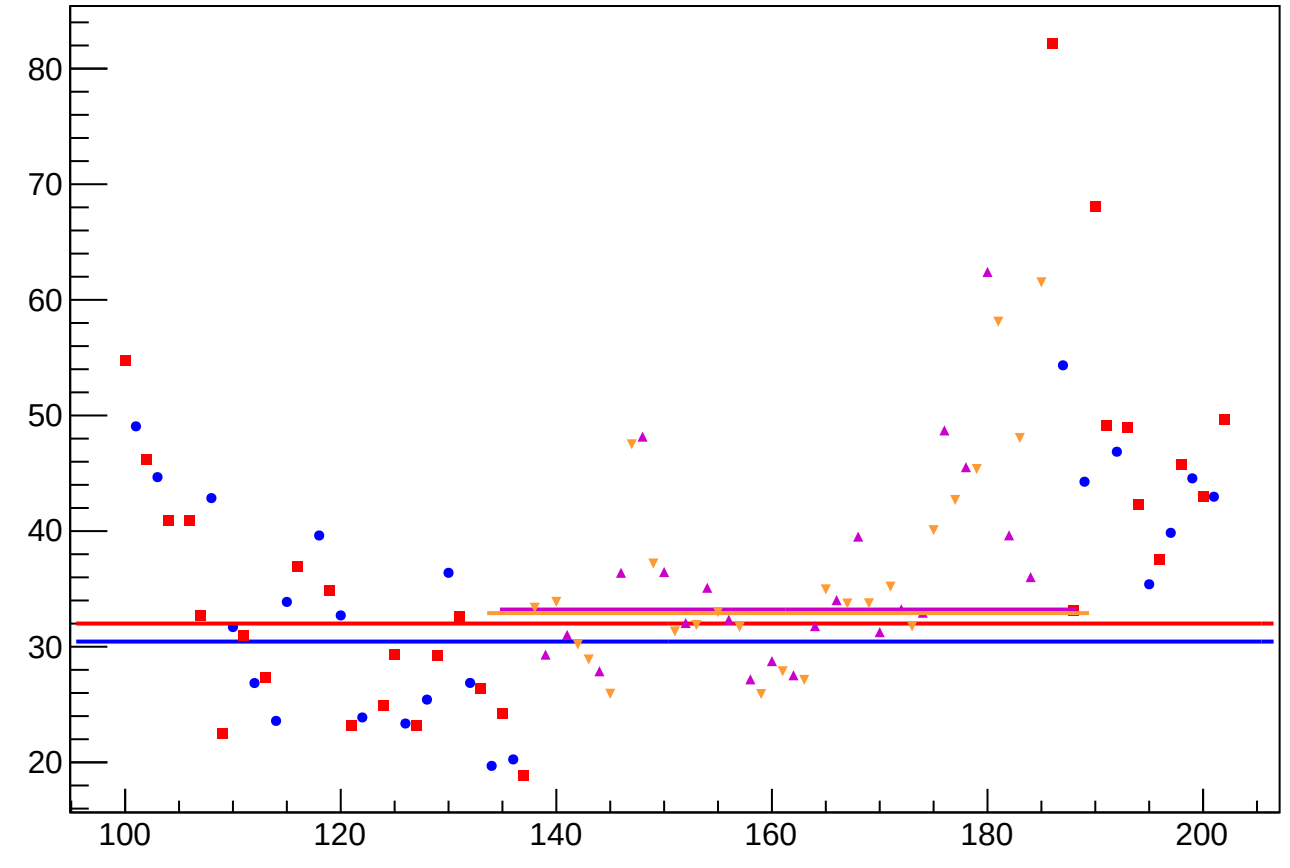
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.003+/-0.006 χ^2/NDF: 55.1/51

In: -0.003+/-0.006 χ^2/NDF:47.7/45

Out: 0.006+/-0.006 χ^2/NDF:53.8/53

All: 0.002+/-0.004 χ^2/NDF: 102.7/99



Right In: 30.446+/-0.006 χ^2/NDF: 2196076.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.006+/-0.006 χ^2/NDF: 2368604.5/28

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

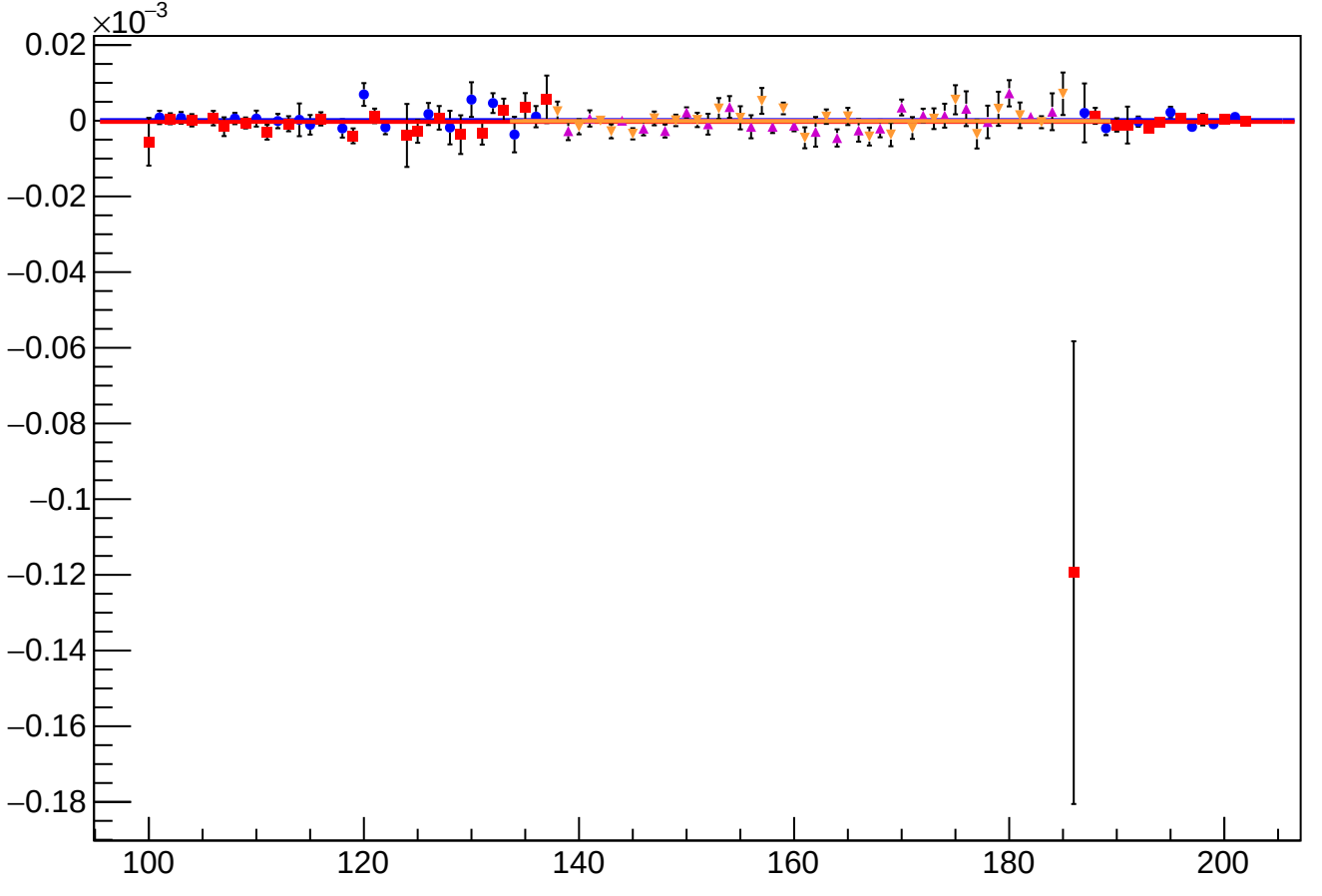
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.251+/-0.005 χ^2/NDF: 4594525.9/51

In: 32.026+/-0.004 χ^2/NDF:3521585.9/45

Out: 32.522+/-0.004 χ^2/NDF:3808299.1/53

All: 32.282+/-0.003 χ^2/NDF: 7336931.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/28

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

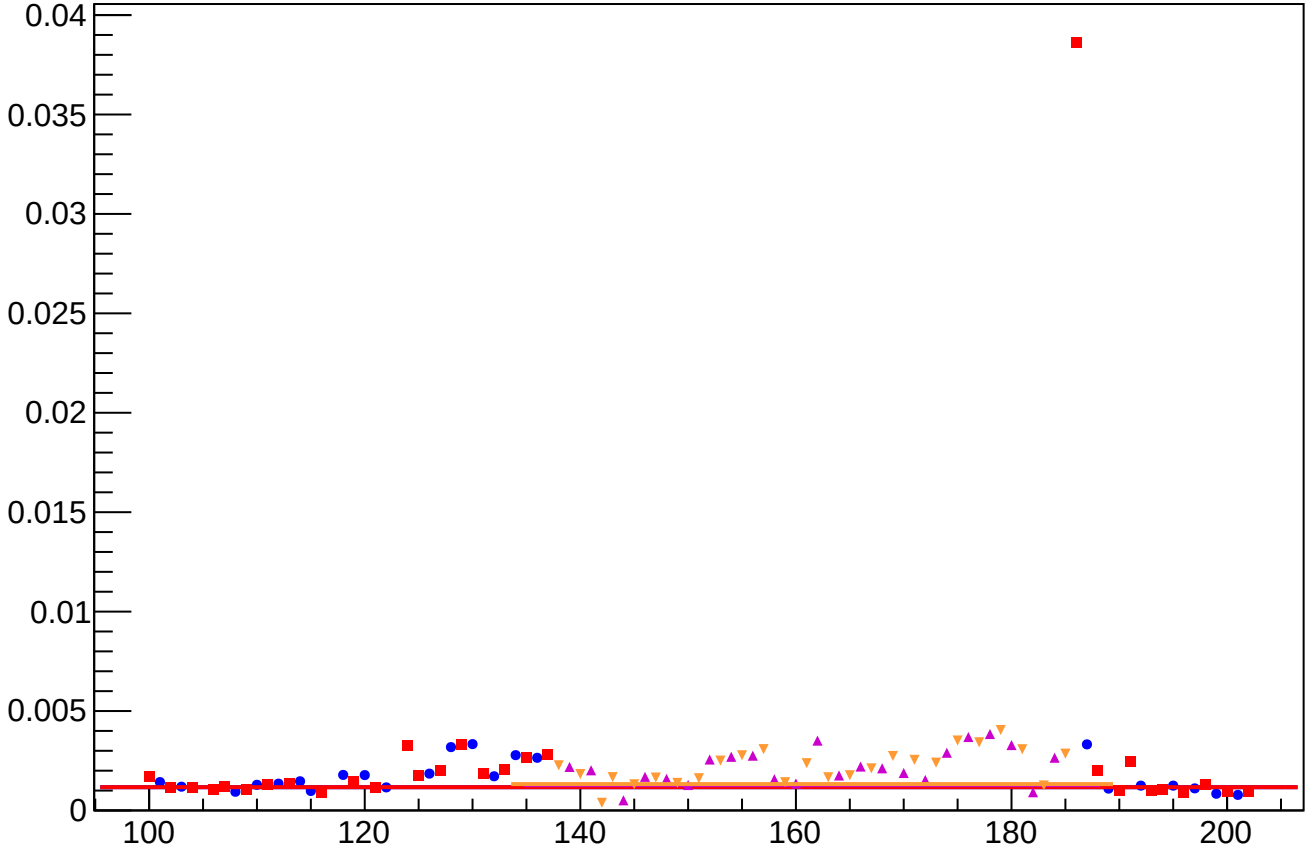
Right: -0.000+/-0.000 χ^2/NDF: 43.0/51

In: 0.000+/-0.000 χ^2/NDF:48.2/45

Out: -0.000+/-0.000 χ^2/NDF:52.3/53

All: -0.000+/-0.000 χ^2/NDF: 101.1/99

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3024205.8/22

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3208393.0/28

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

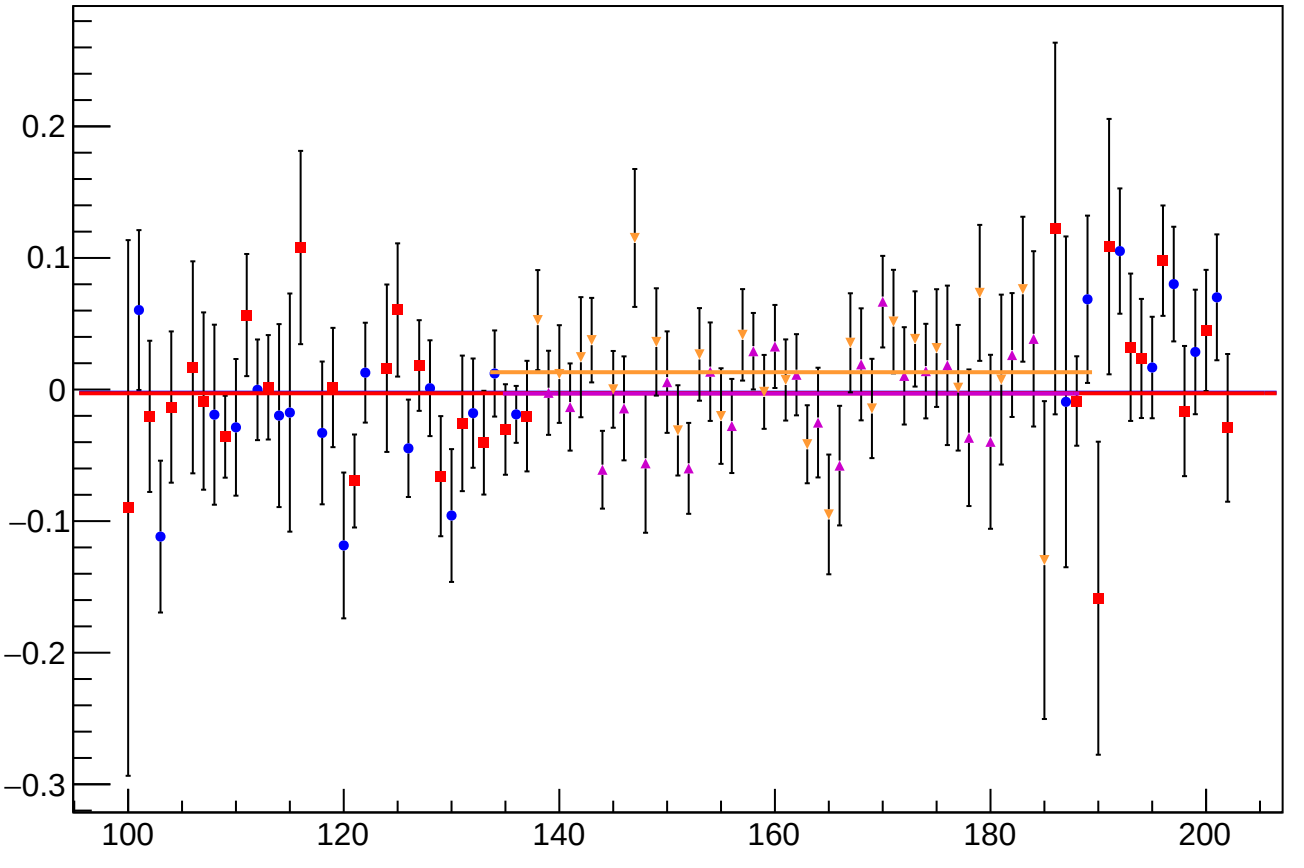
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 6232640.8/51

In: 0.001+/-0.000 χ^2/NDF:12988798.2/45

Out: 0.001+/-0.000 χ^2/NDF:14564829.8/53

All: 0.001+/-0.000 χ^2/NDF: 27559207.6/99



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

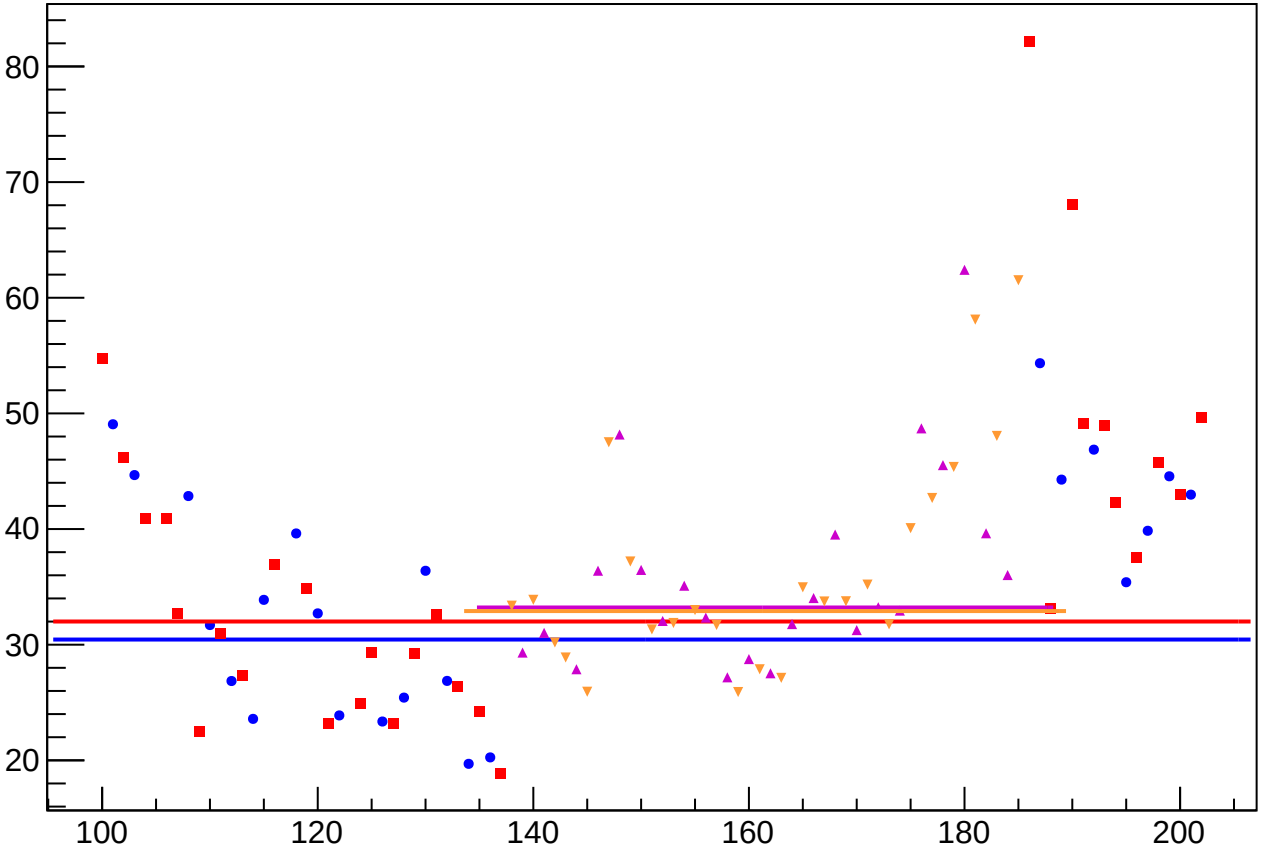
Right: -0.003+/-0.006 χ^2/NDF: 55.1/51

In: -0.003+/-0.006 χ^2/NDF:47.7/45

Out: 0.006+/-0.006 χ^2/NDF:53.8/53

All: 0.002+/-0.004 χ^2/NDF: 102.7/99

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.445+/-0.006 χ^2/NDF: 2196261.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.005+/-0.006 χ^2/NDF: 2368916.2/28

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

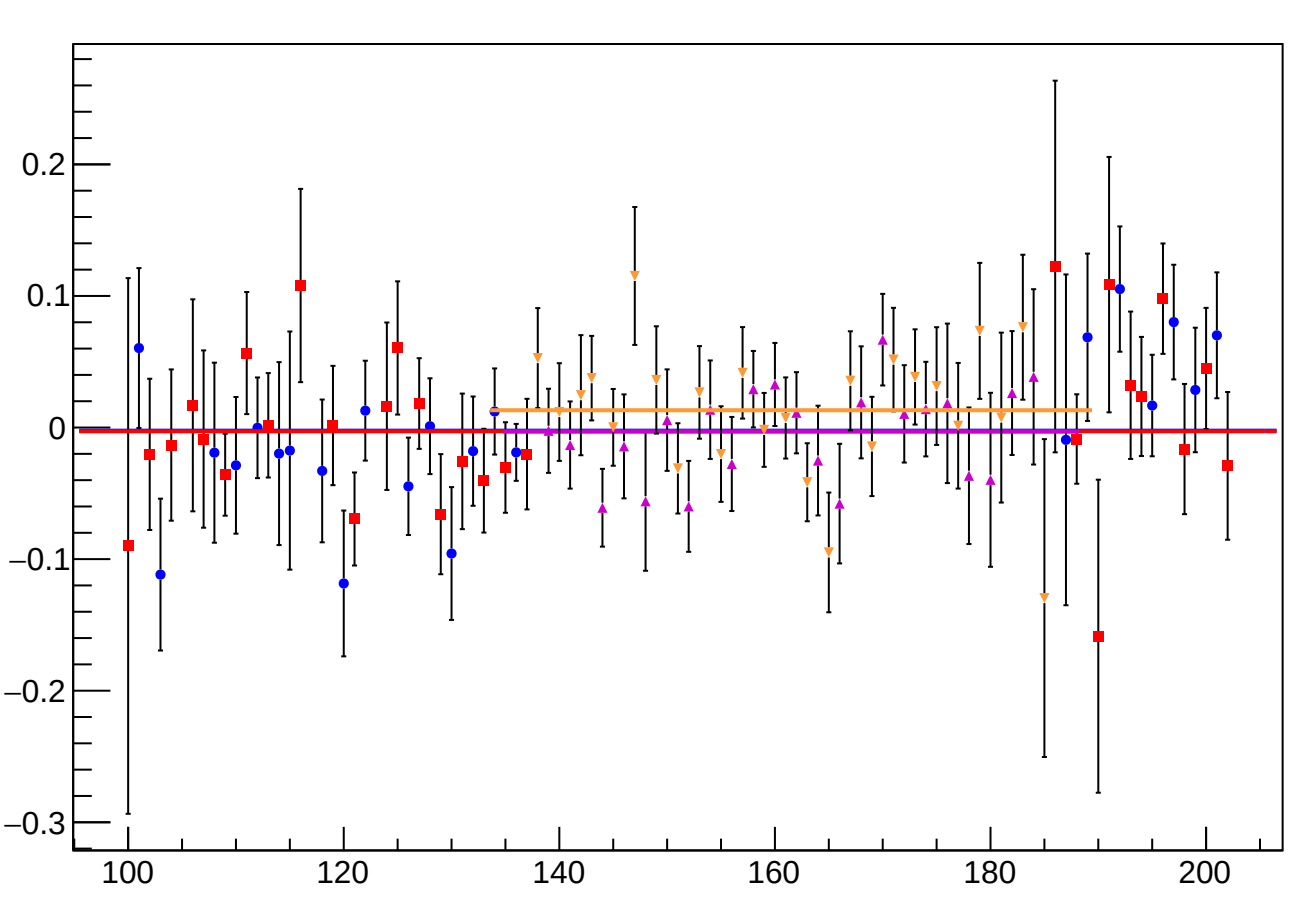
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.250+/-0.005 χ^2/NDF: 4595011.8/51

In: 32.025+/-0.004 χ^2/NDF:3521905.3/45

Out: 32.522+/-0.004 χ^2/NDF:3808708.3/53

All: 32.282+/-0.003 χ^2/NDF: 7337655.3/99



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

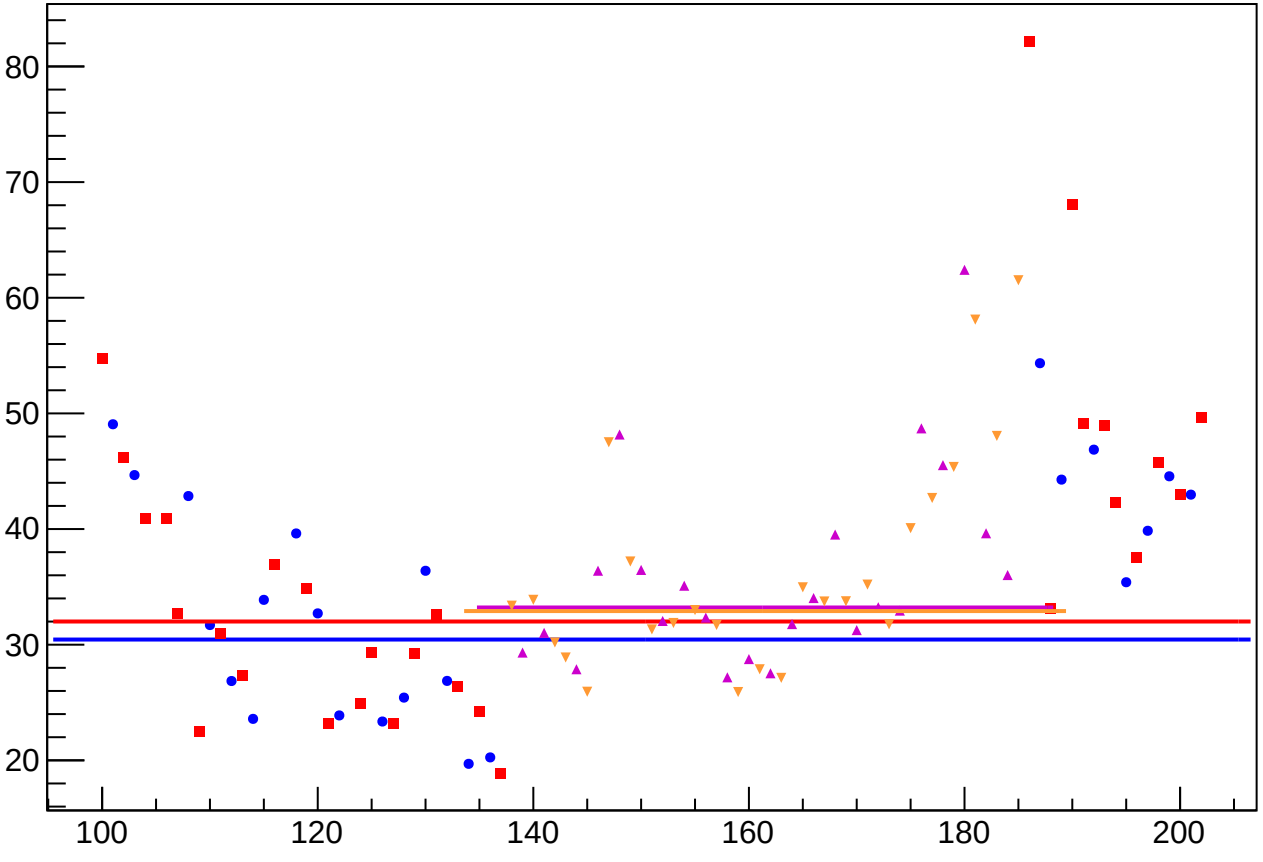
Right: -0.003+/-0.006 χ^2/NDF: 55.1/51

In: -0.003+/-0.006 χ^2/NDF:47.7/45

Out: 0.006+/-0.006 χ^2/NDF:53.8/53

All: 0.002+/-0.004 χ^2/NDF: 102.7/99

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.445+/-0.006 χ^2/NDF: 2196261.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.005+/-0.006 χ^2/NDF: 2368916.2/28

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

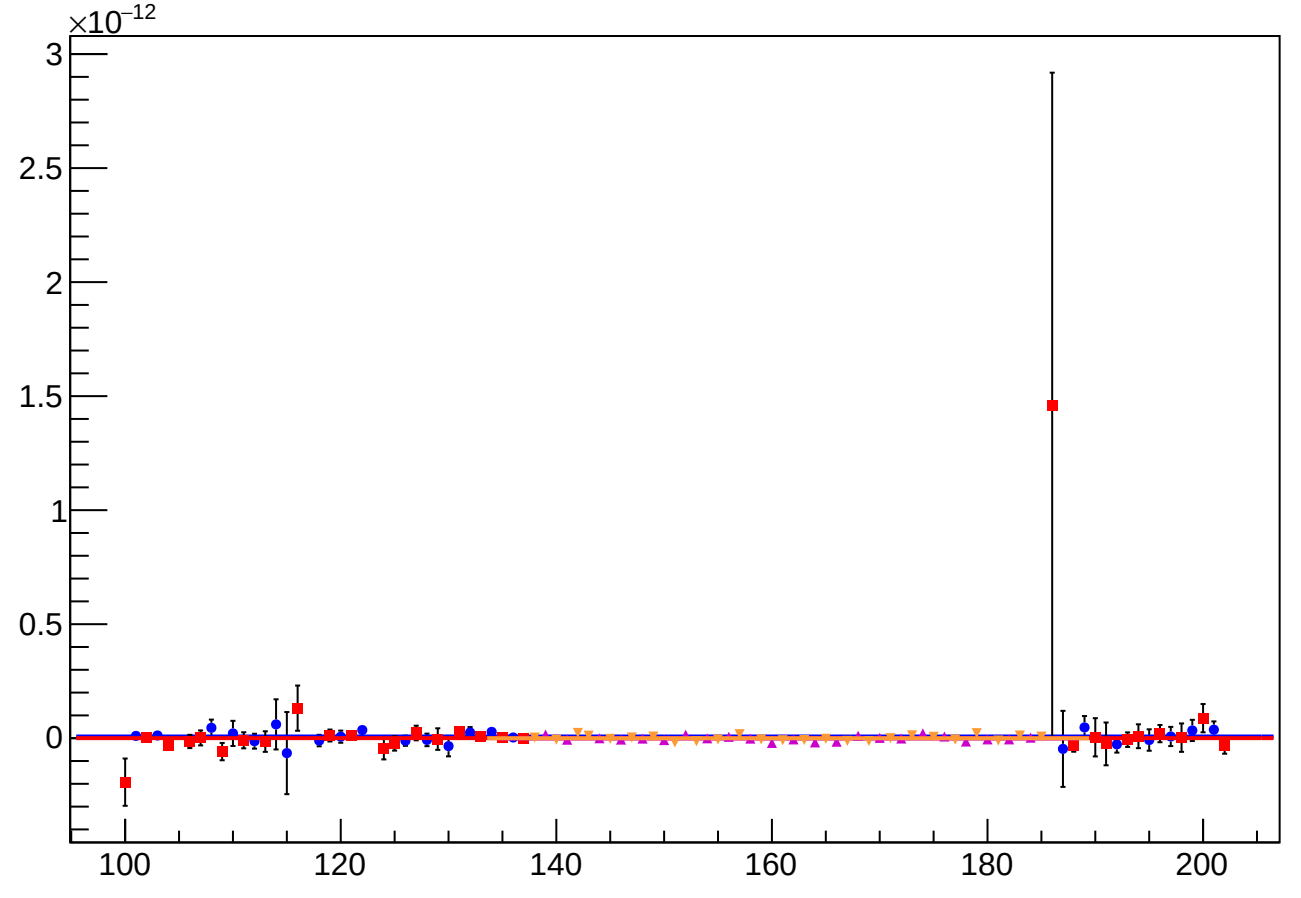
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.250+/-0.005 χ^2/NDF: 4595011.8/51

In: 32.025+/-0.004 χ^2/NDF:3521905.3/45

Out: 32.522+/-0.004 χ^2/NDF:3808708.3/53

All: 32.282+/-0.003 χ^2/NDF: 7337655.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/28

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

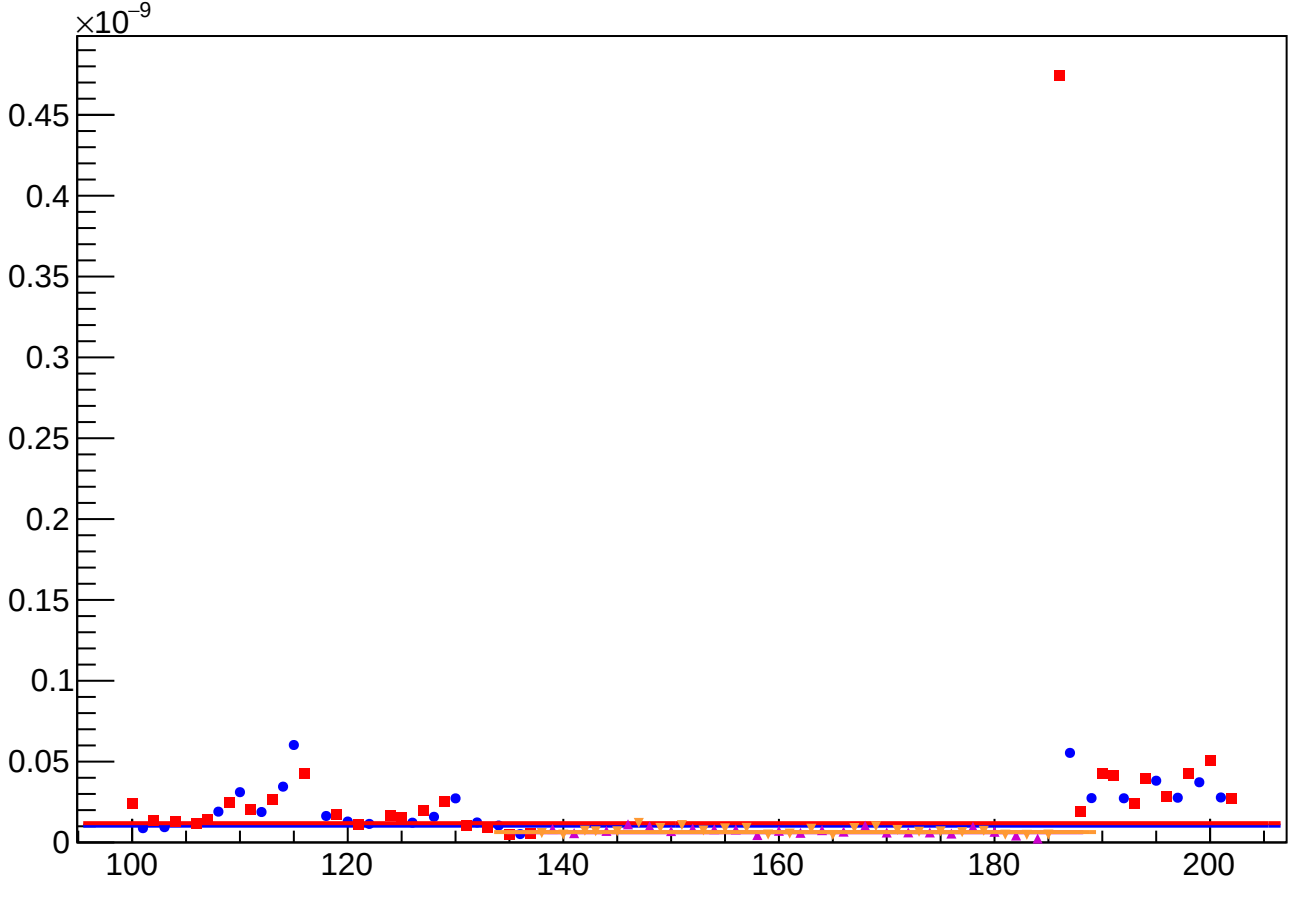
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 33.6/51

In: 0.000+/-0.000 χ^2/NDF:39.6/45

Out: -0.000+/-0.000 χ^2/NDF:52.3/53

All: -0.000+/-0.000 χ^2/NDF: 92.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 5587189.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6678667.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

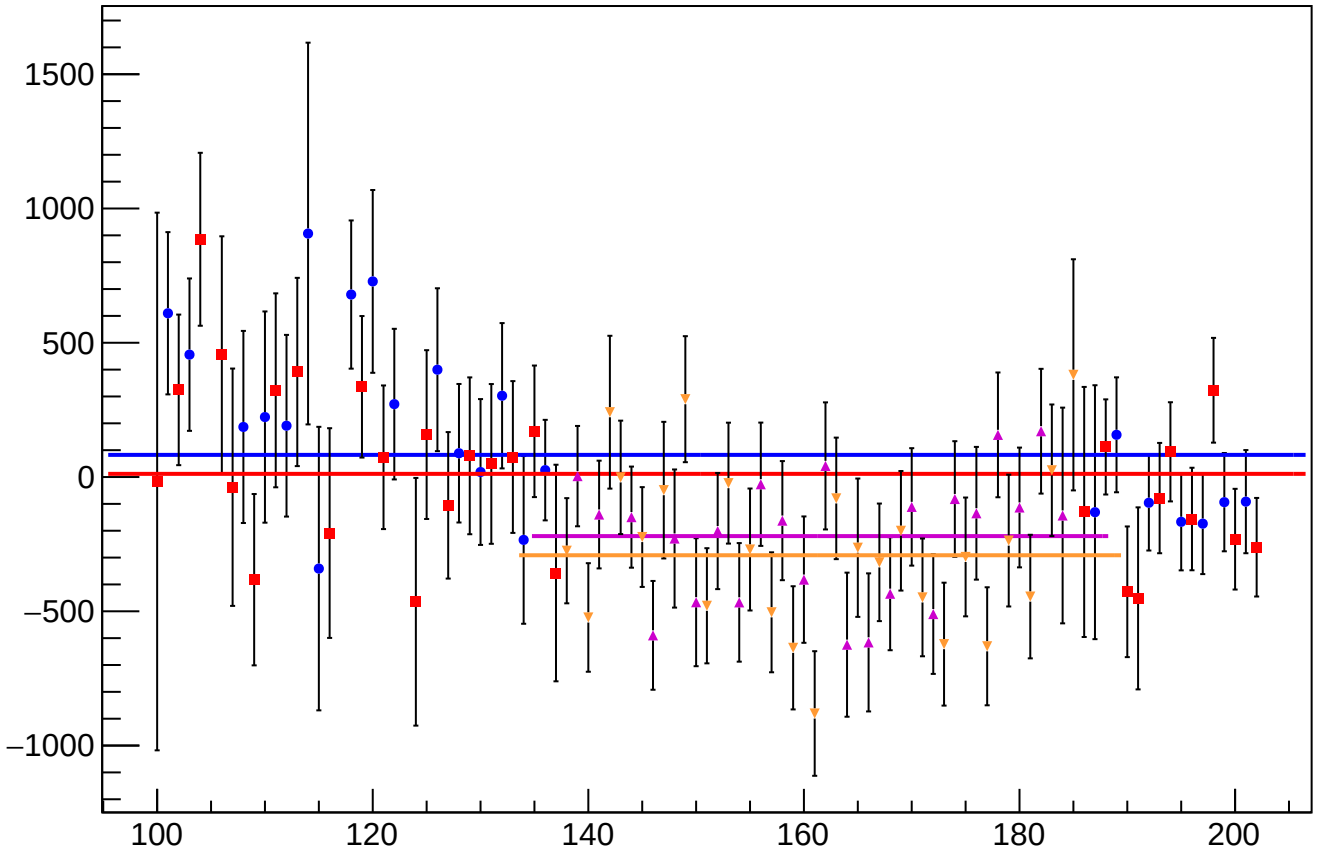
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12383171.3/51

In: 0.000+/-0.000 χ^2/NDF:9150469.5/45

Out: 0.000+/-0.000 χ^2/NDF:10986769.0/53

All: 0.000+/-0.000 χ^2/NDF: 20152468.3/99



Right In: 82.496+/-53.285 χ^2/NDF: 25.6/22

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 11.798+/-49.522 χ^2/NDF: 30.9/28

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

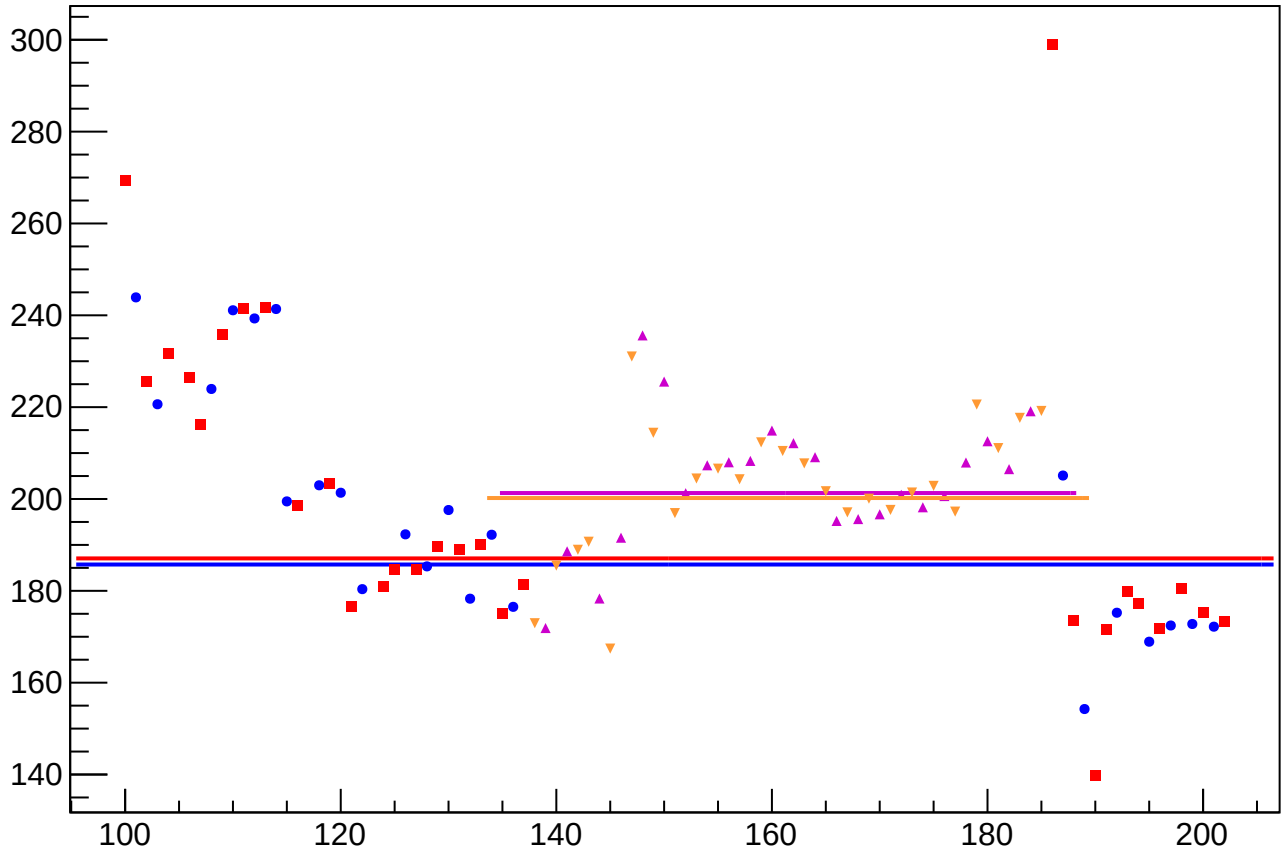
Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

Right: 44.563+/-36.275 χ^2/NDF: 57.5/51

In: -87.159+/-35.309 χ^2/NDF:67.4/45

Out: -152.189+/-33.551 χ^2/NDF:87.6/53

All: -121.334+/-24.322 χ^2/NDF: 156.8/99



Right In: 185.730+/-0.038 χ^2/NDF: 356266.4/22

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 187.060+/-0.035 χ^2/NDF: 522658.3/28

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

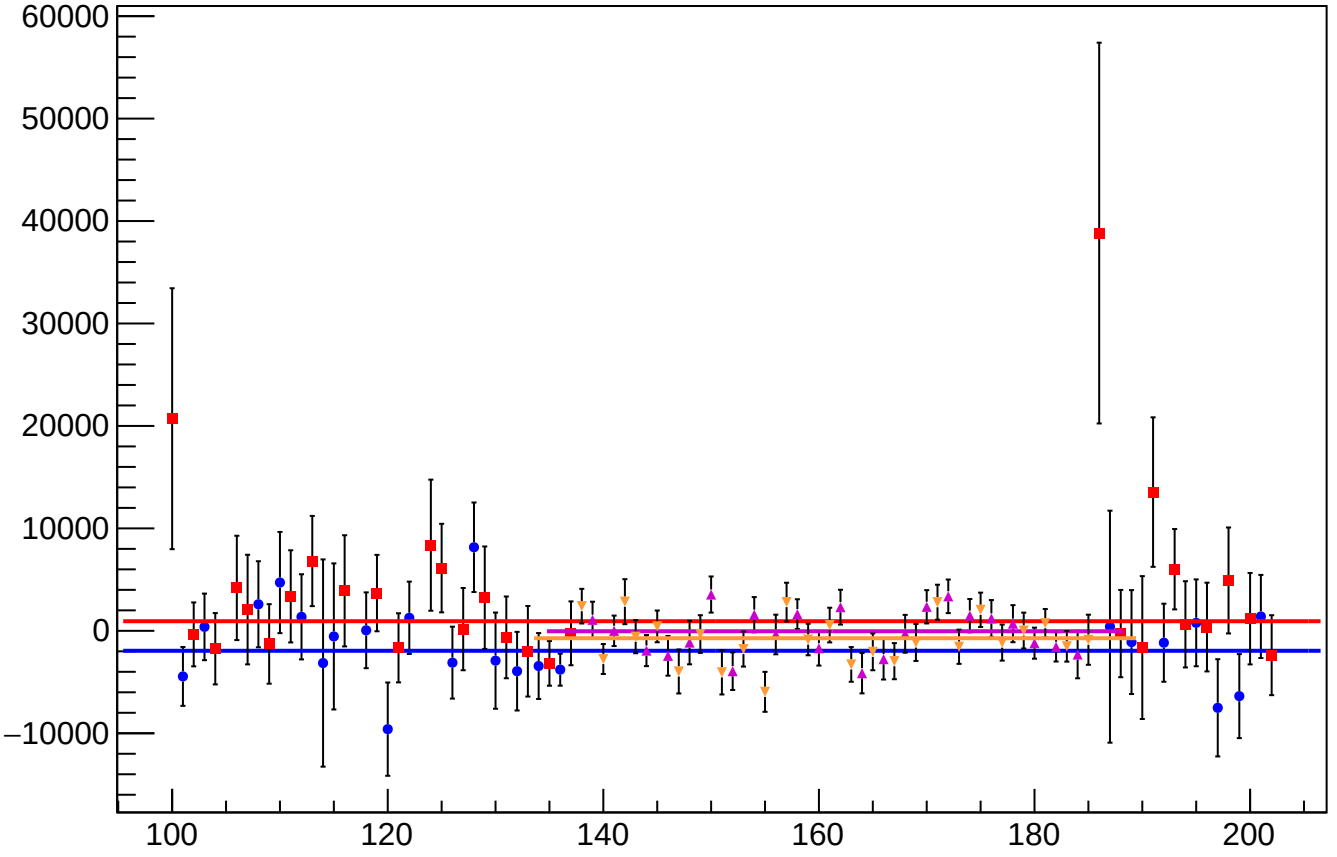
Right: 186.444+/-0.026 χ^2/NDF: 879593.4/51

In: 194.462+/-0.025 χ^2/NDF:633662.3/45

Out: 194.174+/-0.024 χ^2/NDF:803341.8/53

All: 194.311+/-0.017 χ^2/NDF: 1437073.7/99

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1947.023+/-769.044 χ^2/NDF: 20.0/22

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 938.189+/-776.428 χ^2/NDF: 25.2/28

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

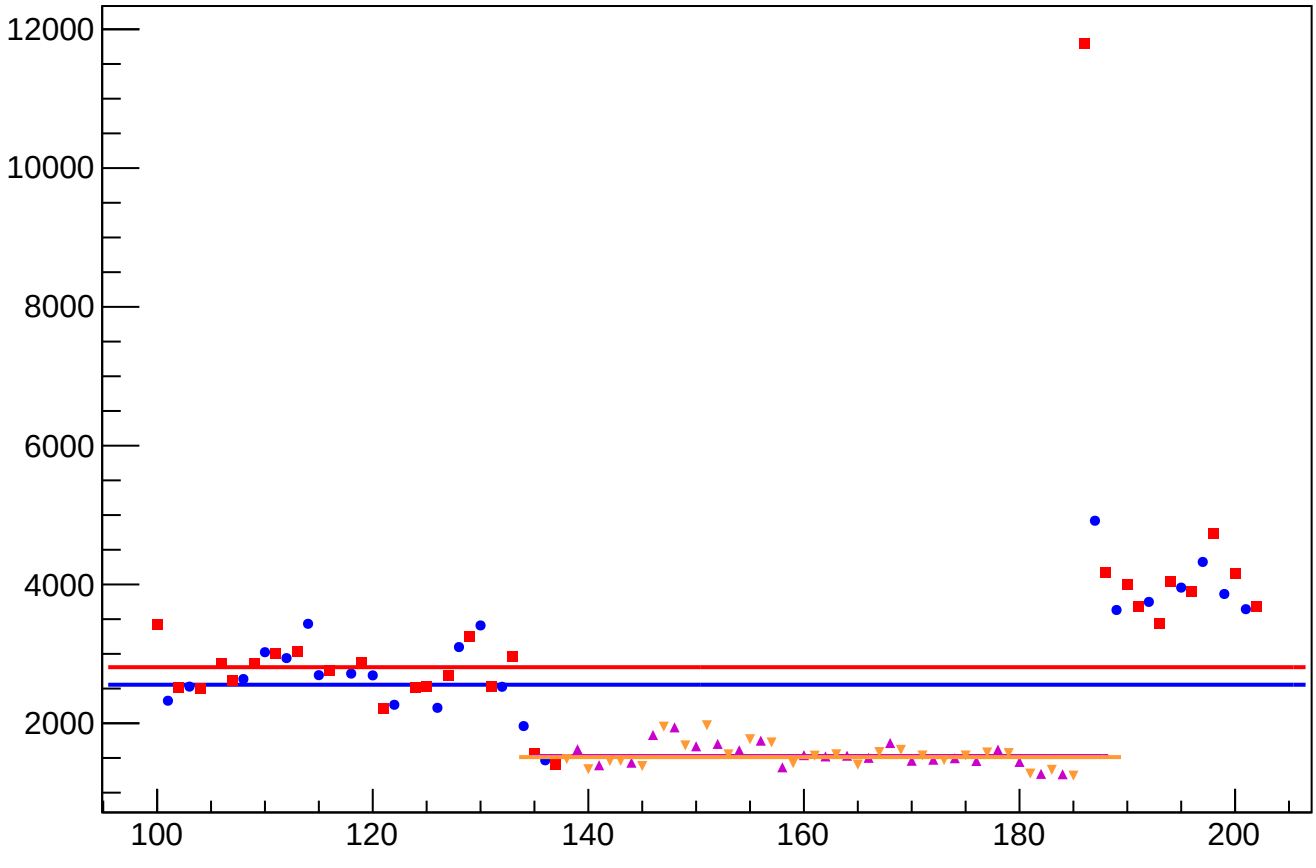
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -518.201+/-546.388 χ^2/NDF: 52.2/51

In: -381.033+/-325.499 χ^2/NDF:59.5/45

Out: -445.351+/-316.326 χ^2/NDF:67.3/53

All: -414.111+/-226.850 χ^2/NDF: 126.8/99



Right In: 2555.298+/-0.544 χ^2/NDF: 2454132.4/22

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2808.044+/-0.549 χ^2/NDF: 2888834.7/28

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

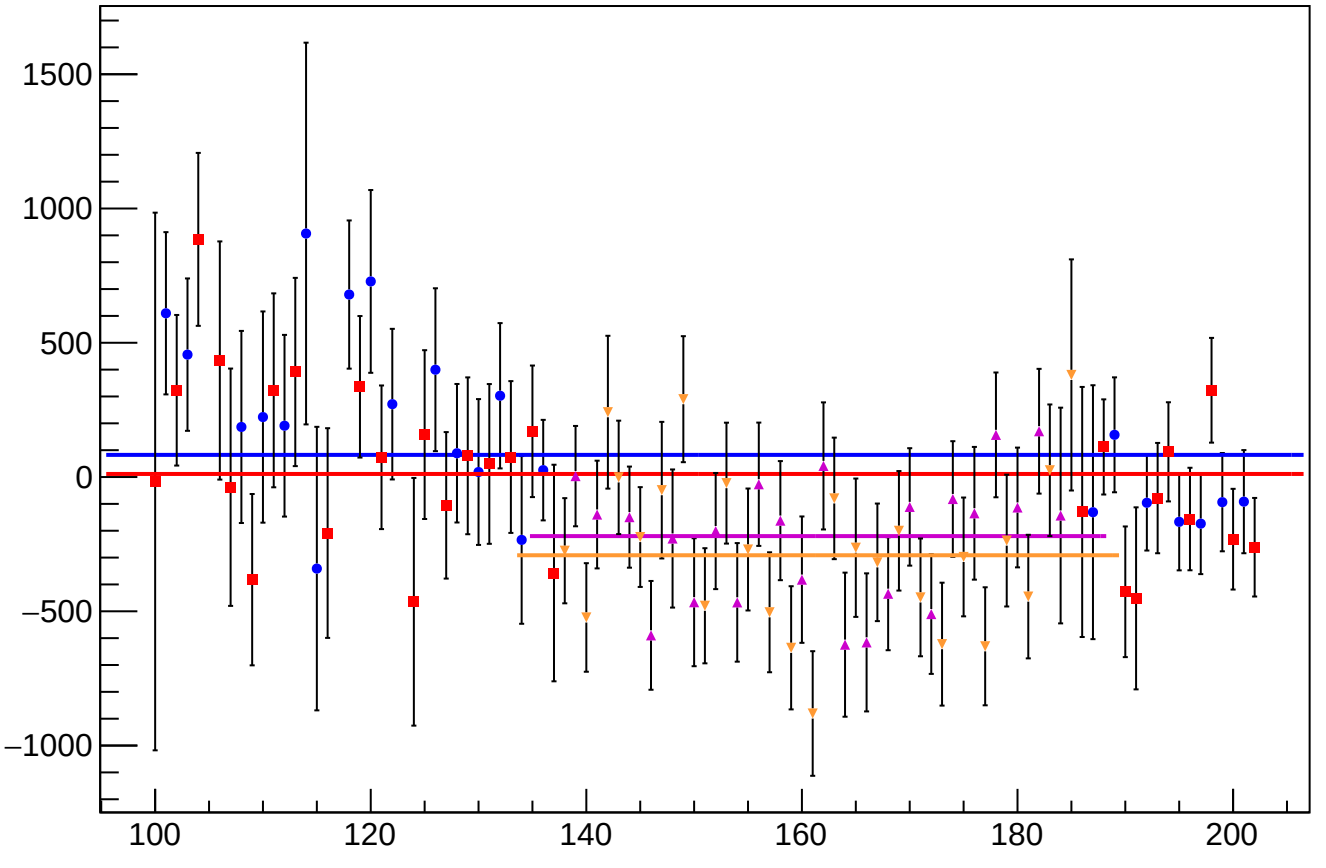
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2680.464+/-0.386 χ^2/NDF: 5449946.0/51

In: 1712.002+/-0.230 χ^2/NDF:5757647.1/45

Out: 1727.427+/-0.224 χ^2/NDF:7976515.6/53

All: 1719.935+/-0.160 χ^2/NDF: 13736472.6/9



Right In: 82.493+/-53.285 χ^2/NDF: 25.6/22

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 11.435+/-49.525 χ^2/NDF: 30.8/28

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

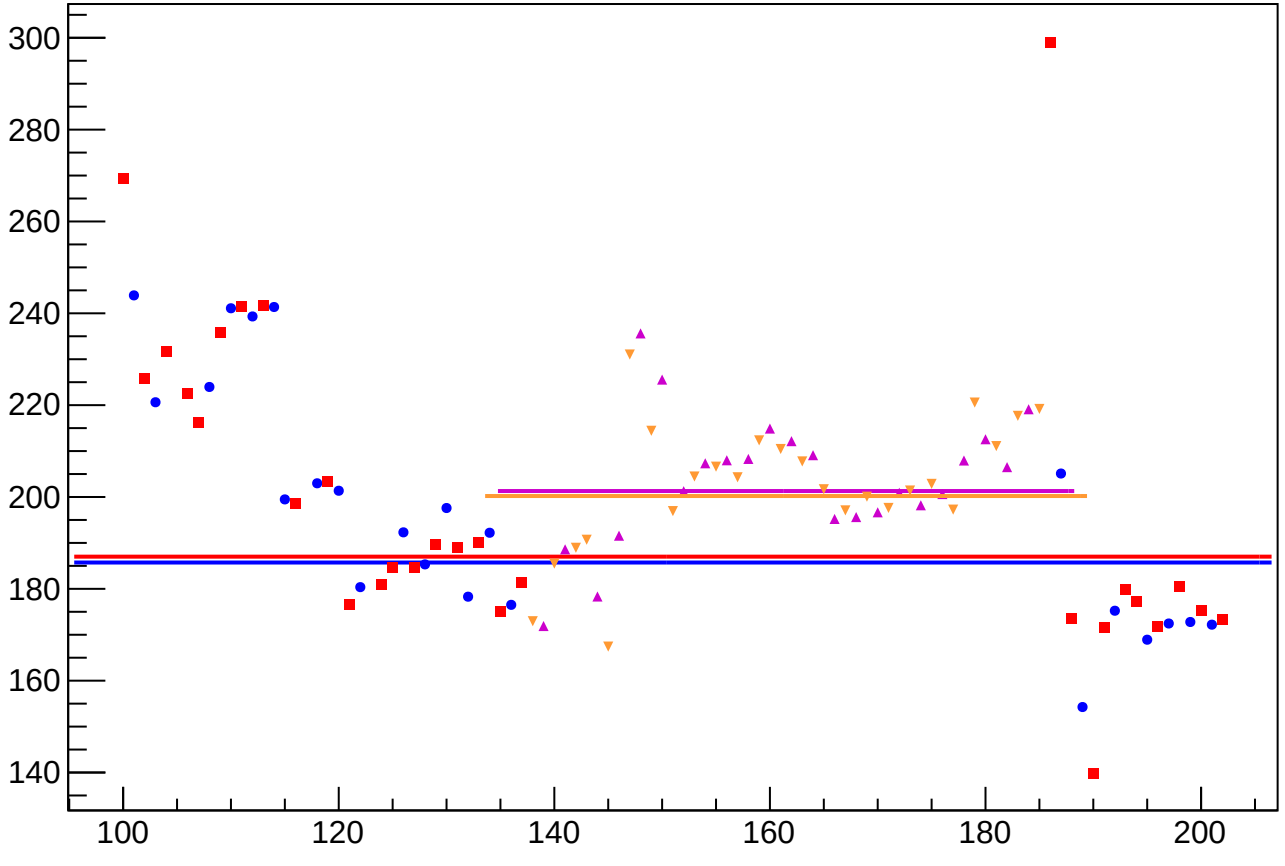
Right: 44.369+/-36.276 χ^2/NDF: 57.4/51

In: -87.166+/-35.309 χ^2/NDF:67.4/45

Out: -152.366+/-33.552 χ^2/NDF:87.4/53

All: -121.429+/-24.322 χ^2/NDF: 156.6/99

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 185.730+/-0.038 χ^2/NDF: 356266.9/22

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 187.008+/-0.035 χ^2/NDF: 519637.4/28

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

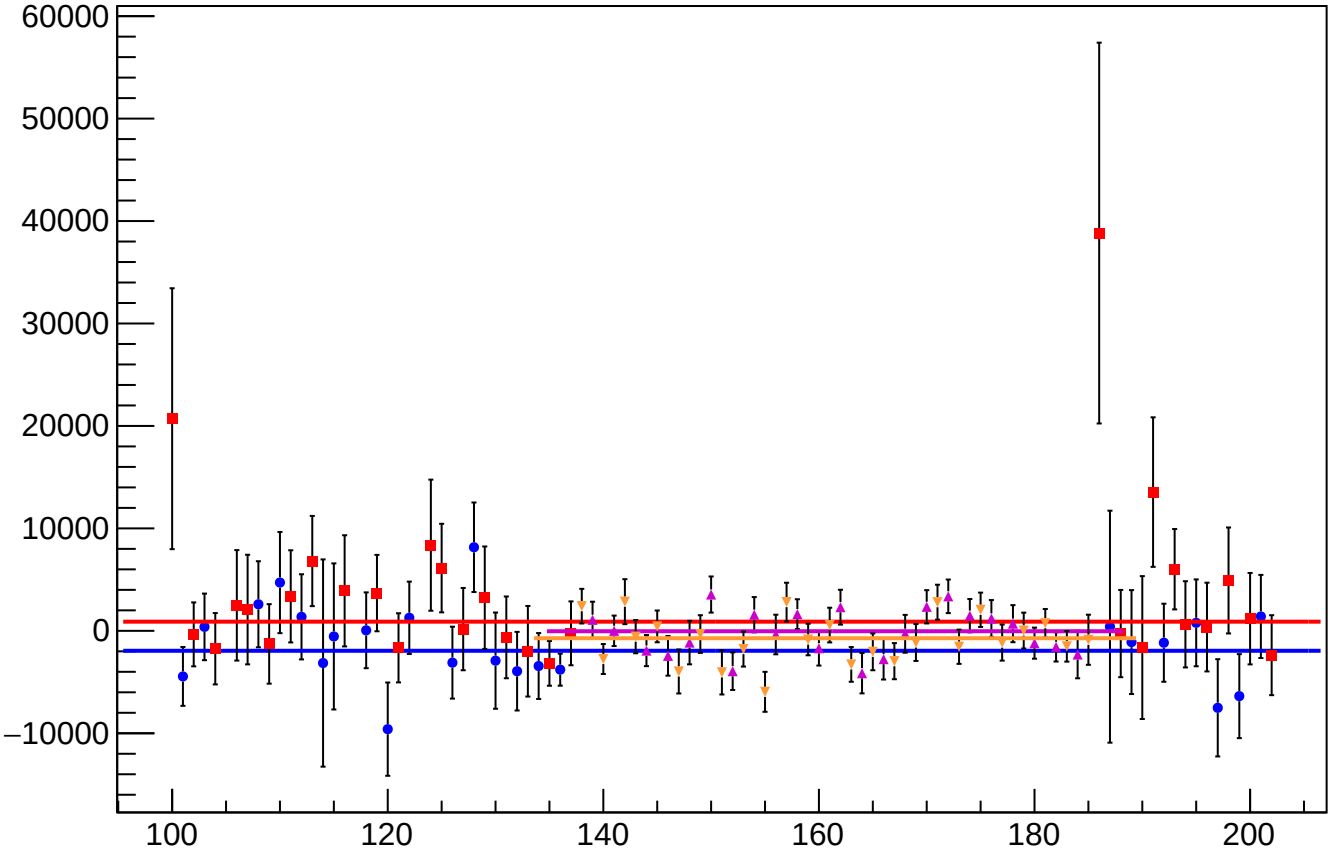
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

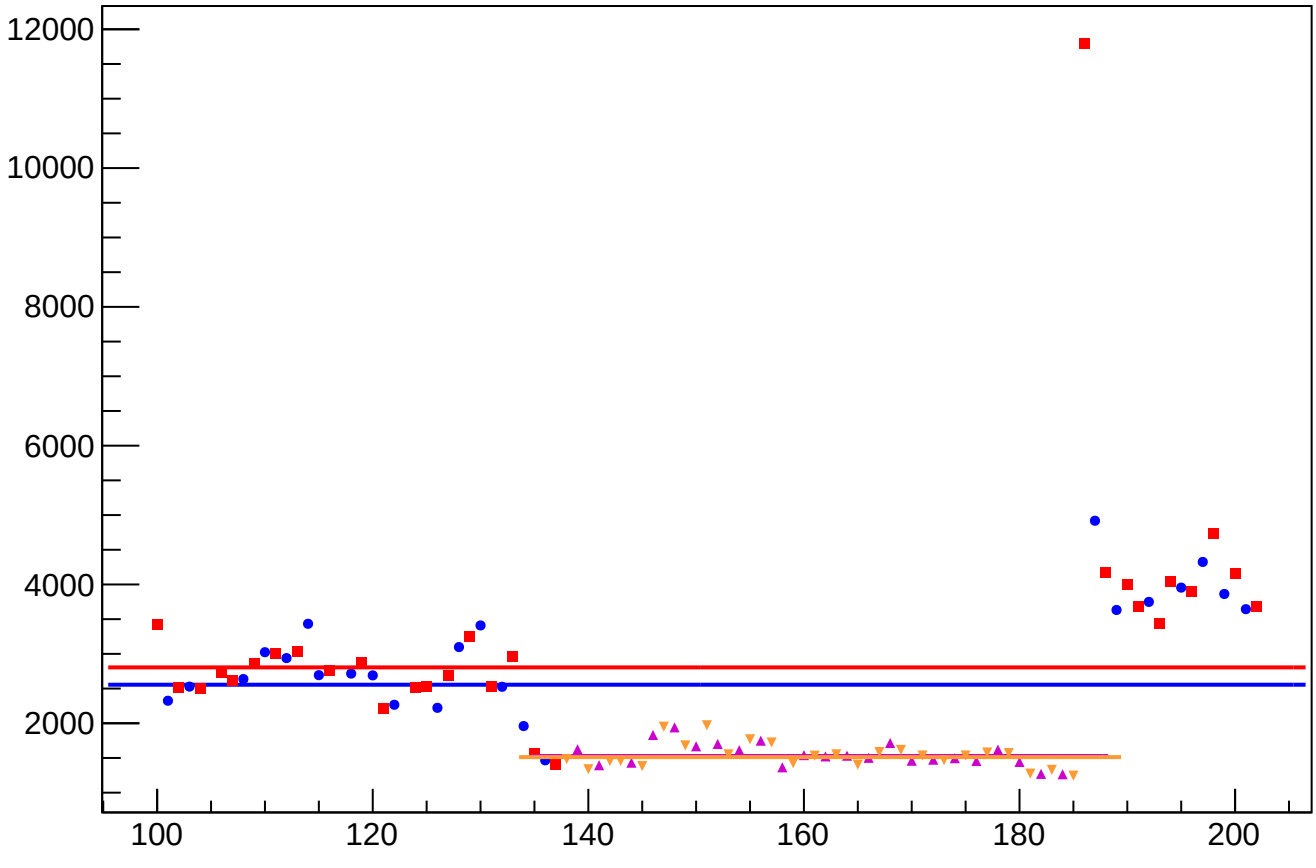
Right: 186.416+/-0.026 χ^2/NDF: 876521.8/51

In: 194.462+/-0.025 χ^2/NDF:633662.7/45

Out: 194.151+/-0.024 χ^2/NDF:800917.7/53

All: 194.298+/-0.017 χ^2/NDF: 1434661.8/99


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1946.995+/-769.046 χ²/NDF: 20.0/22
Left Out: -720.705+/-346.376 χ²/NDF:38.3/24
Right Out: 894.814+/-777.429 χ²/NDF: 24.8/28
Left In: -39.275+/-359.265 χ²/NDF:34.4/22
Left: -392.433+/-249.357 χ²/NDF: 74.6/47
Right: -541.496+/-546.737 χ²/NDF: 51.6/51
In: -381.025+/-325.499 χ²/NDF:59.5/45
Out: -453.130+/-316.394 χ²/NDF:66.7/53
All: -418.100+/-226.875 χ²/NDF: 126.2/99



Right In: 2555.302+/-0.544 χ^2/NDF: 2454129.1/22

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2805.134+/-0.550 χ^2/NDF: 2888823.8/28

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

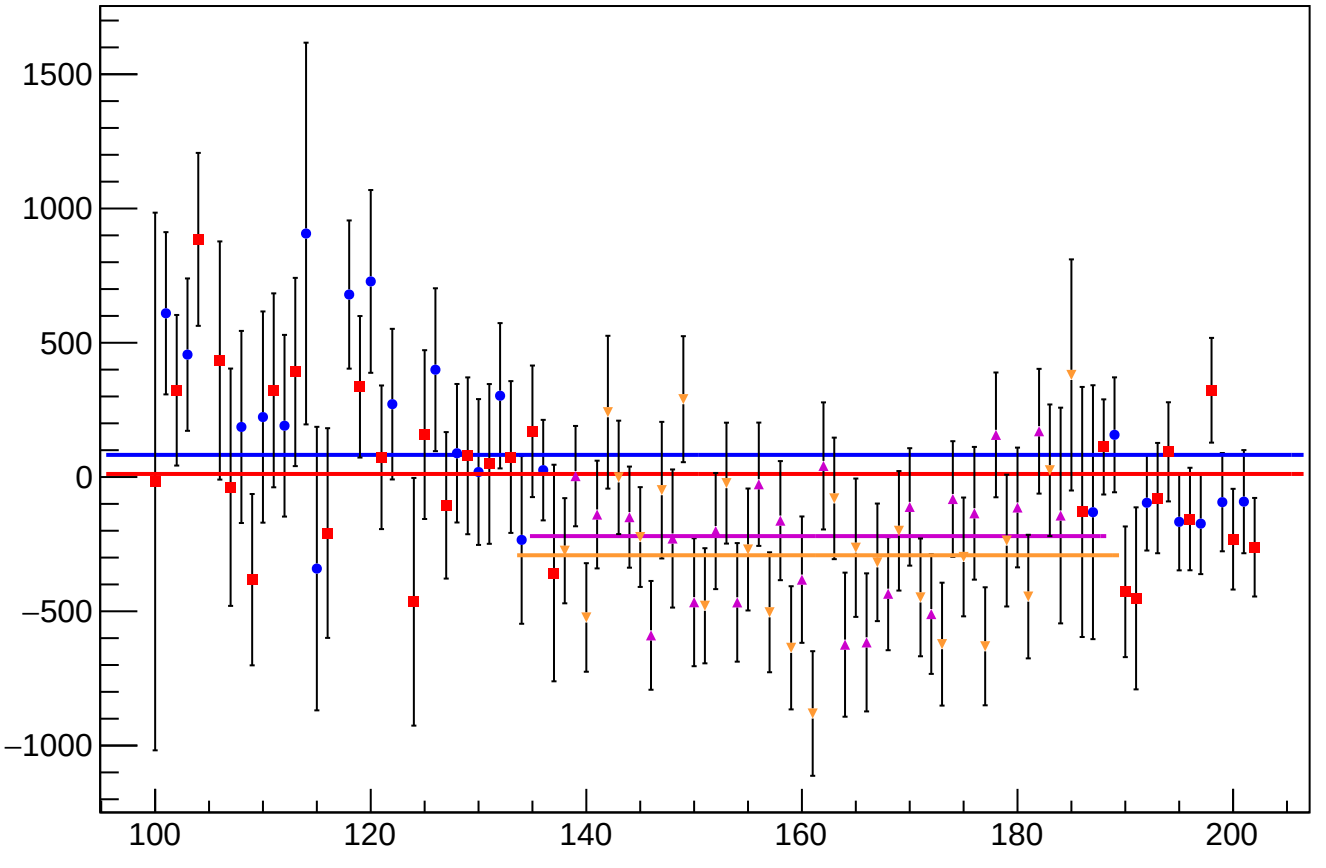
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2678.864+/-0.387 χ^2/NDF: 5447343.0/51

In: 1712.002+/-0.230 χ^2/NDF:5757658.6/45

Out: 1726.483+/-0.224 χ^2/NDF:7945730.3/53

All: 1719.448+/-0.160 χ^2/NDF: 13705424.3/9



Right In: 82.493+/-53.285 χ^2/NDF: 25.6/22

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 11.435+/-49.525 χ^2/NDF: 30.8/28

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

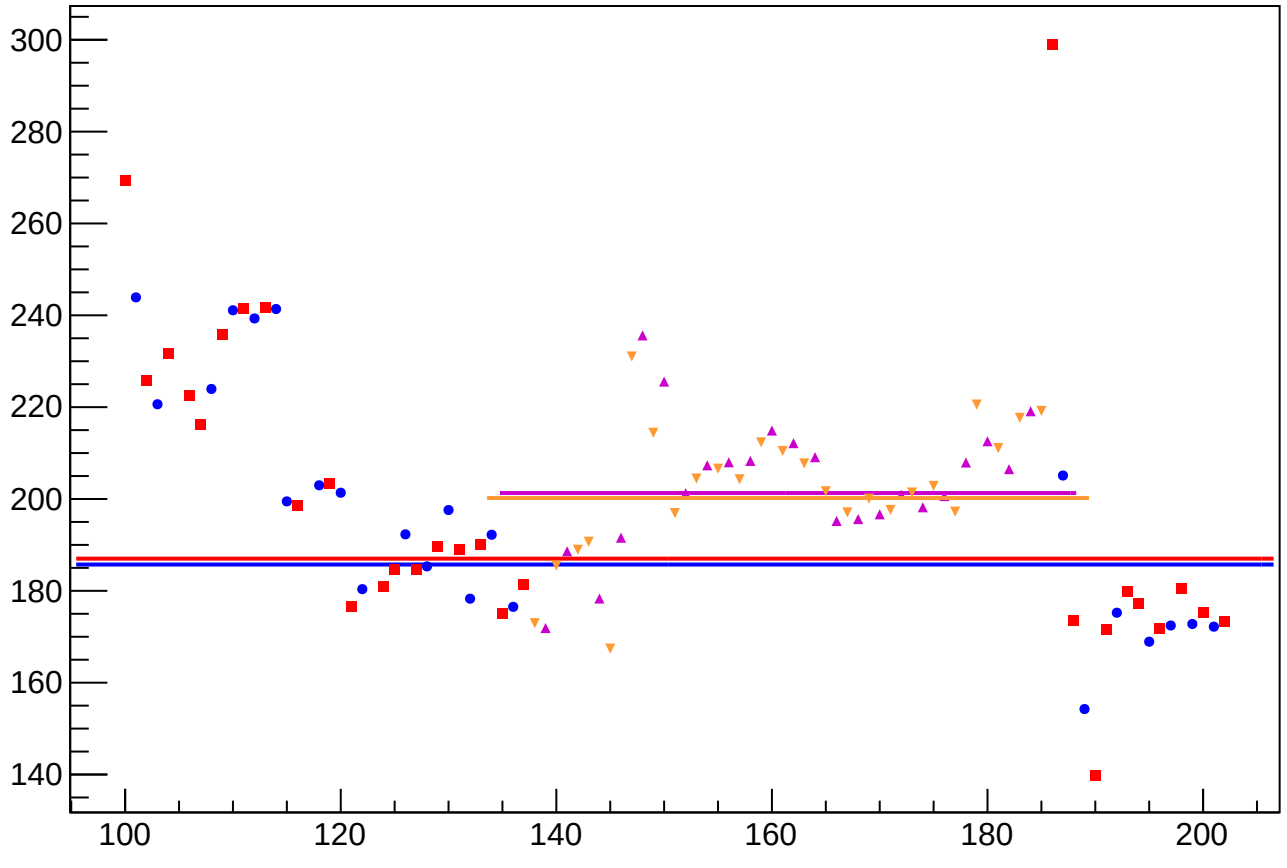
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 44.369+/-36.276 χ^2/NDF: 57.4/51

In: -87.166+/-35.309 χ^2/NDF:67.4/45

Out: -152.366+/-33.552 χ^2/NDF:87.4/53

All: -121.429+/-24.322 χ^2/NDF: 156.6/99



Right In: 185.730+/-0.038 χ^2/NDF: 356266.9/22

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 187.008+/-0.035 χ^2/NDF: 519637.4/28

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

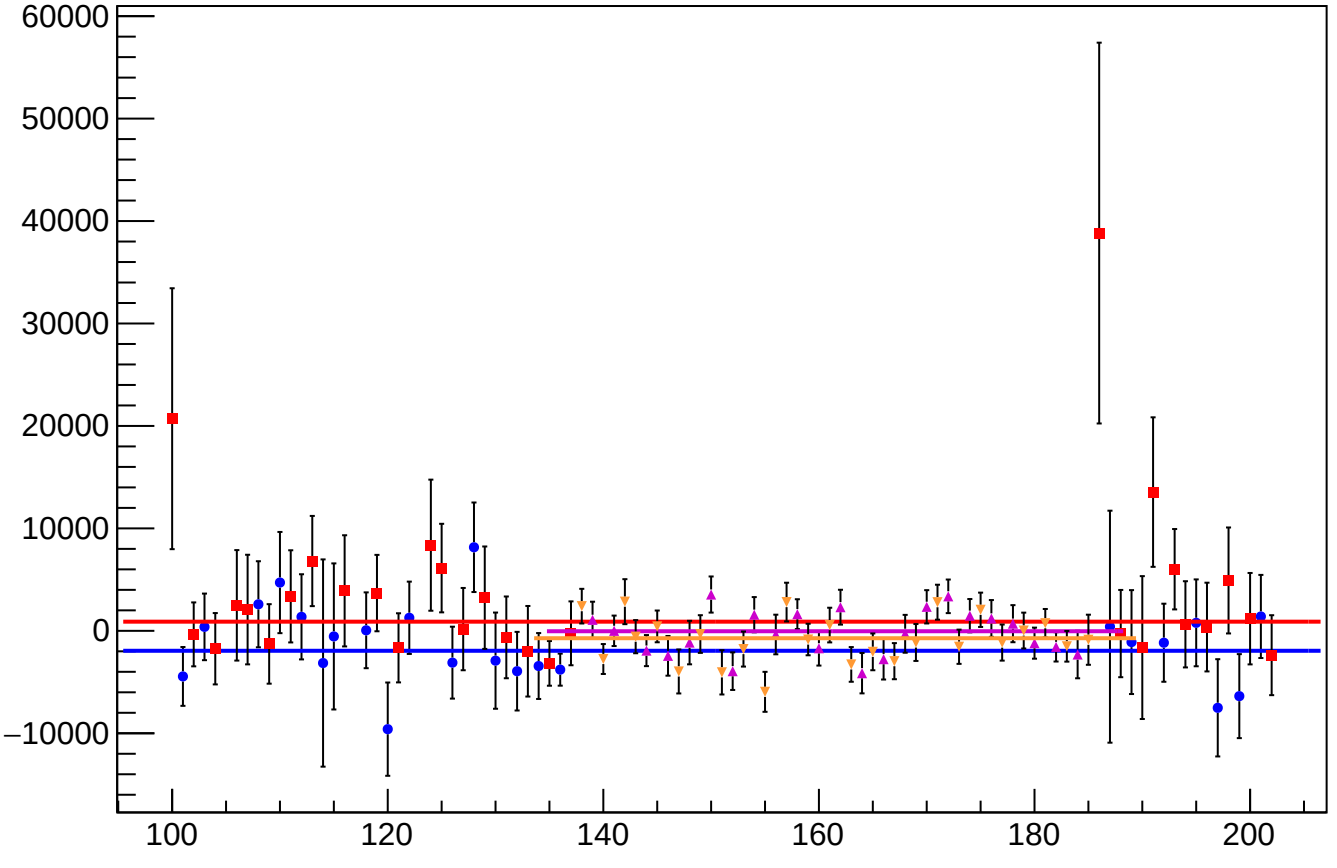
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 186.416+/-0.026 χ^2/NDF: 876521.8/51

In: 194.462+/-0.025 χ^2/NDF:633662.7/45

Out: 194.151+/-0.024 χ^2/NDF:800917.7/53

All: 194.298+/-0.017 χ^2/NDF: 1434661.8/99



Right In: -1946.995+/-769.046 χ^2/NDF: 20.0/22

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 894.814+/-777.429 χ^2/NDF: 24.8/28

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

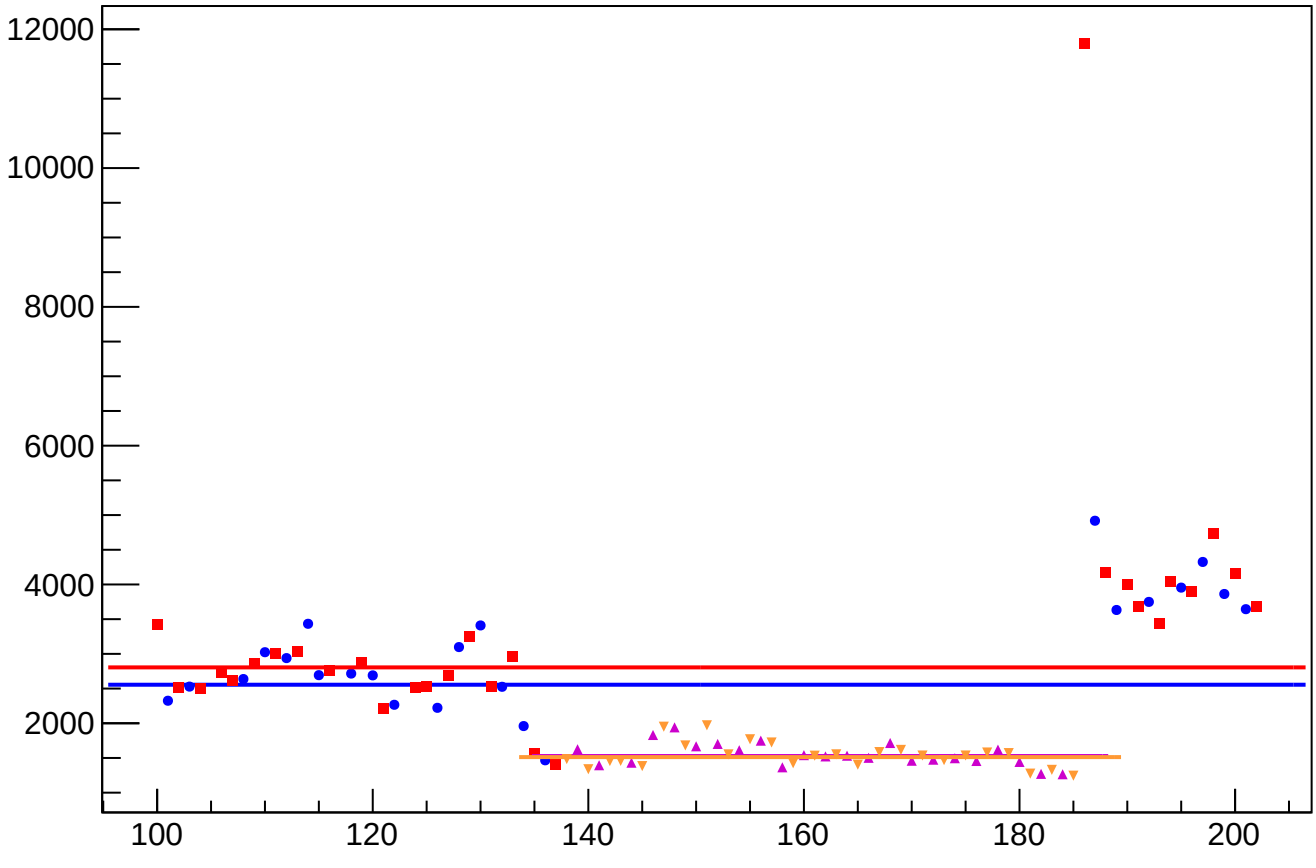
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -541.496+/-546.737 χ^2/NDF: 51.6/51

In: -381.025+/-325.499 χ^2/NDF:59.5/45

Out: -453.130+/-316.394 χ^2/NDF:66.7/53

All: -418.100+/-226.875 χ^2/NDF: 126.2/99


asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
12000
10000
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6000
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2000
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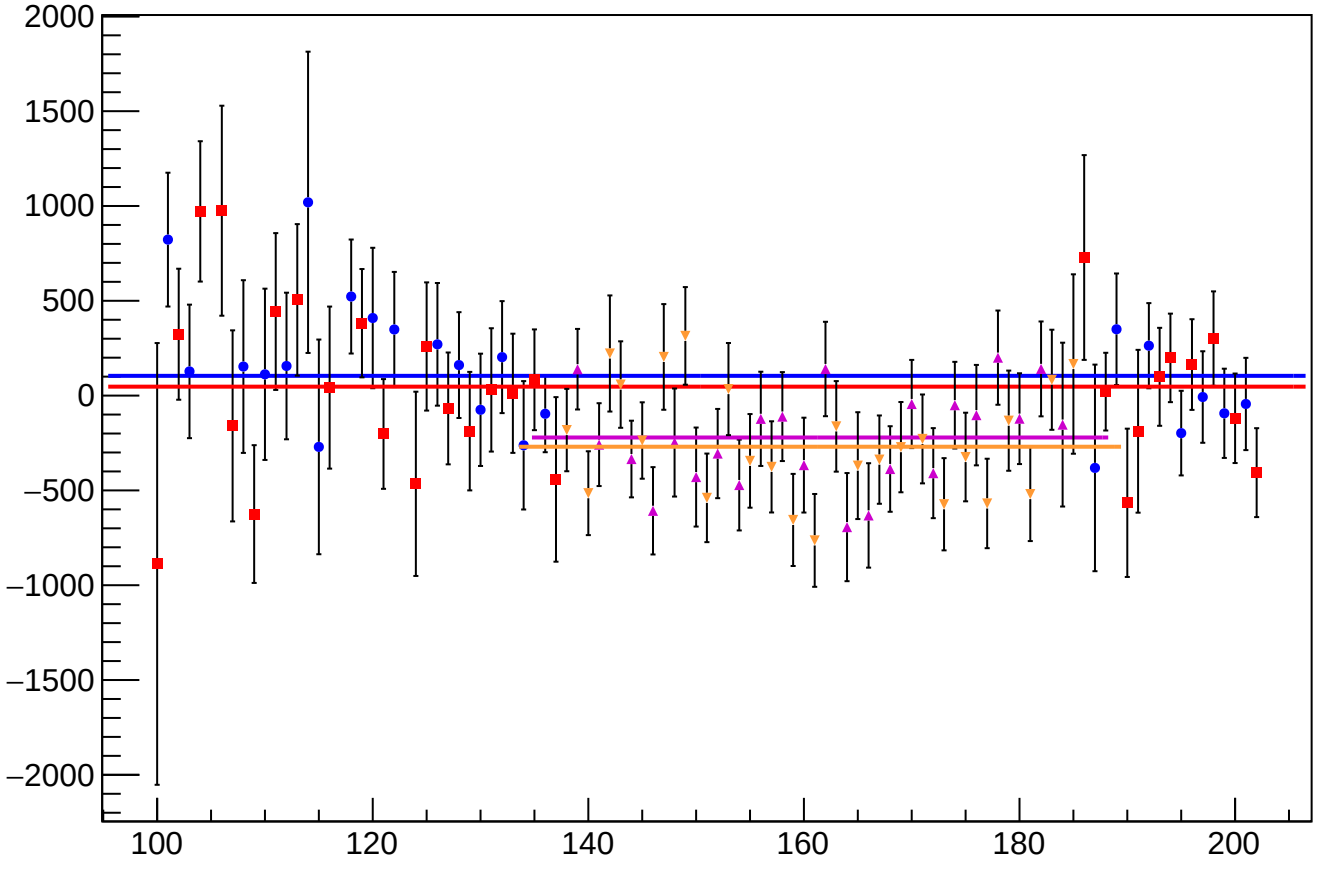
120
140
160
180
200
Right In: 2555.302+/-0.544 χ²/NDF: 2454129.1/22
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2805.134+/-0.550 χ²/NDF: 2888823.8/28
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
Left: 1519.880+/-0.176 χ²/NDF: 818358.6/47
Right: 2678.864+/-0.387 χ²/NDF: 5447343.0/51
In: 1712.002+/-0.230 χ²/NDF:5757658.6/45
Out: 1726.483+/-0.224 χ²/NDF:7945730.3/53
All: 1719.448+/-0.160 χ²/NDF: 13705424.3/9

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 104.199+/-63.029 χ^2/NDF: 17.3/22

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 47.174+/-58.817 χ^2/NDF: 32.1/28

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

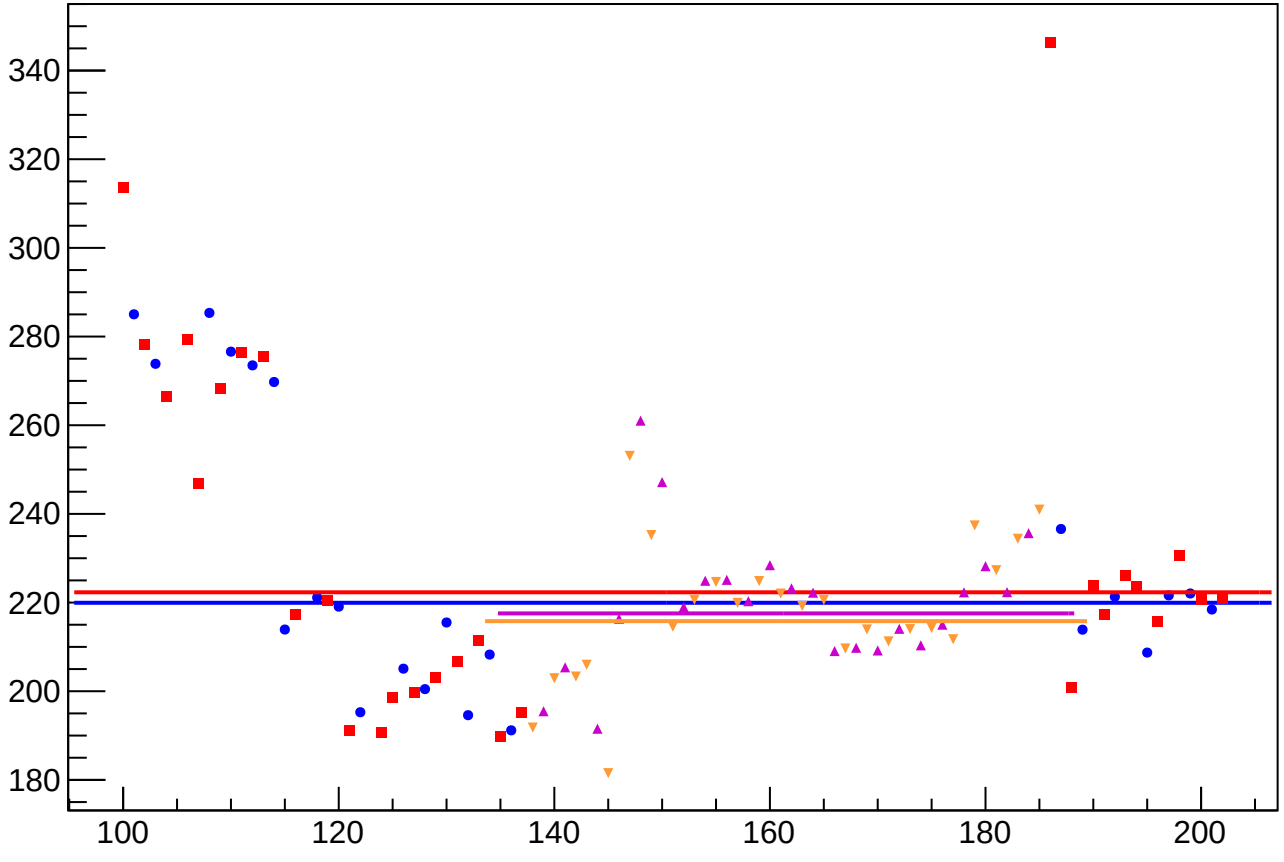
Right: 73.718+/-43.002 χ^2/NDF: 49.8/51

In: -92.420+/-39.626 χ^2/NDF:56.7/45

Out: -139.373+/-37.719 χ^2/NDF:80.7/53

All: -117.053+/-27.321 χ^2/NDF: 138.2/99

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 219.952+/-0.045 χ^2/NDF: 327301.4/22

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.315+/-0.042 χ^2/NDF: 459209.0/28

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

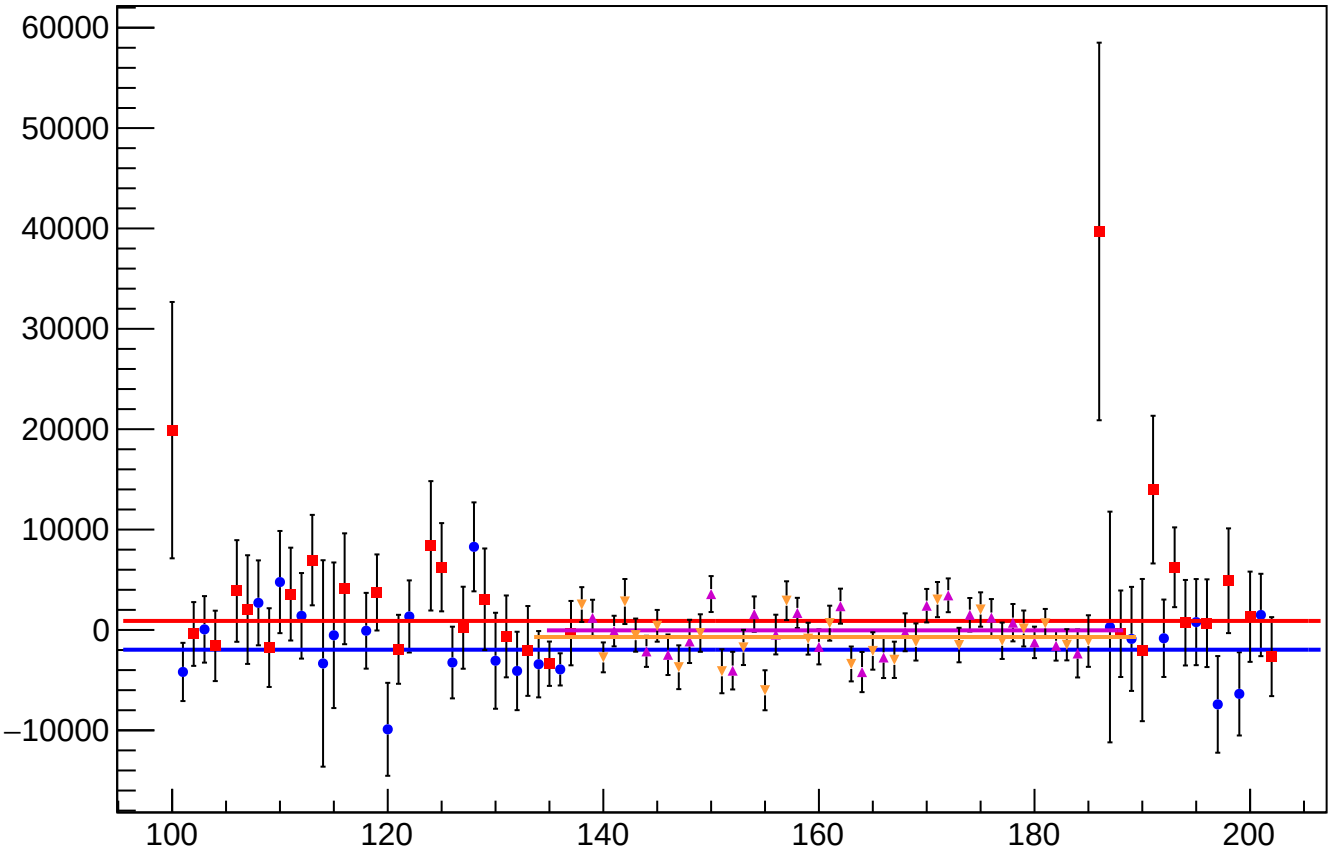
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 221.215+/-0.030 χ^2/NDF: 788012.8/51

In: 218.502+/-0.028 χ^2/NDF:490118.0/45

Out: 218.483+/-0.027 χ^2/NDF:662327.1/53

All: 218.492+/-0.019 χ^2/NDF: 1152445.3/99



Right In: -1968.914+/-783.626 χ^2/NDF: 19.9/22

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 898.388+/-787.684 χ^2/NDF: 25.9/28

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

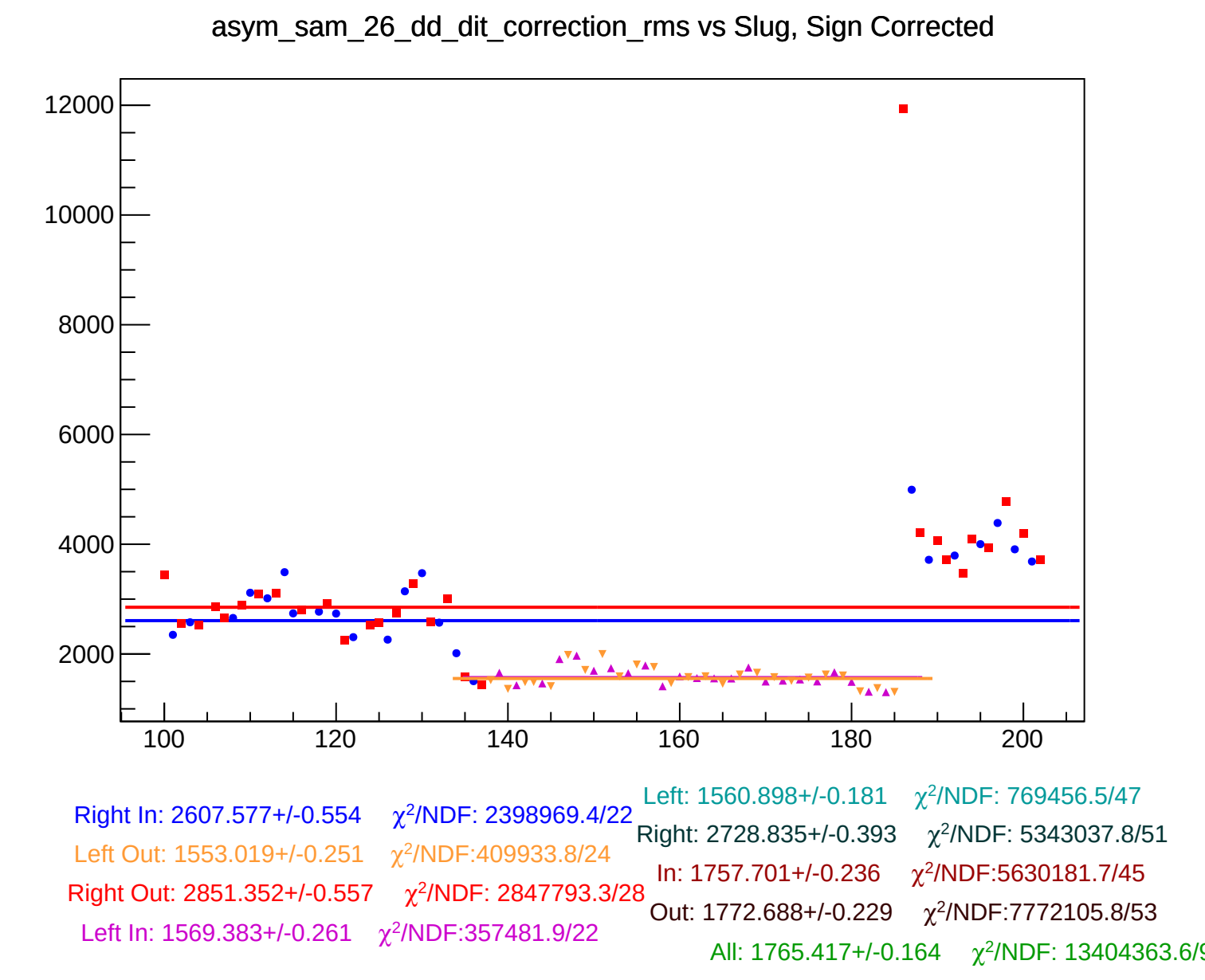
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

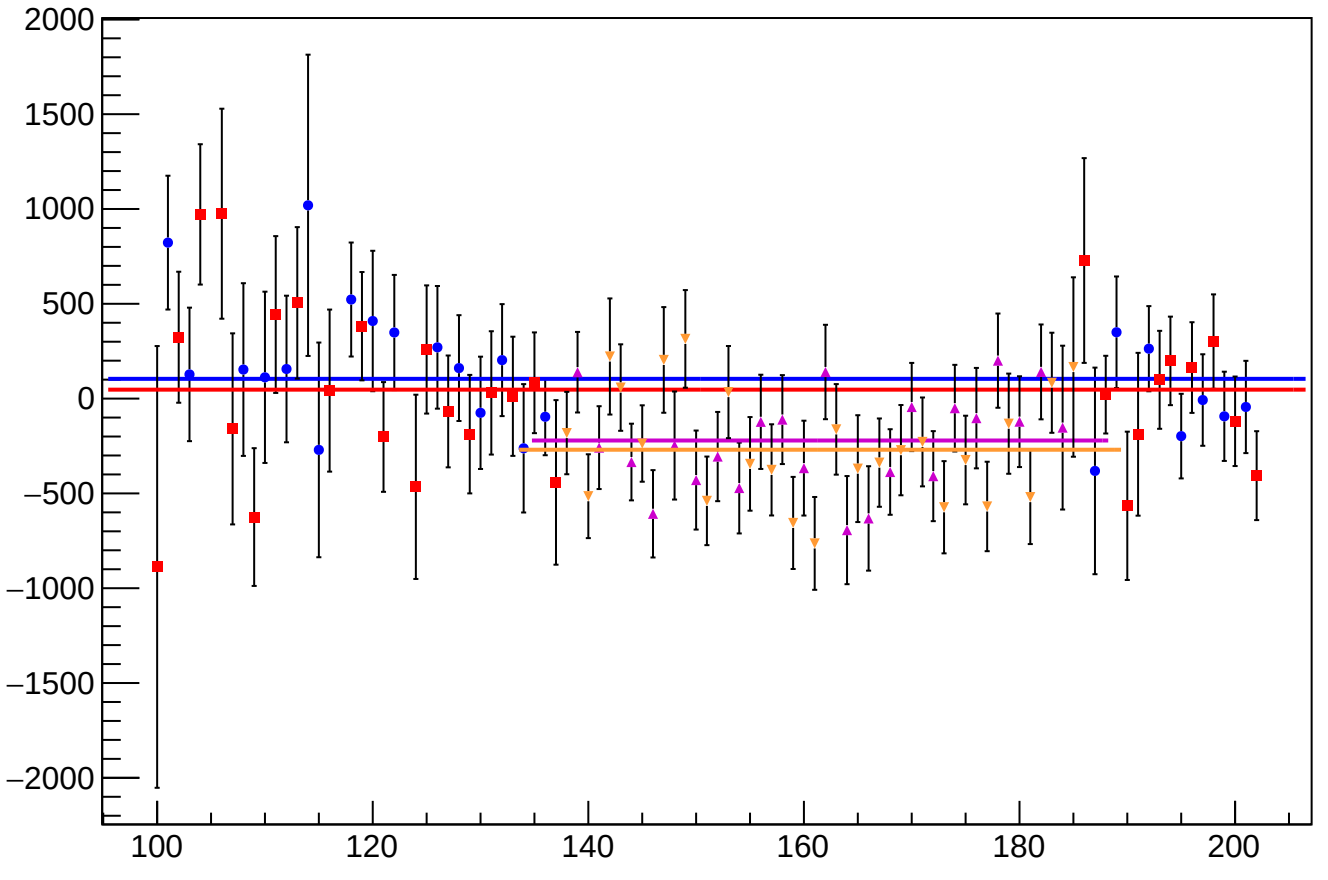
Right: -542.669+/-555.536 χ^2/NDF: 52.4/51

In: -389.606+/-333.746 χ^2/NDF:59.1/45

Out: -432.898+/-323.999 χ^2/NDF:66.9/53

All: -411.893+/-232.471 χ^2/NDF: 126.1/99


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2607.577+/-0.554 χ²/NDF: 2398969.4/22
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2851.352+/-0.557 χ²/NDF: 2847793.3/28
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2728.835+/-0.393 χ²/NDF: 5343037.8/51
In: 1757.701+/-0.236 χ²/NDF:5630181.7/45
Out: 1772.688+/-0.229 χ²/NDF:7772105.8/53
All: 1765.417+/-0.164 χ²/NDF: 13404363.6/9



Right In: 104.201+/-63.029 χ^2/NDF: 17.3/22

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 47.175+/-58.817 χ^2/NDF: 32.1/28

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

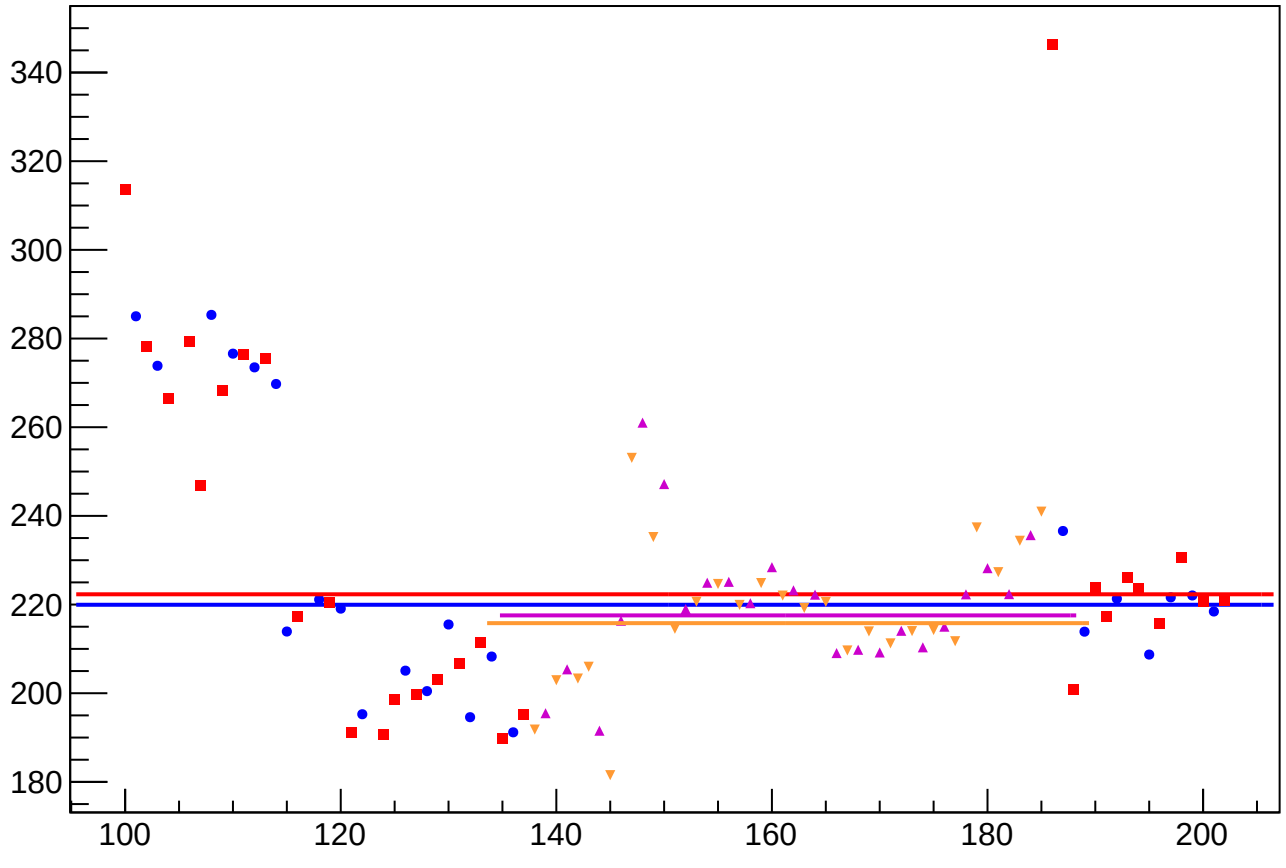
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 73.719+/-43.002 χ^2/NDF: 49.8/51

In: -92.419+/-39.626 χ^2/NDF:56.7/45

Out: -139.374+/-37.719 χ^2/NDF:80.7/53

All: -117.053+/-27.320 χ^2/NDF: 138.2/99



Right In: 219.952+/-0.045 χ^2/NDF: 327295.0/22

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 222.315+/-0.042 χ^2/NDF: 459194.0/28

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

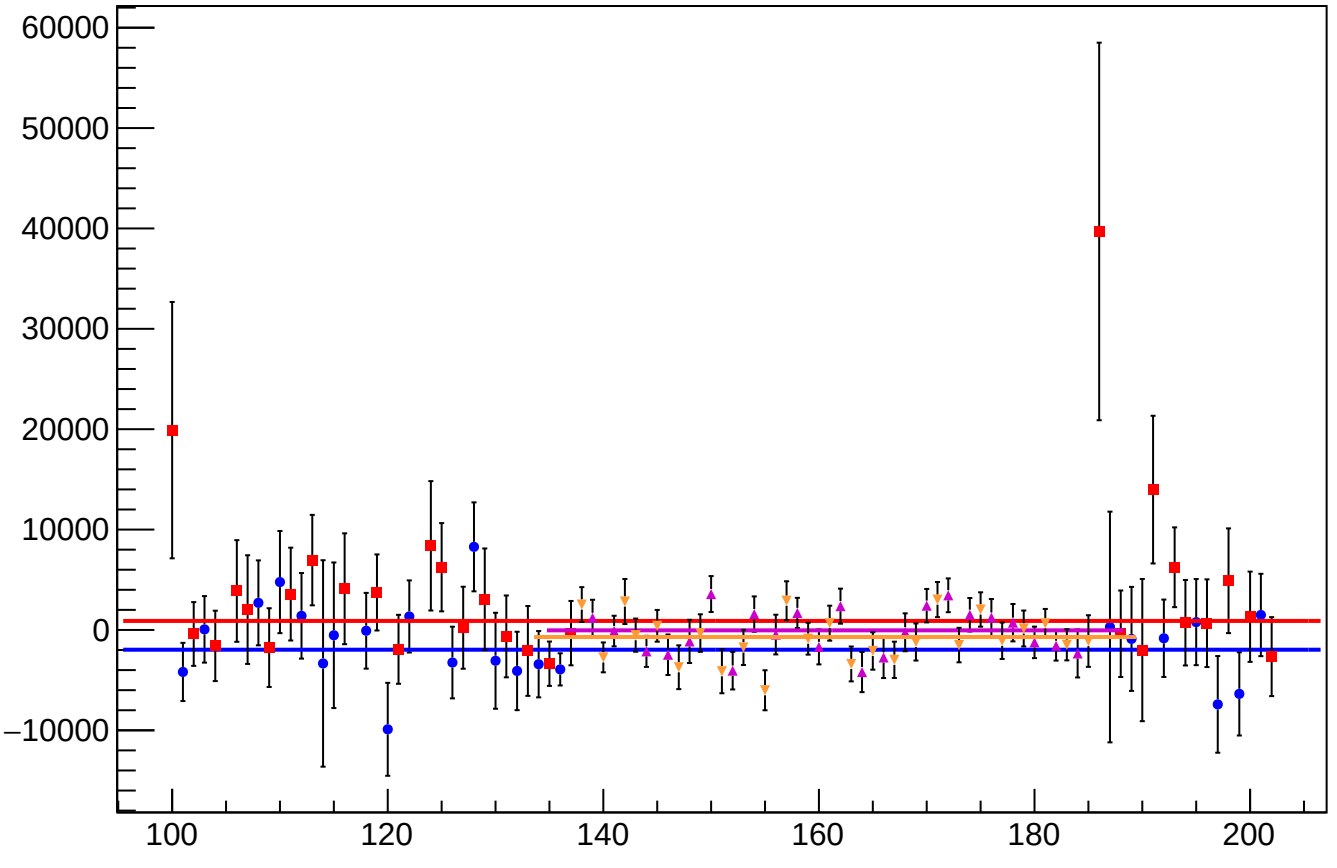
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 221.215+/-0.030 χ^2/NDF: 787991.7/51

In: 218.502+/-0.028 χ^2/NDF:490113.3/45

Out: 218.483+/-0.027 χ^2/NDF:662314.5/53

All: 218.492+/-0.019 χ^2/NDF: 1152428.0/99



Right In: -1968.910+/-783.625 χ^2/NDF: 19.9/22

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 898.389+/-787.683 χ^2/NDF: 25.9/28

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

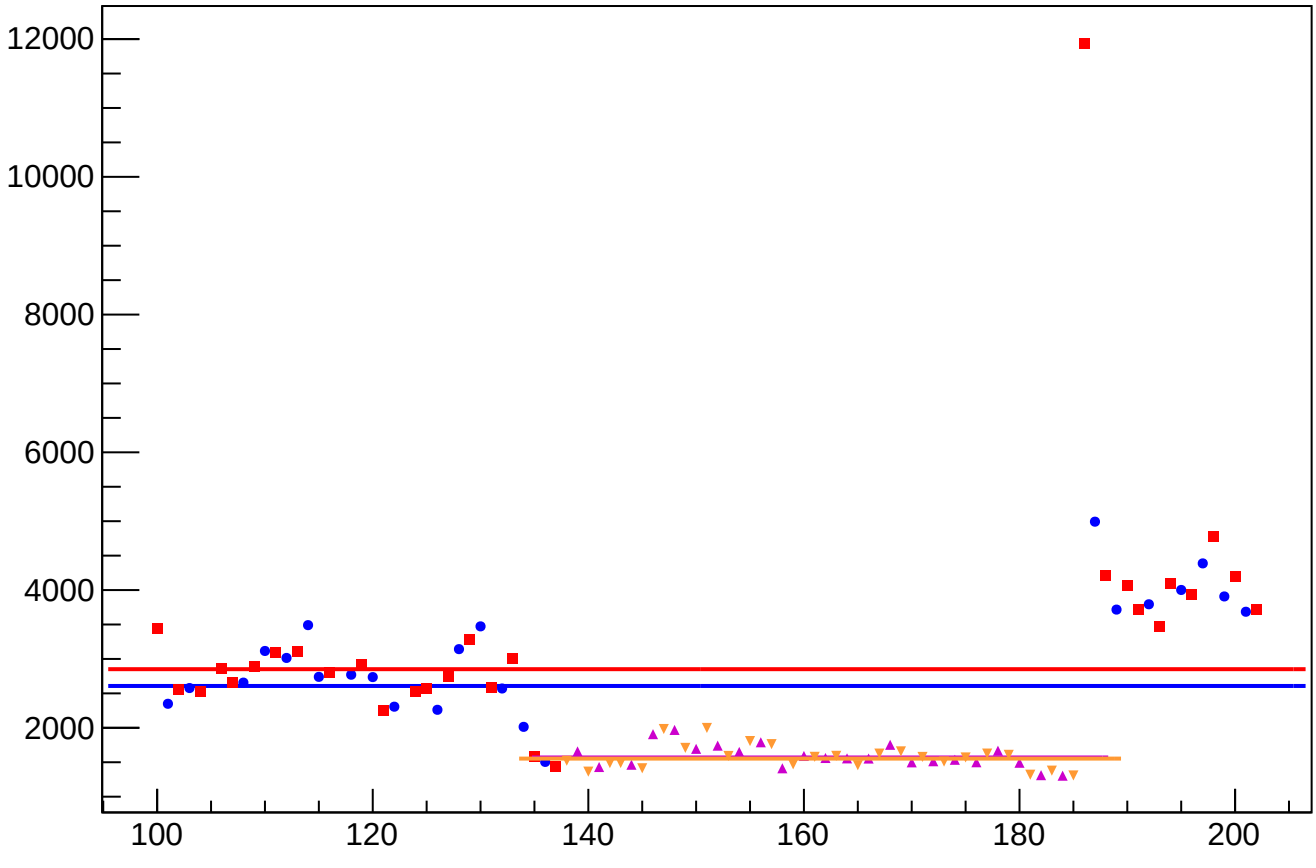
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -542.667+/-555.536 χ^2/NDF: 52.4/51

In: -389.606+/-333.746 χ^2/NDF:59.1/45

Out: -432.897+/-323.999 χ^2/NDF:66.9/53

All: -411.893+/-232.471 χ^2/NDF: 126.1/99



Right In: 2607.574+/-0.554 χ^2/NDF: 2398964.2/22

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2851.349+/-0.557 χ^2/NDF: 2847795.6/28

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

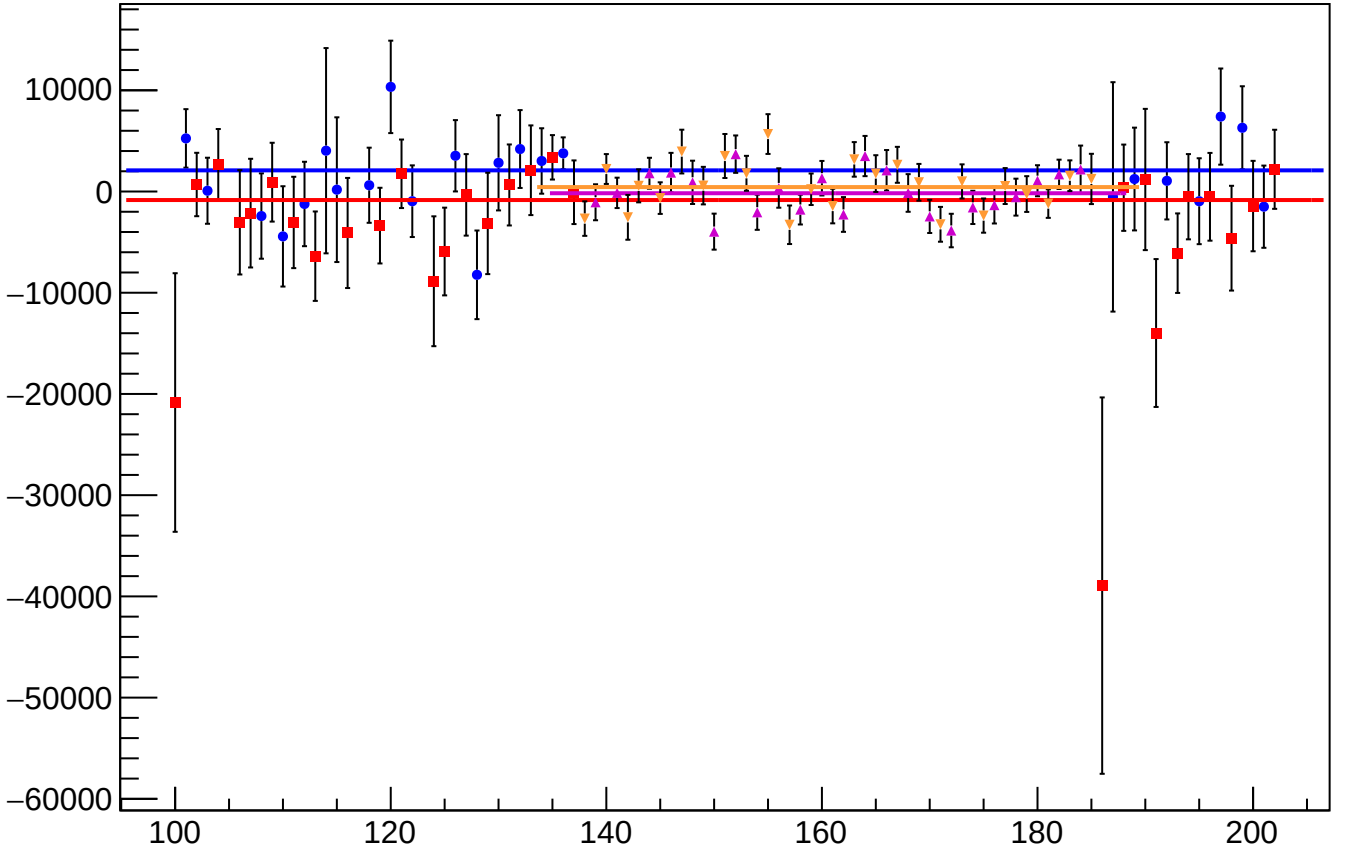
Right: 2728.831+/-0.393 χ^2/NDF: 5343034.6/51

In: 1757.701+/-0.236 χ^2/NDF:5630168.2/45

Out: 1772.688+/-0.229 χ^2/NDF:7772091.3/53

All: 1765.417+/-0.164 χ^2/NDF: 13404335.7/9

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2089.774+/-772.210 χ^2/NDF: 20.4/22

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -842.493+/-779.167 χ^2/NDF: 25.4/28

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

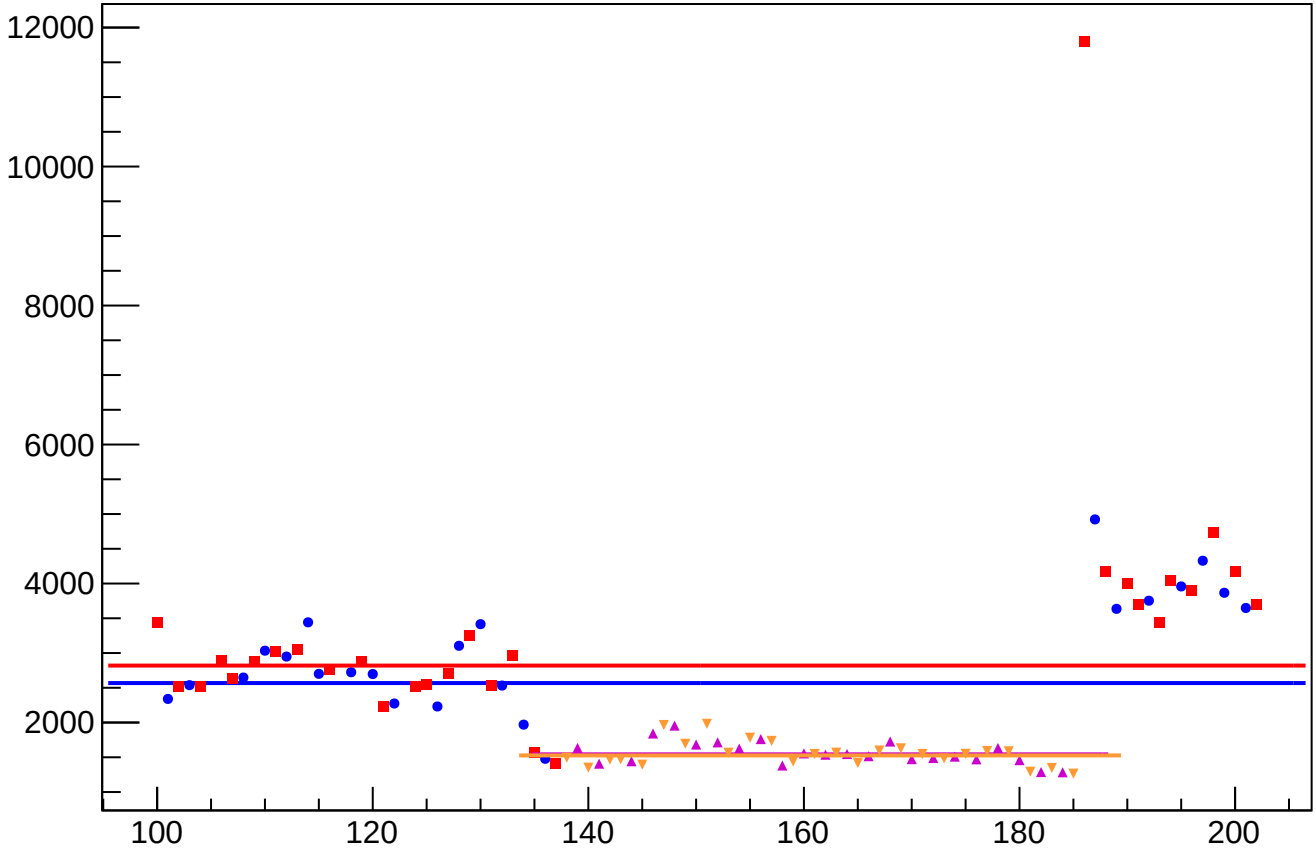
Right: 636.790+/-548.478 χ^2/NDF: 53.0/51

In: 238.290+/-328.180 χ^2/NDF:60.4/45

Out: 223.036+/-318.950 χ^2/NDF:66.5/53

All: 230.445+/-228.725 χ^2/NDF: 126.9/99

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2567.880+/-0.546 χ^2/NDF: 2420274.8/22

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2819.392+/-0.551 χ^2/NDF: 2857748.6/28

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

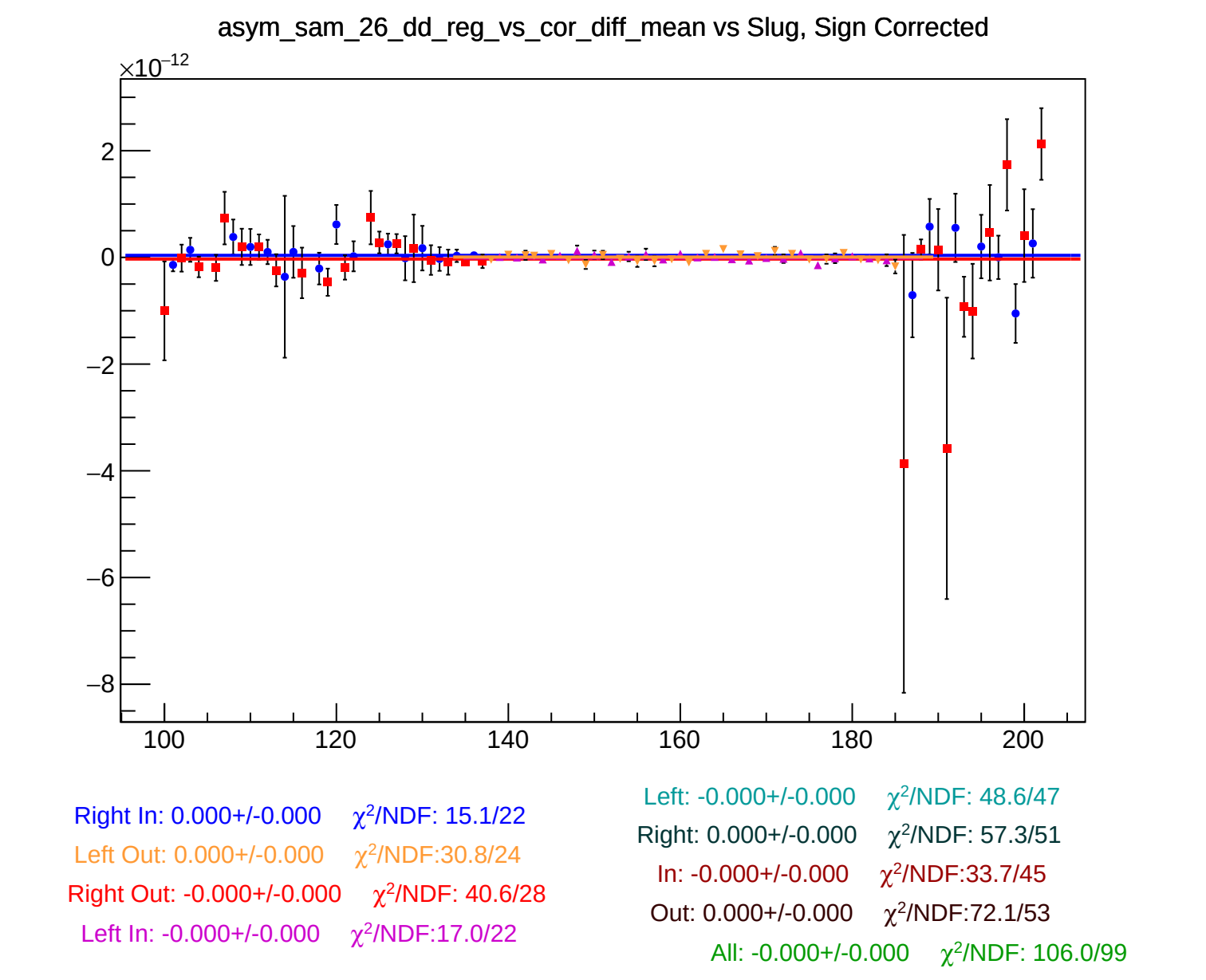
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2692.508+/-0.388 χ^2/NDF: 5383155.0/51

In: 1727.504+/-0.232 χ^2/NDF:5673366.4/45

Out: 1743.332+/-0.226 χ^2/NDF:7869602.0/53

All: 1735.644+/-0.162 χ^2/NDF: 13545361.0/9


asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
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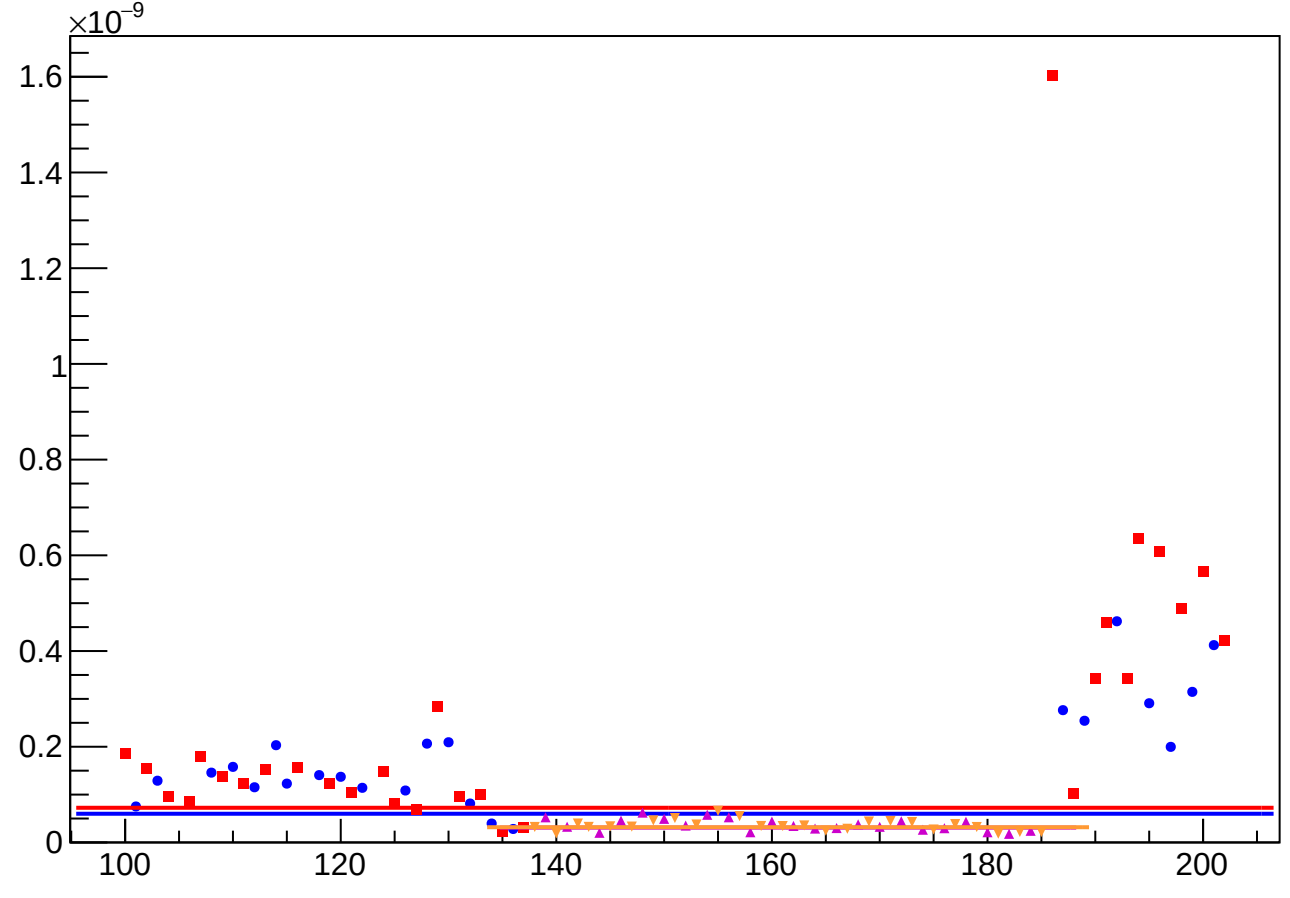
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.1/22
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 40.6/28
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
Left: -0.000+/-0.000 χ²/NDF: 48.6/47
Right: 0.000+/-0.000 χ²/NDF: 57.3/51
In: -0.000+/-0.000 χ²/NDF:33.7/45
Out: 0.000+/-0.000 χ²/NDF:72.1/53
All: -0.000+/-0.000 χ²/NDF: 106.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 5435869.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6775802.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

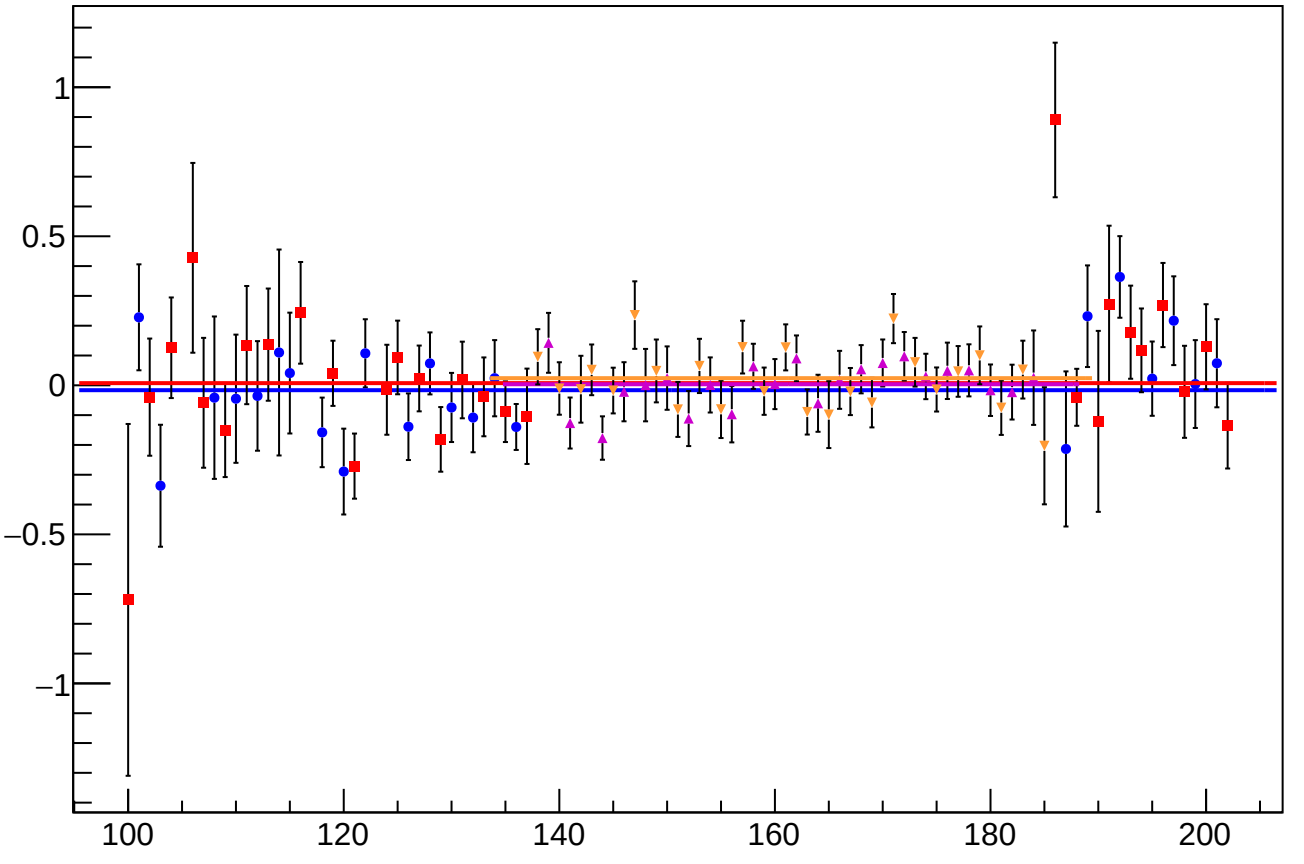
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12314617.1/51

In: 0.000+/-0.000 χ^2/NDF:8193616.0/45

Out: 0.000+/-0.000 χ^2/NDF:9751891.1/53

All: 0.000+/-0.000 χ^2/NDF: 17950026.4/99



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

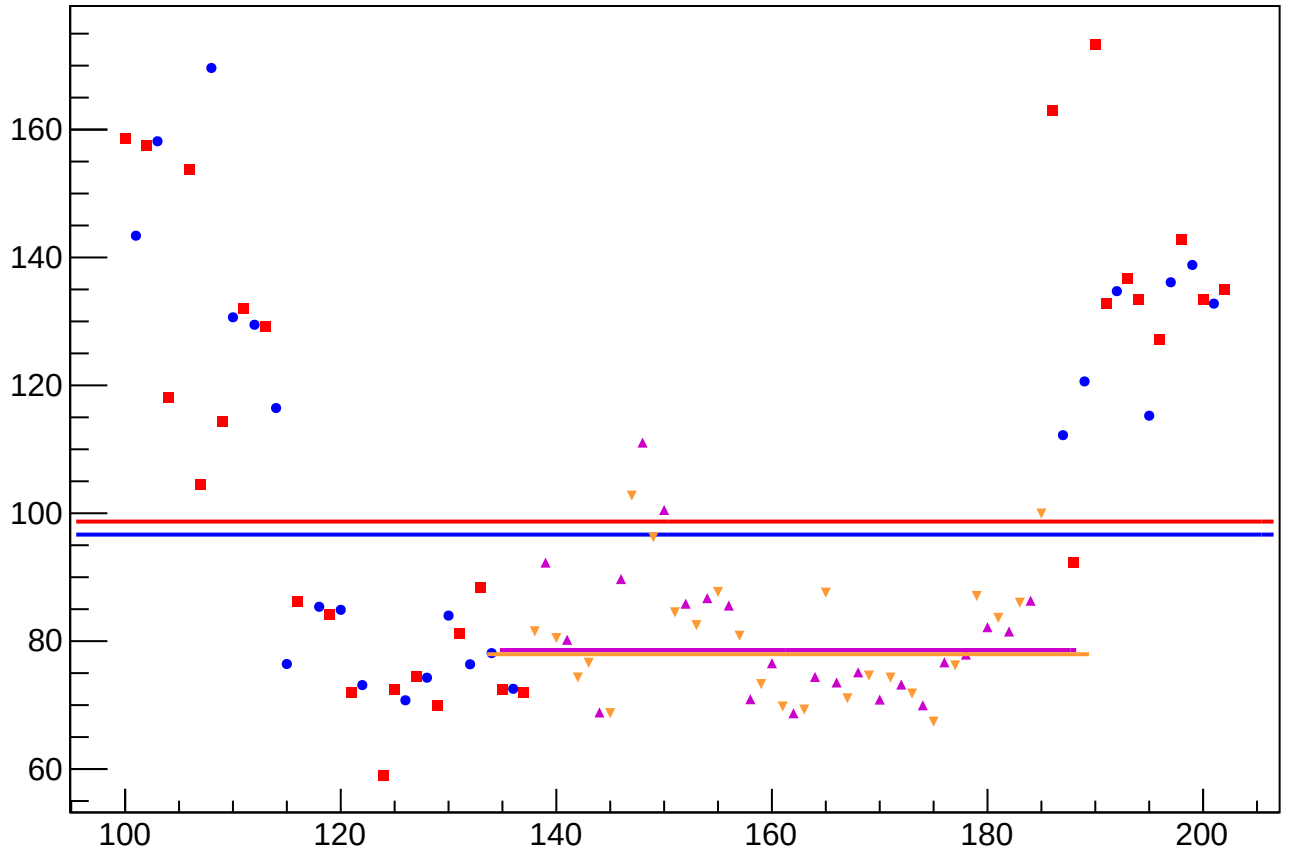
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.004+/-0.020 χ^2/NDF: 69.4/51

In: -0.002+/-0.016 χ^2/NDF:48.9/45

Out: 0.019+/-0.015 χ^2/NDF:65.2/53

All: 0.009+/-0.011 χ^2/NDF: 115.0/99



Right In: 96.663+/-0.020 χ^2/NDF: 1911733.7/22

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 98.699+/-0.019 χ^2/NDF: 2302378.9/28

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

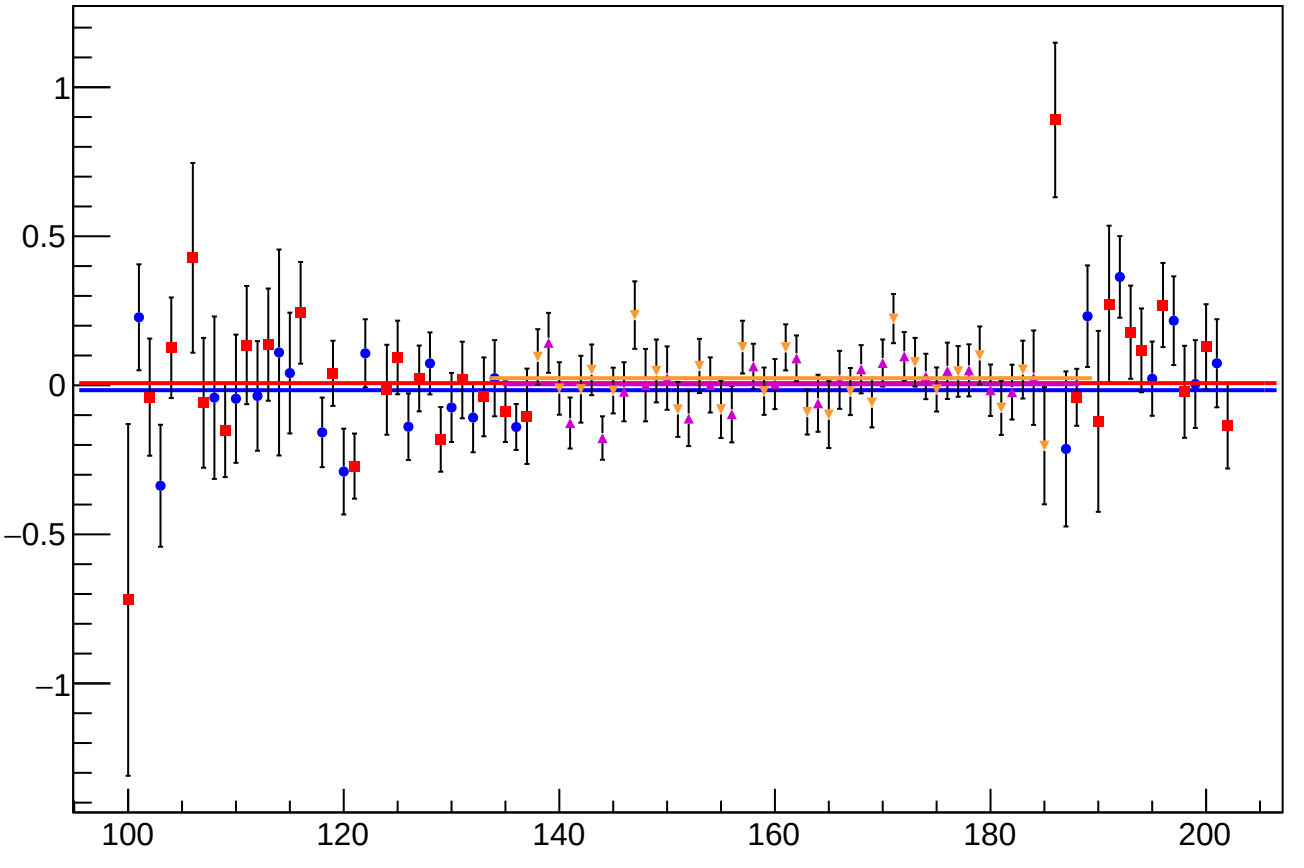
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 97.739+/-0.014 χ^2/NDF: 4219394.6/51

In: 83.912+/-0.011 χ^2/NDF:2964306.0/45

Out: 84.203+/-0.011 χ^2/NDF:3554647.2/53

All: 84.064+/-0.008 χ^2/NDF: 6519314.9/99



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

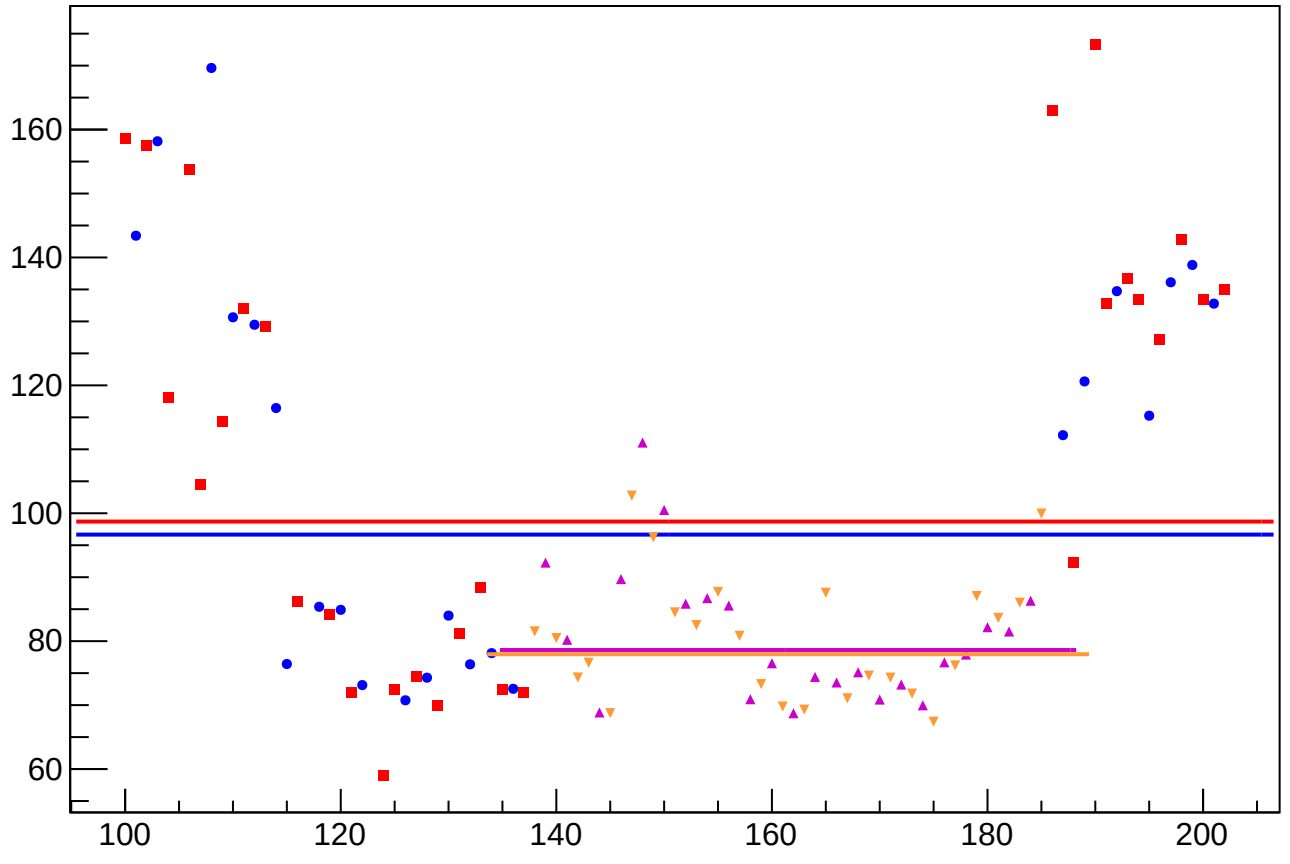
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.004+/-0.020 χ^2/NDF: 69.4/51

In: -0.002+/-0.016 χ^2/NDF:48.9/45

Out: 0.019+/-0.015 χ^2/NDF:65.2/53

All: 0.009+/-0.011 χ^2/NDF: 115.0/99



Right In: 96.663+/-0.020 χ^2/NDF: 1911733.7/22

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 98.699+/-0.019 χ^2/NDF: 2302378.9/28

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

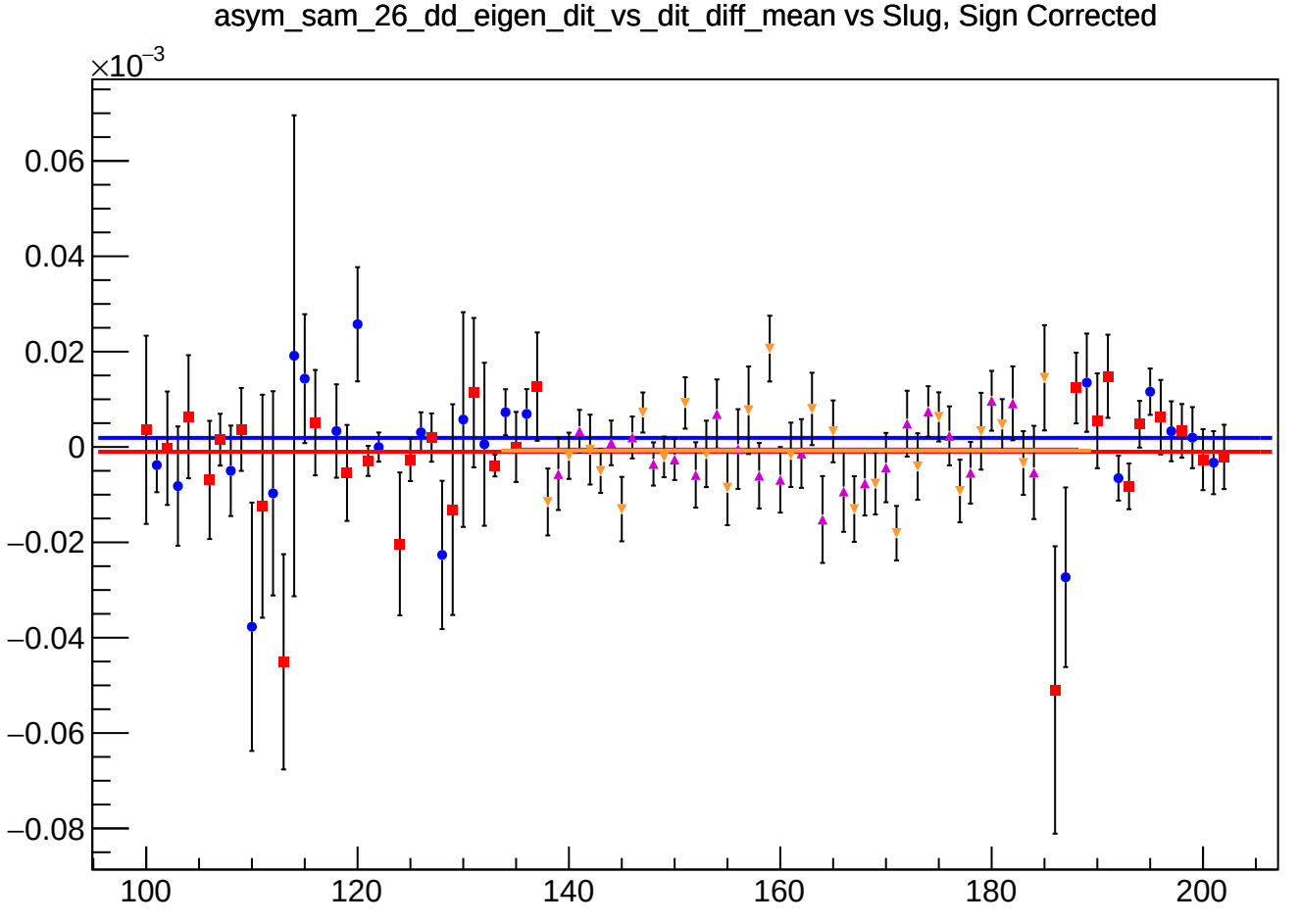
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 97.739+/-0.014 χ^2/NDF: 4219394.6/51

In: 83.912+/-0.011 χ^2/NDF:2964306.0/45

Out: 84.203+/-0.011 χ^2/NDF:3554647.2/53

All: 84.064+/-0.008 χ^2/NDF: 6519314.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

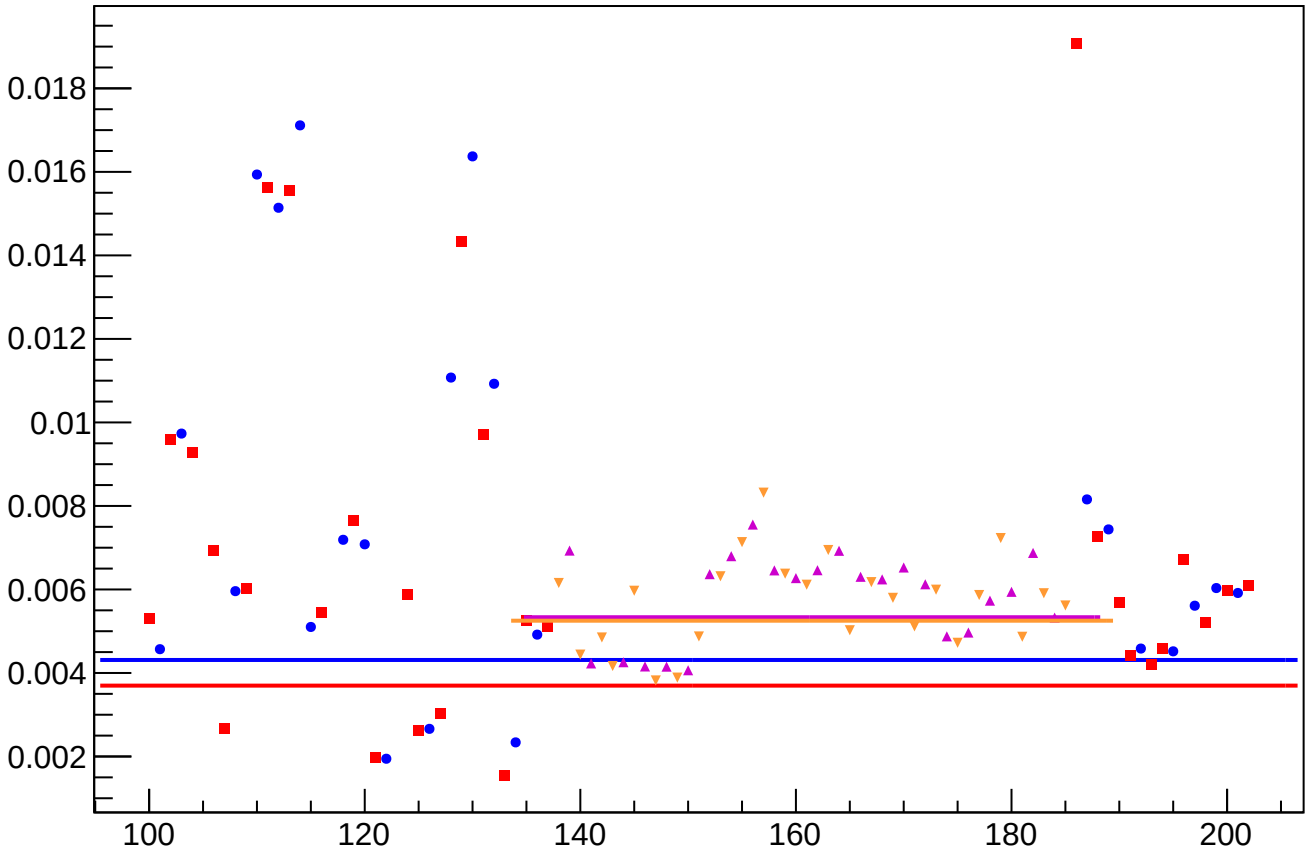
Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

Right: 0.000+/-0.000 χ^2/NDF: 56.1/51

In: 0.000+/-0.000 χ^2/NDF:46.8/45

Out: -0.000+/-0.000 χ^2/NDF:74.7/53

All: -0.000+/-0.000 χ^2/NDF: 122.8/99



Right In: 0.004+/-0.000 χ^2/NDF: 5502896.6/22

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8211543.5/28

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

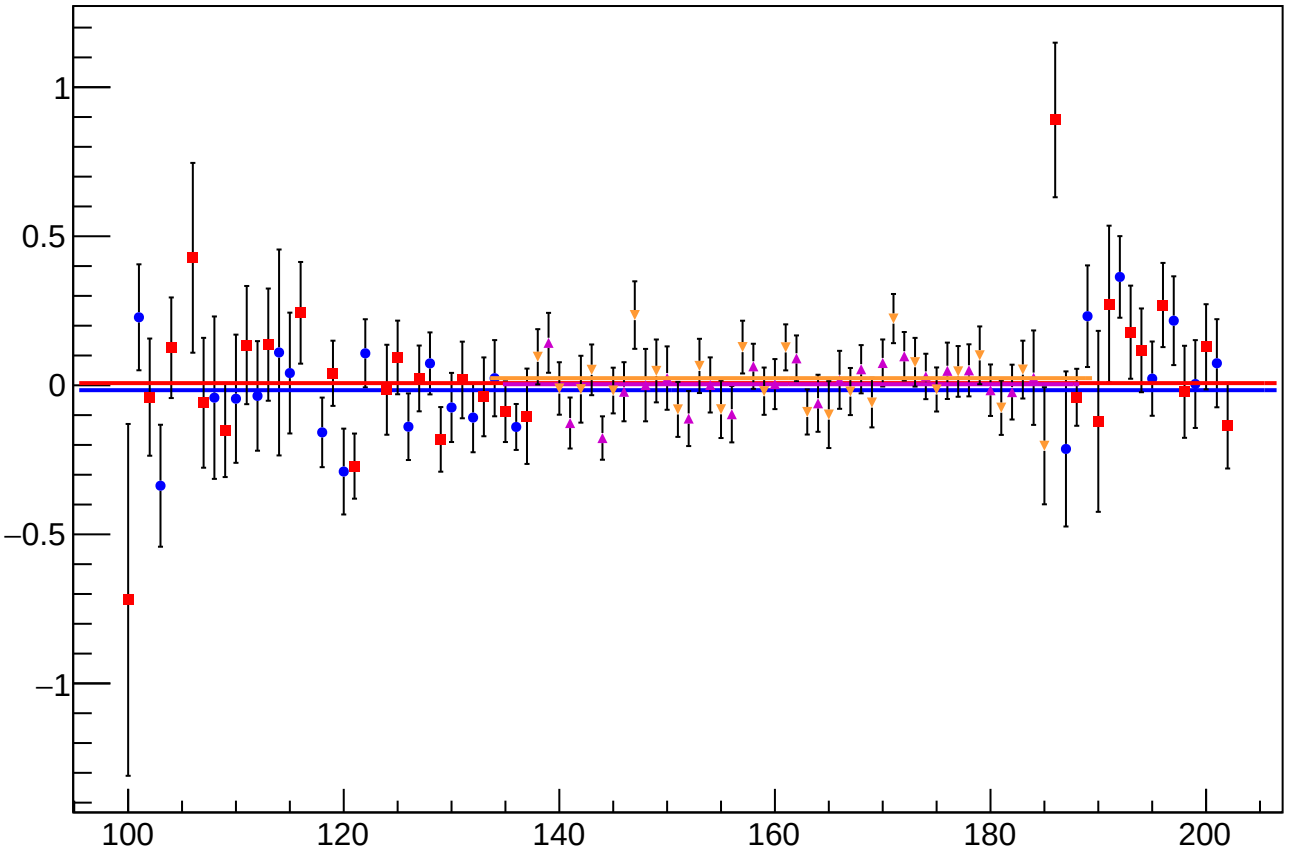
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 13938527.5/51

In: 0.005+/-0.000 χ^2/NDF:7586624.0/45

Out: 0.004+/-0.000 χ^2/NDF:11409681.4/53

All: 0.005+/-0.000 χ^2/NDF: 19229239.6/99



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

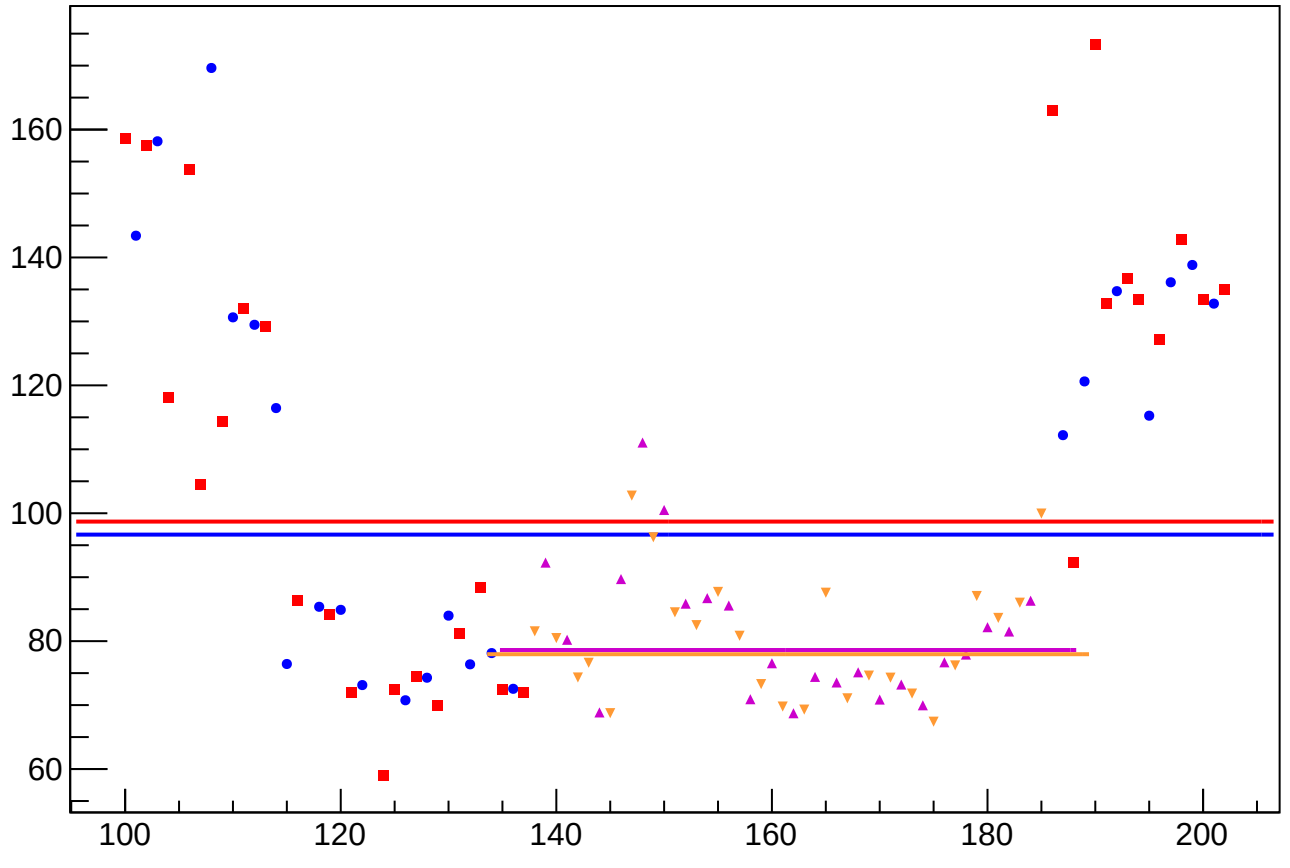
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.004+/-0.020 χ^2/NDF: 69.4/51

In: -0.002+/-0.016 χ^2/NDF:48.9/45

Out: 0.019+/-0.015 χ^2/NDF:65.2/53

All: 0.009+/-0.011 χ^2/NDF: 115.0/99



Right In: 96.660+/-0.020 χ^2/NDF: 1911811.6/22

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 98.697+/-0.019 χ^2/NDF: 2302456.9/28

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

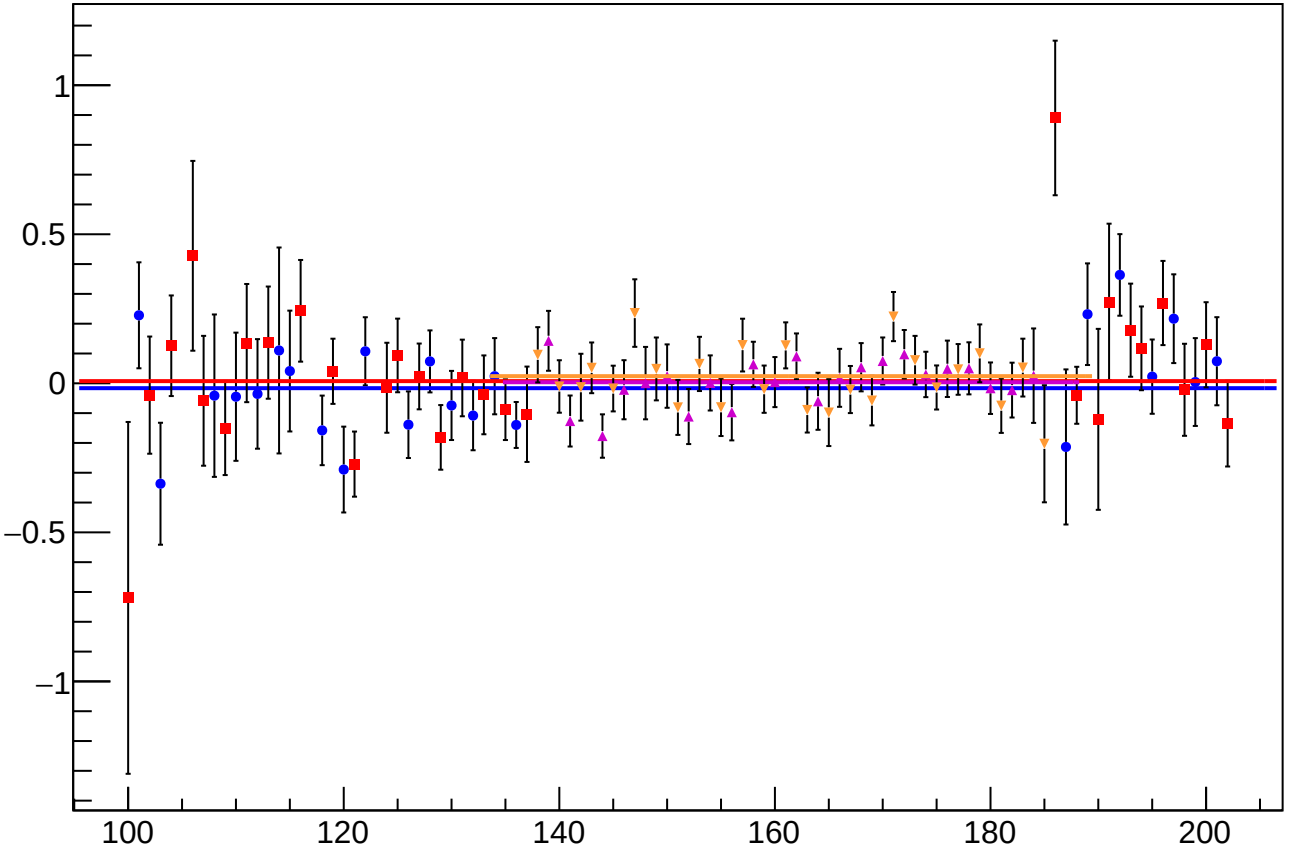
Right: 97.737+/-0.014 χ^2/NDF: 4219552.8/51

In: 83.911+/-0.011 χ^2/NDF:2964338.6/45

Out: 84.202+/-0.011 χ^2/NDF:3554663.7/53

All: 84.063+/-0.008 χ^2/NDF: 6519364.8/99

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

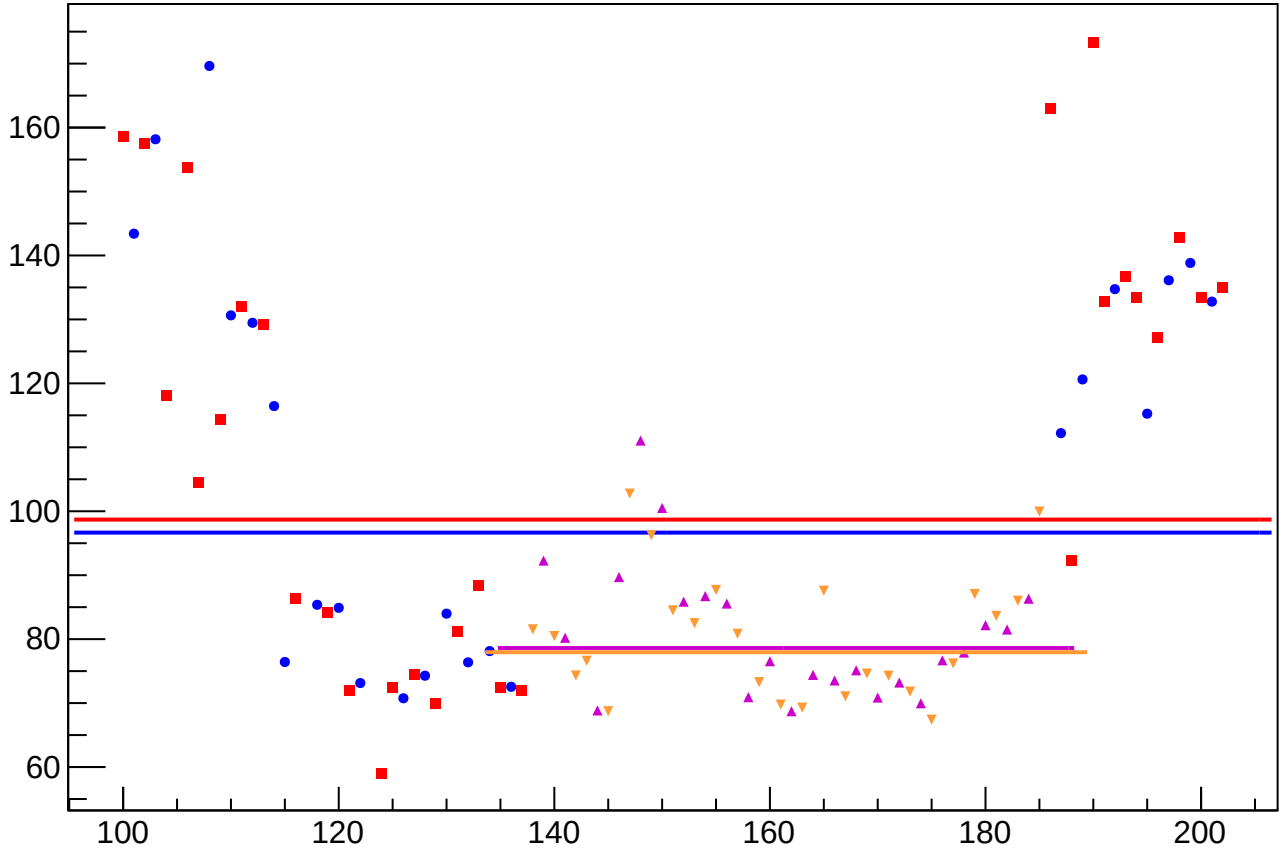
Right: -0.004+/-0.020 χ^2/NDF: 69.4/51

In: -0.002+/-0.016 χ^2/NDF:48.9/45

Out: 0.019+/-0.015 χ^2/NDF:65.2/53

All: 0.009+/-0.011 χ^2/NDF: 115.0/99

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 96.660+/-0.020 χ^2/NDF: 1911811.6/22

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 98.697+/-0.019 χ^2/NDF: 2302456.9/28

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

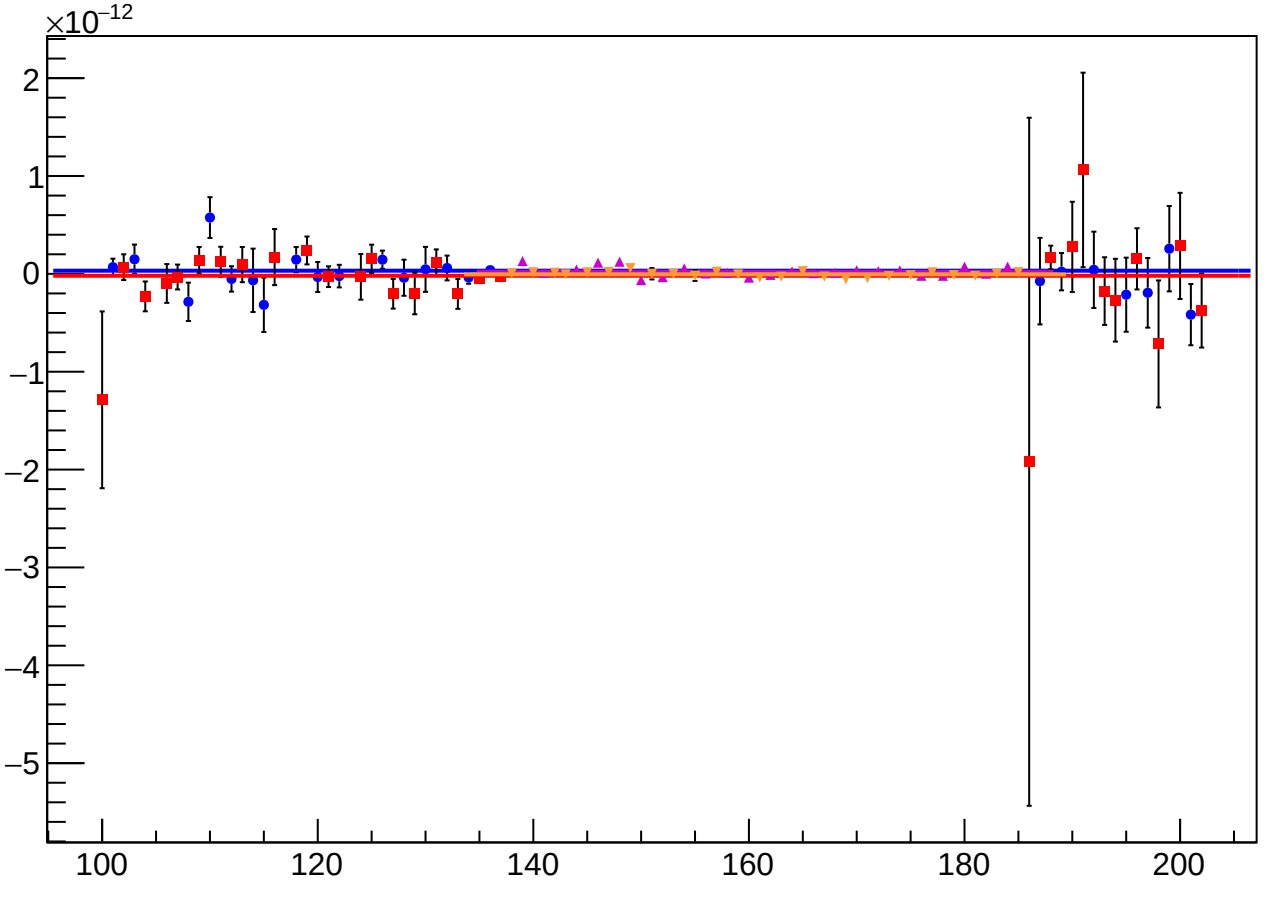
Right: 97.737+/-0.014 χ^2/NDF: 4219552.8/51

In: 83.911+/-0.011 χ^2/NDF:2964338.6/45

Out: 84.202+/-0.011 χ^2/NDF:3554663.7/53

All: 84.063+/-0.008 χ^2/NDF: 6519364.8/99

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/28

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: 48.1/51

In: 0.000+/-0.000 χ^2/NDF:60.0/45

Out: -0.000+/-0.000 χ^2/NDF:39.0/53

All: 0.000+/-0.000 χ^2/NDF: 109.3/99

Right In: 0.000+/-0.000 χ^2/NDF: 7216684.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10110087.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

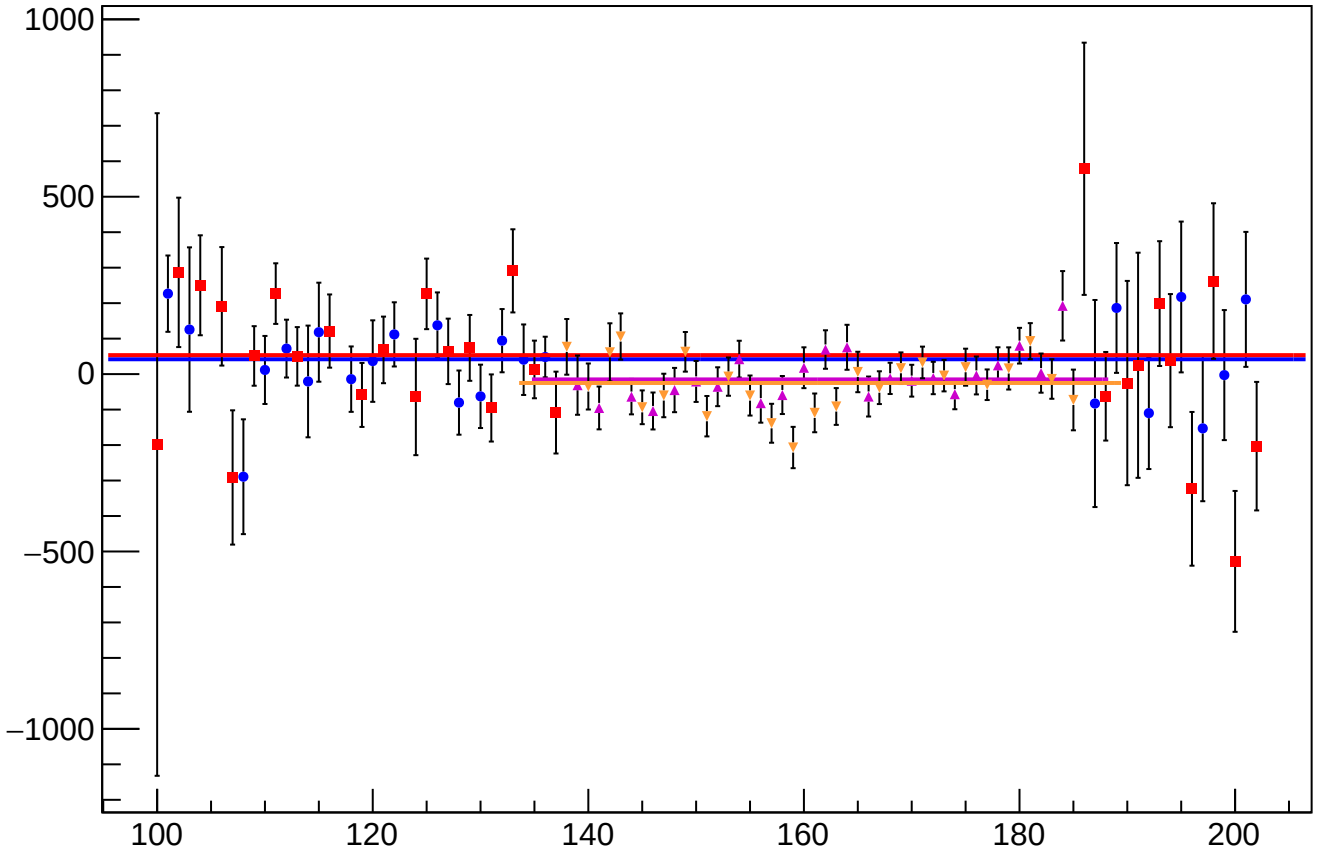
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17352842.0/51

In: 0.000+/-0.000 χ^2/NDF:11756082.5/45

Out: 0.000+/-0.000 χ^2/NDF:14515577.3/53

All: 0.000+/-0.000 χ^2/NDF: 26272522.0/99



Right In: 41.840+/-22.992 χ^2/NDF: 17.7/22

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 53.449+/-22.763 χ^2/NDF: 44.1/28

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

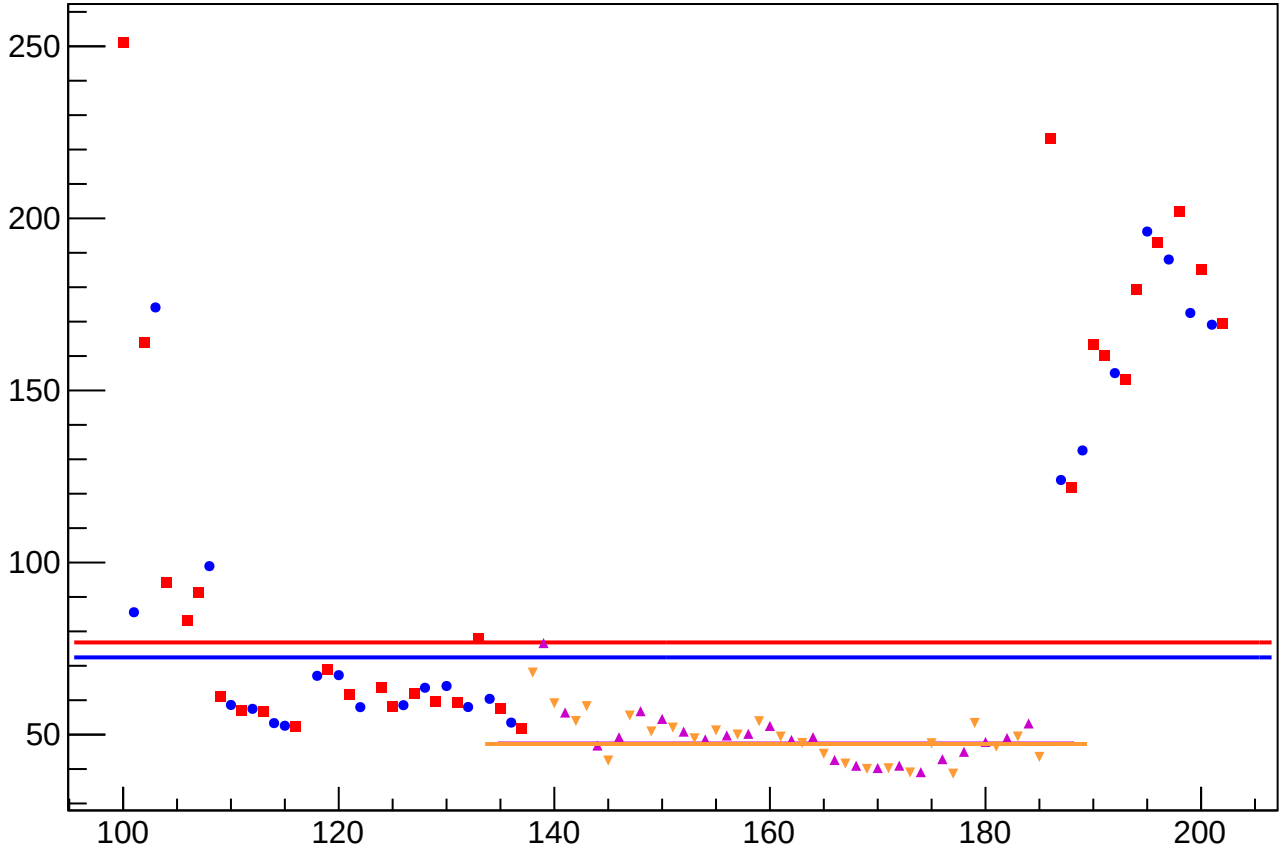
Right: 47.703+/-16.176 χ^2/NDF: 62.0/51

In: -4.066+/-10.082 χ^2/NDF:47.4/45

Out: -10.385+/-9.822 χ^2/NDF:96.9/53

All: -7.308+/-7.035 χ^2/NDF: 144.5/99

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.442+/-0.016 χ^2/NDF: 4343283.1/22

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 76.787+/-0.016 χ^2/NDF: 5645766.3/28

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

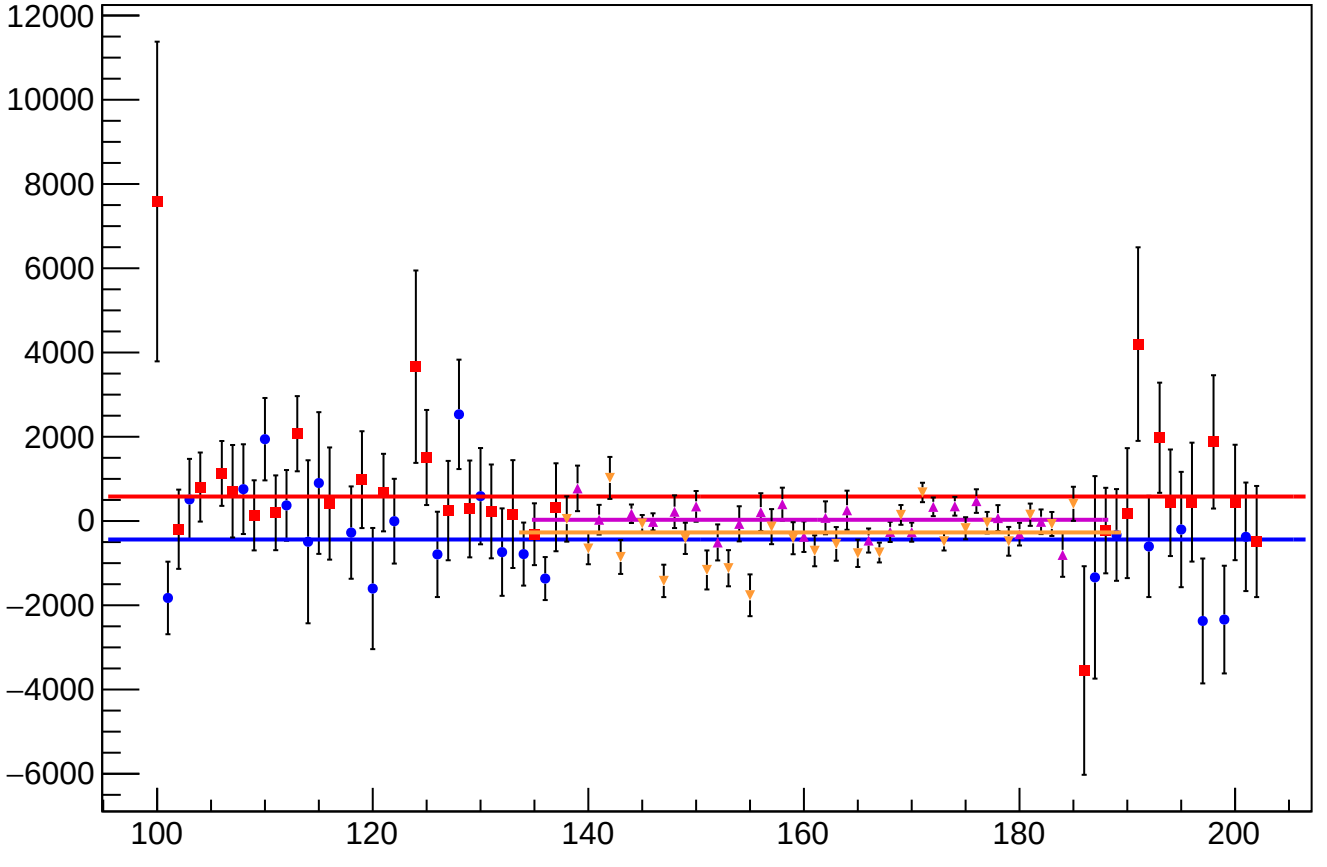
Right: 74.636+/-0.011 χ^2/NDF: 10025119.0/51

In: 52.235+/-0.007 χ^2/NDF:6911528.2/45

Out: 52.776+/-0.007 χ^2/NDF:9097278.9/53

All: 52.513+/-0.005 χ^2/NDF: 16011764.0/99

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -438.669+/-215.689 χ^2/NDF: 27.1/22

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 581.204+/-207.254 χ^2/NDF: 21.0/28

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

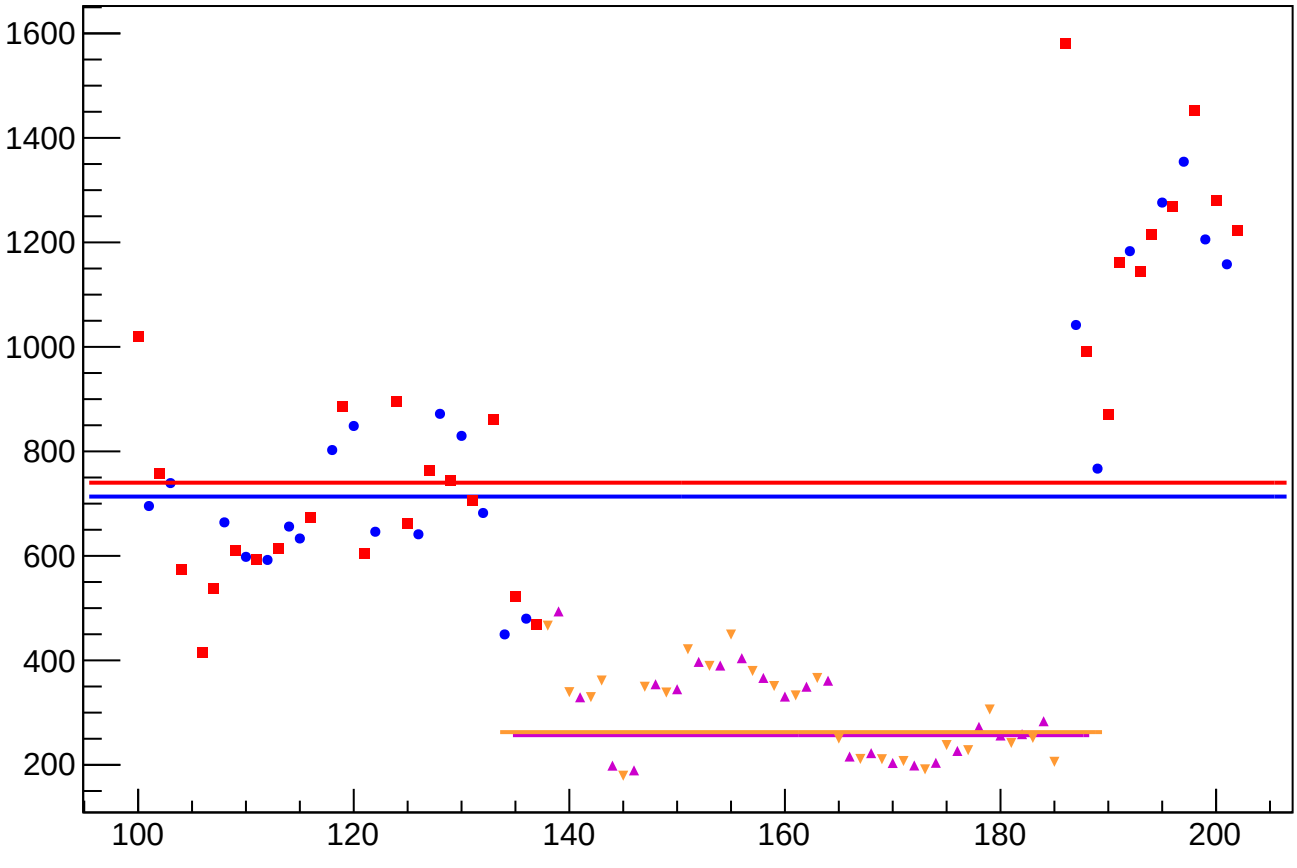
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 91.598+/-149.444 χ^2/NDF: 59.6/51

In: -7.225+/-60.182 χ^2/NDF:55.8/45

Out: -200.311+/-59.703 χ^2/NDF:110.4/53

All: -104.538+/-42.385 χ^2/NDF: 171.4/99



Right In: 713.512+/-0.153 χ^2/NDF: 2446647.6/22

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 740.079+/-0.147 χ^2/NDF: 3265743.7/28

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

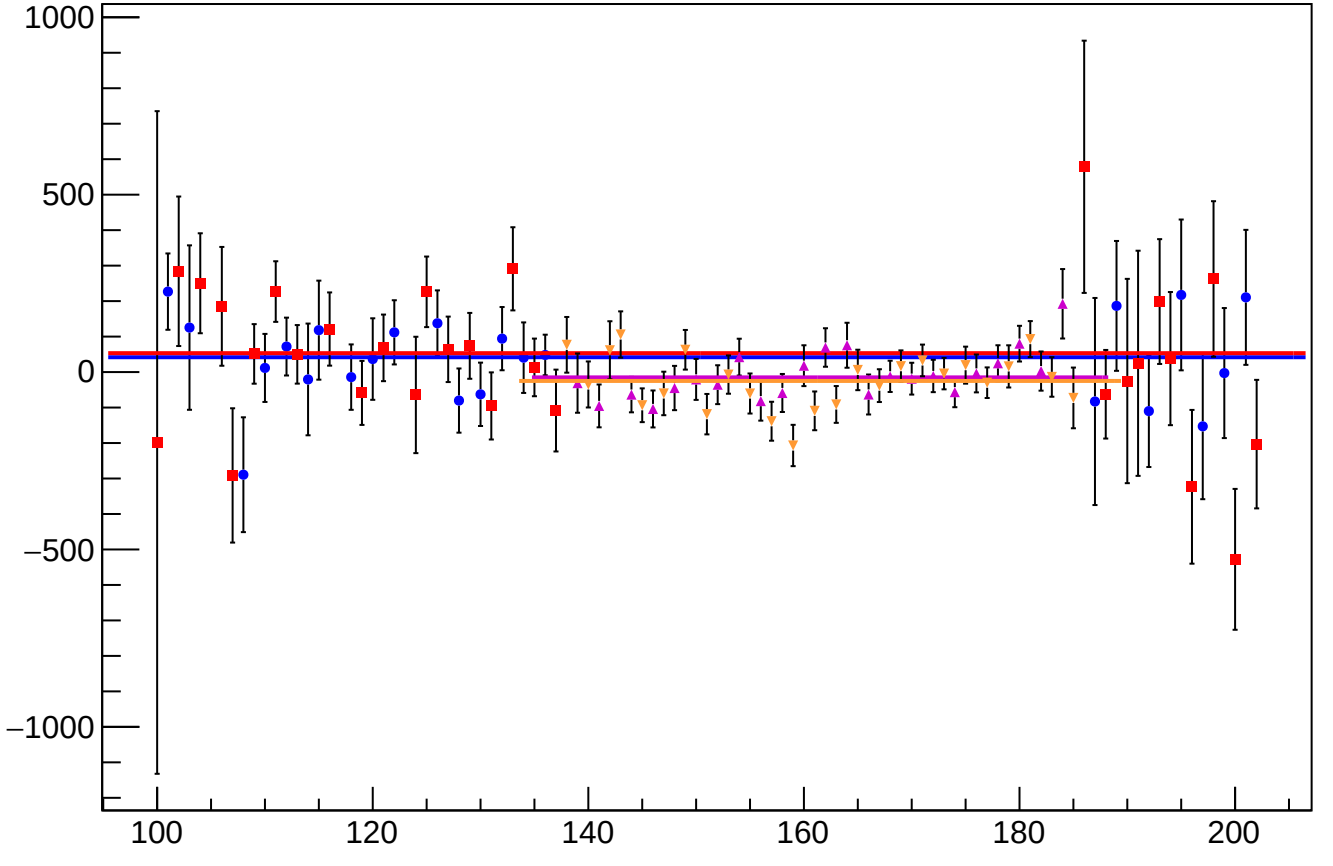
Right: 727.325+/-0.106 χ^2/NDF: 5728166.7/51

In: 292.395+/-0.043 χ^2/NDF:13353478.3/45

Out: 302.295+/-0.042 χ^2/NDF:15890162.5/53

All: 297.384+/-0.030 χ^2/NDF: 29270914.2/99

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 41.833+/-22.992 χ^2/NDF: 17.7/22

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 53.289+/-22.764 χ^2/NDF: 44.0/28

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

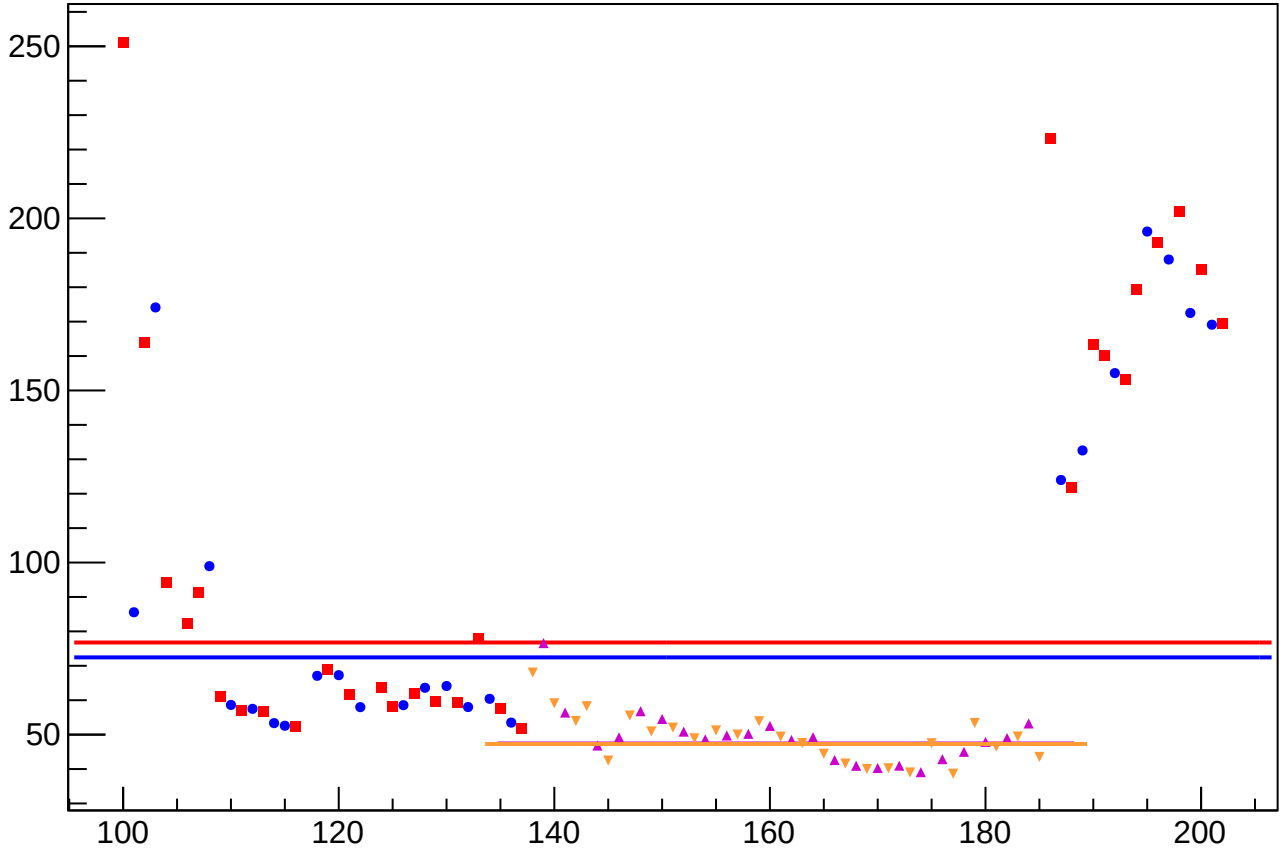
Right: 47.618+/-16.177 χ^2/NDF: 61.9/51

In: -4.066+/-10.082 χ^2/NDF:47.4/45

Out: -10.413+/-9.822 χ^2/NDF:96.7/53

All: -7.322+/-7.035 χ^2/NDF: 144.3/99

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.442+/-0.016 χ^2/NDF: 4343285.5/22

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 76.767+/-0.016 χ^2/NDF: 5645067.9/28

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

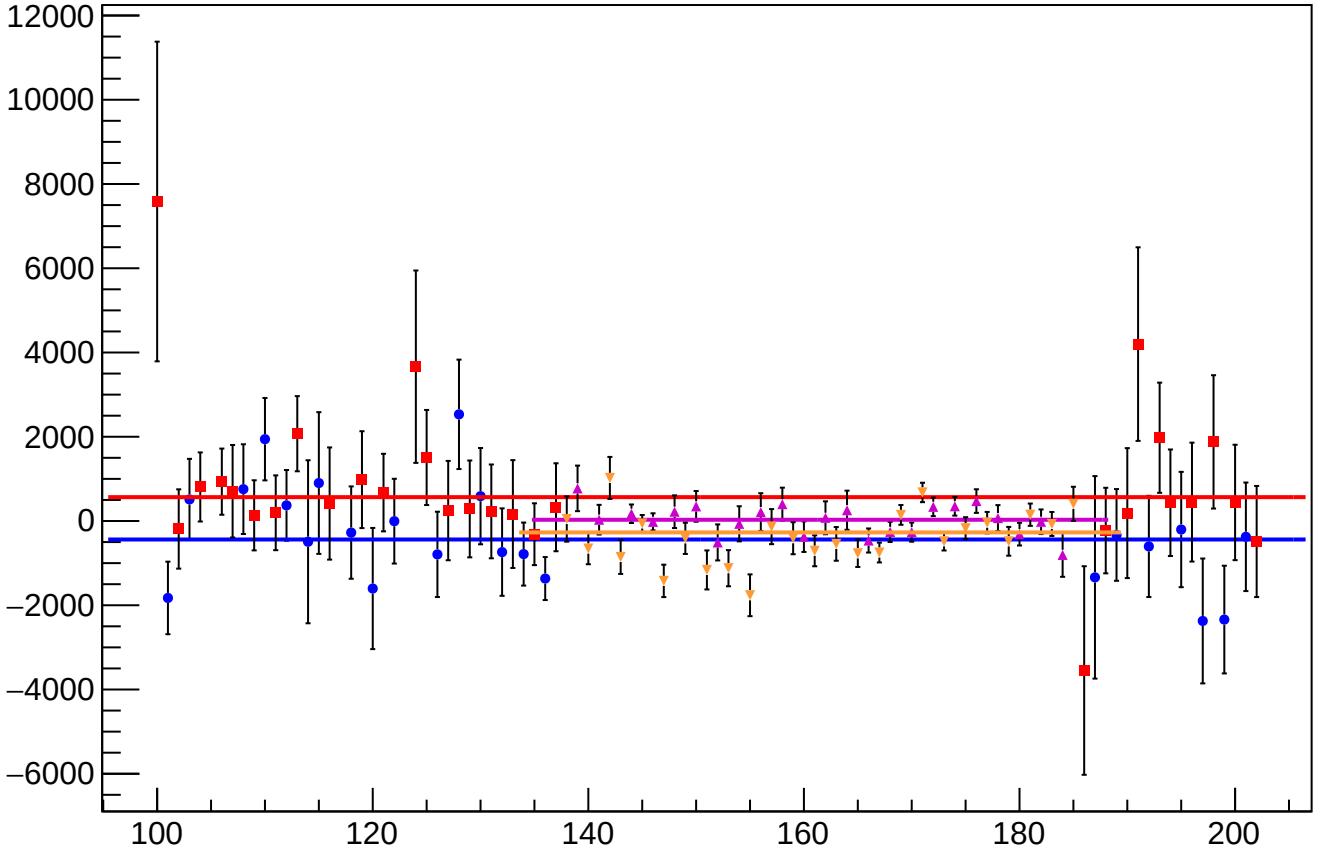
Right: 74.626+/-0.011 χ^2/NDF: 10024096.6/51

In: 52.235+/-0.007 χ^2/NDF:6911530.0/45

Out: 52.772+/-0.007 χ^2/NDF:9092715.4/53

All: 52.511+/-0.005 χ^2/NDF: 16007157.5/99

asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -438.668+/-215.690 χ^2/NDF: 27.1/22

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 566.477+/-207.559 χ^2/NDF: 20.6/28

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

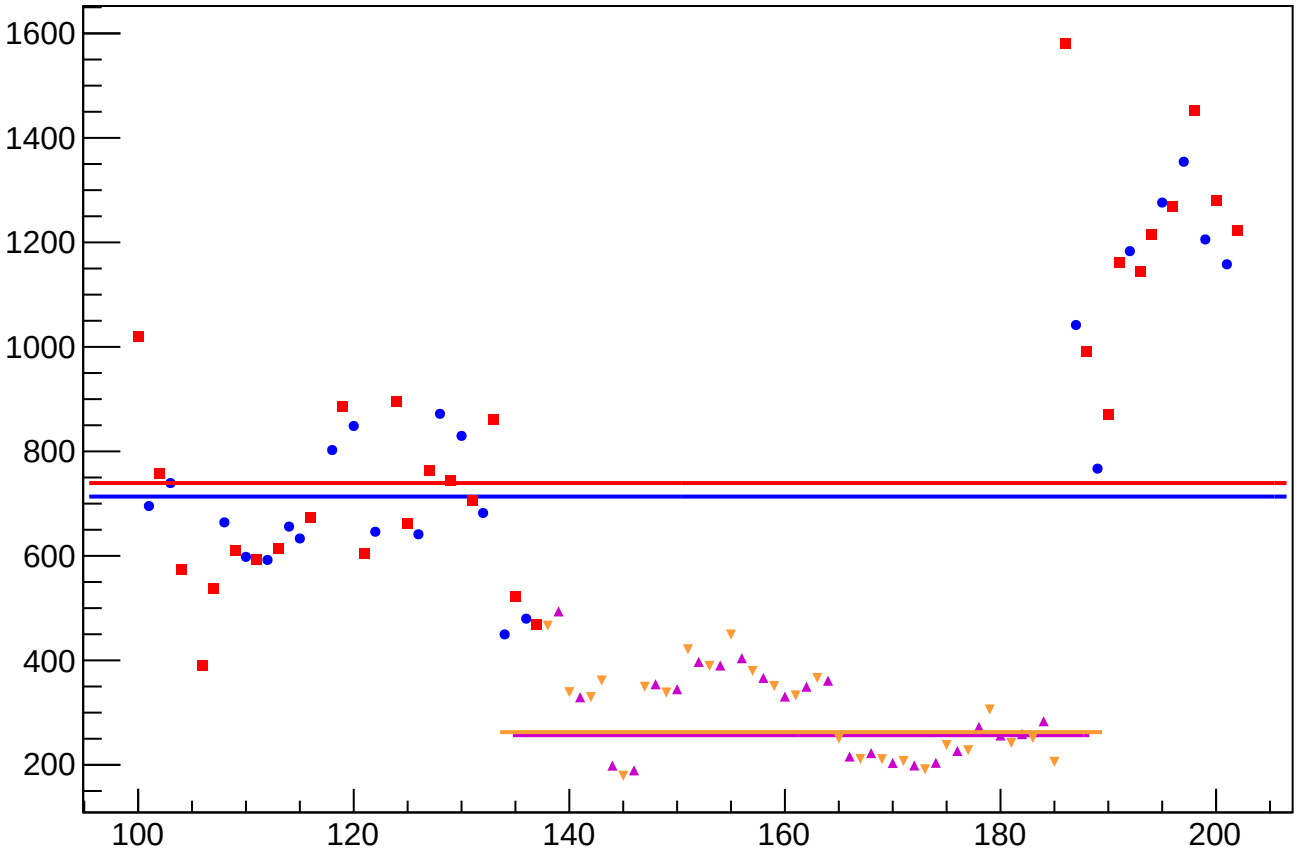
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 83.207+/-149.558 χ^2/NDF: 59.0/51

In: -7.222+/-60.182 χ^2/NDF:55.8/45

Out: -201.715+/-59.710 χ^2/NDF:109.5/53

All: -105.234+/-42.387 χ^2/NDF: 170.5/99



Right In: 713.516+/-0.153 χ^2/NDF: 2446655.7/22

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 739.402+/-0.147 χ^2/NDF: 3303034.9/28

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

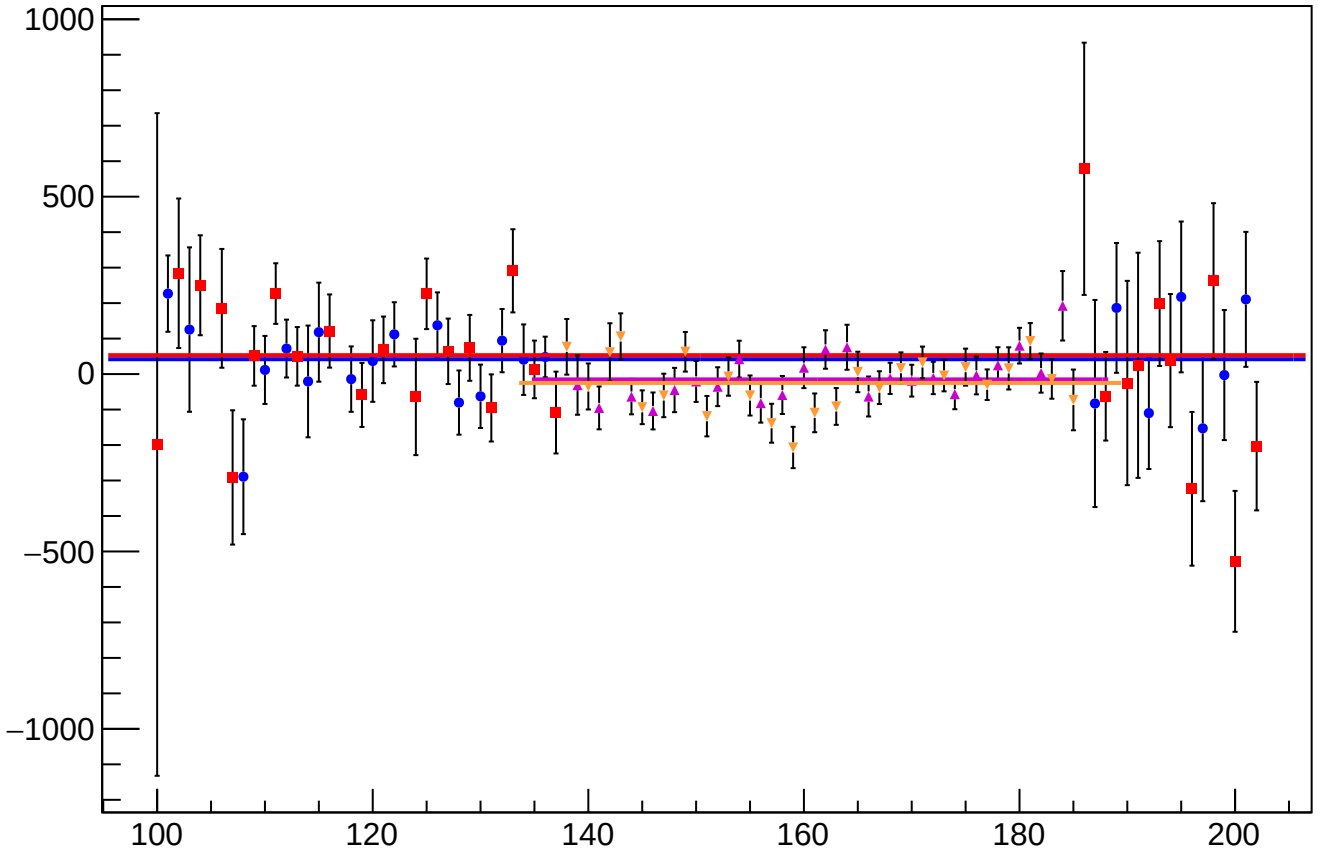
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 726.956+/-0.106 χ^2/NDF: 5764648.0/51

In: 292.395+/-0.043 χ^2/NDF:13353522.8/45

Out: 302.132+/-0.042 χ^2/NDF:15873804.2/53

All: 297.302+/-0.030 χ^2/NDF: 29253708.7/99



Right In: 41.833+/-22.992 χ^2/NDF: 17.7/22

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 53.289+/-22.764 χ^2/NDF: 44.0/28

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

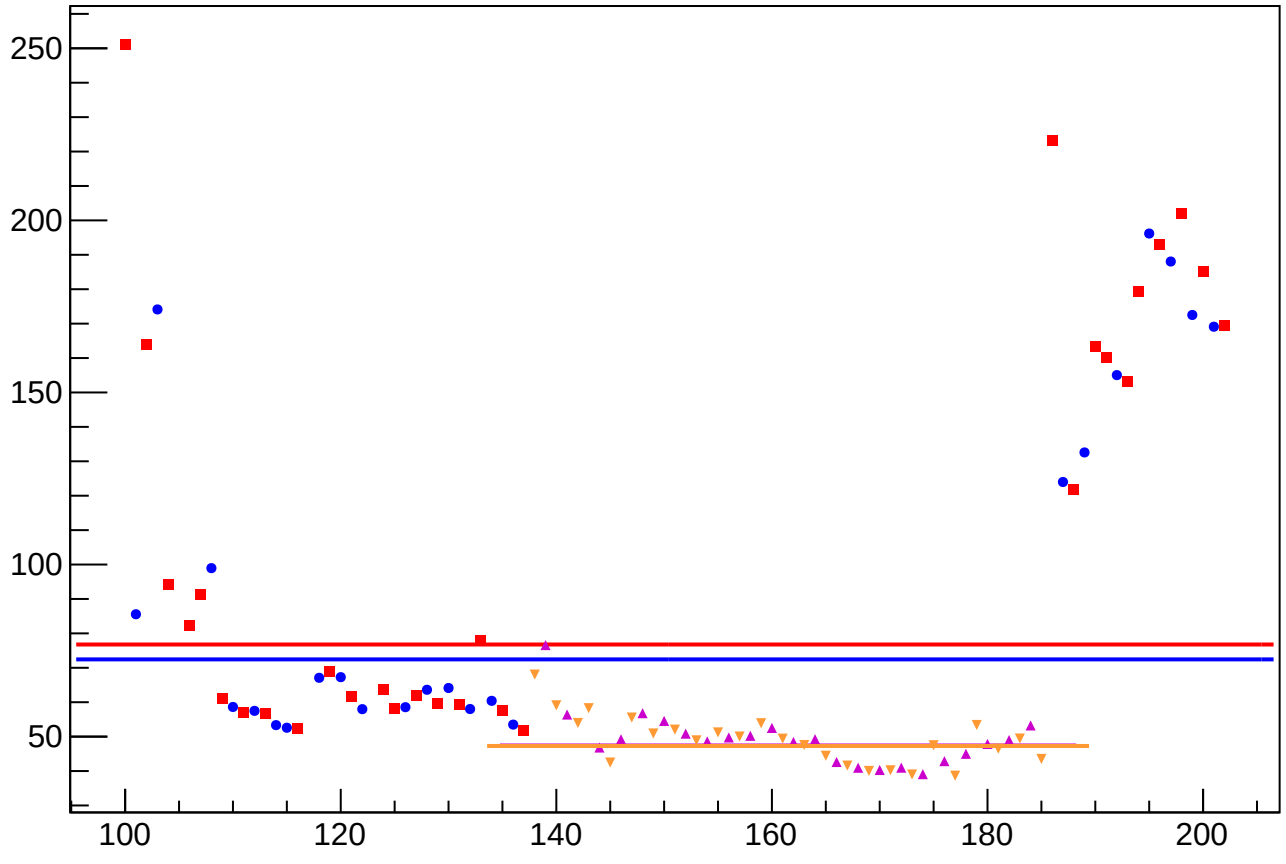
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 47.618+/-16.177 χ^2/NDF: 61.9/51

In: -4.066+/-10.082 χ^2/NDF:47.4/45

Out: -10.413+/-9.822 χ^2/NDF:96.7/53

All: -7.322+/-7.035 χ^2/NDF: 144.3/99



Right In: 72.442+/-0.016 χ^2/NDF: 4343285.5/22

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 76.767+/-0.016 χ^2/NDF: 5645067.9/28

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

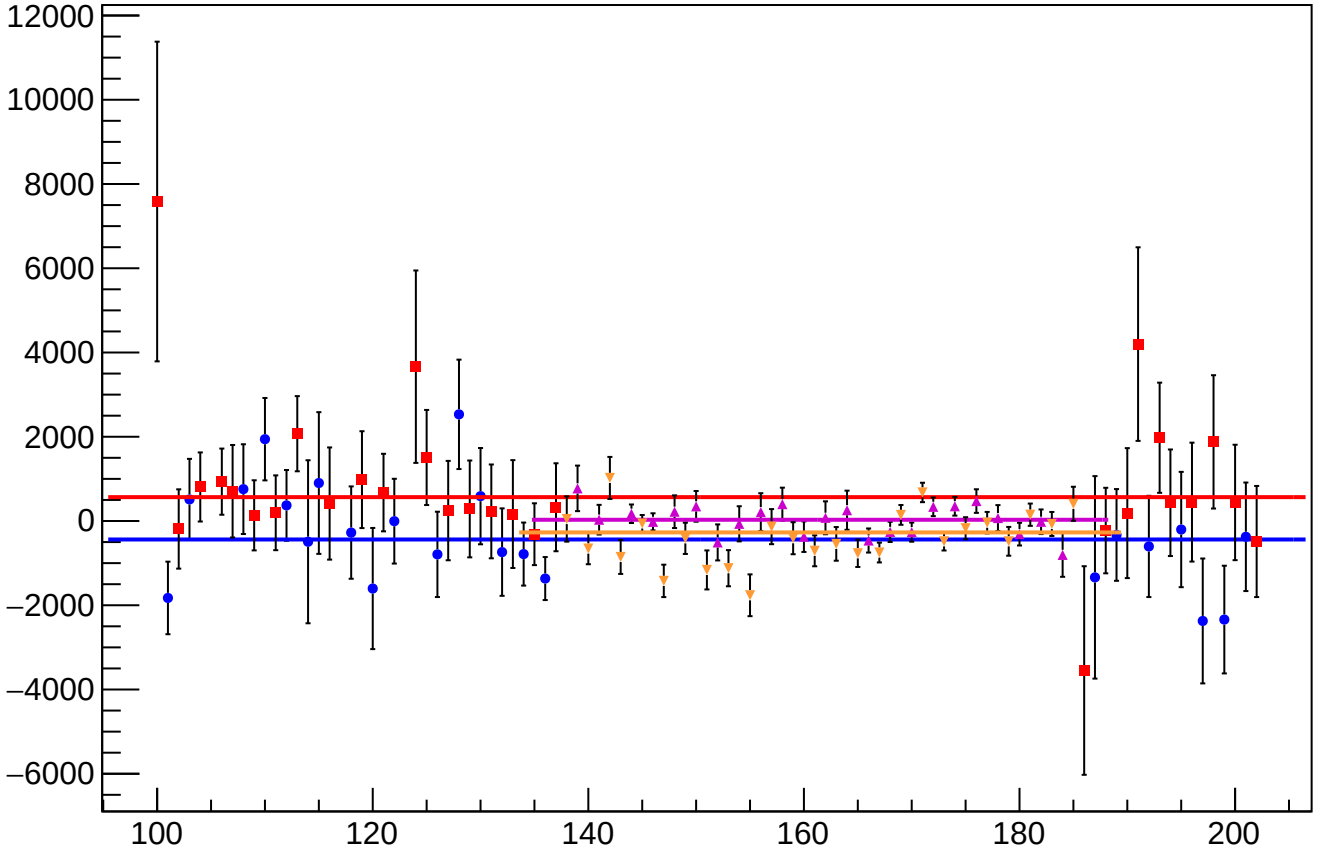
Right: 74.626+/-0.011 χ^2/NDF: 10024096.6/51

In: 52.235+/-0.007 χ^2/NDF:6911530.0/45

Out: 52.772+/-0.007 χ^2/NDF:9092715.4/53

All: 52.511+/-0.005 χ^2/NDF: 16007157.5/99

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -438.668+/-215.690 χ^2/NDF: 27.1/22

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 566.477+/-207.559 χ^2/NDF: 20.6/28

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

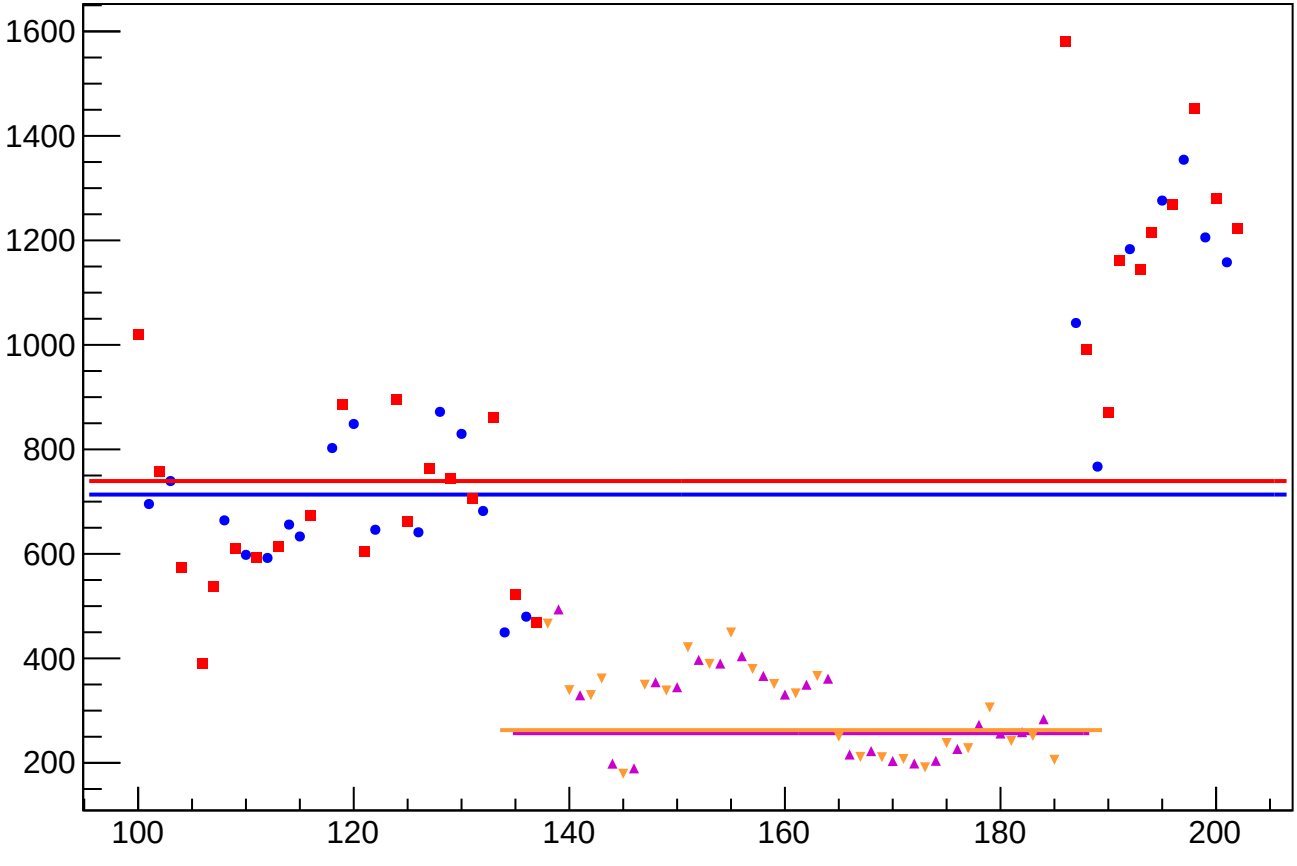
Right: 83.207+/-149.558 χ^2/NDF: 59.0/51

In: -7.222+/-60.182 χ^2/NDF:55.8/45

Out: -201.715+/-59.710 χ^2/NDF:109.5/53

All: -105.234+/-42.387 χ^2/NDF: 170.5/99

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 713.516+/-0.153 χ^2/NDF: 2446655.7/22

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 739.402+/-0.147 χ^2/NDF: 3303034.9/28

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

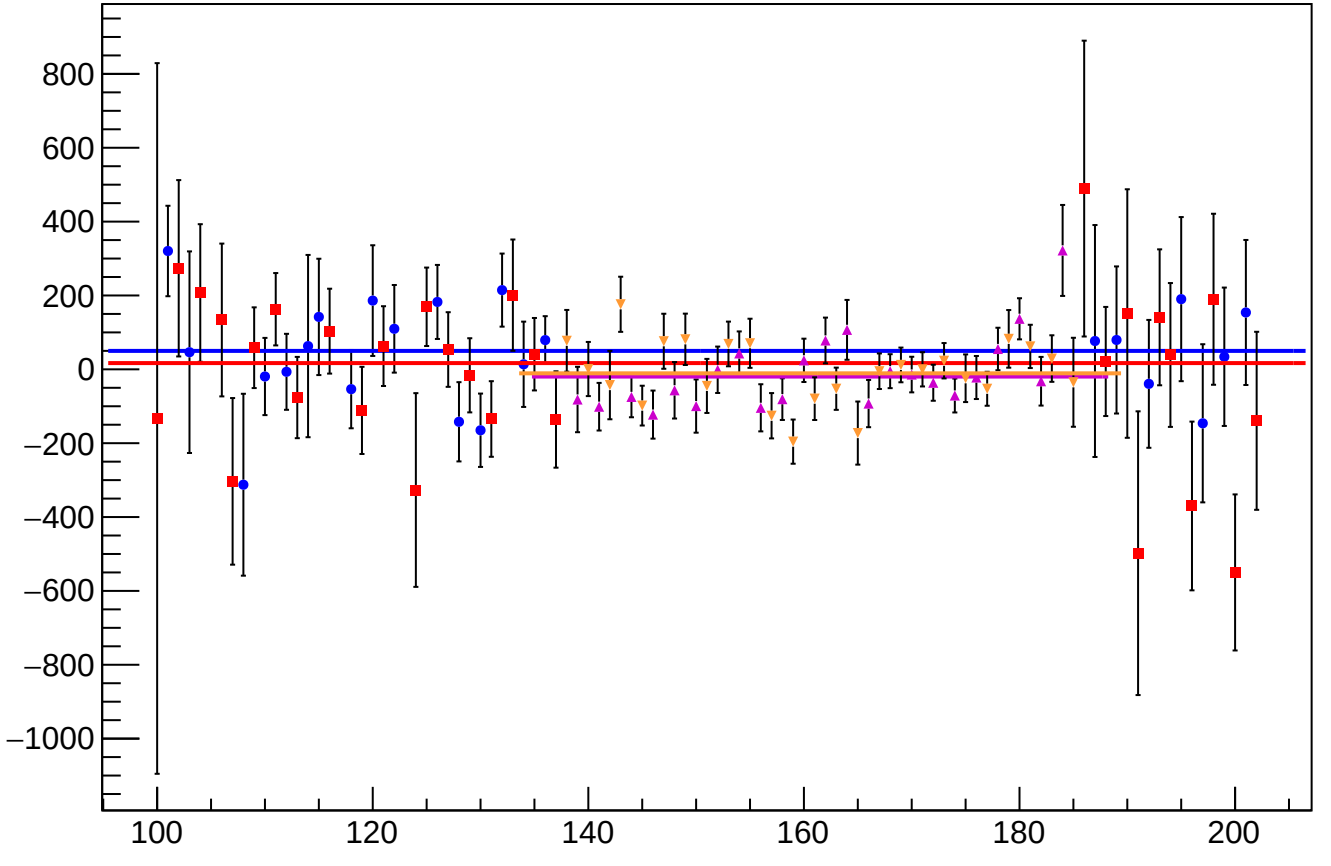
Right: 726.956+/-0.106 χ^2/NDF: 5764648.0/51

In: 292.395+/-0.043 χ^2/NDF:13353522.8/45

Out: 302.132+/-0.042 χ^2/NDF:15873804.2/53

All: 297.302+/-0.030 χ^2/NDF: 29253708.7/99

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 49.917+/-26.609 χ^2/NDF: 24.7/22

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 16.922+/-26.750 χ^2/NDF: 33.5/28

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

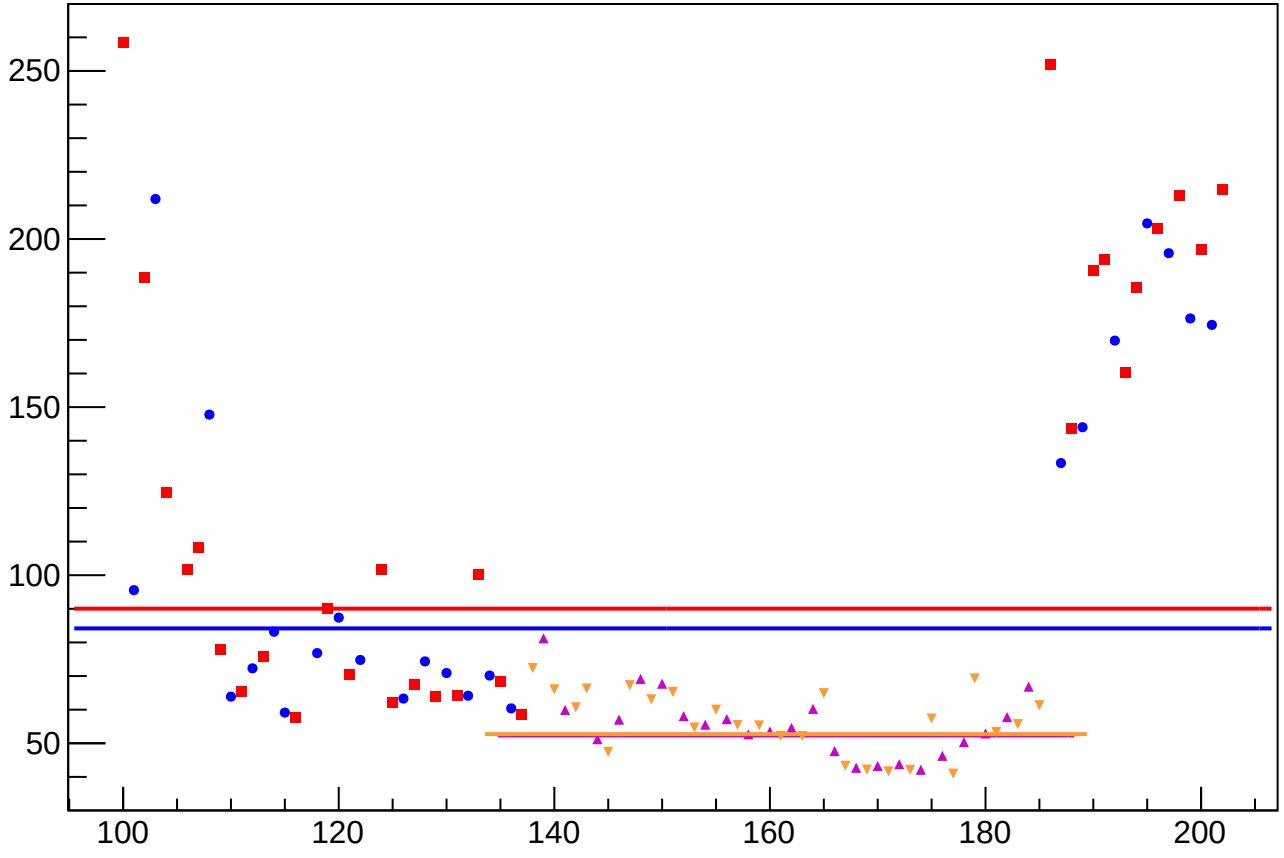
Right: 33.507+/-18.865 χ^2/NDF: 59.0/51

In: -6.955+/-11.348 χ^2/NDF:67.0/45

Out: -5.977+/-11.180 χ^2/NDF:74.8/53

All: -6.458+/-7.964 χ^2/NDF: 141.9/99

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 84.171+/-0.019 χ^2/NDF: 4042707.8/22

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 90.043+/-0.019 χ^2/NDF: 5418721.9/28

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

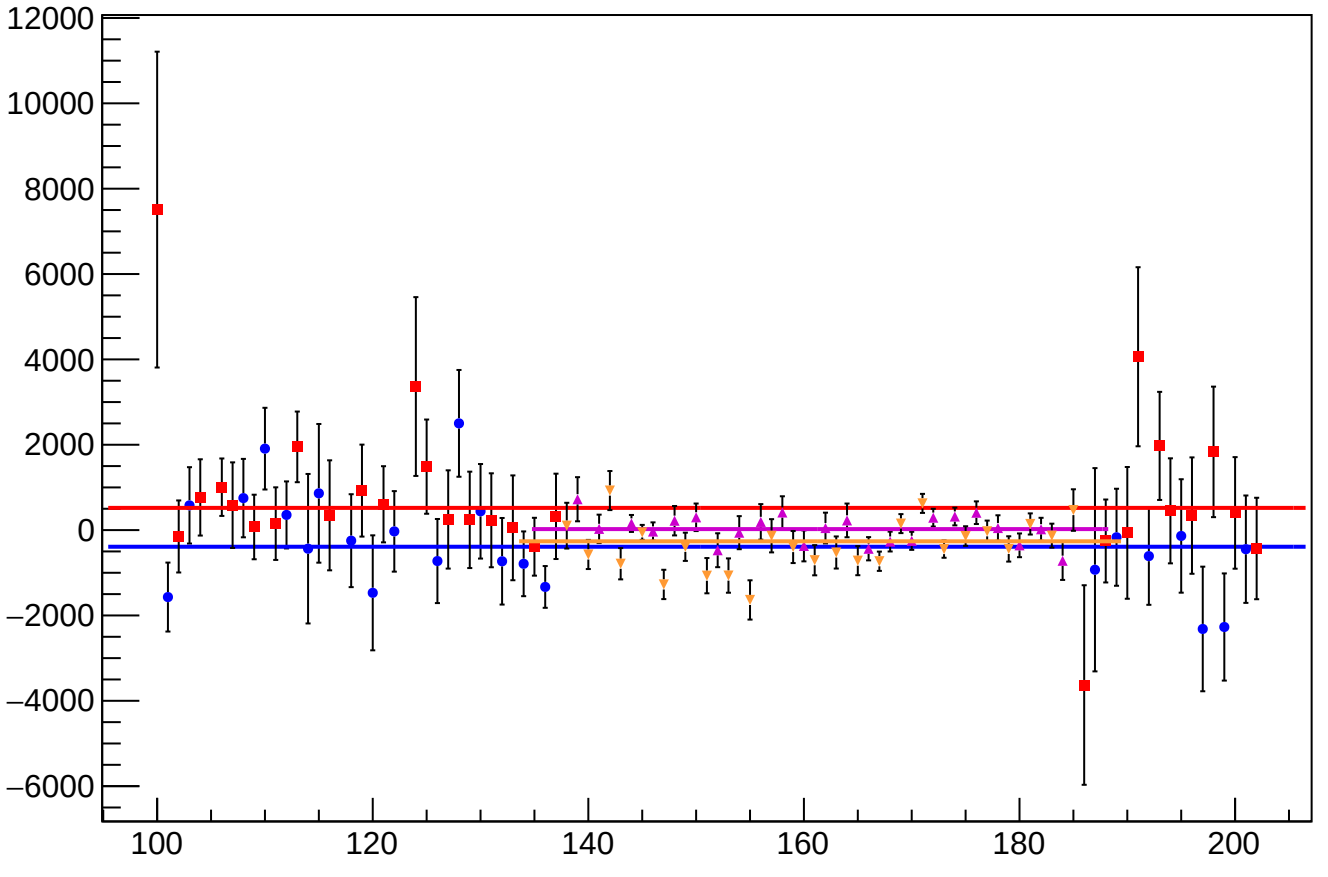
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 87.091+/-0.013 χ^2/NDF: 9509877.4/51

In: 58.108+/-0.008 χ^2/NDF:7279912.6/45

Out: 59.248+/-0.008 χ^2/NDF:9797359.9/53

All: 58.686+/-0.006 χ^2/NDF: 17087522.6/99



Right In: -390.009+/-207.209 χ^2/NDF: 27.2/22

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 520.539+/-196.407 χ^2/NDF: 22.8/28

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

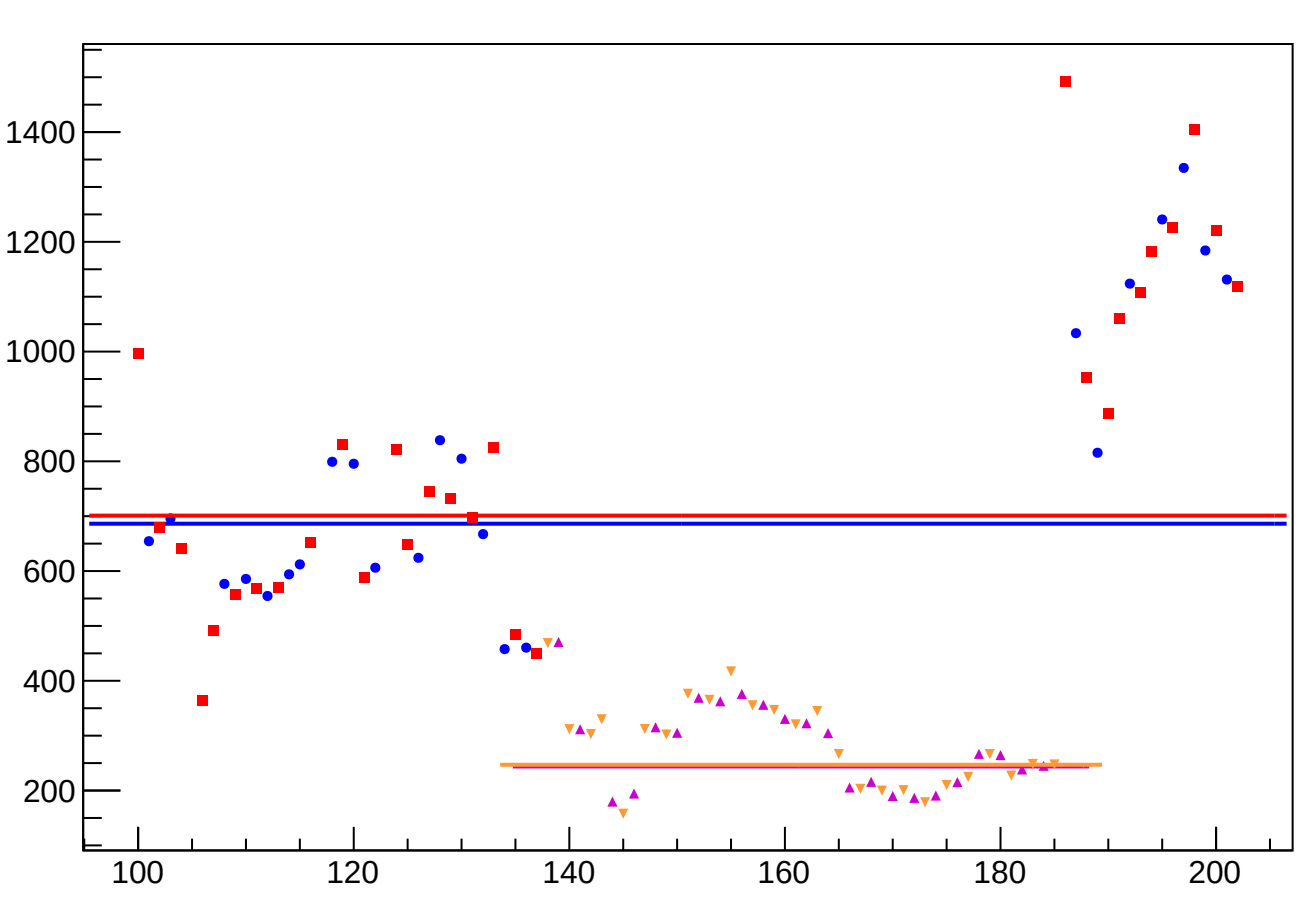
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 89.616+/-142.546 χ^2/NDF: 60.1/51

In: -7.926+/-57.097 χ^2/NDF:55.0/45

Out: -198.766+/-56.067 χ^2/NDF:109.6/53

All: -105.084+/-40.004 χ^2/NDF: 170.3/99



Right In: 686.273+/-0.147 χ^2/NDF: 2507523.2/22

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 701.014+/-0.139 χ^2/NDF: 3462904.1/28

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

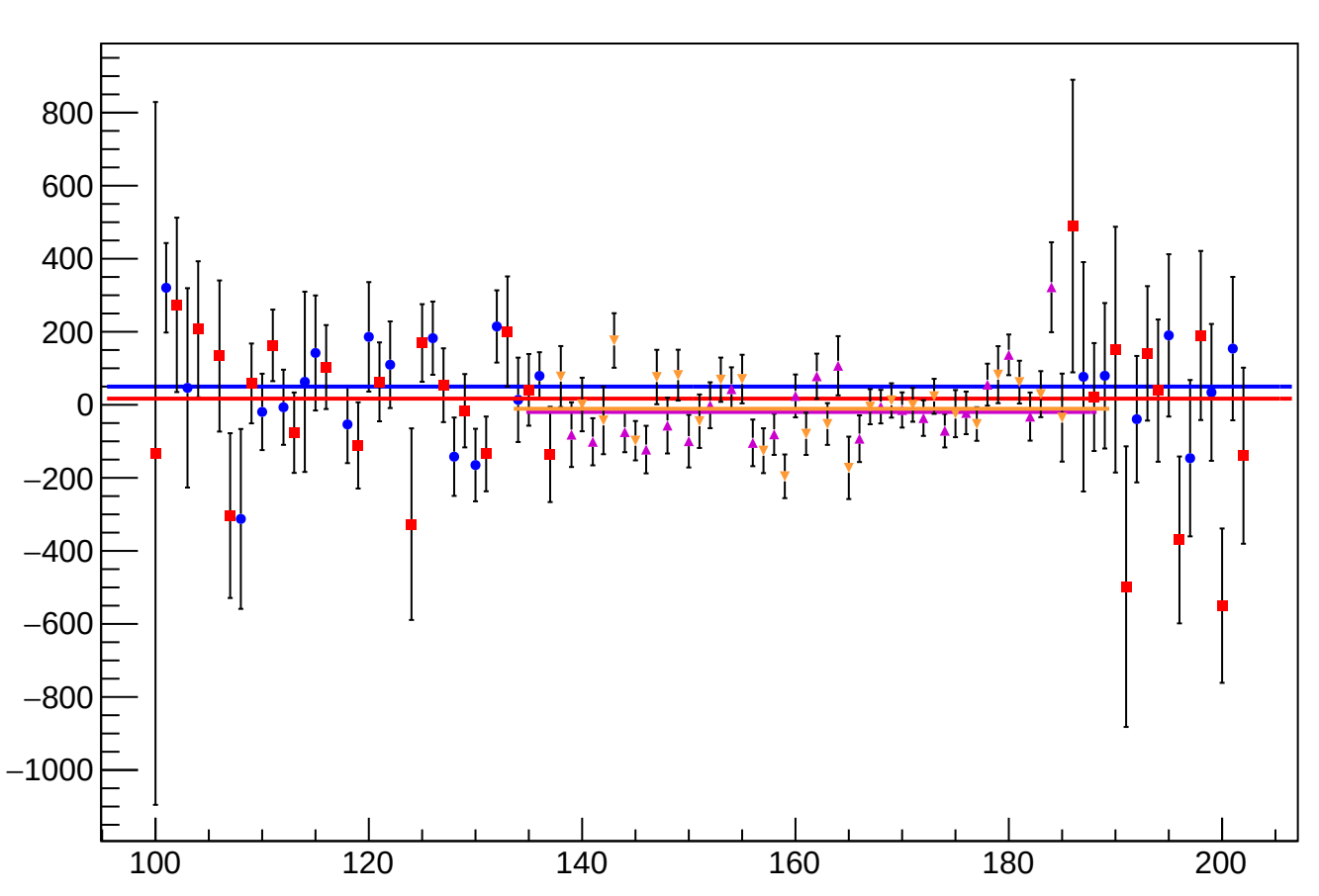
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 694.037+/-0.101 χ^2/NDF: 5975758.7/51

In: 277.420+/-0.040 χ^2/NDF:13424498.3/45

Out: 283.993+/-0.040 χ^2/NDF:16204882.5/53

All: 280.766+/-0.028 χ^2/NDF: 29642872.6/99



Right In: 49.916+/-26.609 χ^2/NDF: 24.7/22

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 16.921+/-26.750 χ^2/NDF: 33.5/28

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

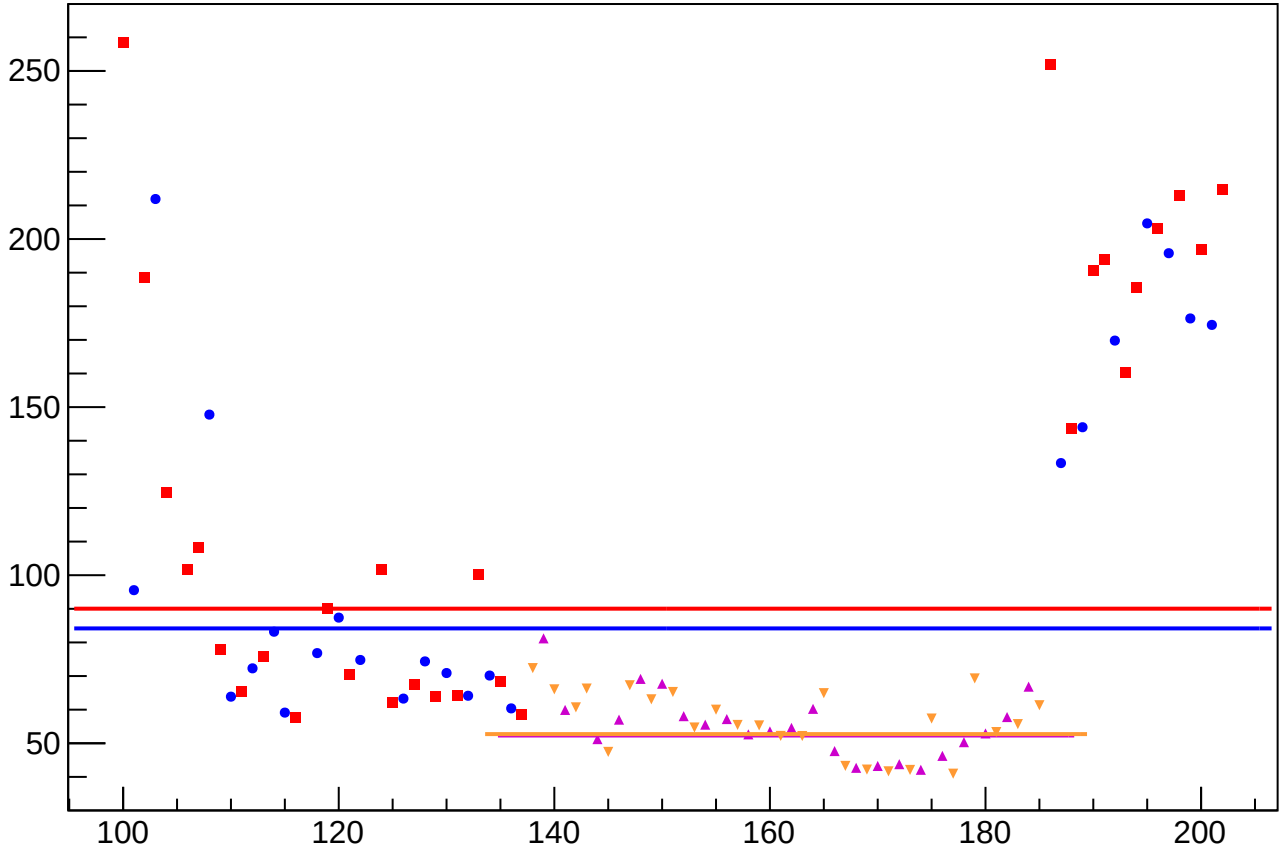
Right: 33.506+/-18.865 χ^2/NDF: 59.0/51

In: -6.955+/-11.348 χ^2/NDF:67.0/45

Out: -5.976+/-11.180 χ^2/NDF:74.8/53

All: -6.458+/-7.964 χ^2/NDF: 141.9/99

eigen_dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 84.170+/-0.019 χ^2/NDF: 4042728.9/22

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 90.043+/-0.019 χ^2/NDF: 5418721.5/28

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

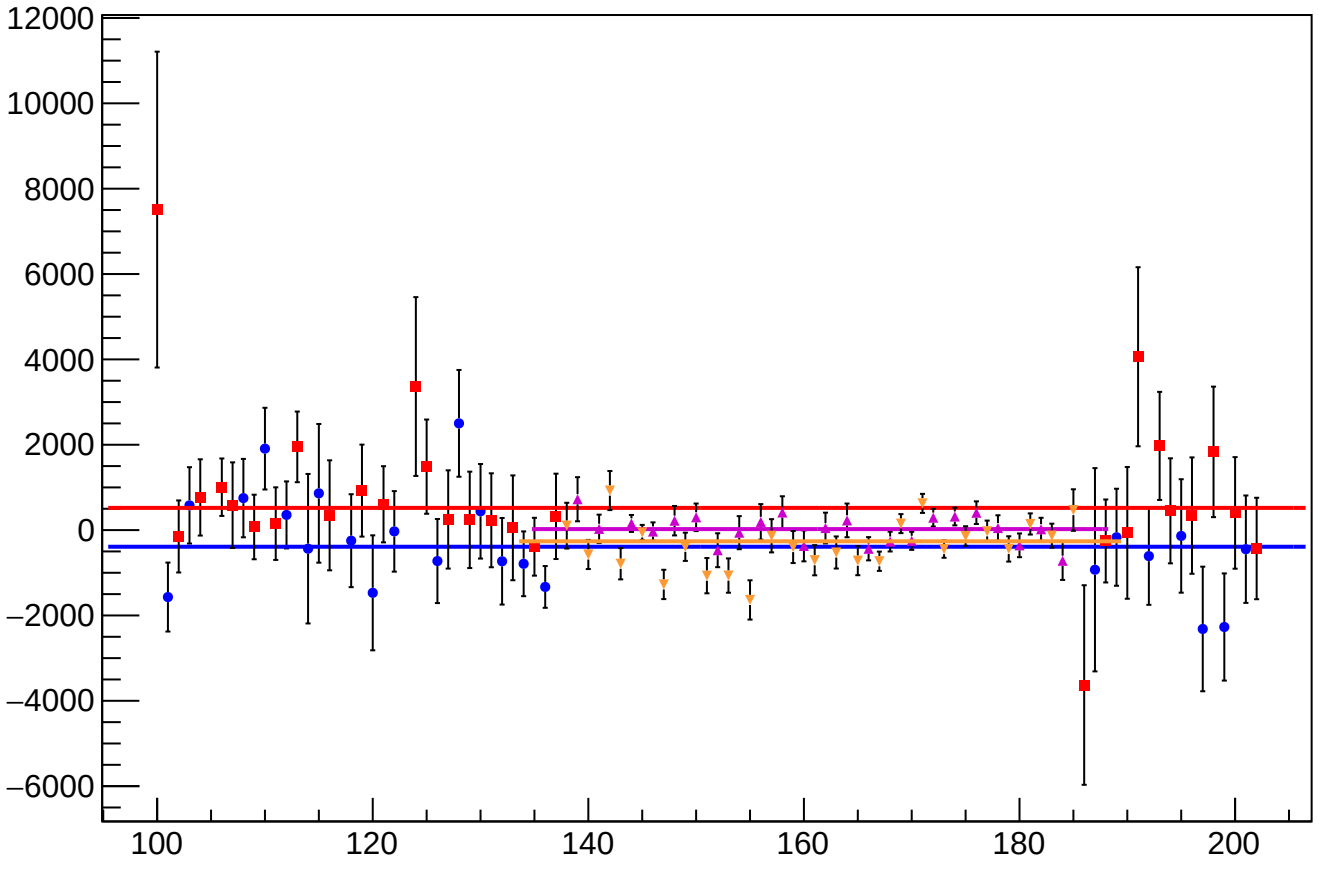
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 87.091+/-0.013 χ^2/NDF: 9509899.5/51

In: 58.108+/-0.008 χ^2/NDF:7279913.6/45

Out: 59.248+/-0.008 χ^2/NDF:9797363.7/53

All: 58.686+/-0.006 χ^2/NDF: 17087527.8/99



Right In: -390.009+/-207.209 χ^2/NDF: 27.2/22

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 520.539+/-196.407 χ^2/NDF: 22.8/28

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

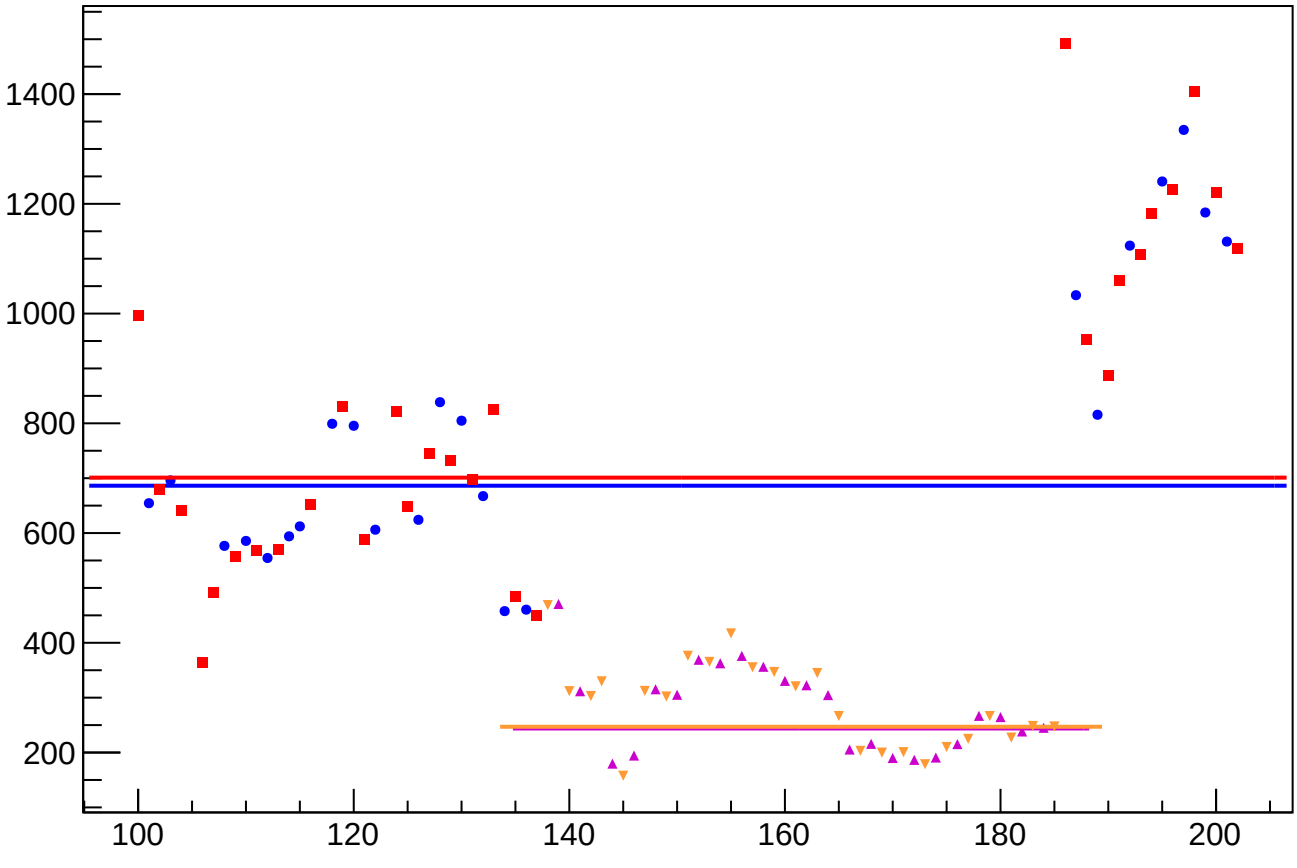
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 89.616+/-142.546 χ^2/NDF: 60.1/51

In: -7.926+/-57.097 χ^2/NDF:55.0/45

Out: -198.767+/-56.067 χ^2/NDF:109.6/53

All: -105.084+/-40.004 χ^2/NDF: 170.3/99



Right In: 686.273+/-0.147 χ^2/NDF: 2507511.6/22

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 701.013+/-0.139 χ^2/NDF: 3462898.9/28

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

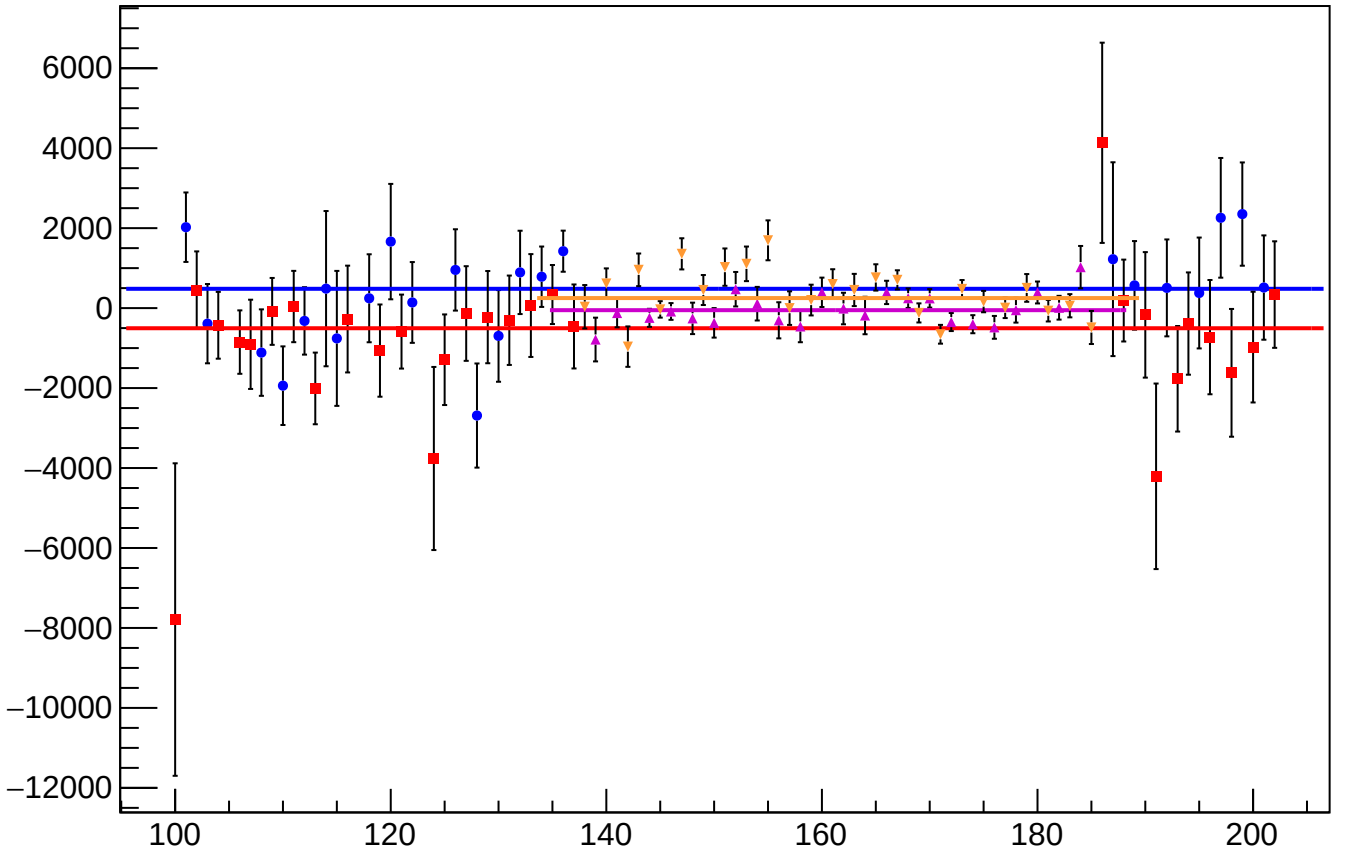
Right: 694.037+/-0.101 χ^2/NDF: 5975741.5/51

In: 277.420+/-0.040 χ^2/NDF:13424496.7/45

Out: 283.992+/-0.040 χ^2/NDF:16204864.6/53

All: 280.766+/-0.028 χ^2/NDF: 29642853.7/99

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 482.936+/-217.513 χ^2/NDF: 28.9/22

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -503.542+/-209.396 χ^2/NDF: 21.1/28

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

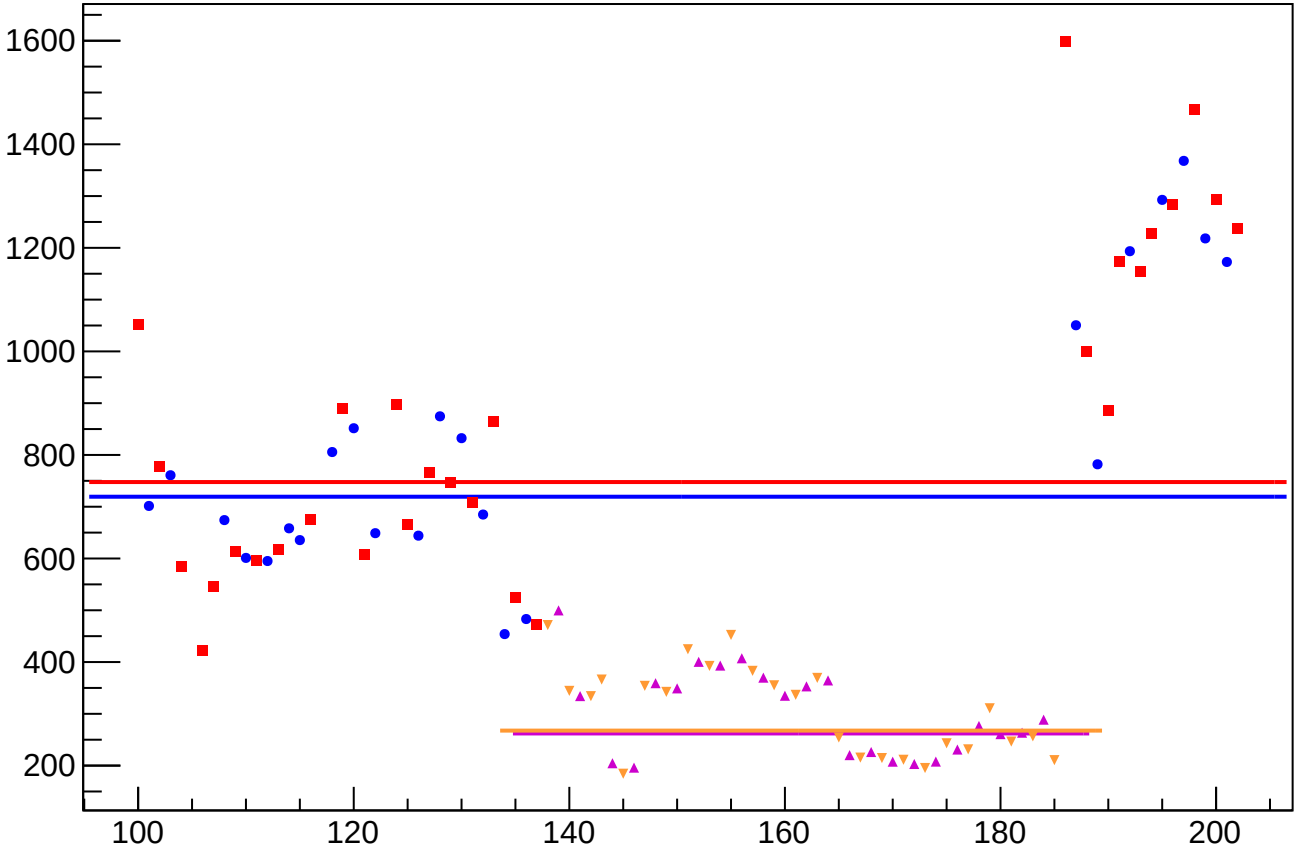
Right: -29.052+/-150.853 χ^2/NDF: 60.7/51

In: -9.300+/-61.259 χ^2/NDF:61.3/45

Out: 187.695+/-60.700 χ^2/NDF:100.6/53

All: 90.099+/-43.118 χ^2/NDF: 167.1/99

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 719.321+/-0.154 χ^2/NDF: 2463507.0/22

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 747.651+/-0.148 χ^2/NDF: 3257956.3/28

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

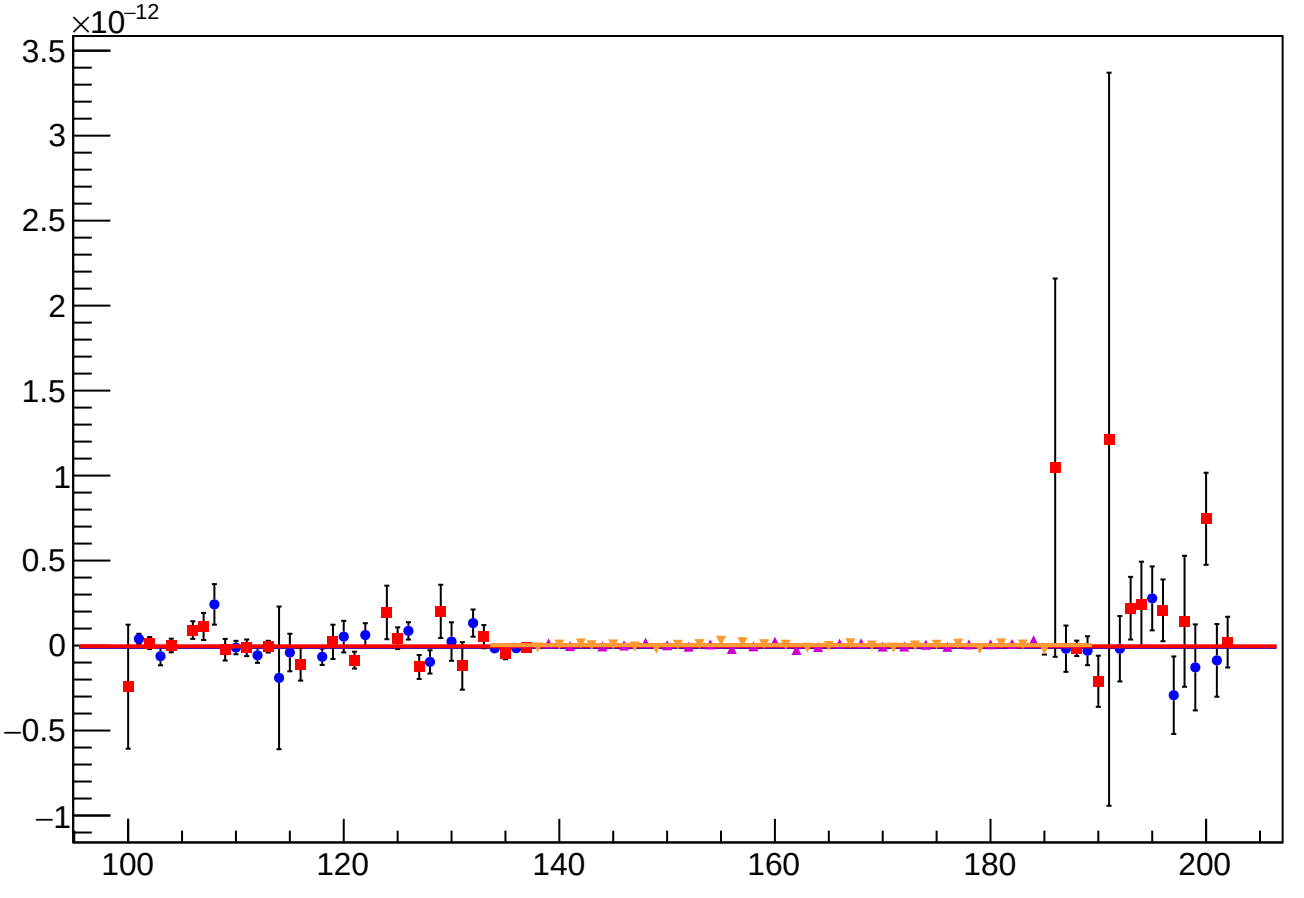
Right: 734.025+/-0.107 χ^2/NDF: 5739072.0/51

In: 298.359+/-0.043 χ^2/NDF:13137465.8/45

Out: 307.930+/-0.043 χ^2/NDF:15688126.7/53

All: 303.188+/-0.030 χ^2/NDF: 28850227.2/99

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/28

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

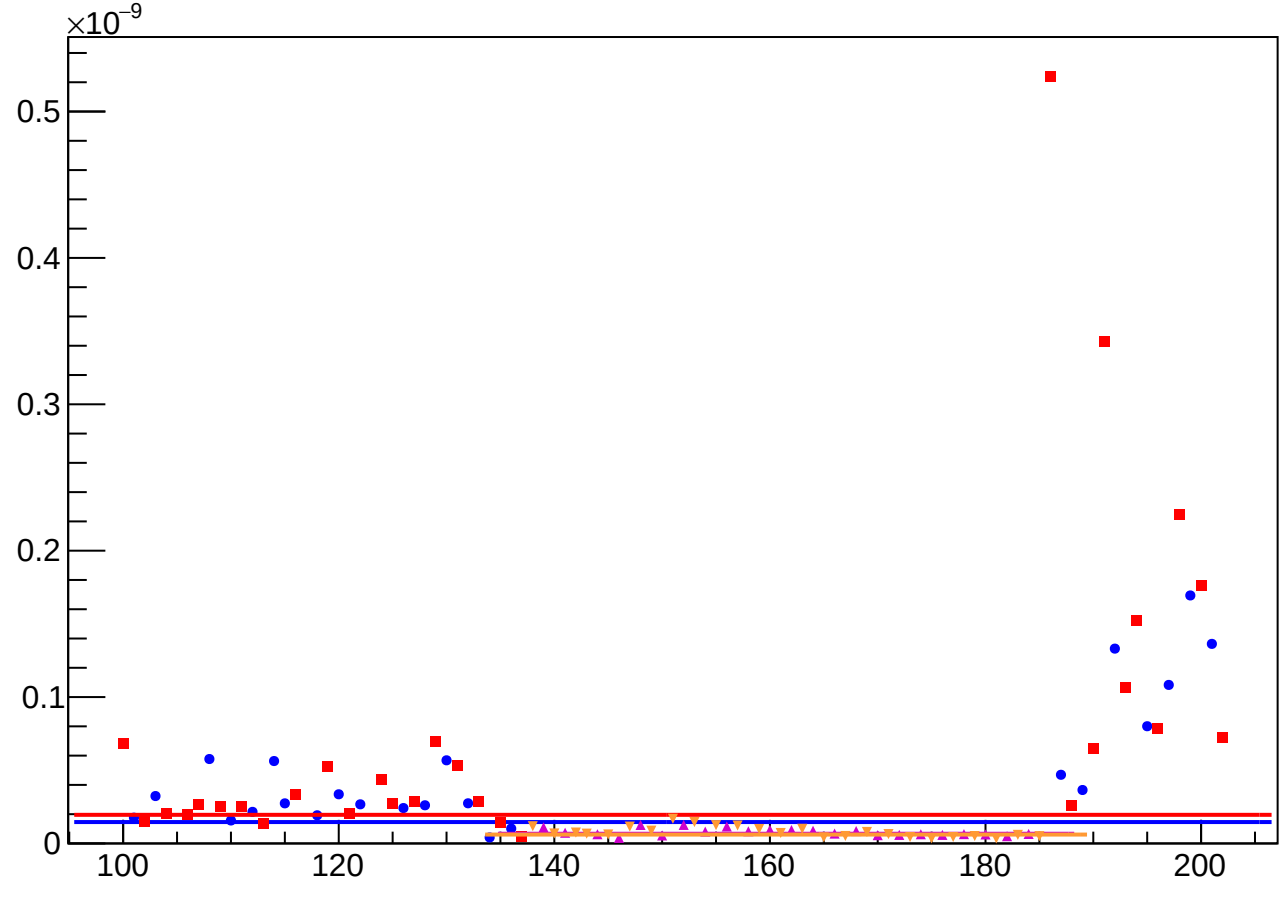
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 60.2/51

In: 0.000+/-0.000 χ^2/NDF:38.5/45

Out: 0.000+/-0.000 χ^2/NDF:50.4/53

All: 0.000+/-0.000 χ^2/NDF: 89.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 5111250.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5122747.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

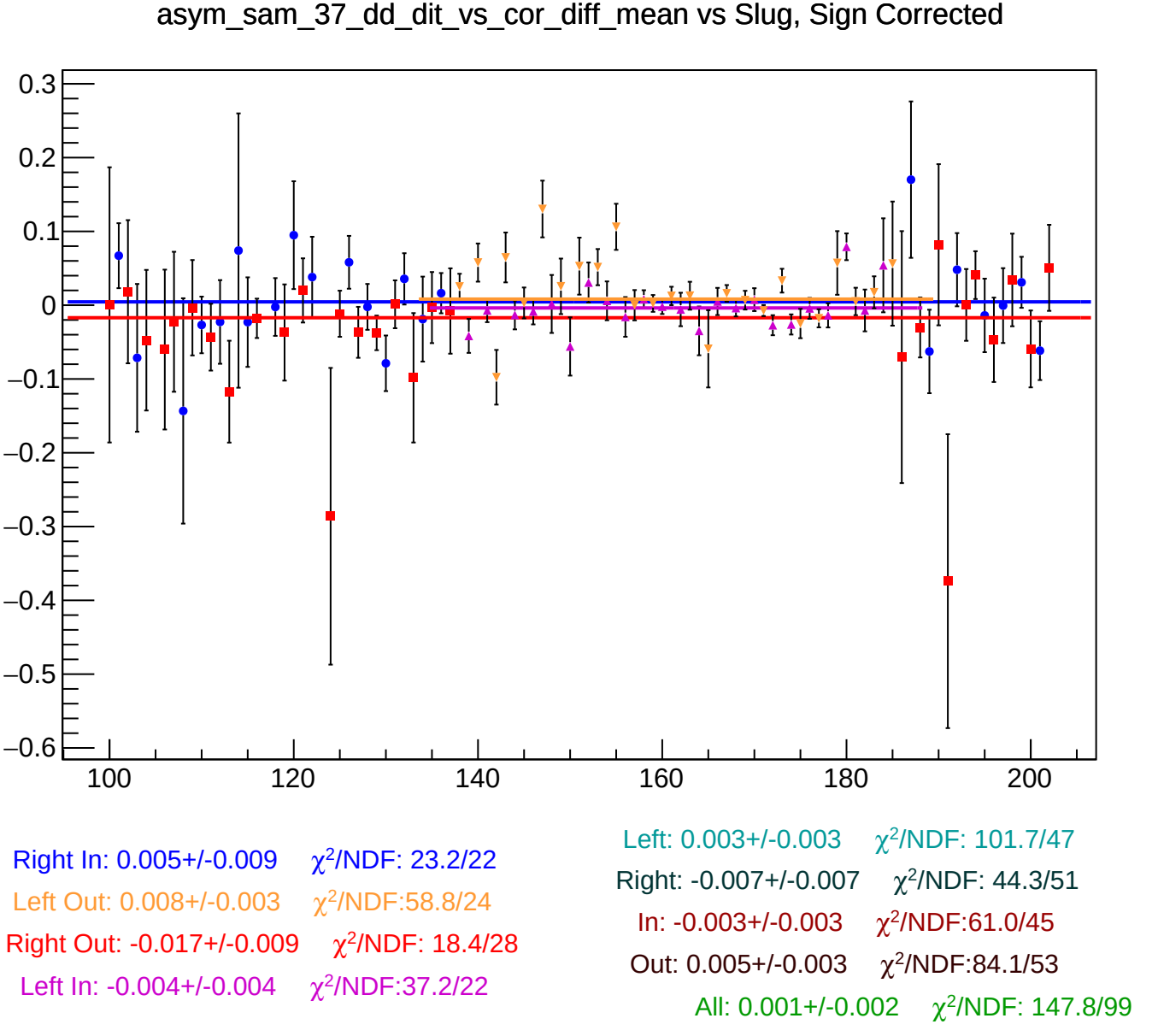
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

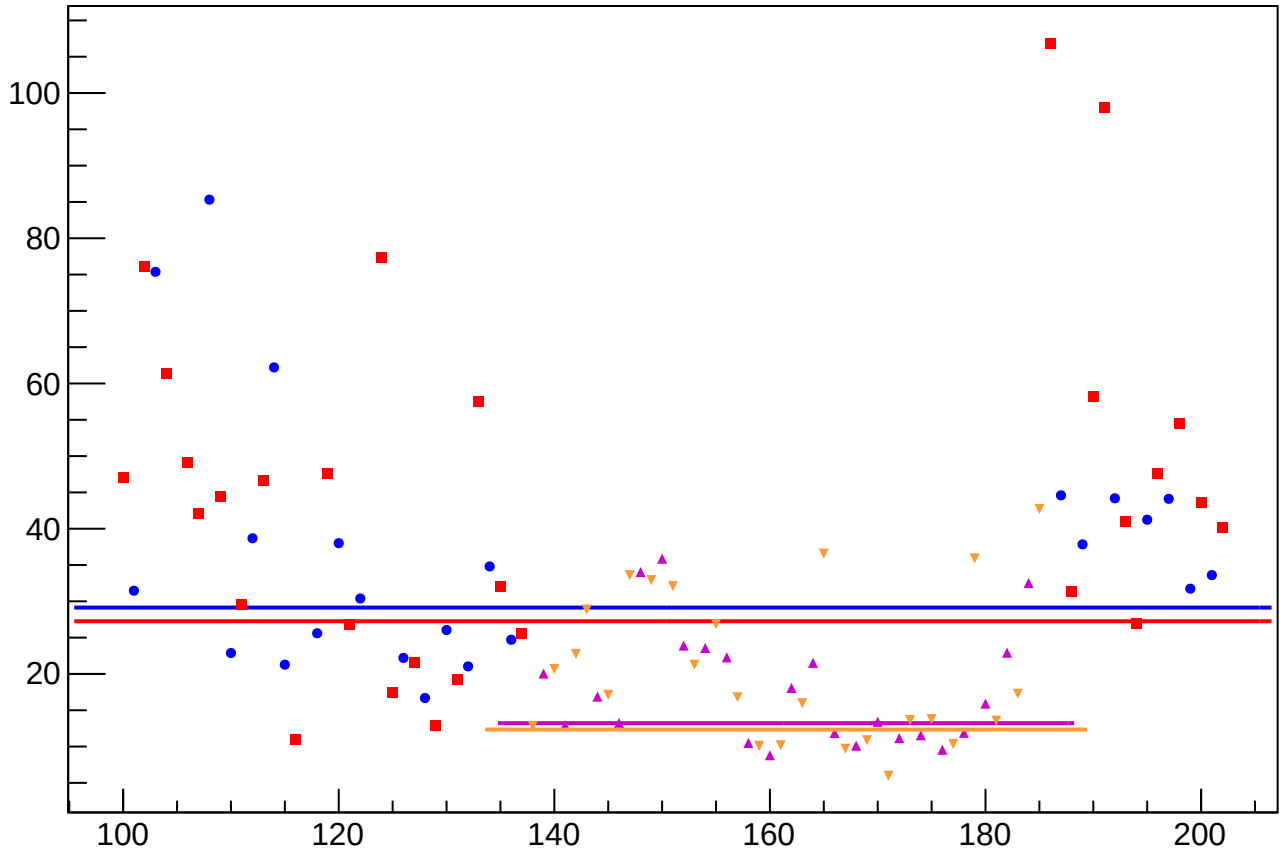
Right: 0.000+/-0.000 χ^2/NDF: 10469027.6/51

In: 0.000+/-0.000 χ^2/NDF:7664675.3/45

Out: 0.000+/-0.000 χ^2/NDF:10373110.1/53

All: 0.000+/-0.000 χ^2/NDF: 18084395.1/99


asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
120
140
160
180
200
Right In: 0.005+/-0.009 χ²/NDF: 23.2/22
Left Out: 0.008+/-0.003 χ²/NDF:58.8/24
Right Out: -0.017+/-0.009 χ²/NDF: 18.4/28
Left In: -0.004+/-0.004 χ²/NDF:37.2/22
Left: 0.003+/-0.003 χ²/NDF: 101.7/47
Right: -0.007+/-0.007 χ²/NDF: 44.3/51
In: -0.003+/-0.003 χ²/NDF:61.0/45
Out: 0.005+/-0.003 χ²/NDF:84.1/53
All: 0.001+/-0.002 χ²/NDF: 147.8/99



Right In: 29.141+/-0.007 χ^2/NDF: 2149892.0/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.259+/-0.006 χ^2/NDF: 5628348.7/28

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

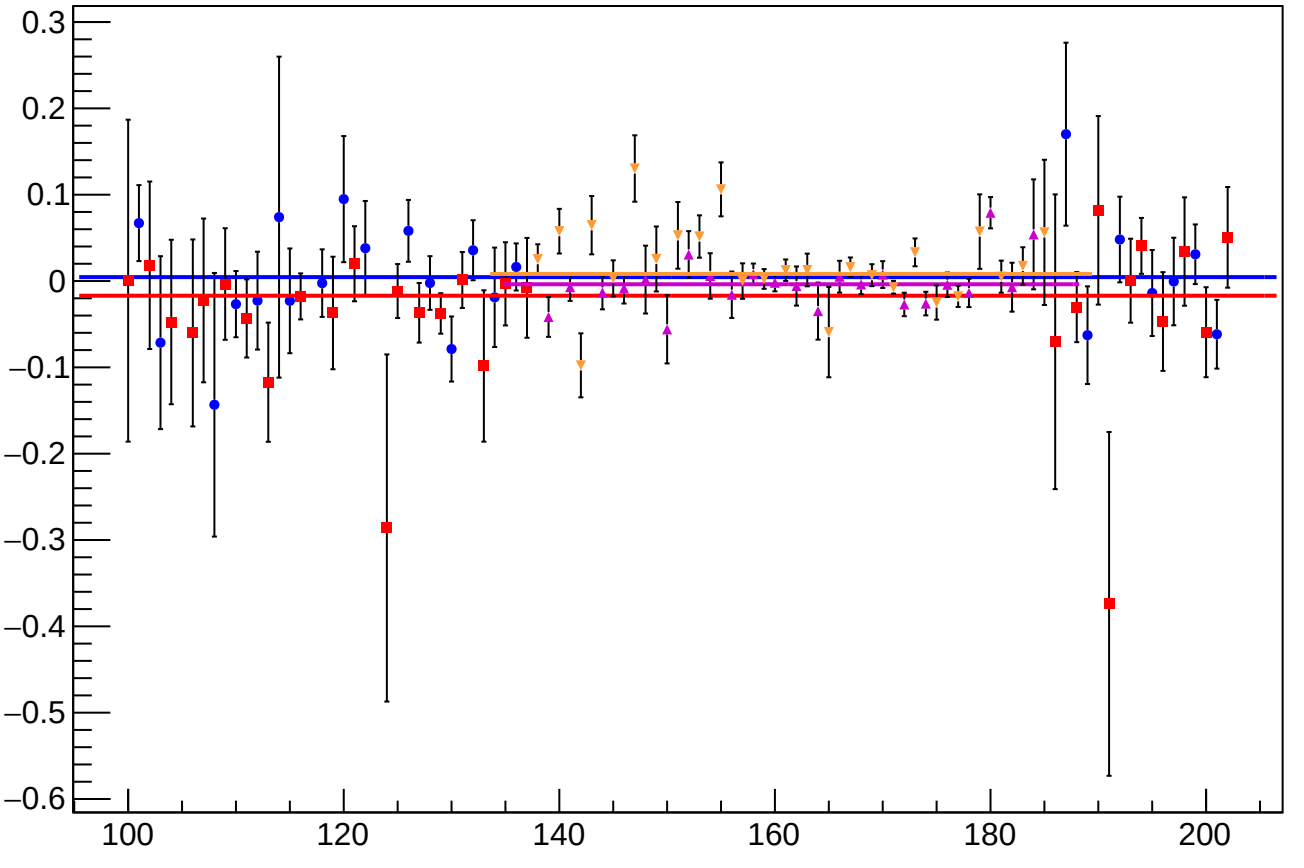
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.151+/-0.005 χ^2/NDF: 7819911.7/51

In: 15.273+/-0.002 χ^2/NDF:10957342.1/45

Out: 14.267+/-0.002 χ^2/NDF:17184104.6/53

All: 14.744+/-0.002 χ^2/NDF: 28233795.2/99



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

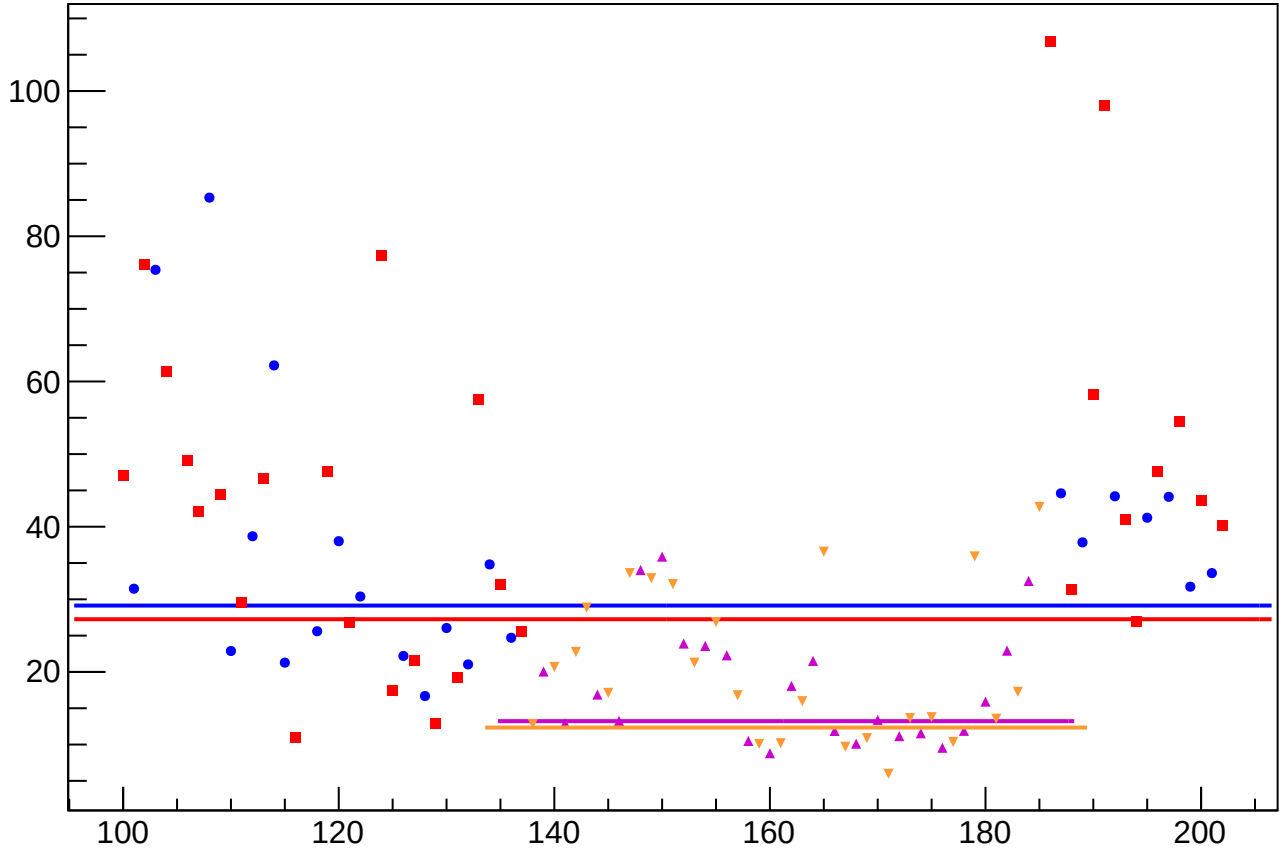
Right: -0.007+/-0.007 χ^2/NDF: 44.3/51

In: -0.003+/-0.003 χ^2/NDF:61.0/45

Out: 0.005+/-0.003 χ^2/NDF:84.1/53

All: 0.001+/-0.002 χ^2/NDF: 147.8/99

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.141+/-0.007 χ^2/NDF: 2149892.0/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.259+/-0.006 χ^2/NDF: 5628348.7/28

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

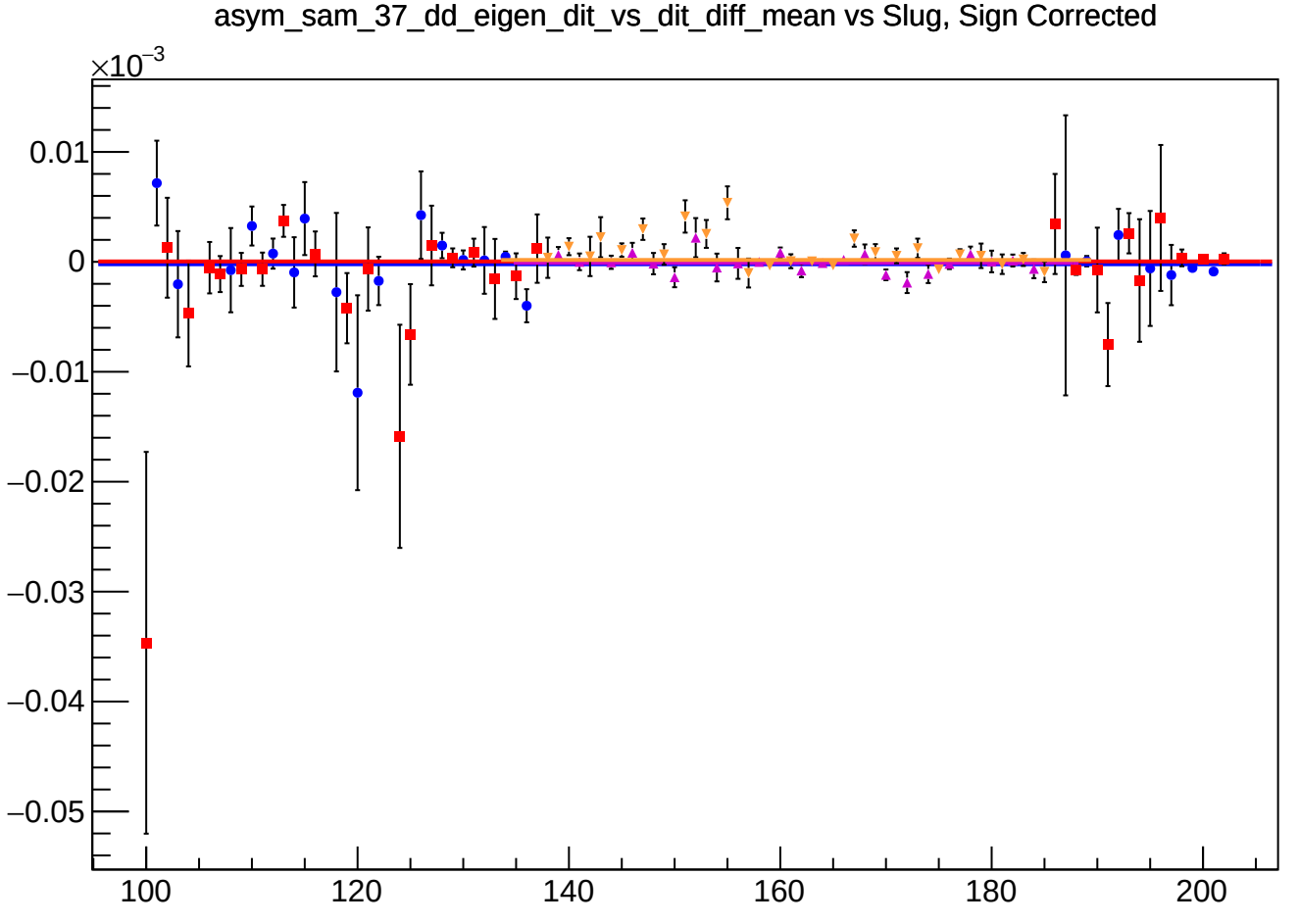
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.151+/-0.005 χ^2/NDF: 7819911.7/51

In: 15.273+/-0.002 χ^2/NDF:10957342.1/45

Out: 14.267+/-0.002 χ^2/NDF:17184104.6/53

All: 14.744+/-0.002 χ^2/NDF: 28233795.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/28

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

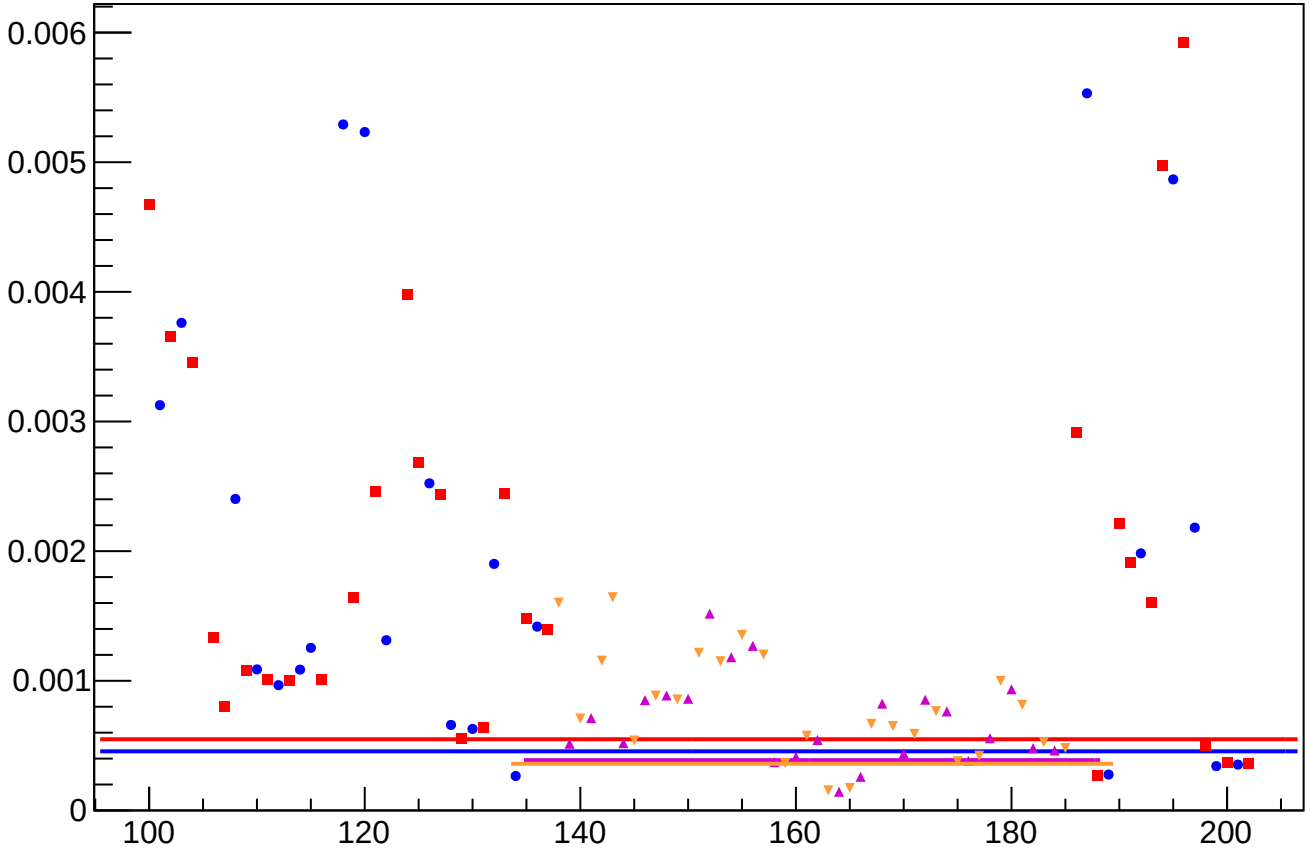
Right: -0.000+/-0.000 χ^2/NDF: 61.1/51

In: -0.000+/-0.000 χ^2/NDF:54.3/45

Out: 0.000+/-0.000 χ^2/NDF:92.6/53

All: 0.000+/-0.000 χ^2/NDF: 150.8/99

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11161623.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11647163.4/28

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

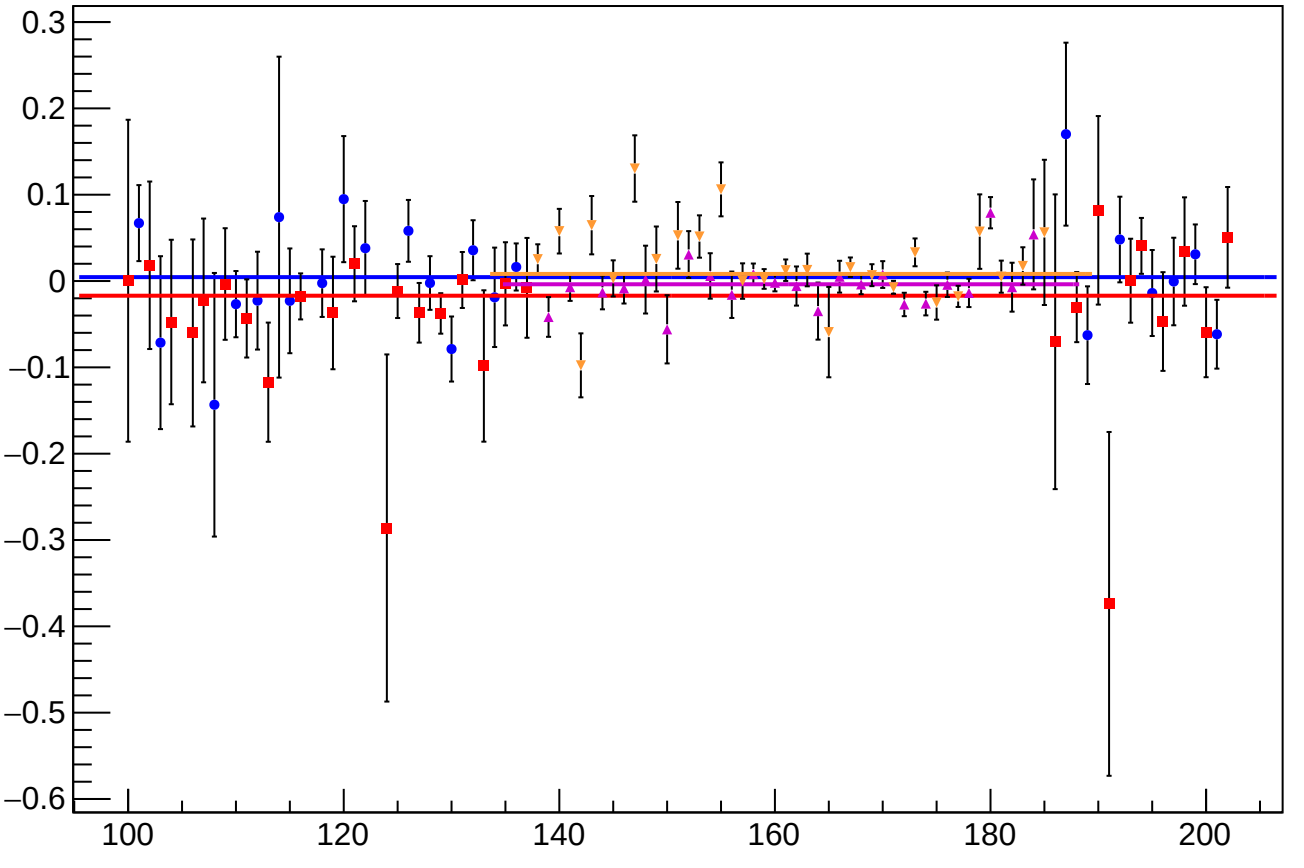
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.000+/-0.000 χ^2/NDF: 23021597.5/51

In: 0.000+/-0.000 χ^2/NDF:21809474.9/45

Out: 0.000+/-0.000 χ^2/NDF:26938184.4/53

All: 0.000+/-0.000 χ^2/NDF: 48755540.9/99



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

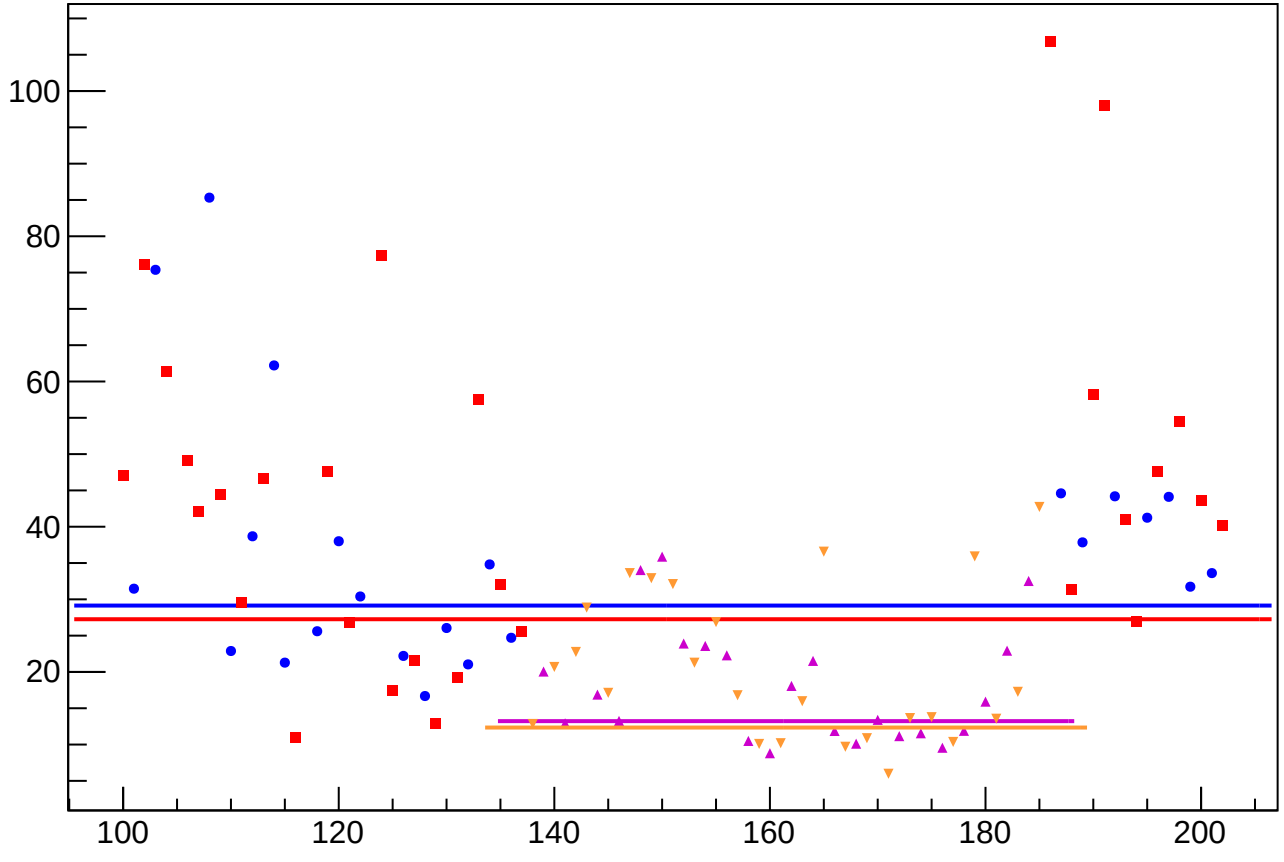
Right: -0.007+/-0.007 χ^2/NDF: 44.3/51

In: -0.003+/-0.003 χ^2/NDF:61.0/45

Out: 0.005+/-0.003 χ^2/NDF:84.1/53

All: 0.001+/-0.002 χ^2/NDF: 147.8/99

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.141+/-0.007 χ^2/NDF: 2149818.2/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.260+/-0.006 χ^2/NDF: 5628028.1/28

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

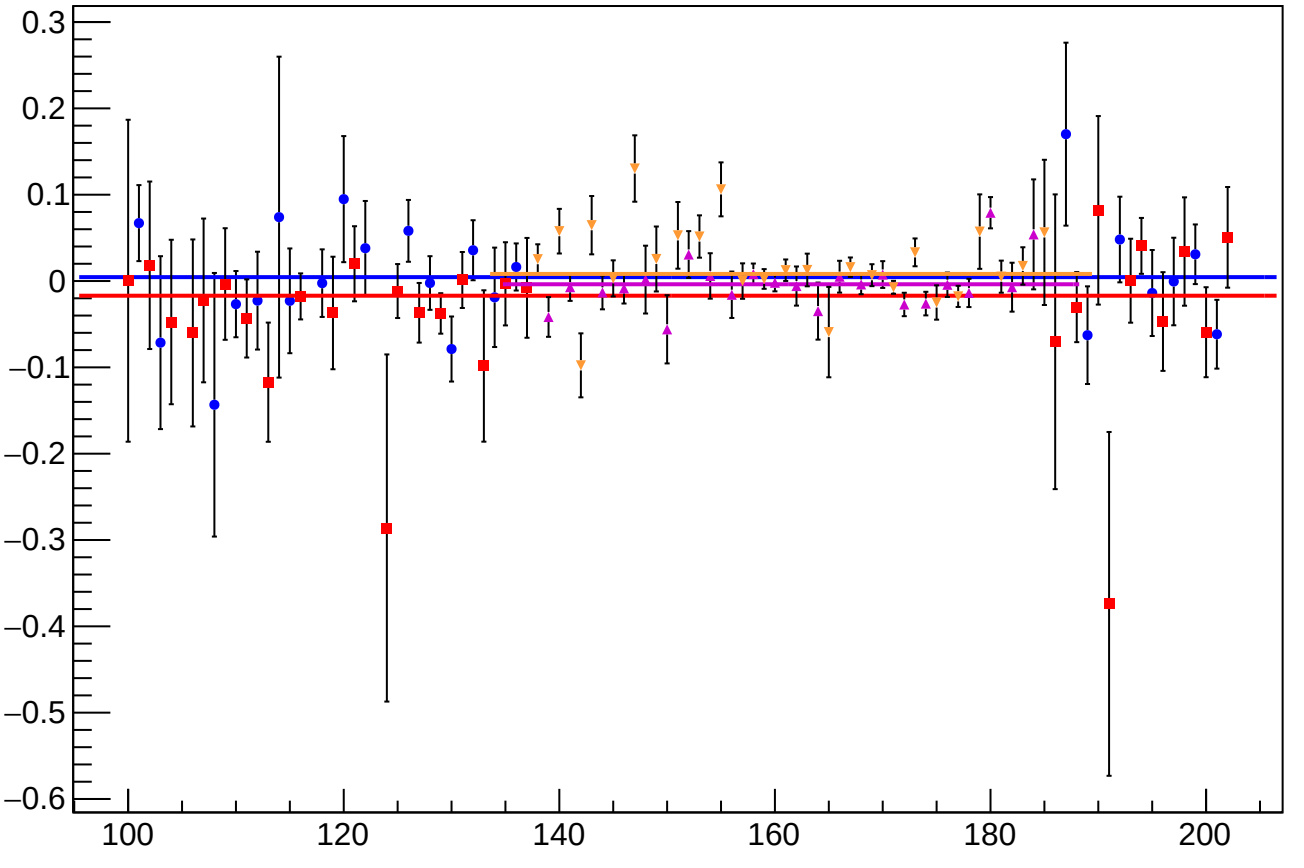
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.151+/-0.005 χ^2/NDF: 7819505.7/51

In: 15.273+/-0.002 χ^2/NDF:10957524.3/45

Out: 14.267+/-0.002 χ^2/NDF:17184210.1/53

All: 14.745+/-0.002 χ^2/NDF: 28234070.6/99



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

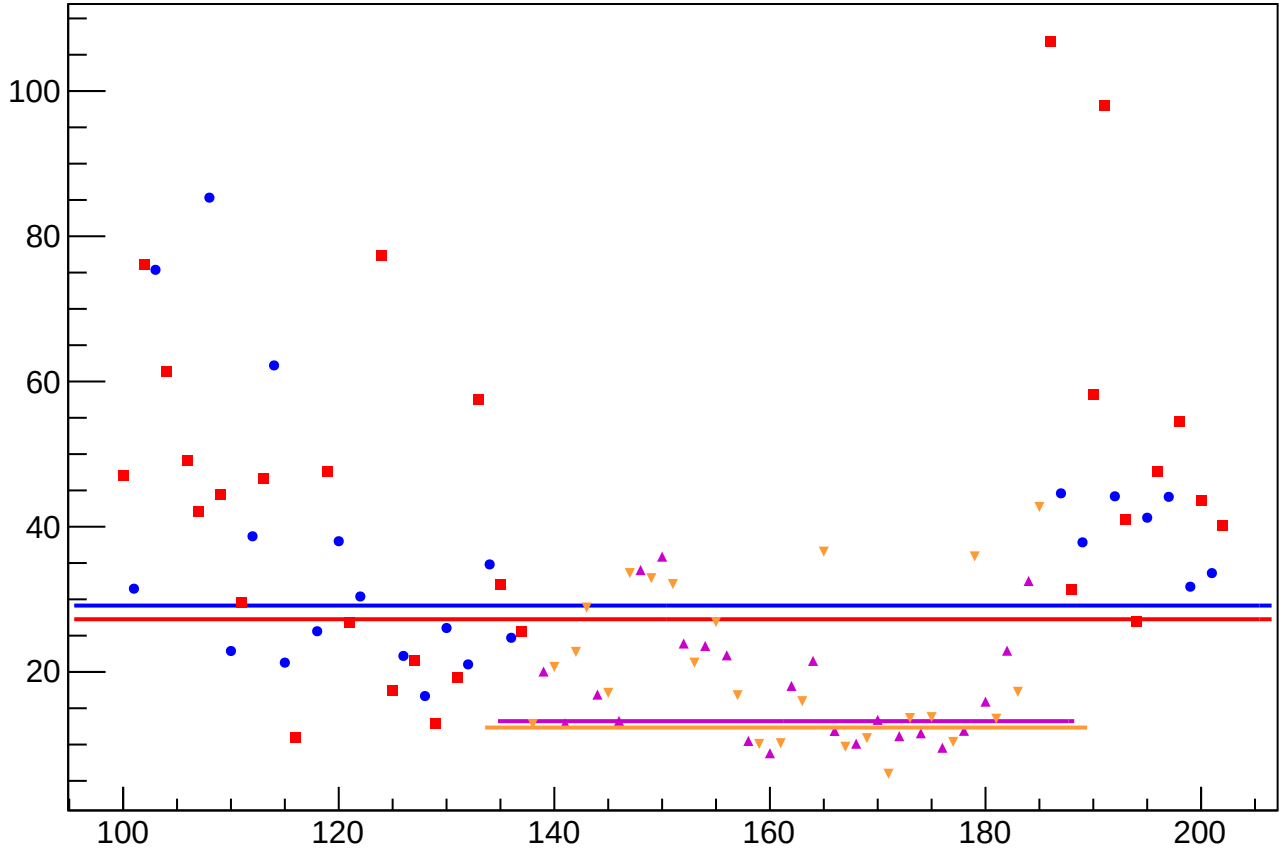
Right: -0.007+/-0.007 χ^2/NDF: 44.3/51

In: -0.003+/-0.003 χ^2/NDF:61.0/45

Out: 0.005+/-0.003 χ^2/NDF:84.1/53

All: 0.001+/-0.002 χ^2/NDF: 147.8/99

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.141+/-0.007 χ^2/NDF: 2149818.2/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.260+/-0.006 χ^2/NDF: 5628028.1/28

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

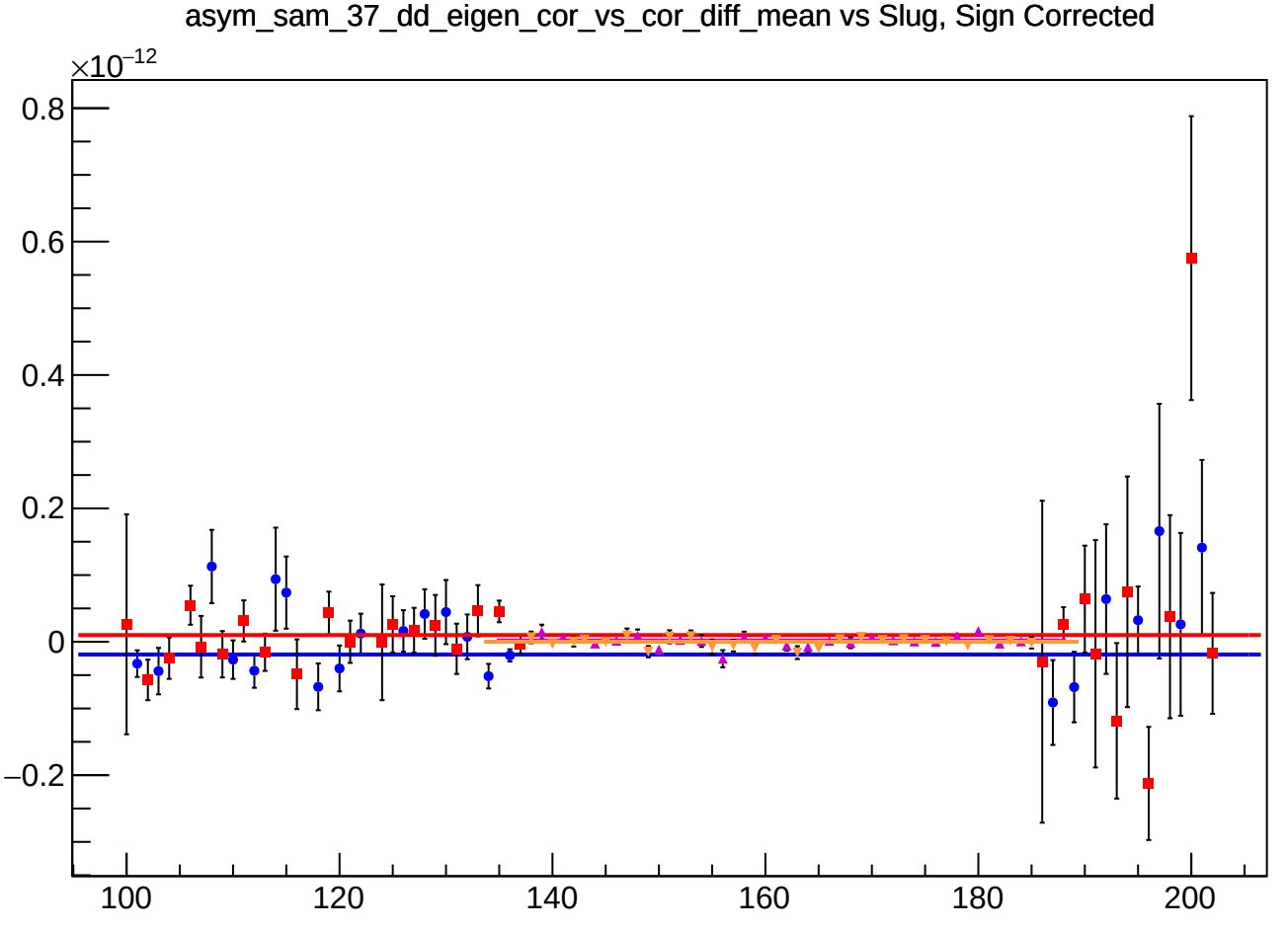
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.151+/-0.005 χ^2/NDF: 7819505.7/51

In: 15.273+/-0.002 χ^2/NDF:10957524.3/45

Out: 14.267+/-0.002 χ^2/NDF:17184210.1/53

All: 14.745+/-0.002 χ^2/NDF: 28234070.6/99



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/28

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

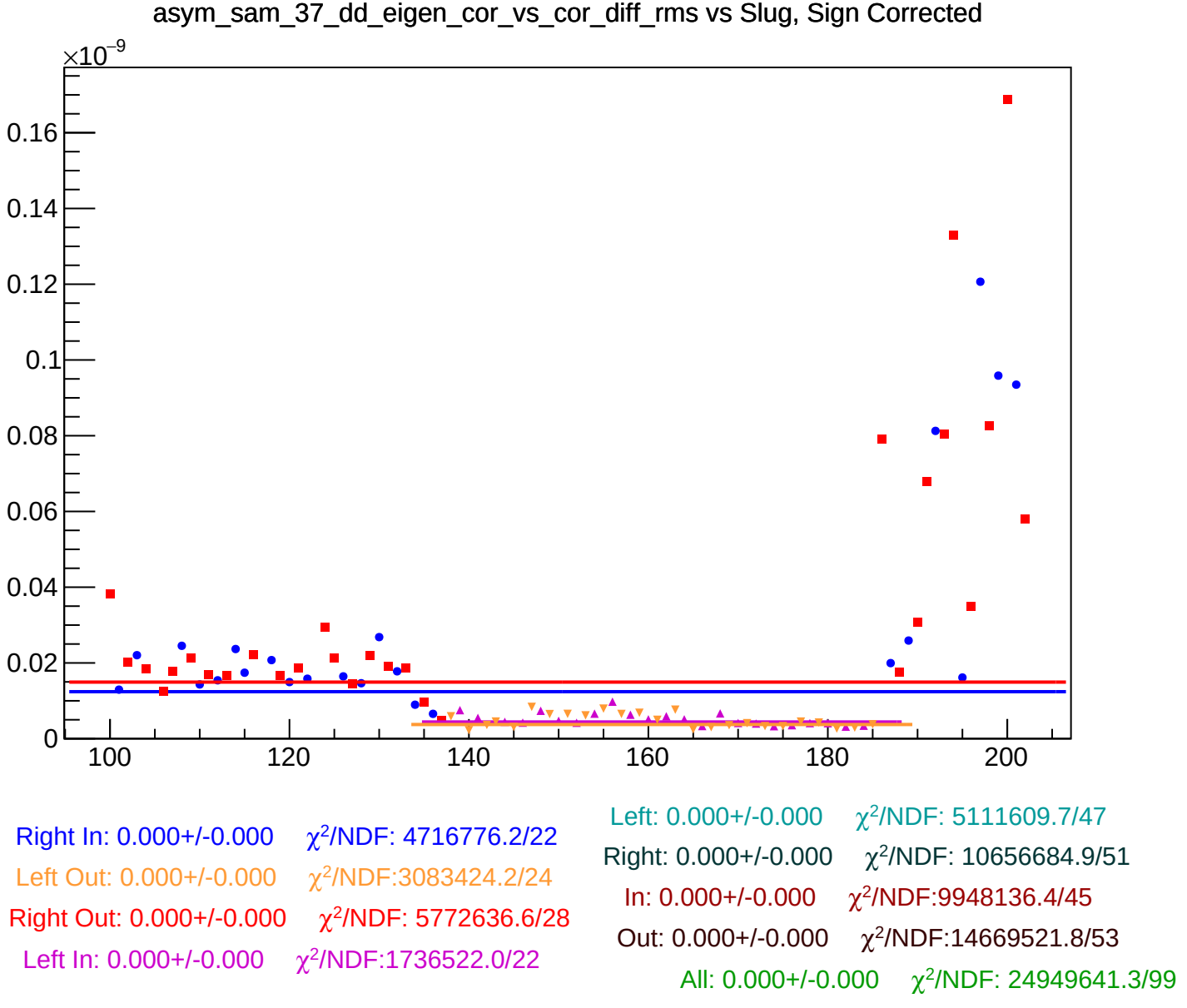
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

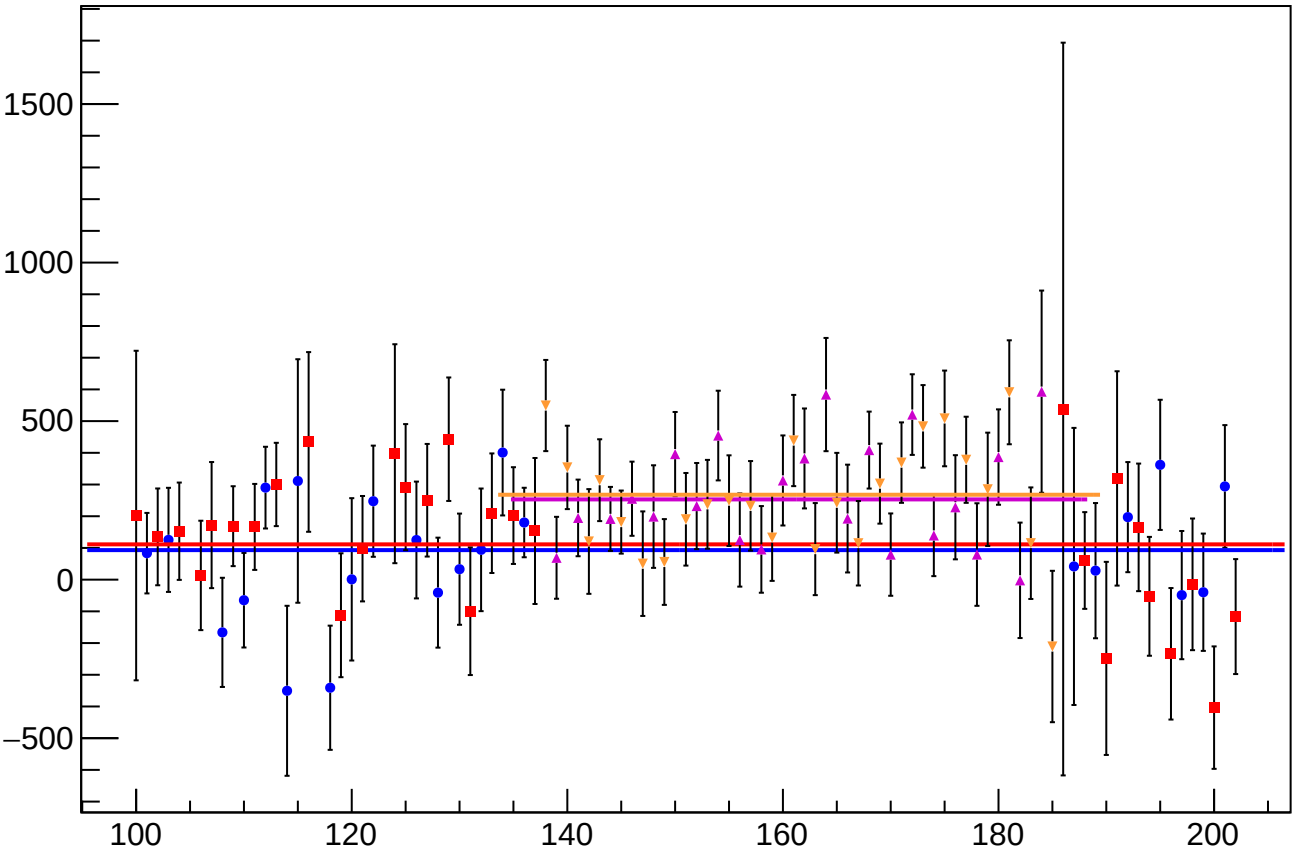
Right: -0.000+/-0.000 χ^2/NDF: 79.7/51

In: 0.000+/-0.000 χ^2/NDF:69.4/45

Out: 0.000+/-0.000 χ^2/NDF:60.5/53

All: 0.000+/-0.000 χ^2/NDF: 130.0/99


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4716776.2/22
Left Out: 0.000+/-0.000 χ²/NDF:3083424.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 5772636.6/28
Left In: 0.000+/-0.000 χ²/NDF:1736522.0/22
Left: 0.000+/-0.000 χ²/NDF: 5111609.7/47
Right: 0.000+/-0.000 χ²/NDF: 10656684.9/51
In: 0.000+/-0.000 χ²/NDF:9948136.4/45
Out: 0.000+/-0.000 χ²/NDF:14669521.8/53
All: 0.000+/-0.000 χ²/NDF: 24949641.3/99



Right In: 93.128+/-37.066 χ^2/NDF: 22.7/22

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 111.285+/-34.823 χ^2/NDF: 27.1/28

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

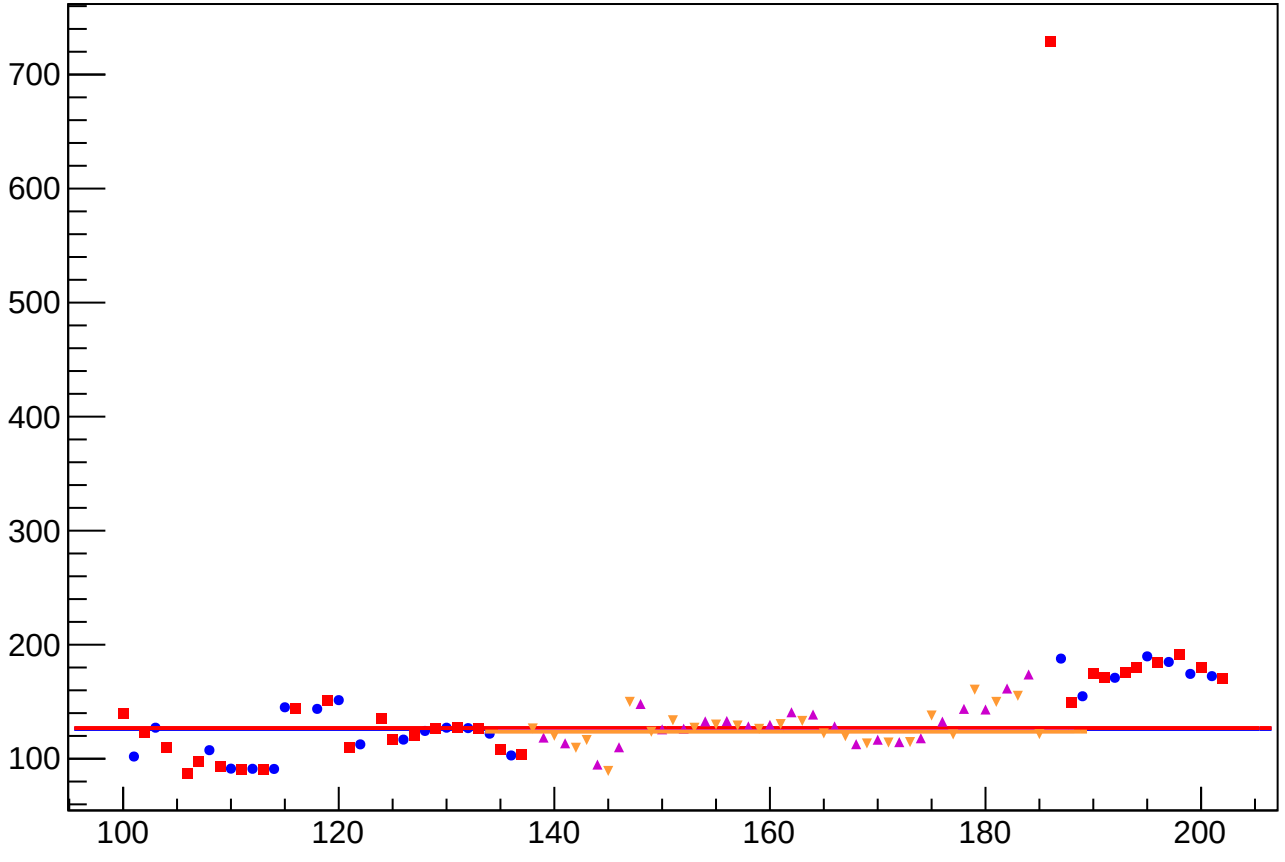
Right: 102.773+/-25.380 χ^2/NDF: 49.9/51

In: 191.515+/-22.992 χ^2/NDF:60.3/45

Out: 205.251+/-22.012 χ^2/NDF:70.2/53

All: 198.682+/-15.900 χ^2/NDF: 130.7/99

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.130+/-0.026 χ^2/NDF: 1356787.2/22

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.917+/-0.025 χ^2/NDF: 2304455.9/28

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

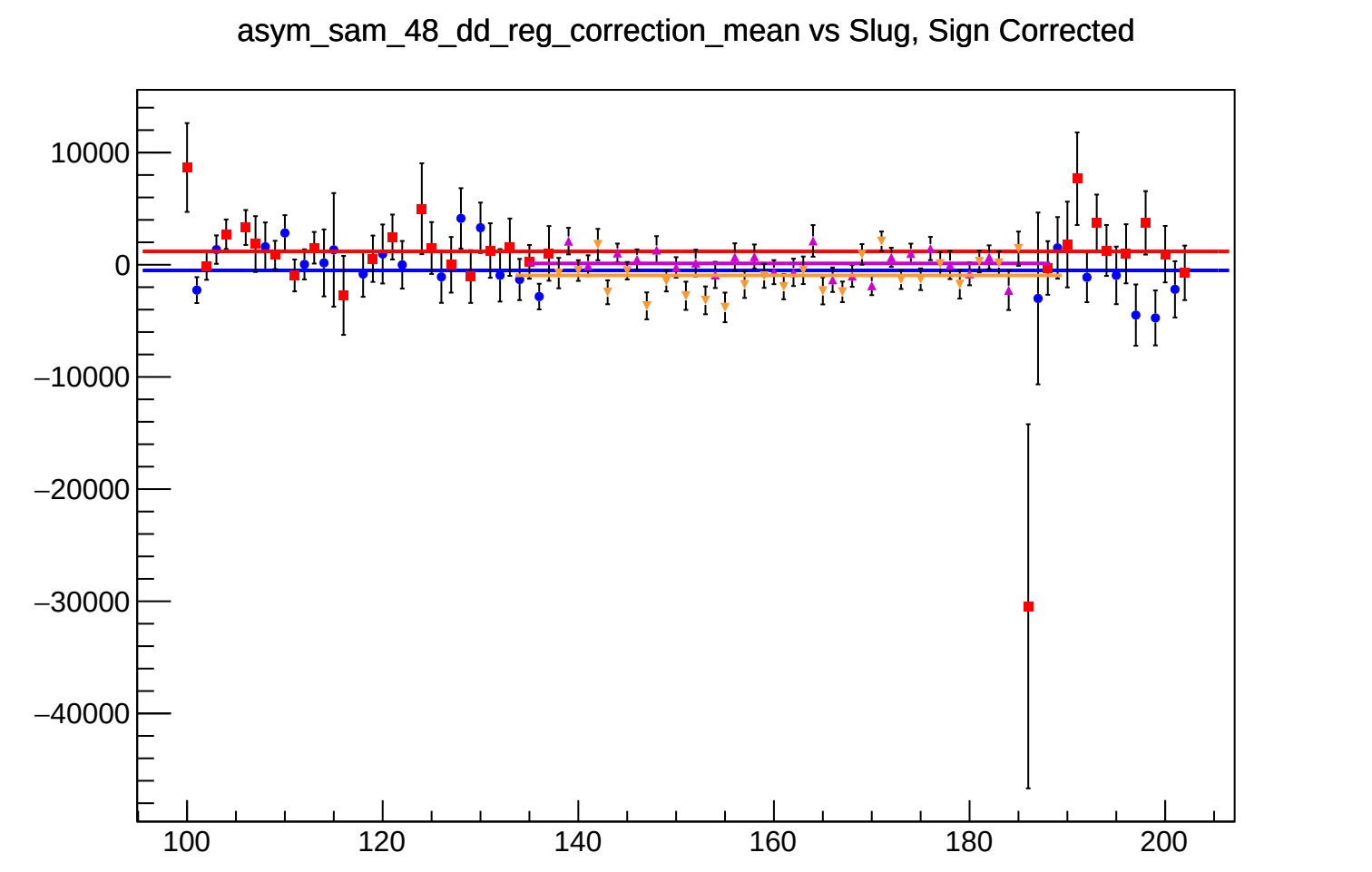
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 126.548+/-0.018 χ^2/NDF: 3661722.3/51

In: 124.979+/-0.016 χ^2/NDF:1917137.5/45

Out: 125.050+/-0.016 χ^2/NDF:2912476.6/53

All: 125.016+/-0.011 χ^2/NDF: 4829624.1/99



Right In: -505.309+/-406.941 χ^2/NDF: 27.2/22

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1187.016+/-382.190 χ^2/NDF: 23.8/28

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

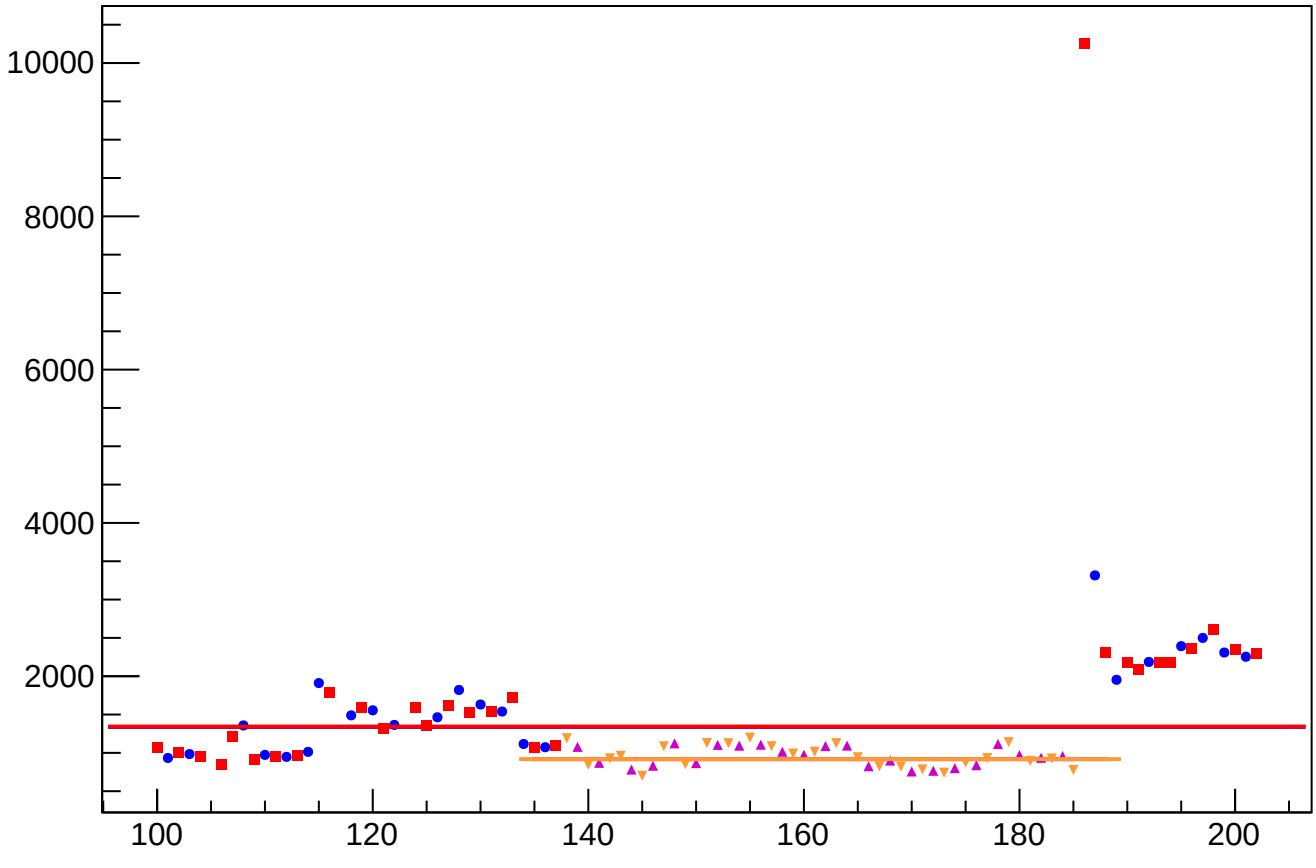
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 393.881+/-278.588 χ^2/NDF: 60.1/51

In: -19.826+/-191.591 χ^2/NDF:53.4/45

Out: -446.180+/-185.251 χ^2/NDF:97.9/53

All: -240.175+/-133.177 χ^2/NDF: 153.9/99



Right In: 1339.052+/-0.288 χ^2/NDF: 2814697.2/22

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1341.810+/-0.270 χ^2/NDF: 4249448.0/28

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

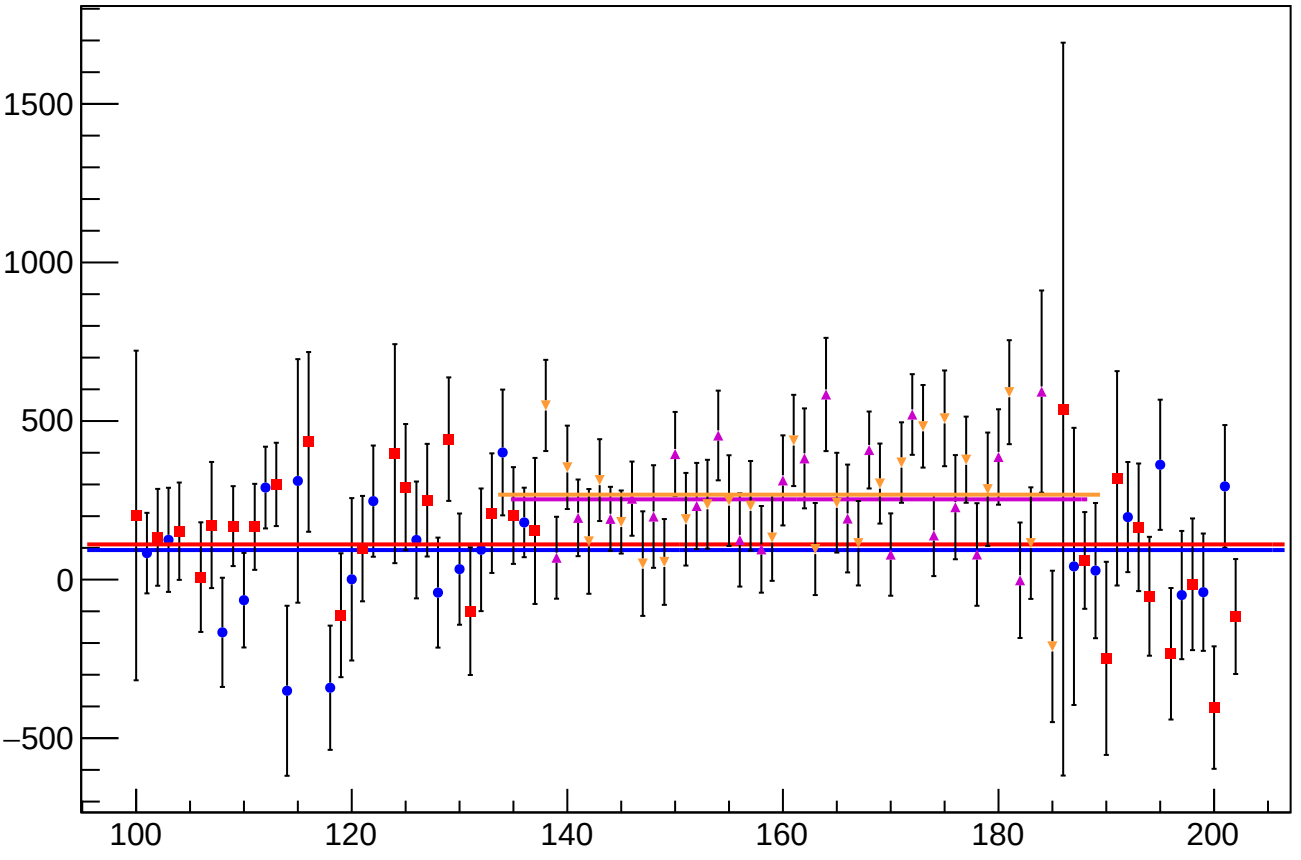
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1340.518+/-0.197 χ^2/NDF: 7064194.0/51

In: 1011.497+/-0.135 χ^2/NDF:5145778.5/45

Out: 1017.954+/-0.131 χ^2/NDF:7014337.1/53

All: 1014.834+/-0.094 χ^2/NDF: 12161289.8/9



Right In: 93.117+/-37.066 χ^2/NDF: 22.7/22

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 110.988+/-34.827 χ^2/NDF: 27.1/28

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

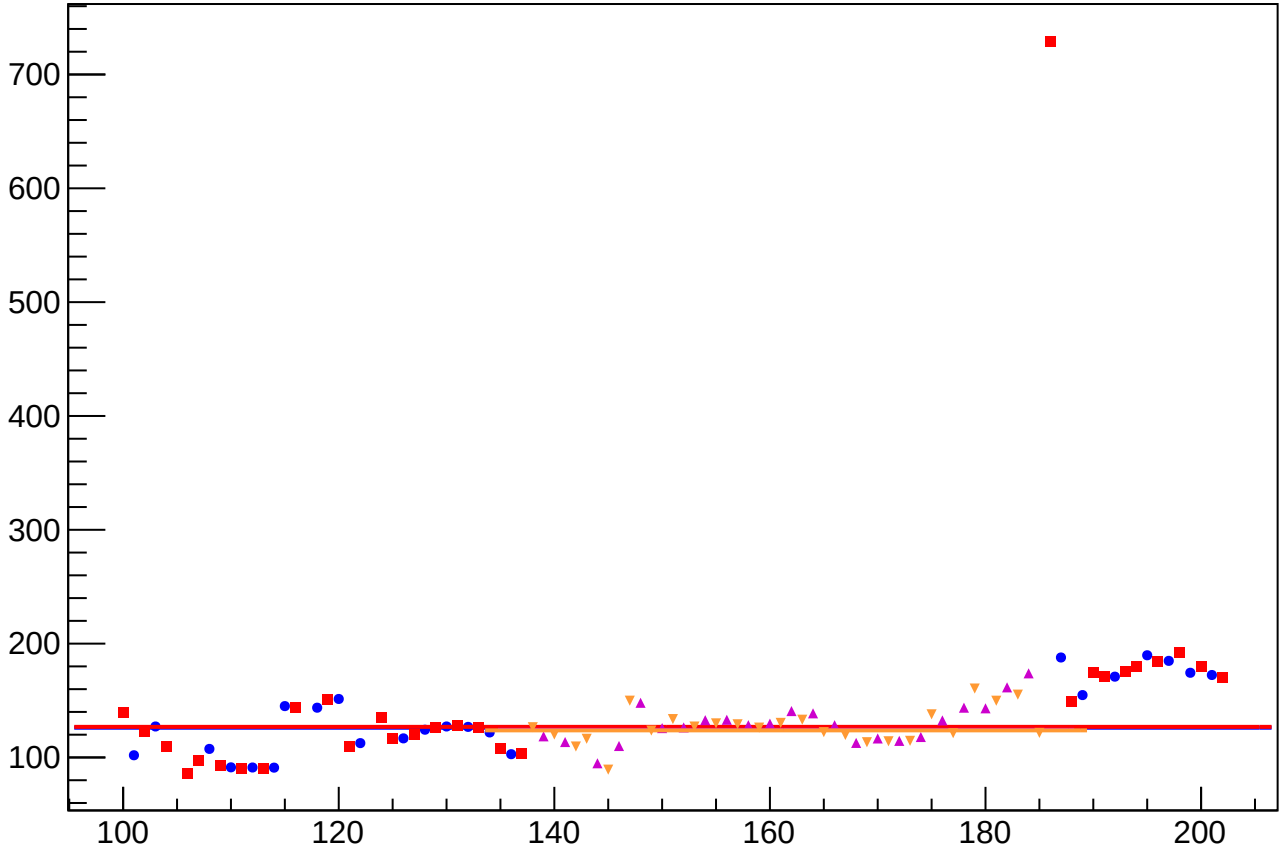
Right: 102.609+/-25.381 χ^2/NDF: 49.9/51

In: 191.513+/-22.992 χ^2/NDF:60.3/45

Out: 205.145+/-22.013 χ^2/NDF:70.3/53

All: 198.625+/-15.900 χ^2/NDF: 130.8/99

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.130+/-0.026 χ^2/NDF: 1356787.3/22

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.879+/-0.025 χ^2/NDF: 2310232.7/28

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

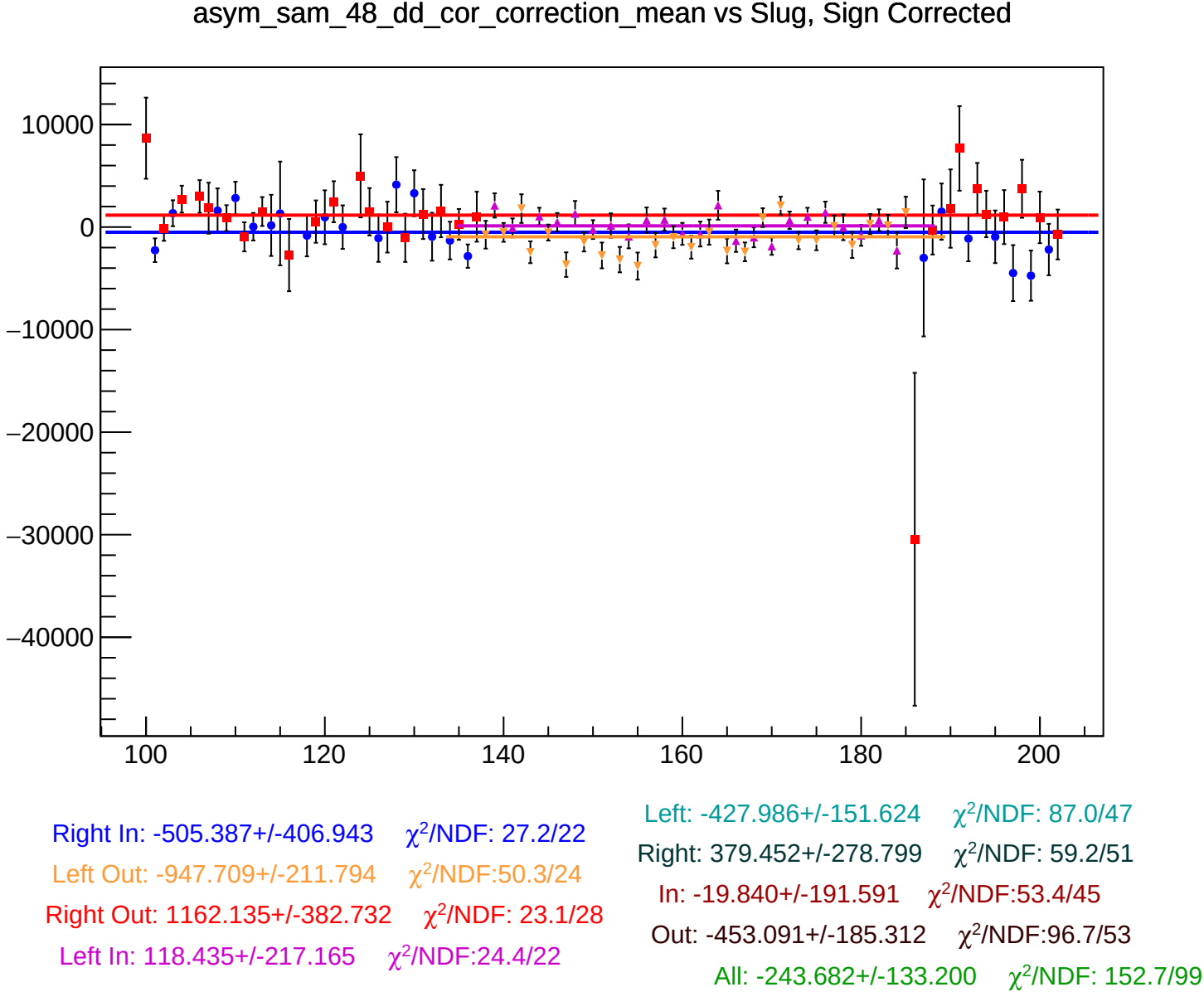
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

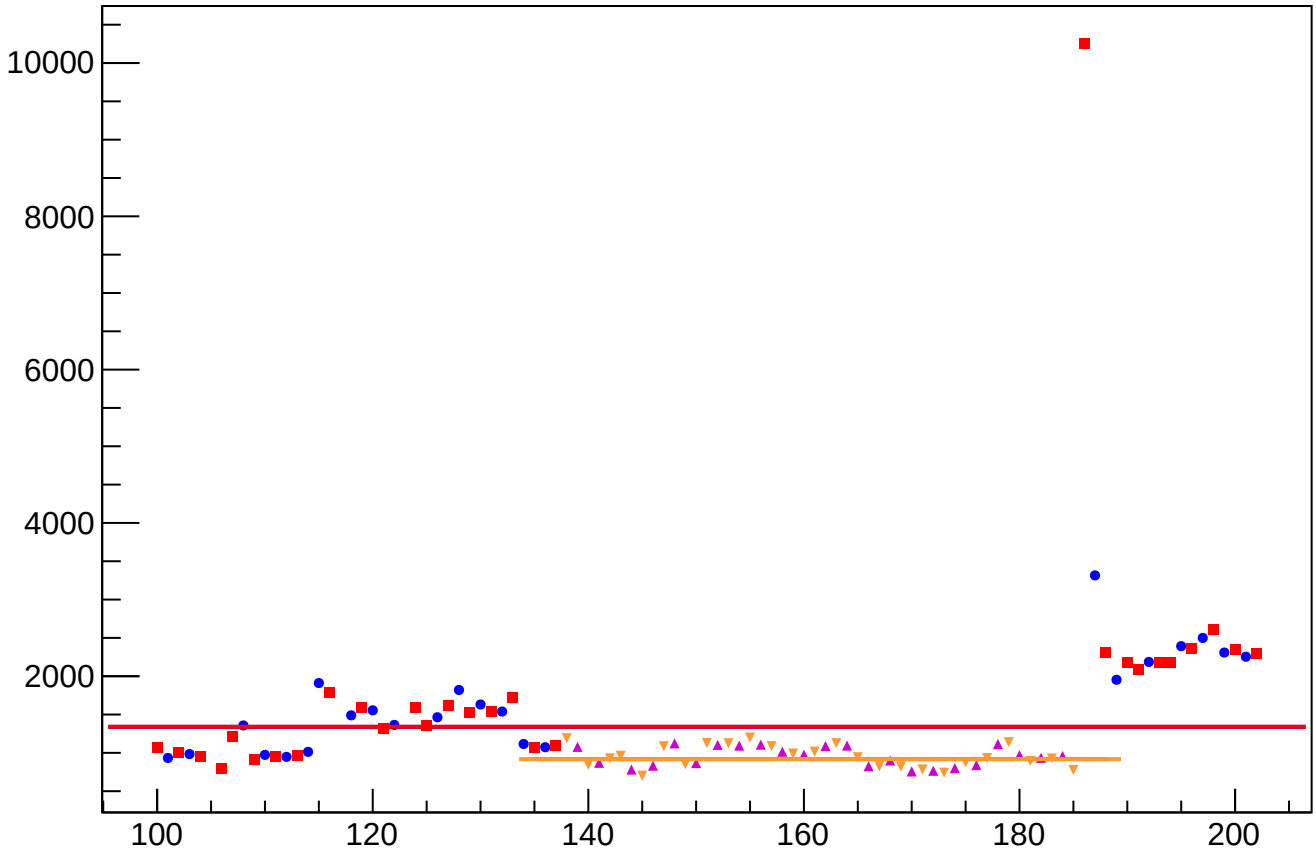
Right: 126.528+/-0.018 χ^2/NDF: 3667454.3/51

In: 124.979+/-0.016 χ^2/NDF:1917137.7/45

Out: 125.035+/-0.016 χ^2/NDF:2918021.8/53

All: 125.008+/-0.011 χ^2/NDF: 4835165.7/99


asym_sam_48_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -505.387+/-406.943 χ²/NDF: 27.2/22
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1162.135+/-382.732 χ²/NDF: 23.1/28
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 379.452+/-278.799 χ²/NDF: 59.2/51
In: -19.840+/-191.591 χ²/NDF:53.4/45
Out: -453.091+/-185.312 χ²/NDF:96.7/53
All: -243.682+/-133.200 χ²/NDF: 152.7/99



Right In: 1339.063+/-0.288 χ^2/NDF: 2814627.1/22

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1340.317+/-0.271 χ^2/NDF: 4281222.4/28

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

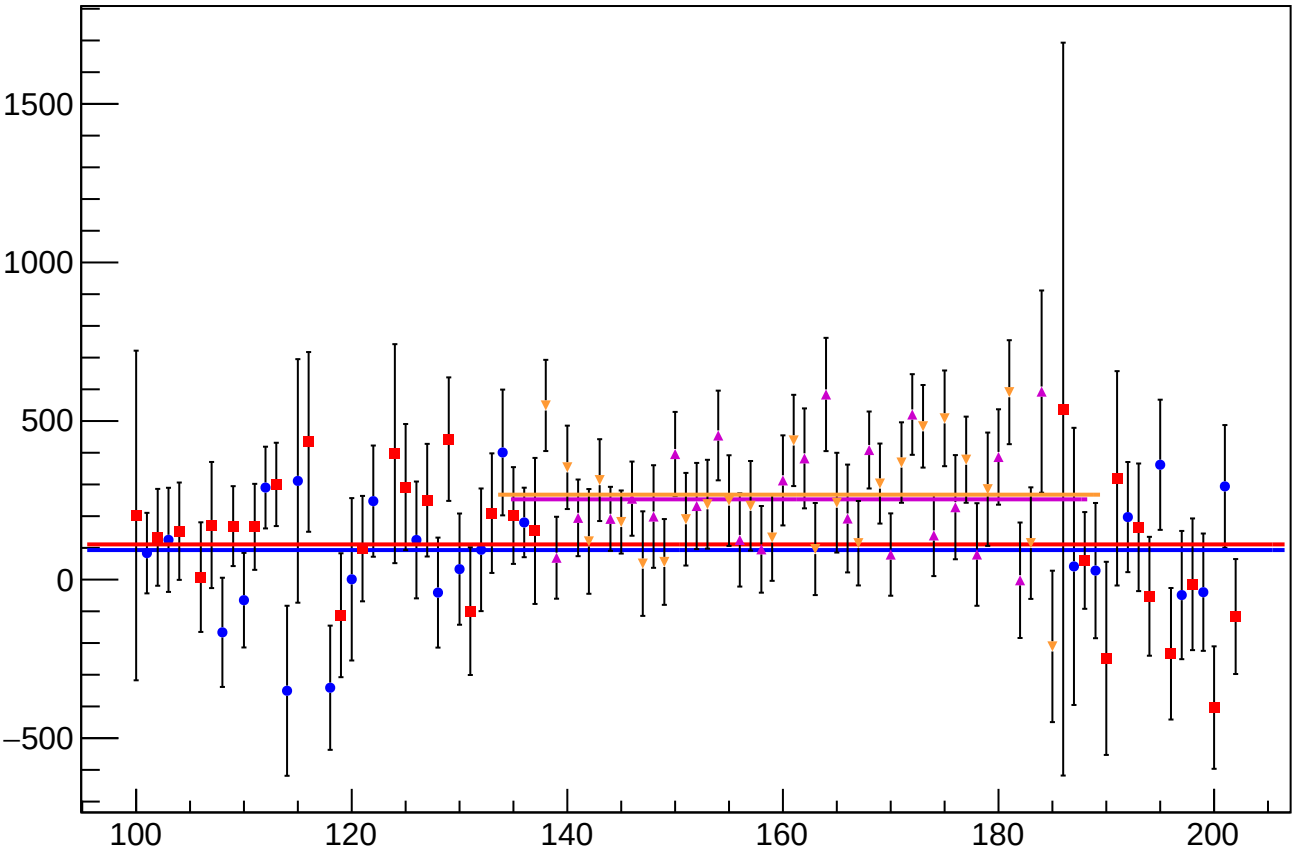
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1339.728+/-0.197 χ^2/NDF: 7095859.6/51

In: 1011.499+/-0.135 χ^2/NDF:5145773.9/45

Out: 1017.389+/-0.131 χ^2/NDF:7028854.4/53

All: 1014.542+/-0.094 χ^2/NDF: 12175605.0/9



Right In: 93.117+/-37.066 χ^2/NDF: 22.7/22

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 110.988+/-34.827 χ^2/NDF: 27.1/28

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

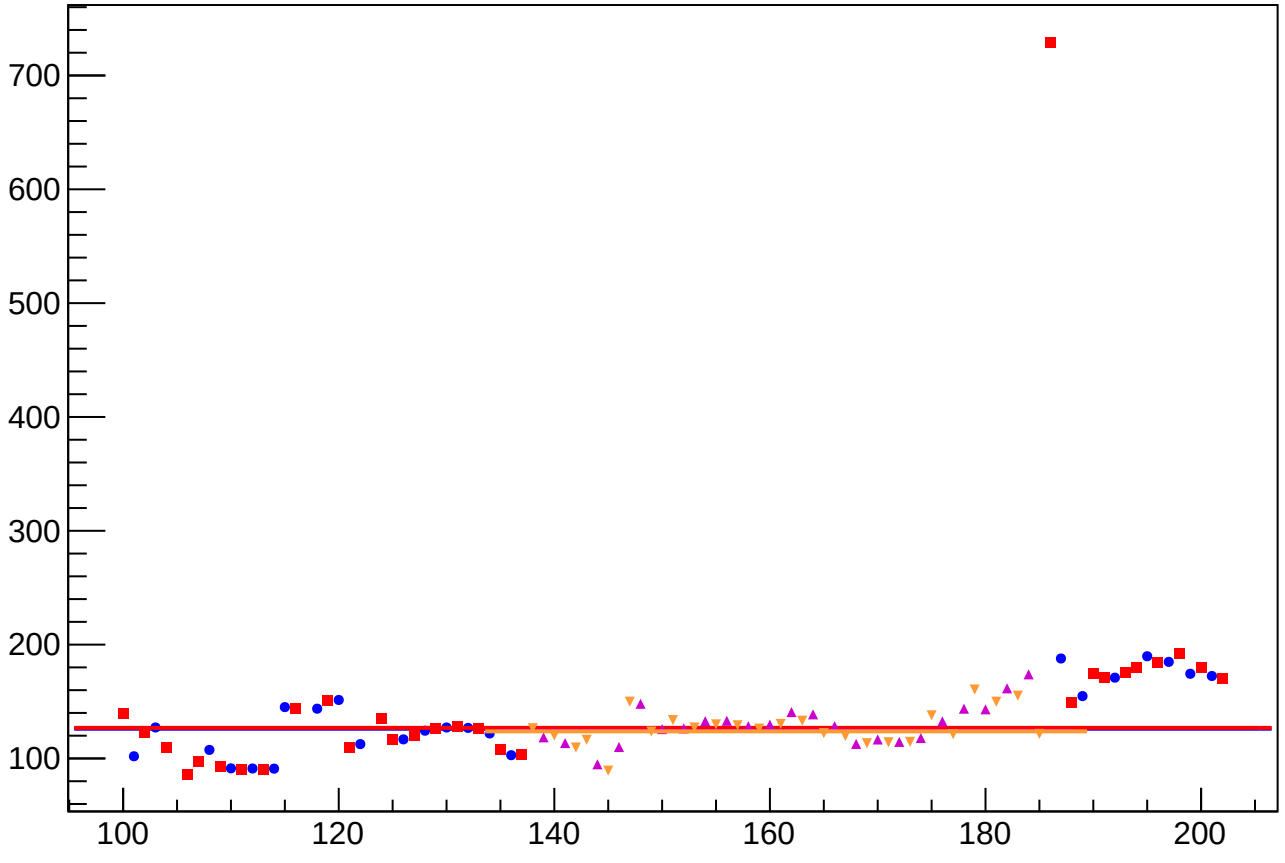
Right: 102.609+/-25.381 χ^2/NDF: 49.9/51

In: 191.513+/-22.992 χ^2/NDF:60.3/45

Out: 205.145+/-22.013 χ^2/NDF:70.3/53

All: 198.625+/-15.900 χ^2/NDF: 130.8/99

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.130+/-0.026 χ^2/NDF: 1356787.3/22

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.879+/-0.025 χ^2/NDF: 2310232.7/28

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

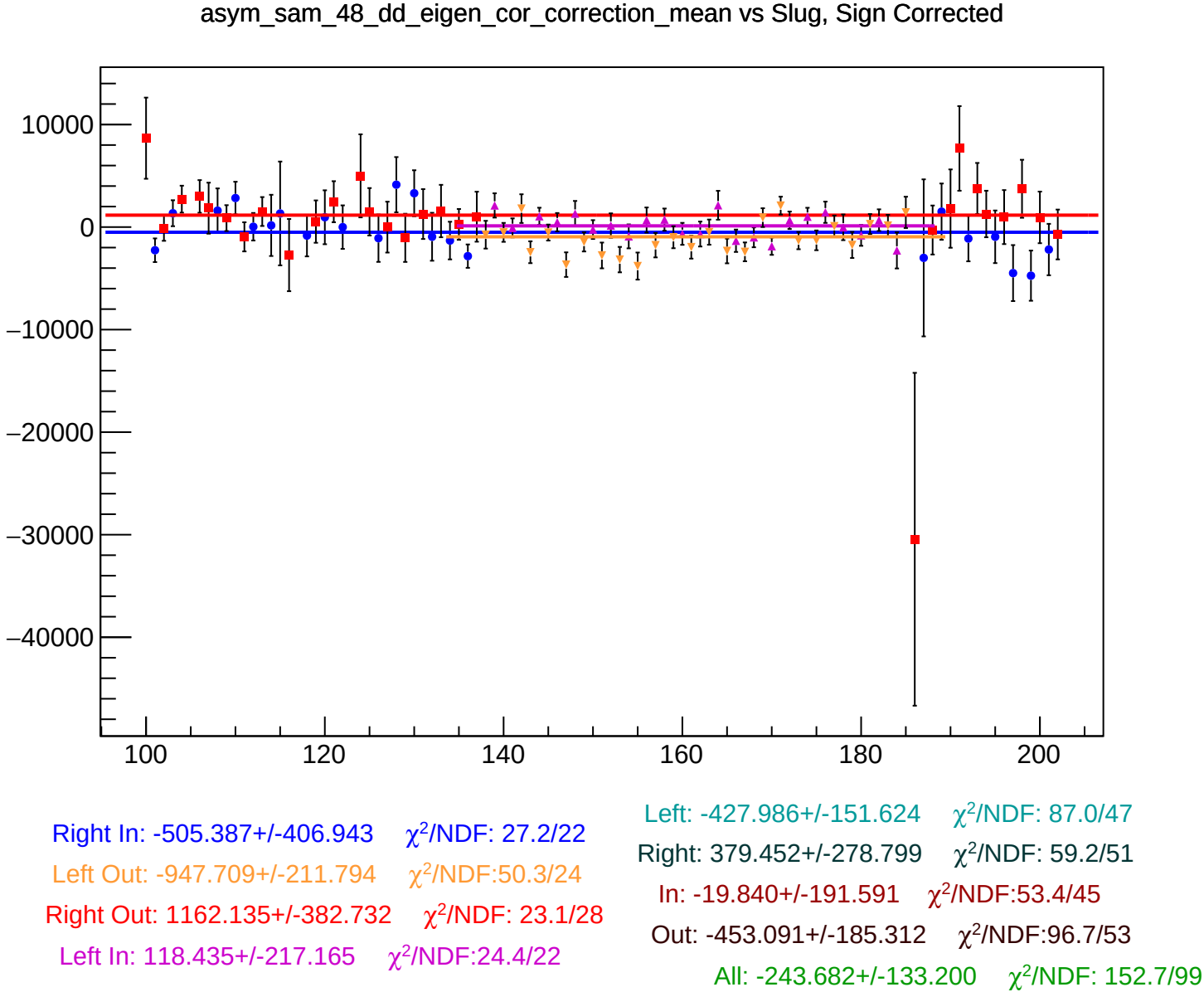
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

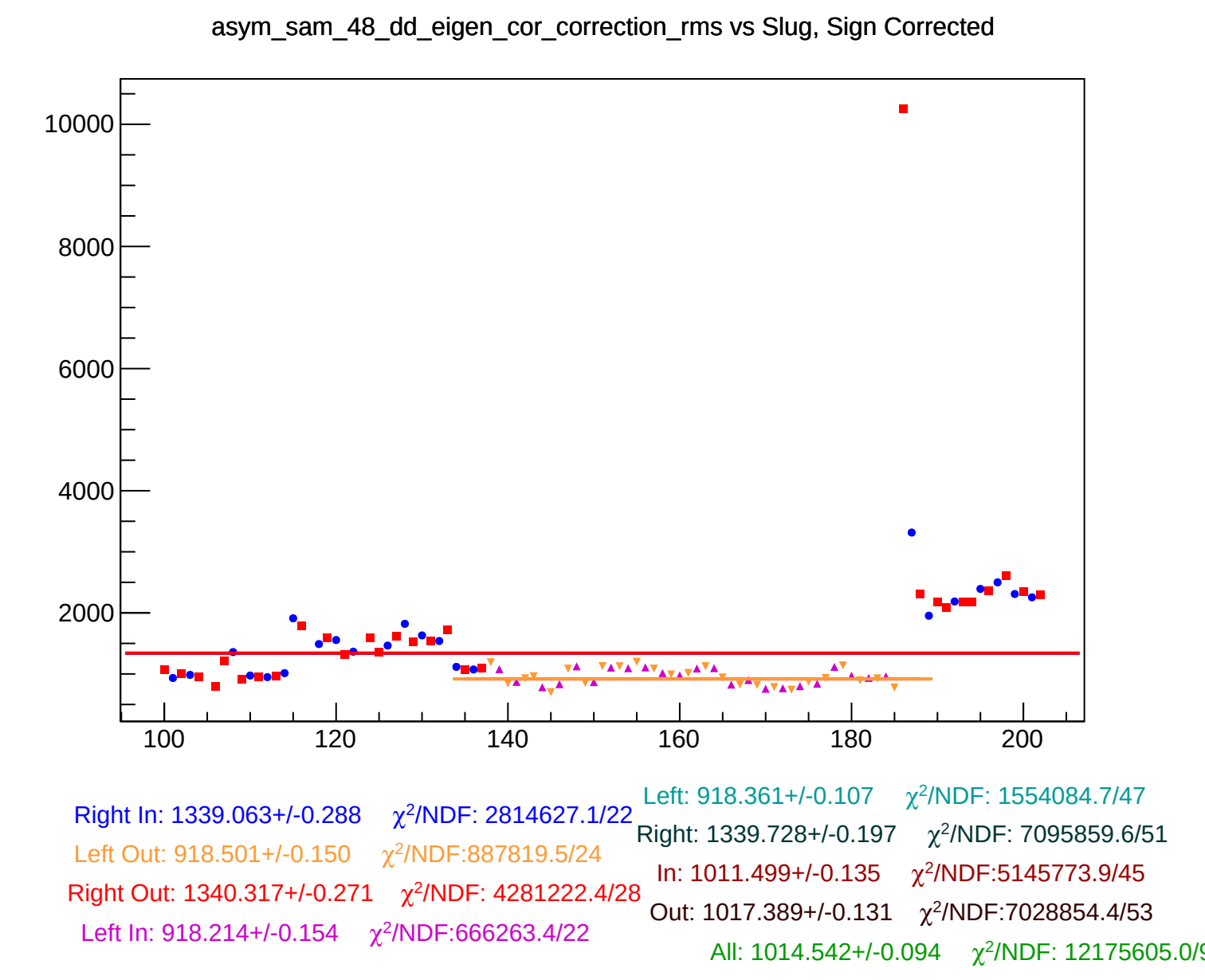
Right: 126.528+/-0.018 χ^2/NDF: 3667454.3/51

In: 124.979+/-0.016 χ^2/NDF:1917137.7/45

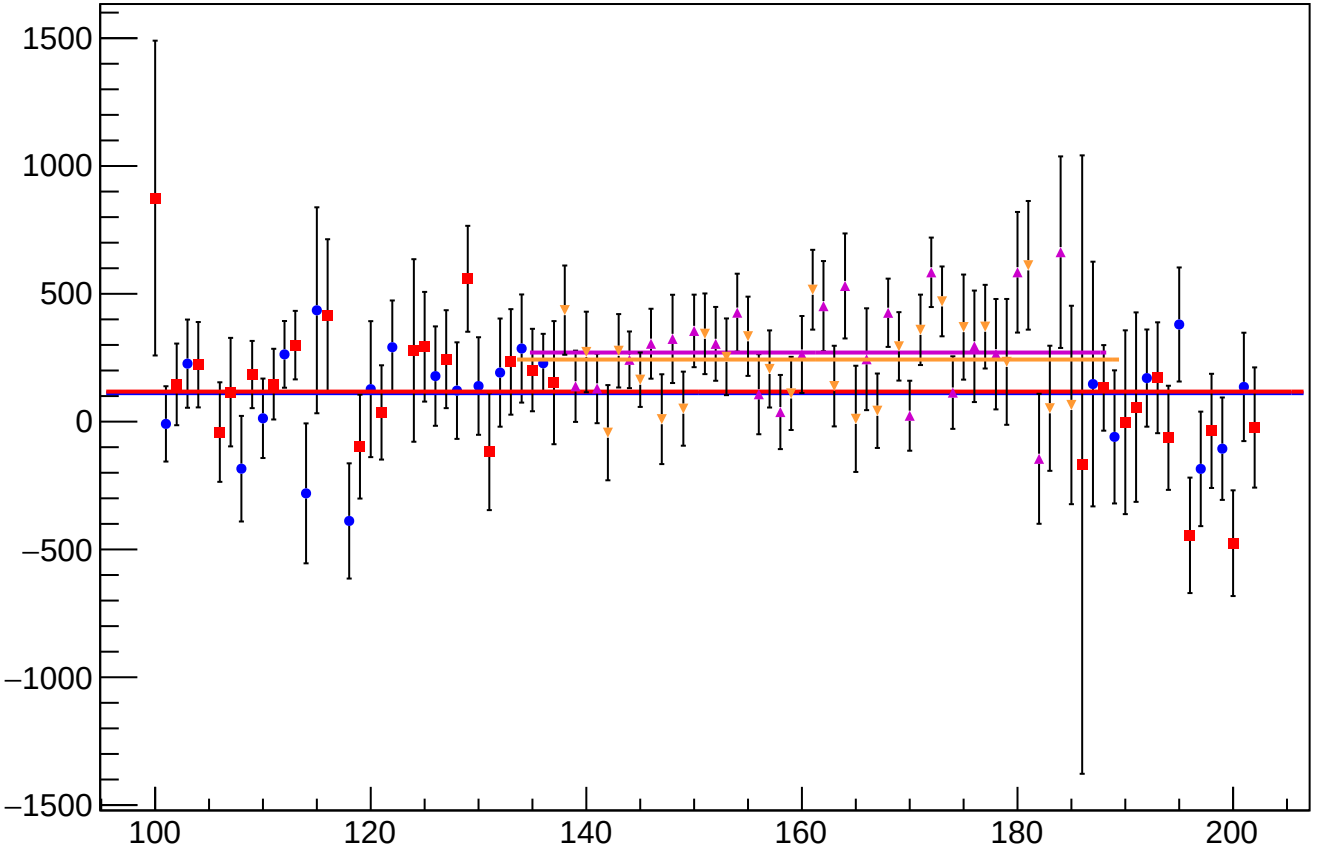
Out: 125.035+/-0.016 χ^2/NDF:2918021.8/53

All: 125.008+/-0.011 χ^2/NDF: 4835165.7/99


asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -505.387+/-406.943 χ²/NDF: 27.2/22
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1162.135+/-382.732 χ²/NDF: 23.1/28
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 379.452+/-278.799 χ²/NDF: 59.2/51
In: -19.840+/-191.591 χ²/NDF:53.4/45
Out: -453.091+/-185.312 χ²/NDF:96.7/53
All: -243.682+/-133.200 χ²/NDF: 152.7/99


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1339.063+/-0.288 χ²/NDF: 2814627.1/22
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1340.317+/-0.271 χ²/NDF: 4281222.4/28
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1339.728+/-0.197 χ²/NDF: 7095859.6/51
In: 1011.499+/-0.135 χ²/NDF:5145773.9/45
Out: 1017.389+/-0.131 χ²/NDF:7028854.4/53
All: 1014.542+/-0.094 χ²/NDF: 12175605.0/9

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 111.375+/-40.076 χ^2/NDF: 20.4/22

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 117.503+/-37.447 χ^2/NDF: 30.9/28

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

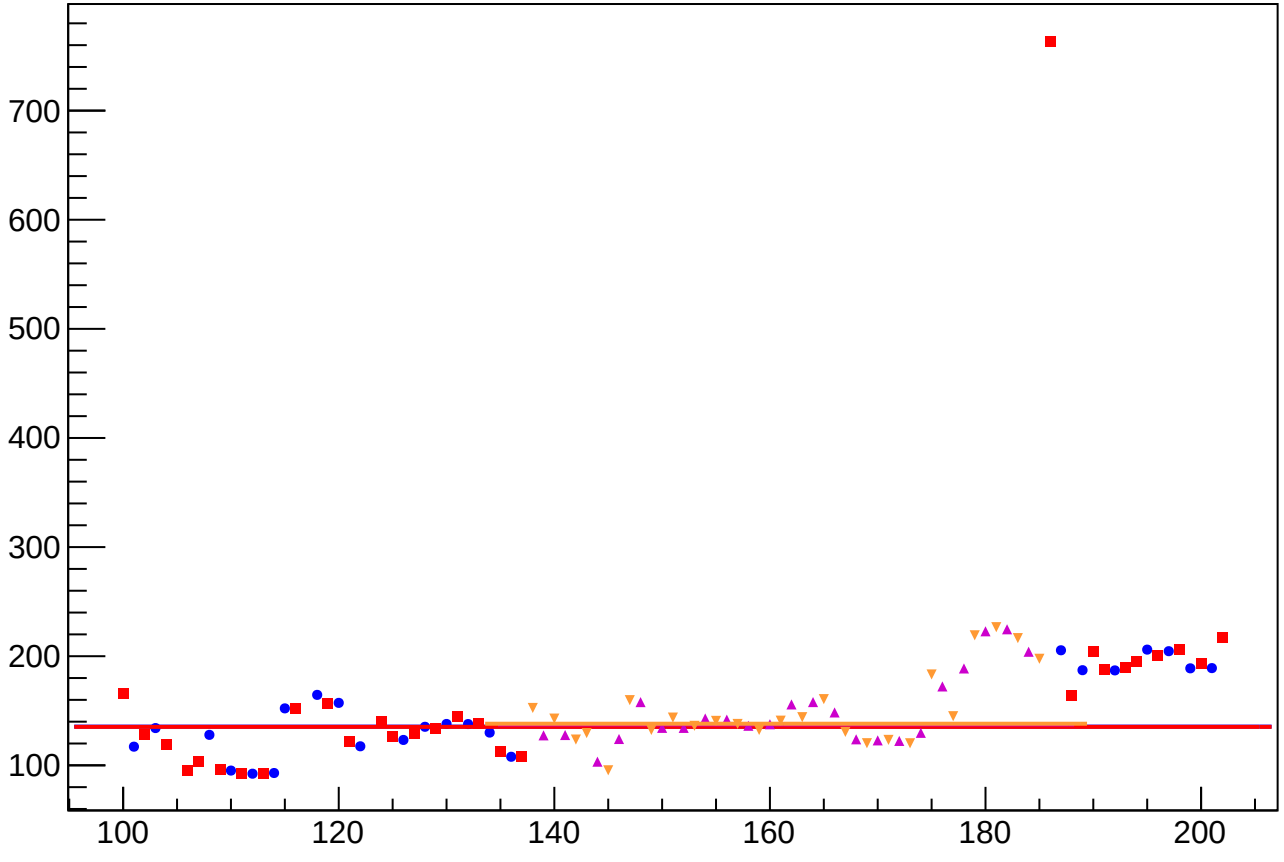
Right: 114.647+/-27.361 χ^2/NDF: 51.3/51

In: 206.298+/-25.426 χ^2/NDF:56.5/45

Out: 189.706+/-24.388 χ^2/NDF:61.0/53

All: 197.656+/-17.600 χ^2/NDF: 117.7/99

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 135.484+/-0.028 χ^2/NDF: 1559263.6/22

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 135.244+/-0.026 χ^2/NDF: 2618930.1/28

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

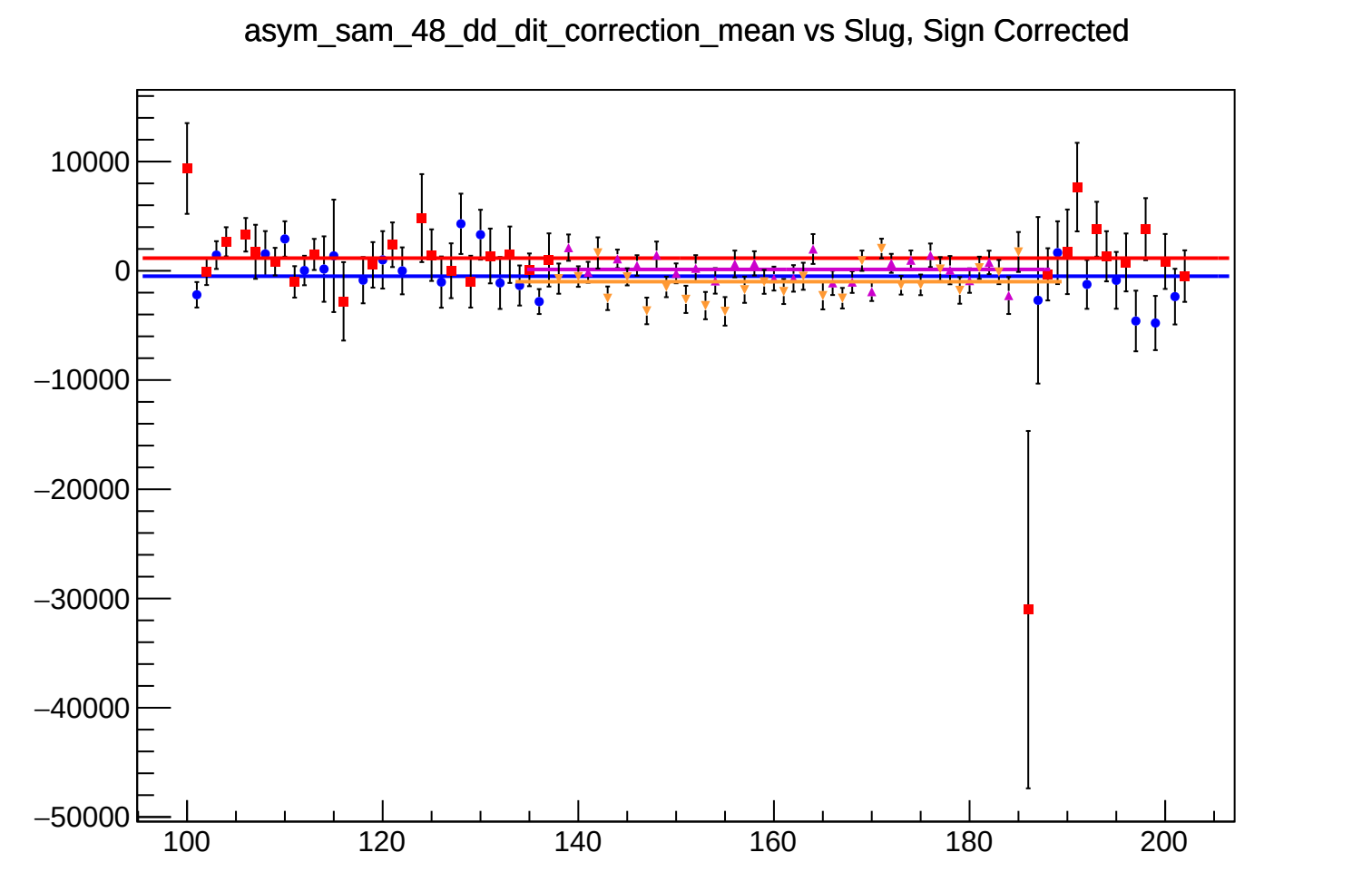
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 135.356+/-0.019 χ^2/NDF: 4178232.2/51

In: 136.683+/-0.018 χ^2/NDF:2671593.6/45

Out: 136.904+/-0.017 χ^2/NDF:3964066.9/53

All: 136.798+/-0.012 χ^2/NDF: 6635739.1/99



Right In: -494.879+/-410.656 χ^2/NDF: 27.3/22

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1158.459+/-384.325 χ^2/NDF: 24.0/28

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

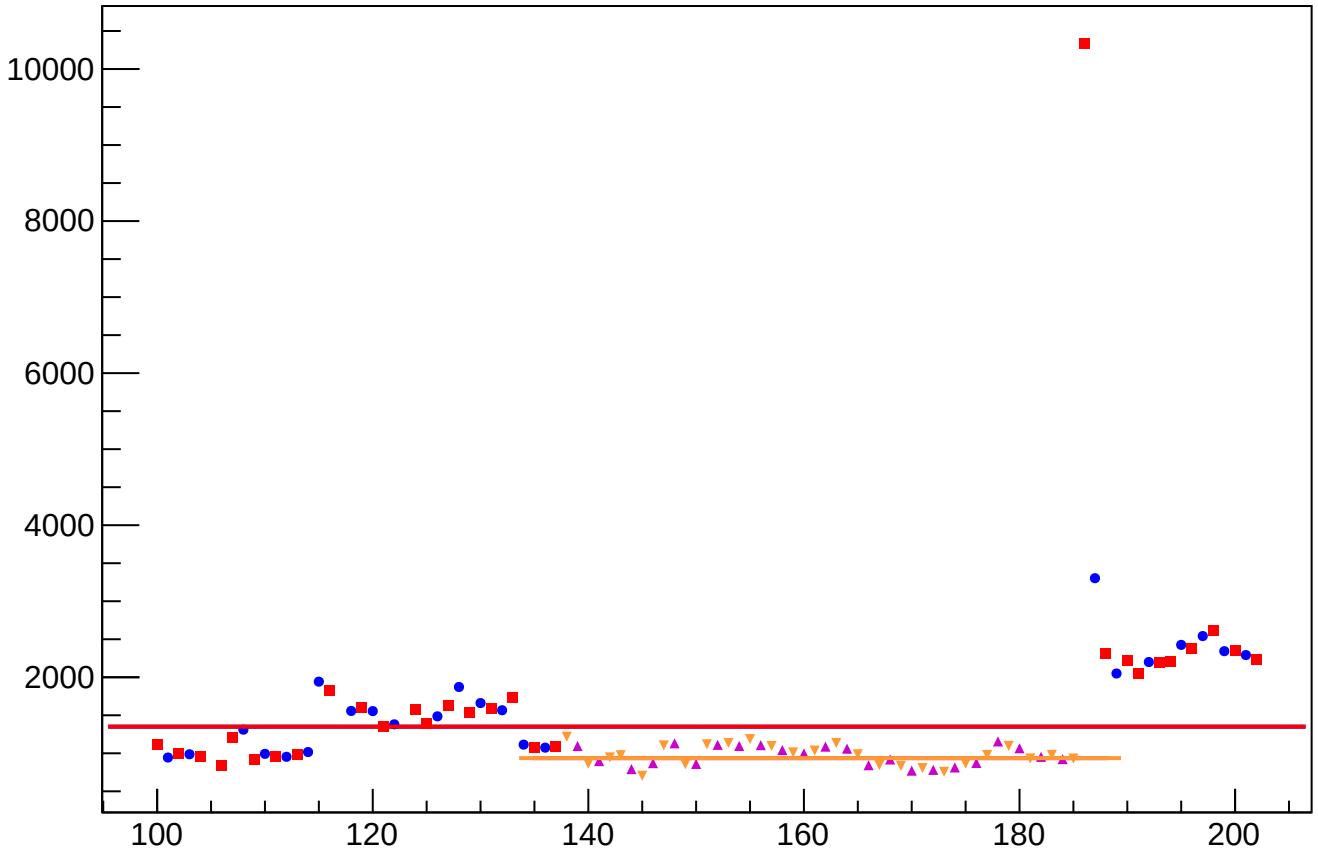
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 386.491+/-280.606 χ^2/NDF: 59.9/51

In: -14.680+/-194.859 χ^2/NDF:52.9/45

Out: -477.993+/-188.068 χ^2/NDF:94.7/53

All: -254.550+/-135.321 χ^2/NDF: 150.6/99



Right In: 1349.917+/-0.290 χ^2/NDF: 2884316.8/22

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1350.622+/-0.272 χ^2/NDF: 4238019.4/28

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

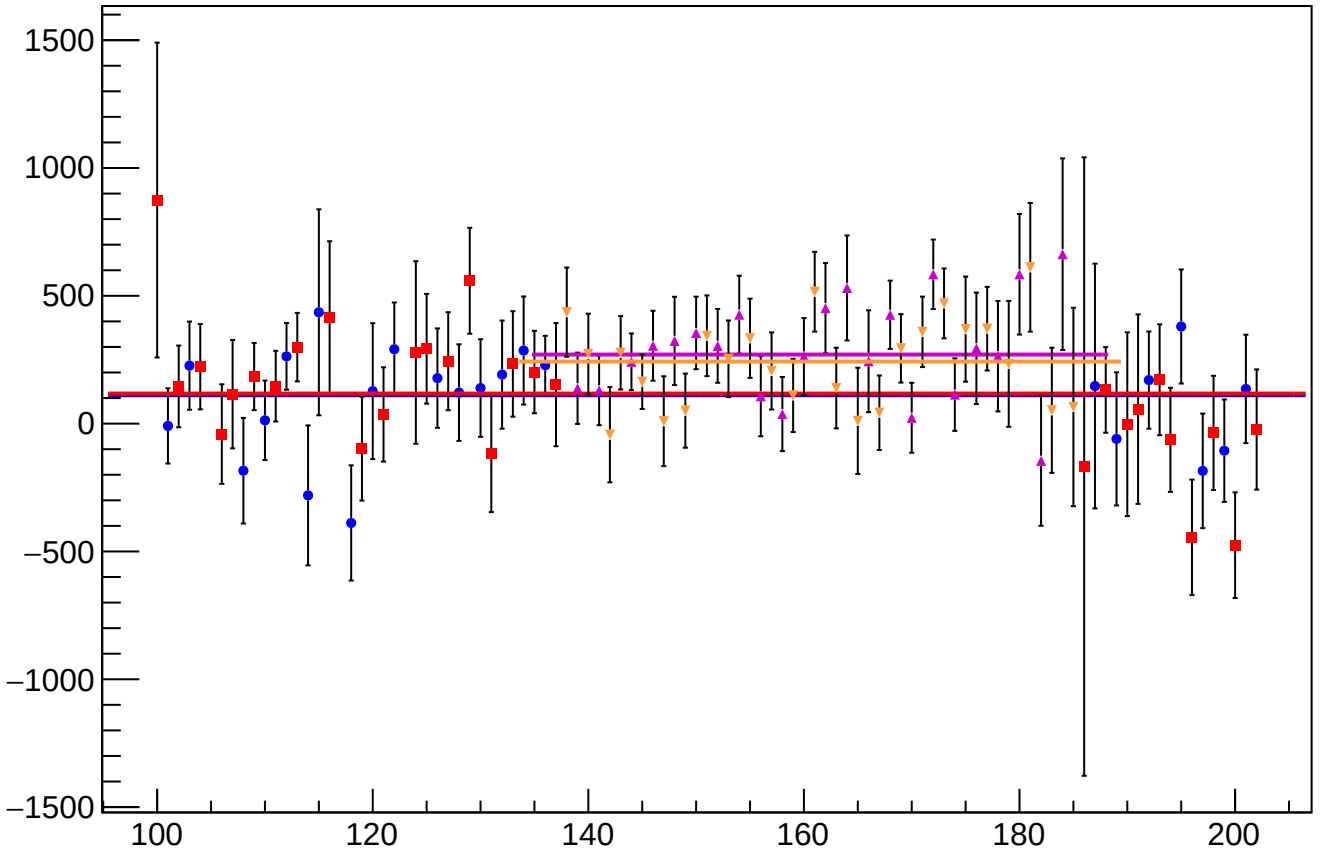
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1350.293+/-0.198 χ^2/NDF: 7122339.4/51

In: 1029.491+/-0.138 χ^2/NDF:5098573.3/45

Out: 1035.851+/-0.133 χ^2/NDF:6834480.0/53

All: 1032.783+/-0.096 χ^2/NDF: 11934156.5/9



Right In: 111.377+/-40.076 χ^2/NDF: 20.4/22

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 117.503+/-37.447 χ^2/NDF: 30.9/28

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

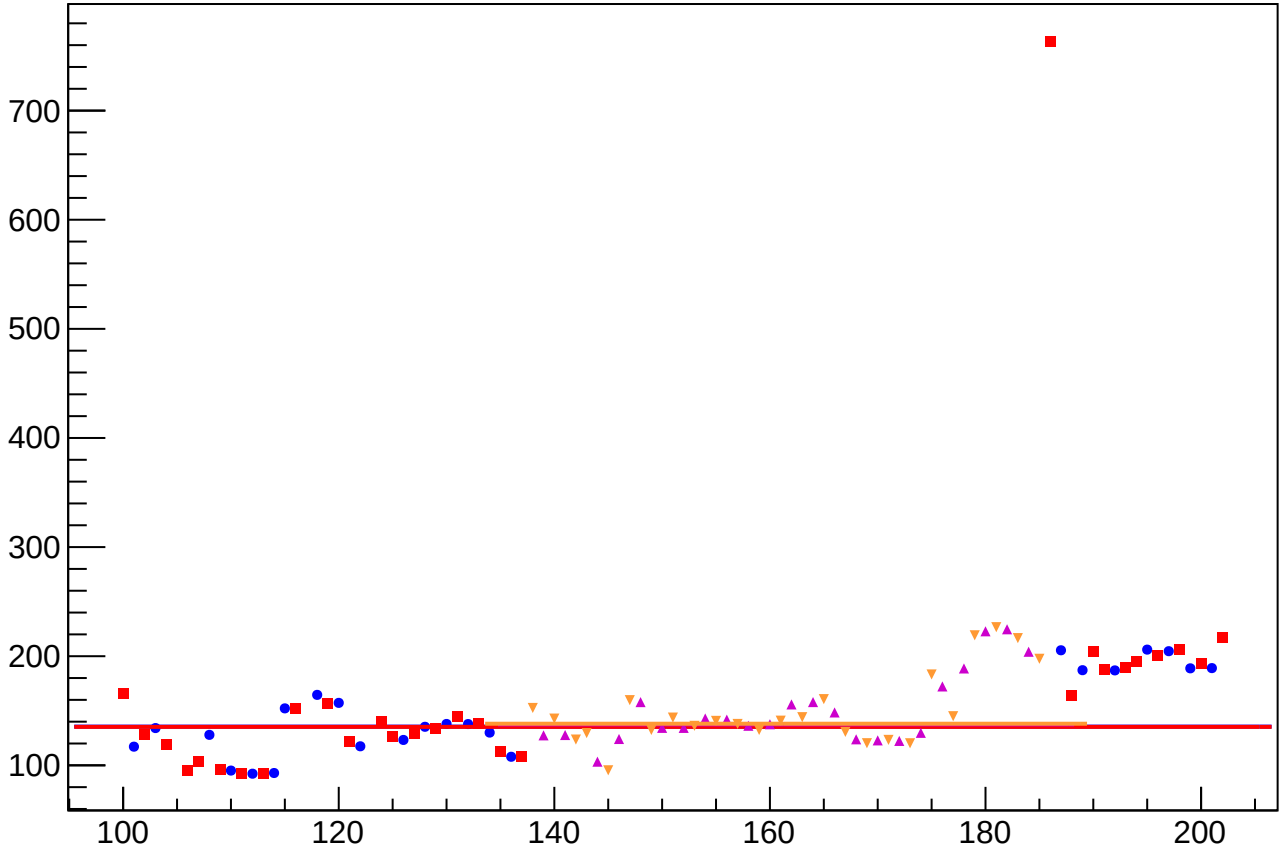
Right: 114.648+/-27.361 χ^2/NDF: 51.3/51

In: 206.299+/-25.426 χ^2/NDF:56.5/45

Out: 189.707+/-24.388 χ^2/NDF:61.0/53

All: 197.658+/-17.600 χ^2/NDF: 117.7/99

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 135.484+/-0.028 χ^2/NDF: 1559253.3/22

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 135.244+/-0.026 χ^2/NDF: 2618936.7/28

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

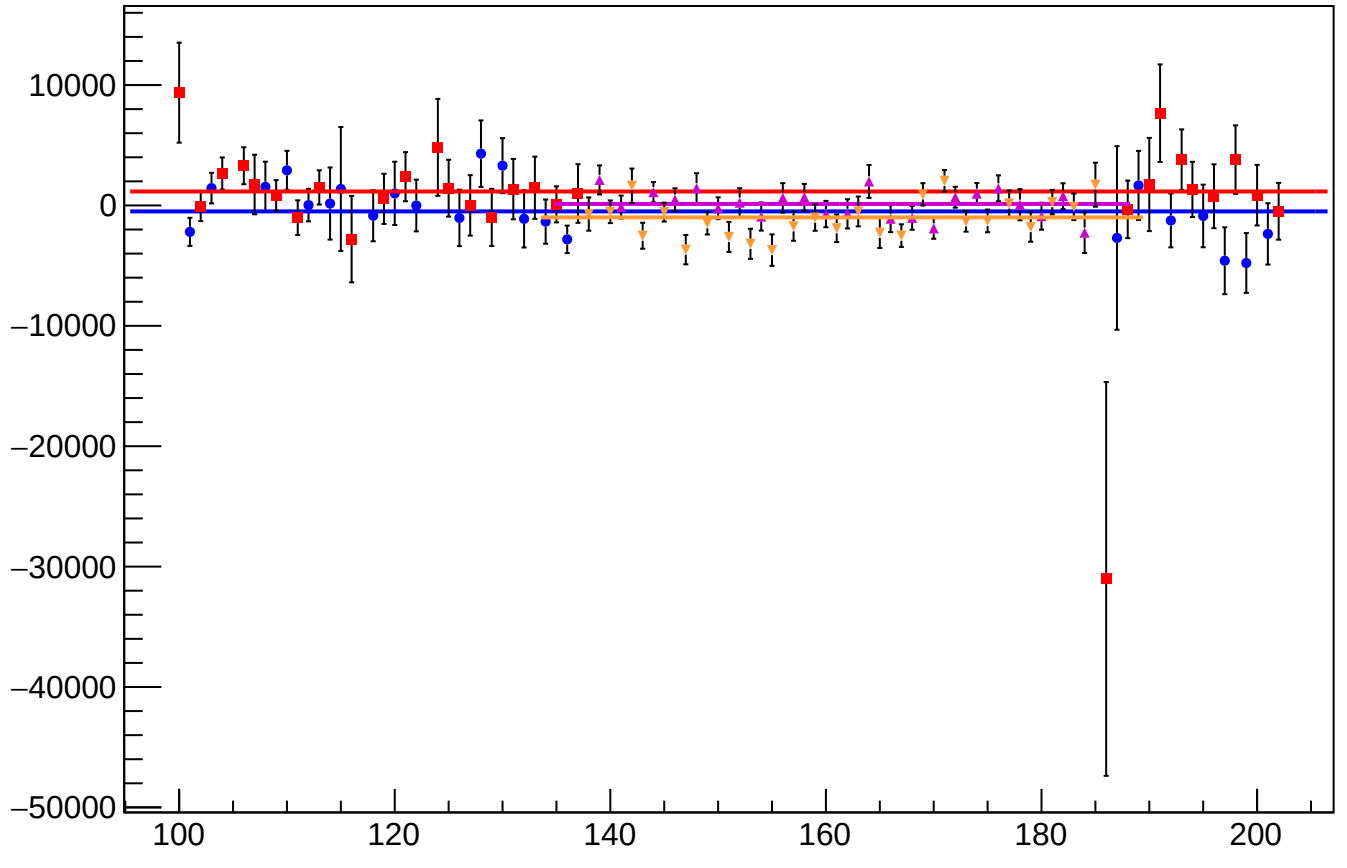
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 135.356+/-0.019 χ^2/NDF: 4178228.5/51

In: 136.683+/-0.018 χ^2/NDF:2671569.6/45

Out: 136.904+/-0.017 χ^2/NDF:3964076.8/53

All: 136.798+/-0.012 χ^2/NDF: 6635725.0/99



Right In: -494.879+/-410.656 χ^2/NDF: 27.3/22

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1158.458+/-384.325 χ^2/NDF: 24.0/28

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

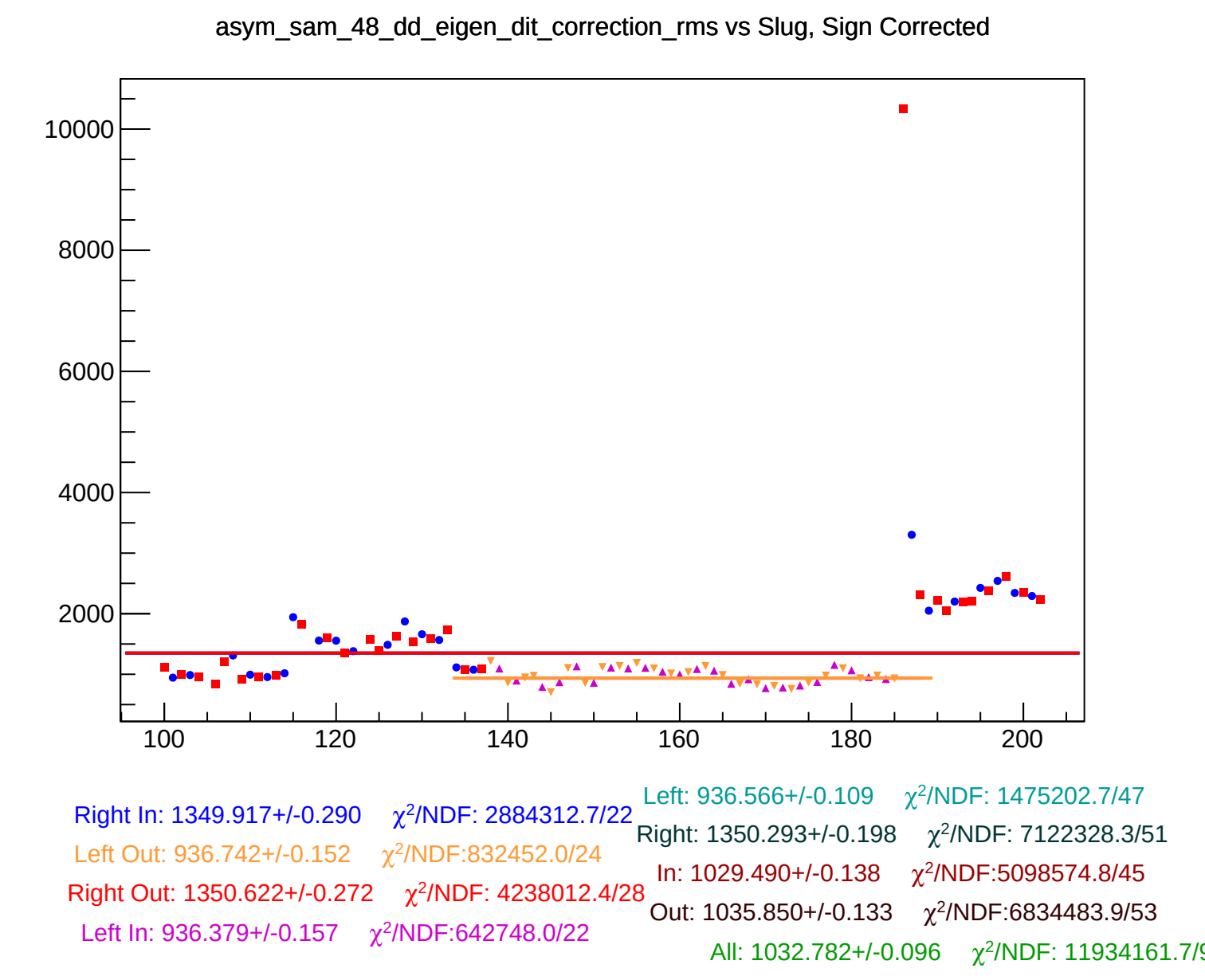
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 386.491+/-280.606 χ^2/NDF: 59.9/51

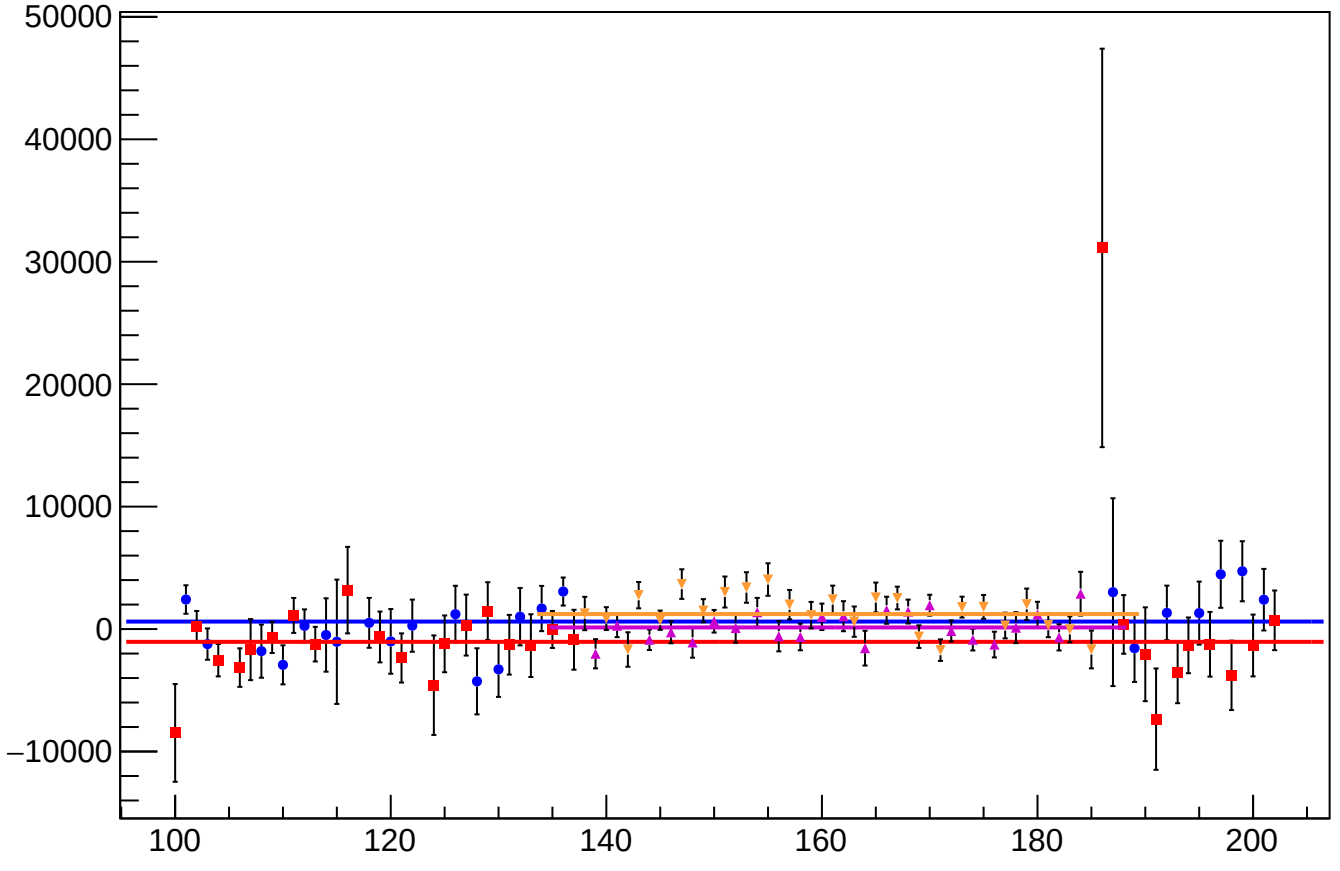
In: -14.681+/-194.858 χ^2/NDF:52.9/45

Out: -477.992+/-188.068 χ^2/NDF:94.7/53

All: -254.550+/-135.321 χ^2/NDF: 150.6/99


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1349.917+/-0.290 χ²/NDF: 2884312.7/22
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1350.622+/-0.272 χ²/NDF: 4238012.4/28
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1350.293+/-0.198 χ²/NDF: 7122328.3/51
In: 1029.490+/-0.138 χ²/NDF:5098574.8/45
Out: 1035.850+/-0.133 χ²/NDF:6834483.9/53
All: 1032.782+/-0.096 χ²/NDF: 11934161.7/9

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 612.329+/-408.976 χ^2/NDF: 28.8/22

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1042.959+/-384.150 χ^2/NDF: 23.8/28

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

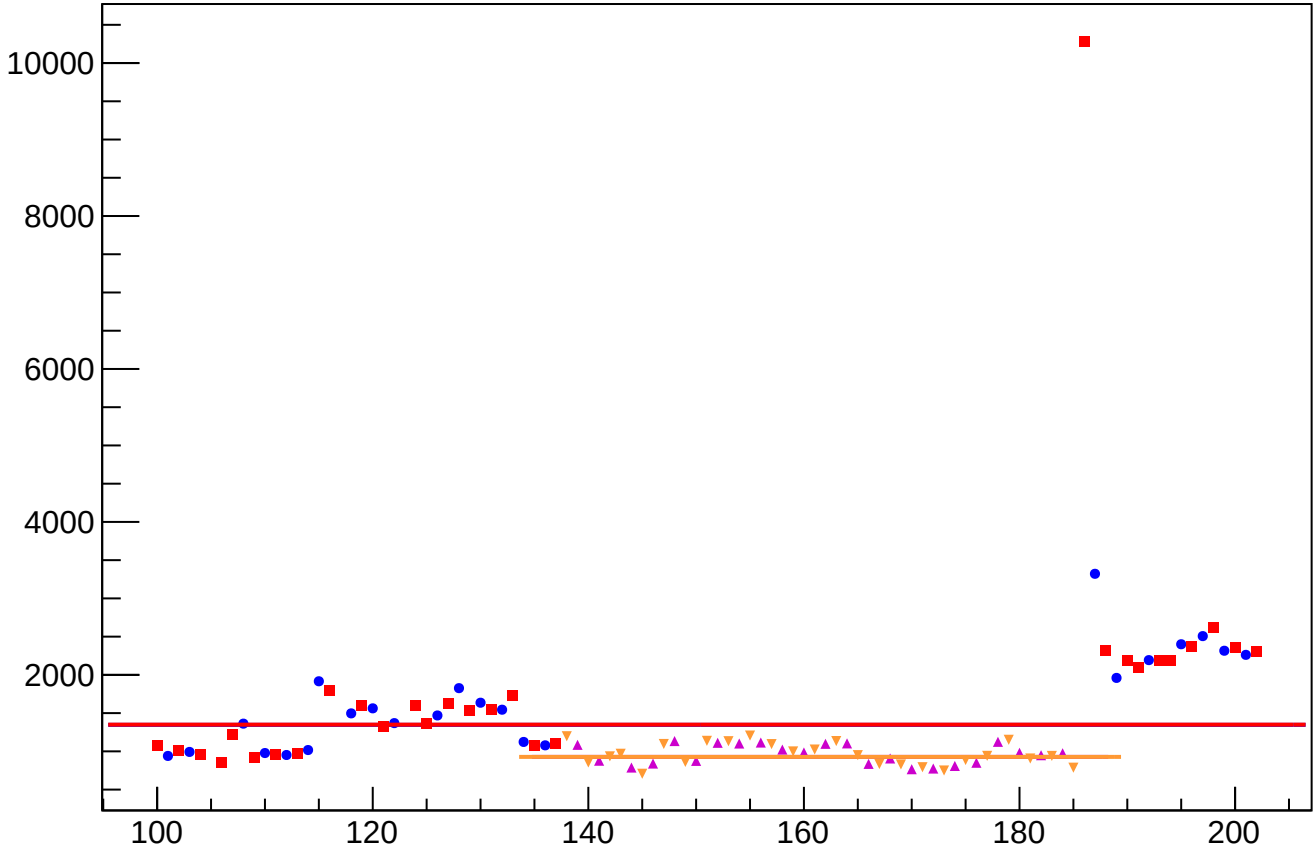
Right: -267.079+/-280.000 χ^2/NDF: 61.3/51

In: 239.897+/-193.253 χ^2/NDF:55.7/45

Out: 688.867+/-186.844 χ^2/NDF:98.9/53

All: 471.950+/-134.327 χ^2/NDF: 157.4/99

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1346.329+/-0.289 χ^2/NDF: 2796186.3/22

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1349.144+/-0.272 χ^2/NDF: 4226472.8/28

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

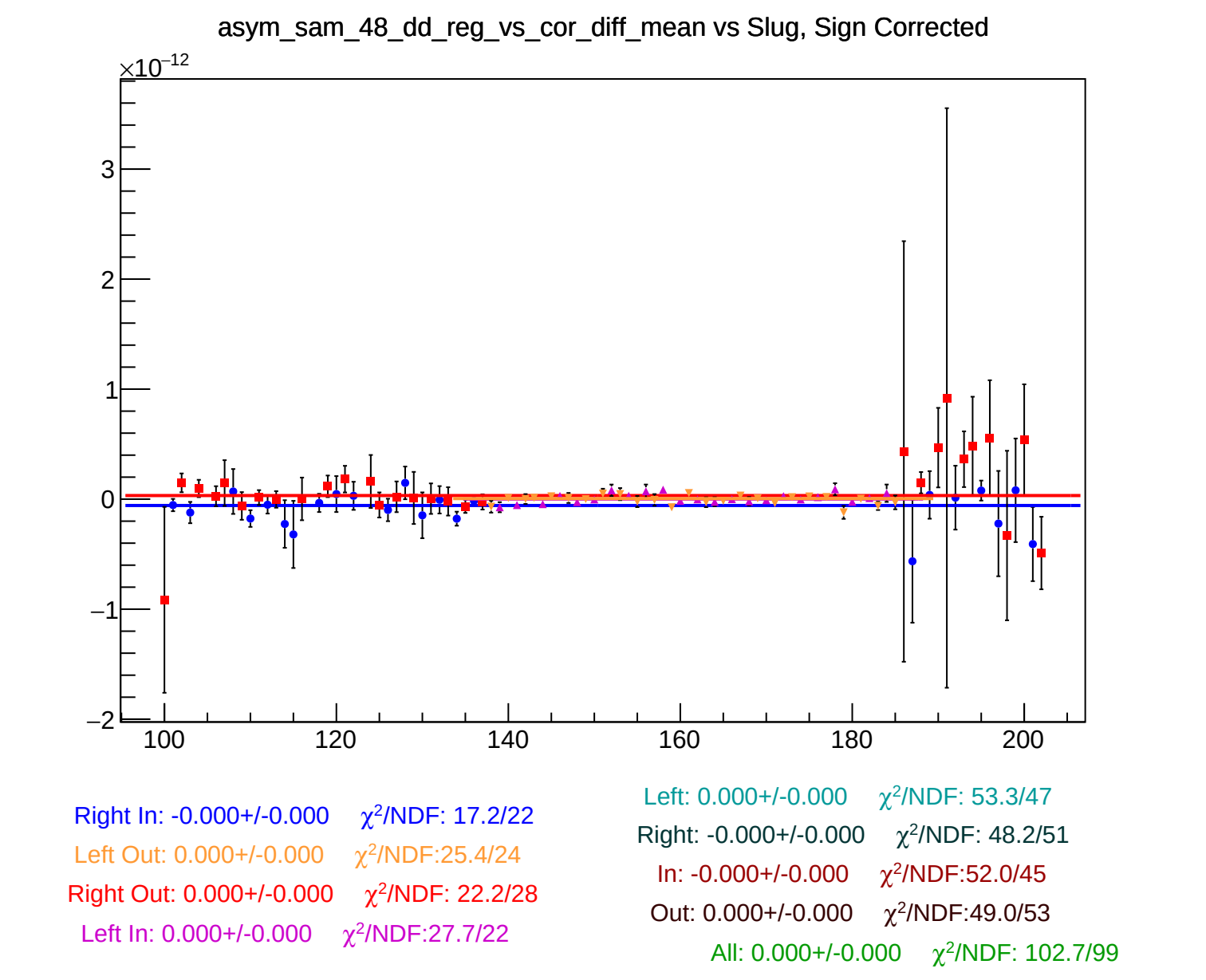
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

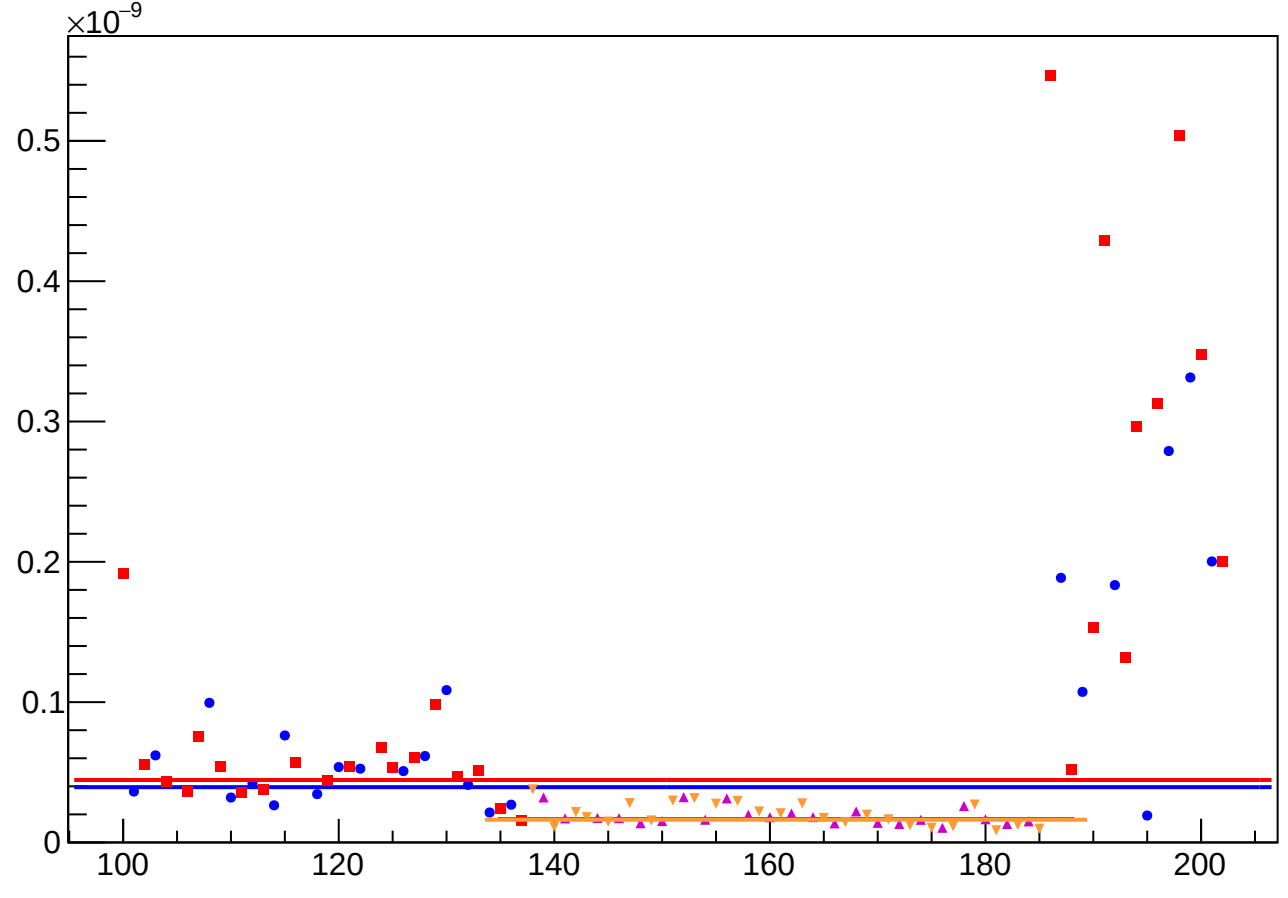
Right: 1347.824+/-0.198 χ^2/NDF: 7022709.4/51

In: 1020.878+/-0.137 χ^2/NDF:5083303.7/45

Out: 1027.332+/-0.132 χ^2/NDF:6940102.0/53

All: 1024.214+/-0.095 χ^2/NDF: 12024558.3/9


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
Right In: -0.000+/-0.000 χ²/NDF: 17.2/22
Left Out: 0.000+/-0.000 χ²/NDF:25.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.2/28
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: 48.2/51
In: -0.000+/-0.000 χ²/NDF:52.0/45
Out: 0.000+/-0.000 χ²/NDF:49.0/53
All: 0.000+/-0.000 χ²/NDF: 102.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 3674947.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4626361.7/28

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

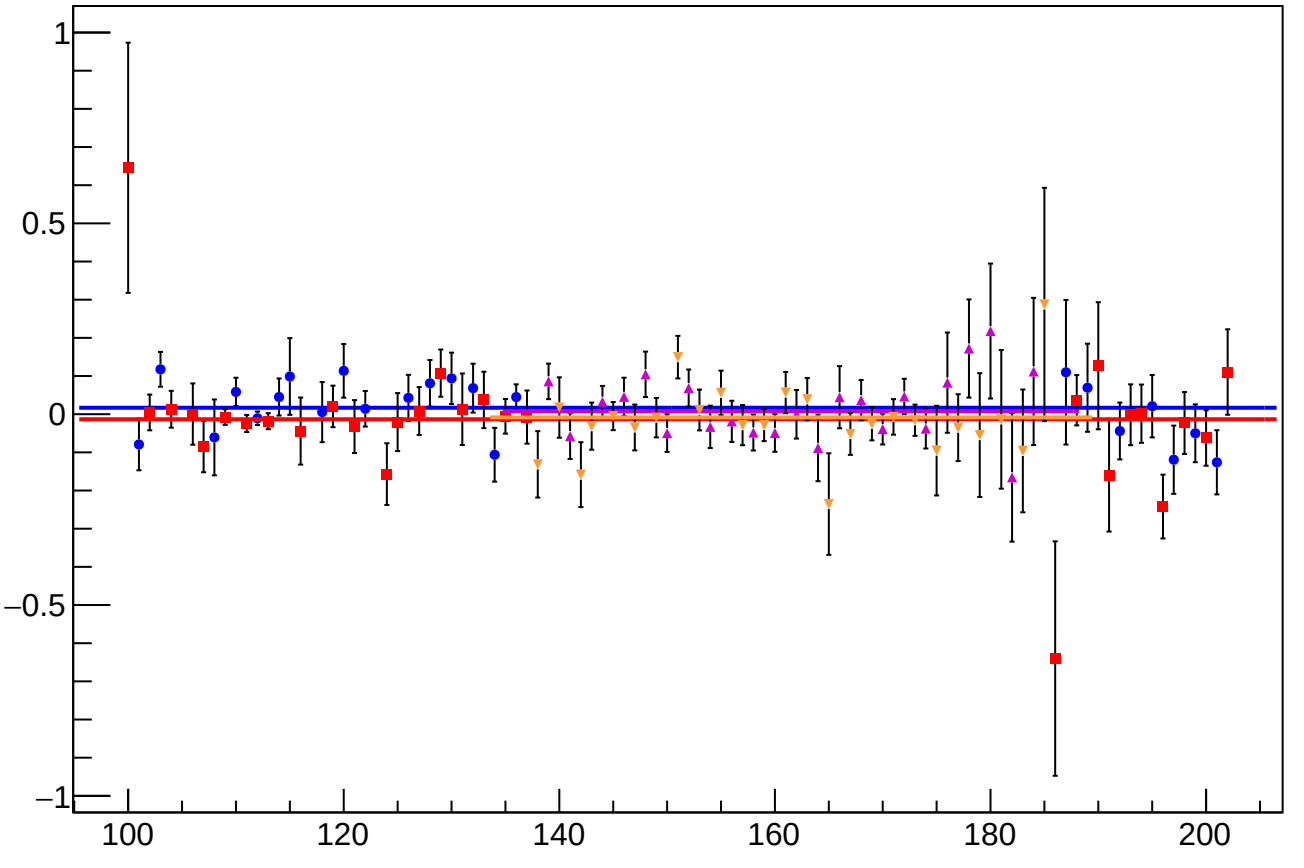
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8357342.5/51

In: 0.000+/-0.000 χ^2/NDF:6728634.6/45

Out: 0.000+/-0.000 χ^2/NDF:9636895.1/53

All: 0.000+/-0.000 χ^2/NDF: 16370963.3/99



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 30.0/28

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

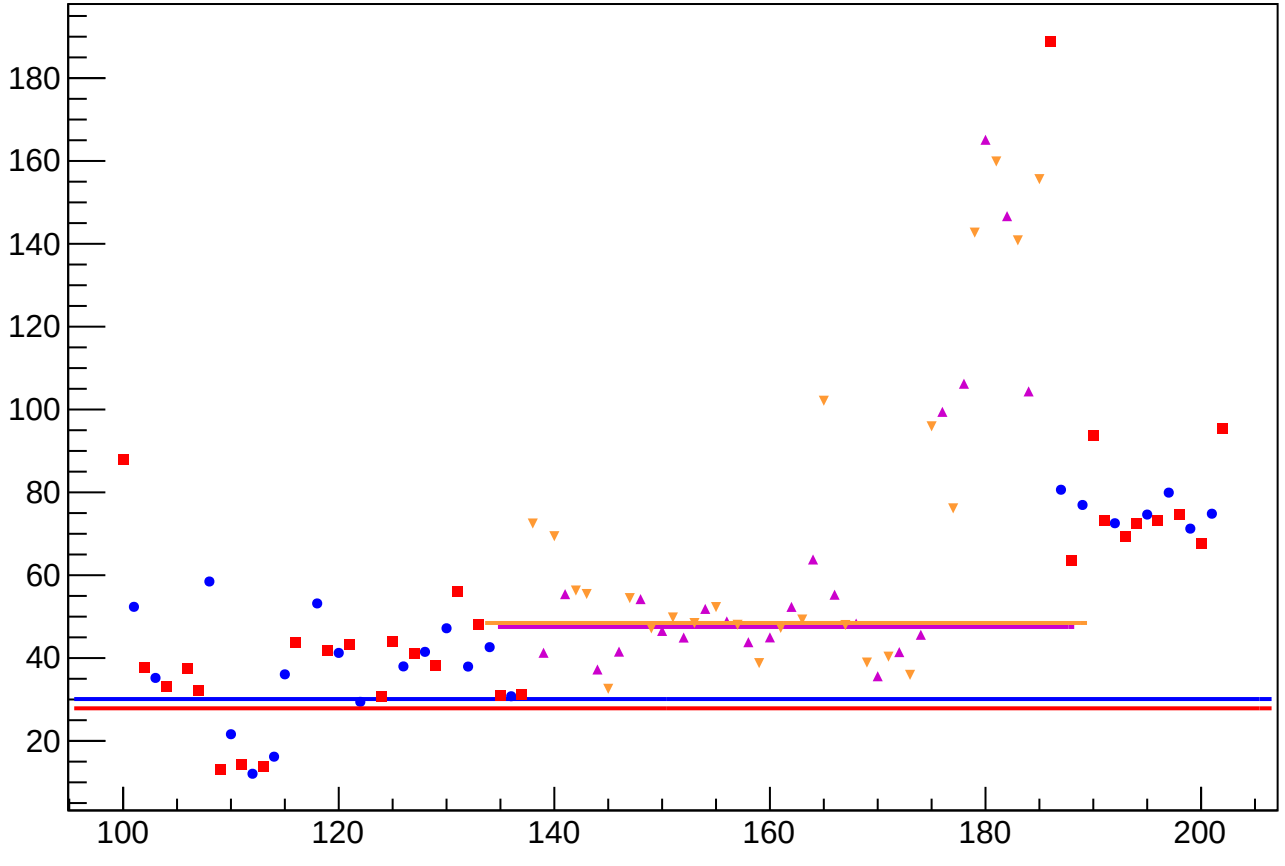
Right: -0.000+/-0.007 χ^2/NDF: 62.8/51

In: 0.013+/-0.008 χ^2/NDF:51.8/45

Out: -0.011+/-0.007 χ^2/NDF:53.3/53

All: -0.000+/-0.005 χ^2/NDF: 110.1/99

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.108+/-0.007 χ^2/NDF: 6788537.9/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 27.868+/-0.007 χ^2/NDF: 9169156.8/28

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

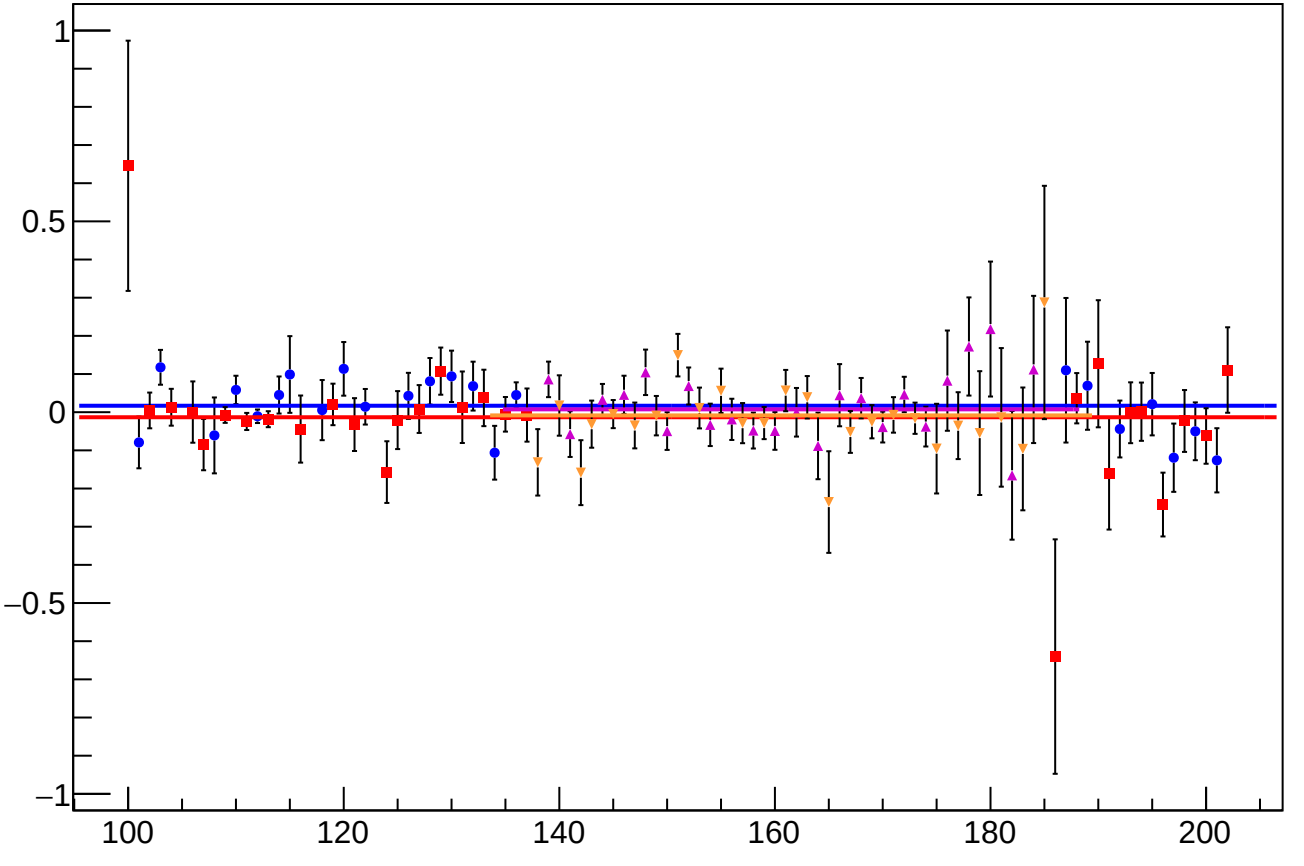
Right: 28.847+/-0.005 χ^2/NDF: 16008694.4/51

In: 37.645+/-0.006 χ^2/NDF:12233457.8/45

Out: 35.567+/-0.005 χ^2/NDF:17231118.1/53

All: 36.527+/-0.004 χ^2/NDF: 29538651.6/99

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 30.0/28

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

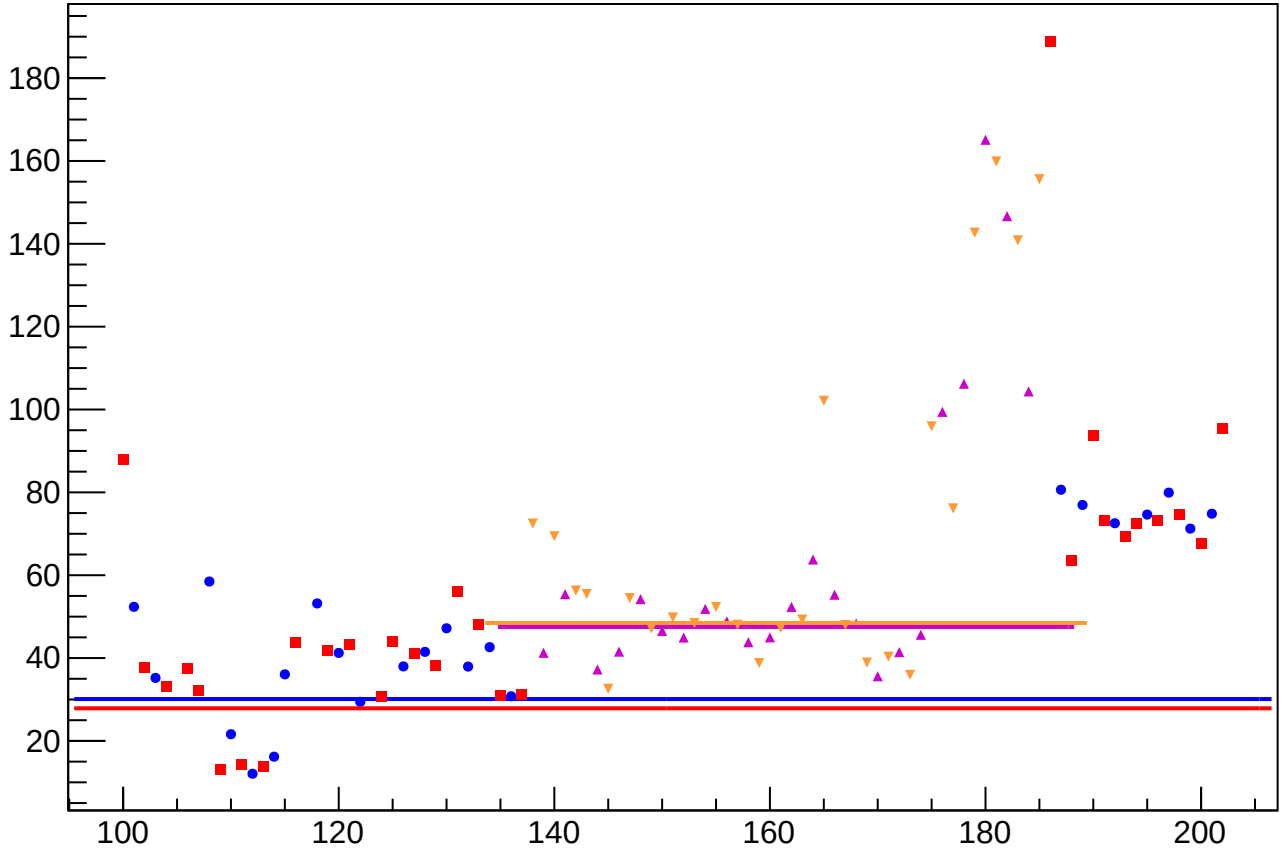
Right: -0.000+/-0.007 χ^2/NDF: 62.8/51

In: 0.013+/-0.008 χ^2/NDF:51.8/45

Out: -0.011+/-0.007 χ^2/NDF:53.3/53

All: -0.000+/-0.005 χ^2/NDF: 110.1/99

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.108+/-0.007 χ^2/NDF: 6788537.9/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 27.868+/-0.007 χ^2/NDF: 9169156.8/28

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

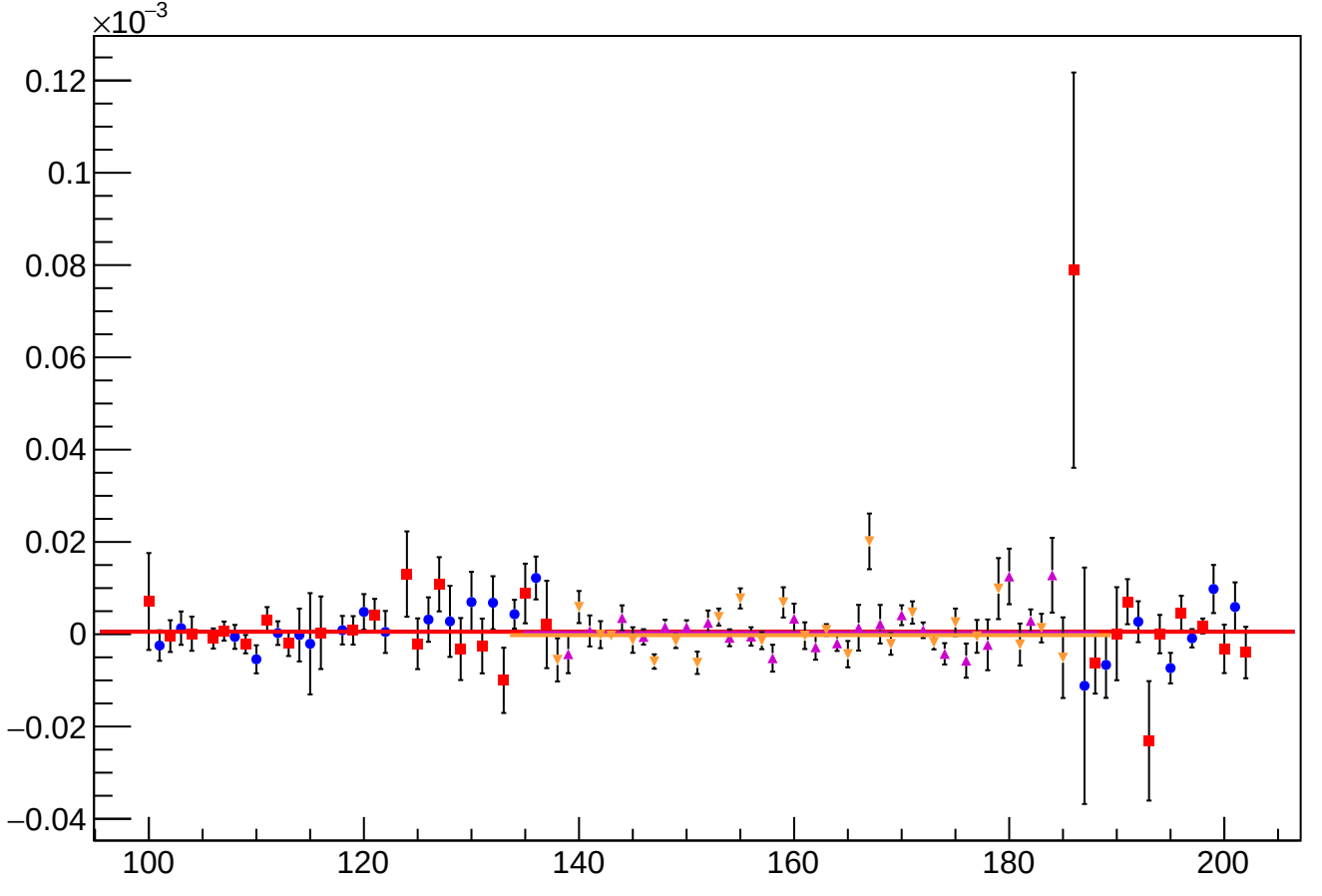
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 28.847+/-0.005 χ^2/NDF: 16008694.4/51

In: 37.645+/-0.006 χ^2/NDF:12233457.8/45

Out: 35.567+/-0.005 χ^2/NDF:17231118.1/53

All: 36.527+/-0.004 χ^2/NDF: 29538651.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/28

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

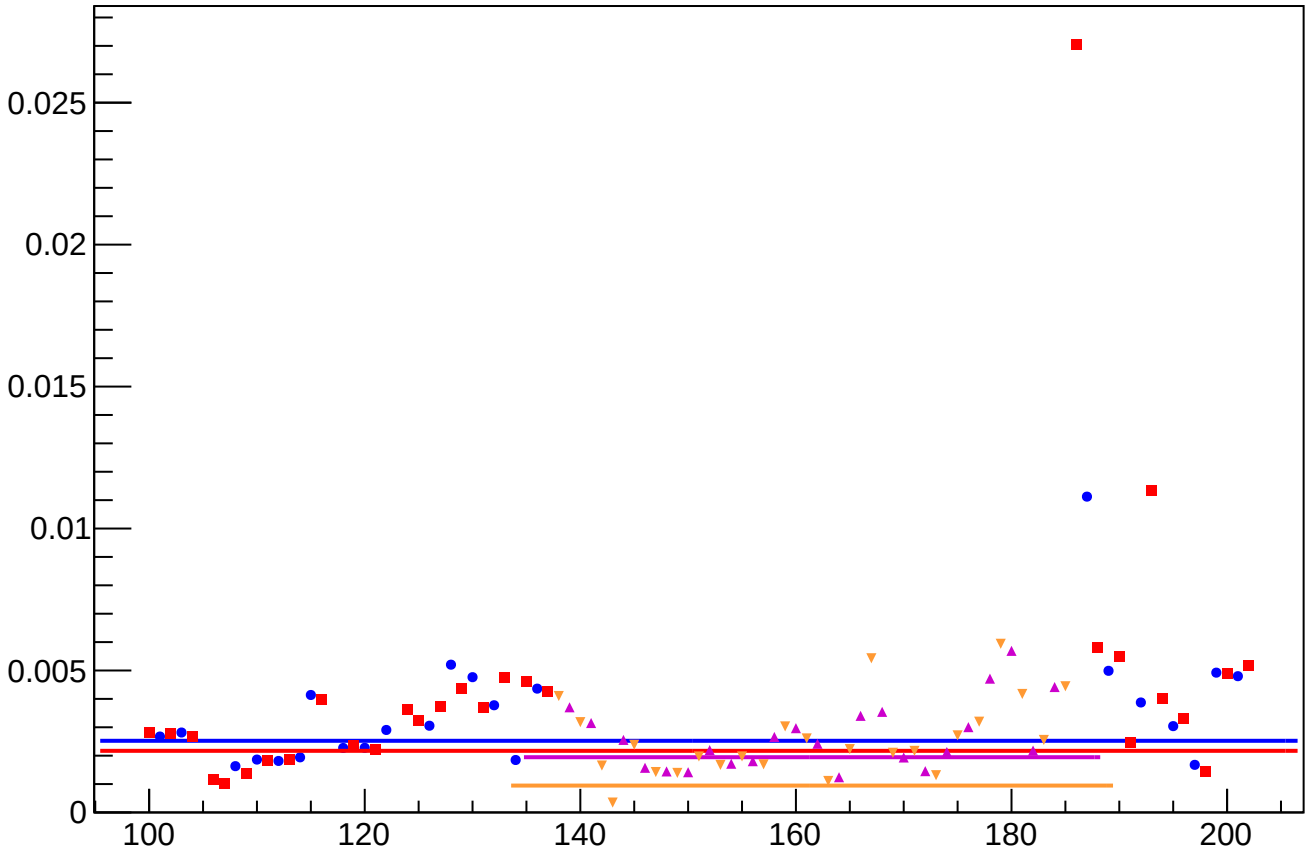
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 56.1/51

In: 0.000+/-0.000 χ^2/NDF:59.4/45

Out: -0.000+/-0.000 χ^2/NDF:100.4/53

All: 0.000+/-0.000 χ^2/NDF: 160.4/99



Right In: 0.003+/-0.000 χ^2/NDF: 3450551.2/22

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7507196.7/28

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

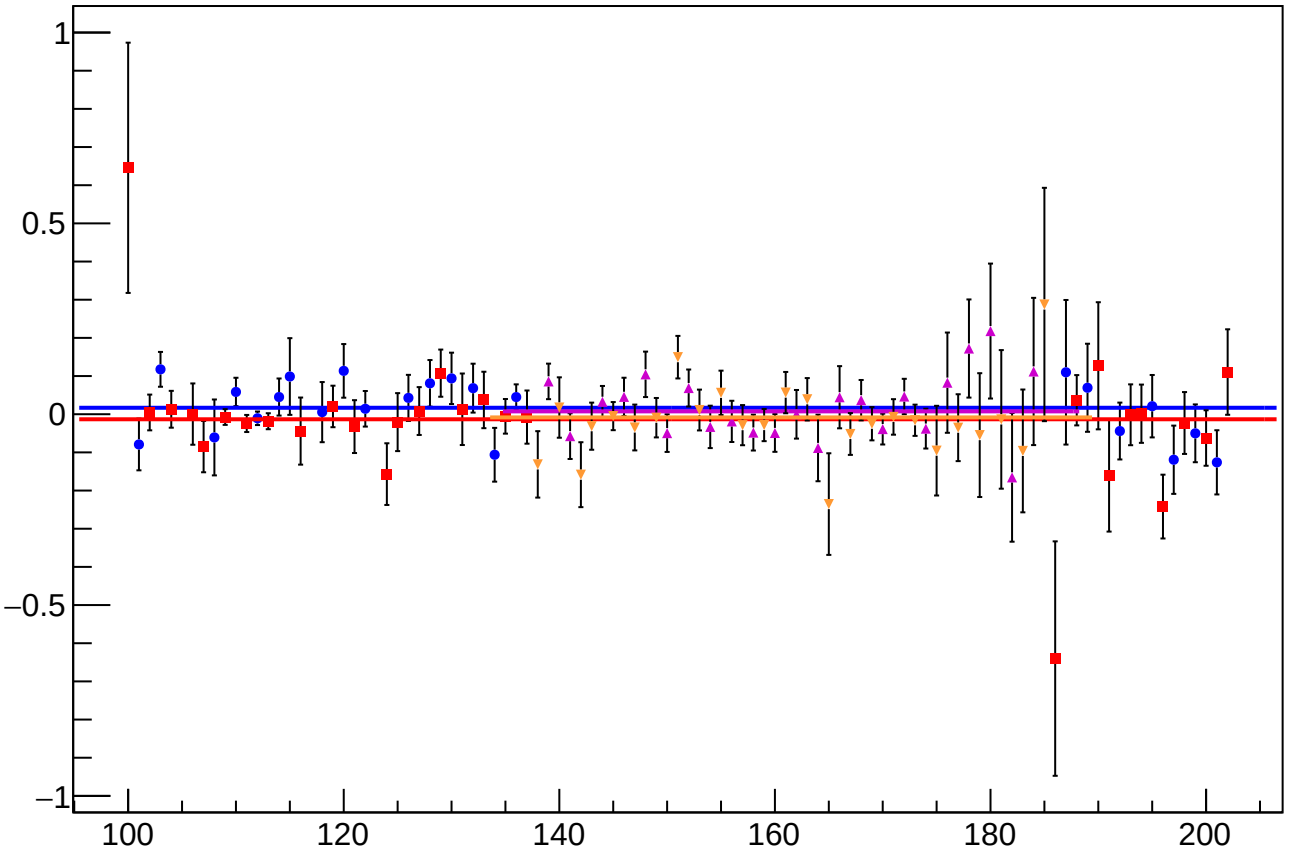
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 11186754.1/51

In: 0.002+/-0.000 χ^2/NDF:8574767.2/45

Out: 0.001+/-0.000 χ^2/NDF:30554489.7/53

All: 0.001+/-0.000 χ^2/NDF: 46409983.4/99



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 30.0/28

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

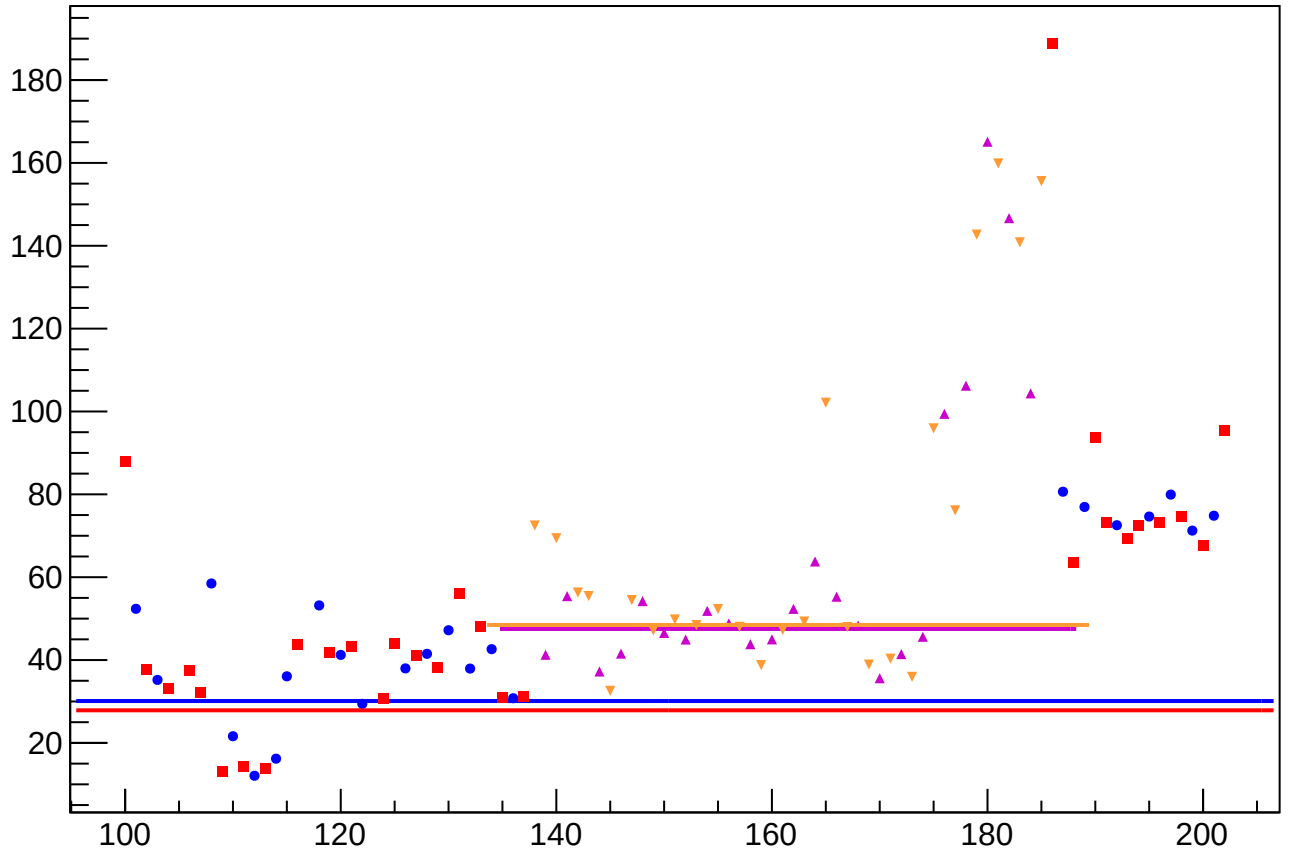
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.000+/-0.007 χ^2/NDF: 62.8/51

In: 0.013+/-0.008 χ^2/NDF:51.8/45

Out: -0.011+/-0.007 χ^2/NDF:53.3/53

All: -0.000+/-0.005 χ^2/NDF: 110.1/99



Right In: 30.106+/-0.007 χ^2/NDF: 6789136.3/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 27.868+/-0.007 χ^2/NDF: 9169375.2/28

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

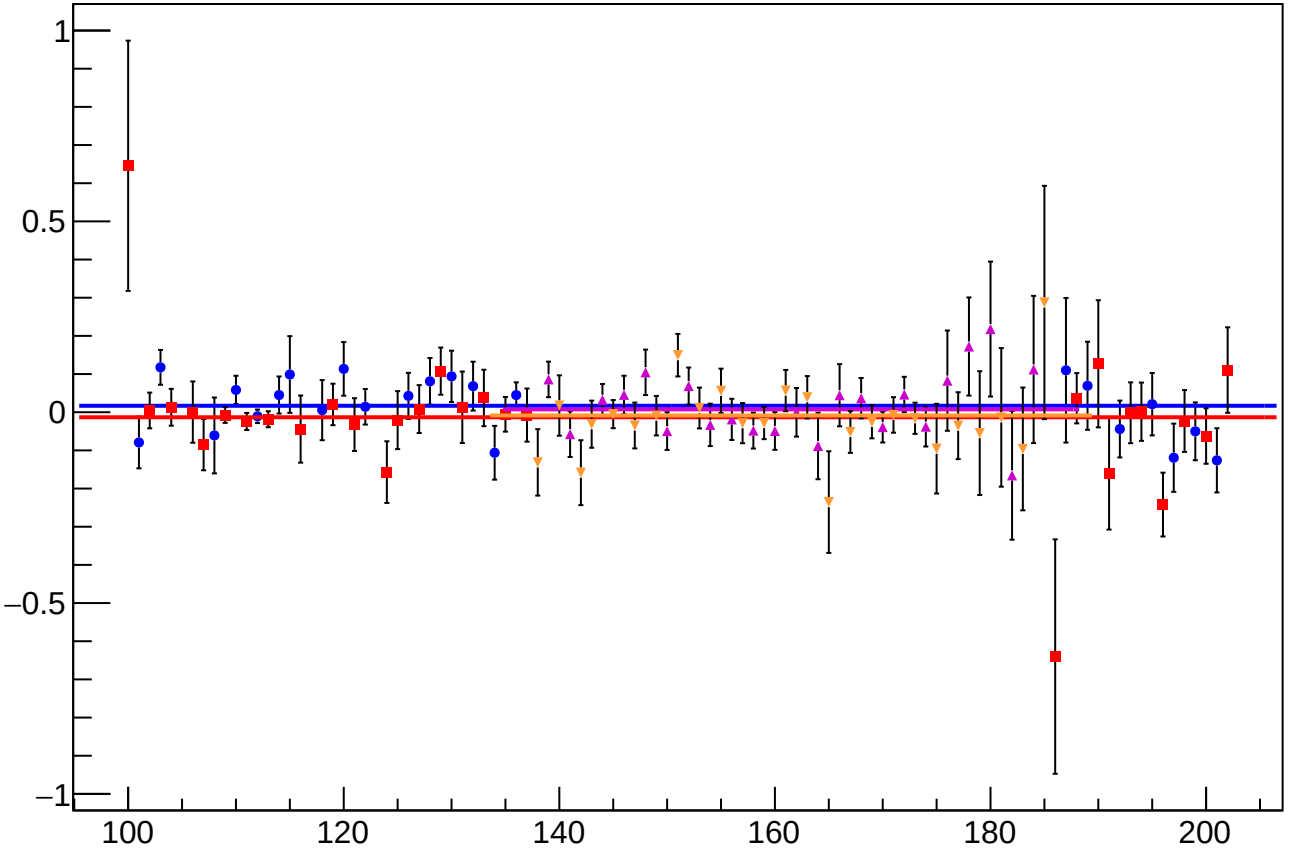
Right: 28.847+/-0.005 χ^2/NDF: 16009464.1/51

In: 37.644+/-0.006 χ^2/NDF:12234522.4/45

Out: 35.567+/-0.005 χ^2/NDF:17231522.0/53

All: 36.527+/-0.004 χ^2/NDF: 29540068.3/99

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 30.0/28

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

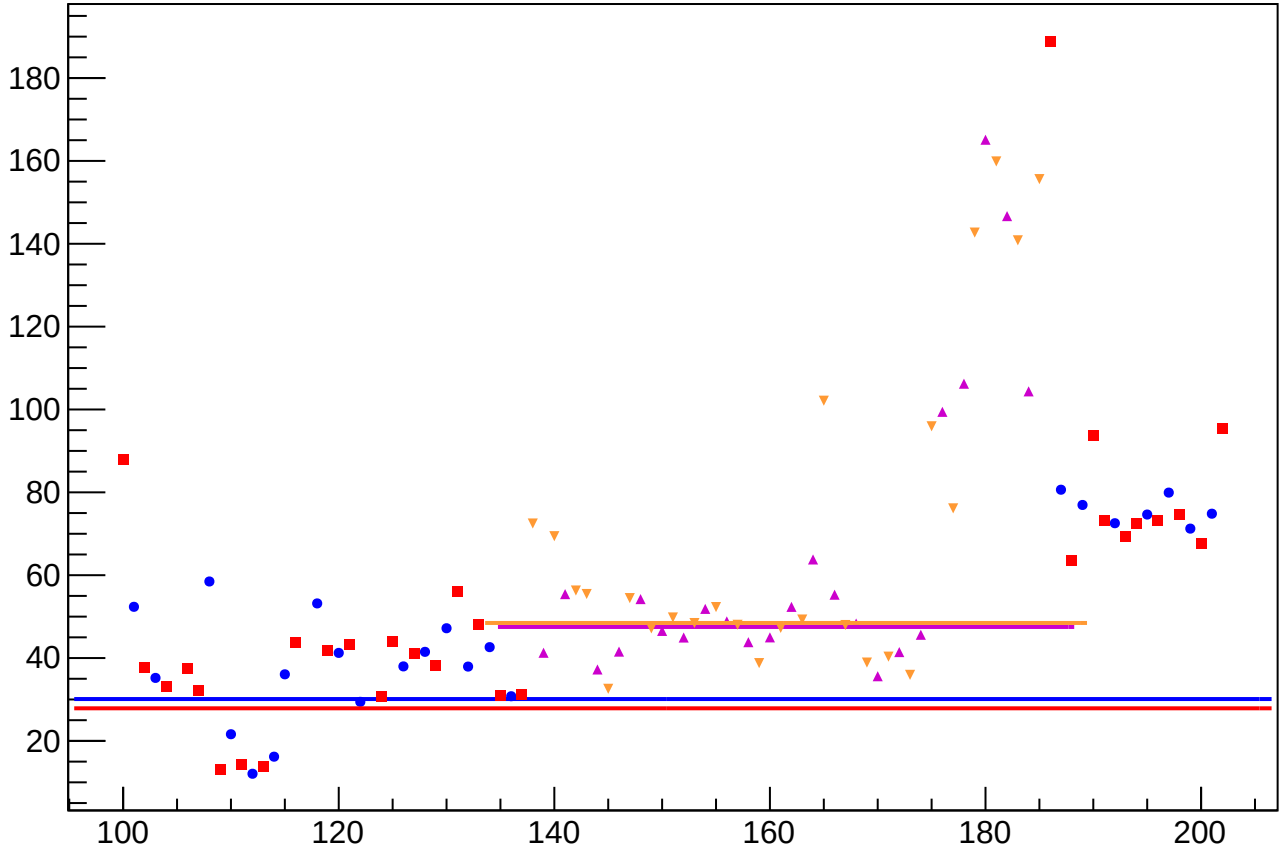
Right: -0.000+/-0.007 χ^2/NDF: 62.8/51

In: 0.013+/-0.008 χ^2/NDF:51.8/45

Out: -0.011+/-0.007 χ^2/NDF:53.3/53

All: -0.000+/-0.005 χ^2/NDF: 110.1/99

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.106+/-0.007 χ^2/NDF: 6789136.3/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 27.868+/-0.007 χ^2/NDF: 9169375.2/28

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

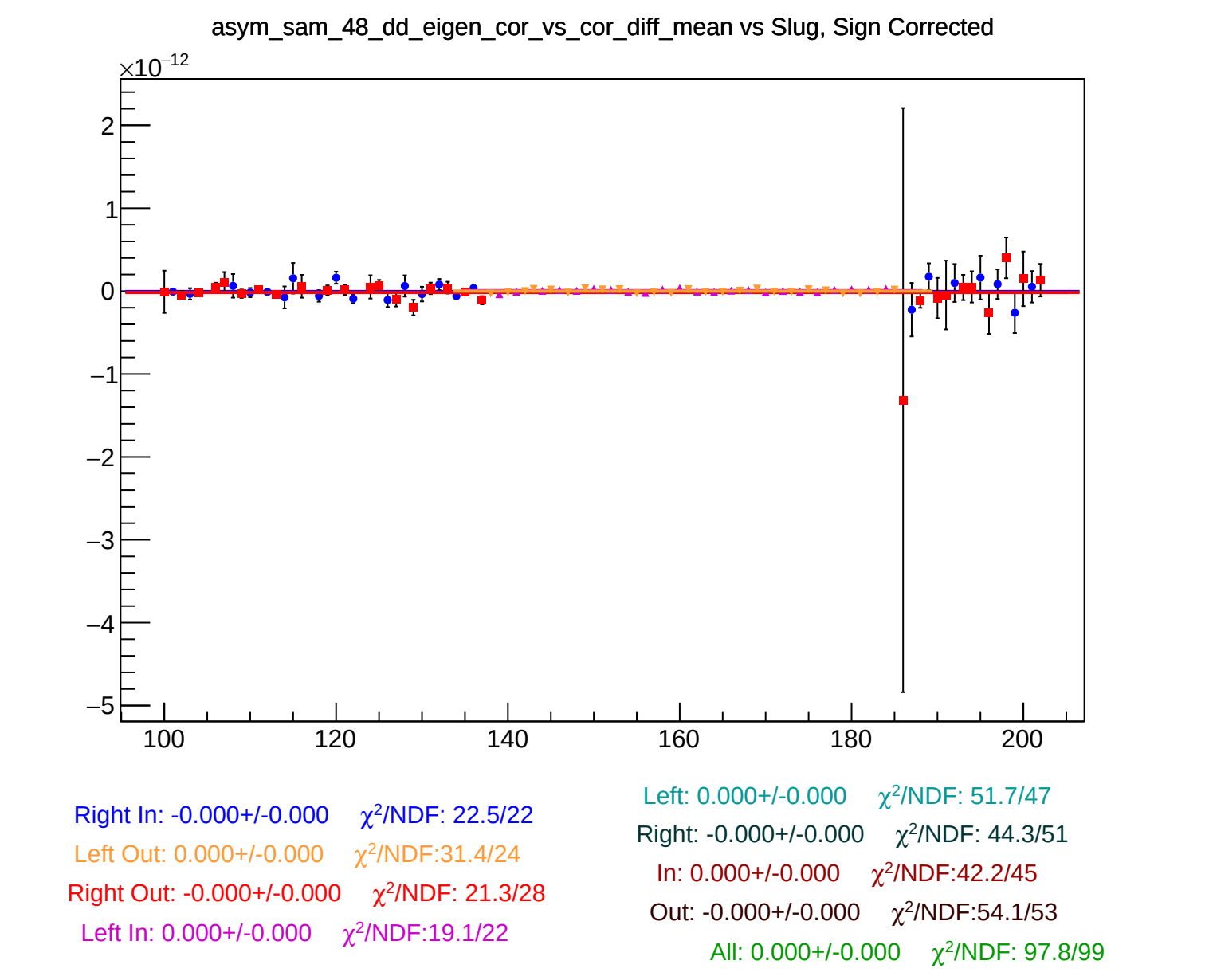
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

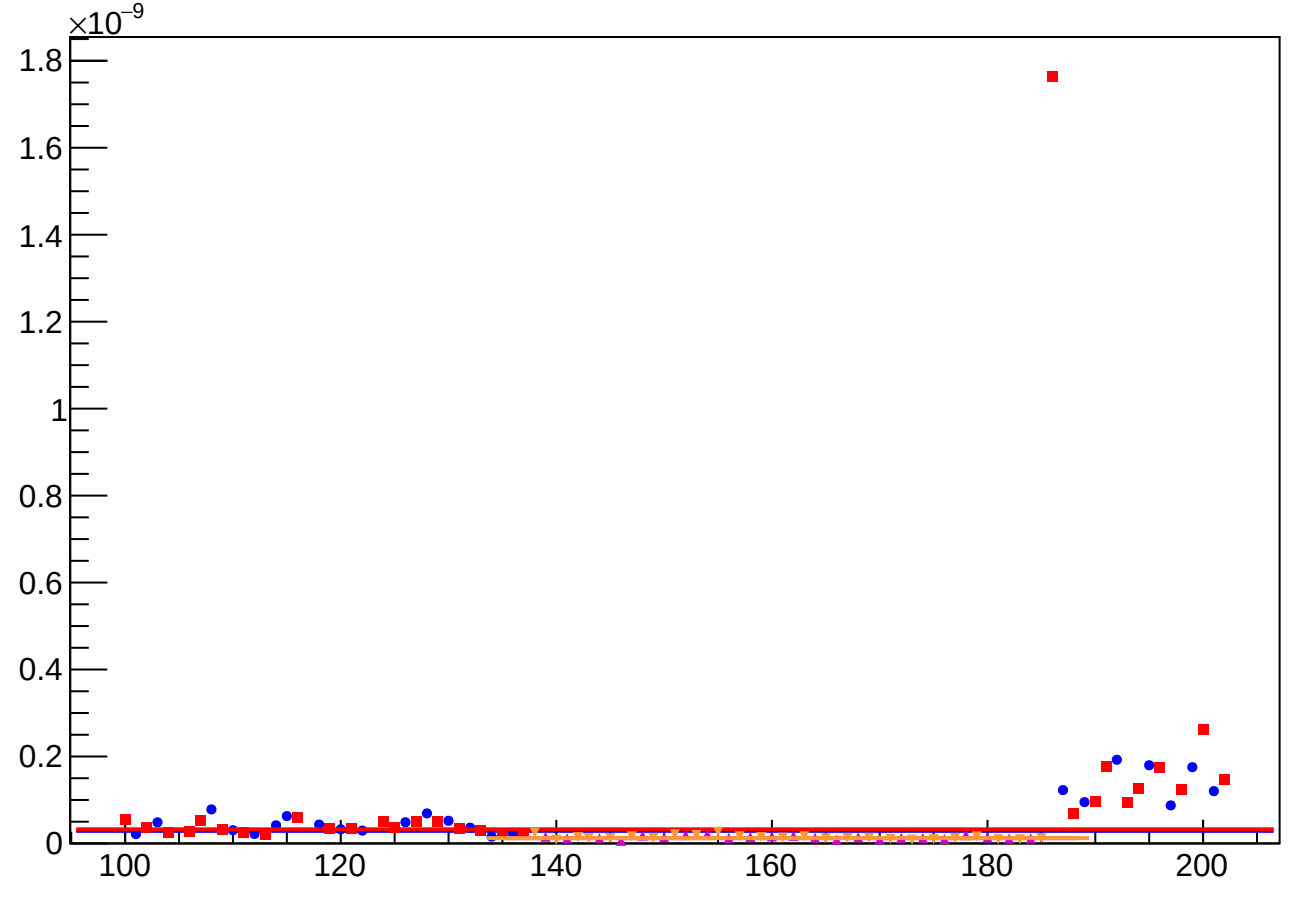
Right: 28.847+/-0.005 χ^2/NDF: 16009464.1/51

In: 37.644+/-0.006 χ^2/NDF:12234522.4/45

Out: 35.567+/-0.005 χ^2/NDF:17231522.0/53

All: 36.527+/-0.004 χ^2/NDF: 29540068.3/99


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.5/22
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.3/28
Left In: 0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 51.7/47
Right: -0.000+/-0.000 χ²/NDF: 44.3/51
In: 0.000+/-0.000 χ²/NDF:42.2/45
Out: -0.000+/-0.000 χ²/NDF:54.1/53
All: 0.000+/-0.000 χ²/NDF: 97.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 5348993.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5625605.9/28

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

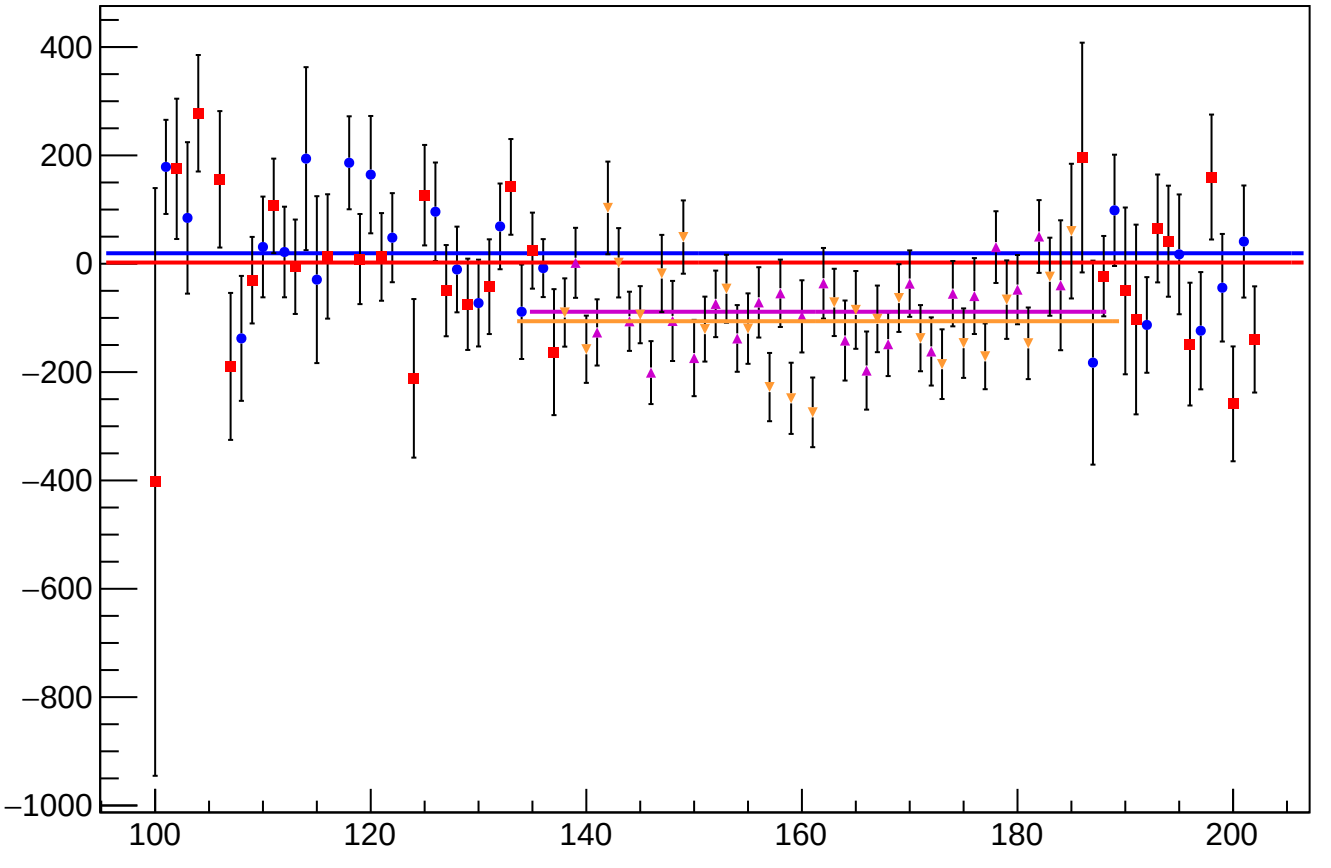
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11045853.3/51

In: 0.000+/-0.000 χ^2/NDF:10599112.3/45

Out: 0.000+/-0.000 χ^2/NDF:12068668.4/53

All: 0.000+/-0.000 χ^2/NDF: 22669293.8/99



Right In: 19.354+/-19.410 χ^2/NDF: 22.9/22

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 2.212+/-18.693 χ^2/NDF: 37.8/28

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

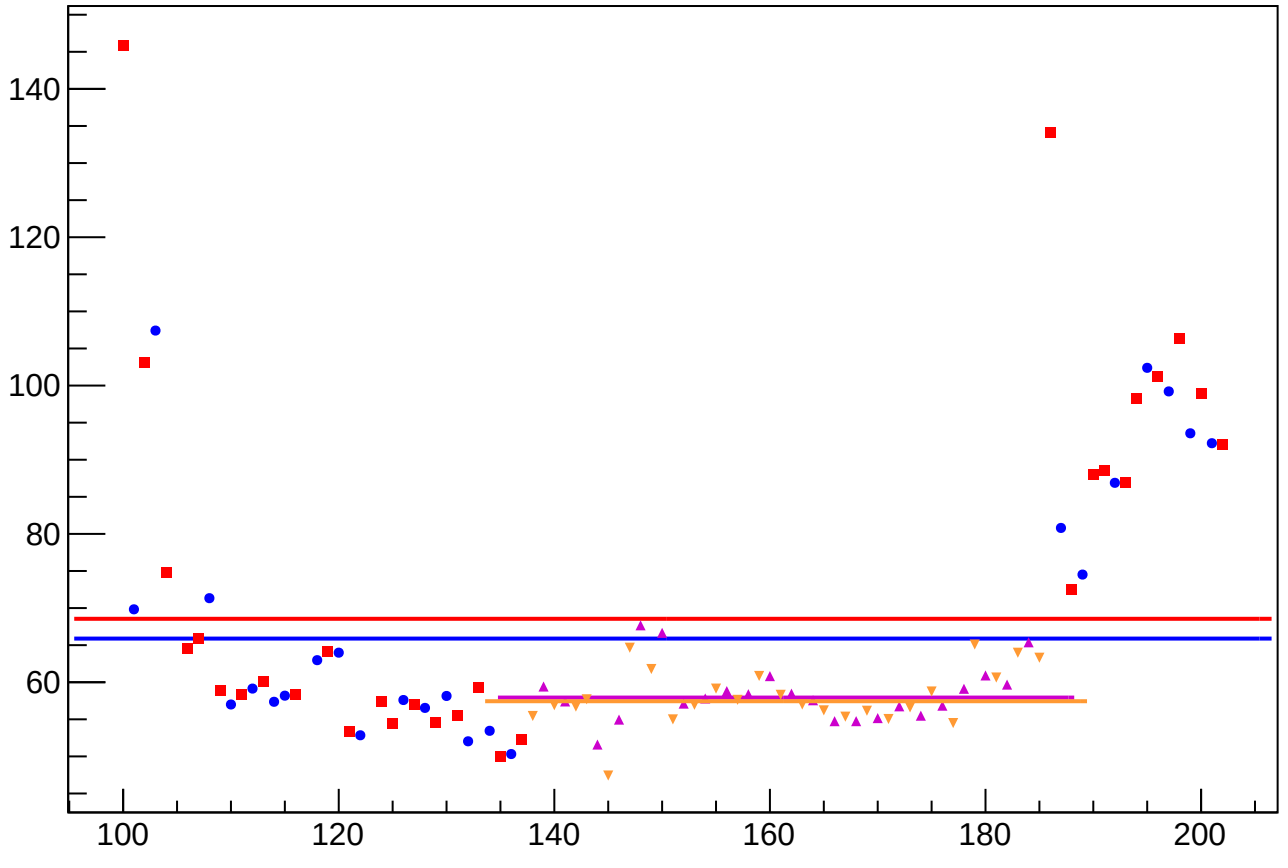
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 10.461+/-13.464 χ^2/NDF: 61.1/51

In: -53.183+/-11.119 χ^2/NDF:67.6/45

Out: -70.467+/-10.722 χ^2/NDF:101.0/53

All: -62.139+/-7.718 χ^2/NDF: 169.9/99



Right In: 65.886+/-0.014 χ^2/NDF: 1446611.7/22

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.554+/-0.013 χ^2/NDF: 1907923.1/28

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

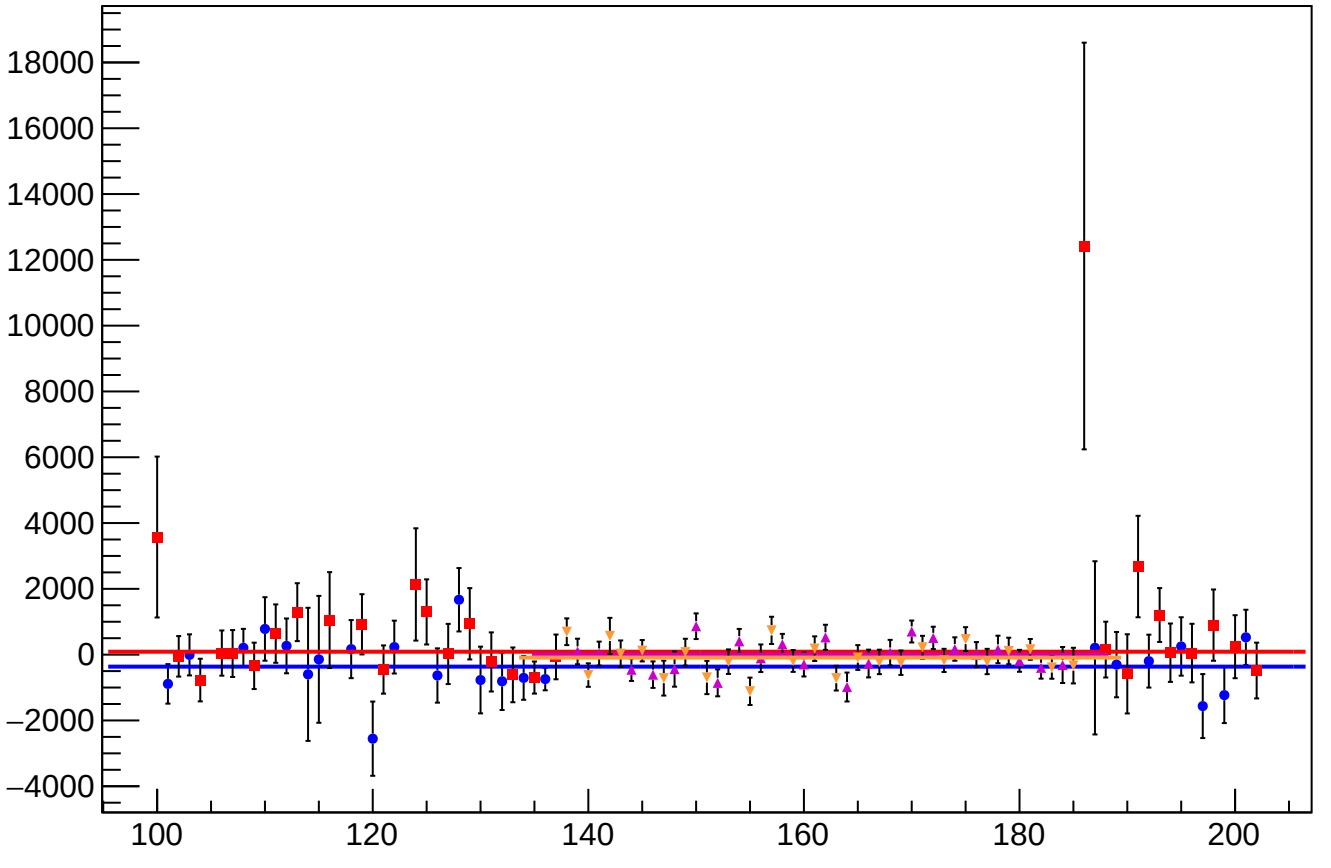
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 67.270+/-0.010 χ^2/NDF: 3374130.2/51

In: 60.543+/-0.008 χ^2/NDF:1808126.1/45

Out: 61.096+/-0.008 χ^2/NDF:2556803.5/53

All: 60.830+/-0.005 χ^2/NDF: 4367496.2/99



Right In: -364.560+/-161.172 χ^2/NDF: 19.5/22

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 88.951+/-158.670 χ^2/NDF: 25.3/28

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

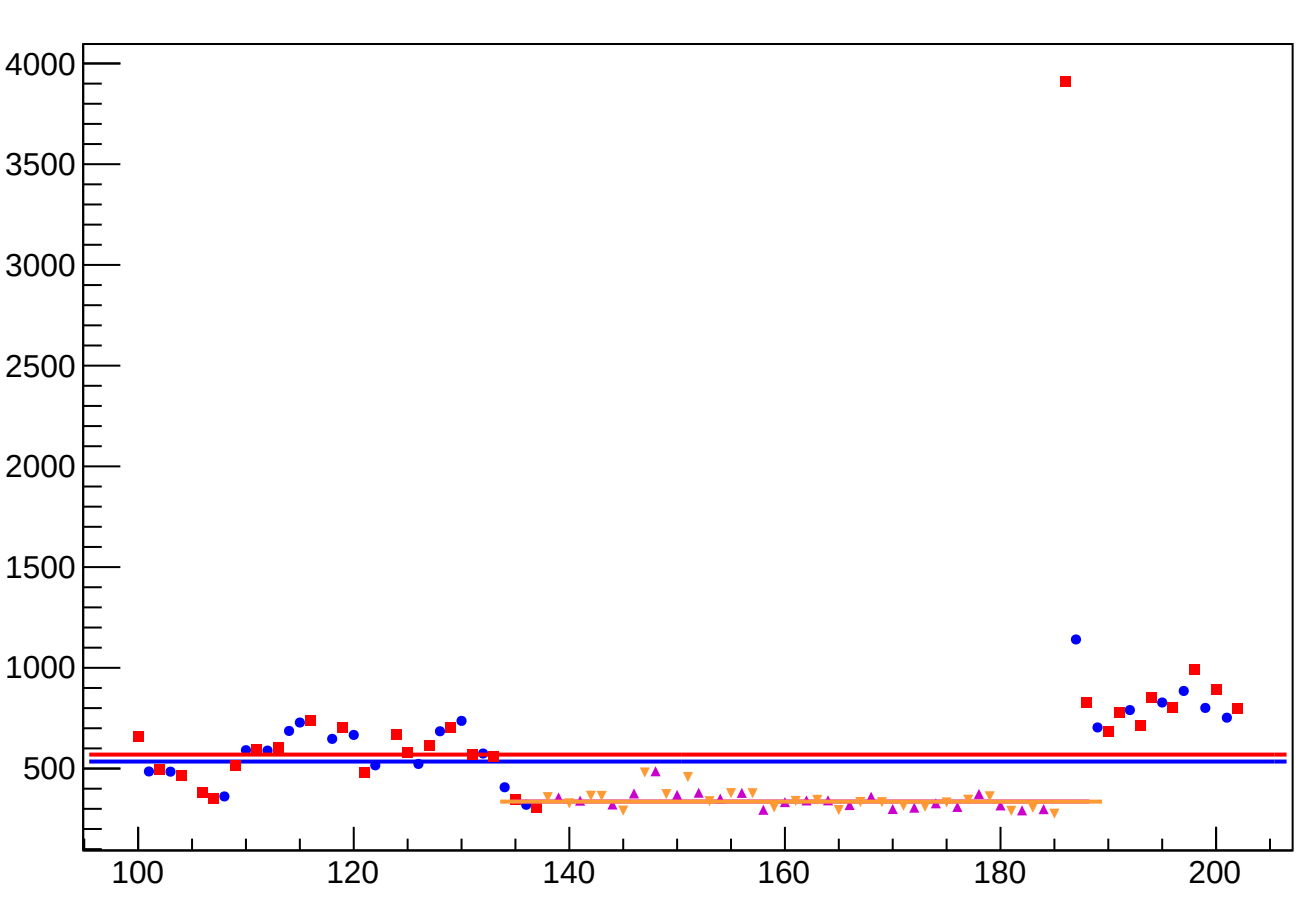
Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

Right: -134.256+/-113.071 χ^2/NDF: 48.8/51

In: -73.352+/-71.077 χ^2/NDF:57.1/45

Out: -55.120+/-69.282 χ^2/NDF:56.3/53

All: -64.003+/-49.612 χ^2/NDF: 113.4/99



Right In: 534.744+/-0.114 χ^2/NDF: 2486040.6/22

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 569.308+/-0.112 χ^2/NDF: 3202755.9/28

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

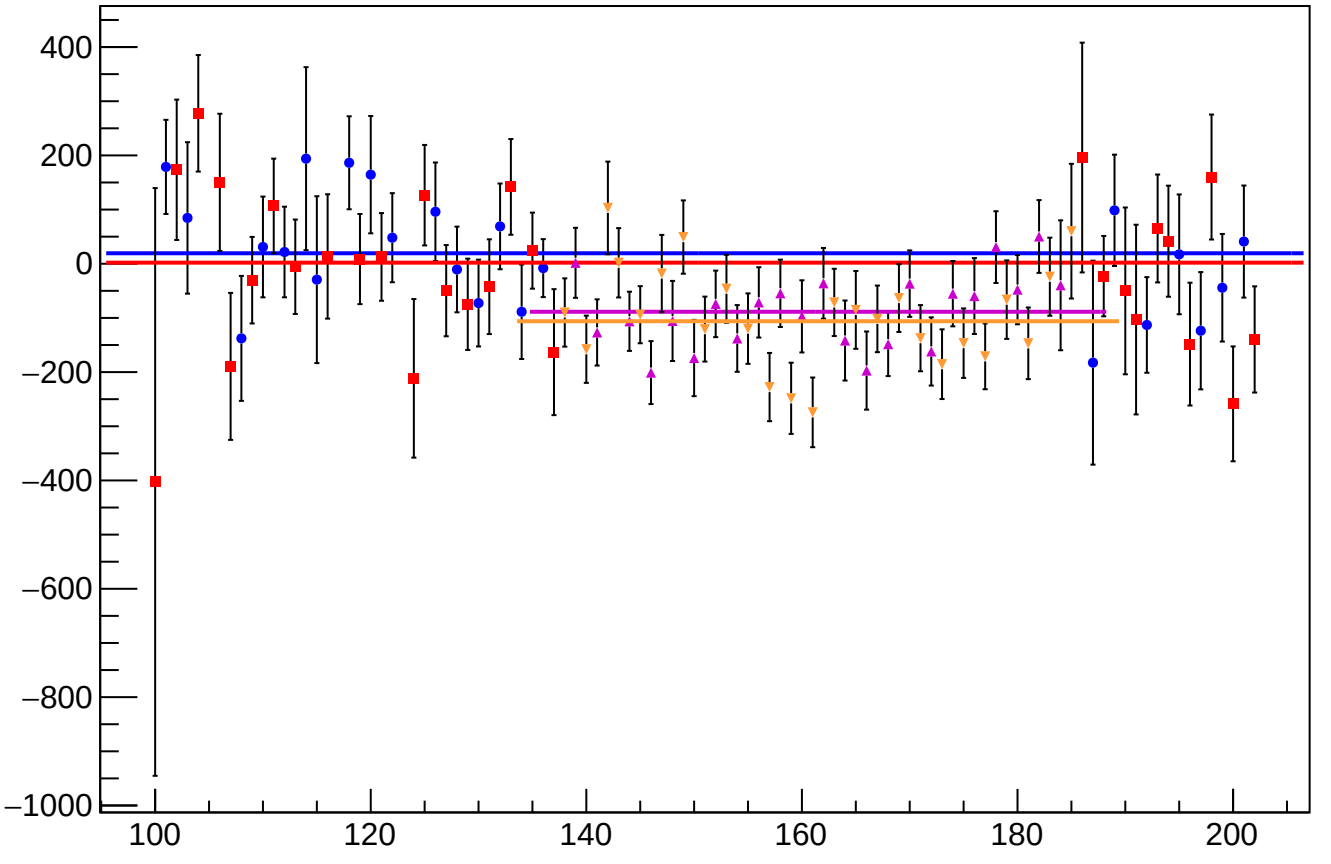
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 552.296+/-0.080 χ^2/NDF: 5735506.8/51

In: 374.928+/-0.050 χ^2/NDF:5341491.2/45

Out: 380.396+/-0.049 χ^2/NDF:7239485.9/53

All: 377.732+/-0.035 χ^2/NDF: 12587047.4/99



Right In: 19.351+/-19.410 χ^2/NDF: 22.9/22

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 2.011+/-18.696 χ^2/NDF: 37.7/28

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

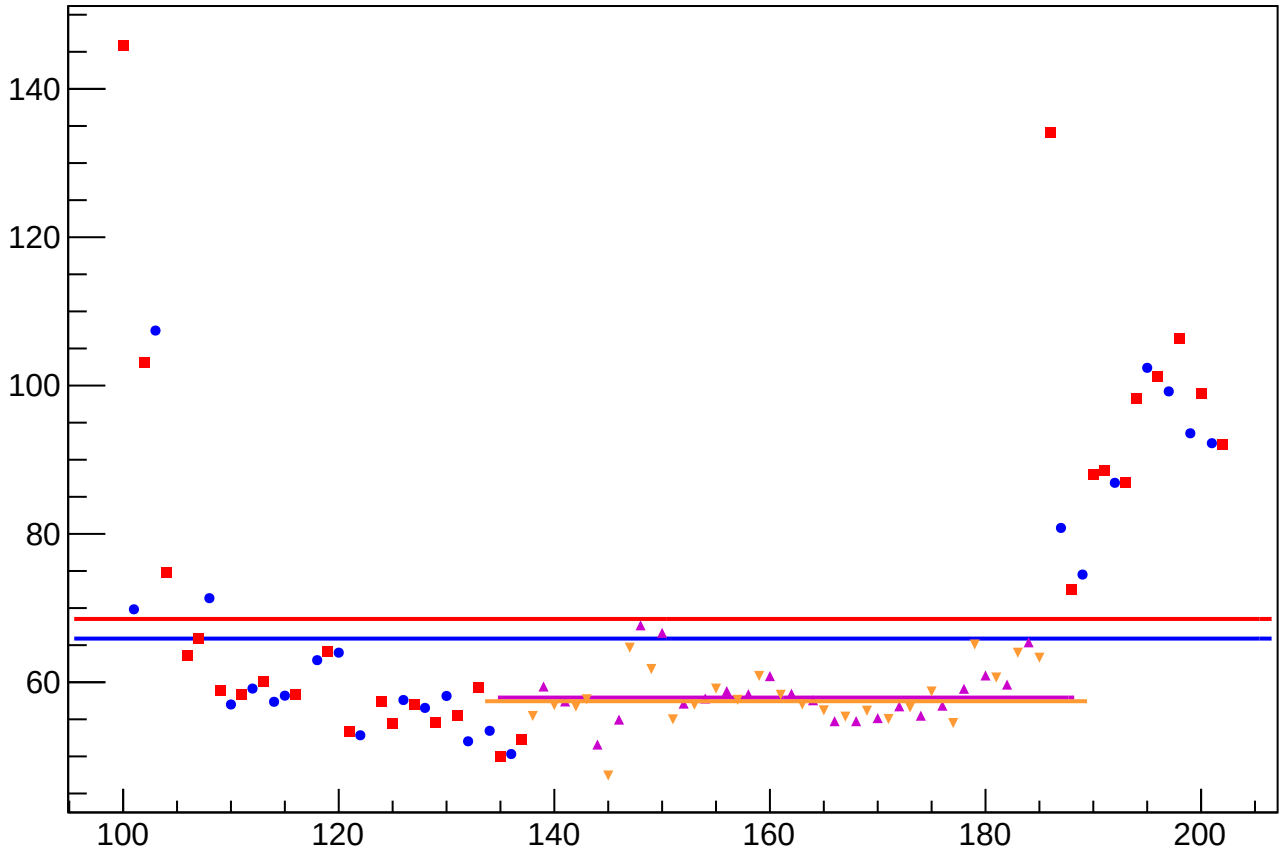
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 10.357+/-13.465 χ^2/NDF: 61.0/51

In: -53.186+/-11.119 χ^2/NDF:67.6/45

Out: -70.539+/-10.722 χ^2/NDF:100.8/53

All: -62.178+/-7.718 χ^2/NDF: 169.6/99



Right In: 65.886+/-0.014 χ^2/NDF: 1446613.7/22

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.533+/-0.013 χ^2/NDF: 1909206.1/28

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

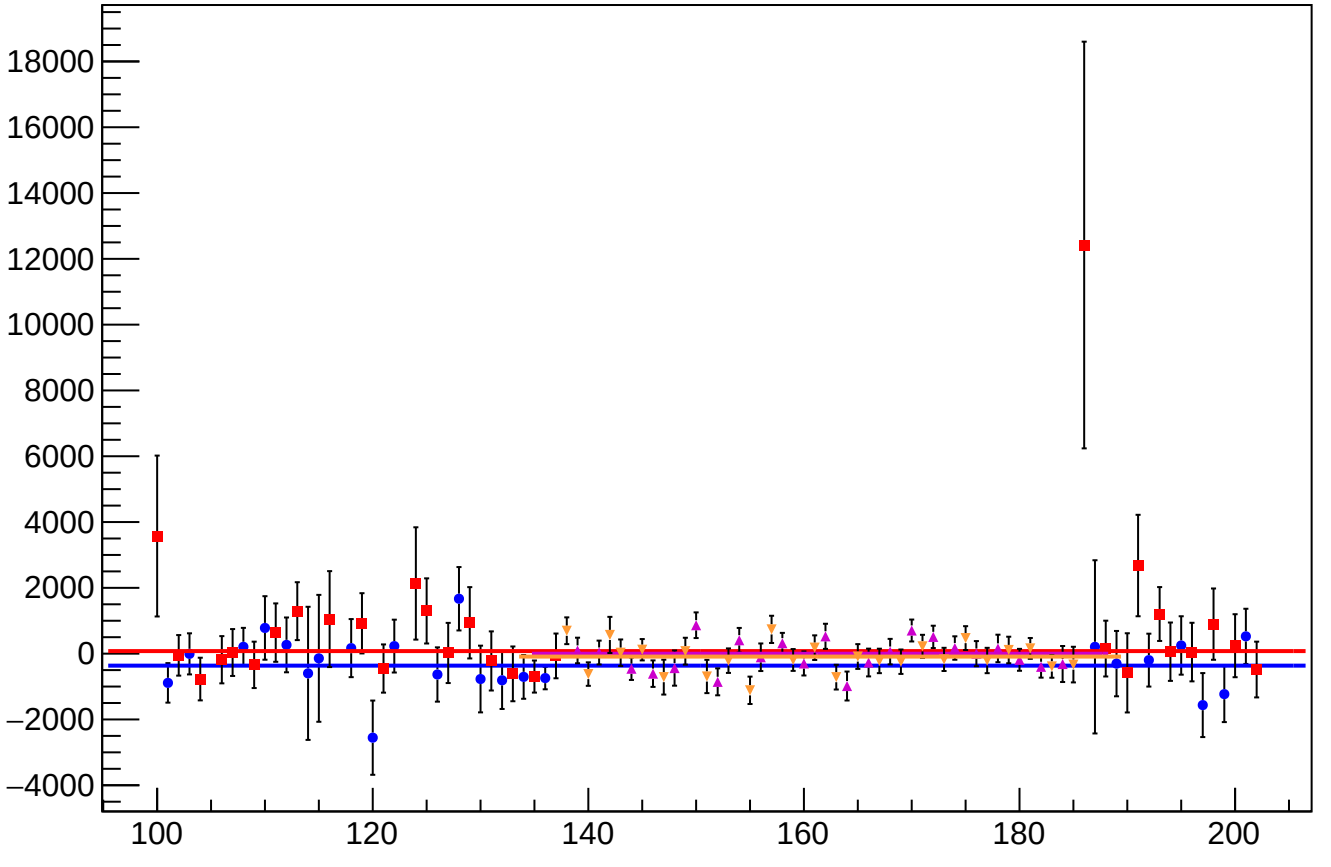
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 67.259+/-0.010 χ^2/NDF: 3375115.6/51

In: 60.543+/-0.008 χ^2/NDF:1808128.2/45

Out: 61.089+/-0.008 χ^2/NDF:2556273.1/53

All: 60.826+/-0.005 χ^2/NDF: 4366900.4/99



Right In: -364.531+/-161.173 χ^2/NDF: 19.5/22

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 77.732+/-159.037 χ^2/NDF: 25.5/28

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

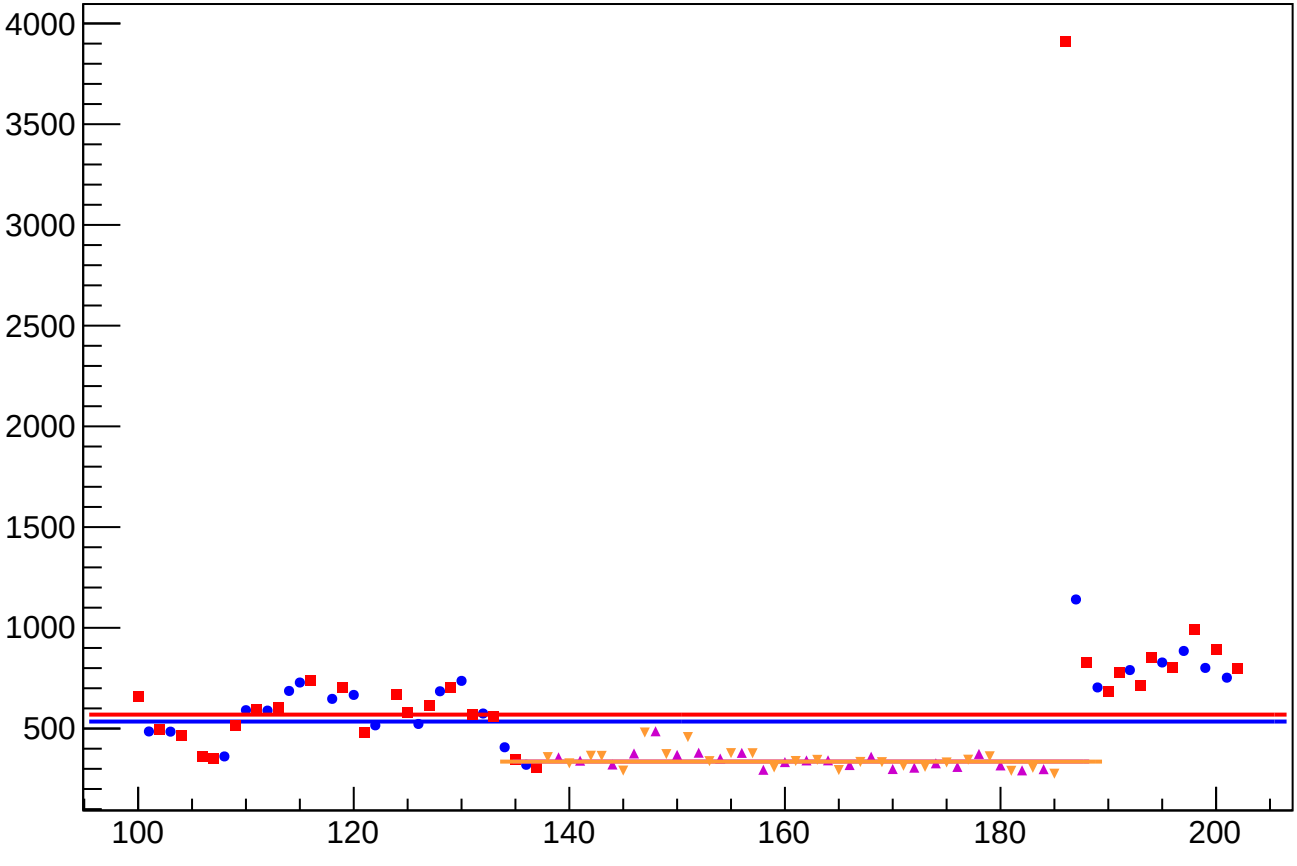
Right: -140.449+/-113.204 χ^2/NDF: 48.8/51

In: -73.348+/-71.077 χ^2/NDF:57.1/45

Out: -57.380+/-69.312 χ^2/NDF:56.3/53

All: -65.163+/-49.623 χ^2/NDF: 113.4/99

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 534.746+/-0.114 χ^2/NDF: 2486018.6/22

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 569.168+/-0.112 χ^2/NDF: 3221952.6/28

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

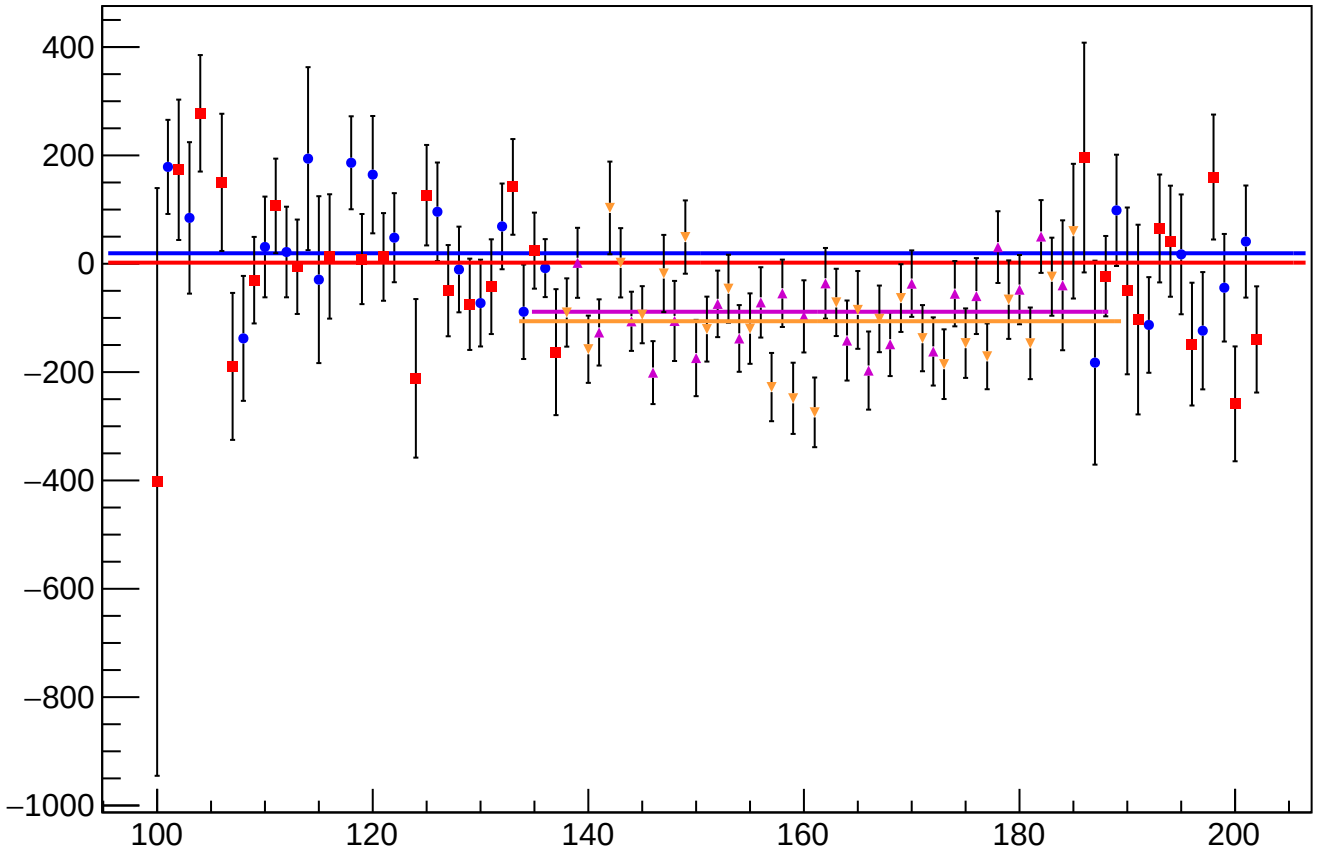
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 552.187+/-0.080 χ^2/NDF: 5754191.0/51

In: 374.928+/-0.050 χ^2/NDF:5341523.7/45

Out: 380.203+/-0.049 χ^2/NDF:7241402.8/53

All: 377.632+/-0.035 χ^2/NDF: 12588573.3/99



Right In: 19.351+/-19.410 χ^2/NDF: 22.9/22

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 2.011+/-18.696 χ^2/NDF: 37.7/28

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

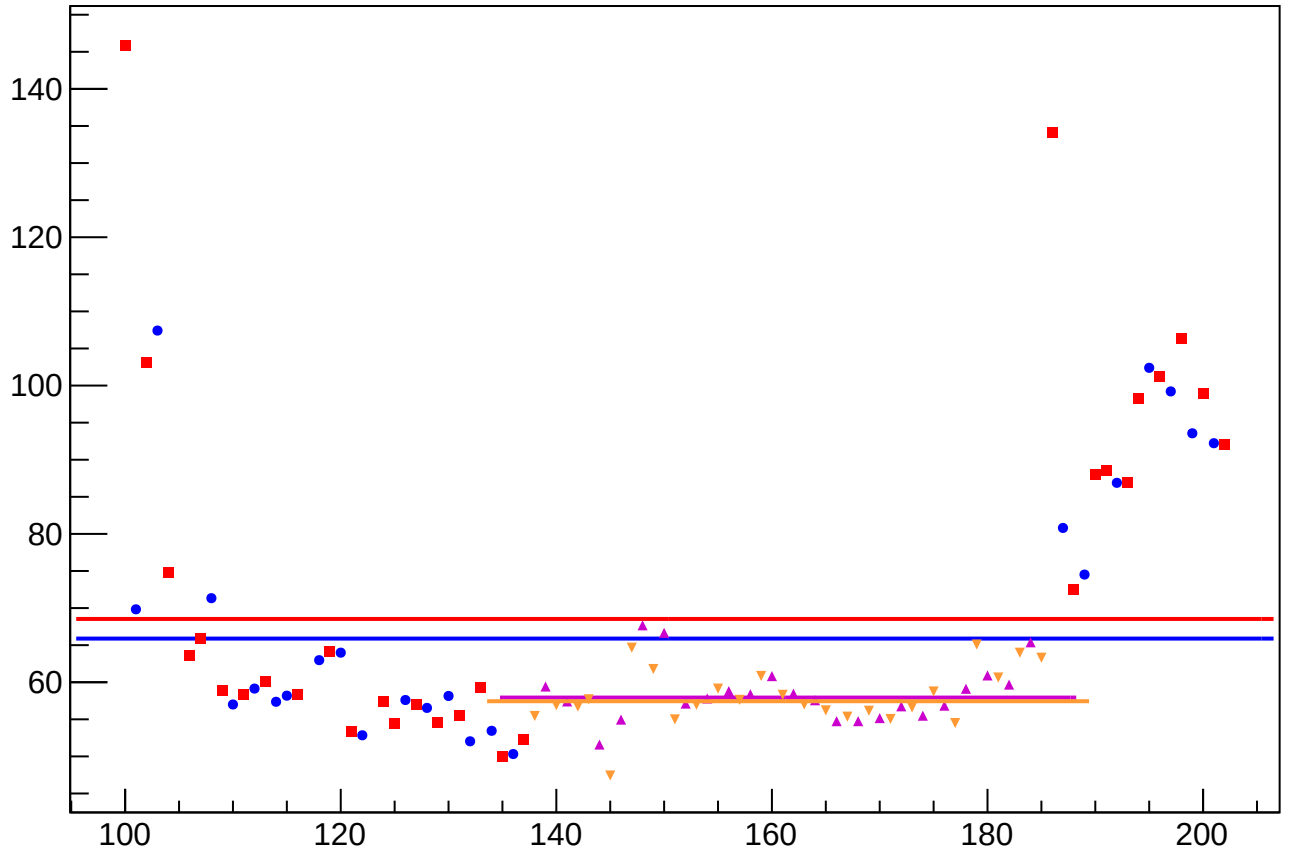
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 10.357+/-13.465 χ^2/NDF: 61.0/51

In: -53.186+/-11.119 χ^2/NDF:67.6/45

Out: -70.539+/-10.722 χ^2/NDF:100.8/53

All: -62.178+/-7.718 χ^2/NDF: 169.6/99



Right In: 65.886+/-0.014 χ^2/NDF: 1446613.7/22

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.533+/-0.013 χ^2/NDF: 1909206.1/28

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

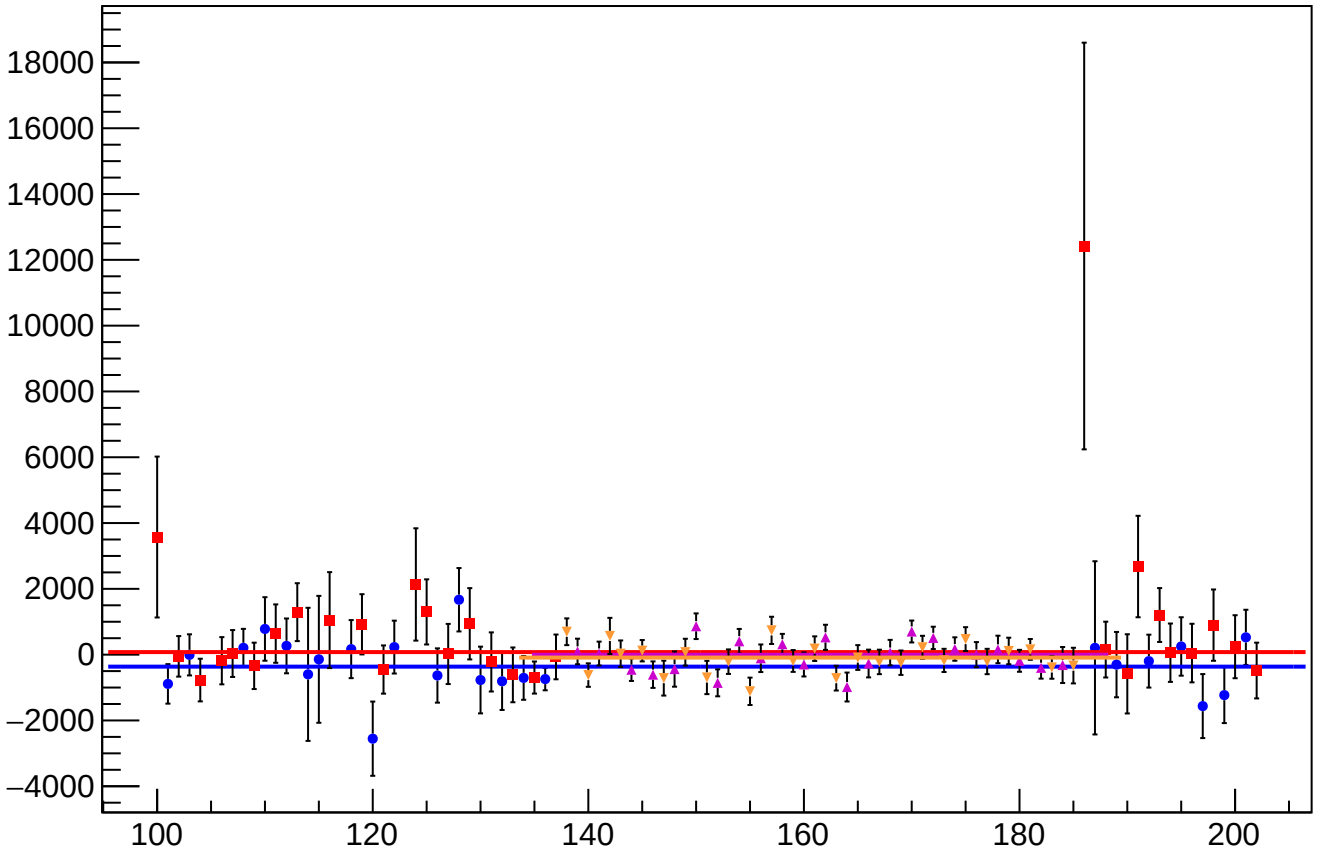
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 67.259+/-0.010 χ^2/NDF: 3375115.6/51

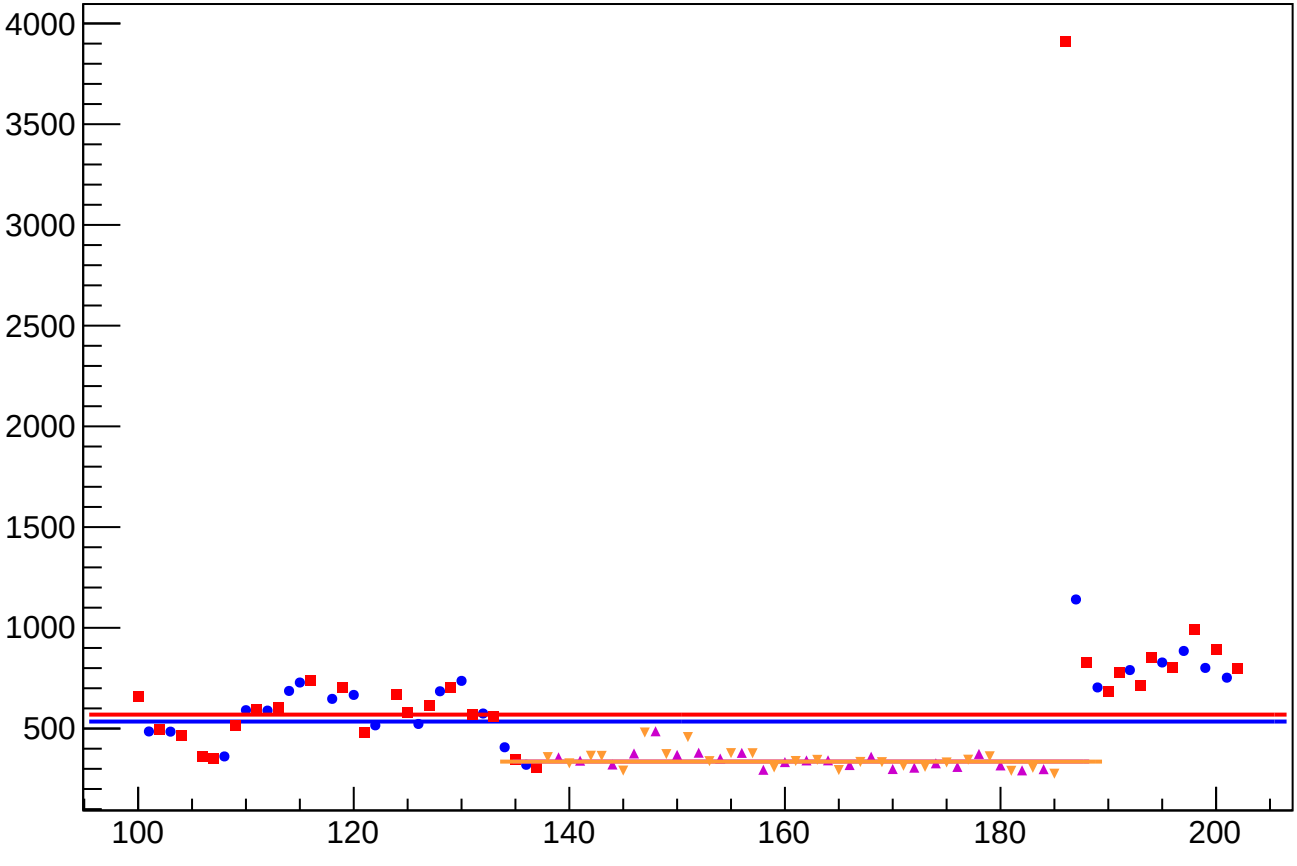
In: 60.543+/-0.008 χ^2/NDF:1808128.2/45

Out: 61.089+/-0.008 χ^2/NDF:2556273.1/53

All: 60.826+/-0.005 χ^2/NDF: 4366900.4/99


asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -364.531+/-161.173 χ²/NDF: 19.5/22
Left Out: -89.061+/-77.011 χ²/NDF:29.9/24
Right Out: 77.732+/-159.037 χ²/NDF: 25.5/28
Left In: -3.047+/-79.193 χ²/NDF:33.6/22
Left: -47.256+/-55.210 χ²/NDF: 64.1/47
Right: -140.449+/-113.204 χ²/NDF: 48.8/51
In: -73.348+/-71.077 χ²/NDF:57.1/45
Out: -57.380+/-69.312 χ²/NDF:56.3/53
All: -65.163+/-49.623 χ²/NDF: 113.4/99

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 534.746+/-0.114 χ^2/NDF: 2486018.6/22

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 569.168+/-0.112 χ^2/NDF: 3221952.6/28

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

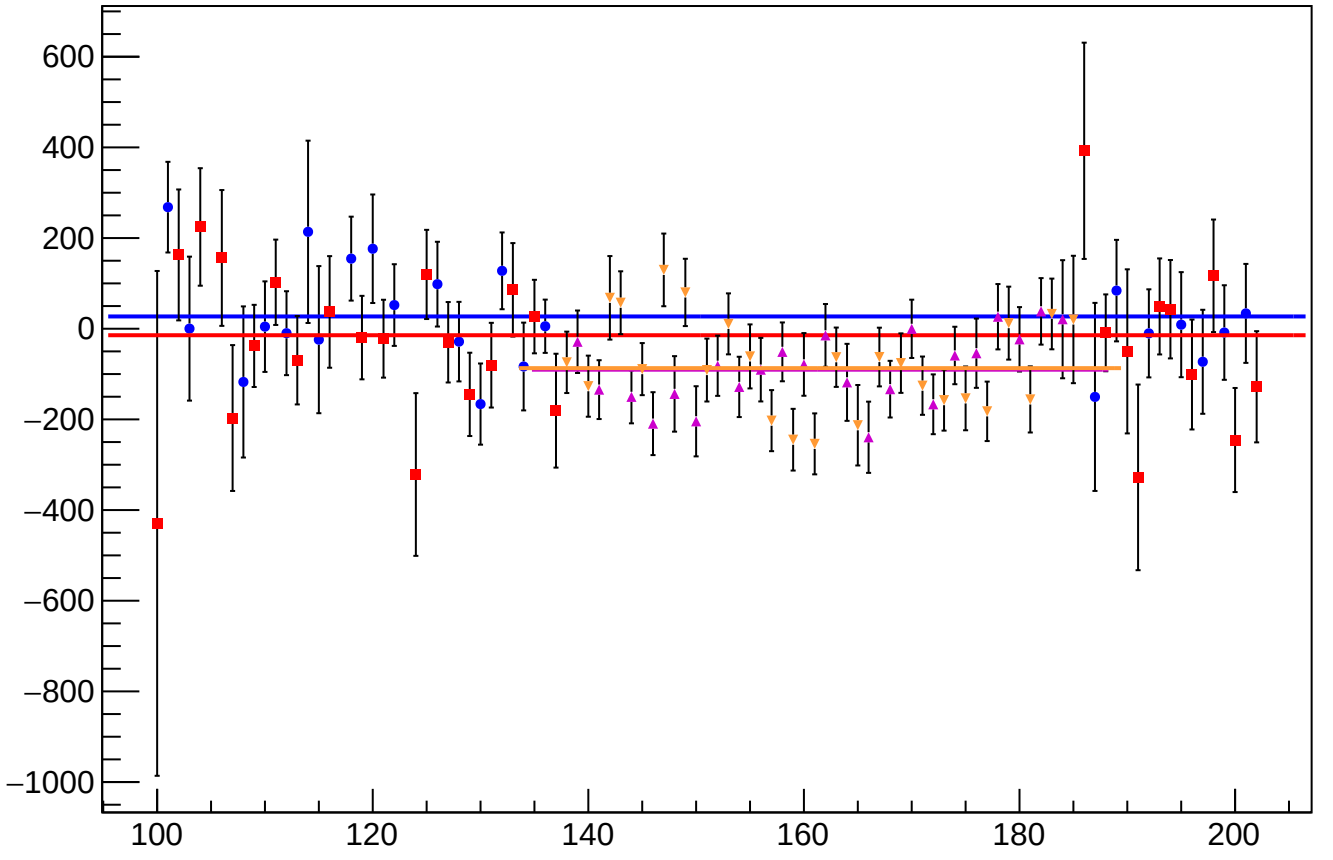
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 552.187+/-0.080 χ^2/NDF: 5754191.0/51

In: 374.928+/-0.050 χ^2/NDF:5341523.7/45

Out: 380.203+/-0.049 χ^2/NDF:7241402.8/53

All: 377.632+/-0.035 χ^2/NDF: 12588573.3/99



Right In: 27.071+/-21.295 χ^2/NDF: 21.8/22

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -14.357+/-20.772 χ^2/NDF: 32.9/28

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

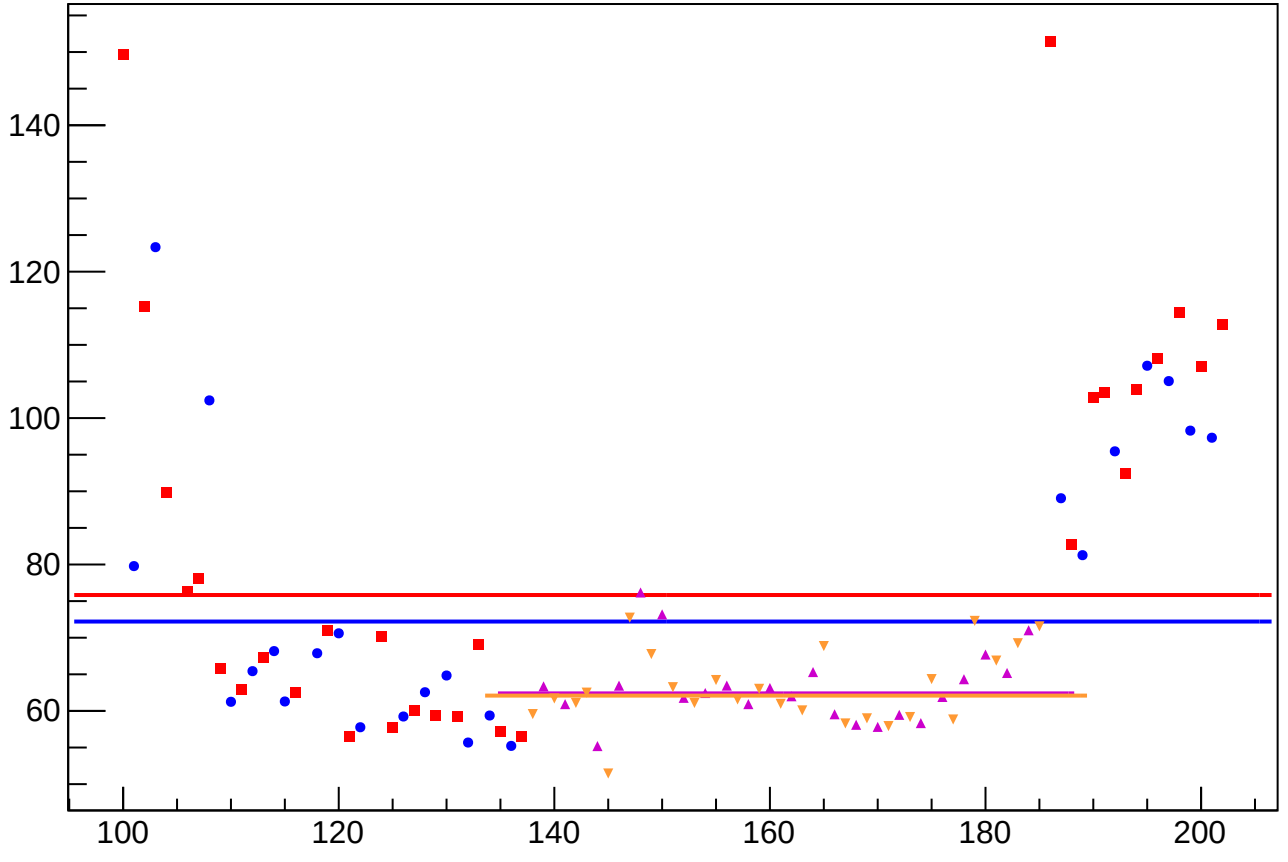
Right: 5.842+/-14.870 χ^2/NDF: 56.7/51

In: -52.616+/-12.073 χ^2/NDF:67.5/45

Out: -63.891+/-11.708 χ^2/NDF:90.1/53

All: -58.427+/-8.405 χ^2/NDF: 158.0/99

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 72.209+/-0.015 χ^2/NDF: 1457559.6/22

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 75.833+/-0.015 χ^2/NDF: 1982210.3/28

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

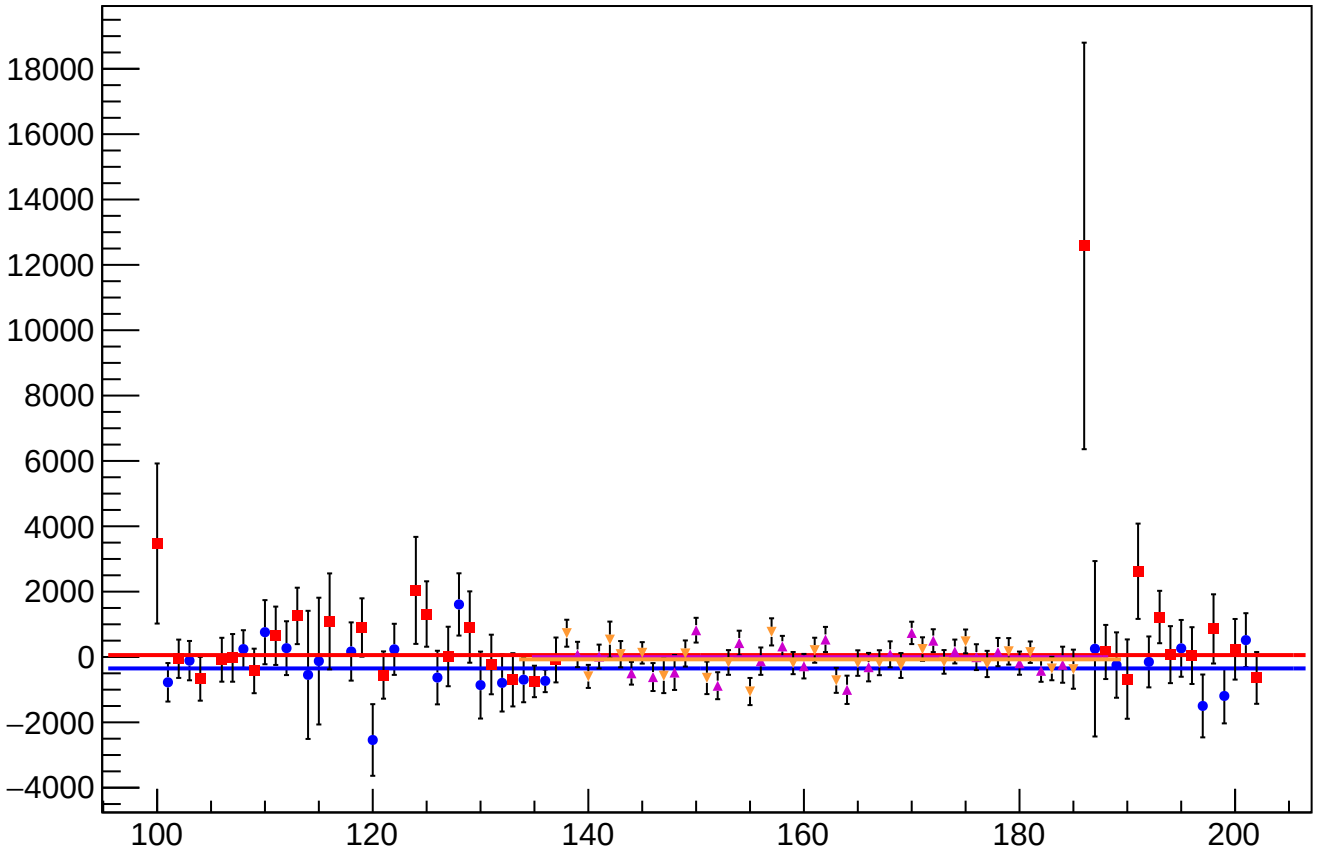
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 74.066+/-0.011 χ^2/NDF: 3469445.4/51

In: 65.550+/-0.009 χ^2/NDF:1934612.4/45

Out: 66.458+/-0.008 χ^2/NDF:2812565.4/53

All: 66.018+/-0.006 χ^2/NDF: 4753016.4/99



Right In: -350.059+/-160.469 χ^2/NDF: 19.0/22

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 58.107+/-156.534 χ^2/NDF: 26.7/28

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

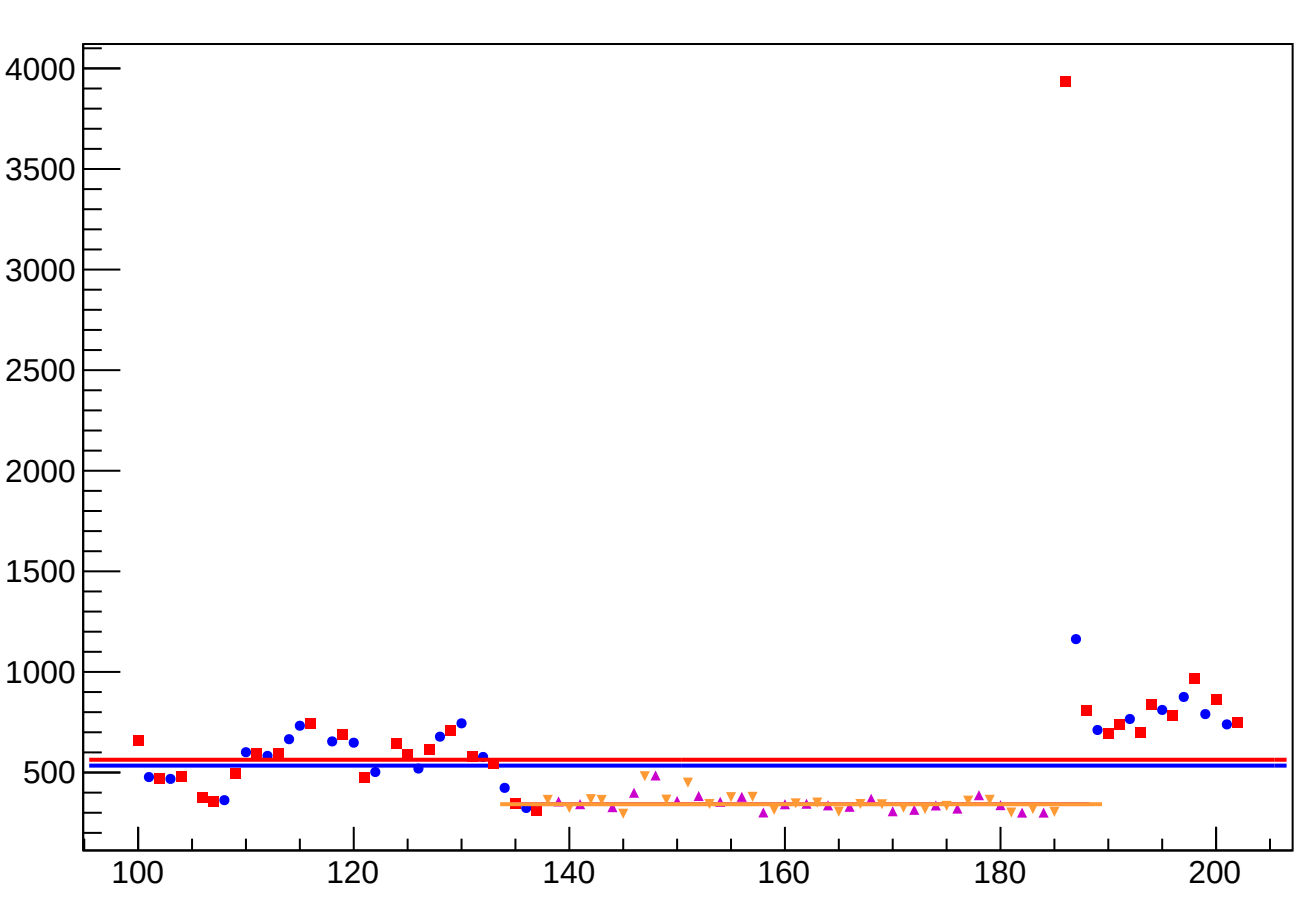
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

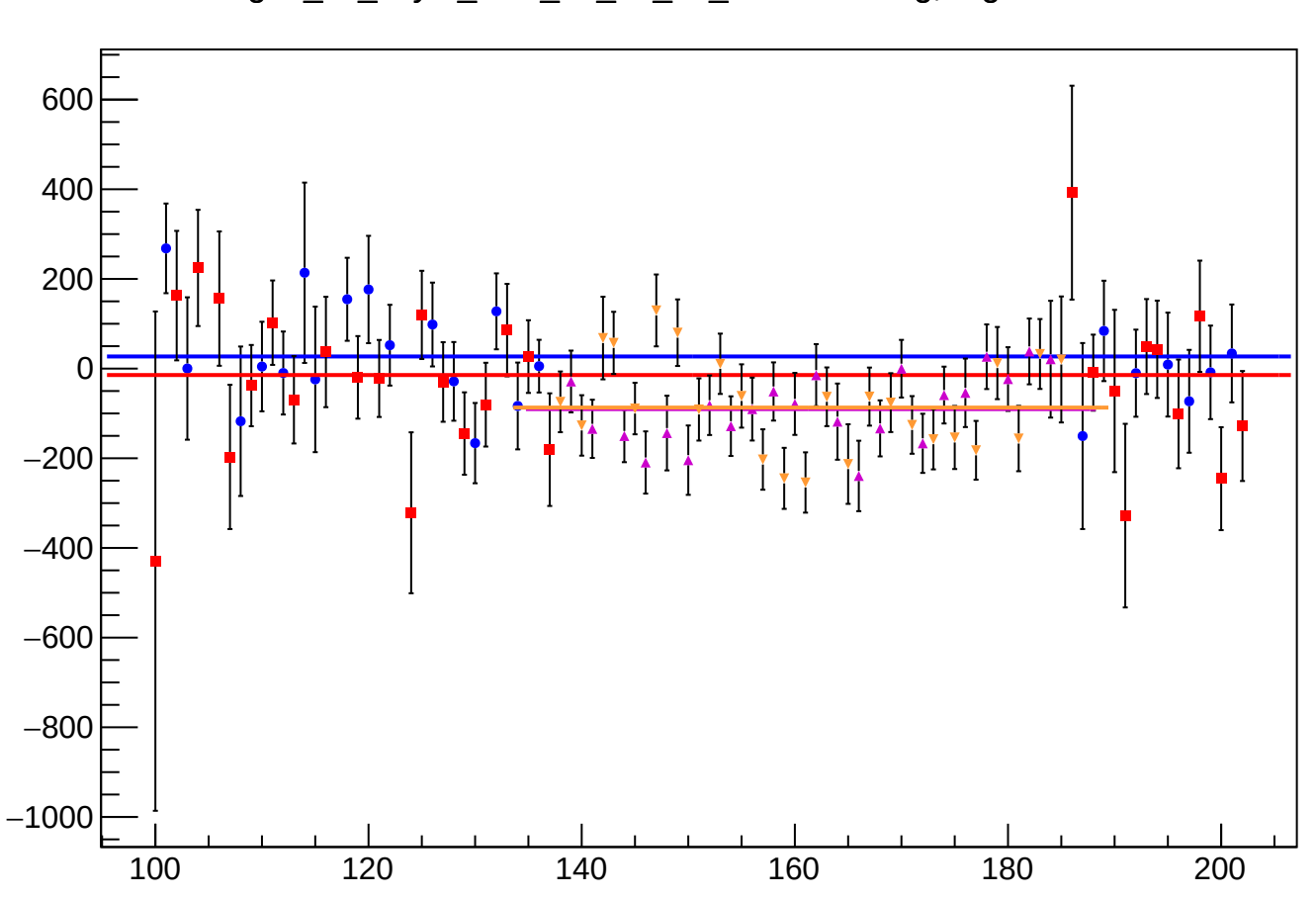
Right: -140.910+/-112.051 χ^2/NDF: 49.0/51

In: -75.640+/-72.139 χ^2/NDF:56.6/45

Out: -45.368+/-70.099 χ^2/NDF:55.8/53

All: -60.070+/-50.273 χ^2/NDF: 112.5/99


asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 534.261+/-0.113 χ²/NDF: 2373067.7/22
Left Out: 342.502+/-0.055 χ²/NDF:434208.3/24
Right Out: 563.461+/-0.111 χ²/NDF: 3068908.3/28
Left In: 343.245+/-0.057 χ²/NDF:372991.6/22
Left: 342.863+/-0.040 χ²/NDF: 807286.9/47
Right: 549.223+/-0.079 χ²/NDF: 5475911.1/51
In: 381.849+/-0.051 χ²/NDF:5007257.4/45
Out: 386.814+/-0.050 χ²/NDF:6689015.6/53
All: 384.402+/-0.036 χ²/NDF: 11701146.0/99



Right In: 27.071+/-21.295 χ^2/NDF: 21.8/22

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -14.357+/-20.772 χ^2/NDF: 32.9/28

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

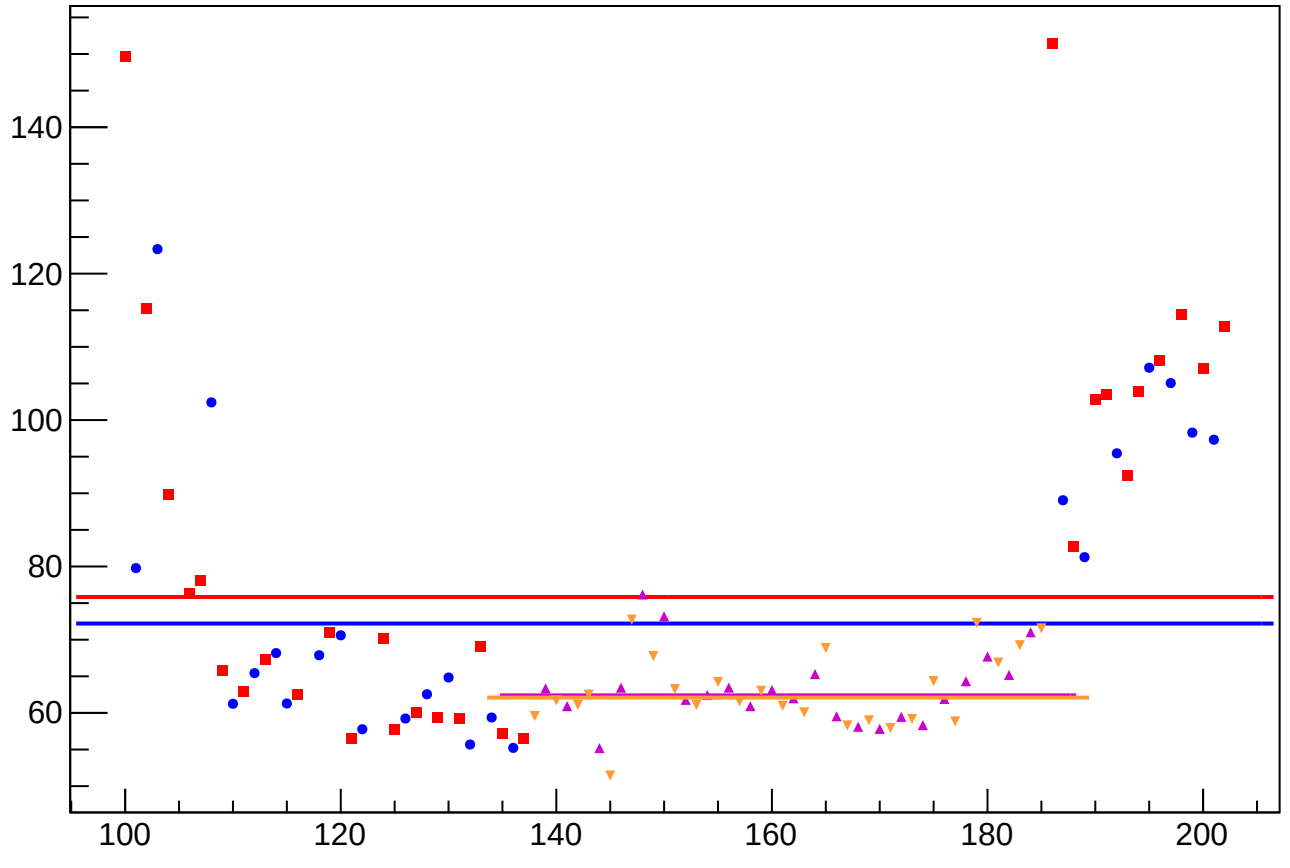
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 5.842+/-14.870 χ^2/NDF: 56.7/51

In: -52.616+/-12.073 χ^2/NDF:67.5/45

Out: -63.891+/-11.708 χ^2/NDF:90.1/53

All: -58.426+/-8.405 χ^2/NDF: 158.0/99



Right In: 72.209+/-0.015 χ^2/NDF: 1457581.2/22

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 75.833+/-0.015 χ^2/NDF: 1982212.9/28

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

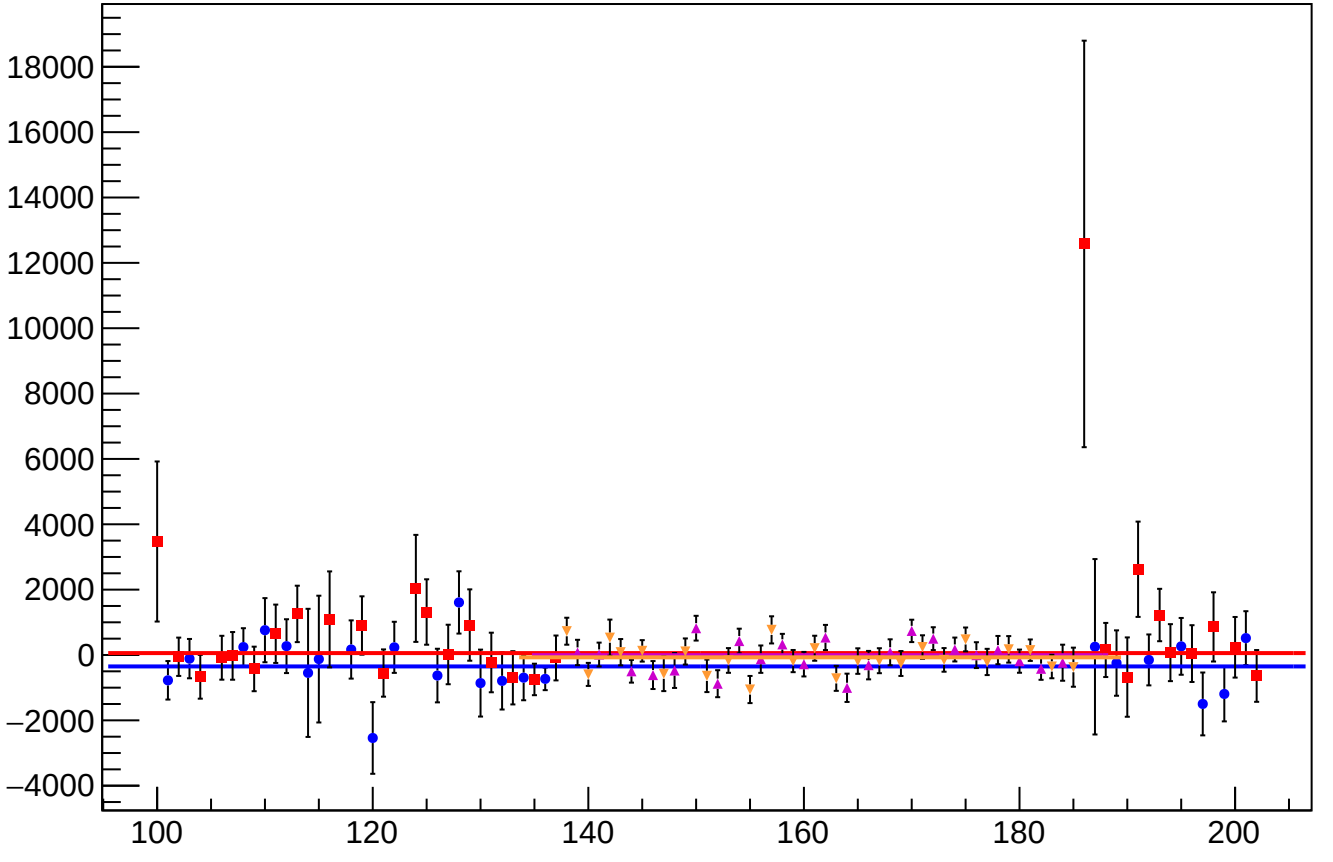
Right: 74.066+/-0.011 χ^2/NDF: 3469469.7/51

In: 65.550+/-0.009 χ^2/NDF:1934631.0/45

Out: 66.458+/-0.008 χ^2/NDF:2812566.6/53

All: 66.018+/-0.006 χ^2/NDF: 4753036.1/99

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -350.058+/-160.468 χ^2/NDF: 19.0/22

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 58.106+/-156.534 χ^2/NDF: 26.7/28

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

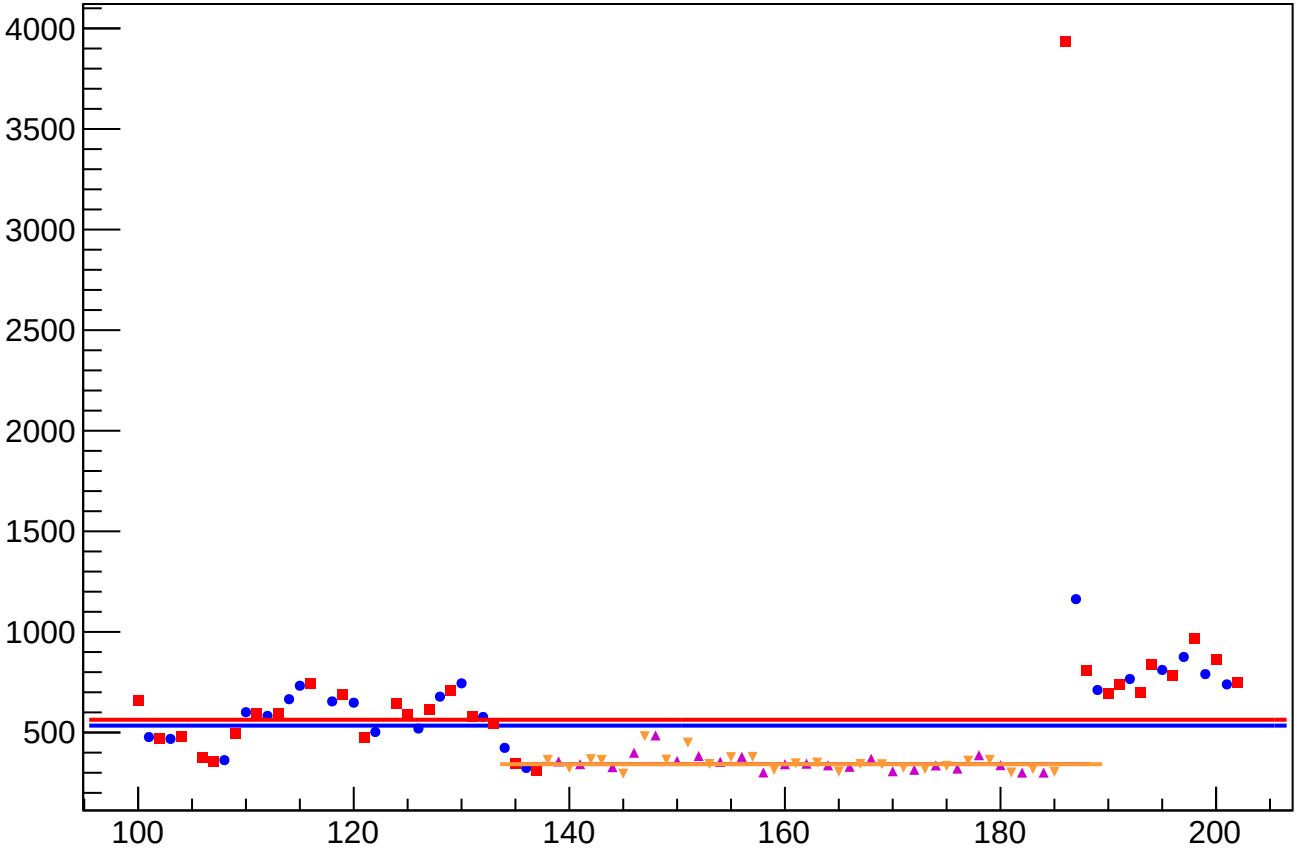
Right: -140.911+/-112.051 χ^2/NDF: 49.0/51

In: -75.641+/-72.139 χ^2/NDF:56.6/45

Out: -45.368+/-70.099 χ^2/NDF:55.8/53

All: -60.070+/-50.273 χ^2/NDF: 112.5/99

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 534.260+/-0.113 χ^2/NDF: 2373071.5/22

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 563.460+/-0.111 χ^2/NDF: 3068915.0/28

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

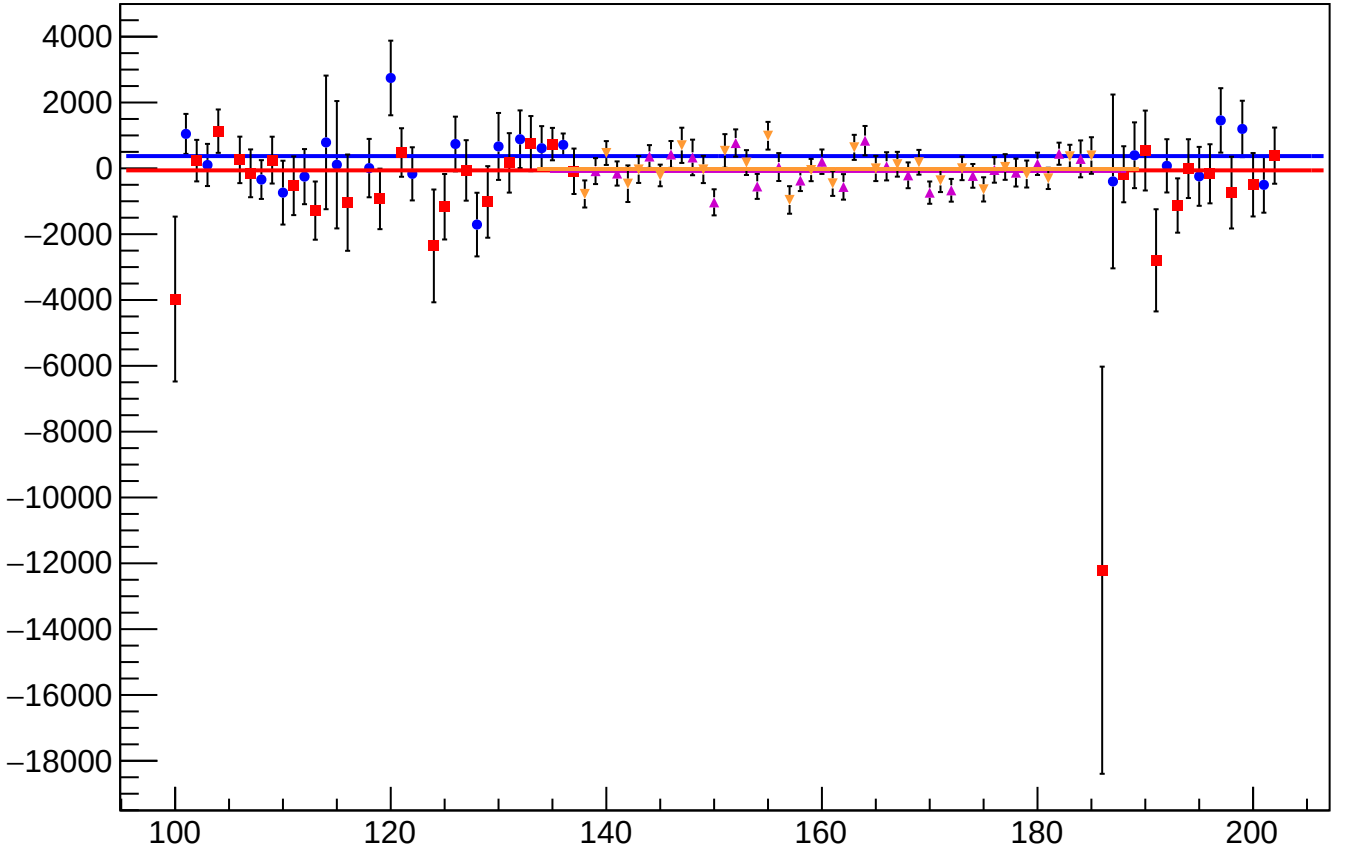
Right: 549.223+/-0.079 χ^2/NDF: 5475921.4/51

In: 381.849+/-0.051 χ^2/NDF:5007249.0/45

Out: 386.814+/-0.050 χ^2/NDF:6689007.8/53

All: 384.402+/-0.036 χ^2/NDF: 11701129.6/99

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 372.010+/-162.863 χ^2/NDF: 20.1/22

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -61.643+/-160.351 χ^2/NDF: 27.6/28

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

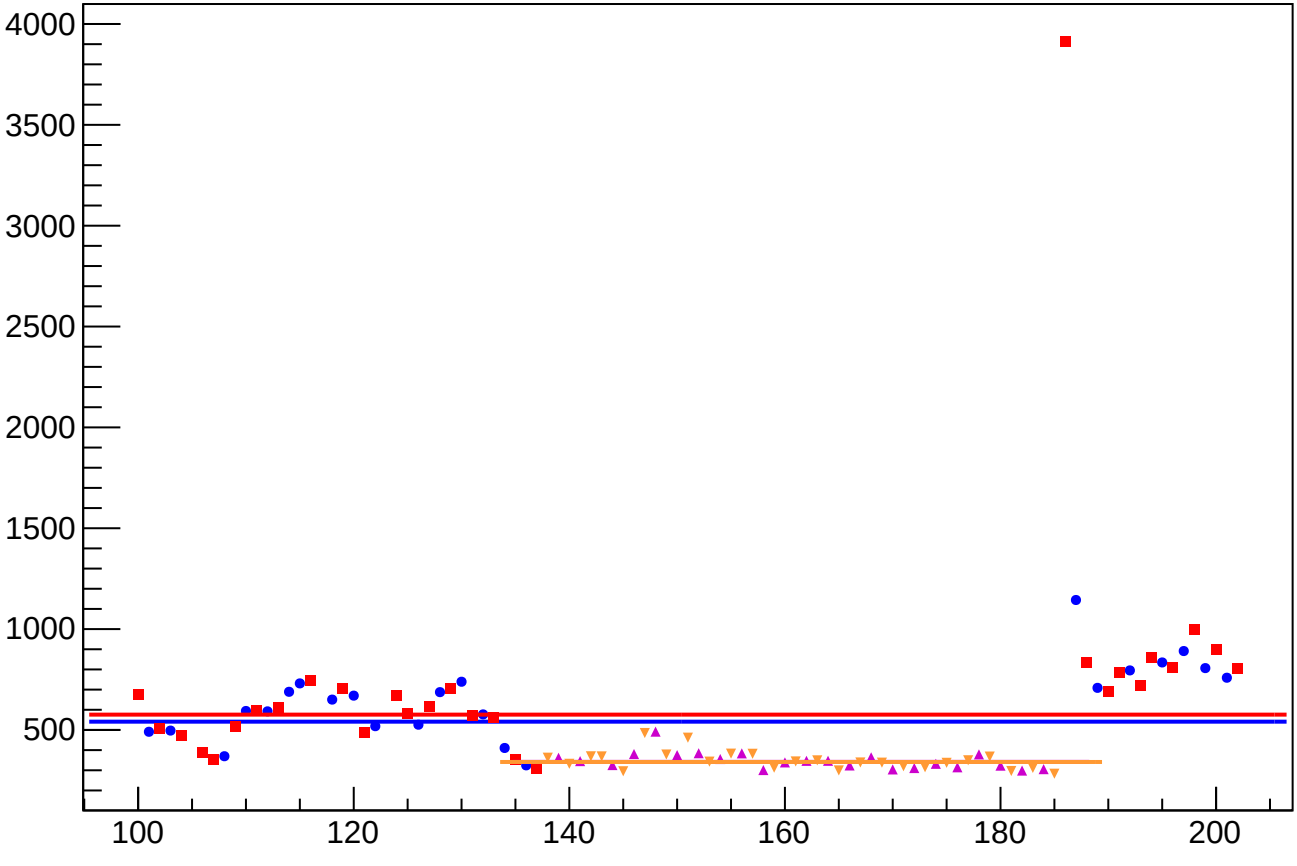
Right: 151.813+/-114.263 χ^2/NDF: 51.3/51

In: 9.619+/-72.101 χ^2/NDF:59.1/45

Out: -28.221+/-70.285 χ^2/NDF:59.1/53

All: -9.783+/-50.329 χ^2/NDF: 118.4/99

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 541.039+/-0.115 χ^2/NDF: 2432693.1/22

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 575.939+/-0.113 χ^2/NDF: 3142107.0/28

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

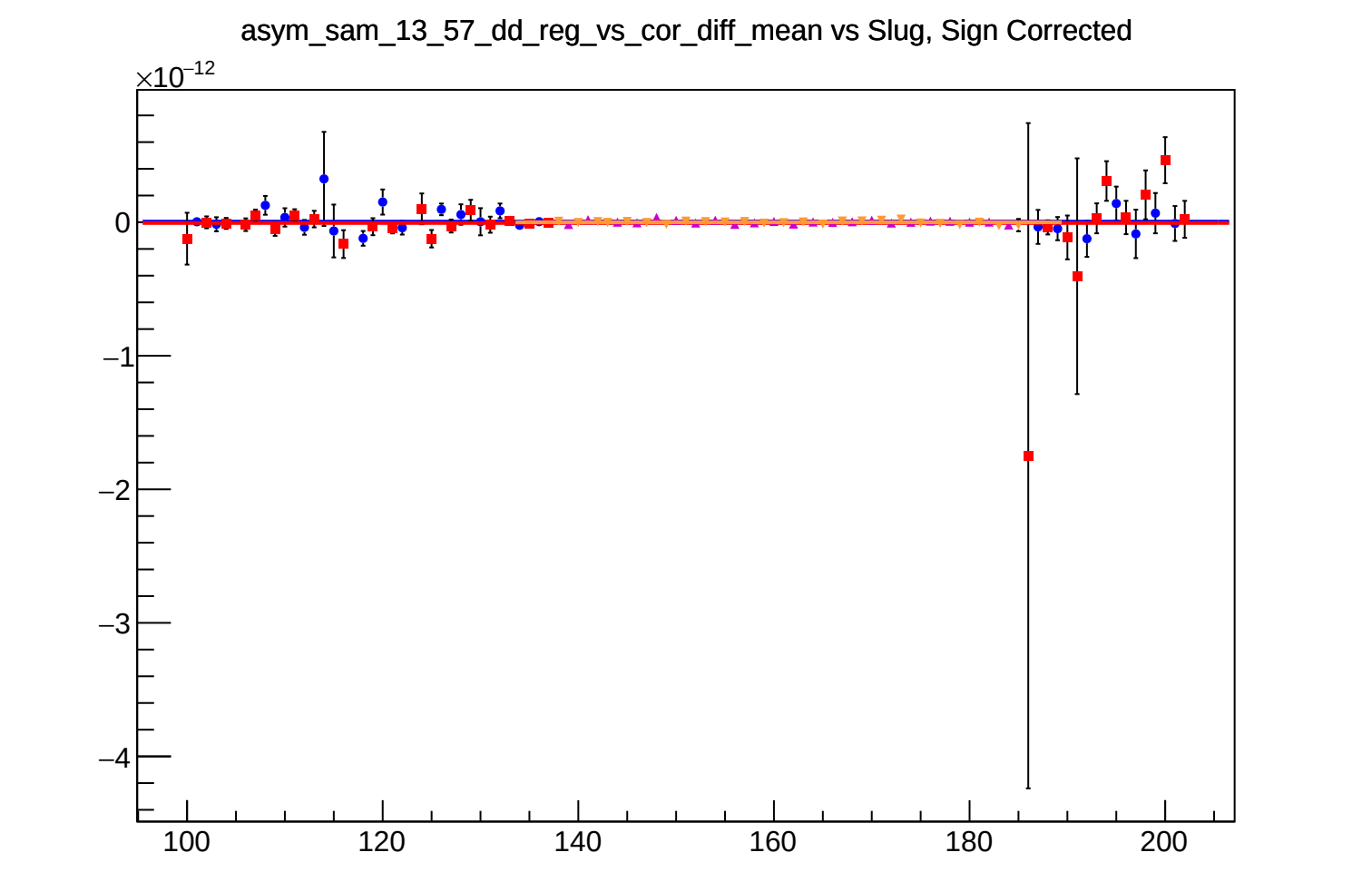
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 558.760+/-0.081 χ^2/NDF: 5621433.8/51

In: 380.706+/-0.051 χ^2/NDF:5240402.6/45

Out: 386.297+/-0.050 χ^2/NDF:7115575.1/53

All: 383.573+/-0.036 χ^2/NDF: 12362144.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/28

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

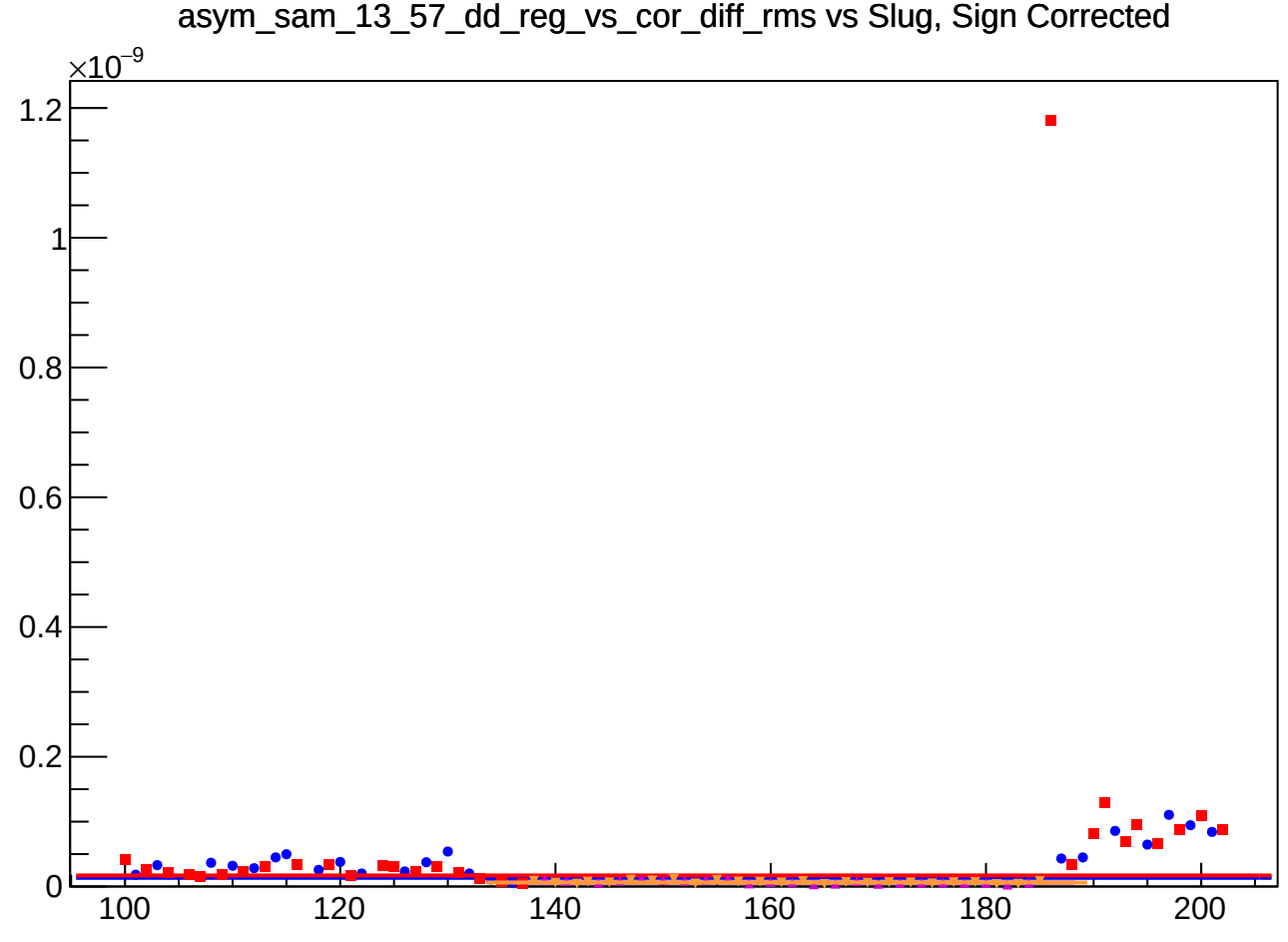
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: 0.000+/-0.000 χ^2/NDF: 54.0/51

In: 0.000+/-0.000 χ^2/NDF:38.6/45

Out: -0.000+/-0.000 χ^2/NDF:48.6/53

All: 0.000+/-0.000 χ^2/NDF: 88.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 5920647.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5607008.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

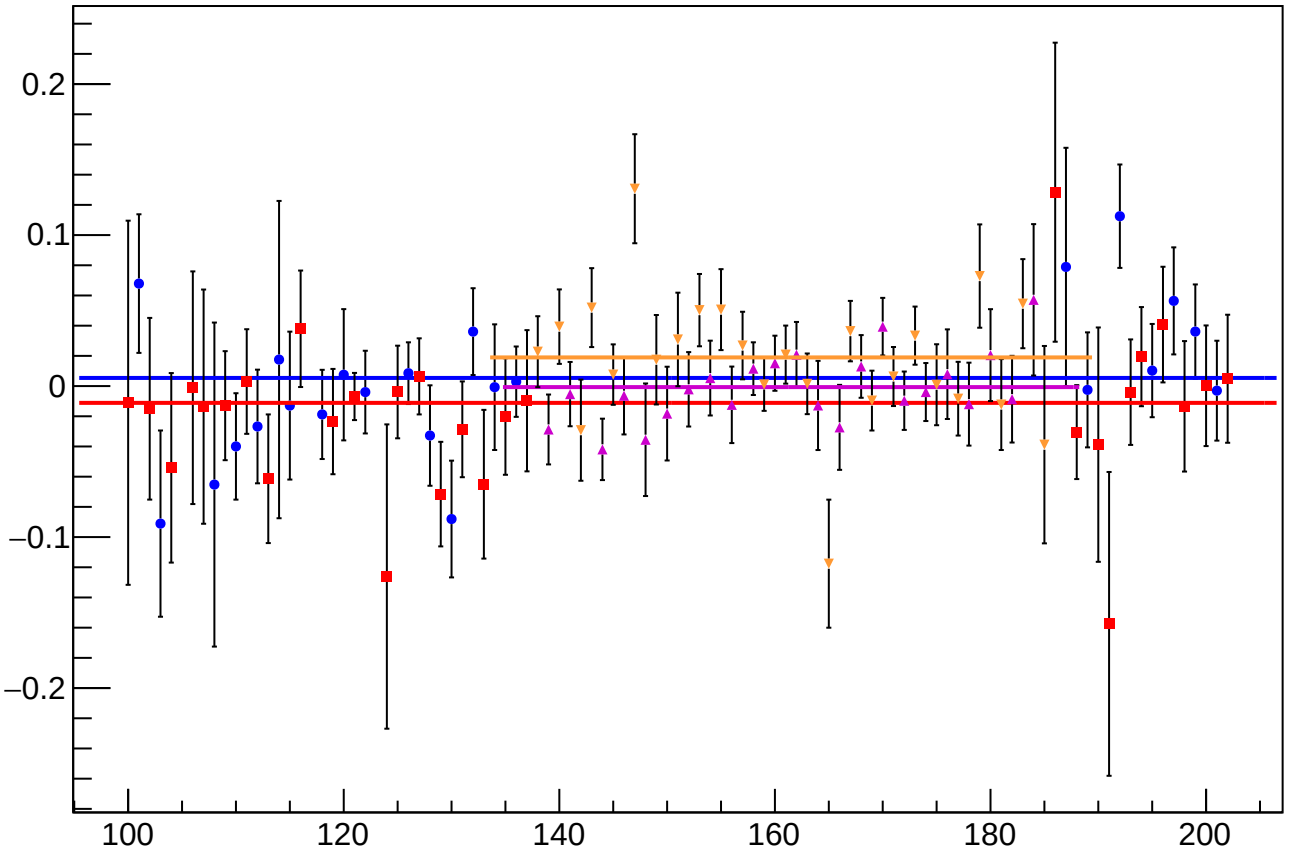
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11706085.9/51

In: 0.000+/-0.000 χ^2/NDF:9142258.3/45

Out: 0.000+/-0.000 χ^2/NDF:9461828.1/53

All: 0.000+/-0.000 χ^2/NDF: 18612912.2/99



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

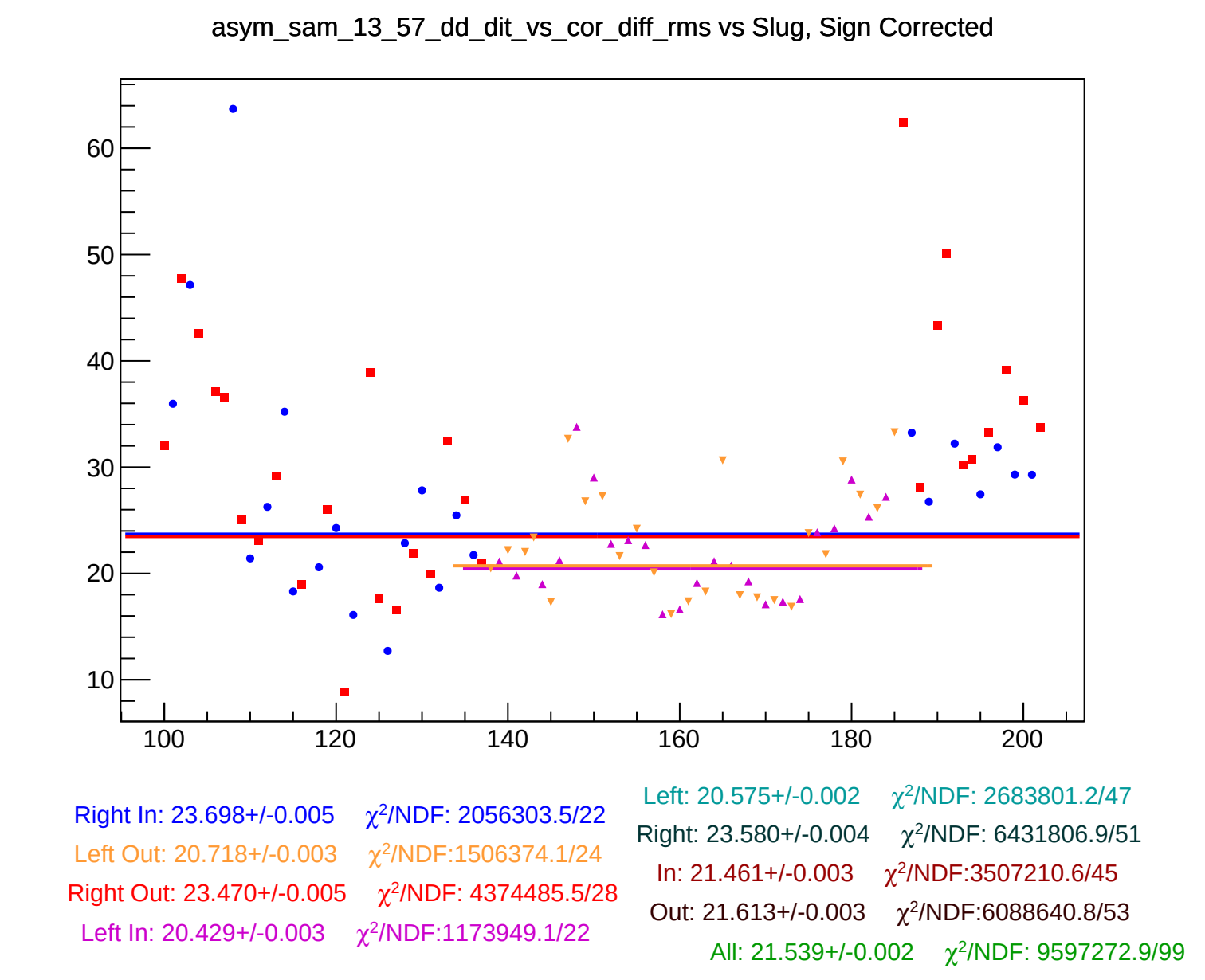
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

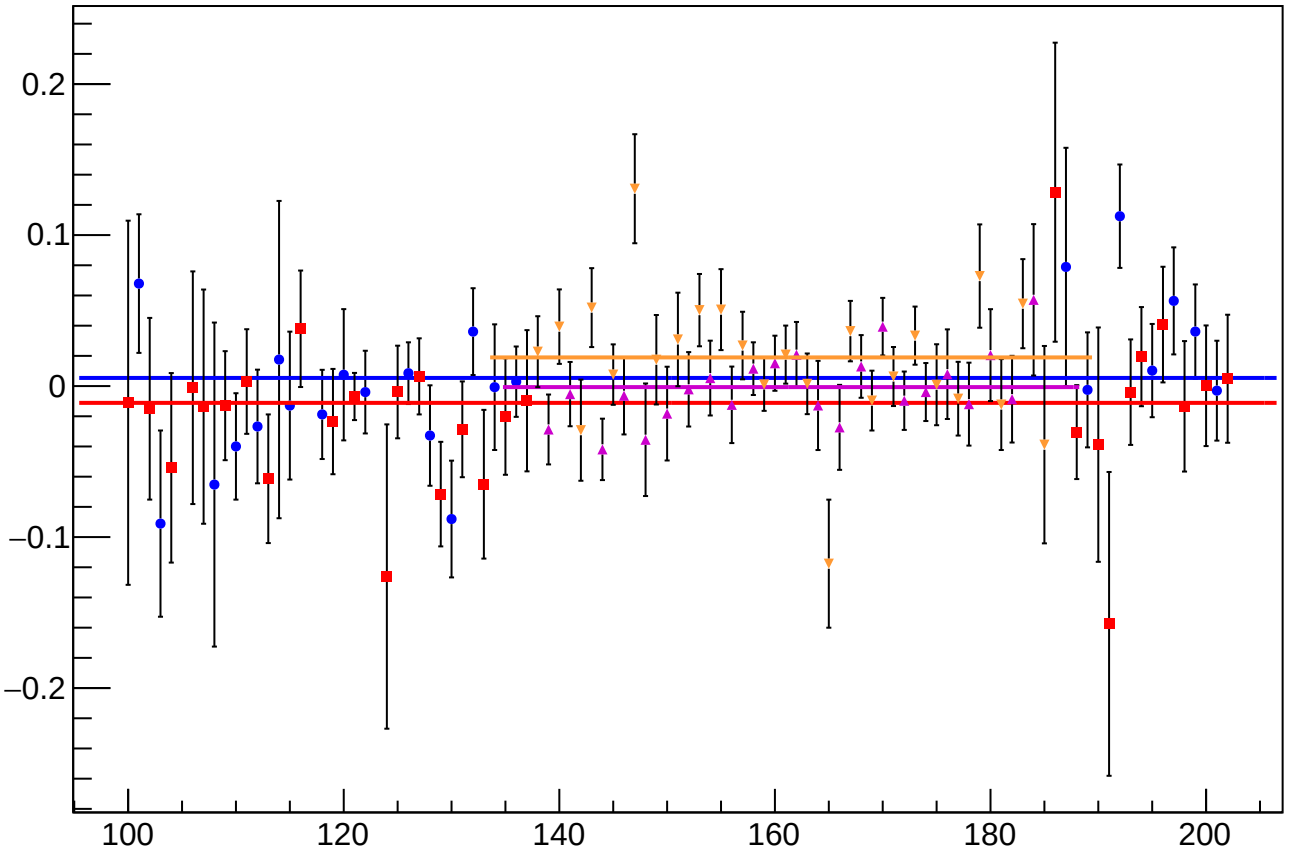
Right: -0.003+/-0.005 χ^2/NDF: 50.8/51

In: 0.001+/-0.004 χ^2/NDF:48.4/45

Out: 0.009+/-0.004 χ^2/NDF:71.5/53

All: 0.005+/-0.003 χ^2/NDF: 121.8/99


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
120
140
160
180
200
Right In: 23.698+/-0.005 χ²/NDF: 2056303.5/22
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 23.470+/-0.005 χ²/NDF: 4374485.5/28
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
Left: 20.575+/-0.002 χ²/NDF: 2683801.2/47
Right: 23.580+/-0.004 χ²/NDF: 6431806.9/51
In: 21.461+/-0.003 χ²/NDF:3507210.6/45
Out: 21.613+/-0.003 χ²/NDF:6088640.8/53
All: 21.539+/-0.002 χ²/NDF: 9597272.9/99



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

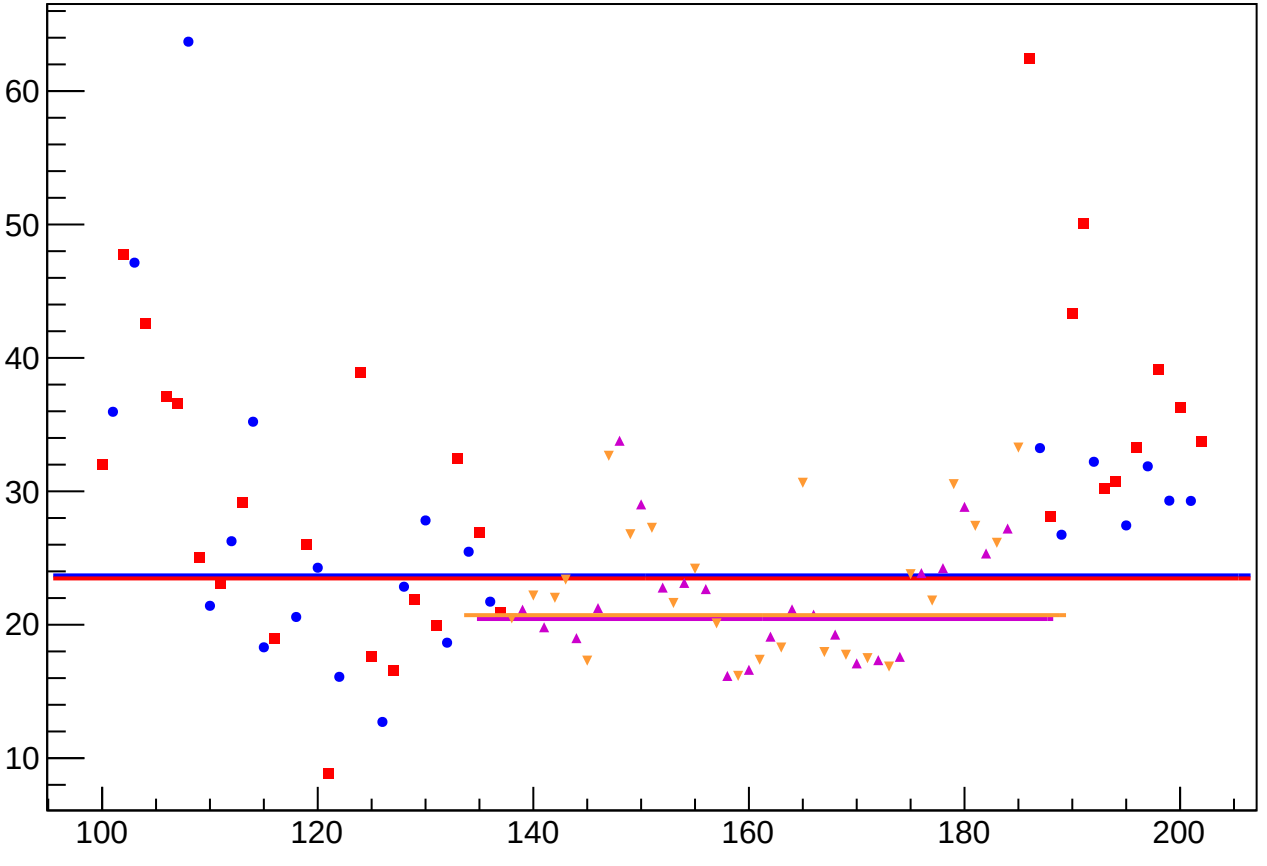
Right: -0.003+/-0.005 χ^2/NDF: 50.8/51

In: 0.001+/-0.004 χ^2/NDF:48.4/45

Out: 0.009+/-0.004 χ^2/NDF:71.5/53

All: 0.005+/-0.003 χ^2/NDF: 121.8/99

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.698+/-0.005 χ^2/NDF: 2056303.5/22

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.470+/-0.005 χ^2/NDF: 4374485.5/28

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

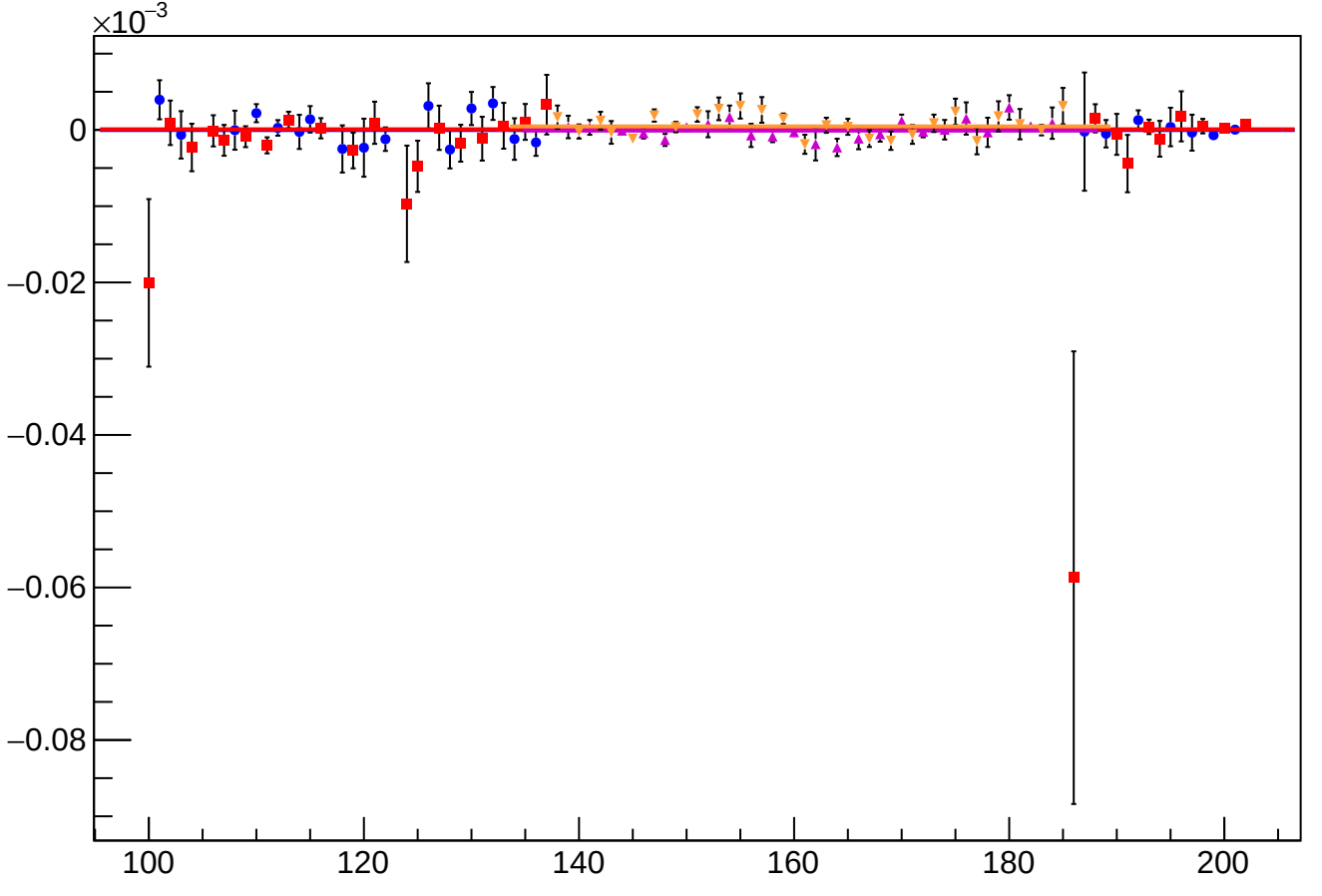
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.580+/-0.004 χ^2/NDF: 6431806.9/51

In: 21.461+/-0.003 χ^2/NDF:3507210.6/45

Out: 21.613+/-0.003 χ^2/NDF:6088640.8/53

All: 21.539+/-0.002 χ^2/NDF: 9597272.9/99



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/28

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

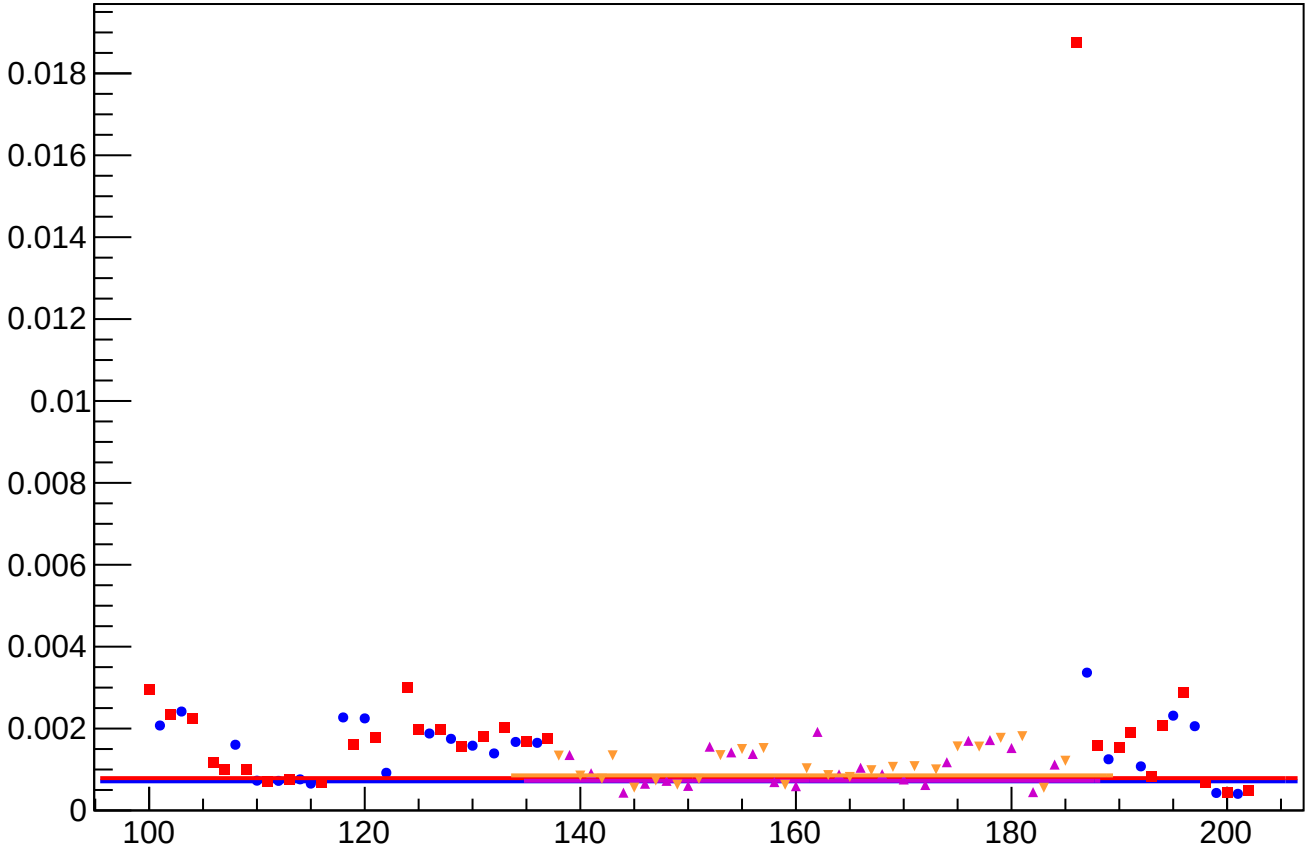
Right: 0.000+/-0.000 χ^2/NDF: 44.5/51

In: -0.000+/-0.000 χ^2/NDF:38.8/45

Out: 0.000+/-0.000 χ^2/NDF:63.3/53

All: 0.000+/-0.000 χ^2/NDF: 104.8/99

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8029307.7/22

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8171668.4/28

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

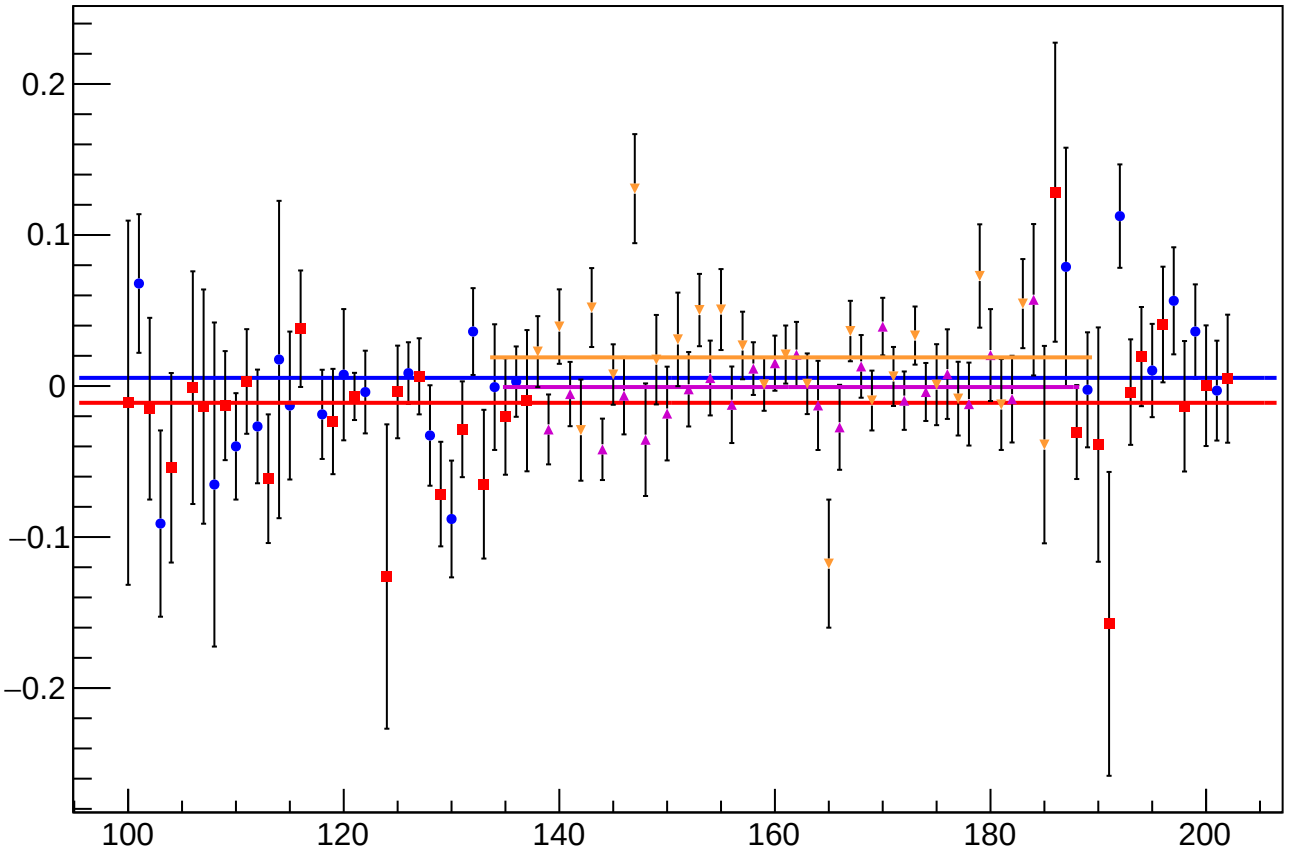
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 16291648.3/51

In: 0.001+/-0.000 χ^2/NDF:13838362.4/45

Out: 0.001+/-0.000 χ^2/NDF:12692127.8/53

All: 0.001+/-0.000 χ^2/NDF: 27006749.2/99



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

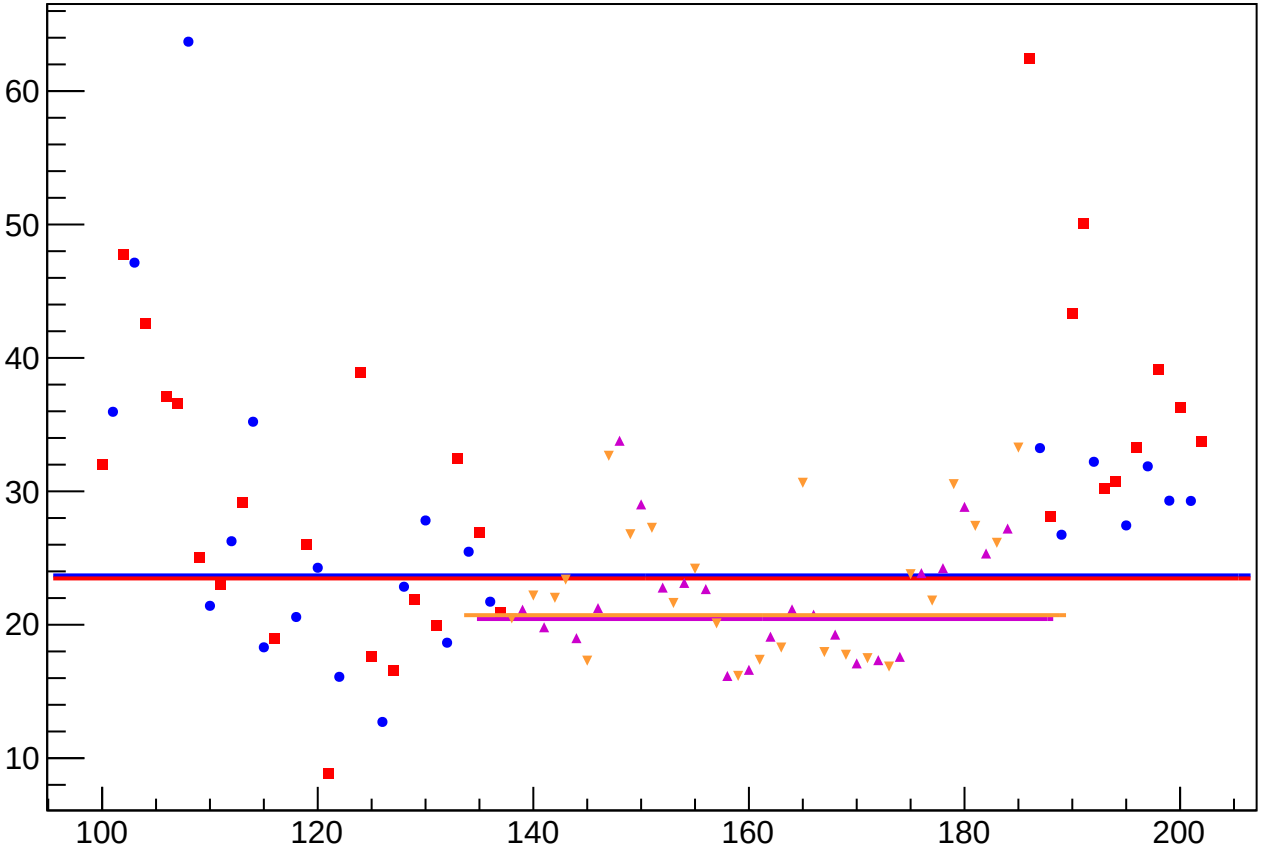
Right: -0.003+/-0.005 χ^2/NDF: 50.8/51

In: 0.001+/-0.004 χ^2/NDF:48.4/45

Out: 0.009+/-0.004 χ^2/NDF:71.5/53

All: 0.005+/-0.003 χ^2/NDF: 121.8/99

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.698+/-0.005 χ^2/NDF: 2056120.7/22

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.471+/-0.005 χ^2/NDF: 4373907.9/28

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

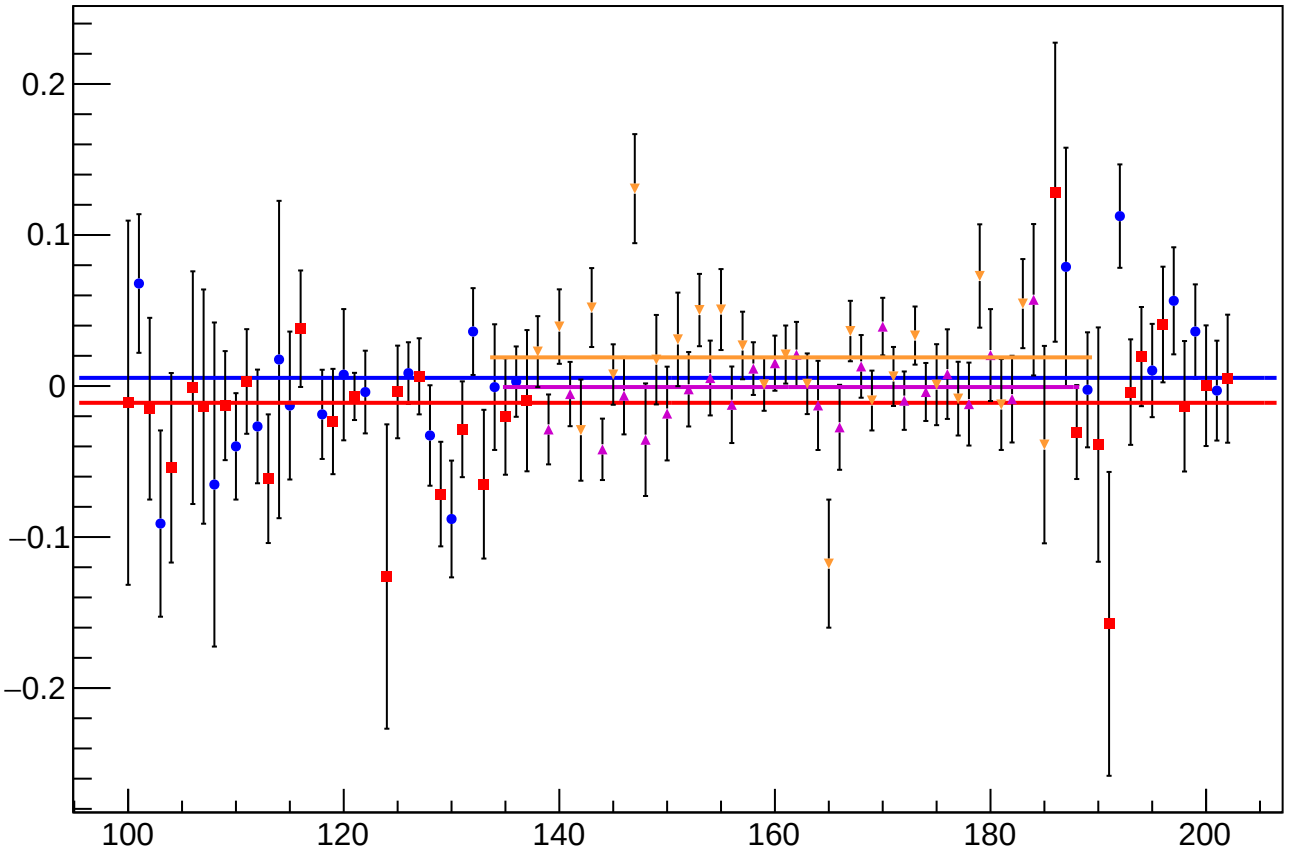
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.580+/-0.004 χ^2/NDF: 6431044.0/51

In: 21.461+/-0.003 χ^2/NDF:3507115.3/45

Out: 21.614+/-0.003 χ^2/NDF:6088256.5/53

All: 21.539+/-0.002 χ^2/NDF: 9596793.9/99



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

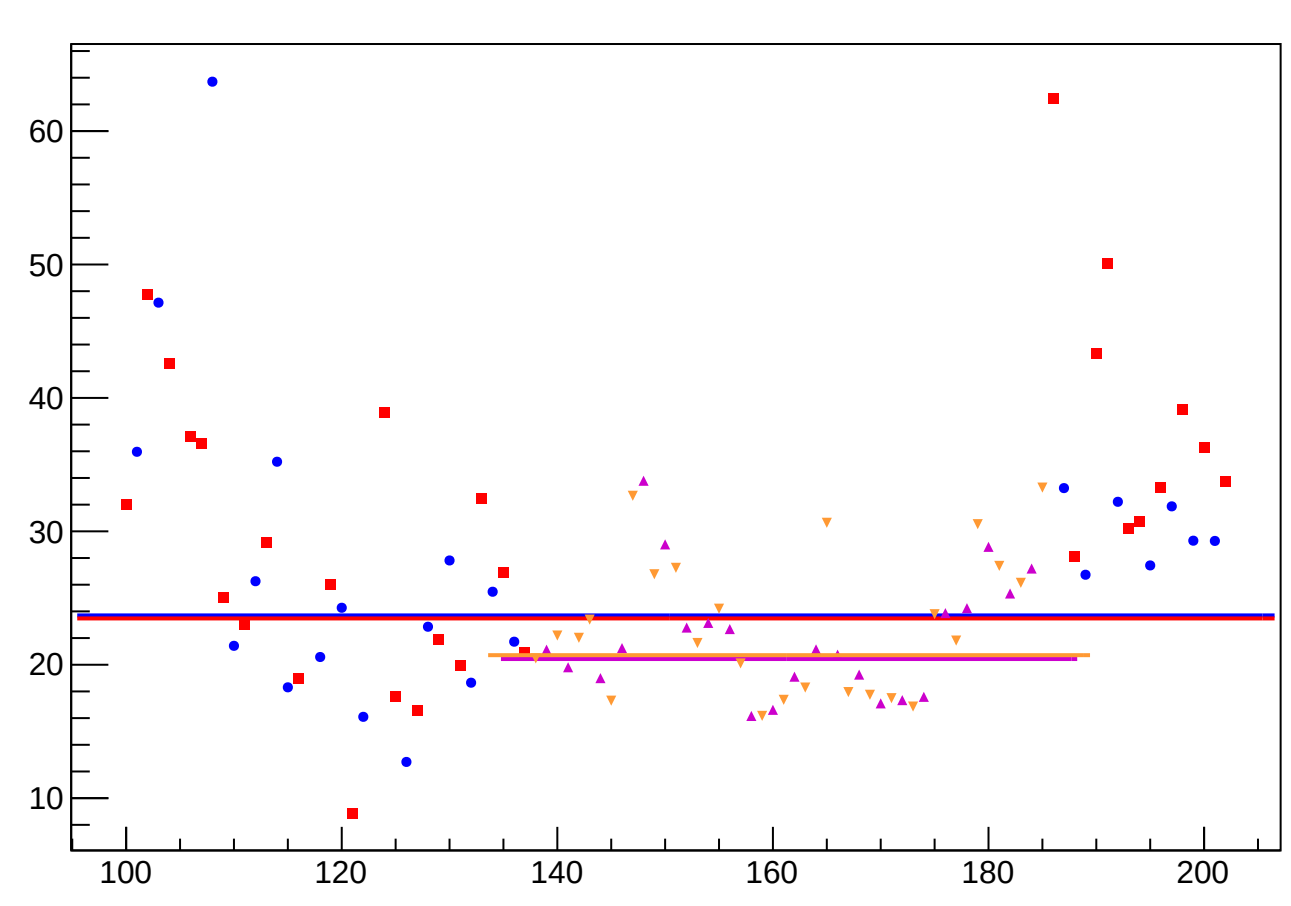
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.003+/-0.005 χ^2/NDF: 50.8/51

In: 0.001+/-0.004 χ^2/NDF:48.4/45

Out: 0.009+/-0.004 χ^2/NDF:71.5/53

All: 0.005+/-0.003 χ^2/NDF: 121.8/99



Right In: 23.698+/-0.005 χ^2/NDF: 2056120.7/22

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.471+/-0.005 χ^2/NDF: 4373907.9/28

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

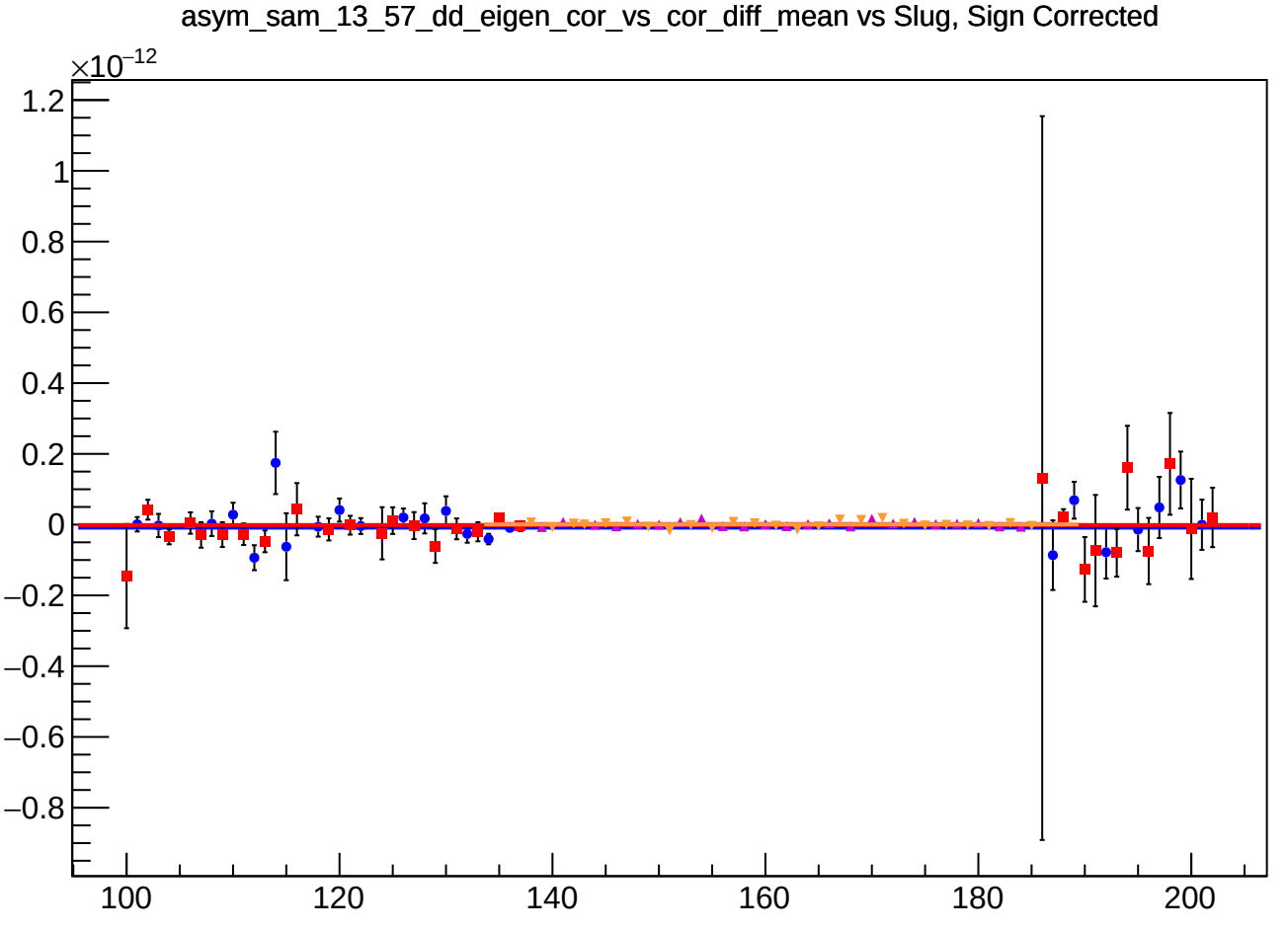
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.580+/-0.004 χ^2/NDF: 6431044.0/51

In: 21.461+/-0.003 χ^2/NDF:3507115.3/45

Out: 21.614+/-0.003 χ^2/NDF:6088256.5/53

All: 21.539+/-0.002 χ^2/NDF: 9596793.9/99



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/28

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

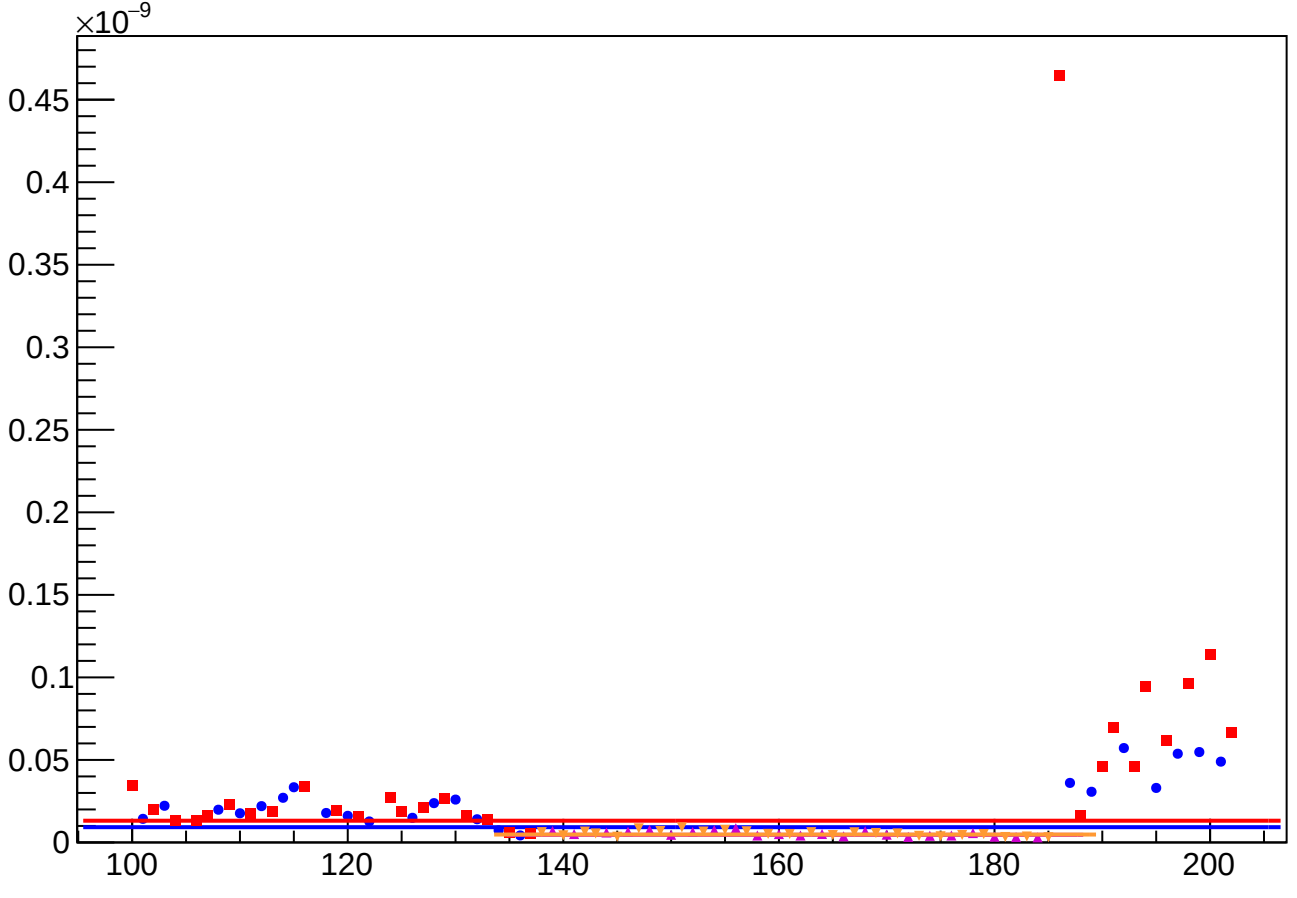
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.0/51

In: 0.000+/-0.000 χ^2/NDF:54.8/45

Out: 0.000+/-0.000 χ^2/NDF:54.5/53

All: 0.000+/-0.000 χ^2/NDF: 109.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 7237429.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8156540.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

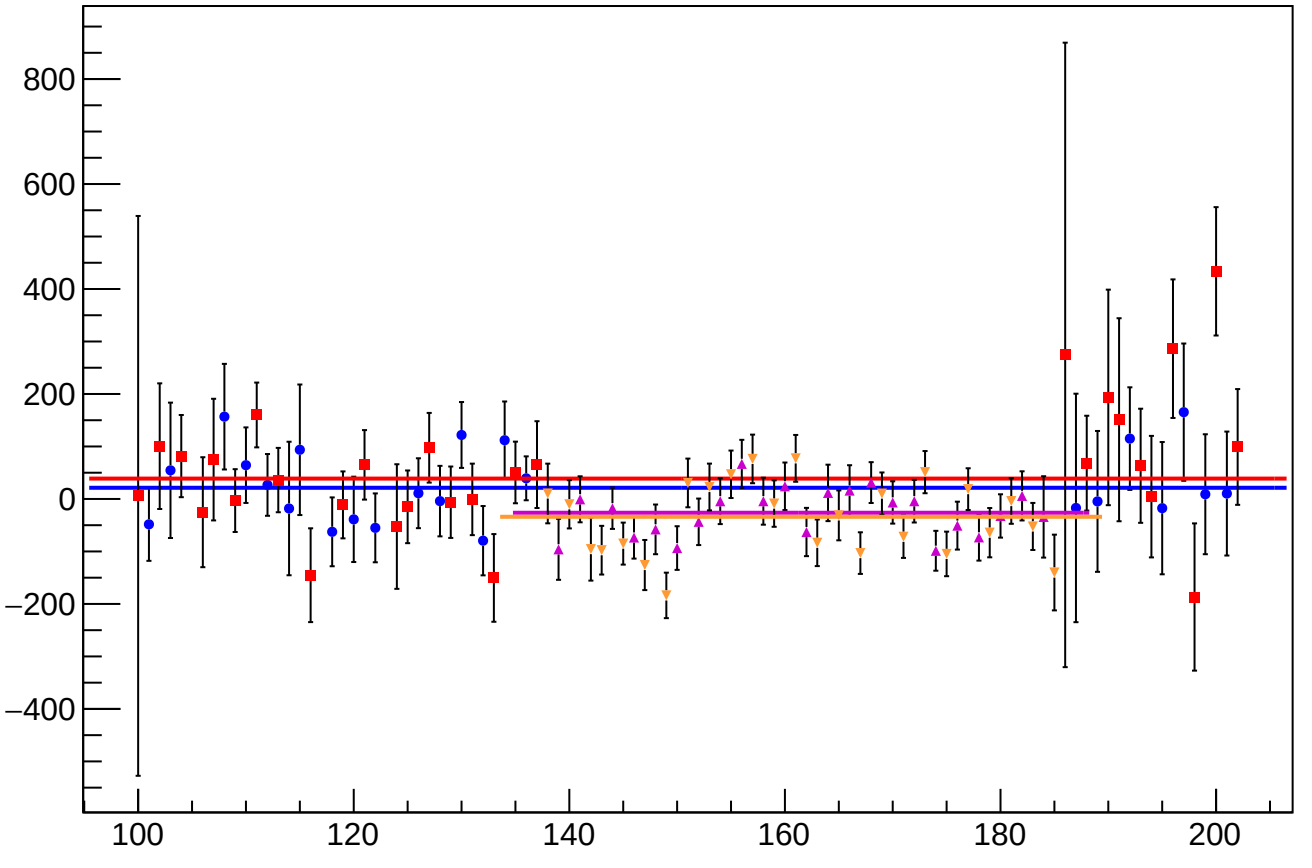
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16016738.5/51

In: 0.000+/-0.000 χ^2/NDF:11159303.5/45

Out: 0.000+/-0.000 χ^2/NDF:14739971.4/53

All: 0.000+/-0.000 χ^2/NDF: 25941458.4/99



Right In: 21.304+/-16.379 χ^2/NDF: 16.3/22

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 38.824+/-15.973 χ^2/NDF: 36.6/28

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

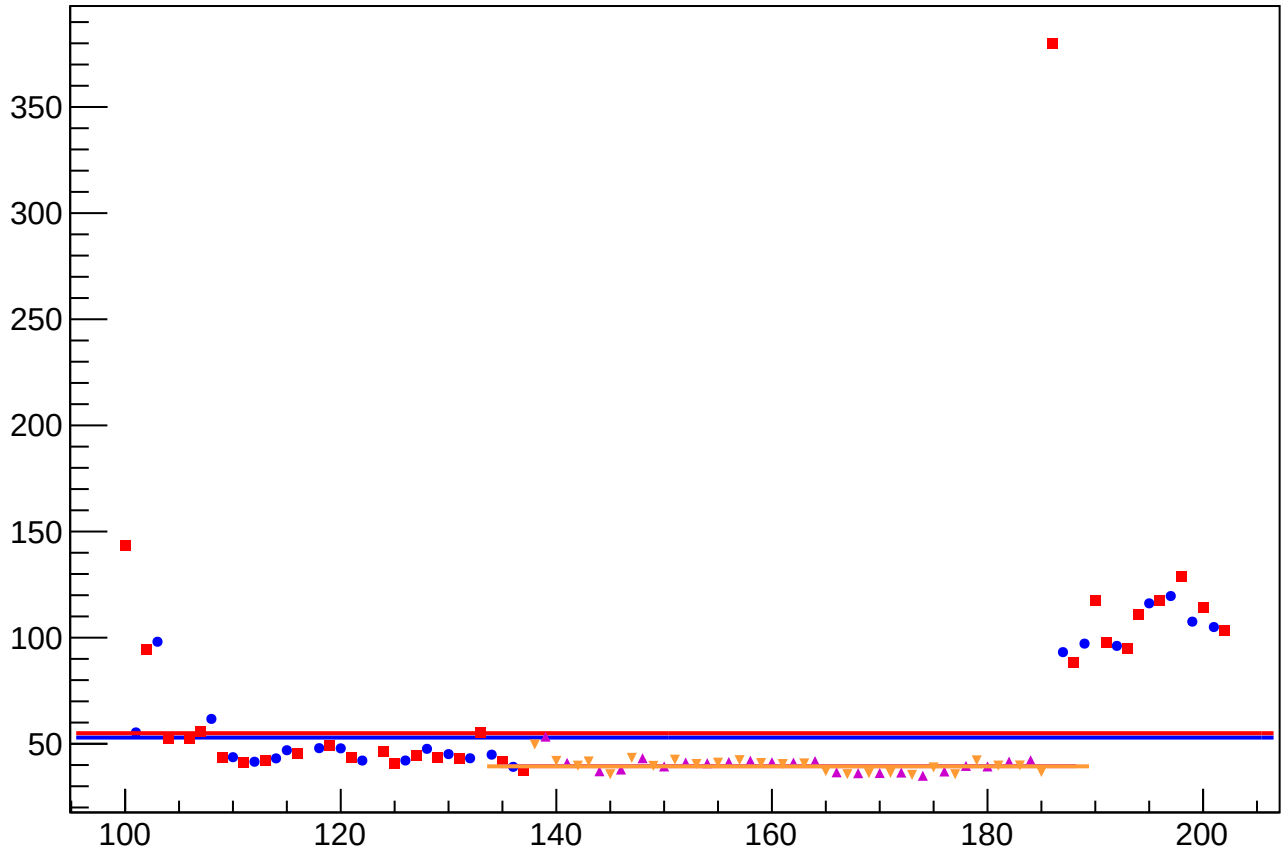
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 30.284+/-11.435 χ^2/NDF: 53.5/51

In: -14.722+/-8.068 χ^2/NDF:45.2/45

Out: -16.437+/-7.837 χ^2/NDF:111.1/53

All: -15.605+/-5.622 χ^2/NDF: 156.3/99



Right In: 52.938+/-0.012 χ^2/NDF: 3388128.5/22

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 54.995+/-0.011 χ^2/NDF: 4837598.6/28

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

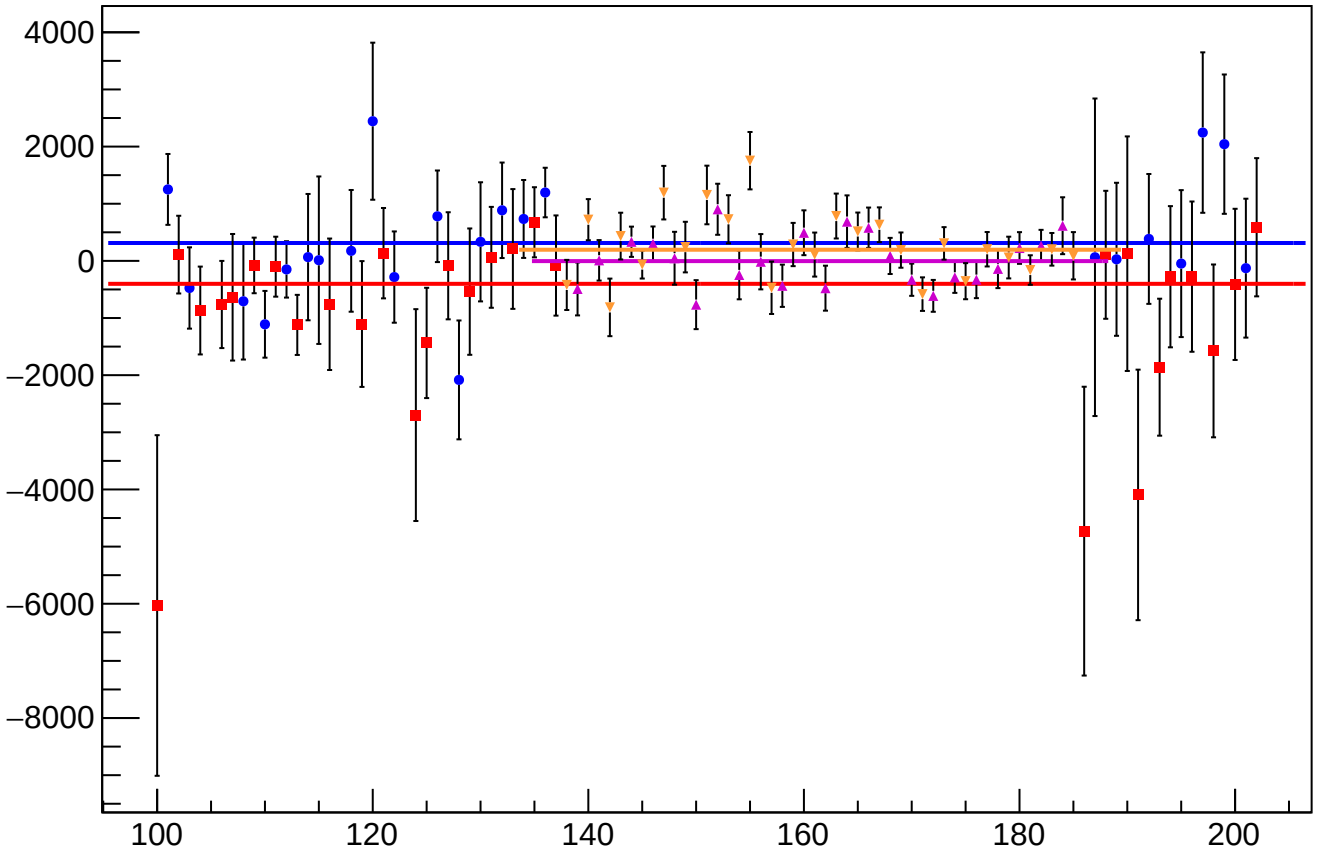
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 53.992+/-0.008 χ^2/NDF: 8241885.4/51

In: 42.754+/-0.006 χ^2/NDF:4660960.1/45

Out: 43.141+/-0.006 χ^2/NDF:6517158.5/53

All: 42.953+/-0.004 χ^2/NDF: 11180477.8/99



Right In: 313.089+/-173.878 χ^2/NDF: 29.2/22

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -401.560+/-167.473 χ^2/NDF: 23.8/28

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

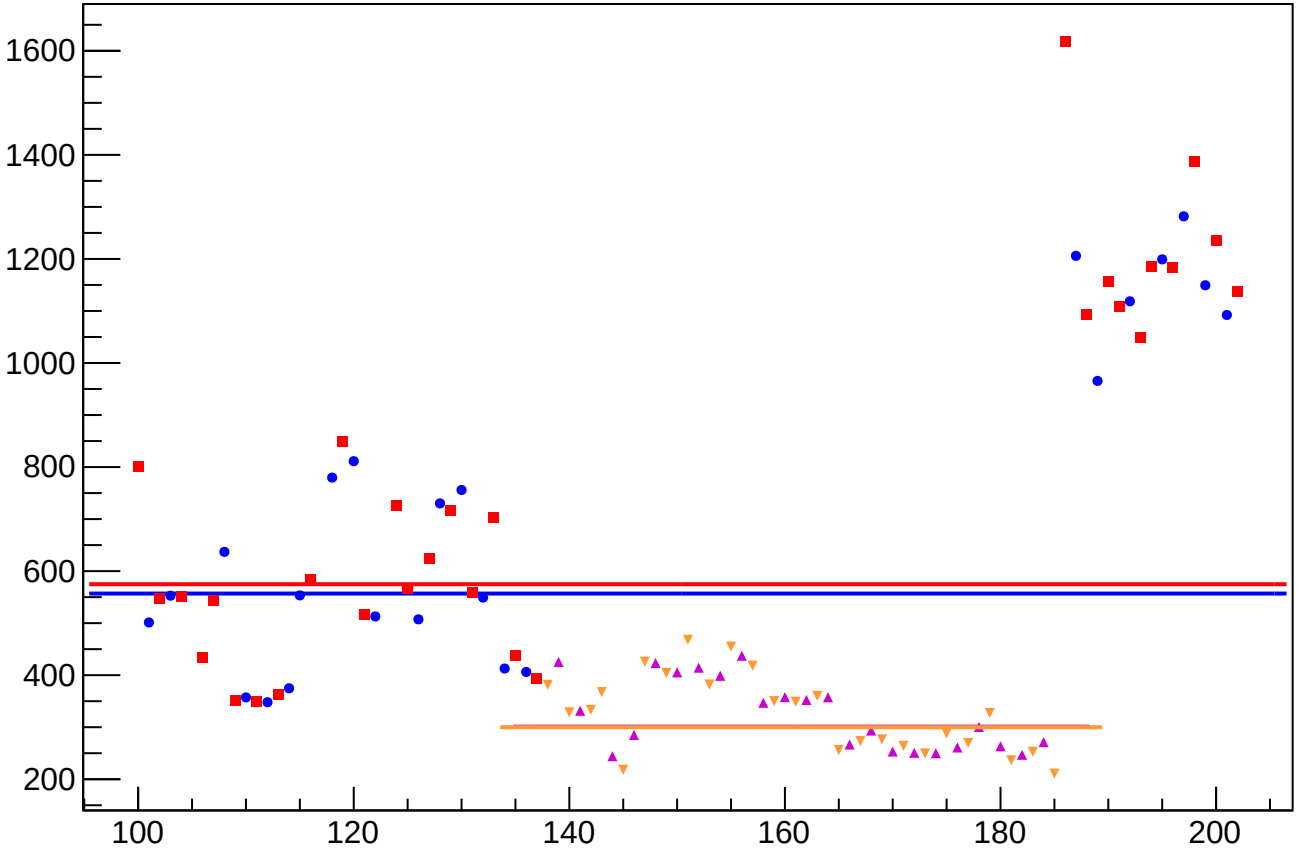
Right: -57.640+/-120.622 χ^2/NDF: 61.8/51

In: 42.378+/-66.507 χ^2/NDF:64.4/45

Out: 106.103+/-64.658 χ^2/NDF:83.2/53

All: 75.139+/-46.360 χ^2/NDF: 148.1/99

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 556.860+/-0.123 χ^2/NDF: 3981950.8/22

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 574.803+/-0.118 χ^2/NDF: 5394559.6/28

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

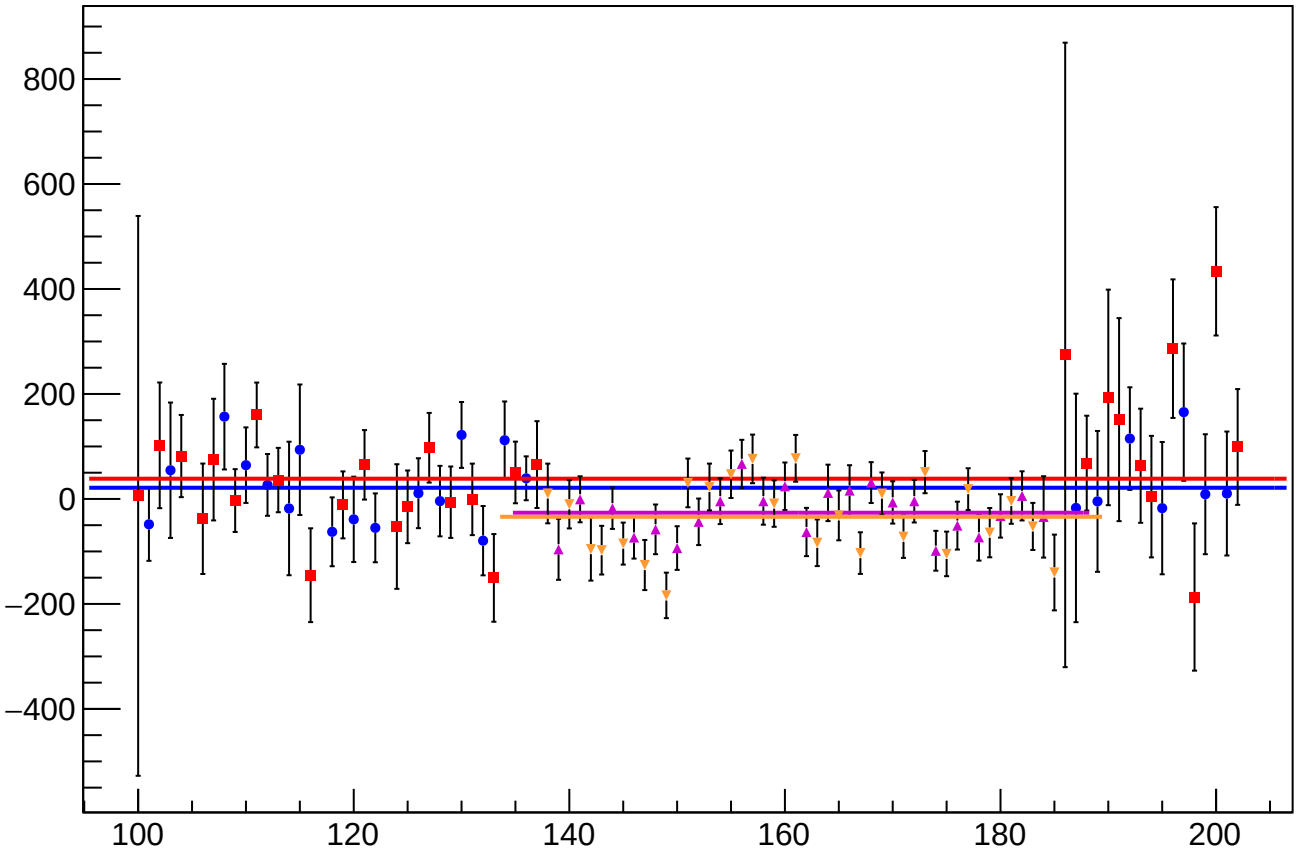
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 566.168+/-0.085 χ^2/NDF: 9387557.8/51

In: 338.432+/-0.047 χ^2/NDF:9086163.5/45

Out: 340.941+/-0.046 χ^2/NDF:11786081.1/53

All: 339.722+/-0.033 χ^2/NDF: 20873708.0/99



Right In: 21.310+/-16.379 χ^2/NDF: 16.3/22

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 38.577+/-15.975 χ^2/NDF: 36.7/28

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

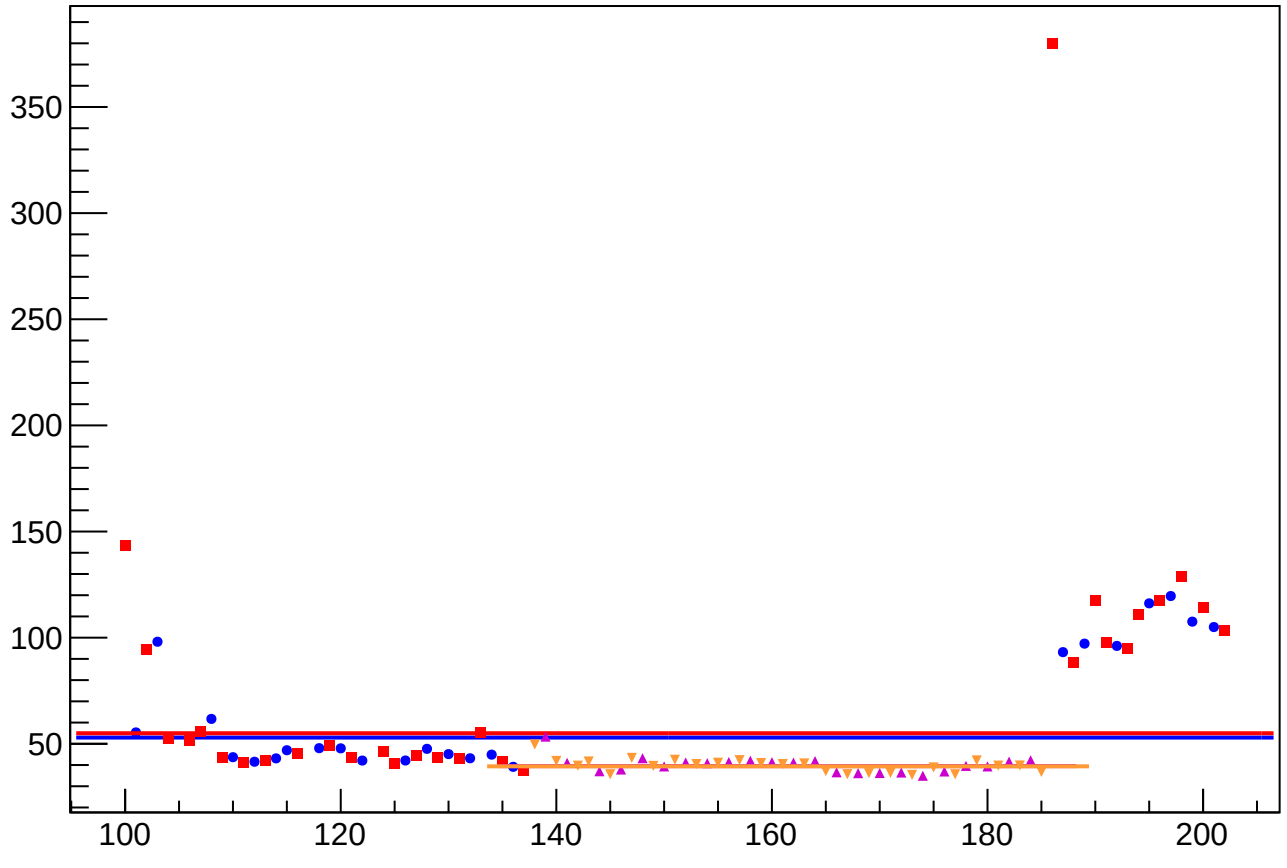
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 30.159+/-11.436 χ^2/NDF: 53.6/51

In: -14.721+/-8.068 χ^2/NDF:45.2/45

Out: -16.499+/-7.837 χ^2/NDF:111.1/53

All: -15.636+/-5.622 χ^2/NDF: 156.3/99



Right In: 52.938+/-0.012 χ^2/NDF: 3388131.6/22

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 54.976+/-0.011 χ^2/NDF: 4838672.6/28

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

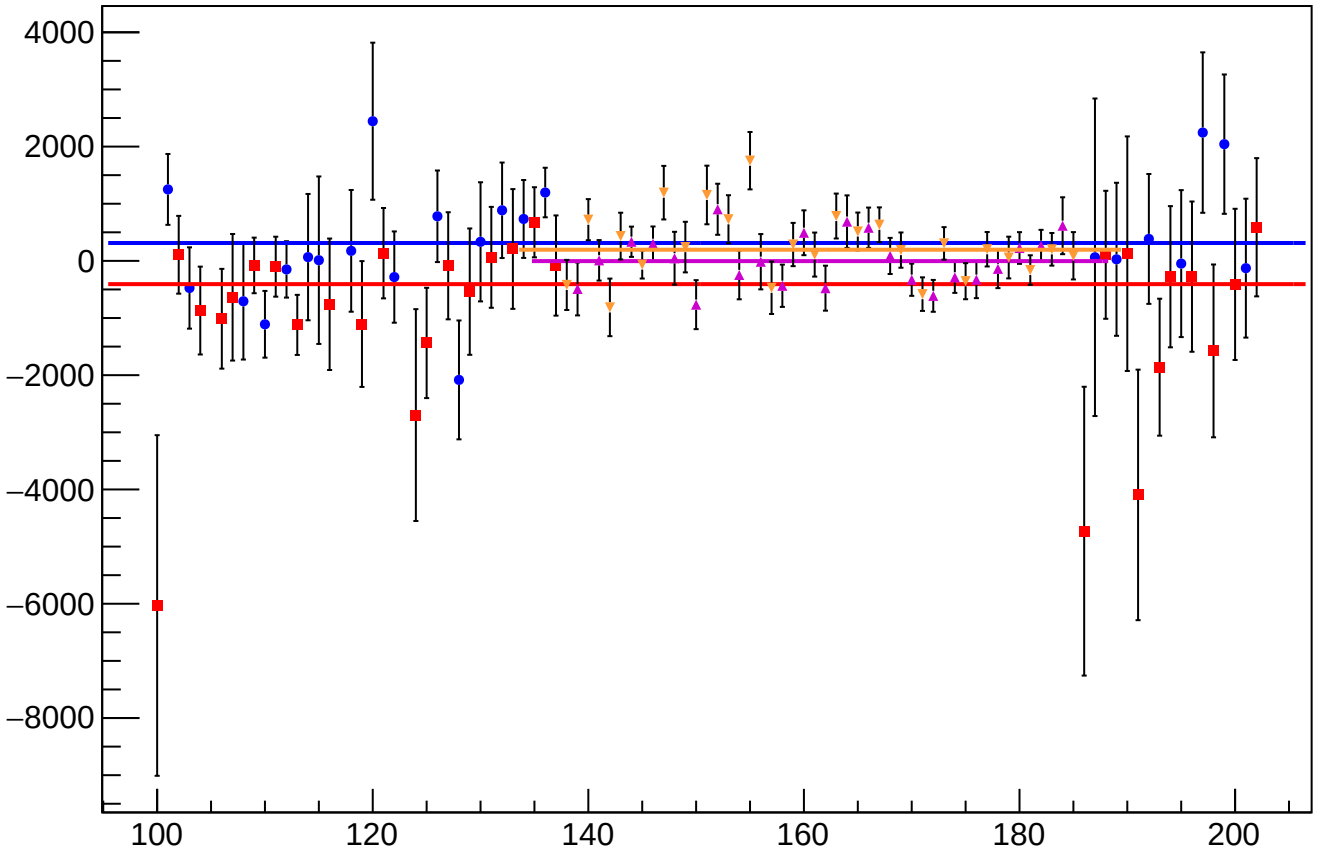
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 53.983+/-0.008 χ^2/NDF: 8242675.5/51

In: 42.754+/-0.006 χ^2/NDF:4660963.1/45

Out: 43.136+/-0.006 χ^2/NDF:6514602.6/53

All: 42.950+/-0.004 χ^2/NDF: 11177863.8/99



Right In: 313.093+/-173.879 χ^2/NDF: 29.2/22

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -406.910+/-168.444 χ^2/NDF: 24.1/28

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

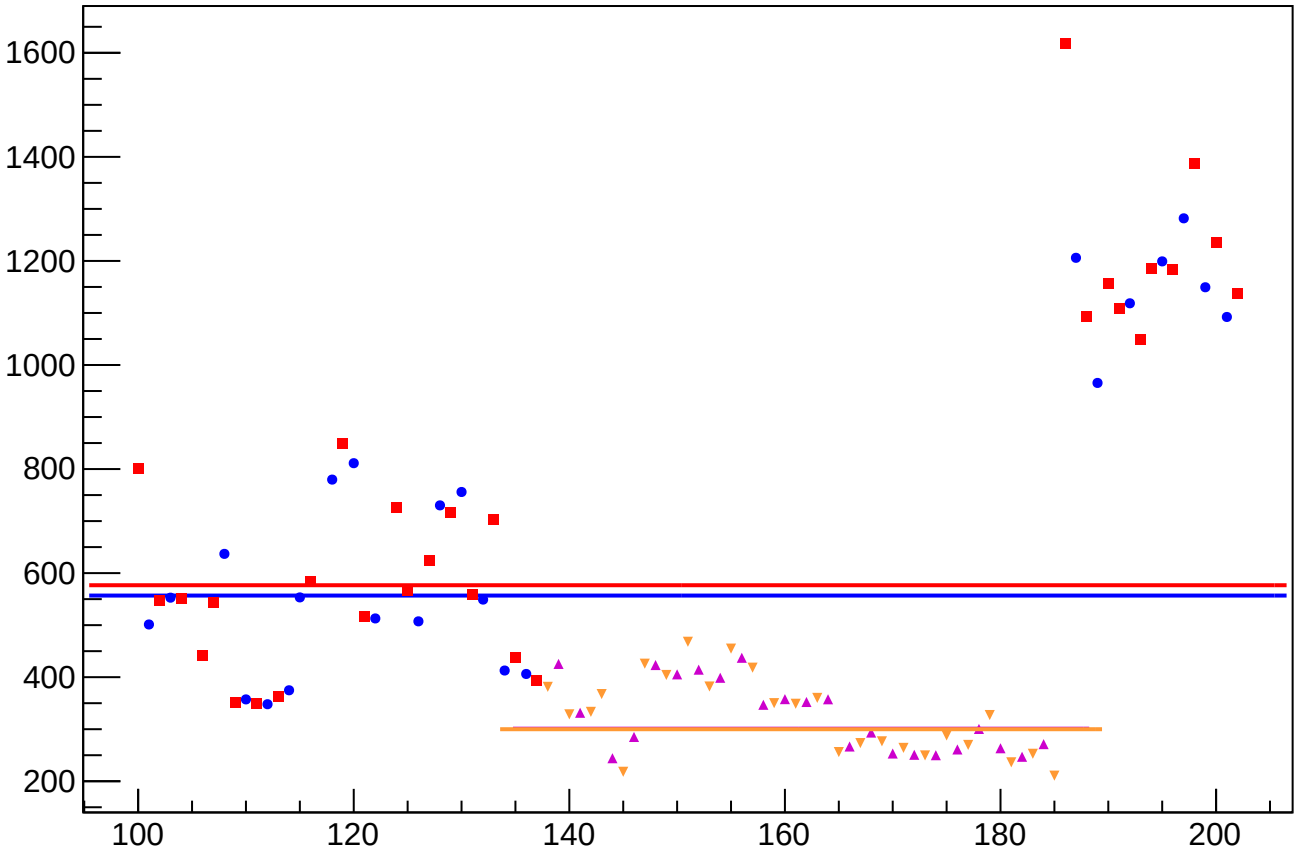
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -58.338+/-120.984 χ^2/NDF: 62.2/51

In: 42.378+/-66.507 χ^2/NDF:64.4/45

Out: 106.183+/-64.714 χ^2/NDF:83.6/53

All: 75.153+/-46.381 χ^2/NDF: 148.5/99



Right In: 556.863+/-0.123 χ^2/NDF: 3981956.3/22

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 576.724+/-0.119 χ^2/NDF: 5372863.1/28

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

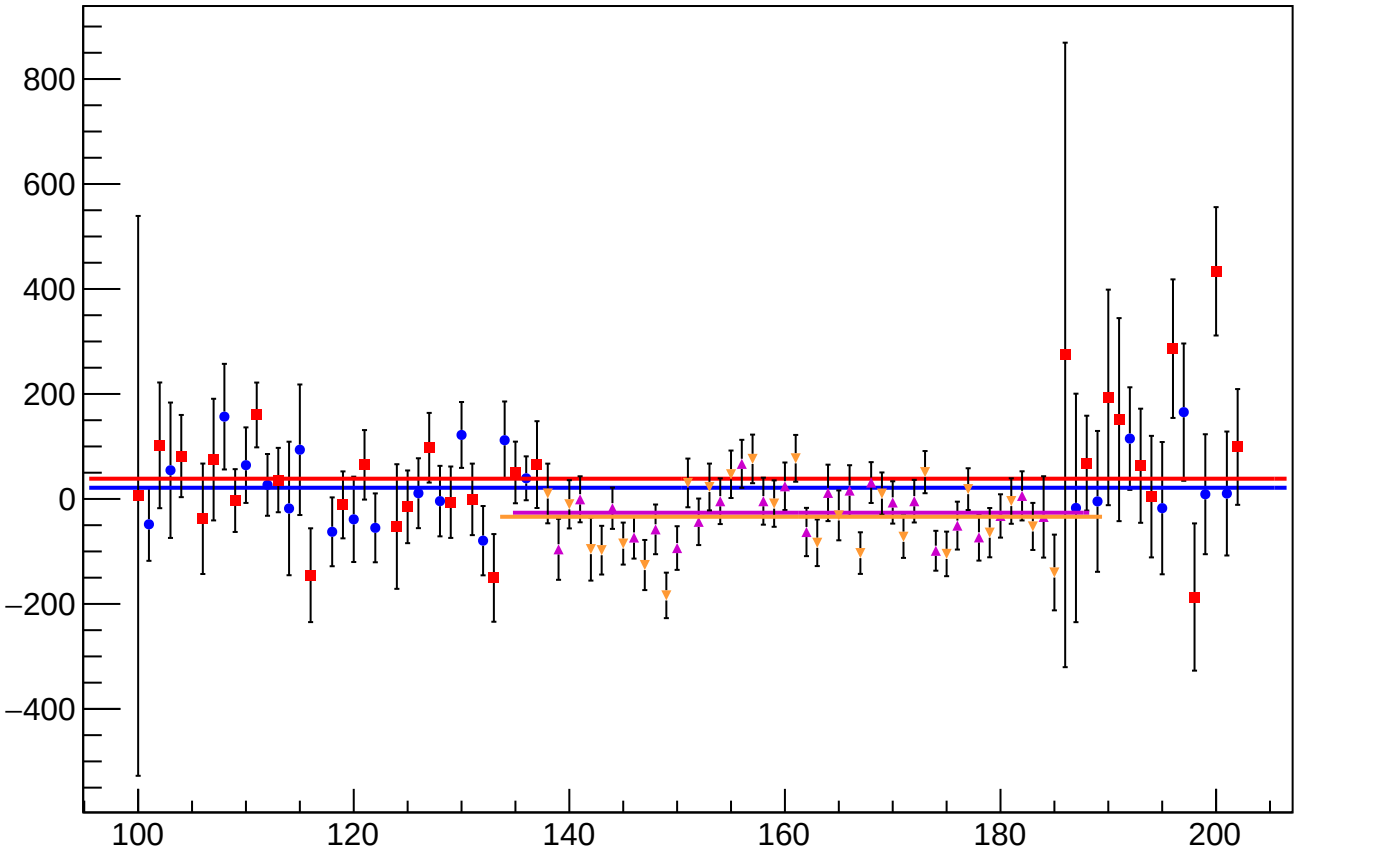
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

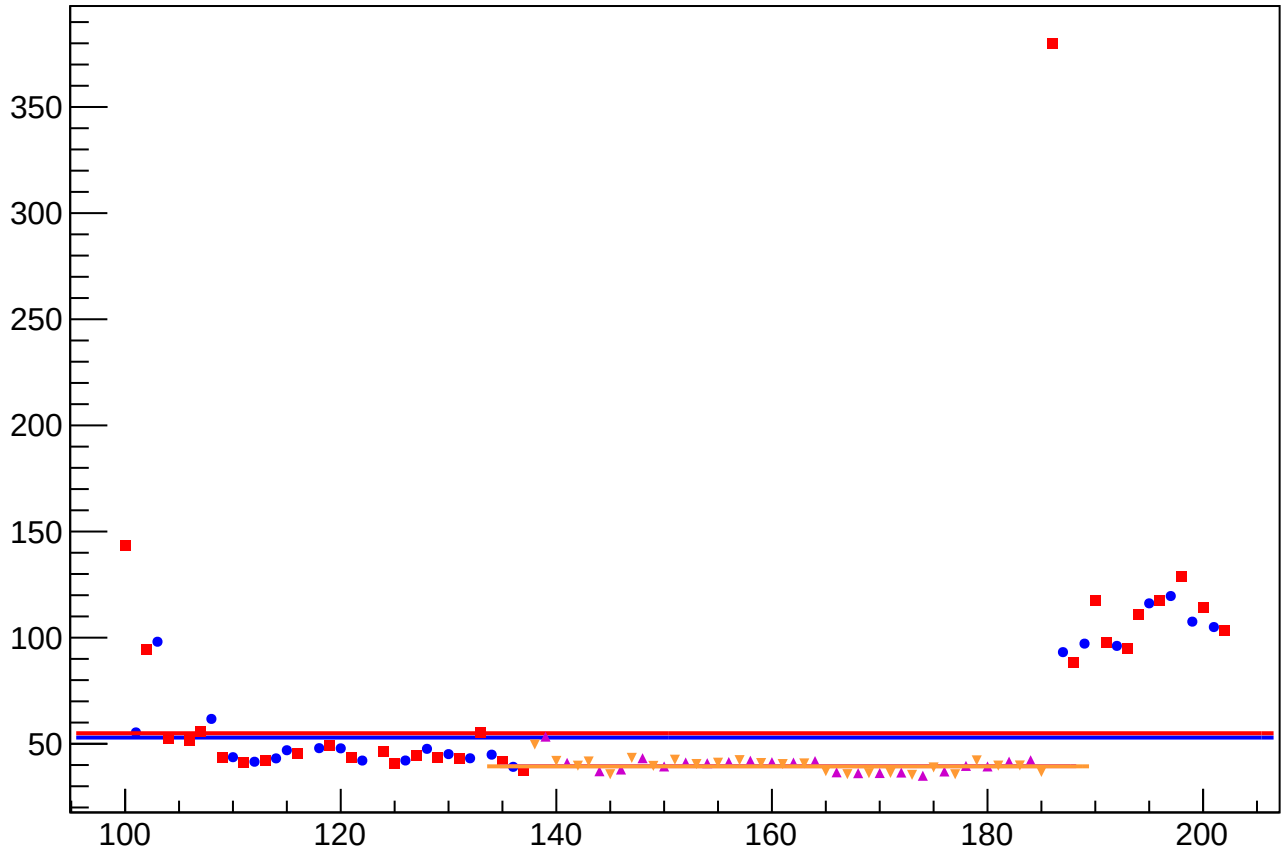
Right: 567.109+/-0.086 χ^2/NDF: 9368280.3/51

In: 338.432+/-0.047 χ^2/NDF:9086226.1/45

Out: 340.824+/-0.046 χ^2/NDF:11783155.5/53

All: 339.661+/-0.033 χ^2/NDF: 20870709.9/99


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
Right In: 21.310+/-16.379 χ²/NDF: 16.3/22
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 38.577+/-15.975 χ²/NDF: 36.7/28
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 30.159+/-11.436 χ²/NDF: 53.6/51
In: -14.721+/-8.068 χ²/NDF:45.2/45
Out: -16.499+/-7.837 χ²/NDF:111.1/53
All: -15.636+/-5.622 χ²/NDF: 156.3/99



Right In: 52.938+/-0.012 χ^2/NDF: 3388131.6/22

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 54.976+/-0.011 χ^2/NDF: 4838672.6/28

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

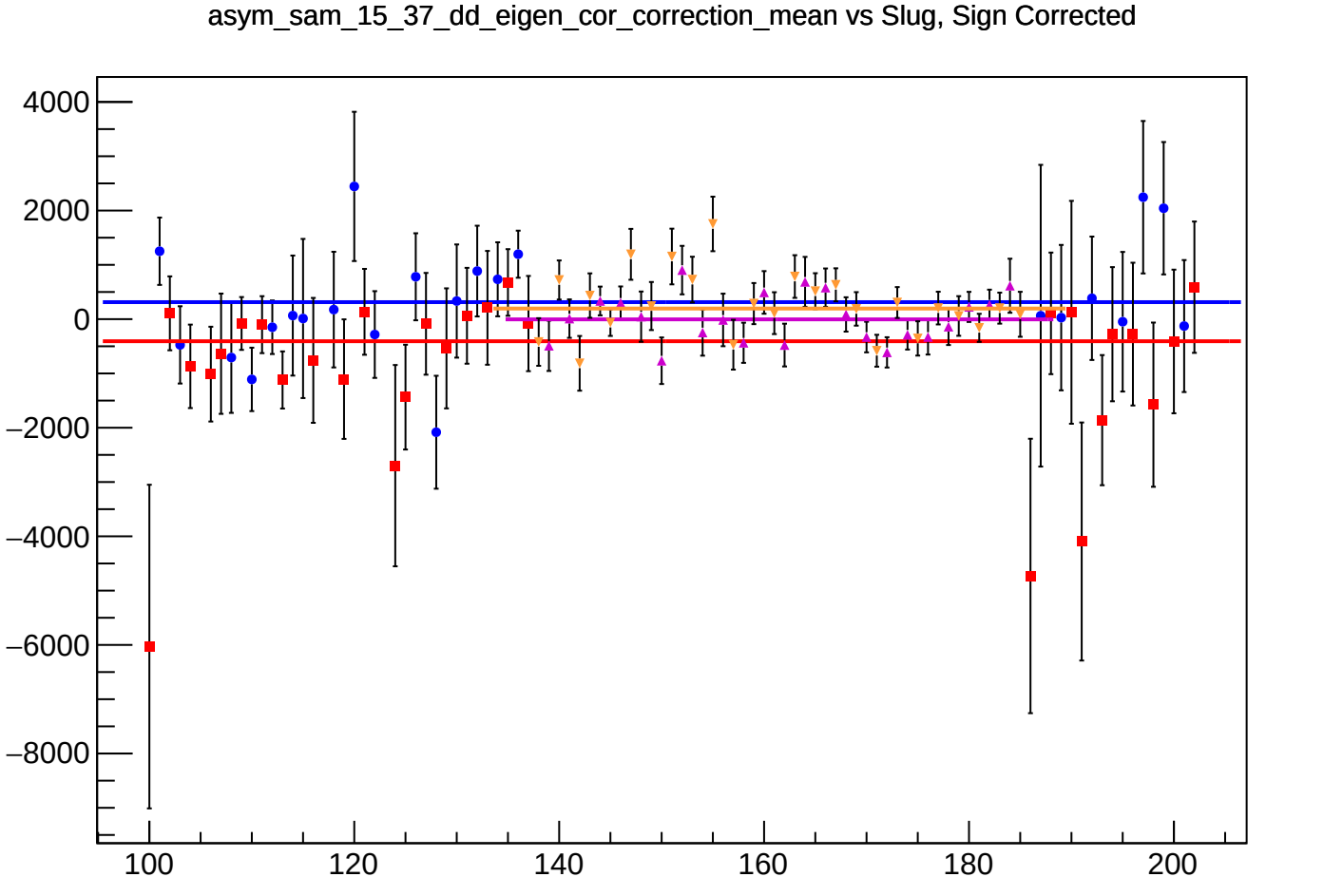
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 53.983+/-0.008 χ^2/NDF: 8242675.5/51

In: 42.754+/-0.006 χ^2/NDF:4660963.1/45

Out: 43.136+/-0.006 χ^2/NDF:6514602.6/53

All: 42.950+/-0.004 χ^2/NDF: 11177863.8/99



Right In: 313.093+/-173.879 χ^2/NDF: 29.2/22

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -406.910+/-168.444 χ^2/NDF: 24.1/28

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

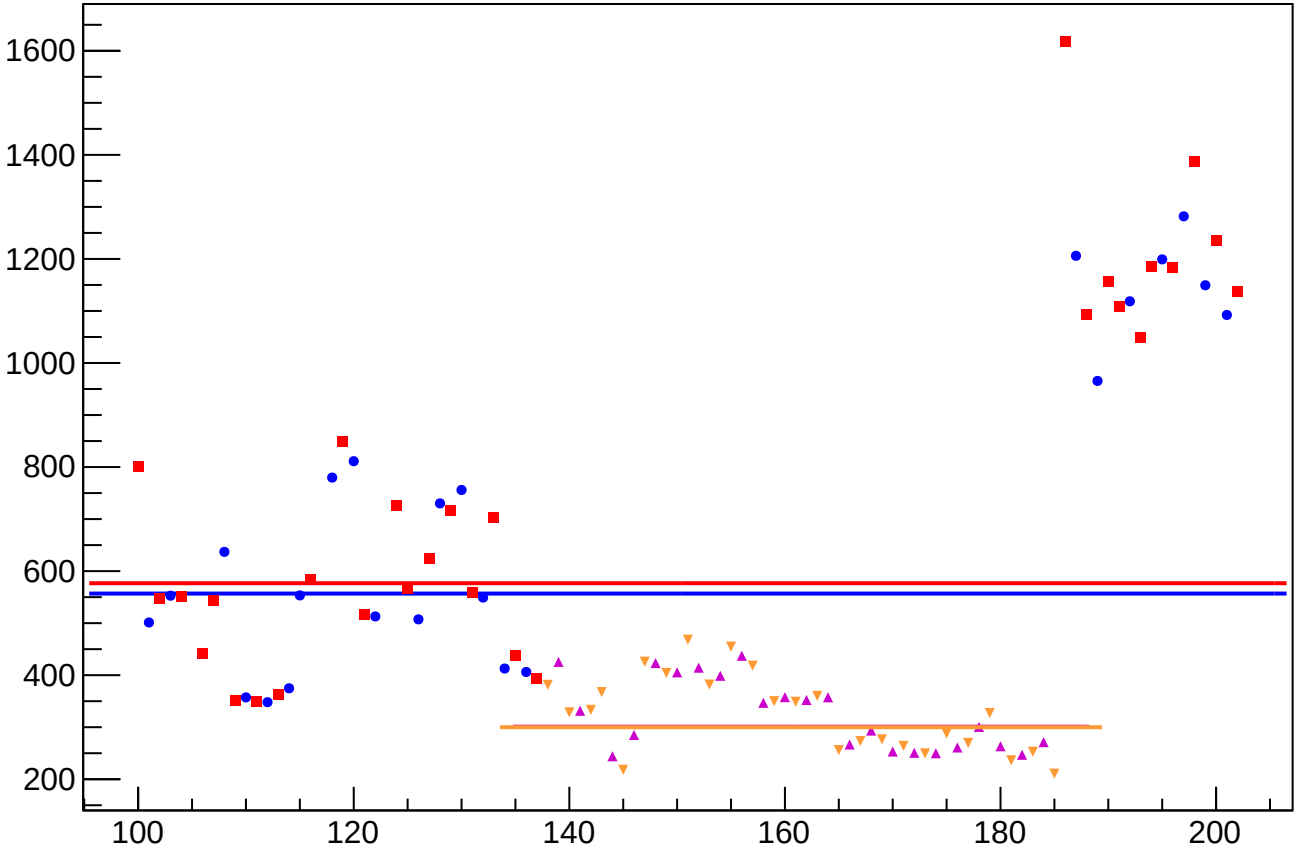
Right: -58.338+/-120.984 χ^2/NDF: 62.2/51

In: 42.378+/-66.507 χ^2/NDF:64.4/45

Out: 106.183+/-64.714 χ^2/NDF:83.6/53

All: 75.153+/-46.381 χ^2/NDF: 148.5/99

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 556.863+/-0.123 χ^2/NDF: 3981956.3/22

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 576.724+/-0.119 χ^2/NDF: 5372863.1/28

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

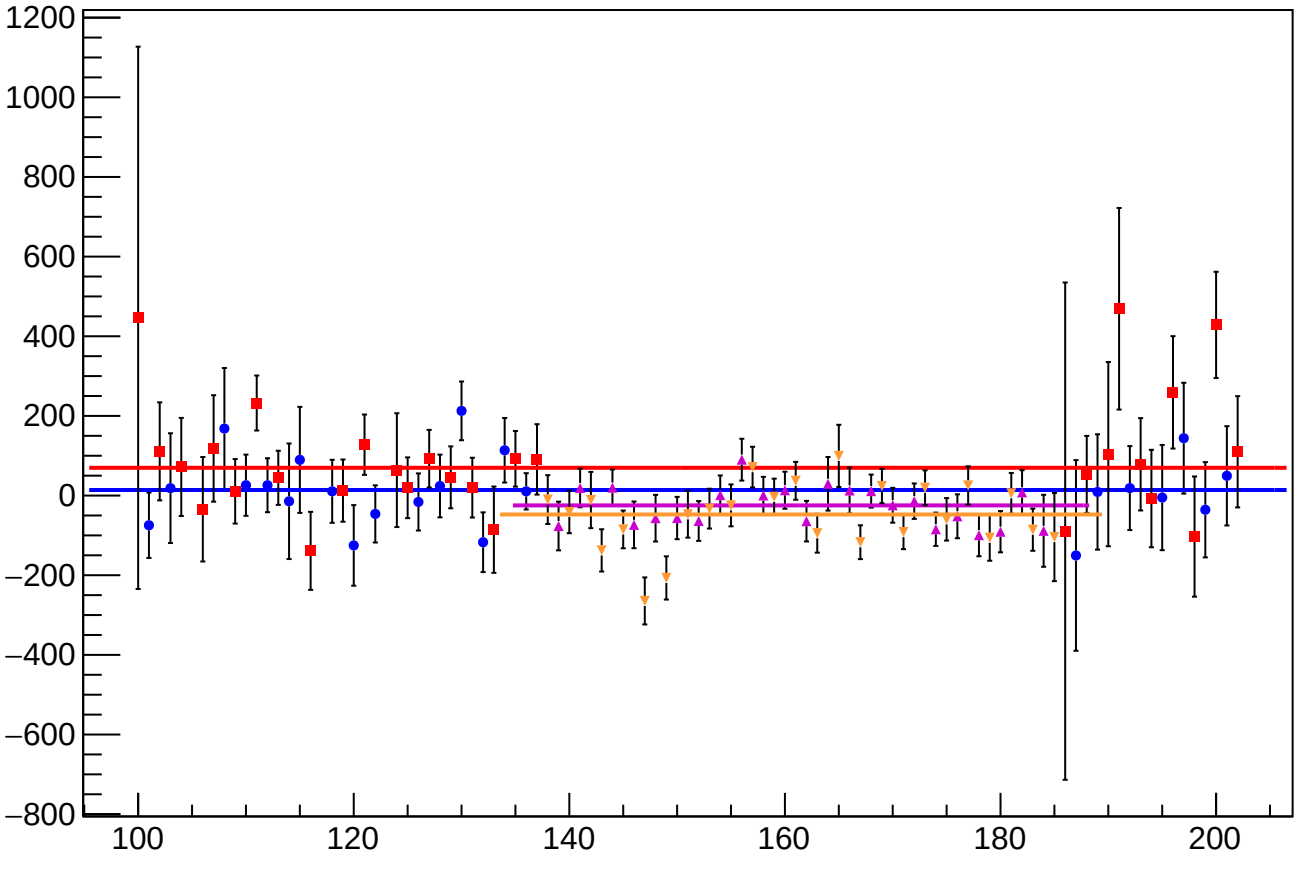
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 567.109+/-0.086 χ^2/NDF: 9368280.3/51

In: 338.432+/-0.047 χ^2/NDF:9086226.1/45

Out: 340.824+/-0.046 χ^2/NDF:11783155.5/53

All: 339.661+/-0.033 χ^2/NDF: 20870709.9/99



Right In: 13.973+/-18.454 χ^2/NDF: 18.9/22

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 69.771+/-18.477 χ^2/NDF: 29.8/28

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

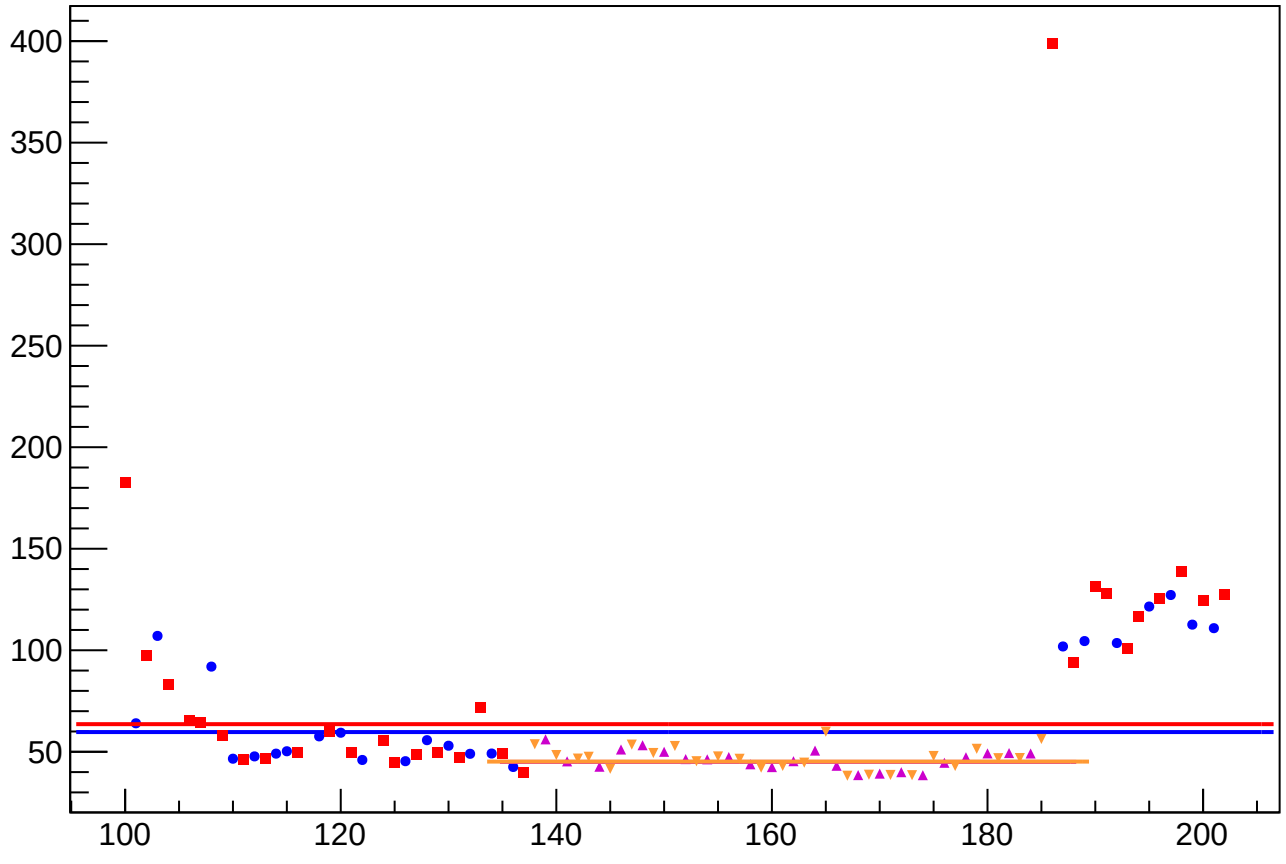
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 41.838+/-13.057 χ^2/NDF: 53.2/51

In: -15.014+/-9.230 χ^2/NDF:41.8/45

Out: -19.302+/-9.058 χ^2/NDF:115.1/53

All: -17.199+/-6.465 χ^2/NDF: 157.0/99



Right In: 59.715+/-0.013 χ^2/NDF: 3245795.1/22

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.610+/-0.013 χ^2/NDF: 4632727.6/28

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

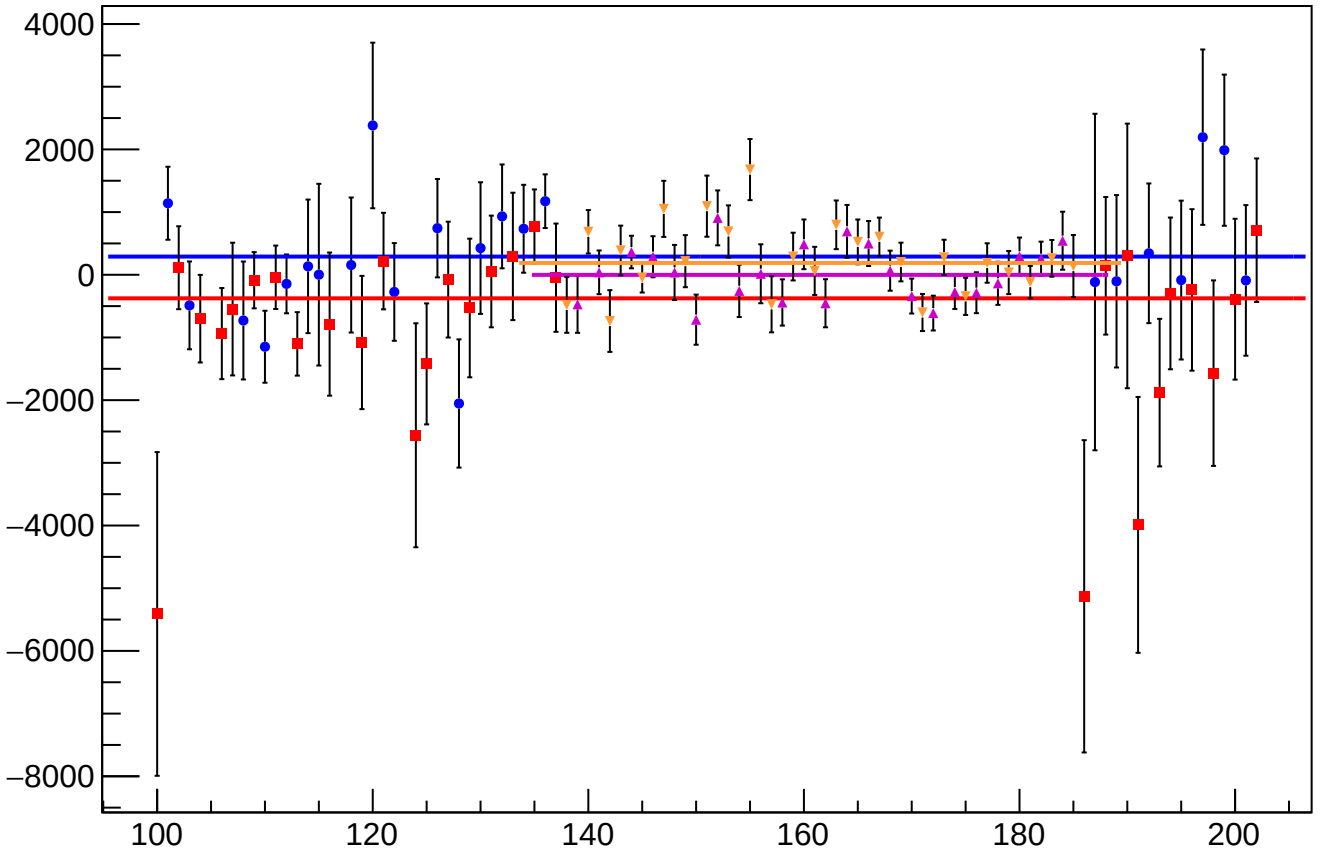
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 61.660+/-0.009 χ^2/NDF: 7923009.9/51

In: 48.695+/-0.007 χ^2/NDF:4569785.9/45

Out: 49.605+/-0.006 χ^2/NDF:6635105.6/53

All: 49.159+/-0.005 χ^2/NDF: 11214807.0/99



Right In: 290.314+/-170.114 χ^2/NDF: 29.8/22

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -375.683+/-161.249 χ^2/NDF: 26.9/28

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

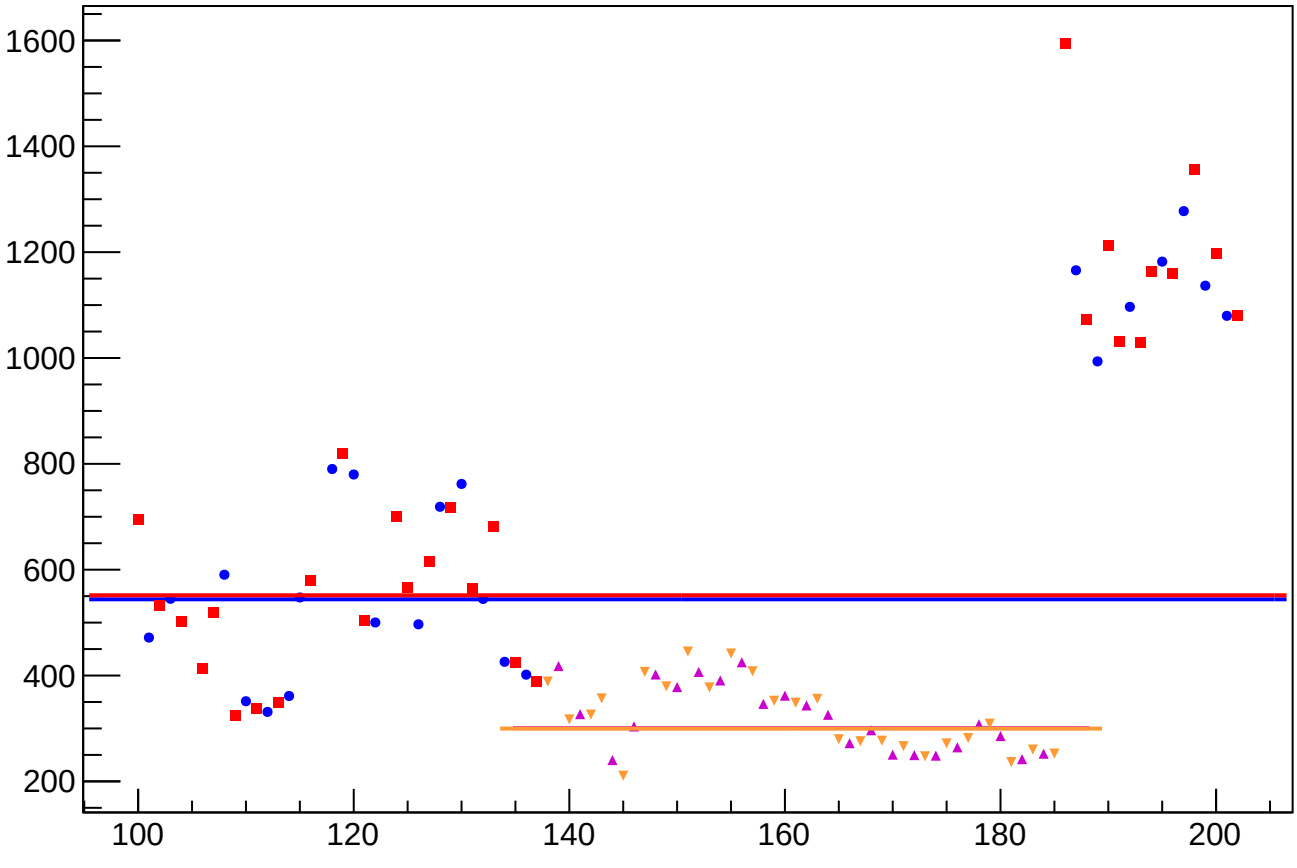
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: -60.491+/-117.029 χ^2/NDF: 64.7/51

In: 42.401+/-66.081 χ^2/NDF:64.5/45

Out: 99.916+/-63.989 χ^2/NDF:83.9/53

All: 72.083+/-45.969 χ^2/NDF: 148.8/99



Right In: 543.992+/-0.120 χ^2/NDF: 4087220.0/22

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 551.627+/-0.114 χ^2/NDF: 5602205.2/28

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

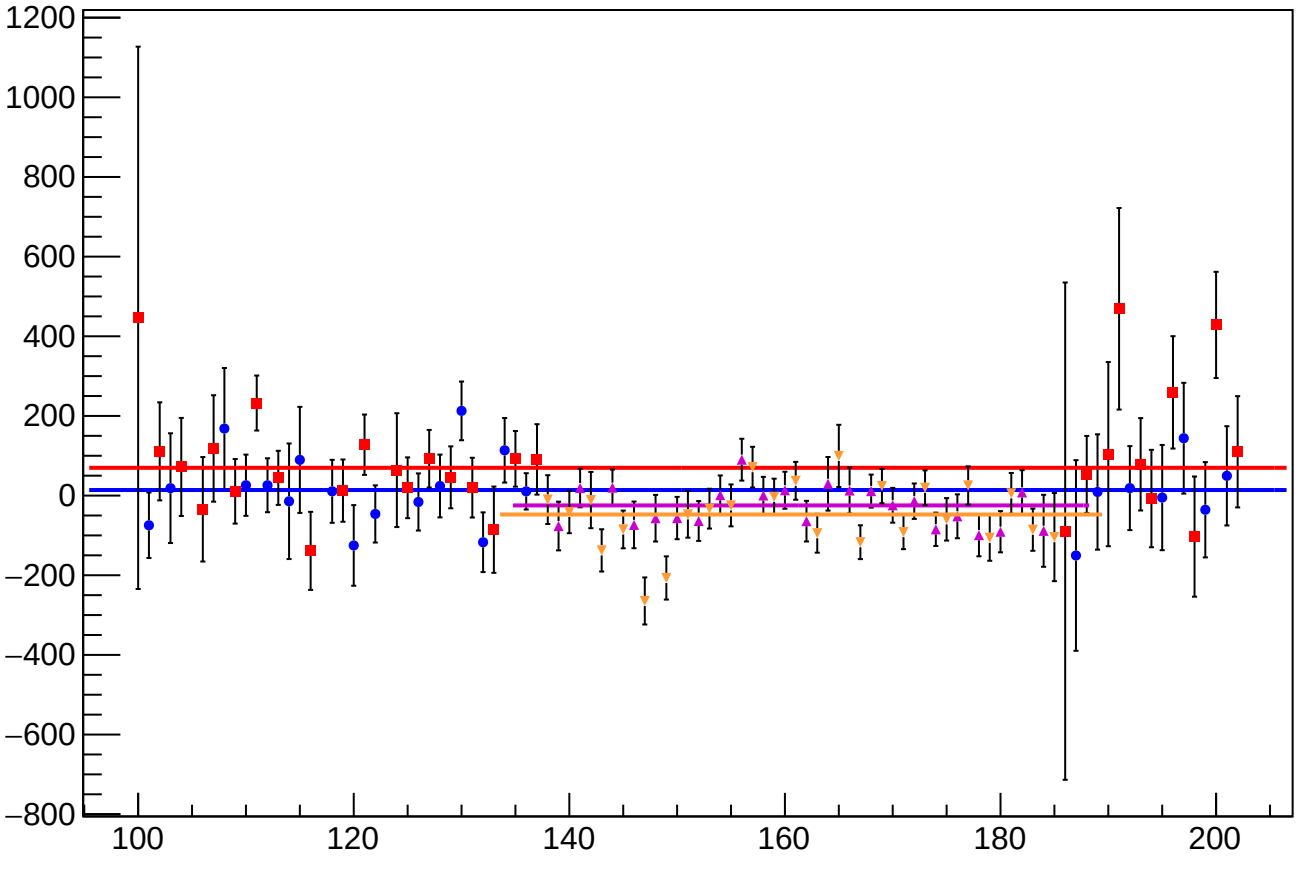
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 548.013+/-0.083 χ^2/NDF: 9691547.5/51

In: 337.279+/-0.047 χ^2/NDF:8824427.5/45

Out: 339.456+/-0.045 χ^2/NDF:11289498.5/53

All: 338.402+/-0.033 χ^2/NDF: 20115046.7/99



Right In: 13.973+/-18.454 χ^2/NDF: 18.9/22

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 69.772+/-18.477 χ^2/NDF: 29.8/28

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

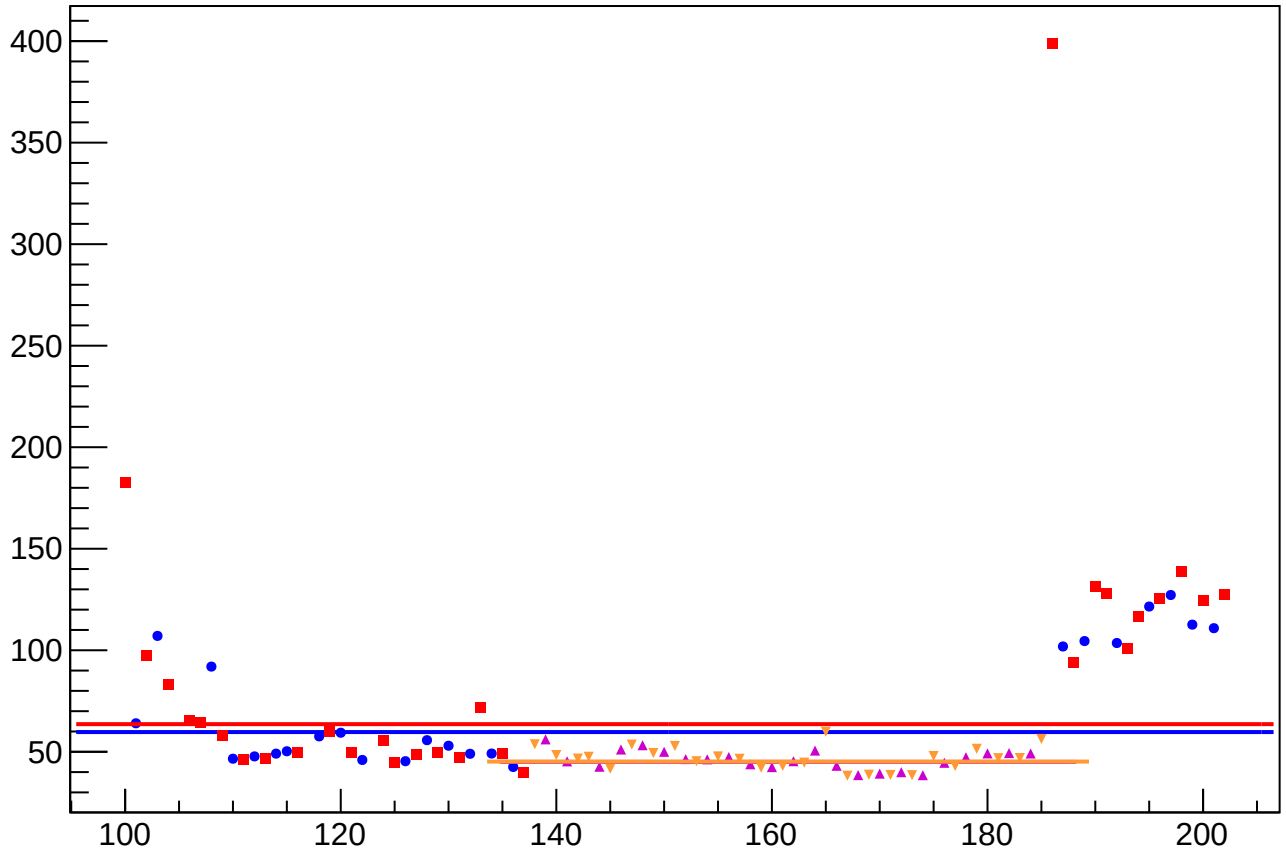
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 41.838+/-13.057 χ^2/NDF: 53.2/51

In: -15.015+/-9.230 χ^2/NDF:41.8/45

Out: -19.302+/-9.058 χ^2/NDF:115.1/53

All: -17.199+/-6.465 χ^2/NDF: 157.0/99



Right In: 59.715+/-0.013 χ^2/NDF: 3245801.5/22

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.610+/-0.013 χ^2/NDF: 4632731.7/28

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

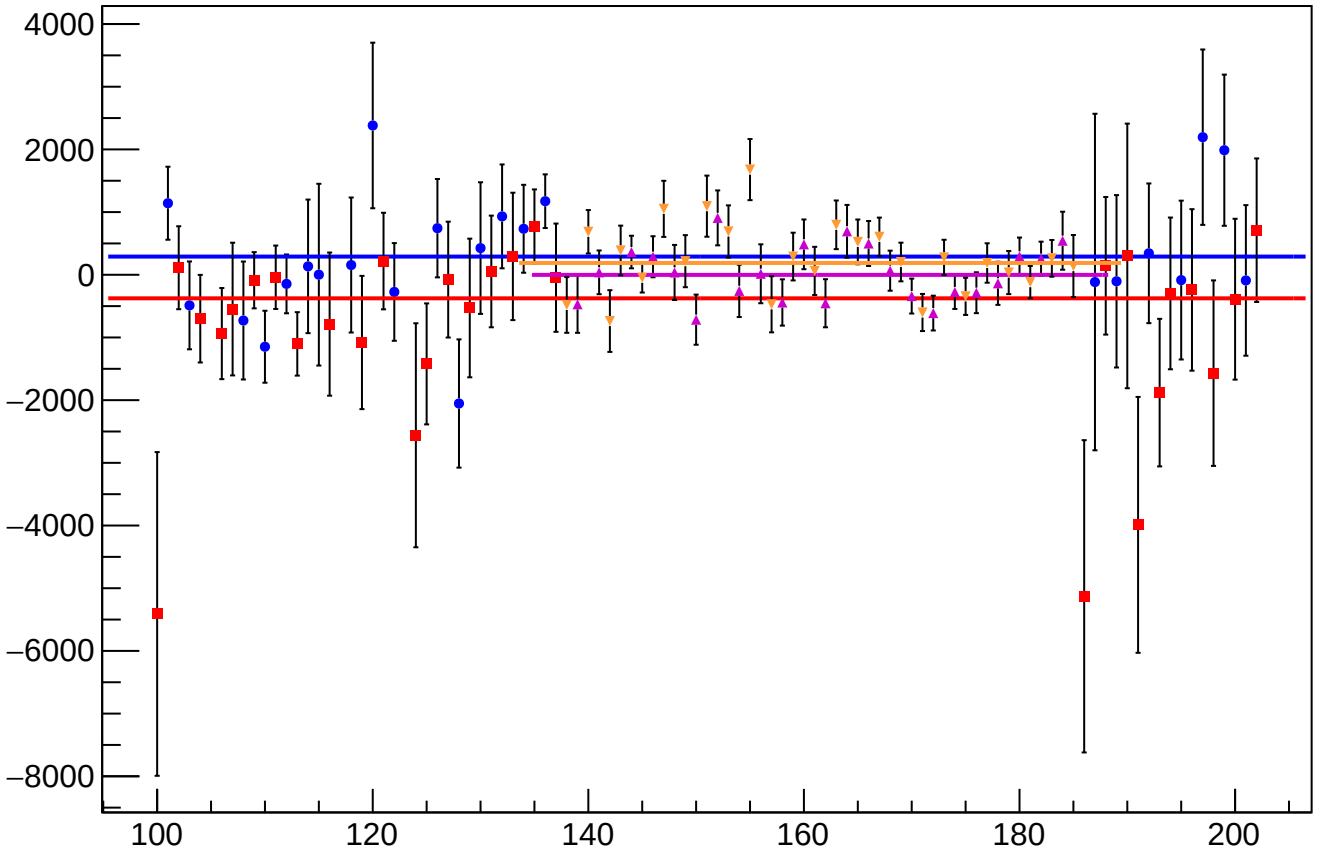
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 61.660+/-0.009 χ^2/NDF: 7923021.3/51

In: 48.695+/-0.007 χ^2/NDF:4569790.8/45

Out: 49.605+/-0.006 χ^2/NDF:6635118.5/53

All: 49.159+/-0.005 χ^2/NDF: 11214824.3/99



Right In: 290.312+/-170.114 χ^2/NDF: 29.8/22

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -375.683+/-161.248 χ^2/NDF: 26.9/28

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

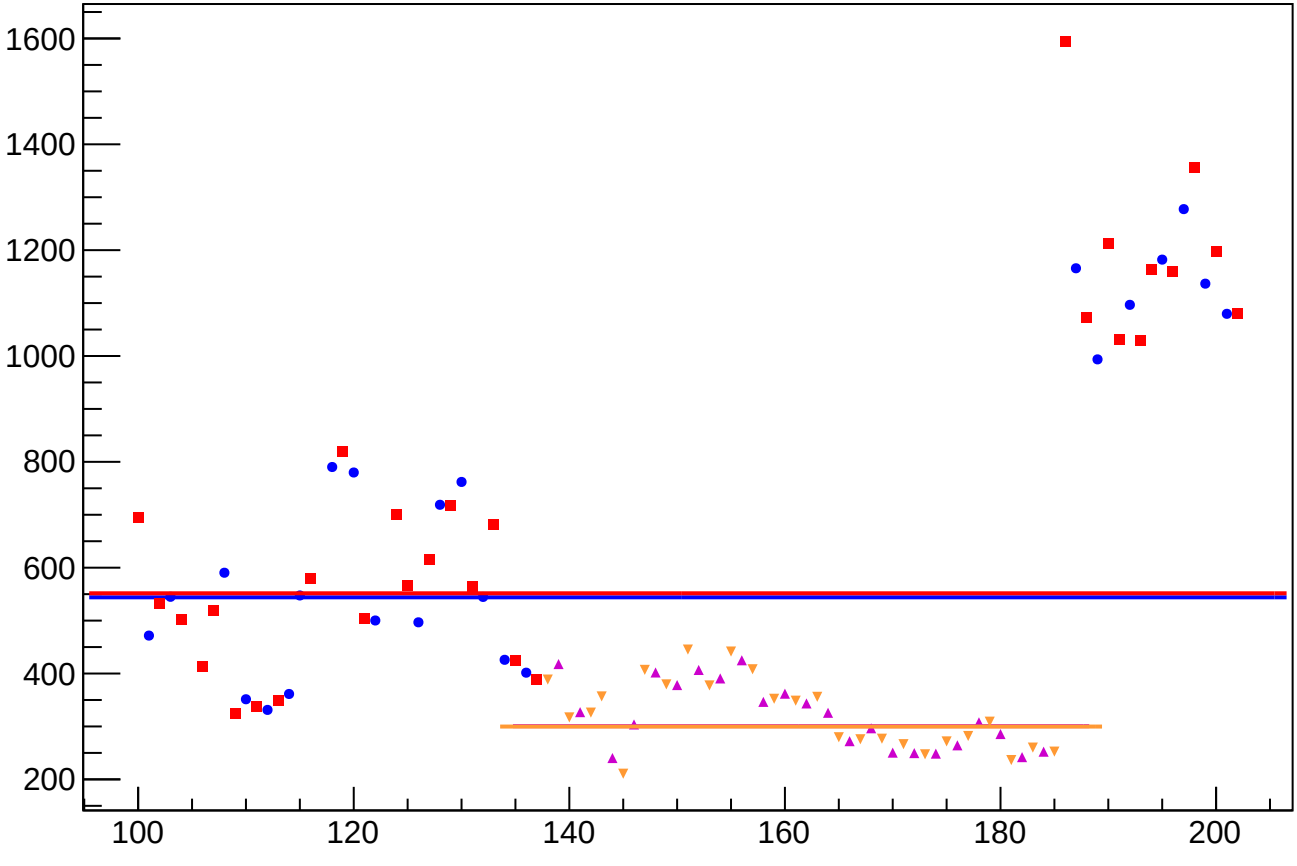
Right: -60.491+/-117.029 χ^2/NDF: 64.7/51

In: 42.402+/-66.081 χ^2/NDF:64.5/45

Out: 99.916+/-63.989 χ^2/NDF:83.9/53

All: 72.083+/-45.969 χ^2/NDF: 148.8/99

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 543.990+/-0.120 χ^2/NDF: 4087228.1/22

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 551.626+/-0.114 χ^2/NDF: 5602210.9/28

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

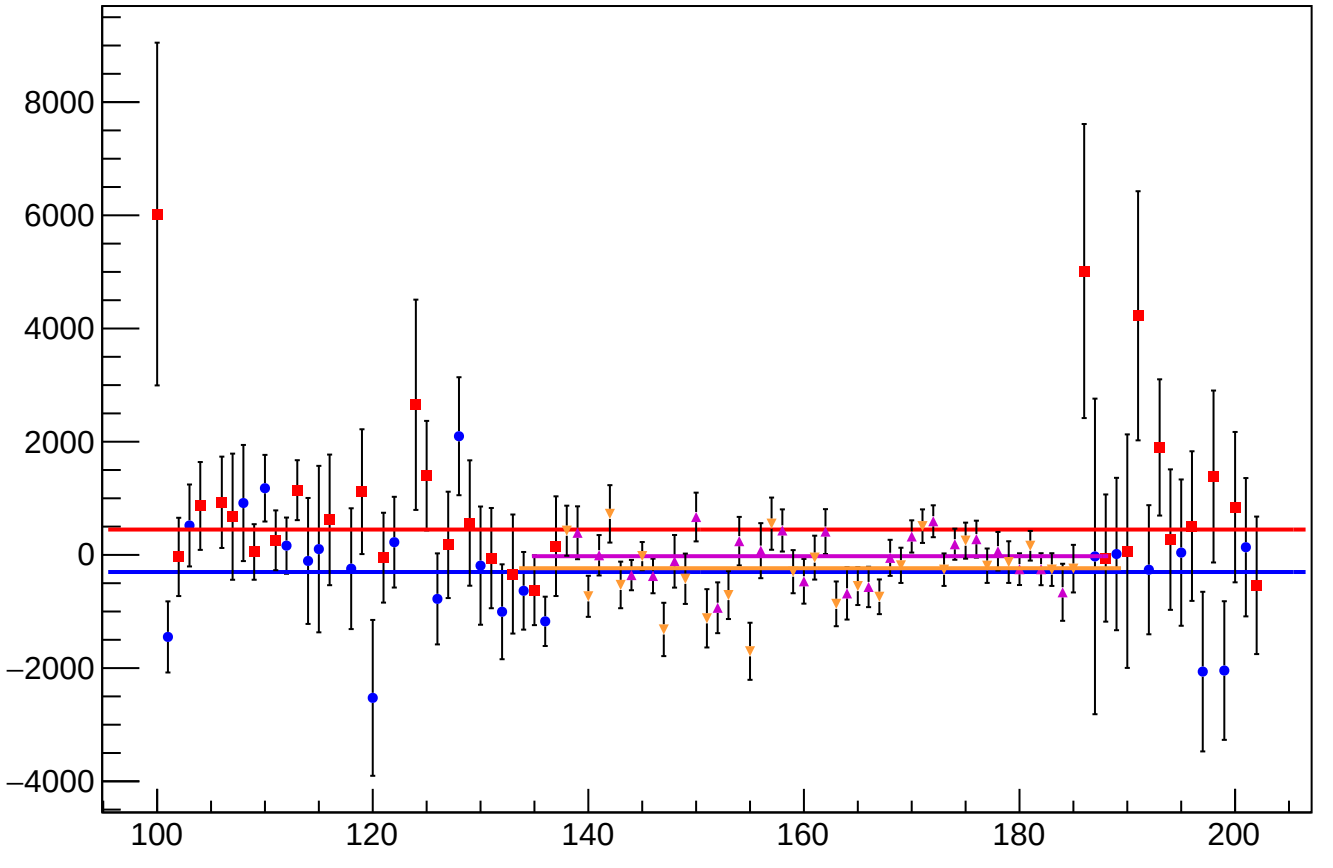
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 548.012+/-0.083 χ^2/NDF: 9691561.2/51

In: 337.279+/-0.047 χ^2/NDF:8824399.6/45

Out: 339.456+/-0.045 χ^2/NDF:11289477.7/53

All: 338.403+/-0.033 χ^2/NDF: 20114997.8/99



Right In: -302.144+/-175.011 χ^2/NDF: 30.8/22

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 448.033+/-168.932 χ^2/NDF: 23.2/28

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

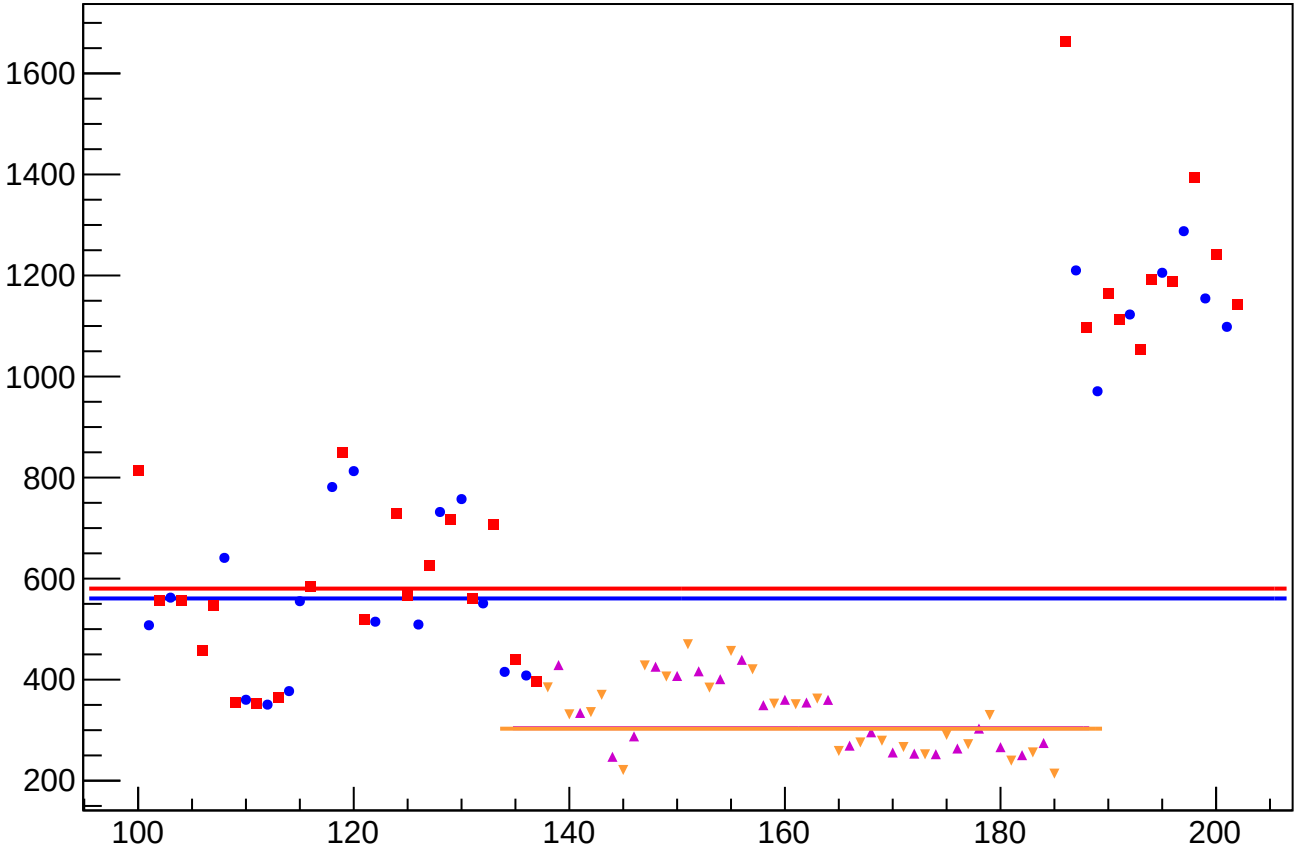
Right: 86.198+/-121.545 χ^2/NDF: 63.6/51

In: -63.737+/-67.092 χ^2/NDF:62.9/45

Out: -133.239+/-65.251 χ^2/NDF:84.6/53

All: -99.454+/-46.777 χ^2/NDF: 148.0/99

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 560.718+/-0.124 χ^2/NDF: 3964646.7/22

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 580.242+/-0.119 χ^2/NDF: 5355647.6/28

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

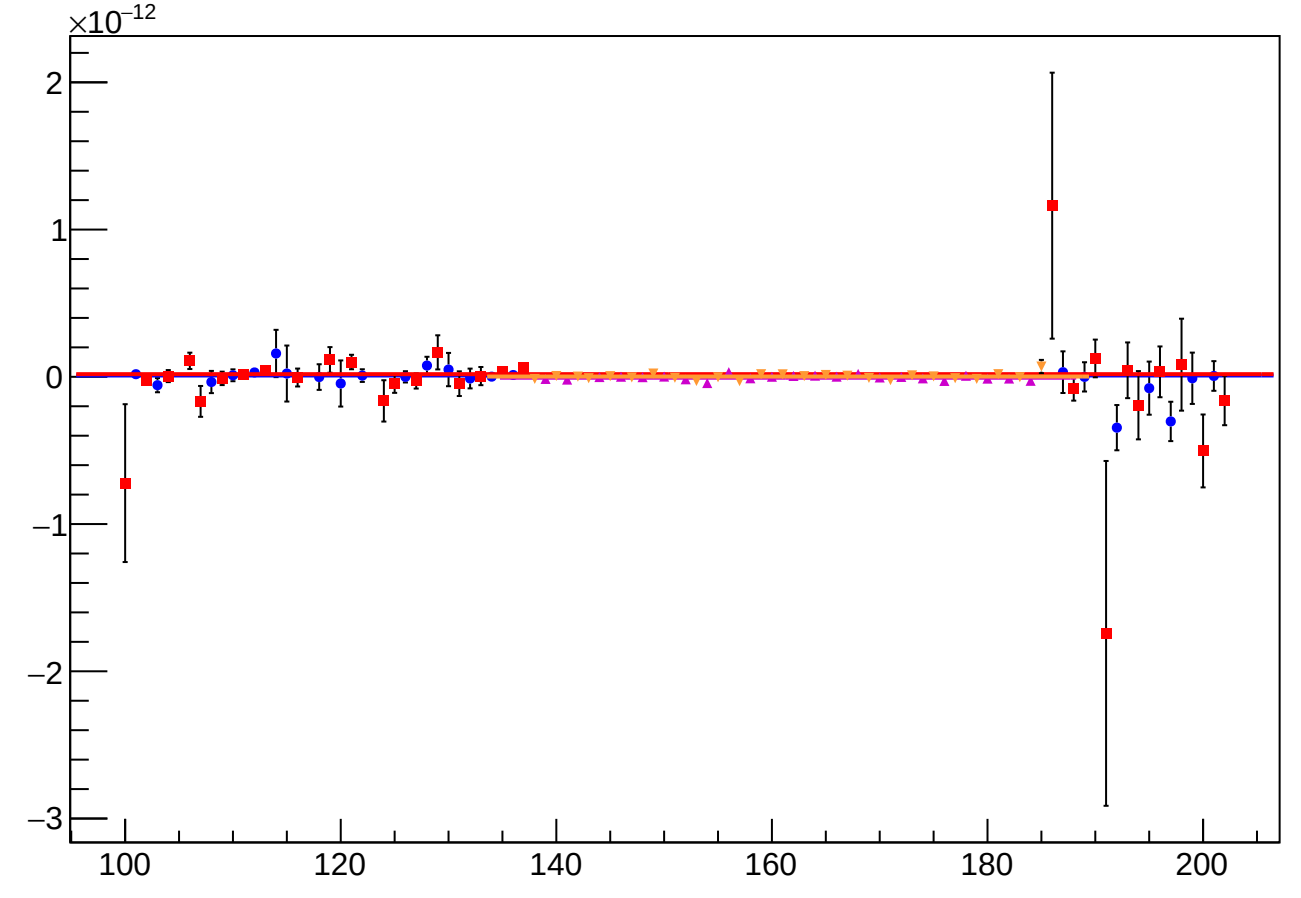
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 570.825+/-0.086 χ^2/NDF: 9333180.0/51

In: 341.663+/-0.047 χ^2/NDF:9014081.2/45

Out: 344.315+/-0.046 χ^2/NDF:11706618.4/53

All: 343.026+/-0.033 χ^2/NDF: 20722305.2/99



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/28

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

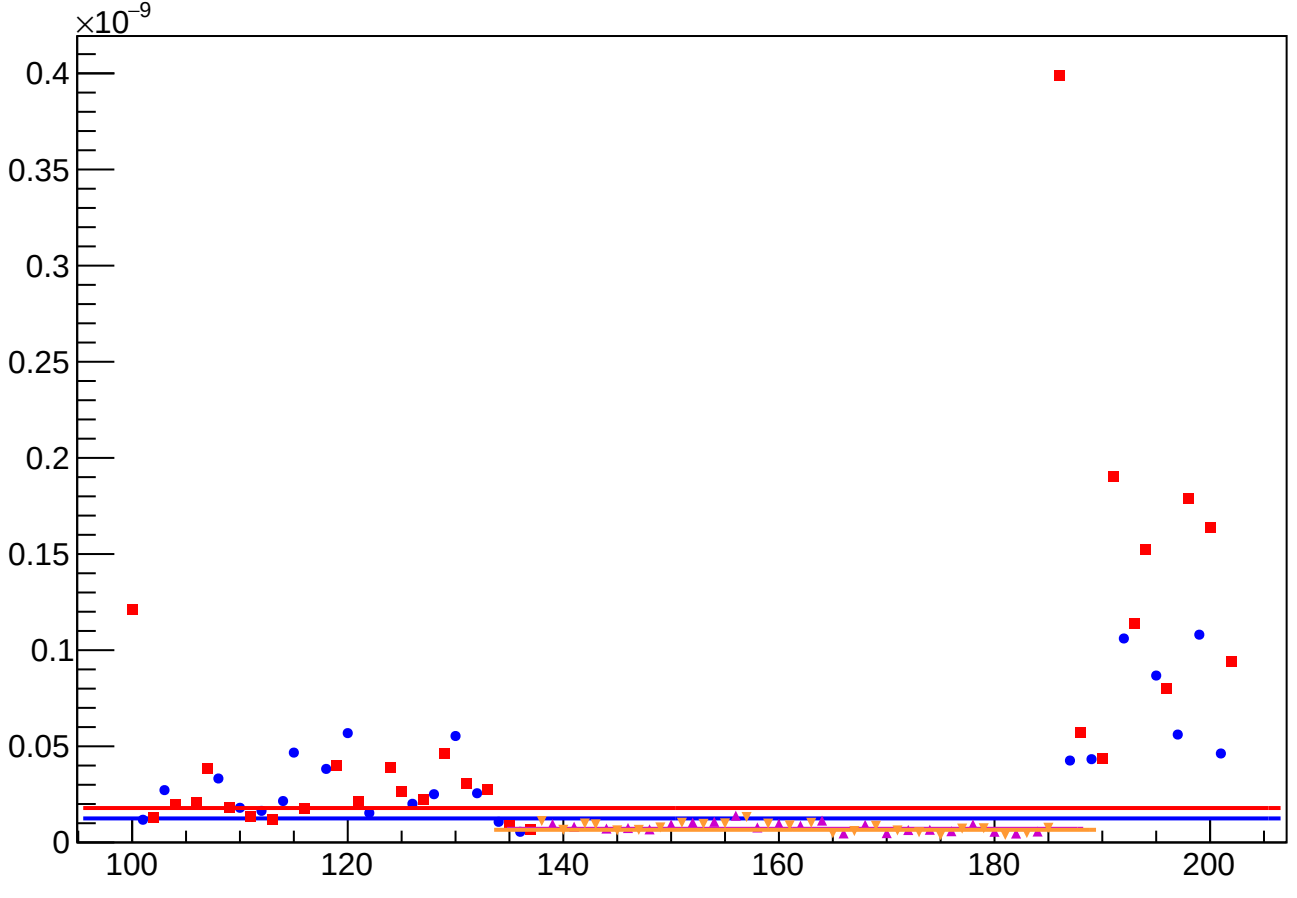
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 53.2/51

In: -0.000+/-0.000 χ^2/NDF:38.0/45

Out: 0.000+/-0.000 χ^2/NDF:61.4/53

All: -0.000+/-0.000 χ^2/NDF: 103.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 4557011.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5290700.4/28

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

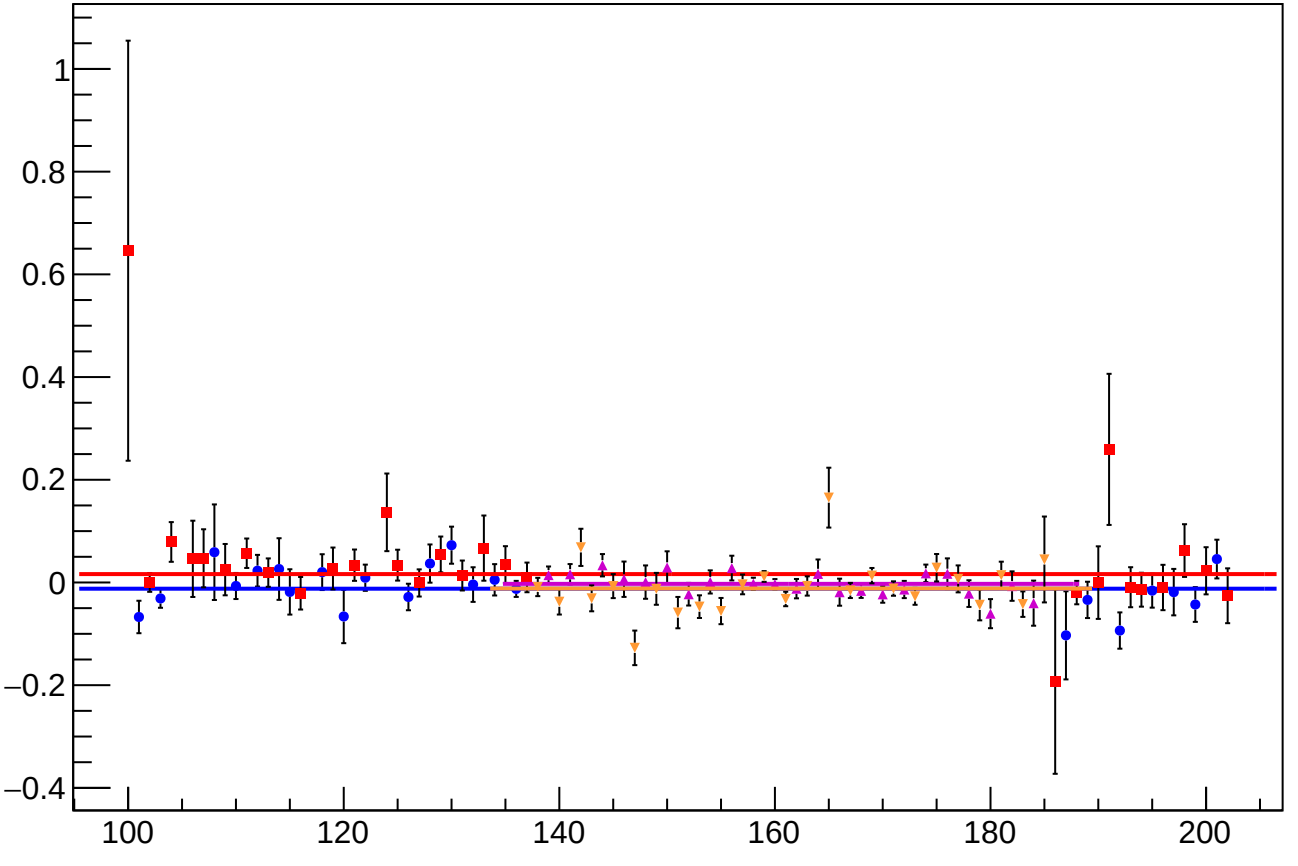
Right: 0.000+/-0.000 χ^2/NDF: 10204717.0/51

In: 0.000+/-0.000 χ^2/NDF:6367044.4/45

Out: 0.000+/-0.000 χ^2/NDF:9135086.3/53

All: 0.000+/-0.000 χ^2/NDF: 15527728.3/99

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

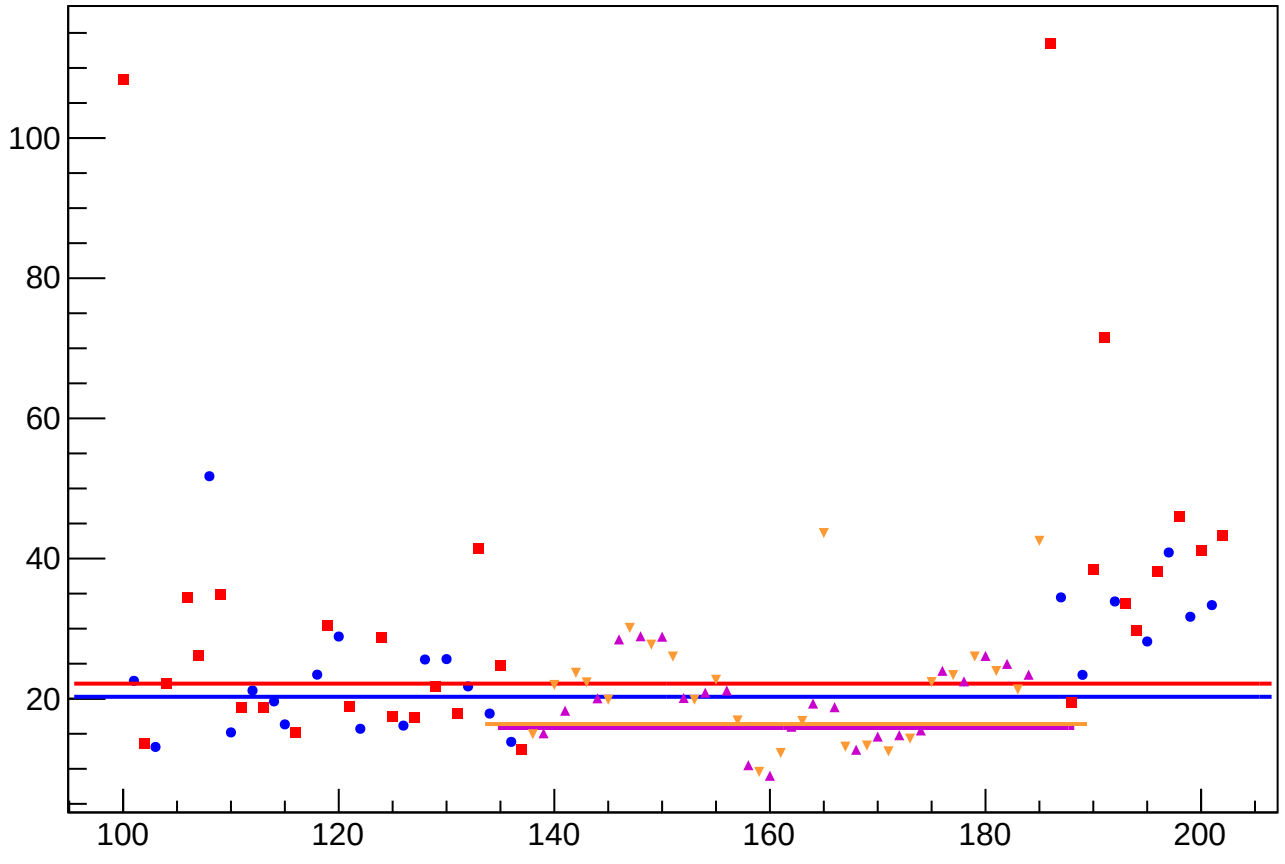
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.005 χ^2/NDF: 61.7/51

In: -0.005+/-0.003 χ^2/NDF:48.4/45

Out: -0.004+/-0.003 χ^2/NDF:91.5/53

All: -0.005+/-0.002 χ^2/NDF: 140.0/99



Right In: 20.276+/-0.005 χ^2/NDF: 2634976.4/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.155+/-0.005 χ^2/NDF: 4069435.3/28

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

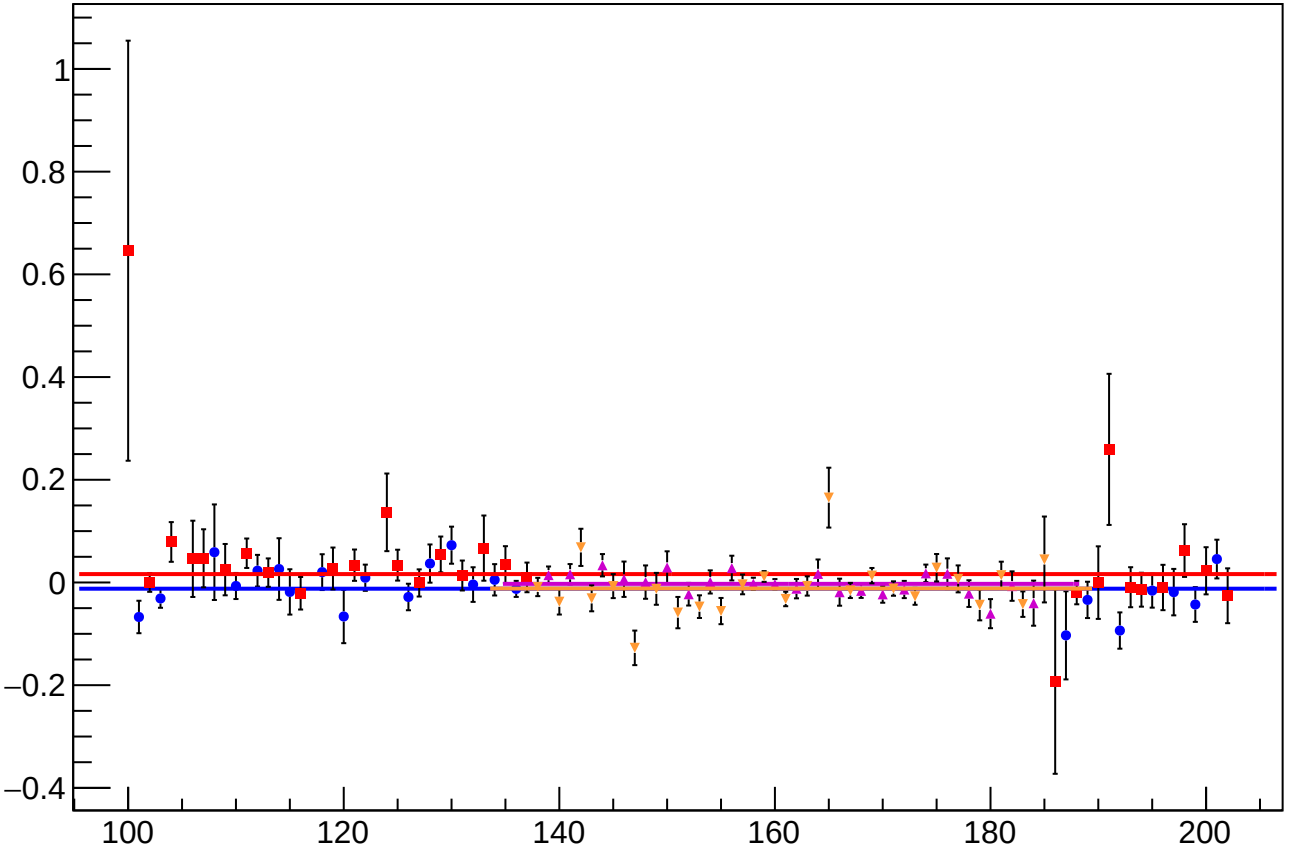
Right: 21.178+/-0.003 χ^2/NDF: 6785801.4/51

In: 17.077+/-0.002 χ^2/NDF:6973237.3/45

Out: 17.935+/-0.002 χ^2/NDF:9178972.2/53

All: 17.499+/-0.002 χ^2/NDF: 16213977.4/99

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

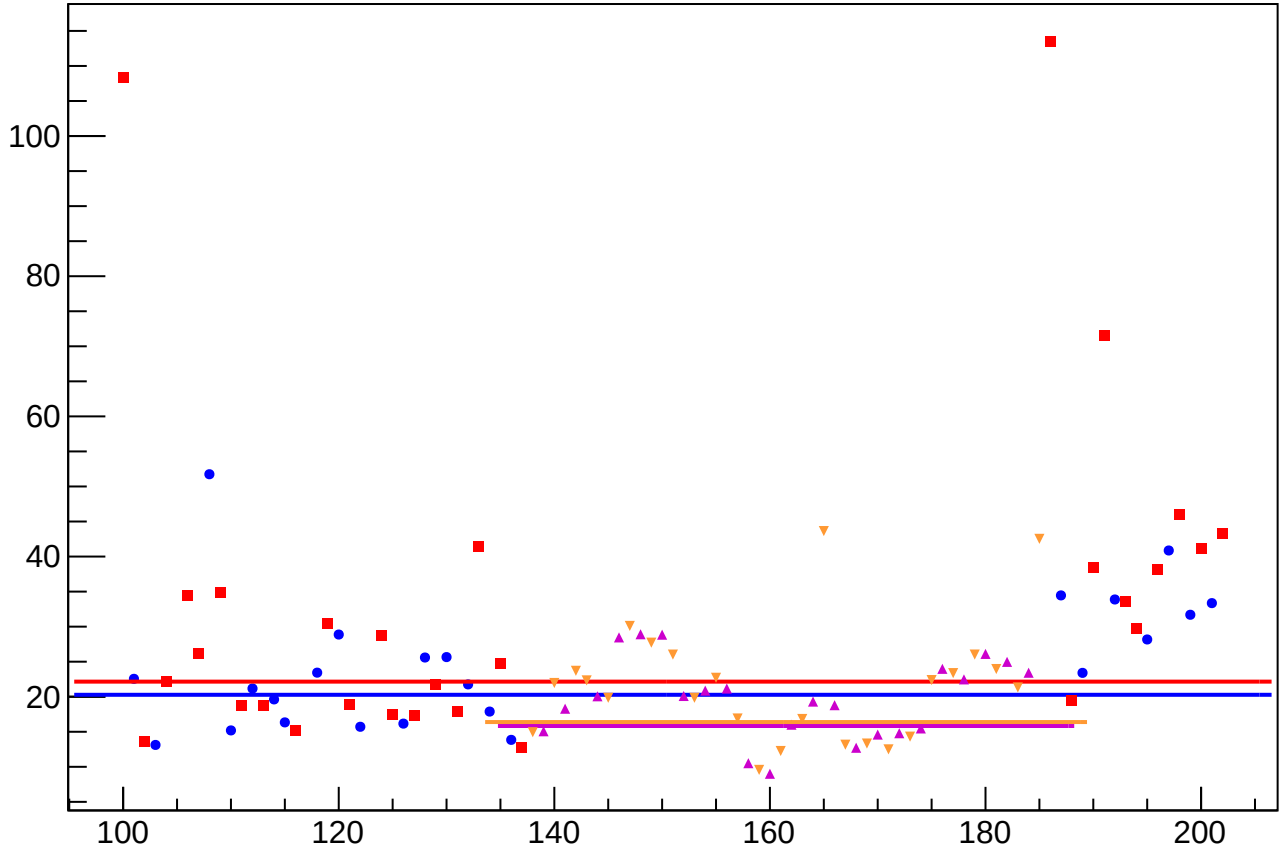
Right: 0.002+/-0.005 χ^2/NDF: 61.7/51

In: -0.005+/-0.003 χ^2/NDF:48.4/45

Out: -0.004+/-0.003 χ^2/NDF:91.5/53

All: -0.005+/-0.002 χ^2/NDF: 140.0/99

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.276+/-0.005 χ^2/NDF: 2634976.4/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.155+/-0.005 χ^2/NDF: 4069435.3/28

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

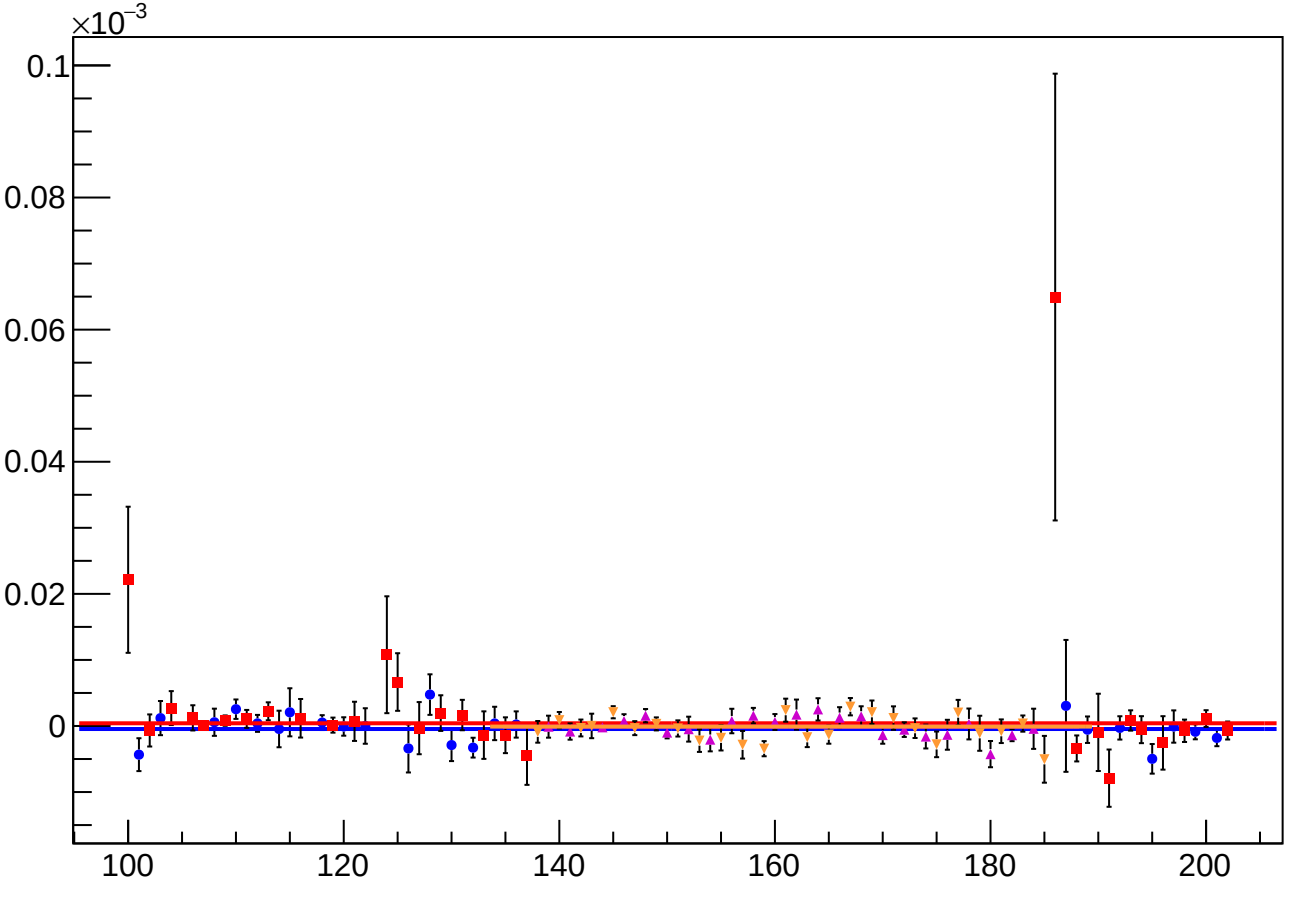
Right: 21.178+/-0.003 χ^2/NDF: 6785801.4/51

In: 17.077+/-0.002 χ^2/NDF:6973237.3/45

Out: 17.935+/-0.002 χ^2/NDF:9178972.2/53

All: 17.499+/-0.002 χ^2/NDF: 16213977.4/99

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/28

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

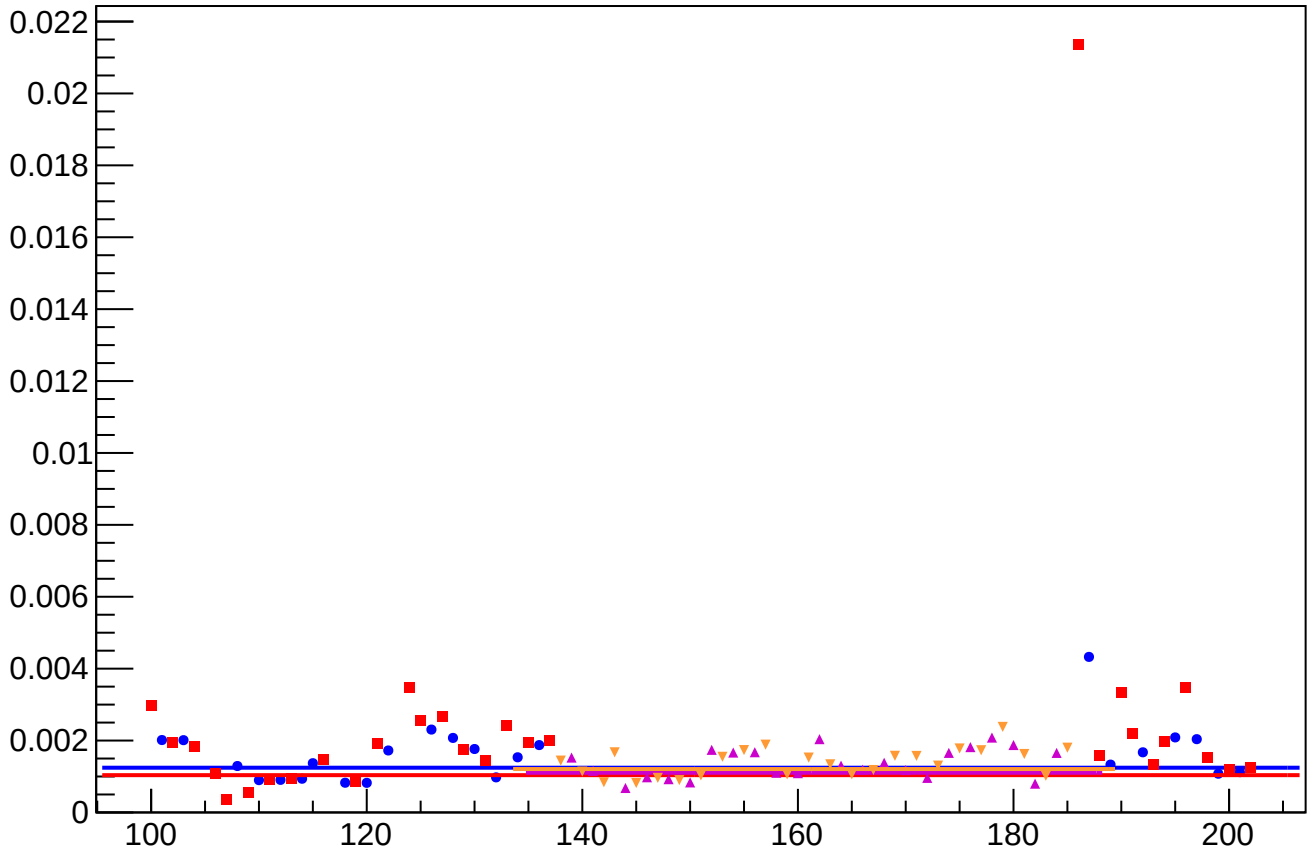
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: 0.000+/-0.000 χ^2/NDF: 52.8/51

In: -0.000+/-0.000 χ^2/NDF:45.4/45

Out: 0.000+/-0.000 χ^2/NDF:64.4/53

All: -0.000+/-0.000 χ^2/NDF: 111.0/99



Right In: 0.001+/-0.000 χ^2/NDF: 2732169.8/22

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7605797.3/28

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

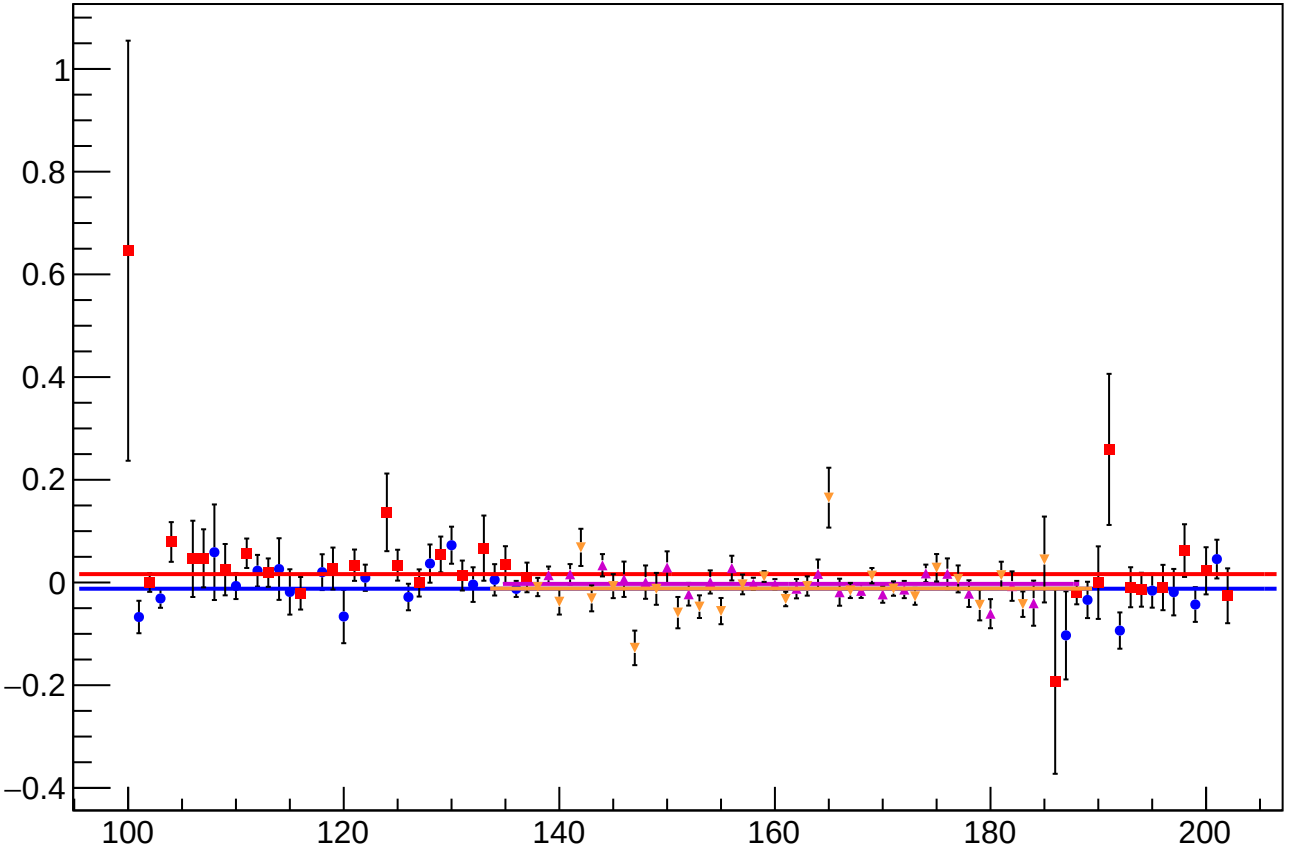
Right: 0.001+/-0.000 χ^2/NDF: 10677832.9/51

In: 0.001+/-0.000 χ^2/NDF:6405841.5/45

Out: 0.001+/-0.000 χ^2/NDF:10633633.5/53

All: 0.001+/-0.000 χ^2/NDF: 17046721.1/99

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

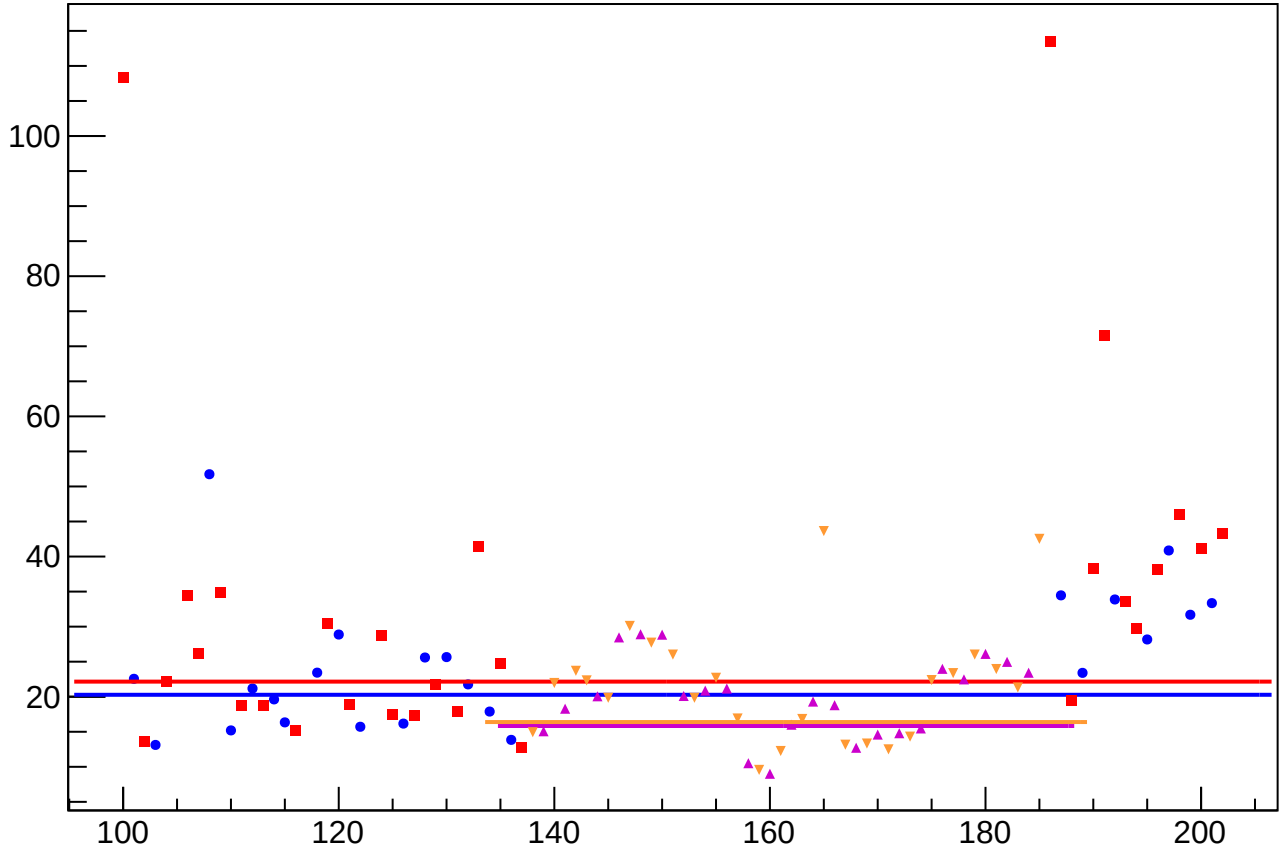
Right: 0.002+/-0.005 χ^2/NDF: 61.7/51

In: -0.005+/-0.003 χ^2/NDF:48.4/45

Out: -0.004+/-0.003 χ^2/NDF:91.5/53

All: -0.005+/-0.002 χ^2/NDF: 140.0/99

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.276+/-0.005 χ^2/NDF: 2634989.3/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.156+/-0.005 χ^2/NDF: 4069172.9/28

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

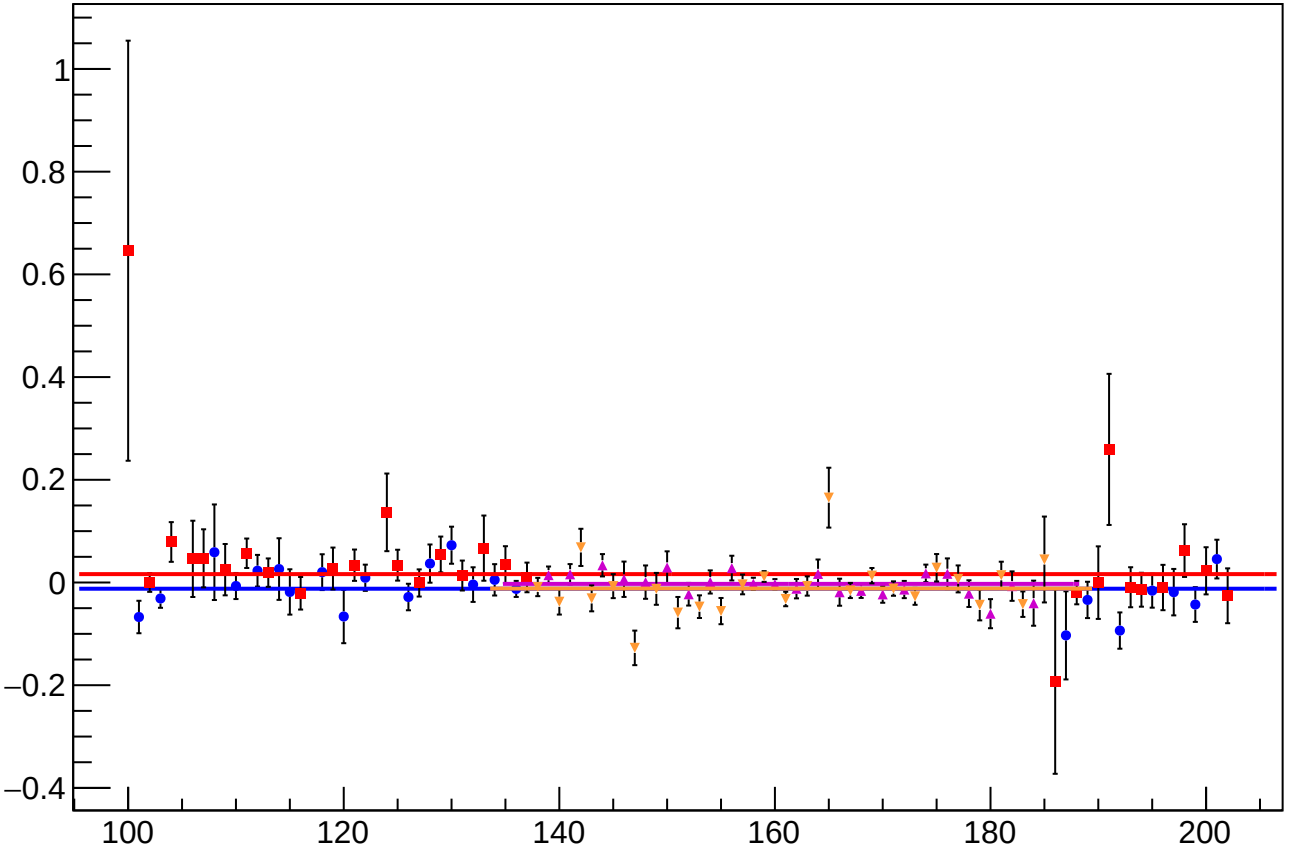
Right: 21.179+/-0.003 χ^2/NDF: 6785590.8/51

In: 17.077+/-0.002 χ^2/NDF:6973714.5/45

Out: 17.935+/-0.002 χ^2/NDF:9179213.4/53

All: 17.499+/-0.002 χ^2/NDF: 16214715.0/99

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

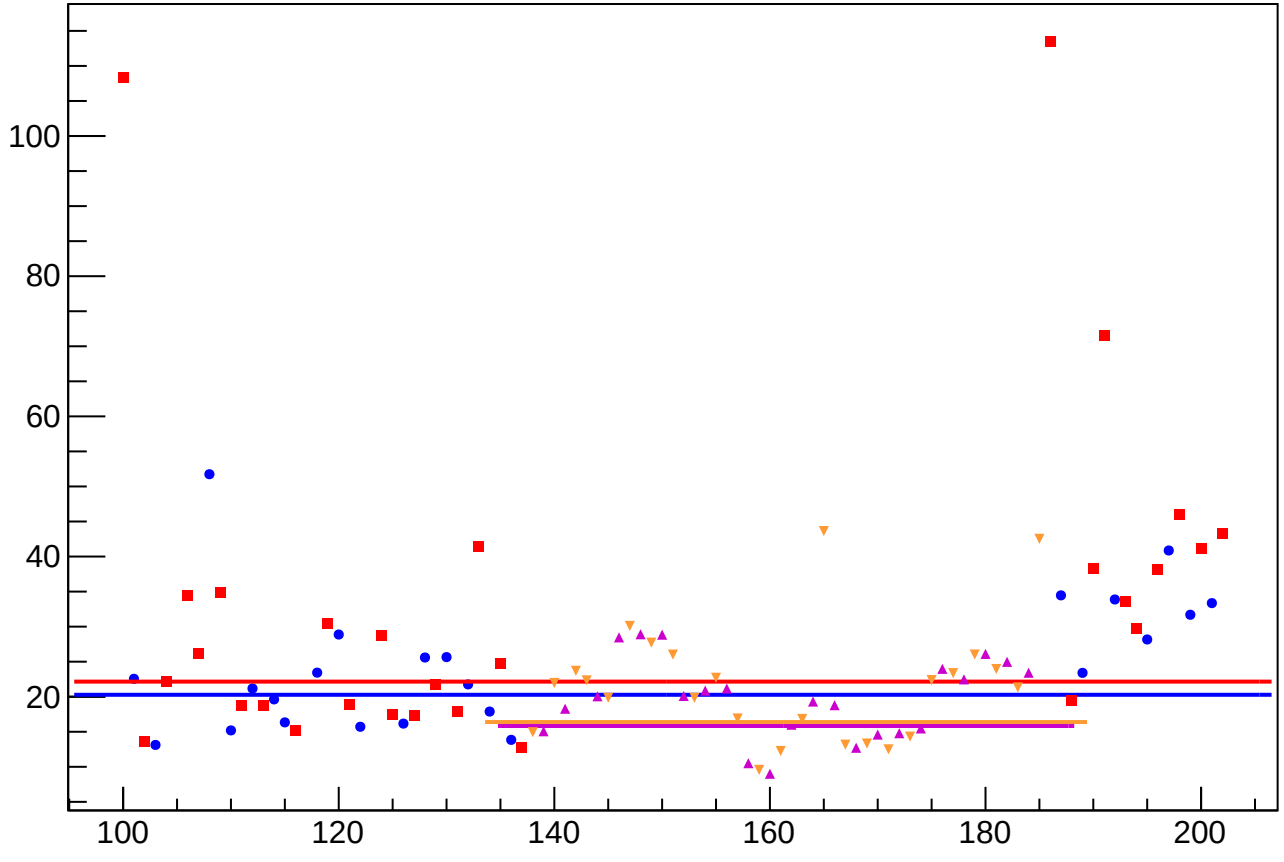
Right: 0.002+/-0.005 χ^2/NDF: 61.7/51

In: -0.005+/-0.003 χ^2/NDF:48.4/45

Out: -0.004+/-0.003 χ^2/NDF:91.5/53

All: -0.005+/-0.002 χ^2/NDF: 140.0/99

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.276+/-0.005 χ^2/NDF: 2634989.3/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.156+/-0.005 χ^2/NDF: 4069172.9/28

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

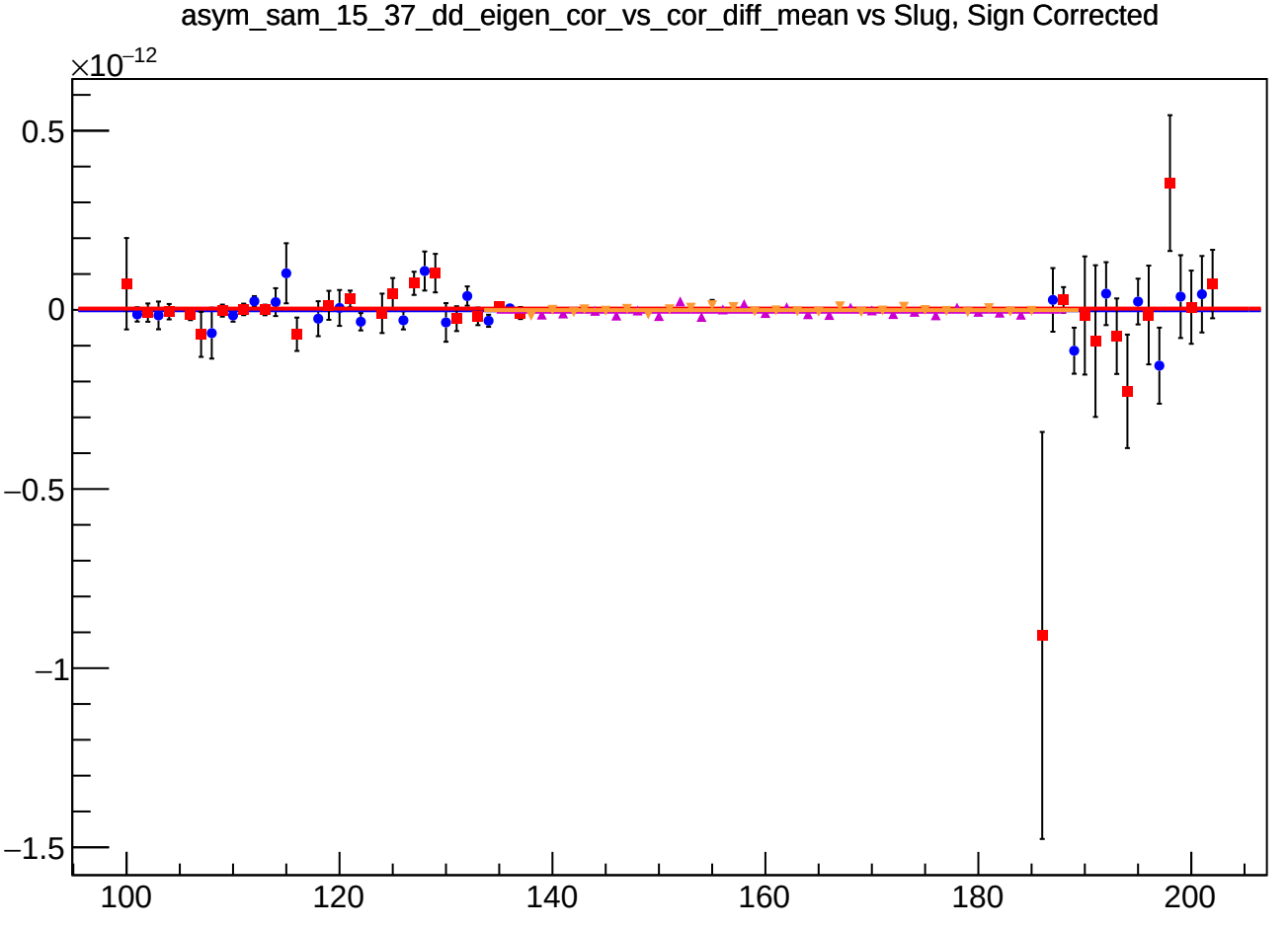
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.179+/-0.003 χ^2/NDF: 6785590.8/51

In: 17.077+/-0.002 χ^2/NDF:6973714.5/45

Out: 17.935+/-0.002 χ^2/NDF:9179213.4/53

All: 17.499+/-0.002 χ^2/NDF: 16214715.0/99



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/28

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

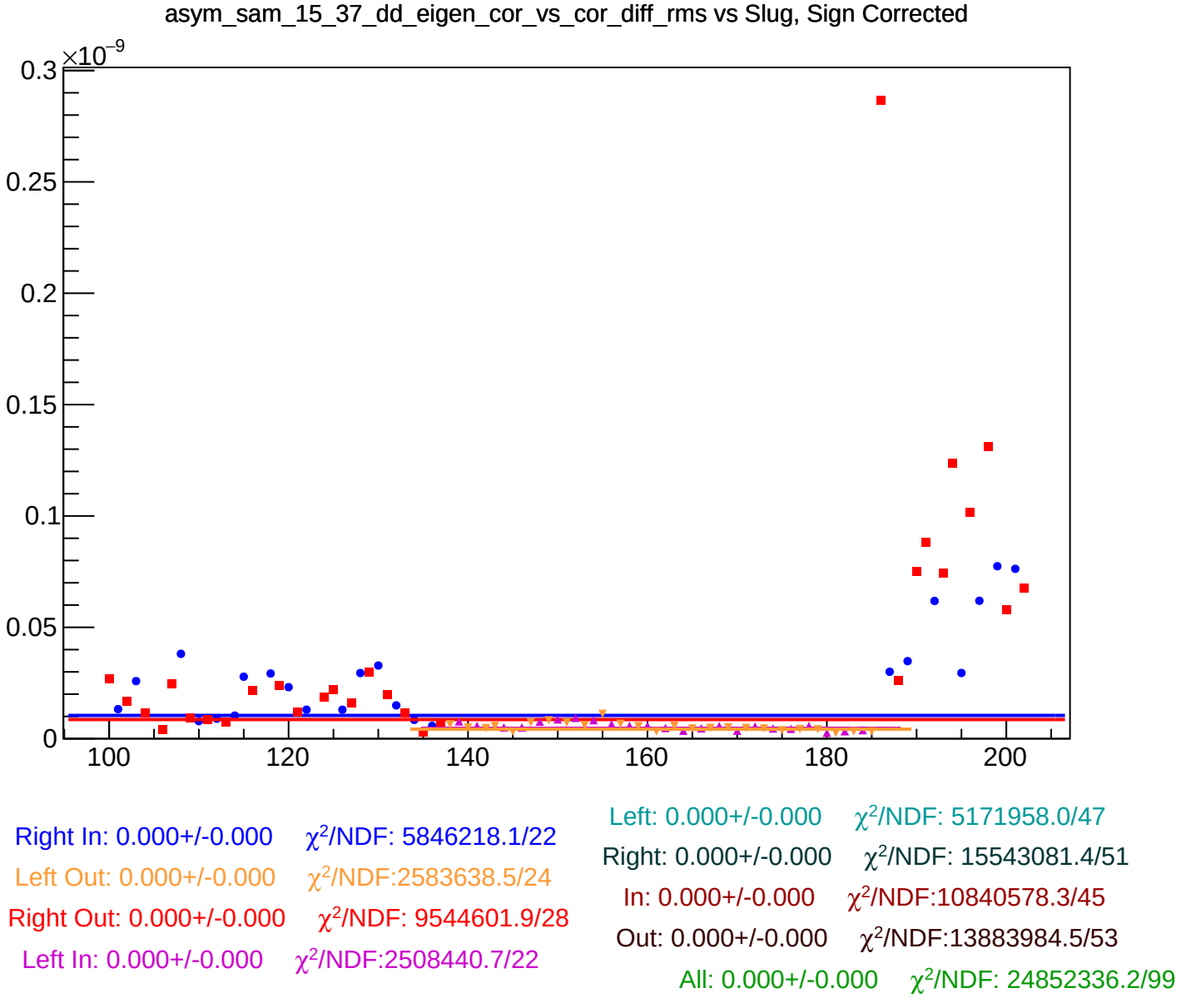
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

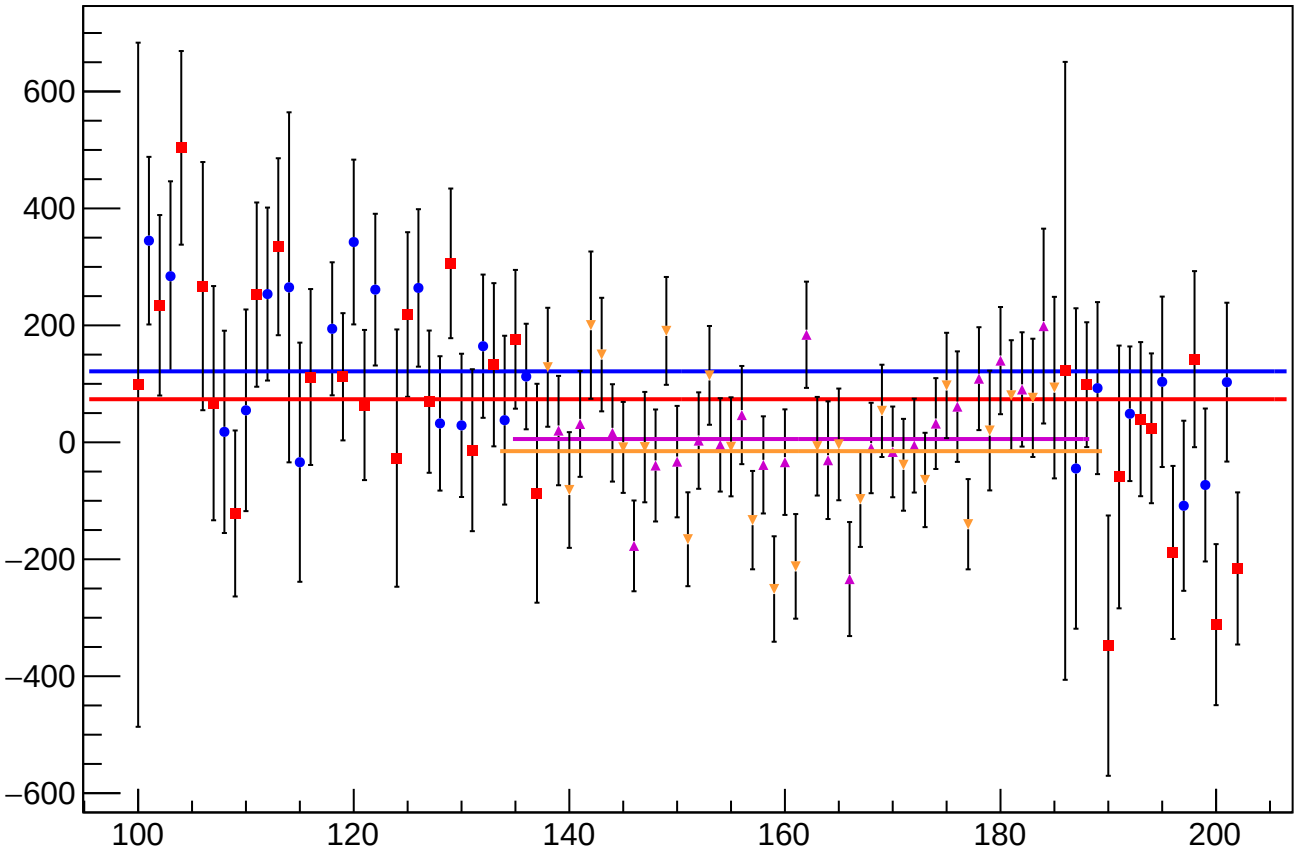
Right: 0.000+/-0.000 χ^2/NDF: 55.8/51

In: -0.000+/-0.000 χ^2/NDF:64.9/45

Out: -0.000+/-0.000 χ^2/NDF:49.0/53

All: -0.000+/-0.000 χ^2/NDF: 120.3/99


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5846218.1/22
Left Out: 0.000+/-0.000 χ²/NDF:2583638.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 9544601.9/28
Left In: 0.000+/-0.000 χ²/NDF:2508440.7/22
Left: 0.000+/-0.000 χ²/NDF: 5171958.0/47
Right: 0.000+/-0.000 χ²/NDF: 15543081.4/51
In: 0.000+/-0.000 χ²/NDF:10840578.3/45
Out: 0.000+/-0.000 χ²/NDF:13883984.5/53
All: 0.000+/-0.000 χ²/NDF: 24852336.2/99



Right In: 121.389+/-28.885 χ^2/NDF: 17.9/22

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 73.707+/-27.673 χ^2/NDF: 42.0/28

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

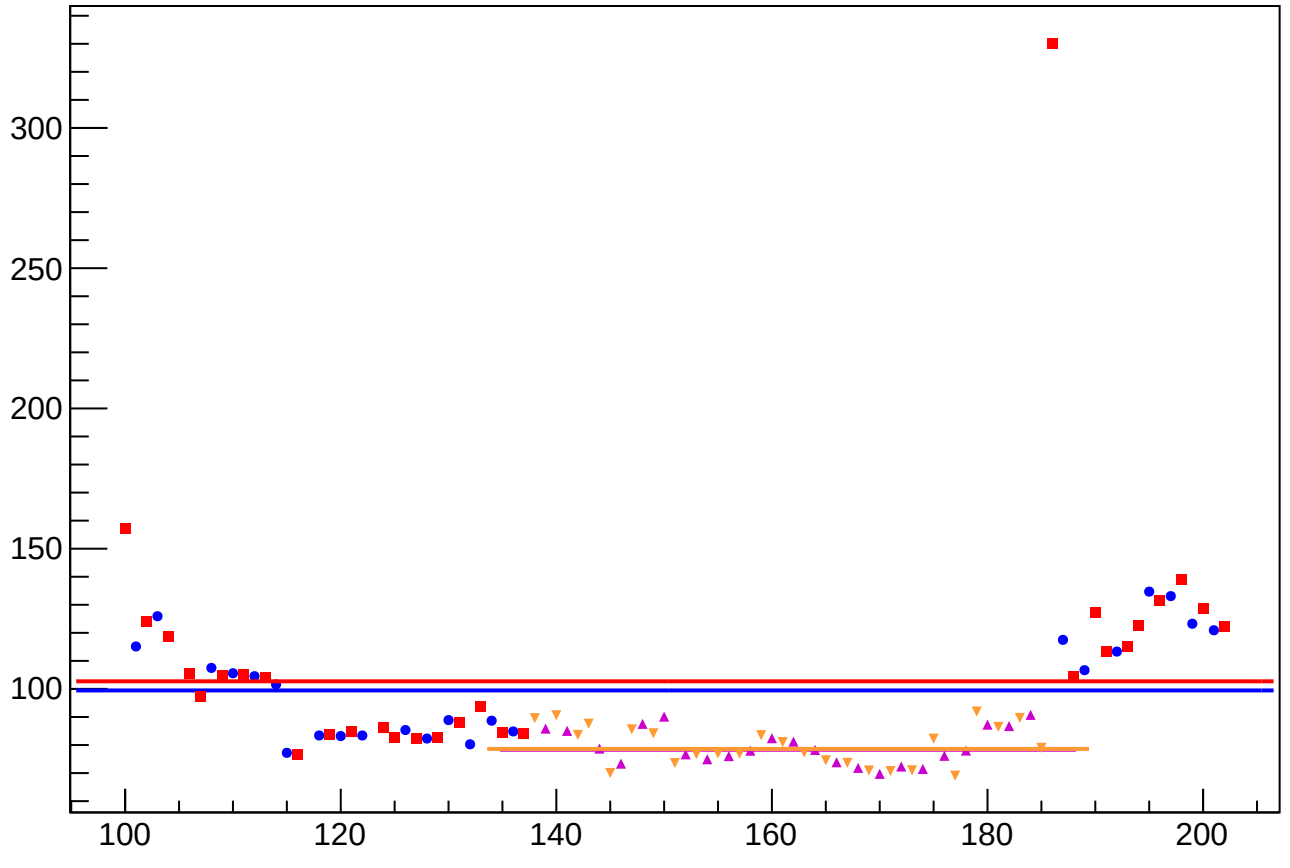
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 96.527+/-19.983 χ^2/NDF: 61.3/51

In: 38.995+/-15.508 χ^2/NDF:52.3/45

Out: 11.214+/-15.063 χ^2/NDF:90.9/53

All: 24.701+/-10.805 χ^2/NDF: 144.8/99



Right In: 99.467+/-0.020 χ^2/NDF: 783630.0/22

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 102.719+/-0.020 χ^2/NDF: 1266271.1/28

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

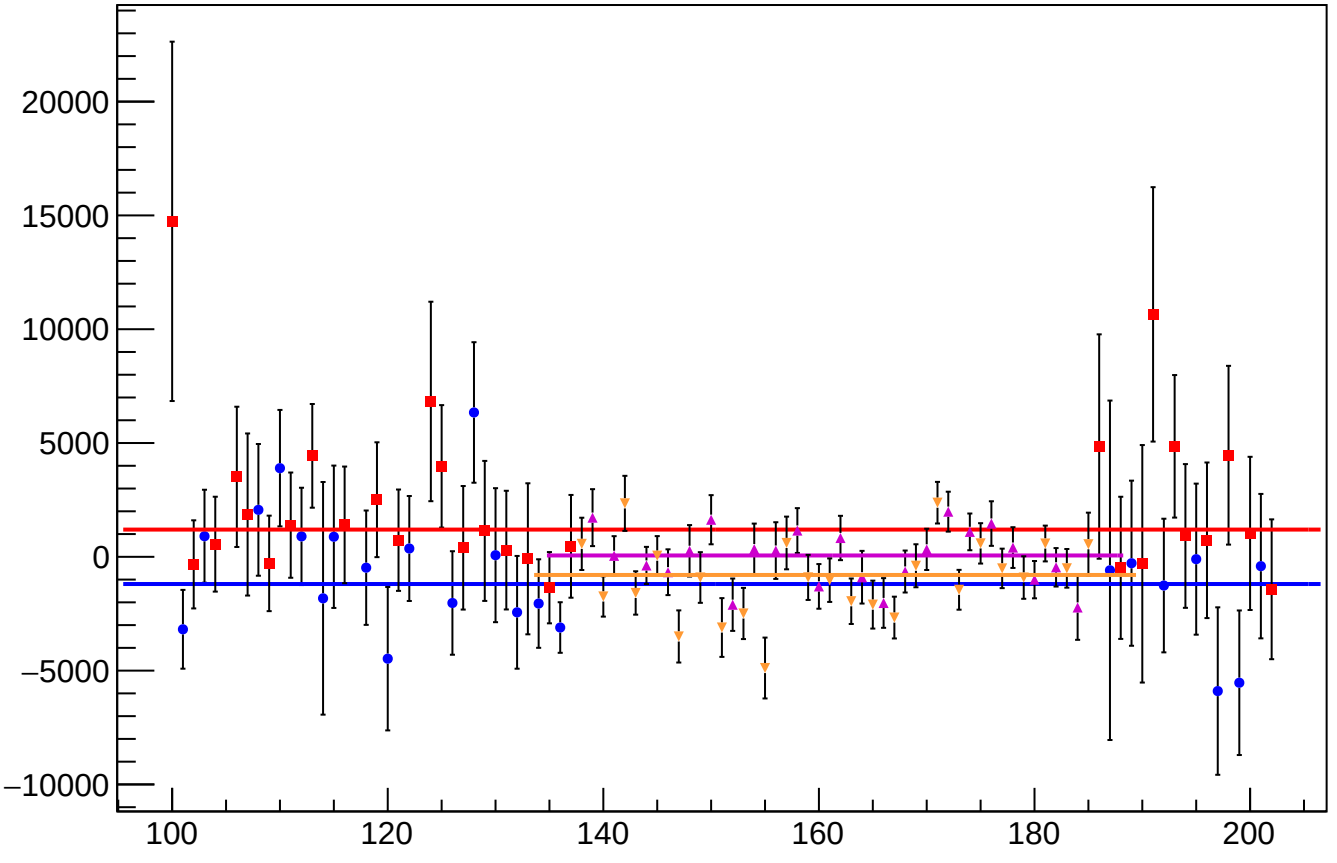
Right: 101.163+/-0.014 χ^2/NDF: 2063118.5/51

In: 84.426+/-0.011 χ^2/NDF:1754706.9/45

Out: 85.759+/-0.011 χ^2/NDF:2640975.9/53

All: 85.112+/-0.008 χ^2/NDF: 4403294.2/99

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1194.812+/-507.901 χ^2/NDF: 24.1/22

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1196.831+/-509.723 χ^2/NDF: 19.6/28

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

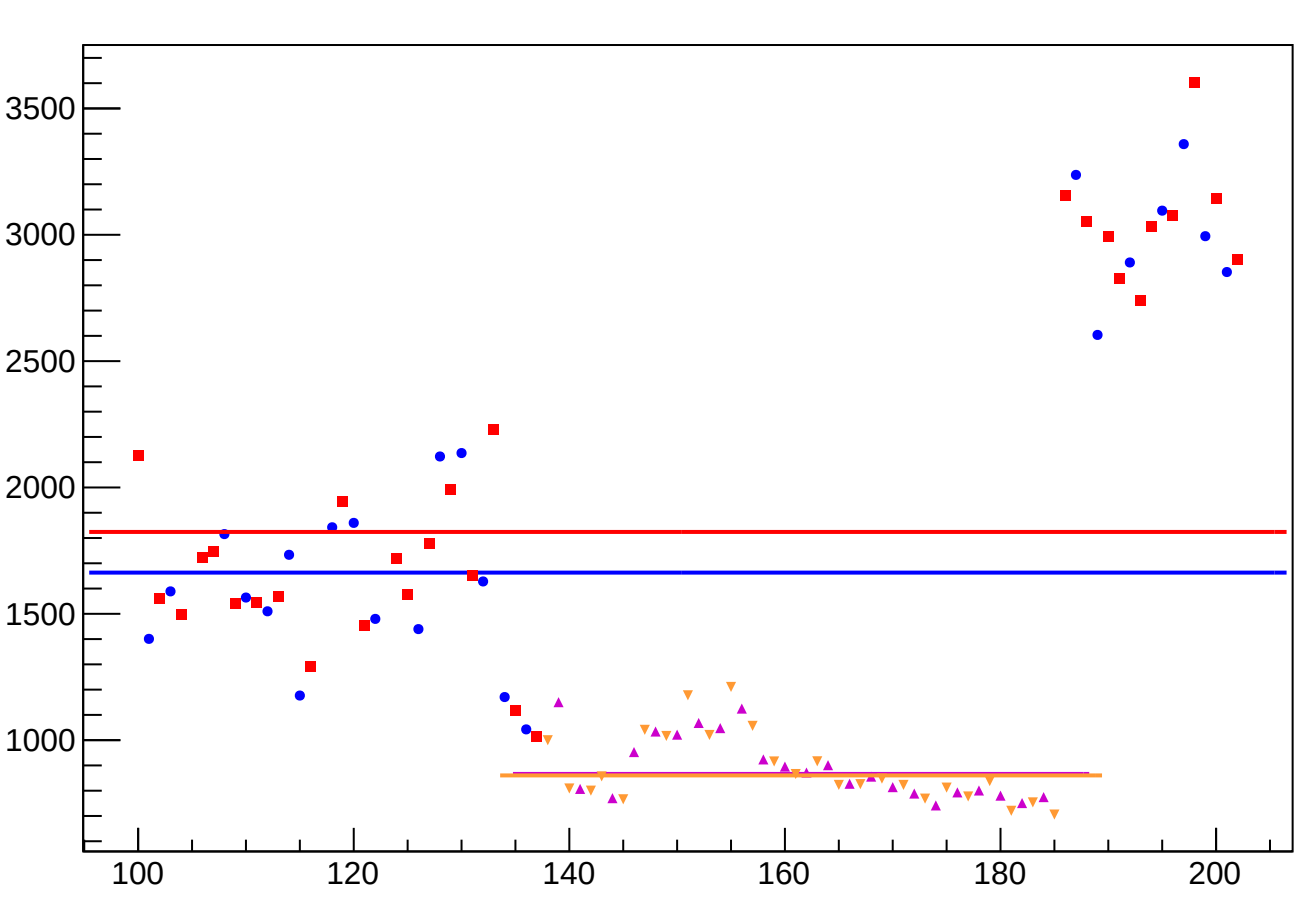
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -3.272+/-359.783 χ^2/NDF: 54.7/51

In: -115.390+/-189.650 χ^2/NDF:59.8/45

Out: -535.860+/-184.470 χ^2/NDF:92.3/53

All: -331.445+/-132.234 χ^2/NDF: 154.6/99



Right In: 1663.106+/-0.359 χ^2/NDF: 3017672.1/22

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1824.056+/-0.360 χ^2/NDF: 3375767.5/28

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

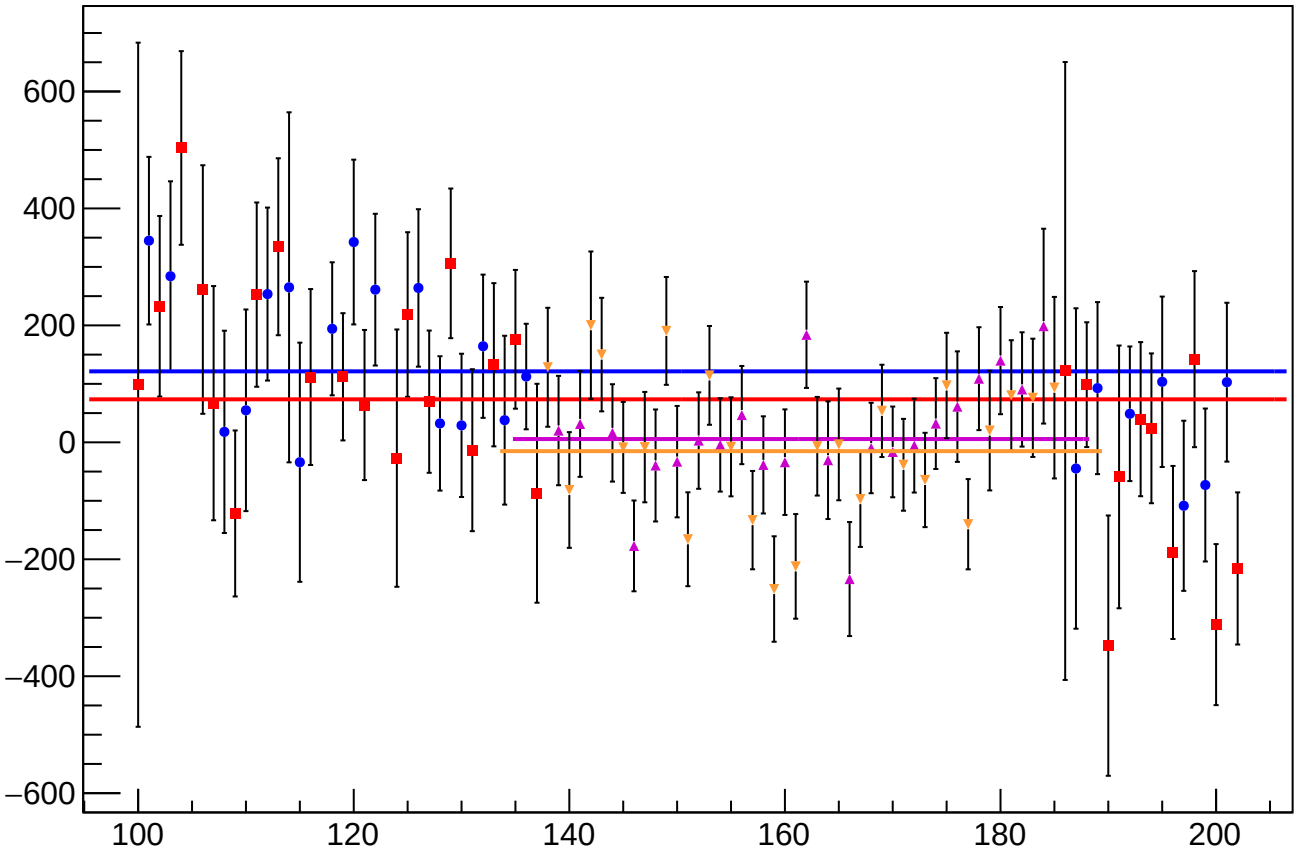
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1743.293+/-0.254 χ^2/NDF: 6493501.4/51

In: 977.441+/-0.134 χ^2/NDF:7866465.4/45

Out: 986.694+/-0.130 χ^2/NDF:10285932.9/53

All: 982.195+/-0.094 χ^2/NDF: 18154844.7/99



Right In: 121.383+/-28.885 χ^2/NDF: 17.9/22

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 73.536+/-27.674 χ^2/NDF: 41.9/28

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

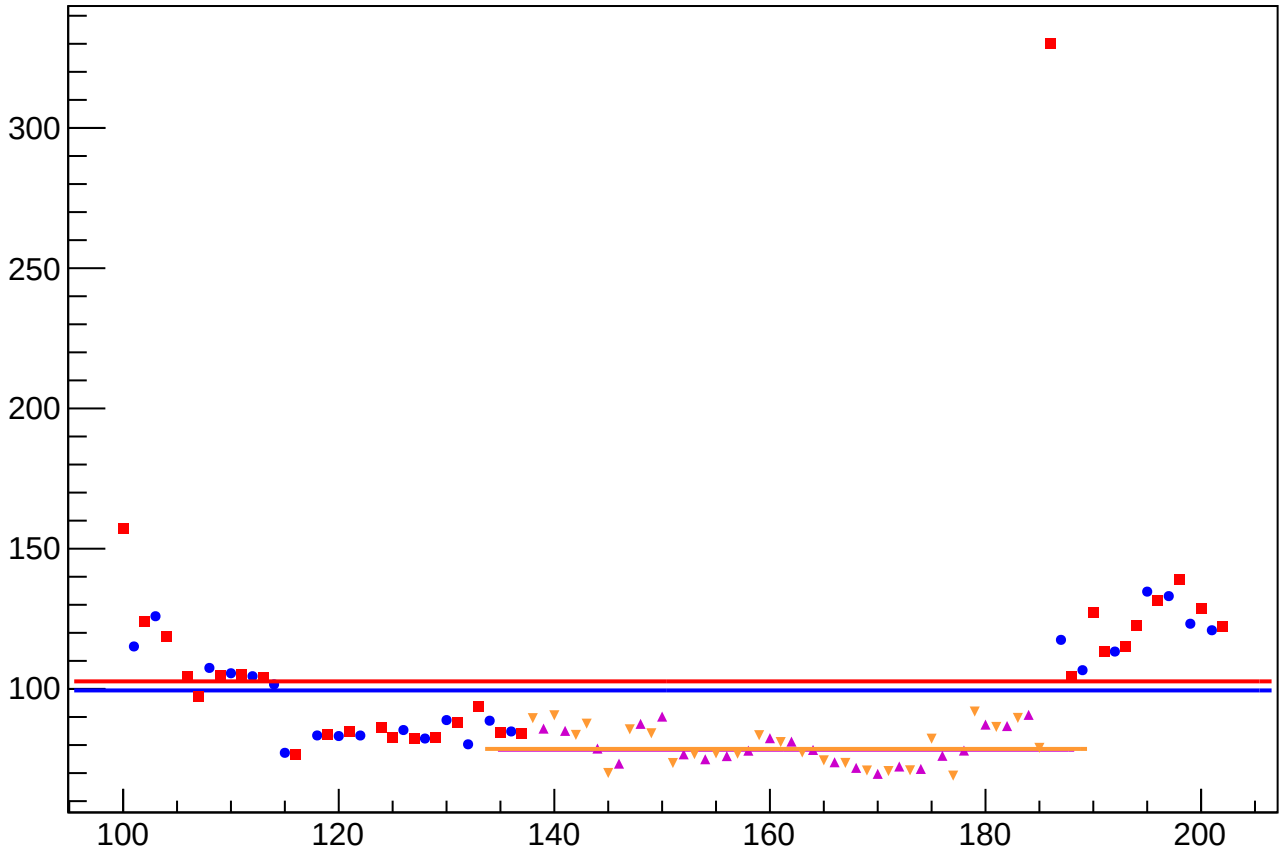
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 96.436+/-19.983 χ^2/NDF: 61.2/51

In: 38.991+/-15.508 χ^2/NDF:52.3/45

Out: 11.163+/-15.064 χ^2/NDF:90.8/53

All: 24.673+/-10.805 χ^2/NDF: 144.7/99



Right In: 99.467+/-0.020 χ^2/NDF: 783631.5/22

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 102.698+/-0.020 χ^2/NDF: 1266178.6/28

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

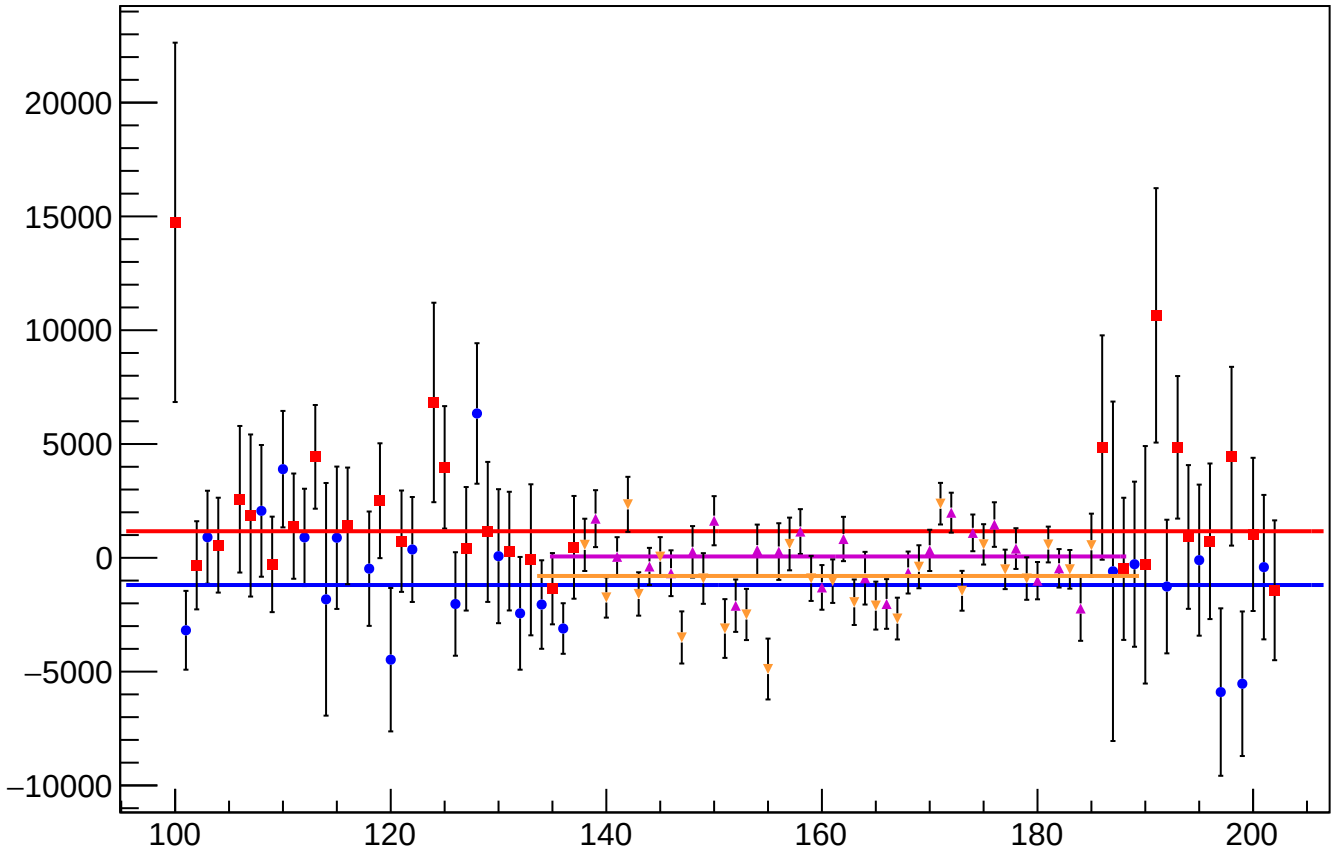
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 101.152+/-0.014 χ^2/NDF: 2062858.7/51

In: 84.426+/-0.011 χ^2/NDF:1754708.8/45

Out: 85.753+/-0.011 χ^2/NDF:2638982.9/53

All: 85.108+/-0.008 χ^2/NDF: 4401228.3/99



Right In: -1194.793+/-507.902 χ^2/NDF: 24.1/22

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1168.191+/-510.326 χ^2/NDF: 19.2/28

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

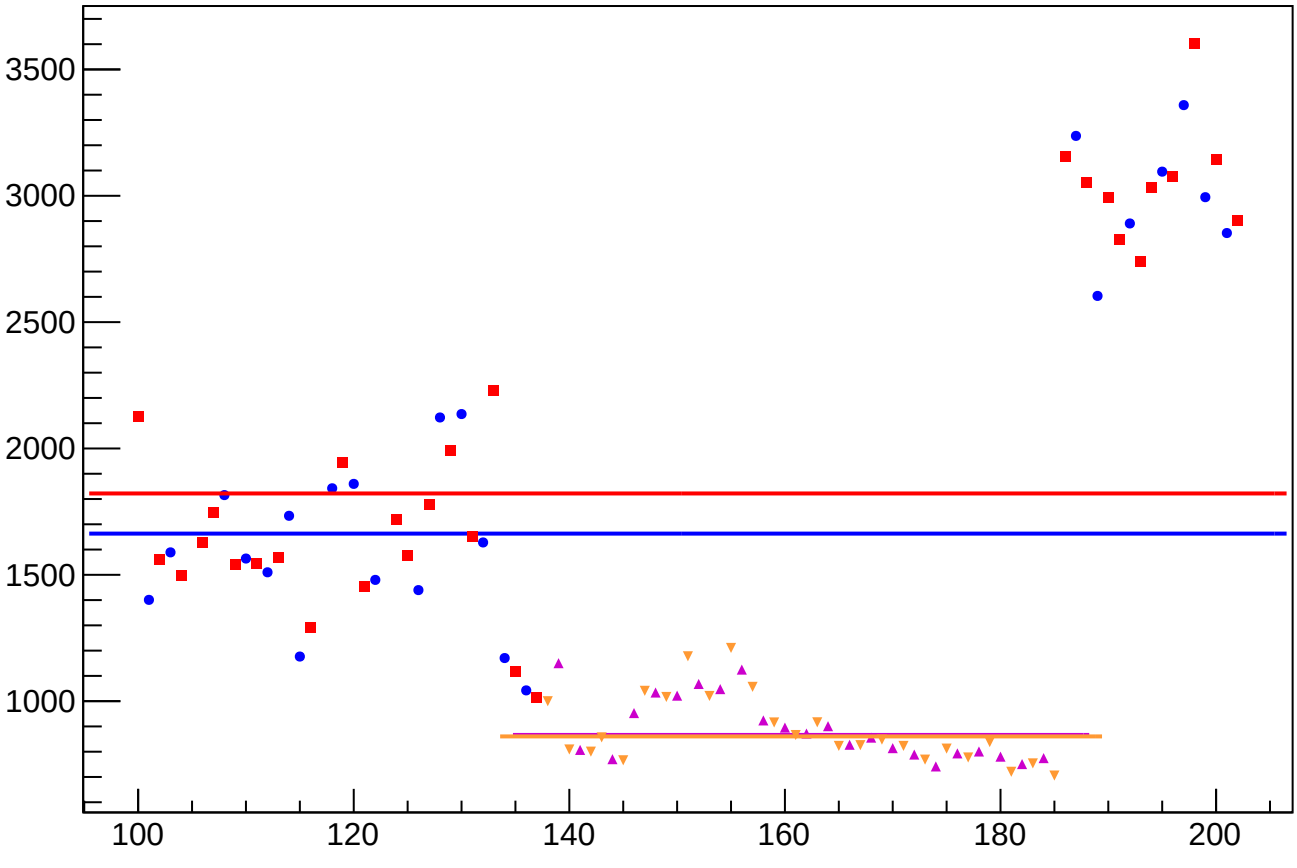
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -18.924+/-359.995 χ^2/NDF: 54.0/51

In: -115.387+/-189.650 χ^2/NDF:59.8/45

Out: -540.139+/-184.499 χ^2/NDF:91.5/53

All: -333.610+/-132.244 χ^2/NDF: 153.9/99



Right In: 1663.110+/-0.359 χ^2/NDF: 3017668.4/22

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1821.989+/-0.361 χ^2/NDF: 3380731.9/28

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

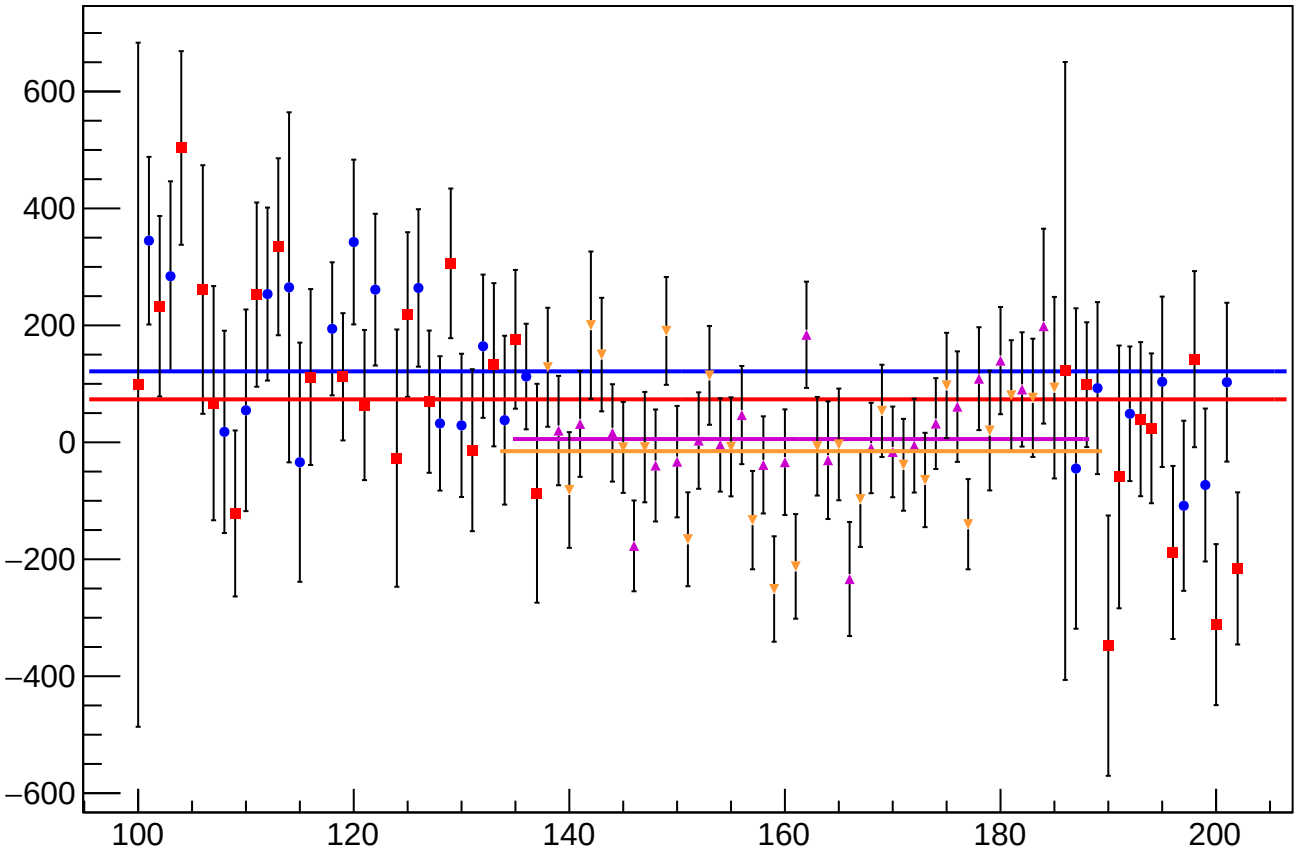
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1742.171+/-0.255 χ^2/NDF: 6495786.8/51

In: 977.441+/-0.134 χ^2/NDF:7866481.9/45

Out: 986.165+/-0.130 χ^2/NDF:10251585.5/53

All: 981.923+/-0.094 χ^2/NDF: 18120241.6/99



Right In: 121.383+/-28.885 χ^2/NDF: 17.9/22

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 73.536+/-27.674 χ^2/NDF: 41.9/28

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

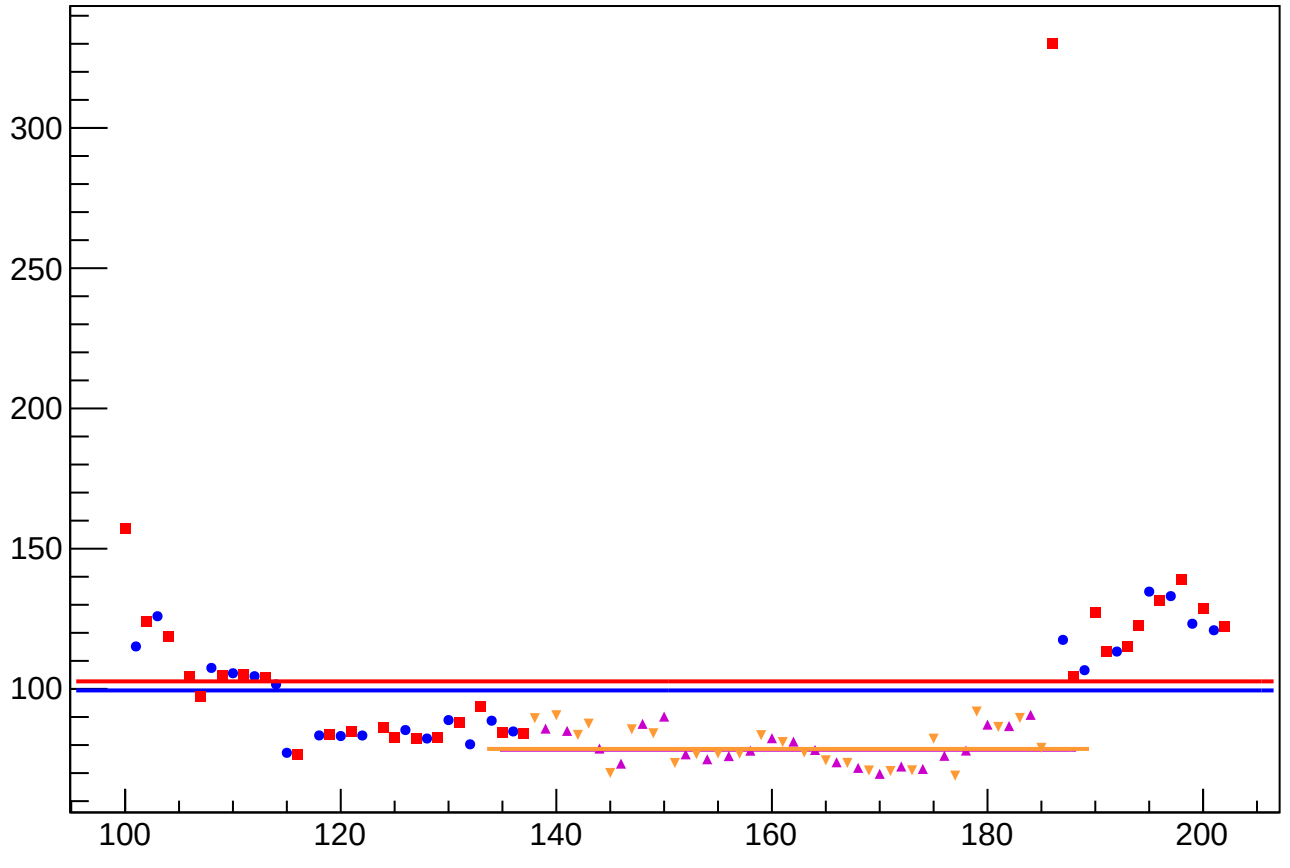
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 96.436+/-19.983 χ^2/NDF: 61.2/51

In: 38.991+/-15.508 χ^2/NDF:52.3/45

Out: 11.163+/-15.064 χ^2/NDF:90.8/53

All: 24.673+/-10.805 χ^2/NDF: 144.7/99



Right In: 99.467+/-0.020 χ^2/NDF: 783631.5/22

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 102.698+/-0.020 χ^2/NDF: 1266178.6/28

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

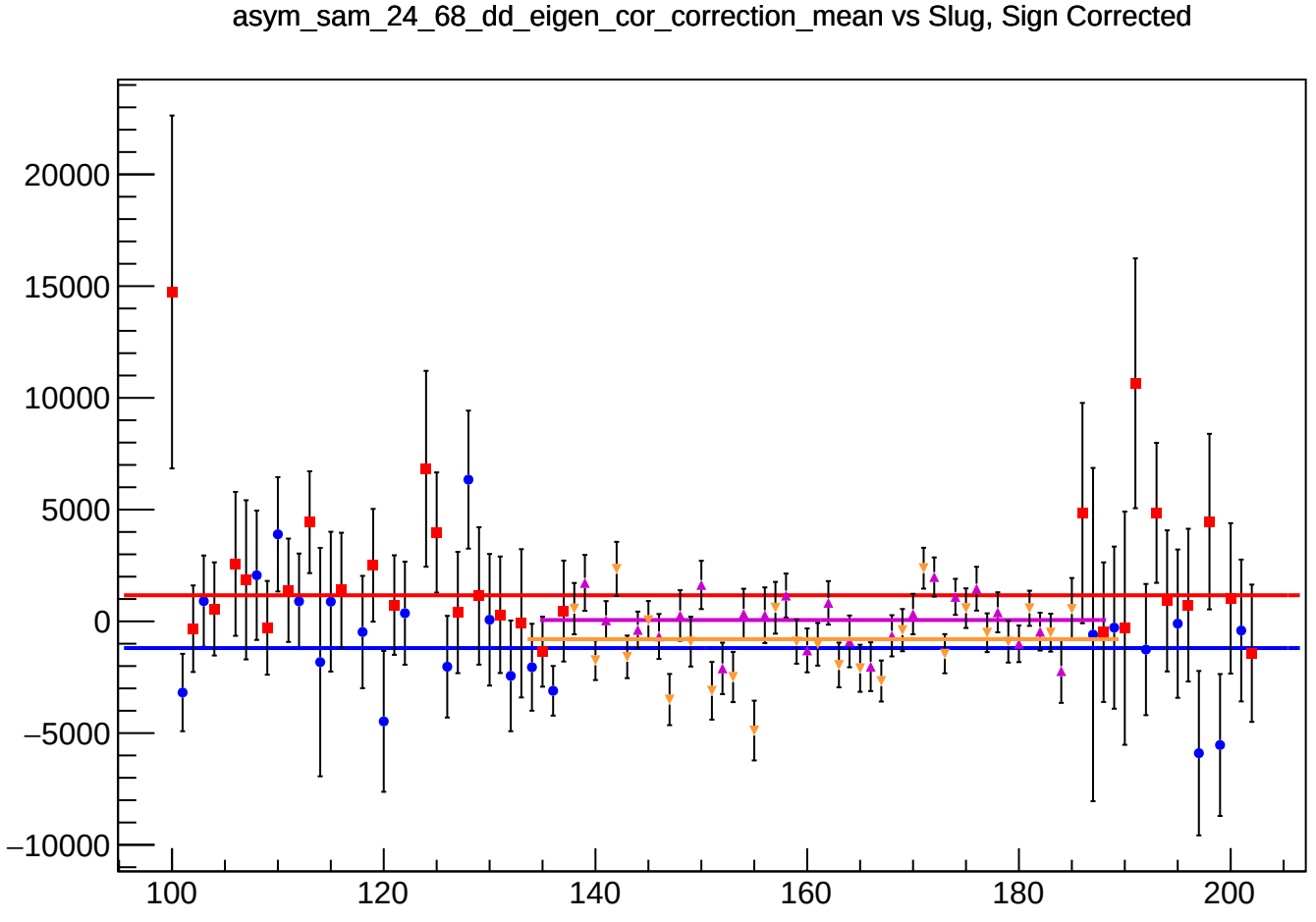
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

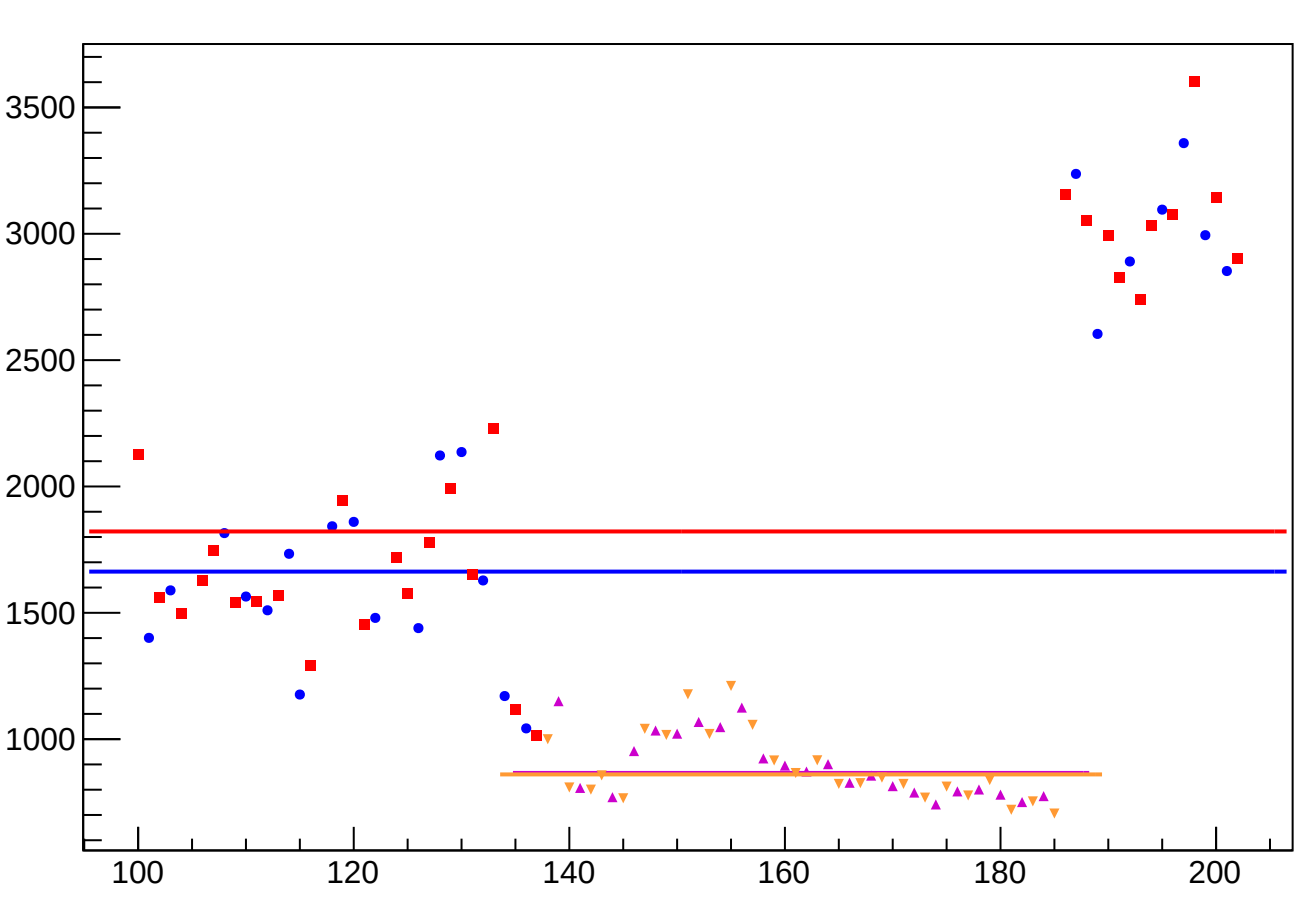
Right: 101.152+/-0.014 χ^2/NDF: 2062858.7/51

In: 84.426+/-0.011 χ^2/NDF:1754708.8/45

Out: 85.753+/-0.011 χ^2/NDF:2638982.9/53

All: 85.108+/-0.008 χ^2/NDF: 4401228.3/99


asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1194.793+/-507.902 χ²/NDF: 24.1/22
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1168.191+/-510.326 χ²/NDF: 19.2/28
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -18.924+/-359.995 χ²/NDF: 54.0/51
In: -115.387+/-189.650 χ²/NDF:59.8/45
Out: -540.139+/-184.499 χ²/NDF:91.5/53
All: -333.610+/-132.244 χ²/NDF: 153.9/99



Right In: 1663.110+/-0.359 χ^2/NDF: 3017668.4/22

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1821.989+/-0.361 χ^2/NDF: 3380731.9/28

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

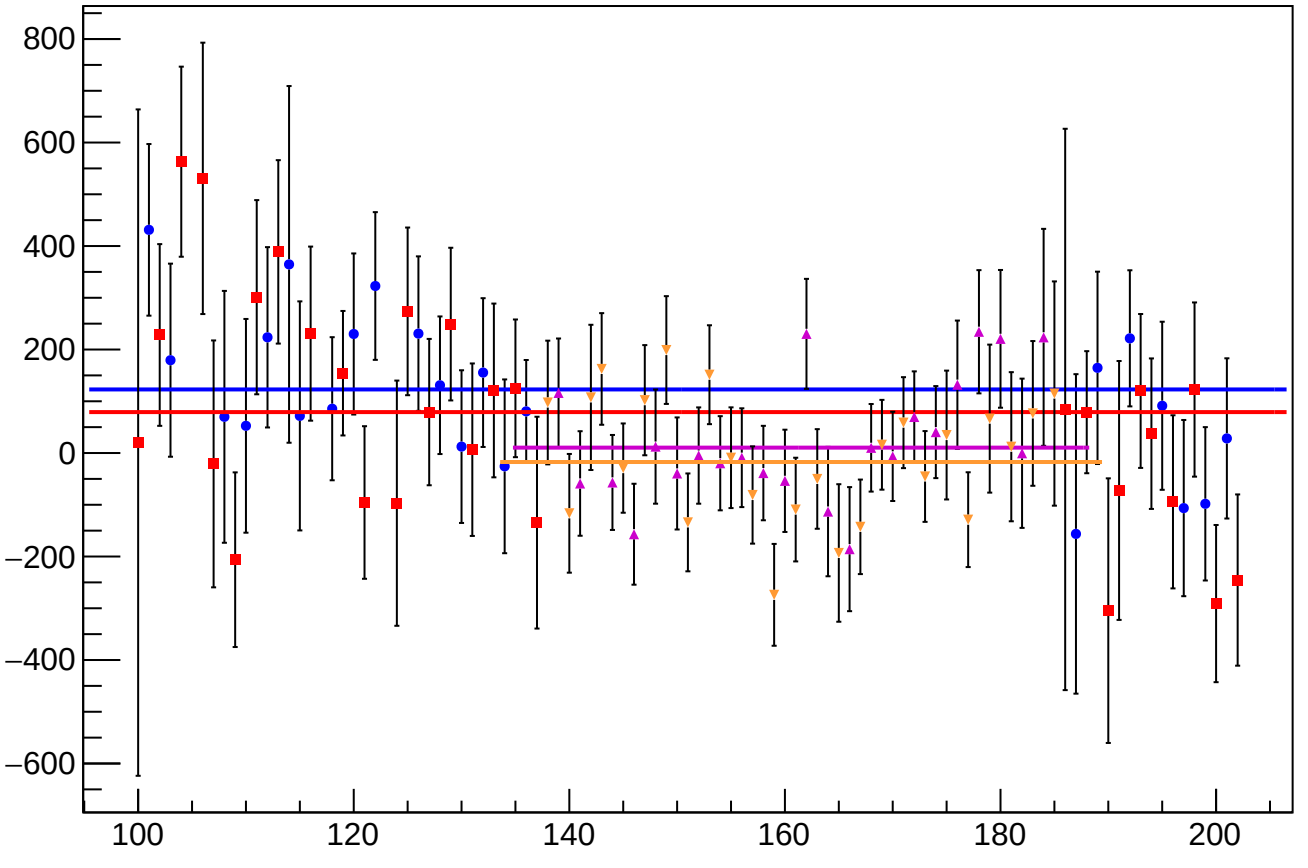
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1742.171+/-0.255 χ^2/NDF: 6495786.8/51

In: 977.441+/-0.134 χ^2/NDF:7866481.9/45

Out: 986.165+/-0.130 χ^2/NDF:10251585.5/53

All: 981.923+/-0.094 χ^2/NDF: 18120241.6/99



Right In: 122.864+/-33.341 χ^2/NDF: 15.1/22

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 79.094+/-31.685 χ^2/NDF: 39.2/28

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

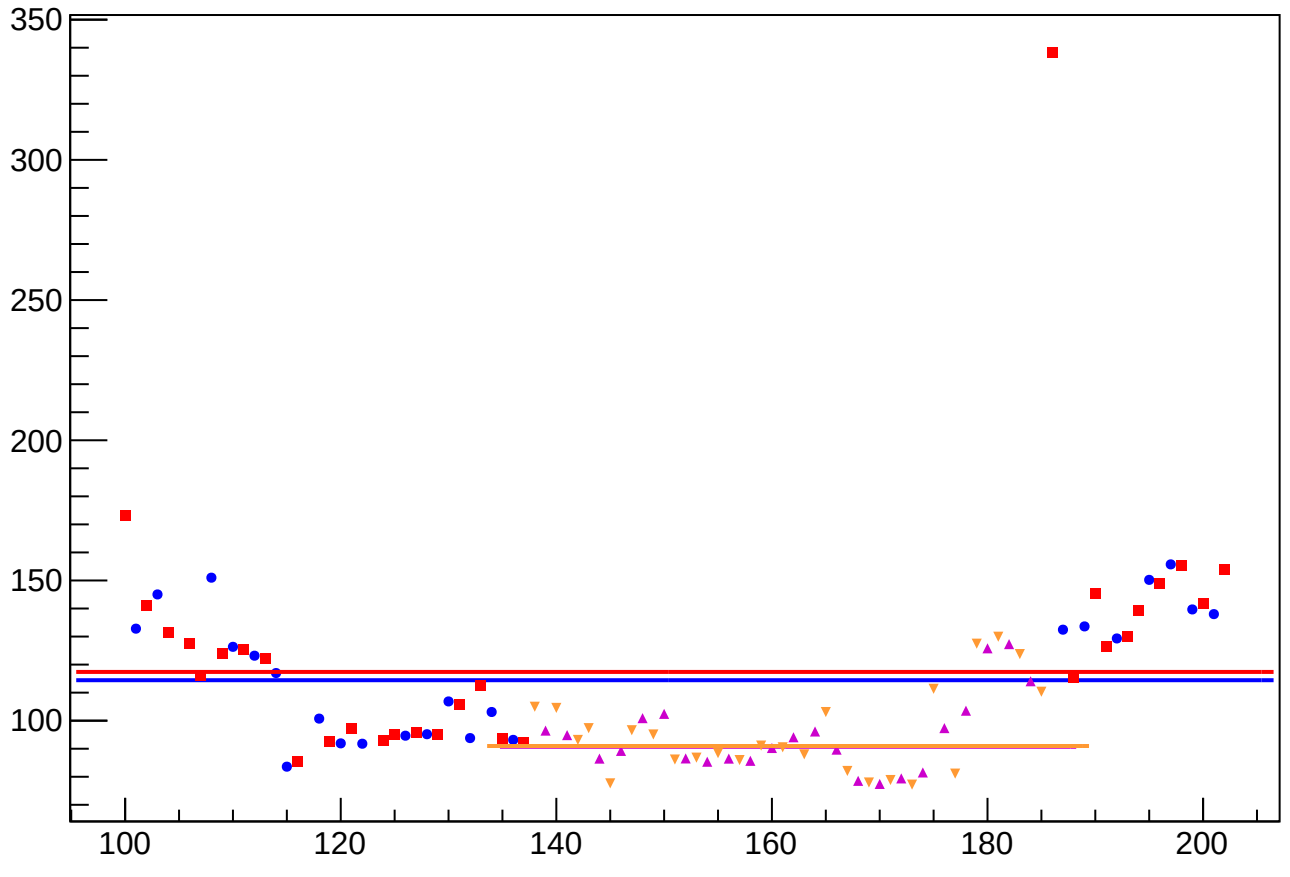
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 99.865+/-22.968 χ^2/NDF: 55.2/51

In: 43.447+/-18.071 χ^2/NDF:45.8/45

Out: 12.055+/-17.497 χ^2/NDF:76.9/53

All: 27.245+/-12.570 χ^2/NDF: 124.2/99



Right In: 114.432+/-0.024 χ^2/NDF: 883650.6/22

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 117.386+/-0.022 χ^2/NDF: 1265311.6/28

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

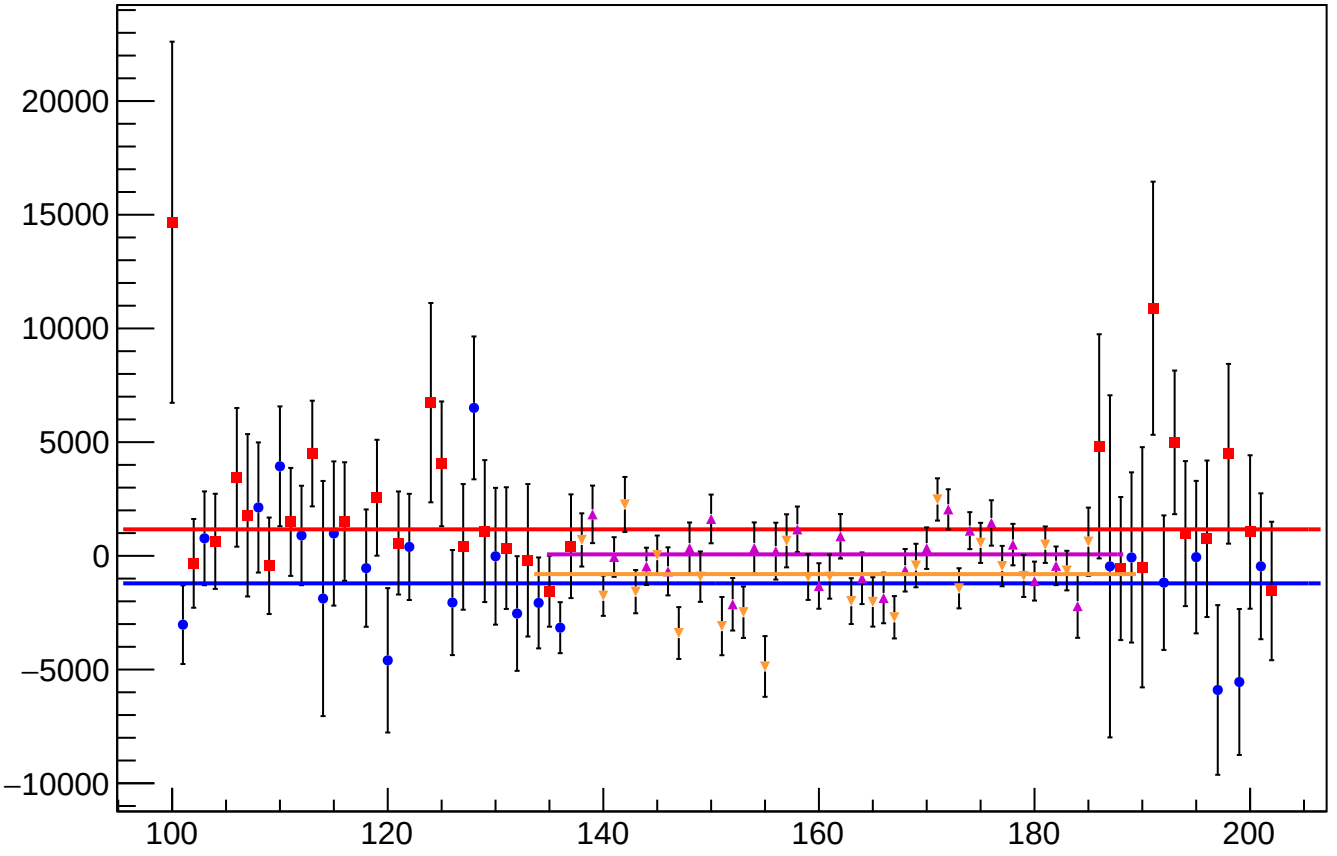
Right: 115.984+/-0.016 χ^2/NDF: 2157209.5/51

In: 97.665+/-0.013 χ^2/NDF:2145886.7/45

Out: 99.023+/-0.012 χ^2/NDF:3016305.0/53

All: 98.366+/-0.009 χ^2/NDF: 5168022.8/99

asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1209.840+/-514.739 χ^2/NDF: 23.8/22

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1165.489+/-514.570 χ^2/NDF: 20.4/28

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

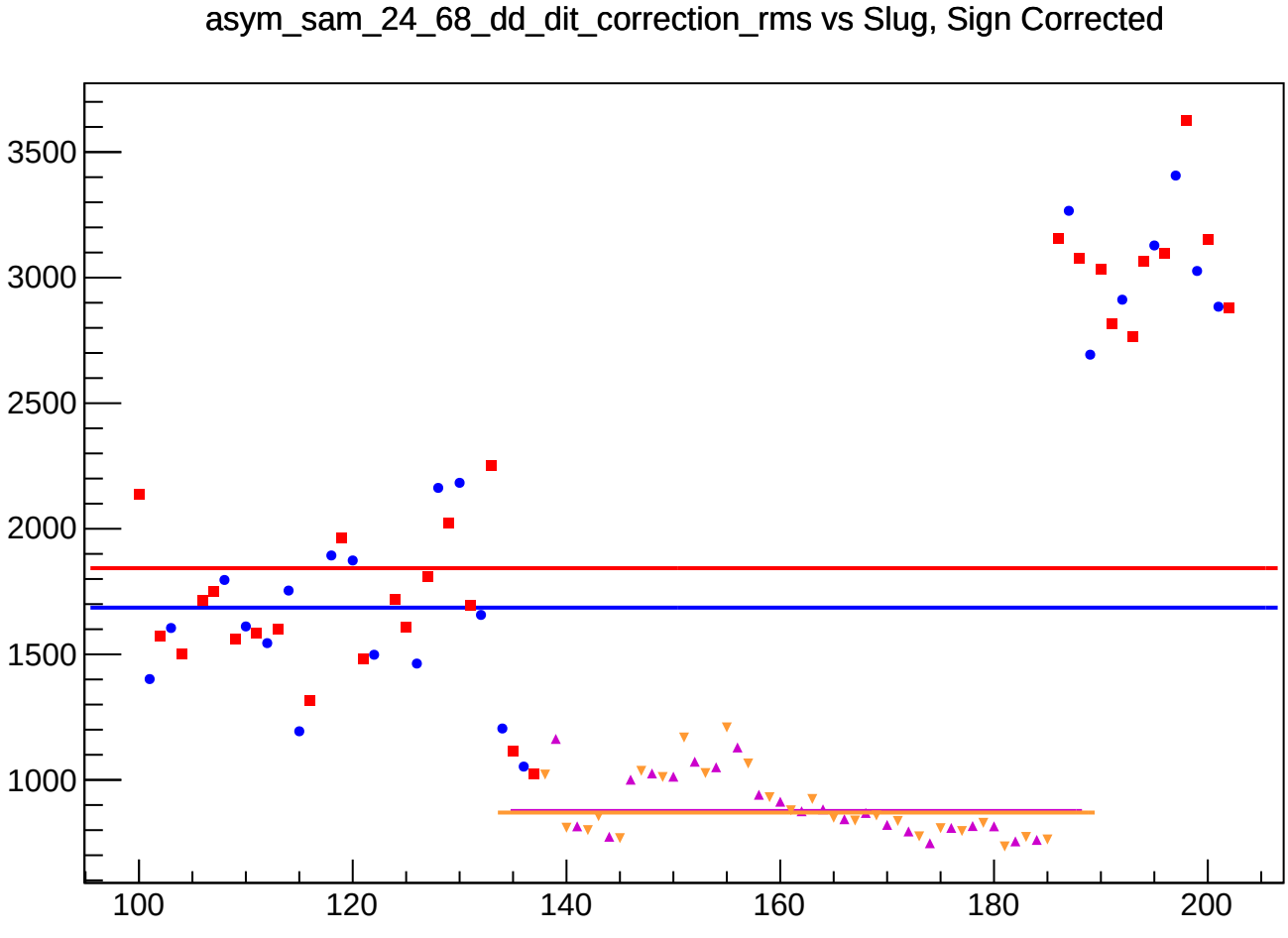
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

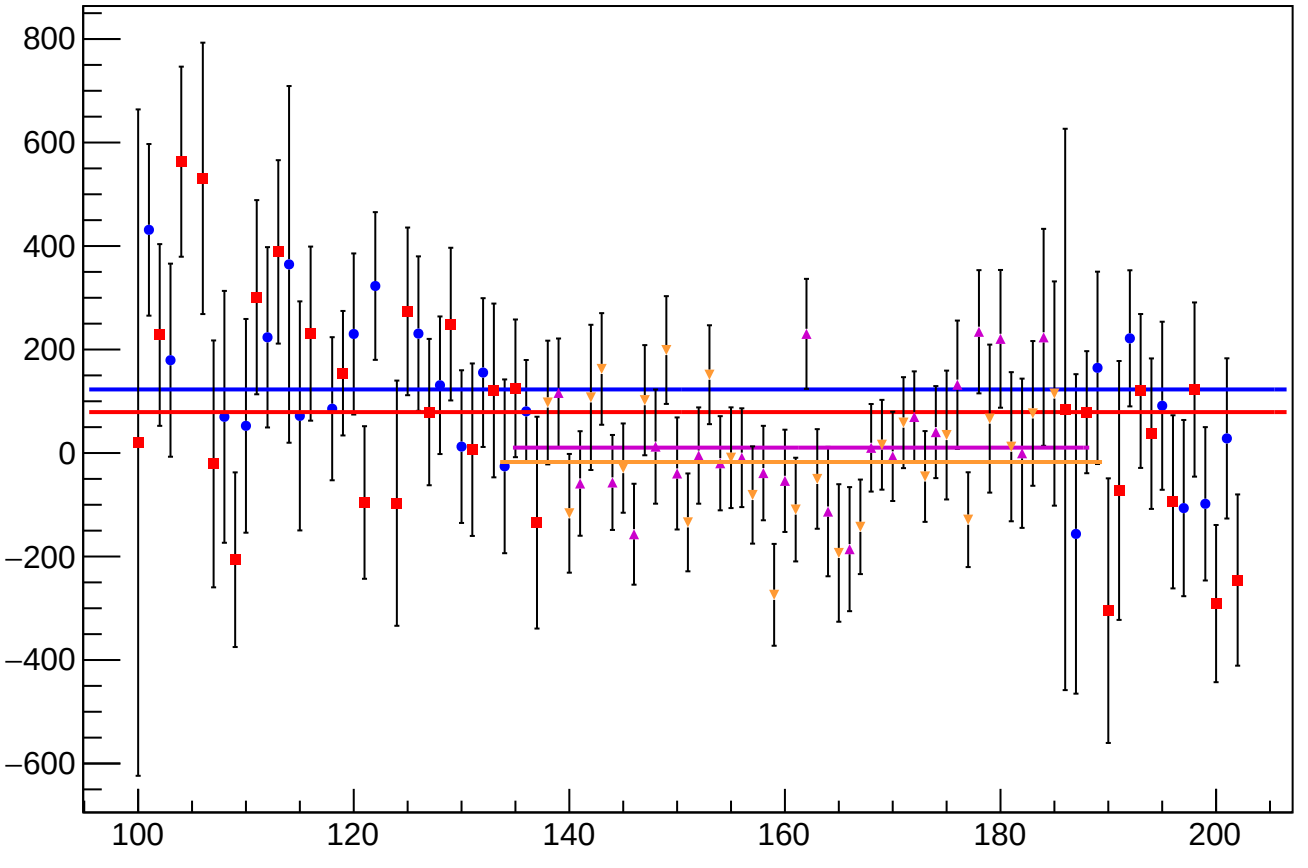
Right: -21.786+/-363.916 χ^2/NDF: 54.8/51

In: -111.804+/-191.794 χ^2/NDF:59.8/45

Out: -544.581+/-186.294 χ^2/NDF:91.4/53

All: -334.488+/-133.632 χ^2/NDF: 153.8/99


asym_sam_24_68_dd_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1685.958+/-0.364 χ²/NDF: 3024358.5/22
Left Out: 870.009+/-0.141 χ²/NDF:647274.1/24
Right Out: 1843.079+/-0.364 χ²/NDF: 3349024.7/28
Left In: 876.273+/-0.146 χ²/NDF:597200.7/22
Left: 873.036+/-0.102 χ²/NDF: 1245424.4/47
Right: 1764.544+/-0.257 χ²/NDF: 6466587.2/51
In: 988.685+/-0.136 χ²/NDF:7883178.3/45
Out: 997.550+/-0.132 χ²/NDF:10210894.2/53
All: 993.247+/-0.094 χ²/NDF: 18096270.9/99



Right In: 122.866+/-33.340 χ^2/NDF: 15.1/22

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 79.094+/-31.685 χ^2/NDF: 39.2/28

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

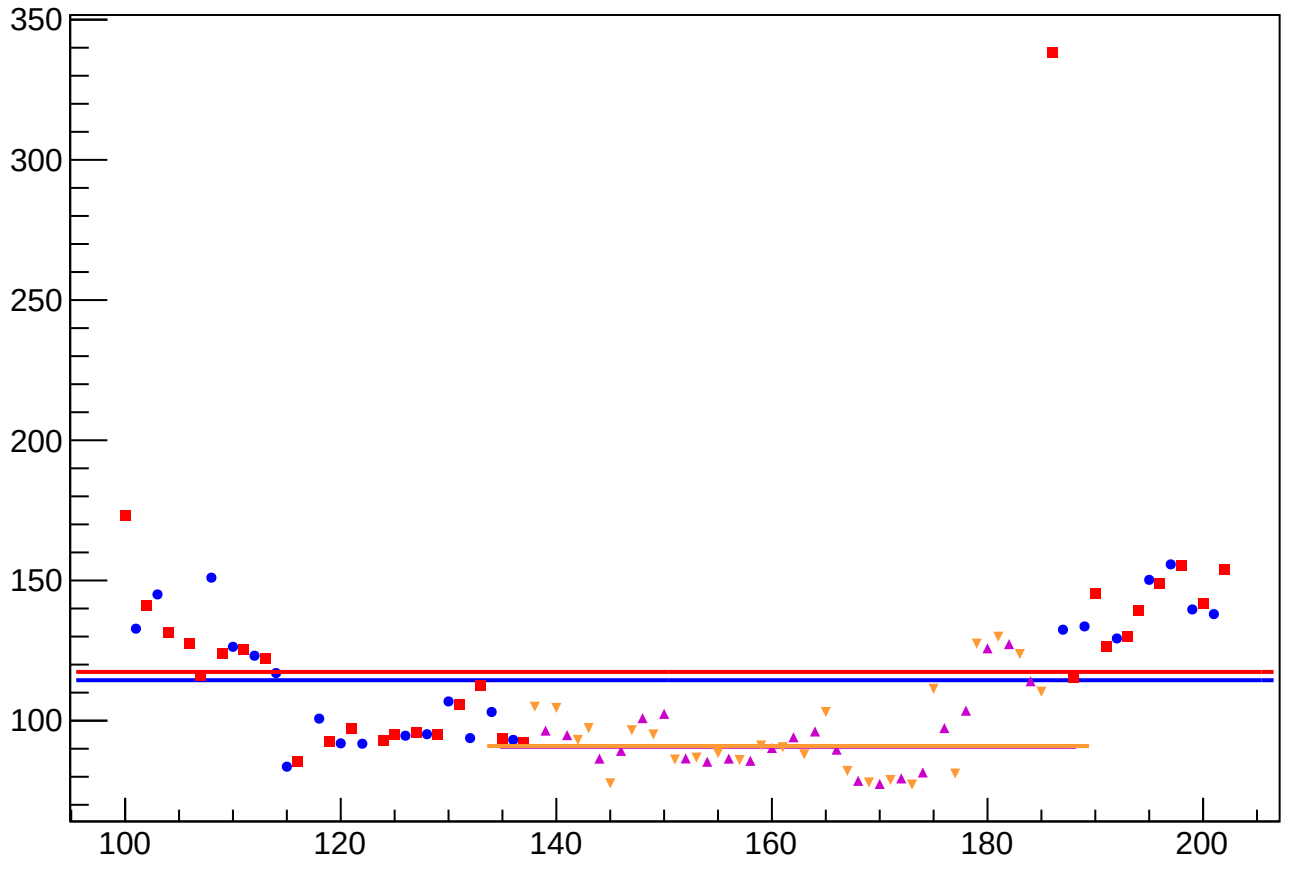
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 99.866+/-22.967 χ^2/NDF: 55.2/51

In: 43.448+/-18.071 χ^2/NDF:45.8/45

Out: 12.056+/-17.497 χ^2/NDF:76.9/53

All: 27.245+/-12.570 χ^2/NDF: 124.2/99



Right In: 114.431+/-0.024 χ^2/NDF: 883674.2/22

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 117.385+/-0.022 χ^2/NDF: 1265338.3/28

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

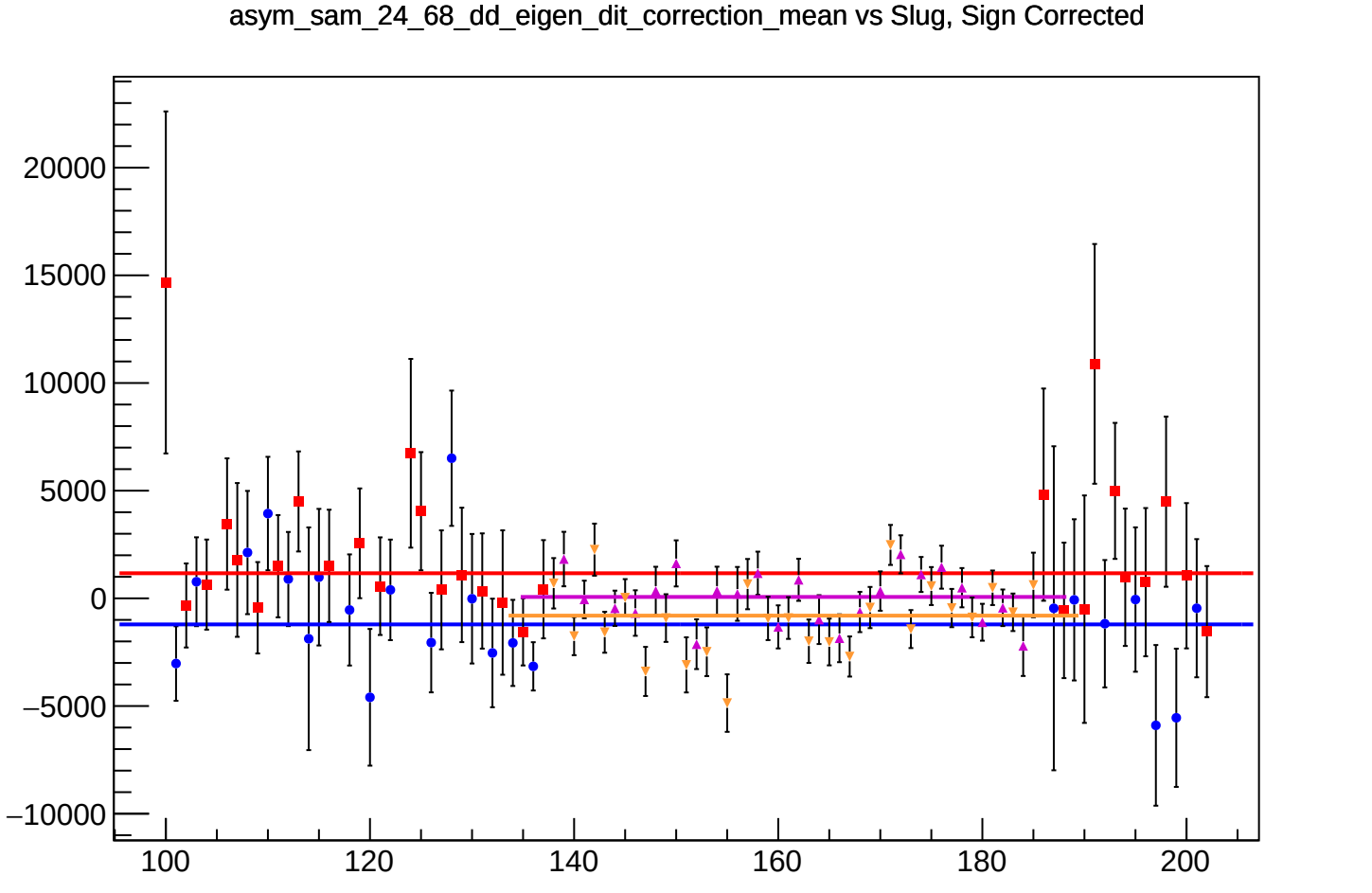
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

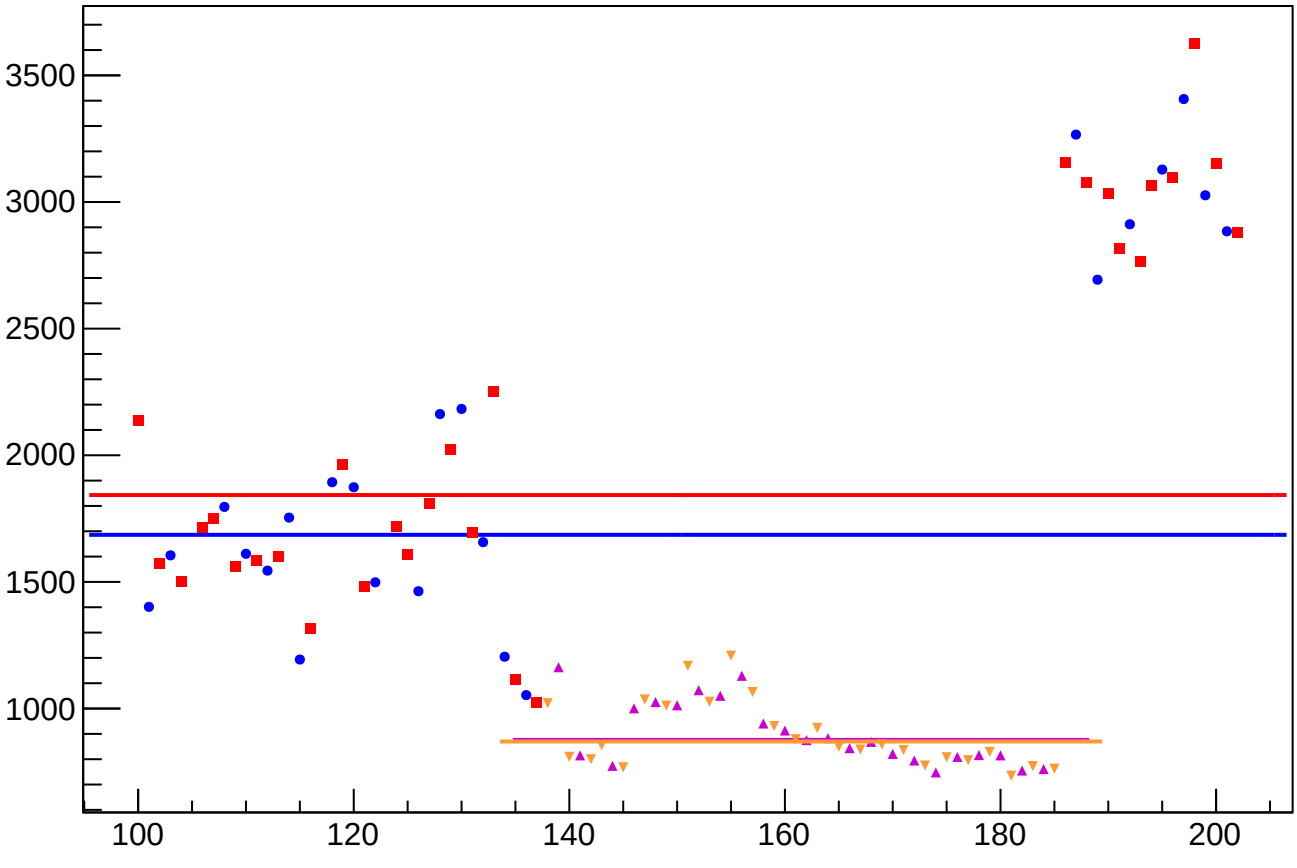
Right: 115.983+/-0.016 χ^2/NDF: 2157261.8/51

In: 97.665+/-0.013 χ^2/NDF:2145854.5/45

Out: 99.023+/-0.012 χ^2/NDF:3016292.1/53

All: 98.366+/-0.009 χ^2/NDF: 5167979.3/99


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1209.836+/-514.738 χ²/NDF: 23.8/22
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1165.488+/-514.569 χ²/NDF: 20.4/28
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -21.785+/-363.915 χ²/NDF: 54.8/51
In: -111.804+/-191.794 χ²/NDF:59.8/45
Out: -544.580+/-186.294 χ²/NDF:91.4/53
All: -334.487+/-133.632 χ²/NDF: 153.8/99



Right In: 1685.955+/-0.364 χ^2/NDF: 3024361.1/22

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1843.075+/-0.364 χ^2/NDF: 3349033.8/28

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

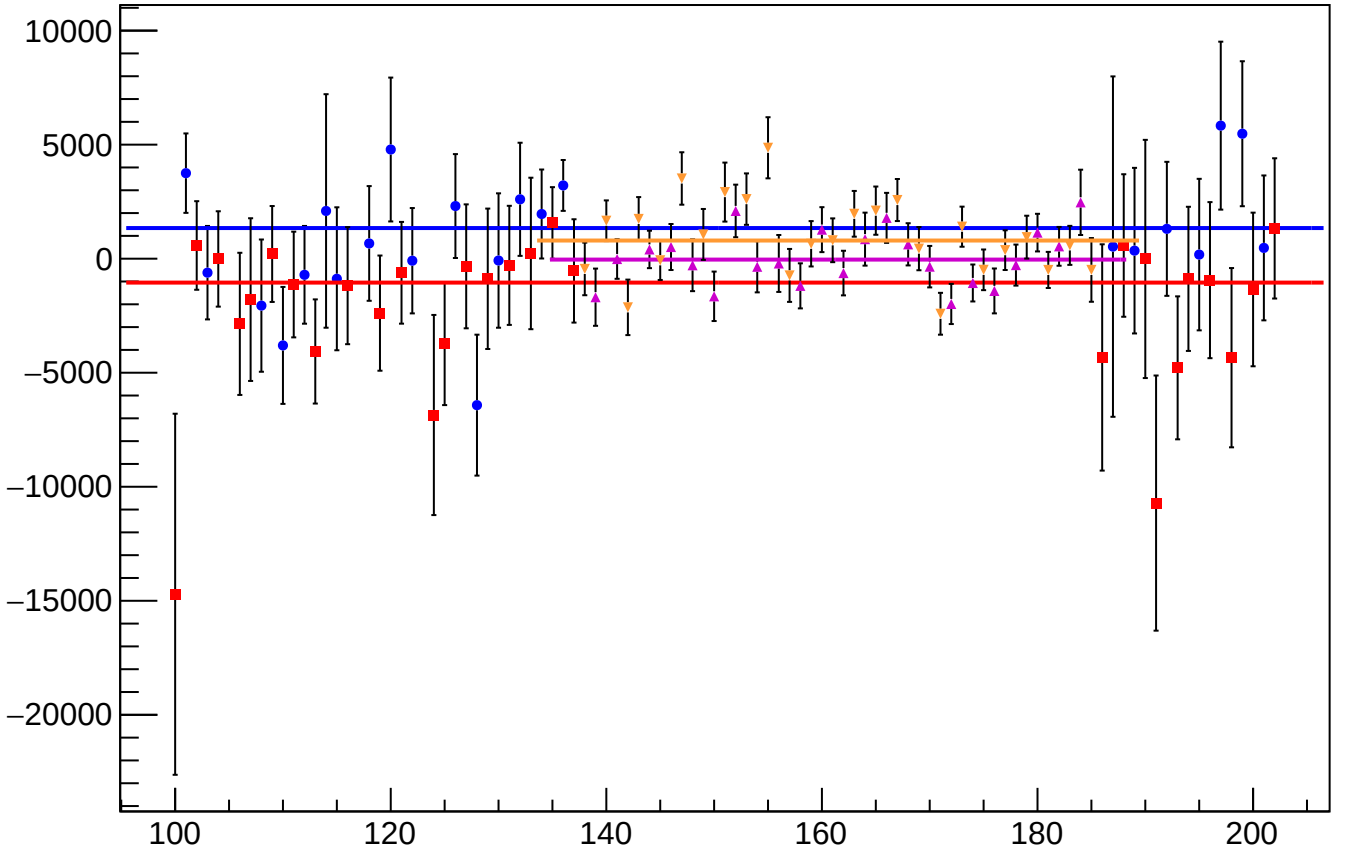
Right: 1764.541+/-0.257 χ^2/NDF: 6466598.8/51

In: 988.684+/-0.136 χ^2/NDF:7883172.2/45

Out: 997.549+/-0.132 χ^2/NDF:10210890.1/53

All: 993.246+/-0.094 χ^2/NDF: 18096260.8/99

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1343.217+/-509.166 χ^2/NDF: 24.7/22

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1048.322+/-510.888 χ^2/NDF: 19.1/28

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

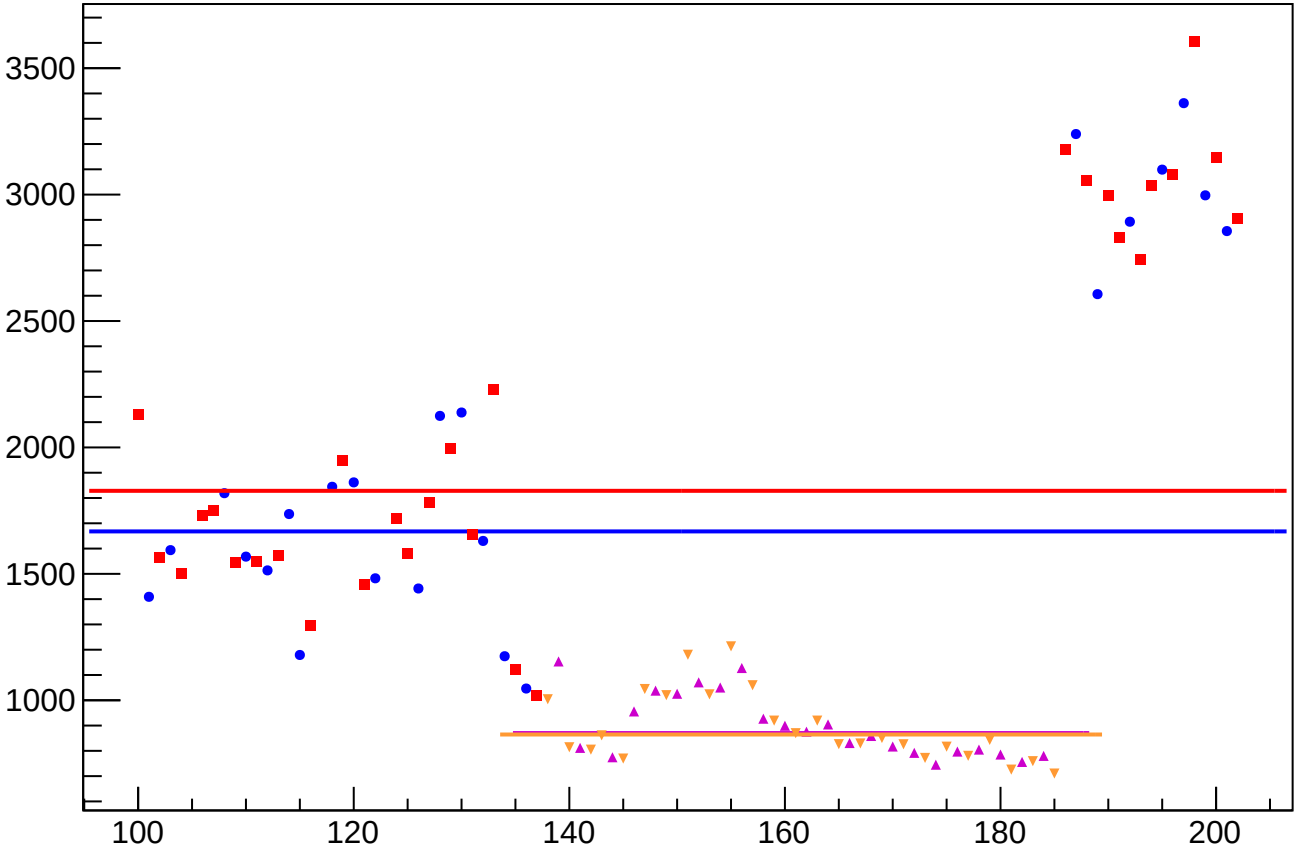
Right: 151.484+/-360.642 χ^2/NDF: 54.7/51

In: 153.730+/-190.444 χ^2/NDF:60.7/45

Out: 553.704+/-185.269 χ^2/NDF:87.6/53

All: 359.225+/-132.797 χ^2/NDF: 150.6/99

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1667.880+/-0.360 χ^2/NDF: 3002542.3/22

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1828.385+/-0.361 χ^2/NDF: 3364463.3/28

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

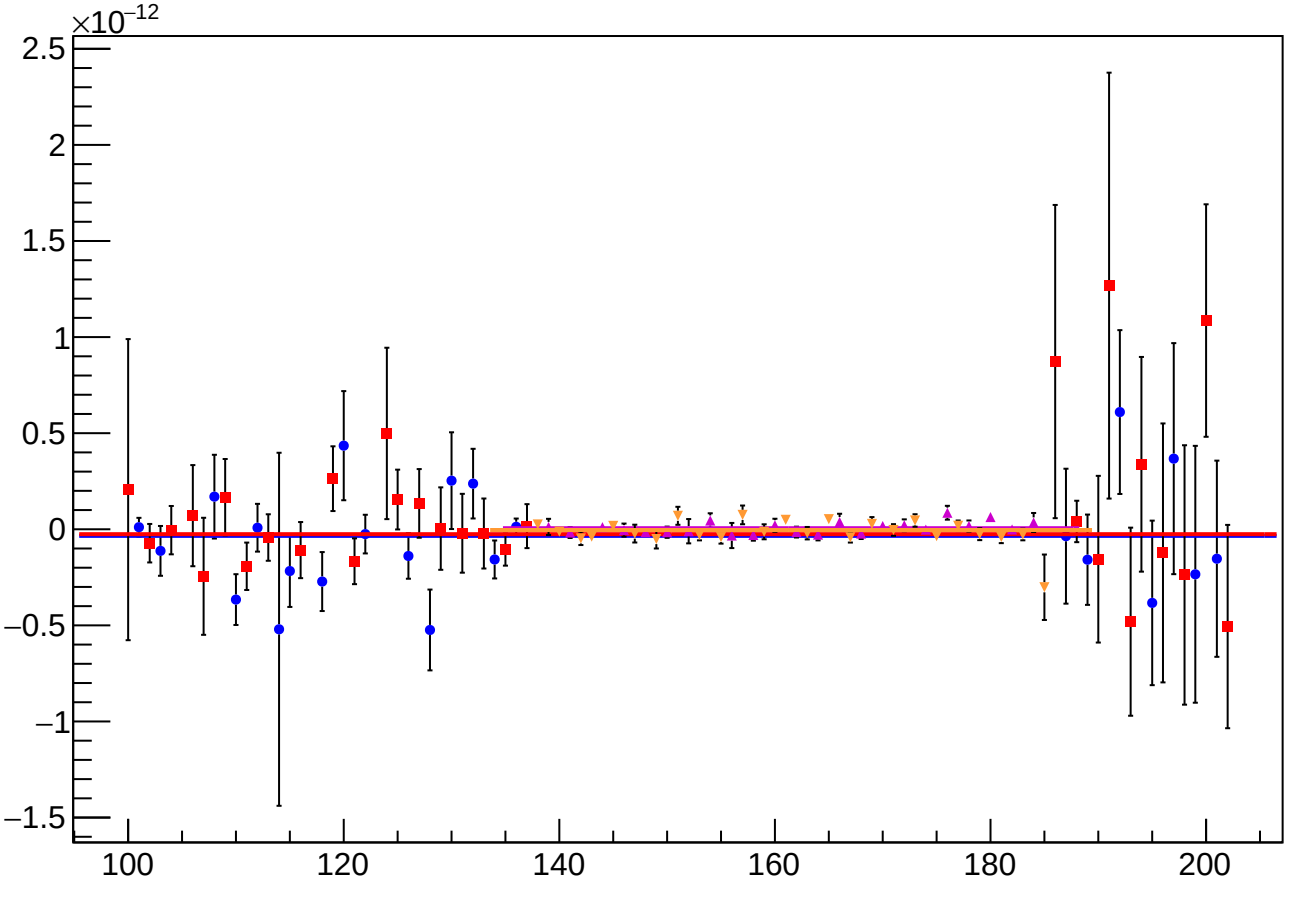
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1747.861+/-0.255 χ^2/NDF: 6466041.1/51

In: 981.921+/-0.135 χ^2/NDF:7827504.3/45

Out: 991.378+/-0.131 χ^2/NDF:10234591.5/53

All: 986.780+/-0.094 χ^2/NDF: 18064629.9/99



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/28

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

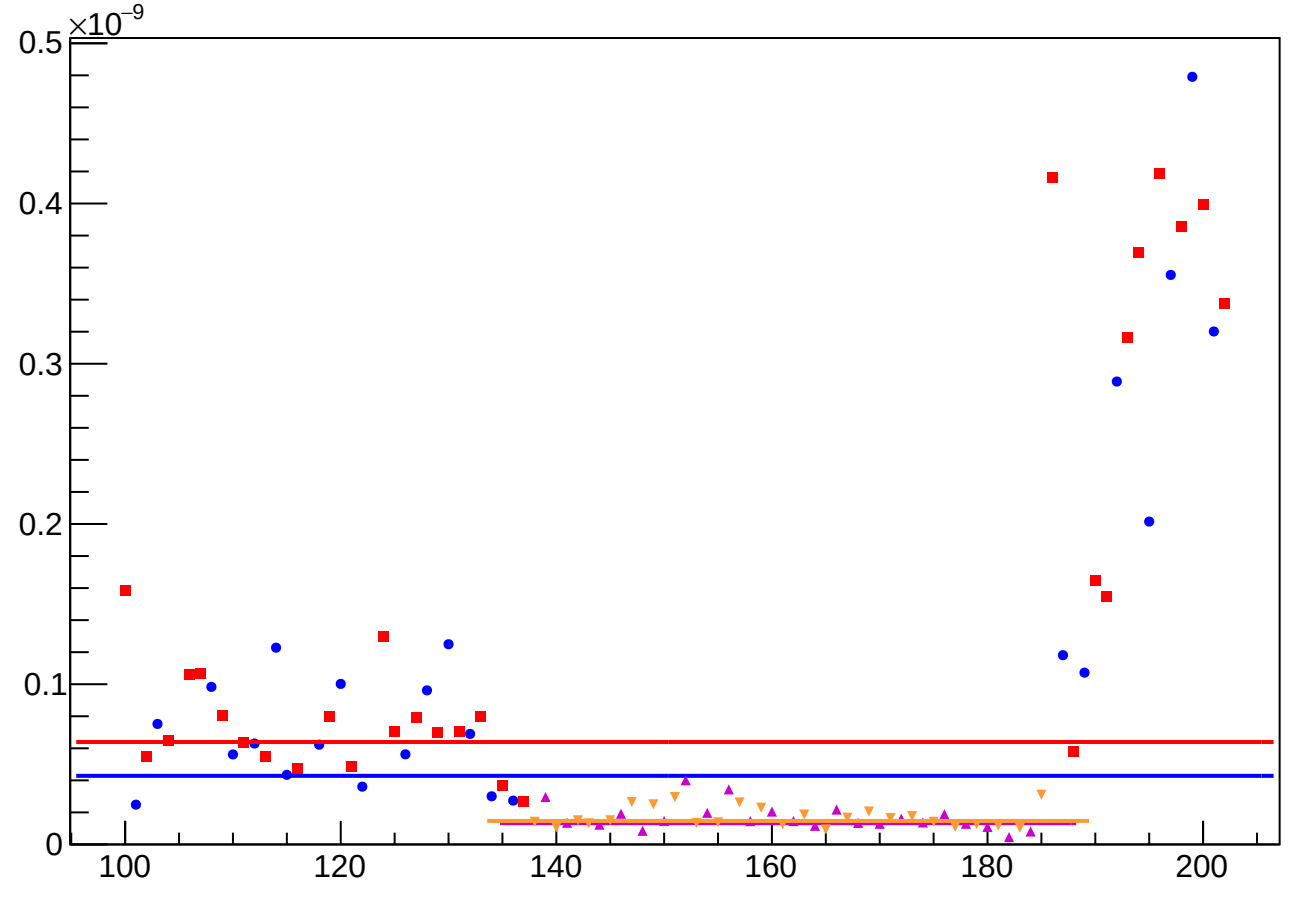
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 53.0/51

In: 0.000+/-0.000 χ^2/NDF:54.3/45

Out: -0.000+/-0.000 χ^2/NDF:60.9/53

All: -0.000+/-0.000 χ^2/NDF: 116.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 4609421.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4535404.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

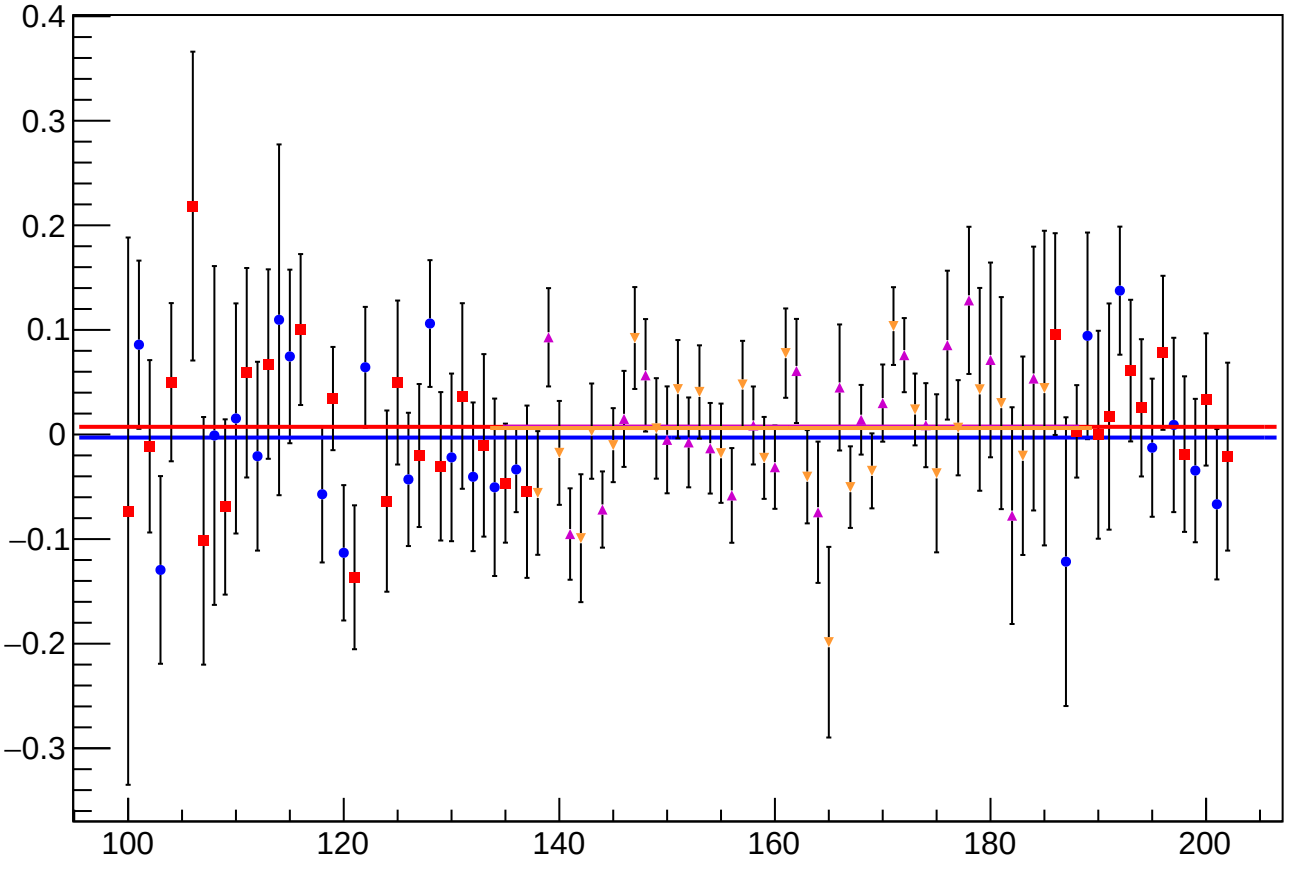
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9694603.4/51

In: 0.000+/-0.000 χ^2/NDF:9286380.7/45

Out: 0.000+/-0.000 χ^2/NDF:10241754.9/53

All: 0.000+/-0.000 χ^2/NDF: 19588501.0/99



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

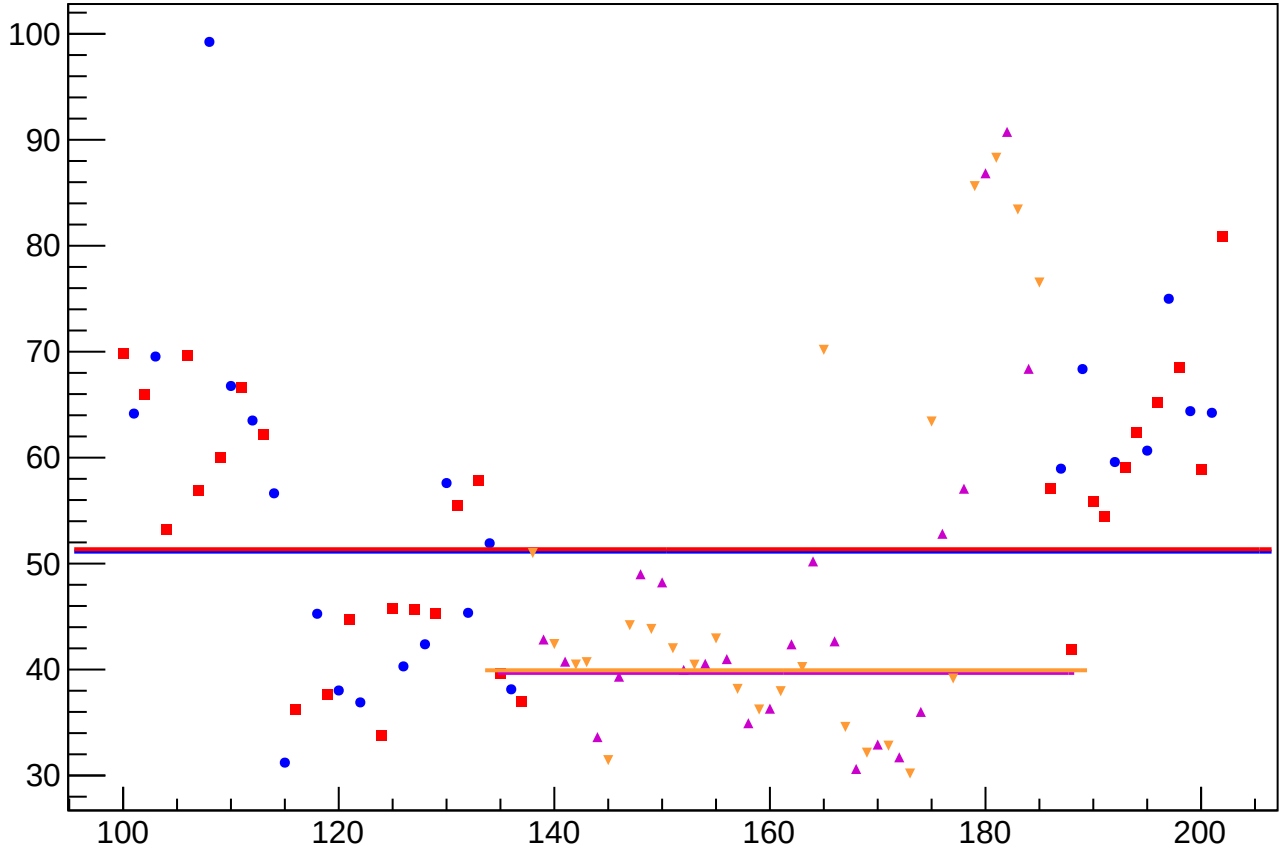
Right: 0.003+/-0.010 χ^2/NDF: 39.8/51

In: 0.004+/-0.008 χ^2/NDF:53.2/45

Out: 0.007+/-0.008 χ^2/NDF:48.0/53

All: 0.006+/-0.006 χ^2/NDF: 101.2/99

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.130+/-0.011 χ^2/NDF: 1509363.6/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.356+/-0.010 χ^2/NDF: 1355048.6/28

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

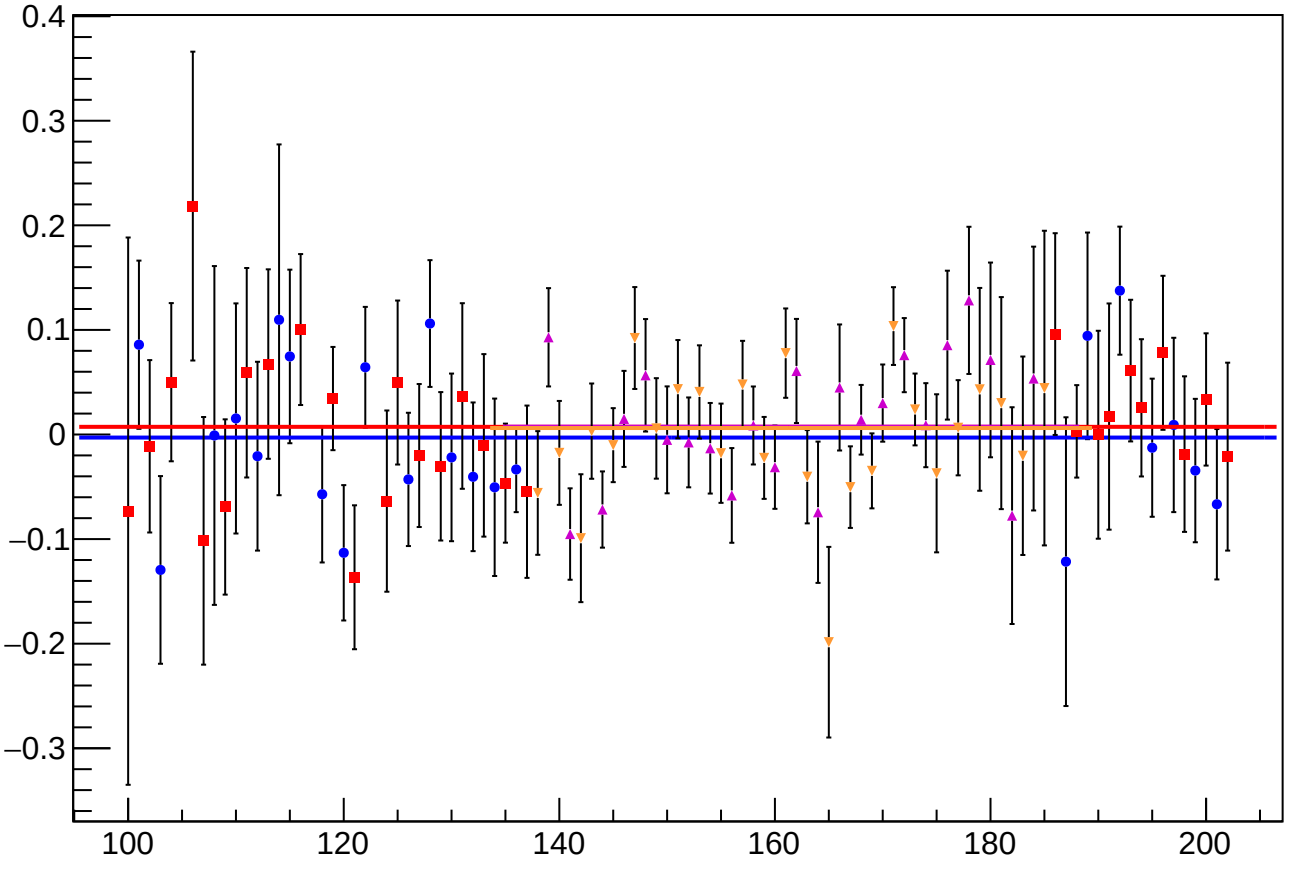
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.252+/-0.007 χ^2/NDF: 2864648.4/51

In: 43.013+/-0.006 χ^2/NDF:4222306.0/45

Out: 43.545+/-0.006 χ^2/NDF:4732036.2/53

All: 43.289+/-0.004 χ^2/NDF: 8958674.7/99



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

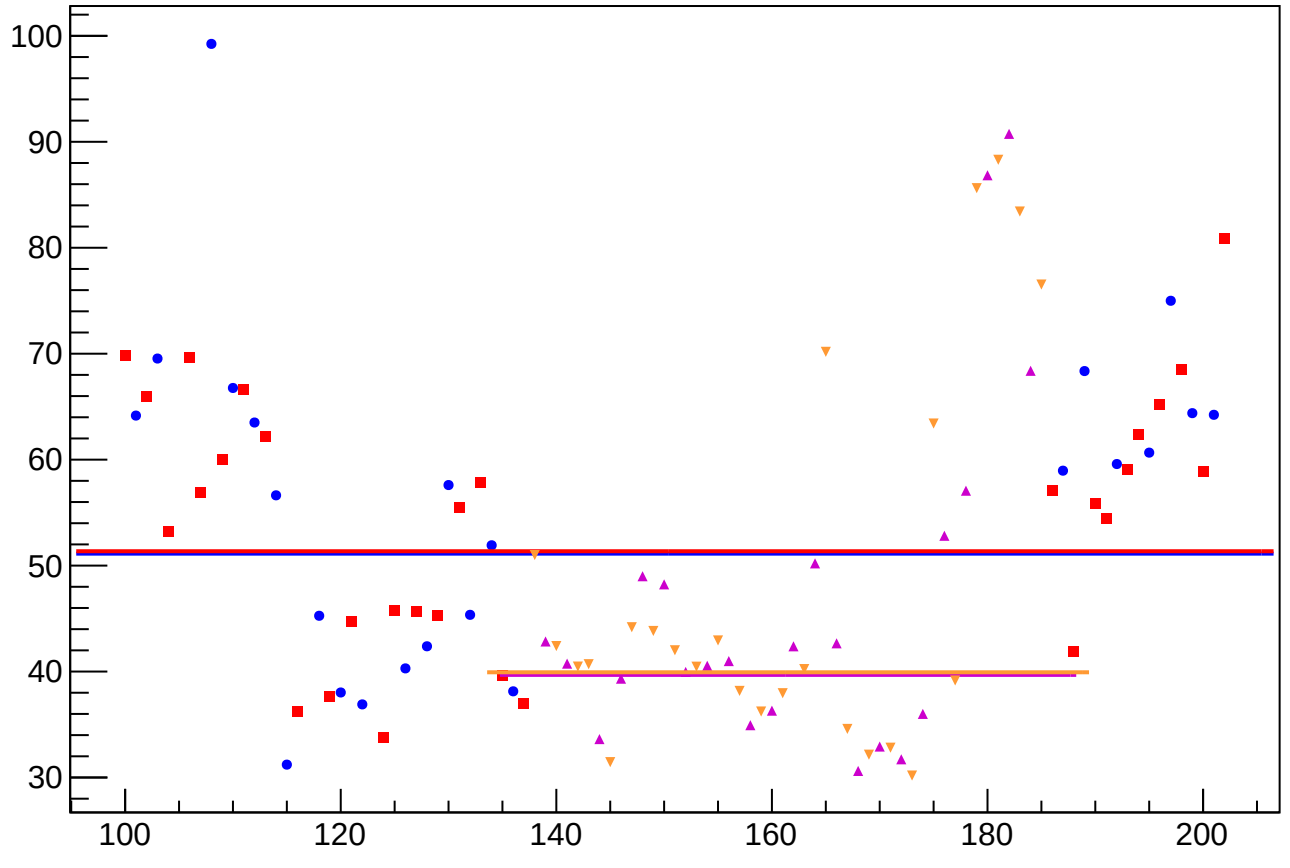
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.003+/-0.010 χ^2/NDF: 39.8/51

In: 0.004+/-0.008 χ^2/NDF:53.2/45

Out: 0.007+/-0.008 χ^2/NDF:48.0/53

All: 0.006+/-0.006 χ^2/NDF: 101.2/99



Right In: 51.130+/-0.011 χ^2/NDF: 1509363.6/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.356+/-0.010 χ^2/NDF: 1355048.6/28

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

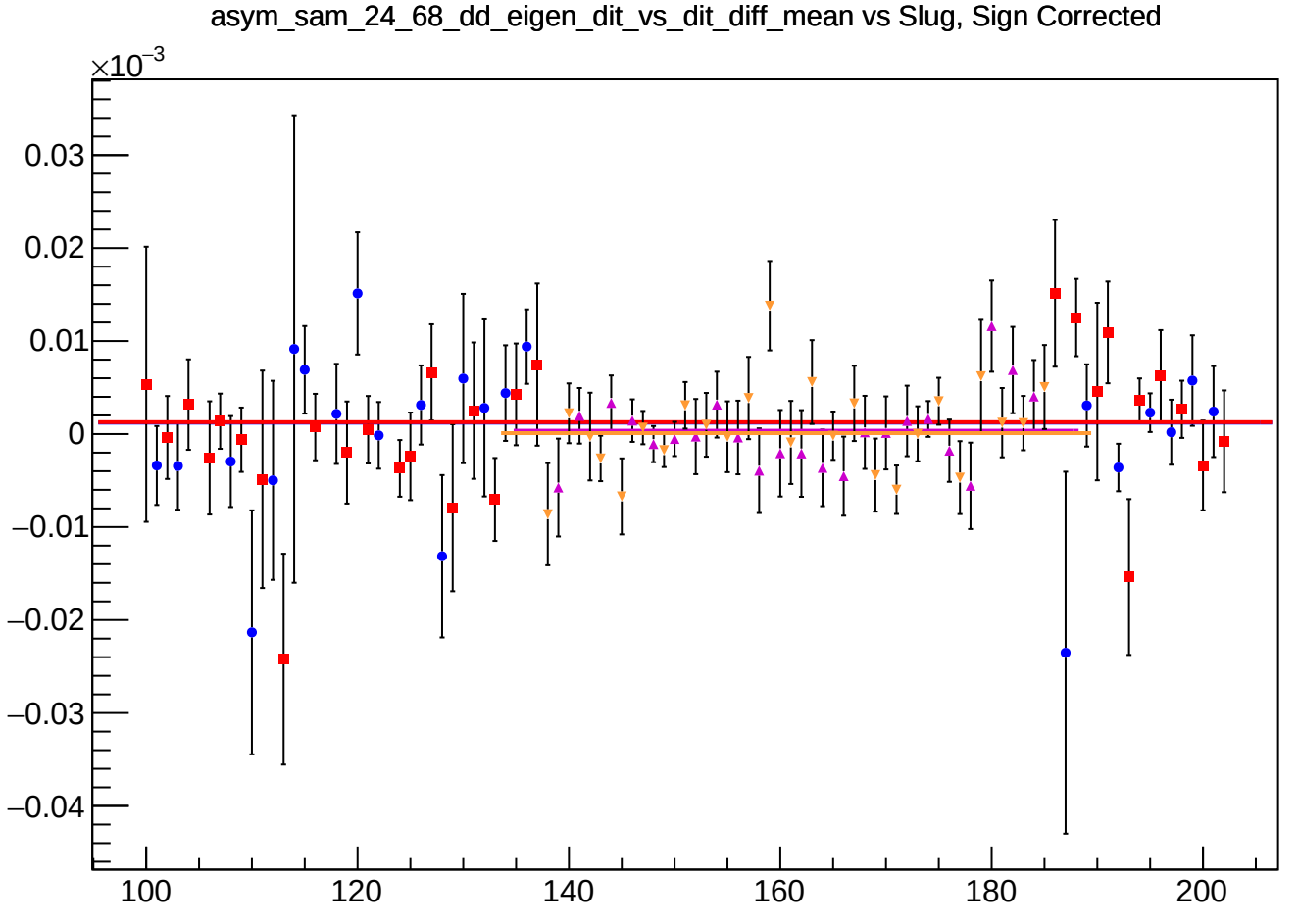
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.252+/-0.007 χ^2/NDF: 2864648.4/51

In: 43.013+/-0.006 χ^2/NDF:4222306.0/45

Out: 43.545+/-0.006 χ^2/NDF:4732036.2/53

All: 43.289+/-0.004 χ^2/NDF: 8958674.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/28

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

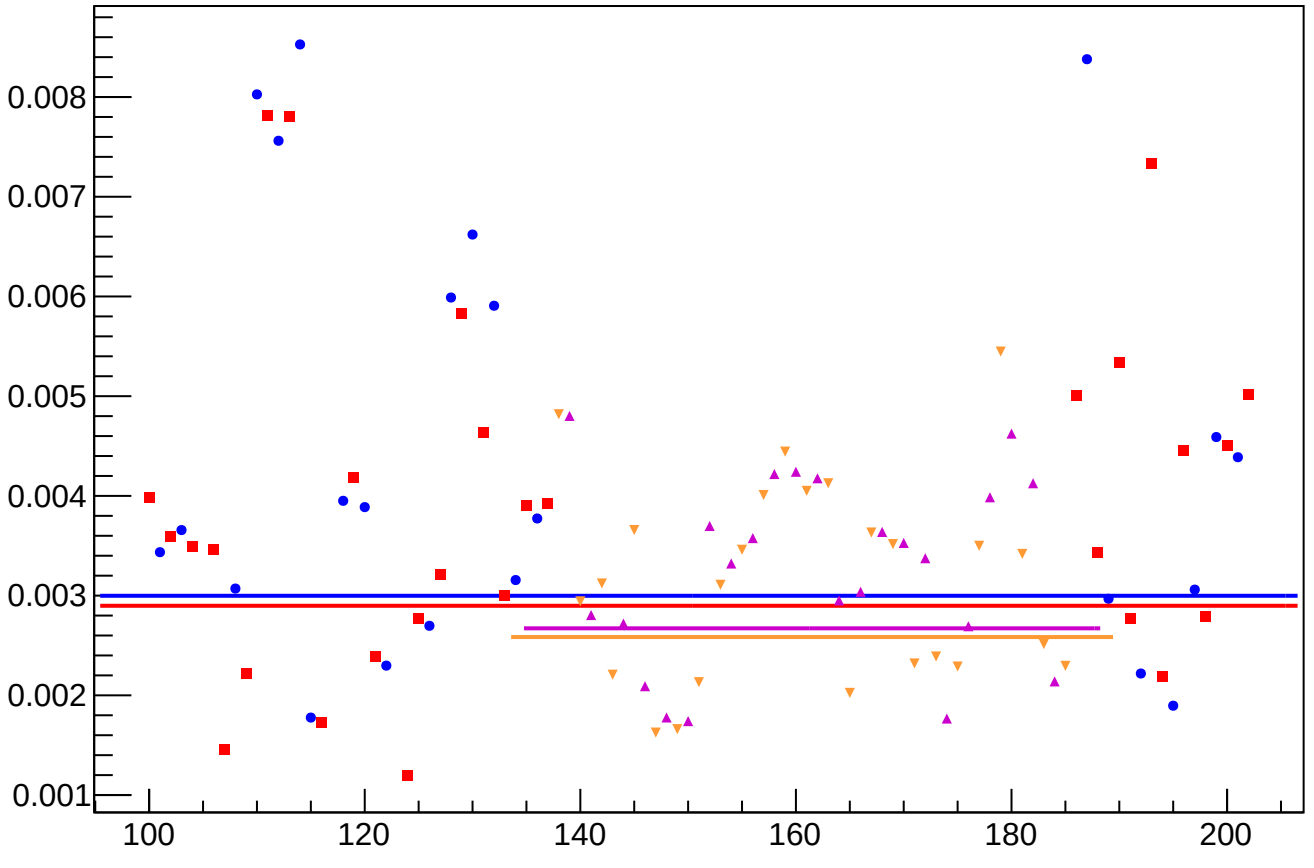
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 64.2/51

In: 0.000+/-0.000 χ^2/NDF:46.1/45

Out: 0.000+/-0.000 χ^2/NDF:71.9/53

All: 0.000+/-0.000 χ^2/NDF: 118.0/99



Right In: 0.003+/-0.000 χ^2/NDF: 3227664.6/22

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4579638.5/28

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

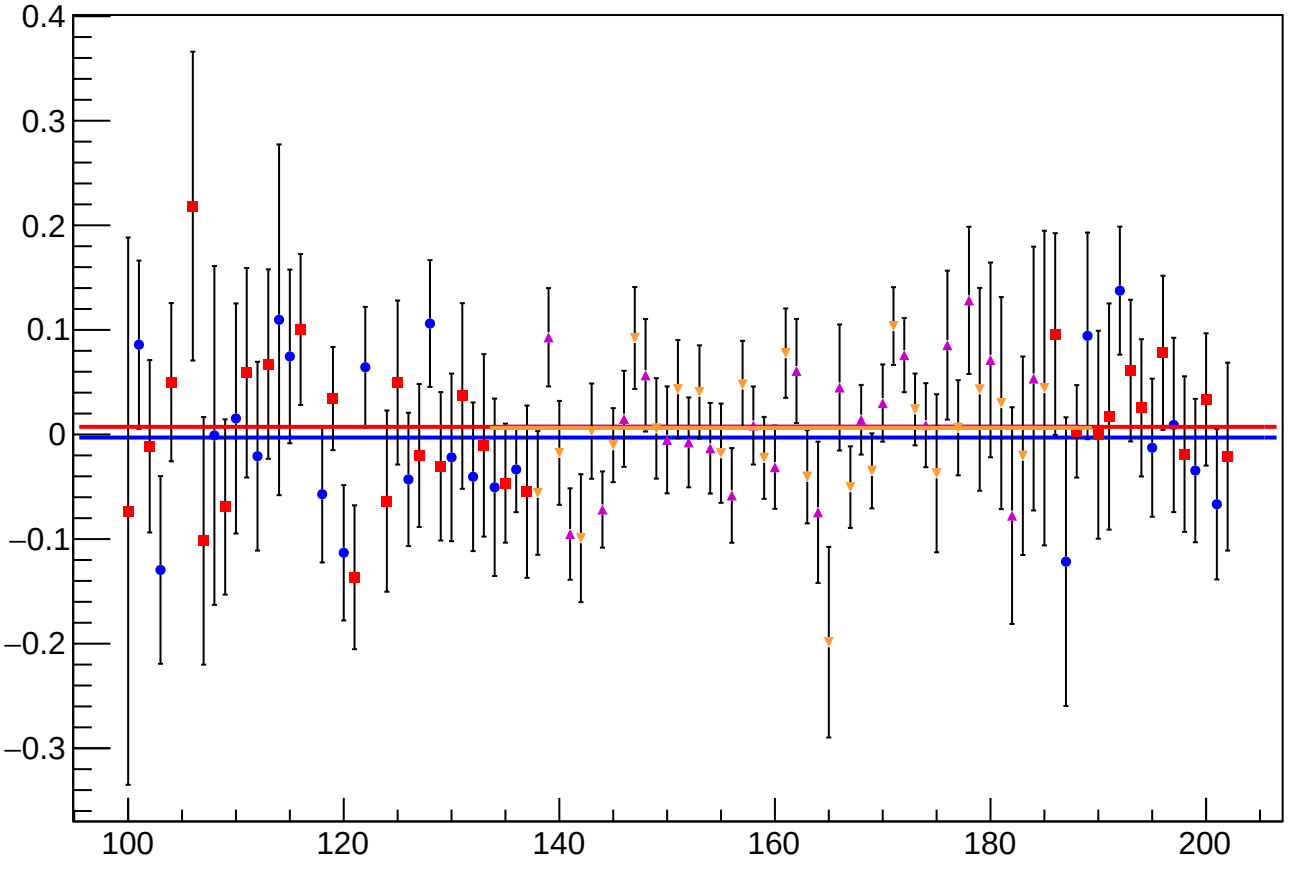
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.003+/-0.000 χ^2/NDF: 7819837.6/51

In: 0.003+/-0.000 χ^2/NDF:7213569.3/45

Out: 0.003+/-0.000 χ^2/NDF:8648785.5/53

All: 0.003+/-0.000 χ^2/NDF: 15889954.2/99



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

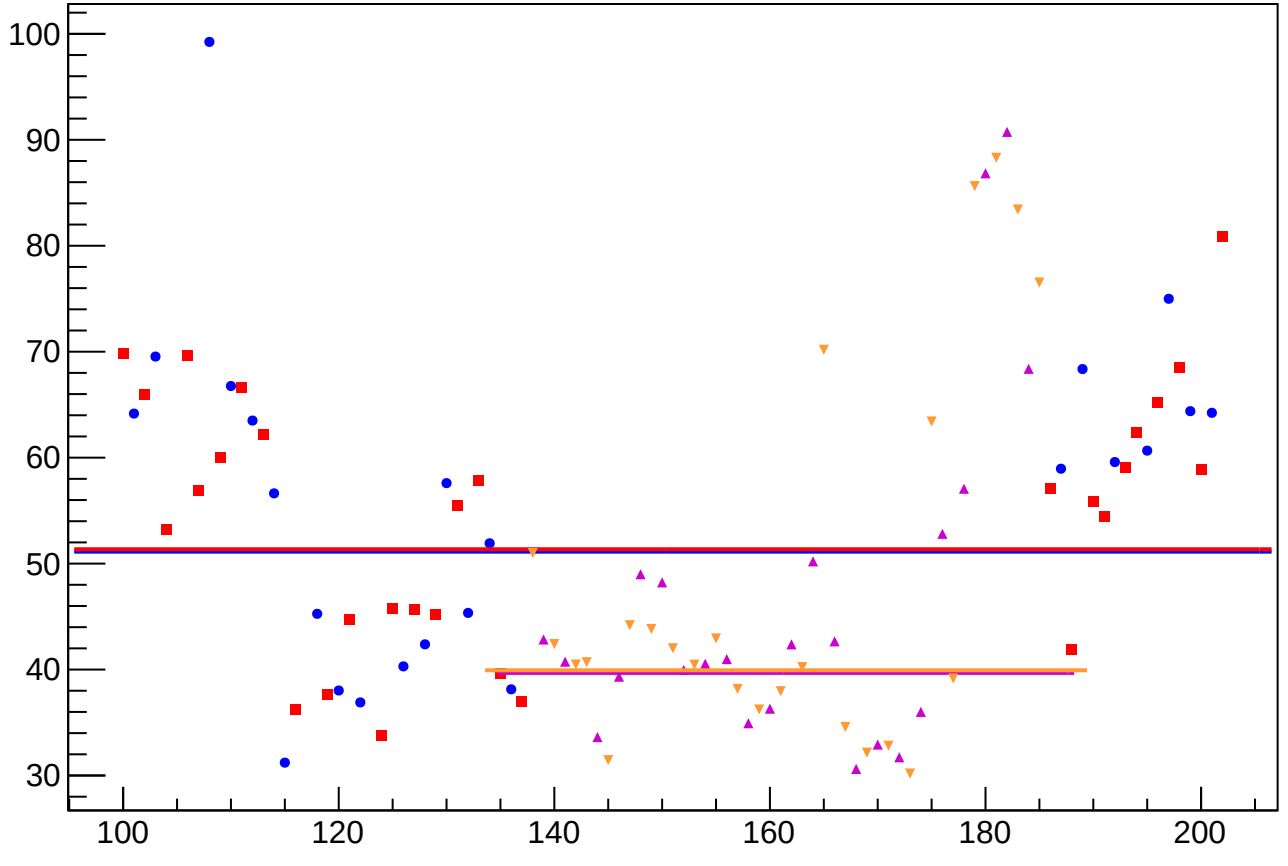
Right: 0.003+/-0.010 χ^2/NDF: 39.8/51

In: 0.004+/-0.008 χ^2/NDF:53.2/45

Out: 0.007+/-0.008 χ^2/NDF:48.0/53

All: 0.006+/-0.006 χ^2/NDF: 101.2/99

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.129+/-0.011 χ^2/NDF: 1509414.8/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.355+/-0.010 χ^2/NDF: 1355087.2/28

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

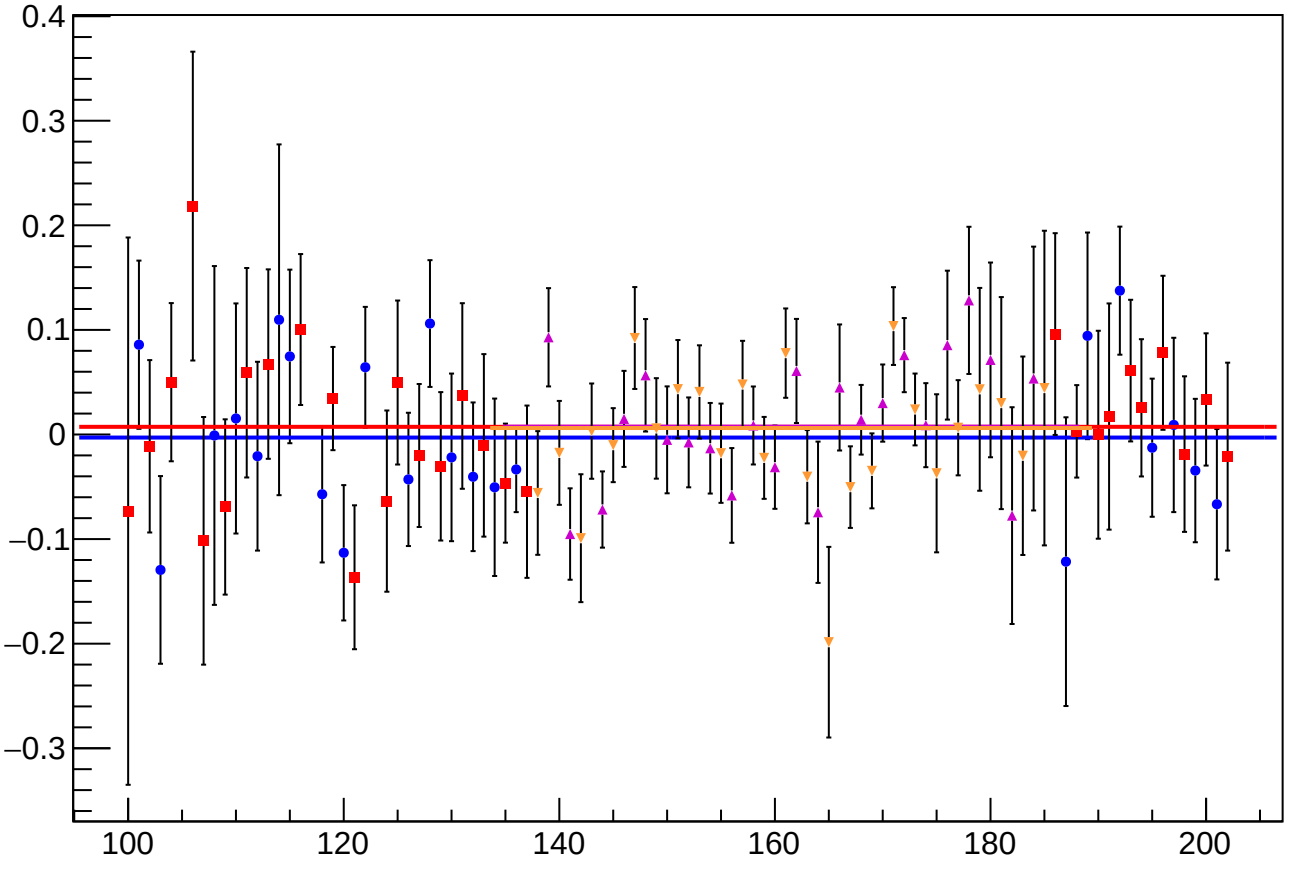
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.251+/-0.007 χ^2/NDF: 2864739.6/51

In: 43.012+/-0.006 χ^2/NDF:4222239.4/45

Out: 43.544+/-0.006 χ^2/NDF:4731996.8/53

All: 43.289+/-0.004 χ^2/NDF: 8958574.6/99



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

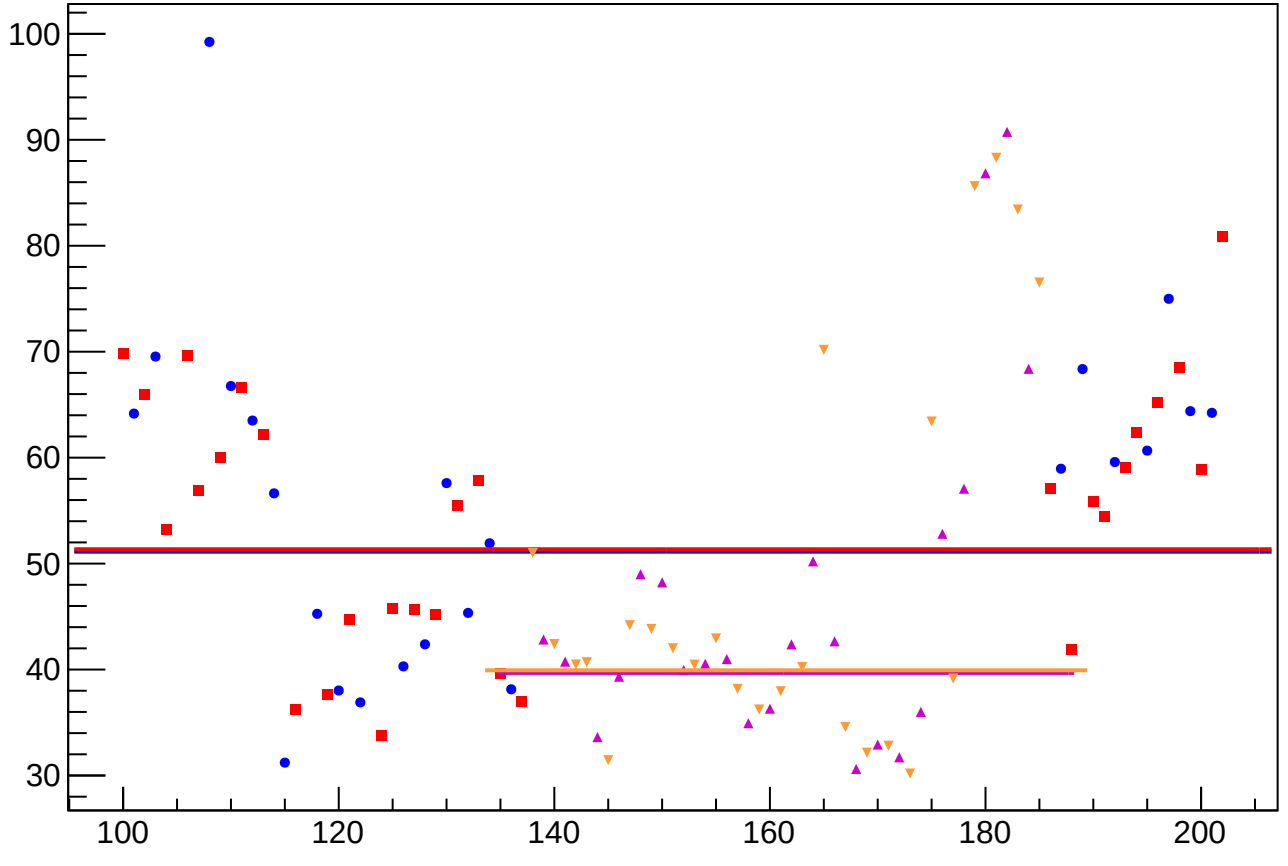
Right: 0.003+/-0.010 χ^2/NDF: 39.8/51

In: 0.004+/-0.008 χ^2/NDF:53.2/45

Out: 0.007+/-0.008 χ^2/NDF:48.0/53

All: 0.006+/-0.006 χ^2/NDF: 101.2/99

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.129+/-0.011 χ^2/NDF: 1509414.8/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.355+/-0.010 χ^2/NDF: 1355087.2/28

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

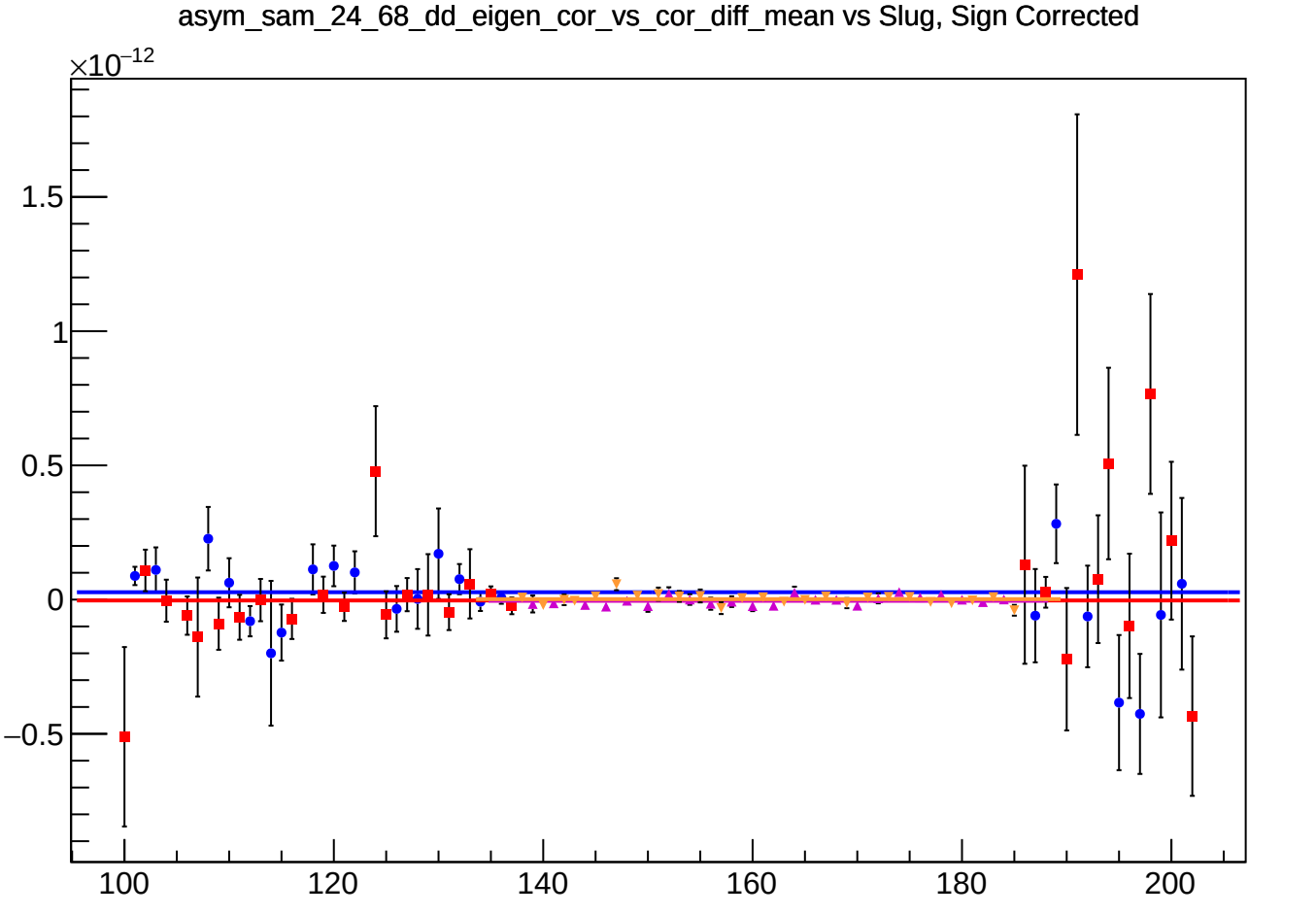
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.251+/-0.007 χ^2/NDF: 2864739.6/51

In: 43.012+/-0.006 χ^2/NDF:4222239.4/45

Out: 43.544+/-0.006 χ^2/NDF:4731996.8/53

All: 43.289+/-0.004 χ^2/NDF: 8958574.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/28

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

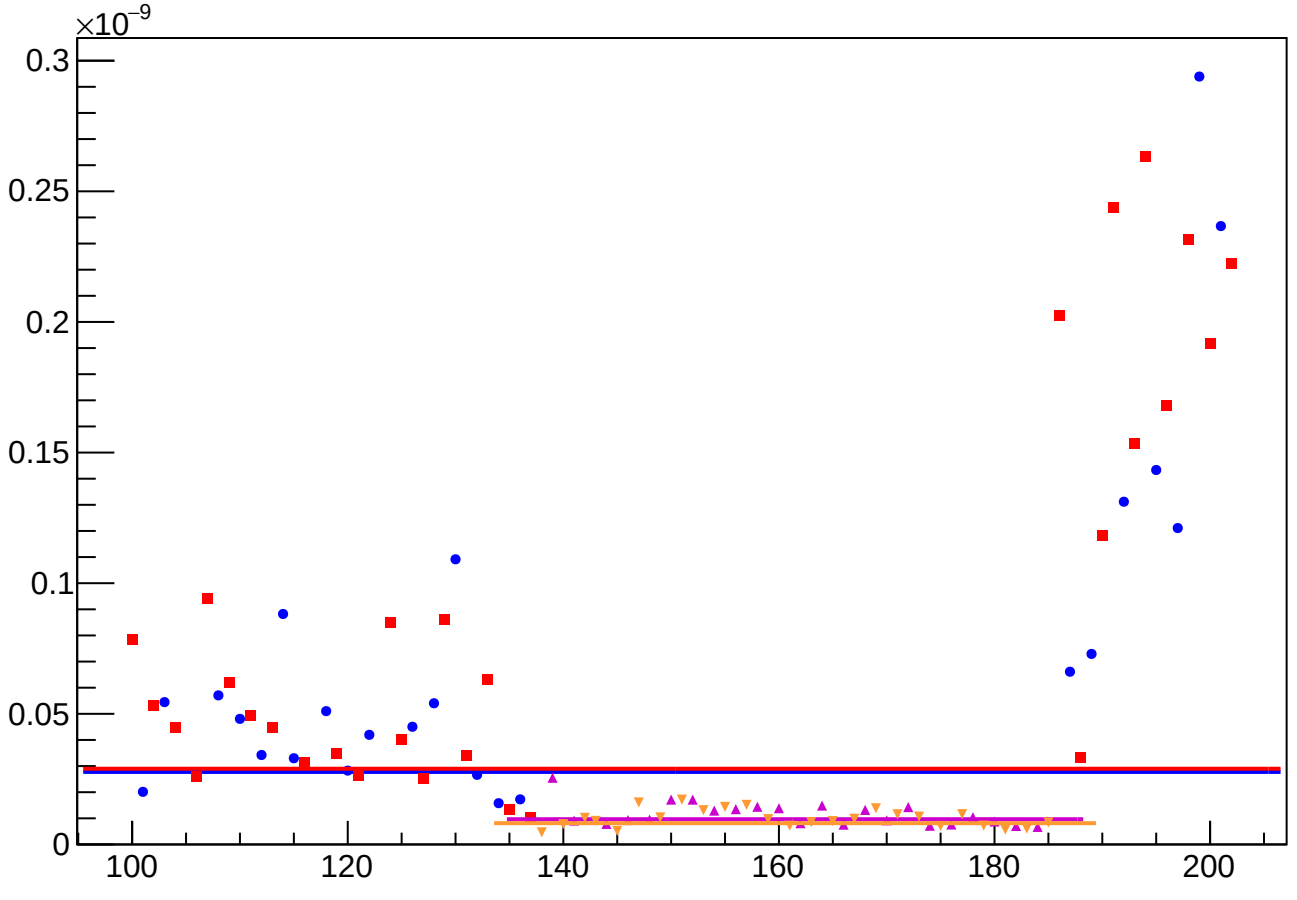
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.6/51

In: -0.000+/-0.000 χ^2/NDF:64.1/45

Out: 0.000+/-0.000 χ^2/NDF:56.9/53

All: -0.000+/-0.000 χ^2/NDF: 121.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 5669067.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7836080.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

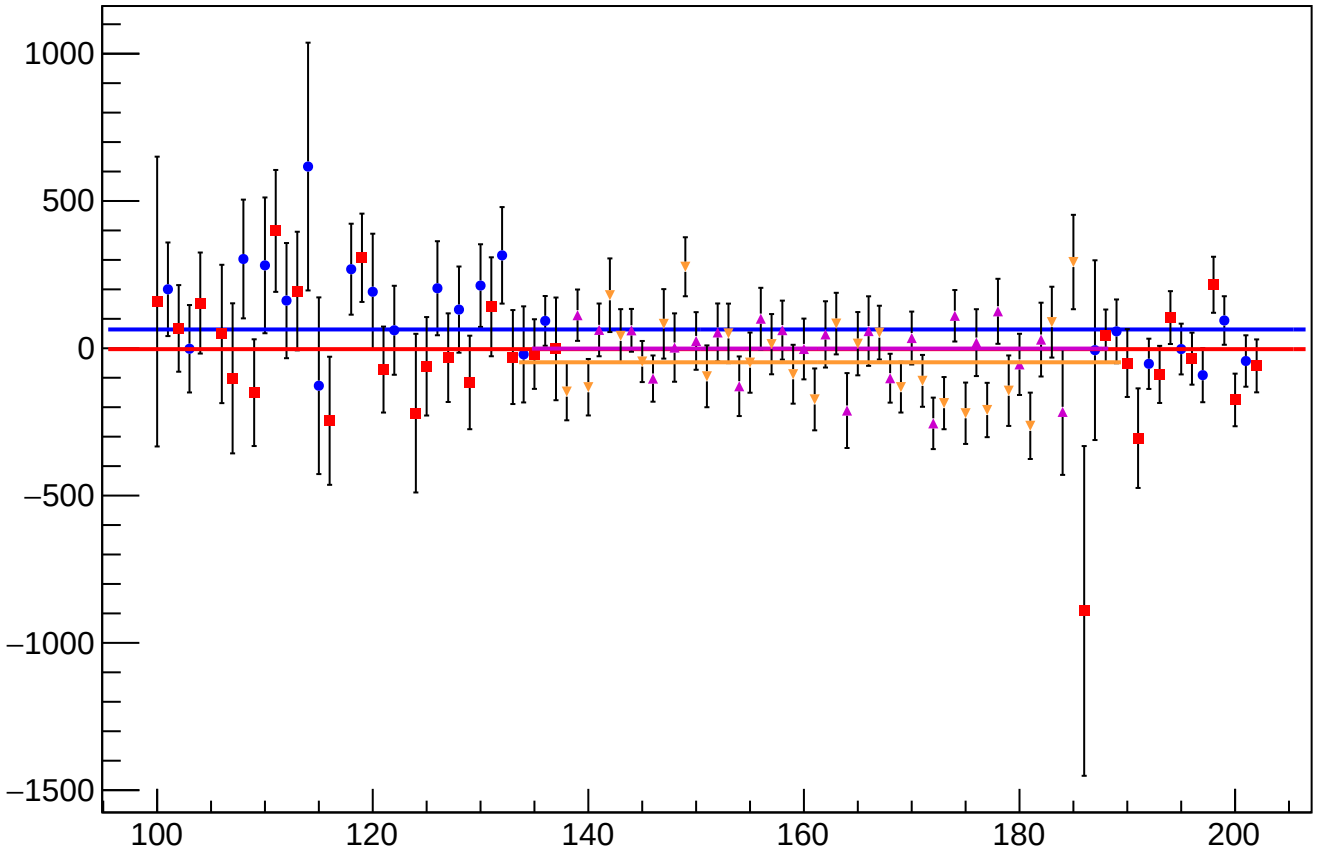
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13513168.7/51

In: 0.000+/-0.000 χ^2/NDF:11282347.4/45

Out: 0.000+/-0.000 χ^2/NDF:14604375.0/53

All: 0.000+/-0.000 χ^2/NDF: 26270953.9/99



Right In: 63.907+/-26.724 χ^2/NDF: 19.7/22

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -2.906+/-25.164 χ^2/NDF: 32.5/28

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

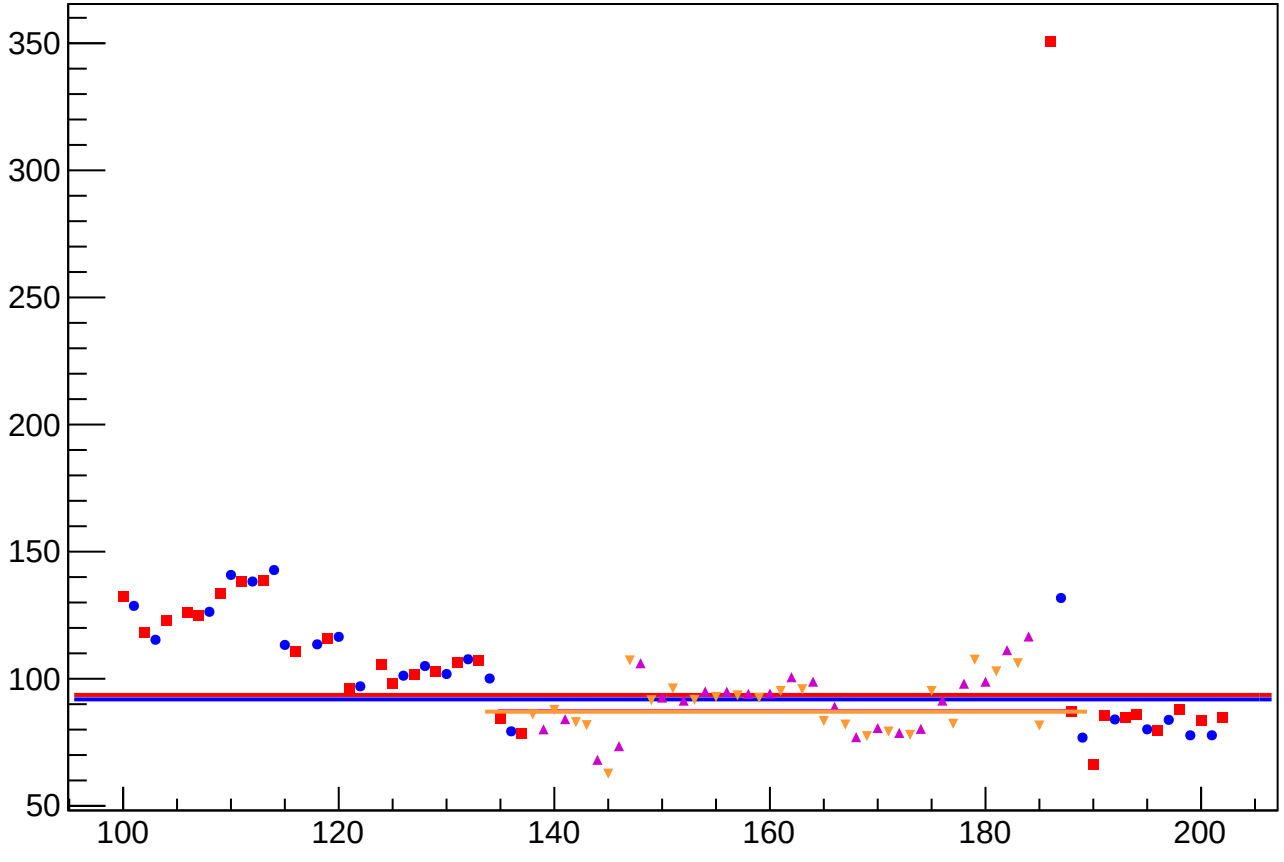
Right: 28.493+/-18.320 χ^2/NDF: 55.5/51

In: 23.206+/-16.317 χ^2/NDF:48.8/45

Out: -30.268+/-15.649 χ^2/NDF:78.4/53

All: -4.649+/-11.294 χ^2/NDF: 132.8/99

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 91.889+/-0.019 χ^2/NDF: 885449.8/22

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 93.640+/-0.018 χ^2/NDF: 1301224.0/28

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

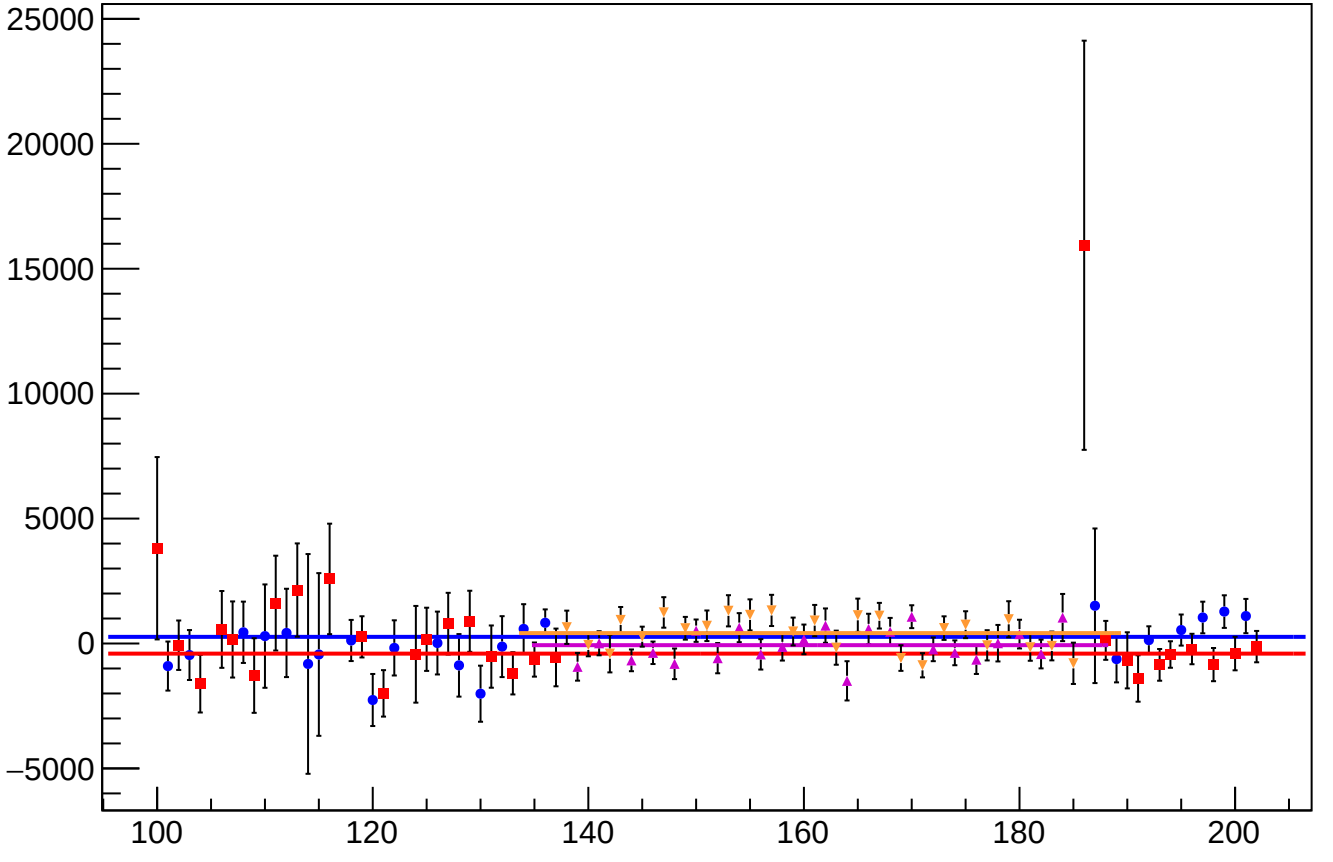
Right: 92.817+/-0.013 χ^2/NDF: 2191222.1/51

In: 88.984+/-0.012 χ^2/NDF:1518936.4/45

Out: 89.612+/-0.011 χ^2/NDF:2005407.8/53

All: 89.311+/-0.008 χ^2/NDF: 3525888.3/99

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 265.803+/-189.198 χ^2/NDF: 21.2/22

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -405.493+/-173.872 χ^2/NDF: 22.0/28

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

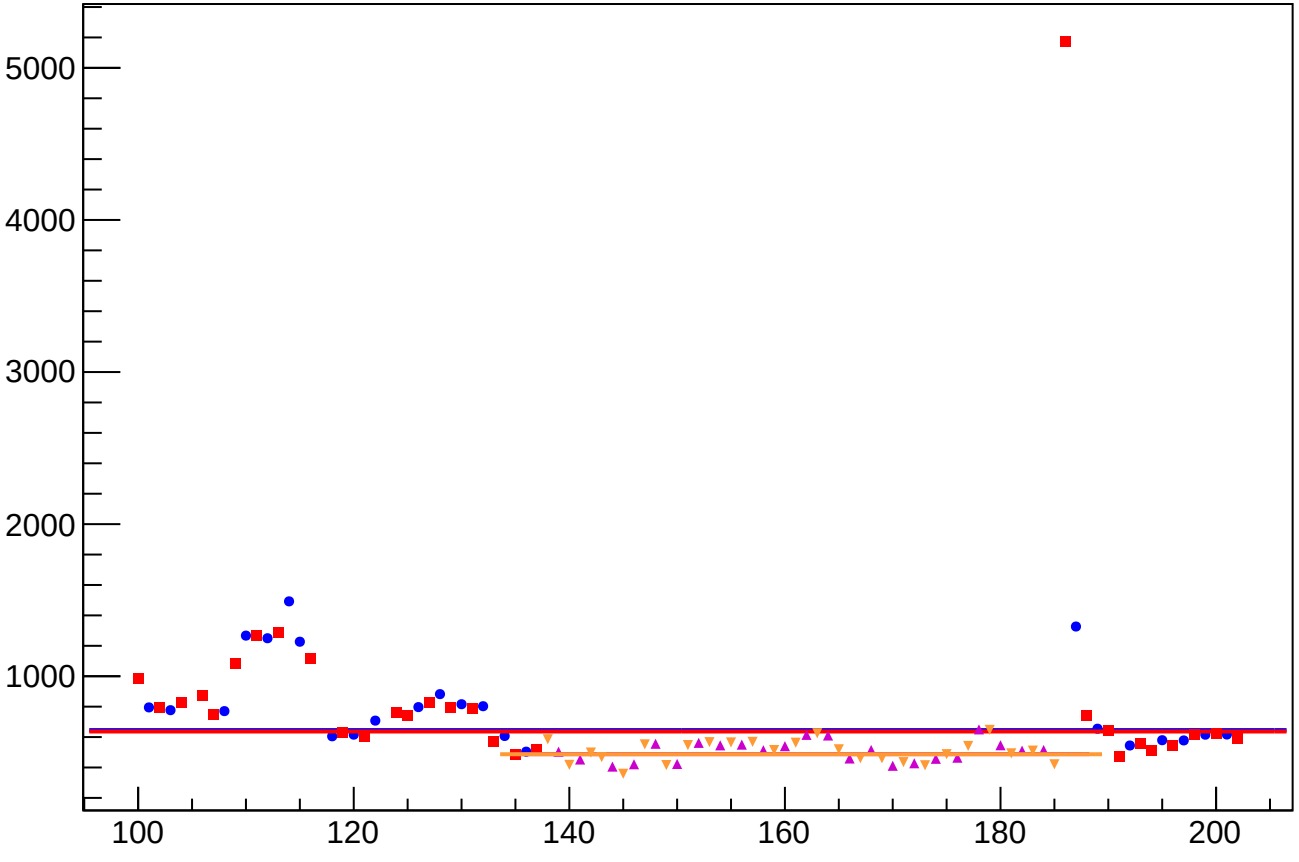
Right: -98.131+/-128.022 χ^2/NDF: 50.0/51

In: 23.499+/-98.532 χ^2/NDF:50.9/45

Out: 174.373+/-94.356 χ^2/NDF:70.2/53

All: 102.201+/-68.148 χ^2/NDF: 122.3/99

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 645.877+/-0.134 χ^2/NDF: 1206131.9/22

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 636.700+/-0.123 χ^2/NDF: 2106000.3/28

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

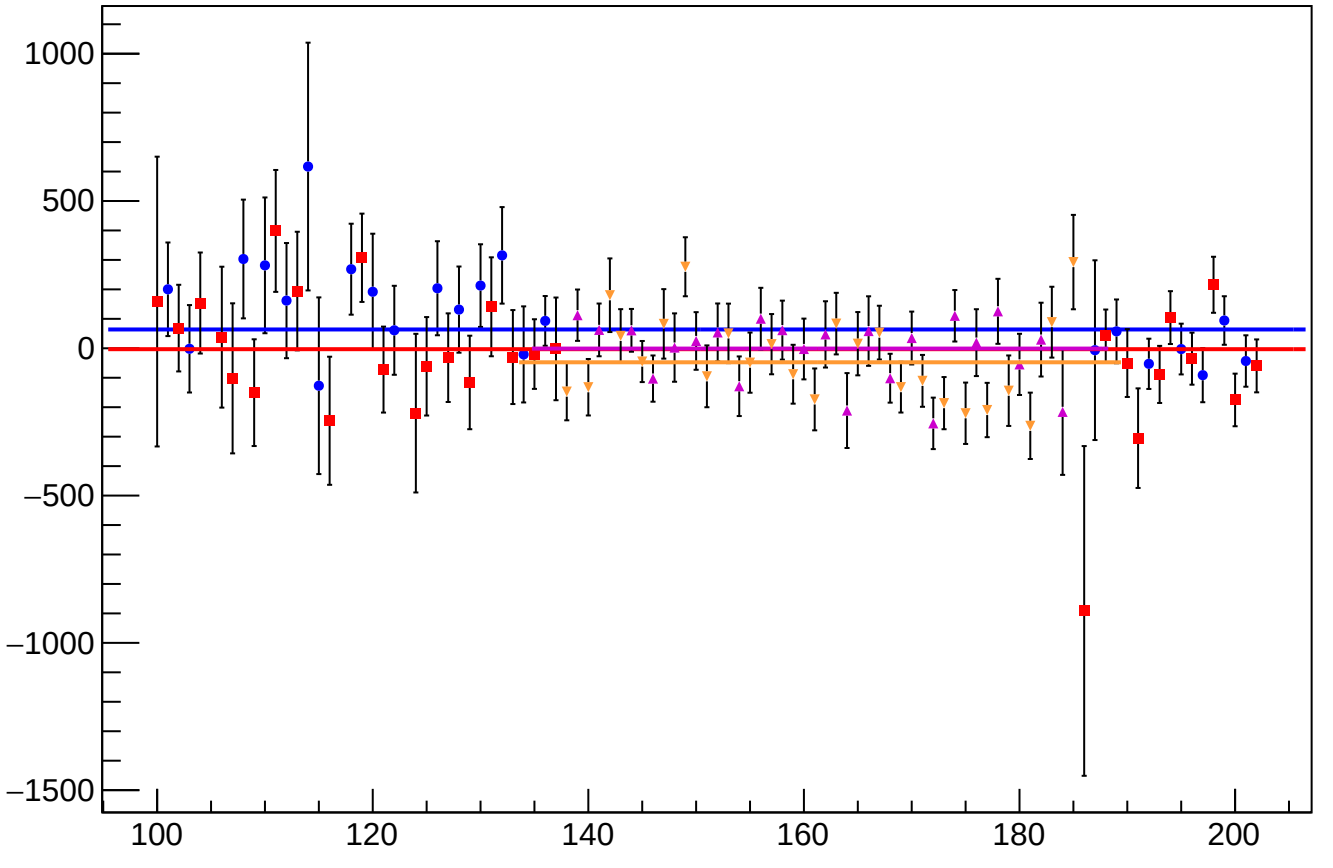
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 640.902+/-0.091 χ^2/NDF: 3314683.4/51

In: 530.768+/-0.070 χ^2/NDF:2856224.6/45

Out: 531.143+/-0.067 χ^2/NDF:3972092.5/53

All: 530.964+/-0.048 χ^2/NDF: 6828332.2/99



Right In: 63.899+/-26.724 χ^2/NDF: 19.7/22

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -3.020+/-25.169 χ^2/NDF: 32.5/28

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

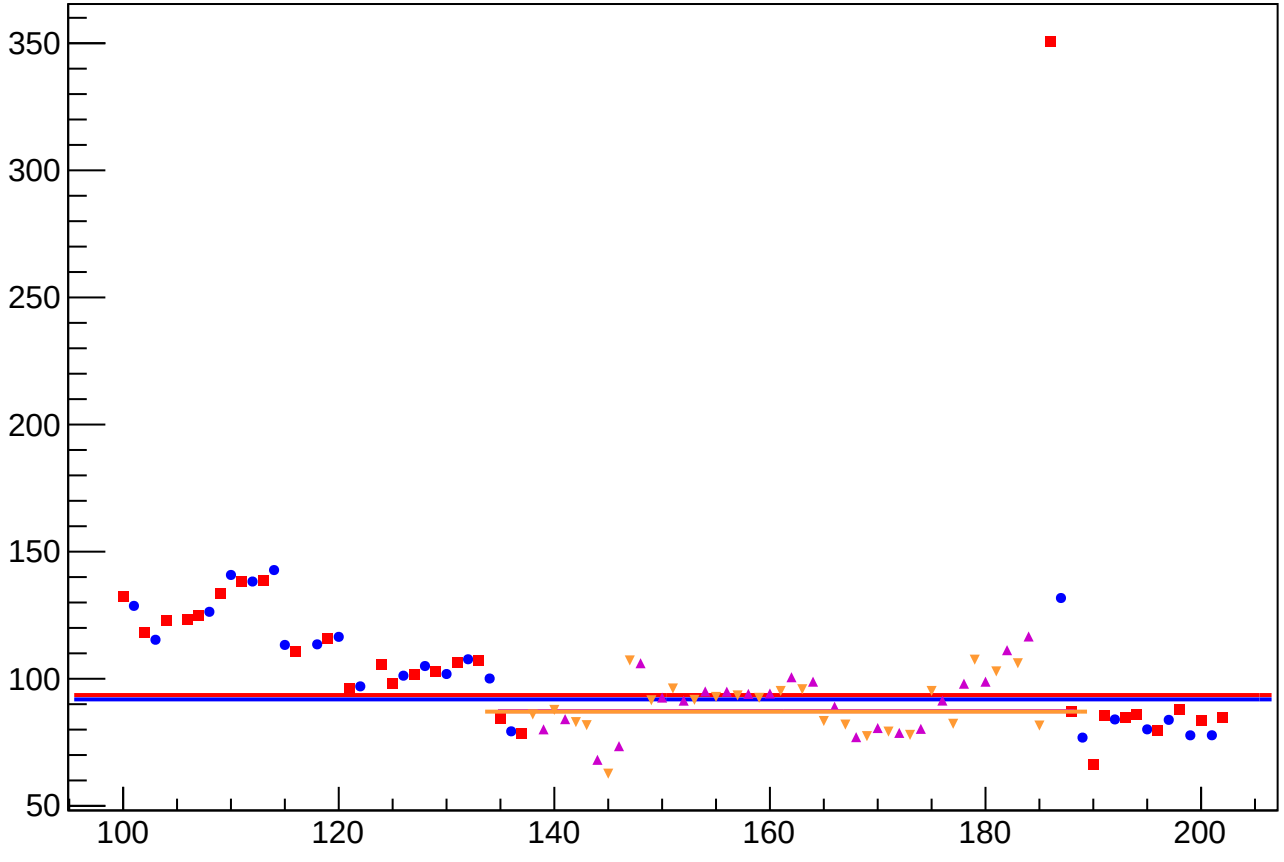
Right: 28.436+/-18.322 χ^2/NDF: 55.5/51

In: 23.202+/-16.317 χ^2/NDF:48.8/45

Out: -30.322+/-15.650 χ^2/NDF:78.4/53

All: -4.676+/-11.295 χ^2/NDF: 132.8/99

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 91.889+/-0.019 χ^2/NDF: 885450.1/22

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 93.595+/-0.018 χ^2/NDF: 1293828.5/28

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

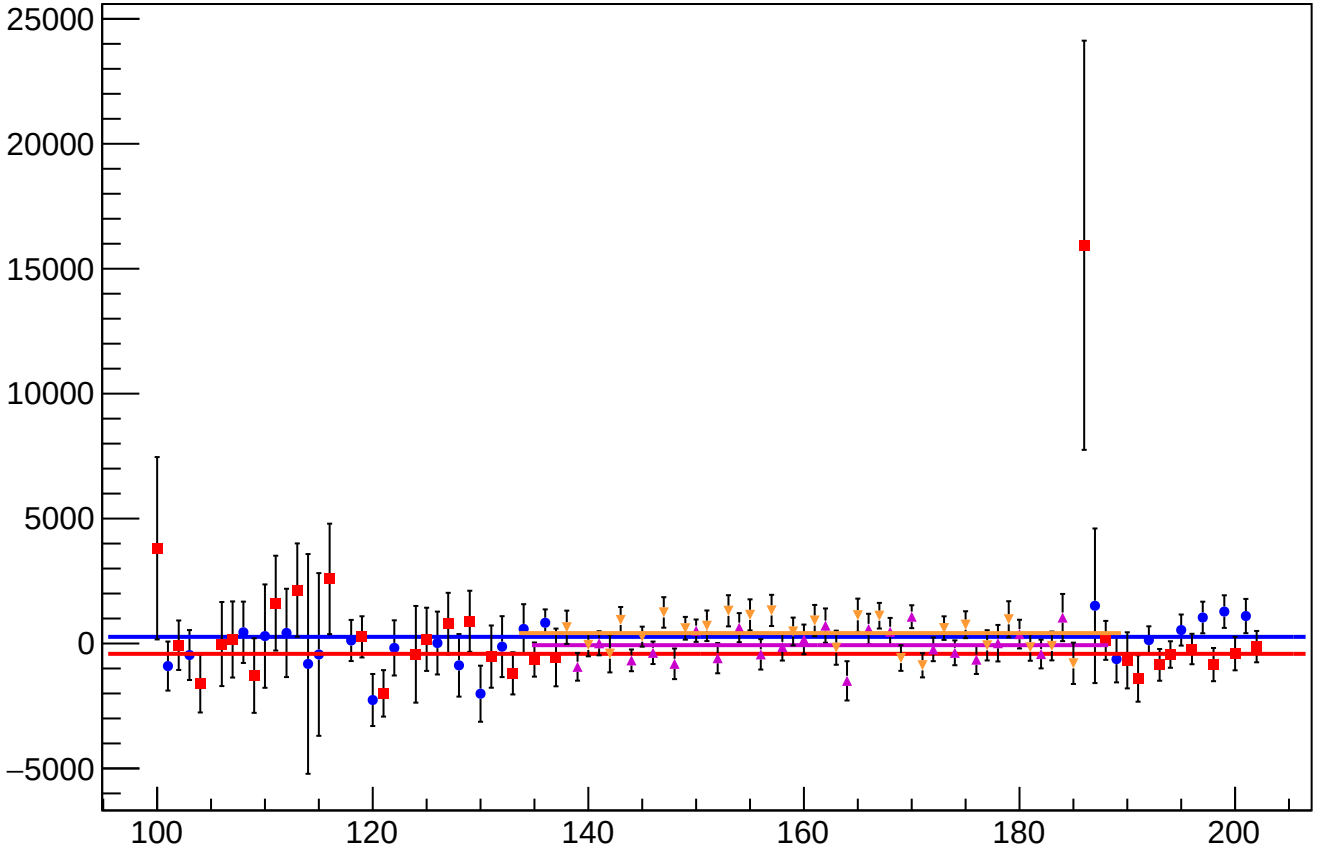
Right: 92.793+/-0.013 χ^2/NDF: 2183599.0/51

In: 88.984+/-0.012 χ^2/NDF:1518936.8/45

Out: 89.594+/-0.011 χ^2/NDF:1996868.2/53

All: 89.302+/-0.008 χ^2/NDF: 3517262.8/99

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 265.805+/-189.198 χ^2/NDF: 21.2/22

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -413.799+/-174.059 χ^2/NDF: 21.7/28

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

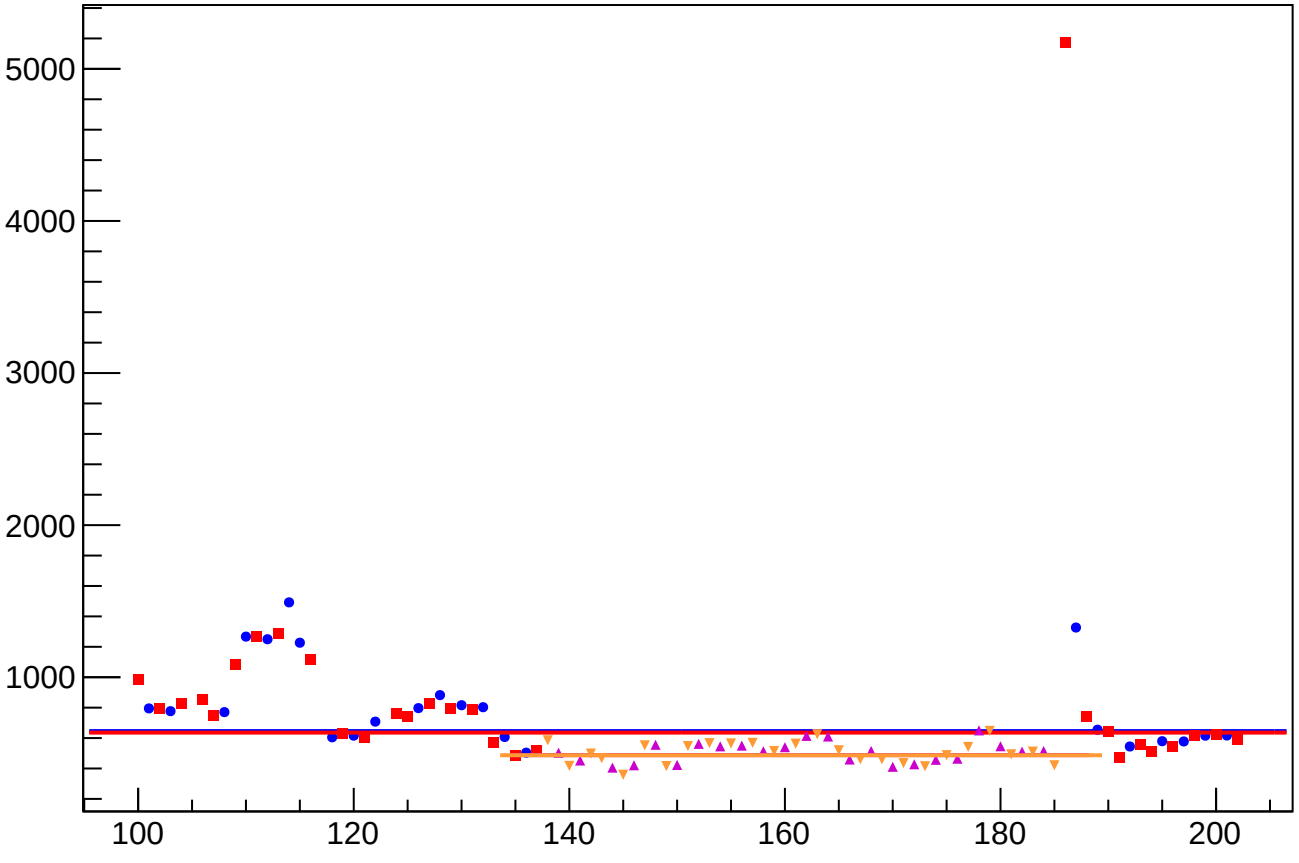
Right: -102.270+/-128.096 χ^2/NDF: 49.8/51

In: 23.500+/-98.532 χ^2/NDF:50.9/45

Out: 172.293+/-94.386 χ^2/NDF:70.1/53

All: 101.093+/-68.159 χ^2/NDF: 122.3/99

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.877+/-0.134 χ^2/NDF: 1206144.0/22

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 635.986+/-0.123 χ^2/NDF: 2091784.7/28

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

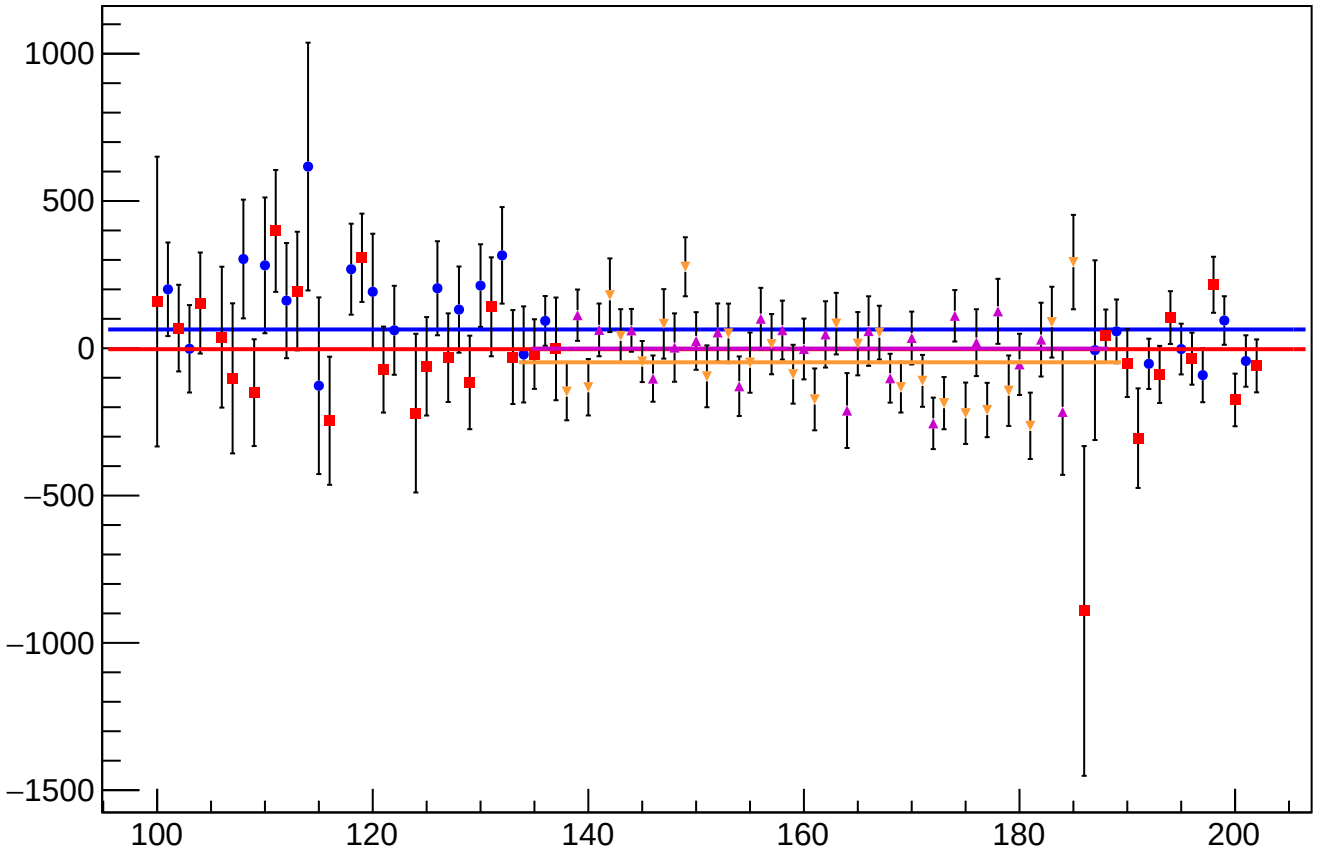
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 640.520+/-0.091 χ^2/NDF: 3300889.1/51

In: 530.768+/-0.070 χ^2/NDF:2856240.5/45

Out: 530.866+/-0.067 χ^2/NDF:3946357.9/53

All: 530.819+/-0.048 χ^2/NDF: 6802599.4/99



Right In: 63.899+/-26.724 χ^2/NDF: 19.7/22

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -3.020+/-25.169 χ^2/NDF: 32.5/28

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

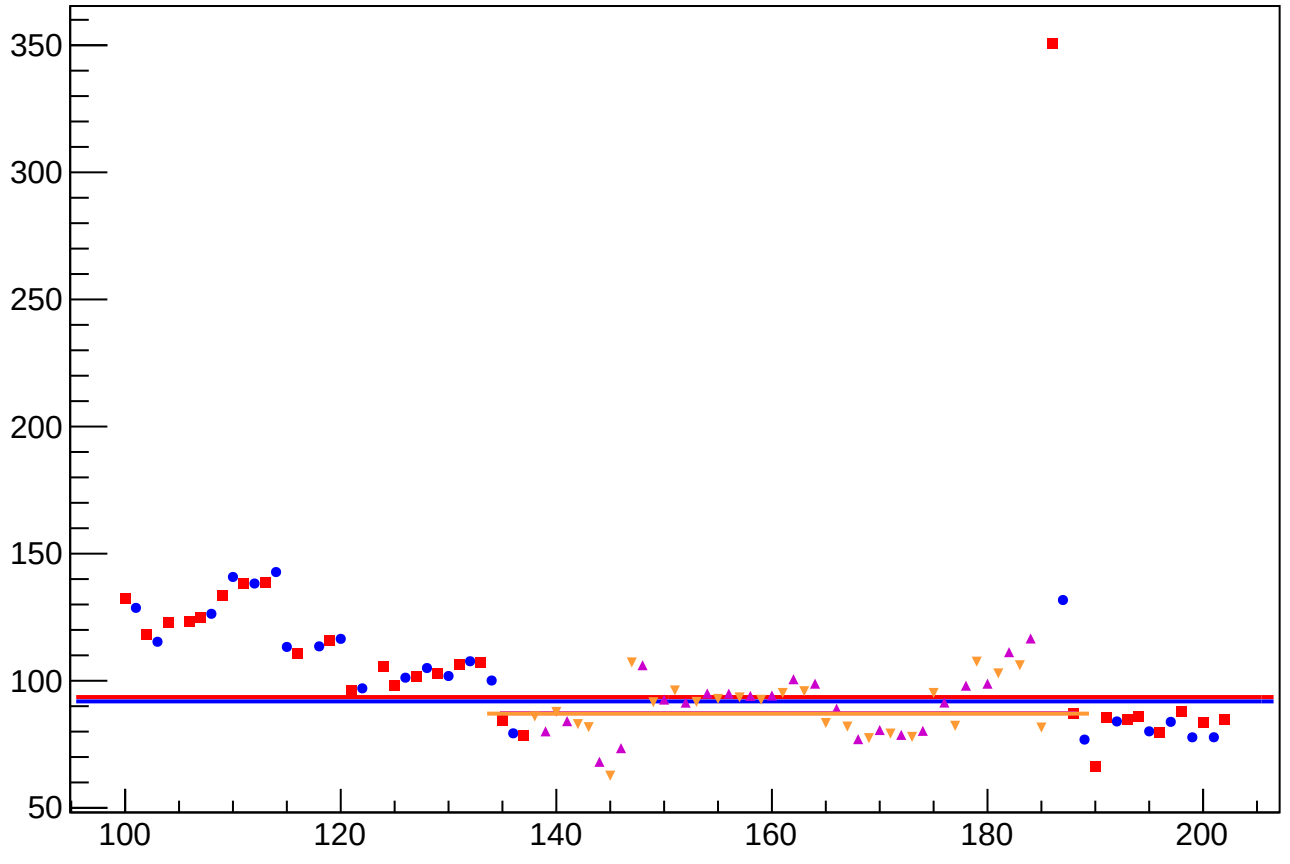
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 28.436+/-18.322 χ^2/NDF: 55.5/51

In: 23.202+/-16.317 χ^2/NDF:48.8/45

Out: -30.322+/-15.650 χ^2/NDF:78.4/53

All: -4.676+/-11.295 χ^2/NDF: 132.8/99



Right In: 91.889+/-0.019 χ^2/NDF: 885450.1/22

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 93.595+/-0.018 χ^2/NDF: 1293828.5/28

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

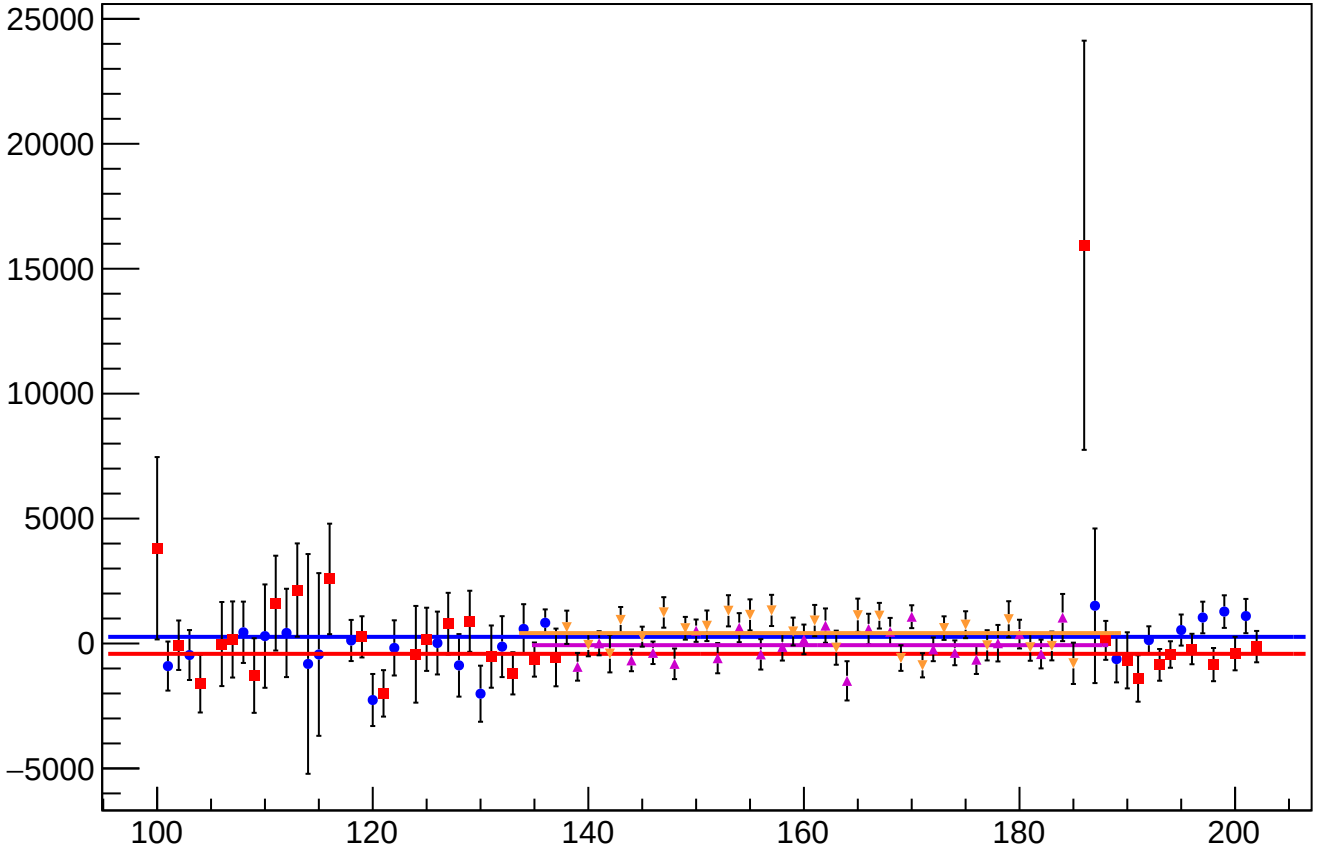
Right: 92.793+/-0.013 χ^2/NDF: 2183599.0/51

In: 88.984+/-0.012 χ^2/NDF:1518936.8/45

Out: 89.594+/-0.011 χ^2/NDF:1996868.2/53

All: 89.302+/-0.008 χ^2/NDF: 3517262.8/99

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 265.805+/-189.198 χ^2/NDF: 21.2/22

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -413.799+/-174.059 χ^2/NDF: 21.7/28

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

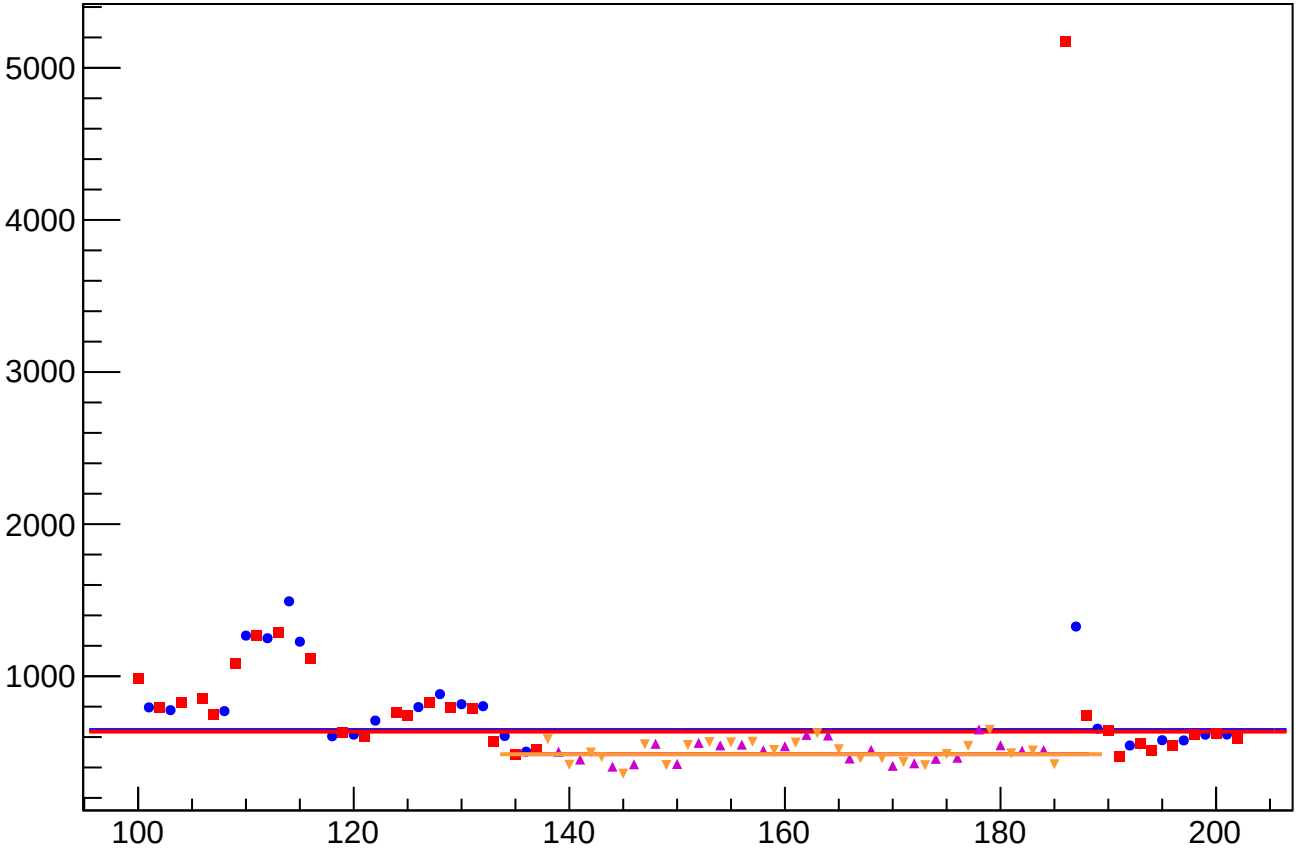
Right: -102.270+/-128.096 χ^2/NDF: 49.8/51

In: 23.500+/-98.532 χ^2/NDF:50.9/45

Out: 172.293+/-94.386 χ^2/NDF:70.1/53

All: 101.093+/-68.159 χ^2/NDF: 122.3/99

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.877+/-0.134 χ^2/NDF: 1206144.0/22

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 635.986+/-0.123 χ^2/NDF: 2091784.7/28

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

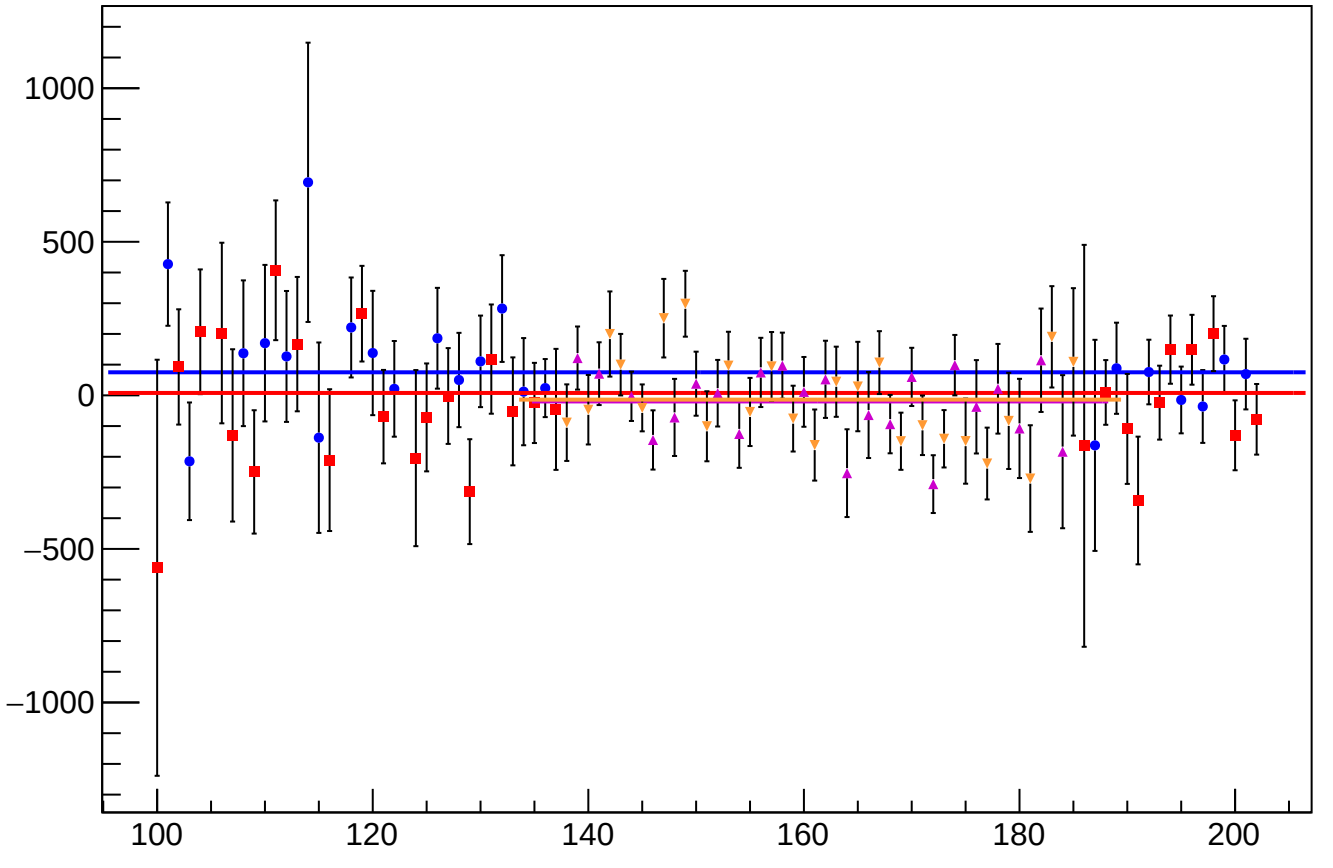
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 640.520+/-0.091 χ^2/NDF: 3300889.1/51

In: 530.768+/-0.070 χ^2/NDF:2856240.5/45

Out: 530.866+/-0.067 χ^2/NDF:3946357.9/53

All: 530.819+/-0.048 χ^2/NDF: 6802599.4/99



Right In: 75.071+/-31.824 χ^2/NDF: 13.6/22

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 7.827+/-30.016 χ^2/NDF: 27.7/28

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

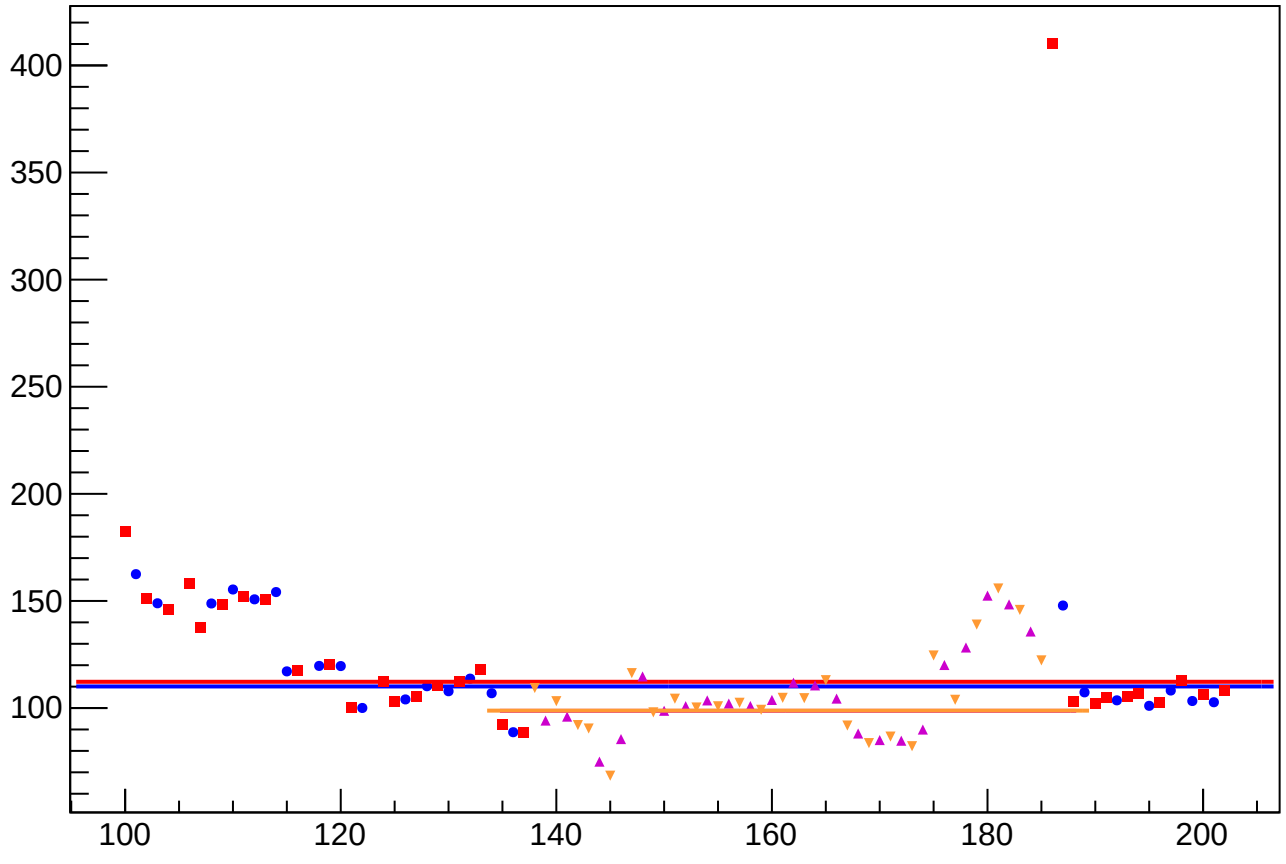
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 39.485+/-21.836 χ^2/NDF: 43.6/51

In: 13.806+/-18.941 χ^2/NDF:42.6/45

Out: -5.902+/-18.215 χ^2/NDF:64.4/53

All: 3.567+/-13.129 χ^2/NDF: 107.6/99



Right In: 110.083+/-0.023 χ^2/NDF: 616759.4/22

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 112.263+/-0.021 χ^2/NDF: 994154.0/28

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

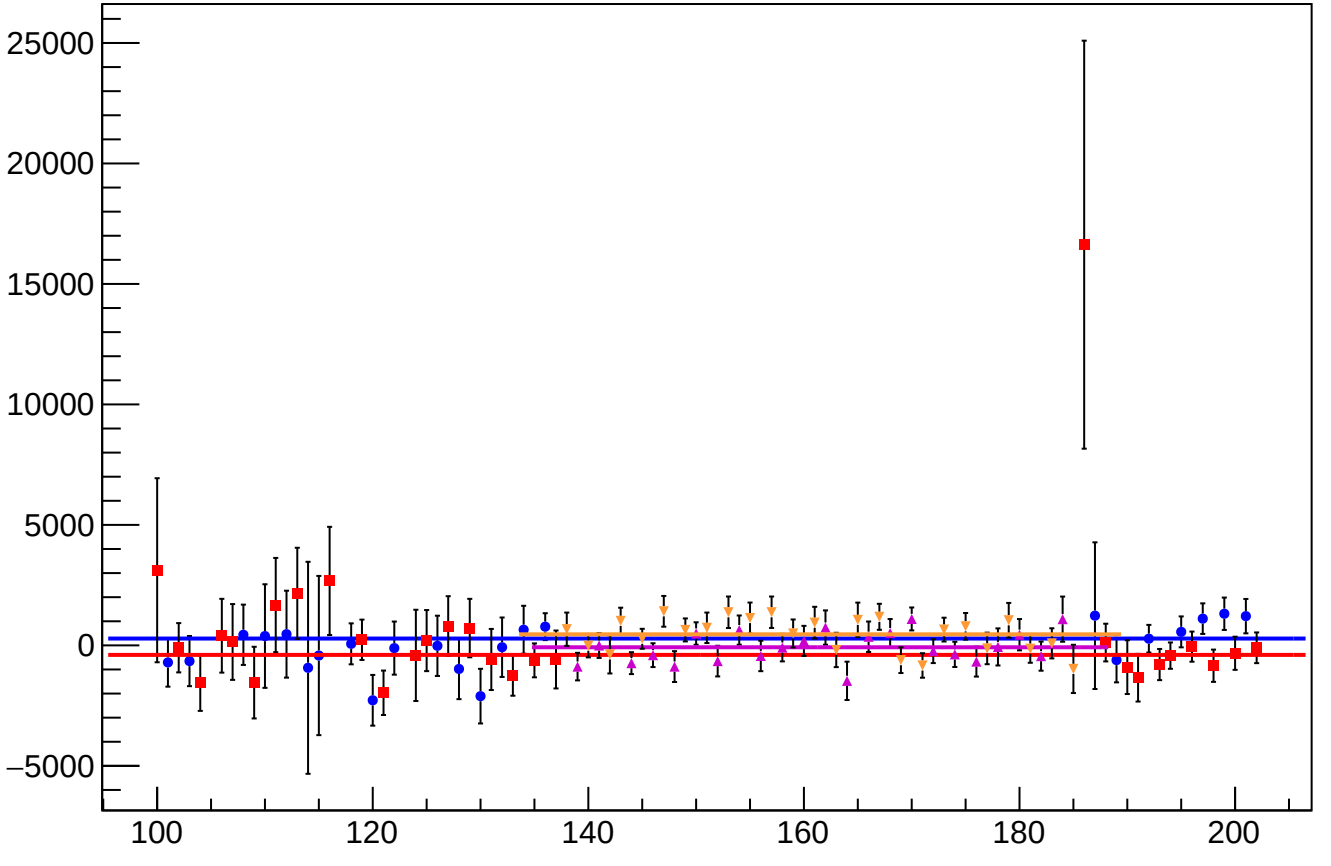
Right: 111.237+/-0.015 χ^2/NDF: 1615882.3/51

In: 102.715+/-0.013 χ^2/NDF:1770600.6/45

Out: 103.757+/-0.013 χ^2/NDF:2434219.7/53

All: 103.256+/-0.009 χ^2/NDF: 4207965.2/99

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 283.432+/-193.589 χ^2/NDF: 21.5/22

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -394.989+/-176.949 χ^2/NDF: 21.3/28

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

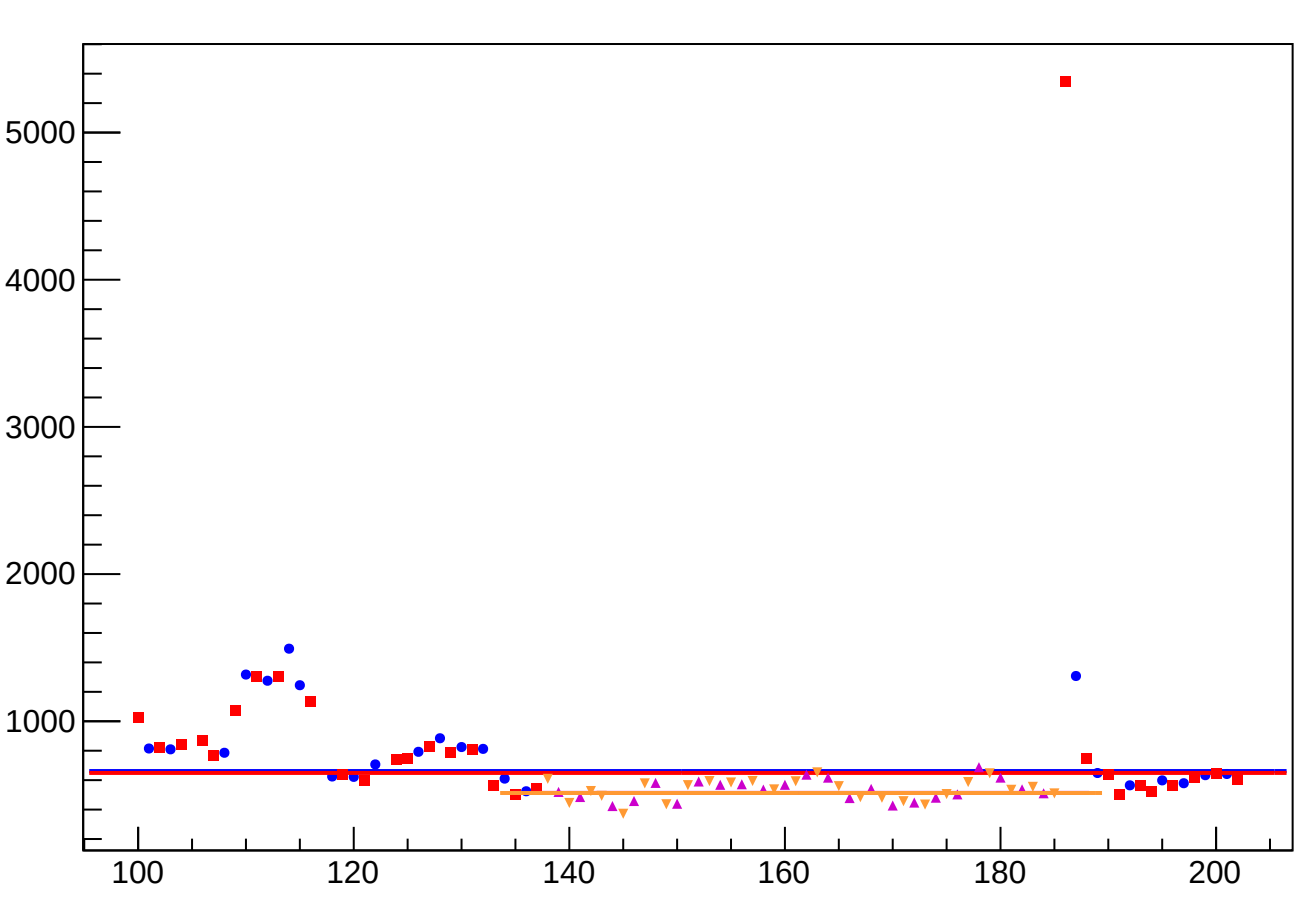
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -86.184+/-130.609 χ^2/NDF: 49.5/51

In: 23.493+/-102.872 χ^2/NDF:50.3/45

Out: 195.851+/-98.237 χ^2/NDF:68.2/53

All: 113.642+/-71.046 χ^2/NDF: 119.9/99



Right In: 661.784+/-0.137 χ^2/NDF: 1156578.3/22

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 649.072+/-0.125 χ^2/NDF: 2039122.0/28

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

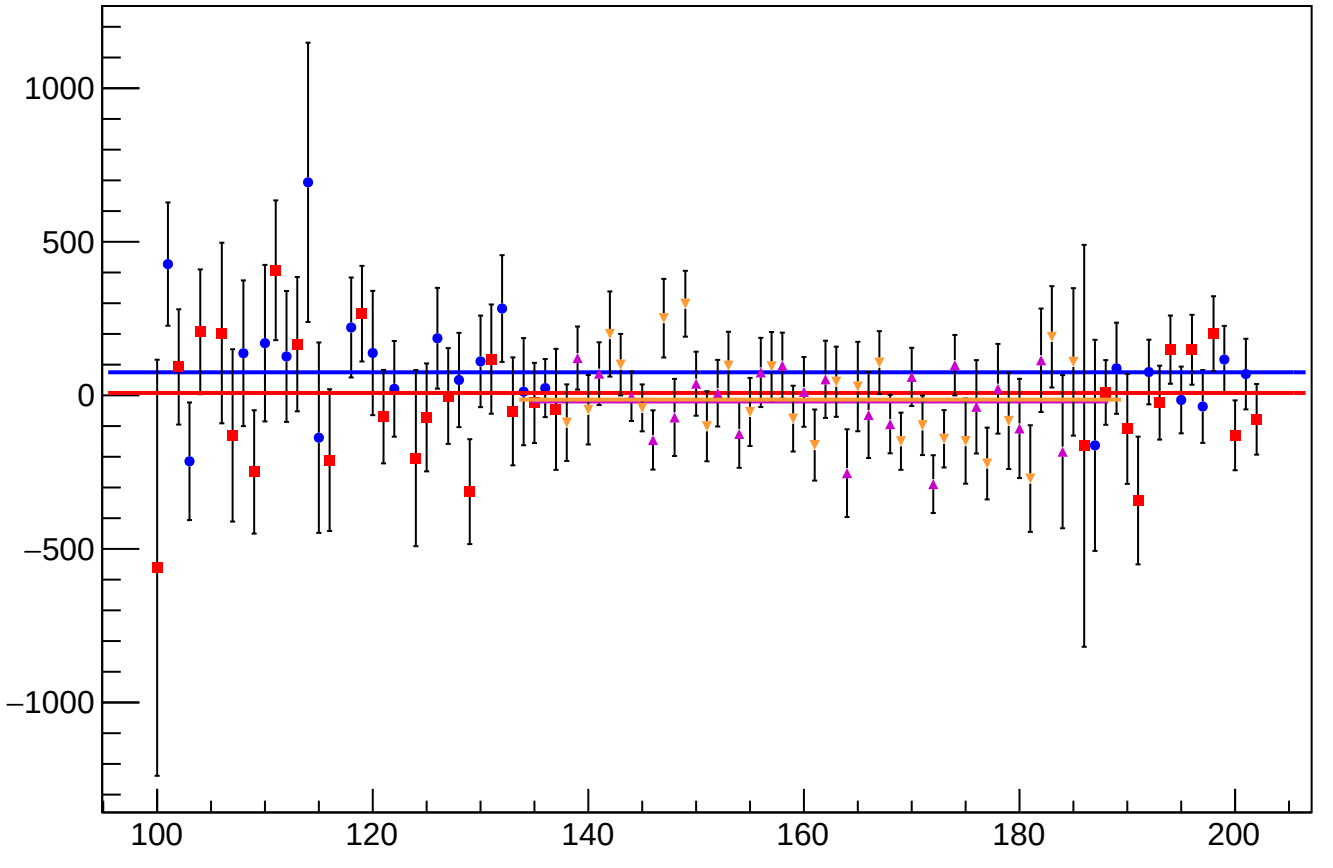
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 654.858+/-0.092 χ^2/NDF: 3200398.5/51

In: 555.282+/-0.073 χ^2/NDF:2634075.8/45

Out: 554.779+/-0.069 χ^2/NDF:3659311.6/53

All: 555.019+/-0.050 χ^2/NDF: 6293412.4/99



Right In: 75.070+/-31.824 χ^2/NDF: 13.6/22

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 7.828+/-30.016 χ^2/NDF: 27.7/28

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

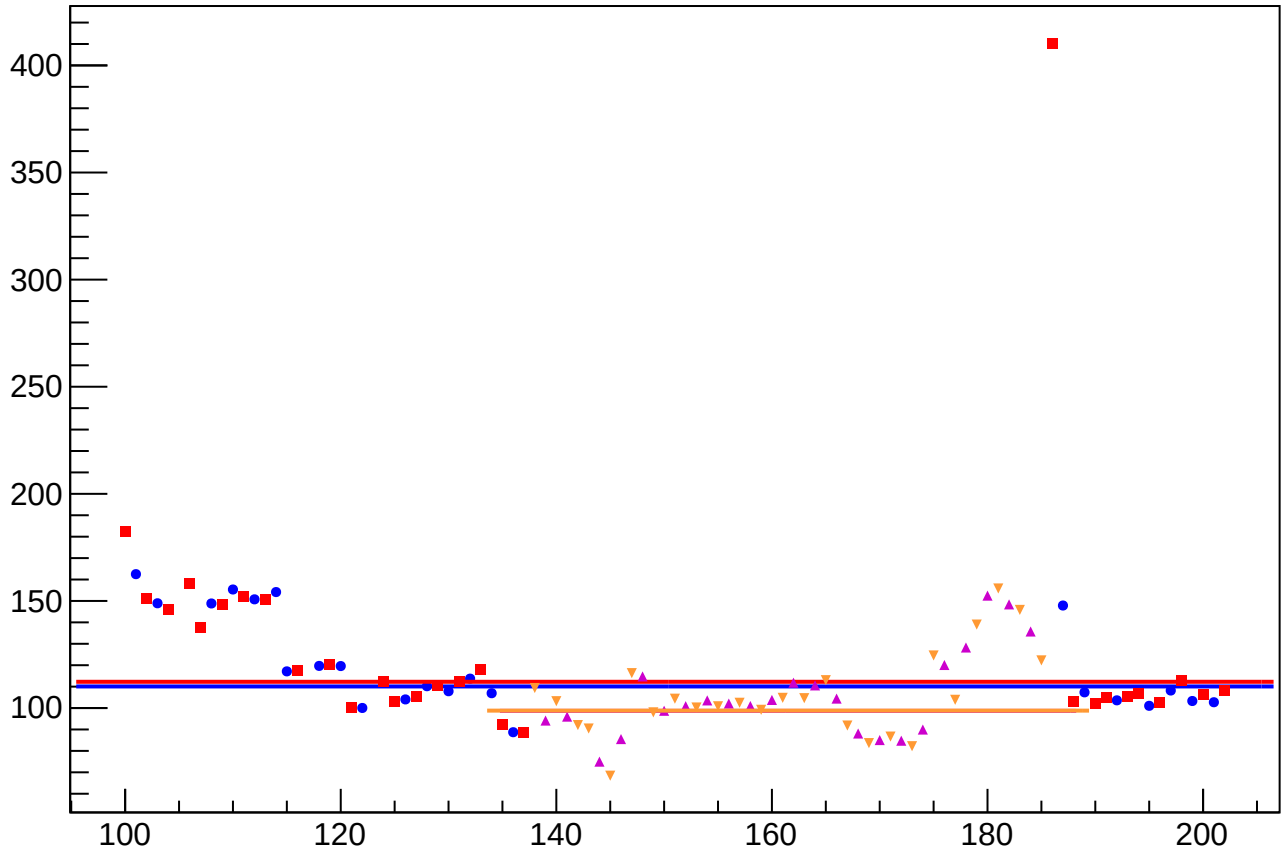
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 39.485+/-21.836 χ^2/NDF: 43.6/51

In: 13.805+/-18.941 χ^2/NDF:42.6/45

Out: -5.903+/-18.215 χ^2/NDF:64.4/53

All: 3.566+/-13.129 χ^2/NDF: 107.6/99



Right In: 110.083+/-0.023 χ^2/NDF: 616745.5/22

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 112.264+/-0.021 χ^2/NDF: 994139.7/28

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

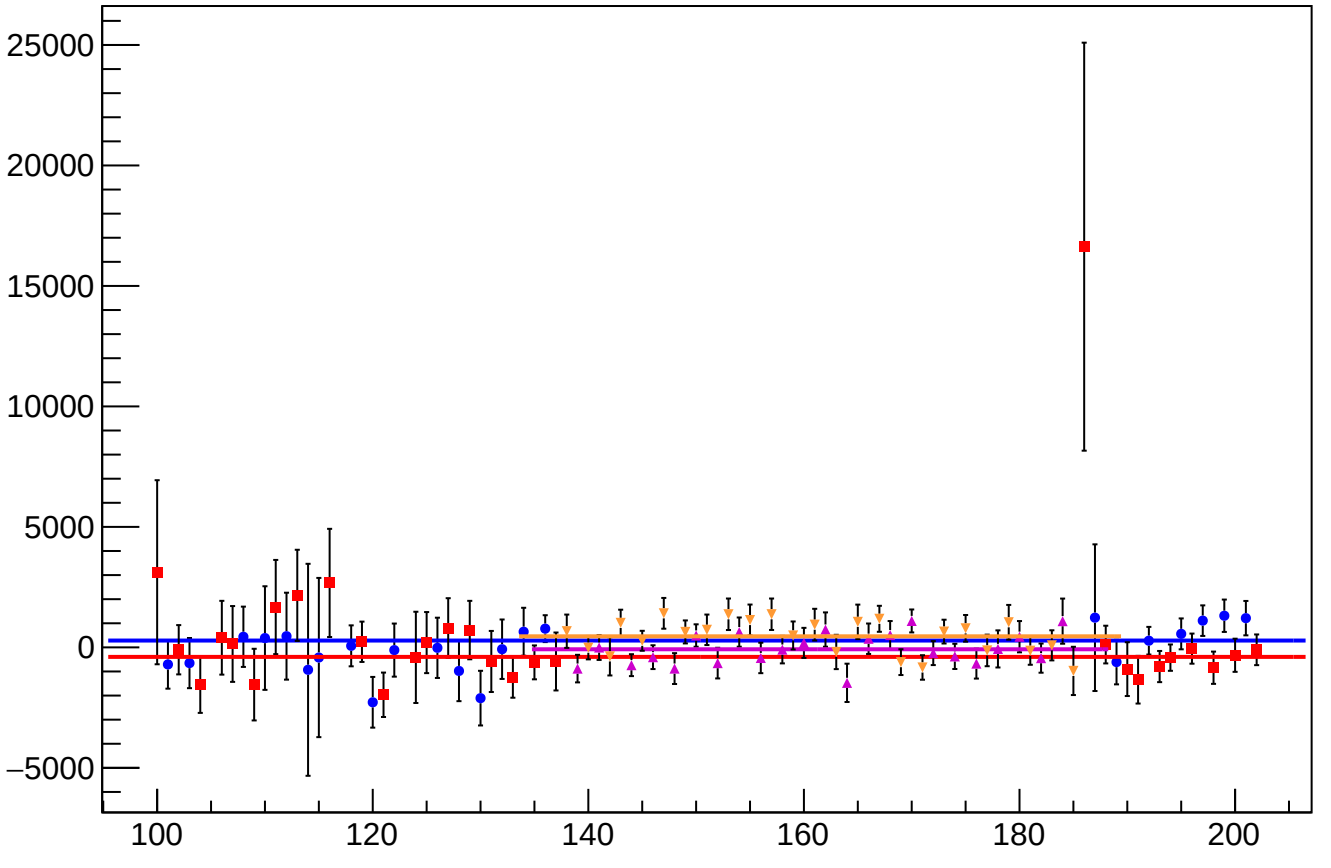
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 111.237+/-0.015 χ^2/NDF: 1615853.7/51

In: 102.715+/-0.013 χ^2/NDF:1770582.8/45

Out: 103.757+/-0.013 χ^2/NDF:2434214.6/53

All: 103.256+/-0.009 χ^2/NDF: 4207942.1/99



Right In: 283.431+/-193.589 χ^2/NDF: 21.5/22

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -394.988+/-176.949 χ^2/NDF: 21.3/28

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

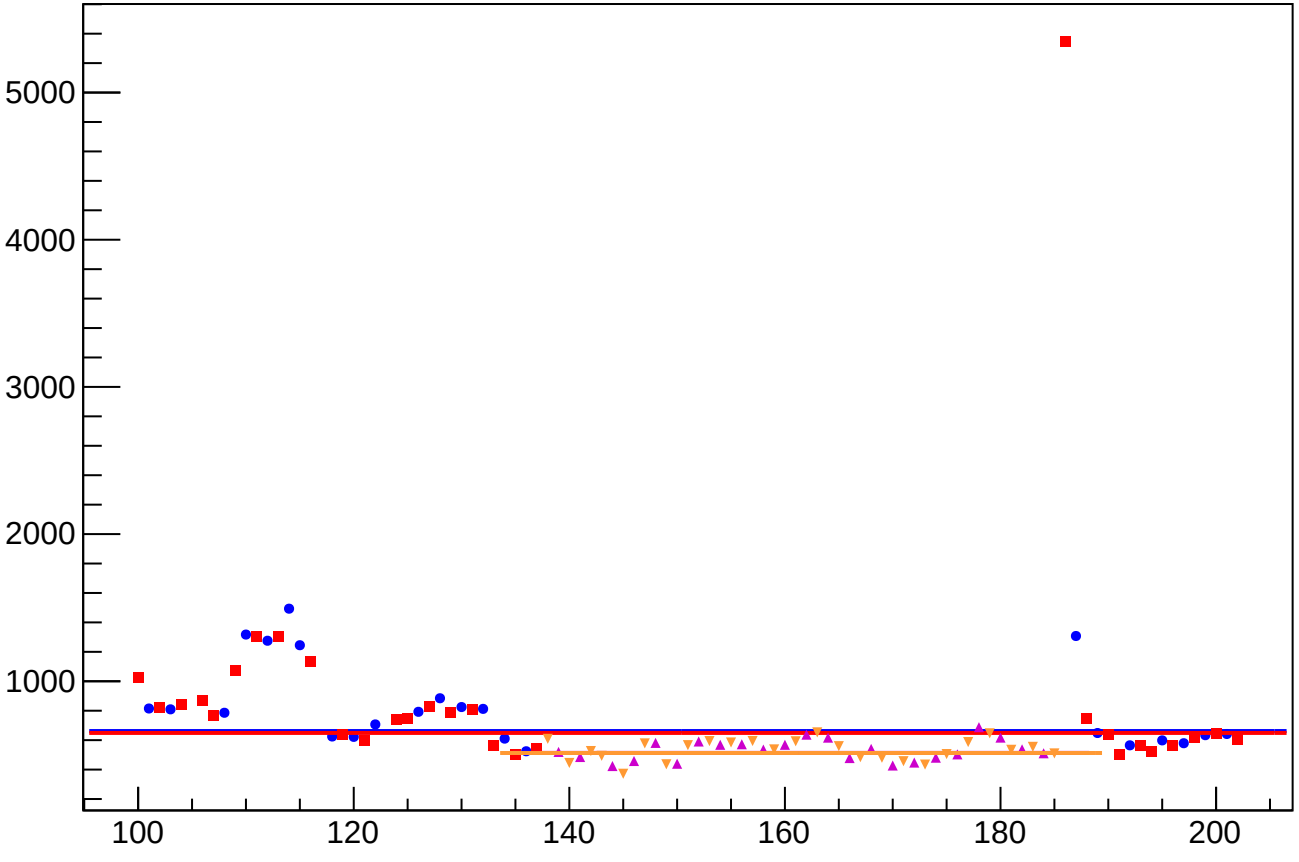
Right: -86.184+/-130.609 χ^2/NDF: 49.5/51

In: 23.493+/-102.872 χ^2/NDF:50.3/45

Out: 195.850+/-98.237 χ^2/NDF:68.2/53

All: 113.641+/-71.046 χ^2/NDF: 119.9/99

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 661.783+/-0.137 χ^2/NDF: 1156576.3/22

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 649.071+/-0.125 χ^2/NDF: 2039119.2/28

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

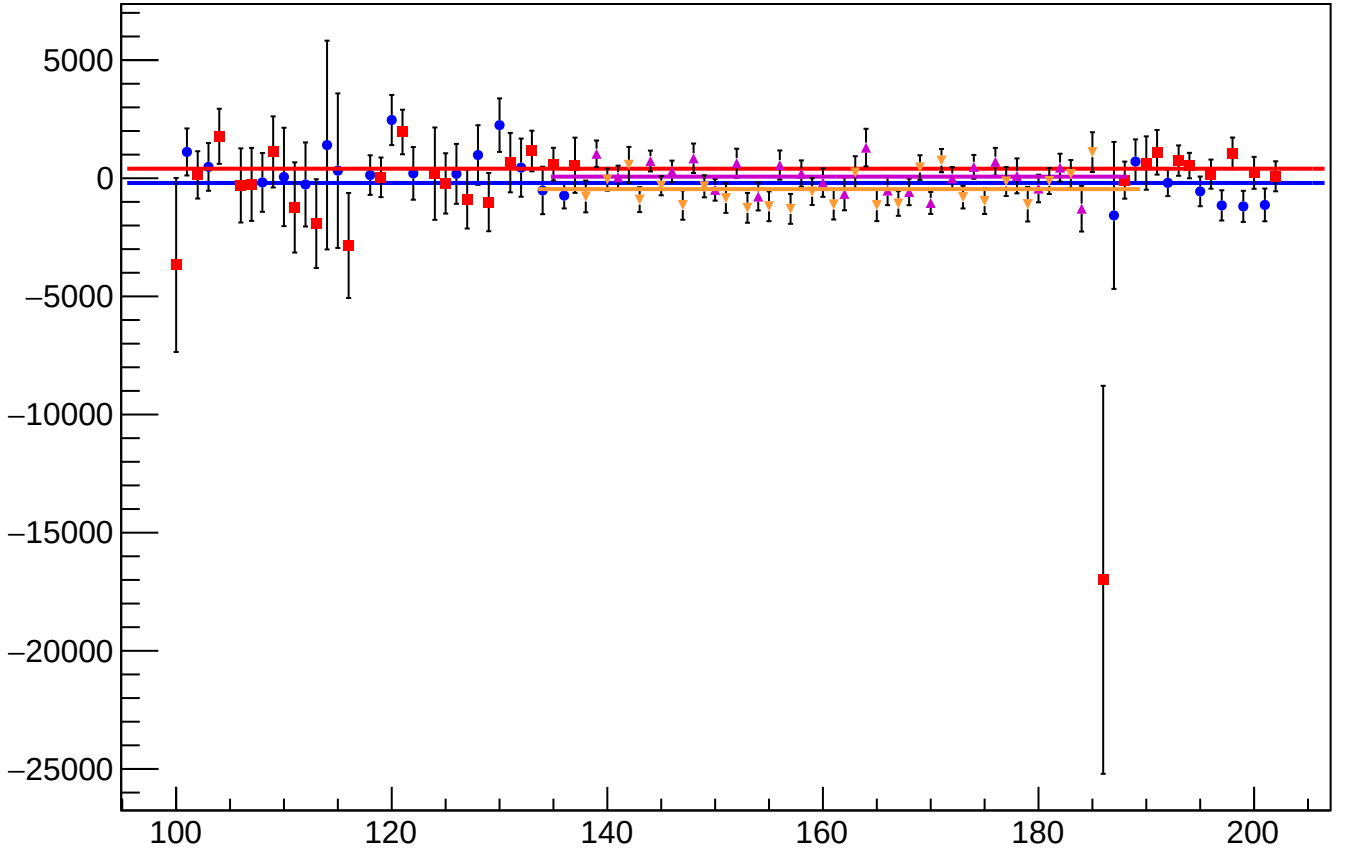
Right: 654.857+/-0.092 χ^2/NDF: 3200394.1/51

In: 555.282+/-0.073 χ^2/NDF:2634065.0/45

Out: 554.779+/-0.069 χ^2/NDF:3659298.3/53

All: 555.019+/-0.050 χ^2/NDF: 6293388.3/99

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -199.347+/-191.315 χ^2/NDF: 23.7/22

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 404.397+/-175.940 χ^2/NDF: 21.3/28

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

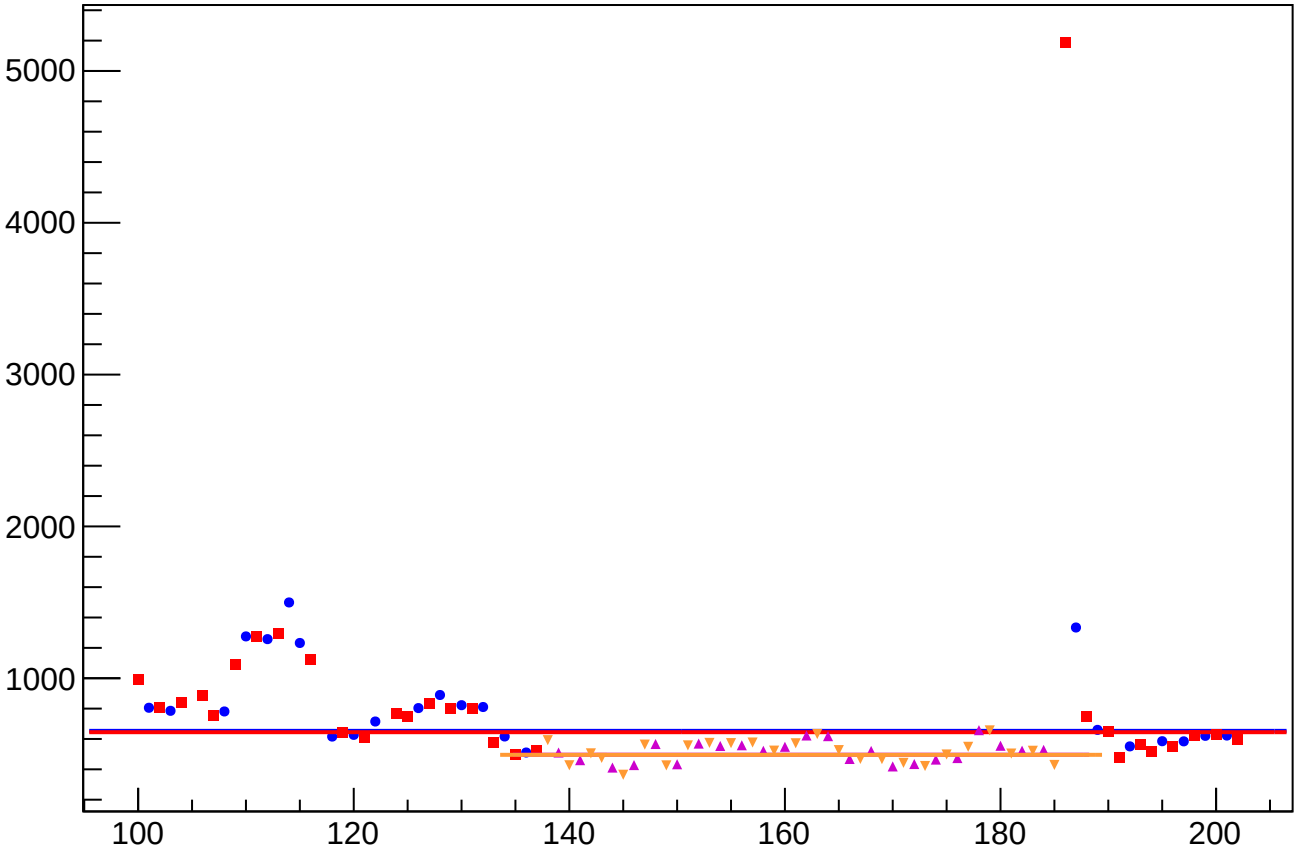
Right: 127.756+/-129.503 χ^2/NDF: 50.4/51

In: -5.072+/-100.041 χ^2/NDF:53.7/45

Out: -203.572+/-95.810 χ^2/NDF:69.1/53

All: -108.609+/-69.195 χ^2/NDF: 124.9/99

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 653.331+/-0.135 χ^2/NDF: 1193239.0/22

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 644.597+/-0.124 χ^2/NDF: 2083117.7/28

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

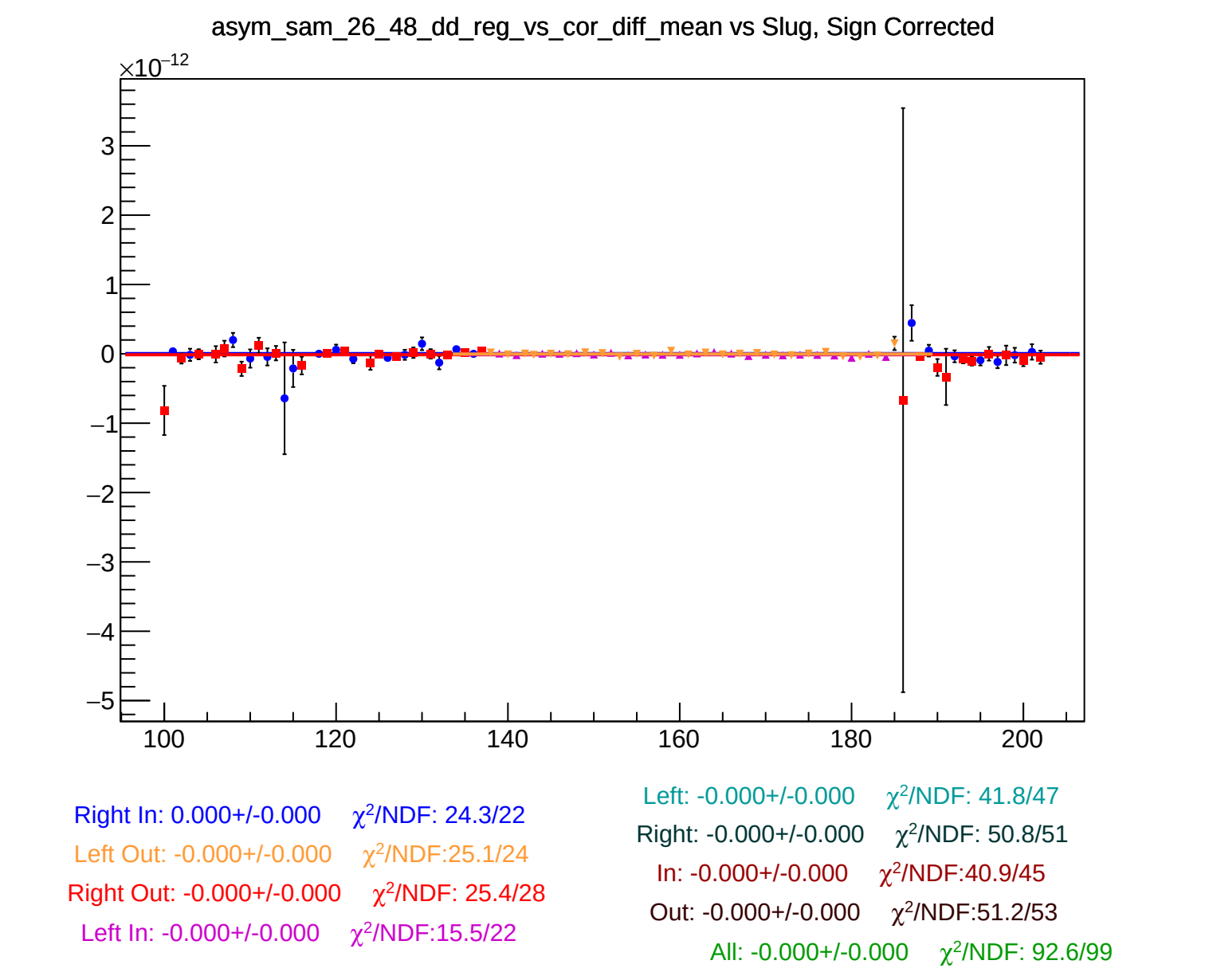
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

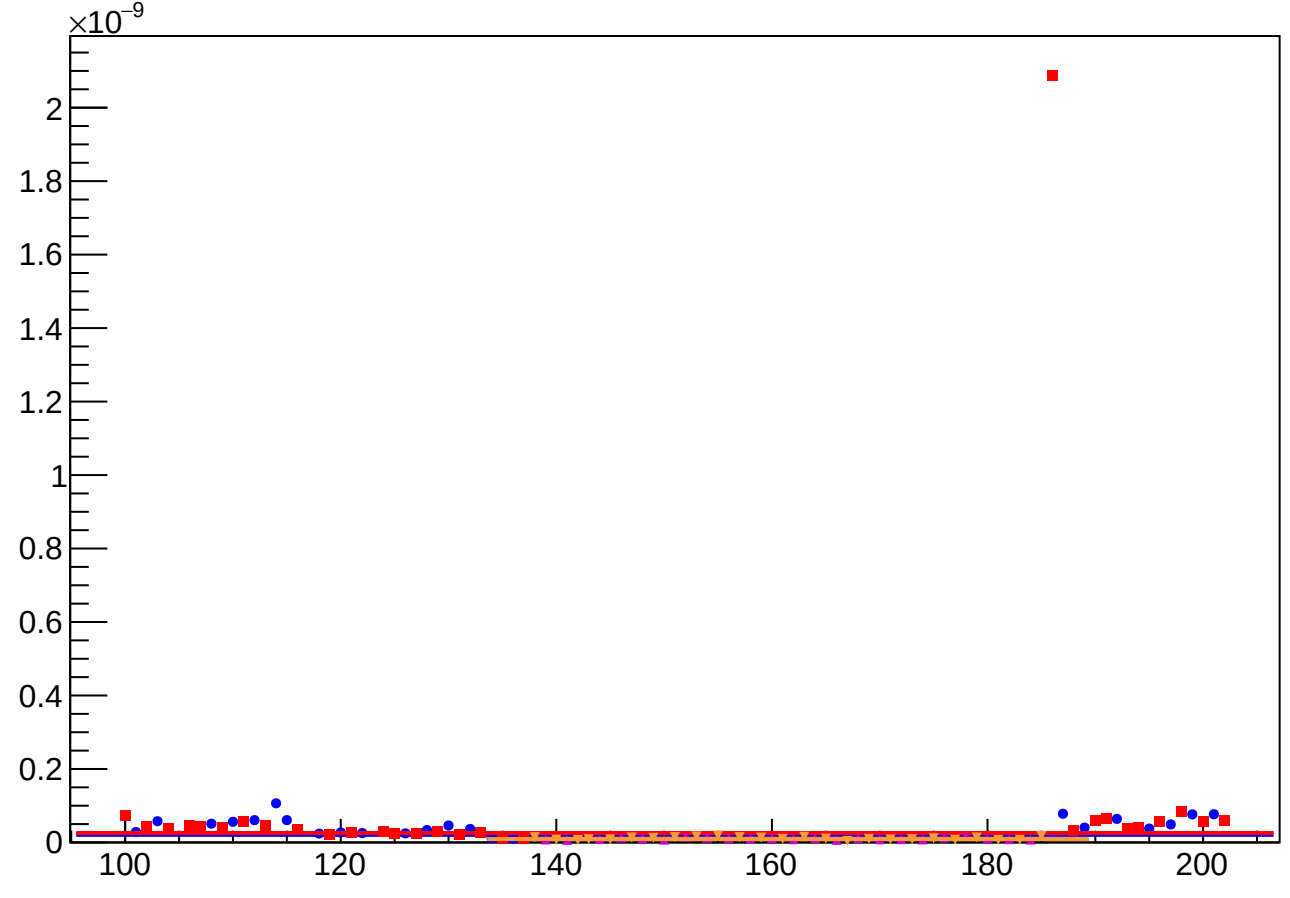
Right: 648.599+/-0.092 χ^2/NDF: 3278615.2/51

In: 539.244+/-0.071 χ^2/NDF:2794488.8/45

Out: 539.724+/-0.068 χ^2/NDF:3897943.8/53

All: 539.494+/-0.049 χ^2/NDF: 6692456.6/99


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.3/22
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.4/28
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 41.8/47
Right: -0.000+/-0.000 χ²/NDF: 50.8/51
In: -0.000+/-0.000 χ²/NDF:40.9/45
Out: -0.000+/-0.000 χ²/NDF:51.2/53
All: -0.000+/-0.000 χ²/NDF: 92.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 4608148.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3841487.4/28

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

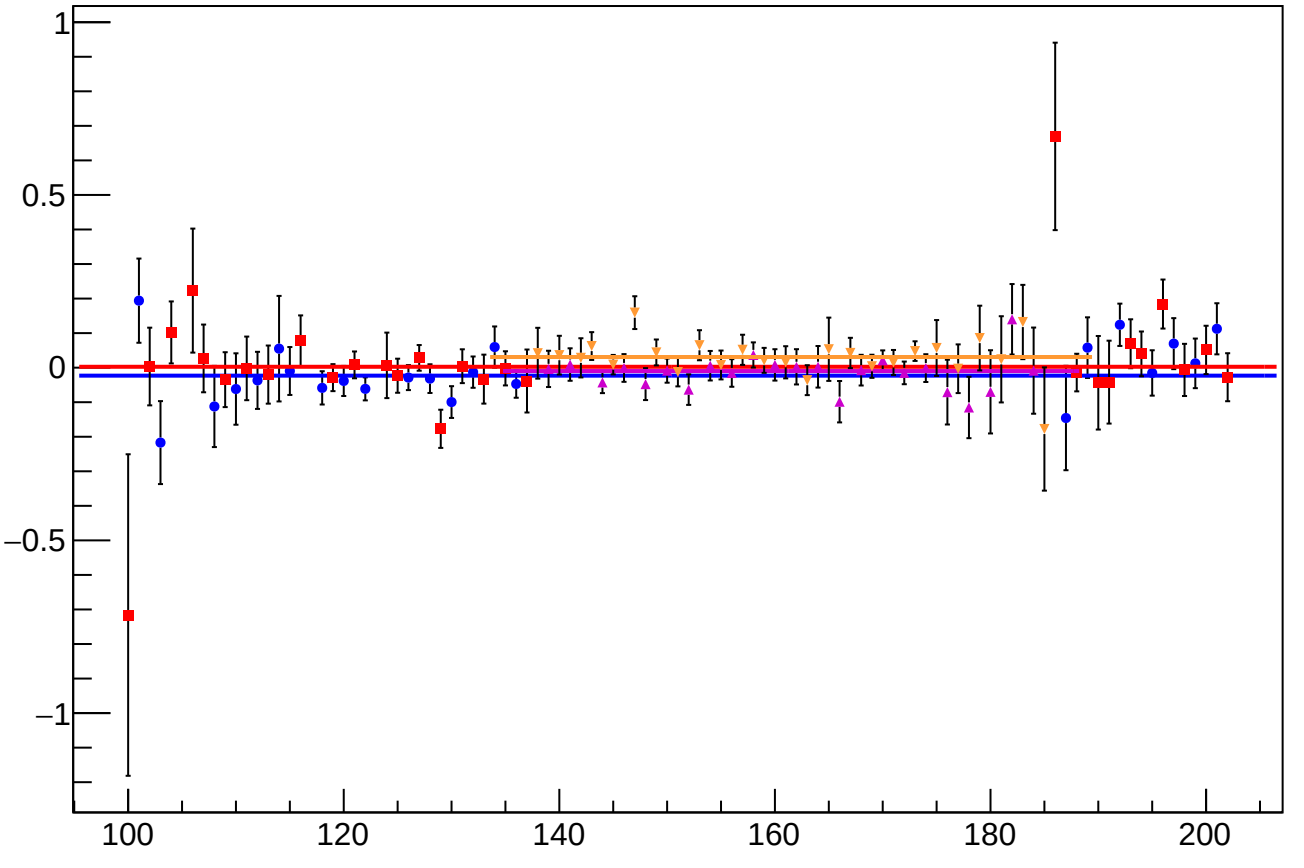
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8647465.2/51

In: 0.000+/-0.000 χ^2/NDF:6993181.0/45

Out: 0.000+/-0.000 χ^2/NDF:9129331.1/53

All: 0.000+/-0.000 χ^2/NDF: 16134154.1/99



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

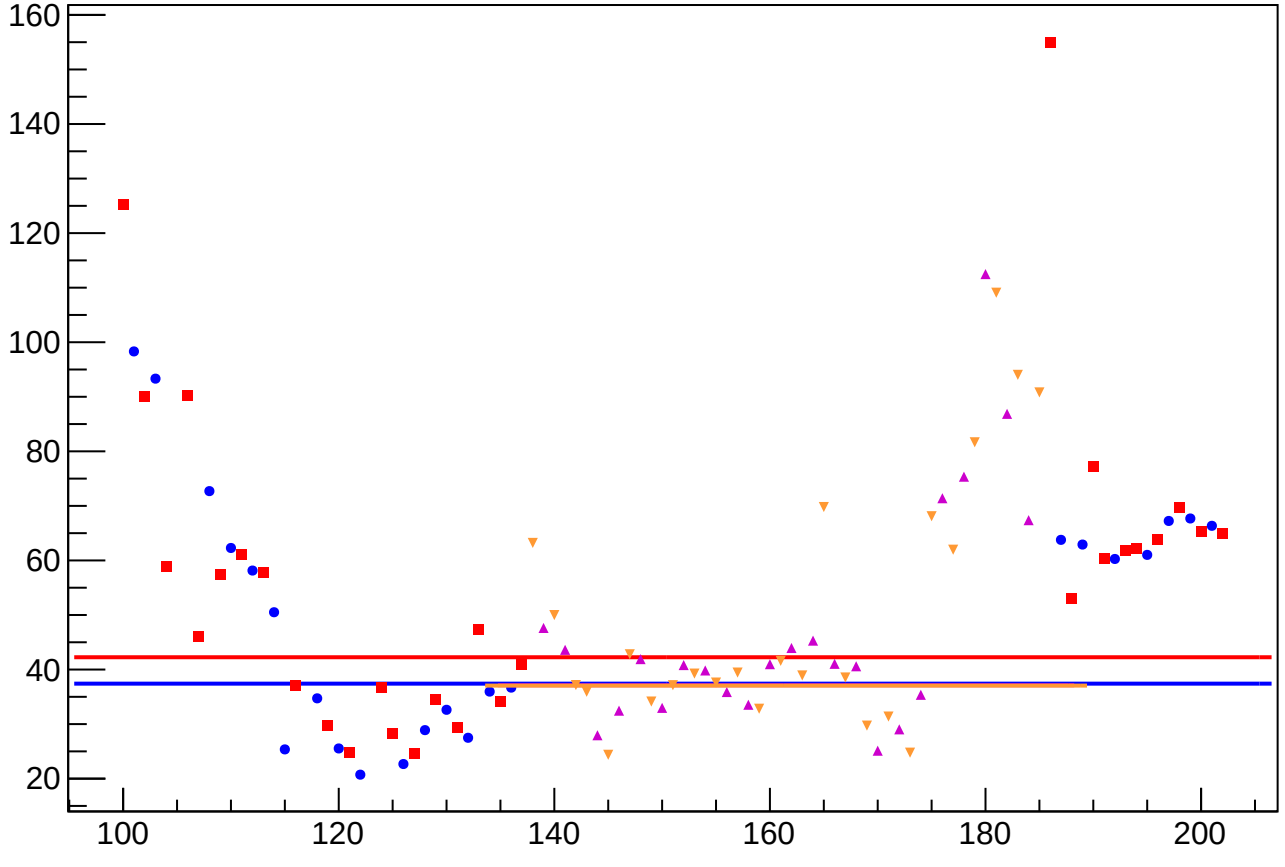
Right: -0.011+/-0.009 χ^2/NDF: 62.6/51

In: -0.015+/-0.007 χ^2/NDF:40.5/45

Out: 0.021+/-0.007 χ^2/NDF:55.1/53

All: 0.003+/-0.005 χ^2/NDF: 107.3/99

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.414+/-0.008 χ^2/NDF: 4376743.7/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 42.254+/-0.009 χ^2/NDF: 4169335.5/28

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

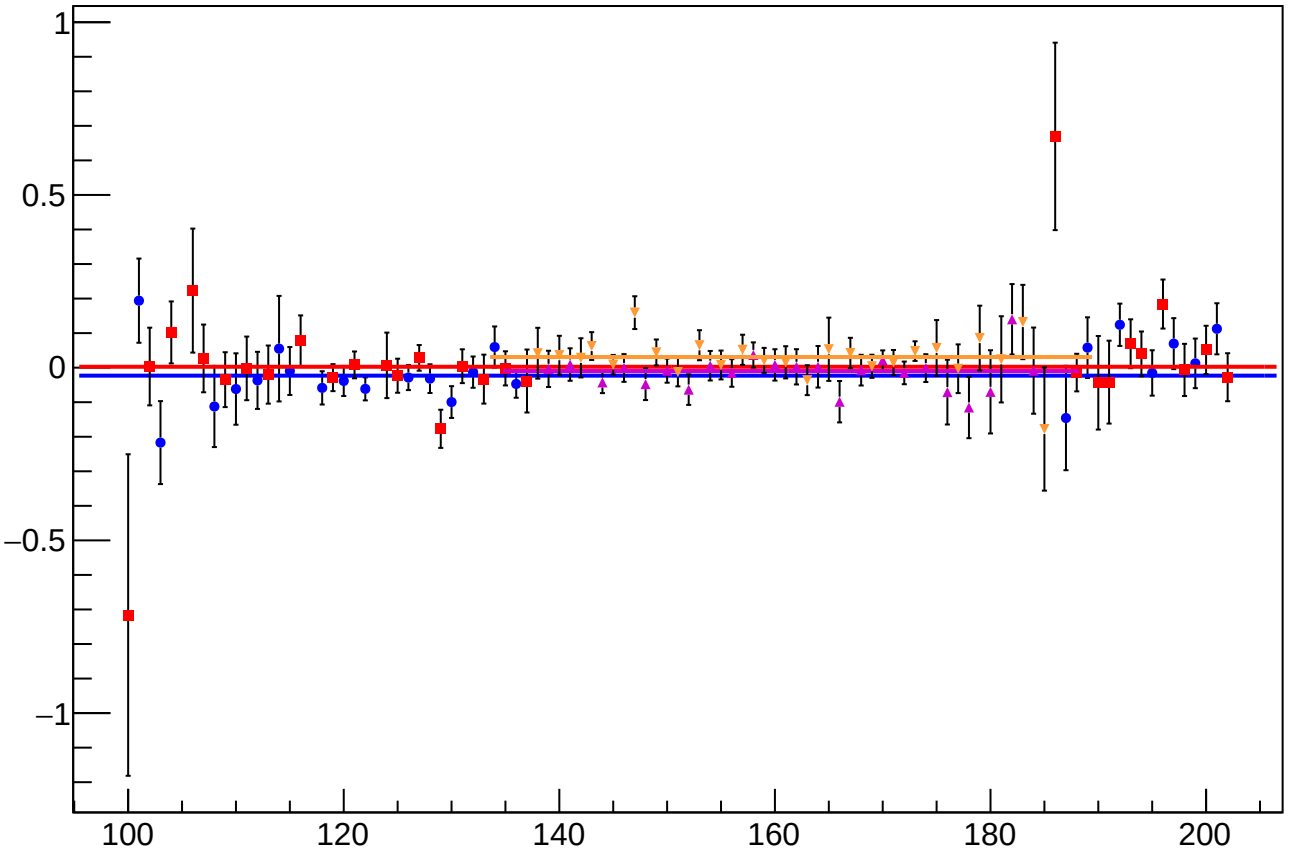
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 39.777+/-0.006 χ^2/NDF: 8706286.9/51

In: 37.236+/-0.005 χ^2/NDF:7390256.9/45

Out: 38.915+/-0.005 χ^2/NDF:8454919.8/53

All: 38.083+/-0.004 χ^2/NDF: 15897422.9/99



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

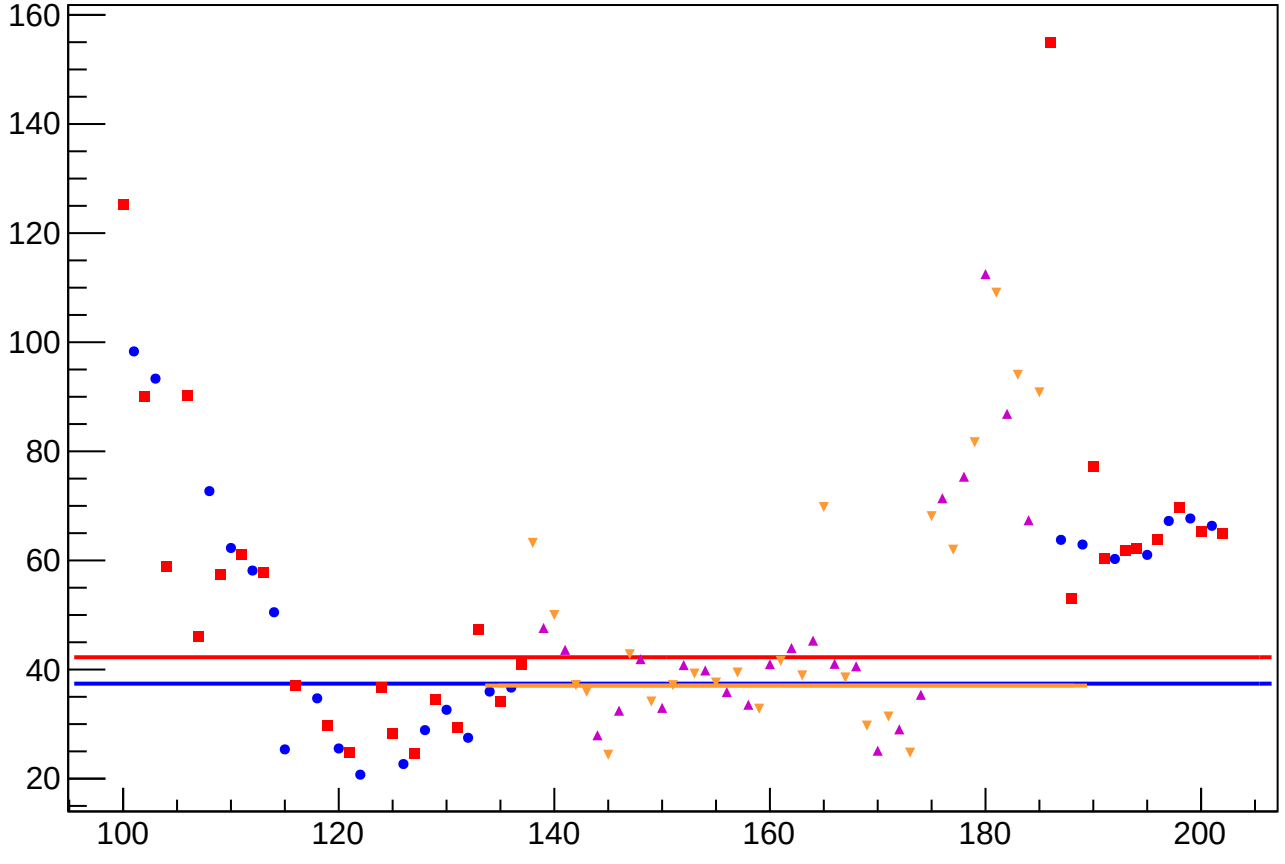
Right: -0.011+/-0.009 χ^2/NDF: 62.6/51

In: -0.015+/-0.007 χ^2/NDF:40.5/45

Out: 0.021+/-0.007 χ^2/NDF:55.1/53

All: 0.003+/-0.005 χ^2/NDF: 107.3/99

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.414+/-0.008 χ^2/NDF: 4376743.7/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 42.254+/-0.009 χ^2/NDF: 4169335.5/28

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

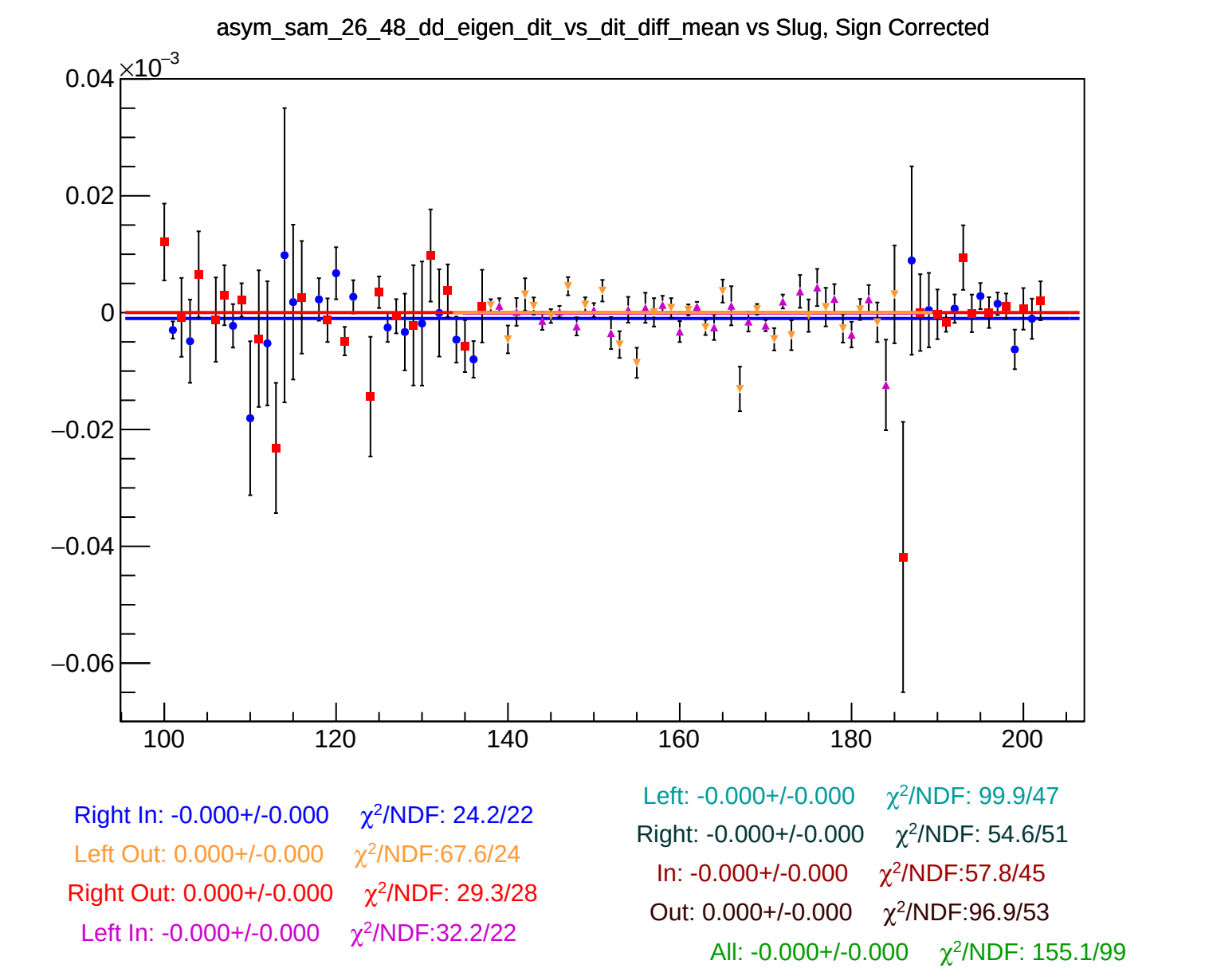
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

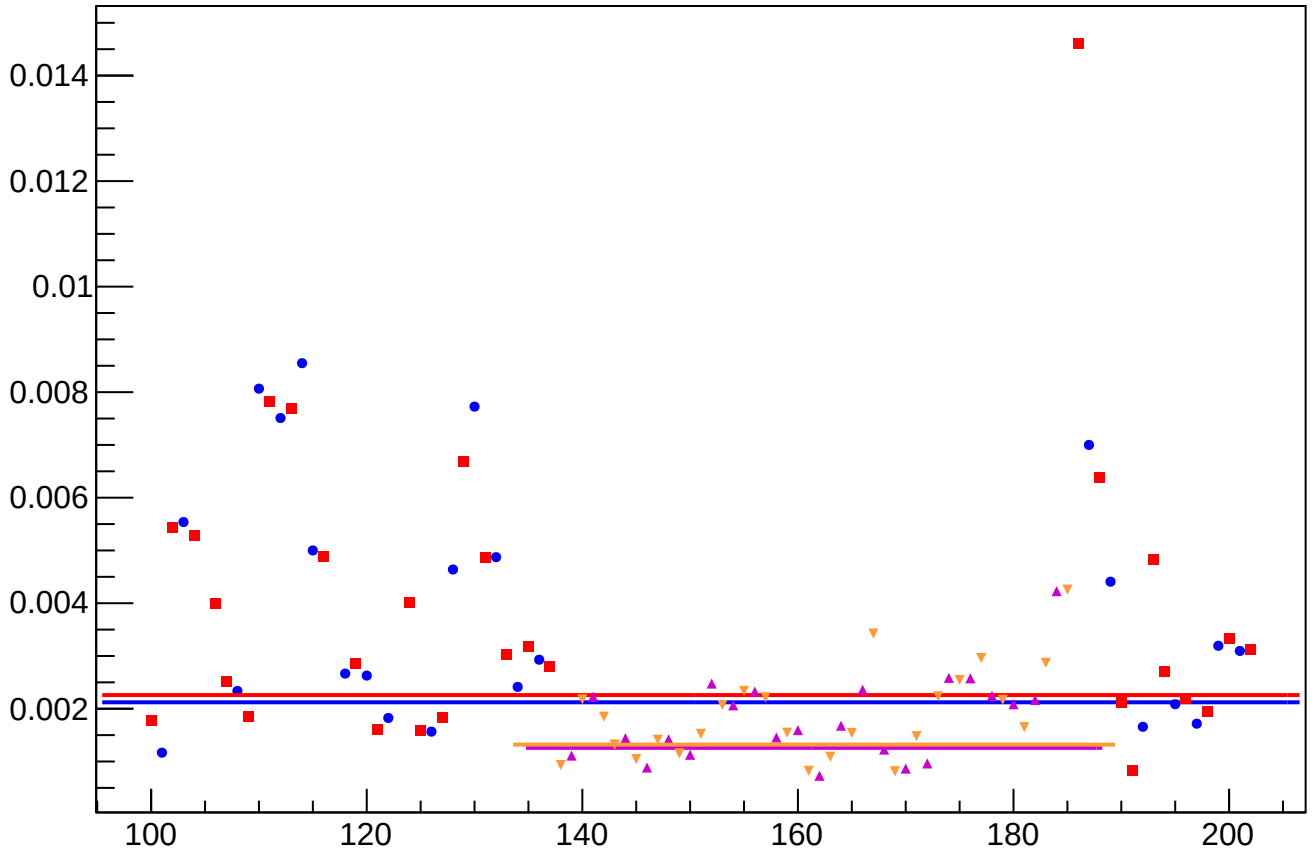
Right: 39.777+/-0.006 χ^2/NDF: 8706286.9/51

In: 37.236+/-0.005 χ^2/NDF:7390256.9/45

Out: 38.915+/-0.005 χ^2/NDF:8454919.8/53

All: 38.083+/-0.004 χ^2/NDF: 15897422.9/99


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.2/22
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.3/28
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
Left: -0.000+/-0.000 χ²/NDF: 99.9/47
Right: -0.000+/-0.000 χ²/NDF: 54.6/51
In: -0.000+/-0.000 χ²/NDF:57.8/45
Out: 0.000+/-0.000 χ²/NDF:96.9/53
All: -0.000+/-0.000 χ²/NDF: 155.1/99



Right In: 0.002+/-0.000 χ^2/NDF: 4884670.1/22

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6925545.3/28

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

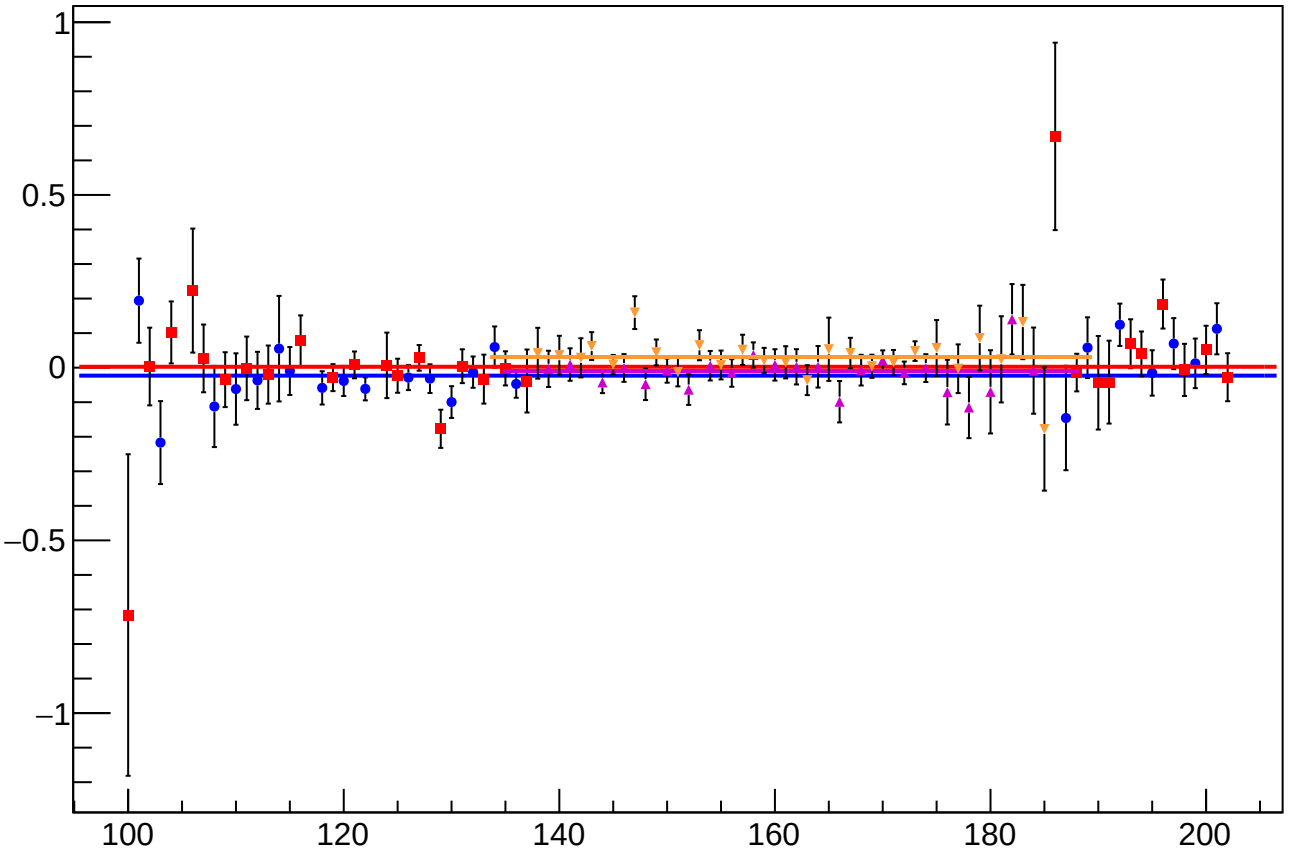
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 11848451.5/51

In: 0.001+/-0.000 χ^2/NDF:12756969.4/45

Out: 0.001+/-0.000 χ^2/NDF:15490806.5/53

All: 0.001+/-0.000 χ^2/NDF: 28314454.4/99



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

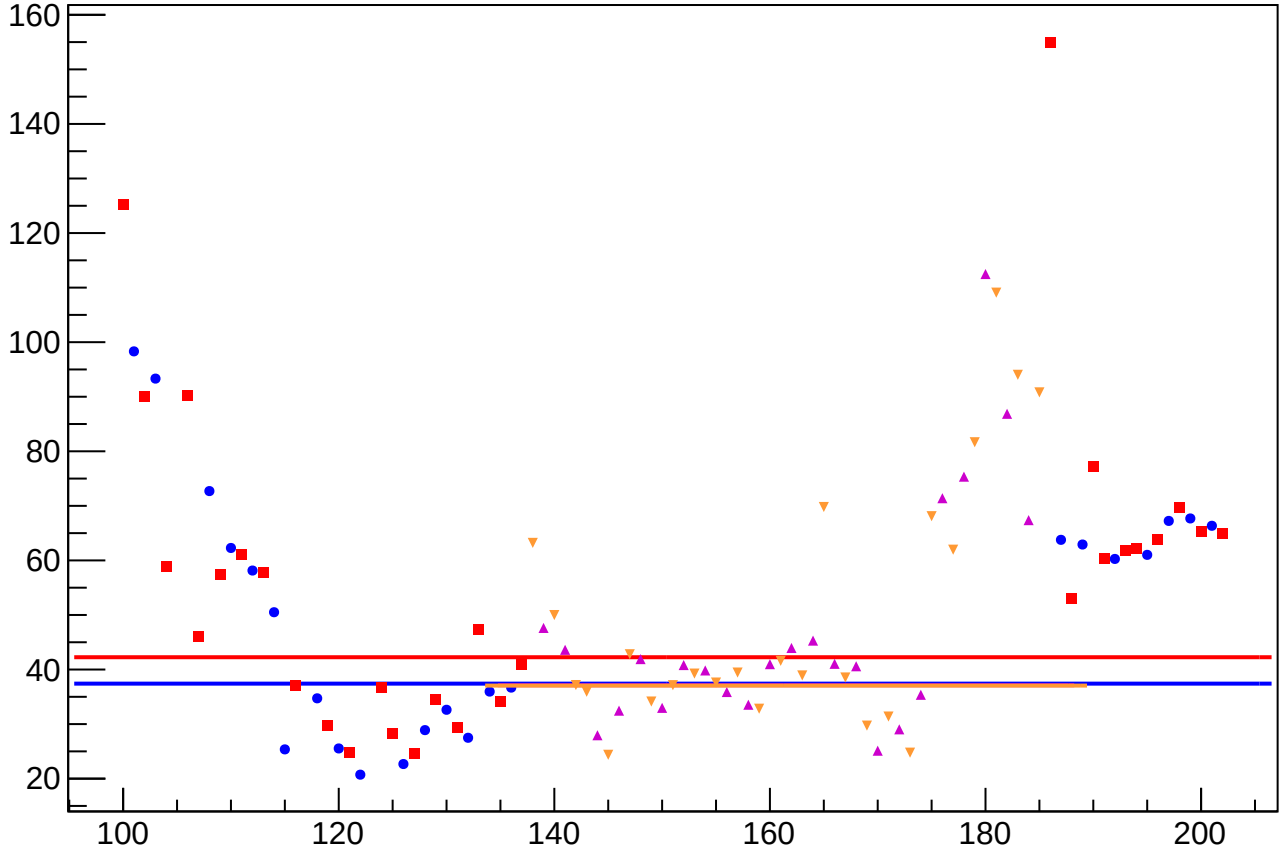
Right: -0.011+/-0.009 χ^2/NDF: 62.6/51

In: -0.015+/-0.007 χ^2/NDF:40.5/45

Out: 0.021+/-0.007 χ^2/NDF:55.1/53

All: 0.003+/-0.005 χ^2/NDF: 107.3/99

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.415+/-0.008 χ^2/NDF: 4376675.2/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 42.255+/-0.009 χ^2/NDF: 4169140.6/28

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

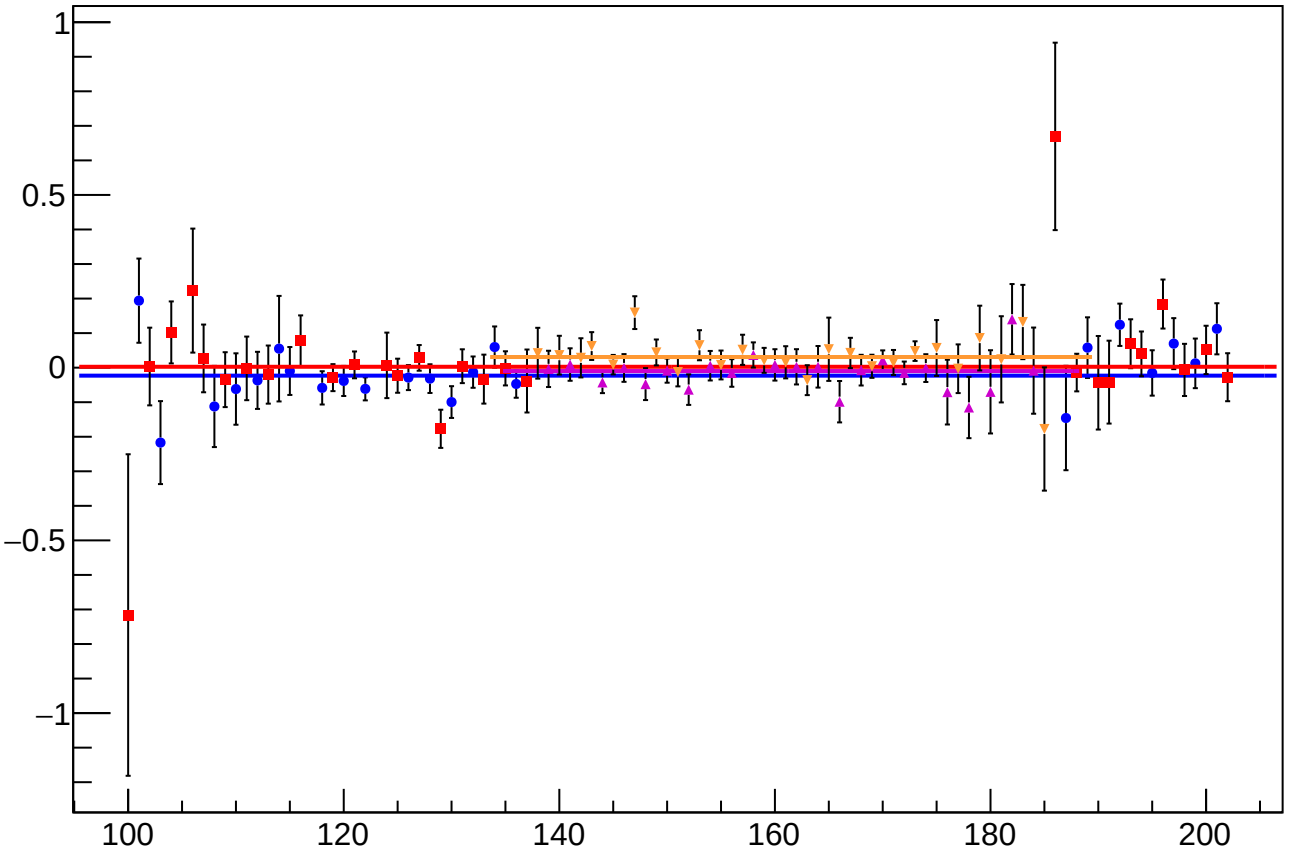
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 39.778+/-0.006 χ^2/NDF: 8706026.1/51

In: 37.236+/-0.005 χ^2/NDF:7390162.1/45

Out: 38.915+/-0.005 χ^2/NDF:8454775.8/53

All: 38.083+/-0.004 χ^2/NDF: 15897184.6/99



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

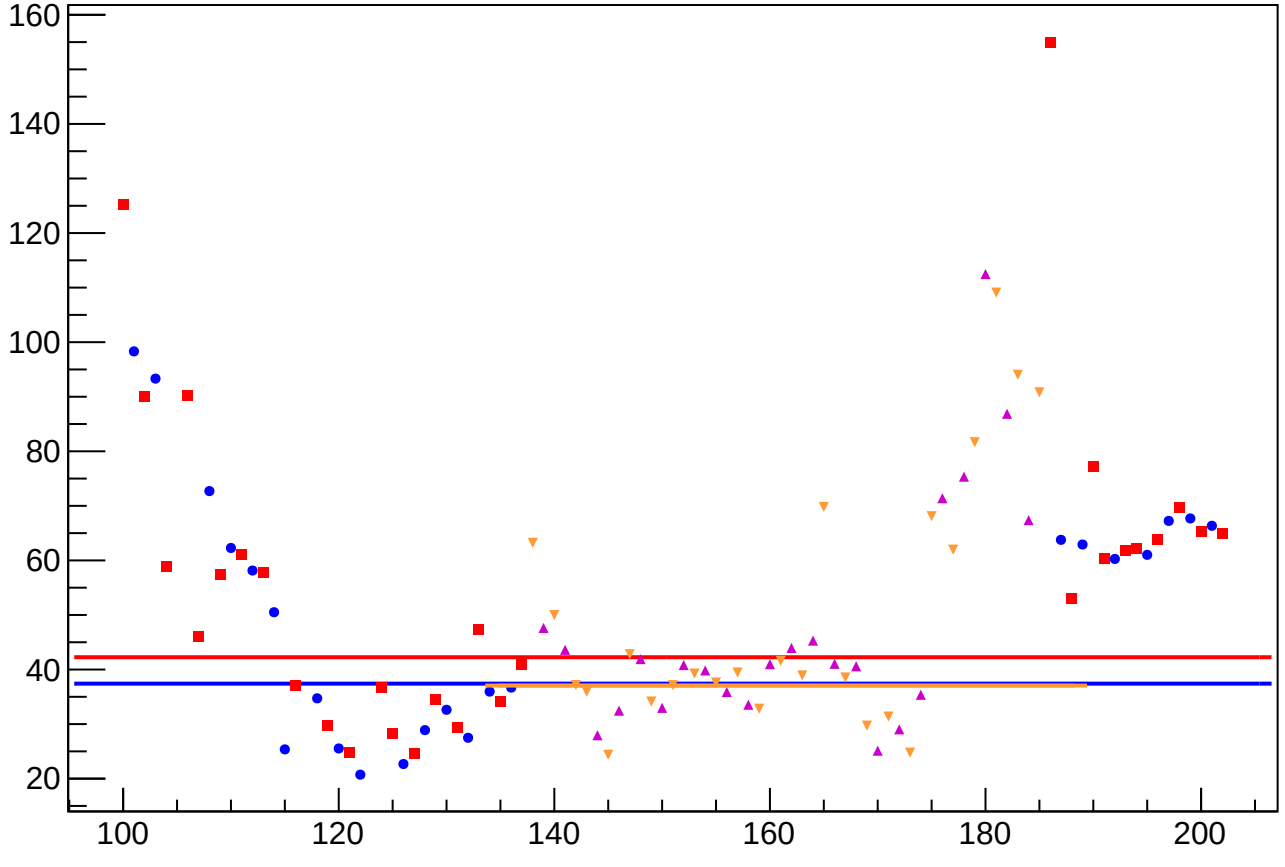
Right: -0.011+/-0.009 χ^2/NDF: 62.6/51

In: -0.015+/-0.007 χ^2/NDF:40.5/45

Out: 0.021+/-0.007 χ^2/NDF:55.1/53

All: 0.003+/-0.005 χ^2/NDF: 107.3/99

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.415+/-0.008 χ^2/NDF: 4376675.2/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 42.255+/-0.009 χ^2/NDF: 4169140.6/28

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

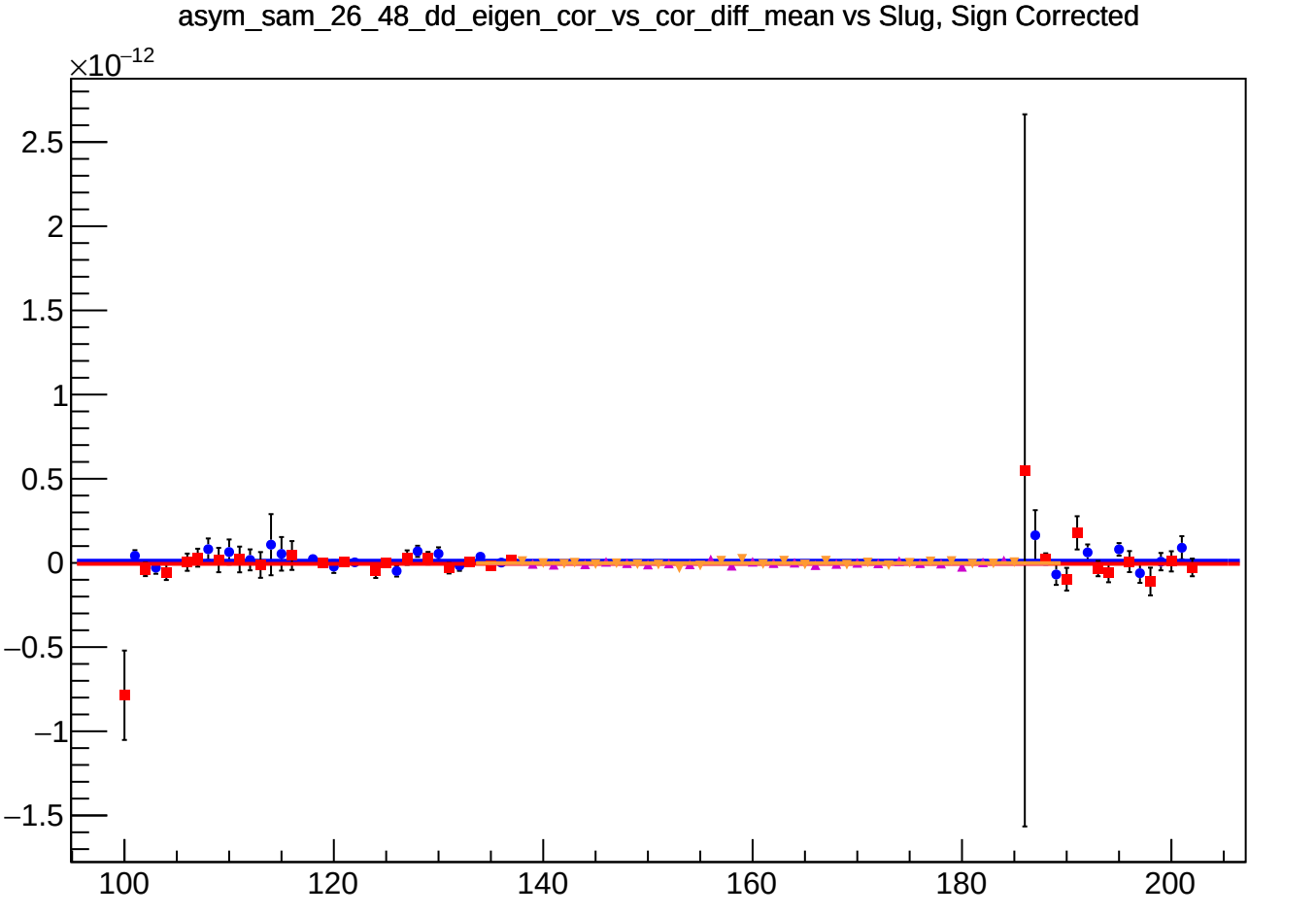
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 39.778+/-0.006 χ^2/NDF: 8706026.1/51

In: 37.236+/-0.005 χ^2/NDF:7390162.1/45

Out: 38.915+/-0.005 χ^2/NDF:8454775.8/53

All: 38.083+/-0.004 χ^2/NDF: 15897184.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/28

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

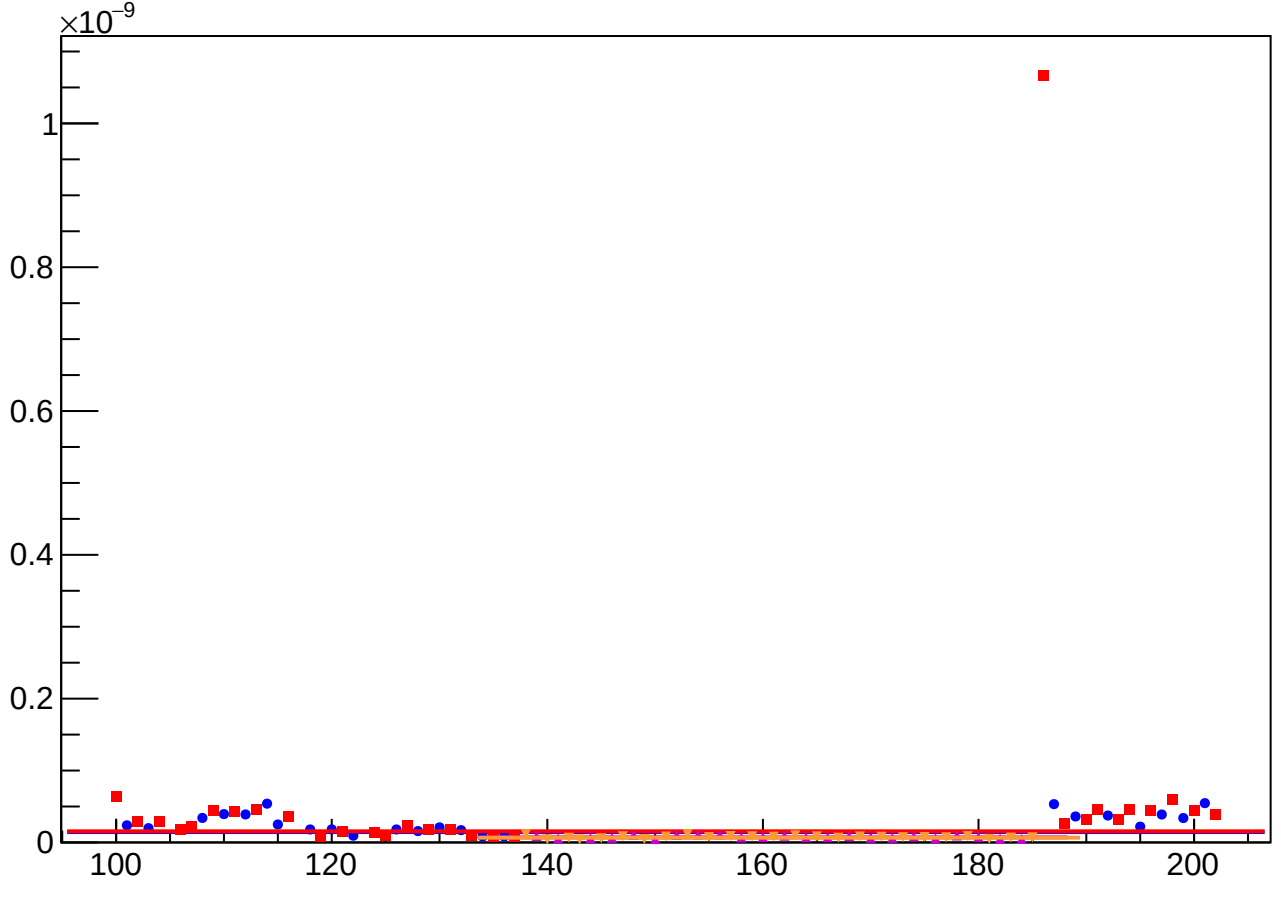
Right: 0.000+/-0.000 χ^2/NDF: 58.5/51

In: -0.000+/-0.000 χ^2/NDF:54.0/45

Out: -0.000+/-0.000 χ^2/NDF:53.3/53

All: -0.000+/-0.000 χ^2/NDF: 107.2/99

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4602640.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6875662.1/28

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

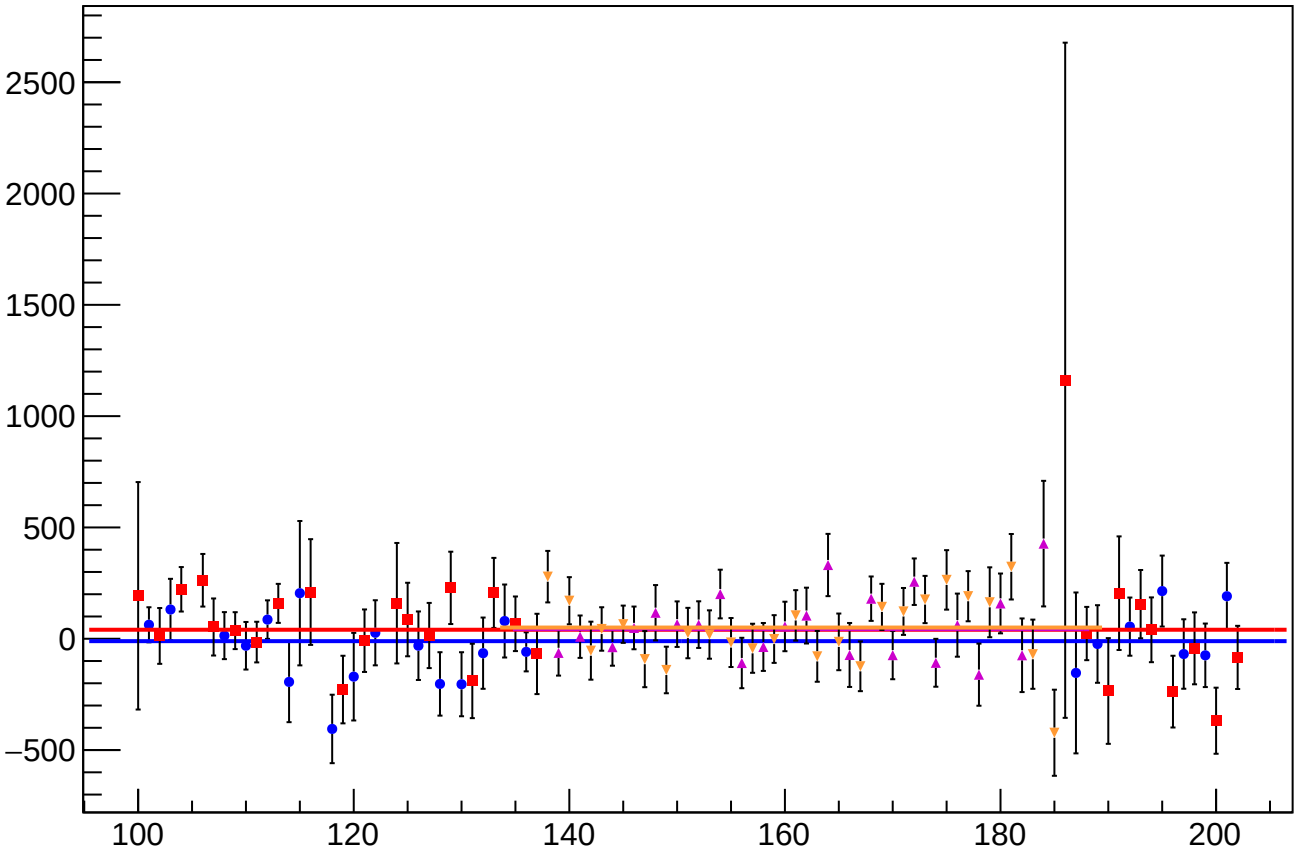
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11503590.3/51

In: 0.000+/-0.000 χ^2/NDF:8635717.9/45

Out: 0.000+/-0.000 χ^2/NDF:12460691.2/53

All: 0.000+/-0.000 χ^2/NDF: 21140975.0/99



Right In: -10.783+/-27.751 χ^2/NDF: 21.0/22

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 40.465+/-25.985 χ^2/NDF: 32.5/28

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

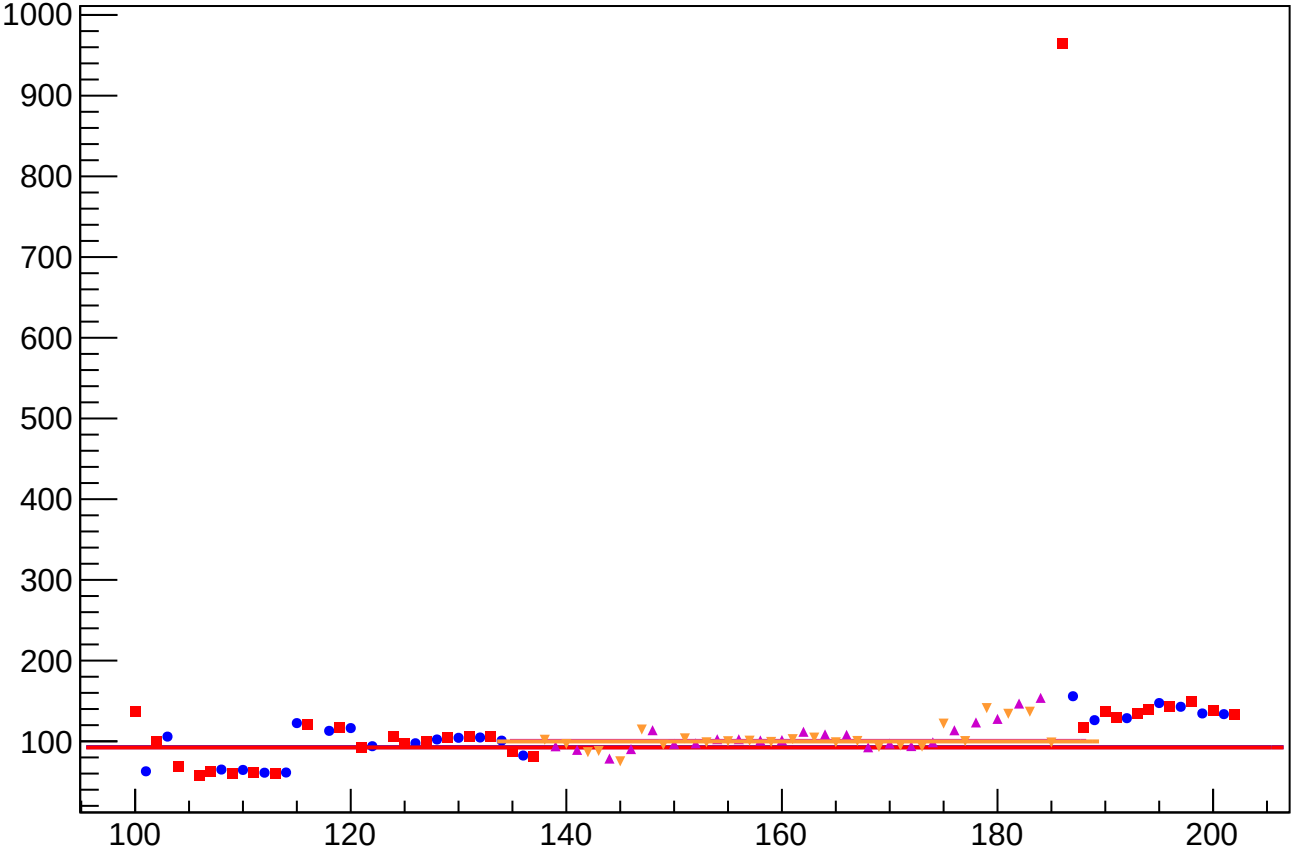
Right: 16.523+/-18.968 χ^2/NDF: 55.3/51

In: 20.267+/-18.048 χ^2/NDF:49.7/45

Out: 45.996+/-17.205 χ^2/NDF:66.0/53

All: 33.746+/-12.453 χ^2/NDF: 116.8/99

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 92.697+/-0.020 χ^2/NDF: 2107186.3/22

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 92.380+/-0.018 χ^2/NDF: 3399947.0/28

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

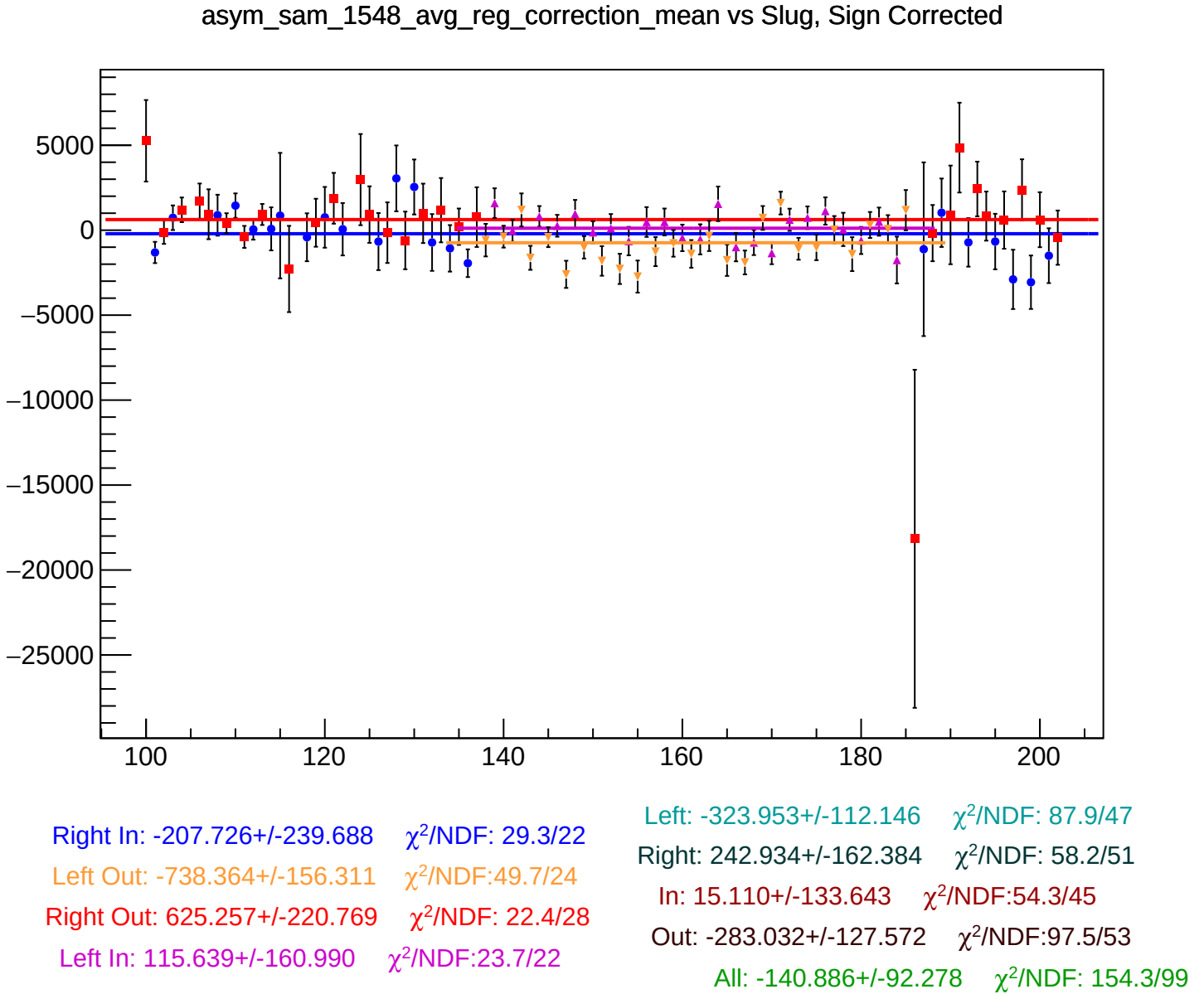
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

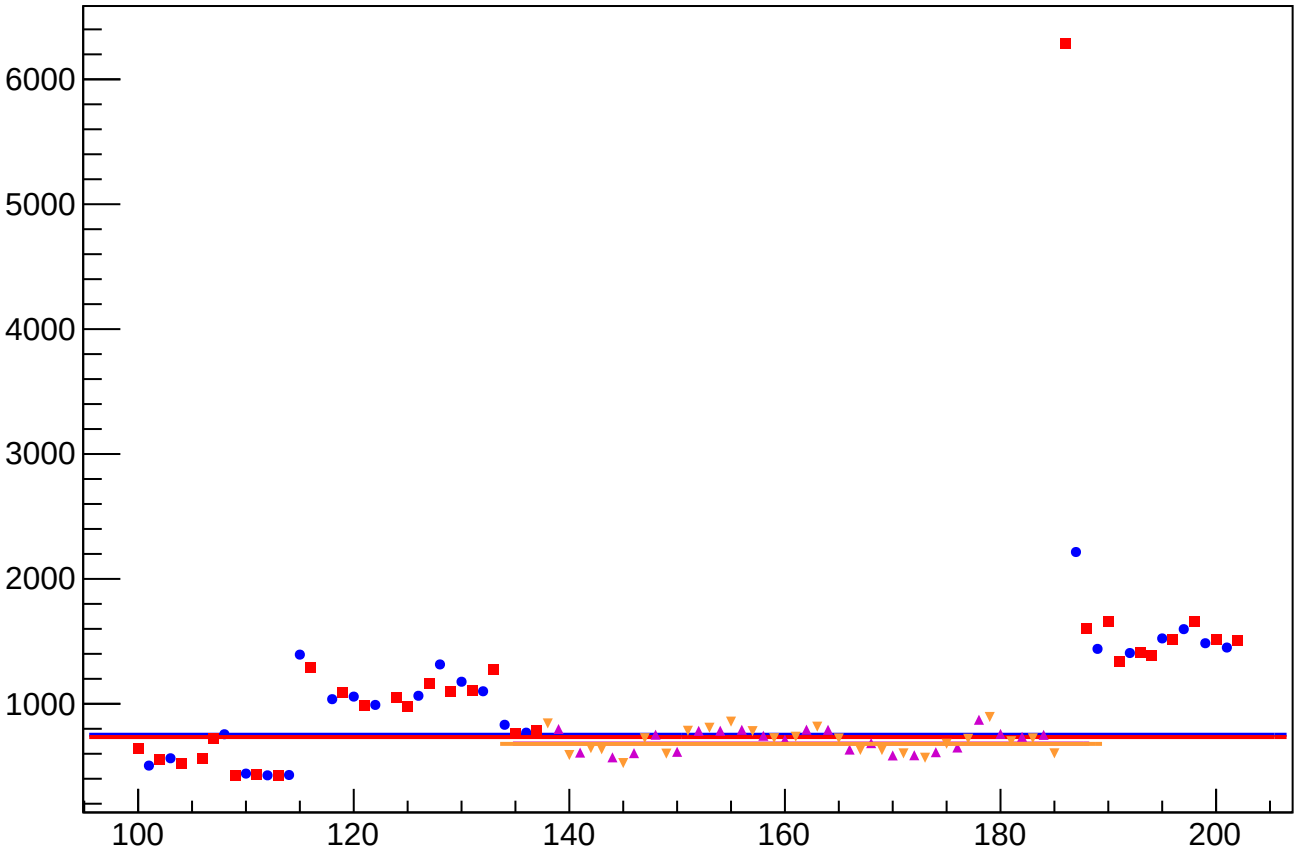
Right: 92.528+/-0.013 χ^2/NDF: 5507272.7/51

In: 97.199+/-0.013 χ^2/NDF:2855229.0/45

Out: 96.569+/-0.012 χ^2/NDF:4190267.7/53

All: 96.869+/-0.009 χ^2/NDF: 7046771.8/99


asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -207.726+/-239.688 χ²/NDF: 29.3/22
Left Out: -738.364+/-156.311 χ²/NDF:49.7/24
Right Out: 625.257+/-220.769 χ²/NDF: 22.4/28
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.953+/-112.146 χ²/NDF: 87.9/47
Right: 242.934+/-162.384 χ²/NDF: 58.2/51
In: 15.110+/-133.643 χ²/NDF:54.3/45
Out: -283.032+/-127.572 χ²/NDF:97.5/53
All: -140.886+/-92.278 χ²/NDF: 154.3/99



Right In: 752.261+/-0.169 χ^2/NDF: 4786680.0/22

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 733.780+/-0.156 χ^2/NDF: 6812274.5/28

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

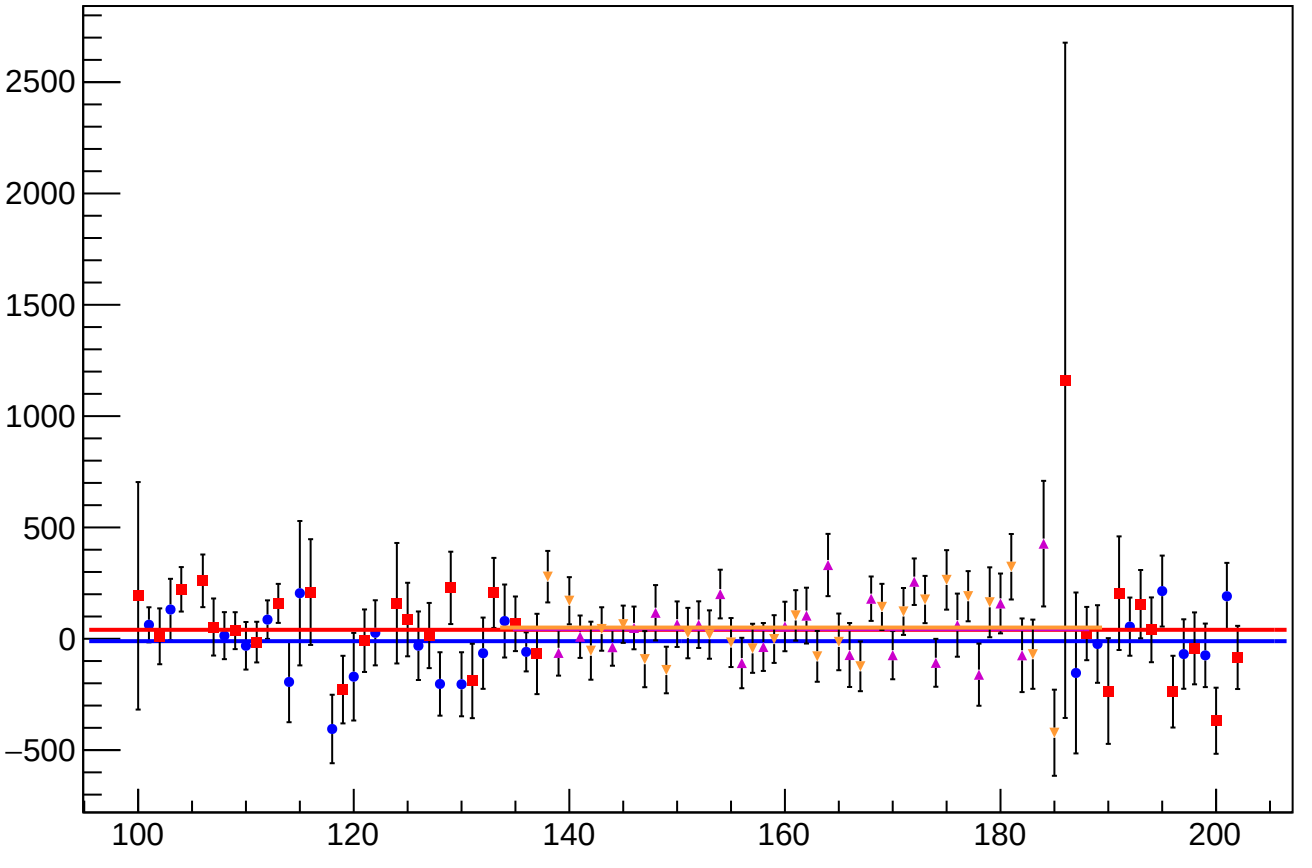
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 742.263+/-0.115 χ^2/NDF: 11605387.4/51

In: 703.769+/-0.094 χ^2/NDF:5479283.2/45

Out: 697.389+/-0.090 χ^2/NDF:7631278.9/53

All: 700.431+/-0.065 χ^2/NDF: 13112947.1/99



Right In: -10.785+/-27.751 χ^2/NDF: 21.0/22

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 40.265+/-25.986 χ^2/NDF: 32.4/28

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

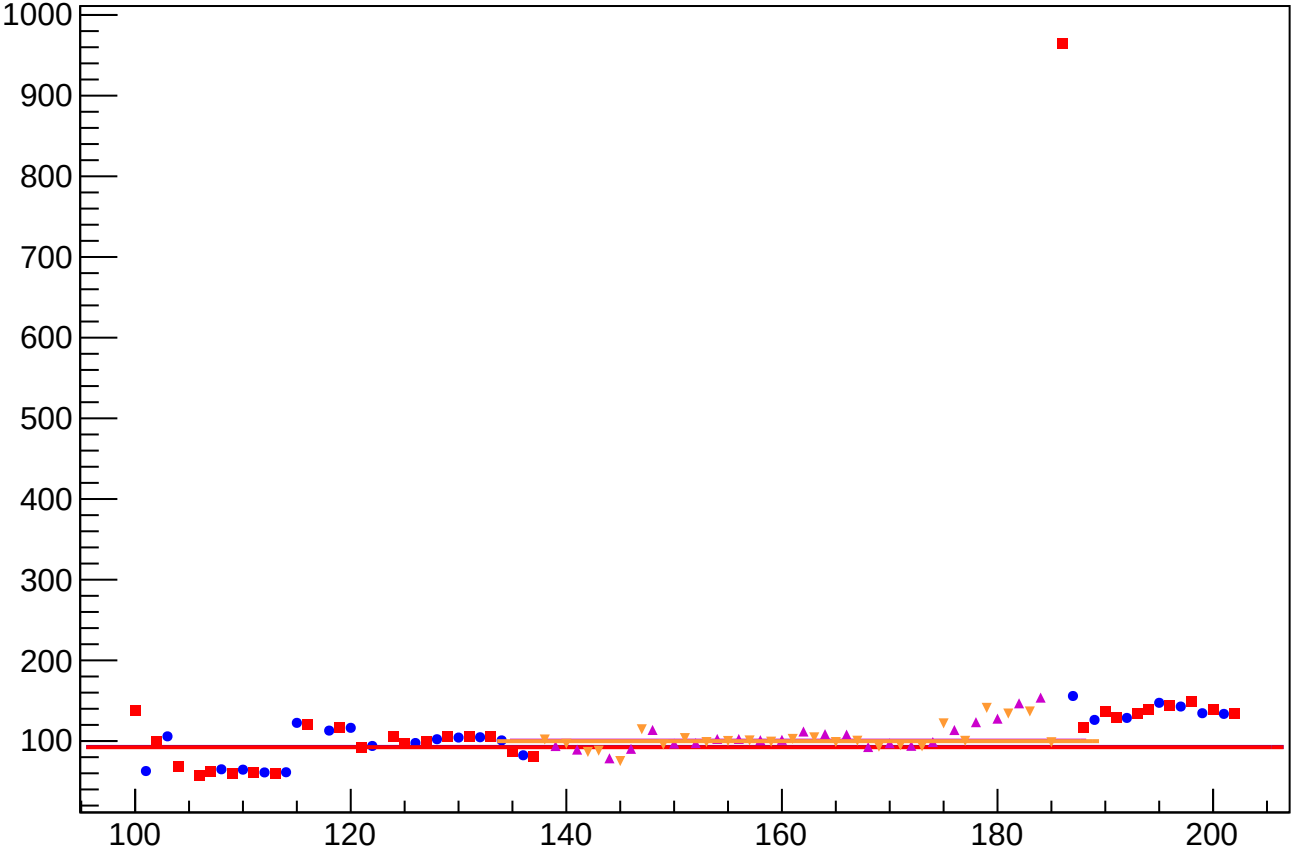
Right: 16.414+/-18.968 χ^2/NDF: 55.2/51

In: 20.266+/-18.048 χ^2/NDF:49.8/45

Out: 45.914+/-17.205 χ^2/NDF:65.9/53

All: 33.703+/-12.453 χ^2/NDF: 116.7/99

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 92.697+/-0.020 χ^2/NDF: 2107187.7/22

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 92.367+/-0.018 χ^2/NDF: 3403203.2/28

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

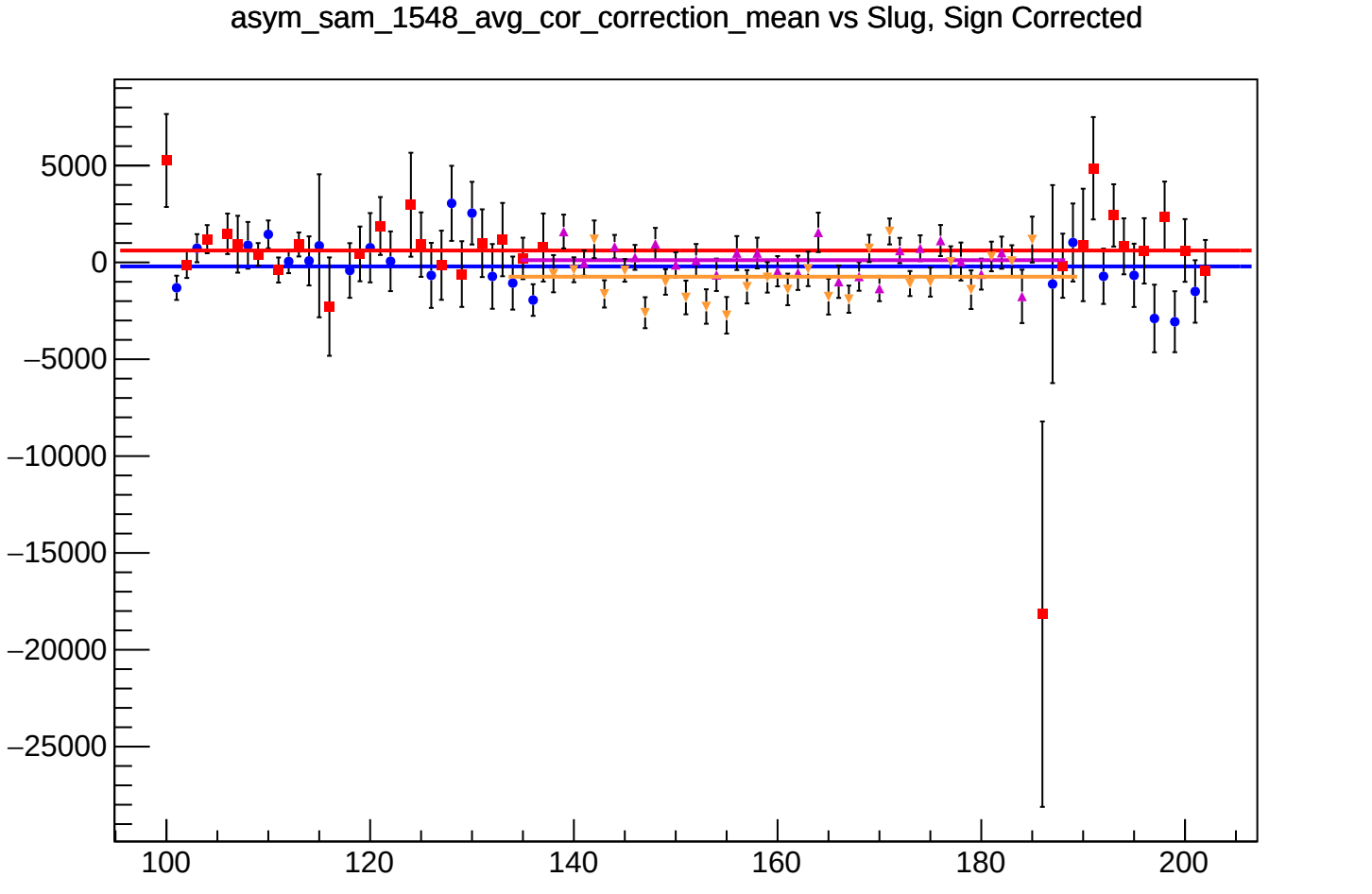
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 92.521+/-0.013 χ^2/NDF: 5510541.7/51

In: 97.199+/-0.013 χ^2/NDF:2855230.1/45

Out: 96.564+/-0.012 χ^2/NDF:4193835.6/53

All: 96.866+/-0.009 χ^2/NDF: 7050362.8/99



Right In: -207.751+/-239.691 χ^2/NDF: 29.3/22

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 614.234+/-220.886 χ^2/NDF: 21.9/28

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

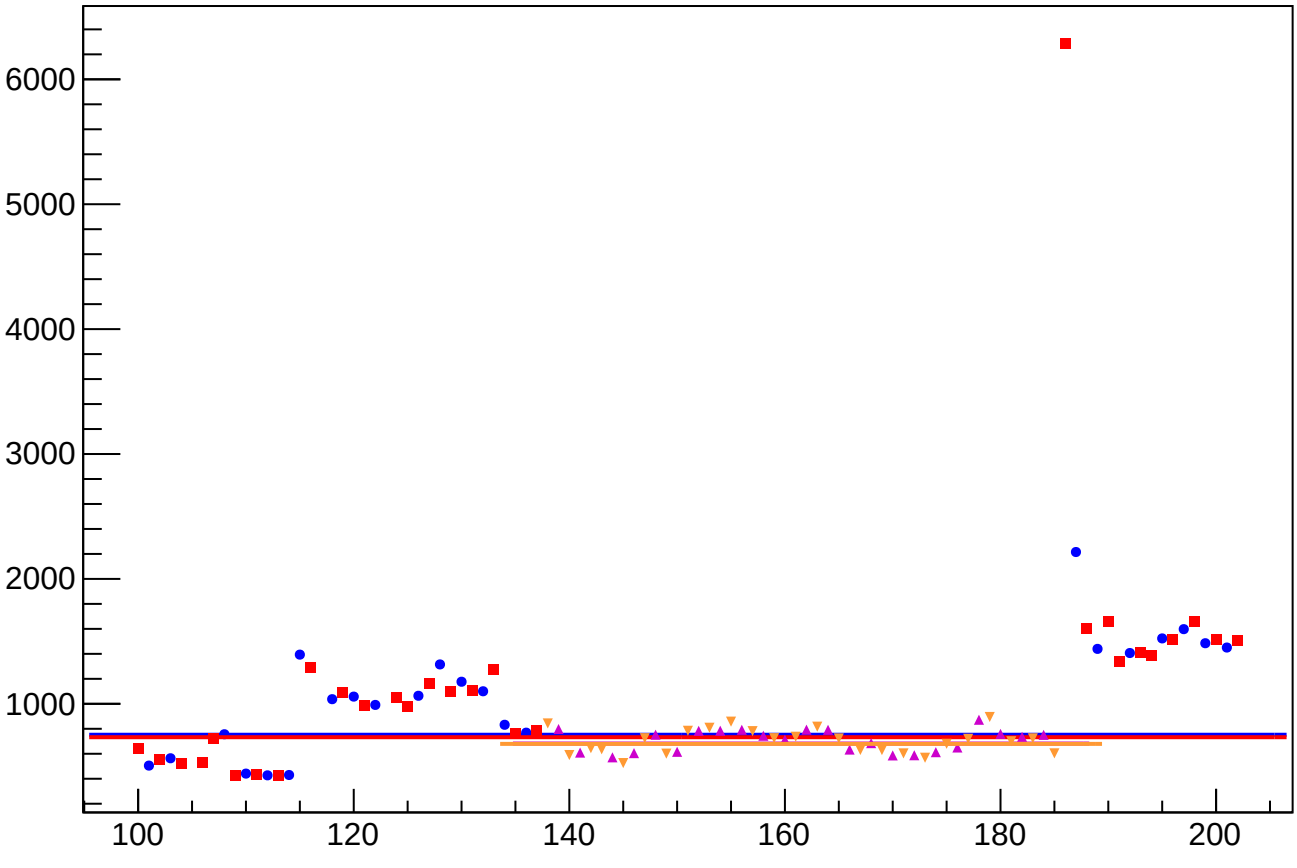
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 236.746+/-162.432 χ^2/NDF: 57.6/51

In: 15.104+/-133.643 χ^2/NDF:54.3/45

Out: -287.024+/-127.594 χ^2/NDF:96.6/53

All: -142.952+/-92.287 χ^2/NDF: 153.5/99



Right In: 752.272+/-0.169 χ^2/NDF: 4786571.2/22

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 732.482+/-0.156 χ^2/NDF: 6833935.2/28

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

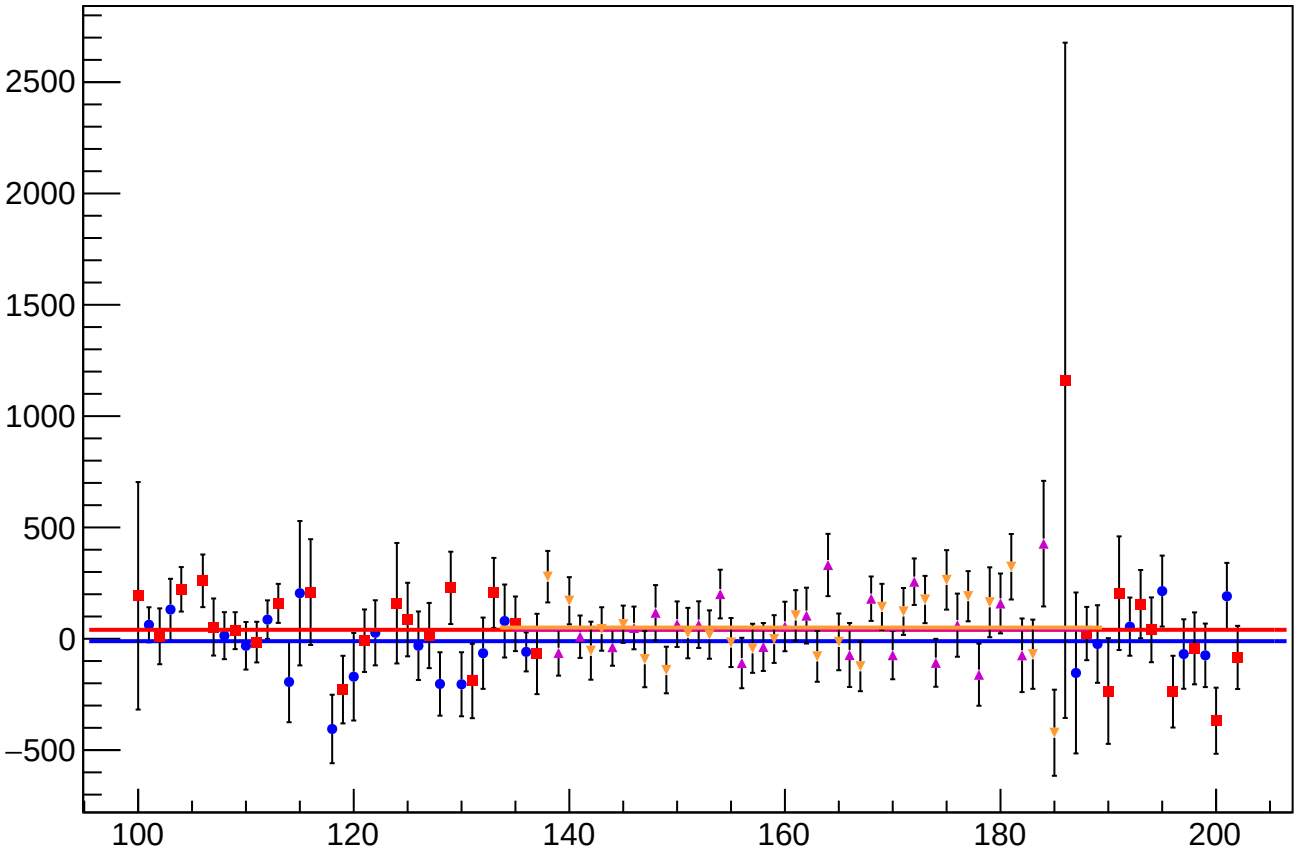
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 741.570+/-0.115 χ^2/NDF: 11627878.8/51

In: 703.772+/-0.094 χ^2/NDF:5479208.1/45

Out: 696.943+/-0.090 χ^2/NDF:7649052.0/53

All: 700.200+/-0.065 χ^2/NDF: 13130992.2/99



Right In: -10.785+/-27.751 χ^2/NDF: 21.0/22

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 40.265+/-25.986 χ^2/NDF: 32.4/28

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

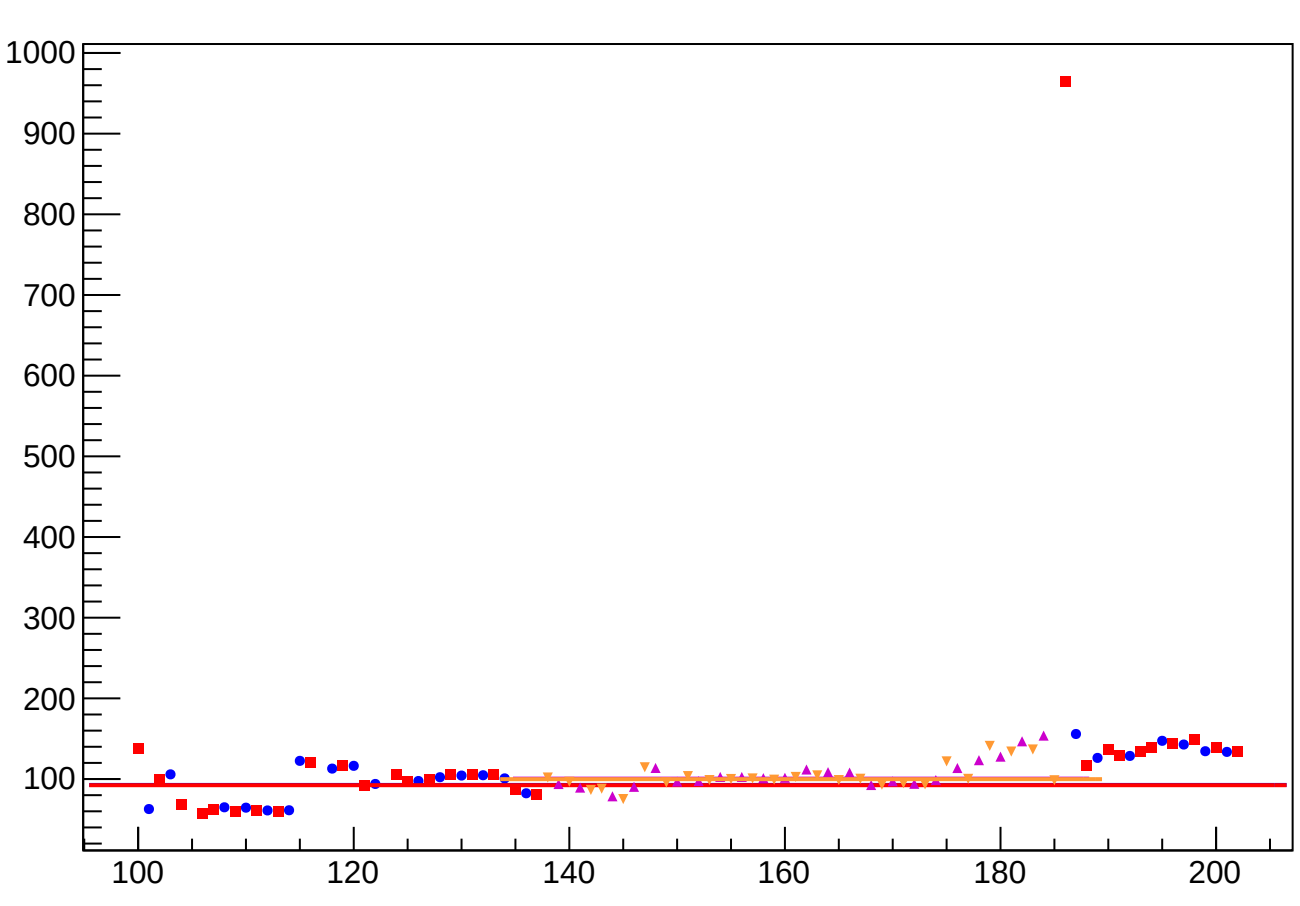
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 16.414+/-18.968 χ^2/NDF: 55.2/51

In: 20.266+/-18.048 χ^2/NDF:49.8/45

Out: 45.914+/-17.205 χ^2/NDF:65.9/53

All: 33.703+/-12.453 χ^2/NDF: 116.7/99



Right In: 92.697+/-0.020 χ^2/NDF: 2107187.7/22

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 92.367+/-0.018 χ^2/NDF: 3403203.2/28

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

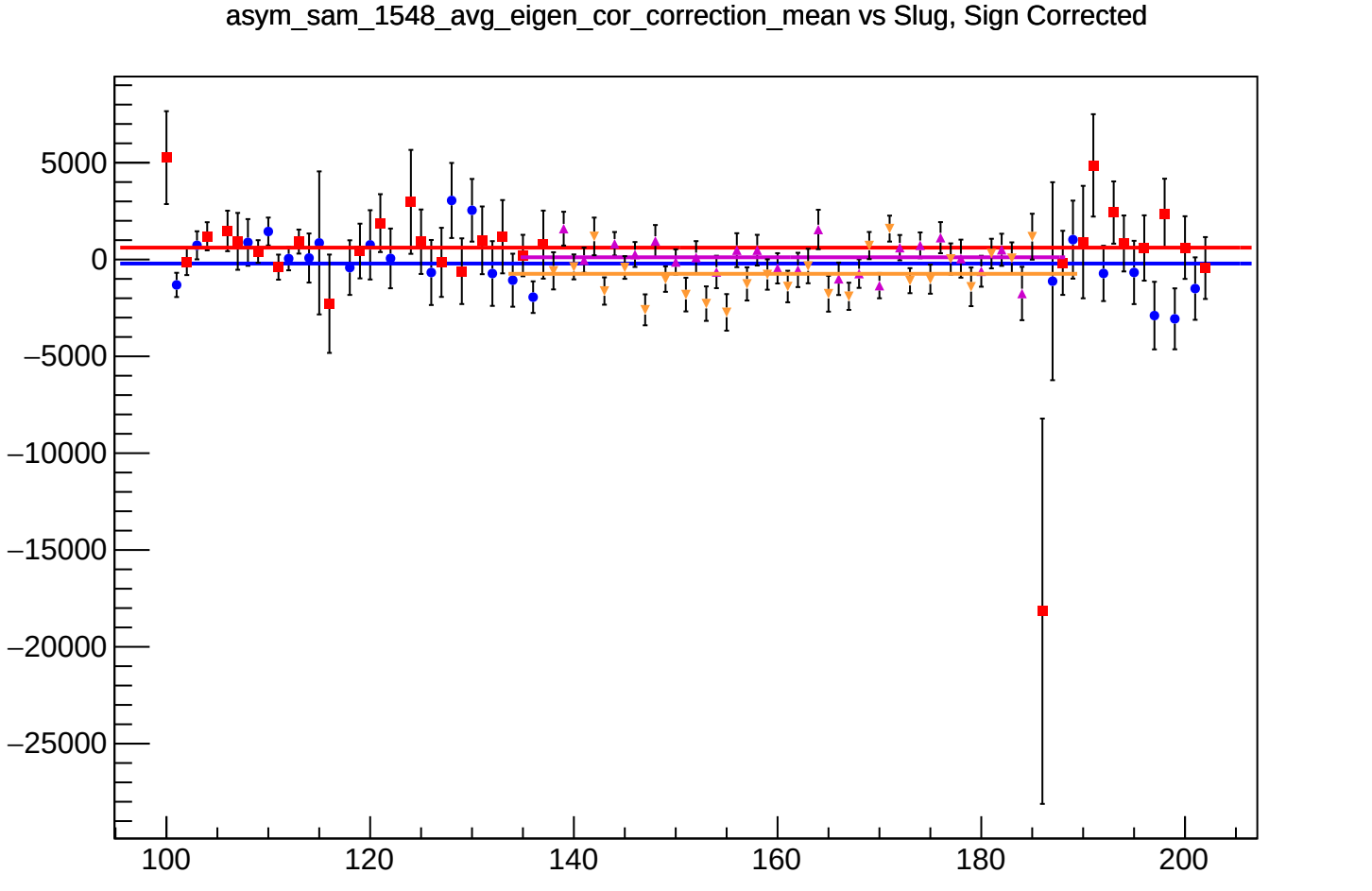
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 92.521+/-0.013 χ^2/NDF: 5510541.7/51

In: 97.199+/-0.013 χ^2/NDF:2855230.1/45

Out: 96.564+/-0.012 χ^2/NDF:4193835.6/53

All: 96.866+/-0.009 χ^2/NDF: 7050362.8/99



Right In: -207.751+/-239.691 χ^2/NDF: 29.3/22

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 614.234+/-220.886 χ^2/NDF: 21.9/28

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

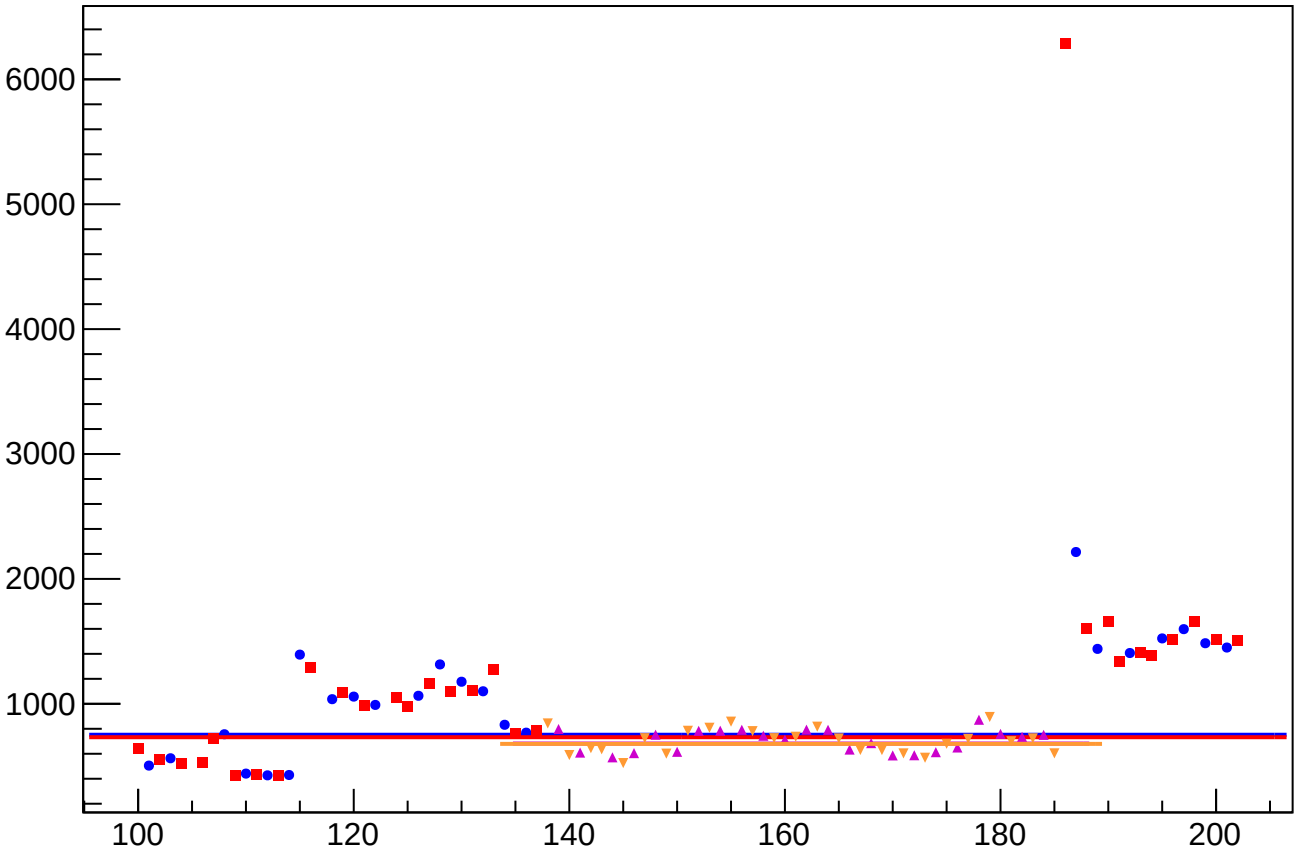
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 236.746+/-162.432 χ^2/NDF: 57.6/51

In: 15.104+/-133.643 χ^2/NDF:54.3/45

Out: -287.024+/-127.594 χ^2/NDF:96.6/53

All: -142.952+/-92.287 χ^2/NDF: 153.5/99



Right In: 752.272+/-0.169 χ^2/NDF: 4786571.2/22

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 732.482+/-0.156 χ^2/NDF: 6833935.2/28

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

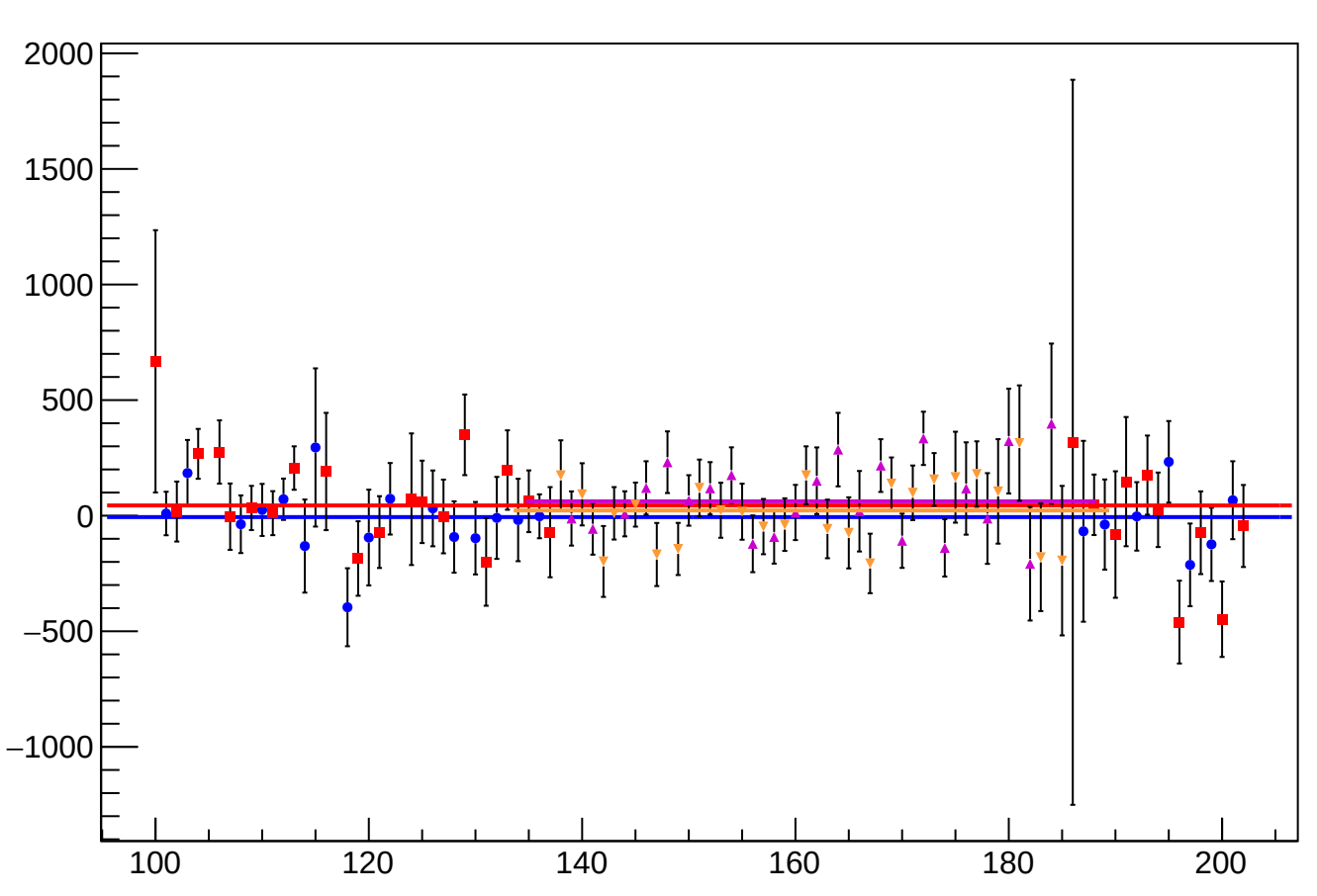
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 741.570+/-0.115 χ^2/NDF: 11627878.8/51

In: 703.772+/-0.094 χ^2/NDF:5479208.1/45

Out: 696.943+/-0.090 χ^2/NDF:7649052.0/53

All: 700.200+/-0.065 χ^2/NDF: 13130992.2/99



Right In: -6.025+/-30.512 χ^2/NDF: 14.3/22

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 44.264+/-28.533 χ^2/NDF: 39.2/28

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

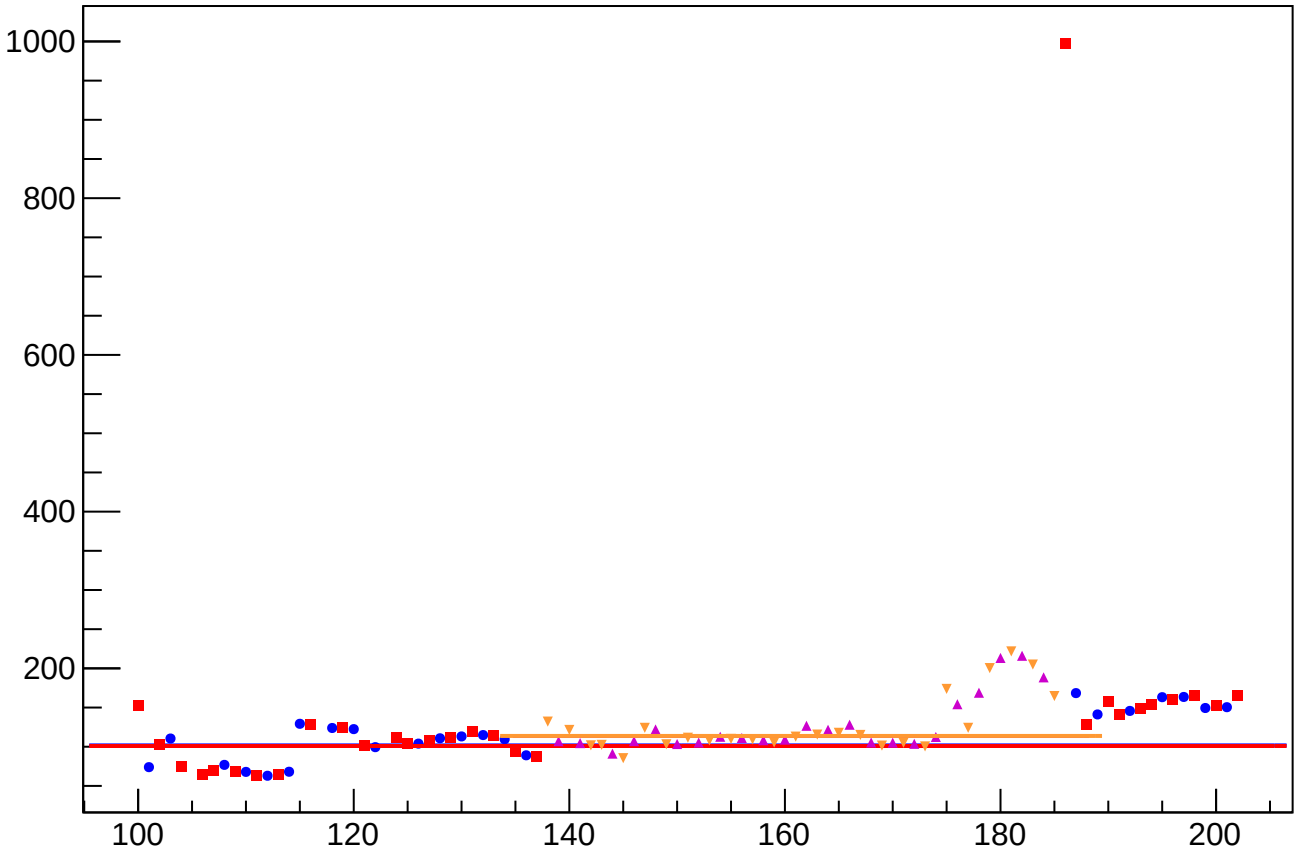
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 20.803+/-20.840 χ^2/NDF: 54.9/51

In: 31.801+/-20.361 χ^2/NDF:44.4/45

Out: 32.660+/-19.473 χ^2/NDF:61.1/53

All: 32.250+/-14.073 χ^2/NDF: 105.5/99



Right In: 101.659+/-0.022 χ^2/NDF: 2156730.3/22

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 100.935+/-0.020 χ^2/NDF: 3533475.7/28

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

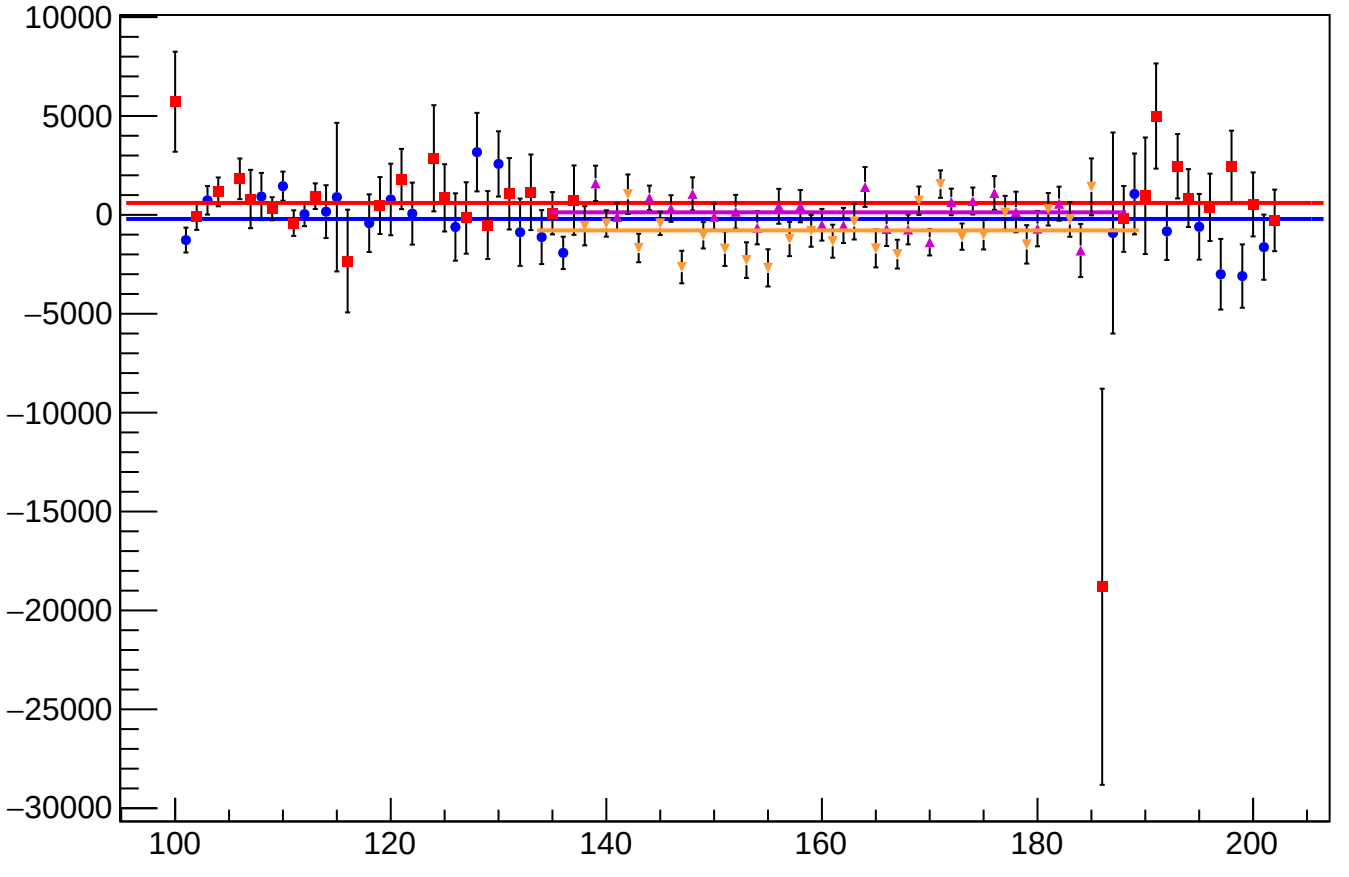
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 101.273+/-0.015 χ^2/NDF: 5690806.1/51

In: 108.325+/-0.014 χ^2/NDF:3644877.2/45

Out: 107.790+/-0.014 χ^2/NDF:5329442.0/53

All: 108.045+/-0.010 χ^2/NDF: 8975041.3/99



Right In: -206.848+/-242.198 χ^2/NDF: 29.1/22

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 602.771+/-223.054 χ^2/NDF: 23.1/28

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

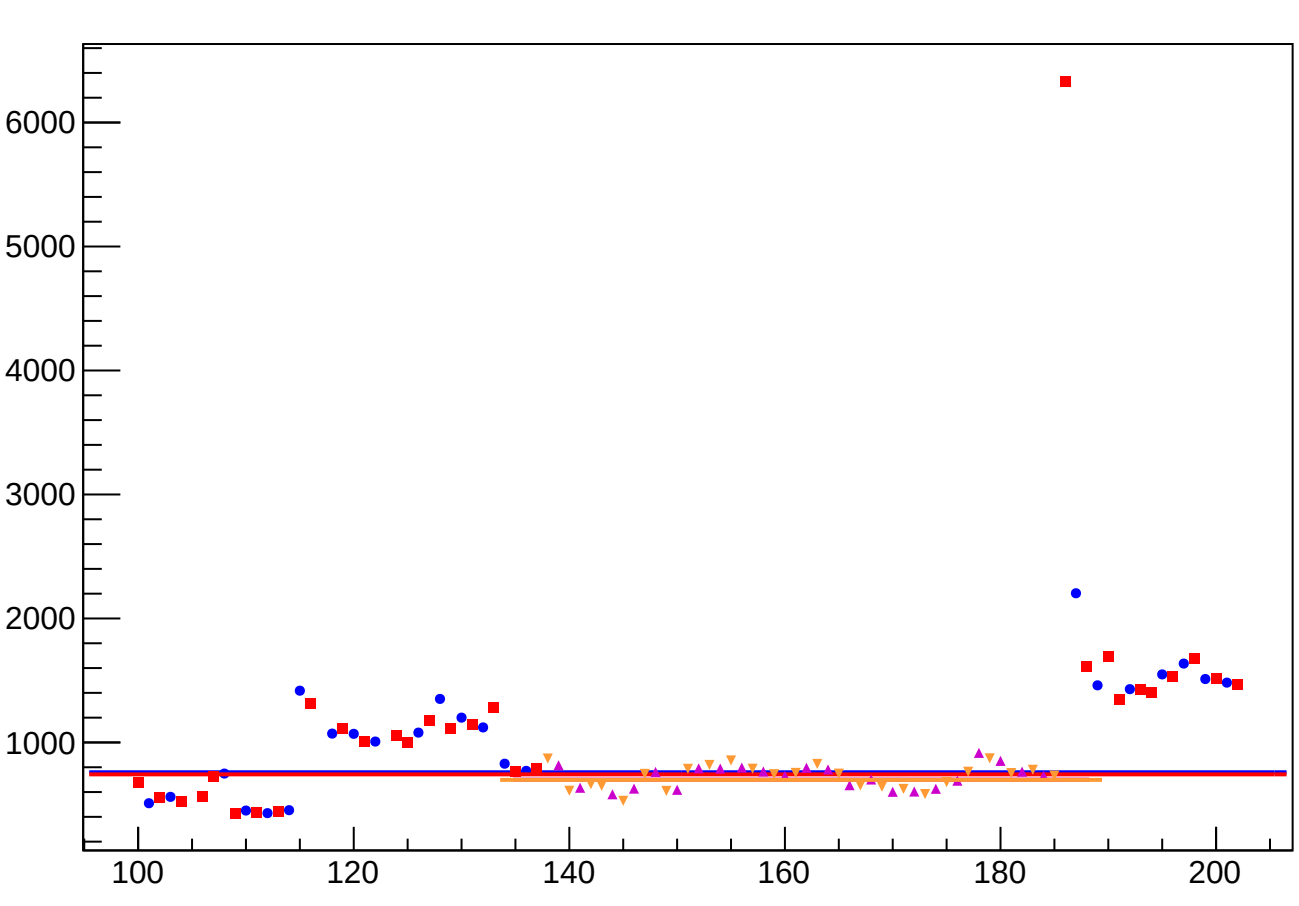
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 231.220+/-164.074 χ^2/NDF: 58.3/51

In: 21.737+/-136.507 χ^2/NDF:53.2/45

Out: -311.182+/-130.269 χ^2/NDF:94.0/53

All: -152.503+/-94.242 χ^2/NDF: 150.3/99



Right In: 759.477+/-0.171 χ^2/NDF: 4842391.2/22

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 742.757+/-0.158 χ^2/NDF: 6763907.7/28

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

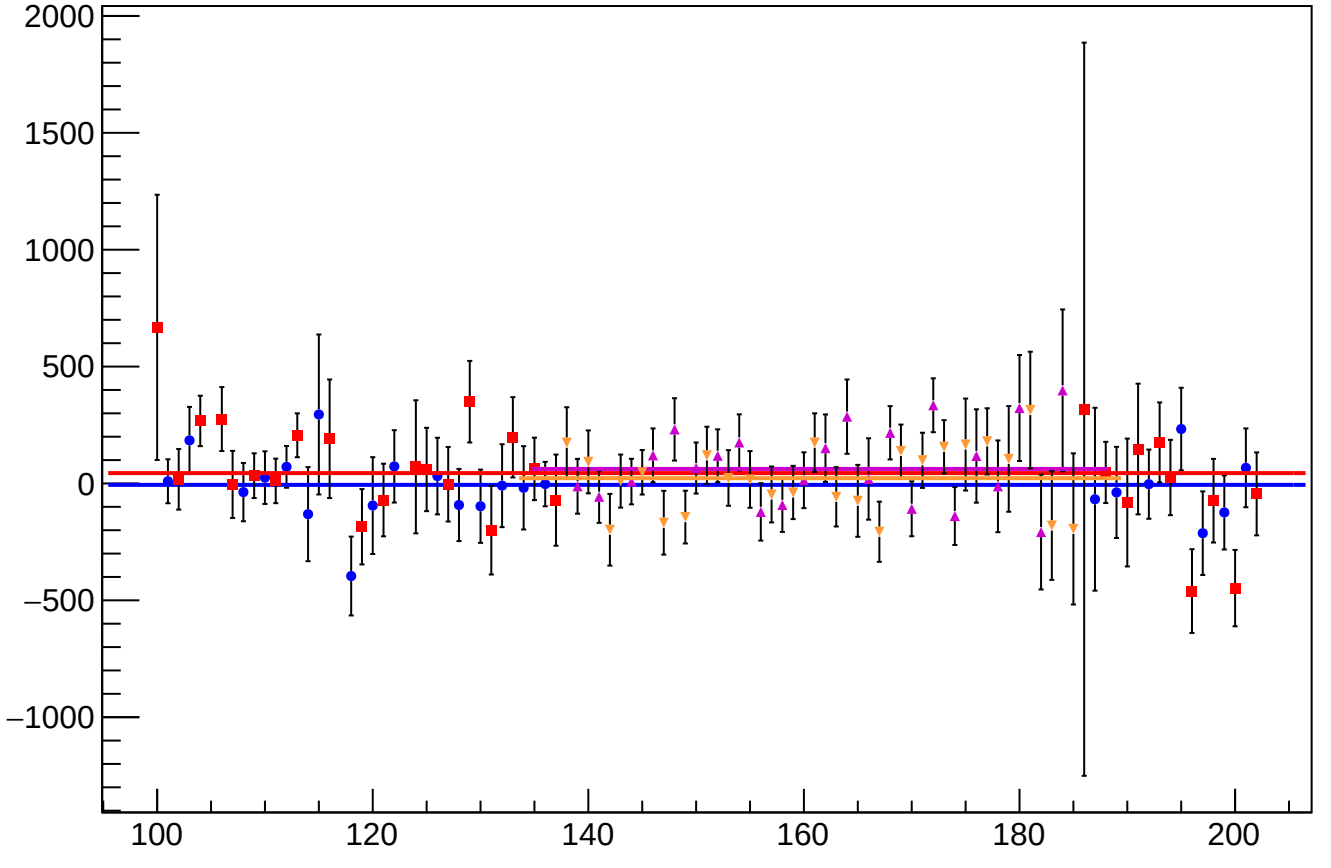
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 750.430+/-0.116 χ^2/NDF: 11611455.9/51

In: 718.948+/-0.097 χ^2/NDF:5508787.5/45

Out: 713.422+/-0.092 χ^2/NDF:7531093.6/53

All: 716.056+/-0.067 χ^2/NDF: 13041596.1/99



Right In: -6.024+/-30.512 χ^2/NDF: 14.3/22

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 44.264+/-28.533 χ^2/NDF: 39.2/28

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

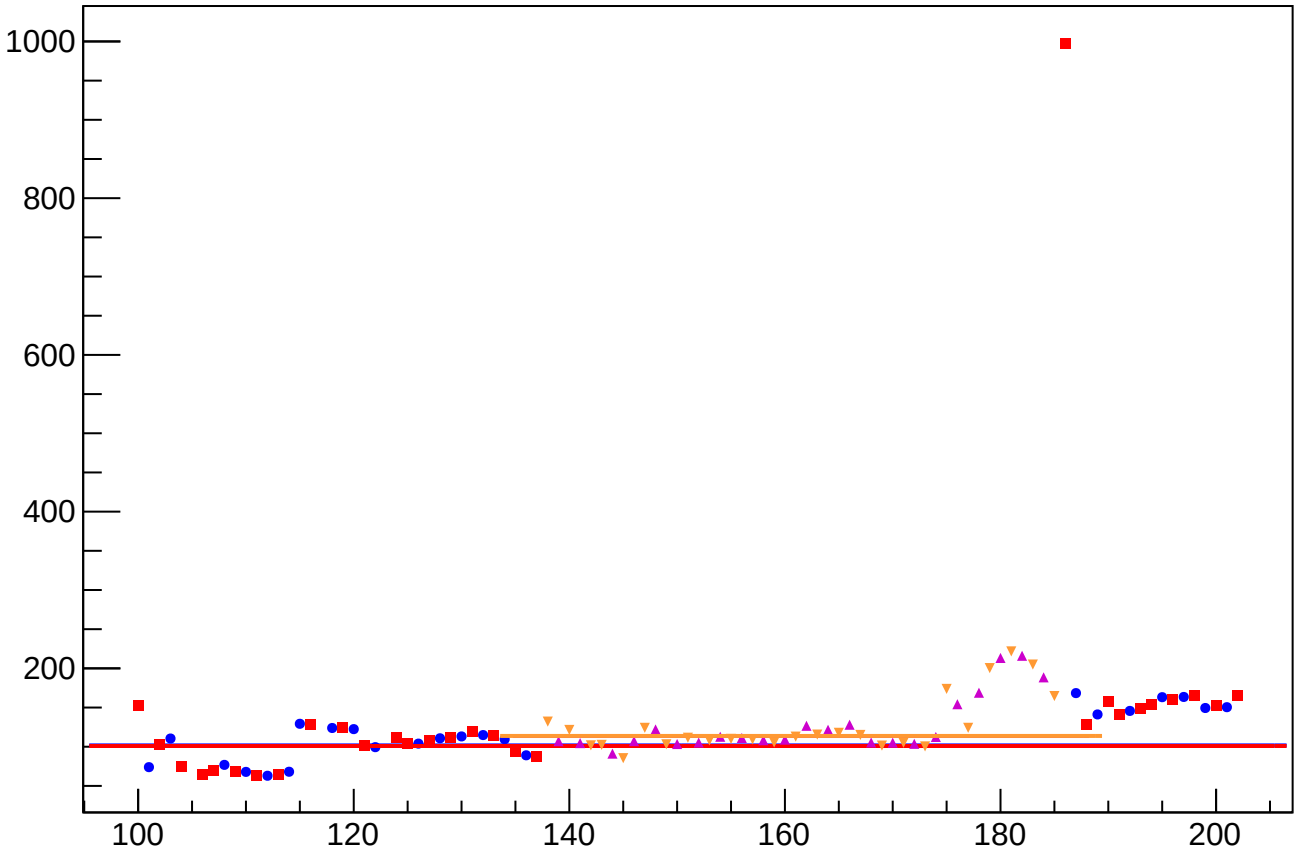
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 20.803+/-20.840 χ^2/NDF: 54.9/51

In: 31.801+/-20.361 χ^2/NDF:44.4/45

Out: 32.661+/-19.473 χ^2/NDF:61.1/53

All: 32.250+/-14.073 χ^2/NDF: 105.5/99



Right In: 101.659+/-0.022 χ^2/NDF: 2156720.8/22

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 100.935+/-0.020 χ^2/NDF: 3533481.2/28

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

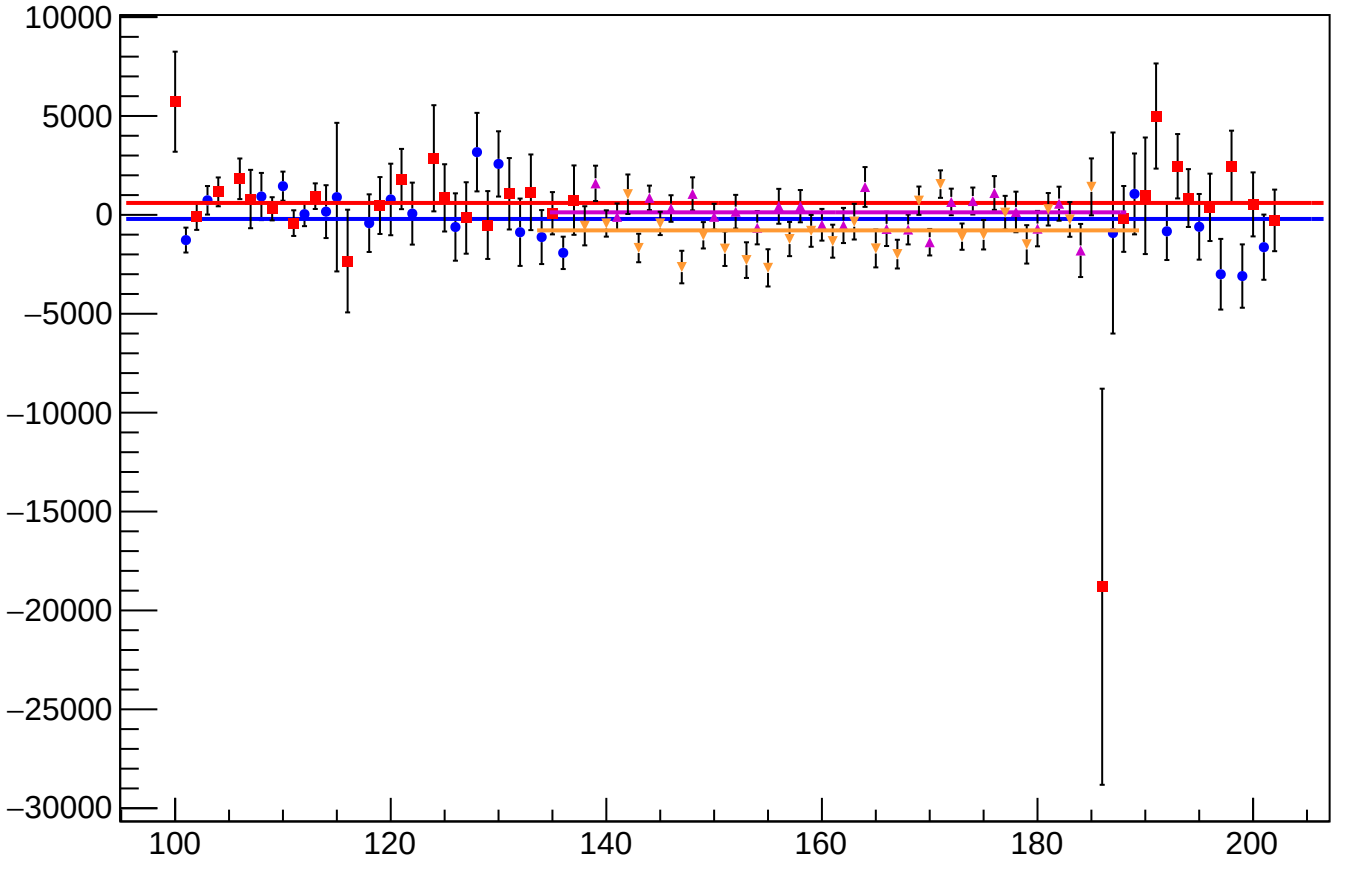
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 101.273+/-0.015 χ^2/NDF: 5690802.1/51

In: 108.325+/-0.014 χ^2/NDF:3644852.4/45

Out: 107.790+/-0.014 χ^2/NDF:5329443.1/53

All: 108.045+/-0.010 χ^2/NDF: 8975017.6/99



Right In: -206.848+/-242.198 χ^2/NDF: 29.1/22

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 602.771+/-223.053 χ^2/NDF: 23.1/28

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

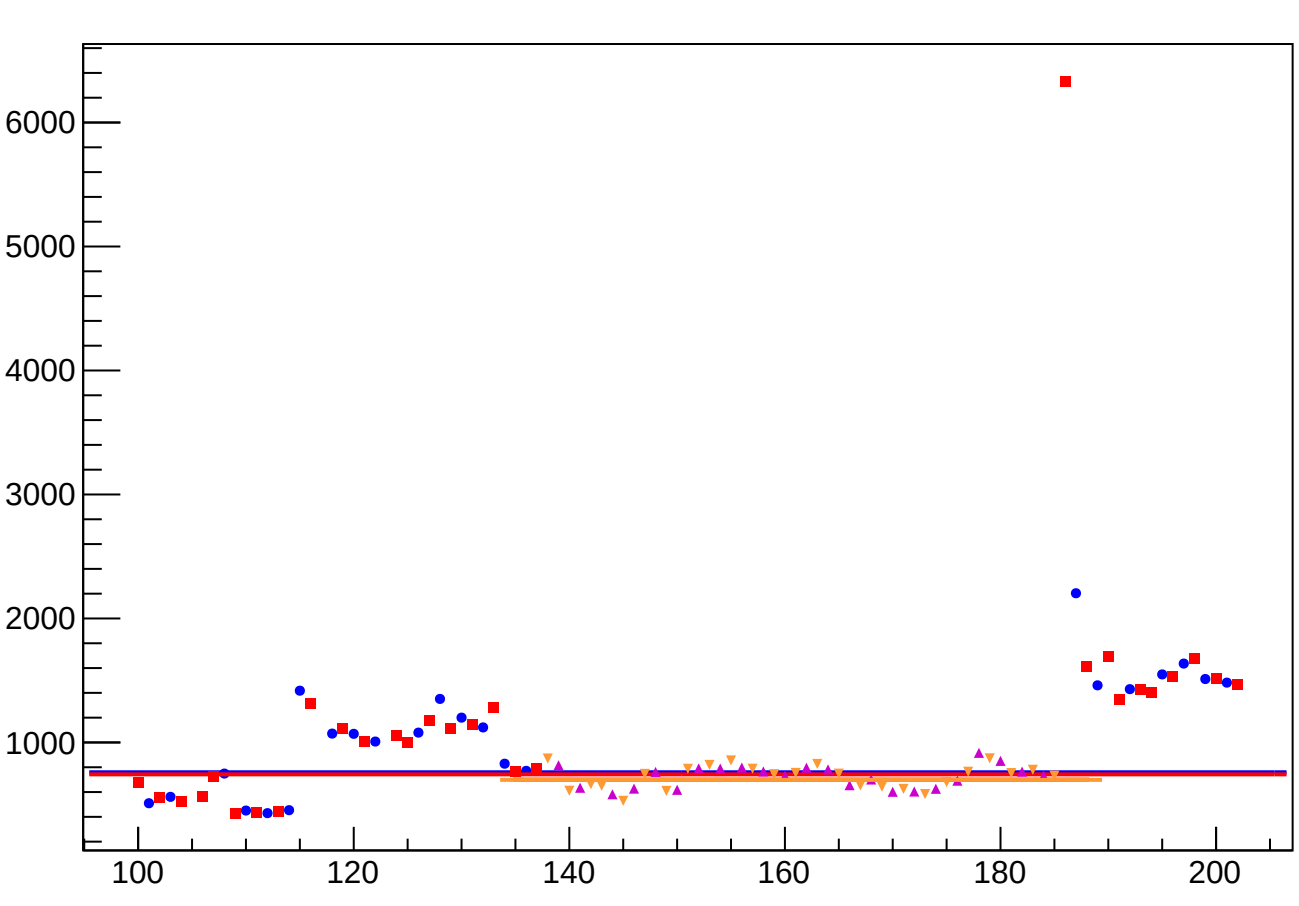
Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

Right: 231.220+/-164.074 χ^2/NDF: 58.3/51

In: 21.736+/-136.507 χ^2/NDF:53.2/45

Out: -311.181+/-130.269 χ^2/NDF:94.0/53

All: -152.503+/-94.242 χ^2/NDF: 150.3/99



Right In: 759.476+/-0.171 χ^2/NDF: 4842392.7/22

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 742.756+/-0.158 χ^2/NDF: 6763903.8/28

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

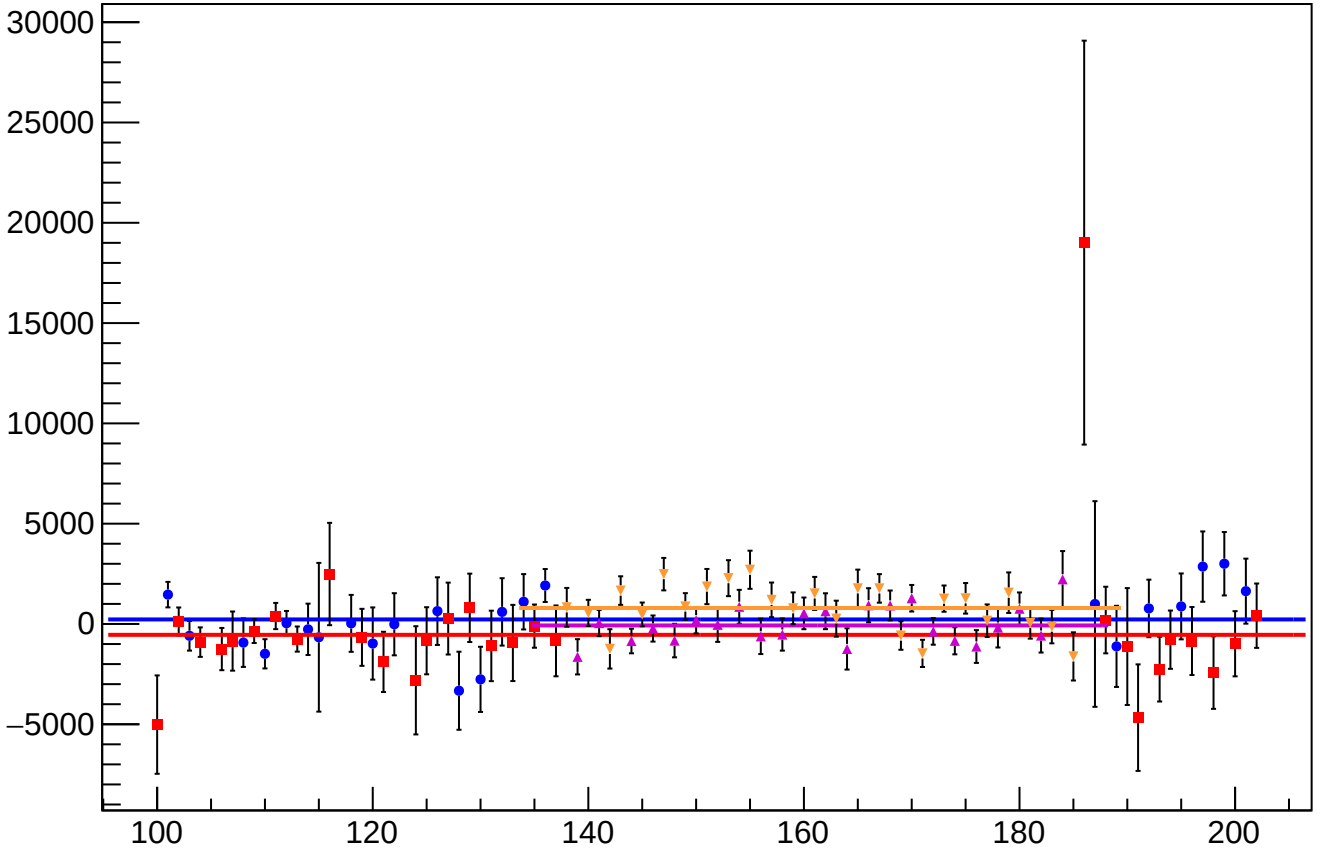
Right: 750.429+/-0.116 χ^2/NDF: 11611453.6/51

In: 718.947+/-0.097 χ^2/NDF:5508783.8/45

Out: 713.421+/-0.092 χ^2/NDF:7531088.1/53

All: 716.055+/-0.067 χ^2/NDF: 13041587.0/99

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 226.333+/-242.093 χ^2/NDF: 30.6/22

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -542.014+/-222.987 χ^2/NDF: 20.5/28

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

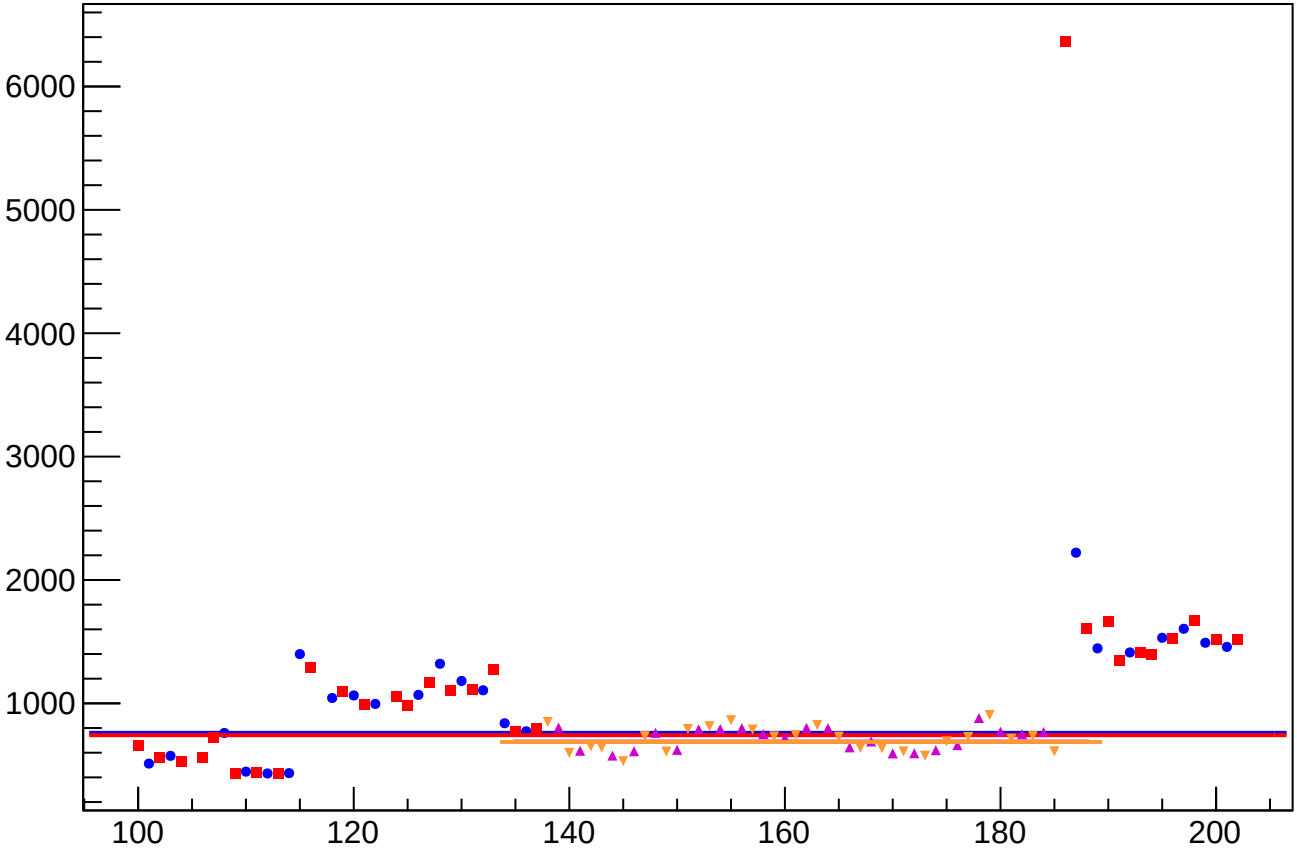
Right: -189.351+/-164.015 χ^2/NDF: 56.5/51

In: 19.929+/-135.140 χ^2/NDF:56.5/45

Out: 348.841+/-128.995 χ^2/NDF:90.9/53

All: 192.033+/-93.310 χ^2/NDF: 150.5/99

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 760.970+/-0.171 χ^2/NDF: 4721035.8/22

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 742.093+/-0.158 χ^2/NDF: 6740295.8/28

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

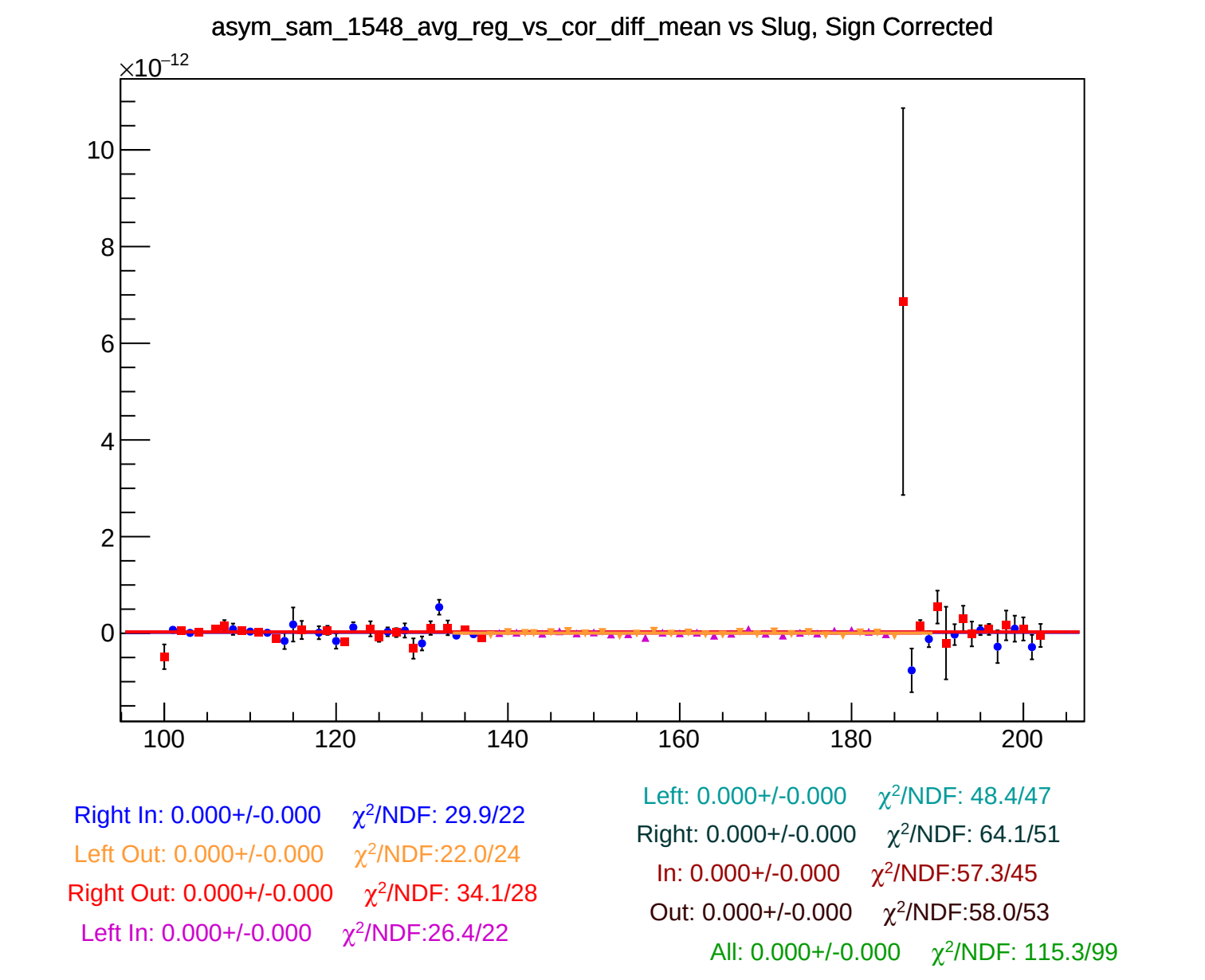
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

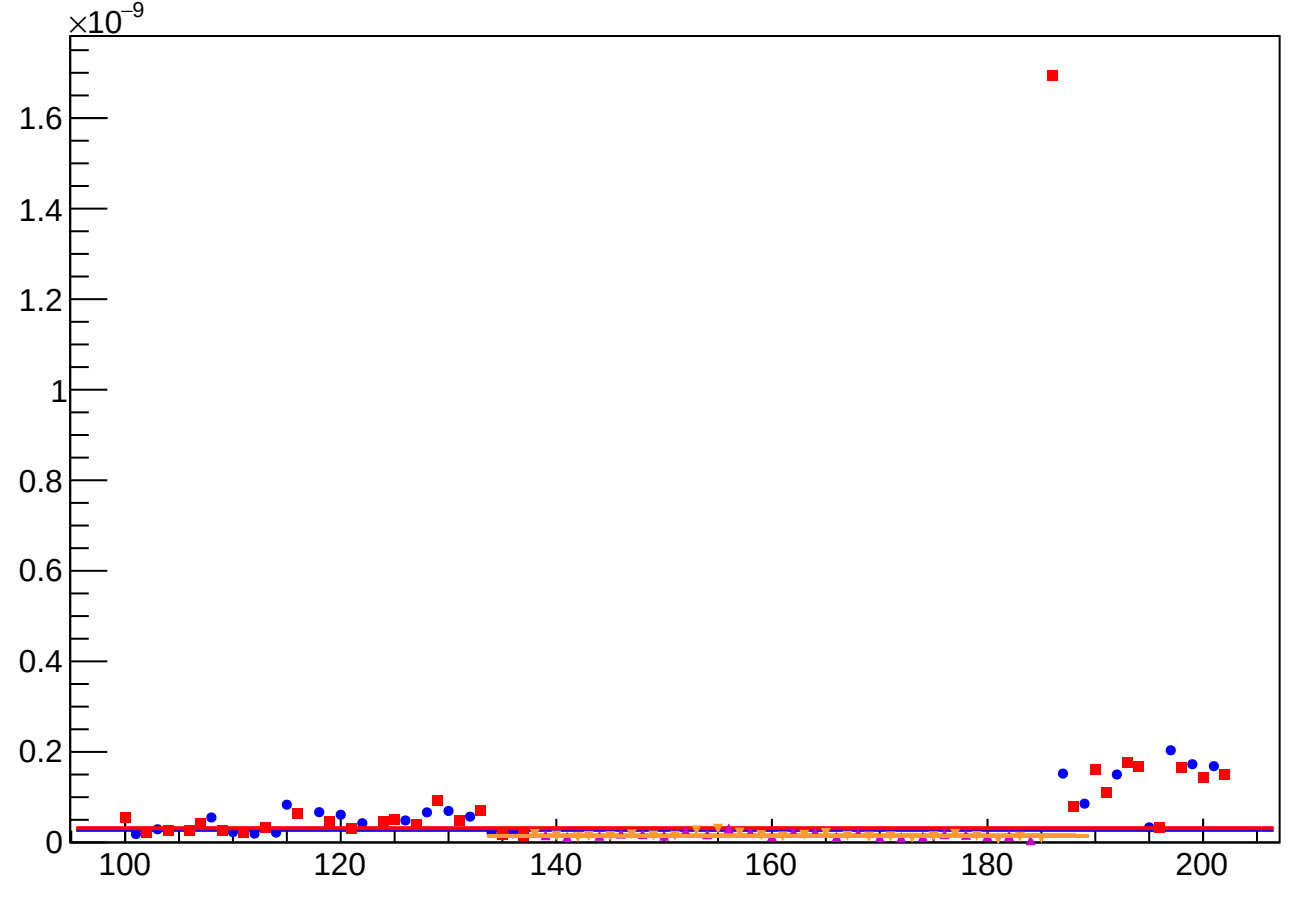
Right: 750.757+/-0.116 χ^2/NDF: 11467910.2/51

In: 712.112+/-0.096 χ^2/NDF:5406453.4/45

Out: 705.598+/-0.091 χ^2/NDF:7548804.8/53

All: 708.704+/-0.066 χ^2/NDF: 12957689.9/99


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 29.9/22
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.1/28
Left In: 0.000+/-0.000 χ²/NDF:26.4/22
Left: 0.000+/-0.000 χ²/NDF: 48.4/47
Right: 0.000+/-0.000 χ²/NDF: 64.1/51
In: 0.000+/-0.000 χ²/NDF:57.3/45
Out: 0.000+/-0.000 χ²/NDF:58.0/53
All: 0.000+/-0.000 χ²/NDF: 115.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 4145111.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4570823.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

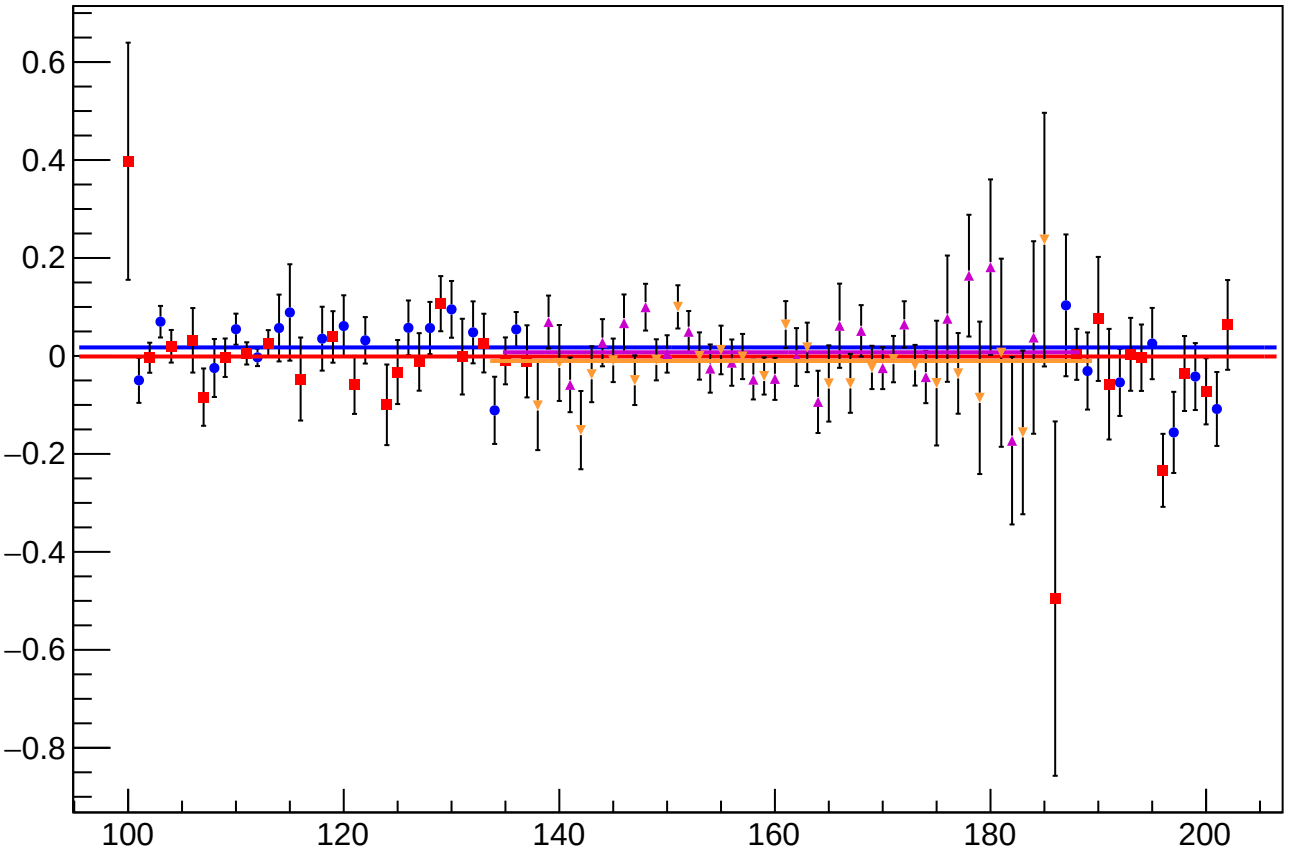
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 8771880.6/51

In: 0.000+/-0.000 χ^2/NDF:6502753.3/45

Out: 0.000+/-0.000 χ^2/NDF:7664384.4/53

All: 0.000+/-0.000 χ^2/NDF: 14187870.2/99



Right In: 0.017+/-0.010 χ^2/NDF: 26.9/22

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.001+/-0.010 χ^2/NDF: 28.0/28

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

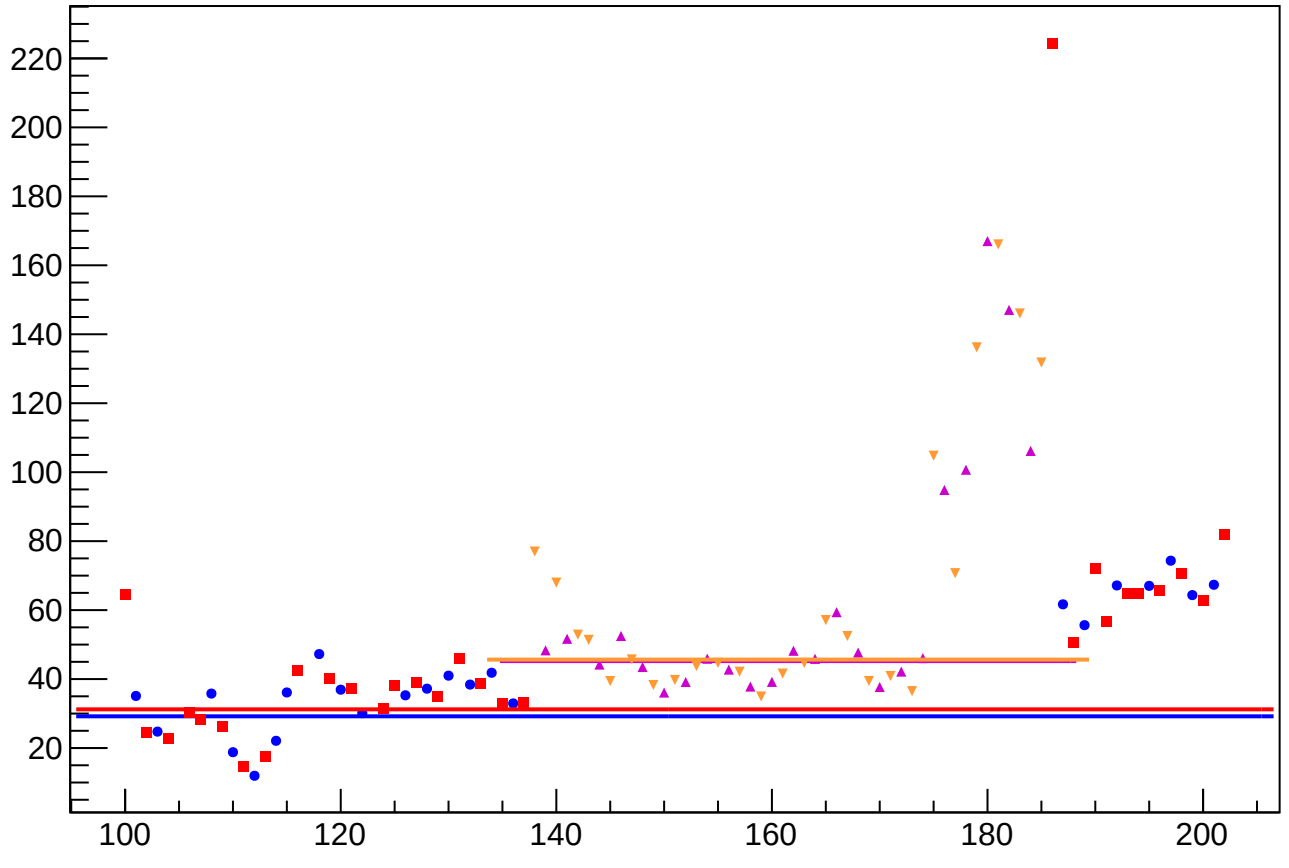
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.008+/-0.007 χ^2/NDF: 56.7/51

In: 0.013+/-0.007 χ^2/NDF:50.6/45

Out: -0.005+/-0.007 χ^2/NDF:46.4/53

All: 0.004+/-0.005 χ^2/NDF: 100.1/99



Right In: 29.202+/-0.007 χ^2/NDF: 5786054.3/22

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 31.224+/-0.007 χ^2/NDF: 6271489.6/28

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

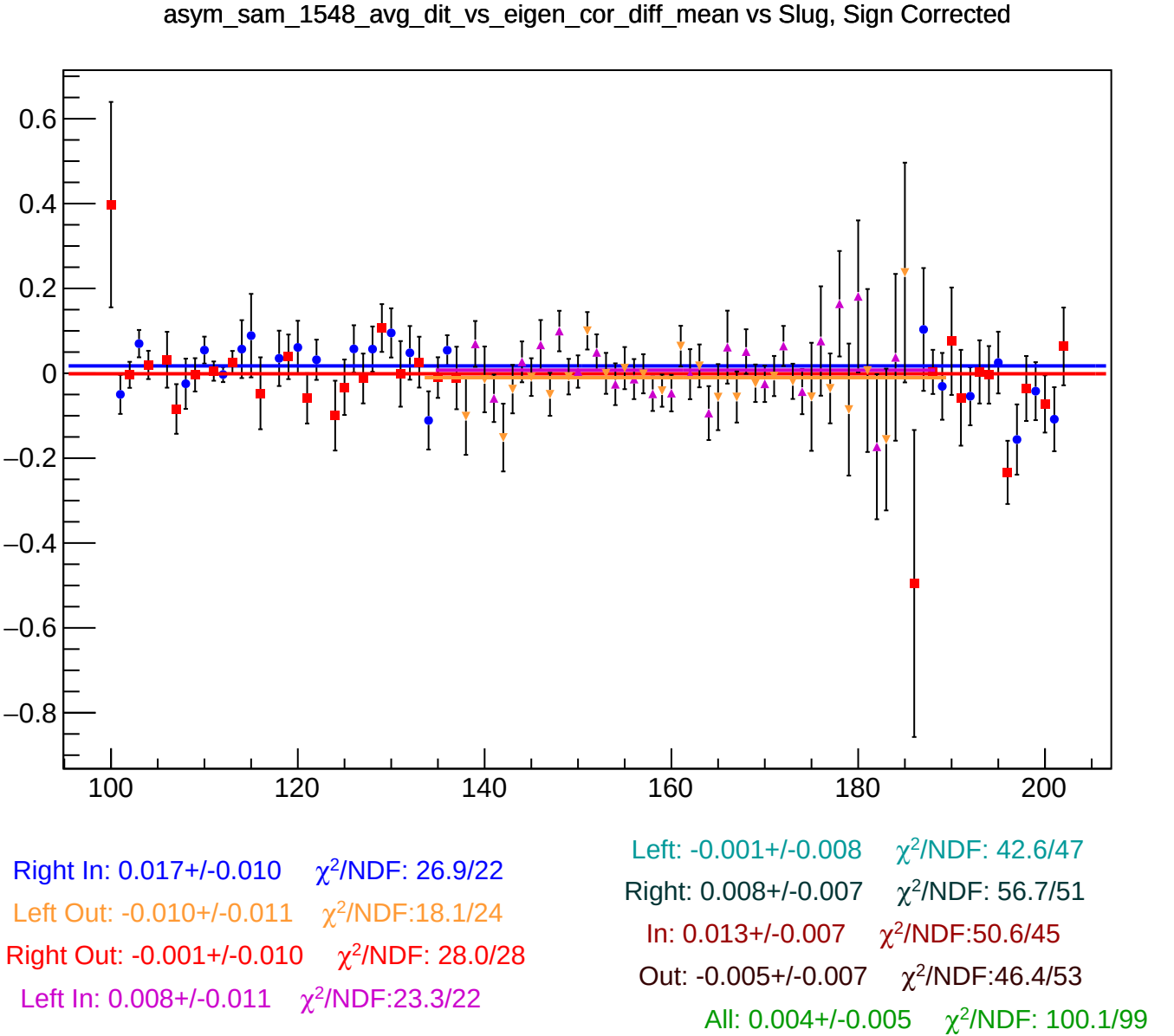
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 30.235+/-0.005 χ^2/NDF: 12101295.8/51

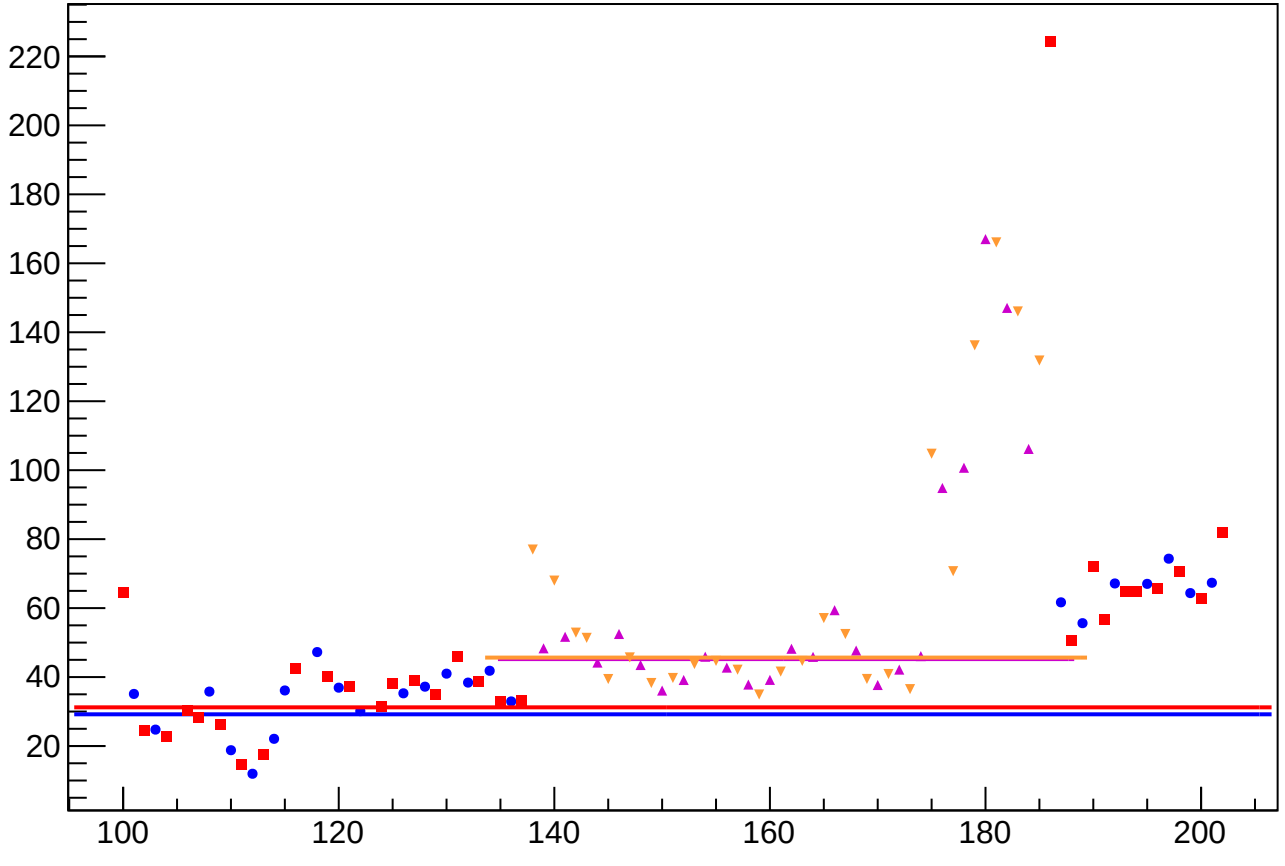
In: 35.975+/-0.005 χ^2/NDF:11050074.1/45

Out: 37.257+/-0.005 χ^2/NDF:12191679.3/53

All: 36.628+/-0.004 χ^2/NDF: 23272090.9/99


asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.017+/-0.010 χ²/NDF: 26.9/22
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.001+/-0.010 χ²/NDF: 28.0/28
Left In: 0.008+/-0.011 χ²/NDF:23.3/22
Left: -0.001+/-0.008 χ²/NDF: 42.6/47
Right: 0.008+/-0.007 χ²/NDF: 56.7/51
In: 0.013+/-0.007 χ²/NDF:50.6/45
Out: -0.005+/-0.007 χ²/NDF:46.4/53
All: 0.004+/-0.005 χ²/NDF: 100.1/99

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.202+/-0.007 χ^2/NDF: 5786054.3/22

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 31.224+/-0.007 χ^2/NDF: 6271489.6/28

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

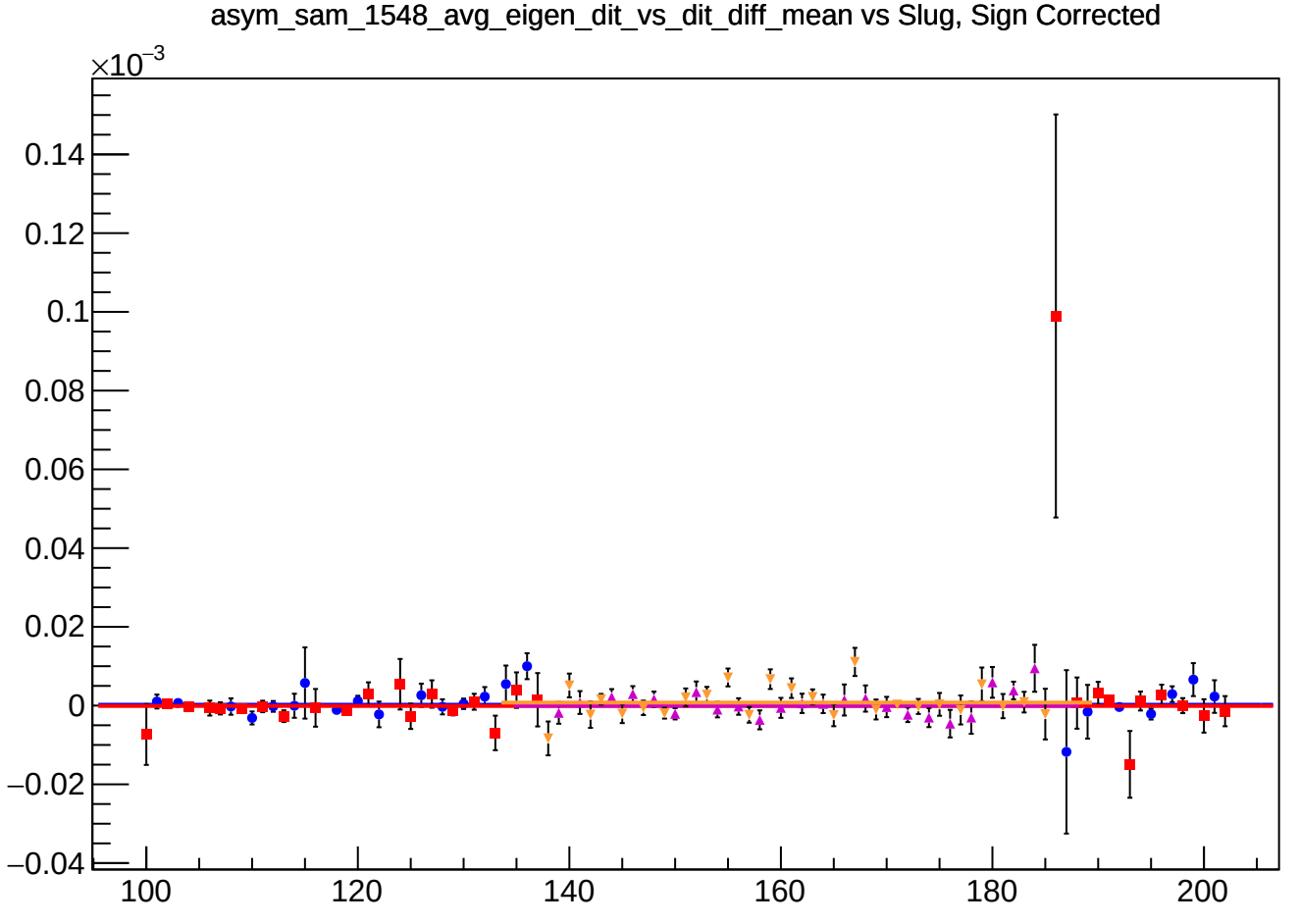
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 30.235+/-0.005 χ^2/NDF: 12101295.8/51

In: 35.975+/-0.005 χ^2/NDF:11050074.1/45

Out: 37.257+/-0.005 χ^2/NDF:12191679.3/53

All: 36.628+/-0.004 χ^2/NDF: 23272090.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/28

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

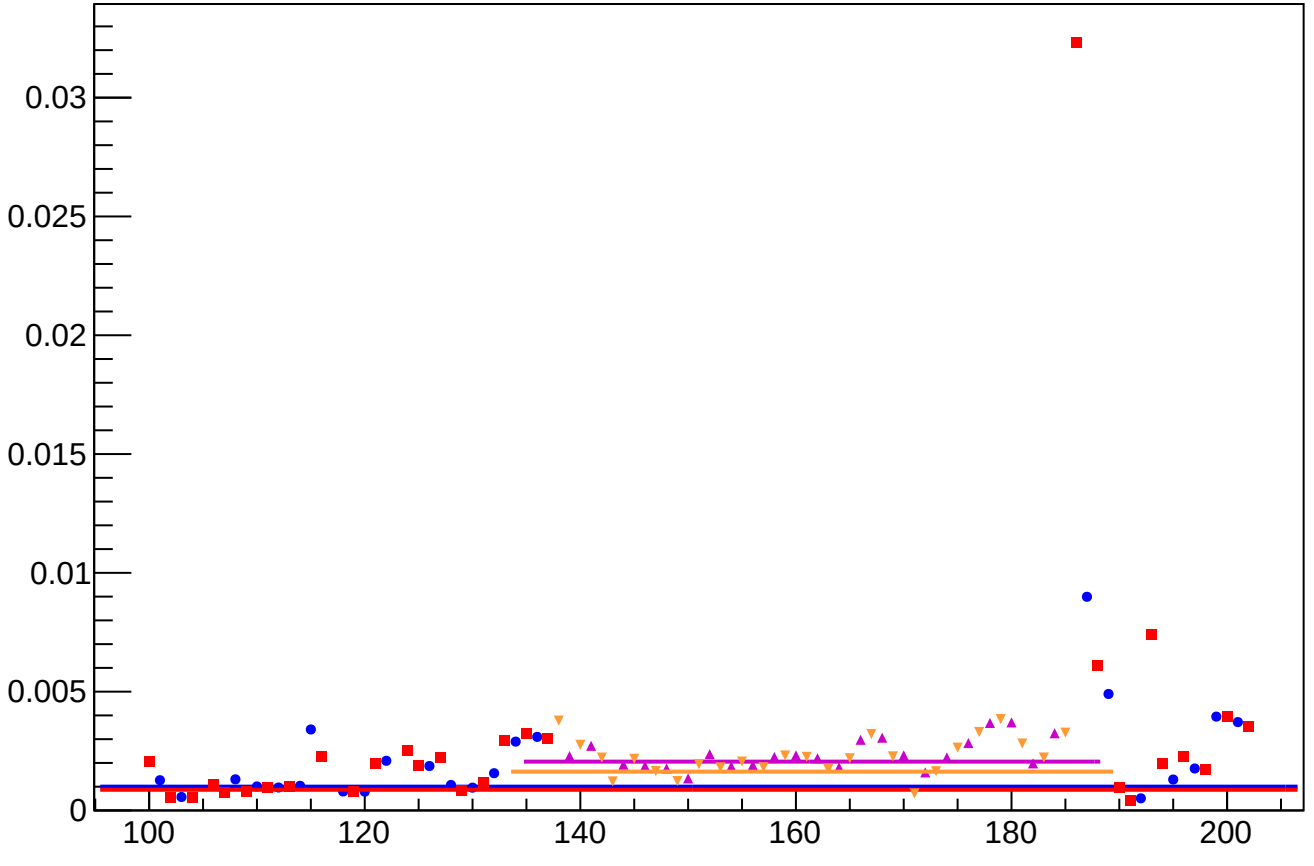
Right: 0.000+/-0.000 χ^2/NDF: 54.6/51

In: 0.000+/-0.000 χ^2/NDF:51.8/45

Out: 0.000+/-0.000 χ^2/NDF:76.0/53

All: 0.000+/-0.000 χ^2/NDF: 127.8/99

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6298984.2/22

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10691447.2/28

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

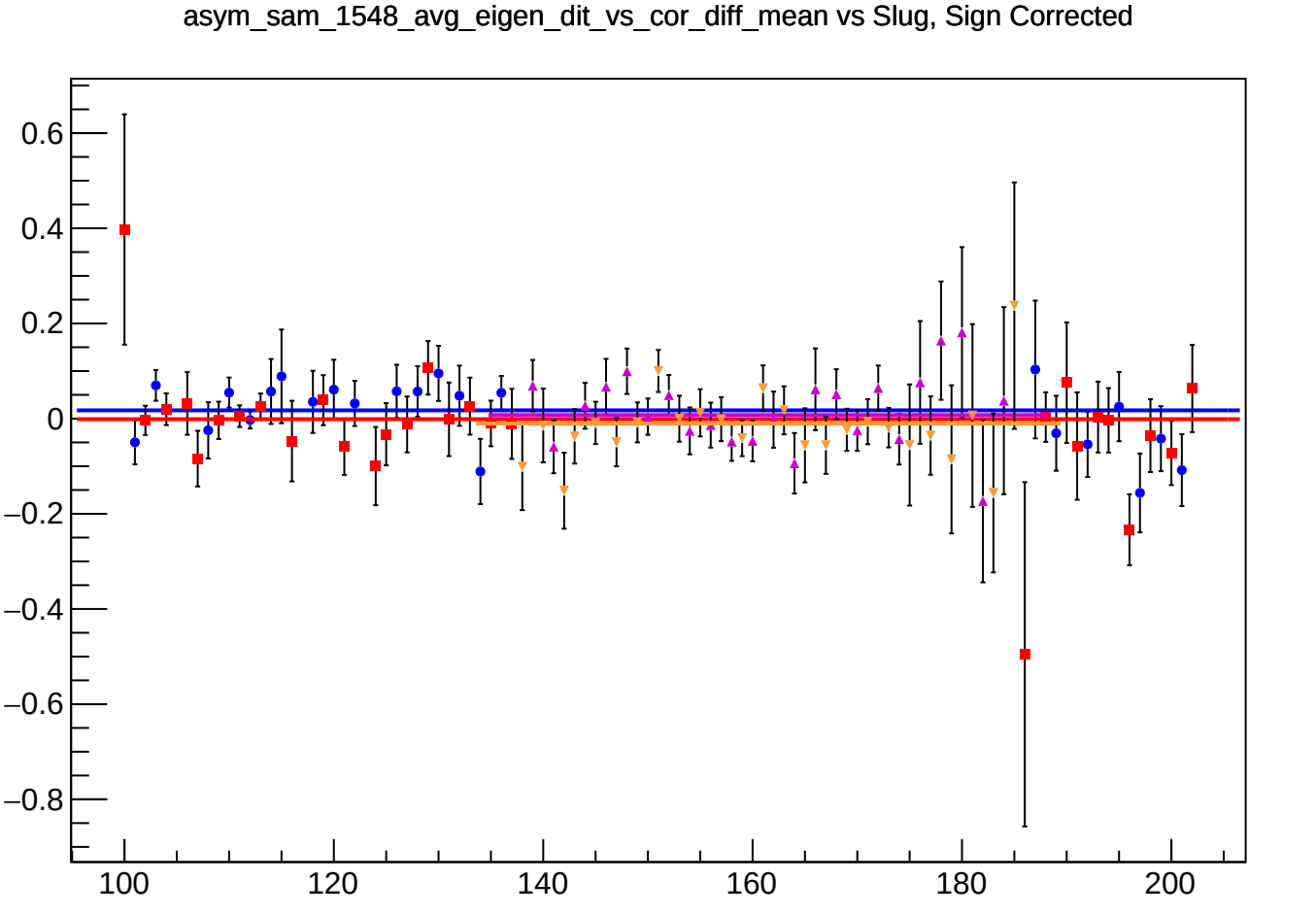
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 17150309.6/51

In: 0.001+/-0.000 χ^2/NDF:14275508.8/45

Out: 0.001+/-0.000 χ^2/NDF:21677261.2/53

All: 0.001+/-0.000 χ^2/NDF: 36612923.6/99



Right In: 0.017+/-0.010 χ^2/NDF: 26.9/22

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.001+/-0.010 χ^2/NDF: 28.0/28

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

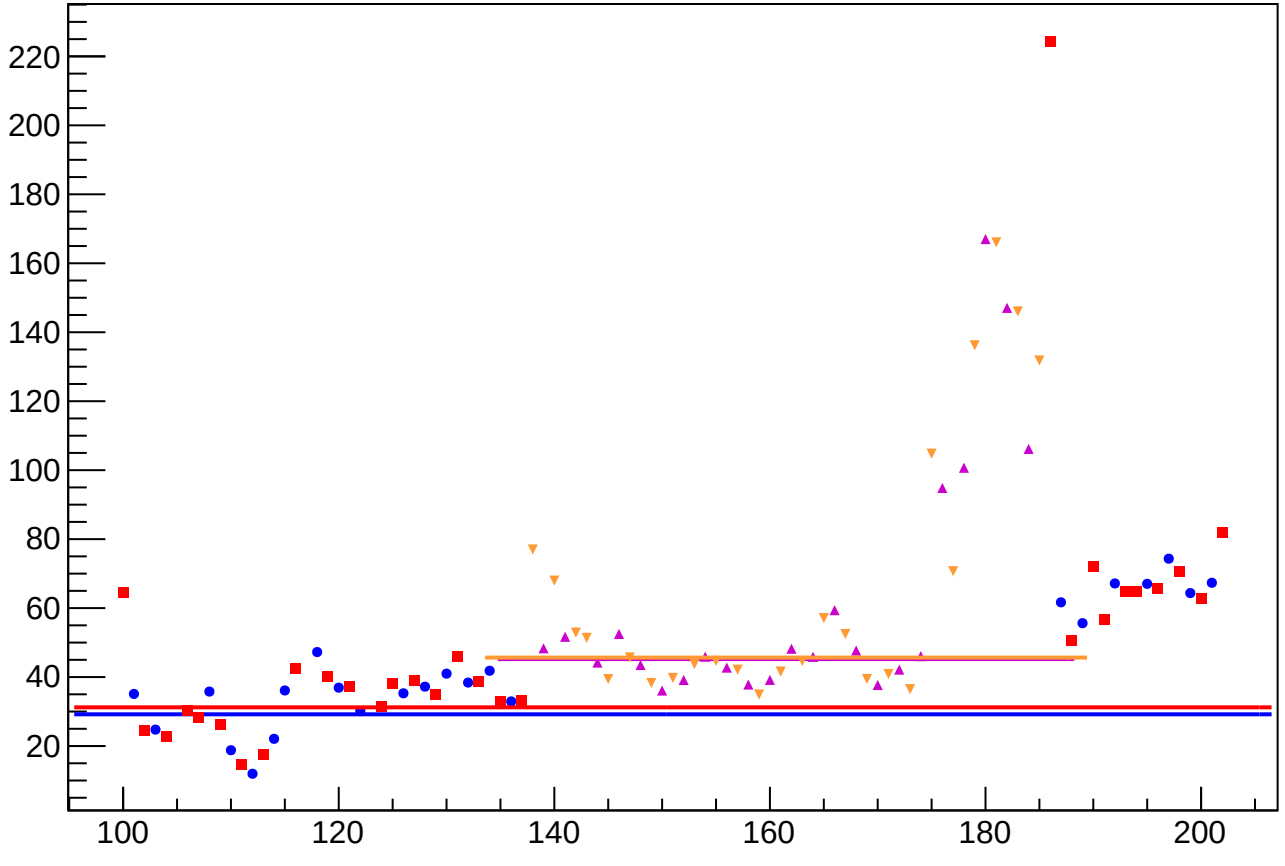
Right: 0.008+/-0.007 χ^2/NDF: 56.7/51

In: 0.013+/-0.007 χ^2/NDF:50.6/45

Out: -0.005+/-0.007 χ^2/NDF:46.4/53

All: 0.004+/-0.005 χ^2/NDF: 100.1/99

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.201+/-0.007 χ^2/NDF: 5786288.1/22

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 31.223+/-0.007 χ^2/NDF: 6271723.9/28

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

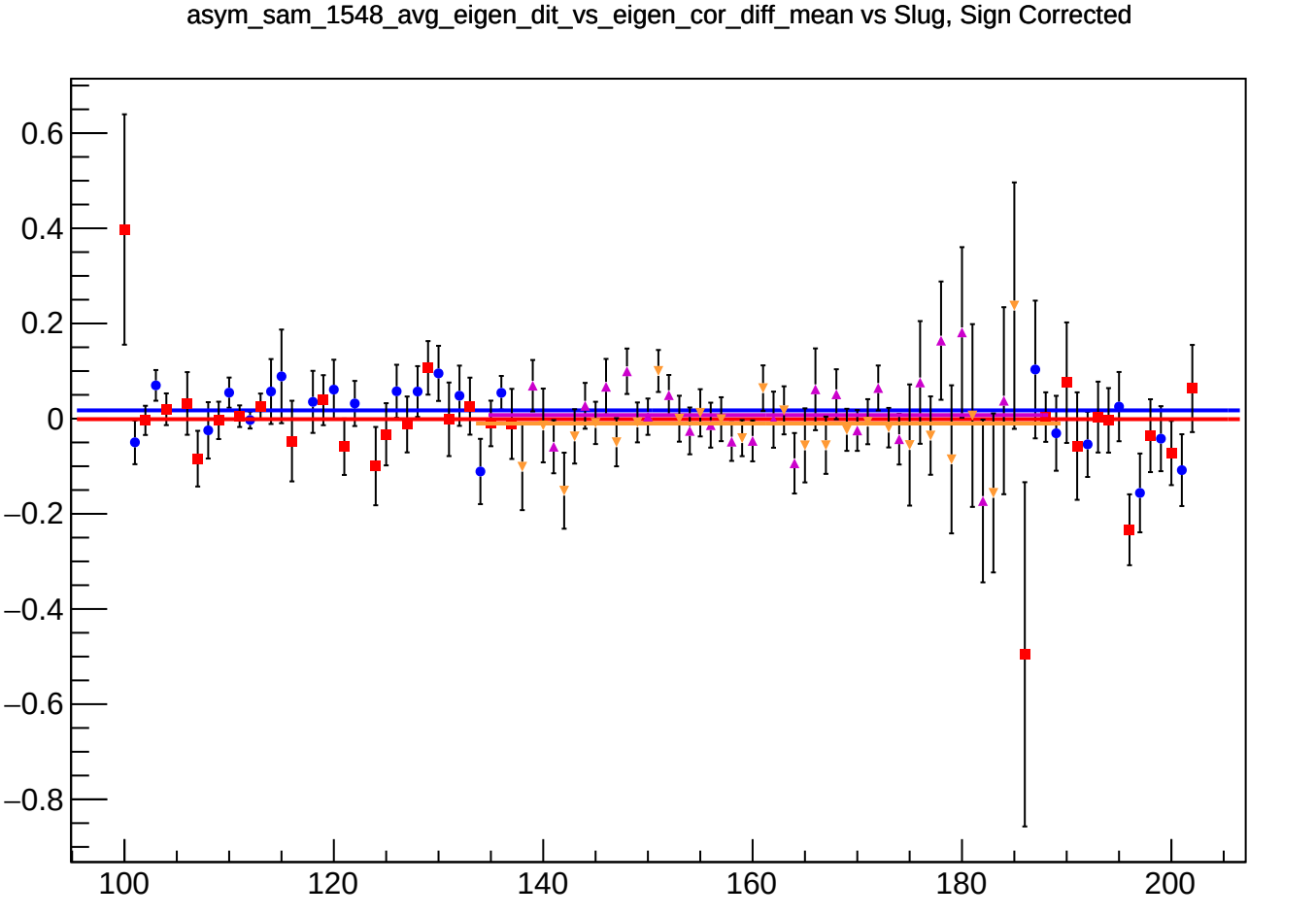
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 30.235+/-0.005 χ^2/NDF: 12101771.7/51

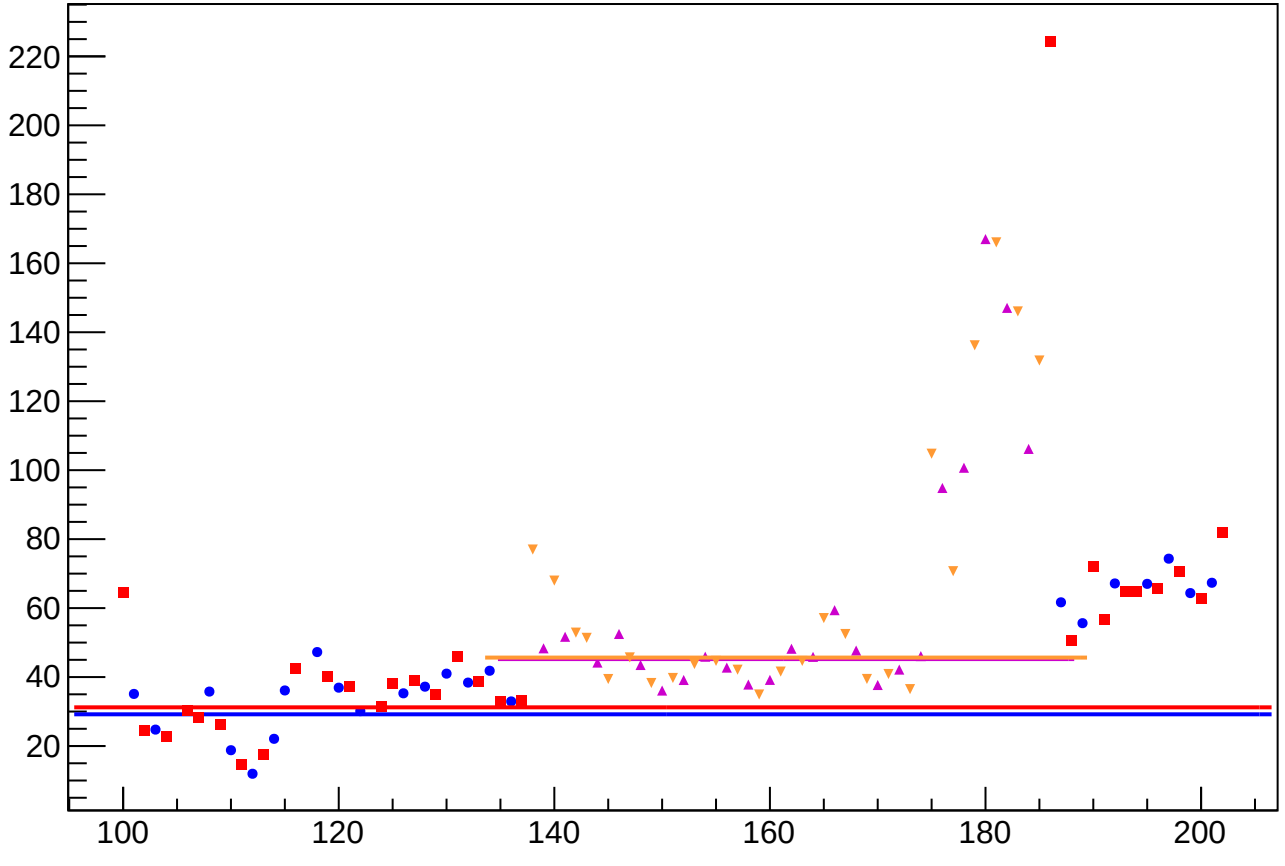
In: 35.975+/-0.005 χ^2/NDF:11050524.8/45

Out: 37.257+/-0.005 χ^2/NDF:12192056.9/53

All: 36.627+/-0.004 χ^2/NDF: 23272925.7/99


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.017+/-0.010 χ²/NDF: 26.9/22
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.001+/-0.010 χ²/NDF: 28.0/28
Left In: 0.008+/-0.011 χ²/NDF:23.3/22
Left: -0.001+/-0.008 χ²/NDF: 42.6/47
Right: 0.008+/-0.007 χ²/NDF: 56.7/51
In: 0.013+/-0.007 χ²/NDF:50.6/45
Out: -0.005+/-0.007 χ²/NDF:46.4/53
All: 0.004+/-0.005 χ²/NDF: 100.1/99

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.201+/-0.007 χ^2/NDF: 5786288.1/22

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 31.223+/-0.007 χ^2/NDF: 6271723.9/28

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

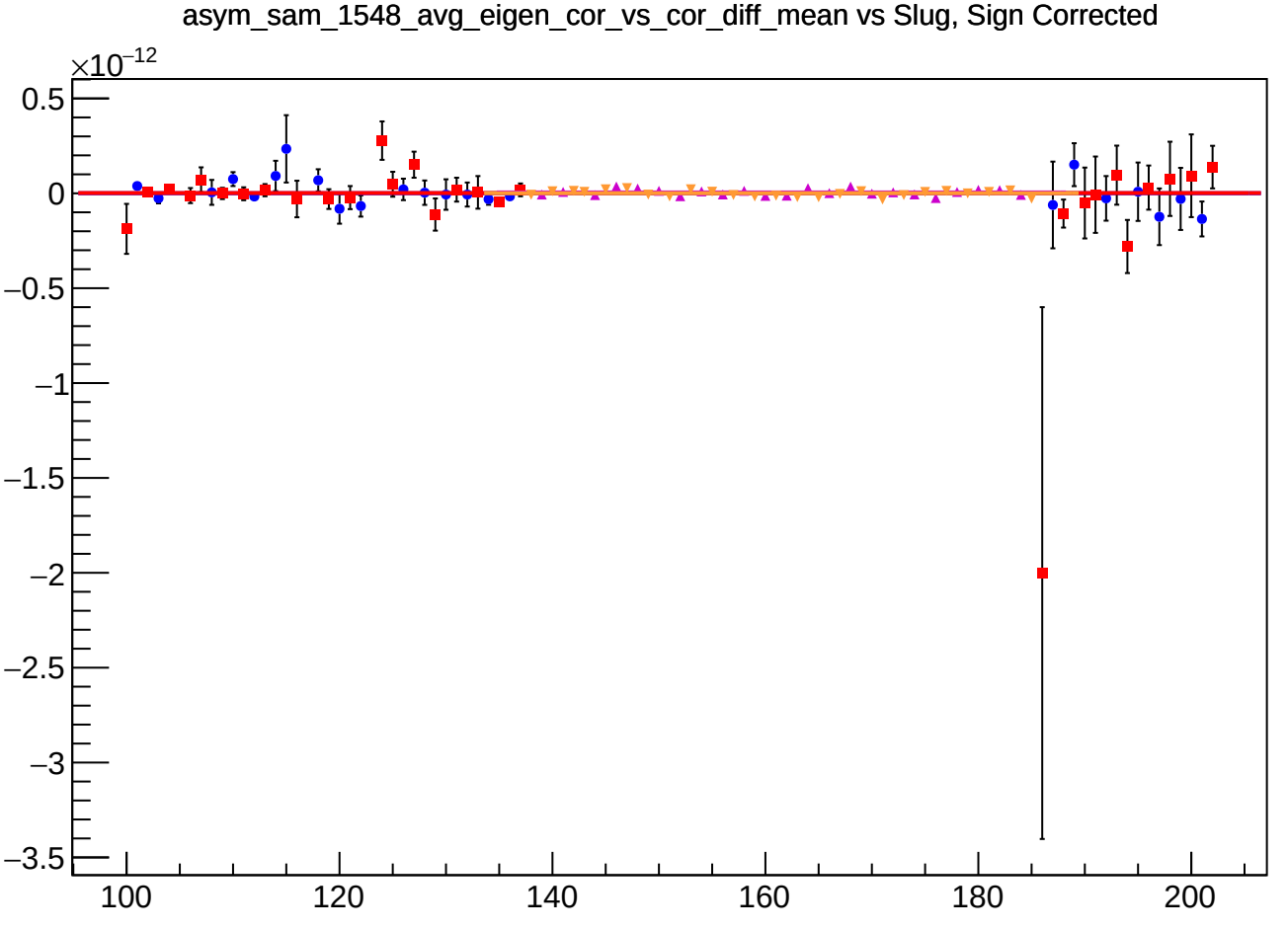
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 30.235+/-0.005 χ^2/NDF: 12101771.7/51

In: 35.975+/-0.005 χ^2/NDF:11050524.8/45

Out: 37.257+/-0.005 χ^2/NDF:12192056.9/53

All: 36.627+/-0.004 χ^2/NDF: 23272925.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/28

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

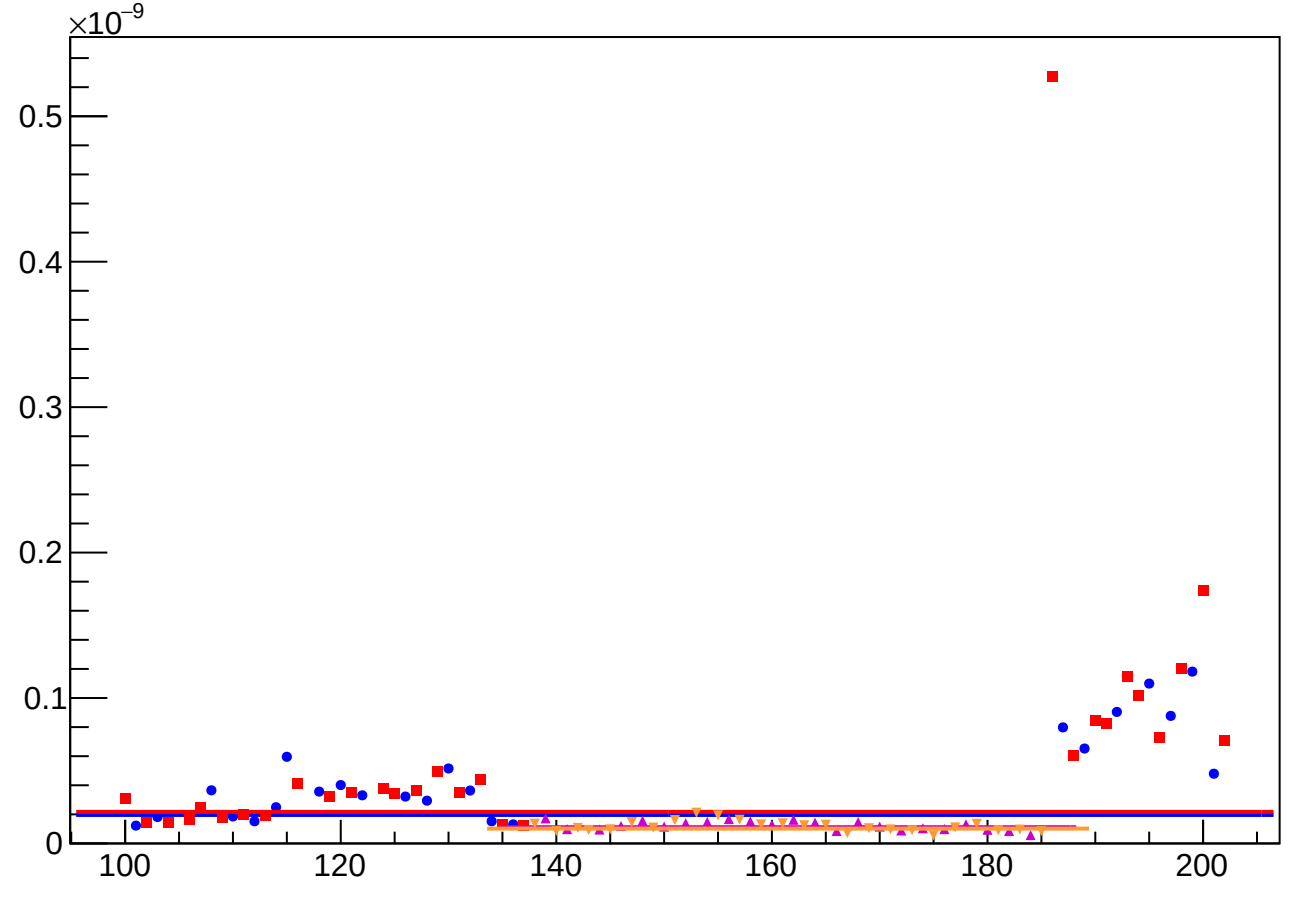
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 57.6/51

In: 0.000+/-0.000 χ^2/NDF:47.4/45

Out: 0.000+/-0.000 χ^2/NDF:59.5/53

All: 0.000+/-0.000 χ^2/NDF: 107.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 5166256.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6628377.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

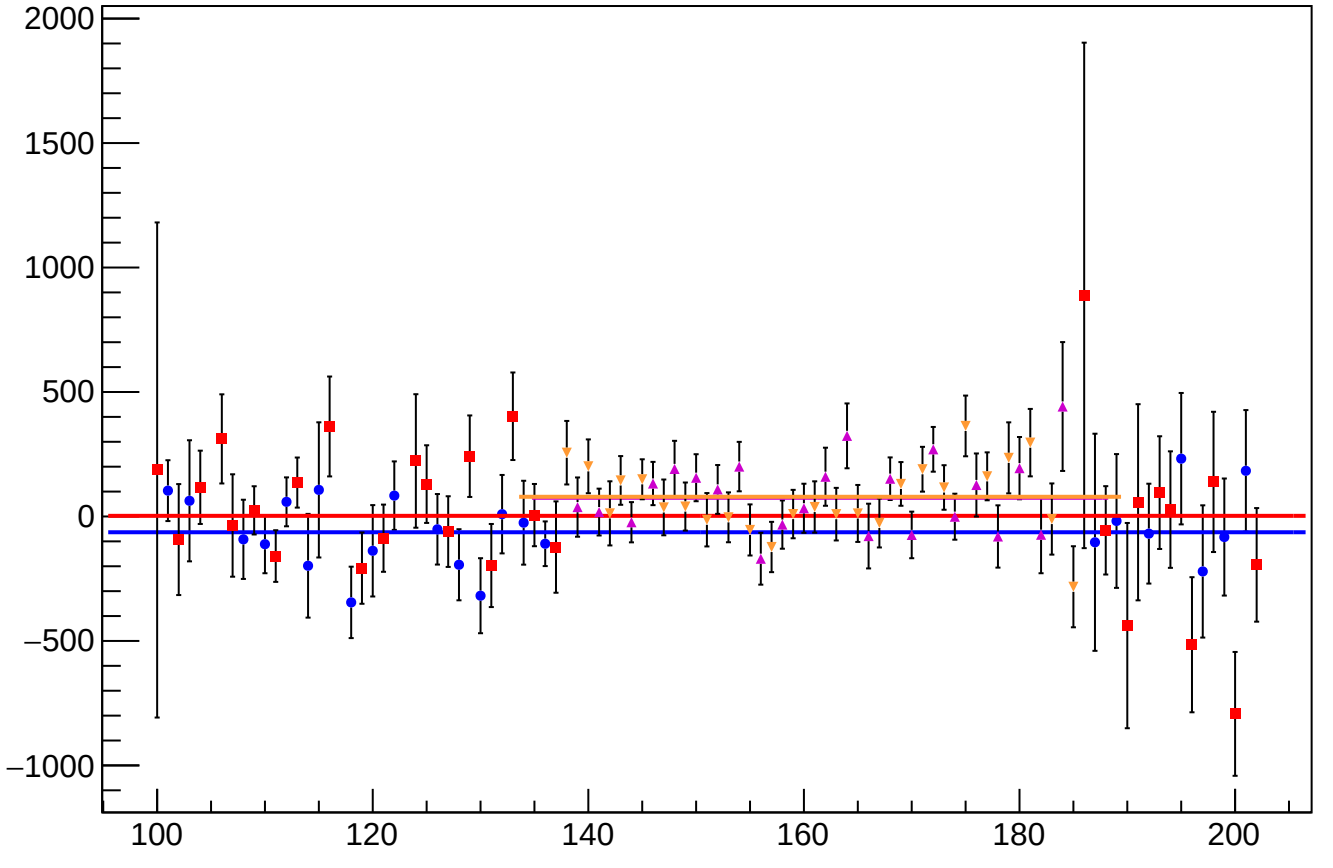
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11852922.3/51

In: 0.000+/-0.000 χ^2/NDF:8417907.6/45

Out: 0.000+/-0.000 χ^2/NDF:11883115.6/53

All: 0.000+/-0.000 χ^2/NDF: 20394986.1/99



Right In: -63.385+/-33.004 χ^2/NDF: 16.8/22

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 2.546+/-31.667 χ^2/NDF: 41.7/28

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

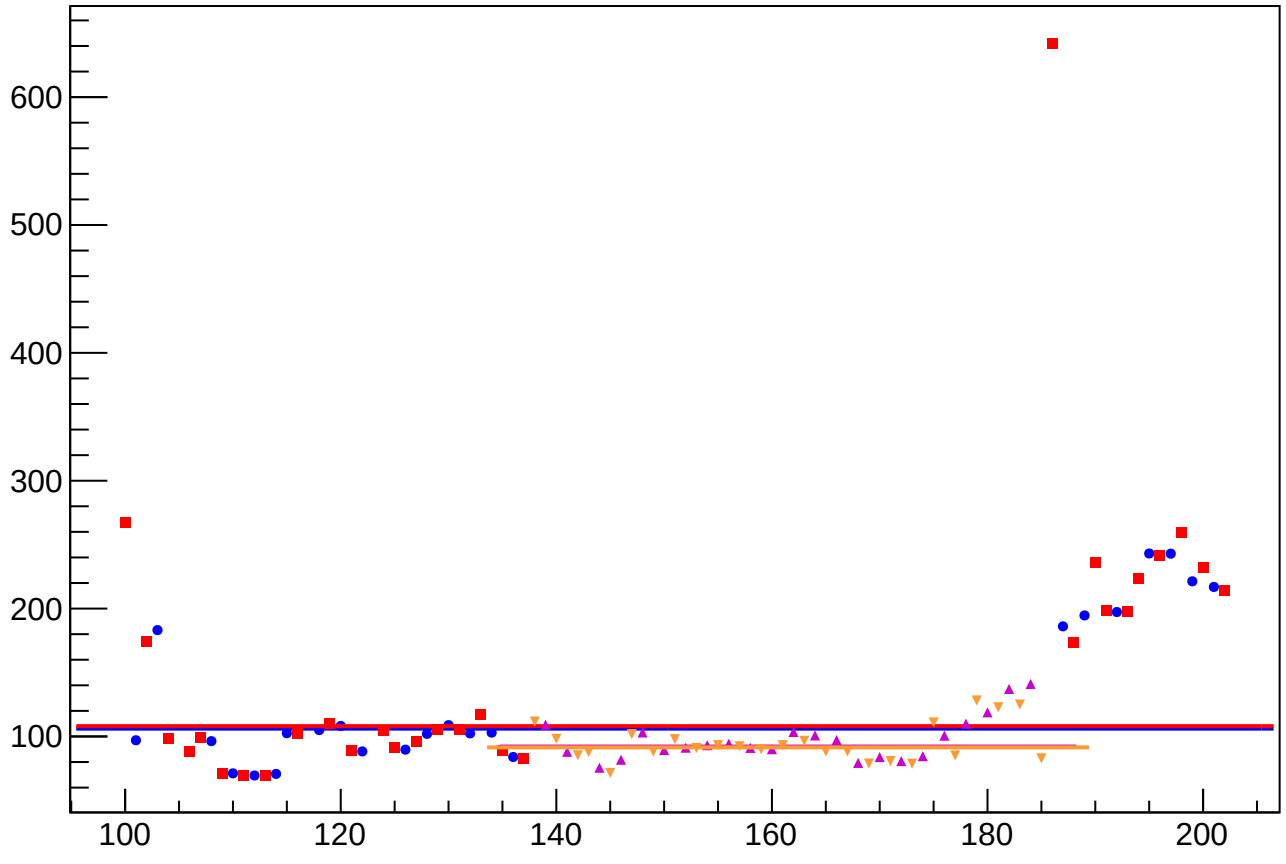
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -29.057+/-22.850 χ^2/NDF: 60.5/51

In: 32.898+/-18.212 χ^2/NDF:61.6/45

Out: 55.558+/-17.560 χ^2/NDF:77.7/53

All: 44.640+/-12.641 χ^2/NDF: 140.2/99



Right In: 106.121+/-0.023 χ^2/NDF: 3582107.8/22

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 108.074+/-0.022 χ^2/NDF: 5222624.4/28

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

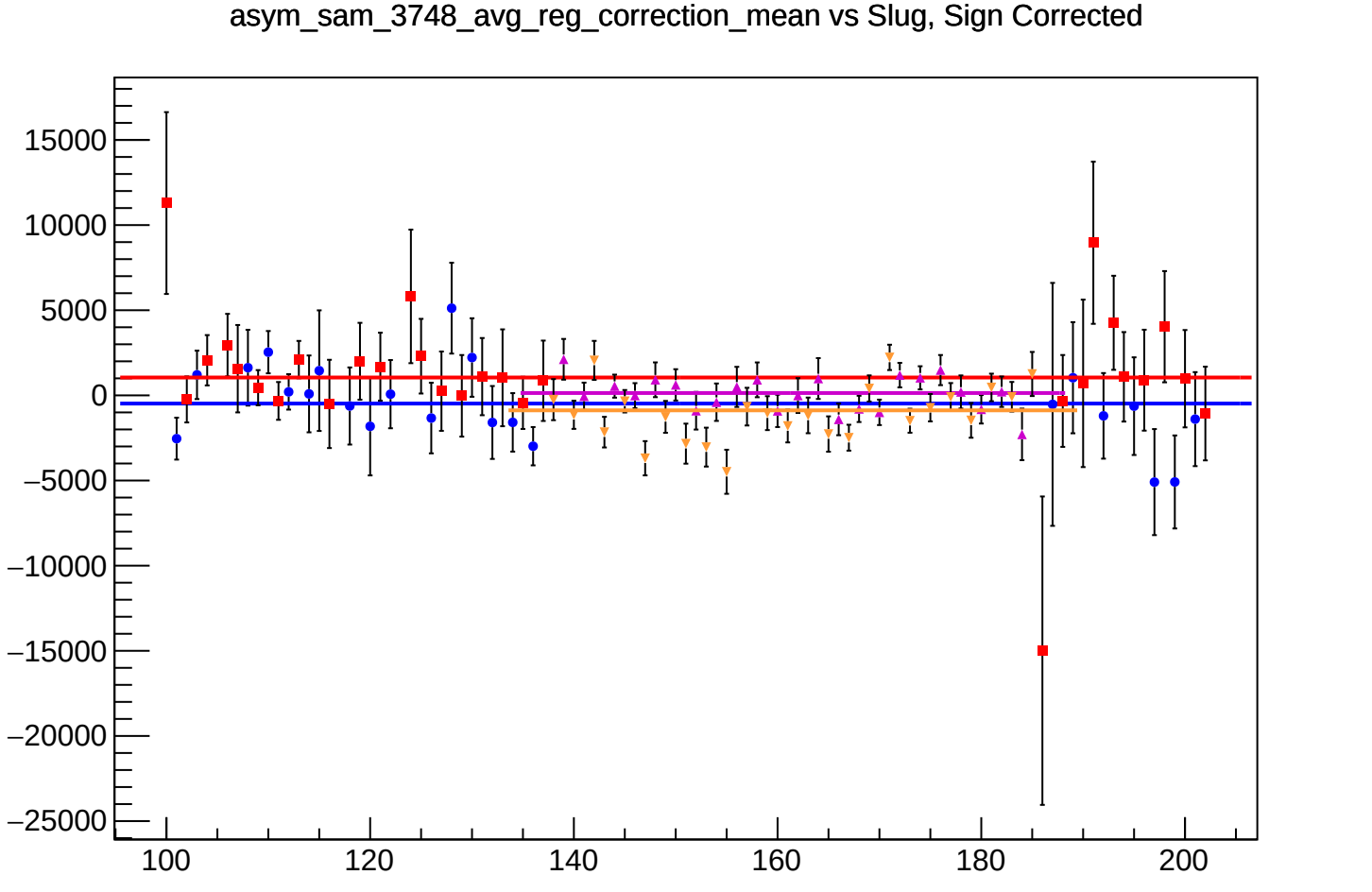
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 107.138+/-0.016 χ^2/NDF: 8808378.7/51

In: 96.369+/-0.013 χ^2/NDF:4532724.3/45

Out: 96.570+/-0.012 χ^2/NDF:6354971.7/53

All: 96.473+/-0.009 χ^2/NDF: 10887821.7/99



Right In: -480.521+/-393.980 χ^2/NDF: 29.1/22

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1049.110+/-372.737 χ^2/NDF: 21.6/28

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

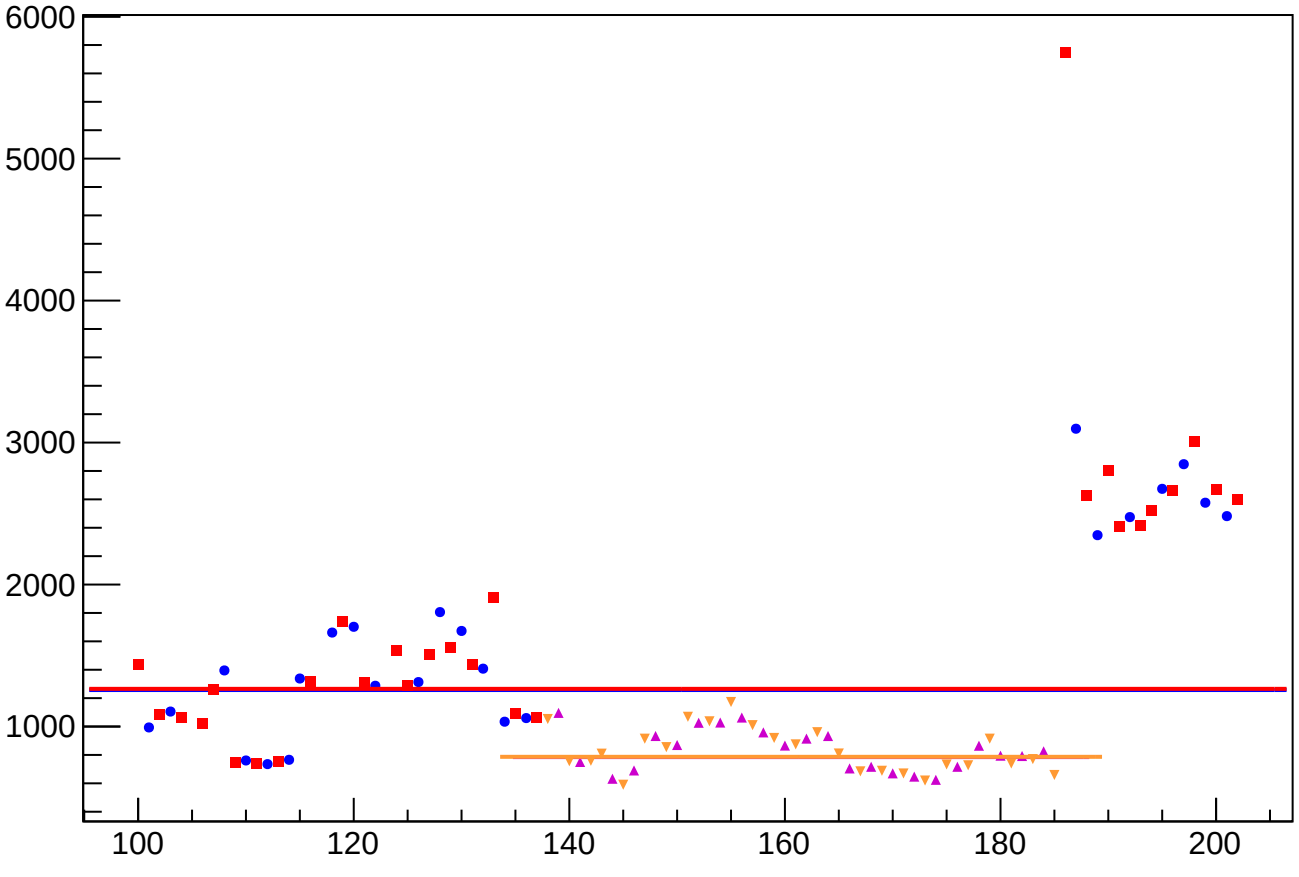
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 326.642+/-270.764 χ^2/NDF: 58.7/51

In: 25.294+/-168.621 χ^2/NDF:55.4/45

Out: -506.753+/-163.681 χ^2/NDF:110.9/53

All: -248.637+/-117.448 χ^2/NDF: 171.4/99



Right In: 1257.090+/-0.279 χ^2/NDF: 4107367.6/22

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1265.456+/-0.264 χ^2/NDF: 5873367.1/28

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

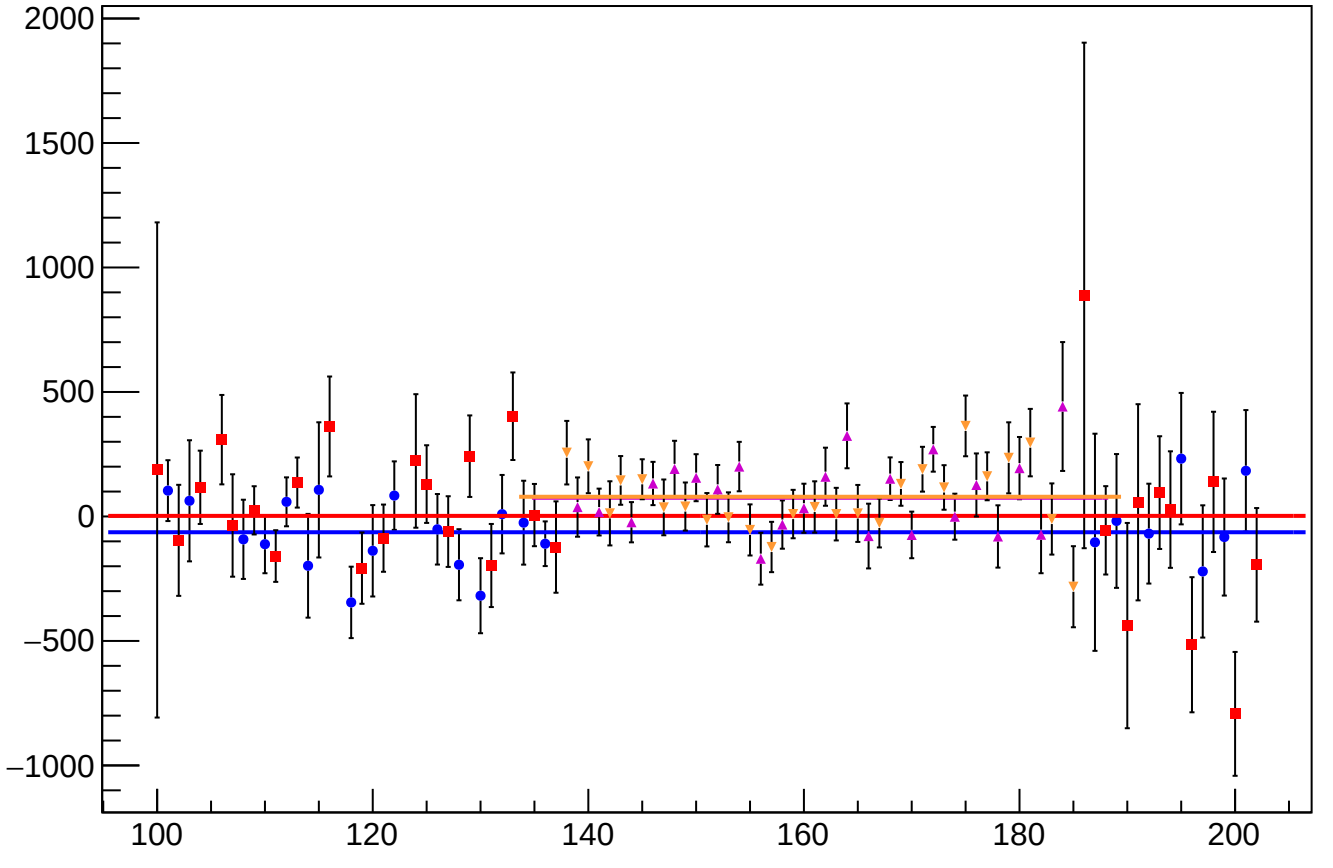
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1261.504+/-0.191 χ^2/NDF: 9981210.6/51

In: 871.341+/-0.119 χ^2/NDF:7518392.4/45

Out: 879.070+/-0.116 χ^2/NDF:9746868.1/53

All: 875.320+/-0.083 χ^2/NDF: 17267423.7/99



Right In: -63.397+/-33.004 χ^2/NDF: 16.8/22

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 2.326+/-31.670 χ^2/NDF: 41.6/28

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

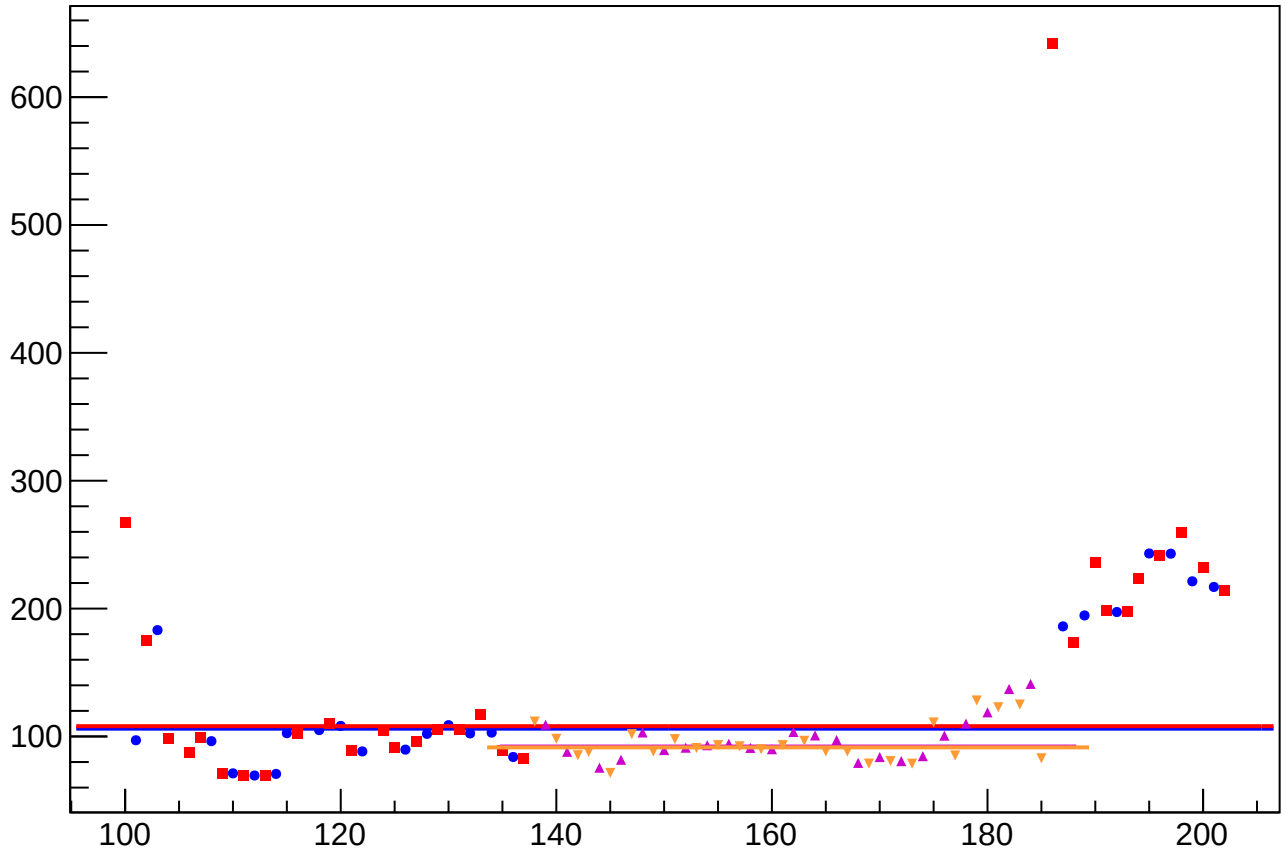
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -29.181+/-22.851 χ^2/NDF: 60.5/51

In: 32.895+/-18.212 χ^2/NDF:61.6/45

Out: 55.499+/-17.561 χ^2/NDF:77.7/53

All: 44.608+/-12.641 χ^2/NDF: 140.1/99



Right In: 106.121+/-0.023 χ^2/NDF: 3582110.9/22

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 108.037+/-0.022 χ^2/NDF: 5225981.7/28

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

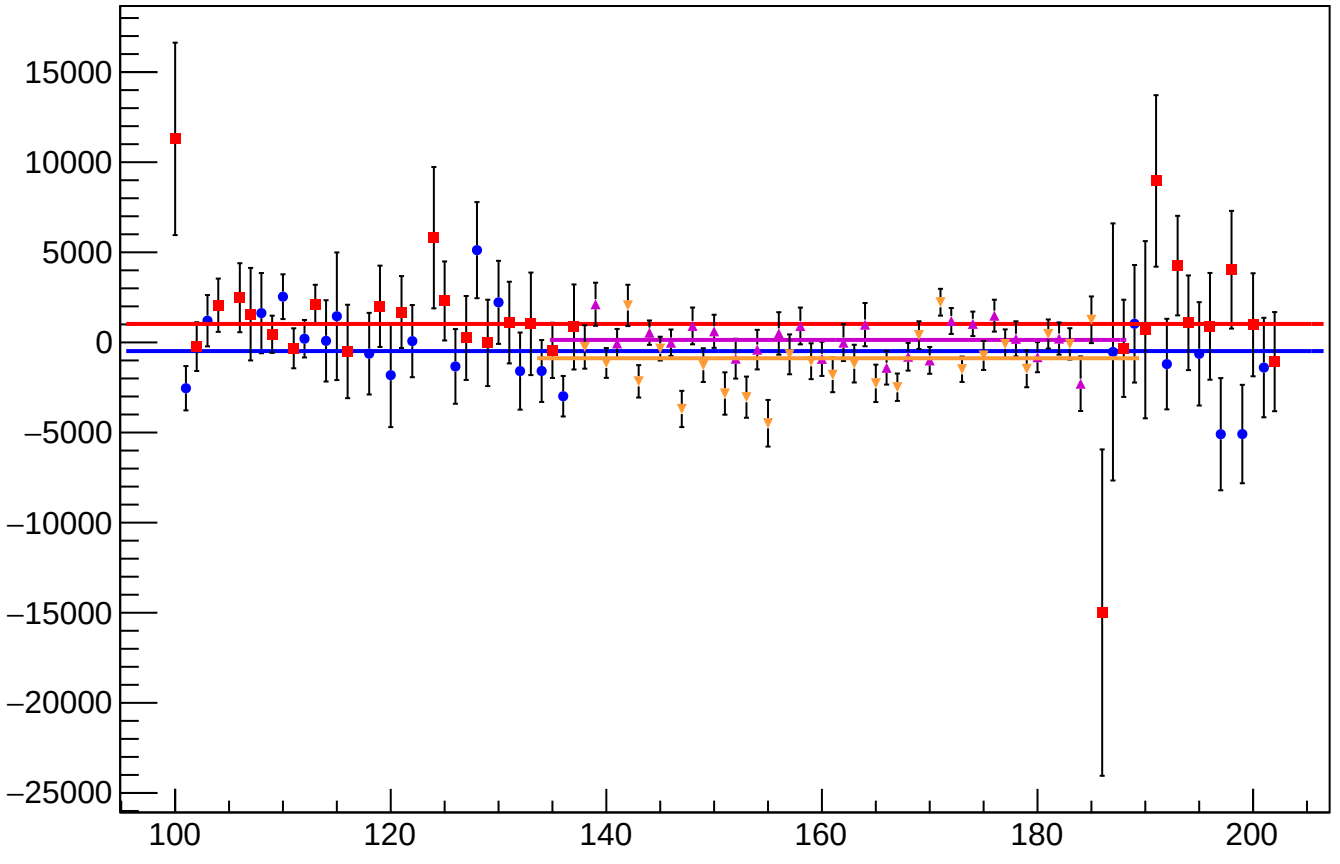
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 107.118+/-0.016 χ^2/NDF: 8811602.5/51

In: 96.369+/-0.013 χ^2/NDF:4532727.4/45

Out: 96.558+/-0.012 χ^2/NDF:6356587.1/53

All: 96.467+/-0.009 χ^2/NDF: 10889425.7/99



Right In: -480.540+/-393.983 χ^2/NDF: 29.1/22

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1025.381+/-373.387 χ^2/NDF: 21.1/28

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

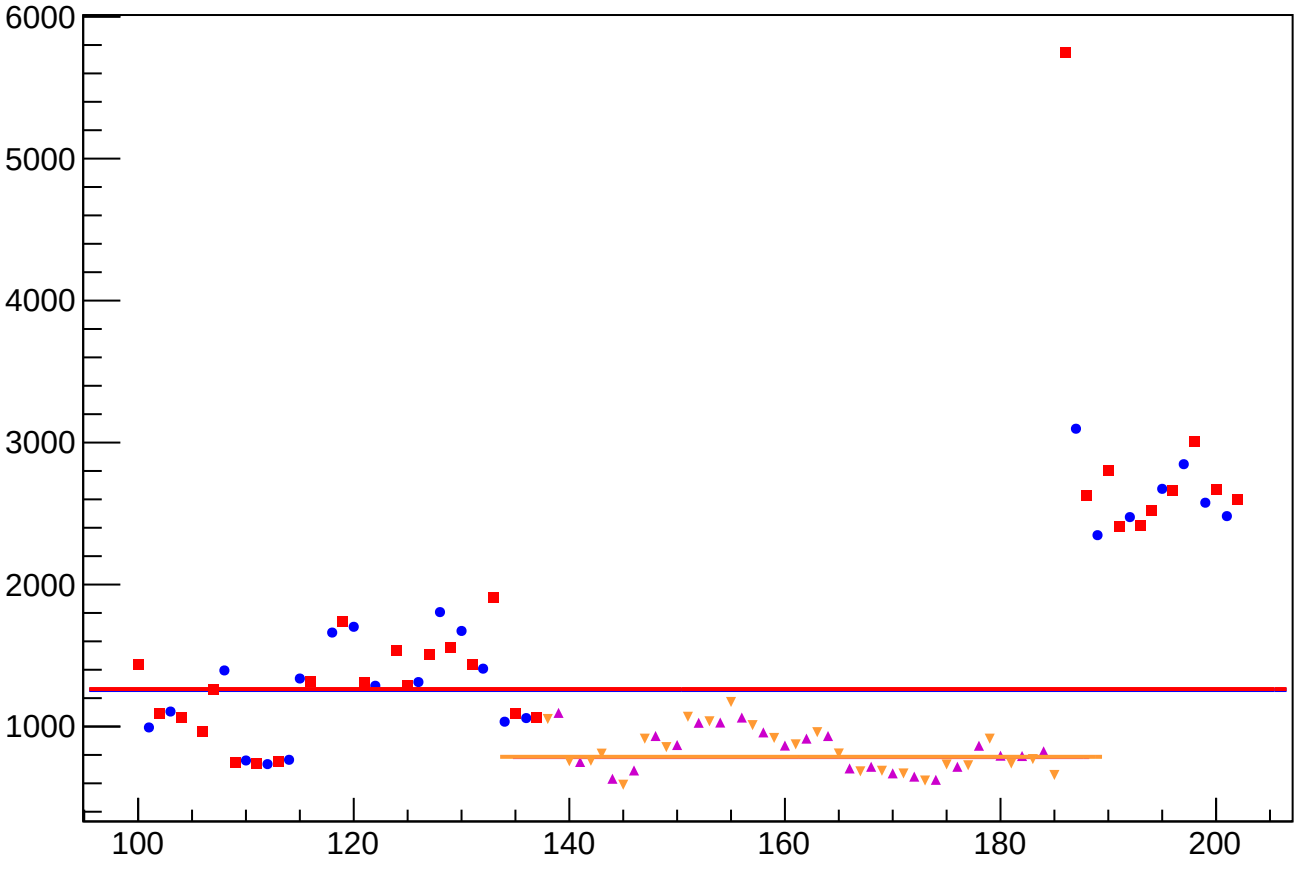
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 312.810+/-271.013 χ^2/NDF: 58.0/51

In: 25.293+/-168.622 χ^2/NDF:55.4/45

Out: -512.353+/-163.736 χ^2/NDF:109.8/53

All: -251.431+/-117.468 χ^2/NDF: 170.4/99



Right In: 1257.100+/-0.279 χ^2/NDF: 4107334.7/22

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1264.186+/-0.264 χ^2/NDF: 5886935.5/28

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

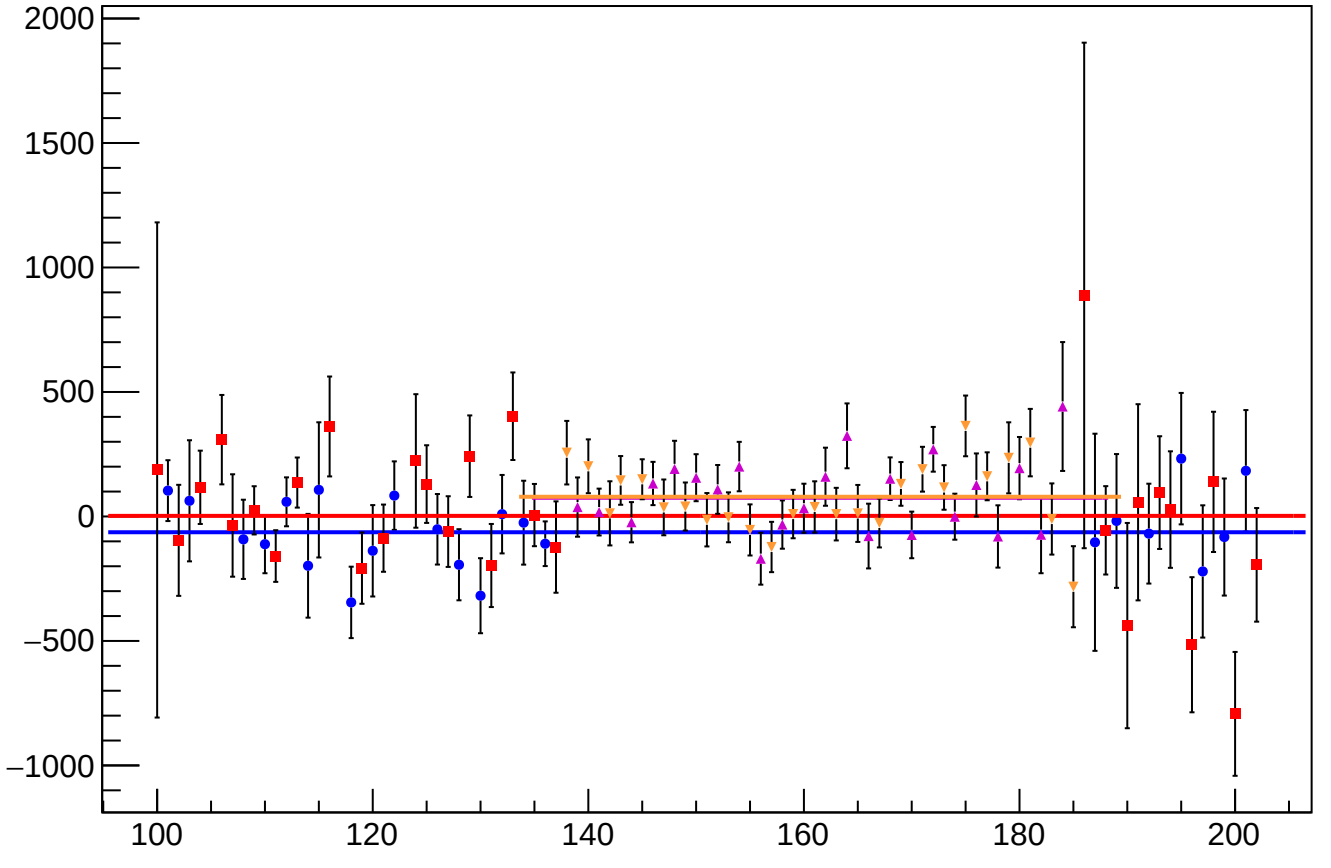
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

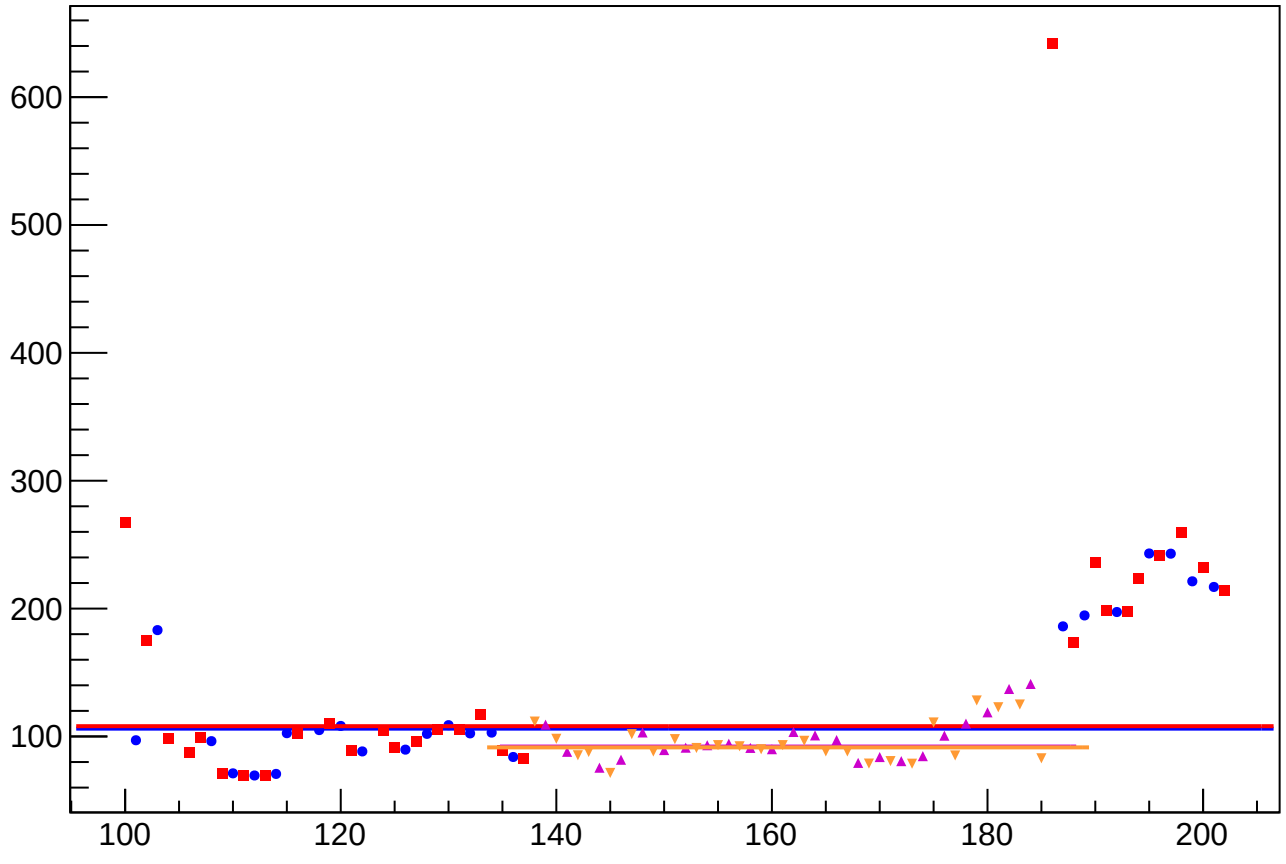
Right: 1260.833+/-0.192 χ^2/NDF: 9994611.1/51

In: 871.342+/-0.119 χ^2/NDF:7518430.8/45

Out: 878.566+/-0.116 χ^2/NDF:9738891.3/53

All: 875.060+/-0.083 χ^2/NDF: 17259211.3/99


eigen_cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -63.397+/-33.004 χ²/NDF: 16.8/22
Left Out: 79.106+/-21.102 χ²/NDF:32.0/24
Right Out: 2.326+/-31.670 χ²/NDF: 41.6/28
Left In: 75.049+/-21.837 χ²/NDF:32.6/22
Left: 77.147+/-15.175 χ²/NDF: 64.6/47
Right: -29.181+/-22.851 χ²/NDF: 60.5/51
In: 32.895+/-18.212 χ²/NDF:61.6/45
Out: 55.499+/-17.561 χ²/NDF:77.7/53
All: 44.608+/-12.641 χ²/NDF: 140.1/99



Right In: 106.121+/-0.023 χ^2/NDF: 3582110.9/22

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 108.037+/-0.022 χ^2/NDF: 5225981.7/28

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

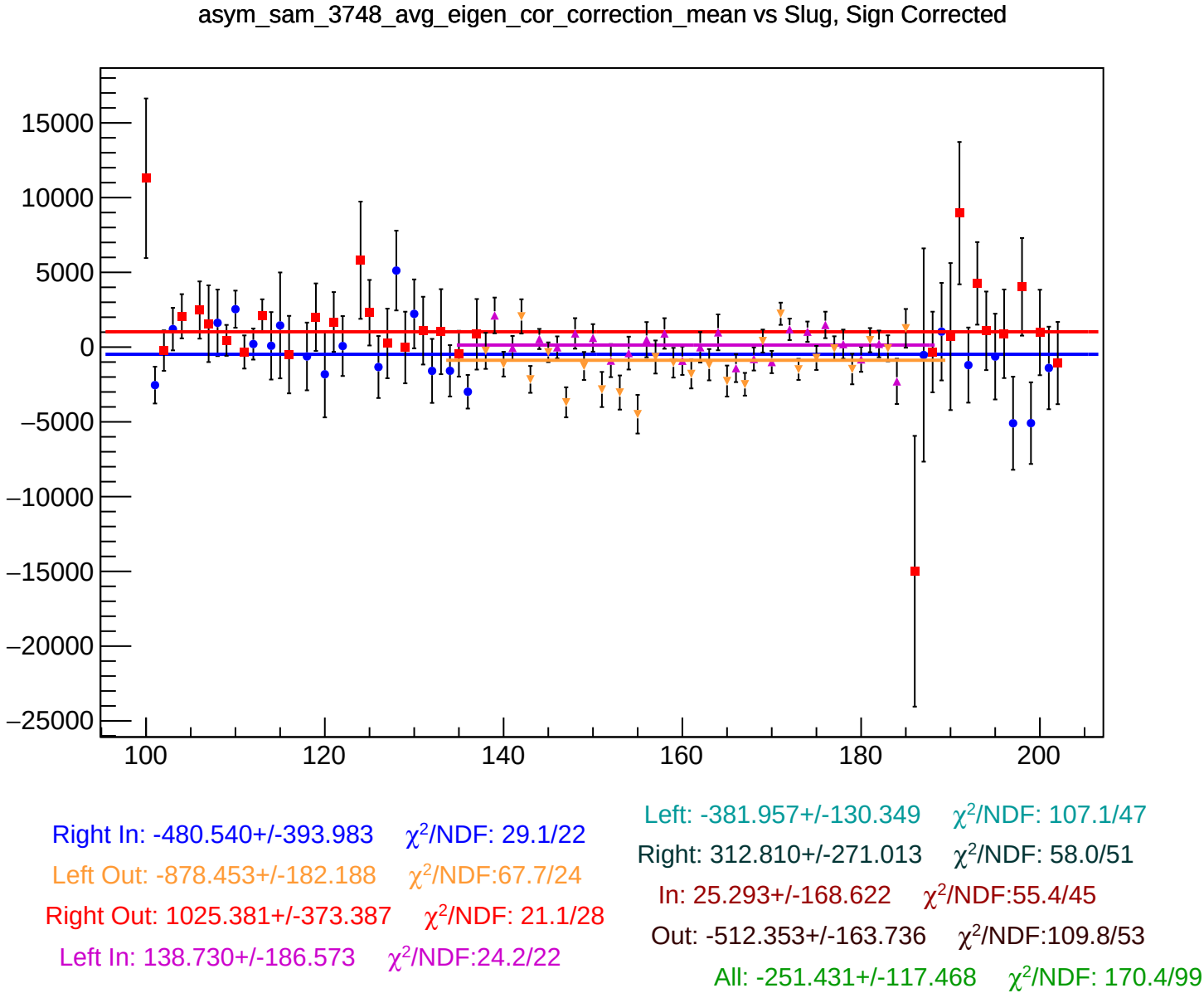
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 107.118+/-0.016 χ^2/NDF: 8811602.5/51

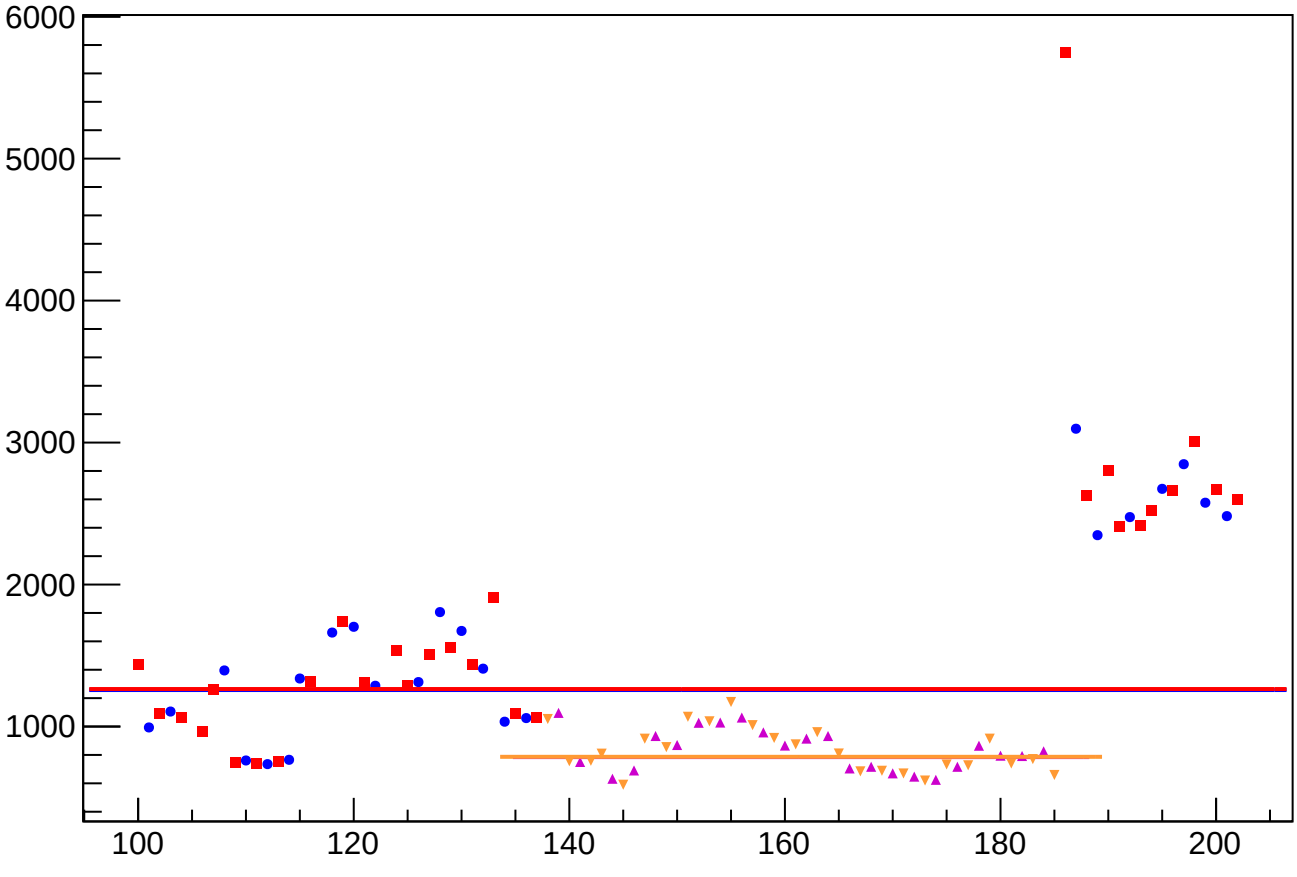
In: 96.369+/-0.013 χ^2/NDF:4532727.4/45

Out: 96.558+/-0.012 χ^2/NDF:6356587.1/53

All: 96.467+/-0.009 χ^2/NDF: 10889425.7/99


asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -480.540+/-393.983 χ²/NDF: 29.1/22
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 1025.381+/-373.387 χ²/NDF: 21.1/28
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 312.810+/-271.013 χ²/NDF: 58.0/51
In: 25.293+/-168.622 χ²/NDF:55.4/45
Out: -512.353+/-163.736 χ²/NDF:109.8/53
All: -251.431+/-117.468 χ²/NDF: 170.4/99

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1257.100+/-0.279 χ^2/NDF: 4107334.7/22

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1264.186+/-0.264 χ^2/NDF: 5886935.5/28

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

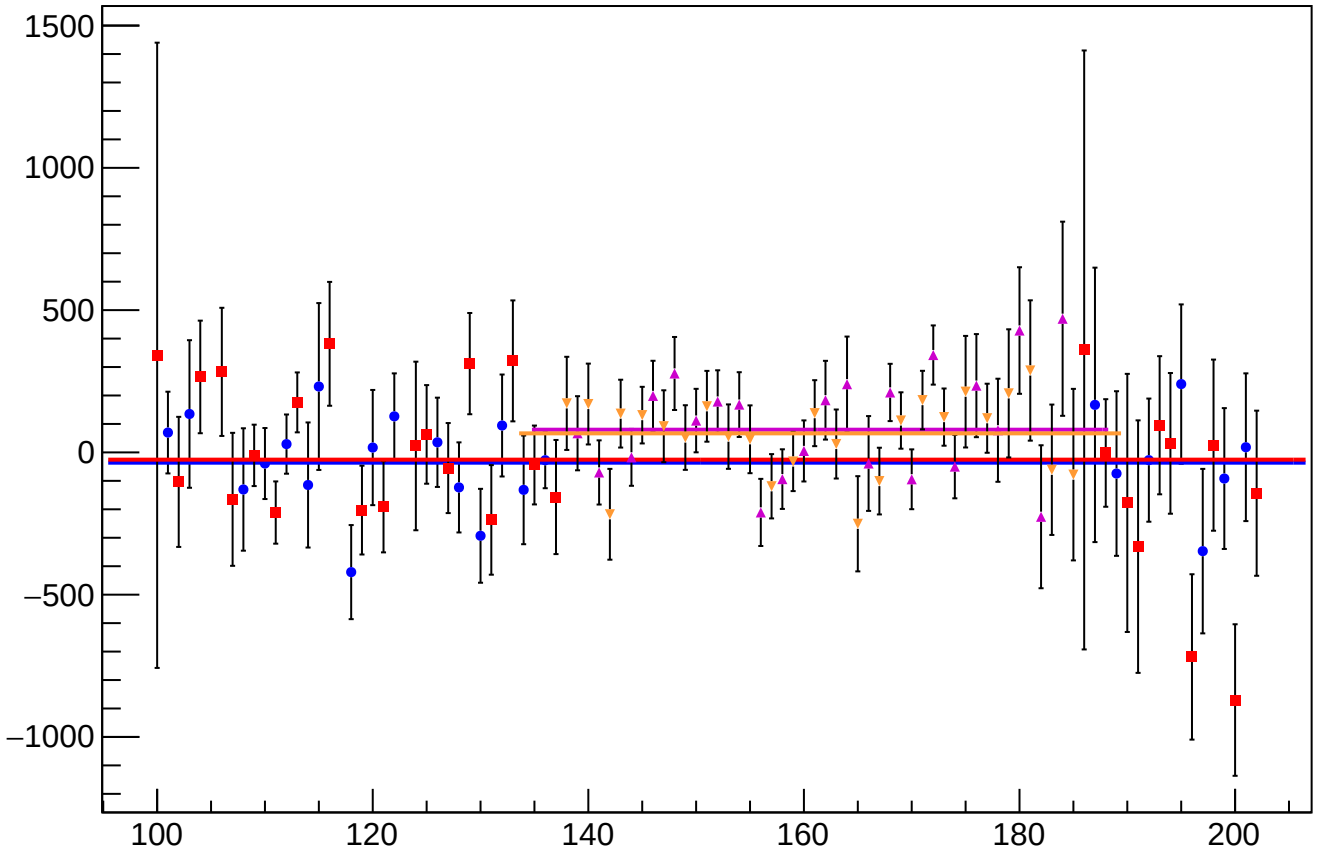
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1260.833+/-0.192 χ^2/NDF: 9994611.1/51

In: 871.342+/-0.119 χ^2/NDF:7518430.8/45

Out: 878.566+/-0.116 χ^2/NDF:9738891.3/53

All: 875.060+/-0.083 χ^2/NDF: 17259211.3/99



Right In: -36.123+/-36.484 χ^2/NDF: 15.3/22

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -25.488+/-35.189 χ^2/NDF: 42.3/28

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

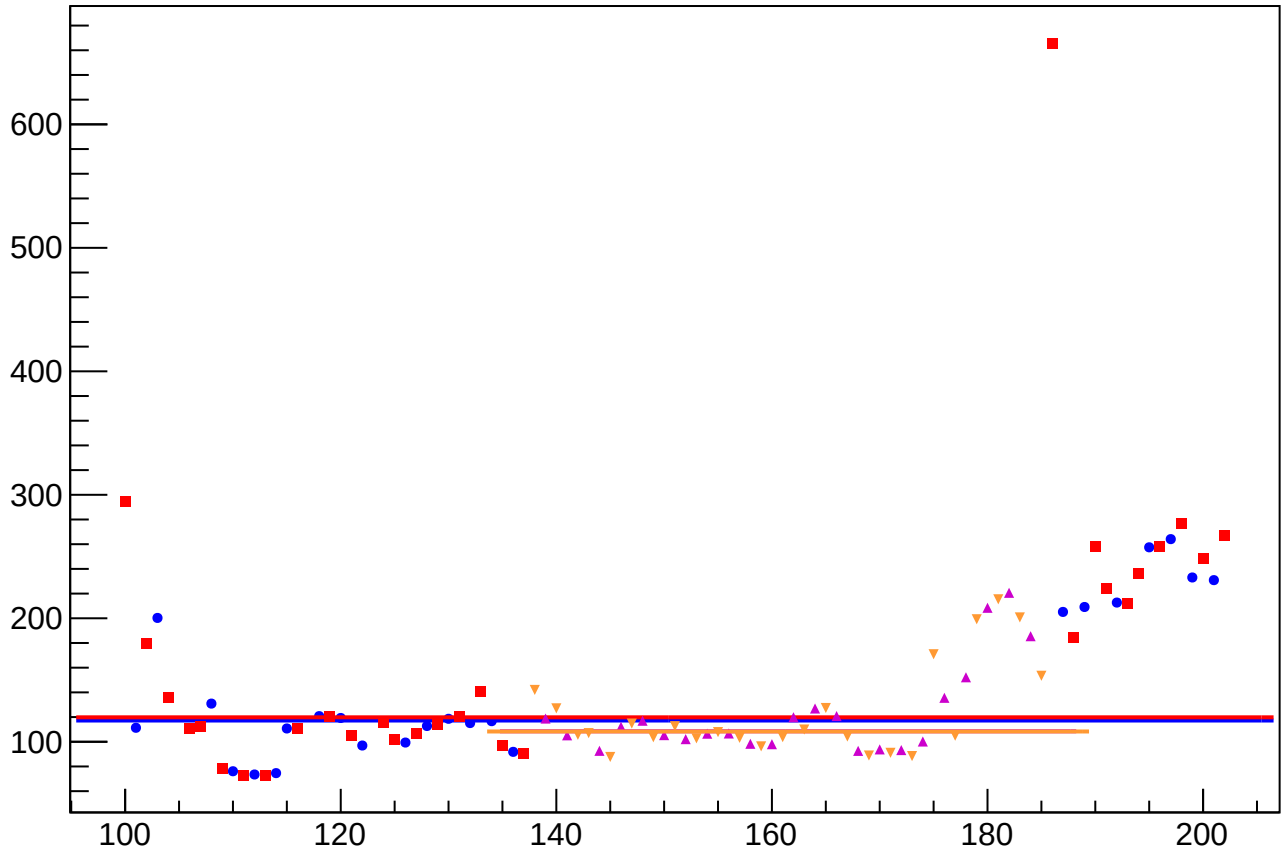
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -30.613+/-25.328 χ^2/NDF: 57.6/51

In: 40.140+/-21.334 χ^2/NDF:58.9/45

Out: 34.949+/-20.693 χ^2/NDF:66.4/53

All: 37.466+/-14.853 χ^2/NDF: 125.3/99



Right In: 117.211+/-0.026 χ^2/NDF: 3559032.2/22

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 119.795+/-0.025 χ^2/NDF: 5221022.2/28

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

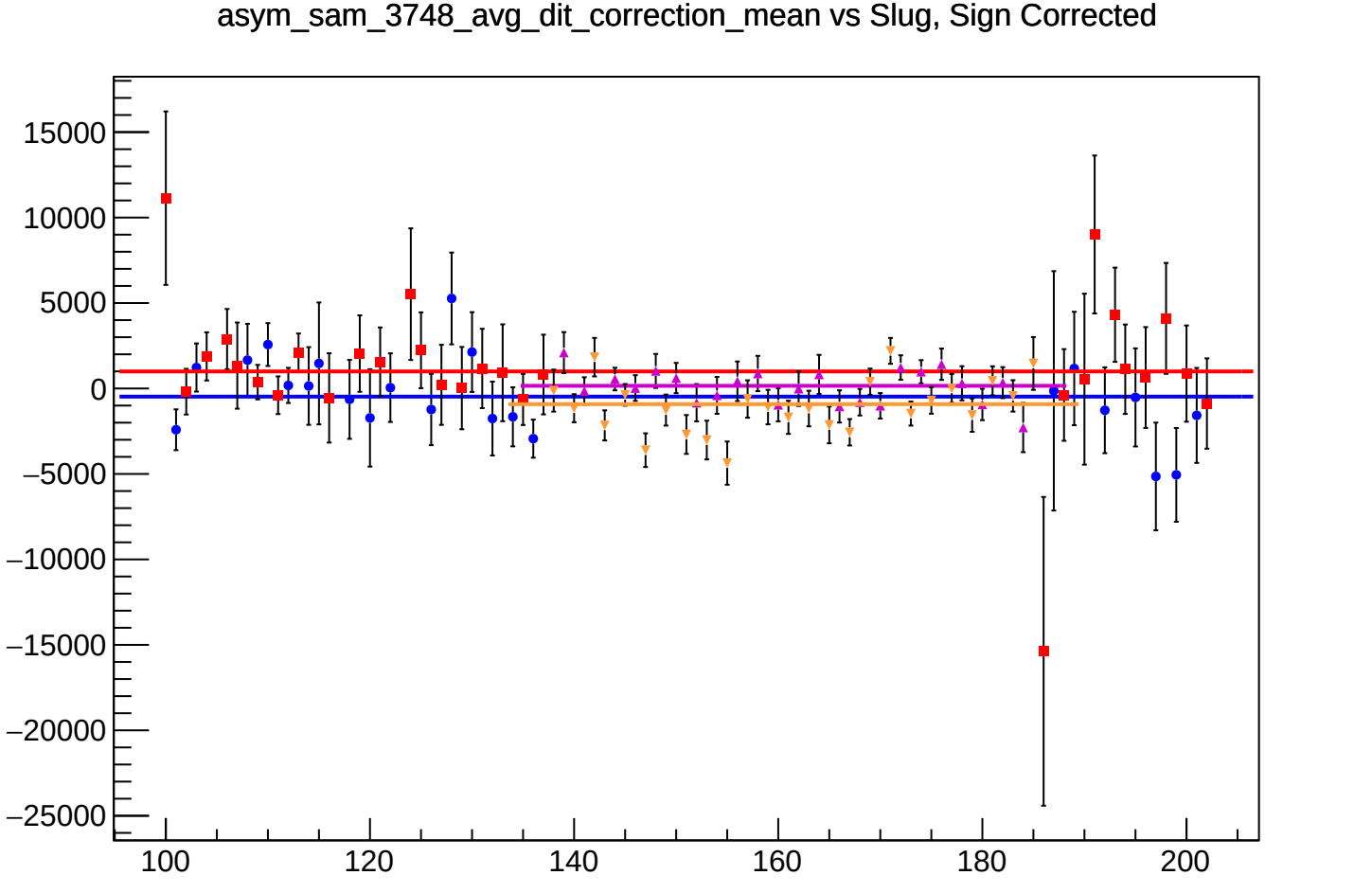
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 118.549+/-0.018 χ^2/NDF: 8785250.2/51

In: 111.474+/-0.015 χ^2/NDF:5013591.2/45

Out: 112.295+/-0.015 χ^2/NDF:7134501.7/53

All: 111.897+/-0.011 χ^2/NDF: 12149619.3/99



Right In: -476.170+/-392.123 χ^2/NDF: 29.2/22

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 997.879+/-368.486 χ^2/NDF: 22.6/28

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

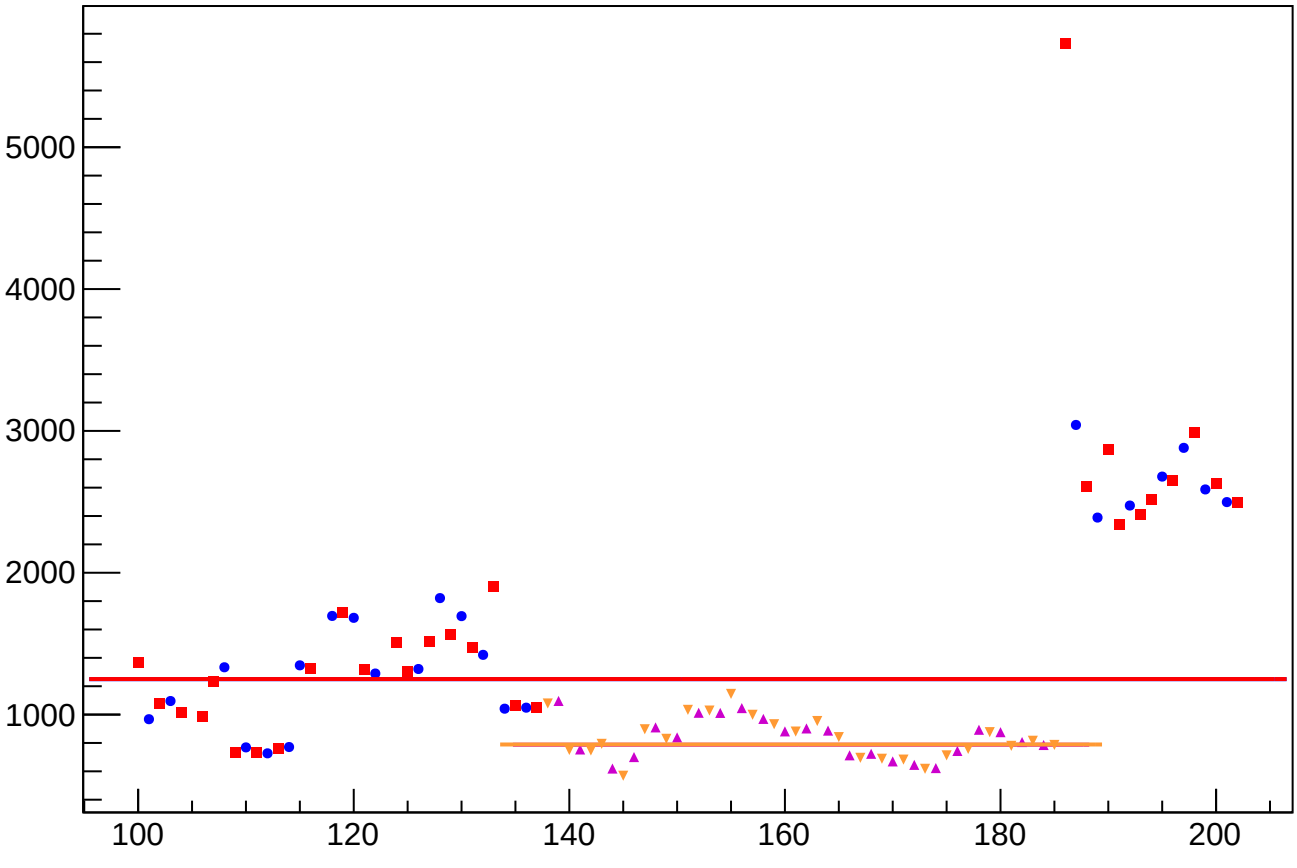
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 306.618+/-268.526 χ^2/NDF: 59.3/51

In: 38.646+/-168.874 χ^2/NDF:54.4/45

Out: -541.337+/-163.513 χ^2/NDF:108.4/53

All: -260.697+/-117.471 χ^2/NDF: 168.9/99



Right In: 1249.445+/-0.277 χ^2/NDF: 4187704.9/22

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1250.563+/-0.261 χ^2/NDF: 5922102.1/28

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

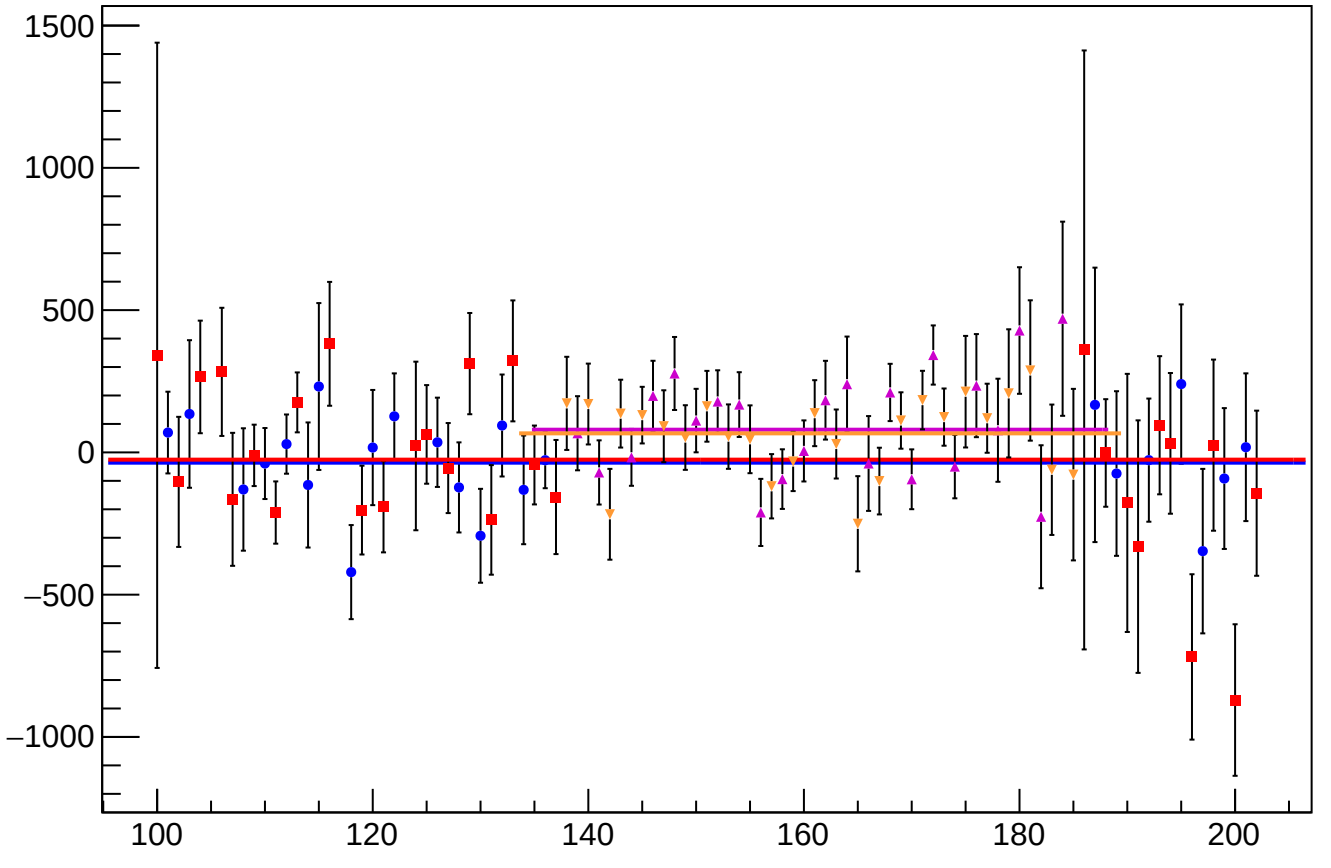
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1250.038+/-0.190 χ^2/NDF: 10109815.6/51

In: 873.089+/-0.119 χ^2/NDF:7491022.4/45

Out: 880.086+/-0.116 χ^2/NDF:9616258.2/53

All: 876.700+/-0.083 χ^2/NDF: 17109052.9/99



Right In: -36.122+/-36.484 χ^2/NDF: 15.3/22

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -25.490+/-35.189 χ^2/NDF: 42.3/28

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

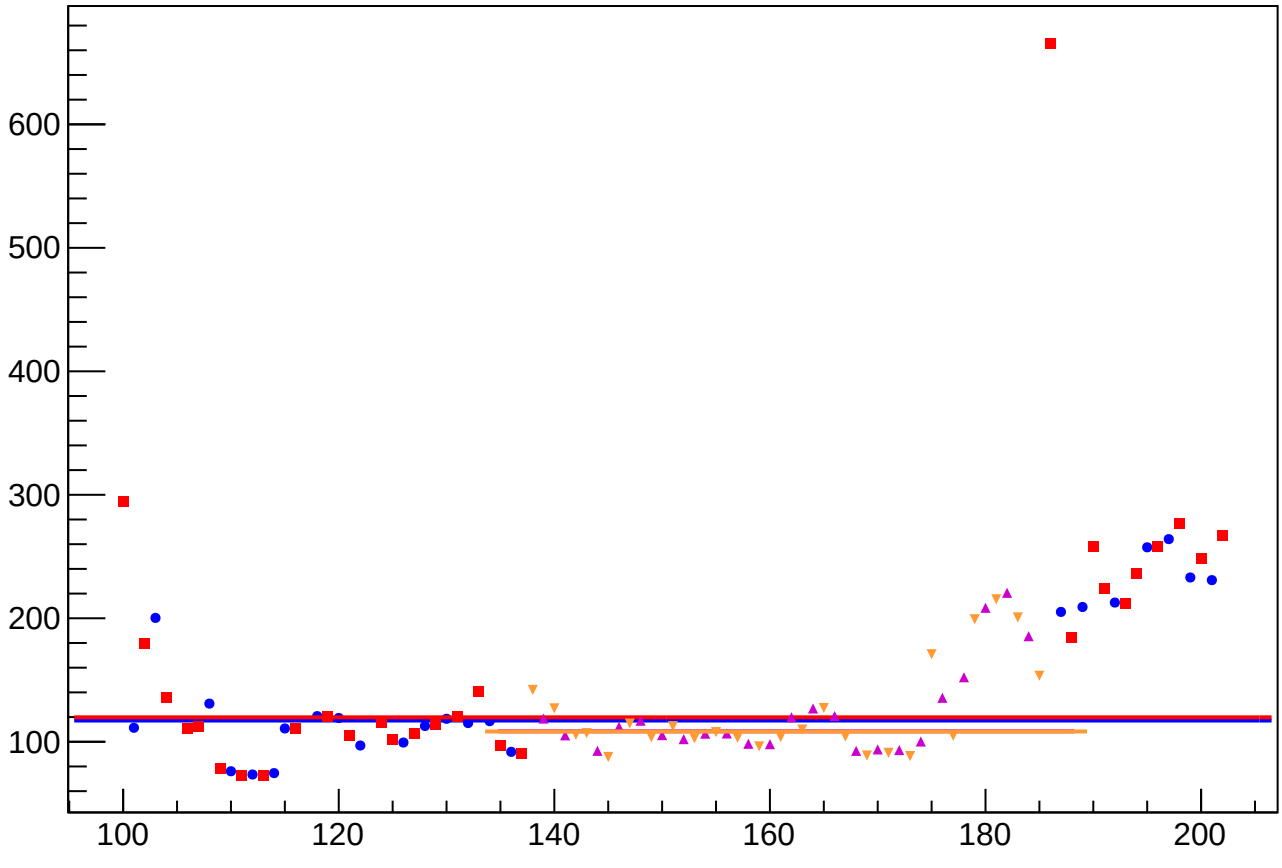
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -30.614+/-25.328 χ^2/NDF: 57.6/51

In: 40.140+/-21.334 χ^2/NDF:58.9/45

Out: 34.949+/-20.693 χ^2/NDF:66.4/53

All: 37.466+/-14.853 χ^2/NDF: 125.3/99



Right In: 117.211+/-0.026 χ^2/NDF: 3559022.3/22

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 119.795+/-0.025 χ^2/NDF: 5221026.5/28

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

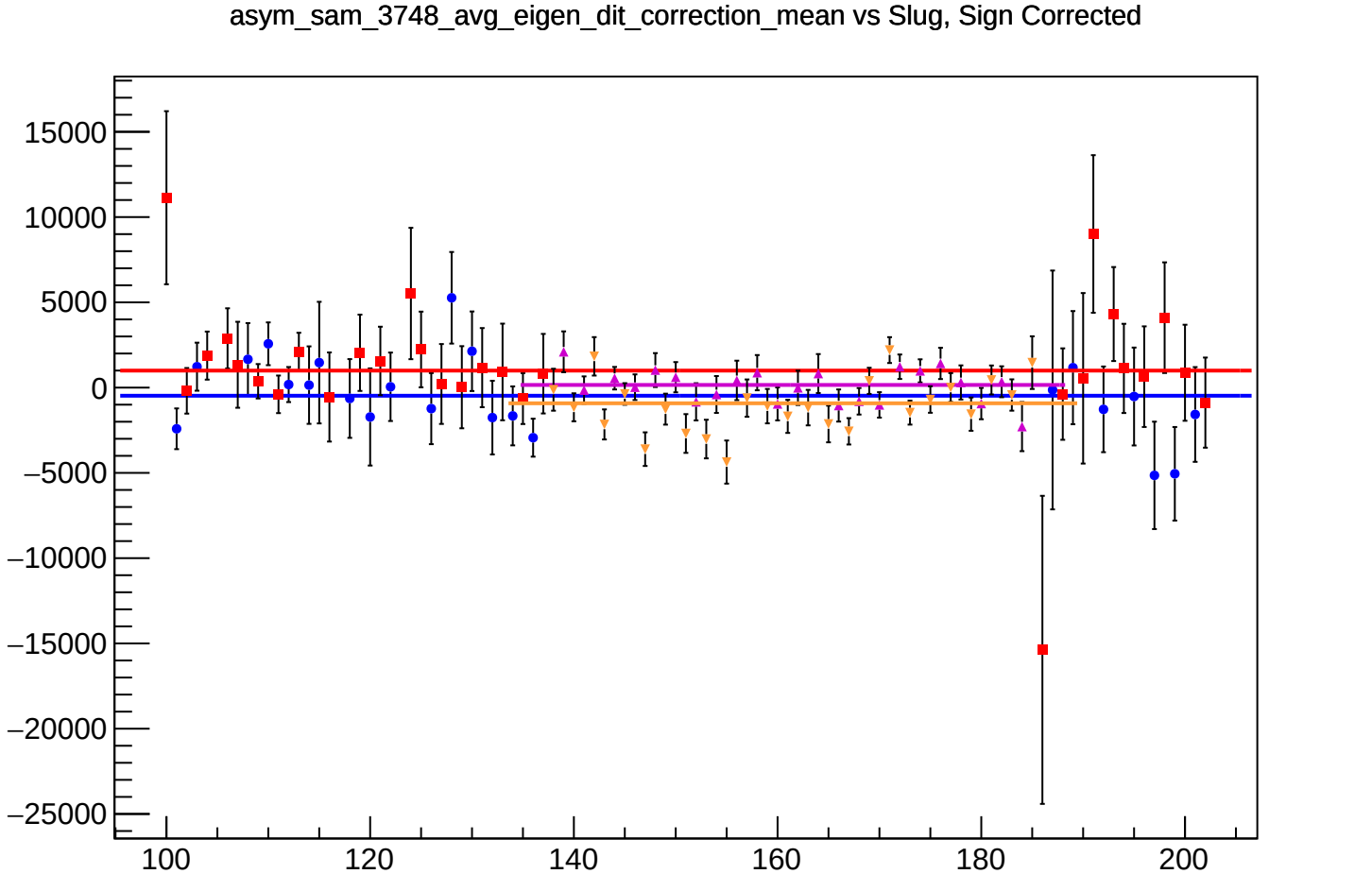
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 118.550+/-0.018 χ^2/NDF: 8785244.7/51

In: 111.474+/-0.015 χ^2/NDF:5013559.4/45

Out: 112.295+/-0.015 χ^2/NDF:7134496.8/53

All: 111.897+/-0.011 χ^2/NDF: 12149582.5/99



Right In: -476.169+/-392.122 χ^2/NDF: 29.2/22

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 997.878+/-368.485 χ^2/NDF: 22.6/28

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

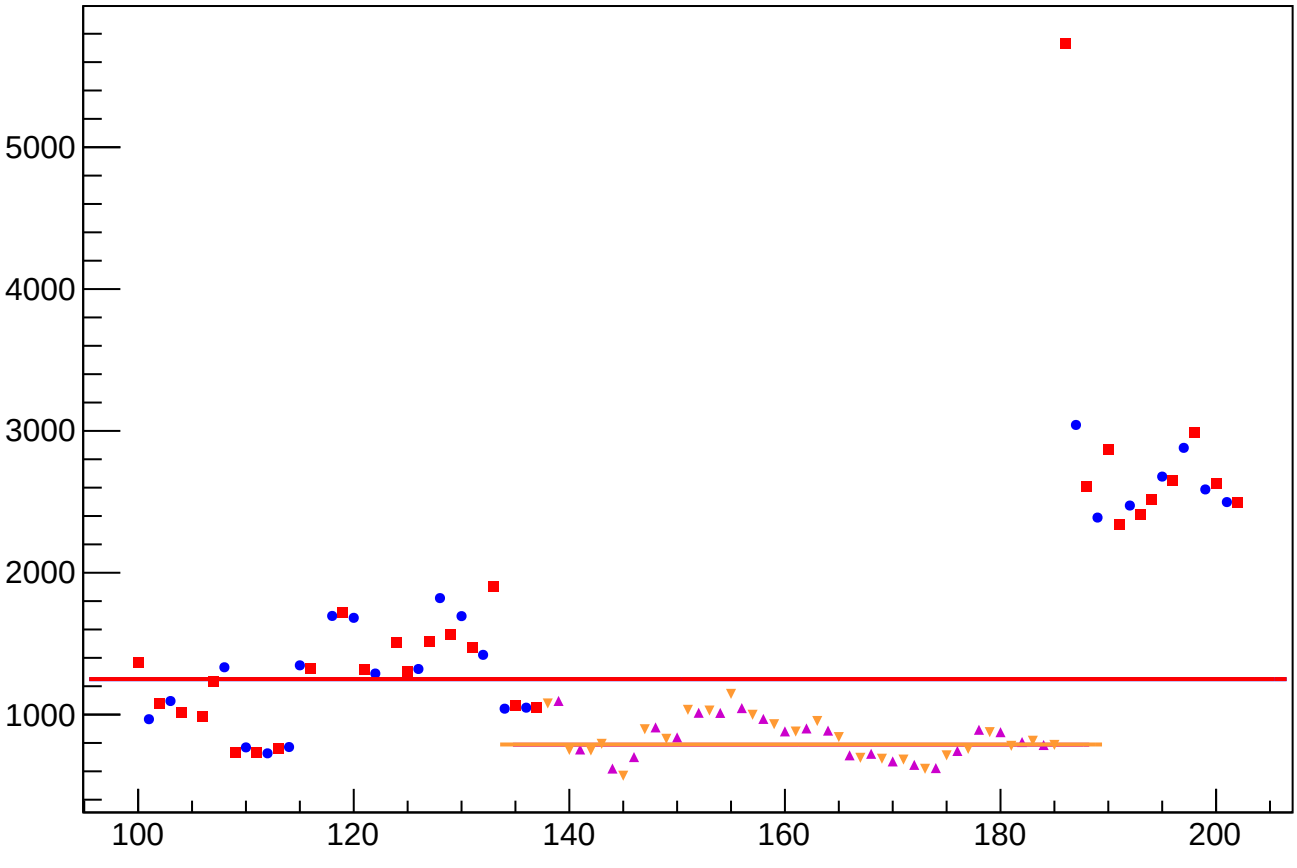
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 306.618+/-268.526 χ^2/NDF: 59.3/51

In: 38.646+/-168.874 χ^2/NDF:54.4/45

Out: -541.337+/-163.513 χ^2/NDF:108.4/53

All: -260.697+/-117.471 χ^2/NDF: 168.9/99



Right In: 1249.442+/-0.277 χ^2/NDF: 4187712.8/22

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1250.561+/-0.261 χ^2/NDF: 5922106.0/28

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

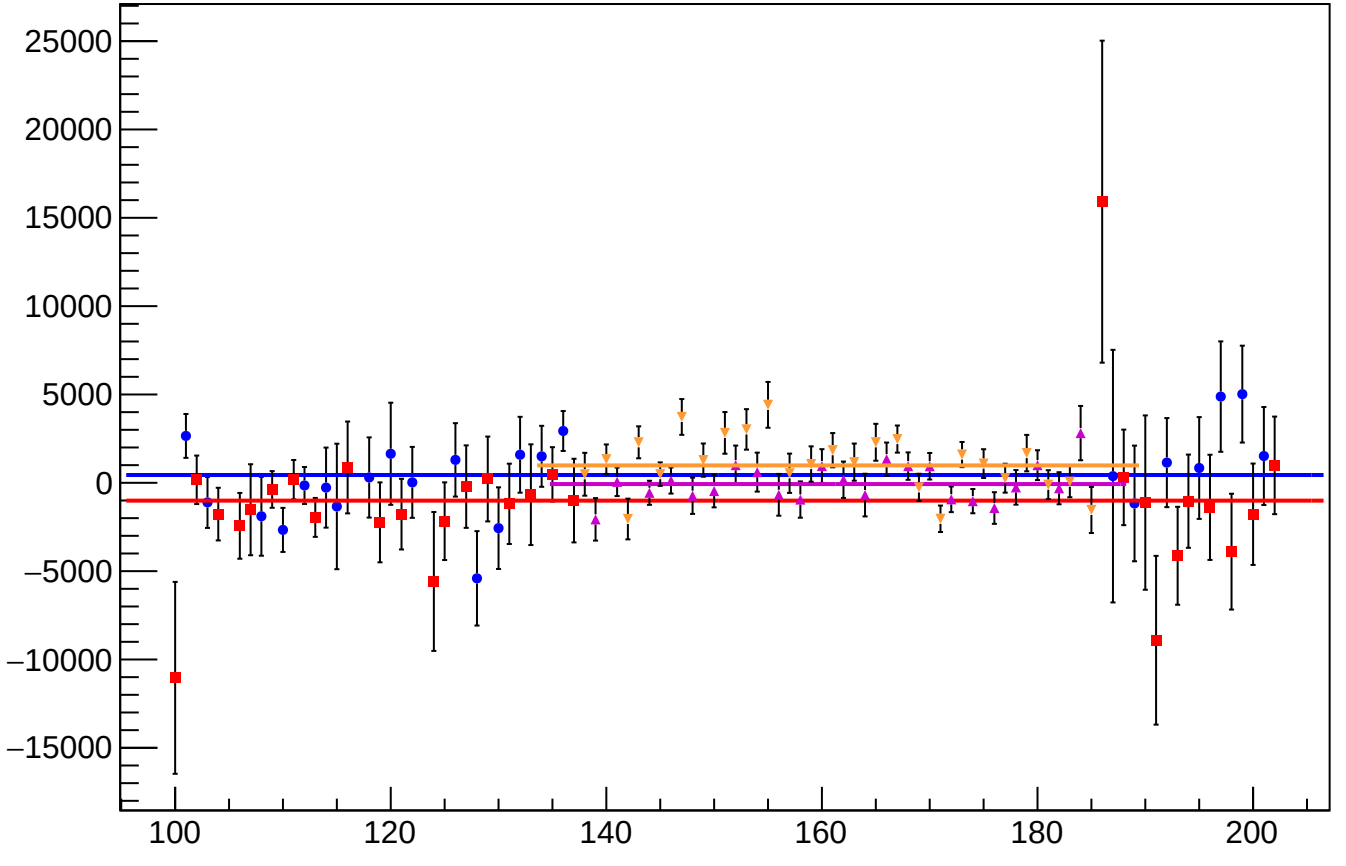
Right: 1250.036+/-0.190 χ^2/NDF: 10109827.4/51

In: 873.087+/-0.119 χ^2/NDF:7491029.5/45

Out: 880.085+/-0.116 χ^2/NDF:9616266.4/53

All: 876.699+/-0.083 χ^2/NDF: 17109068.1/99

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 442.759+/-396.032 χ^2/NDF: 30.0/22

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -1008.410+/-374.756 χ^2/NDF: 20.3/28

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

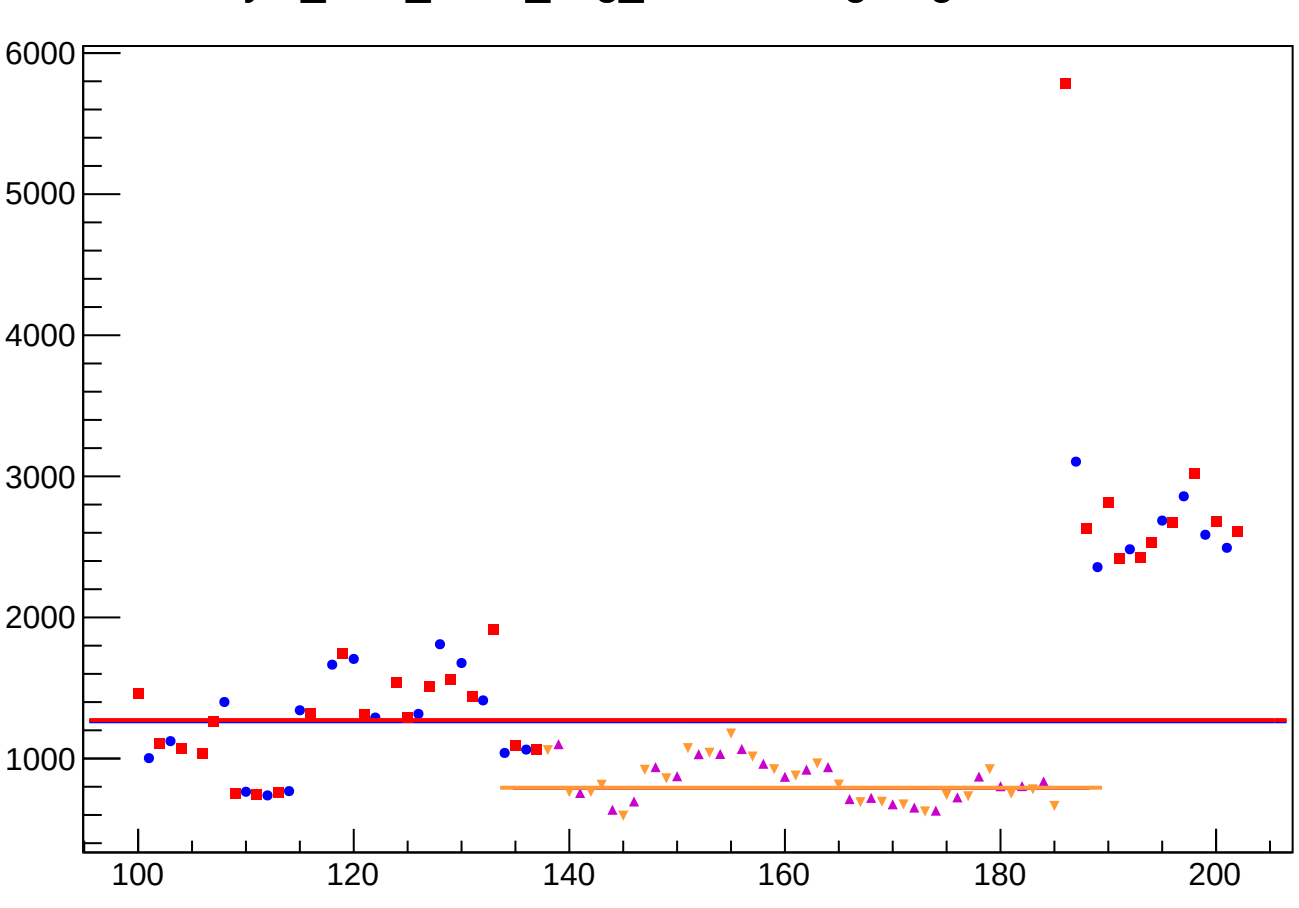
Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

Right: -322.852+/-272.203 χ^2/NDF: 57.4/51

In: 24.256+/-169.862 χ^2/NDF:55.8/45

Out: 599.678+/-164.877 χ^2/NDF:106.8/53

All: 320.534+/-118.309 χ^2/NDF: 168.5/99



Right In: 1264.117+/-0.280 χ^2/NDF: 4092751.8/22

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1272.508+/-0.265 χ^2/NDF: 5857366.4/28

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

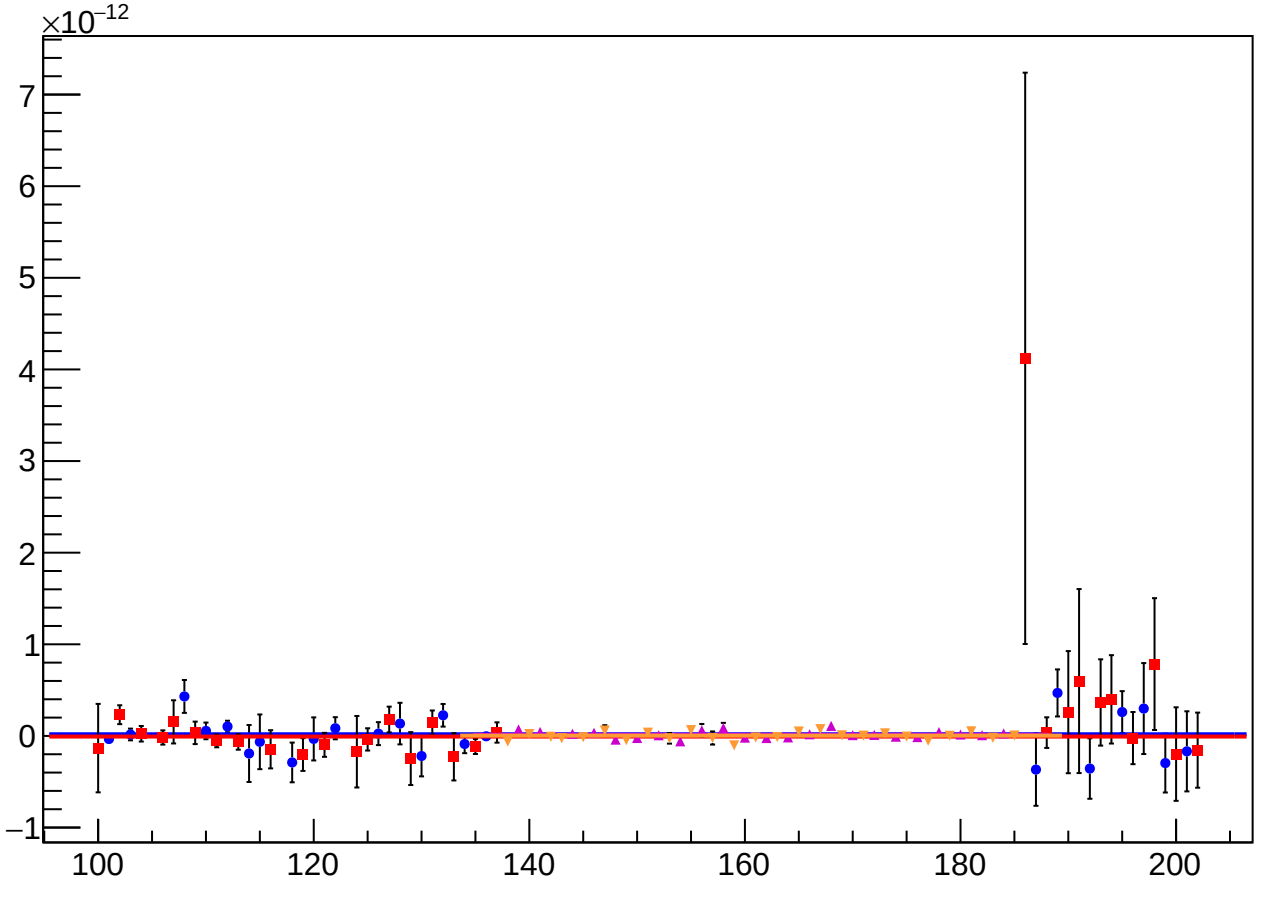
Right: 1268.544+/-0.192 χ^2/NDF: 9950591.9/51

In: 878.163+/-0.120 χ^2/NDF:7469581.6/45

Out: 885.857+/-0.117 χ^2/NDF:9691335.4/53

All: 882.124+/-0.084 χ^2/NDF: 17163029.8/99

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 24.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/28

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

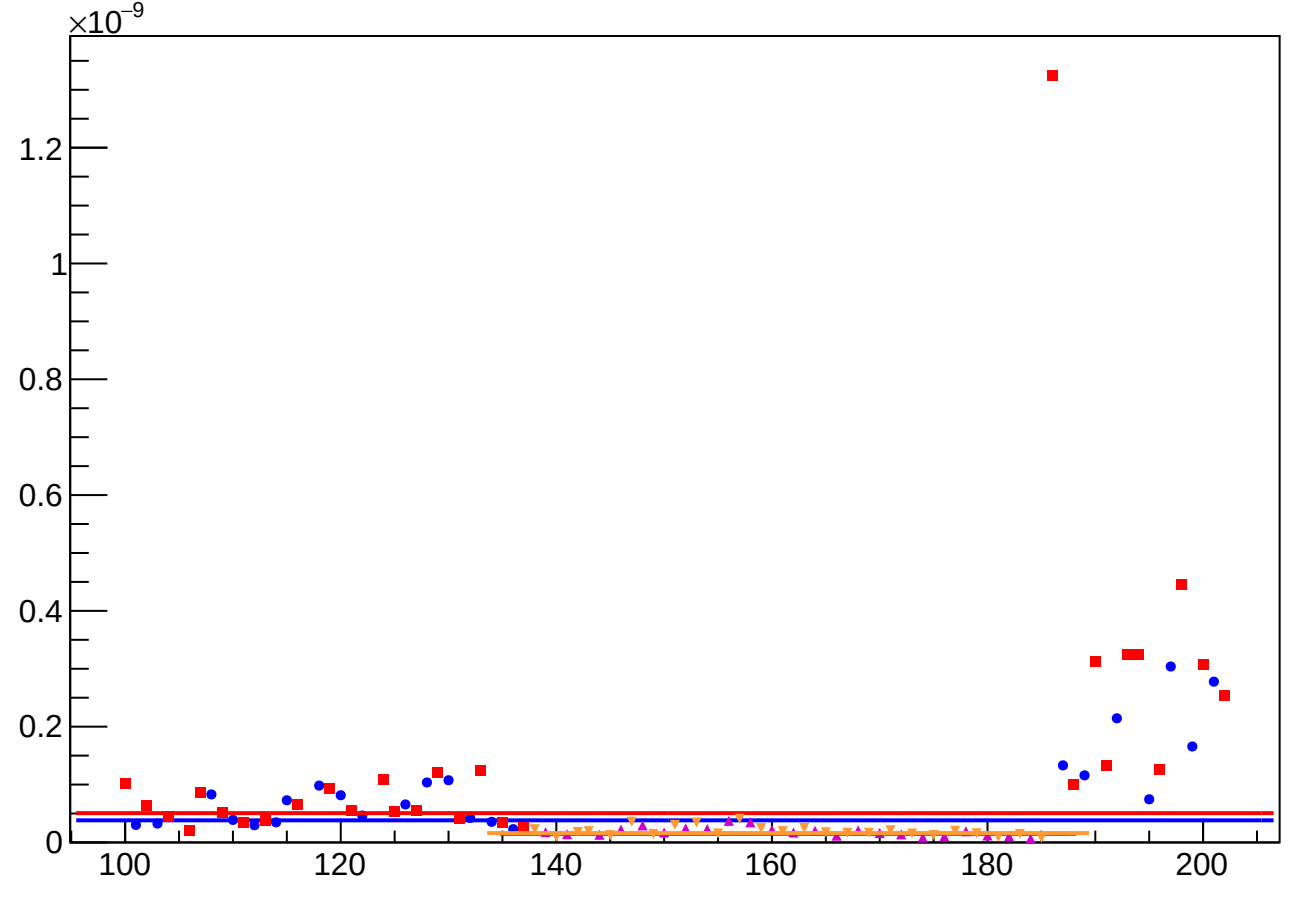
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 46.4/51

In: 0.000+/-0.000 χ^2/NDF:50.2/45

Out: 0.000+/-0.000 χ^2/NDF:55.1/53

All: 0.000+/-0.000 χ^2/NDF: 106.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 3653183.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5080268.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

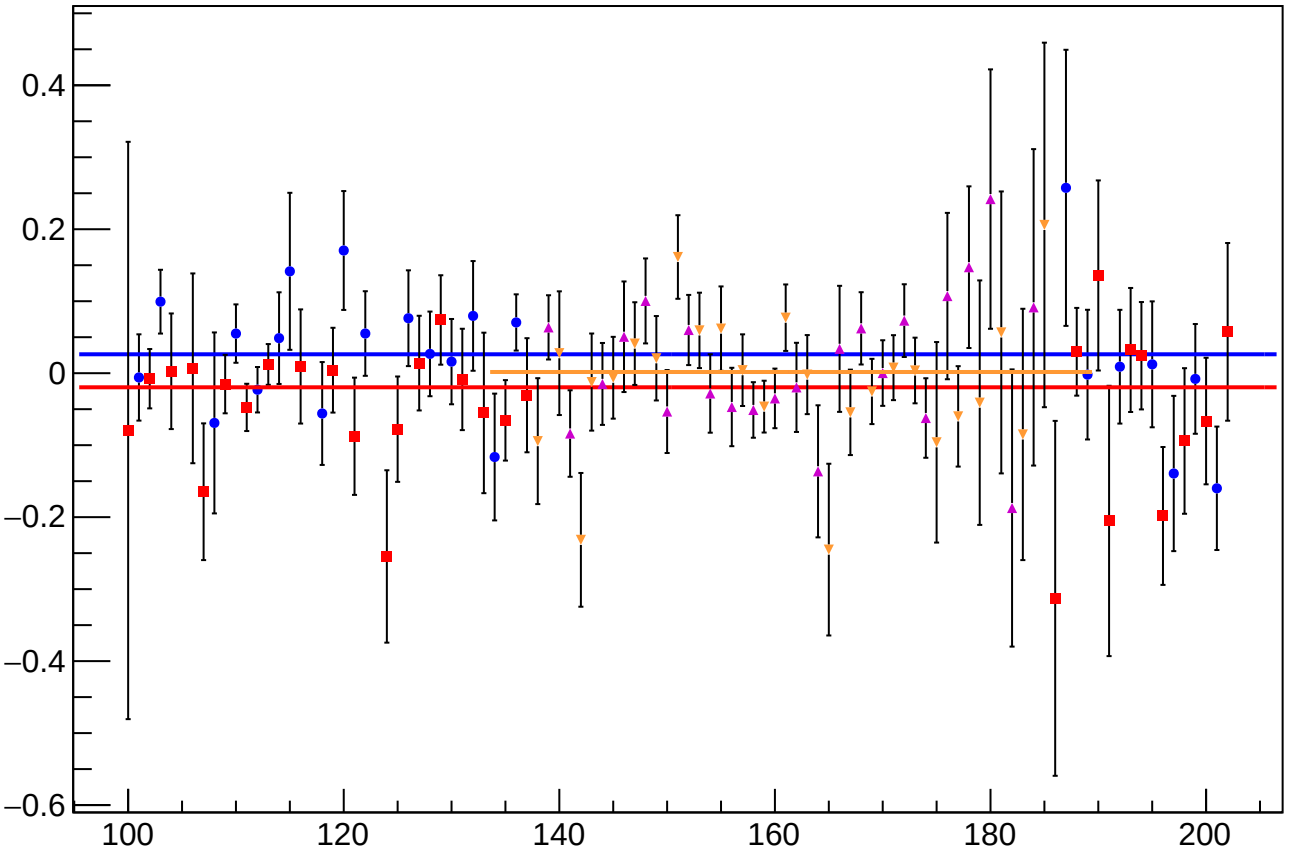
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9003054.2/51

In: 0.000+/-0.000 χ^2/NDF:7485140.0/45

Out: 0.000+/-0.000 χ^2/NDF:10064025.1/53

All: 0.000+/-0.000 χ^2/NDF: 17599945.5/99



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

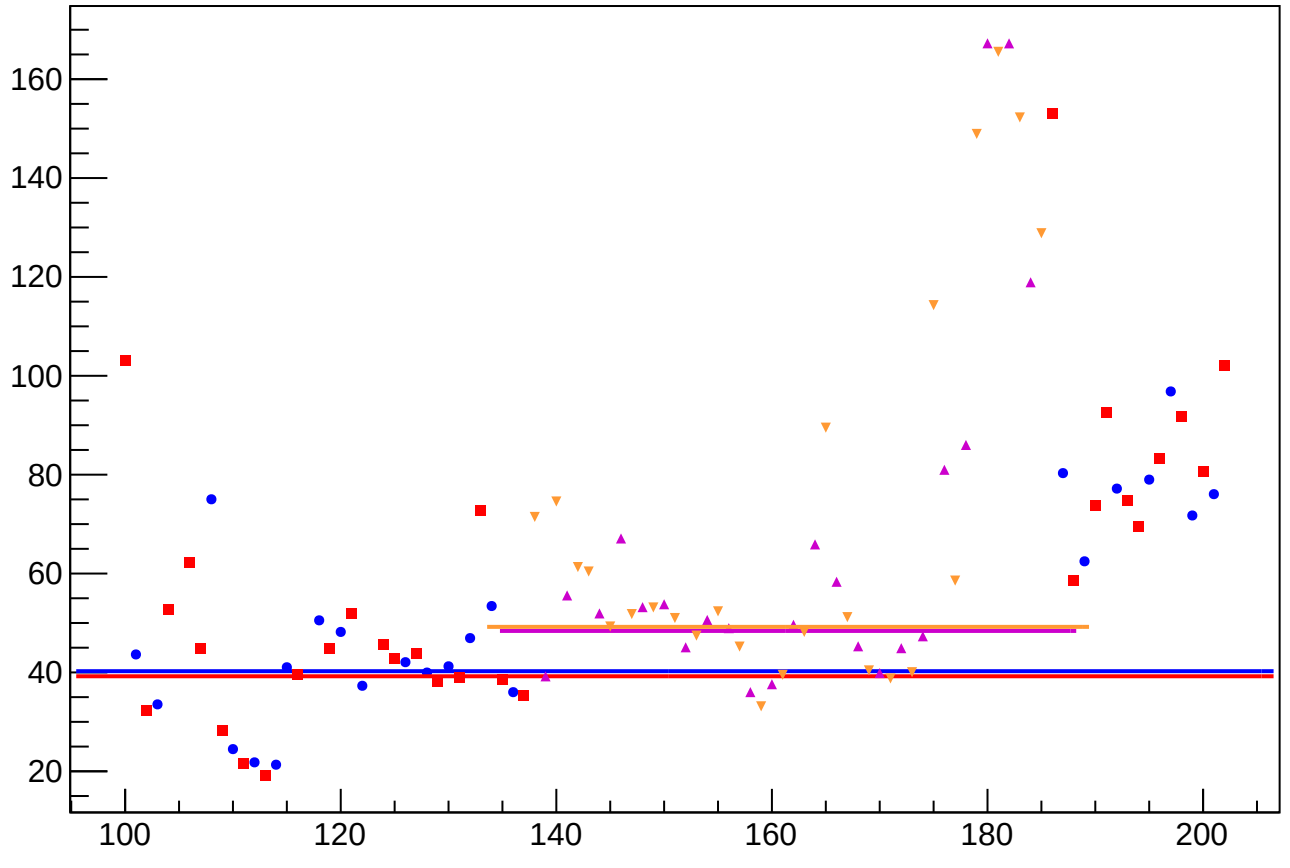
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.002+/-0.009 χ^2/NDF: 56.3/51

In: 0.013+/-0.009 χ^2/NDF:54.2/45

Out: -0.009+/-0.009 χ^2/NDF:55.2/53

All: 0.002+/-0.006 χ^2/NDF: 112.7/99



Right In: 40.250+/-0.009 χ^2/NDF: 3796998.3/22

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 39.221+/-0.009 χ^2/NDF: 5758672.2/28

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

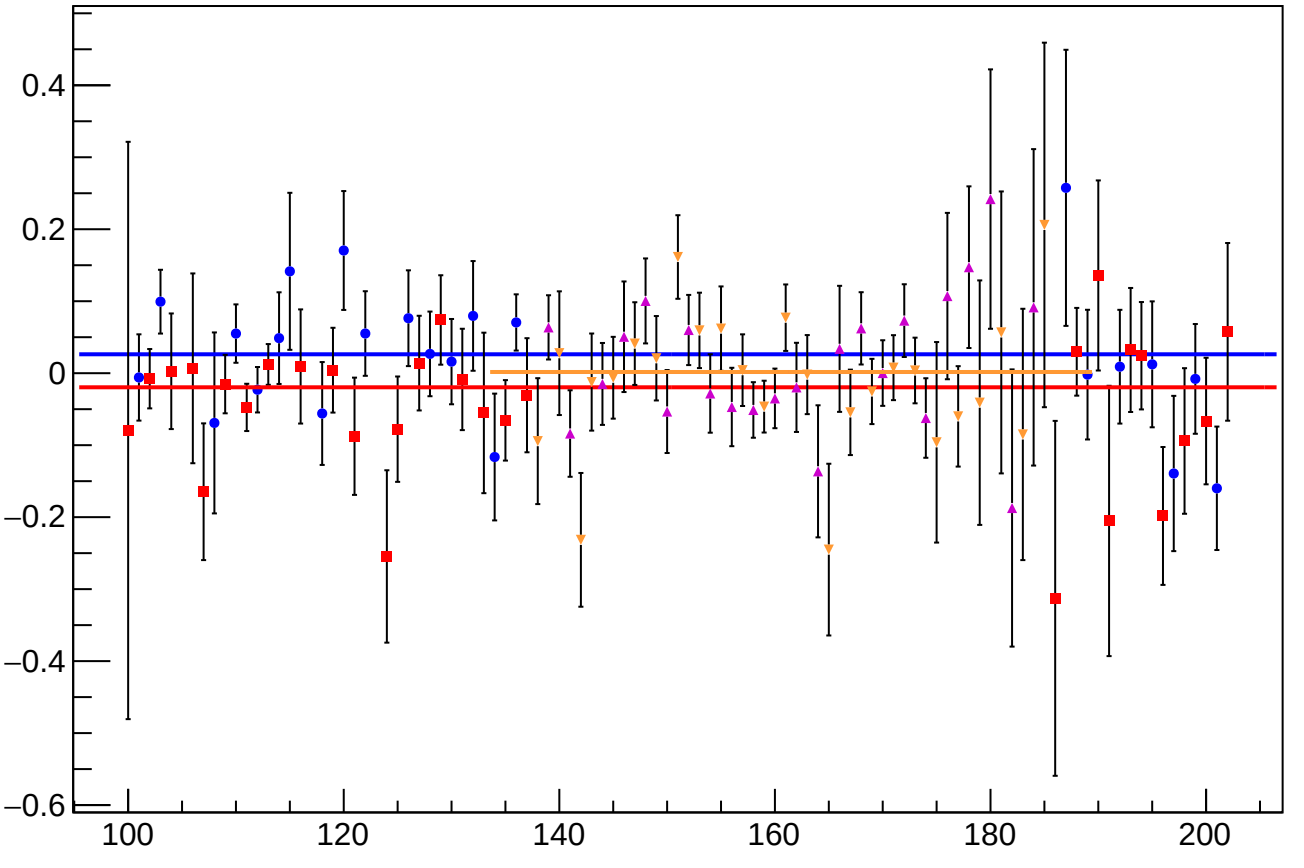
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 39.700+/-0.006 χ^2/NDF: 9562474.0/51

In: 44.489+/-0.006 χ^2/NDF:7245657.7/45

Out: 44.114+/-0.006 χ^2/NDF:10604772.6/53

All: 44.295+/-0.004 χ^2/NDF: 17852255.3/99



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

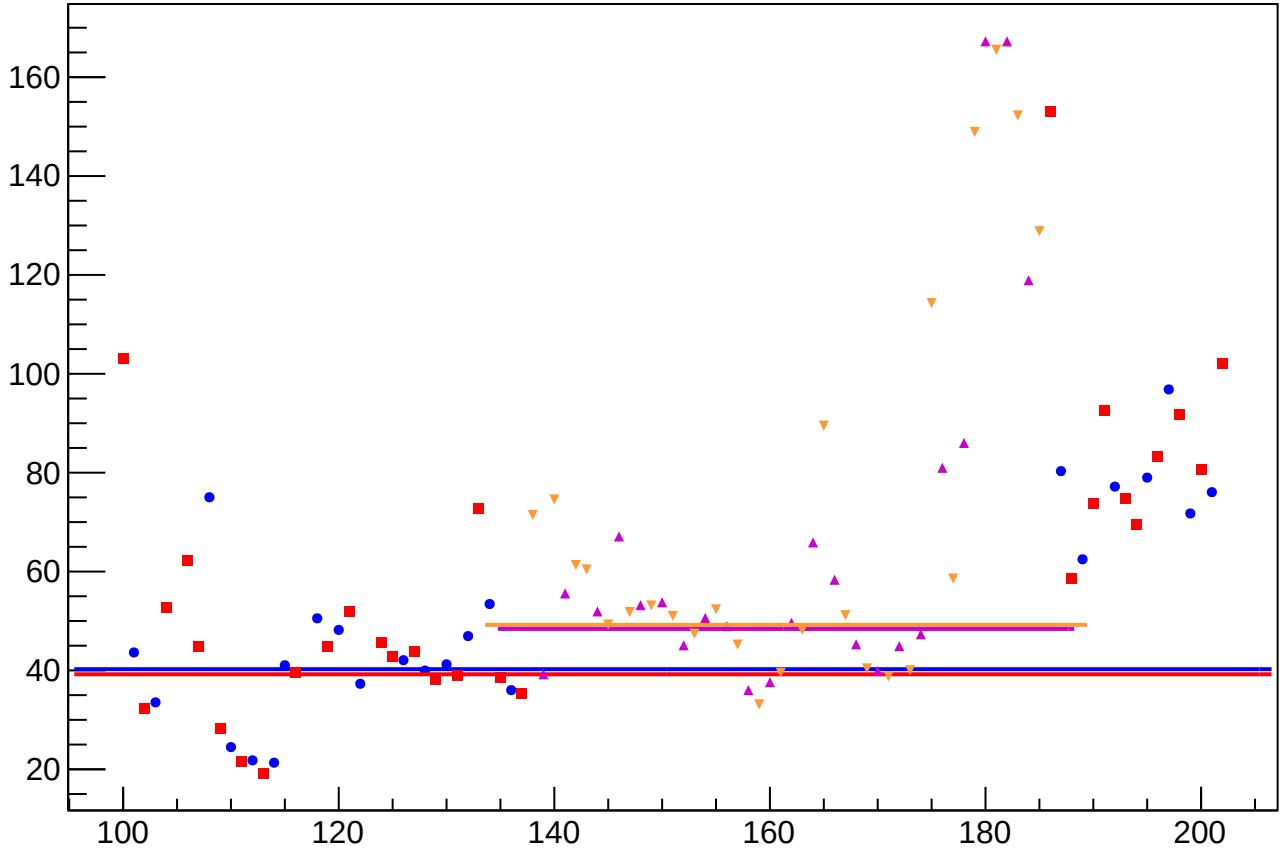
Right: 0.002+/-0.009 χ^2/NDF: 56.3/51

In: 0.013+/-0.009 χ^2/NDF:54.2/45

Out: -0.009+/-0.009 χ^2/NDF:55.2/53

All: 0.002+/-0.006 χ^2/NDF: 112.7/99

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.250+/-0.009 χ^2/NDF: 3796998.3/22

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 39.221+/-0.009 χ^2/NDF: 5758672.2/28

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

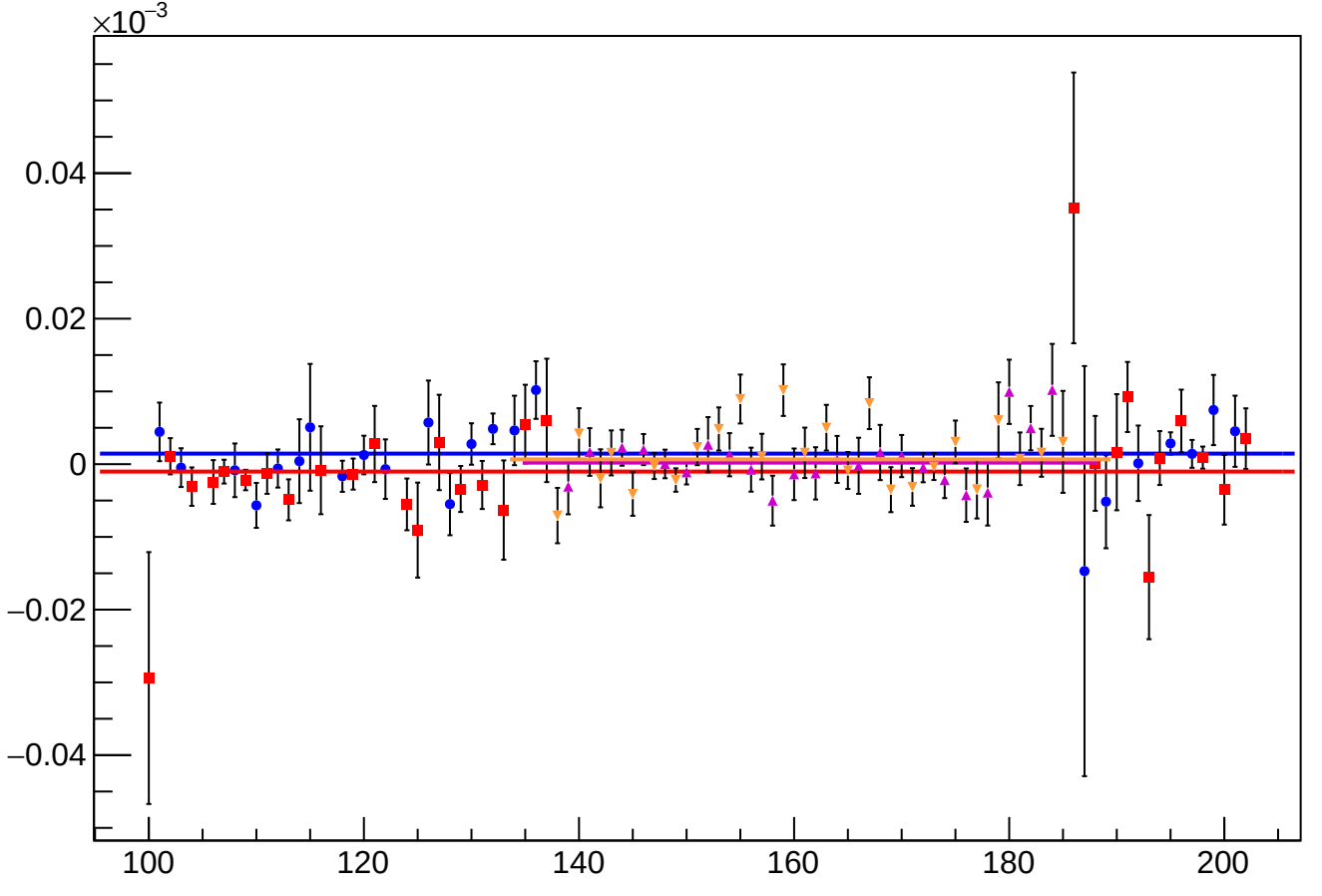
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 39.700+/-0.006 χ^2/NDF: 9562474.0/51

In: 44.489+/-0.006 χ^2/NDF:7245657.7/45

Out: 44.114+/-0.006 χ^2/NDF:10604772.6/53

All: 44.295+/-0.004 χ^2/NDF: 17852255.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/28

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

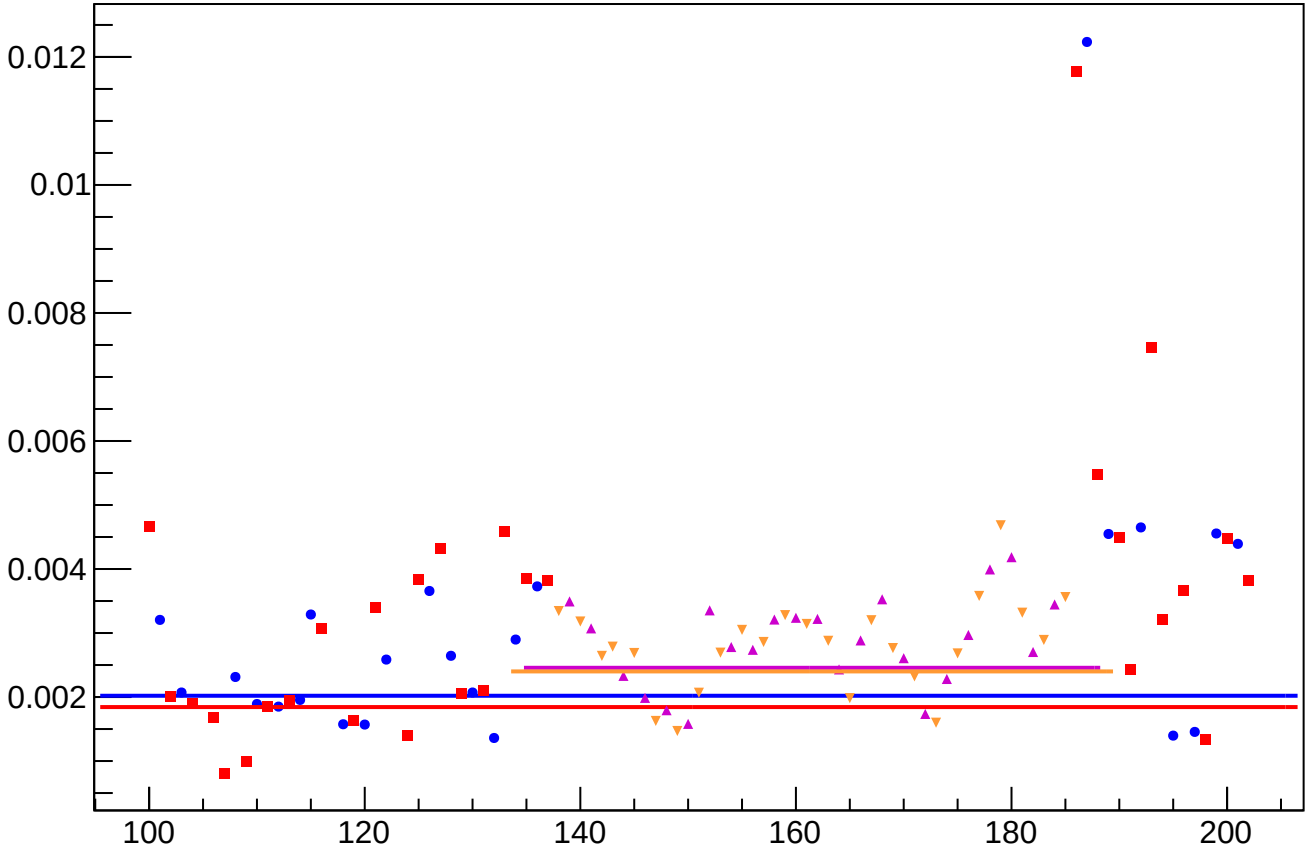
Right: 0.000+/-0.000 χ^2/NDF: 65.4/51

In: 0.000+/-0.000 χ^2/NDF:47.2/45

Out: -0.000+/-0.000 χ^2/NDF:77.7/53

All: 0.000+/-0.000 χ^2/NDF: 127.5/99

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3880284.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7335685.9/28

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

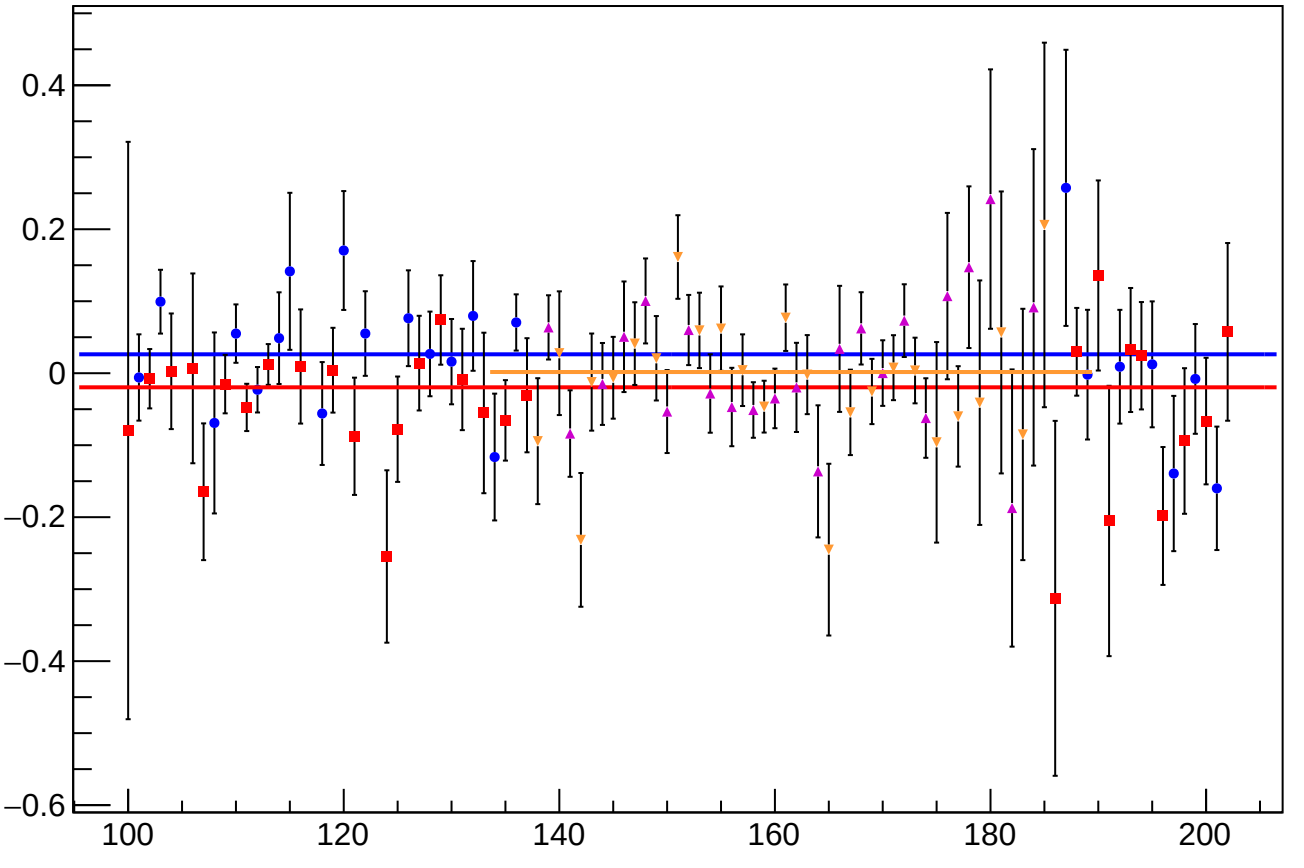
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 11298602.4/51

In: 0.002+/-0.000 χ^2/NDF:6998039.7/45

Out: 0.002+/-0.000 χ^2/NDF:11394846.5/53

All: 0.002+/-0.000 χ^2/NDF: 18487013.0/99



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

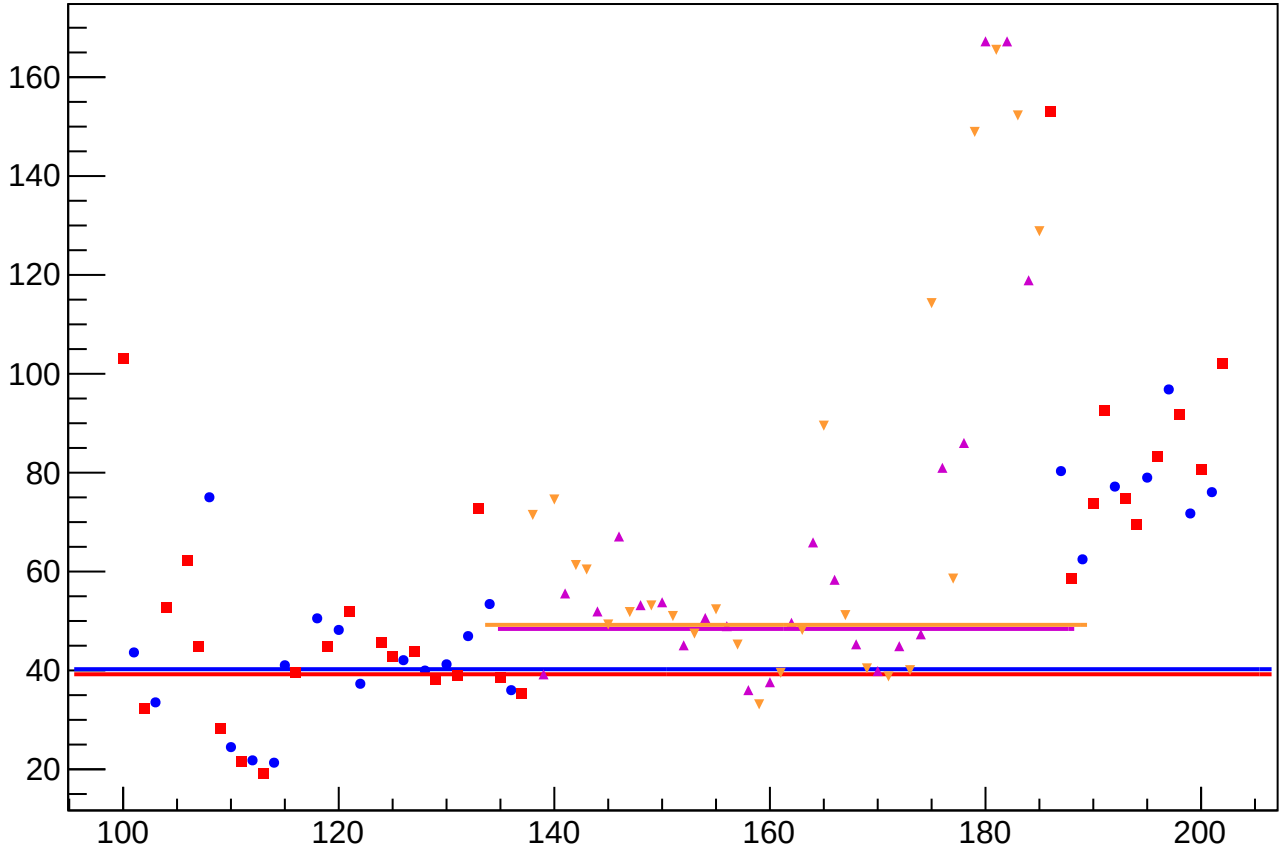
Right: 0.002+/-0.009 χ^2/NDF: 56.3/51

In: 0.013+/-0.009 χ^2/NDF:54.2/45

Out: -0.009+/-0.009 χ^2/NDF:55.2/53

All: 0.002+/-0.006 χ^2/NDF: 112.7/99

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.250+/-0.009 χ^2/NDF: 3796892.5/22

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 39.221+/-0.009 χ^2/NDF: 5758622.6/28

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

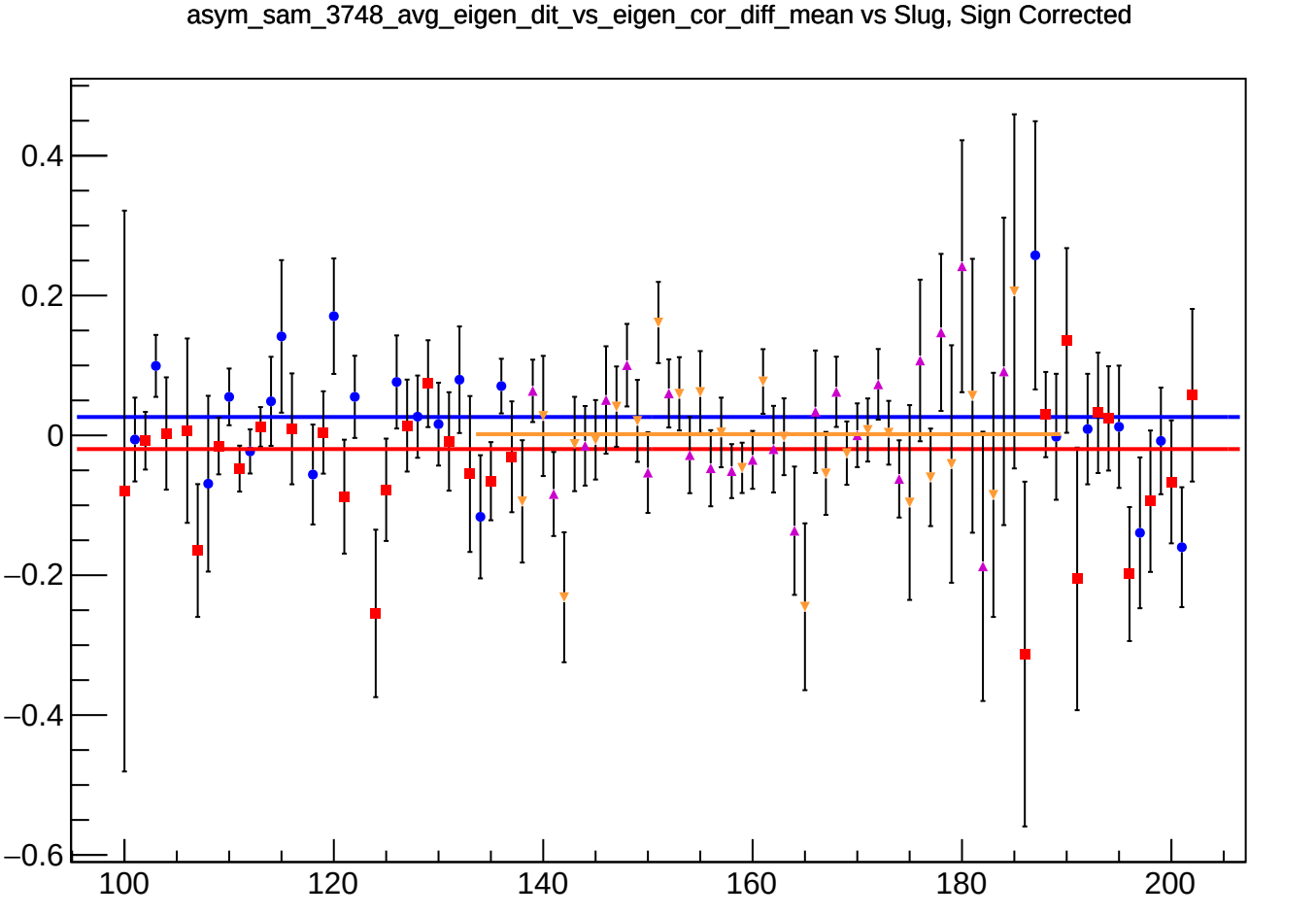
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 39.701+/-0.006 χ^2/NDF: 9562317.2/51

In: 44.489+/-0.006 χ^2/NDF:7245530.7/45

Out: 44.115+/-0.006 χ^2/NDF:10604695.2/53

All: 44.295+/-0.004 χ^2/NDF: 17852050.3/99



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

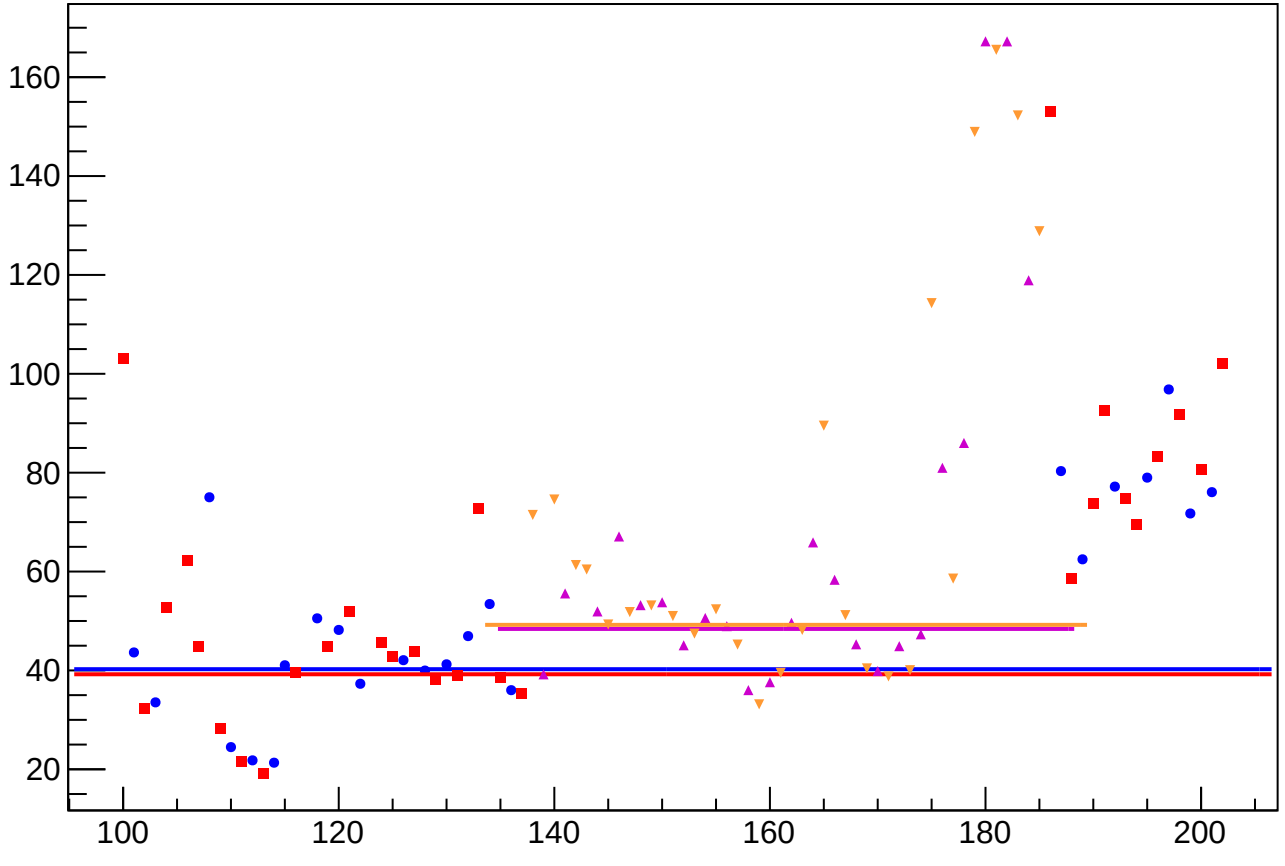
Right: 0.002+/-0.009 χ^2/NDF: 56.3/51

In: 0.013+/-0.009 χ^2/NDF:54.2/45

Out: -0.009+/-0.009 χ^2/NDF:55.2/53

All: 0.002+/-0.006 χ^2/NDF: 112.7/99

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.250+/-0.009 χ^2/NDF: 3796892.5/22

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 39.221+/-0.009 χ^2/NDF: 5758622.6/28

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

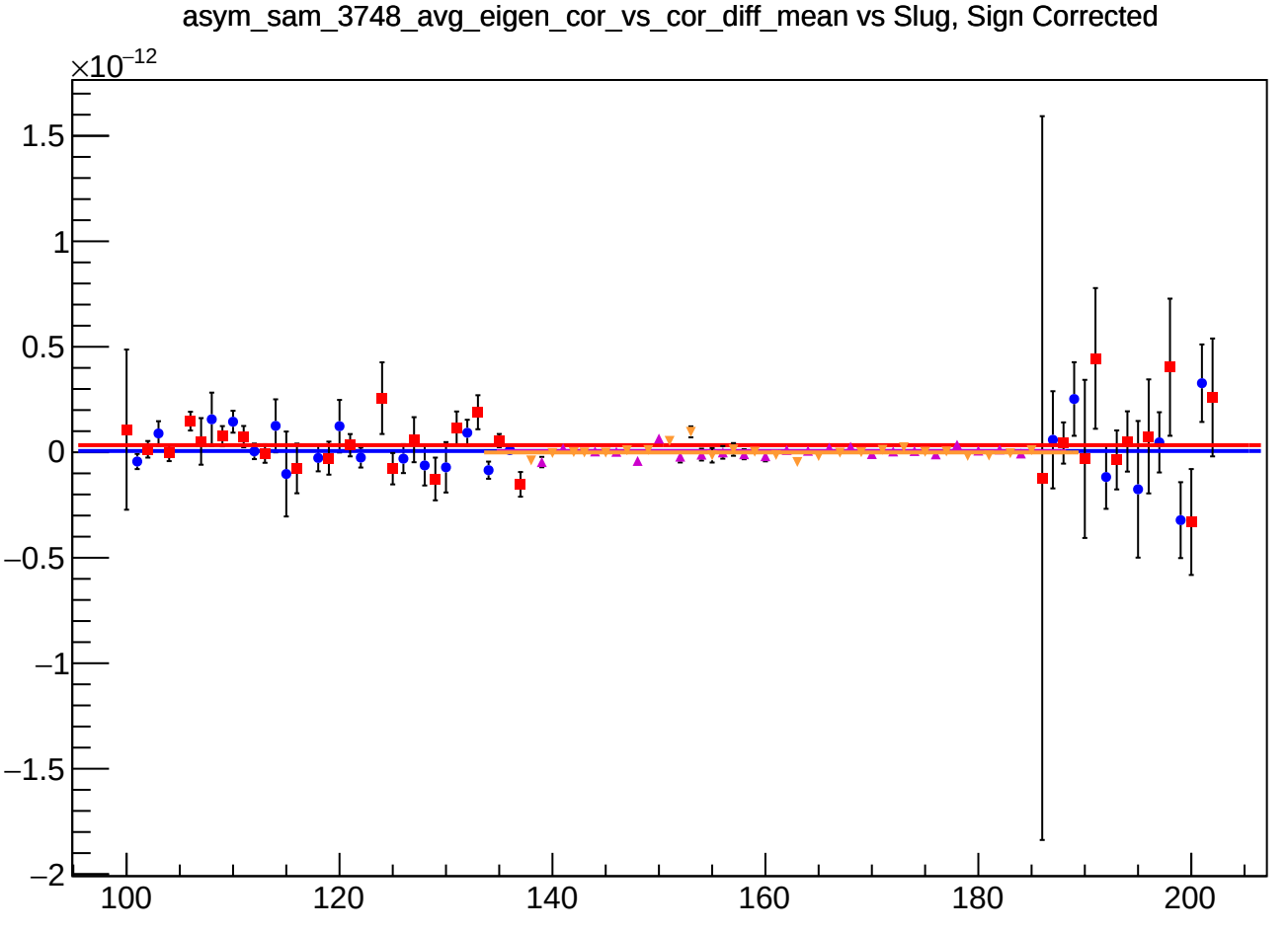
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 39.701+/-0.006 χ^2/NDF: 9562317.2/51

In: 44.489+/-0.006 χ^2/NDF:7245530.7/45

Out: 44.115+/-0.006 χ^2/NDF:10604695.2/53

All: 44.295+/-0.004 χ^2/NDF: 17852050.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.4/28

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

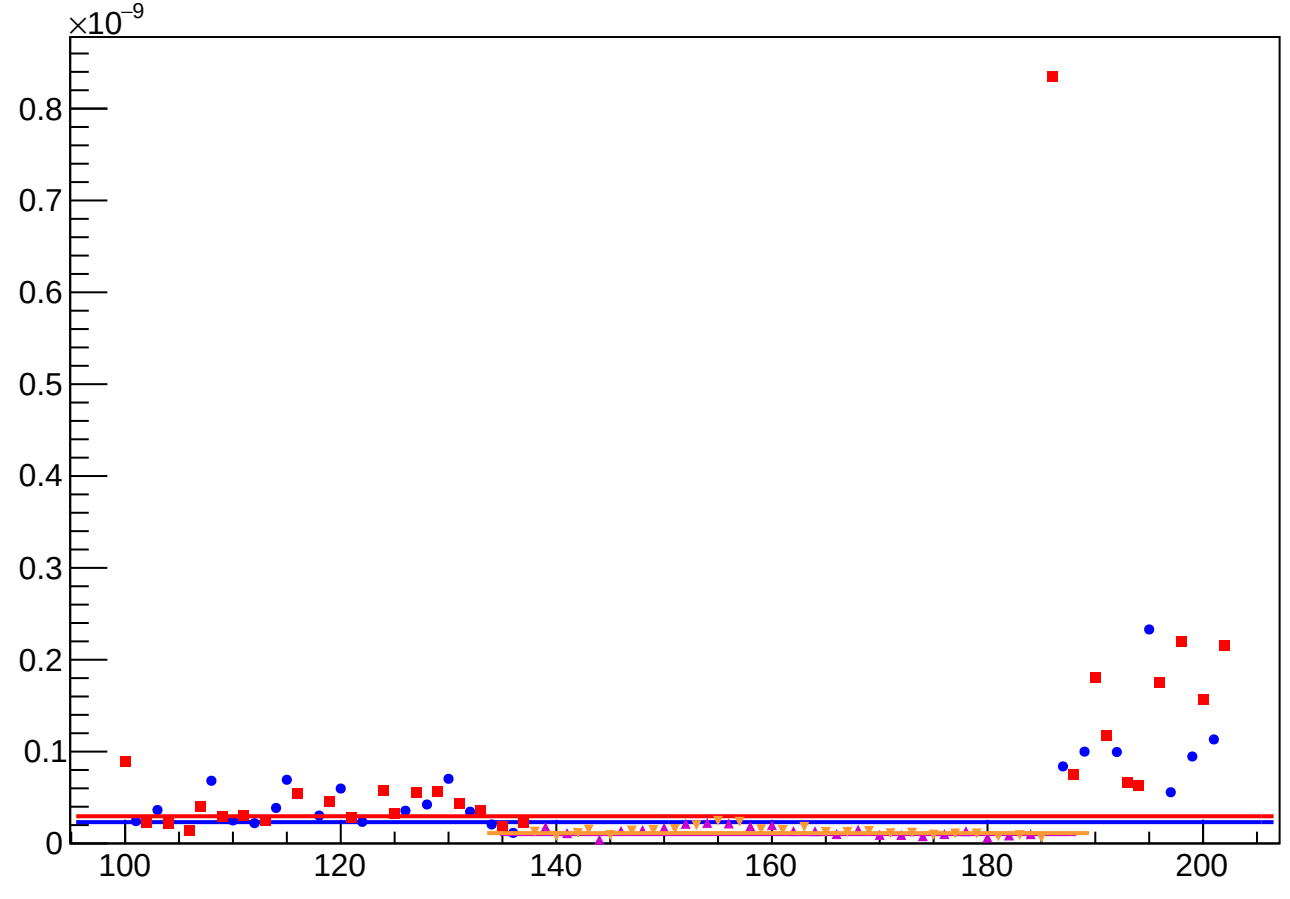
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 75.1/51

In: 0.000+/-0.000 χ^2/NDF:61.5/45

Out: 0.000+/-0.000 χ^2/NDF:83.2/53

All: 0.000+/-0.000 χ^2/NDF: 145.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 4922538.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5573676.9/28

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

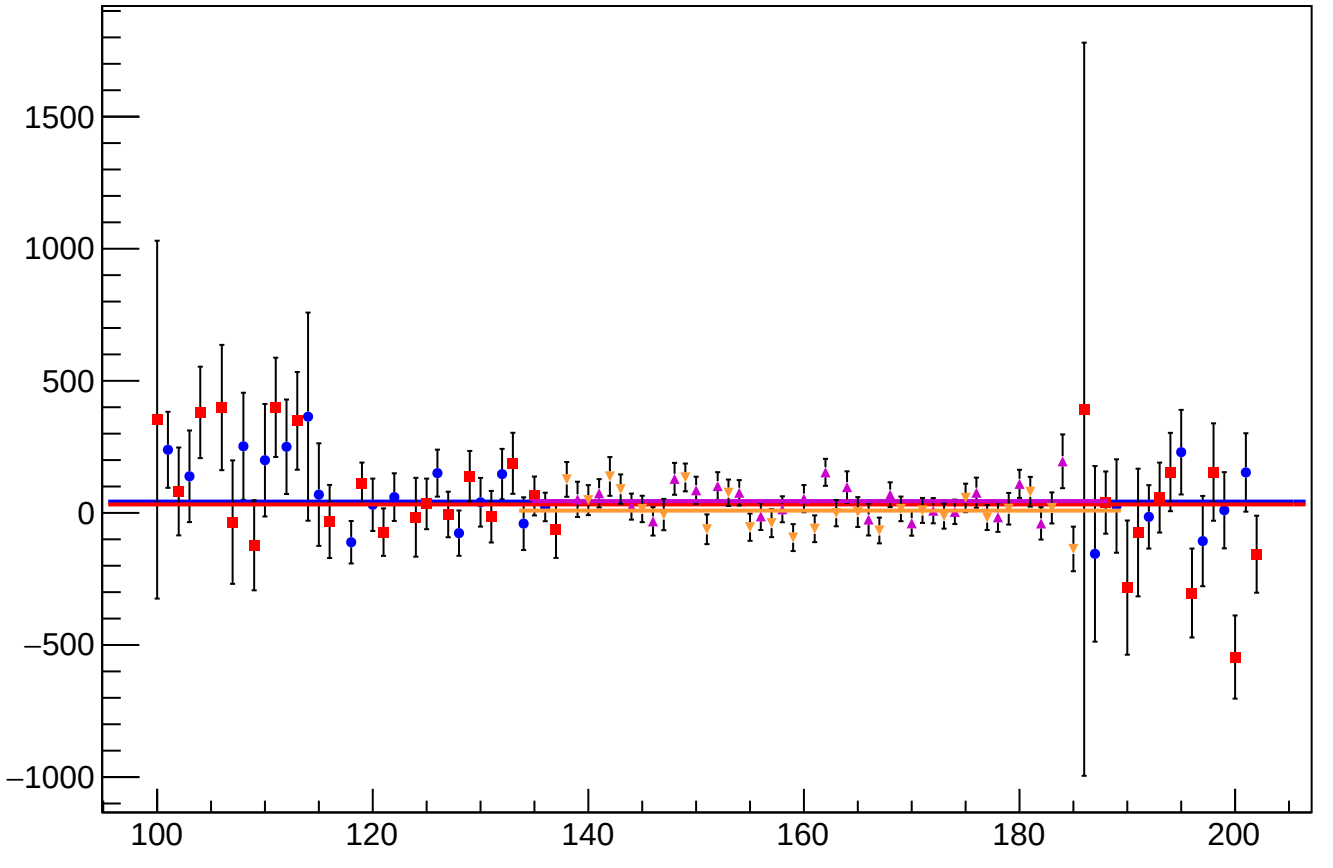
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 10779859.0/51

In: 0.000+/-0.000 χ^2/NDF:11436139.8/45

Out: 0.000+/-0.000 χ^2/NDF:11647148.2/53

All: 0.000+/-0.000 χ^2/NDF: 23262134.3/99



Right In: 42.777+/-23.691 χ^2/NDF: 18.3/22

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 32.109+/-23.956 χ^2/NDF: 43.6/28

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

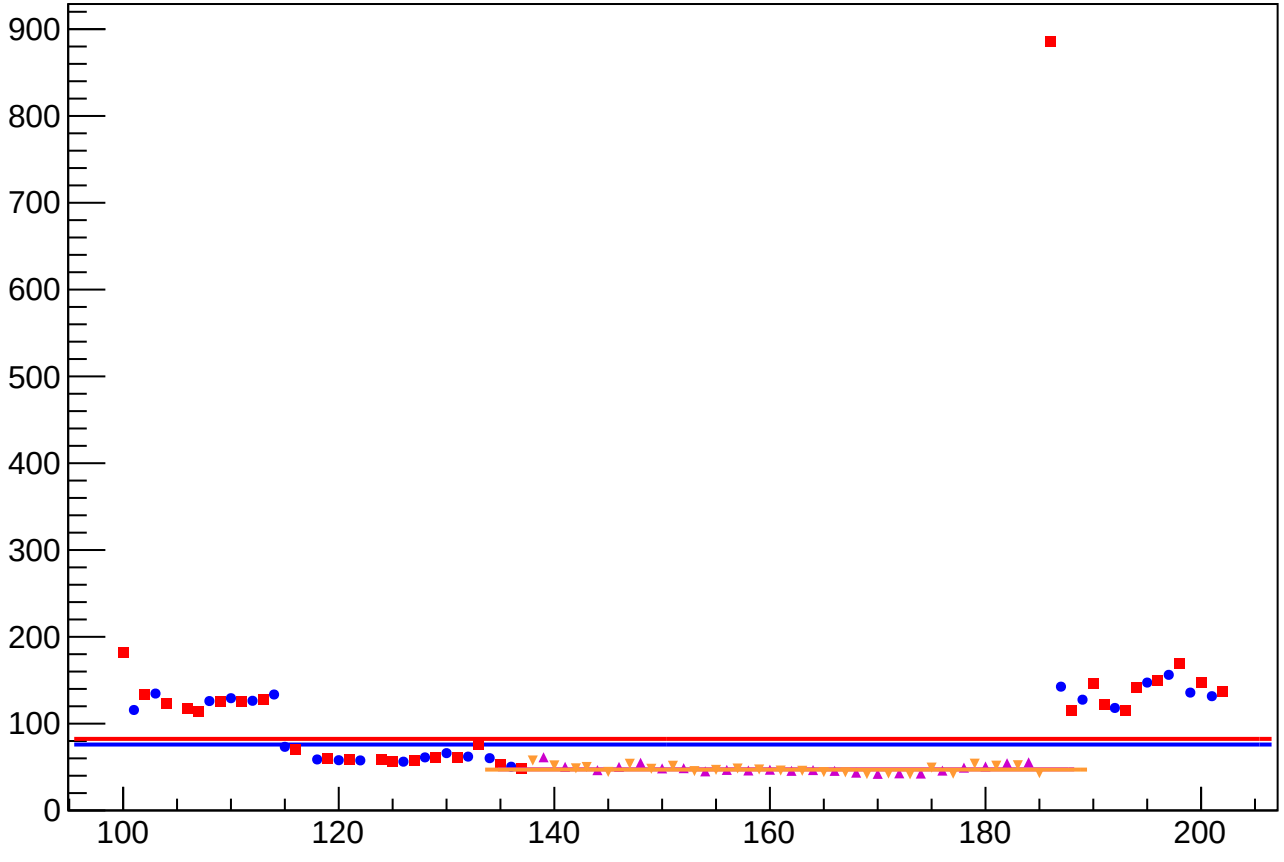
Right: 37.502+/-16.845 χ^2/NDF: 62.0/51

In: 44.221+/-10.087 χ^2/NDF:45.3/45

Out: 12.682+/-9.823 χ^2/NDF:79.0/53

All: 28.032+/-7.037 χ^2/NDF: 129.3/99

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 75.926+/-0.017 χ^2/NDF: 3754671.2/22

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.443+/-0.017 χ^2/NDF: 4982780.8/28

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

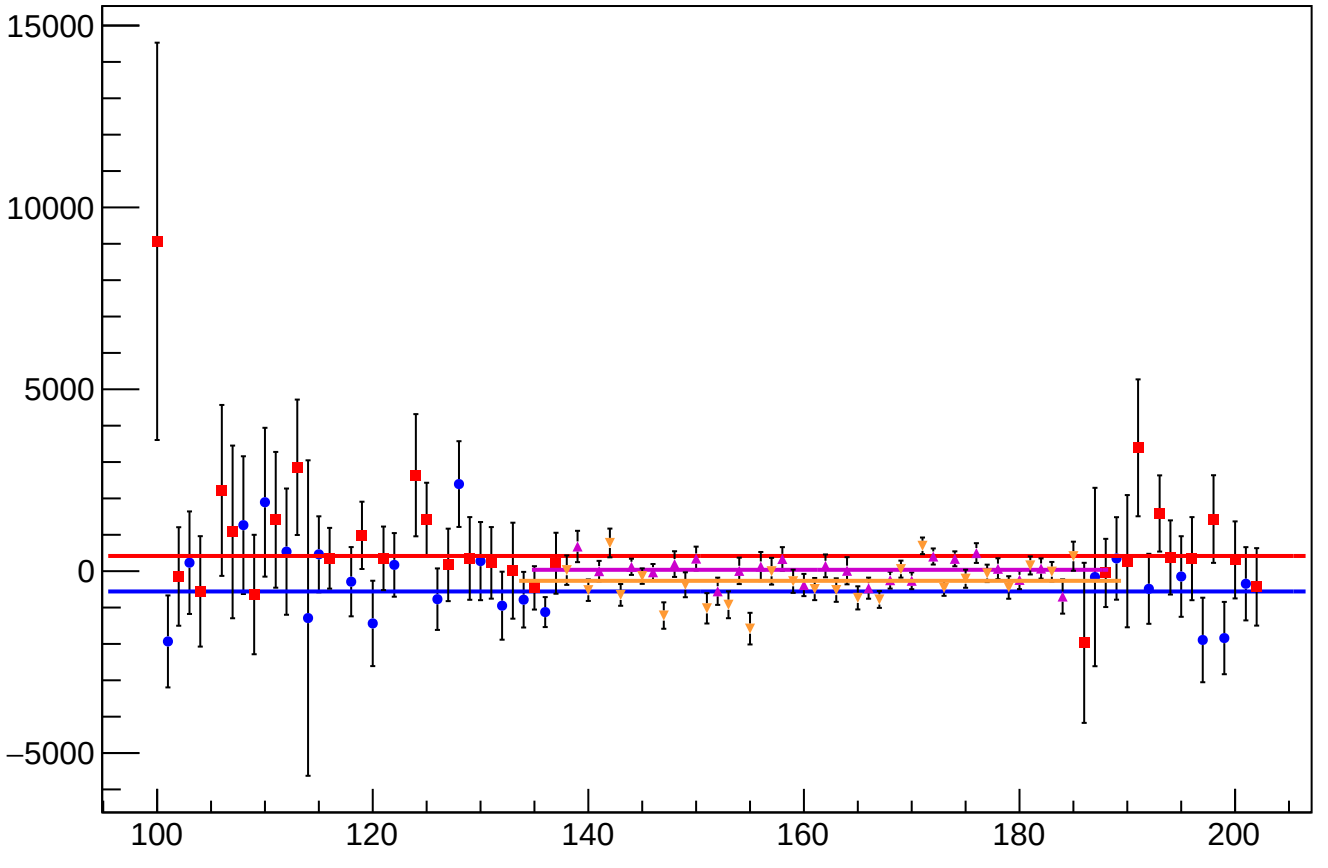
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.149+/-0.012 χ^2/NDF: 8812278.5/51

In: 52.558+/-0.007 χ^2/NDF:6402491.1/45

Out: 53.012+/-0.007 χ^2/NDF:8899057.4/53

All: 52.791+/-0.005 χ^2/NDF: 15303623.7/99



Right In: -557.860+/-206.769 χ^2/NDF: 19.5/22

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 417.908+/-212.039 χ^2/NDF: 18.3/28

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

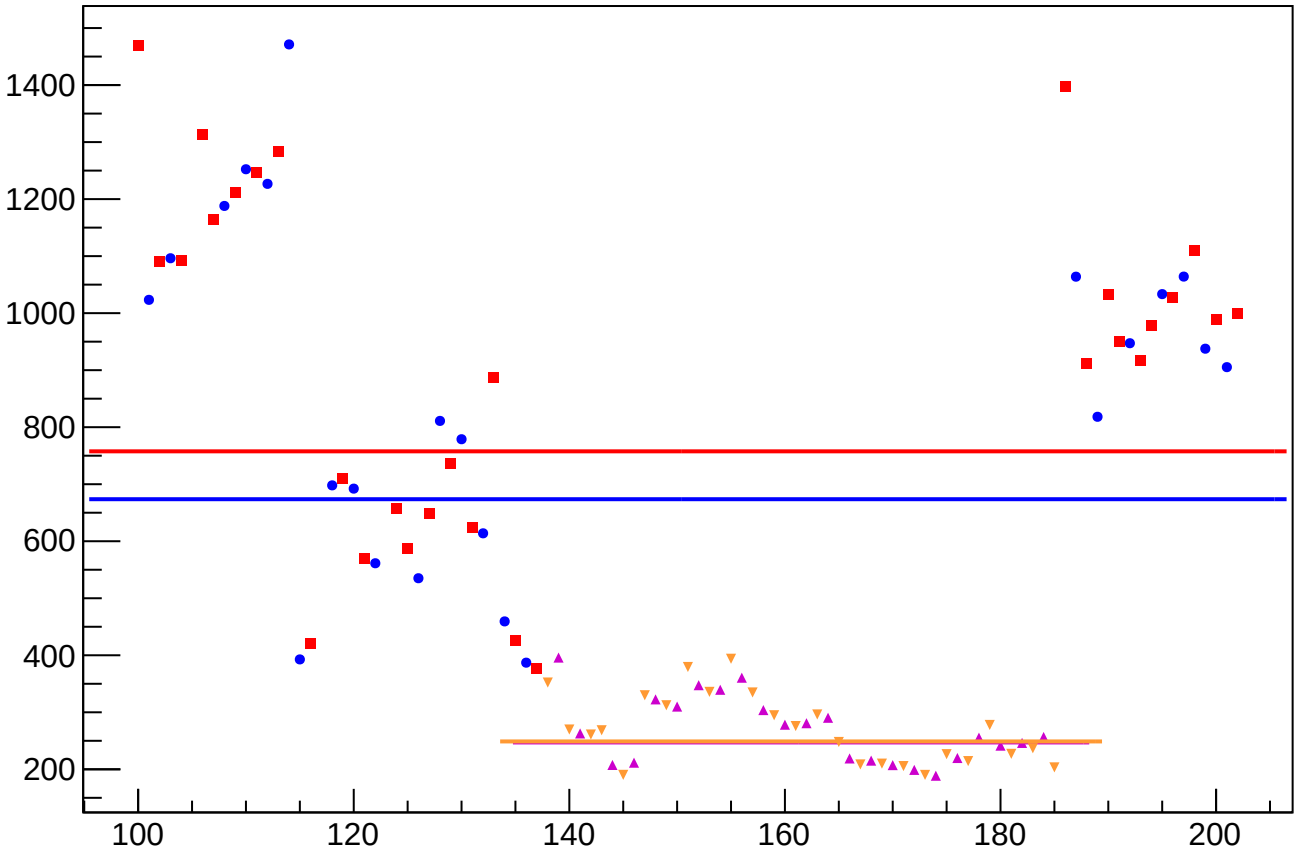
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -82.252+/-148.036 χ^2/NDF: 48.6/51

In: -7.522+/-56.877 χ^2/NDF:53.8/45

Out: -218.049+/-55.973 χ^2/NDF:97.8/53

All: -114.473+/-39.895 χ^2/NDF: 158.5/99



Right In: 673.705+/-0.146 χ^2/NDF: 3251469.7/22

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 757.661+/-0.150 χ^2/NDF: 3384305.4/28

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

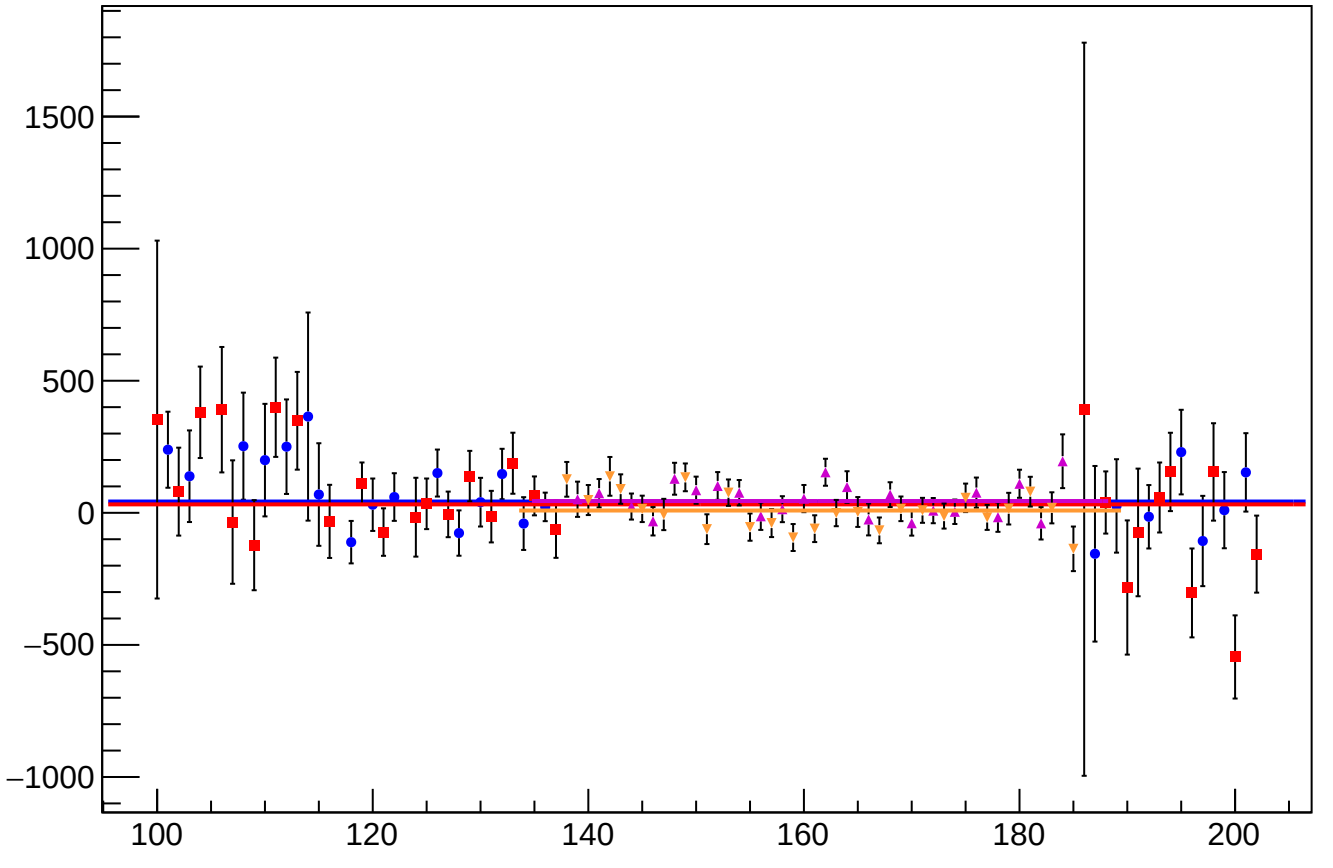
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 714.627+/-0.105 χ^2/NDF: 6796494.9/51

In: 279.388+/-0.040 χ^2/NDF:12604923.8/45

Out: 284.343+/-0.040 χ^2/NDF:15760096.2/53

All: 281.905+/-0.028 χ^2/NDF: 28372731.2/99



Right In: 42.769+/-23.691 χ^2/NDF: 18.3/22

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 31.990+/-23.957 χ^2/NDF: 43.5/28

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

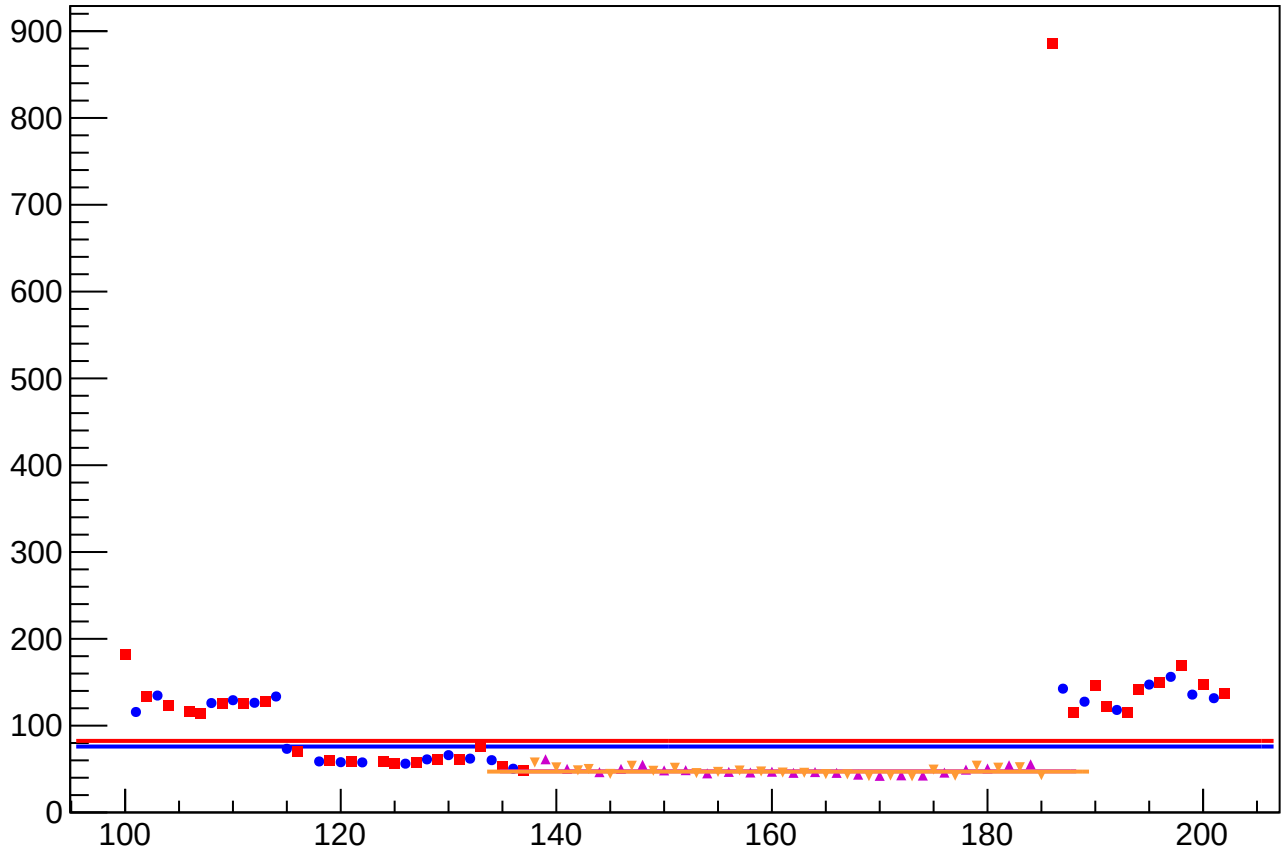
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 37.439+/-16.845 χ^2/NDF: 61.9/51

In: 44.219+/-10.087 χ^2/NDF:45.3/45

Out: 12.663+/-9.823 χ^2/NDF:78.9/53

All: 28.022+/-7.037 χ^2/NDF: 129.2/99



Right In: 75.926+/-0.017 χ^2/NDF: 3754673.5/22

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.432+/-0.017 χ^2/NDF: 4980507.7/28

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

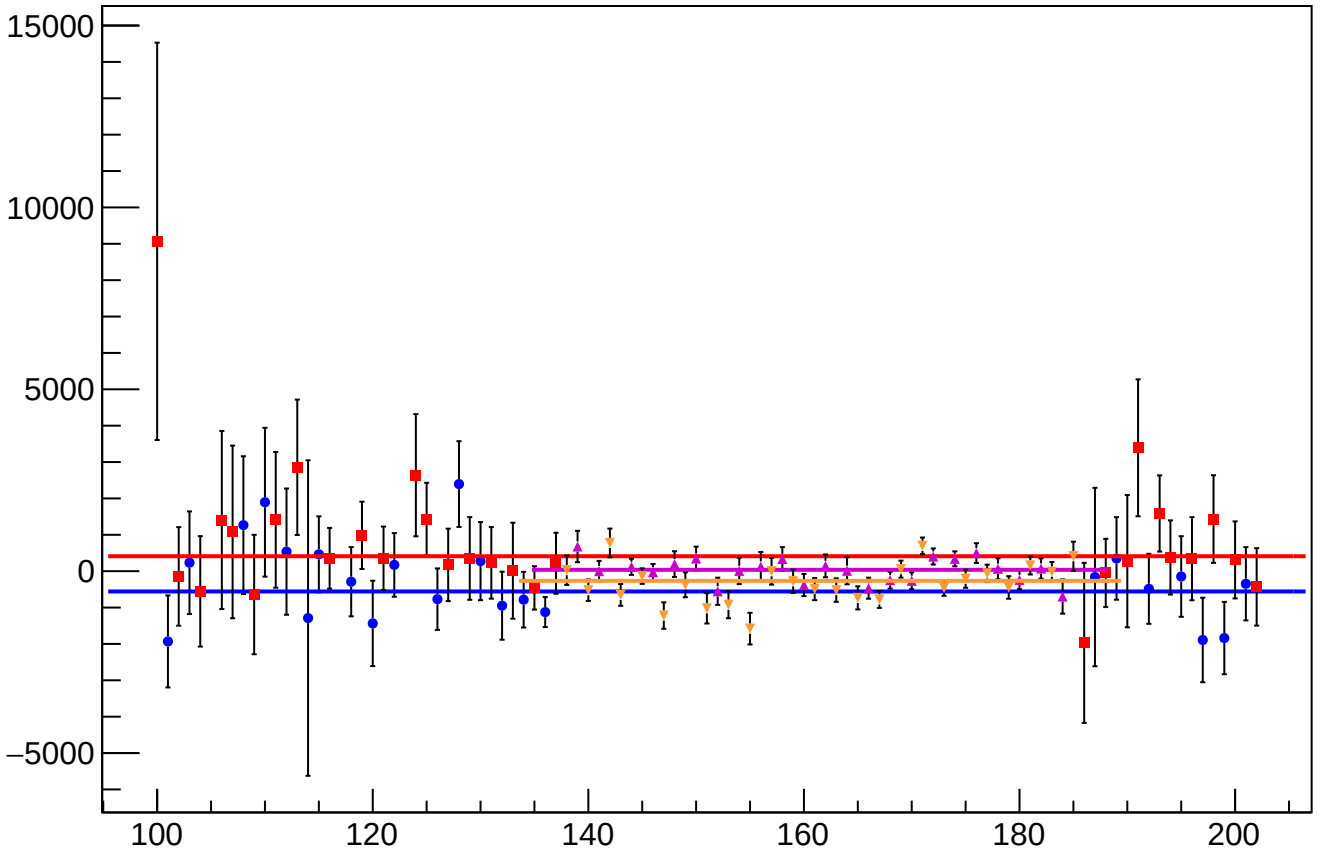
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.143+/-0.012 χ^2/NDF: 8809758.0/51

In: 52.558+/-0.007 χ^2/NDF:6402493.1/45

Out: 53.010+/-0.007 χ^2/NDF:8894429.1/53

All: 52.790+/-0.005 χ^2/NDF: 15298978.8/99



Right In: -557.848+/-206.769 χ^2/NDF: 19.5/22

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 410.718+/-212.111 χ^2/NDF: 17.9/28

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

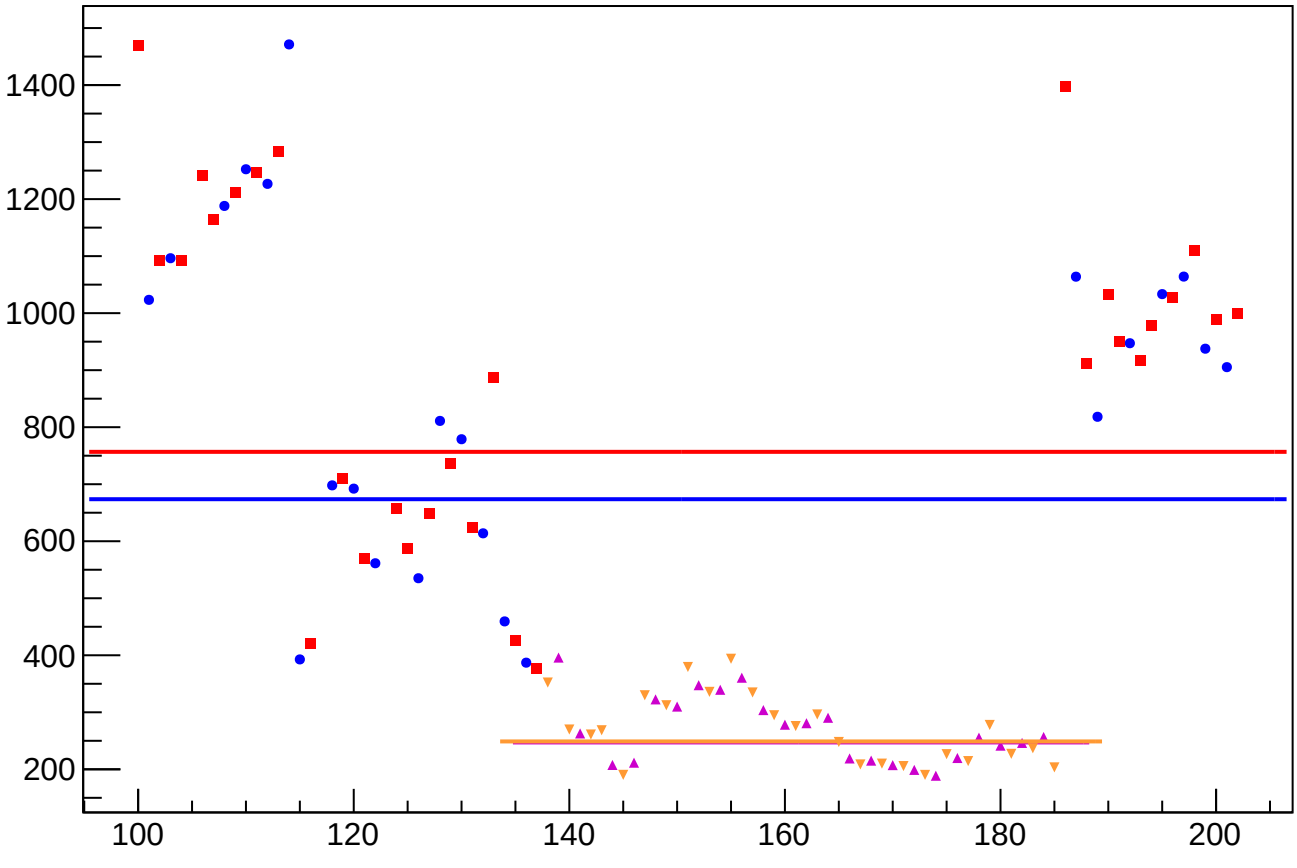
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -85.913+/-148.060 χ^2/NDF: 48.1/51

In: -7.523+/-56.877 χ^2/NDF:53.8/45

Out: -218.577+/-55.974 χ^2/NDF:97.1/53

All: -114.739+/-39.895 χ^2/NDF: 157.9/99



Right In: 673.705+/-0.146 χ^2/NDF: 3251509.9/22

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 756.773+/-0.150 χ^2/NDF: 3350923.5/28

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

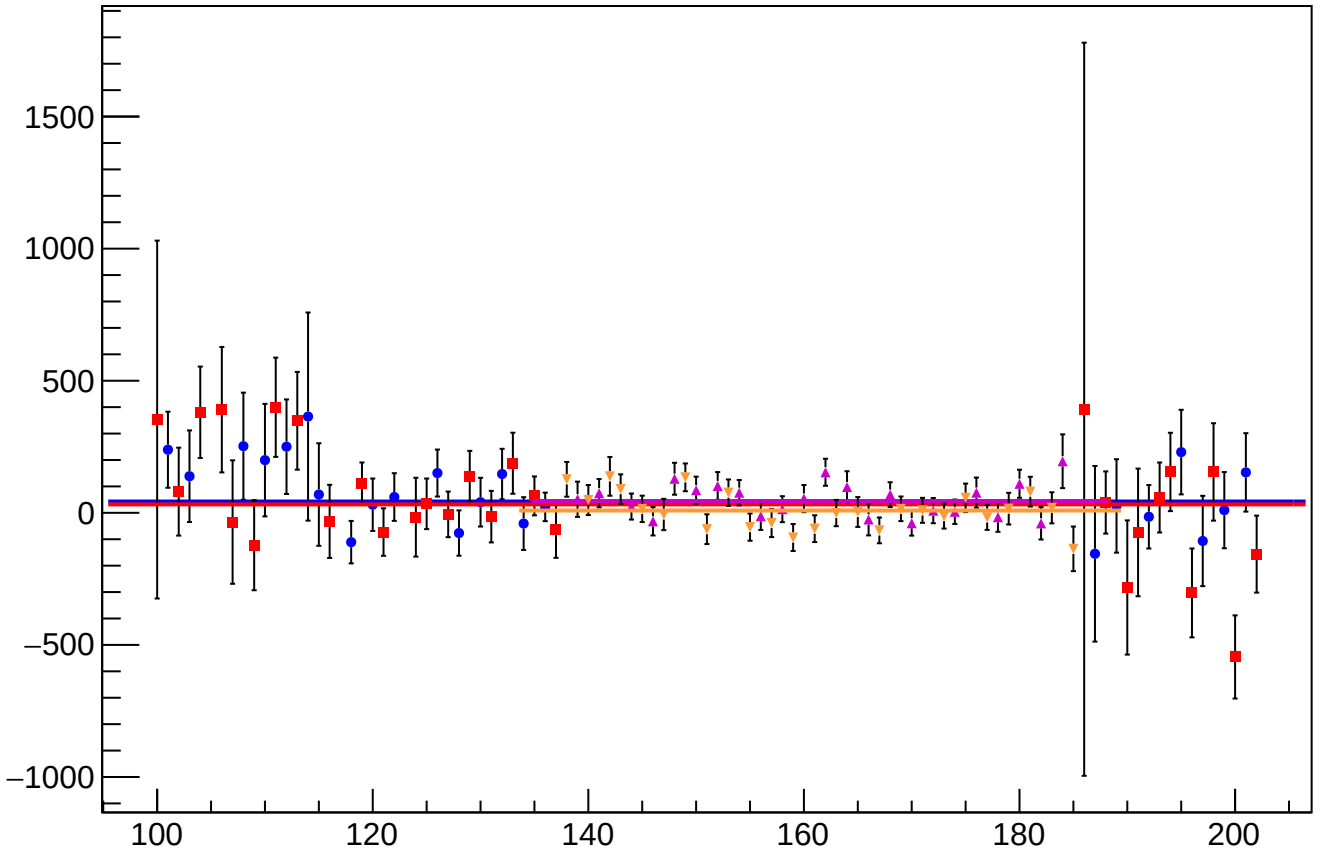
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 714.180+/-0.105 χ^2/NDF: 6759715.2/51

In: 279.388+/-0.040 χ^2/NDF:12604935.6/45

Out: 284.259+/-0.040 χ^2/NDF:15682638.4/53

All: 281.863+/-0.028 χ^2/NDF: 28295024.5/99



Right In: 42.769+/-23.691 χ^2/NDF: 18.3/22

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 31.990+/-23.957 χ^2/NDF: 43.5/28

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

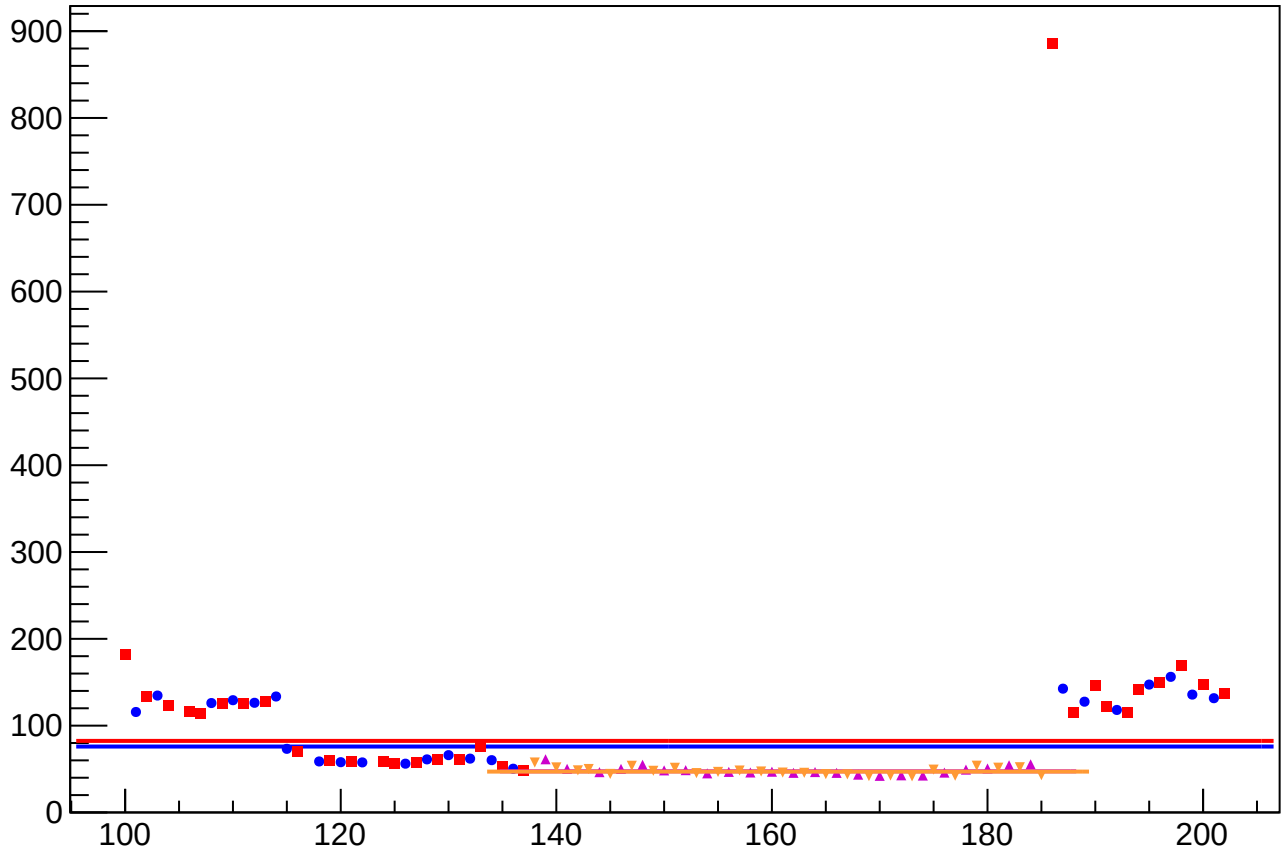
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 37.439+/-16.845 χ^2/NDF: 61.9/51

In: 44.219+/-10.087 χ^2/NDF:45.3/45

Out: 12.663+/-9.823 χ^2/NDF:78.9/53

All: 28.022+/-7.037 χ^2/NDF: 129.2/99



Right In: 75.926+/-0.017 χ^2/NDF: 3754673.5/22

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.432+/-0.017 χ^2/NDF: 4980507.7/28

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

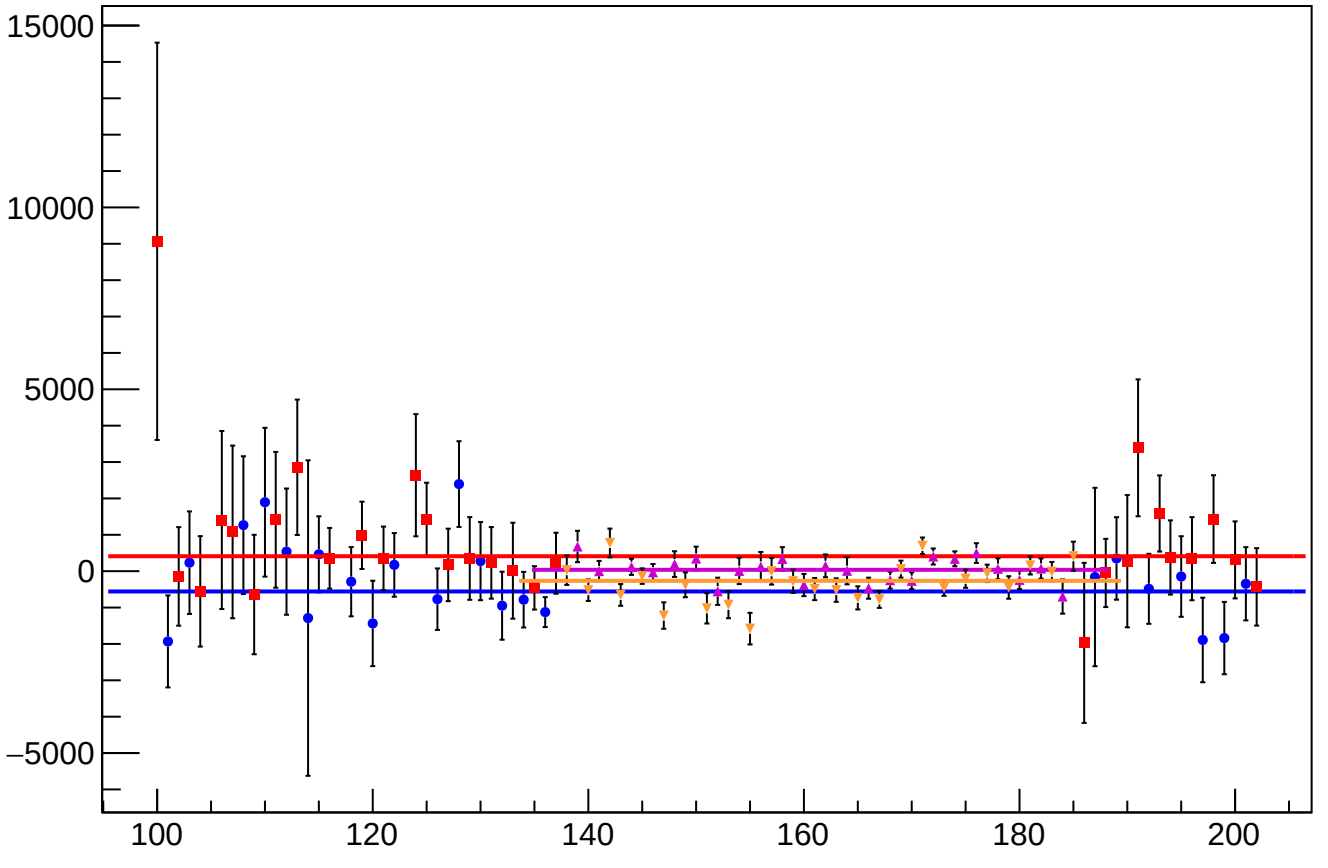
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.143+/-0.012 χ^2/NDF: 8809758.0/51

In: 52.558+/-0.007 χ^2/NDF:6402493.1/45

Out: 53.010+/-0.007 χ^2/NDF:8894429.1/53

All: 52.790+/-0.005 χ^2/NDF: 15298978.8/99



Right In: -557.848+/-206.769 χ^2/NDF: 19.5/22

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 410.718+/-212.111 χ^2/NDF: 17.9/28

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

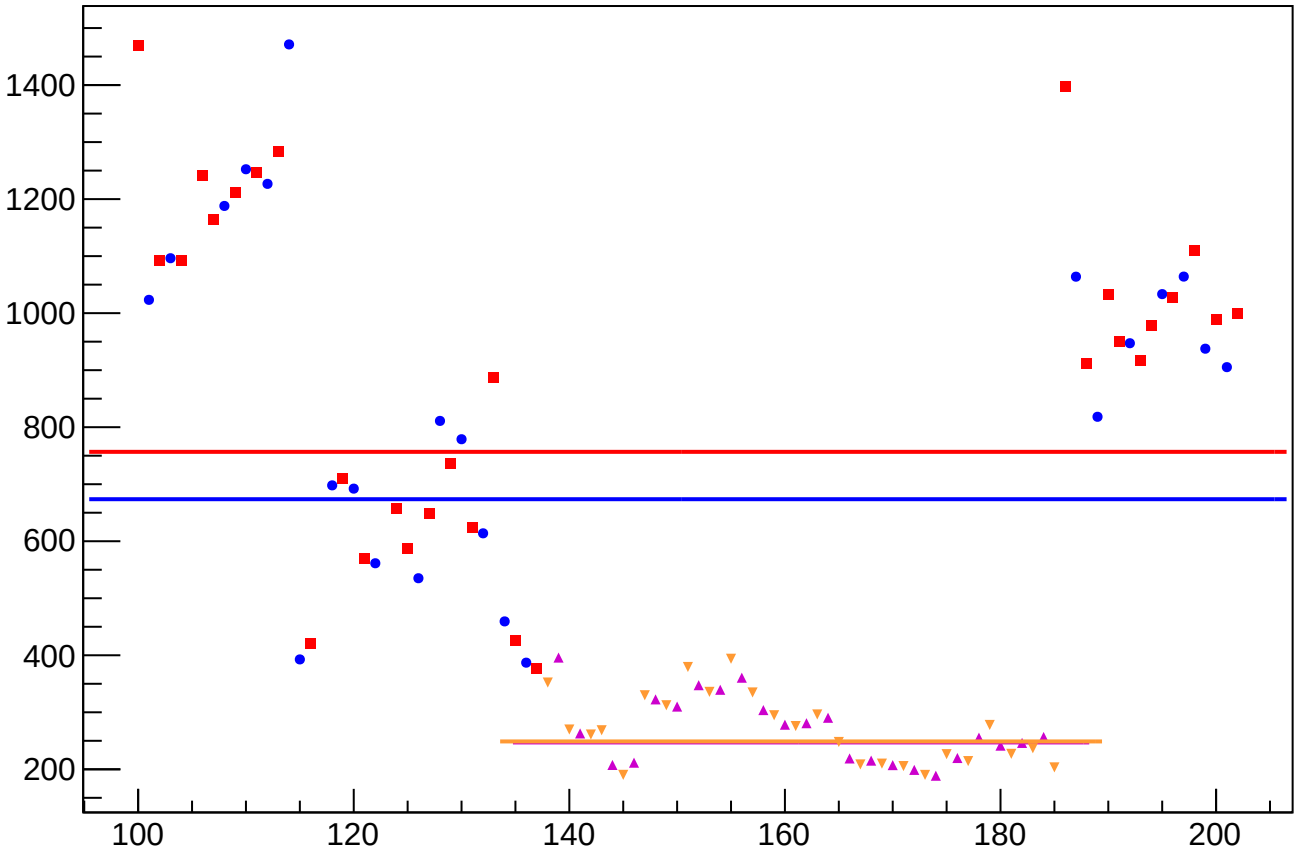
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -85.913+/-148.060 χ^2/NDF: 48.1/51

In: -7.523+/-56.877 χ^2/NDF:53.8/45

Out: -218.577+/-55.974 χ^2/NDF:97.1/53

All: -114.739+/-39.895 χ^2/NDF: 157.9/99



Right In: 673.705+/-0.146 χ^2/NDF: 3251509.9/22

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 756.773+/-0.150 χ^2/NDF: 3350923.5/28

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

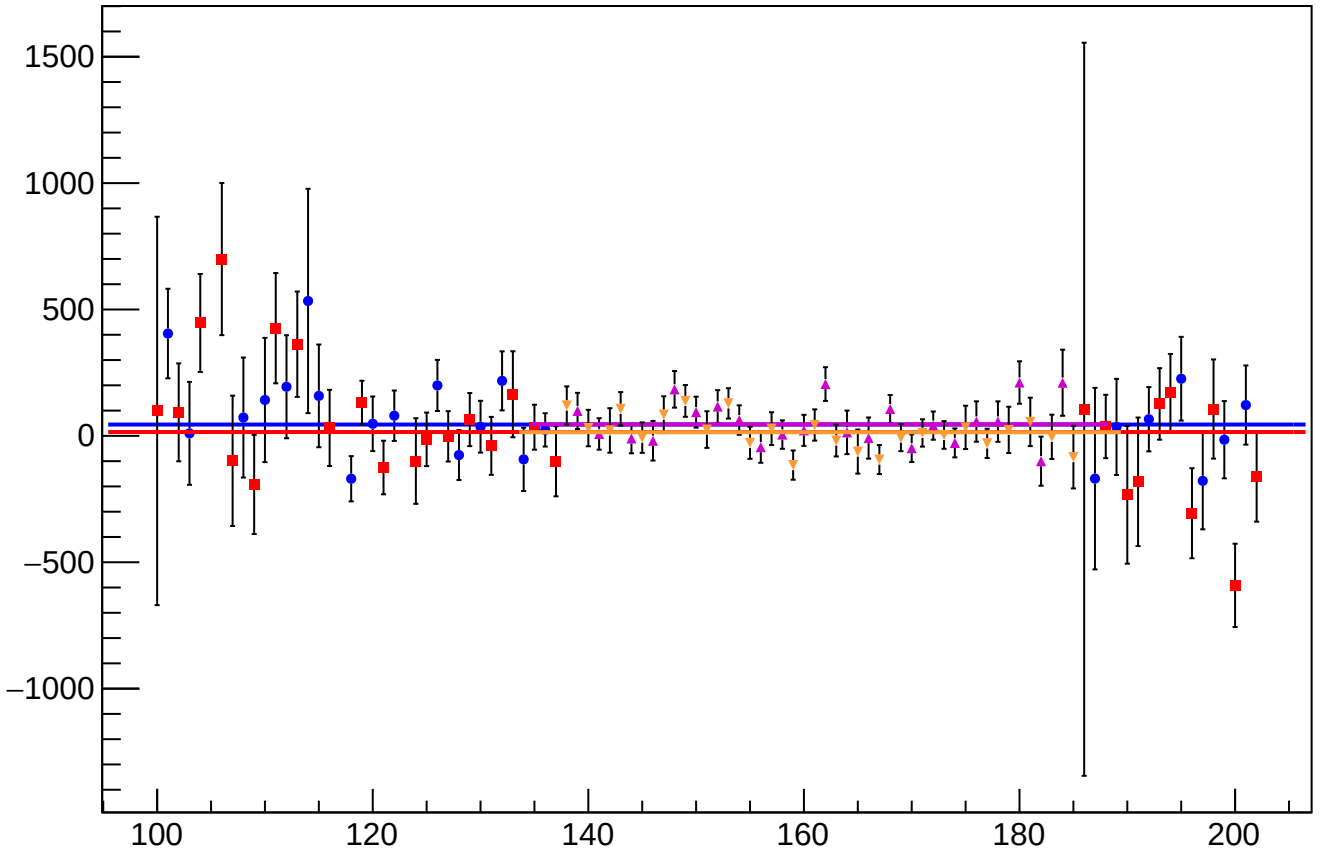
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 714.180+/-0.105 χ^2/NDF: 6759715.2/51

In: 279.388+/-0.040 χ^2/NDF:12604935.6/45

Out: 284.259+/-0.040 χ^2/NDF:15682638.4/53

All: 281.863+/-0.028 χ^2/NDF: 28295024.5/99



Right In: 44.830+/-27.093 χ^2/NDF: 22.9/22

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 15.201+/-27.368 χ^2/NDF: 45.1/28

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

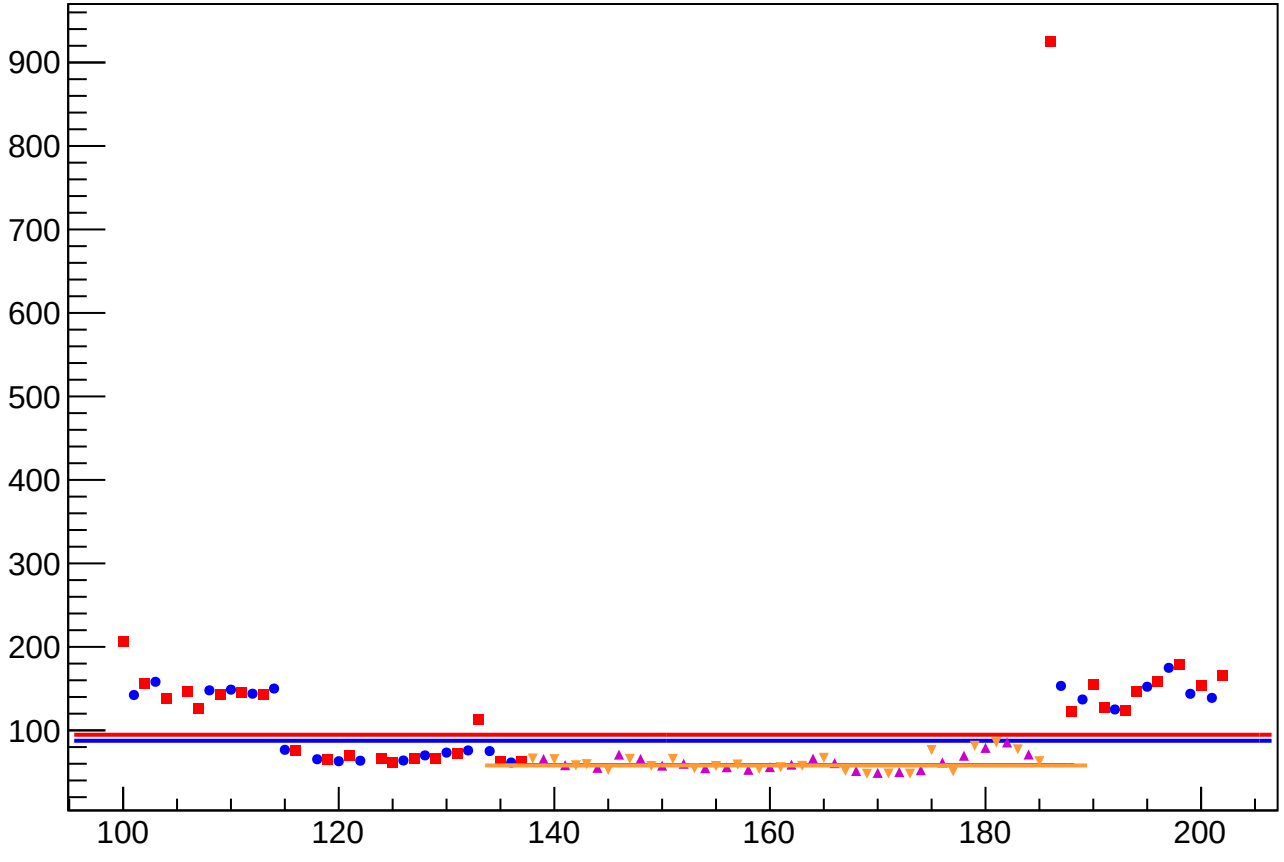
Right: 30.165+/-19.254 χ^2/NDF: 68.7/51

In: 45.602+/-12.389 χ^2/NDF:53.7/45

Out: 14.635+/-12.074 χ^2/NDF:69.7/53

All: 29.720+/-8.647 χ^2/NDF: 126.6/99

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 87.554+/-0.019 χ^2/NDF: 3369642.8/22

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 94.762+/-0.019 χ^2/NDF: 4548711.4/28

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

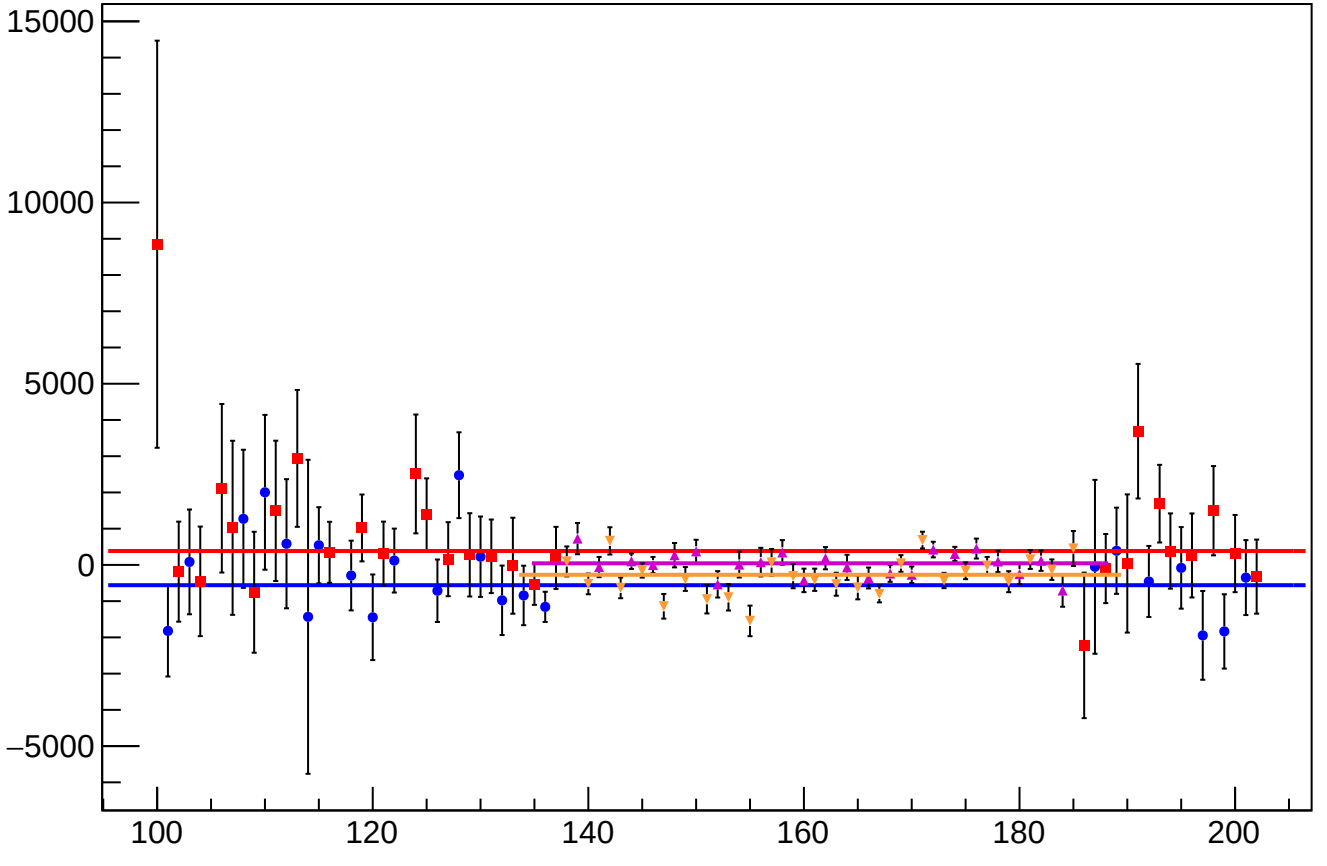
Right: 91.122+/-0.014 χ^2/NDF: 7988407.2/51

In: 64.559+/-0.009 χ^2/NDF:5841252.1/45

Out: 65.127+/-0.009 χ^2/NDF:8357426.4/53

All: 64.851+/-0.006 χ^2/NDF: 14200837.6/99

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -559.773+/-211.133 χ^2/NDF: 19.6/22

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 384.308+/-212.536 χ^2/NDF: 19.9/28

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

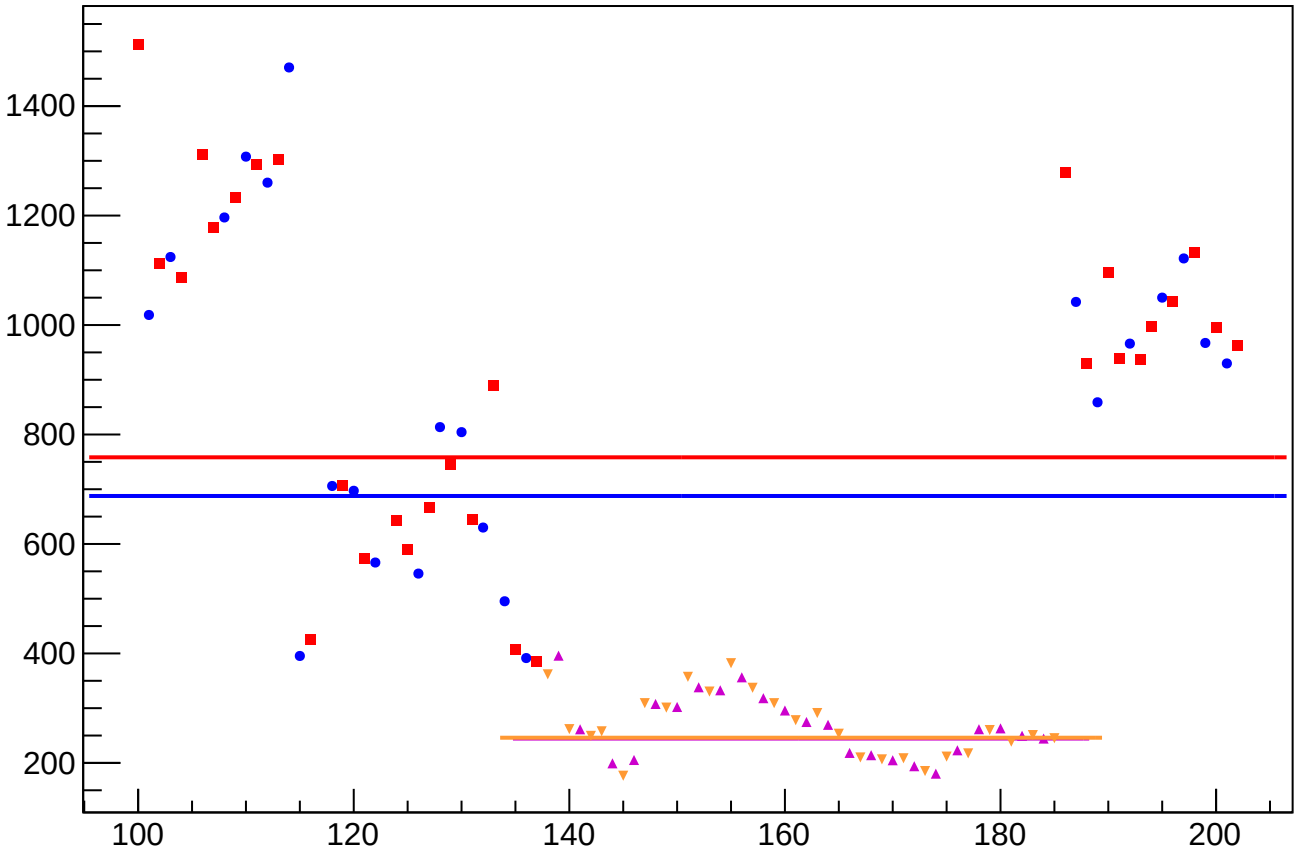
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -90.860+/-149.787 χ^2/NDF: 49.4/51

In: 1.309+/-56.478 χ^2/NDF:53.7/45

Out: -228.045+/-55.301 χ^2/NDF:94.6/53

All: -115.782+/-39.513 χ^2/NDF: 156.6/99



Right In: 687.682+/-0.149 χ^2/NDF: 3286565.2/22

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 758.319+/-0.150 χ^2/NDF: 3513152.1/28

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

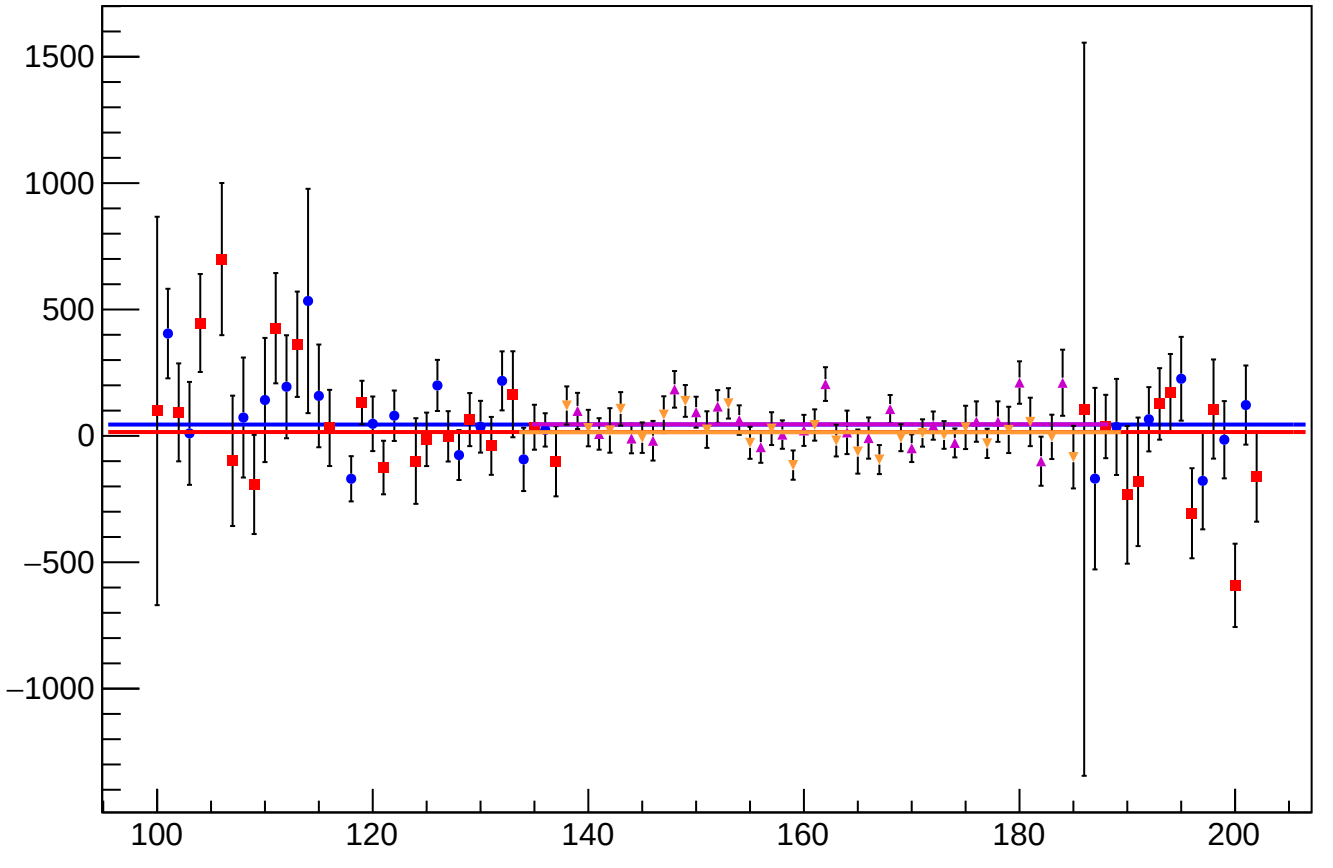
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 722.767+/-0.106 χ^2/NDF: 6910906.8/51

In: 276.166+/-0.040 χ^2/NDF:13067004.1/45

Out: 280.701+/-0.039 χ^2/NDF:16027291.2/53

All: 278.481+/-0.028 χ^2/NDF: 29100877.4/99



Right In: 44.831+/-27.093 χ^2/NDF: 22.9/22

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 15.201+/-27.368 χ^2/NDF: 45.1/28

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

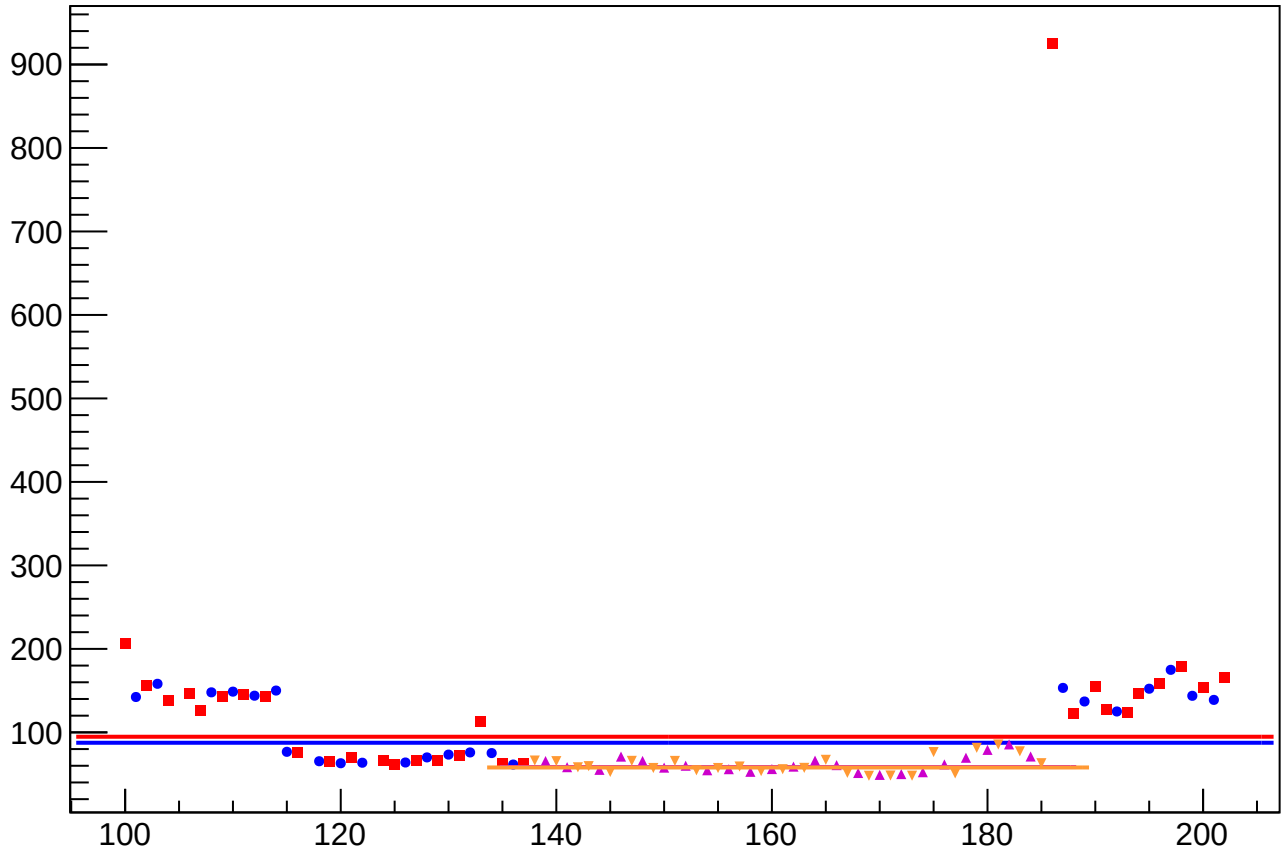
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 30.166+/-19.254 χ^2/NDF: 68.7/51

In: 45.602+/-12.389 χ^2/NDF:53.7/45

Out: 14.635+/-12.074 χ^2/NDF:69.7/53

All: 29.719+/-8.647 χ^2/NDF: 126.6/99



Right In: 87.554+/-0.019 χ^2/NDF: 3369644.0/22

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 94.761+/-0.019 χ^2/NDF: 4548726.7/28

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

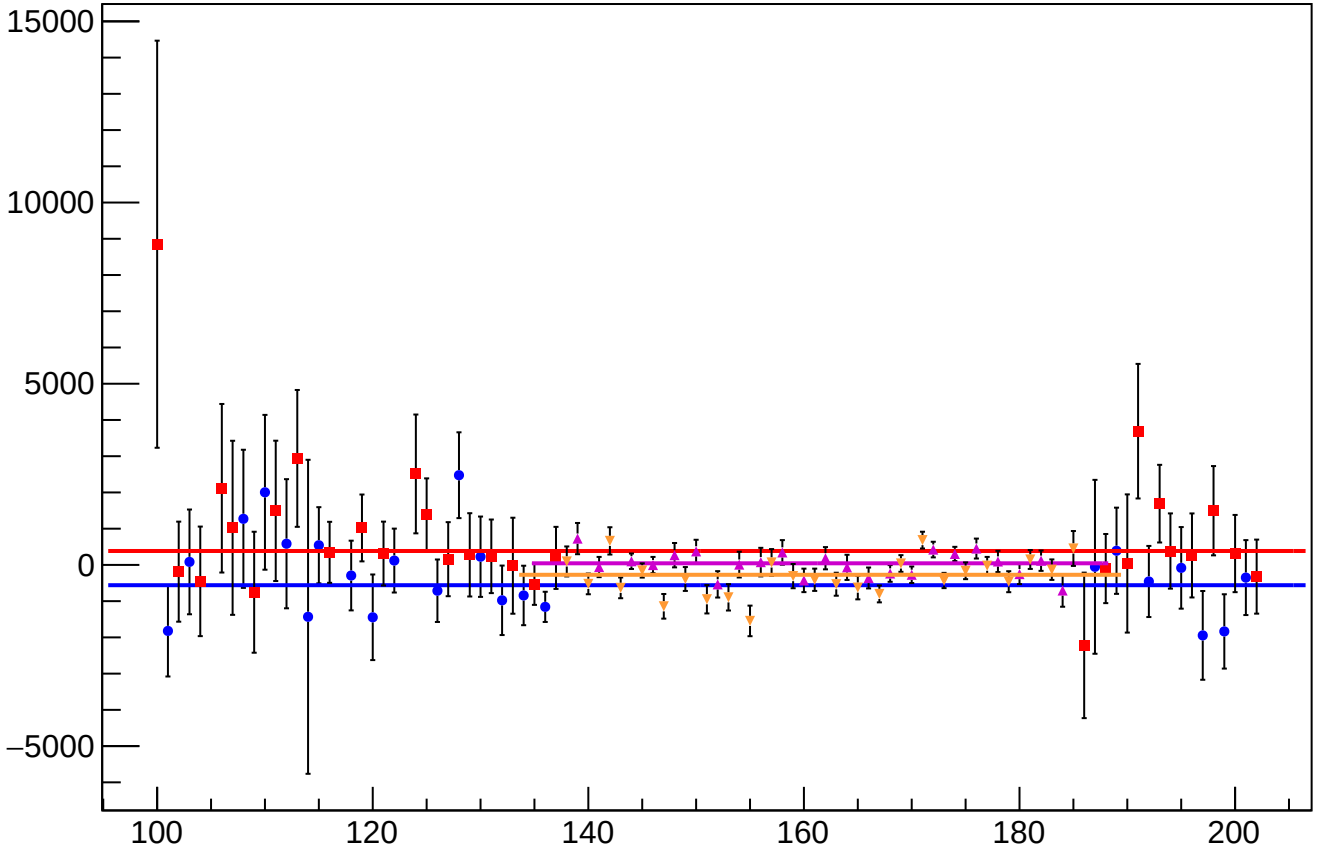
Right: 91.121+/-0.014 χ^2/NDF: 7988424.7/51

In: 64.559+/-0.009 χ^2/NDF:5841189.7/45

Out: 65.127+/-0.009 χ^2/NDF:8357394.4/53

All: 64.851+/-0.006 χ^2/NDF: 14200742.9/99

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -559.772+/-211.133 χ^2/NDF: 19.6/22

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 384.308+/-212.536 χ^2/NDF: 19.9/28

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

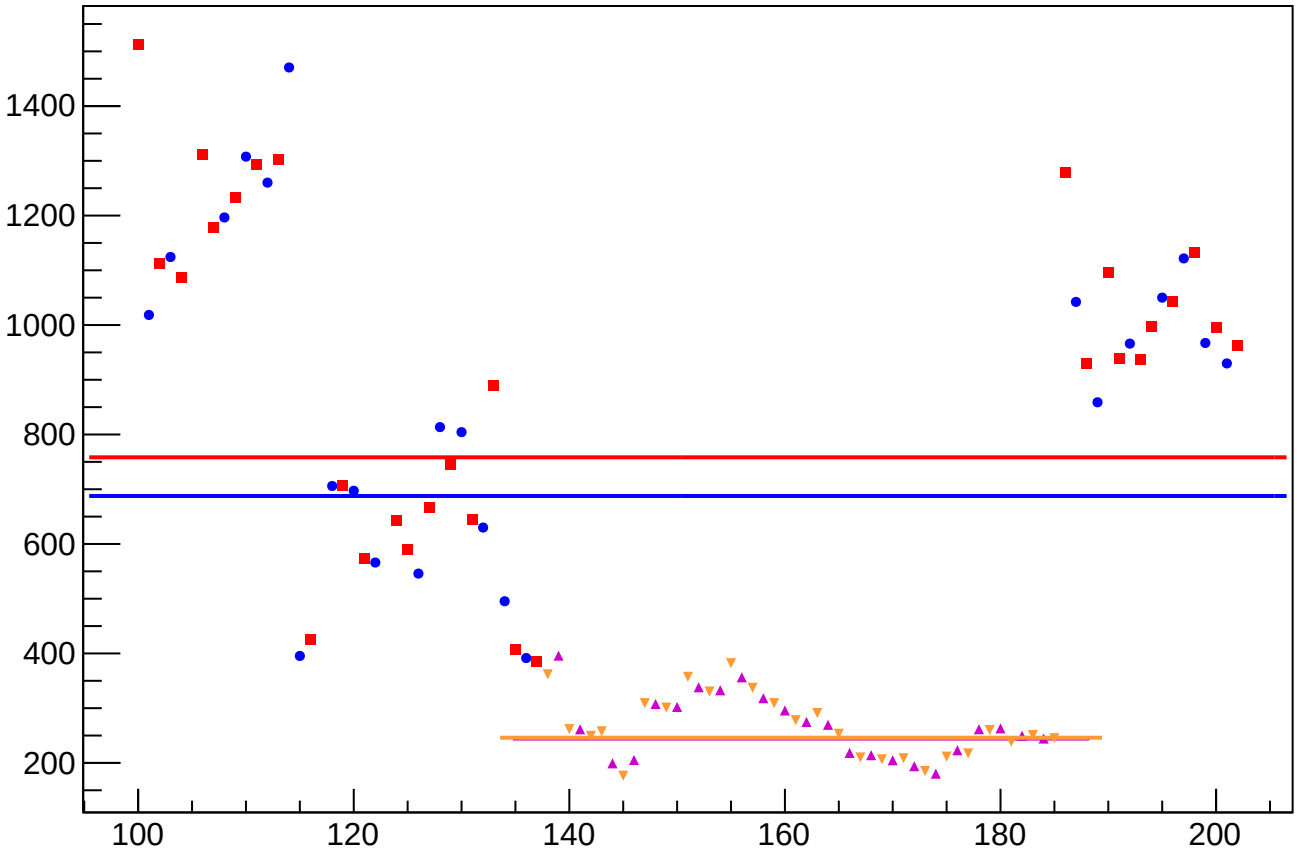
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -90.859+/-149.787 χ^2/NDF: 49.4/51

In: 1.309+/-56.478 χ^2/NDF:53.7/45

Out: -228.044+/-55.301 χ^2/NDF:94.6/53

All: -115.782+/-39.513 χ^2/NDF: 156.6/99



Right In: 687.681+/-0.149 χ^2/NDF: 3286549.4/22

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 758.318+/-0.150 χ^2/NDF: 3513136.2/28

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

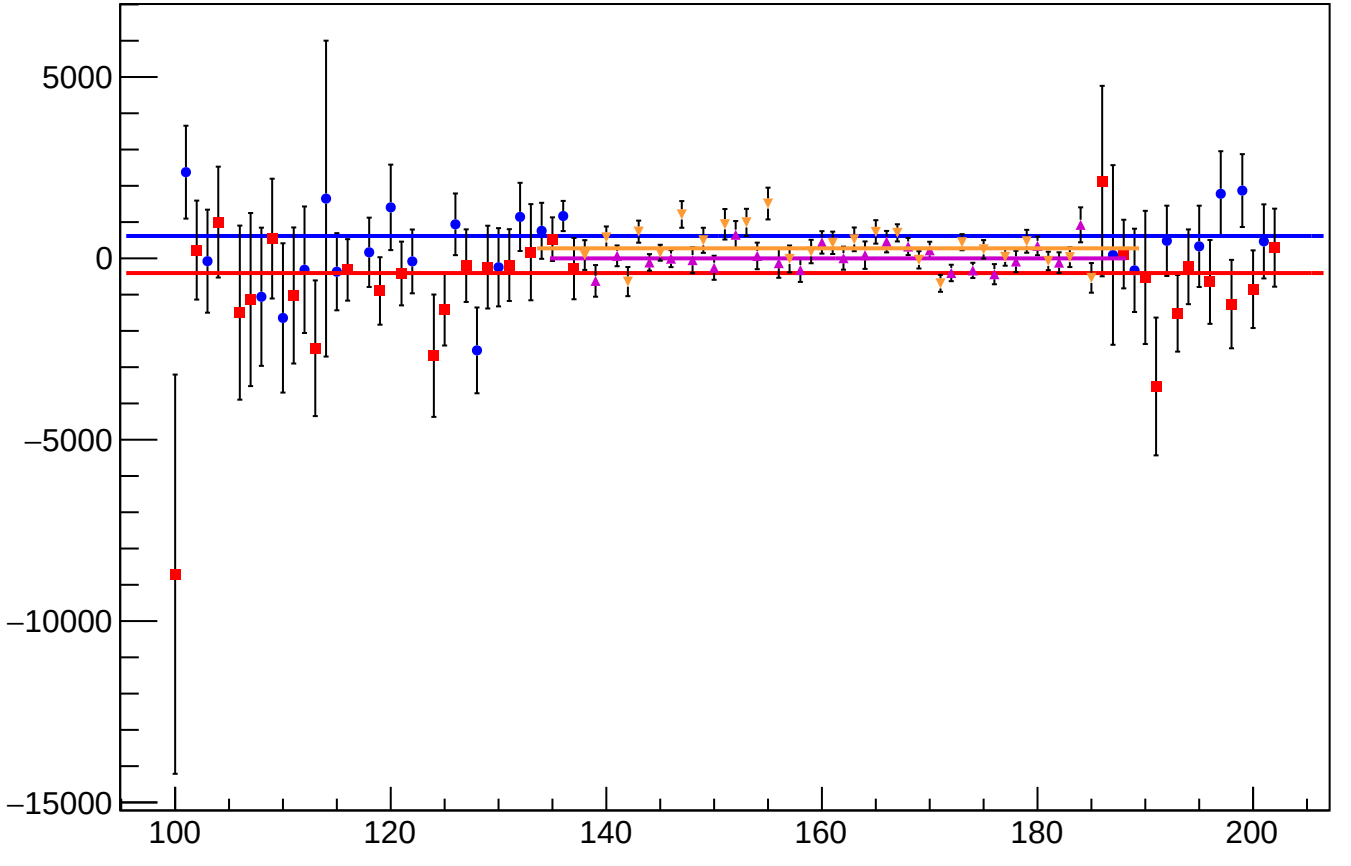
Right: 722.766+/-0.106 χ^2/NDF: 6910875.3/51

In: 276.166+/-0.040 χ^2/NDF:13066984.9/45

Out: 280.700+/-0.039 χ^2/NDF:16027293.6/53

All: 278.481+/-0.028 χ^2/NDF: 29100860.0/99

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 617.103+/-208.634 χ^2/NDF: 20.0/22

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -405.095+/-214.041 χ^2/NDF: 17.4/28

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

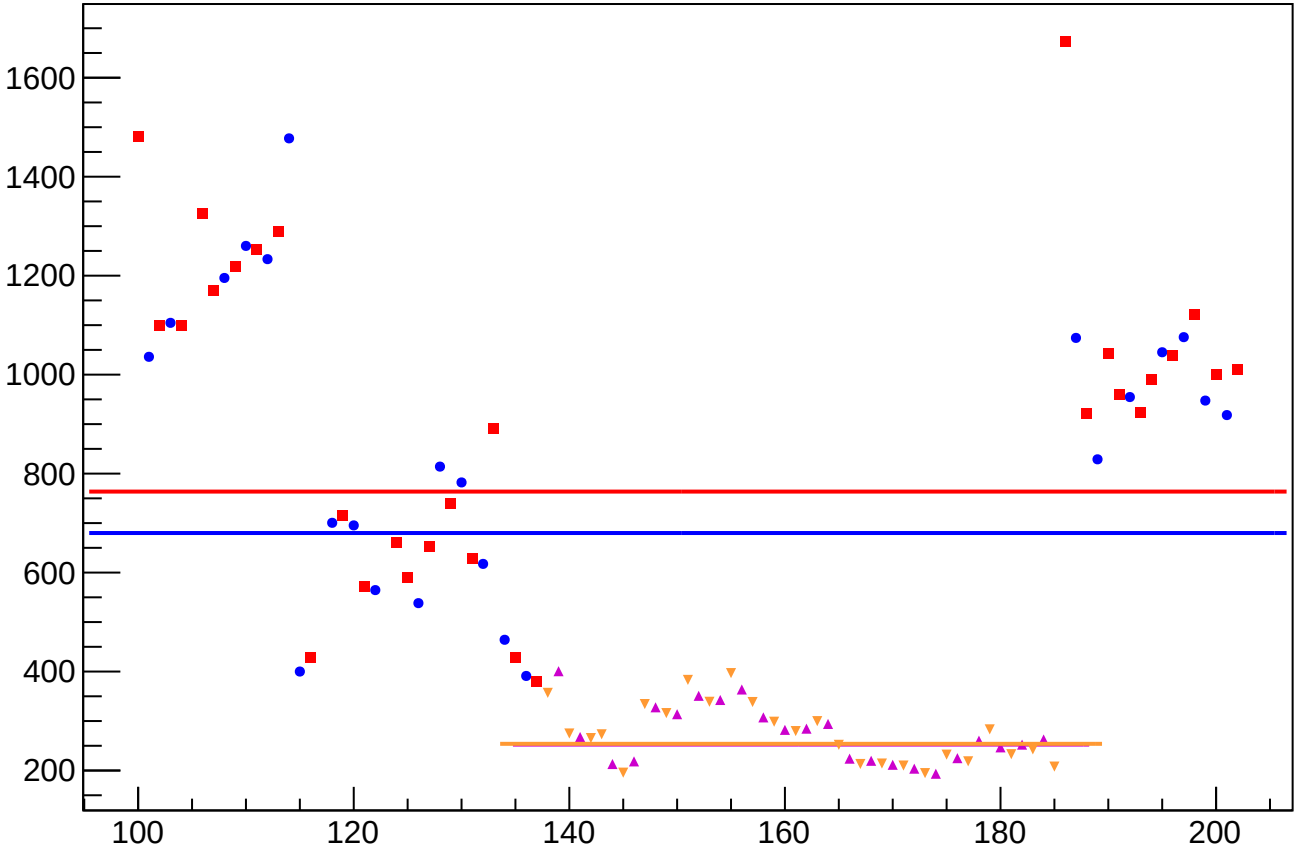
Right: 119.079+/-149.402 χ^2/NDF: 49.0/51

In: 47.144+/-57.979 χ^2/NDF:56.2/45

Out: 228.679+/-57.012 χ^2/NDF:90.9/53

All: 139.438+/-40.651 χ^2/NDF: 152.0/99

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 679.935+/-0.148 χ^2/NDF: 3242220.9/22

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 763.681+/-0.151 χ^2/NDF: 3454786.7/28

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

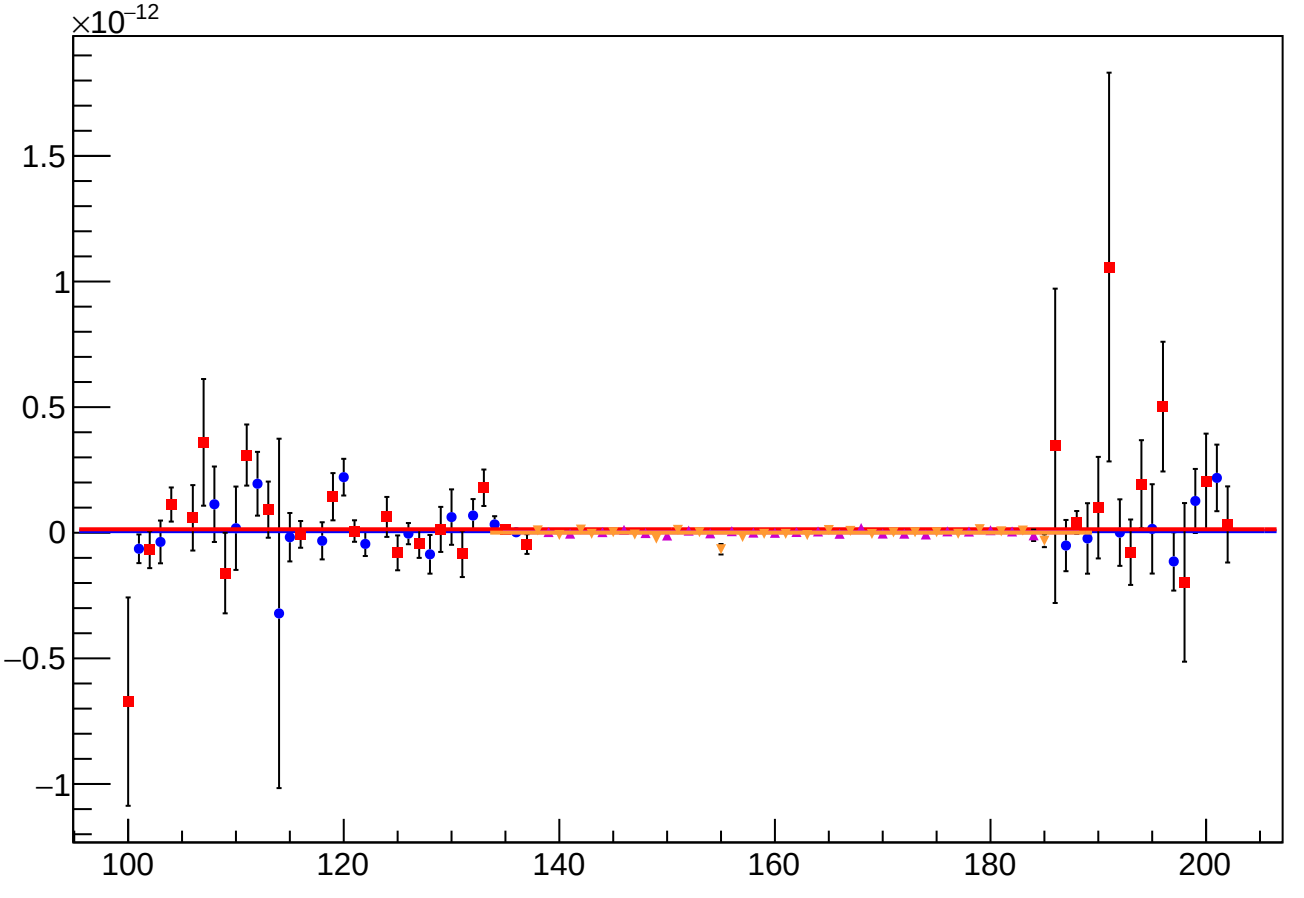
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 720.737+/-0.106 χ^2/NDF: 6854007.2/51

In: 285.408+/-0.041 χ^2/NDF:12404668.1/45

Out: 290.117+/-0.040 χ^2/NDF:15583358.1/53

All: 287.802+/-0.029 χ^2/NDF: 27994733.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/28

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

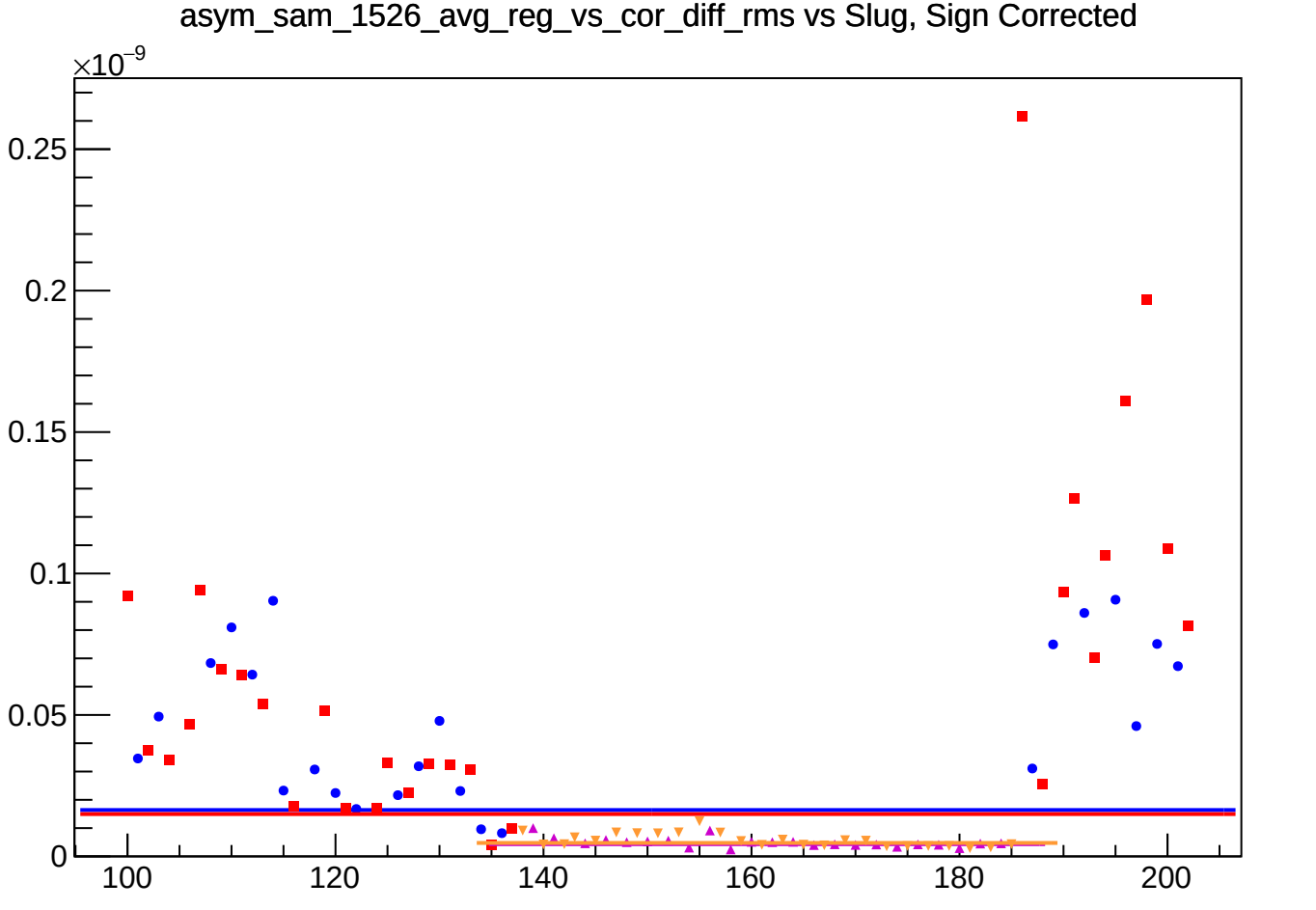
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

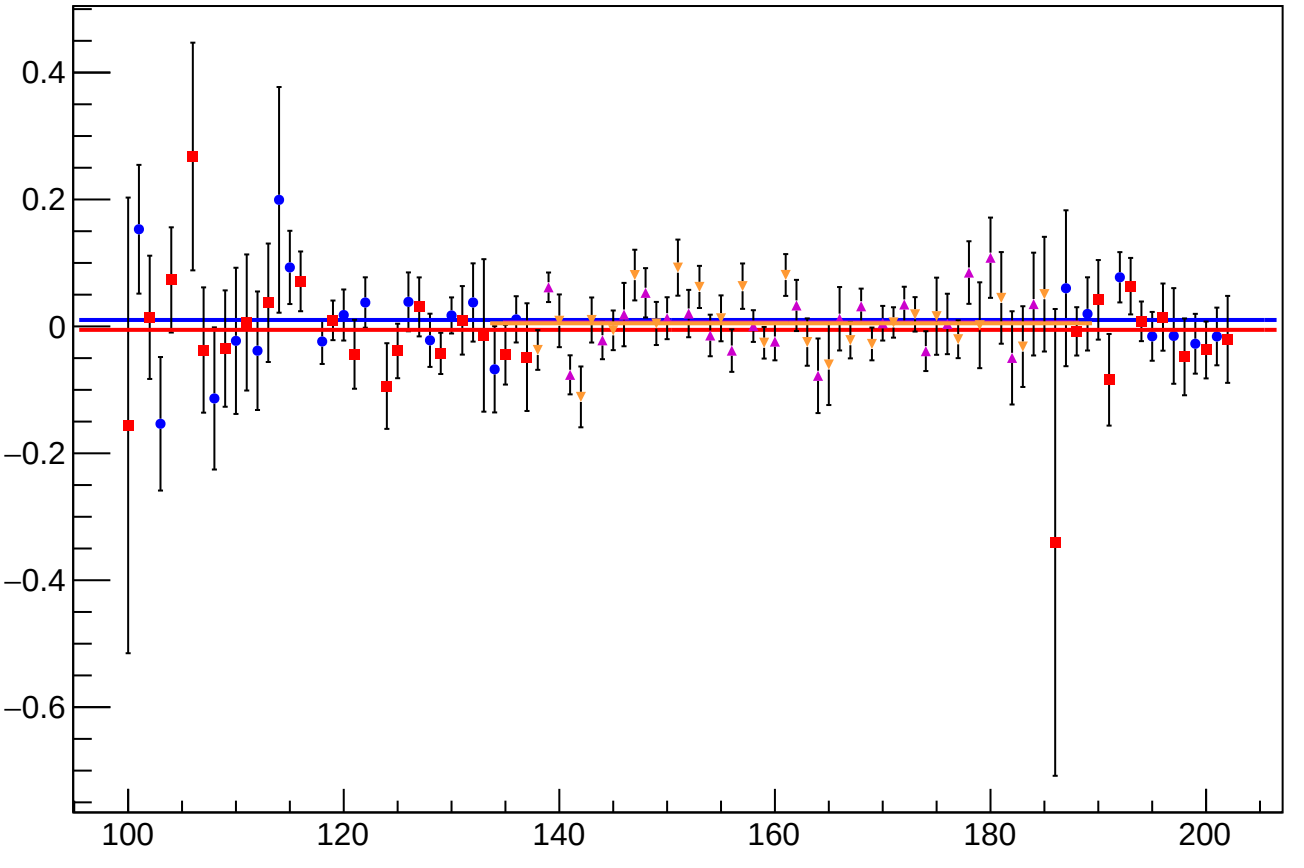
Right: 0.000+/-0.000 χ^2/NDF: 62.2/51

In: 0.000+/-0.000 χ^2/NDF:37.3/45

Out: 0.000+/-0.000 χ^2/NDF:67.3/53

All: 0.000+/-0.000 χ^2/NDF: 104.7/99


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4719889.4/22
Left Out: 0.000+/-0.000 χ²/NDF:1613401.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 7433671.8/28
Left In: 0.000+/-0.000 χ²/NDF:983290.8/22
Left: 0.000+/-0.000 χ²/NDF: 2651852.5/47
Right: 0.000+/-0.000 χ²/NDF: 12173097.0/51
In: 0.000+/-0.000 χ²/NDF:8373063.9/45
Out: 0.000+/-0.000 χ²/NDF:10997240.5/53
All: 0.000+/-0.000 χ²/NDF: 19418186.4/99



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

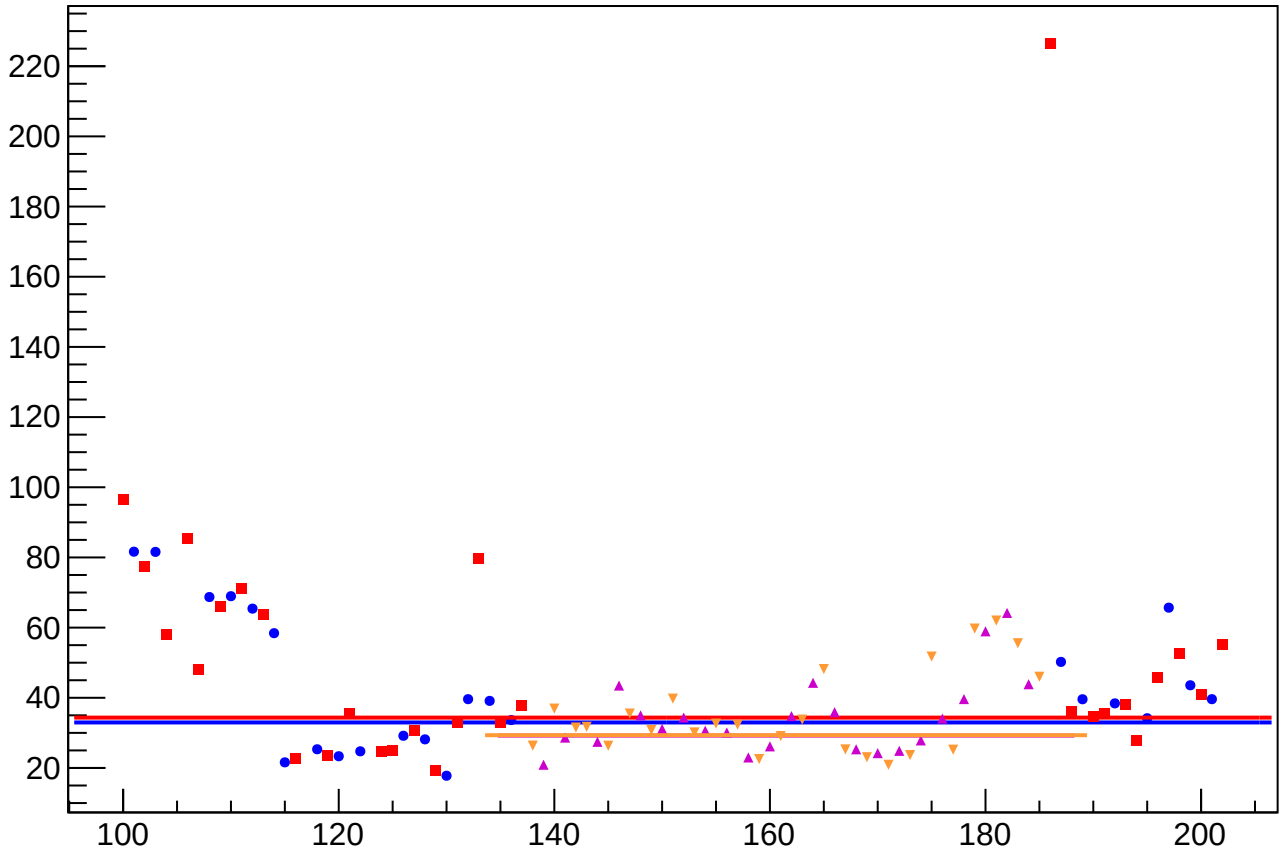
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.002+/-0.007 χ^2/NDF: 37.7/51

In: 0.008+/-0.006 χ^2/NDF:48.8/45

Out: 0.001+/-0.006 χ^2/NDF:53.5/53

All: 0.004+/-0.004 χ^2/NDF: 102.8/99



Right In: 32.970+/-0.007 χ^2/NDF: 3215789.2/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 34.348+/-0.007 χ^2/NDF: 3886087.0/28

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

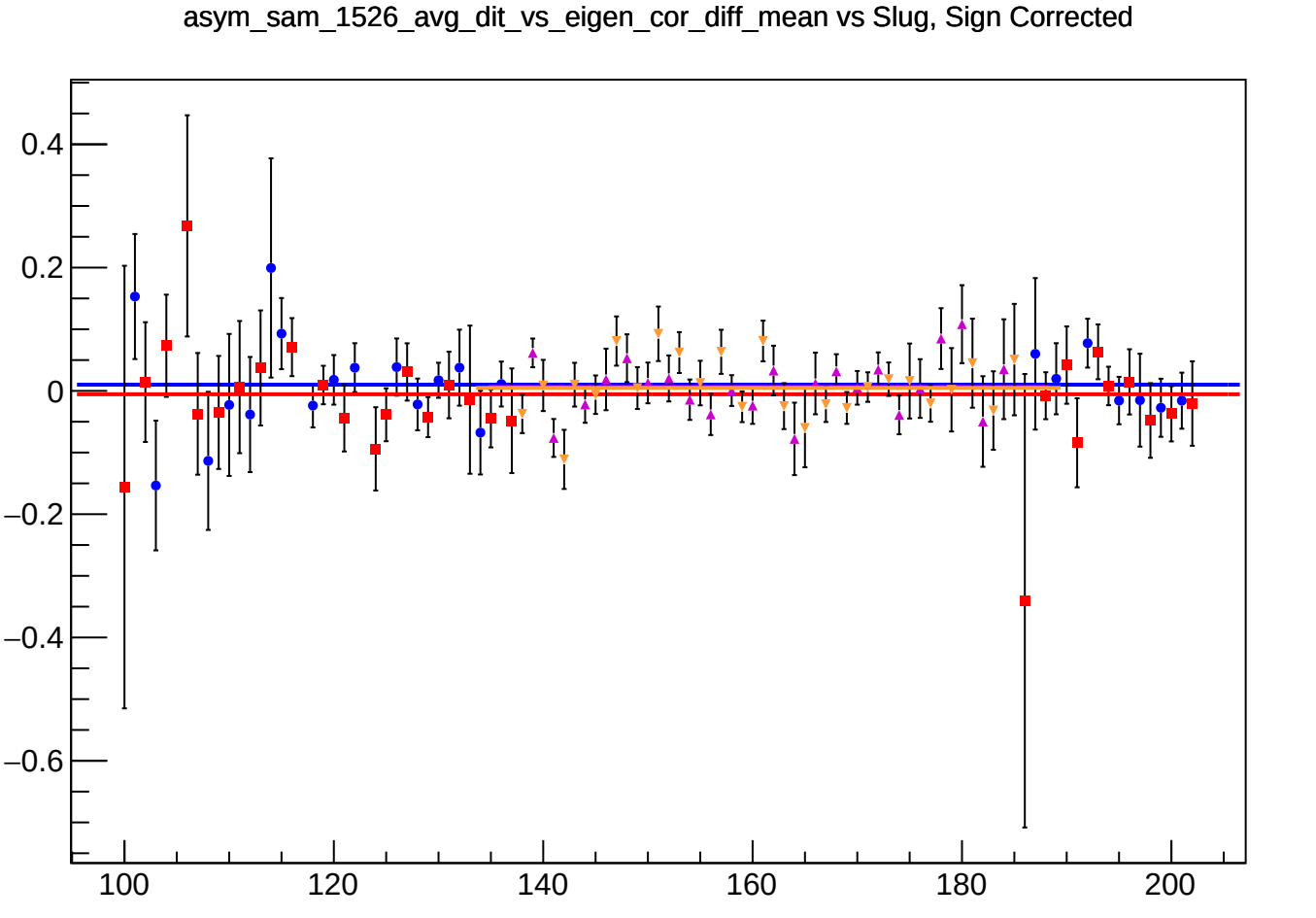
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 33.681+/-0.005 χ^2/NDF: 7119749.1/51

In: 30.443+/-0.004 χ^2/NDF:5486250.3/45

Out: 30.987+/-0.004 χ^2/NDF:6900594.0/53

All: 30.722+/-0.003 χ^2/NDF: 12395360.9/99



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

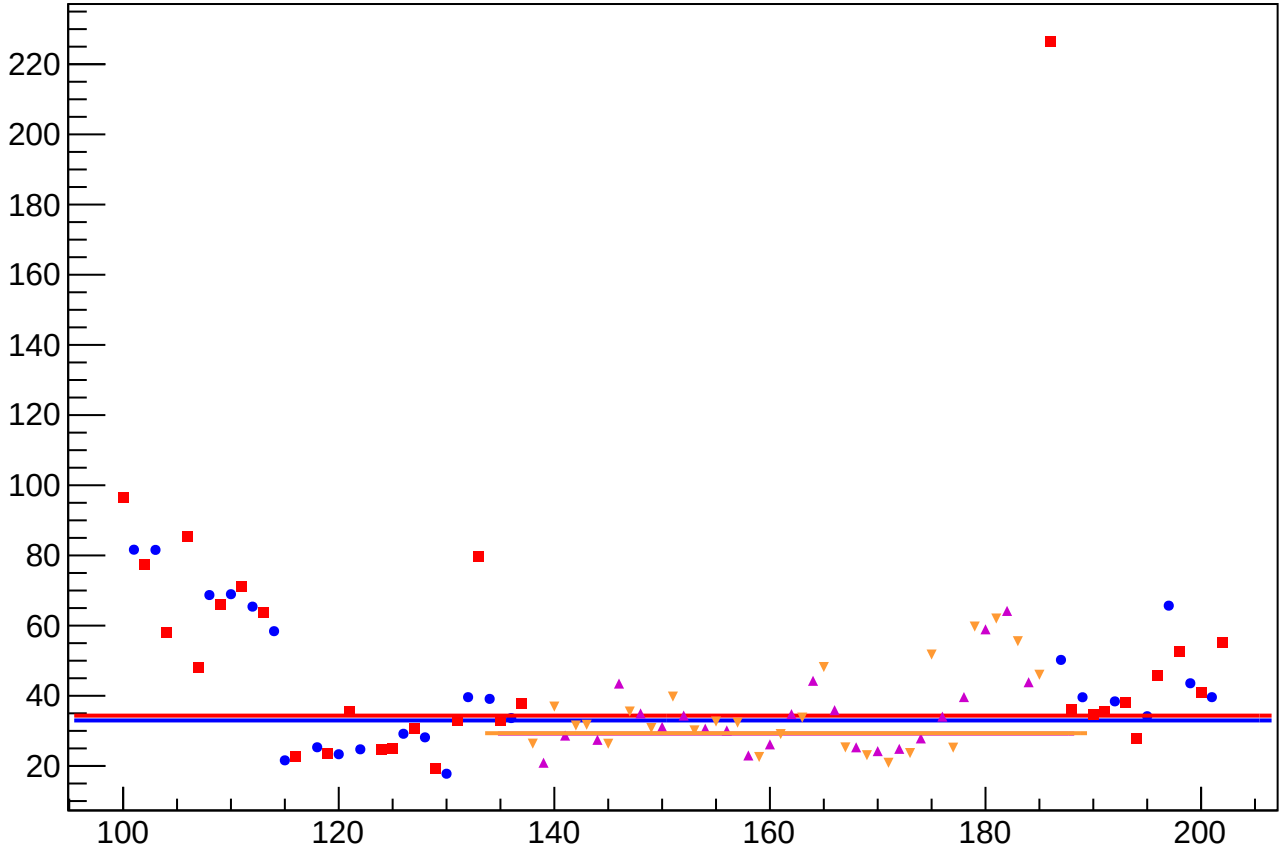
Right: 0.002+/-0.007 χ^2/NDF: 37.7/51

In: 0.008+/-0.006 χ^2/NDF:48.8/45

Out: 0.001+/-0.006 χ^2/NDF:53.5/53

All: 0.004+/-0.004 χ^2/NDF: 102.8/99

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.970+/-0.007 χ^2/NDF: 3215789.2/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 34.348+/-0.007 χ^2/NDF: 3886087.0/28

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

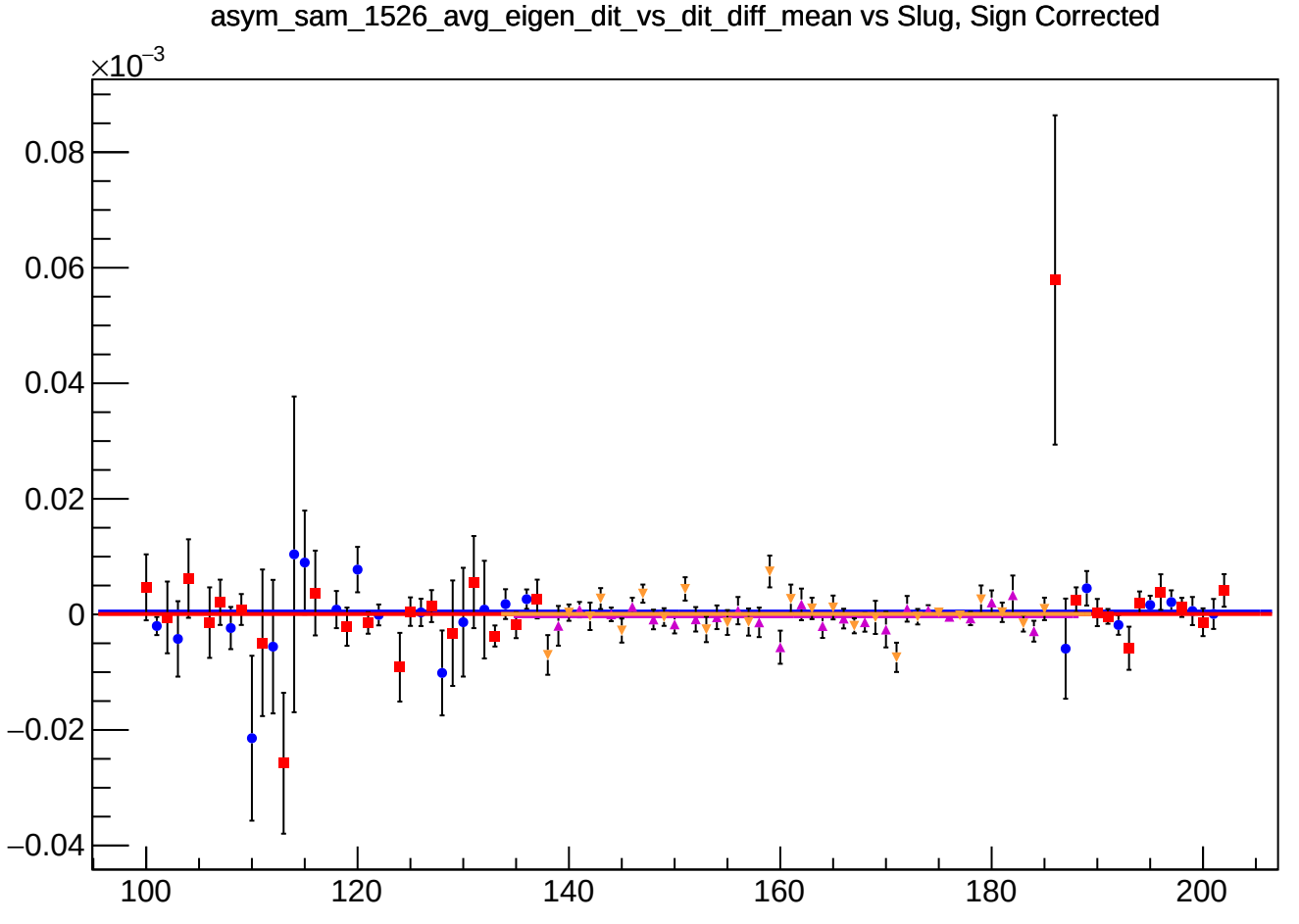
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 33.681+/-0.005 χ^2/NDF: 7119749.1/51

In: 30.443+/-0.004 χ^2/NDF:5486250.3/45

Out: 30.987+/-0.004 χ^2/NDF:6900594.0/53

All: 30.722+/-0.003 χ^2/NDF: 12395360.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/28

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

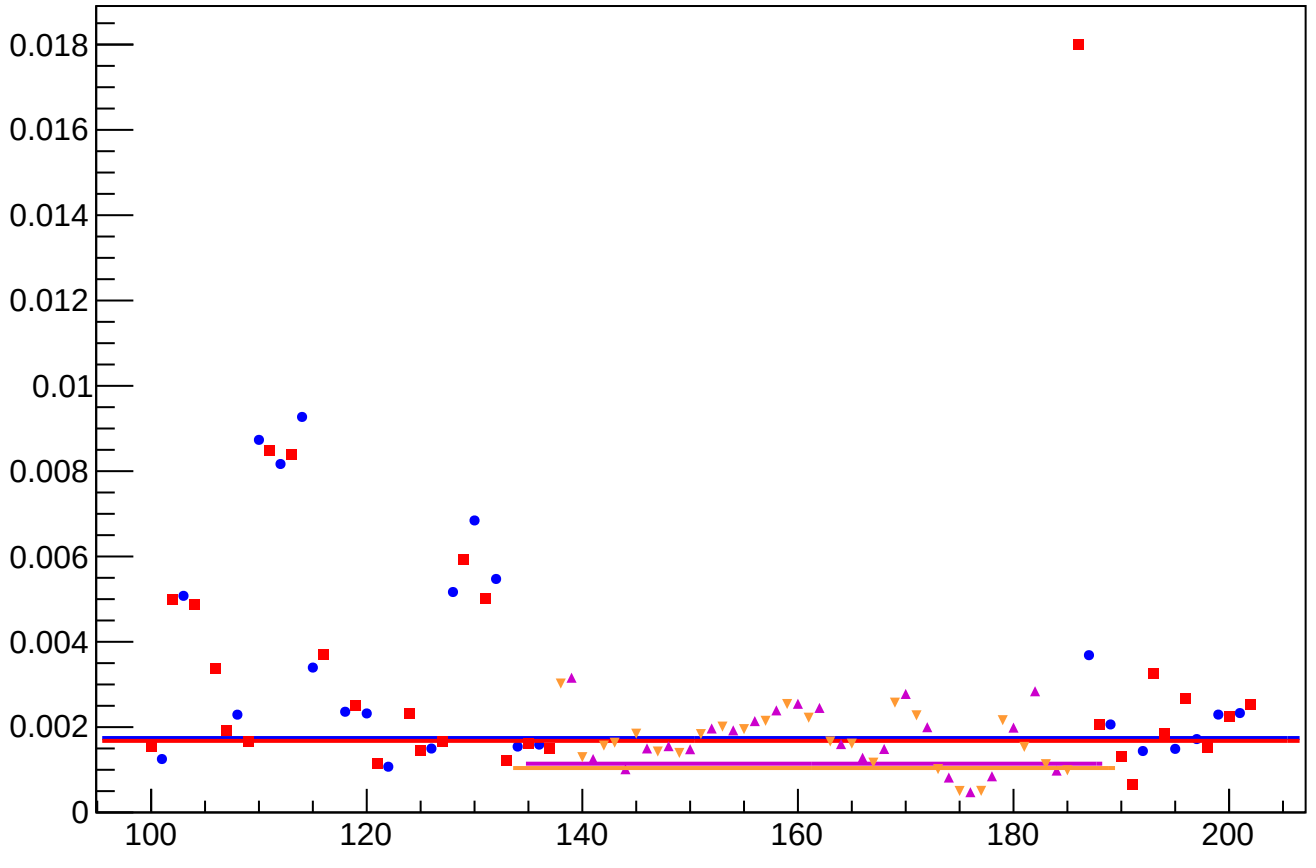
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 51.0/51

In: -0.000+/-0.000 χ^2/NDF:37.3/45

Out: 0.000+/-0.000 χ^2/NDF:74.1/53

All: -0.000+/-0.000 χ^2/NDF: 111.8/99



Right In: 0.002+/-0.000 χ^2/NDF: 4375773.9/22

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6733466.8/28

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

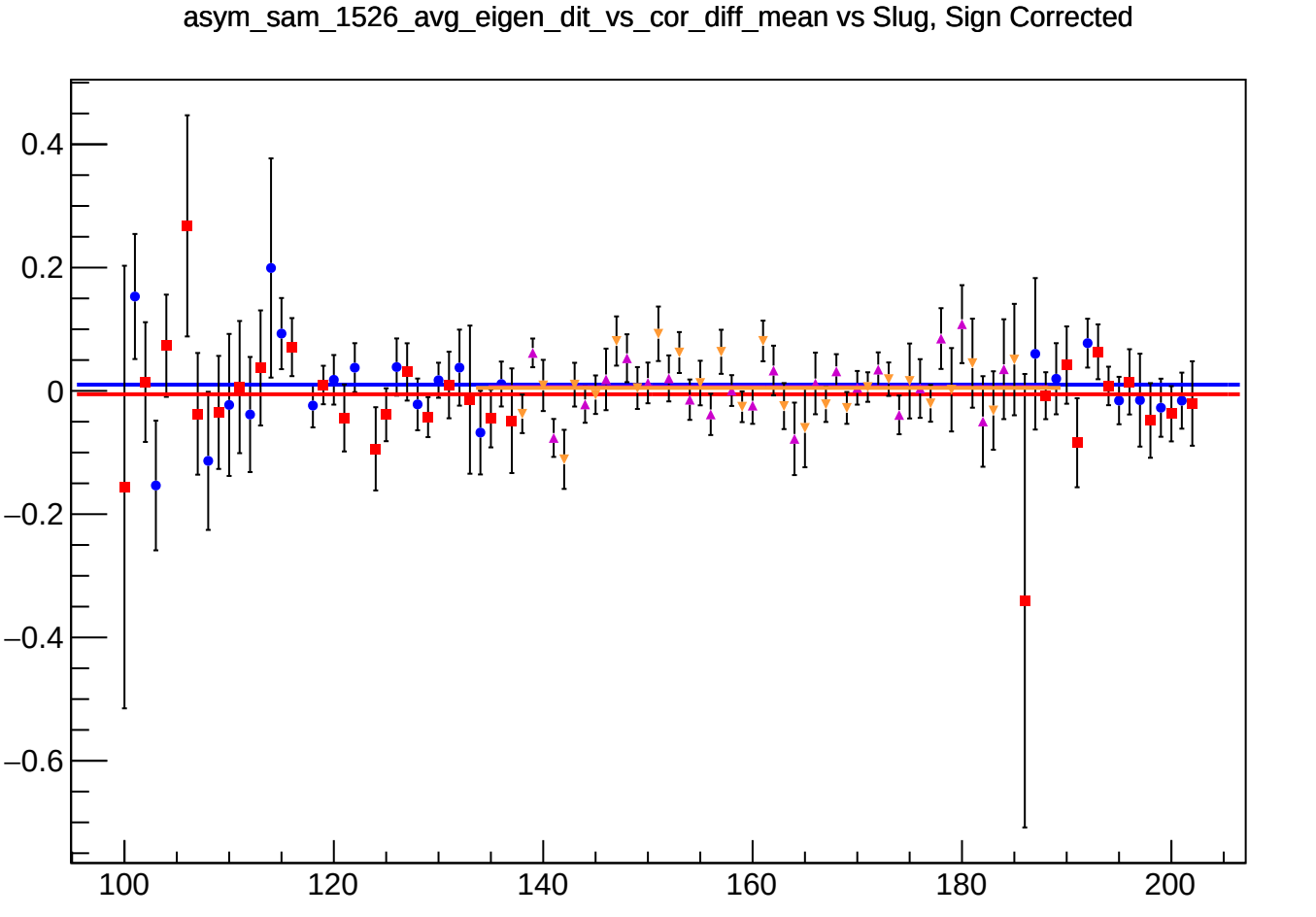
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11124261.9/51

In: 0.001+/-0.000 χ^2/NDF:14409397.5/45

Out: 0.001+/-0.000 χ^2/NDF:18925678.6/53

All: 0.001+/-0.000 χ^2/NDF: 33476632.0/99



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

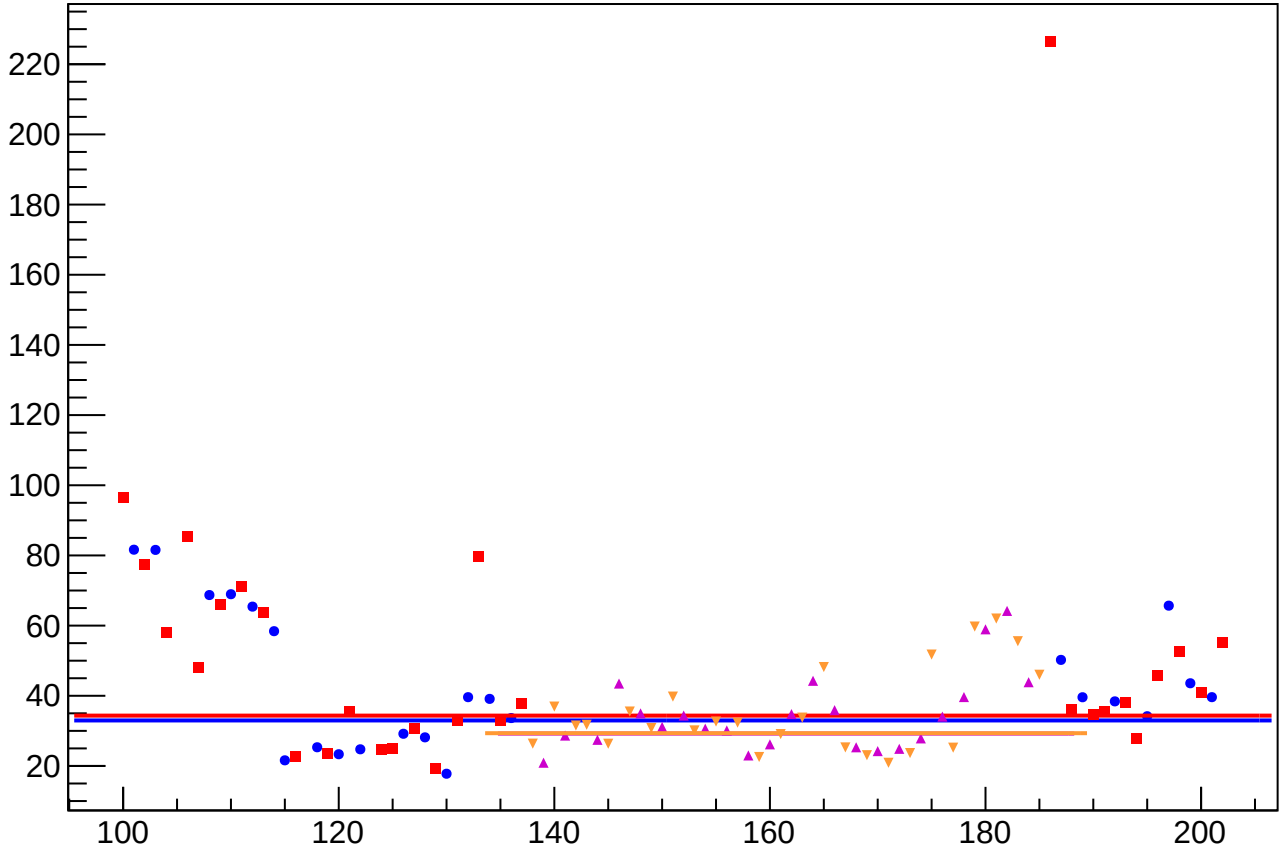
Right: 0.002+/-0.007 χ^2/NDF: 37.7/51

In: 0.007+/-0.006 χ^2/NDF:48.8/45

Out: 0.001+/-0.006 χ^2/NDF:53.5/53

All: 0.004+/-0.004 χ^2/NDF: 102.8/99

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.969+/-0.007 χ^2/NDF: 3216106.8/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 34.347+/-0.007 χ^2/NDF: 3886338.4/28

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

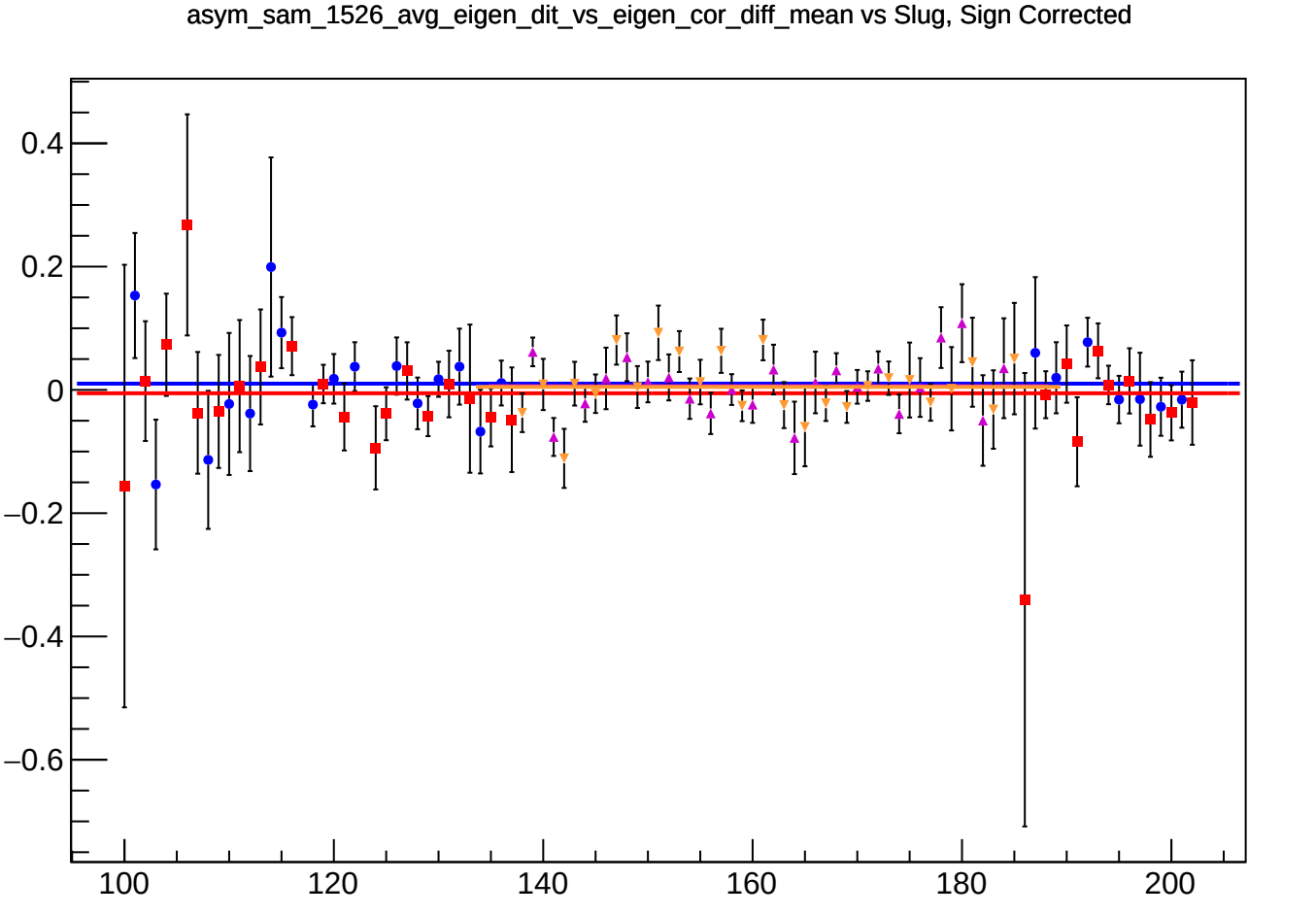
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 33.680+/-0.005 χ^2/NDF: 7120325.3/51

In: 30.443+/-0.004 χ^2/NDF:5486404.8/45

Out: 30.987+/-0.004 χ^2/NDF:6900766.7/53

All: 30.722+/-0.003 χ^2/NDF: 12395685.4/99



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

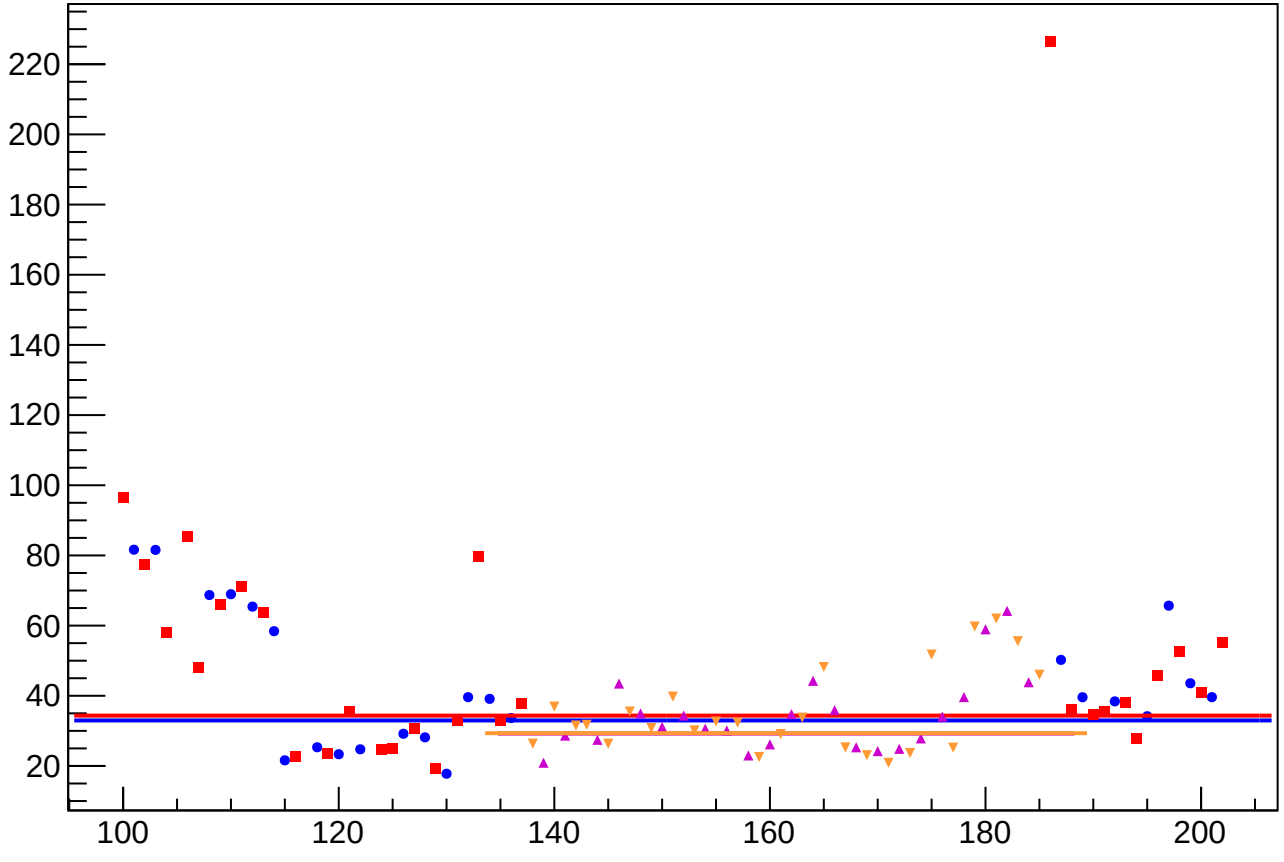
Right: 0.002+/-0.007 χ^2/NDF: 37.7/51

In: 0.007+/-0.006 χ^2/NDF:48.8/45

Out: 0.001+/-0.006 χ^2/NDF:53.5/53

All: 0.004+/-0.004 χ^2/NDF: 102.8/99

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.969+/-0.007 χ^2/NDF: 3216106.8/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 34.347+/-0.007 χ^2/NDF: 3886338.4/28

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

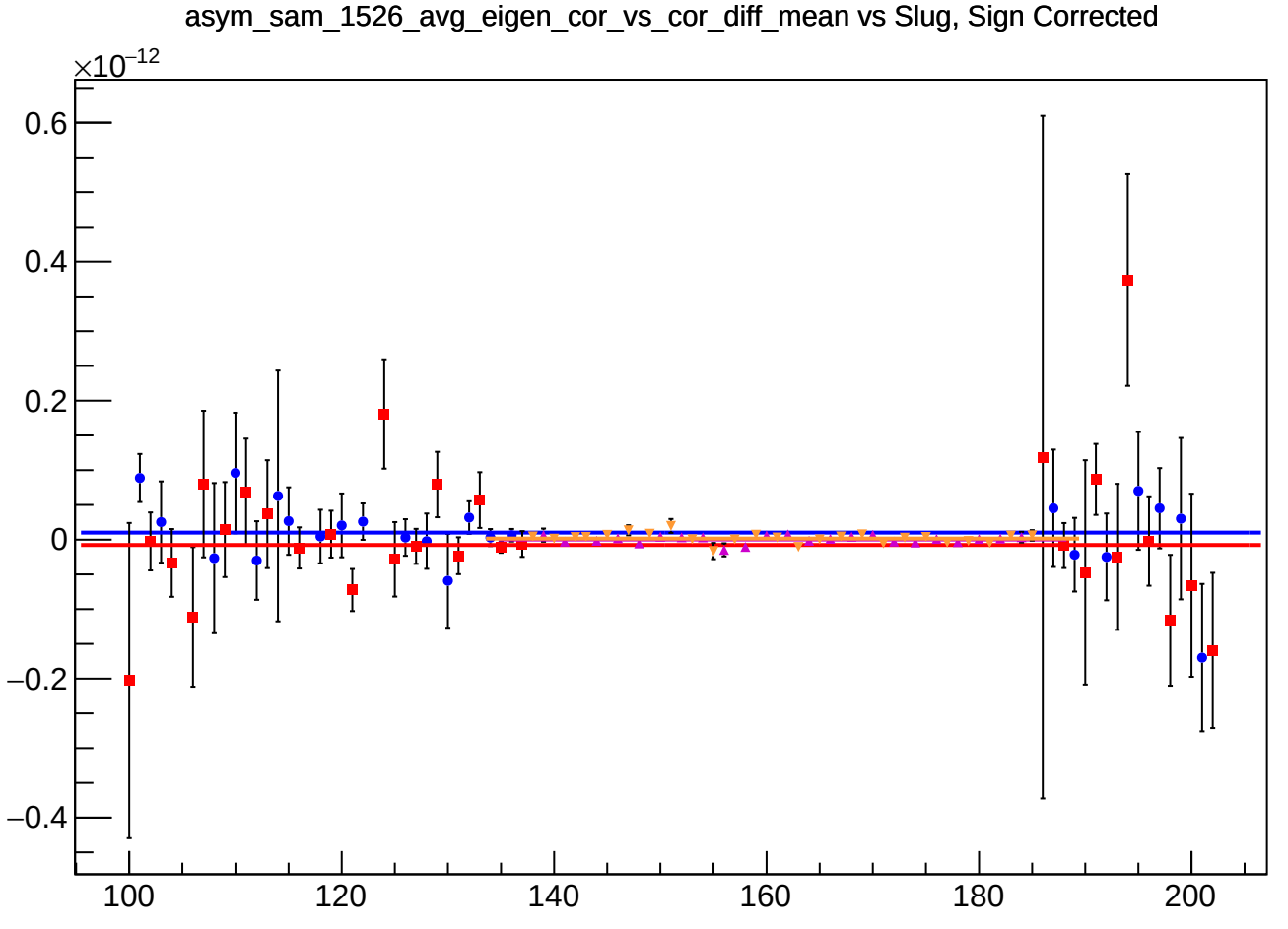
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 33.680+/-0.005 χ^2/NDF: 7120325.3/51

In: 30.443+/-0.004 χ^2/NDF:5486404.8/45

Out: 30.987+/-0.004 χ^2/NDF:6900766.7/53

All: 30.722+/-0.003 χ^2/NDF: 12395685.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 14.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

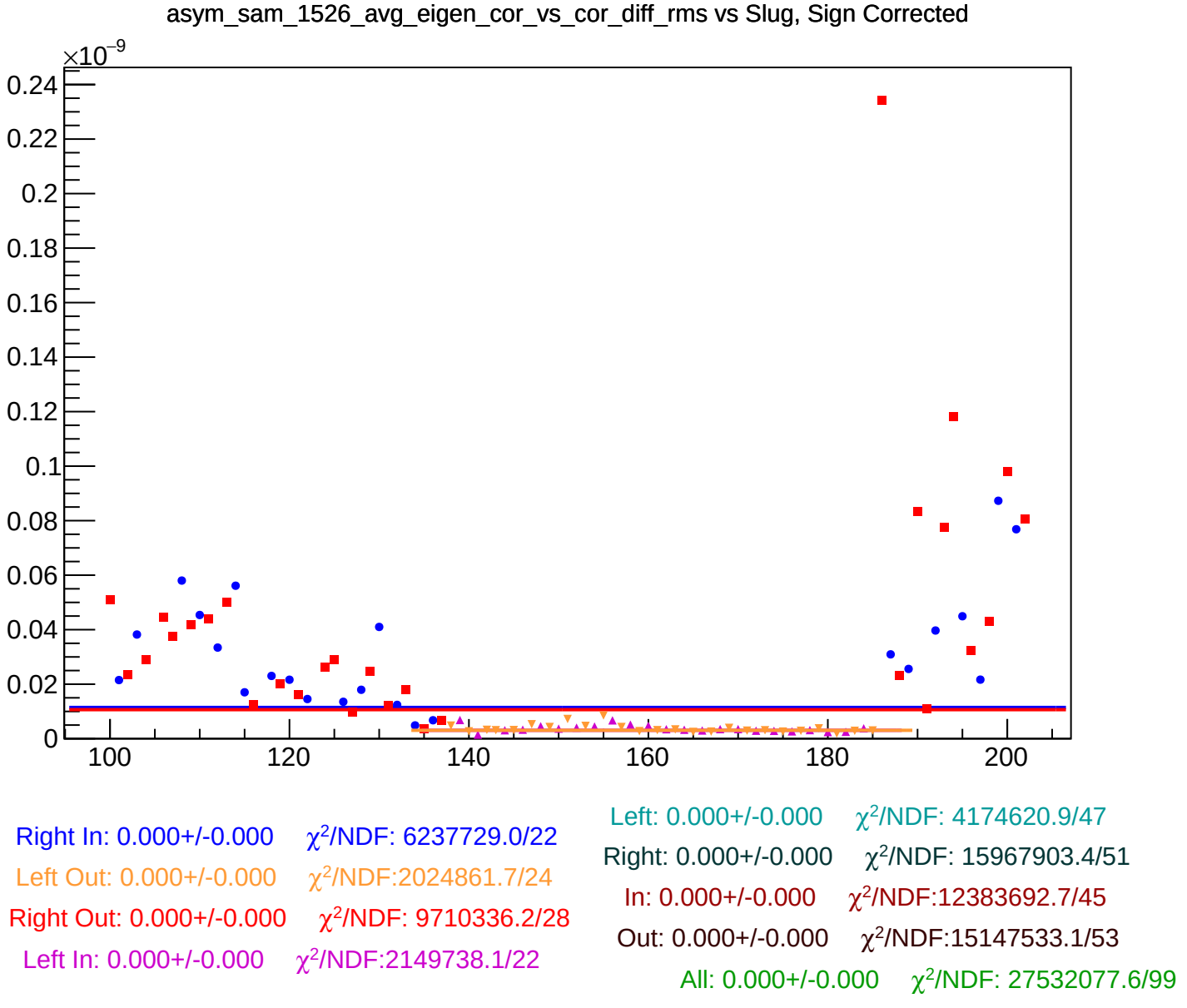
Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

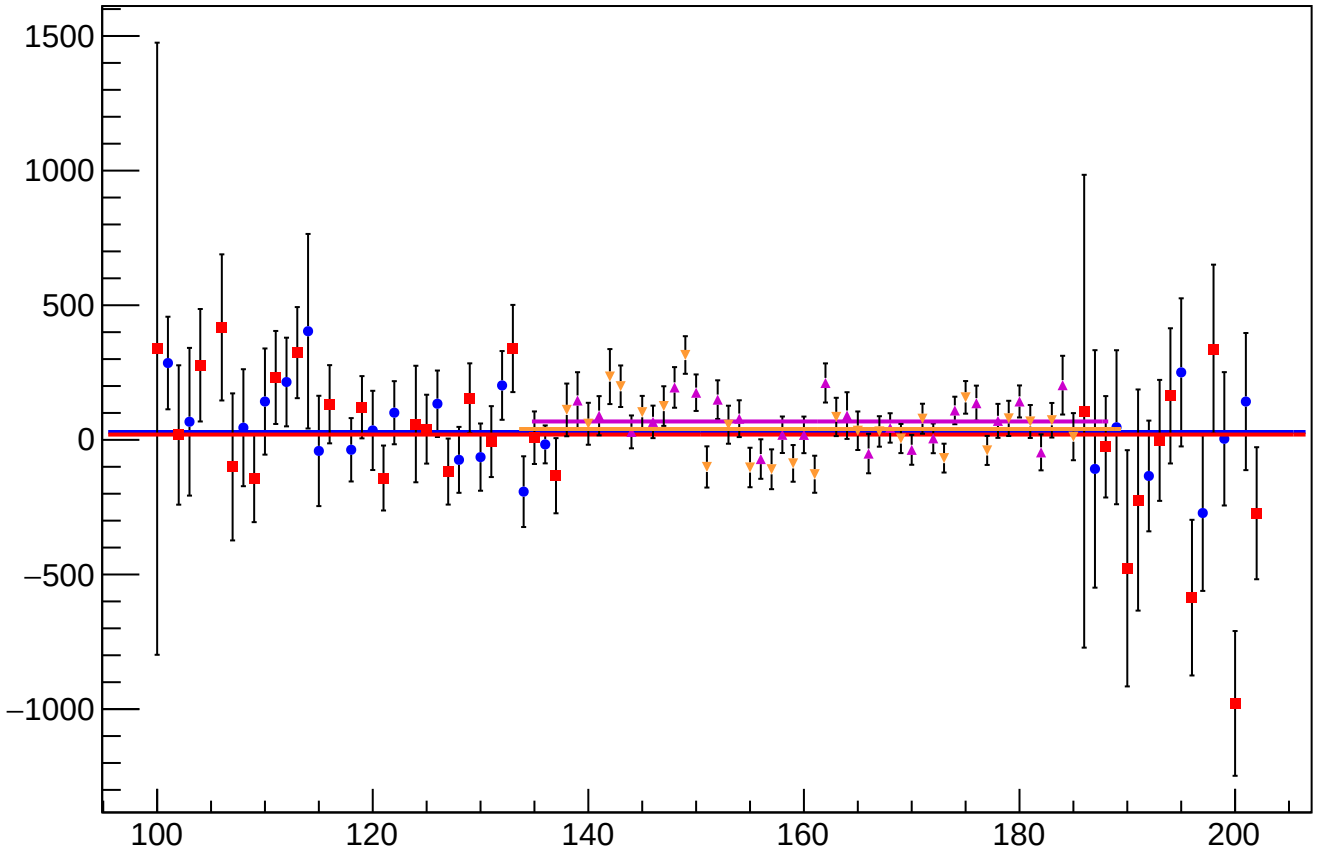
Right: 0.000+/-0.000 χ^2/NDF: 54.1/51

In: 0.000+/-0.000 χ^2/NDF:36.0/45

Out: 0.000+/-0.000 χ^2/NDF:72.2/53

All: 0.000+/-0.000 χ^2/NDF: 108.7/99


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6237729.0/22
Left Out: 0.000+/-0.000 χ²/NDF:2024861.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 9710336.2/28
Left In: 0.000+/-0.000 χ²/NDF:2149738.1/22
Left: 0.000+/-0.000 χ²/NDF: 4174620.9/47
Right: 0.000+/-0.000 χ²/NDF: 15967903.4/51
In: 0.000+/-0.000 χ²/NDF:12383692.7/45
Out: 0.000+/-0.000 χ²/NDF:15147533.1/53
All: 0.000+/-0.000 χ²/NDF: 27532077.6/99



Right In: 29.199+/-32.124 χ^2/NDF: 15.5/22

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 19.705+/-32.406 χ^2/NDF: 43.0/28

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

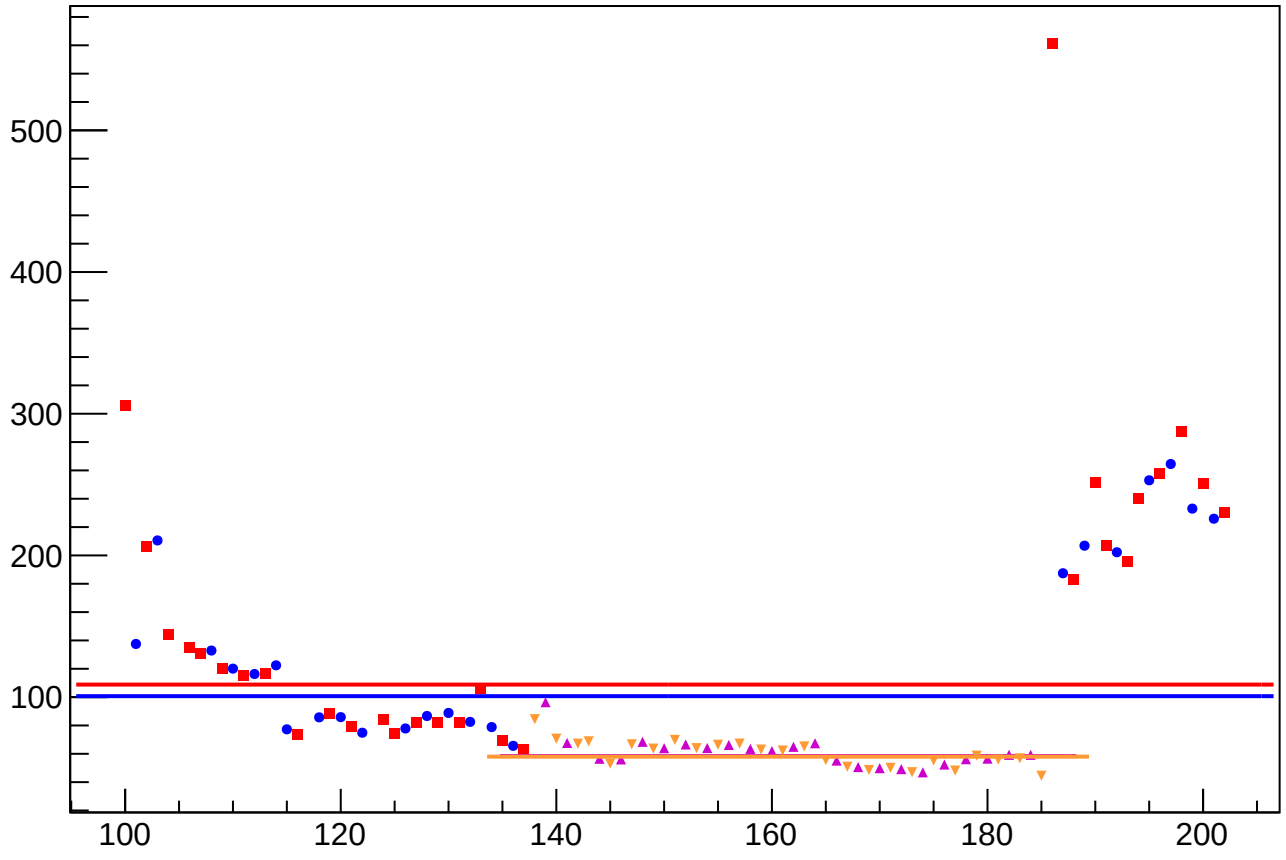
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 24.494+/-22.814 χ^2/NDF: 58.6/51

In: 62.196+/-12.731 χ^2/NDF:48.5/45

Out: 37.328+/-12.385 χ^2/NDF:102.8/53

All: 49.419+/-8.877 χ^2/NDF: 153.3/99



Right In: 100.678+/-0.023 χ^2/NDF: 4531938.1/22

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 108.840+/-0.023 χ^2/NDF: 5962611.7/28

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

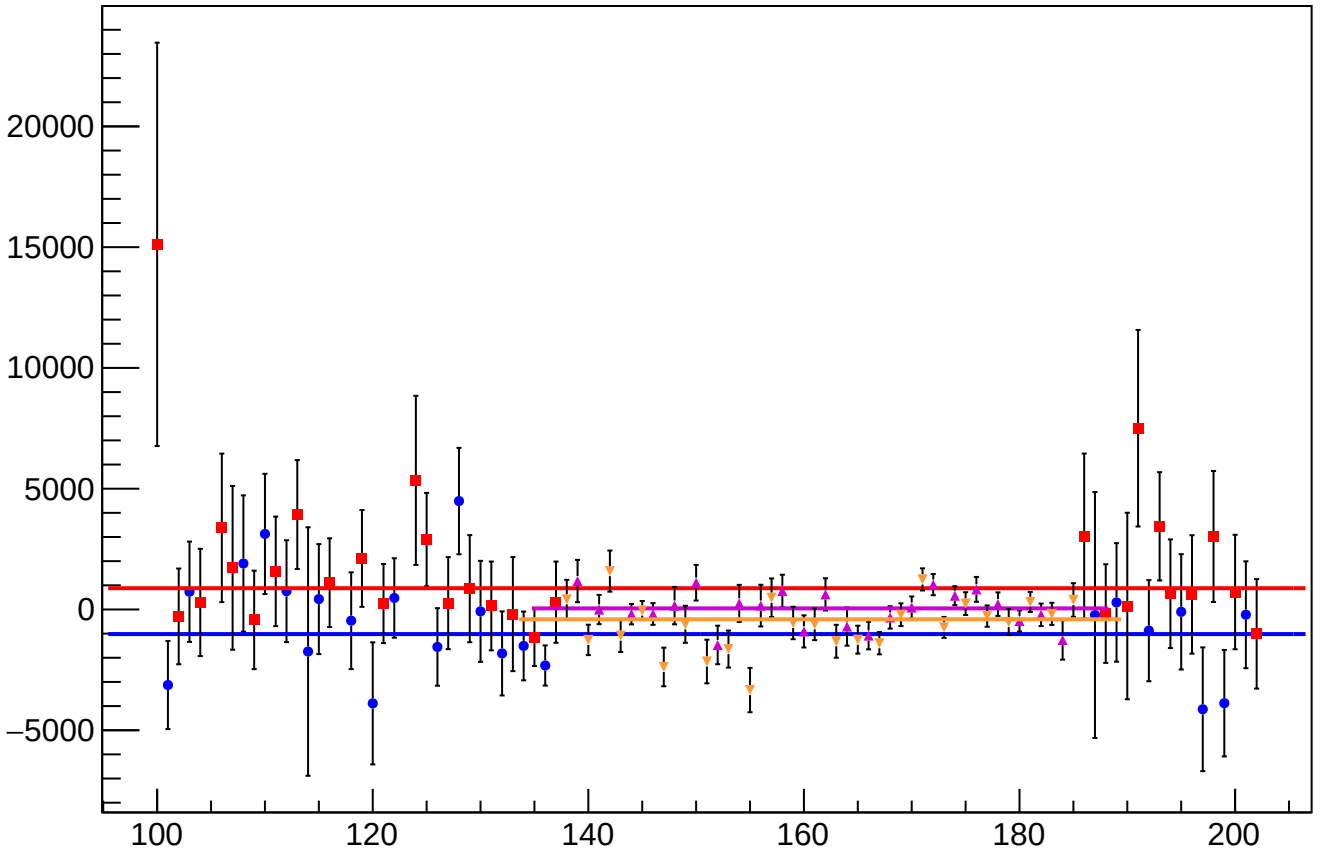
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 104.723+/-0.016 χ^2/NDF: 10558530.1/51

In: 65.037+/-0.009 χ^2/NDF:8187828.6/45

Out: 65.421+/-0.009 χ^2/NDF:10974454.9/53

All: 65.235+/-0.006 χ^2/NDF: 19163218.1/99



Right In: -1018.950+/-397.931 χ^2/NDF: 22.3/22

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 879.290+/-405.151 χ^2/NDF: 19.1/28

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

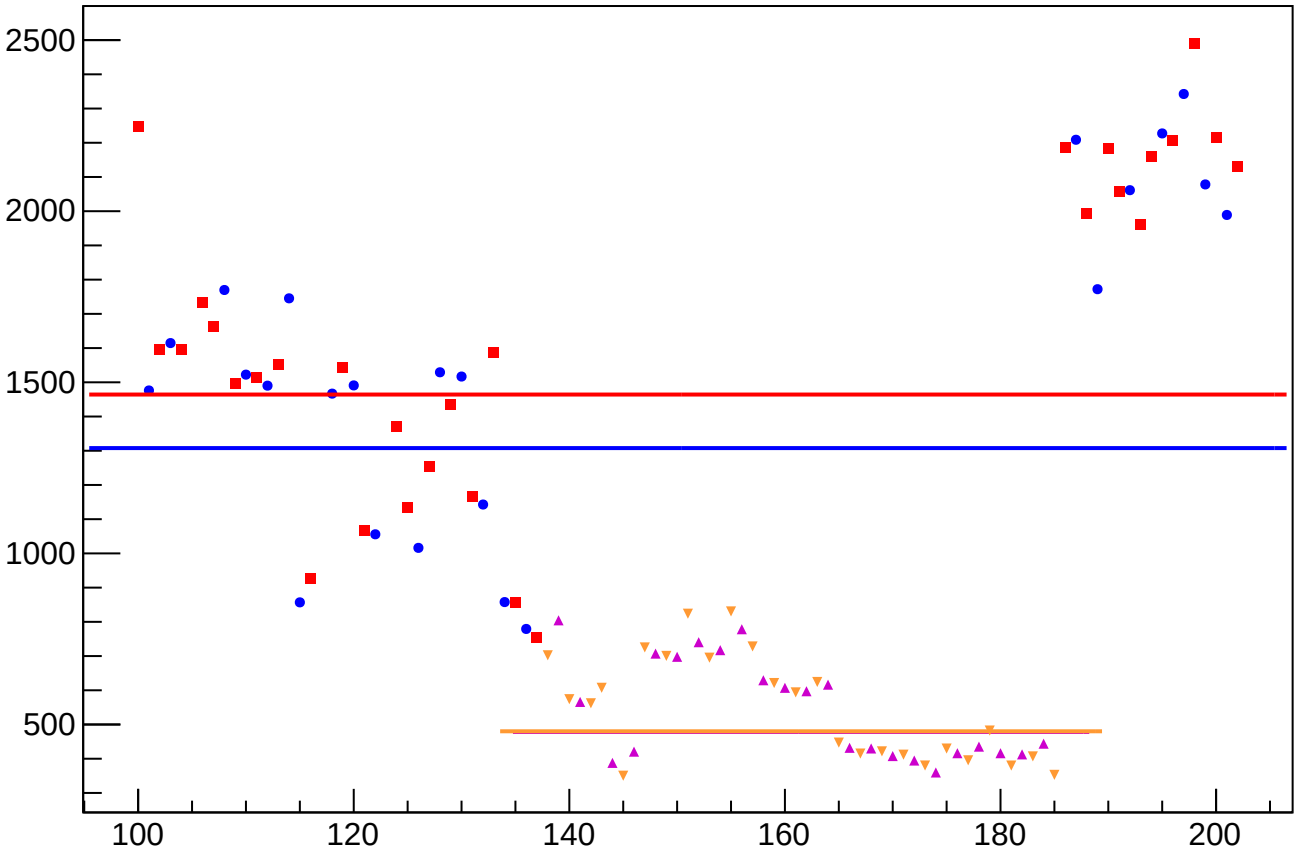
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

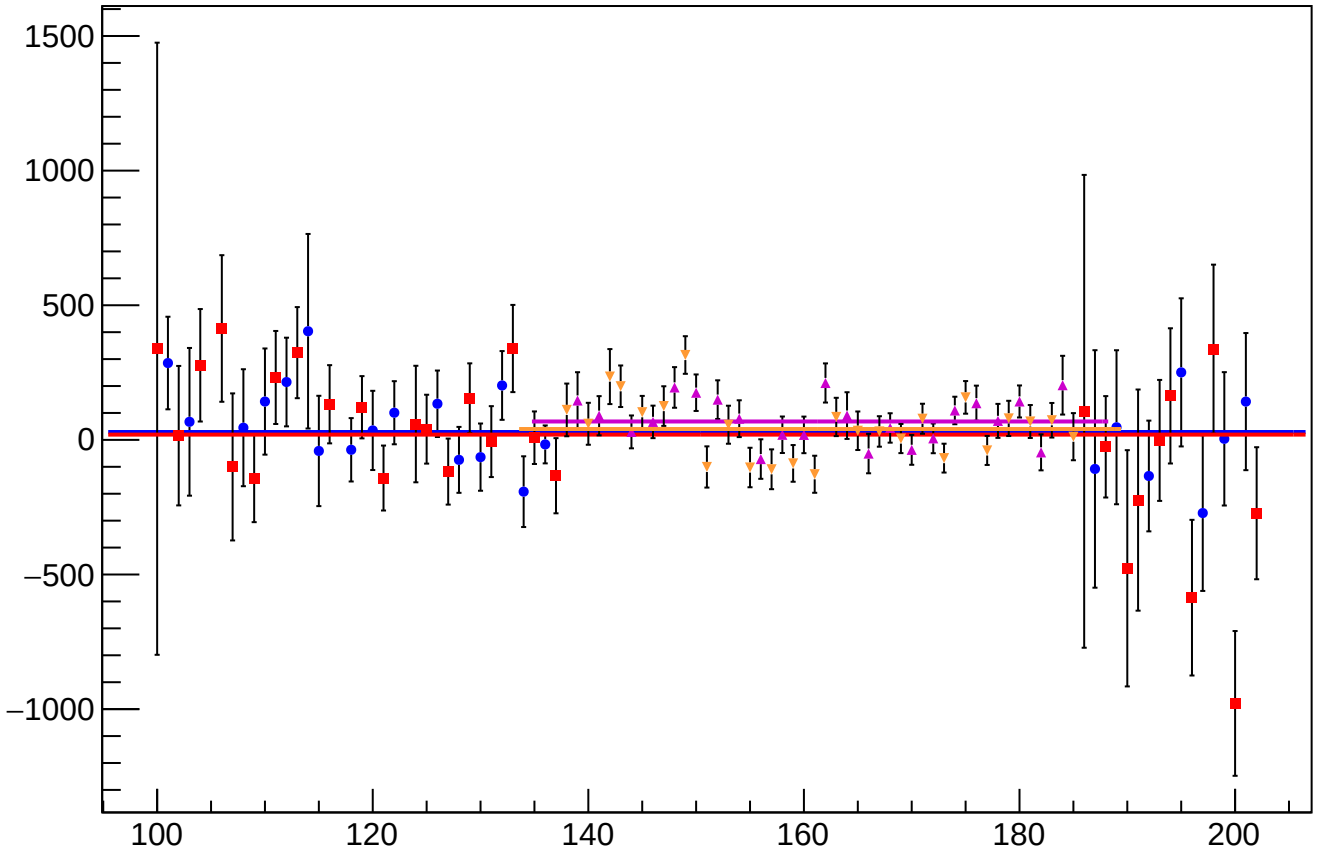
Right: -86.896+/-283.898 χ^2/NDF: 52.6/51

In: -38.175+/-111.157 χ^2/NDF:60.0/45

Out: -312.819+/-109.263 χ^2/NDF:91.6/53

All: -177.856+/-77.922 χ^2/NDF: 154.7/99


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1307.759+/-0.281 χ²/NDF: 2890041.2/22
Left Out: 480.162+/-0.080 χ²/NDF:2582213.9/24
Right Out: 1464.238+/-0.286 χ²/NDF: 2832319.4/28
Left In: 478.084+/-0.082 χ²/NDF:2215520.4/22
Left: 479.144+/-0.057 χ²/NDF: 4798063.1/47
Right: 1384.592+/-0.201 χ²/NDF: 5874213.0/51
In: 542.822+/-0.079 χ²/NDF:13121390.5/45
Out: 551.734+/-0.077 χ²/NDF:16355596.3/53
All: 547.355+/-0.055 χ²/NDF: 29483524.7/99



Right In: 29.189+/-32.124 χ^2/NDF: 15.5/22

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 19.573+/-32.408 χ^2/NDF: 43.0/28

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

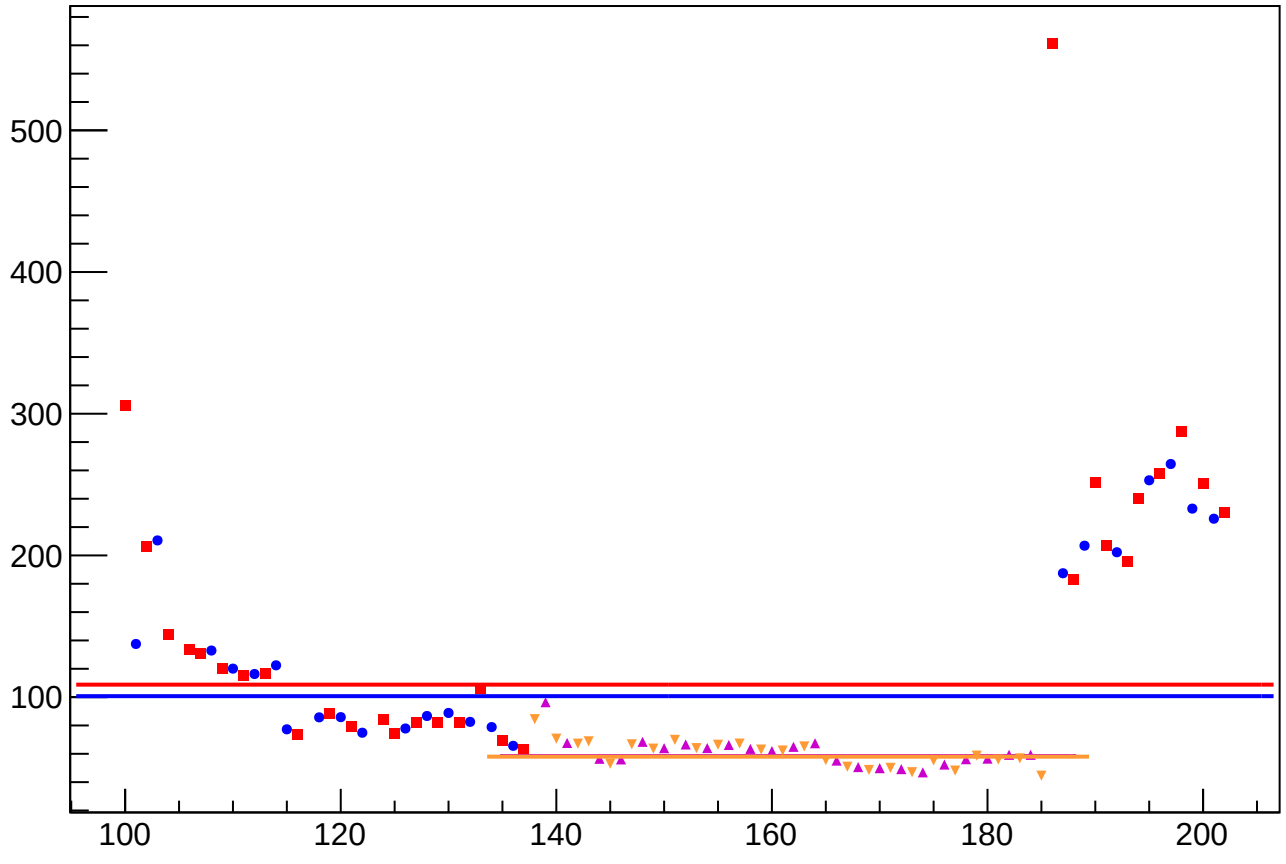
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 24.424+/-22.815 χ^2/NDF: 58.5/51

In: 62.194+/-12.731 χ^2/NDF:48.5/45

Out: 37.311+/-12.385 χ^2/NDF:102.8/53

All: 49.409+/-8.877 χ^2/NDF: 153.2/99



Right In: 100.678+/-0.023 χ^2/NDF: 4531941.1/22

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 108.810+/-0.023 χ^2/NDF: 5960129.5/28

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

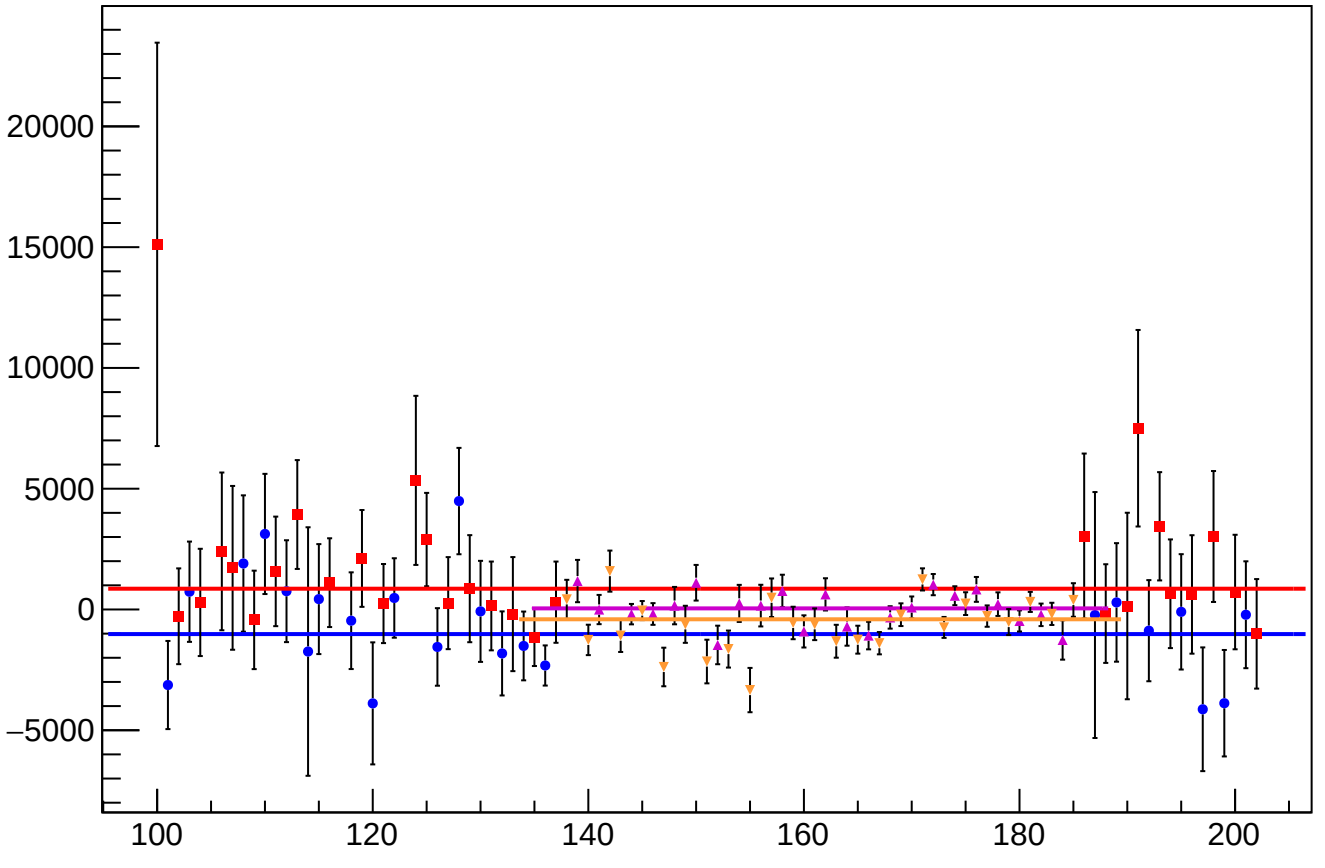
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 104.708+/-0.016 χ^2/NDF: 10555576.8/51

In: 65.037+/-0.009 χ^2/NDF:8187830.9/45

Out: 65.416+/-0.009 χ^2/NDF:10966619.9/53

All: 65.232+/-0.006 χ^2/NDF: 19155360.9/99



Right In: -1018.923+/-397.932 χ^2/NDF: 22.3/22

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 859.631+/-405.565 χ^2/NDF: 18.6/28

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

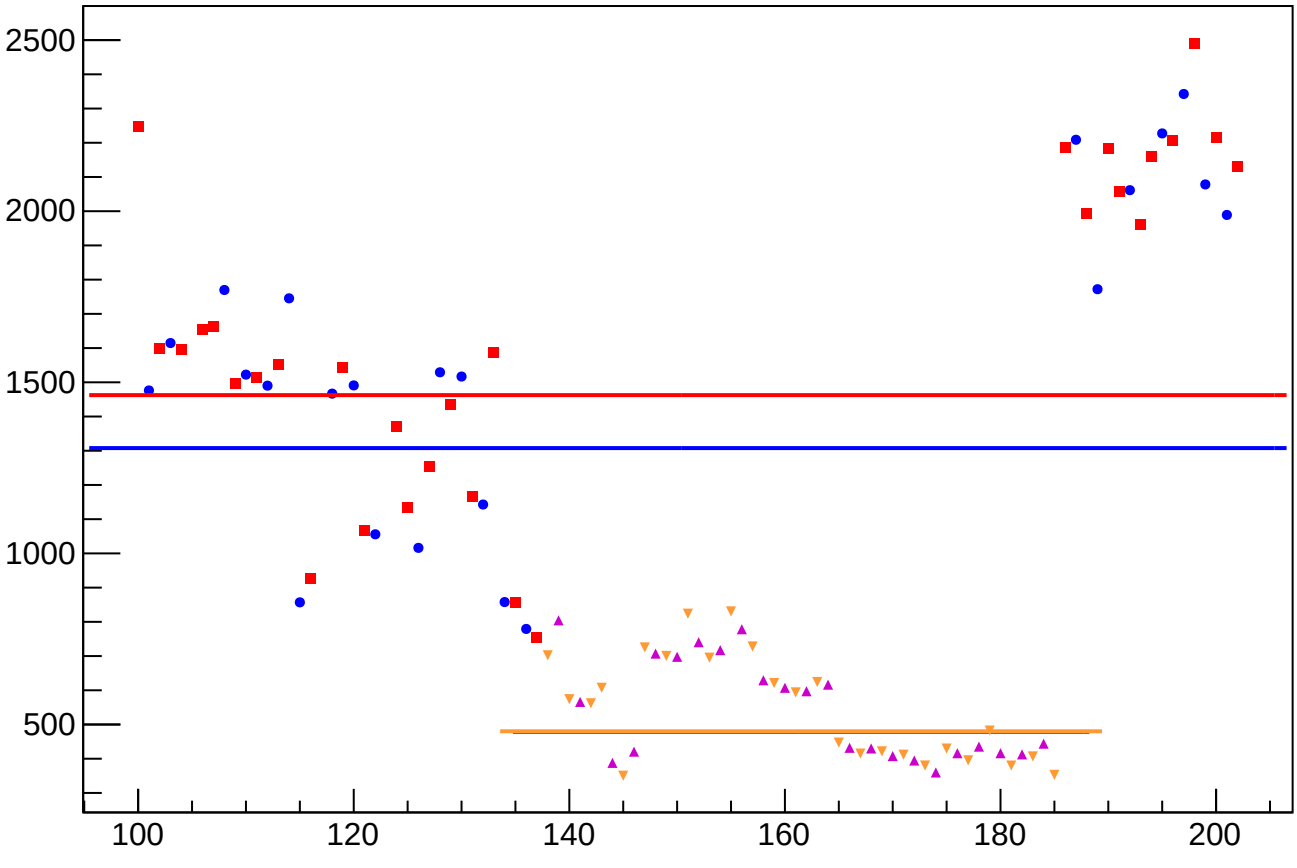
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -97.491+/-284.041 χ^2/NDF: 51.9/51

In: -38.173+/-111.157 χ^2/NDF:60.0/45

Out: -314.421+/-109.271 χ^2/NDF:90.9/53

All: -178.660+/-77.925 χ^2/NDF: 154.0/99



Right In: 1307.761+/-0.281 χ^2/NDF: 2890071.8/22

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1462.542+/-0.287 χ^2/NDF: 2823944.3/28

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

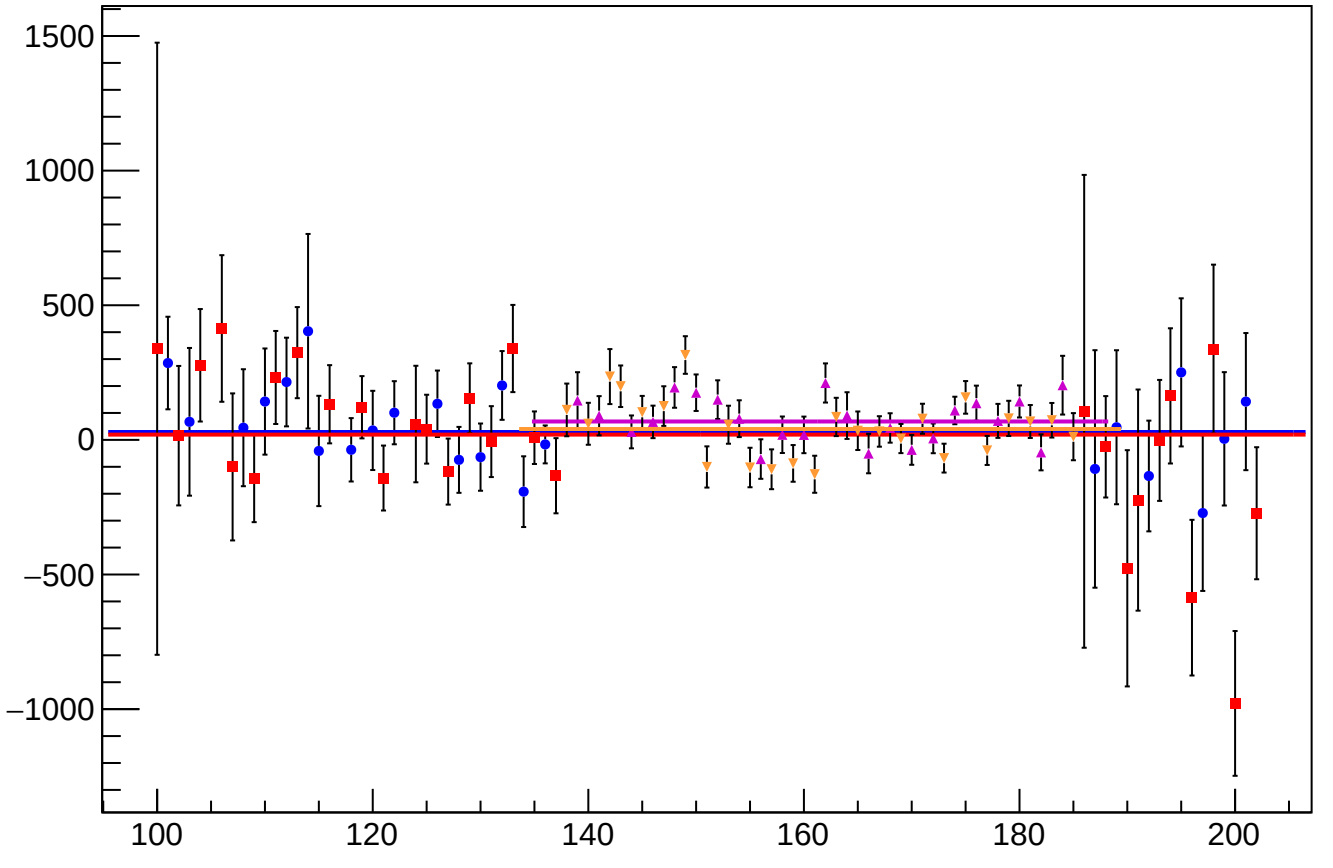
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1383.681+/-0.201 χ^2/NDF: 5862435.1/51

In: 542.822+/-0.079 χ^2/NDF:13121418.2/45

Out: 551.476+/-0.077 χ^2/NDF:16288906.2/53

All: 547.223+/-0.055 χ^2/NDF: 29416488.0/99



Right In: 29.189+/-32.124 χ^2/NDF: 15.5/22

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 19.573+/-32.408 χ^2/NDF: 43.0/28

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

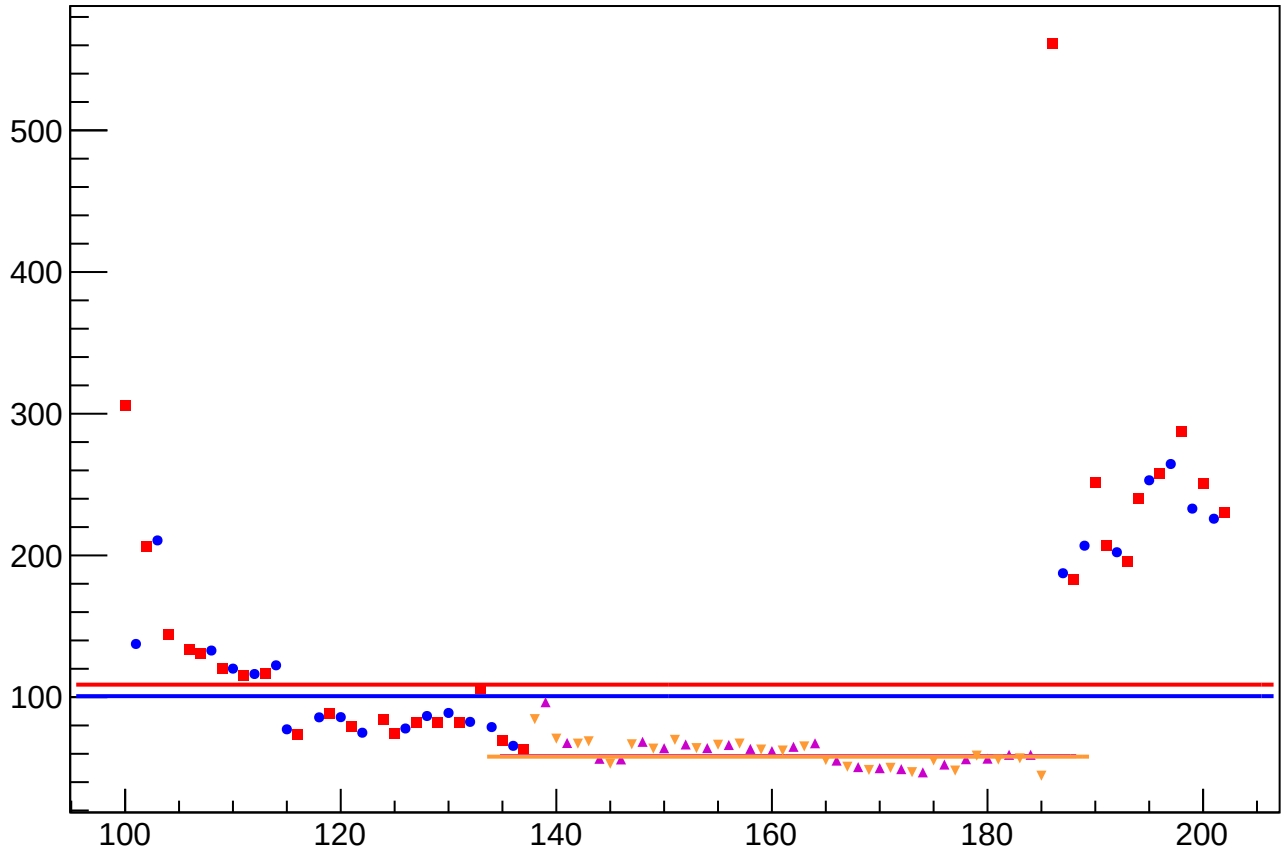
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 24.424+/-22.815 χ^2/NDF: 58.5/51

In: 62.194+/-12.731 χ^2/NDF:48.5/45

Out: 37.311+/-12.385 χ^2/NDF:102.8/53

All: 49.409+/-8.877 χ^2/NDF: 153.2/99



Right In: 100.678+/-0.023 χ^2/NDF: 4531941.1/22

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 108.810+/-0.023 χ^2/NDF: 5960129.5/28

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

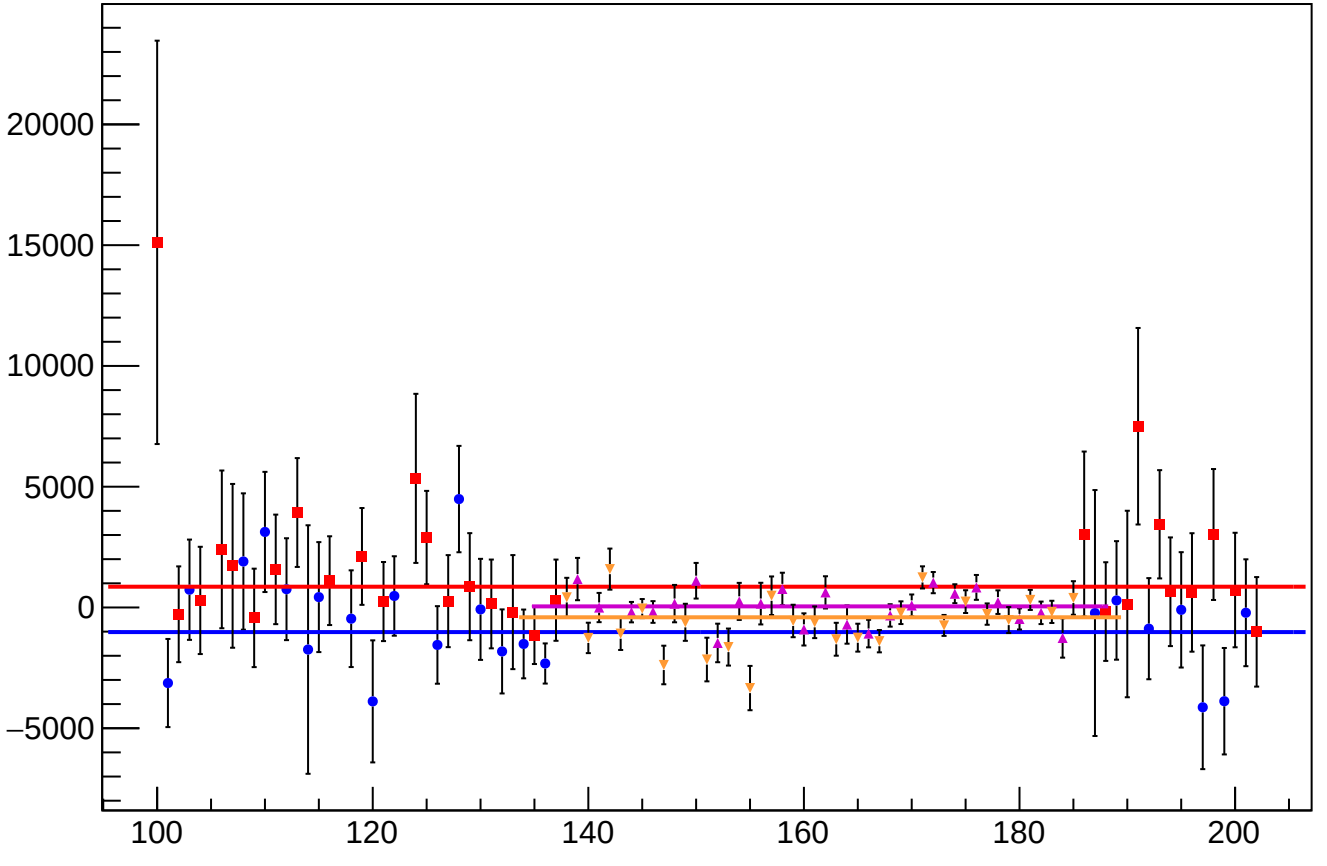
Right: 104.708+/-0.016 χ^2/NDF: 10555576.8/51

In: 65.037+/-0.009 χ^2/NDF:8187830.9/45

Out: 65.416+/-0.009 χ^2/NDF:10966619.9/53

All: 65.232+/-0.006 χ^2/NDF: 19155360.9/99

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1018.923+/-397.932 χ^2/NDF: 22.3/22

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 859.631+/-405.565 χ^2/NDF: 18.6/28

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

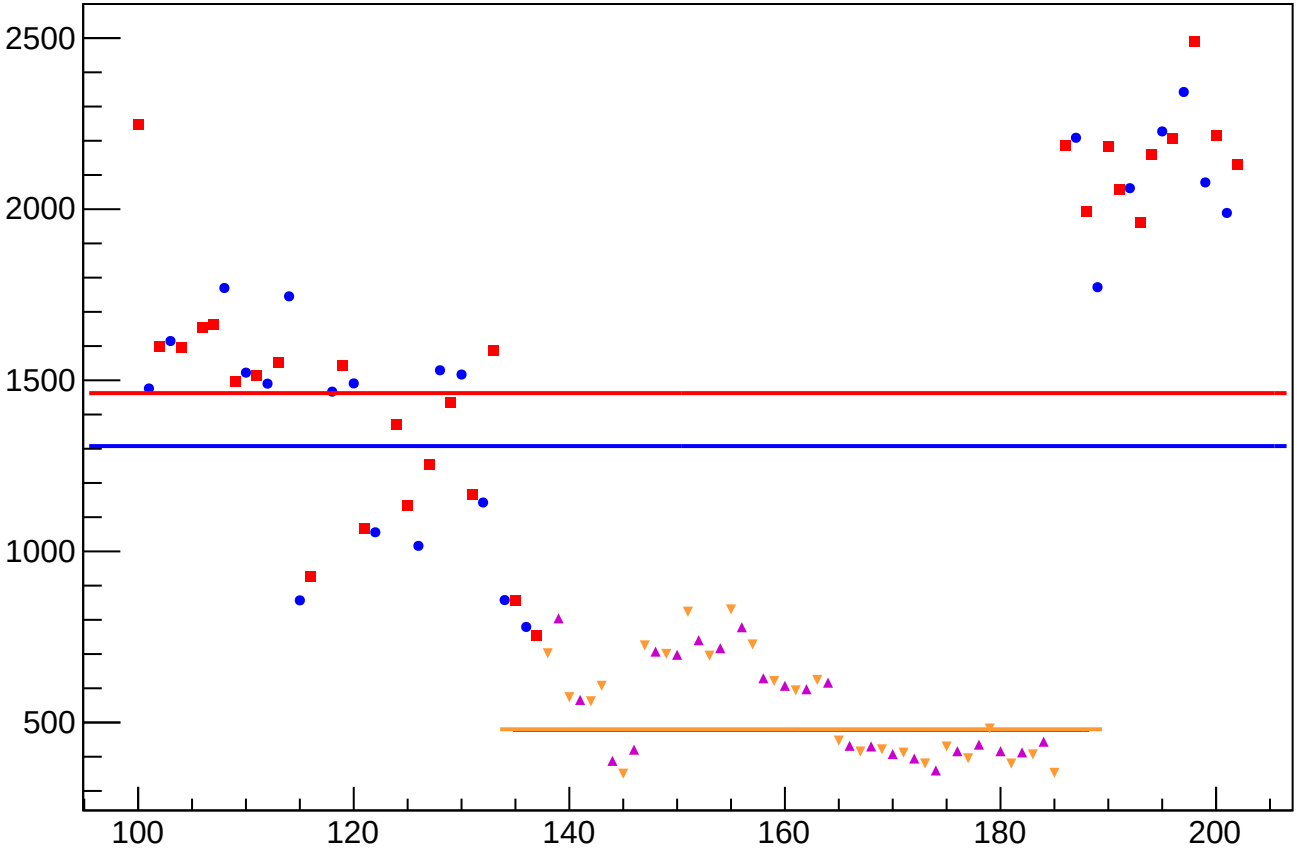
Right: -97.491+/-284.041 χ^2/NDF: 51.9/51

In: -38.173+/-111.157 χ^2/NDF:60.0/45

Out: -314.421+/-109.271 χ^2/NDF:90.9/53

All: -178.660+/-77.925 χ^2/NDF: 154.0/99

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1307.761+/-0.281 χ^2/NDF: 2890071.8/22

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1462.542+/-0.287 χ^2/NDF: 2823944.3/28

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

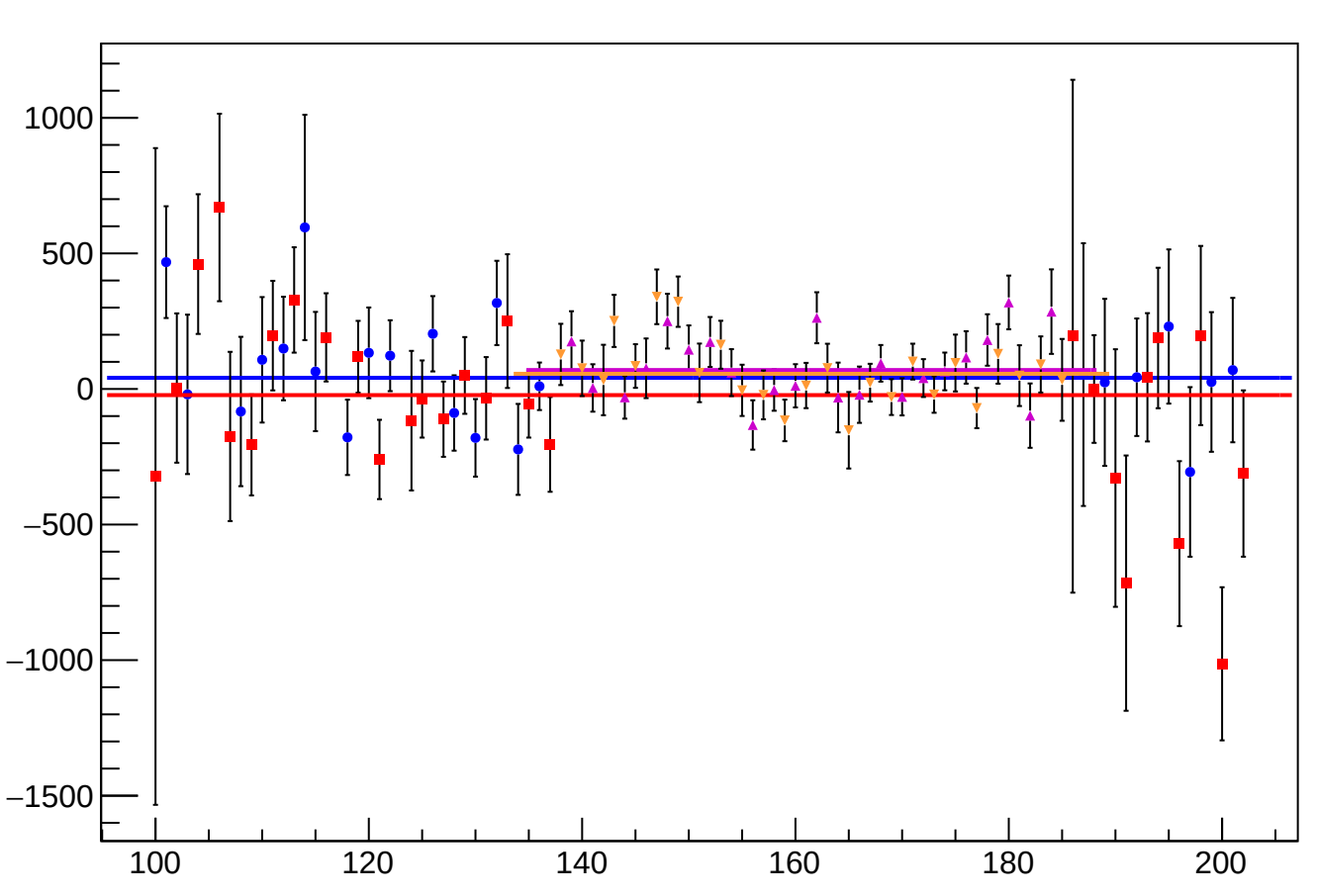
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1383.681+/-0.201 χ^2/NDF: 5862435.1/51

In: 542.822+/-0.079 χ^2/NDF:13121418.2/45

Out: 551.476+/-0.077 χ^2/NDF:16288906.2/53

All: 547.223+/-0.055 χ^2/NDF: 29416488.0/99



Right In: 41.131+/-37.411 χ^2/NDF: 22.0/22

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -22.655+/-37.677 χ^2/NDF: 42.2/28

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

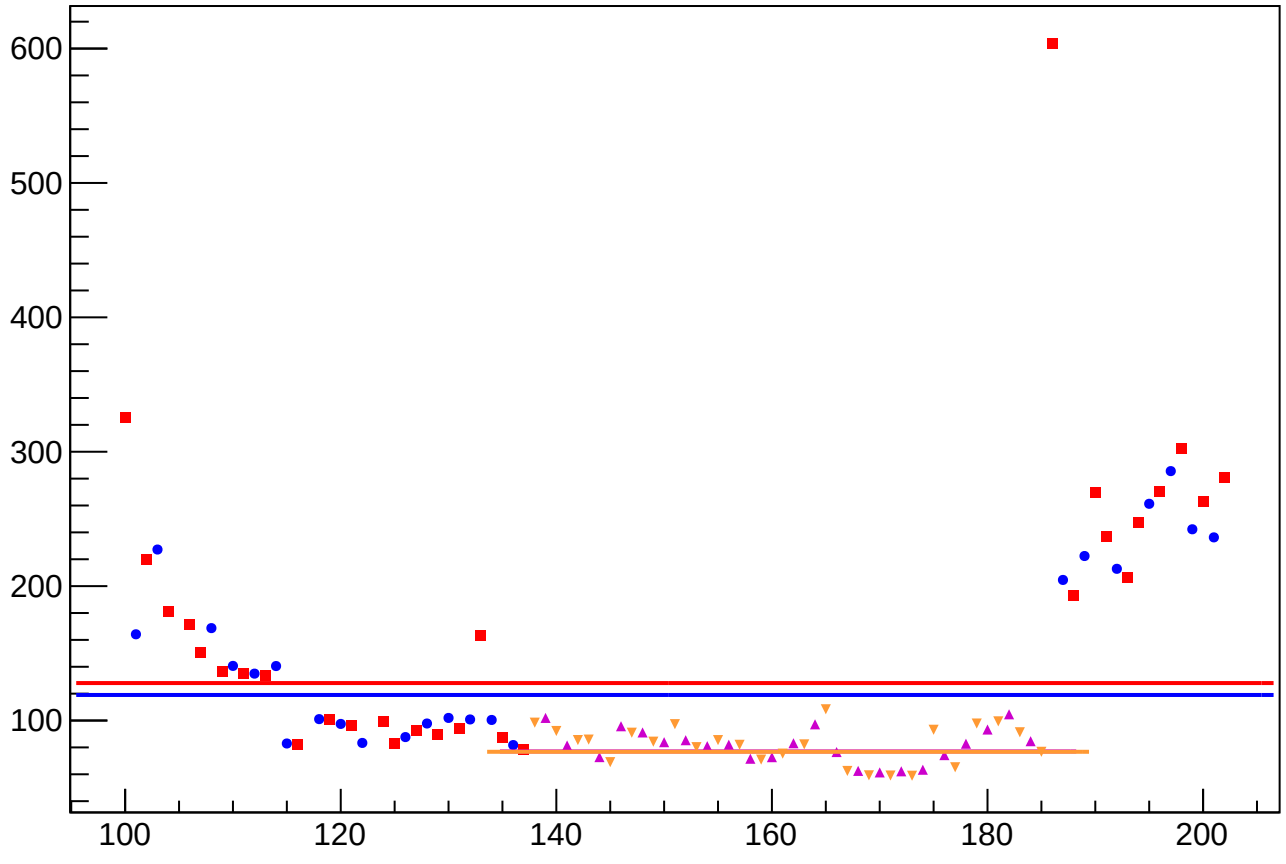
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 9.464+/-26.547 χ^2/NDF: 65.7/51

In: 64.203+/-16.581 χ^2/NDF:57.0/45

Out: 41.409+/-16.204 χ^2/NDF:84.1/53

All: 52.545+/-11.589 χ^2/NDF: 142.1/99



Right In: 119.022+/-0.026 χ^2/NDF: 3906742.5/22

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 127.881+/-0.027 χ^2/NDF: 5369361.0/28

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

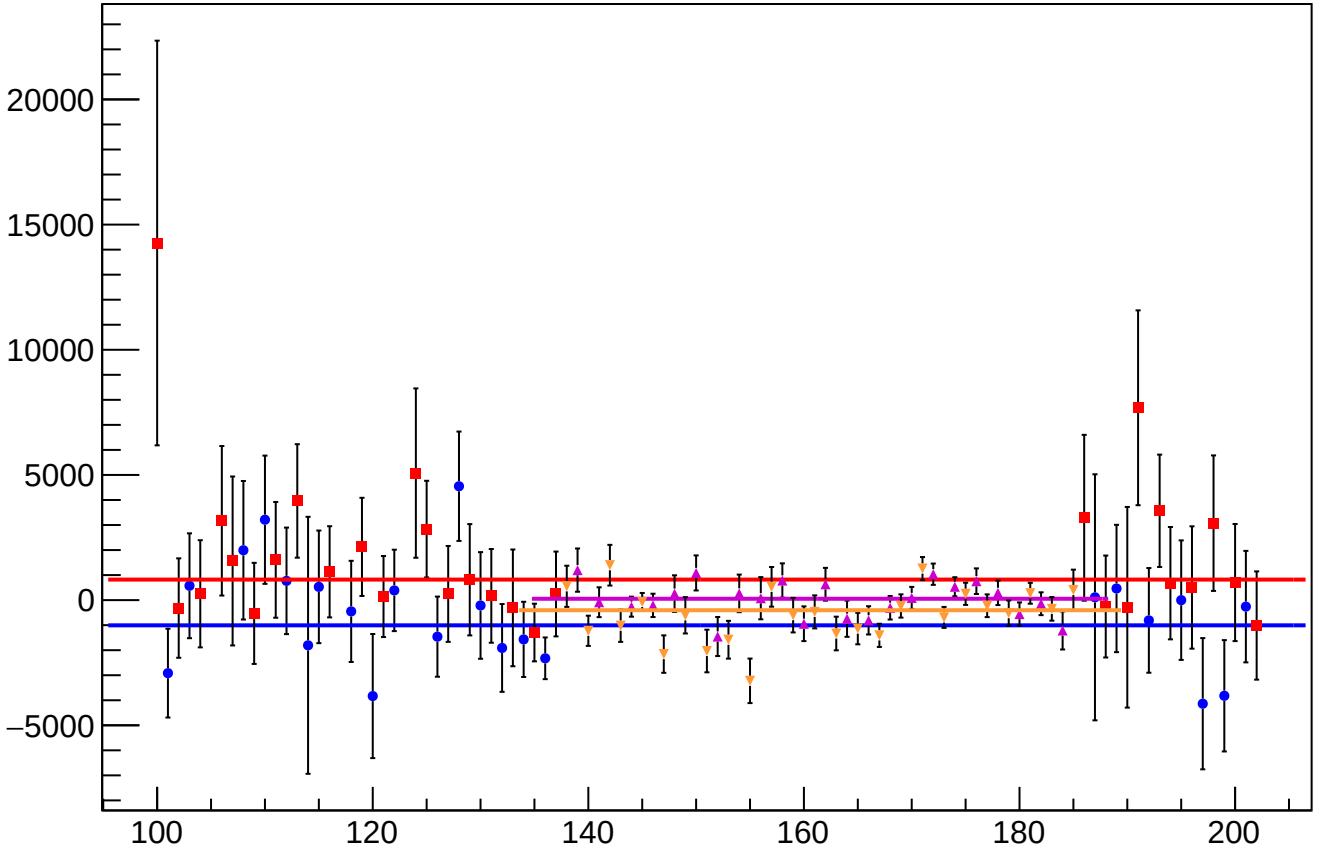
Right: 123.420+/-0.019 χ^2/NDF: 9331782.9/51

In: 85.269+/-0.012 χ^2/NDF:6791586.5/45

Out: 86.203+/-0.011 χ^2/NDF:9606759.5/53

All: 85.747+/-0.008 χ^2/NDF: 16401591.5/99

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.686+/-399.945 χ^2/NDF: 22.2/22

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 820.383+/-400.990 χ^2/NDF: 20.5/28

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

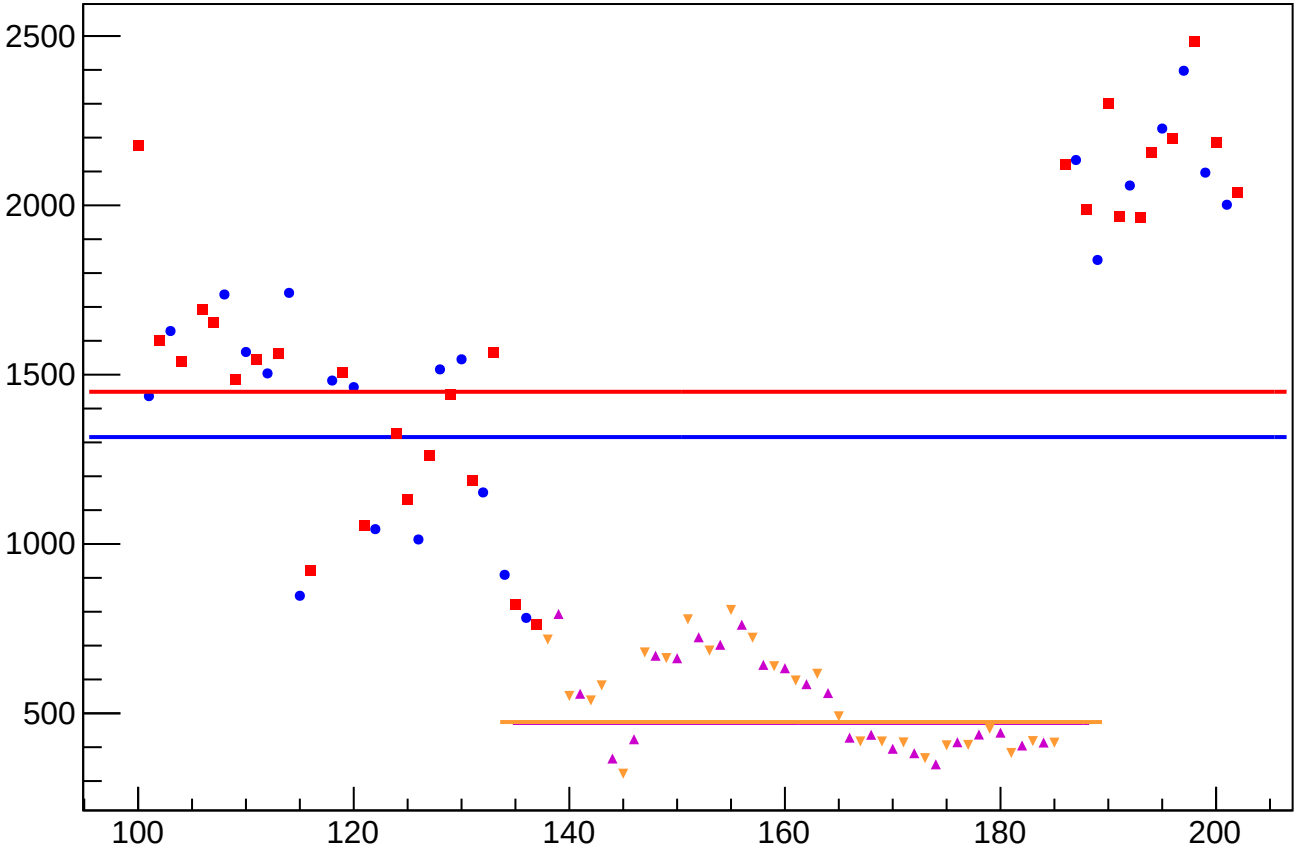
Right: -95.535+/-283.172 χ^2/NDF: 53.2/51

In: -25.814+/-109.832 χ^2/NDF:59.4/45

Out: -315.147+/-107.669 χ^2/NDF:89.9/53

All: -173.358+/-76.887 χ^2/NDF: 152.9/99

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1315.738+/-0.283 χ^2/NDF: 2870772.4/22

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1449.480+/-0.284 χ^2/NDF: 2871043.2/28

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

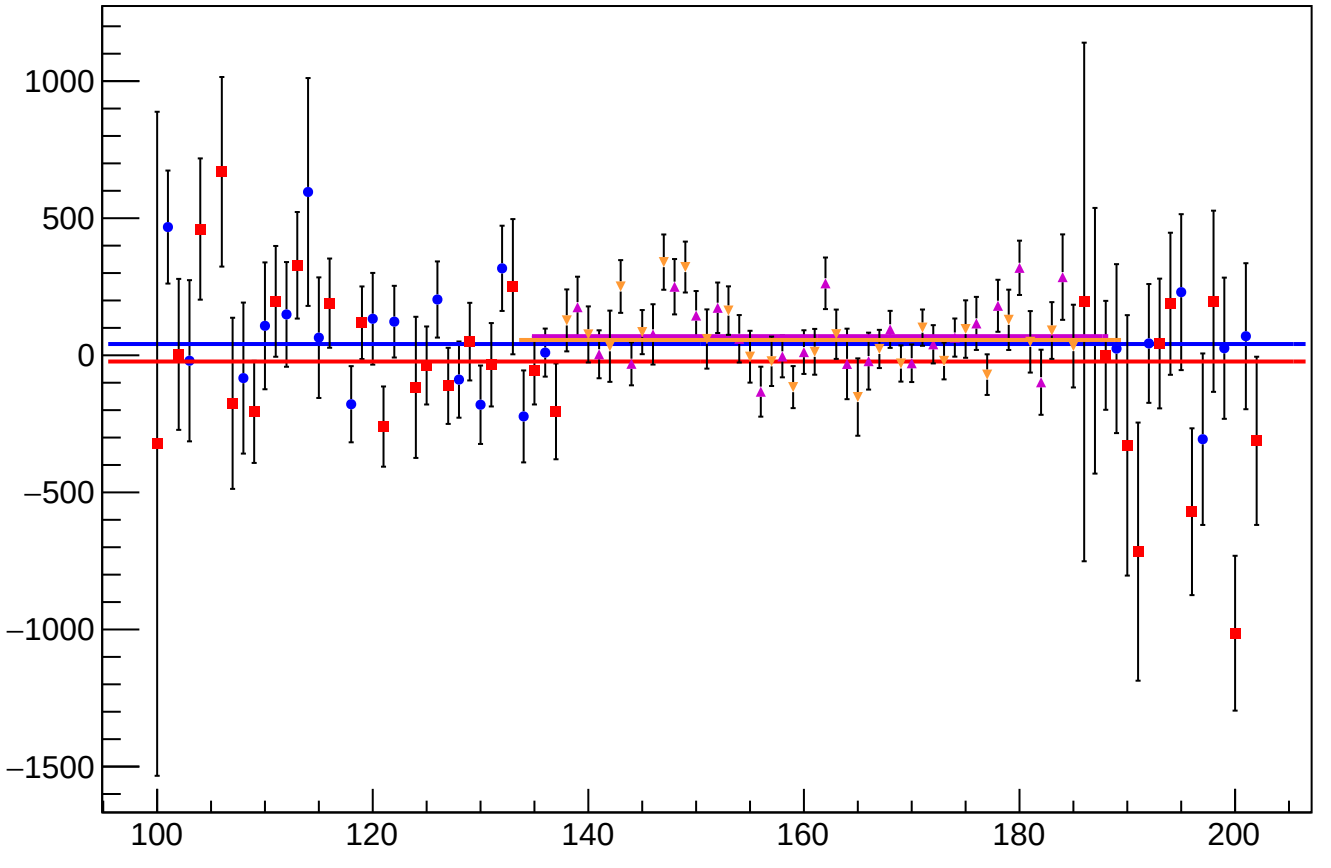
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1382.435+/-0.200 χ^2/NDF: 5853348.2/51

In: 535.127+/-0.078 χ^2/NDF:13320591.5/45

Out: 544.601+/-0.076 χ^2/NDF:16385974.5/53

All: 539.958+/-0.054 χ^2/NDF: 29714154.3/99



Right In: 41.131+/-37.411 χ^2/NDF: 22.0/22

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -22.657+/-37.677 χ^2/NDF: 42.2/28

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

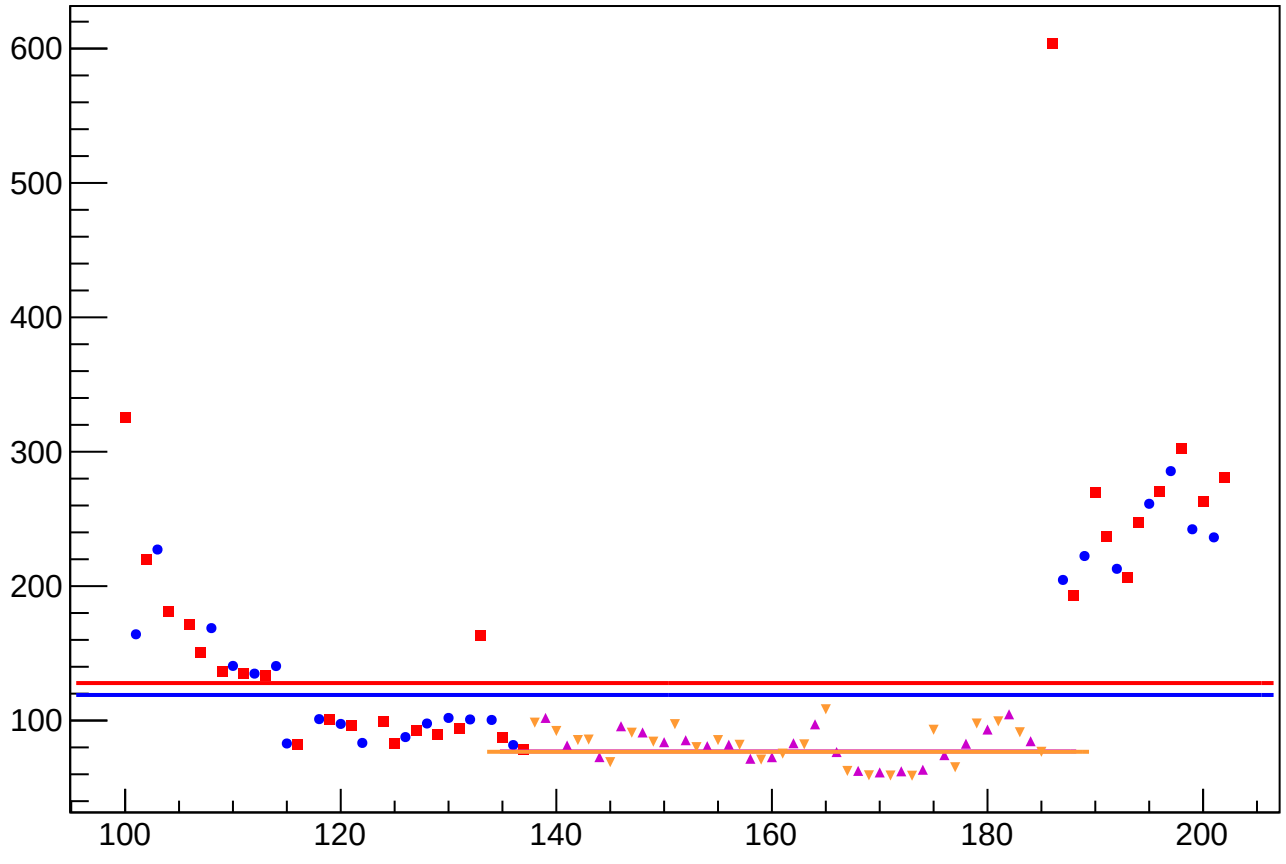
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 9.463+/-26.547 χ^2/NDF: 65.7/51

In: 64.203+/-16.581 χ^2/NDF:57.0/45

Out: 41.408+/-16.204 χ^2/NDF:84.1/53

All: 52.544+/-11.589 χ^2/NDF: 142.0/99



Right In: 119.021+/-0.026 χ^2/NDF: 3906748.4/22

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 127.881+/-0.027 χ^2/NDF: 5369370.4/28

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

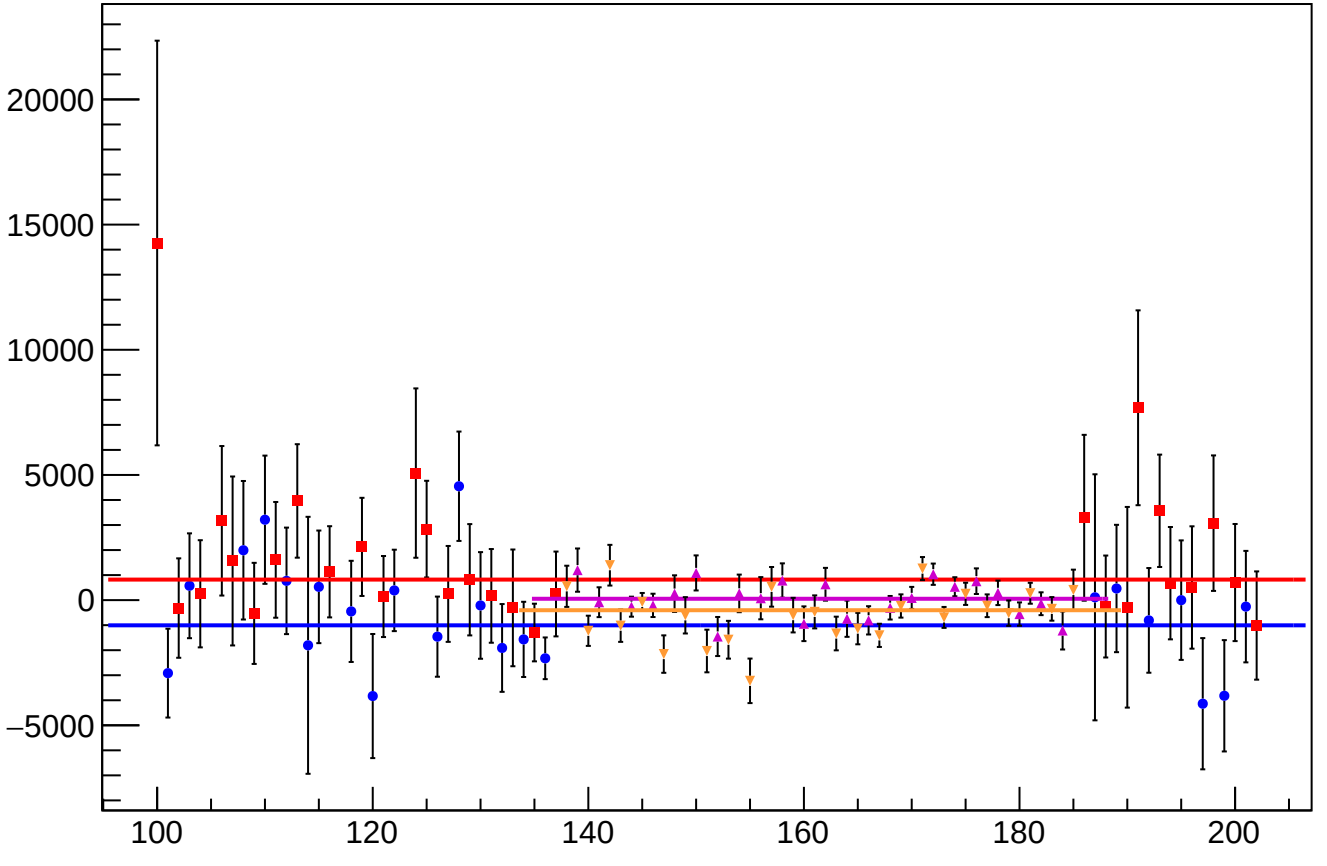
Right: 123.420+/-0.019 χ^2/NDF: 9331800.5/51

In: 85.269+/-0.012 χ^2/NDF:6791534.4/45

Out: 86.203+/-0.011 χ^2/NDF:9606724.9/53

All: 85.747+/-0.008 χ^2/NDF: 16401504.7/99

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.682+/-399.944 χ^2/NDF: 22.2/22

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 820.384+/-400.989 χ^2/NDF: 20.5/28

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

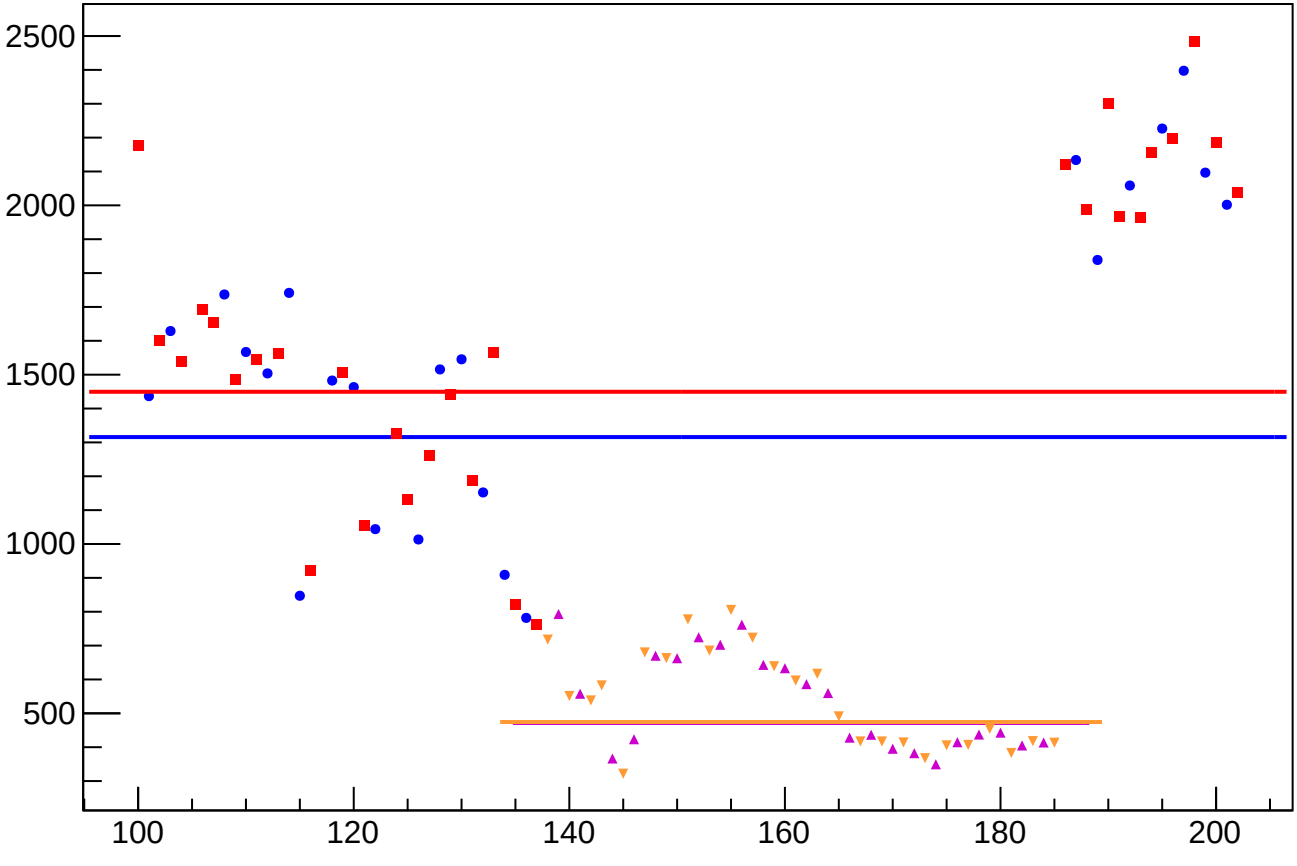
Right: -95.533+/-283.172 χ^2/NDF: 53.2/51

In: -25.814+/-109.832 χ^2/NDF:59.4/45

Out: -315.146+/-107.669 χ^2/NDF:89.9/53

All: -173.357+/-76.887 χ^2/NDF: 152.9/99

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1315.737+/-0.283 χ^2/NDF: 2870762.7/22

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1449.478+/-0.284 χ^2/NDF: 2871040.5/28

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

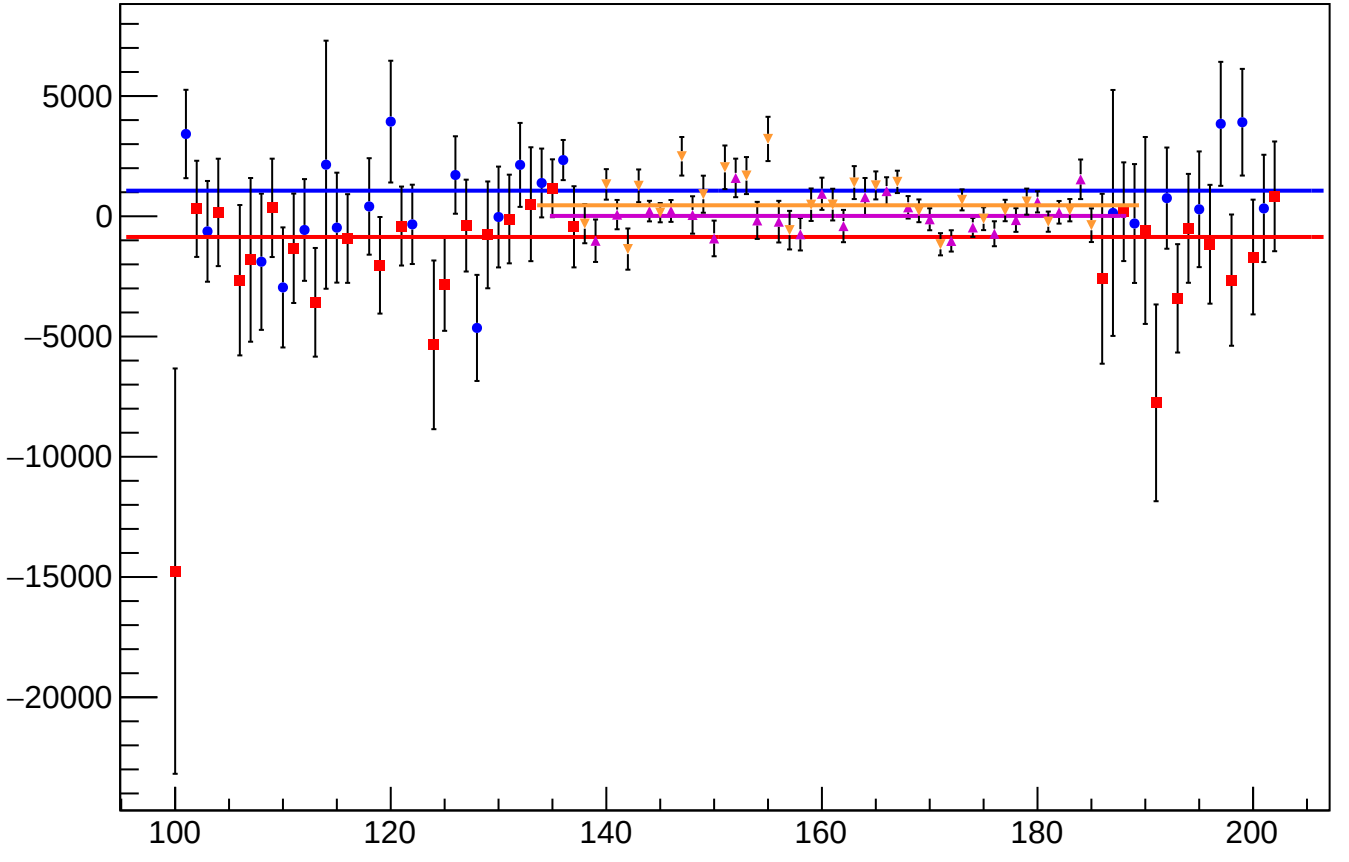
Right: 1382.433+/-0.200 χ^2/NDF: 5853335.3/51

In: 535.127+/-0.078 χ^2/NDF:13320572.4/45

Out: 544.601+/-0.076 χ^2/NDF:16385968.1/53

All: 539.958+/-0.054 χ^2/NDF: 29714128.5/99

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 1064.879+/-399.700 χ^2/NDF: 22.5/22

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -860.526+/-407.063 χ^2/NDF: 17.8/28

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

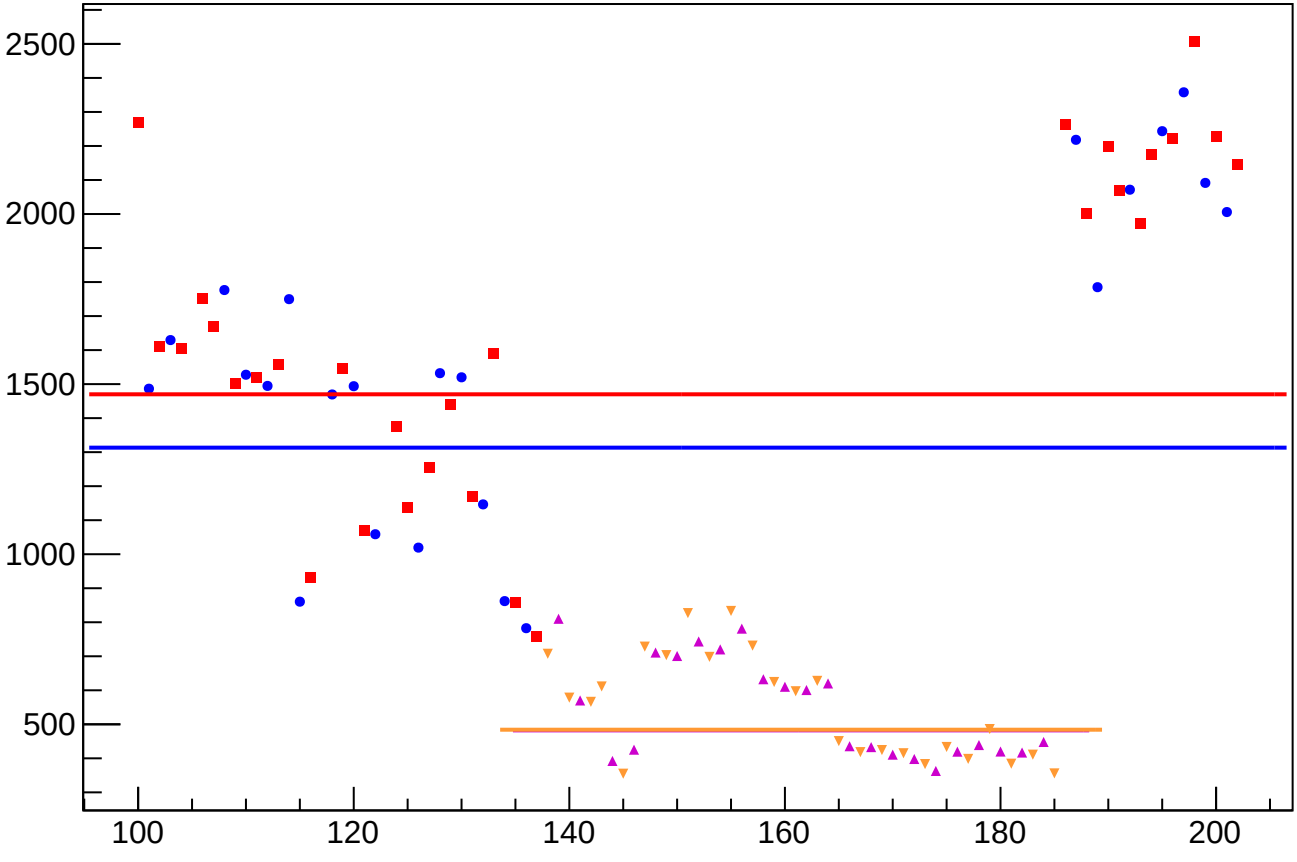
Right: 119.746+/-285.198 χ^2/NDF: 51.7/51

In: 97.551+/-112.024 χ^2/NDF:59.1/45

Out: 360.897+/-110.090 χ^2/NDF:86.9/53

All: 231.517+/-78.520 χ^2/NDF: 148.8/99

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1313.245+/-0.283 χ^2/NDF: 2901688.6/22

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1470.077+/-0.288 χ^2/NDF: 2864486.2/28

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

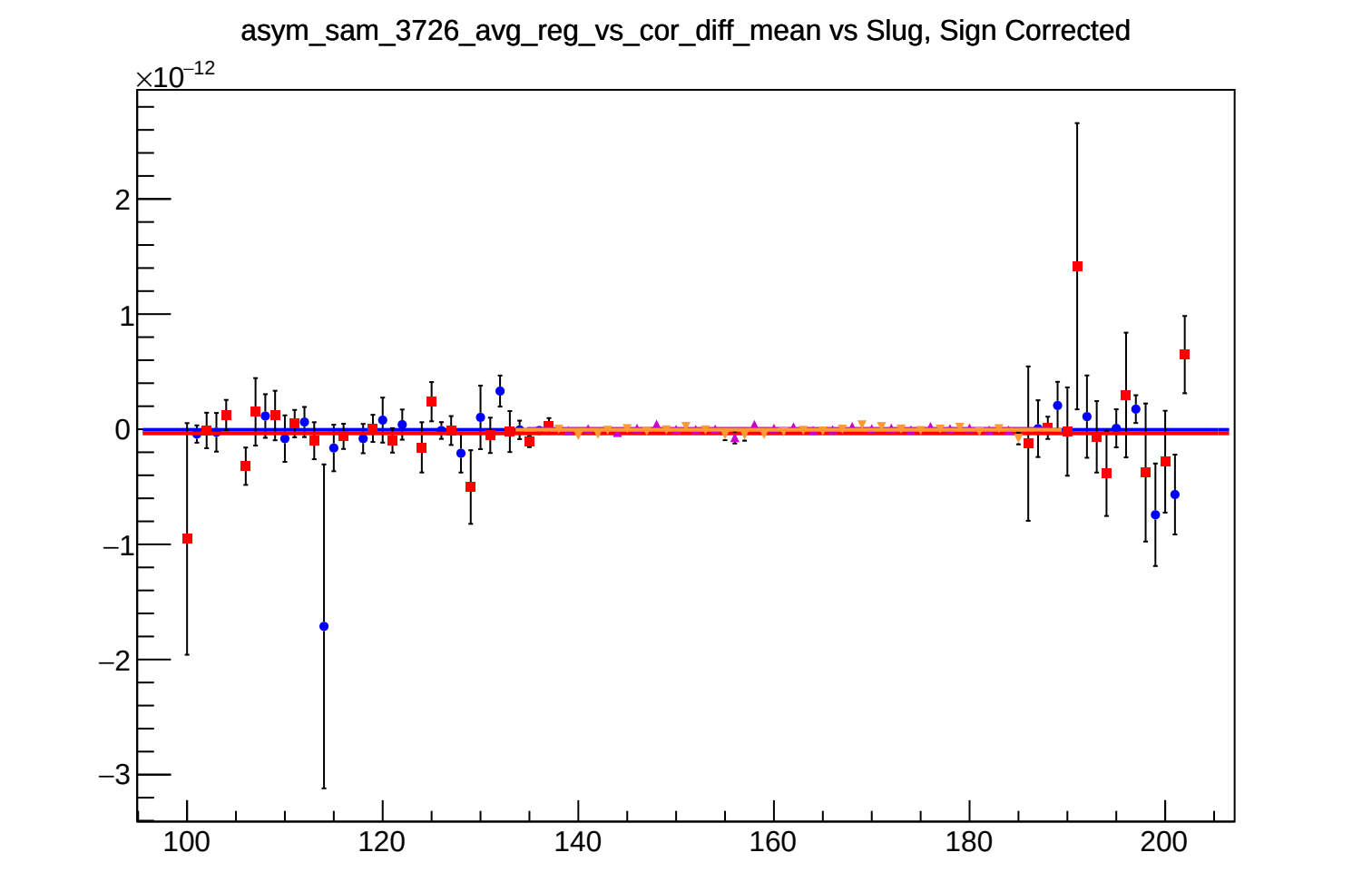
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1390.230+/-0.202 χ^2/NDF: 5917323.2/51

In: 547.442+/-0.079 χ^2/NDF:13055895.2/45

Out: 556.243+/-0.078 χ^2/NDF:16287960.7/53

All: 551.919+/-0.056 χ^2/NDF: 29350136.0/99



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/28

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

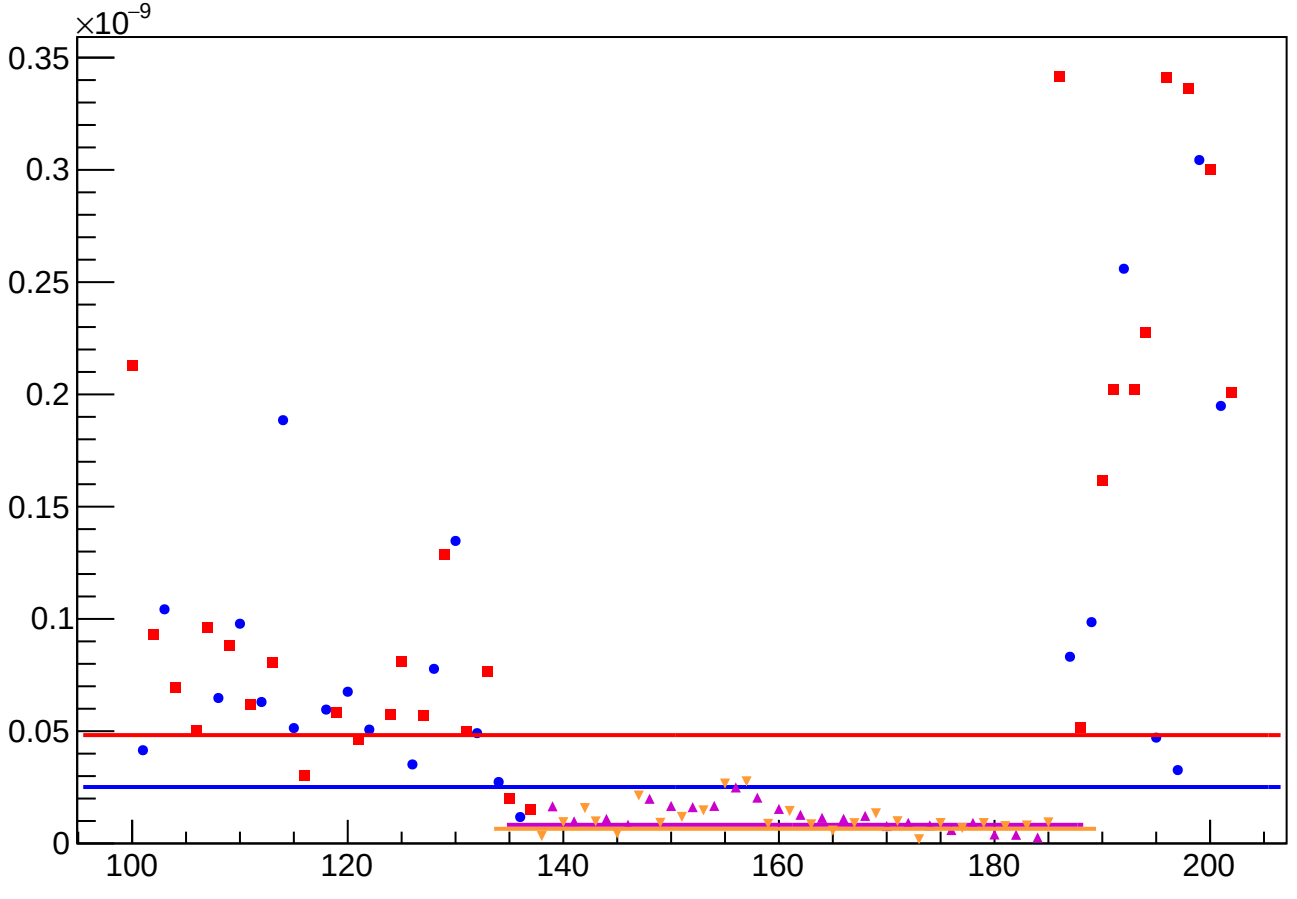
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 44.9/51

In: 0.000+/-0.000 χ^2/NDF:35.8/45

Out: -0.000+/-0.000 χ^2/NDF:55.8/53

All: -0.000+/-0.000 χ^2/NDF: 95.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 5406355.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5641365.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

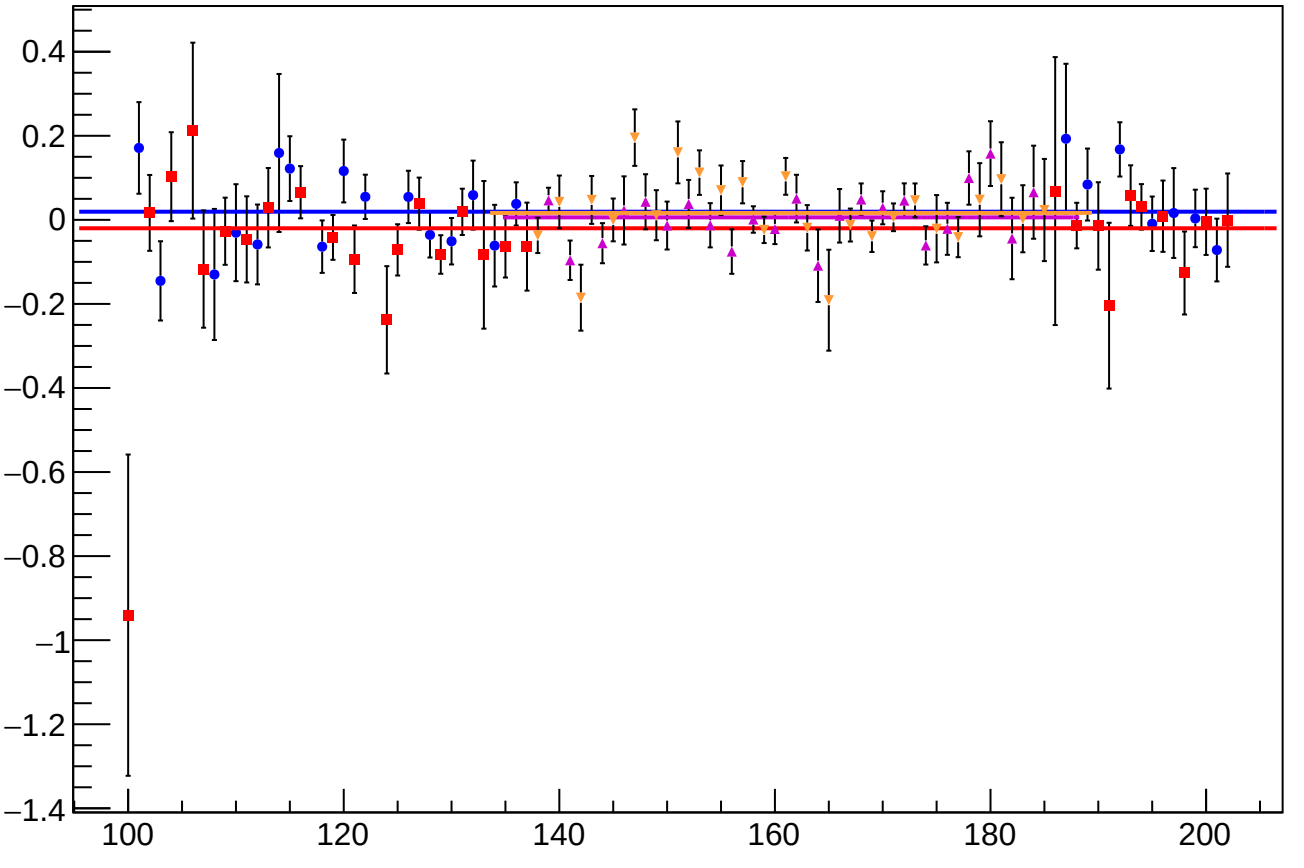
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12179585.4/51

In: 0.000+/-0.000 χ^2/NDF:10089442.6/45

Out: 0.000+/-0.000 χ^2/NDF:14590328.2/53

All: 0.000+/-0.000 χ^2/NDF: 25002435.2/99



Right In: 0.019+/-0.016 χ^2/NDF: 25.6/22

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

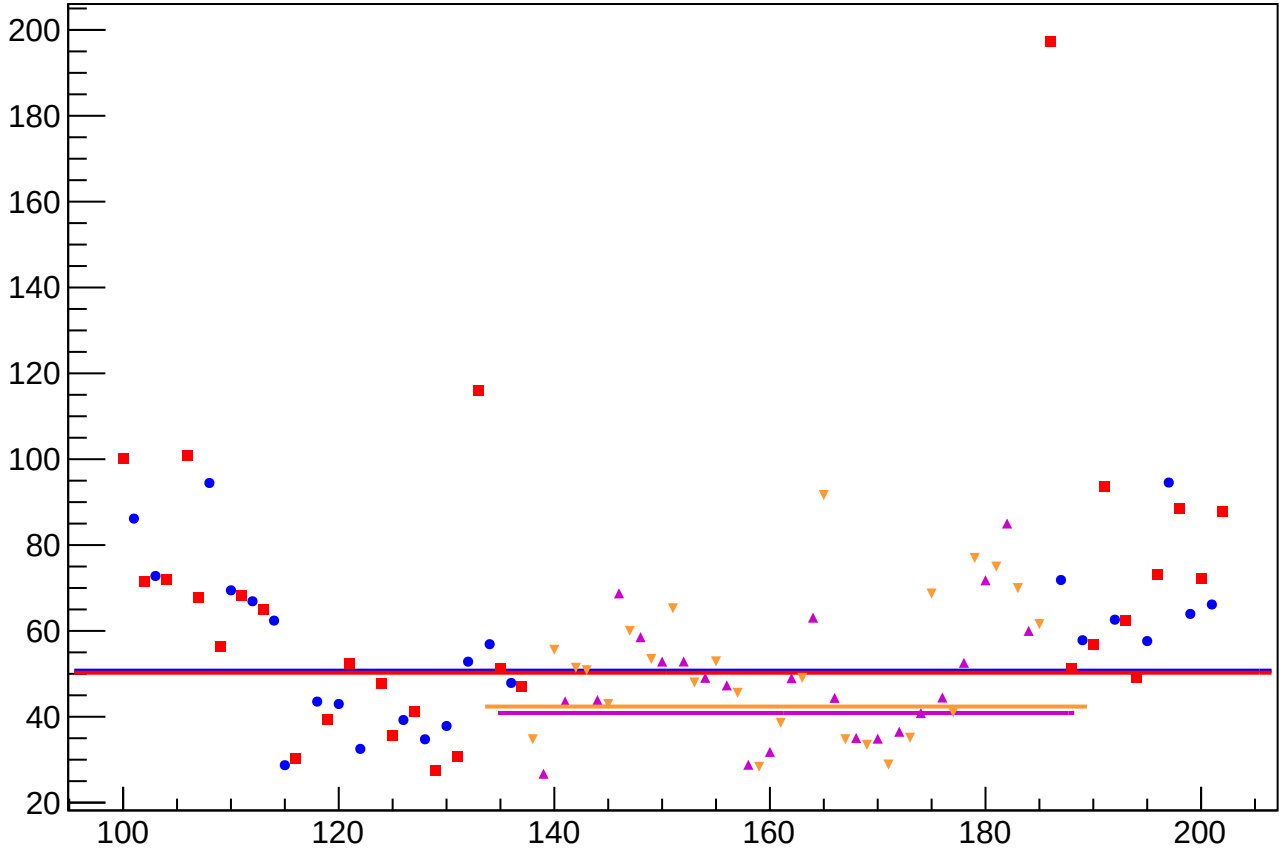
Right: -0.001+/-0.011 χ^2/NDF: 53.1/51

In: 0.010+/-0.009 χ^2/NDF:52.0/45

Out: 0.004+/-0.008 χ^2/NDF:69.3/53

All: 0.007+/-0.006 χ^2/NDF: 121.6/99

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.743+/-0.011 χ^2/NDF: 2044445.7/22

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 50.262+/-0.010 χ^2/NDF: 3395708.3/28

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

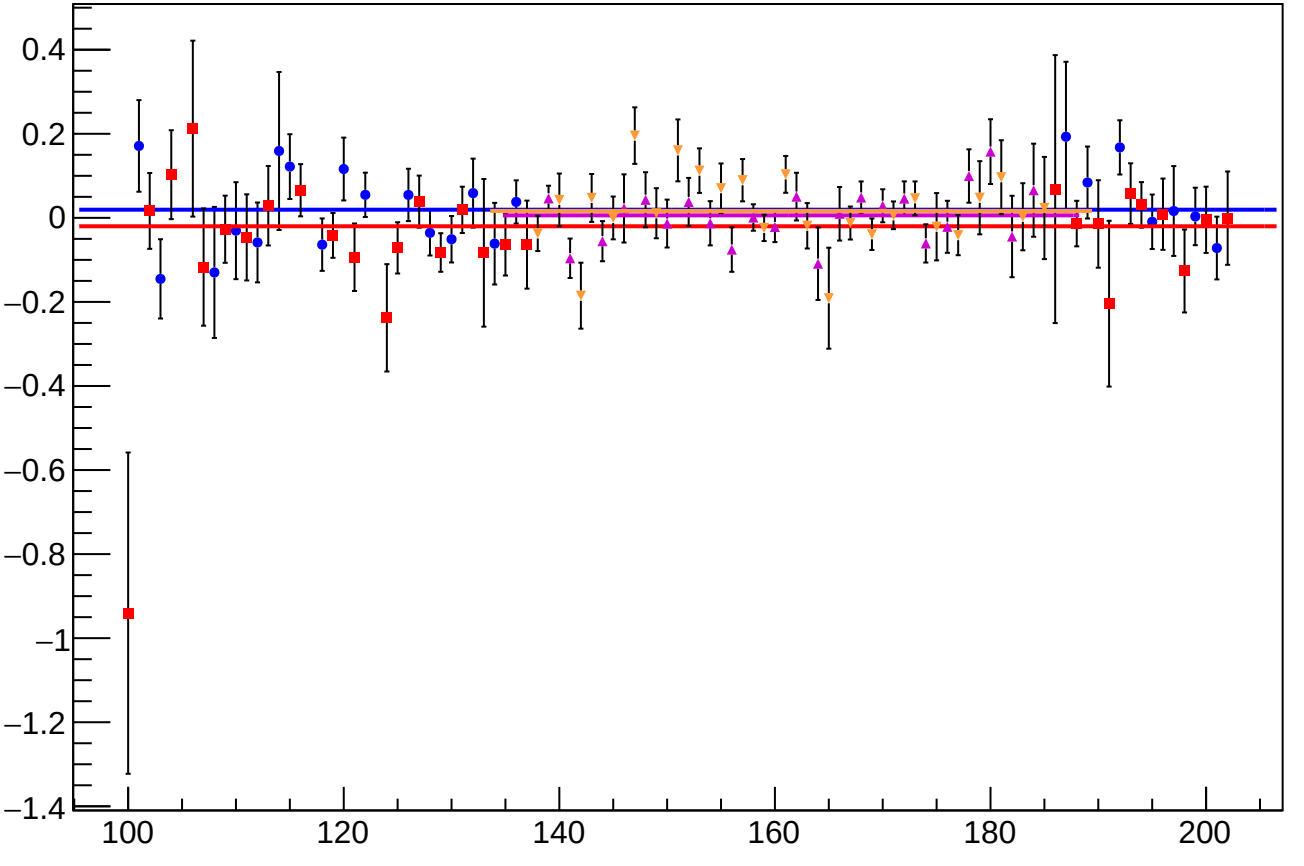
Right: 50.489+/-0.008 χ^2/NDF: 5441158.9/51

In: 43.866+/-0.006 χ^2/NDF:5279861.3/45

Out: 44.982+/-0.006 χ^2/NDF:6970852.5/53

All: 44.432+/-0.004 χ^2/NDF: 12267854.7/99

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.016 χ^2/NDF: 25.6/22

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

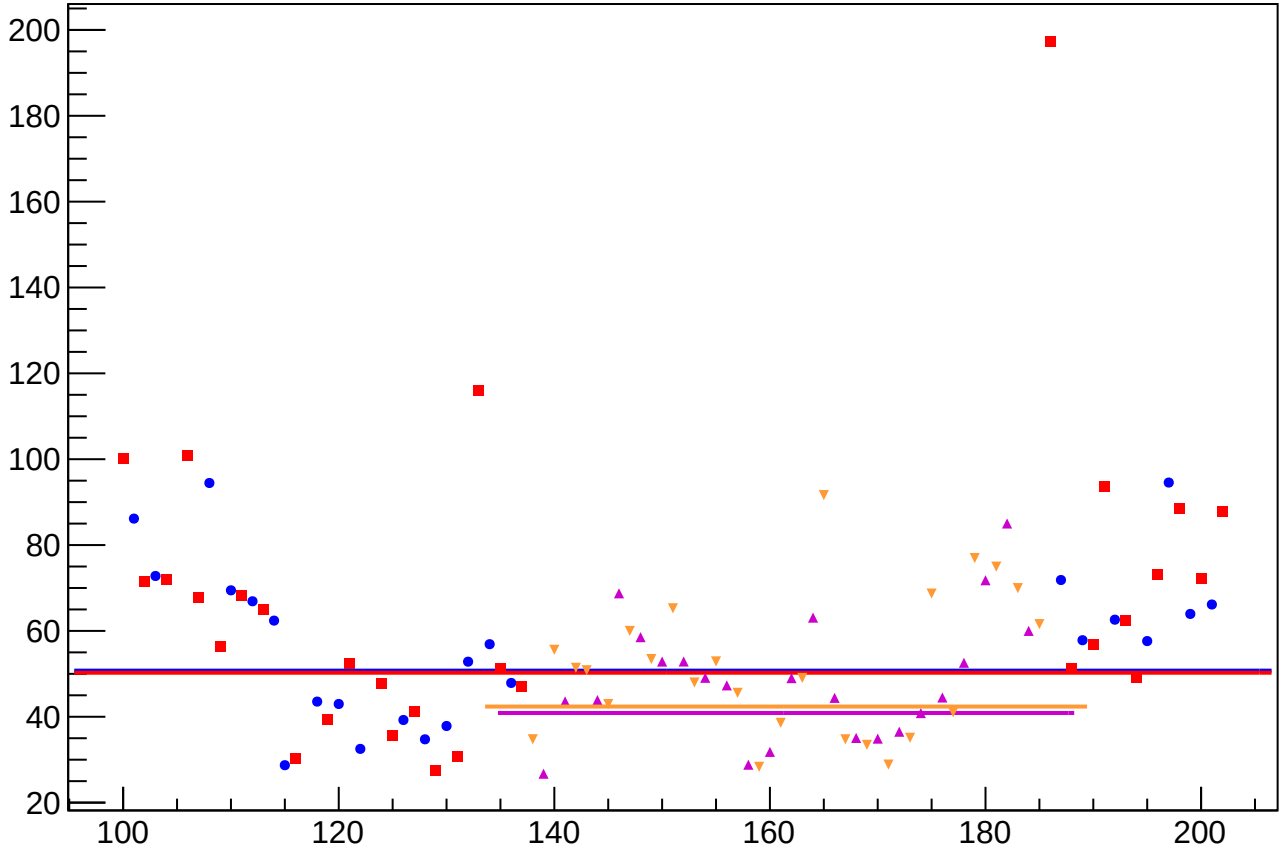
Right: -0.001+/-0.011 χ^2/NDF: 53.1/51

In: 0.010+/-0.009 χ^2/NDF:52.0/45

Out: 0.004+/-0.008 χ^2/NDF:69.3/53

All: 0.007+/-0.006 χ^2/NDF: 121.6/99

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.743+/-0.011 χ^2/NDF: 2044445.7/22

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 50.262+/-0.010 χ^2/NDF: 3395708.3/28

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

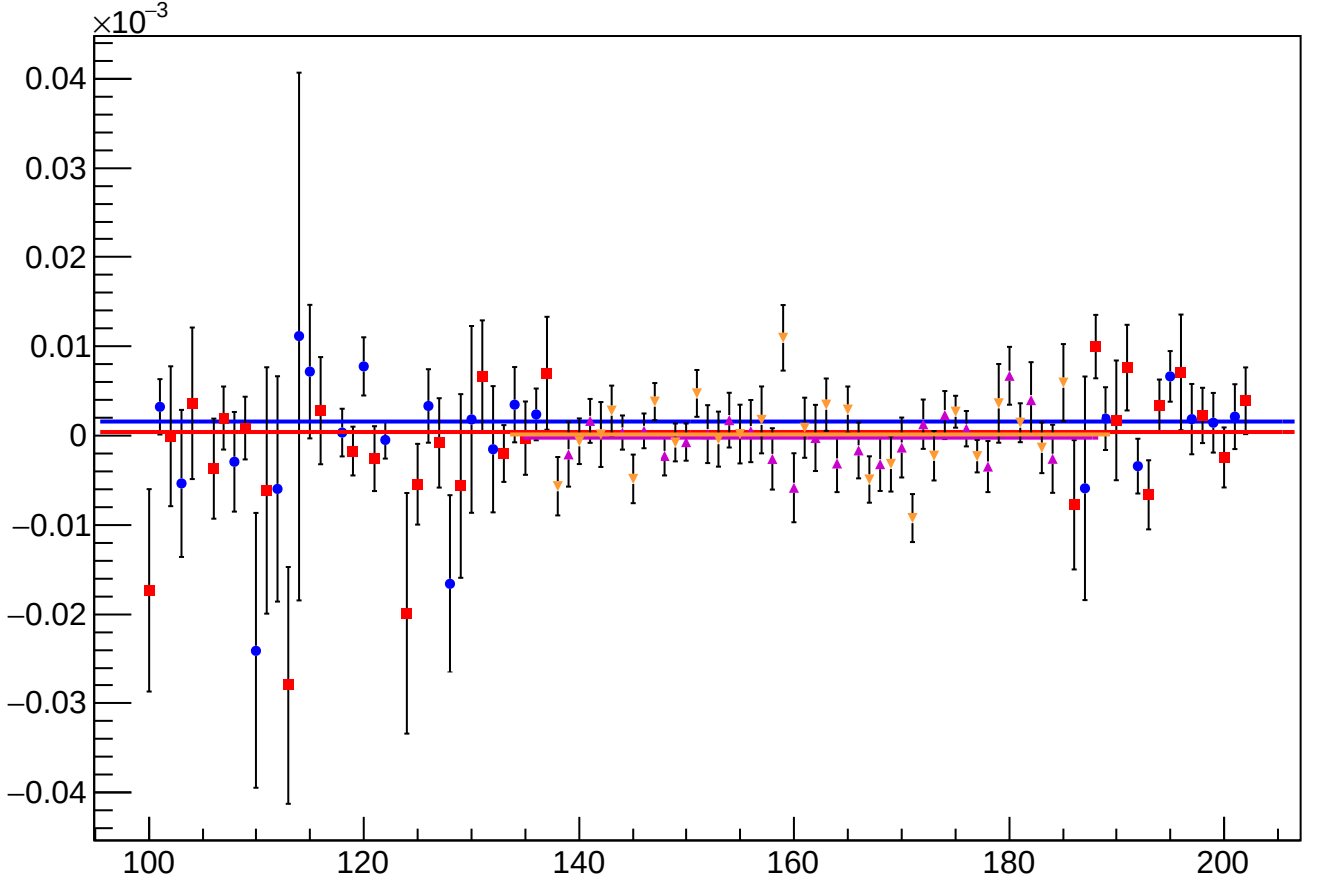
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 50.489+/-0.008 χ^2/NDF: 5441158.9/51

In: 43.866+/-0.006 χ^2/NDF:5279861.3/45

Out: 44.982+/-0.006 χ^2/NDF:6970852.5/53

All: 44.432+/-0.004 χ^2/NDF: 12267854.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

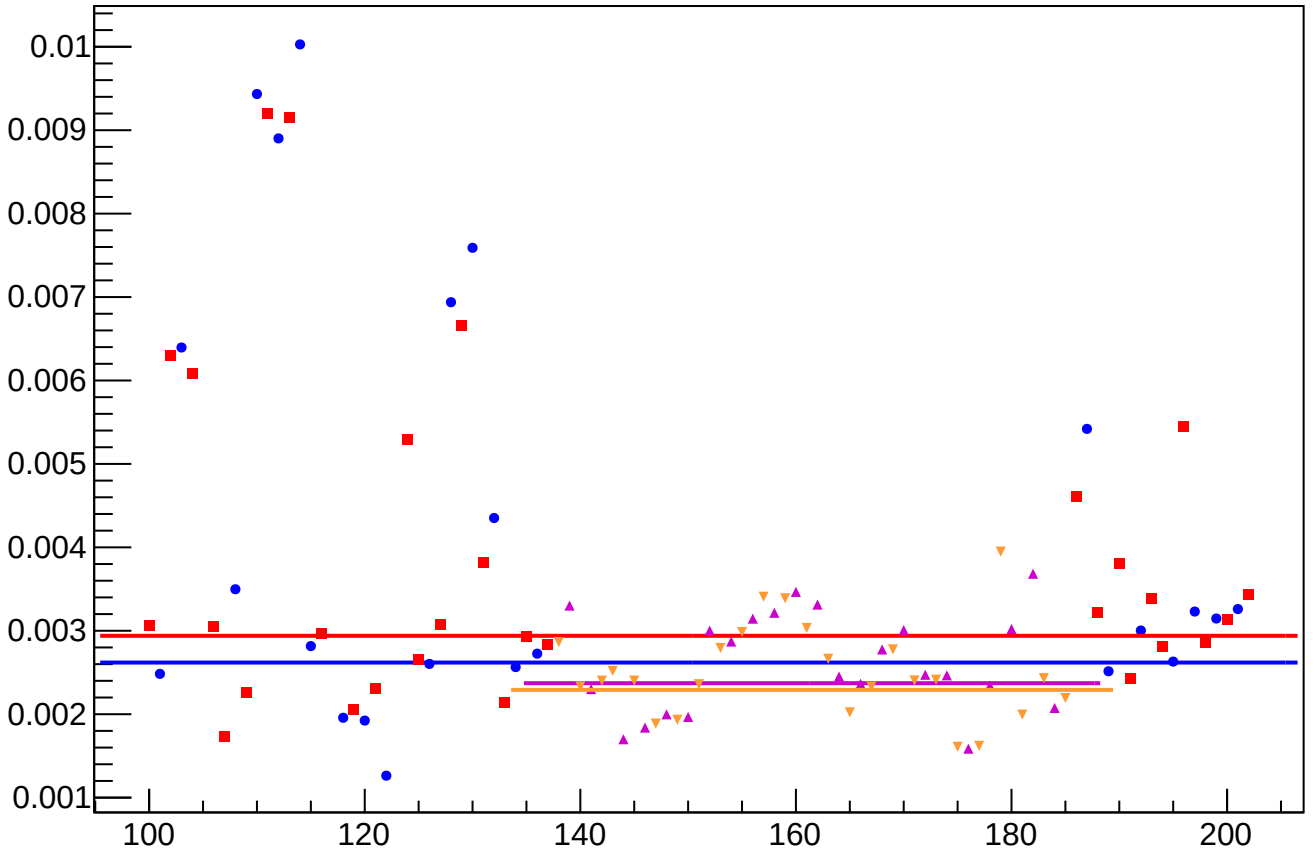
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: 0.000+/-0.000 χ^2/NDF: 56.1/51

In: 0.000+/-0.000 χ^2/NDF:39.5/45

Out: 0.000+/-0.000 χ^2/NDF:84.7/53

All: 0.000+/-0.000 χ^2/NDF: 124.3/99



Right In: 0.003+/-0.000 χ^2/NDF: 3803122.8/22

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3127954.6/28

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

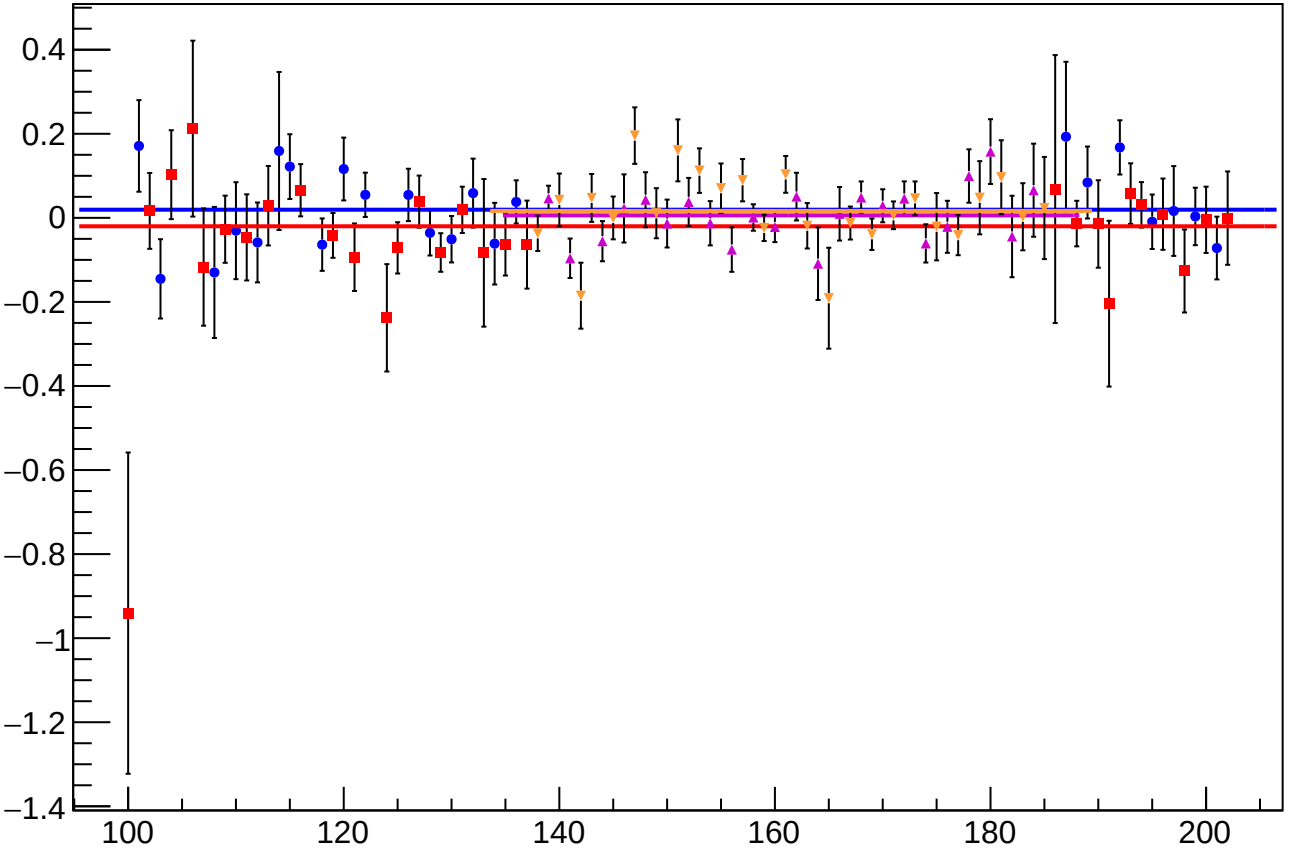
Right: 0.003+/-0.000 χ^2/NDF: 7080228.2/51

In: 0.002+/-0.000 χ^2/NDF:5944119.6/45

Out: 0.002+/-0.000 χ^2/NDF:5798441.4/53

All: 0.002+/-0.000 χ^2/NDF: 11746163.9/99

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.016 χ^2/NDF: 25.6/22

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

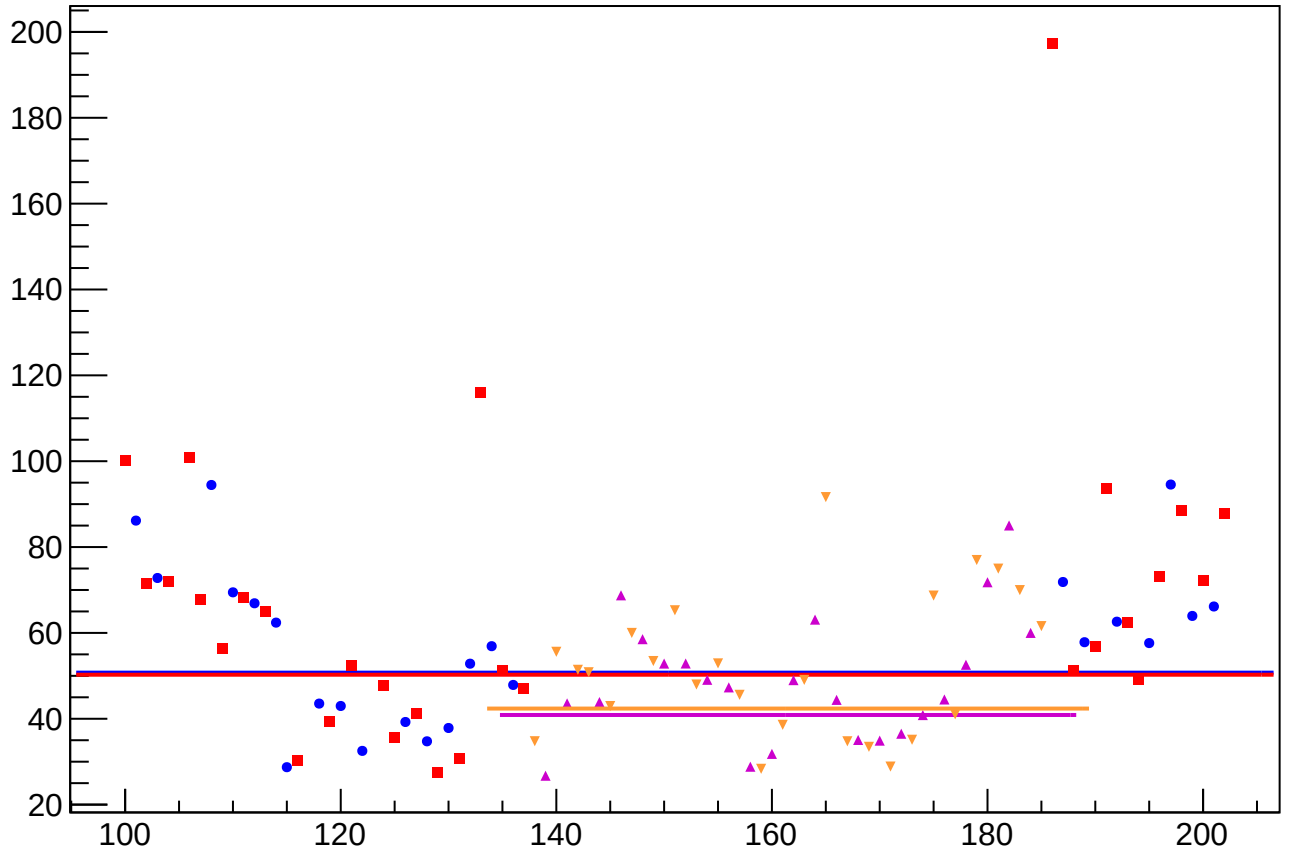
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.001+/-0.011 χ^2/NDF: 53.1/51

In: 0.010+/-0.009 χ^2/NDF:52.0/45

Out: 0.004+/-0.008 χ^2/NDF:69.3/53

All: 0.007+/-0.006 χ^2/NDF: 121.6/99



Right In: 50.743+/-0.011 χ^2/NDF: 2044397.9/22

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 50.262+/-0.010 χ^2/NDF: 3395602.6/28

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

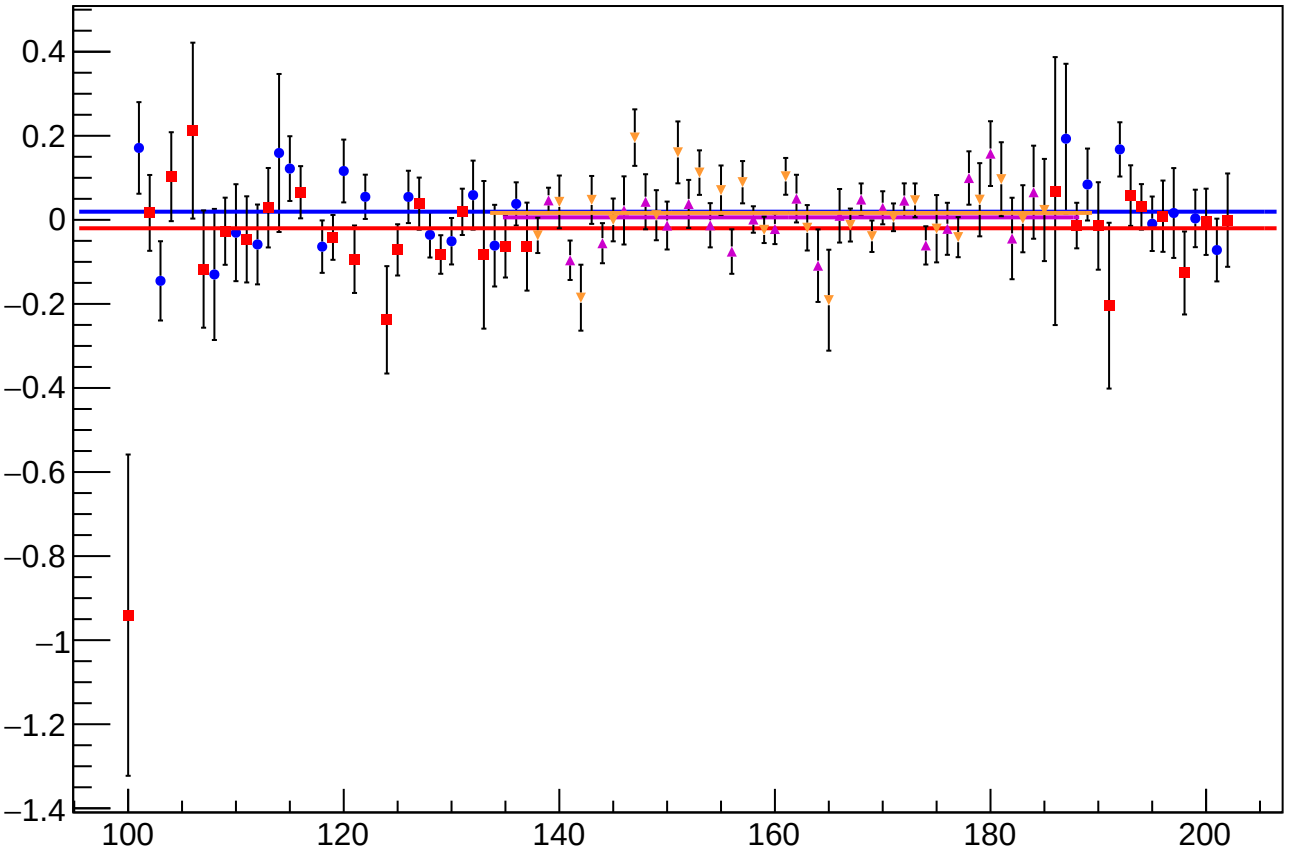
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 50.489+/-0.008 χ^2/NDF: 5441004.1/51

In: 43.867+/-0.006 χ^2/NDF:5279788.9/45

Out: 44.983+/-0.006 χ^2/NDF:6970769.7/53

All: 44.433+/-0.004 χ^2/NDF: 12267700.1/99



Right In: 0.019+/-0.016 χ^2/NDF: 25.6/22

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

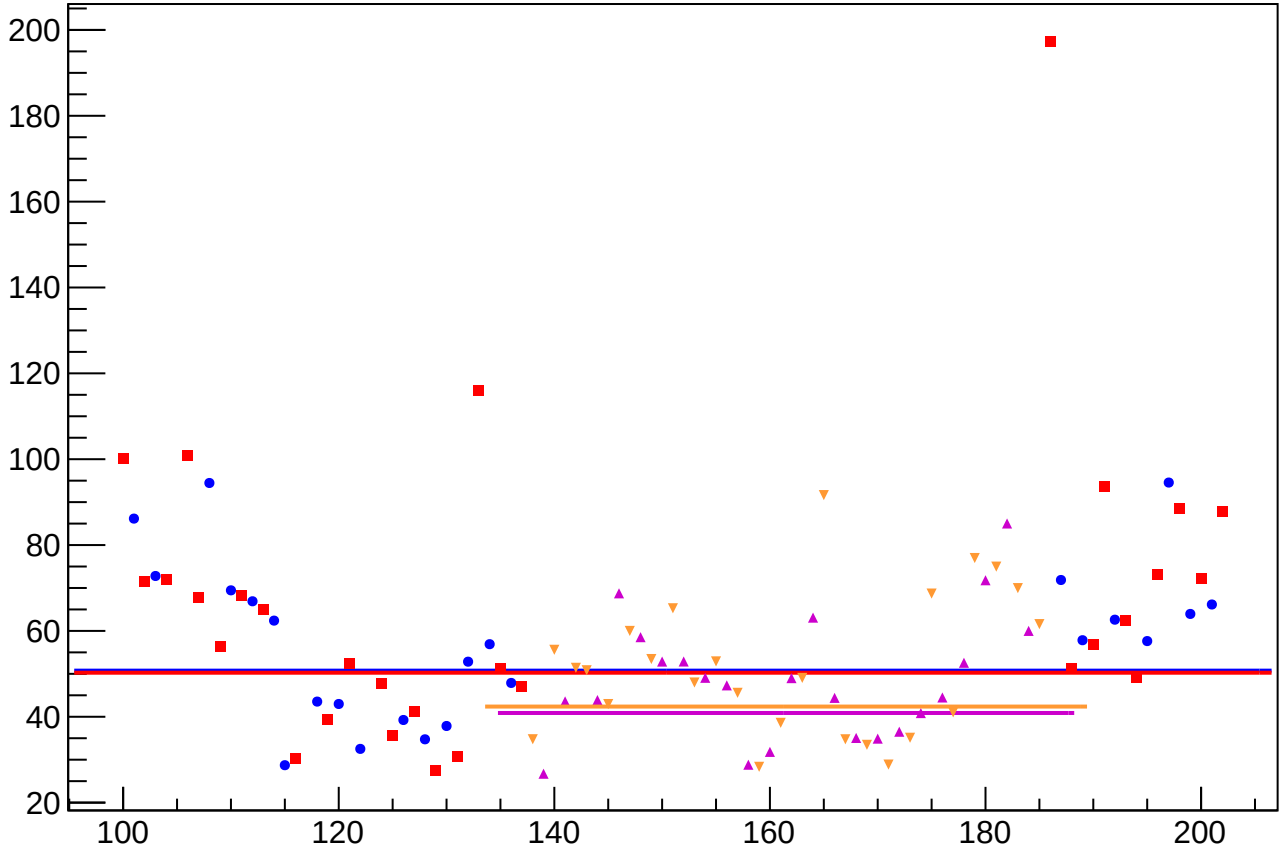
Right: -0.001+/-0.011 χ^2/NDF: 53.1/51

In: 0.010+/-0.009 χ^2/NDF:52.0/45

Out: 0.004+/-0.008 χ^2/NDF:69.3/53

All: 0.007+/-0.006 χ^2/NDF: 121.6/99

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.743+/-0.011 χ^2/NDF: 2044397.9/22

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 50.262+/-0.010 χ^2/NDF: 3395602.6/28

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

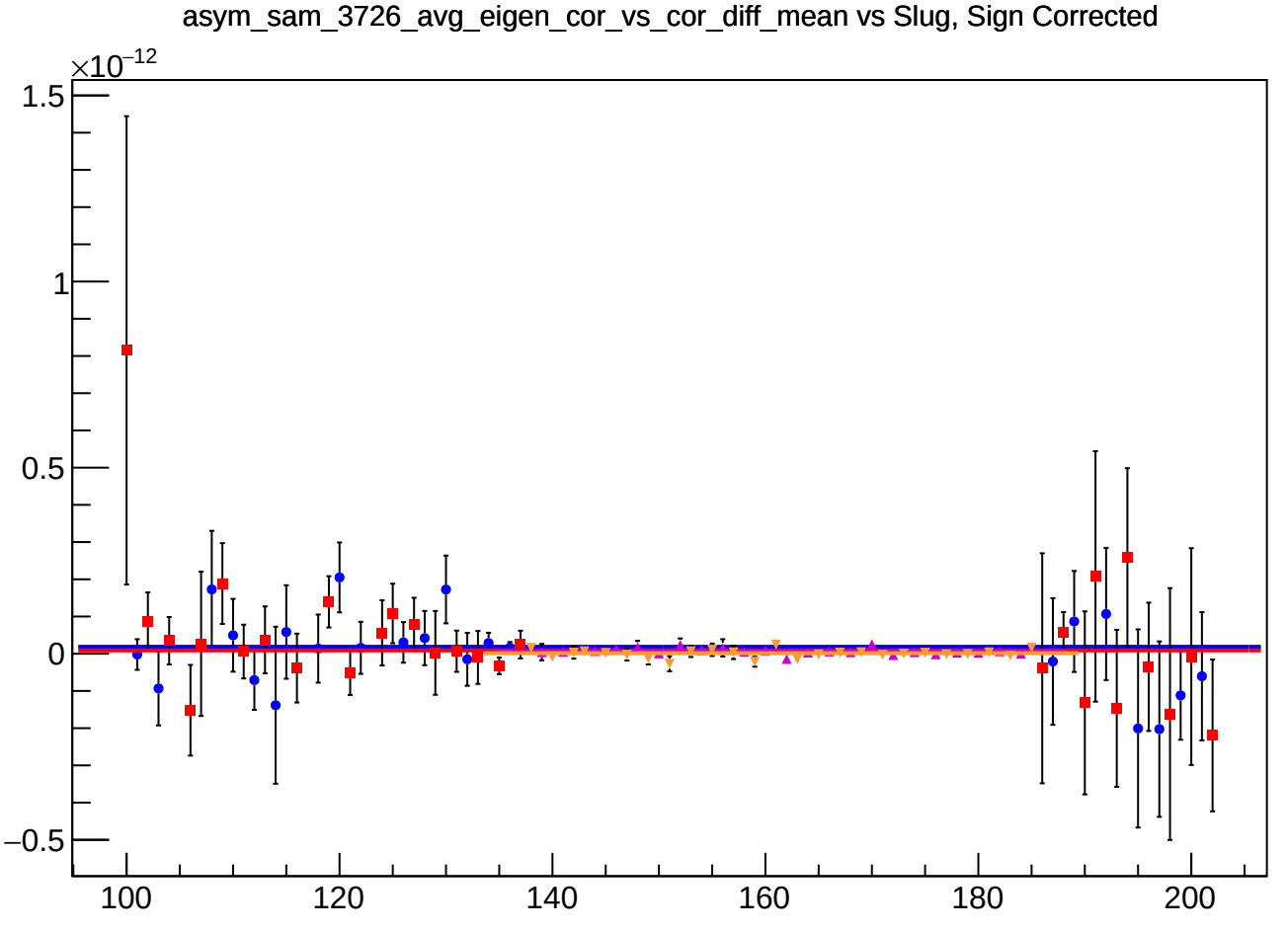
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 50.489+/-0.008 χ^2/NDF: 5441004.1/51

In: 43.867+/-0.006 χ^2/NDF:5279788.9/45

Out: 44.983+/-0.006 χ^2/NDF:6970769.7/53

All: 44.433+/-0.004 χ^2/NDF: 12267700.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/28

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

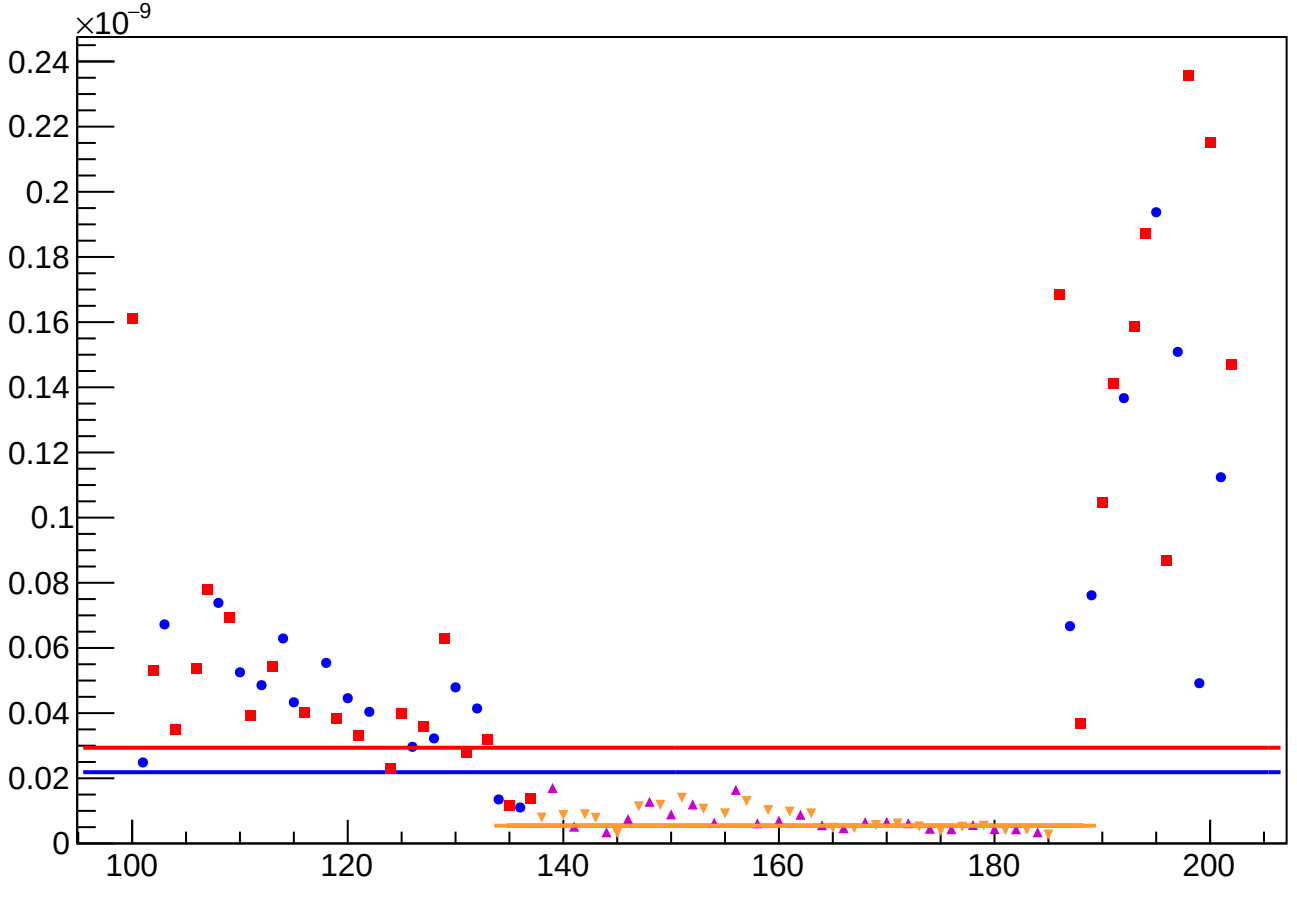
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 39.1/51

In: 0.000+/-0.000 χ^2/NDF:30.0/45

Out: 0.000+/-0.000 χ^2/NDF:43.4/53

All: 0.000+/-0.000 χ^2/NDF: 76.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 6706056.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7782544.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

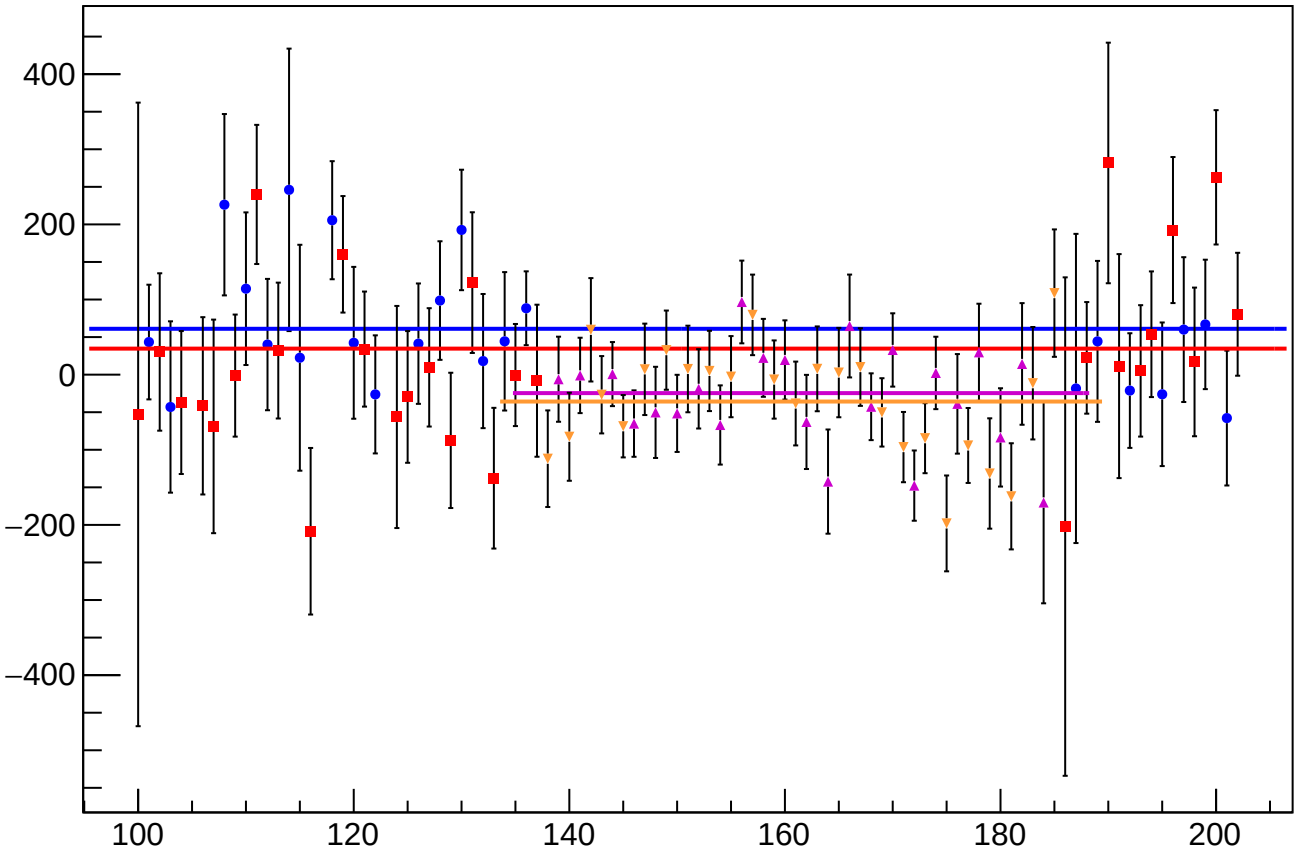
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 14873378.5/51

In: 0.000+/-0.000 χ^2/NDF:13830614.9/45

Out: 0.000+/-0.000 χ^2/NDF:18113802.6/53

All: 0.000+/-0.000 χ^2/NDF: 31945112.3/99



Right In: 61.043+/-18.484 χ^2/NDF: 16.3/22

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 34.648+/-17.760 χ^2/NDF: 34.3/28

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

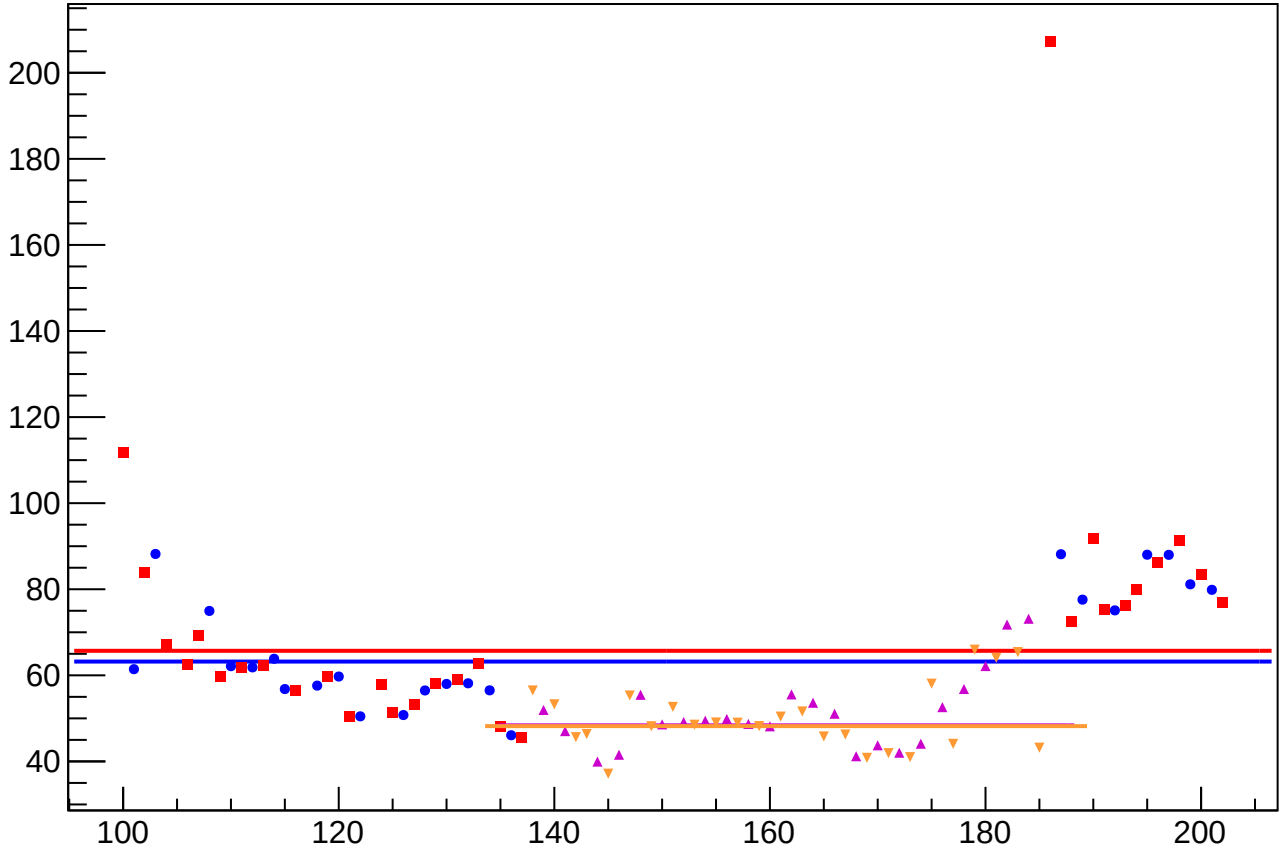
Right: 47.319+/-12.806 χ^2/NDF: 51.6/51

In: -0.766+/-9.747 χ^2/NDF:57.5/45

Out: -15.952+/-9.425 χ^2/NDF:79.3/53

All: -8.614+/-6.775 χ^2/NDF: 138.0/99

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 63.200+/-0.013 χ^2/NDF: 1053317.7/22

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.699+/-0.013 χ^2/NDF: 1425897.5/28

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

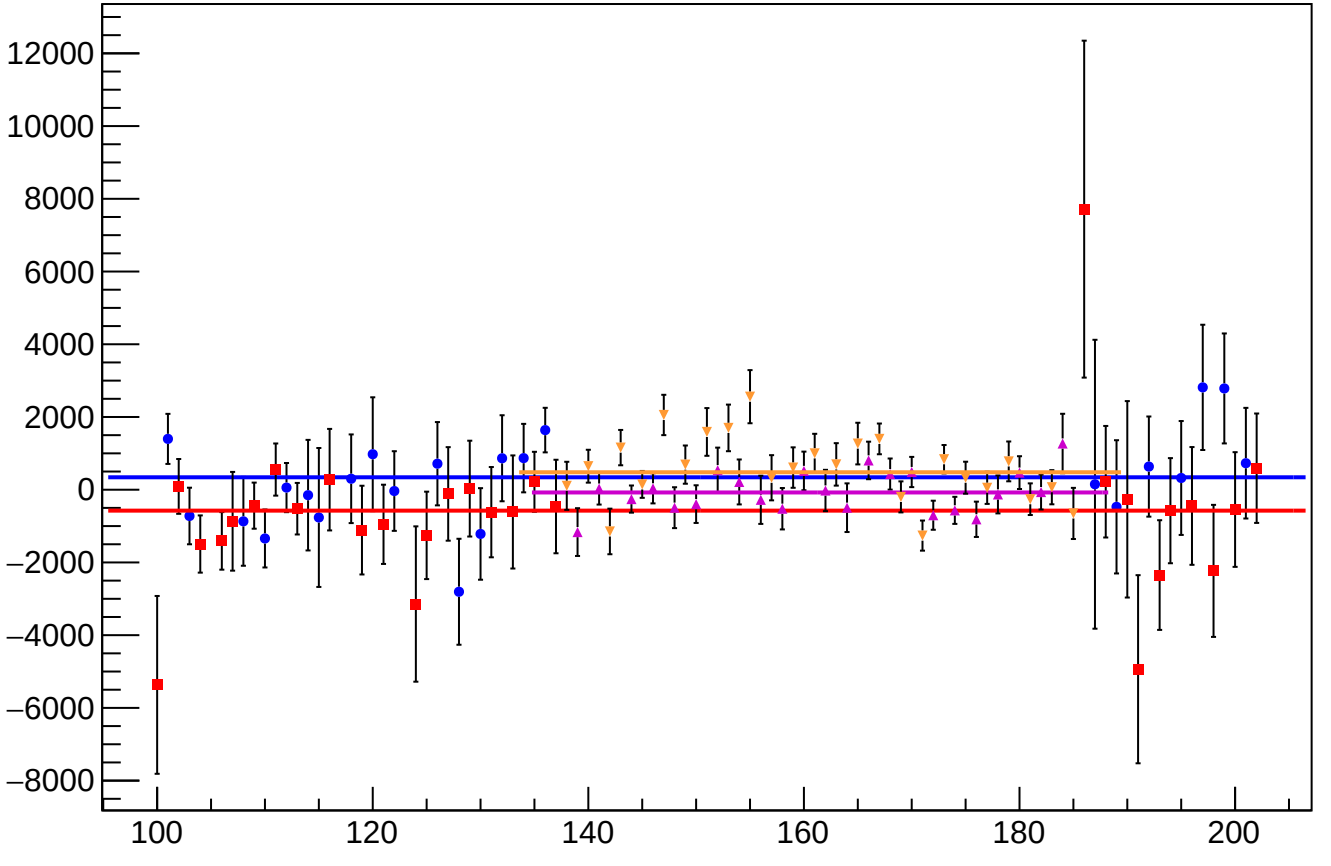
Right: 64.499+/-0.009 χ^2/NDF: 2498233.8/51

In: 52.501+/-0.007 χ^2/NDF:2676806.1/45

Out: 53.127+/-0.007 χ^2/NDF:3601329.8/53

All: 52.824+/-0.005 χ^2/NDF: 6282392.1/99

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 341.743+/-225.371 χ^2/NDF: 26.8/22

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -575.233+/-210.490 χ^2/NDF: 22.5/28

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

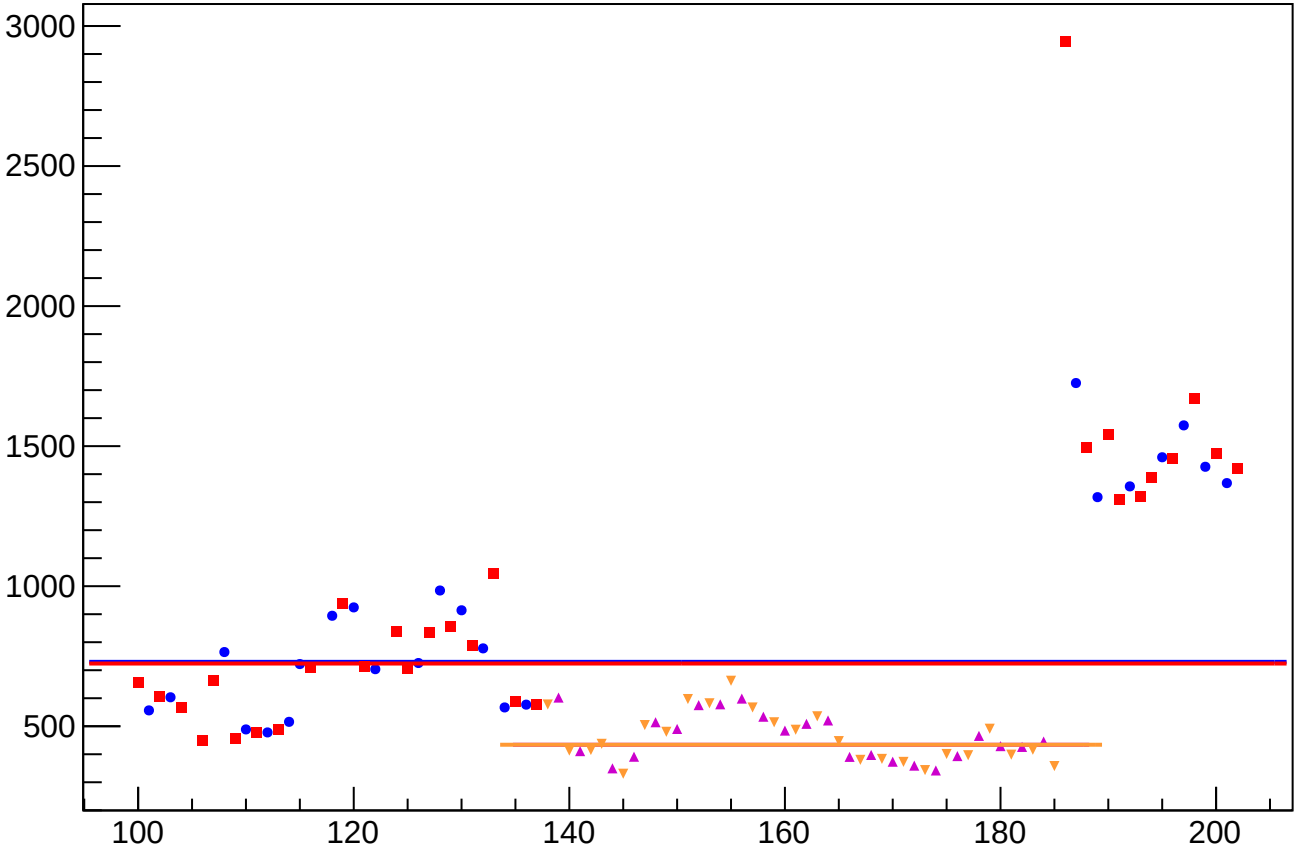
Right: -148.015+/-153.831 χ^2/NDF: 58.2/51

In: -3.393+/-93.776 χ^2/NDF:54.1/45

Out: 284.195+/-90.712 χ^2/NDF:112.2/53

All: 145.177+/-65.199 χ^2/NDF: 171.2/99

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 729.852+/-0.159 χ^2/NDF: 3479364.1/22

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 723.850+/-0.149 χ^2/NDF: 5282991.2/28

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

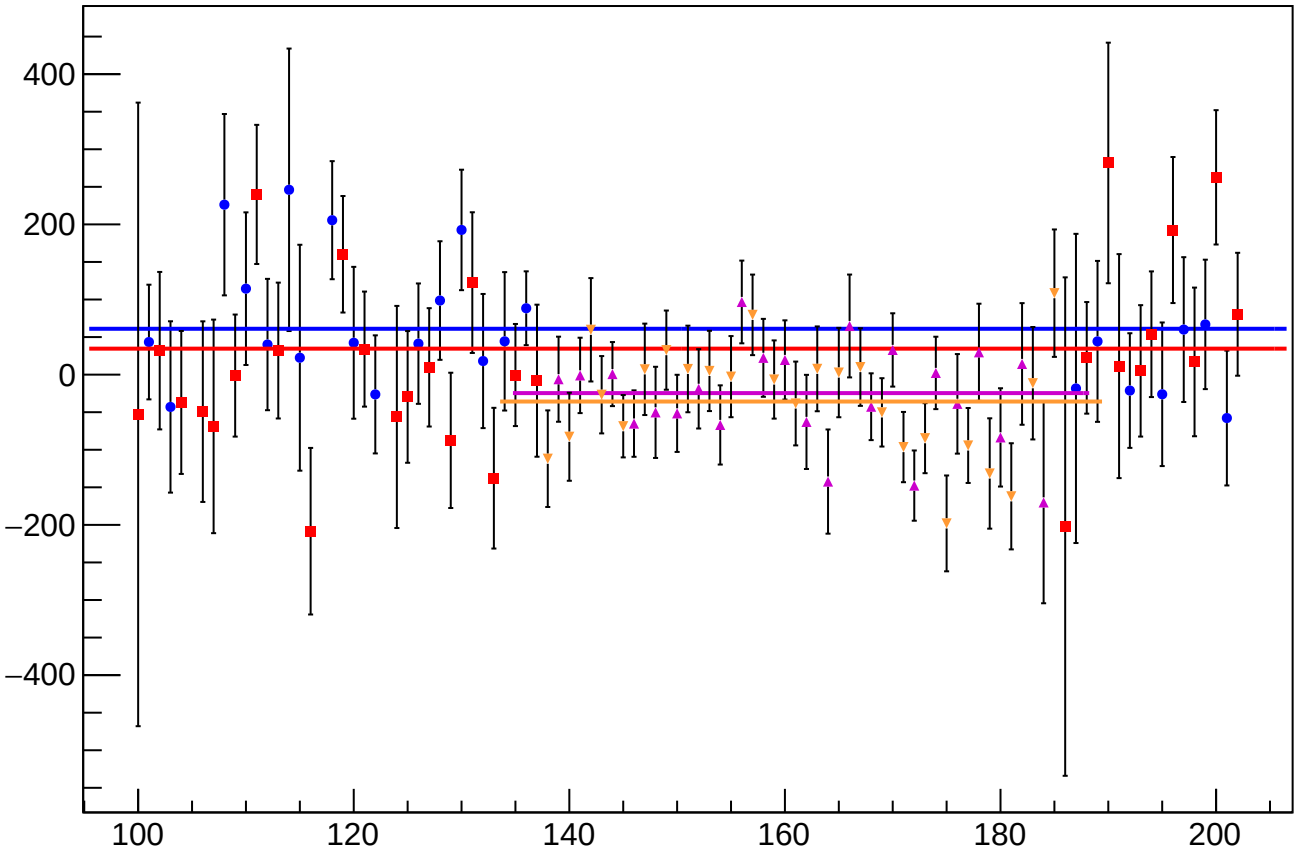
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 726.646+/-0.109 χ^2/NDF: 8763113.0/51

In: 484.993+/-0.066 χ^2/NDF:7429339.4/45

Out: 487.787+/-0.064 χ^2/NDF:9615934.1/53

All: 486.437+/-0.046 χ^2/NDF: 17046190.5/99



Right In: 61.047+/-18.484 χ^2/NDF: 16.3/22

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 34.592+/-17.768 χ^2/NDF: 34.3/28

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

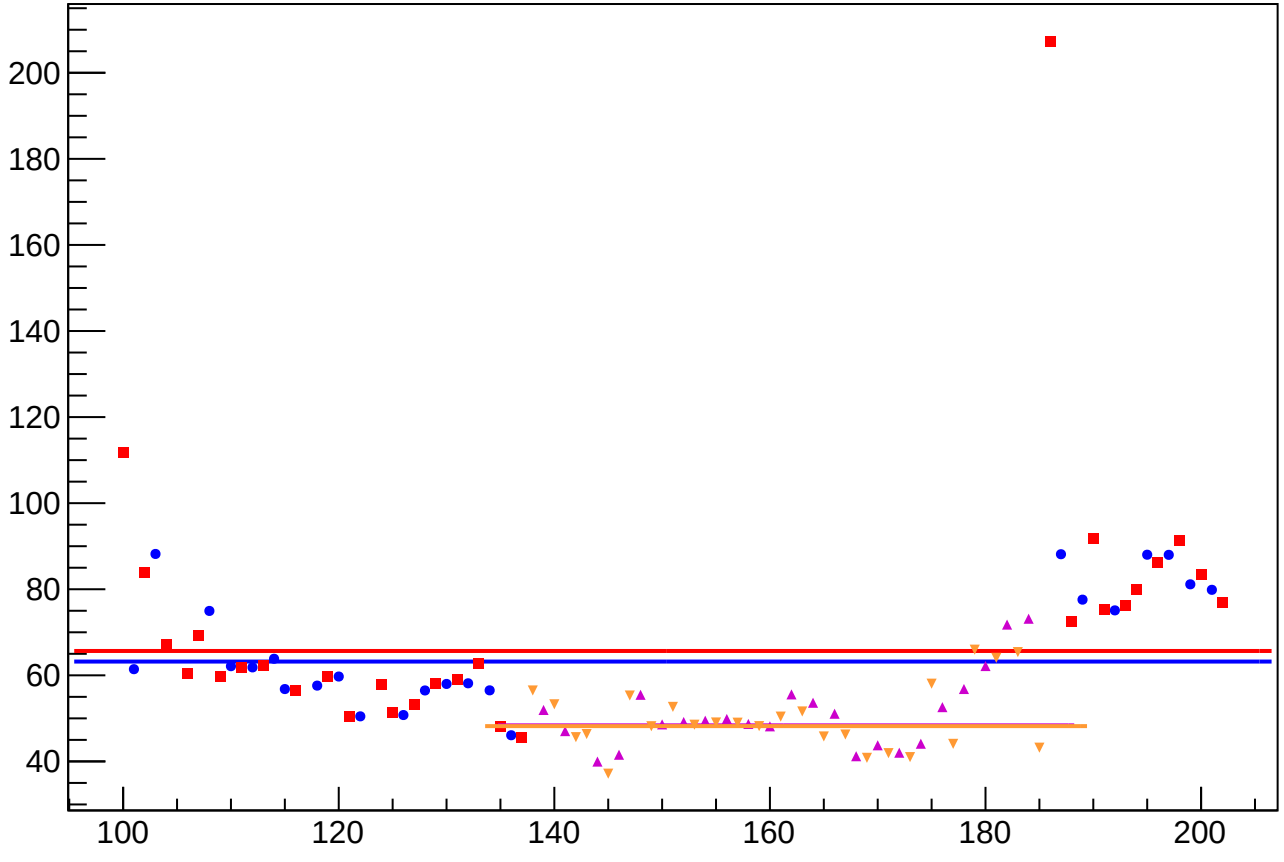
Right: 47.297+/-12.809 χ^2/NDF: 51.7/51

In: -0.765+/-9.747 χ^2/NDF:57.5/45

Out: -15.984+/-9.426 χ^2/NDF:79.3/53

All: -8.629+/-6.776 χ^2/NDF: 138.1/99

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 63.200+/-0.013 χ^2/NDF: 1053321.0/22

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.658+/-0.013 χ^2/NDF: 1428426.8/28

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

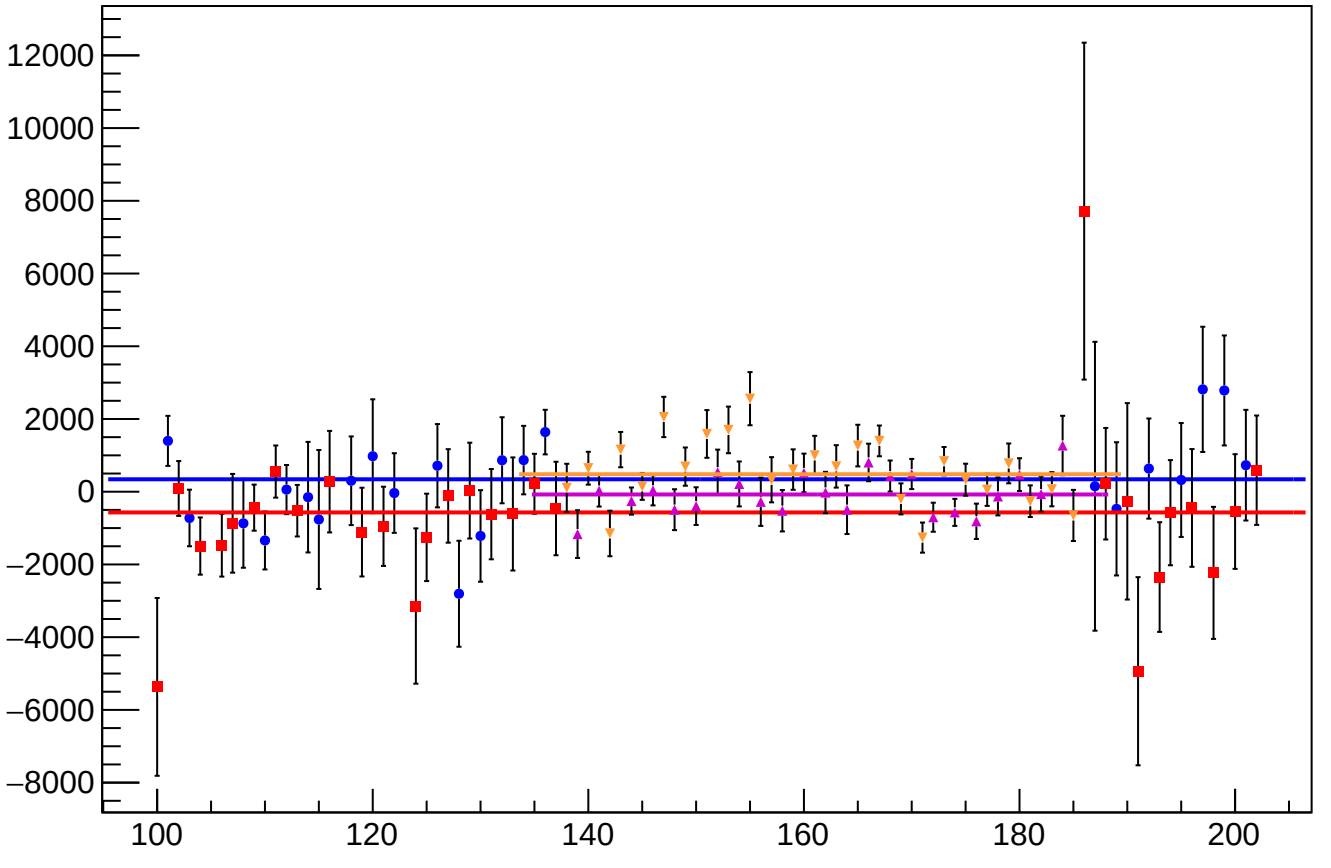
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 64.477+/-0.009 χ^2/NDF: 2500135.1/51

In: 52.501+/-0.007 χ^2/NDF:2676810.1/45

Out: 53.112+/-0.007 χ^2/NDF:3596430.8/53

All: 52.817+/-0.005 χ^2/NDF: 6277299.8/99



Right In: 341.777+/-225.372 χ^2/NDF: 26.8/22

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -569.884+/-211.689 χ^2/NDF: 22.5/28

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

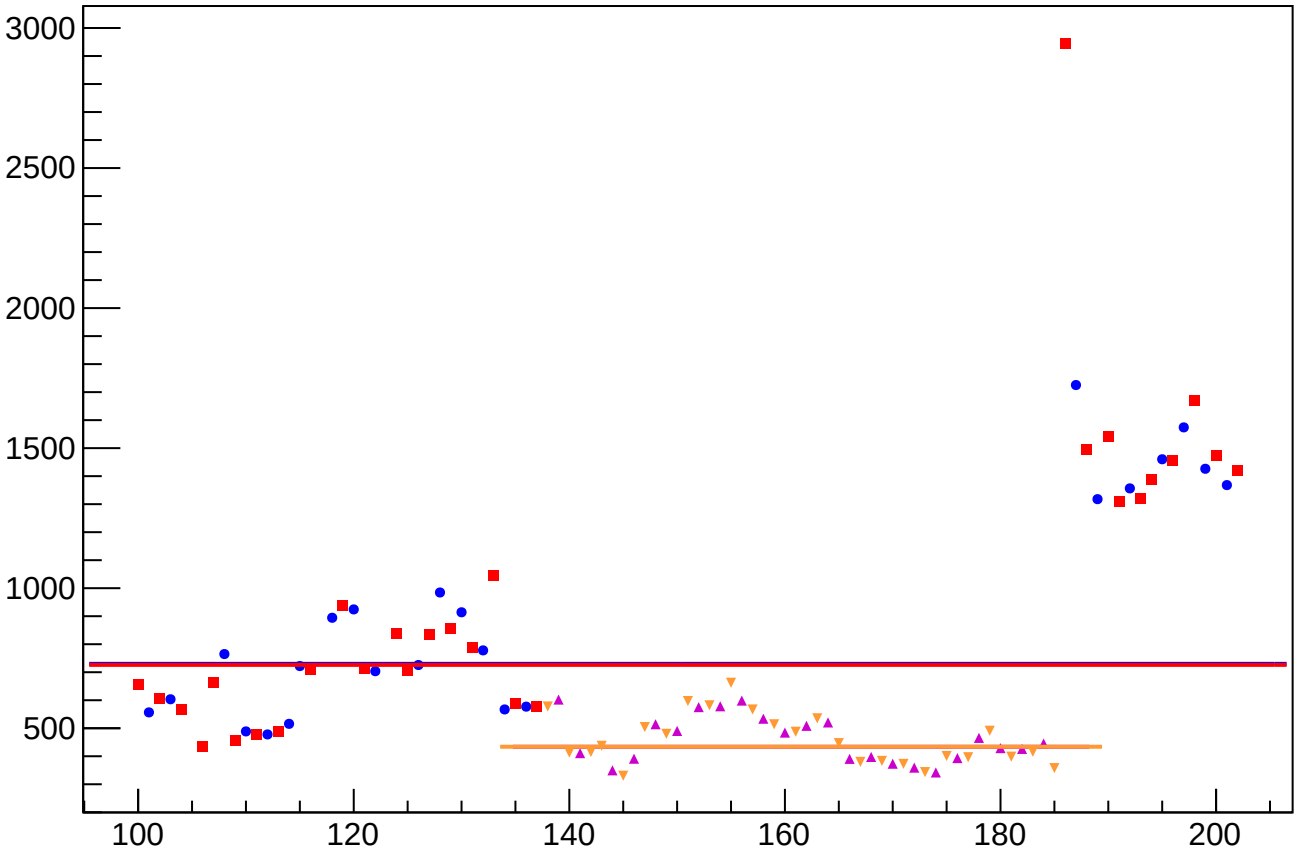
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -142.566+/-154.297 χ^2/NDF: 58.1/51

In: -3.391+/-93.777 χ^2/NDF:54.1/45

Out: 286.983+/-90.807 χ^2/NDF:111.8/53

All: 146.467+/-65.235 χ^2/NDF: 170.9/99



Right In: 729.858+/-0.159 χ^2/NDF: 3479318.4/22

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 726.224+/-0.150 χ^2/NDF: 5263843.4/28

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

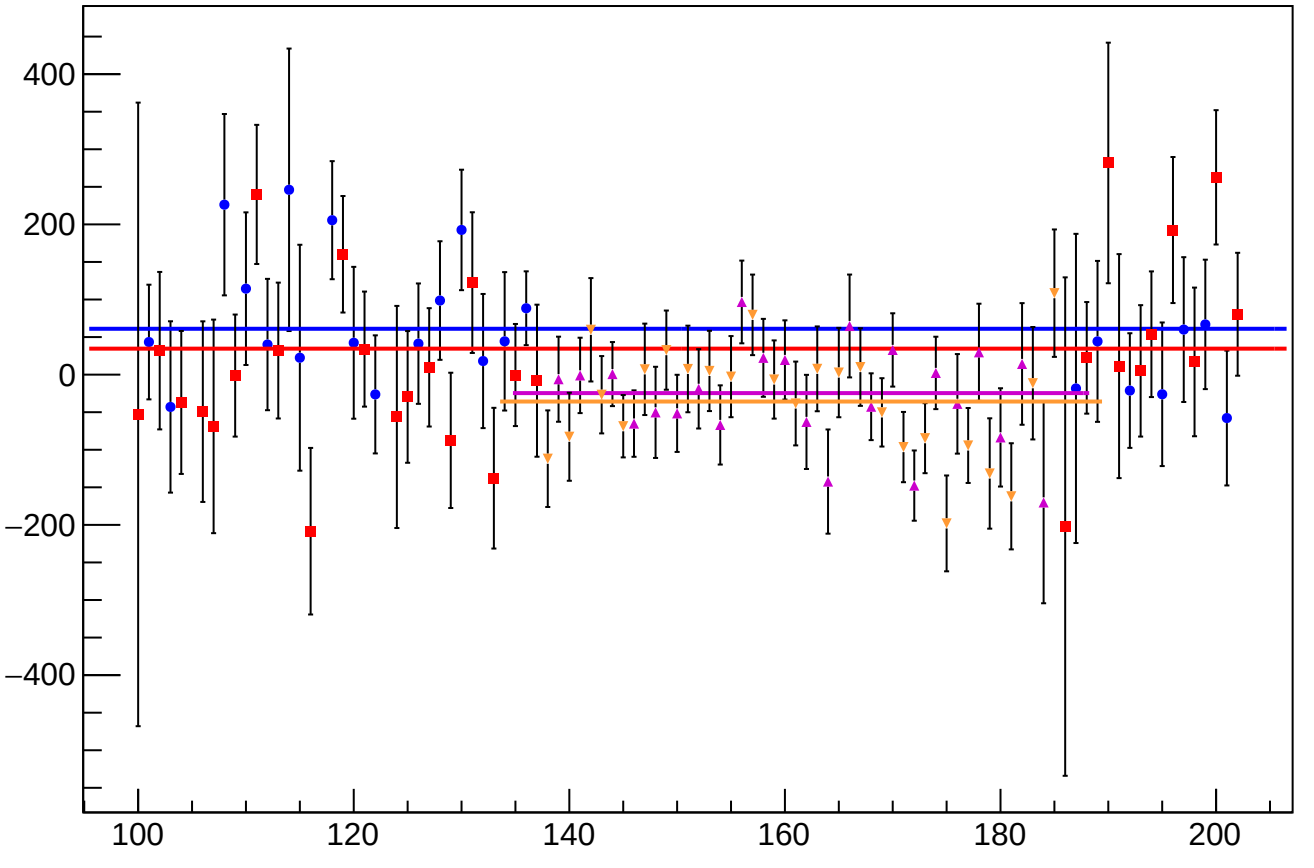
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 727.927+/-0.109 χ^2/NDF: 8743437.9/51

In: 484.994+/-0.066 χ^2/NDF:7429365.1/45

Out: 487.727+/-0.064 χ^2/NDF:9618638.1/53

All: 486.405+/-0.046 χ^2/NDF: 17048880.2/99



Right In: 61.047+/-18.484 χ^2/NDF: 16.3/22

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 34.592+/-17.768 χ^2/NDF: 34.3/28

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

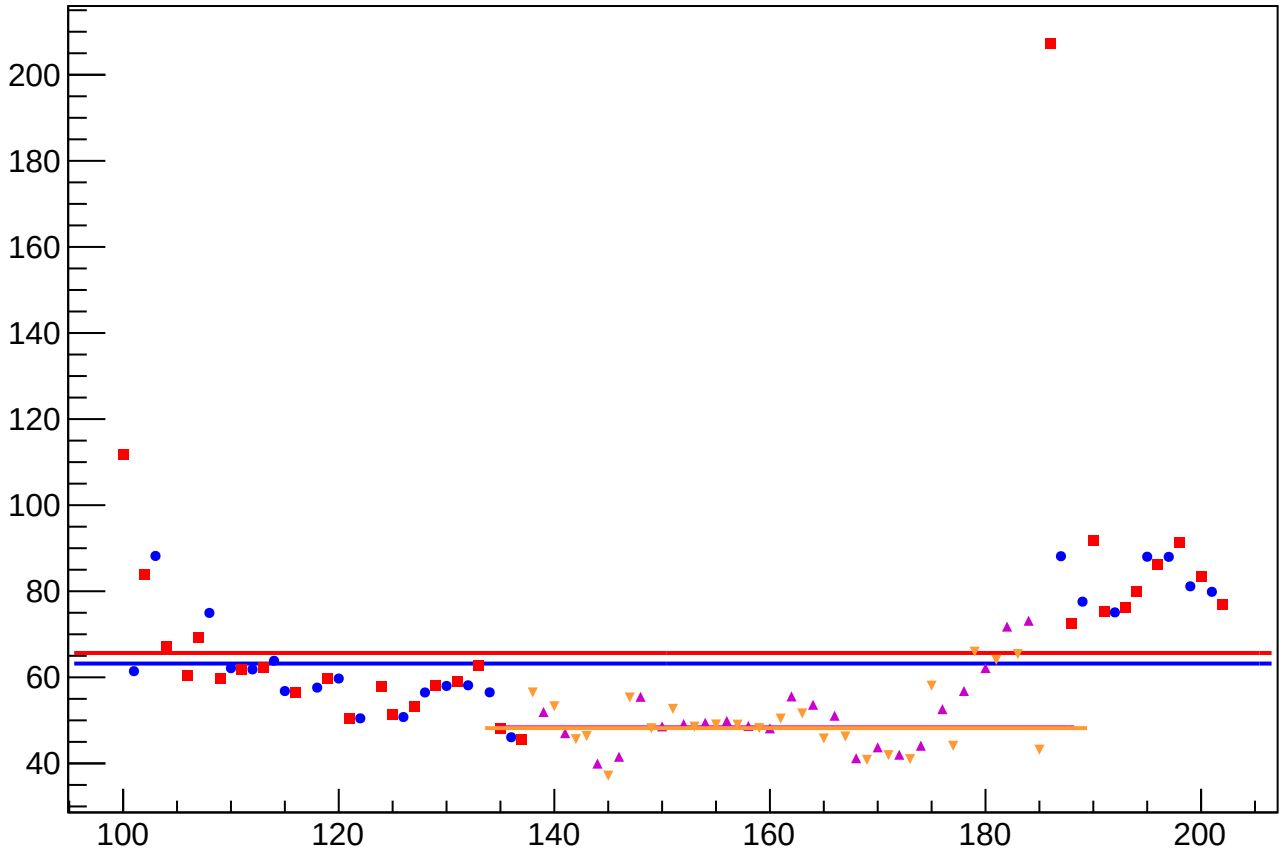
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 47.297+/-12.809 χ^2/NDF: 51.7/51

In: -0.765+/-9.747 χ^2/NDF:57.5/45

Out: -15.984+/-9.426 χ^2/NDF:79.3/53

All: -8.629+/-6.776 χ^2/NDF: 138.1/99



Right In: 63.200+/-0.013 χ^2/NDF: 1053321.0/22

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.658+/-0.013 χ^2/NDF: 1428426.8/28

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

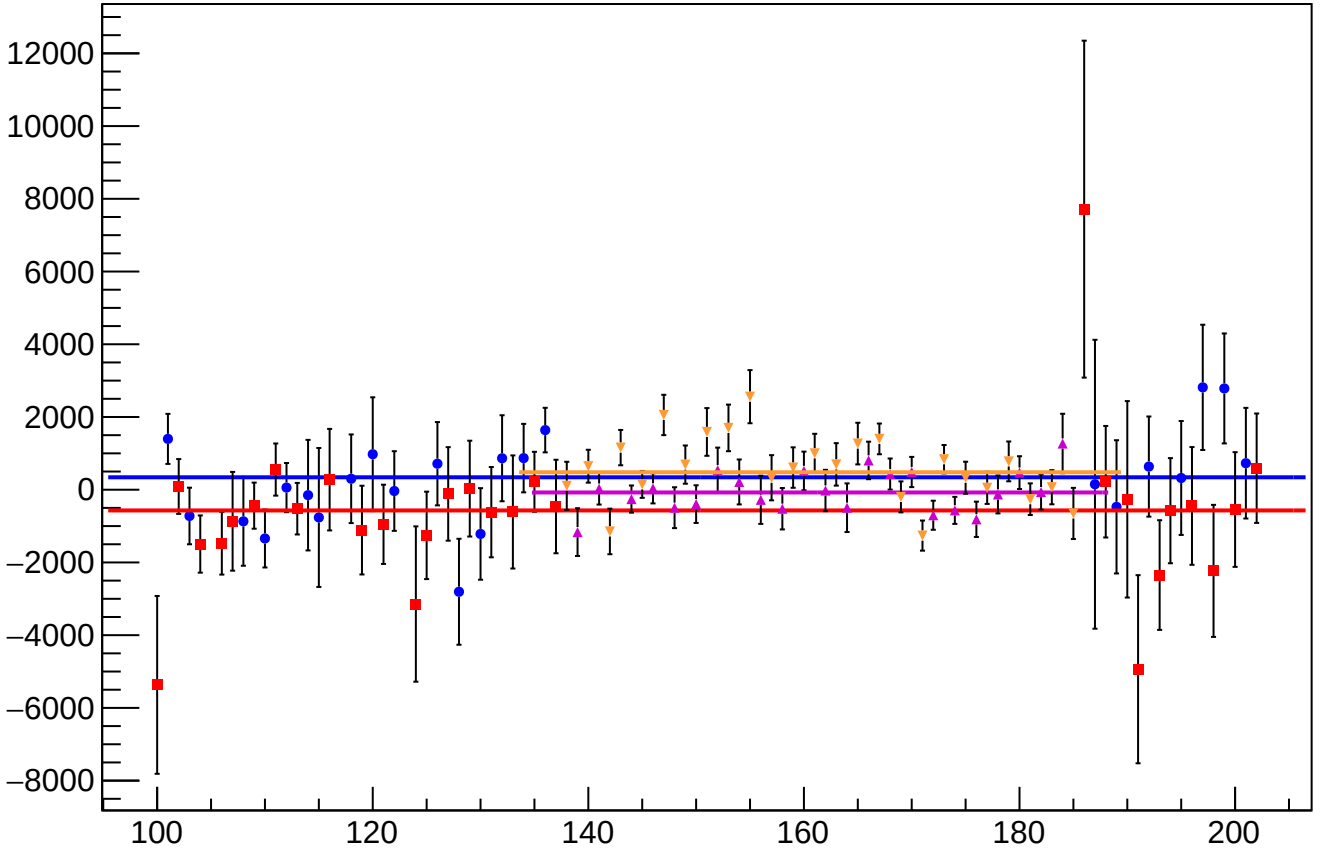
Right: 64.477+/-0.009 χ^2/NDF: 2500135.1/51

In: 52.501+/-0.007 χ^2/NDF:2676810.1/45

Out: 53.112+/-0.007 χ^2/NDF:3596430.8/53

All: 52.817+/-0.005 χ^2/NDF: 6277299.8/99

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 341.777+/-225.372 χ^2/NDF: 26.8/22

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -569.884+/-211.689 χ^2/NDF: 22.5/28

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

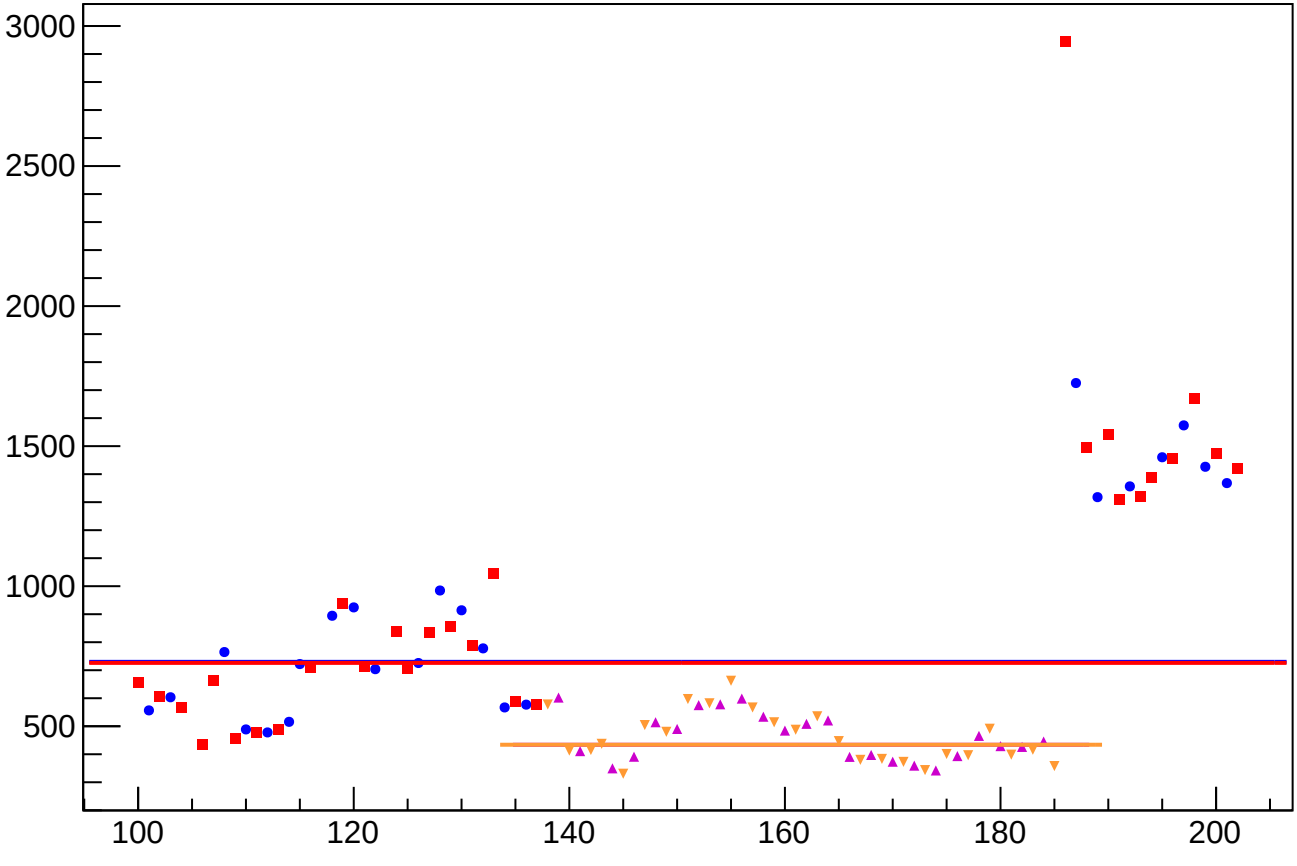
Right: -142.566+/-154.297 χ^2/NDF: 58.1/51

In: -3.391+/-93.777 χ^2/NDF:54.1/45

Out: 286.983+/-90.807 χ^2/NDF:111.8/53

All: 146.467+/-65.235 χ^2/NDF: 170.9/99

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 729.858+/-0.159 χ^2/NDF: 3479318.4/22

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 726.224+/-0.150 χ^2/NDF: 5263843.4/28

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

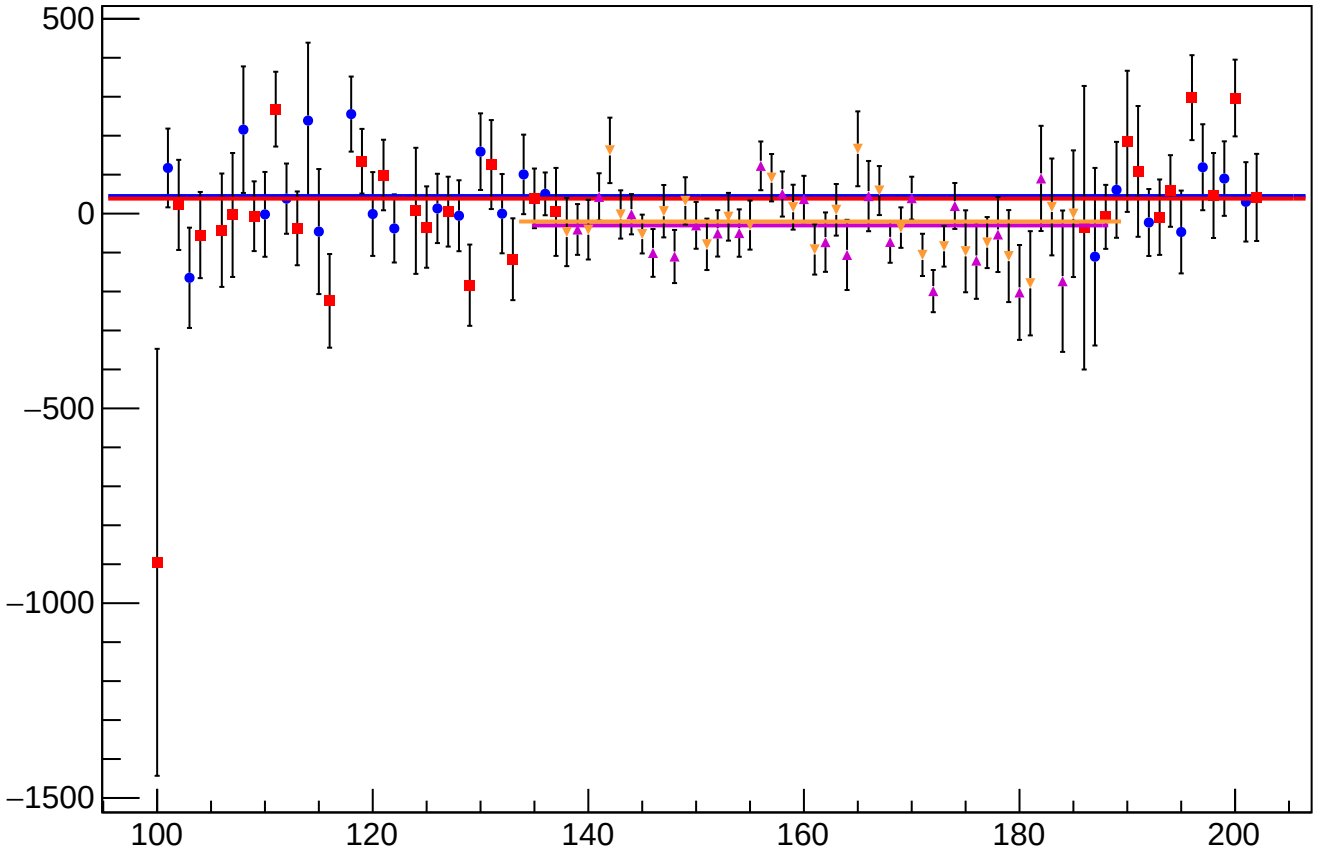
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 727.927+/-0.109 χ^2/NDF: 8743437.9/51

In: 484.994+/-0.066 χ^2/NDF:7429365.1/45

Out: 487.727+/-0.064 χ^2/NDF:9618638.1/53

All: 486.405+/-0.046 χ^2/NDF: 17048880.2/99



Right In: 45.015+/-21.017 χ^2/NDF: 16.4/22

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 38.495+/-20.047 χ^2/NDF: 39.3/28

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

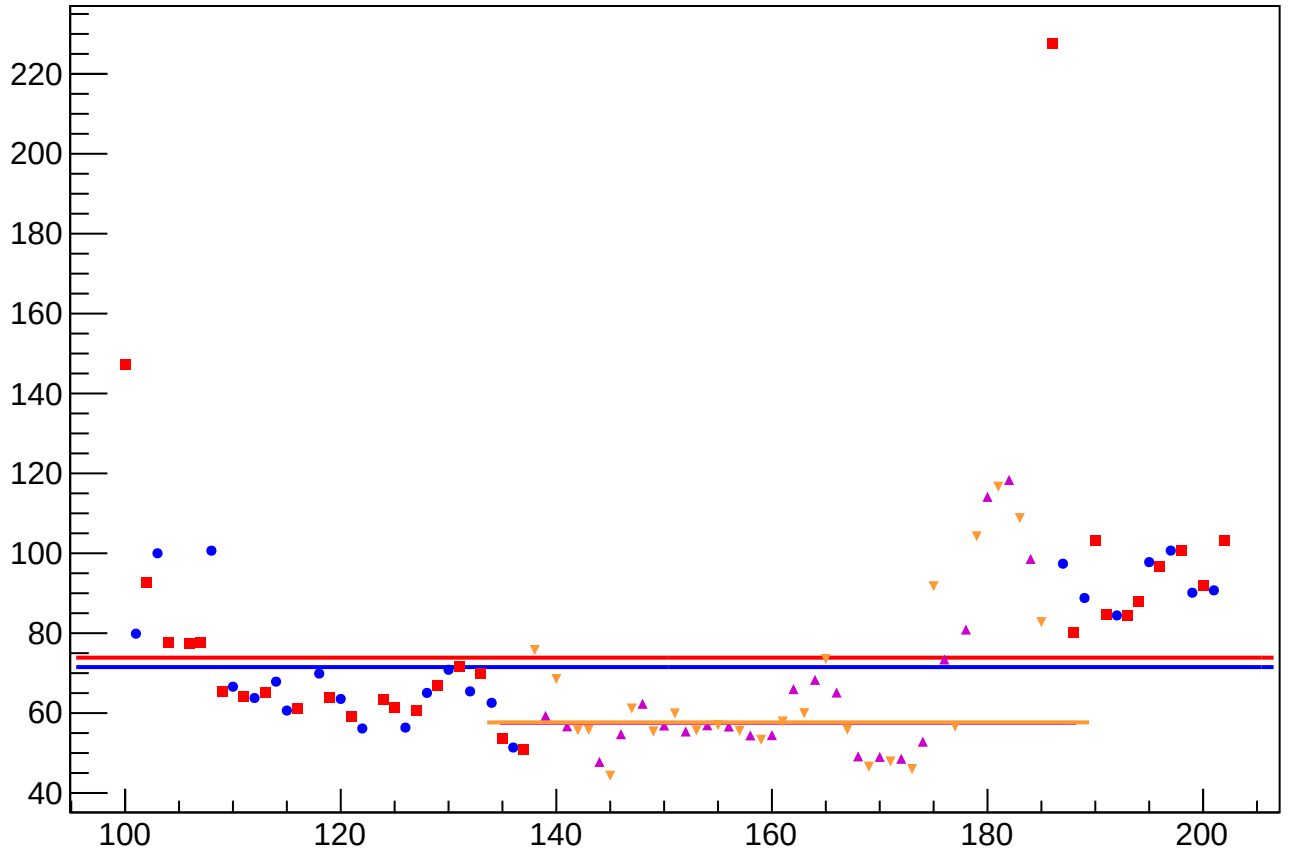
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 41.601+/-14.506 χ^2/NDF: 55.8/51

In: -7.213+/-11.639 χ^2/NDF:57.9/45

Out: -1.681+/-11.275 χ^2/NDF:70.3/53

All: -4.359+/-8.098 χ^2/NDF: 128.3/99



Right In: 71.513+/-0.015 χ^2/NDF: 1156912.1/22

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 73.875+/-0.014 χ^2/NDF: 1480841.9/28

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

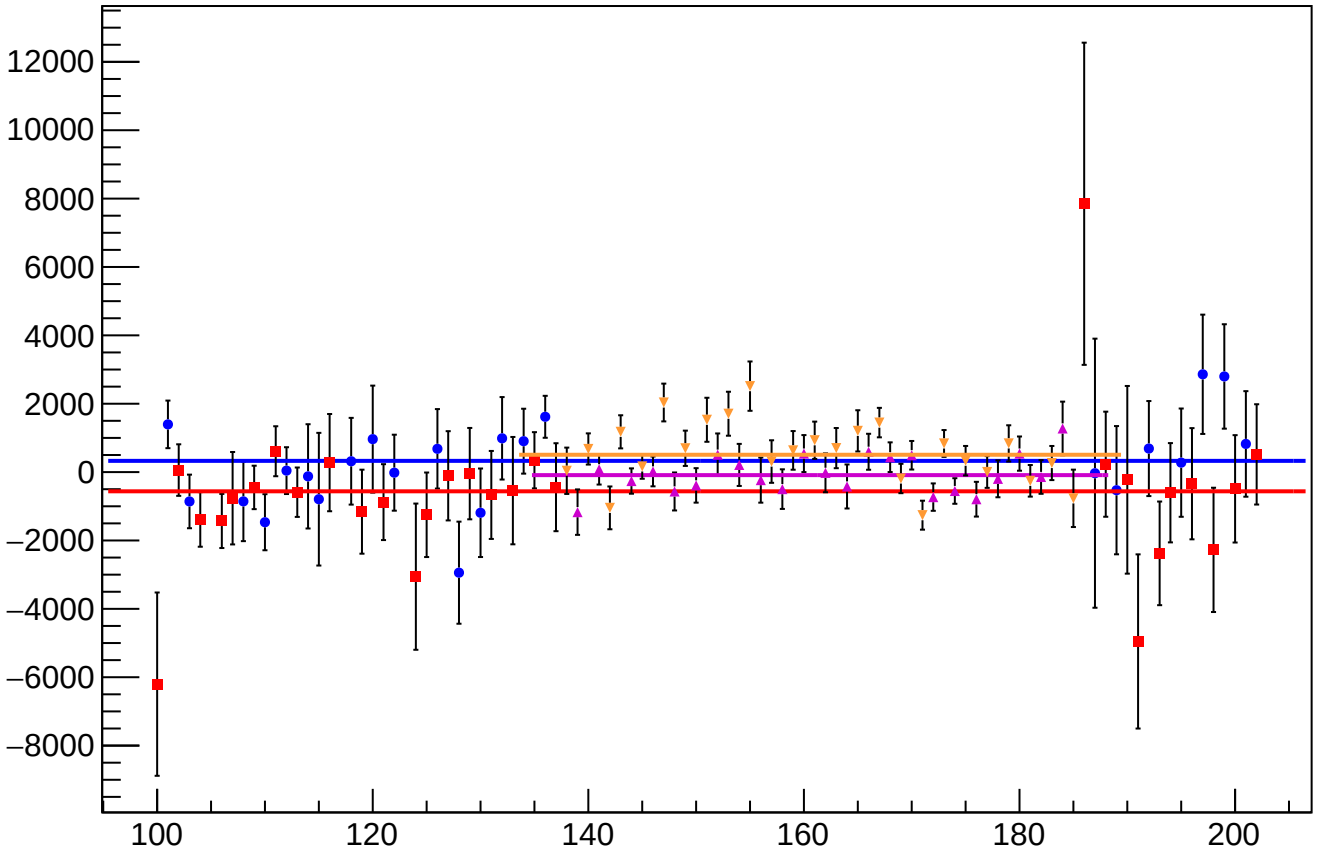
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 72.750+/-0.010 χ^2/NDF: 2650973.8/51

In: 61.825+/-0.008 χ^2/NDF:3213182.9/45

Out: 62.795+/-0.008 χ^2/NDF:4284184.7/53

All: 62.325+/-0.006 χ^2/NDF: 7504523.4/99



Right In: 328.678+/-227.825 χ^2/NDF: 27.8/22

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -561.949+/-212.371 χ^2/NDF: 23.2/28

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

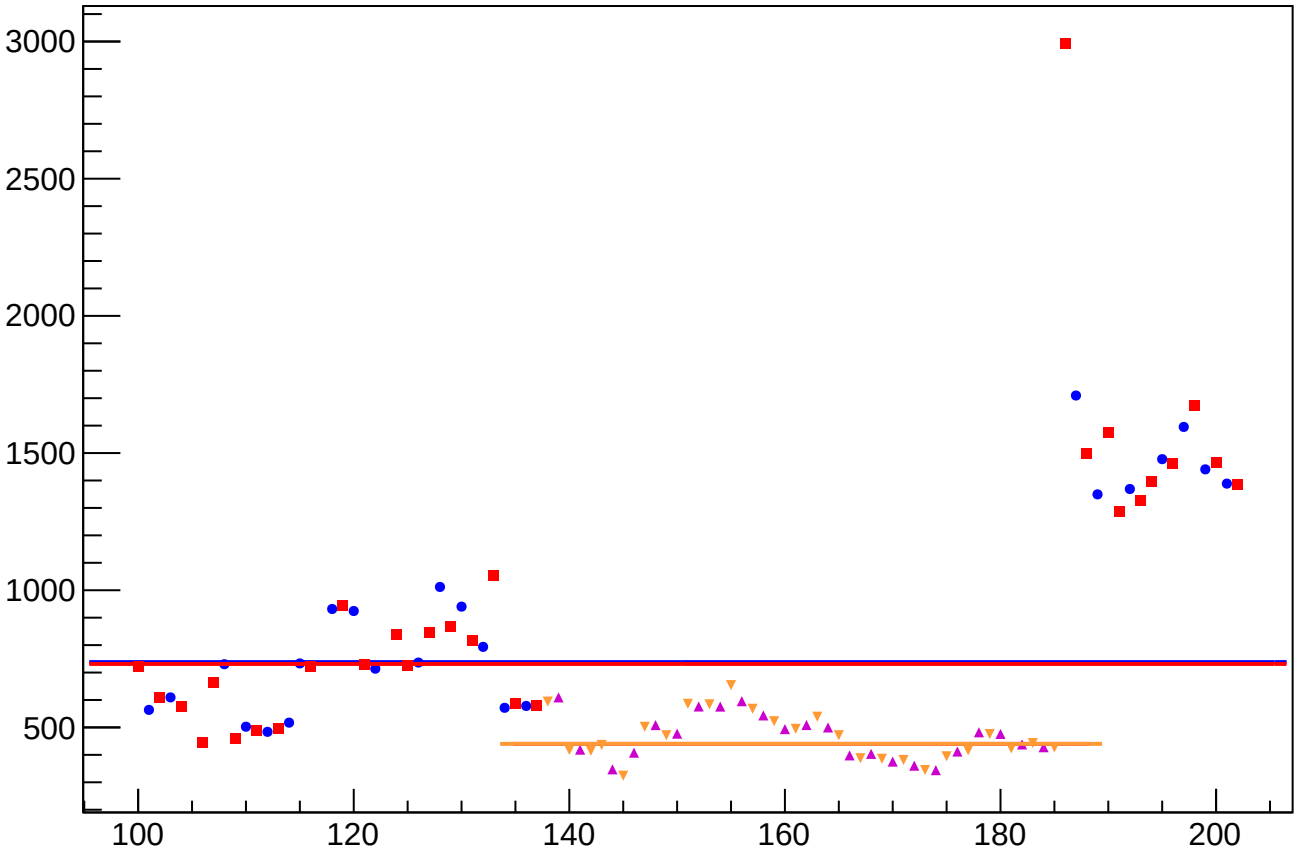
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -147.863+/-155.345 χ^2/NDF: 59.1/51

In: -15.914+/-95.016 χ^2/NDF:53.8/45

Out: 307.488+/-91.781 χ^2/NDF:109.6/53

All: 151.386+/-66.013 χ^2/NDF: 169.4/99



Right In: 738.011+/-0.161 χ^2/NDF: 3498622.5/22

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 731.419+/-0.150 χ^2/NDF: 5230296.5/28

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

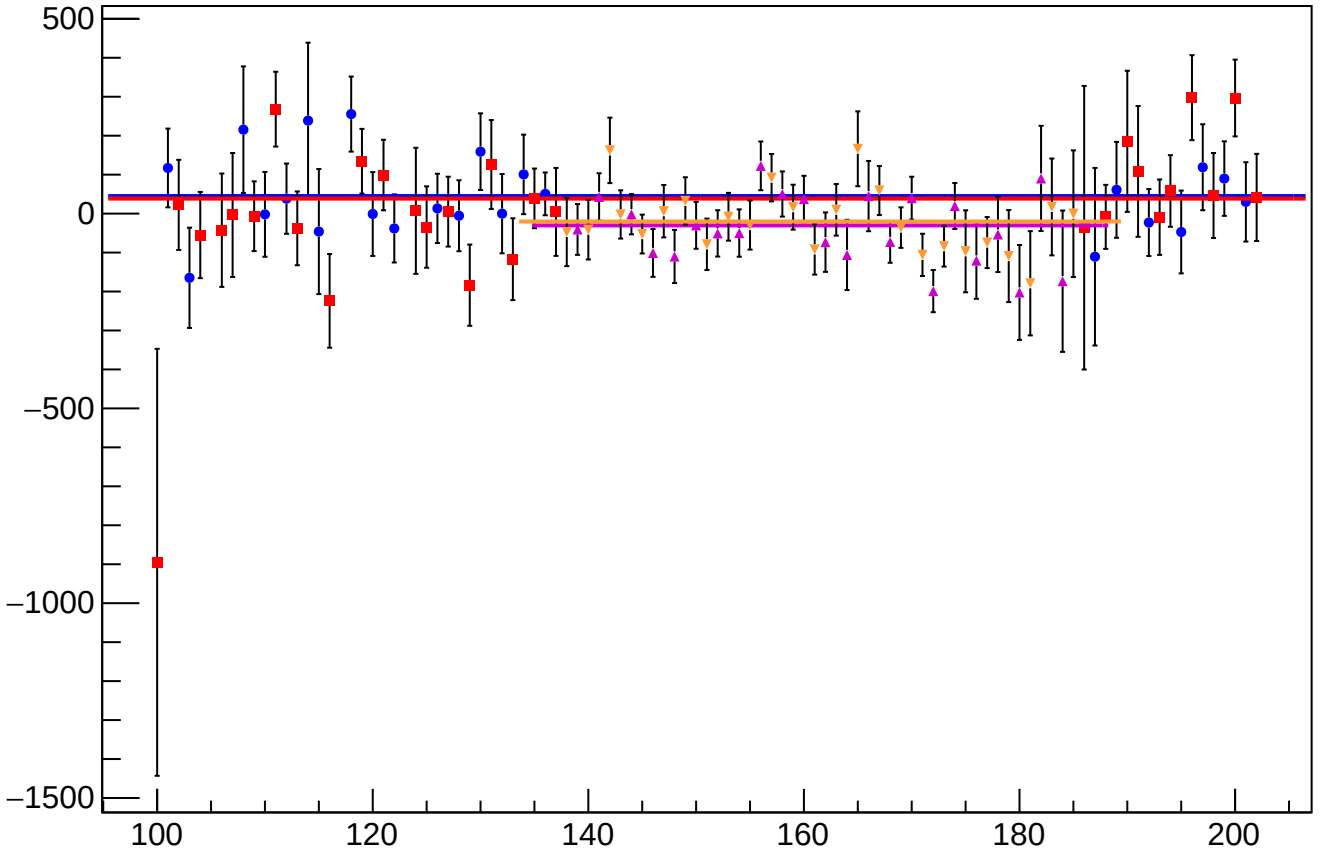
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 734.484+/-0.110 χ^2/NDF: 8729814.8/51

In: 491.733+/-0.067 χ^2/NDF:7389736.7/45

Out: 494.490+/-0.065 χ^2/NDF:9488279.5/53

All: 493.160+/-0.047 χ^2/NDF: 16878887.4/99



Right In: 45.013+/-21.017 χ^2/NDF: 16.4/22

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 38.495+/-20.047 χ^2/NDF: 39.3/28

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

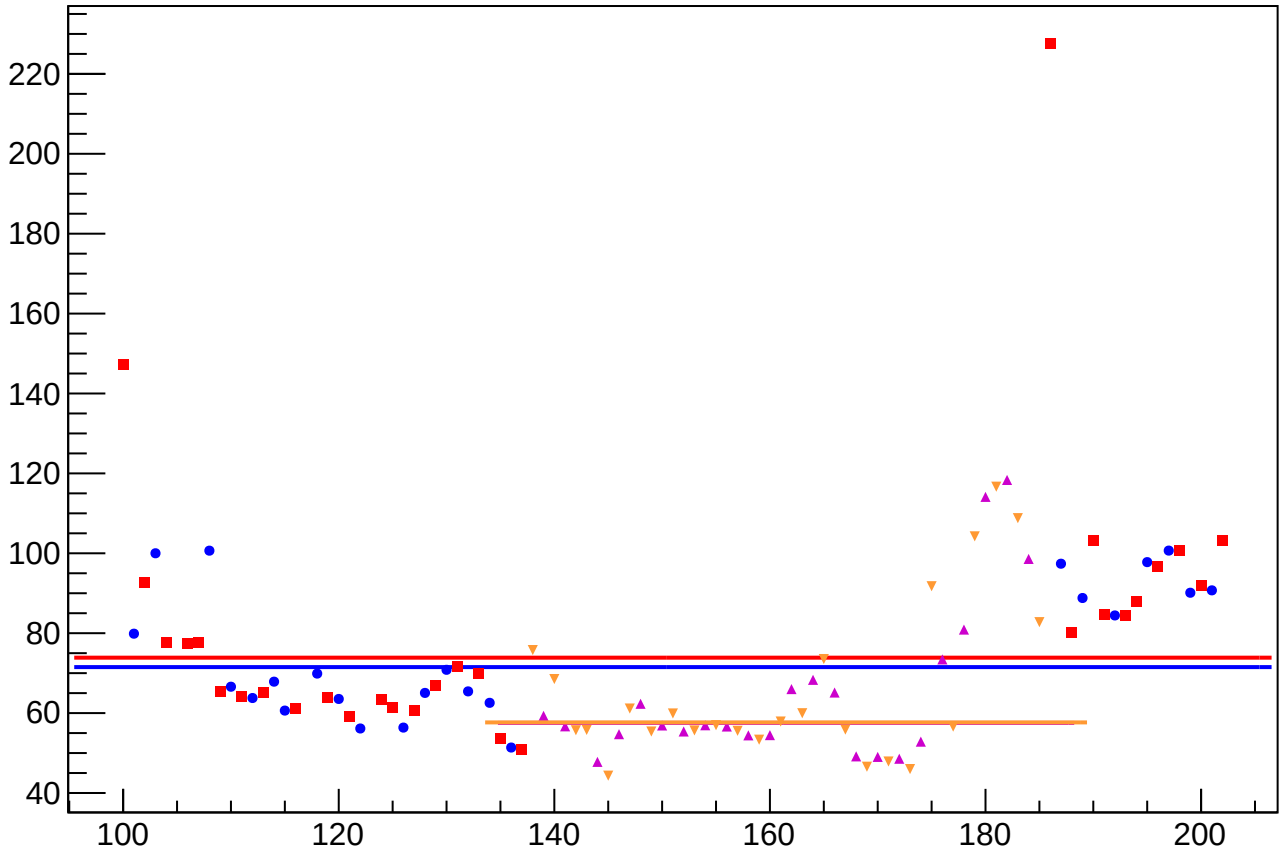
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 41.600+/-14.506 χ^2/NDF: 55.8/51

In: -7.213+/-11.639 χ^2/NDF:57.9/45

Out: -1.682+/-11.275 χ^2/NDF:70.3/53

All: -4.359+/-8.098 χ^2/NDF: 128.3/99



Right In: 71.513+/-0.015 χ^2/NDF: 1156905.5/22

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 73.875+/-0.014 χ^2/NDF: 1480860.6/28

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

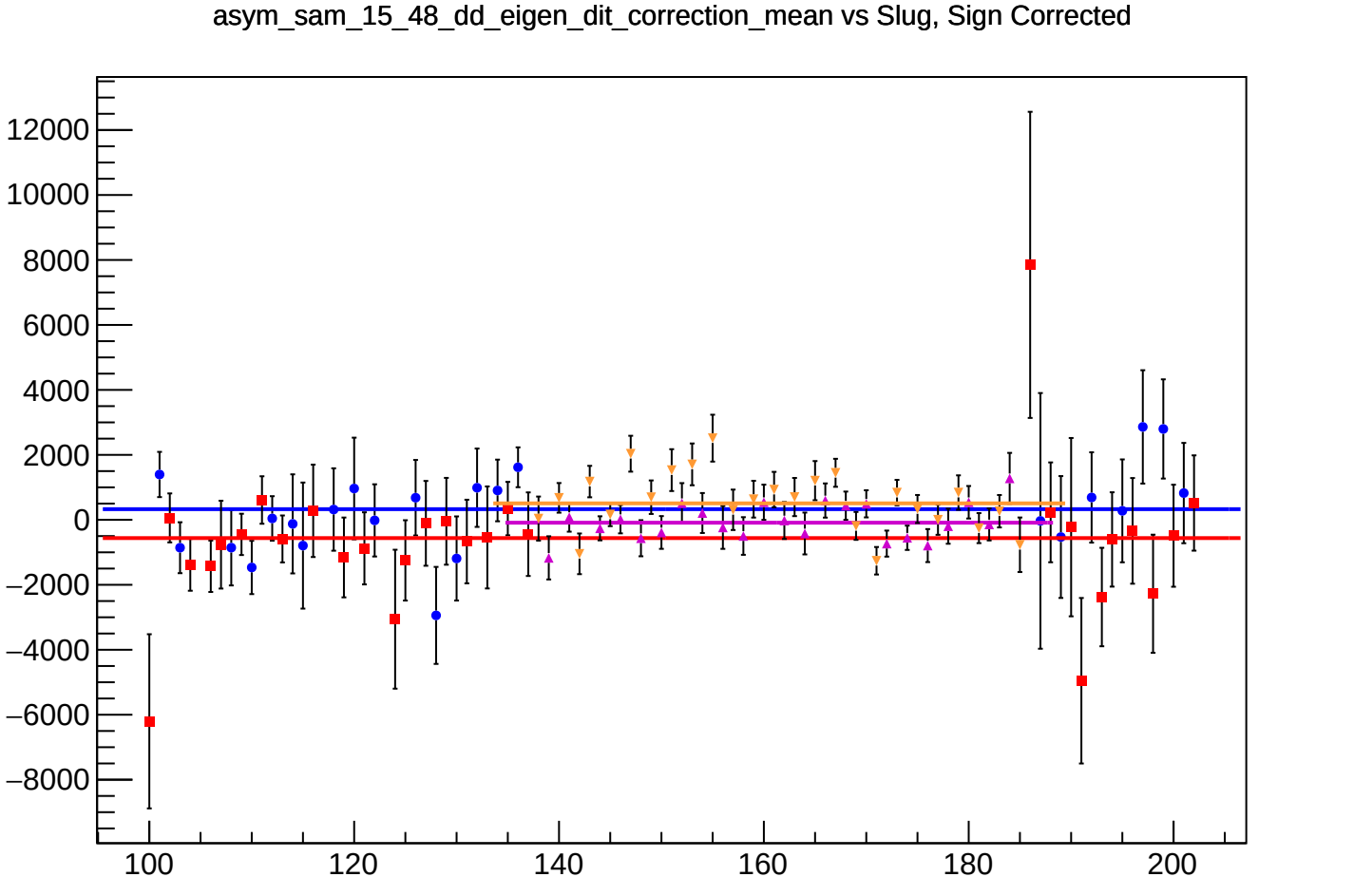
Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

Right: 72.750+/-0.010 χ^2/NDF: 2650986.0/51

In: 61.825+/-0.008 χ^2/NDF:3213144.1/45

Out: 62.795+/-0.008 χ^2/NDF:4284172.7/53

All: 62.325+/-0.006 χ^2/NDF: 7504473.3/99



Right In: 328.677+/-227.824 χ^2/NDF: 27.8/22

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -561.948+/-212.371 χ^2/NDF: 23.2/28

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

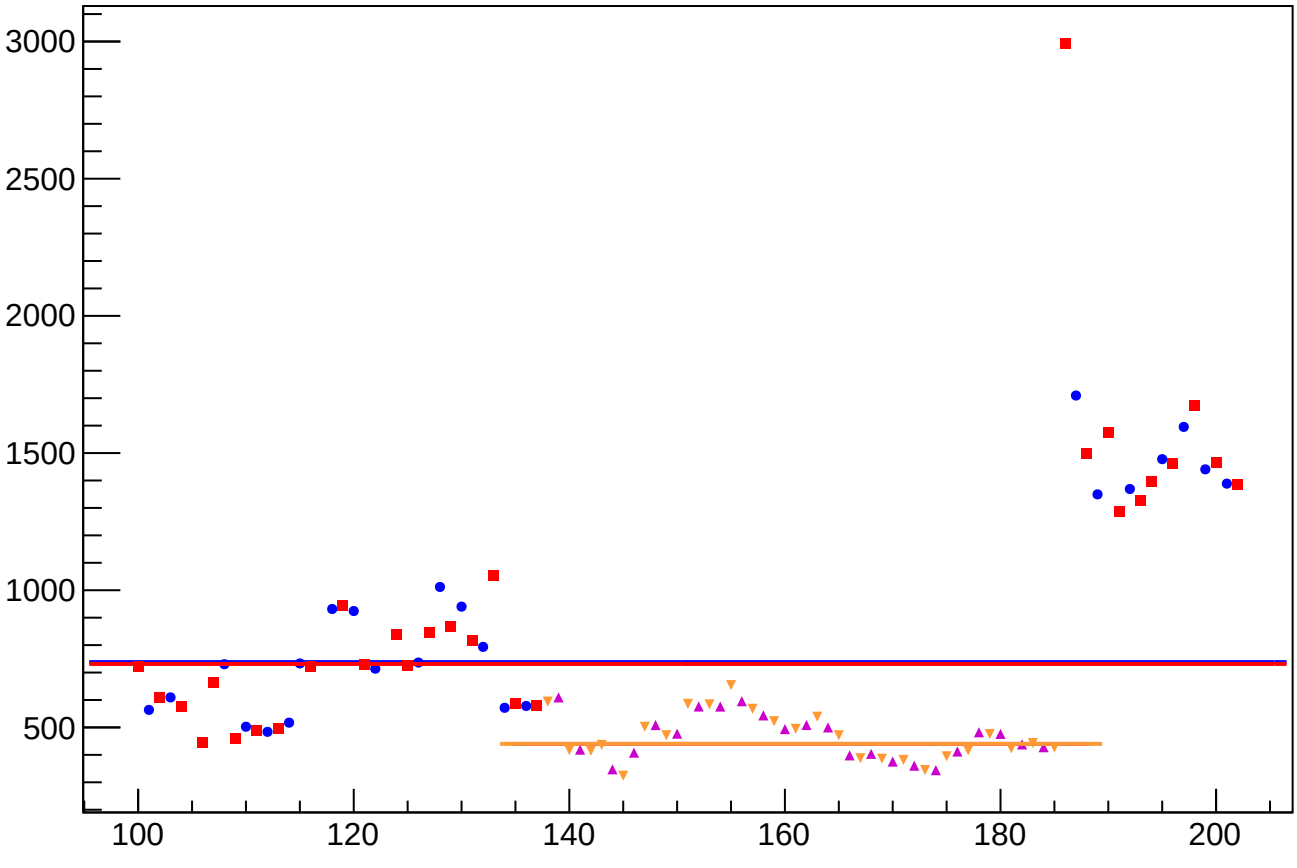
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -147.863+/-155.345 χ^2/NDF: 59.1/51

In: -15.914+/-95.016 χ^2/NDF:53.8/45

Out: 307.488+/-91.781 χ^2/NDF:109.6/53

All: 151.385+/-66.013 χ^2/NDF: 169.4/99



Right In: 738.010+/-0.161 χ^2/NDF: 3498626.1/22

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 731.418+/-0.150 χ^2/NDF: 5230298.8/28

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

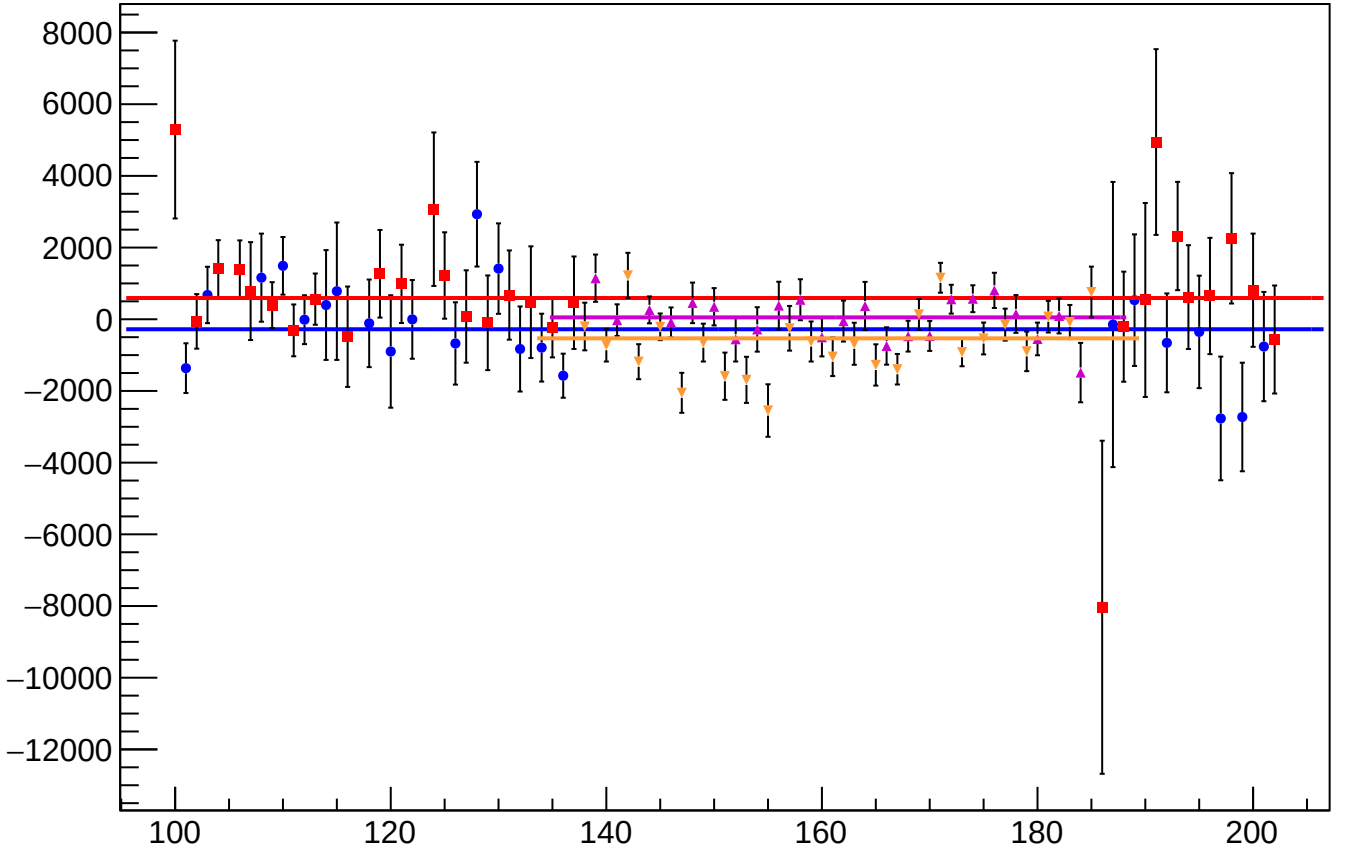
Right: 734.483+/-0.110 χ^2/NDF: 8729820.7/51

In: 491.732+/-0.067 χ^2/NDF:7389760.7/45

Out: 494.489+/-0.065 χ^2/NDF:9488302.8/53

All: 493.158+/-0.047 χ^2/NDF: 16878934.7/99

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -278.747+/-226.539 χ^2/NDF: 27.8/22

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 592.719+/-211.848 χ^2/NDF: 21.5/28

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

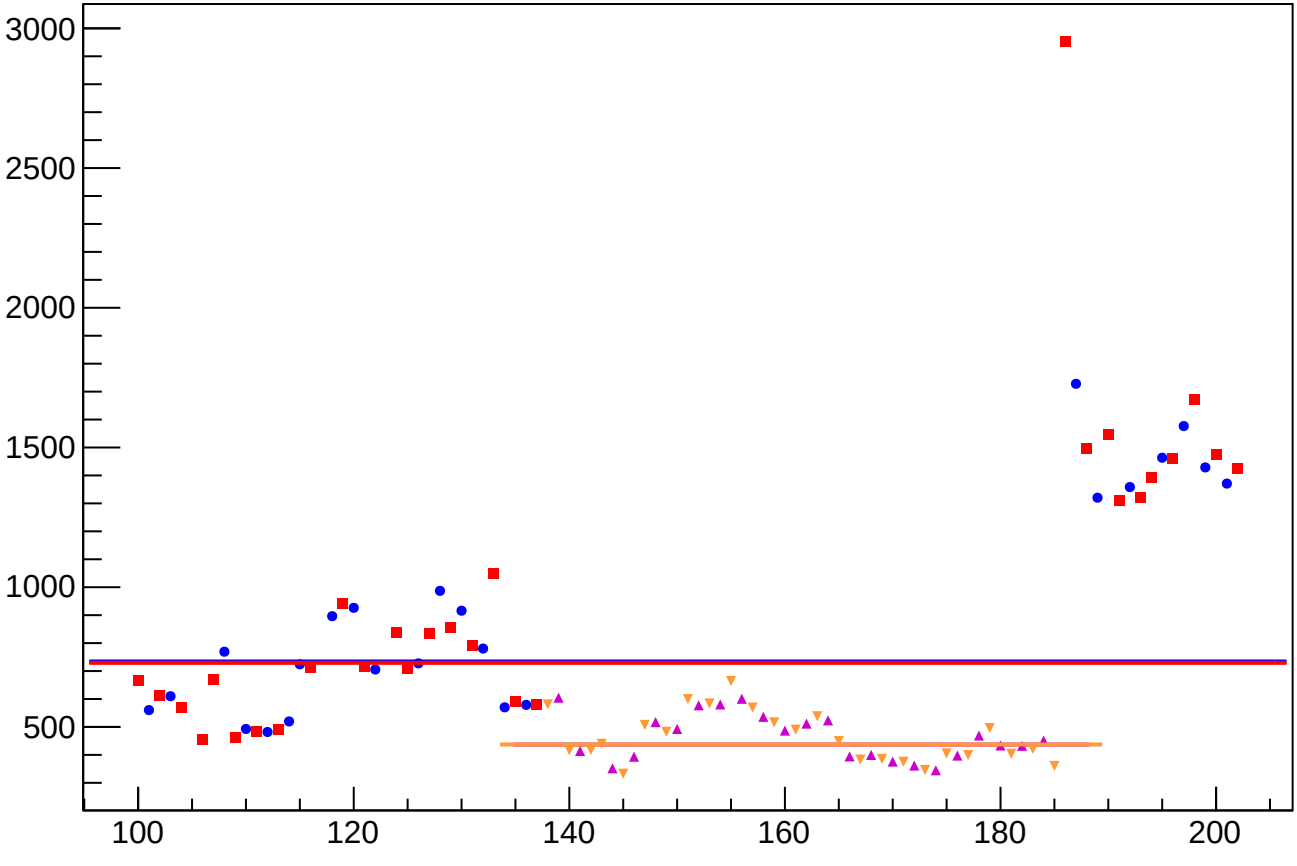
Right: 186.156+/-154.732 χ^2/NDF: 57.2/51

In: -4.997+/-94.418 χ^2/NDF:53.7/45

Out: -322.526+/-91.349 χ^2/NDF:110.0/53

All: -169.006+/-65.652 χ^2/NDF: 169.5/99

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 734.238+/-0.160 χ^2/NDF: 3446185.6/22

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 729.474+/-0.150 χ^2/NDF: 5220262.5/28

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

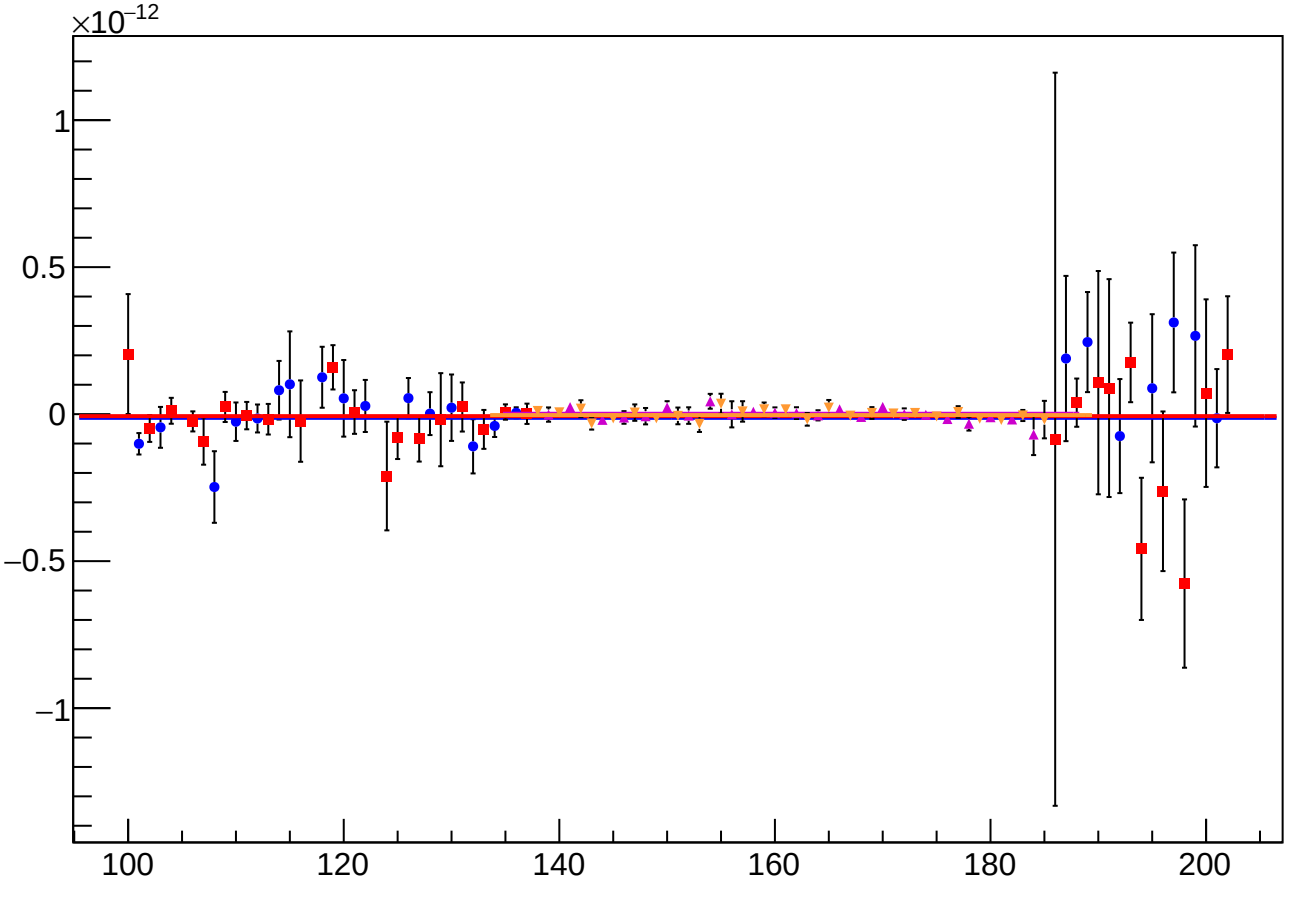
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 731.697+/-0.109 χ^2/NDF: 8666919.8/51

In: 488.582+/-0.067 χ^2/NDF:7372436.2/45

Out: 491.508+/-0.065 χ^2/NDF:9547626.5/53

All: 490.093+/-0.046 χ^2/NDF: 16921055.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/28

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

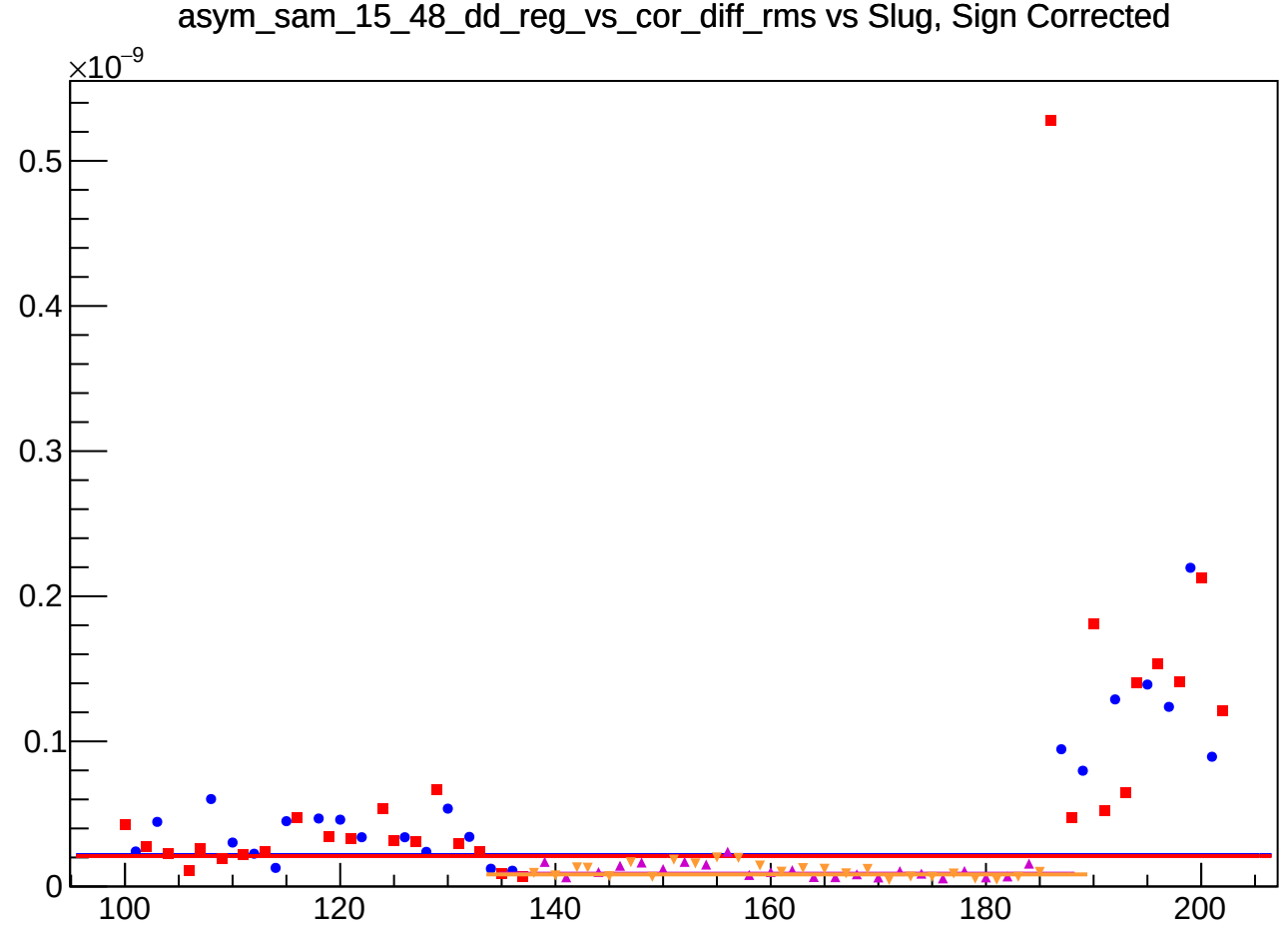
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 47.6/51

In: 0.000+/-0.000 χ^2/NDF:45.9/45

Out: -0.000+/-0.000 χ^2/NDF:39.2/53

All: -0.000+/-0.000 χ^2/NDF: 85.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 4732174.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5195602.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

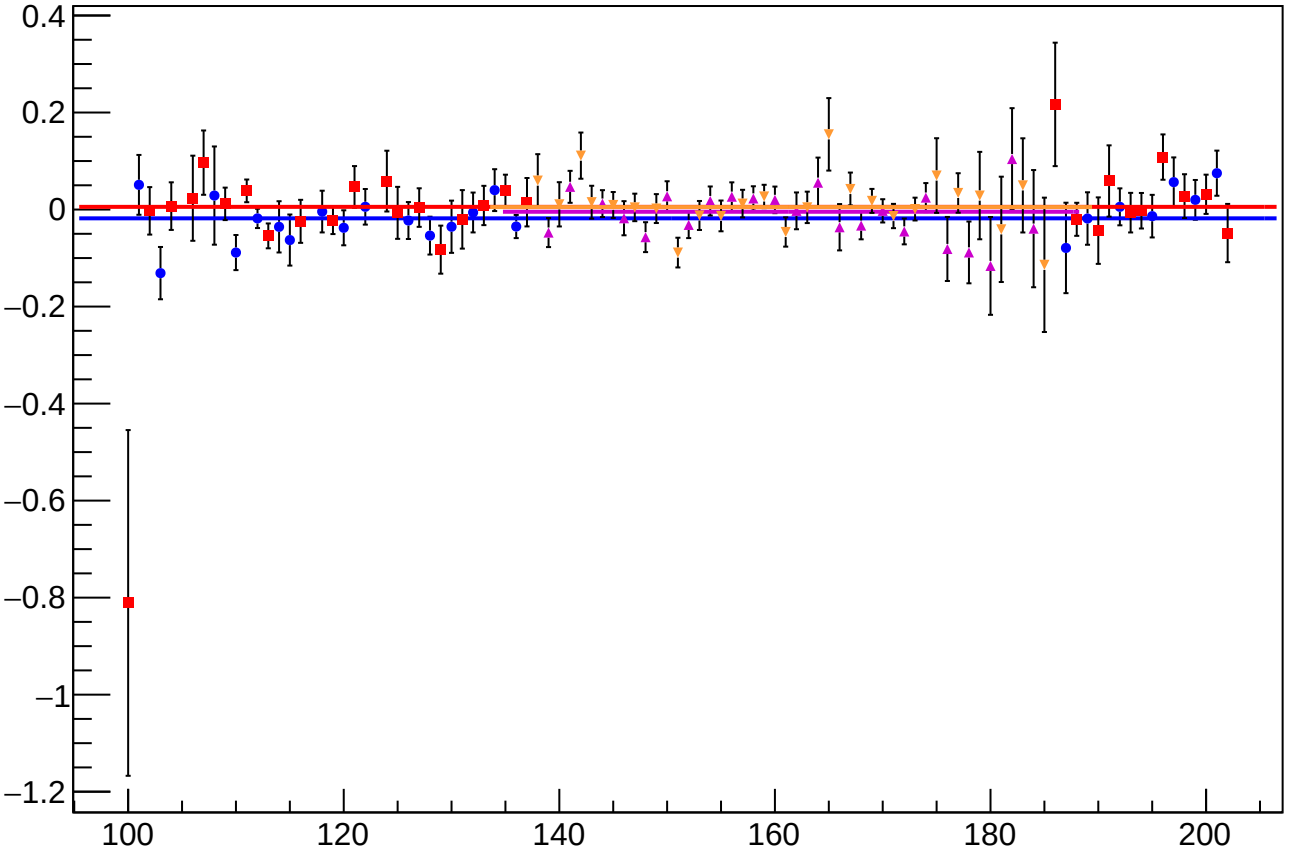
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9930938.3/51

In: 0.000+/-0.000 χ^2/NDF:8335154.2/45

Out: 0.000+/-0.000 χ^2/NDF:9487358.5/53

All: 0.000+/-0.000 χ^2/NDF: 17847344.6/99



Right In: -0.018+/-0.008 χ^2/NDF: 22.5/22

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

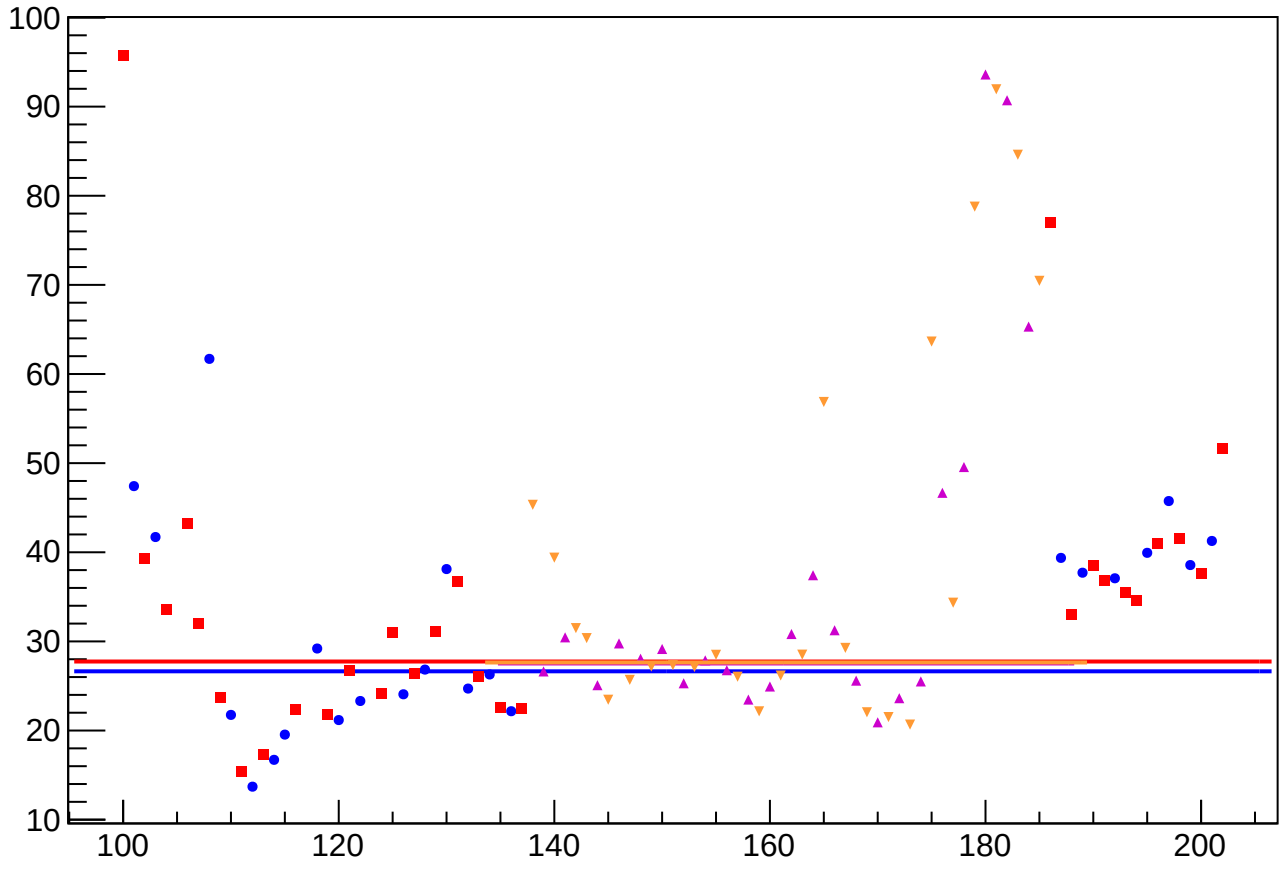
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.006+/-0.006 χ^2/NDF: 59.8/51

In: -0.010+/-0.005 χ^2/NDF:49.2/45

Out: 0.005+/-0.005 χ^2/NDF:61.4/53

All: -0.002+/-0.004 χ^2/NDF: 114.9/99



Right In: 26.645+/-0.006 χ^2/NDF: 2957798.5/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.744+/-0.006 χ^2/NDF: 2819098.5/28

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

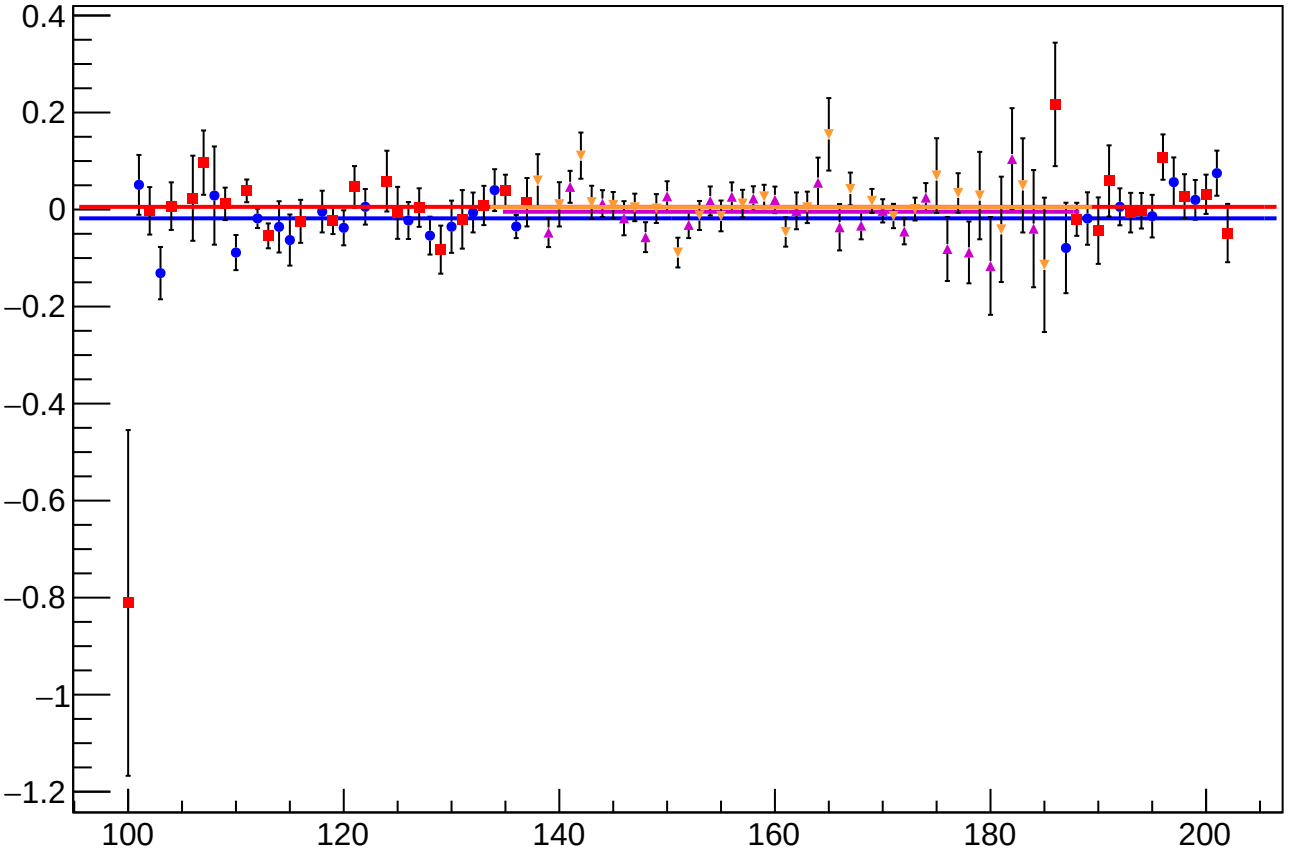
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.224+/-0.004 χ^2/NDF: 5795274.7/51

In: 27.161+/-0.004 χ^2/NDF:5605436.3/45

Out: 27.682+/-0.004 χ^2/NDF:6793401.8/53

All: 27.430+/-0.003 χ^2/NDF: 12408638.9/99



Right In: -0.018+/-0.008 χ^2/NDF: 22.5/22

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

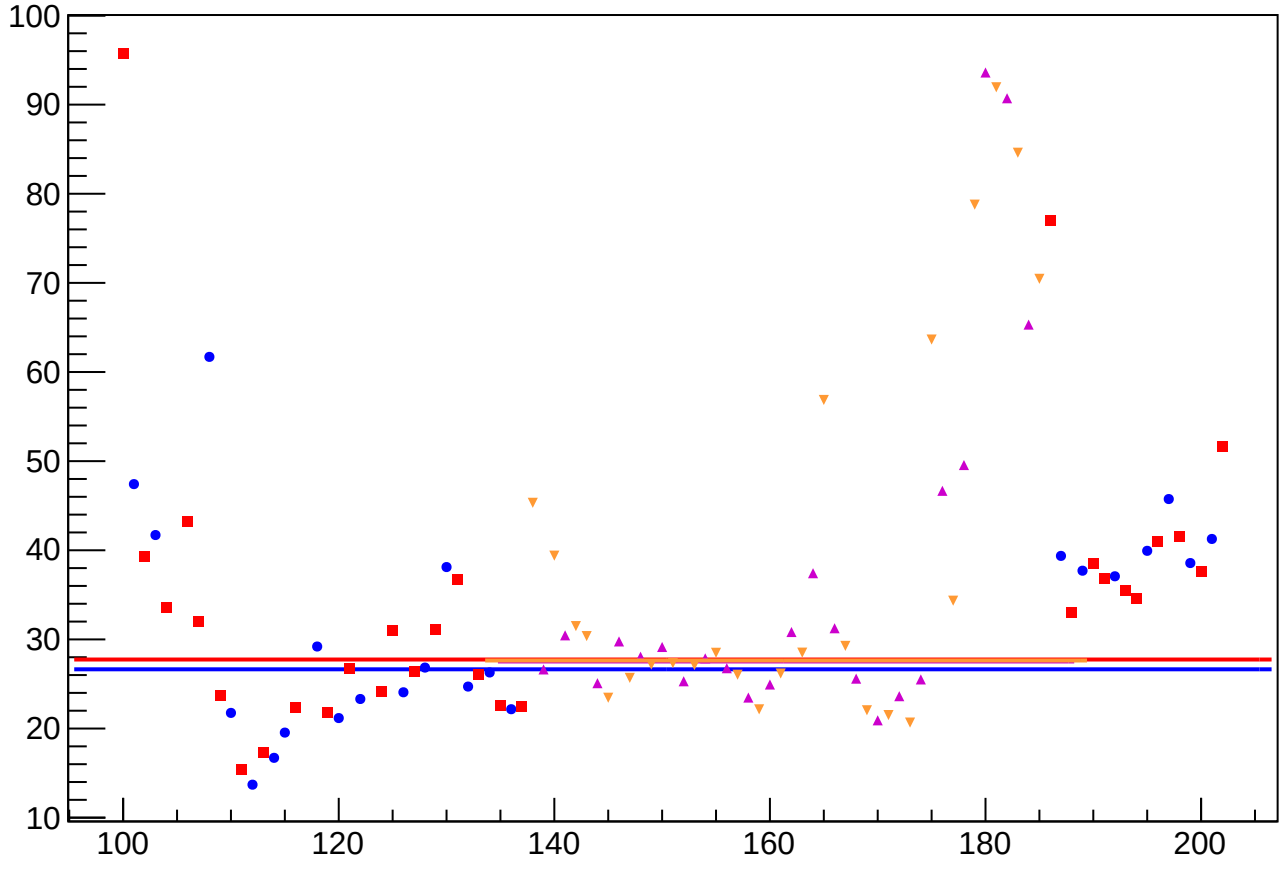
Right: -0.006+/-0.006 χ^2/NDF: 59.8/51

In: -0.010+/-0.005 χ^2/NDF:49.2/45

Out: 0.005+/-0.005 χ^2/NDF:61.4/53

All: -0.002+/-0.004 χ^2/NDF: 114.9/99

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.645+/-0.006 χ^2/NDF: 2957798.5/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.744+/-0.006 χ^2/NDF: 2819098.5/28

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

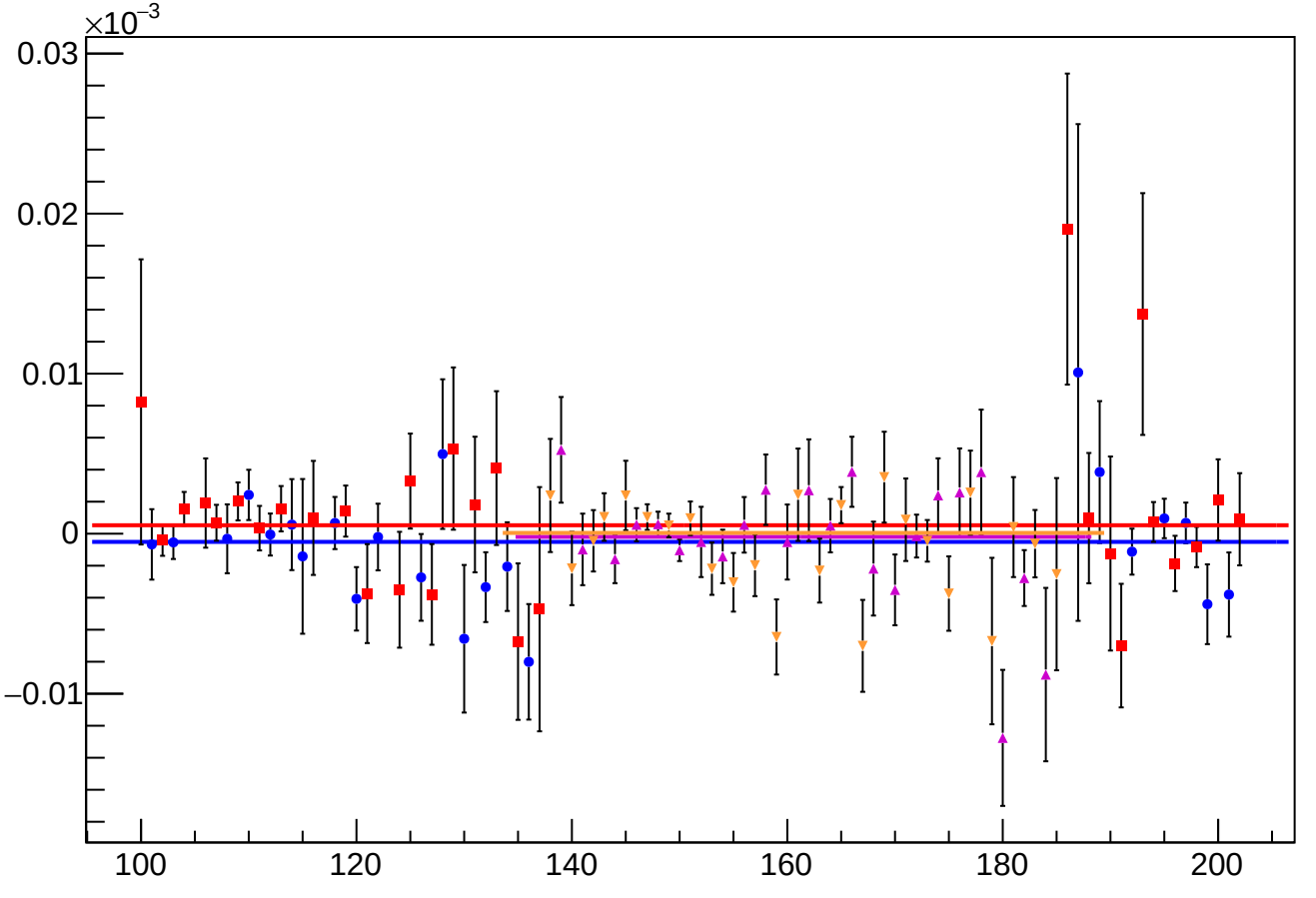
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.224+/-0.004 χ^2/NDF: 5795274.7/51

In: 27.161+/-0.004 χ^2/NDF:5605436.3/45

Out: 27.682+/-0.004 χ^2/NDF:6793401.8/53

All: 27.430+/-0.003 χ^2/NDF: 12408638.9/99



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/28

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

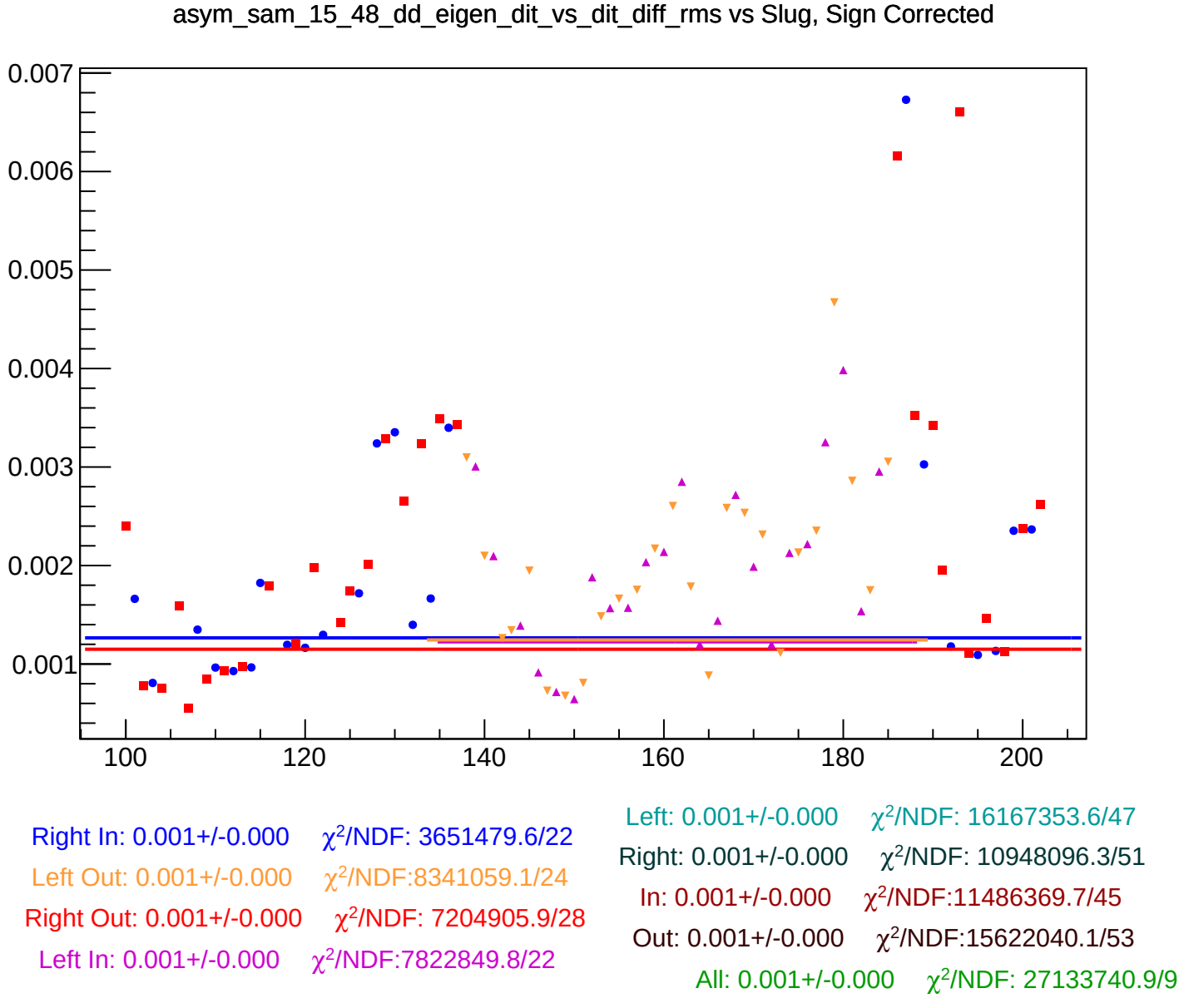
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

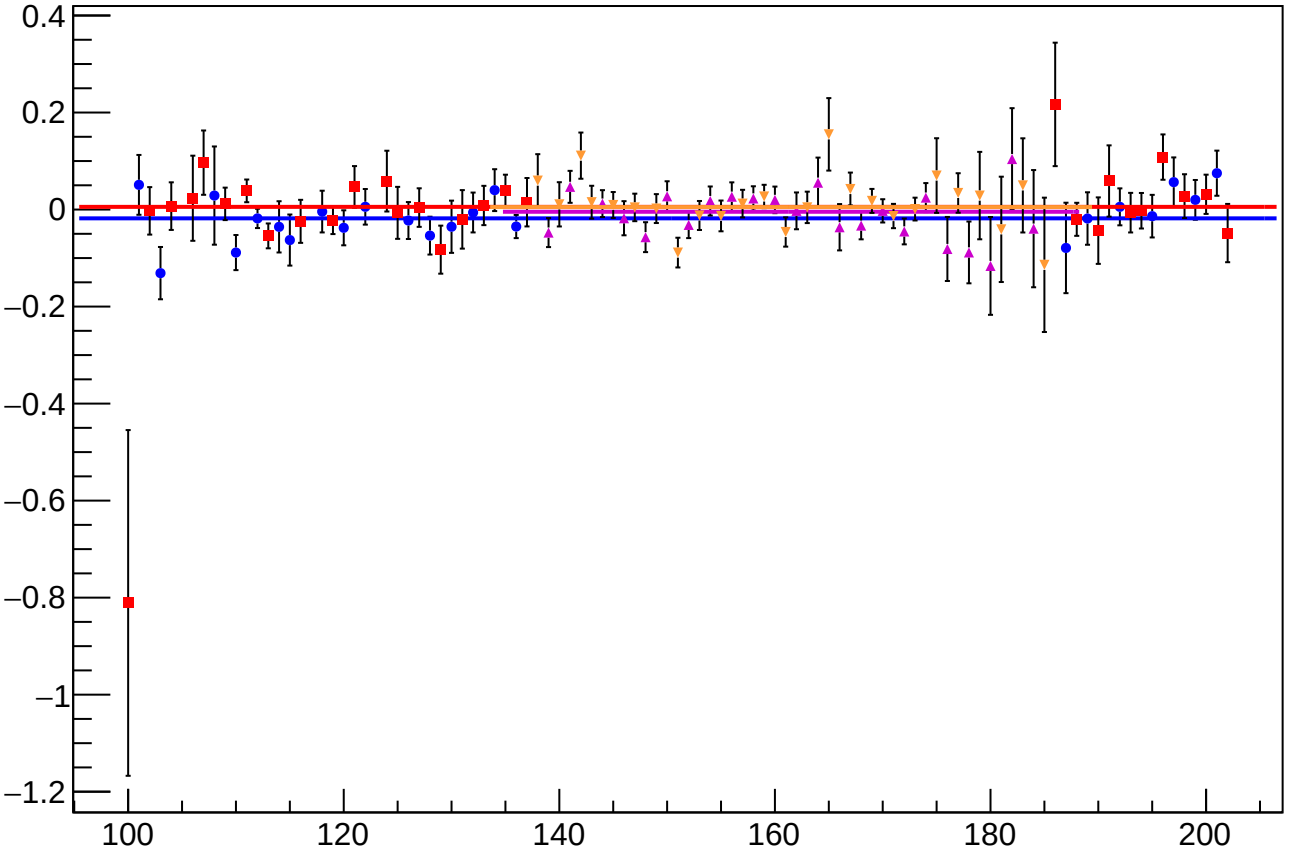
Right: 0.000+/-0.000 χ^2/NDF: 58.8/51

In: -0.000+/-0.000 χ^2/NDF:59.2/45

Out: 0.000+/-0.000 χ^2/NDF:67.5/53

All: -0.000+/-0.000 χ^2/NDF: 129.5/99


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
Right In: 0.001+/-0.000 χ²/NDF: 3651479.6/22
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 7204905.9/28
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: 10948096.3/51
In: 0.001+/-0.000 χ²/NDF:11486369.7/45
Out: 0.001+/-0.000 χ²/NDF:15622040.1/53
All: 0.001+/-0.000 χ²/NDF: 27133740.9/99



Right In: -0.018+/-0.008 χ^2/NDF: 22.5/22

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

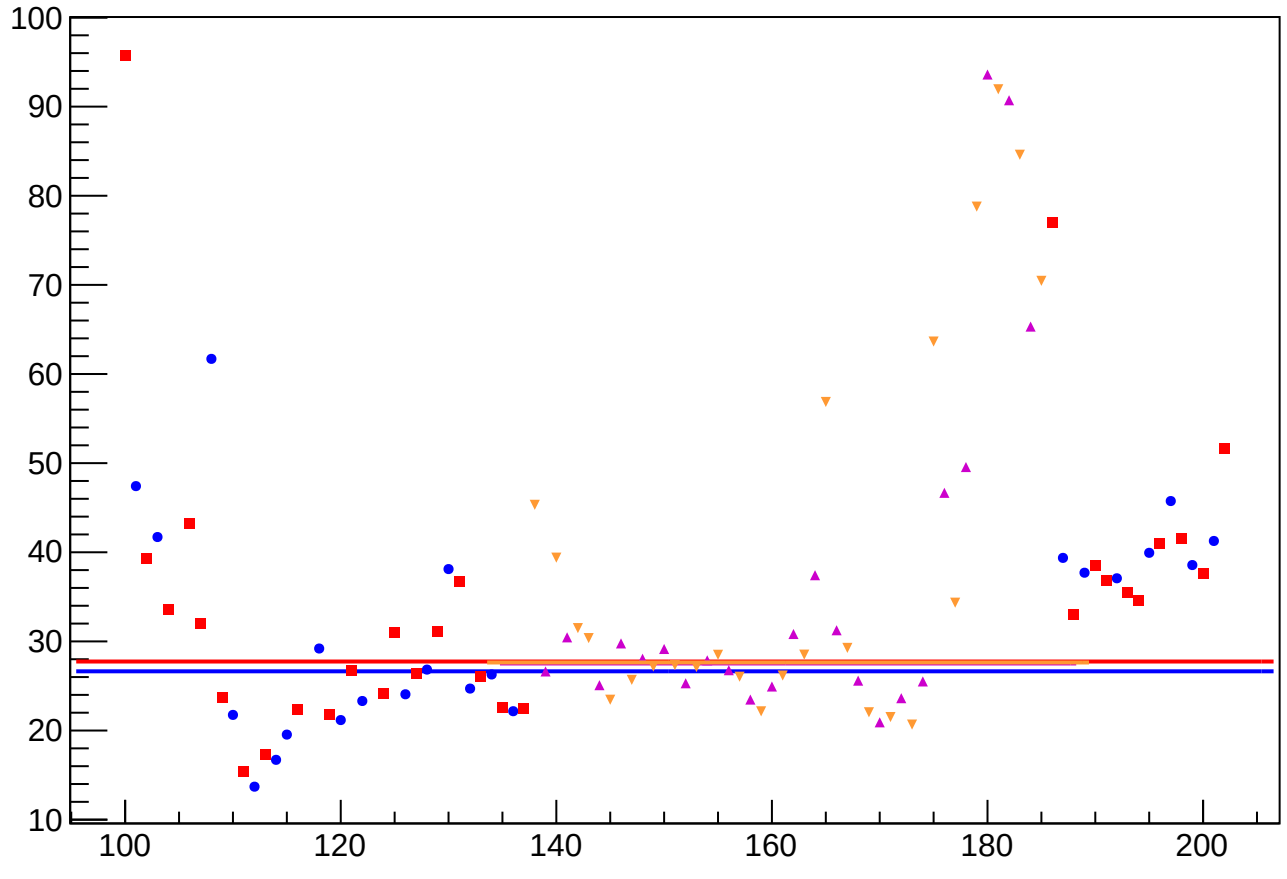
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.006+/-0.006 χ^2/NDF: 59.8/51

In: -0.010+/-0.005 χ^2/NDF:49.2/45

Out: 0.005+/-0.005 χ^2/NDF:61.4/53

All: -0.002+/-0.004 χ^2/NDF: 114.9/99



Right In: 26.645+/-0.006 χ^2/NDF: 2957808.6/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.744+/-0.006 χ^2/NDF: 2819208.2/28

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

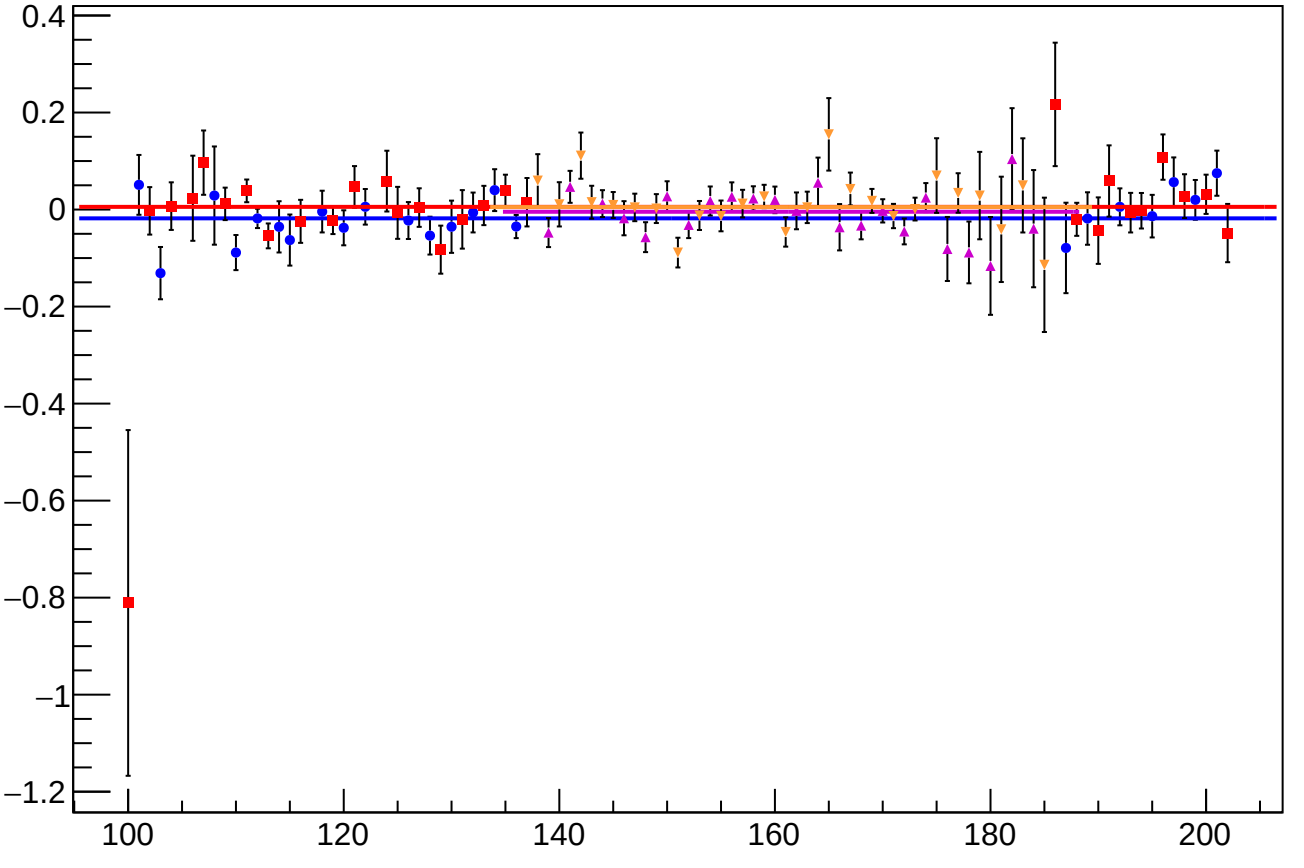
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.224+/-0.004 χ^2/NDF: 5795394.8/51

In: 27.161+/-0.004 χ^2/NDF:5605427.1/45

Out: 27.682+/-0.004 χ^2/NDF:6793449.7/53

All: 27.430+/-0.003 χ^2/NDF: 12408680.5/99



Right In: -0.018+/-0.008 χ^2/NDF: 22.5/22

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

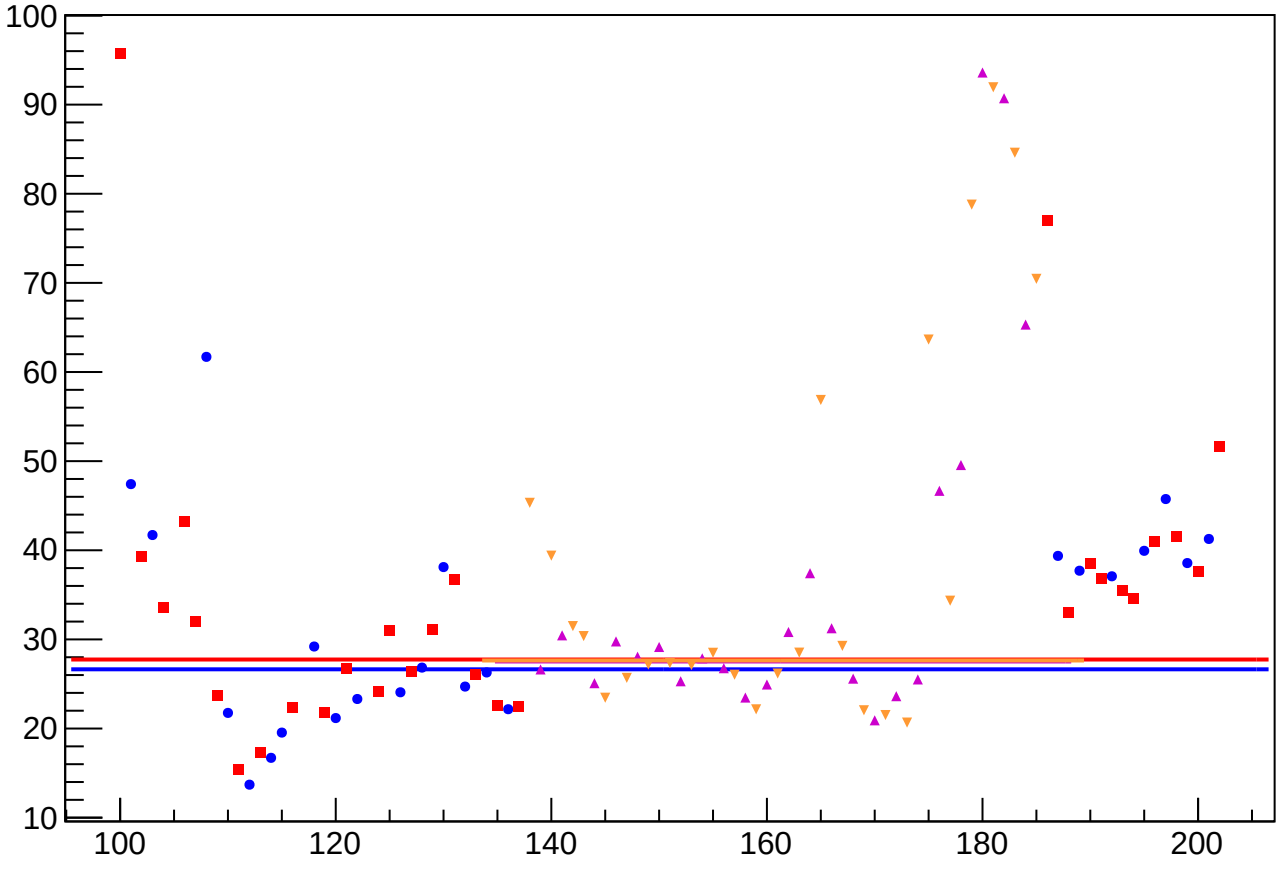
Right: -0.006+/-0.006 χ^2/NDF: 59.8/51

In: -0.010+/-0.005 χ^2/NDF:49.2/45

Out: 0.005+/-0.005 χ^2/NDF:61.4/53

All: -0.002+/-0.004 χ^2/NDF: 114.9/99

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.645+/-0.006 χ^2/NDF: 2957808.6/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.744+/-0.006 χ^2/NDF: 2819208.2/28

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

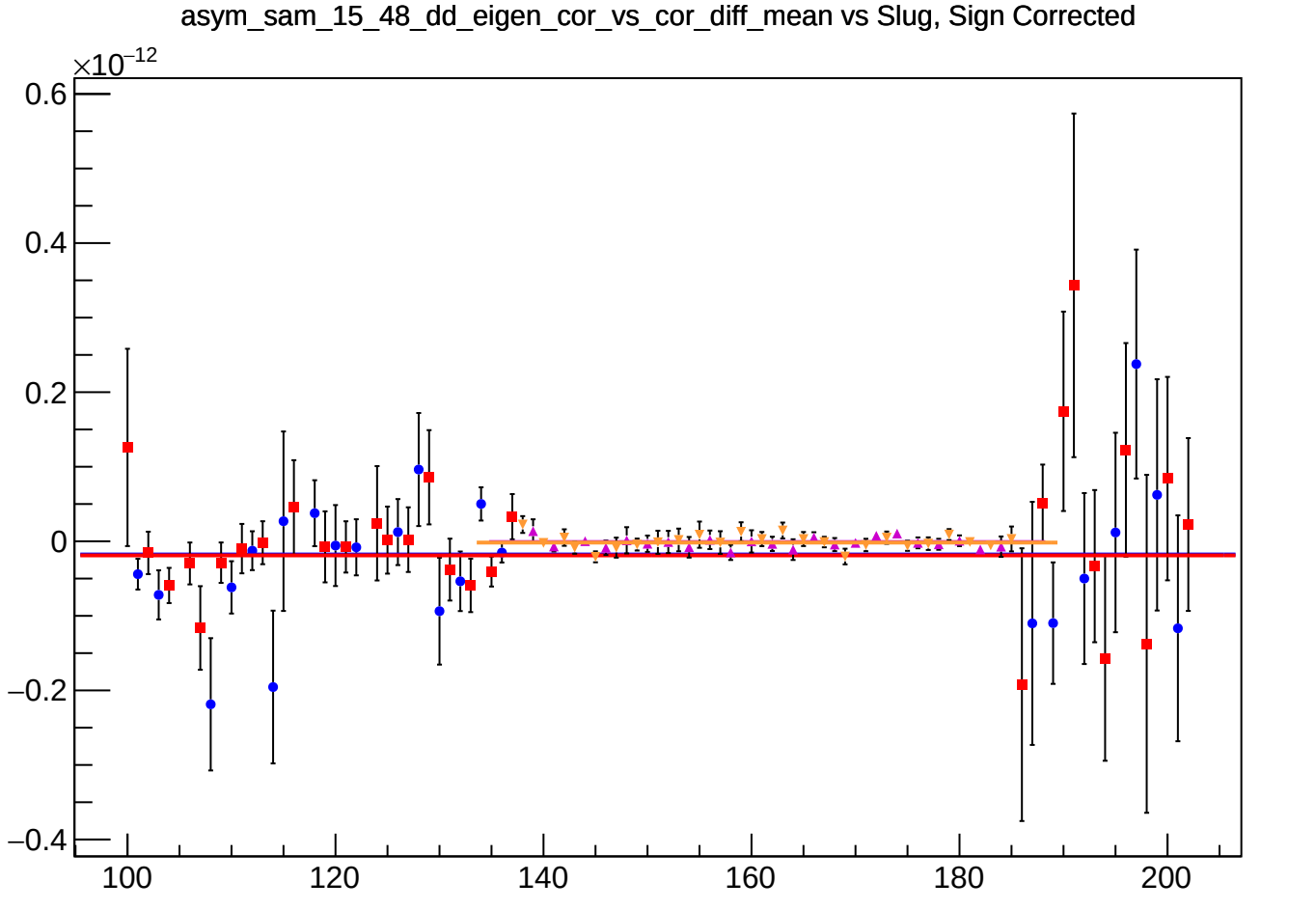
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.224+/-0.004 χ^2/NDF: 5795394.8/51

In: 27.161+/-0.004 χ^2/NDF:5605427.1/45

Out: 27.682+/-0.004 χ^2/NDF:6793449.7/53

All: 27.430+/-0.003 χ^2/NDF: 12408680.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/28

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

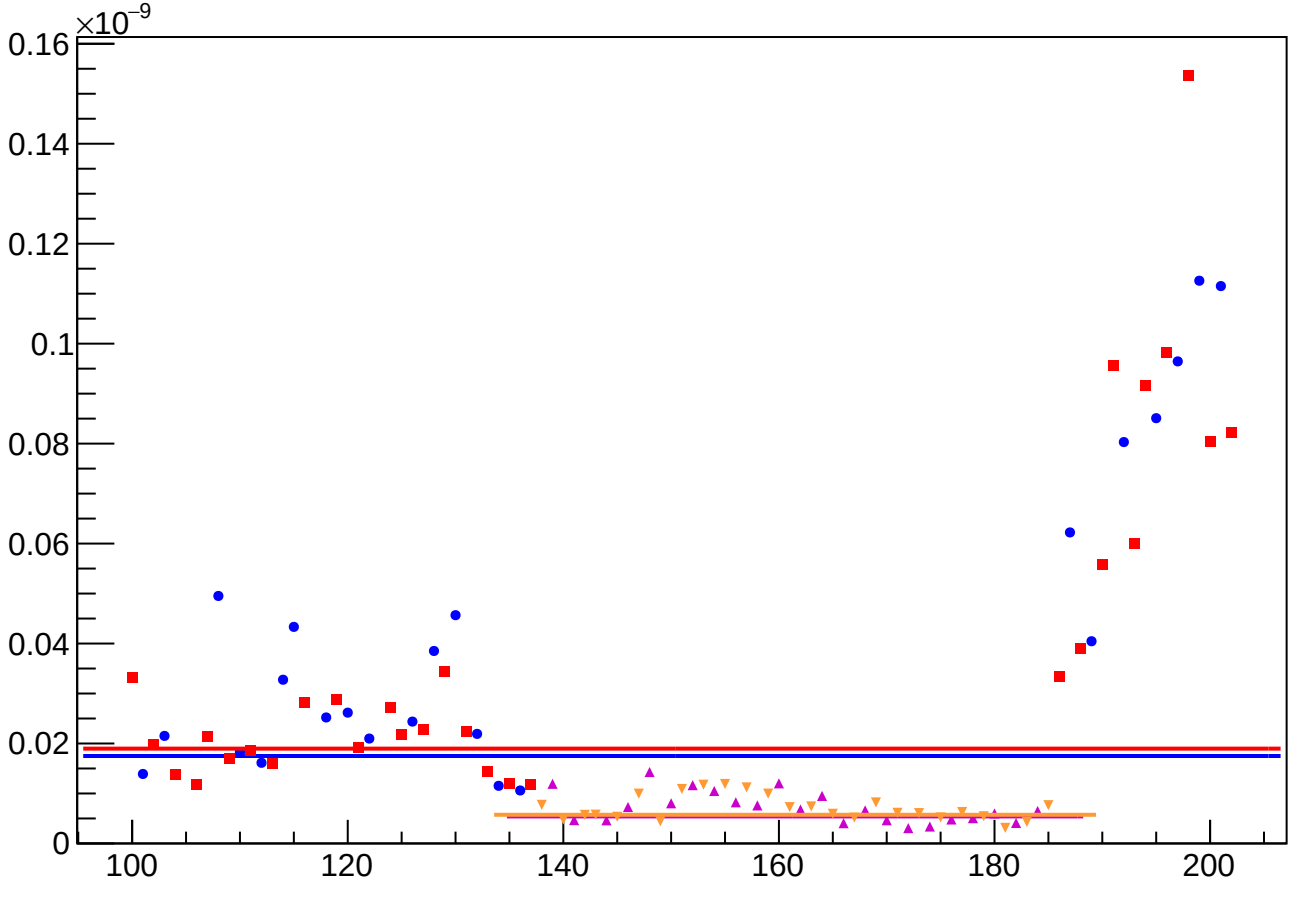
Right: -0.000+/-0.000 χ^2/NDF: 63.5/51

In: -0.000+/-0.000 χ^2/NDF:56.1/45

Out: -0.000+/-0.000 χ^2/NDF:57.6/53

All: -0.000+/-0.000 χ^2/NDF: 113.8/99

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5311960.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4865227.5/28

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

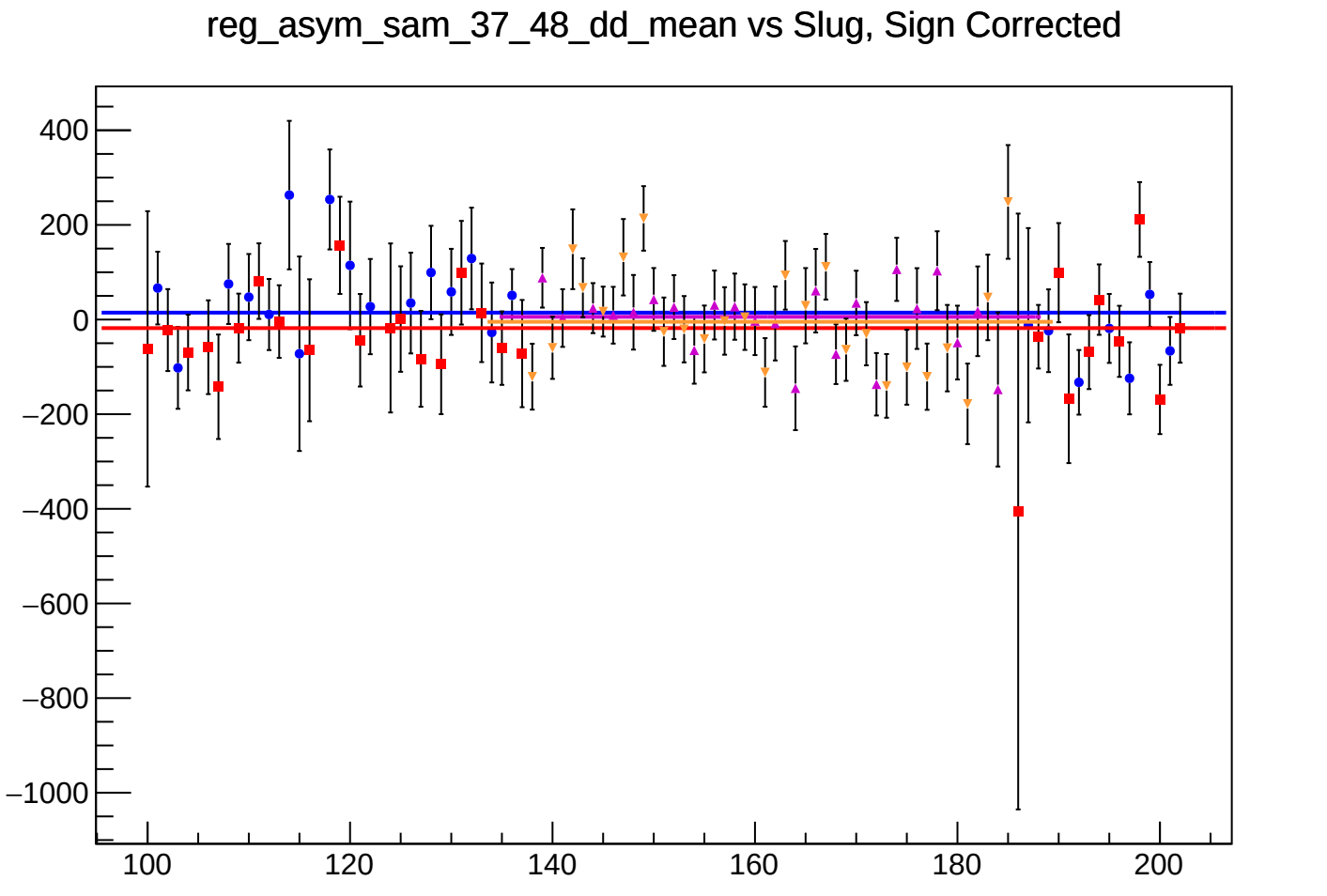
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10214069.6/51

In: 0.000+/-0.000 χ^2/NDF:13533130.6/45

Out: 0.000+/-0.000 χ^2/NDF:13142906.6/53

All: 0.000+/-0.000 χ^2/NDF: 26728488.2/99



Right In: 14.619+/-18.260 χ^2/NDF: 24.0/22

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -18.068+/-17.180 χ^2/NDF: 26.1/28

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

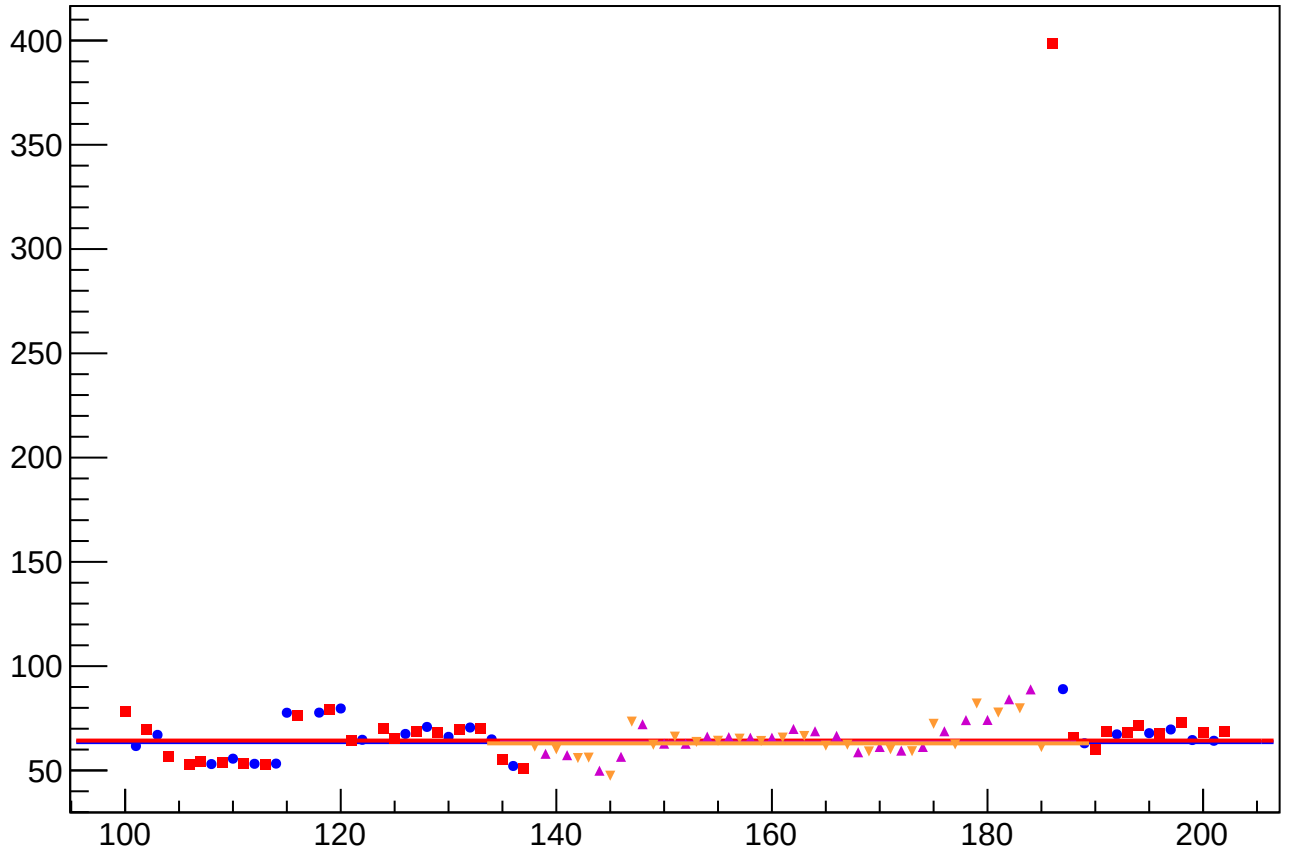
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: -2.721+/-12.512 χ^2/NDF: 51.8/51

In: 9.320+/-11.559 χ^2/NDF:42.4/45

Out: -10.255+/-11.050 χ^2/NDF:73.8/53

All: -0.908+/-7.987 χ^2/NDF: 117.7/99



Right In: 63.567+/-0.013 χ^2/NDF: 337370.1/22

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 64.316+/-0.012 χ^2/NDF: 963100.4/28

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

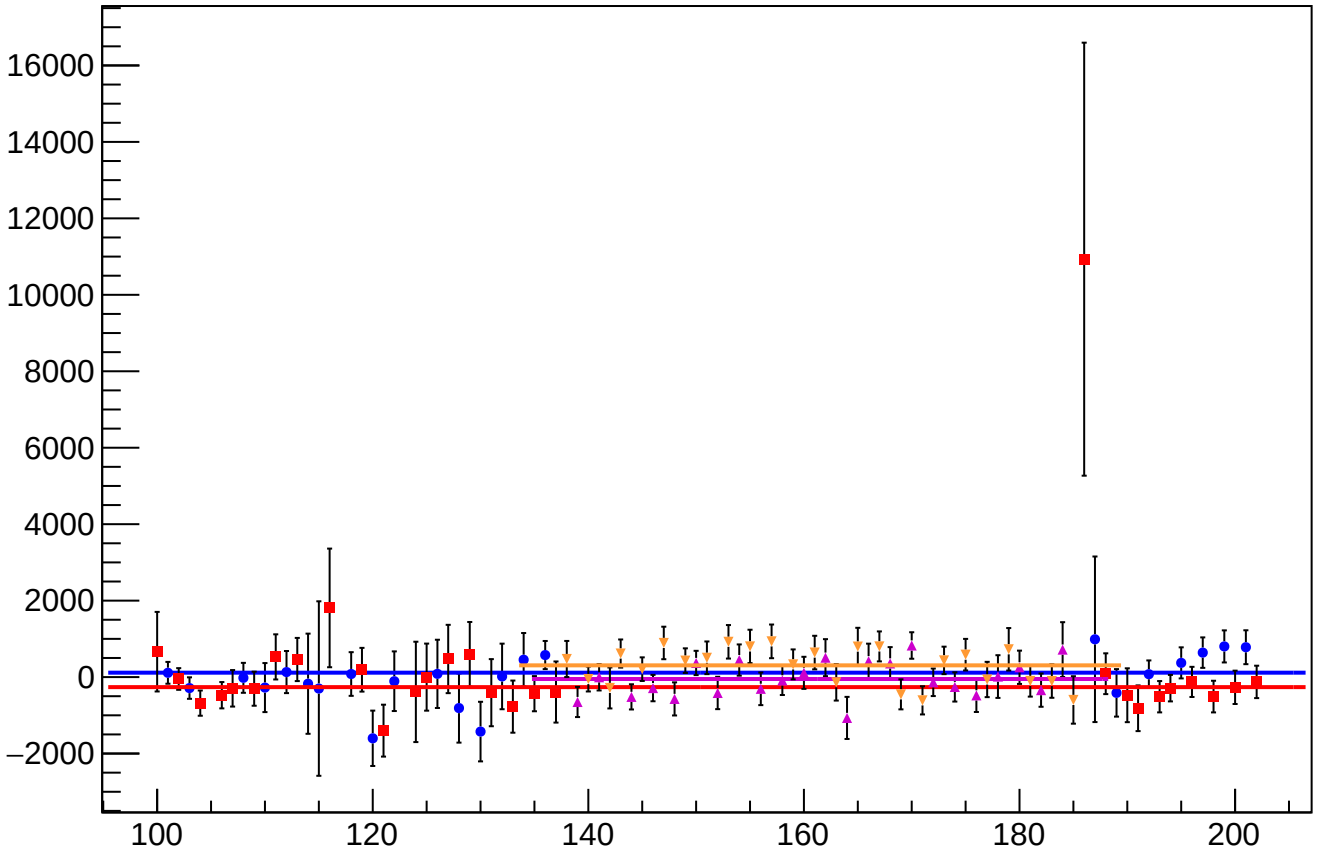
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 63.964+/-0.009 χ^2/NDF: 1302254.8/51

In: 63.446+/-0.008 χ^2/NDF:834442.1/45

Out: 63.530+/-0.008 χ^2/NDF:1497088.1/53

All: 63.490+/-0.006 χ^2/NDF: 2331585.6/99



Right In: 115.405+/-103.630 χ^2/NDF: 23.1/22

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -262.538+/-94.462 χ^2/NDF: 20.8/28

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

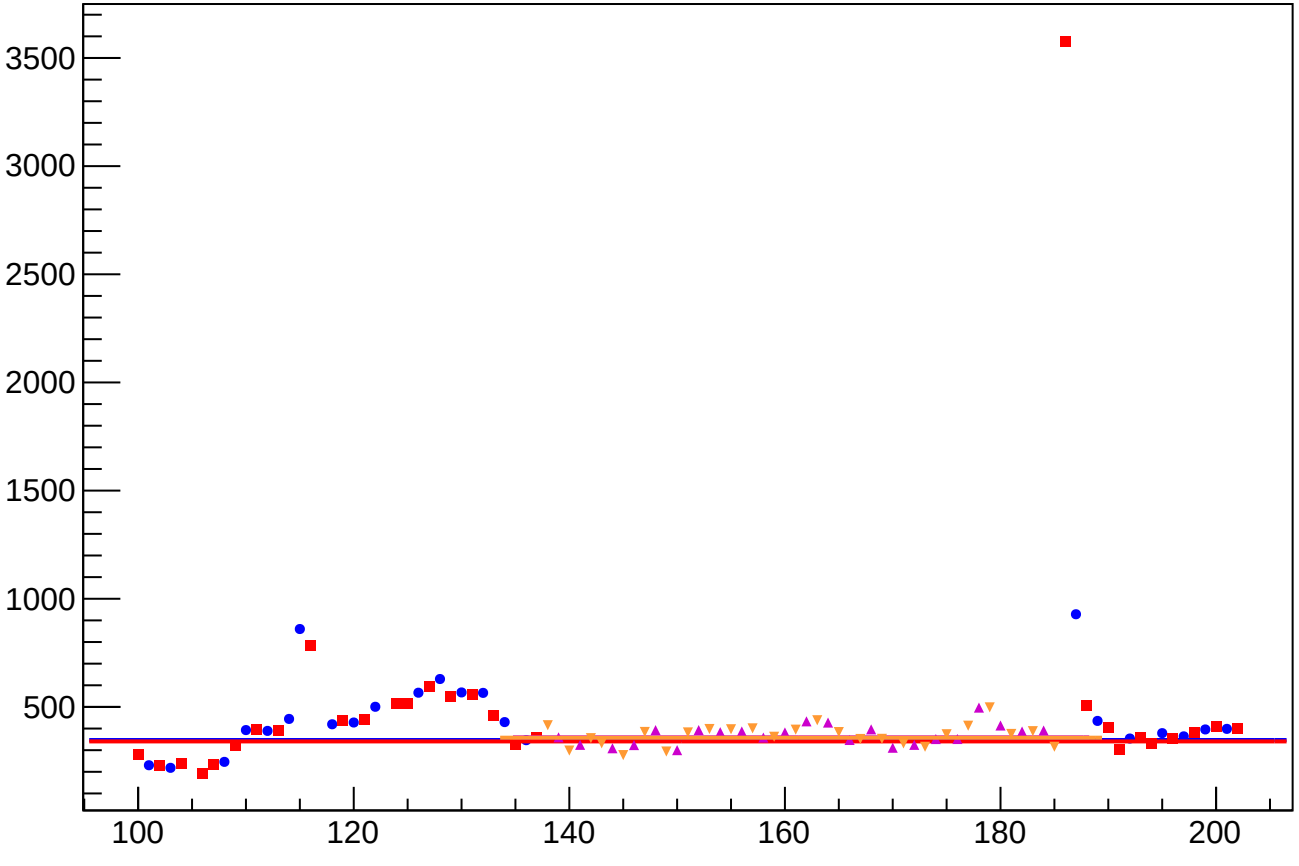
Right: -91.021+/-69.811 χ^2/NDF: 51.2/51

In: 16.354+/-65.646 χ^2/NDF:51.9/45

Out: 61.129+/-62.078 χ^2/NDF:72.1/53

All: 39.991+/-45.104 χ^2/NDF: 124.2/99

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 347.047+/-0.073 χ^2/NDF: 2040970.0/22

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 340.513+/-0.067 χ^2/NDF: 2875183.2/28

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

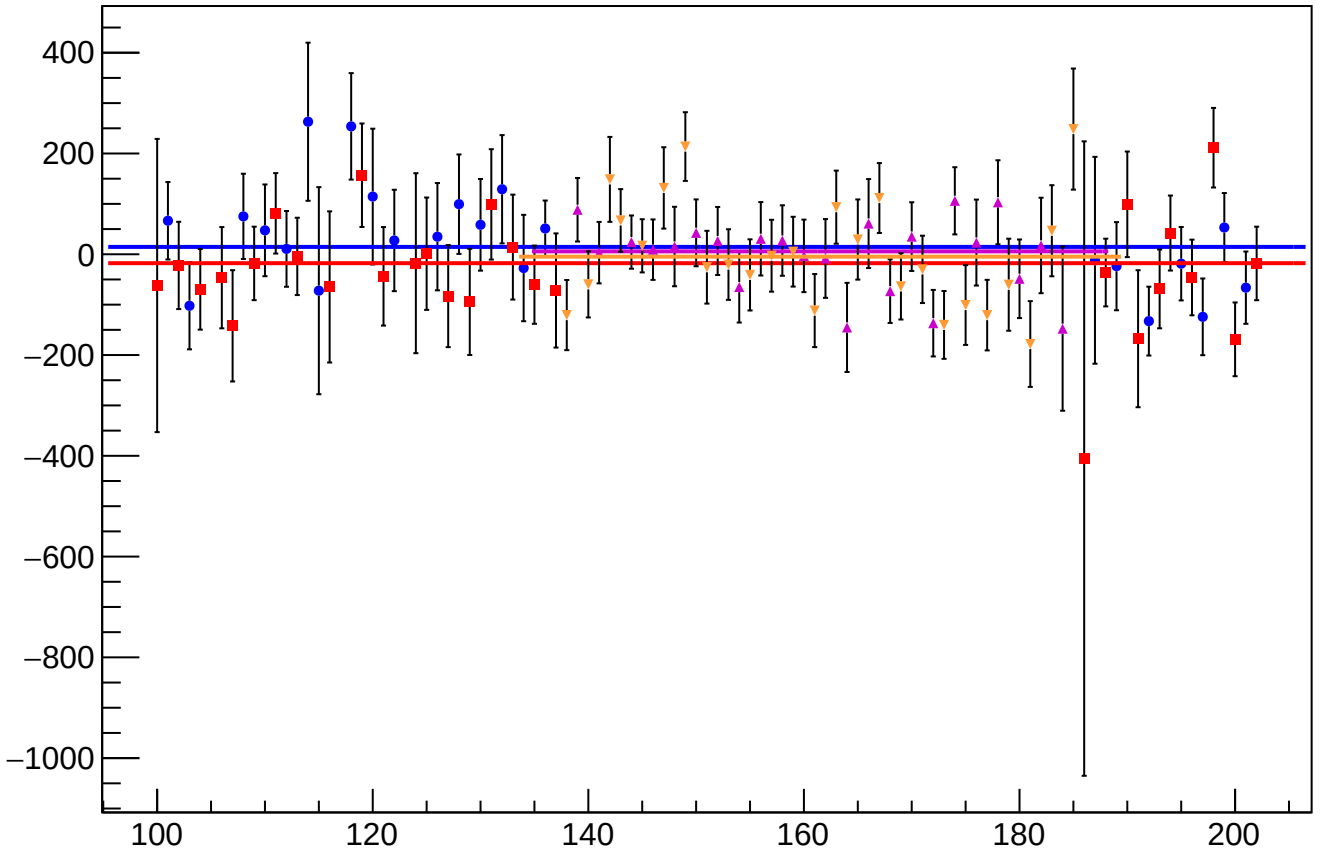
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 343.478+/-0.049 χ^2/NDF: 4920496.2/51

In: 354.413+/-0.046 χ^2/NDF:2577607.2/45

Out: 350.295+/-0.044 χ^2/NDF:3596666.2/53

All: 352.239+/-0.032 χ^2/NDF: 6178428.5/99



Right In: 14.613+/-18.260 χ^2/NDF: 24.0/22

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.684+/-17.187 χ^2/NDF: 26.0/28

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

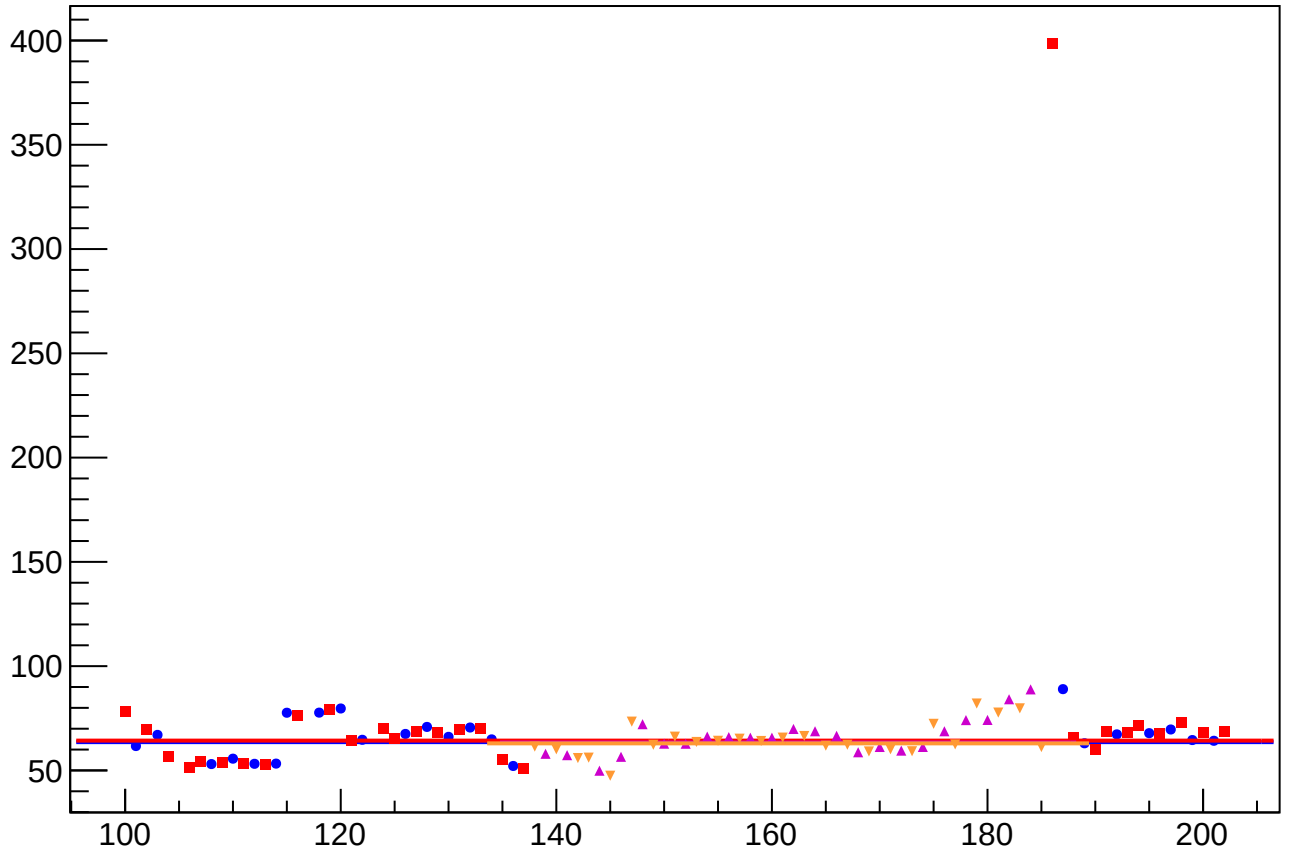
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -2.513+/-12.515 χ^2/NDF: 51.7/51

In: 9.316+/-11.559 χ^2/NDF:42.5/45

Out: -10.097+/-11.052 χ^2/NDF:73.7/53

All: -0.825+/-7.988 χ^2/NDF: 117.6/99



Right In: 63.567+/-0.013 χ^2/NDF: 337370.3/22

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 64.295+/-0.012 χ^2/NDF: 967508.1/28

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

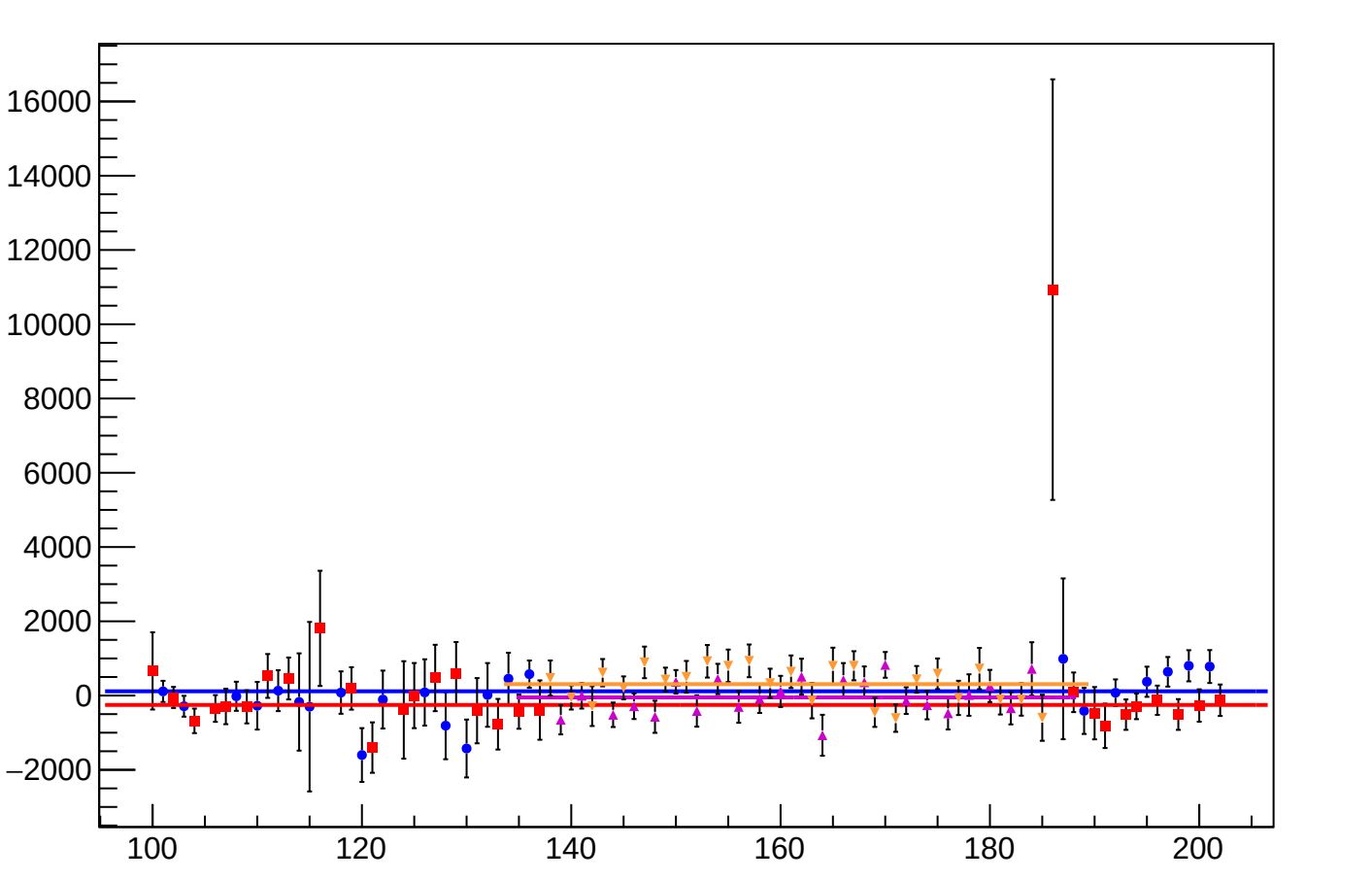
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.953+/-0.009 χ^2/NDF: 1306564.2/51

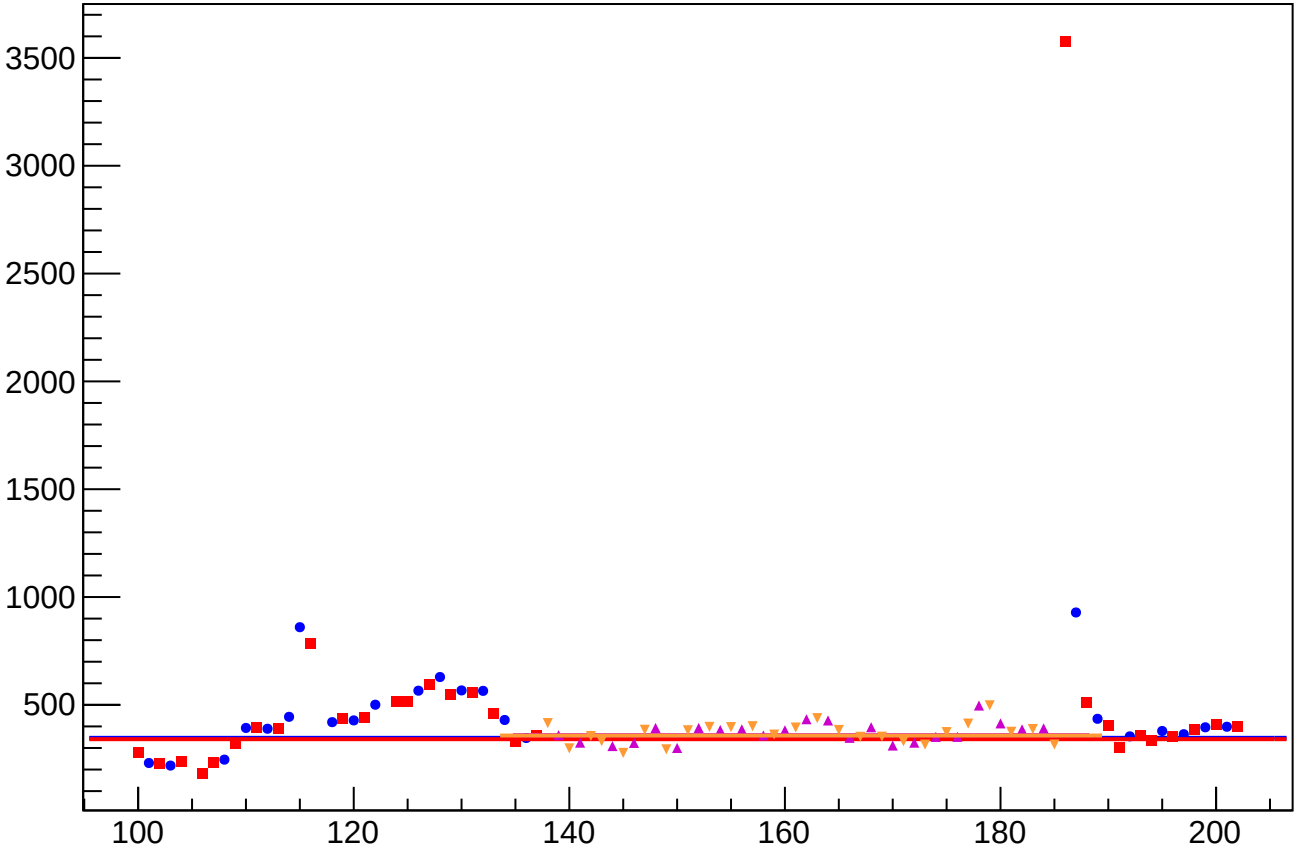
In: 63.446+/-0.008 χ^2/NDF:834442.2/45

Out: 63.521+/-0.008 χ^2/NDF:1501272.6/53

All: 63.485+/-0.006 χ^2/NDF: 2335759.3/99


asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 115.415+/-103.631 χ²/NDF: 23.1/22
Left Out: 307.177+/-82.361 χ²/NDF:30.6/24
Right Out: -252.552+/-94.780 χ²/NDF: 20.5/28
Left In: -50.029+/-84.838 χ²/NDF:27.3/22
Left: 133.864+/-59.094 χ²/NDF: 67.0/47
Right: -84.951+/-69.939 χ²/NDF: 50.4/51
In: 16.359+/-65.646 χ²/NDF:51.9/45
Out: 66.360+/-62.168 χ²/NDF:71.0/53
All: 42.719+/-45.139 χ²/NDF: 123.2/99

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 347.049+/-0.073 χ^2/NDF: 2040893.2/22

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 340.805+/-0.067 χ^2/NDF: 2891188.4/28

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

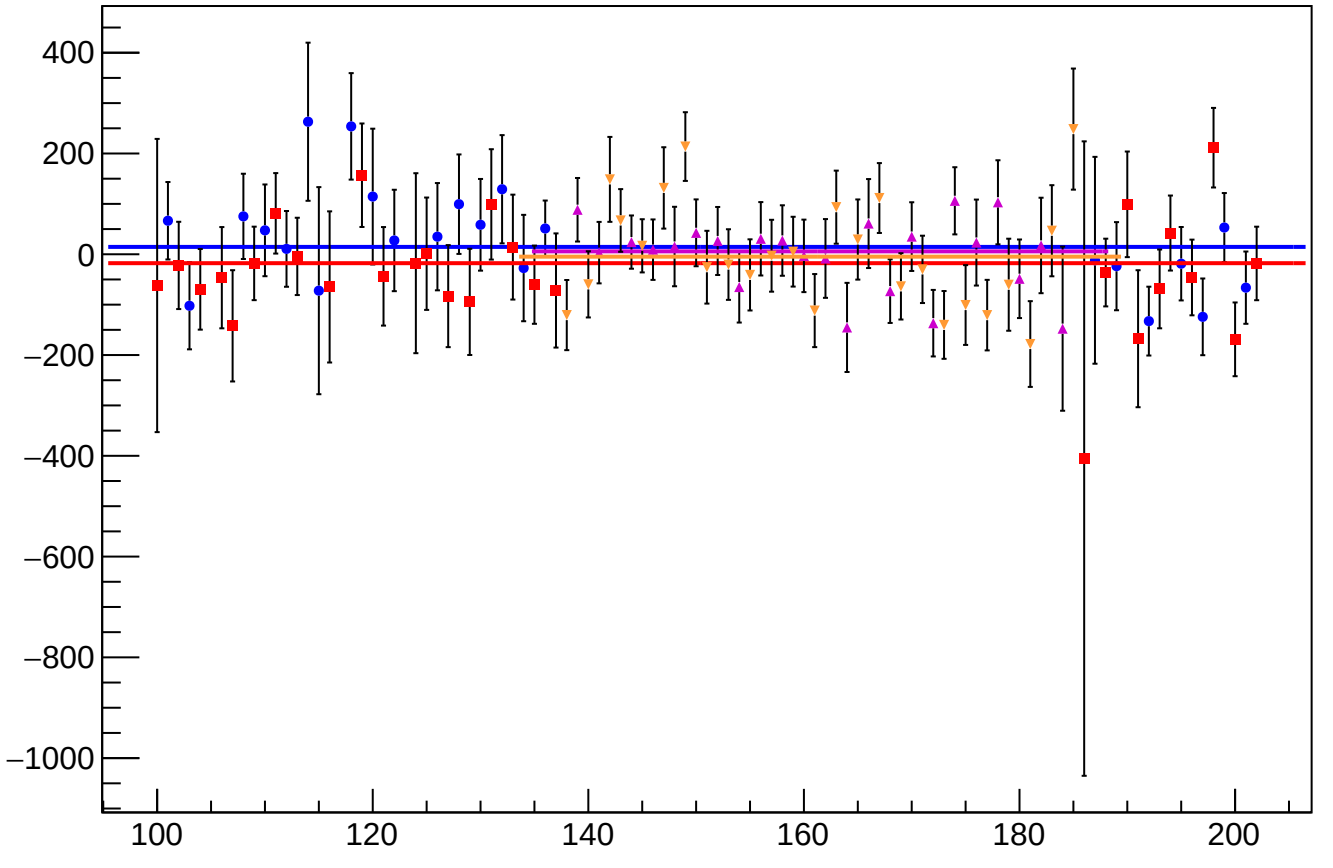
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 343.649+/-0.049 χ^2/NDF: 4936035.1/51

In: 354.414+/-0.046 χ^2/NDF:2577527.9/45

Out: 350.449+/-0.044 χ^2/NDF:3611258.2/53

All: 352.324+/-0.032 χ^2/NDF: 6192632.4/99



Right In: 14.613+/-18.260 χ^2/NDF: 24.0/22

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.684+/-17.187 χ^2/NDF: 26.0/28

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

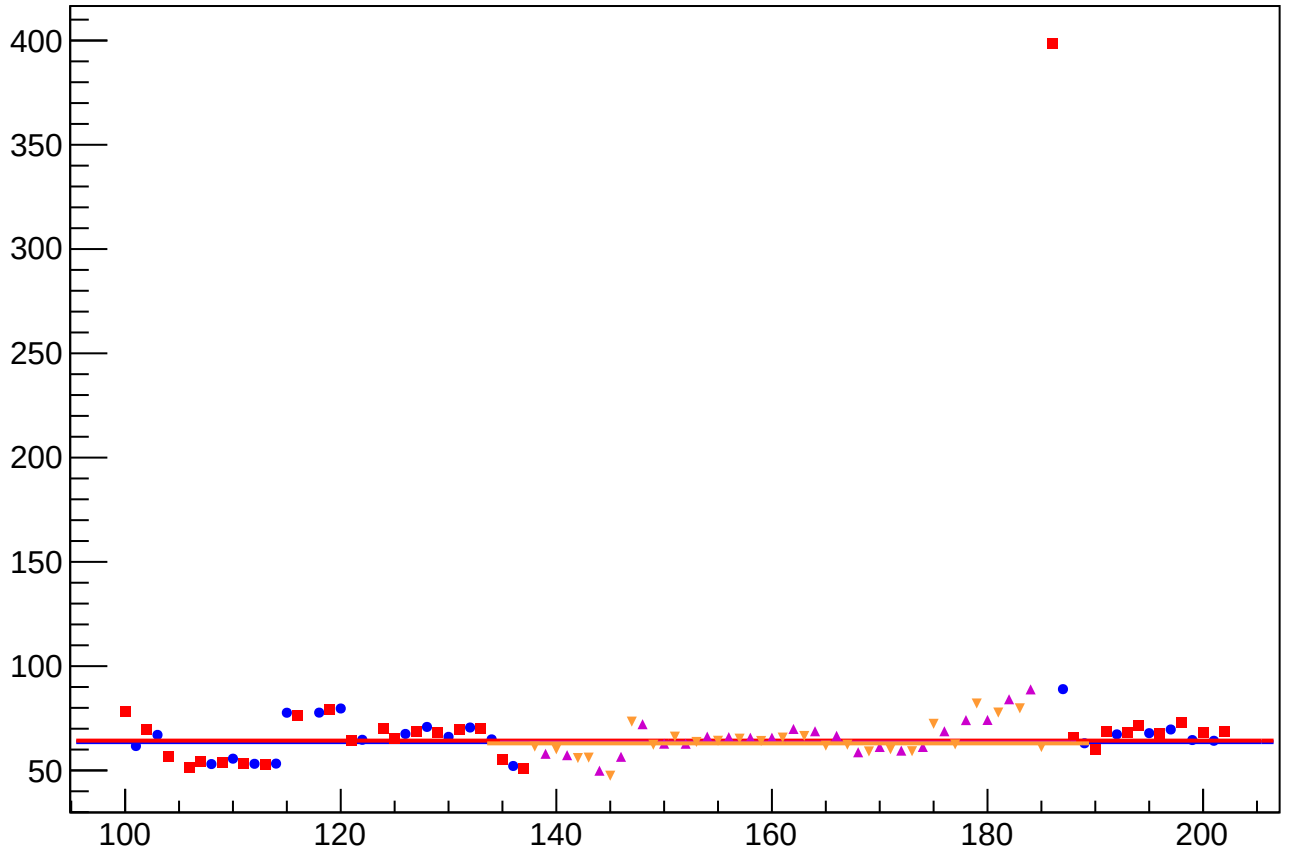
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -2.513+/-12.515 χ^2/NDF: 51.7/51

In: 9.316+/-11.559 χ^2/NDF:42.5/45

Out: -10.097+/-11.052 χ^2/NDF:73.7/53

All: -0.825+/-7.988 χ^2/NDF: 117.6/99



Right In: 63.567+/-0.013 χ^2/NDF: 337370.3/22

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 64.295+/-0.012 χ^2/NDF: 967508.1/28

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

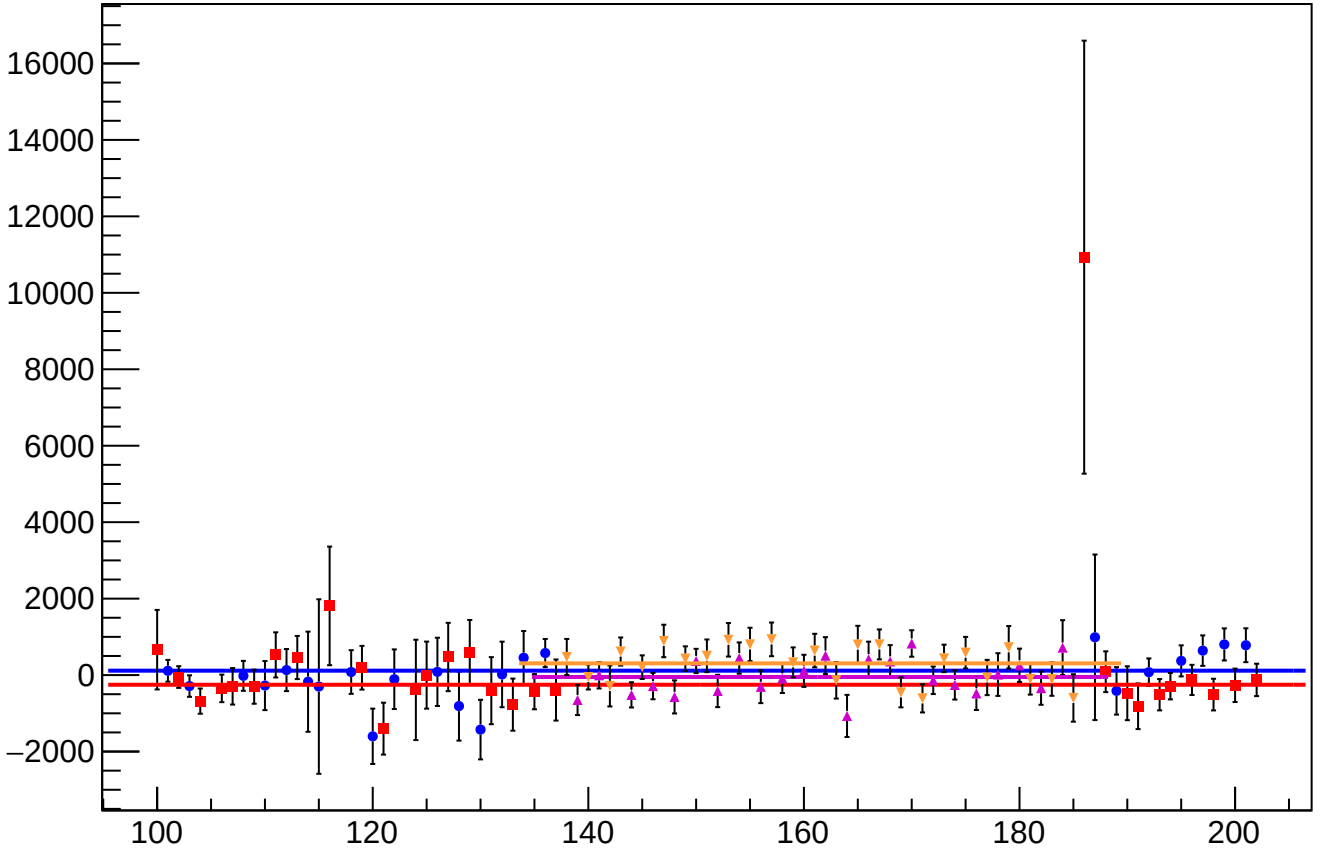
Right: 63.953+/-0.009 χ^2/NDF: 1306564.2/51

In: 63.446+/-0.008 χ^2/NDF:834442.2/45

Out: 63.521+/-0.008 χ^2/NDF:1501272.6/53

All: 63.485+/-0.006 χ^2/NDF: 2335759.3/99

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 115.415+/-103.631 χ^2/NDF: 23.1/22

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -252.552+/-94.780 χ^2/NDF: 20.5/28

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

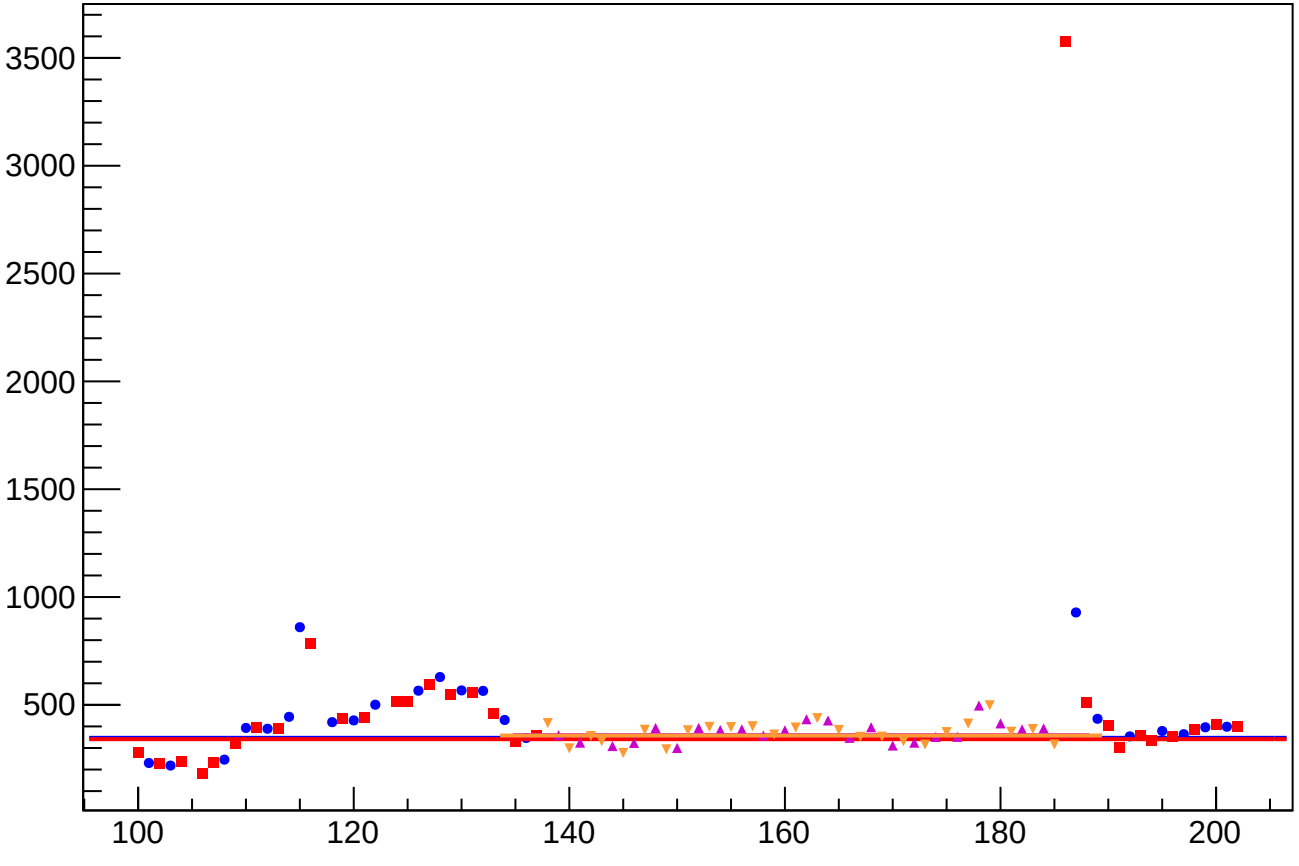
Right: -84.951+/-69.939 χ^2/NDF: 50.4/51

In: 16.359+/-65.646 χ^2/NDF:51.9/45

Out: 66.360+/-62.168 χ^2/NDF:71.0/53

All: 42.719+/-45.139 χ^2/NDF: 123.2/99

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 347.049+/-0.073 χ^2/NDF: 2040893.2/22

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 340.805+/-0.067 χ^2/NDF: 2891188.4/28

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

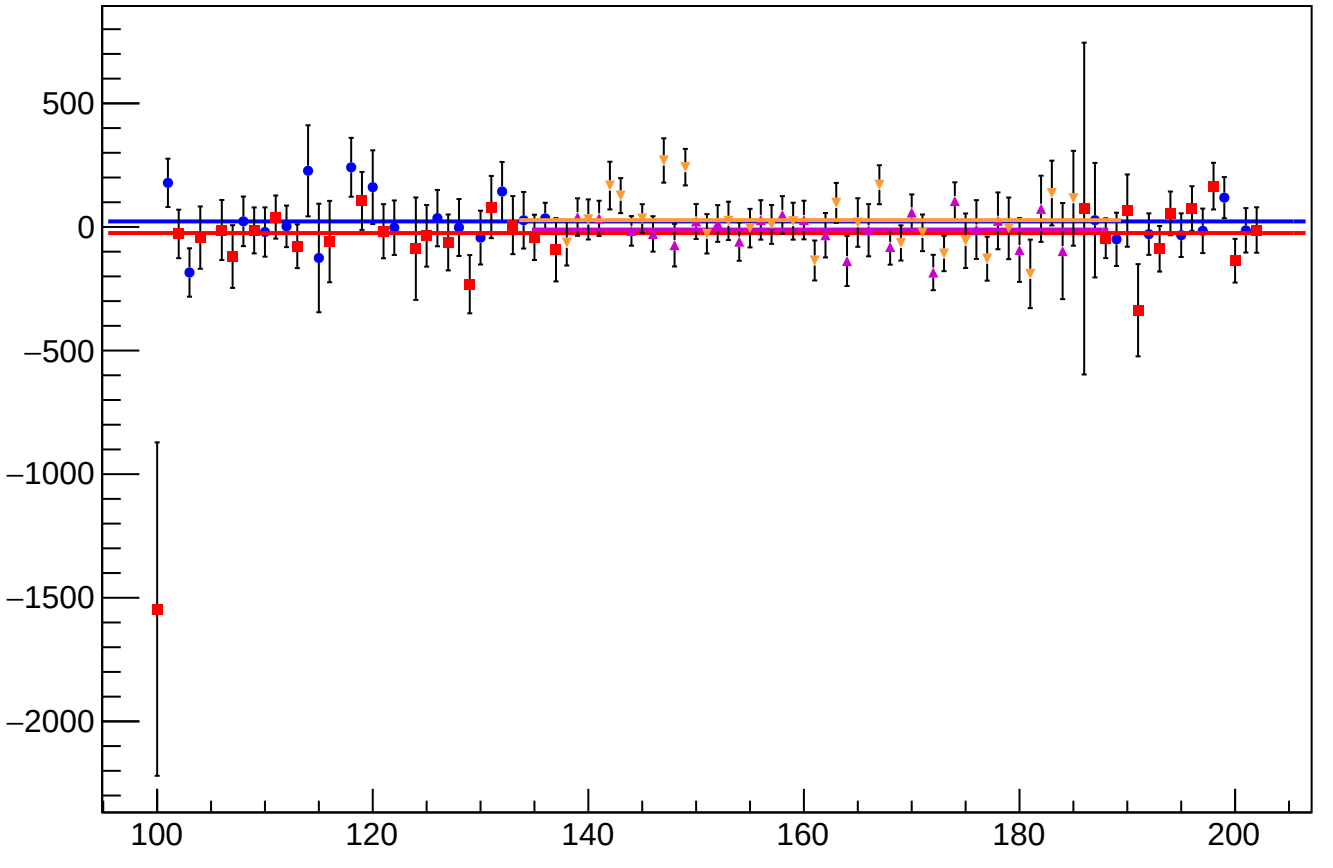
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 343.649+/-0.049 χ^2/NDF: 4936035.1/51

In: 354.414+/-0.046 χ^2/NDF:2577527.9/45

Out: 350.449+/-0.044 χ^2/NDF:3611258.2/53

All: 352.324+/-0.032 χ^2/NDF: 6192632.4/99



Right In: 22.385+/-21.320 χ^2/NDF: 17.6/22

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -24.647+/-20.506 χ^2/NDF: 23.7/28

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

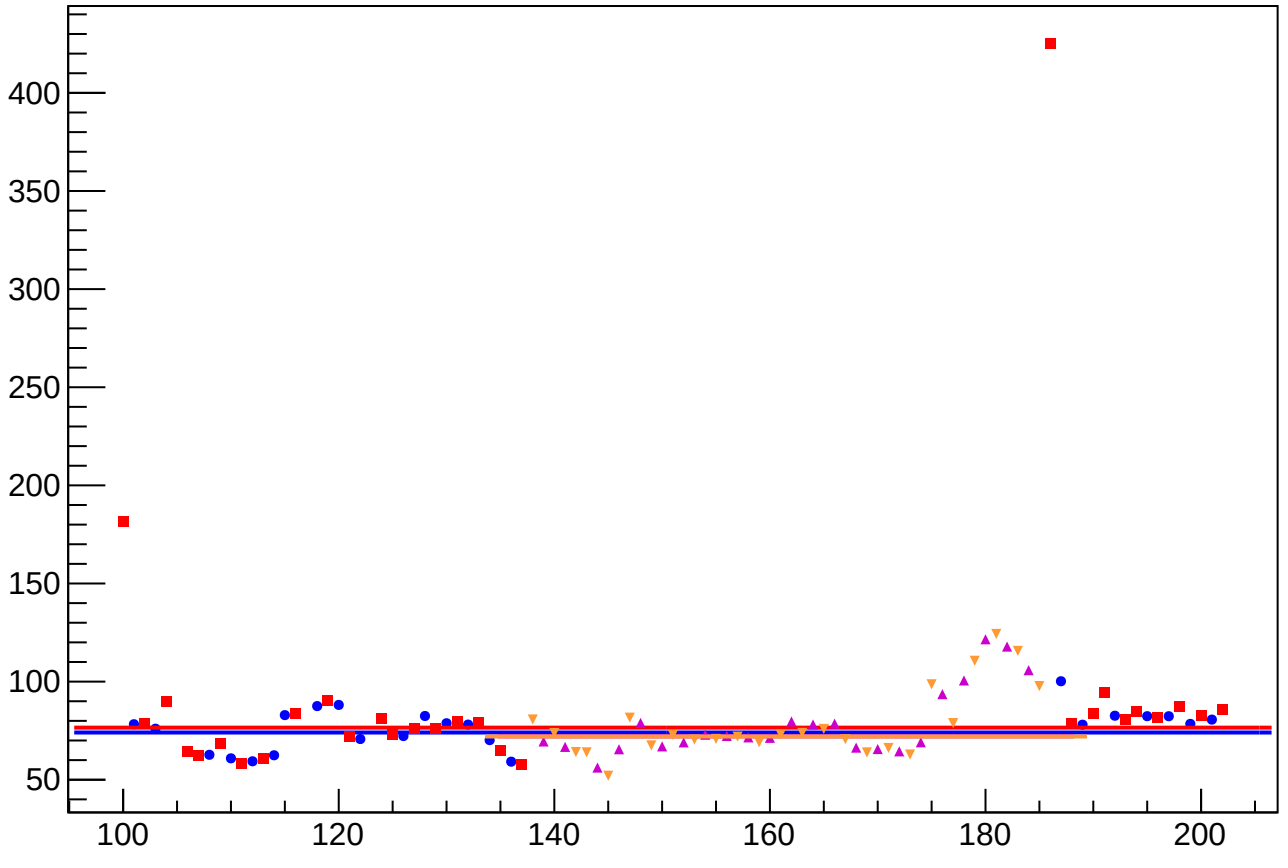
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -2.046+/-14.779 χ^2/NDF: 43.8/51

In: 2.475+/-13.398 χ^2/NDF:35.1/45

Out: 6.718+/-12.969 χ^2/NDF:69.9/53

All: 4.666+/-9.318 χ^2/NDF: 105.1/99



Right In: 74.066+/-0.015 χ^2/NDF: 412864.5/22

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 76.550+/-0.014 χ^2/NDF: 1045893.9/28

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

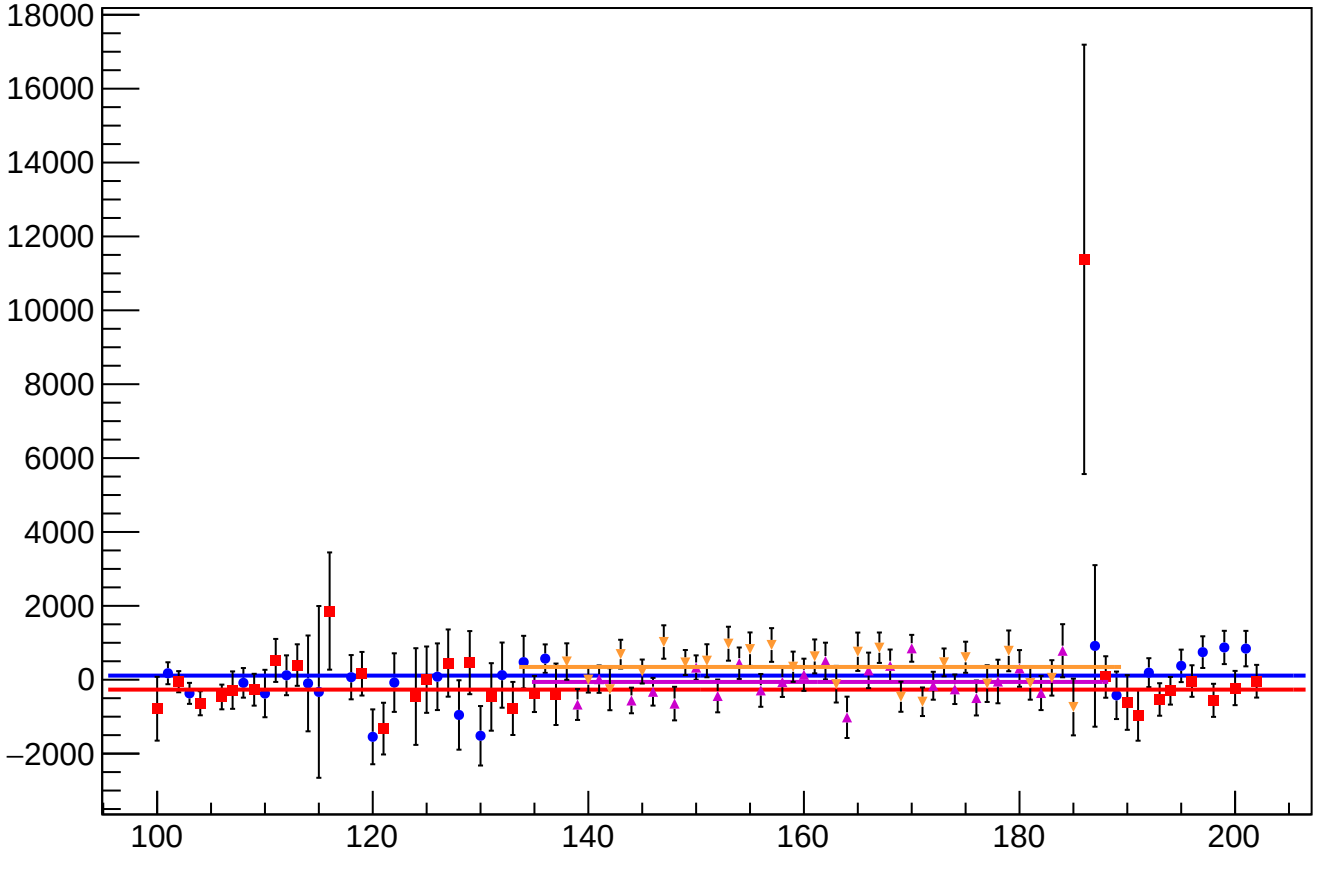
Right: 75.356+/-0.010 χ^2/NDF: 1472862.0/51

In: 72.872+/-0.009 χ^2/NDF:1482092.9/45

Out: 73.844+/-0.009 χ^2/NDF:2373394.5/53

All: 73.374+/-0.007 χ^2/NDF: 3860929.0/99

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 111.577+/-108.037 χ^2/NDF: 24.5/22

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -267.439+/-97.380 χ^2/NDF: 19.5/28

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

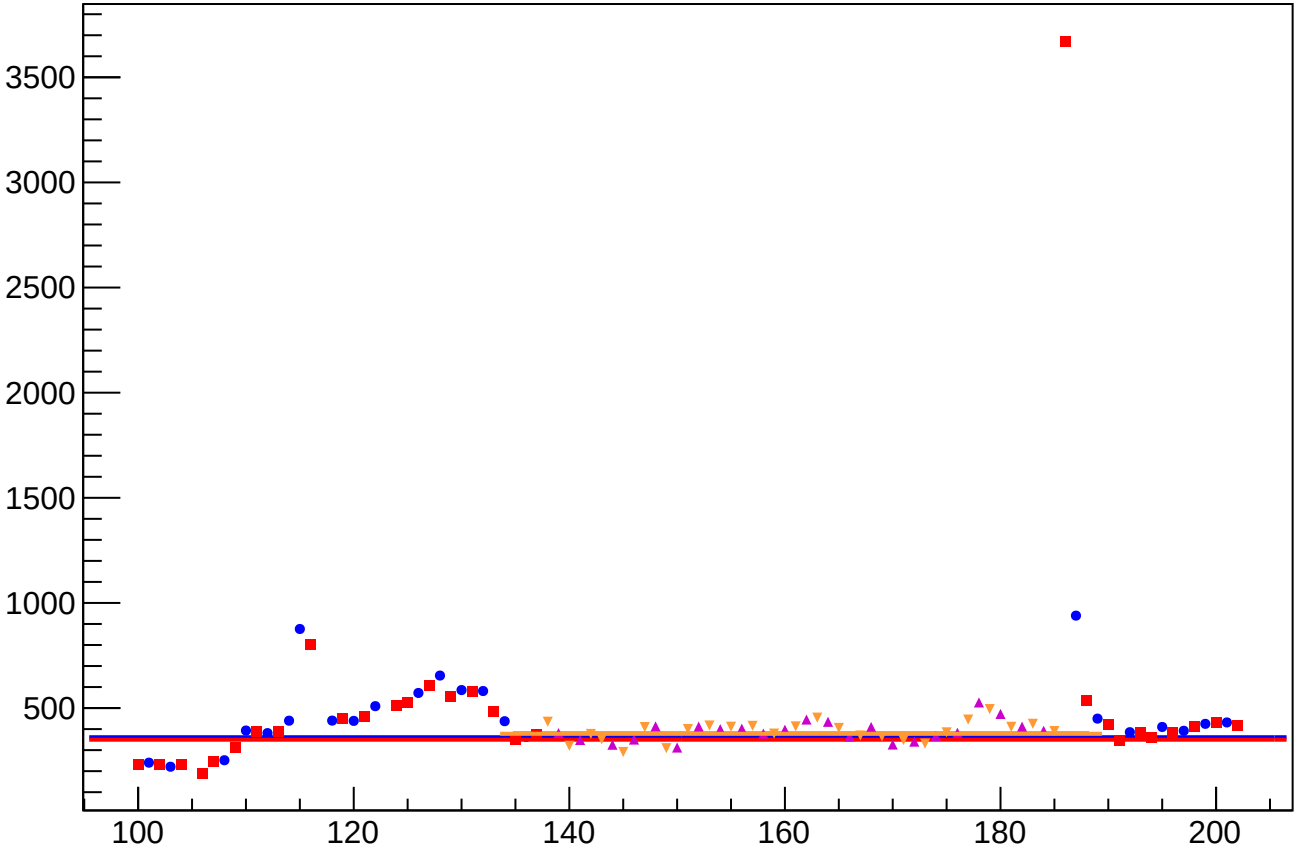
Right: -97.541+/-72.333 χ^2/NDF: 50.8/51

In: 9.801+/-68.881 χ^2/NDF:51.8/45

Out: 74.310+/-64.805 χ^2/NDF:70.6/53

All: 44.021+/-47.199 χ^2/NDF: 122.8/99

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 361.410+/-0.076 χ^2/NDF: 2115704.6/22

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 349.484+/-0.069 χ^2/NDF: 3151605.5/28

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

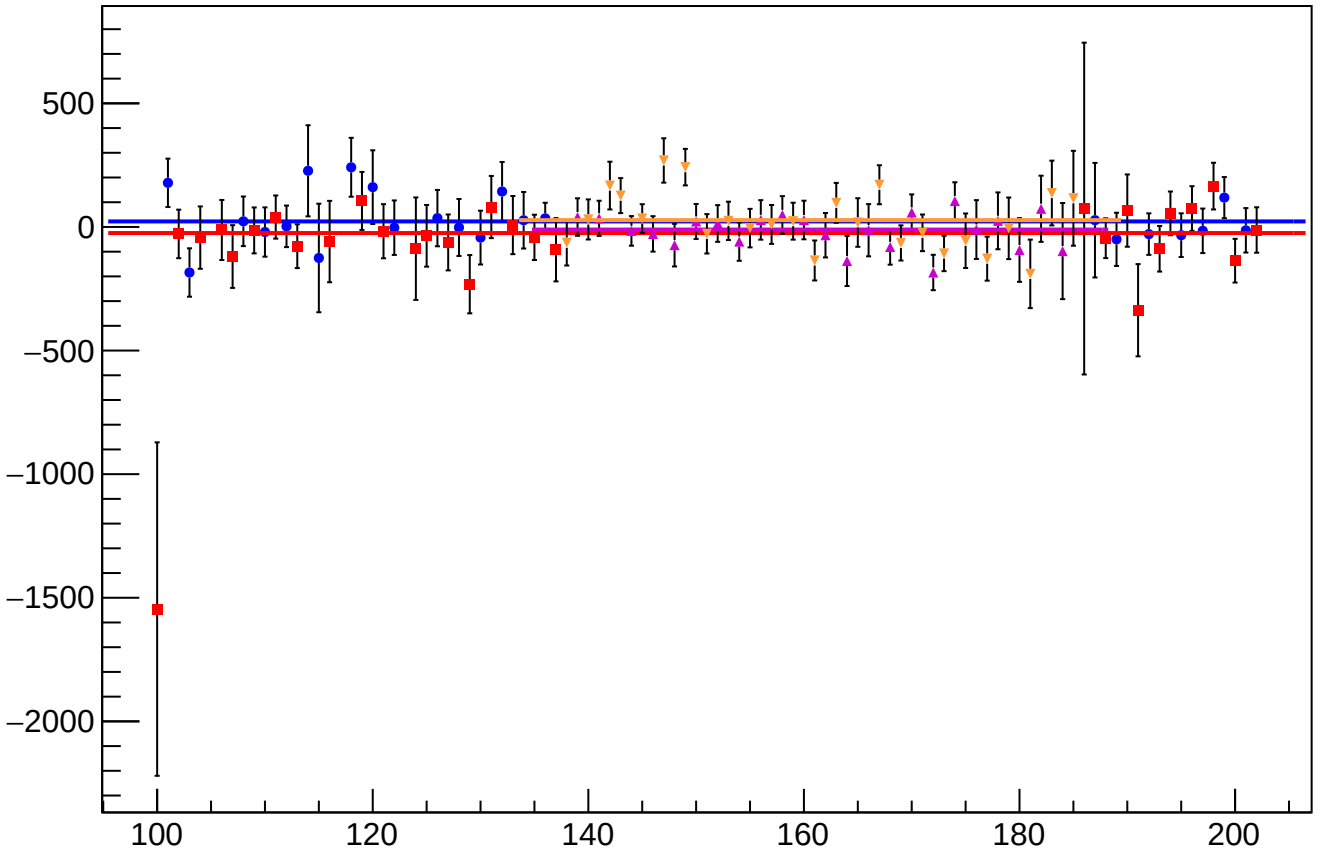
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 354.830+/-0.051 χ^2/NDF: 5280757.1/51

In: 371.772+/-0.049 χ^2/NDF:2674388.8/45

Out: 365.258+/-0.046 χ^2/NDF:3882511.5/53

All: 368.316+/-0.033 χ^2/NDF: 6566389.4/99



Right In: 22.384+/-21.320 χ^2/NDF: 17.6/22

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -24.647+/-20.506 χ^2/NDF: 23.7/28

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

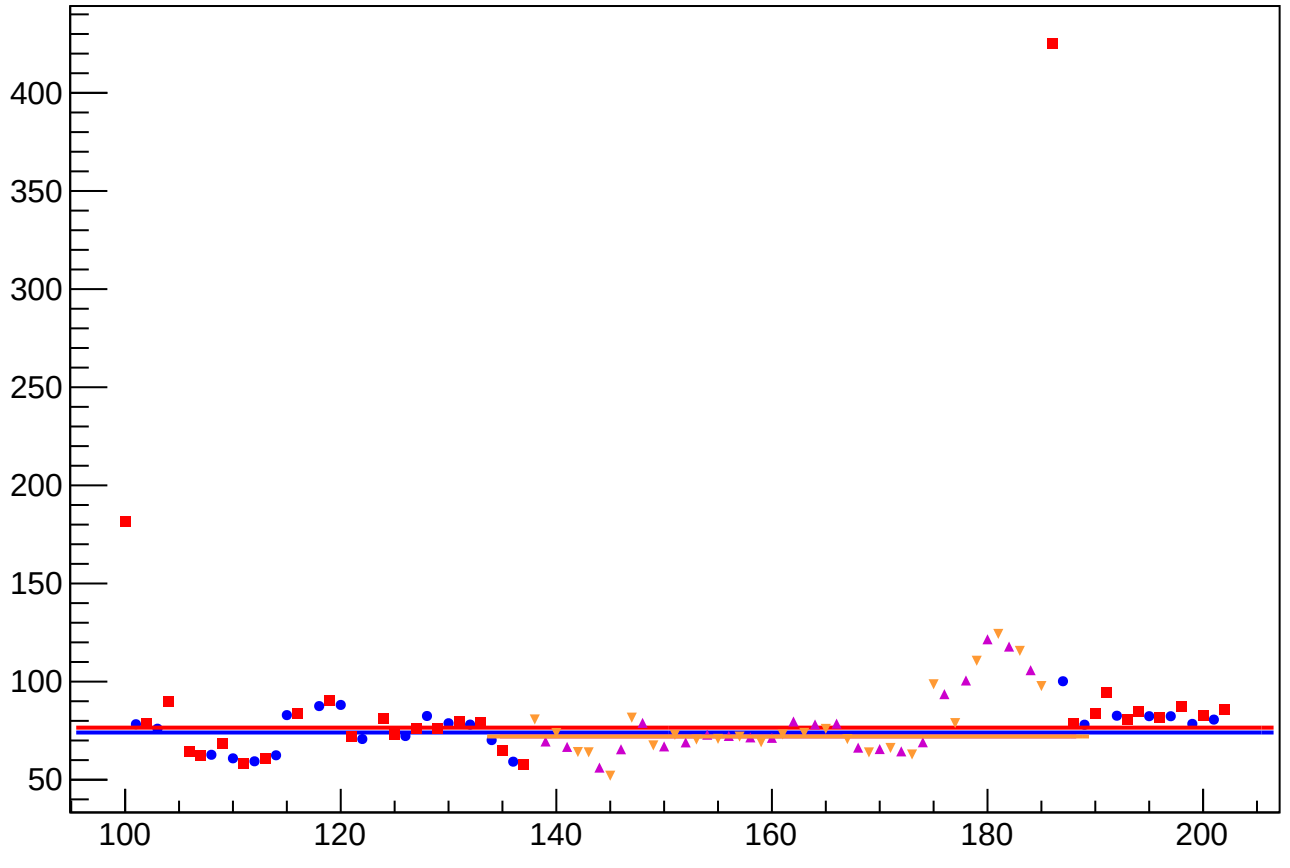
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -2.046+/-14.779 χ^2/NDF: 43.8/51

In: 2.475+/-13.398 χ^2/NDF:35.1/45

Out: 6.718+/-12.969 χ^2/NDF:69.9/53

All: 4.666+/-9.318 χ^2/NDF: 105.1/99



Right In: 74.066+/-0.015 χ^2/NDF: 412860.0/22

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 76.550+/-0.014 χ^2/NDF: 1045891.9/28

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

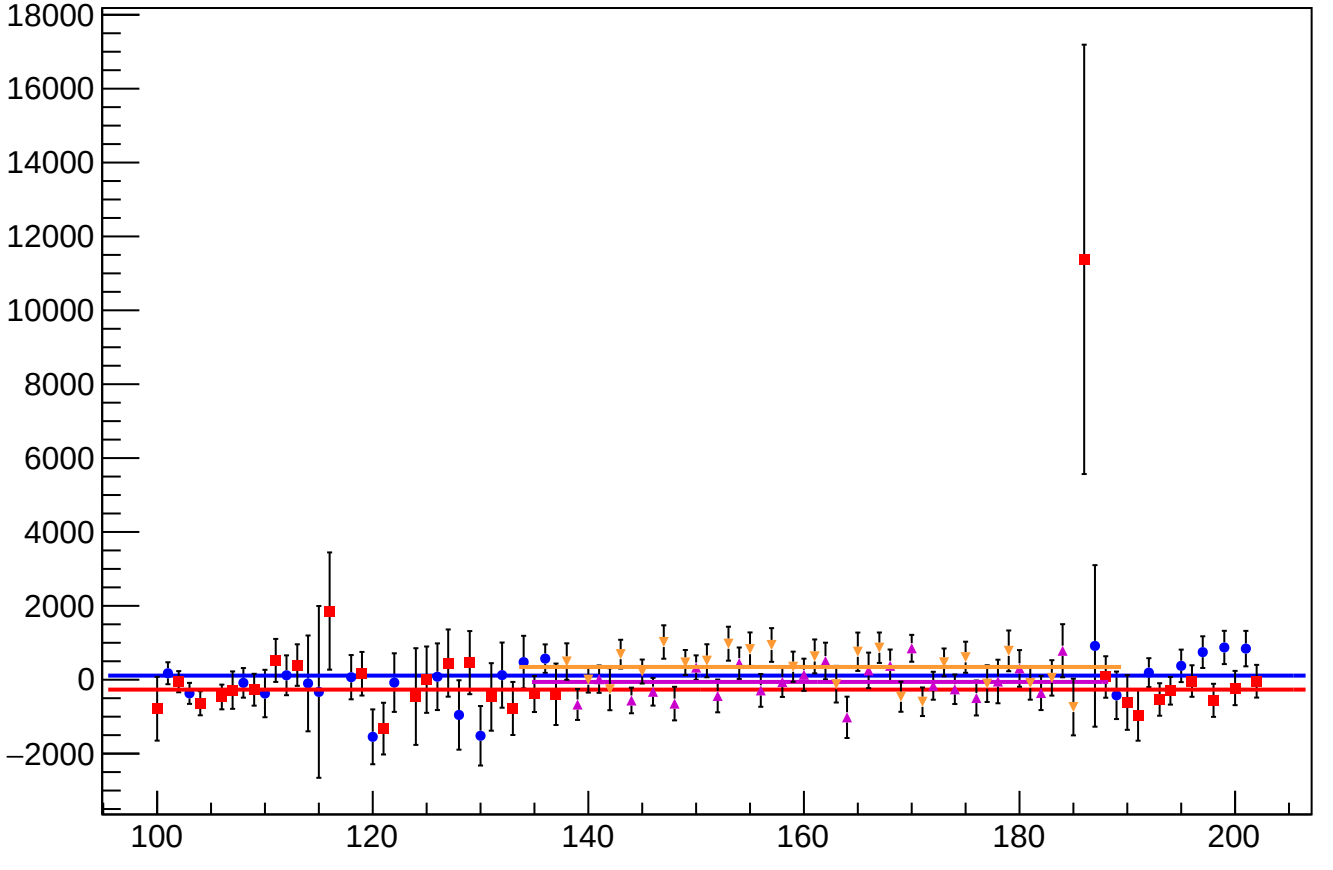
Right: 75.356+/-0.010 χ^2/NDF: 1472854.7/51

In: 72.872+/-0.009 χ^2/NDF:1482079.0/45

Out: 73.844+/-0.009 χ^2/NDF:2373399.3/53

All: 73.374+/-0.007 χ^2/NDF: 3860919.7/99

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 111.576+/-108.037 χ^2/NDF: 24.5/22

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -267.439+/-97.380 χ^2/NDF: 19.5/28

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

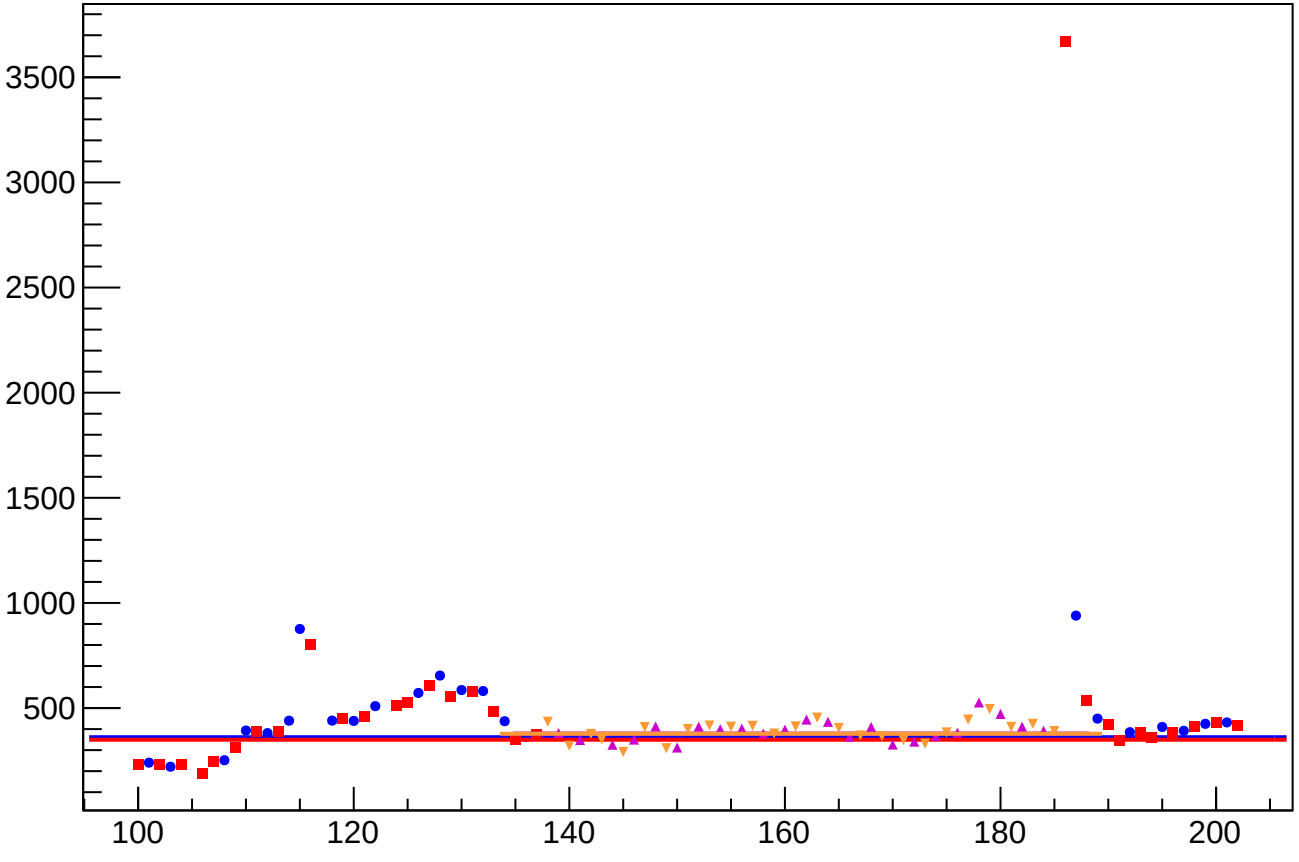
Right: -97.542+/-72.333 χ^2/NDF: 50.8/51

In: 9.801+/-68.881 χ^2/NDF:51.8/45

Out: 74.309+/-64.805 χ^2/NDF:70.6/53

All: 44.020+/-47.199 χ^2/NDF: 122.8/99

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 361.410+/-0.076 χ^2/NDF: 2115698.4/22

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 349.484+/-0.069 χ^2/NDF: 3151593.6/28

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

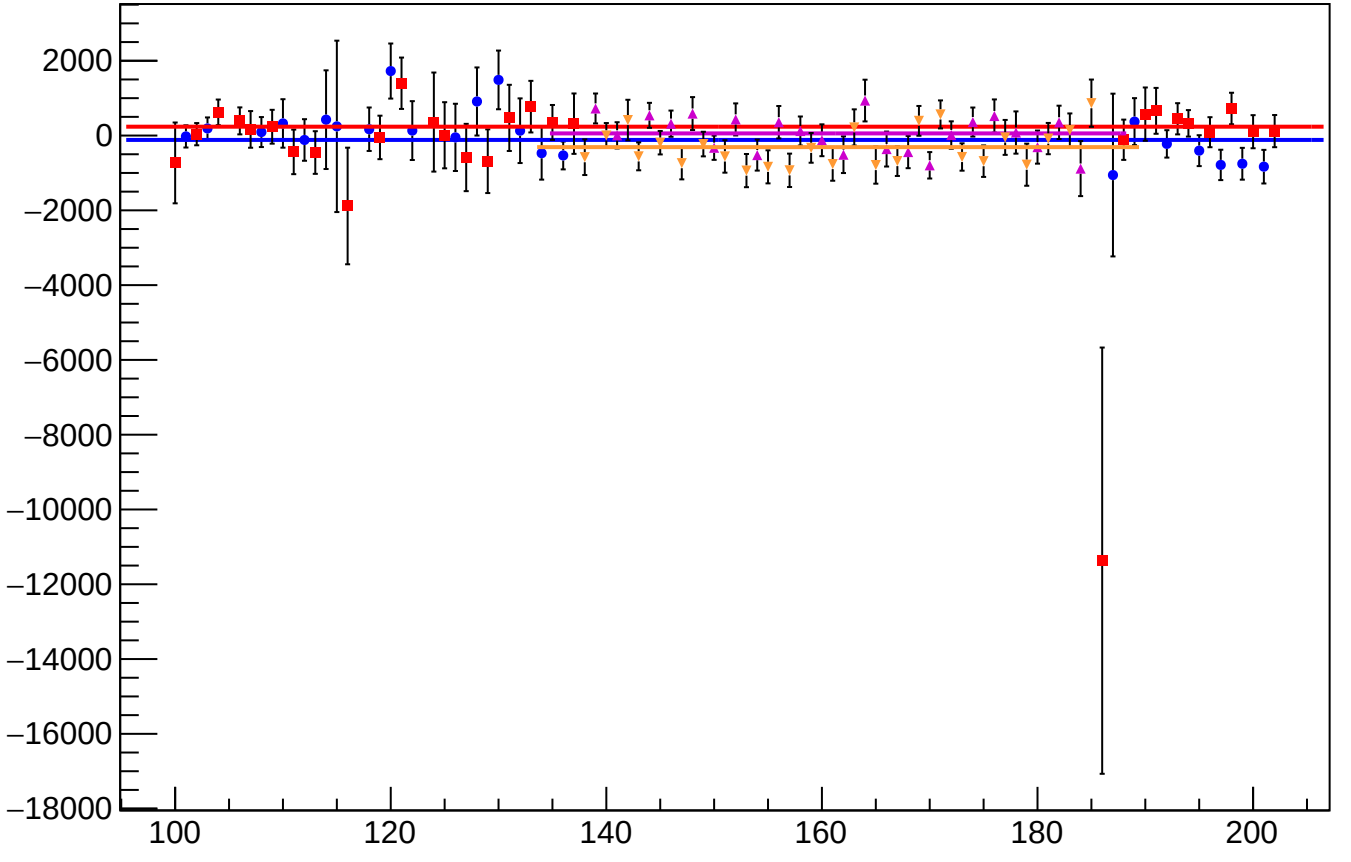
Right: 354.830+/-0.051 χ^2/NDF: 5280739.6/51

In: 371.772+/-0.049 χ^2/NDF:2674377.3/45

Out: 365.257+/-0.046 χ^2/NDF:3882498.7/53

All: 368.316+/-0.033 χ^2/NDF: 6566365.6/99

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -116.849+/-105.940 χ^2/NDF: 24.6/22

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 236.994+/-96.698 χ^2/NDF: 20.5/28

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

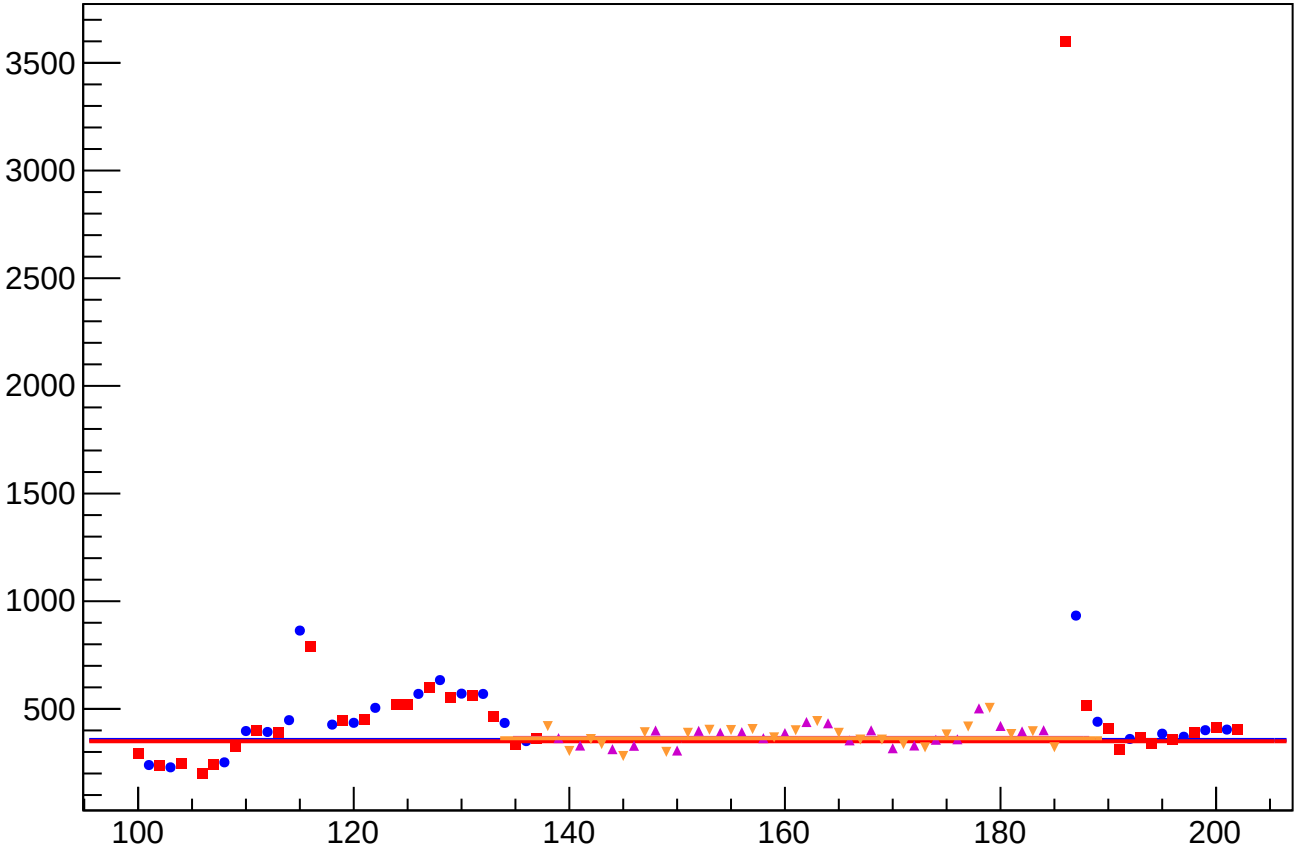
Right: 76.177+/-71.420 χ^2/NDF: 51.2/51

In: -11.947+/-66.874 χ^2/NDF:54.2/45

Out: -75.309+/-63.287 χ^2/NDF:68.7/53

All: -45.373+/-45.967 χ^2/NDF: 123.4/99

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 355.894+/-0.075 χ^2/NDF: 1898639.4/22

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 349.724+/-0.068 χ^2/NDF: 2707887.8/28

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

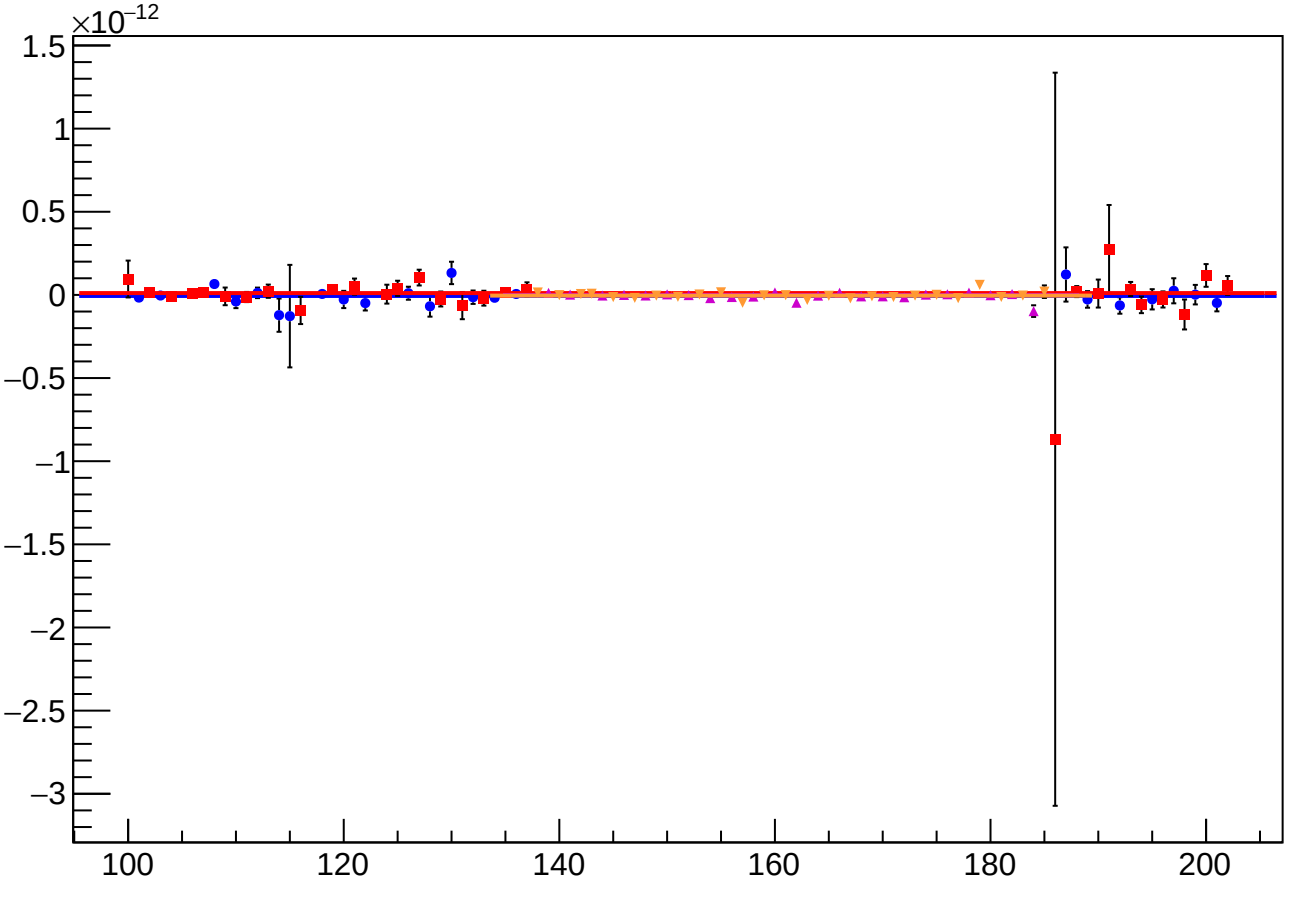
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 352.528+/-0.051 χ^2/NDF: 4610227.9/51

In: 361.566+/-0.047 χ^2/NDF:2417668.8/45

Out: 357.721+/-0.045 χ^2/NDF:3401064.8/53

All: 359.538+/-0.033 χ^2/NDF: 5822221.4/99



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/28

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

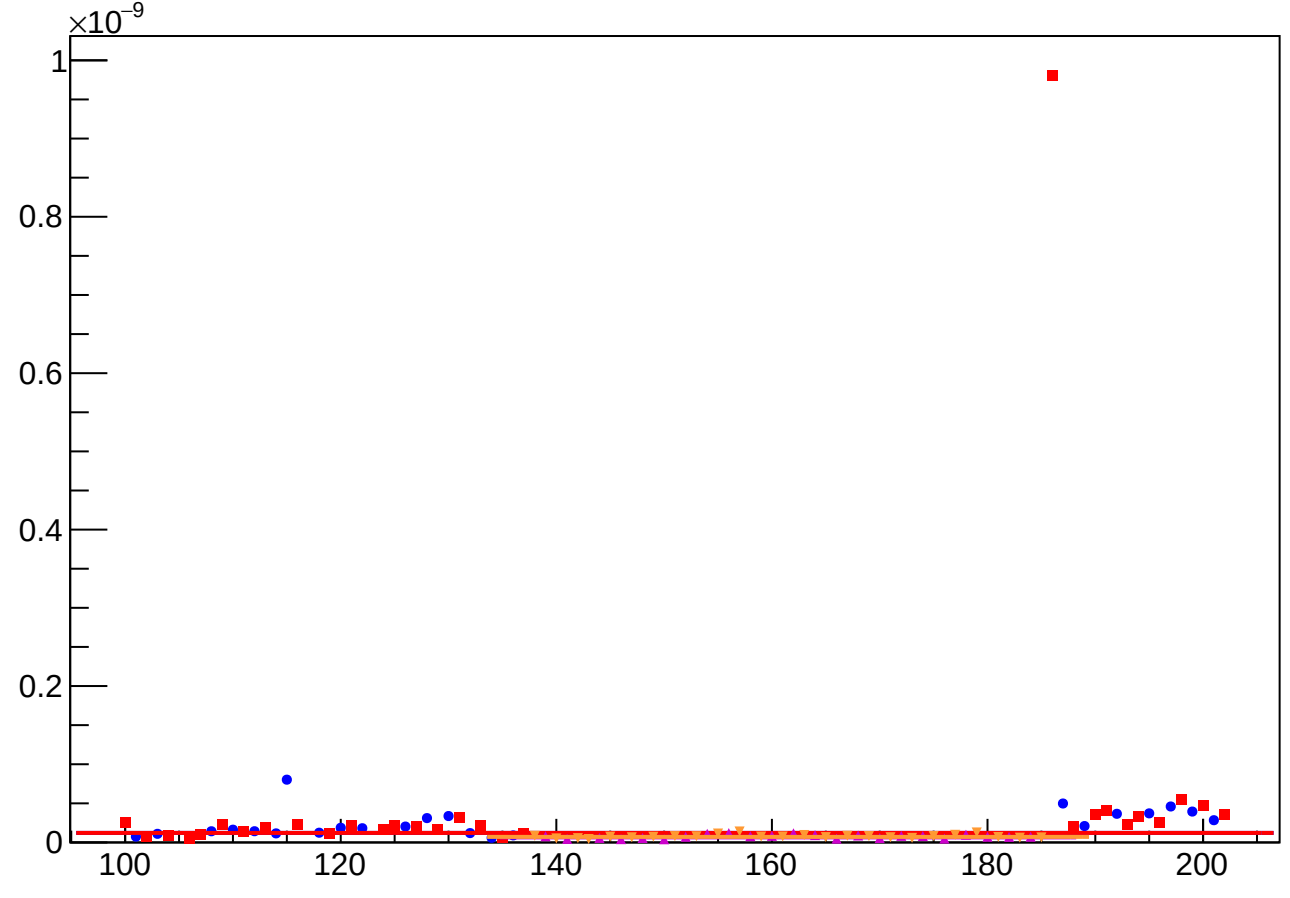
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 45.4/51

In: -0.000+/-0.000 χ^2/NDF:42.0/45

Out: -0.000+/-0.000 χ^2/NDF:48.9/53

All: -0.000+/-0.000 χ^2/NDF: 90.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 3360431.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4313616.3/28

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

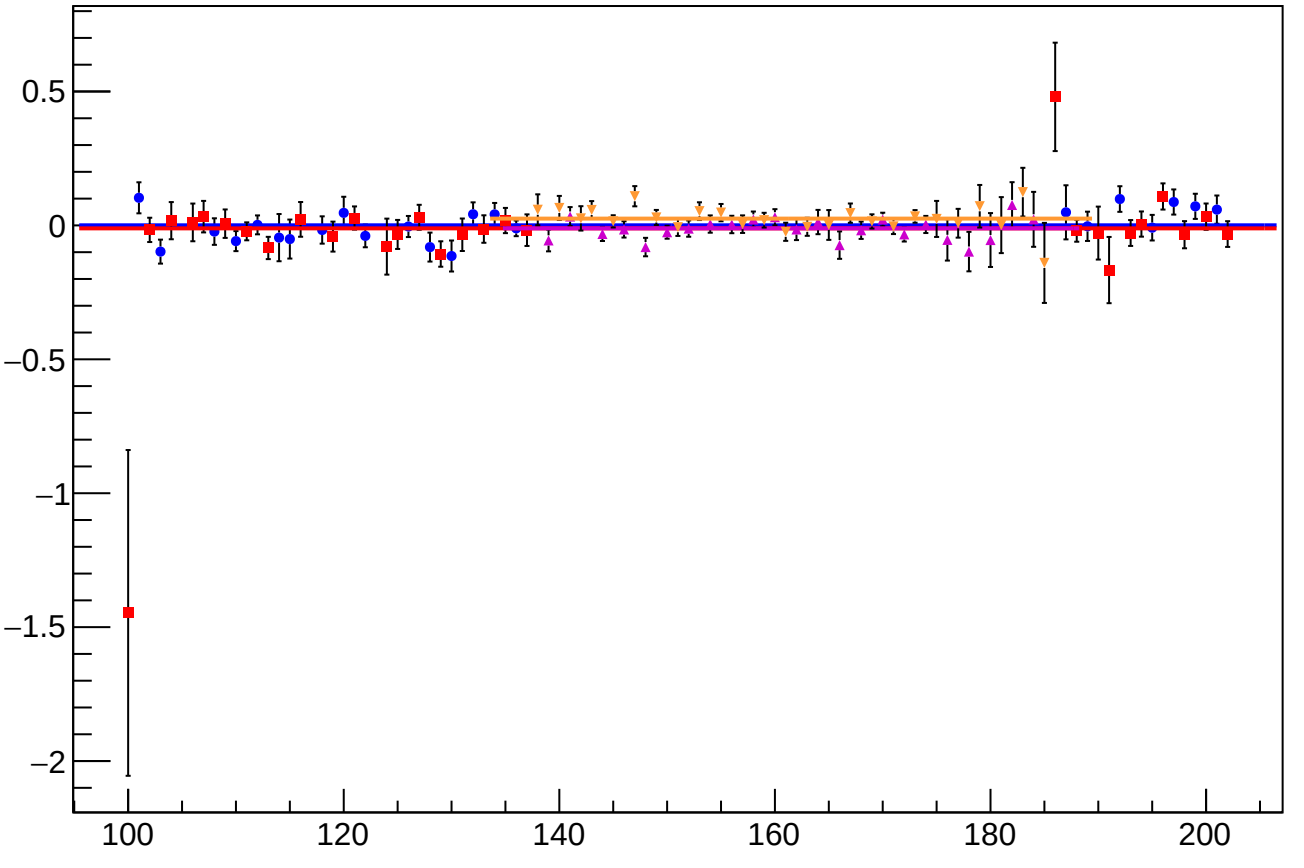
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7674052.1/51

In: 0.000+/-0.000 χ^2/NDF:6025968.6/45

Out: 0.000+/-0.000 χ^2/NDF:6358678.4/53

All: 0.000+/-0.000 χ^2/NDF: 12447118.1/99



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

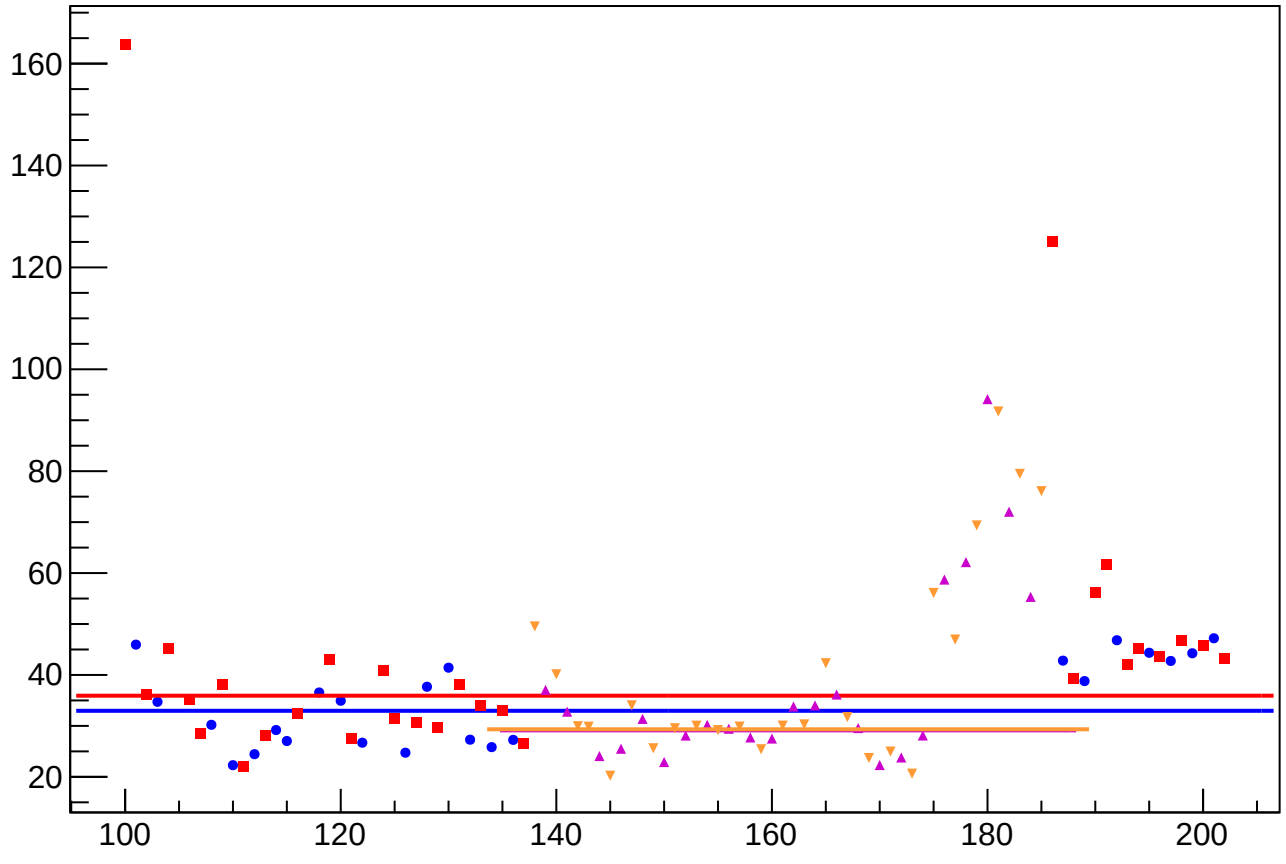
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.005+/-0.007 χ^2/NDF: 65.3/51

In: -0.007+/-0.006 χ^2/NDF:52.4/45

Out: 0.013+/-0.006 χ^2/NDF:58.3/53

All: 0.003+/-0.004 χ^2/NDF: 116.5/99



Right In: 32.966+/-0.007 χ^2/NDF: 1443663.6/22

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.929+/-0.007 χ^2/NDF: 1776880.3/28

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

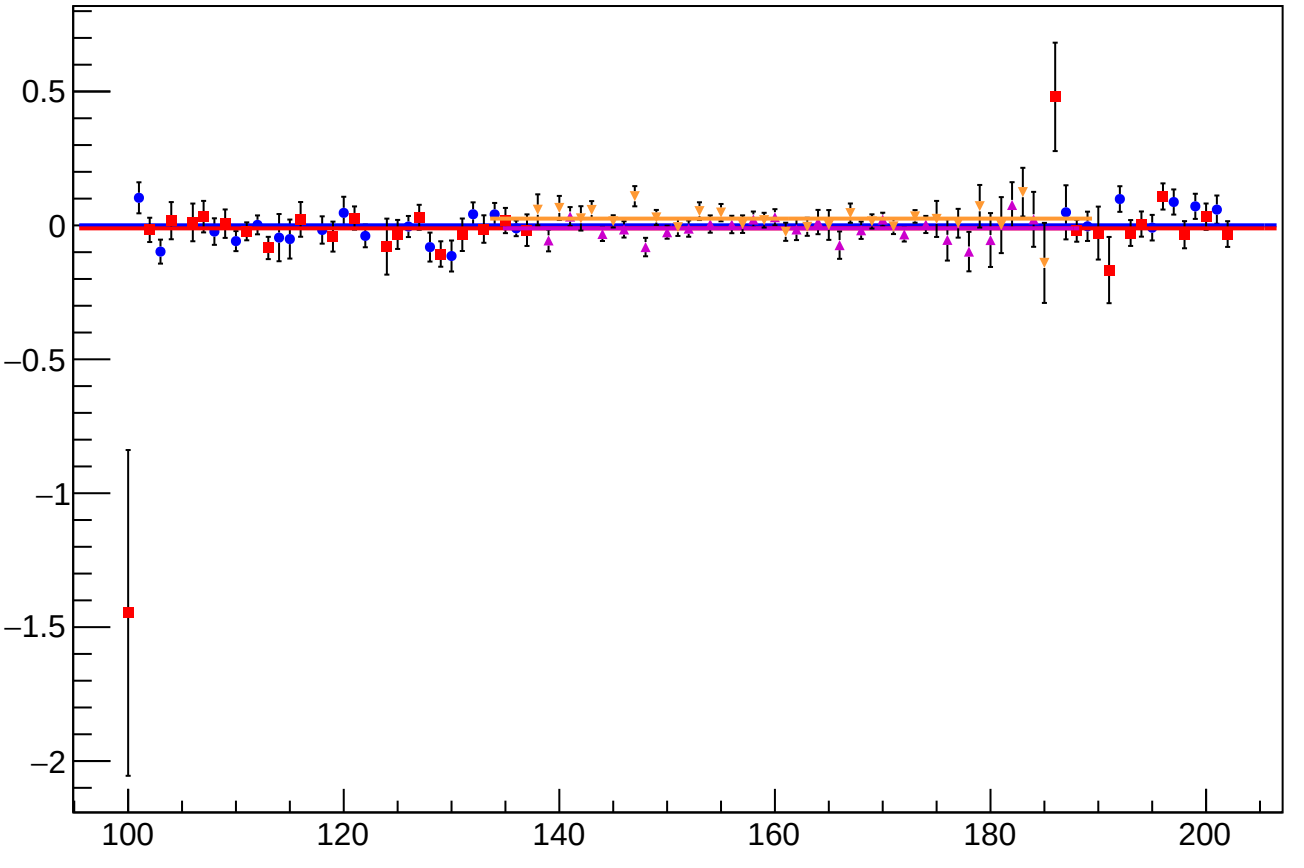
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.434+/-0.005 χ^2/NDF: 3310559.5/51

In: 30.489+/-0.004 χ^2/NDF:4479617.2/45

Out: 31.600+/-0.004 χ^2/NDF:6231478.3/53

All: 31.048+/-0.003 χ^2/NDF: 10747334.4/99



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

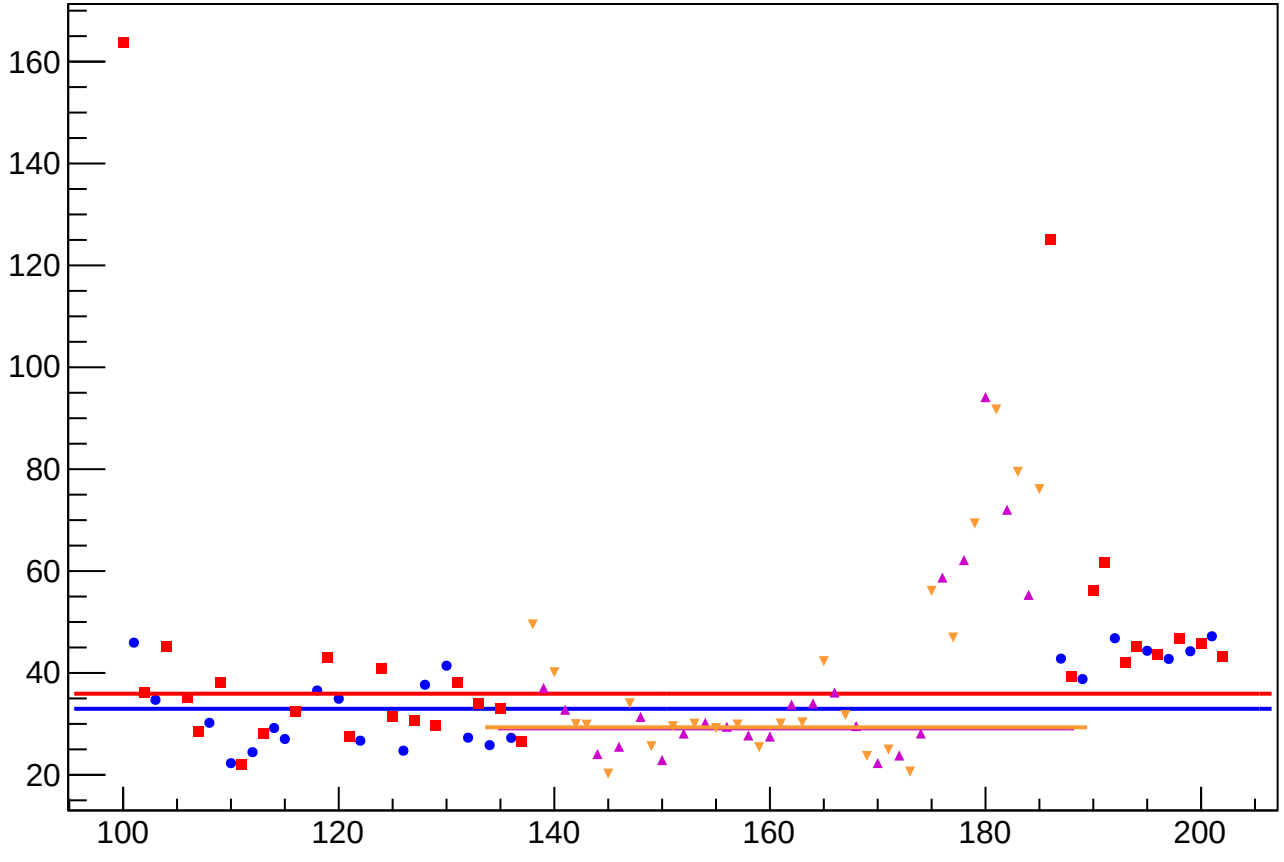
Right: -0.005+/-0.007 χ^2/NDF: 65.3/51

In: -0.007+/-0.006 χ^2/NDF:52.4/45

Out: 0.013+/-0.006 χ^2/NDF:58.3/53

All: 0.003+/-0.004 χ^2/NDF: 116.5/99

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.966+/-0.007 χ^2/NDF: 1443663.6/22

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.929+/-0.007 χ^2/NDF: 1776880.3/28

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

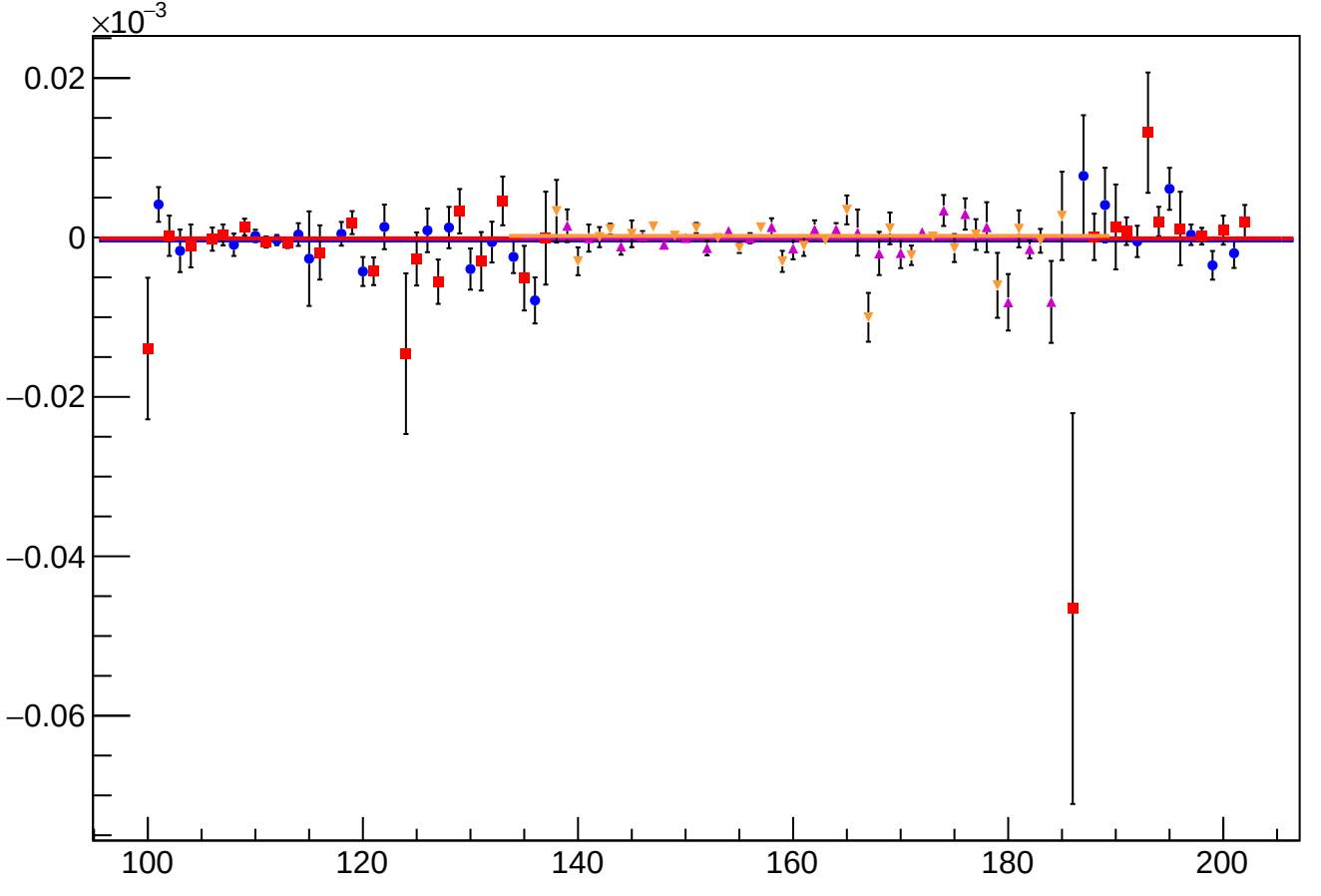
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.434+/-0.005 χ^2/NDF: 3310559.5/51

In: 30.489+/-0.004 χ^2/NDF:4479617.2/45

Out: 31.600+/-0.004 χ^2/NDF:6231478.3/53

All: 31.048+/-0.003 χ^2/NDF: 10747334.4/99



Right In: -0.000+/-0.000 χ^2/NDF: 33.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/28

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

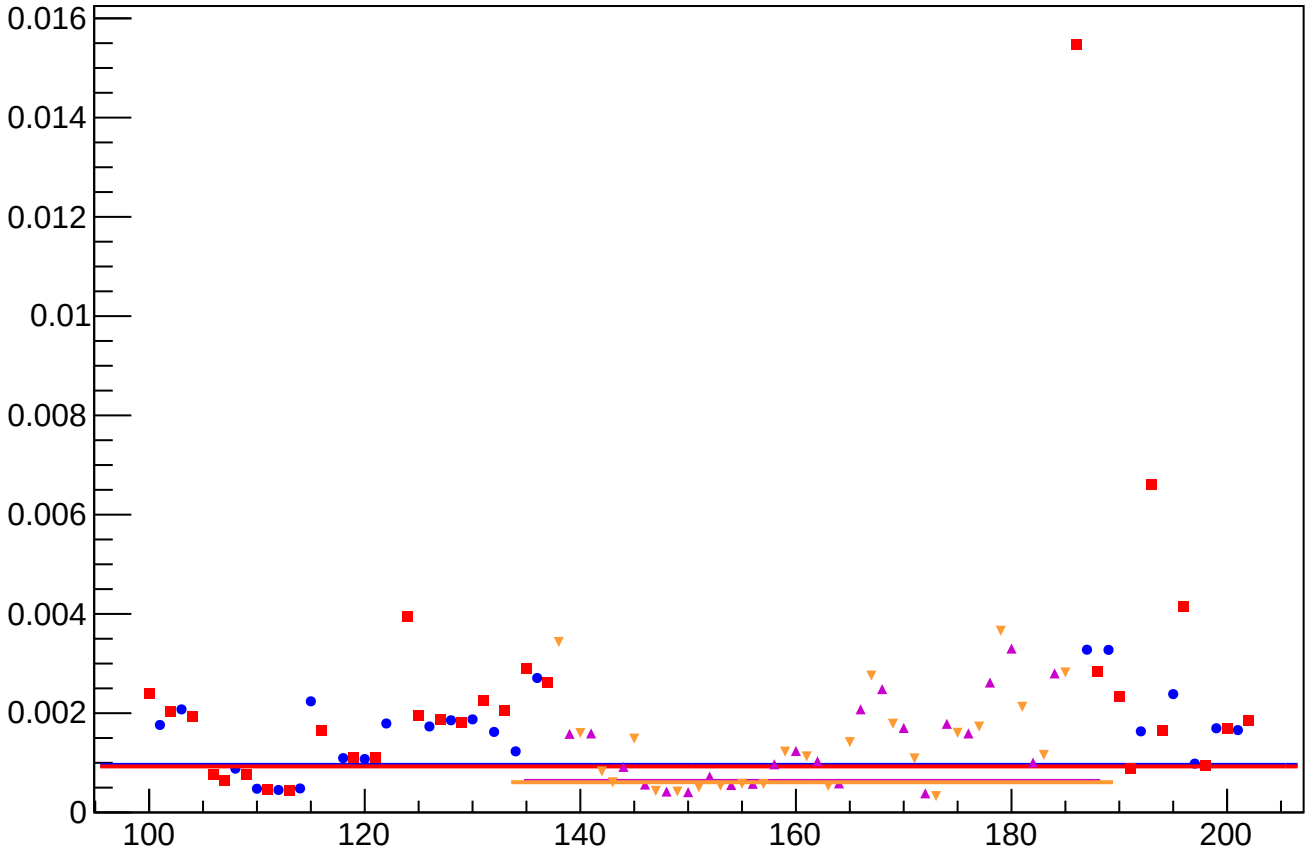
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 69.3/51

In: -0.000+/-0.000 χ^2/NDF:67.3/45

Out: 0.000+/-0.000 χ^2/NDF:89.0/53

All: 0.000+/-0.000 χ^2/NDF: 157.3/99



Right In: 0.001+/-0.000 χ^2/NDF: 6834603.9/22

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9837034.8/28

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

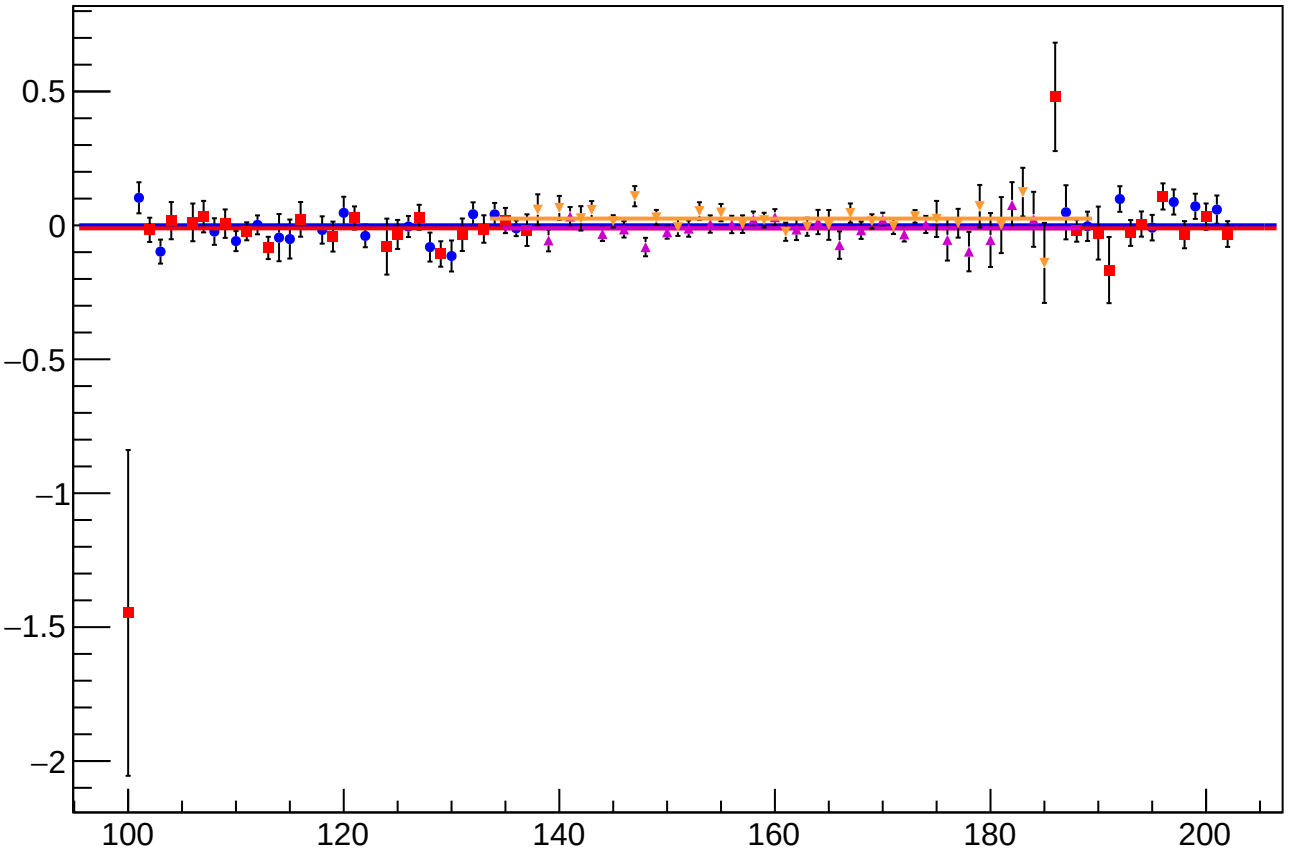
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 16680920.2/51

In: 0.001+/-0.000 χ^2/NDF:17658933.3/45

Out: 0.001+/-0.000 χ^2/NDF:22440721.1/53

All: 0.001+/-0.000 χ^2/NDF: 40129197.8/99



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

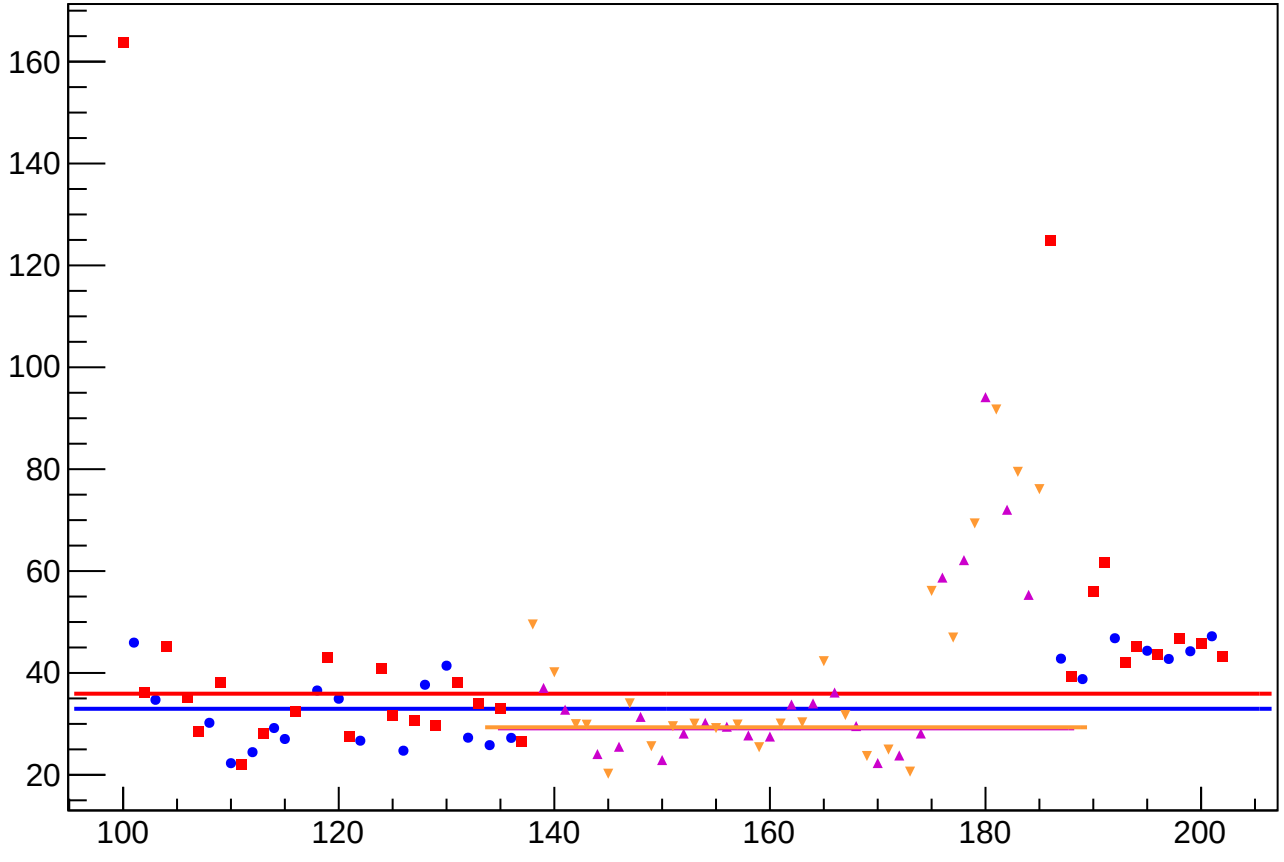
Right: -0.005+/-0.007 χ^2/NDF: 65.3/51

In: -0.007+/-0.006 χ^2/NDF:52.4/45

Out: 0.013+/-0.006 χ^2/NDF:58.3/53

All: 0.003+/-0.004 χ^2/NDF: 116.5/99

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.966+/-0.007 χ^2/NDF: 1443595.1/22

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.929+/-0.007 χ^2/NDF: 1776772.3/28

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

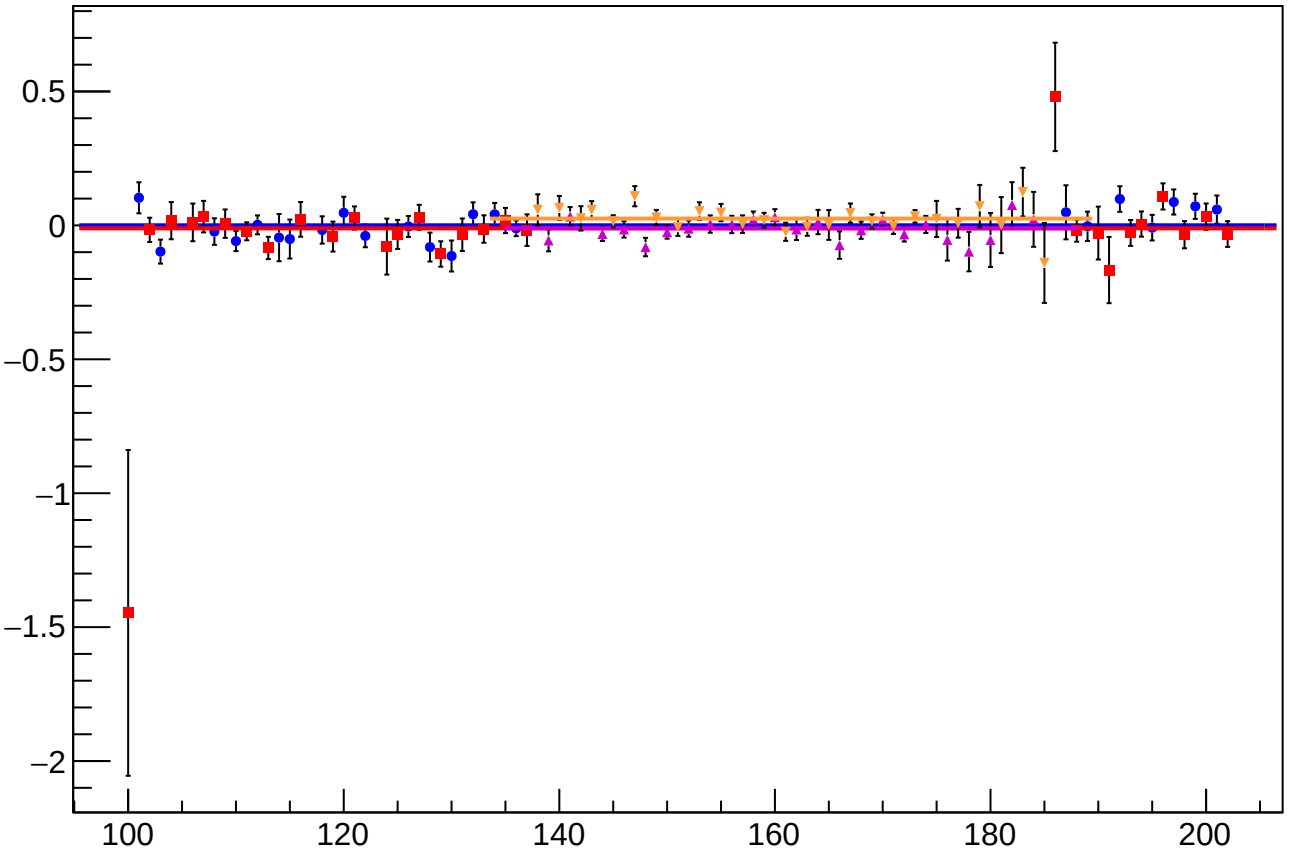
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.434+/-0.005 χ^2/NDF: 3310385.5/51

In: 30.489+/-0.004 χ^2/NDF:4479535.6/45

Out: 31.600+/-0.004 χ^2/NDF:6231491.2/53

All: 31.048+/-0.003 χ^2/NDF: 10747264.7/99



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

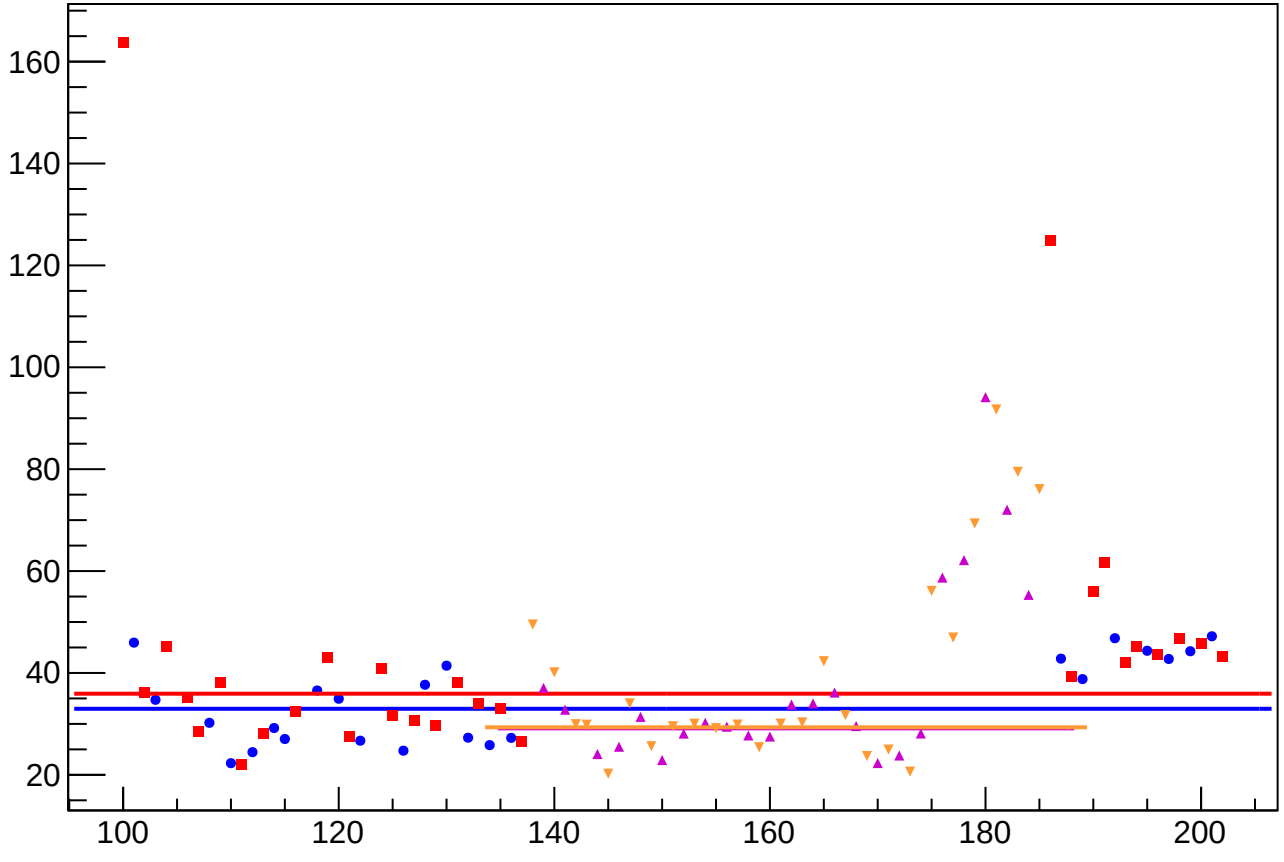
Right: -0.005+/-0.007 χ^2/NDF: 65.3/51

In: -0.007+/-0.006 χ^2/NDF:52.4/45

Out: 0.013+/-0.006 χ^2/NDF:58.3/53

All: 0.003+/-0.004 χ^2/NDF: 116.5/99

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.966+/-0.007 χ^2/NDF: 1443595.1/22

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.929+/-0.007 χ^2/NDF: 1776772.3/28

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

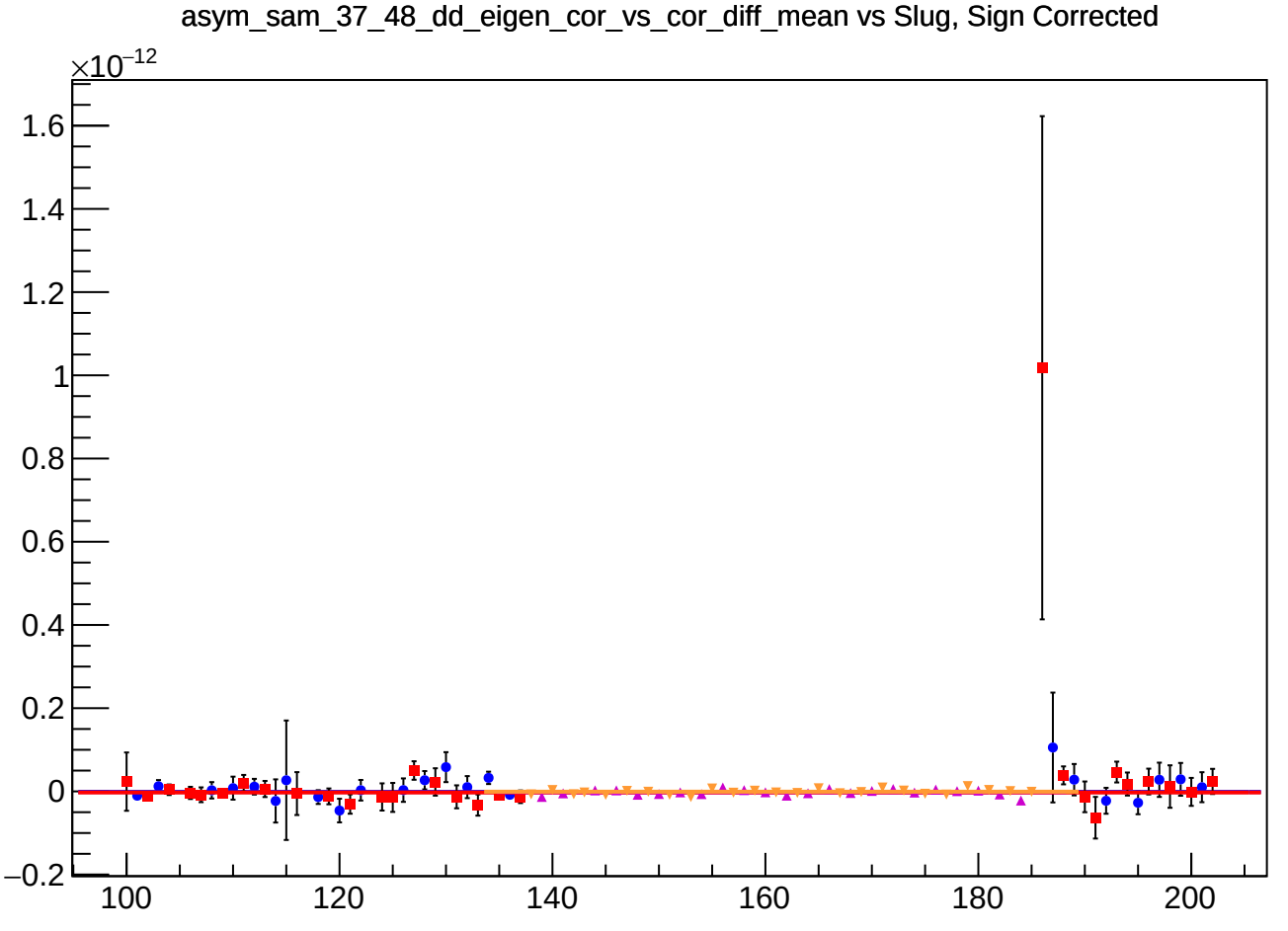
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.434+/-0.005 χ^2/NDF: 3310385.5/51

In: 30.489+/-0.004 χ^2/NDF:4479535.6/45

Out: 31.600+/-0.004 χ^2/NDF:6231491.2/53

All: 31.048+/-0.003 χ^2/NDF: 10747264.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

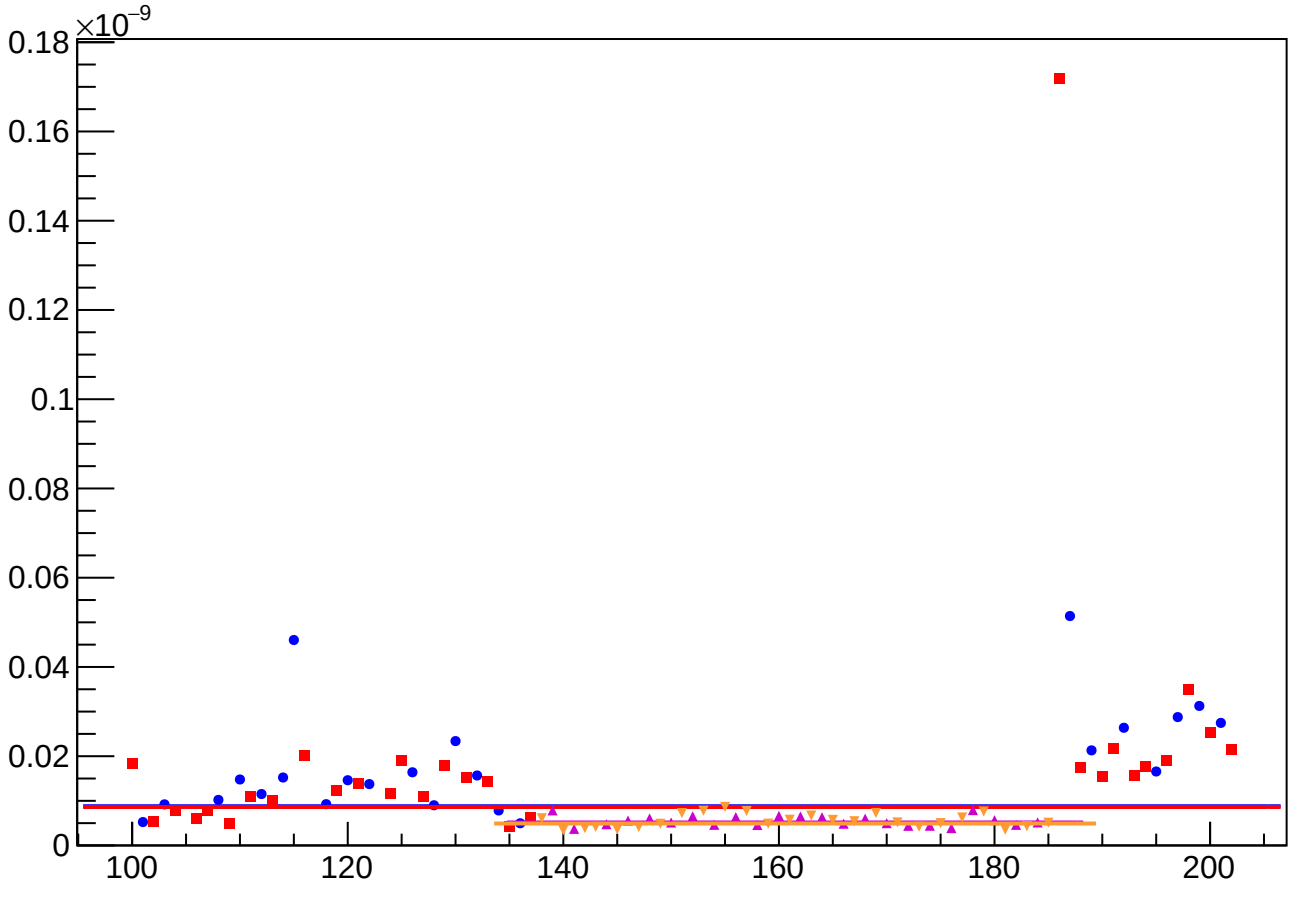
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 48.8/51

In: -0.000+/-0.000 χ^2/NDF:37.3/45

Out: -0.000+/-0.000 χ^2/NDF:43.3/53

All: -0.000+/-0.000 χ^2/NDF: 80.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 5094166.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4946453.9/28

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

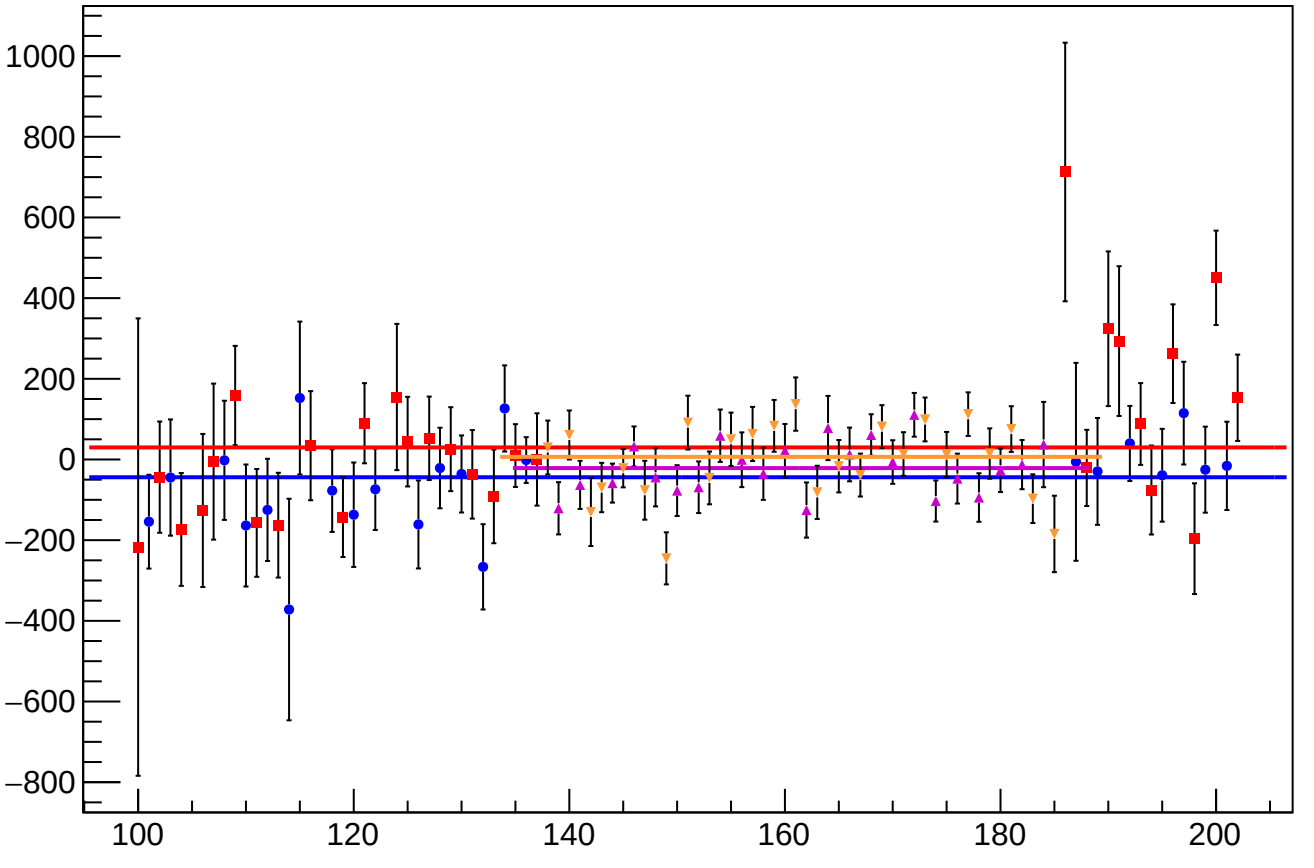
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10042716.6/51

In: 0.000+/-0.000 χ^2/NDF:7754283.6/45

Out: 0.000+/-0.000 χ^2/NDF:8814700.1/53

All: 0.000+/-0.000 χ^2/NDF: 16591819.6/99



Right In: -44.028+/-23.260 χ^2/NDF: 16.5/22

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 29.903+/-22.734 χ^2/NDF: 45.1/28

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

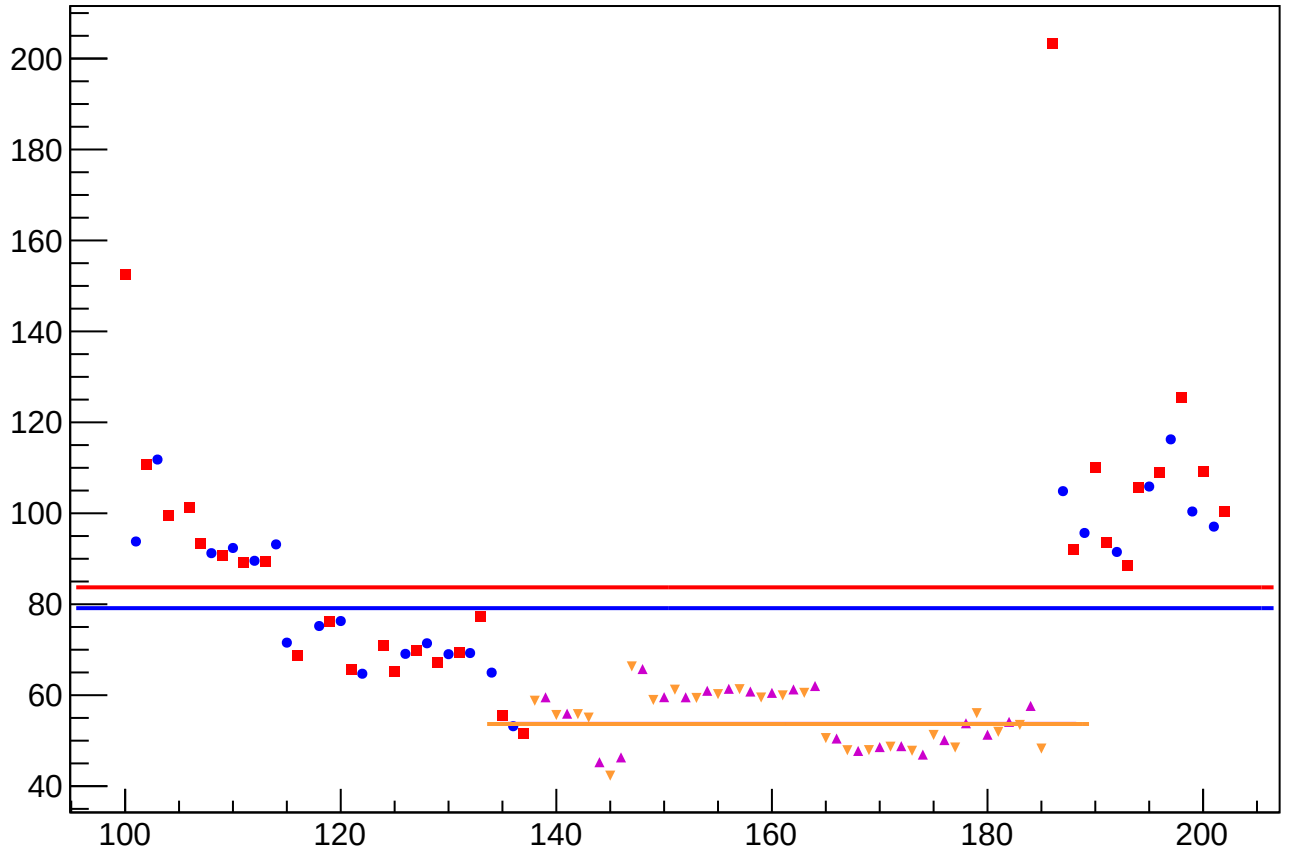
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -6.217+/-16.258 χ^2/NDF: 66.8/51

In: -26.515+/-11.112 χ^2/NDF:42.6/45

Out: 11.808+/-10.809 χ^2/NDF:96.5/53

All: -6.824+/-7.748 χ^2/NDF: 145.2/99



Right In: 79.141+/-0.016 χ^2/NDF: 1253098.0/22

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 83.717+/-0.016 χ^2/NDF: 1719630.8/28

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

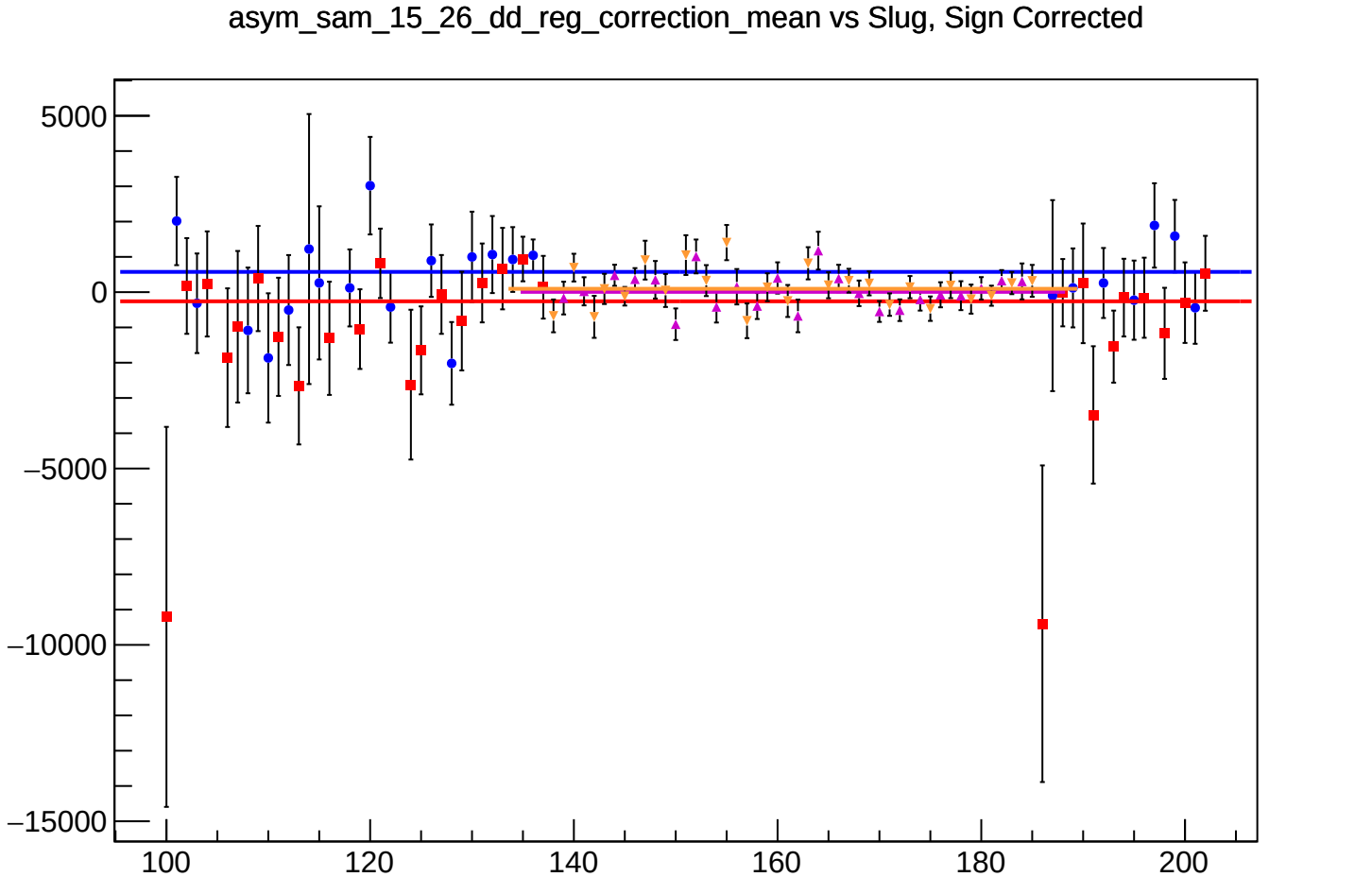
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 81.481+/-0.011 χ^2/NDF: 3012324.7/51

In: 59.502+/-0.008 χ^2/NDF:3571678.6/45

Out: 60.459+/-0.008 χ^2/NDF:4896473.1/53

All: 59.994+/-0.005 χ^2/NDF: 8475775.7/99



Right In: 574.577+/-227.047 χ^2/NDF: 19.7/22

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -259.633+/-229.764 χ^2/NDF: 25.5/28

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

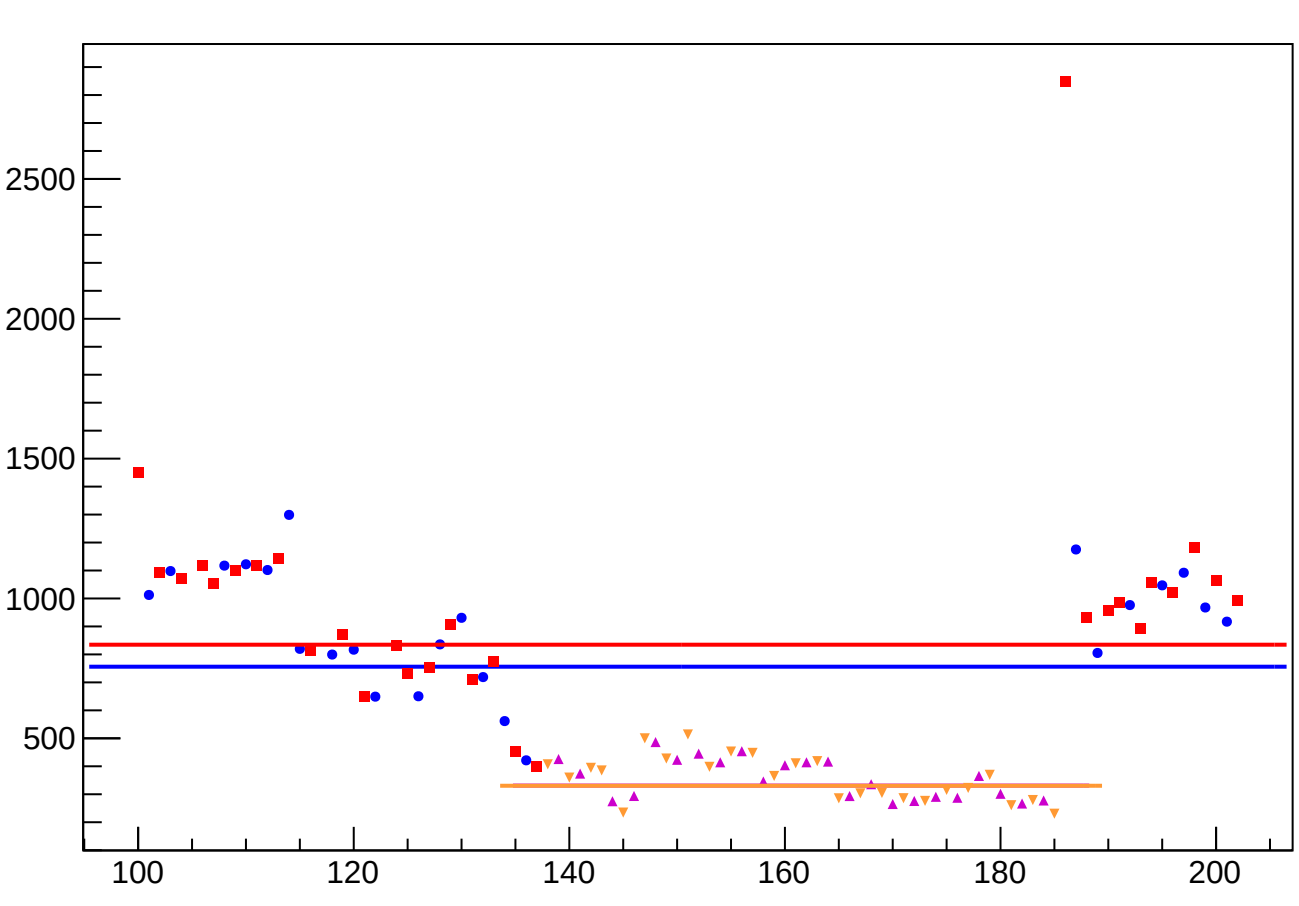
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 162.433+/-161.498 χ^2/NDF: 51.9/51

In: 69.251+/-74.718 χ^2/NDF:57.6/45

Out: 59.490+/-73.124 χ^2/NDF:60.8/53

All: 64.266+/-52.261 χ^2/NDF: 118.4/99



Right In: 756.066+/-0.161 χ^2/NDF: 2380302.1/22

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 834.705+/-0.162 χ^2/NDF: 2610038.8/28

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

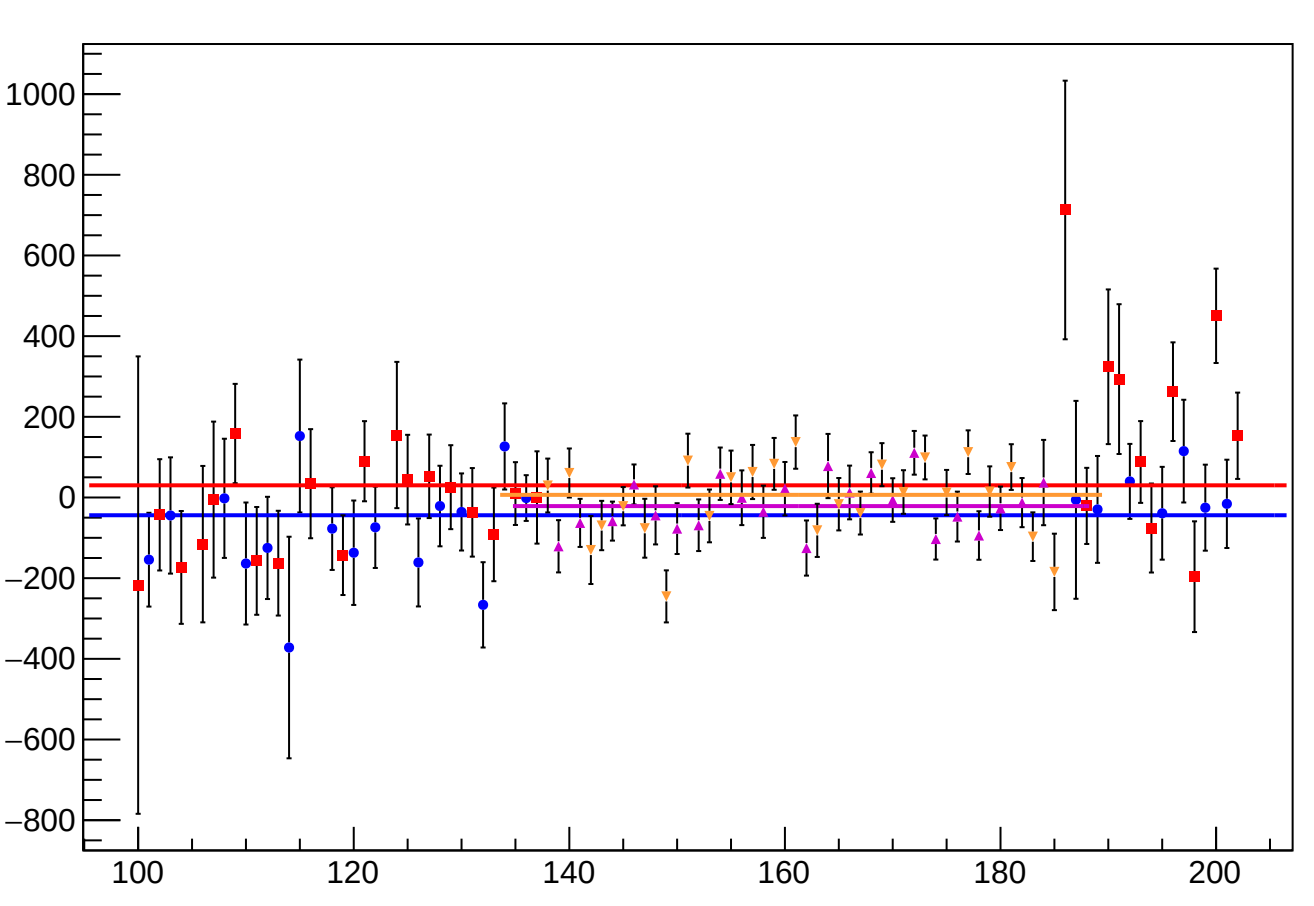
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 794.918+/-0.114 χ^2/NDF: 5108876.9/51

In: 377.086+/-0.053 χ^2/NDF:9954910.4/45

Out: 381.484+/-0.052 χ^2/NDF:13021472.0/53

All: 379.332+/-0.037 χ^2/NDF: 22979922.0/99



Right In: -44.018+/-23.260 χ^2/NDF: 16.5/22

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 30.170+/-22.741 χ^2/NDF: 45.0/28

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

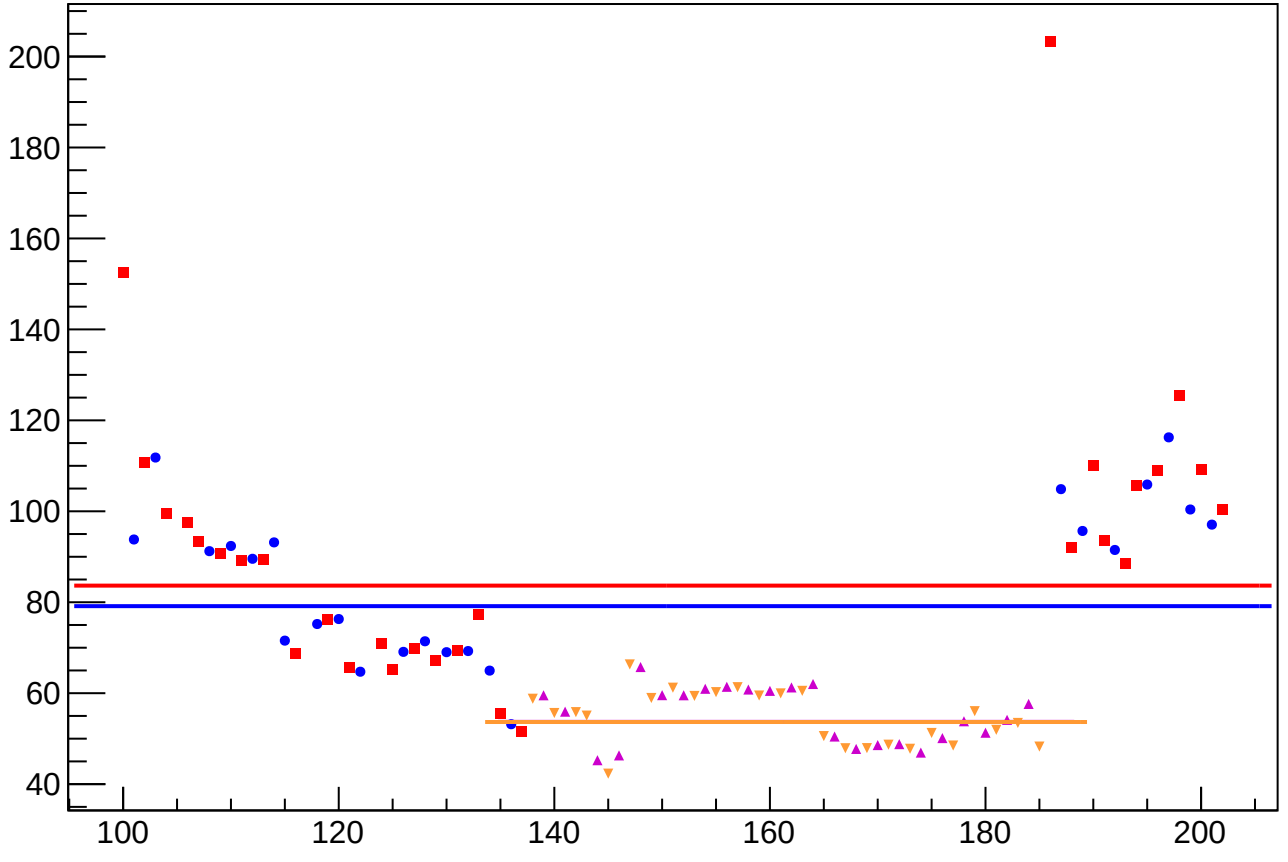
Right: -6.087+/-16.261 χ^2/NDF: 66.7/51

In: -26.512+/-11.112 χ^2/NDF:42.6/45

Out: 11.868+/-10.810 χ^2/NDF:96.4/53

All: -6.793+/-7.749 χ^2/NDF: 145.2/99

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 79.141+/-0.016 χ^2/NDF: 1253100.2/22

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 83.657+/-0.016 χ^2/NDF: 1713003.7/28

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

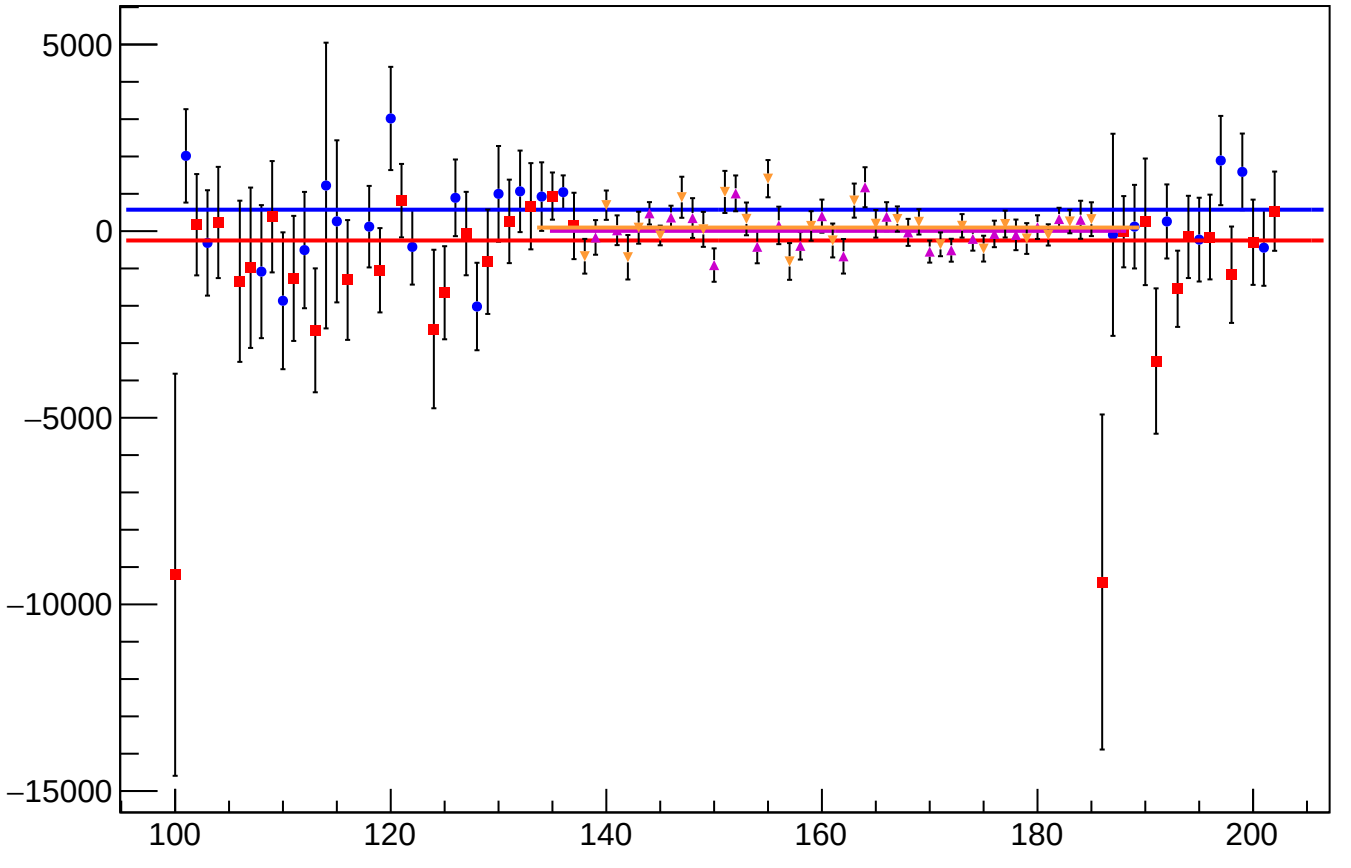
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 81.450+/-0.011 χ^2/NDF: 3004645.7/51

In: 59.502+/-0.008 χ^2/NDF:3571681.2/45

Out: 60.442+/-0.008 χ^2/NDF:4877614.3/53

All: 59.985+/-0.005 χ^2/NDF: 8456649.6/99



Right In: 574.570+/-227.047 χ^2/NDF: 19.7/22

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -250.146+/-230.038 χ^2/NDF: 25.1/28

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

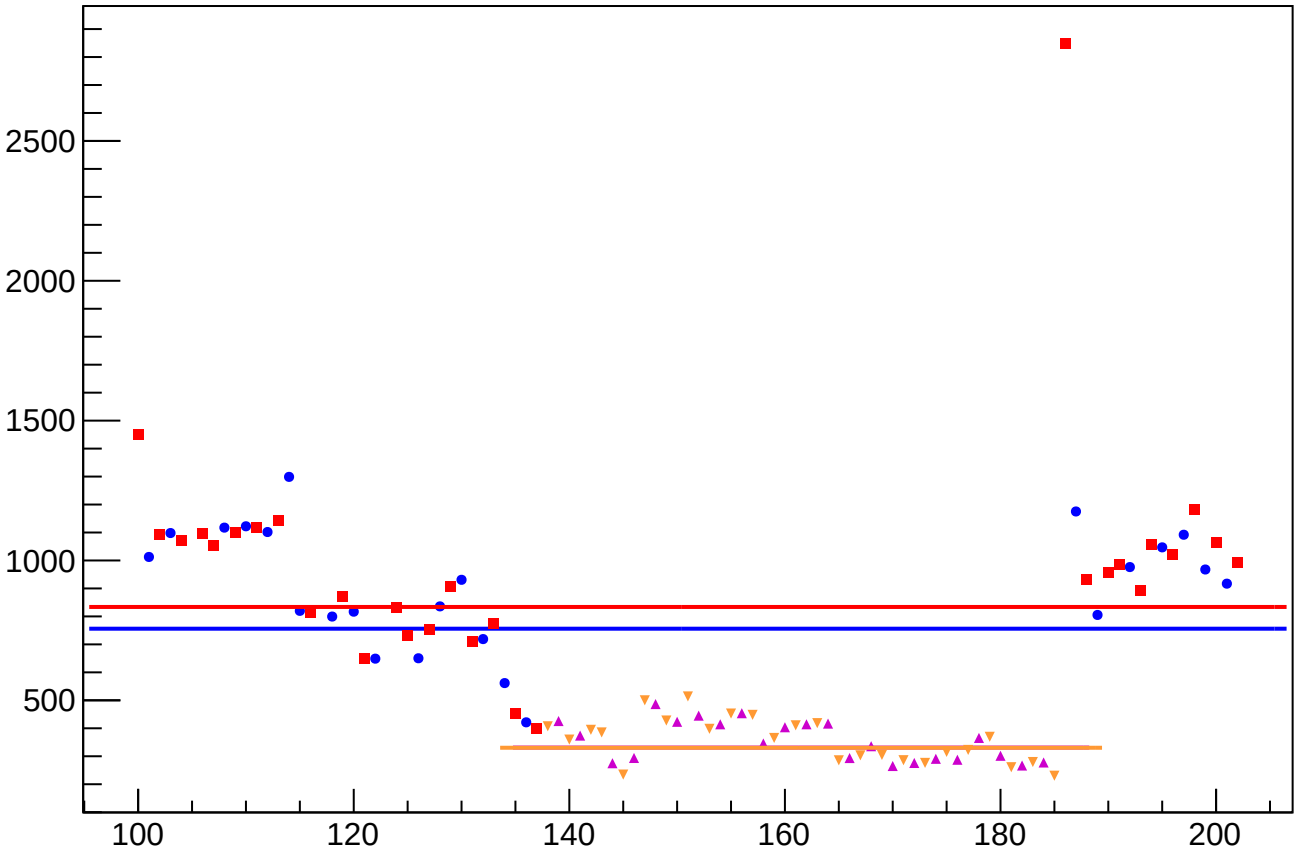
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 167.607+/-161.594 χ^2/NDF: 51.3/51

In: 69.247+/-74.718 χ^2/NDF:57.6/45

Out: 60.528+/-73.132 χ^2/NDF:60.3/53

All: 64.794+/-52.264 χ^2/NDF: 117.9/99



Right In: 756.067+/-0.161 χ^2/NDF: 2380325.2/22

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 833.792+/-0.163 χ^2/NDF: 2597858.9/28

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

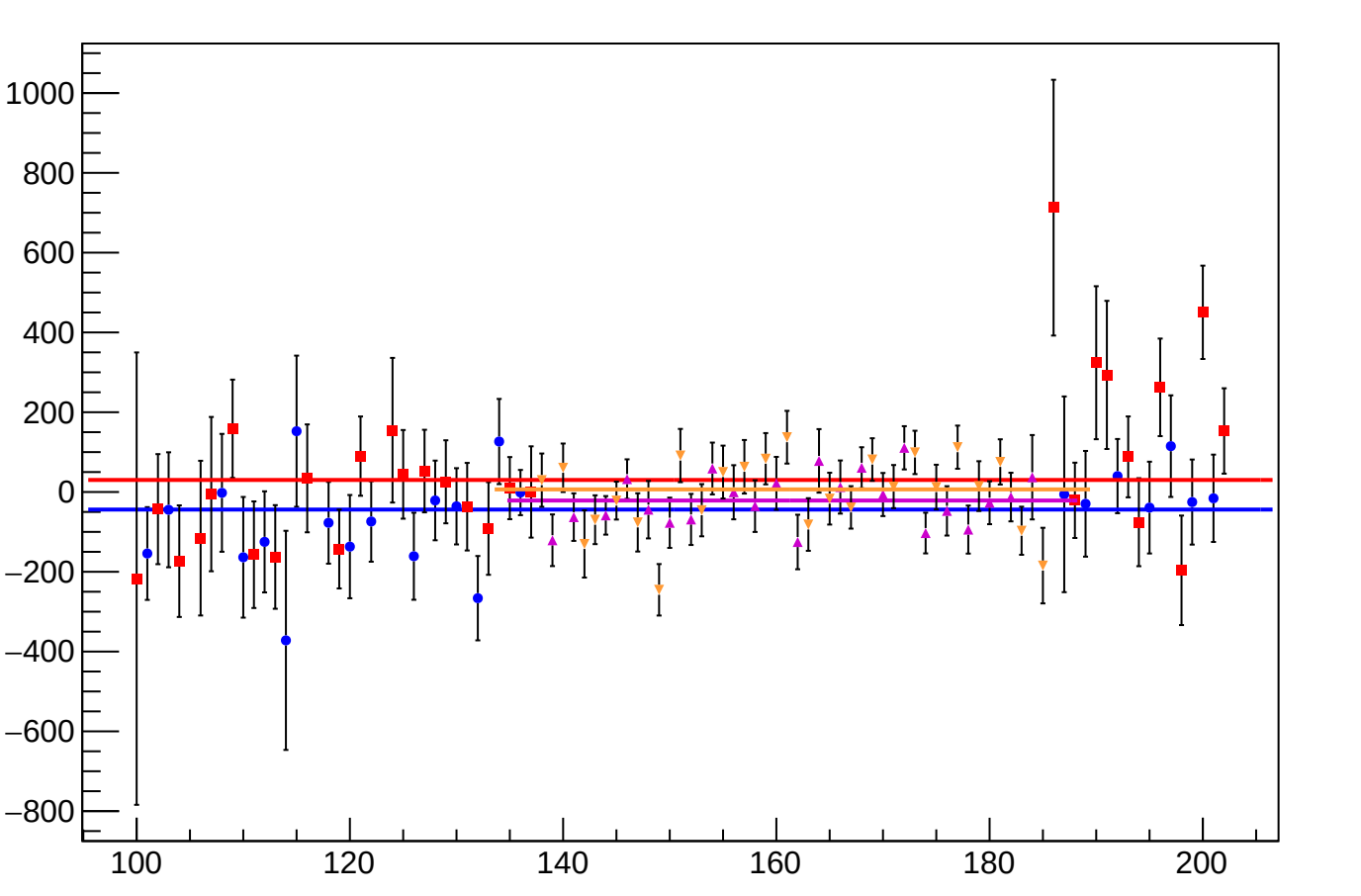
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 794.421+/-0.114 χ^2/NDF: 5093841.9/51

In: 377.086+/-0.053 χ^2/NDF:9954943.7/45

Out: 381.283+/-0.052 χ^2/NDF:12959509.2/53

All: 379.229+/-0.037 χ^2/NDF: 22917675.4/99



Right In: -44.018+/-23.260 χ^2/NDF: 16.5/22

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 30.170+/-22.741 χ^2/NDF: 45.0/28

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

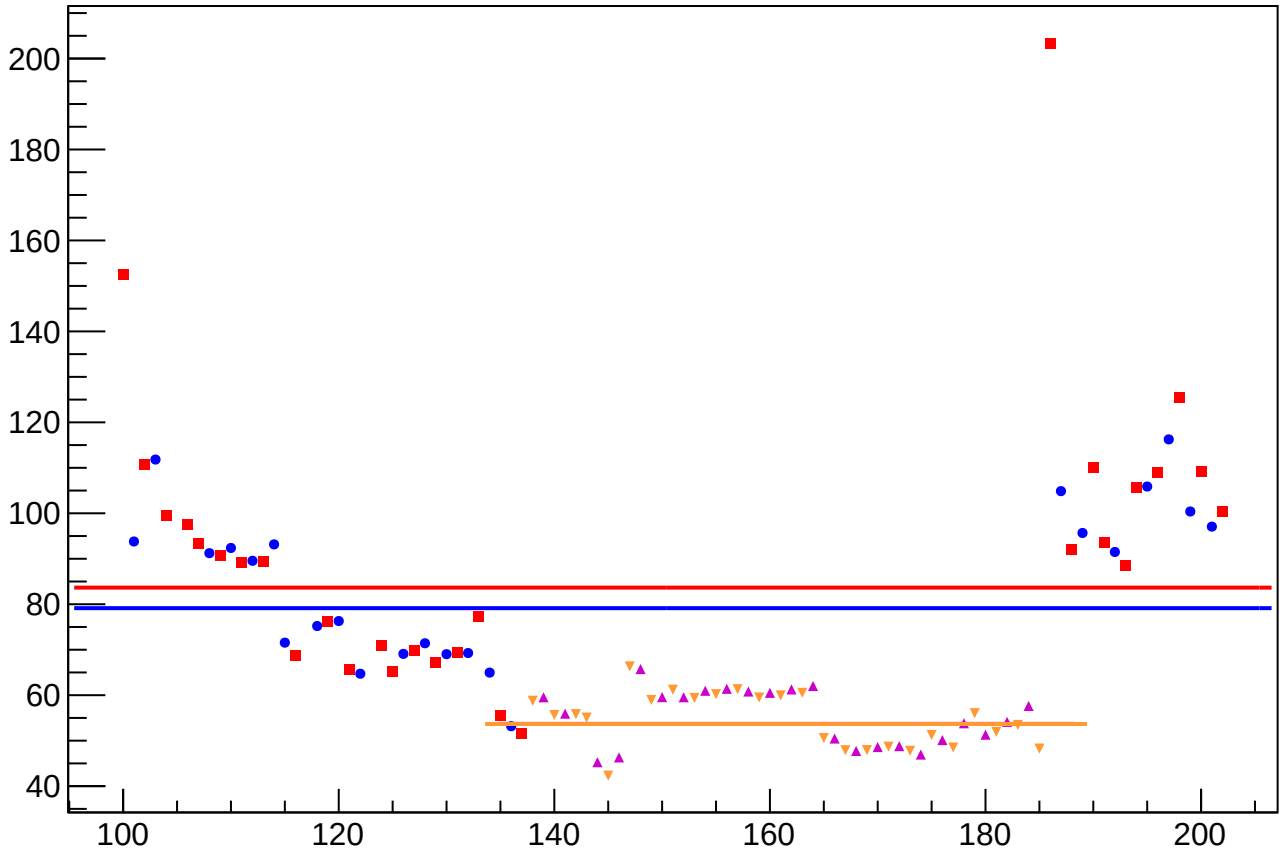
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -6.087+/-16.261 χ^2/NDF: 66.7/51

In: -26.512+/-11.112 χ^2/NDF:42.6/45

Out: 11.868+/-10.810 χ^2/NDF:96.4/53

All: -6.793+/-7.749 χ^2/NDF: 145.2/99



Right In: 79.141+/-0.016 χ^2/NDF: 1253100.2/22

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 83.657+/-0.016 χ^2/NDF: 1713003.7/28

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

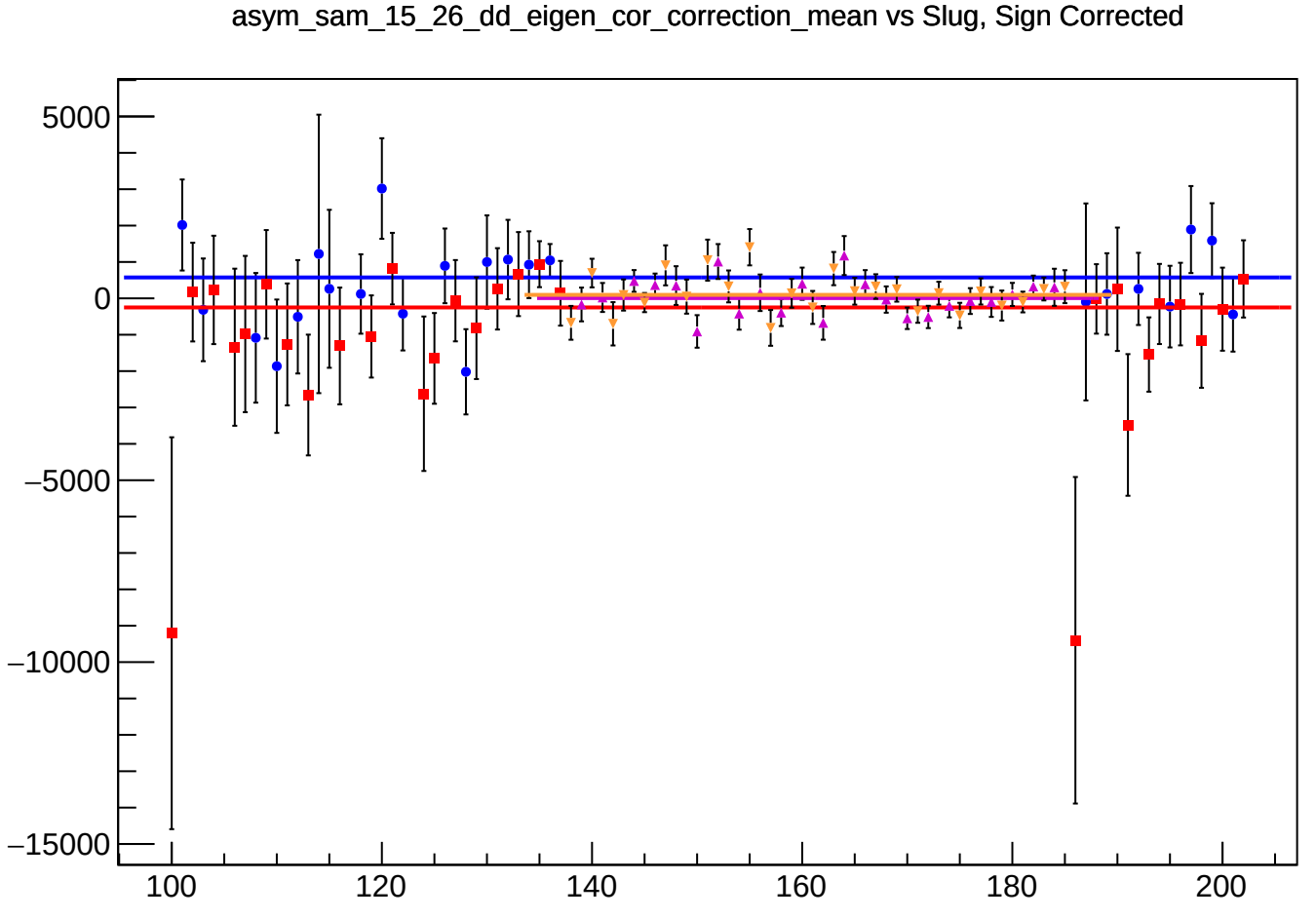
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 81.450+/-0.011 χ^2/NDF: 3004645.7/51

In: 59.502+/-0.008 χ^2/NDF:3571681.2/45

Out: 60.442+/-0.008 χ^2/NDF:4877614.3/53

All: 59.985+/-0.005 χ^2/NDF: 8456649.6/99



Right In: 574.570+/-227.047 χ^2/NDF: 19.7/22

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -250.146+/-230.038 χ^2/NDF: 25.1/28

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

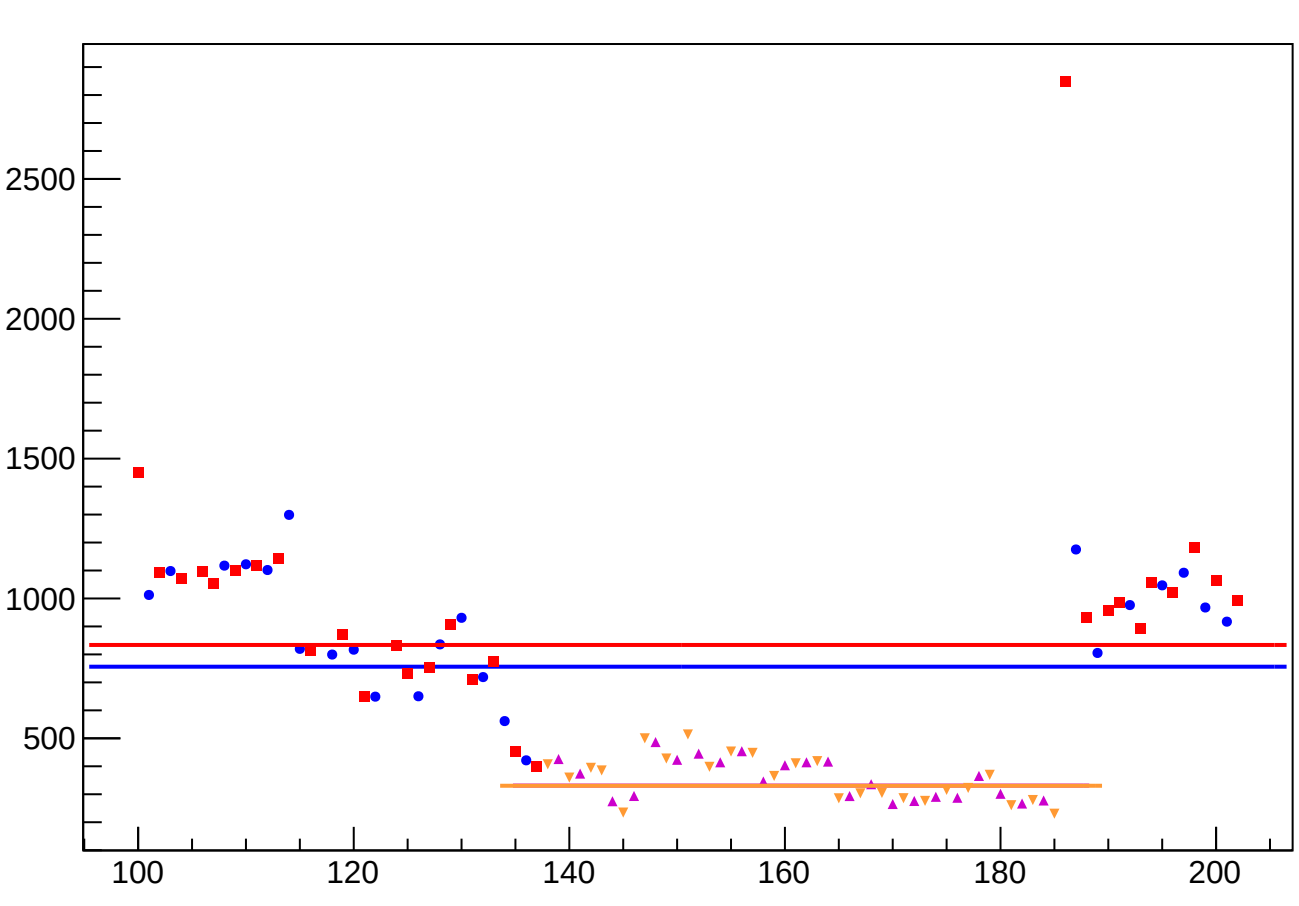
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 167.607+/-161.594 χ^2/NDF: 51.3/51

In: 69.247+/-74.718 χ^2/NDF:57.6/45

Out: 60.528+/-73.132 χ^2/NDF:60.3/53

All: 64.794+/-52.264 χ^2/NDF: 117.9/99



Right In: 756.067+/-0.161 χ^2/NDF: 2380325.2/22

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 833.792+/-0.163 χ^2/NDF: 2597858.9/28

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

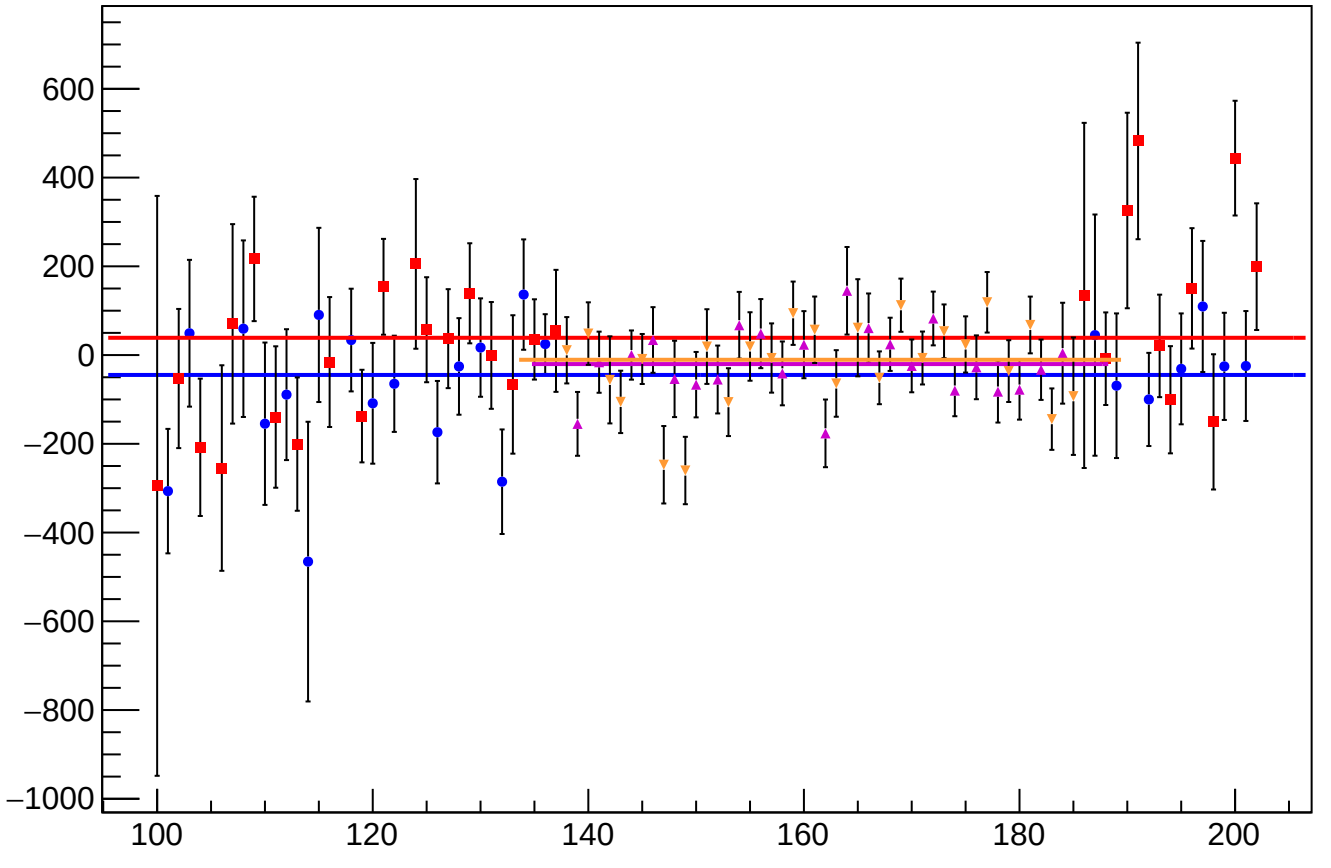
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 794.421+/-0.114 χ^2/NDF: 5093841.9/51

In: 377.086+/-0.053 χ^2/NDF:9954943.7/45

Out: 381.283+/-0.052 χ^2/NDF:12959509.2/53

All: 379.229+/-0.037 χ^2/NDF: 22917675.4/99



Right In: -44.797+/-26.519 χ^2/NDF: 18.0/22

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 38.937+/-25.699 χ^2/NDF: 37.1/28

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

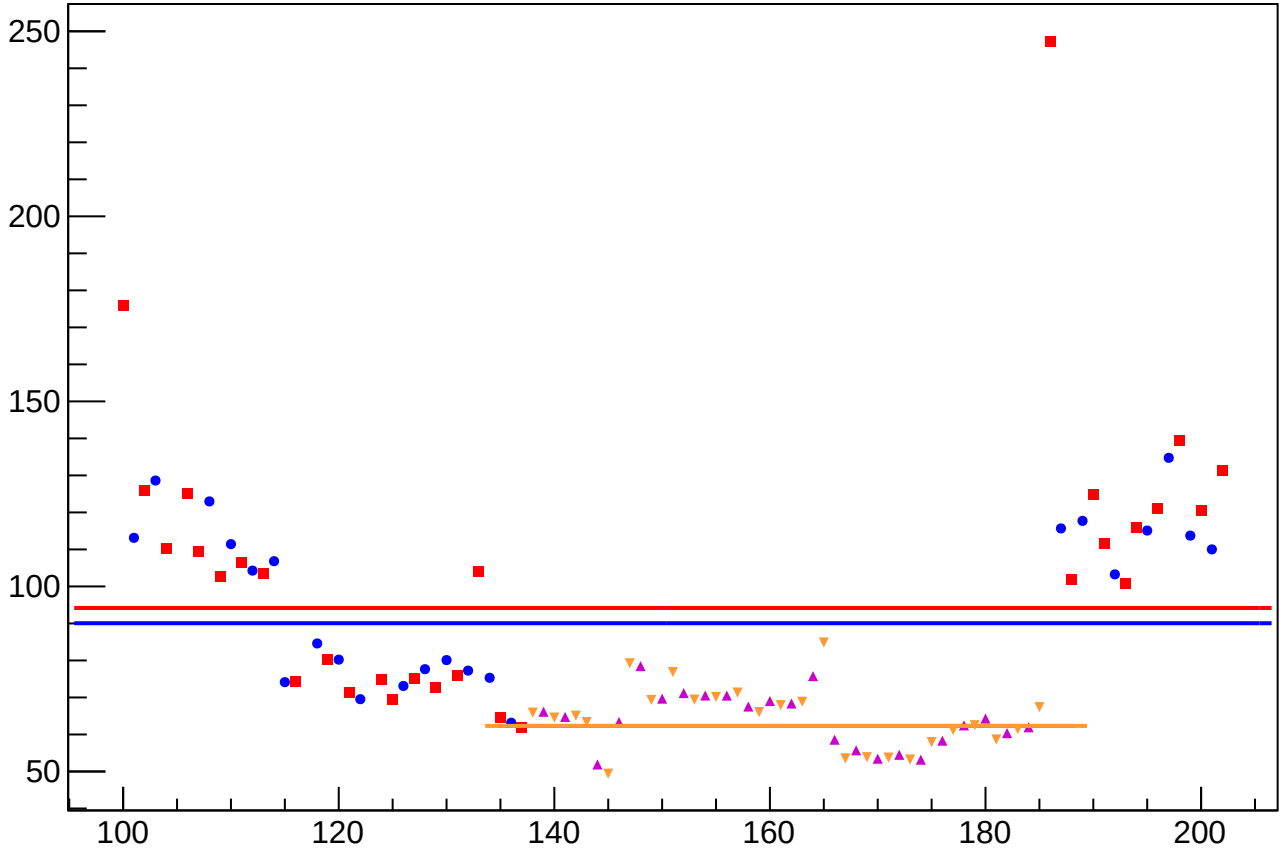
Right: -1.615+/-18.455 χ^2/NDF: 60.2/51

In: -26.093+/-12.890 χ^2/NDF:40.4/45

Out: 1.115+/-12.503 χ^2/NDF:82.1/53

All: -12.074+/-8.975 χ^2/NDF: 124.8/99

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 90.056+/-0.019 χ^2/NDF: 1323862.8/22

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 94.180+/-0.018 χ^2/NDF: 1903354.0/28

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

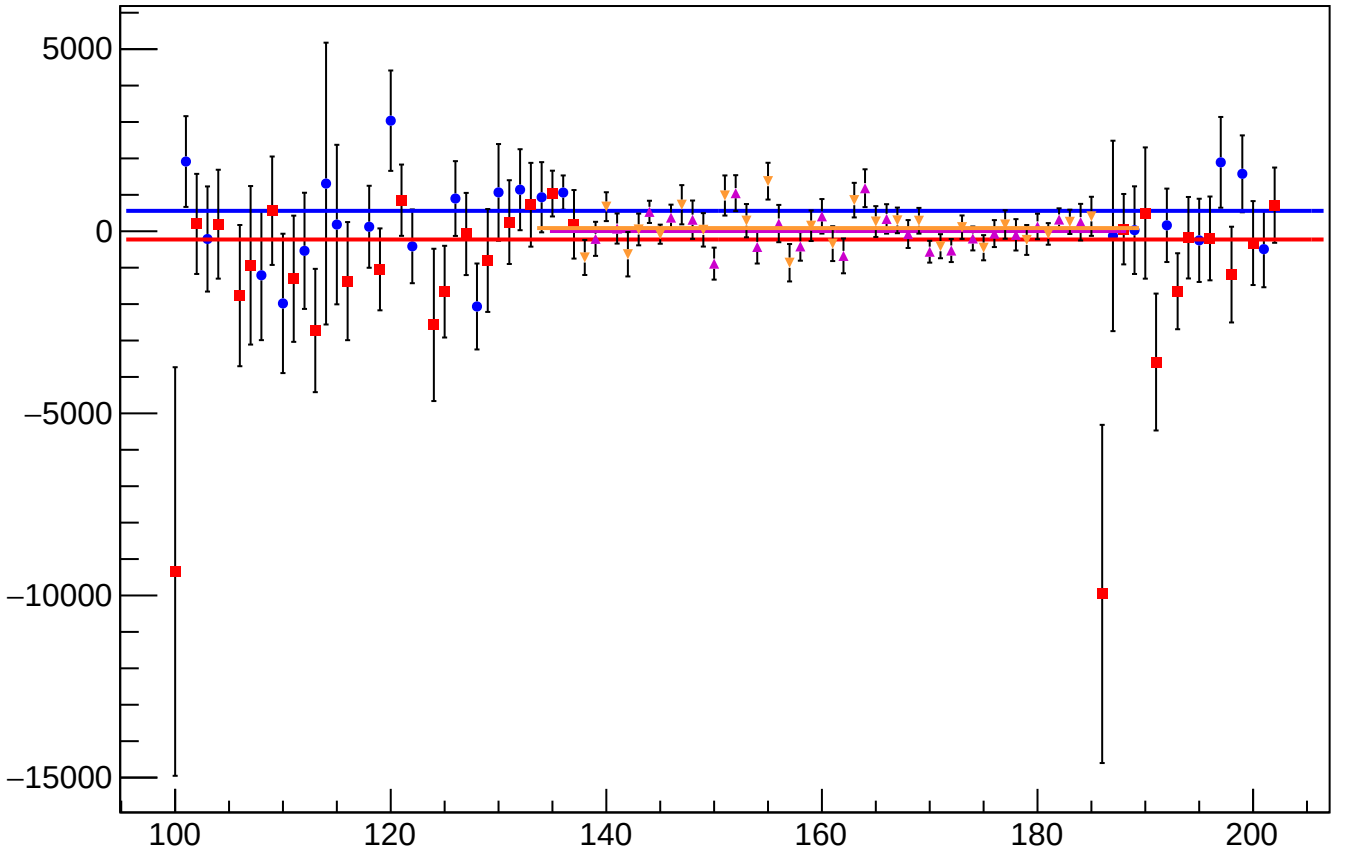
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 92.183+/-0.013 χ^2/NDF: 3252156.7/51

In: 68.866+/-0.009 χ^2/NDF:3480481.7/45

Out: 69.858+/-0.009 χ^2/NDF:4886544.9/53

All: 69.377+/-0.006 χ^2/NDF: 8373135.2/99



Right In: 560.208+/-233.355 χ^2/NDF: 19.8/22

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -226.171+/-231.834 χ^2/NDF: 27.5/28

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

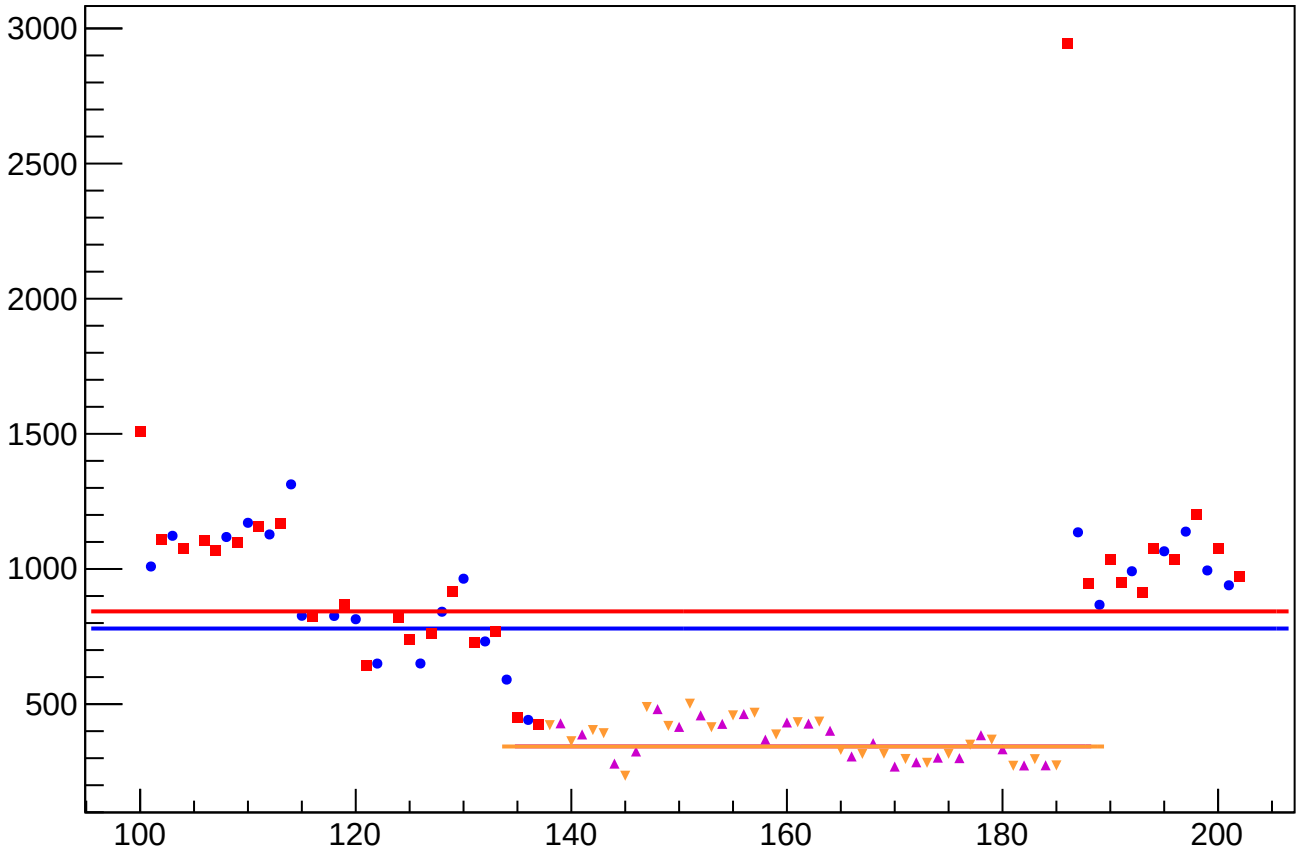
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 164.447+/-164.466 χ^2/NDF: 53.1/51

In: 67.500+/-77.455 χ^2/NDF:57.3/45

Out: 53.784+/-75.486 χ^2/NDF:60.8/53

All: 60.466+/-54.059 χ^2/NDF: 118.1/99



Right In: 779.706+/-0.165 χ^2/NDF: 2257041.1/22

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 843.106+/-0.164 χ^2/NDF: 2606280.2/28

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

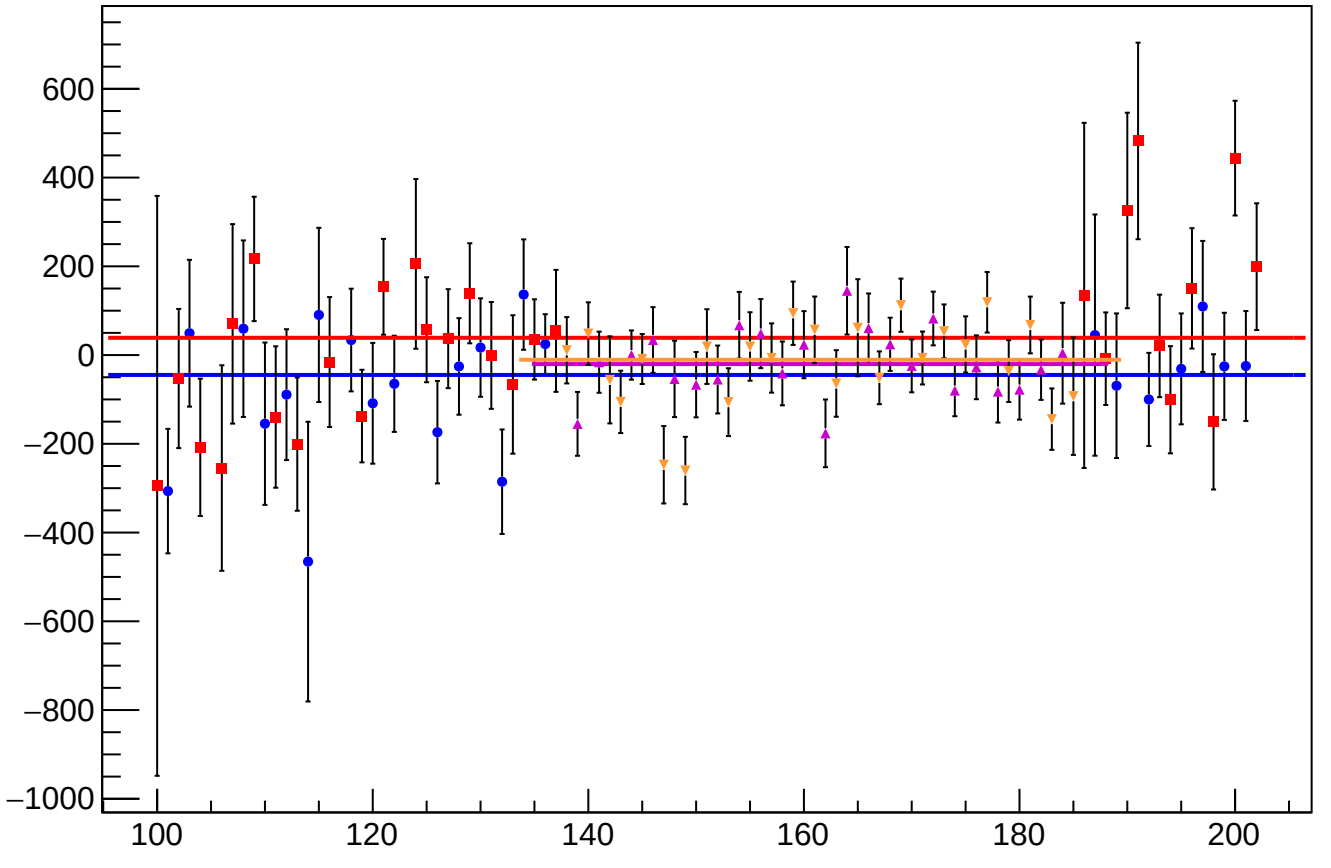
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 811.614+/-0.116 χ^2/NDF: 4937619.5/51

In: 391.751+/-0.055 χ^2/NDF:9727750.7/45

Out: 396.221+/-0.053 χ^2/NDF:12514340.4/53

All: 394.044+/-0.038 χ^2/NDF: 22245508.4/99



Right In: -44.798+/-26.519 χ^2/NDF: 18.0/22

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 38.938+/-25.698 χ^2/NDF: 37.1/28

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

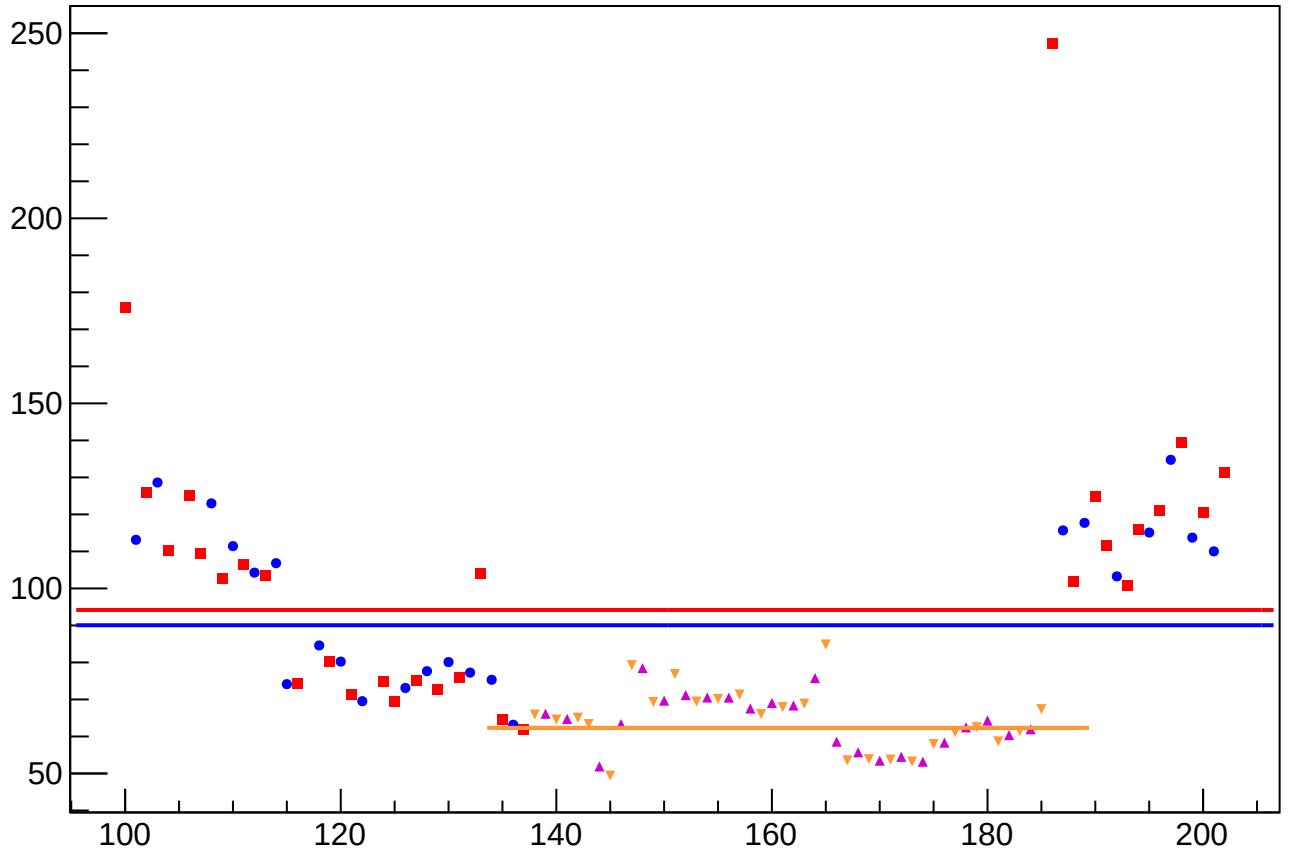
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -1.615+/-18.455 χ^2/NDF: 60.2/51

In: -26.093+/-12.890 χ^2/NDF:40.4/45

Out: 1.116+/-12.503 χ^2/NDF:82.1/53

All: -12.073+/-8.975 χ^2/NDF: 124.8/99



Right In: 90.056+/-0.019 χ^2/NDF: 1323881.7/22

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 94.180+/-0.018 χ^2/NDF: 1903355.2/28

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

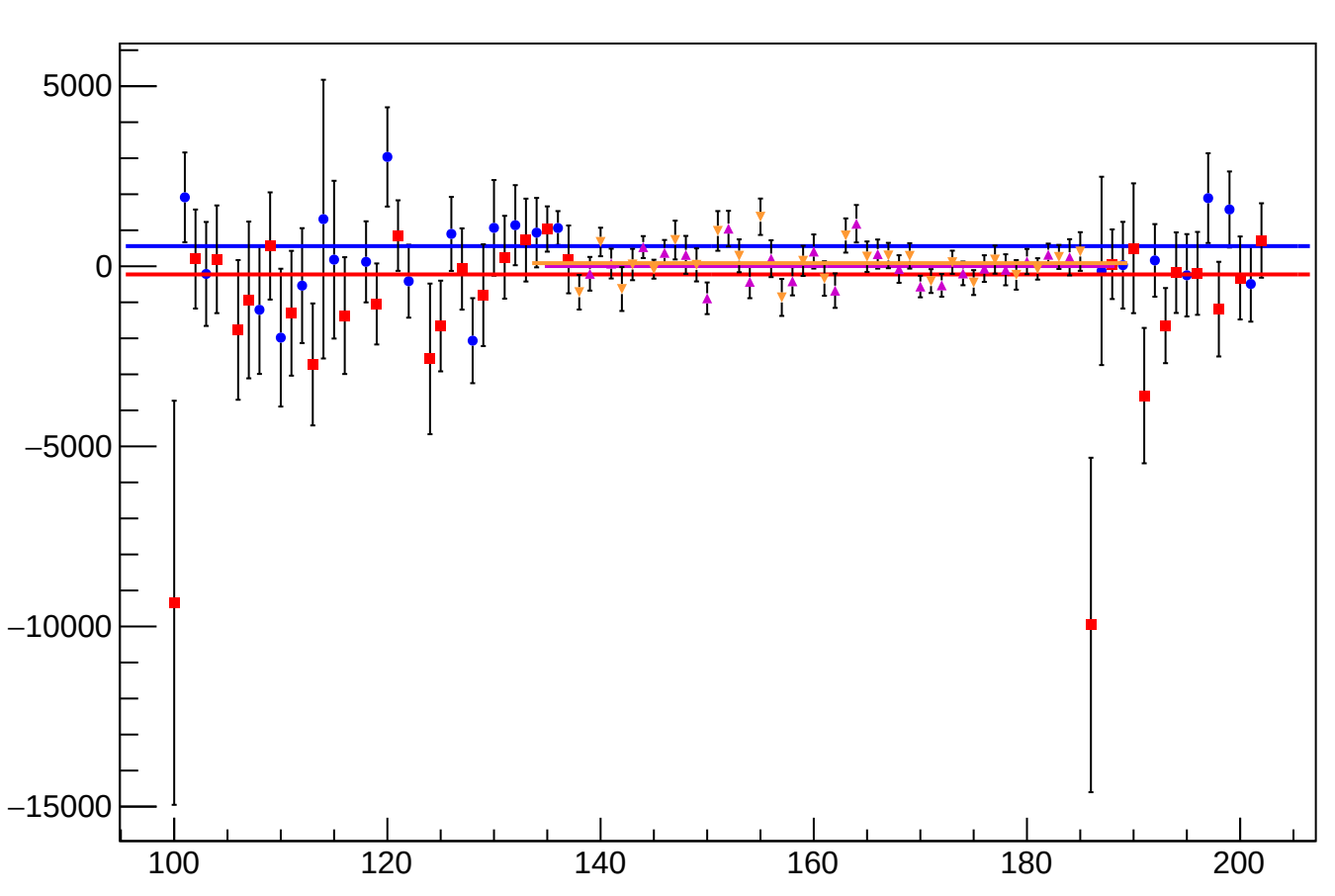
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 92.183+/-0.013 χ^2/NDF: 3252178.9/51

In: 68.866+/-0.009 χ^2/NDF:3480435.0/45

Out: 69.858+/-0.009 χ^2/NDF:4886511.6/53

All: 69.377+/-0.006 χ^2/NDF: 8373054.0/99



Right In: 560.207+/-233.354 χ^2/NDF: 19.8/22

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -226.172+/-231.833 χ^2/NDF: 27.5/28

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

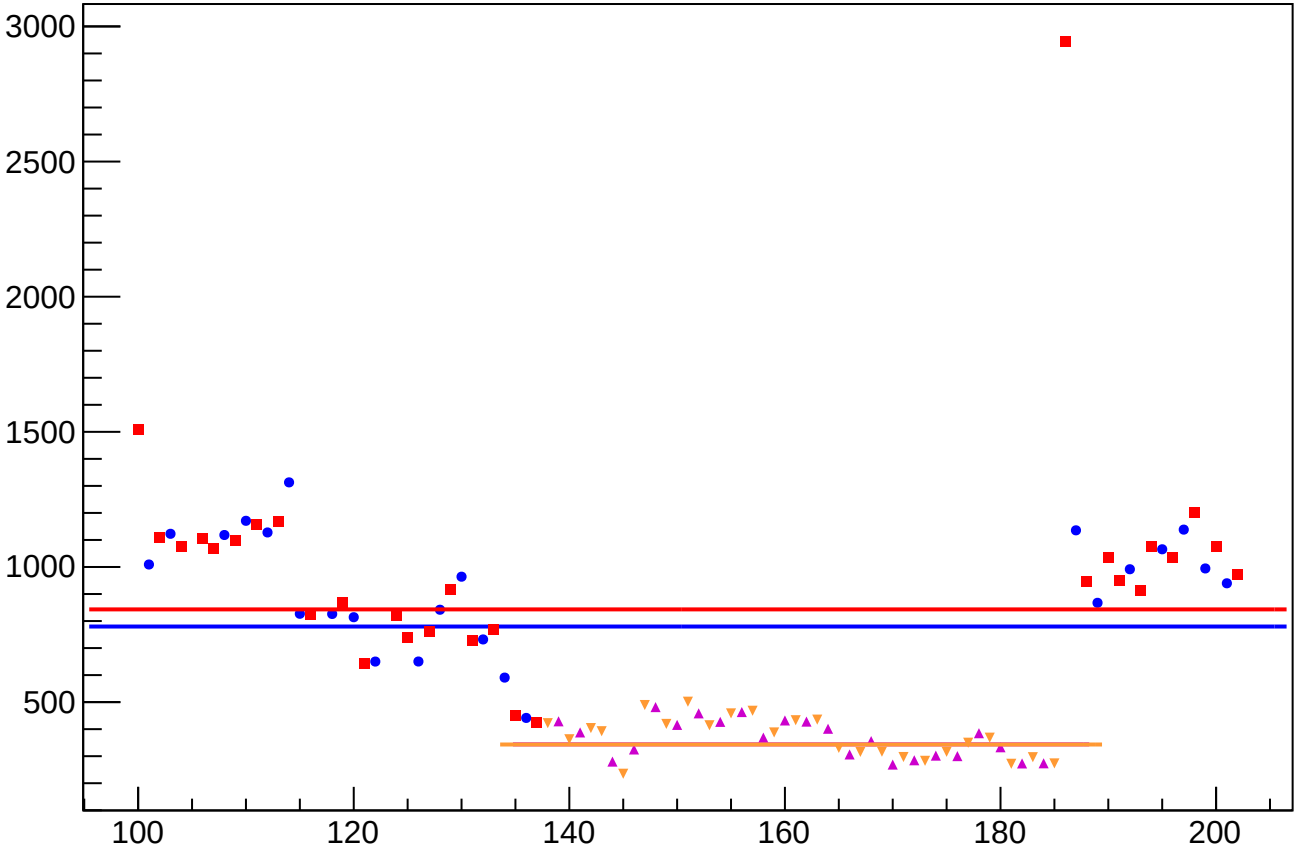
Right: 164.446+/-164.466 χ^2/NDF: 53.1/51

In: 67.501+/-77.456 χ^2/NDF:57.3/45

Out: 53.785+/-75.486 χ^2/NDF:60.8/53

All: 60.466+/-54.060 χ^2/NDF: 118.1/99

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 779.706+/-0.165 χ^2/NDF: 2257033.1/22

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 843.106+/-0.164 χ^2/NDF: 2606278.6/28

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

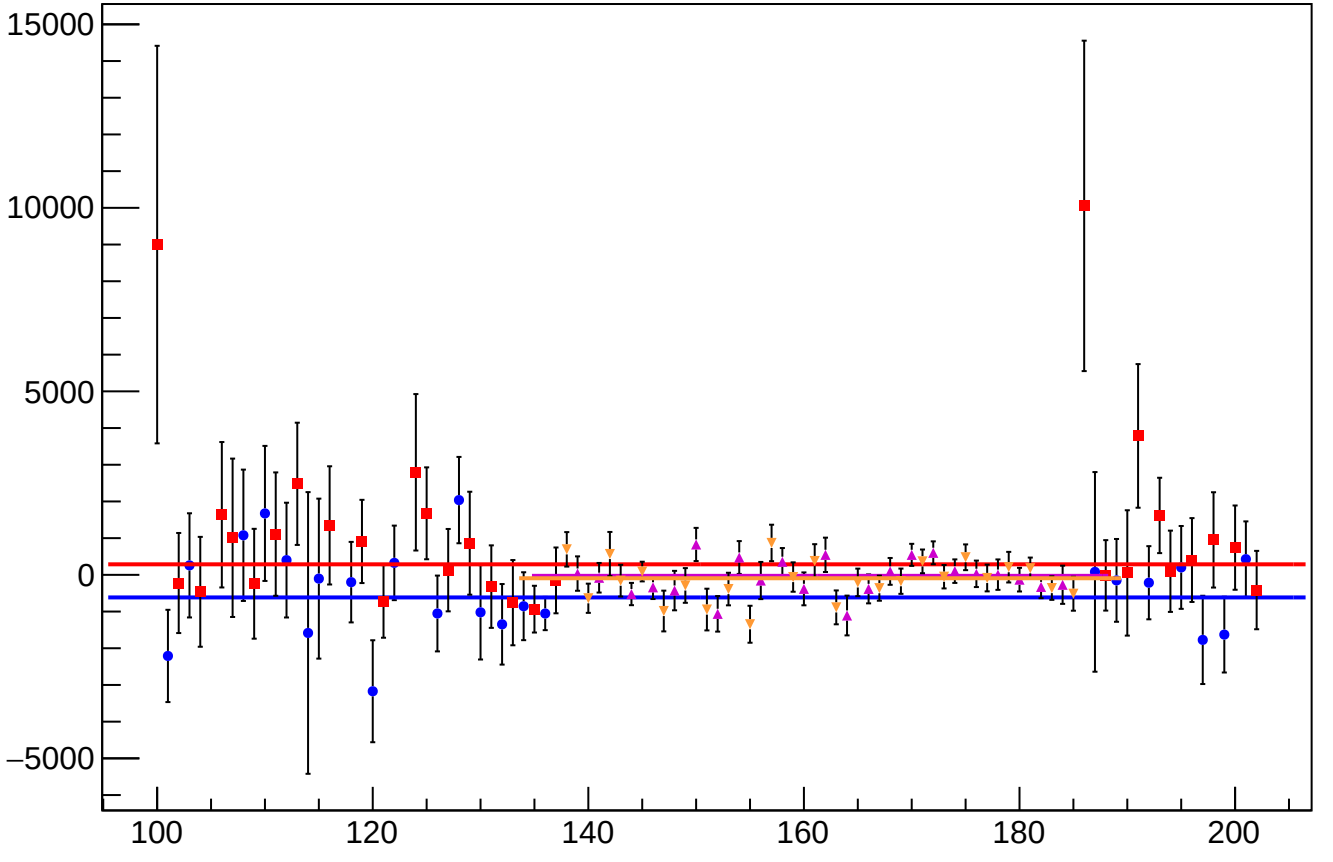
Right: 811.613+/-0.116 χ^2/NDF: 4937609.9/51

In: 391.751+/-0.055 χ^2/NDF:9727744.3/45

Out: 396.221+/-0.053 χ^2/NDF:12514346.6/53

All: 394.044+/-0.038 χ^2/NDF: 22245508.0/99

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -615.224+/-228.440 χ^2/NDF: 20.0/22

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 286.943+/-231.034 χ^2/NDF: 25.9/28

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

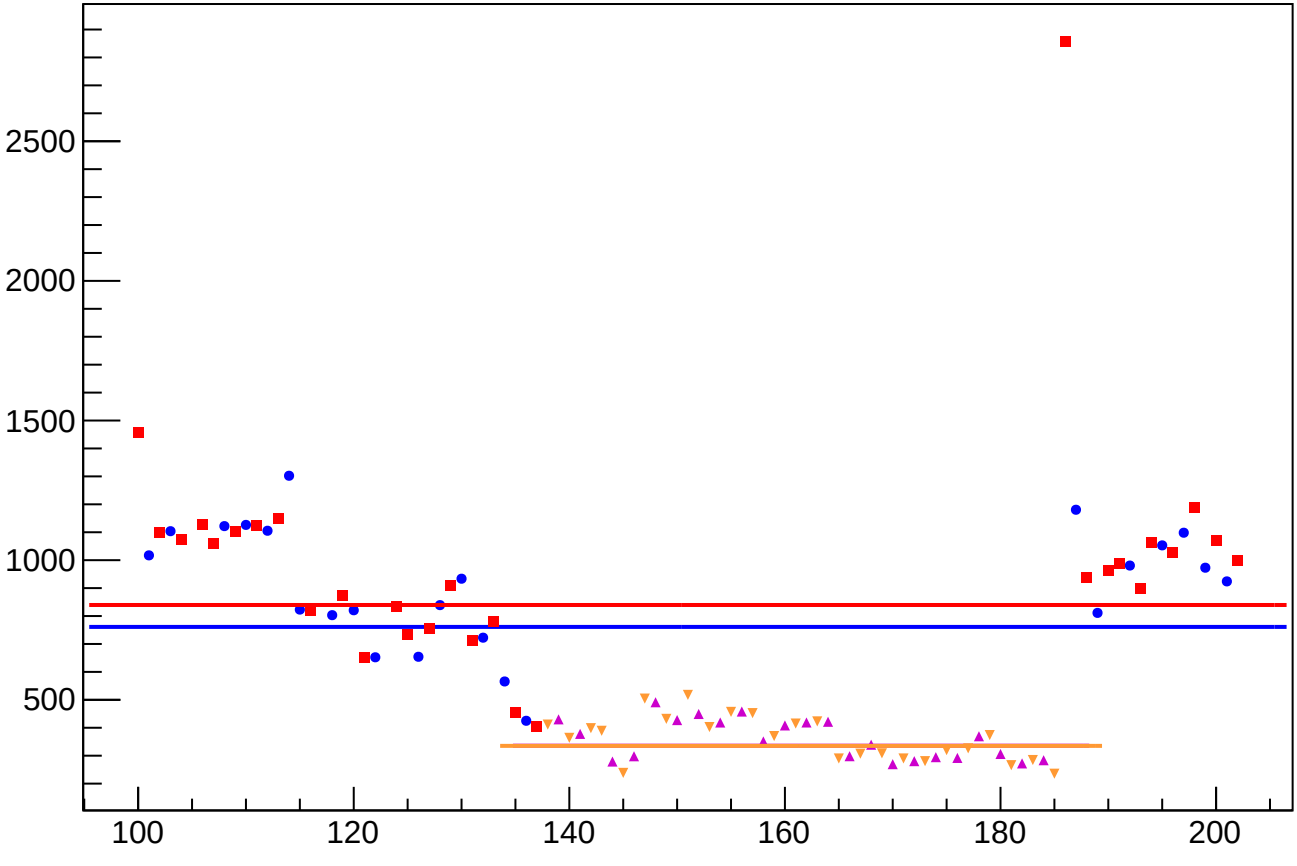
Right: -169.233+/-162.441 χ^2/NDF: 53.6/51

In: -91.711+/-75.678 χ^2/NDF:56.8/45

Out: -53.664+/-74.059 χ^2/NDF:62.5/53

All: -72.276+/-52.931 χ^2/NDF: 119.4/99

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 761.071+/-0.162 χ^2/NDF: 2359881.3/22

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 839.577+/-0.163 χ^2/NDF: 2595867.4/28

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

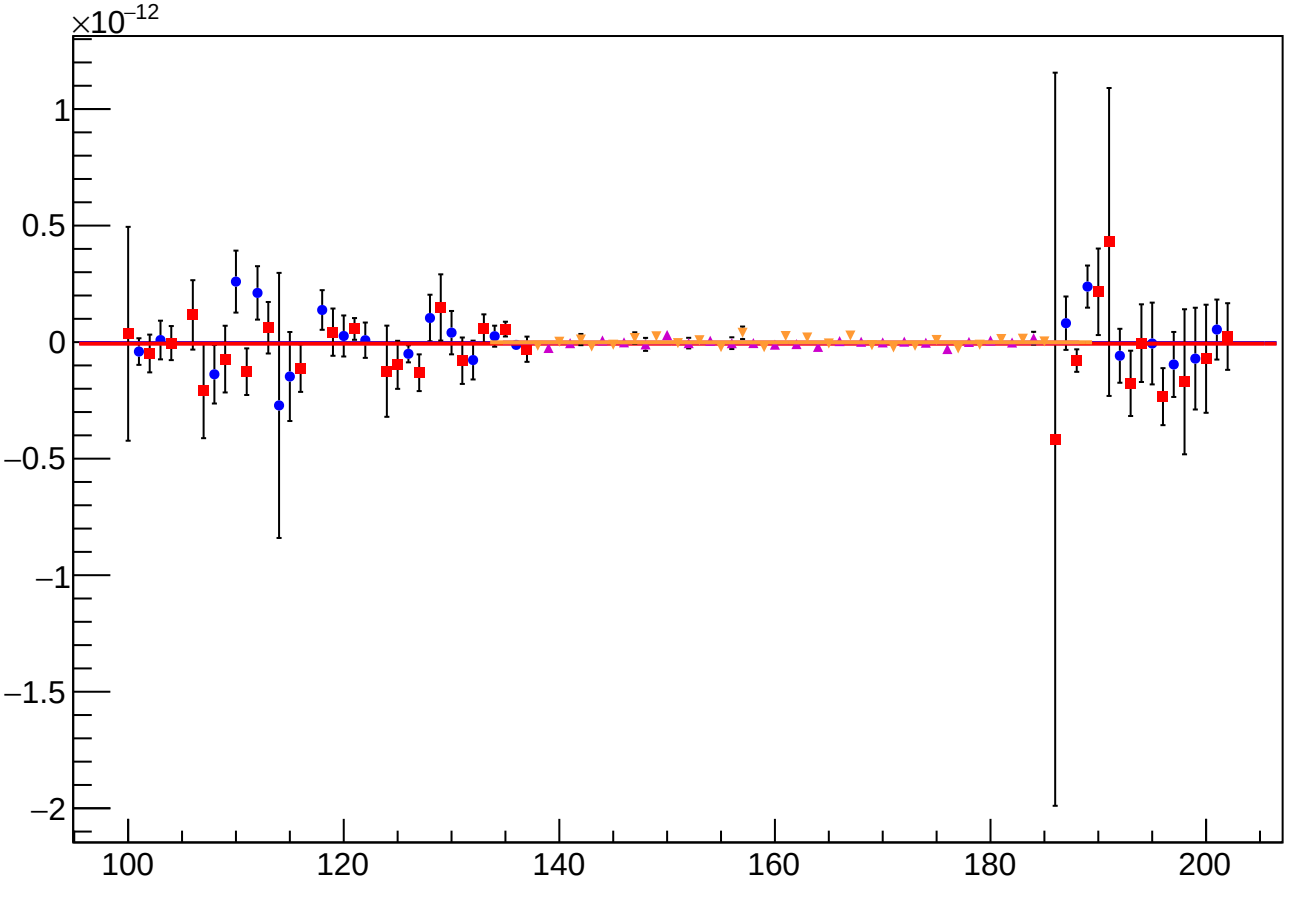
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 799.881+/-0.115 χ^2/NDF: 5072518.2/51

In: 382.461+/-0.054 χ^2/NDF:9822240.2/45

Out: 386.981+/-0.052 χ^2/NDF:12856203.6/53

All: 384.770+/-0.037 χ^2/NDF: 22682088.7/99



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

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

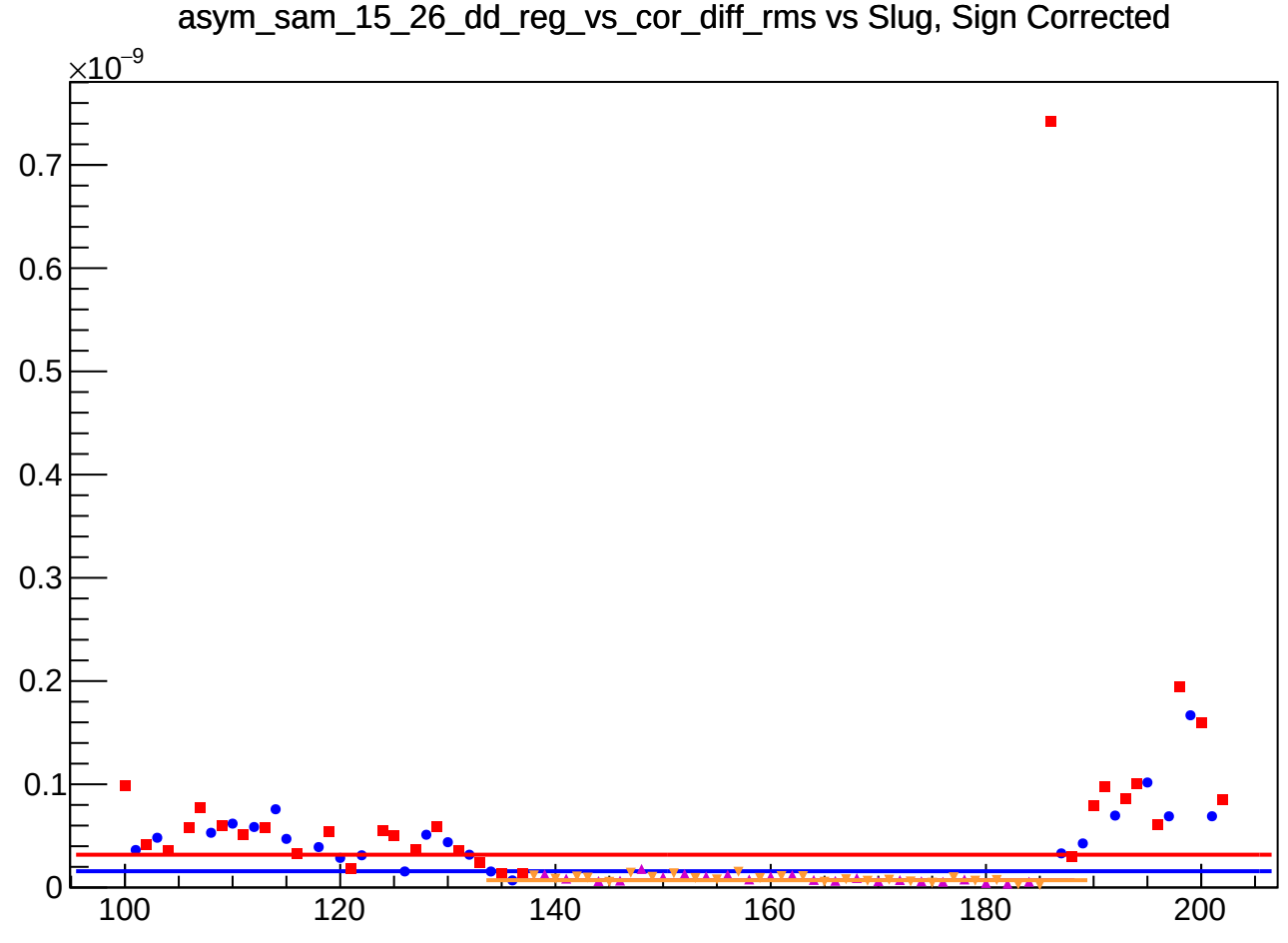
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

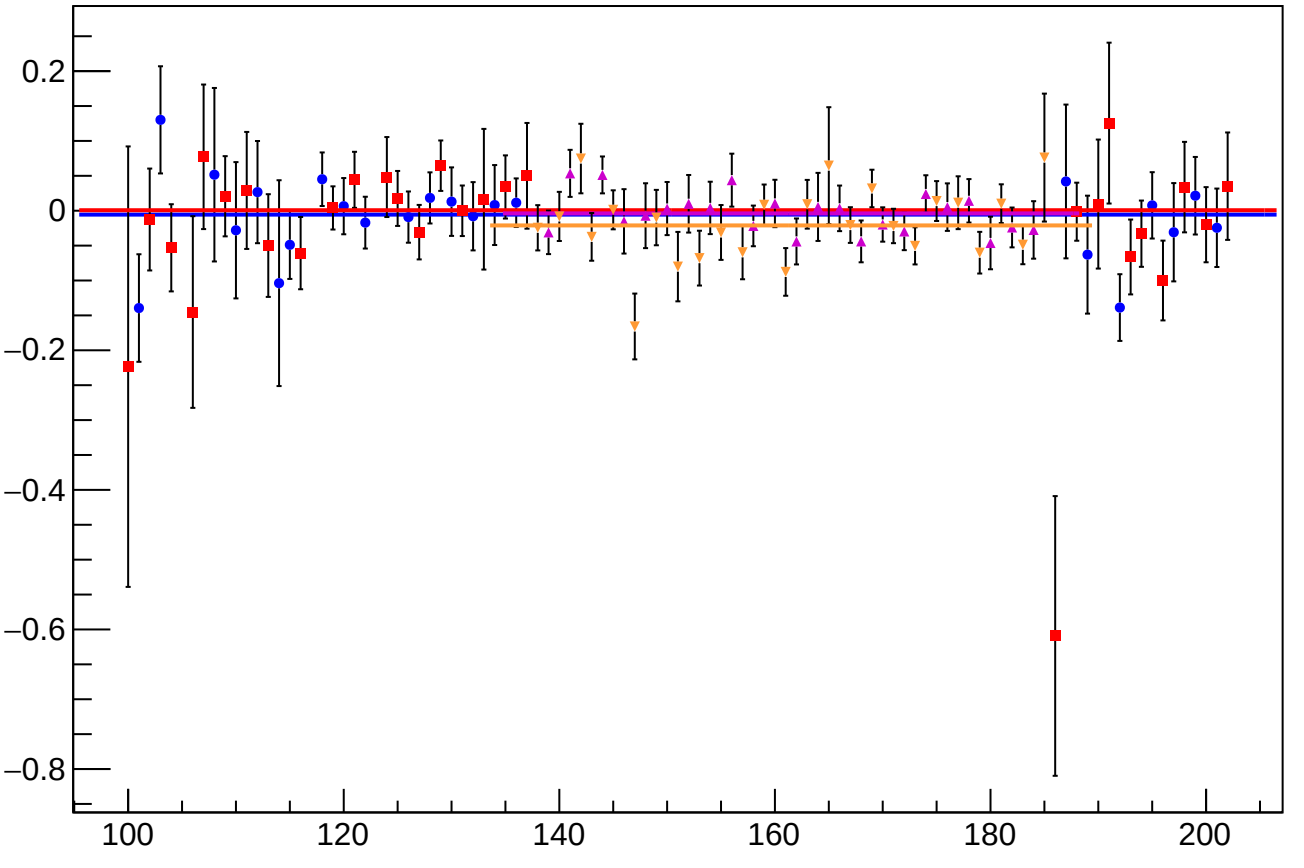
Right: -0.000+/-0.000 χ^2/NDF: 53.3/51

In: -0.000+/-0.000 χ^2/NDF:40.8/45

Out: -0.000+/-0.000 χ^2/NDF:60.7/53

All: -0.000+/-0.000 χ^2/NDF: 101.5/99


asym_sam_15_26_dd_reg_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
Right In: 0.000+/-0.000 χ²/NDF: 5863830.0/22
Left Out: 0.000+/-0.000 χ²/NDF:2000233.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4616138.2/28
Left In: 0.000+/-0.000 χ²/NDF:1604062.0/22
Left: 0.000+/-0.000 χ²/NDF: 3606525.6/47
Right: 0.000+/-0.000 χ²/NDF: 11929112.4/51
In: 0.000+/-0.000 χ²/NDF:8766498.8/45
Out: 0.000+/-0.000 χ²/NDF:11372201.2/53
All: 0.000+/-0.000 χ²/NDF: 20138777.8/99



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

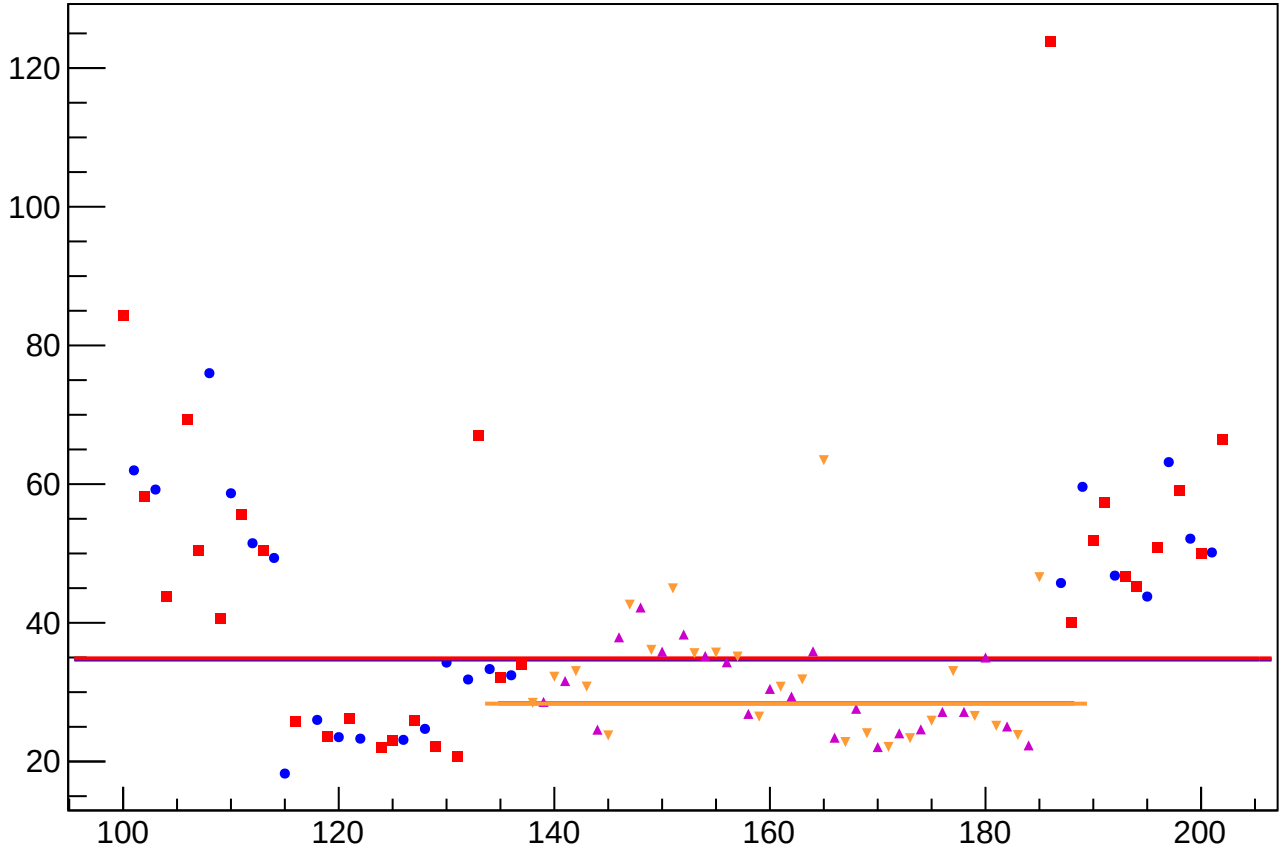
Right: -0.002+/-0.007 χ^2/NDF: 47.9/51

In: -0.004+/-0.006 χ^2/NDF:38.3/45

Out: -0.014+/-0.006 χ^2/NDF:68.5/53

All: -0.010+/-0.004 χ^2/NDF: 108.4/99

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.709+/-0.008 χ^2/NDF: 3027584.6/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.869+/-0.007 χ^2/NDF: 3960763.0/28

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

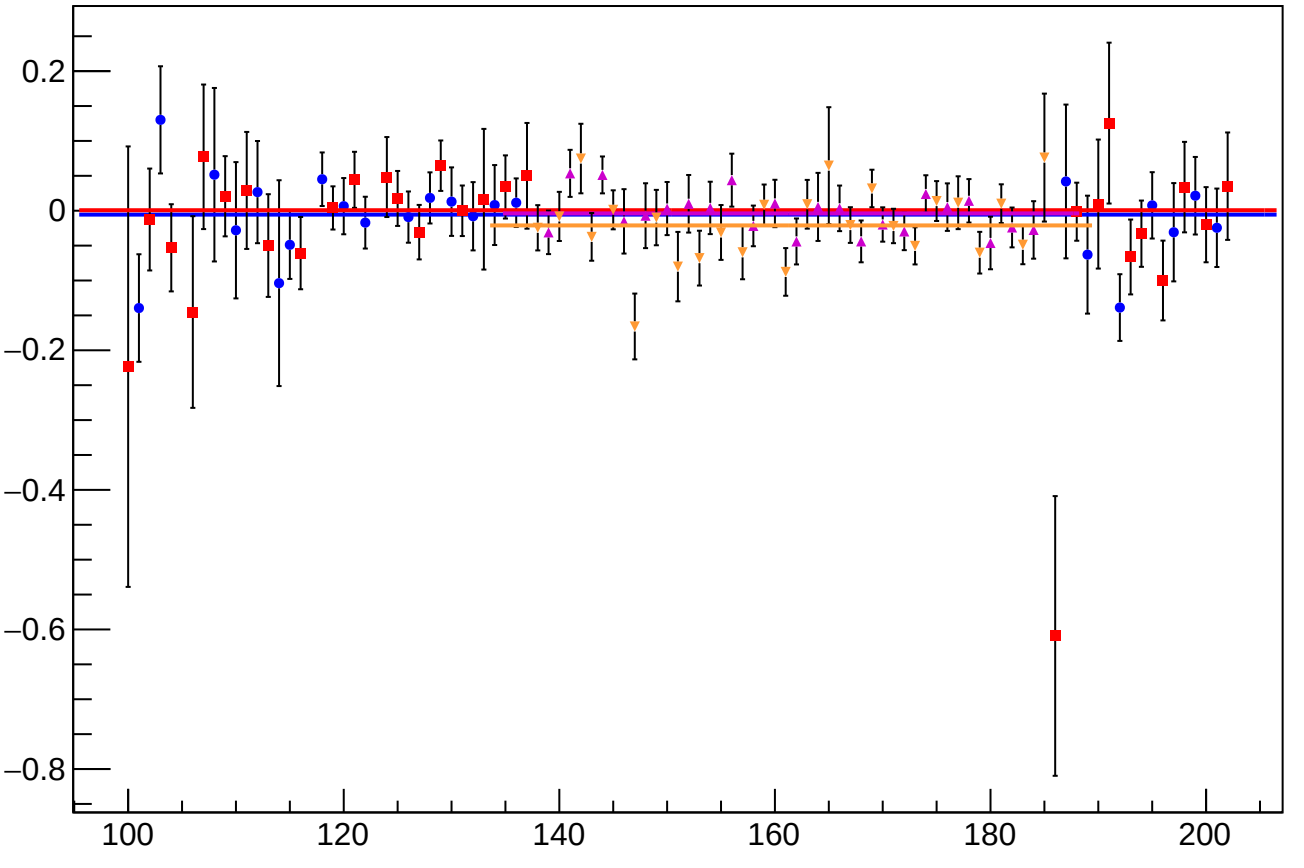
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.794+/-0.005 χ^2/NDF: 6988584.1/51

In: 30.206+/-0.004 χ^2/NDF:4614379.0/45

Out: 30.325+/-0.004 χ^2/NDF:6276259.1/53

All: 30.268+/-0.003 χ^2/NDF: 10891073.7/99



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

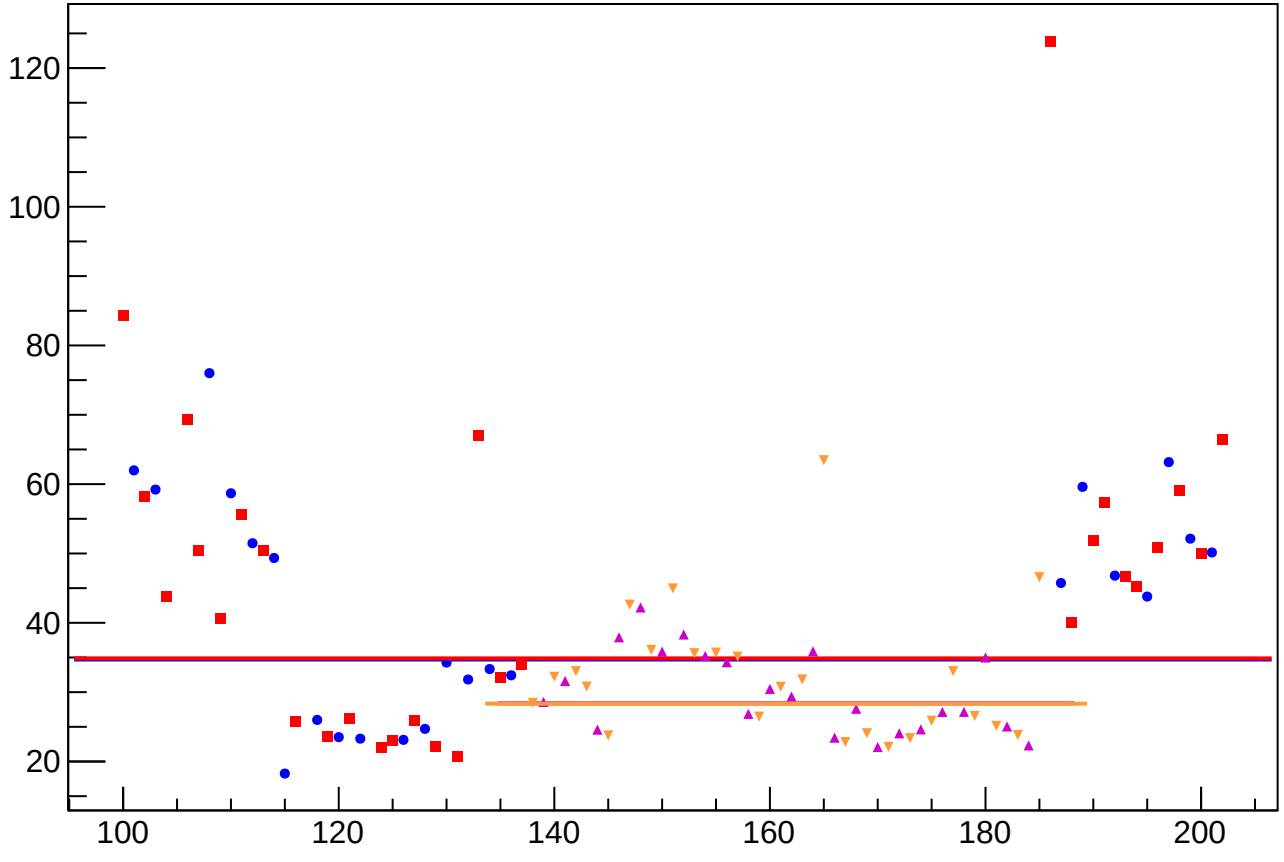
Right: -0.002+/-0.007 χ^2/NDF: 47.9/51

In: -0.004+/-0.006 χ^2/NDF:38.3/45

Out: -0.014+/-0.006 χ^2/NDF:68.5/53

All: -0.010+/-0.004 χ^2/NDF: 108.4/99

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.709+/-0.008 χ^2/NDF: 3027584.6/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.869+/-0.007 χ^2/NDF: 3960763.0/28

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

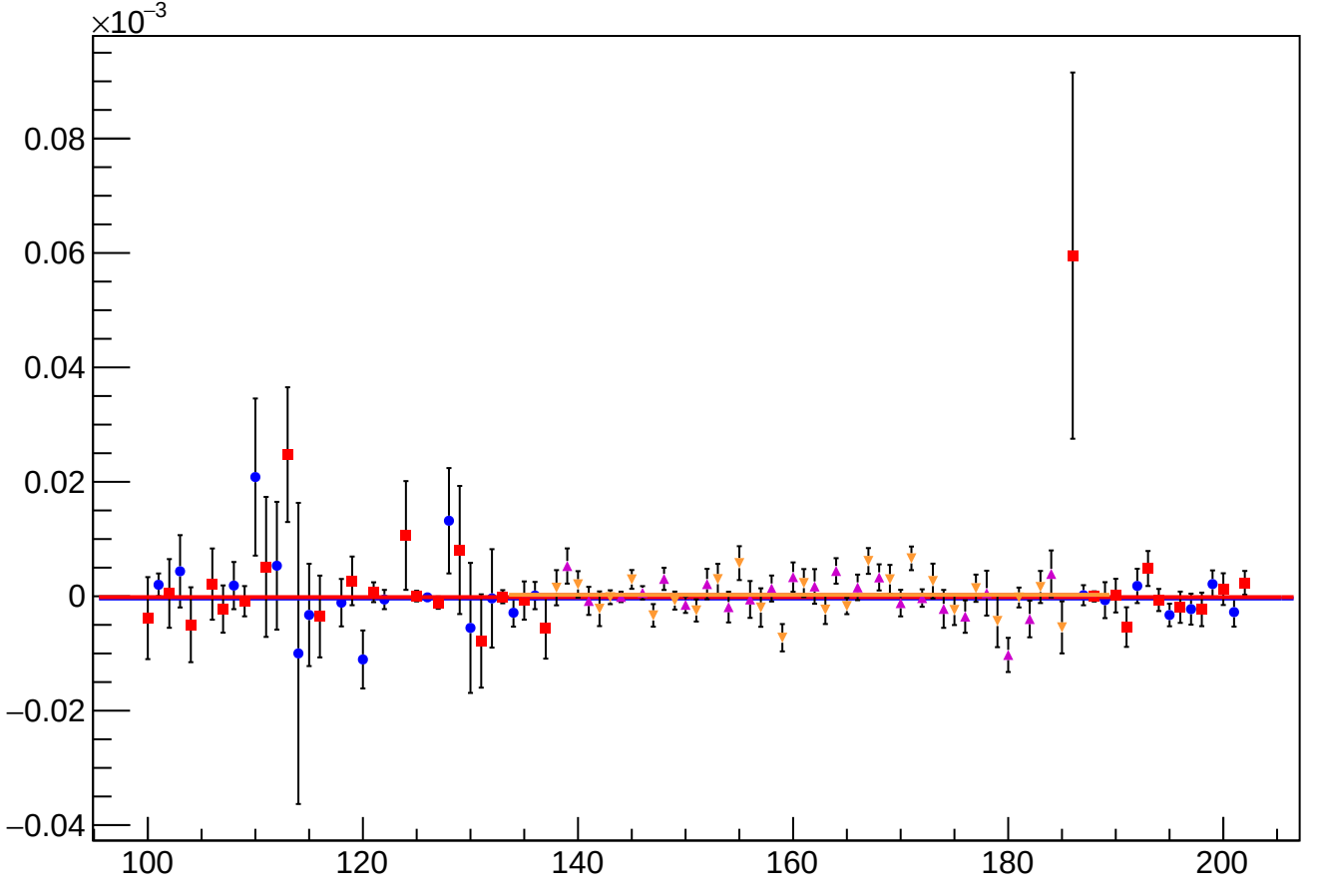
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.794+/-0.005 χ^2/NDF: 6988584.1/51

In: 30.206+/-0.004 χ^2/NDF:4614379.0/45

Out: 30.325+/-0.004 χ^2/NDF:6276259.1/53

All: 30.268+/-0.003 χ^2/NDF: 10891073.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/28

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

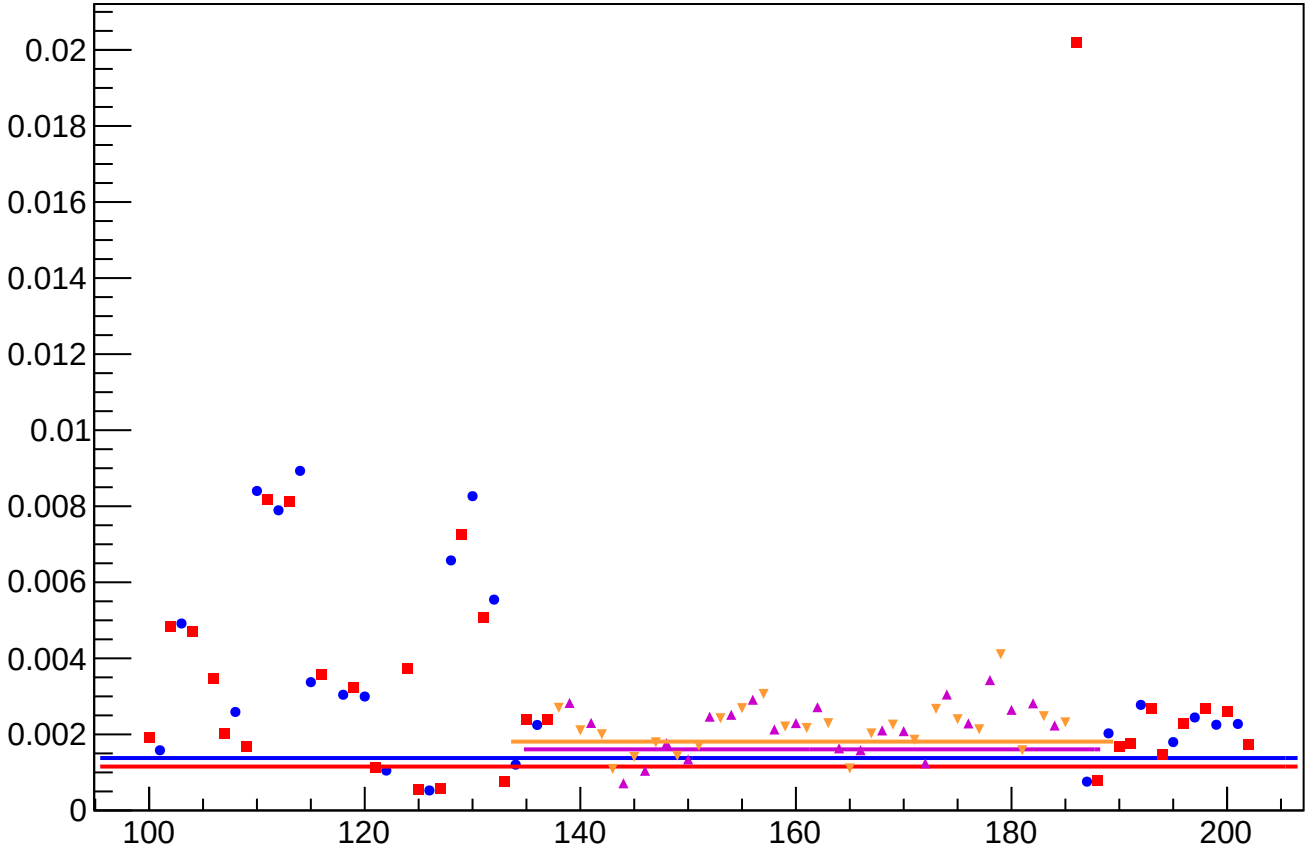
Right: -0.000+/-0.000 χ^2/NDF: 41.3/51

In: -0.000+/-0.000 χ^2/NDF:52.6/45

Out: 0.000+/-0.000 χ^2/NDF:73.9/53

All: 0.000+/-0.000 χ^2/NDF: 126.6/99

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8810398.4/22

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10405069.0/28

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

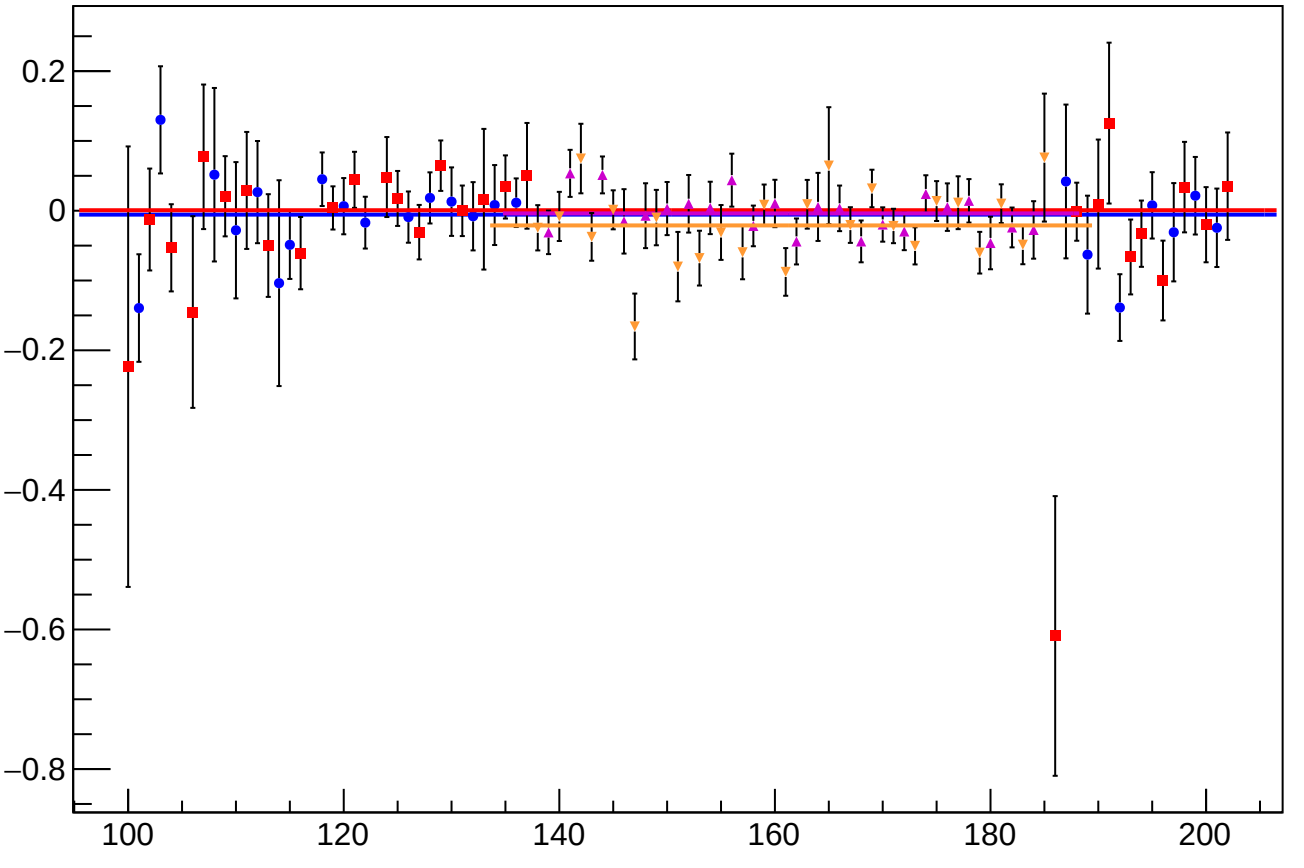
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 19455360.2/51

In: 0.002+/-0.000 χ^2/NDF:15083513.4/45

Out: 0.001+/-0.000 χ^2/NDF:16281579.2/53

All: 0.001+/-0.000 χ^2/NDF: 31394809.1/99



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

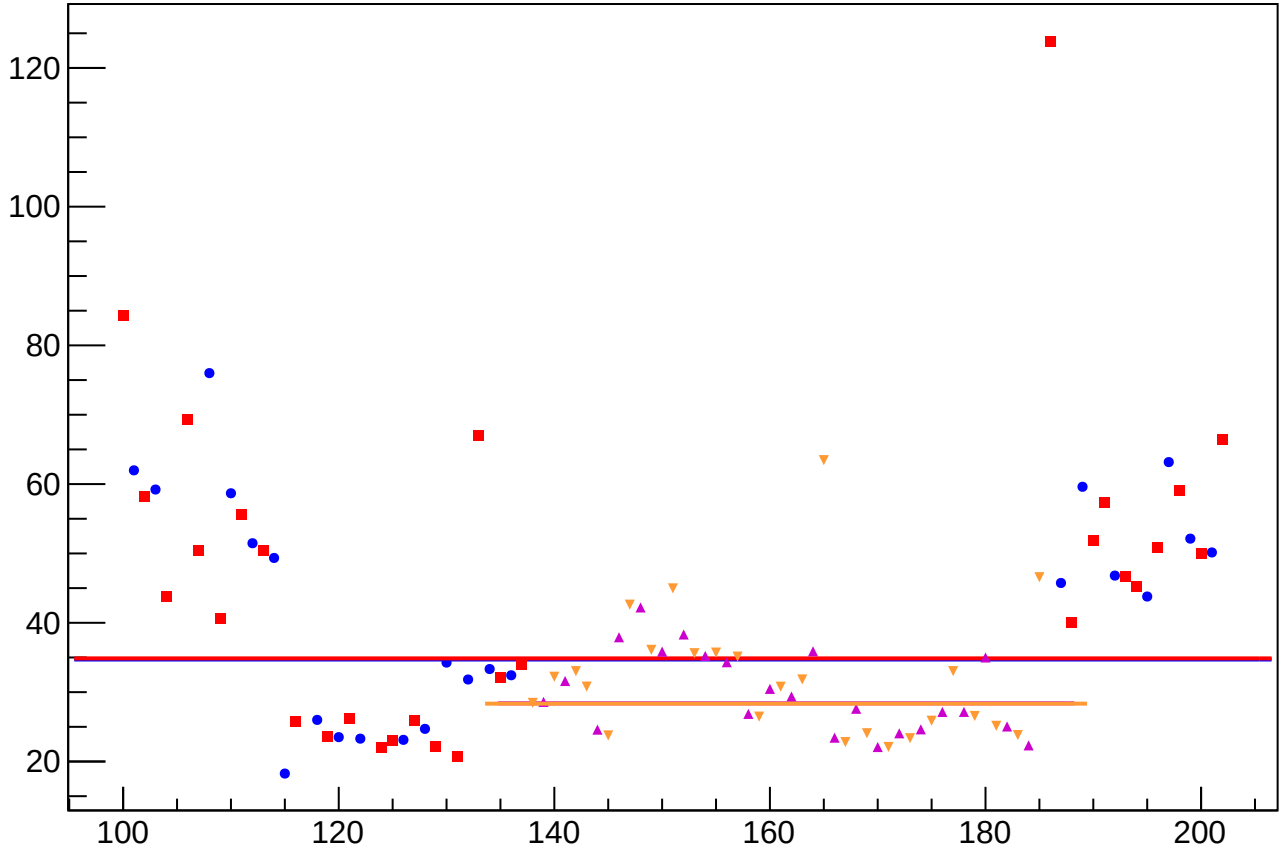
Right: -0.002+/-0.007 χ^2/NDF: 47.9/51

In: -0.004+/-0.006 χ^2/NDF:38.3/45

Out: -0.014+/-0.006 χ^2/NDF:68.5/53

All: -0.010+/-0.004 χ^2/NDF: 108.4/99

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.709+/-0.008 χ^2/NDF: 3027455.7/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.869+/-0.007 χ^2/NDF: 3960869.1/28

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

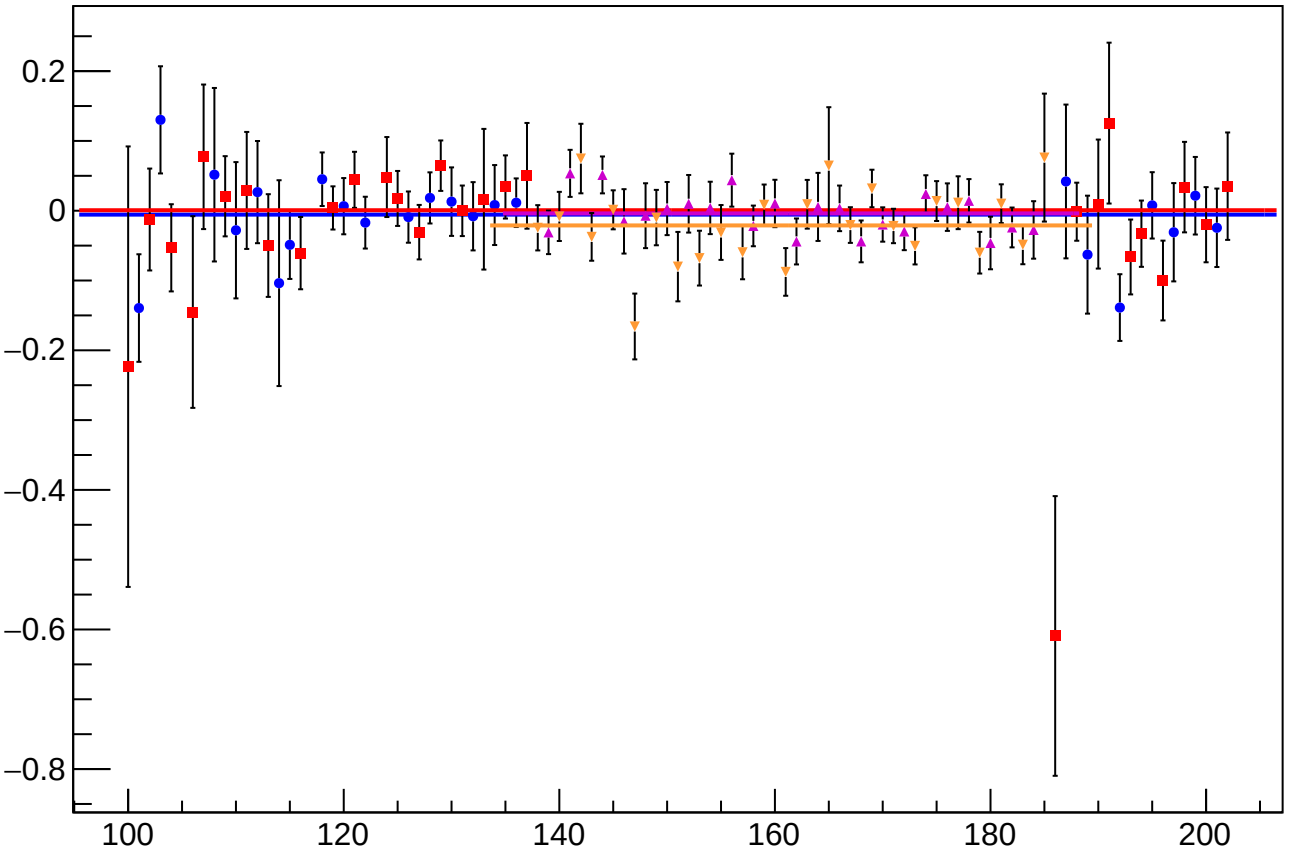
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.794+/-0.005 χ^2/NDF: 6988559.7/51

In: 30.207+/-0.004 χ^2/NDF:4614218.8/45

Out: 30.325+/-0.004 χ^2/NDF:6276263.7/53

All: 30.268+/-0.003 χ^2/NDF: 10890916.0/99



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

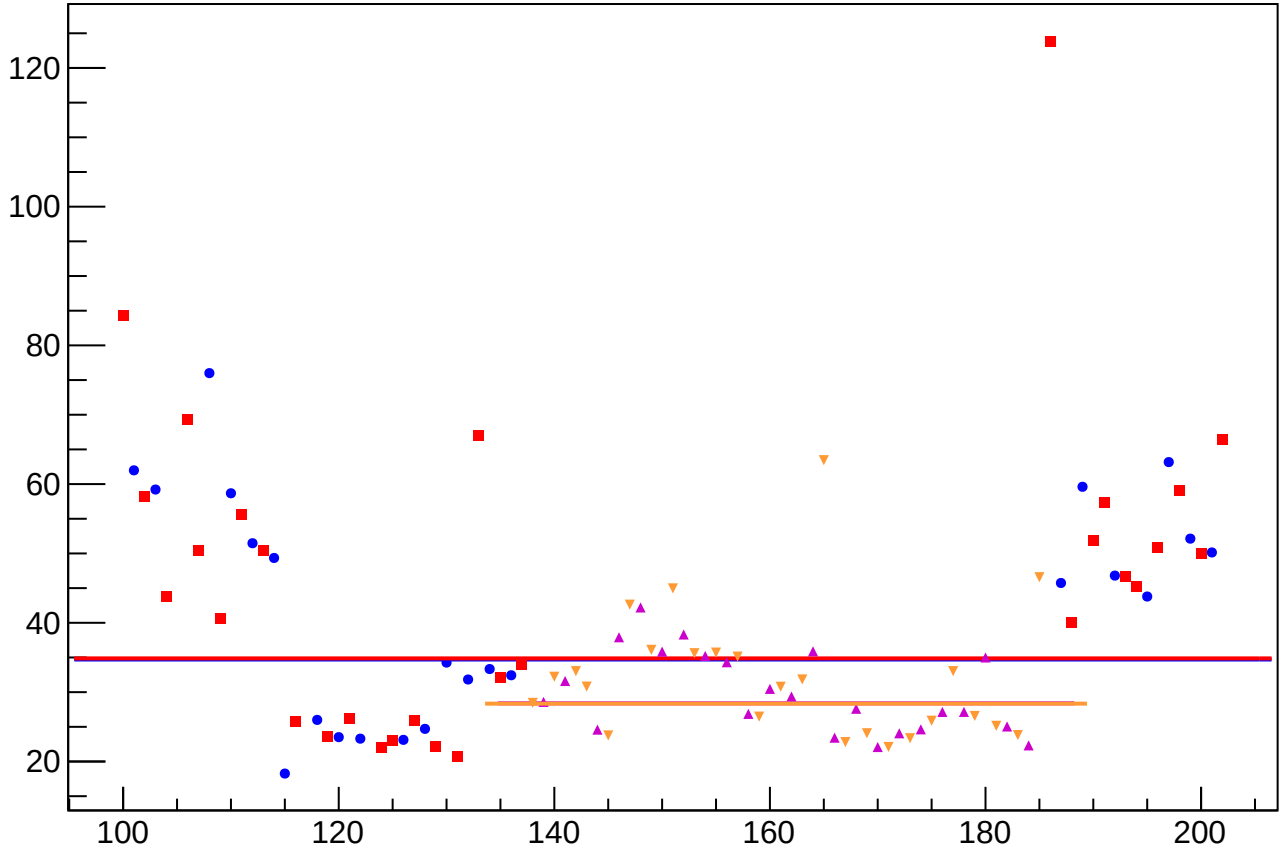
Right: -0.002+/-0.007 χ^2/NDF: 47.9/51

In: -0.004+/-0.006 χ^2/NDF:38.3/45

Out: -0.014+/-0.006 χ^2/NDF:68.5/53

All: -0.010+/-0.004 χ^2/NDF: 108.4/99

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.709+/-0.008 χ^2/NDF: 3027455.7/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.869+/-0.007 χ^2/NDF: 3960869.1/28

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

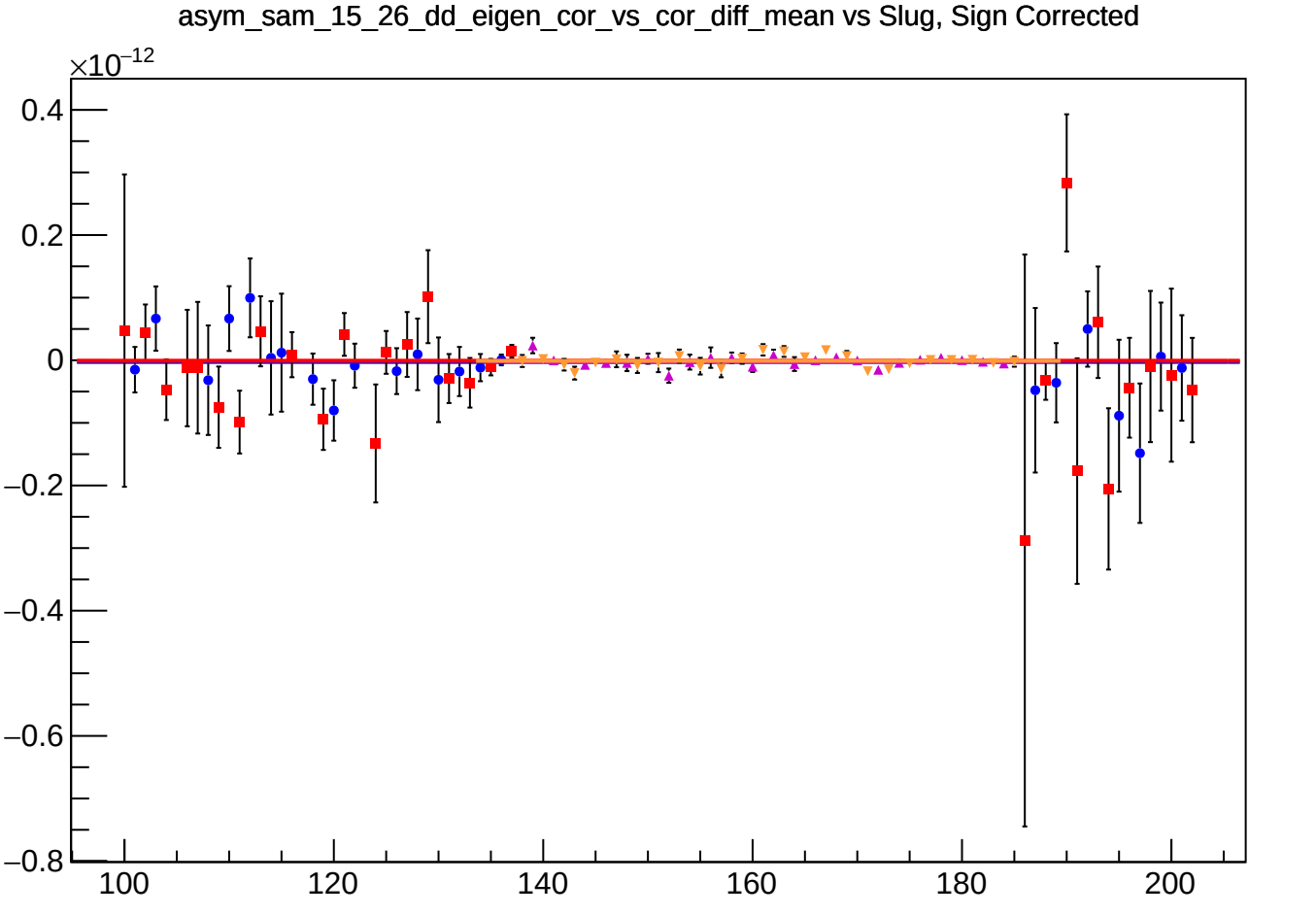
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.794+/-0.005 χ^2/NDF: 6988559.7/51

In: 30.207+/-0.004 χ^2/NDF:4614218.8/45

Out: 30.325+/-0.004 χ^2/NDF:6276263.7/53

All: 30.268+/-0.003 χ^2/NDF: 10890916.0/99



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.2/28

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

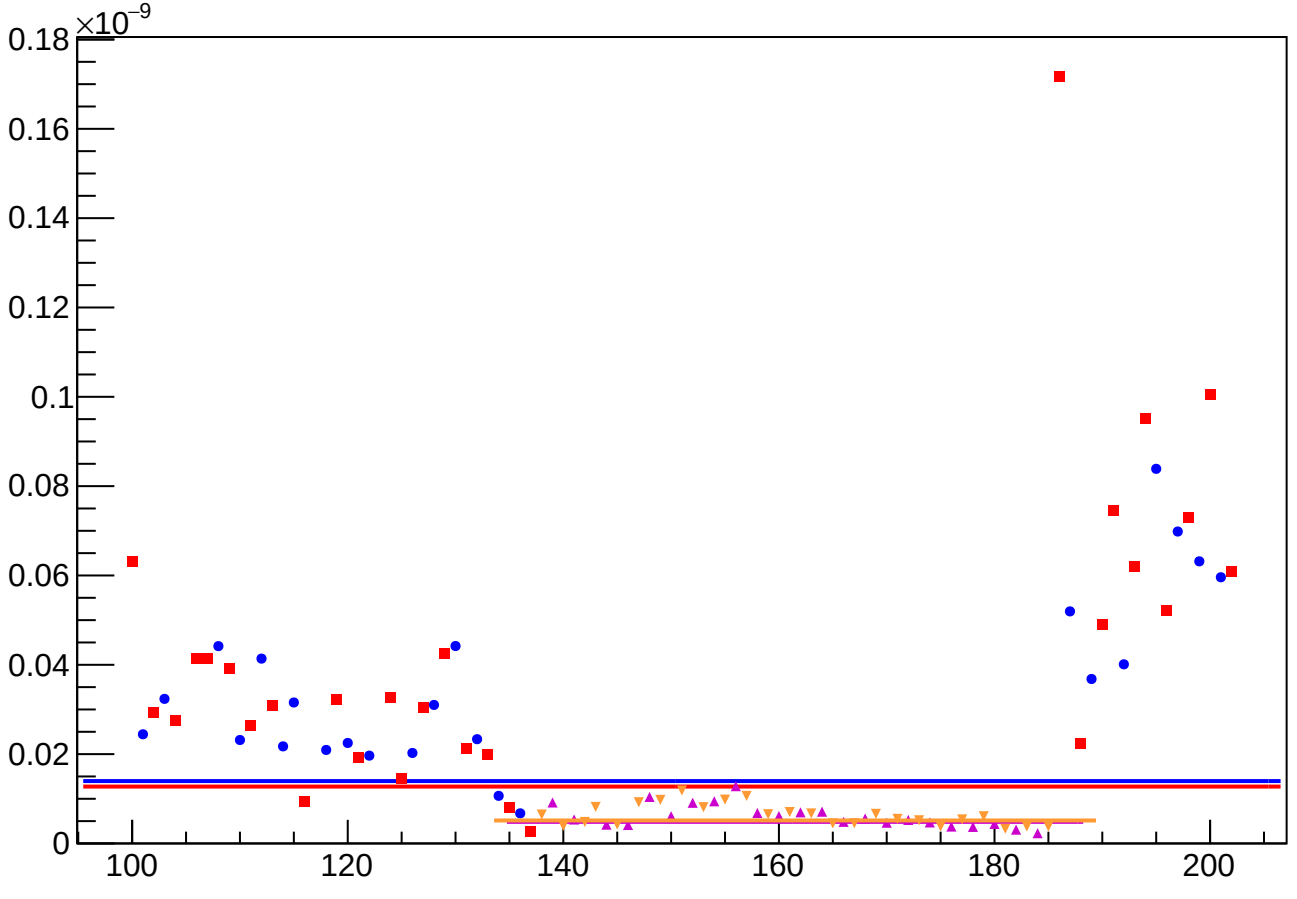
Right: -0.000+/-0.000 χ^2/NDF: 48.1/51

In: -0.000+/-0.000 χ^2/NDF:33.4/45

Out: -0.000+/-0.000 χ^2/NDF:68.3/53

All: -0.000+/-0.000 χ^2/NDF: 101.9/99

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6778143.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9770121.5/28

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

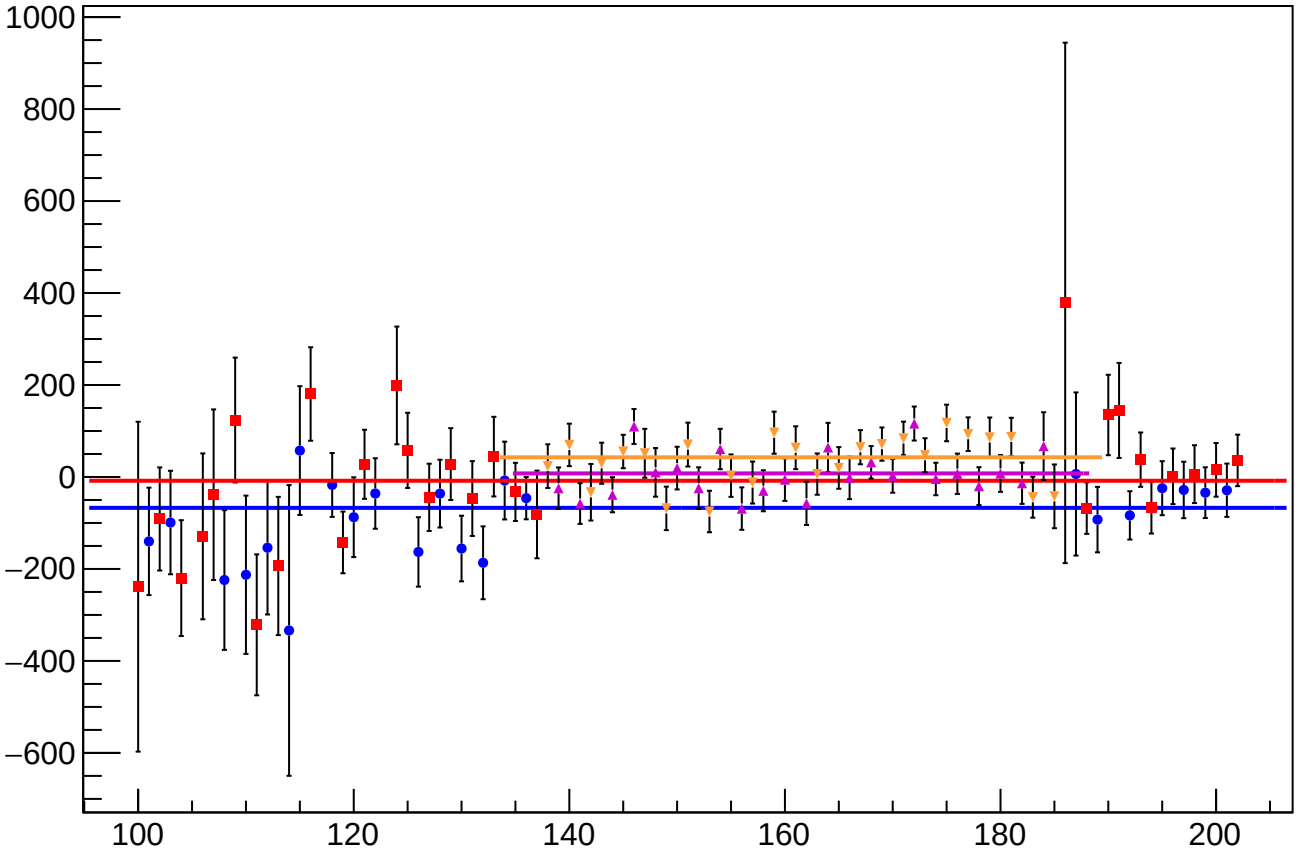
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 16583568.0/51

In: 0.000+/-0.000 χ^2/NDF:13403051.9/45

Out: 0.000+/-0.000 χ^2/NDF:15466114.1/53

All: 0.000+/-0.000 χ^2/NDF: 28906696.2/99



Right In: -67.112+/-15.911 χ^2/NDF: 13.3/22

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -8.175+/-15.179 χ^2/NDF: 32.7/28

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

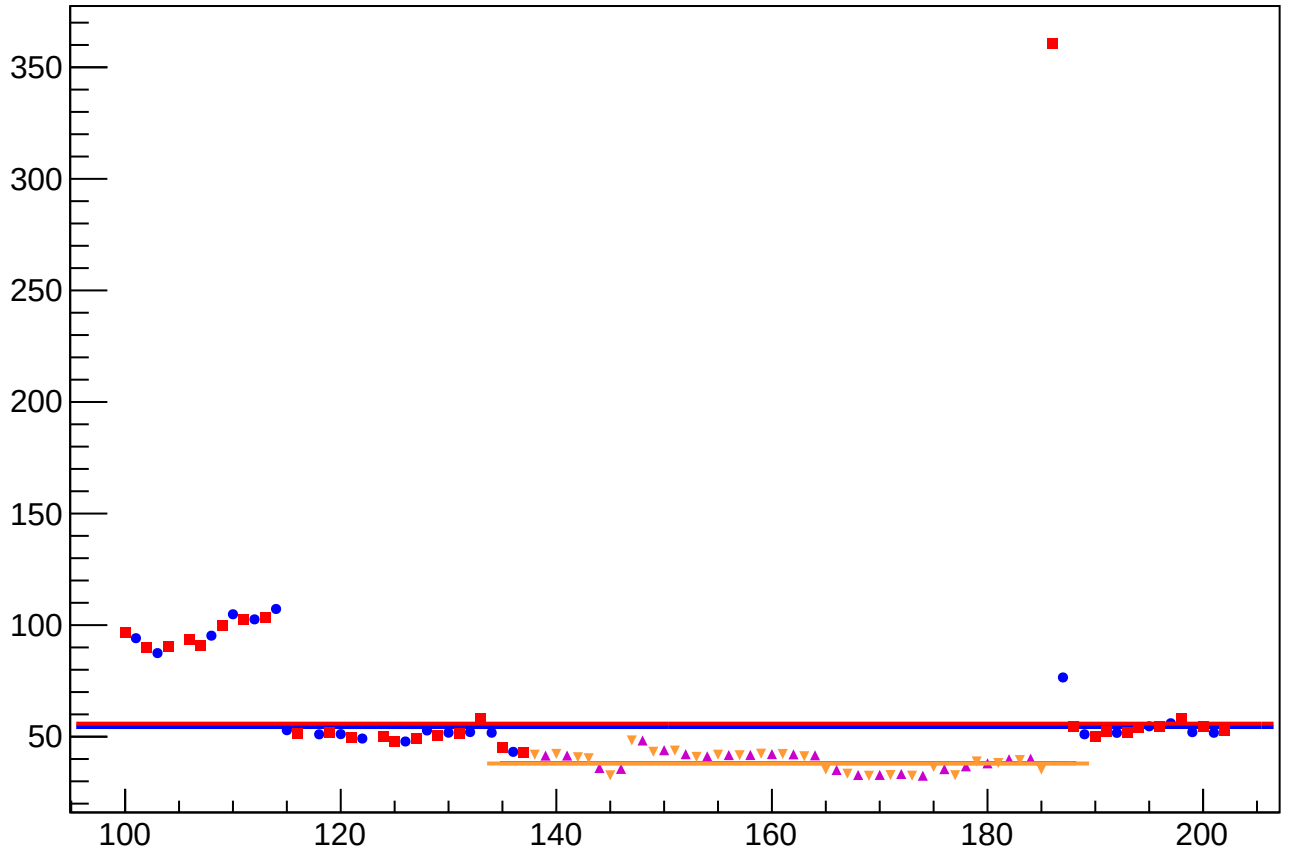
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -36.257+/-10.983 χ^2/NDF: 53.1/51

In: -10.293+/-7.817 χ^2/NDF:60.7/45

Out: 30.172+/-7.547 χ^2/NDF:75.9/53

All: 10.650+/-5.429 χ^2/NDF: 150.4/99



Right In: 54.337+/-0.011 χ^2/NDF: 1205329.0/22

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 55.845+/-0.011 χ^2/NDF: 1907675.4/28

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

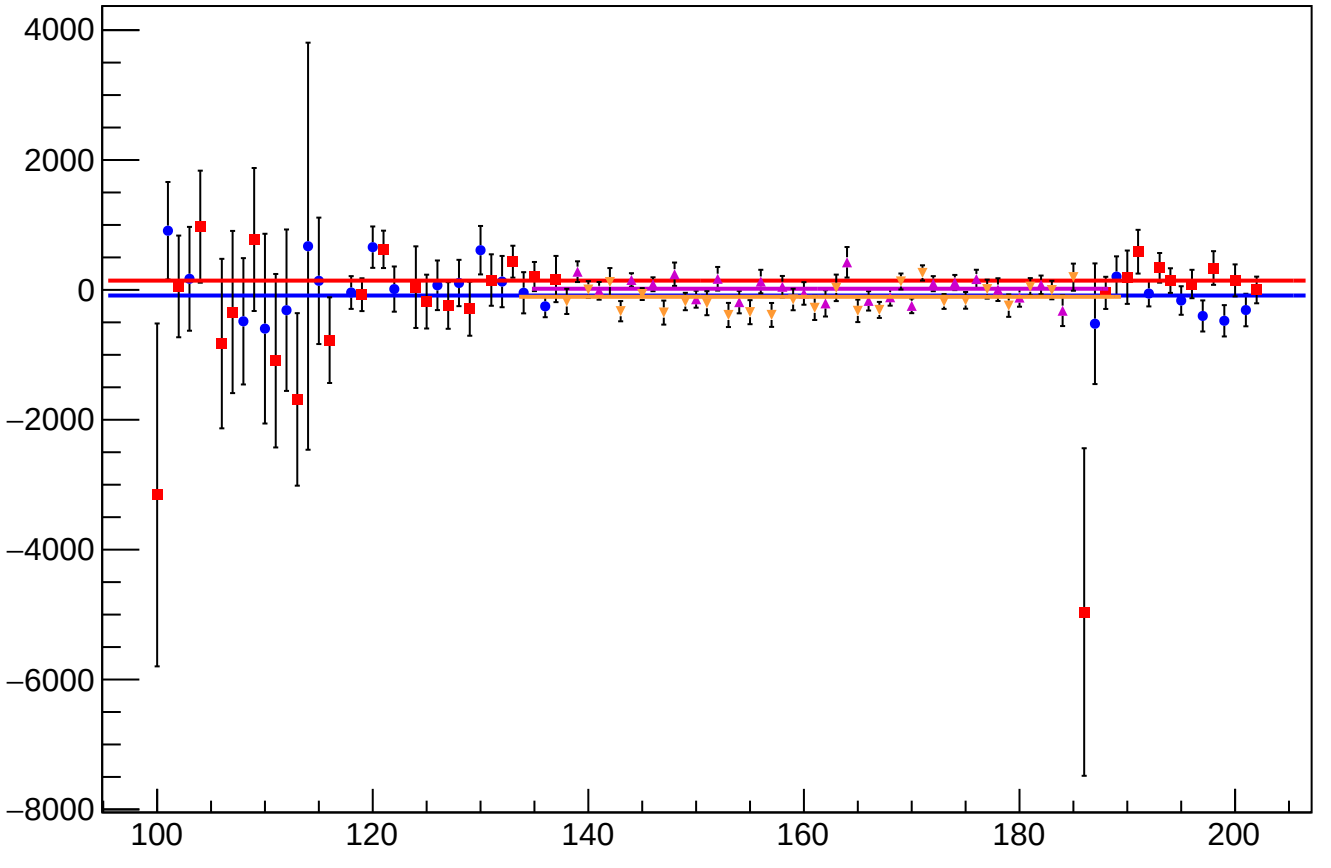
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.126+/-0.008 χ^2/NDF: 3122400.3/51

In: 42.044+/-0.006 χ^2/NDF:3207494.3/45

Out: 42.404+/-0.005 χ^2/NDF:4504569.3/53

All: 42.230+/-0.004 χ^2/NDF: 7714256.2/99



Right In: -86.778+/-67.045 χ^2/NDF: 19.5/22

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 142.820+/-61.657 χ^2/NDF: 24.4/28

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

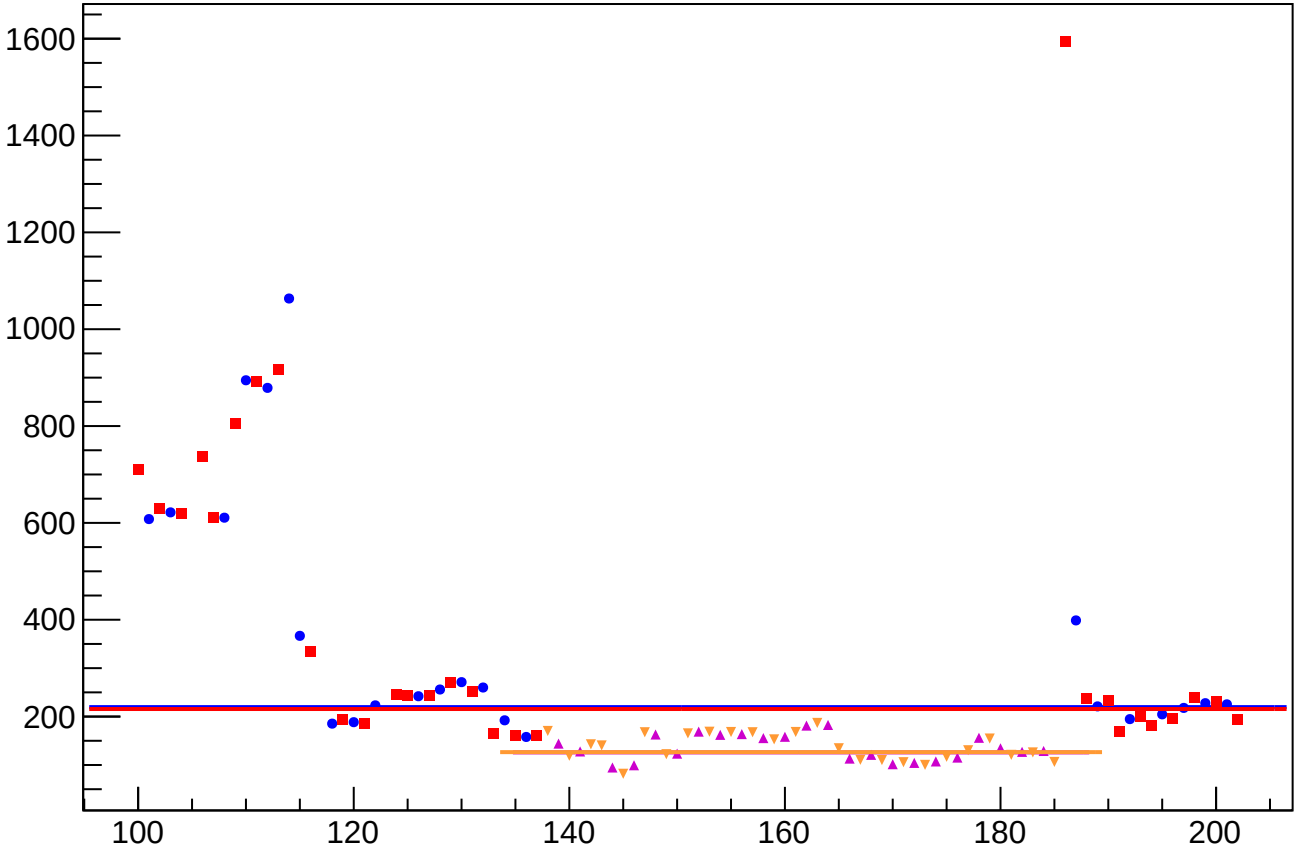
Right: 37.617+/-45.383 χ^2/NDF: 50.2/51

In: -0.061+/-27.524 χ^2/NDF:49.8/45

Out: -59.900+/-26.657 χ^2/NDF:75.3/53

All: -30.938+/-19.149 χ^2/NDF: 127.5/99

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 219.533+/-0.047 χ^2/NDF: 3091001.7/22

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 215.623+/-0.044 χ^2/NDF: 4458737.2/28

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

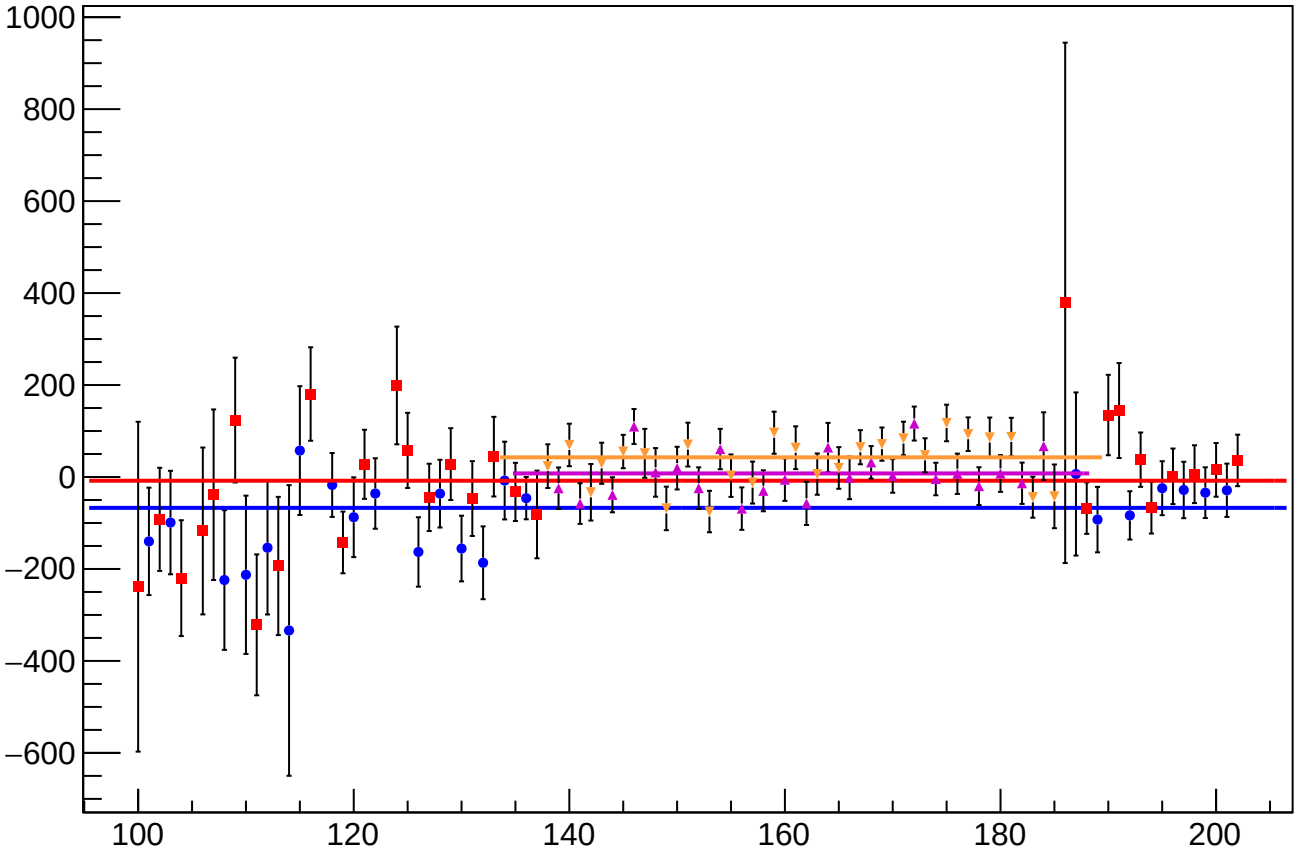
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 217.415+/-0.032 χ^2/NDF: 7553423.9/51

In: 141.775+/-0.019 χ^2/NDF:7737189.7/45

Out: 143.209+/-0.019 χ^2/NDF:9609922.8/53

All: 142.515+/-0.014 χ^2/NDF: 17349913.3/99



Right In: -67.110+/-15.911 χ^2/NDF: 13.3/22

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -8.101+/-15.179 χ^2/NDF: 32.6/28

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

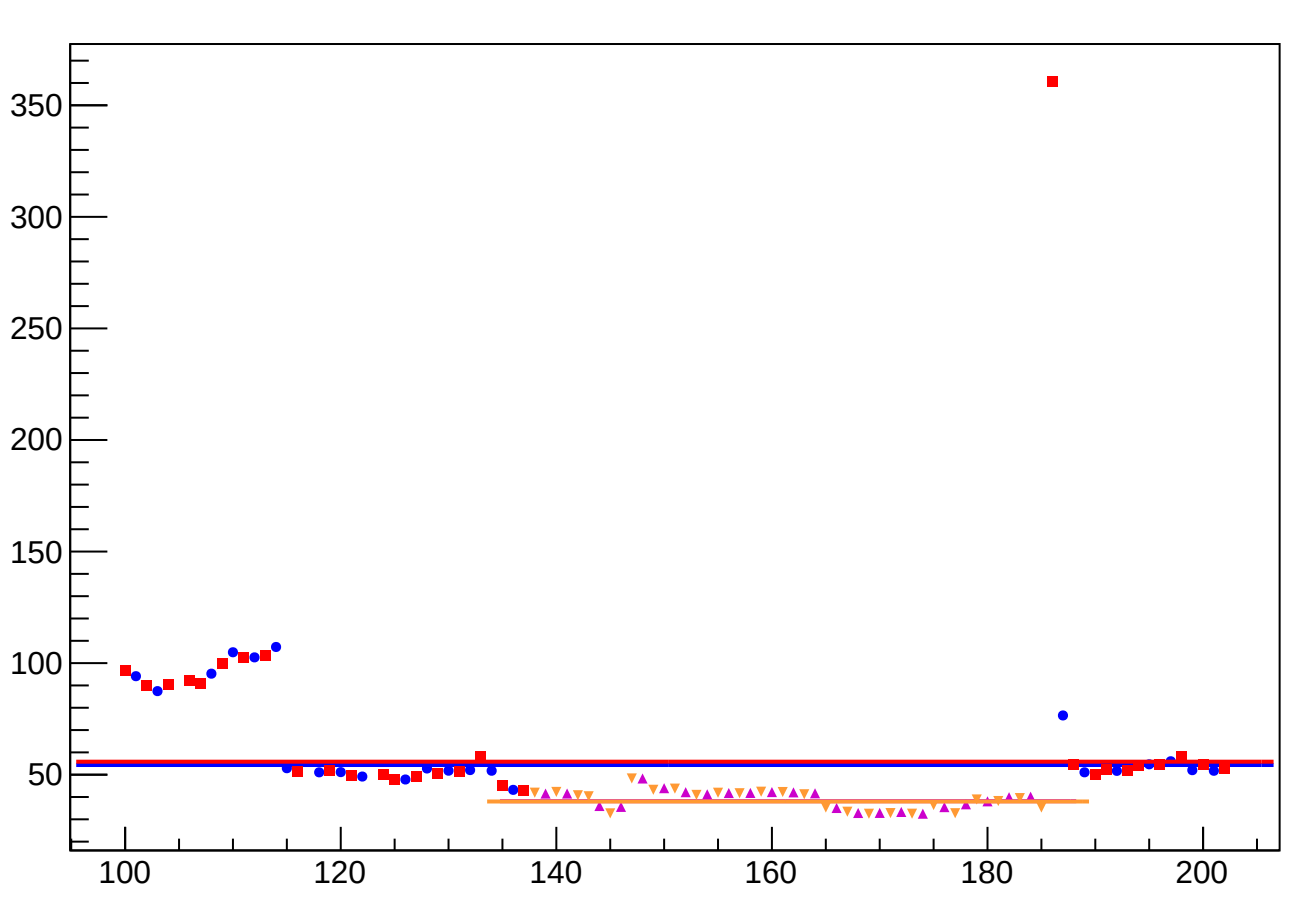
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -36.218+/-10.983 χ^2/NDF: 53.1/51

In: -10.292+/-7.817 χ^2/NDF:60.7/45

Out: 30.193+/-7.547 χ^2/NDF:75.8/53

All: 10.661+/-5.429 χ^2/NDF: 150.3/99



Right In: 54.337+/-0.011 χ^2/NDF: 1205329.3/22

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 55.831+/-0.011 χ^2/NDF: 1899872.1/28

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

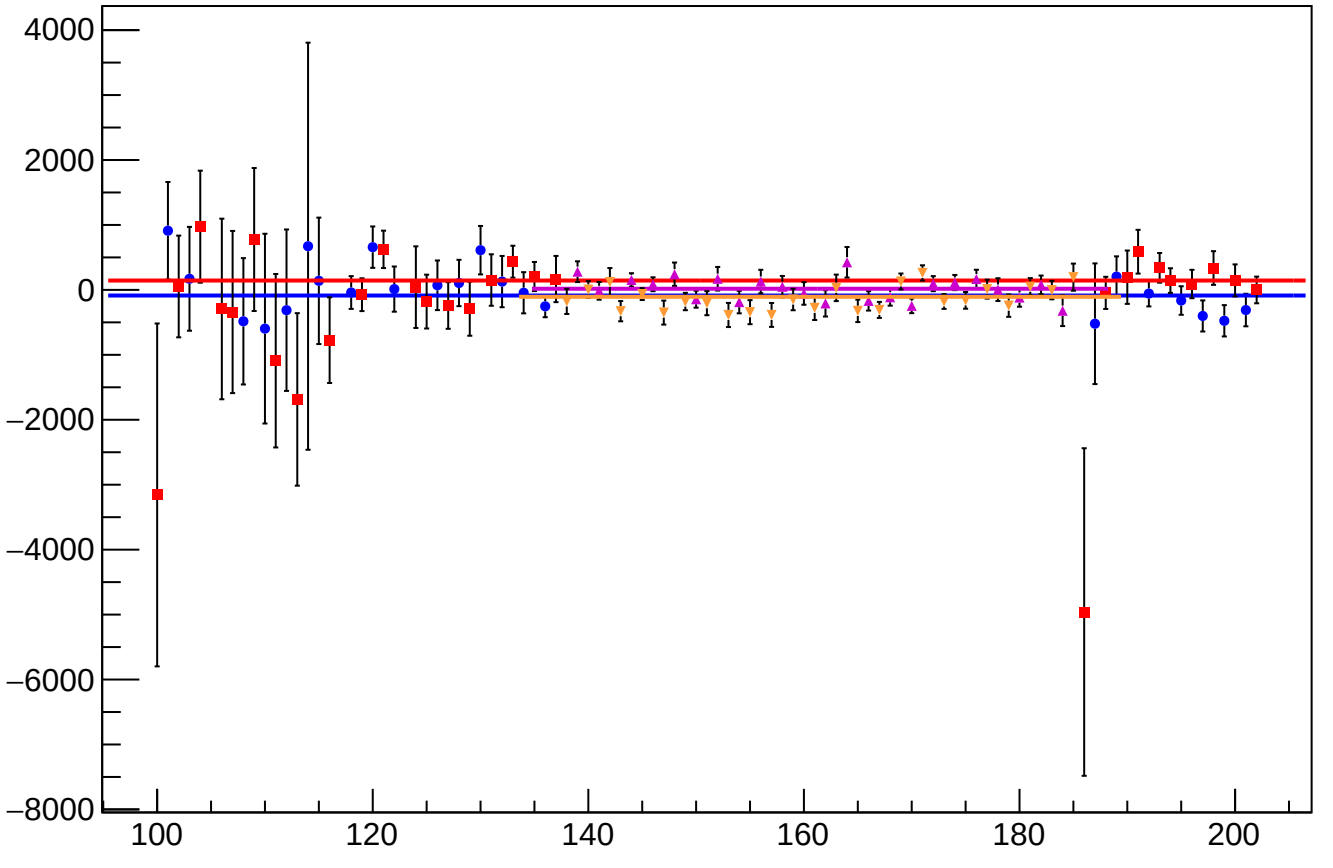
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.119+/-0.008 χ^2/NDF: 3114425.6/51

In: 42.044+/-0.006 χ^2/NDF:3207494.5/45

Out: 42.400+/-0.005 χ^2/NDF:4493401.7/53

All: 42.228+/-0.004 χ^2/NDF: 7703043.7/99



Right In: -86.775+/-67.045 χ^2/NDF: 19.5/22

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 144.110+/-61.665 χ^2/NDF: 23.9/28

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

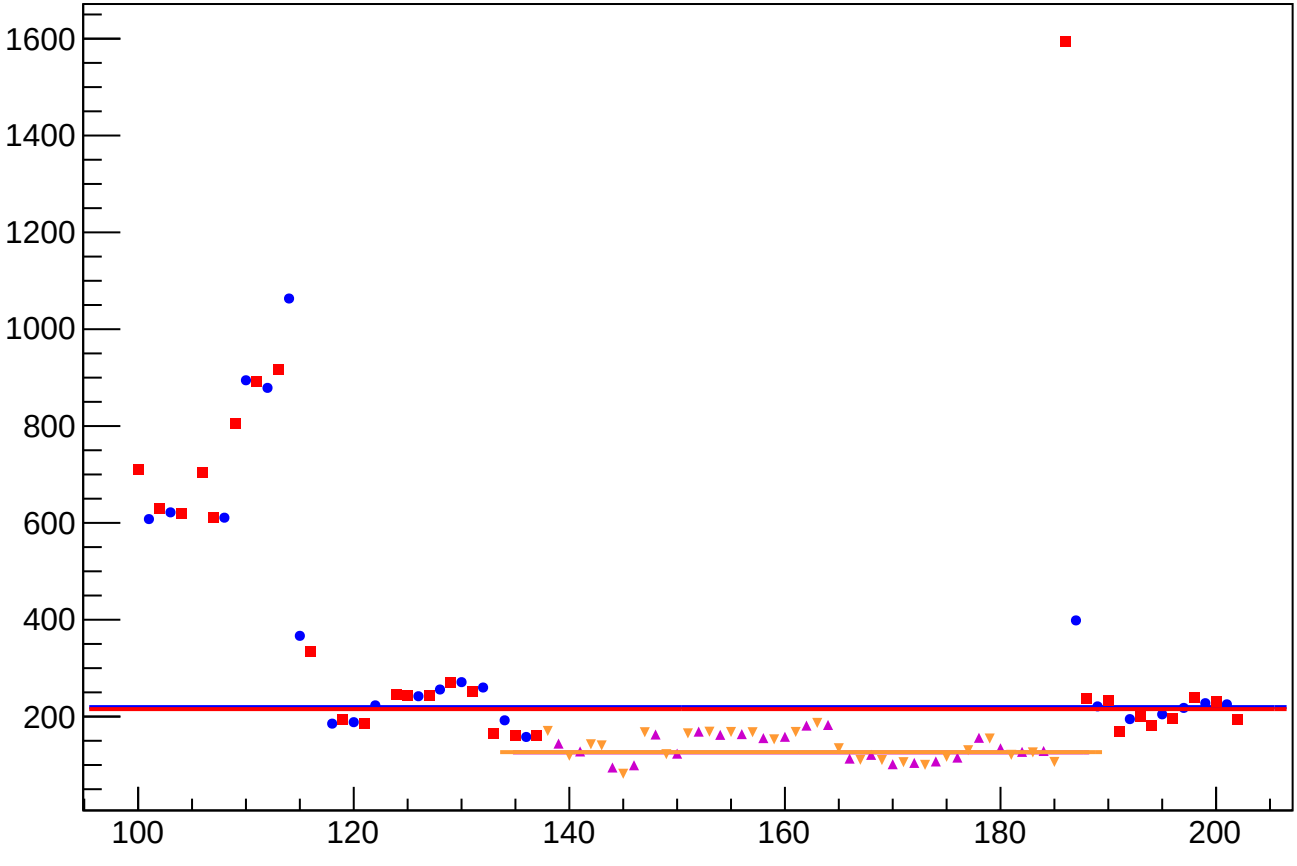
Right: 38.301+/-45.387 χ^2/NDF: 49.8/51

In: -0.060+/-27.524 χ^2/NDF:49.8/45

Out: -59.669+/-26.658 χ^2/NDF:75.0/53

All: -30.817+/-19.149 χ^2/NDF: 127.2/99

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.533+/-0.047 χ^2/NDF: 3091006.8/22

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 215.421+/-0.044 χ^2/NDF: 4387588.9/28

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

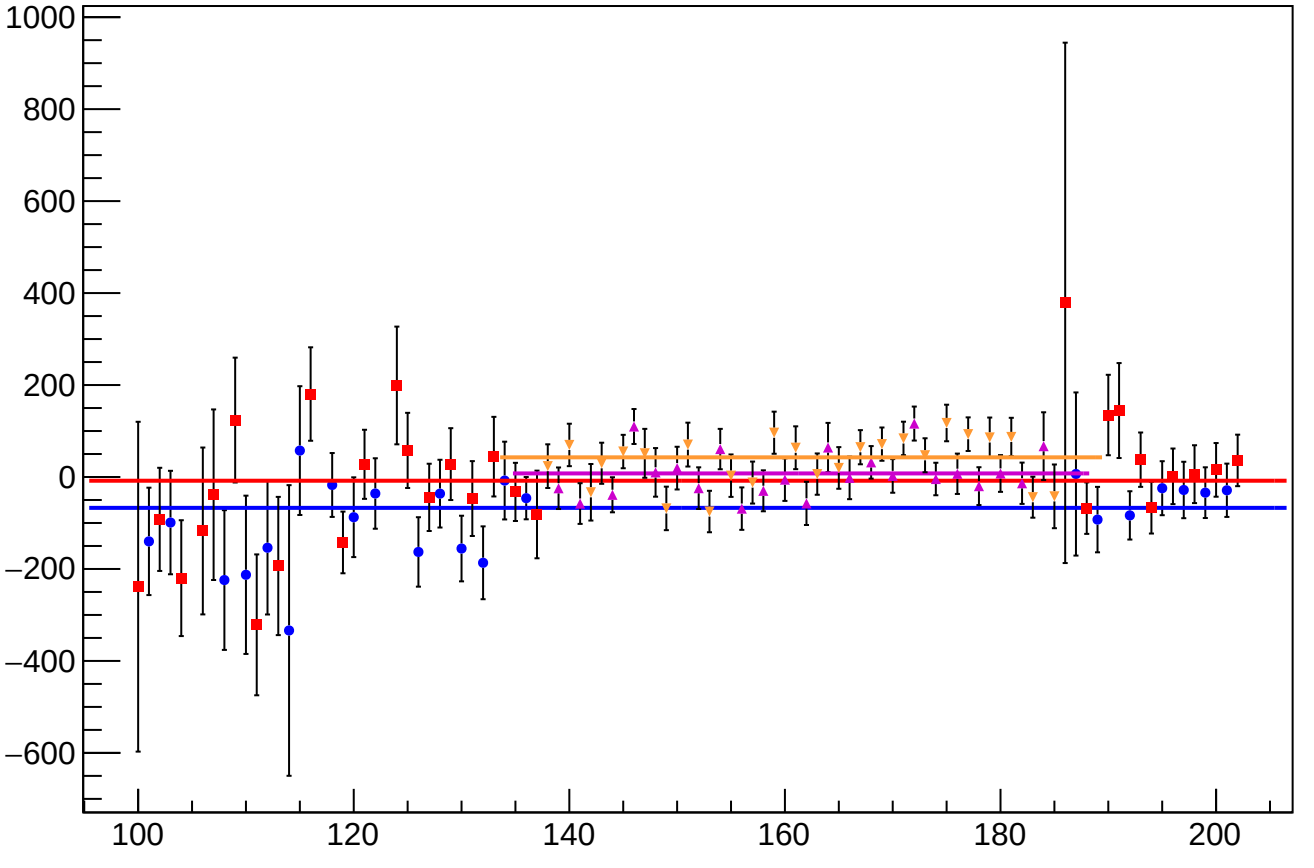
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 217.306+/-0.032 χ^2/NDF: 7482670.4/51

In: 141.775+/-0.019 χ^2/NDF:7737209.6/45

Out: 143.168+/-0.019 χ^2/NDF:9522664.8/53

All: 142.494+/-0.014 χ^2/NDF: 17262516.4/99



Right In: -67.110+/-15.911 χ^2/NDF: 13.3/22

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -8.101+/-15.179 χ^2/NDF: 32.6/28

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

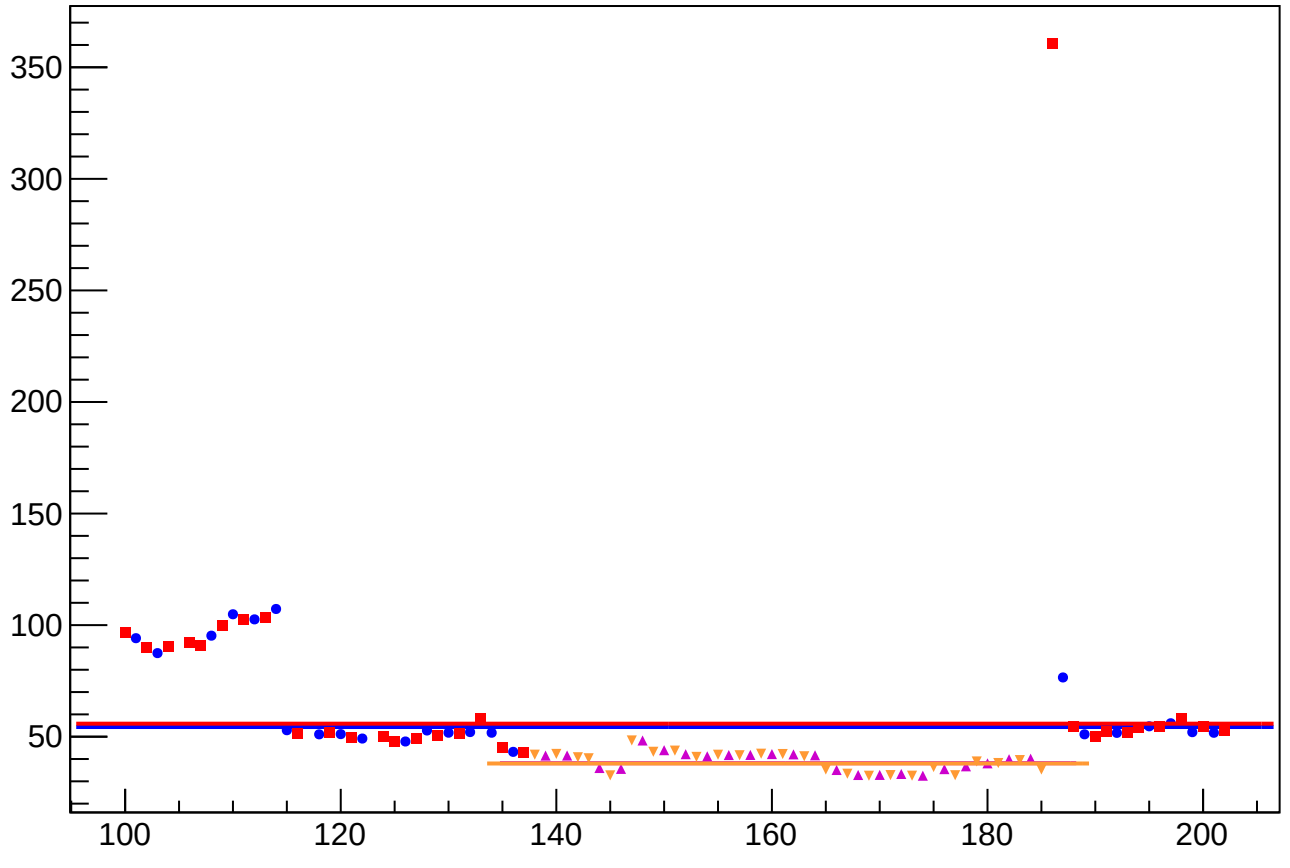
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -36.218+/-10.983 χ^2/NDF: 53.1/51

In: -10.292+/-7.817 χ^2/NDF:60.7/45

Out: 30.193+/-7.547 χ^2/NDF:75.8/53

All: 10.661+/-5.429 χ^2/NDF: 150.3/99



Right In: 54.337+/-0.011 χ^2/NDF: 1205329.3/22

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 55.831+/-0.011 χ^2/NDF: 1899872.1/28

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

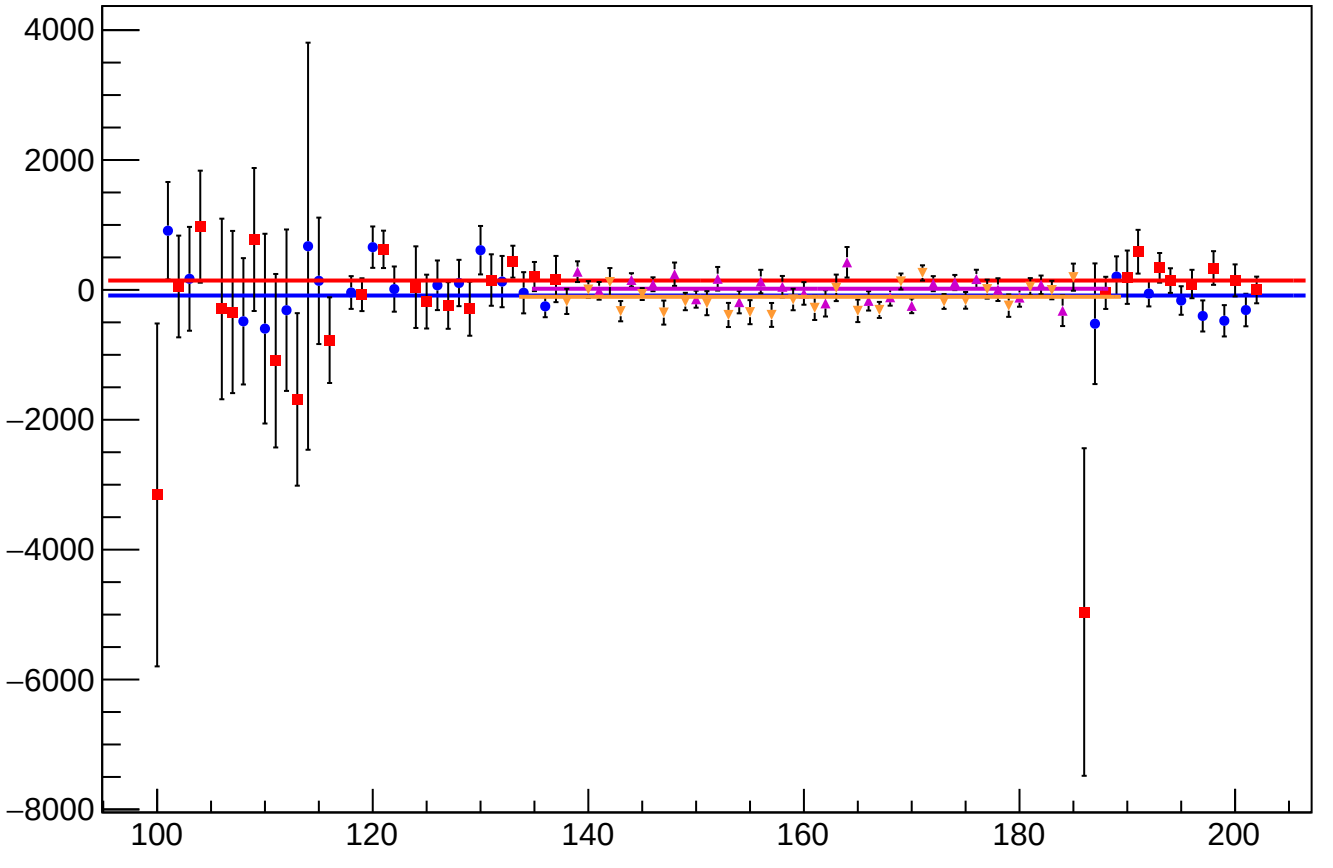
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.119+/-0.008 χ^2/NDF: 3114425.6/51

In: 42.044+/-0.006 χ^2/NDF:3207494.5/45

Out: 42.400+/-0.005 χ^2/NDF:4493401.7/53

All: 42.228+/-0.004 χ^2/NDF: 7703043.7/99



Right In: -86.775+/-67.045 χ^2/NDF: 19.5/22

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 144.110+/-61.665 χ^2/NDF: 23.9/28

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

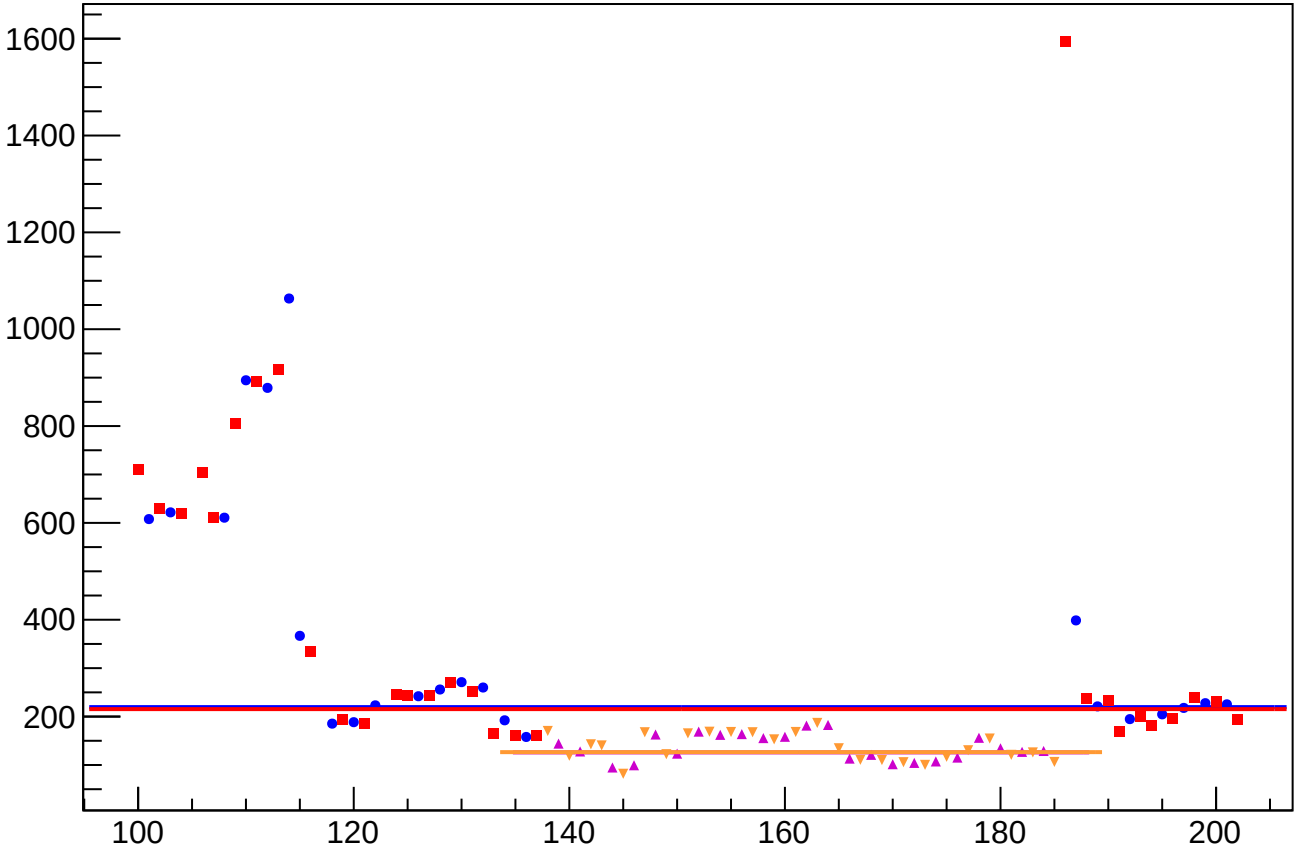
Right: 38.301+/-45.387 χ^2/NDF: 49.8/51

In: -0.060+/-27.524 χ^2/NDF:49.8/45

Out: -59.669+/-26.658 χ^2/NDF:75.0/53

All: -30.817+/-19.149 χ^2/NDF: 127.2/99

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.533+/-0.047 χ^2/NDF: 3091006.8/22

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 215.421+/-0.044 χ^2/NDF: 4387588.9/28

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

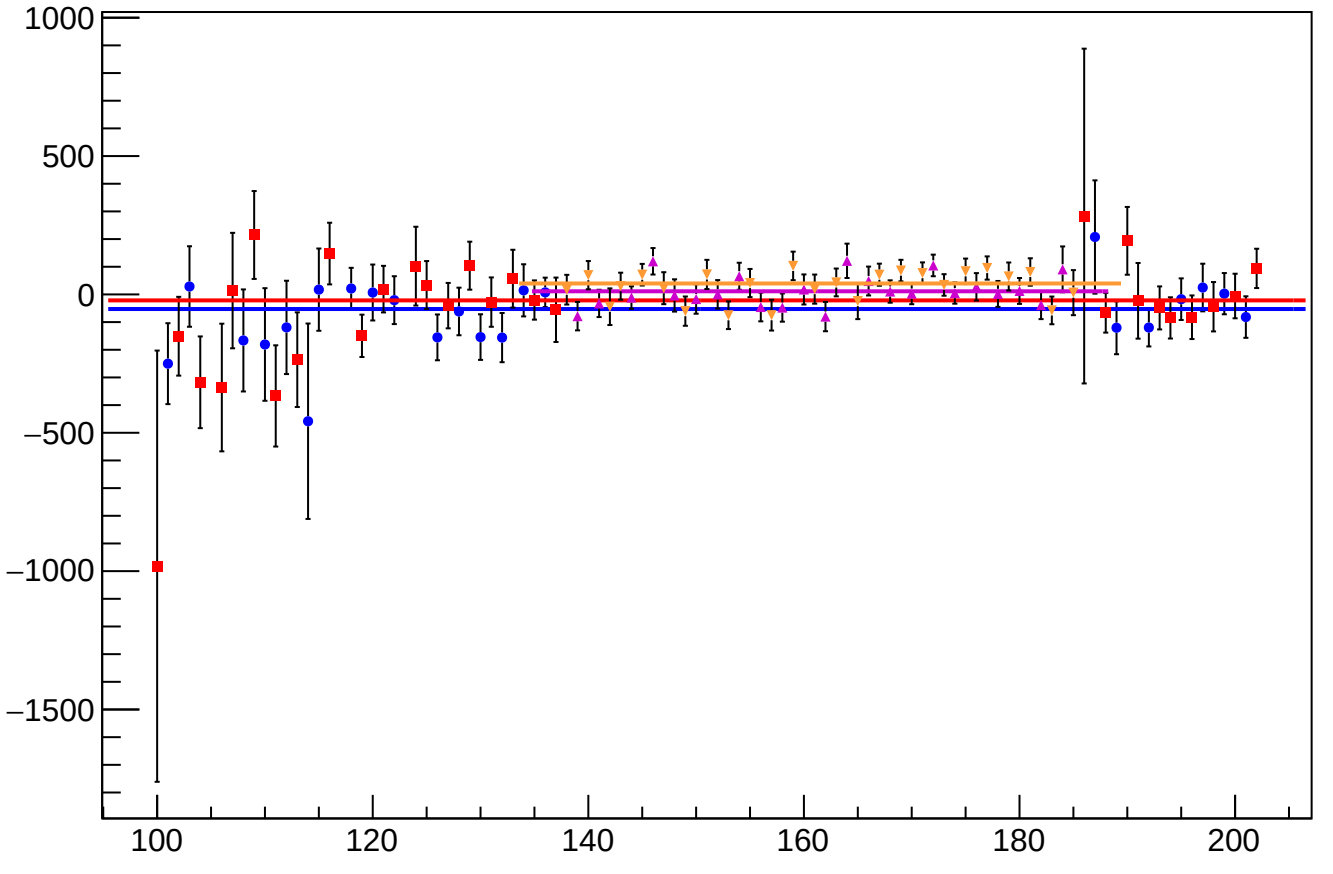
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 217.306+/-0.032 χ^2/NDF: 7482670.4/51

In: 141.775+/-0.019 χ^2/NDF:7737209.6/45

Out: 143.168+/-0.019 χ^2/NDF:9522664.8/53

All: 142.494+/-0.014 χ^2/NDF: 17262516.4/99



Right In: -52.764+/-19.300 χ^2/NDF: 17.1/22

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -21.541+/-18.627 χ^2/NDF: 32.0/28

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

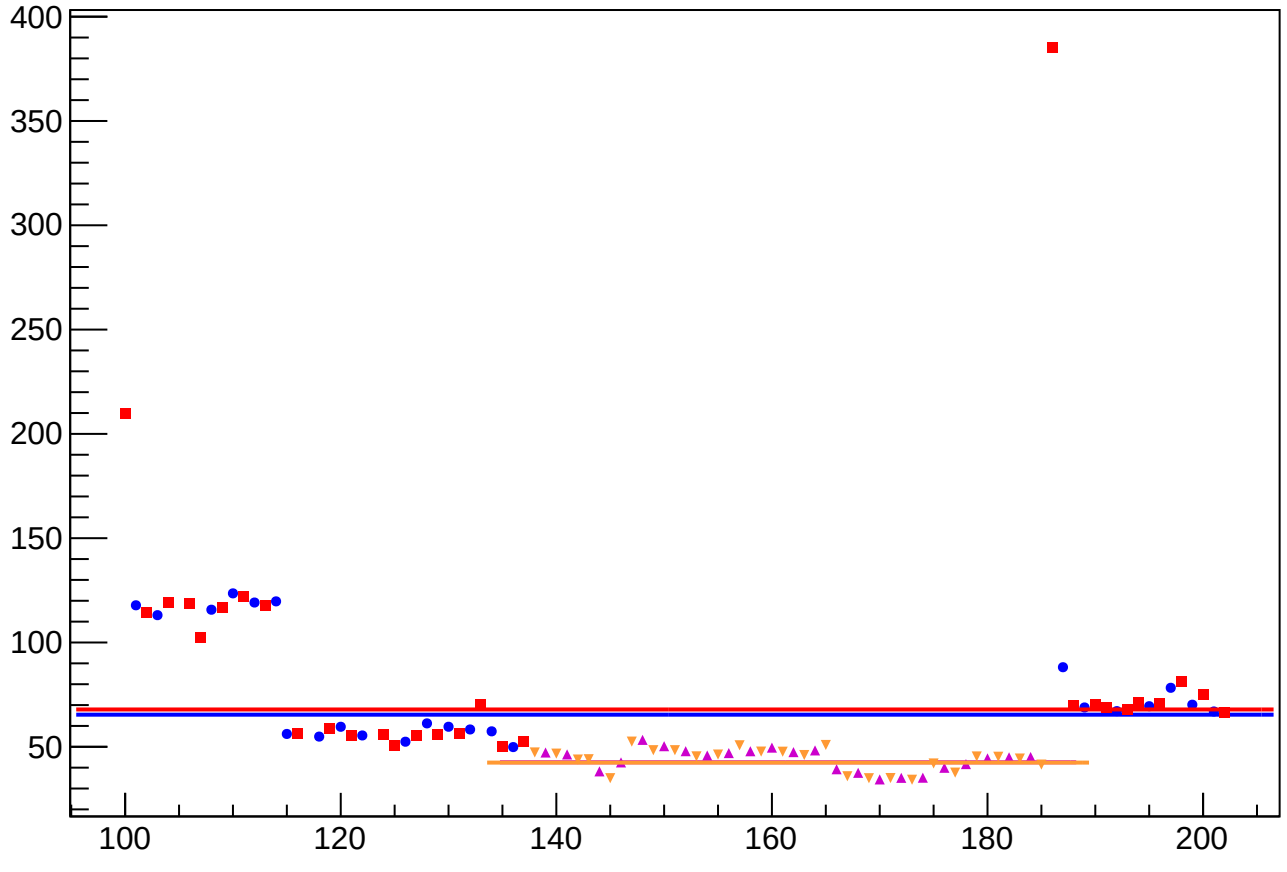
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -36.599+/-13.403 χ^2/NDF: 50.5/51

In: -2.419+/-8.933 χ^2/NDF:53.7/45

Out: 26.433+/-8.635 χ^2/NDF:70.1/53

All: 12.496+/-6.208 χ^2/NDF: 129.1/99



Right In: 65.398+/-0.014 χ^2/NDF: 1465013.1/22

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 67.895+/-0.013 χ^2/NDF: 2245460.1/28

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

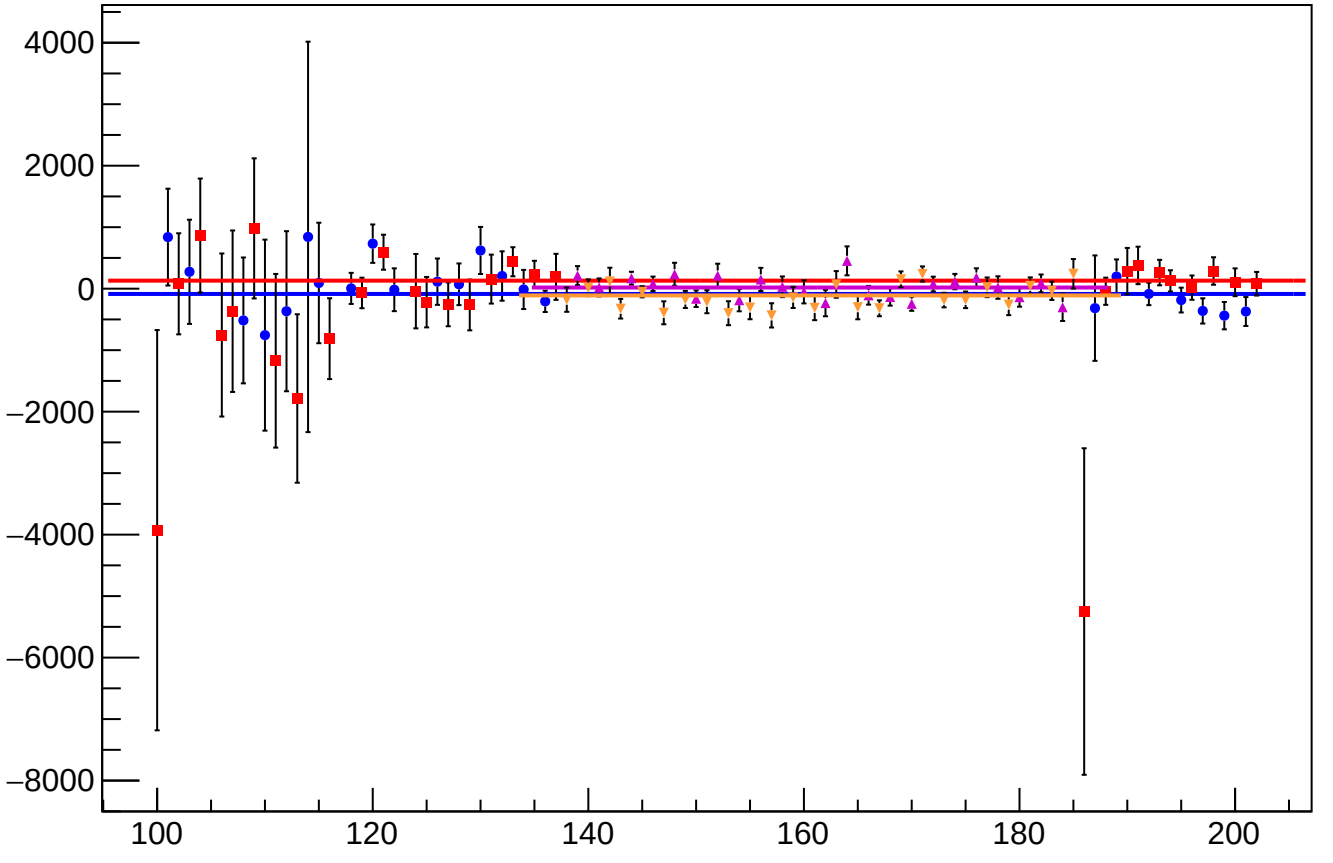
Right: 66.691+/-0.009 χ^2/NDF: 3727794.6/51

In: 47.467+/-0.006 χ^2/NDF:4251826.6/45

Out: 47.899+/-0.006 χ^2/NDF:5879605.4/53

All: 47.690+/-0.004 χ^2/NDF: 10133848.8/99

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.956+/-64.180 χ^2/NDF: 21.2/22

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 130.588+/-57.812 χ^2/NDF: 23.2/28

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

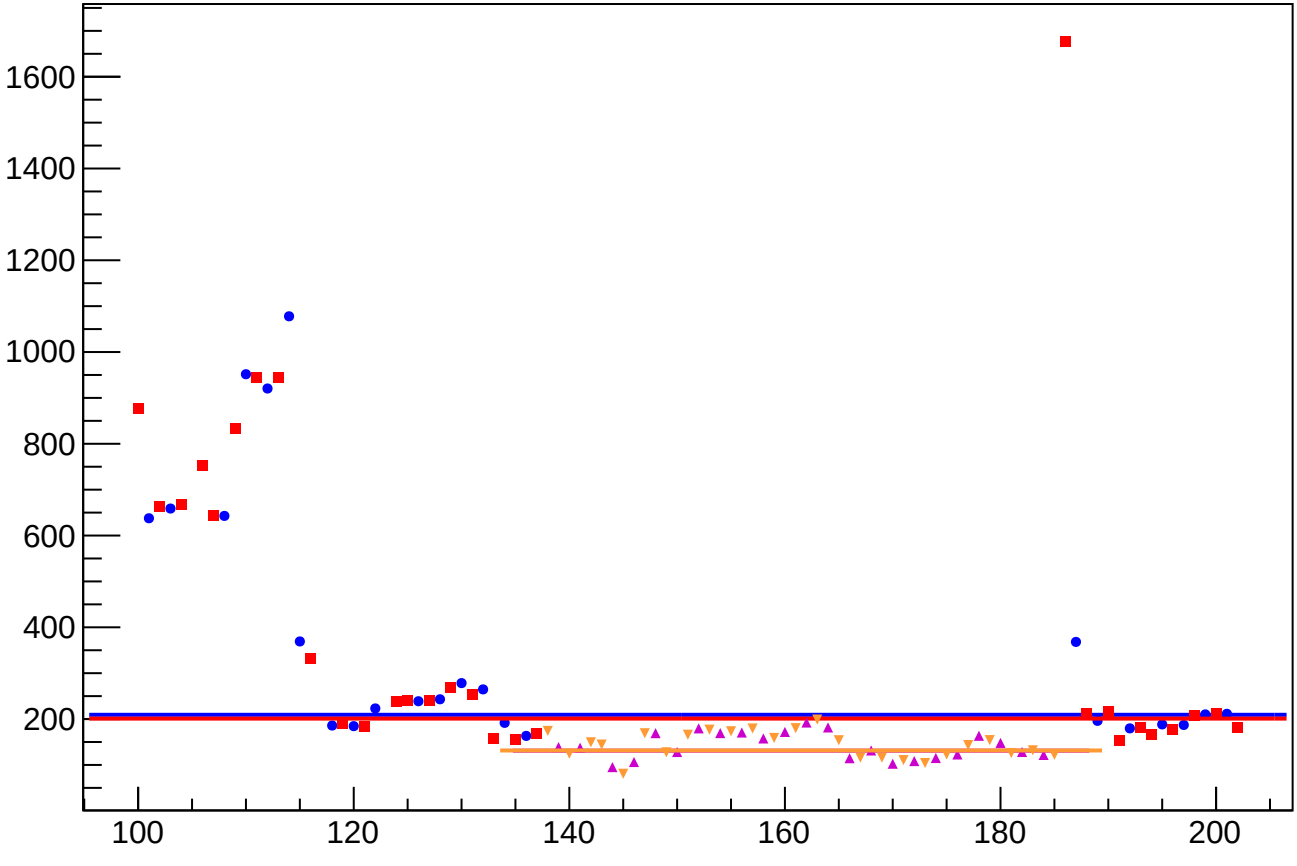
Right: 33.589+/-42.955 χ^2/NDF: 50.7/51

In: -1.481+/-28.261 χ^2/NDF:50.6/45

Out: -56.819+/-27.154 χ^2/NDF:72.9/53

All: -30.255+/-19.581 χ^2/NDF: 125.5/99

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 209.305+/-0.045 χ^2/NDF: 3256360.6/22

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 201.015+/-0.041 χ^2/NDF: 4782283.7/28

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

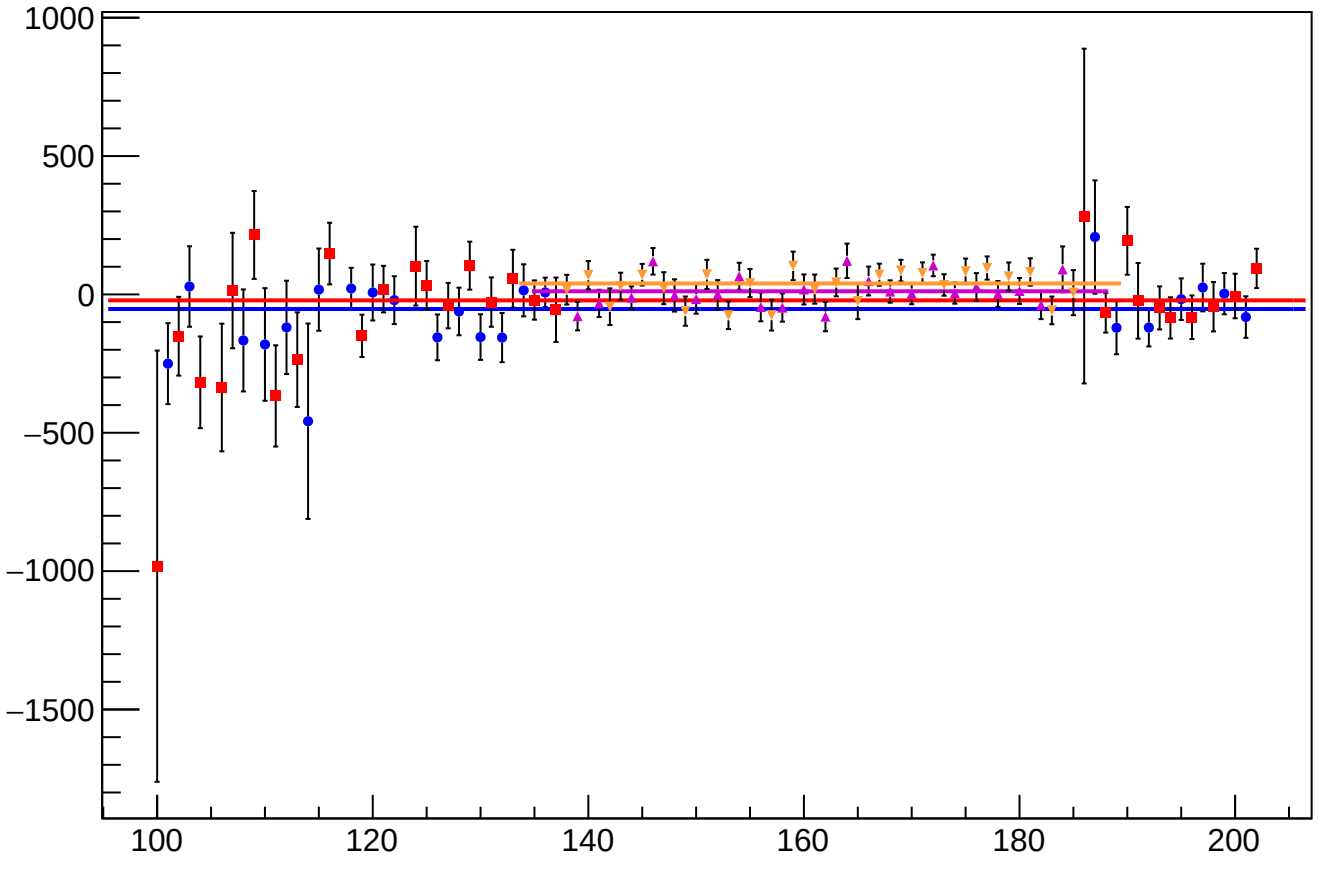
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 204.729+/-0.030 χ^2/NDF: 8057062.7/51

In: 146.242+/-0.020 χ^2/NDF:7119567.5/45

Out: 146.848+/-0.019 χ^2/NDF:8938005.7/53

All: 146.557+/-0.014 χ^2/NDF: 16058051.1/99



Right In: -52.765+/-19.300 χ^2/NDF: 17.1/22

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -21.542+/-18.627 χ^2/NDF: 32.0/28

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

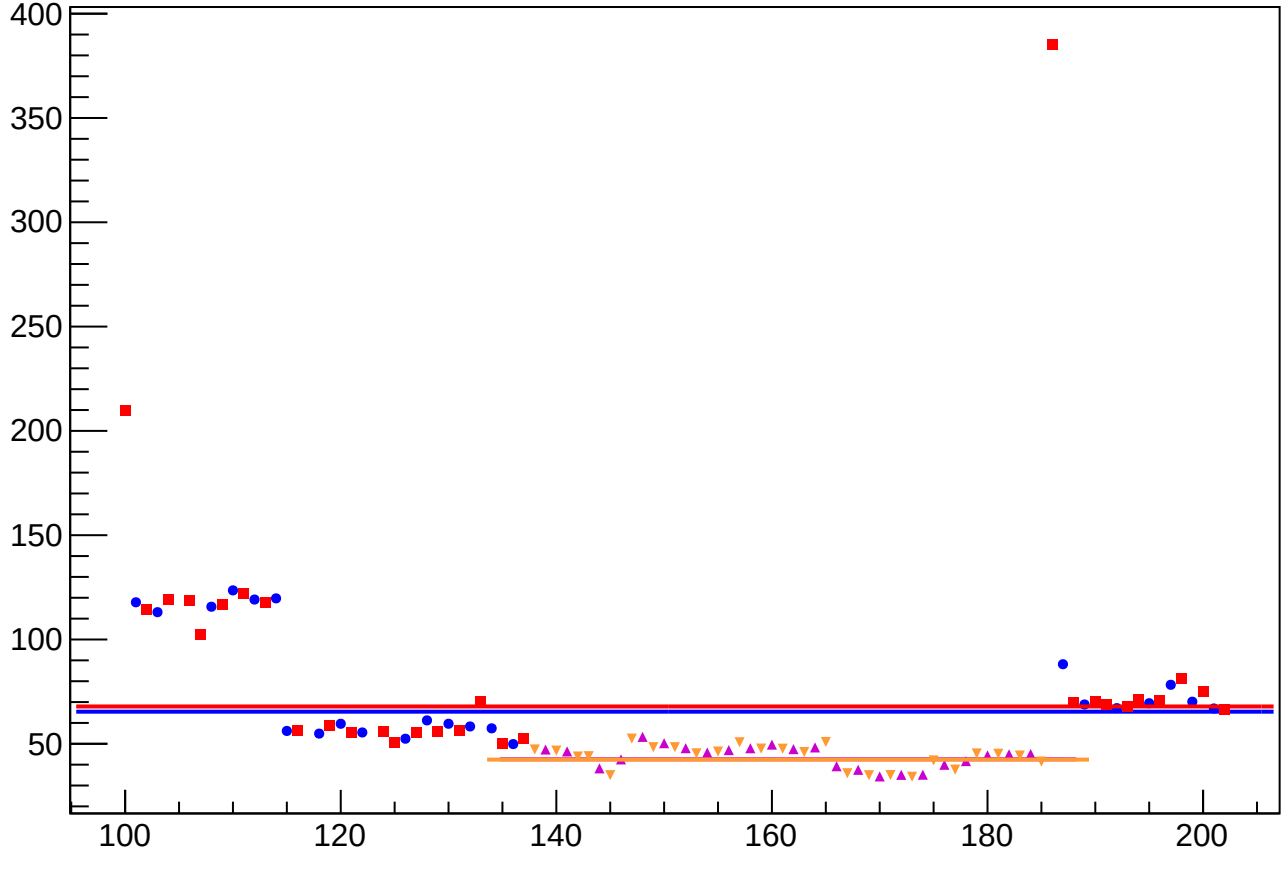
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -36.600+/-13.403 χ^2/NDF: 50.5/51

In: -2.419+/-8.933 χ^2/NDF:53.7/45

Out: 26.433+/-8.635 χ^2/NDF:70.1/53

All: 12.496+/-6.208 χ^2/NDF: 129.1/99



Right In: 65.398+/-0.014 χ^2/NDF: 1465018.5/22

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 67.895+/-0.013 χ^2/NDF: 2245460.4/28

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

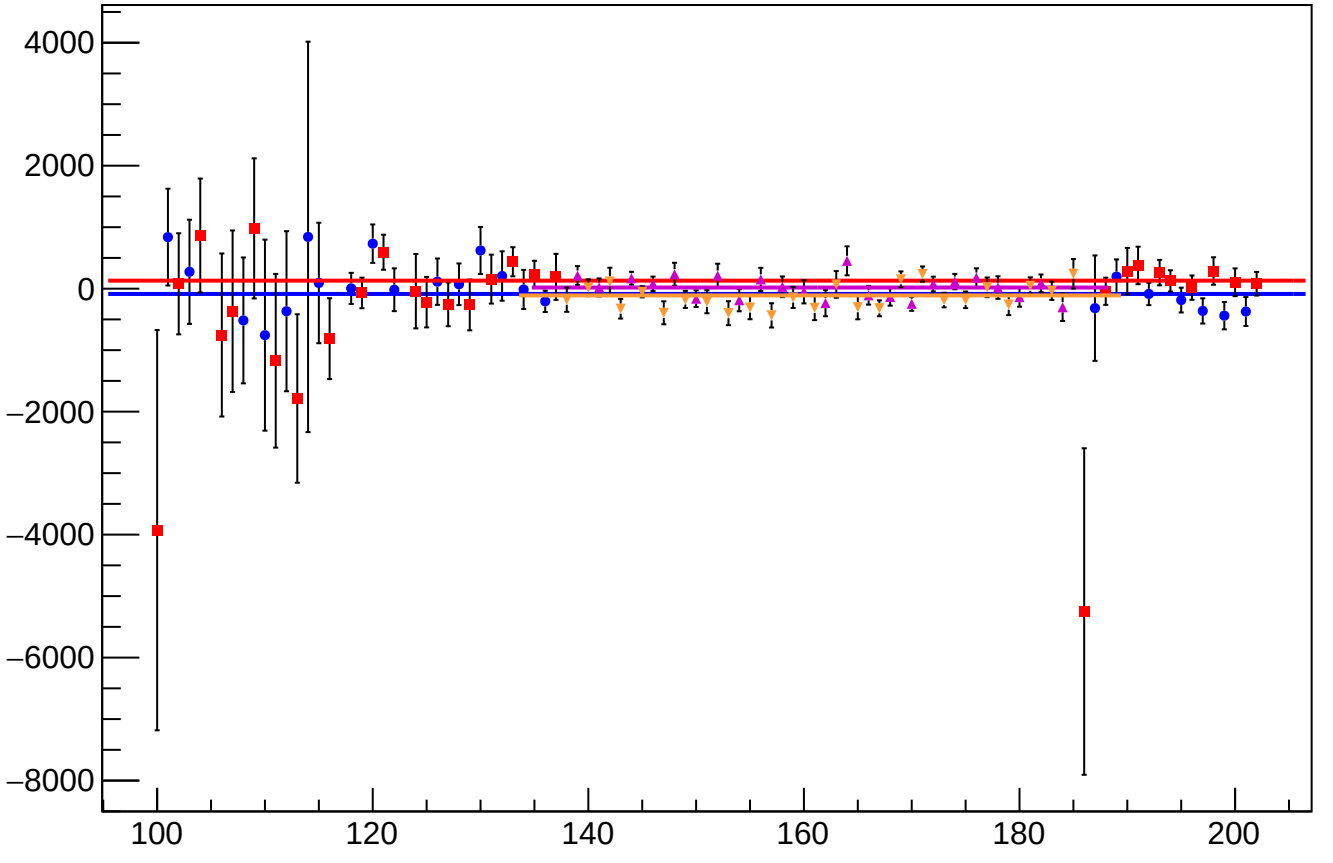
Right: 66.691+/-0.009 χ^2/NDF: 3727803.4/51

In: 47.467+/-0.006 χ^2/NDF:4251806.6/45

Out: 47.899+/-0.006 χ^2/NDF:5879646.0/53

All: 47.690+/-0.004 χ^2/NDF: 10133868.8/99

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.955+/-64.180 χ^2/NDF: 21.2/22

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 130.587+/-57.812 χ^2/NDF: 23.2/28

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

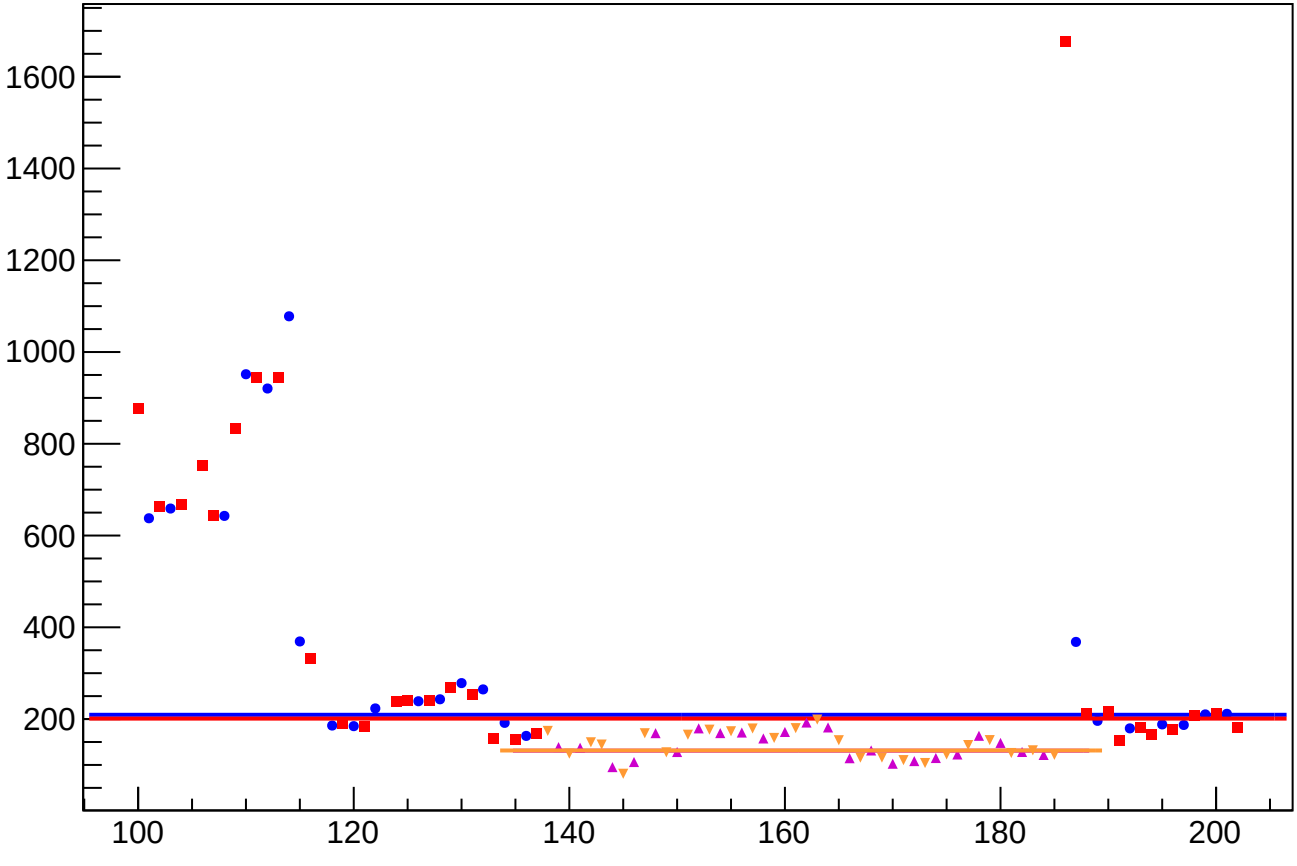
Right: 33.589+/-42.955 χ^2/NDF: 50.7/51

In: -1.481+/-28.261 χ^2/NDF:50.6/45

Out: -56.819+/-27.155 χ^2/NDF:72.9/53

All: -30.254+/-19.581 χ^2/NDF: 125.5/99

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 209.304+/-0.045 χ^2/NDF: 3256355.9/22

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 201.015+/-0.041 χ^2/NDF: 4782285.9/28

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

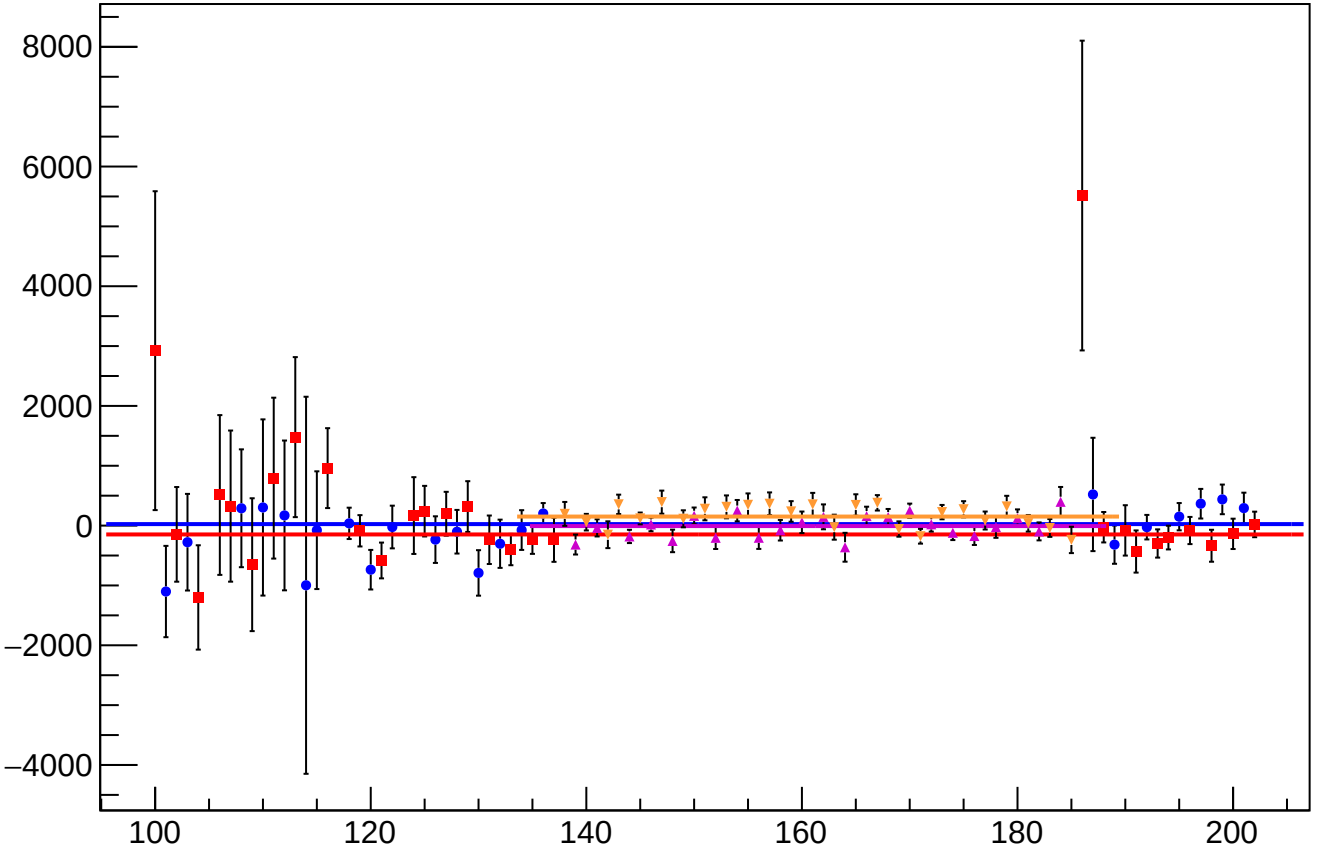
Right: 204.728+/-0.030 χ^2/NDF: 8057060.2/51

In: 146.243+/-0.020 χ^2/NDF:7119525.0/45

Out: 146.848+/-0.019 χ^2/NDF:8937954.2/53

All: 146.558+/-0.014 χ^2/NDF: 16057957.2/99

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 25.094+/-69.184 χ^2/NDF: 22.4/22

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -147.787+/-63.836 χ^2/NDF: 22.0/28

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

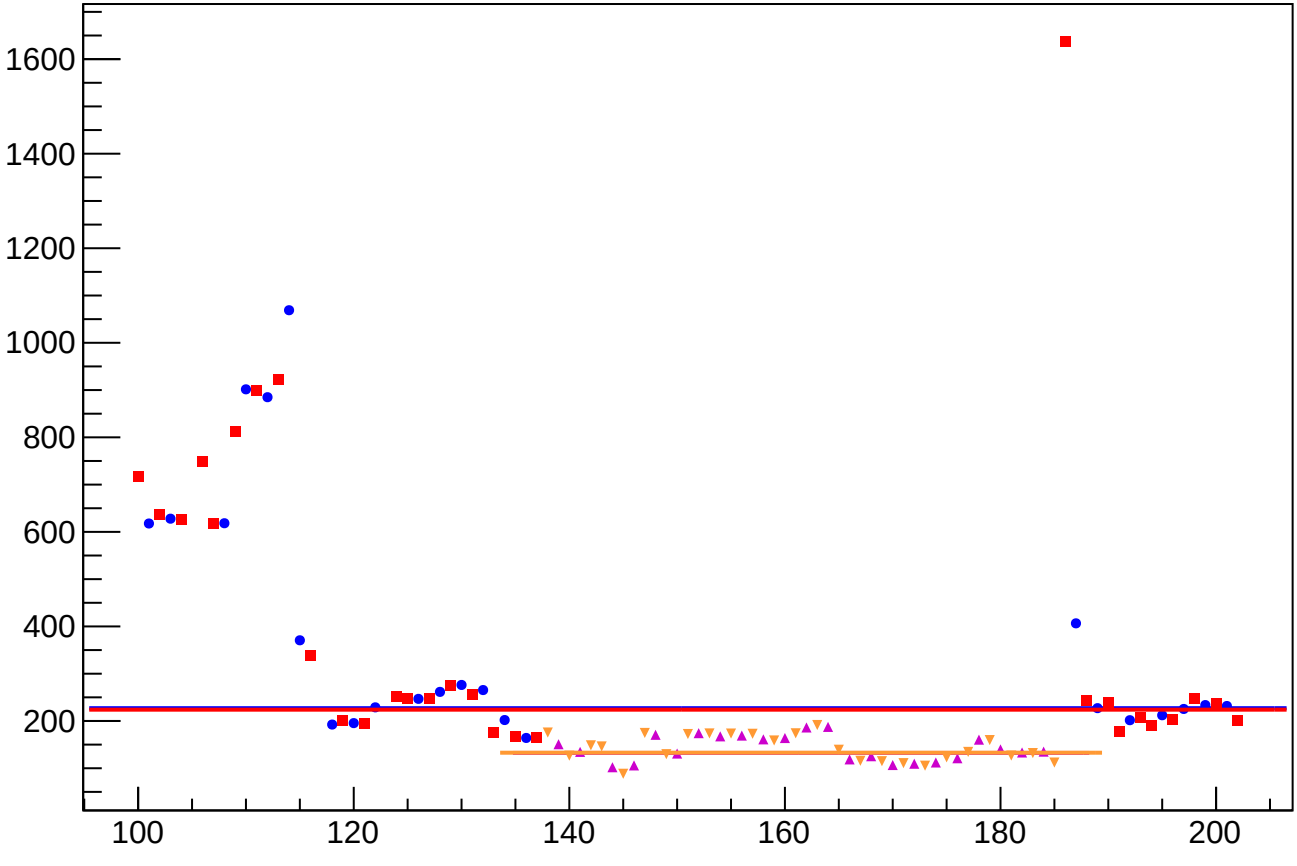
Right: -68.285+/-46.916 χ^2/NDF: 47.8/51

In: -2.232+/-28.760 χ^2/NDF:52.0/45

Out: 94.216+/-27.851 χ^2/NDF:72.9/53

All: 47.540+/-20.007 χ^2/NDF: 130.7/99

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 227.058+/-0.049 χ^2/NDF: 3004267.6/22

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 223.918+/-0.045 χ^2/NDF: 4325605.3/28

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

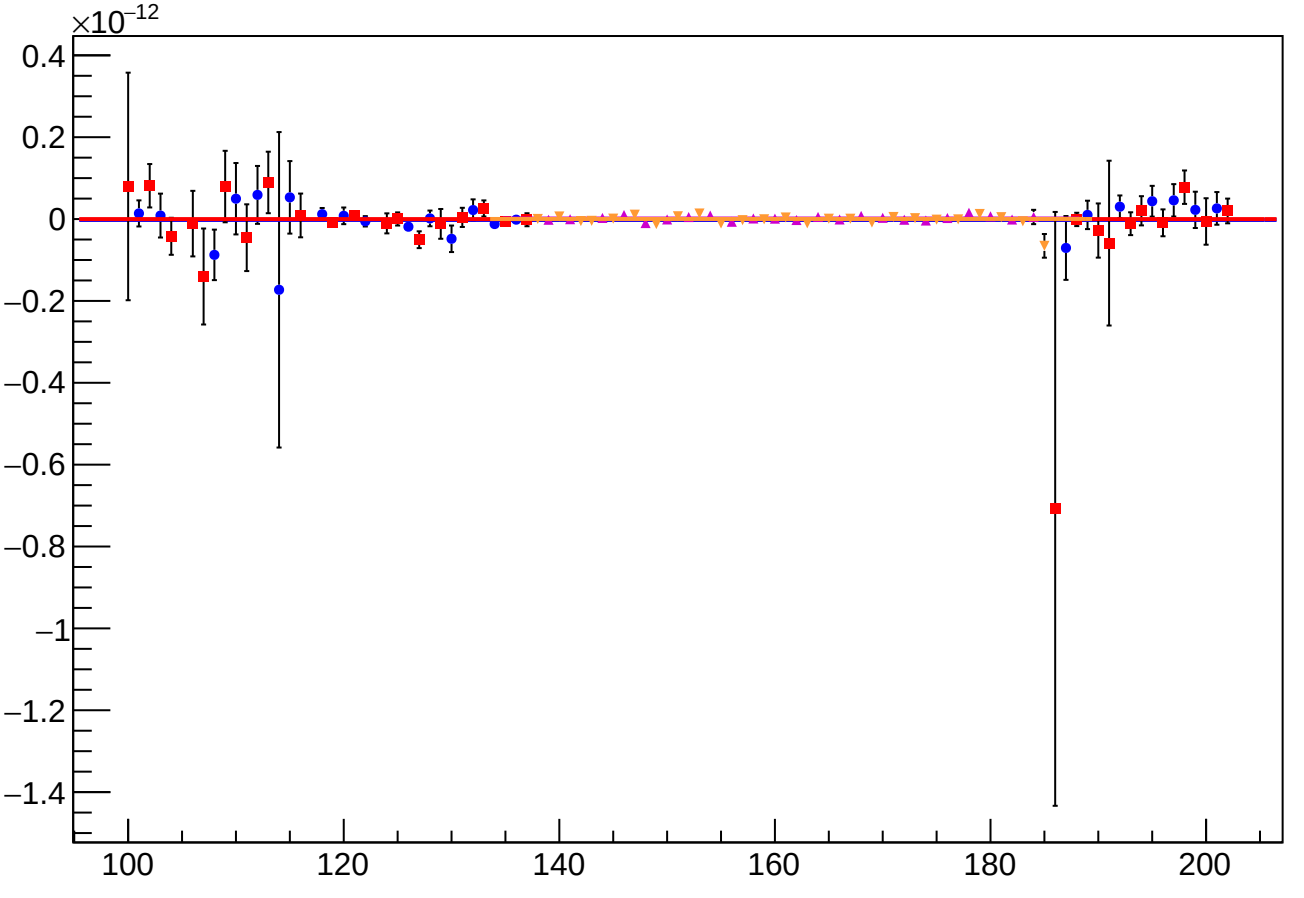
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 225.362+/-0.033 χ^2/NDF: 7332097.2/51

In: 148.709+/-0.020 χ^2/NDF:7382871.3/45

Out: 150.205+/-0.020 χ^2/NDF:9211656.3/53

All: 149.481+/-0.014 χ^2/NDF: 16597319.8/99



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/28

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

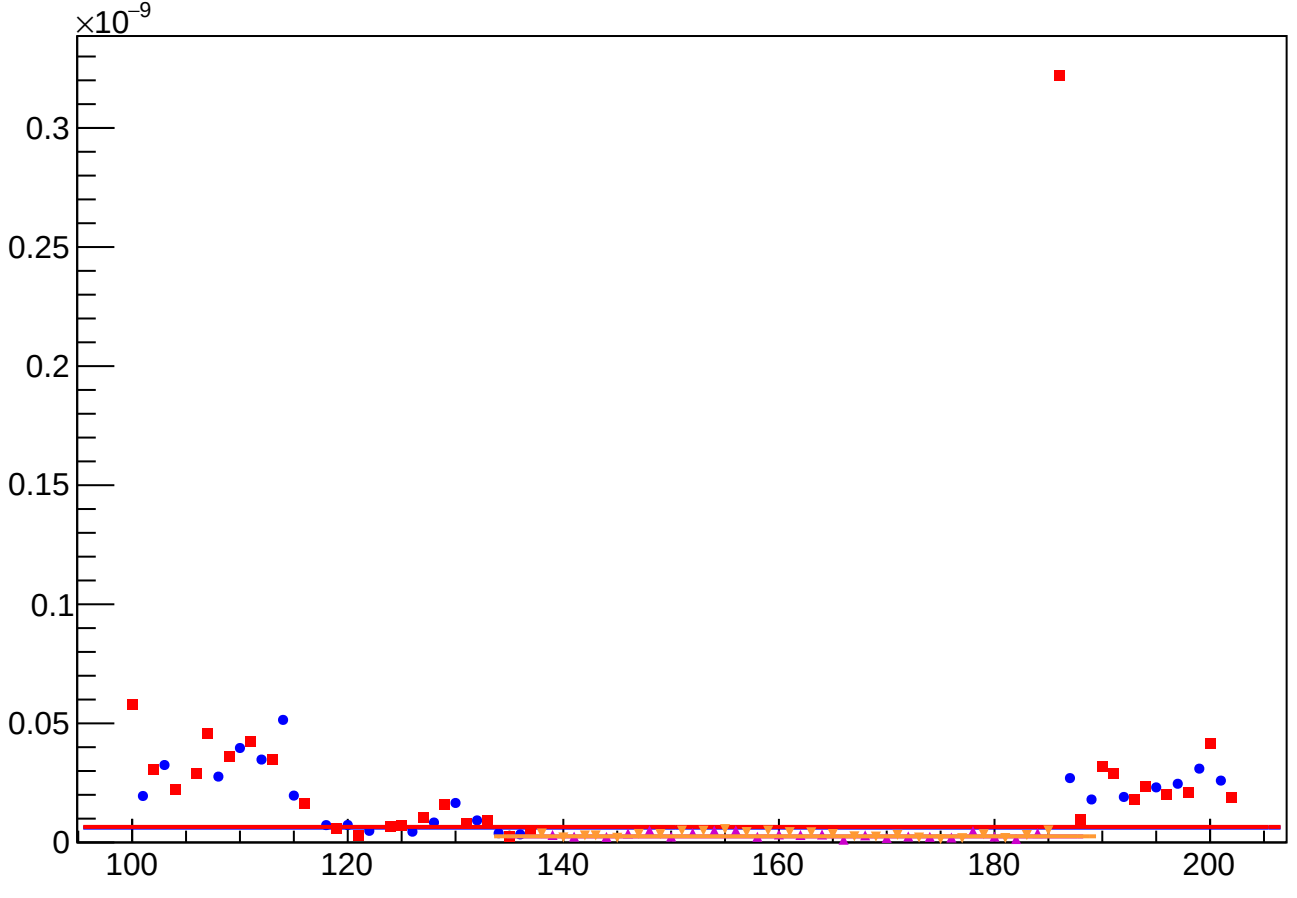
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.8/51

In: 0.000+/-0.000 χ^2/NDF:33.5/45

Out: 0.000+/-0.000 χ^2/NDF:56.2/53

All: 0.000+/-0.000 χ^2/NDF: 90.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 5550310.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6757489.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

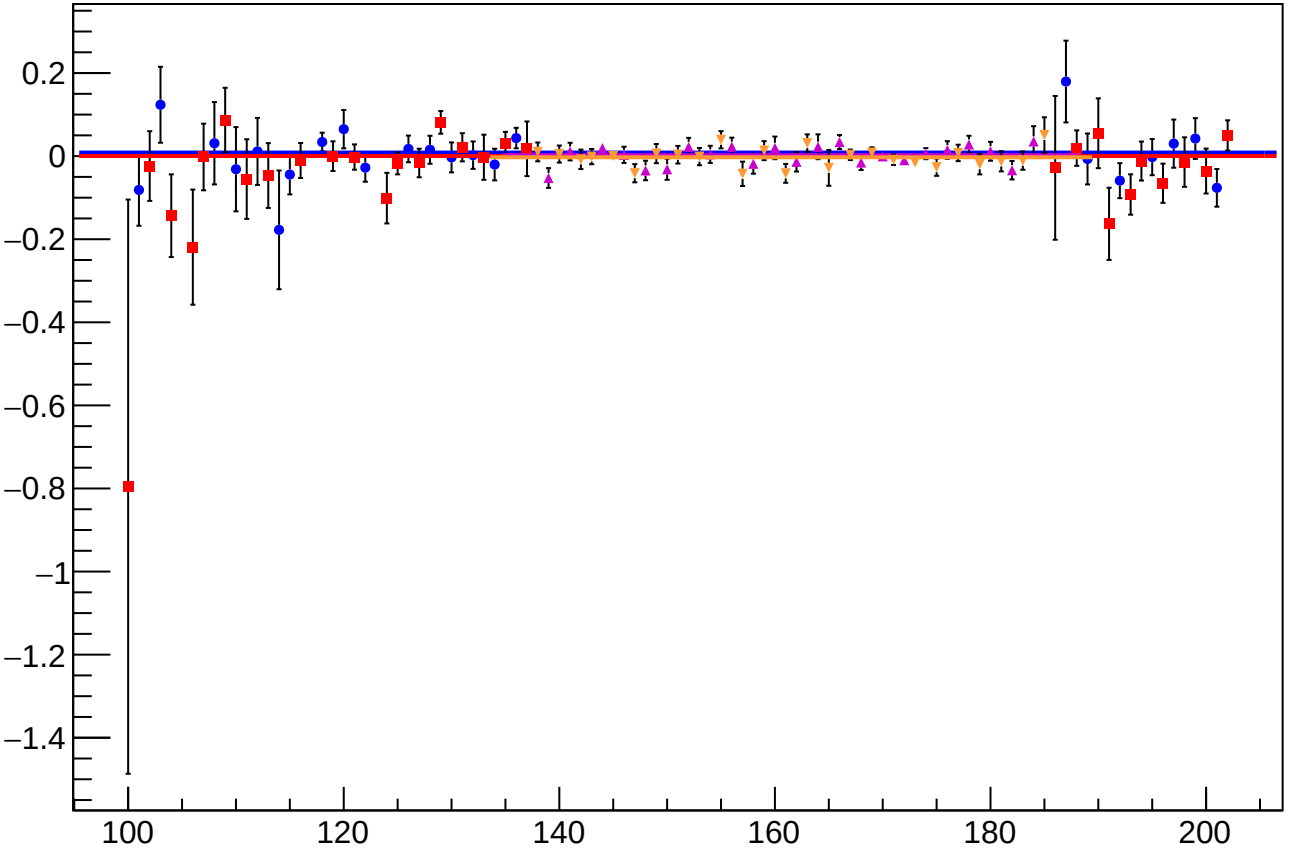
Right: 0.000+/-0.000 χ^2/NDF: 12315193.2/51

In: 0.000+/-0.000 χ^2/NDF:9064282.8/45

Out: 0.000+/-0.000 χ^2/NDF:11051946.4/53

All: 0.000+/-0.000 χ^2/NDF: 20117268.4/99

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

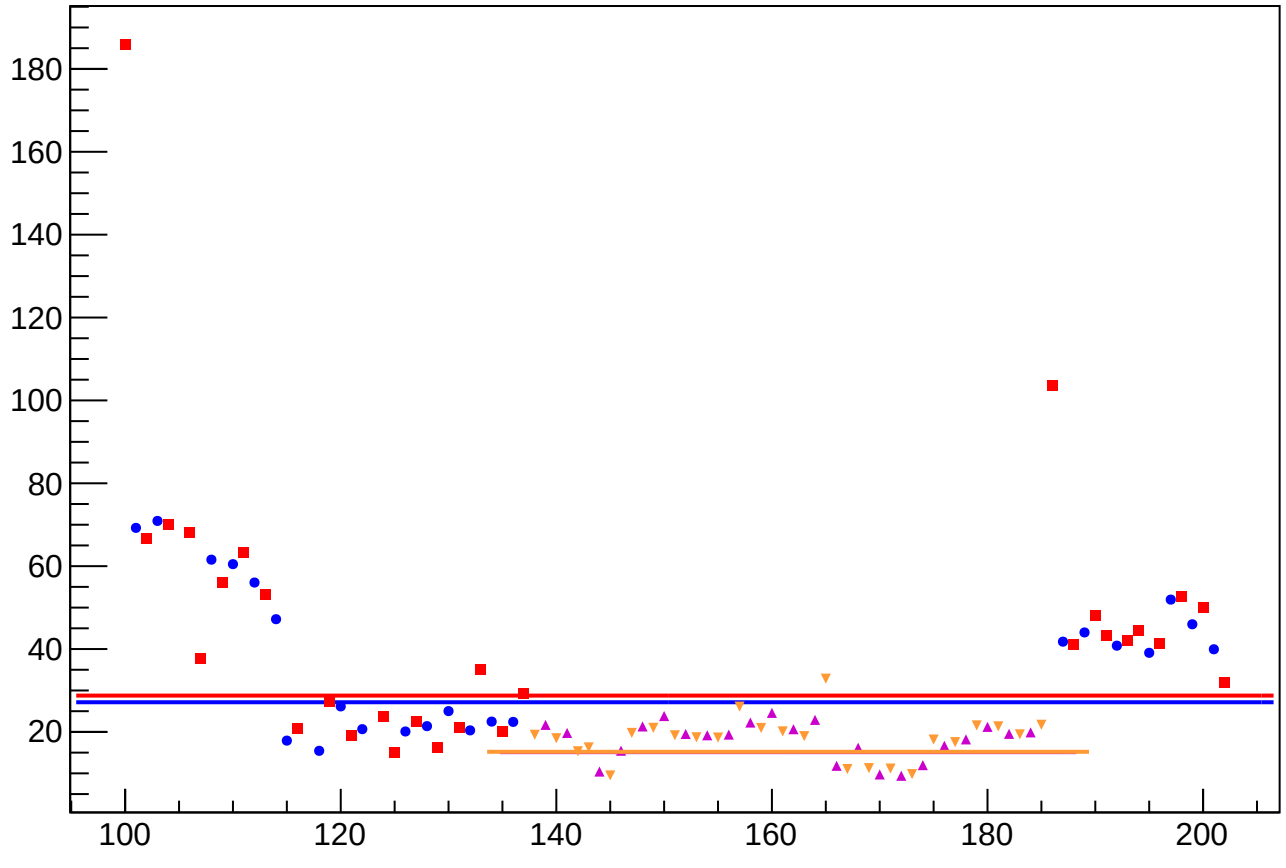
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.004+/-0.006 χ^2/NDF: 56.8/51

In: 0.003+/-0.004 χ^2/NDF:49.8/45

Out: -0.002+/-0.003 χ^2/NDF:56.7/53

All: 0.000+/-0.002 χ^2/NDF: 107.8/99



Right In: 27.158+/-0.006 χ^2/NDF: 4112834.0/22

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.767+/-0.006 χ^2/NDF: 5244539.8/28

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

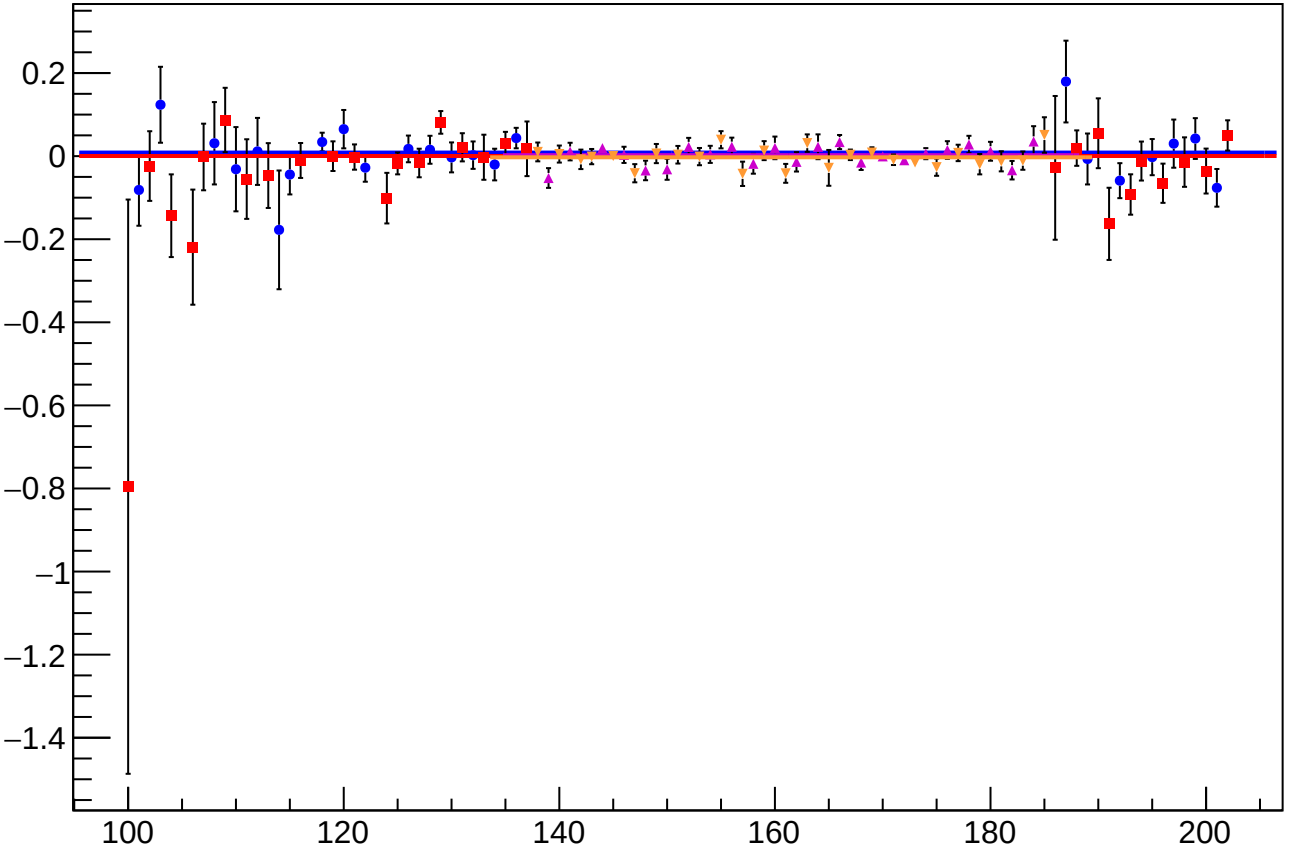
Right: 27.976+/-0.004 χ^2/NDF: 9391545.0/51

In: 17.038+/-0.002 χ^2/NDF:10677566.5/45

Out: 17.313+/-0.002 χ^2/NDF:12859508.5/53

All: 17.180+/-0.002 χ^2/NDF: 23543408.9/99

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

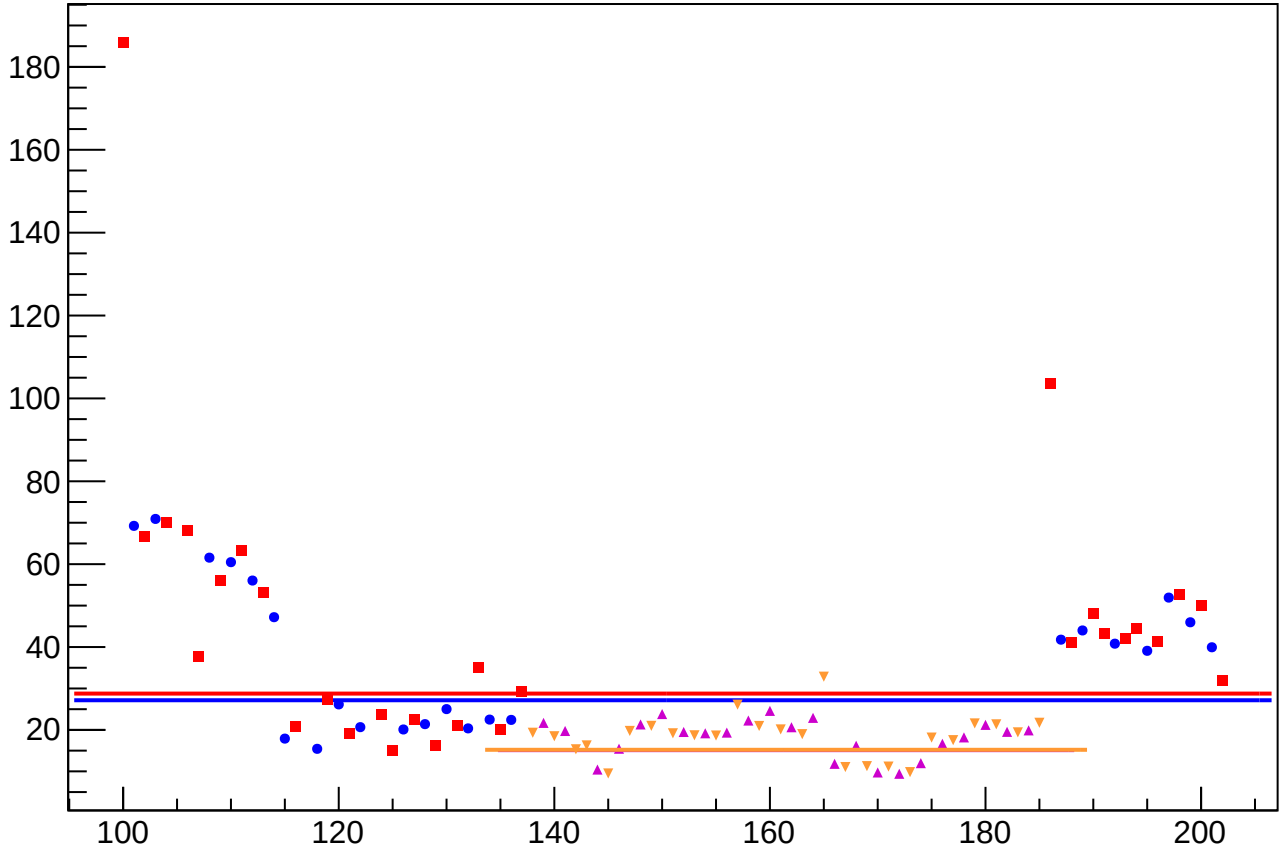
Right: 0.004+/-0.006 χ^2/NDF: 56.8/51

In: 0.003+/-0.004 χ^2/NDF:49.8/45

Out: -0.002+/-0.003 χ^2/NDF:56.7/53

All: 0.000+/-0.002 χ^2/NDF: 107.8/99

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.158+/-0.006 χ^2/NDF: 4112834.0/22

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.767+/-0.006 χ^2/NDF: 5244539.8/28

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

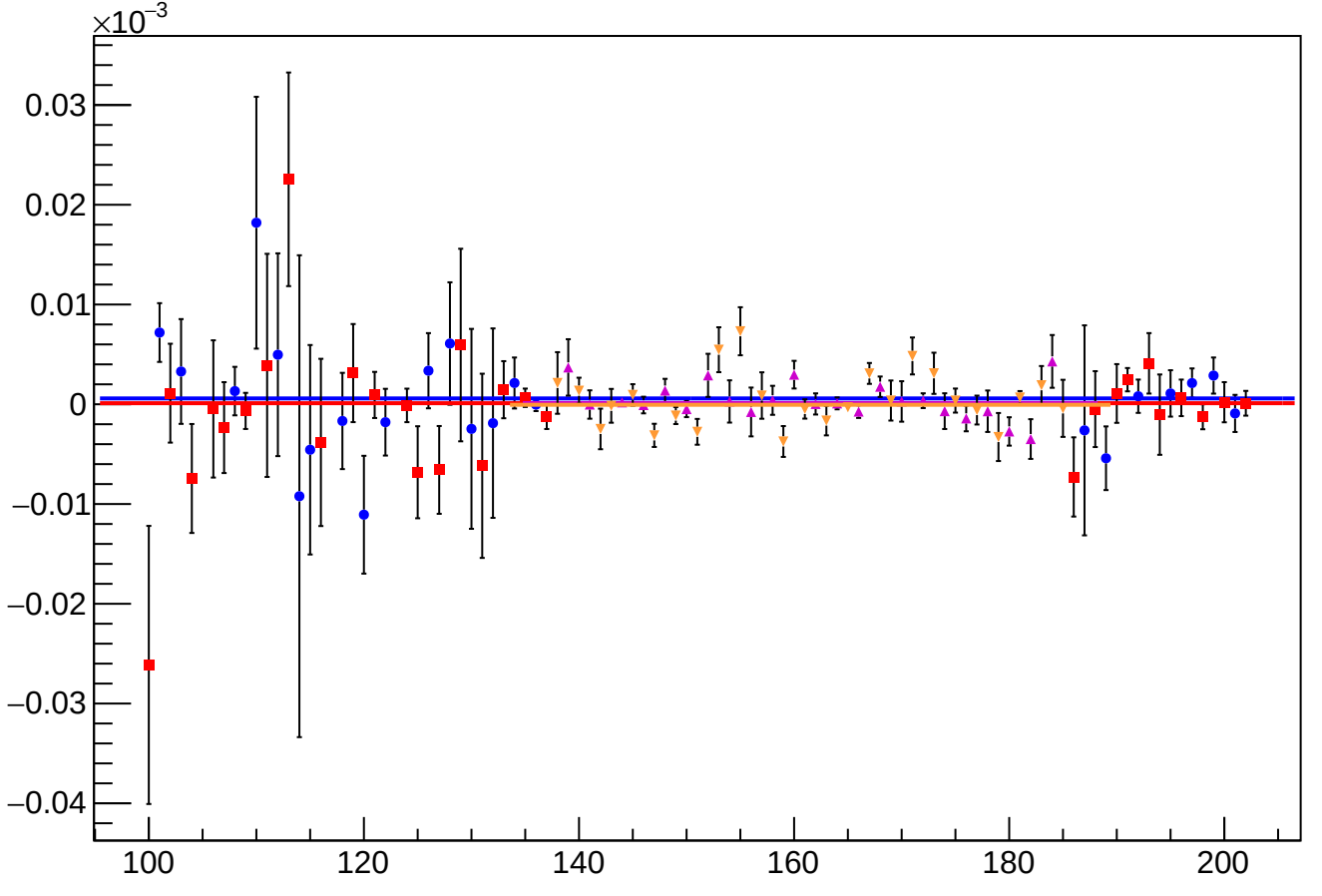
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.976+/-0.004 χ^2/NDF: 9391545.0/51

In: 17.038+/-0.002 χ^2/NDF:10677566.5/45

Out: 17.313+/-0.002 χ^2/NDF:12859508.5/53

All: 17.180+/-0.002 χ^2/NDF: 23543408.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/28

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

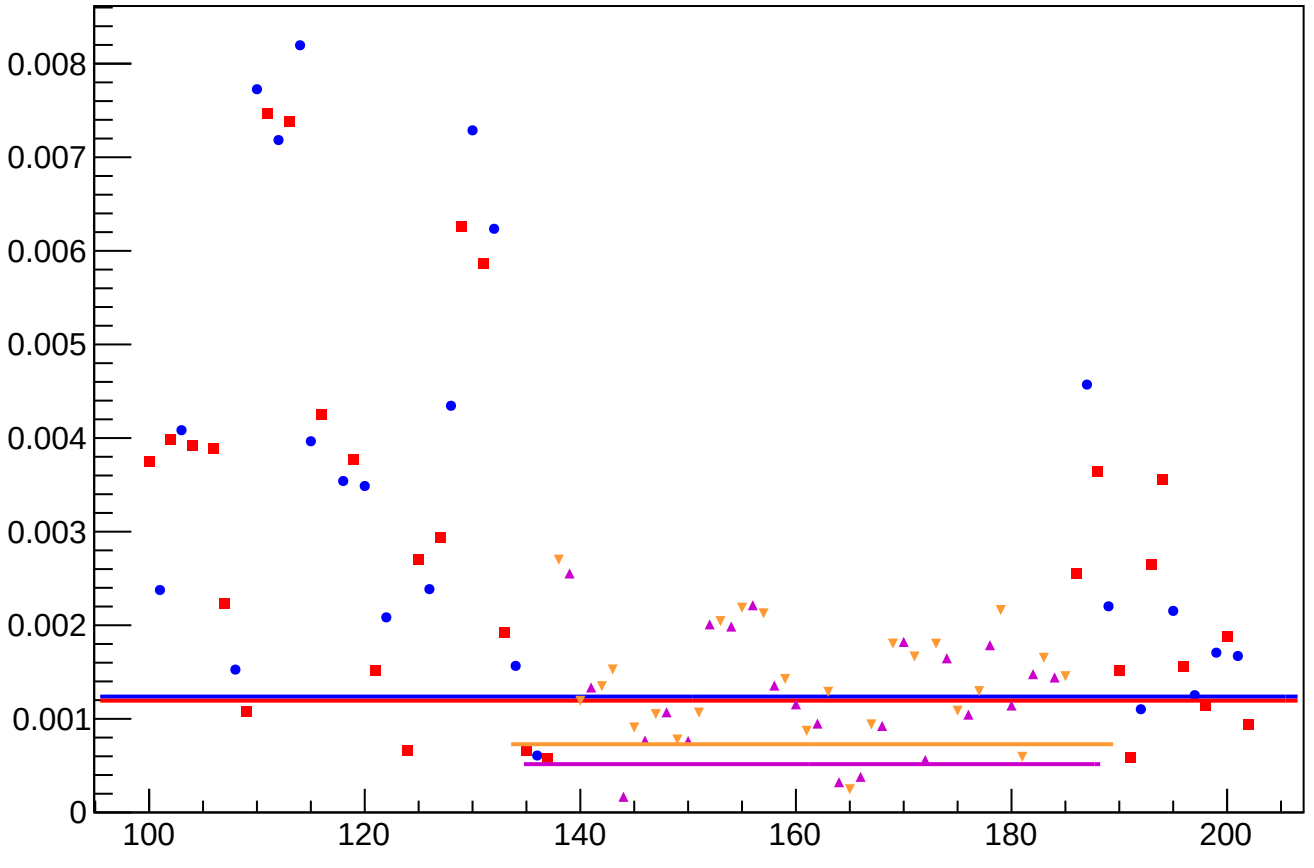
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 52.0/51

In: 0.000+/-0.000 χ^2/NDF:48.8/45

Out: -0.000+/-0.000 χ^2/NDF:91.9/53

All: 0.000+/-0.000 χ^2/NDF: 141.3/99



Right In: 0.001+/-0.000 χ^2/NDF: 8165709.3/22

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10003502.3/28

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

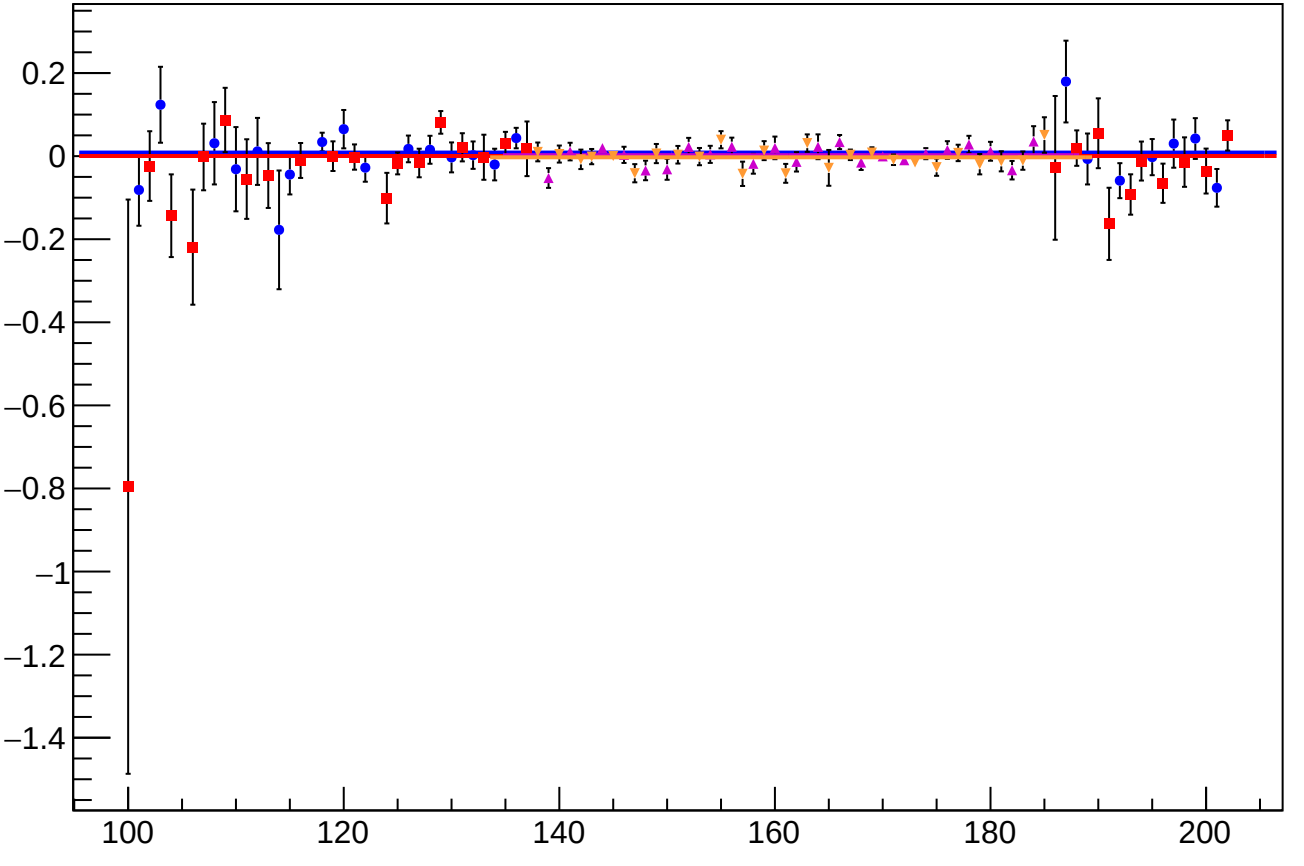
Right: 0.001+/-0.000 χ^2/NDF: 18179371.3/51

In: 0.001+/-0.000 χ^2/NDF:27617885.2/45

Out: 0.001+/-0.000 χ^2/NDF:25209904.1/53

All: 0.001+/-0.000 χ^2/NDF: 54357361.2/99

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

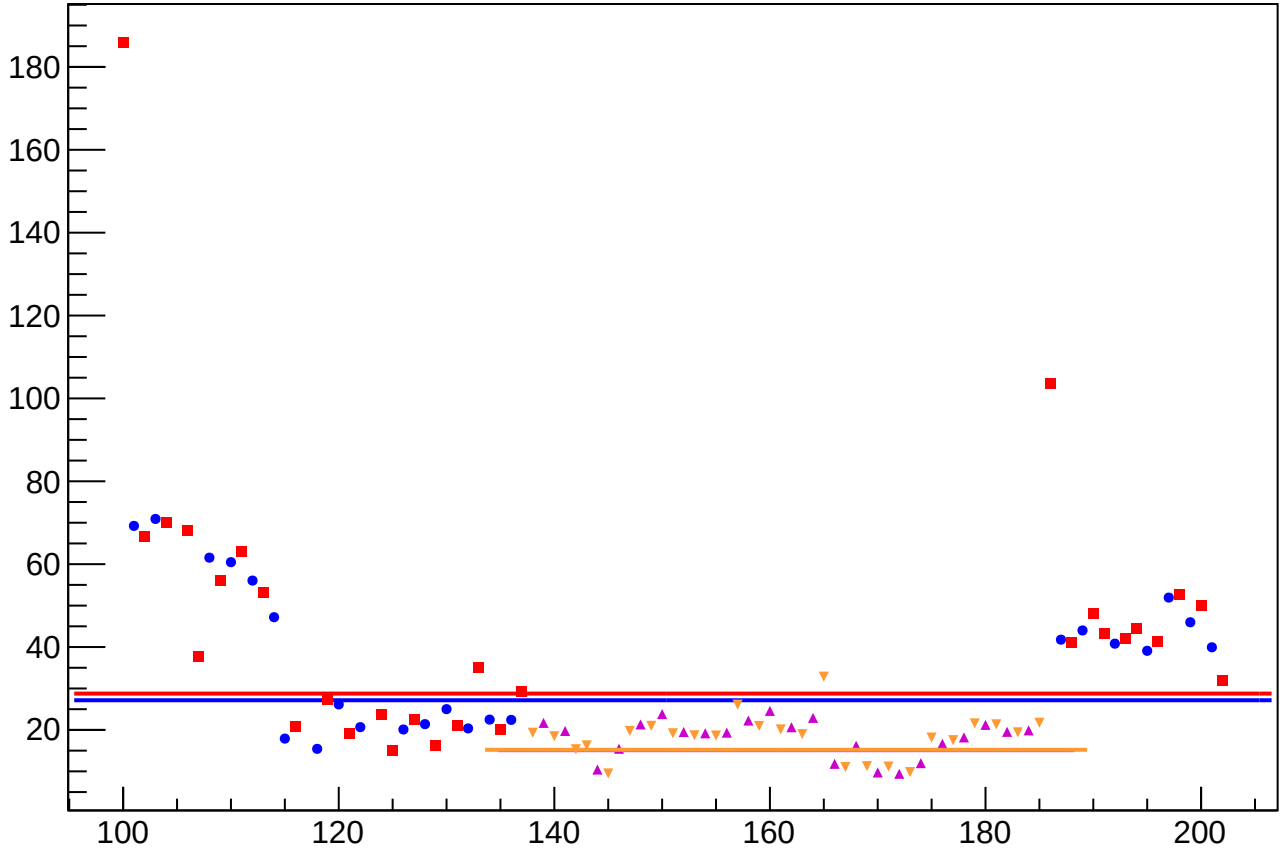
Right: 0.004+/-0.006 χ^2/NDF: 56.8/51

In: 0.003+/-0.004 χ^2/NDF:49.8/45

Out: -0.002+/-0.003 χ^2/NDF:56.7/53

All: 0.000+/-0.002 χ^2/NDF: 107.8/99

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.157+/-0.006 χ^2/NDF: 4113212.2/22

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.767+/-0.006 χ^2/NDF: 5244775.8/28

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

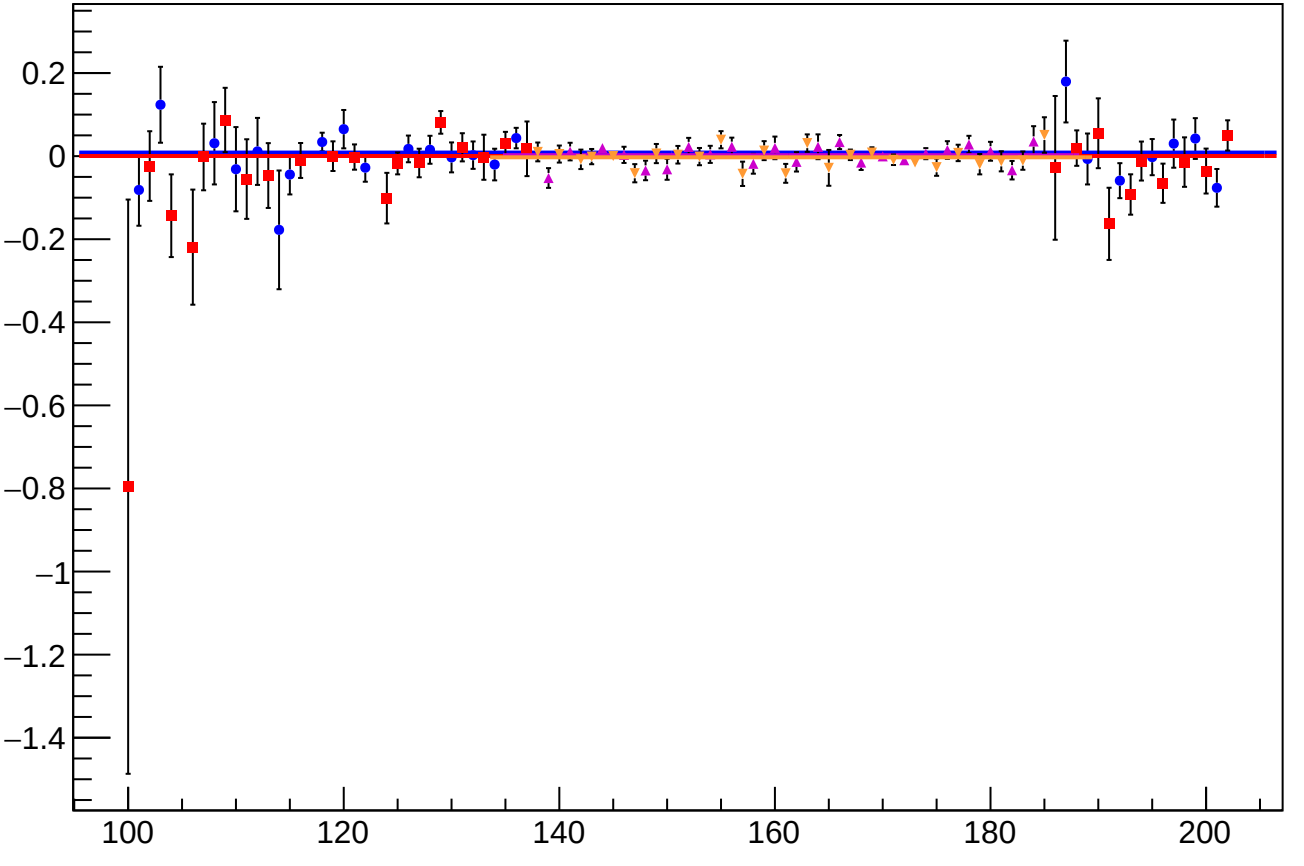
Right: 27.976+/-0.004 χ^2/NDF: 9392193.9/51

In: 17.038+/-0.002 χ^2/NDF:10677425.9/45

Out: 17.313+/-0.002 χ^2/NDF:12859566.8/53

All: 17.180+/-0.002 χ^2/NDF: 23543326.8/99

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

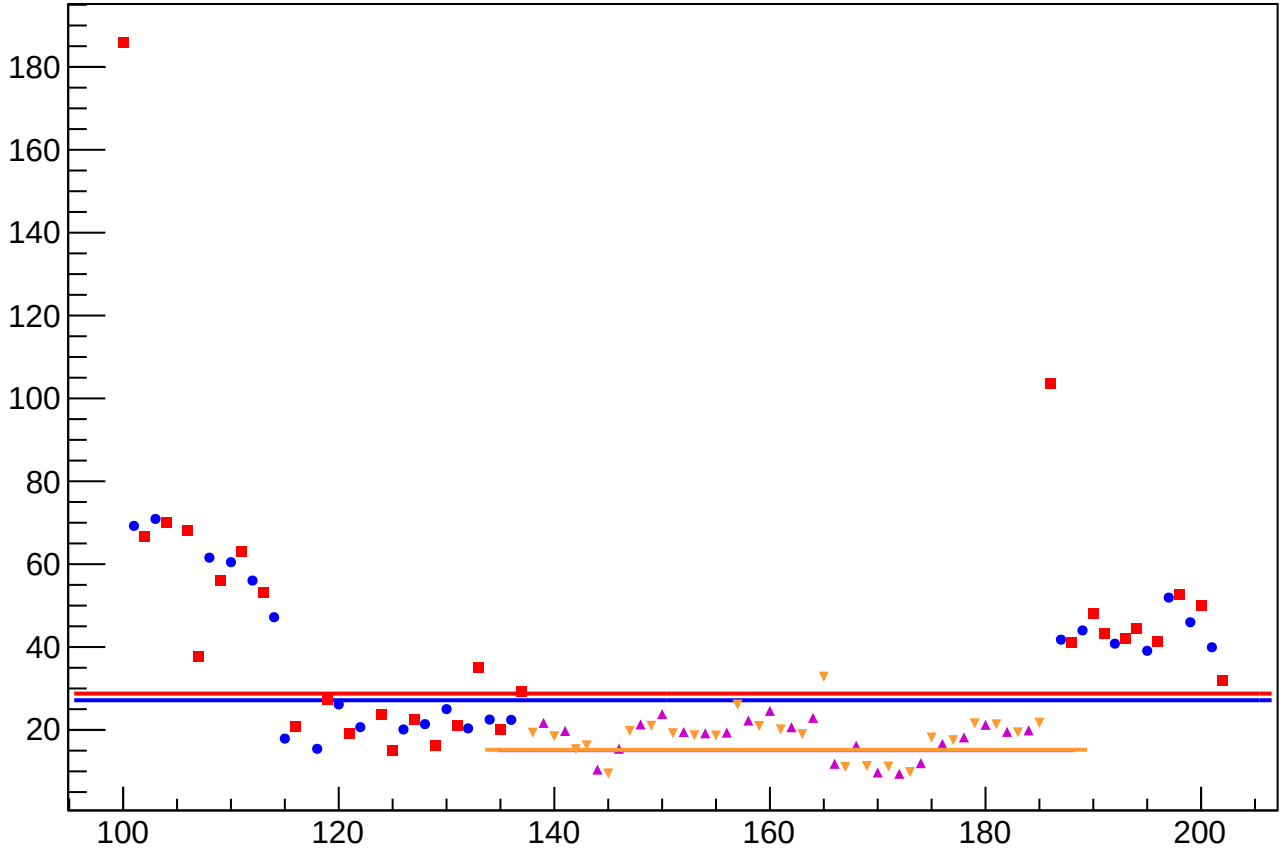
Right: 0.004+/-0.006 χ^2/NDF: 56.8/51

In: 0.003+/-0.004 χ^2/NDF:49.8/45

Out: -0.002+/-0.003 χ^2/NDF:56.7/53

All: 0.000+/-0.002 χ^2/NDF: 107.8/99

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.157+/-0.006 χ^2/NDF: 4113212.2/22

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.767+/-0.006 χ^2/NDF: 5244775.8/28

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

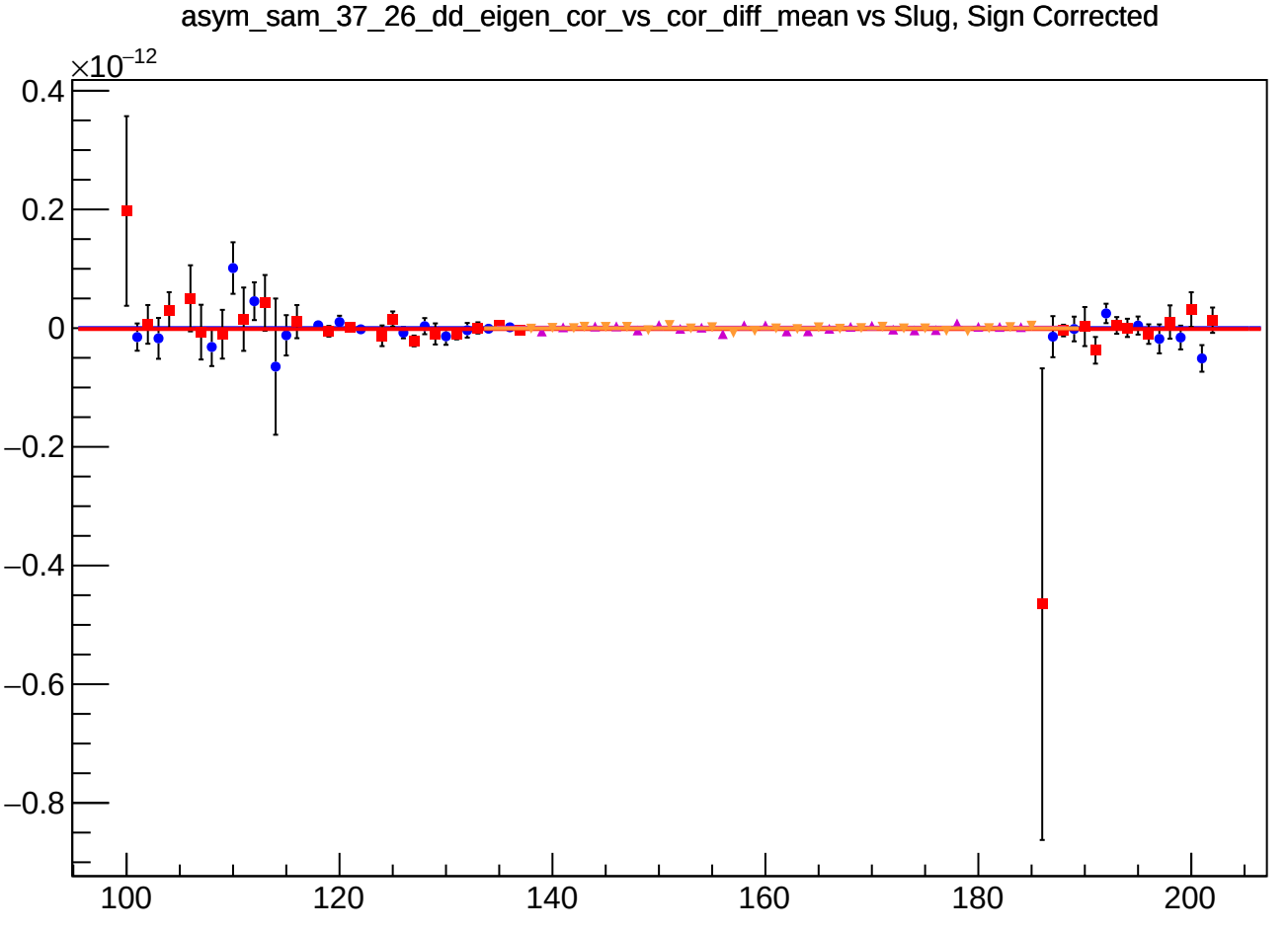
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

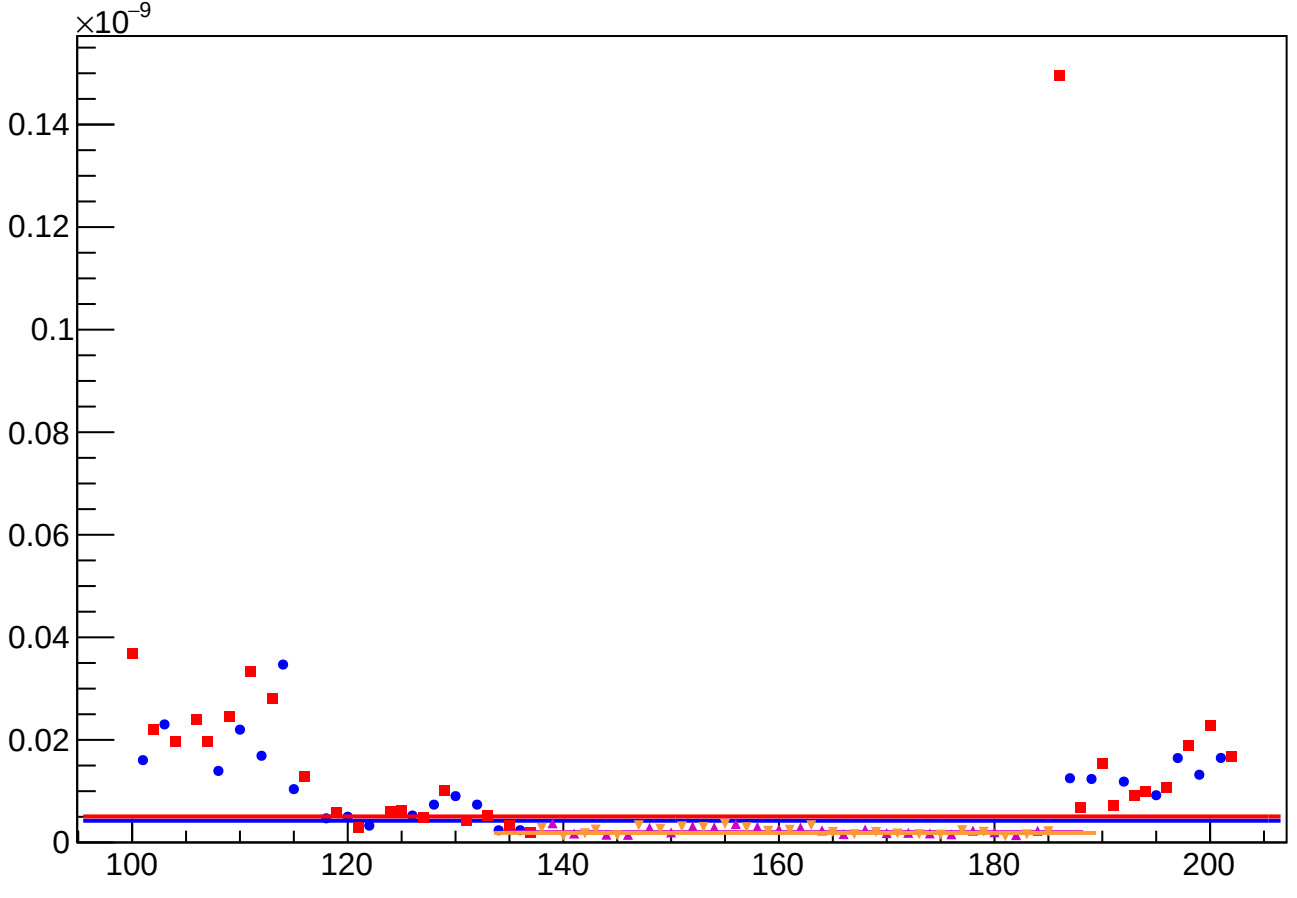
Right: 27.976+/-0.004 χ^2/NDF: 9392193.9/51

In: 17.038+/-0.002 χ^2/NDF:10677425.9/45

Out: 17.313+/-0.002 χ^2/NDF:12859566.8/53

All: 17.180+/-0.002 χ^2/NDF: 23543326.8/99


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 21.9/22
Left Out: -0.000+/-0.000 χ²/NDF:21.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.0/28
Left In: 0.000+/-0.000 χ²/NDF:39.5/22
Left: 0.000+/-0.000 χ²/NDF: 62.7/47
Right: -0.000+/-0.000 χ²/NDF: 44.1/51
In: 0.000+/-0.000 χ²/NDF:61.5/45
Out: -0.000+/-0.000 χ²/NDF:43.7/53
All: 0.000+/-0.000 χ²/NDF: 107.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 6333491.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7716433.3/28

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

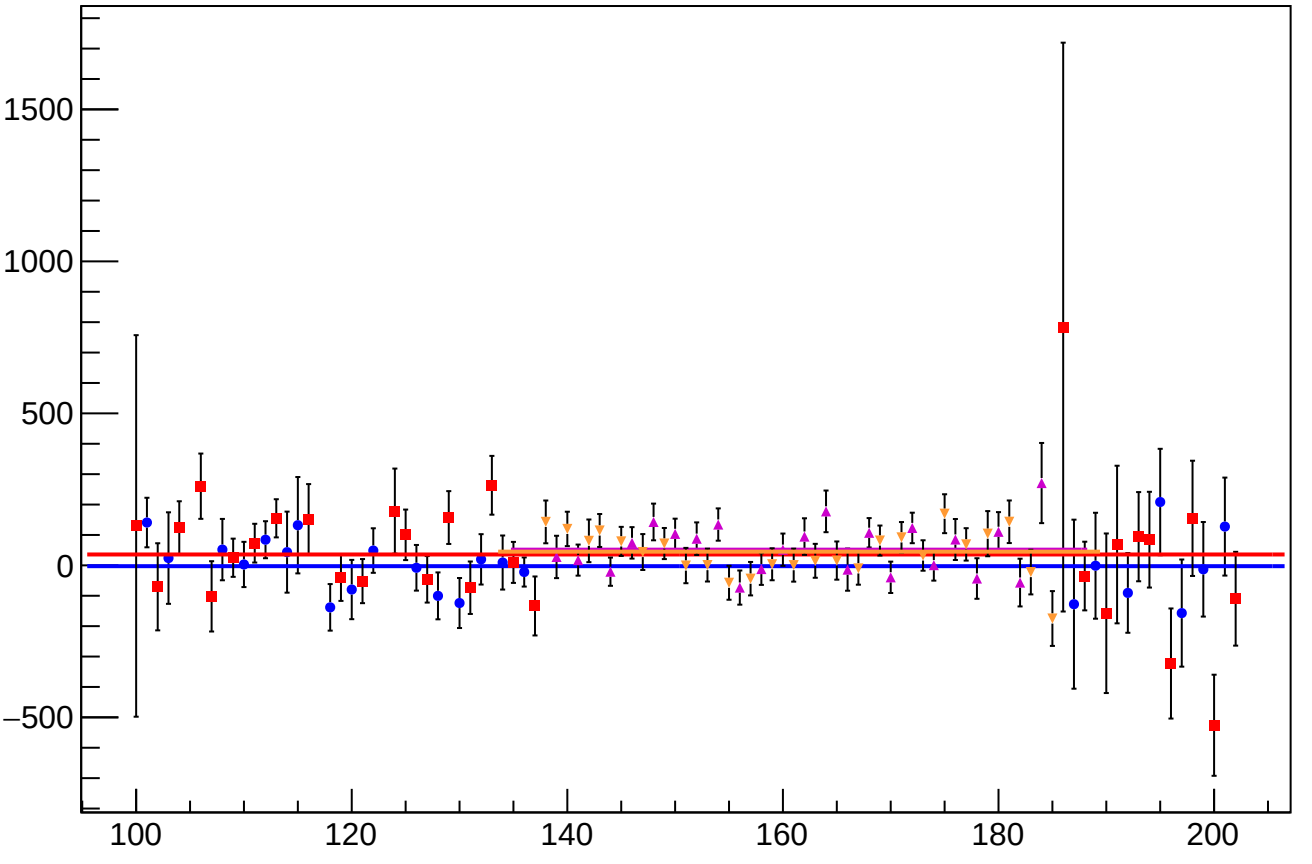
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14210912.1/51

In: 0.000+/-0.000 χ^2/NDF:10620931.4/45

Out: 0.000+/-0.000 χ^2/NDF:14474907.0/53

All: 0.000+/-0.000 χ^2/NDF: 25161720.5/99



Right In: -2.685+/-19.069 χ^2/NDF: 18.1/22

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 35.794+/-18.475 χ^2/NDF: 48.3/28

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

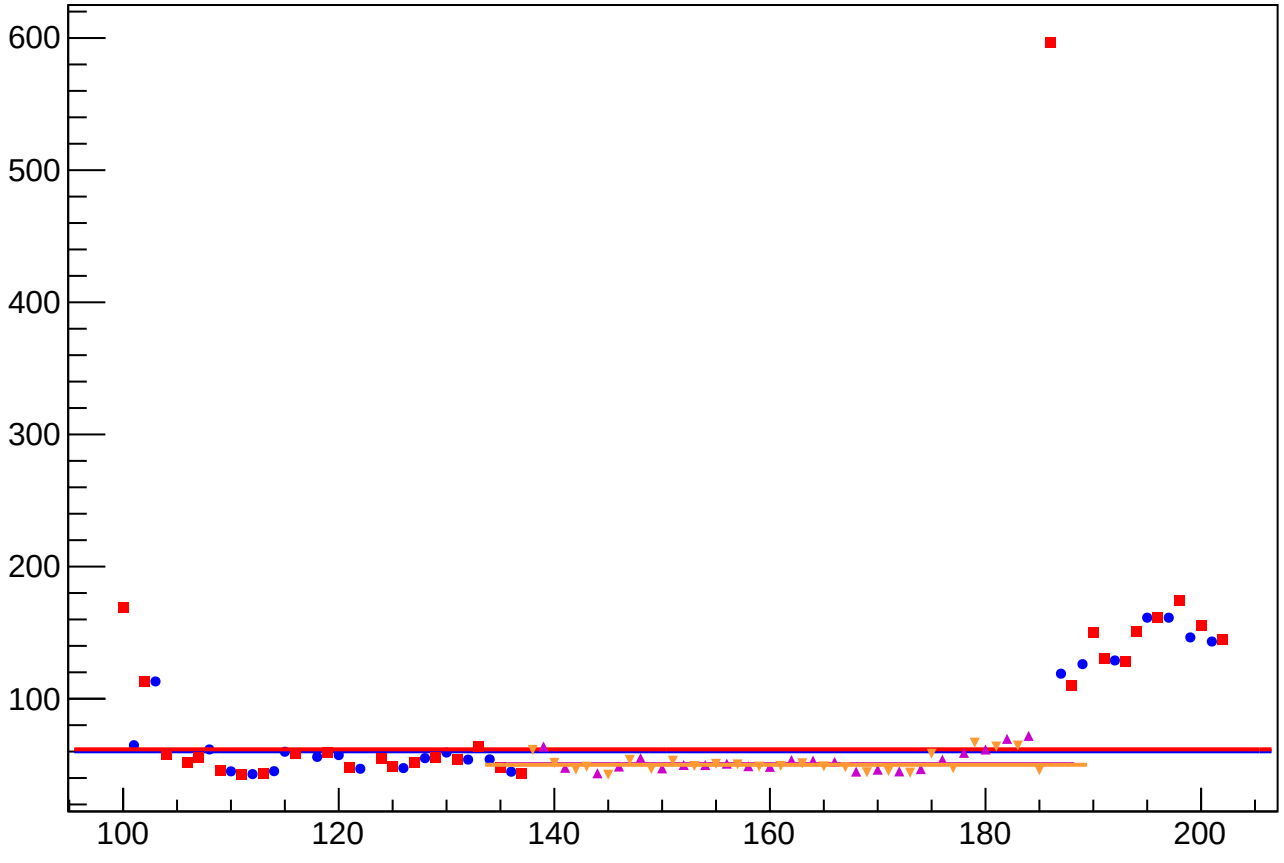
Right: 17.163+/-13.269 χ^2/NDF: 68.6/51

In: 36.343+/-10.113 χ^2/NDF:59.8/45

Out: 42.498+/-9.760 χ^2/NDF:79.9/53

All: 39.530+/-7.023 χ^2/NDF: 139.9/99

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 60.223+/-0.013 χ^2/NDF: 4287662.0/22

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 61.721+/-0.013 χ^2/NDF: 6134484.7/28

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

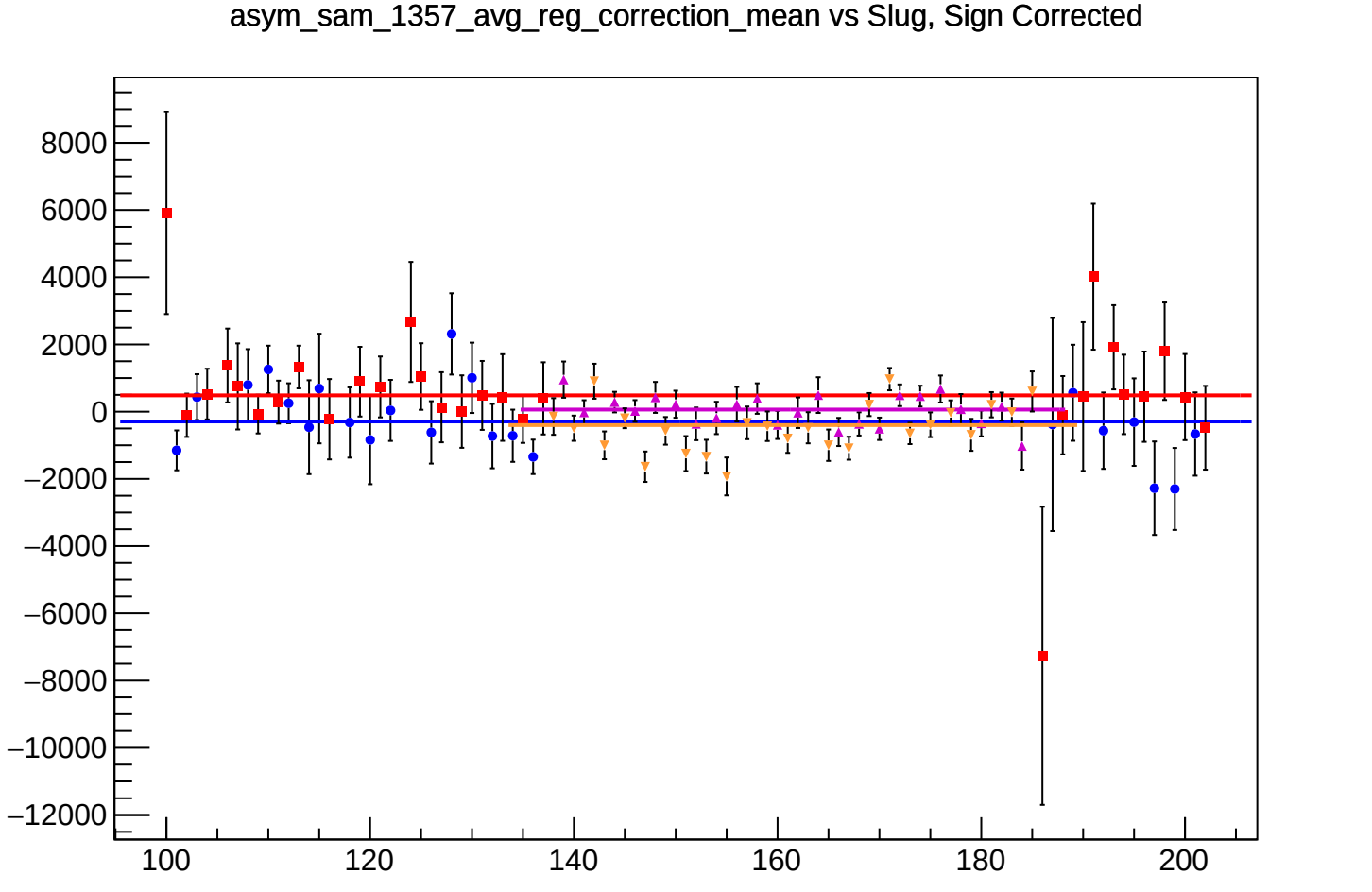
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 60.996+/-0.009 χ^2/NDF: 10428510.6/51

In: 53.243+/-0.007 χ^2/NDF:5163872.7/45

Out: 53.286+/-0.007 χ^2/NDF:7221812.9/53

All: 53.265+/-0.005 χ^2/NDF: 12385703.9/99



Right In: -291.683+/-191.030 χ^2/NDF: 26.9/22

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 485.411+/-186.056 χ^2/NDF: 20.0/28

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

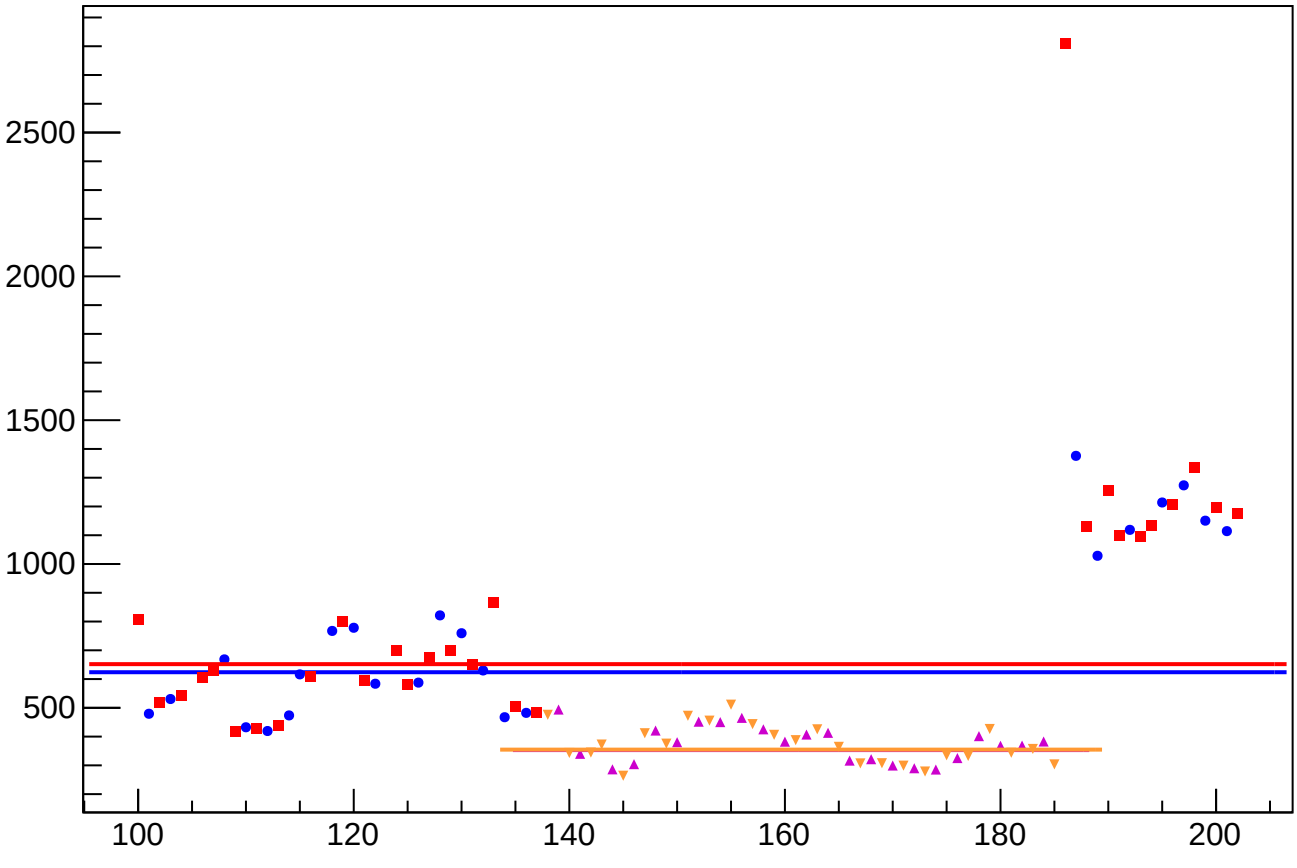
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 107.113+/-133.285 χ^2/NDF: 55.4/51

In: 4.849+/-76.812 χ^2/NDF:53.7/45

Out: -255.269+/-75.084 χ^2/NDF:104.3/53

All: -128.168+/-53.693 χ^2/NDF: 163.9/99



Right In: 623.789+/-0.135 χ^2/NDF: 3144368.5/22

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 651.894+/-0.132 χ^2/NDF: 4340135.2/28

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

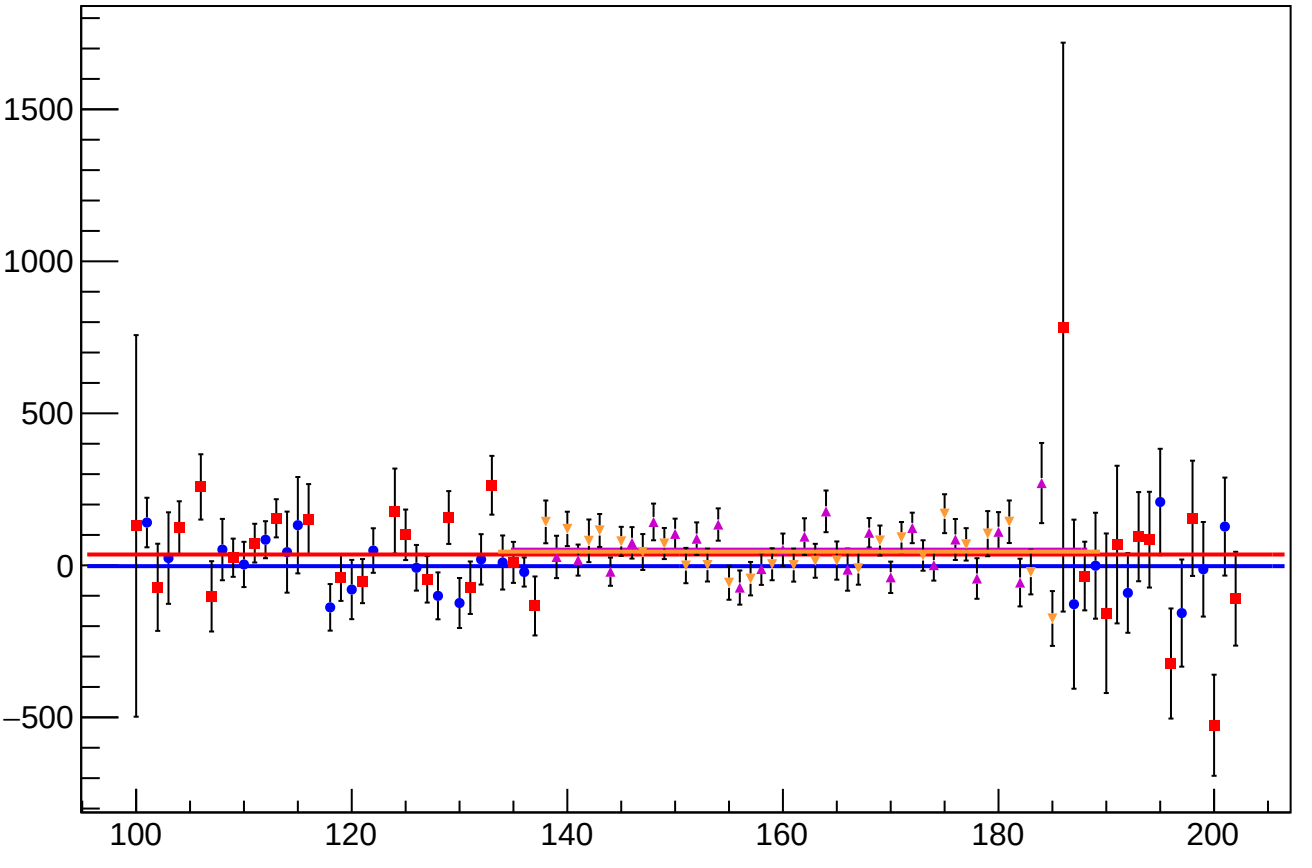
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 638.213+/-0.094 χ^2/NDF: 7506719.9/51

In: 396.873+/-0.054 χ^2/NDF:7514769.3/45

Out: 403.076+/-0.053 χ^2/NDF:9758388.8/53

All: 400.045+/-0.038 χ^2/NDF: 17279827.3/99



Right In: -2.690+/-19.069 χ^2/NDF: 18.1/22

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 35.690+/-18.476 χ^2/NDF: 48.2/28

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

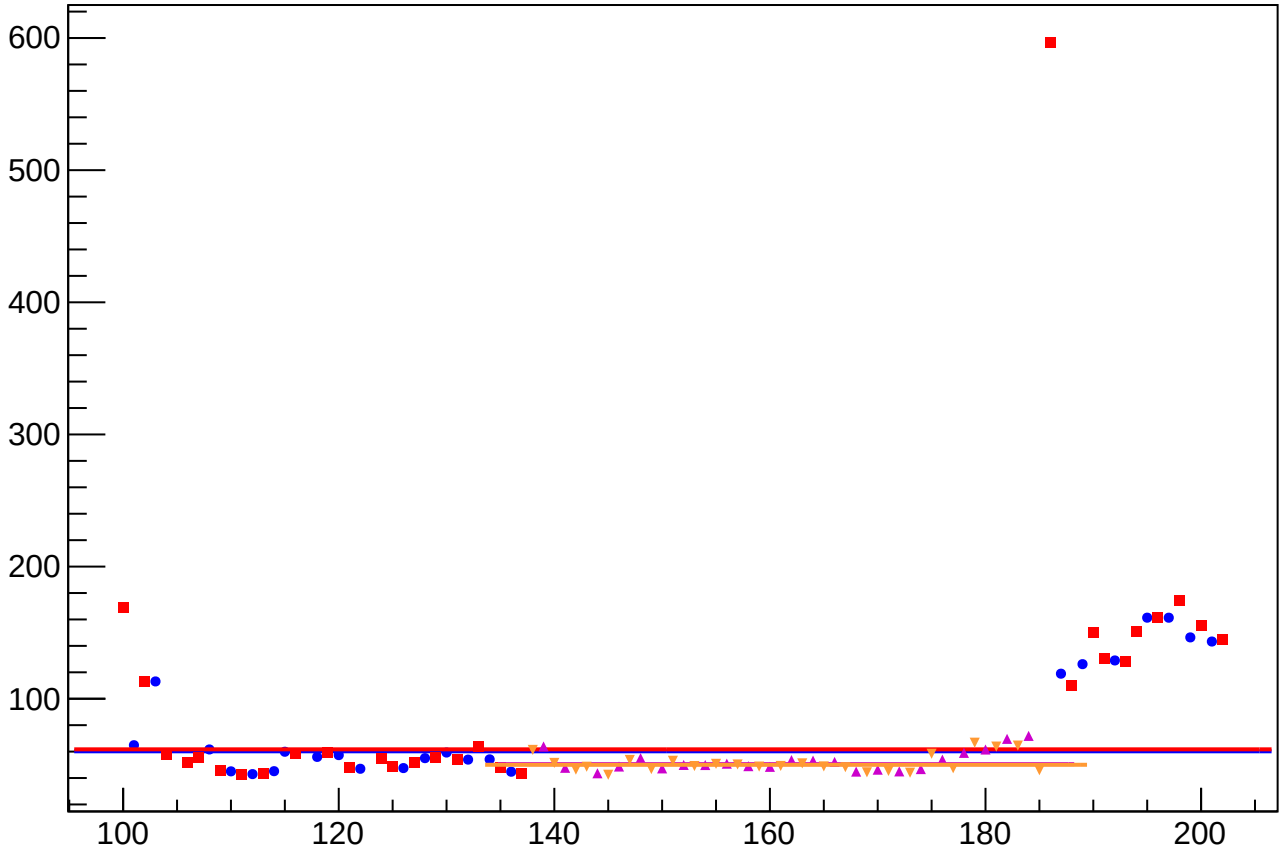
Right: 17.106+/-13.269 χ^2/NDF: 68.5/51

In: 36.342+/-10.113 χ^2/NDF:59.8/45

Out: 42.471+/-9.760 χ^2/NDF:79.8/53

All: 39.516+/-7.023 χ^2/NDF: 139.8/99

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 60.223+/-0.013 χ^2/NDF: 4287664.3/22

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 61.712+/-0.013 χ^2/NDF: 6135765.5/28

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

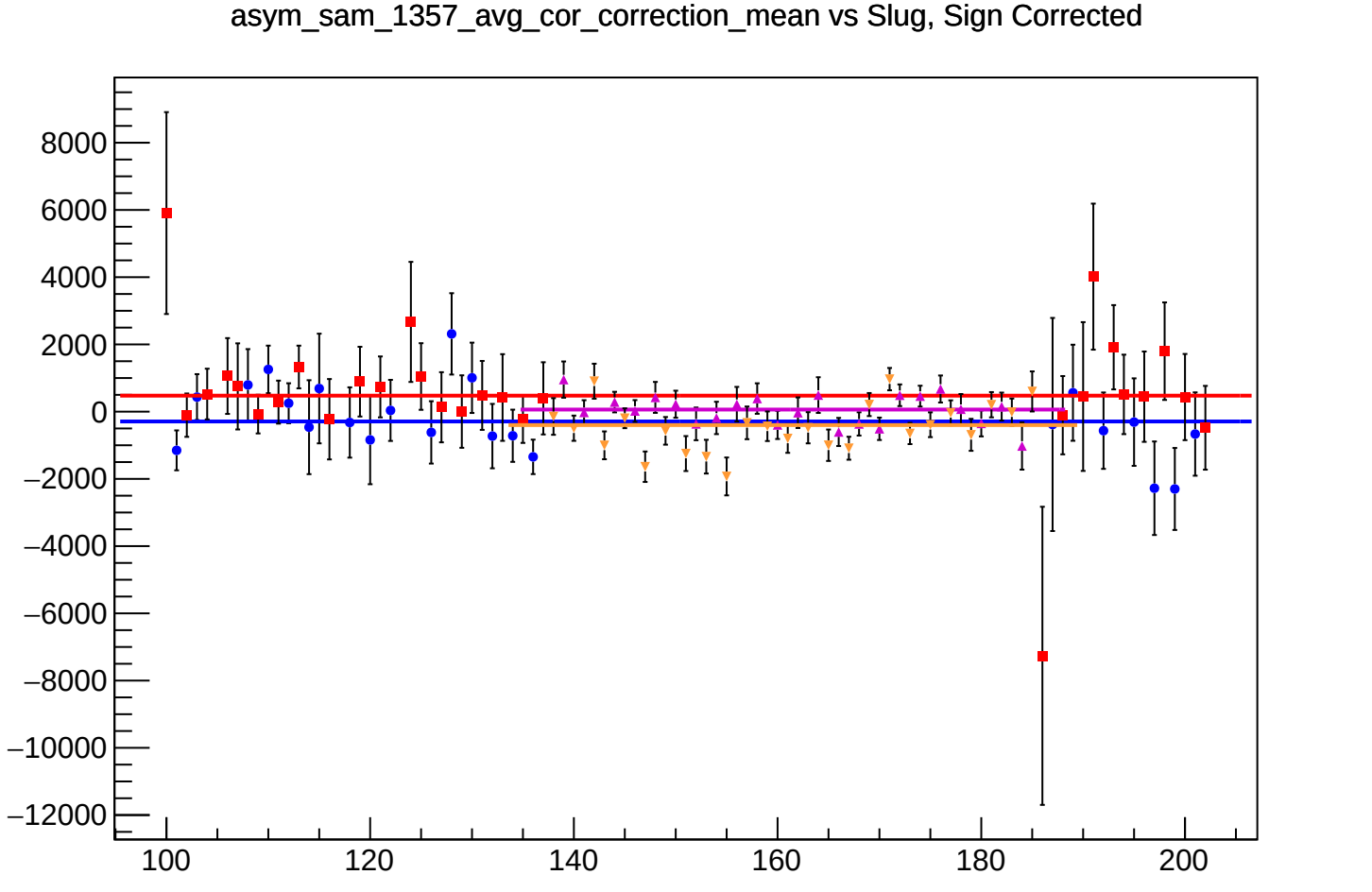
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 60.991+/-0.009 χ^2/NDF: 10429720.2/51

In: 53.243+/-0.007 χ^2/NDF:5163875.0/45

Out: 53.284+/-0.007 χ^2/NDF:7222218.1/53

All: 53.264+/-0.005 χ^2/NDF: 12386109.4/99



Right In: -291.664+/-191.031 χ^2/NDF: 26.9/22

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 476.003+/-186.202 χ^2/NDF: 19.6/28

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

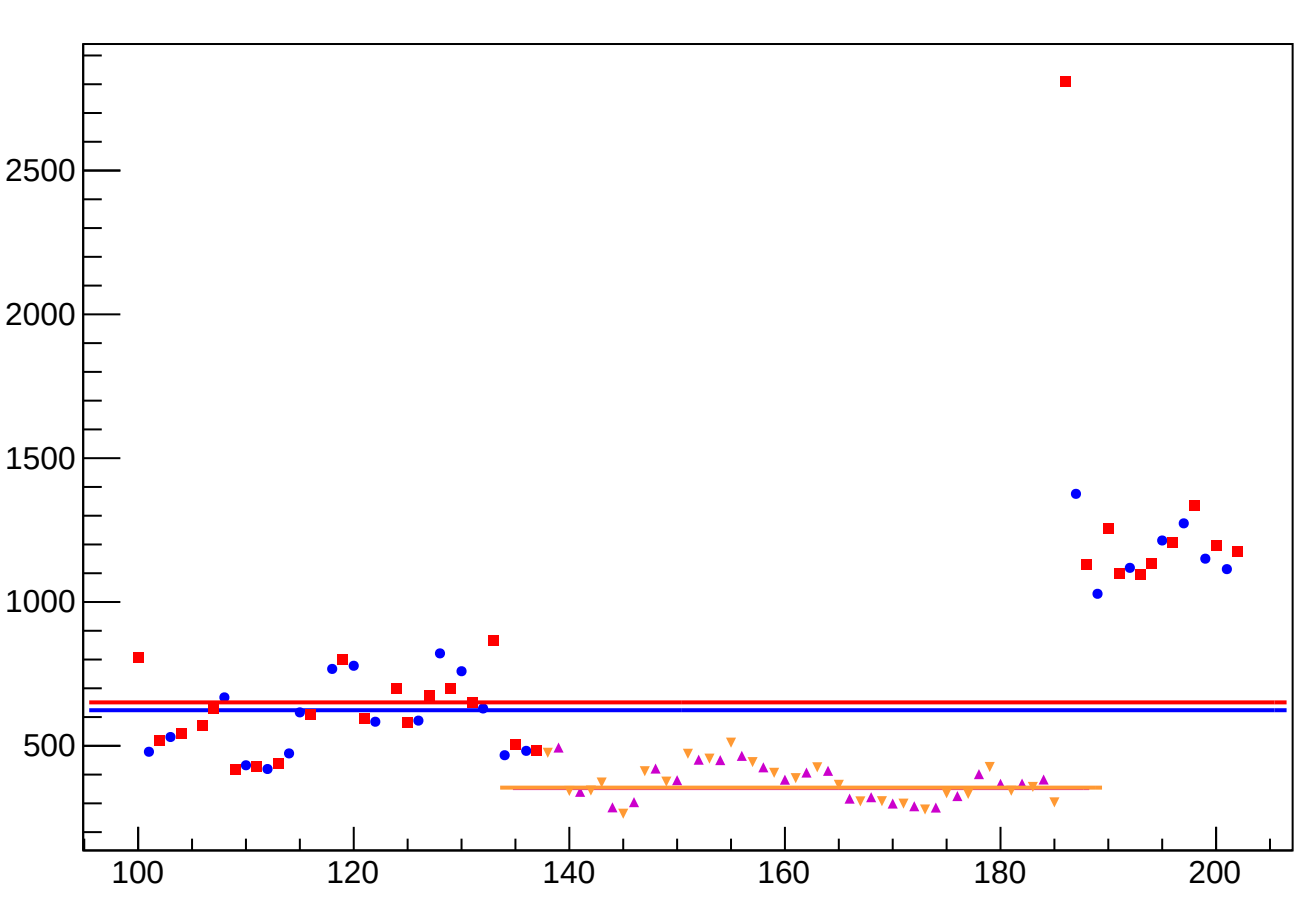
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 101.995+/-133.340 χ^2/NDF: 54.8/51

In: 4.852+/-76.812 χ^2/NDF:53.7/45

Out: -256.985+/-75.094 χ^2/NDF:103.5/53

All: -129.027+/-53.697 χ^2/NDF: 163.1/99



Right In: 623.796+/-0.135 χ^2/NDF: 3144316.6/22

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 651.053+/-0.132 χ^2/NDF: 4346224.0/28

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

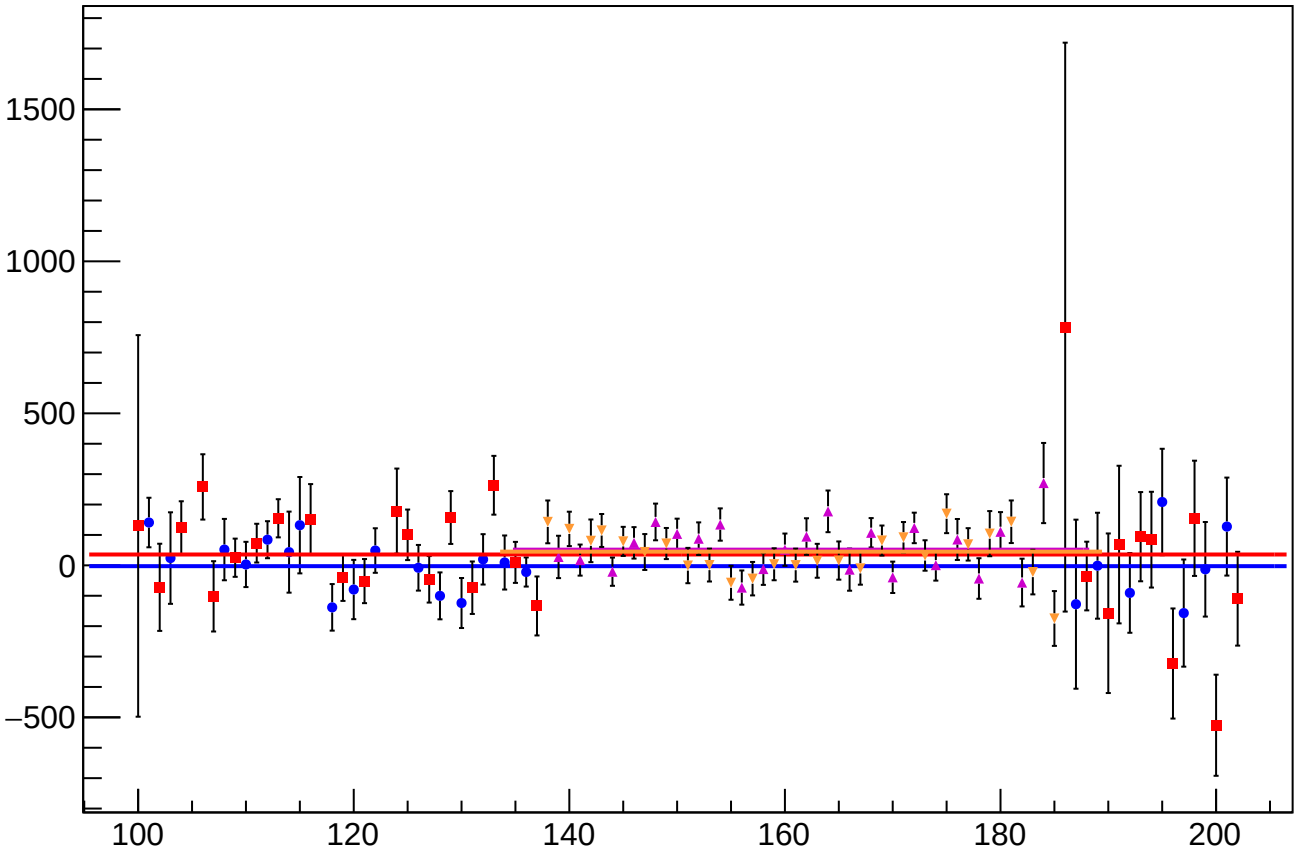
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 637.773+/-0.094 χ^2/NDF: 7511421.5/51

In: 396.873+/-0.054 χ^2/NDF:7514819.4/45

Out: 402.875+/-0.053 χ^2/NDF:9734739.2/53

All: 399.942+/-0.038 χ^2/NDF: 17255801.6/99



Right In: -2.690+/-19.069 χ^2/NDF: 18.1/22

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 35.690+/-18.476 χ^2/NDF: 48.2/28

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

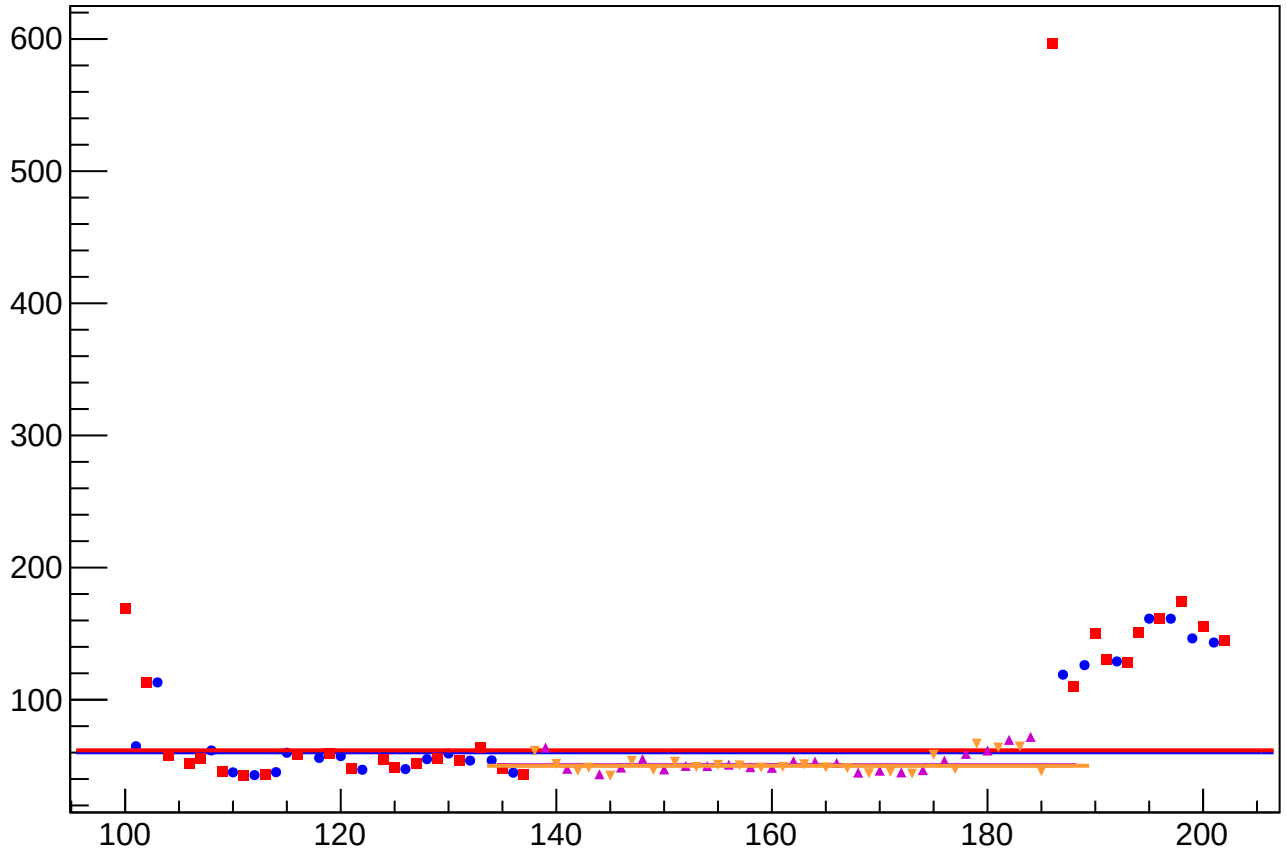
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 17.106+/-13.269 χ^2/NDF: 68.5/51

In: 36.342+/-10.113 χ^2/NDF:59.8/45

Out: 42.471+/-9.760 χ^2/NDF:79.8/53

All: 39.516+/-7.023 χ^2/NDF: 139.8/99



Right In: 60.223+/-0.013 χ^2/NDF: 4287664.3/22

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 61.712+/-0.013 χ^2/NDF: 6135765.5/28

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

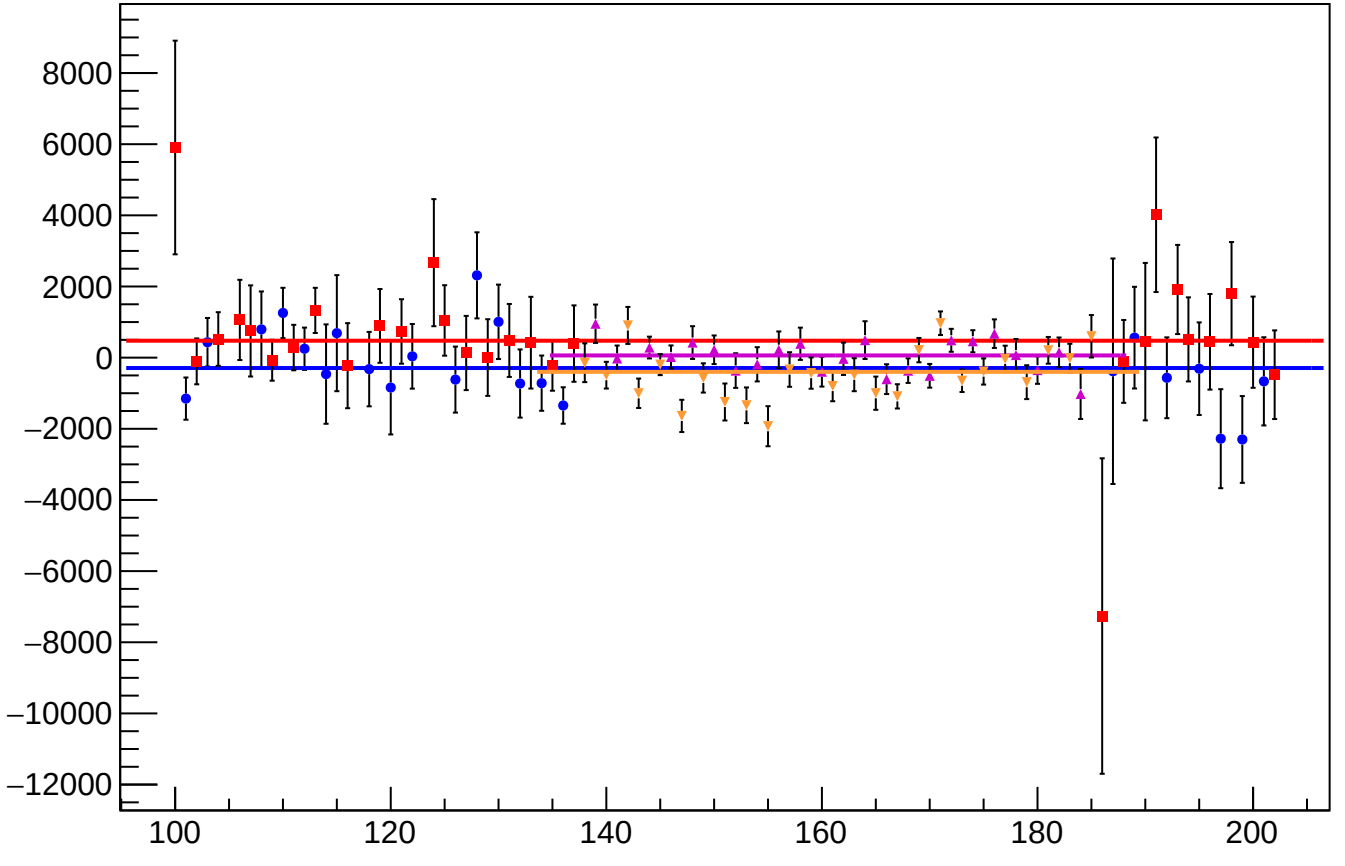
Right: 60.991+/-0.009 χ^2/NDF: 10429720.2/51

In: 53.243+/-0.007 χ^2/NDF:5163875.0/45

Out: 53.284+/-0.007 χ^2/NDF:7222218.1/53

All: 53.264+/-0.005 χ^2/NDF: 12386109.4/99

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -291.664+/-191.031 χ^2/NDF: 26.9/22

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 476.003+/-186.202 χ^2/NDF: 19.6/28

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

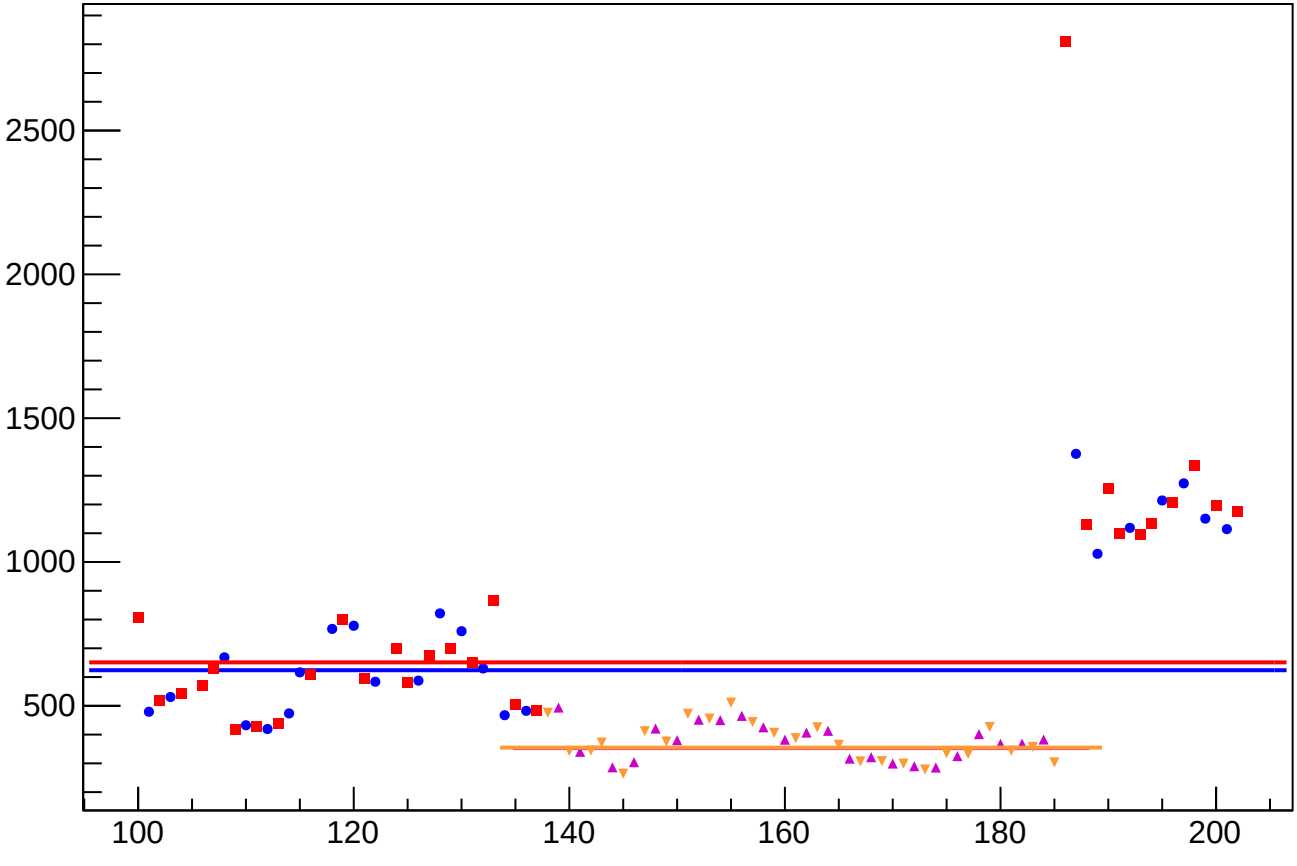
Right: 101.995+/-133.340 χ^2/NDF: 54.8/51

In: 4.852+/-76.812 χ^2/NDF:53.7/45

Out: -256.985+/-75.094 χ^2/NDF:103.5/53

All: -129.027+/-53.697 χ^2/NDF: 163.1/99

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.796+/-0.135 χ^2/NDF: 3144316.6/22

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 651.053+/-0.132 χ^2/NDF: 4346224.0/28

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

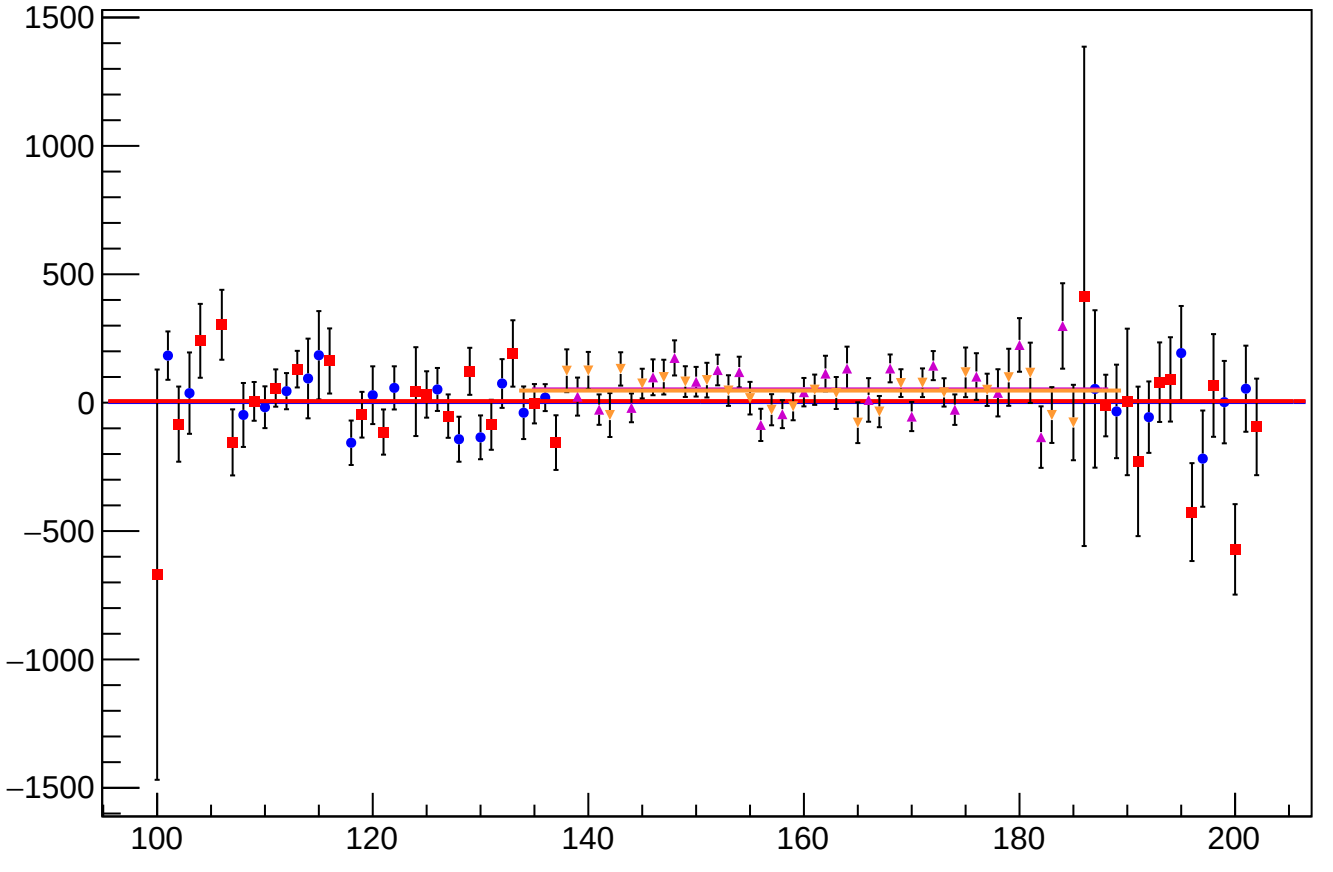
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 637.773+/-0.094 χ^2/NDF: 7511421.5/51

In: 396.873+/-0.054 χ^2/NDF:7514819.4/45

Out: 402.875+/-0.053 χ^2/NDF:9734739.2/53

All: 399.942+/-0.038 χ^2/NDF: 17255801.6/99



Right In: 2.404+/-21.301 χ^2/NDF: 19.0/22

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 6.116+/-21.246 χ^2/NDF: 42.5/28

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

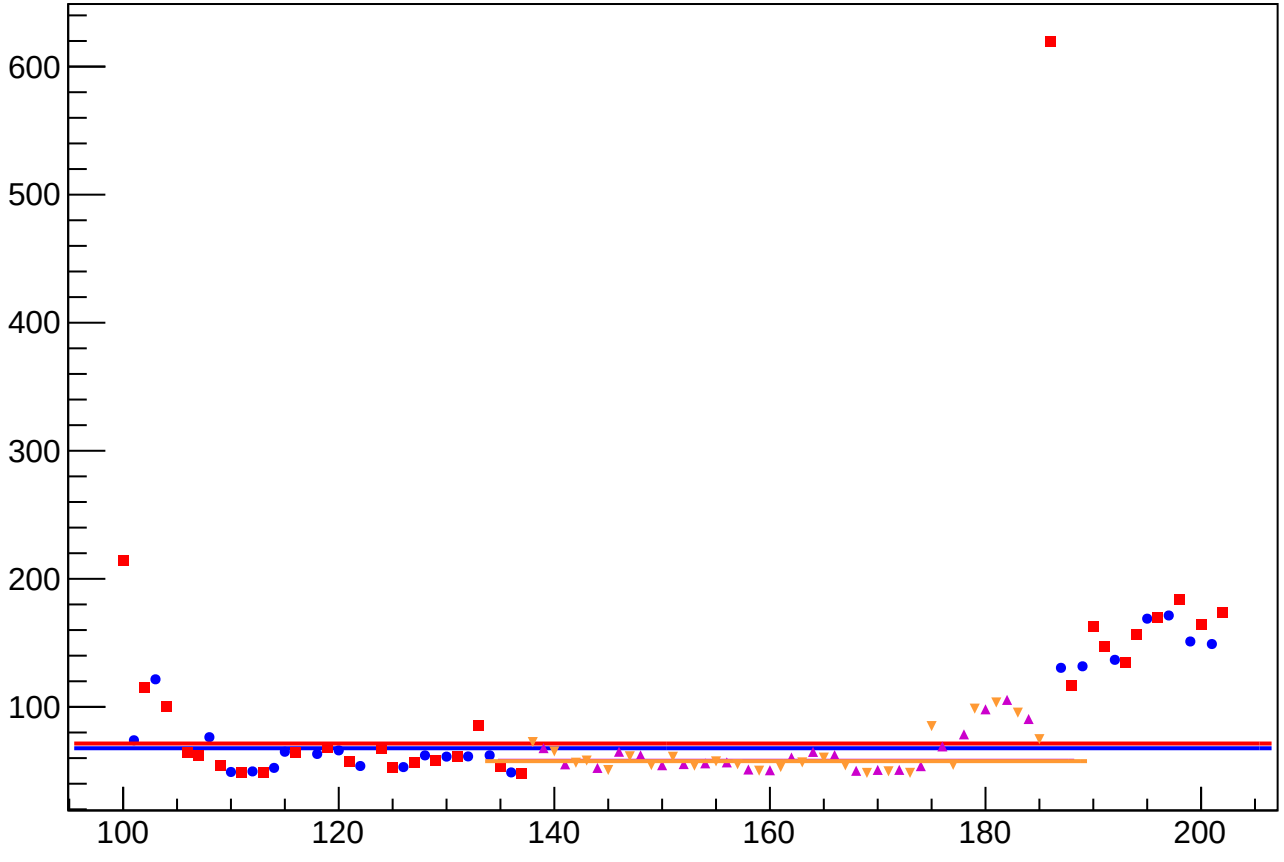
Right: 4.265+/-15.043 χ^2/NDF: 61.4/51

In: 36.894+/-11.660 χ^2/NDF:60.9/45

Out: 35.334+/-11.401 χ^2/NDF:62.1/53

All: 36.096+/-8.152 χ^2/NDF: 123.0/99

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 67.694+/-0.015 χ^2/NDF: 3976610.1/22

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 71.395+/-0.015 χ^2/NDF: 5784593.1/28

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

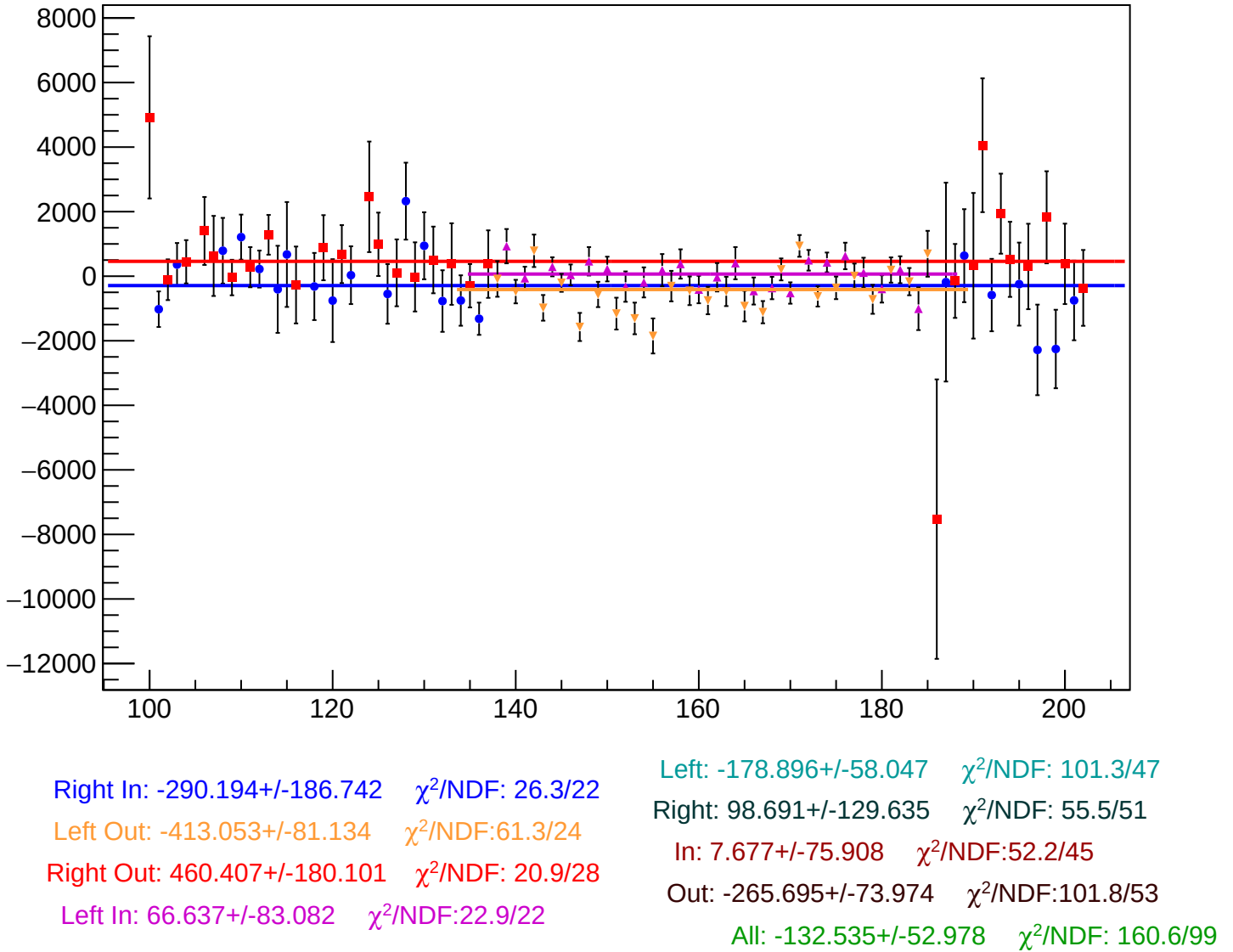
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

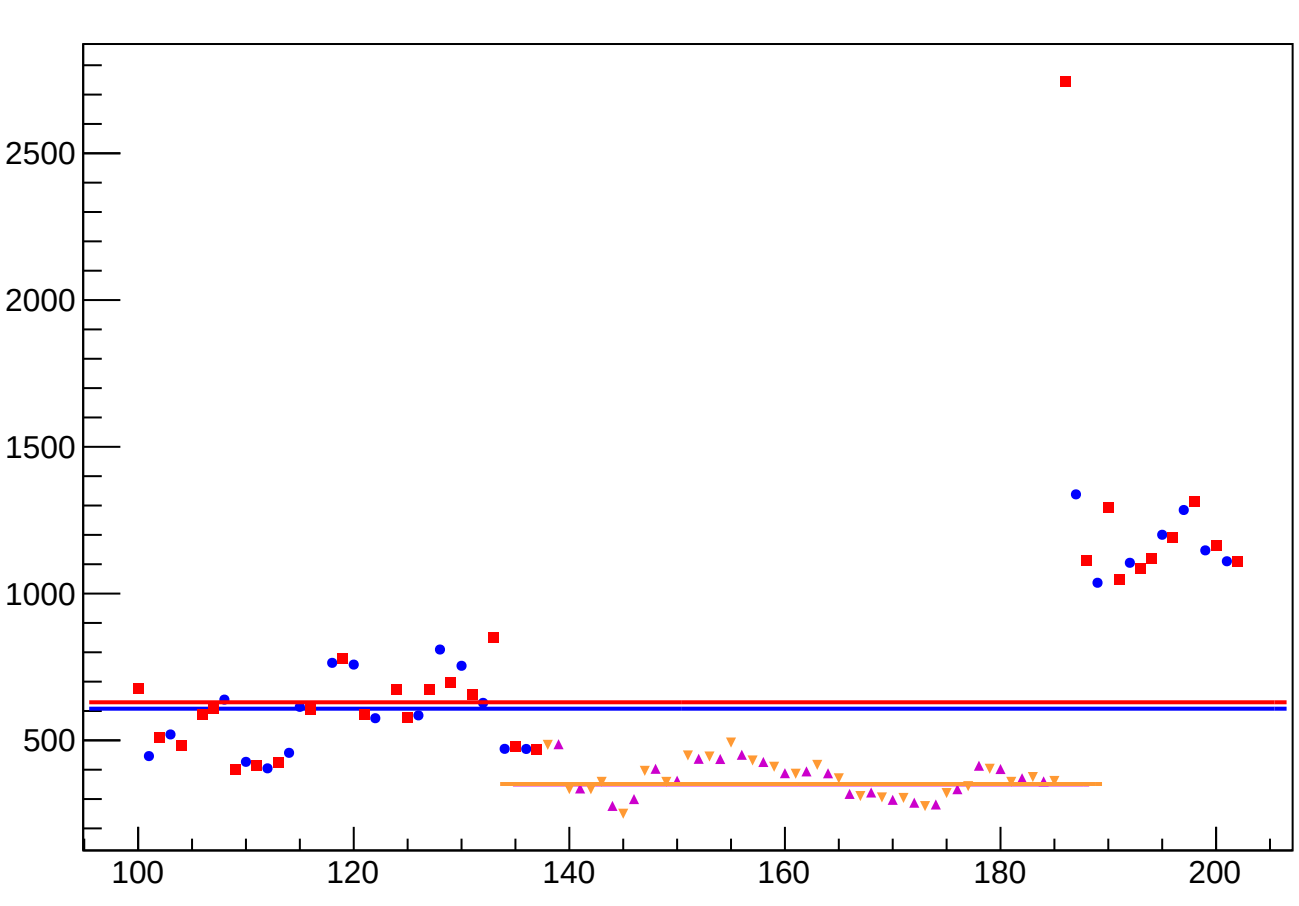
Right: 69.549+/-0.011 χ^2/NDF: 9791462.3/51

In: 60.863+/-0.008 χ^2/NDF:5394839.1/45

Out: 61.594+/-0.008 χ^2/NDF:7747713.0/53

All: 61.237+/-0.006 χ^2/NDF: 13146576.1/99


asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -290.194+/-186.742 χ²/NDF: 26.3/22
Left Out: -413.053+/-81.134 χ²/NDF:61.3/24
Right Out: 460.407+/-180.101 χ²/NDF: 20.9/28
Left In: 66.637+/-83.082 χ²/NDF:22.9/22
Left: -178.896+/-58.047 χ²/NDF: 101.3/47
Right: 98.691+/-129.635 χ²/NDF: 55.5/51
In: 7.677+/-75.908 χ²/NDF:52.2/45
Out: -265.695+/-73.974 χ²/NDF:101.8/53
All: -132.535+/-52.978 χ²/NDF: 160.6/99



Right In: 607.820+/-0.132 χ^2/NDF: 3301826.2/22

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 629.680+/-0.127 χ^2/NDF: 4491134.4/28

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

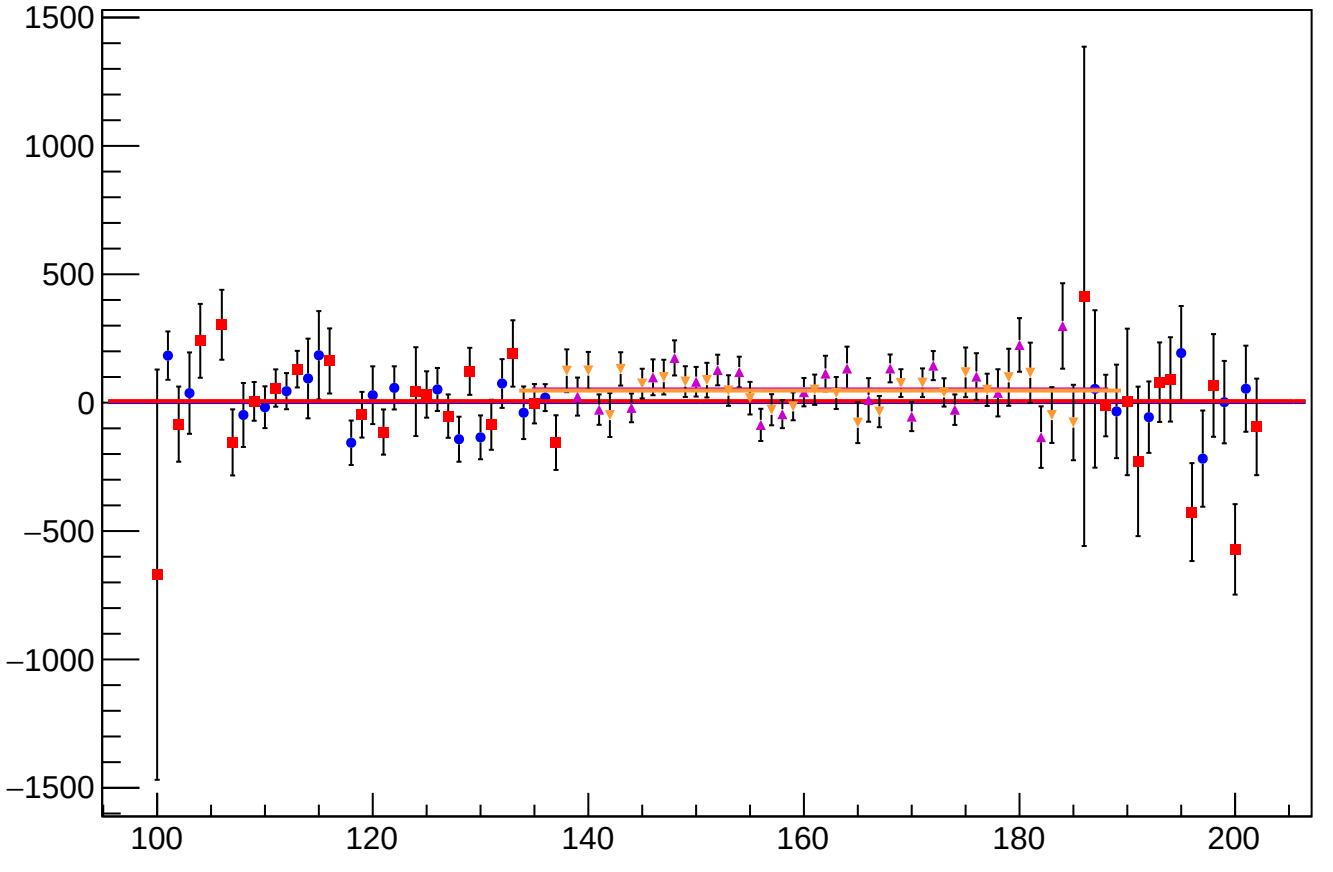
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 619.146+/-0.092 χ^2/NDF: 7807160.2/51

In: 392.444+/-0.054 χ^2/NDF:7479142.4/45

Out: 398.235+/-0.052 χ^2/NDF:9582601.1/53

All: 395.414+/-0.037 χ^2/NDF: 17067713.7/99



Right In: 2.404+/-21.301 χ^2/NDF: 19.0/22

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 6.115+/-21.246 χ^2/NDF: 42.5/28

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

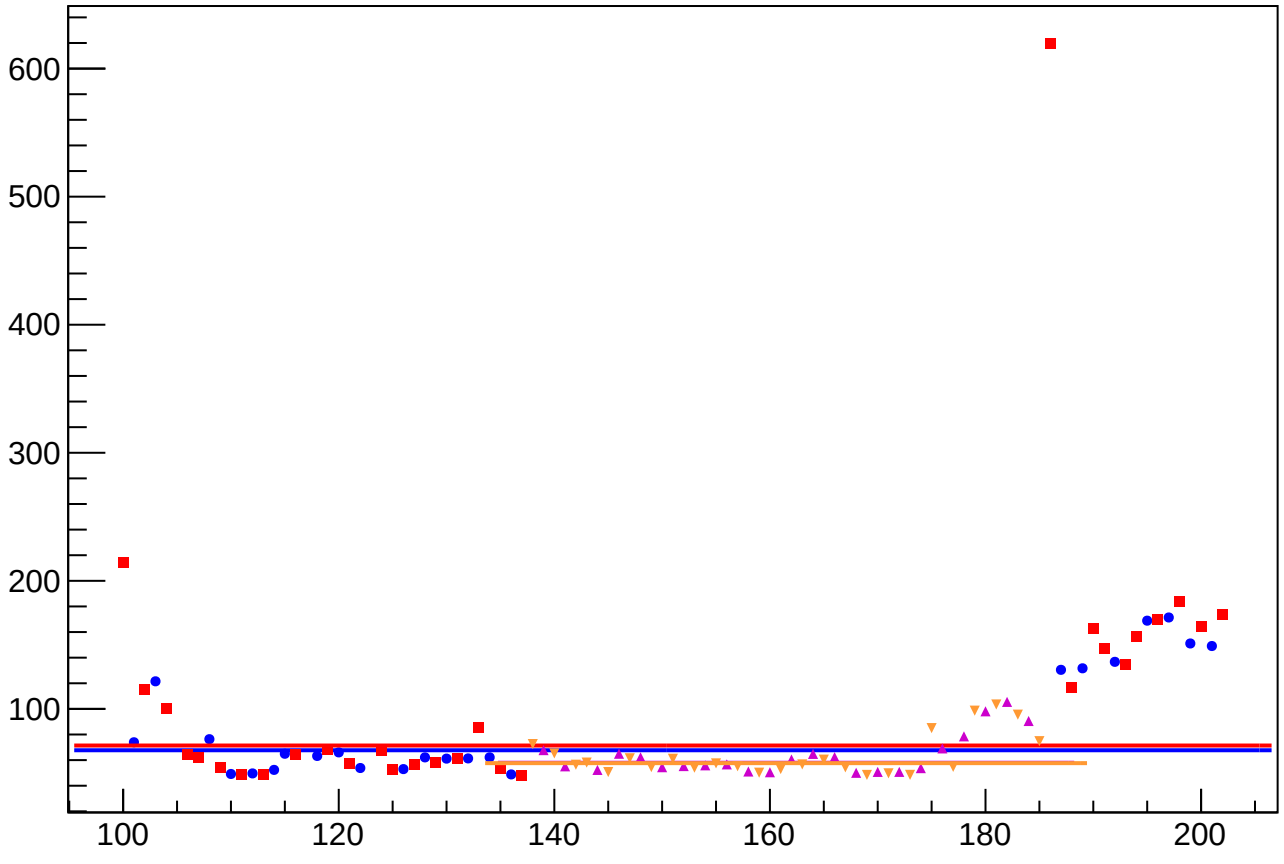
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 4.264+/-15.043 χ^2/NDF: 61.4/51

In: 36.894+/-11.660 χ^2/NDF:60.9/45

Out: 35.334+/-11.401 χ^2/NDF:62.1/53

All: 36.096+/-8.152 χ^2/NDF: 123.0/99



Right In: 67.694+/-0.015 χ^2/NDF: 3976596.3/22

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 71.395+/-0.015 χ^2/NDF: 5784585.4/28

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

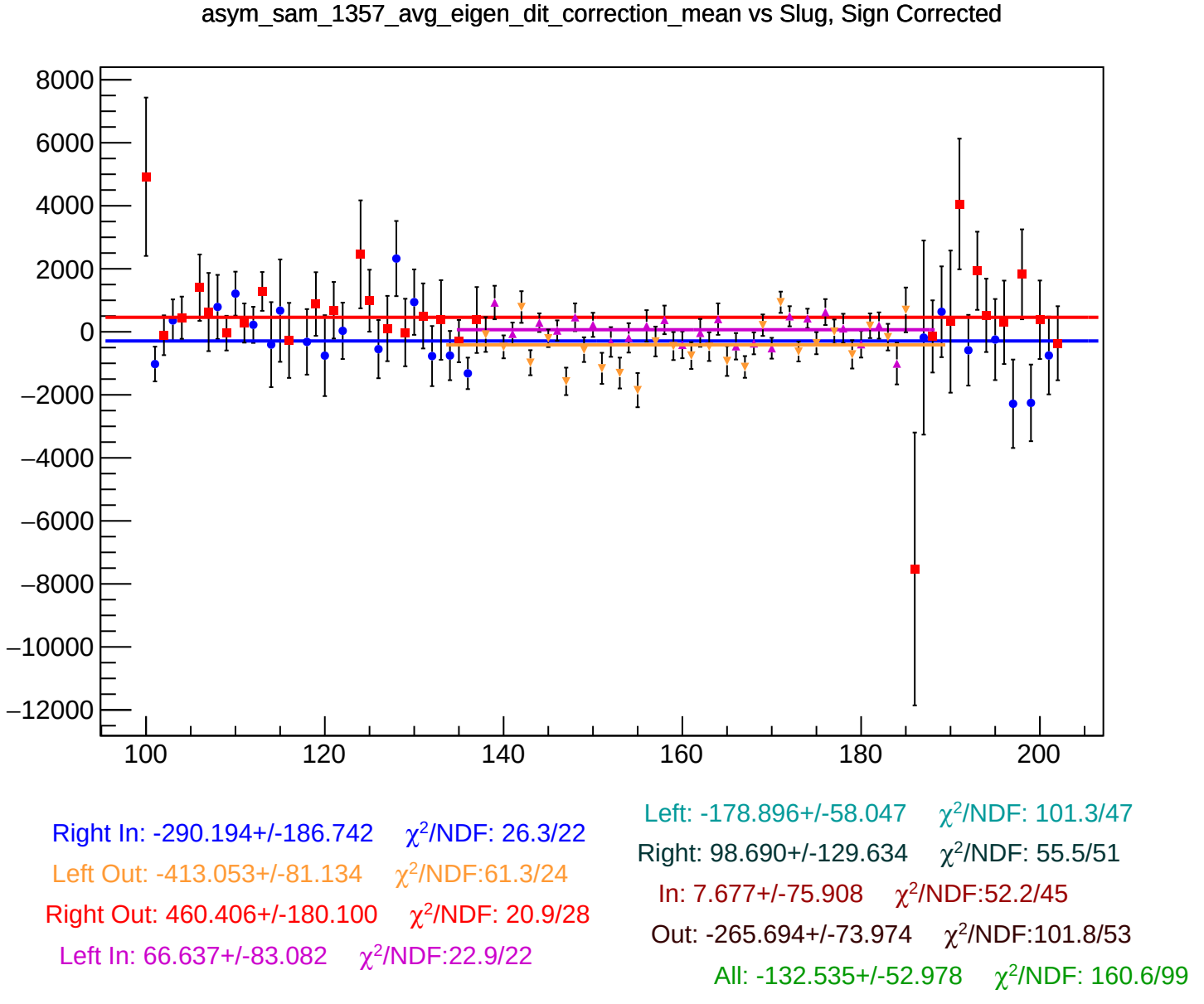
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 69.549+/-0.011 χ^2/NDF: 9791441.2/51

In: 60.863+/-0.008 χ^2/NDF:5394810.6/45

Out: 61.595+/-0.008 χ^2/NDF:7747702.9/53

All: 61.237+/-0.006 χ^2/NDF: 13146537.3/99


asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
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2000
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−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
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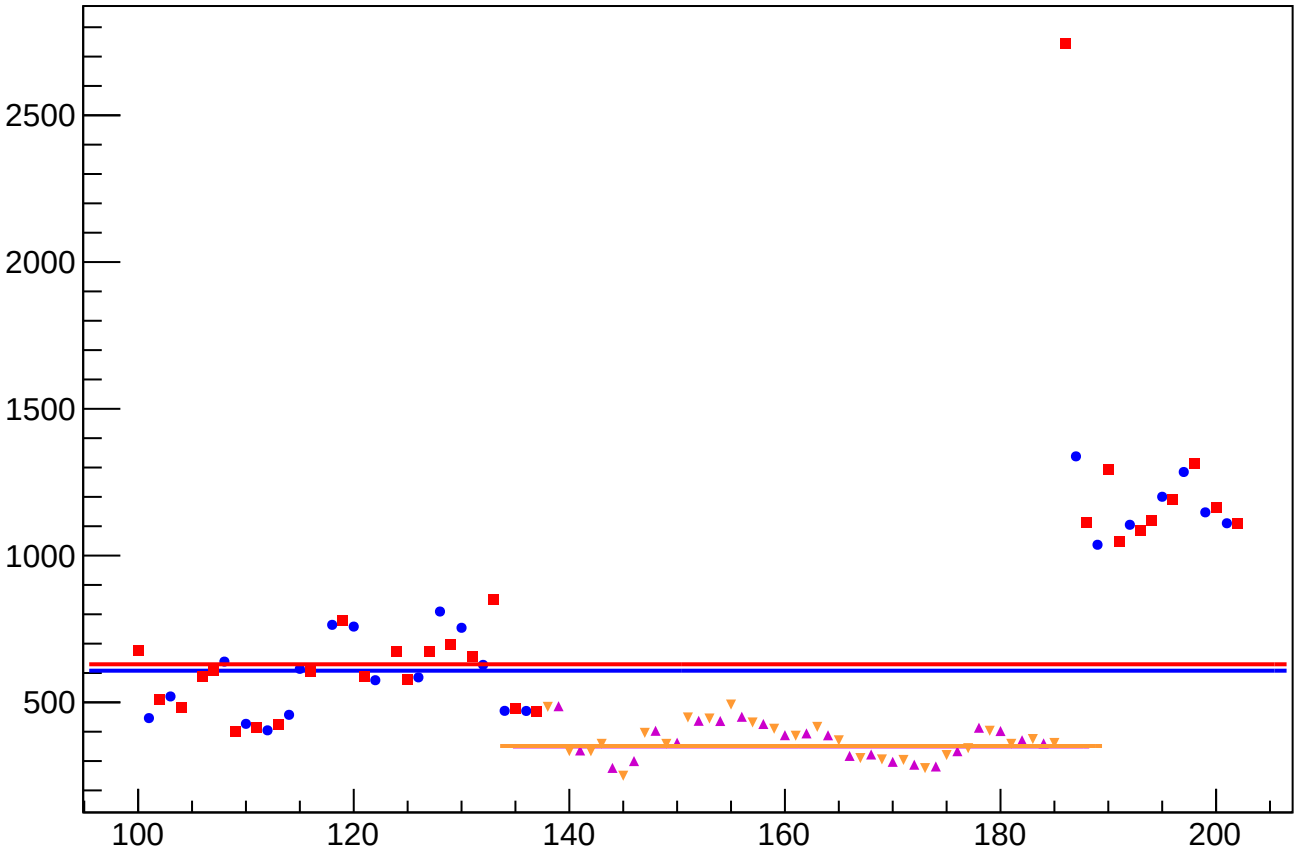
200
Right In: -290.194+/-186.742 χ²/NDF: 26.3/22
Left Out: -413.053+/-81.134 χ²/NDF:61.3/24
Right Out: 460.406+/-180.100 χ²/NDF: 20.9/28
Left In: 66.637+/-83.082 χ²/NDF:22.9/22
Left: -178.896+/-58.047 χ²/NDF: 101.3/47
Right: 98.690+/-129.634 χ²/NDF: 55.5/51
In: 7.677+/-75.908 χ²/NDF:52.2/45
Out: -265.694+/-73.974 χ²/NDF:101.8/53
All: -132.535+/-52.978 χ²/NDF: 160.6/99



Right In: 607.819+/-0.132 χ^2/NDF: 3301833.0/22

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 629.679+/-0.127 χ^2/NDF: 4491139.1/28

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

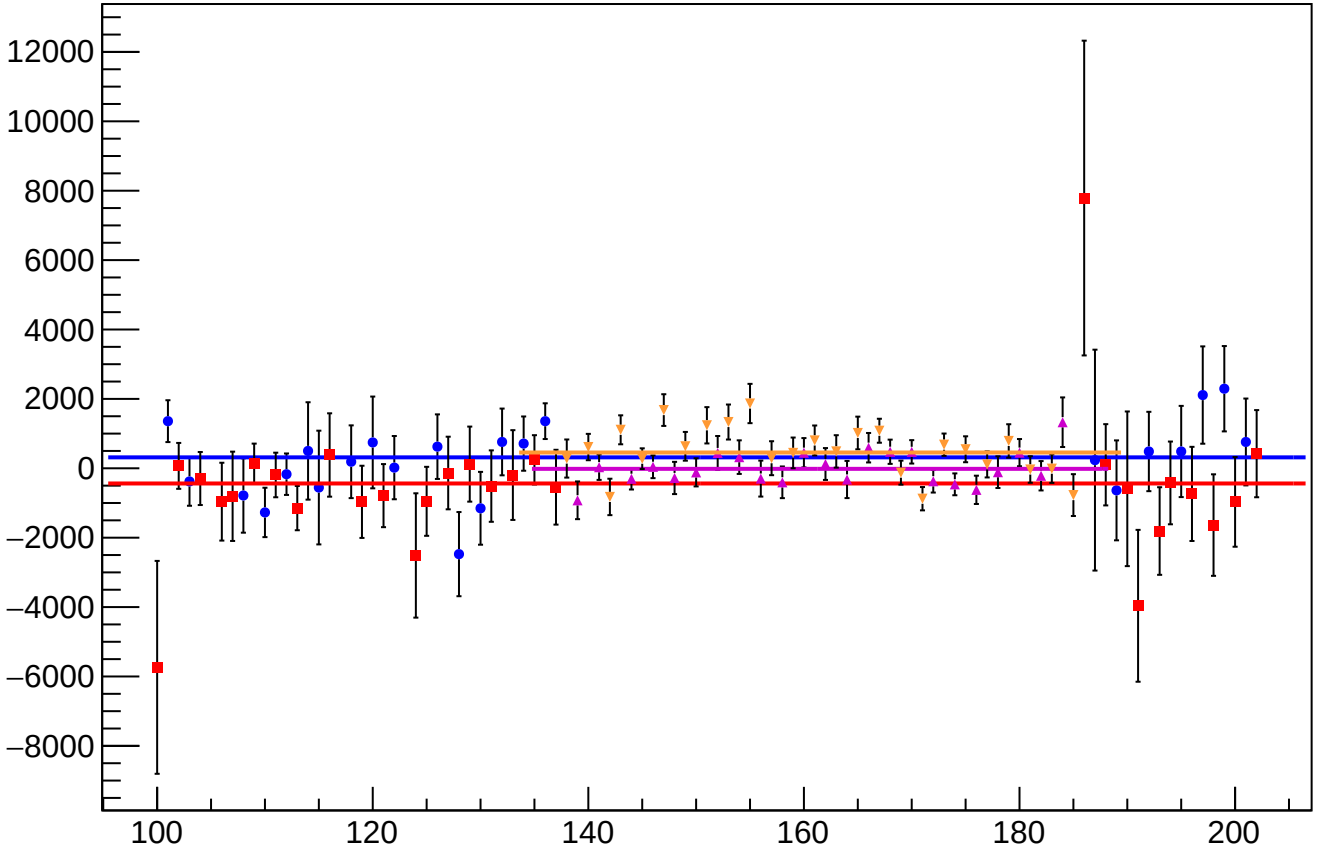
Right: 619.144+/-0.092 χ^2/NDF: 7807171.7/51

In: 392.444+/-0.054 χ^2/NDF:7479127.6/45

Out: 398.234+/-0.052 χ^2/NDF:9582588.7/53

All: 395.414+/-0.037 χ^2/NDF: 17067686.2/99

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 315.246+/-192.594 χ^2/NDF: 27.9/22

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -437.601+/-187.574 χ^2/NDF: 18.7/28

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

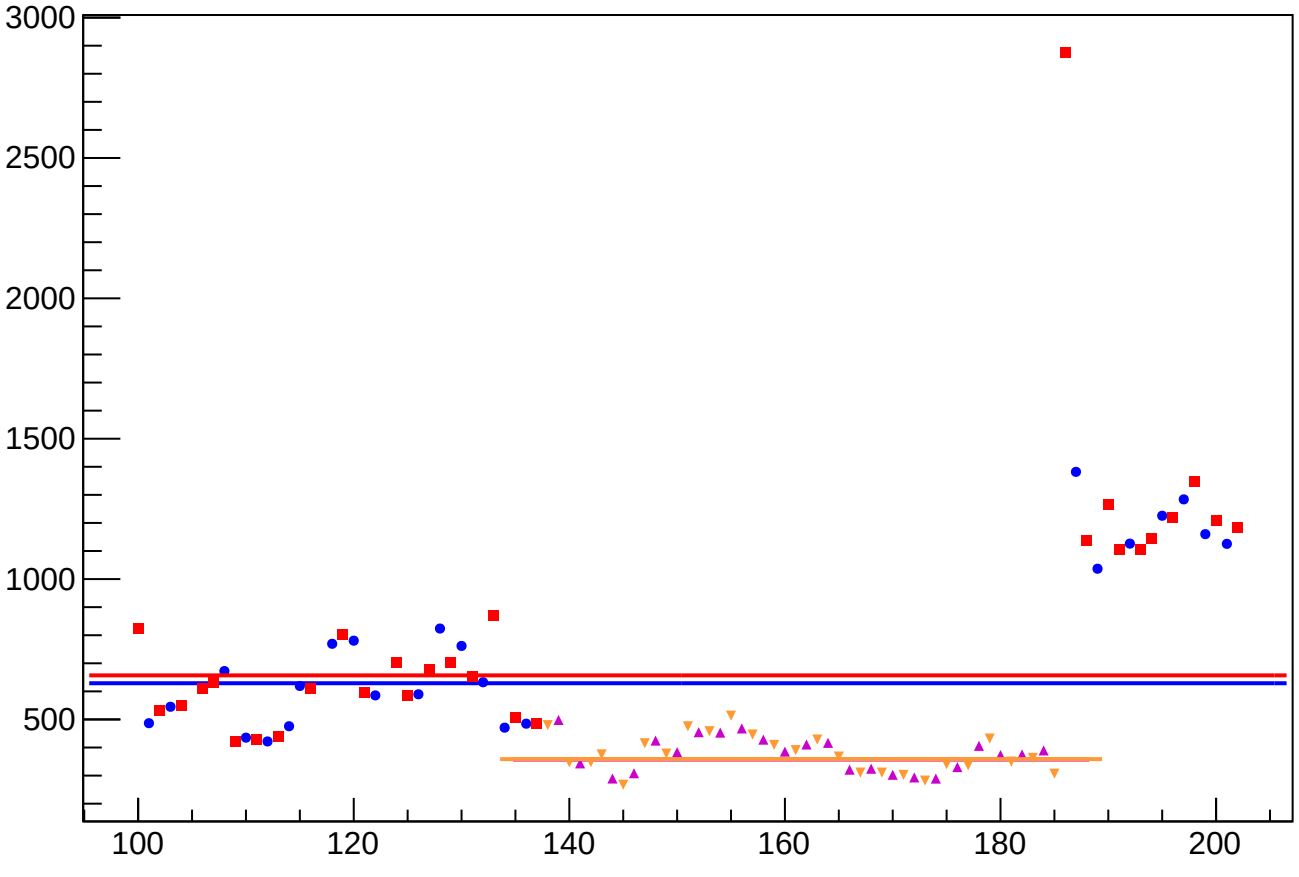
Right: -71.116+/-134.375 χ^2/NDF: 54.5/51

In: 37.761+/-77.633 χ^2/NDF:55.3/45

Out: 309.159+/-75.871 χ^2/NDF:98.5/53

All: 176.575+/-54.261 χ^2/NDF: 160.0/99

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 629.003+/-0.136 χ^2/NDF: 3135347.8/22

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 657.003+/-0.133 χ^2/NDF: 4339778.6/28

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

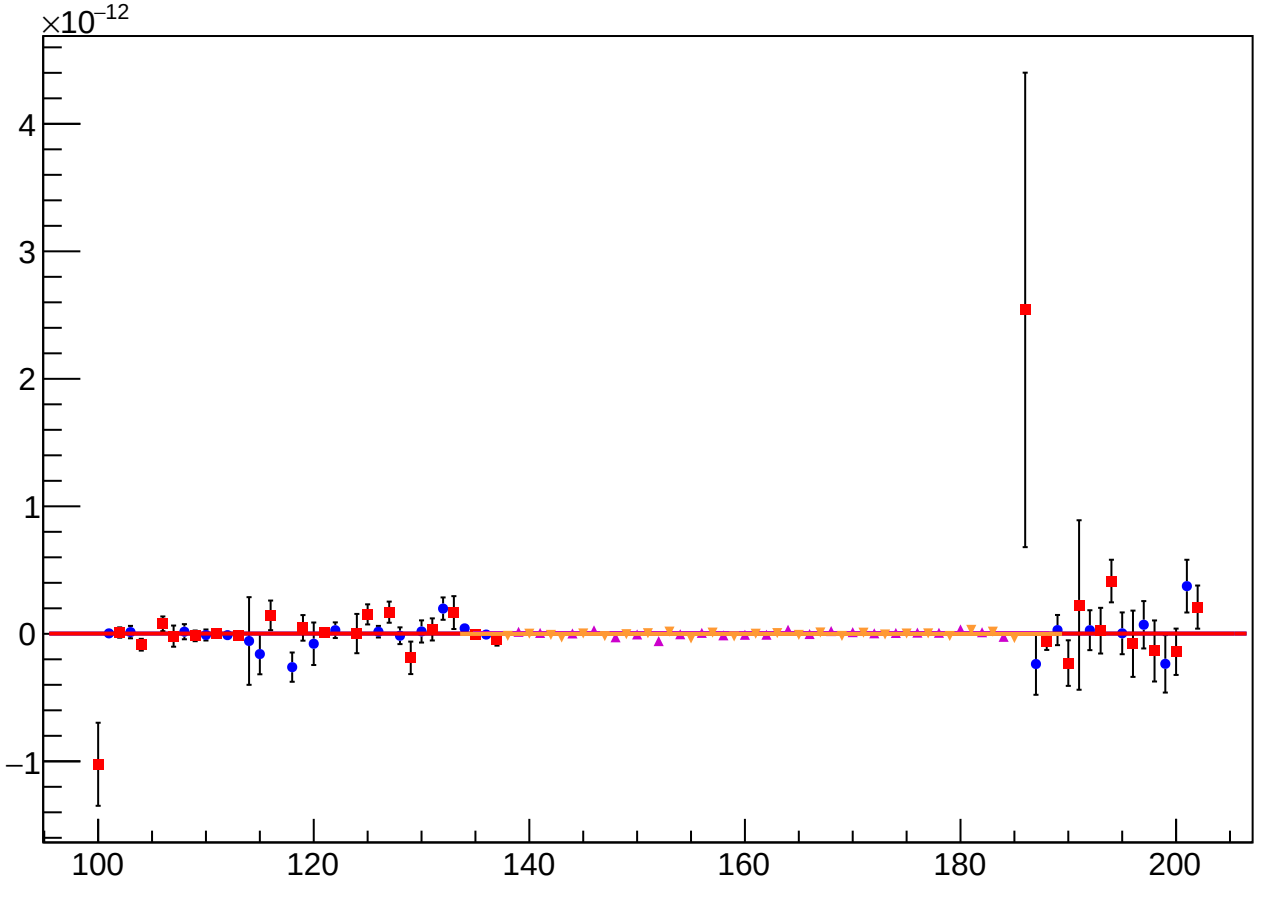
Right: 643.373+/-0.095 χ^2/NDF: 7496820.9/51

In: 401.349+/-0.055 χ^2/NDF:7453575.0/45

Out: 407.485+/-0.054 χ^2/NDF:9690629.8/53

All: 404.488+/-0.038 χ^2/NDF: 17150596.6/99

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.2/28

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

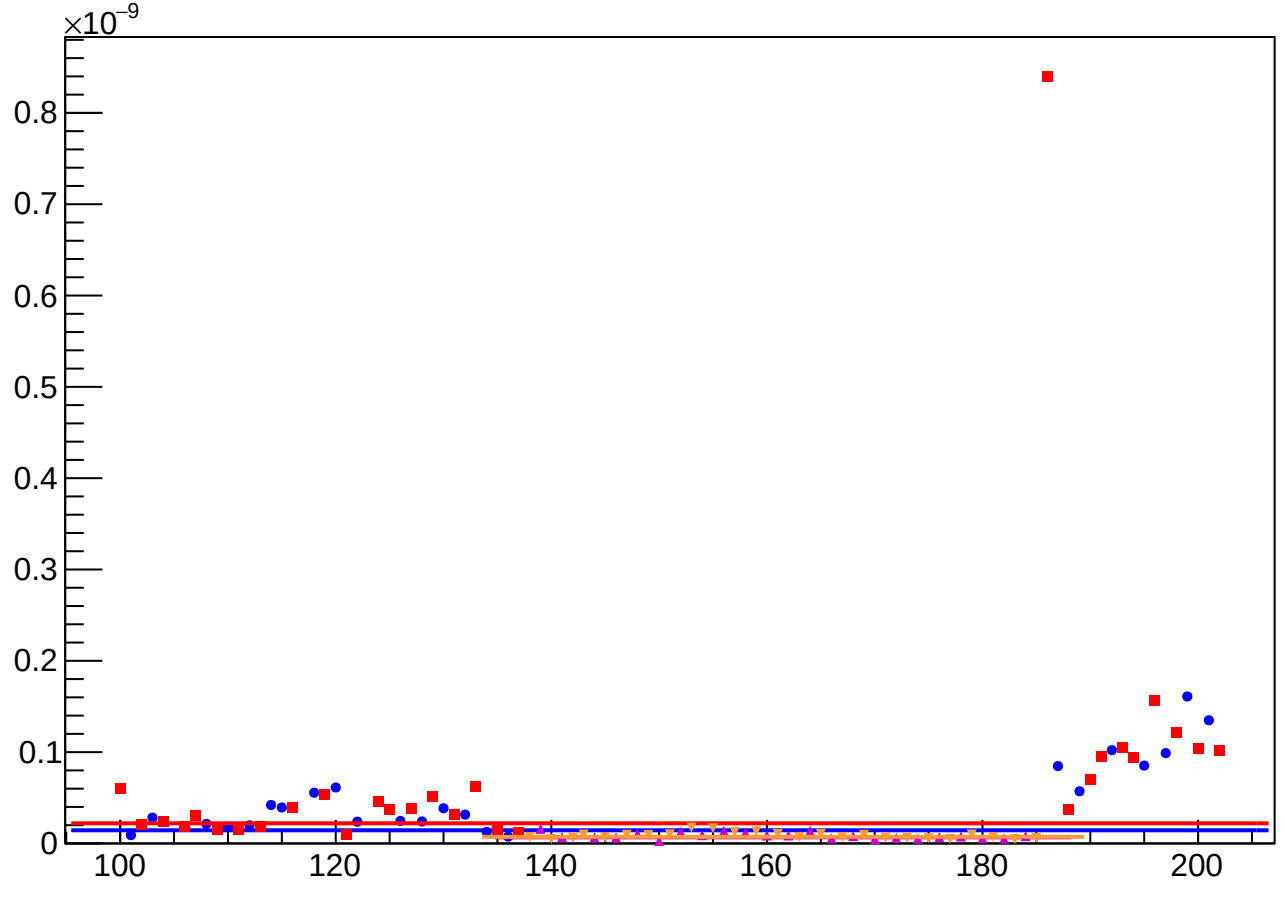
Right: 0.000+/-0.000 χ^2/NDF: 62.4/51

In: 0.000+/-0.000 χ^2/NDF:47.8/45

Out: -0.000+/-0.000 χ^2/NDF:61.4/53

All: 0.000+/-0.000 χ^2/NDF: 111.6/99

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5184517.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4667833.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

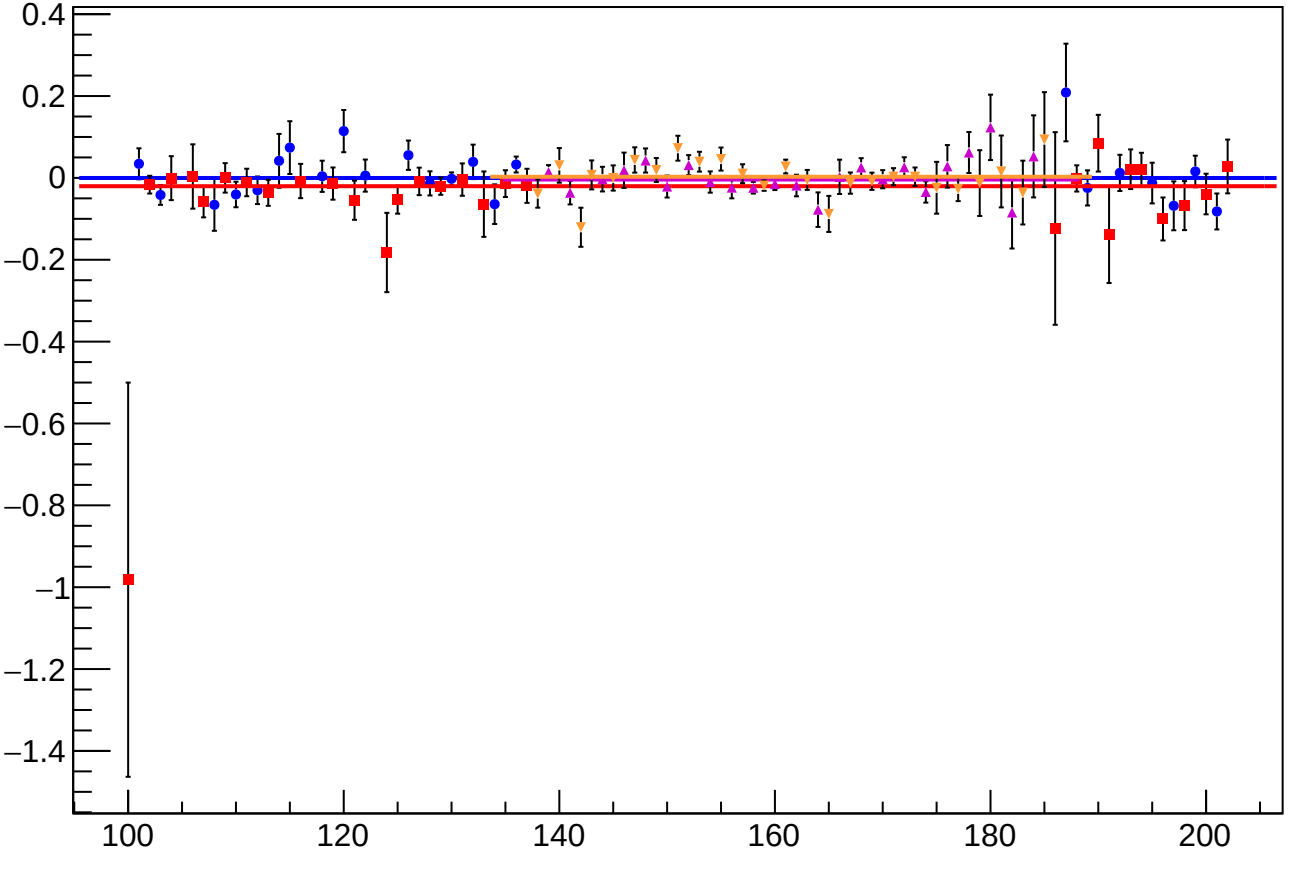
Right: 0.000+/-0.000 χ^2/NDF: 10386376.7/51

In: 0.000+/-0.000 χ^2/NDF:8289076.0/45

Out: 0.000+/-0.000 χ^2/NDF:9095670.3/53

All: 0.000+/-0.000 χ^2/NDF: 17454271.8/99

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 30.5/22

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

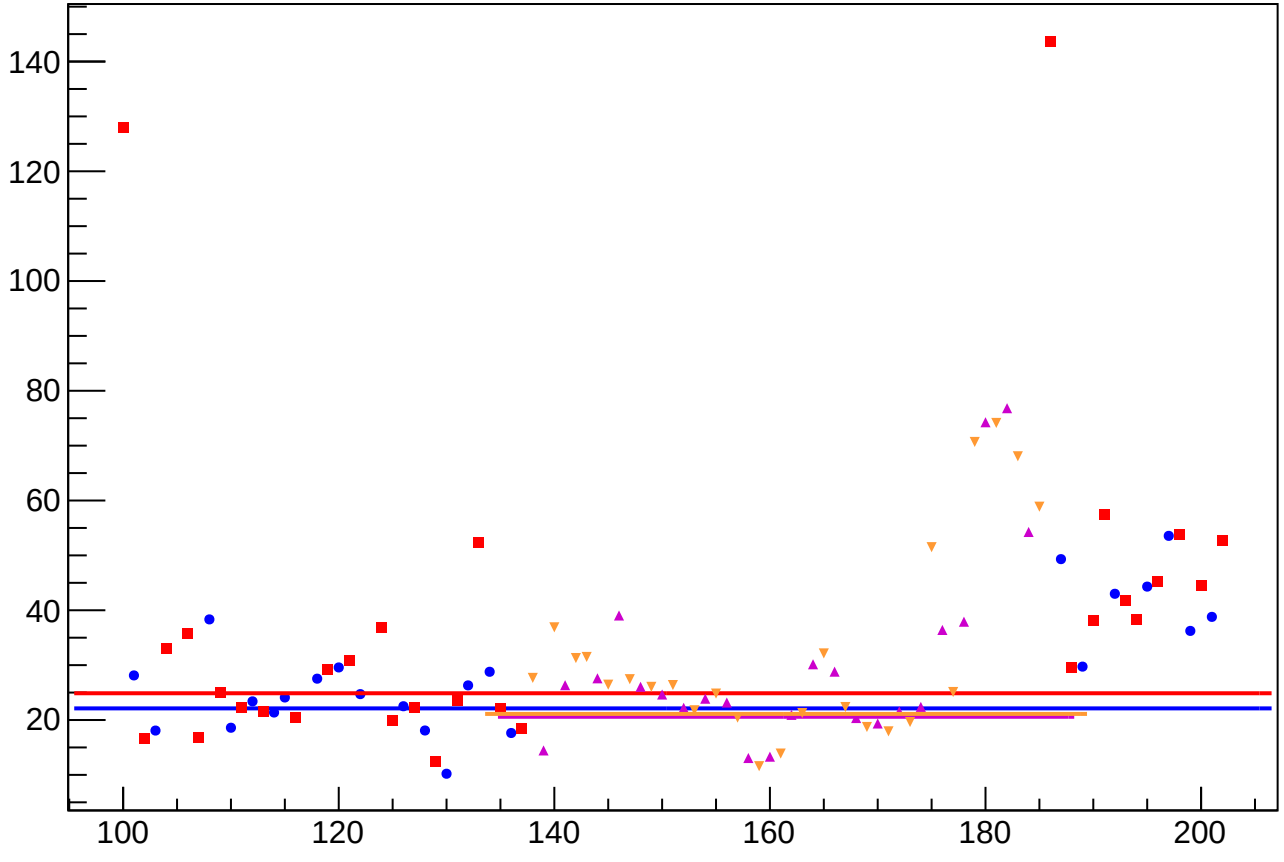
Right: -0.010+/-0.005 χ^2/NDF: 54.2/51

In: -0.003+/-0.004 χ^2/NDF:55.3/45

Out: -0.005+/-0.004 χ^2/NDF:58.9/53

All: -0.004+/-0.003 χ^2/NDF: 114.4/99

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.118+/-0.005 χ^2/NDF: 3850017.7/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.876+/-0.005 χ^2/NDF: 4424968.2/28

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

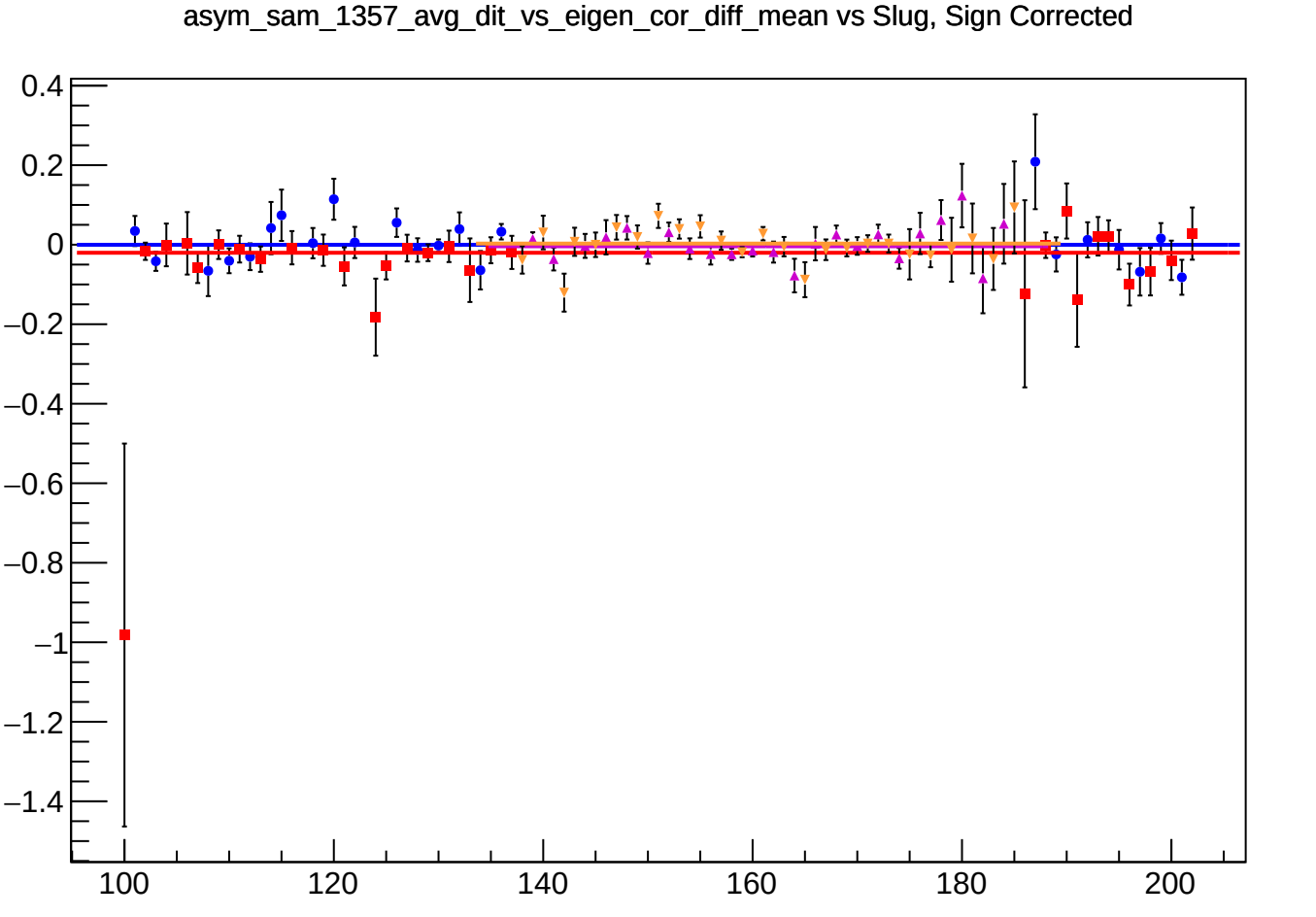
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 23.428+/-0.004 χ^2/NDF: 8415253.0/51

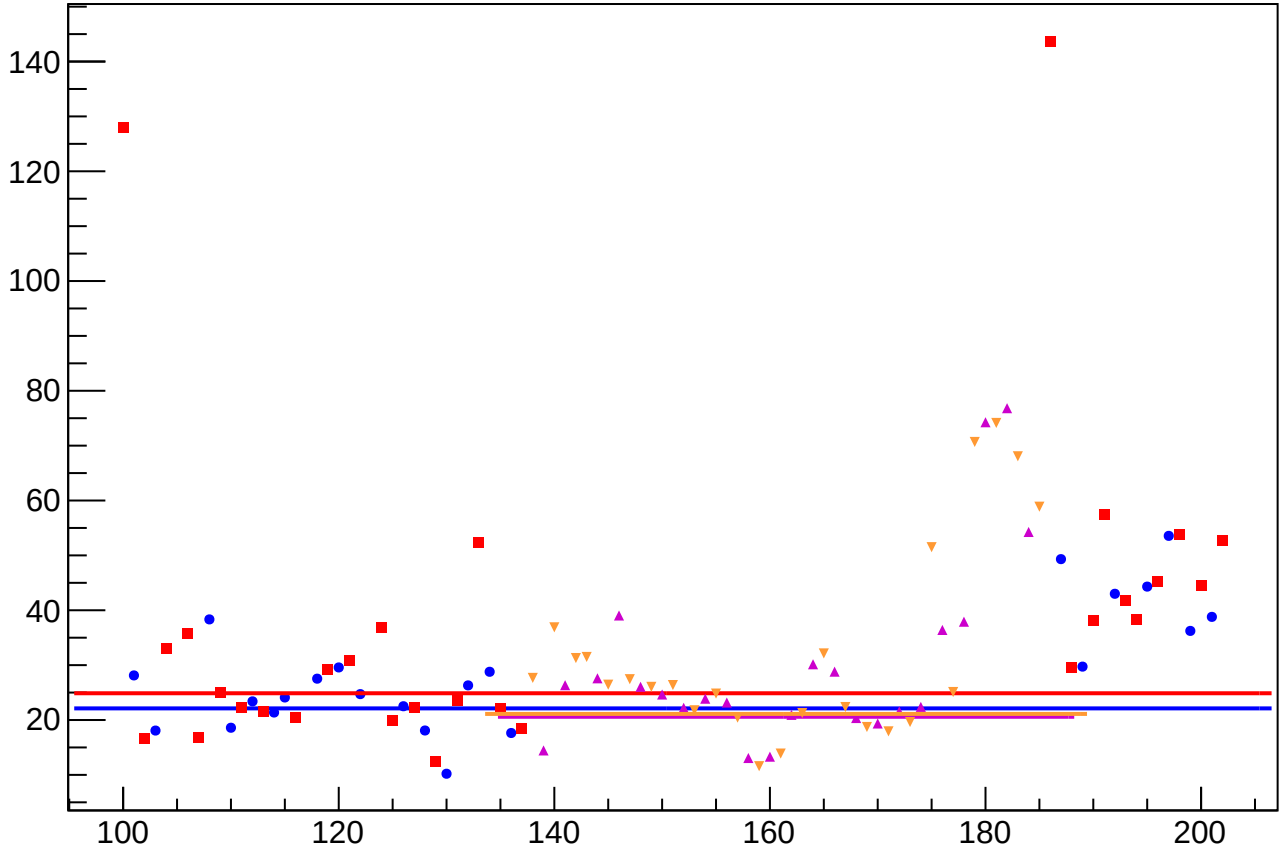
In: 21.148+/-0.003 χ^2/NDF:8507007.8/45

Out: 22.401+/-0.003 χ^2/NDF:10298937.1/53

All: 21.762+/-0.002 χ^2/NDF: 18887930.1/99


asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
120
140
160
180
200
Right In: -0.000+/-0.007 χ²/NDF: 30.5/22
Left Out: 0.003+/-0.005 χ²/NDF:32.8/24
Right Out: -0.020+/-0.008 χ²/NDF: 20.0/28
Left In: -0.004+/-0.005 χ²/NDF:24.6/22
Left: -0.001+/-0.004 χ²/NDF: 58.2/47
Right: -0.010+/-0.005 χ²/NDF: 54.2/51
In: -0.003+/-0.004 χ²/NDF:55.3/45
Out: -0.005+/-0.004 χ²/NDF:58.9/53
All: -0.004+/-0.003 χ²/NDF: 114.4/99

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.118+/-0.005 χ^2/NDF: 3850017.7/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.876+/-0.005 χ^2/NDF: 4424968.2/28

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

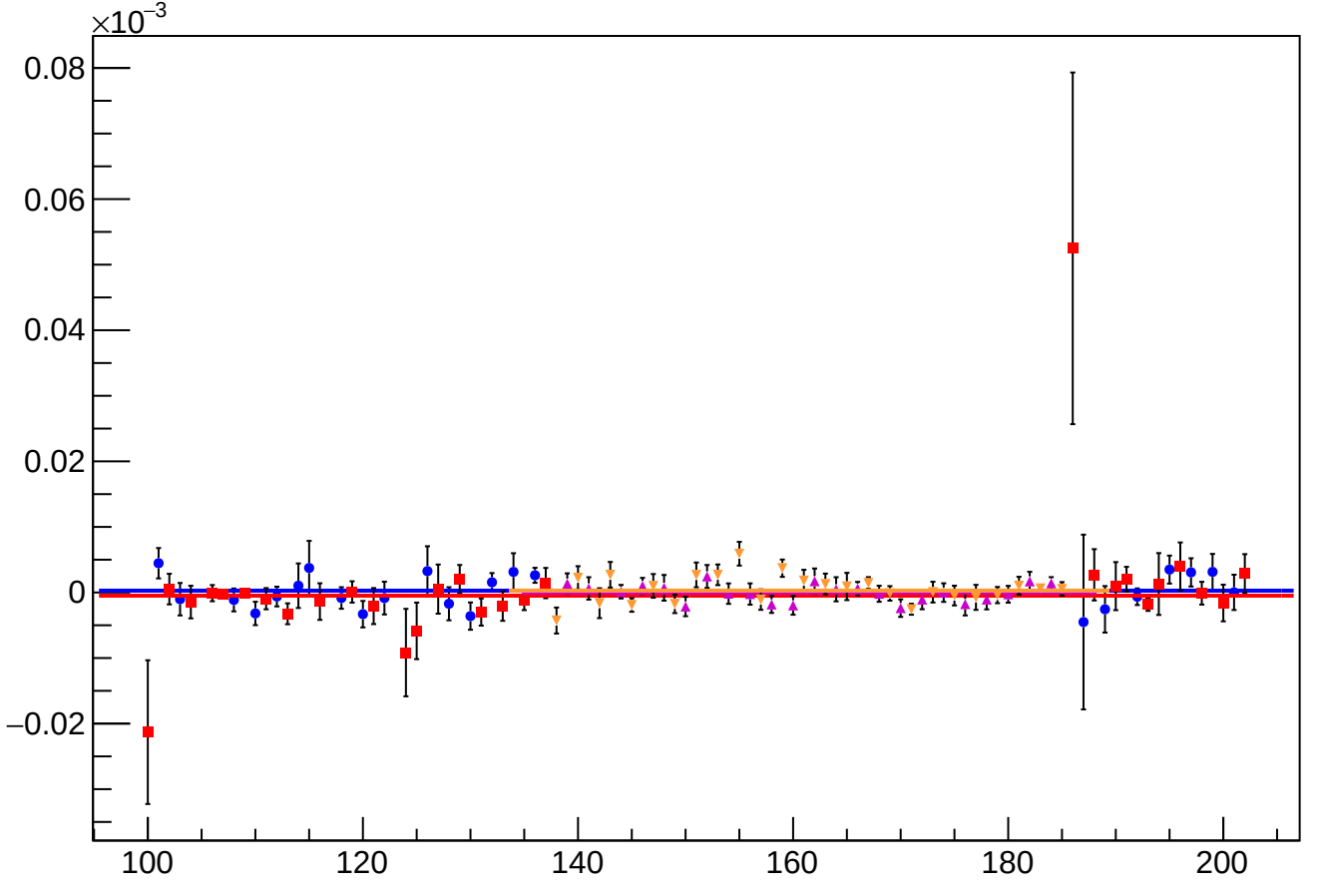
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 23.428+/-0.004 χ^2/NDF: 8415253.0/51

In: 21.148+/-0.003 χ^2/NDF:8507007.8/45

Out: 22.401+/-0.003 χ^2/NDF:10298937.1/53

All: 21.762+/-0.002 χ^2/NDF: 18887930.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

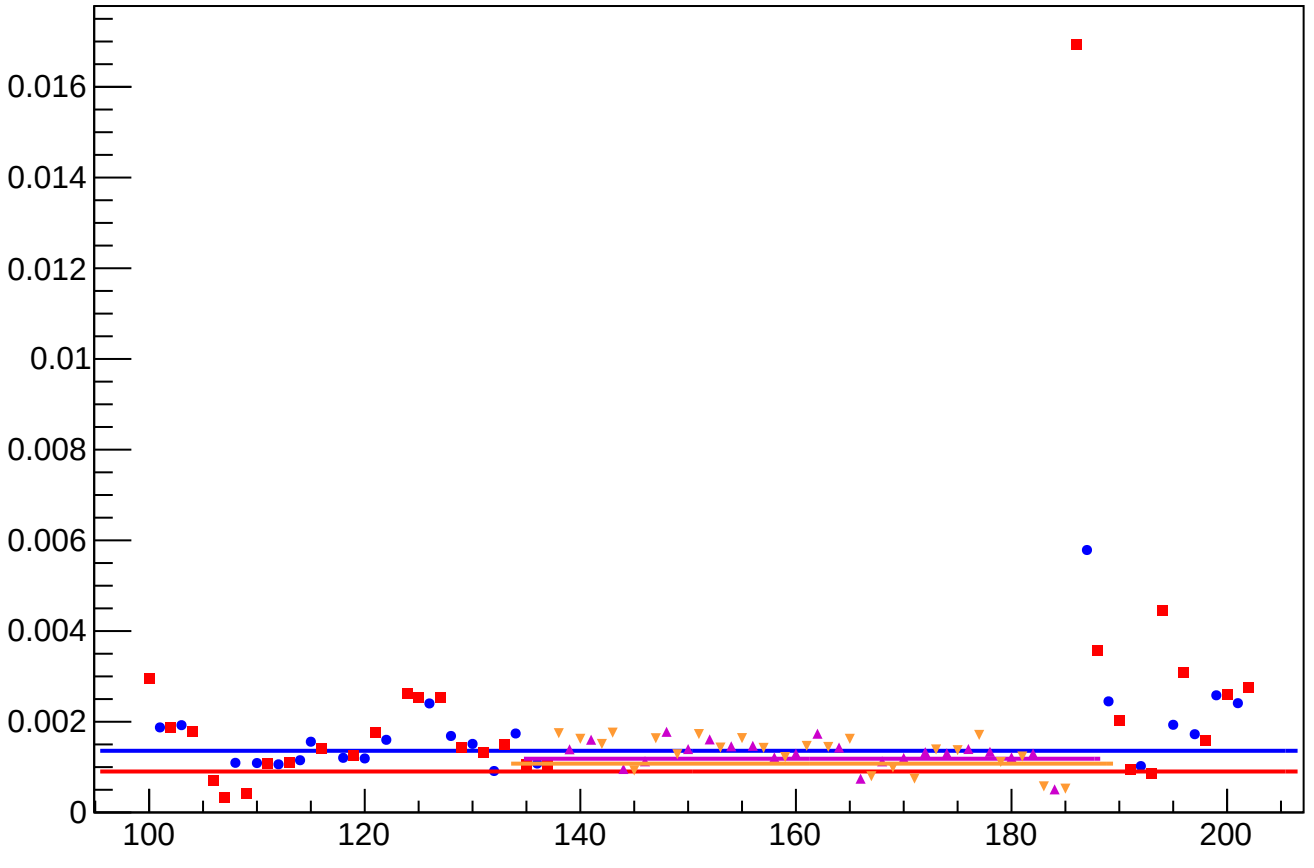
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 59.3/51

In: 0.000+/-0.000 χ^2/NDF:50.2/45

Out: -0.000+/-0.000 χ^2/NDF:83.4/53

All: 0.000+/-0.000 χ^2/NDF: 133.7/99



Right In: 0.001+/-0.000 χ^2/NDF: 2446099.9/22

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10545987.4/28

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

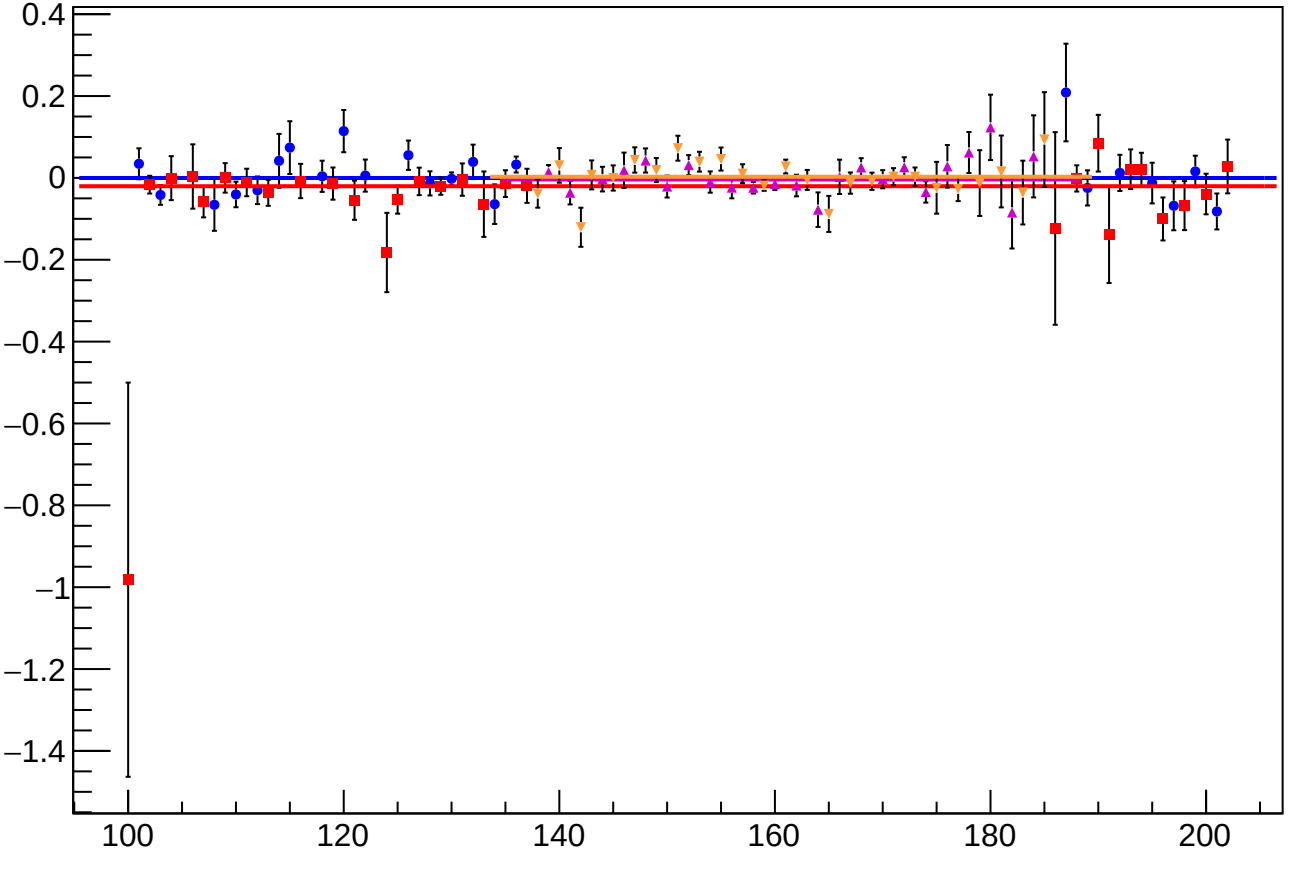
Right: 0.001+/-0.000 χ^2/NDF: 14536708.6/51

In: 0.001+/-0.000 χ^2/NDF:5136950.0/45

Out: 0.001+/-0.000 χ^2/NDF:15464812.1/53

All: 0.001+/-0.000 χ^2/NDF: 21782445.2/99

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 30.5/22

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

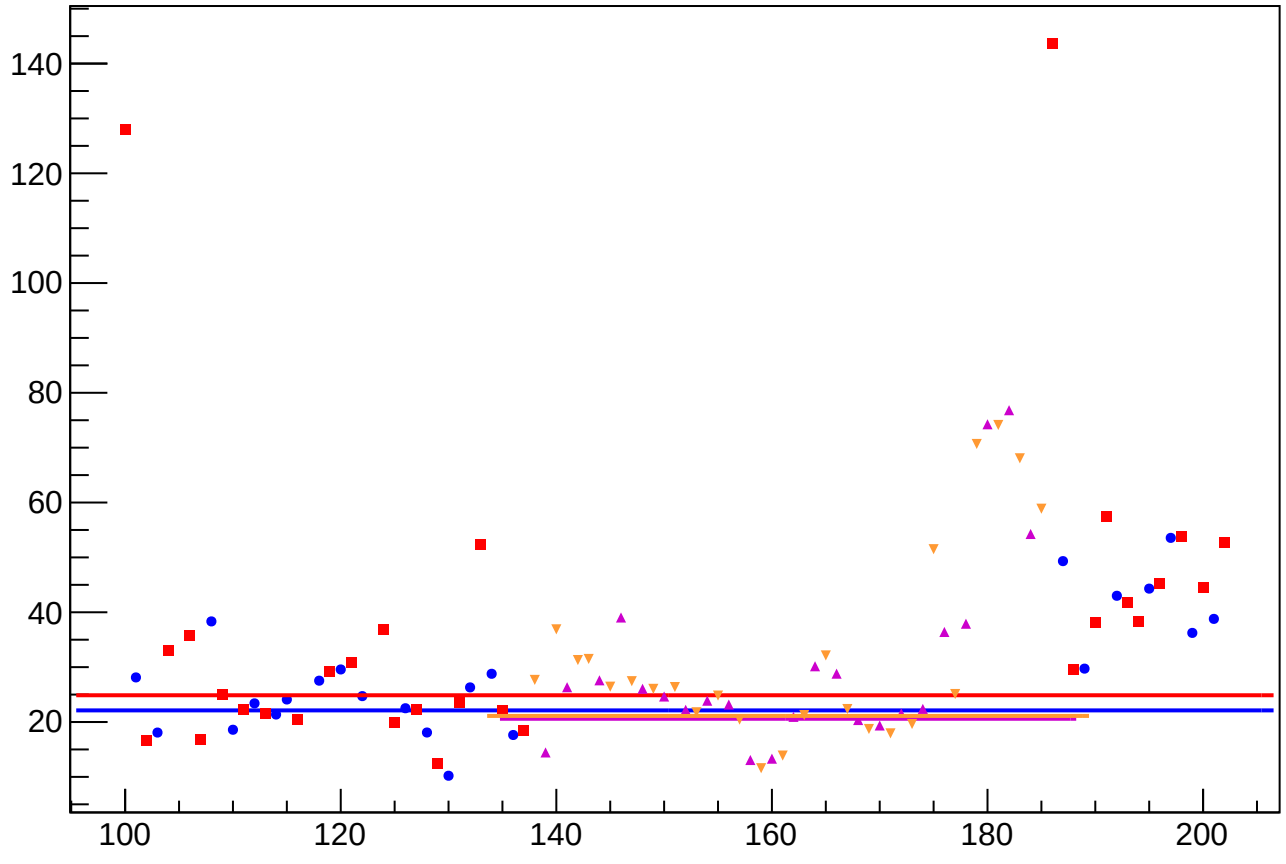
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.010+/-0.005 χ^2/NDF: 54.2/51

In: -0.003+/-0.004 χ^2/NDF:55.3/45

Out: -0.005+/-0.004 χ^2/NDF:58.9/53

All: -0.004+/-0.003 χ^2/NDF: 114.4/99



Right In: 22.118+/-0.005 χ^2/NDF: 3849809.6/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.876+/-0.005 χ^2/NDF: 4424953.0/28

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

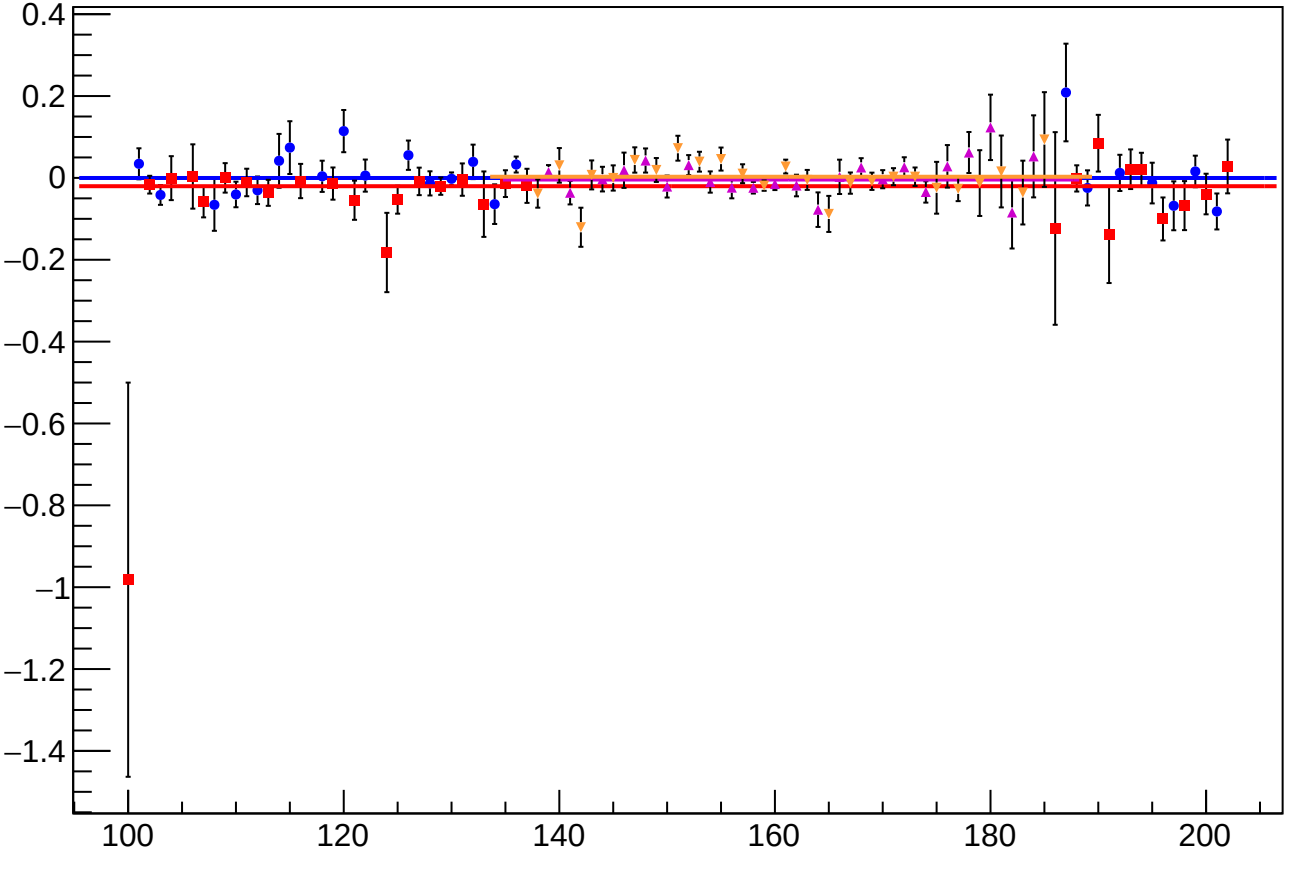
Right: 23.428+/-0.004 χ^2/NDF: 8415006.1/51

In: 21.148+/-0.003 χ^2/NDF:8506817.5/45

Out: 22.401+/-0.003 χ^2/NDF:10299085.4/53

All: 21.762+/-0.002 χ^2/NDF: 18887861.5/99

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 30.5/22

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

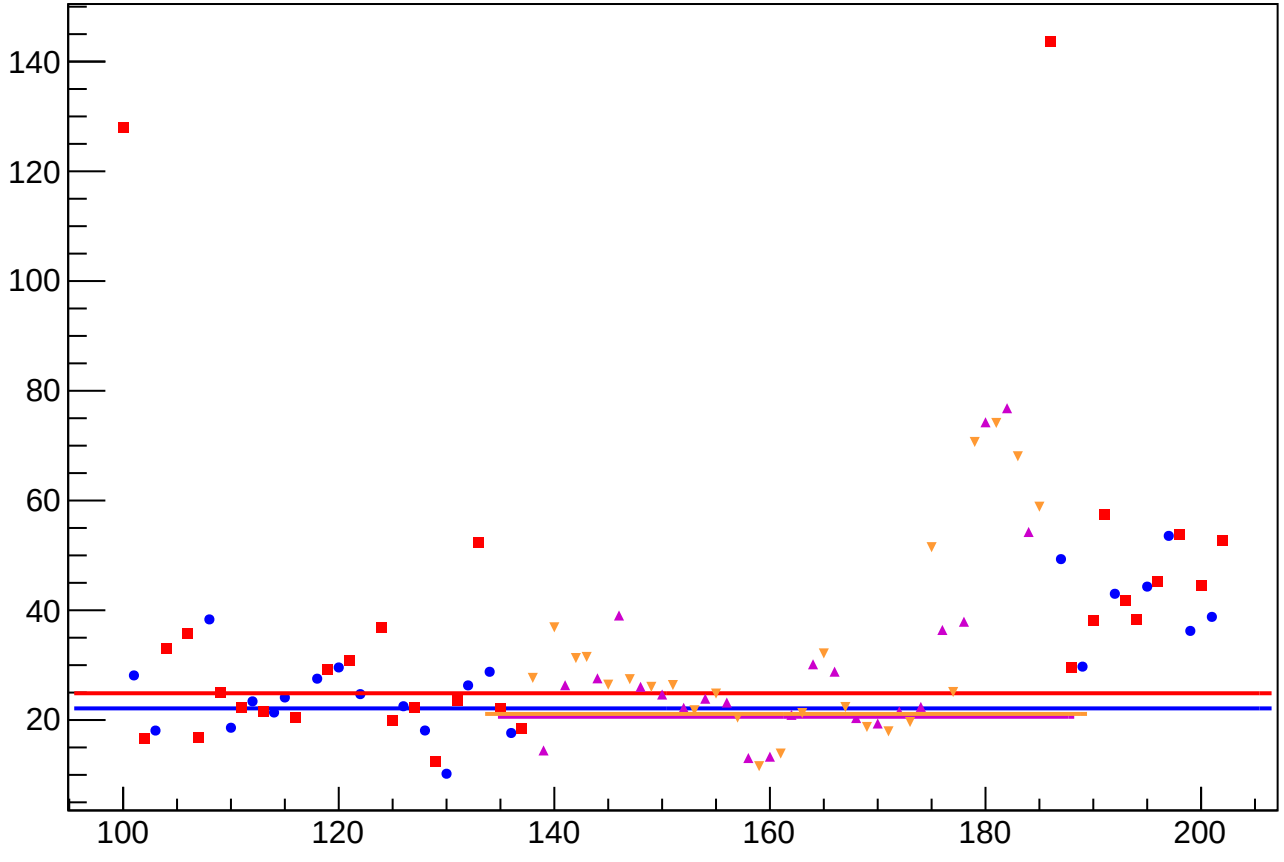
Right: -0.010+/-0.005 χ^2/NDF: 54.2/51

In: -0.003+/-0.004 χ^2/NDF:55.3/45

Out: -0.005+/-0.004 χ^2/NDF:58.9/53

All: -0.004+/-0.003 χ^2/NDF: 114.4/99

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.118+/-0.005 χ^2/NDF: 3849809.6/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.876+/-0.005 χ^2/NDF: 4424953.0/28

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

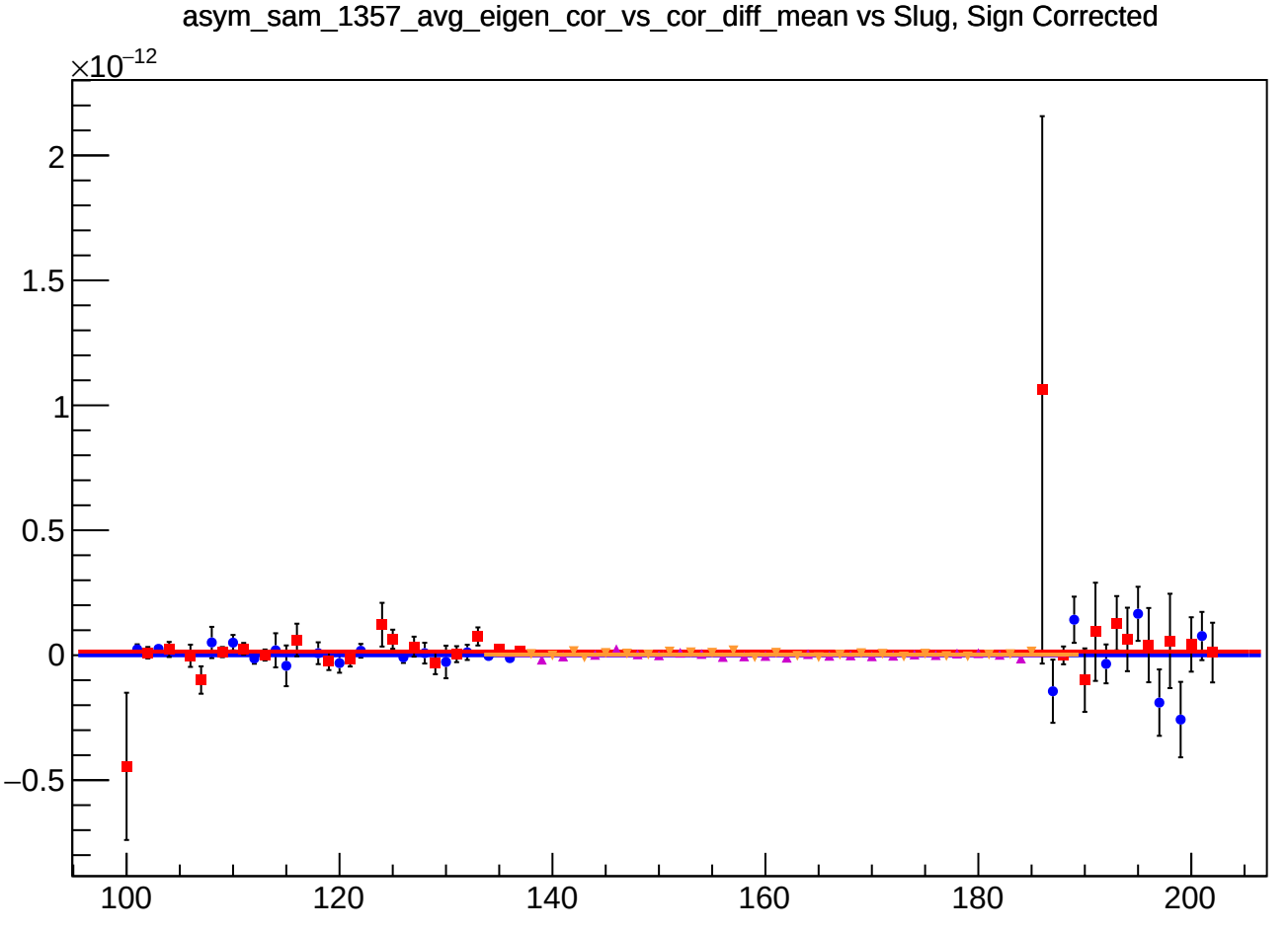
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 23.428+/-0.004 χ^2/NDF: 8415006.1/51

In: 21.148+/-0.003 χ^2/NDF:8506817.5/45

Out: 22.401+/-0.003 χ^2/NDF:10299085.4/53

All: 21.762+/-0.002 χ^2/NDF: 18887861.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/28

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

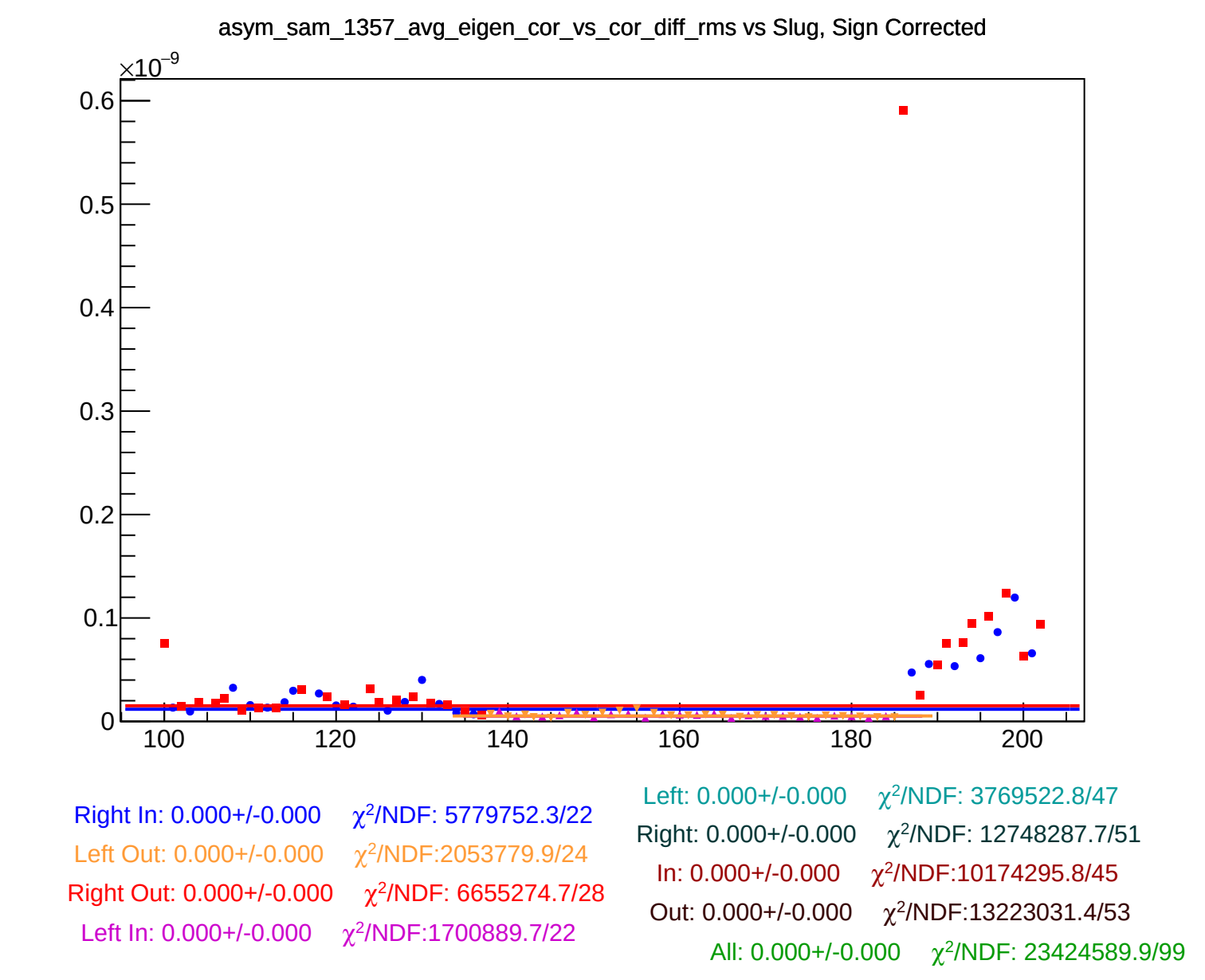
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

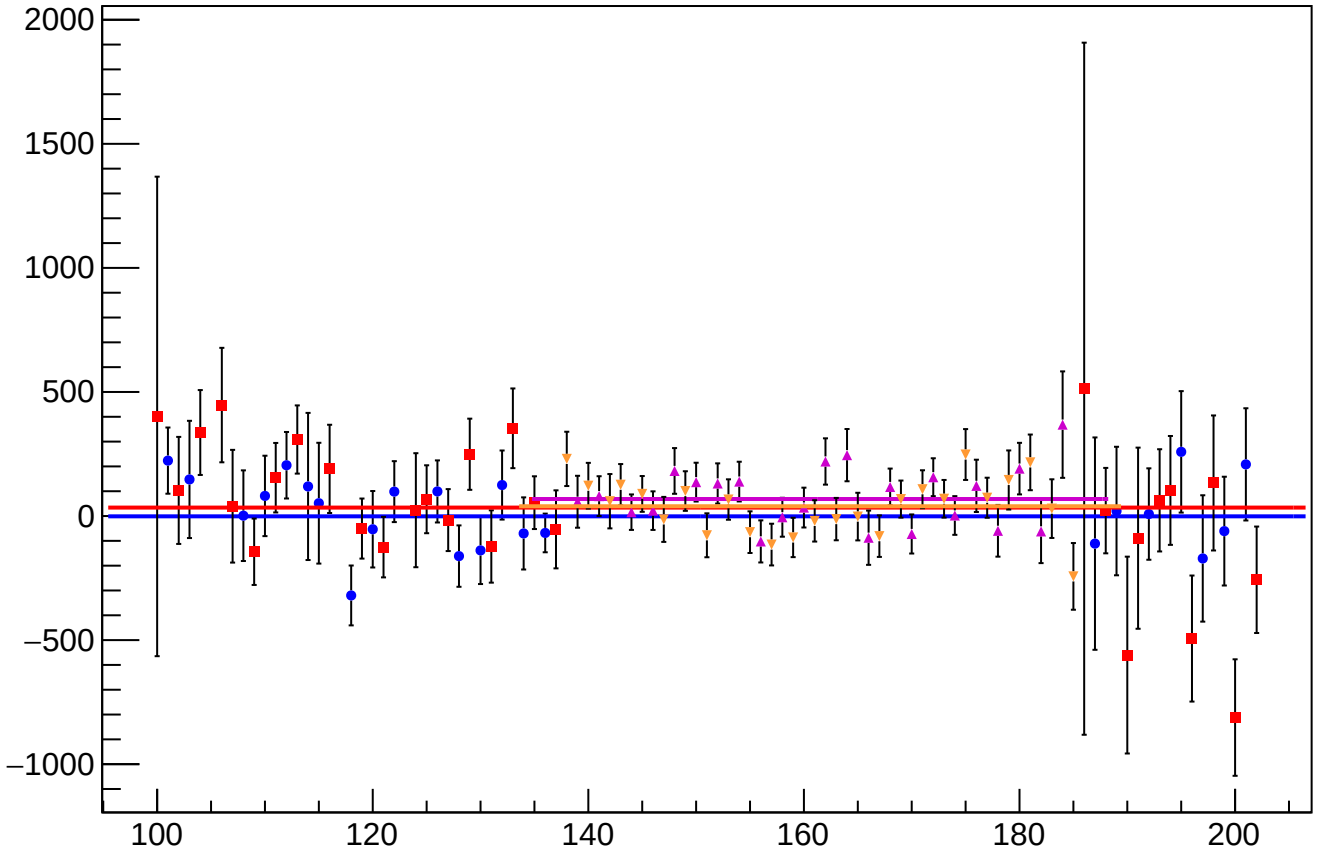
Right: 0.000+/-0.000 χ^2/NDF: 46.4/51

In: 0.000+/-0.000 χ^2/NDF:43.7/45

Out: 0.000+/-0.000 χ^2/NDF:45.1/53

All: 0.000+/-0.000 χ^2/NDF: 90.3/99


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5779752.3/22
Left Out: 0.000+/-0.000 χ²/NDF:2053779.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6655274.7/28
Left In: 0.000+/-0.000 χ²/NDF:1700889.7/22
Left: 0.000+/-0.000 χ²/NDF: 3769522.8/47
Right: 0.000+/-0.000 χ²/NDF: 12748287.7/51
In: 0.000+/-0.000 χ²/NDF:10174295.8/45
Out: 0.000+/-0.000 χ²/NDF:13223031.4/53
All: 0.000+/-0.000 χ²/NDF: 23424589.9/99



Right In: -1.189+/-32.058 χ^2/NDF: 21.5/22

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 34.073+/-31.892 χ^2/NDF: 45.9/28

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

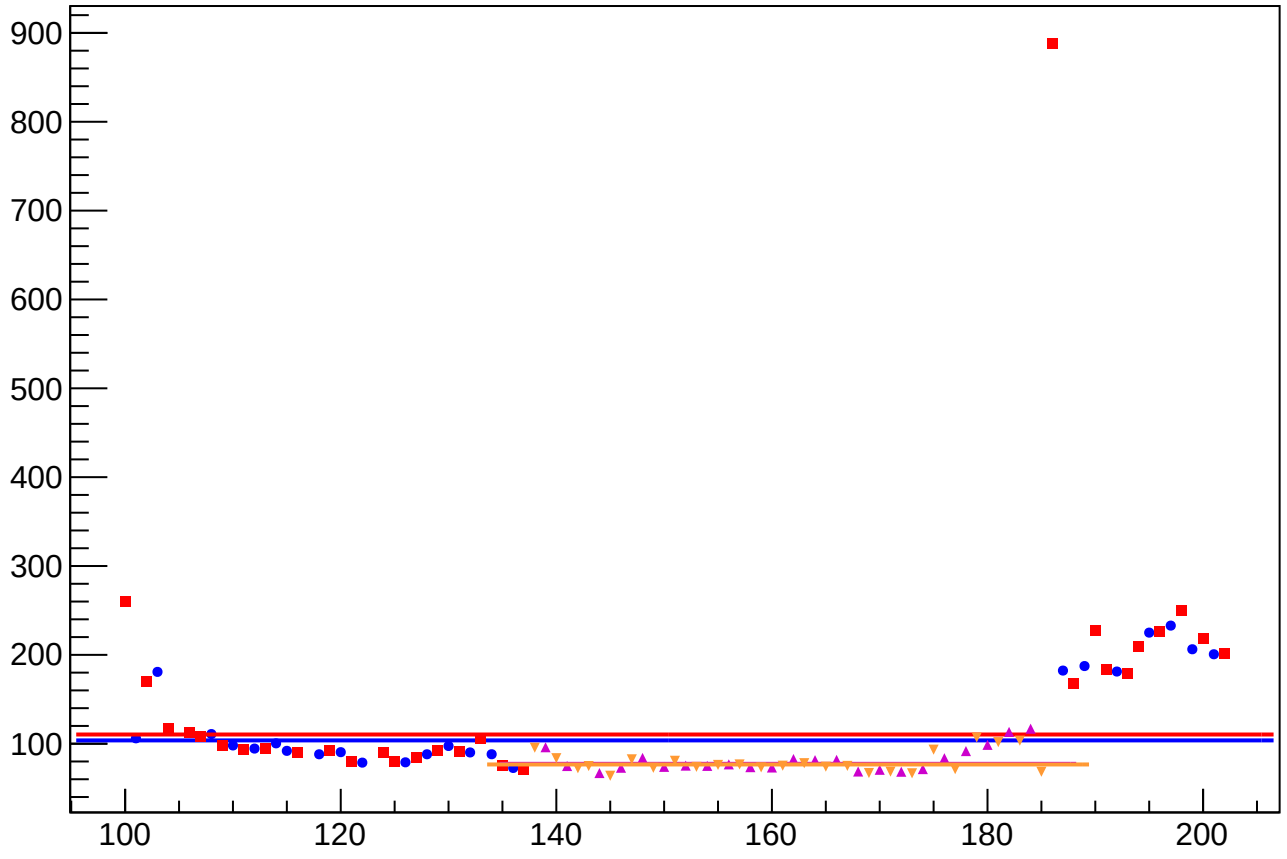
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 16.534+/-22.610 χ^2/NDF: 68.0/51

In: 51.439+/-15.904 χ^2/NDF:54.1/45

Out: 38.208+/-15.454 χ^2/NDF:77.8/53

All: 44.634+/-11.083 χ^2/NDF: 132.3/99



Right In: 103.723+/-0.023 χ^2/NDF: 3280127.6/22

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 110.356+/-0.023 χ^2/NDF: 4549272.0/28

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

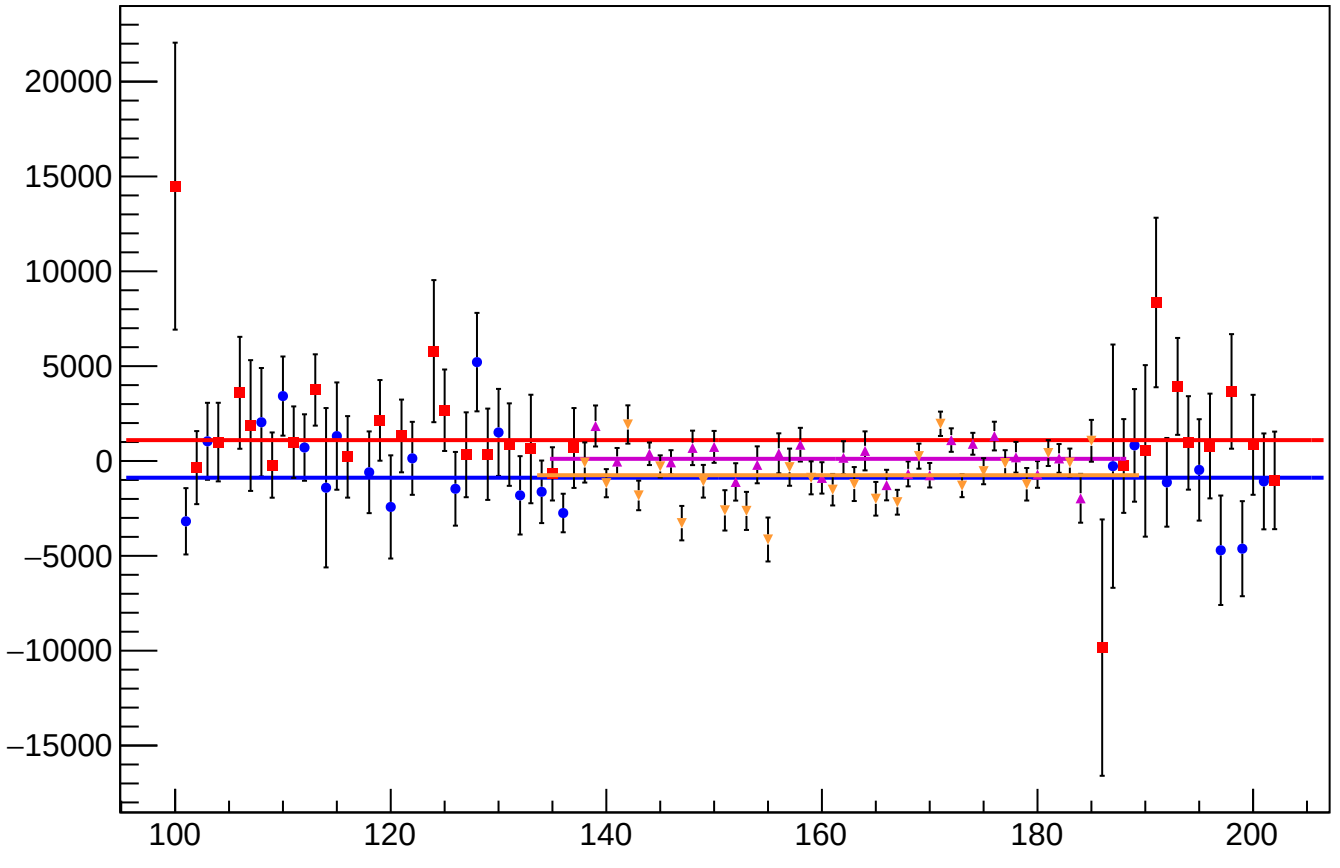
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 107.057+/-0.016 χ^2/NDF: 7872431.7/51

In: 83.840+/-0.011 χ^2/NDF:4891098.2/45

Out: 84.561+/-0.011 χ^2/NDF:6913722.4/53

All: 84.211+/-0.008 χ^2/NDF: 11806939.9/99



Right In: -881.904+/-441.853 χ^2/NDF: 24.8/22

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1099.933+/-438.628 χ^2/NDF: 19.7/28

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

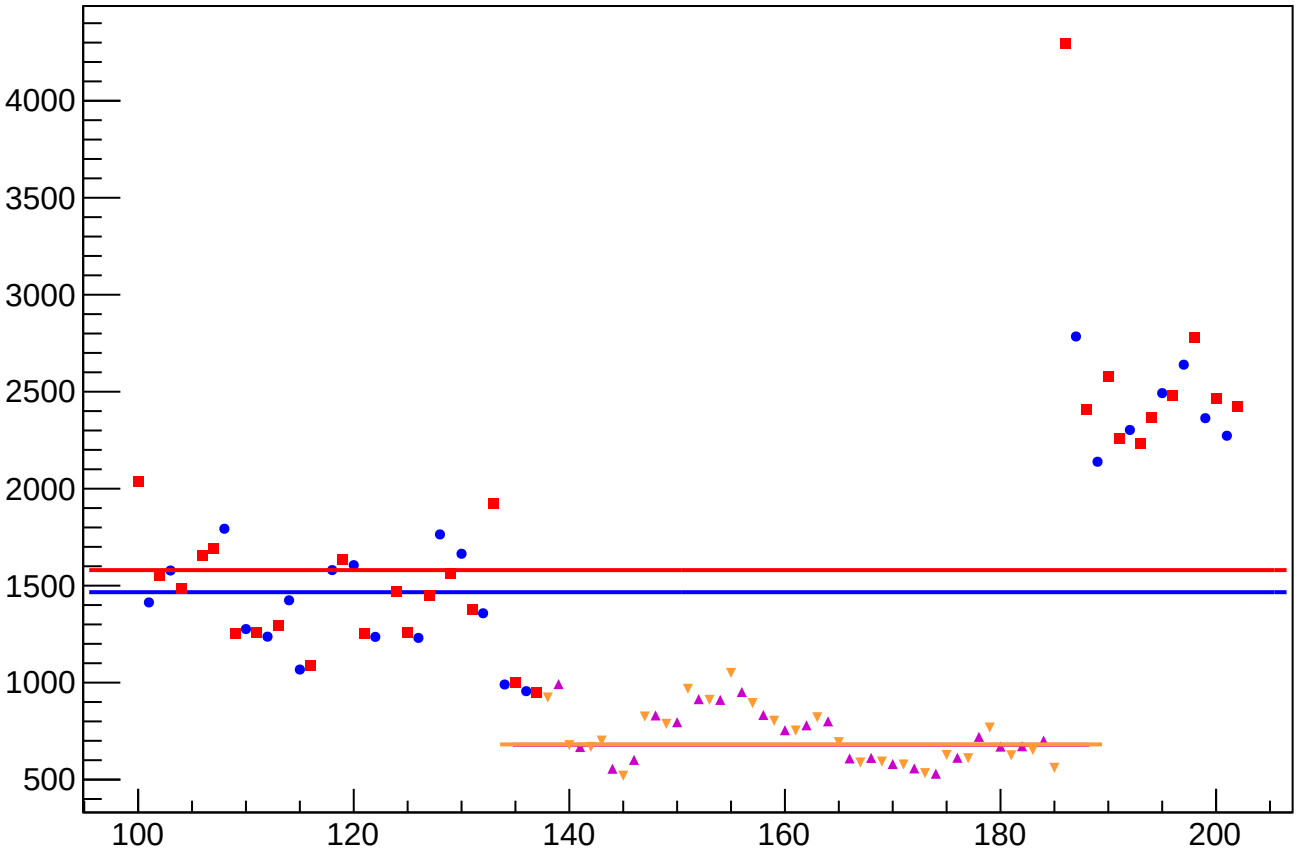
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 116.273+/-311.291 χ^2/NDF: 54.6/51

In: -3.942+/-151.941 χ^2/NDF:54.3/45

Out: -537.021+/-148.717 χ^2/NDF:105.4/53

All: -276.197+/-106.281 χ^2/NDF: 166.0/99



Right In: 1466.257+/-0.312 χ^2/NDF: 2441158.9/22

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1580.093+/-0.310 χ^2/NDF: 2970675.6/28

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

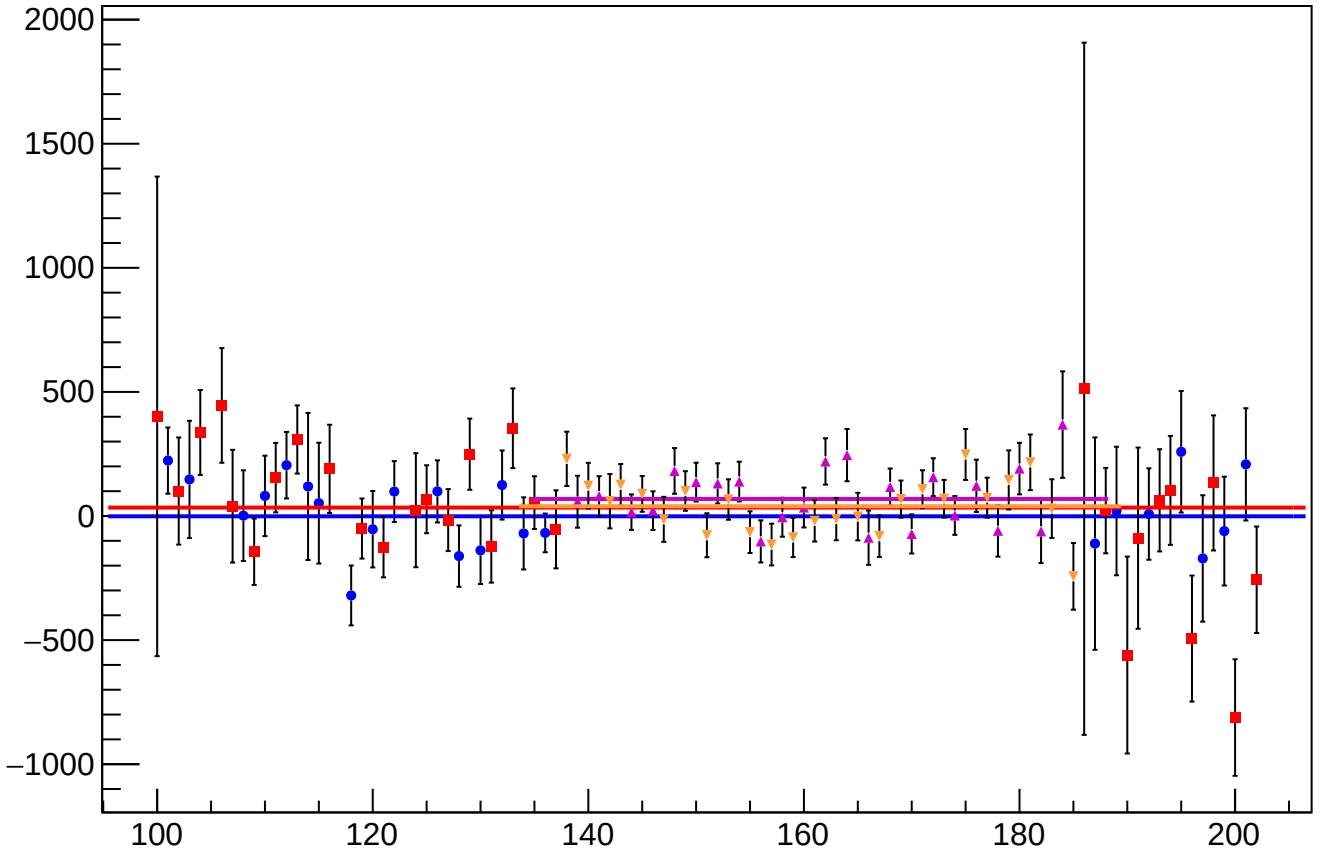
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1523.592+/-0.220 χ^2/NDF: 5478696.0/51

In: 772.457+/-0.107 χ^2/NDF:9218819.8/45

Out: 784.734+/-0.105 χ^2/NDF:11735072.0/53

All: 778.727+/-0.075 χ^2/NDF: 20960560.5/99



Right In: -1.199+/-32.058 χ^2/NDF: 21.5/22

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 33.951+/-31.894 χ^2/NDF: 45.8/28

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

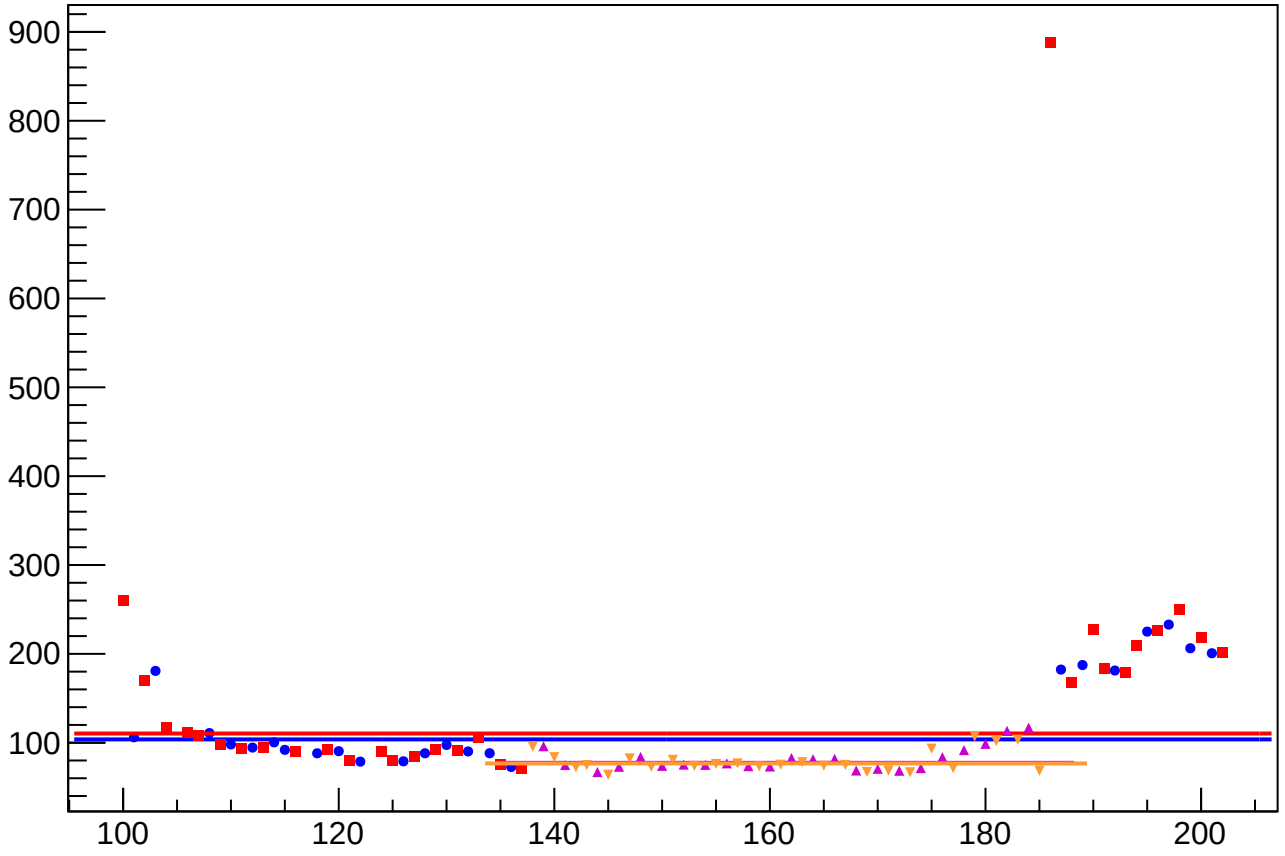
Right: 16.467+/-22.610 χ^2/NDF: 67.9/51

In: 51.436+/-15.904 χ^2/NDF:54.1/45

Out: 38.185+/-15.454 χ^2/NDF:77.8/53

All: 44.621+/-11.083 χ^2/NDF: 132.3/99

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 103.723+/-0.023 χ^2/NDF: 3280131.2/22

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 110.331+/-0.023 χ^2/NDF: 4549348.2/28

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

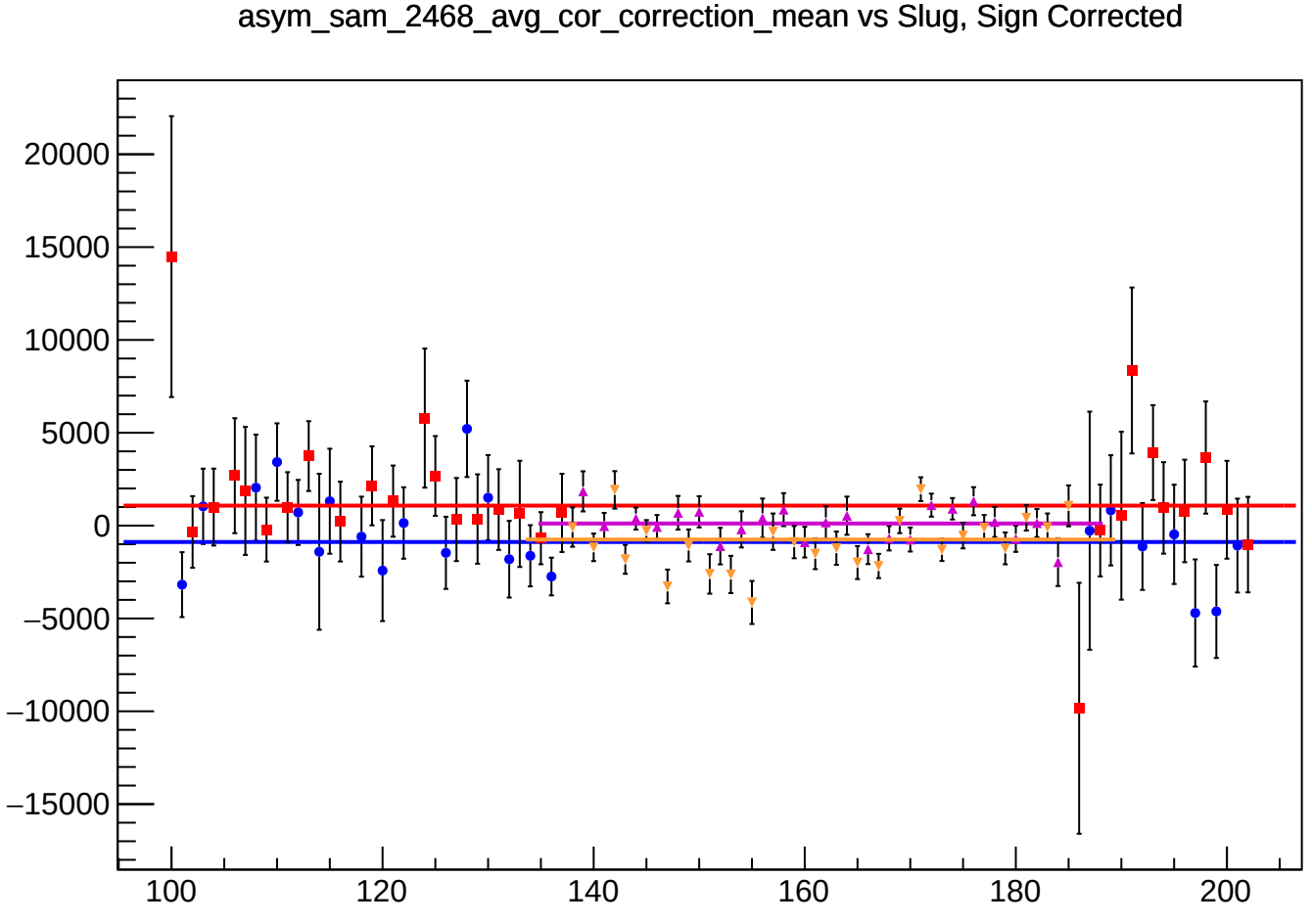
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 107.044+/-0.016 χ^2/NDF: 7872187.1/51

In: 83.840+/-0.011 χ^2/NDF:4891101.8/45

Out: 84.555+/-0.011 χ^2/NDF:6911153.4/53

All: 84.208+/-0.008 χ^2/NDF: 11804337.0/99



Right In: -881.873+/-441.854 χ^2/NDF: 24.8/22

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1077.102+/-439.088 χ^2/NDF: 19.2/28

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

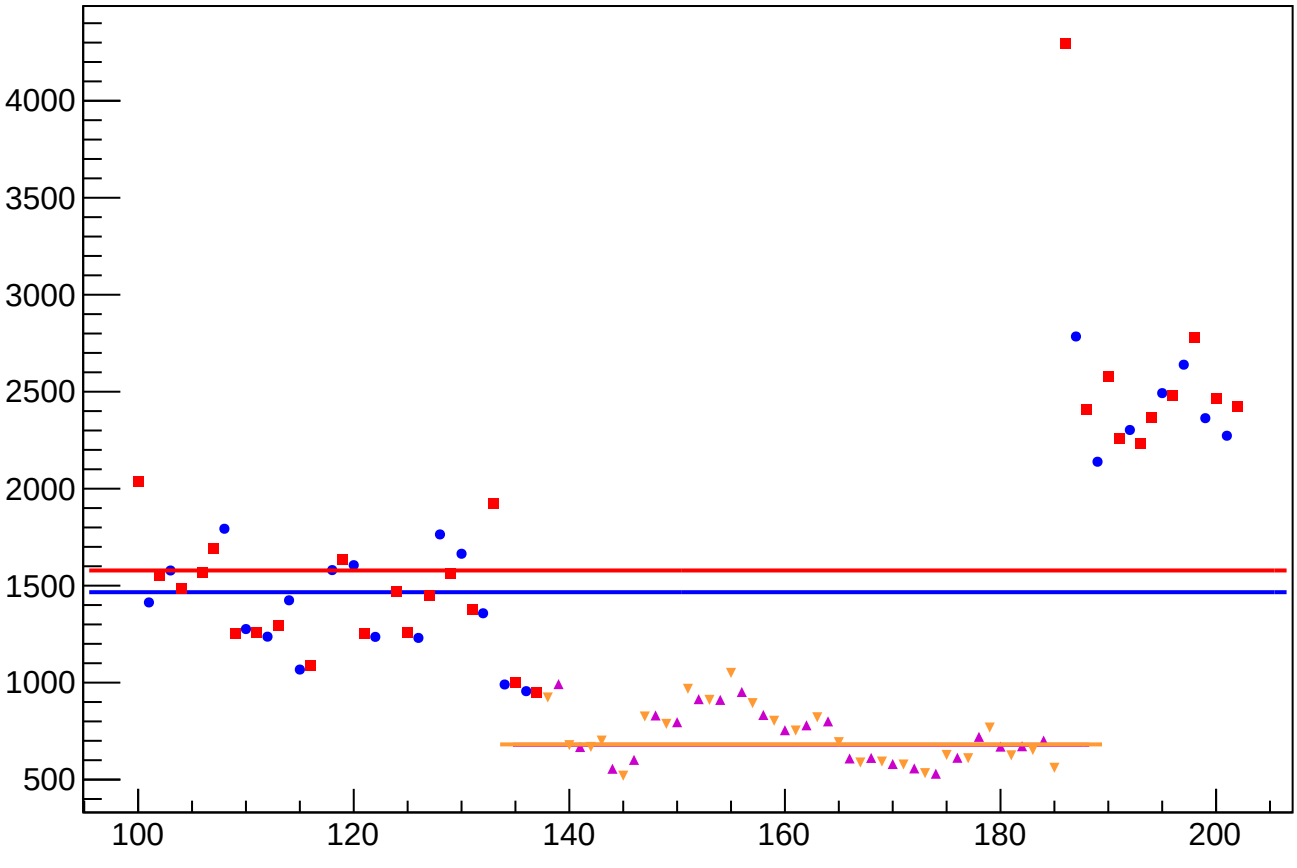
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

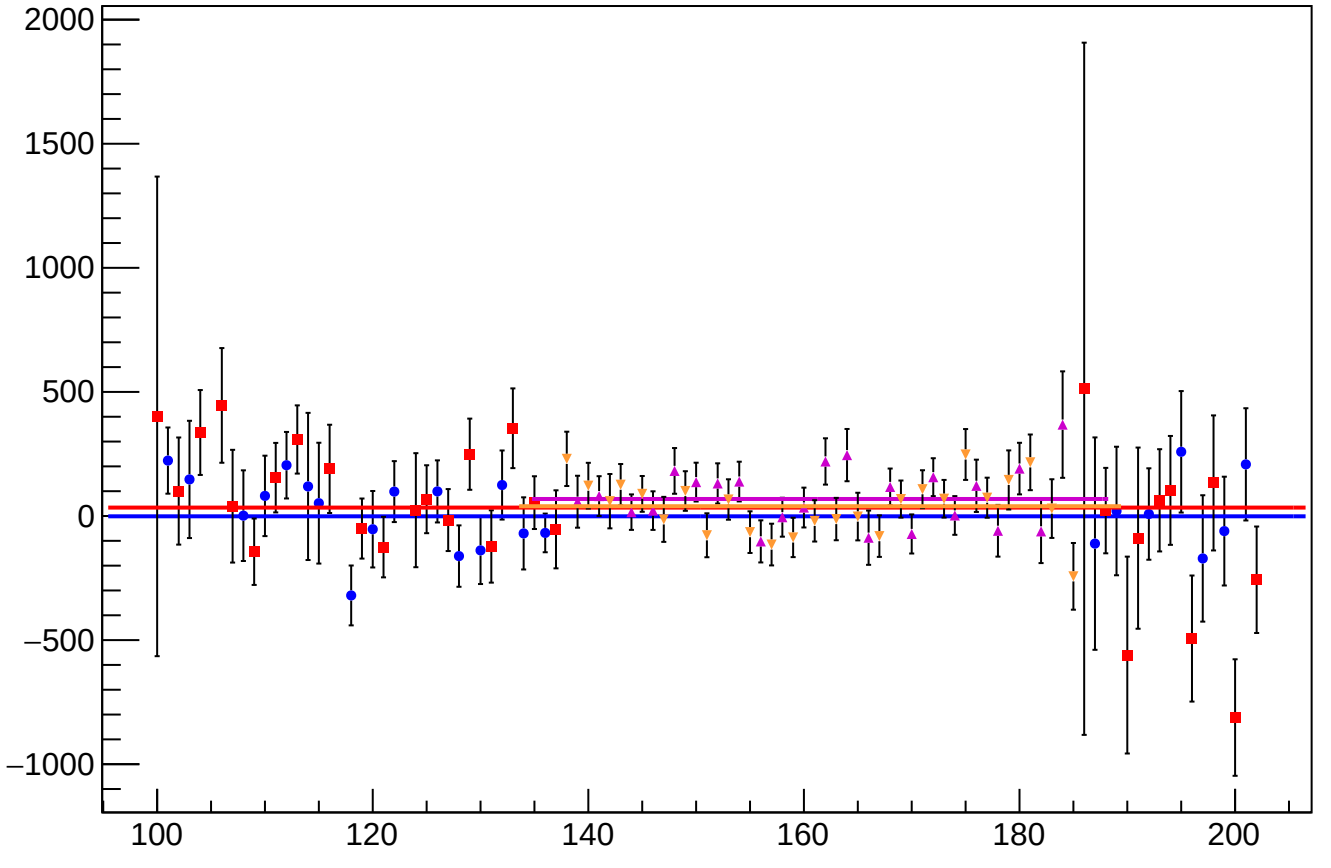
Right: 103.765+/-311.455 χ^2/NDF: 53.9/51

In: -3.937+/-151.941 χ^2/NDF:54.3/45

Out: -540.028+/-148.735 χ^2/NDF:104.5/53

All: -277.698+/-106.287 χ^2/NDF: 165.2/99


asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1466.261+/-0.312 χ²/NDF: 2441174.2/22
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1578.258+/-0.310 χ²/NDF: 2969344.3/28
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.2/47
Right: 1522.611+/-0.220 χ²/NDF: 5475169.3/51
In: 772.457+/-0.107 χ²/NDF:9218854.4/45
Out: 784.331+/-0.105 χ²/NDF:11689698.5/53
All: 778.521+/-0.075 χ²/NDF: 20914790.7/99



Right In: -1.199+/-32.058 χ^2/NDF: 21.5/22

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 33.951+/-31.894 χ^2/NDF: 45.8/28

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

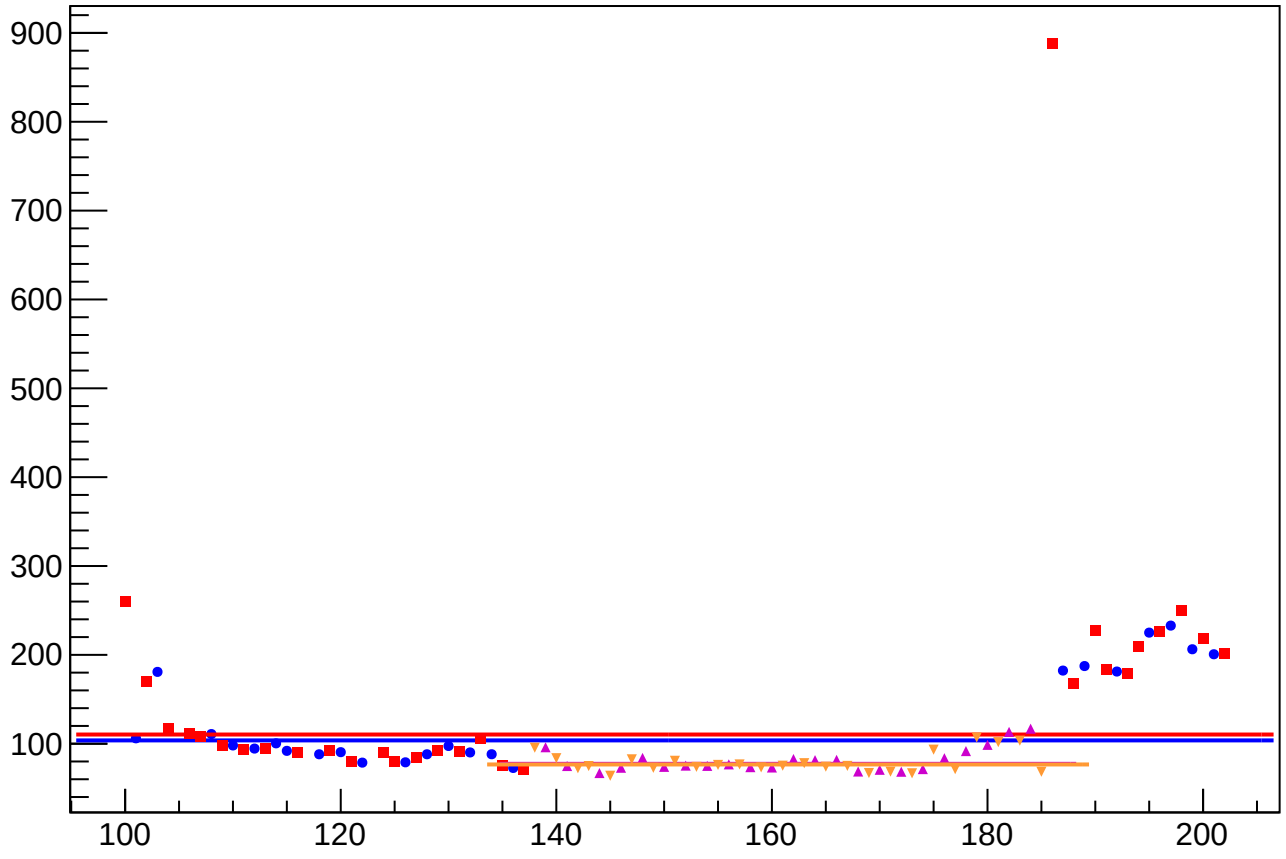
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 16.467+/-22.610 χ^2/NDF: 67.9/51

In: 51.436+/-15.904 χ^2/NDF:54.1/45

Out: 38.185+/-15.454 χ^2/NDF:77.8/53

All: 44.621+/-11.083 χ^2/NDF: 132.3/99



Right In: 103.723+/-0.023 χ^2/NDF: 3280131.2/22

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 110.331+/-0.023 χ^2/NDF: 4549348.2/28

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

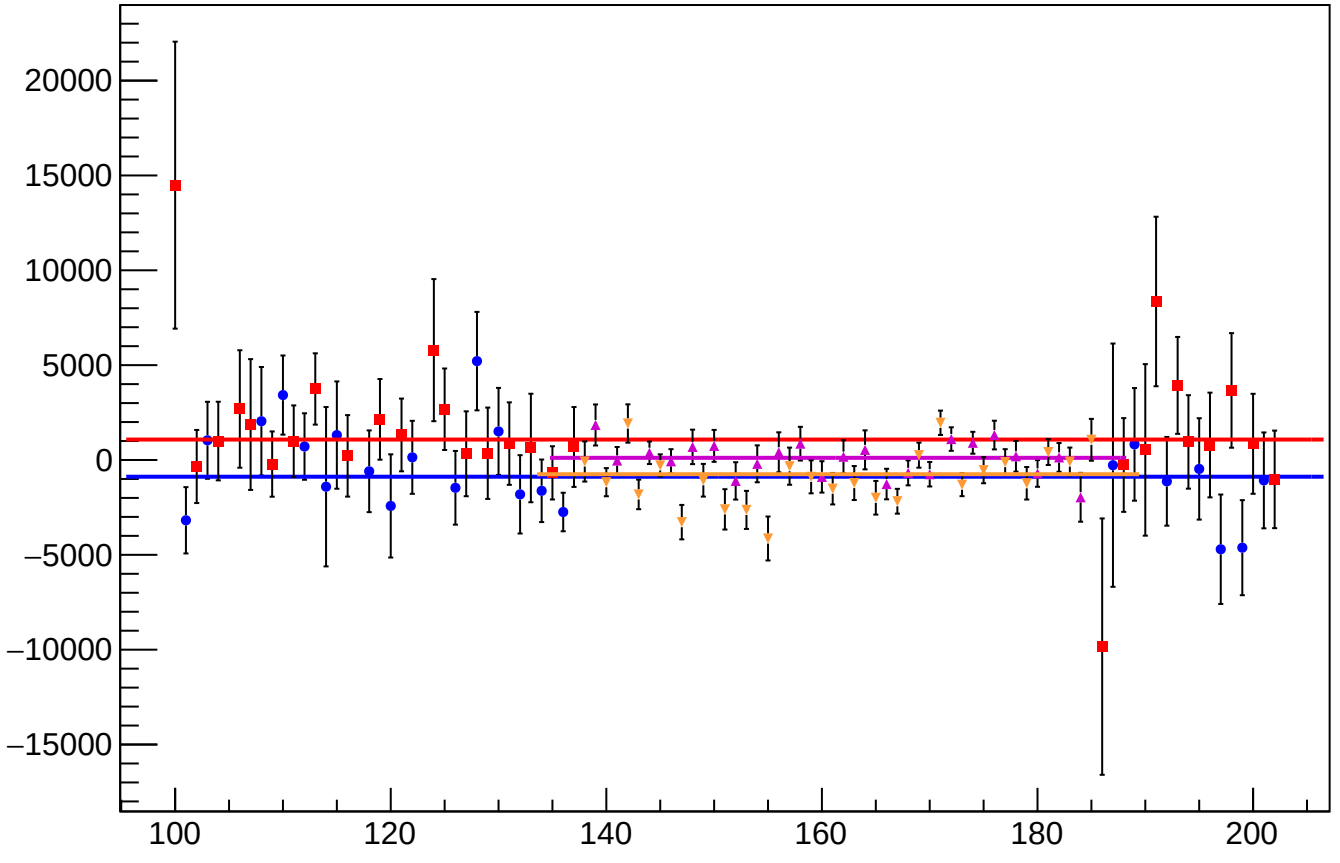
Right: 107.044+/-0.016 χ^2/NDF: 7872187.1/51

In: 83.840+/-0.011 χ^2/NDF:4891101.8/45

Out: 84.555+/-0.011 χ^2/NDF:6911153.4/53

All: 84.208+/-0.008 χ^2/NDF: 11804337.0/99

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -881.873+/-441.854 χ^2/NDF: 24.8/22

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1077.102+/-439.088 χ^2/NDF: 19.2/28

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

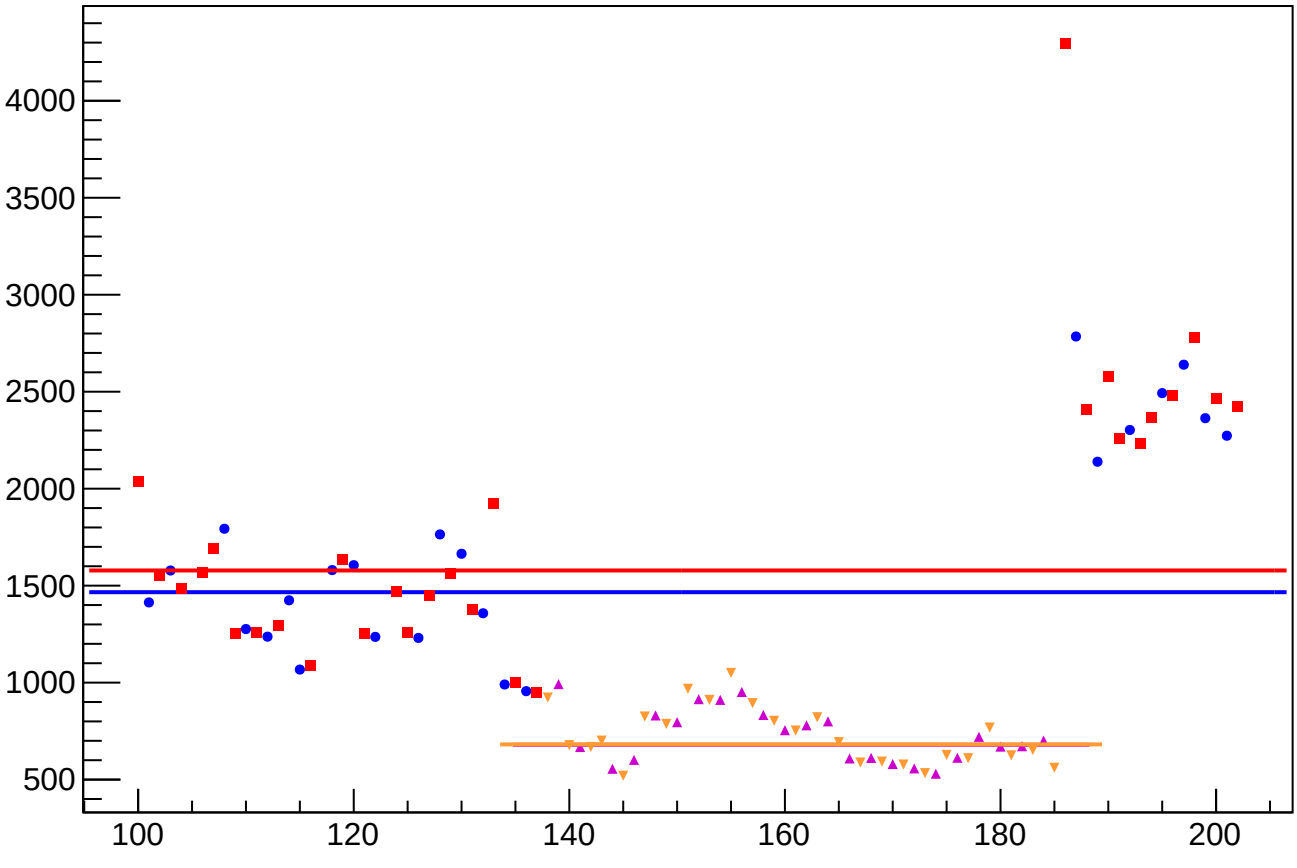
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 103.765+/-311.455 χ^2/NDF: 53.9/51

In: -3.937+/-151.941 χ^2/NDF:54.3/45

Out: -540.028+/-148.735 χ^2/NDF:104.5/53

All: -277.698+/-106.287 χ^2/NDF: 165.2/99



Right In: 1466.261+/-0.312 χ^2/NDF: 2441174.2/22

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1578.258+/-0.310 χ^2/NDF: 2969344.3/28

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

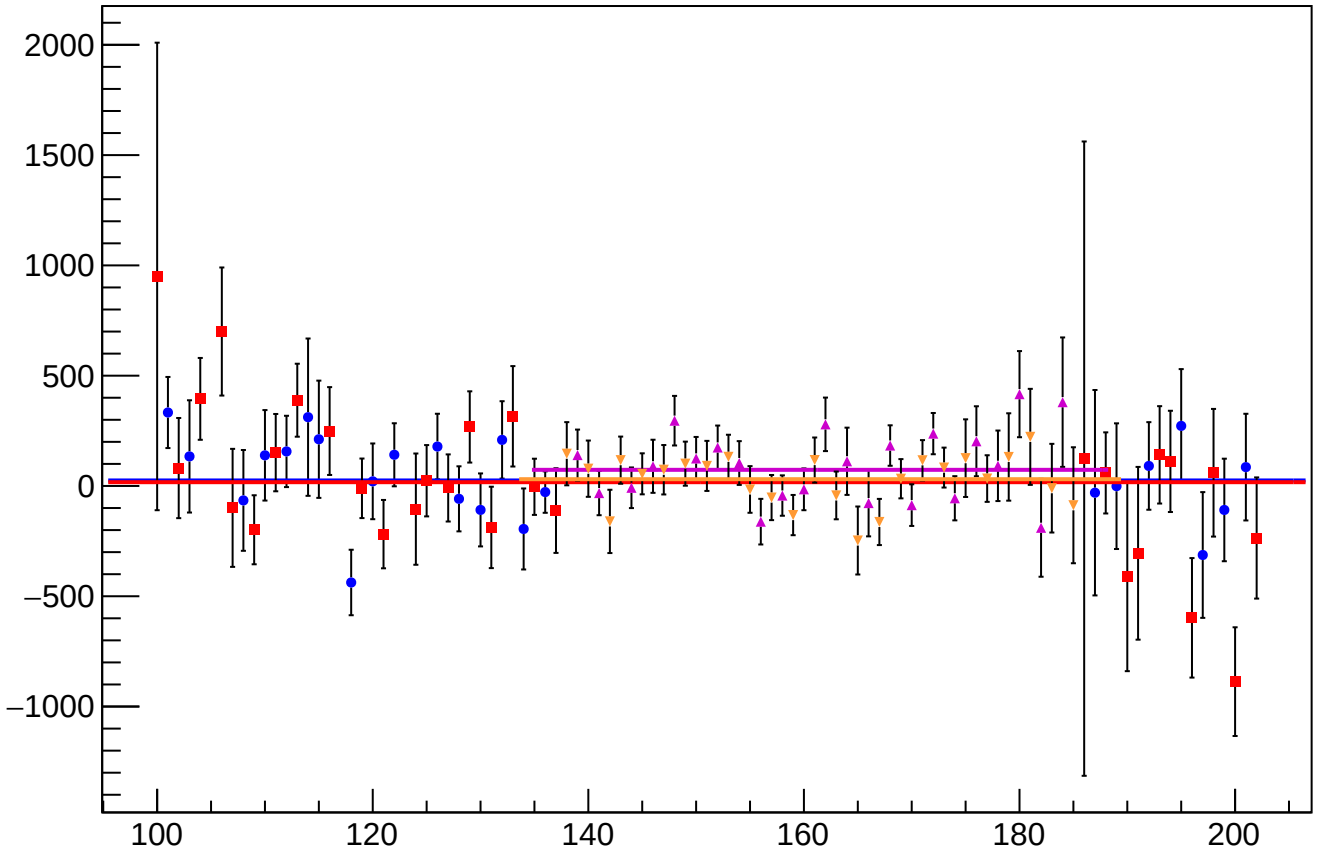
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1522.611+/-0.220 χ^2/NDF: 5475169.3/51

In: 772.457+/-0.107 χ^2/NDF:9218854.4/45

Out: 784.331+/-0.105 χ^2/NDF:11689698.5/53

All: 778.521+/-0.075 χ^2/NDF: 20914790.7/99



Right In: 24.935+/-37.963 χ^2/NDF: 24.2/22

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 17.125+/-37.354 χ^2/NDF: 49.8/28

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

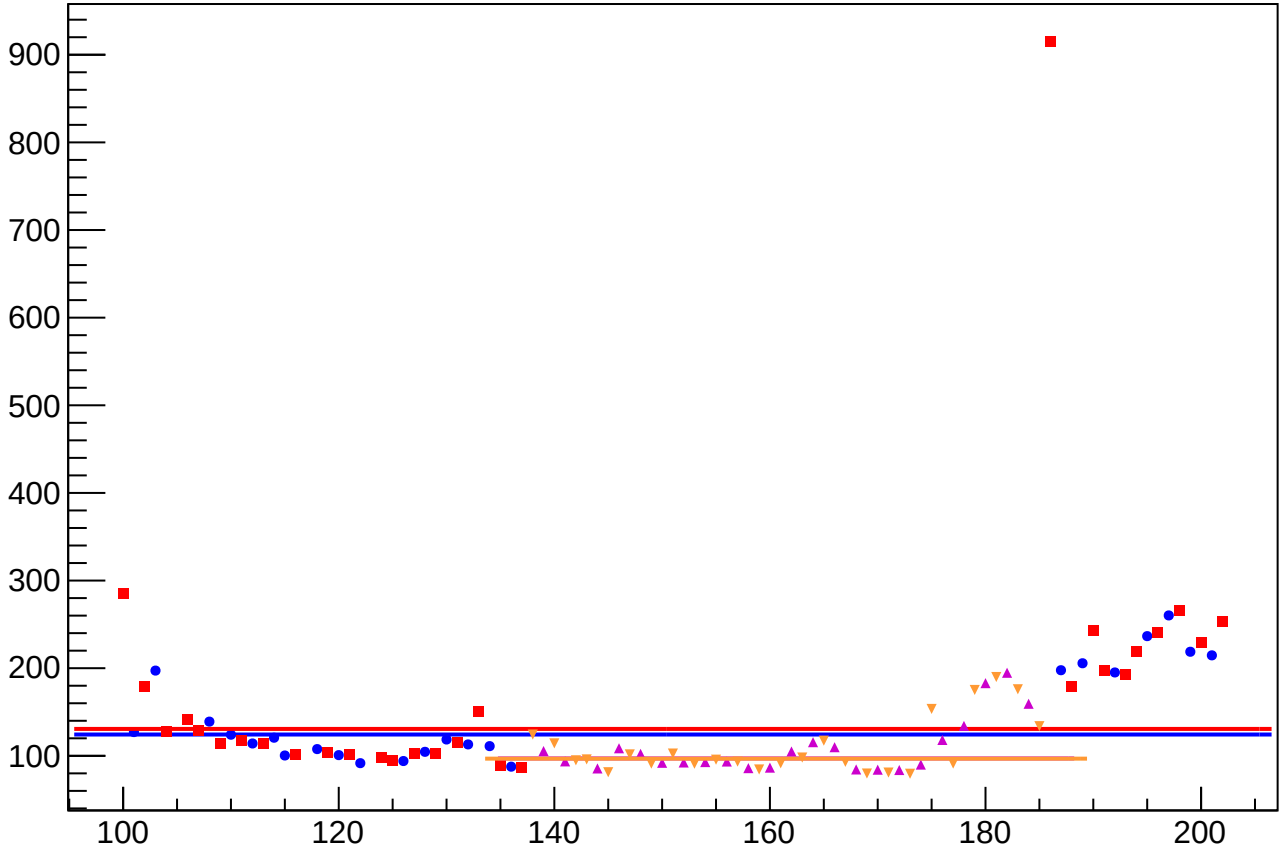
Right: 20.967+/-26.626 χ^2/NDF: 74.0/51

In: 59.782+/-19.988 χ^2/NDF:59.9/45

Out: 26.990+/-19.496 χ^2/NDF:69.8/53

All: 42.978+/-13.956 χ^2/NDF: 131.1/99

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 124.323+/-0.027 χ^2/NDF: 2720340.1/22

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.716+/-0.026 χ^2/NDF: 3866618.4/28

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

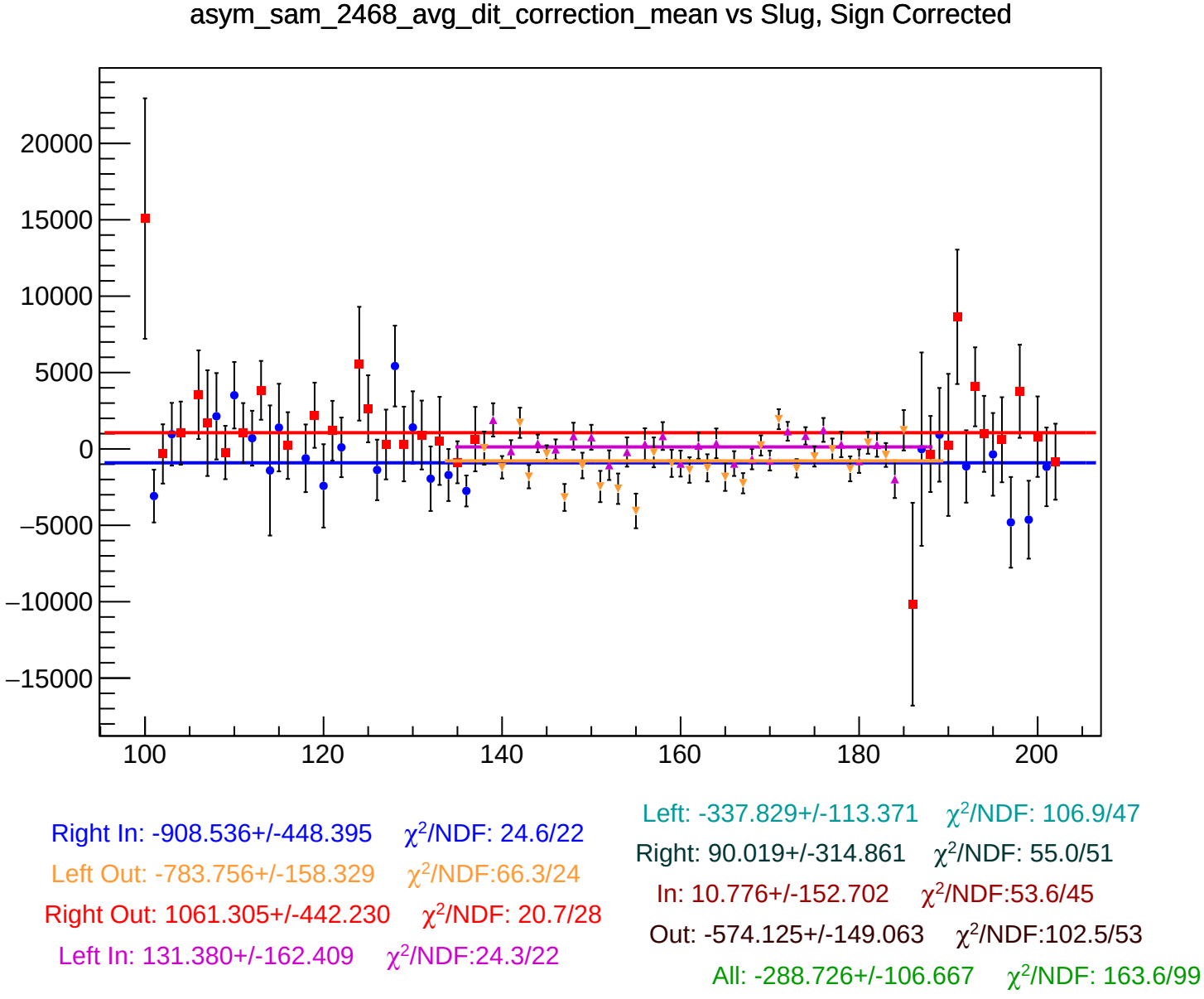
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

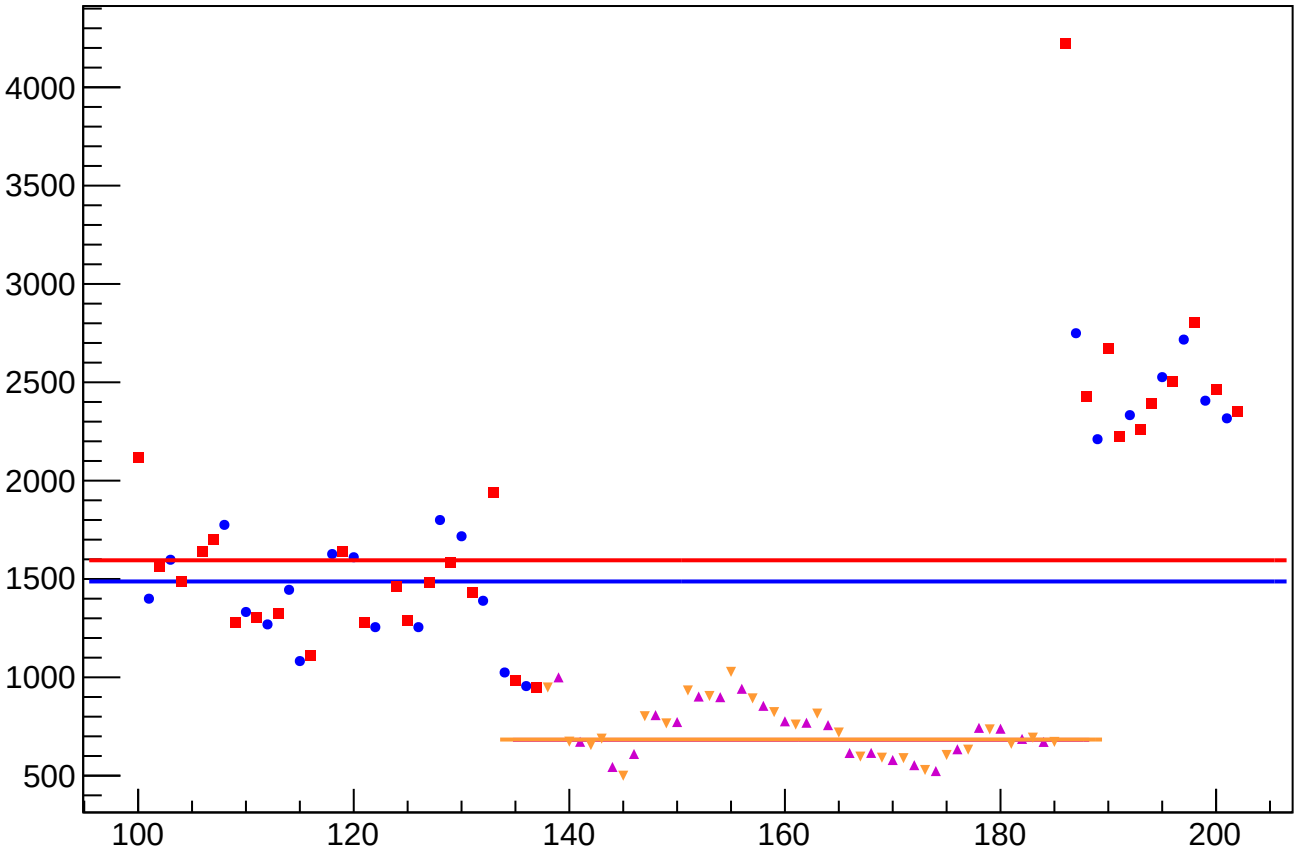
Right: 127.571+/-0.019 χ^2/NDF: 6615774.3/51

In: 104.586+/-0.014 χ^2/NDF:4789436.3/45

Out: 106.035+/-0.014 χ^2/NDF:6787090.7/53

All: 105.328+/-0.010 χ^2/NDF: 11581909.9/99


asym_sam_2468_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -908.536+/-448.395 χ²/NDF: 24.6/22
Left Out: -783.756+/-158.329 χ²/NDF:66.3/24
Right Out: 1061.305+/-442.230 χ²/NDF: 20.7/28
Left In: 131.380+/-162.409 χ²/NDF:24.3/22
Left: -337.829+/-113.371 χ²/NDF: 106.9/47
Right: 90.019+/-314.861 χ²/NDF: 55.0/51
In: 10.776+/-152.702 χ²/NDF:53.6/45
Out: -574.125+/-149.063 χ²/NDF:102.5/53
All: -288.726+/-106.667 χ²/NDF: 163.6/99



Right In: 1487.416+/-0.317 χ^2/NDF: 2477214.8/22

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1595.071+/-0.313 χ^2/NDF: 2941571.4/28

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

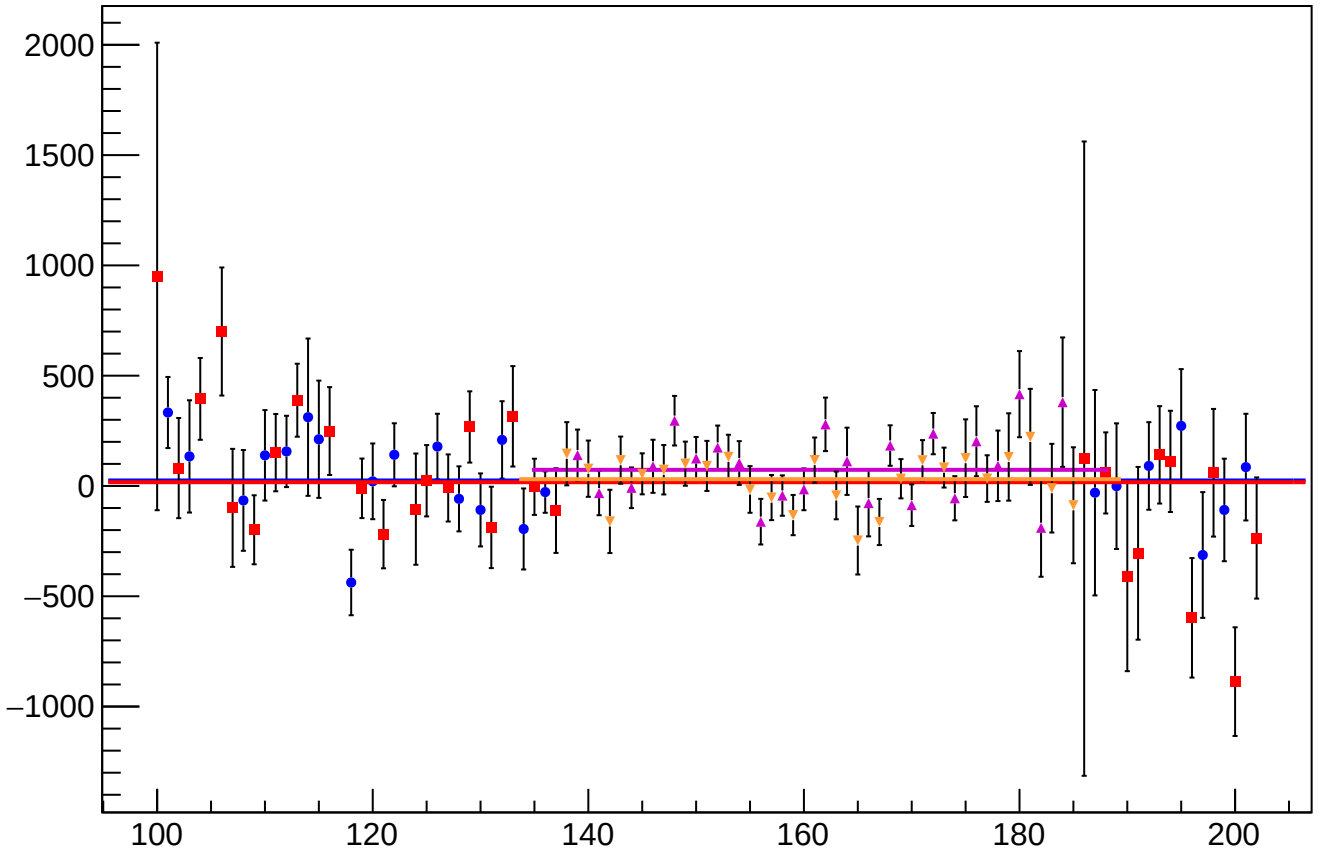
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1541.989+/-0.223 χ^2/NDF: 5477227.4/51

In: 775.374+/-0.108 χ^2/NDF:9368336.6/45

Out: 787.245+/-0.105 χ^2/NDF:11768708.5/53

All: 781.453+/-0.075 χ^2/NDF: 21143234.5/99



Right In: 24.935+/-37.963 χ^2/NDF: 24.2/22

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 17.124+/-37.354 χ^2/NDF: 49.8/28

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

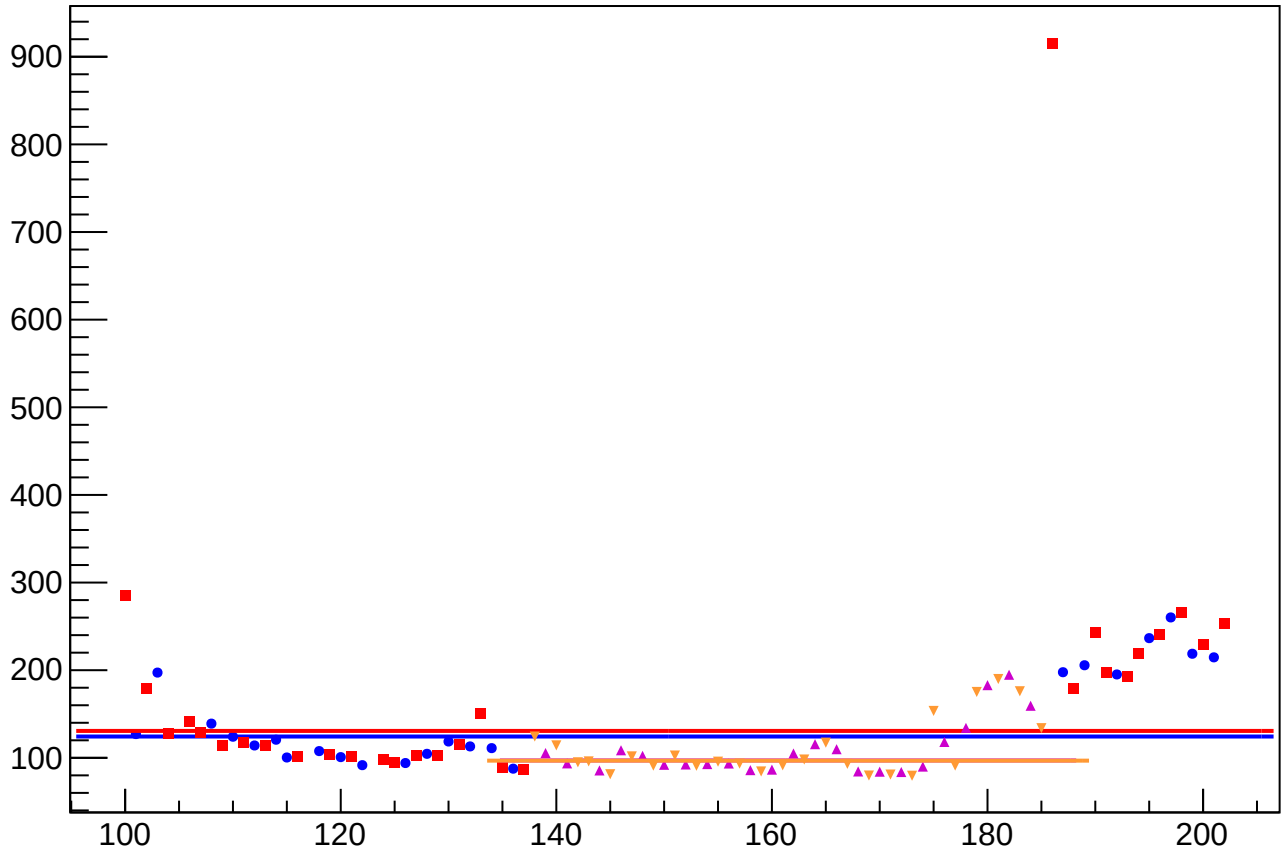
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 20.966+/-26.626 χ^2/NDF: 74.0/51

In: 59.782+/-19.988 χ^2/NDF:59.9/45

Out: 26.990+/-19.496 χ^2/NDF:69.8/53

All: 42.978+/-13.956 χ^2/NDF: 131.1/99



Right In: 124.322+/-0.027 χ^2/NDF: 2720354.1/22

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.715+/-0.026 χ^2/NDF: 3866652.8/28

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

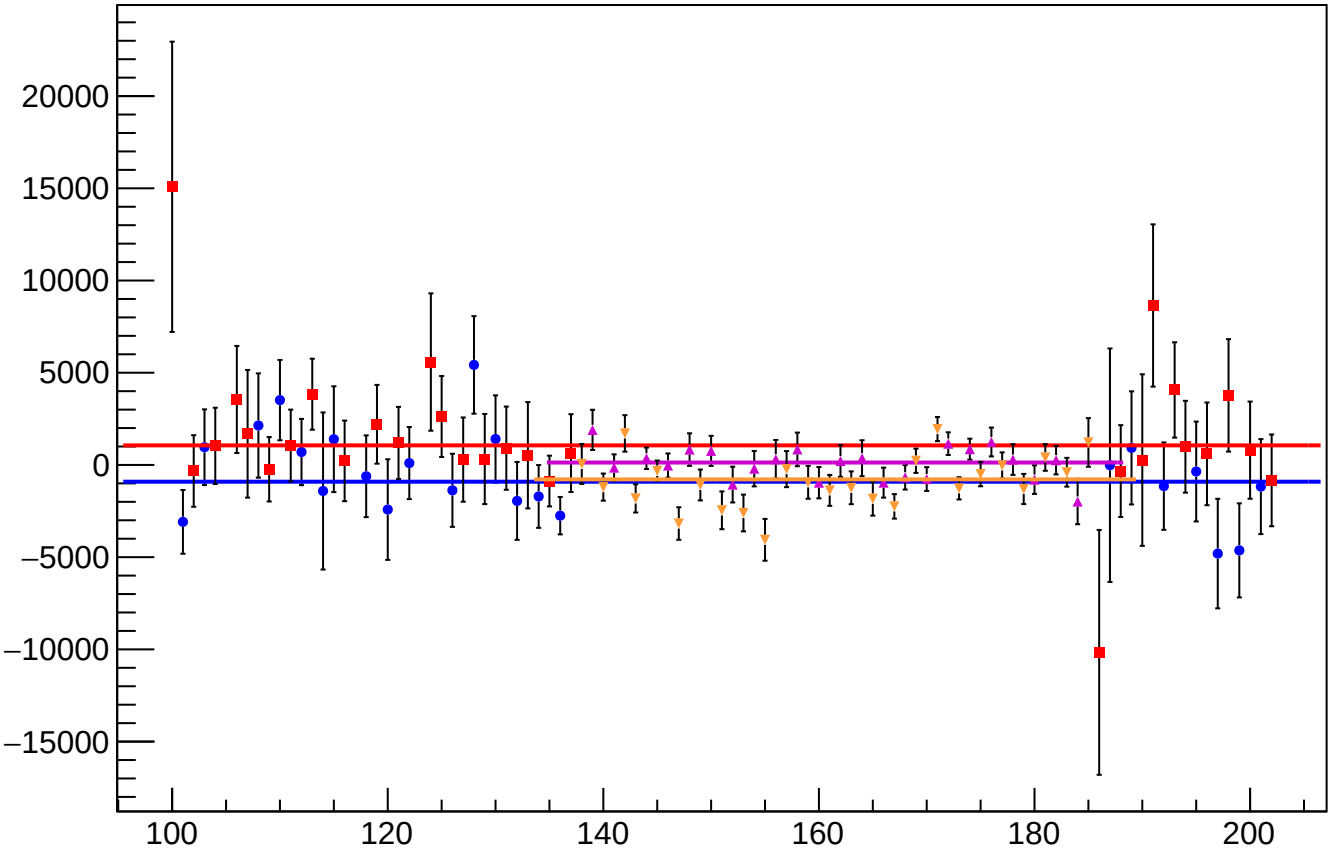
Right: 127.570+/-0.019 χ^2/NDF: 6615824.2/51

In: 104.586+/-0.014 χ^2/NDF:4789376.6/45

Out: 106.035+/-0.014 χ^2/NDF:6787059.5/53

All: 105.329+/-0.010 χ^2/NDF: 11581819.2/99

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -908.530+/-448.394 χ^2/NDF: 24.6/22

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1061.305+/-442.229 χ^2/NDF: 20.7/28

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

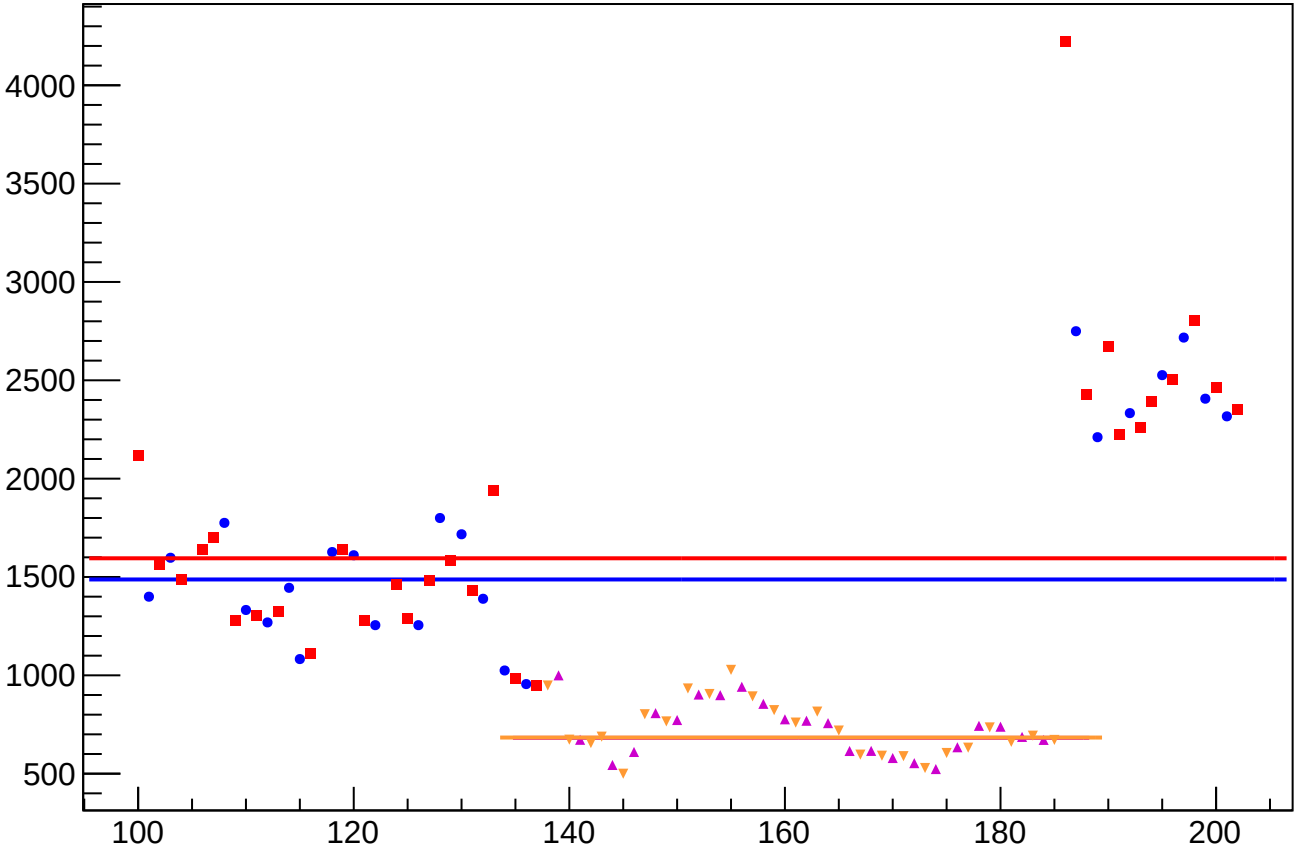
Right: 90.022+/-314.860 χ^2/NDF: 55.0/51

In: 10.776+/-152.701 χ^2/NDF:53.6/45

Out: -574.124+/-149.063 χ^2/NDF:102.5/53

All: -288.725+/-106.666 χ^2/NDF: 163.6/99

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1487.413+/-0.317 χ^2/NDF: 2477219.6/22

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1595.068+/-0.313 χ^2/NDF: 2941580.6/28

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

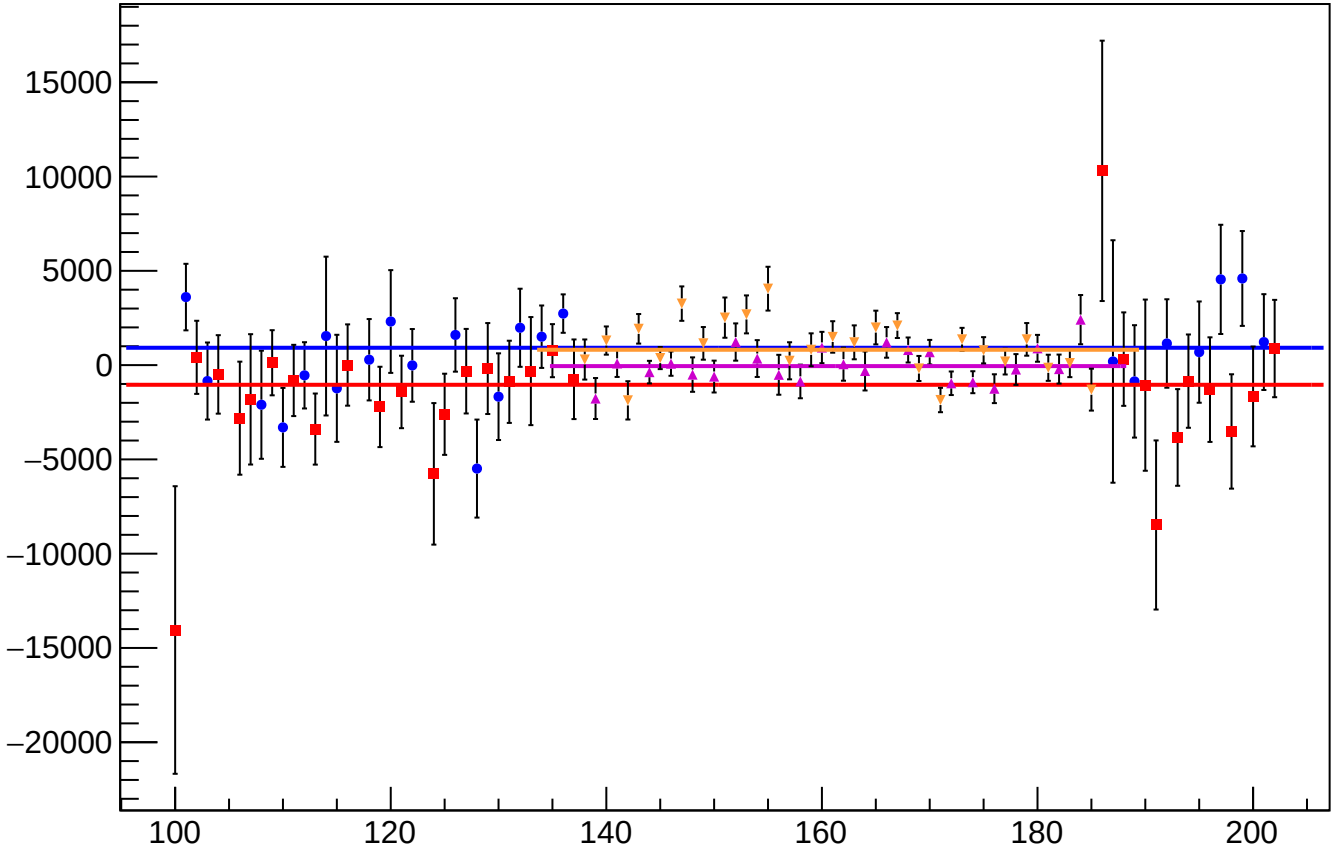
Right: 1541.985+/-0.223 χ^2/NDF: 5477241.3/51

In: 775.372+/-0.108 χ^2/NDF:9368342.4/45

Out: 787.244+/-0.105 χ^2/NDF:11768721.4/53

All: 781.451+/-0.075 χ^2/NDF: 21143253.2/99

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 920.385+/-443.485 χ^2/NDF: 25.2/22

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1043.255+/-440.198 χ^2/NDF: 18.9/28

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

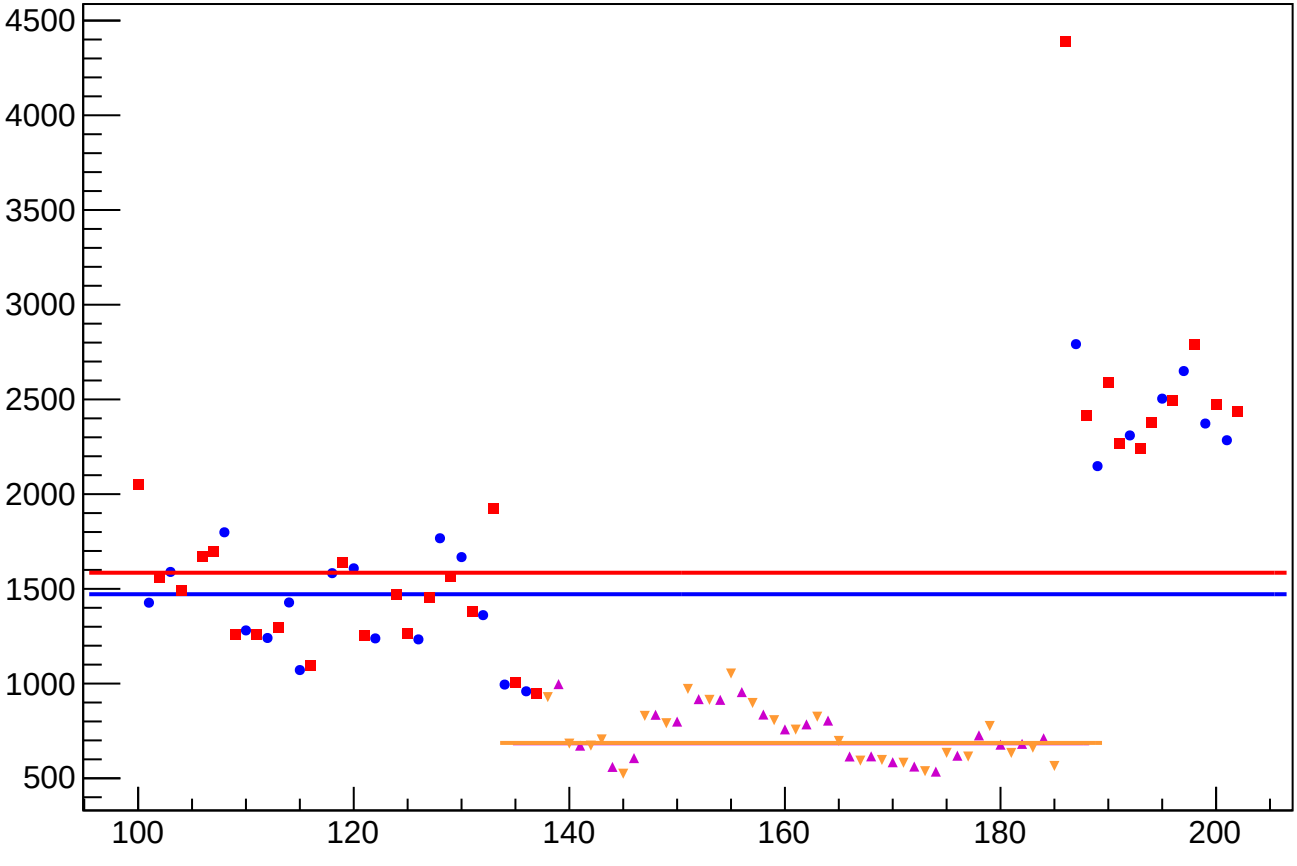
Right: -68.739+/-312.422 χ^2/NDF: 54.0/51

In: 63.514+/-153.023 χ^2/NDF:54.9/45

Out: 599.104+/-149.757 χ^2/NDF:100.4/53

All: 337.086+/-107.030 χ^2/NDF: 161.5/99

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1471.647+/-0.314 χ^2/NDF: 2443194.6/22

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1585.113+/-0.311 χ^2/NDF: 2983183.3/28

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

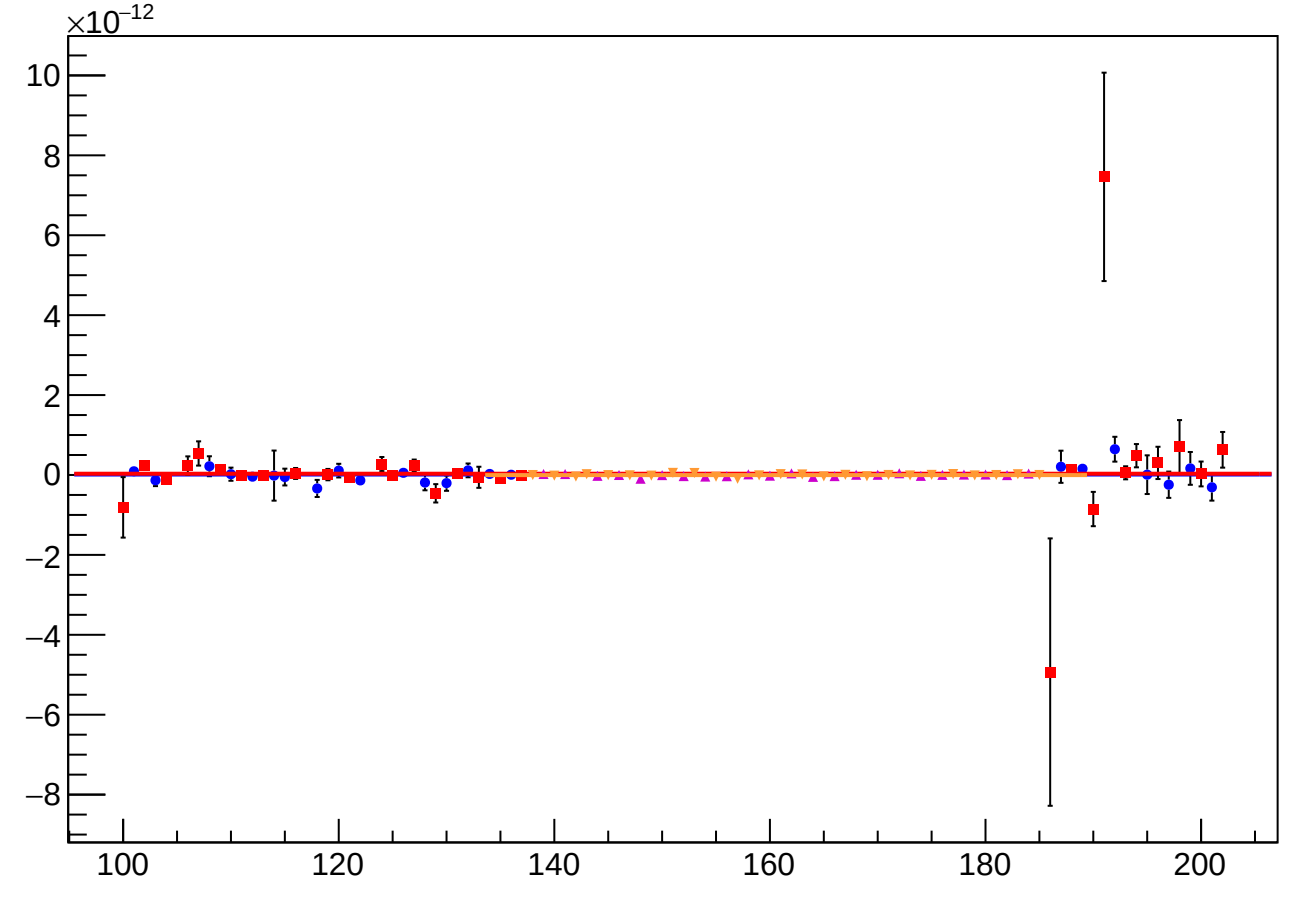
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1528.802+/-0.221 χ^2/NDF: 5492323.8/51

In: 778.448+/-0.108 χ^2/NDF:9155187.4/45

Out: 790.681+/-0.106 χ^2/NDF:11662013.6/53

All: 784.696+/-0.076 χ^2/NDF: 20823729.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.7/28

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

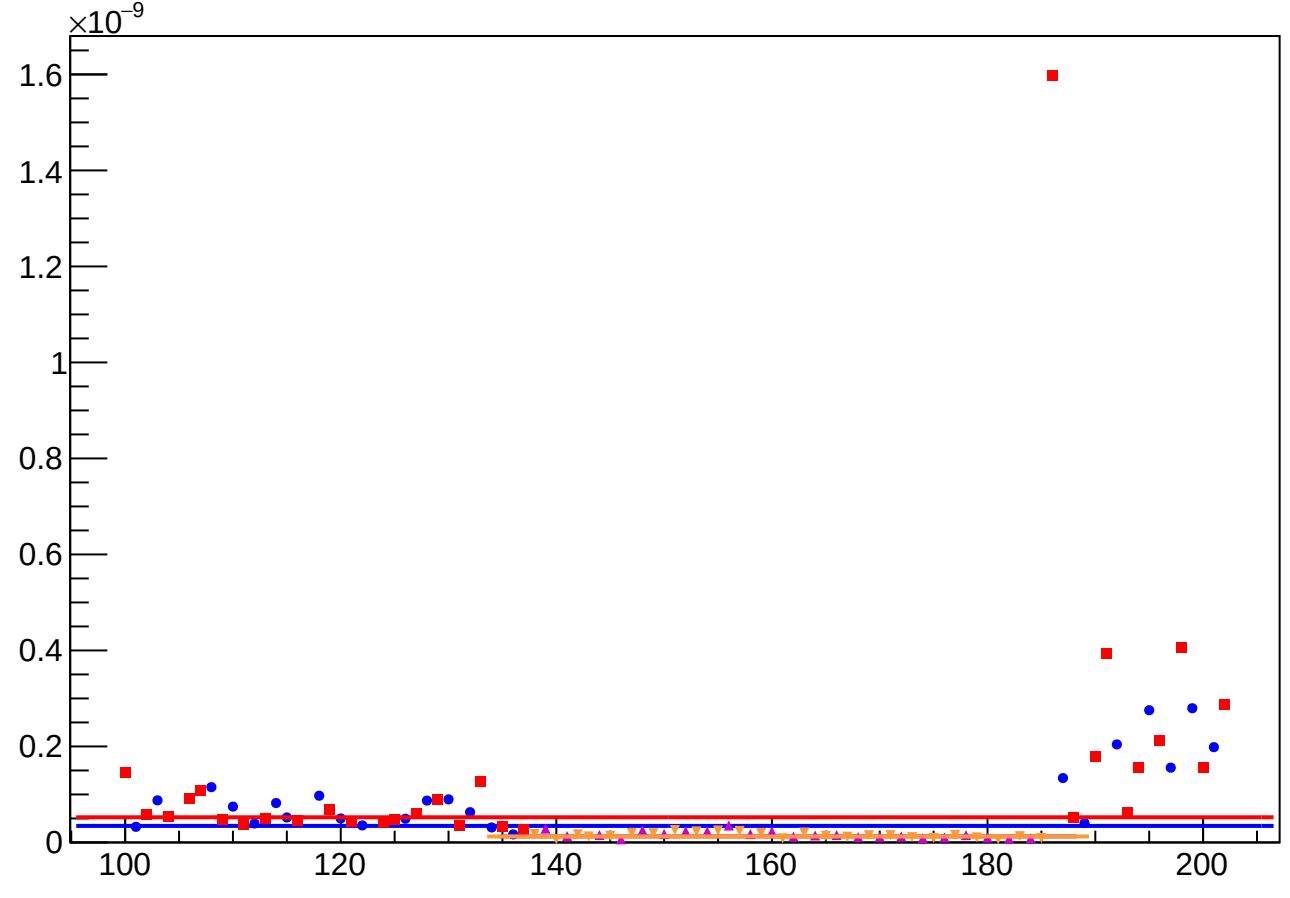
Left: -0.000+/-0.000 χ^2/NDF: 37.1/47

Right: 0.000+/-0.000 χ^2/NDF: 65.1/51

In: 0.000+/-0.000 χ^2/NDF:39.8/45

Out: -0.000+/-0.000 χ^2/NDF:63.8/53

All: -0.000+/-0.000 χ^2/NDF: 103.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 4654837.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3330483.1/28

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

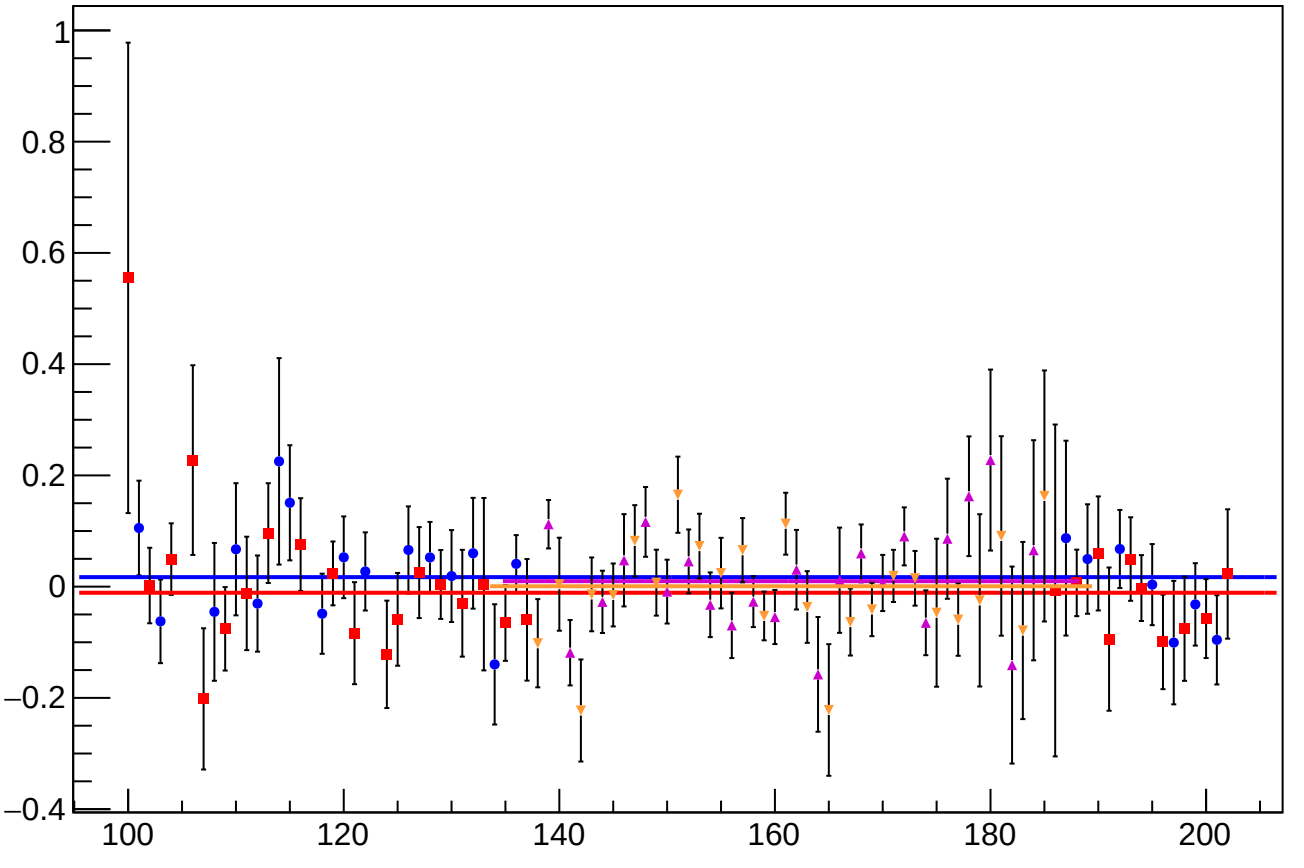
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 8543483.8/51

In: 0.000+/-0.000 χ^2/NDF:8639503.1/45

Out: 0.000+/-0.000 χ^2/NDF:9389991.7/53

All: 0.000+/-0.000 χ^2/NDF: 18029540.5/99



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

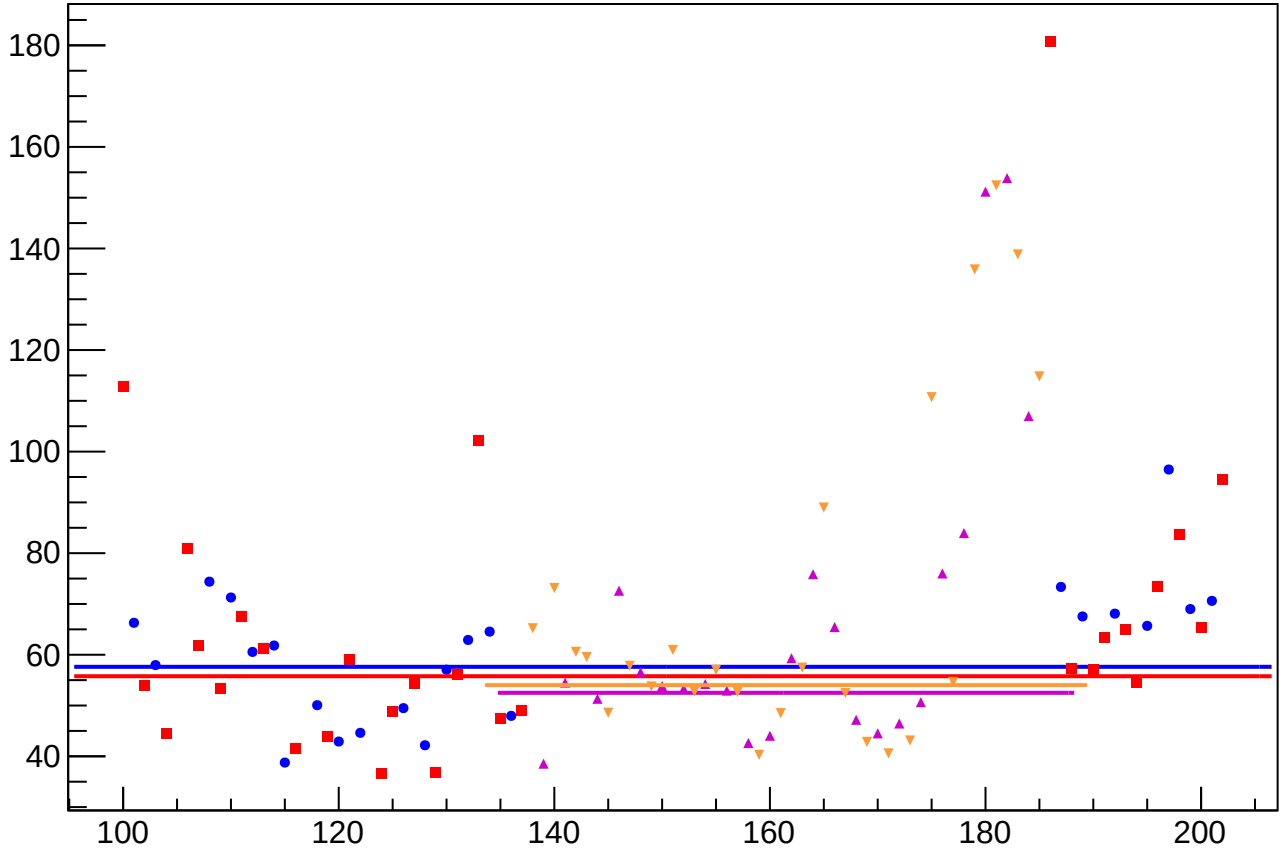
Right: 0.002+/-0.012 χ^2/NDF: 33.6/51

In: 0.012+/-0.010 χ^2/NDF:46.5/45

Out: -0.004+/-0.010 χ^2/NDF:49.7/53

All: 0.004+/-0.007 χ^2/NDF: 97.5/99

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.622+/-0.012 χ^2/NDF: 996648.2/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 55.771+/-0.011 χ^2/NDF: 1739631.5/28

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

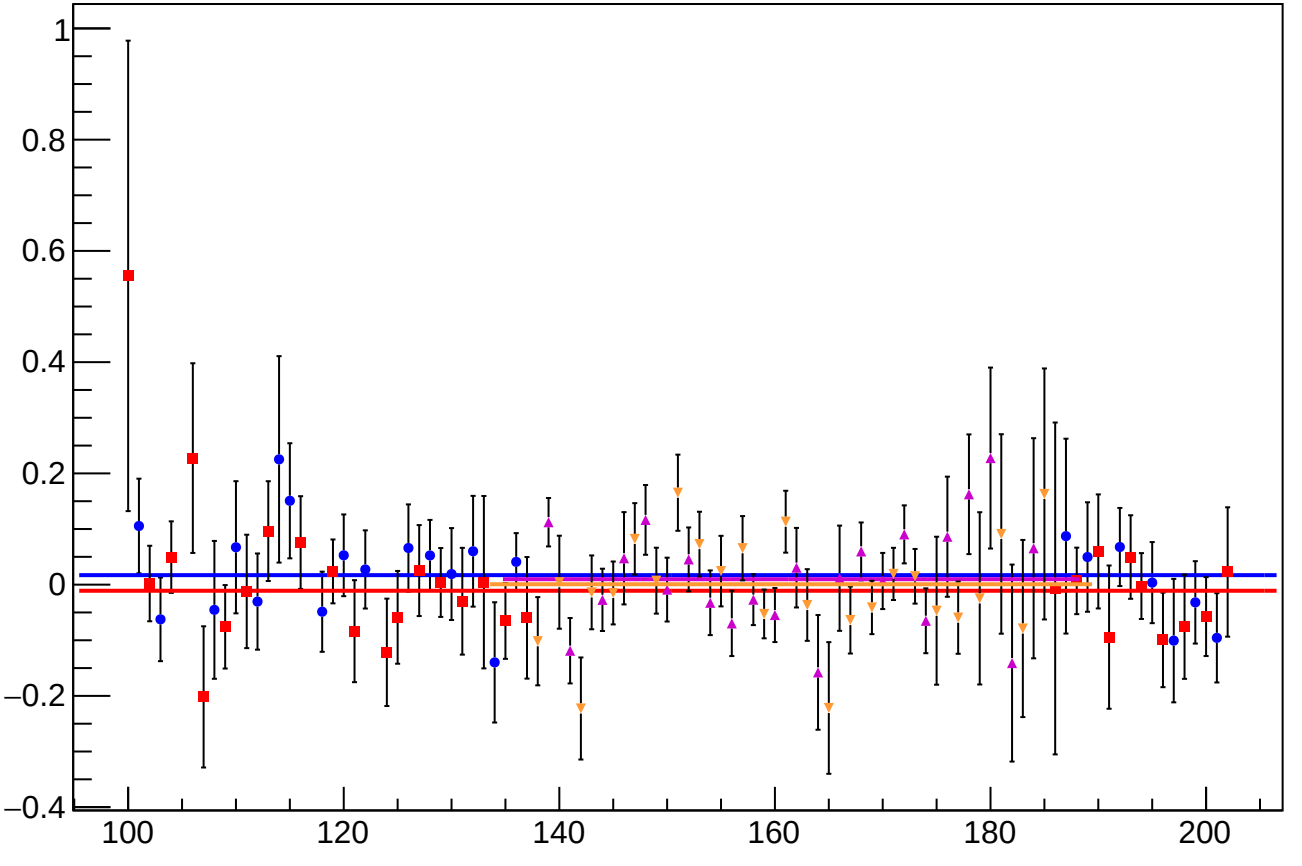
Right: 56.606+/-0.008 χ^2/NDF: 2748860.9/51

In: 54.392+/-0.007 χ^2/NDF:3665144.7/45

Out: 54.745+/-0.007 χ^2/NDF:4981848.7/53

All: 54.575+/-0.005 χ^2/NDF: 8648168.3/99

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

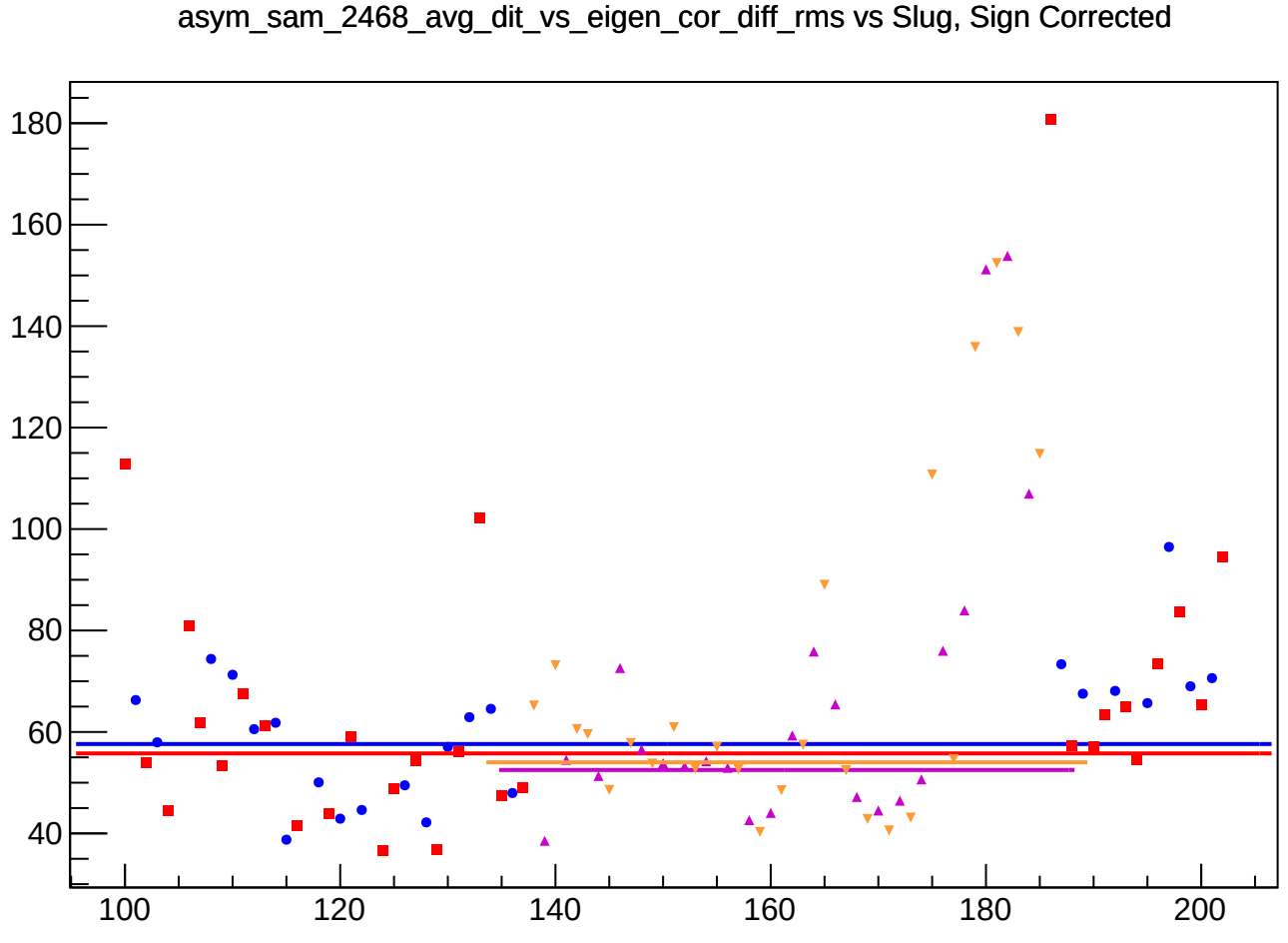
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.002+/-0.012 χ^2/NDF: 33.6/51

In: 0.012+/-0.010 χ^2/NDF:46.5/45

Out: -0.004+/-0.010 χ^2/NDF:49.7/53

All: 0.004+/-0.007 χ^2/NDF: 97.5/99



Right In: 57.622+/-0.012 χ^2/NDF: 996648.2/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 55.771+/-0.011 χ^2/NDF: 1739631.5/28

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

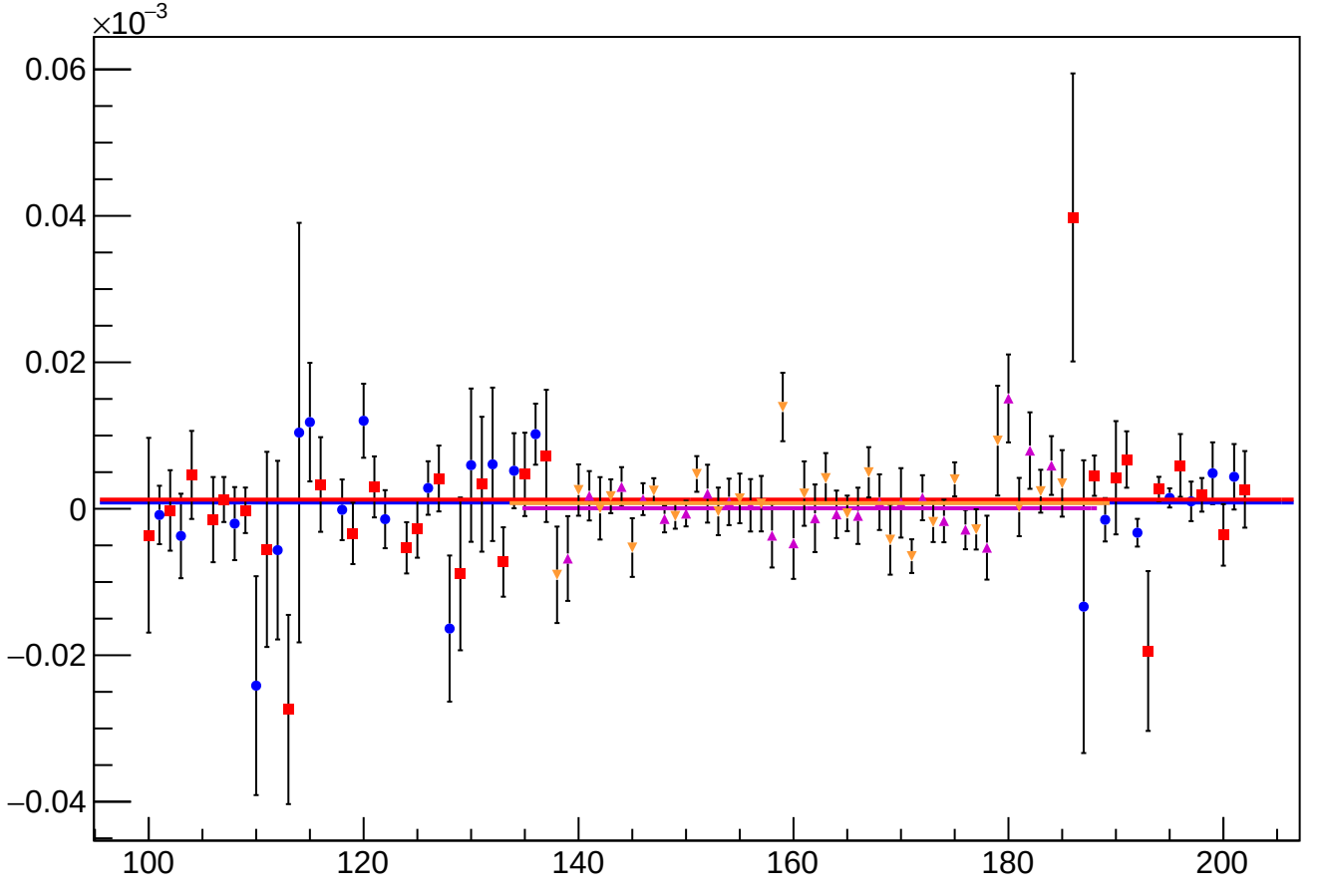
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 56.606+/-0.008 χ^2/NDF: 2748860.9/51

In: 54.392+/-0.007 χ^2/NDF:3665144.7/45

Out: 54.745+/-0.007 χ^2/NDF:4981848.7/53

All: 54.575+/-0.005 χ^2/NDF: 8648168.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/28

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

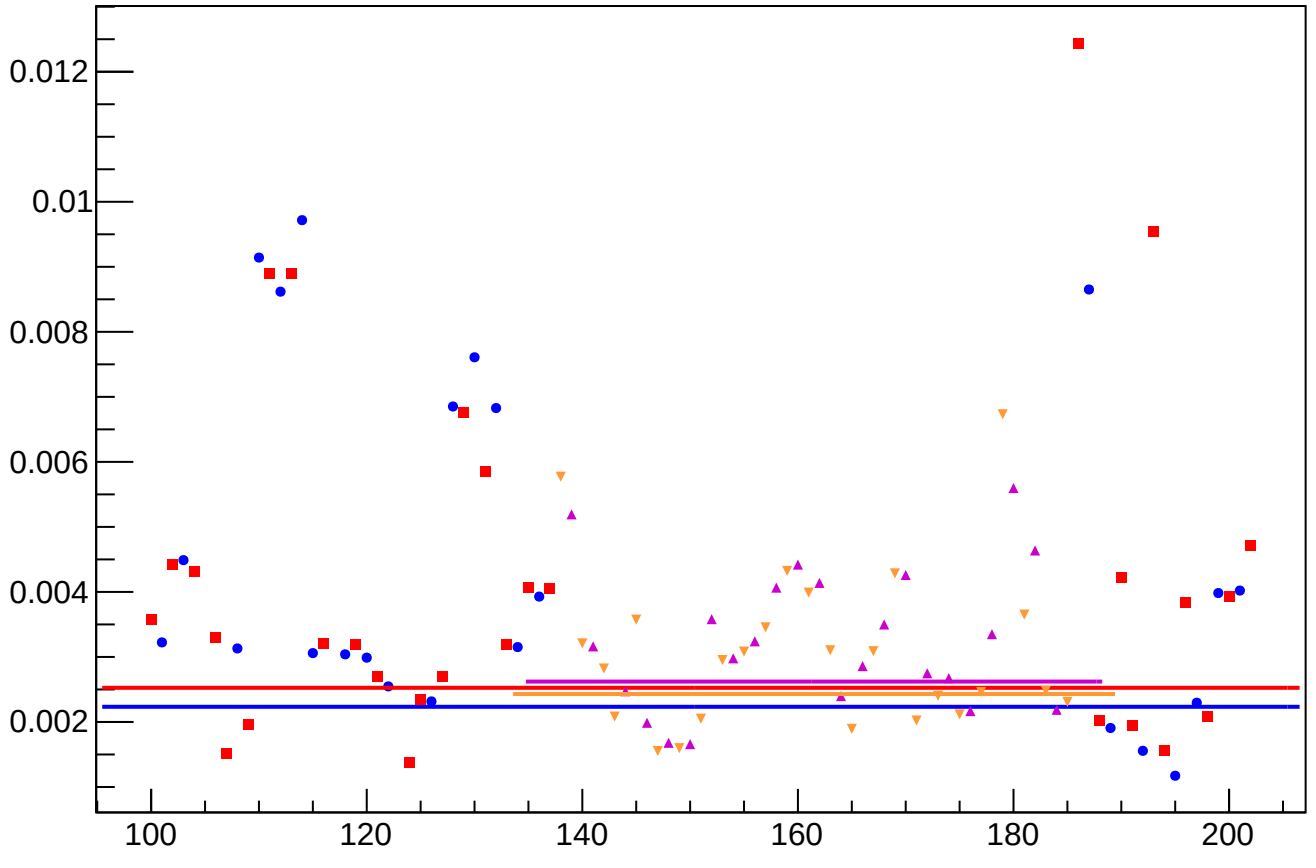
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 60.7/51

In: 0.000+/-0.000 χ^2/NDF:49.4/45

Out: 0.000+/-0.000 χ^2/NDF:70.3/53

All: 0.000+/-0.000 χ^2/NDF: 120.3/99



Right In: 0.002+/-0.000 χ^2/NDF: 5963904.5/22

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5871685.2/28

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

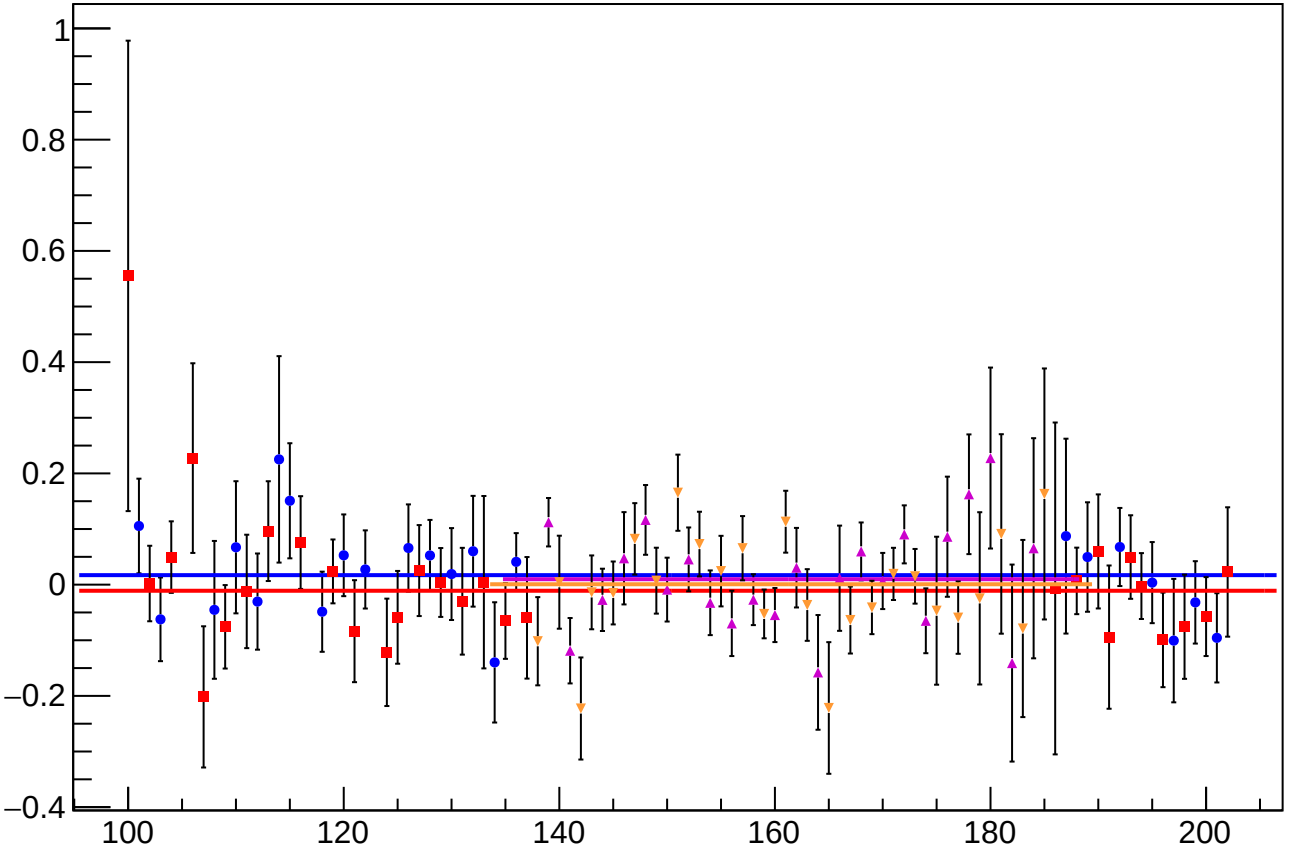
Right: 0.002+/-0.000 χ^2/NDF: 11981868.9/51

In: 0.002+/-0.000 χ^2/NDF:10217111.7/45

Out: 0.002+/-0.000 χ^2/NDF:10109551.4/53

All: 0.002+/-0.000 χ^2/NDF: 20327245.8/99

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

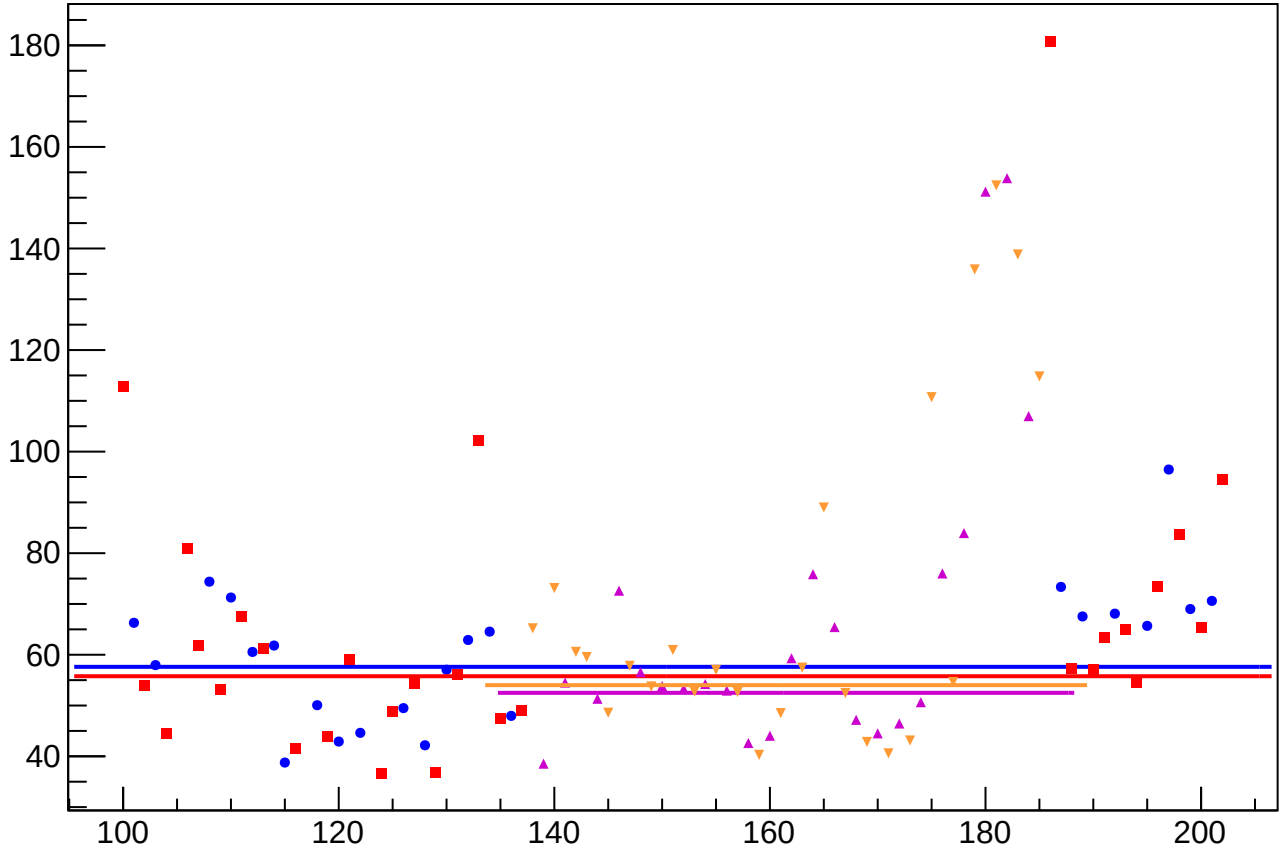
Right: 0.002+/-0.012 χ^2/NDF: 33.6/51

In: 0.012+/-0.010 χ^2/NDF:46.5/45

Out: -0.004+/-0.010 χ^2/NDF:49.7/53

All: 0.004+/-0.007 χ^2/NDF: 97.5/99

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.621+/-0.012 χ^2/NDF: 996648.5/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 55.770+/-0.011 χ^2/NDF: 1739706.3/28

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

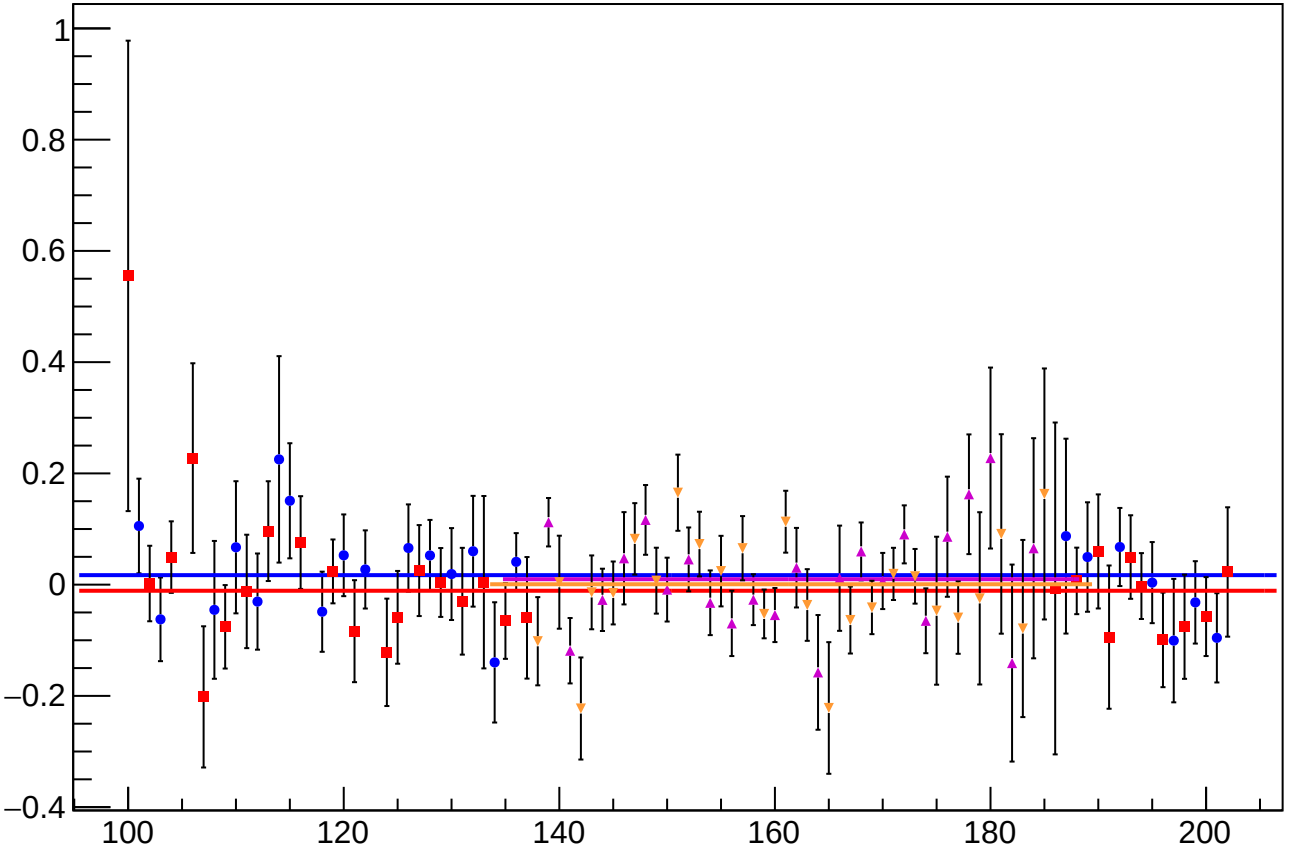
Right: 56.606+/-0.008 χ^2/NDF: 2748933.8/51

In: 54.392+/-0.007 χ^2/NDF:3665131.3/45

Out: 54.745+/-0.007 χ^2/NDF:4981922.6/53

All: 54.575+/-0.005 χ^2/NDF: 8648228.8/99

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

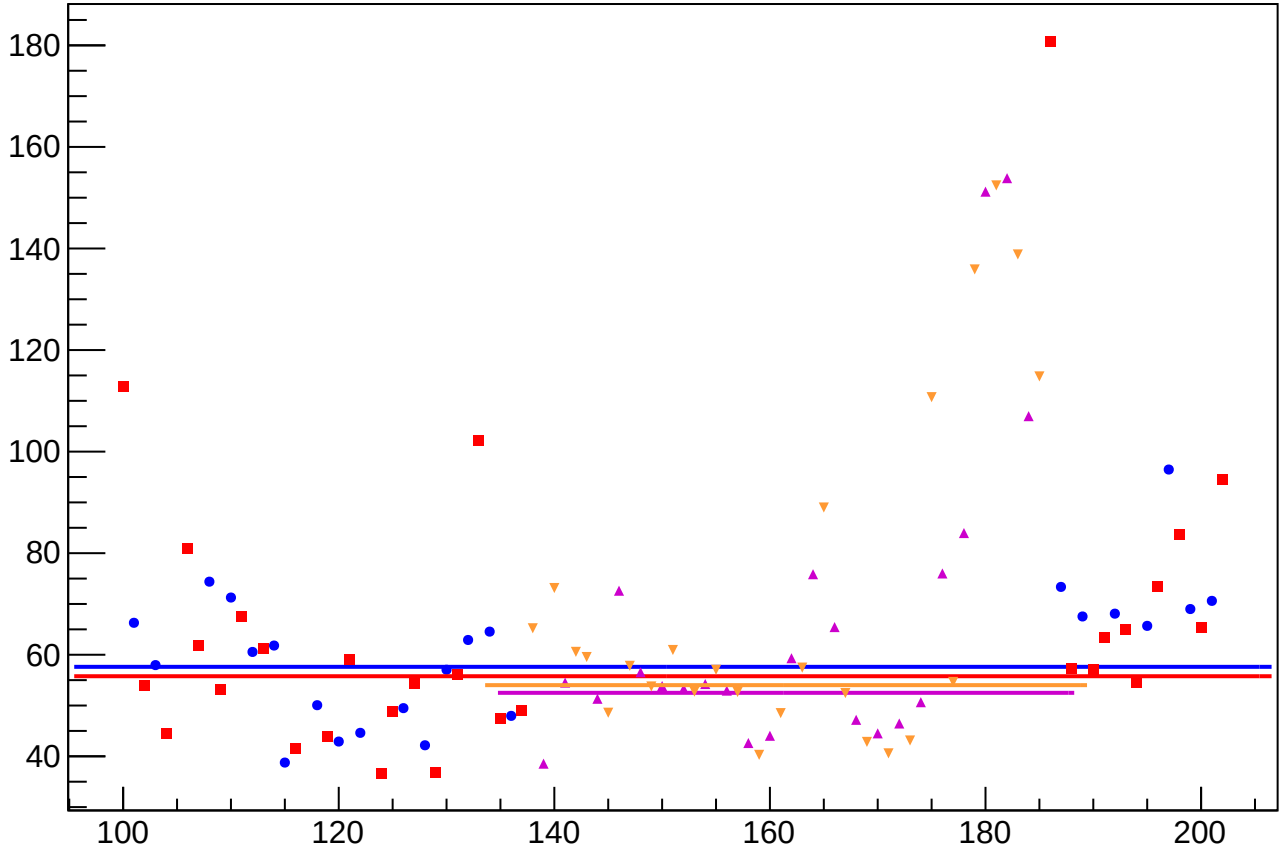
Right: 0.002+/-0.012 χ^2/NDF: 33.6/51

In: 0.012+/-0.010 χ^2/NDF:46.5/45

Out: -0.004+/-0.010 χ^2/NDF:49.7/53

All: 0.004+/-0.007 χ^2/NDF: 97.5/99

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.621+/-0.012 χ^2/NDF: 996648.5/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 55.770+/-0.011 χ^2/NDF: 1739706.3/28

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

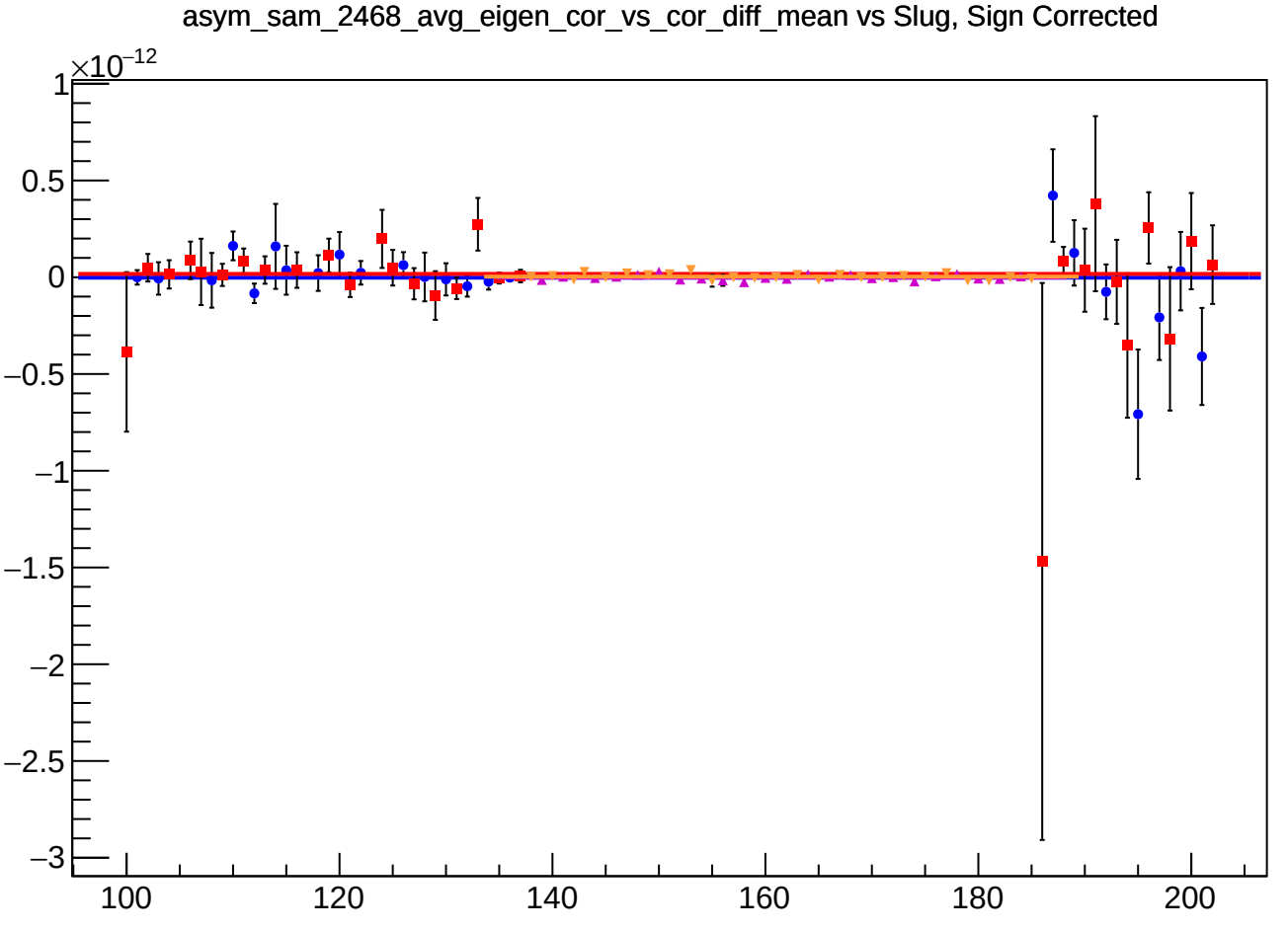
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 56.606+/-0.008 χ^2/NDF: 2748933.8/51

In: 54.392+/-0.007 χ^2/NDF:3665131.3/45

Out: 54.745+/-0.007 χ^2/NDF:4981922.6/53

All: 54.575+/-0.005 χ^2/NDF: 8648228.8/99



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/28

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

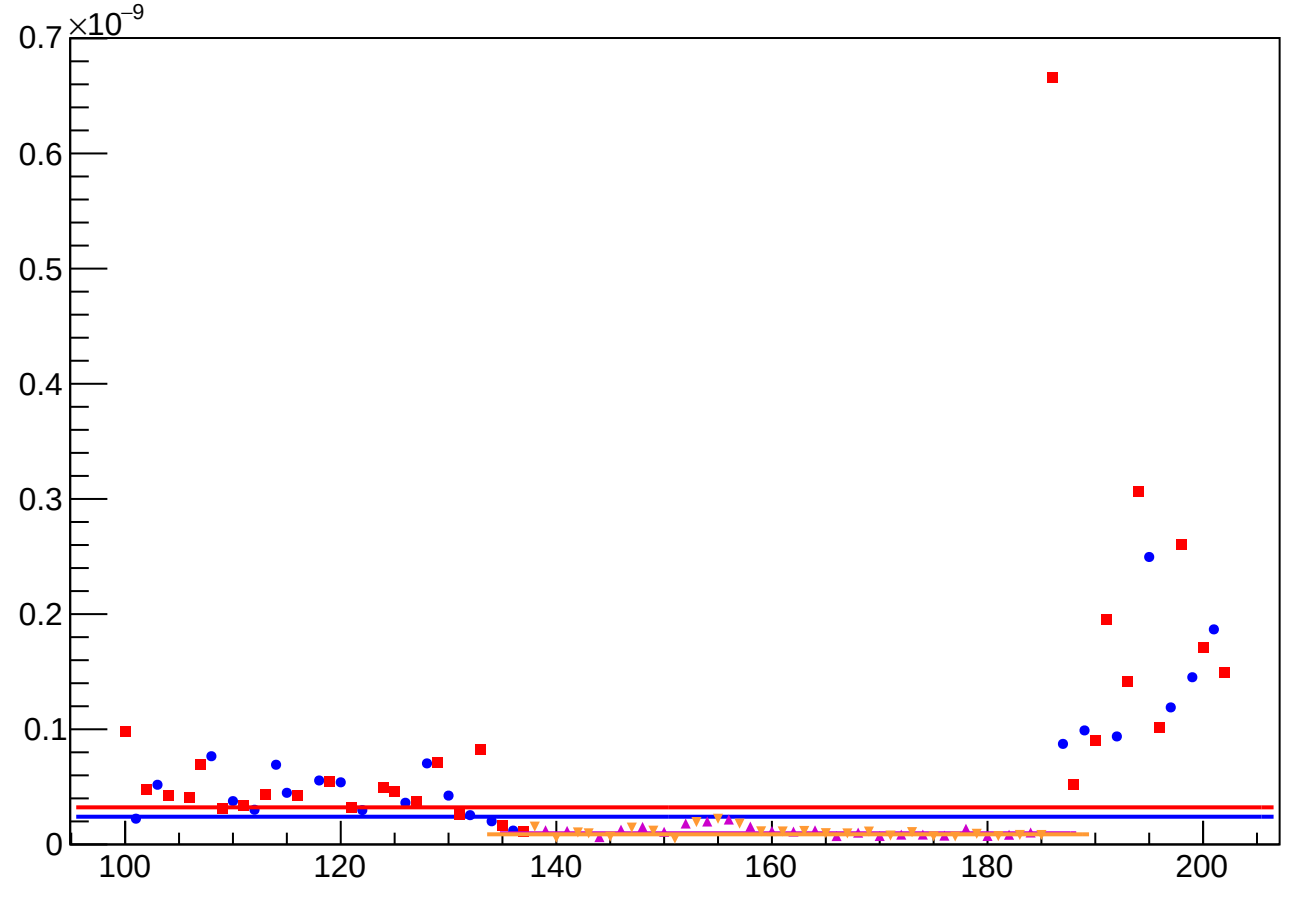
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 44.8/51

In: -0.000+/-0.000 χ^2/NDF:38.5/45

Out: 0.000+/-0.000 χ^2/NDF:43.2/53

All: 0.000+/-0.000 χ^2/NDF: 83.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 6460358.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7407793.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

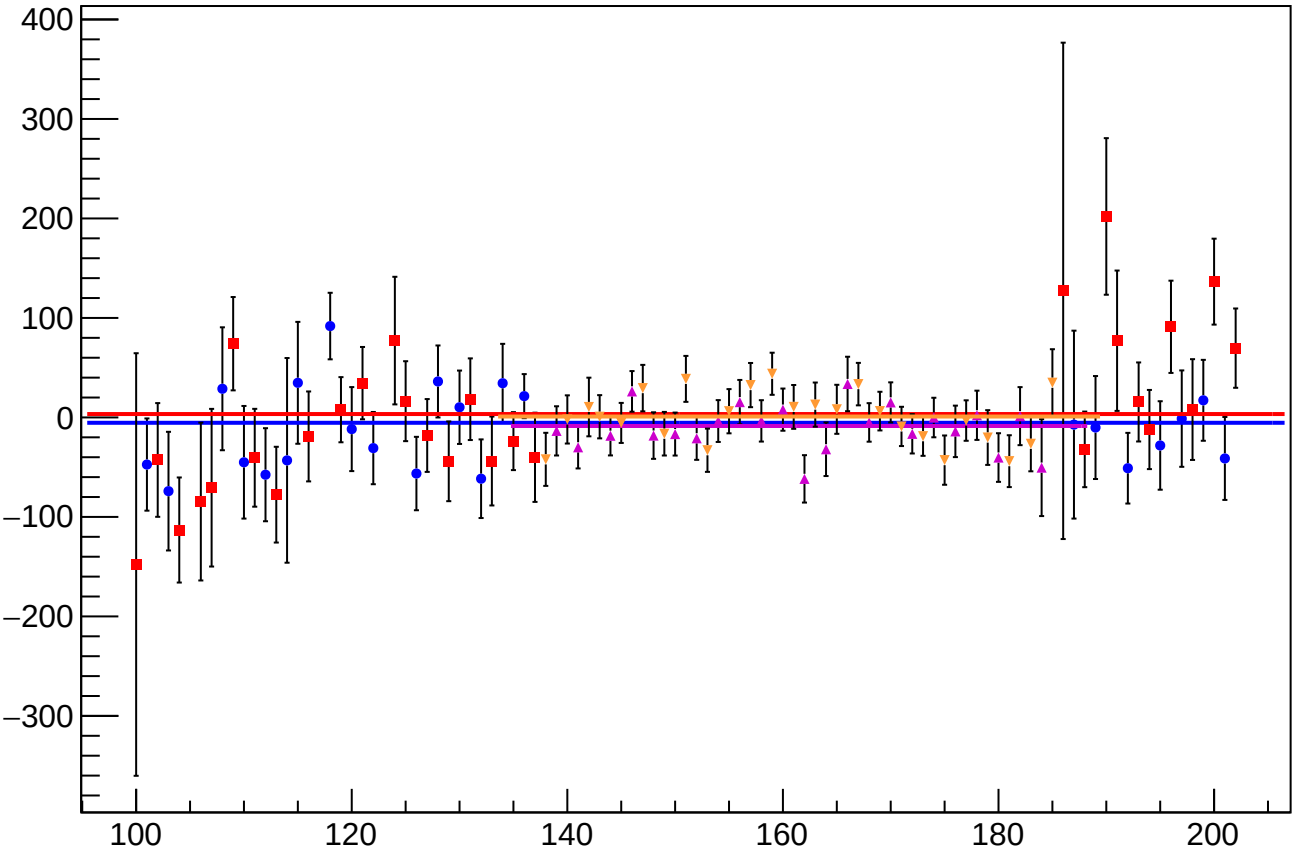
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14262313.9/51

In: 0.000+/-0.000 χ^2/NDF:11555529.3/45

Out: 0.000+/-0.000 χ^2/NDF:15310941.2/53

All: 0.000+/-0.000 χ^2/NDF: 26982300.3/99



Right In: -5.386+/-8.672 χ^2/NDF: 24.6/22

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 3.405+/-8.499 χ^2/NDF: 46.0/28

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

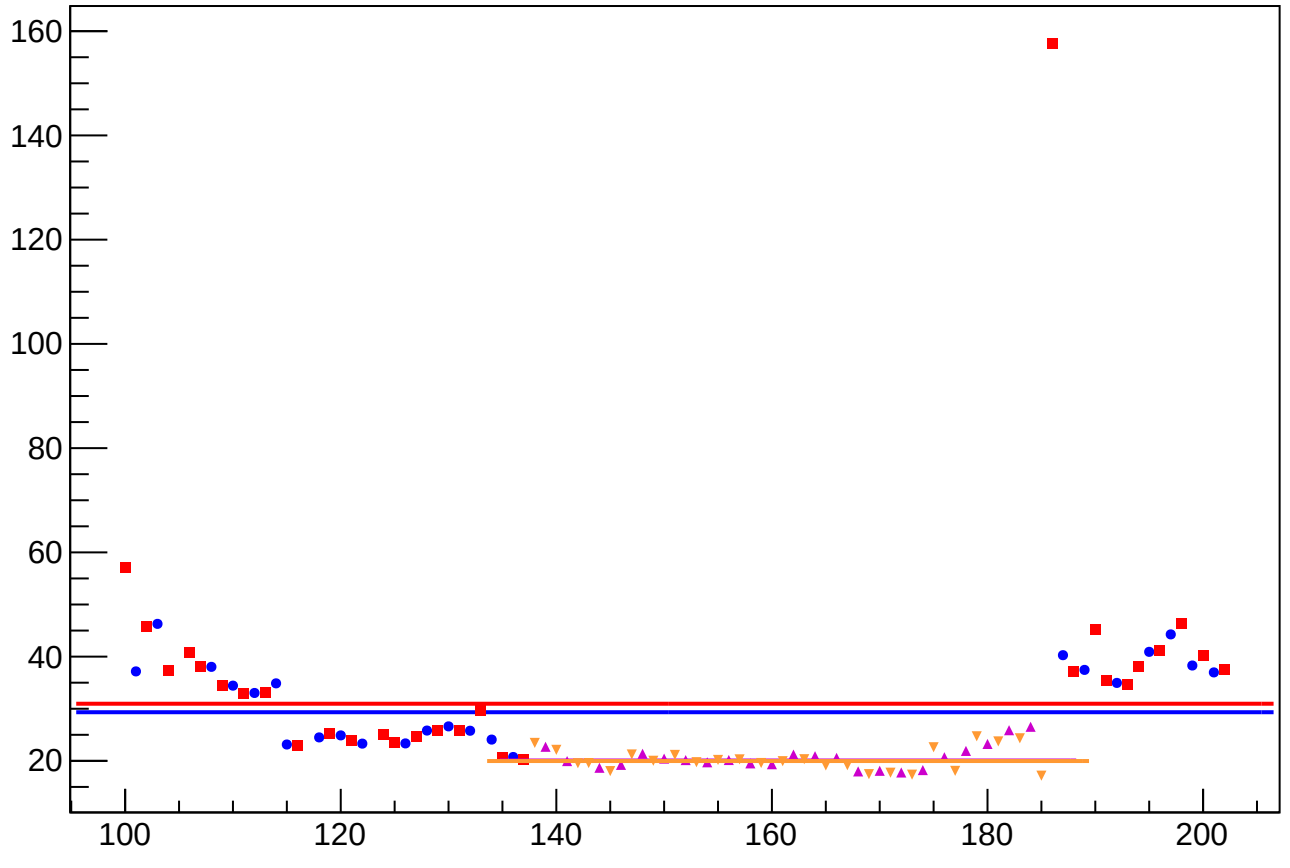
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -0.902+/-6.070 χ^2/NDF: 71.1/51

In: -7.865+/-4.148 χ^2/NDF:44.1/45

Out: 1.475+/-4.028 χ^2/NDF:75.2/53

All: -3.057+/-2.890 χ^2/NDF: 121.9/99



Right In: 29.332+/-0.006 χ^2/NDF: 1483636.2/22

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.963+/-0.006 χ^2/NDF: 2185149.3/28

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

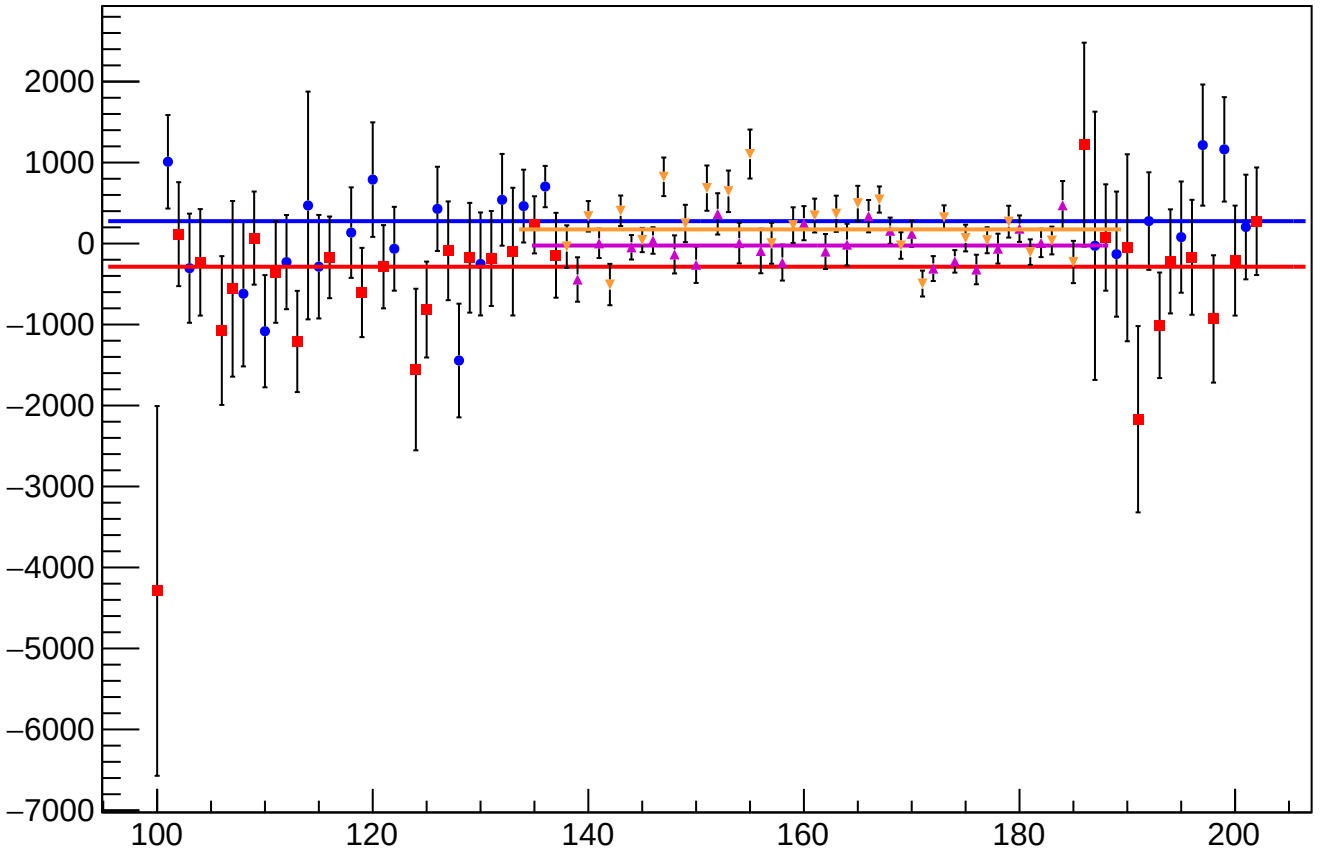
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 30.164+/-0.004 χ^2/NDF: 3704837.5/51

In: 22.191+/-0.003 χ^2/NDF:3543895.9/45

Out: 22.438+/-0.003 χ^2/NDF:5167073.3/53

All: 22.318+/-0.002 χ^2/NDF: 8714612.2/99



Right In: 276.337+/-120.845 χ^2/NDF: 23.6/22

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -286.383+/-120.985 χ^2/NDF: 19.2/28

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

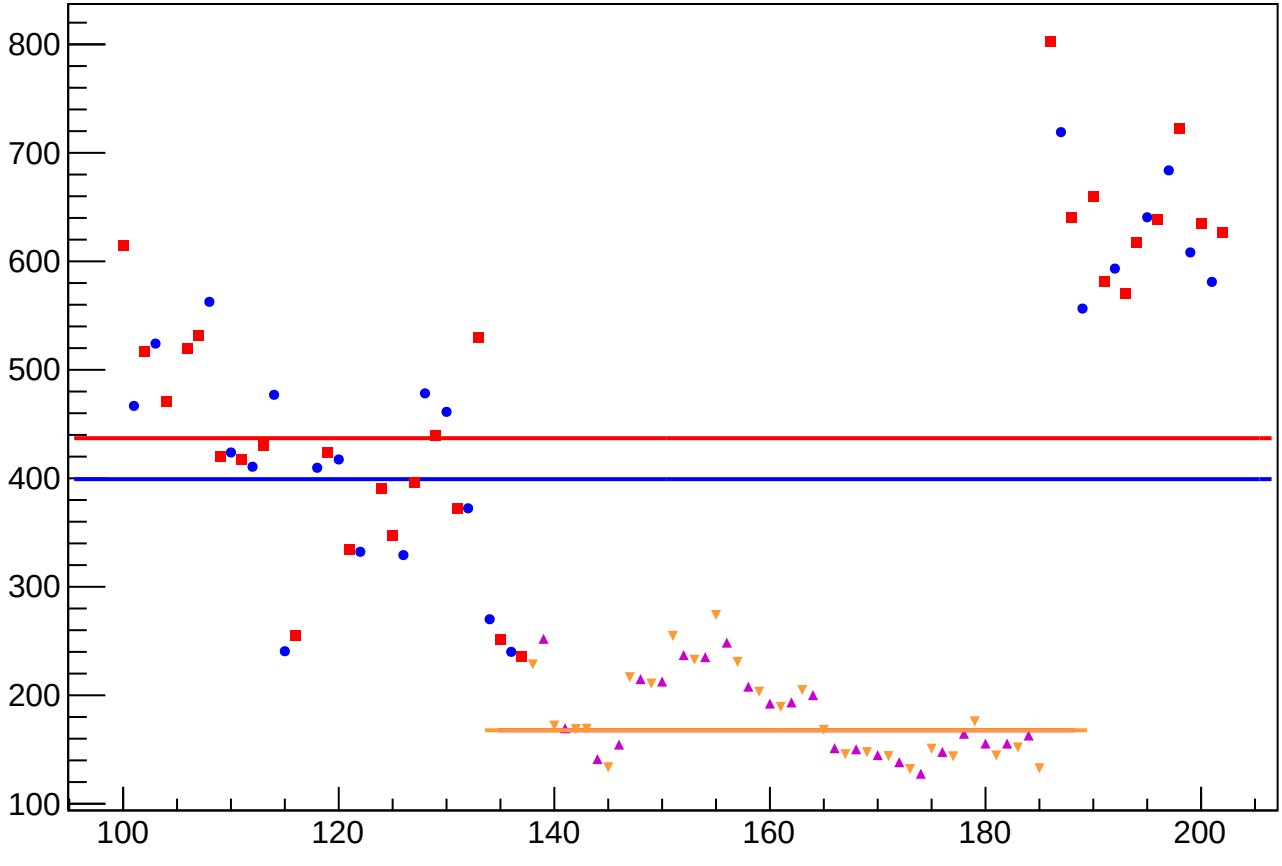
Right: -4.697+/-85.500 χ^2/NDF: 53.7/51

In: 5.219+/-38.034 χ^2/NDF:56.1/45

Out: 131.193+/-37.161 χ^2/NDF:103.6/53

All: 69.667+/-26.580 χ^2/NDF: 165.3/99

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 399.233+/-0.085 χ^2/NDF: 2628438.7/22

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 436.984+/-0.086 χ^2/NDF: 2849979.7/28

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

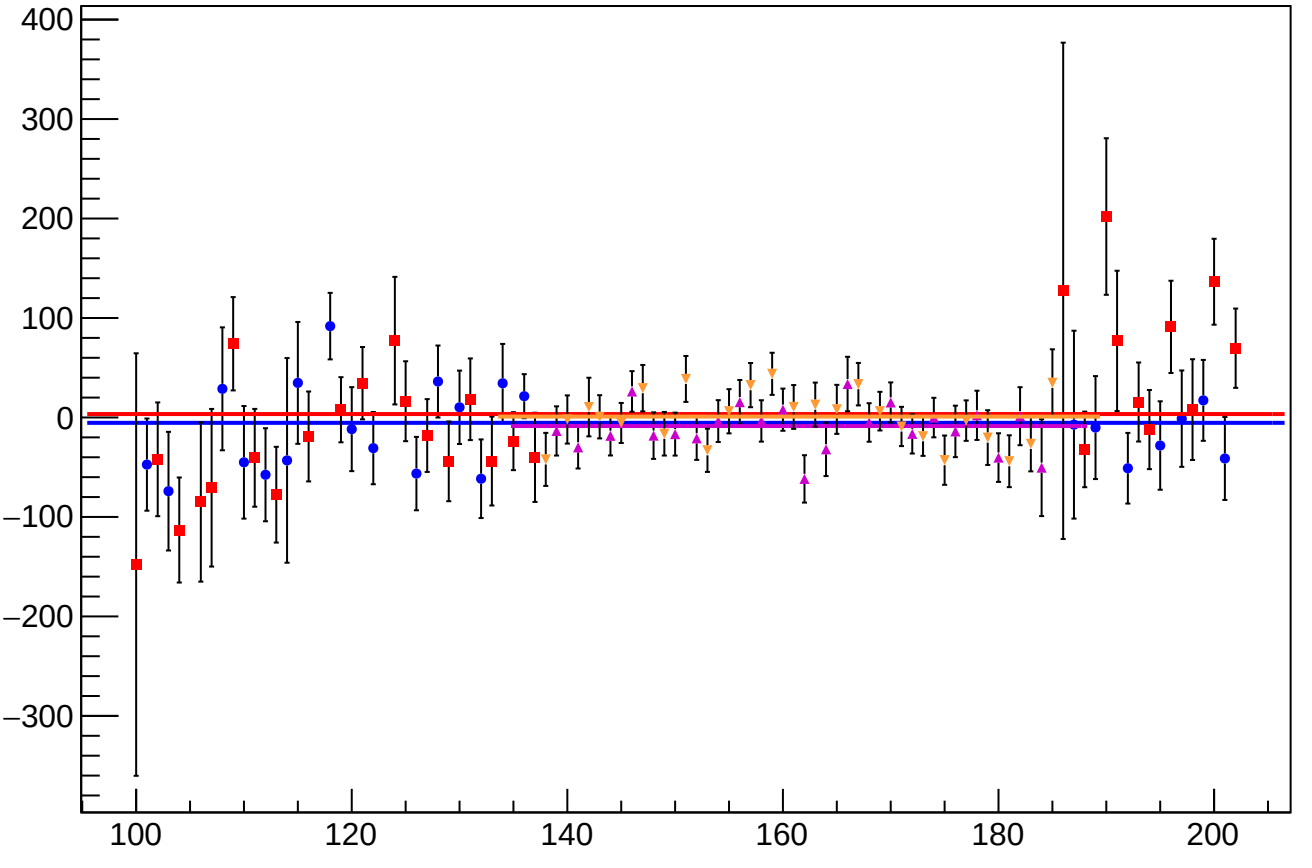
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 418.087+/-0.060 χ^2/NDF: 5575890.9/51

In: 190.678+/-0.027 χ^2/NDF:10643264.0/45

Out: 193.155+/-0.026 χ^2/NDF:13397802.3/53

All: 191.945+/-0.019 χ^2/NDF: 24045404.5/99



Right In: -5.384+/-8.672 χ^2/NDF: 24.6/22

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 3.435+/-8.500 χ^2/NDF: 45.9/28

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

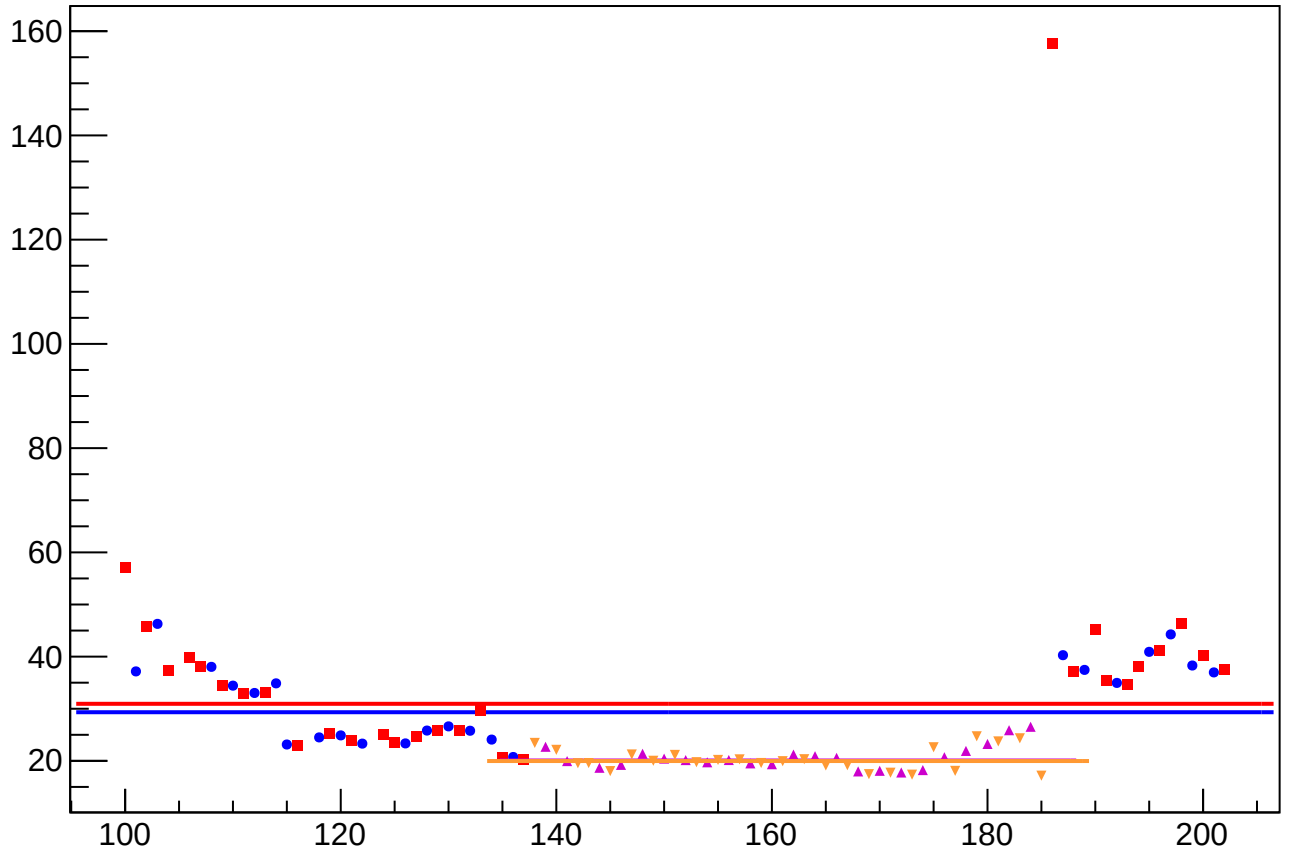
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -0.886+/-6.070 χ^2/NDF: 71.0/51

In: -7.864+/-4.148 χ^2/NDF:44.1/45

Out: 1.481+/-4.028 χ^2/NDF:75.2/53

All: -3.054+/-2.890 χ^2/NDF: 121.9/99



Right In: 29.332+/-0.006 χ^2/NDF: 1483639.4/22

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.949+/-0.006 χ^2/NDF: 2178489.5/28

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

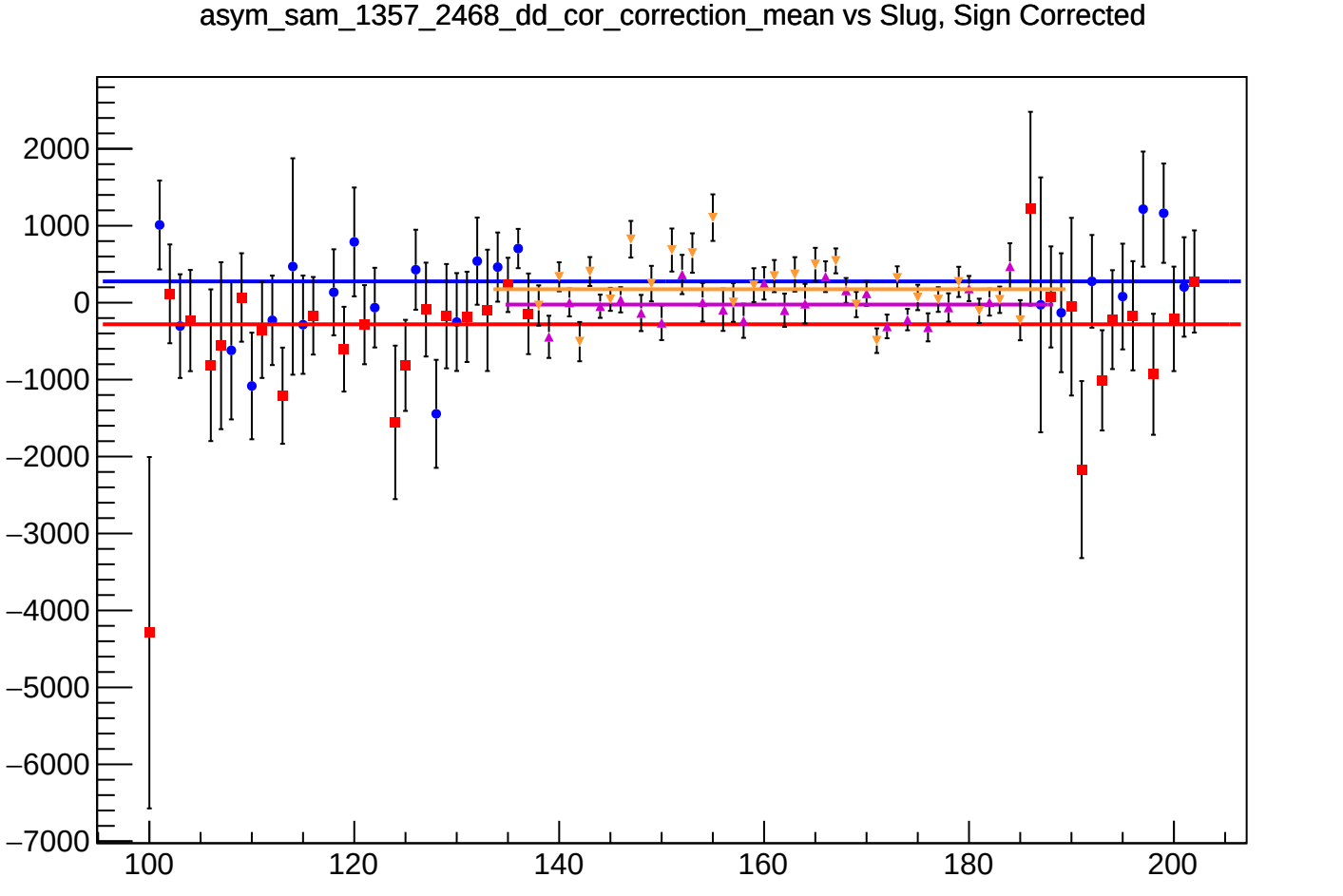
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 30.157+/-0.004 χ^2/NDF: 3697554.1/51

In: 22.191+/-0.003 χ^2/NDF:3543899.3/45

Out: 22.434+/-0.003 χ^2/NDF:5153283.5/53

All: 22.316+/-0.002 χ^2/NDF: 8700719.8/99



Right In: 276.331+/-120.846 χ^2/NDF: 23.6/22

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -280.703+/-121.126 χ^2/NDF: 18.8/28

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

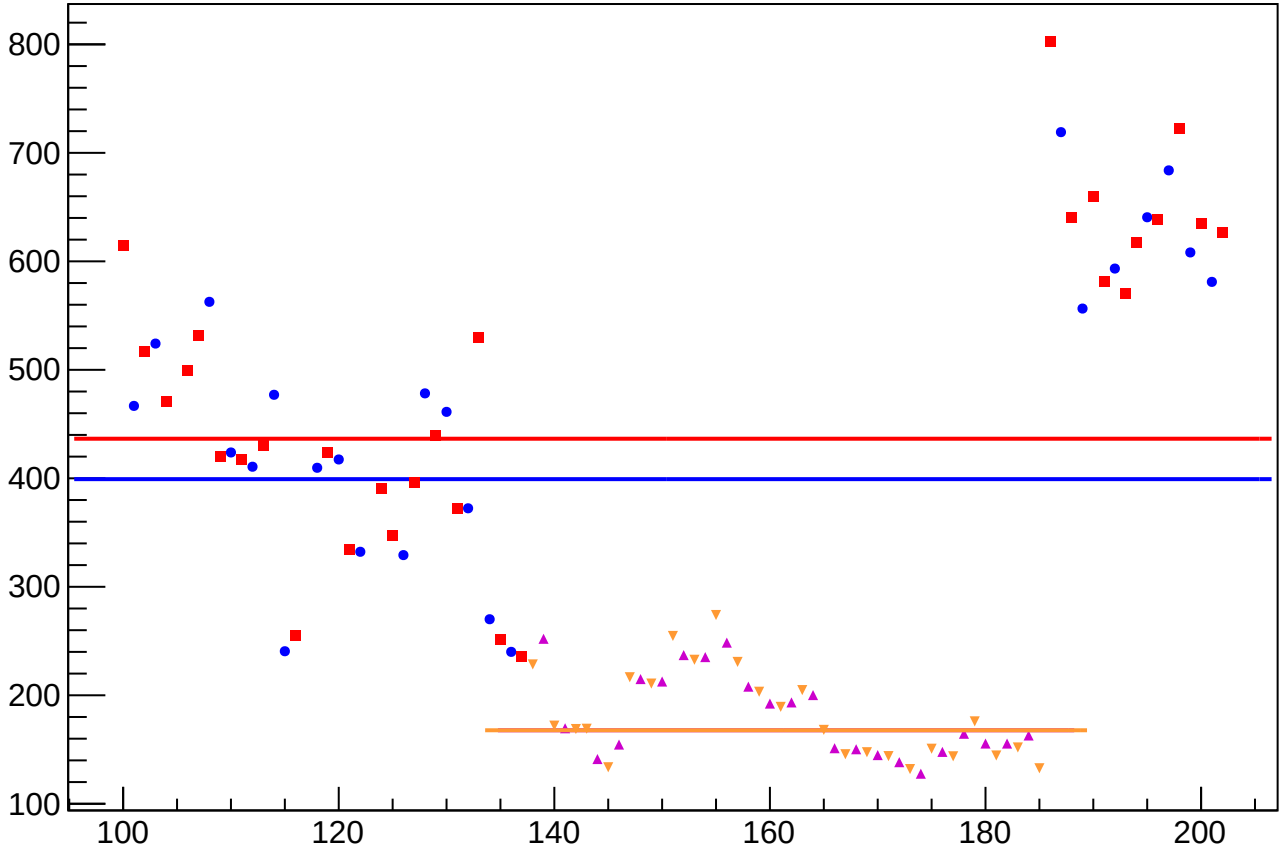
Right: -1.541+/-85.550 χ^2/NDF: 53.0/51

In: 5.218+/-38.034 χ^2/NDF:56.1/45

Out: 131.817+/-37.165 χ^2/NDF:102.8/53

All: 69.979+/-26.582 χ^2/NDF: 164.6/99

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 399.234+/-0.085 χ^2/NDF: 2628464.7/22

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 436.493+/-0.086 χ^2/NDF: 2841874.4/28

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

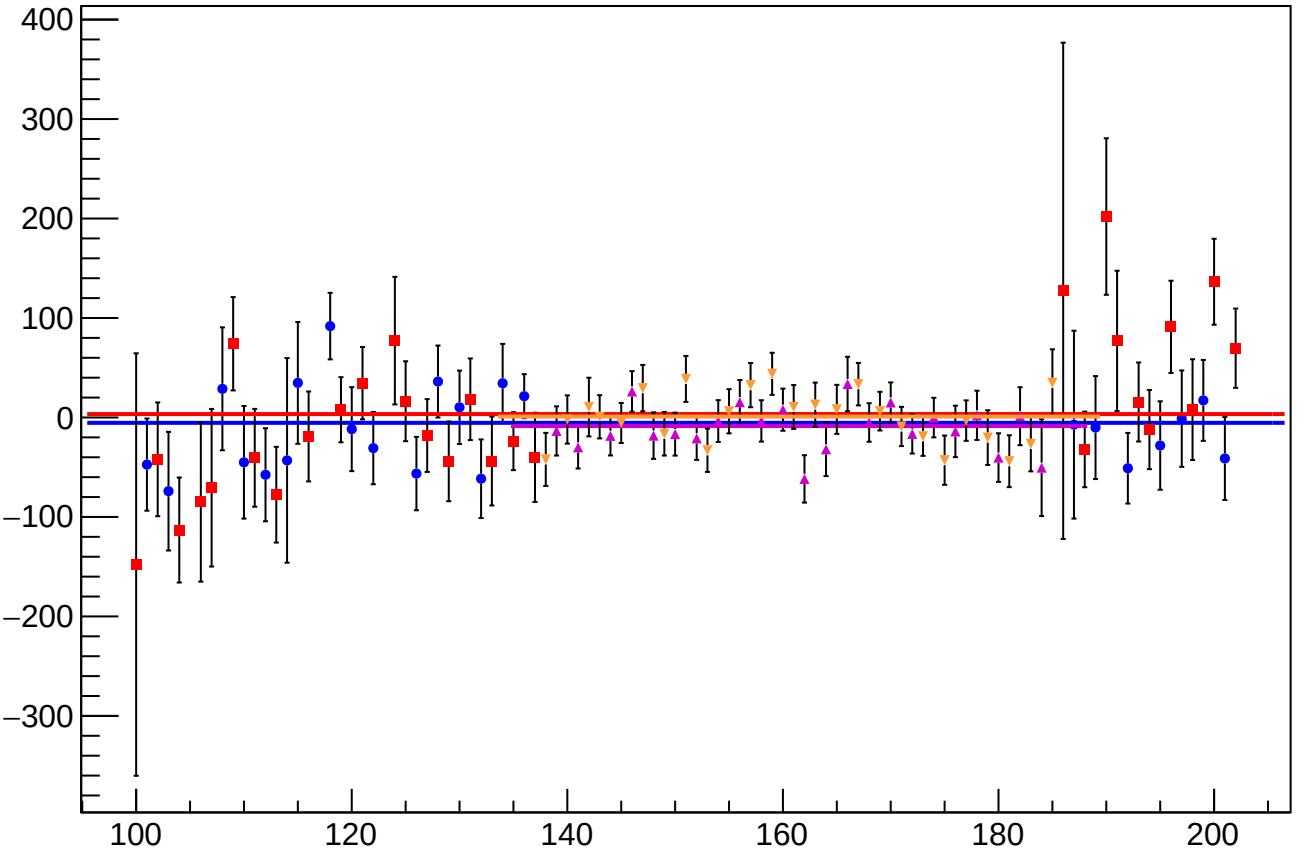
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 417.820+/-0.060 χ^2/NDF: 5565183.4/51

In: 190.678+/-0.027 χ^2/NDF:10643277.9/45

Out: 193.055+/-0.026 χ^2/NDF:13338290.9/53

All: 191.894+/-0.019 χ^2/NDF: 23985564.8/99



Right In: -5.384+/-8.672 χ^2/NDF: 24.6/22

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 3.435+/-8.500 χ^2/NDF: 45.9/28

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

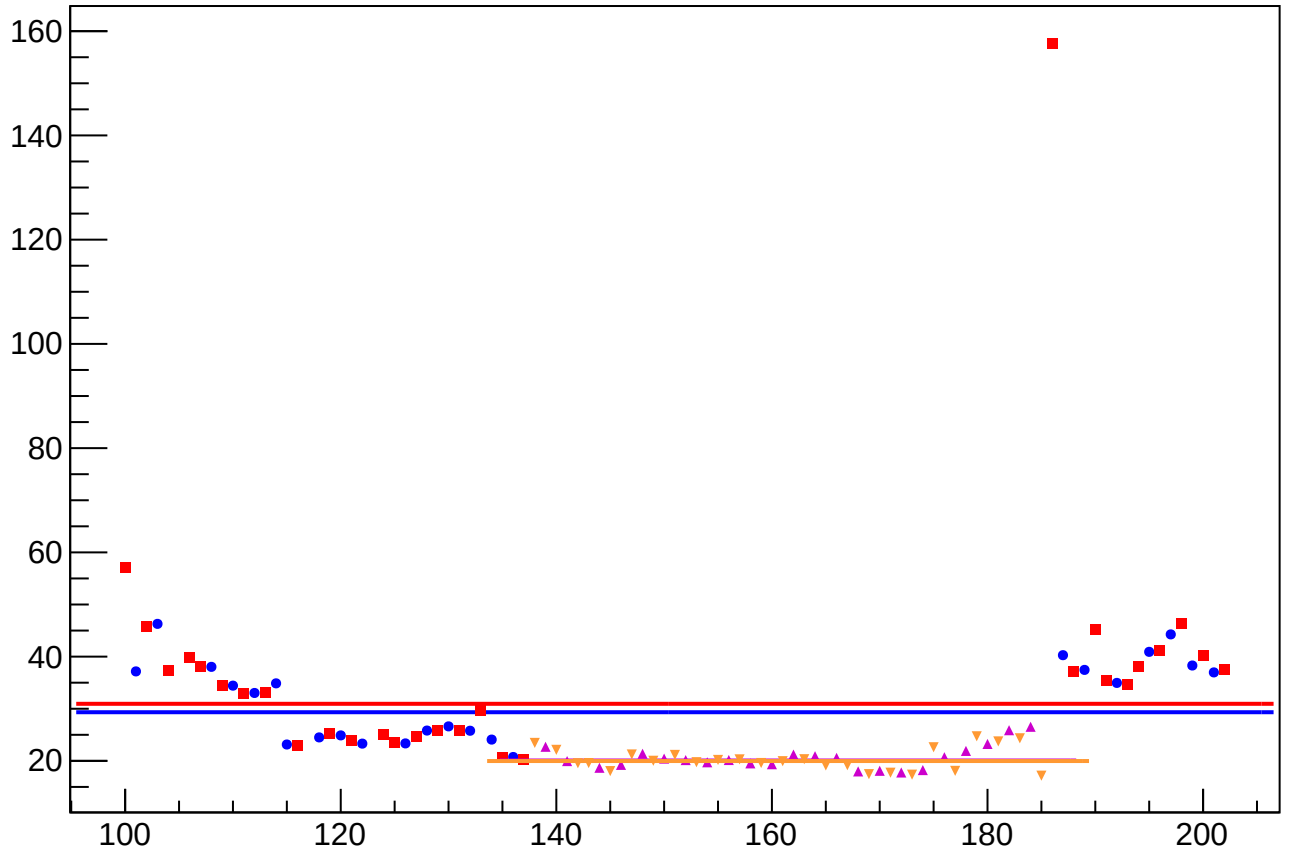
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -0.886+/-6.070 χ^2/NDF: 71.0/51

In: -7.864+/-4.148 χ^2/NDF:44.1/45

Out: 1.481+/-4.028 χ^2/NDF:75.2/53

All: -3.054+/-2.890 χ^2/NDF: 121.9/99



Right In: 29.332+/-0.006 χ^2/NDF: 1483639.4/22

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.949+/-0.006 χ^2/NDF: 2178489.5/28

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

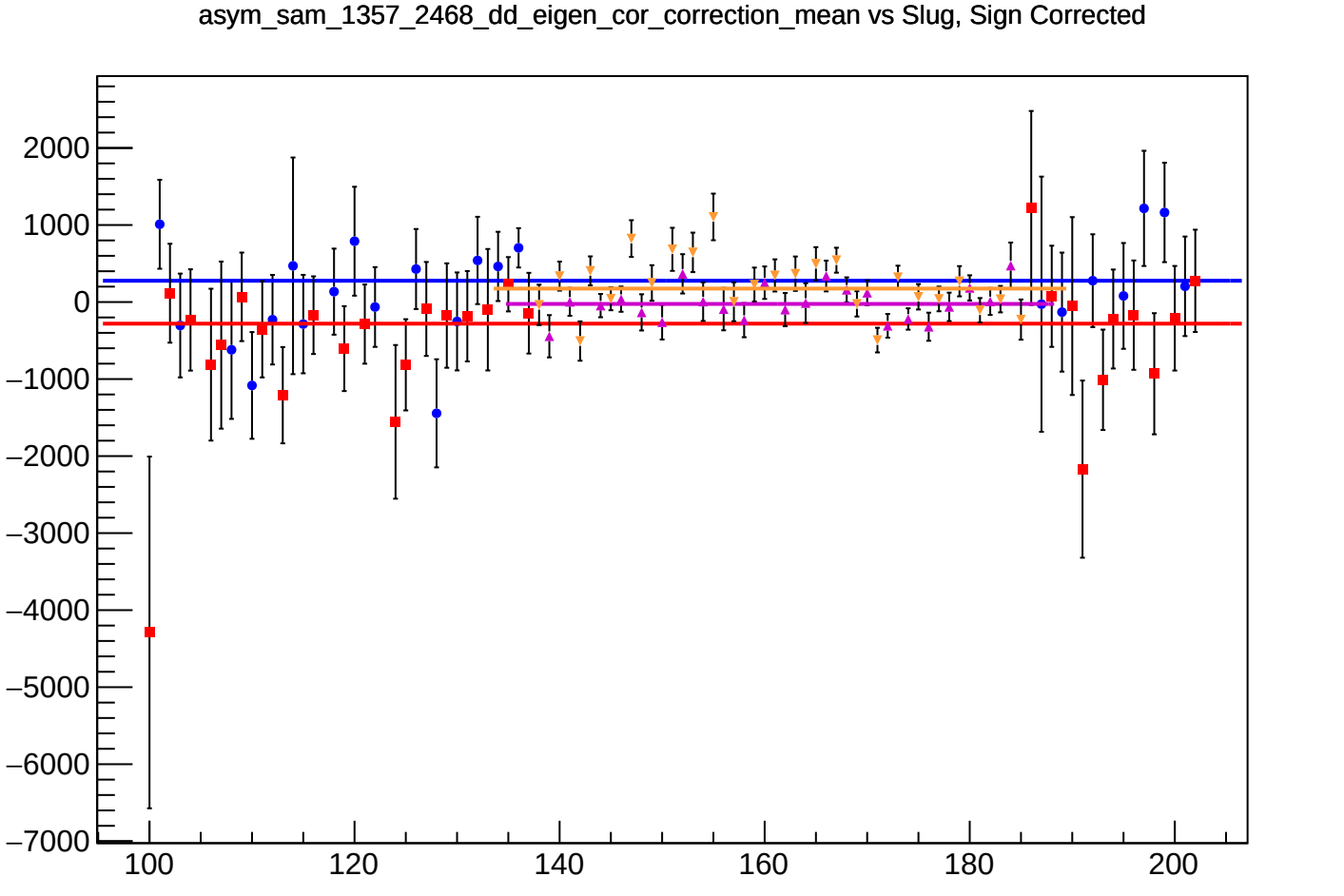
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 30.157+/-0.004 χ^2/NDF: 3697554.1/51

In: 22.191+/-0.003 χ^2/NDF:3543899.3/45

Out: 22.434+/-0.003 χ^2/NDF:5153283.5/53

All: 22.316+/-0.002 χ^2/NDF: 8700719.8/99



Right In: 276.331+/-120.846 χ^2/NDF: 23.6/22

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -280.703+/-121.126 χ^2/NDF: 18.8/28

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

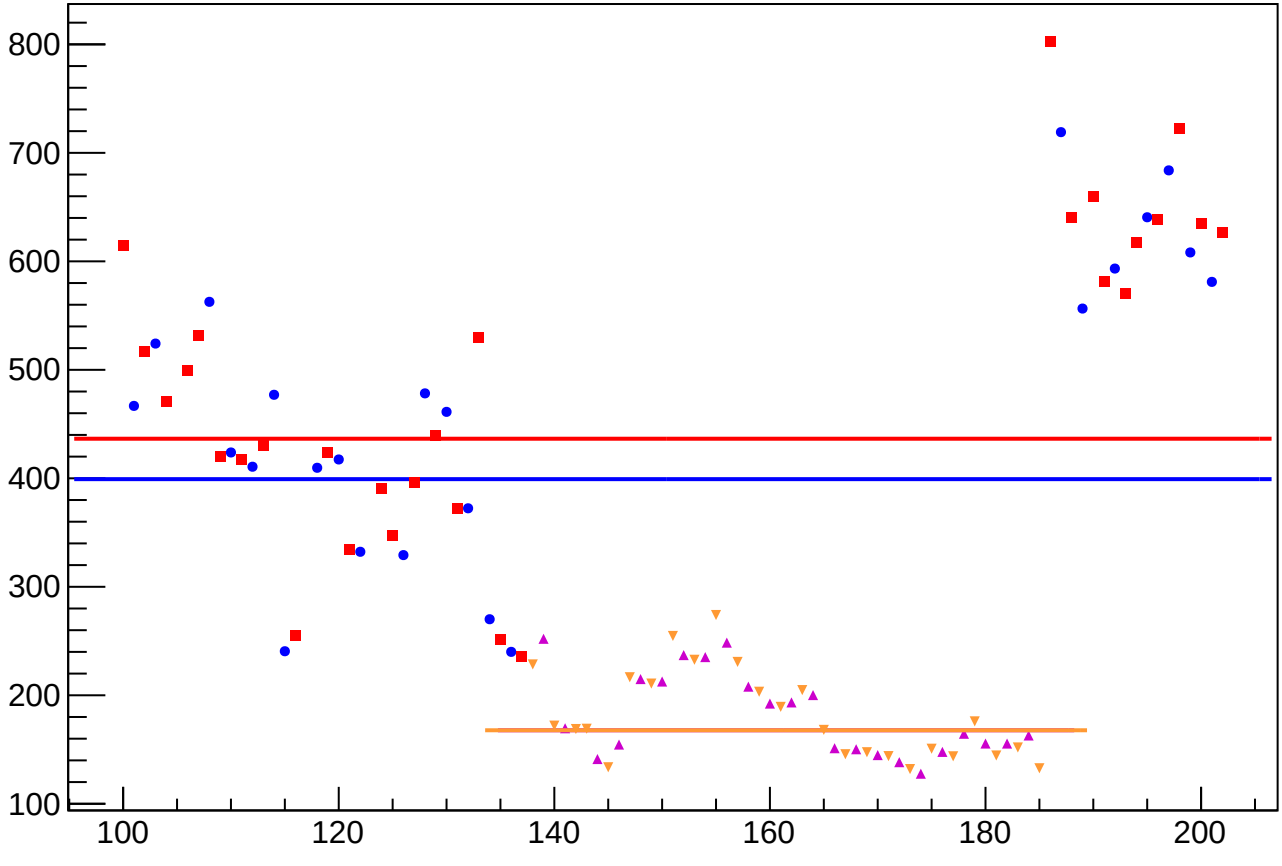
Right: -1.541+/-85.550 χ^2/NDF: 53.0/51

In: 5.218+/-38.034 χ^2/NDF:56.1/45

Out: 131.817+/-37.165 χ^2/NDF:102.8/53

All: 69.979+/-26.582 χ^2/NDF: 164.6/99

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 399.234+/-0.085 χ^2/NDF: 2628464.7/22

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 436.493+/-0.086 χ^2/NDF: 2841874.4/28

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

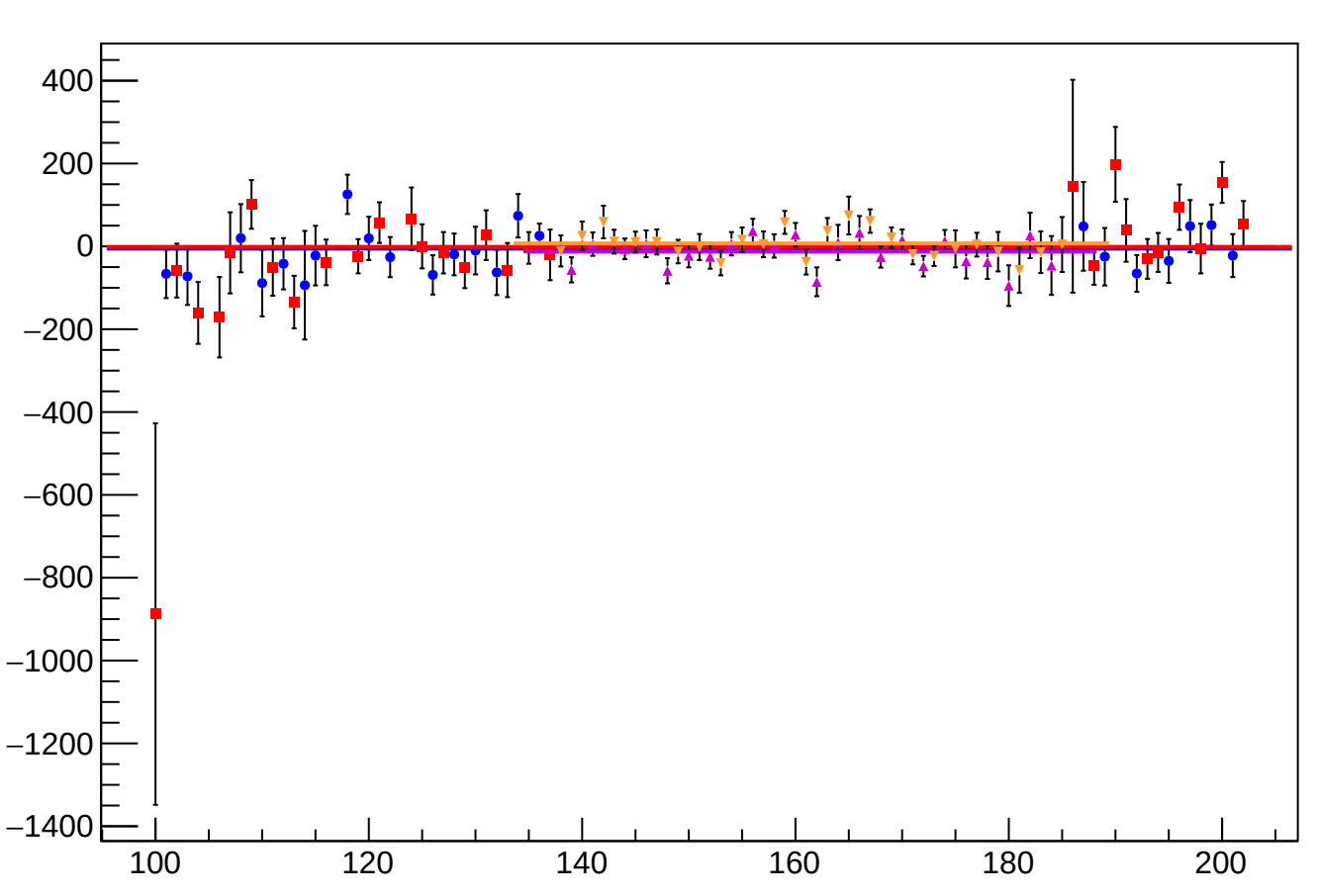
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 417.820+/-0.060 χ^2/NDF: 5565183.4/51

In: 190.678+/-0.027 χ^2/NDF:10643277.9/45

Out: 193.055+/-0.026 χ^2/NDF:13338290.9/53

All: 191.894+/-0.019 χ^2/NDF: 23985564.8/99



Right In: -5.271+/-11.352 χ^2/NDF: 23.1/22

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -1.279+/-10.836 χ^2/NDF: 46.0/28

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

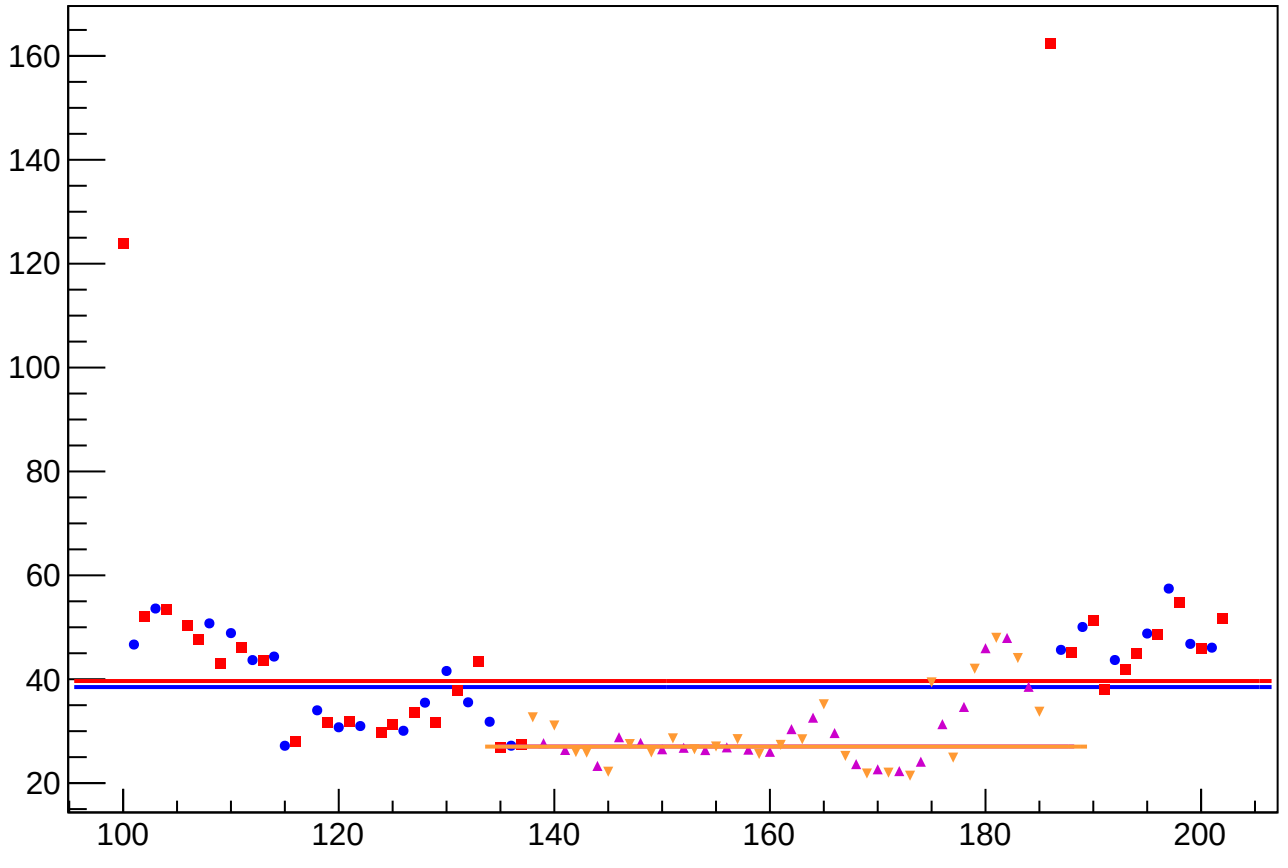
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -3.182+/-7.838 χ^2/NDF: 69.2/51

In: -10.858+/-5.650 χ^2/NDF:49.0/45

Out: 4.951+/-5.468 χ^2/NDF:69.2/53

All: -2.695+/-3.929 χ^2/NDF: 122.3/99



Right In: 38.489+/-0.008 χ^2/NDF: 1252971.8/22

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 39.654+/-0.008 χ^2/NDF: 1820341.1/28

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

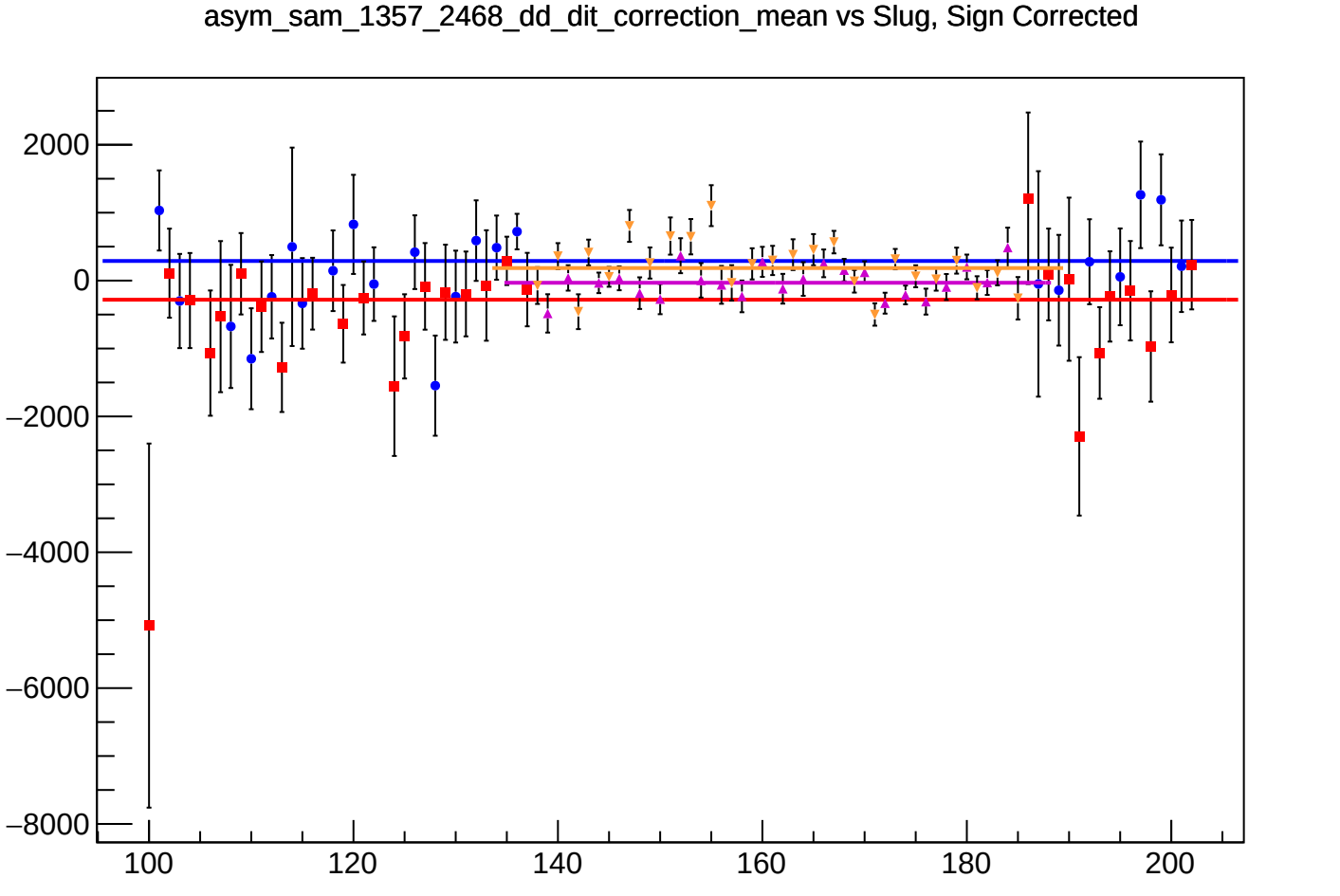
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 39.099+/-0.006 χ^2/NDF: 3084329.1/51

In: 29.885+/-0.004 χ^2/NDF:3824727.8/45

Out: 30.241+/-0.004 χ^2/NDF:5275283.8/53

All: 30.069+/-0.003 χ^2/NDF: 9104122.1/99



Right In: 288.949+/-125.718 χ^2/NDF: 23.6/22

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -281.468+/-125.171 χ^2/NDF: 20.1/28

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

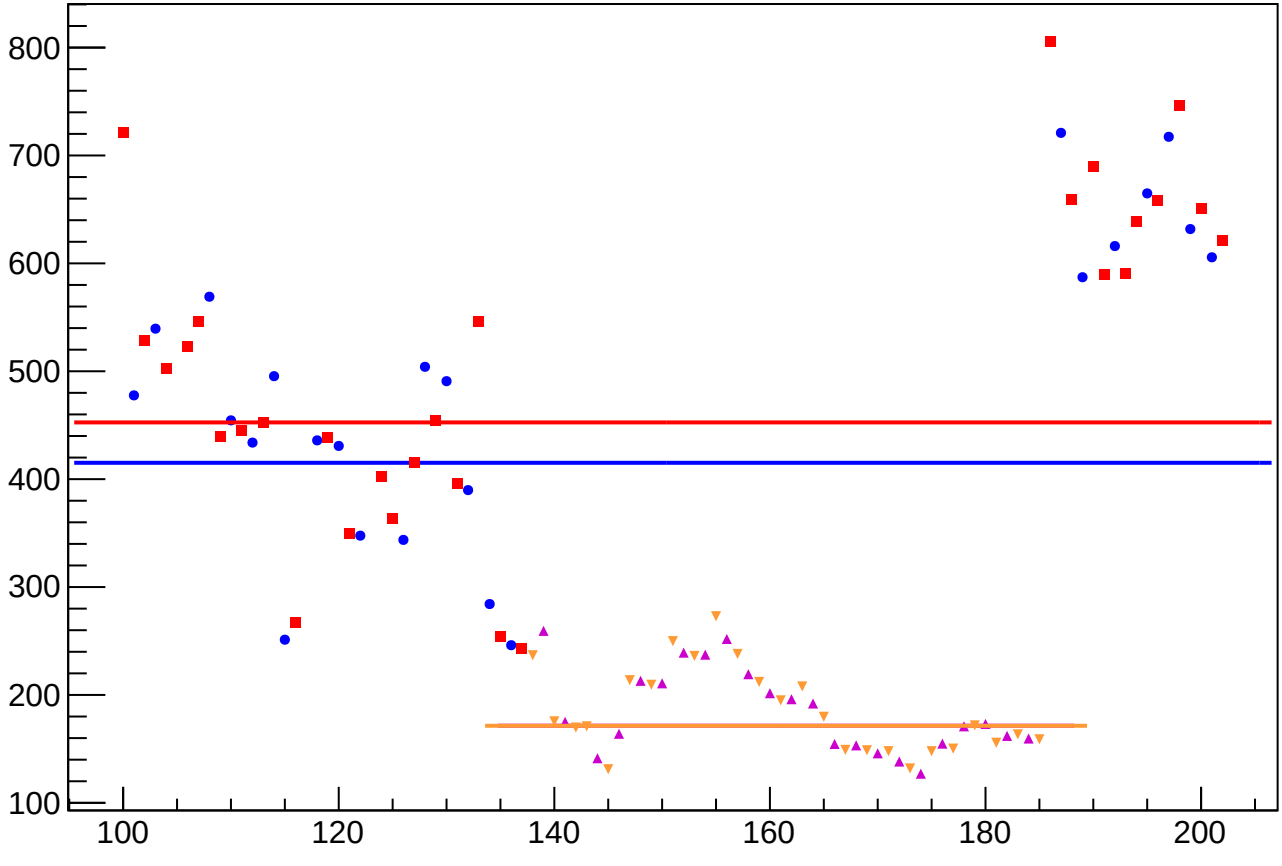
Right: 2.496+/-88.702 χ^2/NDF: 54.1/51

In: -1.082+/-38.958 χ^2/NDF:55.9/45

Out: 141.811+/-37.956 χ^2/NDF:100.4/53

All: 72.225+/-27.186 χ^2/NDF: 163.2/99

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 415.166+/-0.089 χ^2/NDF: 2668849.9/22

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 452.590+/-0.089 χ^2/NDF: 2822288.1/28

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

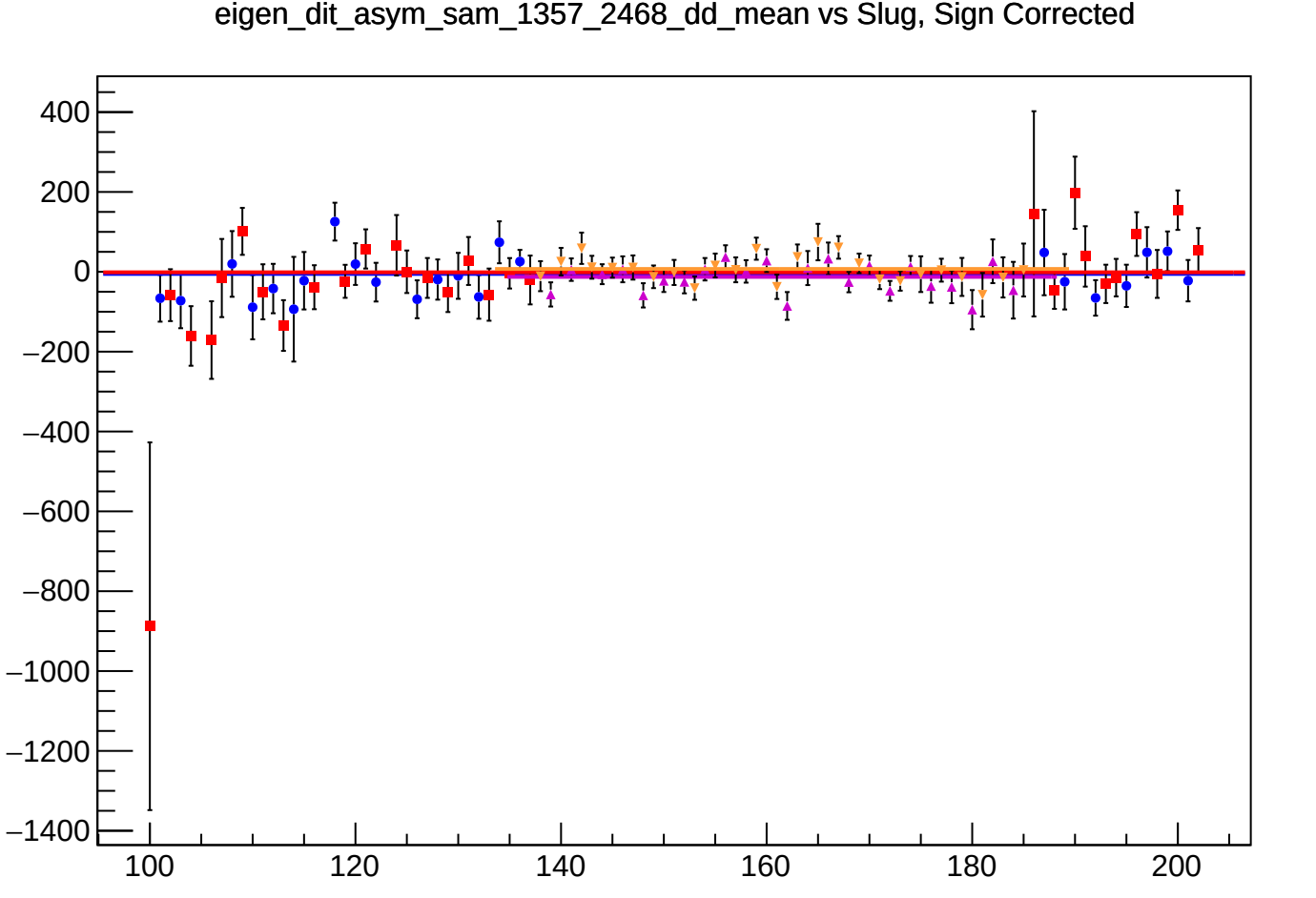
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 433.960+/-0.063 χ^2/NDF: 5580137.4/51

In: 194.890+/-0.028 χ^2/NDF:10876916.3/45

Out: 197.281+/-0.027 χ^2/NDF:13512410.8/53

All: 196.116+/-0.019 χ^2/NDF: 24393192.4/99



Right In: -5.272+/-11.352 χ^2/NDF: 23.1/22

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -1.279+/-10.836 χ^2/NDF: 46.0/28

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

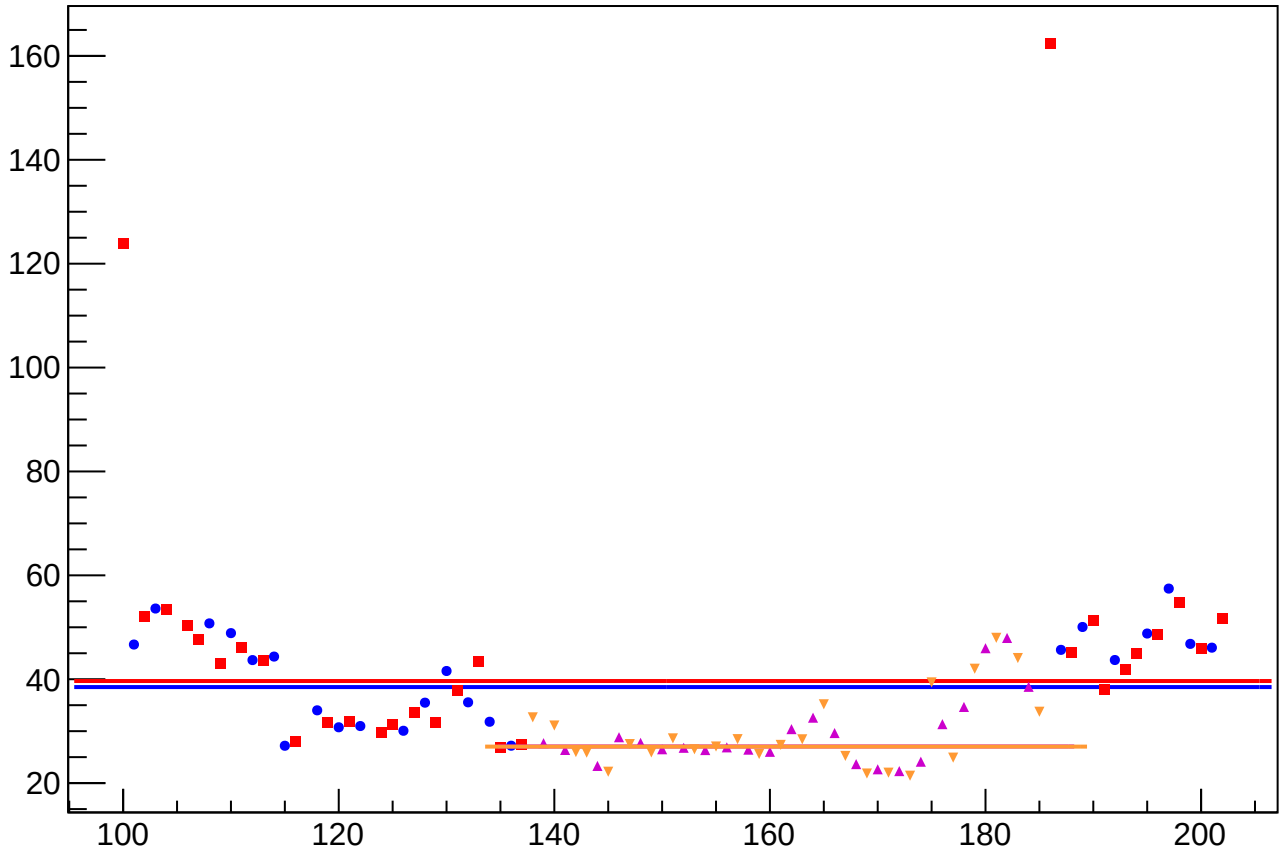
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -3.183+/-7.838 χ^2/NDF: 69.2/51

In: -10.858+/-5.650 χ^2/NDF:49.0/45

Out: 4.951+/-5.468 χ^2/NDF:69.2/53

All: -2.695+/-3.929 χ^2/NDF: 122.3/99



Right In: 38.489+/-0.008 χ^2/NDF: 1252977.0/22

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 39.654+/-0.008 χ^2/NDF: 1820374.2/28

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

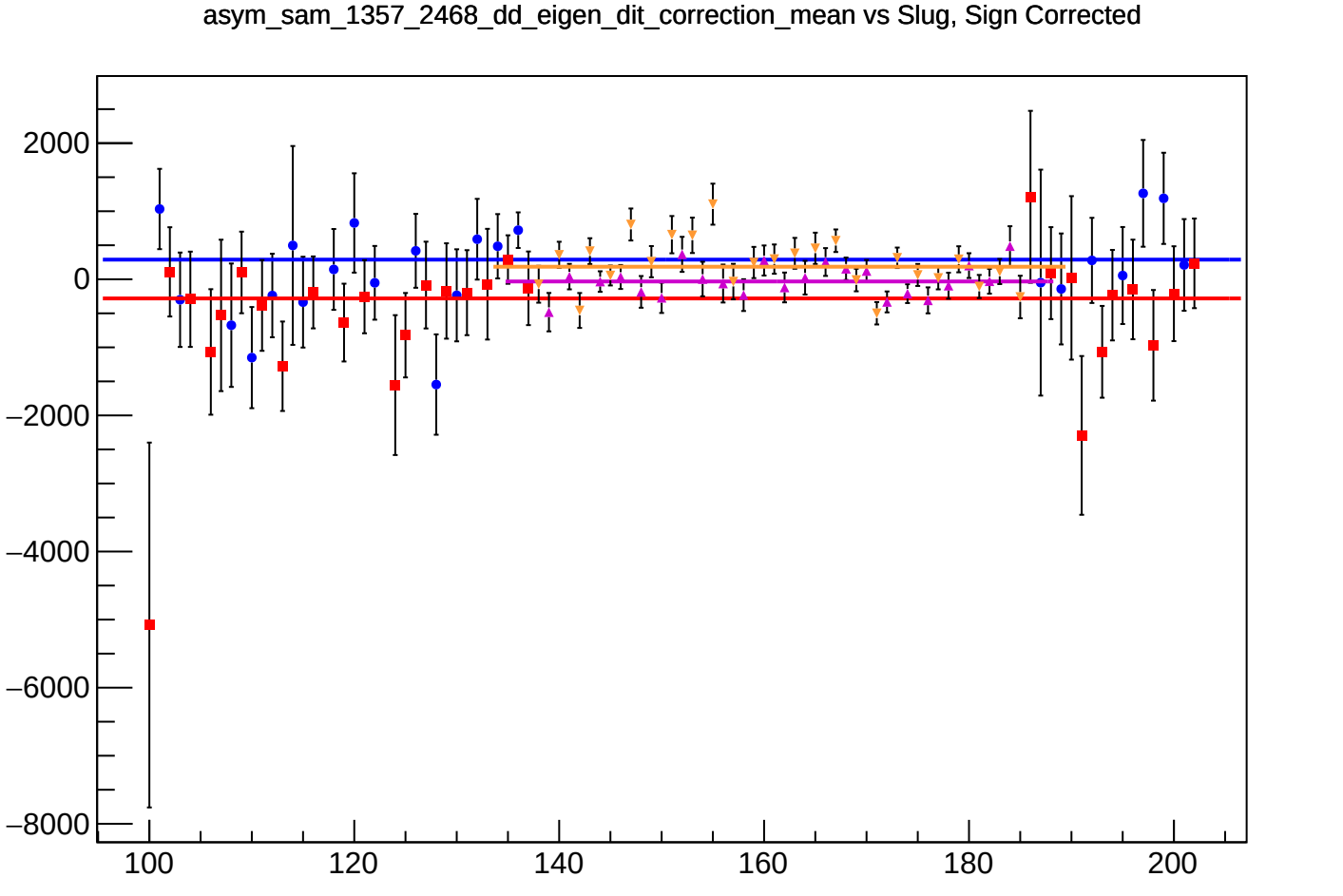
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 39.098+/-0.006 χ^2/NDF: 3084369.5/51

In: 29.885+/-0.004 χ^2/NDF:3824604.3/45

Out: 30.241+/-0.004 χ^2/NDF:5275212.8/53

All: 30.069+/-0.003 χ^2/NDF: 9103928.5/99



Right In: 288.947+/-125.718 χ^2/NDF: 23.6/22

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -281.468+/-125.170 χ^2/NDF: 20.1/28

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

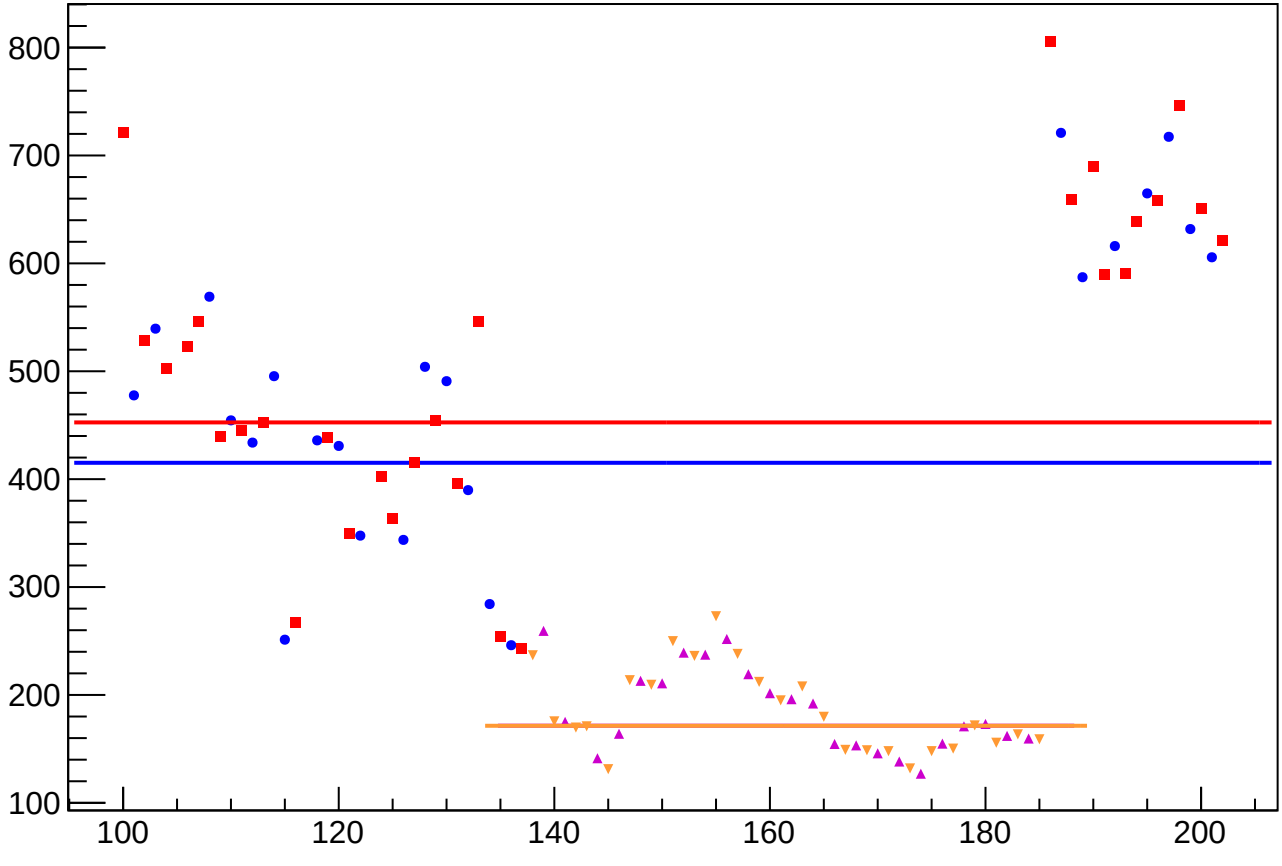
Right: 2.495+/-88.702 χ^2/NDF: 54.1/51

In: -1.082+/-38.958 χ^2/NDF:55.9/45

Out: 141.811+/-37.956 χ^2/NDF:100.4/53

All: 72.225+/-27.186 χ^2/NDF: 163.2/99

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 415.165+/-0.089 χ^2/NDF: 2668854.4/22

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 452.589+/-0.089 χ^2/NDF: 2822299.4/28

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

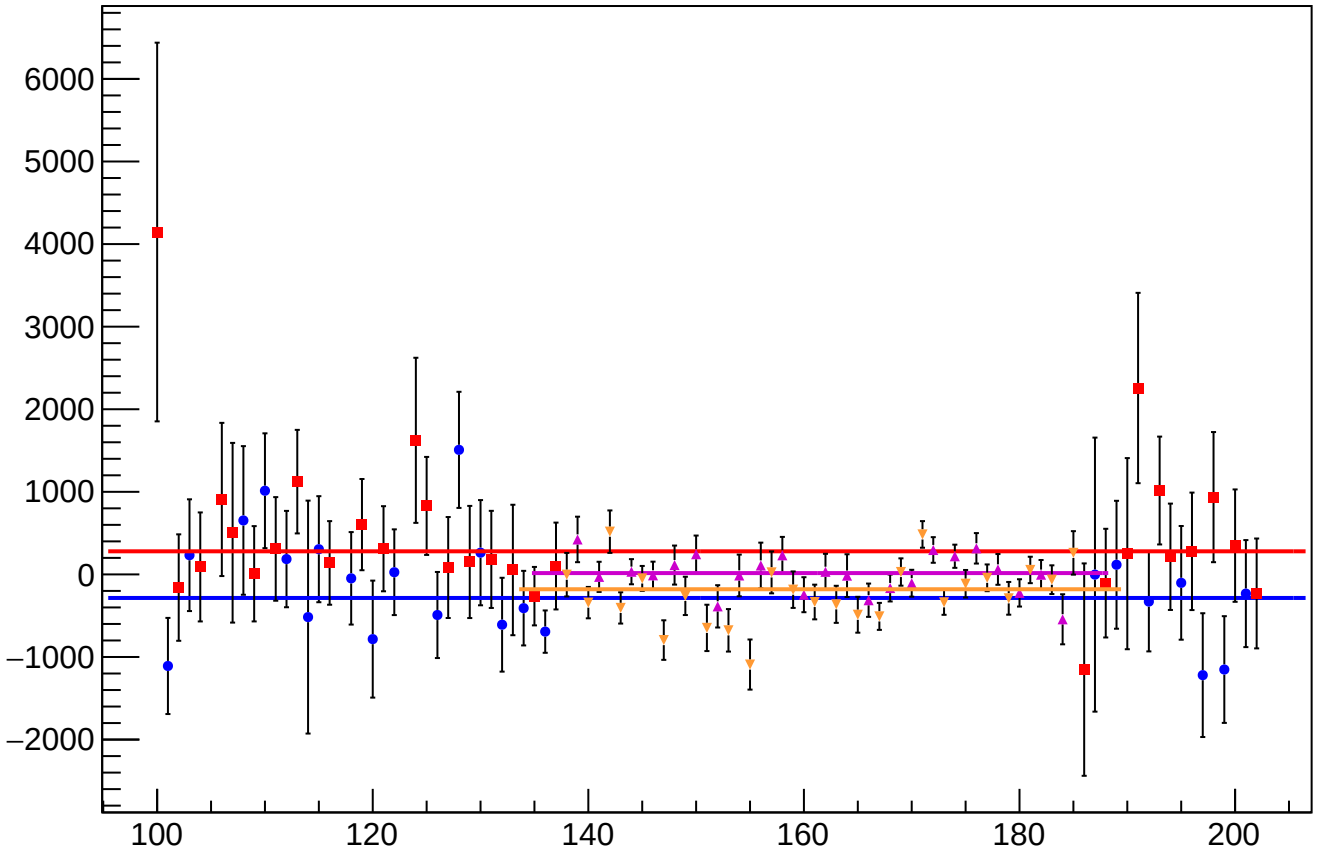
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 433.959+/-0.063 χ^2/NDF: 5580153.6/51

In: 194.889+/-0.028 χ^2/NDF:10876947.1/45

Out: 197.280+/-0.027 χ^2/NDF:13512449.5/53

All: 196.116+/-0.019 χ^2/NDF: 24393262.2/99



Right In: -285.204+/-121.242 χ^2/NDF: 23.8/22

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 279.674+/-121.359 χ^2/NDF: 18.8/28

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

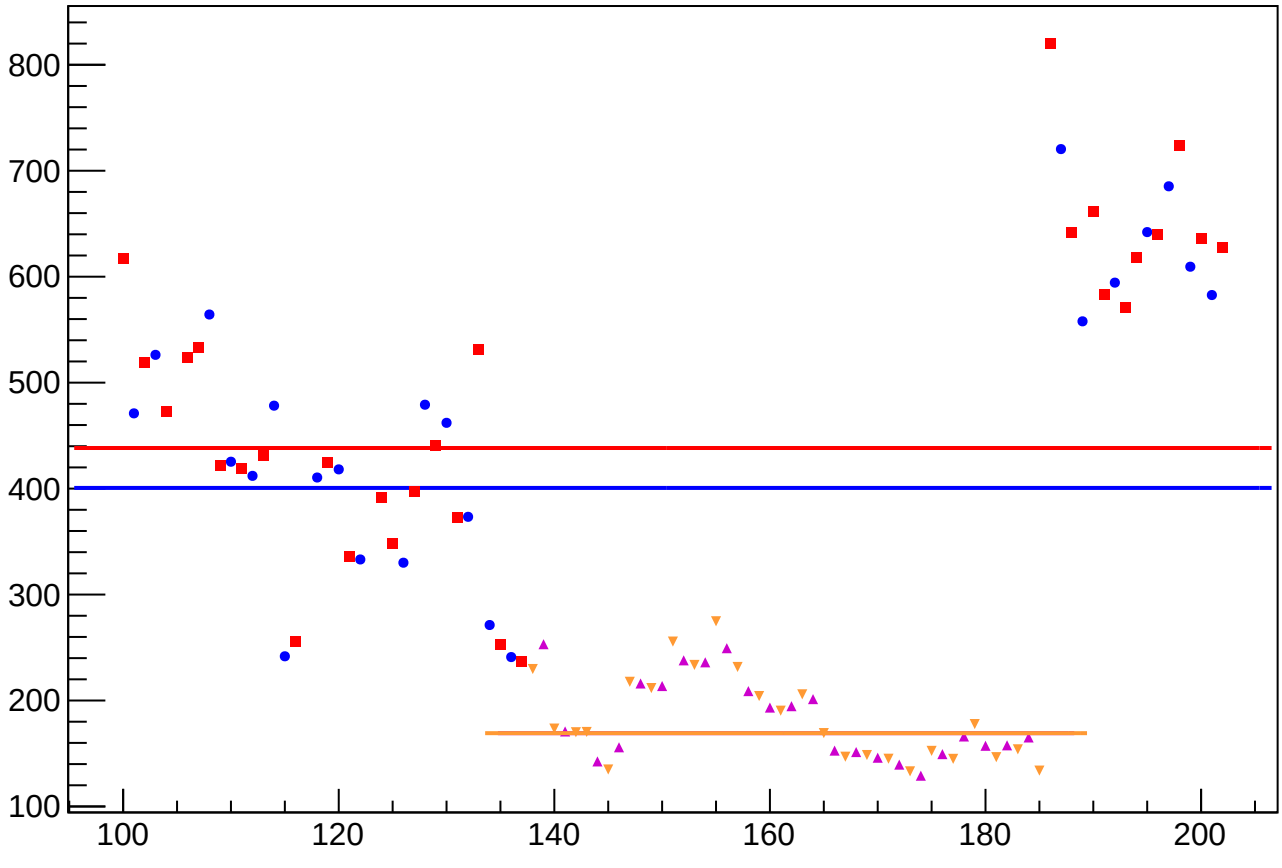
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -3.037+/-85.772 χ^2/NDF: 53.5/51

In: -14.045+/-38.325 χ^2/NDF:56.0/45

Out: -135.931+/-37.443 χ^2/NDF:98.9/53

All: -76.406+/-26.783 χ^2/NDF: 160.0/99



Right In: 400.643+/-0.086 χ^2/NDF: 2620432.6/22

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 438.320+/-0.086 χ^2/NDF: 2850122.1/28

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

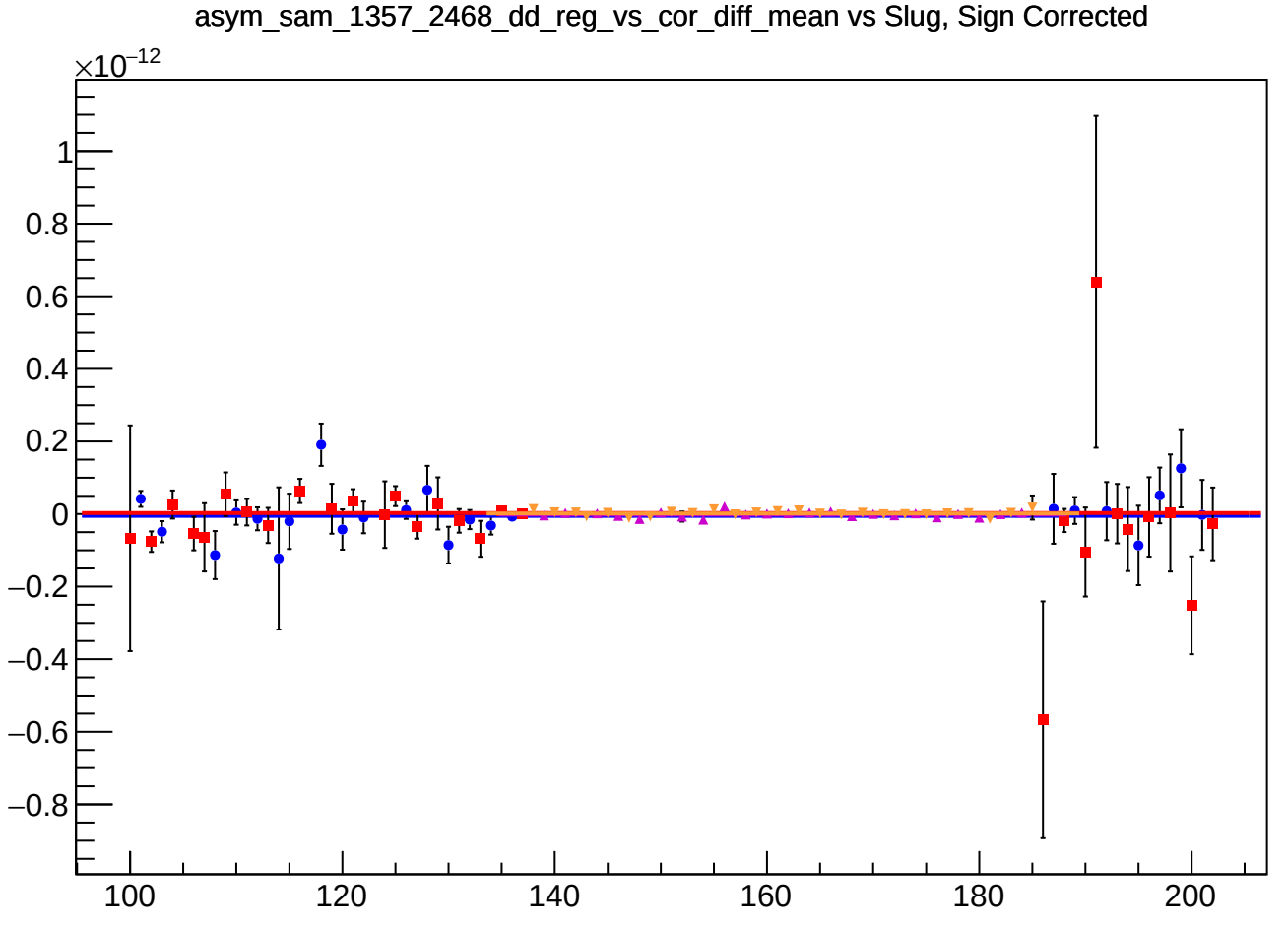
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 419.463+/-0.061 χ^2/NDF: 5567030.3/51

In: 192.314+/-0.027 χ^2/NDF:10555466.1/45

Out: 194.802+/-0.026 χ^2/NDF:13297961.9/53

All: 193.587+/-0.019 χ^2/NDF: 23857738.0/99



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/28

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

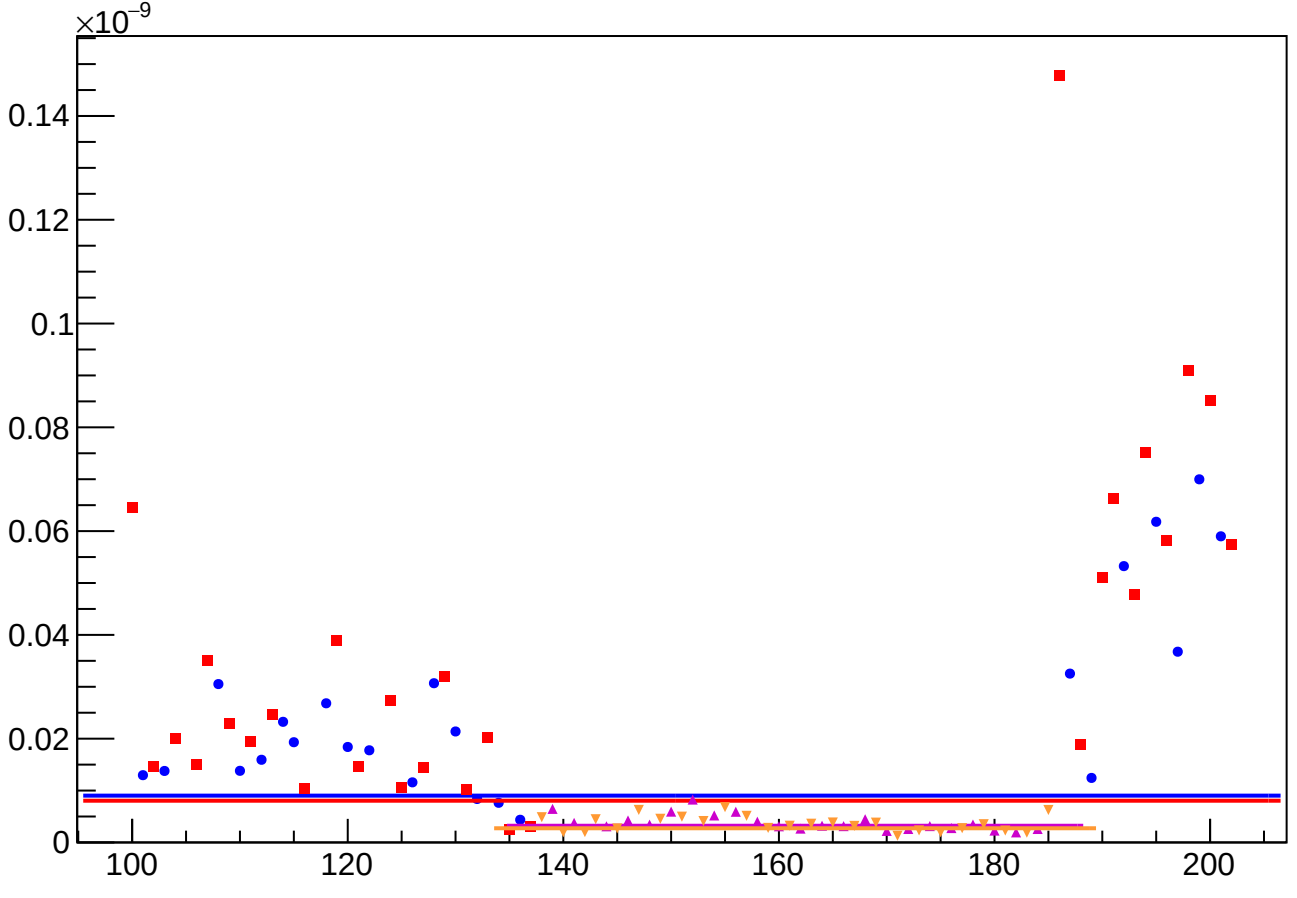
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 64.1/51

In: -0.000+/-0.000 χ^2/NDF:50.2/45

Out: 0.000+/-0.000 χ^2/NDF:51.9/53

All: 0.000+/-0.000 χ^2/NDF: 105.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 4665333.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7596924.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

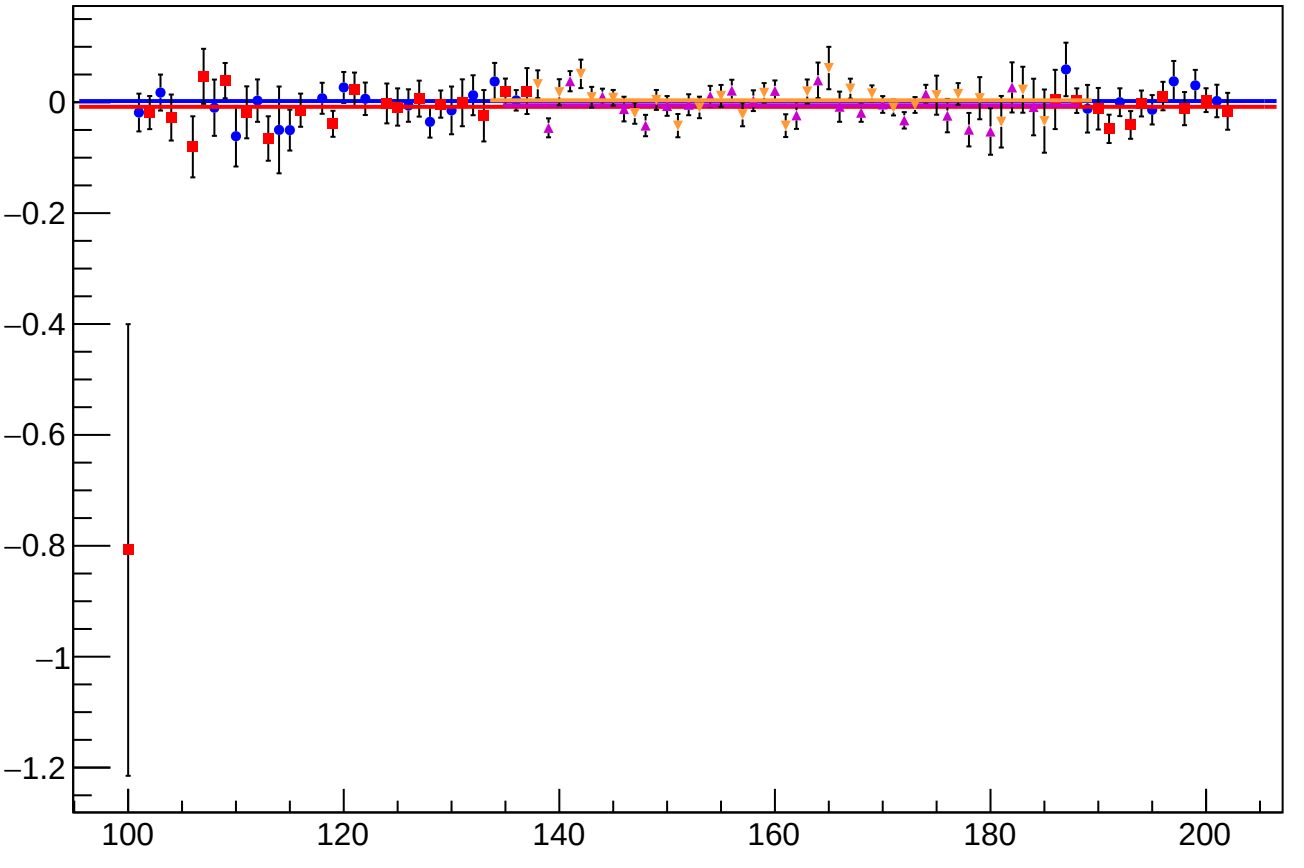
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12293966.7/51

In: 0.000+/-0.000 χ^2/NDF:8081156.1/45

Out: 0.000+/-0.000 χ^2/NDF:11349970.3/53

All: 0.000+/-0.000 χ^2/NDF: 19646604.8/99



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

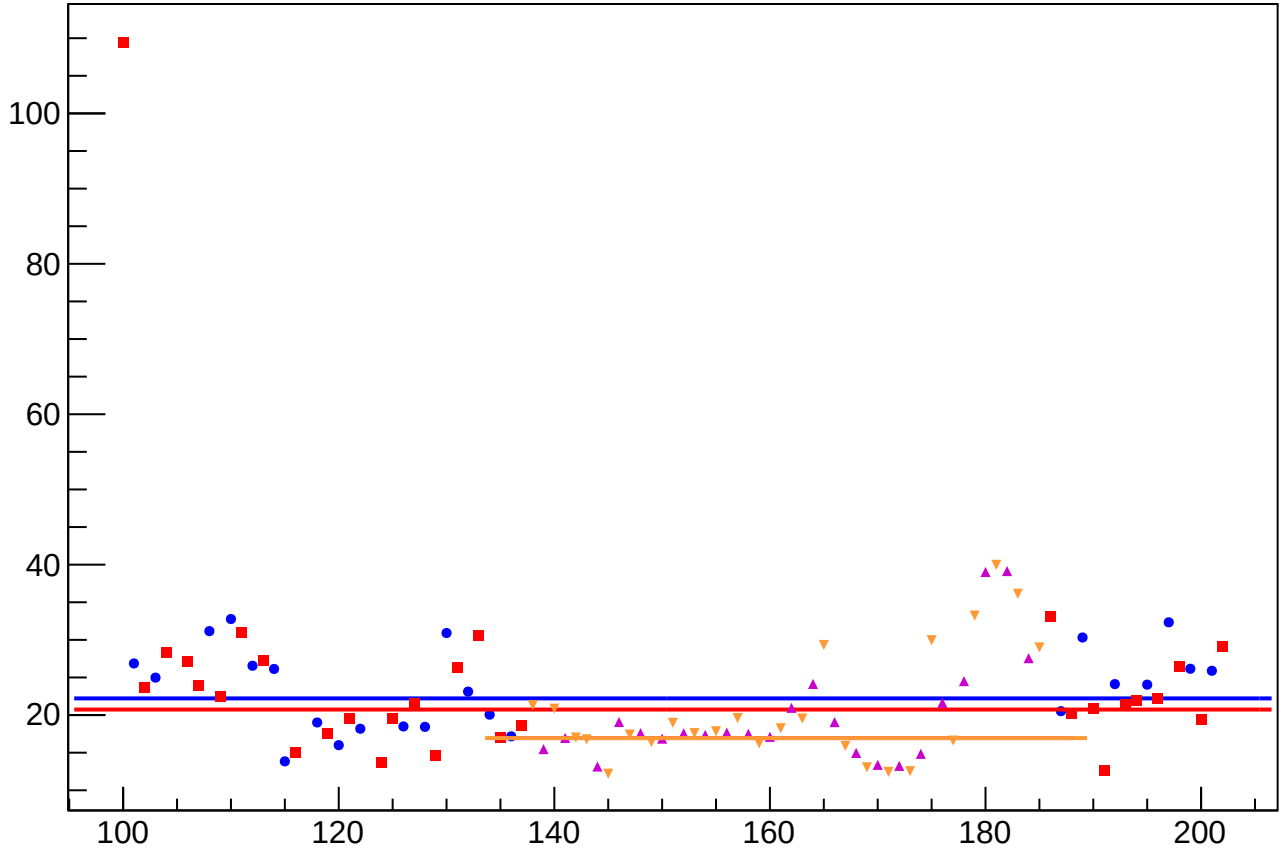
Right: -0.004+/-0.004 χ^2/NDF: 35.4/51

In: -0.003+/-0.004 χ^2/NDF:46.4/45

Out: -0.000+/-0.003 χ^2/NDF:51.5/53

All: -0.002+/-0.002 χ^2/NDF: 98.2/99

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.218+/-0.005 χ^2/NDF: 1112079.1/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.734+/-0.004 χ^2/NDF: 1402185.9/28

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

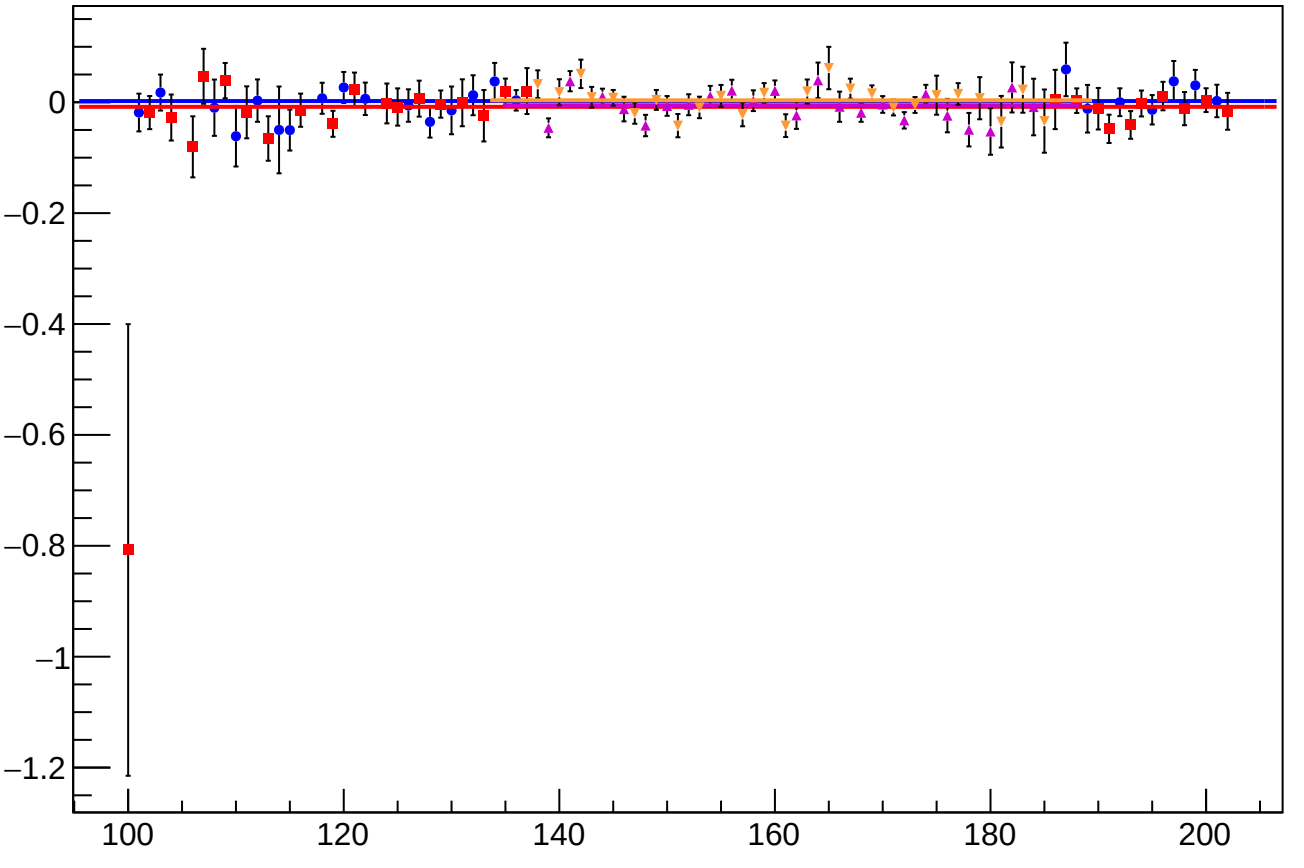
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 21.373+/-0.003 χ^2/NDF: 2570803.6/51

In: 18.440+/-0.003 χ^2/NDF:3952968.3/45

Out: 18.203+/-0.002 χ^2/NDF:4812713.2/53

All: 18.314+/-0.002 χ^2/NDF: 8770390.0/99



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

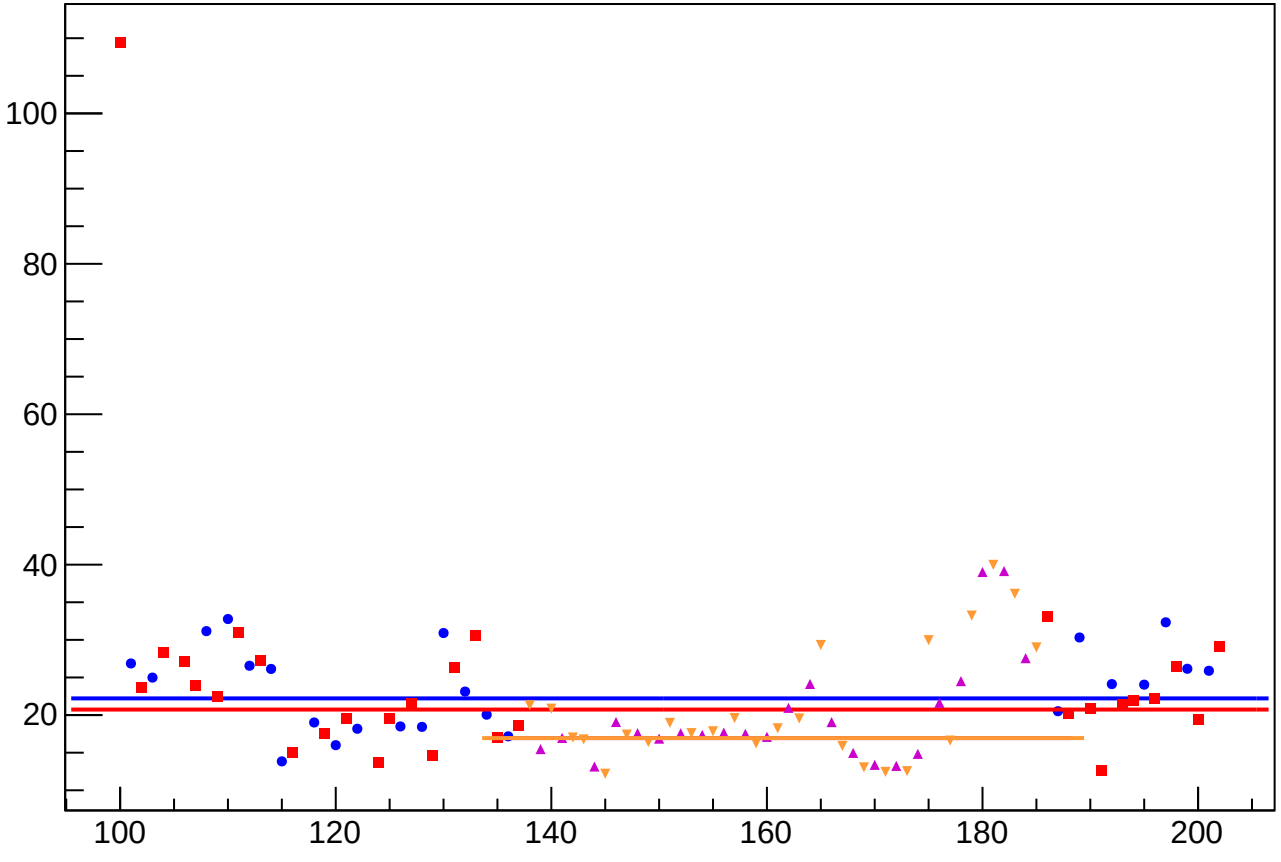
Right: -0.004+/-0.004 χ^2/NDF: 35.4/51

In: -0.003+/-0.004 χ^2/NDF:46.4/45

Out: -0.000+/-0.003 χ^2/NDF:51.5/53

All: -0.002+/-0.002 χ^2/NDF: 98.2/99

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.218+/-0.005 χ^2/NDF: 1112079.1/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.734+/-0.004 χ^2/NDF: 1402185.9/28

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

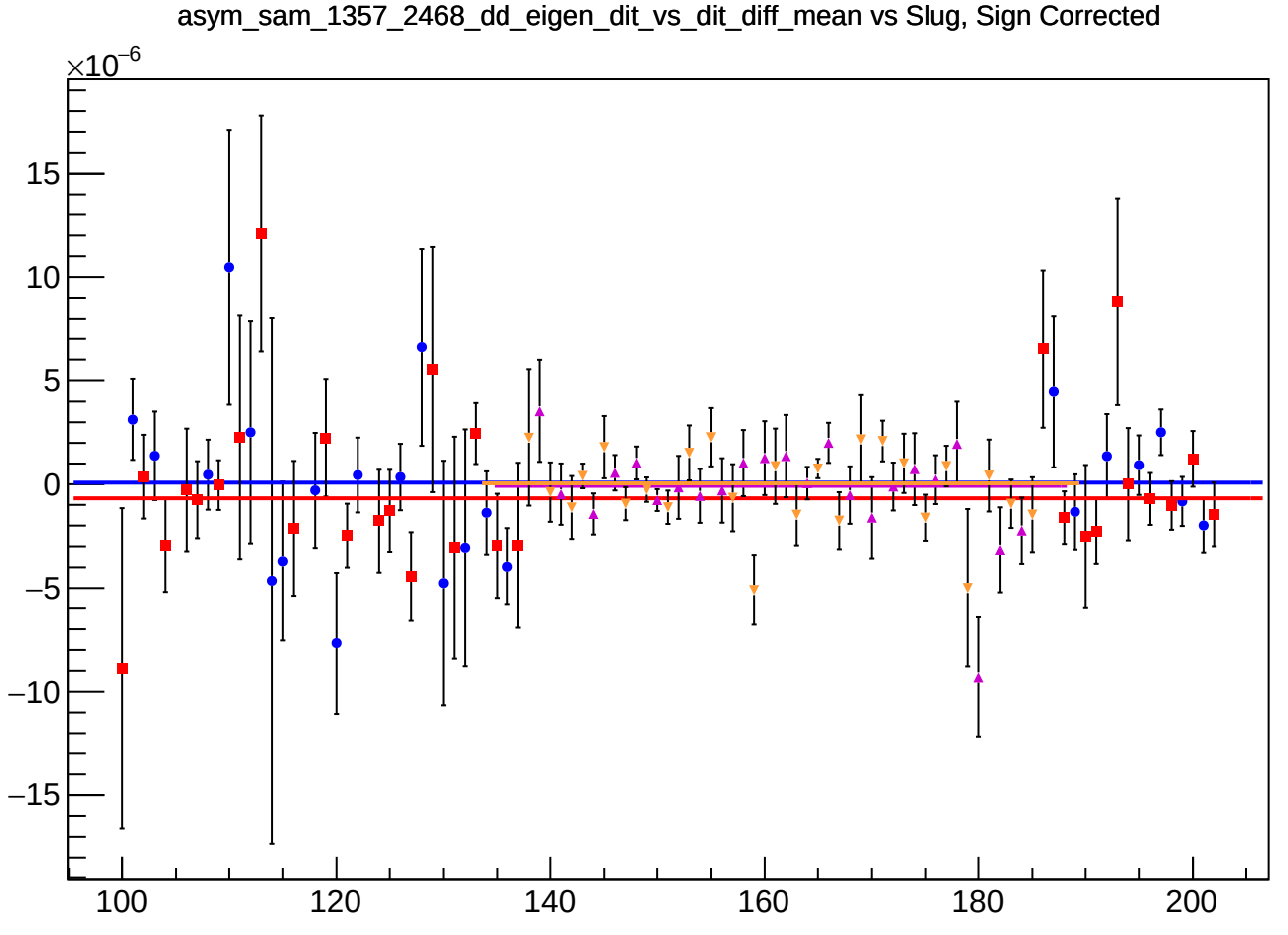
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 21.373+/-0.003 χ^2/NDF: 2570803.6/51

In: 18.440+/-0.003 χ^2/NDF:3952968.3/45

Out: 18.203+/-0.002 χ^2/NDF:4812713.2/53

All: 18.314+/-0.002 χ^2/NDF: 8770390.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/28

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

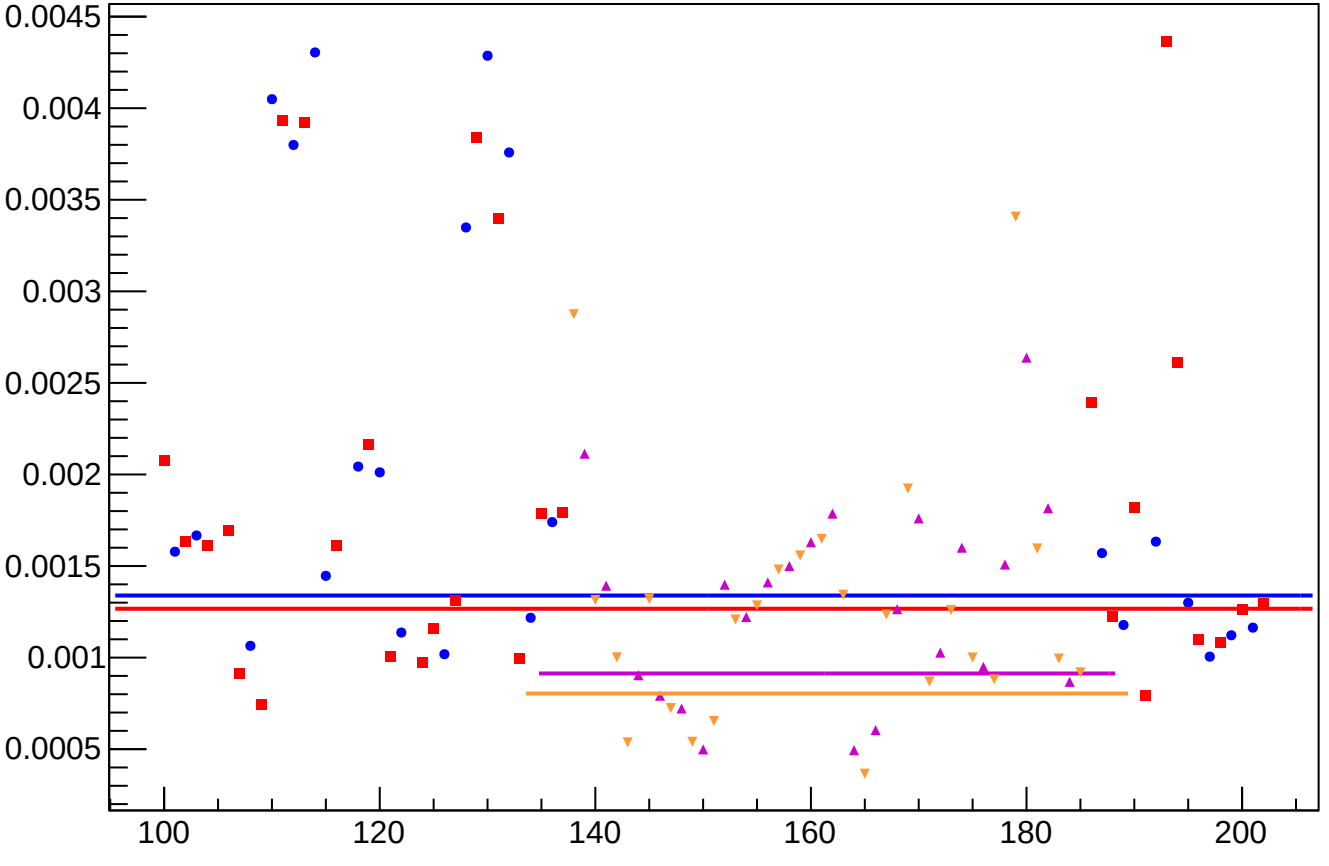
Right: -0.000+/-0.000 χ^2/NDF: 65.3/51

In: -0.000+/-0.000 χ^2/NDF:62.0/45

Out: -0.000+/-0.000 χ^2/NDF:72.6/53

All: -0.000+/-0.000 χ^2/NDF: 134.7/99

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2976638.0/22

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4430748.9/28

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

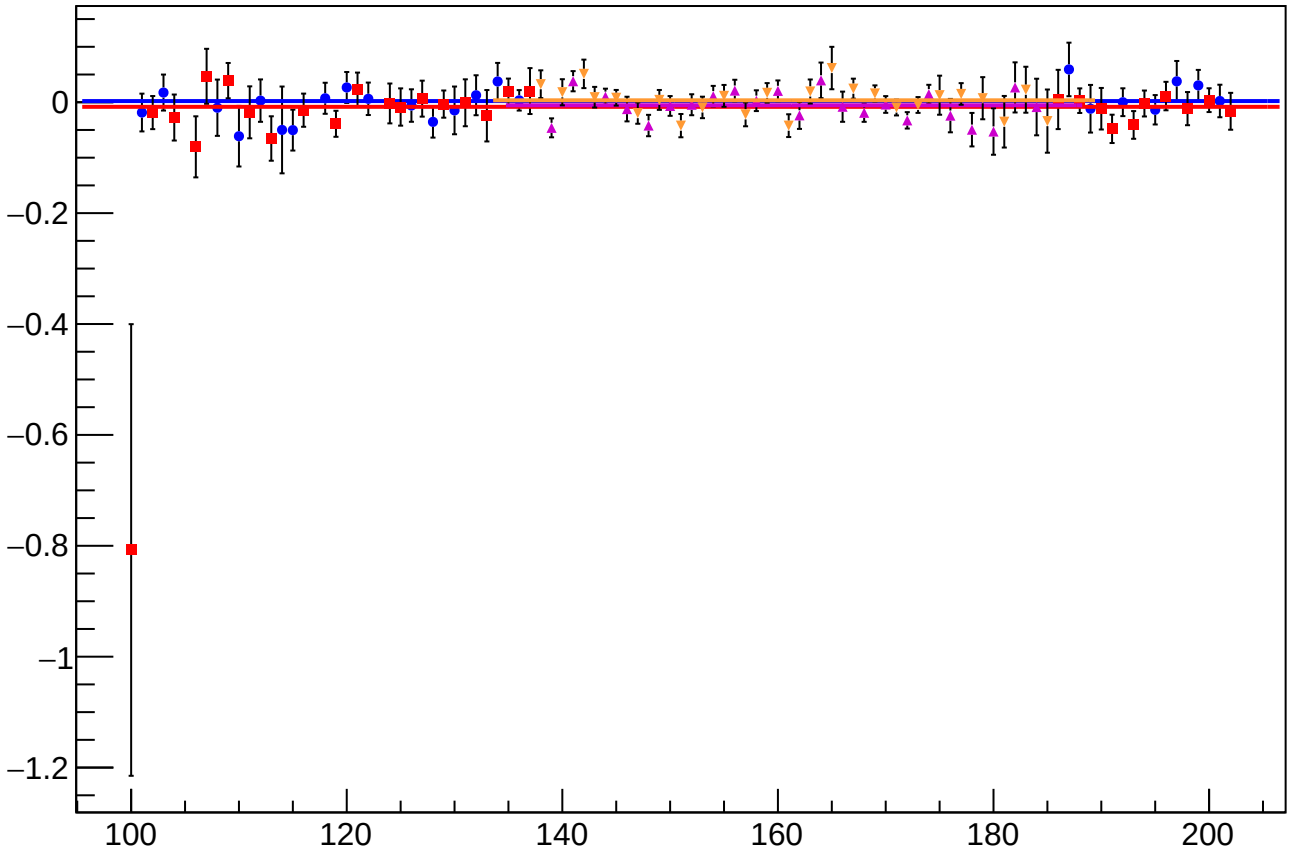
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 7440909.3/51

In: 0.001+/-0.000 χ^2/NDF:10971612.4/45

Out: 0.001+/-0.000 χ^2/NDF:15069936.3/53

All: 0.001+/-0.000 χ^2/NDF: 26328658.6/99



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

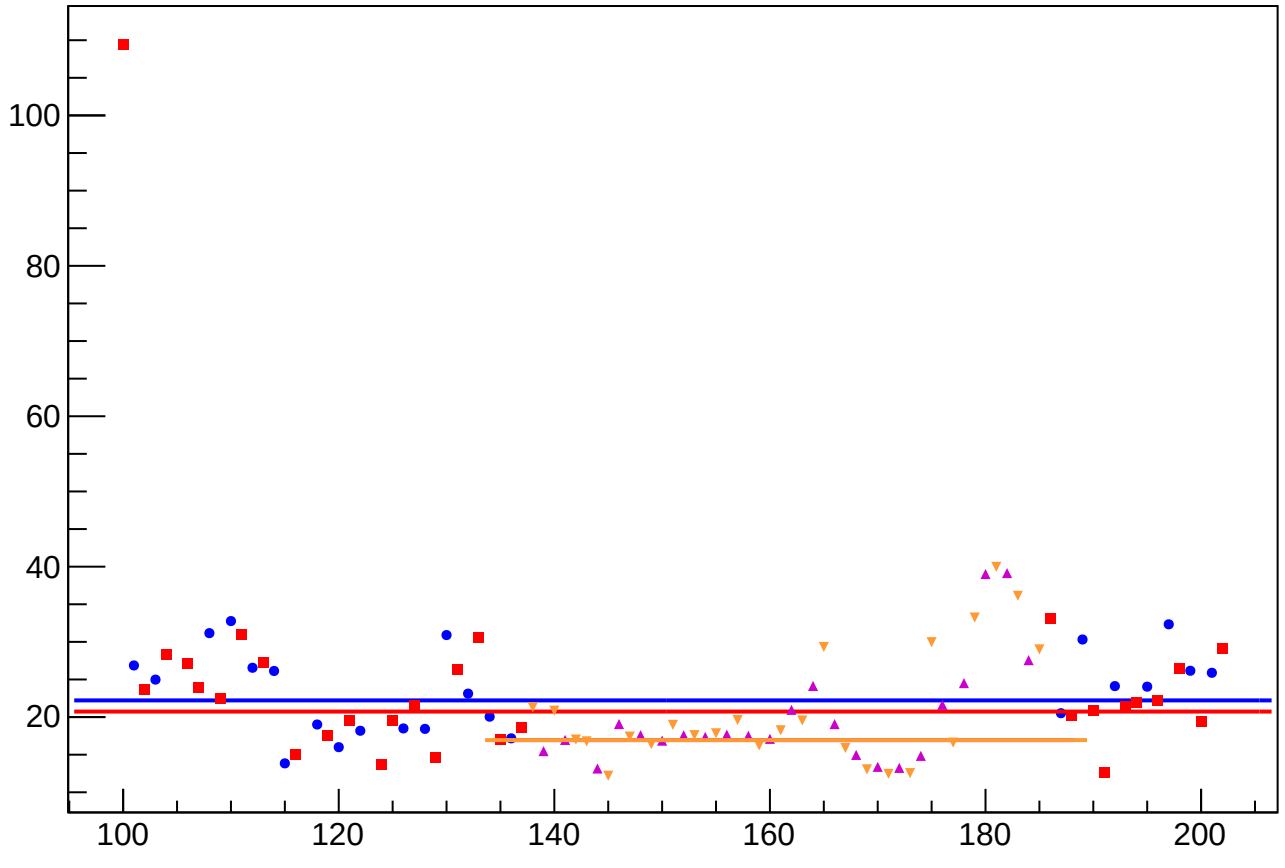
Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

Right: -0.004+/-0.004 χ^2/NDF: 35.4/51

In: -0.003+/-0.004 χ^2/NDF:46.4/45

Out: -0.000+/-0.003 χ^2/NDF:51.5/53

All: -0.002+/-0.002 χ^2/NDF: 98.2/99



Right In: 22.217+/-0.005 χ^2/NDF: 1112047.4/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.734+/-0.004 χ^2/NDF: 1402234.8/28

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

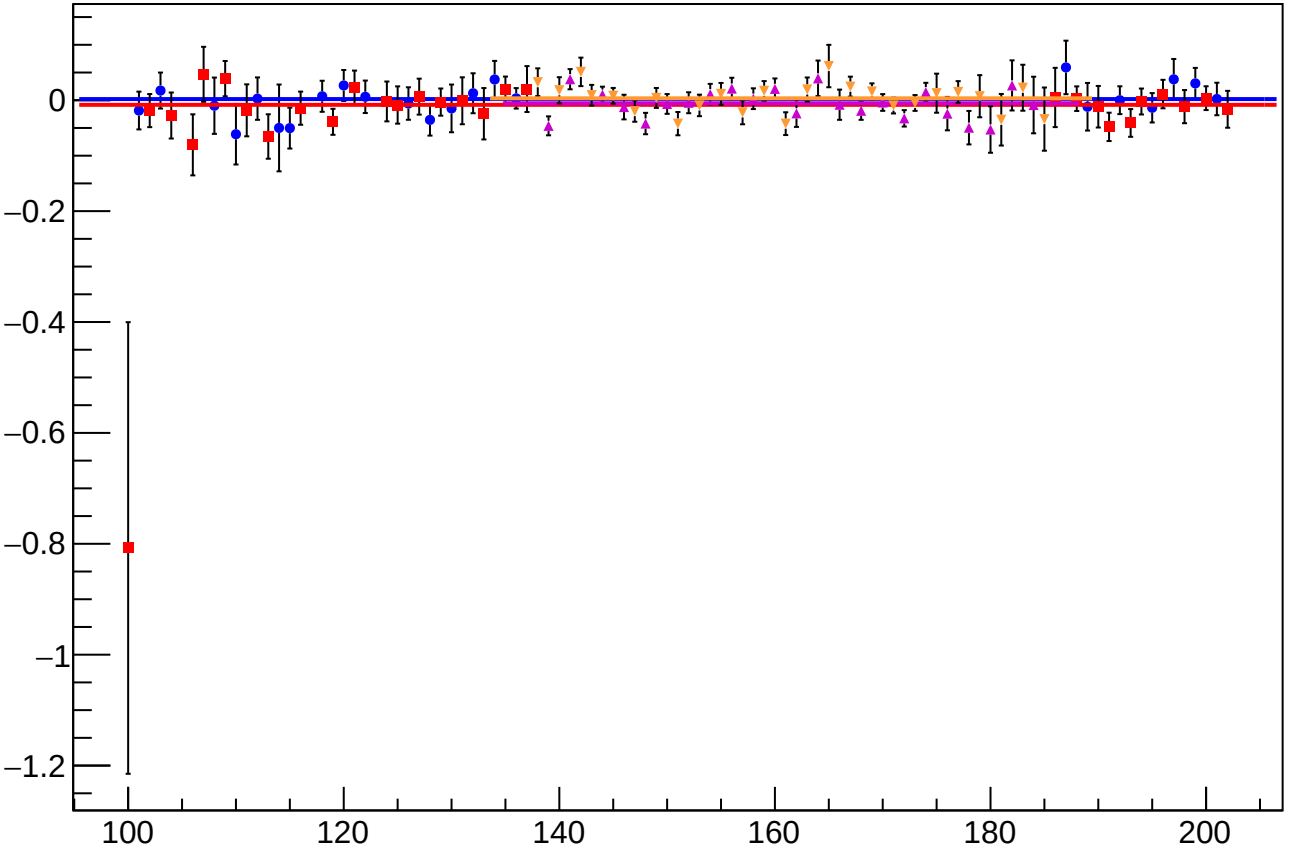
Right: 21.372+/-0.003 χ^2/NDF: 2570816.3/51

In: 18.439+/-0.003 χ^2/NDF:3952773.0/45

Out: 18.203+/-0.002 χ^2/NDF:4812606.1/53

All: 18.314+/-0.002 χ^2/NDF: 8770086.2/99

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

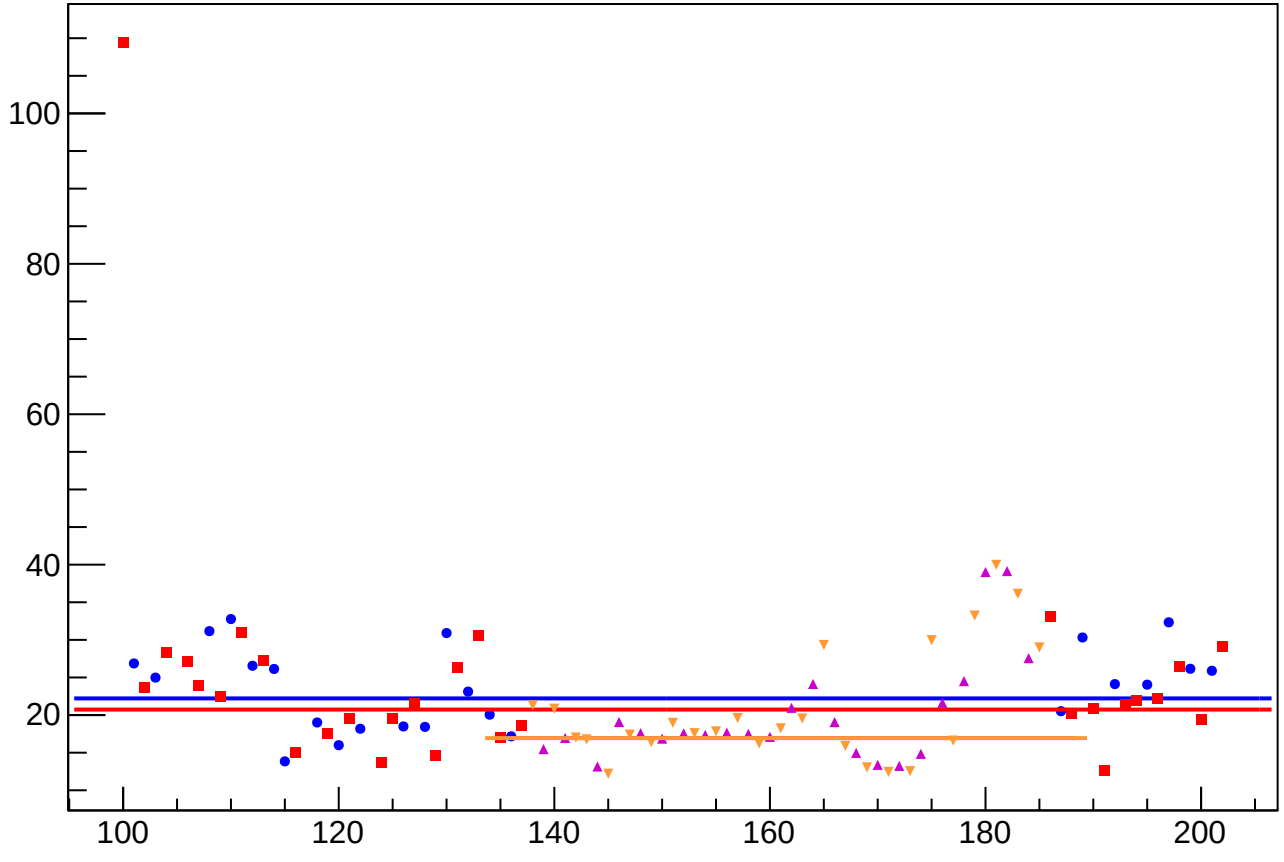
Right: -0.004+/-0.004 χ^2/NDF: 35.4/51

In: -0.003+/-0.004 χ^2/NDF:46.4/45

Out: -0.000+/-0.003 χ^2/NDF:51.5/53

All: -0.002+/-0.002 χ^2/NDF: 98.2/99

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.217+/-0.005 χ^2/NDF: 1112047.4/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.734+/-0.004 χ^2/NDF: 1402234.8/28

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

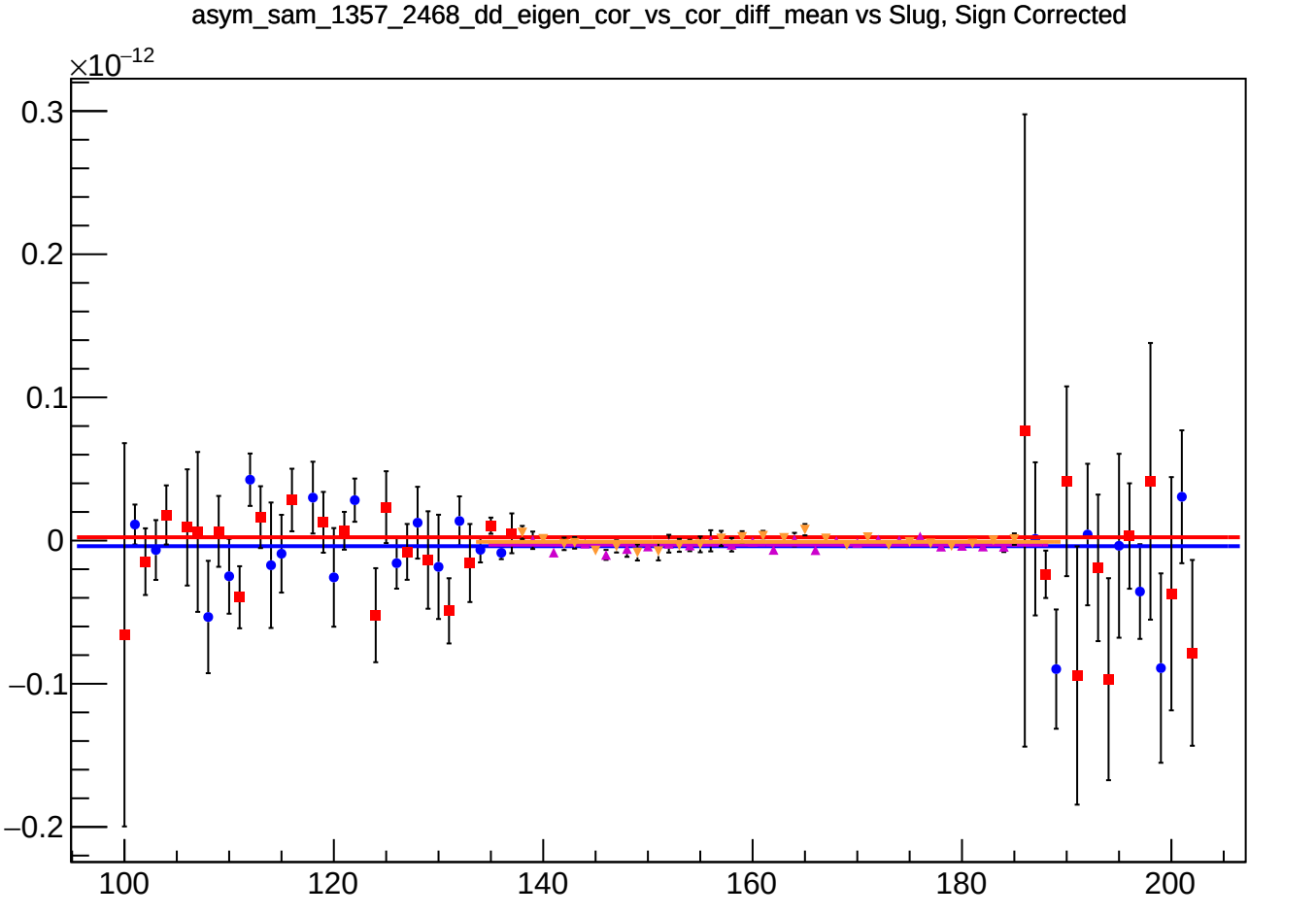
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

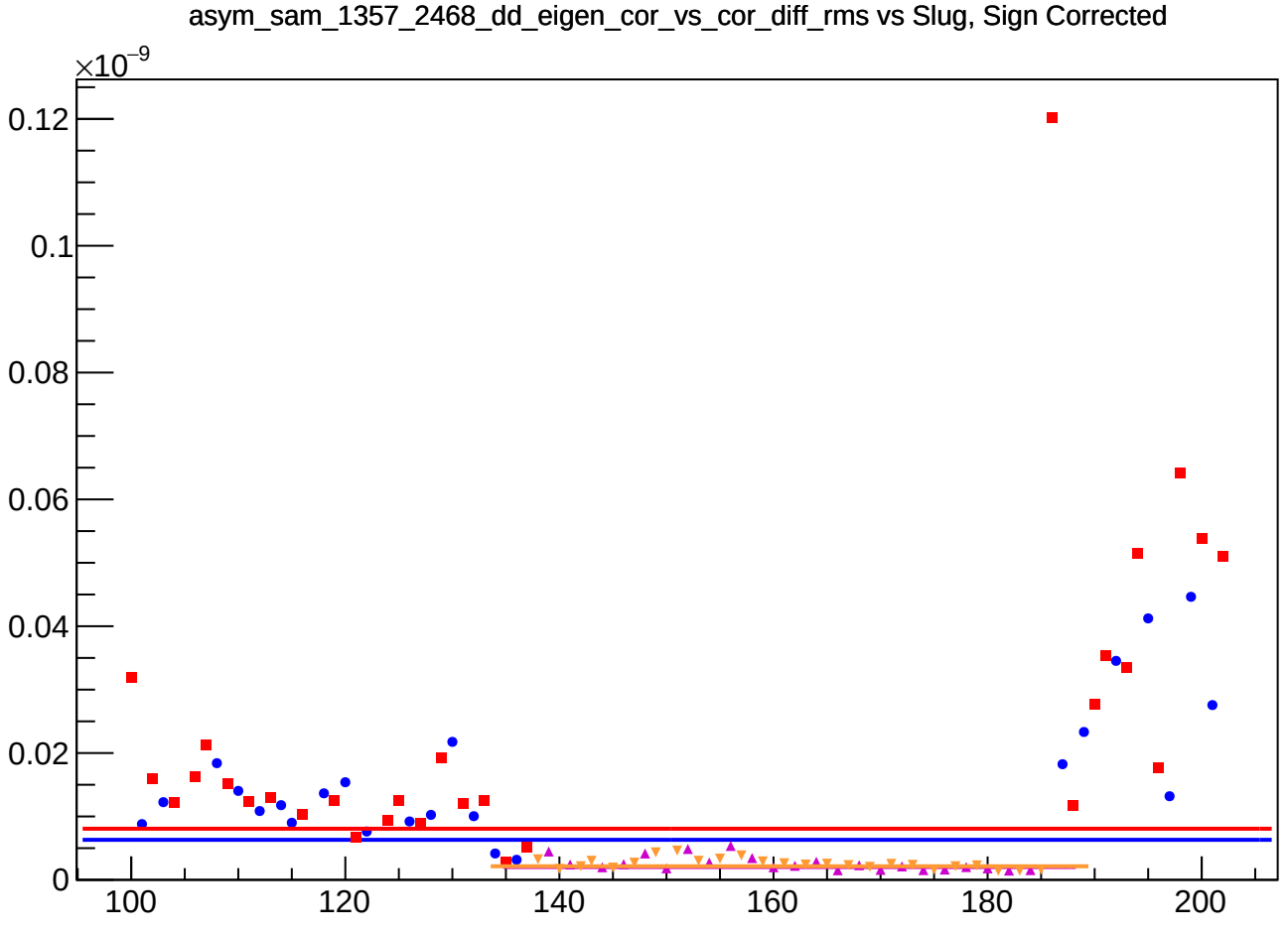
Right: 21.372+/-0.003 χ^2/NDF: 2570816.3/51

In: 18.439+/-0.003 χ^2/NDF:3952773.0/45

Out: 18.203+/-0.002 χ^2/NDF:4812606.1/53

All: 18.314+/-0.002 χ^2/NDF: 8770086.2/99


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
Right In: -0.000+/-0.000 χ²/NDF: 27.4/22
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.1/28
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: 56.1/51
In: -0.000+/-0.000 χ²/NDF:50.7/45
Out: -0.000+/-0.000 χ²/NDF:51.4/53
All: -0.000+/-0.000 χ²/NDF: 107.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 5633001.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7807167.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

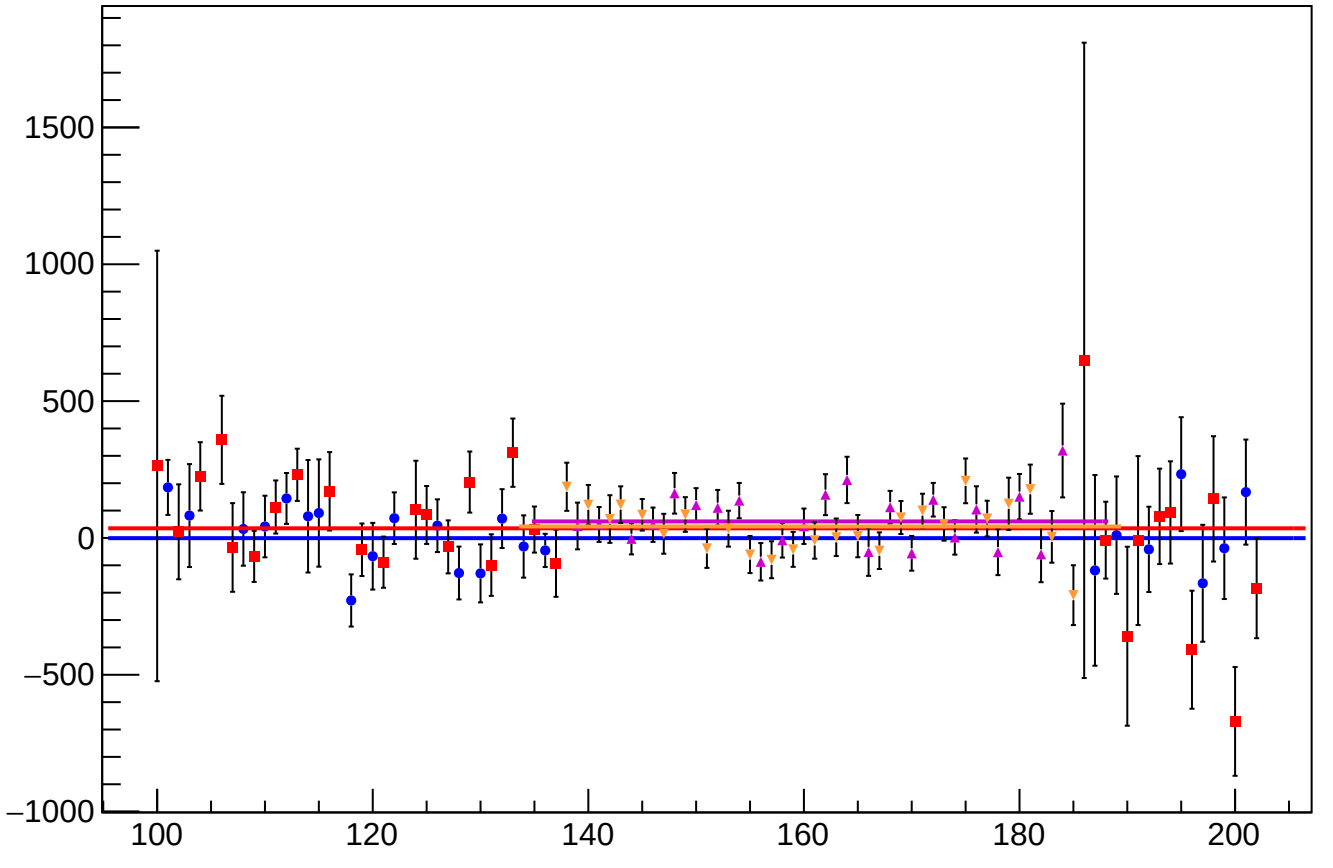
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13695944.2/51

In: 0.000+/-0.000 χ^2/NDF:11465821.0/45

Out: 0.000+/-0.000 χ^2/NDF:14946876.3/53

All: 0.000+/-0.000 χ^2/NDF: 26457567.9/99



Right In: -0.790+/-24.787 χ^2/NDF: 20.6/22

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.193+/-24.504 χ^2/NDF: 47.0/28

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

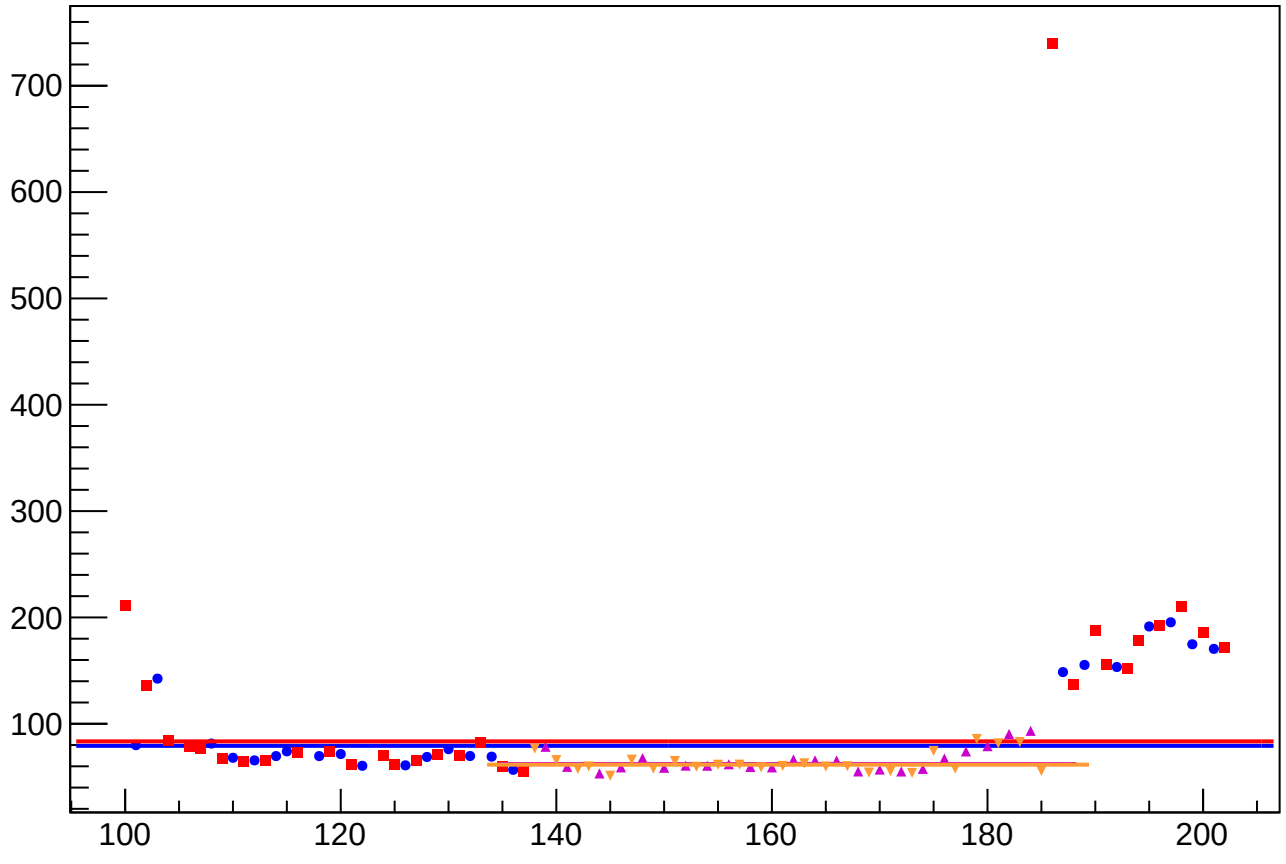
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 17.408+/-17.426 χ^2/NDF: 68.7/51

In: 44.439+/-12.652 χ^2/NDF:57.3/45

Out: 40.301+/-12.274 χ^2/NDF:79.1/53

All: 42.307+/-8.810 χ^2/NDF: 136.4/99



Right In: 79.257+/-0.018 χ^2/NDF: 3745578.2/22

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 83.455+/-0.017 χ^2/NDF: 5249111.1/28

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

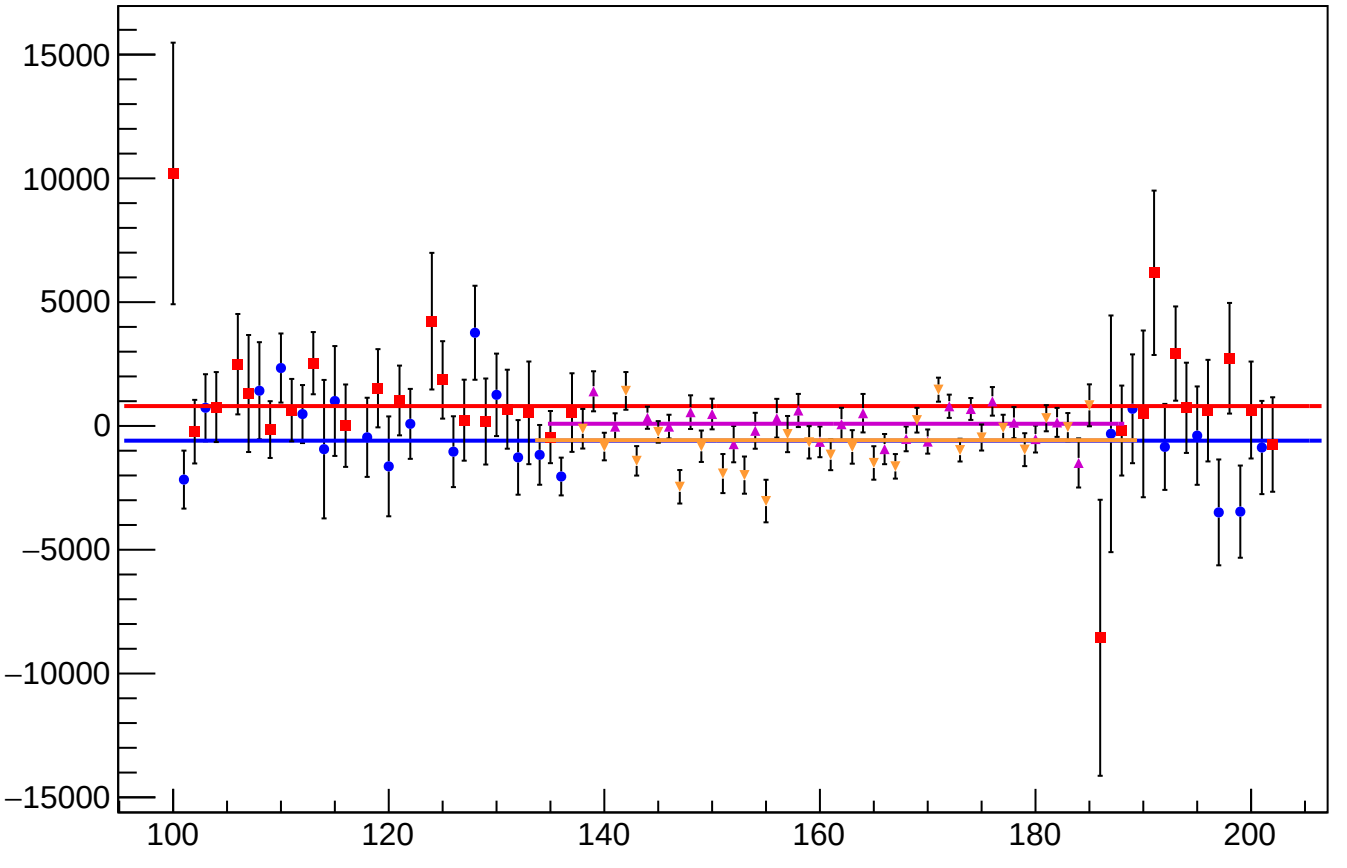
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 81.380+/-0.012 χ^2/NDF: 9023695.9/51

In: 66.603+/-0.009 χ^2/NDF:5047244.4/45

Out: 67.041+/-0.009 χ^2/NDF:7084823.6/53

All: 66.829+/-0.006 χ^2/NDF: 12133302.4/99



Right In: -594.640+/-318.774 χ^2/NDF: 25.4/22

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 802.676+/-314.859 χ^2/NDF: 19.8/28

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

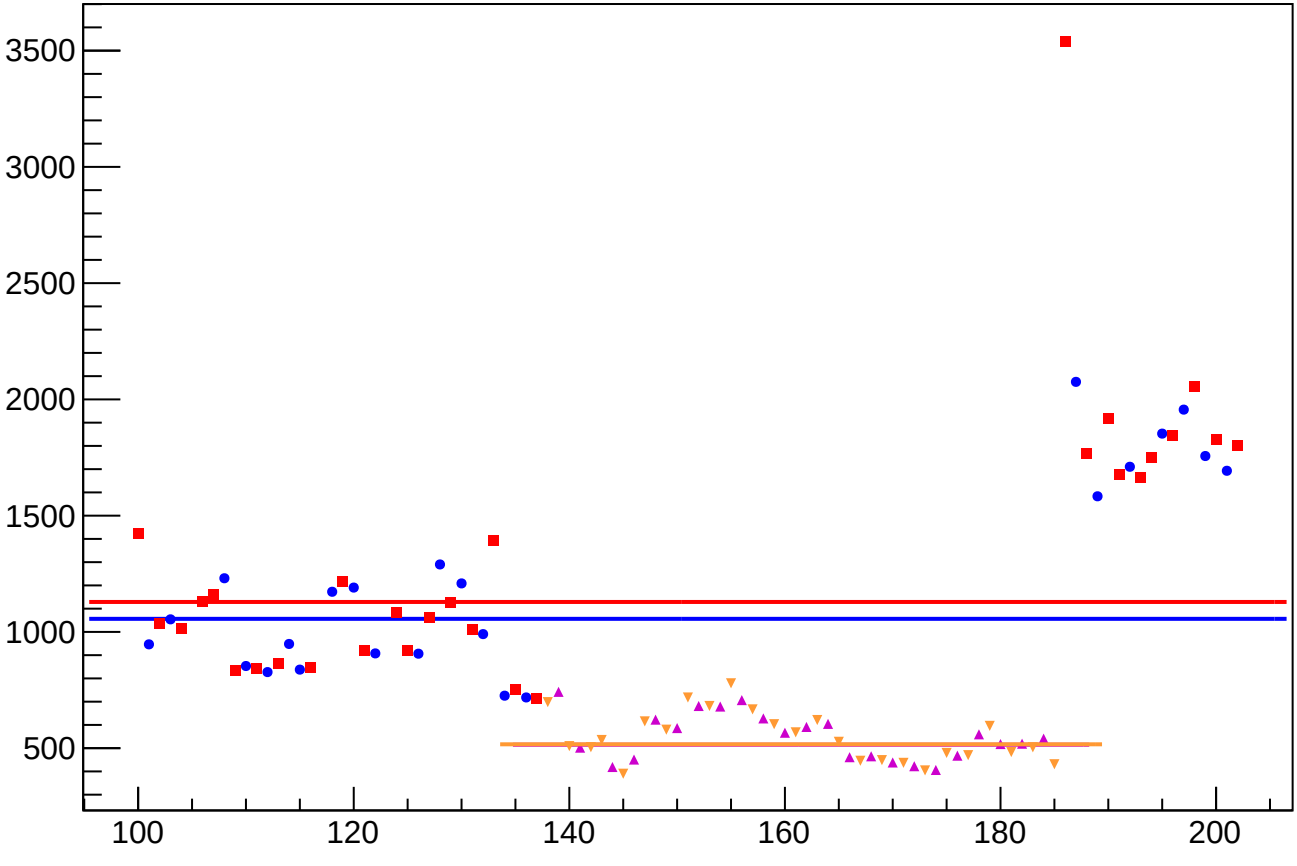
Right: 112.651+/-224.010 χ^2/NDF: 54.8/51

In: 0.463+/-114.341 χ^2/NDF:53.9/45

Out: -400.778+/-111.917 χ^2/NDF:105.3/53

All: -204.456+/-79.981 χ^2/NDF: 165.5/99

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1056.260+/-0.225 χ^2/NDF: 2508783.4/22

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1128.844+/-0.223 χ^2/NDF: 3208375.7/28

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

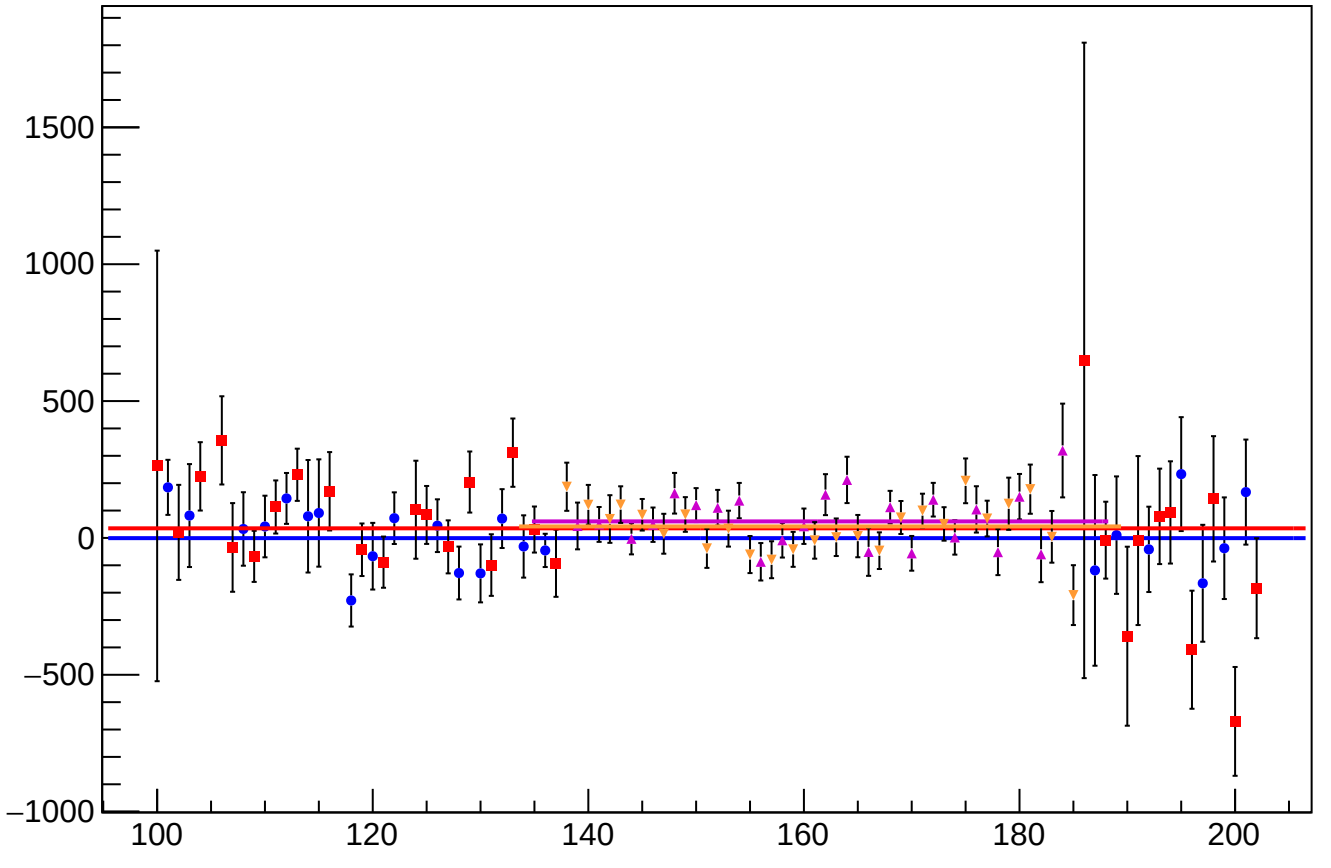
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1093.001+/-0.158 χ^2/NDF: 5769646.5/51

In: 584.447+/-0.081 χ^2/NDF:8657460.4/45

Out: 593.985+/-0.079 χ^2/NDF:11079522.4/53

All: 589.318+/-0.057 χ^2/NDF: 19744090.0/99



Right In: -0.797+/-24.787 χ^2/NDF: 20.6/22

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.086+/-24.505 χ^2/NDF: 47.0/28

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

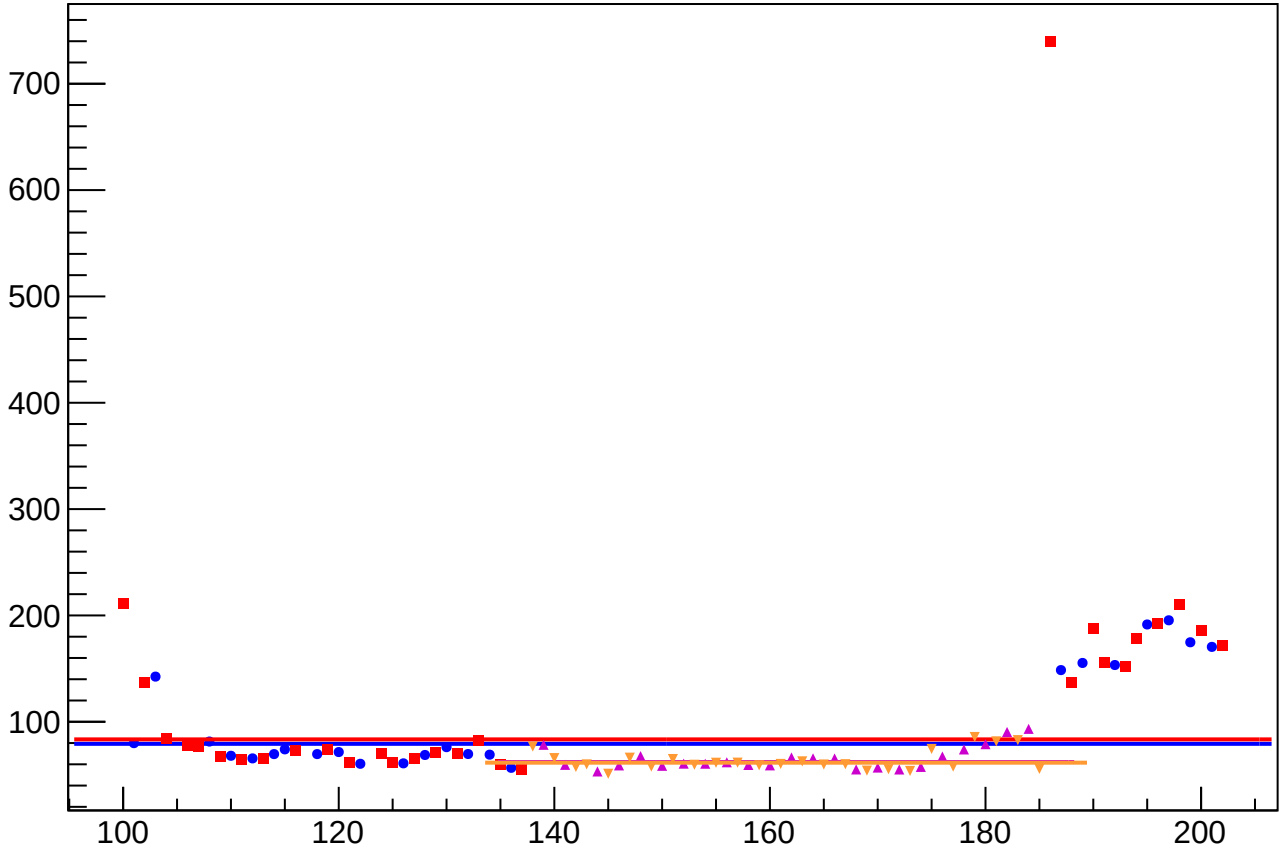
Right: 17.349+/-17.426 χ^2/NDF: 68.6/51

In: 44.437+/-12.652 χ^2/NDF:57.3/45

Out: 40.278+/-12.274 χ^2/NDF:79.1/53

All: 42.294+/-8.810 χ^2/NDF: 136.4/99

cor_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 79.257+/-0.018 χ^2/NDF: 3745581.3/22

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 83.439+/-0.017 χ^2/NDF: 5249982.9/28

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

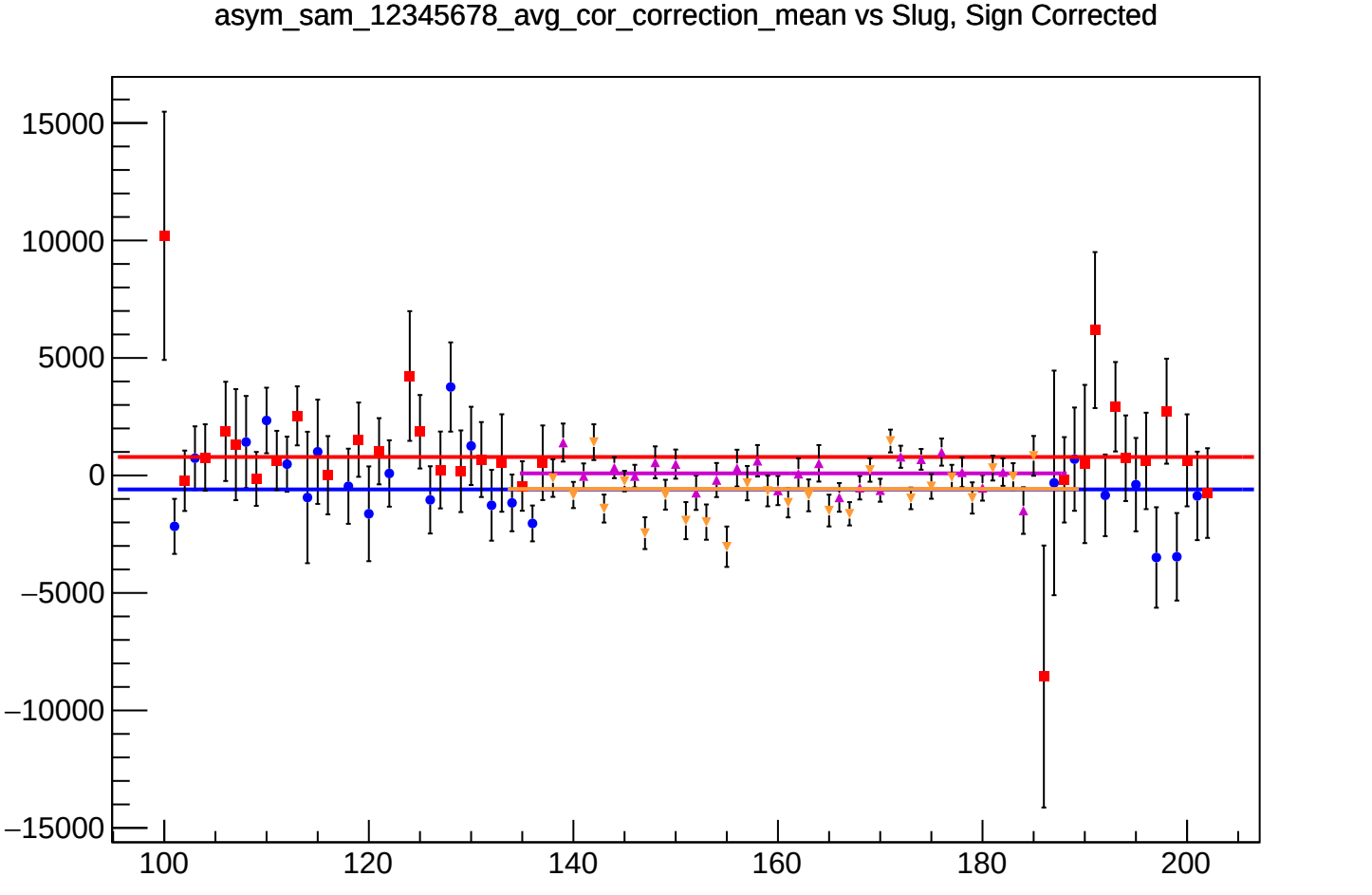
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 81.372+/-0.012 χ^2/NDF: 9024353.9/51

In: 66.603+/-0.009 χ^2/NDF:5047247.5/45

Out: 67.037+/-0.009 χ^2/NDF:7083922.7/53

All: 66.827+/-0.006 χ^2/NDF: 12132380.9/99



Right In: -594.615+/-318.775 χ^2/NDF: 25.4/22

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 786.095+/-315.168 χ^2/NDF: 19.3/28

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

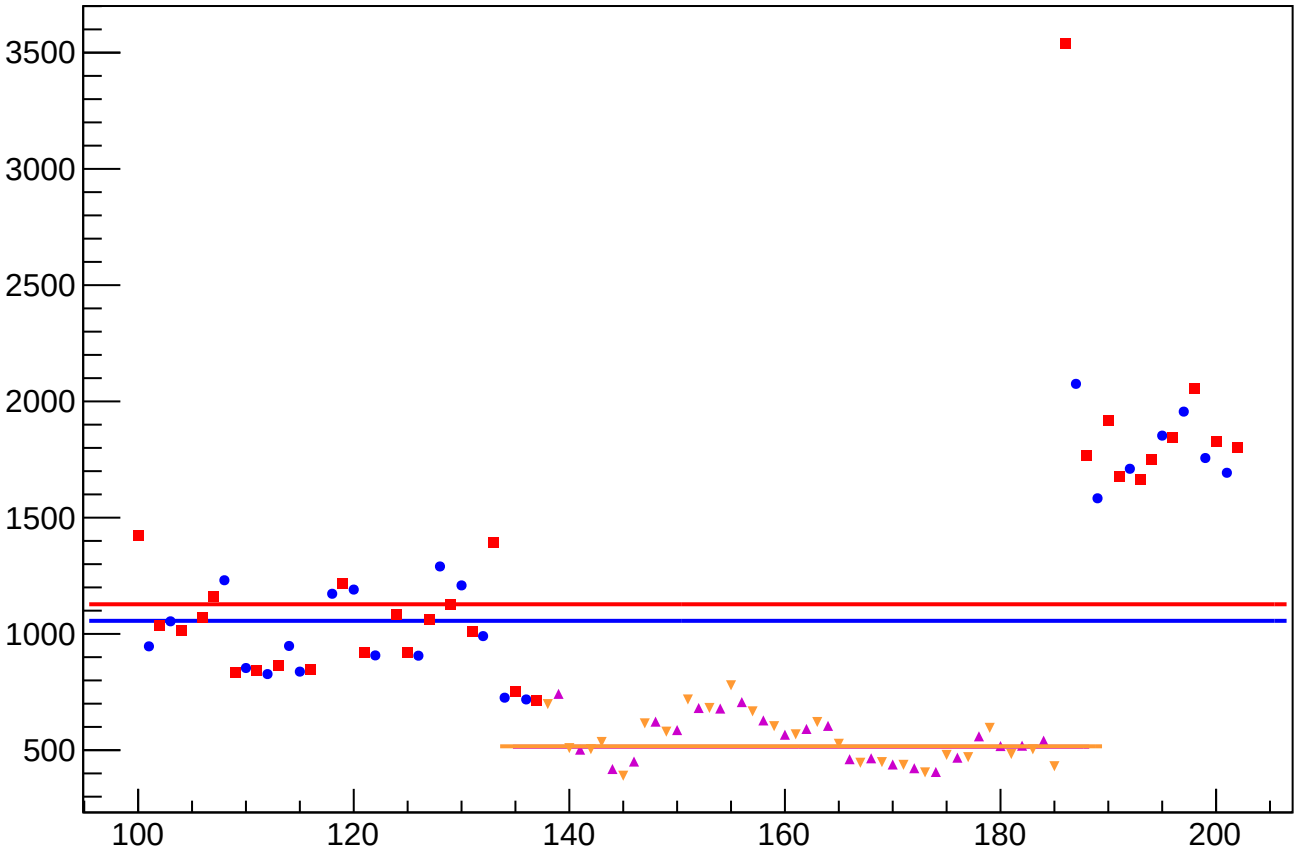
Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

Right: 103.596+/-224.122 χ^2/NDF: 54.2/51

In: 0.467+/-114.341 χ^2/NDF:53.9/45

Out: -403.162+/-111.931 χ^2/NDF:104.4/53

All: -205.647+/-79.986 χ^2/NDF: 164.7/99



Right In: 1056.264+/-0.225 χ^2/NDF: 2508787.1/22

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.496+/-0.223 χ^2/NDF: 3209730.4/28

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

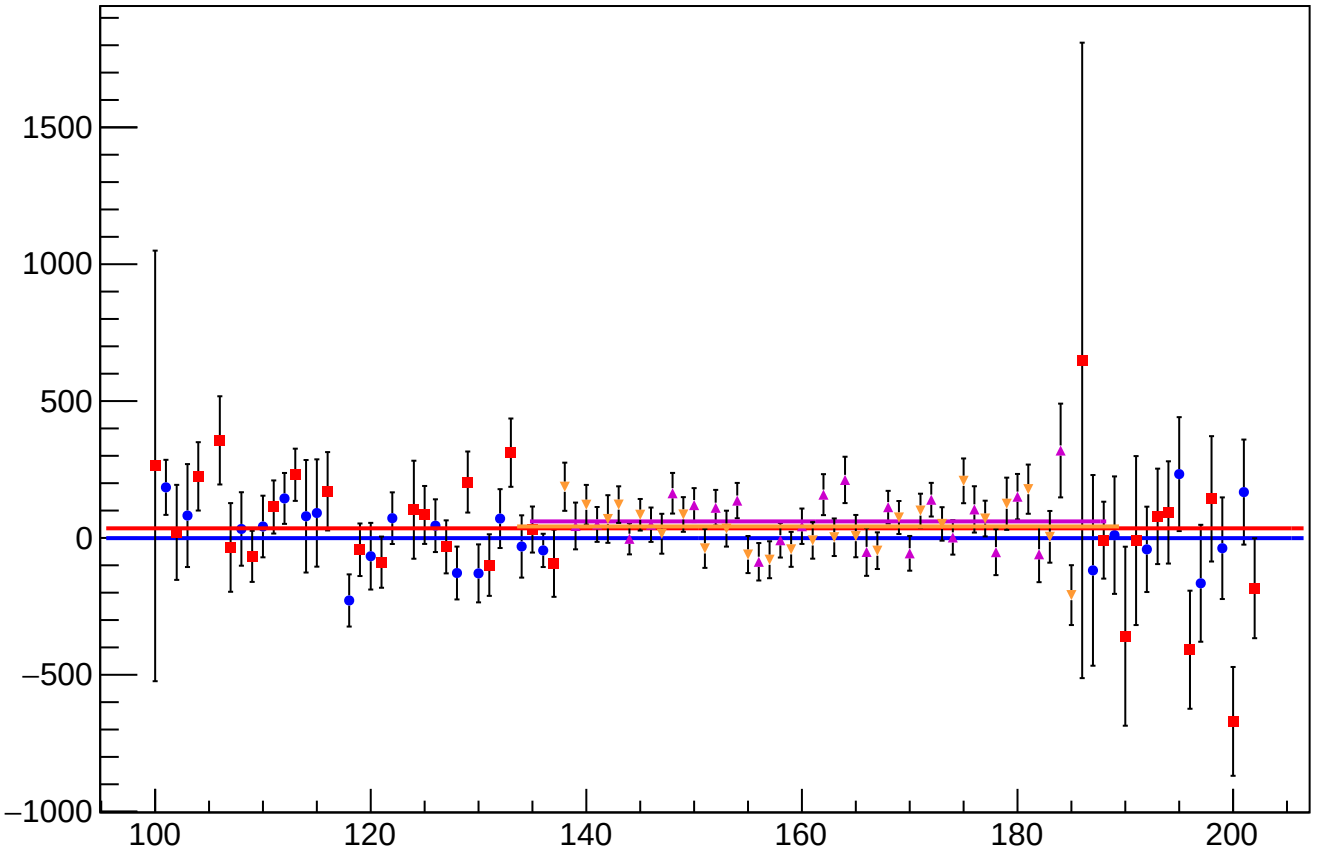
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1092.285+/-0.158 χ^2/NDF: 5769017.1/51

In: 584.447+/-0.081 χ^2/NDF:8657503.1/45

Out: 593.682+/-0.079 χ^2/NDF:11040543.5/53

All: 589.163+/-0.057 χ^2/NDF: 19704708.6/99



Right In: -0.797+/-24.787 χ^2/NDF: 20.6/22

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.086+/-24.505 χ^2/NDF: 47.0/28

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

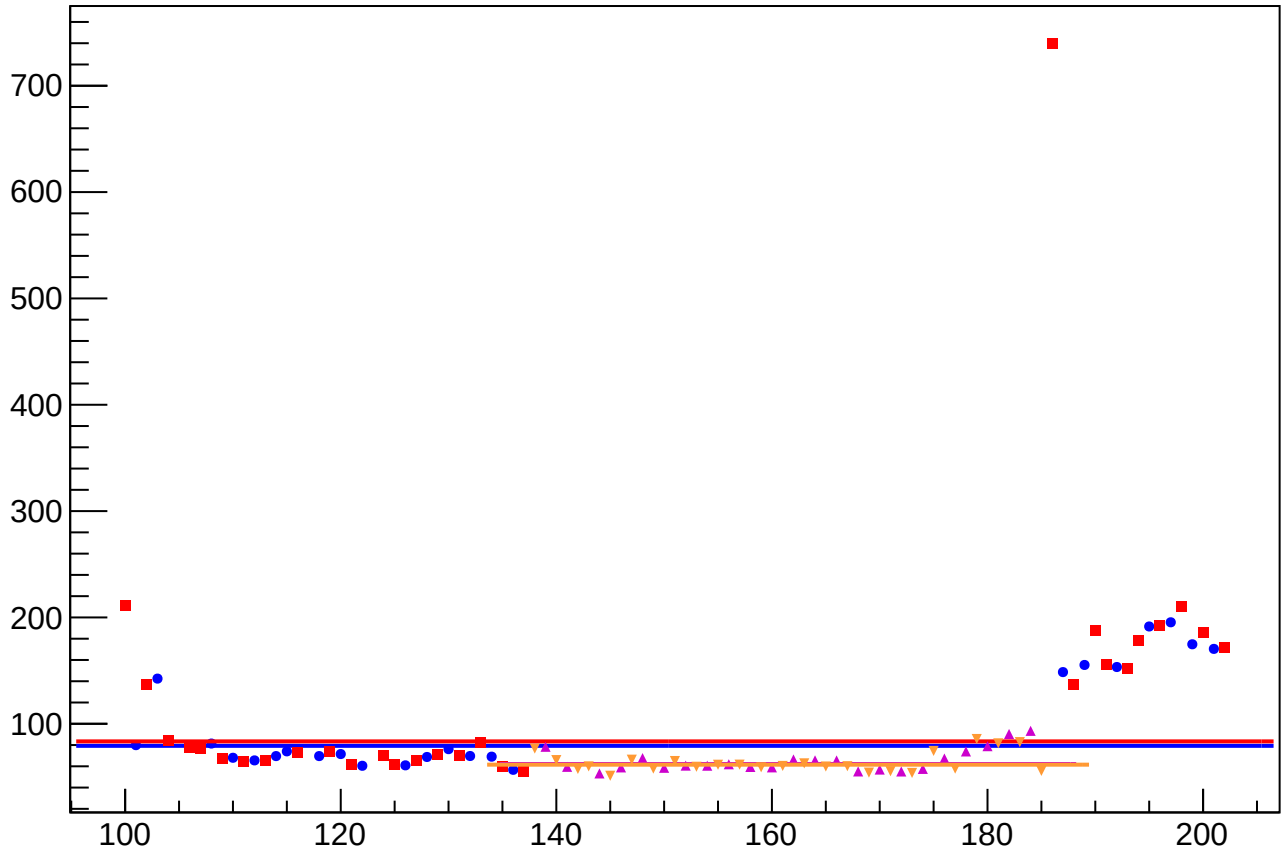
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 17.349+/-17.426 χ^2/NDF: 68.6/51

In: 44.437+/-12.652 χ^2/NDF:57.3/45

Out: 40.278+/-12.274 χ^2/NDF:79.1/53

All: 42.294+/-8.810 χ^2/NDF: 136.4/99



Right In: 79.257+/-0.018 χ^2/NDF: 3745581.3/22

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 83.439+/-0.017 χ^2/NDF: 5249982.9/28

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

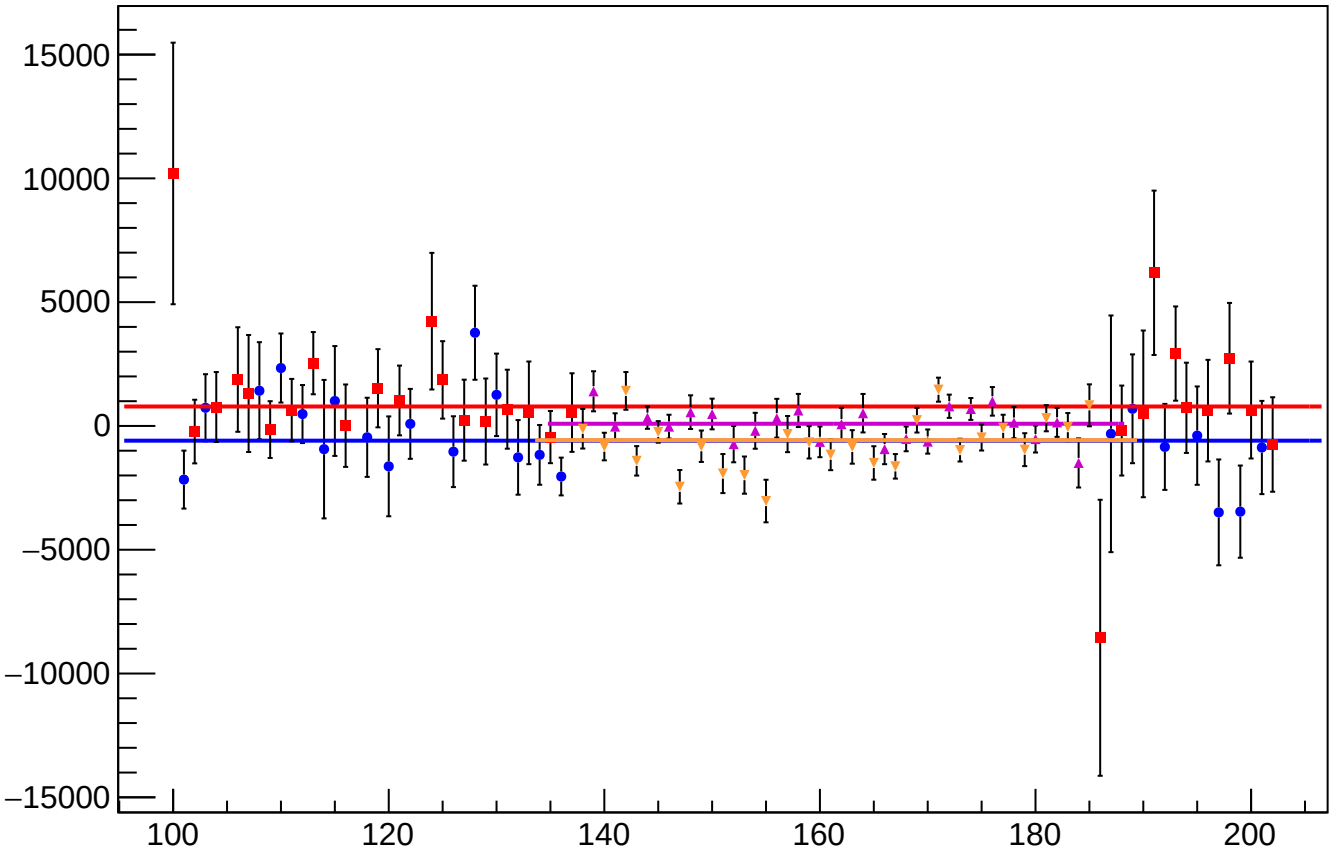
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 81.372+/-0.012 χ^2/NDF: 9024353.9/51

In: 66.603+/-0.009 χ^2/NDF:5047247.5/45

Out: 67.037+/-0.009 χ^2/NDF:7083922.7/53

All: 66.827+/-0.006 χ^2/NDF: 12132380.9/99



Right In: -594.615+/-318.775 χ^2/NDF: 25.4/22

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 786.095+/-315.168 χ^2/NDF: 19.3/28

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

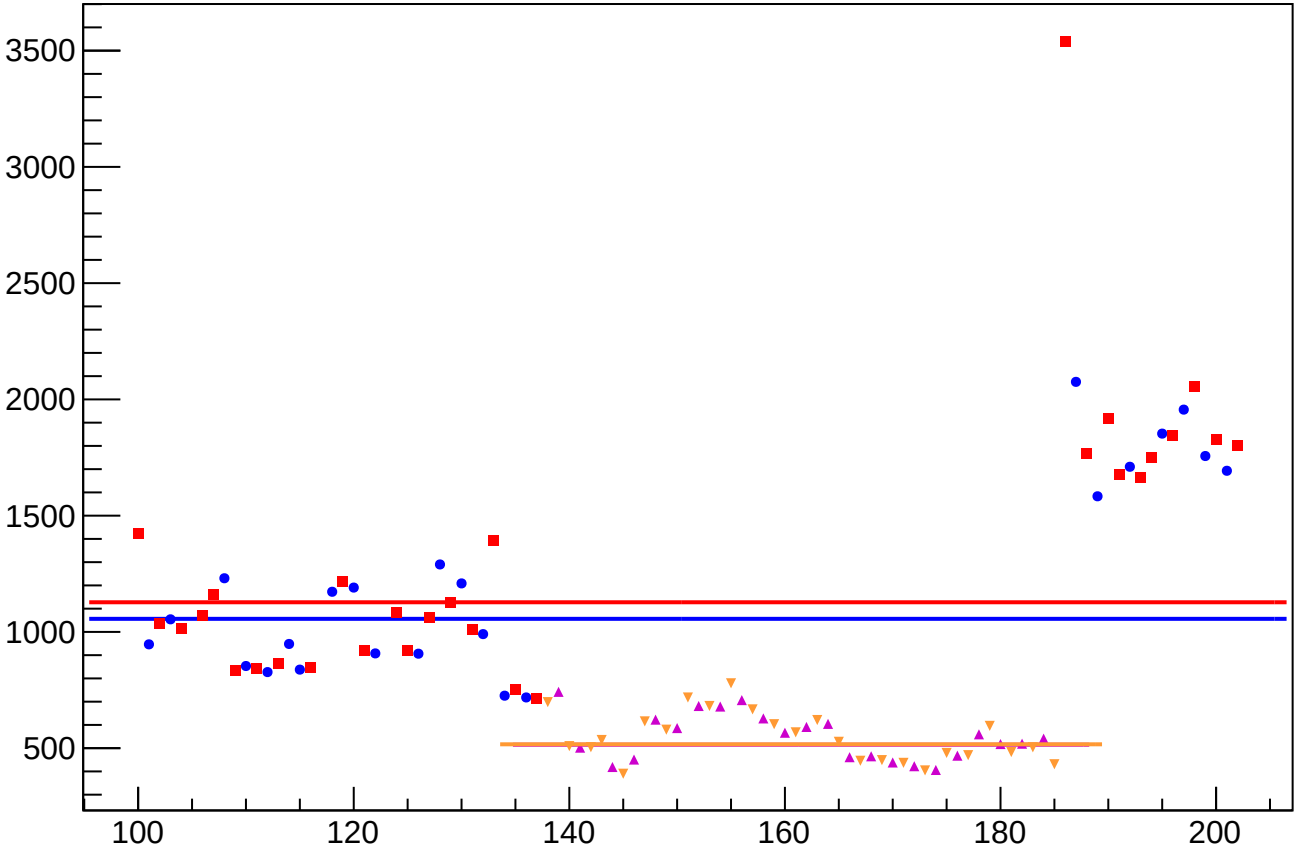
Right: 103.596+/-224.122 χ^2/NDF: 54.2/51

In: 0.467+/-114.341 χ^2/NDF:53.9/45

Out: -403.162+/-111.931 χ^2/NDF:104.4/53

All: -205.647+/-79.986 χ^2/NDF: 164.7/99

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1056.264+/-0.225 χ^2/NDF: 2508787.1/22

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.496+/-0.223 χ^2/NDF: 3209730.4/28

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

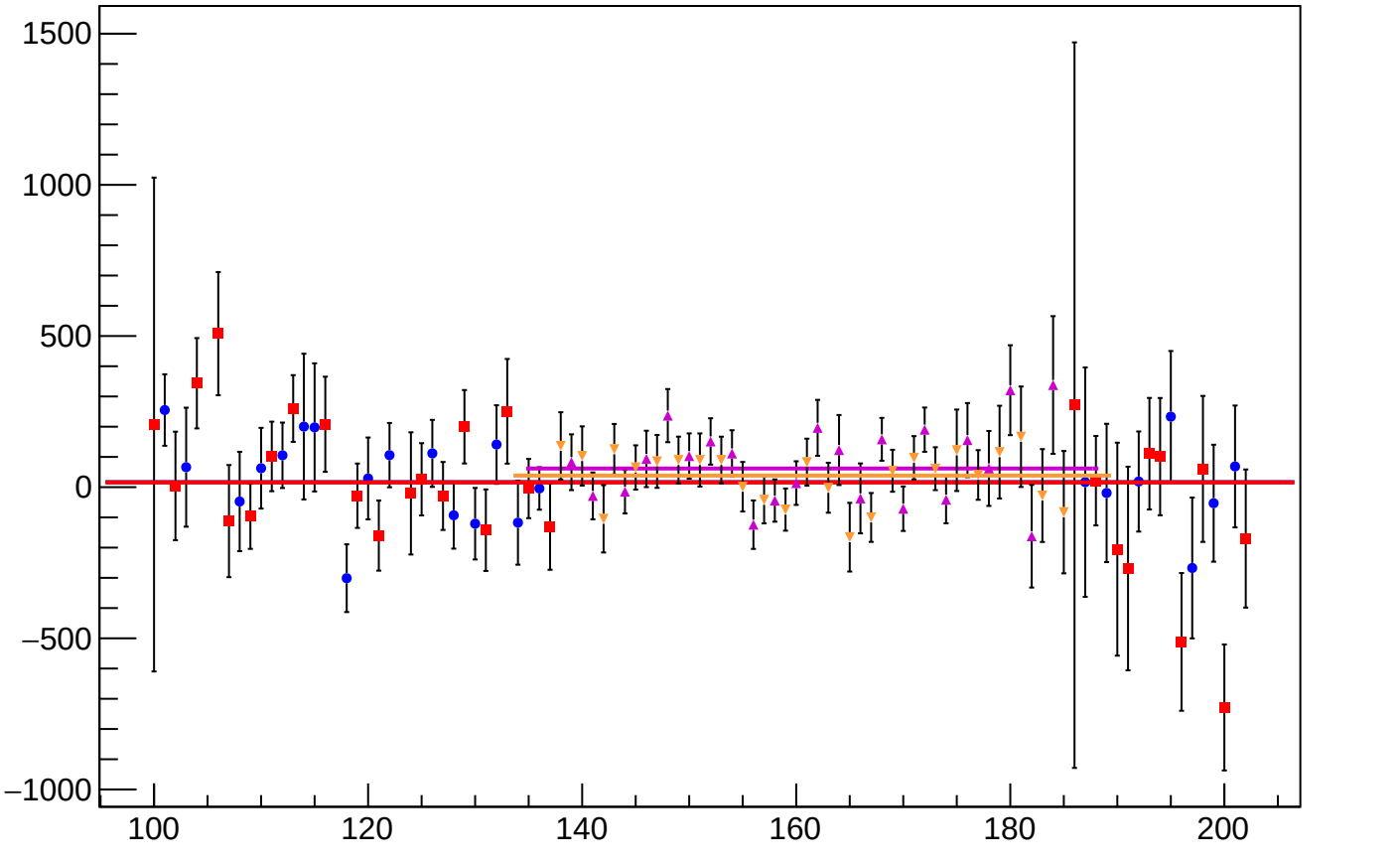
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1092.285+/-0.158 χ^2/NDF: 5769017.1/51

In: 584.447+/-0.081 χ^2/NDF:8657503.1/45

Out: 593.682+/-0.079 χ^2/NDF:11040543.5/53

All: 589.163+/-0.057 χ^2/NDF: 19704708.6/99



Right In: 16.494+/-28.405 χ^2/NDF: 22.8/22

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 15.867+/-28.190 χ^2/NDF: 49.0/28

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

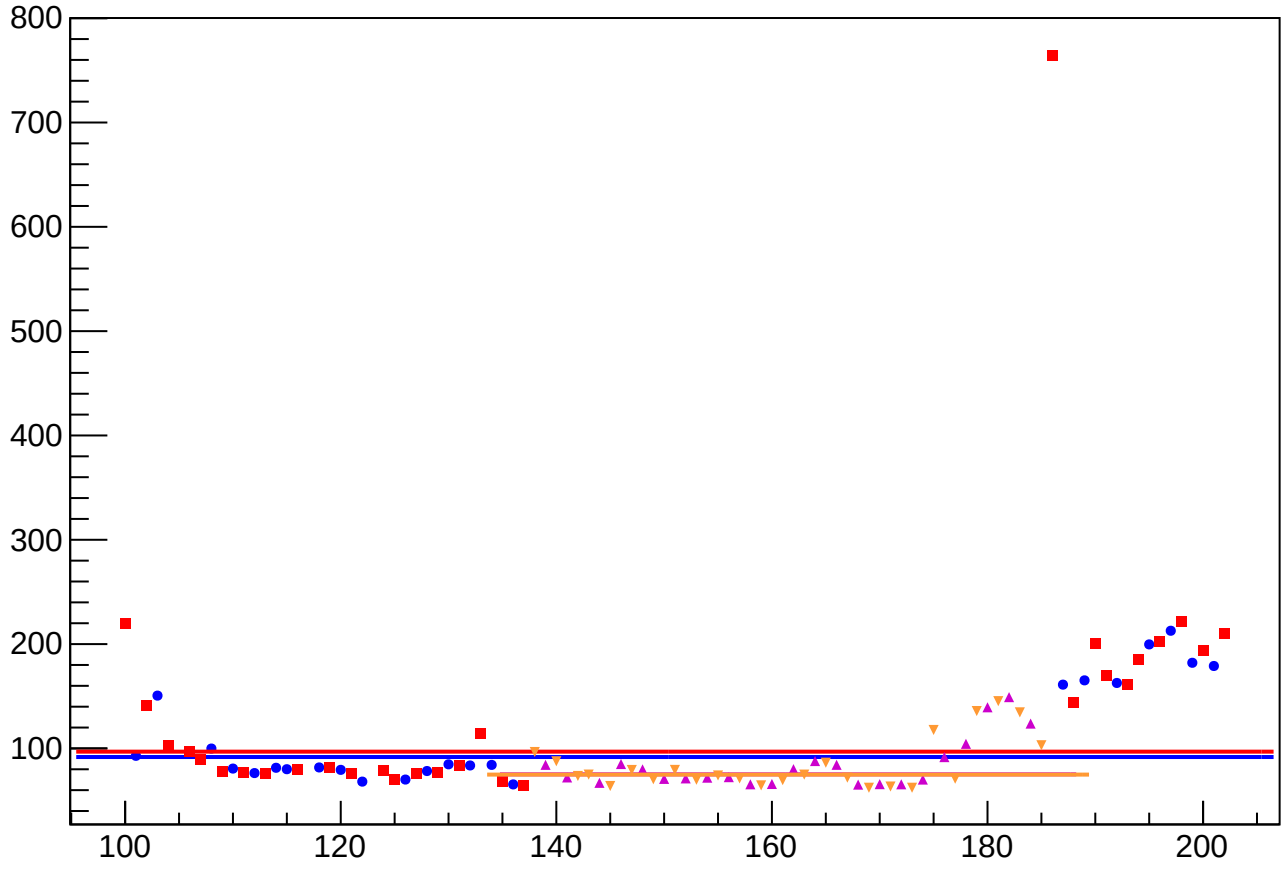
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 16.178+/-20.009 χ^2/NDF: 71.8/51

In: 48.568+/-15.319 χ^2/NDF:61.4/45

Out: 31.959+/-14.972 χ^2/NDF:68.2/53

All: 40.073+/-10.707 χ^2/NDF: 130.2/99



Right In: 91.749+/-0.020 χ^2/NDF: 3270073.9/22

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 96.906+/-0.020 χ^2/NDF: 4690318.8/28

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

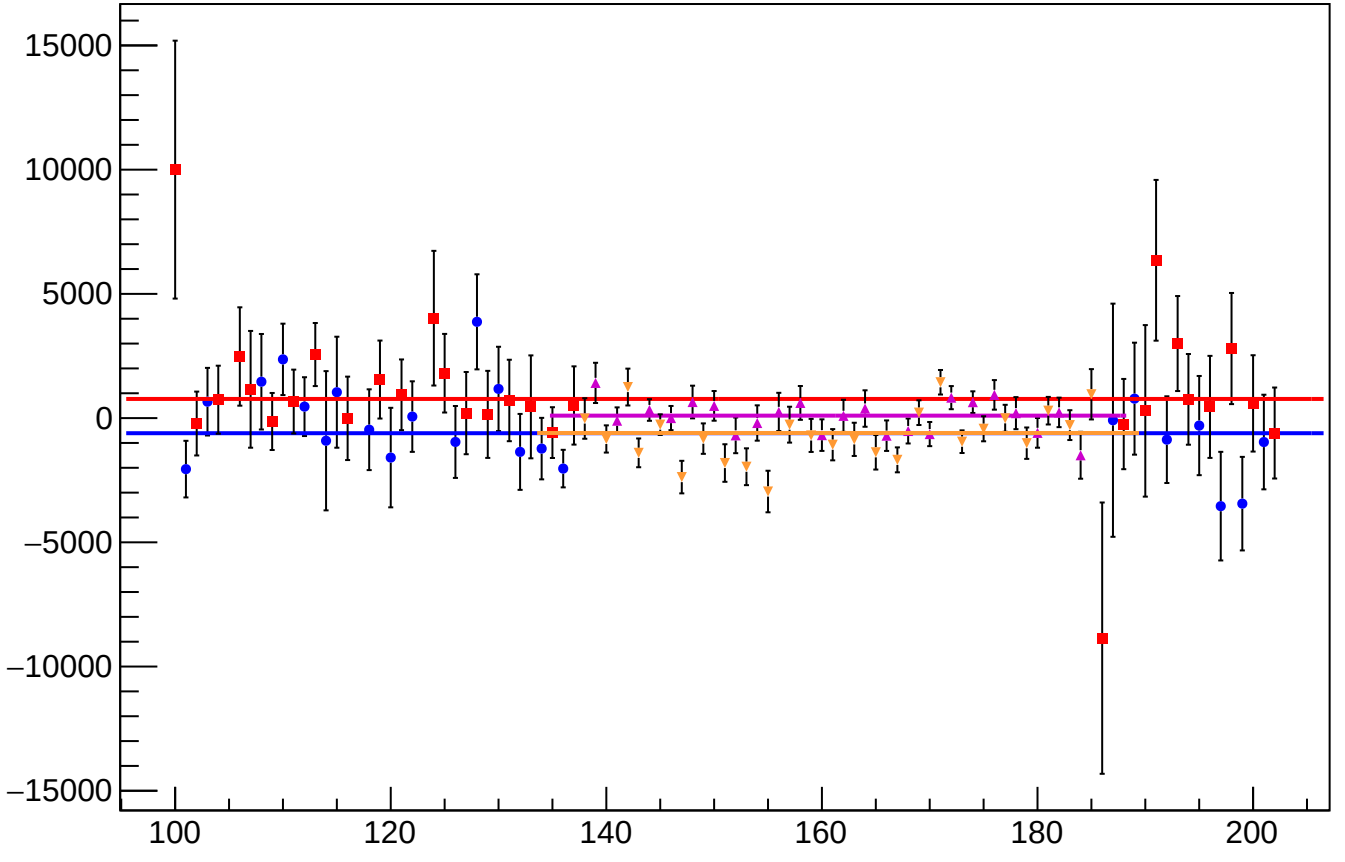
Right: 94.347+/-0.014 χ^2/NDF: 7993610.2/51

In: 79.982+/-0.011 χ^2/NDF:5066594.7/45

Out: 81.109+/-0.011 χ^2/NDF:7226661.2/53

All: 80.558+/-0.008 χ^2/NDF: 12298794.5/99

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -607.971+/-320.280 χ^2/NDF: 25.0/22

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 771.189+/-314.107 χ^2/NDF: 20.7/28

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

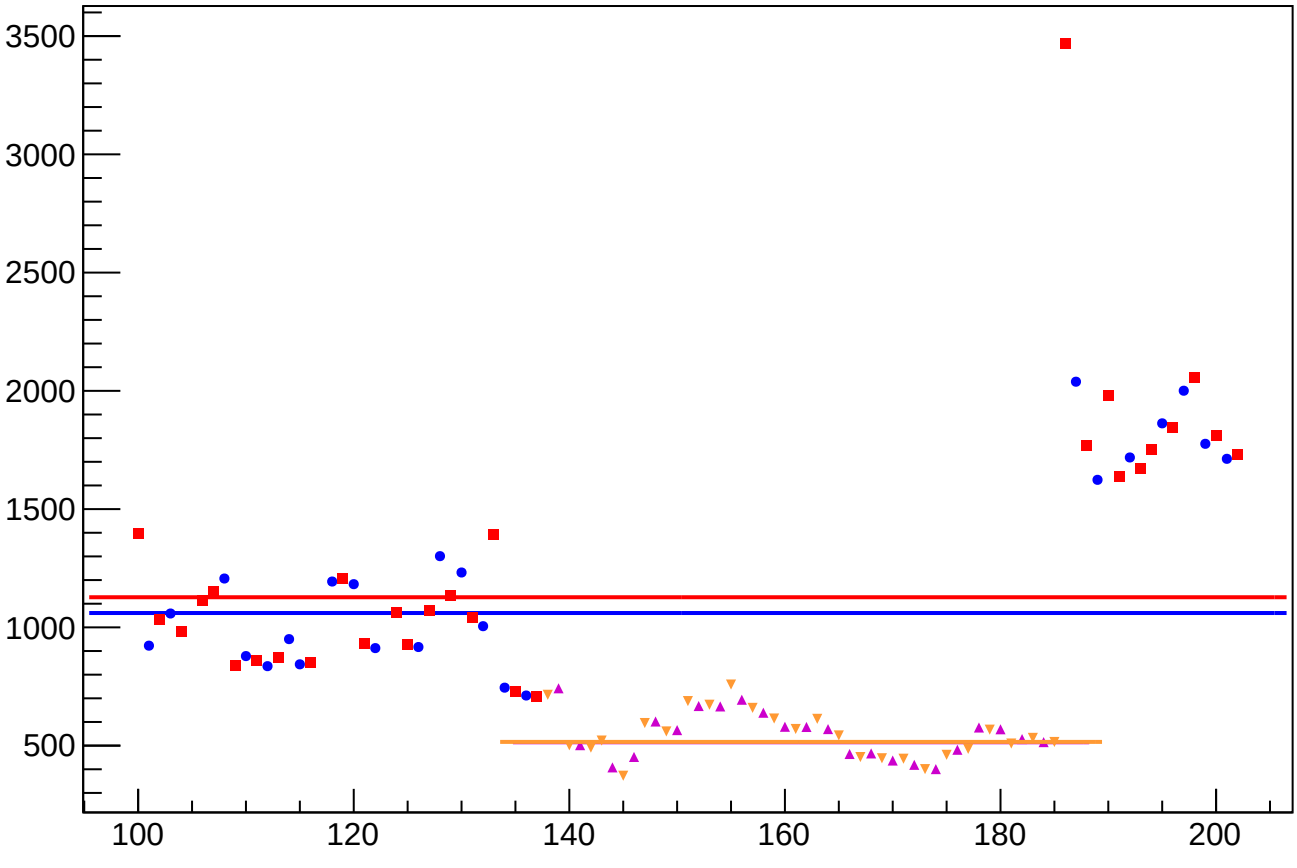
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

Right: 95.028+/-224.258 χ^2/NDF: 55.2/51

In: 9.109+/-114.262 χ^2/NDF:53.0/45

Out: -426.052+/-111.546 χ^2/NDF:102.4/53

All: -213.704+/-79.818 χ^2/NDF: 162.8/99



Right In: 1060.675+/-0.226 χ^2/NDF: 2551671.6/22

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1127.368+/-0.222 χ^2/NDF: 3192141.2/28

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

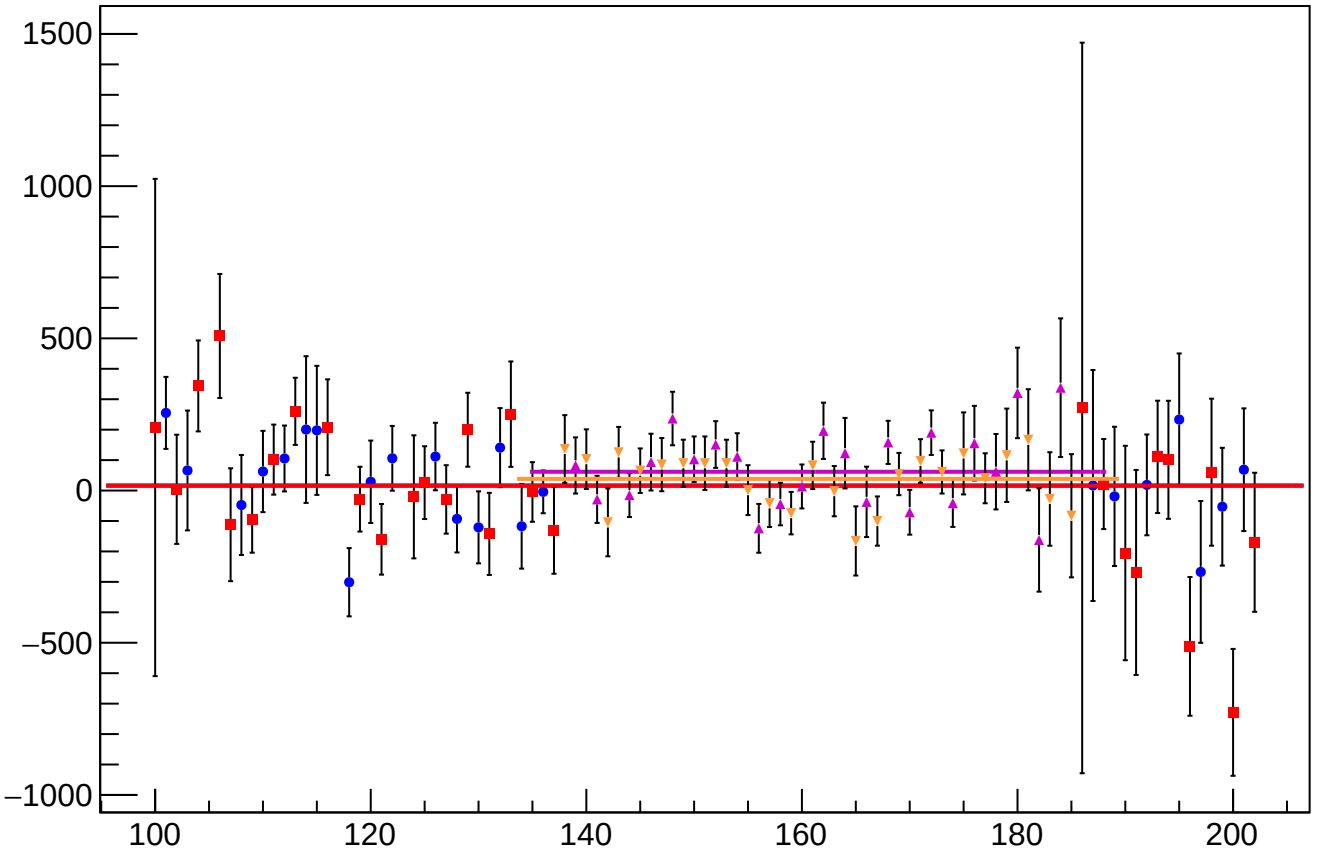
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1094.670+/-0.159 χ^2/NDF: 5788017.2/51

In: 583.655+/-0.081 χ^2/NDF:8752096.4/45

Out: 592.892+/-0.079 χ^2/NDF:11050961.5/53

All: 588.385+/-0.056 χ^2/NDF: 19809750.6/99



Right In: 16.494+/-28.405 χ^2/NDF: 22.8/22

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 15.865+/-28.190 χ^2/NDF: 49.0/28

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

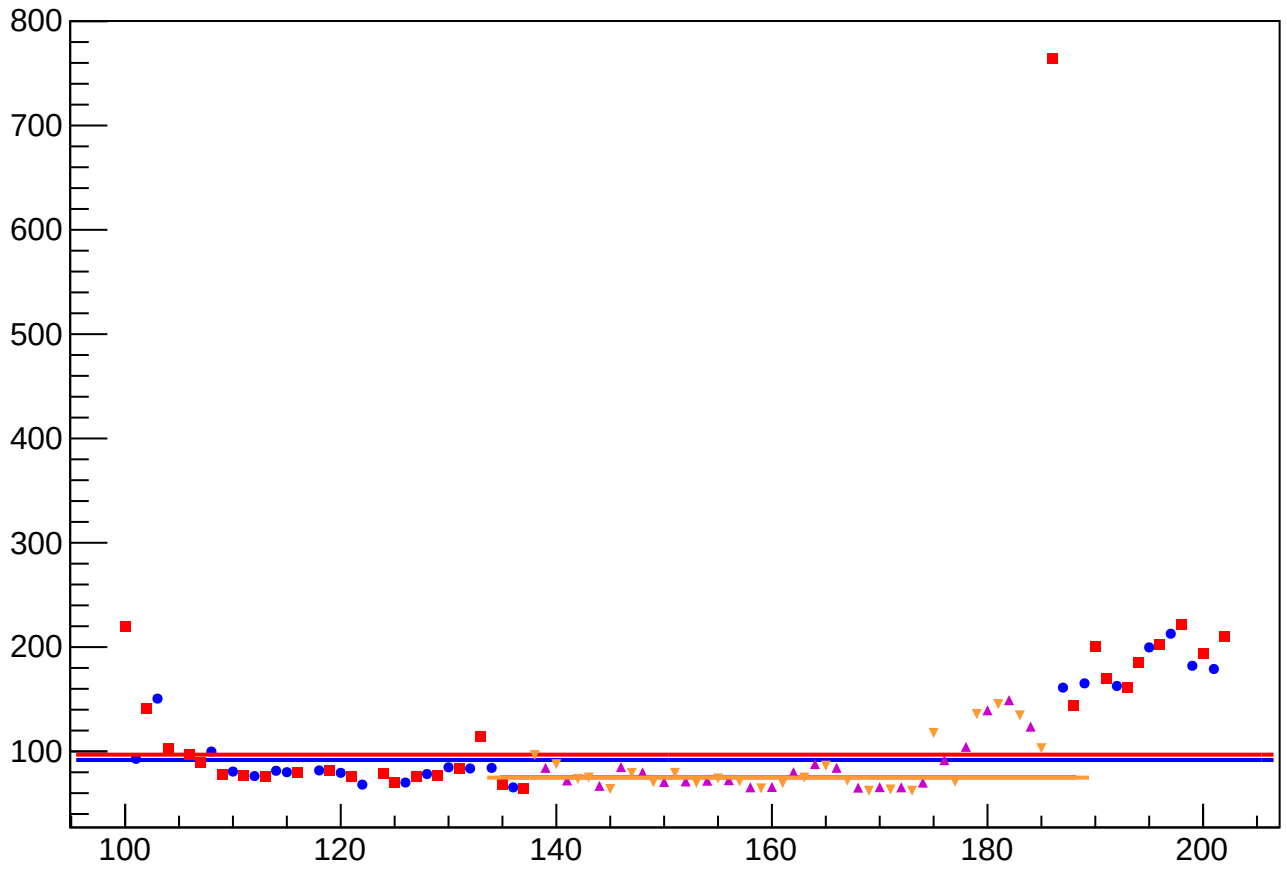
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 16.177+/-20.009 χ^2/NDF: 71.8/51

In: 48.568+/-15.319 χ^2/NDF:61.4/45

Out: 31.959+/-14.972 χ^2/NDF:68.2/53

All: 40.073+/-10.707 χ^2/NDF: 130.2/99



Right In: 91.748+/-0.020 χ^2/NDF: 3270081.6/22

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 96.906+/-0.020 χ^2/NDF: 4690346.4/28

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

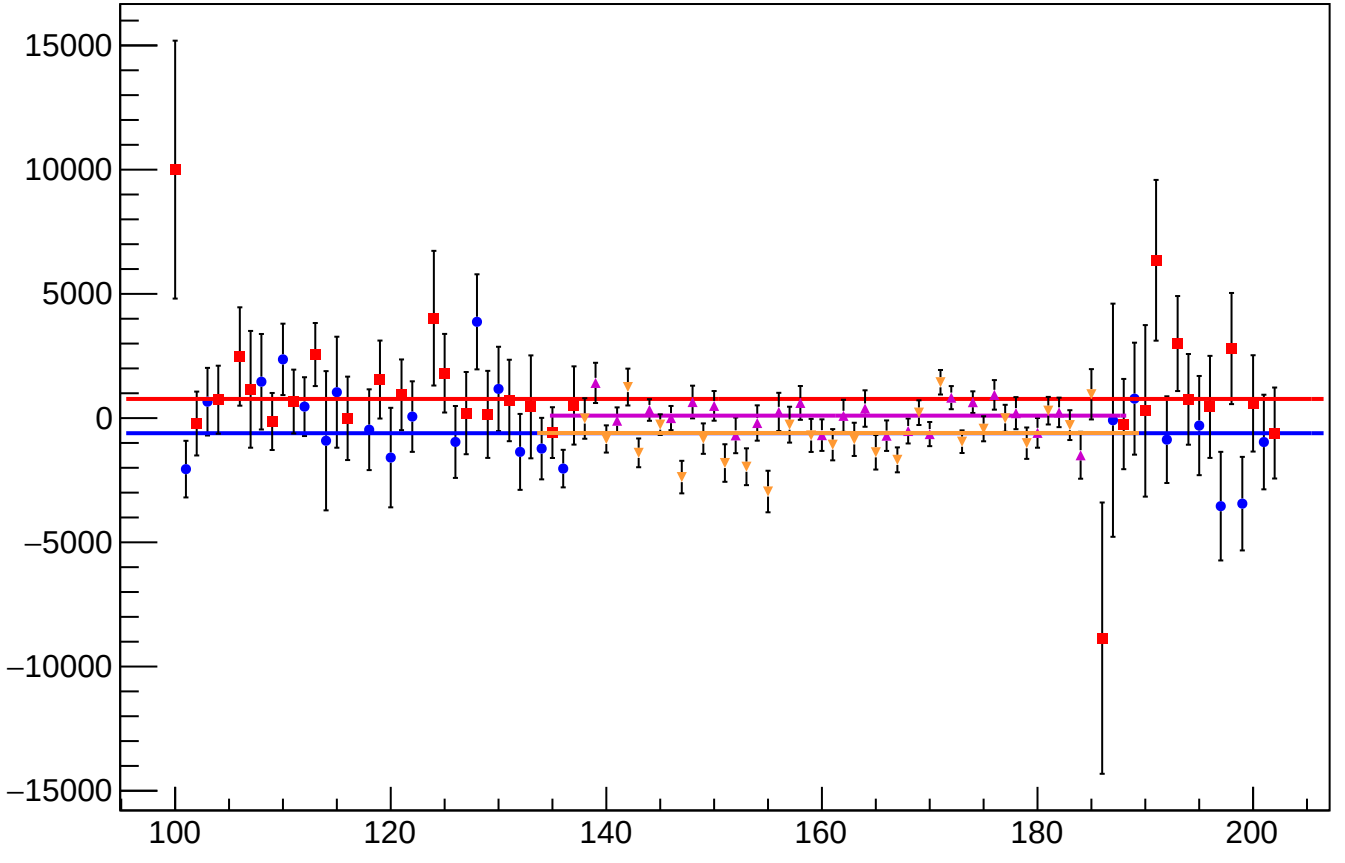
Right: 94.347+/-0.014 χ^2/NDF: 7993646.4/51

In: 79.982+/-0.011 χ^2/NDF:5066557.7/45

Out: 81.109+/-0.011 χ^2/NDF:7226652.9/53

All: 80.559+/-0.008 χ^2/NDF: 12298749.2/99

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -607.968+/-320.280 χ^2/NDF: 25.0/22

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 771.188+/-314.107 χ^2/NDF: 20.7/28

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

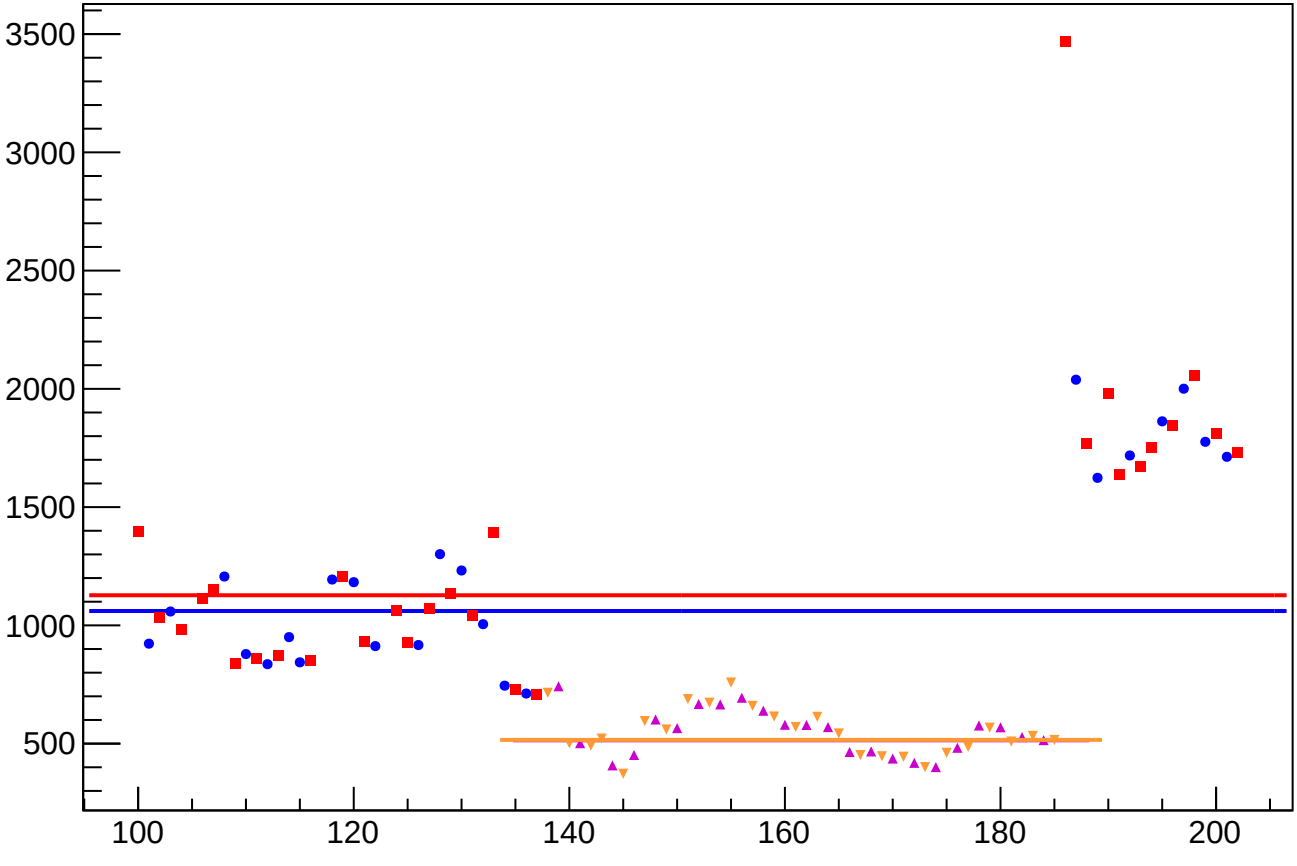
Right: 95.029+/-224.258 χ^2/NDF: 55.2/51

In: 9.109+/-114.262 χ^2/NDF:53.0/45

Out: -426.051+/-111.546 χ^2/NDF:102.4/53

All: -213.704+/-79.818 χ^2/NDF: 162.8/99

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1060.673+/-0.226 χ^2/NDF: 2551677.0/22

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1127.365+/-0.222 χ^2/NDF: 3192150.1/28

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

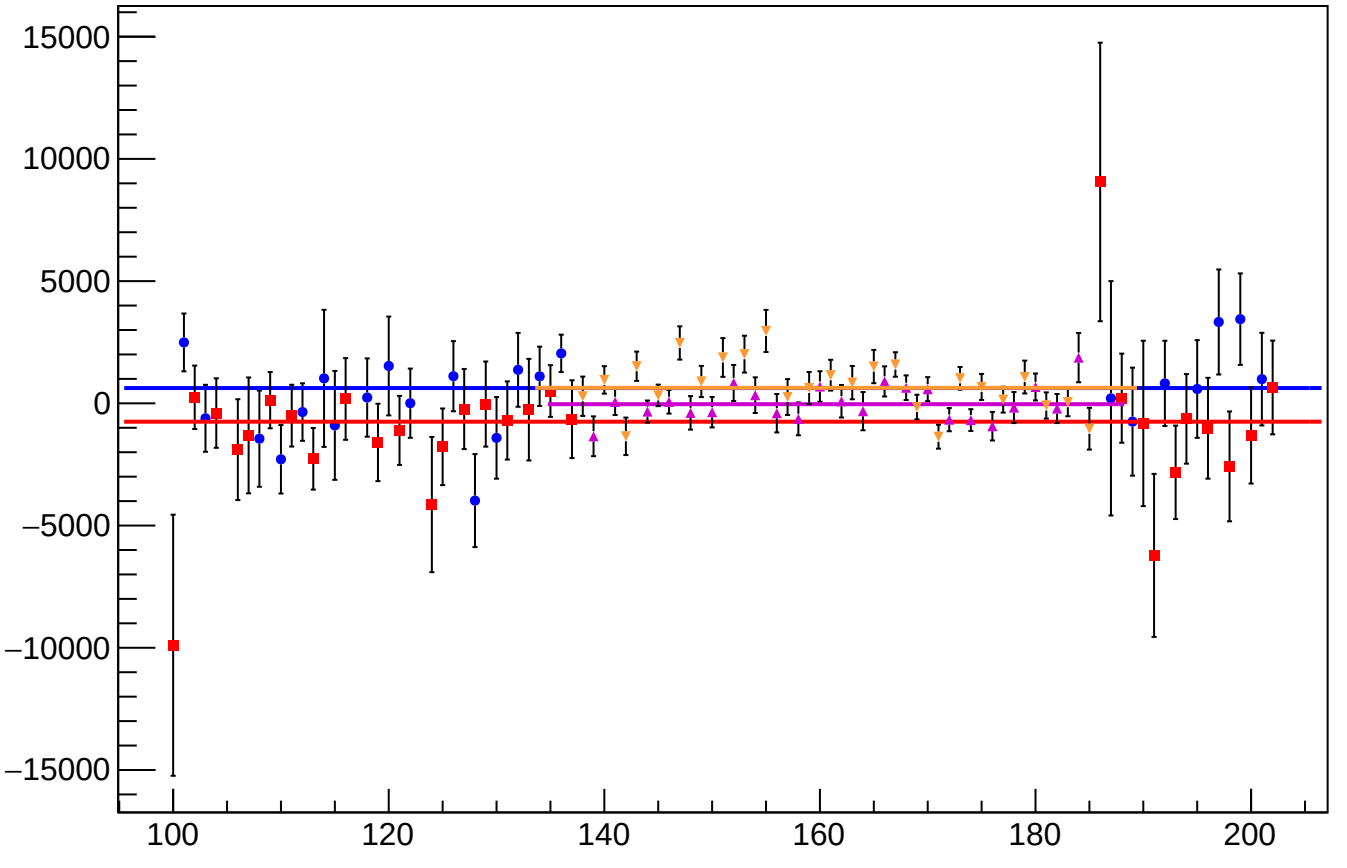
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1094.668+/-0.159 χ^2/NDF: 5788031.4/51

In: 583.654+/-0.081 χ^2/NDF:8752094.2/45

Out: 592.891+/-0.079 χ^2/NDF:11050965.5/53

All: 588.383+/-0.056 χ^2/NDF: 19809752.3/99



Right In: 624.960+/-320.189 χ^2/NDF: 26.0/22

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -751.429+/-316.226 χ^2/NDF: 18.8/28

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

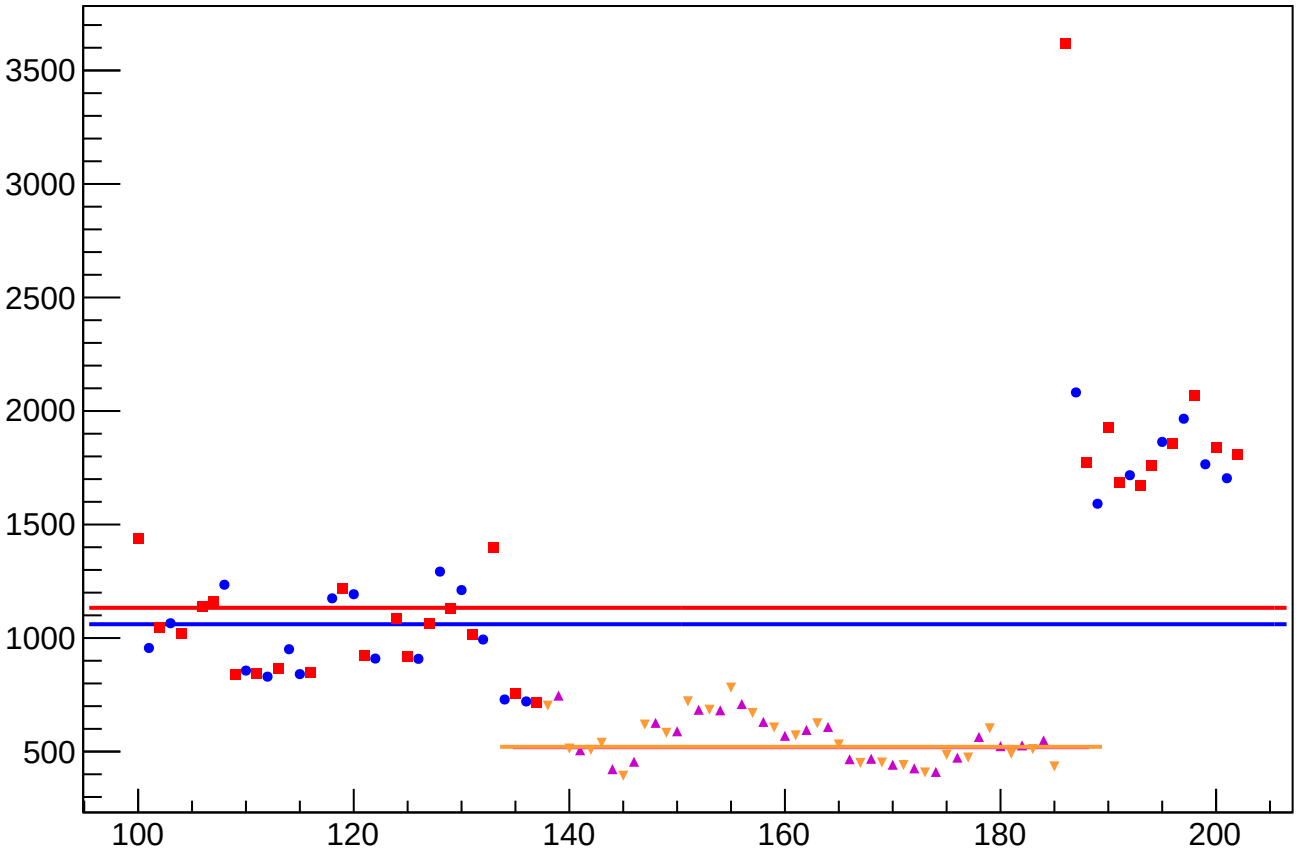
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -71.805+/-224.993 χ^2/NDF: 54.1/51

In: 50.656+/-115.240 χ^2/NDF:54.8/45

Out: 458.468+/-112.779 χ^2/NDF:100.0/53

All: 258.964+/-80.603 χ^2/NDF: 161.2/99



Right In: 1060.867+/-0.226 χ^2/NDF: 2512559.6/22

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1133.168+/-0.224 χ^2/NDF: 3223367.9/28

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

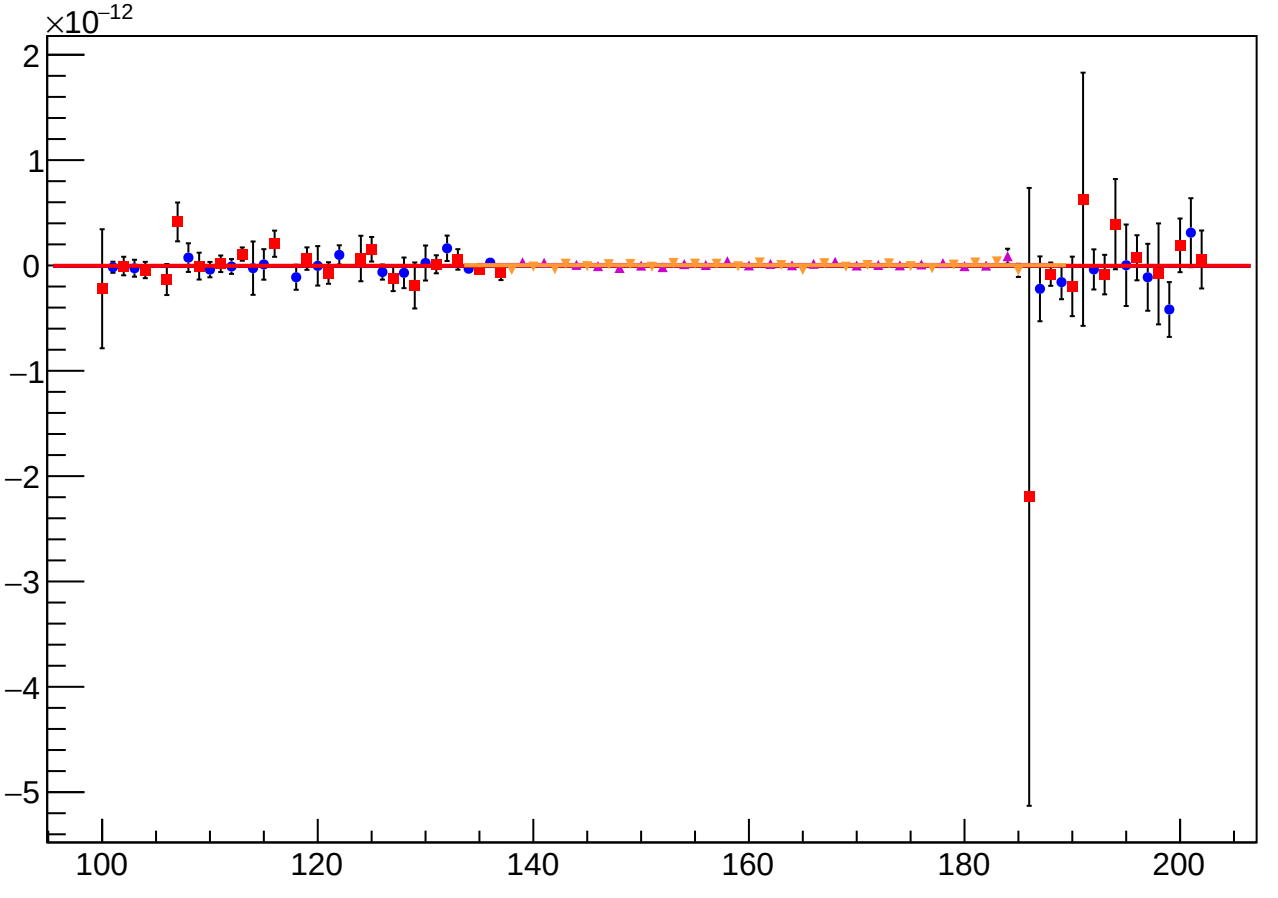
Right: 1097.468+/-0.159 χ^2/NDF: 5787552.7/51

In: 589.400+/-0.081 χ^2/NDF:8594717.1/45

Out: 598.885+/-0.080 χ^2/NDF:11007621.4/53

All: 594.245+/-0.057 χ^2/NDF: 19609258.7/99

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/28

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

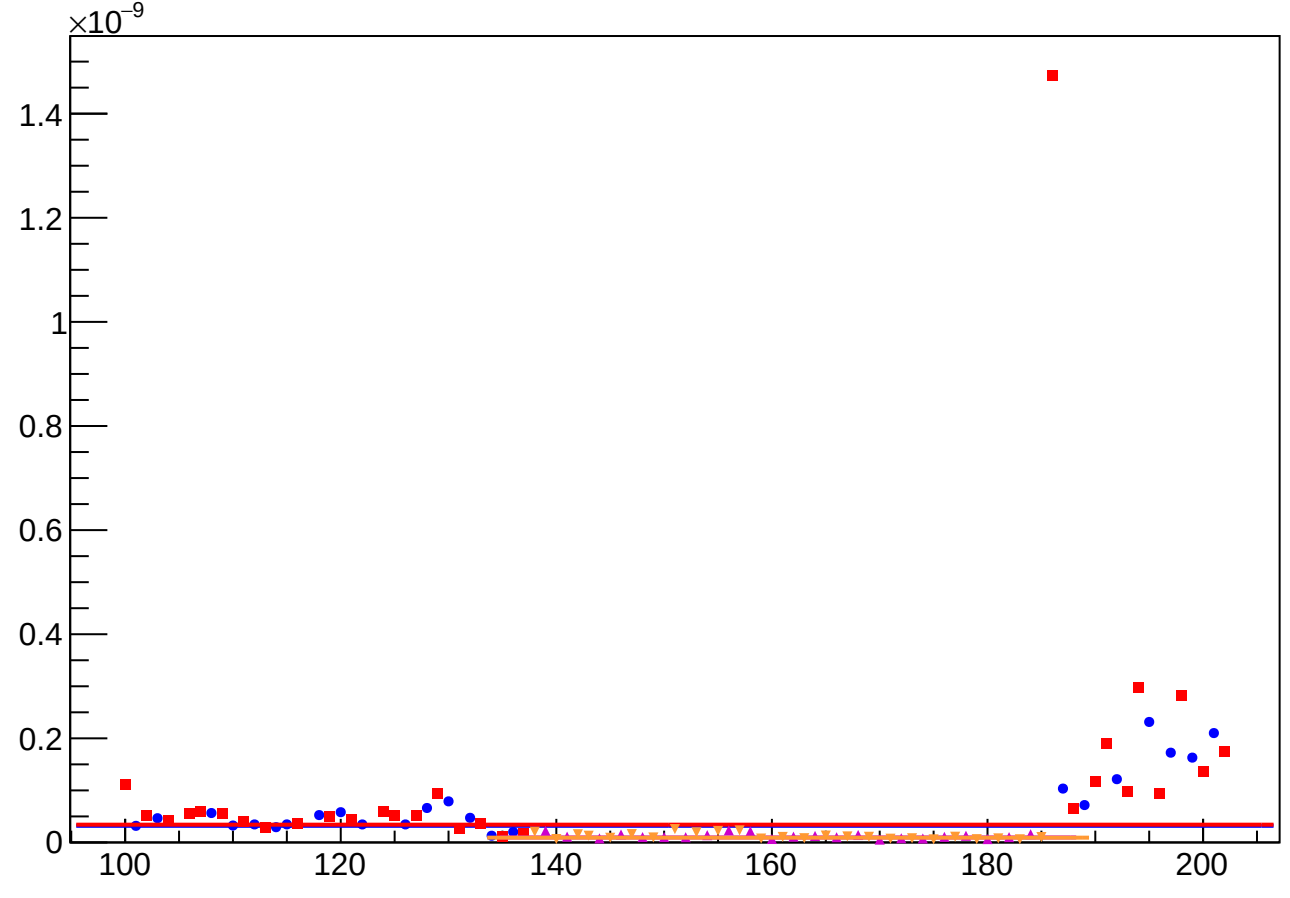
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 35.2/51

In: 0.000+/-0.000 χ^2/NDF:23.2/45

Out: 0.000+/-0.000 χ^2/NDF:45.6/53

All: 0.000+/-0.000 χ^2/NDF: 69.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 3923338.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5152478.8/28

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

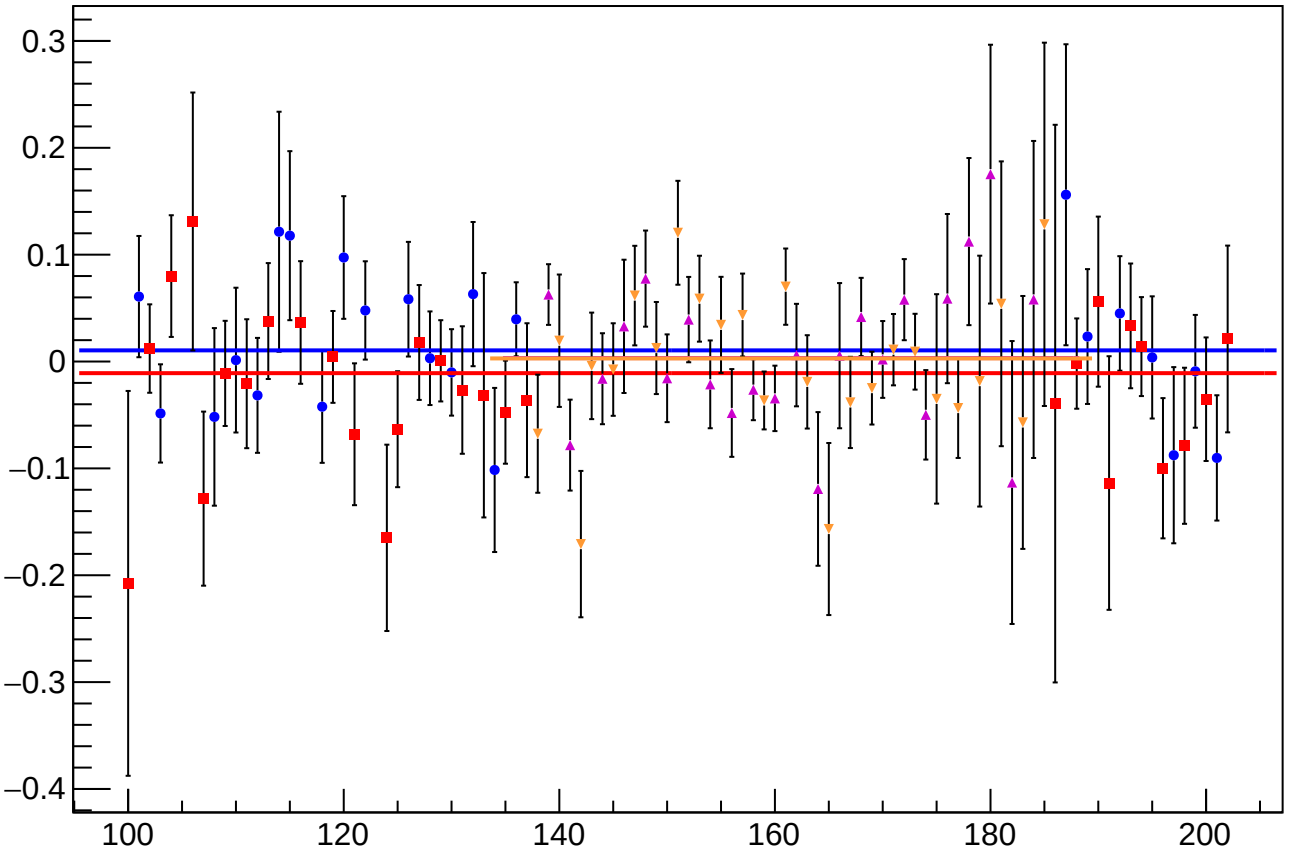
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9090658.6/51

In: 0.000+/-0.000 χ^2/NDF:8673967.6/45

Out: 0.000+/-0.000 χ^2/NDF:10727870.4/53

All: 0.000+/-0.000 χ^2/NDF: 19419702.6/99



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

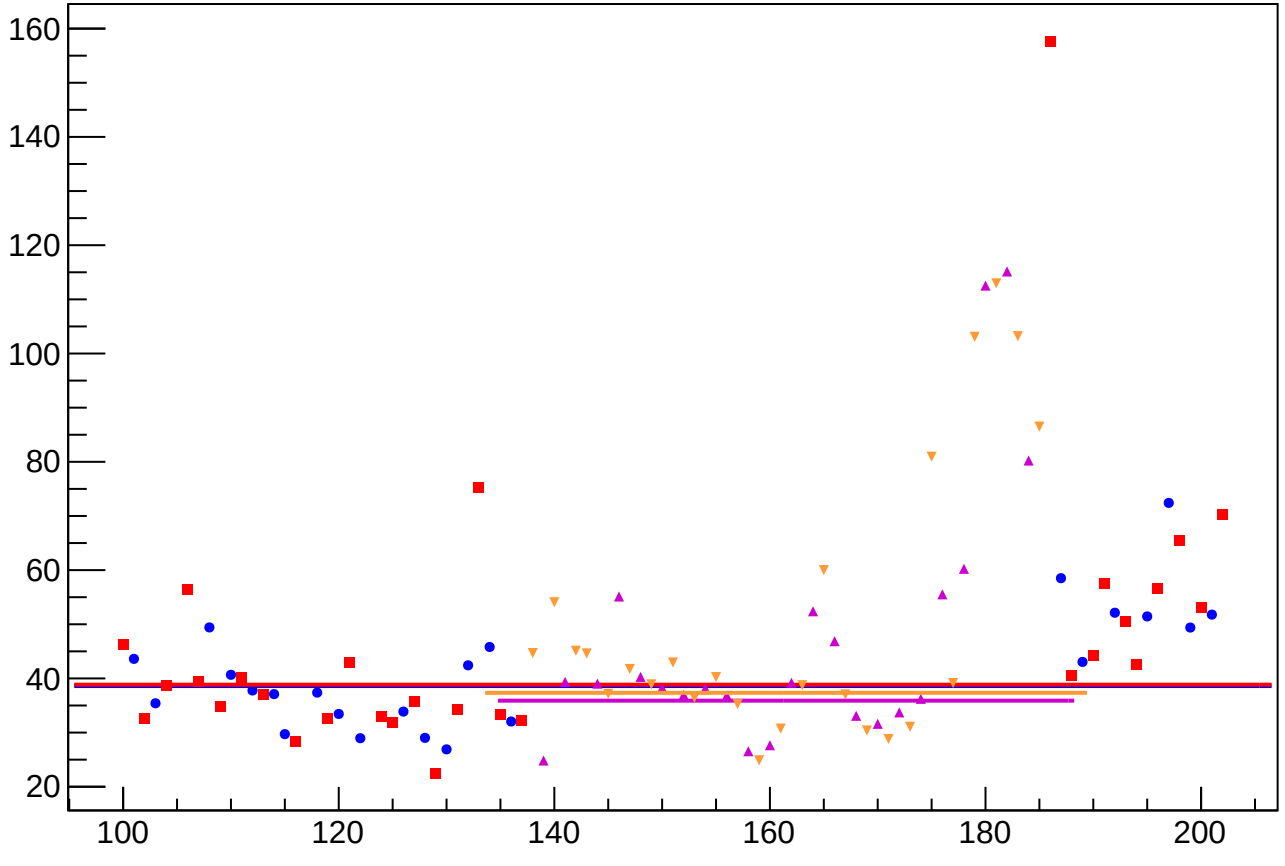
Right: -0.001+/-0.008 χ^2/NDF: 43.2/51

In: 0.006+/-0.007 χ^2/NDF:51.0/45

Out: -0.003+/-0.007 χ^2/NDF:54.3/53

All: 0.002+/-0.005 χ^2/NDF: 106.1/99

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.593+/-0.008 χ^2/NDF: 1366095.9/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.844+/-0.008 χ^2/NDF: 2268190.4/28

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

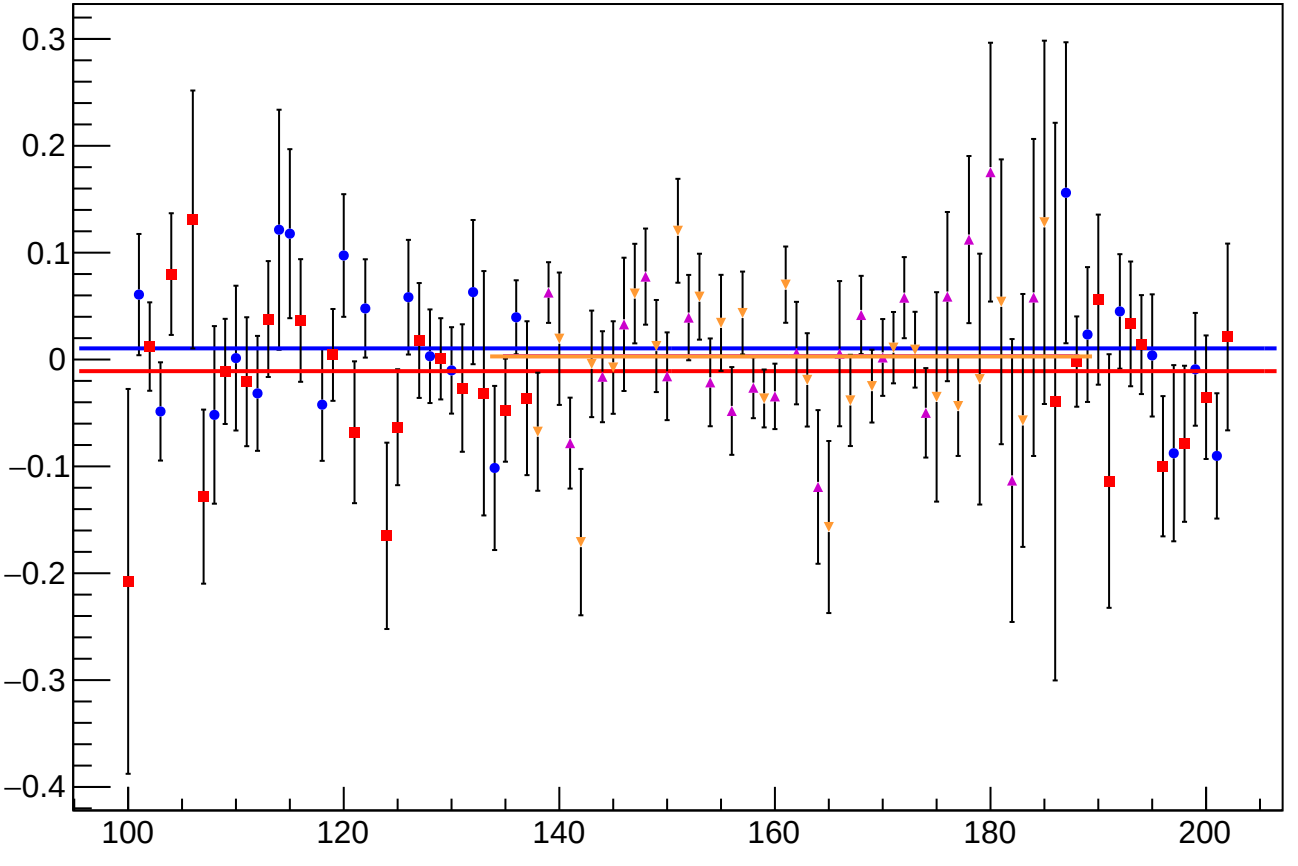
Right: 38.725+/-0.006 χ^2/NDF: 3634772.0/51

In: 36.922+/-0.005 χ^2/NDF:4570384.5/45

Out: 37.961+/-0.005 χ^2/NDF:5986414.4/53

All: 37.449+/-0.004 χ^2/NDF: 10577840.6/99

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

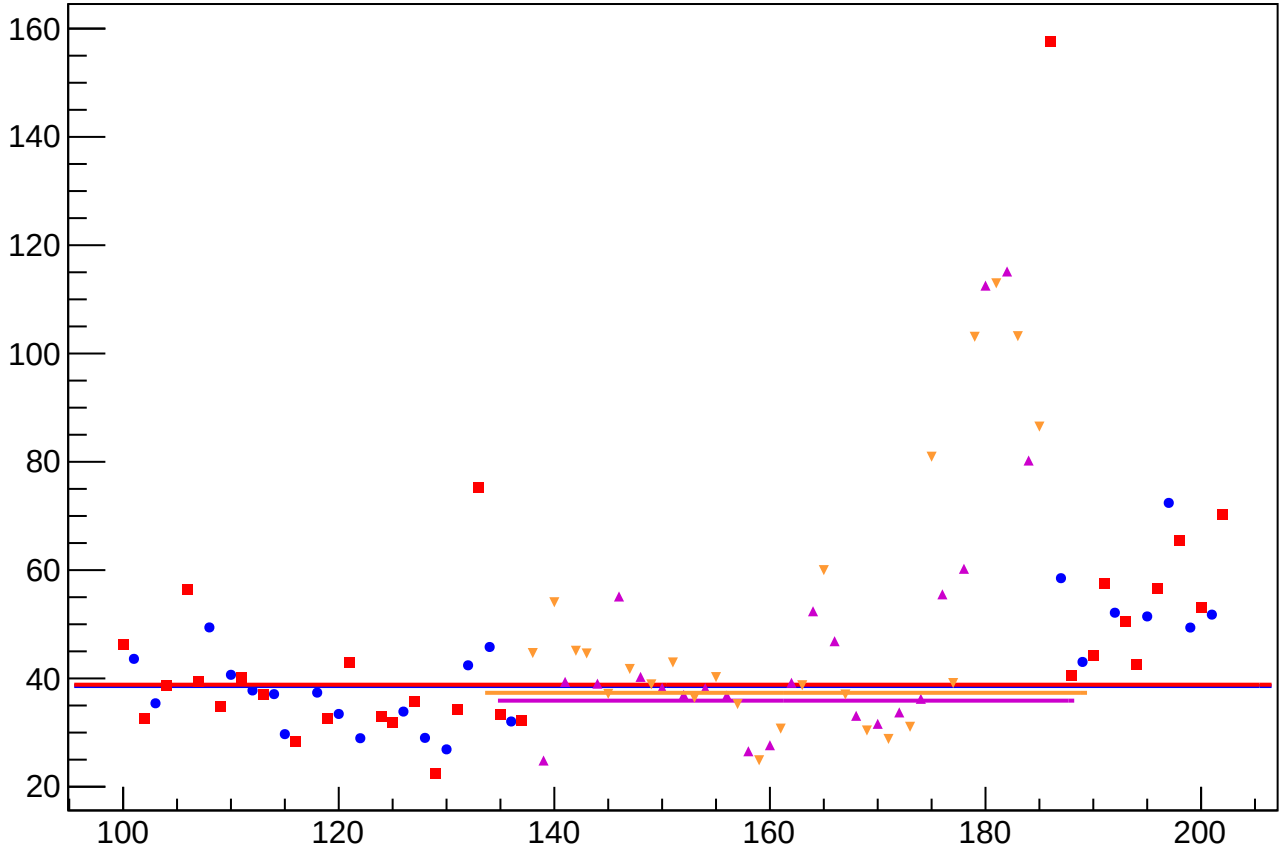
Right: -0.001+/-0.008 χ^2/NDF: 43.2/51

In: 0.006+/-0.007 χ^2/NDF:51.0/45

Out: -0.003+/-0.007 χ^2/NDF:54.3/53

All: 0.002+/-0.005 χ^2/NDF: 106.1/99

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.593+/-0.008 χ^2/NDF: 1366095.9/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.844+/-0.008 χ^2/NDF: 2268190.4/28

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

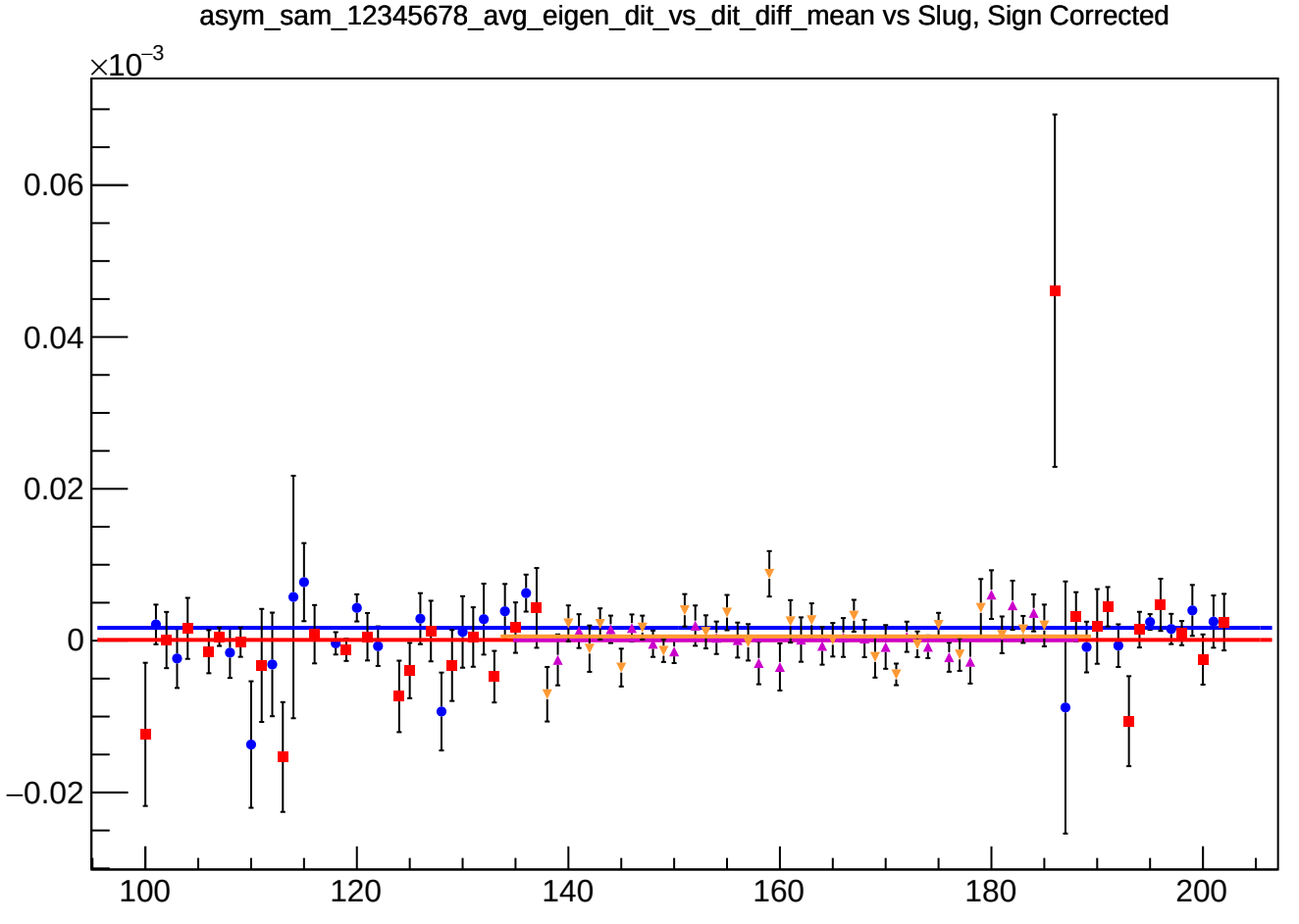
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.725+/-0.006 χ^2/NDF: 3634772.0/51

In: 36.922+/-0.005 χ^2/NDF:4570384.5/45

Out: 37.961+/-0.005 χ^2/NDF:5986414.4/53

All: 37.449+/-0.004 χ^2/NDF: 10577840.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/28

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

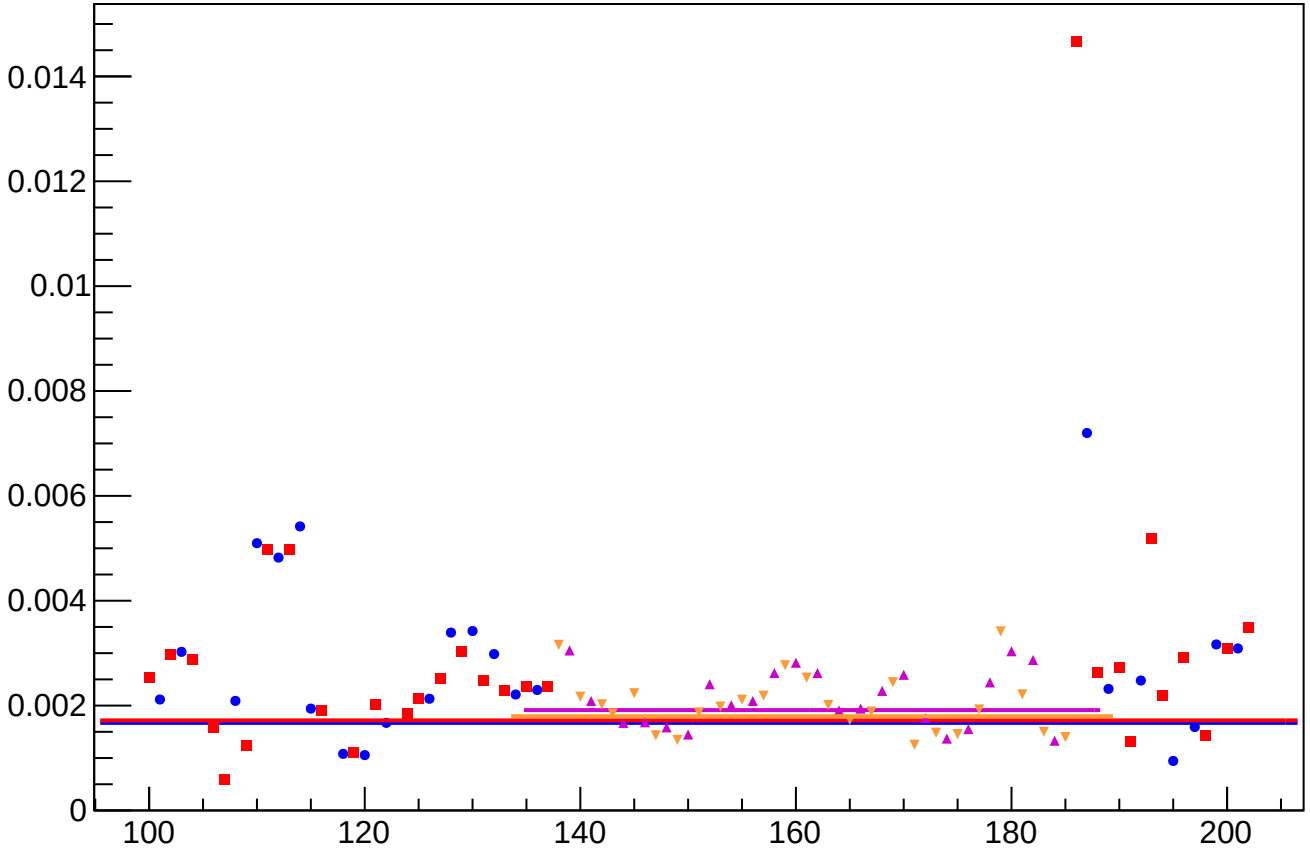
Right: 0.000+/-0.000 χ^2/NDF: 57.8/51

In: 0.000+/-0.000 χ^2/NDF:45.8/45

Out: 0.000+/-0.000 χ^2/NDF:73.7/53

All: 0.000+/-0.000 χ^2/NDF: 120.0/99

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4832769.9/22

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6701498.7/28

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

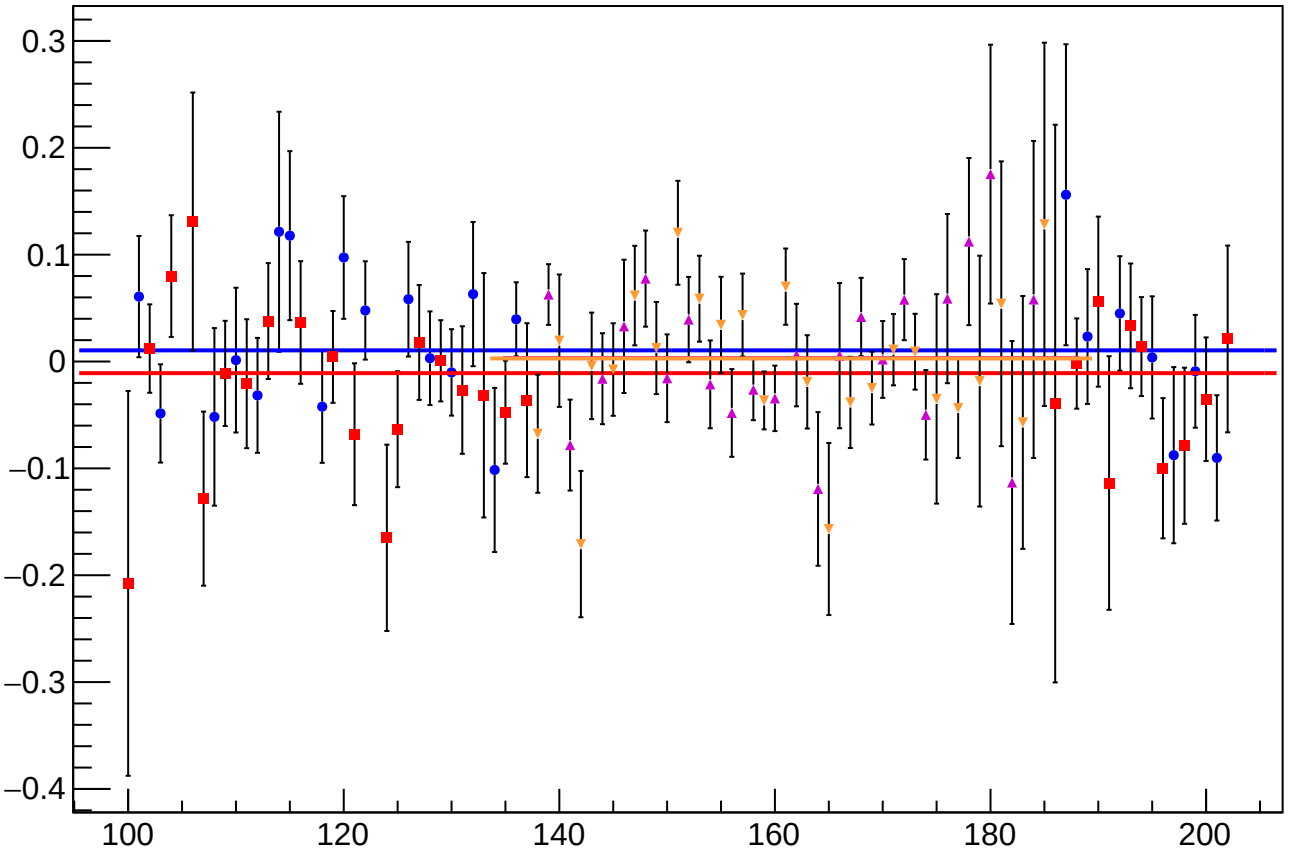
Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11542076.8/51

In: 0.002+/-0.000 χ^2/NDF:7234748.8/45

Out: 0.002+/-0.000 χ^2/NDF:9007743.4/53

All: 0.002+/-0.000 χ^2/NDF: 16260075.1/99



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

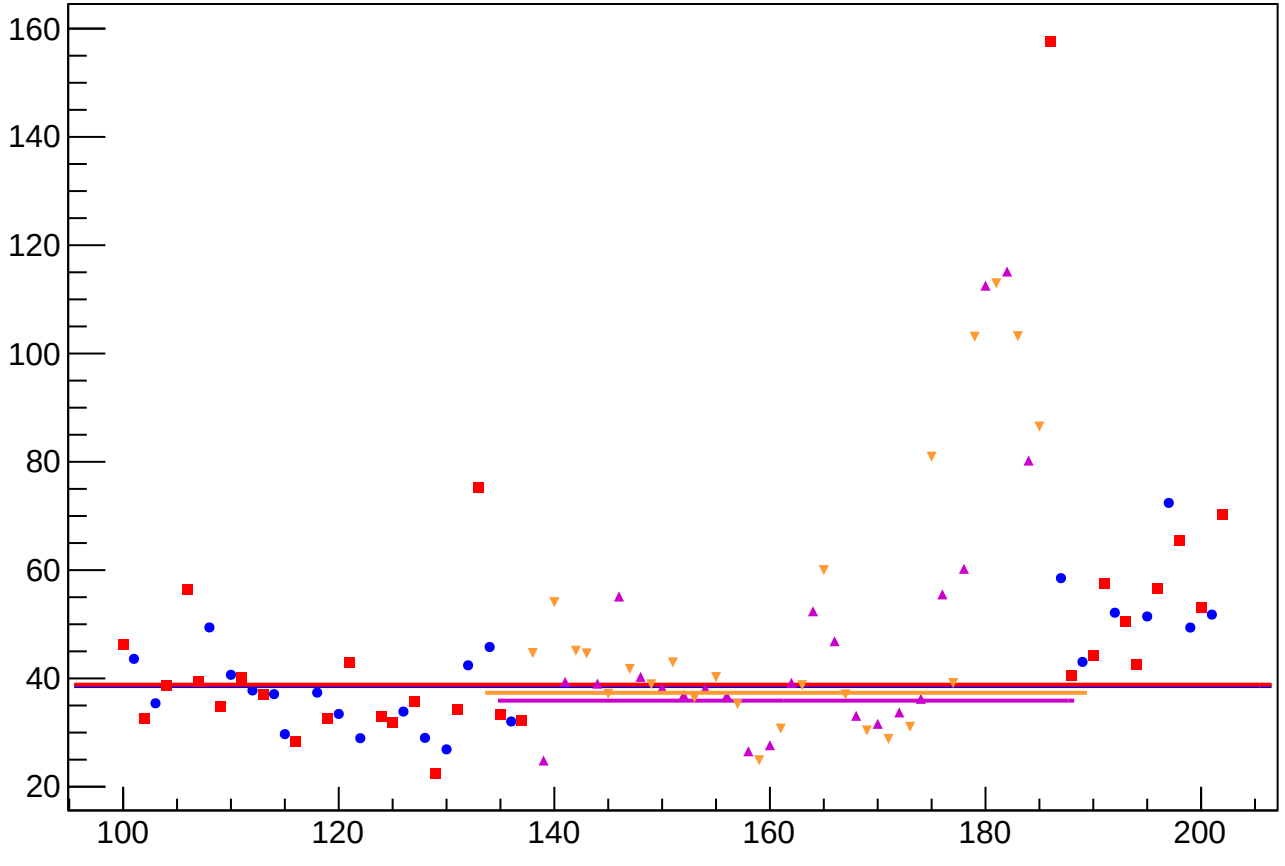
Right: -0.001+/-0.008 χ^2/NDF: 43.2/51

In: 0.006+/-0.007 χ^2/NDF:51.0/45

Out: -0.003+/-0.007 χ^2/NDF:54.3/53

All: 0.002+/-0.005 χ^2/NDF: 106.1/99

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.592+/-0.008 χ^2/NDF: 1366210.3/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.843+/-0.008 χ^2/NDF: 2268310.6/28

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

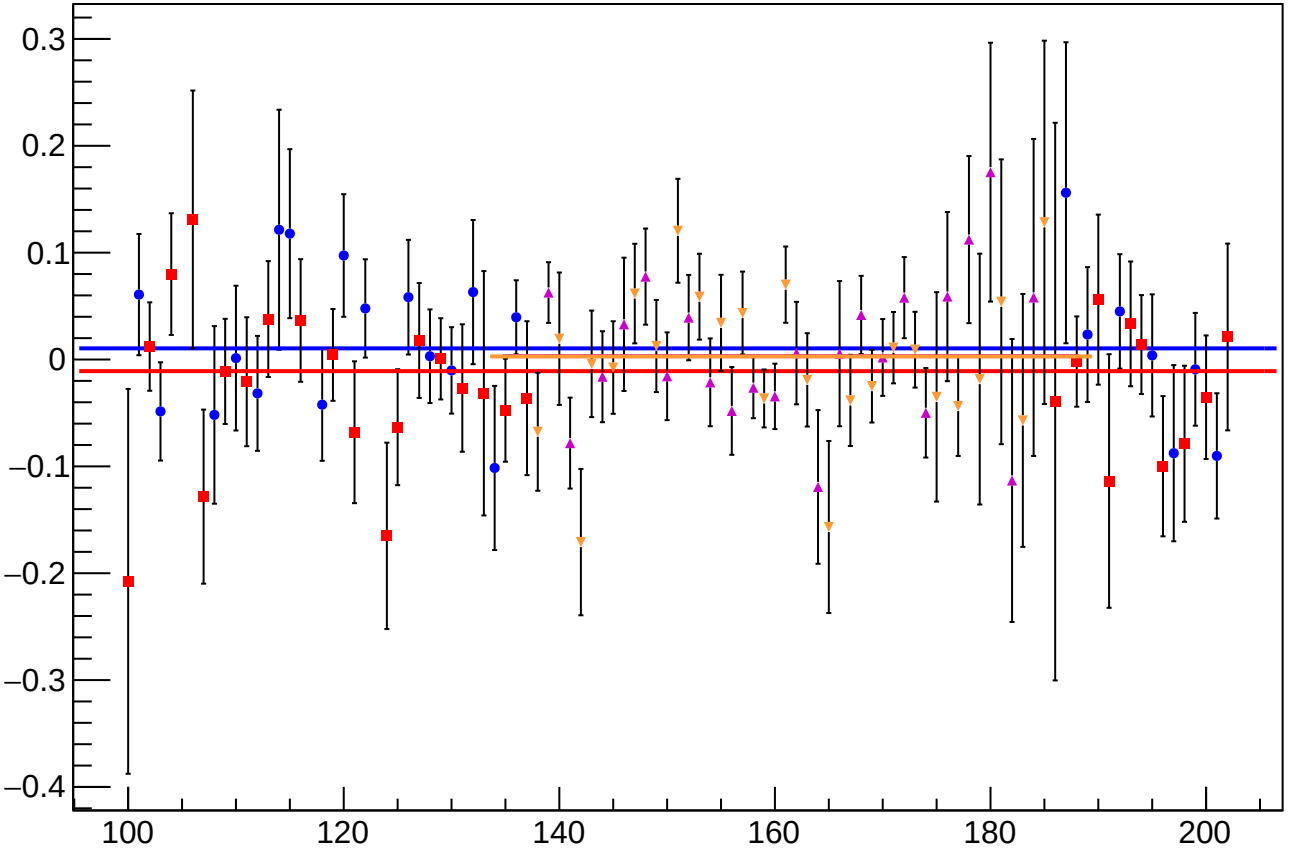
Right: 38.724+/-0.006 χ^2/NDF: 3635008.0/51

In: 36.923+/-0.005 χ^2/NDF:4570464.4/45

Out: 37.961+/-0.005 χ^2/NDF:5986567.4/53

All: 37.449+/-0.004 χ^2/NDF: 10578074.5/99

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

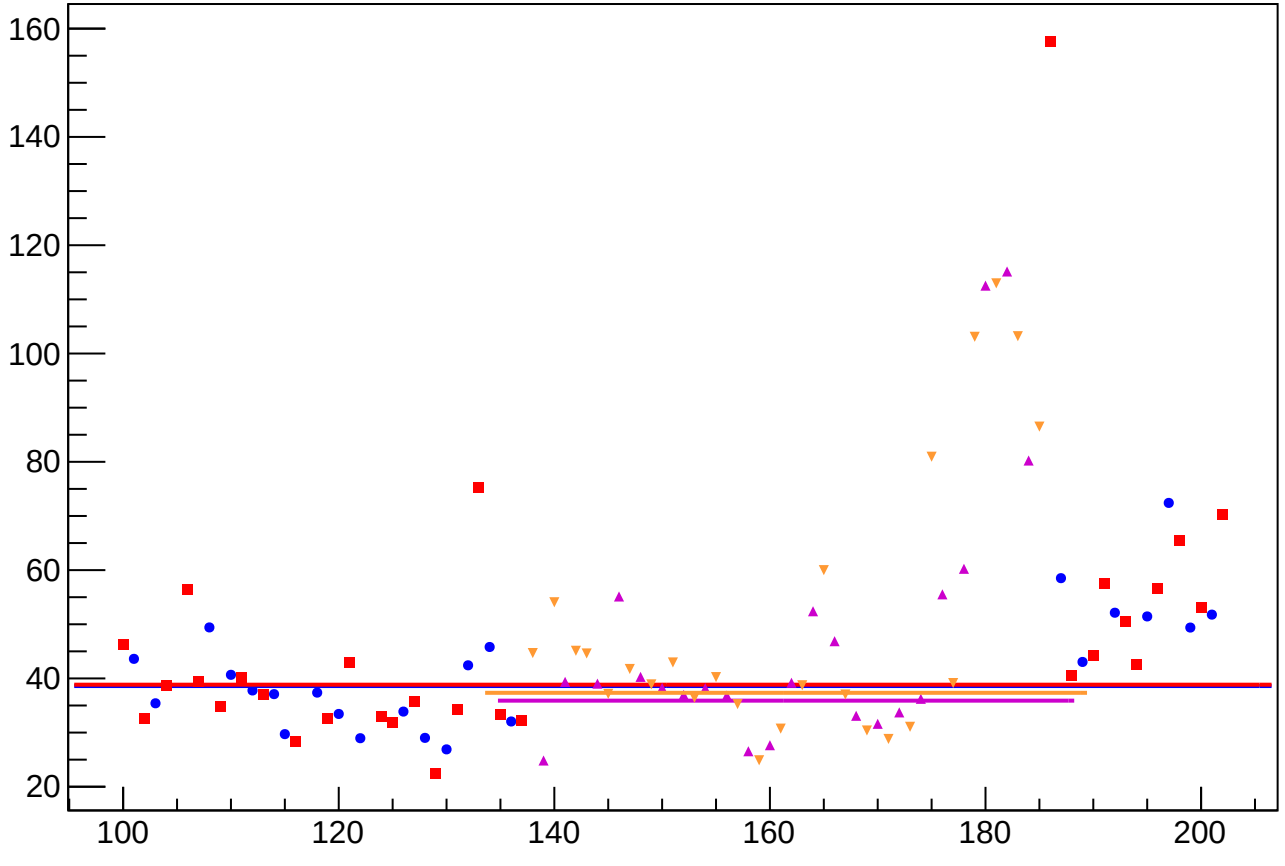
Right: -0.001+/-0.008 χ^2/NDF: 43.2/51

In: 0.006+/-0.007 χ^2/NDF:51.0/45

Out: -0.003+/-0.007 χ^2/NDF:54.3/53

All: 0.002+/-0.005 χ^2/NDF: 106.1/99

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.592+/-0.008 χ^2/NDF: 1366210.3/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.843+/-0.008 χ^2/NDF: 2268310.6/28

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

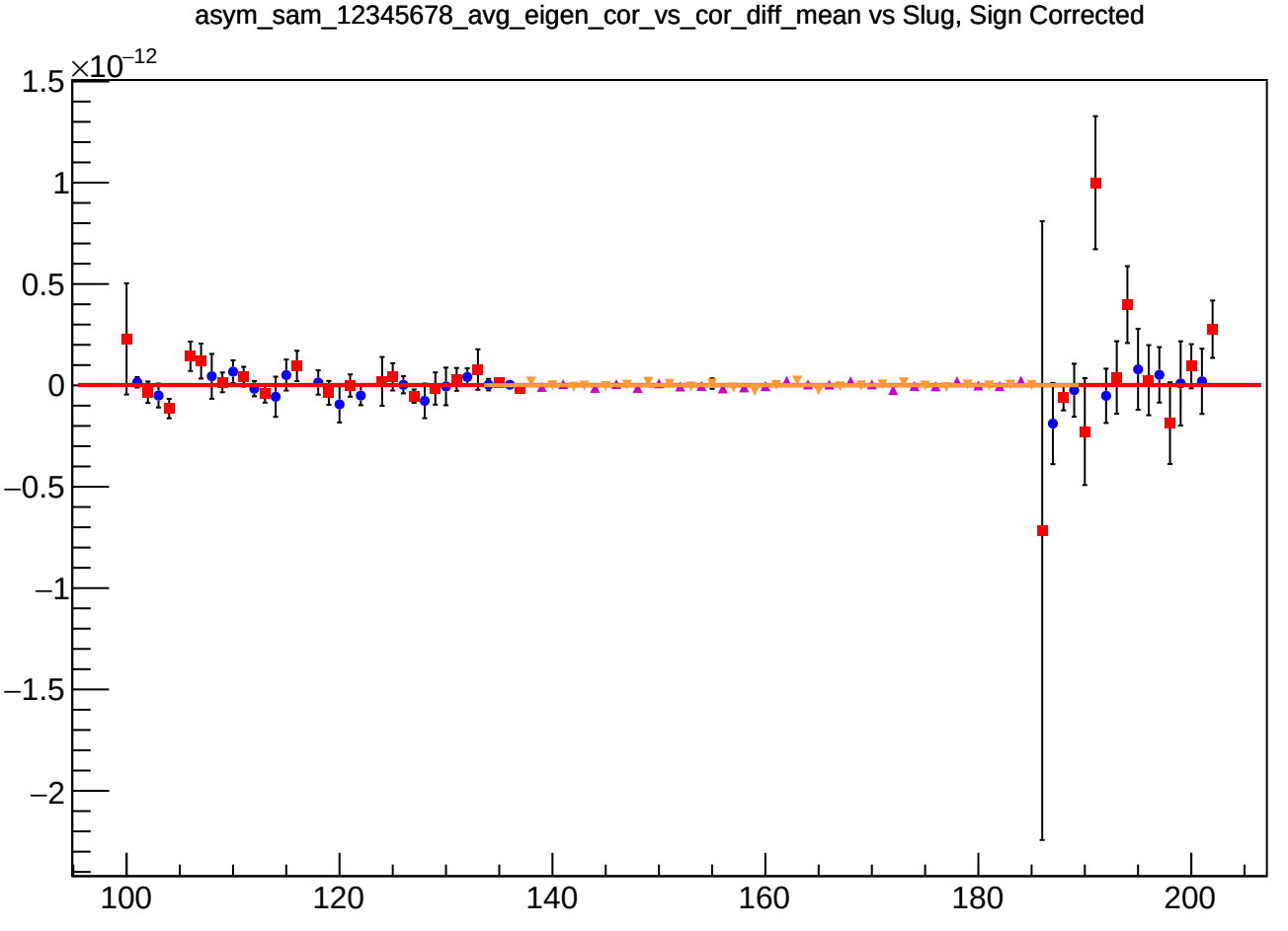
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 38.724+/-0.006 χ^2/NDF: 3635008.0/51

In: 36.923+/-0.005 χ^2/NDF:4570464.4/45

Out: 37.961+/-0.005 χ^2/NDF:5986567.4/53

All: 37.449+/-0.004 χ^2/NDF: 10578074.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 42.6/28

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

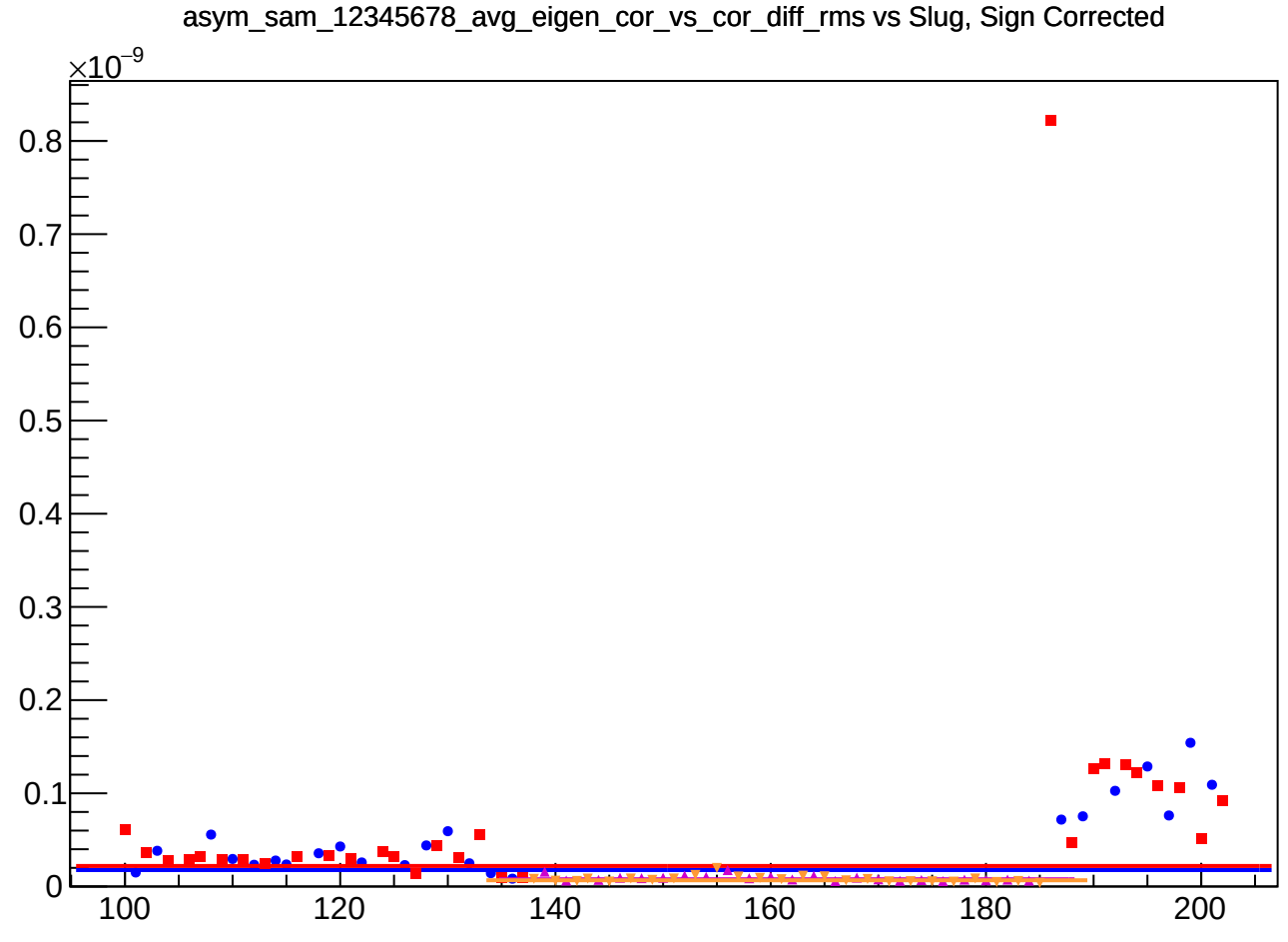
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 51.7/51

In: 0.000+/-0.000 χ^2/NDF:38.3/45

Out: 0.000+/-0.000 χ^2/NDF:64.0/53

All: 0.000+/-0.000 χ^2/NDF: 102.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 6732874.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6760938.8/28

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

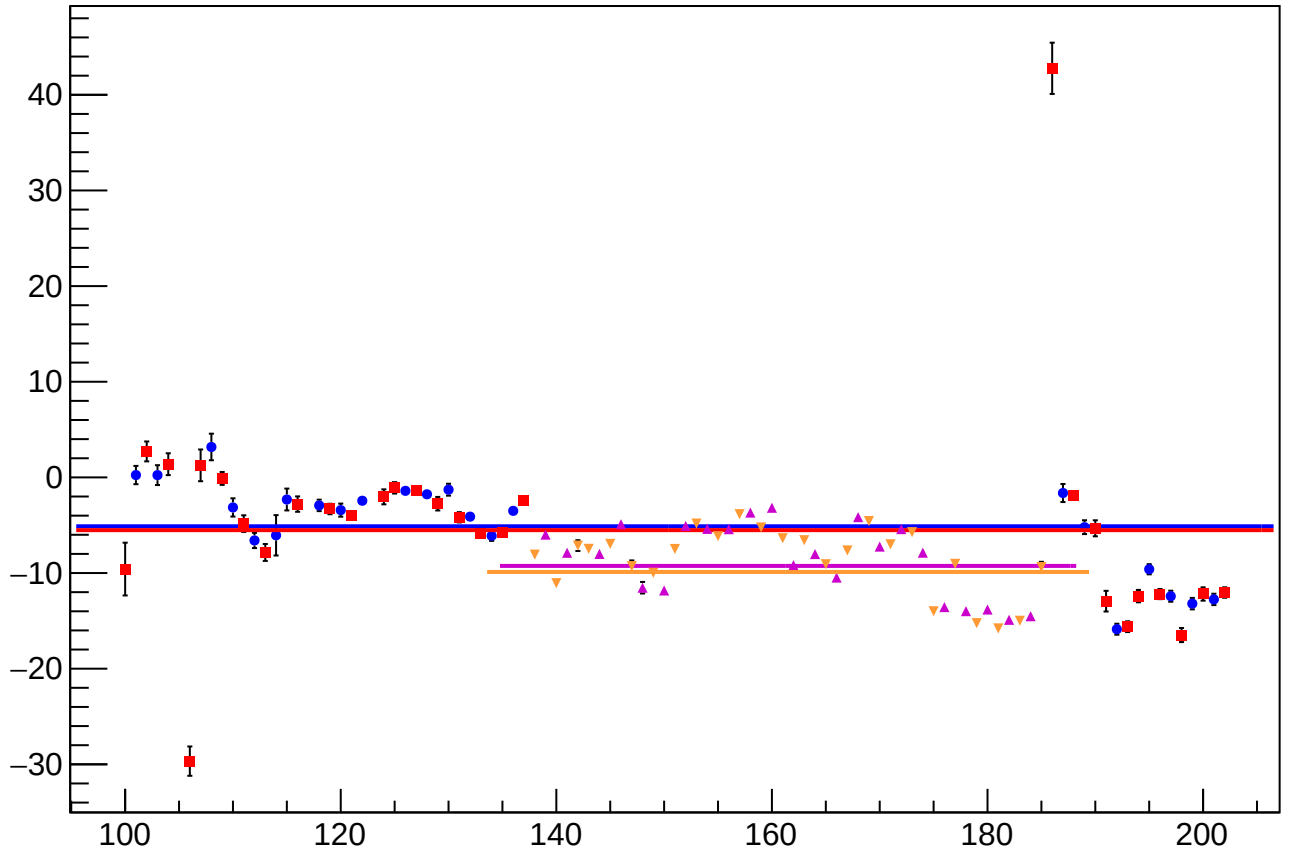
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13716178.8/51

In: 0.000+/-0.000 χ^2/NDF:10761725.4/45

Out: 0.000+/-0.000 χ^2/NDF:13528335.2/53

All: 0.000+/-0.000 χ^2/NDF: 24571845.7/99



Right In: -5.112+/-0.117 χ^2/NDF: 1308.5/22

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.516+/-0.112 χ^2/NDF: 2251.6/28

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

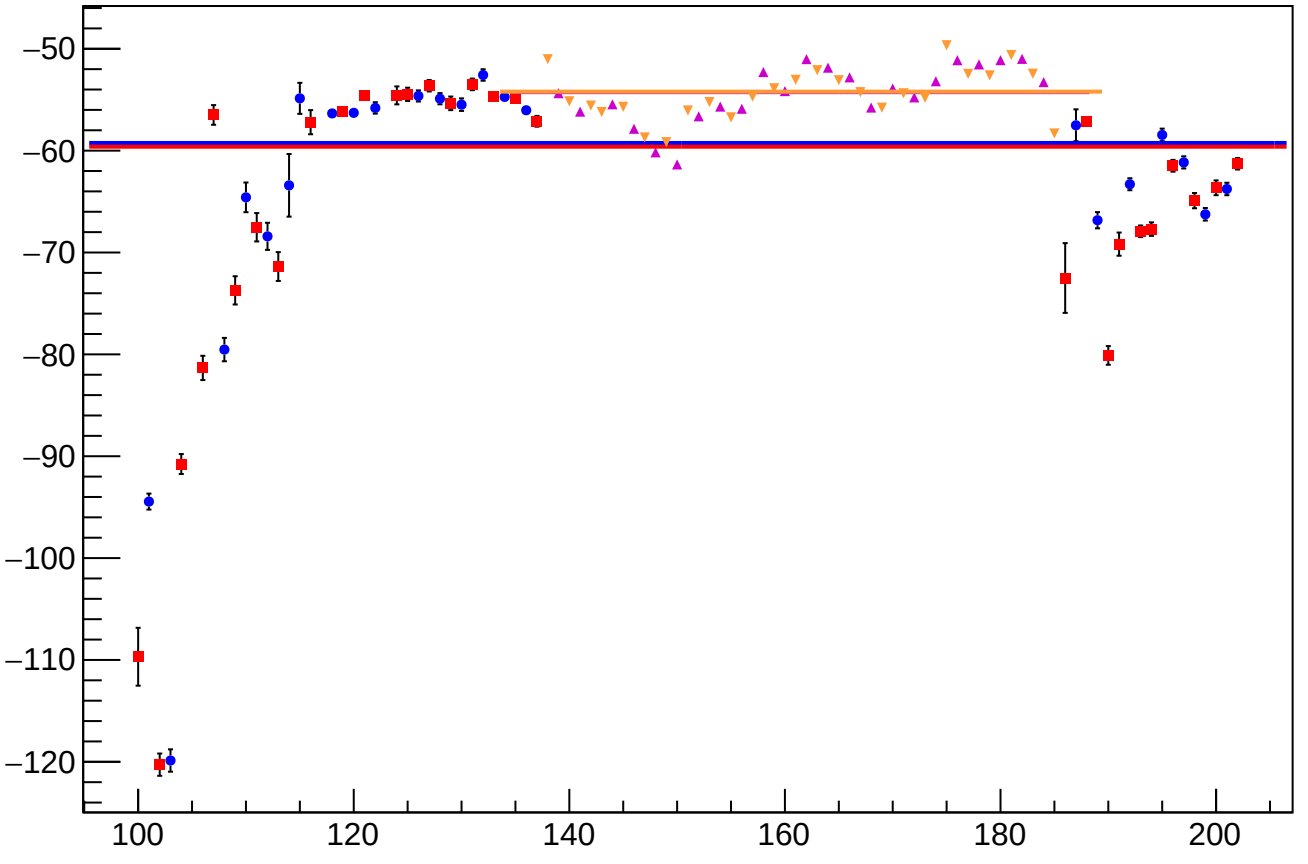
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.323+/-0.081 χ^2/NDF: 3566.2/51

In: -8.127+/-0.061 χ^2/NDF:5286.9/45

Out: -8.676+/-0.059 χ^2/NDF:6552.5/53

All: -8.410+/-0.042 χ^2/NDF: 11881.2/99



Right In: -59.247+/-0.120 χ^2/NDF: 6520.7/22

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.613+/-0.116 χ^2/NDF: 7038.6/28

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

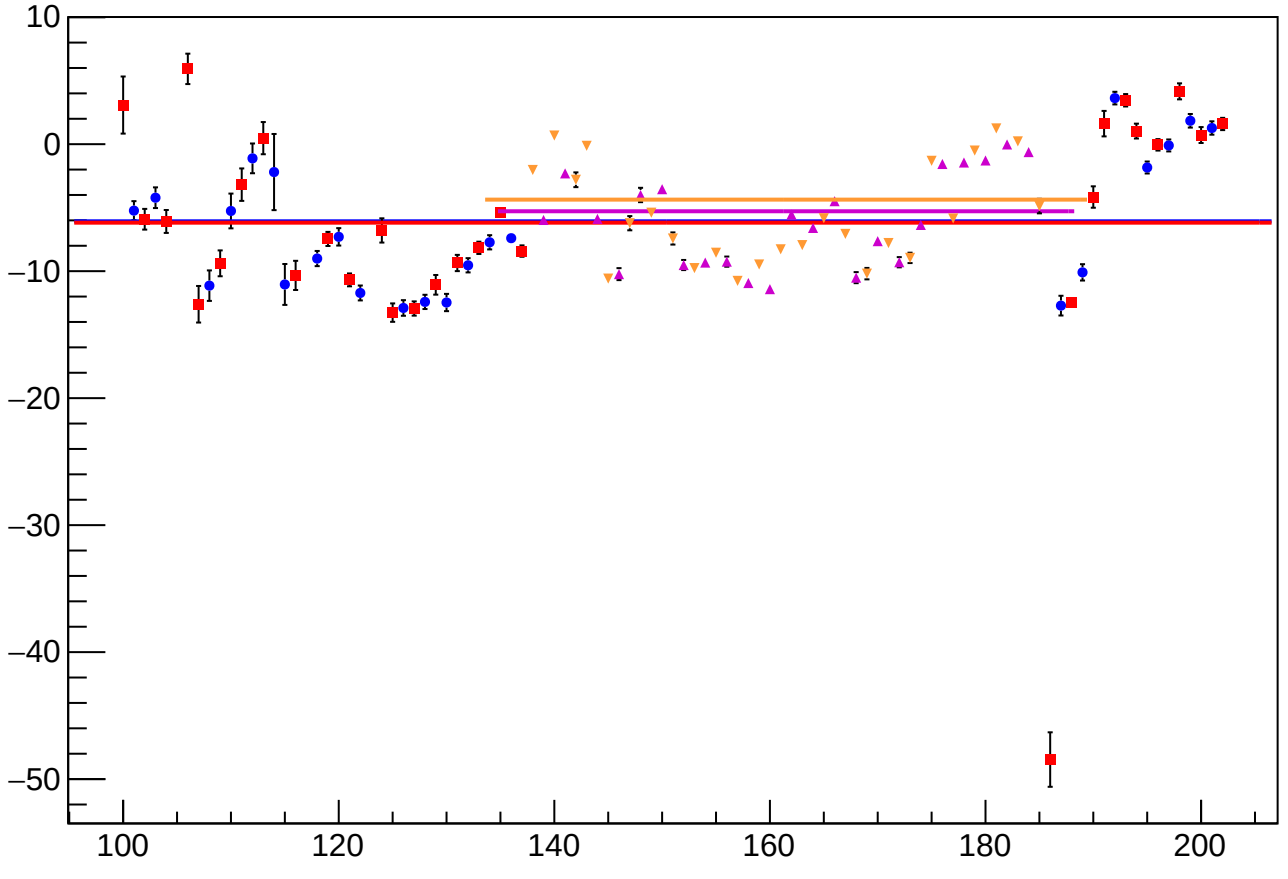
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.435+/-0.083 χ^2/NDF: 13564.2/51

In: -55.217+/-0.052 χ^2/NDF:10418.6/45

Out: -55.216+/-0.050 χ^2/NDF:10648.3/53

All: -55.216+/-0.036 χ^2/NDF: 21066.9/99



Right In: -6.074+/-0.118 χ^2/NDF: 1741.0/22

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.181+/-0.111 χ^2/NDF: 3038.4/28

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

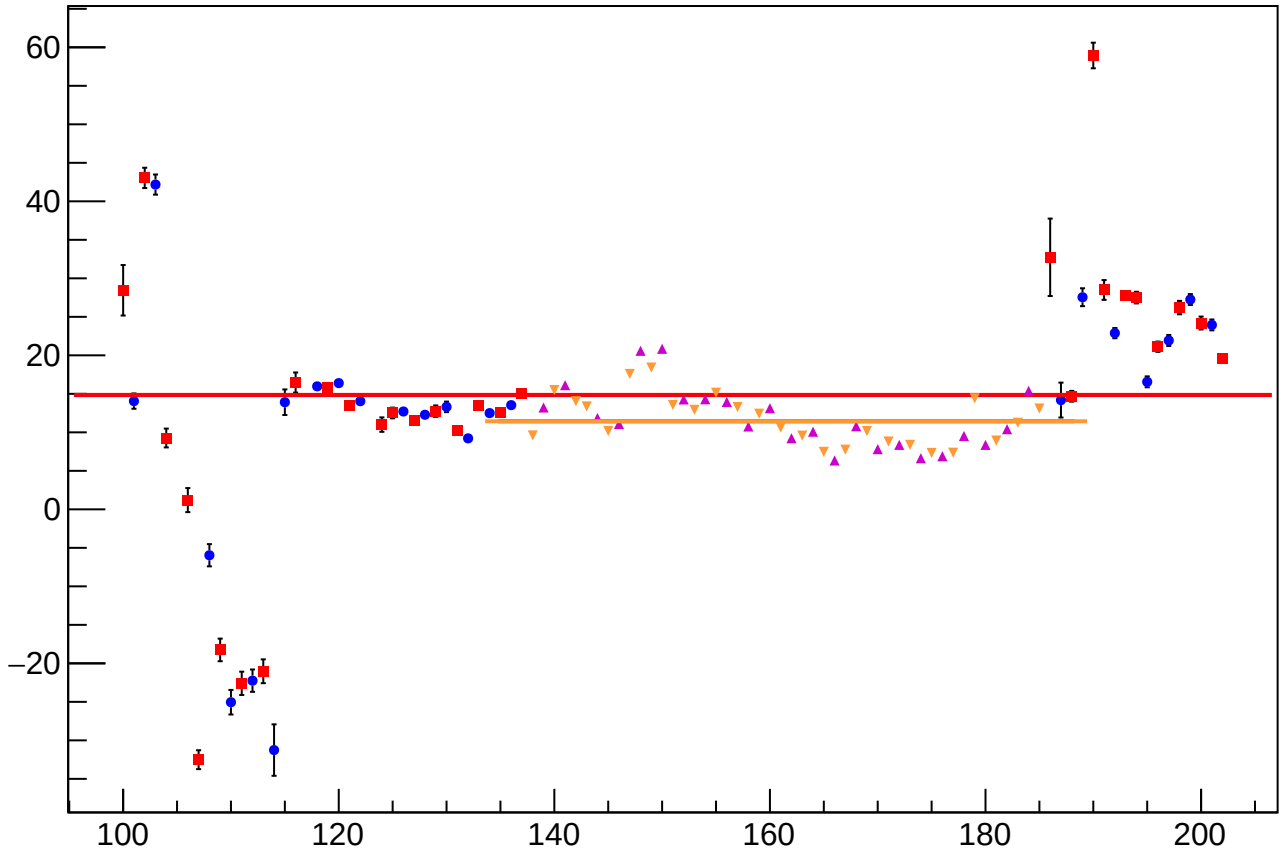
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.130+/-0.081 χ^2/NDF: 4779.9/51

In: -5.494+/-0.061 χ^2/NDF:4524.2/45

Out: -4.875+/-0.059 χ^2/NDF:6932.3/53

All: -5.173+/-0.042 χ^2/NDF: 11510.0/99



Right In: 14.838+/-0.134 χ^2/NDF: 3146.6/22

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.862+/-0.133 χ^2/NDF: 5860.9/28

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

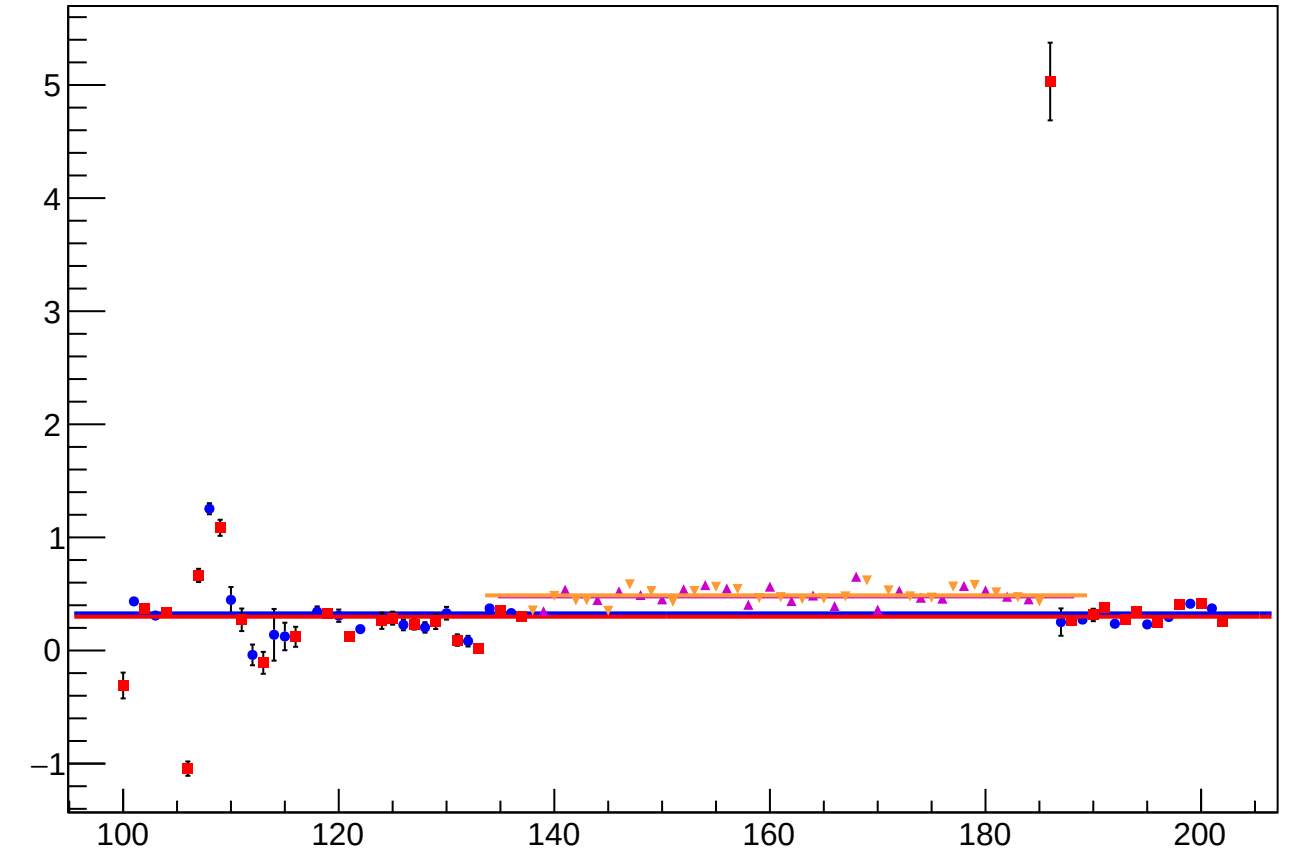
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

Right: 14.850+/-0.095 χ^2/NDF: 9007.5/51

In: 12.072+/-0.058 χ^2/NDF:7025.4/45

Out: 12.046+/-0.056 χ^2/NDF:8838.6/53

All: 12.059+/-0.040 χ^2/NDF: 15864.1/99



Right In: 0.328+/-0.006 χ^2/NDF: 504.5/22

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.299+/-0.006 χ^2/NDF: 1038.0/28

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

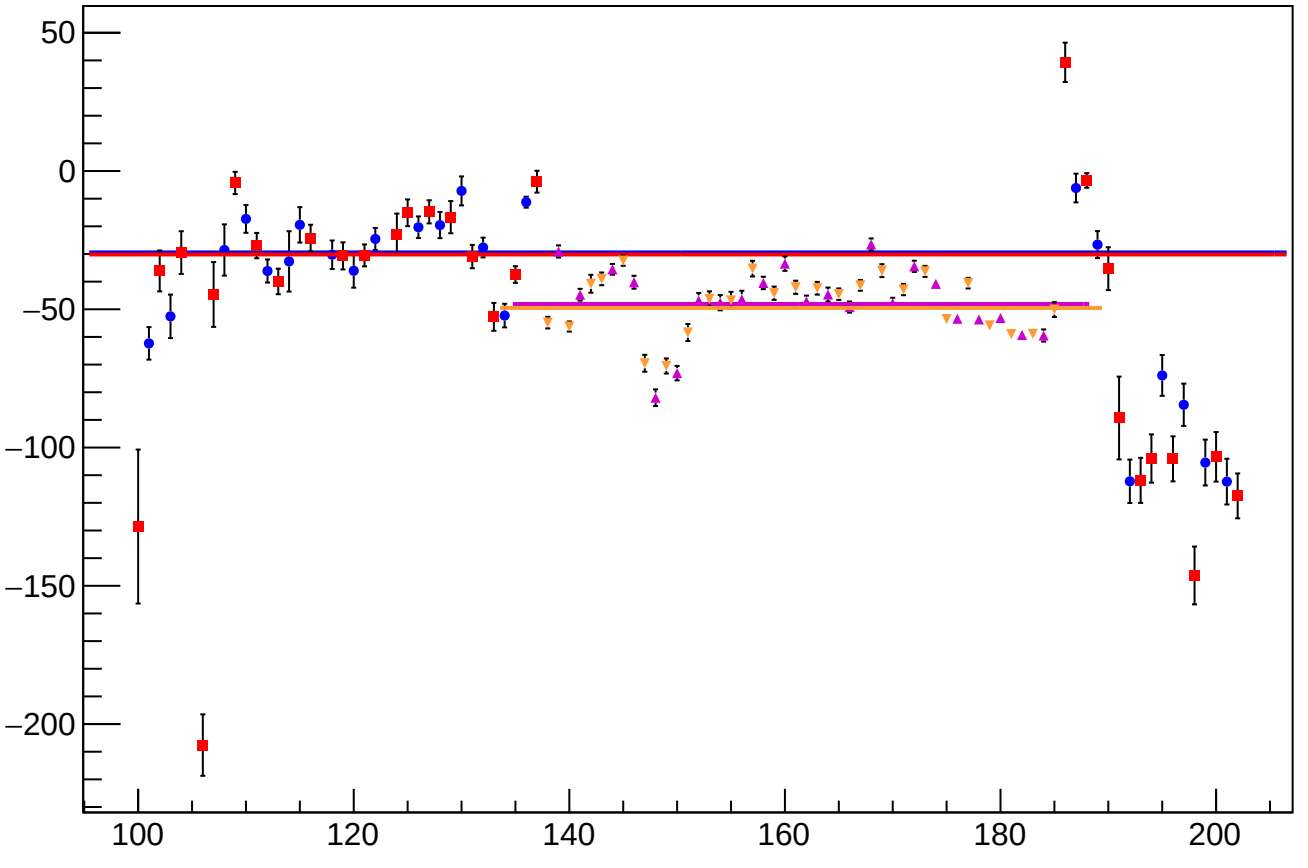
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.313+/-0.004 χ^2/NDF: 1554.9/51

In: 0.452+/-0.002 χ^2/NDF:1826.2/45

Out: 0.454+/-0.002 χ^2/NDF:2433.9/53

All: 0.453+/-0.002 χ^2/NDF: 4260.5/99



Right In: -29.442+/-0.996 χ^2/NDF: 598.4/22

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.175+/-0.982 χ^2/NDF: 1191.9/28

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

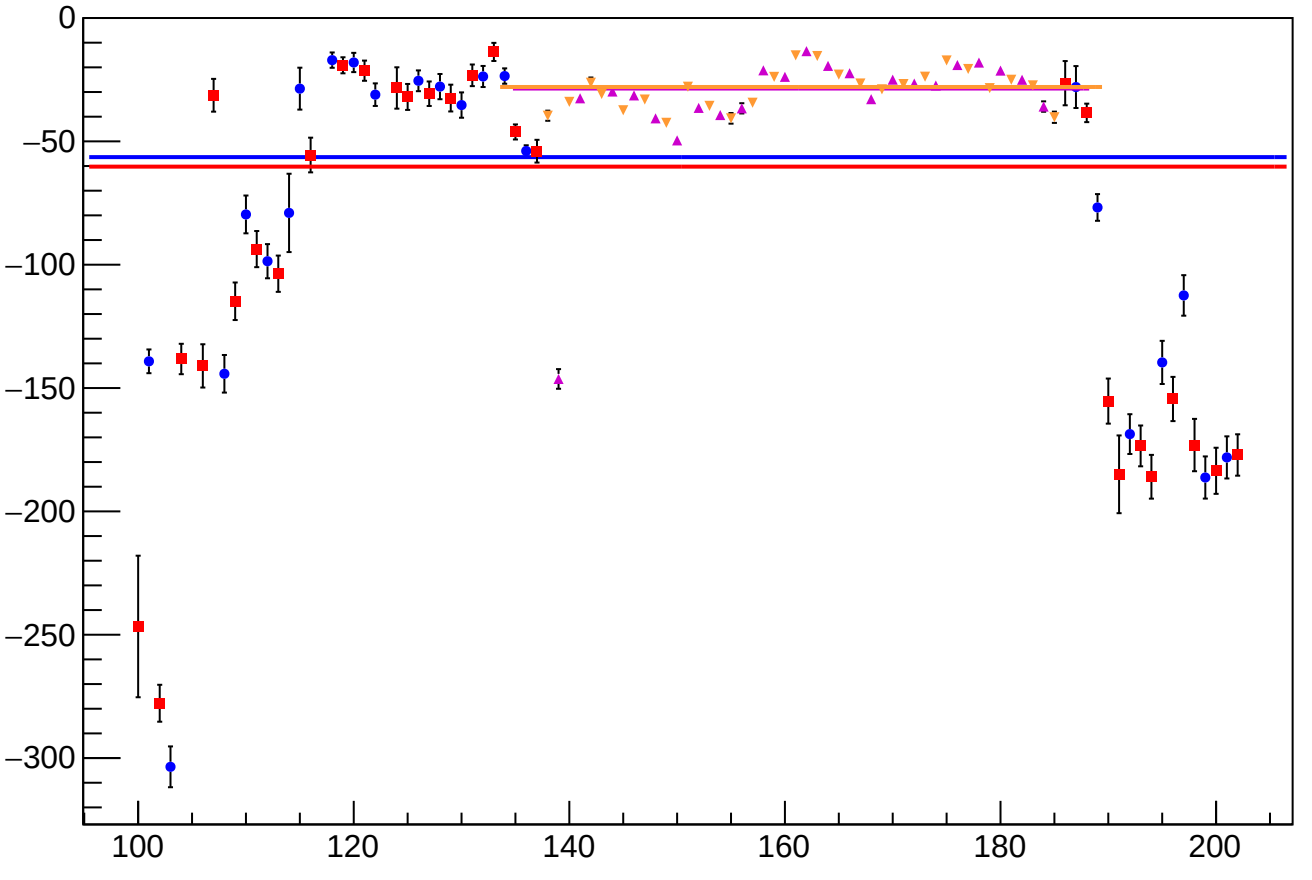
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -29.814+/-0.699 χ^2/NDF: 1790.6/51

In: -45.291+/-0.386 χ^2/NDF:1602.2/45

Out: -46.734+/-0.372 χ^2/NDF:2100.6/53

All: -46.038+/-0.268 χ^2/NDF: 3710.0/99



Right In: -56.388+/-1.029 χ^2/NDF: 2730.5/22

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -60.247+/-1.060 χ^2/NDF: 3066.6/28

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

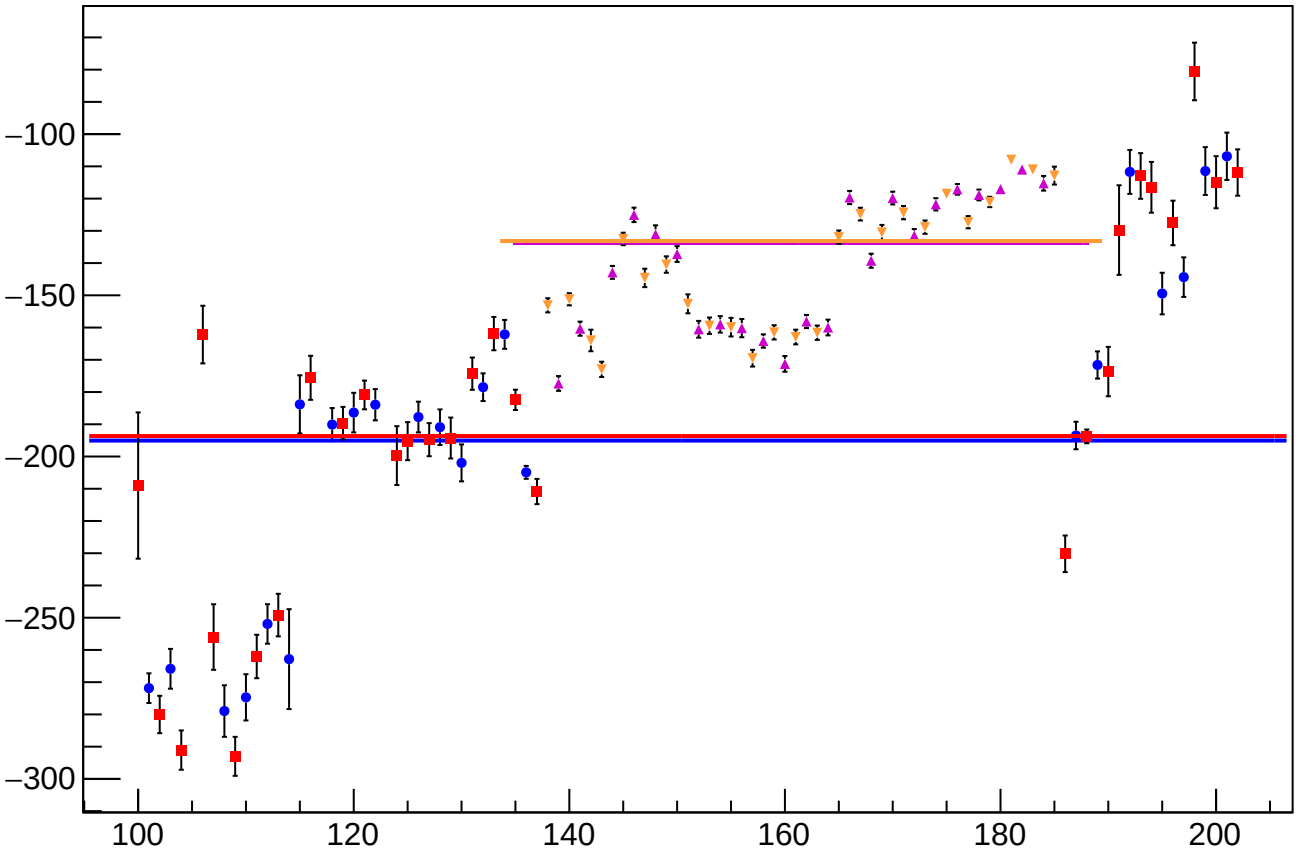
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -58.260+/-0.739 χ^2/NDF: 5803.9/51

In: -31.234+/-0.317 χ^2/NDF:4871.0/45

Out: -30.669+/-0.307 χ^2/NDF:4413.6/53

All: -30.943+/-0.221 χ^2/NDF: 9286.2/99



Right In: -195.056+/-1.031 χ^2/NDF: 1425.7/22

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -193.648+/-1.006 χ^2/NDF: 1844.3/28

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

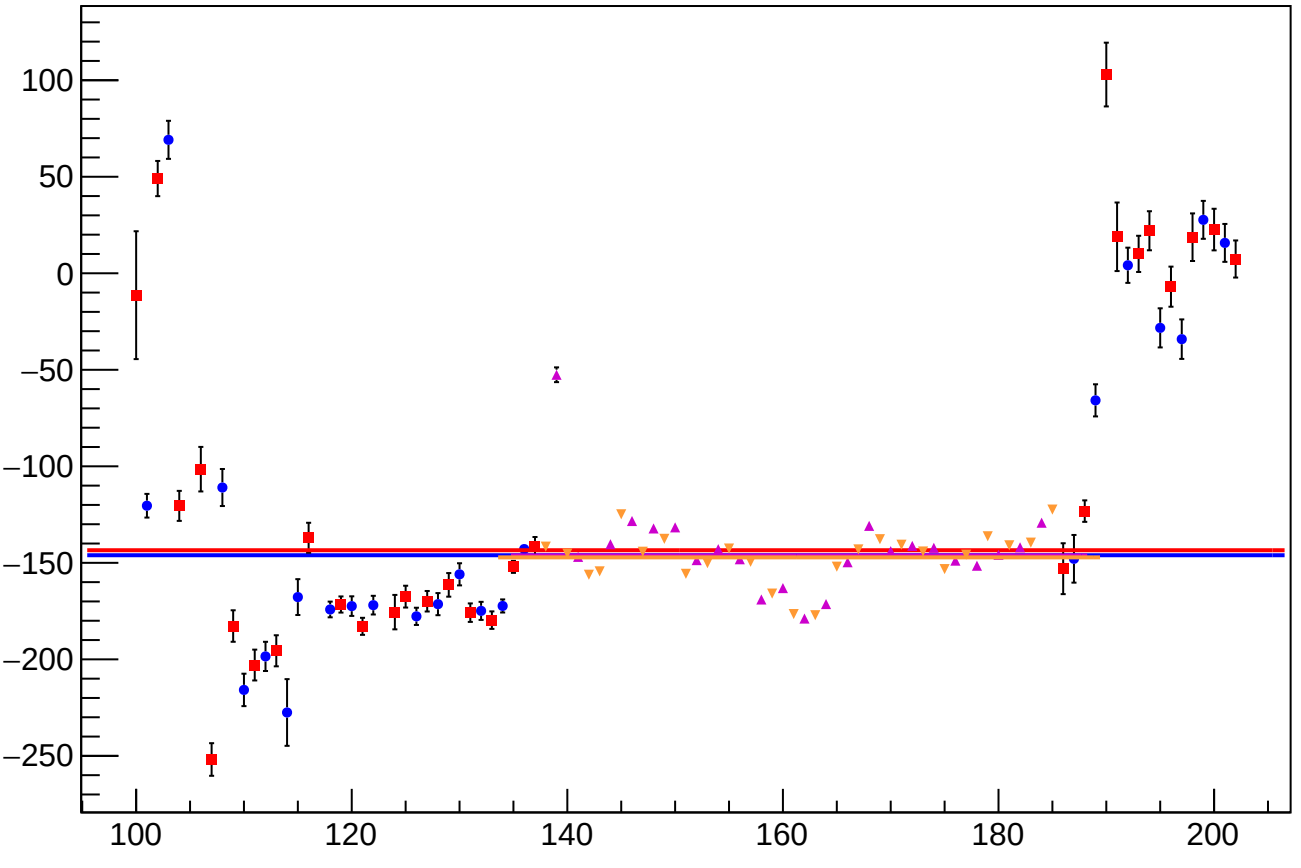
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -194.335+/-0.720 χ^2/NDF: 3271.0/51

In: -142.387+/-0.387 χ^2/NDF:6900.7/45

Out: -141.522+/-0.374 χ^2/NDF:7492.9/53

All: -141.940+/-0.269 χ^2/NDF: 14396.2/99



Right In: -146.064+/-1.163 χ^2/NDF: 2131.2/22

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -143.472+/-1.220 χ^2/NDF: 2762.1/28

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

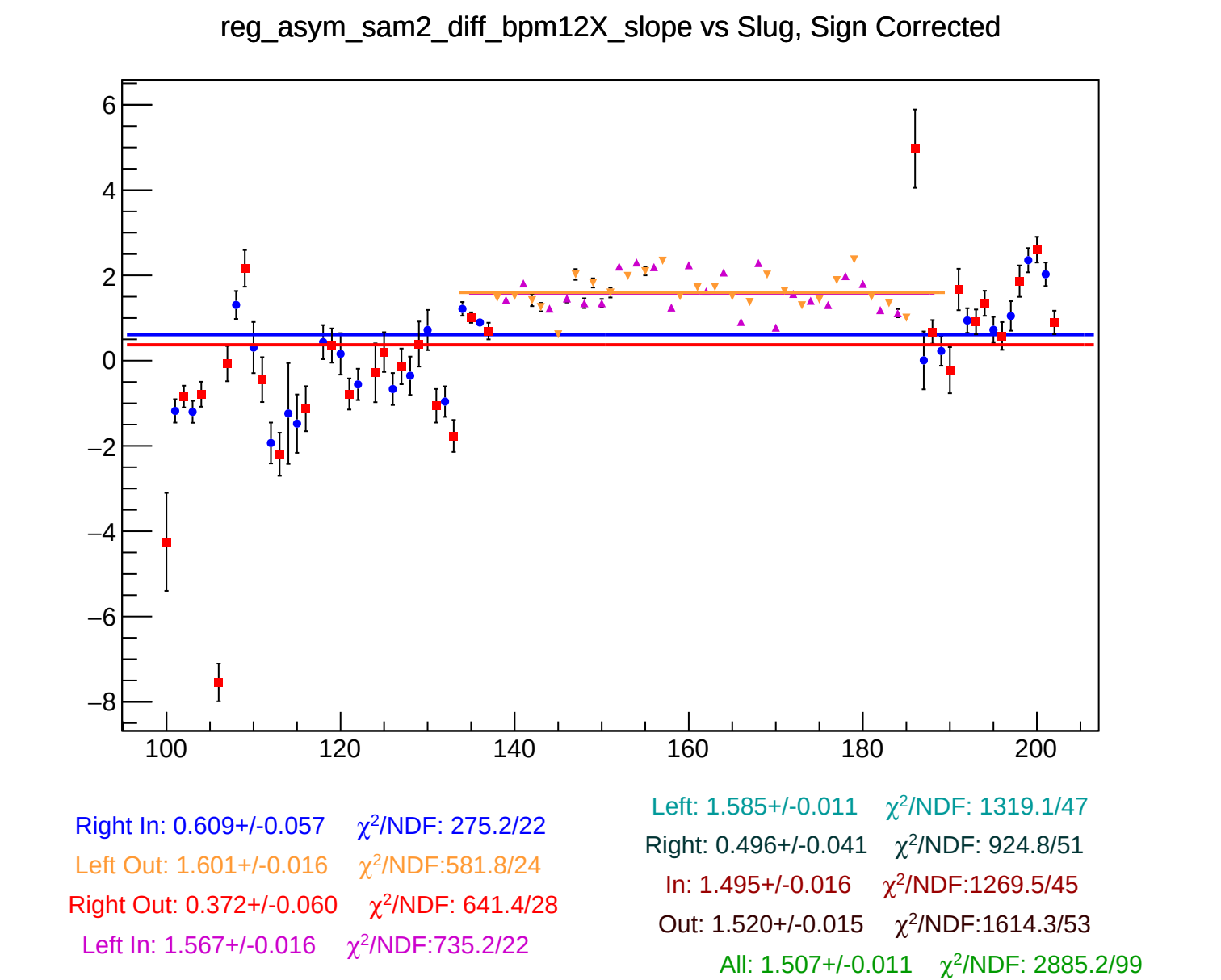
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

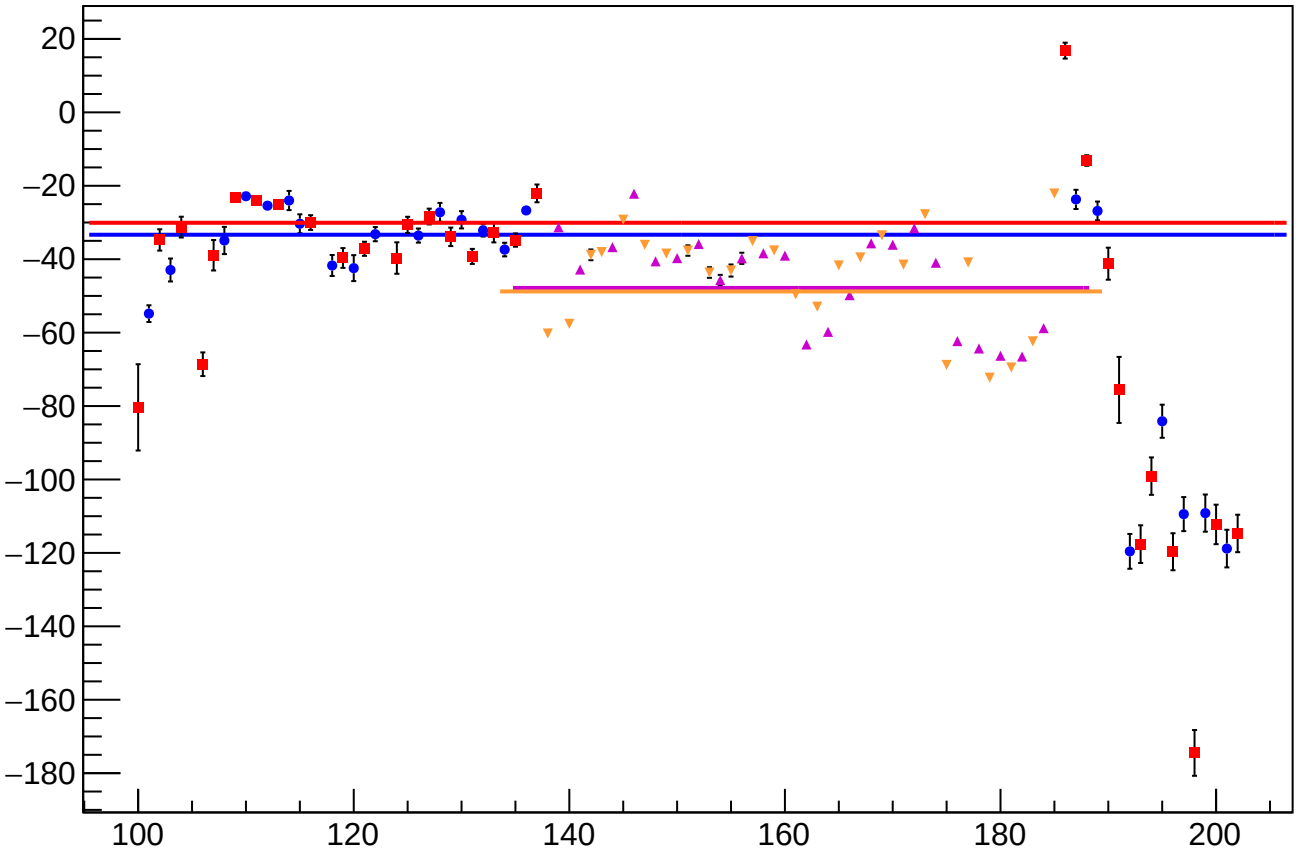
Right: -144.829+/-0.842 χ^2/NDF: 4895.7/51

In: -146.163+/-0.353 χ^2/NDF:3925.0/45

Out: -146.874+/-0.344 χ^2/NDF:4016.2/53

All: -146.528+/-0.246 χ^2/NDF: 7943.3/99


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.609+/-0.057 χ²/NDF: 275.2/22
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 0.372+/-0.060 χ²/NDF: 641.4/28
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 0.496+/-0.041 χ²/NDF: 924.8/51
In: 1.495+/-0.016 χ²/NDF:1269.5/45
Out: 1.520+/-0.015 χ²/NDF:1614.3/53
All: 1.507+/-0.011 χ²/NDF: 2885.2/99



Right In: -33.335+/-0.443 χ^2/NDF: 1543.9/22

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -30.077+/-0.412 χ^2/NDF: 2804.4/28

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

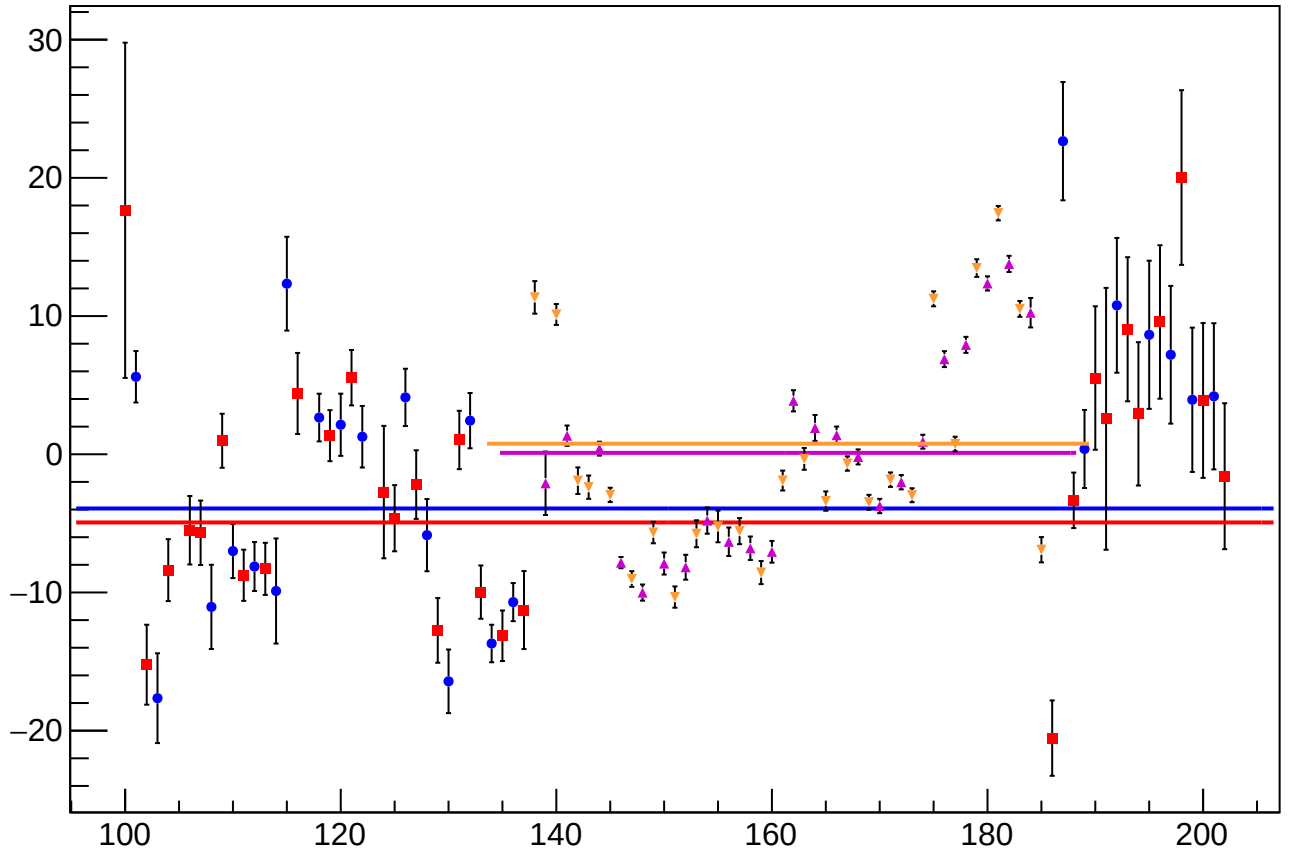
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -31.585+/-0.302 χ^2/NDF: 4377.2/51

In: -45.966+/-0.159 χ^2/NDF:9697.6/45

Out: -46.145+/-0.155 χ^2/NDF:13532.6/53

All: -46.058+/-0.111 χ^2/NDF: 23230.9/99



Right In: -3.922+/-0.487 χ^2/NDF: 306.7/22

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.934+/-0.484 χ^2/NDF: 209.6/28

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

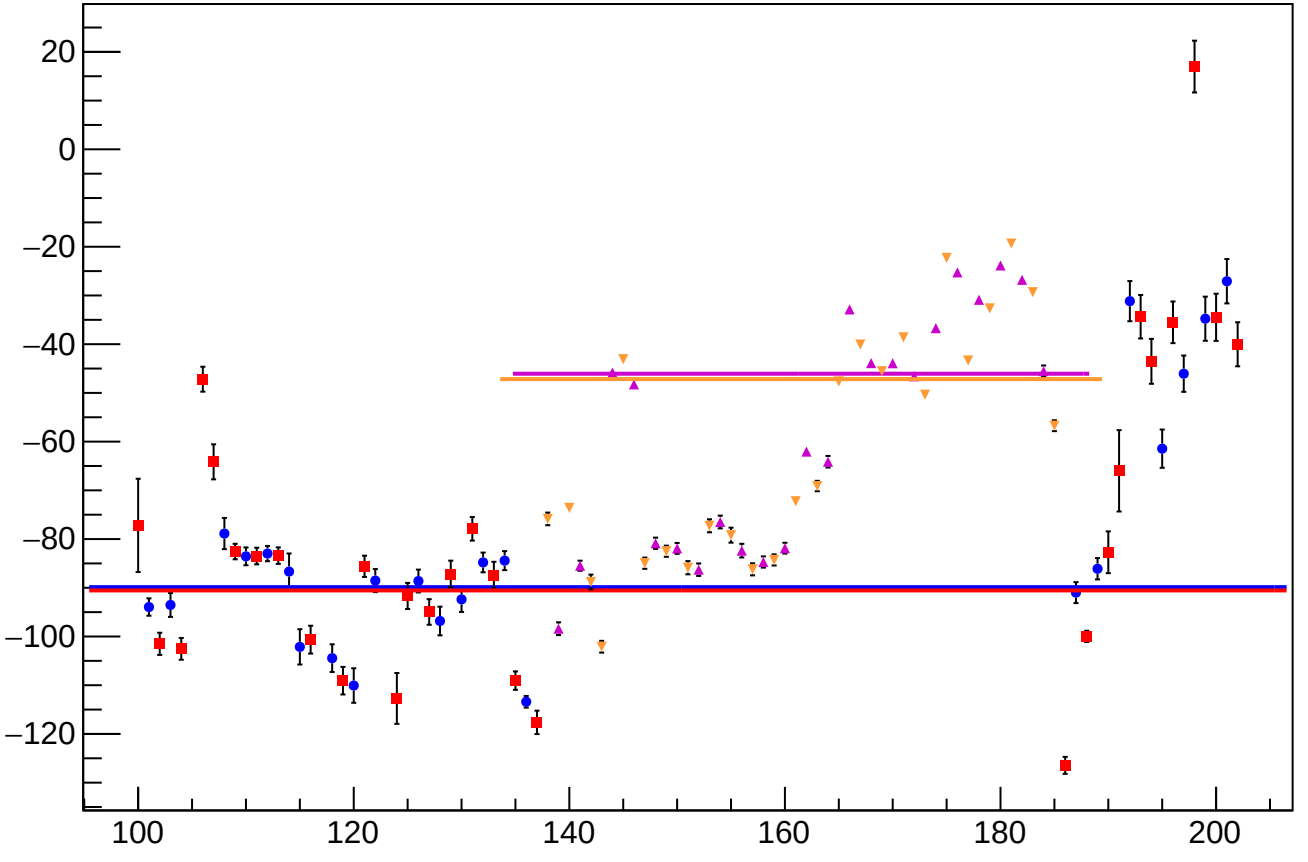
Right: -4.431+/-0.343 χ^2/NDF: 518.5/51

In: -0.178+/-0.128 χ^2/NDF:3092.1/45

Out: 0.368+/-0.128 χ^2/NDF:3806.1/53

All: 0.097+/-0.090 χ^2/NDF: 6907.3/99

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -89.871+/-0.489 χ^2/NDF: 1264.4/22

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.541+/-0.456 χ^2/NDF: 2390.3/28

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

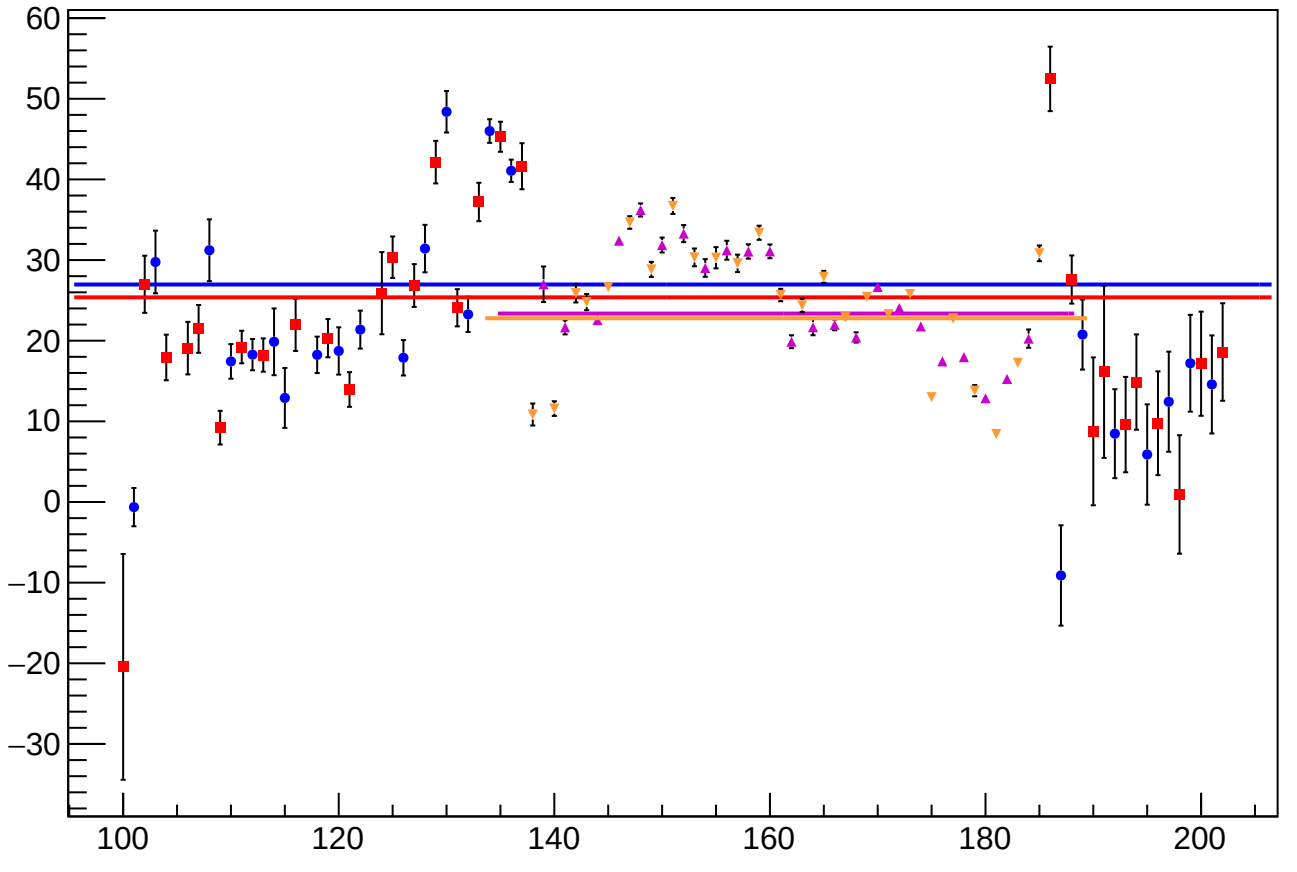
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -90.230+/-0.333 χ^2/NDF: 3655.8/51

In: -50.794+/-0.161 χ^2/NDF:23200.0/45

Out: -52.332+/-0.157 χ^2/NDF:28029.3/53

All: -51.579+/-0.112 χ^2/NDF: 51276.1/99



Right In: 26.969+/-0.550 χ^2/NDF: 657.5/22

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.373+/-0.558 χ^2/NDF: 435.3/28

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

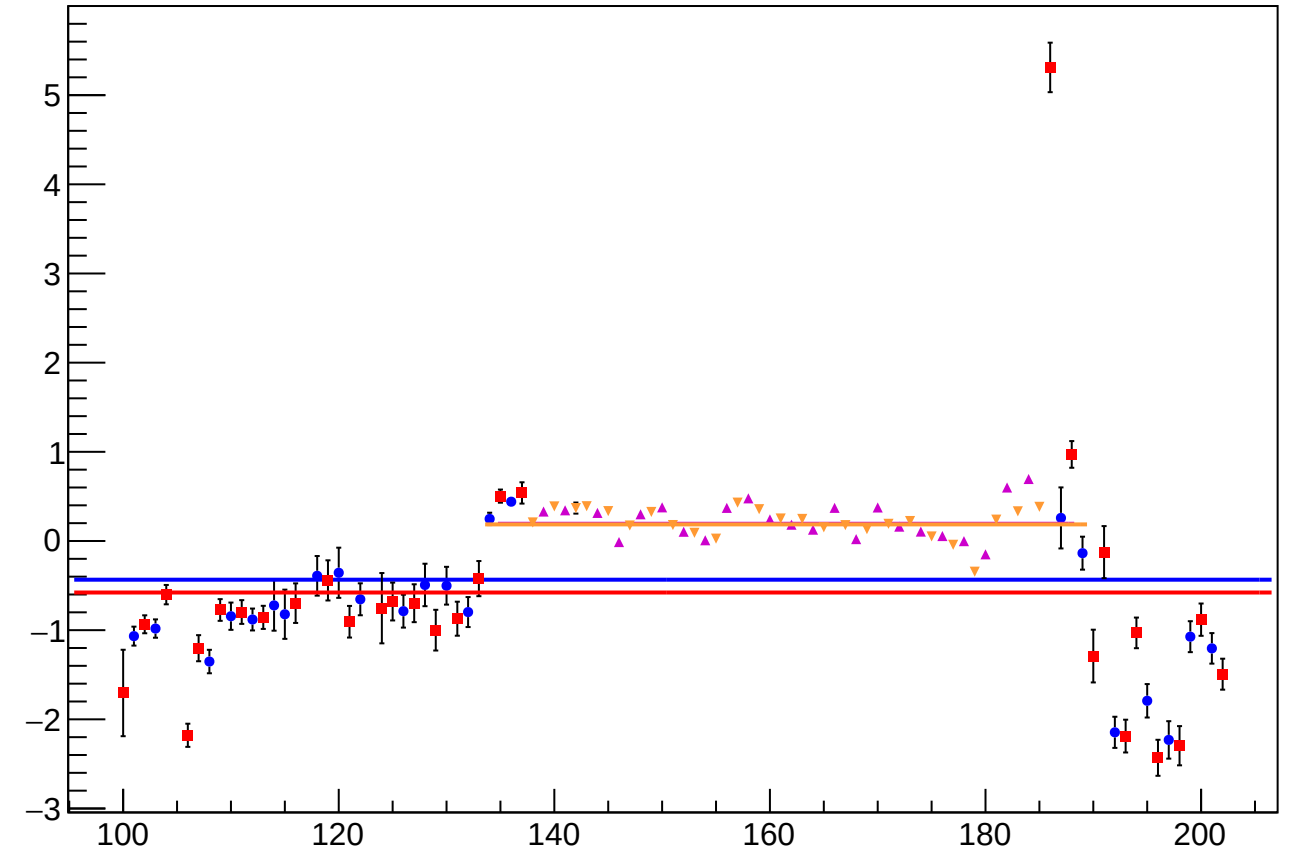
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.182+/-0.392 χ^2/NDF: 1096.9/51

In: 23.612+/-0.144 χ^2/NDF:2482.9/45

Out: 22.951+/-0.142 χ^2/NDF:2868.4/53

All: 23.278+/-0.101 χ^2/NDF: 5362.0/99



Right In: -0.434+/-0.028 χ^2/NDF: 744.4/22

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.578+/-0.029 χ^2/NDF: 1337.0/28

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

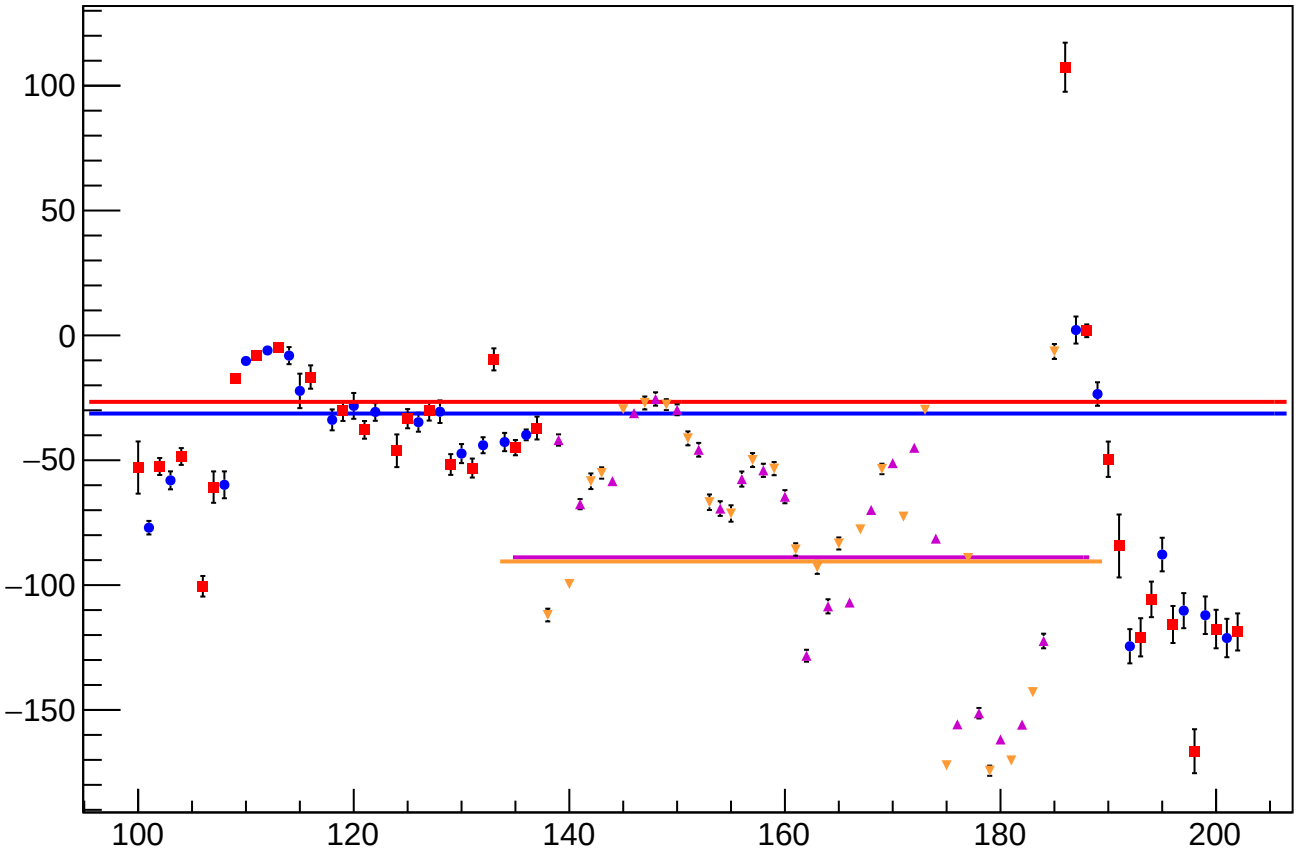
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.504+/-0.020 χ^2/NDF: 2093.9/51

In: 0.160+/-0.006 χ^2/NDF:2150.1/45

Out: 0.149+/-0.006 χ^2/NDF:2637.9/53

All: 0.155+/-0.005 χ^2/NDF: 4789.4/99



Right In: -31.296+/-0.696 χ^2/NDF: 1590.2/22

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -26.622+/-0.624 χ^2/NDF: 2307.6/28

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

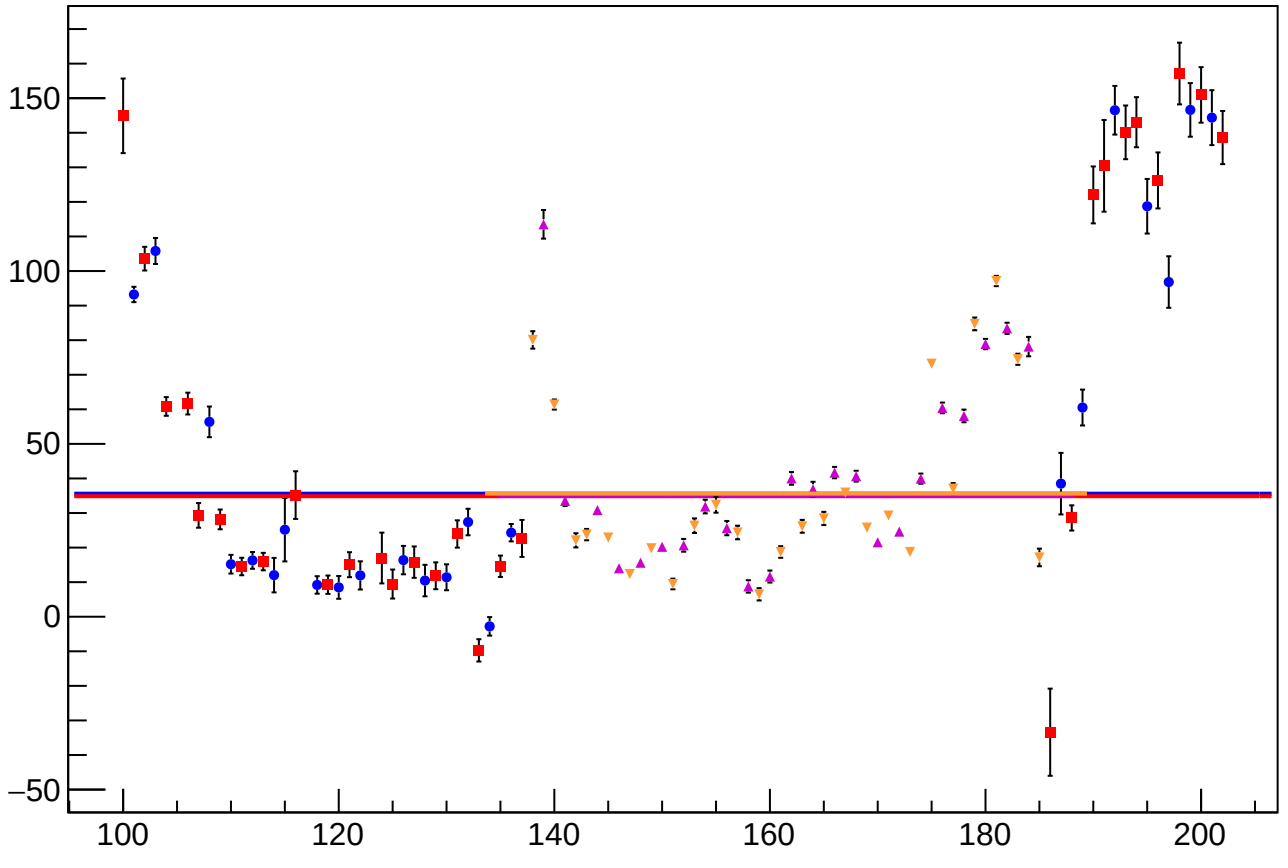
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -28.706+/-0.464 χ^2/NDF: 3922.9/51

In: -72.725+/-0.369 χ^2/NDF:18336.4/45

Out: -70.519+/-0.349 χ^2/NDF:24873.7/53

All: -71.563+/-0.253 χ^2/NDF: 43229.0/99



Right In: 35.591+/-0.774 χ^2/NDF: 2563.0/22

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 34.862+/-0.751 χ^2/NDF: 2574.3/28

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

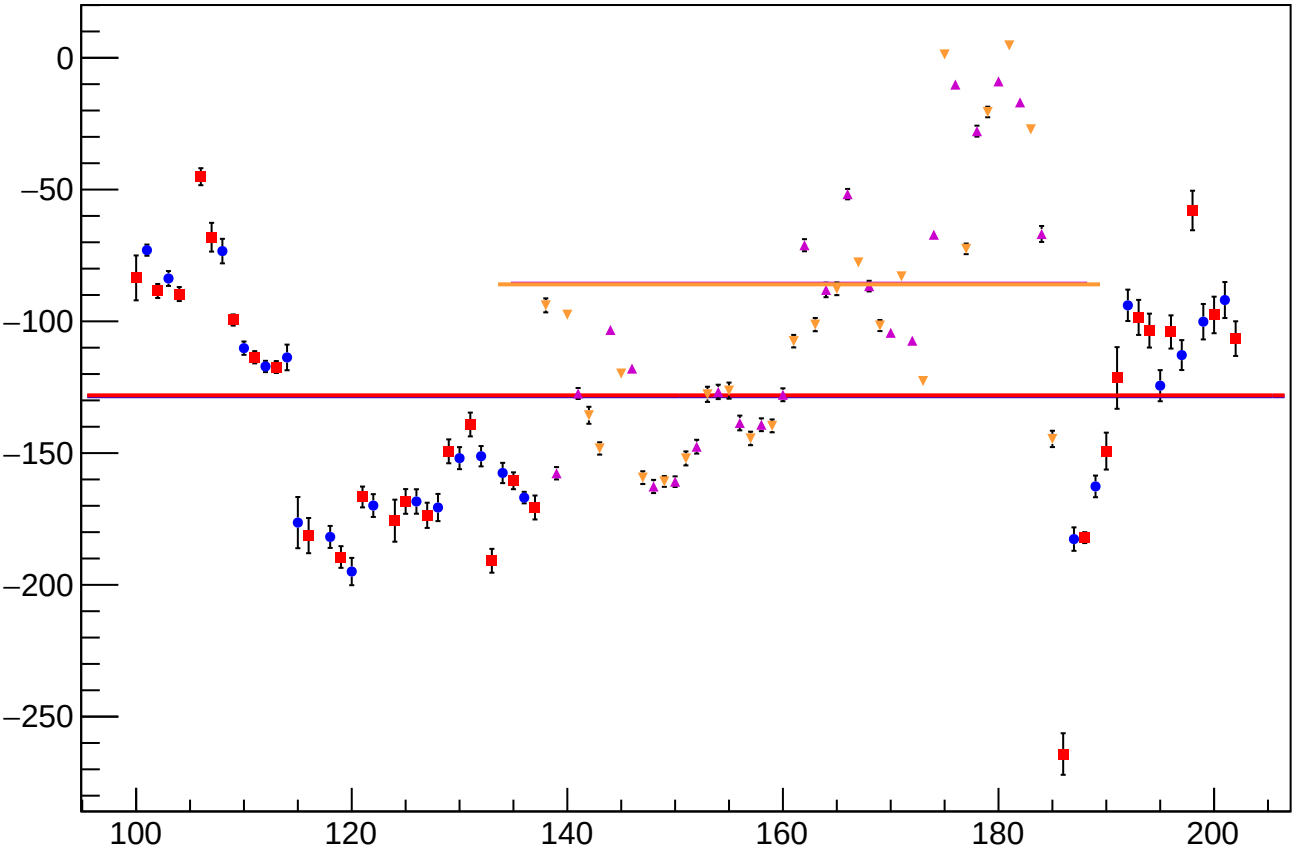
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 35.216+/-0.539 χ^2/NDF: 5137.8/51

In: 35.188+/-0.308 χ^2/NDF:6707.8/45

Out: 35.493+/-0.299 χ^2/NDF:8548.2/53

All: 35.345+/-0.215 χ^2/NDF: 15256.4/99



Right In: -128.414+/-0.768 χ^2/NDF: 2485.6/22

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.096+/-0.710 χ^2/NDF: 3633.5/28

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

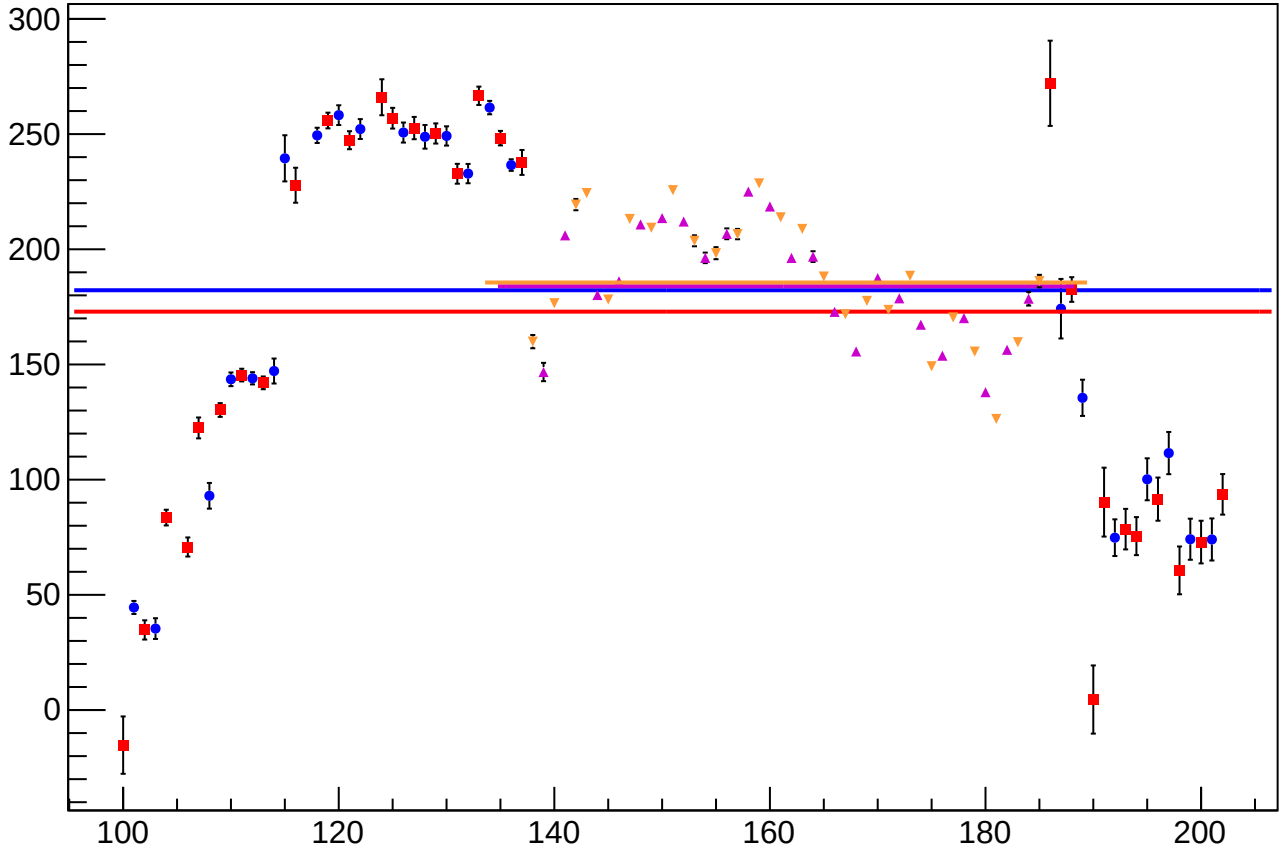
Right: -128.242+/-0.521 χ^2/NDF: 6119.2/51

In: -95.984+/-0.377 χ^2/NDF:18591.5/45

Out: -96.922+/-0.362 χ^2/NDF:22471.6/53

All: -96.472+/-0.261 χ^2/NDF: 41066.3/99

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 182.220+/-0.886 χ^2/NDF: 7805.2/22

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 172.932+/-0.866 χ^2/NDF: 7549.9/28

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

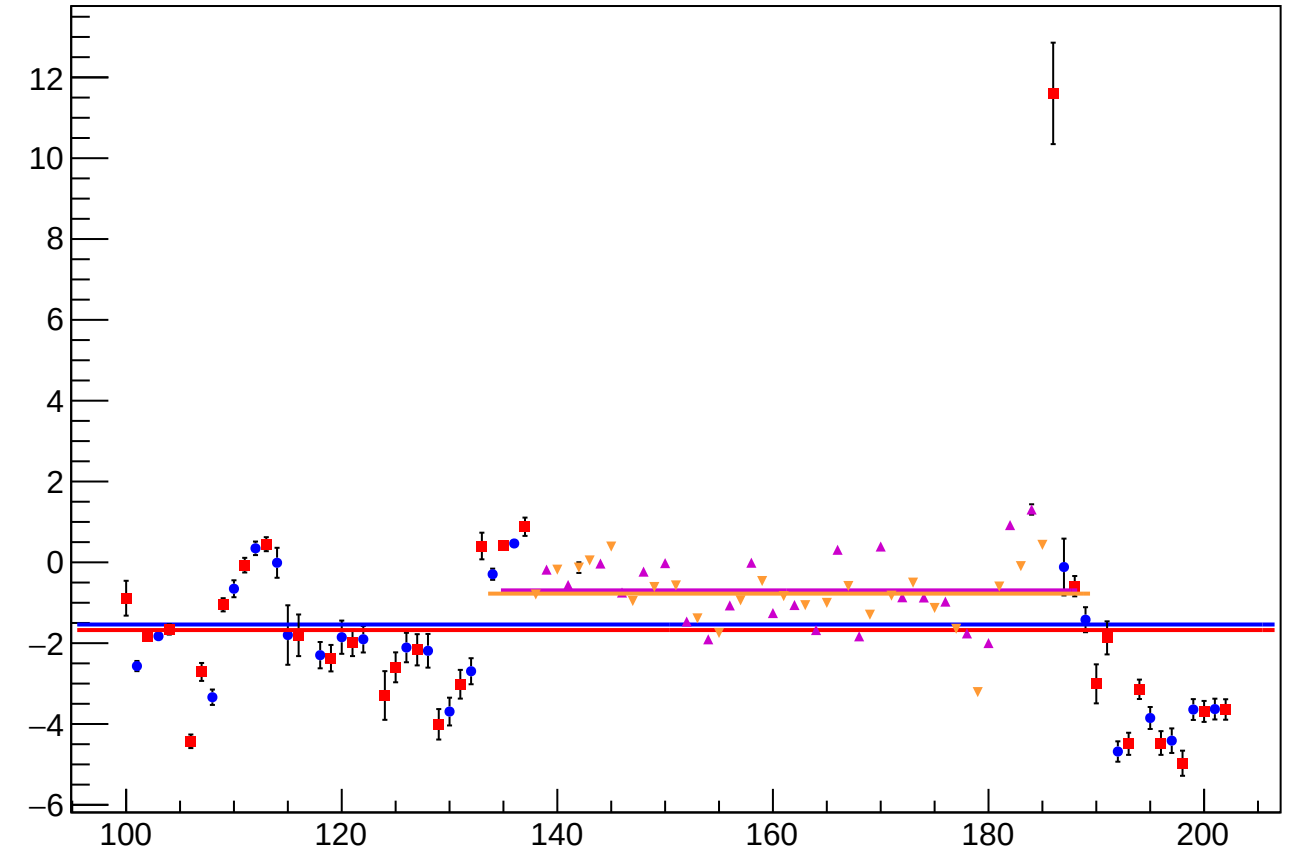
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 177.470+/-0.620 χ^2/NDF: 15411.2/51

In: 183.676+/-0.347 χ^2/NDF:11681.9/45

Out: 183.661+/-0.338 χ^2/NDF:13085.4/53

All: 183.668+/-0.242 χ^2/NDF: 24767.3/99



Right In: -1.538+/-0.044 χ^2/NDF: 1308.9/22

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.676+/-0.042 χ^2/NDF: 1669.1/28

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

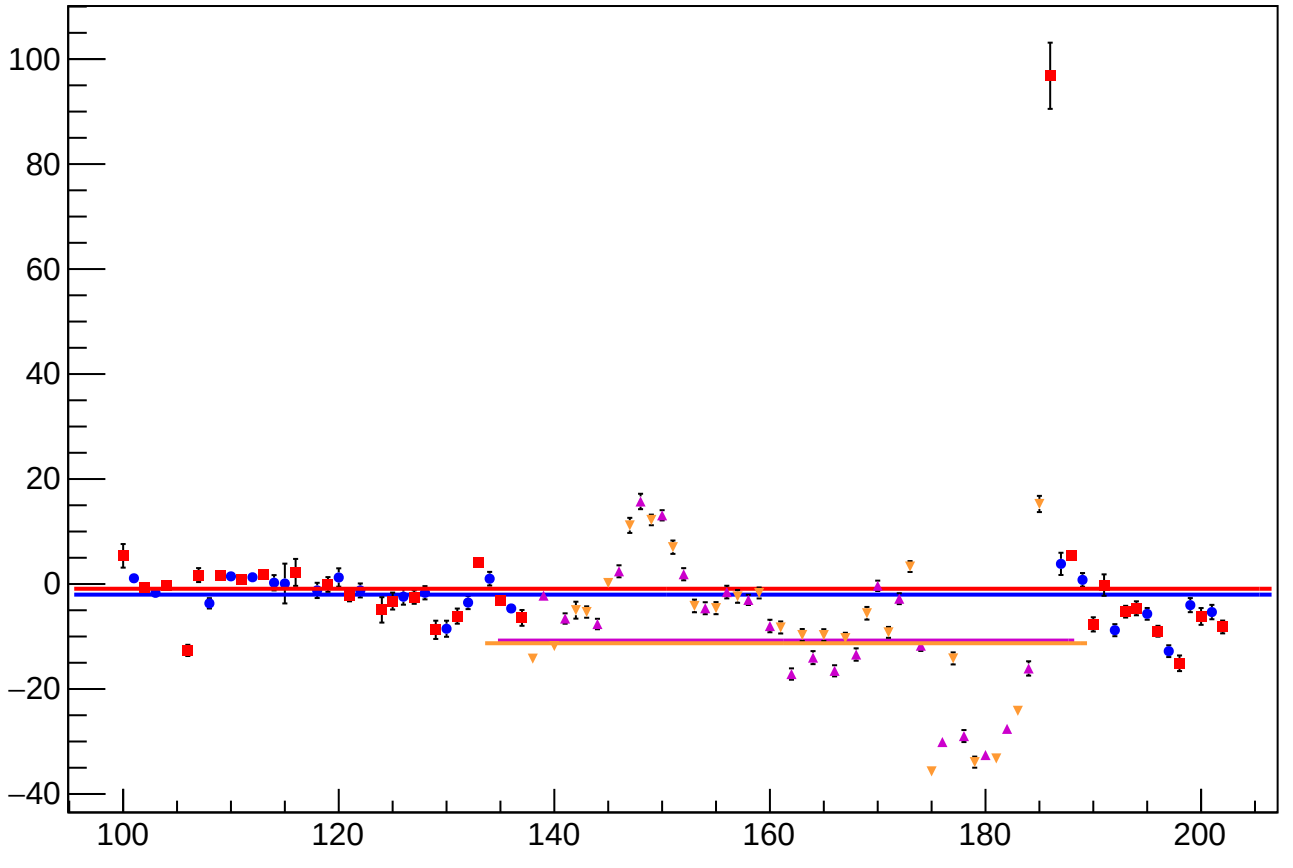
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.609+/-0.031 χ^2/NDF: 2983.1/51

In: -0.801+/-0.016 χ^2/NDF:4195.8/45

Out: -0.891+/-0.015 χ^2/NDF:3883.8/53

All: -0.847+/-0.011 χ^2/NDF: 8096.6/99



Right In: -2.022+/-0.224 χ^2/NDF: 278.5/22

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.903+/-0.192 χ^2/NDF: 881.4/28

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

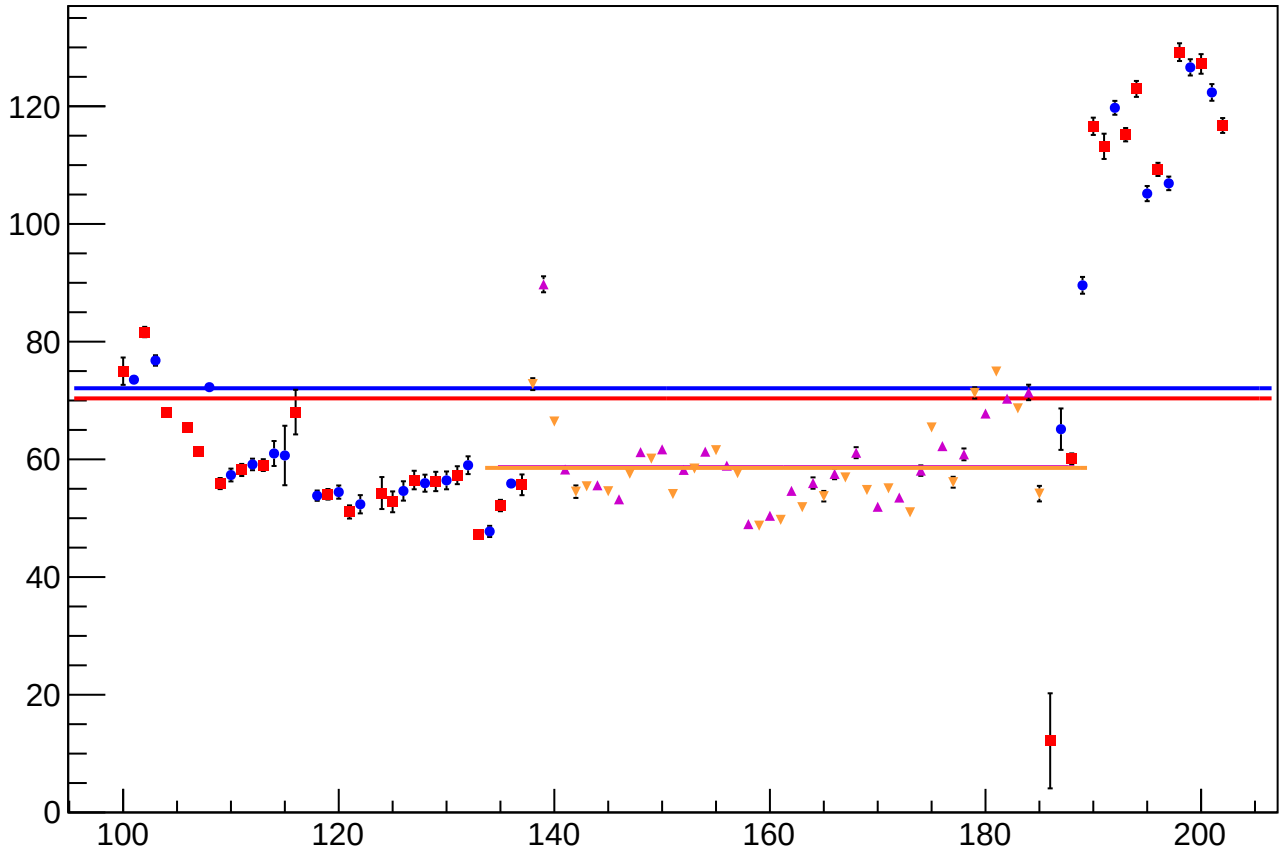
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.375+/-0.146 χ^2/NDF: 1174.3/51

In: -6.621+/-0.155 χ^2/NDF:4776.7/45

Out: -5.669+/-0.141 χ^2/NDF:6729.0/53

All: -6.101+/-0.104 χ^2/NDF: 11526.3/99



Right In: 72.083+/-0.237 χ^2/NDF: 8885.9/22

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 70.359+/-0.212 χ^2/NDF: 13371.9/28

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

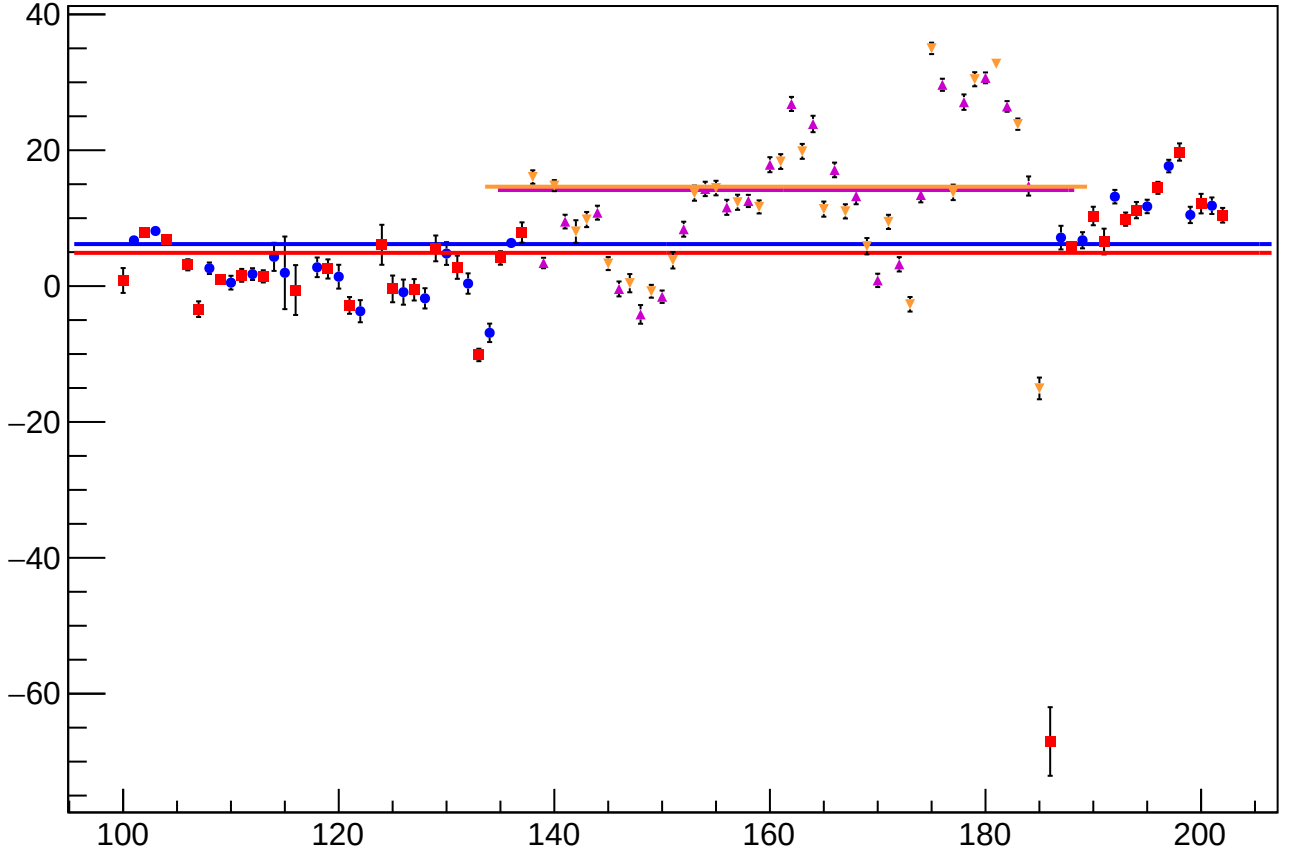
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 71.127+/-0.158 χ^2/NDF: 22287.3/51

In: 63.184+/-0.137 χ^2/NDF:12629.7/45

Out: 62.871+/-0.128 χ^2/NDF:17239.0/53

All: 63.017+/-0.094 χ^2/NDF: 29871.5/99



Right In: 6.185+/-0.225 χ^2/NDF: 556.2/22

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.895+/-0.195 χ^2/NDF: 1068.1/28

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

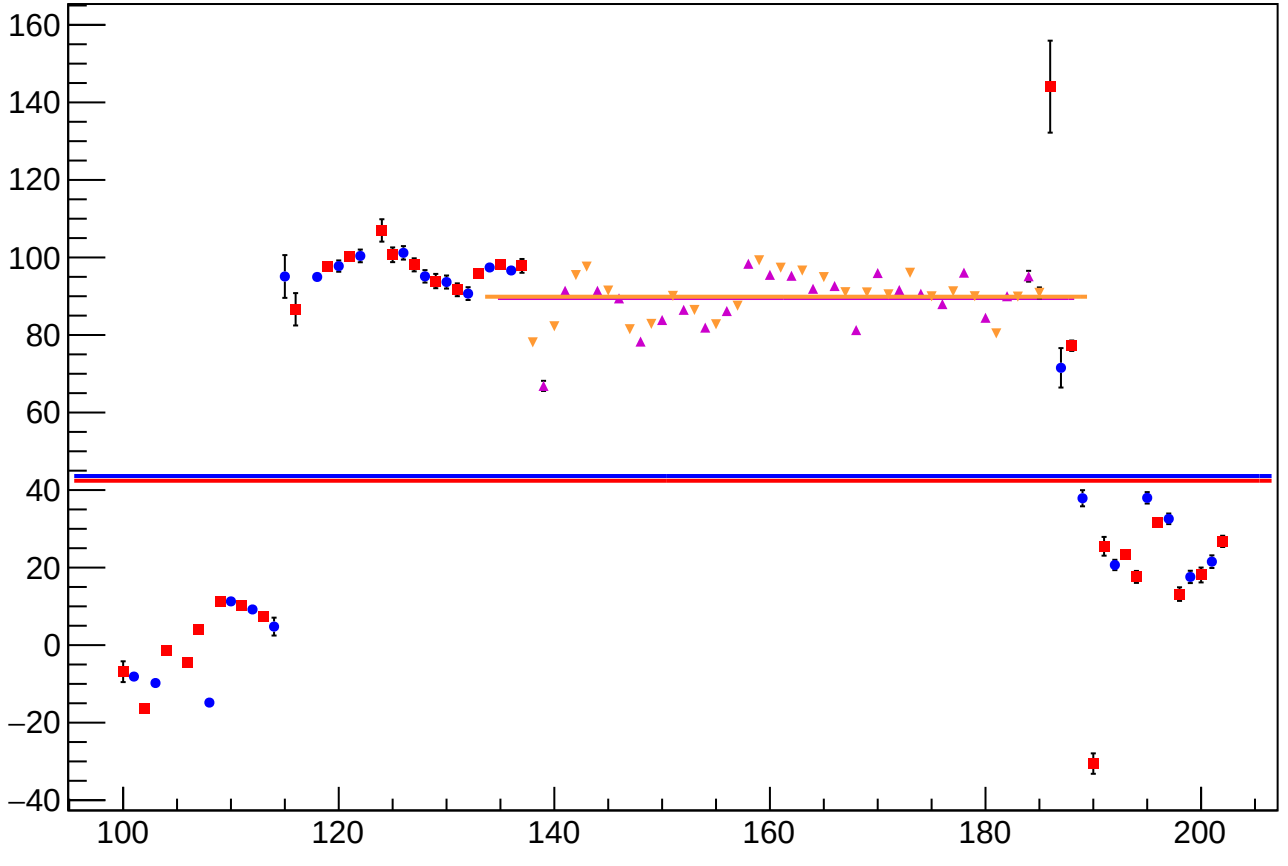
Right: 5.449+/-0.147 χ^2/NDF: 1643.1/51

In: 10.412+/-0.154 χ^2/NDF:3763.4/45

Out: 9.482+/-0.142 χ^2/NDF:5204.7/53

All: 9.909+/-0.104 χ^2/NDF: 8987.8/99

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.623+/-0.276 χ^2/NDF: 27906.1/22

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.404+/-0.250 χ^2/NDF: 31724.5/28

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

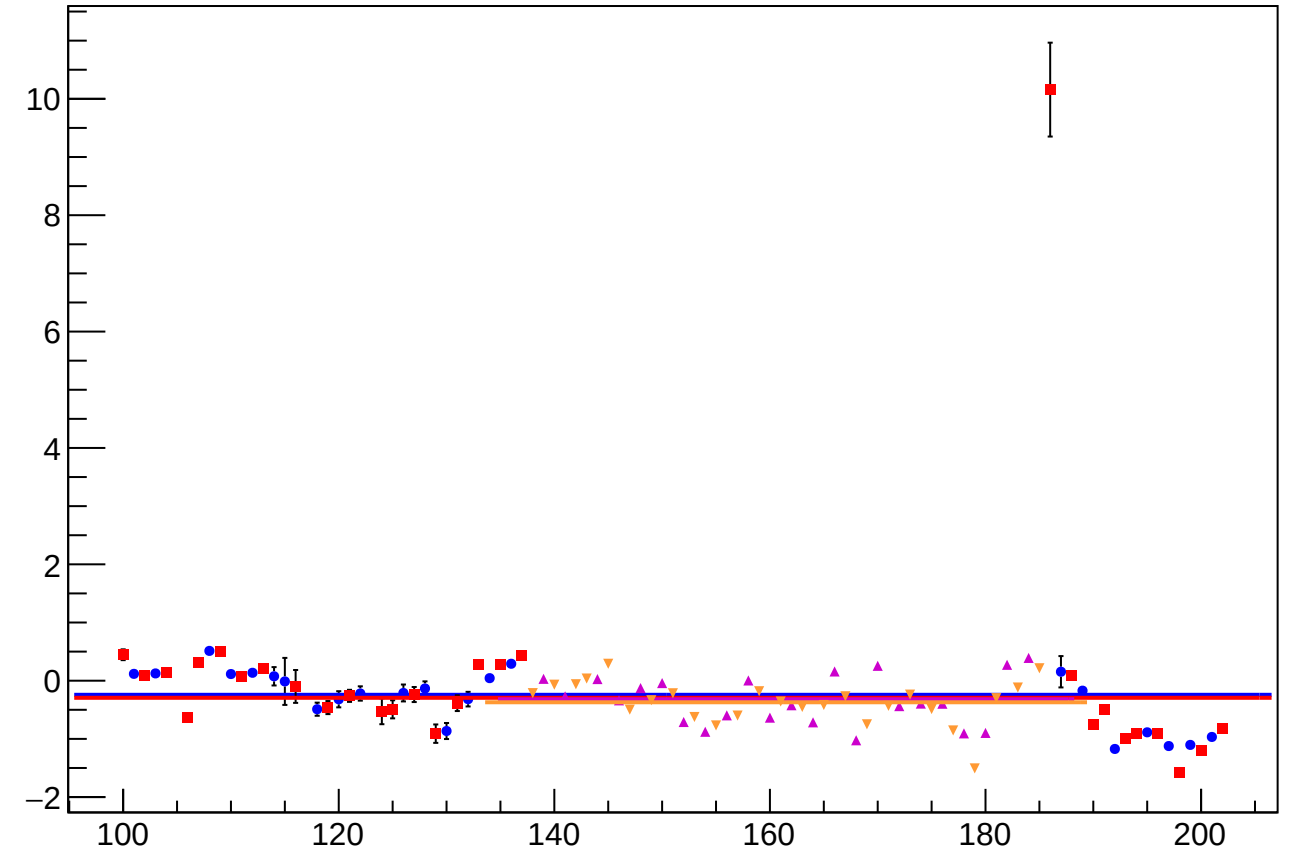
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 42.955+/-0.185 χ^2/NDF: 59641.4/51

In: 75.032+/-0.155 χ^2/NDF:47945.0/45

Out: 73.589+/-0.147 χ^2/NDF:56382.4/53

All: 74.271+/-0.107 χ^2/NDF: 104373.2/99



Right In: -0.242+/-0.011 χ^2/NDF: 2853.0/22

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.294+/-0.010 χ^2/NDF: 3448.0/28

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

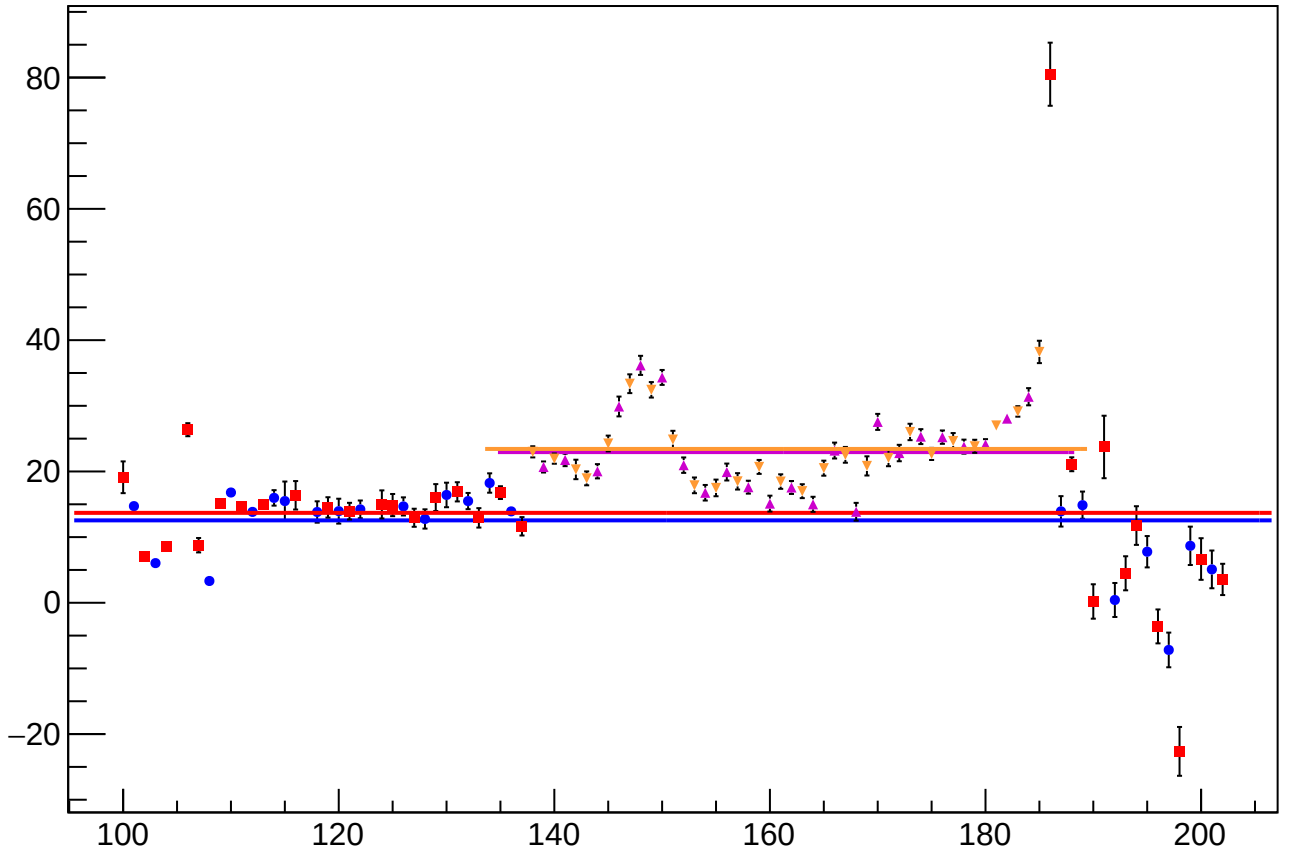
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.270+/-0.008 χ^2/NDF: 6312.1/51

In: -0.293+/-0.007 χ^2/NDF:5324.7/45

Out: -0.342+/-0.006 χ^2/NDF:5251.6/53

All: -0.319+/-0.005 χ^2/NDF: 10604.5/99



Right In: 12.551+/-0.209 χ^2/NDF: 481.6/22

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.695+/-0.197 χ^2/NDF: 853.4/28

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

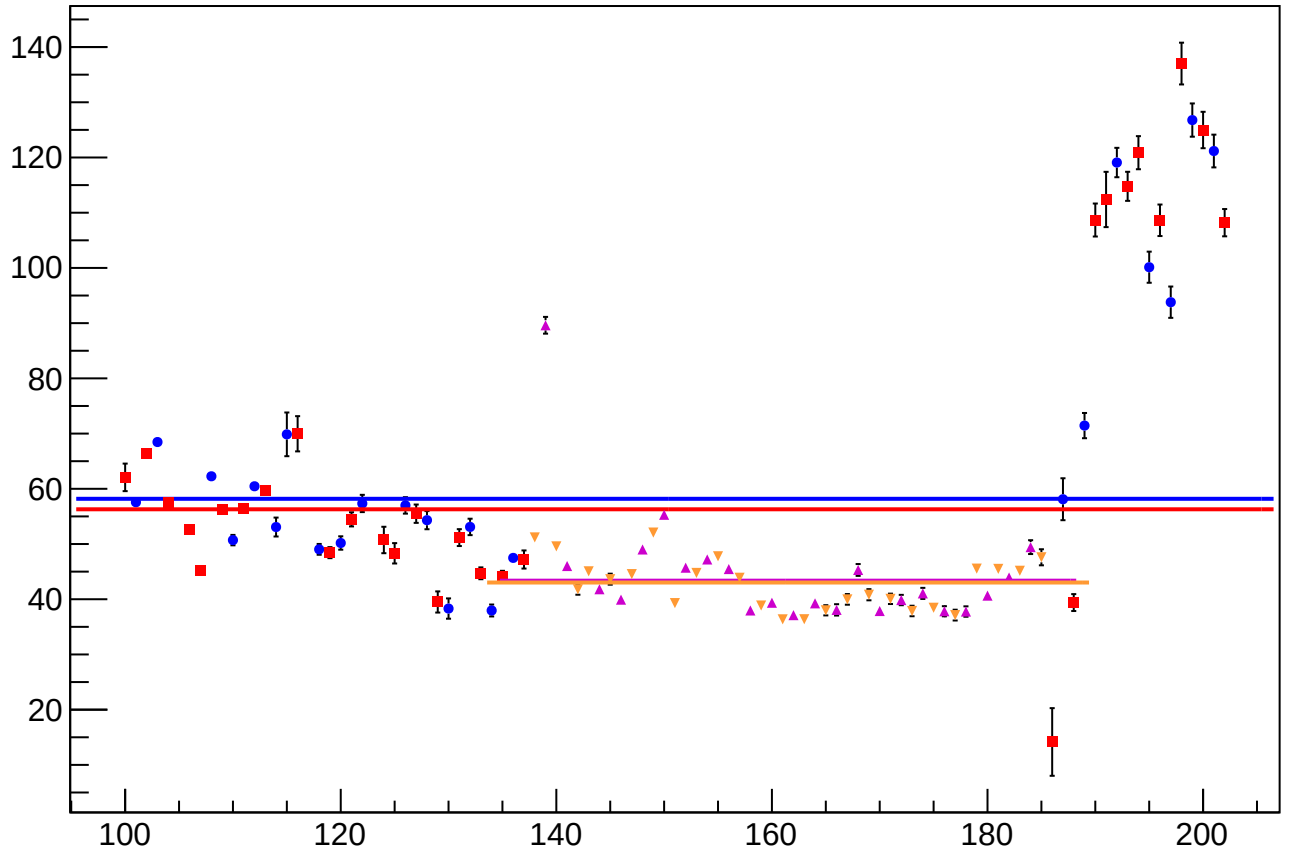
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.157+/-0.143 χ^2/NDF: 1350.9/51

In: 17.352+/-0.153 χ^2/NDF:2192.7/45

Out: 18.108+/-0.145 χ^2/NDF:2393.6/53

All: 17.750+/-0.105 χ^2/NDF: 4599.1/99



Right In: 58.189+/-0.217 χ^2/NDF: 3057.2/22

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 56.289+/-0.217 χ^2/NDF: 4324.4/28

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

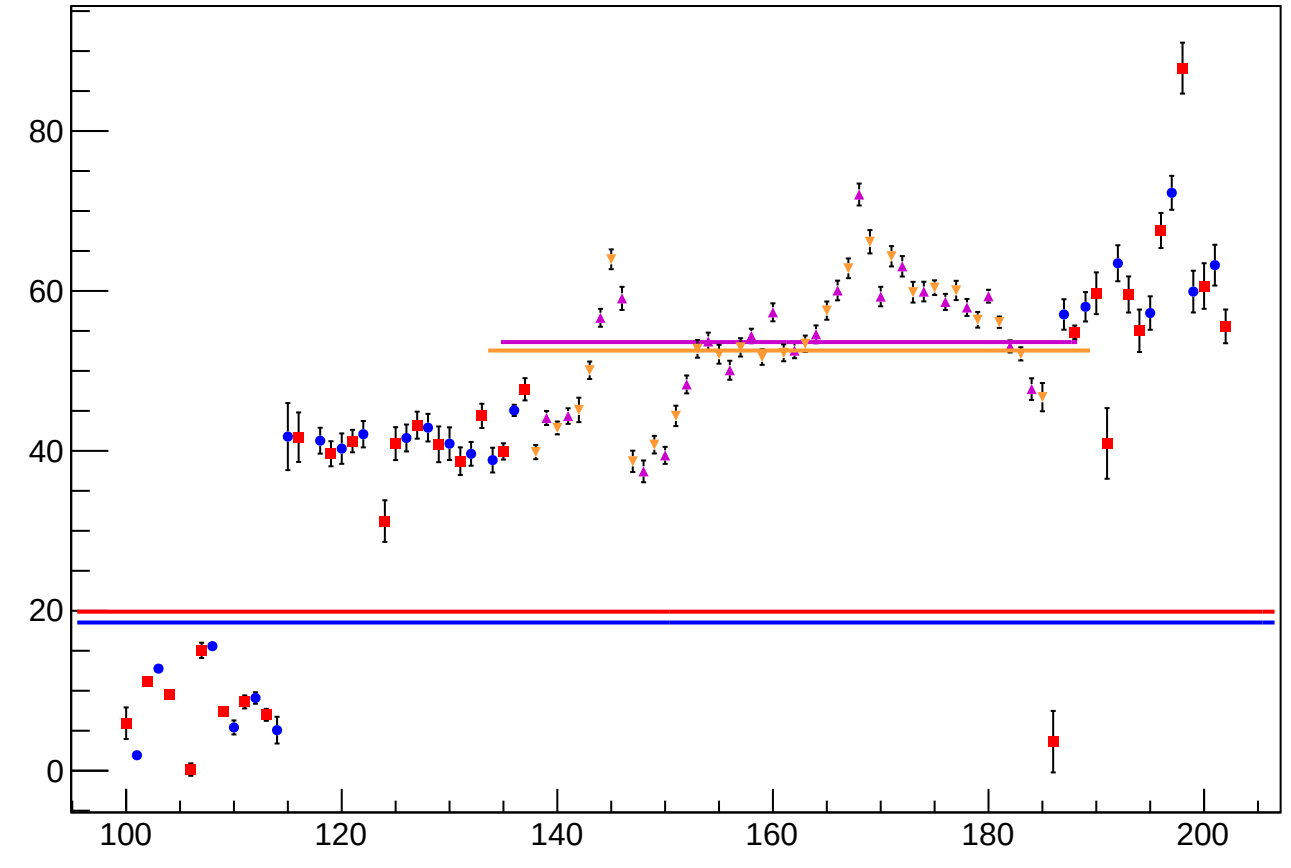
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 57.240+/-0.154 χ^2/NDF: 7419.9/51

In: 49.281+/-0.137 χ^2/NDF:7540.6/45

Out: 47.959+/-0.133 χ^2/NDF:7440.9/53

All: 48.597+/-0.095 χ^2/NDF: 15029.5/99



Right In: 18.534+/-0.207 χ^2/NDF: 8180.7/22

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.887+/-0.206 χ^2/NDF: 8164.6/28

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

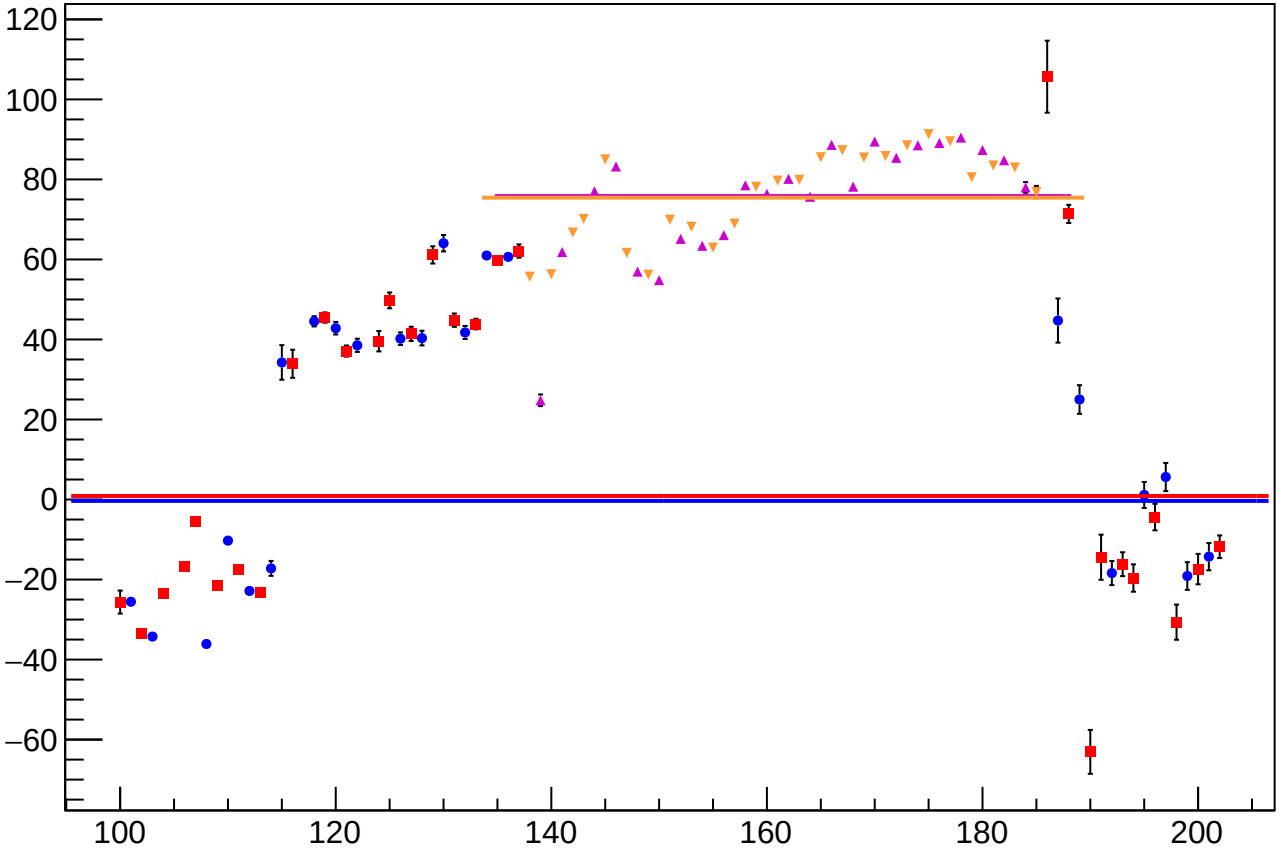
Right: 19.212+/-0.146 χ^2/NDF: 16366.8/51

In: 34.766+/-0.152 χ^2/NDF:22494.6/45

Out: 35.591+/-0.149 χ^2/NDF:21381.0/53

All: 35.186+/-0.106 χ^2/NDF: 43890.7/99

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.342+/-0.256 χ^2/NDF: 21233.1/22

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.891+/-0.257 χ^2/NDF: 17437.4/28

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

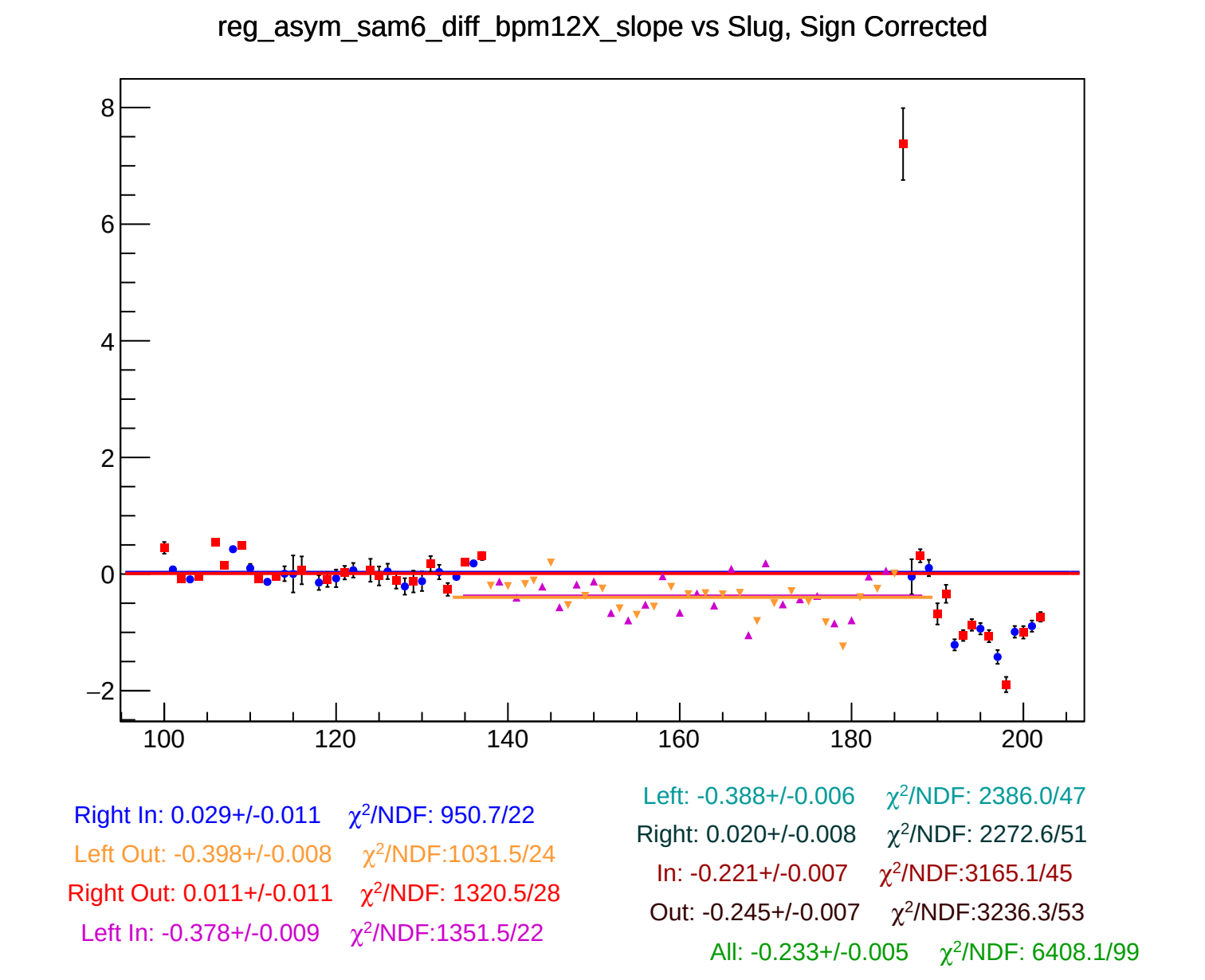
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.274+/-0.181 χ^2/NDF: 38682.0/51

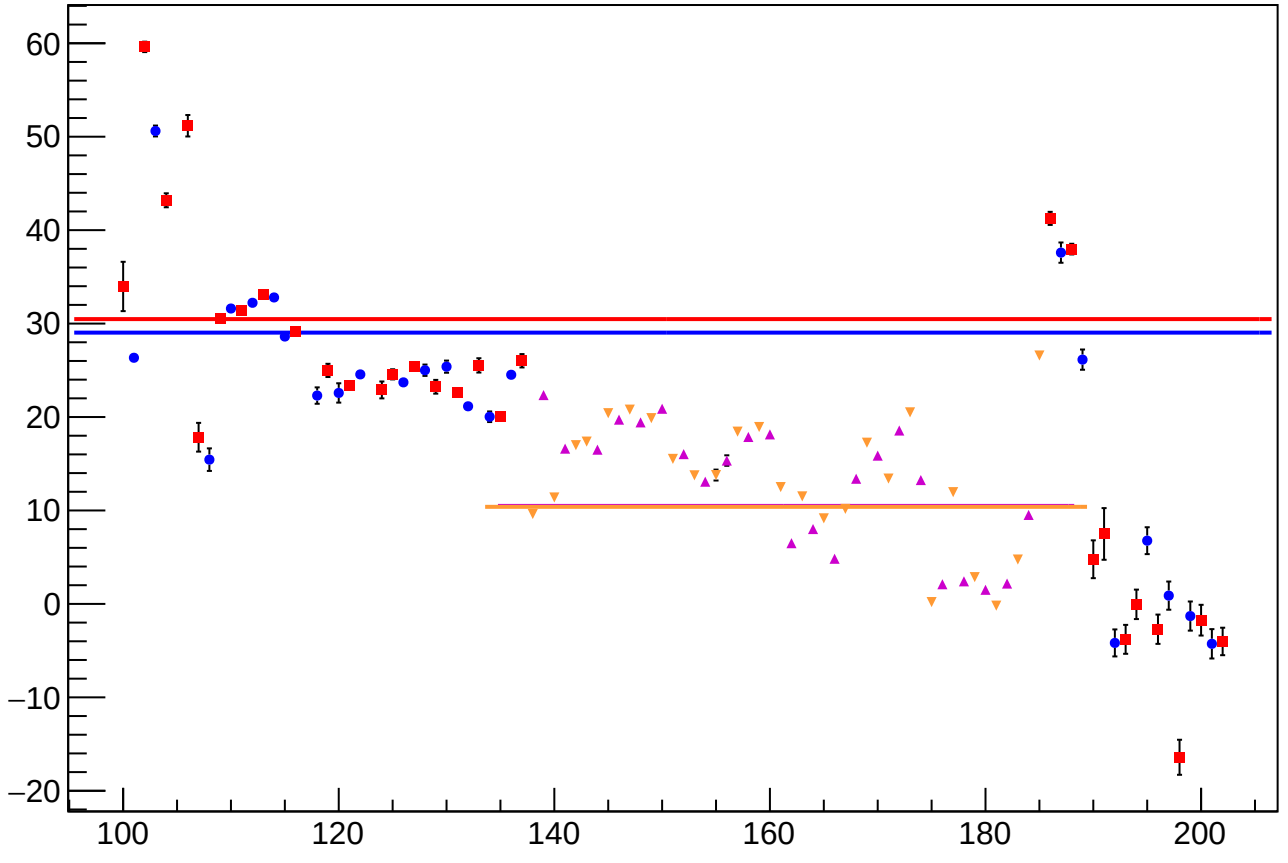
In: 47.529+/-0.156 χ^2/NDF:80938.5/45

Out: 49.334+/-0.152 χ^2/NDF:75793.5/53

All: 48.458+/-0.109 χ^2/NDF: 156800.6/99


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.029+/-0.011 χ²/NDF: 950.7/22
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: 0.011+/-0.011 χ²/NDF: 1320.5/28
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: 0.020+/-0.008 χ²/NDF: 2272.6/51
In: -0.221+/-0.007 χ²/NDF:3165.1/45
Out: -0.245+/-0.007 χ²/NDF:3236.3/53
All: -0.233+/-0.005 χ²/NDF: 6408.1/99

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.033+/-0.090 χ^2/NDF: 5416.2/22

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.480+/-0.078 χ^2/NDF: 8606.9/28

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

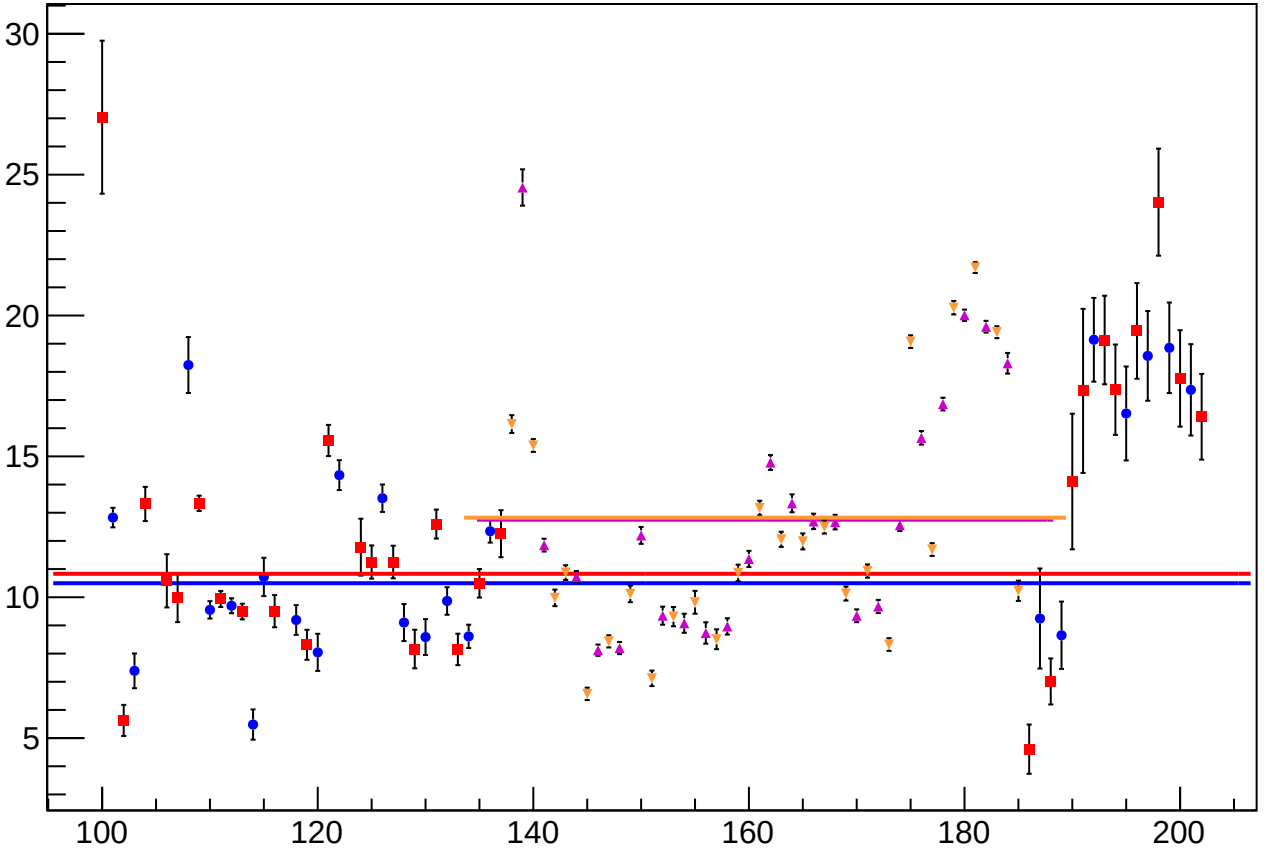
Right: 29.861+/-0.059 χ^2/NDF: 14169.7/51

In: 17.029+/-0.054 χ^2/NDF:44112.4/45

Out: 18.467+/-0.050 χ^2/NDF:61860.6/53

All: 17.806+/-0.036 χ^2/NDF: 106359.5/99

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.498+/-0.112 χ^2/NDF: 525.4/22

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.832+/-0.109 χ^2/NDF: 643.7/28

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

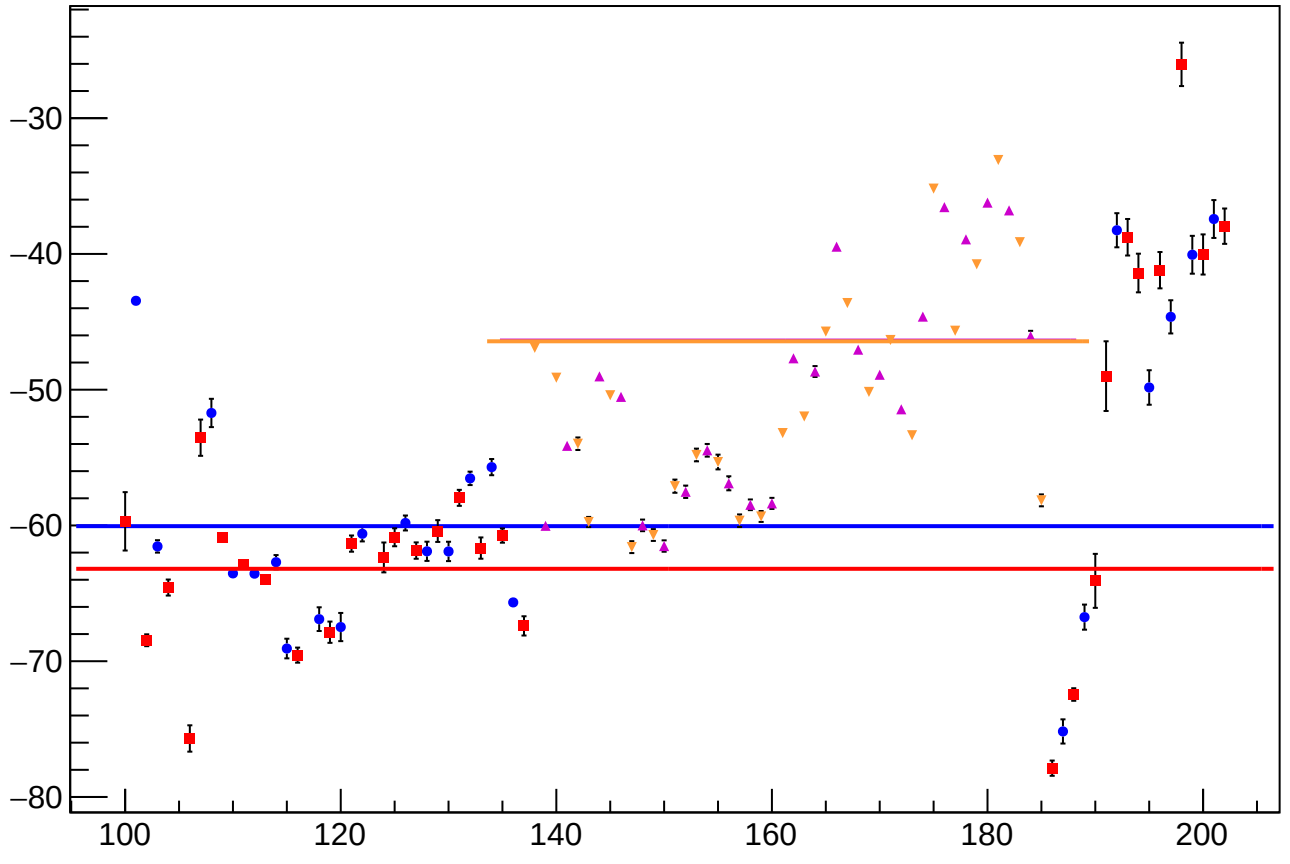
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.669+/-0.078 χ^2/NDF: 1173.6/51

In: 12.340+/-0.048 χ^2/NDF:6359.9/45

Out: 12.468+/-0.046 χ^2/NDF:8933.2/53

All: 12.406+/-0.033 χ^2/NDF: 15296.8/99



Right In: -60.052+/-0.109 χ^2/NDF: 4939.2/22

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.193+/-0.101 χ^2/NDF: 3956.2/28

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

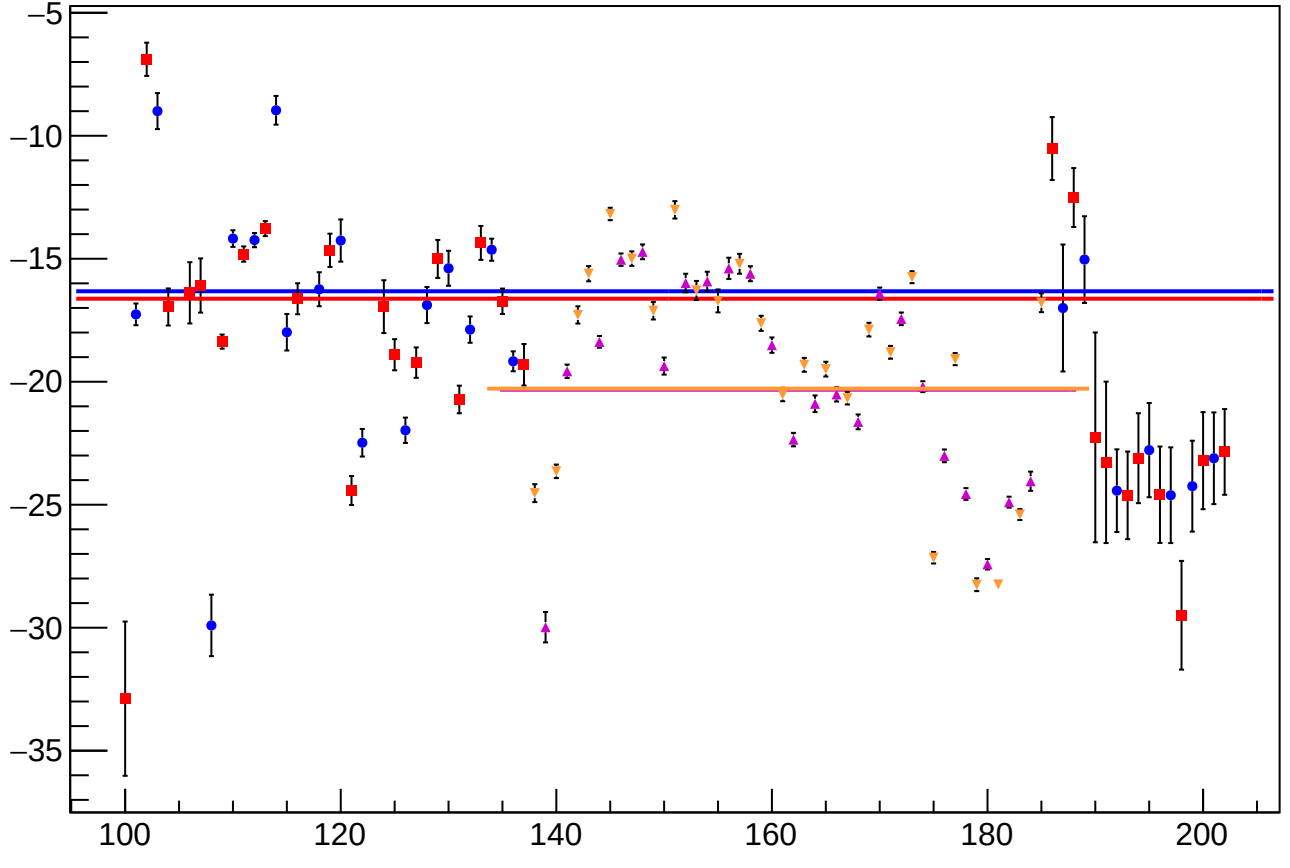
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.748+/-0.074 χ^2/NDF: 9341.3/51

In: -50.099+/-0.057 χ^2/NDF:31404.6/45

Out: -51.289+/-0.054 χ^2/NDF:41723.6/53

All: -50.723+/-0.039 χ^2/NDF: 73356.4/99



Right In: -16.321+/-0.125 χ^2/NDF: 884.0/22

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.625+/-0.122 χ^2/NDF: 832.9/28

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

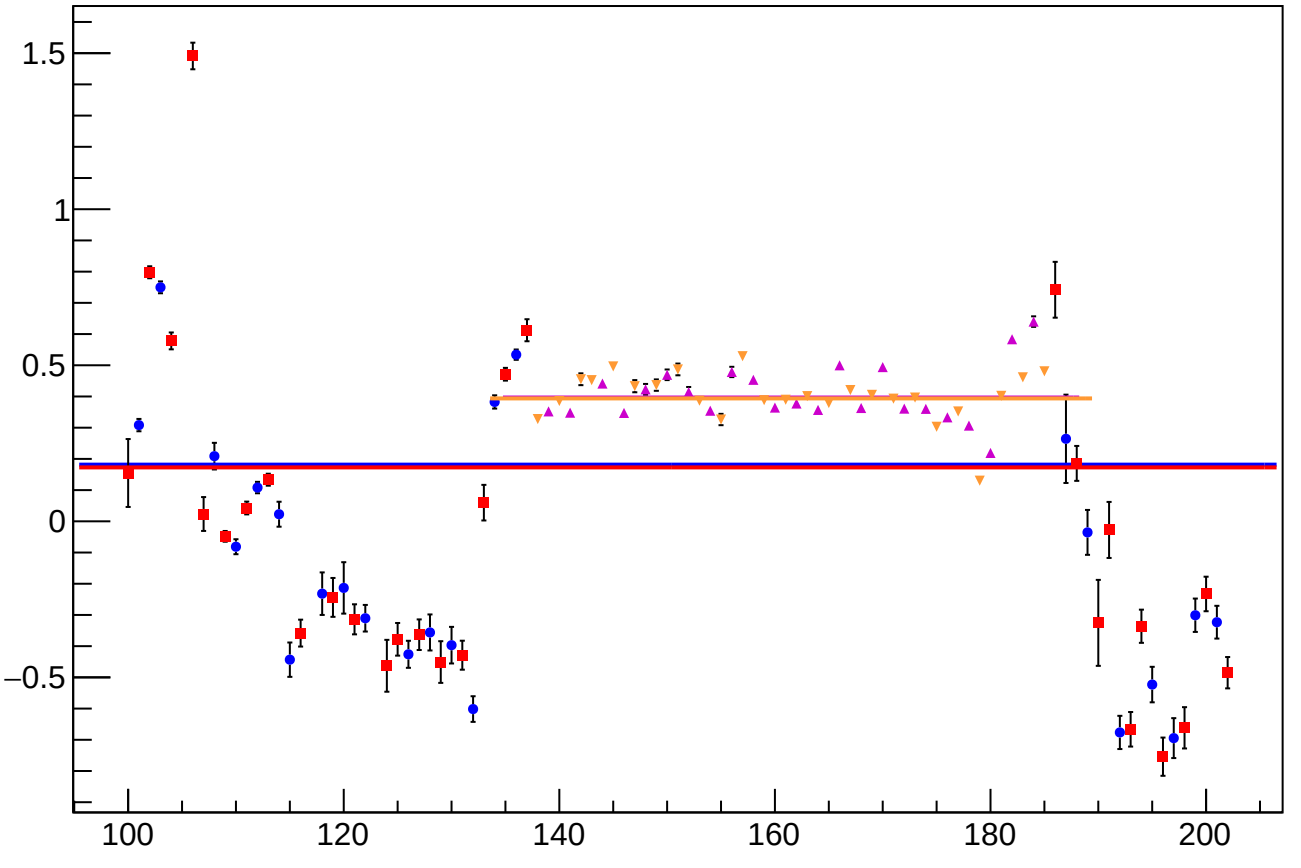
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.477+/-0.087 χ^2/NDF: 1719.9/51

In: -19.595+/-0.053 χ^2/NDF:5992.6/45

Out: -19.622+/-0.052 χ^2/NDF:8592.2/53

All: -19.609+/-0.037 χ^2/NDF: 14584.9/99



Right In: 0.182+/-0.007 χ^2/NDF: 3480.6/22

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.173+/-0.007 χ^2/NDF: 4668.4/28

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

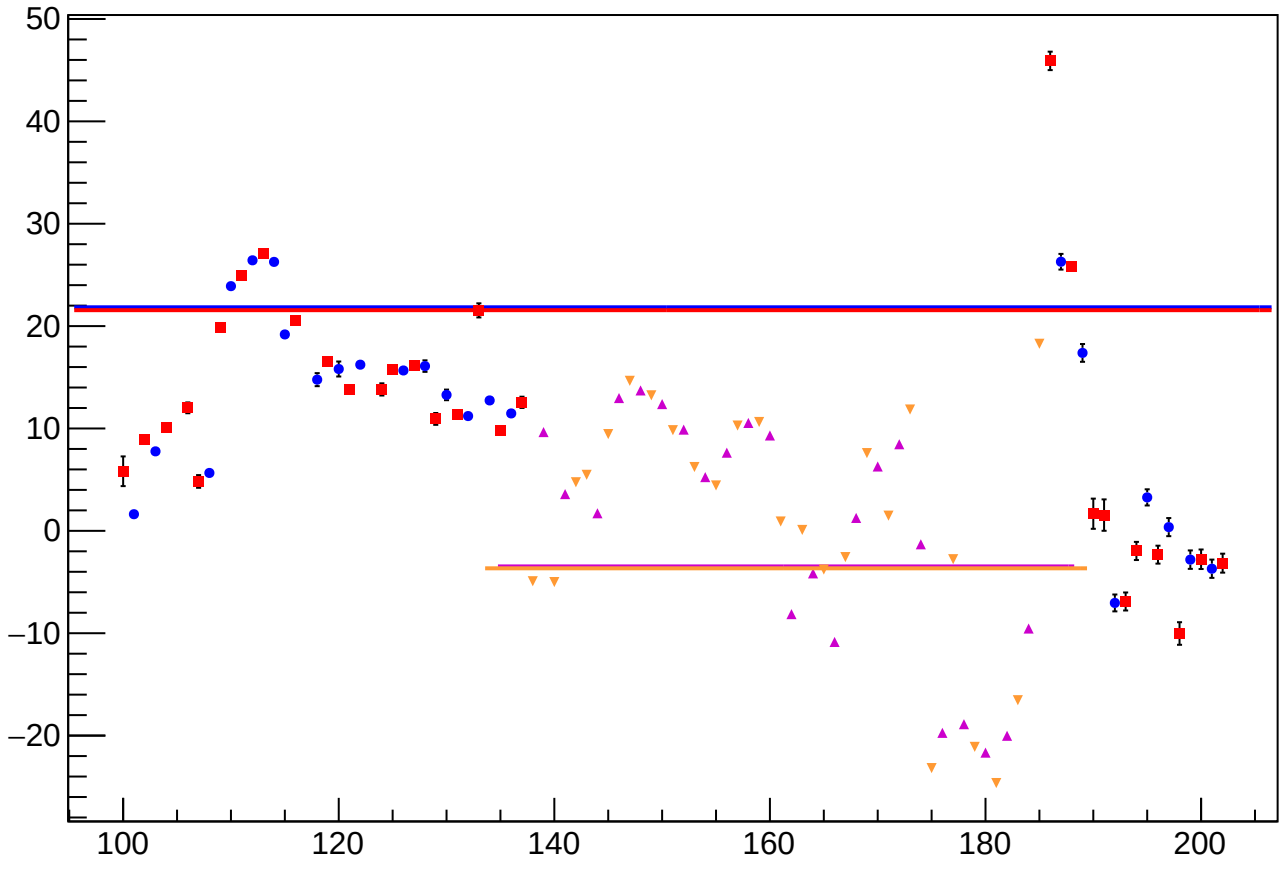
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.177+/-0.005 χ^2/NDF: 8149.9/51

In: 0.368+/-0.002 χ^2/NDF:5656.2/45

Out: 0.365+/-0.002 χ^2/NDF:6569.6/53

All: 0.367+/-0.002 χ^2/NDF: 12226.5/99



Right In: 21.837+/-0.056 χ^2/NDF: 16418.7/22

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.556+/-0.046 χ^2/NDF: 16604.1/28

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

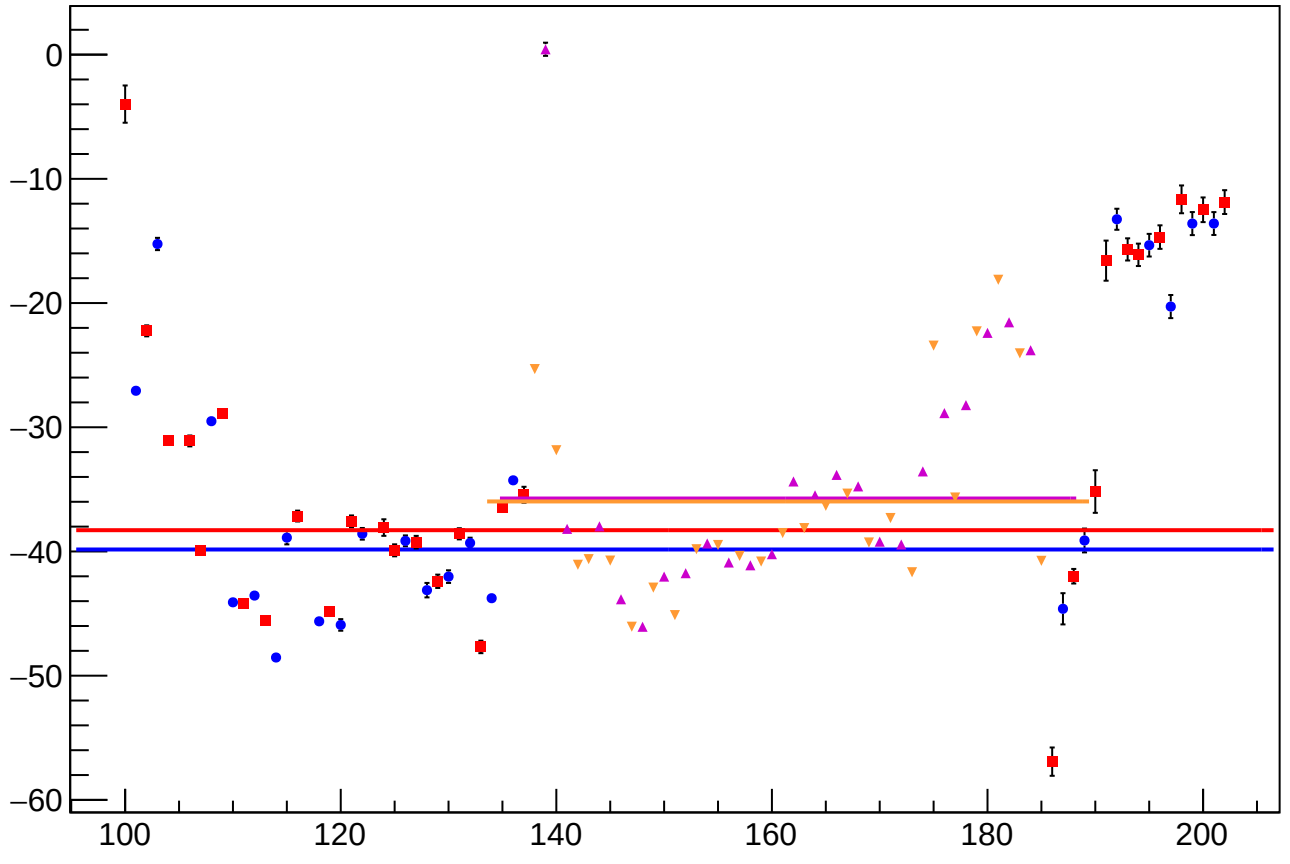
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.669+/-0.035 χ^2/NDF: 33038.0/51

In: 9.568+/-0.040 χ^2/NDF:161677.2/45

Out: 11.191+/-0.035 χ^2/NDF:199254.0/53

All: 10.488+/-0.026 χ^2/NDF: 361865.3/99



Right In: -39.841+/-0.075 χ^2/NDF: 11685.4/22

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.287+/-0.069 χ^2/NDF: 14560.4/28

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

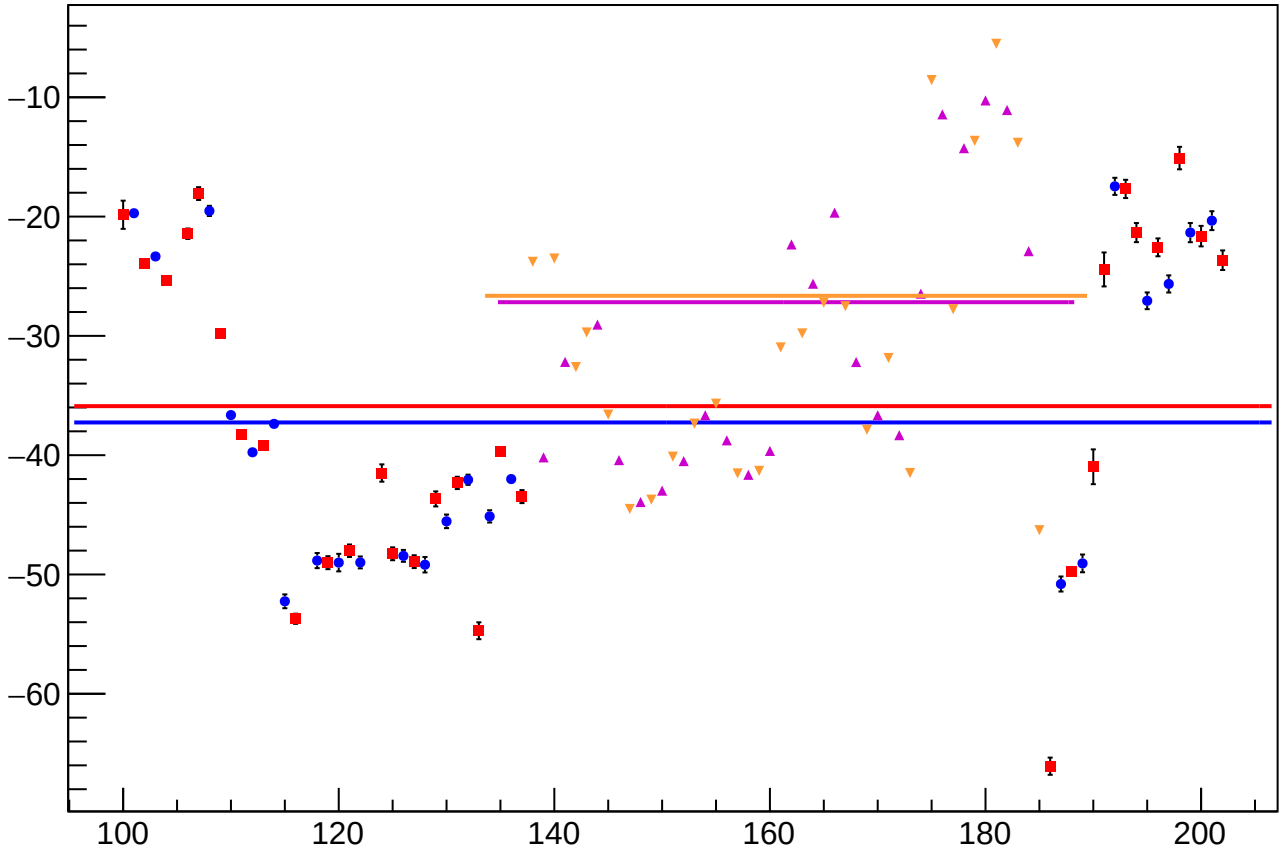
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.003+/-0.051 χ^2/NDF: 26478.5/51

In: -36.825+/-0.039 χ^2/NDF:41052.0/45

Out: -36.605+/-0.036 χ^2/NDF:48982.9/53

All: -36.709+/-0.026 χ^2/NDF: 90052.3/99



Right In: -37.257+/-0.071 χ^2/NDF: 13683.6/22

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.890+/-0.062 χ^2/NDF: 19064.5/28

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

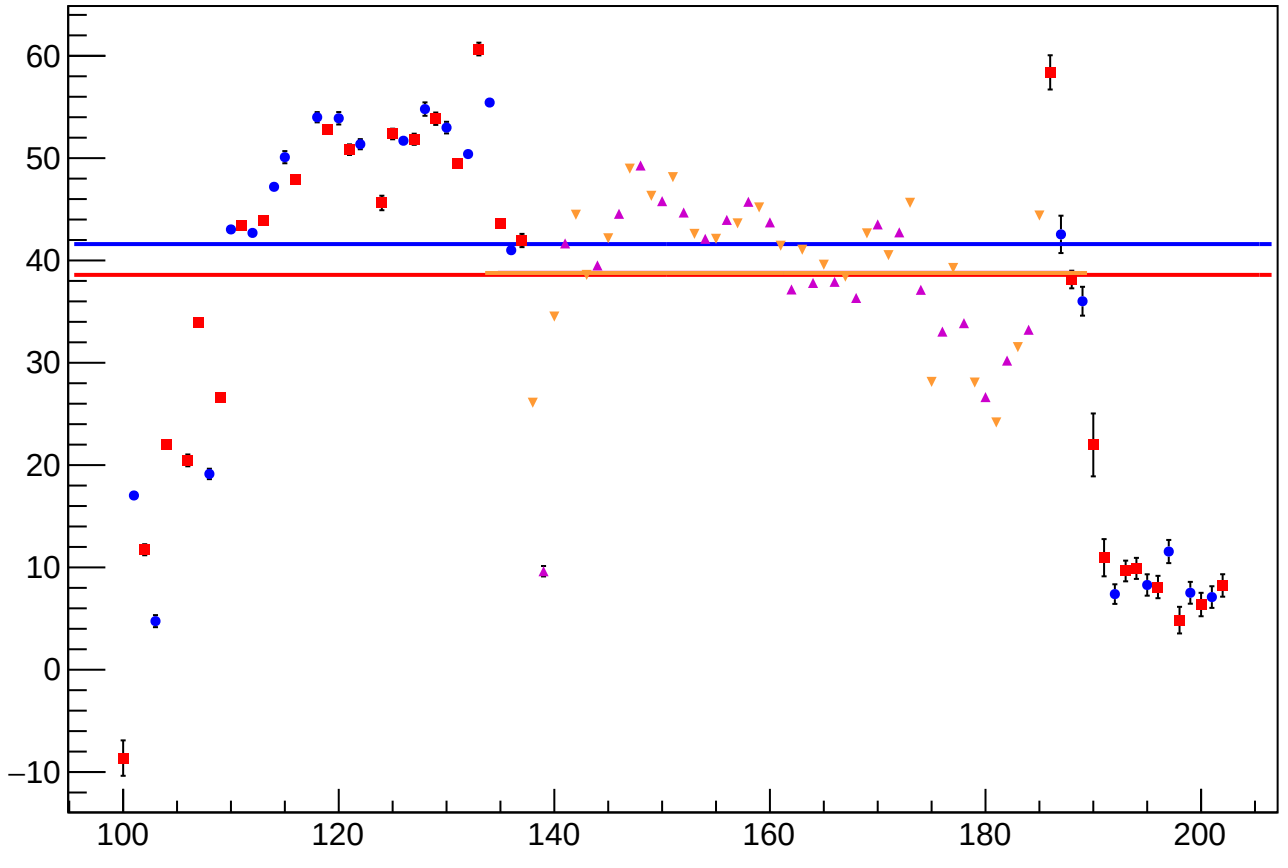
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.476+/-0.047 χ^2/NDF: 32958.7/51

In: -31.132+/-0.045 χ^2/NDF:66853.3/45

Out: -30.701+/-0.041 χ^2/NDF:81727.5/53

All: -30.898+/-0.030 χ^2/NDF: 148631.7/99



Right In: 41.601+/-0.083 χ^2/NDF: 20031.3/22

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.591+/-0.077 χ^2/NDF: 23127.3/28

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

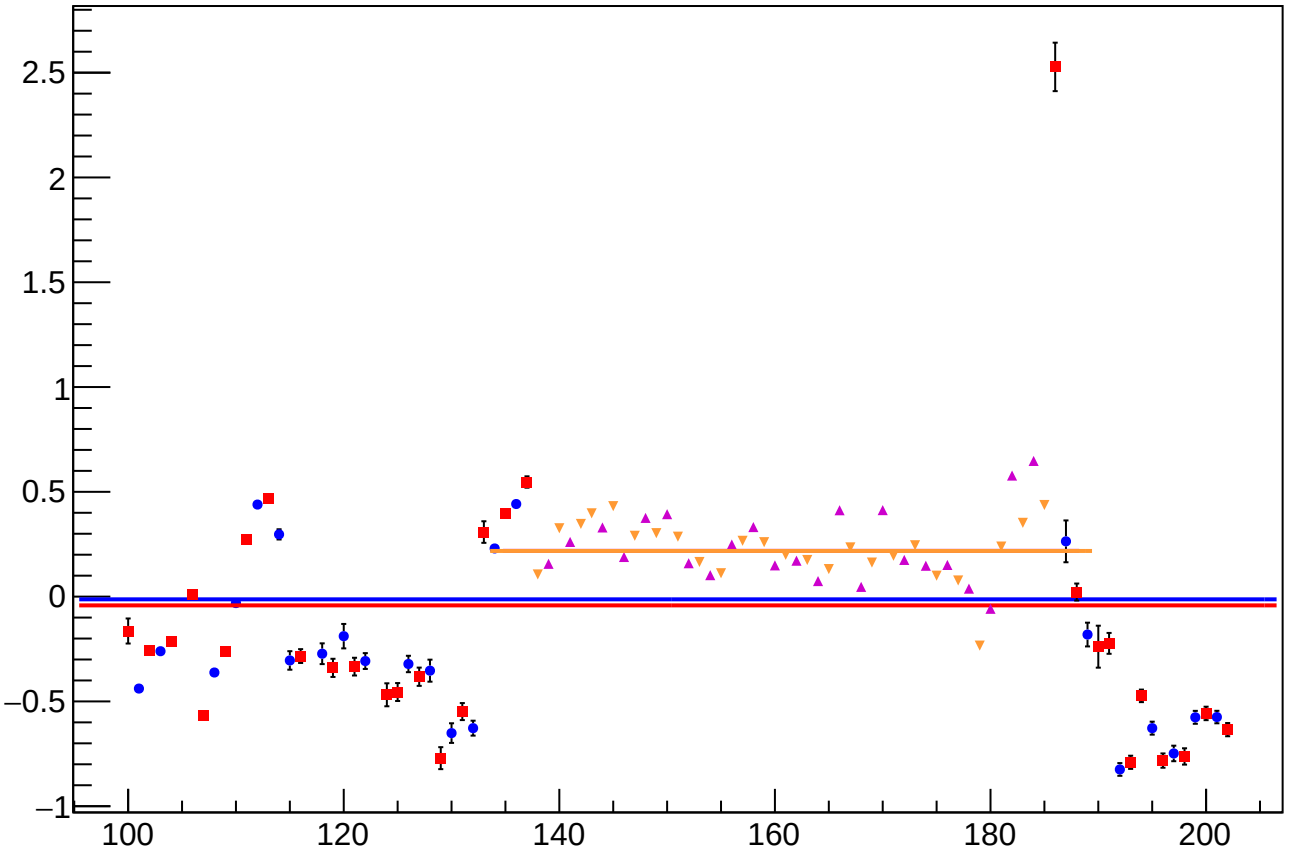
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 39.966+/-0.056 χ^2/NDF: 43865.2/51

In: 39.537+/-0.043 χ^2/NDF:37104.2/45

Out: 38.725+/-0.040 χ^2/NDF:44202.2/53

All: 39.107+/-0.029 χ^2/NDF: 81495.5/99



Right In: -0.013+/-0.005 χ^2/NDF: 7963.5/22

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.042+/-0.004 χ^2/NDF: 9328.6/28

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

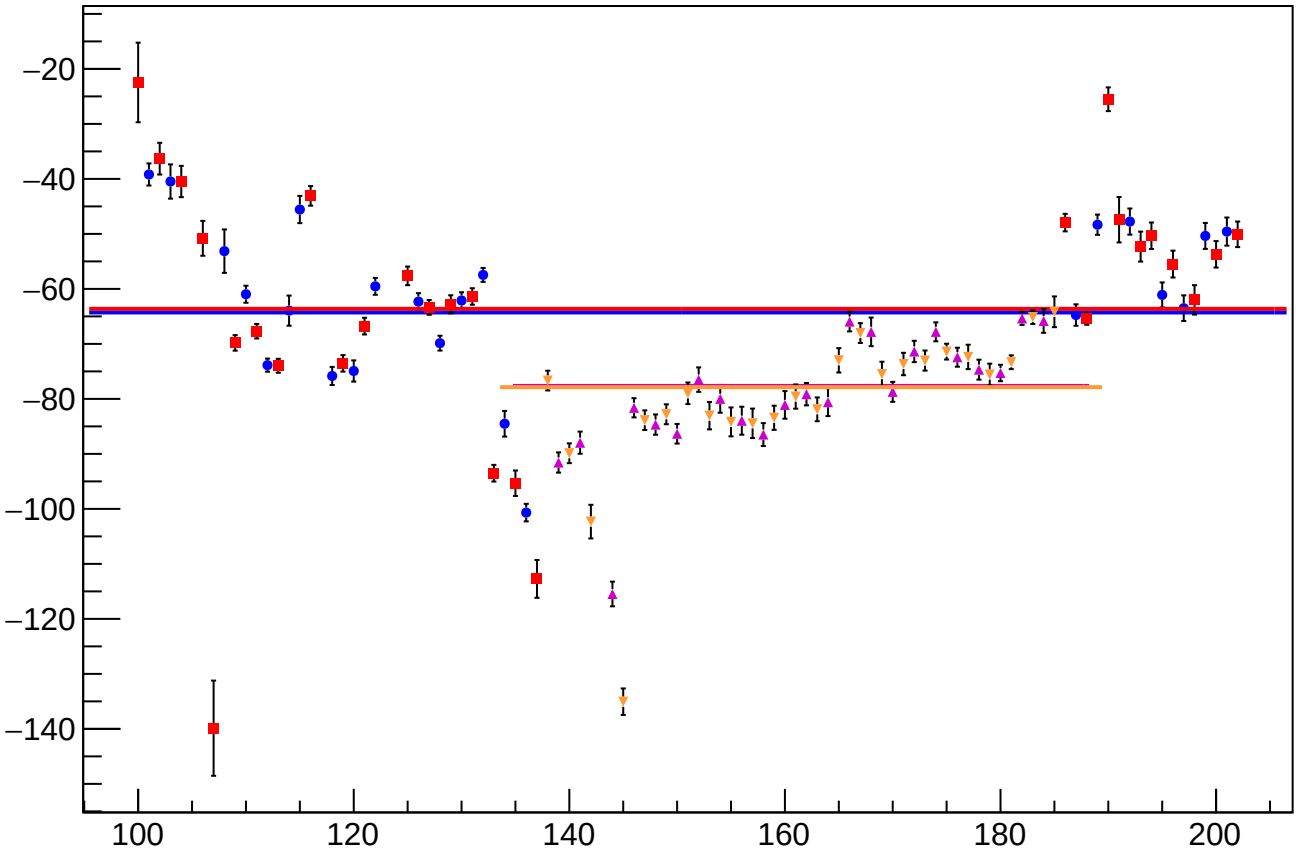
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.029+/-0.003 χ^2/NDF: 17314.2/51

In: 0.174+/-0.002 χ^2/NDF:15351.6/45

Out: 0.162+/-0.002 χ^2/NDF:16521.7/53

All: 0.168+/-0.001 χ^2/NDF: 31889.7/99



Right In: -64.285+/-0.379 χ^2/NDF: 1276.6/22

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.630+/-0.350 χ^2/NDF: 1889.4/27

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

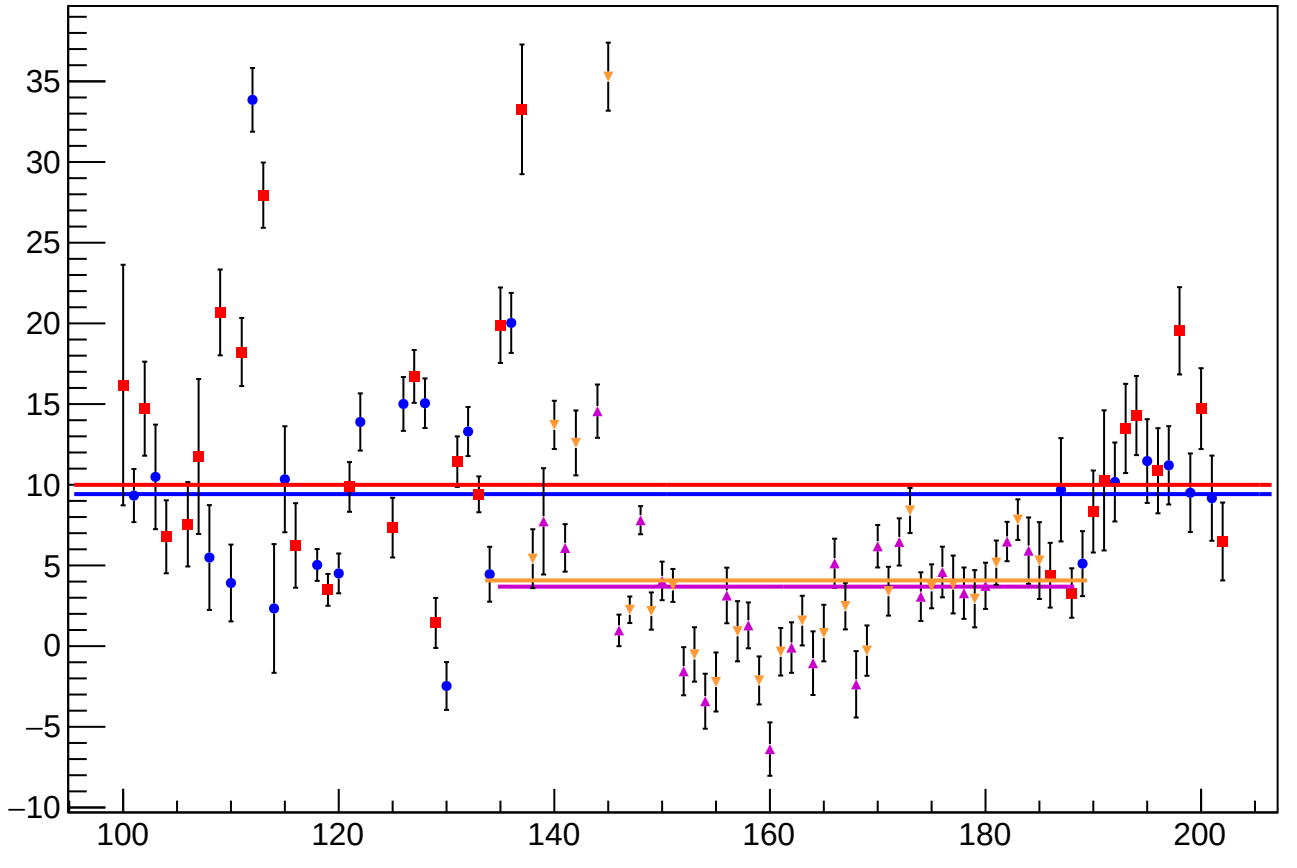
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -63.931+/-0.257 χ^2/NDF: 3167.6/50

In: -70.668+/-0.274 χ^2/NDF:2562.8/45

Out: -69.908+/-0.262 χ^2/NDF:3551.3/51

All: -70.270+/-0.189 χ^2/NDF: 6118.1/97



Right In: 9.420+/-0.389 χ^2/NDF: 347.8/22

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.995+/-0.376 χ^2/NDF: 314.2/27

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

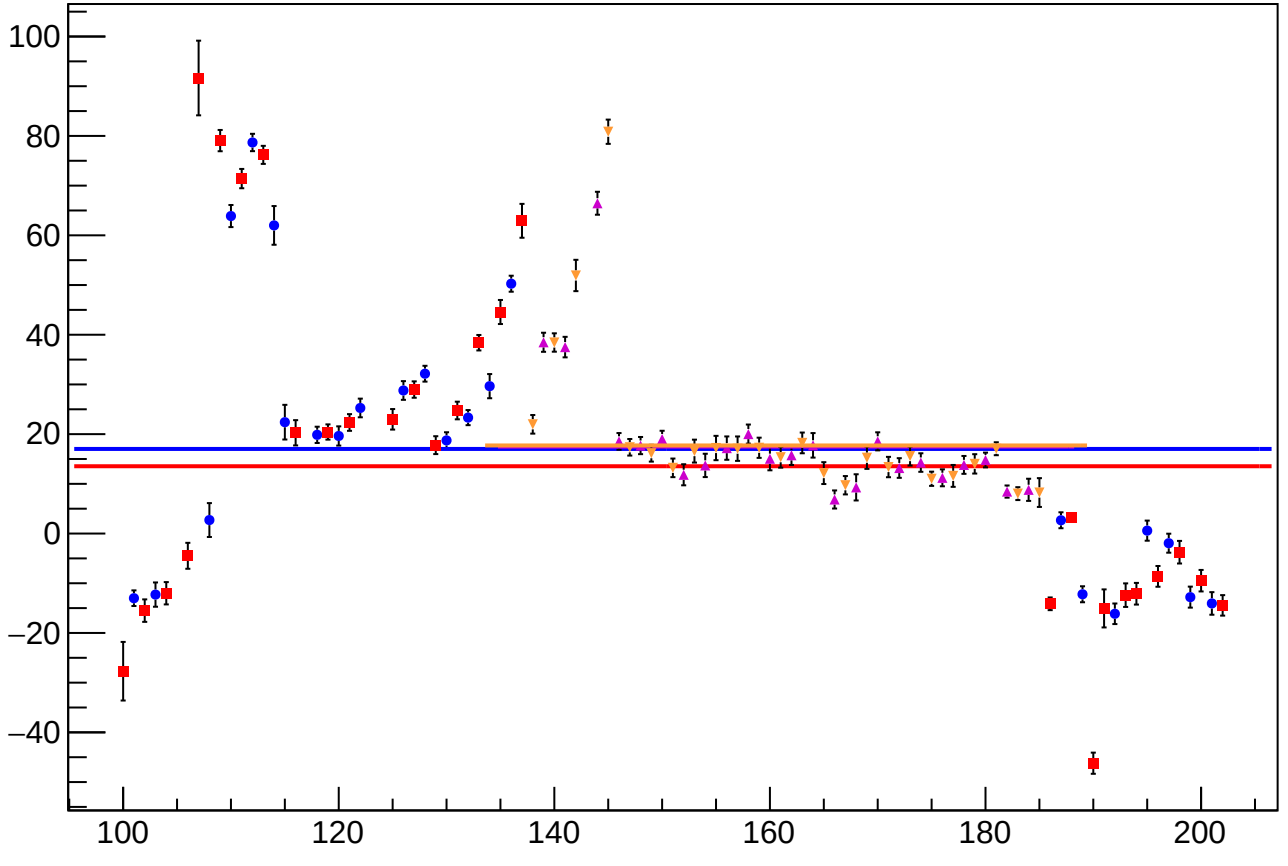
Right: 9.717+/-0.271 χ^2/NDF: 663.2/50

In: 5.837+/-0.238 χ^2/NDF:666.0/45

Out: 6.343+/-0.233 χ^2/NDF:837.5/51

All: 6.096+/-0.167 χ^2/NDF: 1505.8/97

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.023+/-0.400 χ^2/NDF: 4197.2/22

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 13.541+/-0.362 χ^2/NDF: 6524.1/27

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

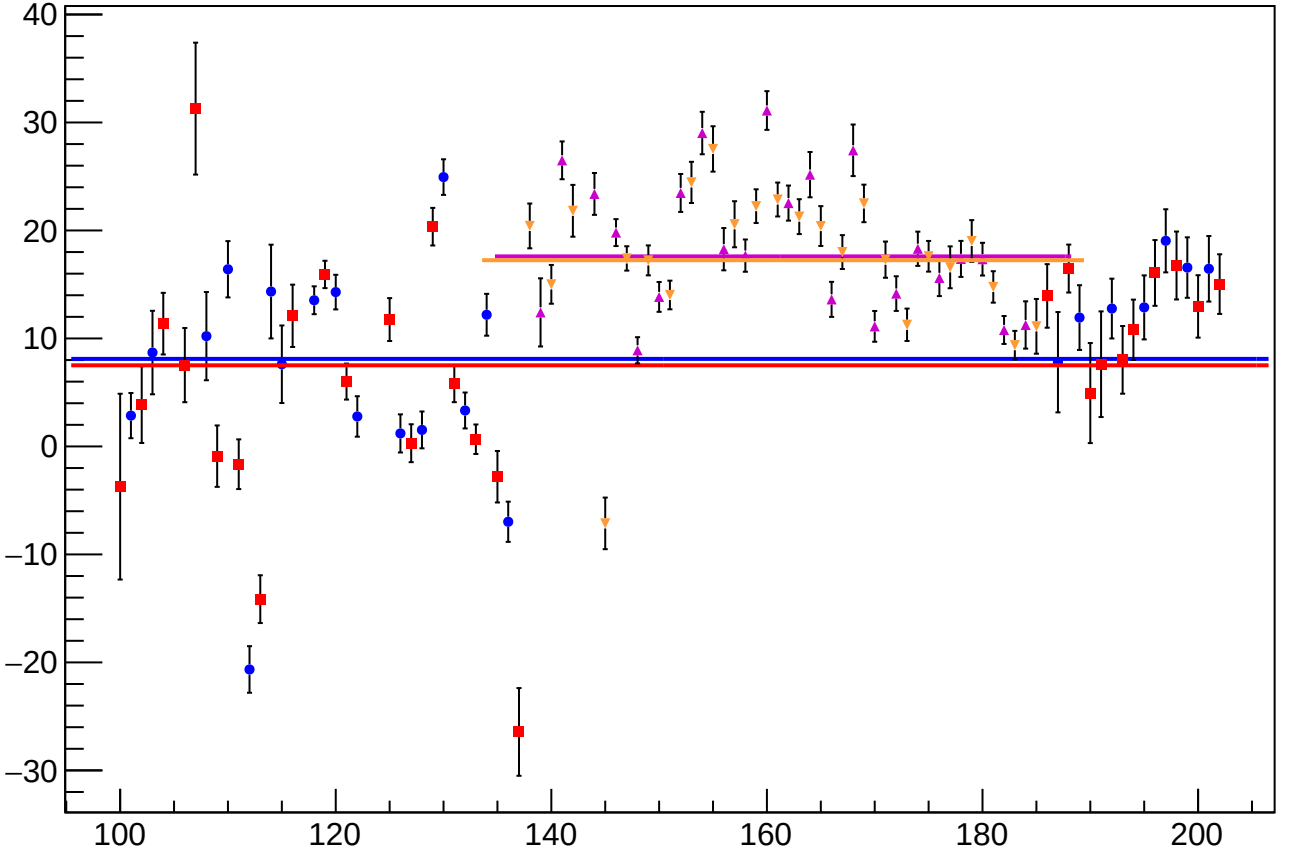
Right: 15.106+/-0.268 χ^2/NDF: 10763.0/50

In: 17.261+/-0.280 χ^2/NDF:5018.7/45

Out: 15.469+/-0.266 χ^2/NDF:7644.1/51

All: 16.317+/-0.193 χ^2/NDF: 12684.3/97

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.107+/-0.455 χ^2/NDF: 487.8/22

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.511+/-0.444 χ^2/NDF: 428.3/27

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

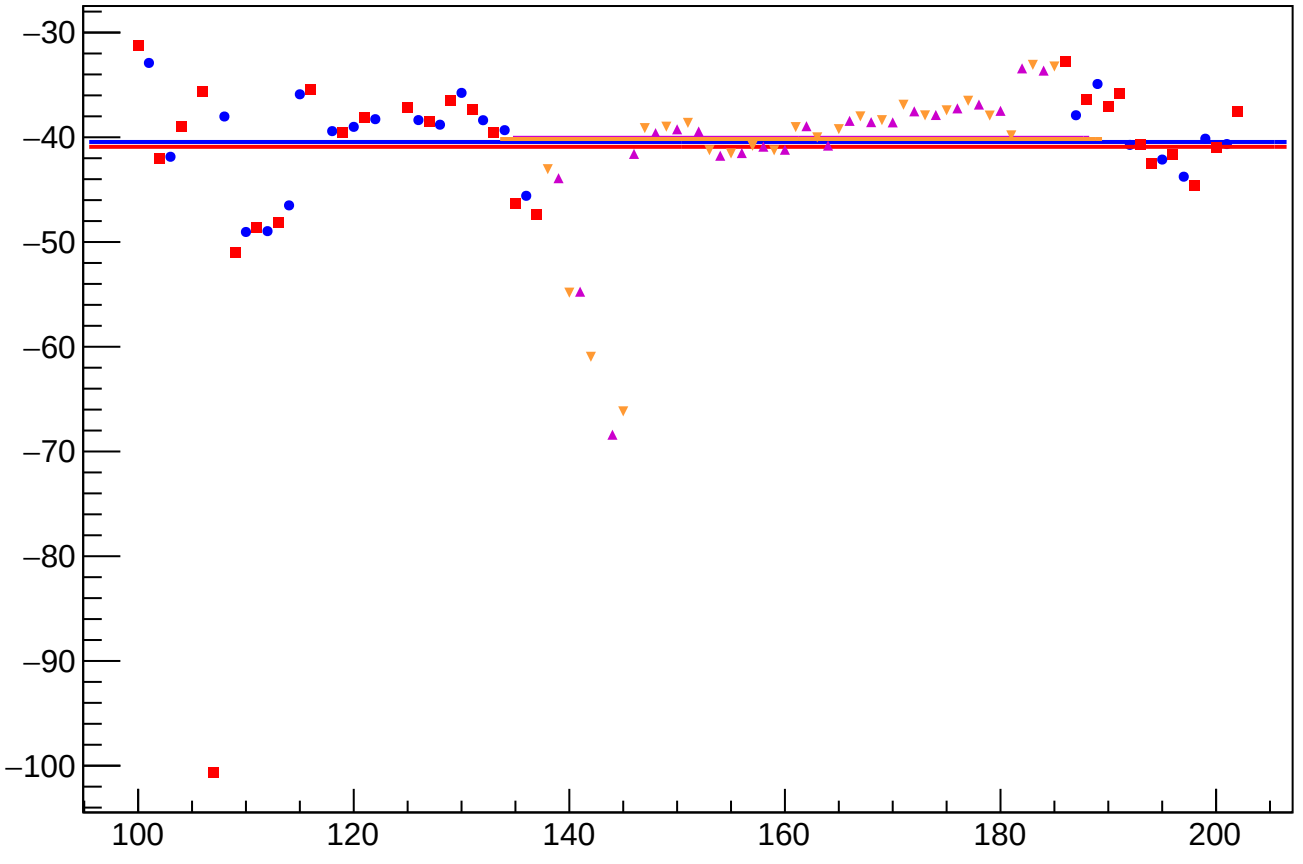
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 7.802+/-0.318 χ^2/NDF: 917.0/50

In: 14.170+/-0.274 χ^2/NDF:1075.1/45

Out: 13.674+/-0.269 χ^2/NDF:993.2/51

All: 13.918+/-0.192 χ^2/NDF: 2070.0/97



Right In: -40.447+/-0.024 χ^2/NDF: 24709.5/22

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.911+/-0.022 χ^2/NDF: 69268.6/27

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

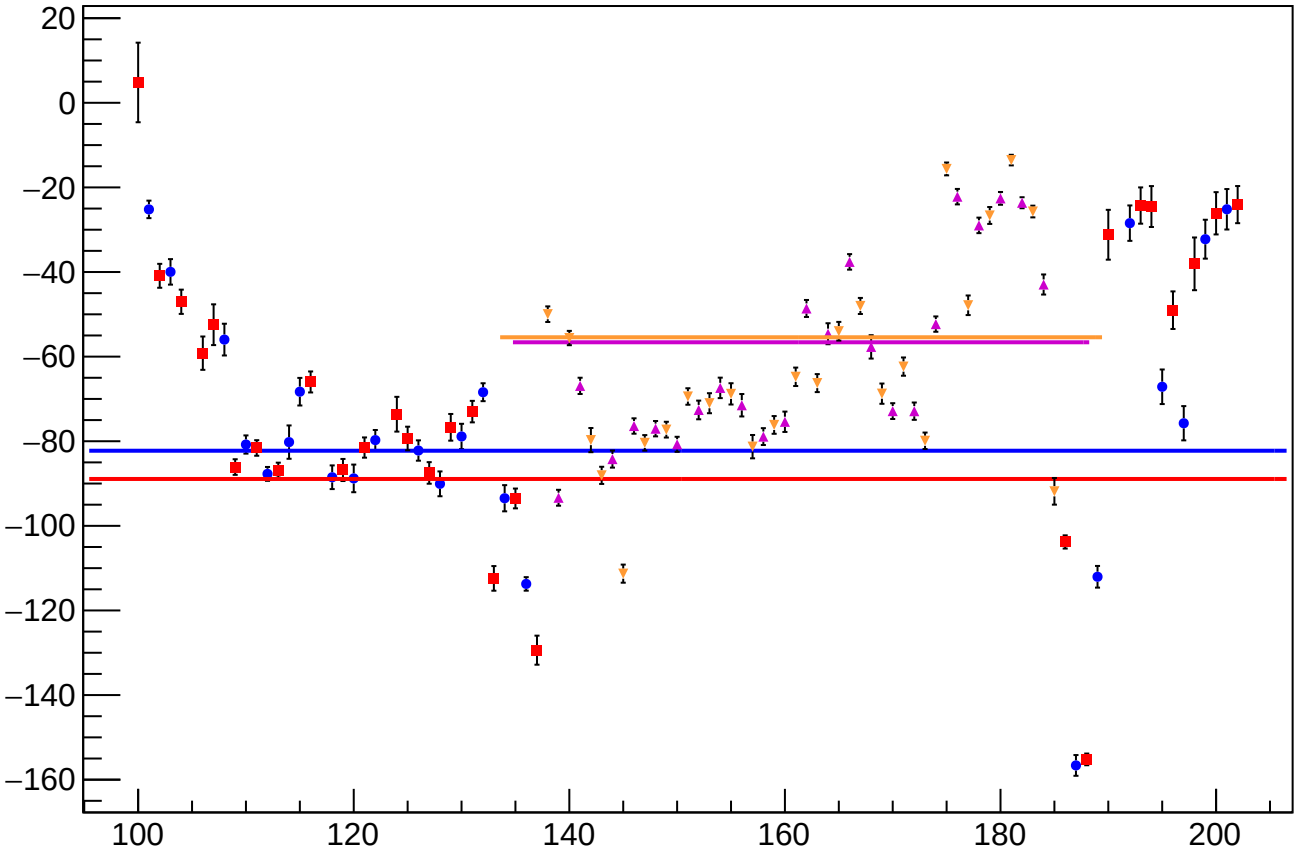
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -40.693+/-0.016 χ^2/NDF: 94179.4/50

In: -40.167+/-0.013 χ^2/NDF:161345.1/45

Out: -40.405+/-0.013 χ^2/NDF:233356.8/51

All: -40.288+/-0.009 χ^2/NDF: 394873.7/97



Right In: -82.244+/-0.553 χ^2/NDF: 2994.6/22

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -88.919+/-0.502 χ^2/NDF: 4532.1/27

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

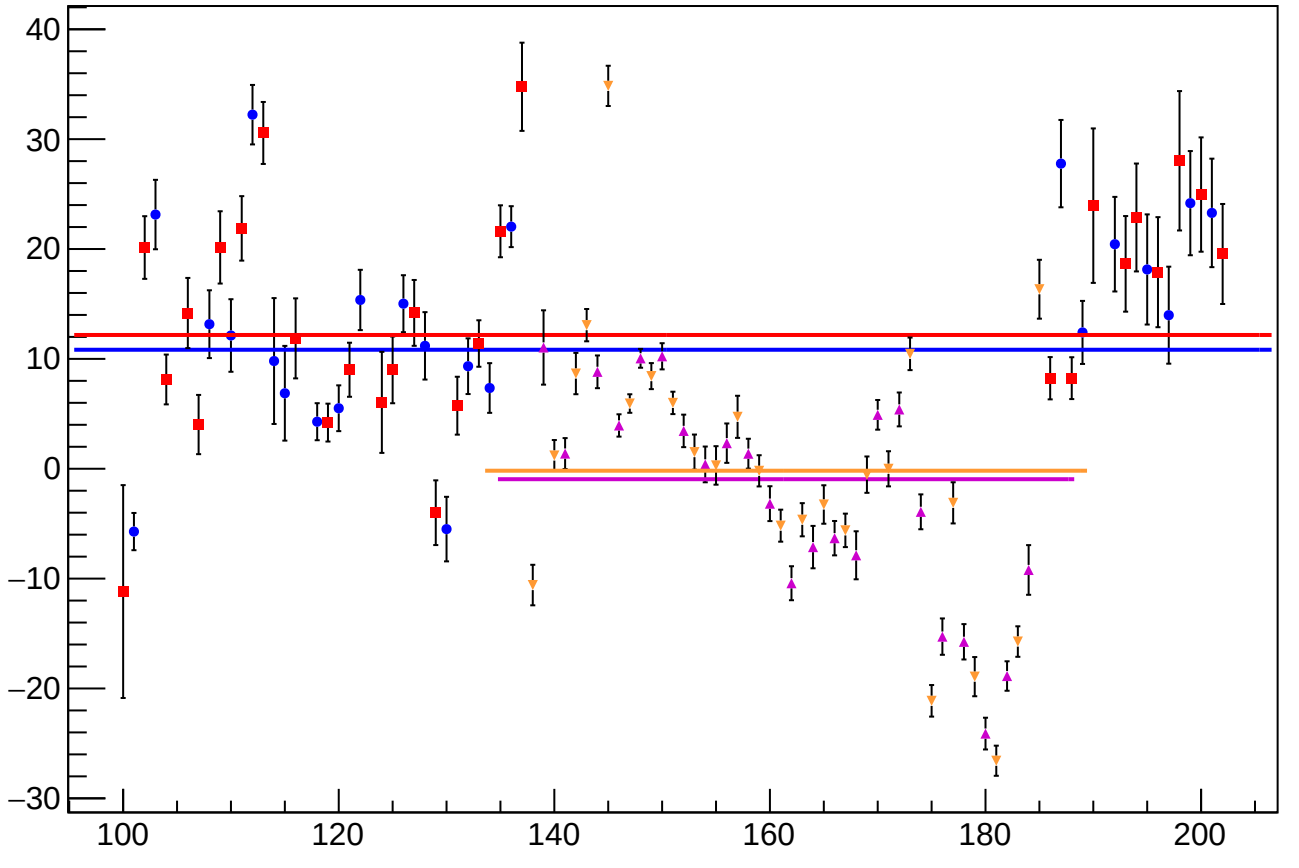
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -85.906+/-0.372 χ^2/NDF: 7606.6/50

In: -65.514+/-0.326 χ^2/NDF:7745.3/45

Out: -68.164+/-0.310 χ^2/NDF:11816.3/52

All: -66.908+/-0.225 χ^2/NDF: 19596.3/98



Right In: 10.831+/-0.577 χ^2/NDF: 311.7/22

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.176+/-0.553 χ^2/NDF: 230.3/27

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

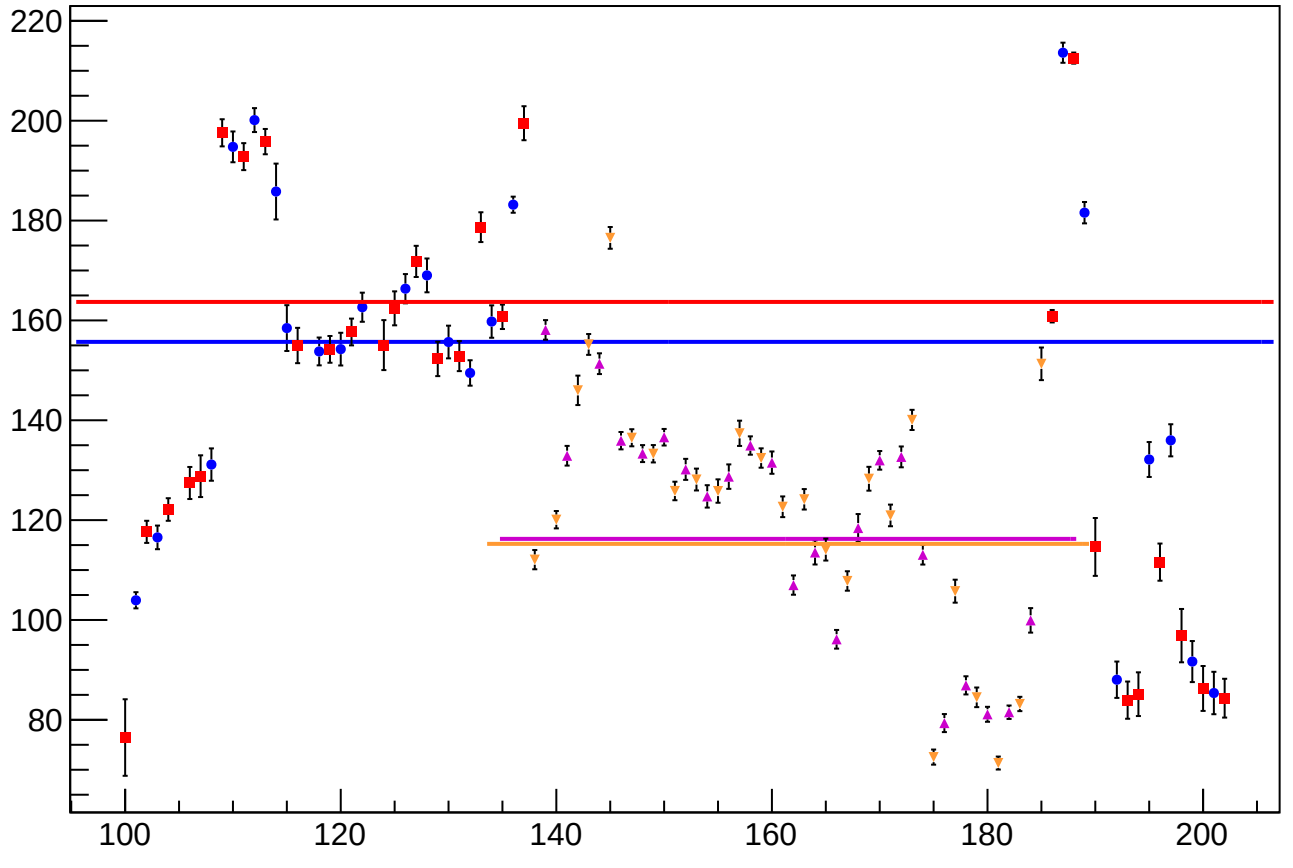
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 11.532+/-0.399 χ^2/NDF: 544.8/50

In: 1.611+/-0.269 χ^2/NDF:1707.9/45

Out: 2.549+/-0.260 χ^2/NDF:2218.5/52

All: 2.097+/-0.187 χ^2/NDF: 3932.7/98



Right In: 155.703+/-0.566 χ^2/NDF: 4136.3/22

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 163.704+/-0.501 χ^2/NDF: 5582.3/27

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

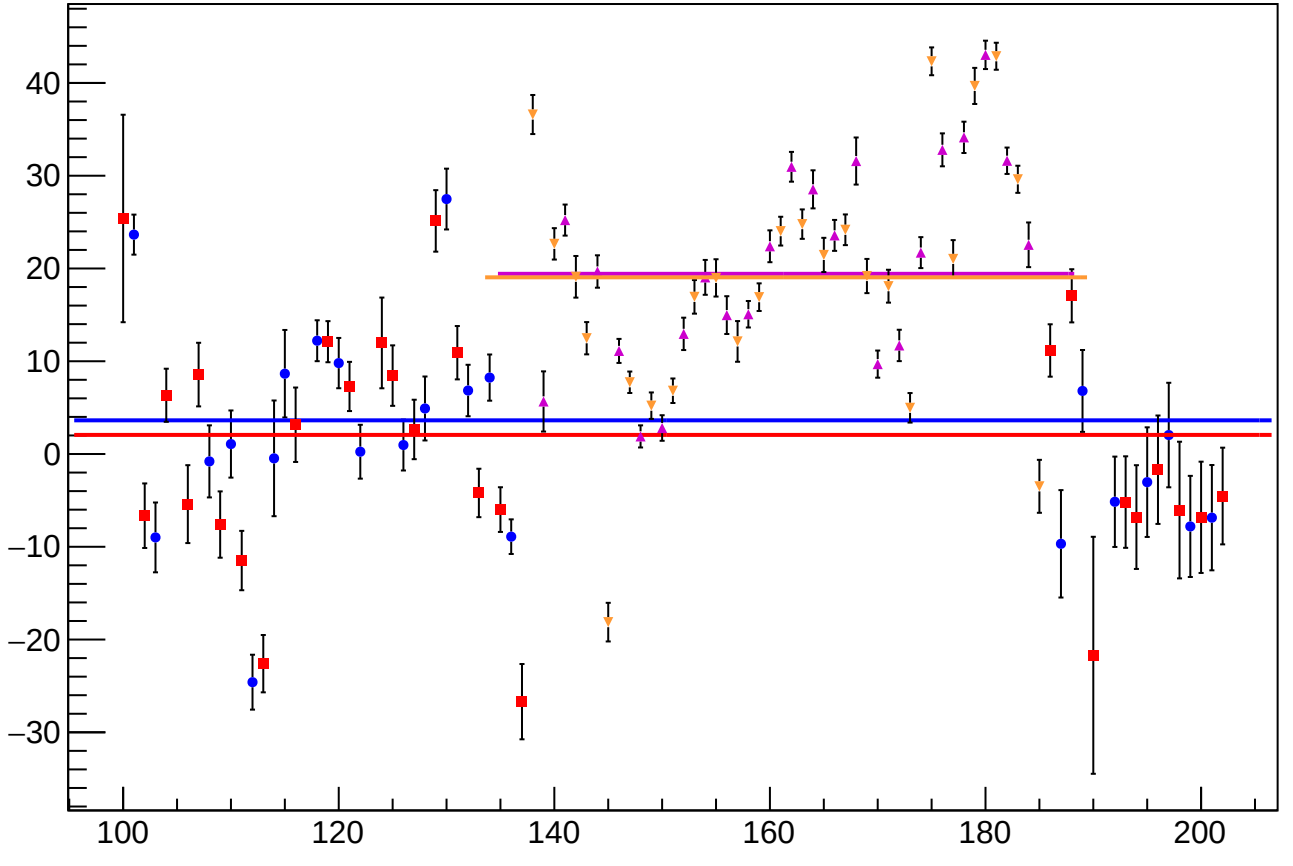
Right: 160.188+/-0.375 χ^2/NDF: 9830.5/50

In: 129.339+/-0.326 χ^2/NDF:11016.0/45

Out: 133.529+/-0.308 χ^2/NDF:16234.5/52

All: 131.554+/-0.224 χ^2/NDF: 27337.7/98

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.631+/-0.673 χ^2/NDF: 335.5/22

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.060+/-0.658 χ^2/NDF: 317.4/27

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

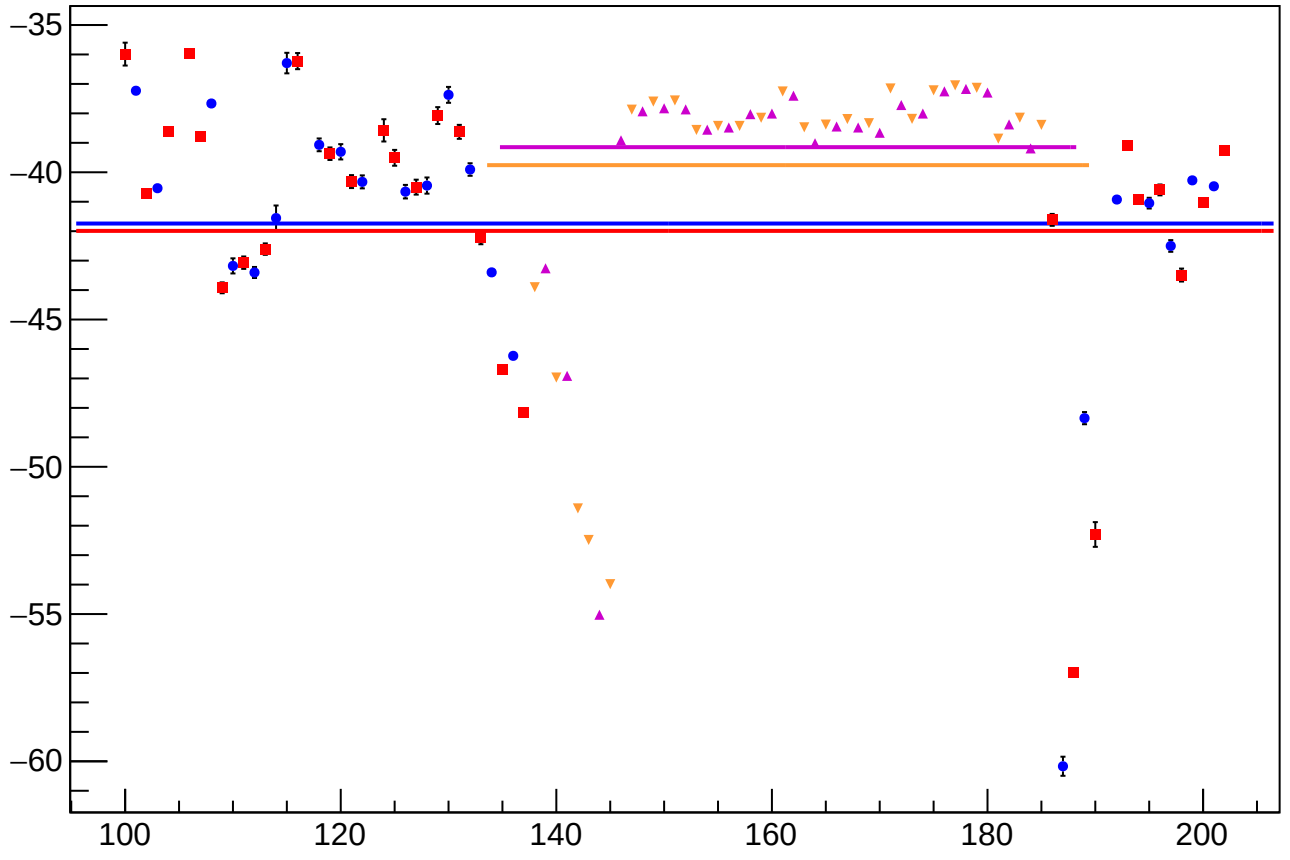
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 2.828+/-0.471 χ^2/NDF: 655.7/50

In: 16.125+/-0.307 χ^2/NDF:1848.8/45

Out: 15.534+/-0.299 χ^2/NDF:2391.2/52

All: 15.822+/-0.214 χ^2/NDF: 4241.9/98



Right In: -41.740+/-0.033 χ^2/NDF: 12418.2/22

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.990+/-0.033 χ^2/NDF: 19448.2/27

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

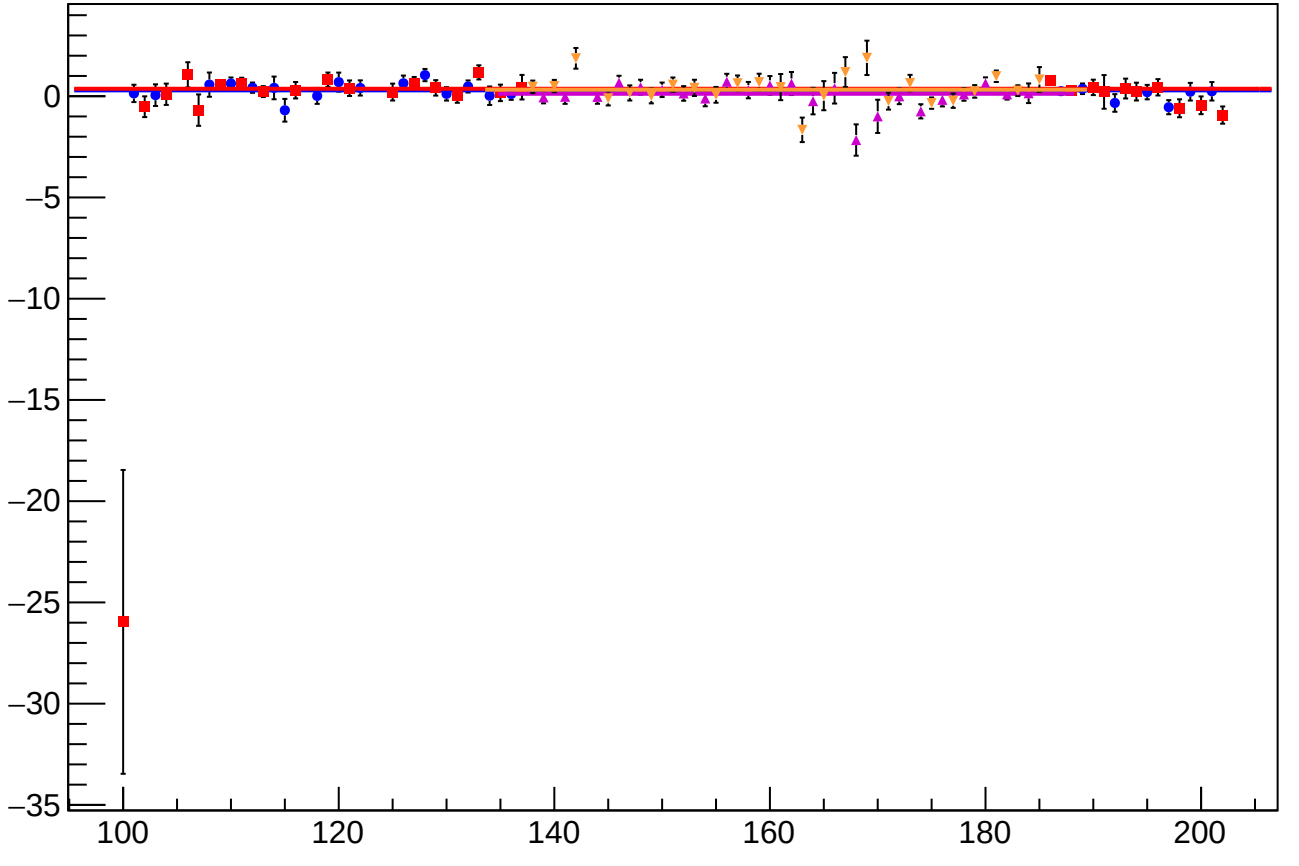
Right: -41.867+/-0.023 χ^2/NDF: 31894.8/50

In: -39.613+/-0.014 χ^2/NDF:64282.4/45

Out: -40.160+/-0.014 χ^2/NDF:105083.1/52

All: -39.890+/-0.010 χ^2/NDF: 170124.2/98

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.289+/-0.074 χ^2/NDF: 23.0/22

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.368+/-0.062 χ^2/NDF: 53.5/27

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

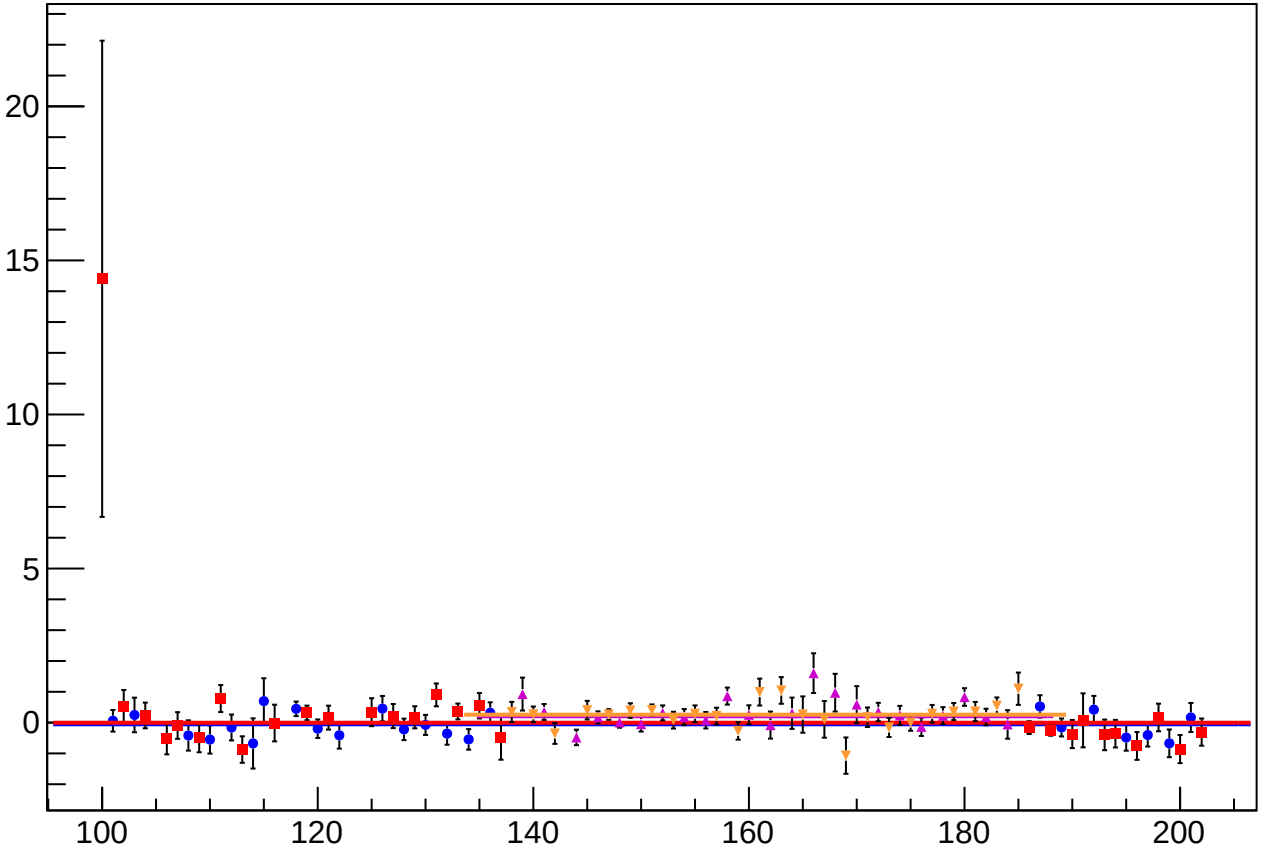
Right: 0.335+/-0.048 χ^2/NDF: 77.1/50

In: 0.211+/-0.054 χ^2/NDF:55.4/45

Out: 0.350+/-0.049 χ^2/NDF:100.6/51

All: 0.287+/-0.036 χ^2/NDF: 159.6/97

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.055+/-0.079 χ^2/NDF: 22.8/22

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: -0.004+/-0.071 χ^2/NDF: 38.6/27

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

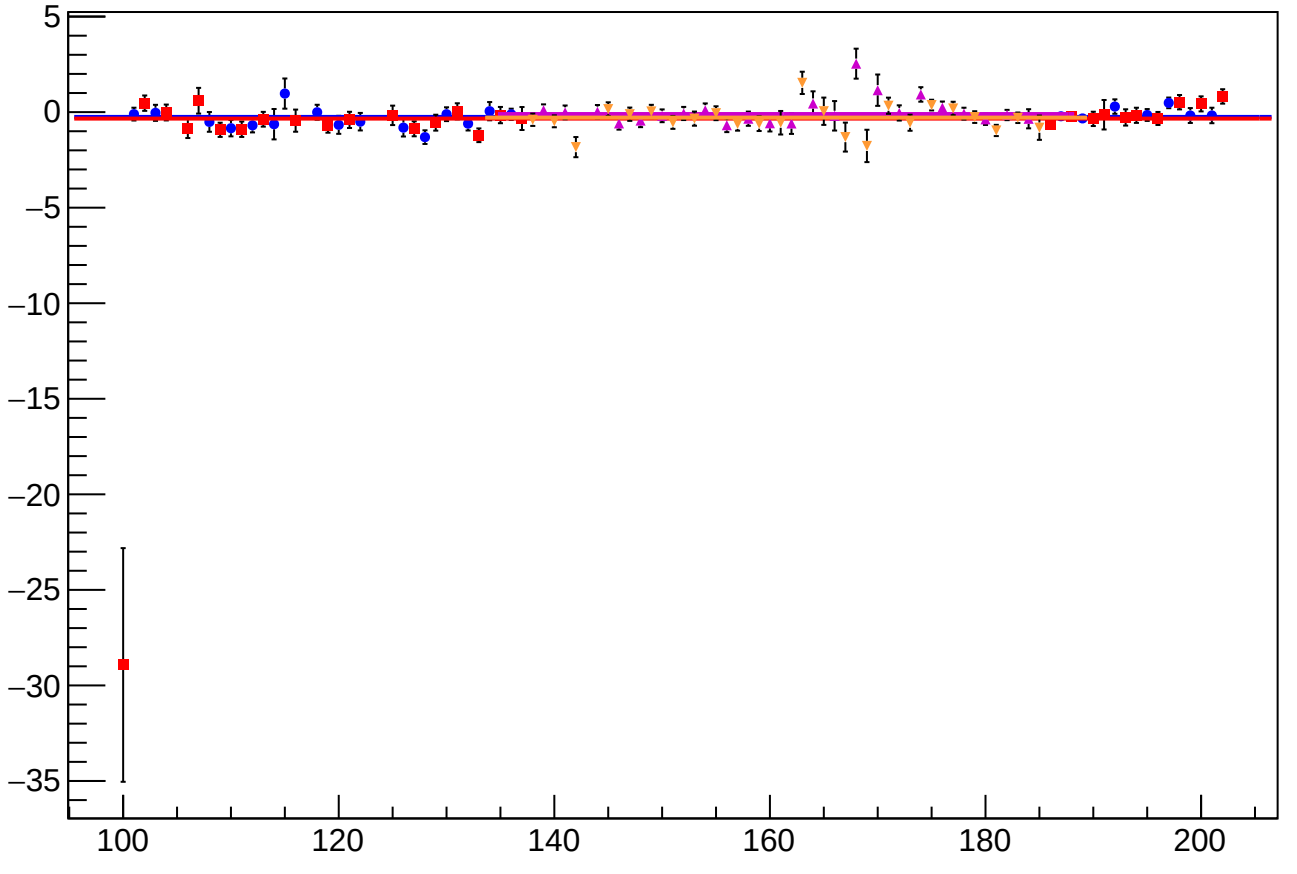
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: -0.027+/-0.053 χ^2/NDF: 61.7/50

In: 0.111+/-0.048 χ^2/NDF:61.6/45

Out: 0.150+/-0.046 χ^2/NDF:73.1/51

All: 0.131+/-0.033 χ^2/NDF: 135.1/97



Right In: -0.251+/-0.073 χ^2/NDF: 29.4/22

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.338+/-0.059 χ^2/NDF: 68.5/27

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

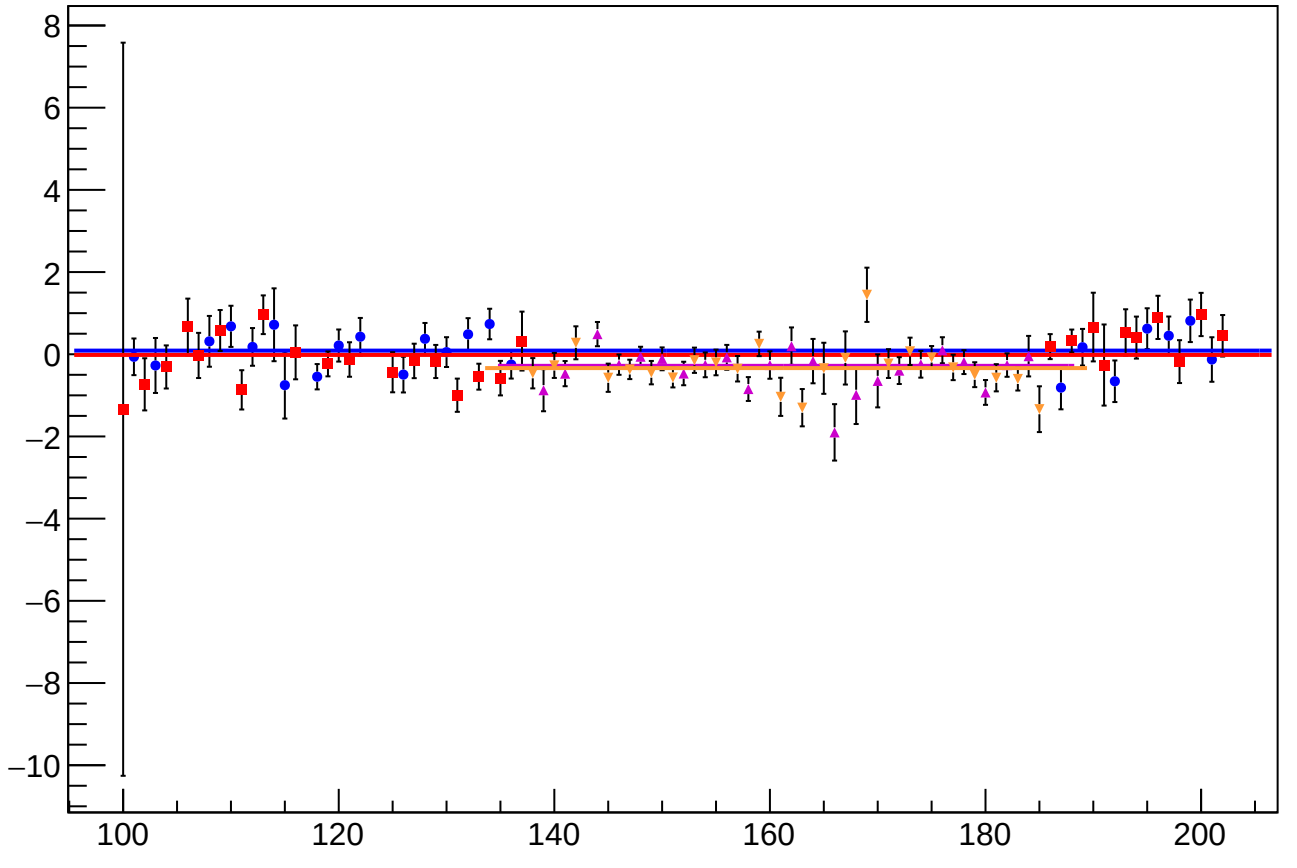
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.304+/-0.046 χ^2/NDF: 98.8/50

In: -0.181+/-0.053 χ^2/NDF:64.6/45

Out: -0.319+/-0.047 χ^2/NDF:113.9/51

All: -0.259+/-0.035 χ^2/NDF: 182.2/97



Right In: 0.089+/-0.094 χ^2/NDF: 24.9/22

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.016+/-0.087 χ^2/NDF: 35.6/27

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

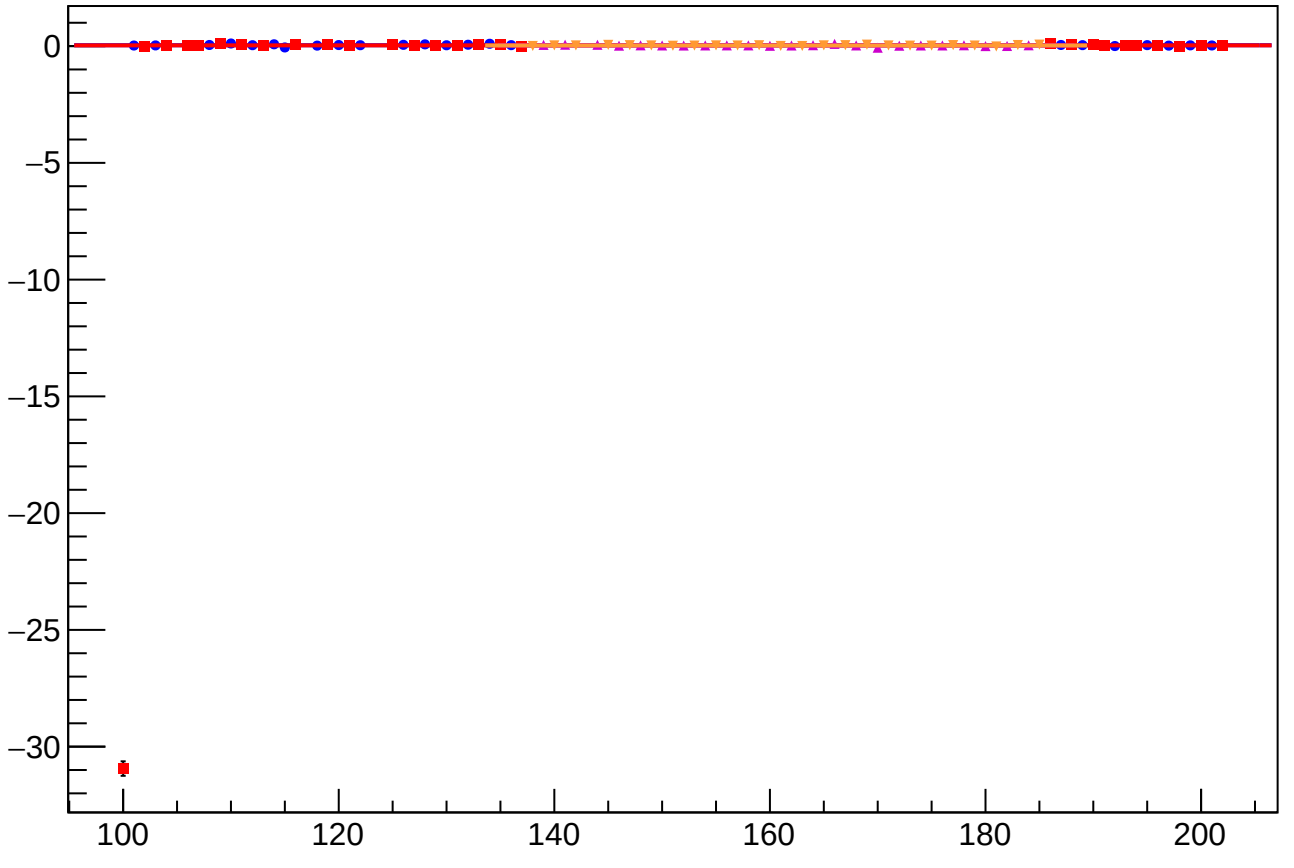
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: 0.032+/-0.064 χ^2/NDF: 61.1/50

In: -0.152+/-0.056 χ^2/NDF:64.0/45

Out: -0.216+/-0.054 χ^2/NDF:74.1/51

All: -0.185+/-0.039 χ^2/NDF: 138.7/97



Right In: 0.039+/-0.004 χ^2/NDF: 28.8/22

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.032+/-0.004 χ^2/NDF: 10047.7/27

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

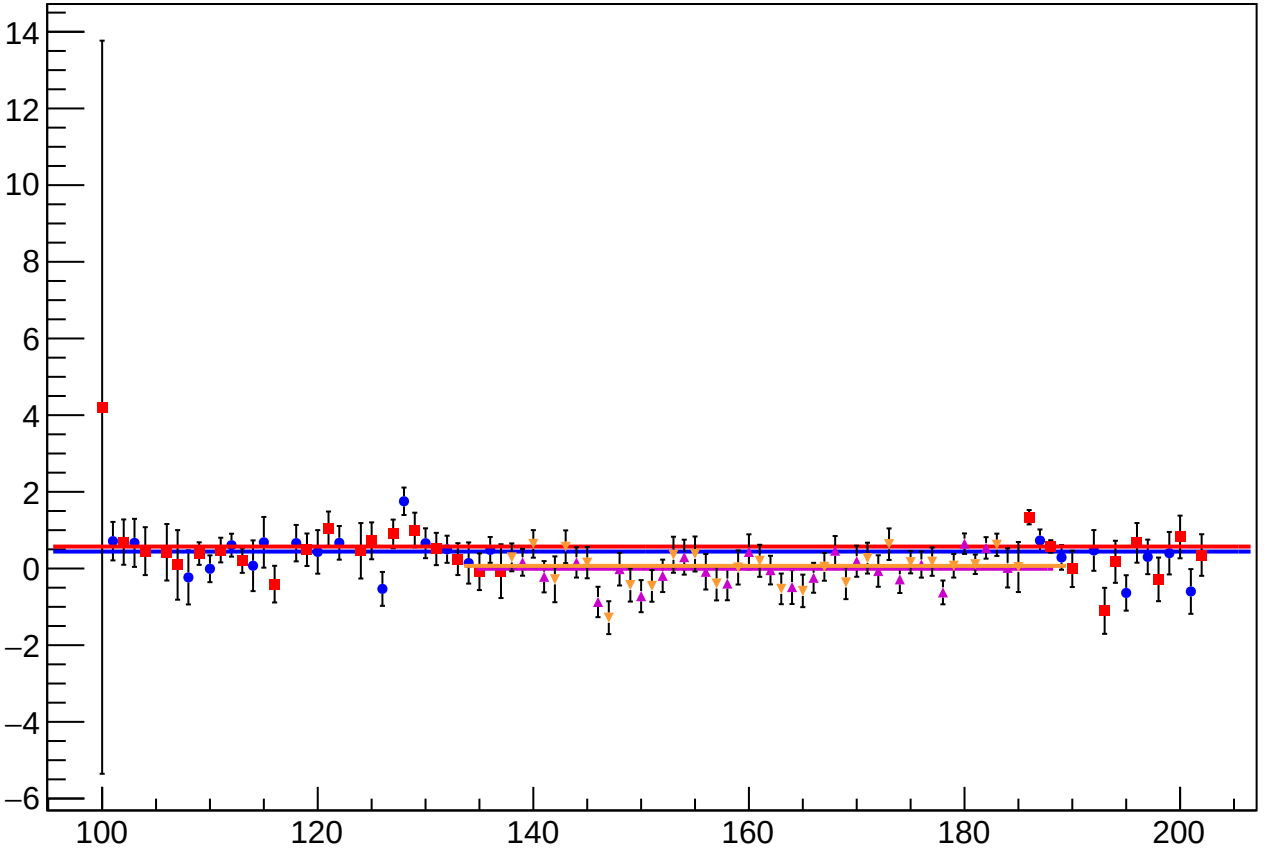
Right: 0.035+/-0.003 χ^2/NDF: 10077.6/50

In: 0.032+/-0.003 χ^2/NDF:70.6/45

Out: 0.029+/-0.002 χ^2/NDF:10075.9/51

All: 0.031+/-0.002 χ^2/NDF: 10147.2/97

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.442+/-0.089 χ^2/NDF: 33.1/22

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.572+/-0.074 χ^2/NDF: 42.1/27

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

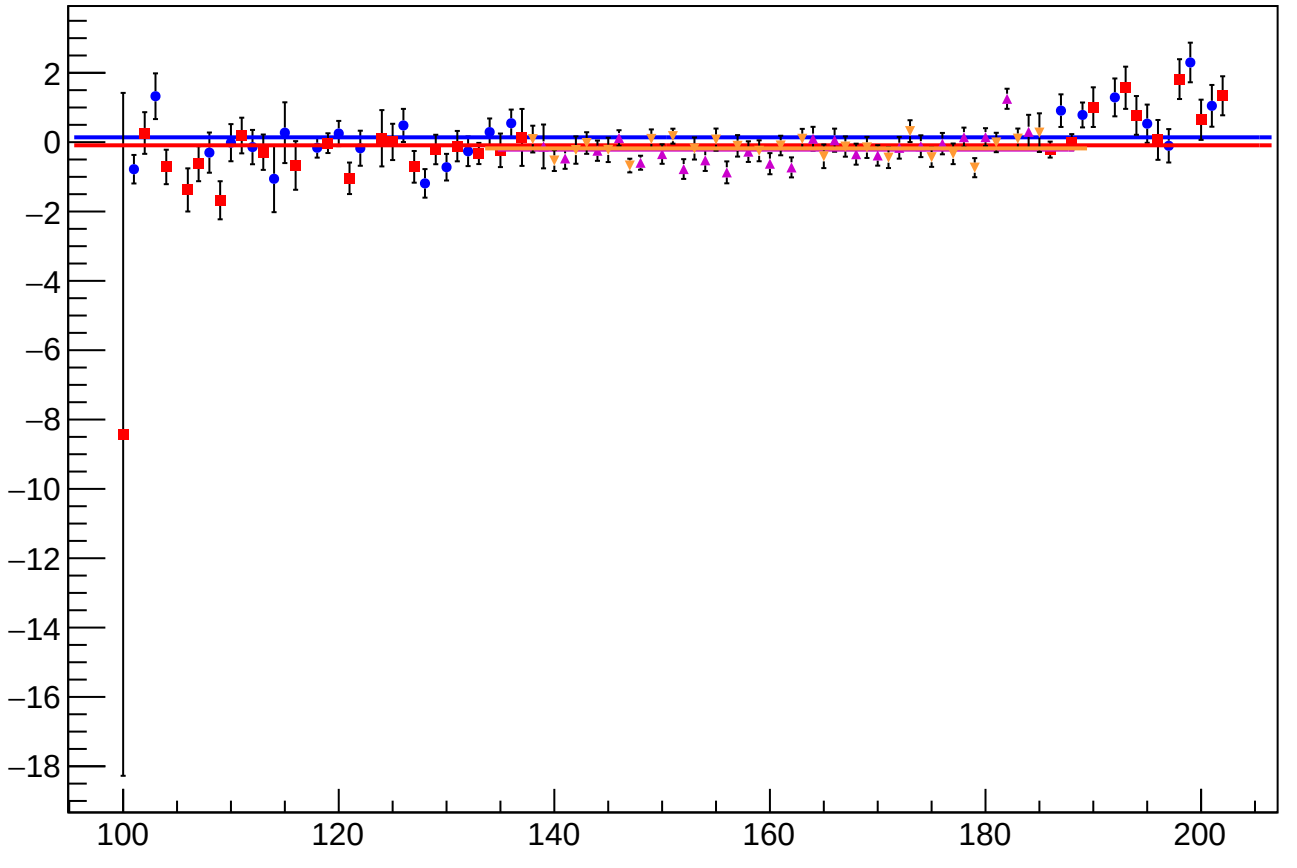
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.519+/-0.057 χ^2/NDF: 76.5/50

In: 0.192+/-0.059 χ^2/NDF:75.8/45

Out: 0.330+/-0.054 χ^2/NDF:95.3/52

All: 0.268+/-0.040 χ^2/NDF: 174.0/98



Right In: 0.140+/-0.096 χ^2/NDF: 58.1/22

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.091+/-0.085 χ^2/NDF: 57.9/27

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

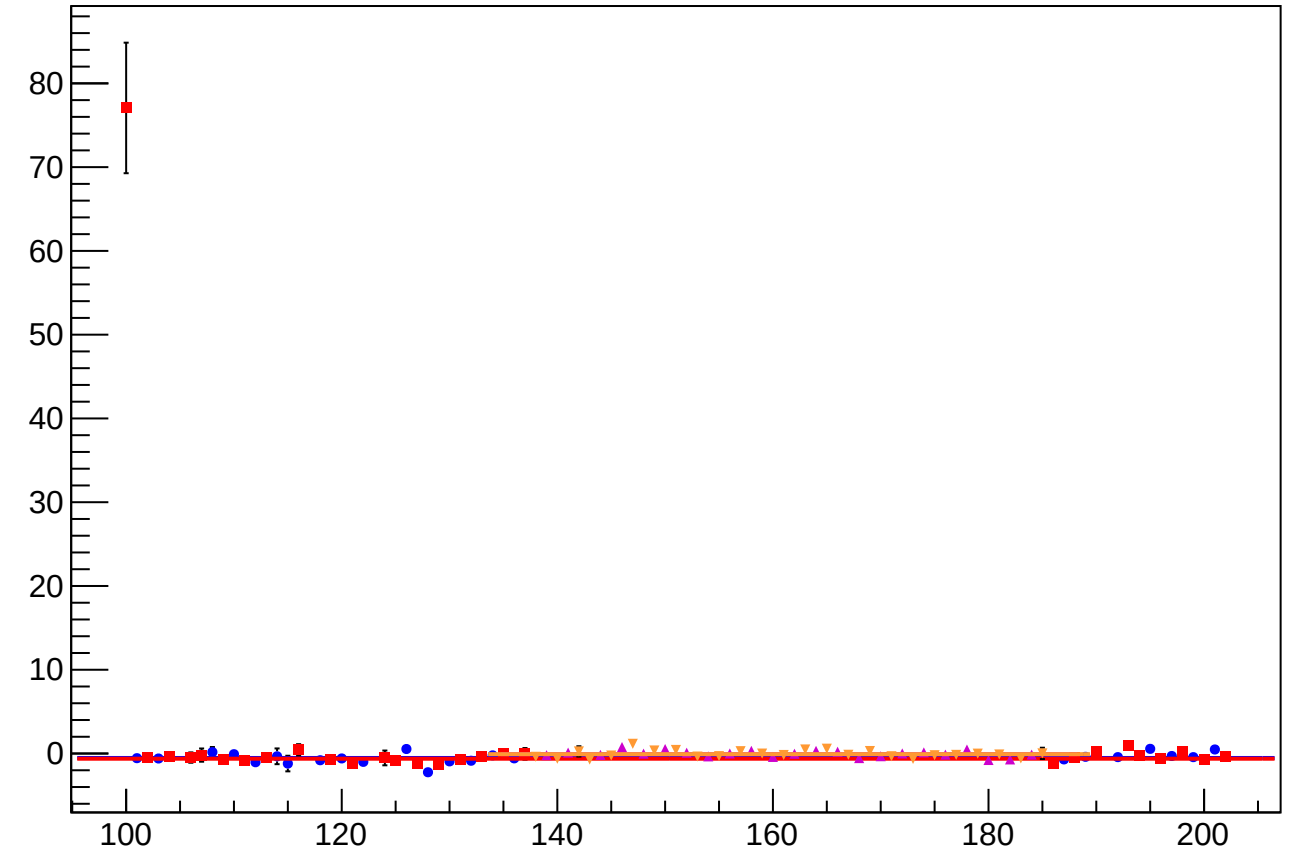
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.011+/-0.063 χ^2/NDF: 119.2/50

In: -0.111+/-0.052 χ^2/NDF:121.5/45

Out: -0.151+/-0.048 χ^2/NDF:83.3/52

All: -0.132+/-0.035 χ^2/NDF: 205.1/98



Right In: -0.533+/-0.089 χ^2/NDF: 39.7/22

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.620+/-0.071 χ^2/NDF: 140.3/27

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

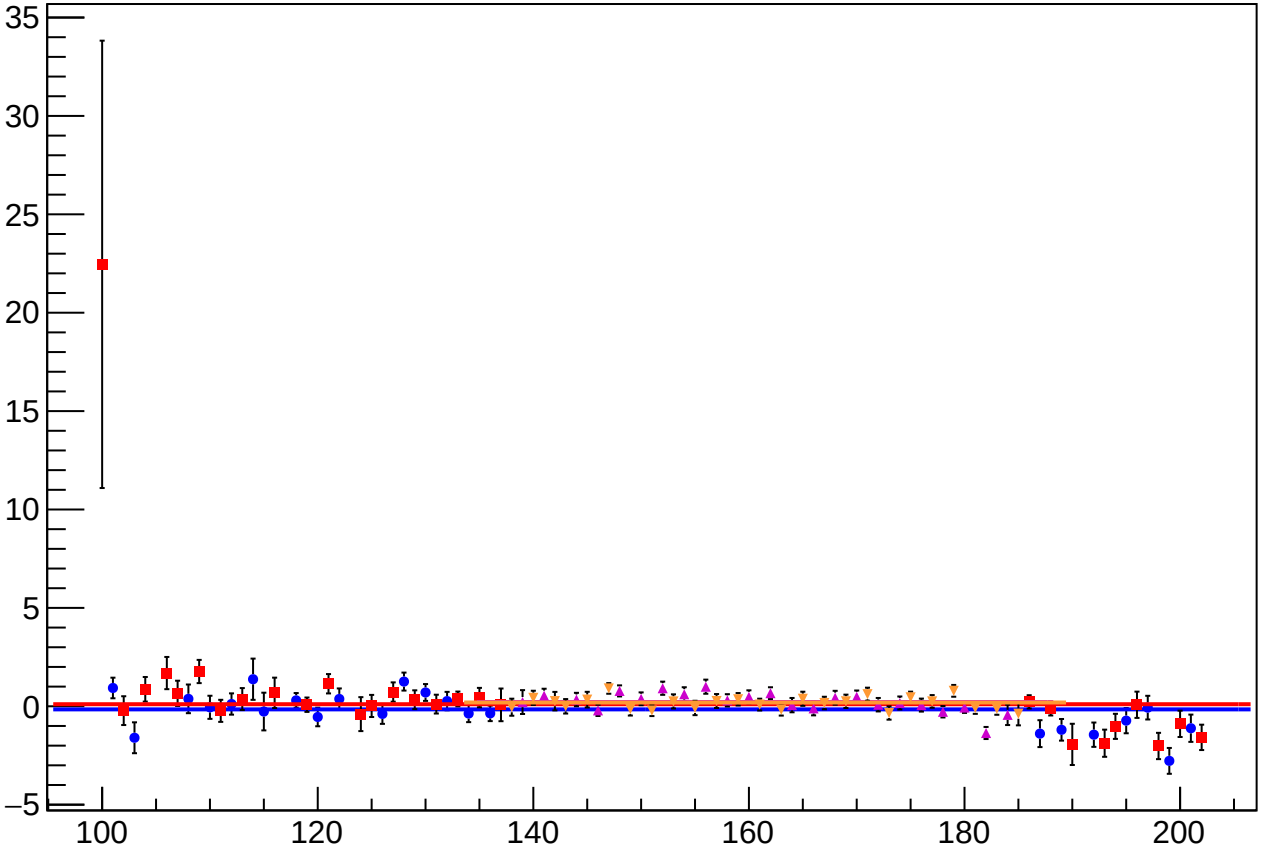
Right: -0.587+/-0.055 χ^2/NDF: 180.5/50

In: -0.276+/-0.059 χ^2/NDF:82.8/45

Out: -0.371+/-0.052 χ^2/NDF:197.4/52

All: -0.329+/-0.039 χ^2/NDF: 281.6/98

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.157+/-0.113 χ^2/NDF: 58.7/22

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.105+/-0.104 χ^2/NDF: 61.6/27

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

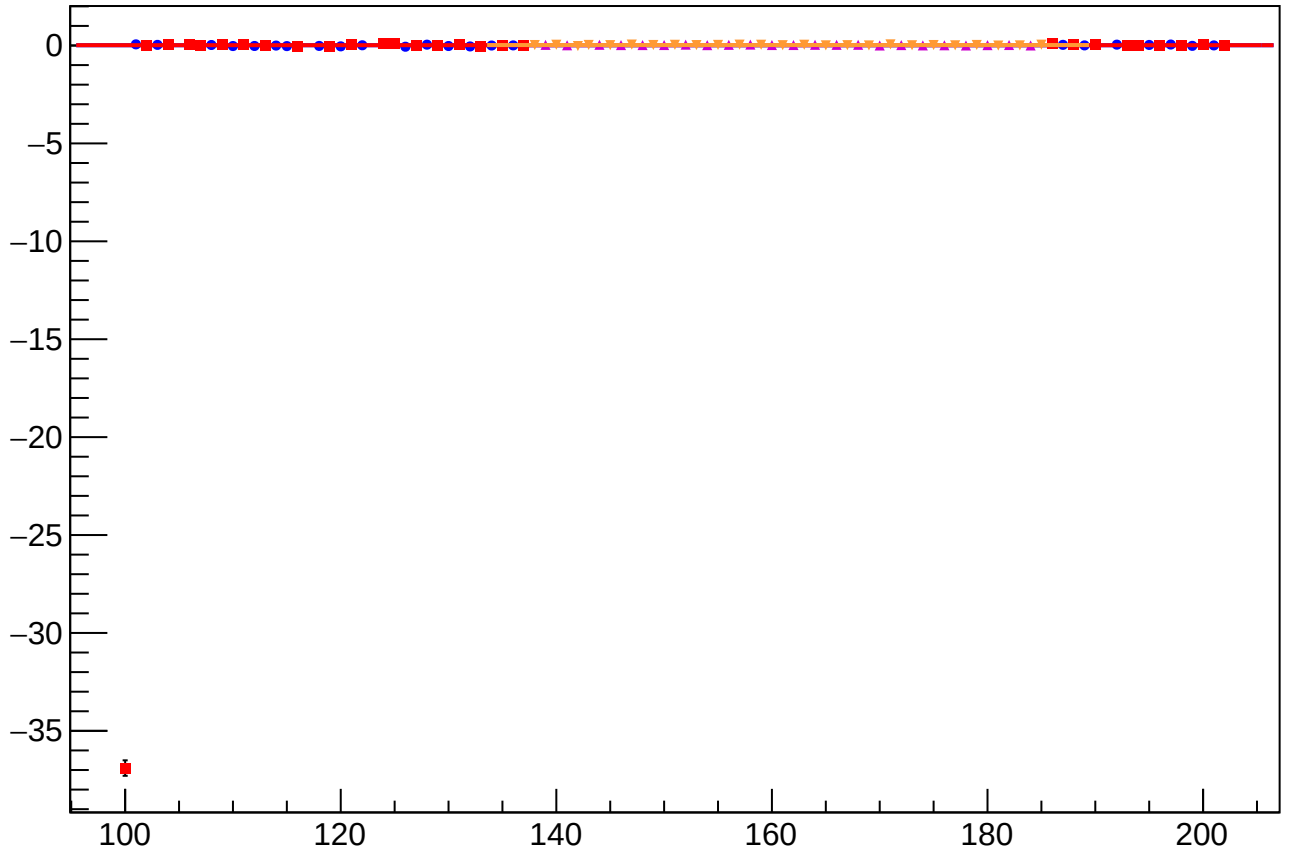
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.015+/-0.076 χ^2/NDF: 123.3/50

In: 0.113+/-0.059 χ^2/NDF:121.7/45

Out: 0.167+/-0.056 χ^2/NDF:88.0/52

All: 0.142+/-0.041 χ^2/NDF: 210.2/98



Right In: 0.012+/-0.005 χ^2/NDF: 27.8/22

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.016+/-0.005 χ^2/NDF: 8777.8/27

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

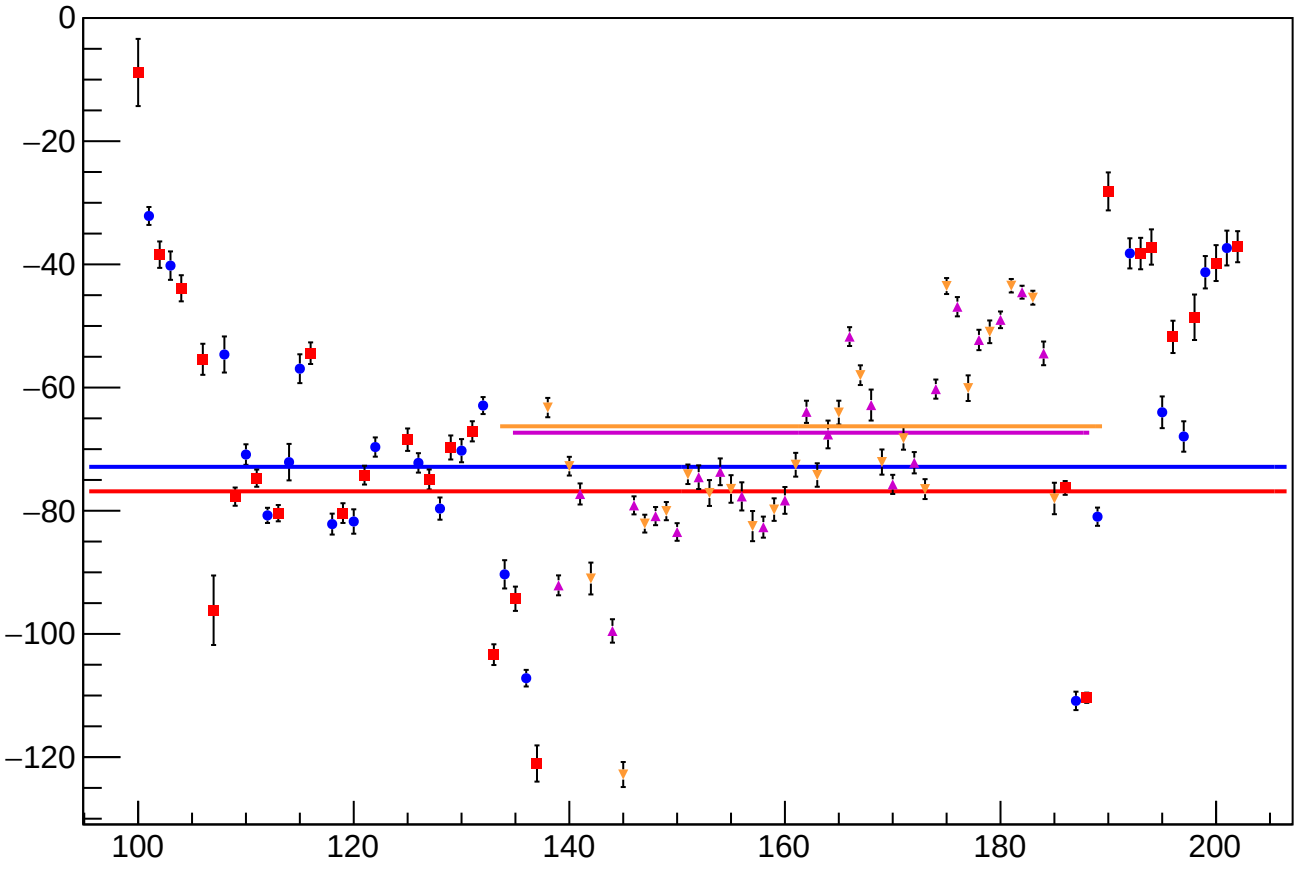
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.015+/-0.004 χ^2/NDF: 8805.8/50

In: 0.021+/-0.003 χ^2/NDF:49.4/45

Out: 0.022+/-0.003 χ^2/NDF:8809.7/52

All: 0.022+/-0.002 χ^2/NDF: 8859.1/98



Right In: -72.871+/-0.378 χ^2/NDF: 3133.4/22

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.848+/-0.343 χ^2/NDF: 4476.3/26

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

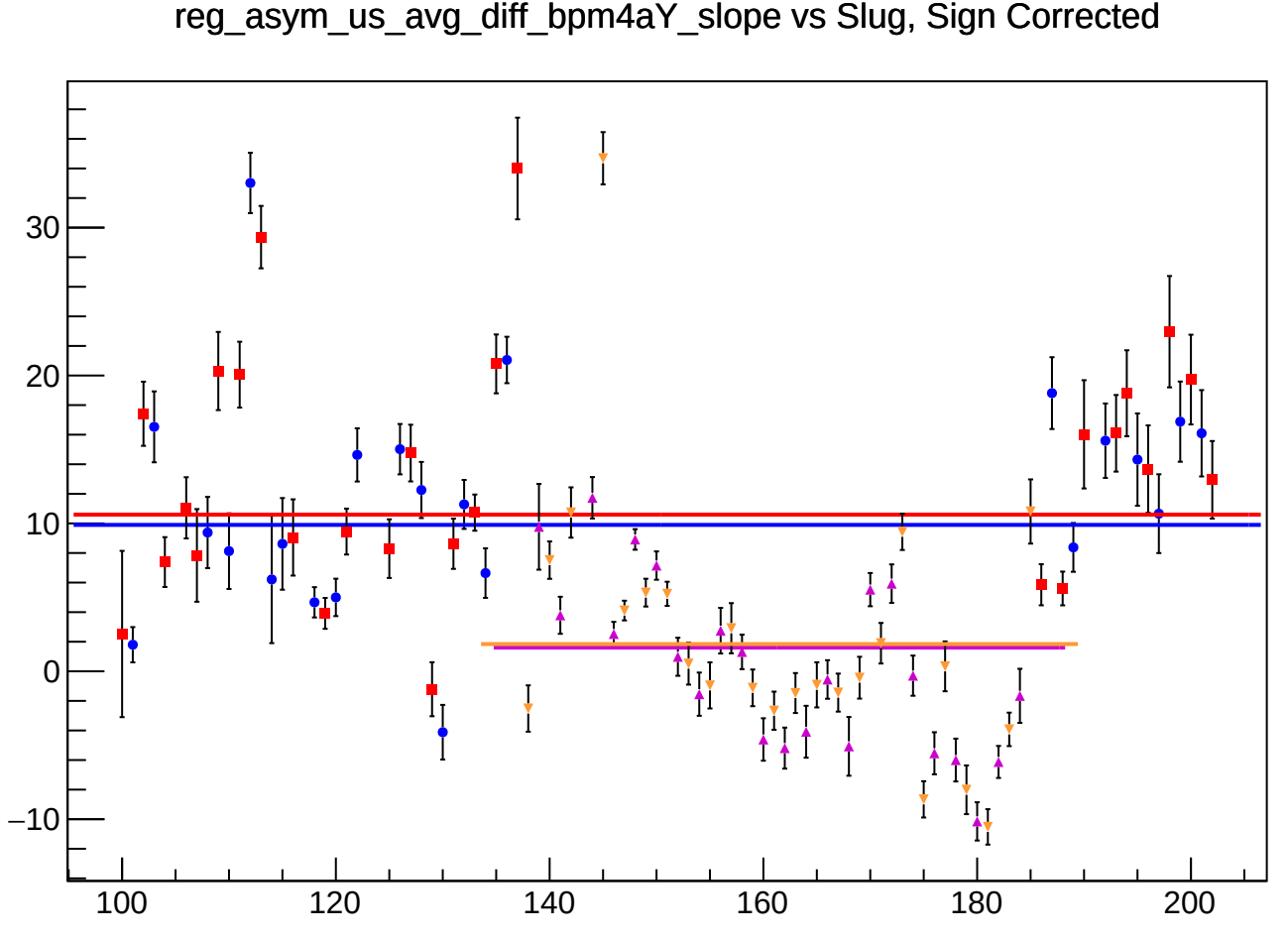
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -75.053+/-0.254 χ^2/NDF: 7670.6/49

In: -69.853+/-0.255 χ^2/NDF:5353.4/45

Out: -71.588+/-0.243 χ^2/NDF:7500.1/50

All: -70.763+/-0.176 χ^2/NDF: 12877.8/96



Right In: 9.900+/-0.386 χ^2/NDF: 387.8/22

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.593+/-0.372 χ^2/NDF: 357.9/26

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

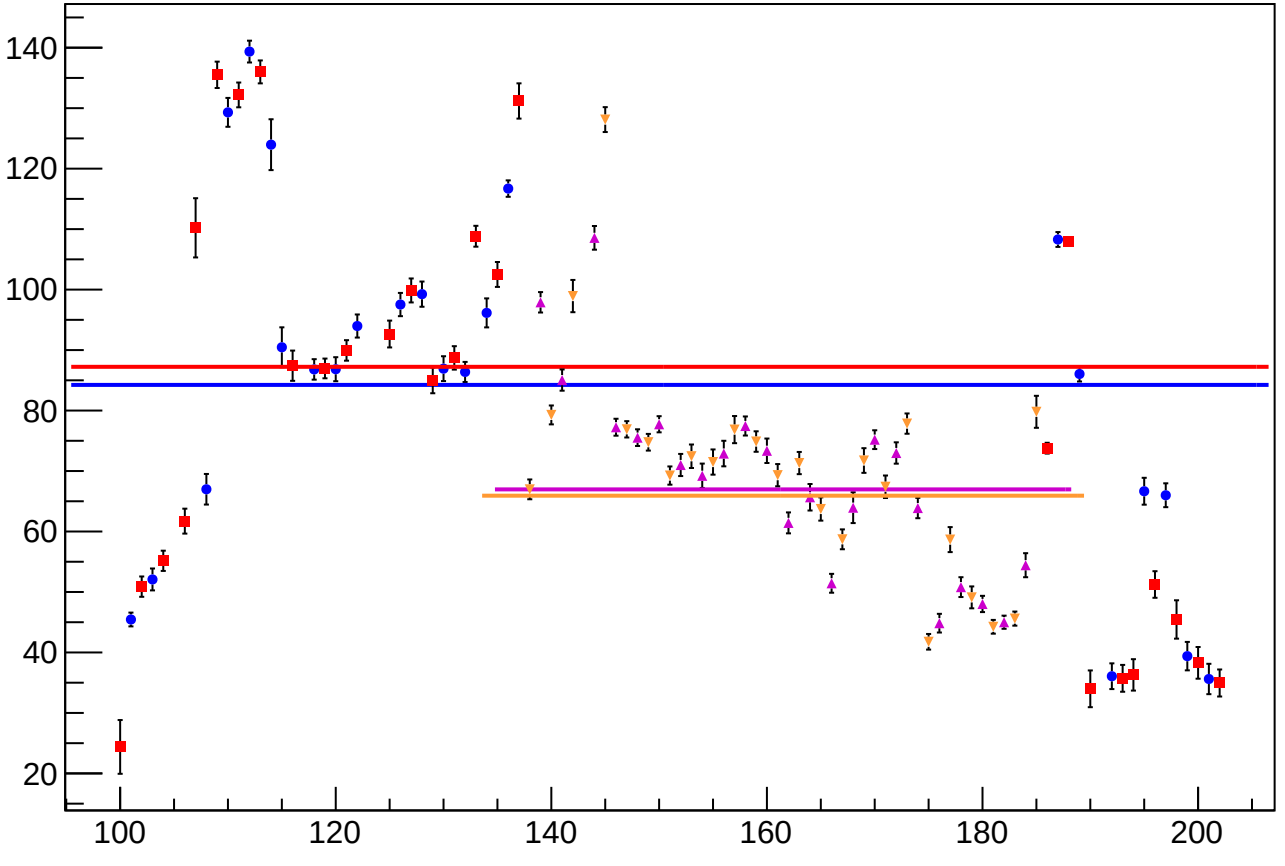
Right: 10.259+/-0.268 χ^2/NDF: 747.3/49

In: 4.176+/-0.215 χ^2/NDF:1203.7/45

Out: 4.633+/-0.210 χ^2/NDF:1516.6/50

All: 4.409+/-0.150 χ^2/NDF: 2722.6/96

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 84.241+/-0.381 χ^2/NDF: 5415.1/22

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 87.232+/-0.335 χ^2/NDF: 7096.4/26

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

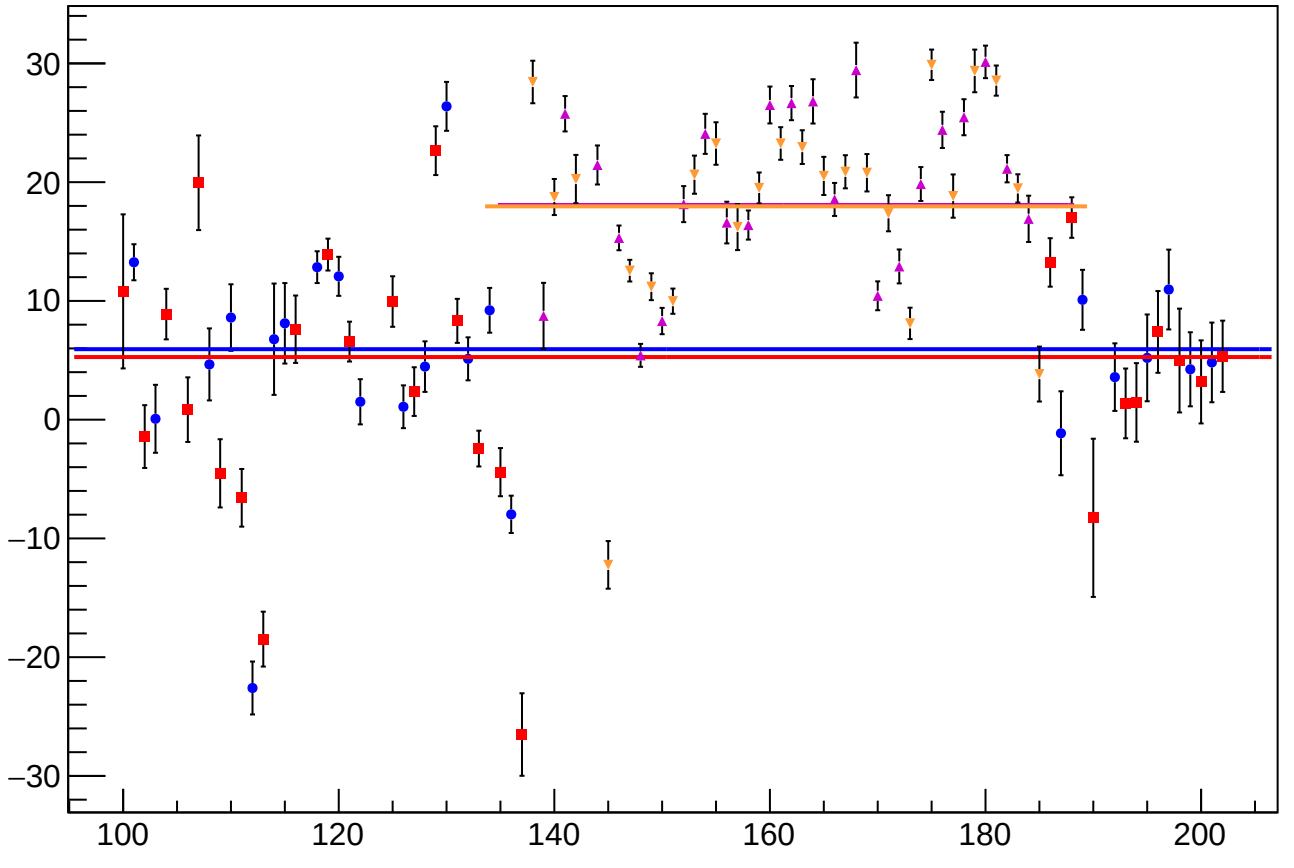
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 85.928+/-0.252 χ^2/NDF: 12546.2/49

In: 74.650+/-0.254 χ^2/NDF:8777.0/45

Out: 76.747+/-0.239 χ^2/NDF:11641.2/50

All: 75.764+/-0.174 χ^2/NDF: 20454.4/96



Right In: 5.936+/-0.456 χ^2/NDF: 436.9/22

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.274+/-0.448 χ^2/NDF: 494.4/26

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

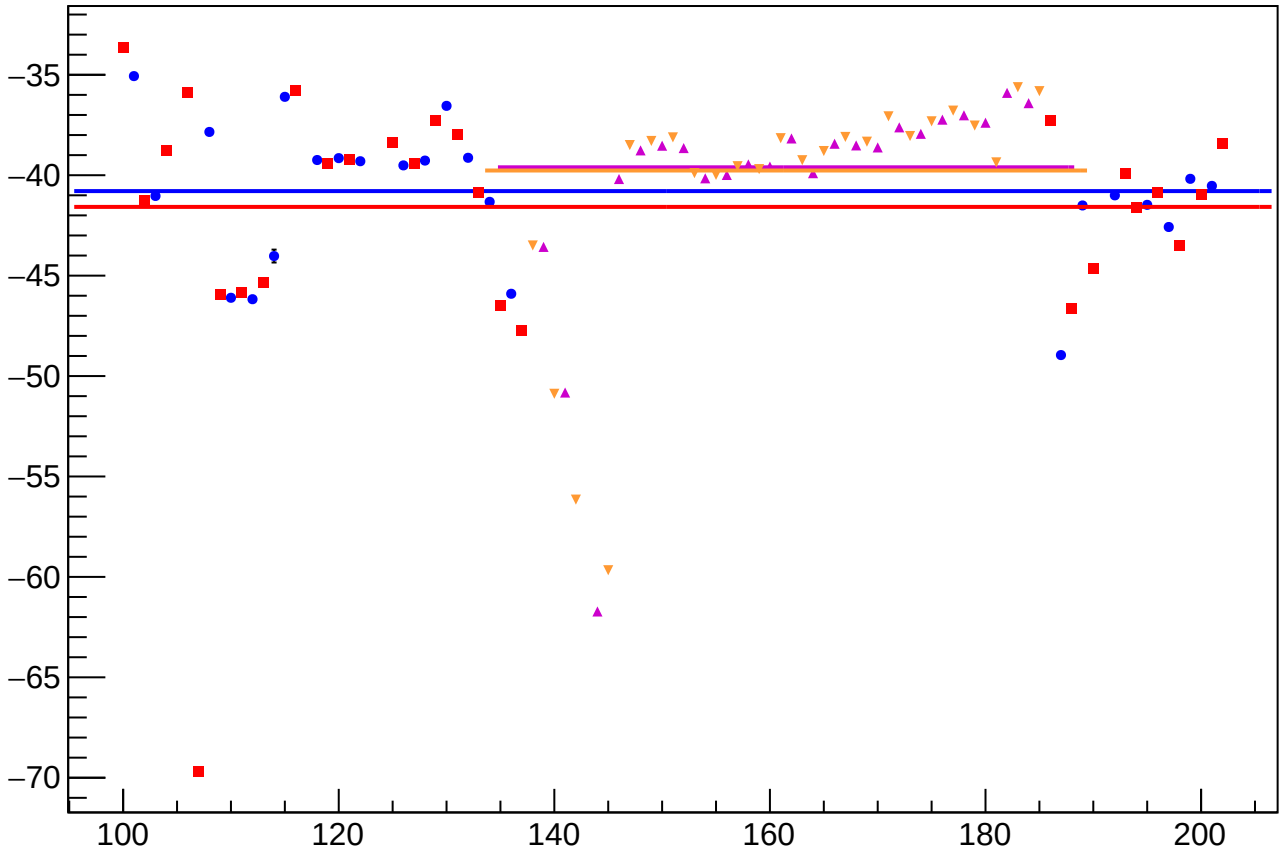
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.598+/-0.320 χ^2/NDF: 932.3/49

In: 14.503+/-0.248 χ^2/NDF:1541.5/45

Out: 14.175+/-0.245 χ^2/NDF:1790.5/50

All: 14.337+/-0.174 χ^2/NDF: 3332.8/96



Right In: -40.791+/-0.023 χ^2/NDF: 20326.7/22

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.578+/-0.023 χ^2/NDF: 43151.2/26

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

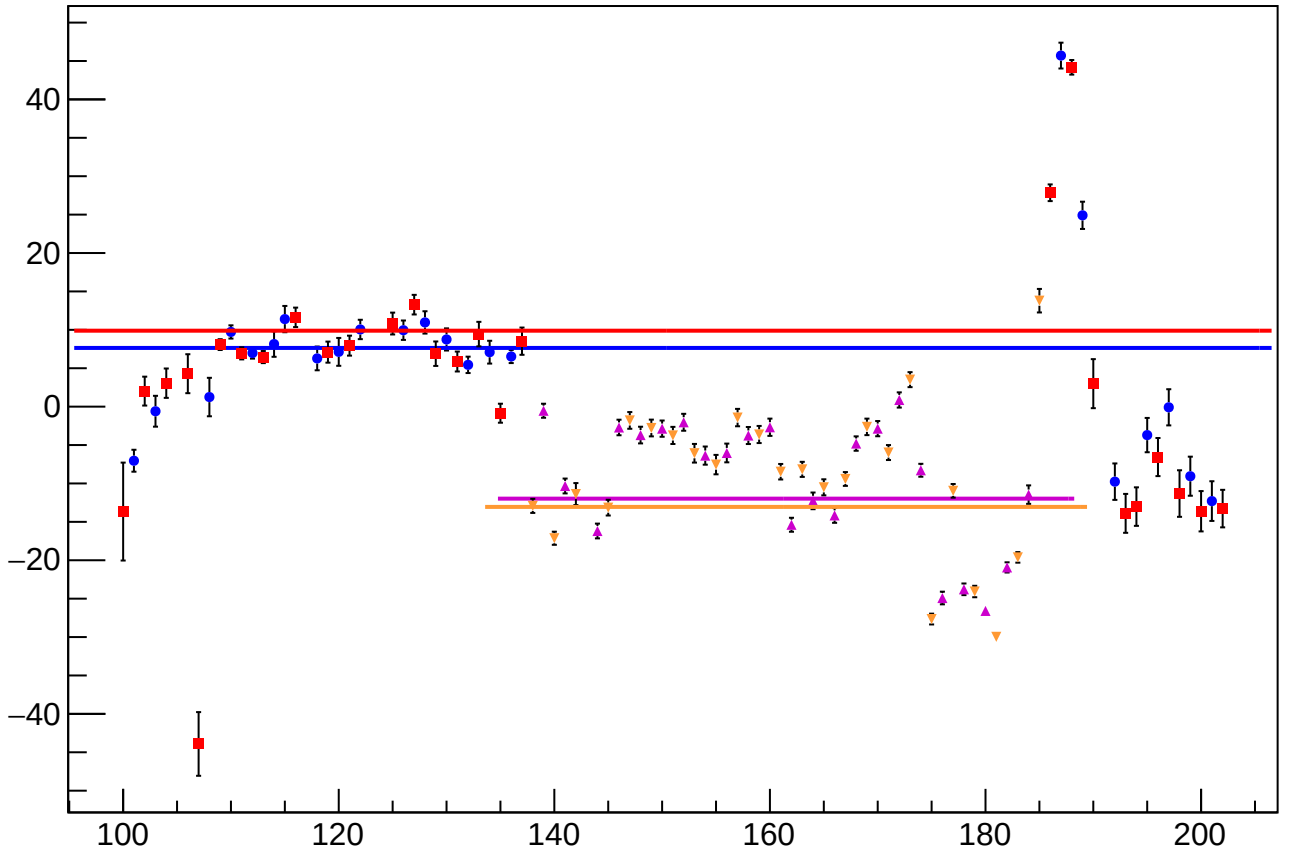
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.195+/-0.016 χ^2/NDF: 64071.7/49

In: -39.902+/-0.012 χ^2/NDF:128926.3/45

Out: -40.243+/-0.012 χ^2/NDF:177821.6/50

All: -40.073+/-0.008 χ^2/NDF: 307182.1/96



Right In: 7.643+/-0.289 χ^2/NDF: 960.6/22

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.888+/-0.265 χ^2/NDF: 2375.3/26

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

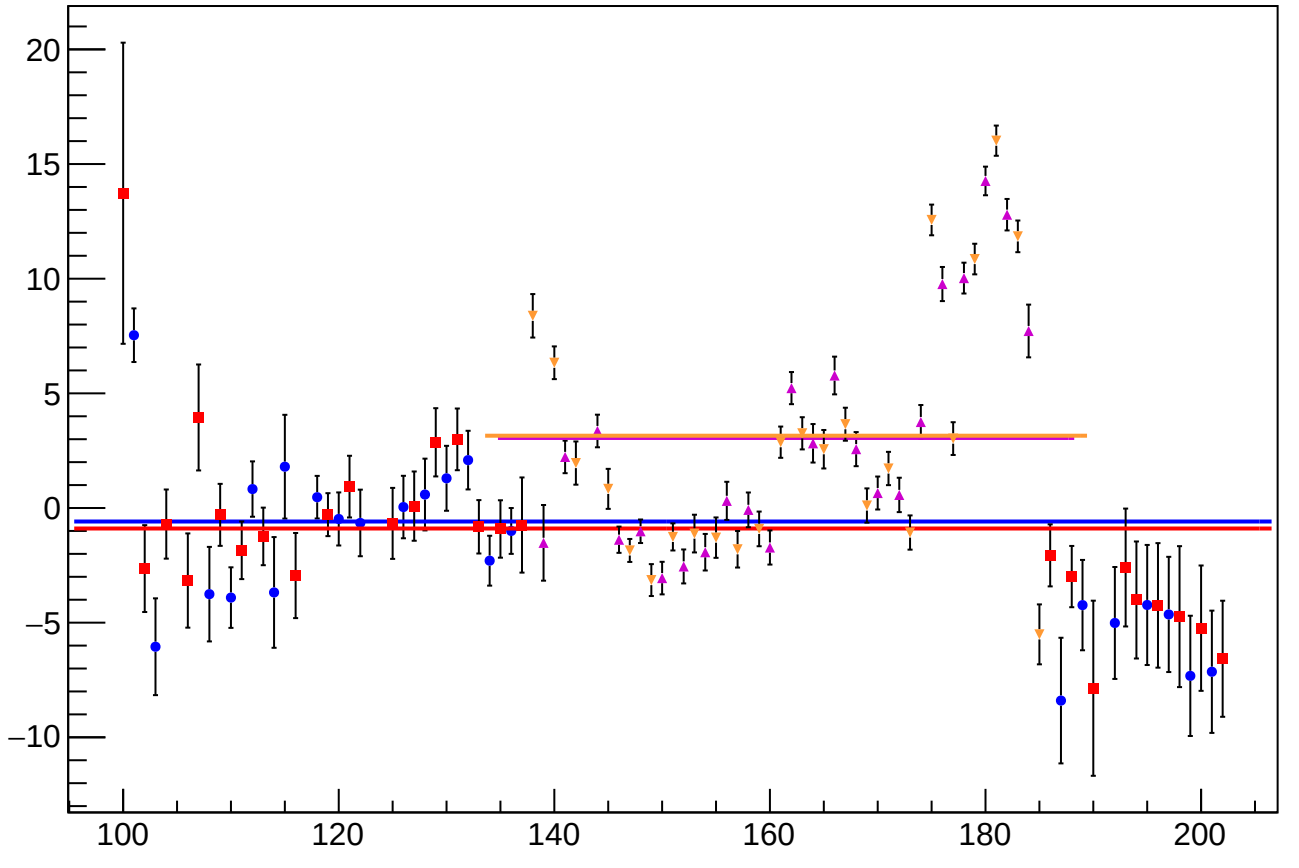
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

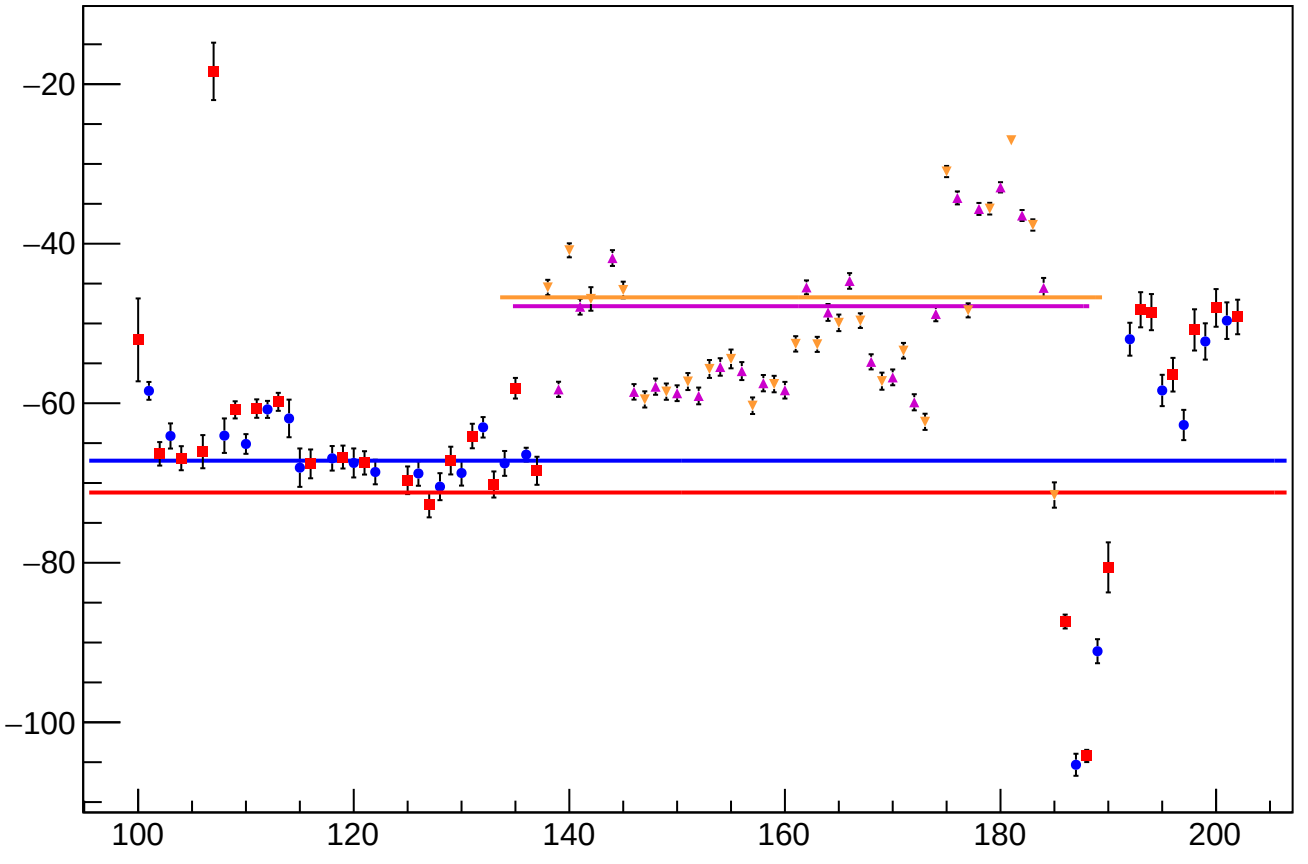
Right: 8.860+/-0.195 χ^2/NDF: 3368.7/49

In: -5.812+/-0.162 χ^2/NDF:6303.1/45

Out: -5.130+/-0.156 χ^2/NDF:10135.5/50

All: -5.459+/-0.112 χ^2/NDF: 16447.8/96


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.589+/-0.312 χ²/NDF: 110.7/22
Left Out: 3.153+/-0.149 χ²/NDF:1385.1/23
Right Out: -0.894+/-0.309 χ²/NDF: 50.1/26
Left In: 3.055+/-0.152 χ²/NDF:1145.0/22
Left: 3.105+/-0.106 χ²/NDF: 2530.3/46
Right: -0.743+/-0.220 χ²/NDF: 161.2/49
In: 2.357+/-0.137 χ²/NDF:1365.7/45
Out: 2.390+/-0.134 χ²/NDF:1574.0/50
All: 2.374+/-0.096 χ²/NDF: 2939.7/96



Right In: -67.201+/-0.315 χ^2/NDF: 1324.4/22

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -71.193+/-0.289 χ^2/NDF: 3415.2/26

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

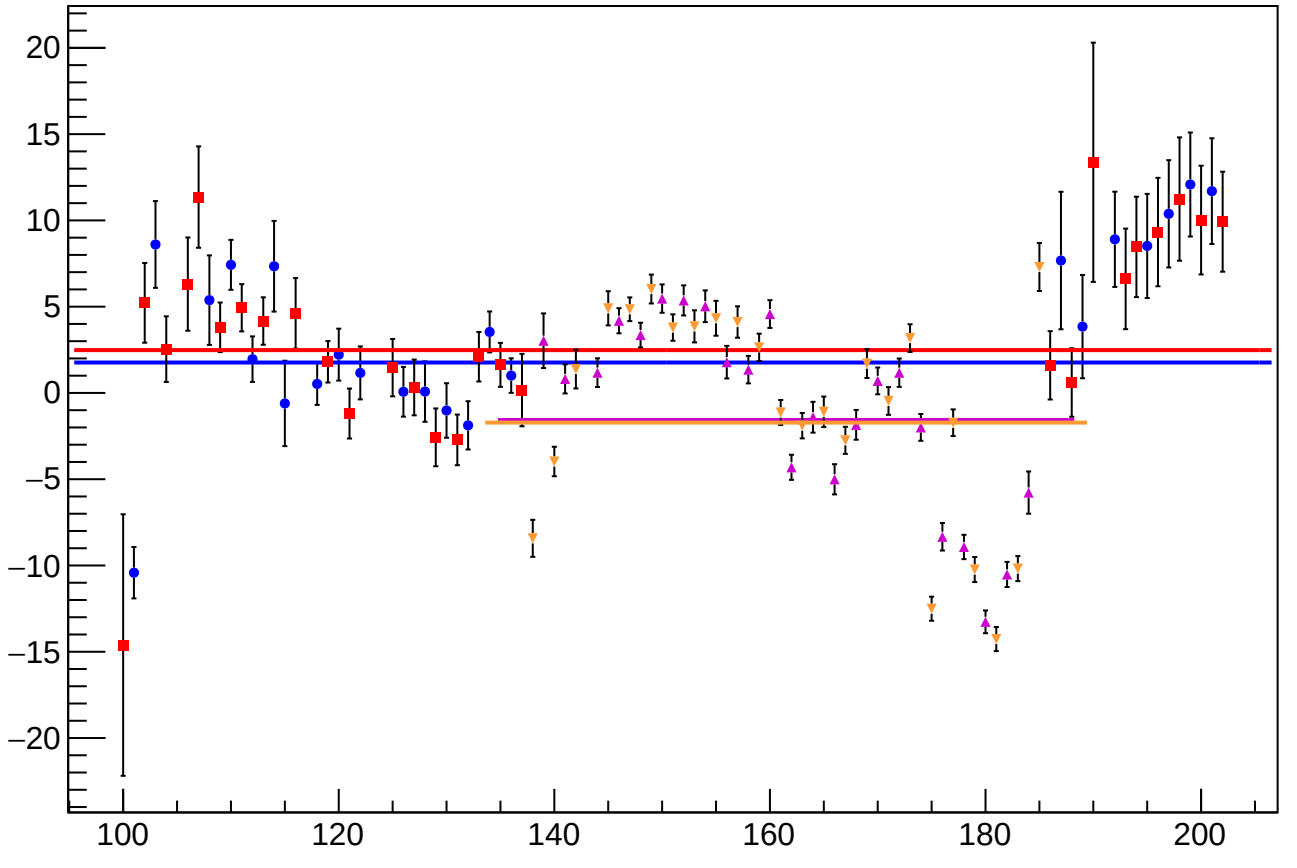
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -69.368+/-0.213 χ^2/NDF: 4827.0/49

In: -53.163+/-0.165 χ^2/NDF:6627.8/45

Out: -54.199+/-0.160 χ^2/NDF:11846.1/50

All: -53.698+/-0.115 χ^2/NDF: 18494.3/96



Right In: 1.763+/-0.358 χ^2/NDF: 157.6/22

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.482+/-0.359 χ^2/NDF: 89.5/26

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

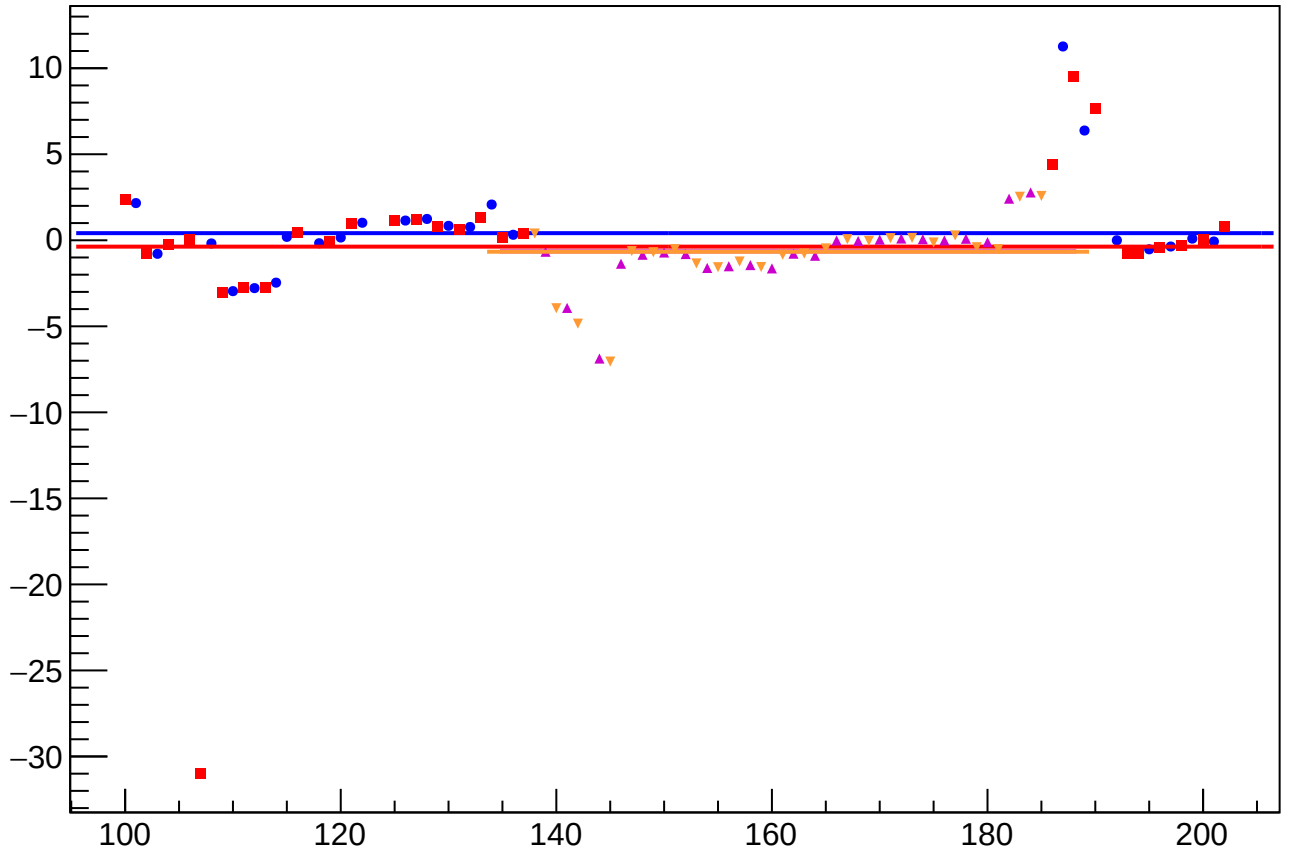
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 2.121+/-0.253 χ^2/NDF: 249.1/49

In: -0.949+/-0.154 χ^2/NDF:1346.0/45

Out: -0.966+/-0.152 χ^2/NDF:1607.8/50

All: -0.957+/-0.108 χ^2/NDF: 2953.8/96



Right In: 0.414+/-0.018 χ^2/NDF: 9664.3/22

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.370+/-0.018 χ^2/NDF: 60168.4/26

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

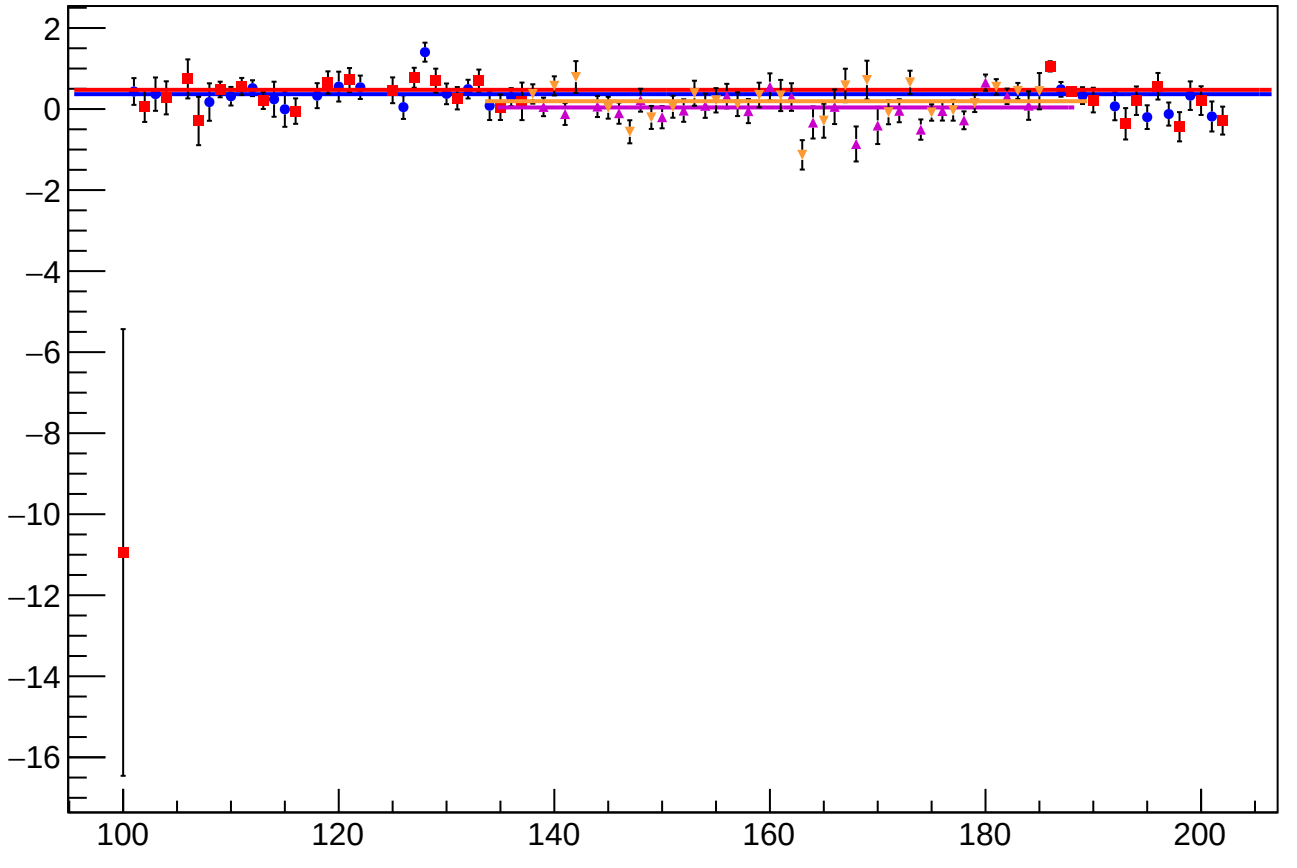
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.023+/-0.013 χ^2/NDF: 70735.9/49

In: -0.494+/-0.007 χ^2/NDF:58070.0/45

Out: -0.624+/-0.007 χ^2/NDF:115663.8/50

All: -0.559+/-0.005 χ^2/NDF: 173907.9/96



Right In: 0.367+/-0.058 χ^2/NDF: 34.2/22

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.474+/-0.049 χ^2/NDF: 57.8/26

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

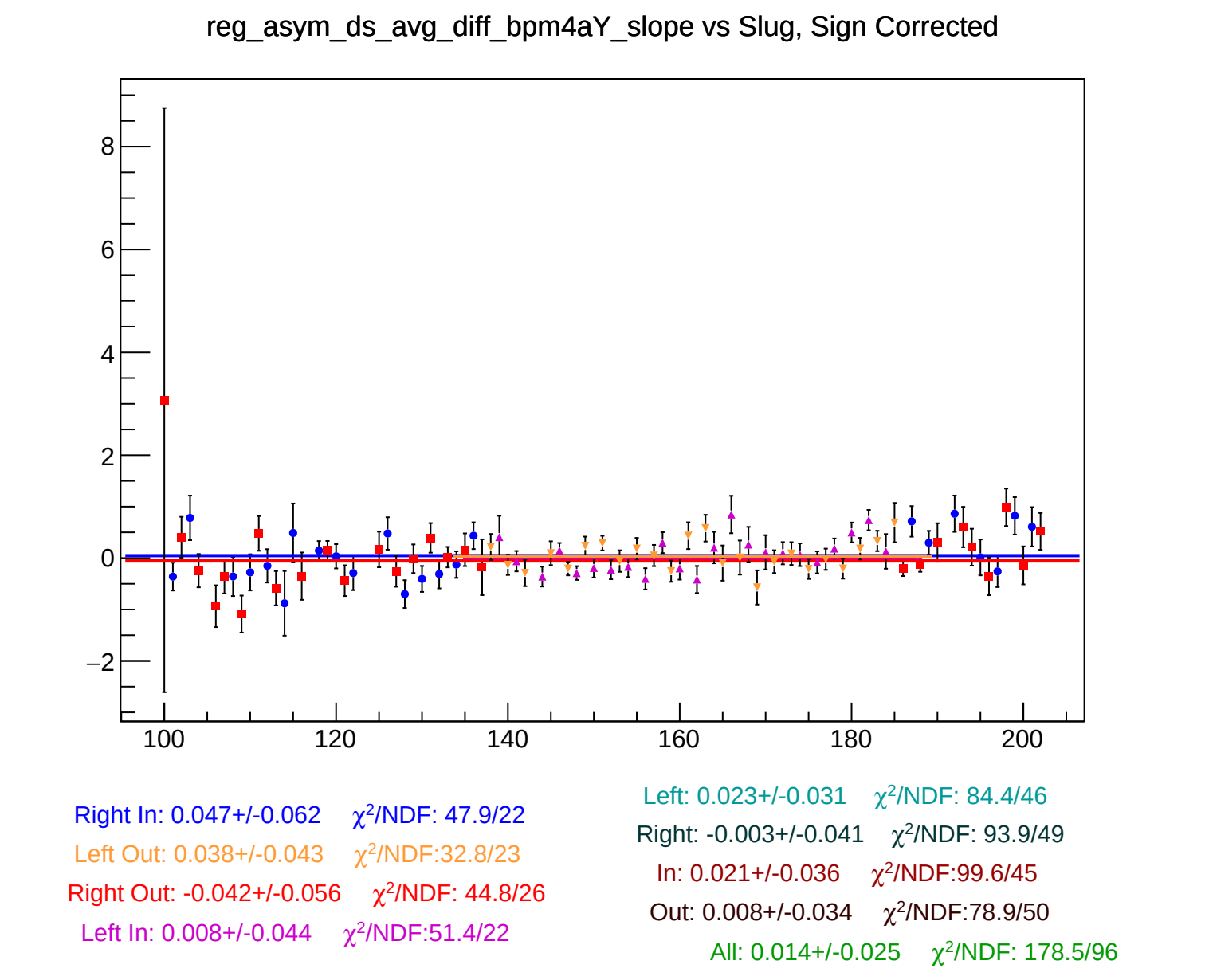
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.430+/-0.037 χ^2/NDF: 94.0/49

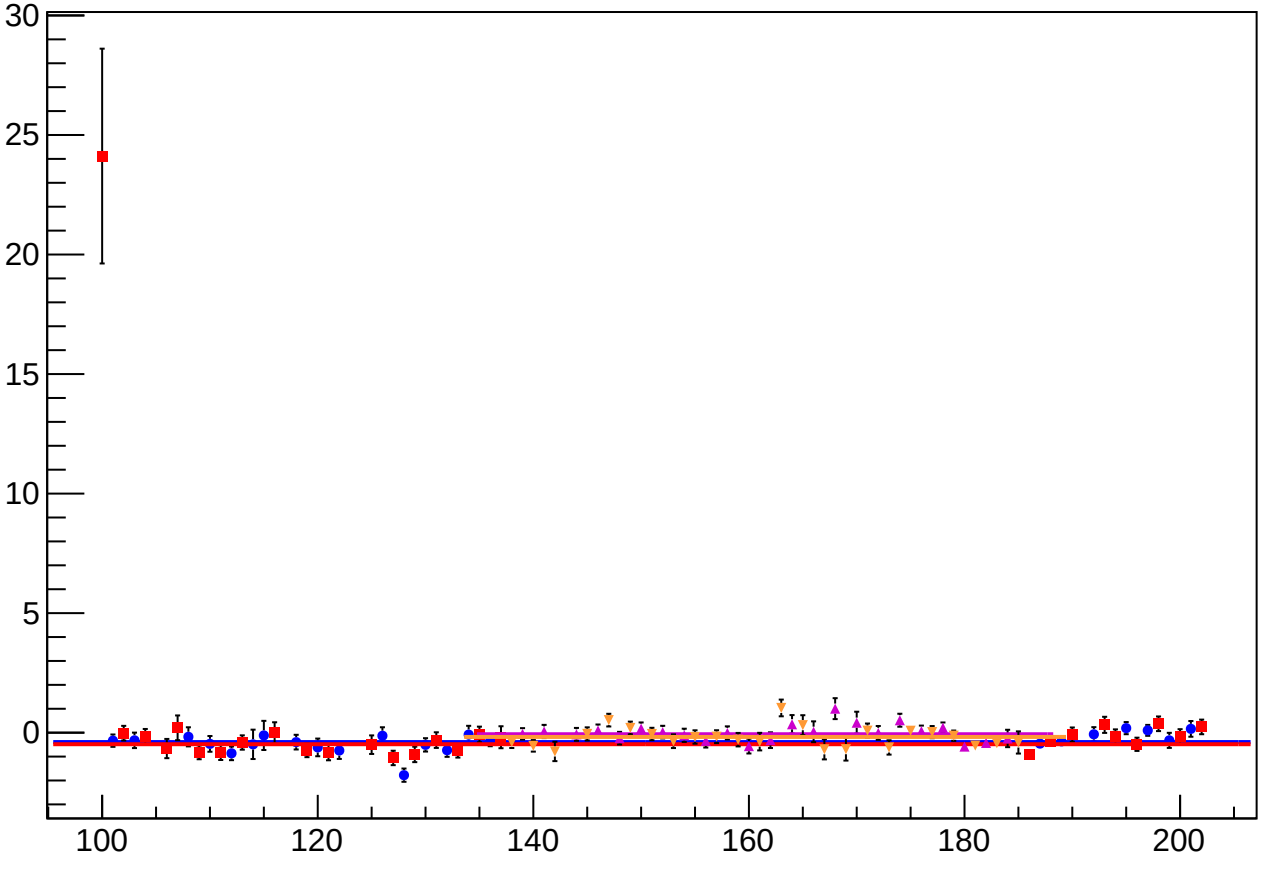
In: 0.203+/-0.041 χ^2/NDF:80.9/45

Out: 0.355+/-0.037 χ^2/NDF:116.0/50

All: 0.286+/-0.027 χ^2/NDF: 204.5/96


reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.047+/-0.062 χ²/NDF: 47.9/22
Left Out: 0.038+/-0.043 χ²/NDF:32.8/23
Right Out: -0.042+/-0.056 χ²/NDF: 44.8/26
Left In: 0.008+/-0.044 χ²/NDF:51.4/22
Left: 0.023+/-0.031 χ²/NDF: 84.4/46
Right: -0.003+/-0.041 χ²/NDF: 93.9/49
In: 0.021+/-0.036 χ²/NDF:99.6/45
Out: 0.008+/-0.034 χ²/NDF:78.9/50
All: 0.014+/-0.025 χ²/NDF: 178.5/96

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.393+/-0.058 χ^2/NDF: 46.8/22

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.483+/-0.046 χ^2/NDF: 90.2/26

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

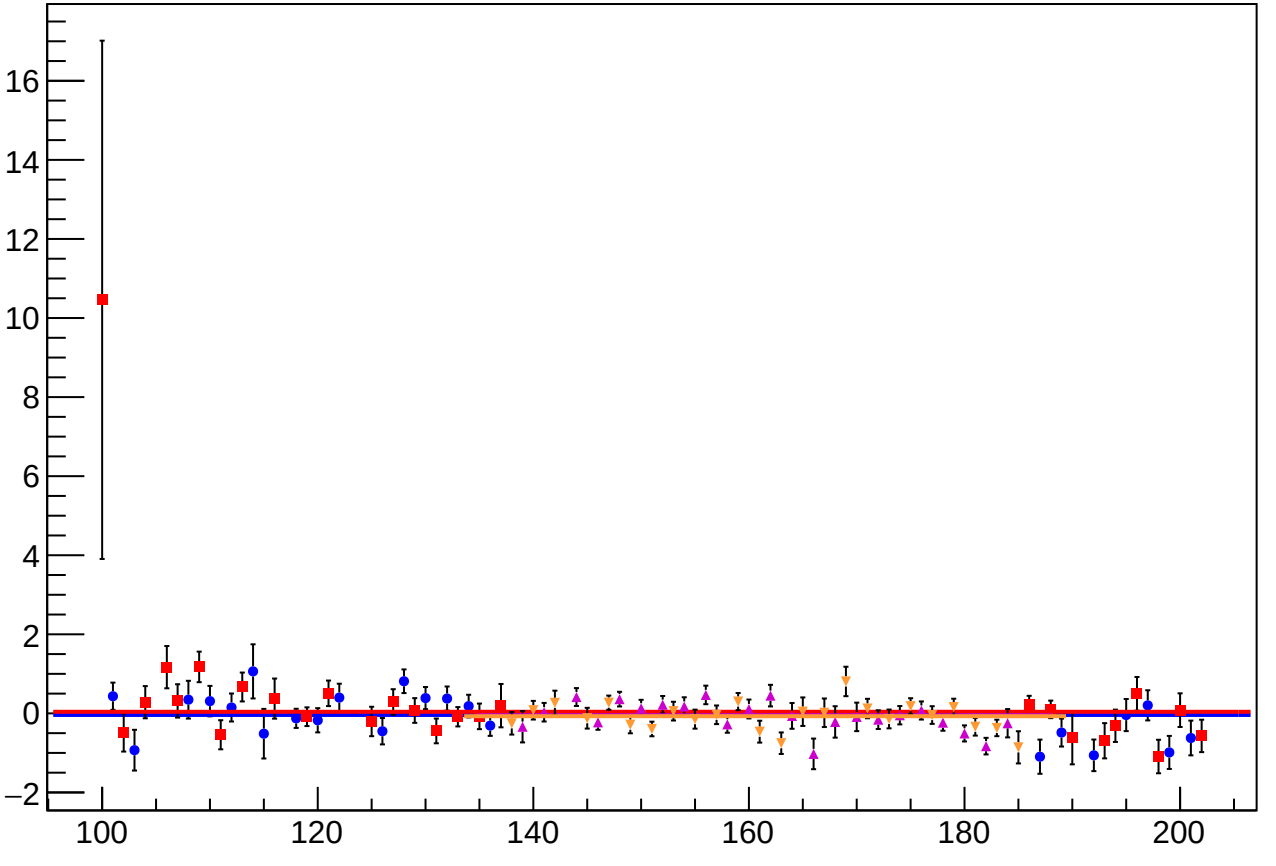
Right: -0.448+/-0.036 χ^2/NDF: 138.4/49

In: -0.227+/-0.041 χ^2/NDF:94.5/45

Out: -0.360+/-0.036 χ^2/NDF:149.9/50

All: -0.302+/-0.027 χ^2/NDF: 250.4/96

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.040+/-0.073 χ^2/NDF: 48.6/22

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.040+/-0.068 χ^2/NDF: 45.3/26

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

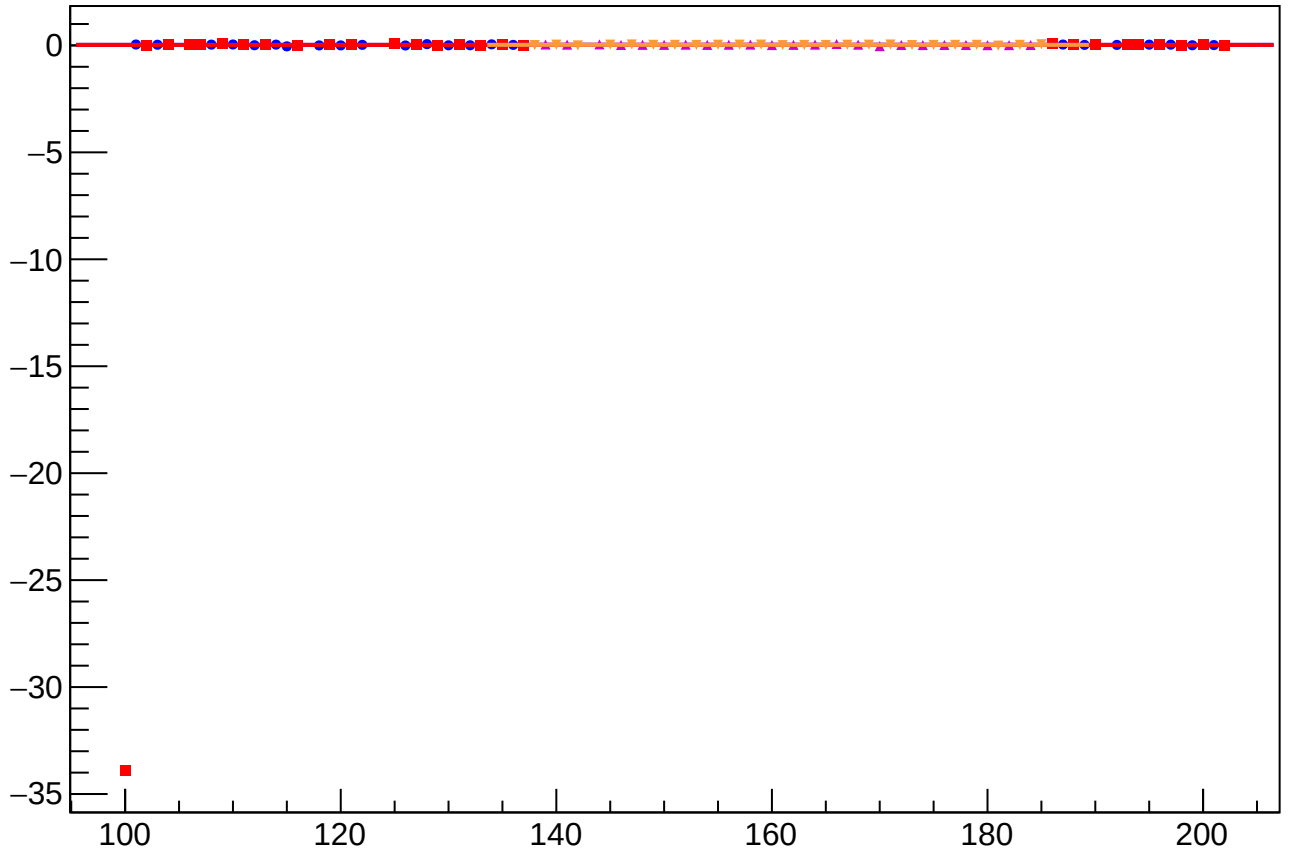
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.003+/-0.050 χ^2/NDF: 94.5/49

In: -0.045+/-0.041 χ^2/NDF:99.0/45

Out: -0.033+/-0.040 χ^2/NDF:84.8/50

All: -0.039+/-0.029 χ^2/NDF: 183.8/96



Right In: 0.026+/-0.004 χ^2/NDF: 19.2/22

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.023+/-0.003 χ^2/NDF: 22308.2/26

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

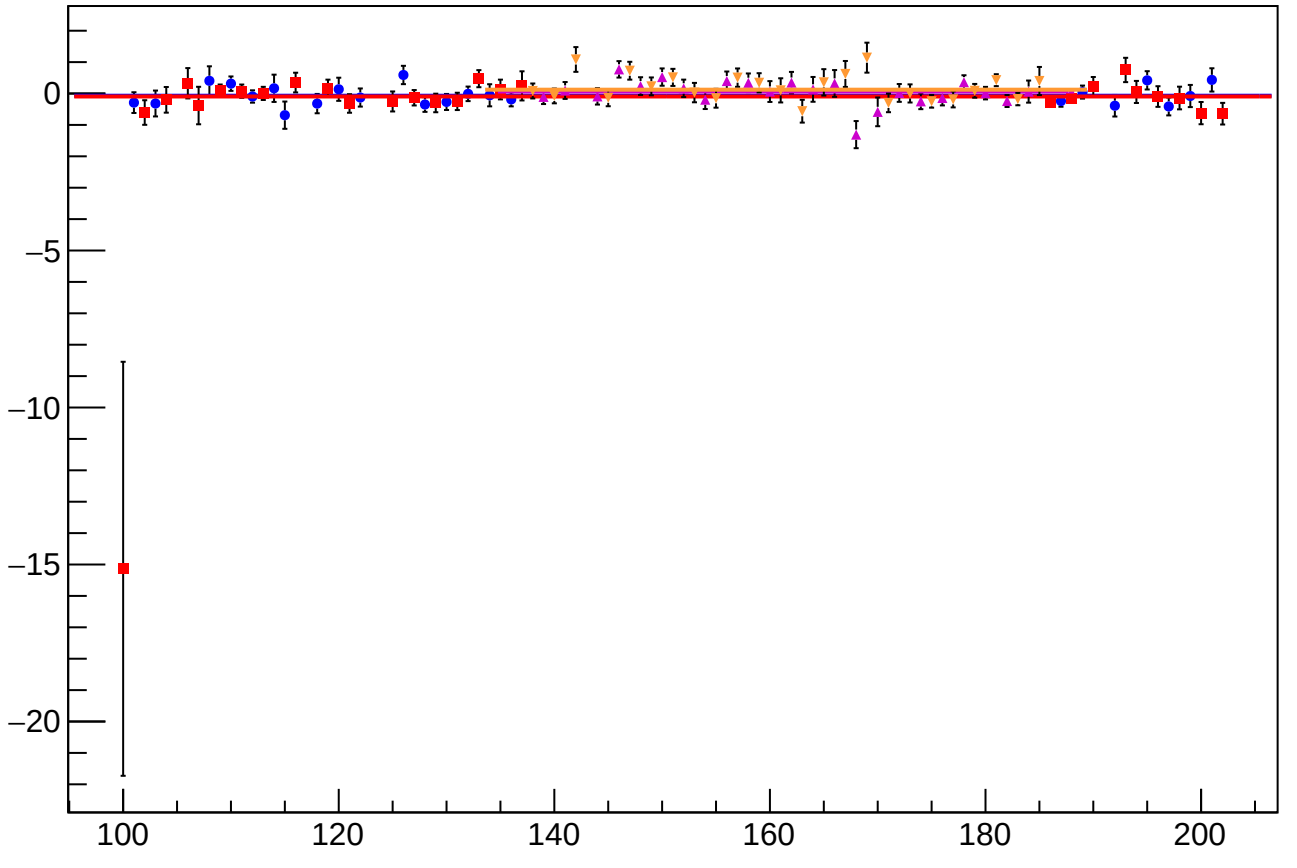
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.024+/-0.002 χ^2/NDF: 22327.8/49

In: 0.026+/-0.002 χ^2/NDF:58.7/45

Out: 0.025+/-0.002 χ^2/NDF:22340.3/50

All: 0.026+/-0.001 χ^2/NDF: 22399.2/96



Right In: -0.070+/-0.058 χ^2/NDF: 23.7/22

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.094+/-0.049 χ^2/NDF: 33.5/26

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

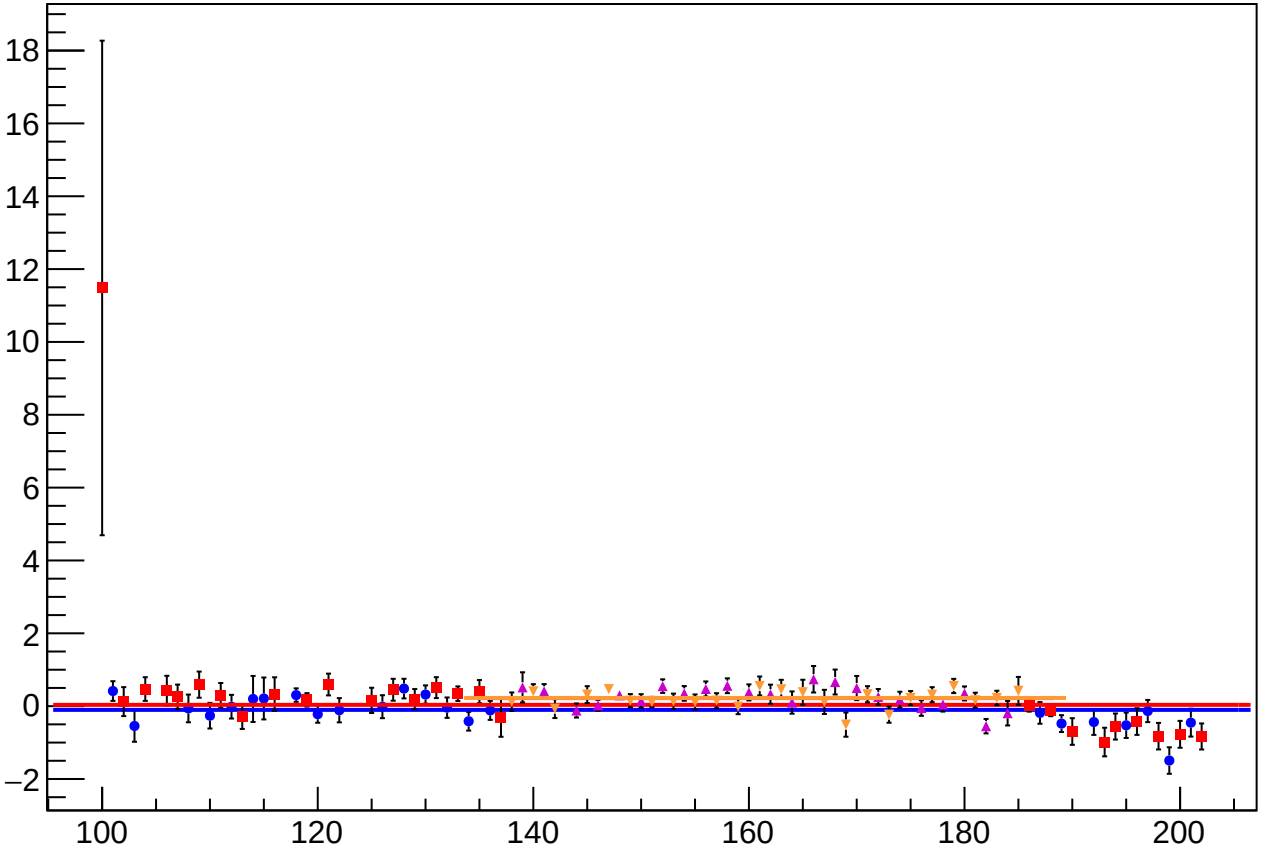
Right: -0.084+/-0.037 χ^2/NDF: 57.3/49

In: -0.003+/-0.041 χ^2/NDF:60.6/45

Out: -0.002+/-0.037 χ^2/NDF:81.5/50

All: -0.003+/-0.027 χ^2/NDF: 142.1/96

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.102+/-0.062 χ^2/NDF: 40.3/22

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.036+/-0.056 χ^2/NDF: 56.1/26

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

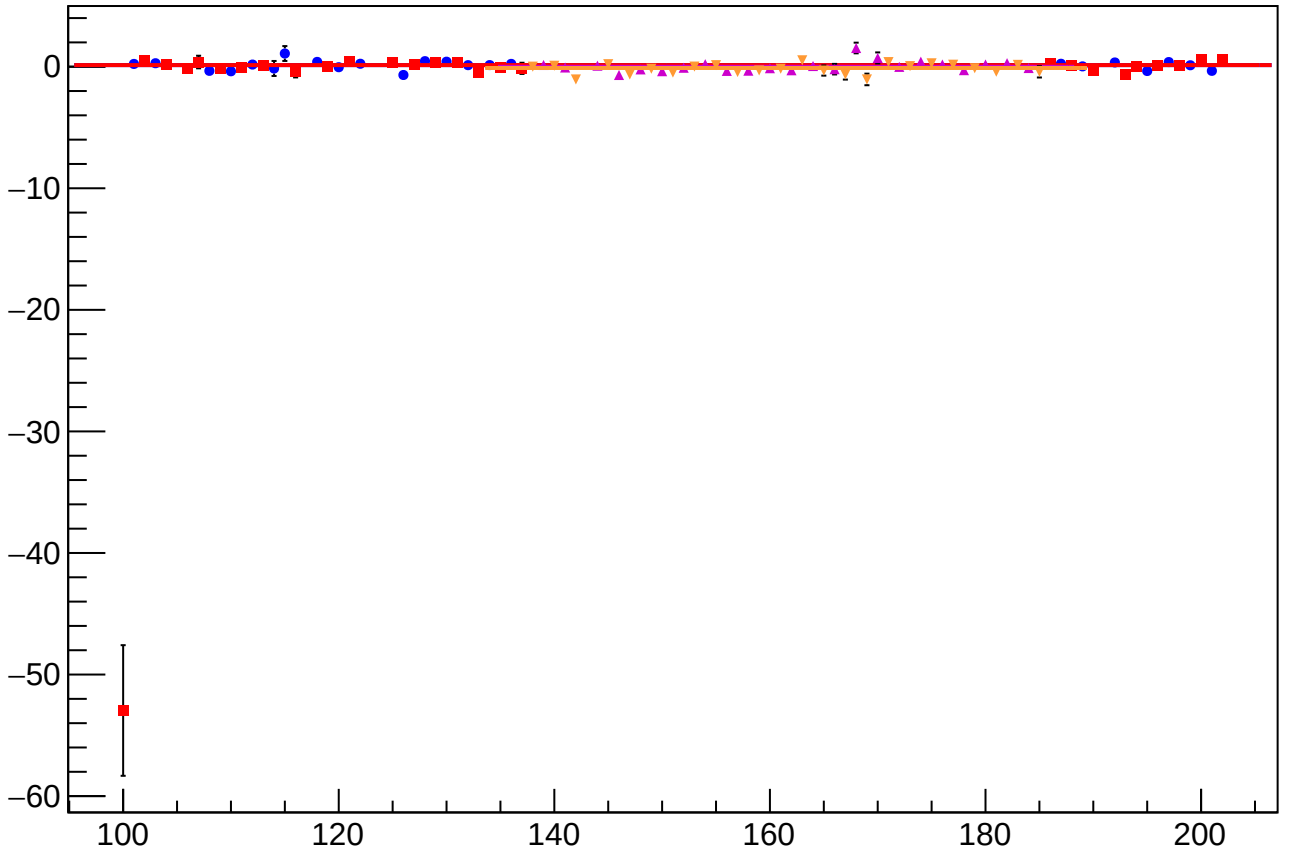
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.026+/-0.041 χ^2/NDF: 99.1/49

In: 0.112+/-0.036 χ^2/NDF:97.6/45

Out: 0.154+/-0.034 χ^2/NDF:87.4/50

All: 0.134+/-0.025 χ^2/NDF: 185.7/96



Right In: 0.132+/-0.058 χ^2/NDF: 24.0/22

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.132+/-0.046 χ^2/NDF: 122.6/26

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

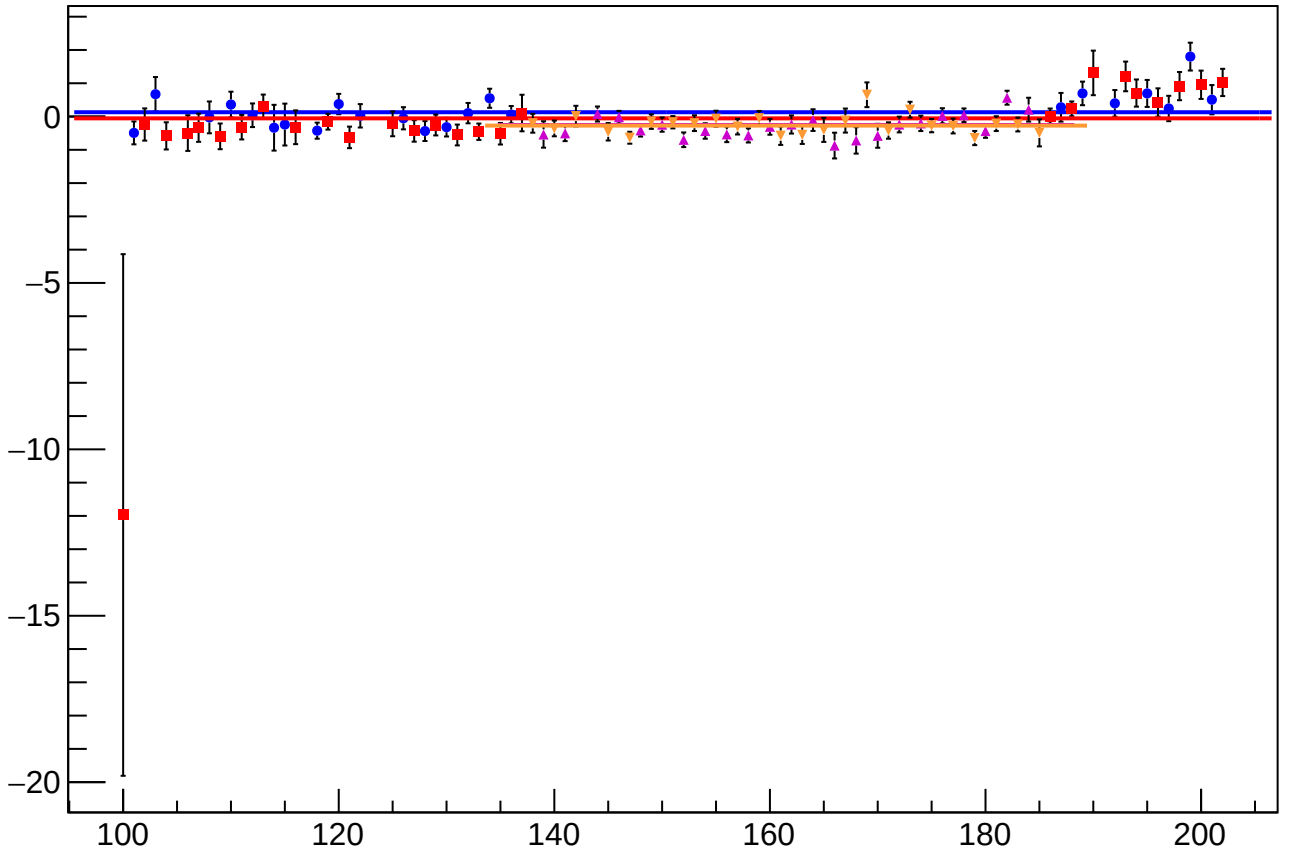
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

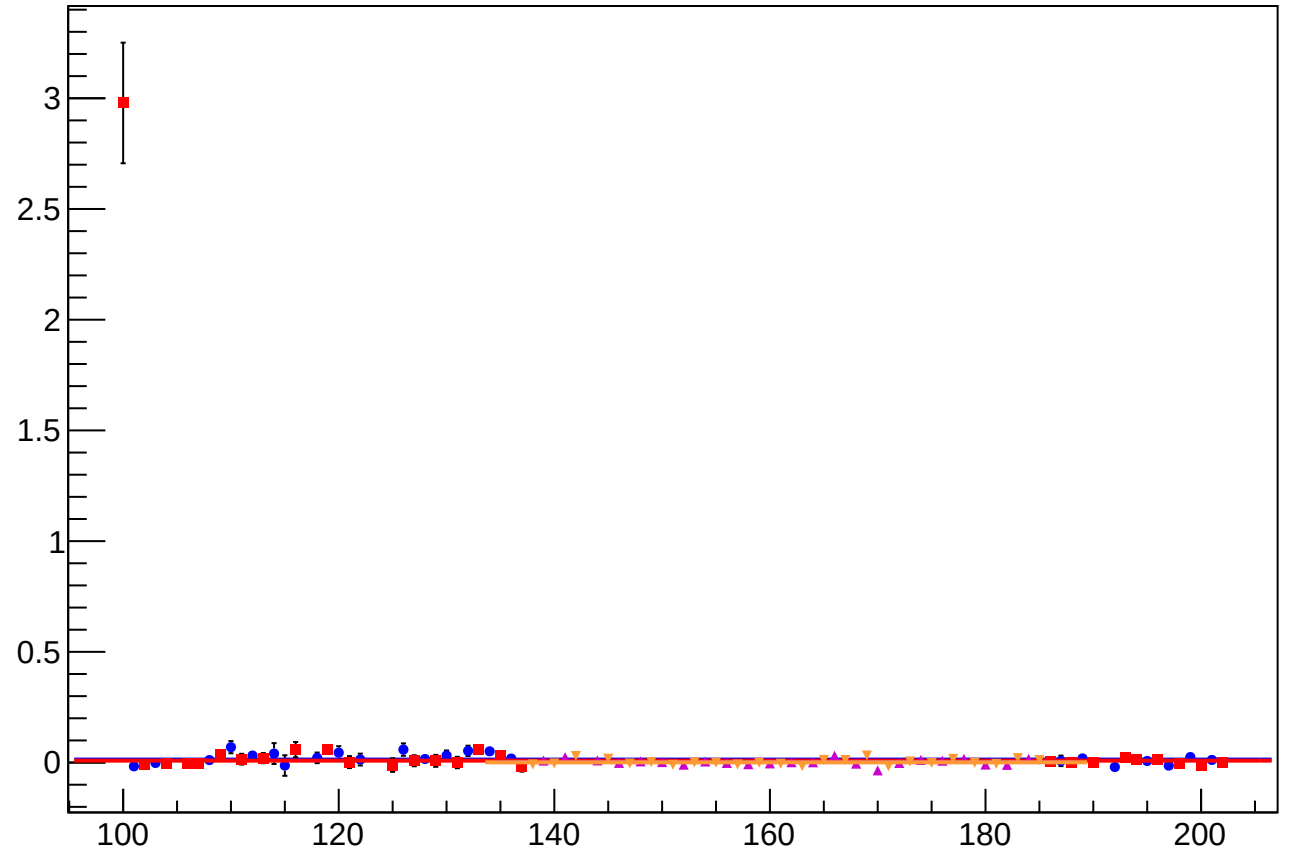
Right: 0.132+/-0.036 χ^2/NDF: 146.7/49

In: 0.061+/-0.041 χ^2/NDF:65.1/45

Out: 0.037+/-0.036 χ^2/NDF:170.8/50

All: 0.047+/-0.027 χ^2/NDF: 236.1/96


reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: 0.129+/-0.073 χ²/NDF: 42.2/22
Left Out: -0.272+/-0.049 χ²/NDF:24.8/23
Right Out: -0.055+/-0.068 χ²/NDF: 58.0/26
Left In: -0.254+/-0.050 χ²/NDF:40.6/22
Left: -0.263+/-0.035 χ²/NDF: 65.5/46
Right: 0.031+/-0.050 χ²/NDF: 103.6/49
In: -0.132+/-0.041 χ²/NDF:101.4/45
Out: -0.198+/-0.040 χ²/NDF:89.5/50
All: -0.166+/-0.029 χ²/NDF: 192.1/96



Right In: 0.013+/-0.004 χ^2/NDF: 37.9/22

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.3/26

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

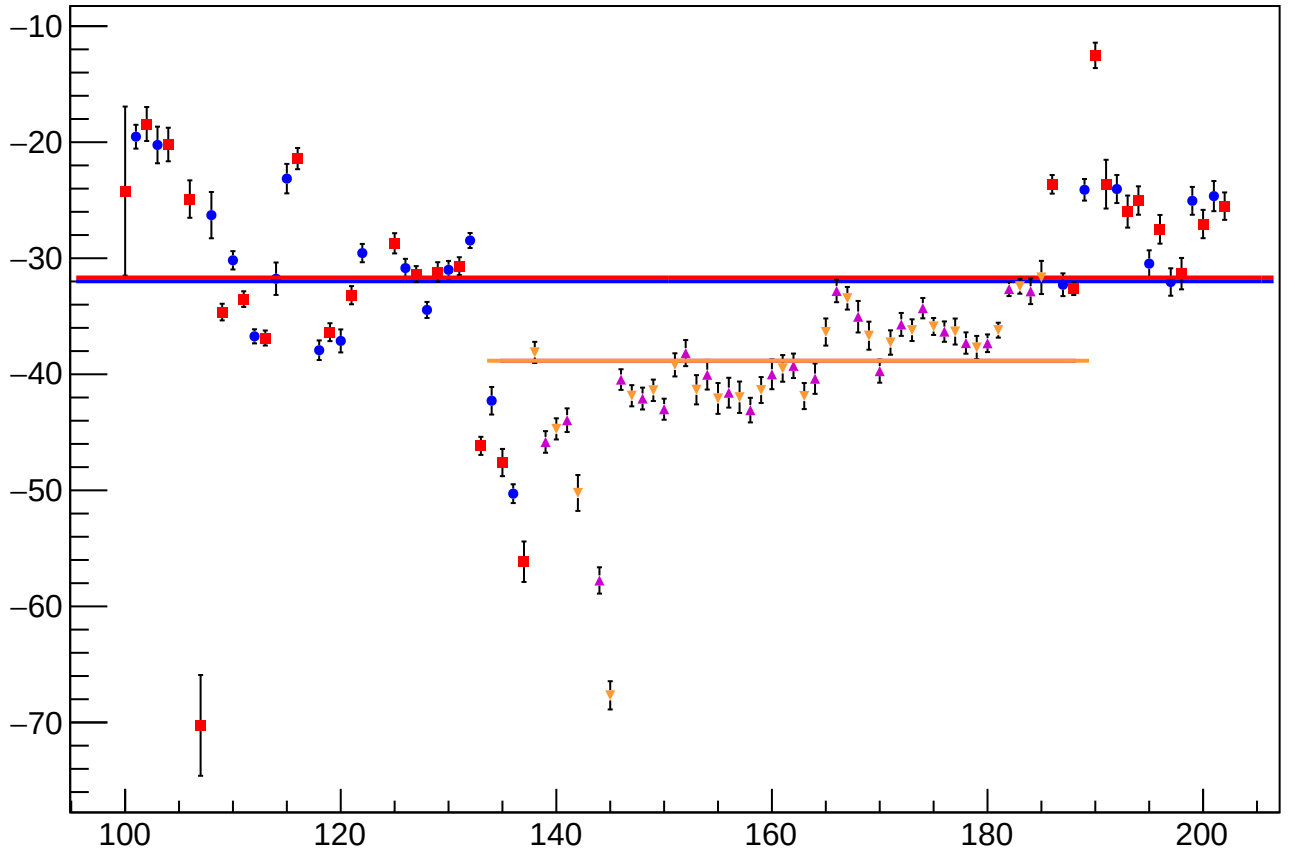
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 188.2/49

In: 0.005+/-0.002 χ^2/NDF:69.7/45

Out: 0.004+/-0.002 χ^2/NDF:179.6/50

All: 0.005+/-0.001 χ^2/NDF: 249.9/96



Right In: -31.983+/-0.194 χ^2/NDF: 1224.7/22

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.658+/-0.179 χ^2/NDF: 1763.9/27

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

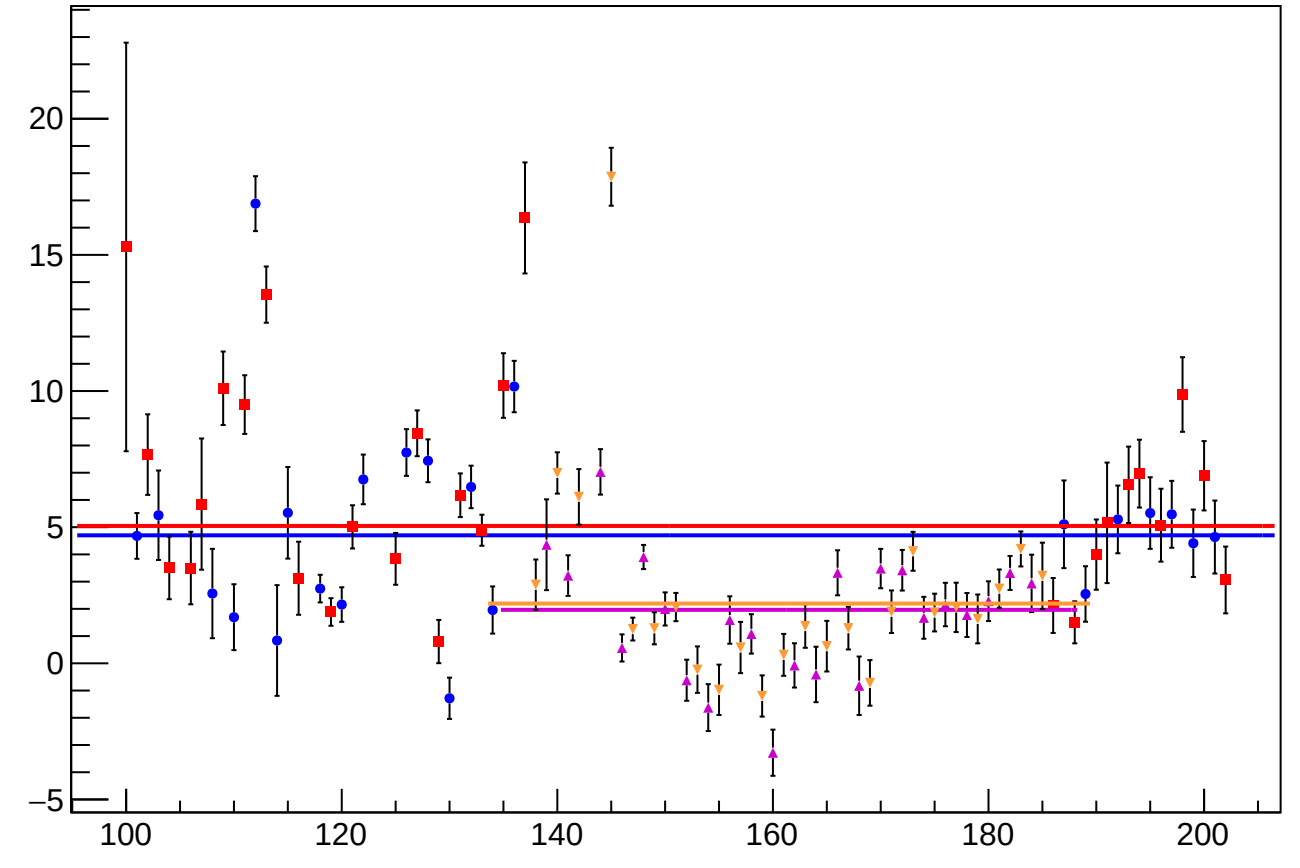
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.808+/-0.131 χ^2/NDF: 2990.2/50

In: -35.240+/-0.140 χ^2/NDF:2474.0/45

Out: -34.803+/-0.134 χ^2/NDF:3388.1/51

All: -35.011+/-0.097 χ^2/NDF: 5867.2/97



Right In: 4.701+/-0.199 χ^2/NDF: 335.2/22

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.045+/-0.192 χ^2/NDF: 297.0/27

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

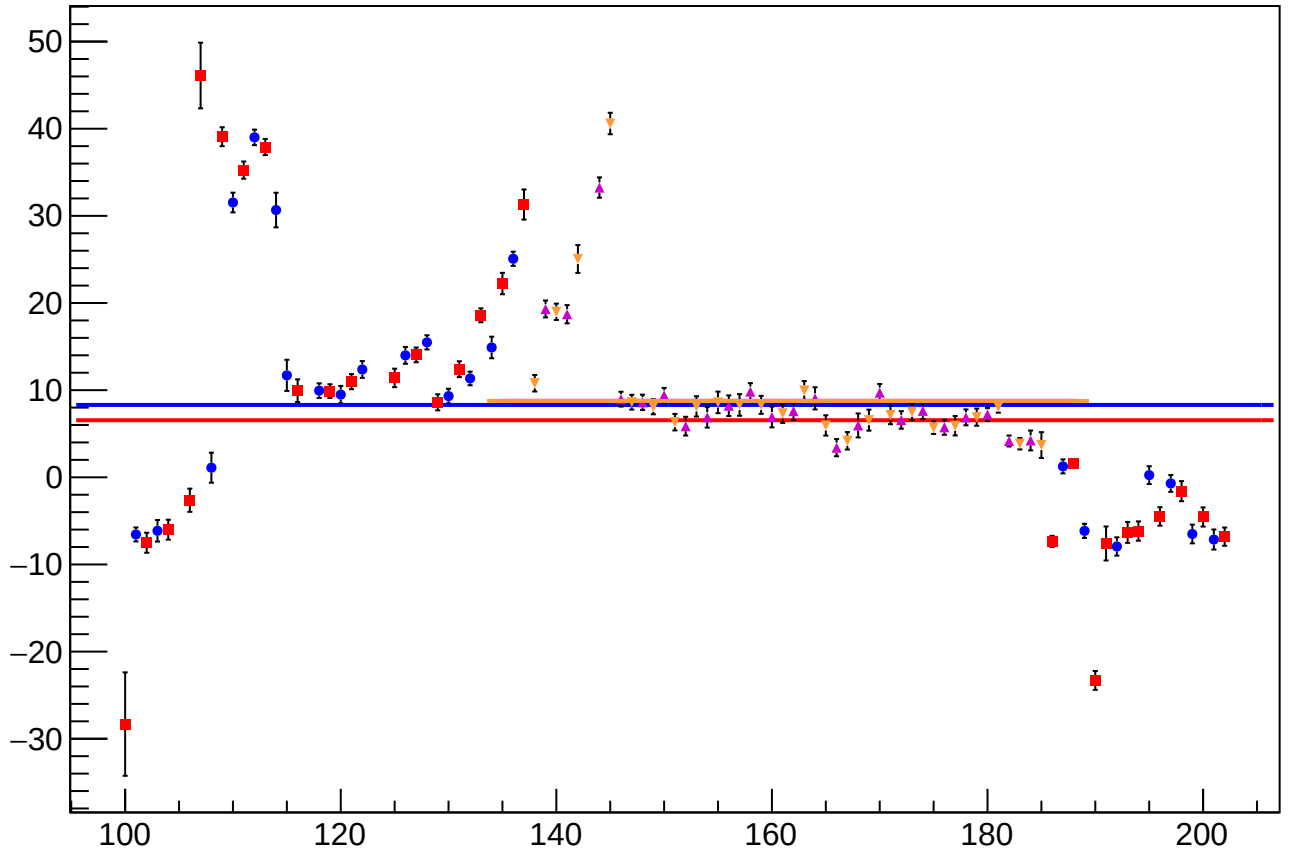
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

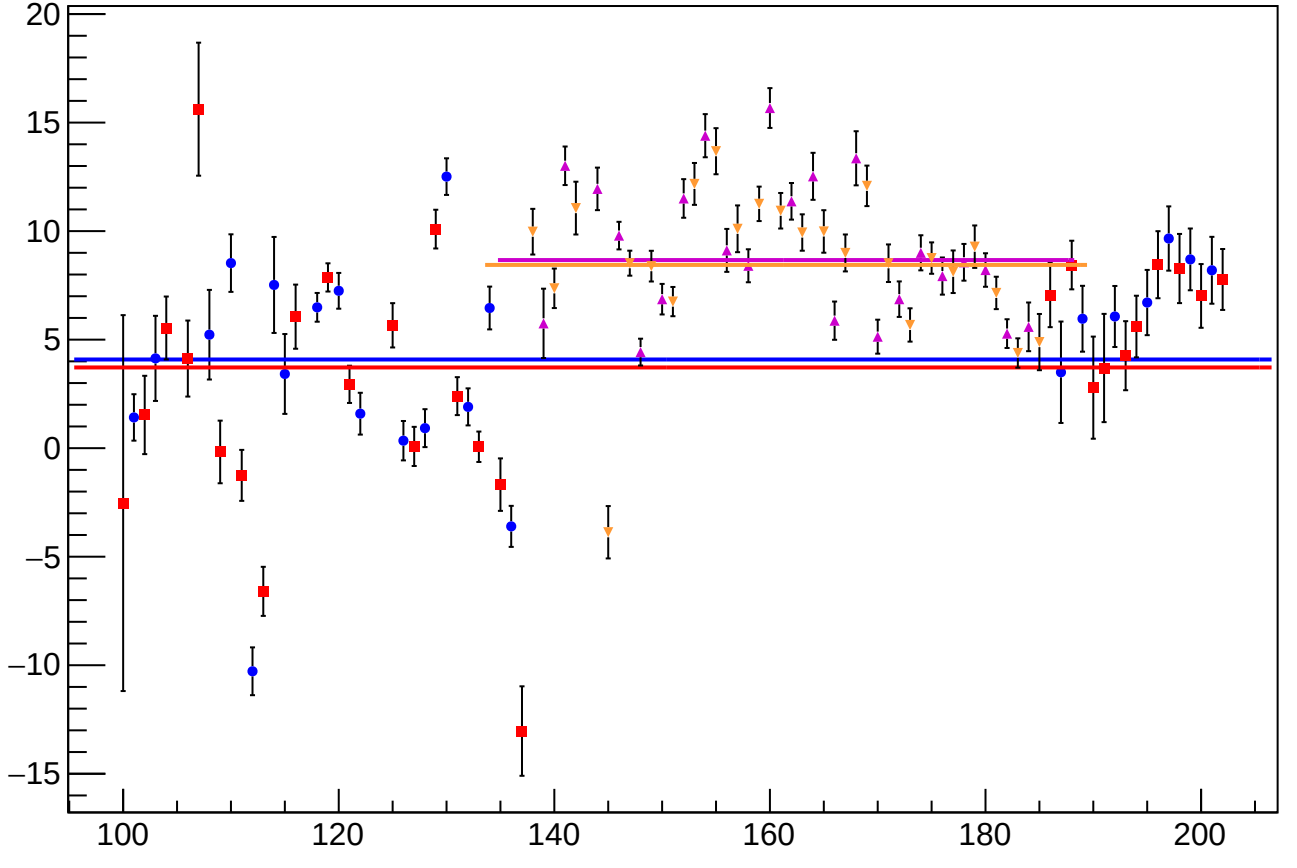
Right: 4.879+/-0.138 χ^2/NDF: 633.8/50

In: 2.995+/-0.122 χ^2/NDF:626.3/45

Out: 3.292+/-0.119 χ^2/NDF:797.2/51

All: 3.147+/-0.085 χ^2/NDF: 1426.5/97


reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 8.305+/-0.204 χ²/NDF: 3985.0/22
Left Out: 8.766+/-0.200 χ²/NDF:1035.4/23
Right Out: 6.550+/-0.184 χ²/NDF: 6215.1/27
Left In: 8.773+/-0.201 χ²/NDF:795.1/22
Left: 8.769+/-0.142 χ²/NDF: 1830.5/46
Right: 7.338+/-0.137 χ²/NDF: 10240.8/50
In: 8.542+/-0.143 χ²/NDF:4782.7/45
Out: 7.564+/-0.136 χ²/NDF:7316.7/51
All: 8.026+/-0.099 χ²/NDF: 12123.9/97



Right In: 4.086+/-0.233 χ^2/NDF: 471.8/22

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.719+/-0.227 χ^2/NDF: 413.4/27

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

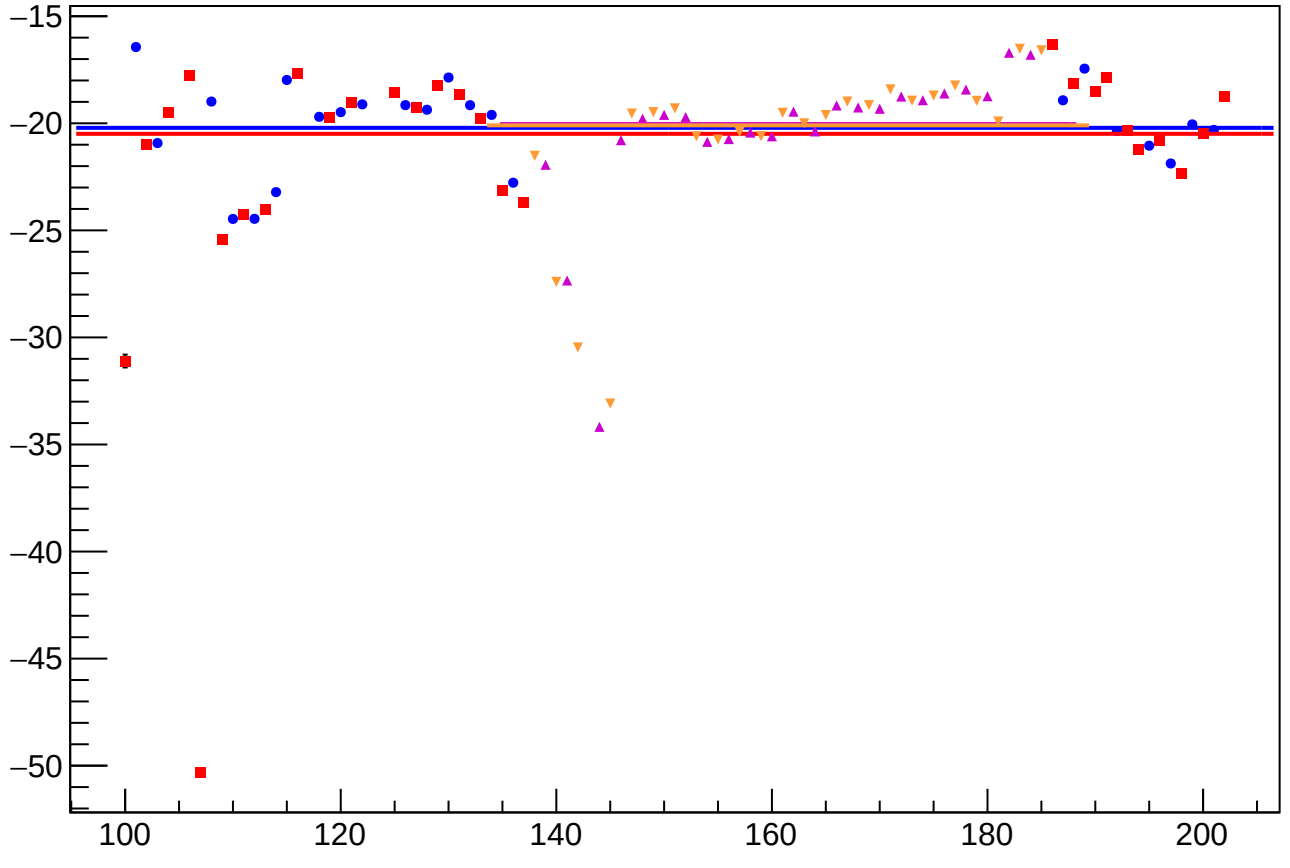
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.898+/-0.163 χ^2/NDF: 886.4/50

In: 7.003+/-0.140 χ^2/NDF:1023.5/45

Out: 6.701+/-0.138 χ^2/NDF:950.6/51

All: 6.850+/-0.098 χ^2/NDF: 1976.5/97



Right In: -20.212+/-0.012 χ^2/NDF: 23764.4/22

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.491+/-0.011 χ^2/NDF: 68211.4/27

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

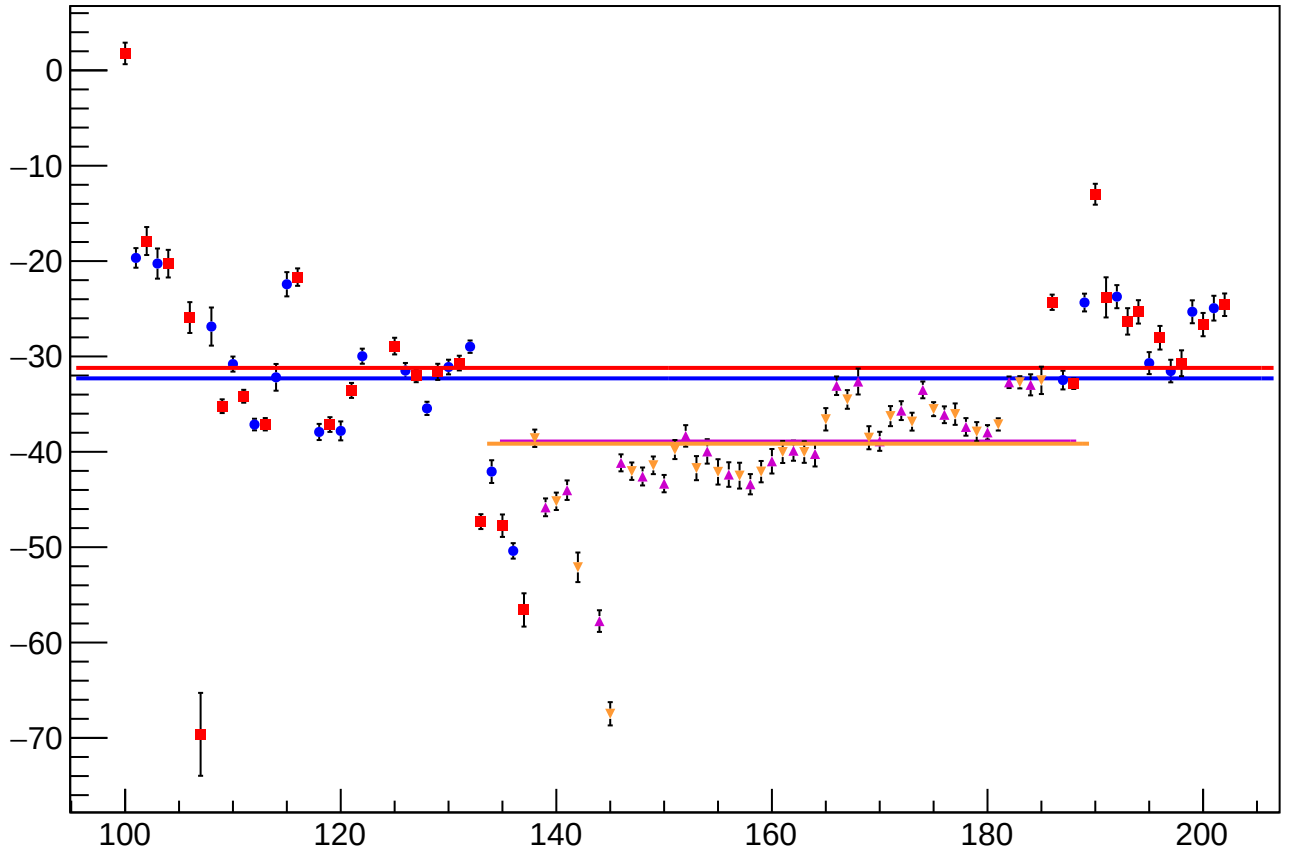
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.360+/-0.008 χ^2/NDF: 92257.9/50

In: -20.089+/-0.007 χ^2/NDF:156201.5/45

Out: -20.224+/-0.007 χ^2/NDF:228312.8/51

All: -20.158+/-0.005 χ^2/NDF: 384725.2/97



Right In: -32.299+/-0.194 χ^2/NDF: 1231.5/22

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.202+/-0.177 χ^2/NDF: 2695.4/27

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

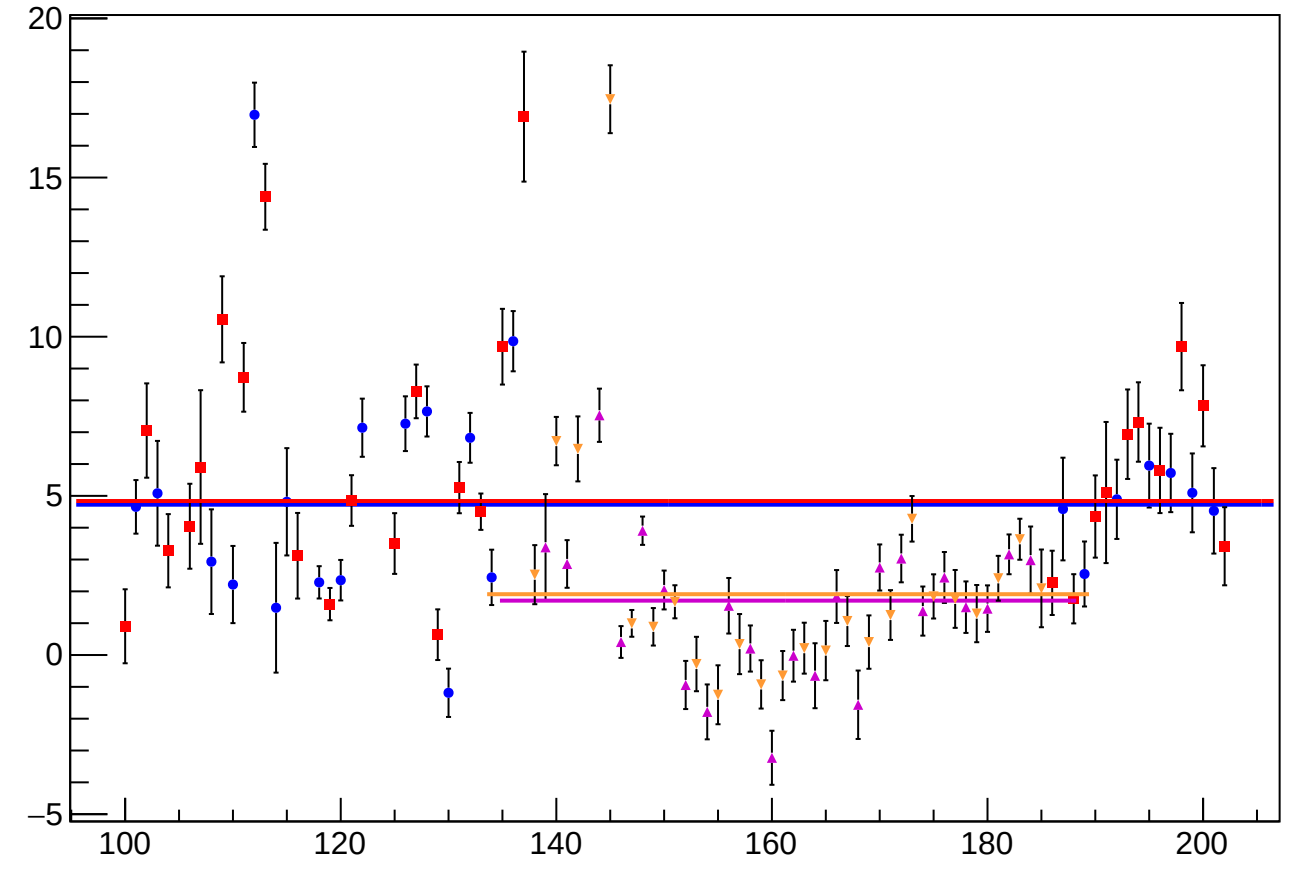
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.699+/-0.131 χ^2/NDF: 3944.4/50

In: -35.447+/-0.140 χ^2/NDF:2470.1/45

Out: -34.638+/-0.133 χ^2/NDF:4468.6/51

All: -35.021+/-0.097 χ^2/NDF: 6956.1/97



Right In: 4.723+/-0.199 χ^2/NDF: 331.9/22

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.838+/-0.190 χ^2/NDF: 321.6/27

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

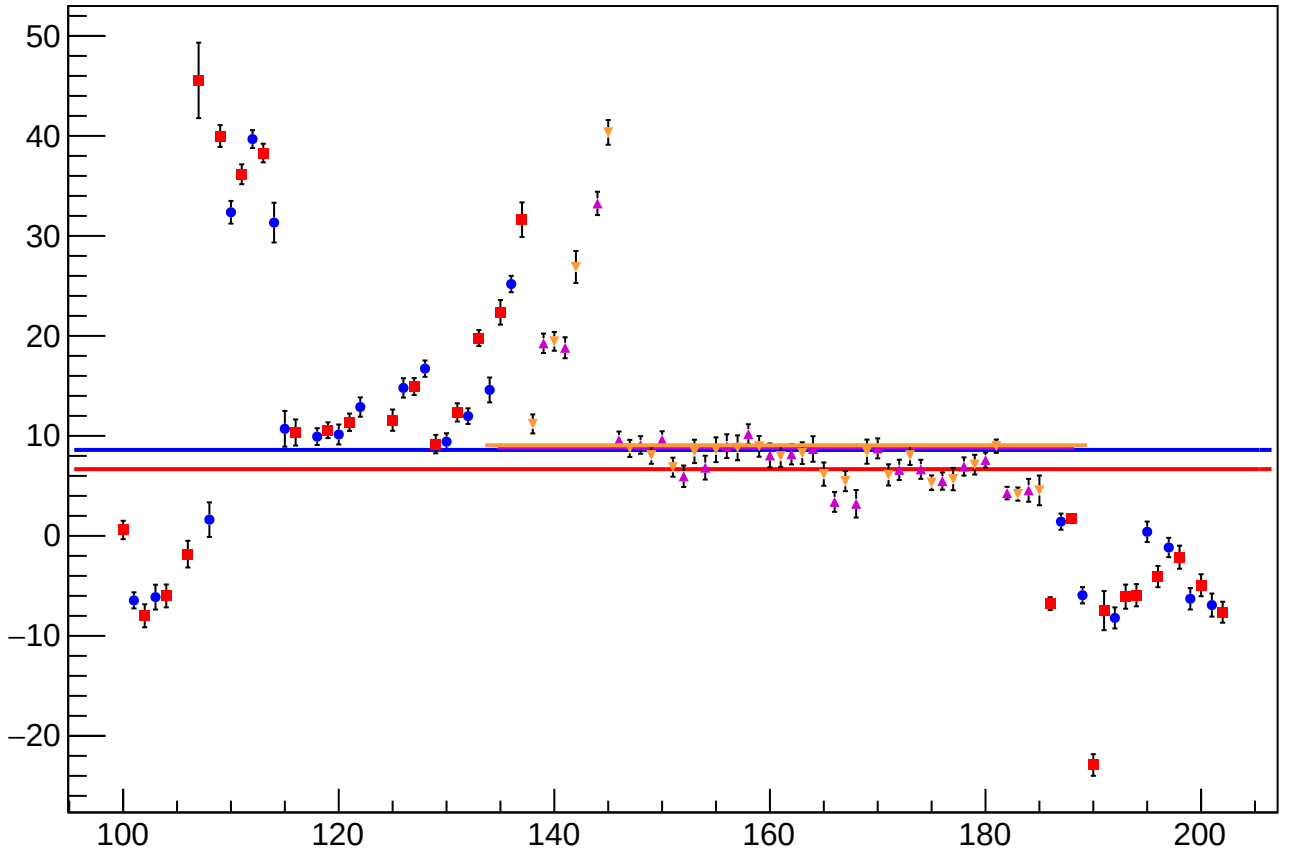
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.783+/-0.138 χ^2/NDF: 653.7/50

In: 2.844+/-0.122 χ^2/NDF:657.0/45

Out: 3.056+/-0.119 χ^2/NDF:825.2/51

All: 2.953+/-0.085 χ^2/NDF: 1483.7/97



Right In: 8.596+/-0.204 χ^2/NDF: 4097.0/22

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 6.673+/-0.181 χ^2/NDF: 6373.9/27

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

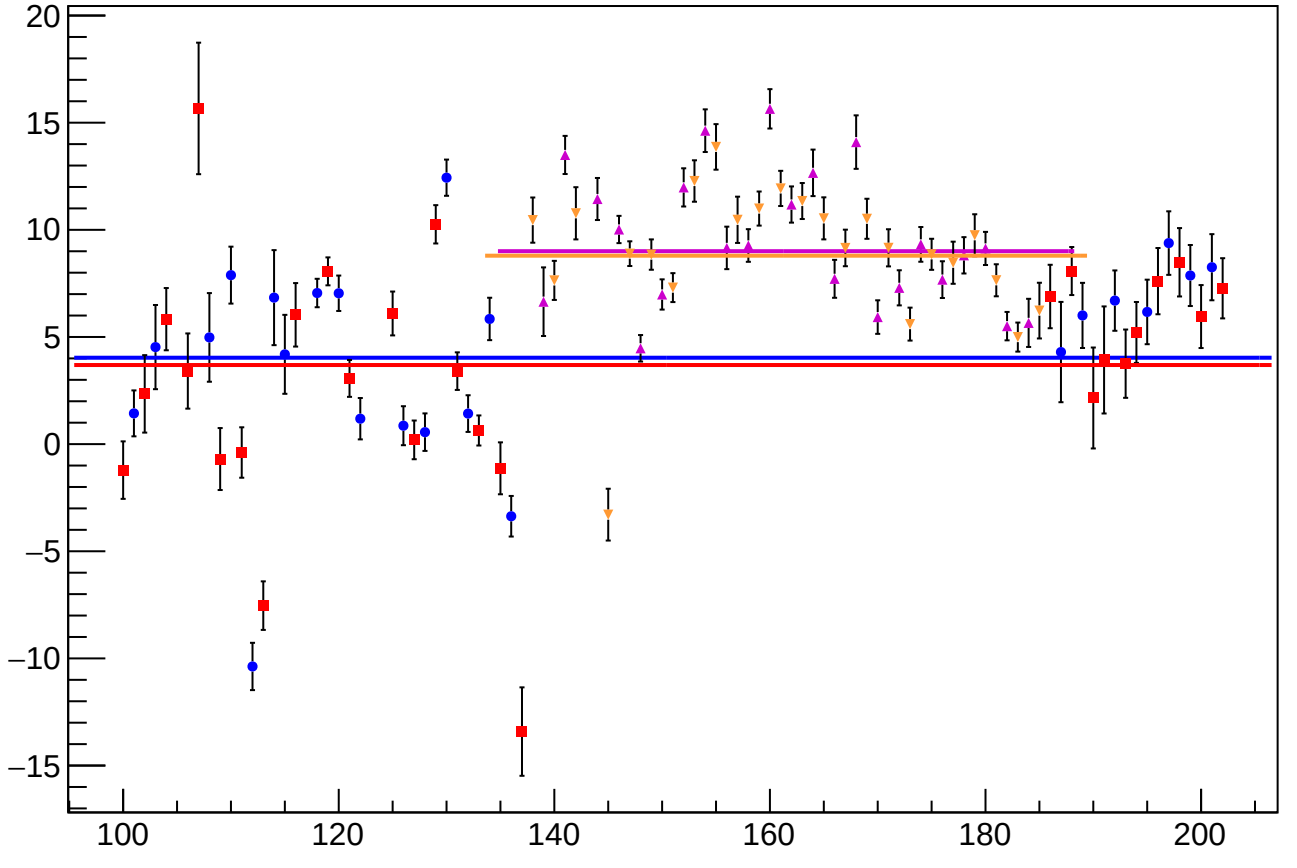
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 7.519+/-0.136 χ^2/NDF: 10520.5/50

In: 8.713+/-0.144 χ^2/NDF:4899.0/45

Out: 7.743+/-0.134 χ^2/NDF:7485.4/51

All: 8.196+/-0.098 χ^2/NDF: 12408.7/97



Right In: 4.032+/-0.233 χ^2/NDF: 464.6/22

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.691+/-0.224 χ^2/NDF: 422.6/27

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

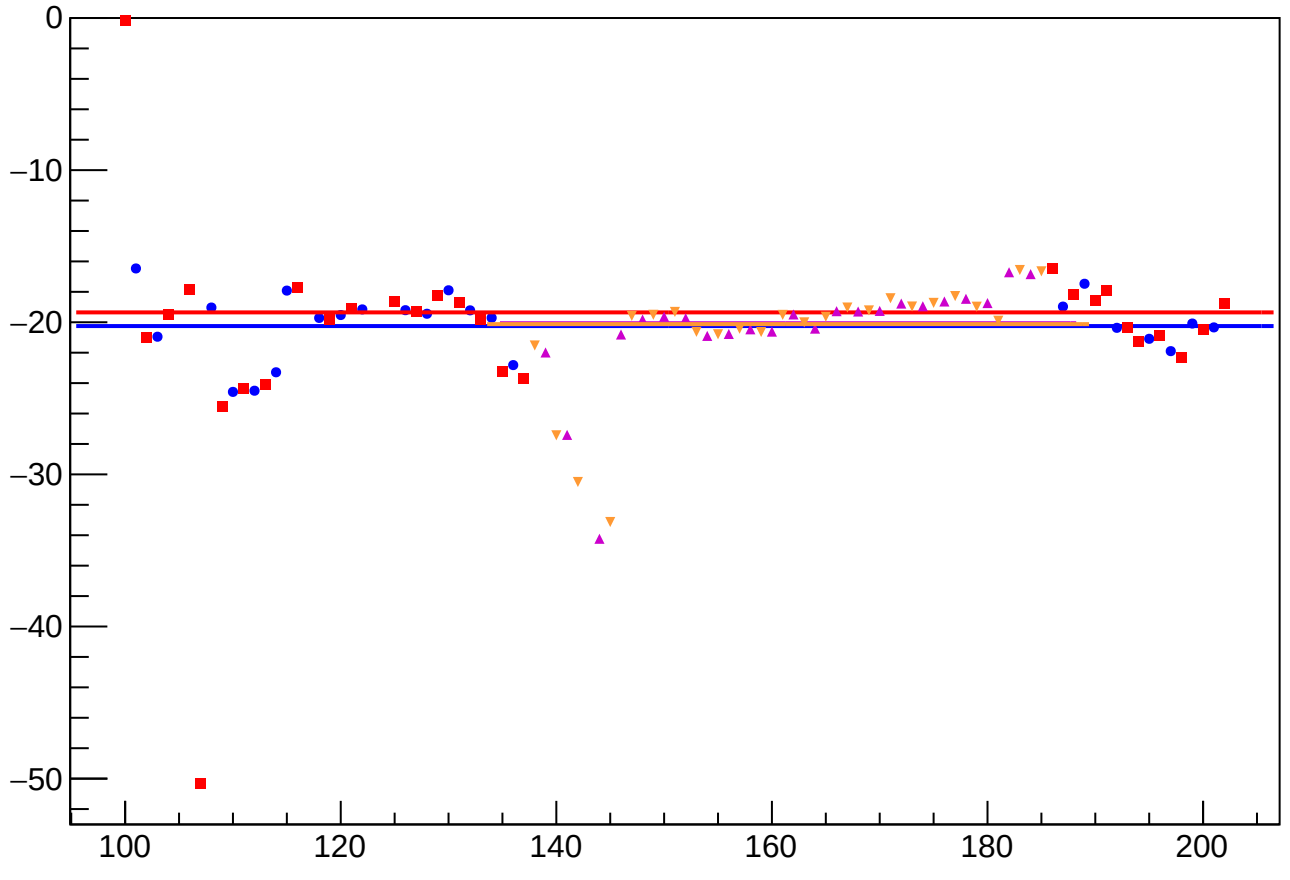
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.855+/-0.162 χ^2/NDF: 888.4/50

In: 7.199+/-0.140 χ^2/NDF:1044.0/45

Out: 6.880+/-0.137 χ^2/NDF:989.6/51

All: 7.036+/-0.098 χ^2/NDF: 2036.2/97



Right In: -20.250+/-0.012 χ^2/NDF: 23771.8/22

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.351+/-0.011 χ^2/NDF: 246589.5/27

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

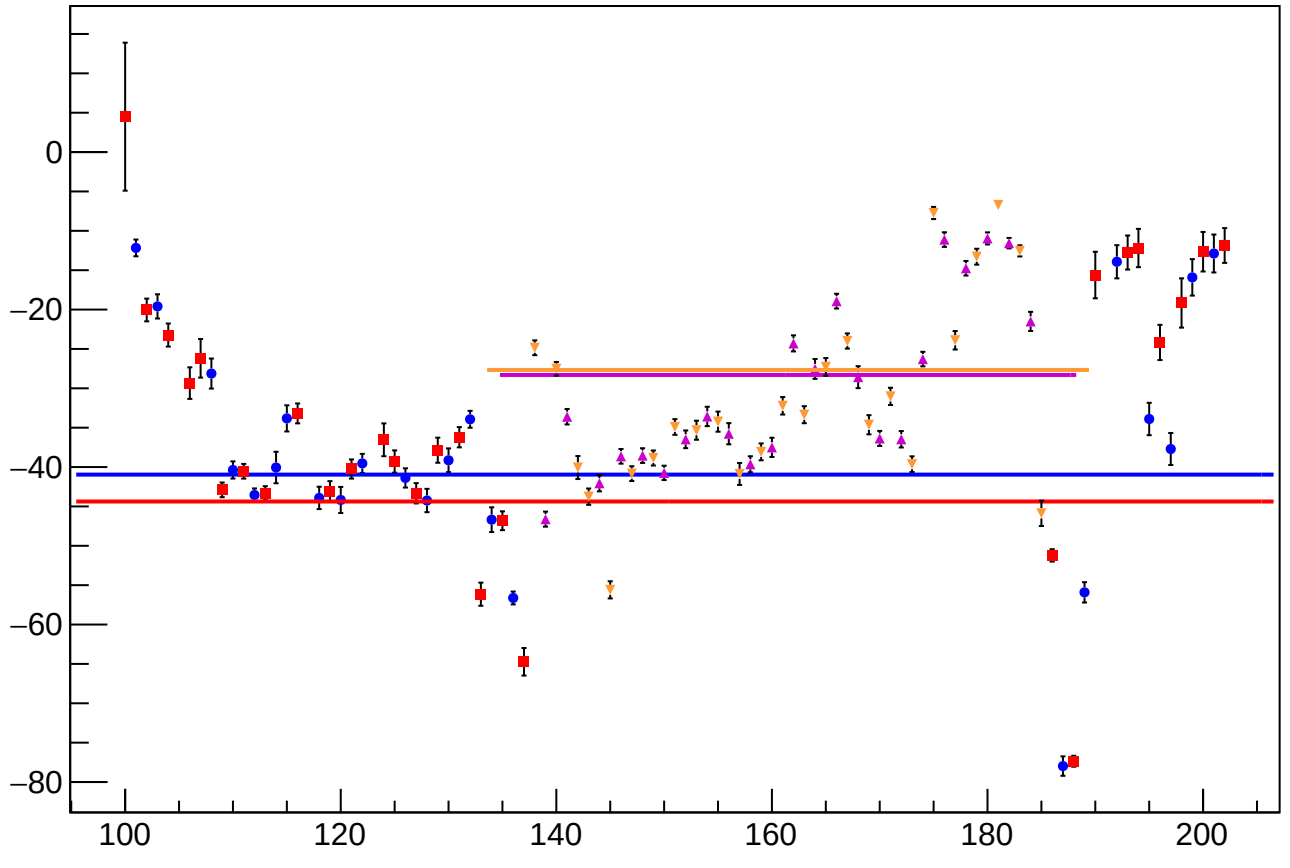
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.762+/-0.008 χ^2/NDF: 273344.1/50

In: -20.119+/-0.007 χ^2/NDF:156628.9/45

Out: -19.863+/-0.006 χ^2/NDF:408358.6/51

All: -19.988+/-0.005 χ^2/NDF: 565752.1/97



Right In: -40.959+/-0.281 χ^2/NDF: 2903.9/22

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -44.374+/-0.254 χ^2/NDF: 4358.4/27

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

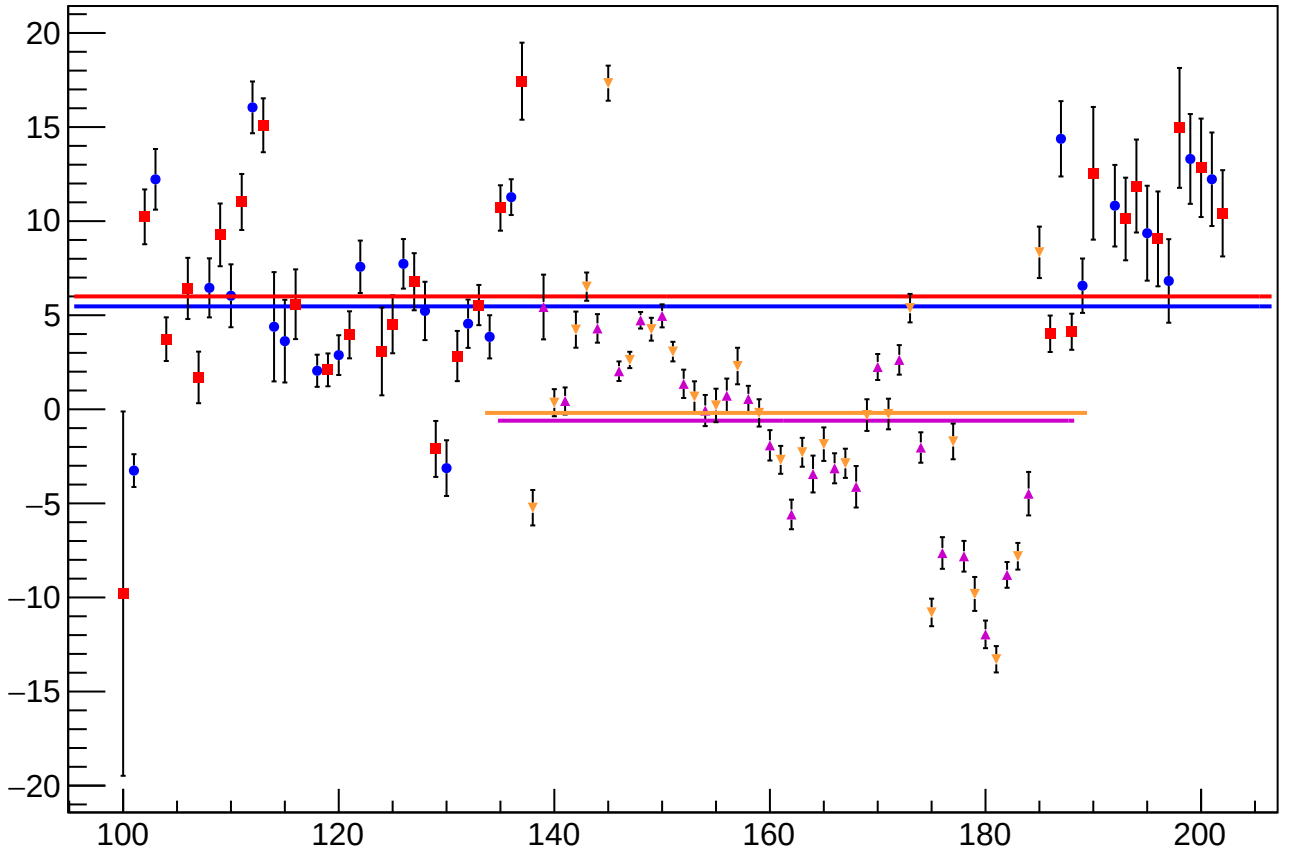
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.835+/-0.189 χ^2/NDF: 7343.5/50

In: -32.724+/-0.166 χ^2/NDF:7498.9/45

Out: -34.068+/-0.157 χ^2/NDF:11415.8/52

All: -33.431+/-0.114 χ^2/NDF: 18949.2/98



Right In: 5.470+/-0.293 χ^2/NDF: 326.4/22

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.999+/-0.280 χ^2/NDF: 228.4/27

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

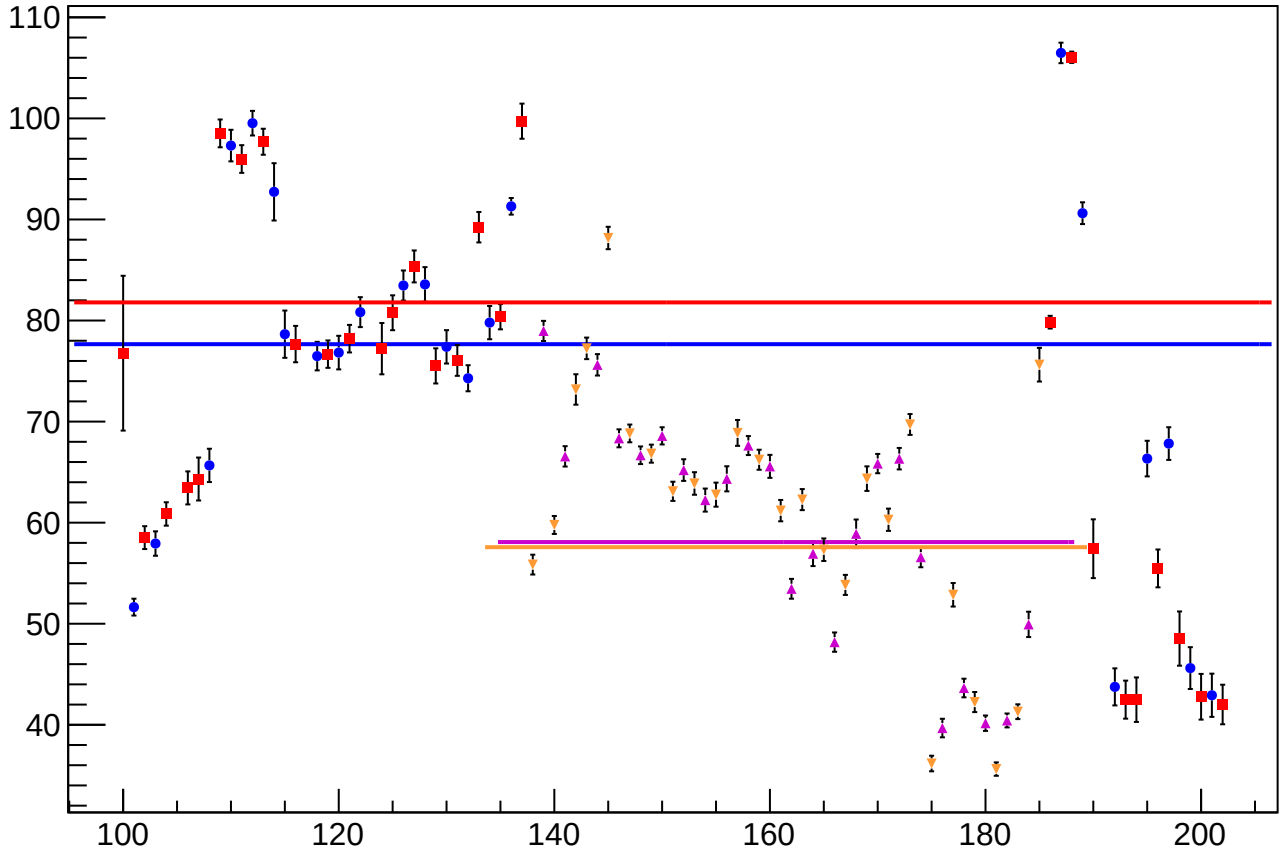
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.746+/-0.202 χ^2/NDF: 556.5/50

In: 0.726+/-0.137 χ^2/NDF:1637.0/45

Out: 1.188+/-0.132 χ^2/NDF:2152.9/52

All: 0.965+/-0.095 χ^2/NDF: 3795.7/98



Right In: 77.659+/-0.287 χ^2/NDF: 3997.1/22

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 81.793+/-0.254 χ^2/NDF: 5329.8/27

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

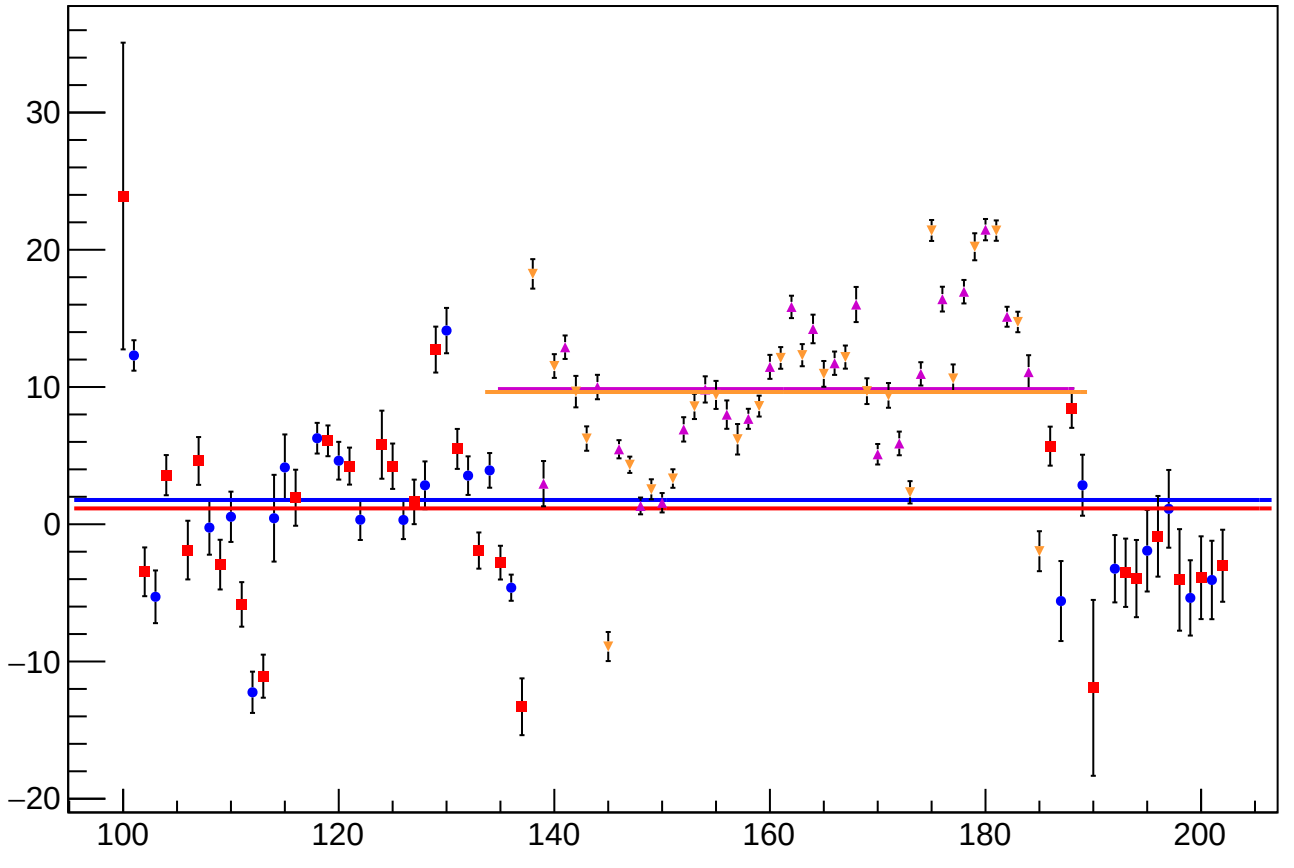
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 79.980+/-0.190 χ^2/NDF: 9443.0/50

In: 64.614+/-0.166 χ^2/NDF:10646.2/45

Out: 66.781+/-0.157 χ^2/NDF:15648.3/52

All: 65.761+/-0.114 χ^2/NDF: 26384.6/98



Right In: 1.768+/-0.342 χ^2/NDF: 344.7/22

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.153+/-0.334 χ^2/NDF: 311.6/27

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

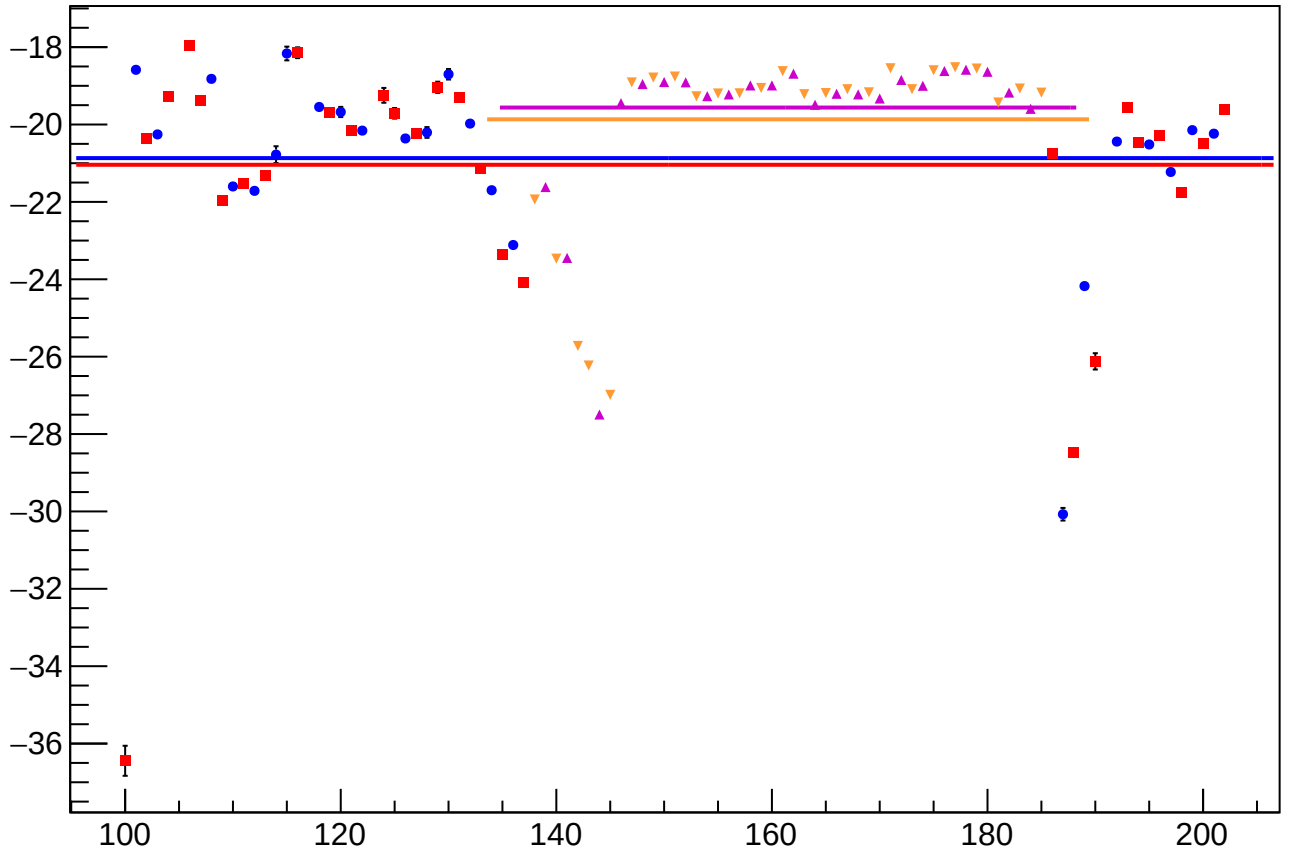
Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

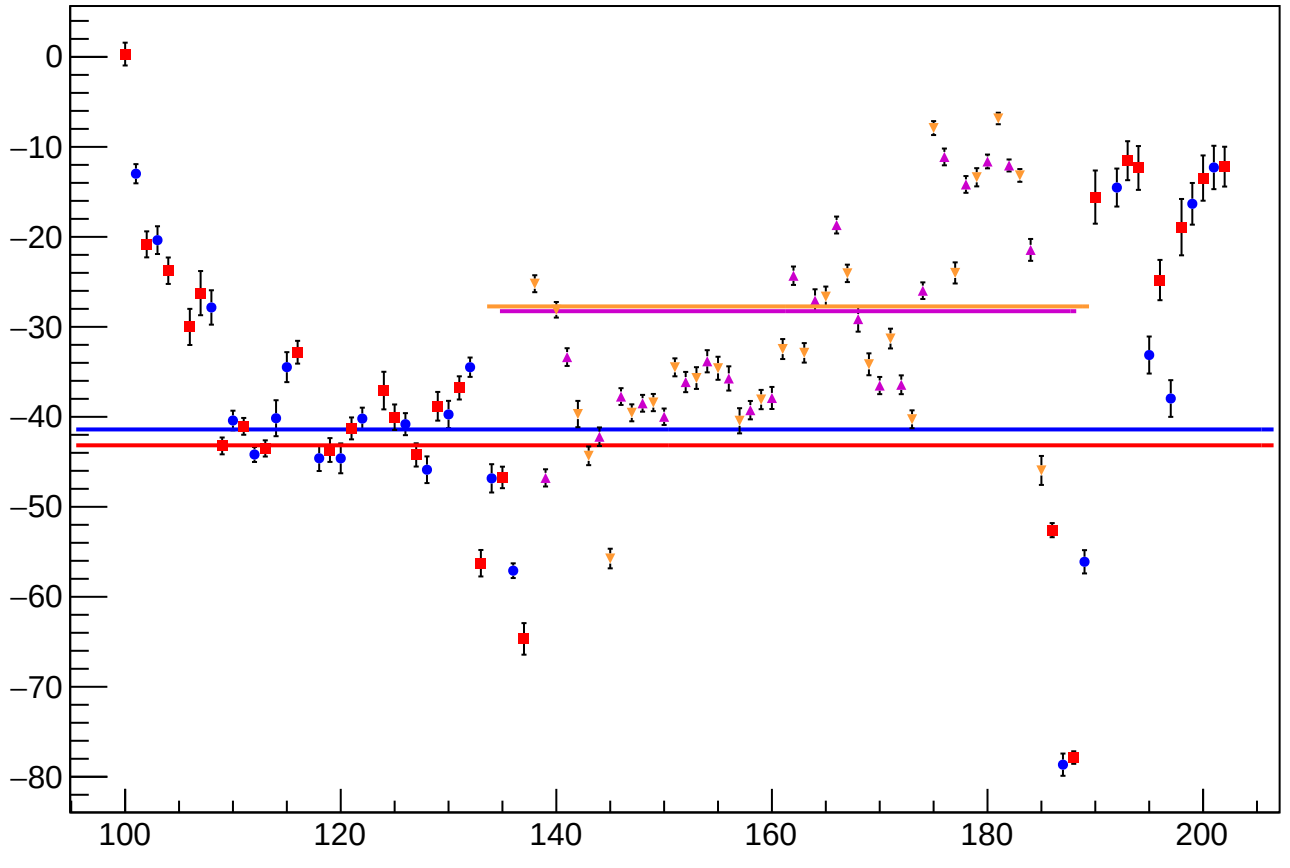
Right: 1.454+/-0.239 χ^2/NDF: 657.9/50

In: 8.150+/-0.157 χ^2/NDF:1779.4/45

Out: 7.869+/-0.153 χ^2/NDF:2313.3/52

All: 8.006+/-0.109 χ^2/NDF: 4094.4/98


reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−18
−20
−22
−24
−26
−28
−30
−32
−34
−36
100
120
140
160
180
200
Right In: -20.868+/-0.017 χ²/NDF: 12074.8/22
Left Out: -19.866+/-0.008 χ²/NDF:78894.3/24
Right Out: -21.040+/-0.017 χ²/NDF: 20372.6/27
Left In: -19.562+/-0.008 χ²/NDF:45172.6/22
Left: -19.716+/-0.006 χ²/NDF: 124807.4/47
Right: -20.955+/-0.012 χ²/NDF: 32499.6/50
In: -19.797+/-0.007 χ²/NDF:62116.8/45
Out: -20.078+/-0.007 χ²/NDF:103300.8/52
All: -19.940+/-0.005 χ²/NDF: 166187.6/98



Right In: -41.402+/-0.281 χ^2/NDF: 2901.3/22

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.166+/-0.250 χ^2/NDF: 5586.0/27

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

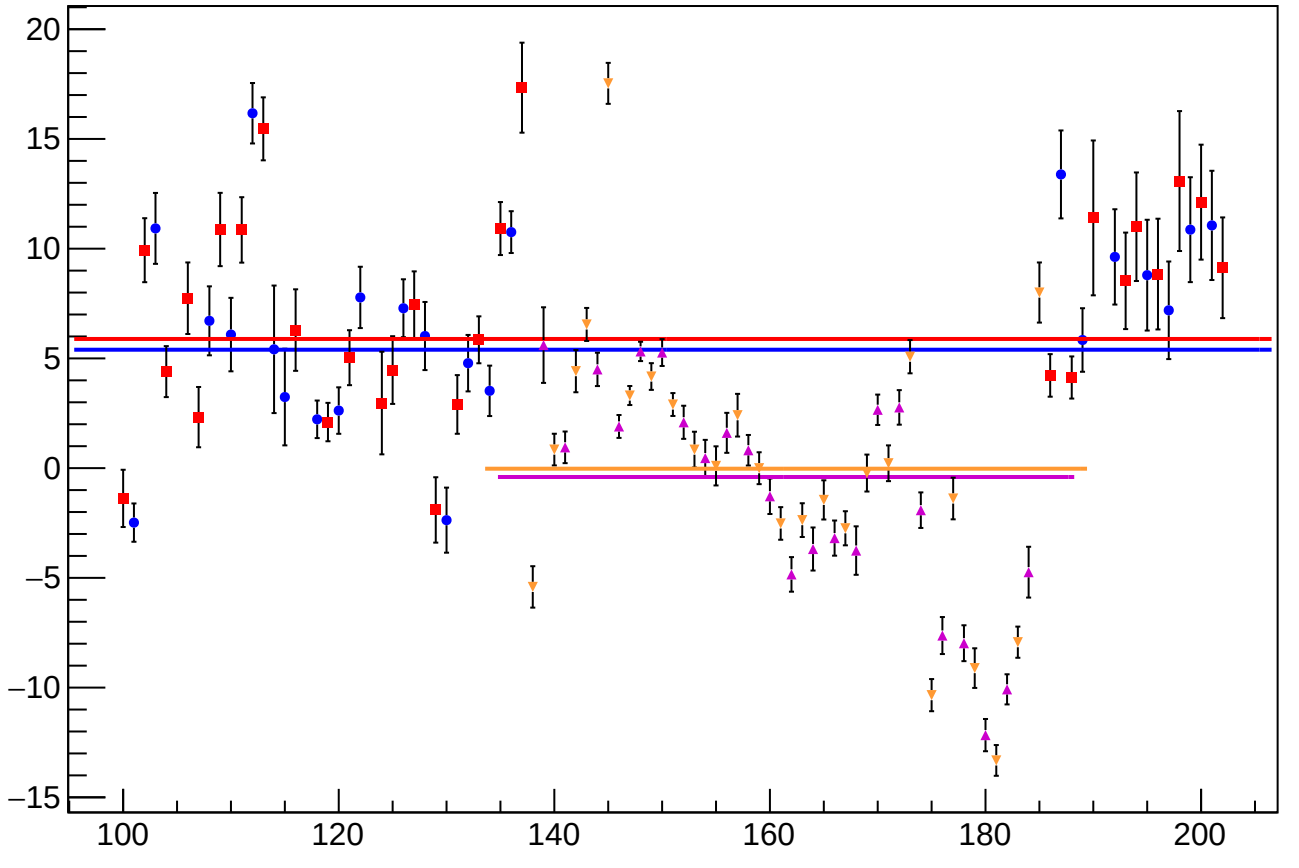
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -42.388+/-0.187 χ^2/NDF: 8509.3/50

In: -32.854+/-0.166 χ^2/NDF:7494.2/45

Out: -33.785+/-0.157 χ^2/NDF:12205.2/52

All: -33.348+/-0.114 χ^2/NDF: 19716.0/98



Right In: 5.396+/-0.293 χ^2/NDF: 276.6/22

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.886+/-0.275 χ^2/NDF: 245.1/27

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

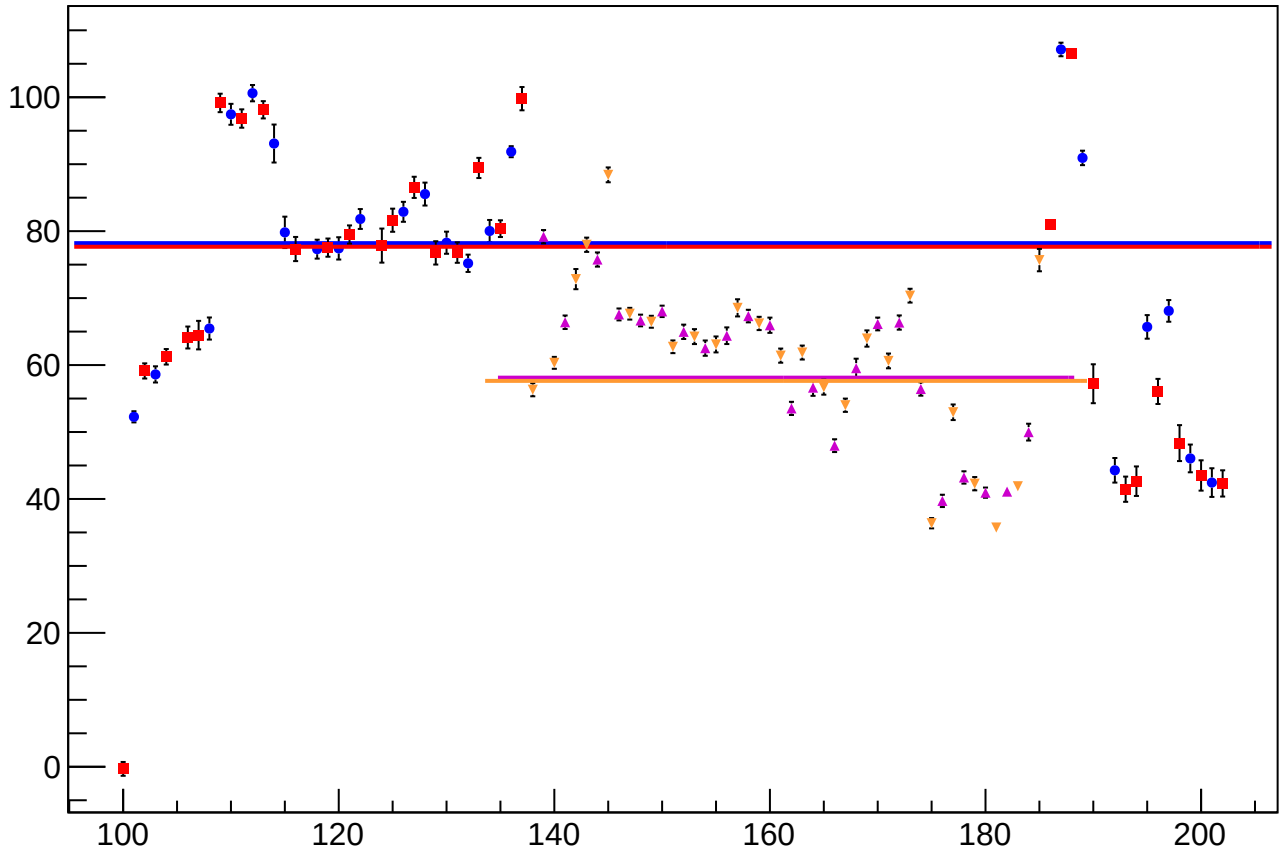
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.657+/-0.200 χ^2/NDF: 523.2/50

In: 0.868+/-0.137 χ^2/NDF:1665.9/45

Out: 1.337+/-0.132 χ^2/NDF:2133.6/52

All: 1.112+/-0.095 χ^2/NDF: 3805.6/98



Right In: 78.209+/-0.288 χ^2/NDF: 4024.0/22

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 77.670+/-0.247 χ^2/NDF: 11392.8/27

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

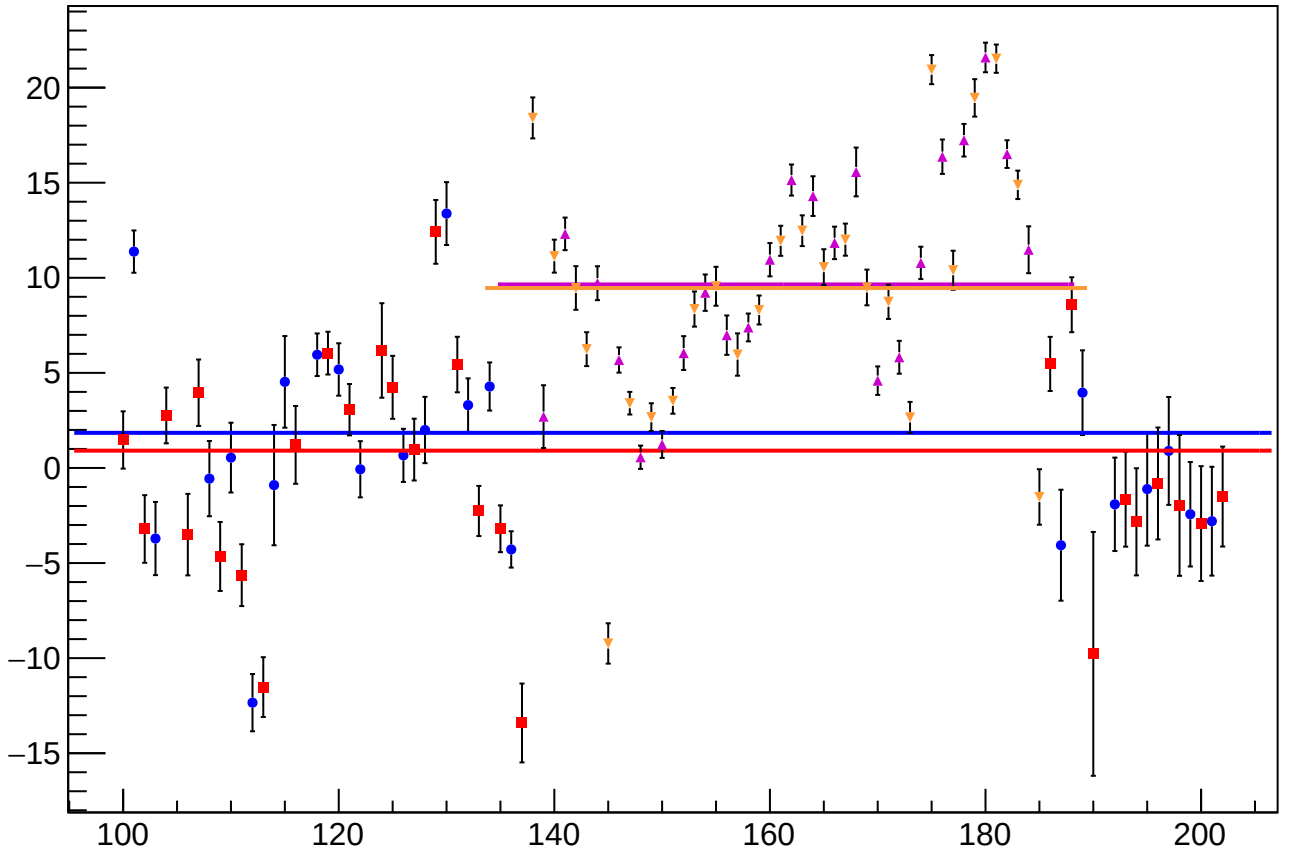
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 77.899+/-0.188 χ^2/NDF: 15418.8/50

In: 64.826+/-0.166 χ^2/NDF:10711.8/45

Out: 65.529+/-0.155 χ^2/NDF:19986.5/52

All: 65.202+/-0.113 χ^2/NDF: 30707.9/98



Right In: 1.847+/-0.342 χ^2/NDF: 304.6/22

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.910+/-0.327 χ^2/NDF: 303.4/27

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

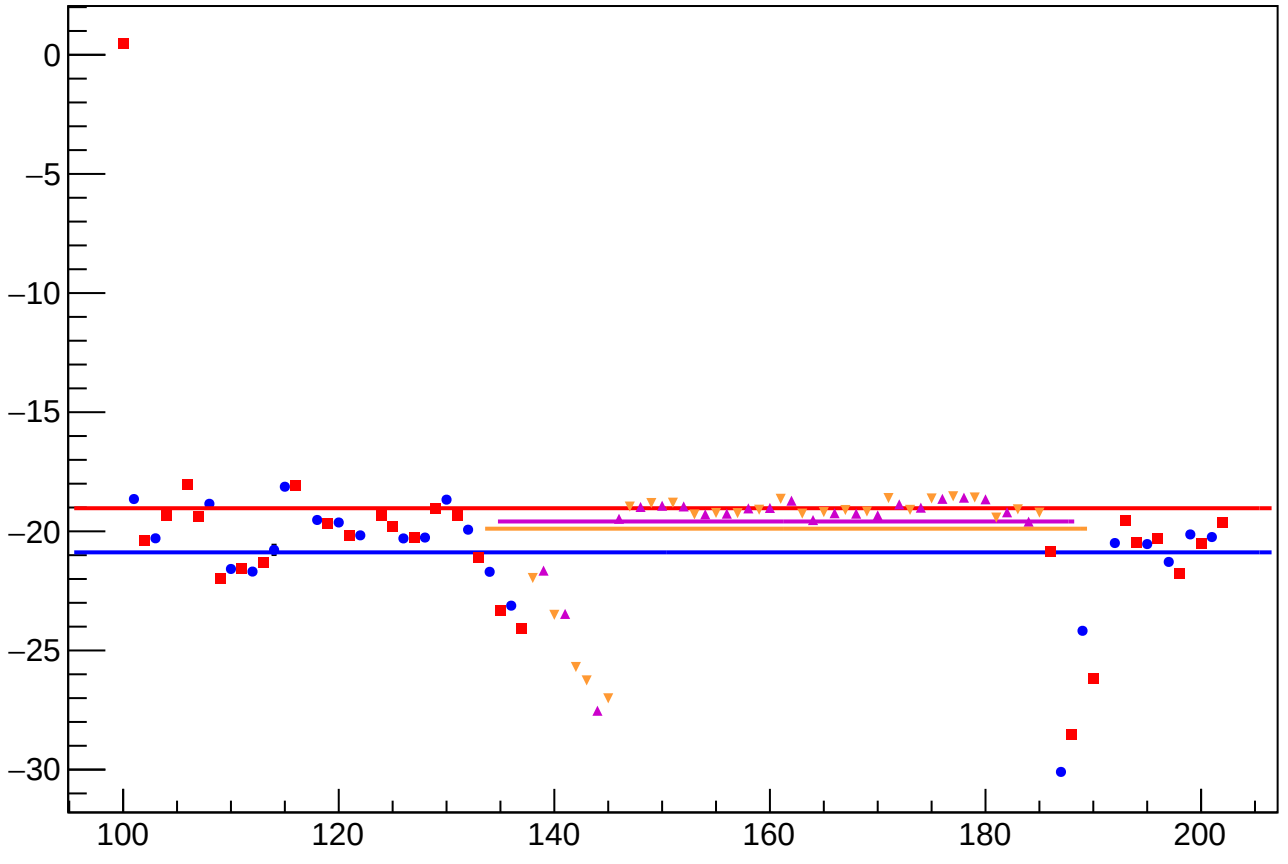
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

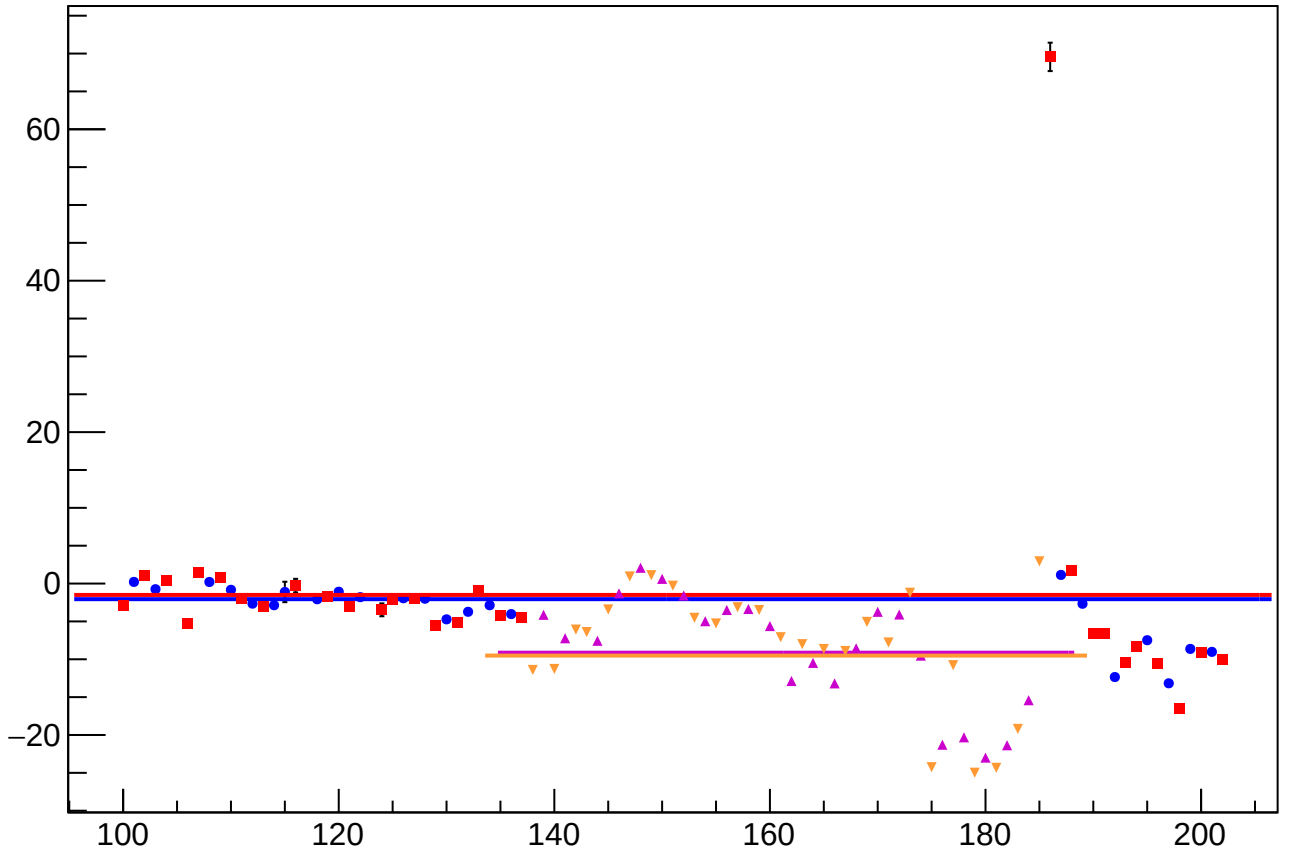
Right: 1.357+/-0.236 χ^2/NDF: 611.9/50

In: 8.008+/-0.157 χ^2/NDF:1793.8/45

Out: 7.612+/-0.152 χ^2/NDF:2323.0/52

All: 7.804+/-0.109 χ^2/NDF: 4120.1/98


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
Right In: -20.882+/-0.017 χ²/NDF: 11951.7/22
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.030+/-0.016 χ²/NDF: 171653.5/27
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.900+/-0.012 χ²/NDF: 189917.7/50
In: -19.820+/-0.007 χ²/NDF:61811.0/45
Out: -19.721+/-0.007 χ²/NDF:252490.9/52
All: -19.769+/-0.005 χ²/NDF: 314398.8/98



Right In: -2.061+/-0.051 χ^2/NDF: 3283.1/22

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.502+/-0.047 χ^2/NDF: 6853.9/28

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

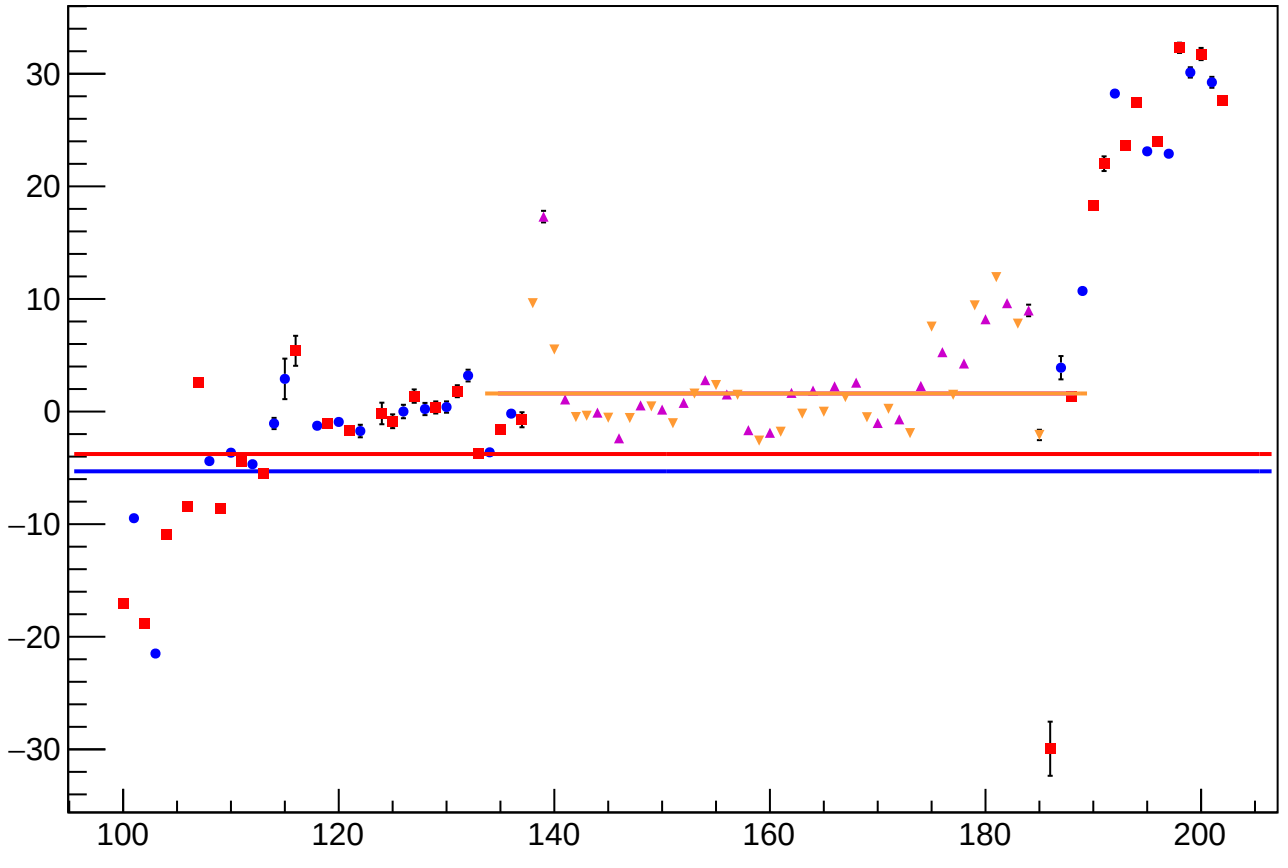
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.754+/-0.034 χ^2/NDF: 10202.0/51

In: -4.329+/-0.042 χ^2/NDF:19746.2/45

Out: -3.834+/-0.039 χ^2/NDF:28390.5/53

All: -4.062+/-0.029 χ^2/NDF: 48210.2/99



Right In: -5.307+/-0.054 χ^2/NDF: 48328.1/22

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.771+/-0.053 χ^2/NDF: 57318.6/28

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

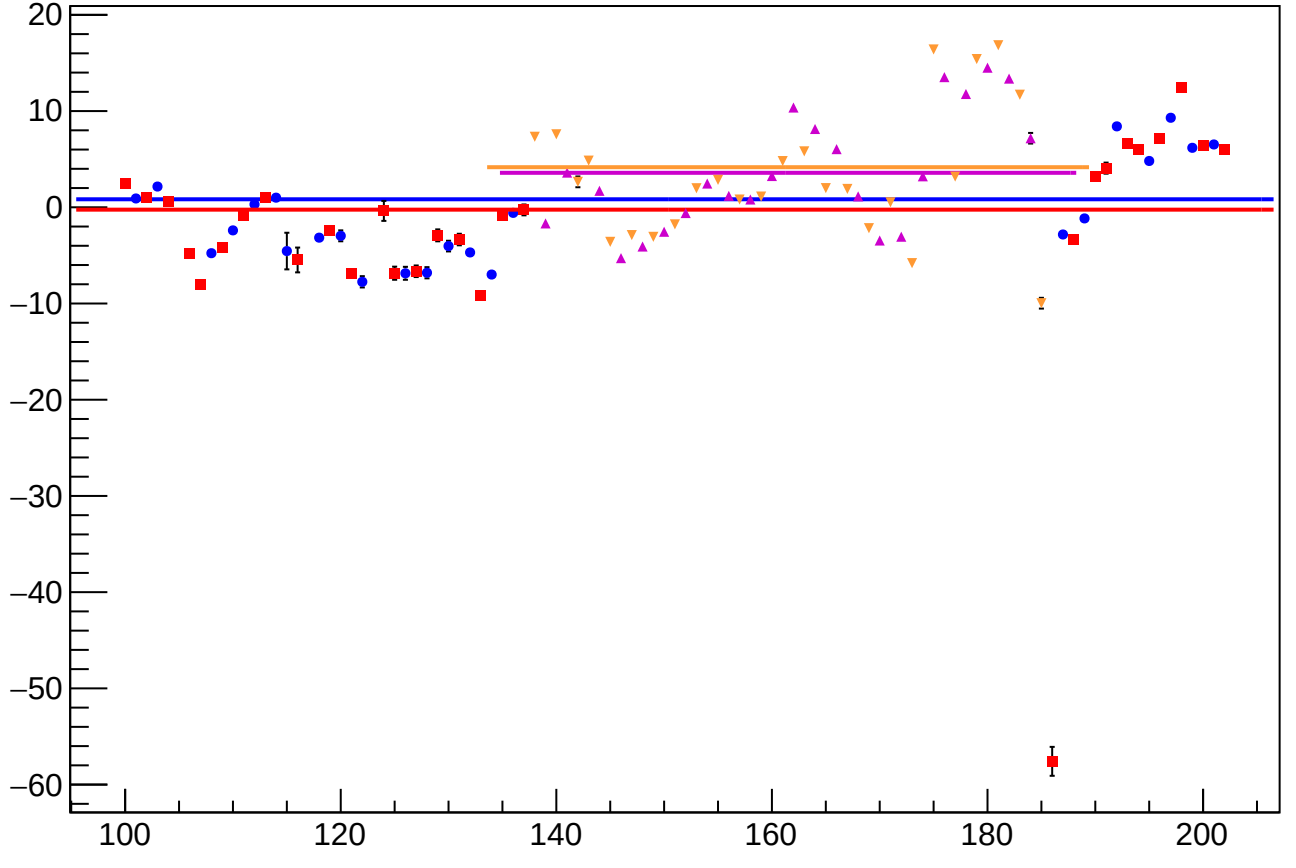
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -4.524+/-0.038 χ^2/NDF: 106061.3/51

In: -2.088+/-0.039 χ^2/NDF:59657.0/45

Out: -1.200+/-0.038 χ^2/NDF:66952.0/53

All: -1.630+/-0.027 χ^2/NDF: 126871.0/99



Right In: 0.833+/-0.049 χ^2/NDF: 4143.4/22

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.246+/-0.047 χ^2/NDF: 8121.1/28

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

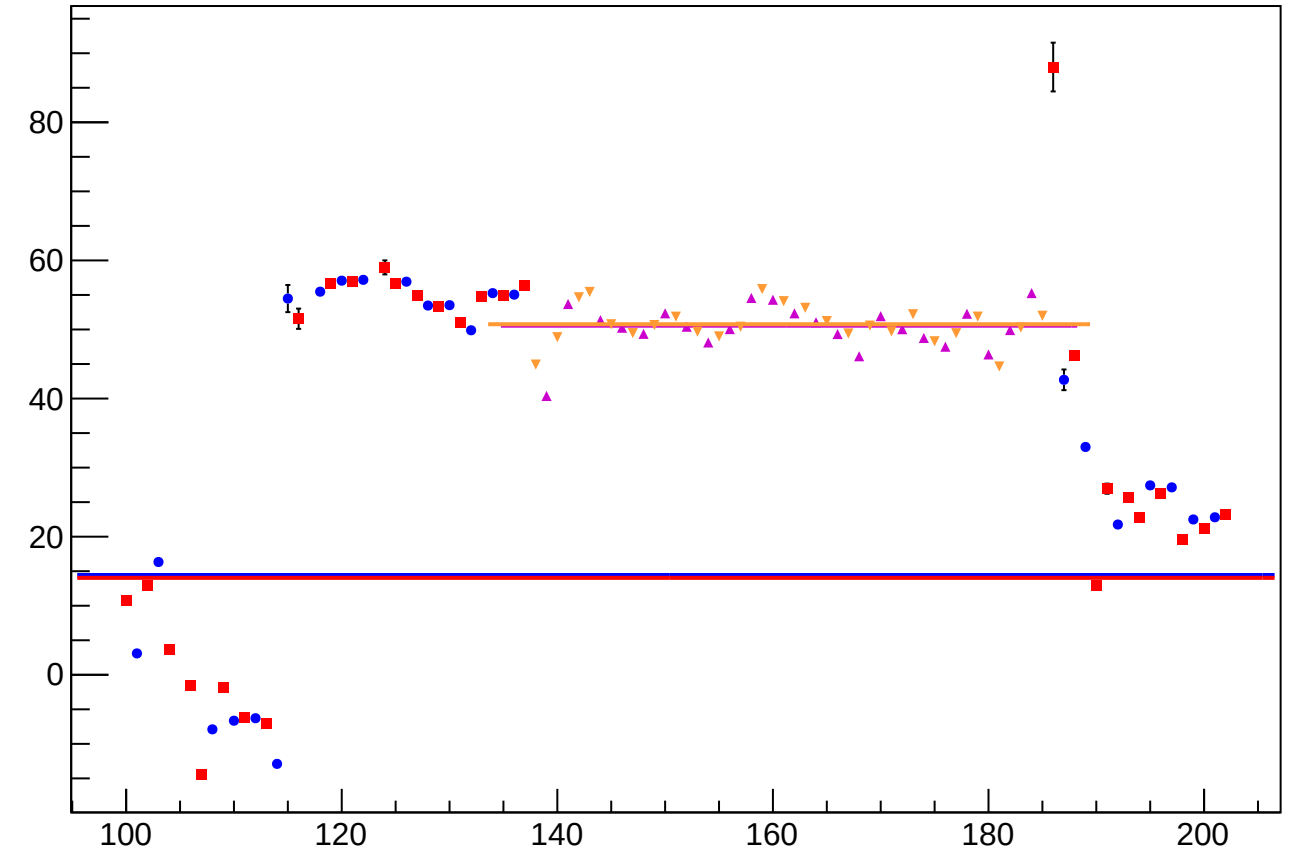
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.268+/-0.034 χ^2/NDF: 12515.7/51

In: 1.678+/-0.041 χ^2/NDF:12330.5/45

Out: 1.069+/-0.039 χ^2/NDF:19996.6/53

All: 1.361+/-0.028 χ^2/NDF: 32441.8/99



Right In: 14.453+/-0.064 χ^2/NDF: 112629.6/22

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.038+/-0.063 χ^2/NDF: 129276.8/28

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

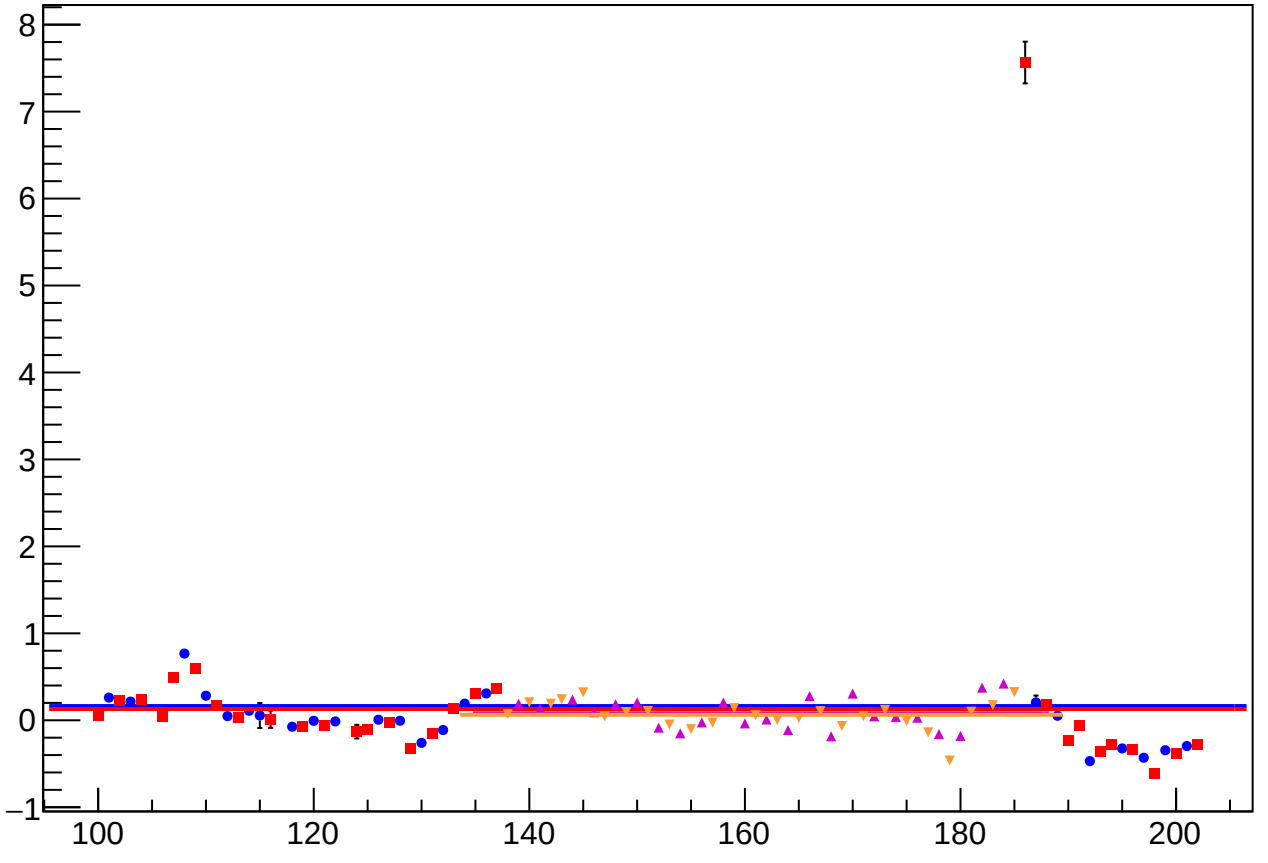
Right: 14.241+/-0.045 χ^2/NDF: 241927.6/51

In: 32.372+/-0.046 χ^2/NDF:270769.3/45

Out: 32.524+/-0.044 χ^2/NDF:302812.0/53

All: 32.450+/-0.032 χ^2/NDF: 573587.1/99

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.003 χ^2/NDF: 12358.6/22

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.130+/-0.002 χ^2/NDF: 12481.5/28

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

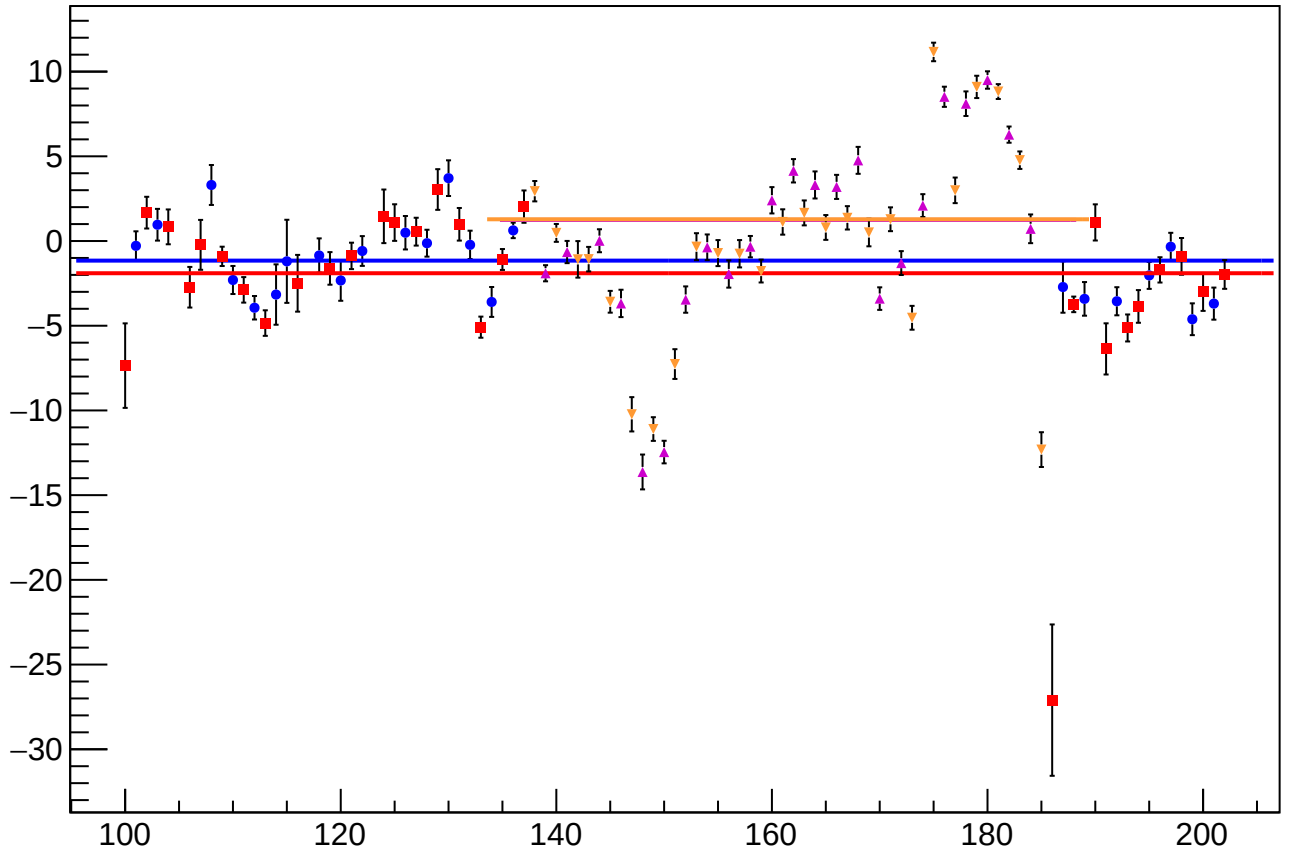
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.146+/-0.002 χ^2/NDF: 24932.8/51

In: 0.126+/-0.002 χ^2/NDF:16290.8/45

Out: 0.101+/-0.002 χ^2/NDF:15367.2/53

All: 0.113+/-0.001 χ^2/NDF: 31748.6/99



Right In: -1.157+/-0.184 χ^2/NDF: 128.7/22

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.901+/-0.163 χ^2/NDF: 228.9/28

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

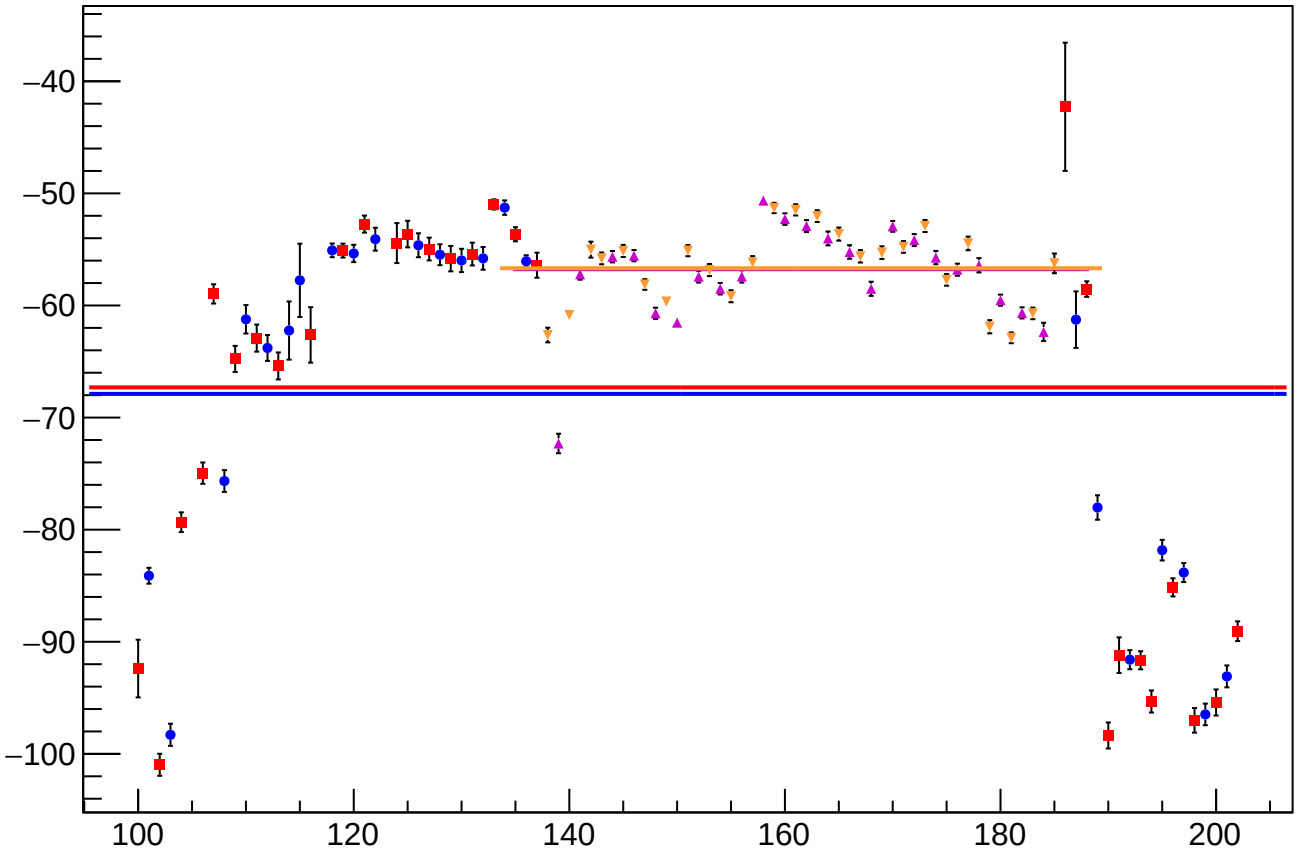
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.574+/-0.122 χ^2/NDF: 366.8/51

In: 0.364+/-0.112 χ^2/NDF:1748.7/45

Out: -0.032+/-0.105 χ^2/NDF:2167.6/53

All: 0.154+/-0.076 χ^2/NDF: 3923.0/99



Right In: -67.887+/-0.189 χ^2/NDF: 7231.0/22

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -67.306+/-0.172 χ^2/NDF: 10063.4/28

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

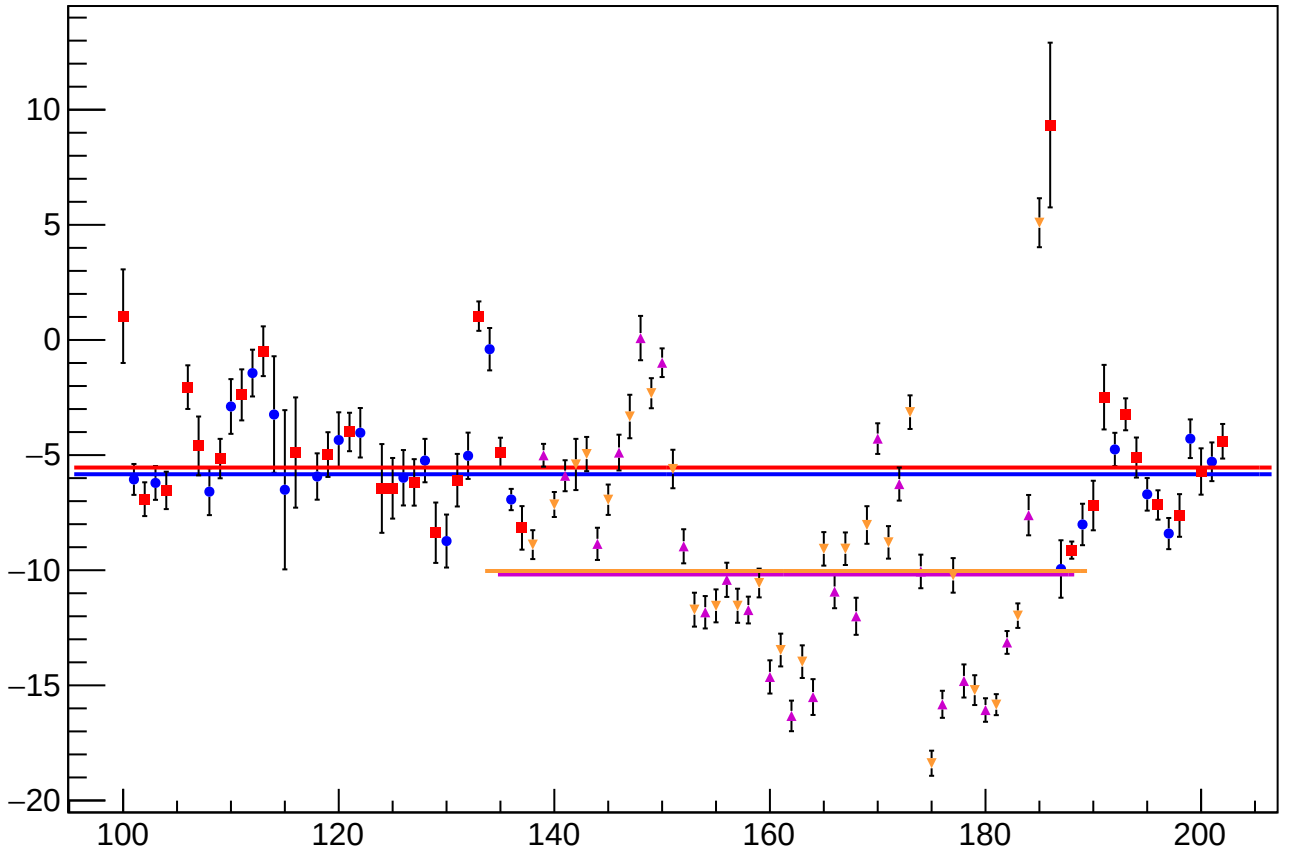
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -67.570+/-0.127 χ^2/NDF: 17299.6/51

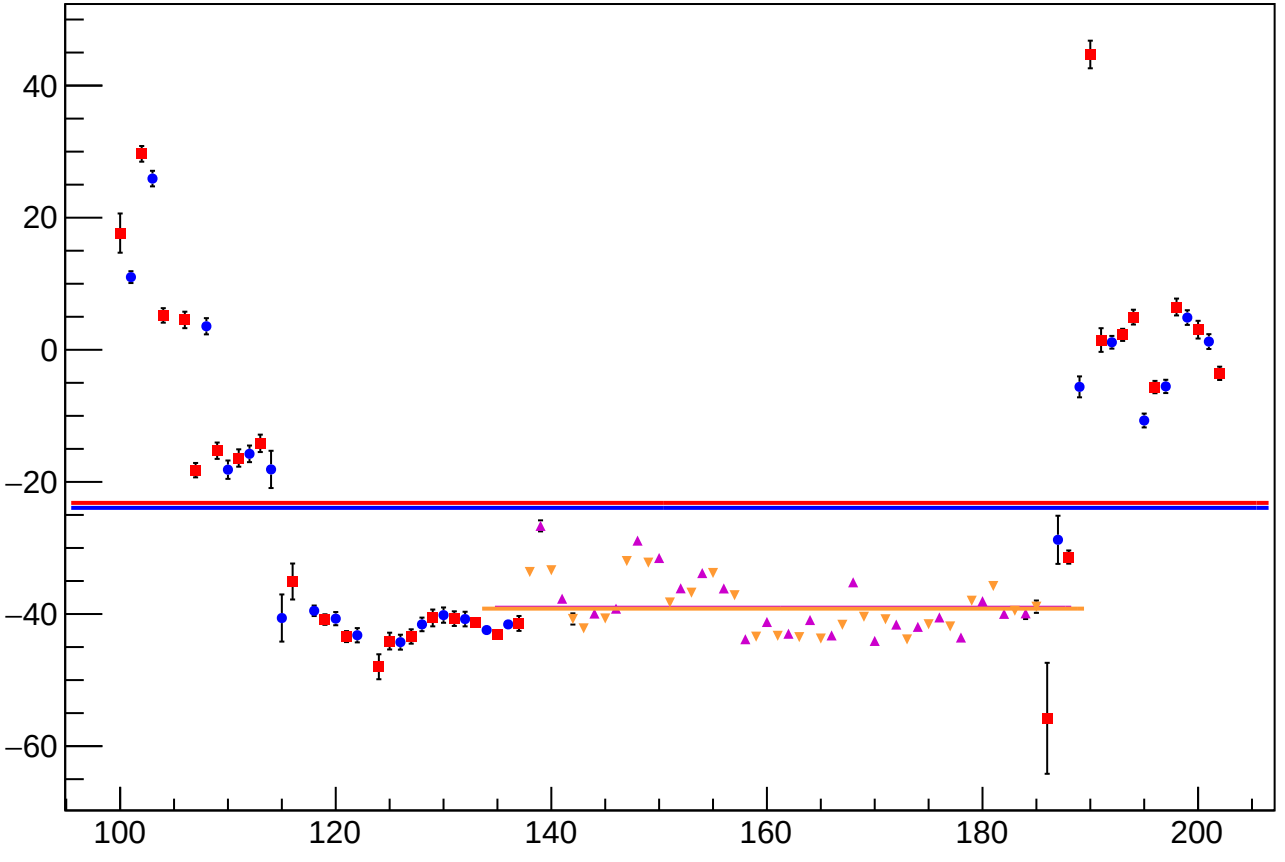
In: -59.649+/-0.096 χ^2/NDF:10898.5/45

Out: -59.642+/-0.091 χ^2/NDF:13815.9/53

All: -59.645+/-0.066 χ^2/NDF: 24714.4/99


reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: -5.831+/-0.183 χ²/NDF: 117.9/22
Left Out: -10.034+/-0.136 χ²/NDF:1182.4/24
Right Out: -5.541+/-0.161 χ²/NDF: 326.2/28
Left In: -10.184+/-0.139 χ²/NDF:1142.6/22
Left: -10.107+/-0.097 χ²/NDF: 2325.6/47
Right: -5.667+/-0.121 χ²/NDF: 445.5/51
In: -8.594+/-0.111 χ²/NDF:1618.0/45
Out: -8.159+/-0.104 χ²/NDF:1962.7/53
All: -8.363+/-0.076 χ²/NDF: 3588.9/99

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -23.927+/-0.218 χ^2/NDF: 10133.8/22

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -23.176+/-0.202 χ^2/NDF: 12453.4/28

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

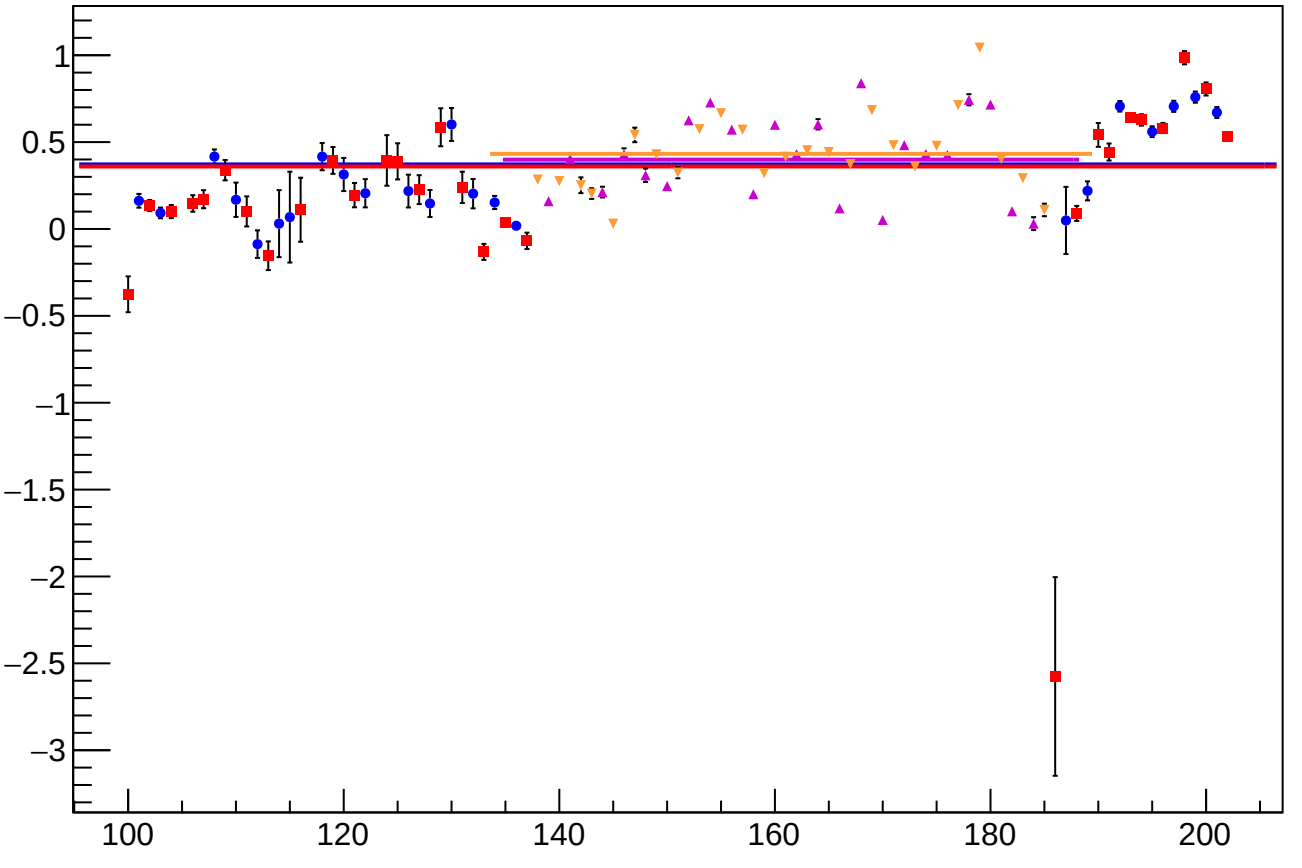
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -23.523+/-0.148 χ^2/NDF: 22593.6/51

In: -35.327+/-0.108 χ^2/NDF:15000.7/45

Out: -35.004+/-0.103 χ^2/NDF:18132.8/53

All: -35.158+/-0.075 χ^2/NDF: 33138.2/99



Right In: 0.372+/-0.009 χ^2/NDF: 995.9/22

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.360+/-0.009 χ^2/NDF: 1345.1/28

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

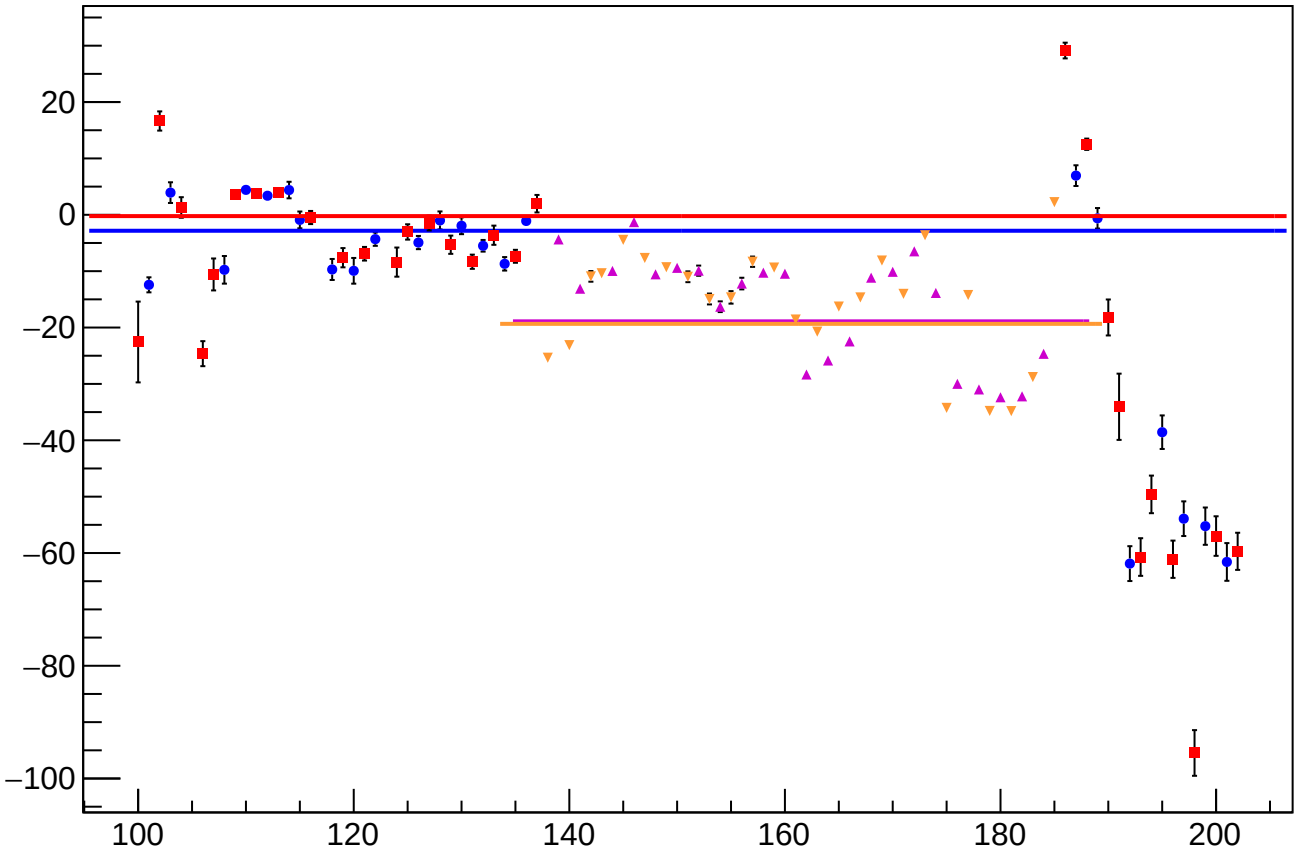
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.365+/-0.006 χ^2/NDF: 2341.9/51

In: 0.392+/-0.005 χ^2/NDF:2926.3/45

Out: 0.412+/-0.005 χ^2/NDF:2765.7/53

All: 0.402+/-0.003 χ^2/NDF: 5701.8/99



Right In: -2.831+/-0.269 χ^2/NDF: 1744.2/22

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.231+/-0.248 χ^2/NDF: 3219.8/28

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

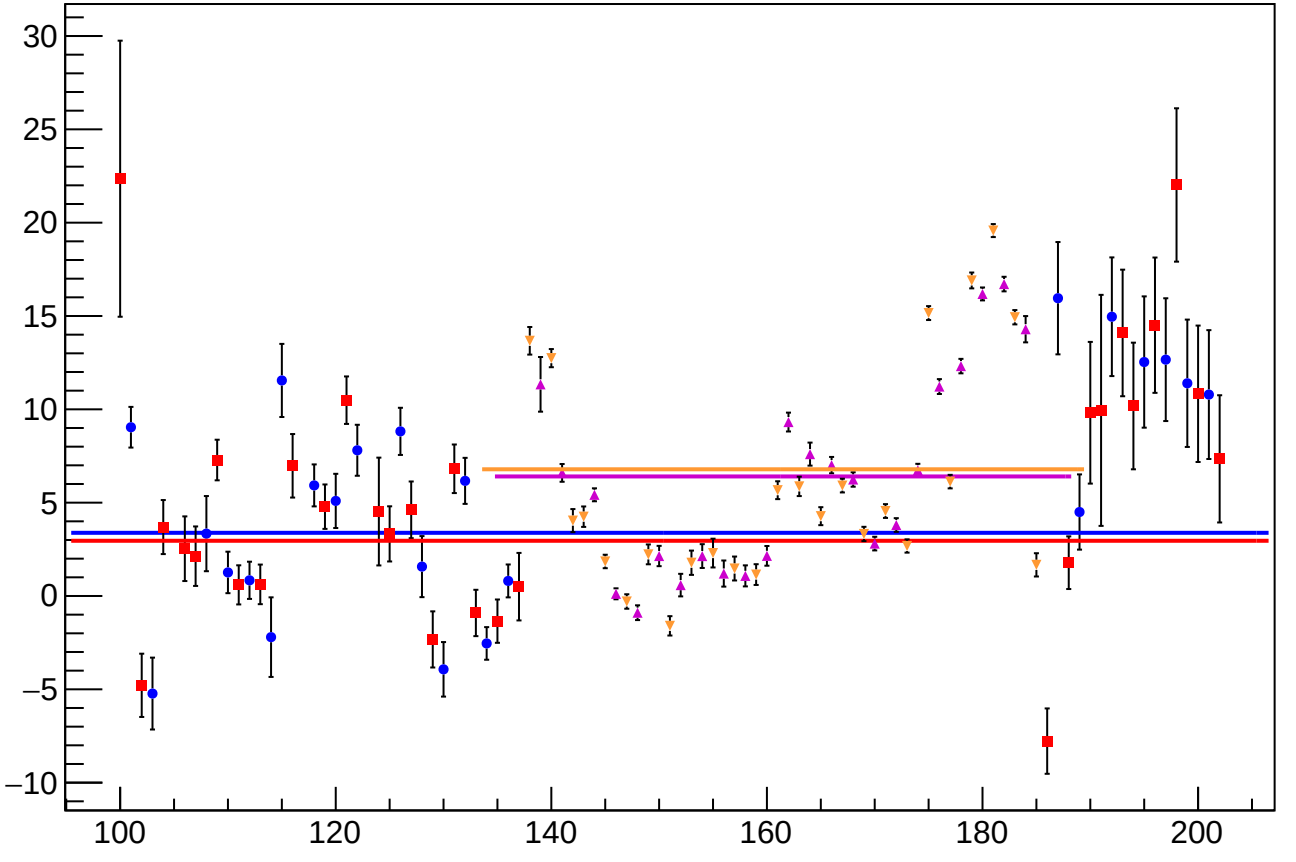
Right: -1.425+/-0.182 χ^2/NDF: 5014.5/51

In: -16.379+/-0.107 χ^2/NDF:13036.1/45

Out: -16.044+/-0.103 χ^2/NDF:18527.9/53

All: -16.206+/-0.074 χ^2/NDF: 31569.1/99

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.385+/-0.302 χ^2/NDF: 258.6/22

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.958+/-0.301 χ^2/NDF: 241.2/28

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

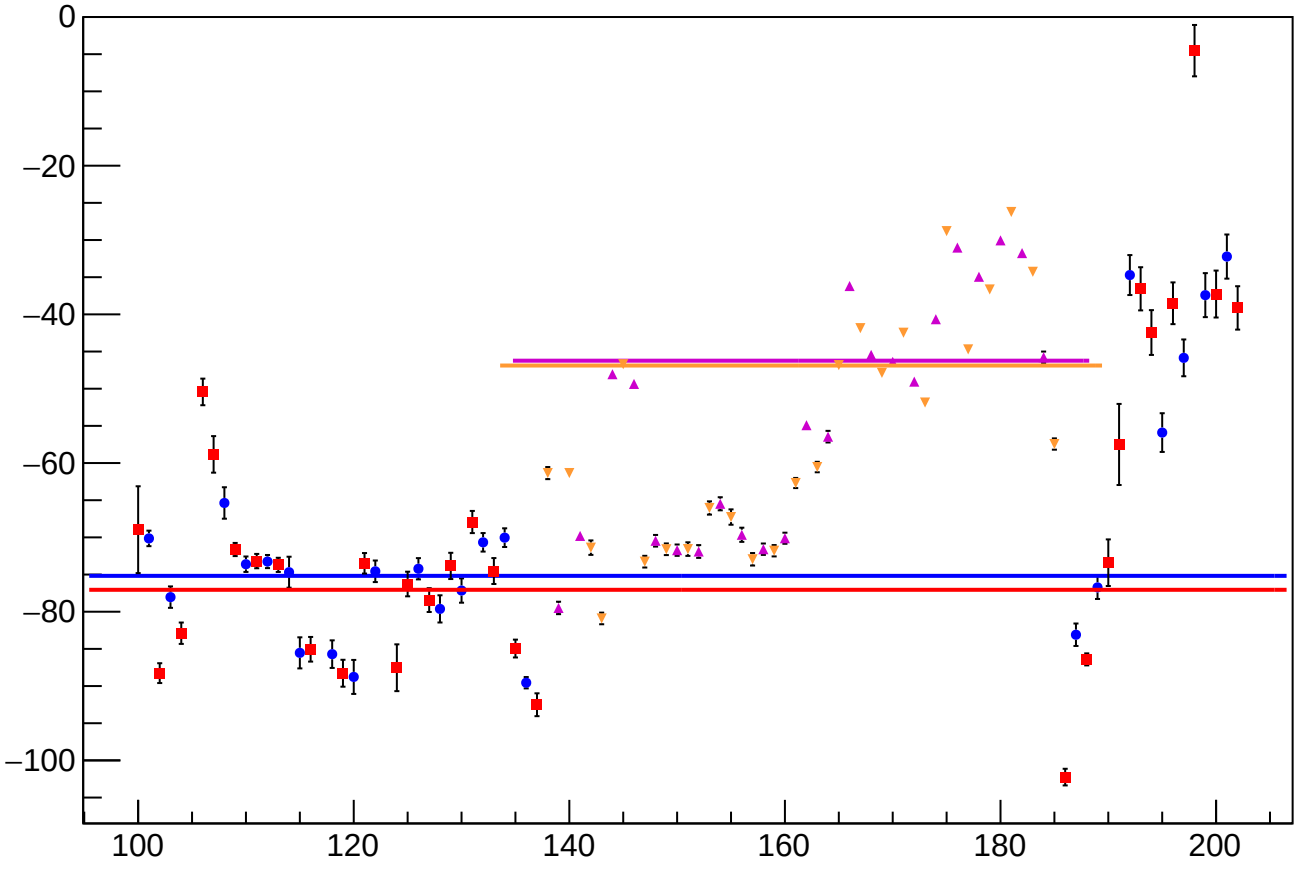
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.171+/-0.213 χ^2/NDF: 500.8/51

In: 6.152+/-0.087 χ^2/NDF:3760.8/45

Out: 6.473+/-0.086 χ^2/NDF:5022.1/53

All: 6.314+/-0.061 χ^2/NDF: 8789.7/99



Right In: -75.175+/-0.303 χ^2/NDF: 1361.1/22

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -77.053+/-0.284 χ^2/NDF: 2636.1/28

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

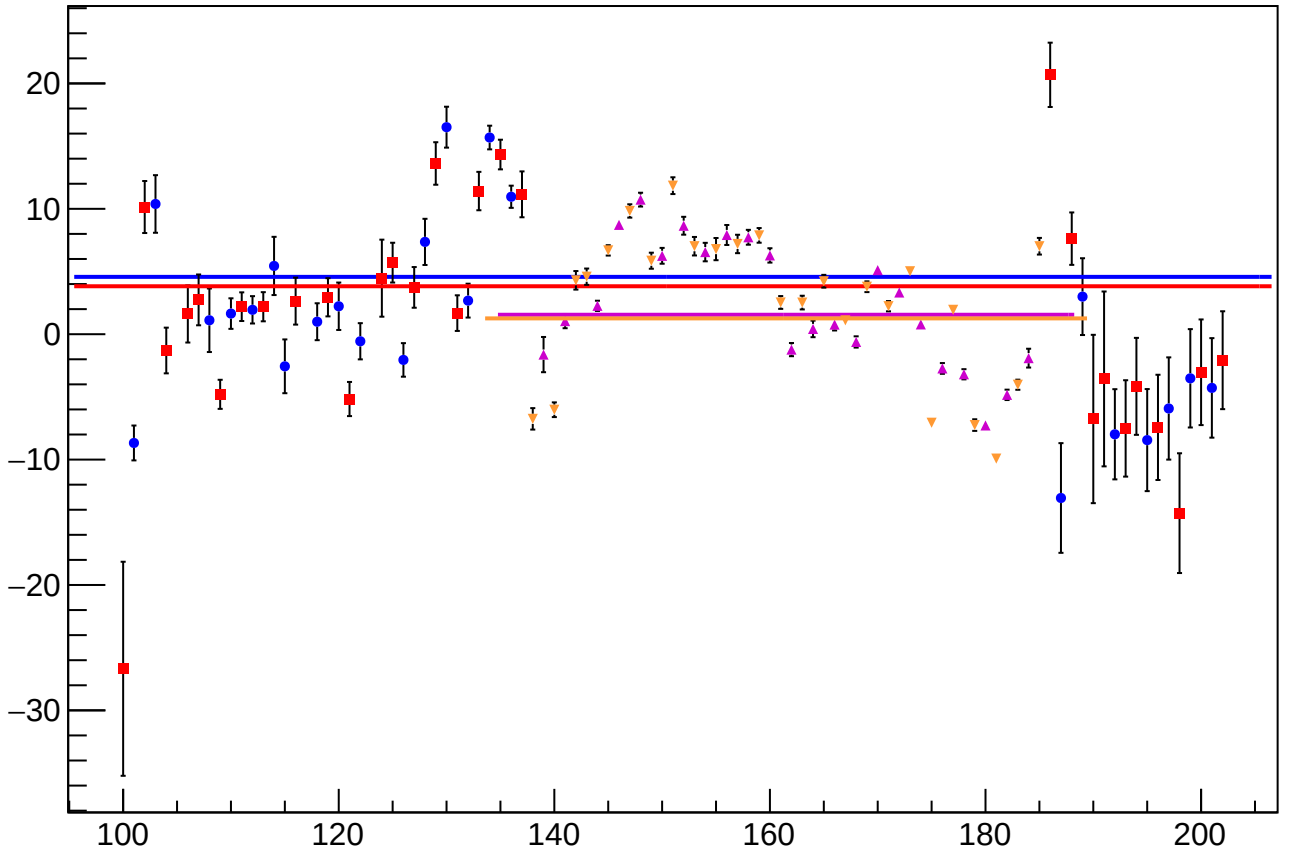
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.173+/-0.207 χ^2/NDF: 4017.7/51

In: -49.954+/-0.109 χ^2/NDF:24502.3/45

Out: -51.060+/-0.106 χ^2/NDF:30324.5/53

All: -50.521+/-0.076 χ^2/NDF: 54880.1/99



Right In: 4.574+/-0.340 χ^2/NDF: 469.7/22

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.824+/-0.344 χ^2/NDF: 381.1/28

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

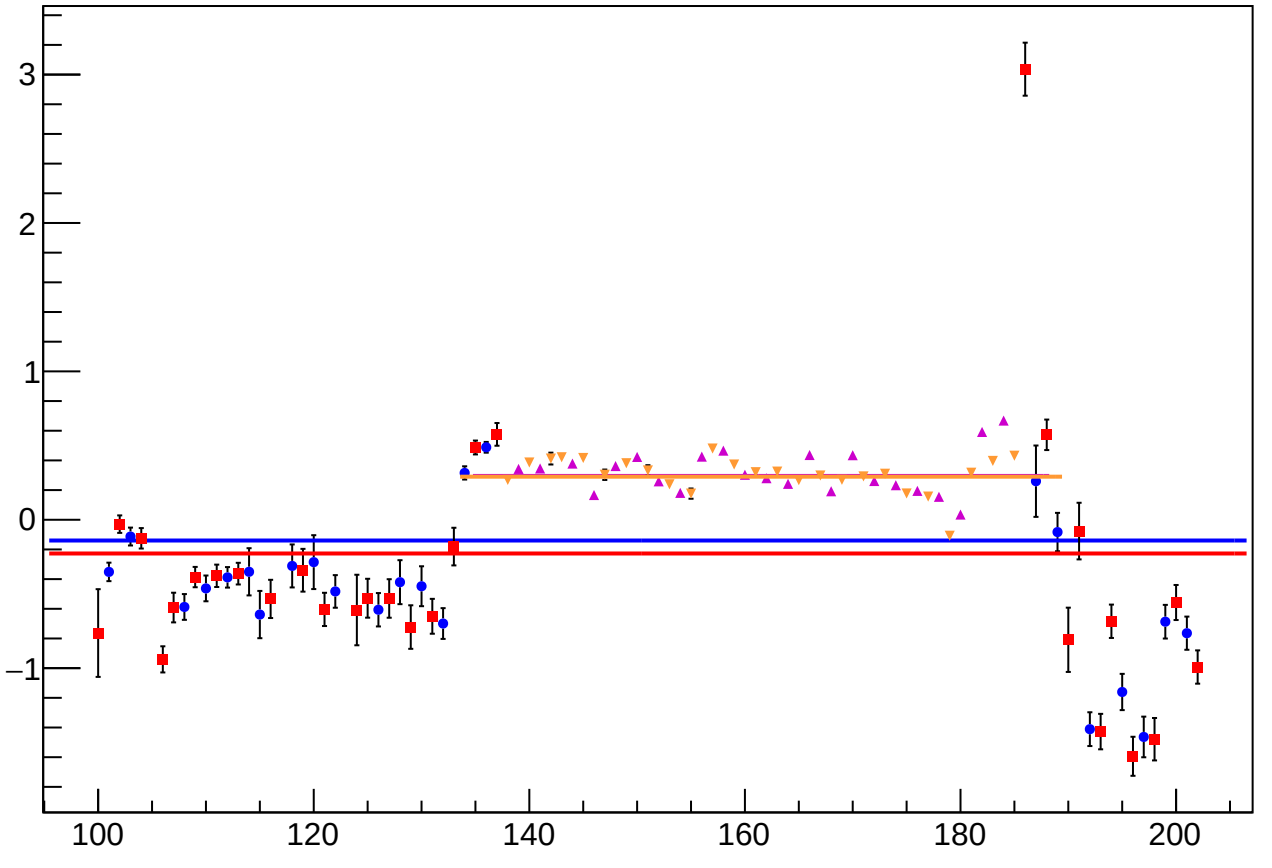
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.204+/-0.242 χ^2/NDF: 853.2/51

In: 1.801+/-0.098 χ^2/NDF:2878.0/45

Out: 1.462+/-0.096 χ^2/NDF:3877.8/53

All: 1.629+/-0.069 χ^2/NDF: 6761.8/99



Right In: -0.140+/-0.018 χ^2/NDF: 894.5/22

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.227+/-0.018 χ^2/NDF: 1265.9/28

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

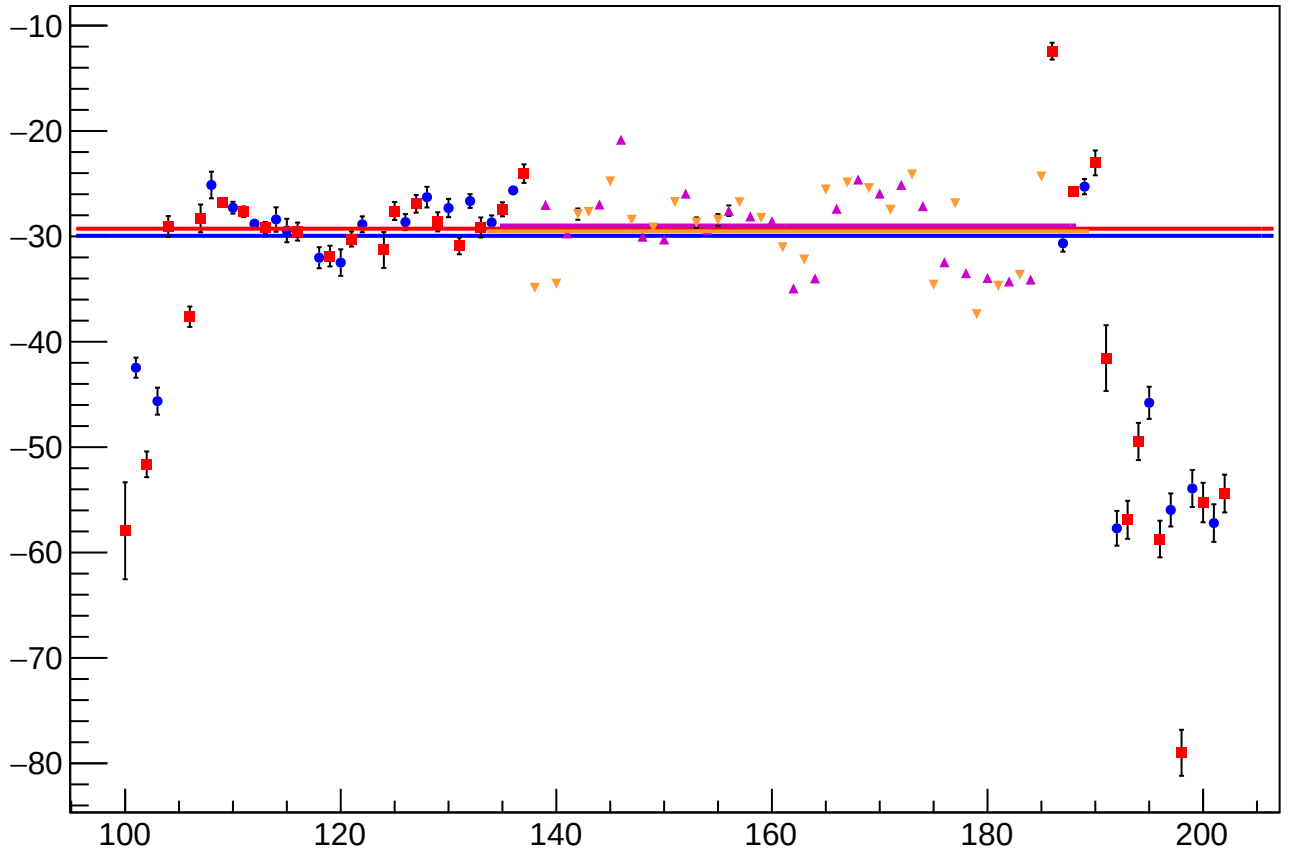
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

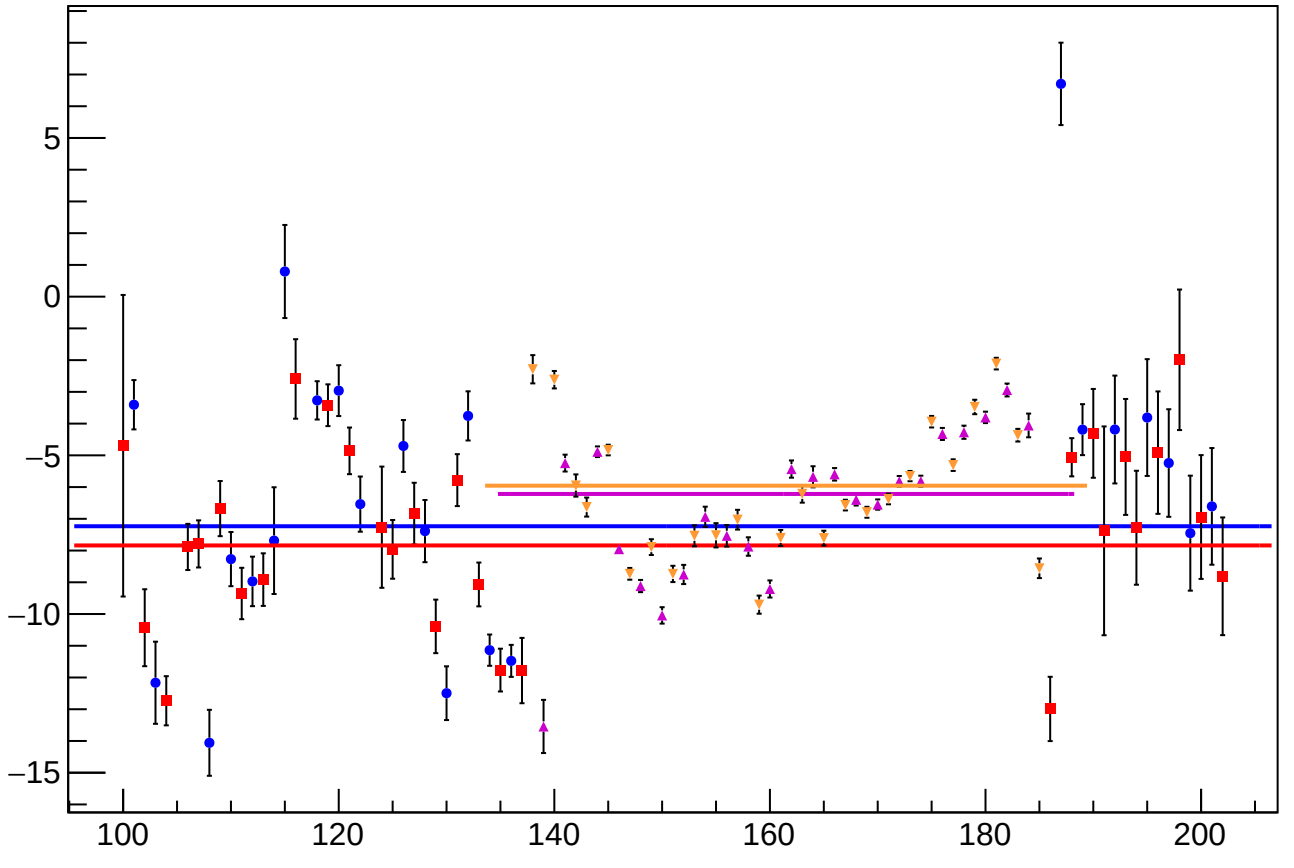
Right: -0.182+/-0.013 χ^2/NDF: 2172.3/51

In: 0.268+/-0.004 χ^2/NDF:2501.1/45

Out: 0.261+/-0.004 χ^2/NDF:2750.5/53

All: 0.264+/-0.003 χ^2/NDF: 5253.0/99


reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
100
120
140
160
180
200
Right In: -29.948+/-0.171 χ²/NDF: 1660.2/22
Left Out: -29.516+/-0.056 χ²/NDF:6088.5/24
Right Out: -29.272+/-0.159 χ²/NDF: 2671.9/28
Left In: -28.971+/-0.057 χ²/NDF:5348.6/22
Left: -29.247+/-0.040 χ²/NDF: 11483.3/47
Right: -29.585+/-0.116 χ²/NDF: 4340.5/51
In: -29.069+/-0.054 χ²/NDF:7038.2/45
Out: -29.489+/-0.053 χ²/NDF:8762.5/53
All: -29.283+/-0.038 χ²/NDF: 15831.4/99



Right In: -7.234+/-0.182 χ^2/NDF: 530.6/22

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.839+/-0.177 χ^2/NDF: 265.3/28

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

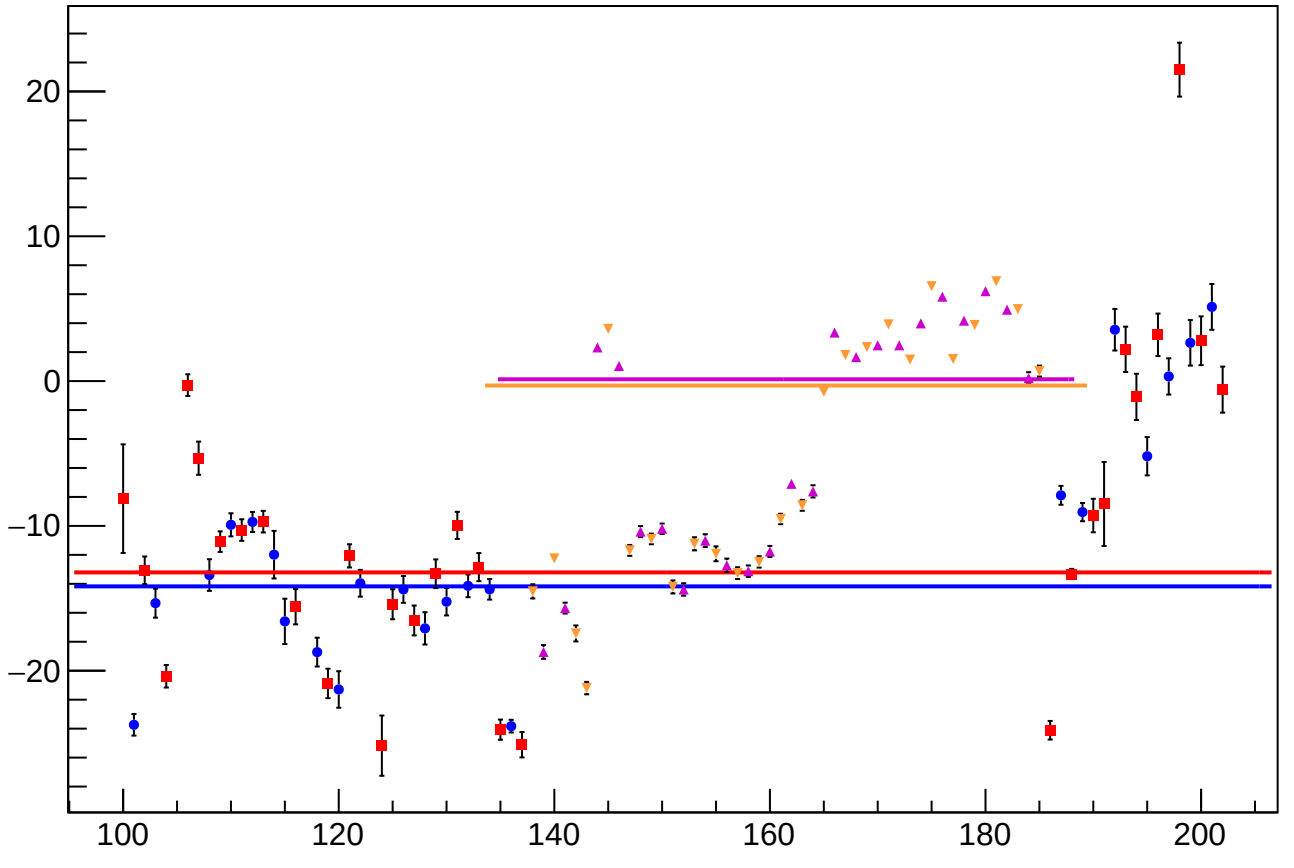
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.545+/-0.127 χ^2/NDF: 801.5/51

In: -6.273+/-0.043 χ^2/NDF:2301.7/45

Out: -6.067+/-0.043 χ^2/NDF:2229.3/53

All: -6.171+/-0.030 χ^2/NDF: 4542.4/99



Right In: -14.176+/-0.182 χ^2/NDF: 1542.2/22

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.212+/-0.166 χ^2/NDF: 2111.0/28

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

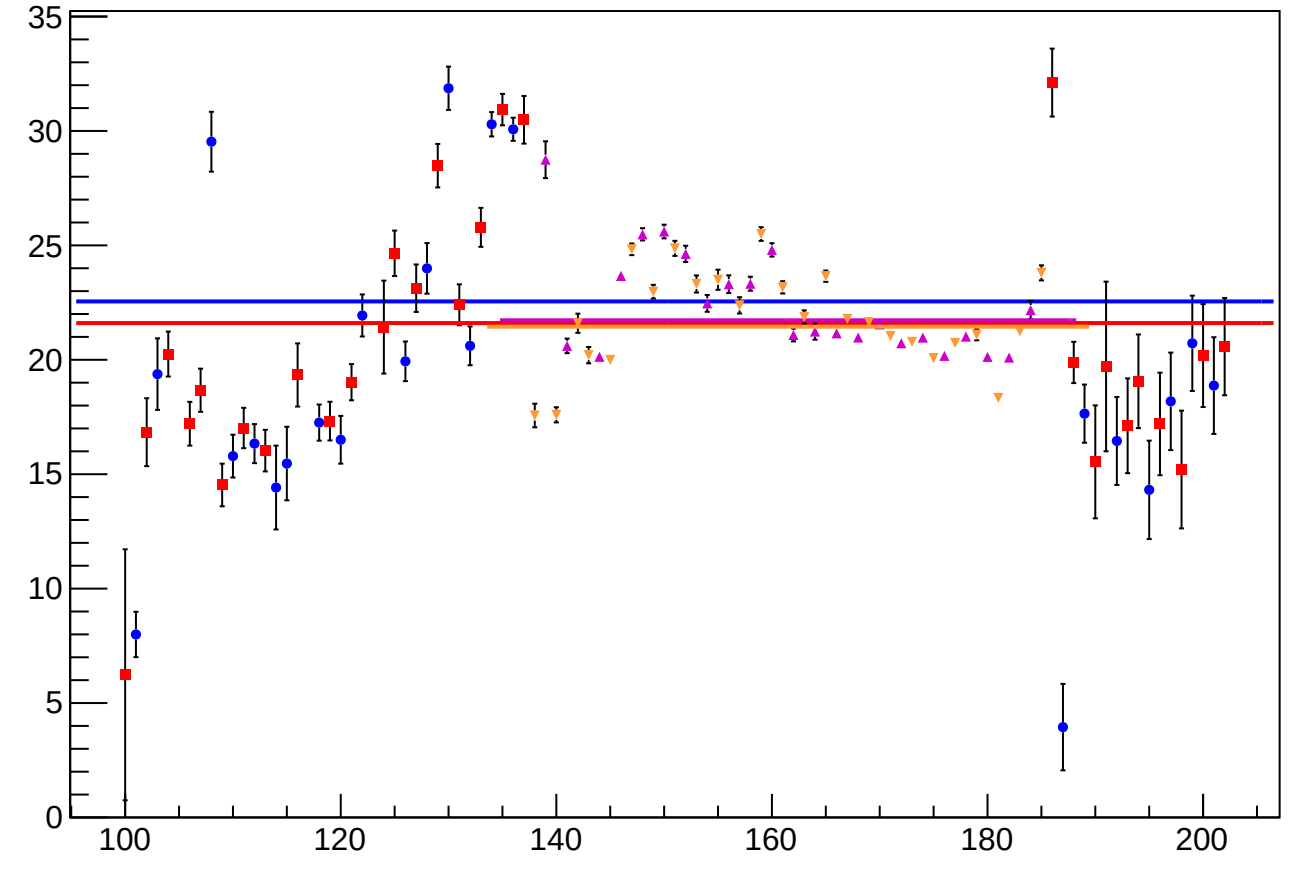
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -13.648+/-0.123 χ^2/NDF: 3668.5/51

In: -1.152+/-0.054 χ^2/NDF:21001.1/45

Out: -1.654+/-0.054 χ^2/NDF:24729.8/53

All: -1.407+/-0.038 χ^2/NDF: 45774.1/99



Right In: 22.550+/-0.208 χ^2/NDF: 1162.1/22

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.606+/-0.208 χ^2/NDF: 635.5/28

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

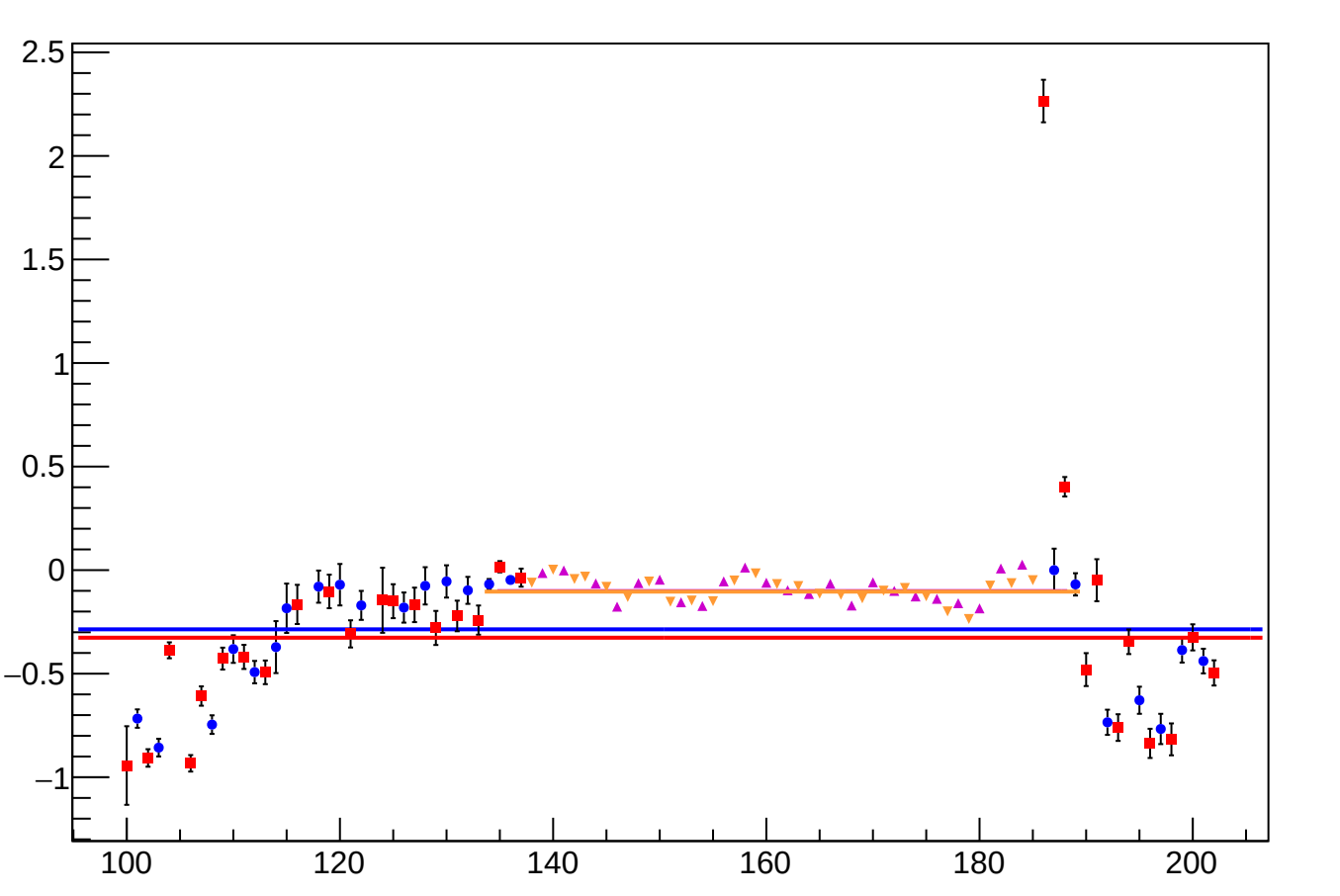
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.079+/-0.147 χ^2/NDF: 1807.9/51

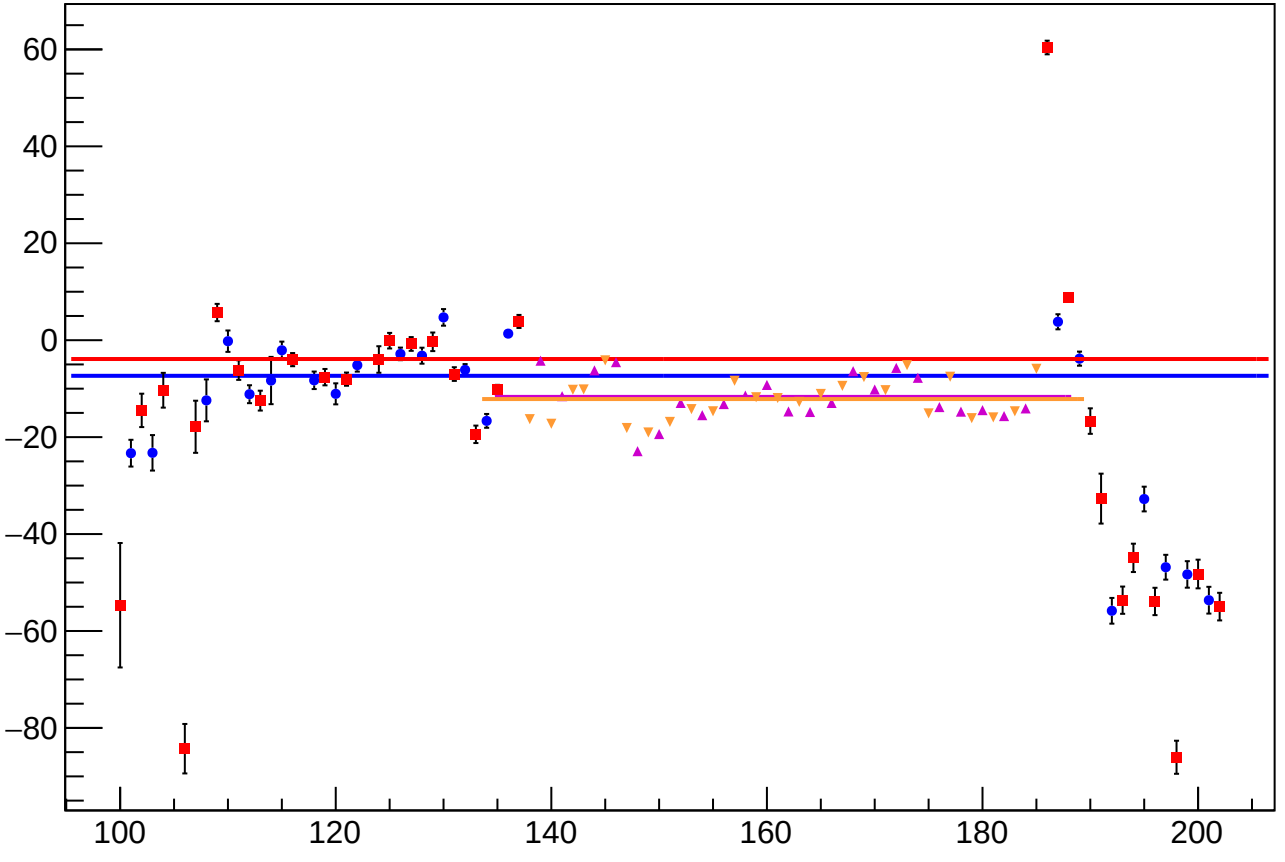
In: 21.770+/-0.048 χ^2/NDF:2350.6/45

Out: 21.455+/-0.048 χ^2/NDF:1961.3/53

All: 21.612+/-0.034 χ^2/NDF: 4333.2/99


reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.286+/-0.011 χ2/NDF: 801.1/22
Left Out: -0.104+/-0.002 χ2/NDF:547.4/24
Right Out: -0.326+/-0.011 χ2/NDF: 1747.8/28
Left In: -0.101+/-0.002 χ2/NDF:757.6/22
Left: -0.103+/-0.002 χ2/NDF: 1305.7/47
Right: -0.306+/-0.007 χ2/NDF: 2556.1/51
In: -0.109+/-0.002 χ2/NDF:1853.5/45
Out: -0.113+/-0.002 χ2/NDF:2712.0/53
All: -0.111+/-0.002 χ2/NDF: 4566.9/99

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.347+/-0.344 χ^2/NDF: 1593.0/22

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -3.881+/-0.336 χ^2/NDF: 4827.1/28

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

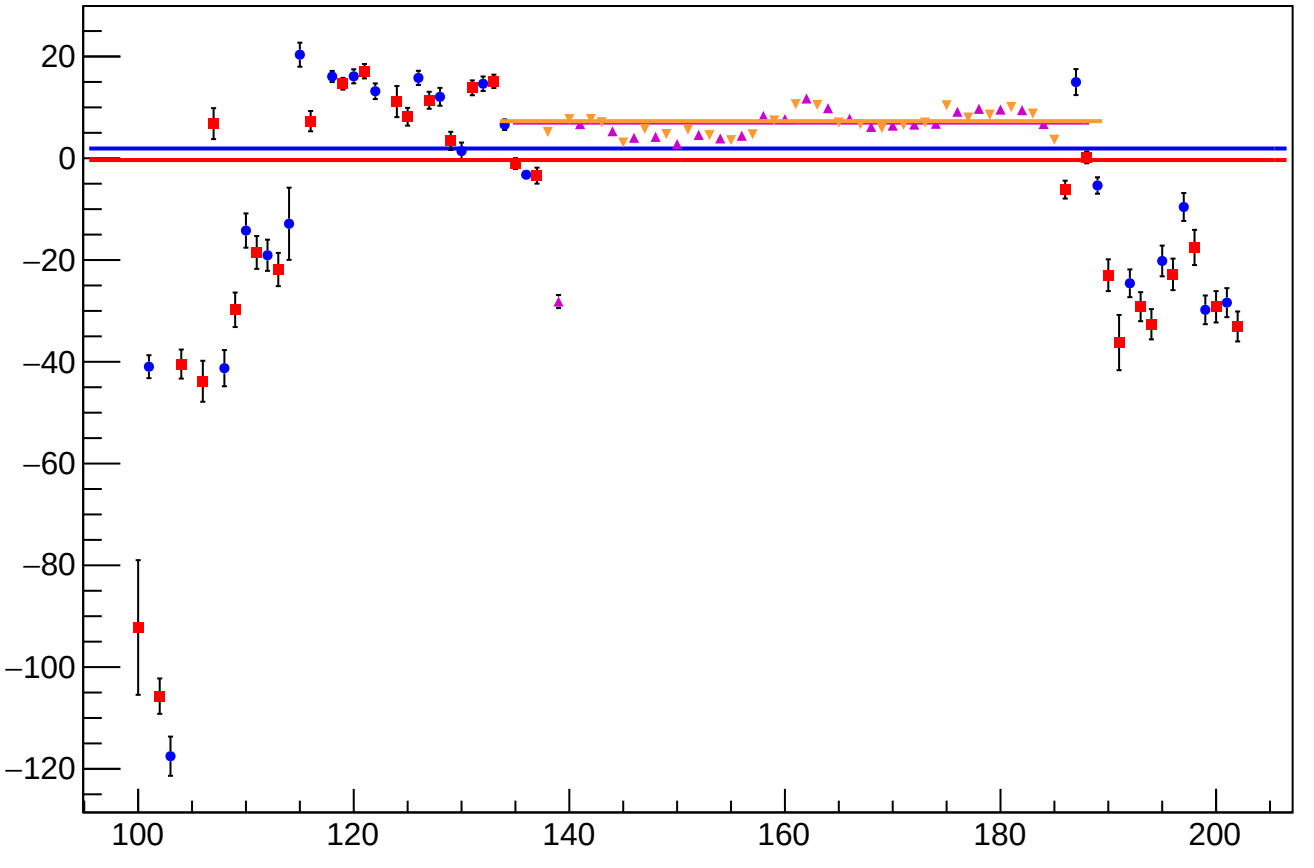
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.572+/-0.240 χ^2/NDF: 6472.2/51

In: -11.394+/-0.091 χ^2/NDF:3693.0/45

Out: -11.571+/-0.088 χ^2/NDF:7521.7/53

All: -11.485+/-0.063 χ^2/NDF: 11216.6/99



Right In: 1.917+/-0.356 χ^2/NDF: 2658.4/22

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -0.351+/-0.366 χ^2/NDF: 2714.5/28

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

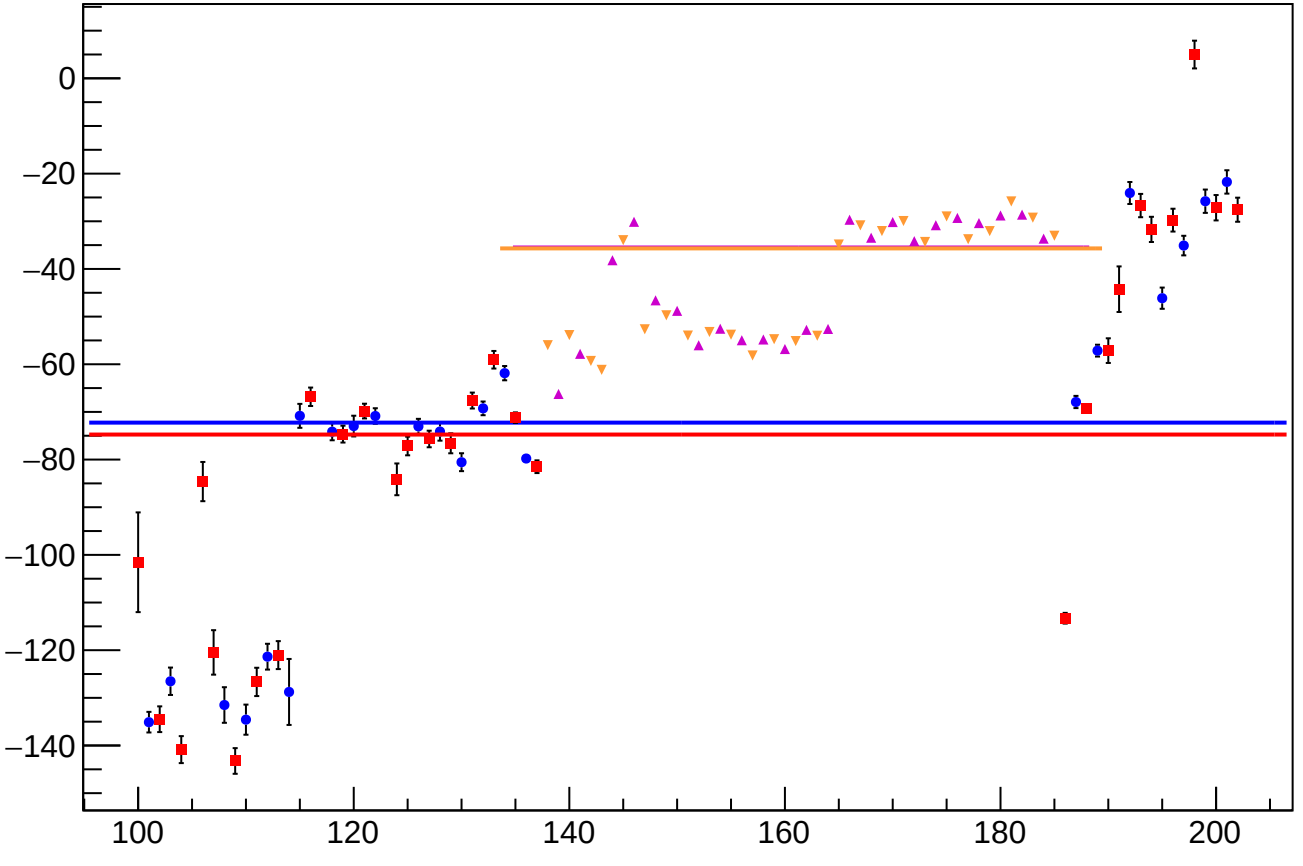
Right: 0.816+/-0.255 χ^2/NDF: 5392.7/51

In: 6.782+/-0.074 χ^2/NDF:4430.1/45

Out: 6.989+/-0.073 χ^2/NDF:3956.0/53

All: 6.887+/-0.052 χ^2/NDF: 8390.1/99

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.248+/-0.354 χ^2/NDF: 4280.1/22

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -74.750+/-0.336 χ^2/NDF: 6261.5/28

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

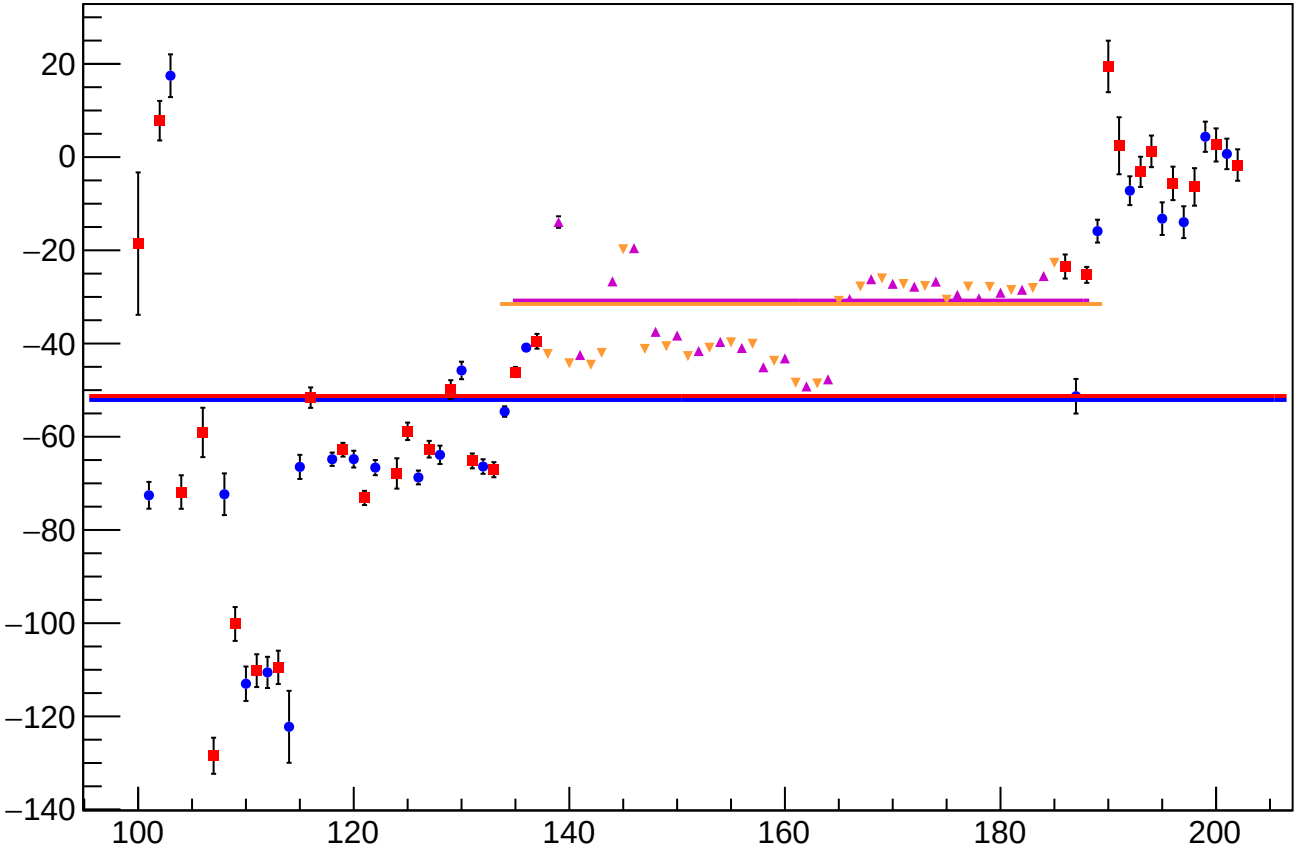
Right: -73.565+/-0.244 χ^2/NDF: 10567.9/51

In: -37.943+/-0.091 χ^2/NDF:25492.5/45

Out: -38.429+/-0.089 χ^2/NDF:31615.2/53

All: -38.193+/-0.064 χ^2/NDF: 57122.2/99

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -52.101+/-0.401 χ^2/NDF: 2904.7/22

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -51.259+/-0.424 χ^2/NDF: 3735.3/28

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

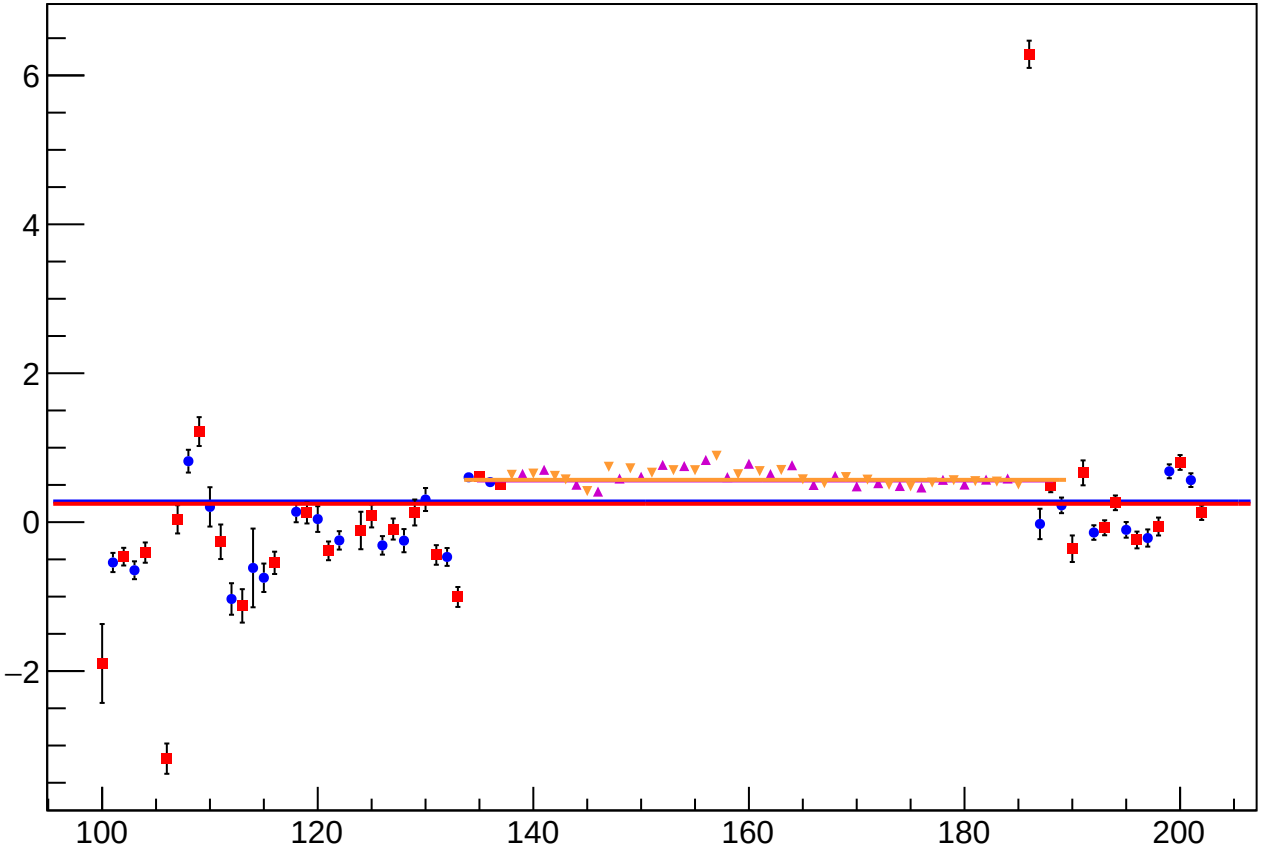
Right: -51.703+/-0.291 χ^2/NDF: 6642.1/51

In: -31.691+/-0.083 χ^2/NDF:13157.7/45

Out: -32.245+/-0.081 χ^2/NDF:14282.0/53

All: -31.972+/-0.058 χ^2/NDF: 27462.6/99

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.278+/-0.020 χ^2/NDF: 456.2/22

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.247+/-0.021 χ^2/NDF: 1874.7/28

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

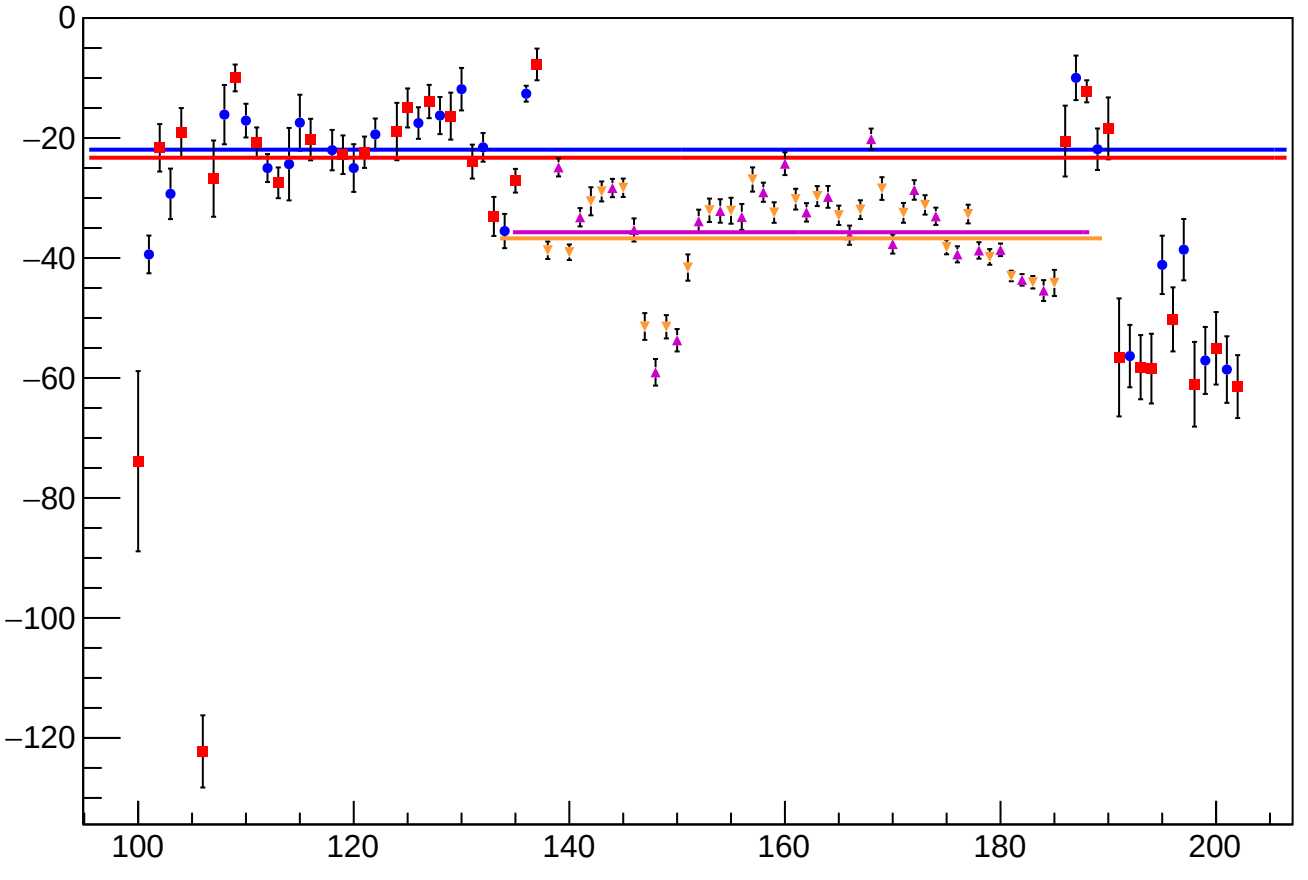
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.263+/-0.015 χ^2/NDF: 2332.0/51

In: 0.550+/-0.004 χ^2/NDF:1321.3/45

Out: 0.559+/-0.004 χ^2/NDF:2651.7/53

All: 0.555+/-0.003 χ^2/NDF: 3975.8/99



Right In: -21.945+/-0.644 χ^2/NDF: 292.6/22

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.287+/-0.630 χ^2/NDF: 655.4/28

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

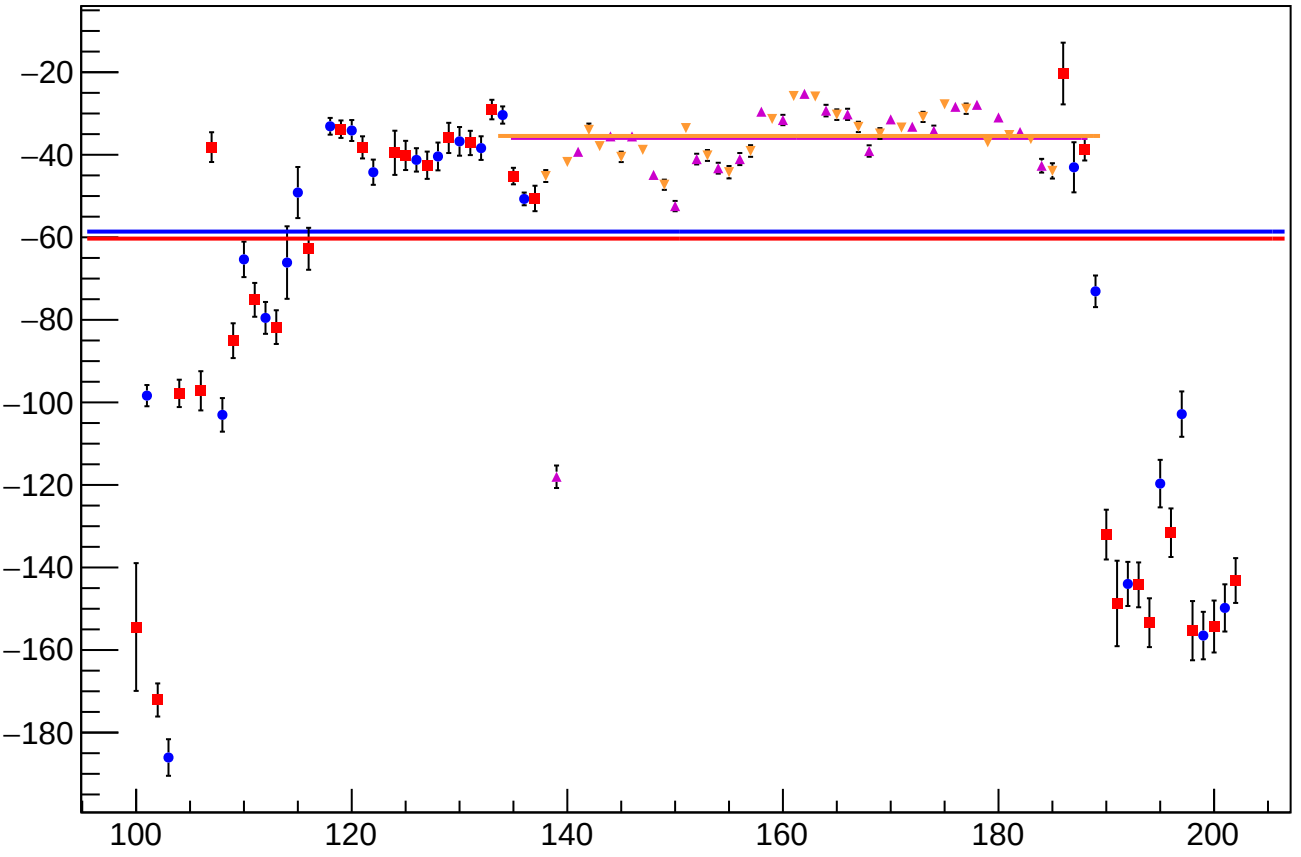
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -22.631+/-0.450 χ^2/NDF: 950.3/51

In: -32.939+/-0.289 χ^2/NDF:1235.8/45

Out: -34.103+/-0.278 χ^2/NDF:1442.3/53

All: -33.543+/-0.200 χ^2/NDF: 2686.5/99



Right In: -58.613+/-0.667 χ^2/NDF: 2854.3/22

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -60.313+/-0.681 χ^2/NDF: 3339.5/28

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

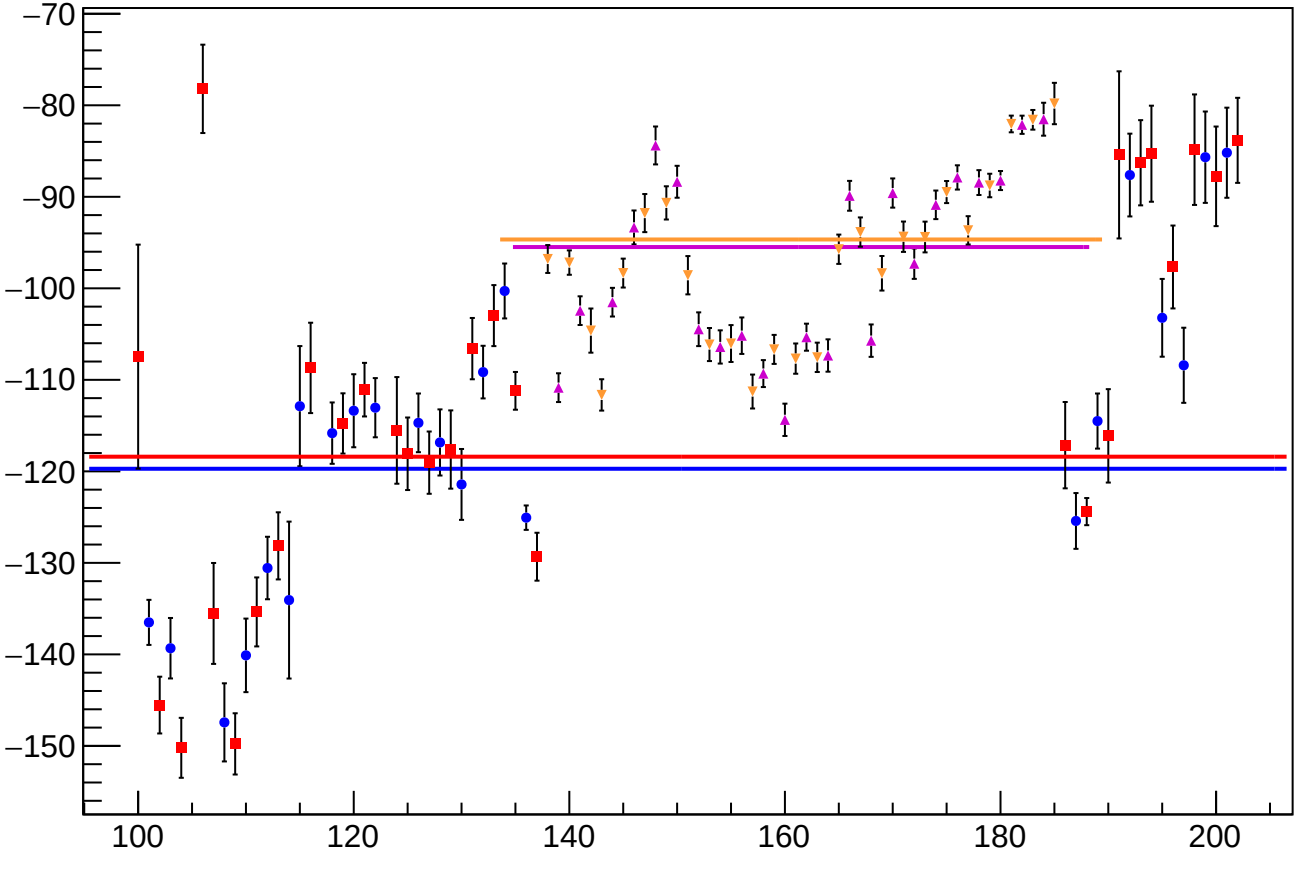
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -59.446+/-0.476 χ^2/NDF: 6197.0/51

In: -38.831+/-0.239 χ^2/NDF:5407.1/45

Out: -38.290+/-0.230 χ^2/NDF:5058.5/53

All: -38.551+/-0.166 χ^2/NDF: 10468.3/99



Right In: -119.717+/-0.668 χ^2/NDF: 421.7/22

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -118.398+/-0.653 χ^2/NDF: 696.9/28

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

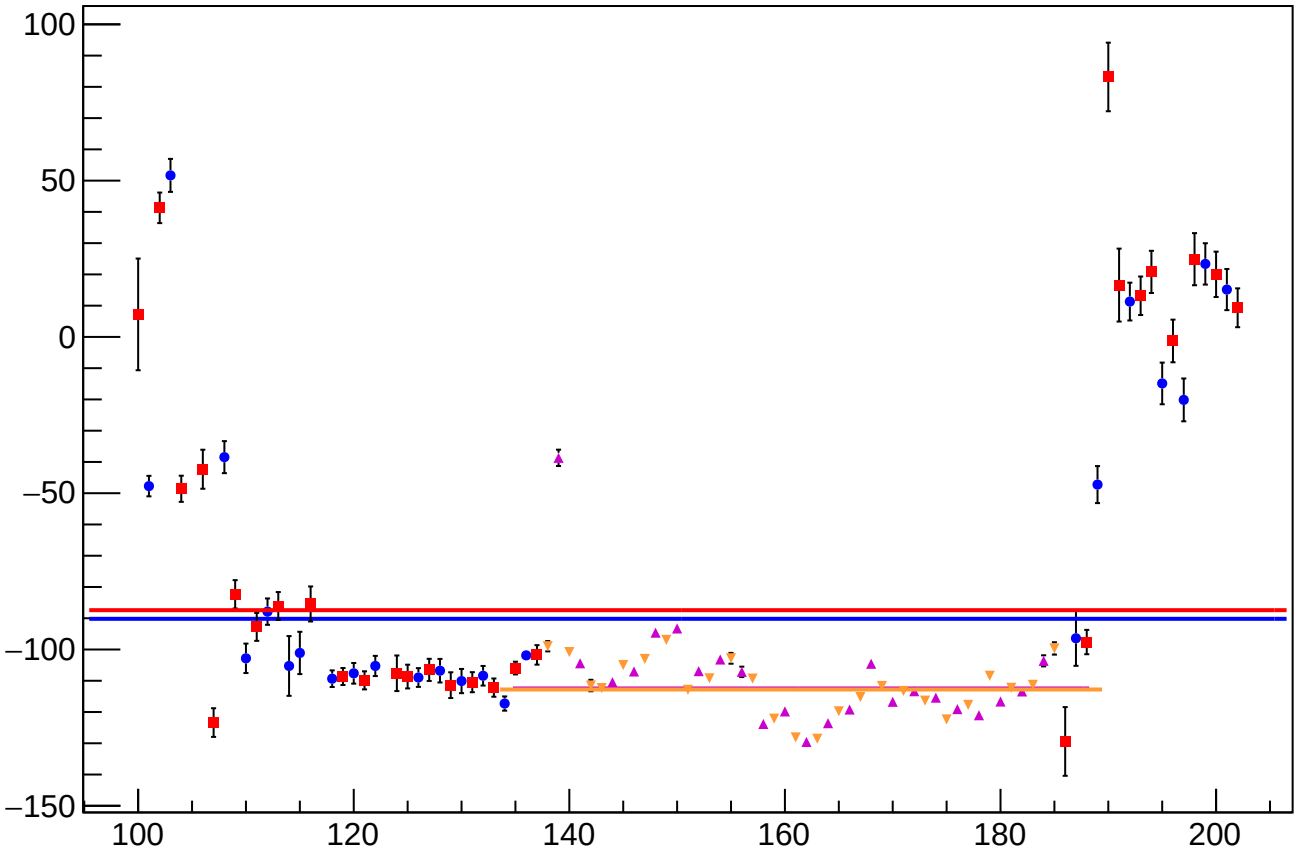
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -119.042+/-0.467 χ^2/NDF: 1120.5/51

In: -100.038+/-0.289 χ^2/NDF:2460.1/45

Out: -99.026+/-0.280 χ^2/NDF:2675.8/53

All: -99.515+/-0.201 χ^2/NDF: 5142.2/99



Right In: -90.183+/-0.756 χ^2/NDF: 2541.2/22

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -87.418+/-0.784 χ^2/NDF: 3049.0/28

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

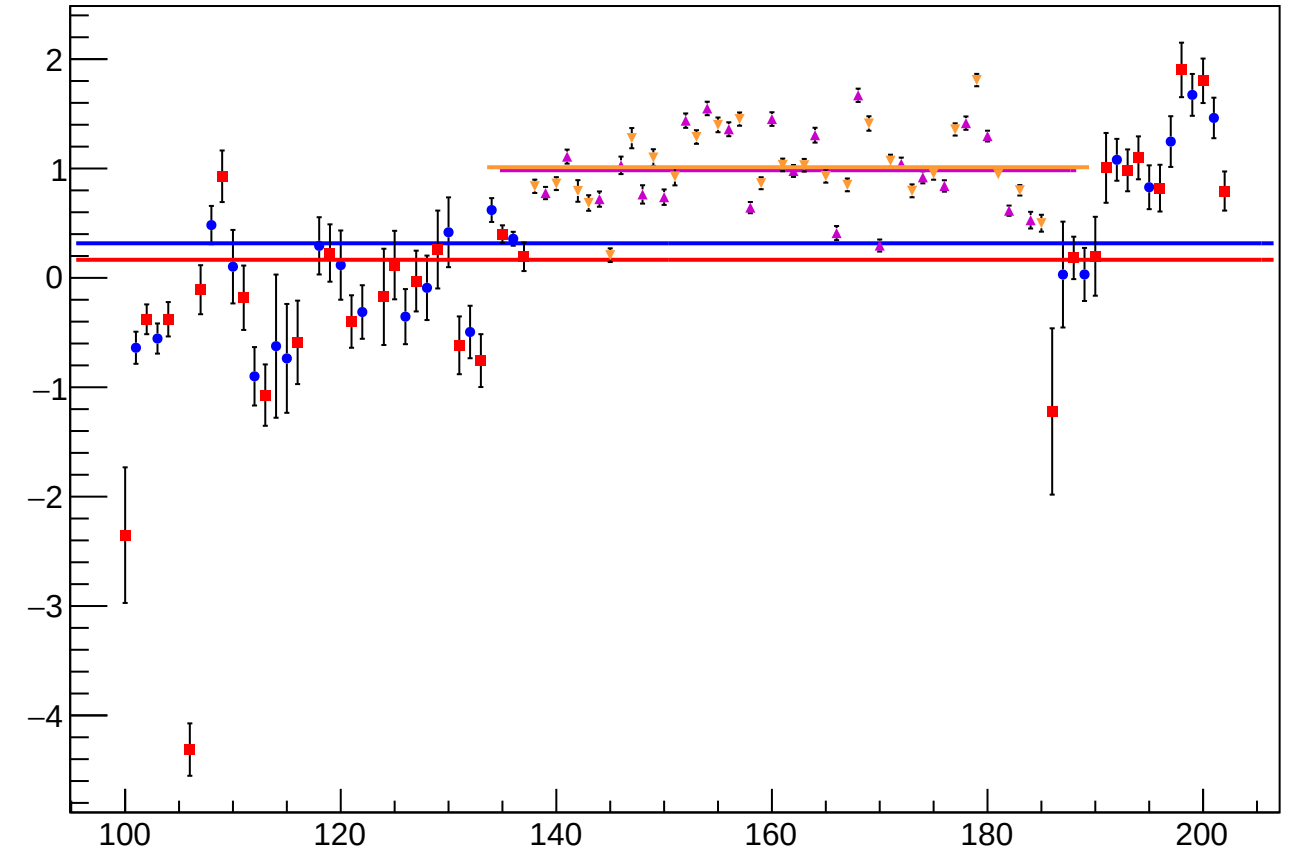
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

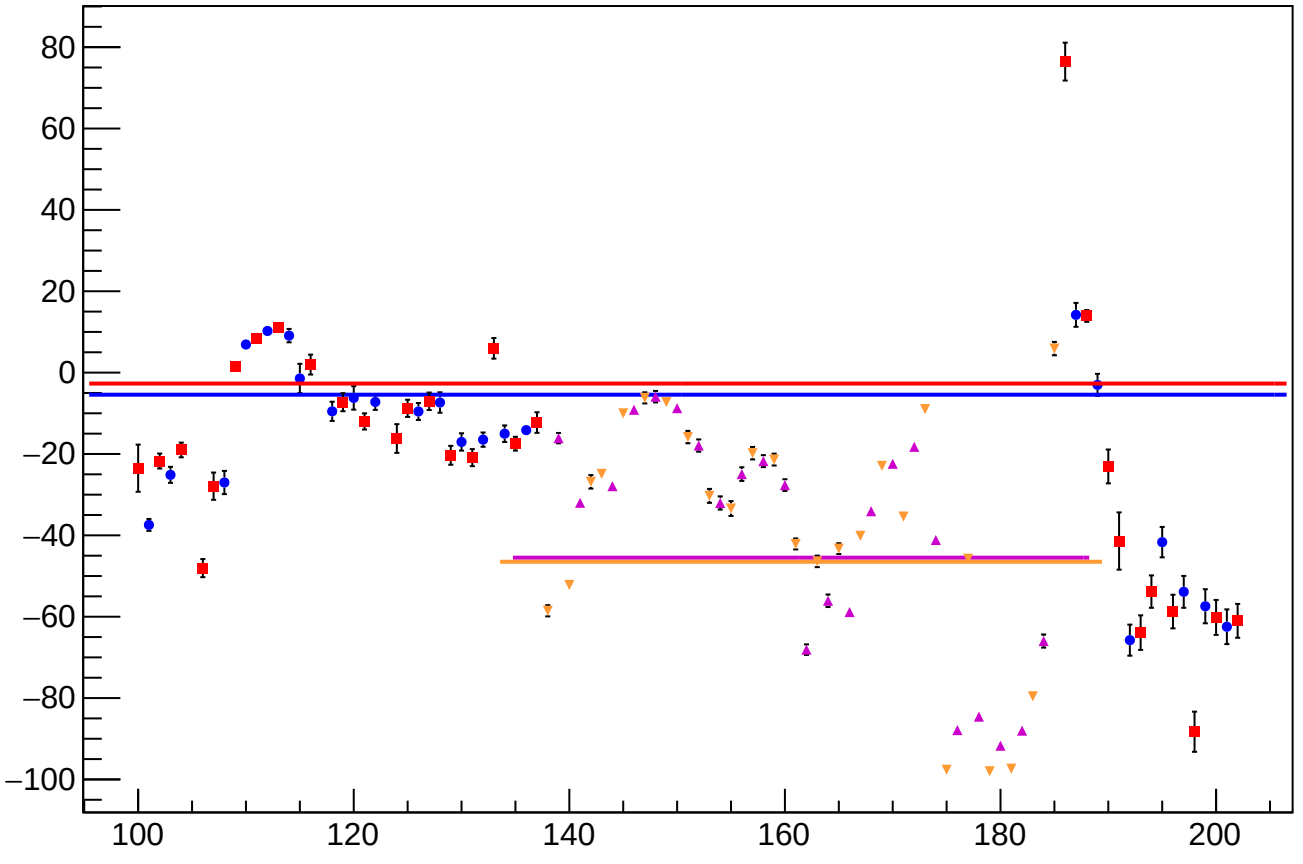
Right: -88.850+/-0.544 χ^2/NDF: 5596.7/51

In: -109.697+/-0.267 χ^2/NDF:5090.2/45

Out: -110.031+/-0.259 χ^2/NDF:4919.2/53

All: -109.869+/-0.186 χ^2/NDF: 10010.1/99


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.316+/-0.037 χ²/NDF: 275.4/22
Left Out: 1.012+/-0.012 χ²/NDF:691.2/24
Right Out: 0.165+/-0.038 χ²/NDF: 655.2/28
Left In: 0.984+/-0.013 χ²/NDF:900.0/22
Left: 0.998+/-0.009 χ²/NDF: 1593.6/47
Right: 0.243+/-0.026 χ²/NDF: 938.7/51
In: 0.915+/-0.012 χ²/NDF:1470.2/45
Out: 0.932+/-0.012 χ²/NDF:1793.6/53
All: 0.924+/-0.008 χ²/NDF: 3264.9/99



Right In: -5.427+/-0.362 χ^2/NDF: 2429.4/22

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -2.691+/-0.322 χ^2/NDF: 3244.5/28

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

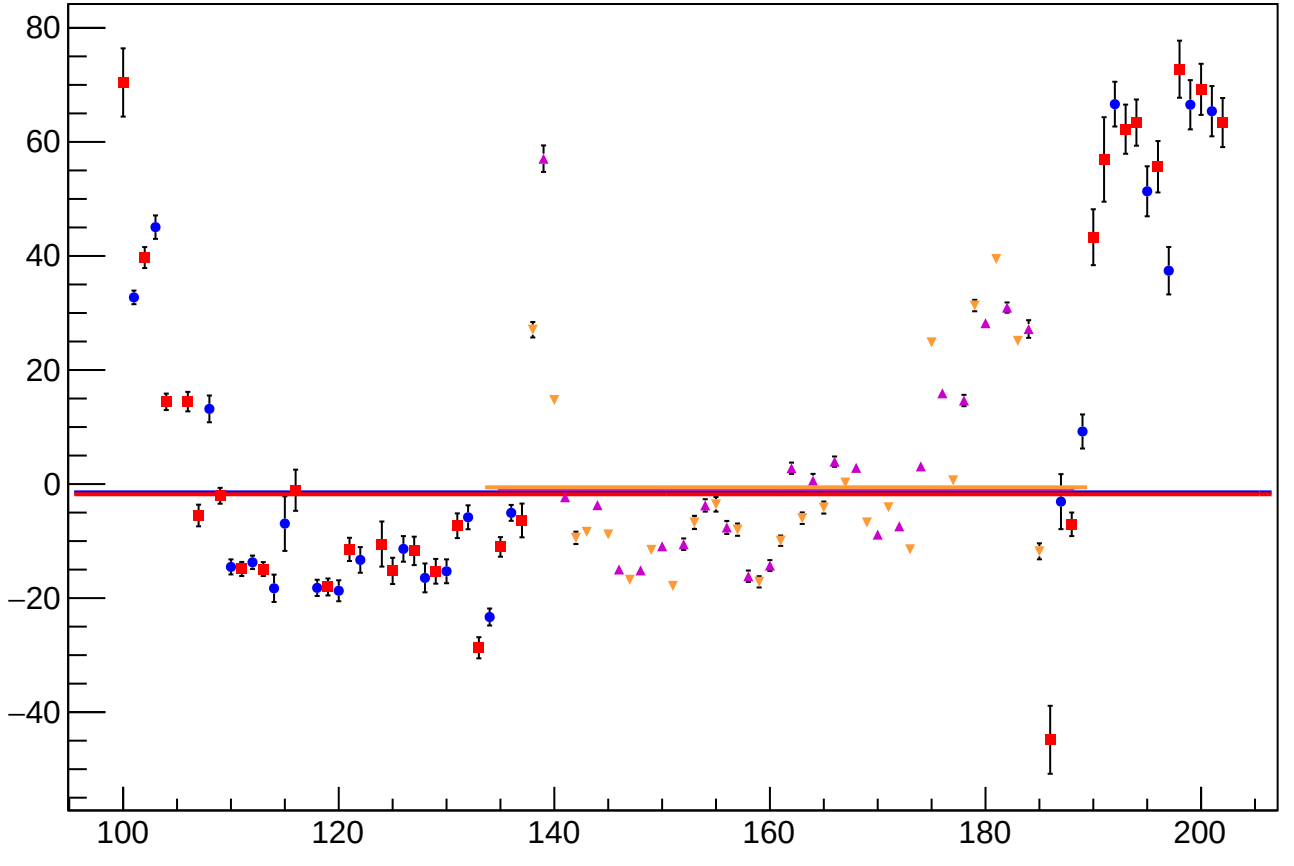
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -3.897+/-0.241 χ^2/NDF: 5705.7/51

In: -33.438+/-0.199 χ^2/NDF:26544.2/45

Out: -31.672+/-0.187 χ^2/NDF:35554.5/53

All: -32.502+/-0.136 χ^2/NDF: 62140.6/99



Right In: -1.458+/-0.414 χ^2/NDF: 3229.7/22

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -1.790+/-0.400 χ^2/NDF: 3135.4/28

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

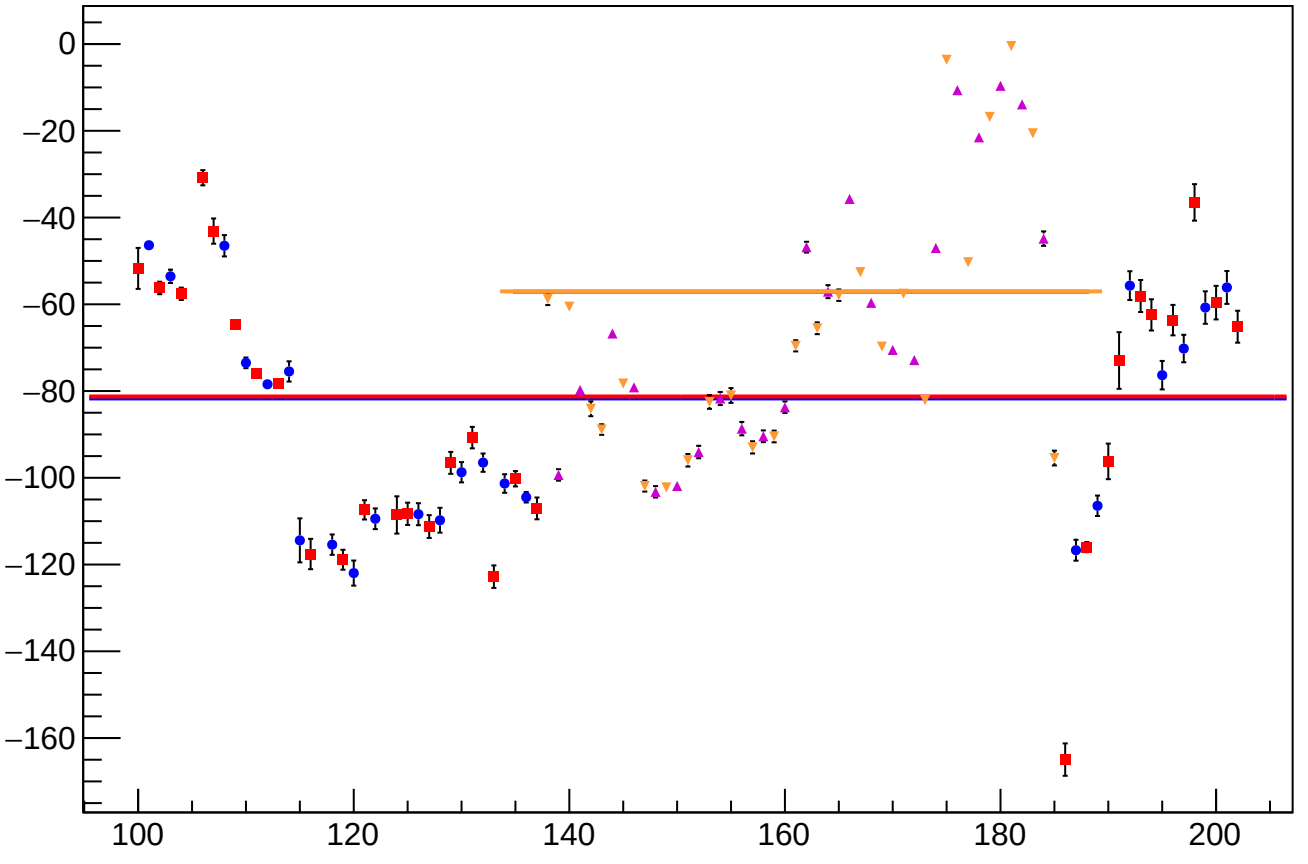
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -1.630+/-0.288 χ^2/NDF: 6365.5/51

In: -0.931+/-0.167 χ^2/NDF:9348.2/45

Out: -0.772+/-0.162 χ^2/NDF:11594.6/53

All: -0.849+/-0.116 χ^2/NDF: 20943.3/99



Right In: -81.705+/-0.409 χ^2/NDF: 3346.9/22

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.255+/-0.376 χ^2/NDF: 4869.3/28

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

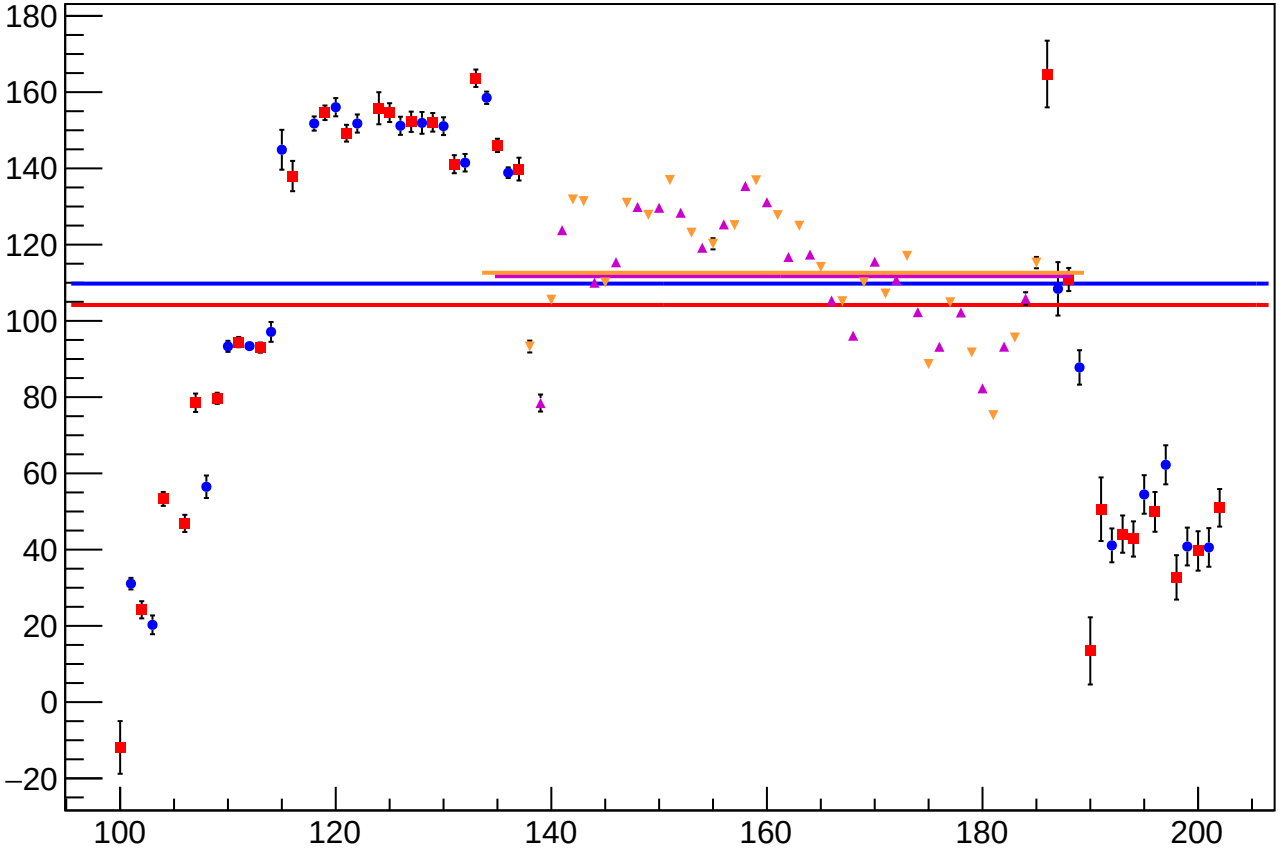
Right: -81.461+/-0.277 χ^2/NDF: 8216.9/51

In: -63.264+/-0.205 χ^2/NDF:23229.0/45

Out: -63.617+/-0.196 χ^2/NDF:28198.9/53

All: -63.448+/-0.142 χ^2/NDF: 51429.4/99

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 109.780+/-0.474 χ^2/NDF: 9100.0/22

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 104.176+/-0.460 χ^2/NDF: 8652.1/28

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

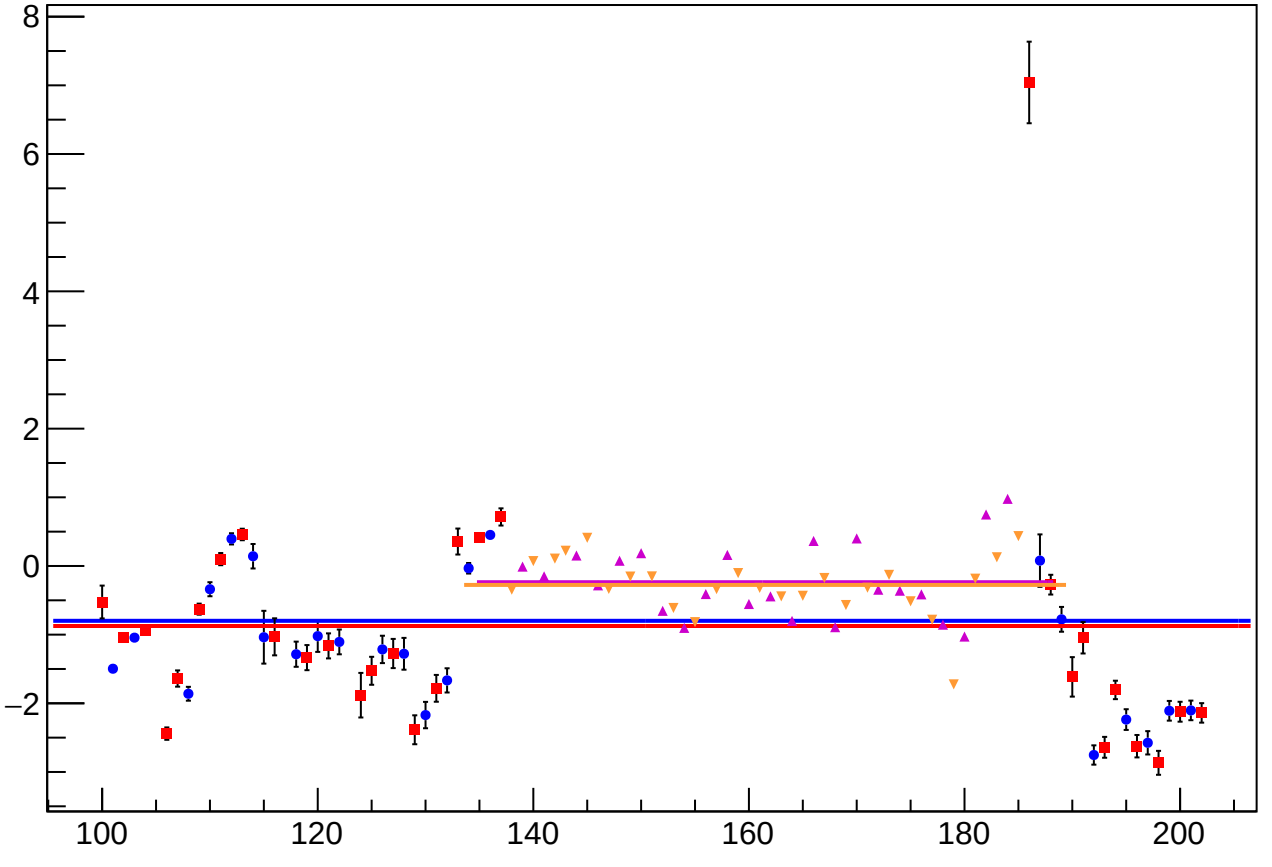
Right: 106.894+/-0.330 χ^2/NDF: 17824.2/51

In: 111.411+/-0.189 χ^2/NDF:14010.9/45

Out: 111.280+/-0.183 χ^2/NDF:15644.2/53

All: 111.344+/-0.132 χ^2/NDF: 29655.4/99

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.798+/-0.024 χ^2/NDF: 1742.4/22

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.874+/-0.023 χ^2/NDF: 2174.9/28

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

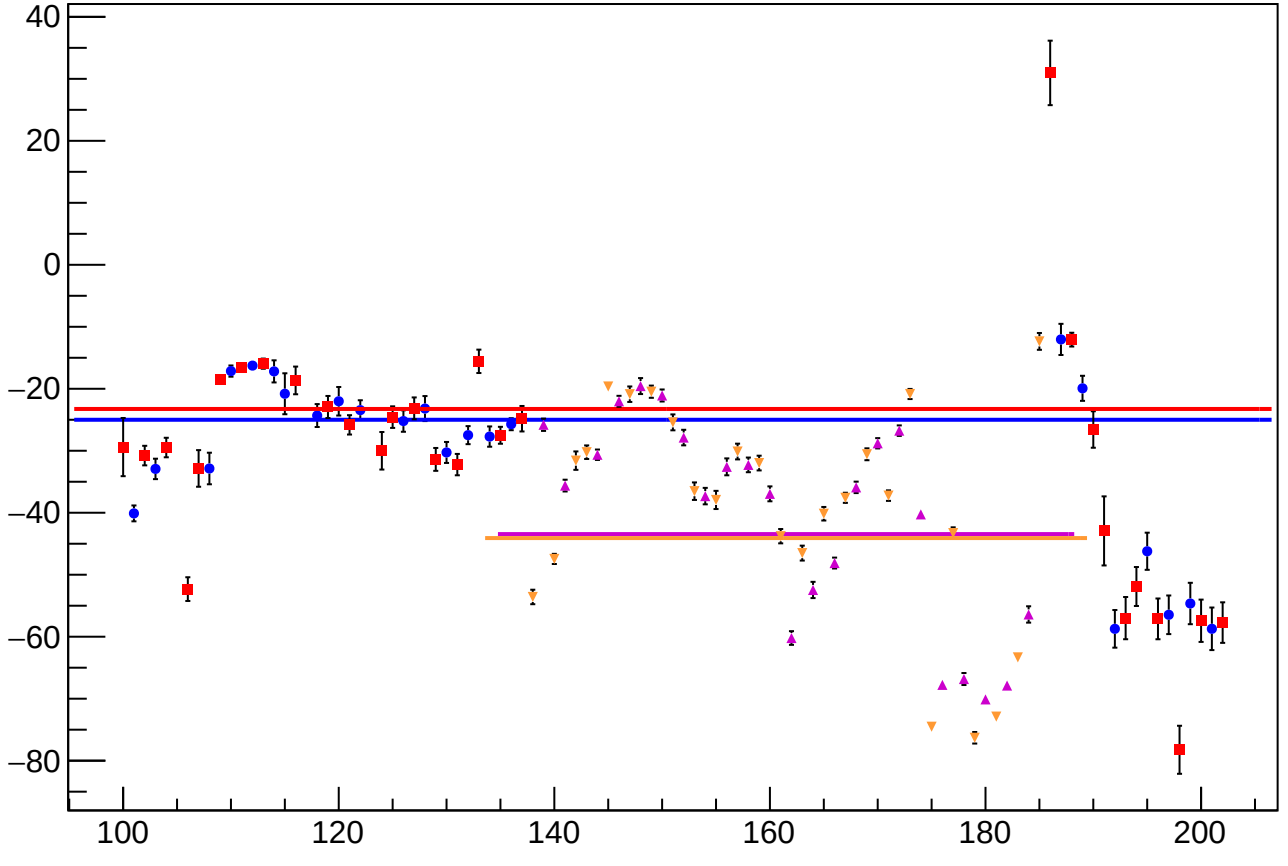
Right: -0.838+/-0.016 χ^2/NDF: 3922.7/51

In: -0.309+/-0.009 χ^2/NDF:5189.6/45

Out: -0.356+/-0.008 χ^2/NDF:4893.1/53

All: -0.333+/-0.006 χ^2/NDF: 10097.9/99

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.001+/-0.331 χ^2/NDF: 906.3/22

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.257+/-0.299 χ^2/NDF: 1483.0/28

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

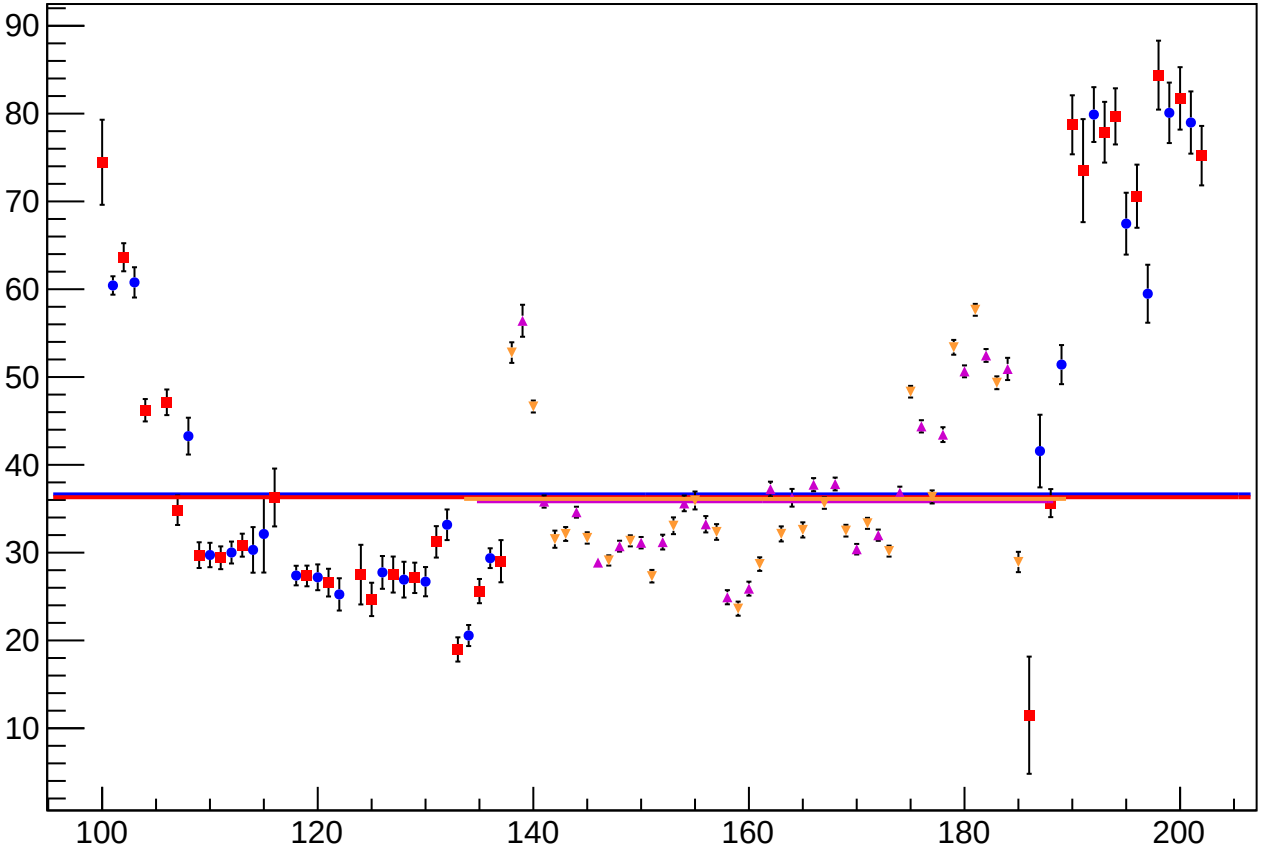
Right: -24.042+/-0.222 χ^2/NDF: 2404.6/51

In: -38.551+/-0.170 χ^2/NDF:11012.0/45

Out: -37.963+/-0.162 χ^2/NDF:15247.4/53

All: -38.243+/-0.117 χ^2/NDF: 26265.7/99

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 36.632+/-0.358 χ^2/NDF: 1901.4/22

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 36.311+/-0.349 χ^2/NDF: 2036.2/28

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

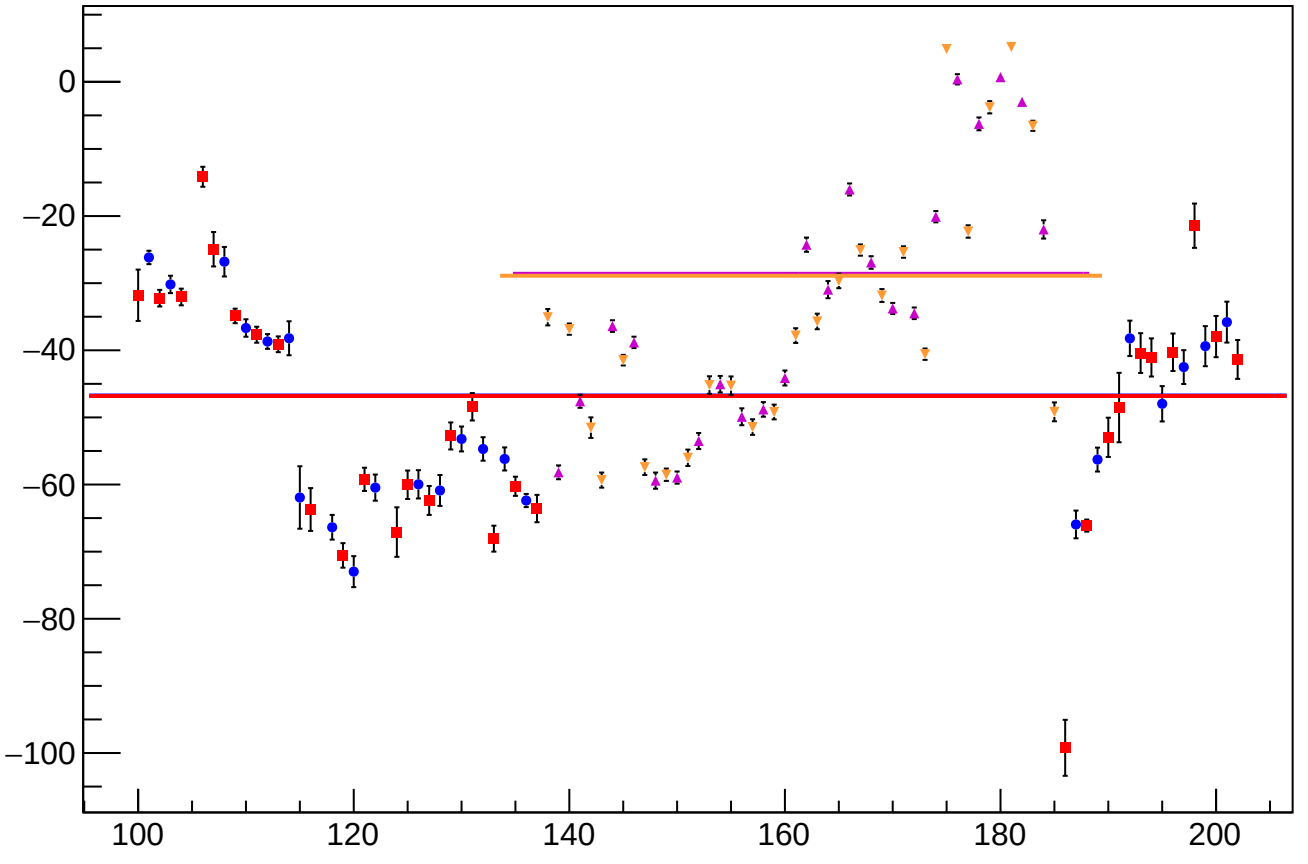
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 36.467+/-0.250 χ^2/NDF: 3938.0/51

In: 35.975+/-0.142 χ^2/NDF:4198.9/45

Out: 36.152+/-0.138 χ^2/NDF:5595.0/53

All: 36.066+/-0.099 χ^2/NDF: 9794.6/99



Right In: -46.737+/-0.358 χ^2/NDF: 1639.4/22

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.804+/-0.331 χ^2/NDF: 2438.0/28

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

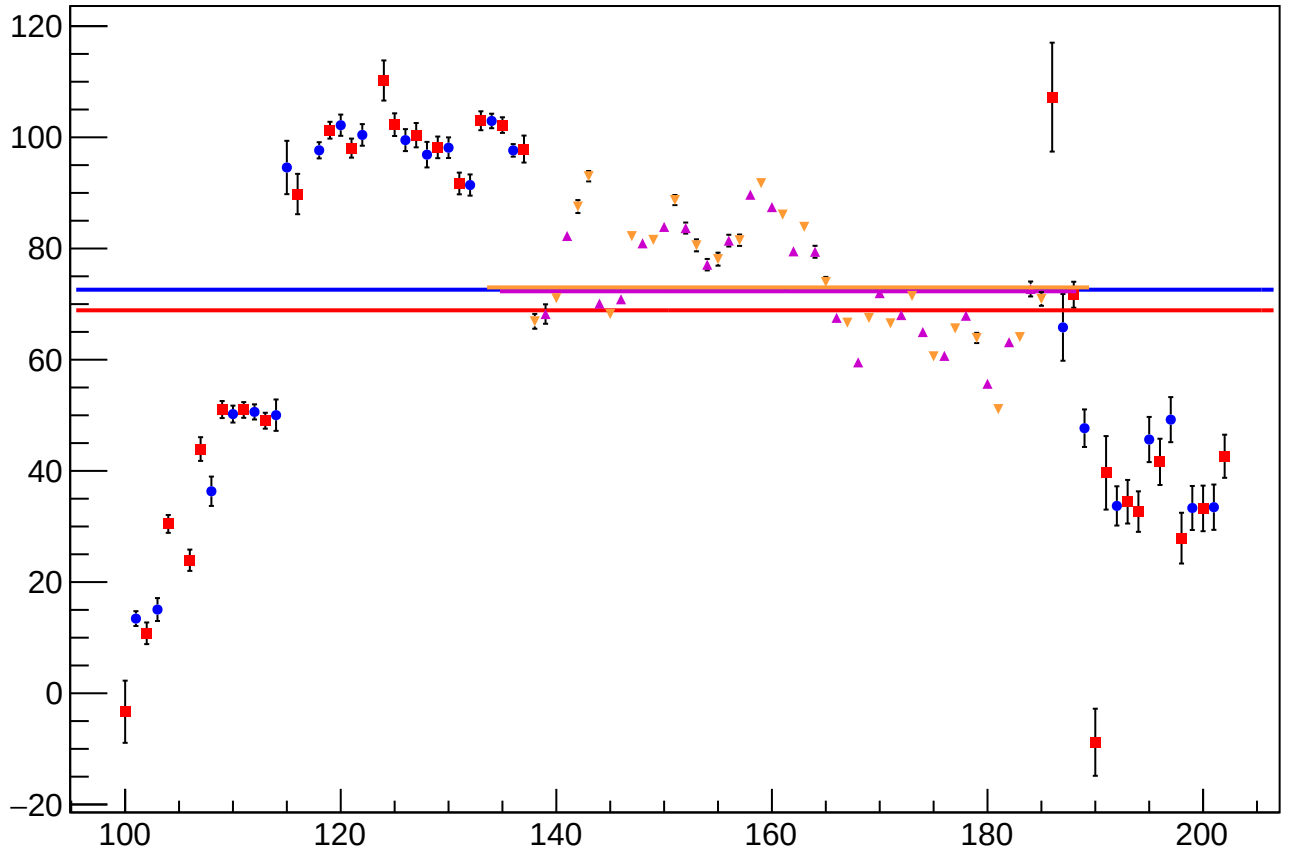
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -46.773+/-0.243 χ^2/NDF: 4077.4/51

In: -32.841+/-0.173 χ^2/NDF:13618.2/45

Out: -33.424+/-0.167 χ^2/NDF:16421.8/53

All: -33.144+/-0.120 χ^2/NDF: 30045.9/99



Right In: 72.593+/-0.411 χ^2/NDF: 6306.0/22

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.884+/-0.404 χ^2/NDF: 6287.9/28

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

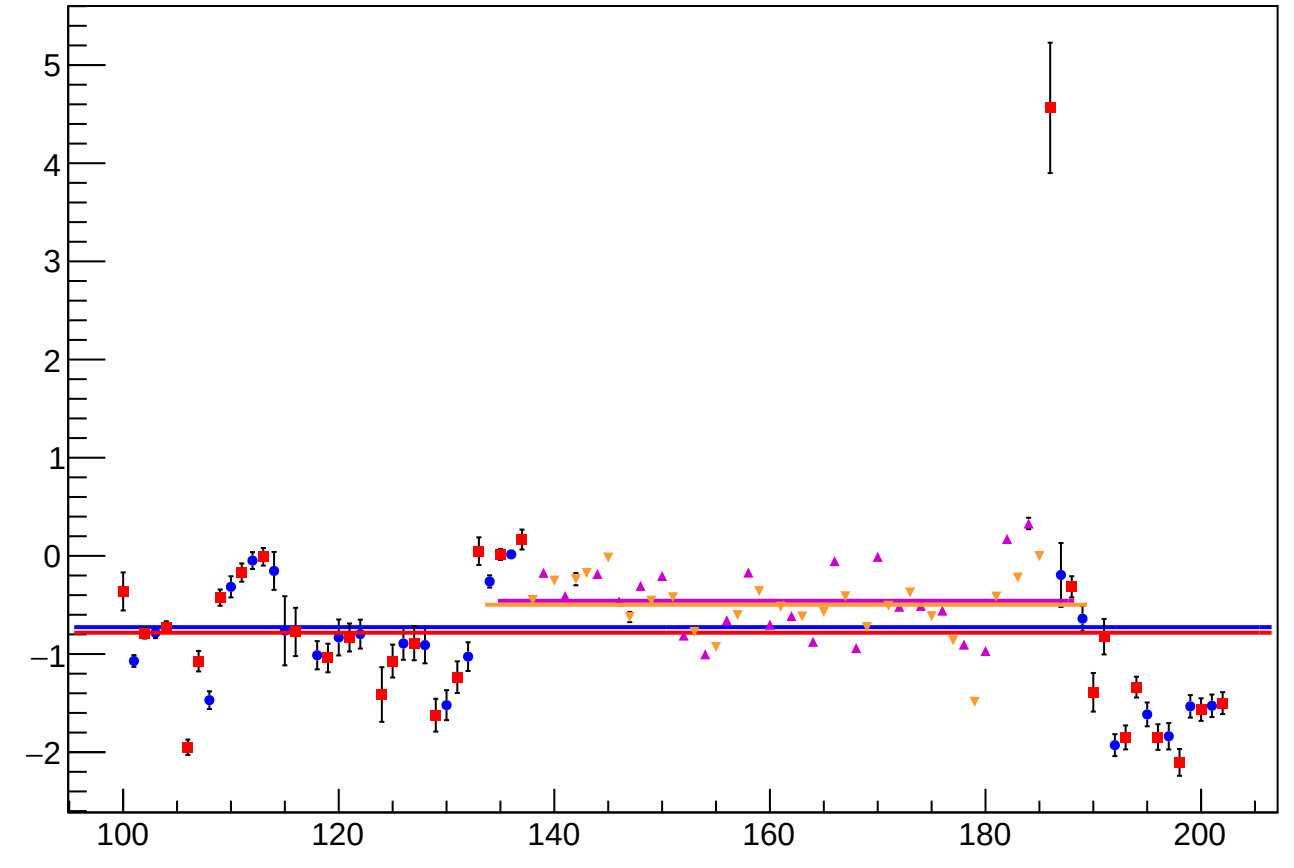
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 70.705+/-0.288 χ^2/NDF: 12635.3/51

In: 72.346+/-0.160 χ^2/NDF:9219.0/45

Out: 72.391+/-0.155 χ^2/NDF:10428.9/53

All: 72.369+/-0.111 χ^2/NDF: 19647.9/99



Right In: -0.726+/-0.020 χ^2/NDF: 886.4/22

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.783+/-0.020 χ^2/NDF: 1190.1/28

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

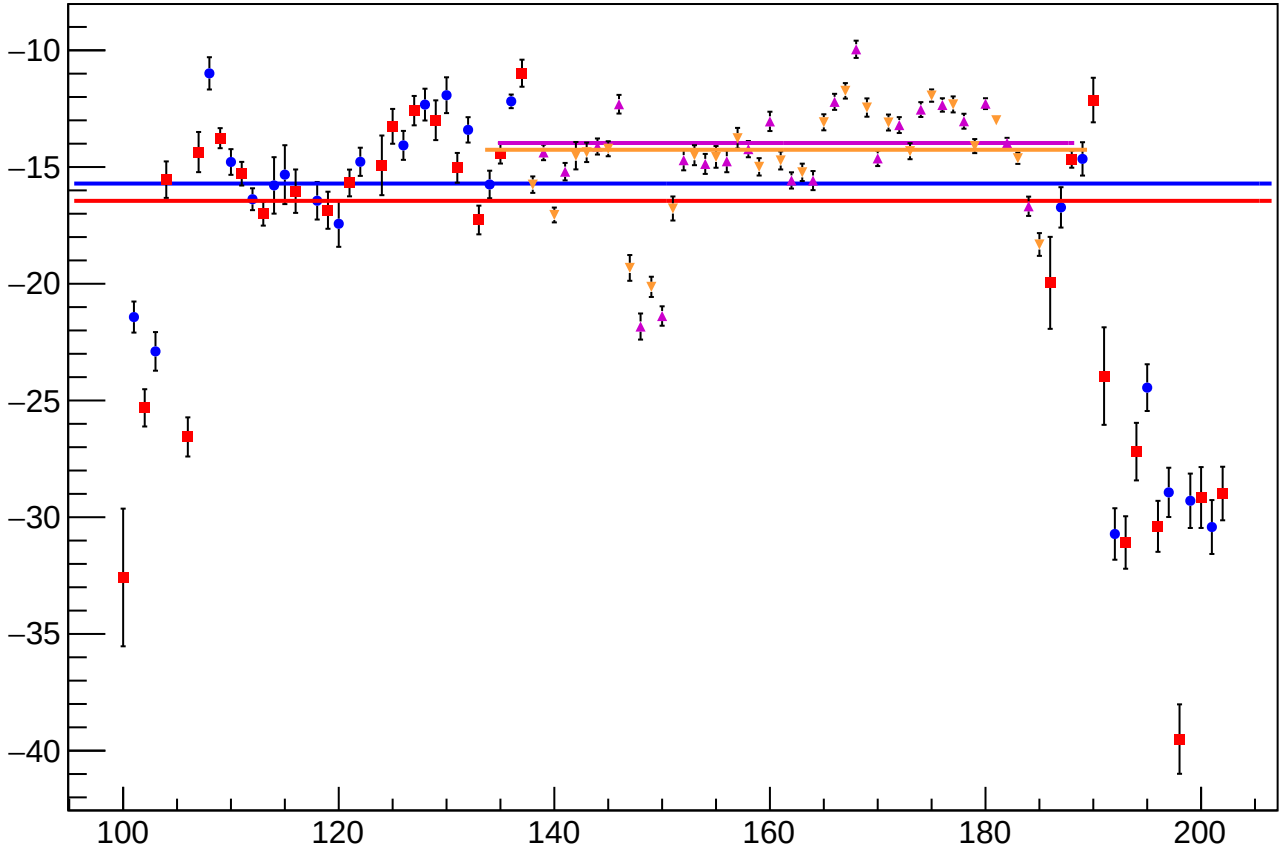
Right: -0.755+/-0.014 χ^2/NDF: 2080.5/51

In: -0.491+/-0.007 χ^2/NDF:3143.9/45

Out: -0.535+/-0.007 χ^2/NDF:2856.5/53

All: -0.513+/-0.005 χ^2/NDF: 6019.0/99

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.708+/-0.138 χ^2/NDF: 1147.4/22

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.449+/-0.132 χ^2/NDF: 1467.6/28

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -16.096+/-0.095 χ^2/NDF: 2630.0/51

In: -14.340+/-0.064 χ^2/NDF:2179.4/45

Out: -14.738+/-0.062 χ^2/NDF:2406.9/53

All: -14.546+/-0.044 χ^2/NDF: 4606.5/99

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -35.321+/-0.144 χ^2/NDF: 2233.3/22

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.299+/-0.140 χ^2/NDF: 2572.4/28

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

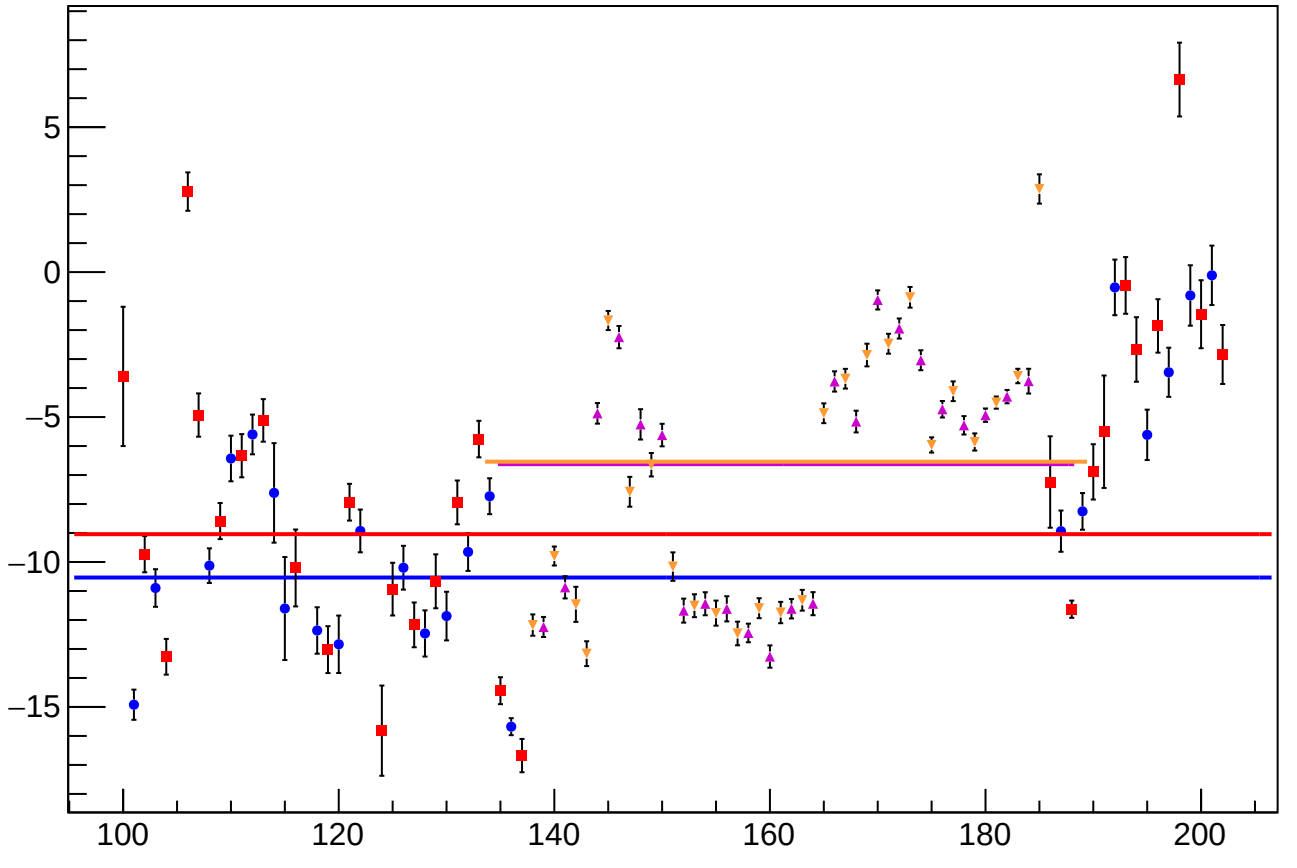
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -35.310+/-0.101 χ^2/NDF: 4805.7/51

In: -31.968+/-0.053 χ^2/NDF:4077.4/45

Out: -31.836+/-0.051 χ^2/NDF:3827.2/53

All: -31.900+/-0.037 χ^2/NDF: 7907.8/99



Right In: -10.536+/-0.143 χ^2/NDF: 927.1/22

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.040+/-0.135 χ^2/NDF: 1343.4/28

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

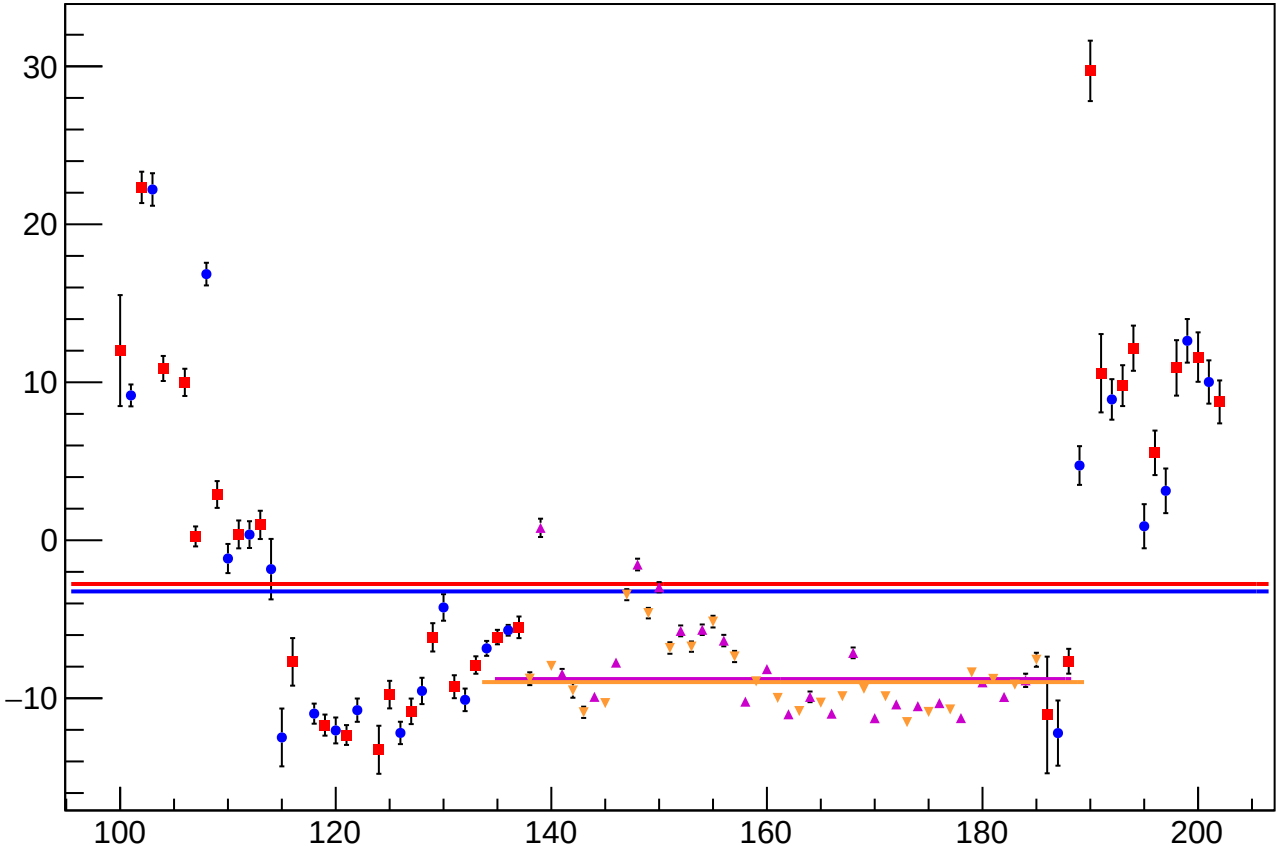
Right: -9.745+/-0.098 χ^2/NDF: 2328.6/51

In: -7.409+/-0.064 χ^2/NDF:4436.1/45

Out: -7.066+/-0.062 χ^2/NDF:4857.7/53

All: -7.232+/-0.044 χ^2/NDF: 9308.8/99

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -3.237+/-0.164 χ^2/NDF: 2959.7/22

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.767+/-0.164 χ^2/NDF: 2971.0/28

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

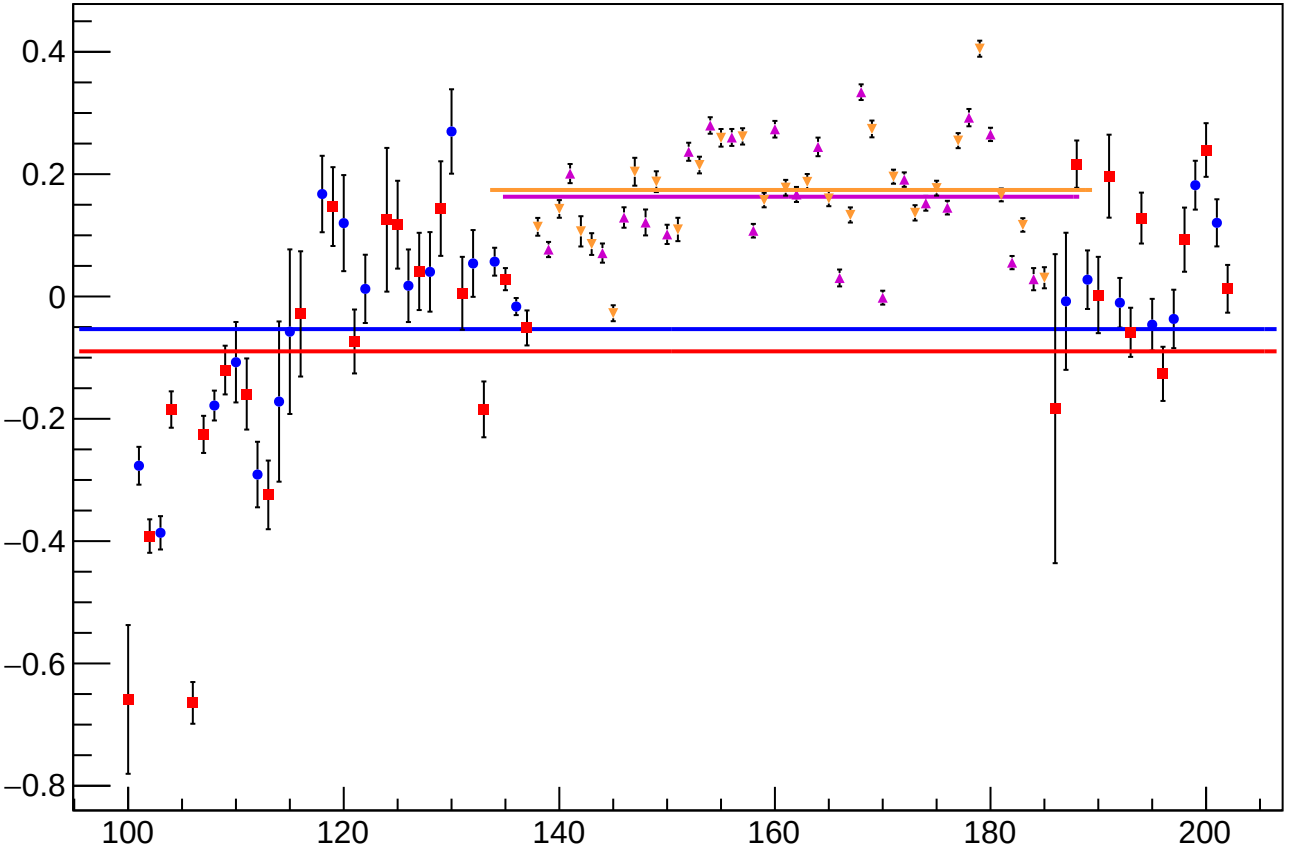
Right: -3.003+/-0.116 χ^2/NDF: 5934.8/51

In: -8.060+/-0.059 χ^2/NDF:5645.4/45

Out: -8.211+/-0.058 χ^2/NDF:5202.7/53

All: -8.138+/-0.041 χ^2/NDF: 10851.5/99

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.053+/-0.008 χ^2/NDF: 386.7/22

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.090+/-0.008 χ^2/NDF: 754.2/28

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

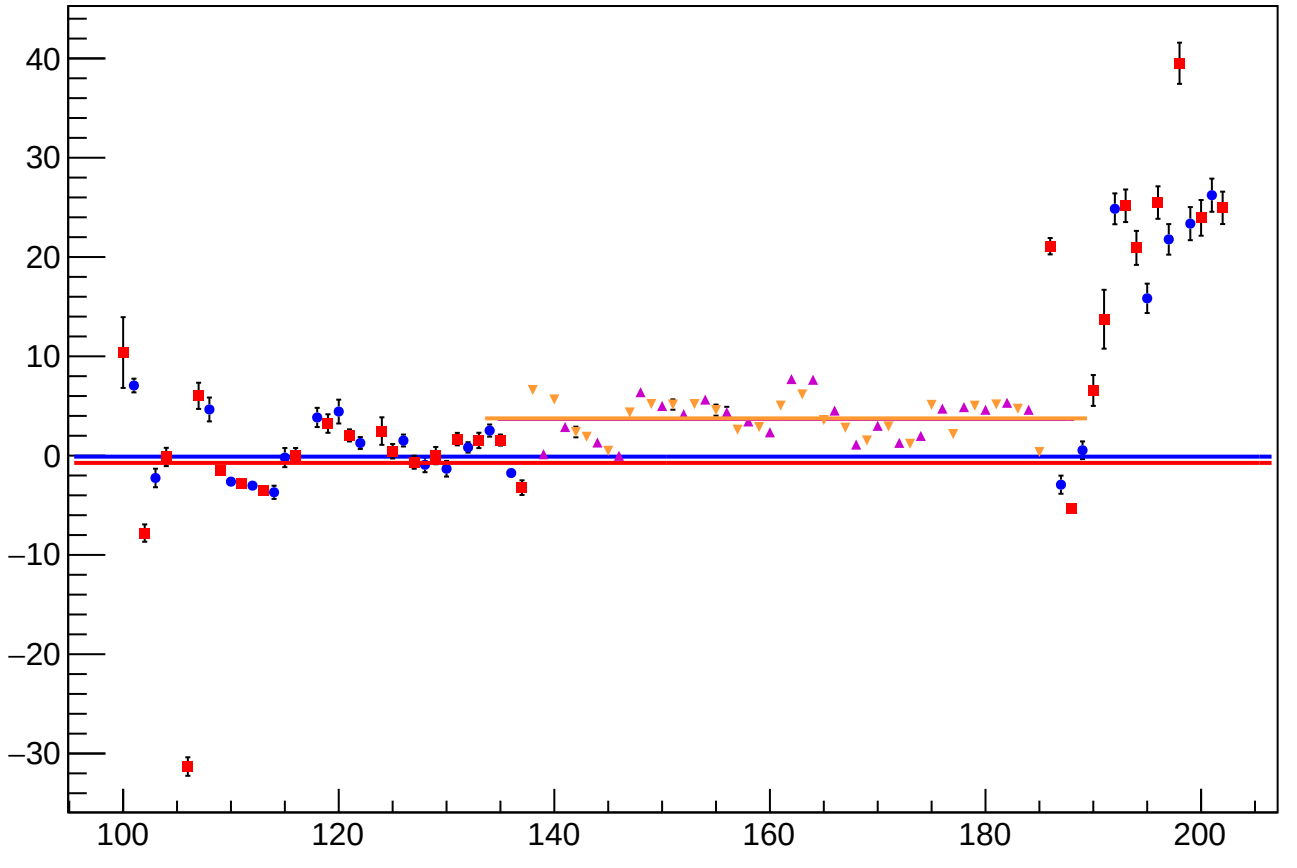
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.071+/-0.005 χ^2/NDF: 1152.0/51

In: 0.138+/-0.003 χ^2/NDF:2287.5/45

Out: 0.145+/-0.003 χ^2/NDF:2703.4/53

All: 0.142+/-0.002 χ^2/NDF: 4994.8/99



Right In: -0.103+/-0.131 χ^2/NDF: 1446.7/22

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.734+/-0.121 χ^2/NDF: 3726.8/28

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

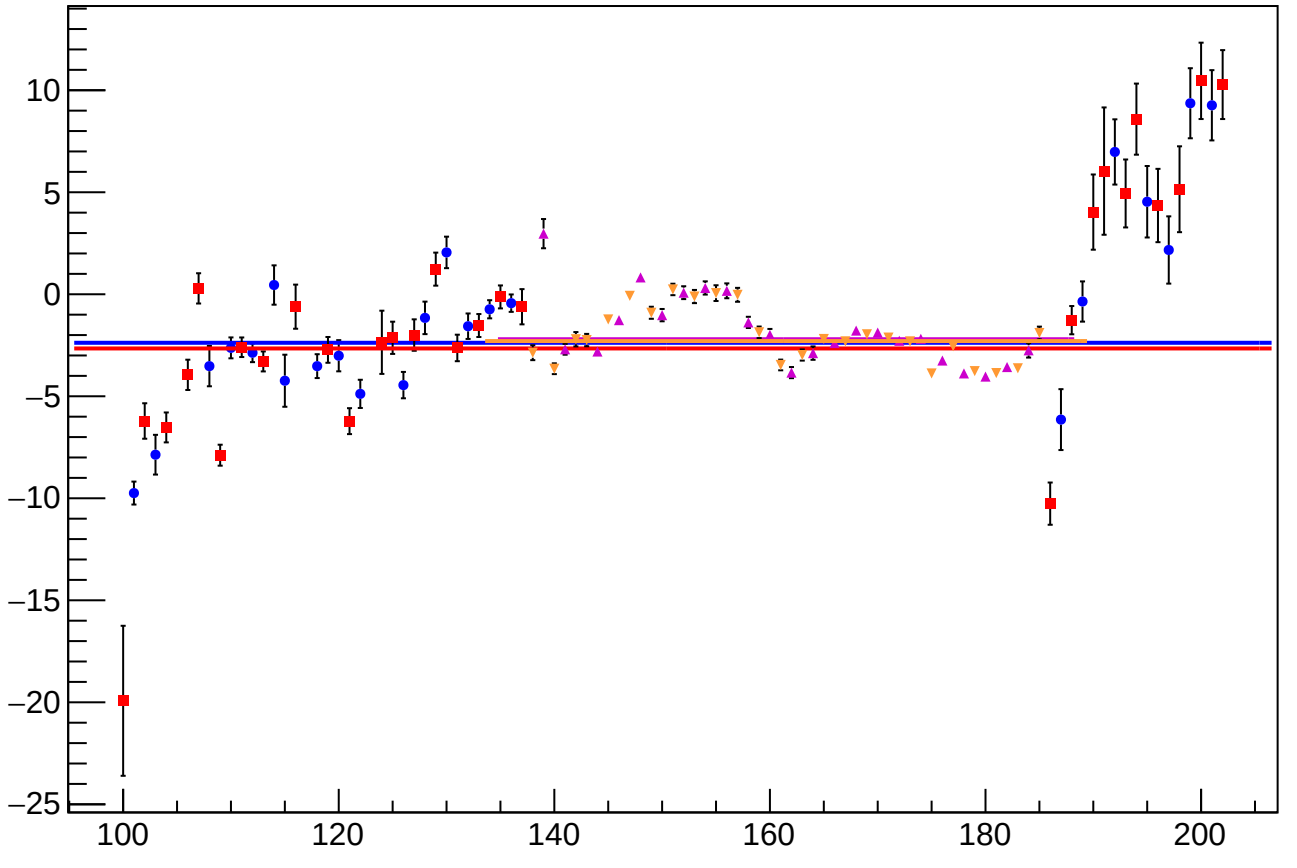
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -0.445+/-0.089 χ^2/NDF: 5186.1/51

In: 2.962+/-0.057 χ^2/NDF:3074.4/45

Out: 2.812+/-0.055 χ^2/NDF:5631.1/53

All: 2.884+/-0.040 χ^2/NDF: 8709.0/99



Right In: -2.378+/-0.150 χ^2/NDF: 476.7/22

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.657+/-0.148 χ^2/NDF: 558.0/28

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

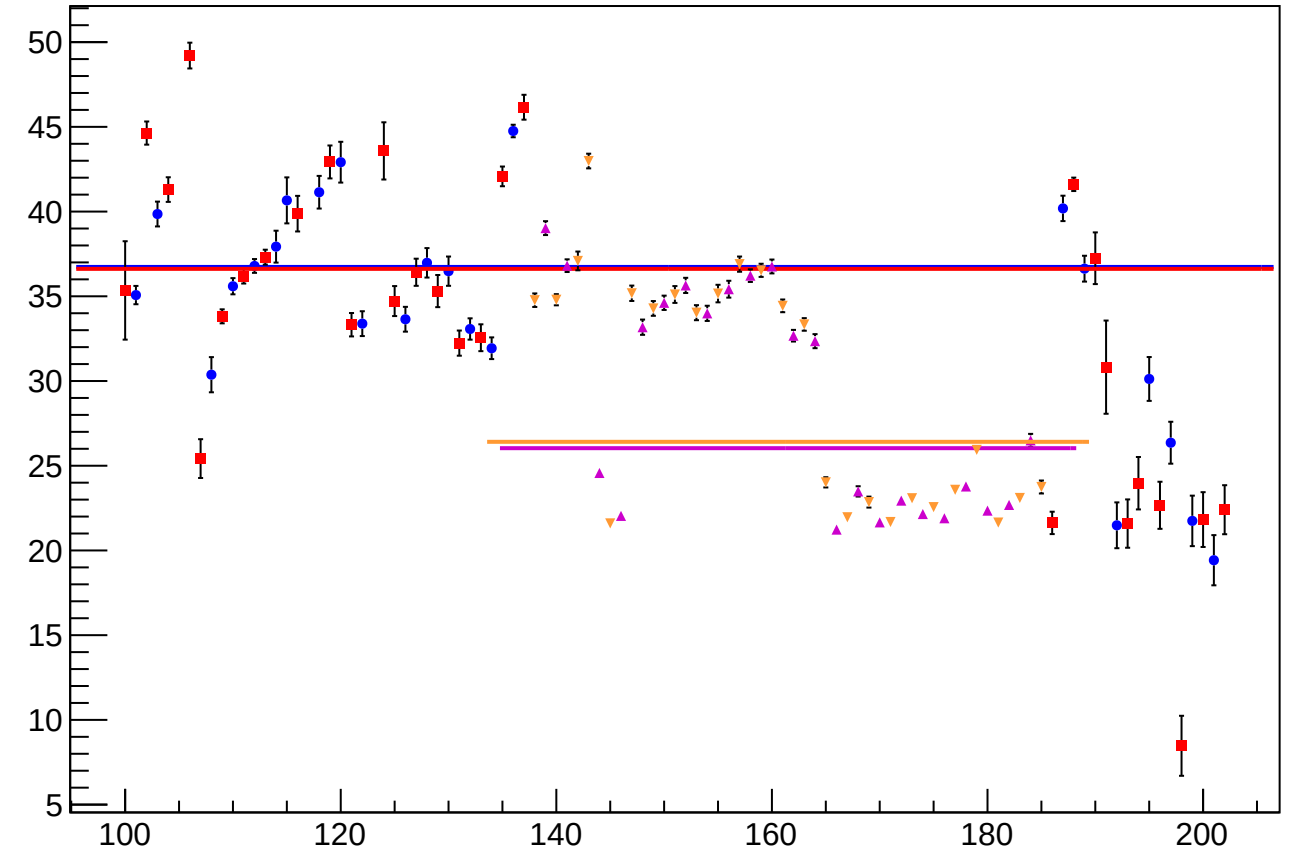
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.519+/-0.106 χ^2/NDF: 1036.3/51

In: -2.222+/-0.048 χ^2/NDF:1202.5/45

Out: -2.331+/-0.047 χ^2/NDF:1194.8/53

All: -2.278+/-0.034 χ^2/NDF: 2400.0/99



Right In: 36.732+/-0.149 χ^2/NDF: 1209.4/22

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.620+/-0.140 χ^2/NDF: 2405.1/28

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

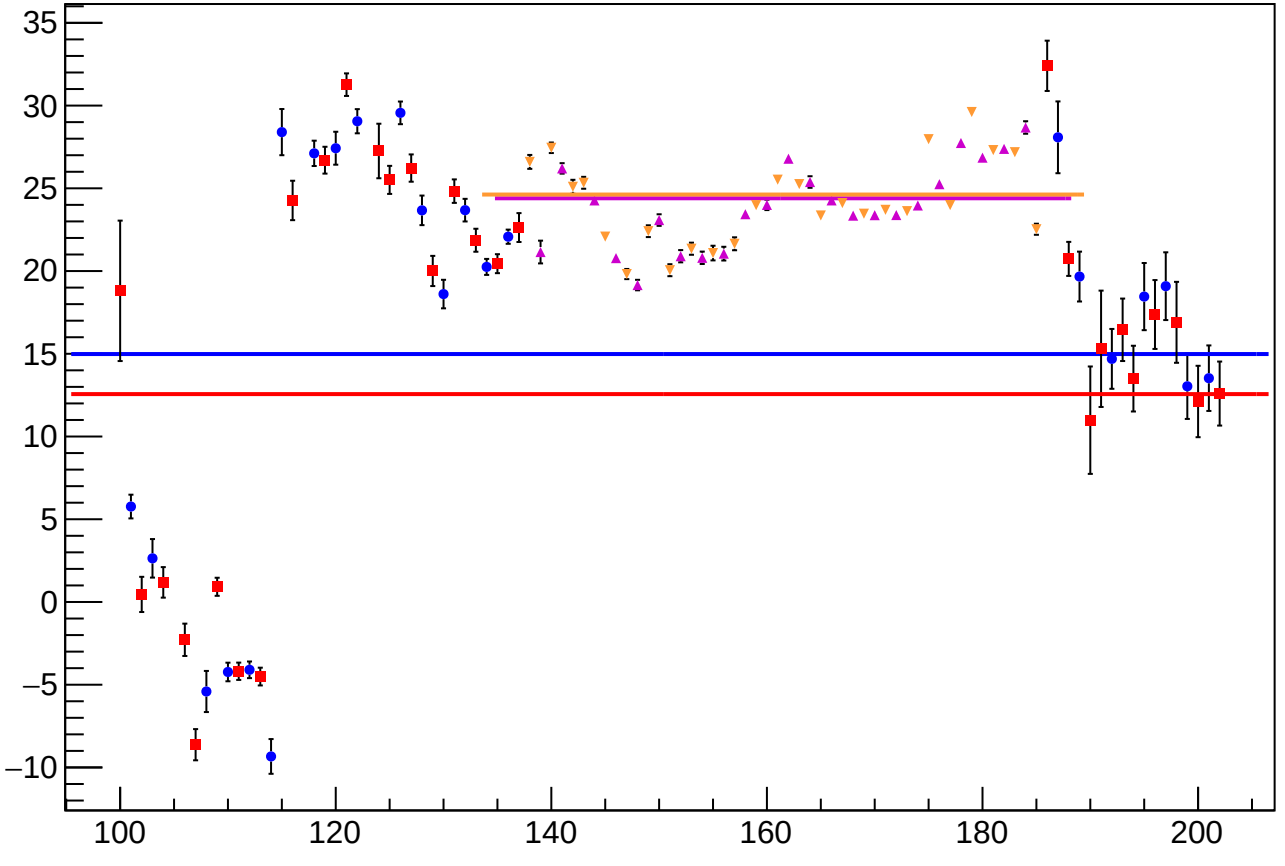
Right: 36.672+/-0.102 χ^2/NDF: 3614.9/51

In: 27.693+/-0.059 χ^2/NDF:13395.5/45

Out: 28.102+/-0.057 χ^2/NDF:16078.5/53

All: 27.904+/-0.041 χ^2/NDF: 29499.0/99

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.984+/-0.169 χ^2/NDF: 5741.9/22

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.564+/-0.169 χ^2/NDF: 6364.6/28

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

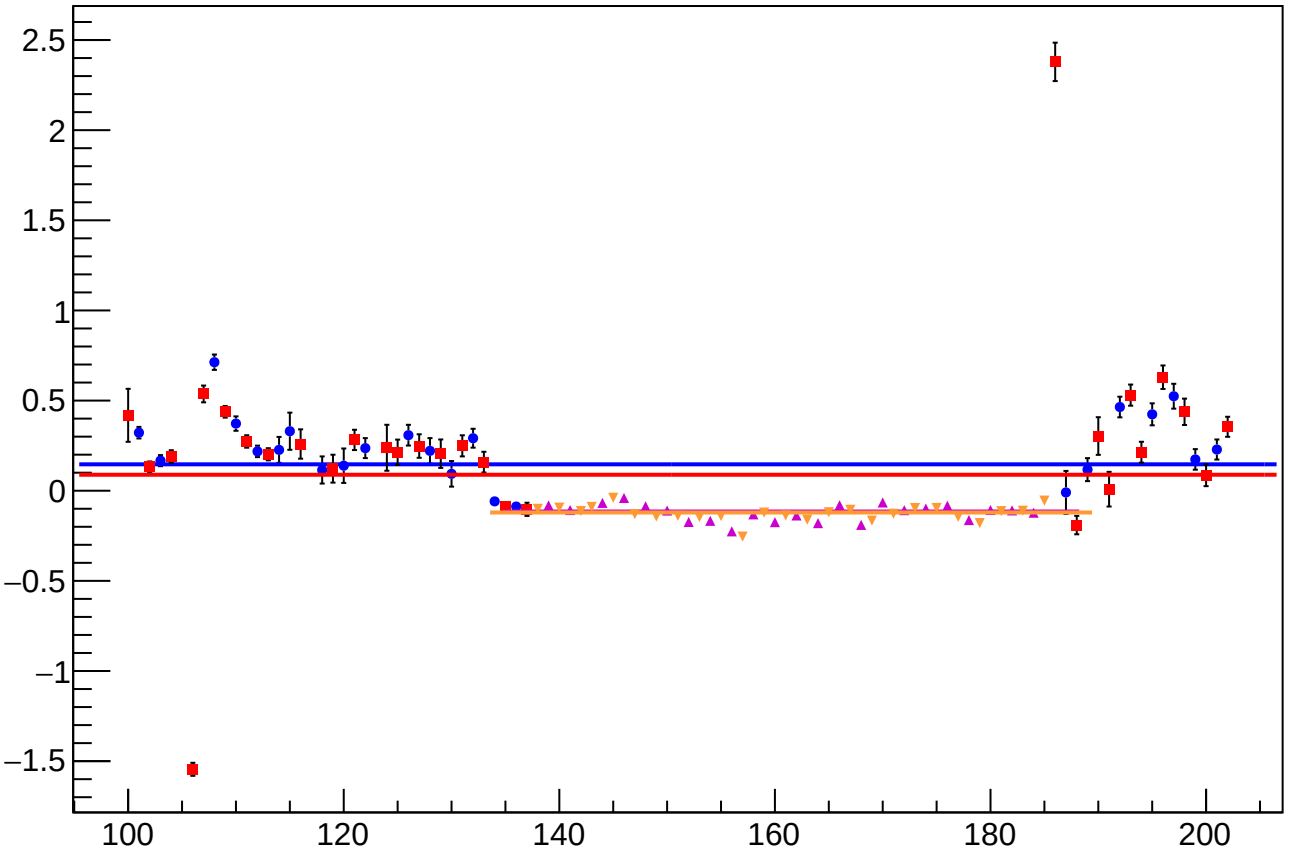
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.775+/-0.120 χ^2/NDF: 12209.1/51

In: 23.452+/-0.054 χ^2/NDF:10249.3/45

Out: 23.464+/-0.052 χ^2/NDF:12910.5/53

All: 23.458+/-0.037 χ^2/NDF: 23159.9/99



Right In: 0.146+/-0.009 χ^2/NDF: 612.2/22

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.089+/-0.009 χ^2/NDF: 3116.3/28

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

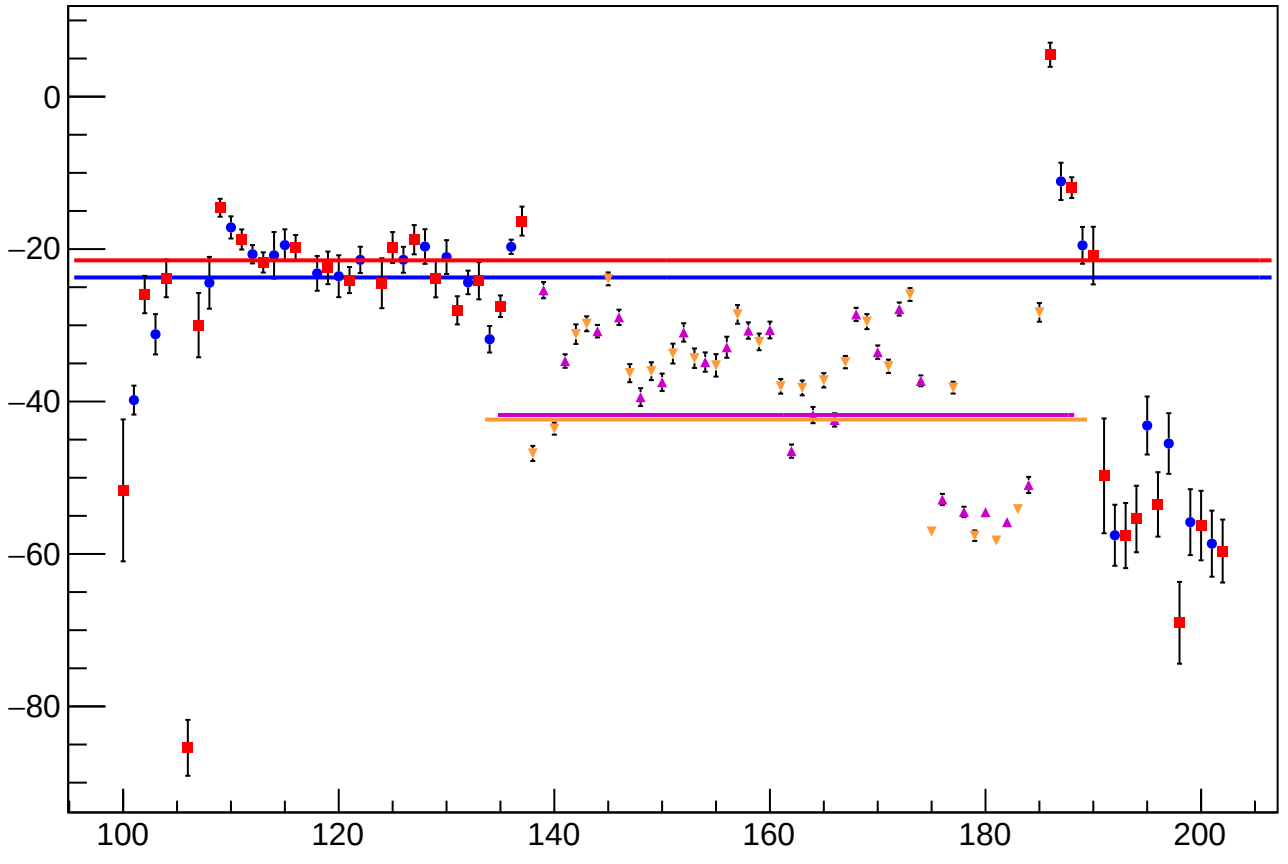
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.118+/-0.006 χ^2/NDF: 3750.1/51

In: -0.095+/-0.002 χ^2/NDF:1727.6/45

Out: -0.106+/-0.002 χ^2/NDF:3898.1/53

All: -0.101+/-0.002 χ^2/NDF: 5635.1/99



Right In: -23.724+/-0.410 χ^2/NDF: 437.2/22

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.477+/-0.389 χ^2/NDF: 1173.3/28

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

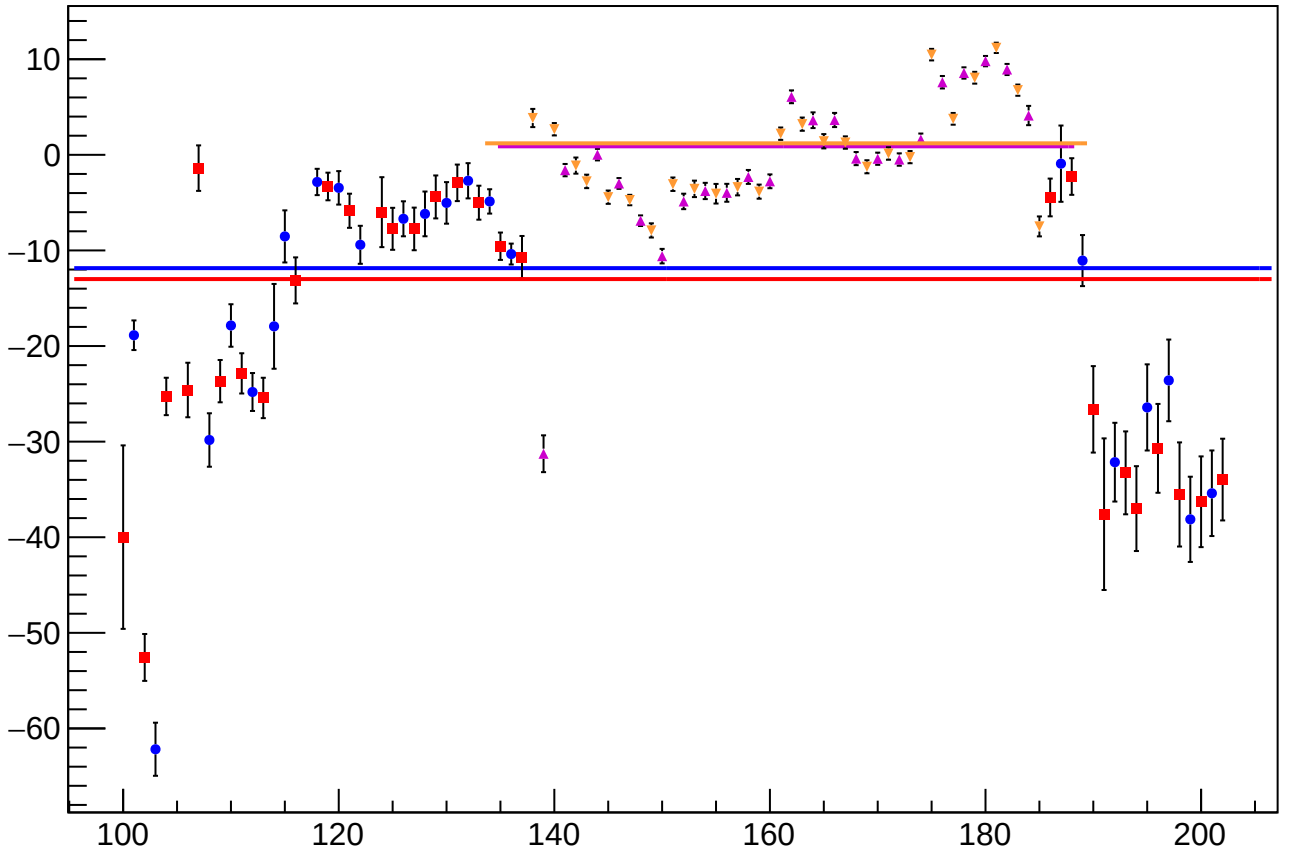
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.540+/-0.282 χ^2/NDF: 1626.4/51

In: -38.807+/-0.166 χ^2/NDF:5511.6/45

Out: -38.841+/-0.160 χ^2/NDF:8048.9/53

All: -38.825+/-0.115 χ^2/NDF: 13560.5/99



Right In: -11.853+/-0.433 χ^2/NDF: 703.3/22

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.997+/-0.439 χ^2/NDF: 772.9/28

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

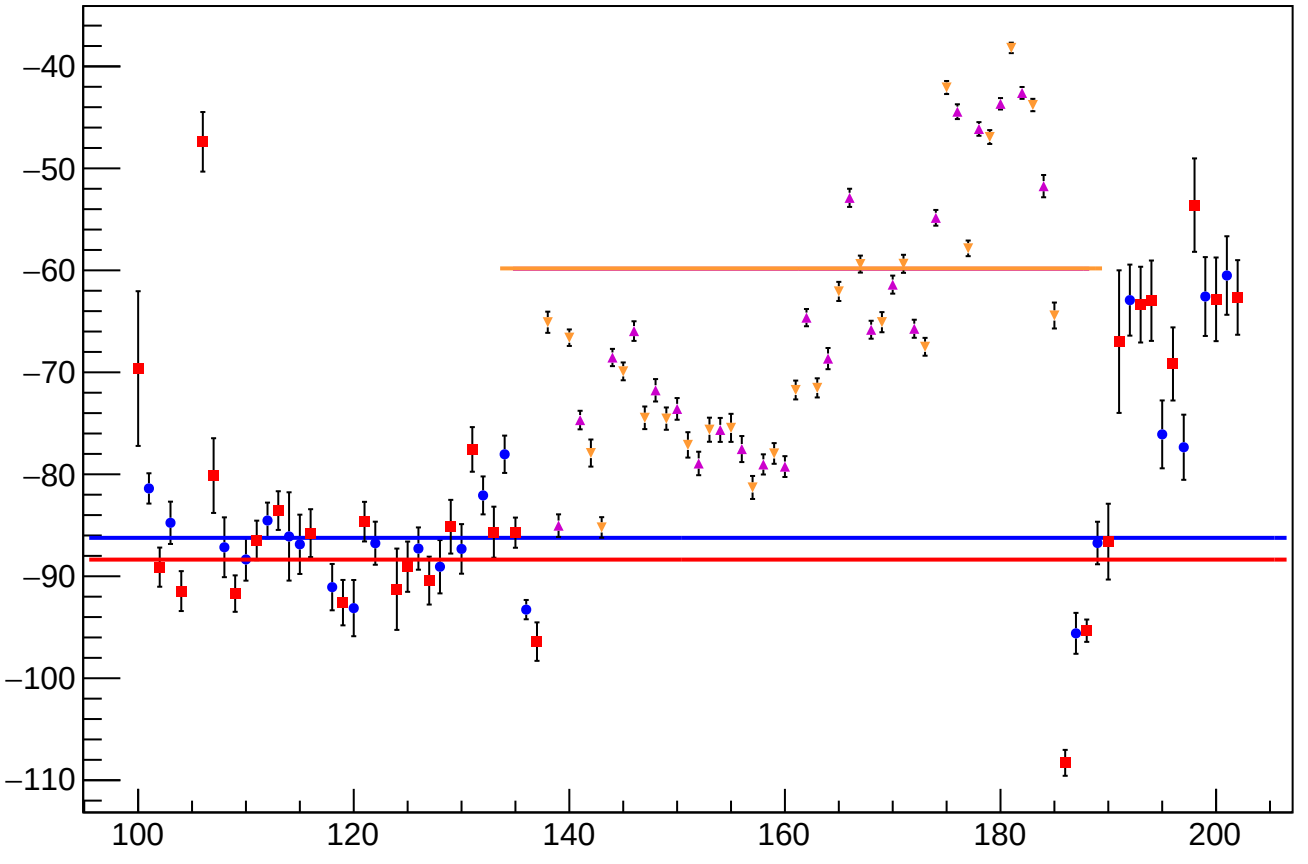
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -12.418+/-0.308 χ^2/NDF: 1479.7/51

In: -0.363+/-0.136 χ^2/NDF:3247.8/45

Out: -0.078+/-0.132 χ^2/NDF:3189.9/53

All: -0.216+/-0.095 χ^2/NDF: 6439.9/99



Right In: -86.232+/-0.438 χ^2/NDF: 271.8/22

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.365+/-0.413 χ^2/NDF: 836.7/28

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

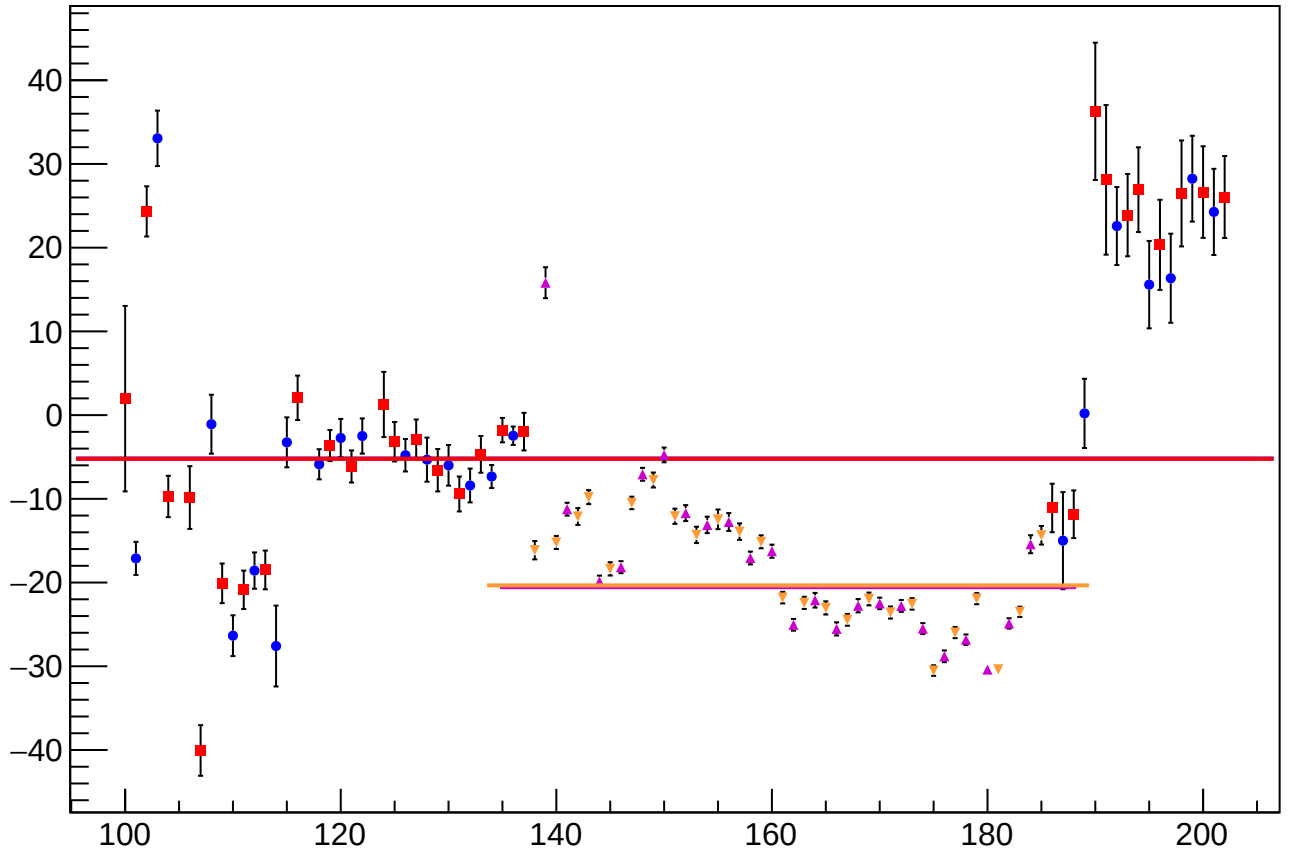
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -87.360+/-0.301 χ^2/NDF: 1121.1/51

In: -63.697+/-0.167 χ^2/NDF:8905.6/45

Out: -64.160+/-0.161 χ^2/NDF:11524.6/53

All: -63.937+/-0.116 χ^2/NDF: 20434.2/99



Right In: -5.191+/-0.490 χ^2/NDF: 468.6/22

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -5.214+/-0.507 χ^2/NDF: 625.7/28

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

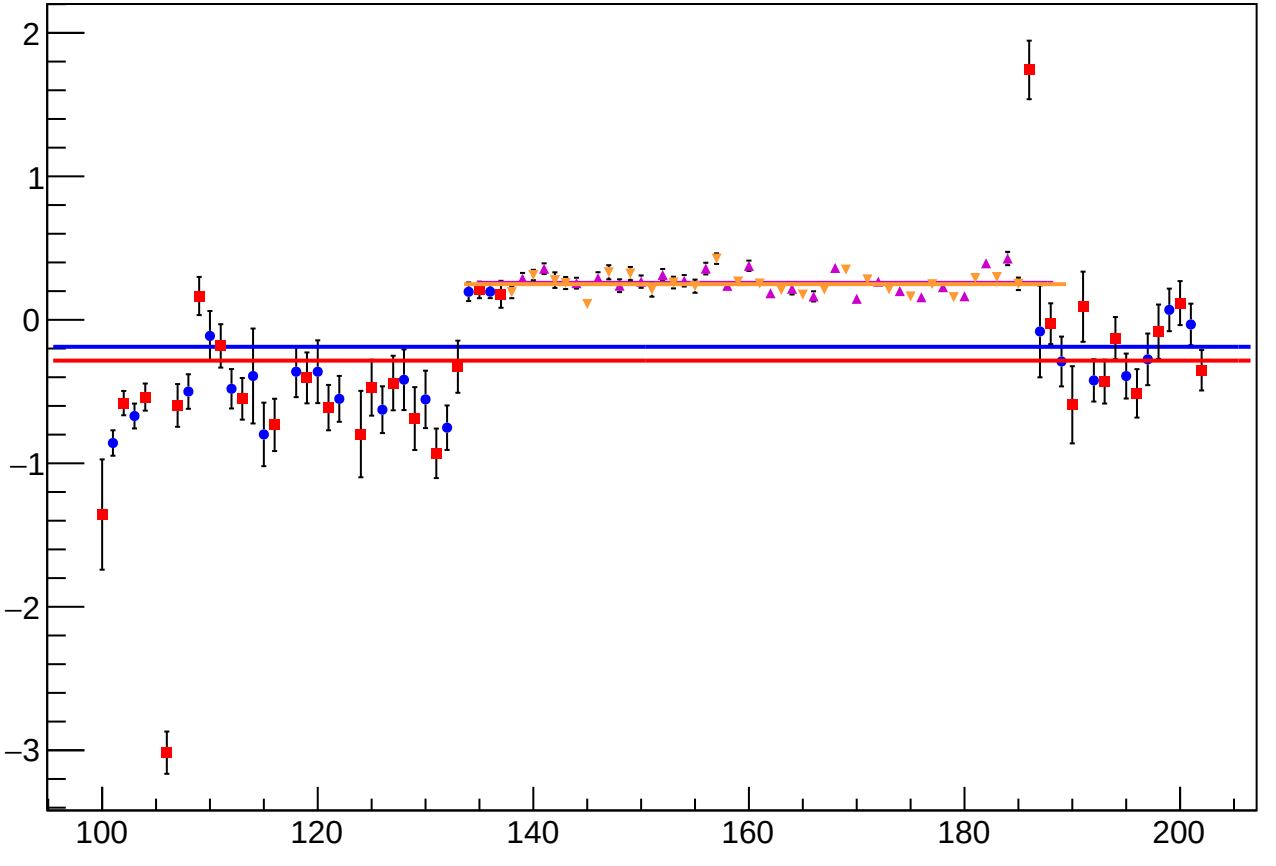
Right: -5.202+/-0.352 χ^2/NDF: 1094.3/51

In: -19.084+/-0.152 χ^2/NDF:3550.2/45

Out: -19.051+/-0.148 χ^2/NDF:3141.6/53

All: -19.067+/-0.106 χ^2/NDF: 6691.9/99

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.188+/-0.025 χ^2/NDF: 256.4/22

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.284+/-0.026 χ^2/NDF: 639.1/28

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

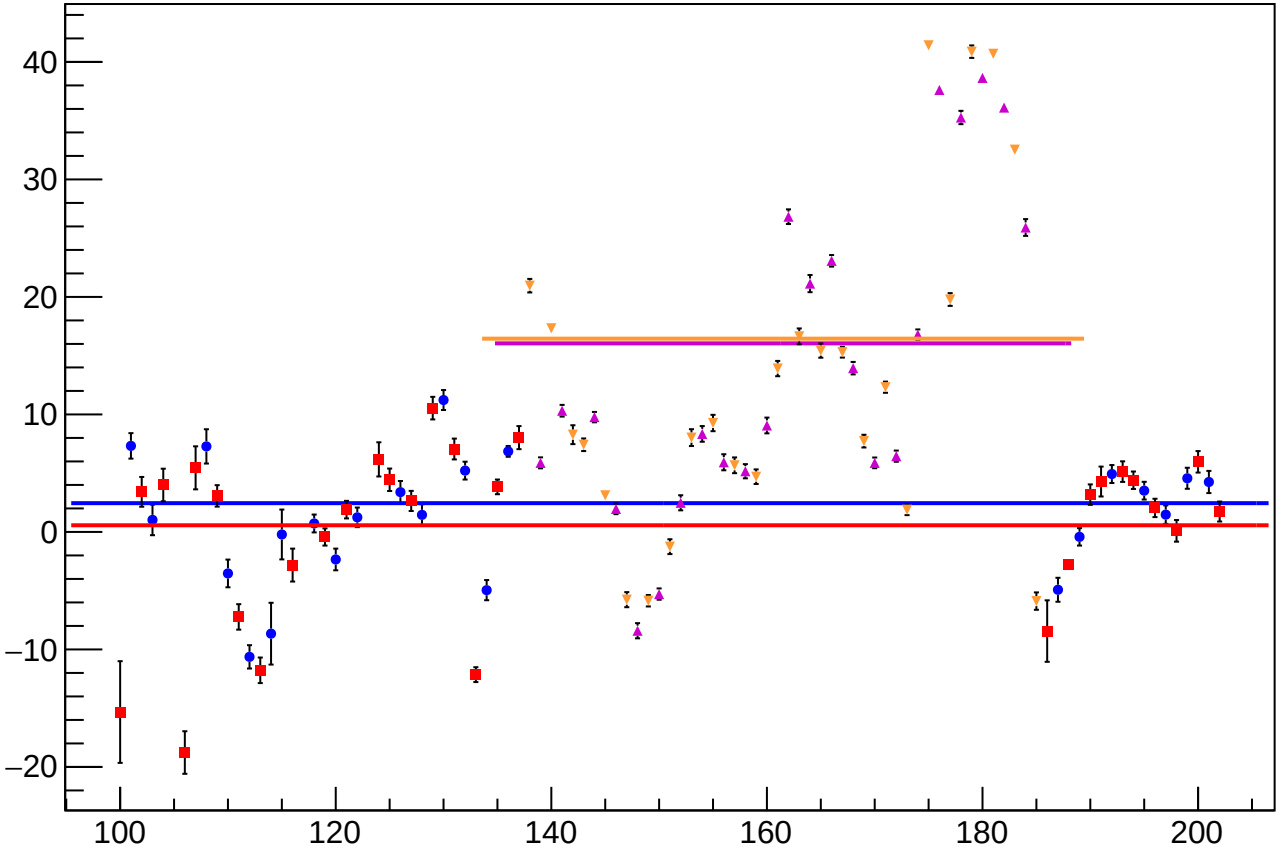
Right: -0.234+/-0.018 χ^2/NDF: 902.8/51

In: 0.223+/-0.007 χ^2/NDF:693.0/45

Out: 0.212+/-0.007 χ^2/NDF:1132.5/53

All: 0.218+/-0.005 χ^2/NDF: 1826.8/99

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.448+/-0.182 χ^2/NDF: 664.0/22

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.566+/-0.162 χ^2/NDF: 1233.0/28

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

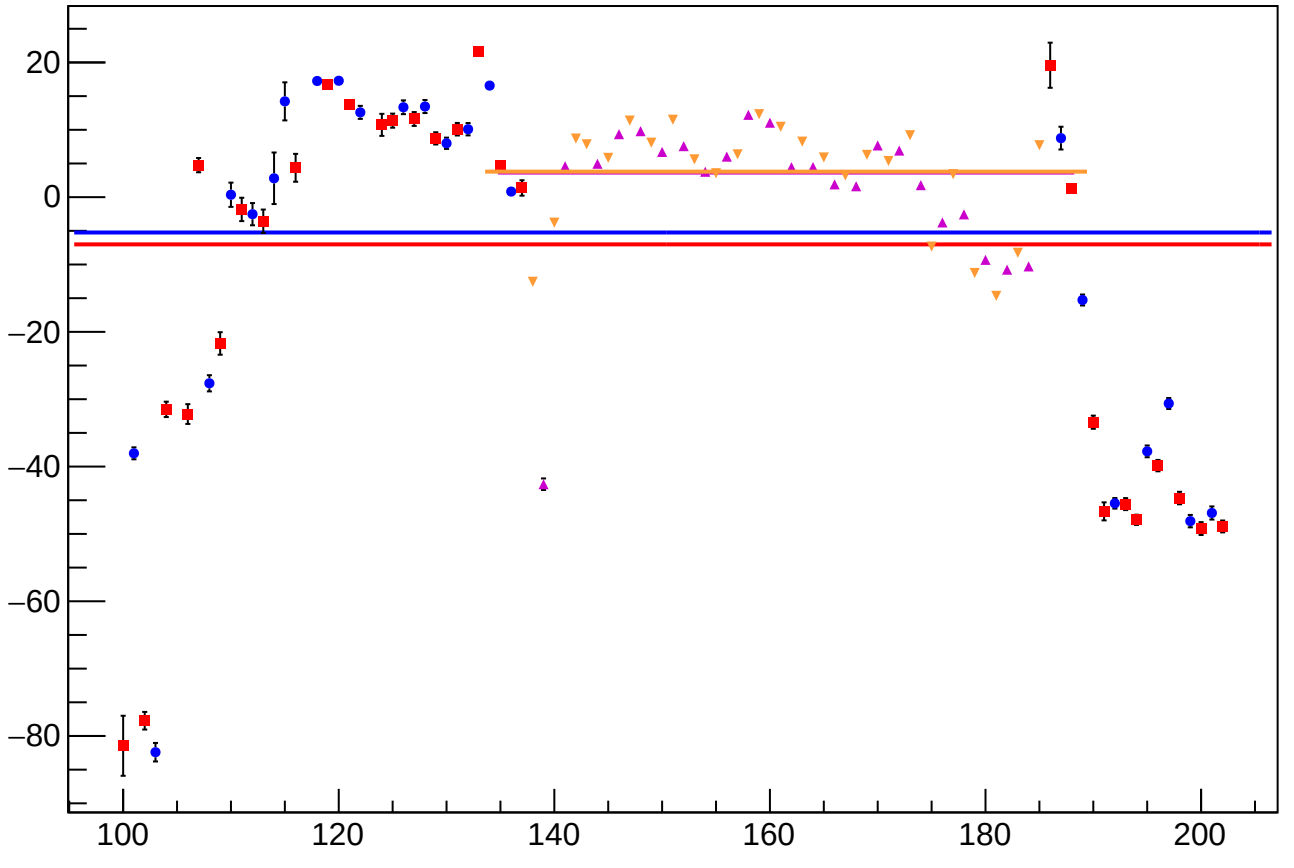
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.400+/-0.121 χ^2/NDF: 1956.5/51

In: 12.549+/-0.092 χ^2/NDF:22431.7/45

Out: 11.828+/-0.088 χ^2/NDF:29417.2/53

All: 12.169+/-0.064 χ^2/NDF: 51880.9/99



Right In: -5.245+/-0.179 χ^2/NDF: 20864.4/22

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -7.012+/-0.167 χ^2/NDF: 27238.9/28

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

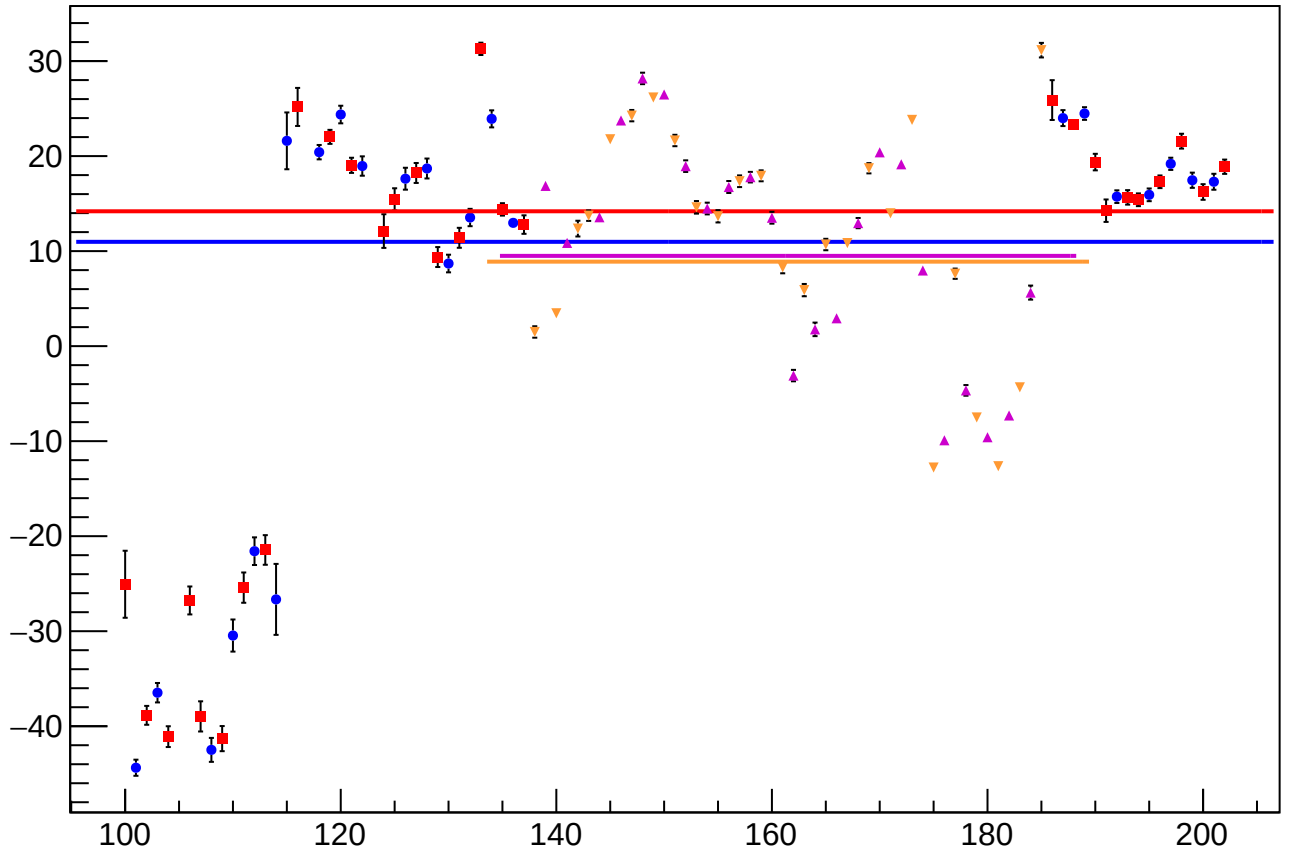
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

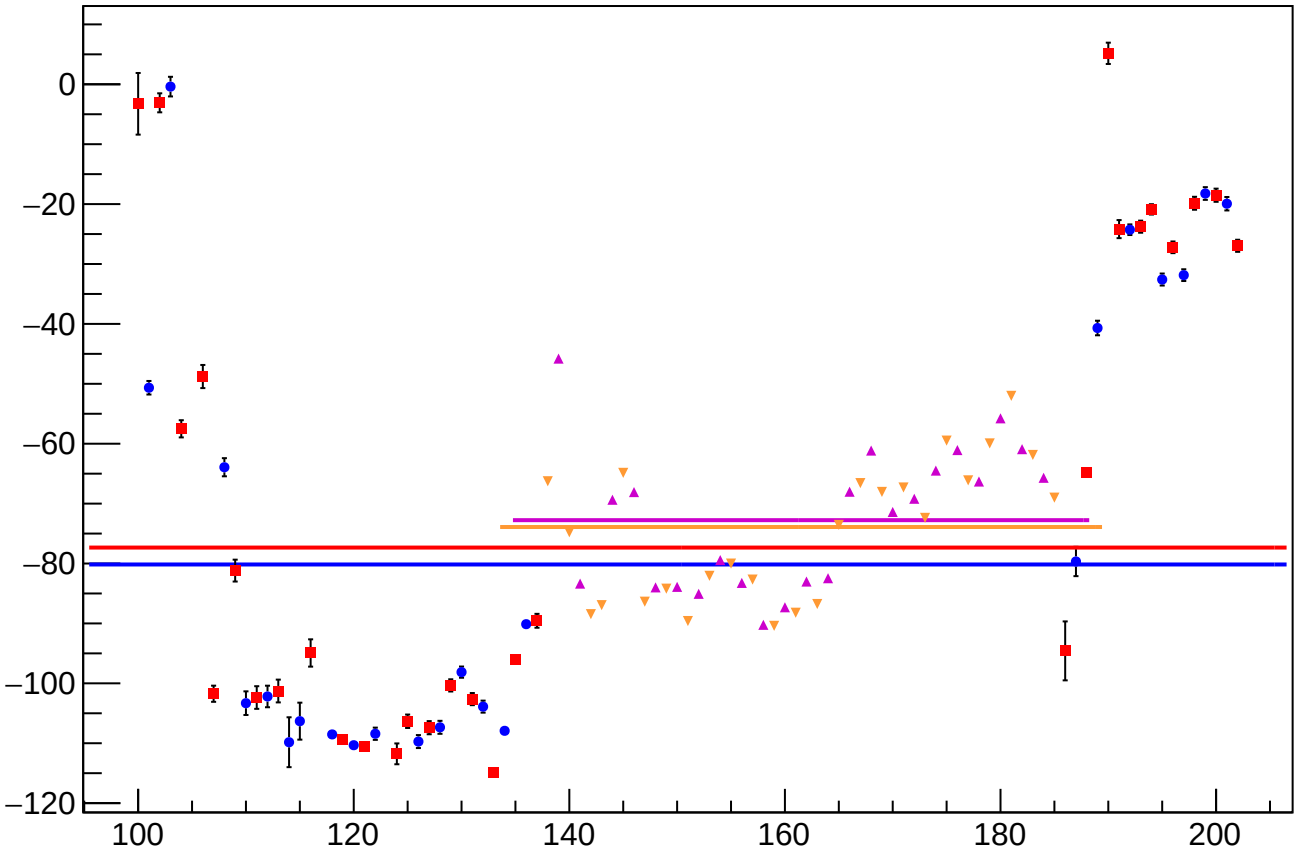
Right: -6.190+/-0.122 χ^2/NDF: 48155.4/51

In: 2.075+/-0.075 χ^2/NDF:31209.4/45

Out: 1.767+/-0.072 χ^2/NDF:39746.4/53

All: 1.915+/-0.052 χ^2/NDF: 70964.4/99


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
Right In: 10.977+/-0.179 χ²/NDF: 11218.1/22
Left Out: 8.892+/-0.104 χ²/NDF:15428.1/24
Right Out: 14.192+/-0.155 χ²/NDF: 12381.3/28
Left In: 9.500+/-0.107 χ²/NDF:13040.9/22
Left: 9.188+/-0.074 χ²/NDF: 28485.8/47
Right: 12.809+/-0.117 χ²/NDF: 23783.7/51
In: 9.887+/-0.091 χ²/NDF:24309.4/45
Out: 10.527+/-0.086 χ²/NDF:28615.1/53
All: 10.226+/-0.063 χ²/NDF: 52950.4/99



Right In: -80.160+/-0.209 χ^2/NDF: 28328.4/22

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -77.337+/-0.197 χ^2/NDF: 37896.8/28

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

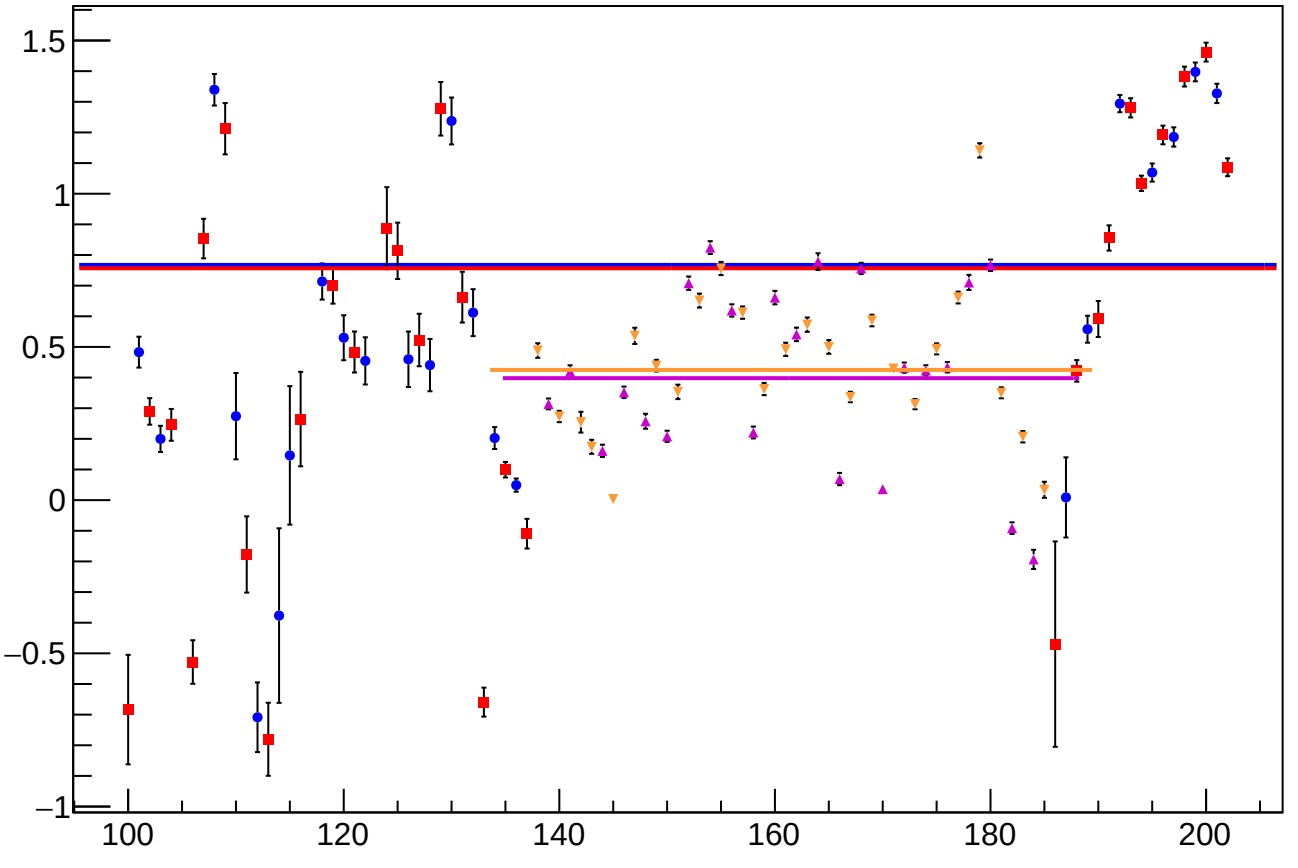
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -78.670+/-0.143 χ^2/NDF: 66321.8/51

In: -73.995+/-0.085 χ^2/NDF:41987.6/45

Out: -74.502+/-0.082 χ^2/NDF:53713.3/53

All: -74.258+/-0.059 χ^2/NDF: 95719.2/99



Right In: 0.768+/-0.009 χ^2/NDF: 3423.0/22

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.757+/-0.009 χ^2/NDF: 4569.7/28

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

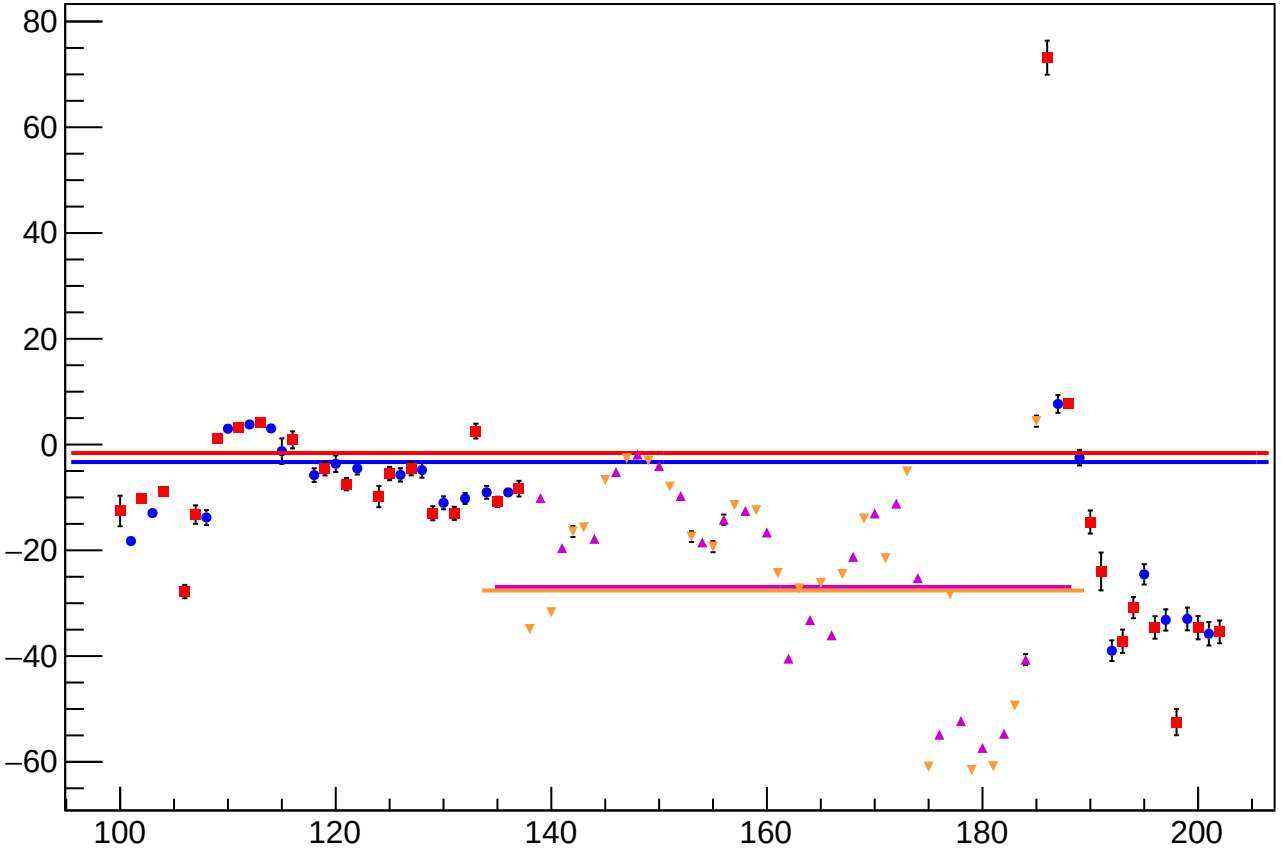
Right: 0.762+/-0.006 χ^2/NDF: 7993.5/51

In: 0.460+/-0.004 χ^2/NDF:9029.7/45

Out: 0.486+/-0.004 χ^2/NDF:8841.7/53

All: 0.473+/-0.003 χ^2/NDF: 17897.3/99

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.310+/-0.185 χ^2/NDF: 2650.8/22

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.601+/-0.163 χ^2/NDF: 3859.0/28

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

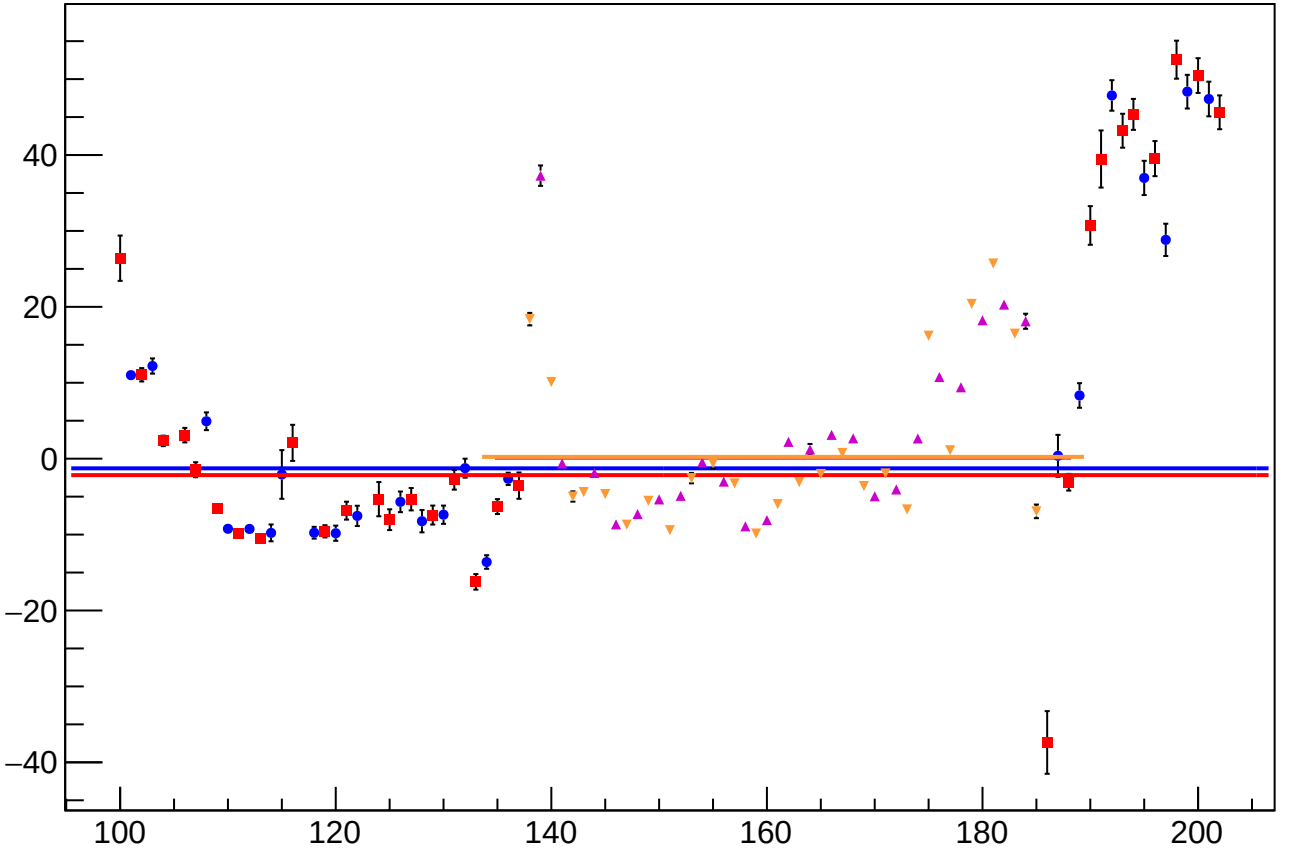
Right: -2.345+/-0.122 χ^2/NDF: 6557.8/51

In: -17.627+/-0.116 χ^2/NDF:28039.8/45

Out: -16.149+/-0.108 χ^2/NDF:37905.6/53

All: -16.834+/-0.079 χ^2/NDF: 66032.2/99

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.273+/-0.217 χ^2/NDF: 3626.3/22

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -2.165+/-0.208 χ^2/NDF: 4272.8/28

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

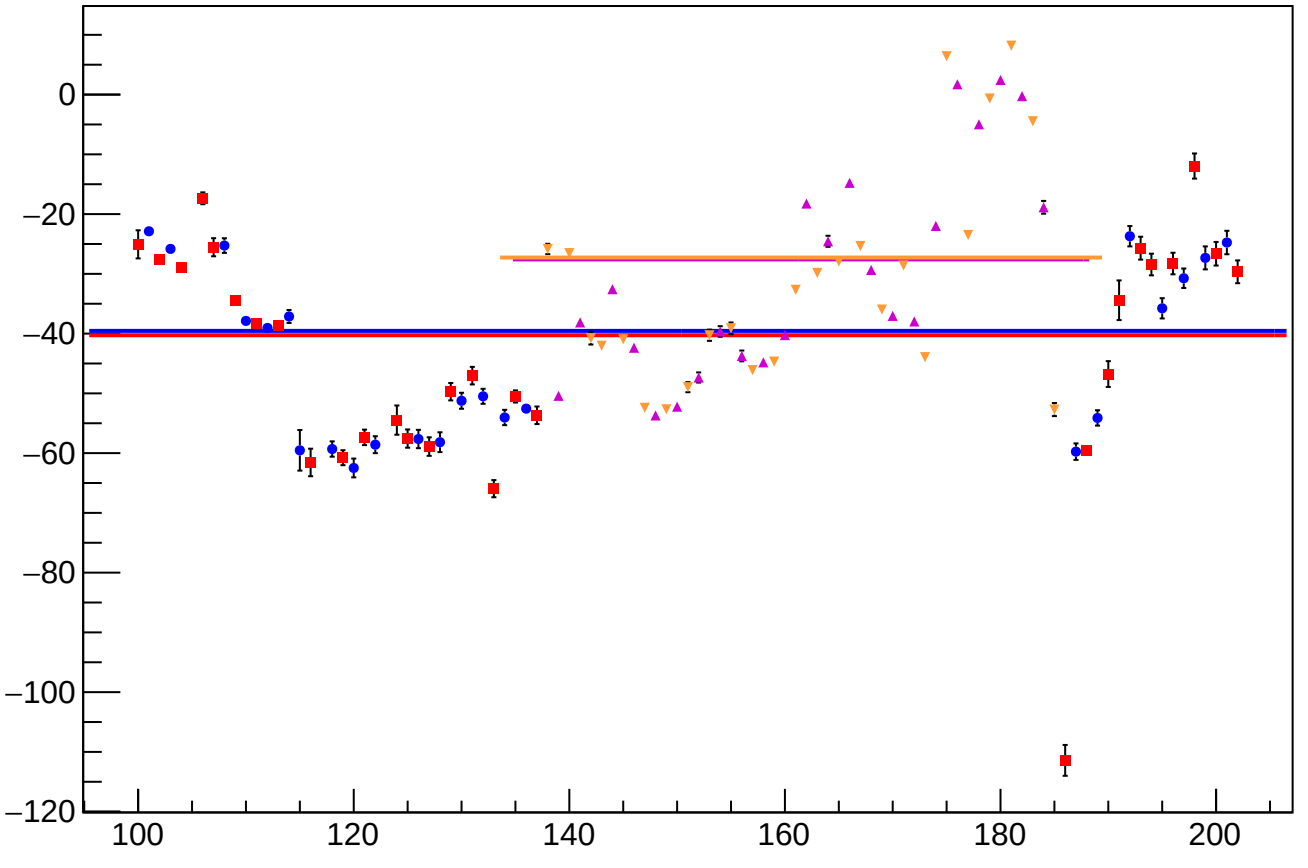
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: -1.739+/-0.150 χ^2/NDF: 7907.9/51

In: -0.174+/-0.101 χ^2/NDF:9496.4/45

Out: -0.291+/-0.097 χ^2/NDF:12412.9/53

All: -0.235+/-0.070 χ^2/NDF: 21910.0/99



Right In: -39.542+/-0.211 χ^2/NDF: 3519.4/22

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.272+/-0.193 χ^2/NDF: 4969.0/28

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

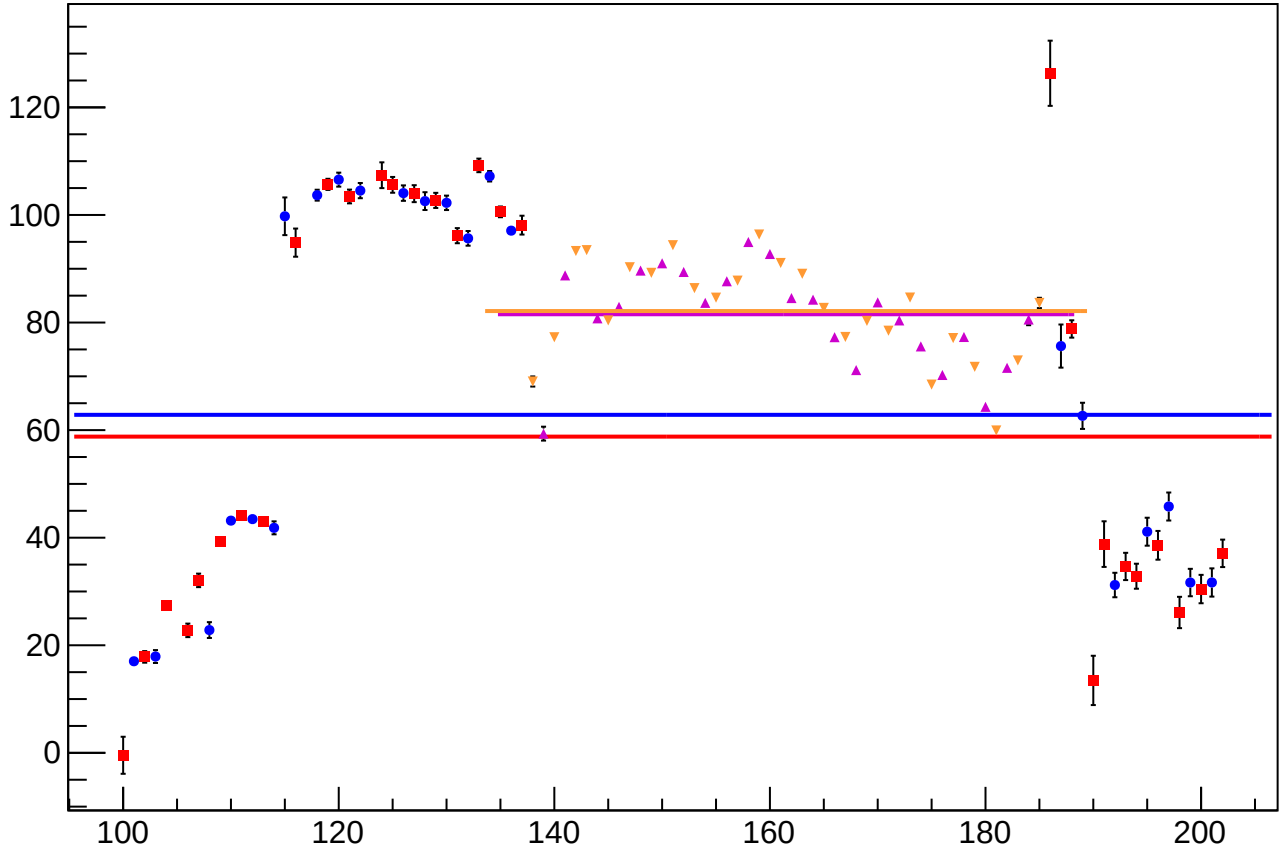
Right: -39.940+/-0.143 χ^2/NDF: 8494.9/51

In: -31.527+/-0.121 χ^2/NDF:21315.8/45

Out: -31.912+/-0.115 χ^2/NDF:26409.9/53

All: -31.729+/-0.084 χ^2/NDF: 47730.9/99

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.842+/-0.249 χ^2/NDF: 19231.2/22

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.791+/-0.239 χ^2/NDF: 18432.1/28

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

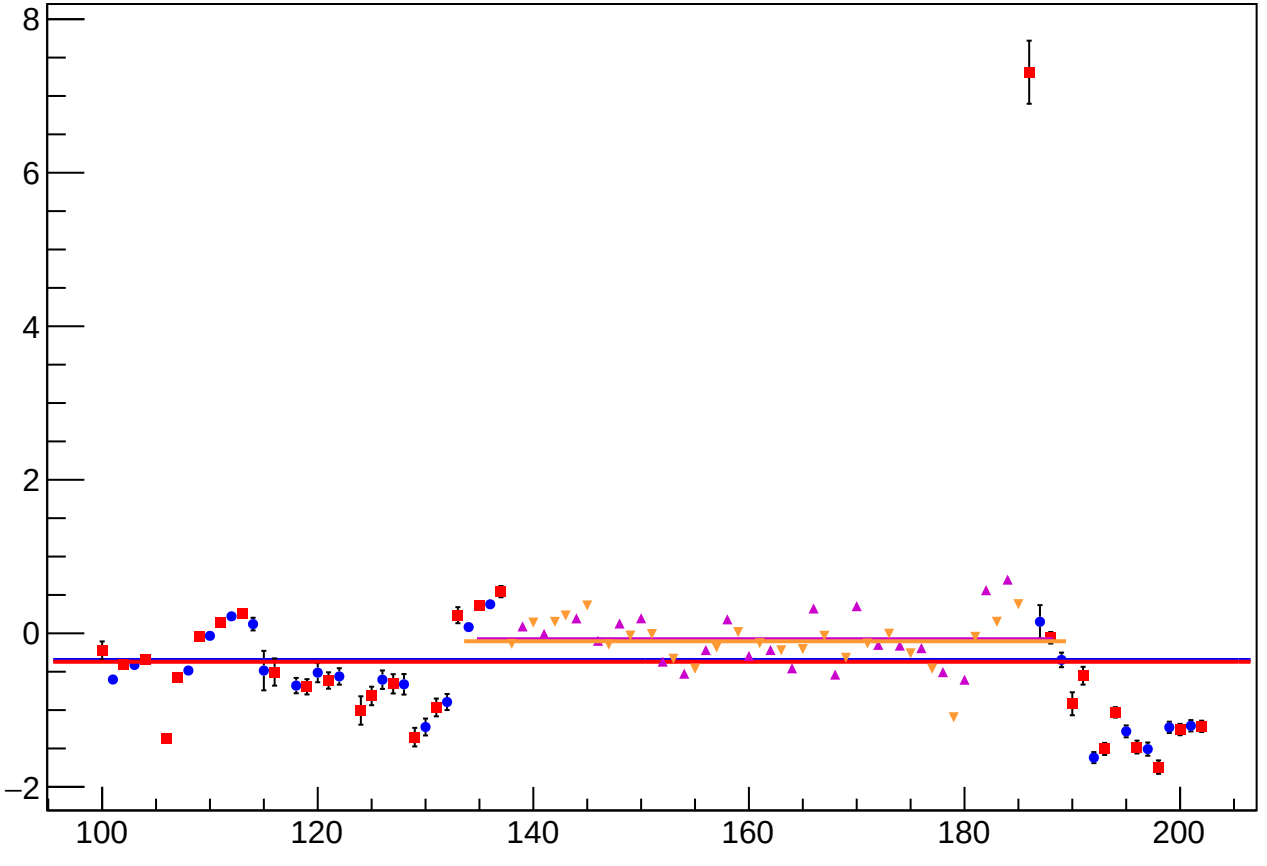
Right: 60.728+/-0.172 χ^2/NDF: 37801.2/51

In: 77.591+/-0.115 χ^2/NDF:27713.7/45

Out: 77.120+/-0.111 χ^2/NDF:31327.0/53

All: 77.347+/-0.080 χ^2/NDF: 59049.4/99

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.347+/-0.012 χ^2/NDF: 1973.8/22

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.370+/-0.012 χ^2/NDF: 2892.1/28

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

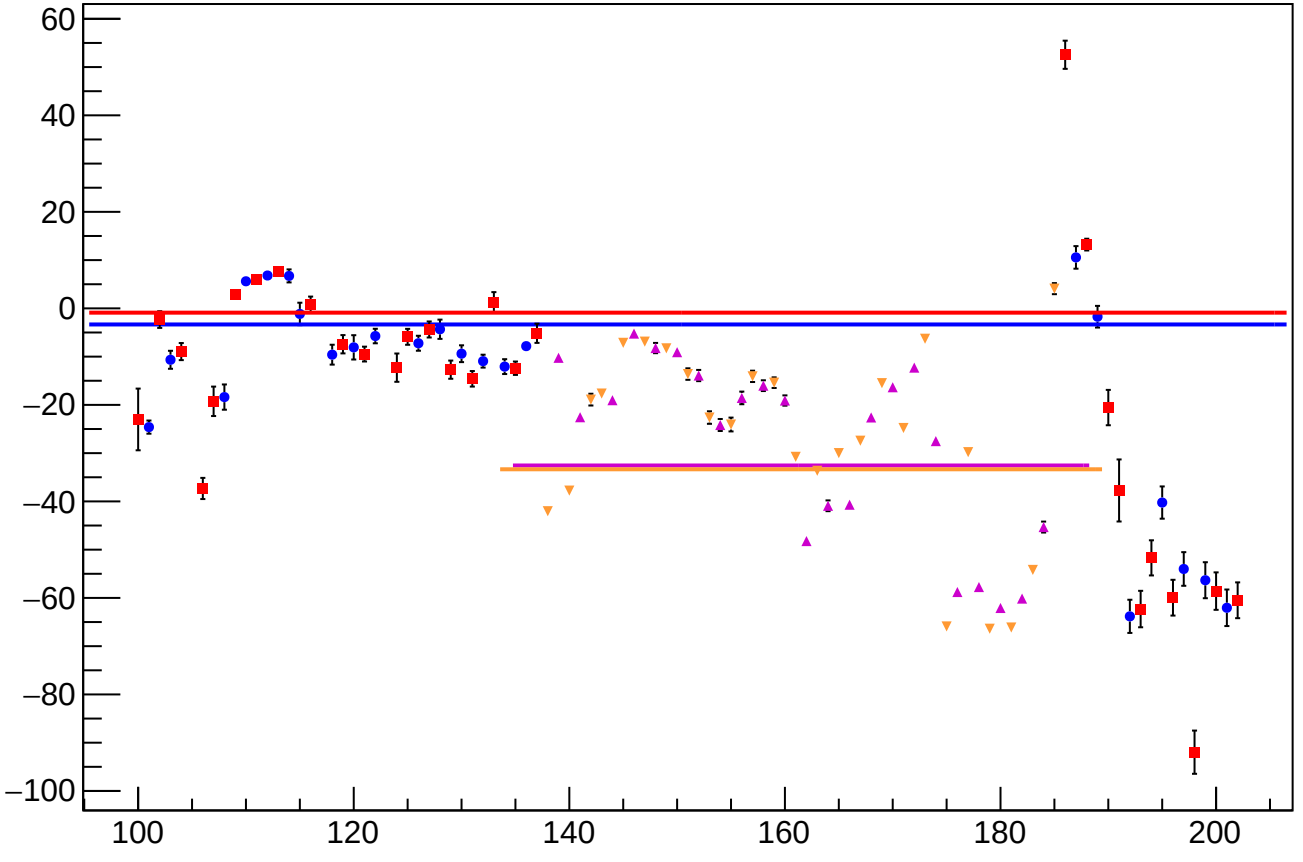
Right: -0.359+/-0.009 χ^2/NDF: 4867.7/51

In: -0.125+/-0.005 χ^2/NDF:5687.5/45

Out: -0.153+/-0.005 χ^2/NDF:5723.9/53

All: -0.139+/-0.004 χ^2/NDF: 11426.6/99

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.336+/-0.297 χ^2/NDF: 2051.0/22

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -0.889+/-0.268 χ^2/NDF: 3079.1/28

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

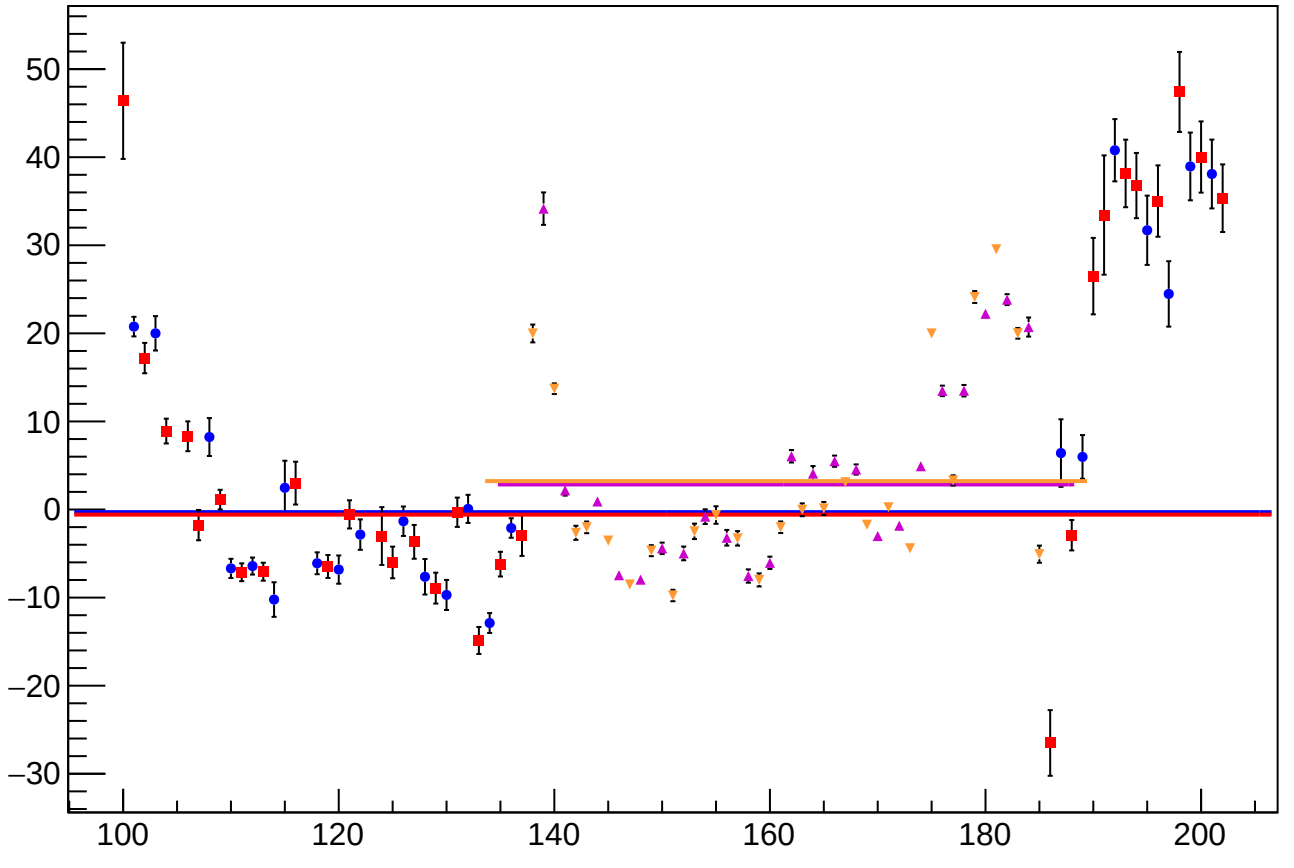
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -1.988+/-0.199 χ^2/NDF: 5167.4/51

In: -25.394+/-0.147 χ^2/NDF:23241.5/45

Out: -24.476+/-0.140 χ^2/NDF:31694.2/53

All: -24.913+/-0.102 χ^2/NDF: 54956.1/99



Right In: -0.299+/-0.344 χ^2/NDF: 1252.2/22

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -0.580+/-0.337 χ^2/NDF: 1172.2/28

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

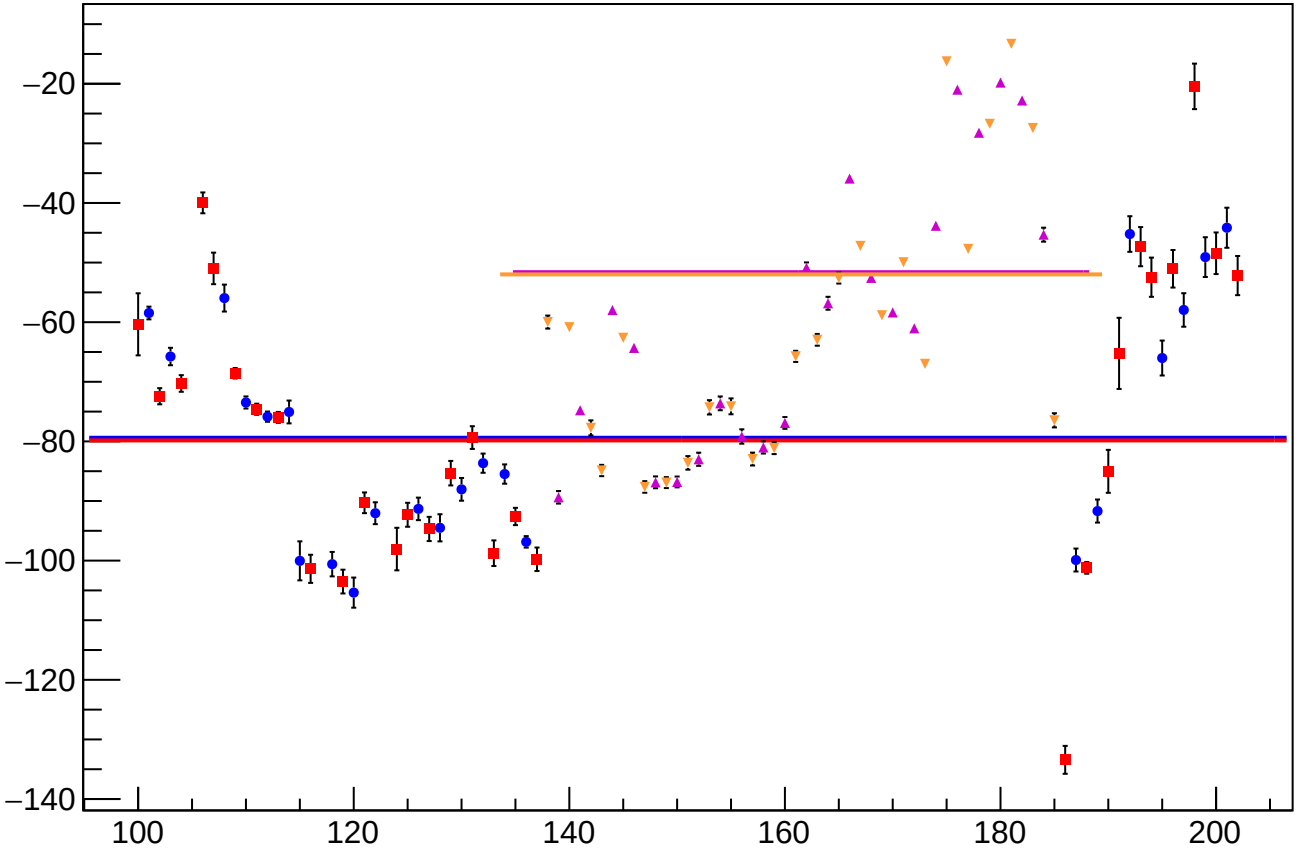
Right: -0.442+/-0.241 χ^2/NDF: 2424.8/51

In: 2.445+/-0.123 χ^2/NDF:6780.7/45

Out: 2.745+/-0.120 χ^2/NDF:8959.0/53

All: 2.598+/-0.086 χ^2/NDF: 15742.7/99

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -79.390+/-0.341 χ^2/NDF: 1947.1/22

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.836+/-0.319 χ^2/NDF: 3235.2/28

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

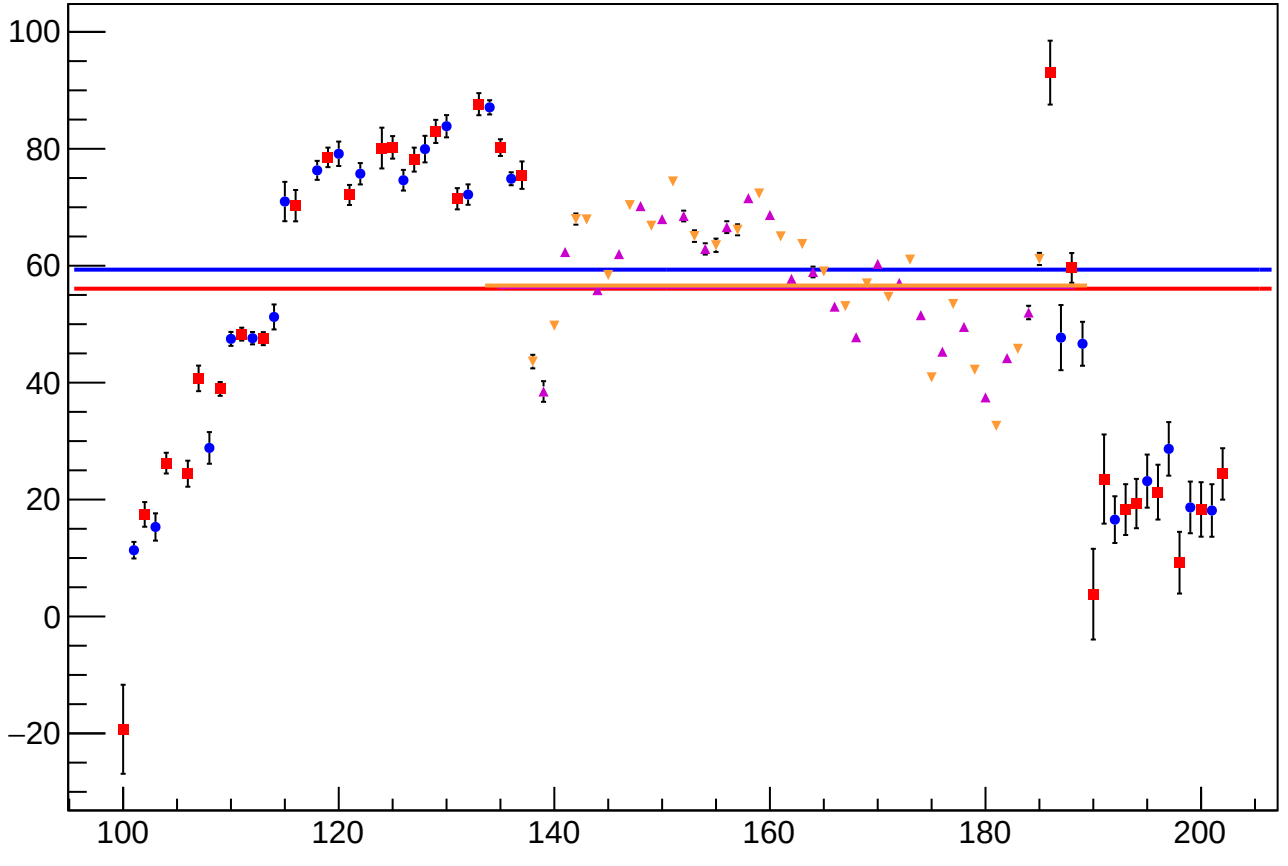
Right: -79.628+/-0.233 χ^2/NDF: 5183.2/51

In: -57.094+/-0.151 χ^2/NDF:24898.3/45

Out: -57.863+/-0.146 χ^2/NDF:30152.8/53

All: -57.491+/-0.105 χ^2/NDF: 55064.4/99

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 59.329+/-0.389 χ^2/NDF: 3656.8/22

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.072+/-0.385 χ^2/NDF: 3306.9/28

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

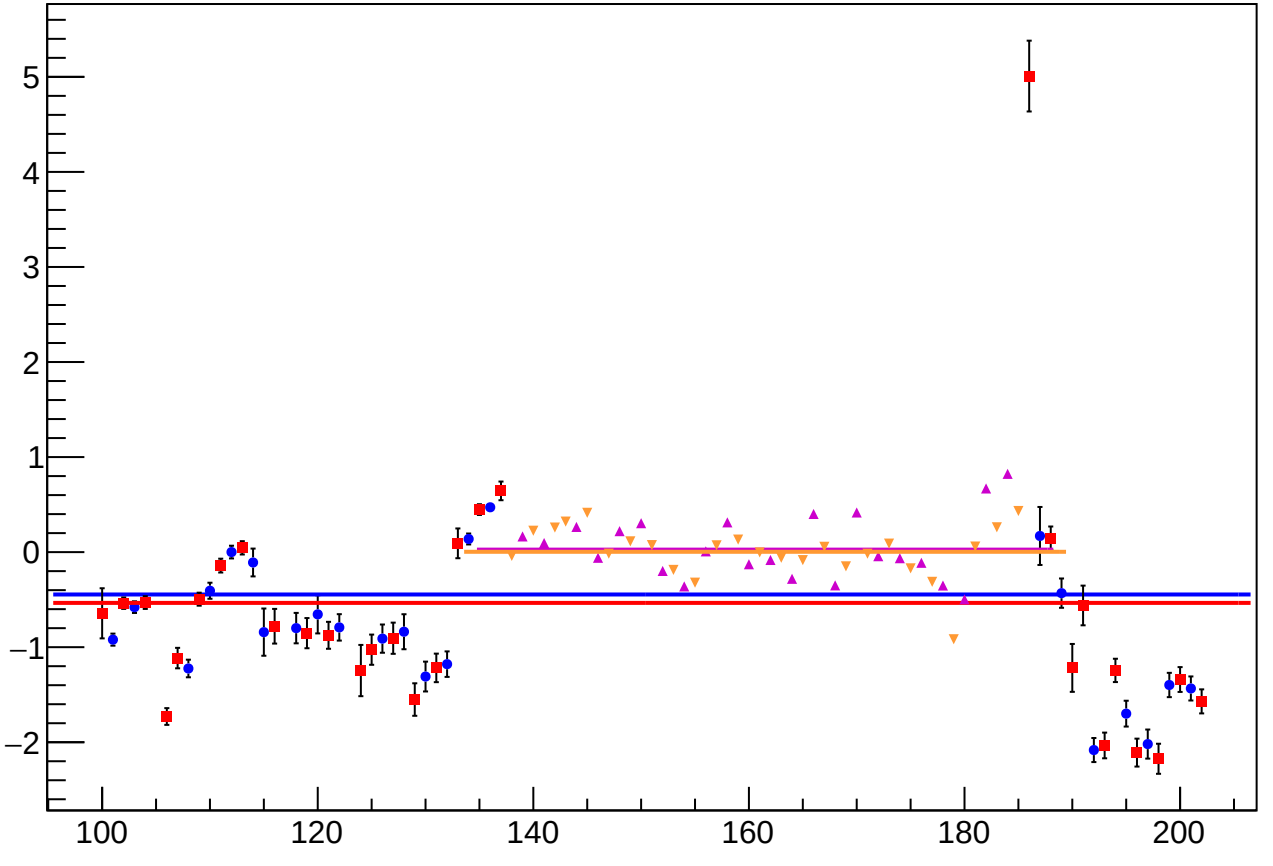
Right: 57.680+/-0.274 χ^2/NDF: 6999.1/51

In: 56.721+/-0.138 χ^2/NDF:7676.7/45

Out: 56.546+/-0.135 χ^2/NDF:8974.8/53

All: 56.632+/-0.096 χ^2/NDF: 16652.3/99

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.446+/-0.020 χ^2/NDF: 1264.4/22

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.534+/-0.020 χ^2/NDF: 1607.7/28

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

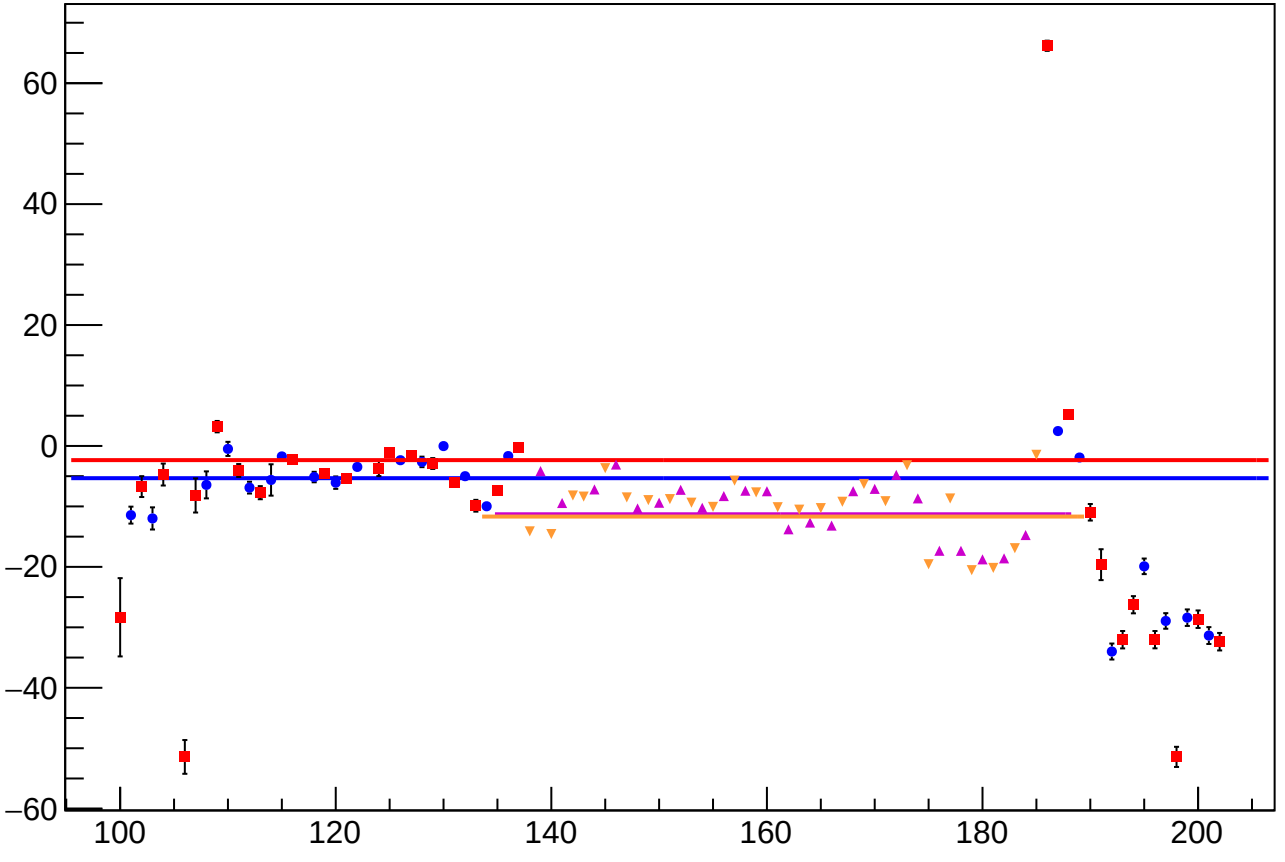
Right: -0.490+/-0.014 χ^2/NDF: 2881.8/51

In: -0.019+/-0.006 χ^2/NDF:4110.7/45

Out: -0.048+/-0.006 χ^2/NDF:3969.2/53

All: -0.034+/-0.004 χ^2/NDF: 8090.2/99

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.330+/-0.171 χ^2/NDF: 1995.5/22

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.343+/-0.168 χ^2/NDF: 10406.0/28

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

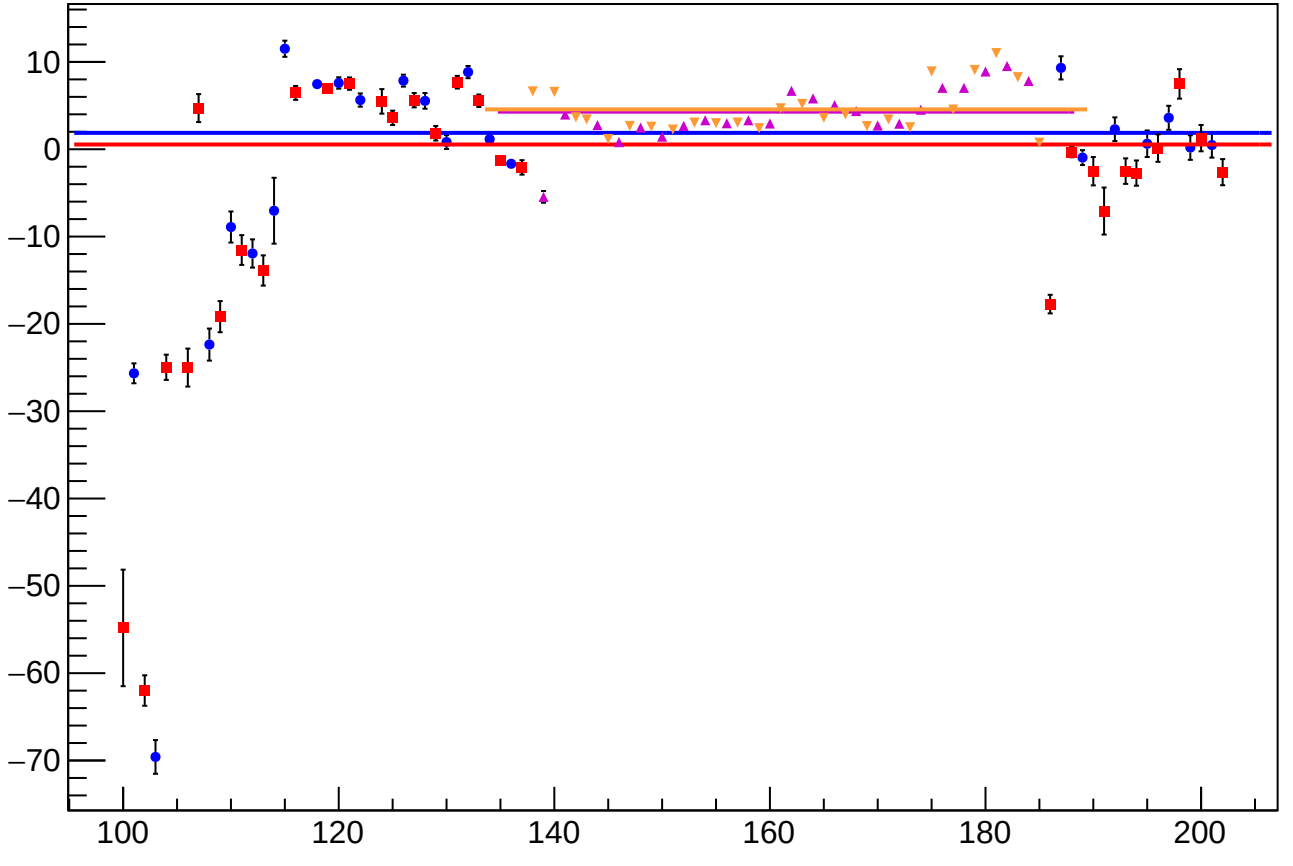
Right: -3.805+/-0.120 χ^2/NDF: 12556.6/51

In: -10.763+/-0.051 χ^2/NDF:12328.3/45

Out: -10.843+/-0.050 χ^2/NDF:25827.8/53

All: -10.804+/-0.036 χ^2/NDF: 38157.3/99

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.876+/-0.176 χ^2/NDF: 2885.4/22

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.545+/-0.183 χ^2/NDF: 2921.9/28

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

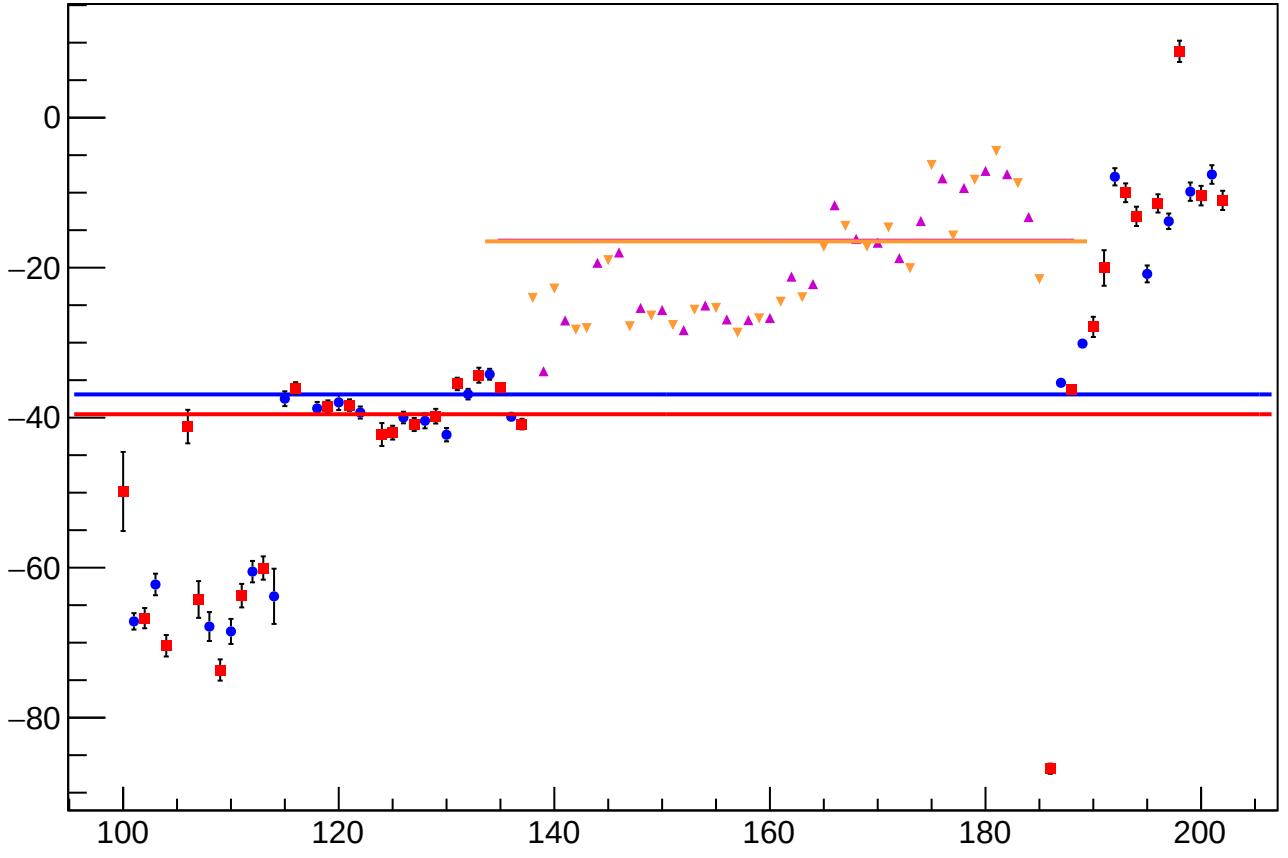
Right: 1.238+/-0.127 χ^2/NDF: 5834.9/51

In: 4.176+/-0.041 χ^2/NDF:6675.7/45

Out: 4.368+/-0.040 χ^2/NDF:7736.6/53

All: 4.274+/-0.029 χ^2/NDF: 14423.5/99

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -36.900+/-0.178 χ^2/NDF: 4678.3/22

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -39.543+/-0.171 χ^2/NDF: 10899.7/28

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

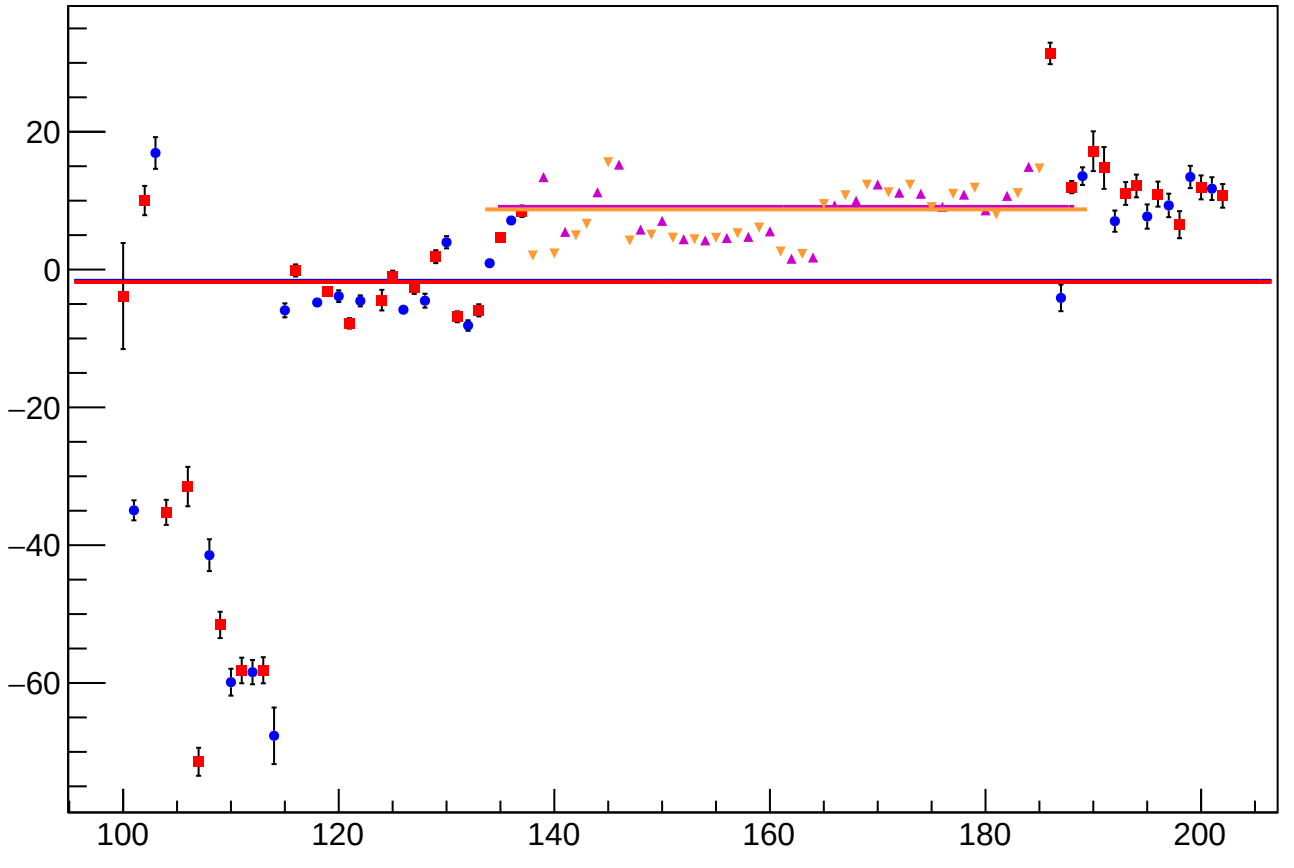
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -38.274+/-0.123 χ^2/NDF: 15692.7/51

In: -18.126+/-0.052 χ^2/NDF:34859.1/45

Out: -18.497+/-0.050 χ^2/NDF:49470.9/53

All: -18.316+/-0.036 χ^2/NDF: 84356.6/99



Right In: -1.635+/-0.198 χ^2/NDF: 4158.7/22

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -1.800+/-0.211 χ^2/NDF: 5651.4/28

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

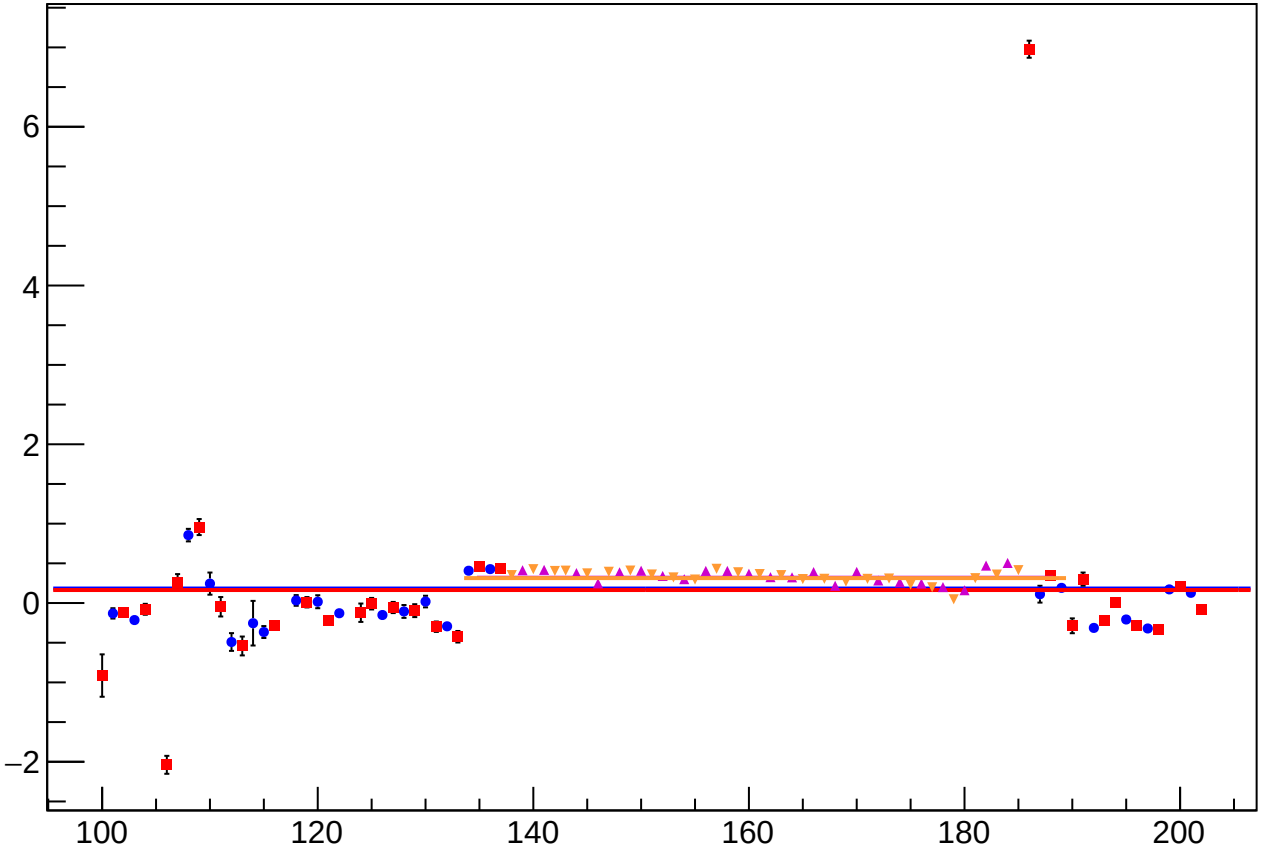
Right: -1.712+/-0.144 χ^2/NDF: 9810.4/51

In: 8.523+/-0.046 χ^2/NDF:12673.2/45

Out: 8.252+/-0.045 χ^2/NDF:14908.8/53

All: 8.385+/-0.032 χ^2/NDF: 27599.7/99

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.183+/-0.010 χ^2/NDF: 905.1/22

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.164+/-0.011 χ^2/NDF: 5302.8/28

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

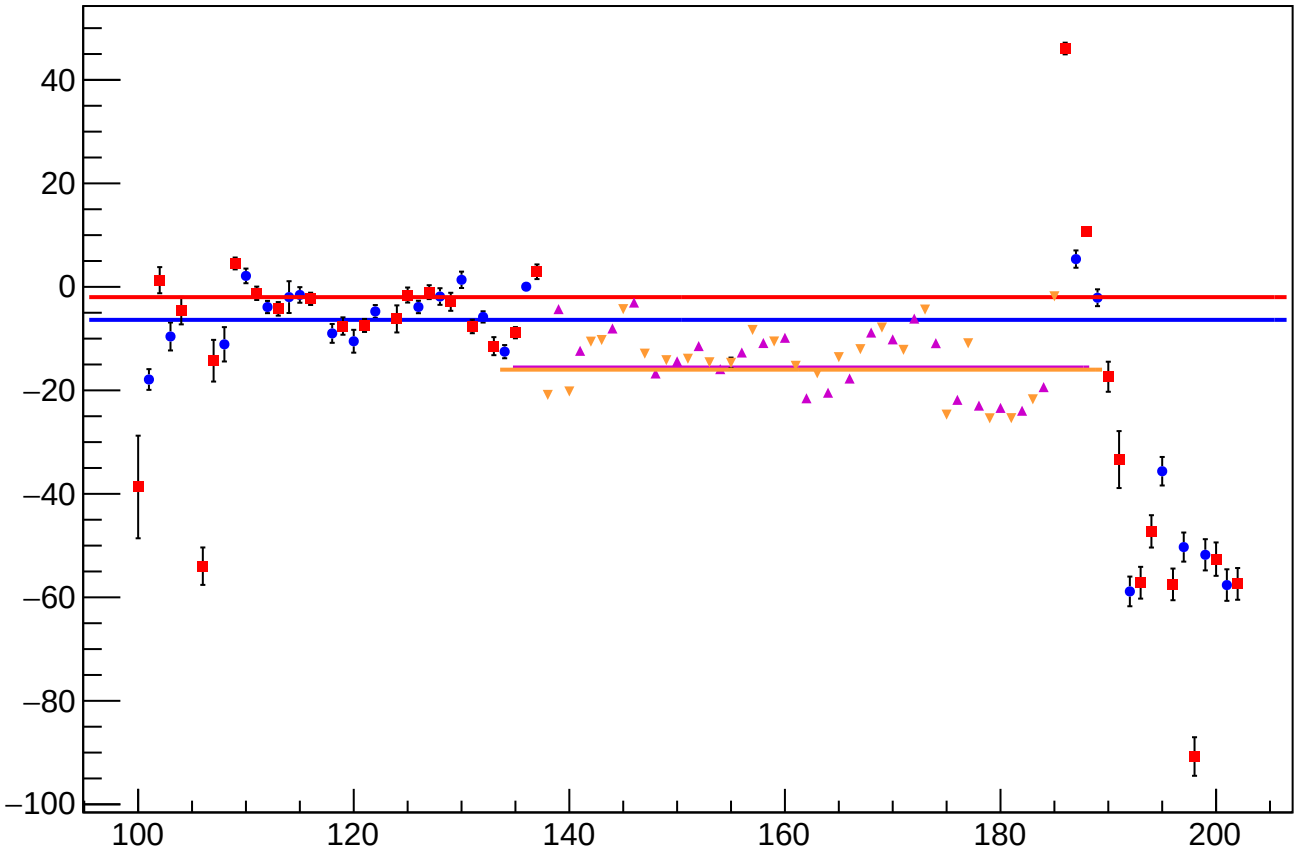
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.174+/-0.007 χ^2/NDF: 6209.6/51

In: 0.313+/-0.002 χ^2/NDF:2870.9/45

Out: 0.309+/-0.002 χ^2/NDF:7095.2/53

All: 0.311+/-0.001 χ^2/NDF: 9968.3/99



Right In: -6.375+/-0.321 χ^2/NDF: 1495.8/22

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -1.983+/-0.307 χ^2/NDF: 4469.1/28

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

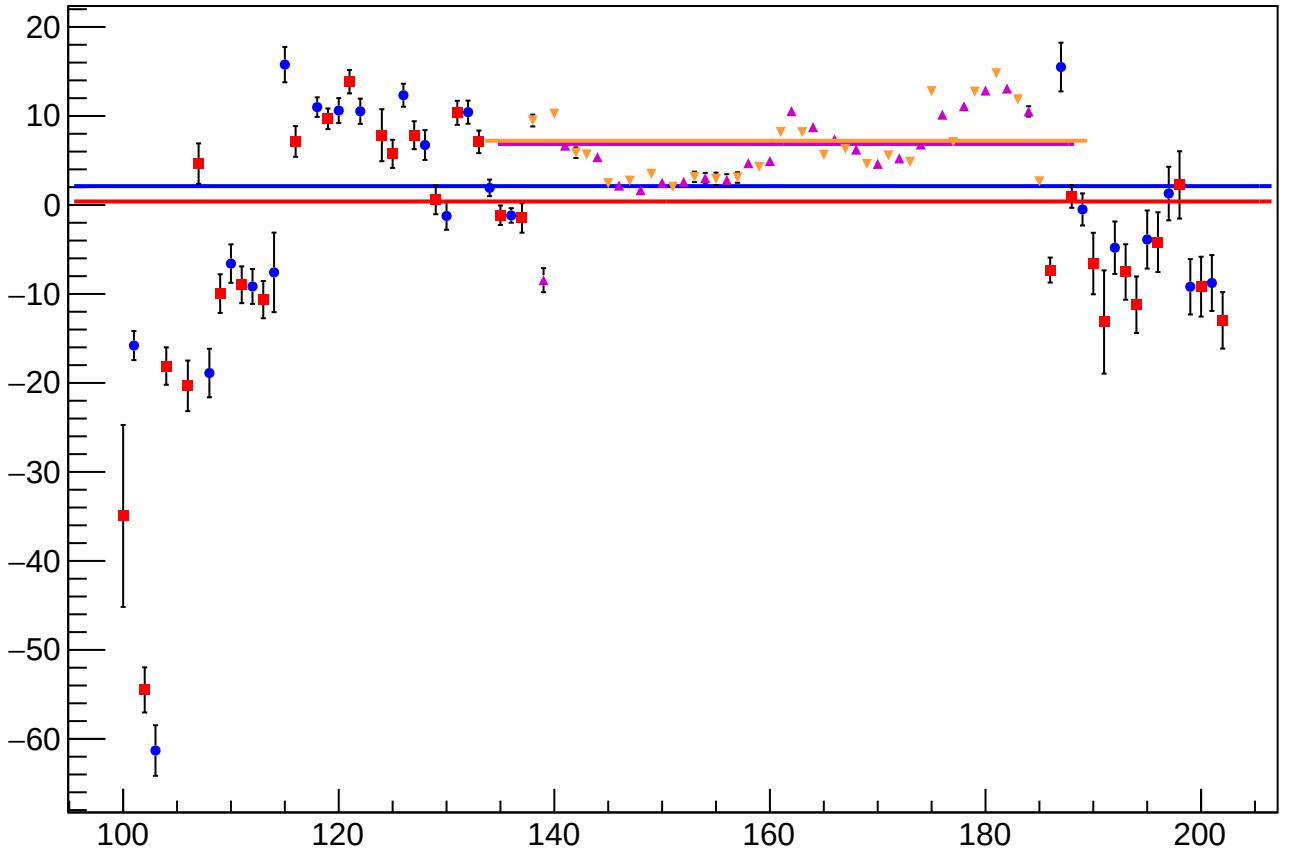
Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

Right: -4.081+/-0.222 χ^2/NDF: 6062.5/51

In: -14.740+/-0.097 χ^2/NDF:7001.4/45

Out: -14.673+/-0.095 χ^2/NDF:12316.2/53

All: -14.705+/-0.068 χ^2/NDF: 19317.8/99



Right In: 2.116+/-0.337 χ^2/NDF: 1107.9/22

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.392+/-0.343 χ^2/NDF: 1082.7/28

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

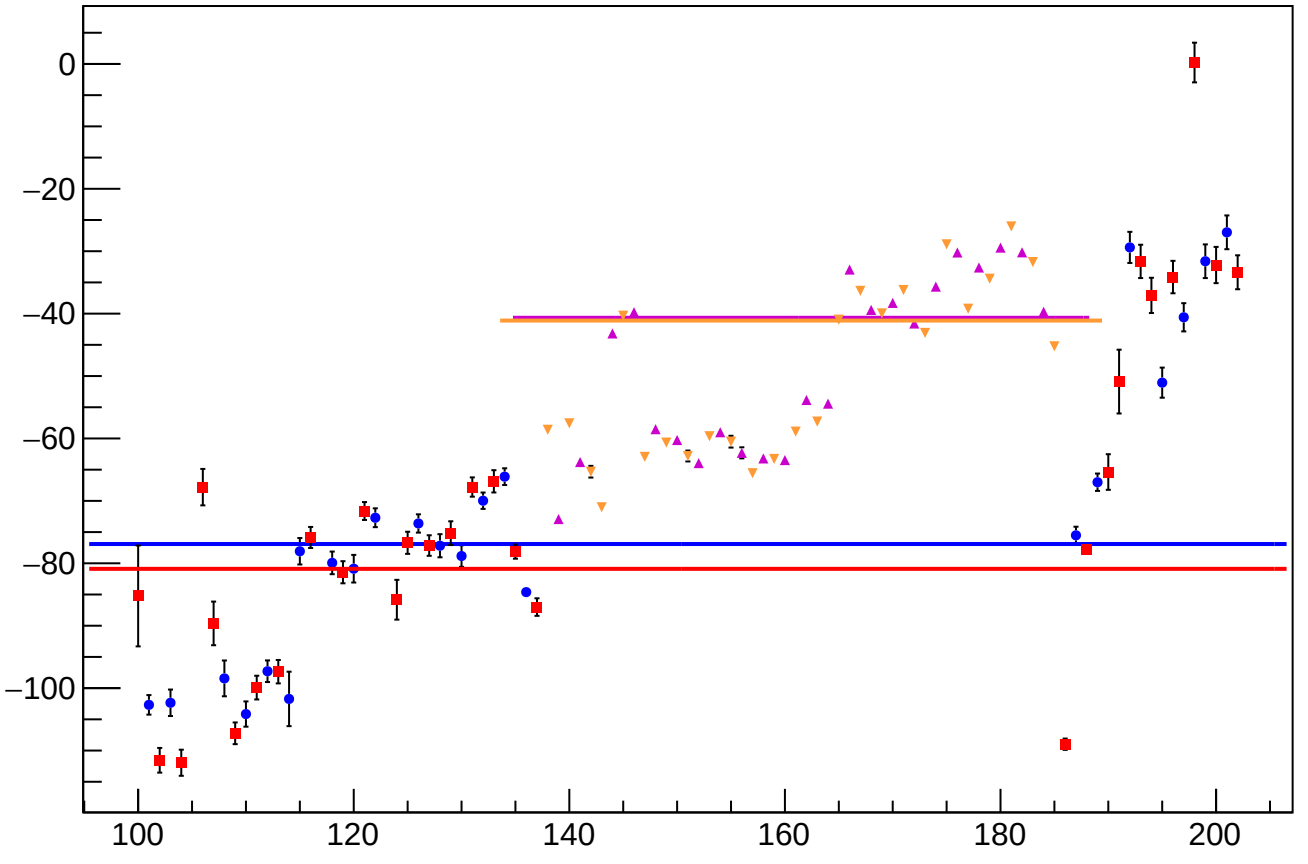
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 1.270+/-0.240 χ^2/NDF: 2203.4/51

In: 6.596+/-0.079 χ^2/NDF:3451.6/45

Out: 6.860+/-0.078 χ^2/NDF:3913.2/53

All: 6.729+/-0.055 χ^2/NDF: 7370.4/99



Right In: -76.913+/-0.341 χ^2/NDF: 2464.3/22

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -80.888+/-0.319 χ^2/NDF: 4314.0/28

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

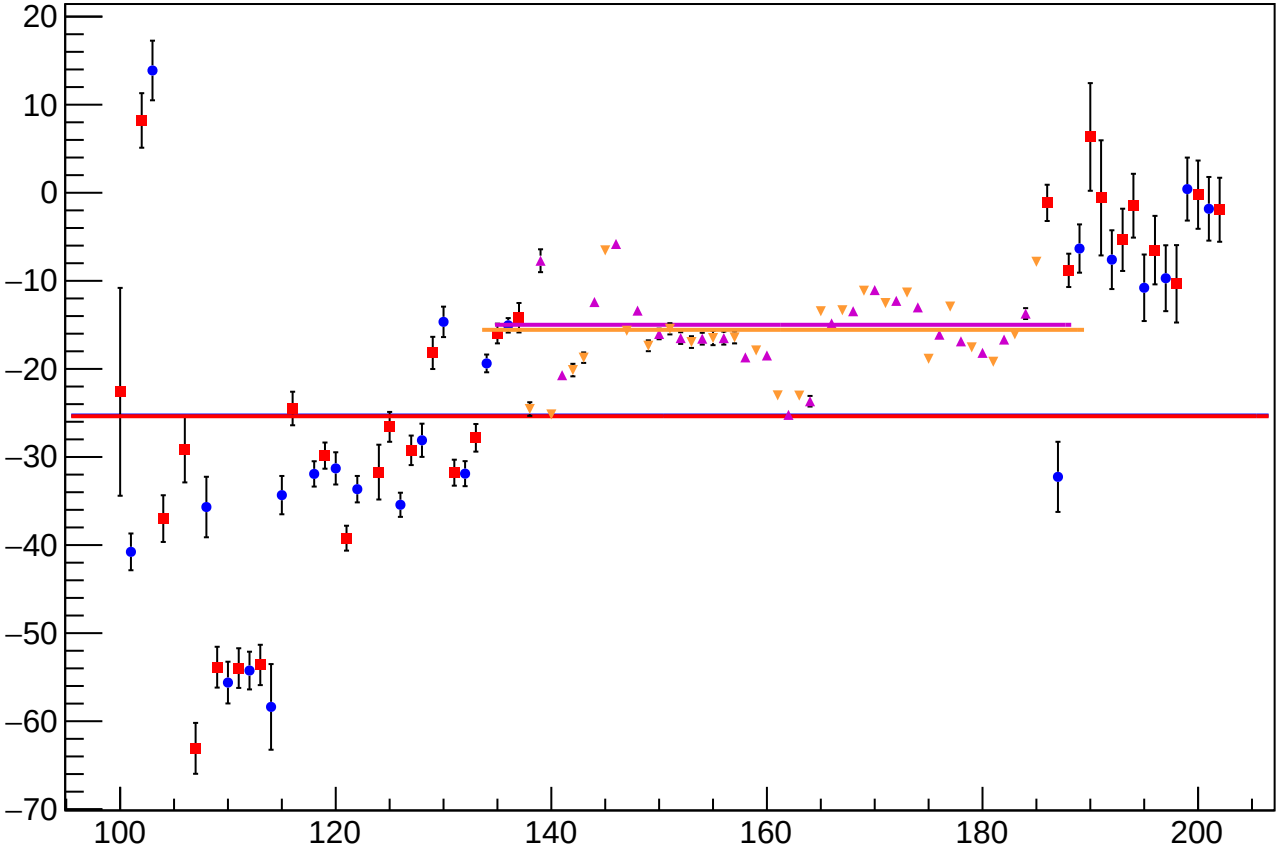
Right: -79.032+/-0.233 χ^2/NDF: 6851.0/51

In: -43.660+/-0.098 χ^2/NDF:26395.6/45

Out: -44.676+/-0.095 χ^2/NDF:34494.8/53

All: -44.181+/-0.068 χ^2/NDF: 60945.6/99

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -25.292+/-0.379 χ^2/NDF: 1182.9/22

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -25.373+/-0.396 χ^2/NDF: 1491.2/28

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

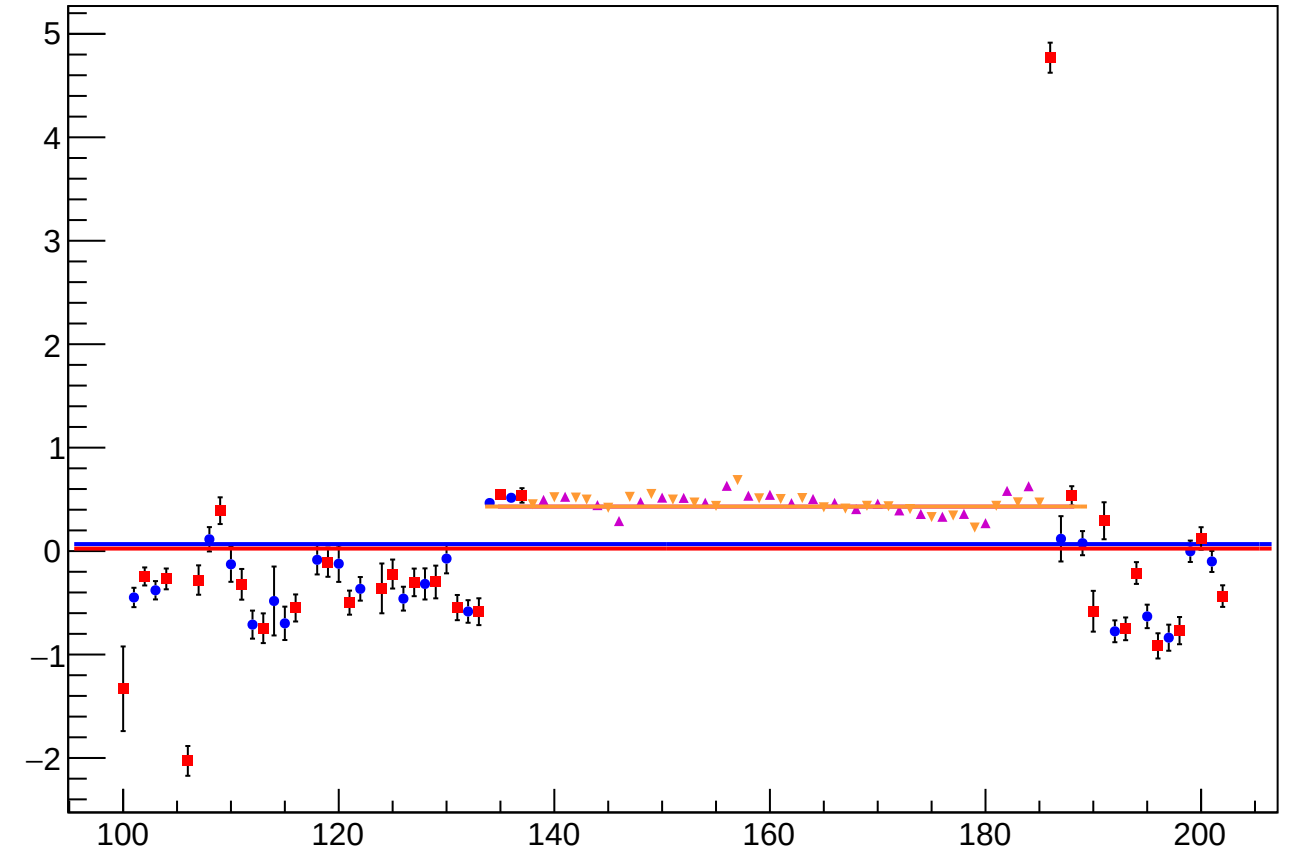
Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

Right: -25.331+/-0.274 χ^2/NDF: 2674.2/51

In: -15.544+/-0.088 χ^2/NDF:4034.0/45

Out: -16.032+/-0.087 χ^2/NDF:4623.9/53

All: -15.791+/-0.062 χ^2/NDF: 8673.5/99



Right In: 0.068+/-0.019 χ^2/NDF: 598.7/22

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.024+/-0.021 χ^2/NDF: 1853.8/28

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

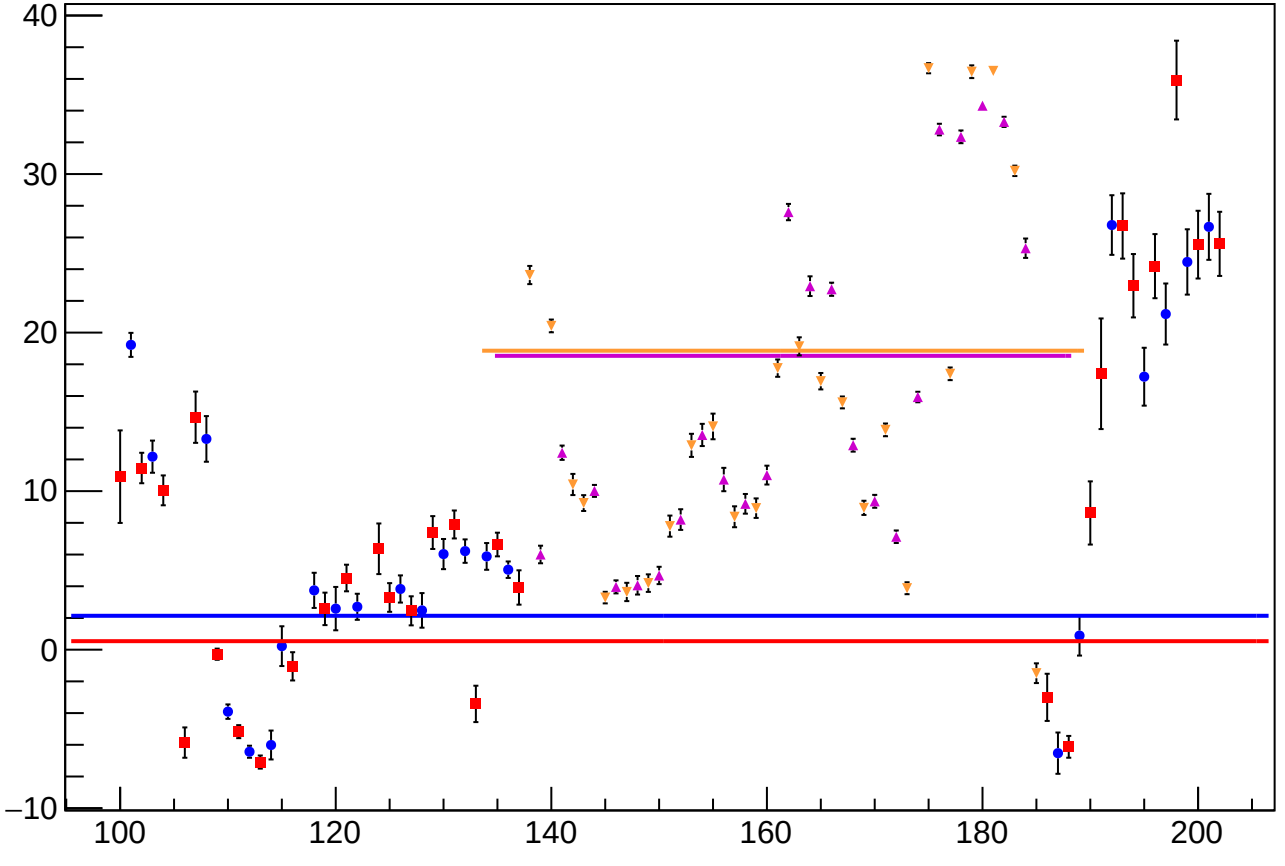
Right: 0.047+/-0.014 χ^2/NDF: 2454.9/51

In: 0.415+/-0.004 χ^2/NDF:1521.6/45

Out: 0.416+/-0.004 χ^2/NDF:2649.8/53

All: 0.415+/-0.003 χ^2/NDF: 4171.4/99

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.138+/-0.176 χ^2/NDF: 2177.0/22

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.537+/-0.158 χ^2/NDF: 2218.8/28

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

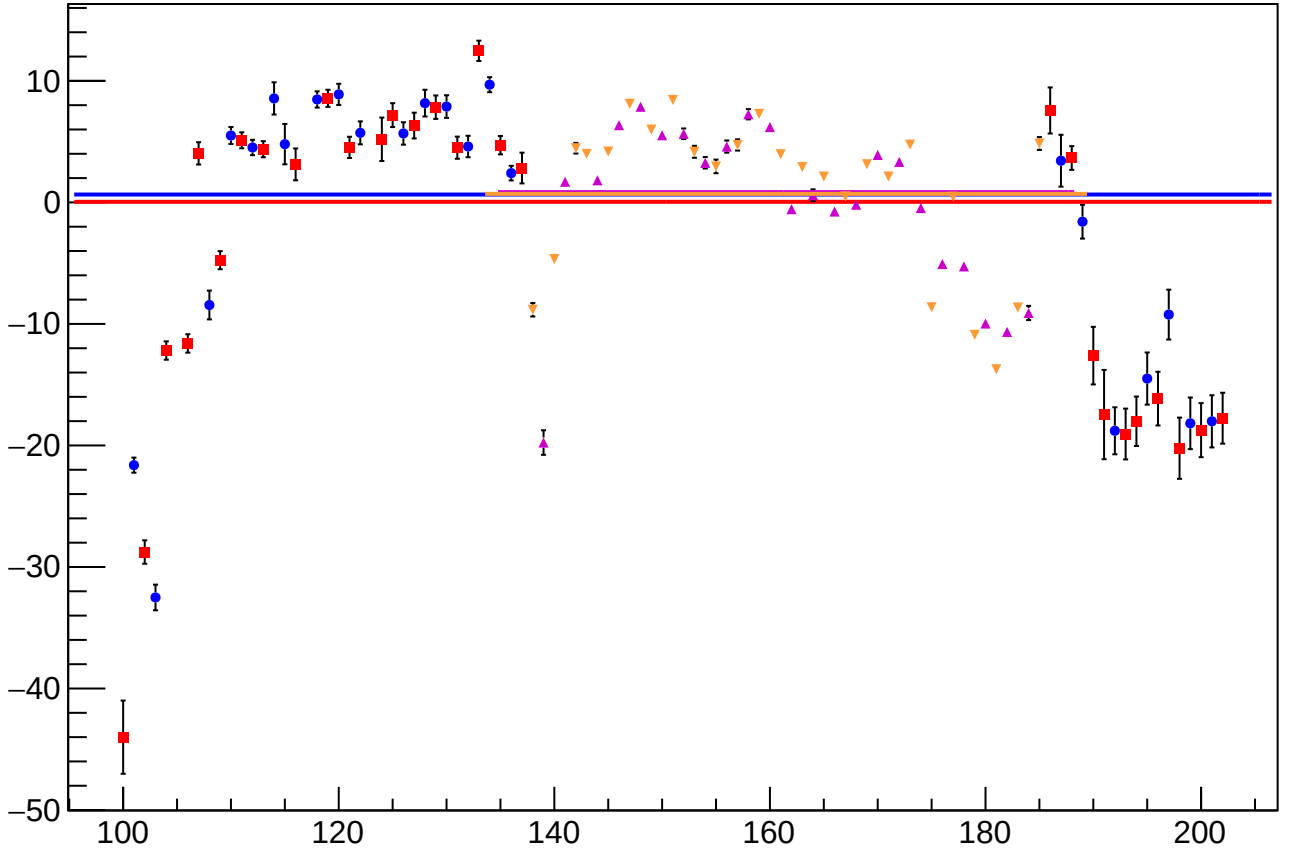
Right: 1.253+/-0.118 χ^2/NDF: 4441.6/51

In: 14.935+/-0.082 χ^2/NDF:23034.8/45

Out: 14.349+/-0.078 χ^2/NDF:30699.9/53

All: 14.628+/-0.057 χ^2/NDF: 53761.2/99

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.648+/-0.196 χ^2/NDF: 3428.5/22

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.048+/-0.191 χ^2/NDF: 2899.7/28

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

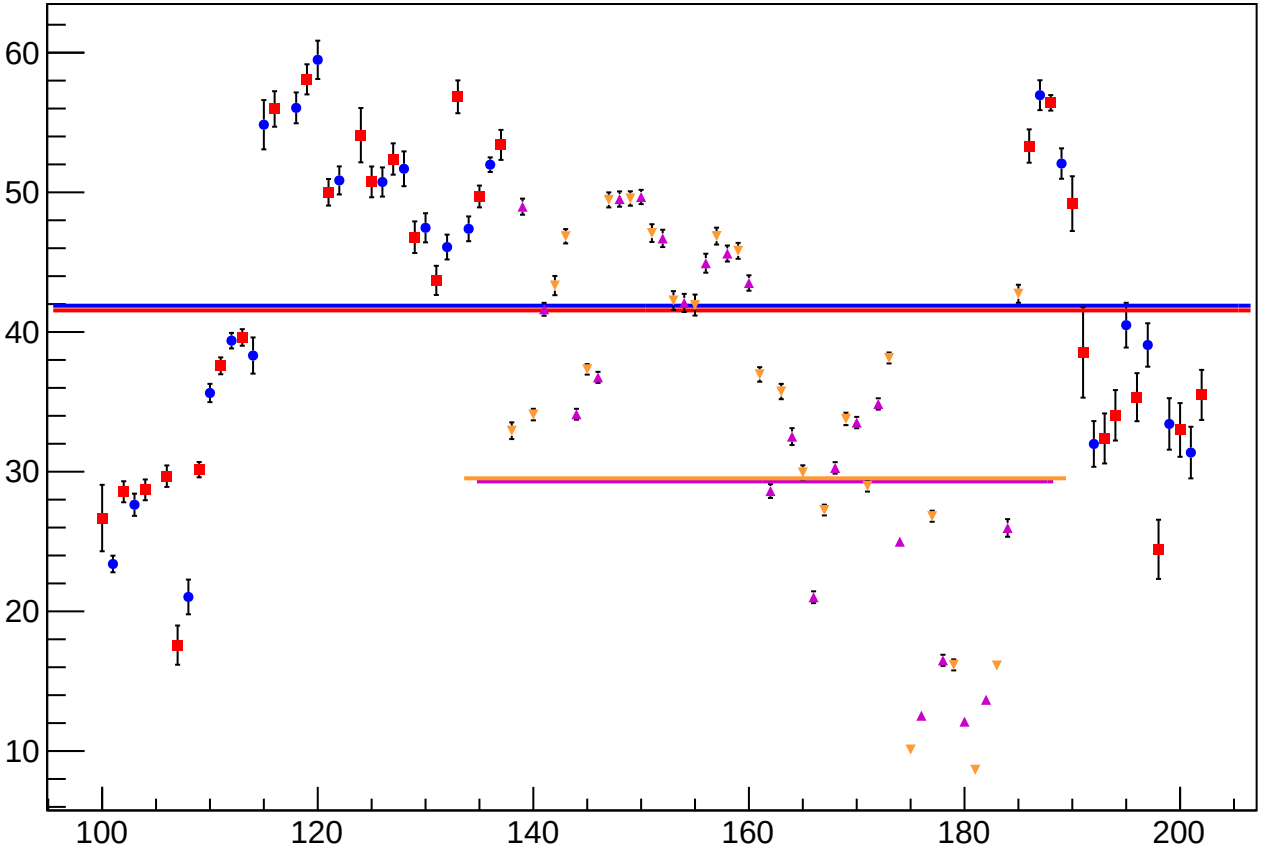
Right: 0.341+/-0.137 χ^2/NDF: 6333.0/51

In: 0.823+/-0.068 χ^2/NDF:9474.8/45

Out: 0.624+/-0.066 χ^2/NDF:11147.8/53

All: 0.721+/-0.047 χ^2/NDF: 20627.0/99

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.885+/-0.196 χ^2/NDF: 3131.0/22

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.548+/-0.181 χ^2/NDF: 3711.3/28

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

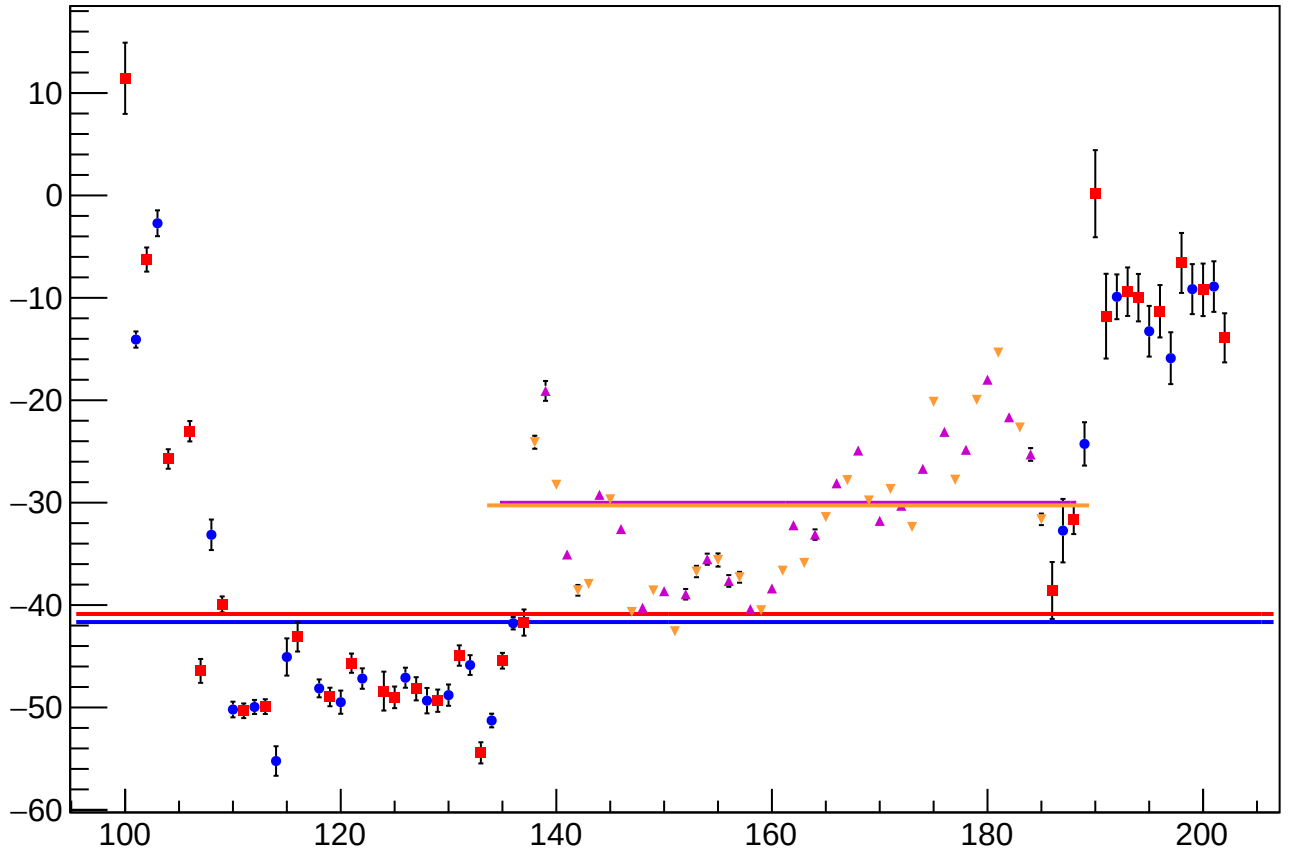
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 41.703+/-0.133 χ^2/NDF: 6843.9/51

In: 31.620+/-0.084 χ^2/NDF:24360.8/45

Out: 31.923+/-0.081 χ^2/NDF:28307.1/53

All: 31.777+/-0.058 χ^2/NDF: 52674.7/99



Right In: -41.659+/-0.222 χ^2/NDF: 3910.5/22

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.870+/-0.220 χ^2/NDF: 3617.7/28

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

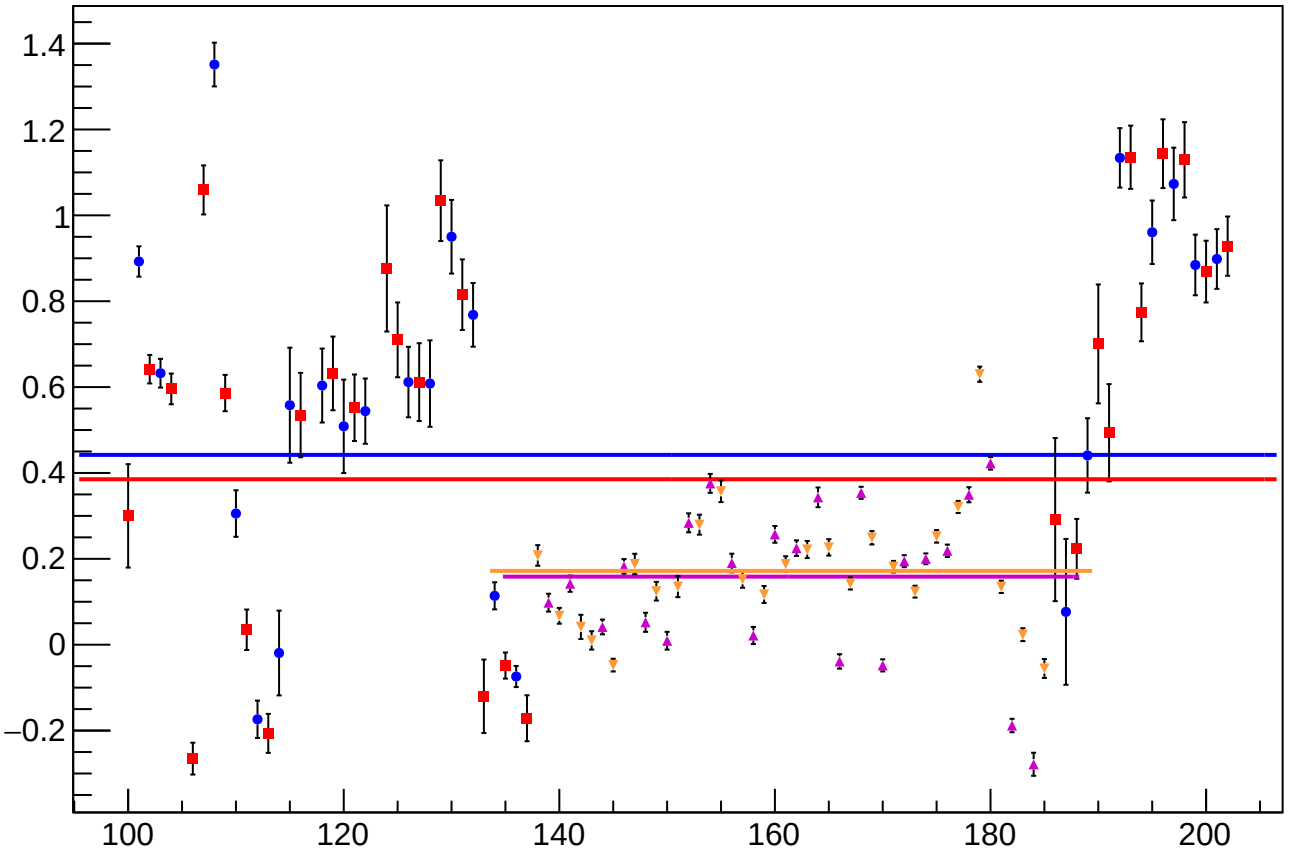
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -41.259+/-0.156 χ^2/NDF: 7534.5/51

In: -31.384+/-0.076 χ^2/NDF:12411.1/45

Out: -31.490+/-0.075 χ^2/NDF:14181.0/53

All: -31.438+/-0.053 χ^2/NDF: 26593.1/99



Right In: 0.442+/-0.011 χ^2/NDF: 1649.4/22

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.385+/-0.011 χ^2/NDF: 1675.8/28

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

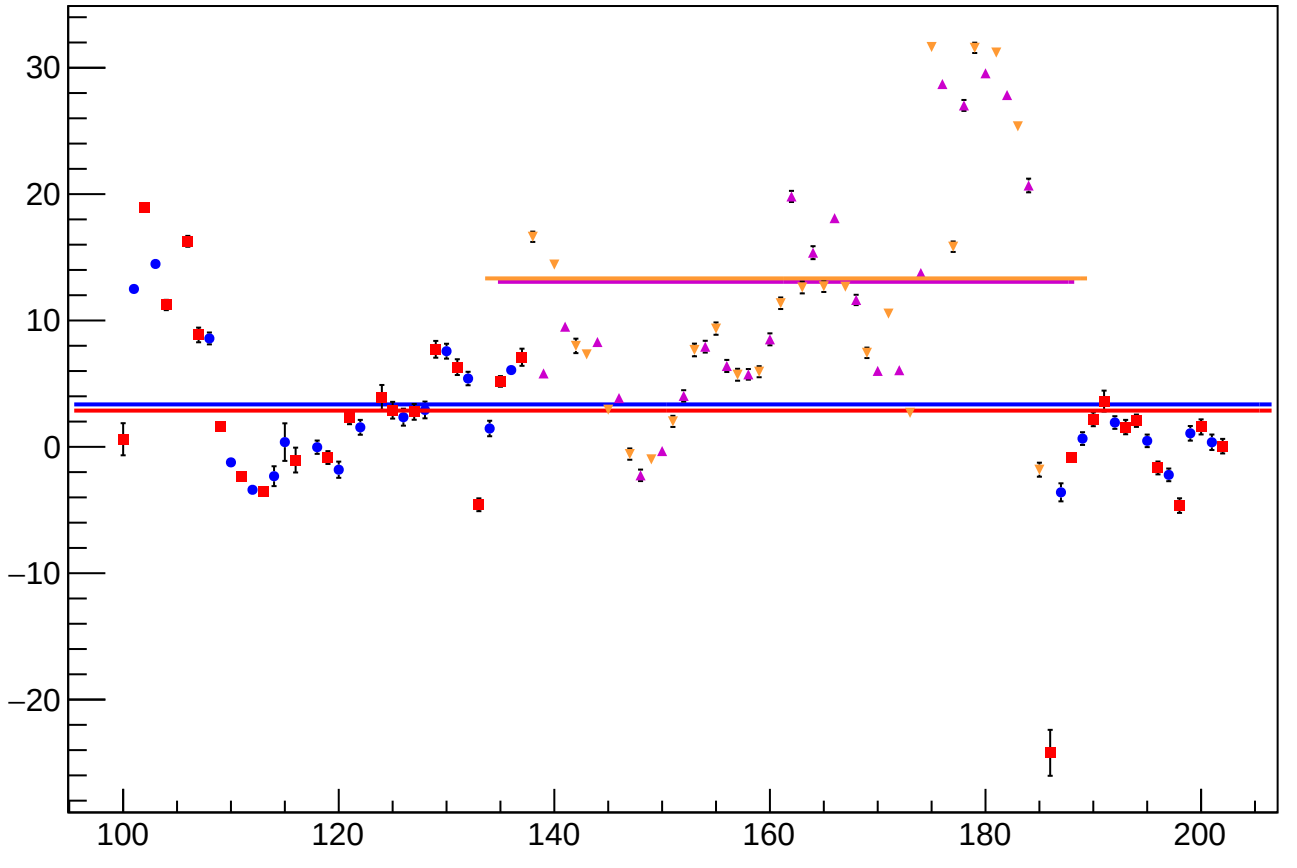
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.413+/-0.008 χ^2/NDF: 3338.2/51

In: 0.185+/-0.003 χ^2/NDF:4407.0/45

Out: 0.192+/-0.003 χ^2/NDF:3518.6/53

All: 0.189+/-0.002 χ^2/NDF: 7927.7/99



Right In: 3.359+/-0.102 χ^2/NDF: 3035.3/22

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.869+/-0.090 χ^2/NDF: 5106.1/28

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

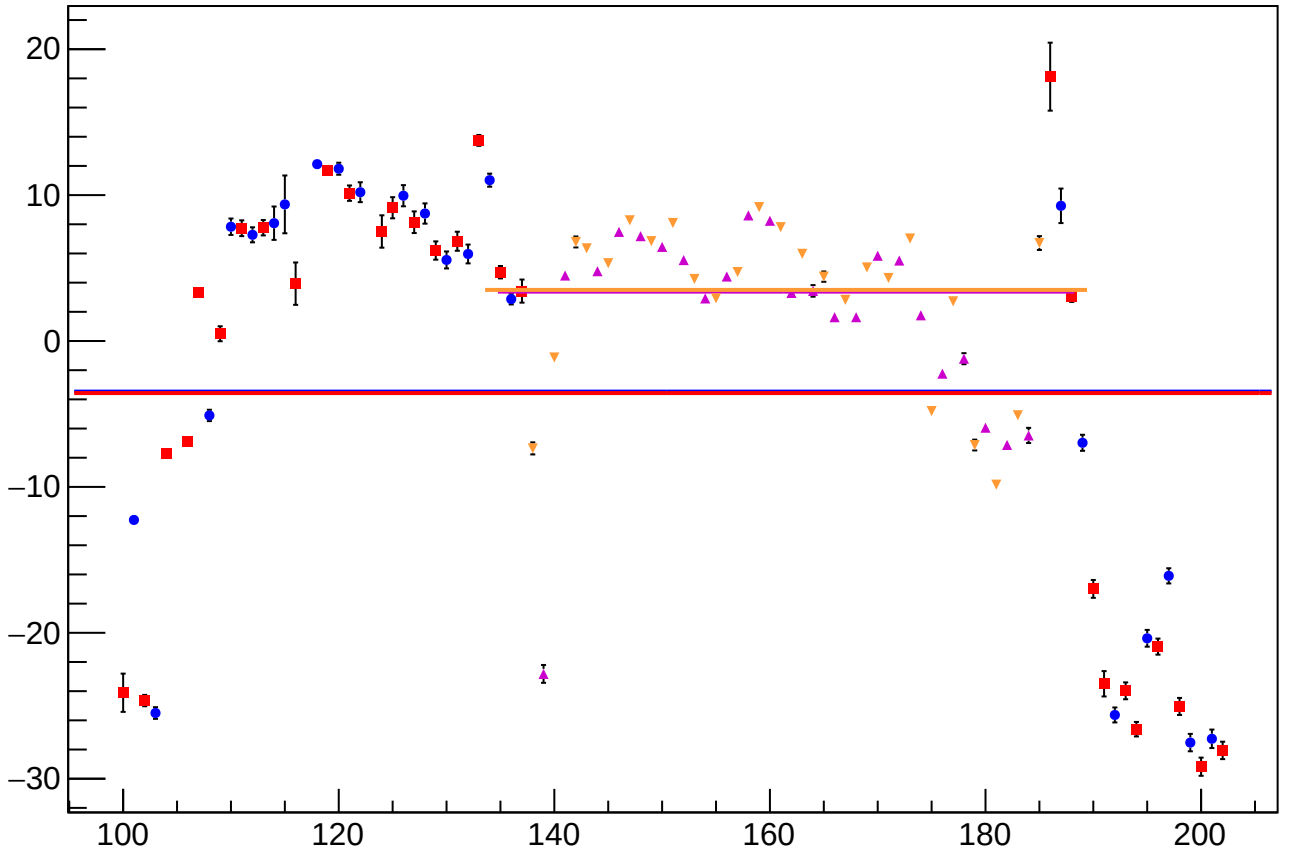
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.083+/-0.067 χ^2/NDF: 8154.4/51

In: 9.392+/-0.063 χ^2/NDF:24253.7/45

Out: 8.913+/-0.058 χ^2/NDF:32381.4/53

All: 9.136+/-0.043 χ^2/NDF: 56666.4/99



Right In: -3.468+/-0.103 χ^2/NDF: 18267.8/22

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -3.569+/-0.095 χ^2/NDF: 21956.7/28

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

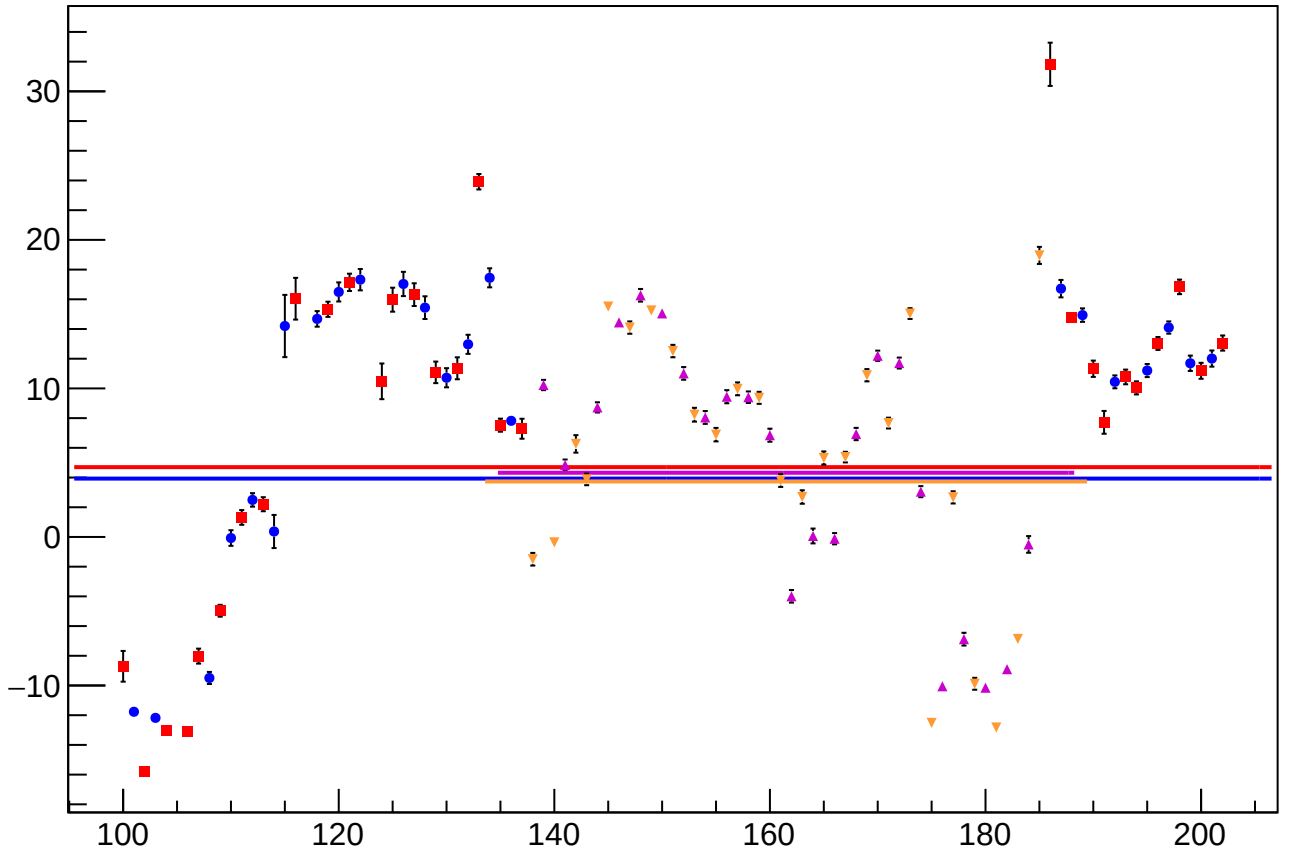
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -3.522+/-0.070 χ^2/NDF: 40225.0/51

In: 1.606+/-0.052 χ^2/NDF:28252.4/45

Out: 1.554+/-0.050 χ^2/NDF:33885.0/53

All: 1.579+/-0.036 χ^2/NDF: 62138.0/99



Right In: 3.930+/-0.099 χ^2/NDF: 12992.0/22

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 4.700+/-0.088 χ^2/NDF: 19547.0/28

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

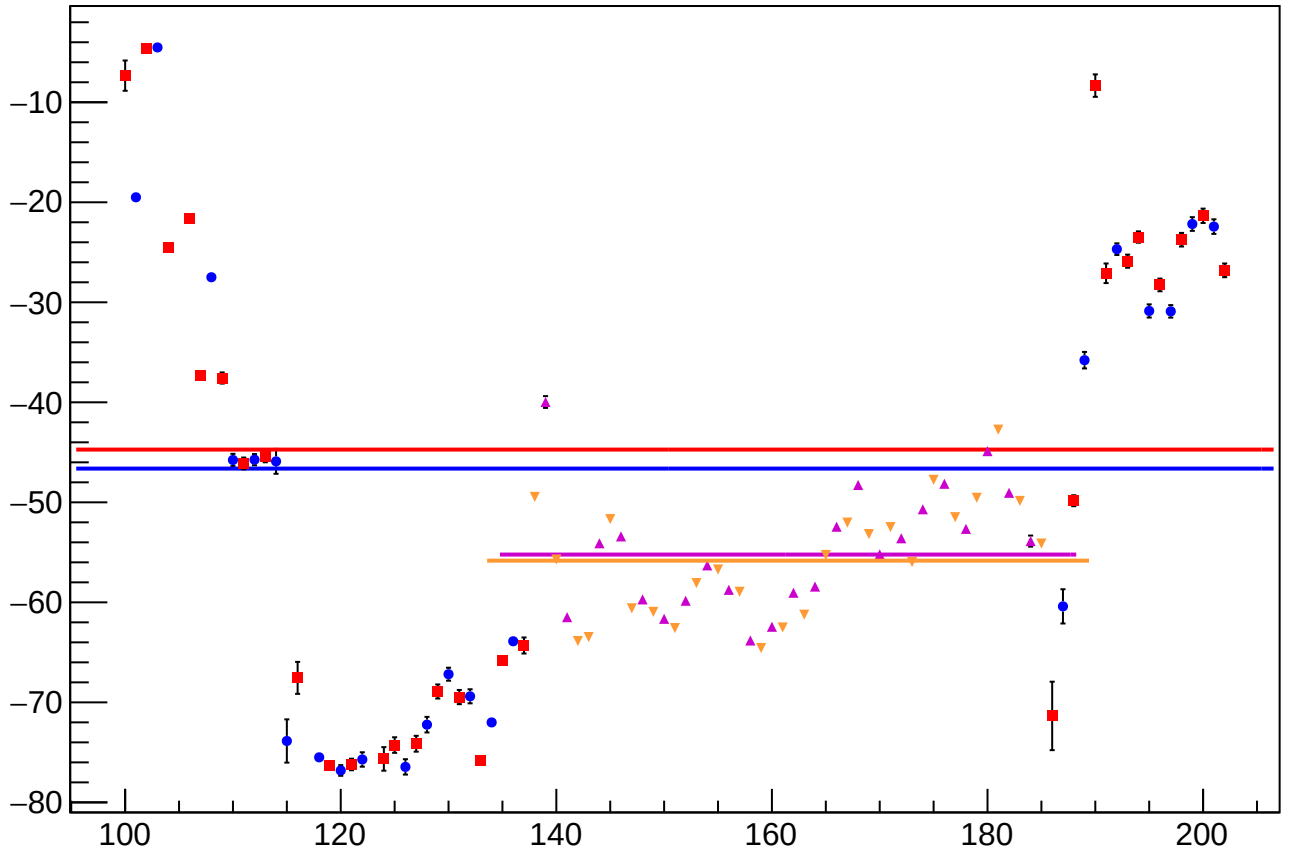
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 4.362+/-0.066 χ^2/NDF: 32572.8/51

In: 4.171+/-0.062 χ^2/NDF:25485.0/45

Out: 4.153+/-0.058 χ^2/NDF:35202.0/53

All: 4.161+/-0.042 χ^2/NDF: 60687.1/99



Right In: -46.627+/-0.121 χ^2/NDF: 40170.9/22

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.726+/-0.113 χ^2/NDF: 42637.6/28

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

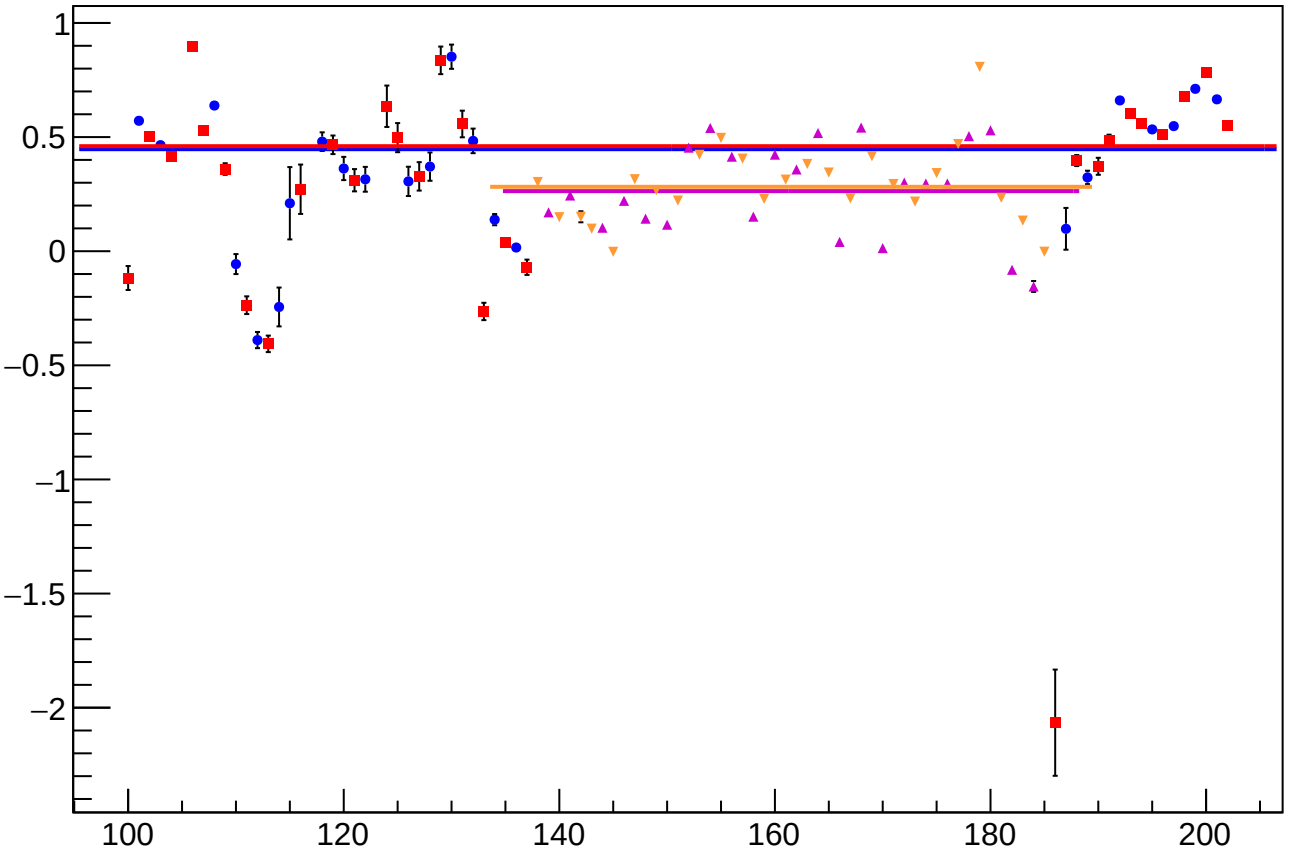
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -45.611+/-0.083 χ^2/NDF: 82939.8/51

In: -53.135+/-0.060 χ^2/NDF:50313.5/45

Out: -52.994+/-0.057 χ^2/NDF:57390.8/53

All: -53.062+/-0.041 χ^2/NDF: 107707.2/99



Right In: 0.447+/-0.005 χ^2/NDF: 2547.1/22

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.460+/-0.005 χ^2/NDF: 3587.2/28

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

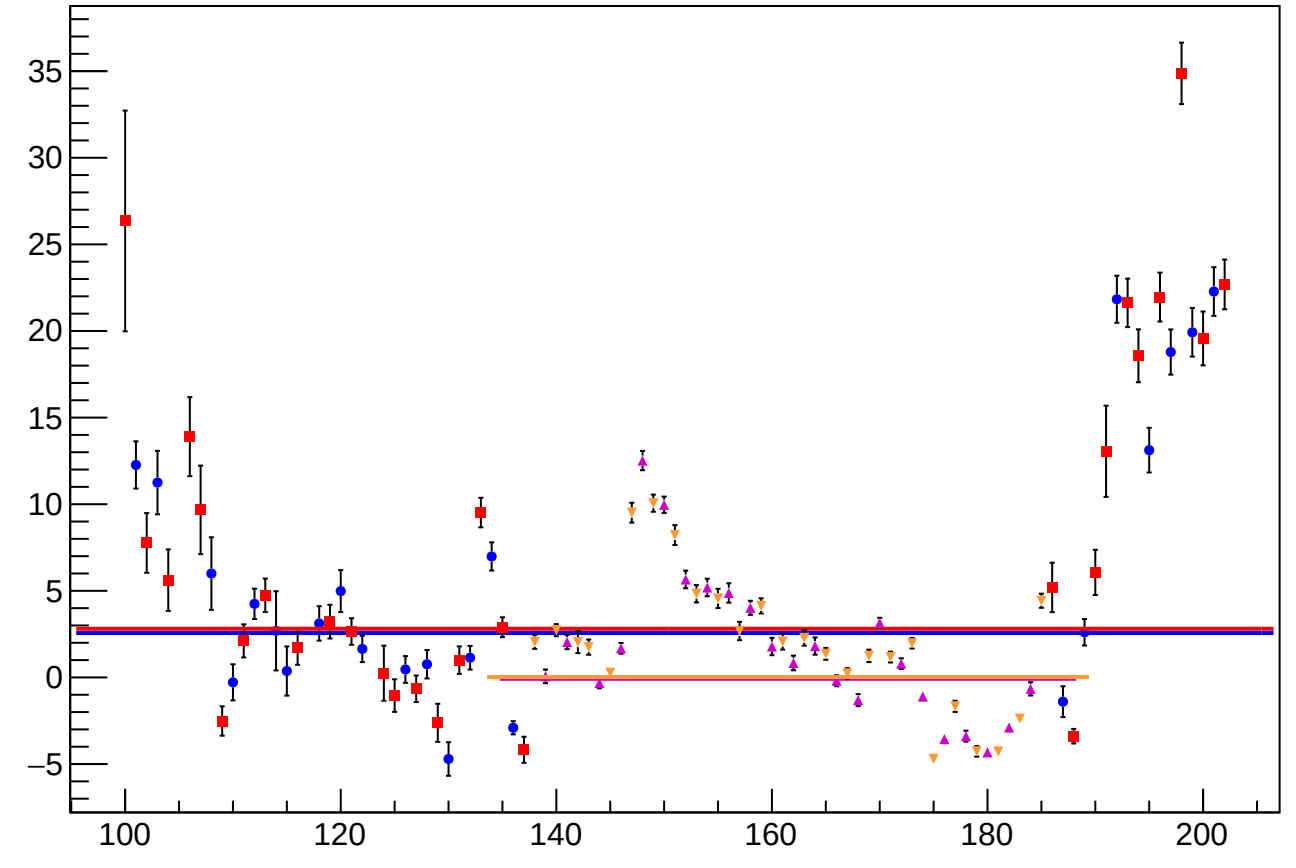
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

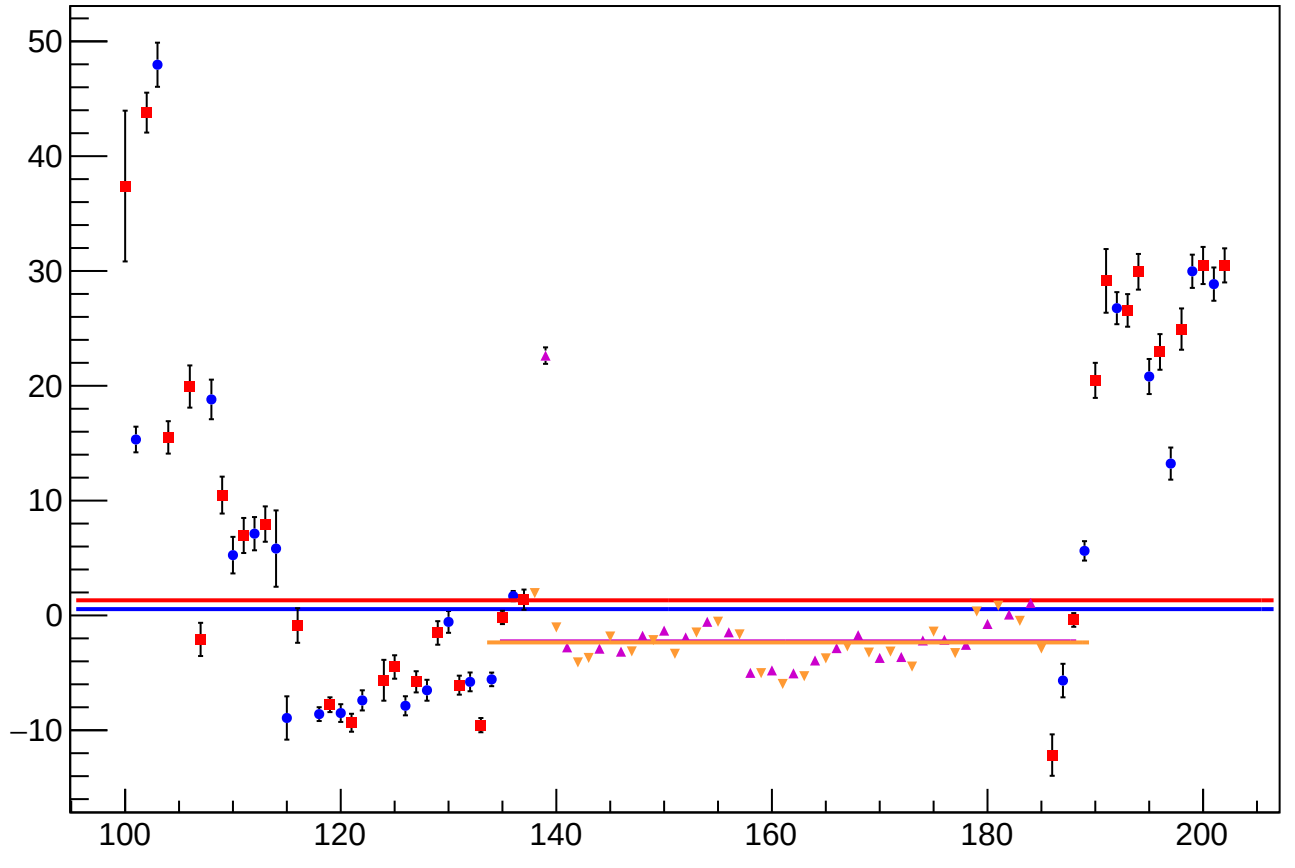
Right: 0.454+/-0.003 χ^2/NDF: 6138.0/51

In: 0.312+/-0.003 χ^2/NDF:7351.7/45

Out: 0.334+/-0.003 χ^2/NDF:7344.7/53

All: 0.323+/-0.002 χ^2/NDF: 14735.3/99


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
120
140
160
180
200
Right In: 2.564+/-0.189 χ²/NDF: 1195.1/22
Left Out: 0.022+/-0.069 χ²/NDF:2759.3/24
Right Out: 2.810+/-0.184 χ²/NDF: 1667.5/28
Left In: -0.080+/-0.071 χ²/NDF:2464.5/22
Left: -0.027+/-0.049 χ²/NDF: 5224.9/47
Right: 2.691+/-0.132 χ²/NDF: 2863.5/51
In: 0.244+/-0.066 χ²/NDF:3830.7/45
Out: 0.363+/-0.064 χ²/NDF:4629.4/53
All: 0.305+/-0.046 χ²/NDF: 8461.8/99



Right In: 0.549+/-0.197 χ^2/NDF: 3199.6/22

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 1.316+/-0.199 χ^2/NDF: 3851.6/28

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

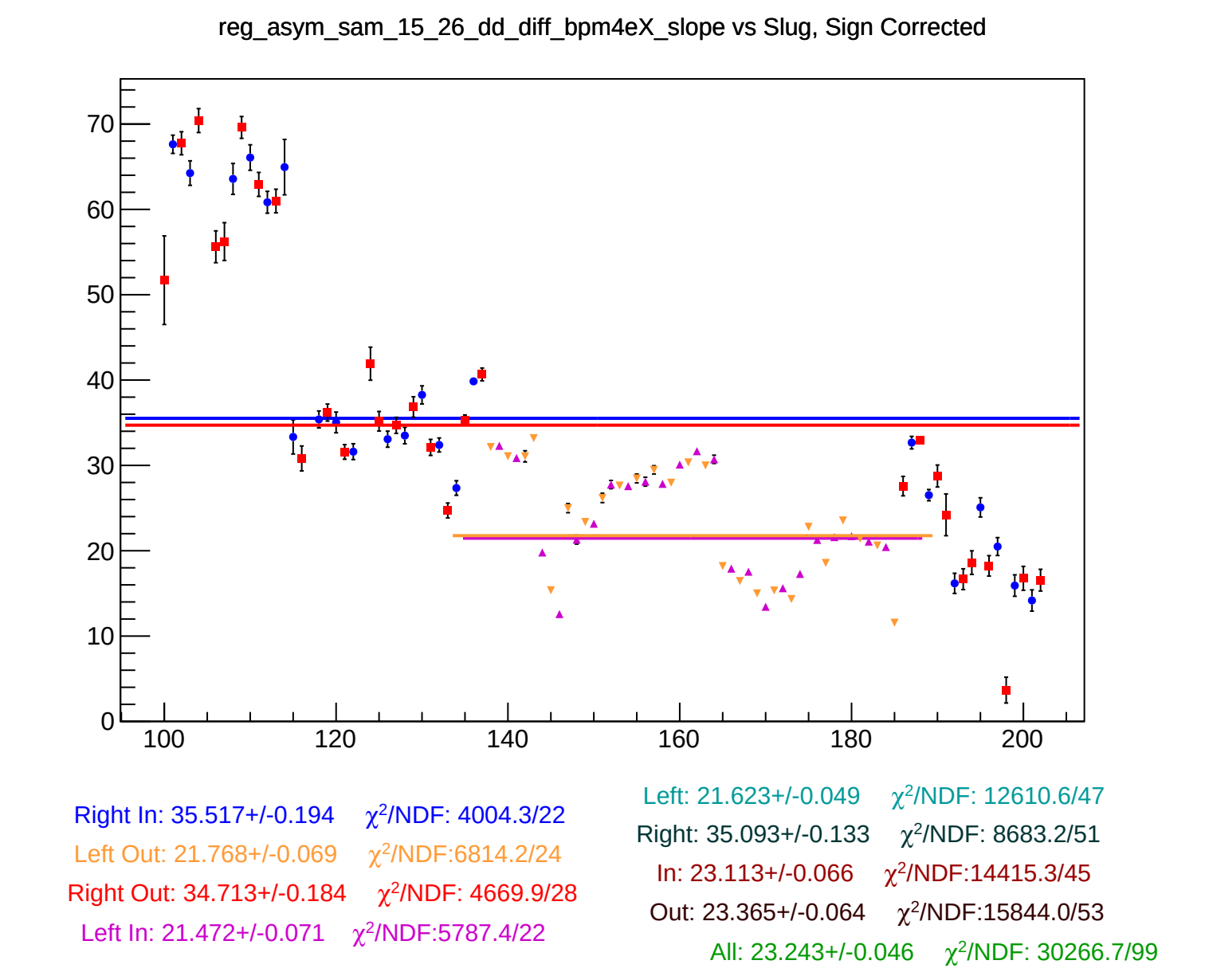
Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

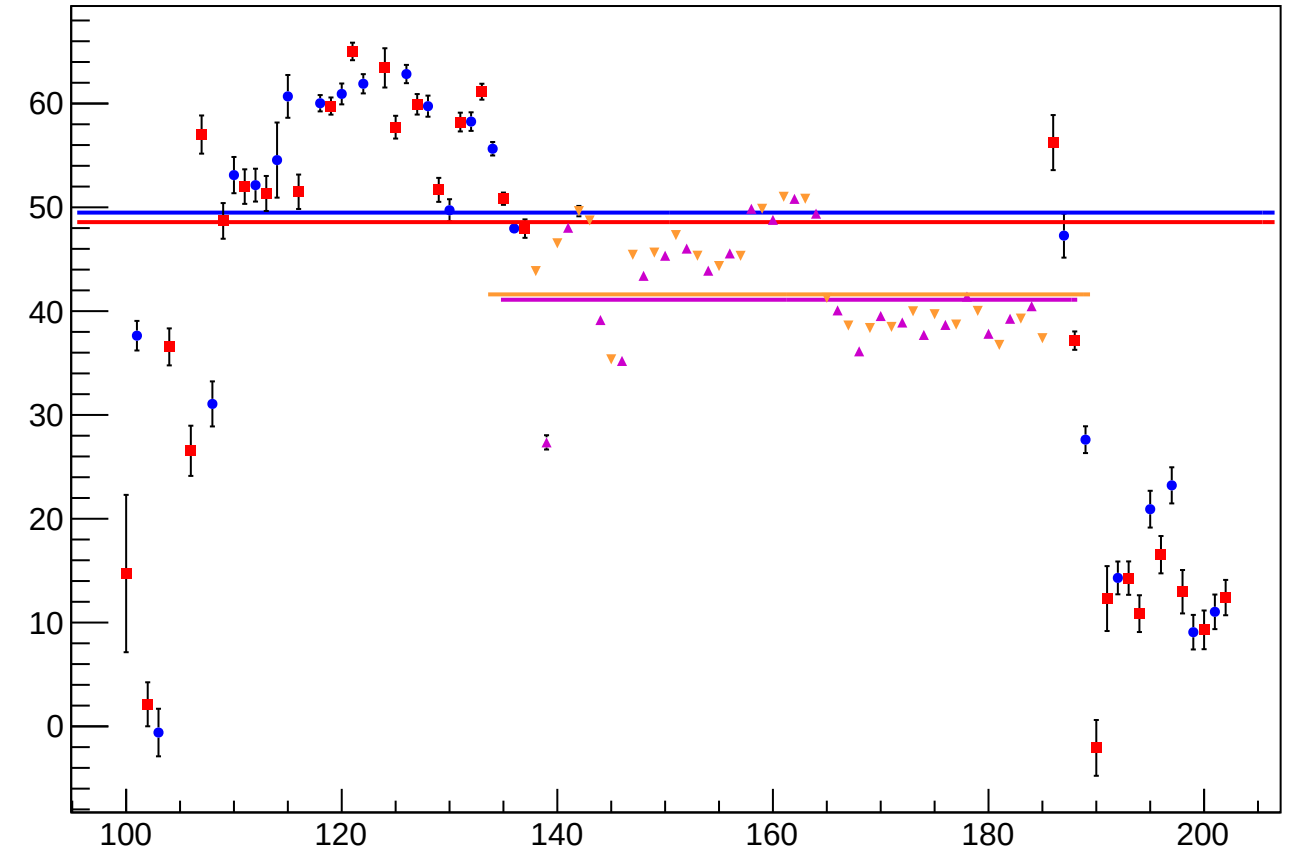
Right: 0.928+/-0.140 χ^2/NDF: 7058.8/51

In: -2.044+/-0.054 χ^2/NDF:5264.8/45

Out: -2.091+/-0.053 χ^2/NDF:5292.7/53

All: -2.068+/-0.038 χ^2/NDF: 10557.9/99


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
Right In: 35.517+/-0.194 χ2/NDF: 4004.3/22
Left Out: 21.768+/-0.069 χ2/NDF:6814.2/24
Right Out: 34.713+/-0.184 χ2/NDF: 4669.9/28
Left In: 21.472+/-0.071 χ2/NDF:5787.4/22
Left: 21.623+/-0.049 χ2/NDF: 12610.6/47
Right: 35.093+/-0.133 χ2/NDF: 8683.2/51
In: 23.113+/-0.066 χ2/NDF:14415.3/45
Out: 23.365+/-0.064 χ2/NDF:15844.0/53
All: 23.243+/-0.046 χ2/NDF: 30266.7/99



Right In: 49.492+/-0.223 χ^2/NDF: 4069.2/22

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 48.576+/-0.231 χ^2/NDF: 4963.7/28

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

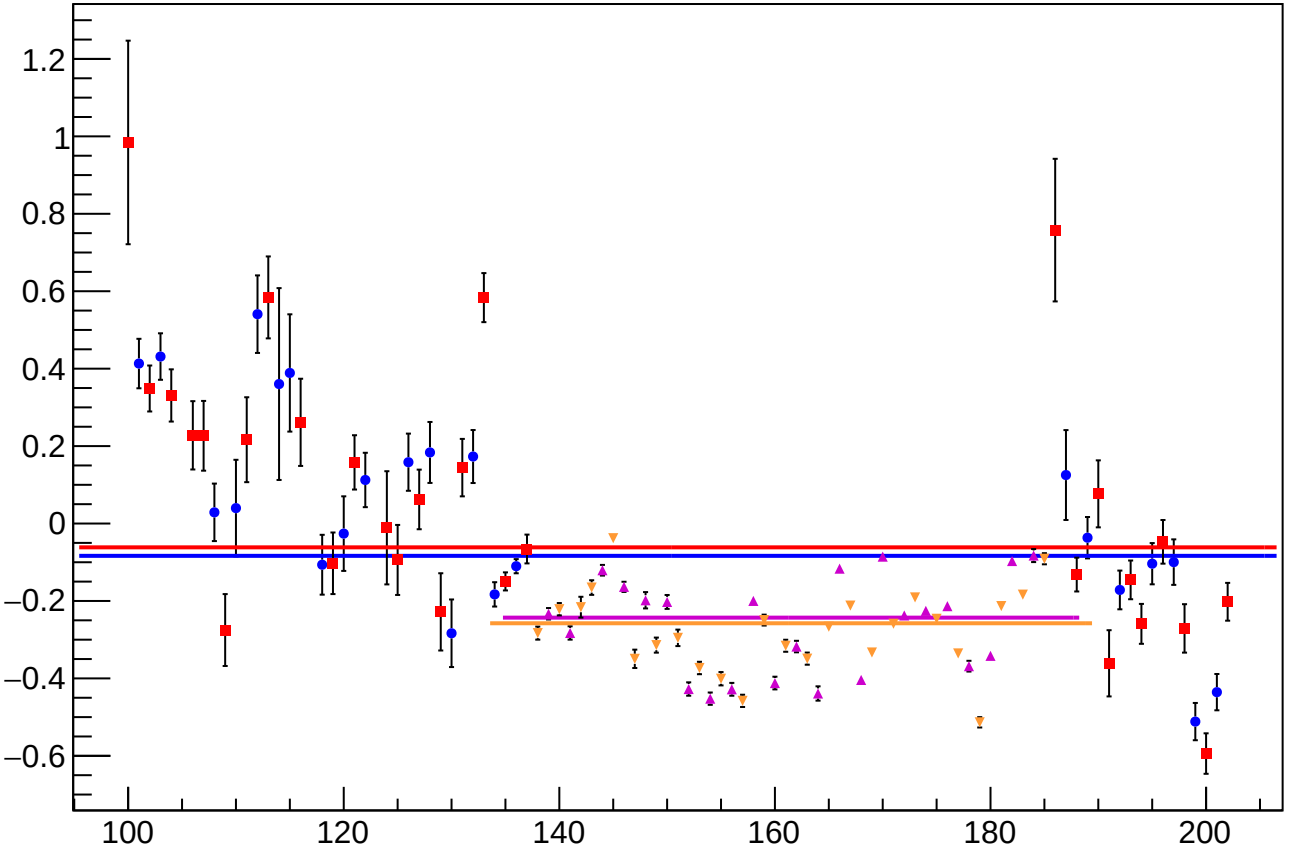
Right: 49.050+/-0.160 χ^2/NDF: 9041.1/51

In: 41.712+/-0.060 χ^2/NDF:10859.9/45

Out: 42.071+/-0.059 χ^2/NDF:11590.1/53

All: 41.895+/-0.042 χ^2/NDF: 22468.1/99

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.083+/-0.011 χ^2/NDF: 393.7/22

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.062+/-0.011 χ^2/NDF: 495.0/28

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

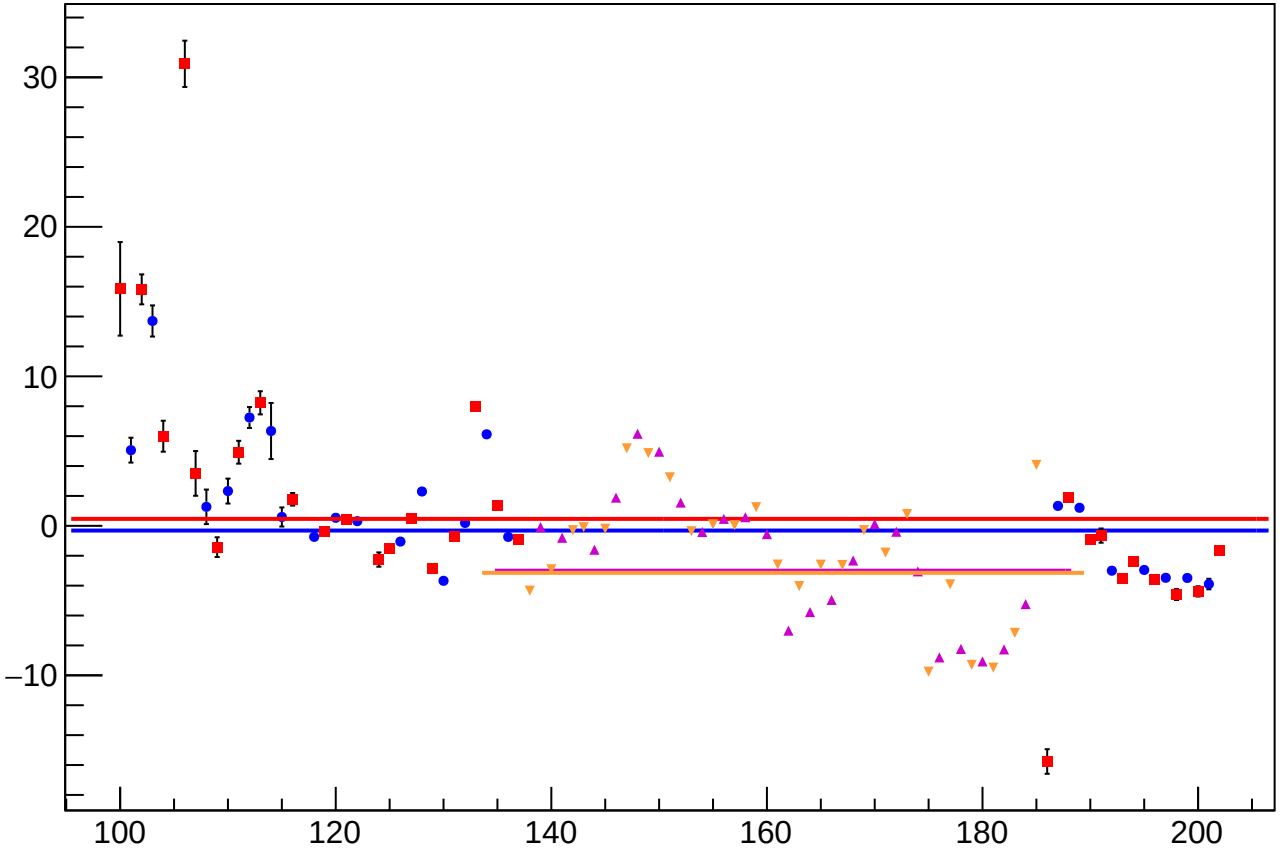
Right: -0.073+/-0.008 χ^2/NDF: 890.6/51

In: -0.233+/-0.003 χ^2/NDF:2407.7/45

Out: -0.247+/-0.003 χ^2/NDF:2296.5/53

All: -0.240+/-0.002 χ^2/NDF: 4717.0/99

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.316+/-0.063 χ^2/NDF: 1742.4/22

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.465+/-0.057 χ^2/NDF: 4067.2/28

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

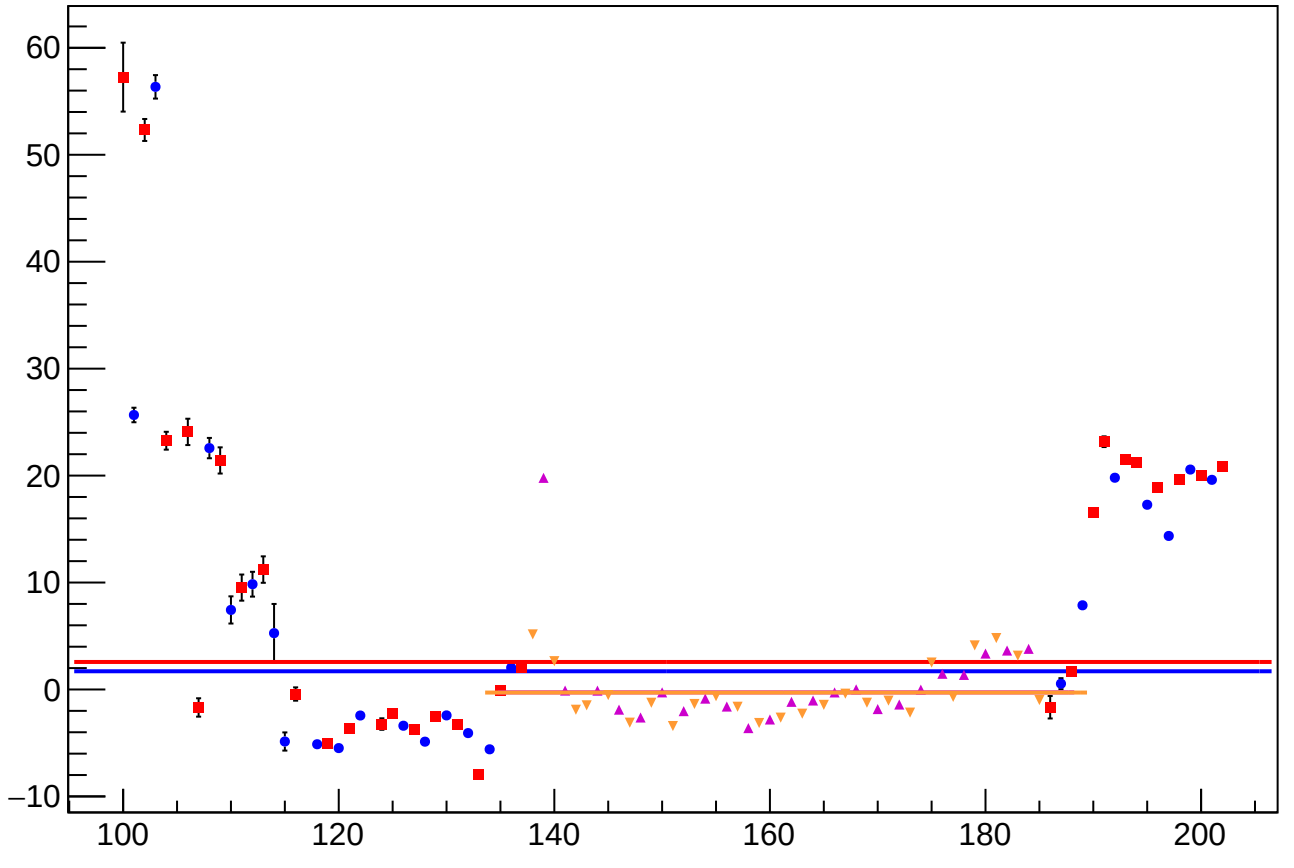
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 0.117+/-0.042 χ^2/NDF: 5894.1/51

In: -2.547+/-0.026 χ^2/NDF:25665.5/45

Out: -2.447+/-0.025 χ^2/NDF:32698.9/53

All: -2.495+/-0.018 χ^2/NDF: 58372.1/99



Right In: 1.703+/-0.061 χ^2/NDF: 24947.1/22

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 2.573+/-0.057 χ^2/NDF: 36562.2/28

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

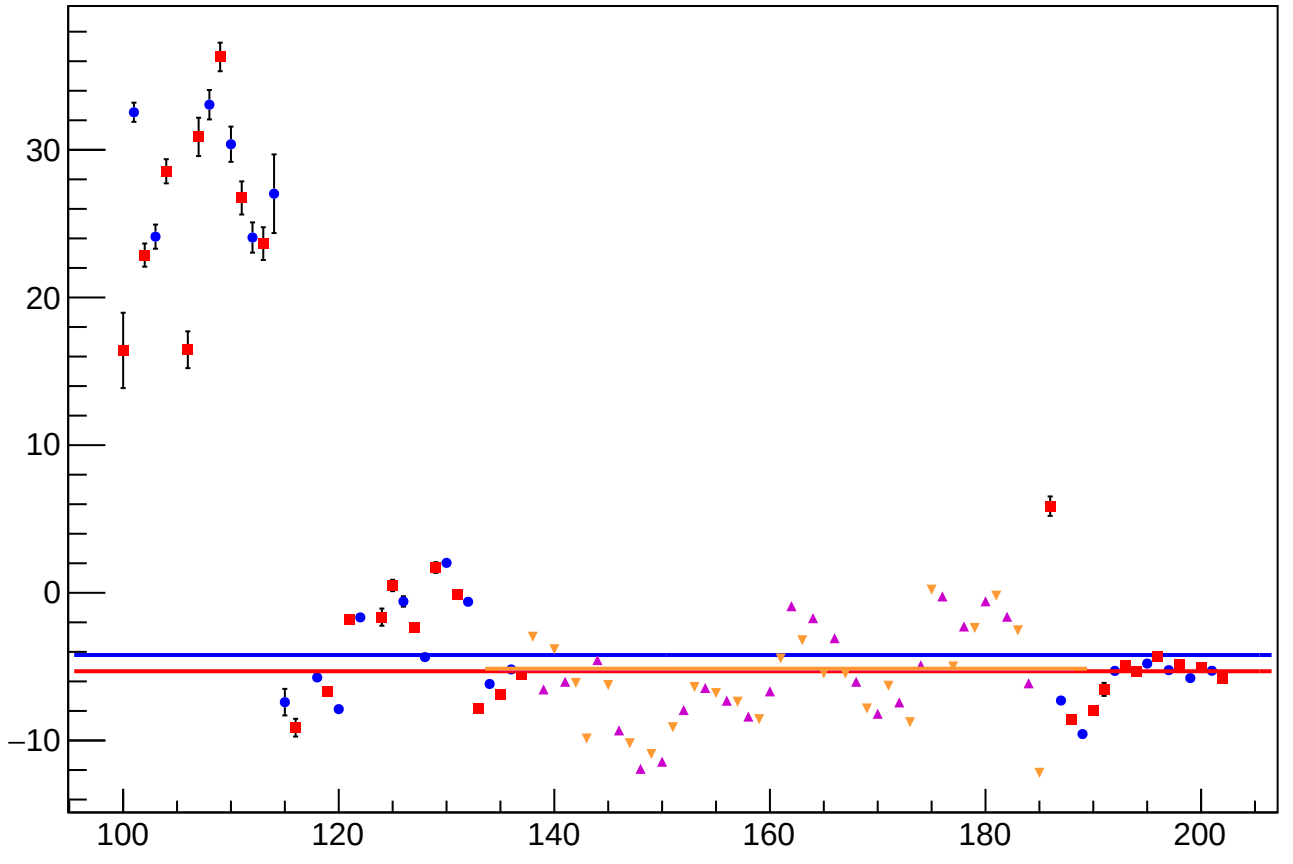
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 2.166+/-0.042 χ^2/NDF: 61616.6/51

In: -0.041+/-0.021 χ^2/NDF:39083.1/45

Out: 0.073+/-0.020 χ^2/NDF:50930.3/53

All: 0.018+/-0.015 χ^2/NDF: 90028.5/99



Right In: -4.212+/-0.063 χ^2/NDF: 9388.4/22

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.312+/-0.054 χ^2/NDF: 10483.4/28

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

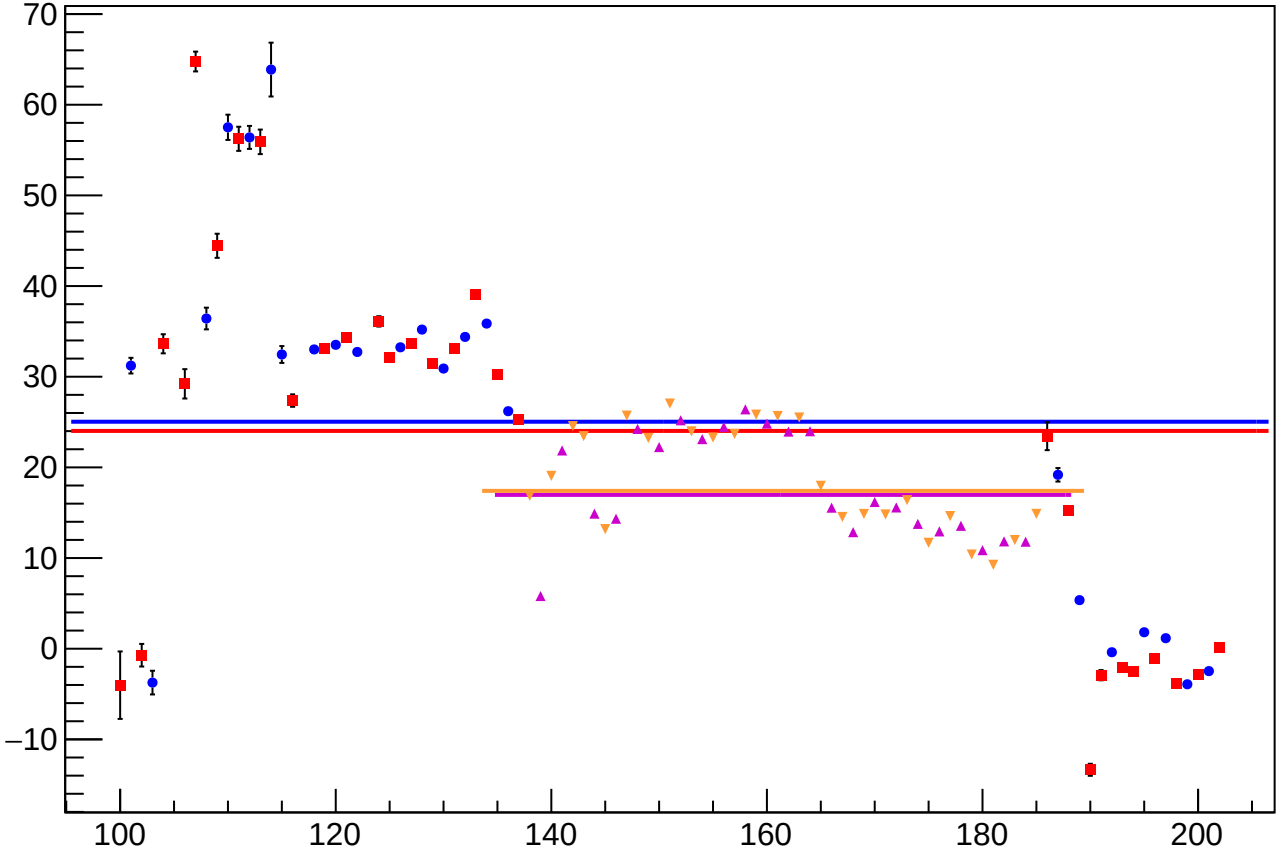
Right: -4.844+/-0.041 χ^2/NDF: 20048.4/51

In: -5.013+/-0.026 χ^2/NDF:23548.5/45

Out: -5.174+/-0.025 χ^2/NDF:25117.6/53

All: -5.097+/-0.018 χ^2/NDF: 48686.5/99

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 25.036+/-0.072 χ^2/NDF: 37023.0/22

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 24.022+/-0.068 χ^2/NDF: 55647.9/28

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

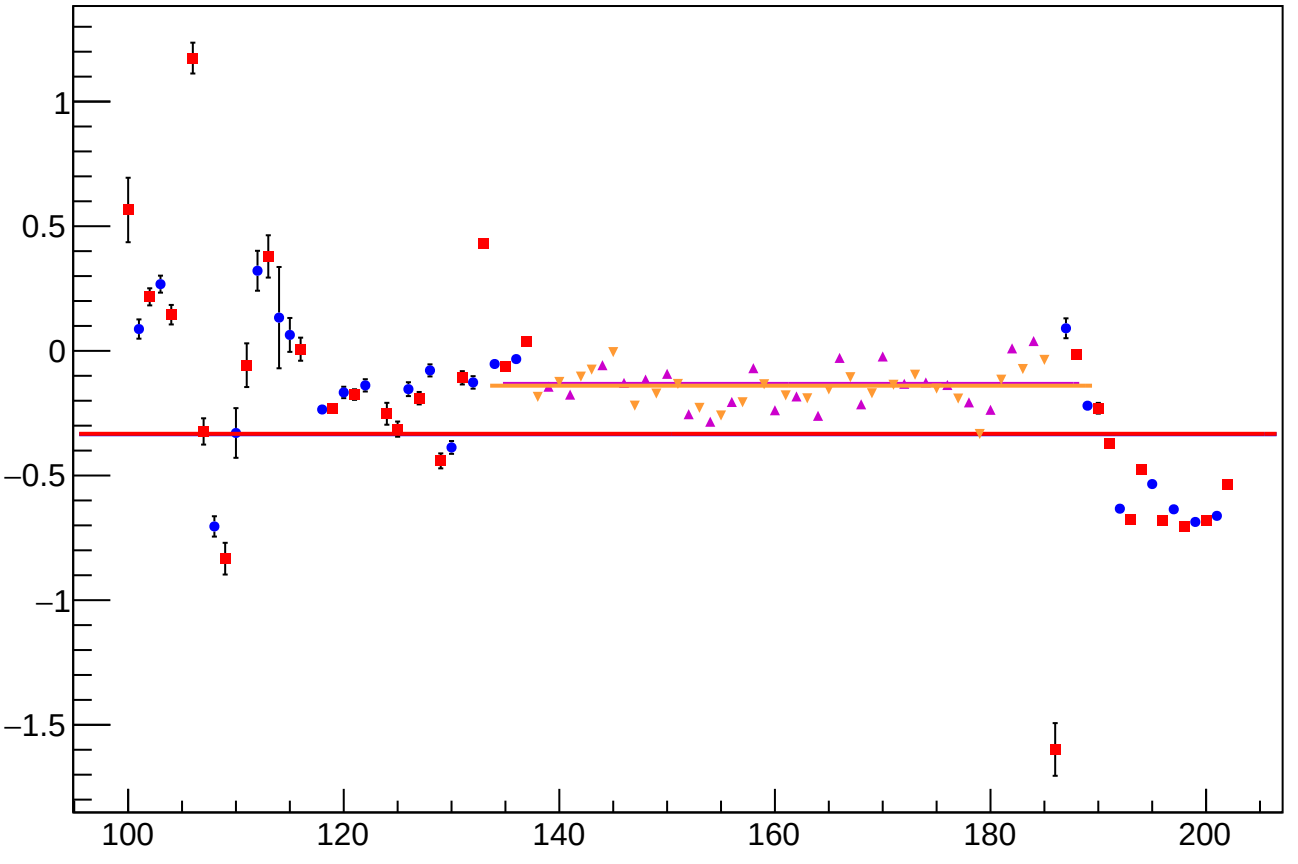
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 24.503+/-0.049 χ^2/NDF: 92776.5/51

In: 17.847+/-0.024 χ^2/NDF:88307.5/45

Out: 18.167+/-0.023 χ^2/NDF:114665.0/53

All: 18.011+/-0.016 χ^2/NDF: 203067.0/99



Right In: -0.334+/-0.003 χ^2/NDF: 7109.6/22

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.333+/-0.003 χ^2/NDF: 11107.2/28

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

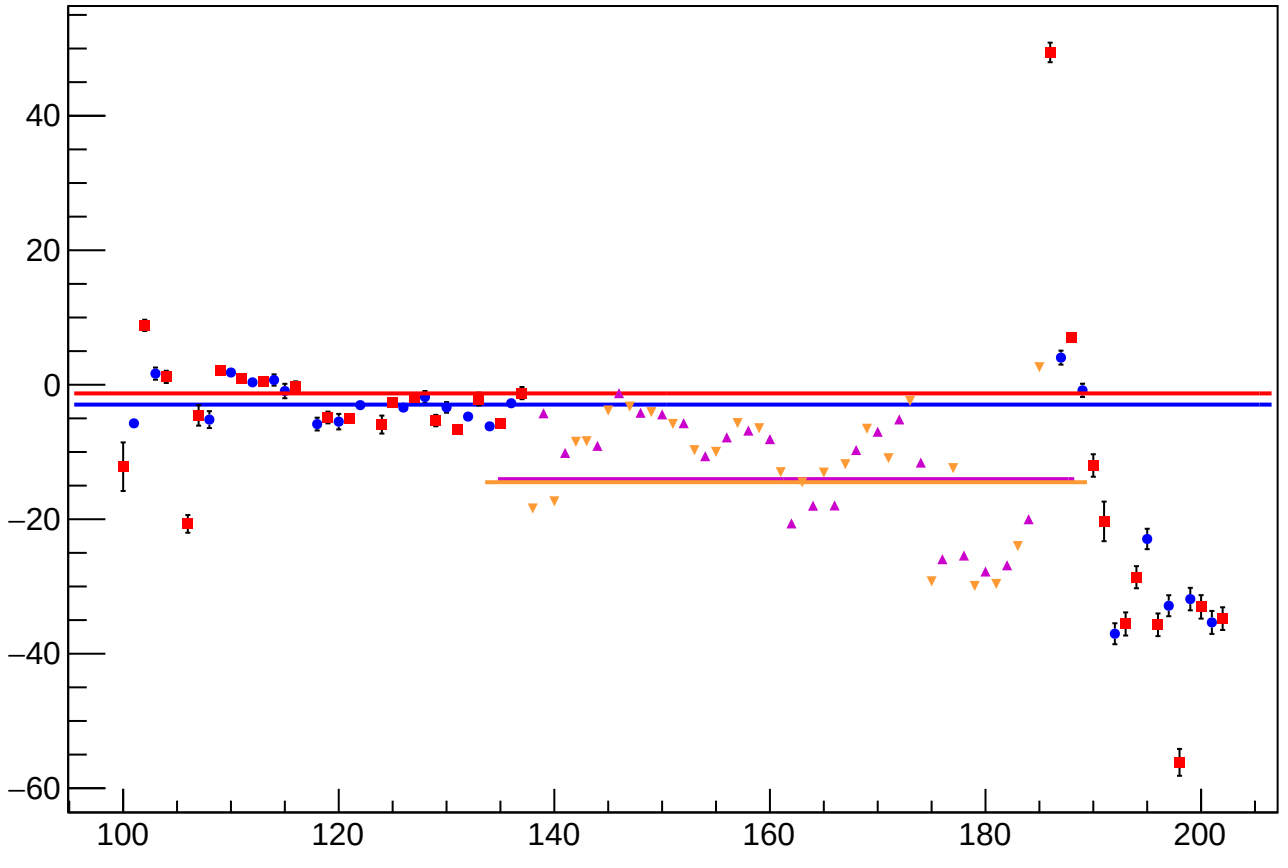
Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

Right: -0.333+/-0.002 χ^2/NDF: 18217.0/51

In: -0.152+/-0.001 χ^2/NDF:15863.7/45

Out: -0.161+/-0.001 χ^2/NDF:18612.7/53

All: -0.156+/-0.001 χ^2/NDF: 34509.0/99



Right In: -2.953+/-0.150 χ^2/NDF: 2078.5/22

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.288+/-0.139 χ^2/NDF: 4857.9/28

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

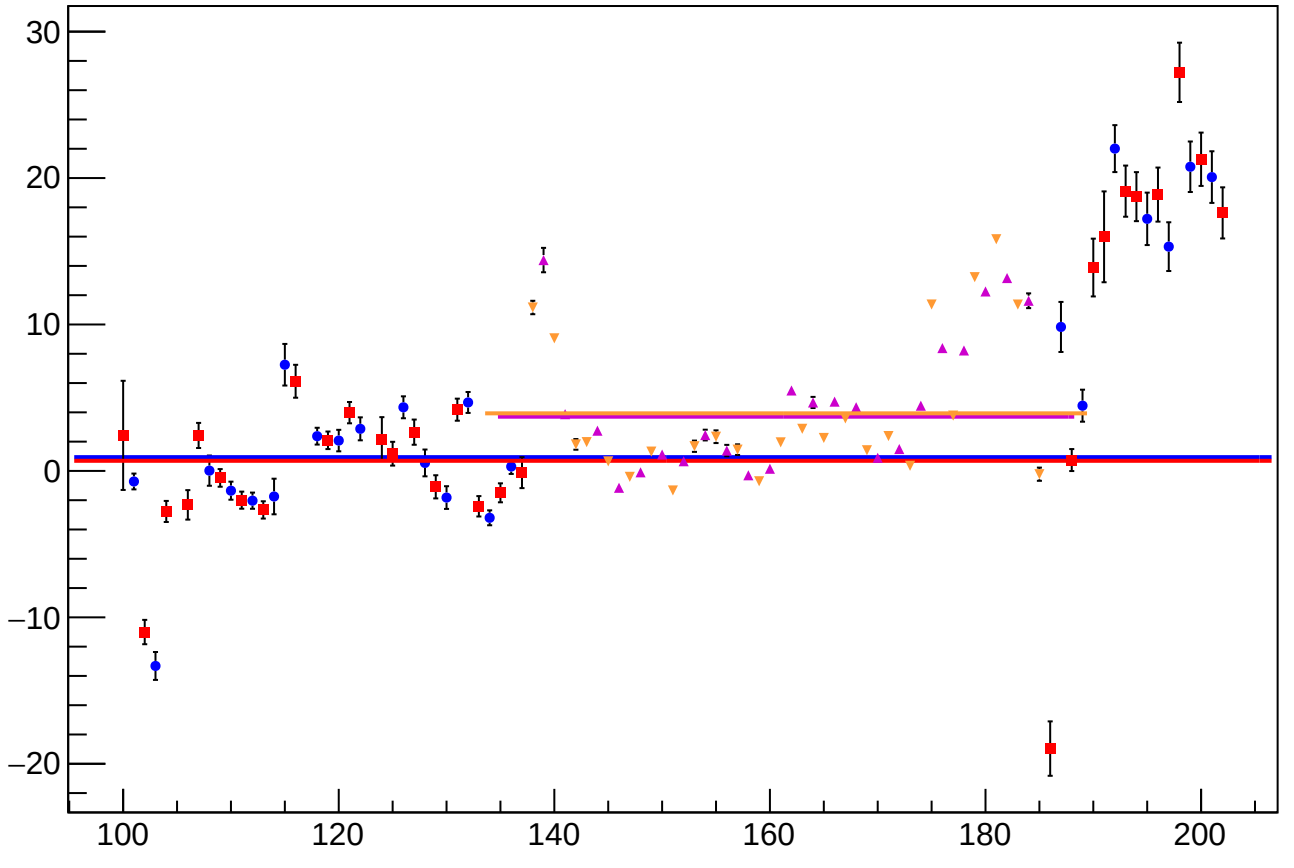
Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

Right: -2.056+/-0.102 χ^2/NDF: 7002.8/51

In: -11.737+/-0.068 χ^2/NDF:19883.8/45

Out: -11.523+/-0.066 χ^2/NDF:29110.3/53

All: -11.626+/-0.047 χ^2/NDF: 48999.2/99



Right In: 0.941+/-0.166 χ^2/NDF: 1061.7/22

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.691+/-0.166 χ^2/NDF: 1304.1/28

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

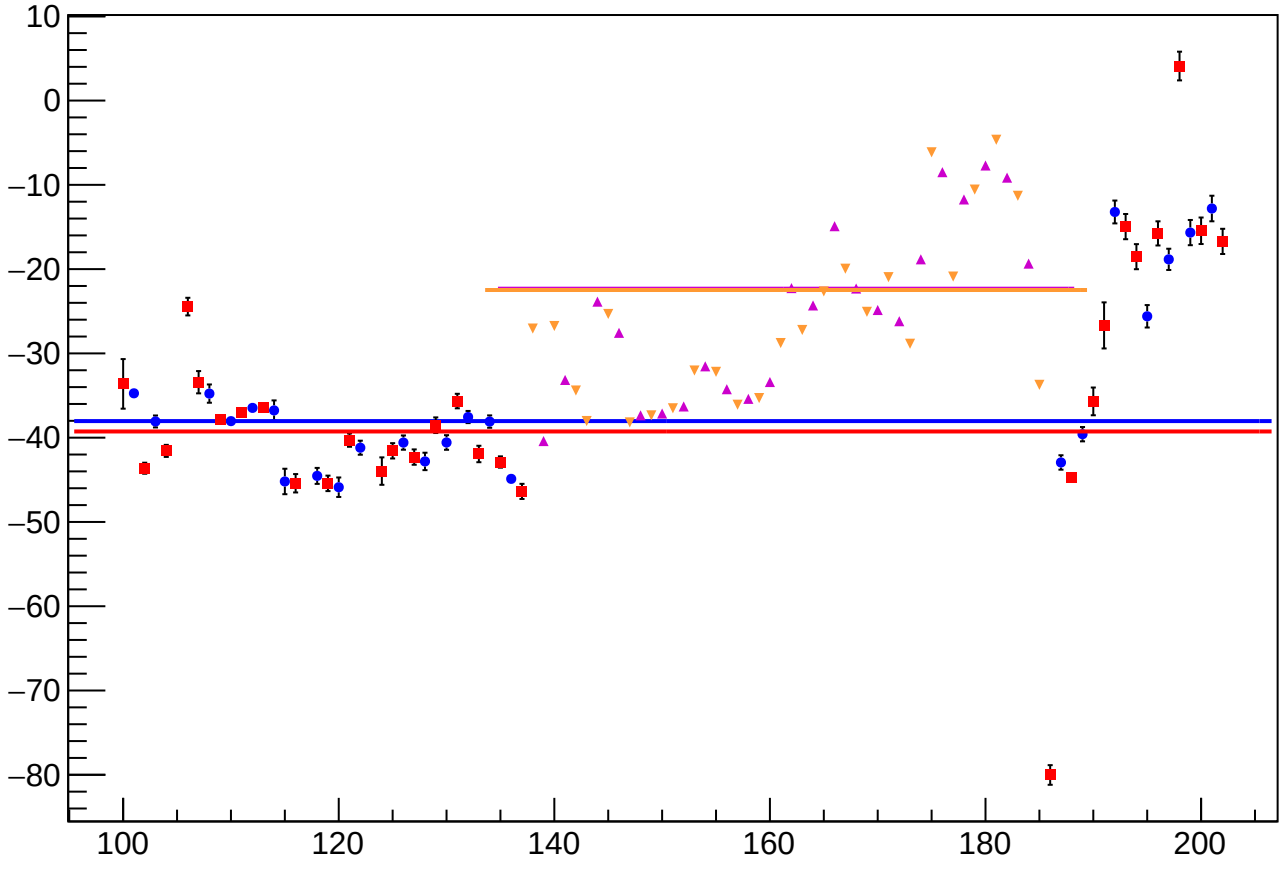
Right: 0.816+/-0.118 χ^2/NDF: 2367.0/51

In: 3.391+/-0.056 χ^2/NDF:6095.8/45

Out: 3.582+/-0.055 χ^2/NDF:8621.8/53

All: 3.488+/-0.039 χ^2/NDF: 14723.6/99

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -38.032+/-0.166 χ^2/NDF: 1664.3/22

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.264+/-0.159 χ^2/NDF: 3801.0/28

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

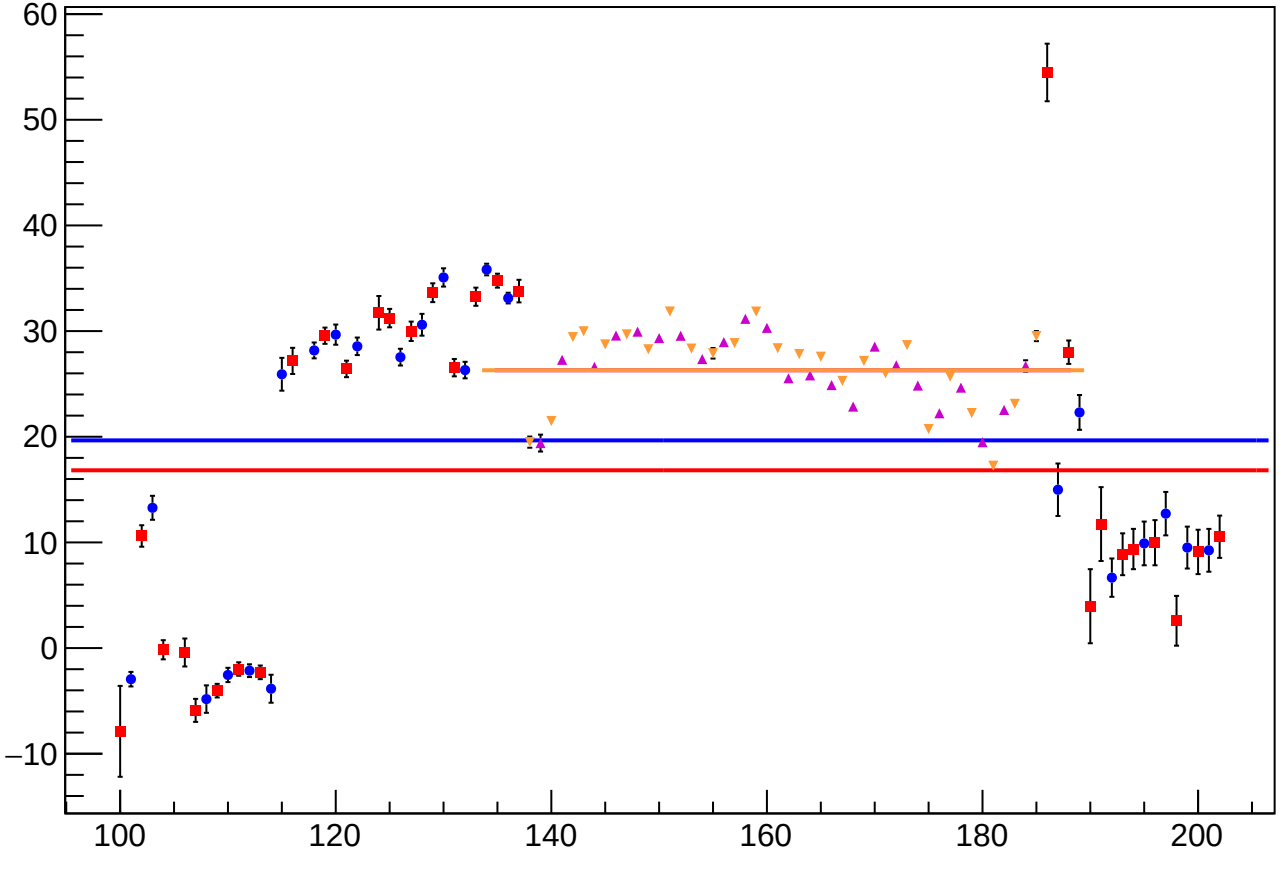
Right: -38.677+/-0.115 χ^2/NDF: 5494.0/51

In: -25.070+/-0.070 χ^2/NDF:26159.7/45

Out: -25.533+/-0.068 χ^2/NDF:33389.2/53

All: -25.308+/-0.048 χ^2/NDF: 59571.7/99

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.656+/-0.188 χ^2/NDF: 6834.3/22

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.825+/-0.190 χ^2/NDF: 7149.2/28

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

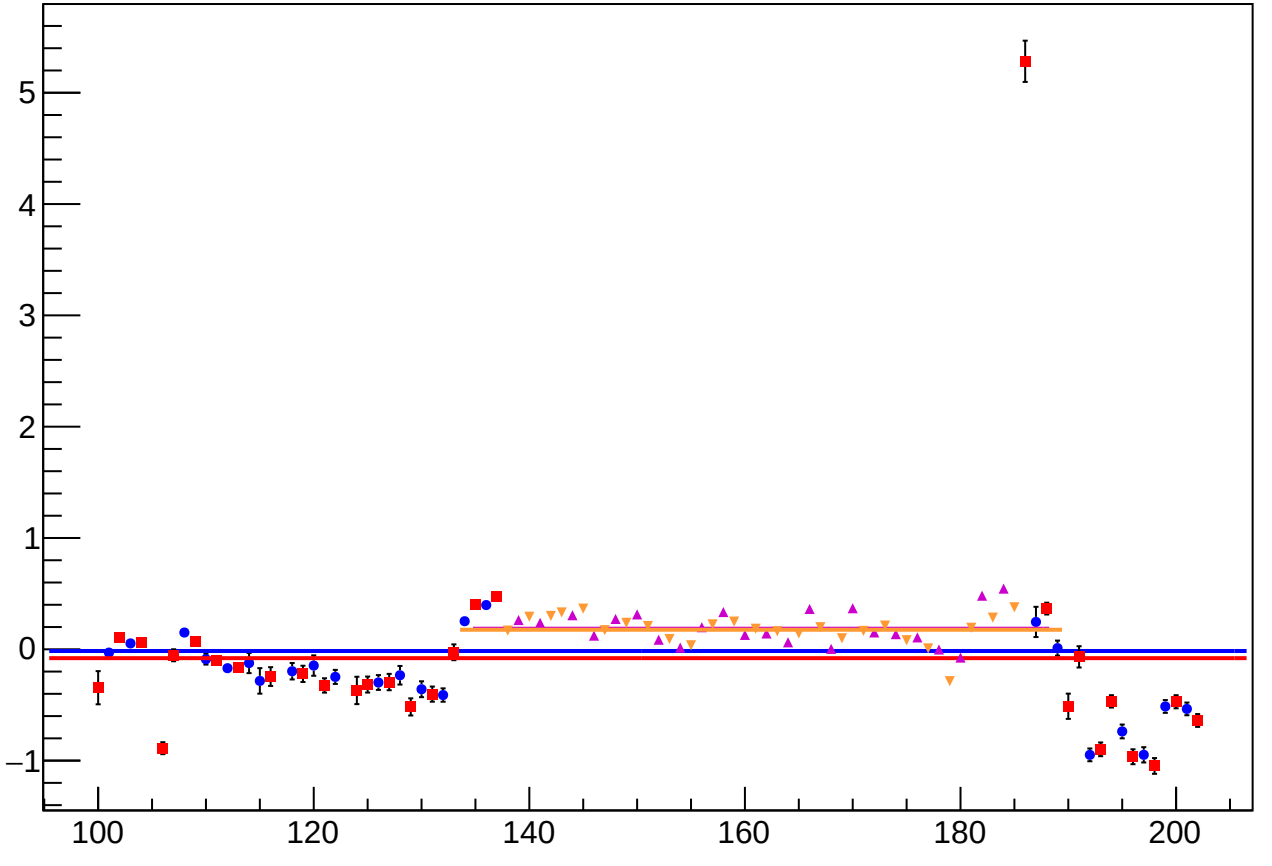
Right: 18.256+/-0.134 χ^2/NDF: 14095.2/51

In: 25.554+/-0.063 χ^2/NDF:10122.9/45

Out: 25.305+/-0.062 χ^2/NDF:12672.8/53

All: 25.427+/-0.044 χ^2/NDF: 22803.8/99

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.015+/-0.010 χ^2/NDF: 1410.9/22

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.080+/-0.010 χ^2/NDF: 2550.5/28

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

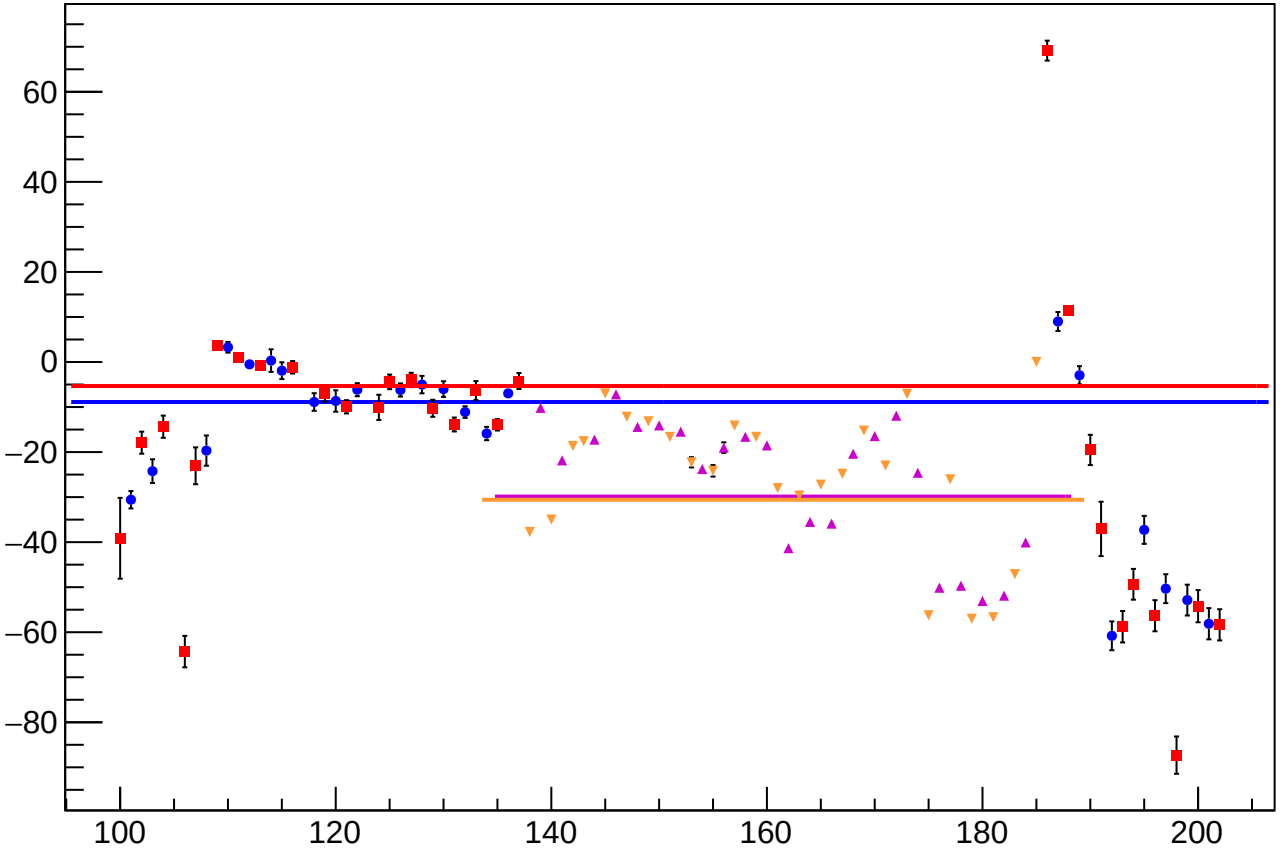
Right: -0.047+/-0.007 χ^2/NDF: 3983.5/51

In: 0.167+/-0.003 χ^2/NDF:4347.3/45

Out: 0.155+/-0.003 χ^2/NDF:5109.1/53

All: 0.161+/-0.002 χ^2/NDF: 9466.3/99

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.884+/-0.353 χ^2/NDF: 1380.6/22

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.335+/-0.334 χ^2/NDF: 3438.5/28

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

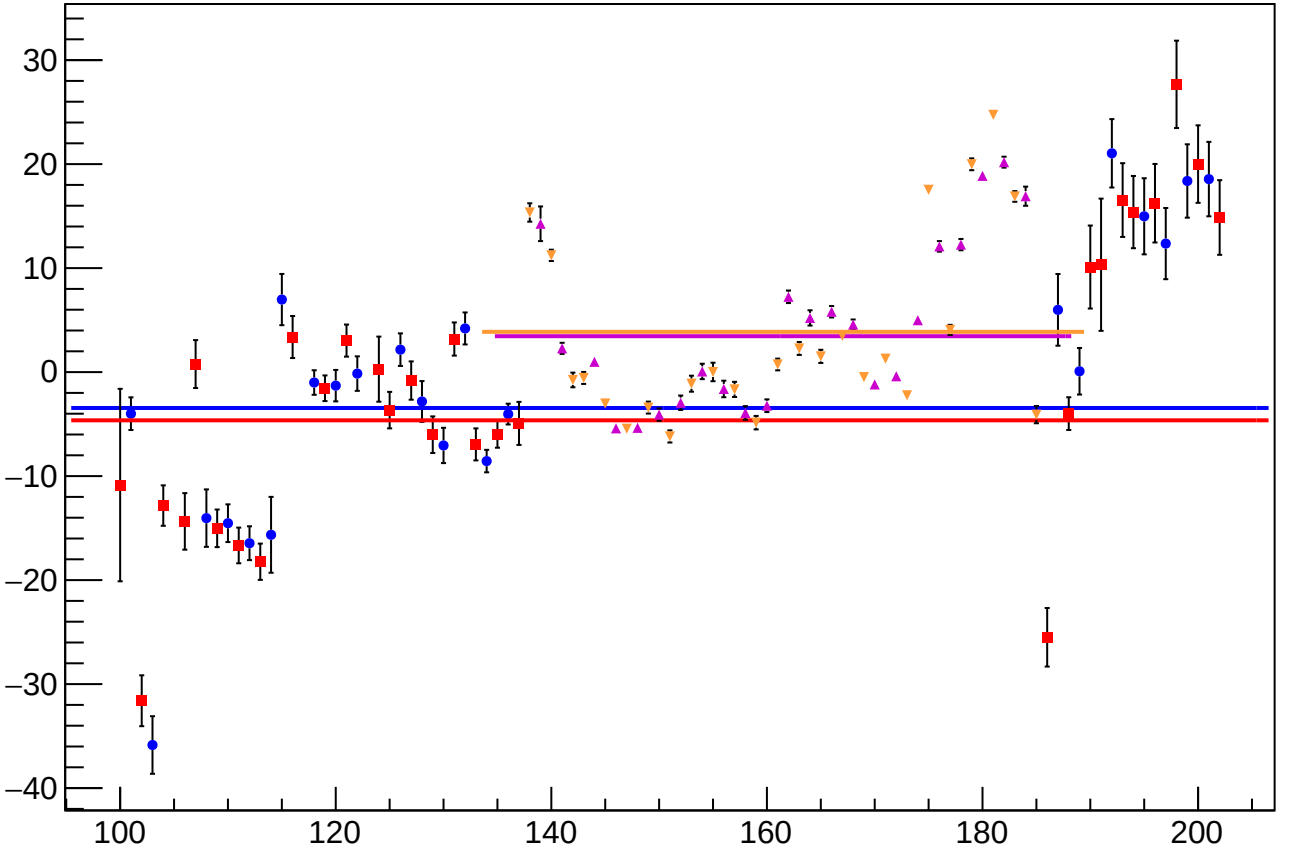
Right: -7.014+/-0.243 χ^2/NDF: 4872.4/51

In: -26.804+/-0.135 χ^2/NDF:16434.1/45

Out: -26.723+/-0.131 χ^2/NDF:24314.7/53

All: -26.762+/-0.094 χ^2/NDF: 40749.1/99

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.448+/-0.375 χ^2/NDF: 545.4/22

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.637+/-0.383 χ^2/NDF: 688.8/28

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

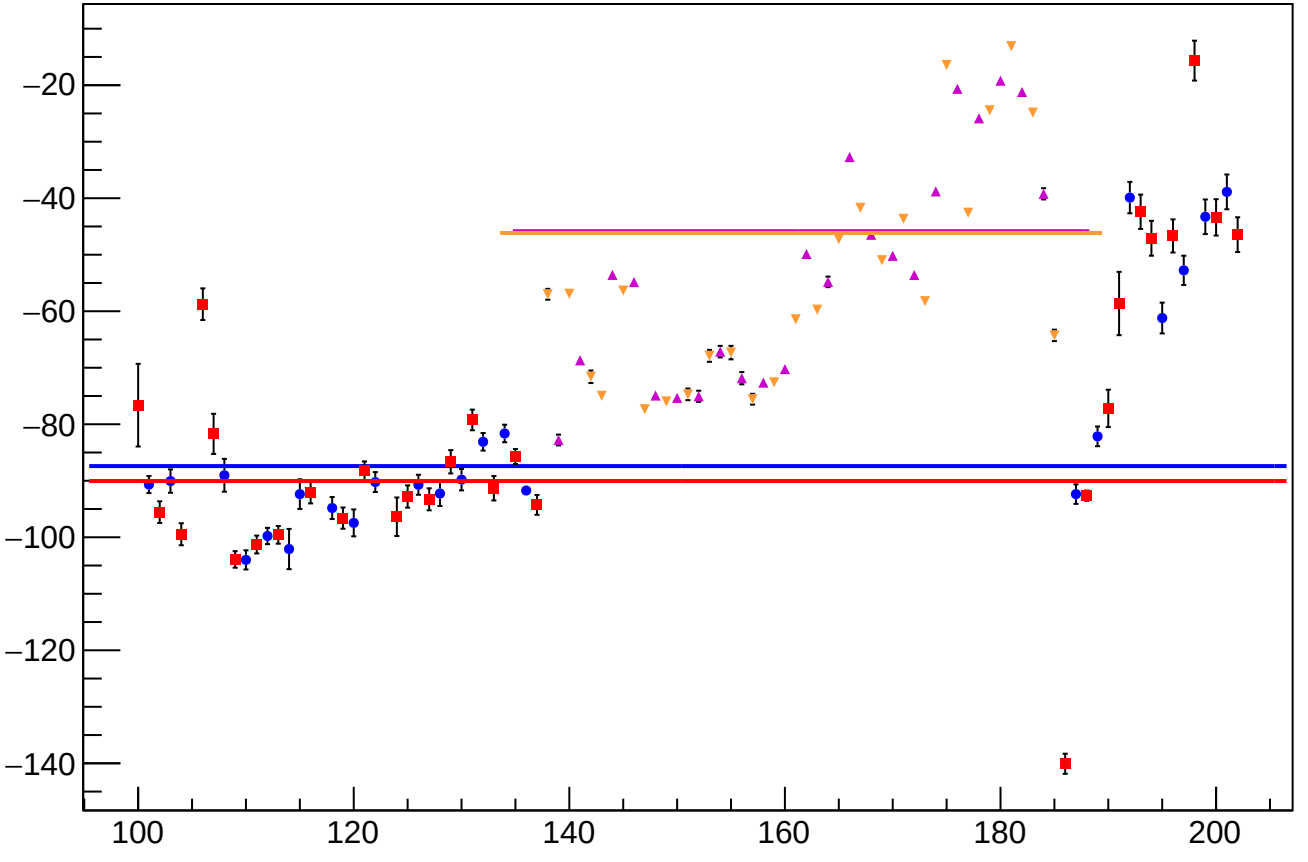
Right: -4.031+/-0.268 χ^2/NDF: 1239.1/51

In: 2.873+/-0.109 χ^2/NDF:5548.6/45

Out: 3.211+/-0.107 χ^2/NDF:7686.3/53

All: 3.046+/-0.076 χ^2/NDF: 13239.8/99

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -87.404+/-0.382 χ^2/NDF: 1324.9/22

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -90.048+/-0.366 χ^2/NDF: 2780.8/28

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

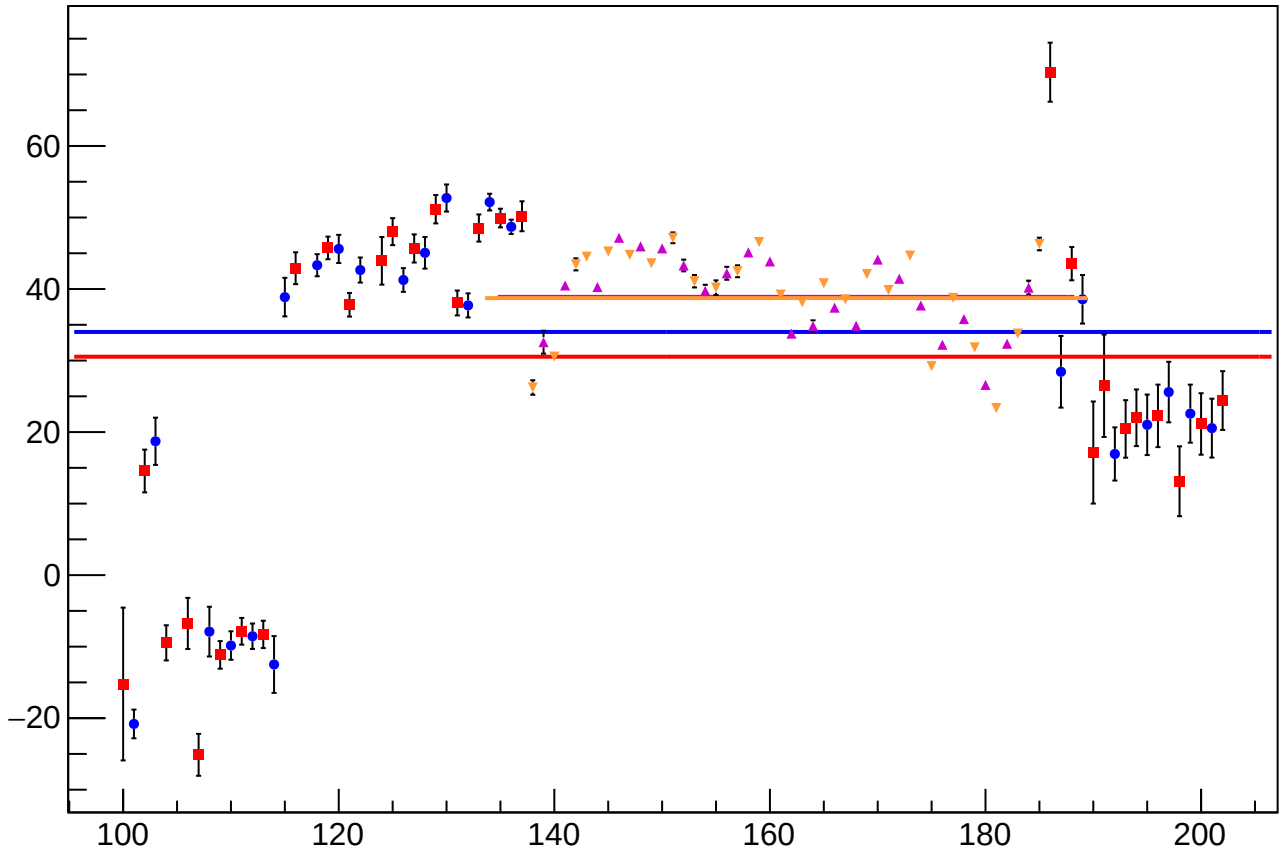
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -88.784+/-0.264 χ^2/NDF: 4130.7/51

In: -51.131+/-0.136 χ^2/NDF:29580.0/45

Out: -51.932+/-0.133 χ^2/NDF:36744.3/53

All: -51.542+/-0.095 χ^2/NDF: 66341.9/99



Right In: 33.999+/-0.424 χ^2/NDF: 2867.9/22

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.539+/-0.439 χ^2/NDF: 3073.8/28

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

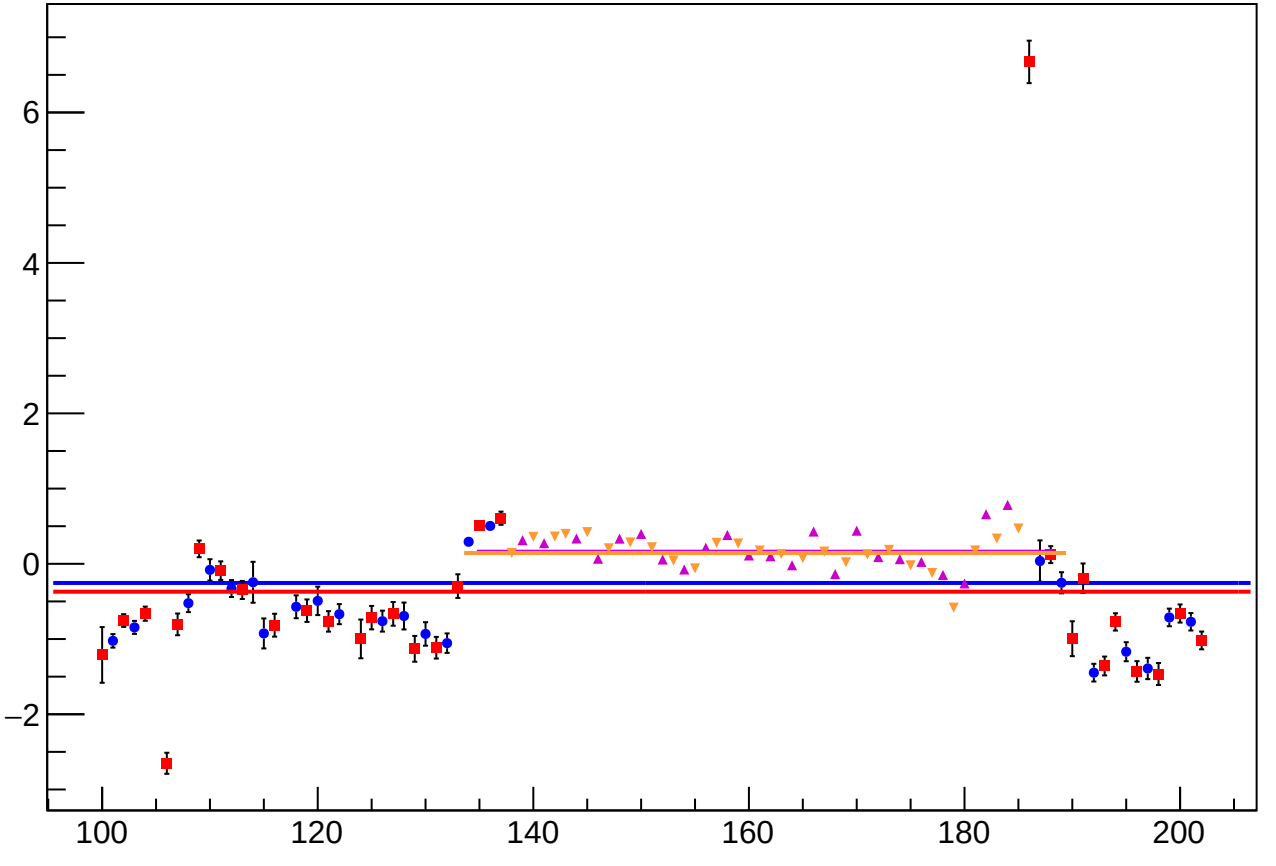
Right: 32.326+/-0.305 χ^2/NDF: 5973.8/51

In: 38.499+/-0.122 χ^2/NDF:4962.1/45

Out: 38.119+/-0.120 χ^2/NDF:6178.3/53

All: 38.305+/-0.086 χ^2/NDF: 11145.3/99

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.254+/-0.022 χ^2/NDF: 928.0/22

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.371+/-0.023 χ^2/NDF: 1712.8/28

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

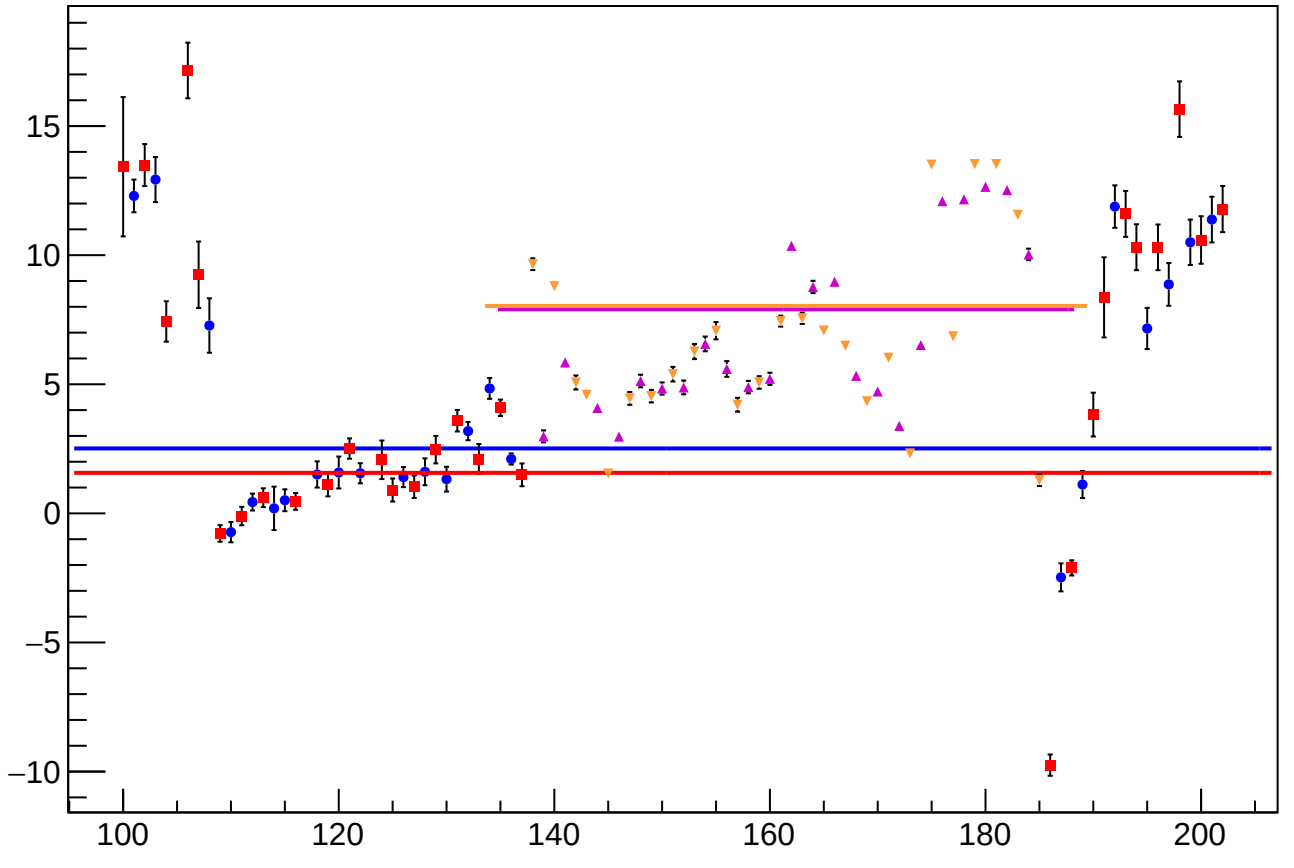
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.310+/-0.016 χ^2/NDF: 2654.5/51

In: 0.134+/-0.006 χ^2/NDF:3190.9/45

Out: 0.114+/-0.005 χ^2/NDF:3643.5/53

All: 0.124+/-0.004 χ^2/NDF: 6841.3/99



Right In: 2.515+/-0.098 χ^2/NDF: 1106.1/22

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.570+/-0.093 χ^2/NDF: 2385.2/28

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

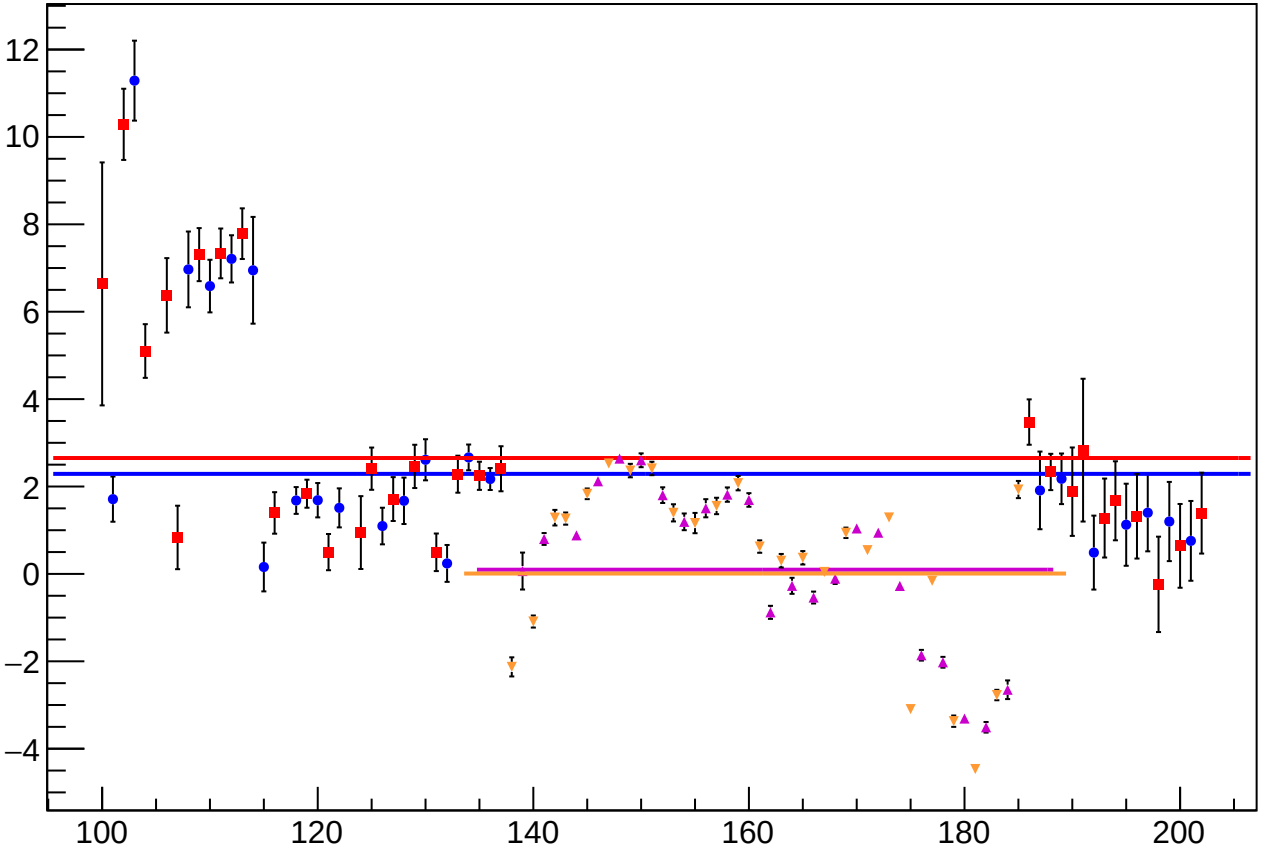
Right: 2.018+/-0.067 χ^2/NDF: 3540.5/51

In: 7.265+/-0.034 χ^2/NDF:13807.3/45

Out: 7.239+/-0.033 χ^2/NDF:20570.6/53

All: 7.251+/-0.023 χ^2/NDF: 34378.2/99

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.289+/-0.102 χ^2/NDF: 346.4/22

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.652+/-0.104 χ^2/NDF: 434.6/28

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

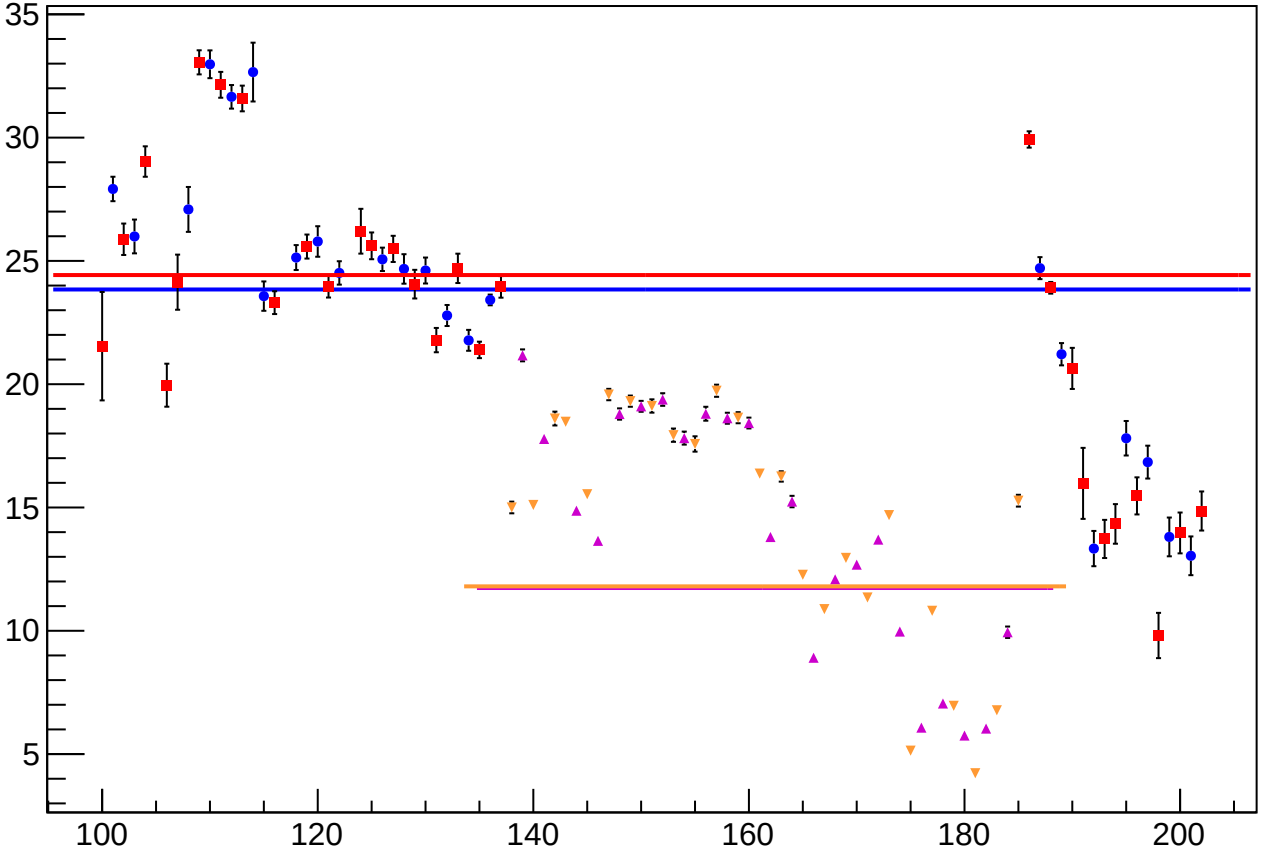
Right: 2.467+/-0.073 χ^2/NDF: 787.2/51

In: 0.250+/-0.027 χ^2/NDF:5207.5/45

Out: 0.180+/-0.027 χ^2/NDF:6796.5/53

All: 0.215+/-0.019 χ^2/NDF: 12007.4/99

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.841+/-0.104 χ^2/NDF: 1526.8/22

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.426+/-0.098 χ^2/NDF: 2329.4/28

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

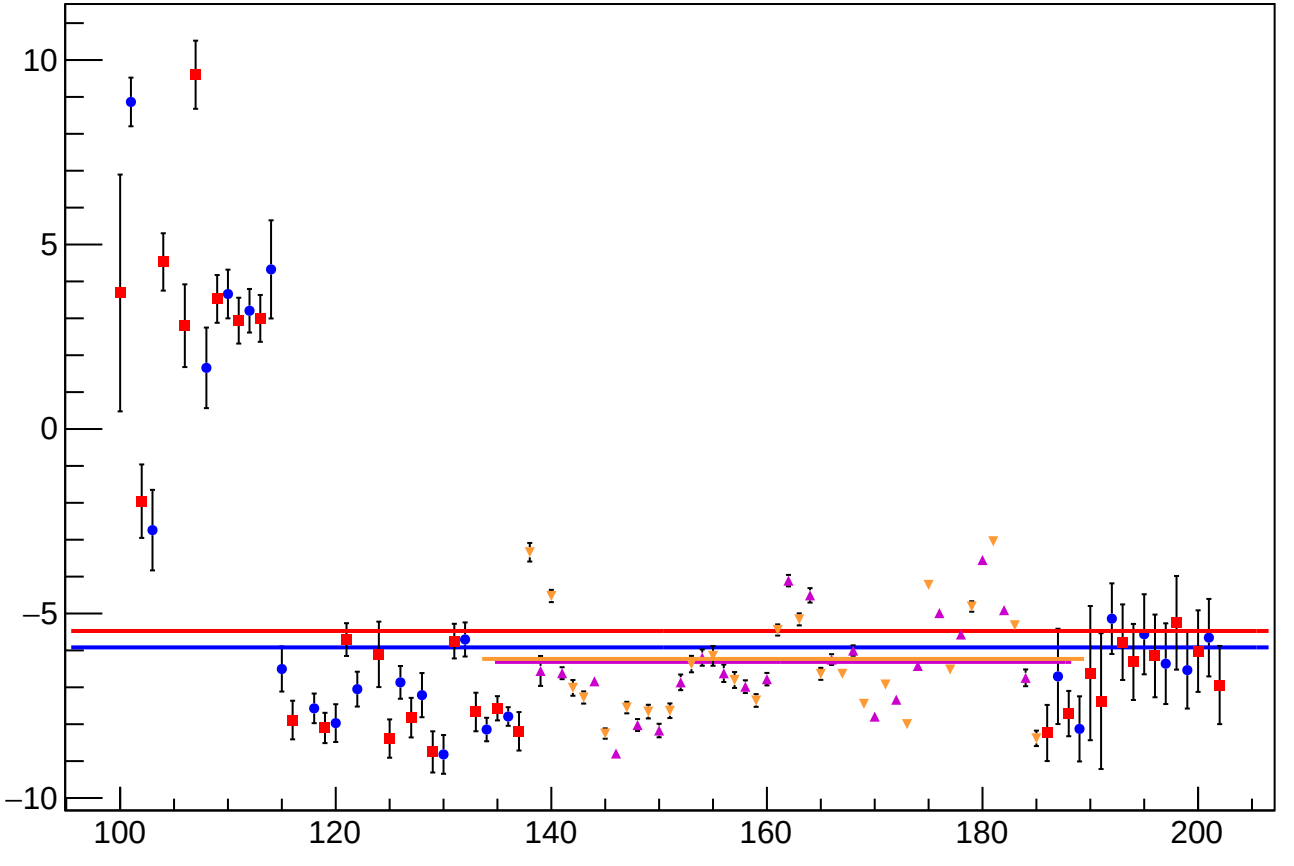
Right: 24.151+/-0.072 χ^2/NDF: 3872.9/51

In: 13.010+/-0.034 χ^2/NDF:31562.8/45

Out: 13.207+/-0.033 χ^2/NDF:38417.7/53

All: 13.111+/-0.024 χ^2/NDF: 69998.0/99

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.918+/-0.115 χ^2/NDF: 1259.5/22

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.473+/-0.120 χ^2/NDF: 1326.9/28

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

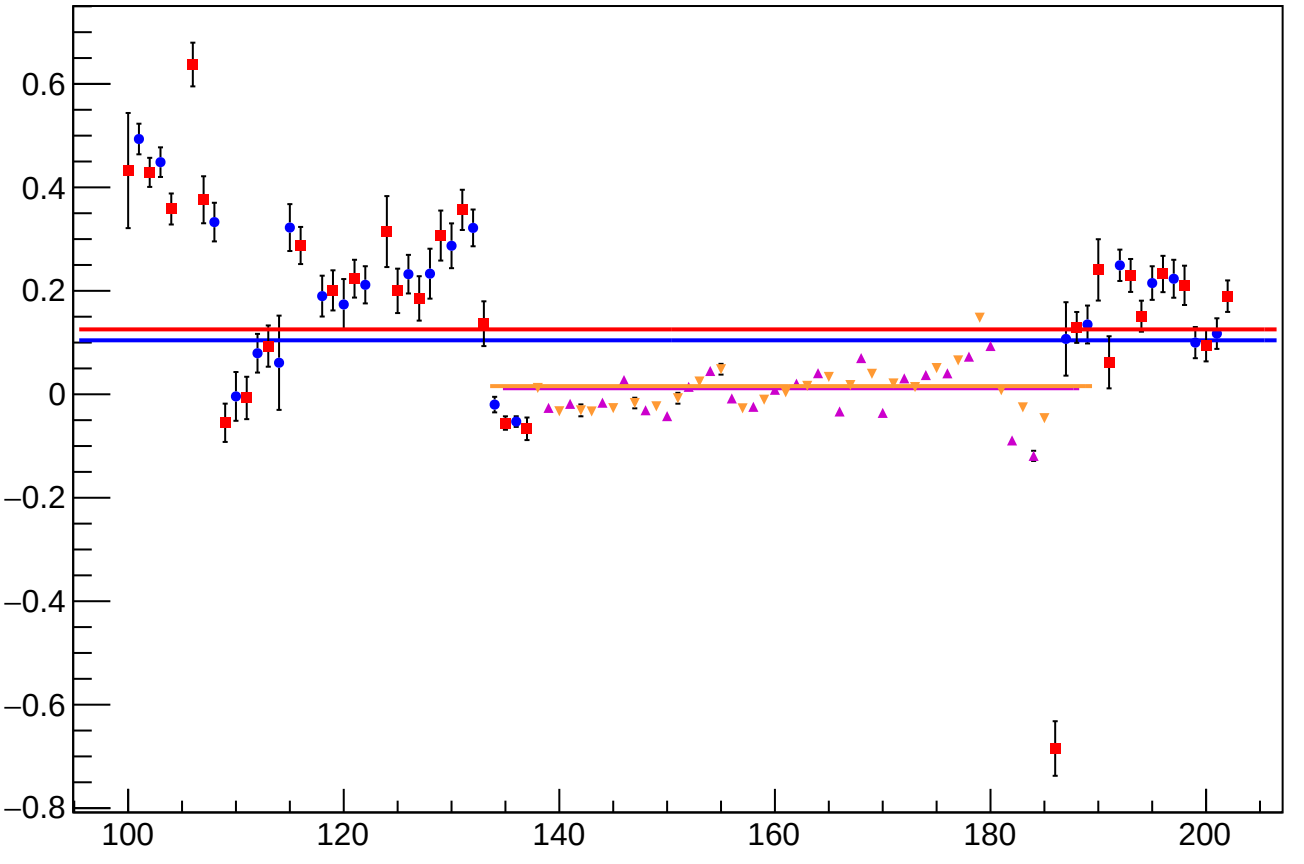
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.704+/-0.083 χ^2/NDF: 2593.6/51

In: -6.284+/-0.030 χ^2/NDF:3300.5/45

Out: -6.184+/-0.030 χ^2/NDF:3814.5/53

All: -6.233+/-0.021 χ^2/NDF: 7120.5/99



Right In: 0.104+/-0.006 χ^2/NDF: 820.4/22

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.125+/-0.006 χ^2/NDF: 1034.7/28

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

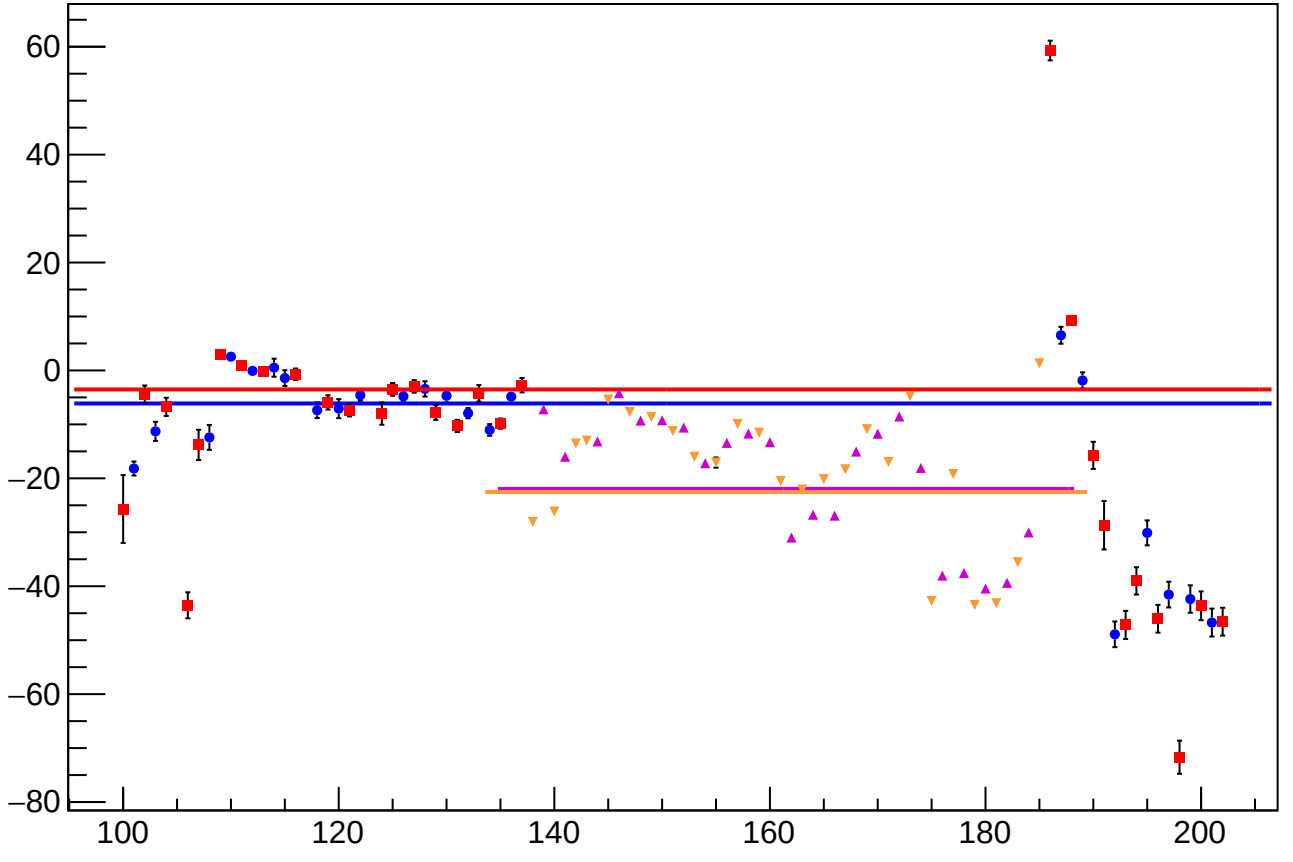
Right: 0.114+/-0.004 χ^2/NDF: 1861.4/51

In: 0.017+/-0.001 χ^2/NDF:2353.2/45

Out: 0.021+/-0.001 χ^2/NDF:2271.7/53

All: 0.019+/-0.001 χ^2/NDF: 4630.0/99

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.123+/-0.253 χ^2/NDF: 1543.9/22

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.525+/-0.239 χ^2/NDF: 3814.5/28

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

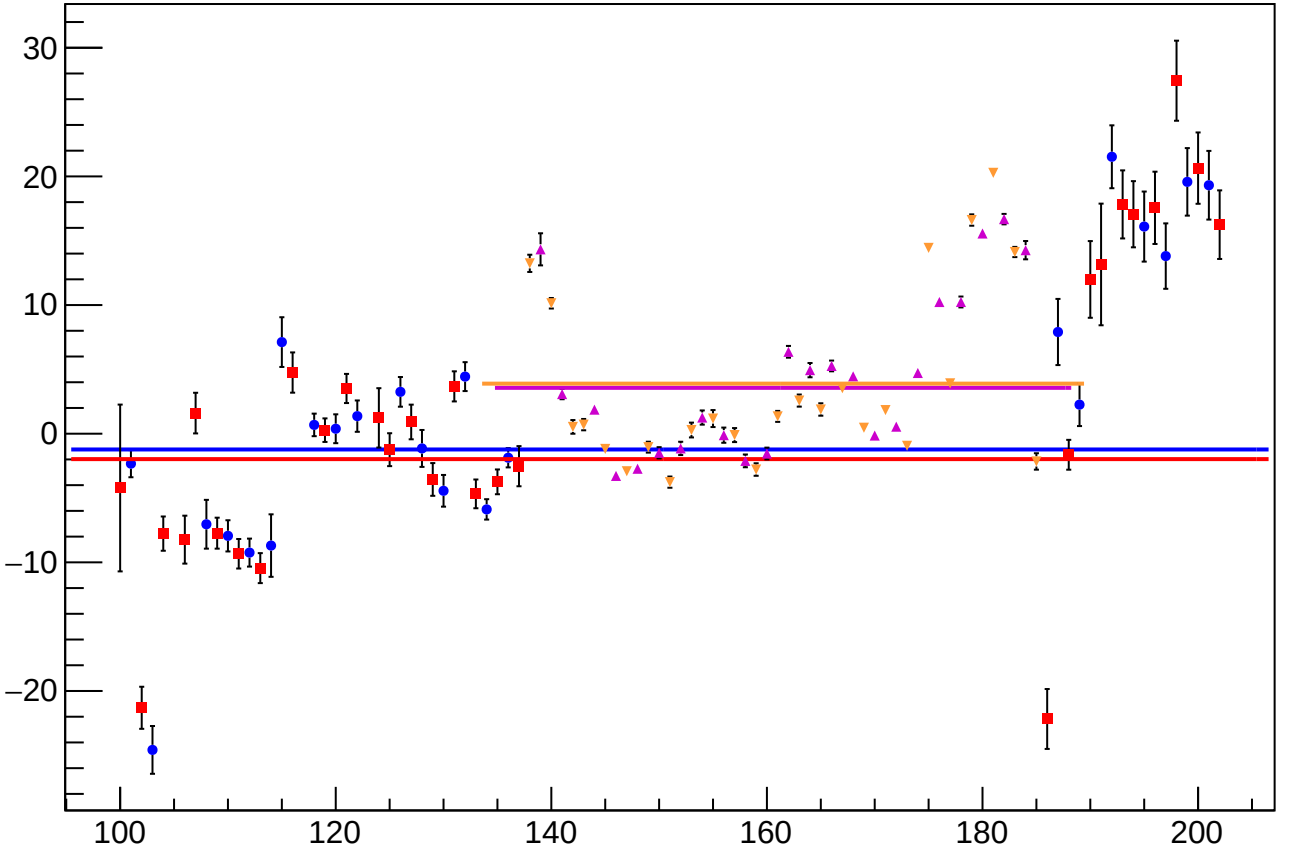
Right: -4.746+/-0.174 χ^2/NDF: 5414.1/51

In: -19.402+/-0.102 χ^2/NDF:17402.9/45

Out: -19.303+/-0.098 χ^2/NDF:25618.0/53

All: -19.351+/-0.071 χ^2/NDF: 43021.3/99

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.226+/-0.272 χ^2/NDF: 676.6/22

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.976+/-0.276 χ^2/NDF: 850.3/28

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

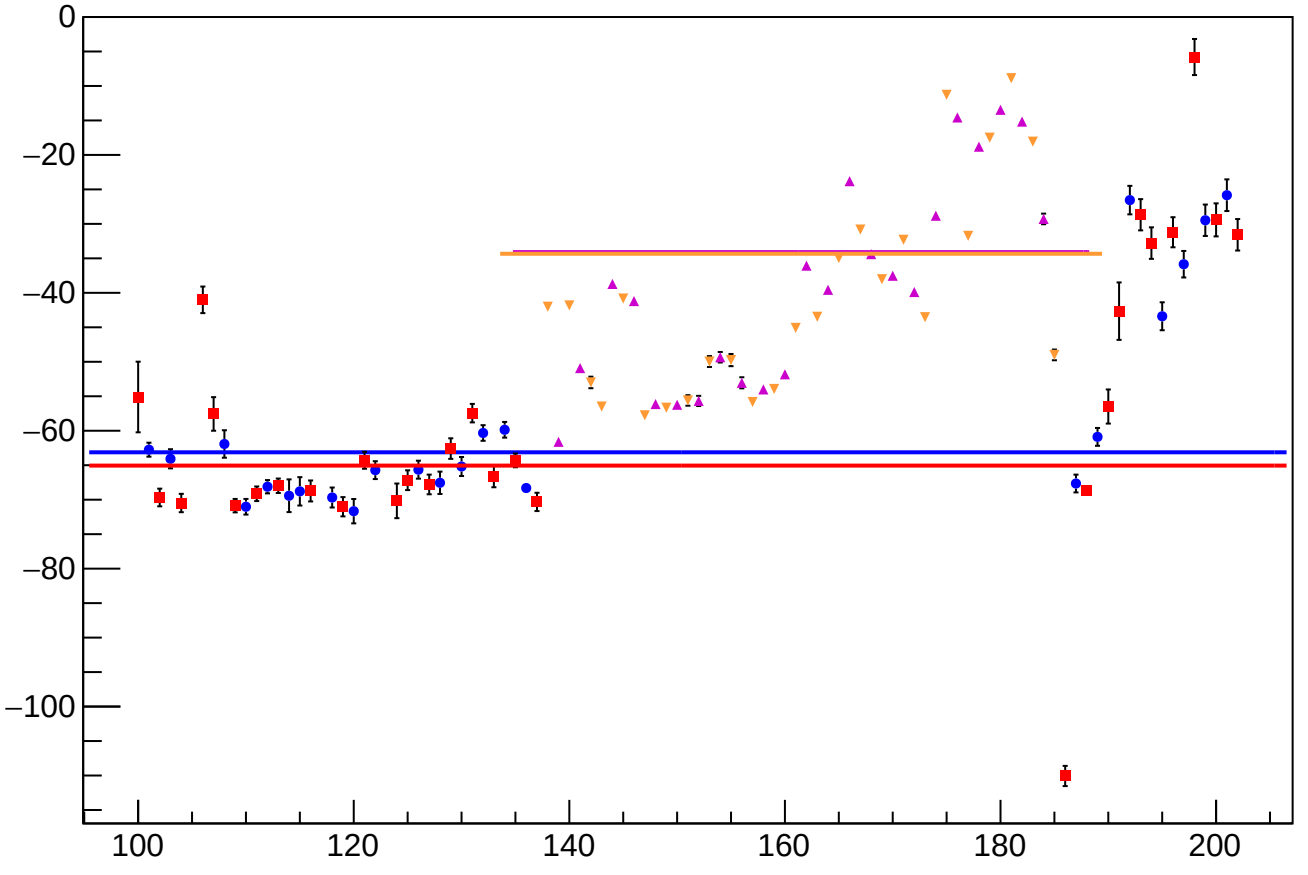
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -1.595+/-0.194 χ^2/NDF: 1530.6/51

In: 3.129+/-0.082 χ^2/NDF:5697.8/45

Out: 3.393+/-0.081 χ^2/NDF:7986.5/53

All: 3.263+/-0.058 χ^2/NDF: 13689.5/99



Right In: -63.127+/-0.276 χ^2/NDF: 1336.0/22

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -65.054+/-0.264 χ^2/NDF: 3004.6/28

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

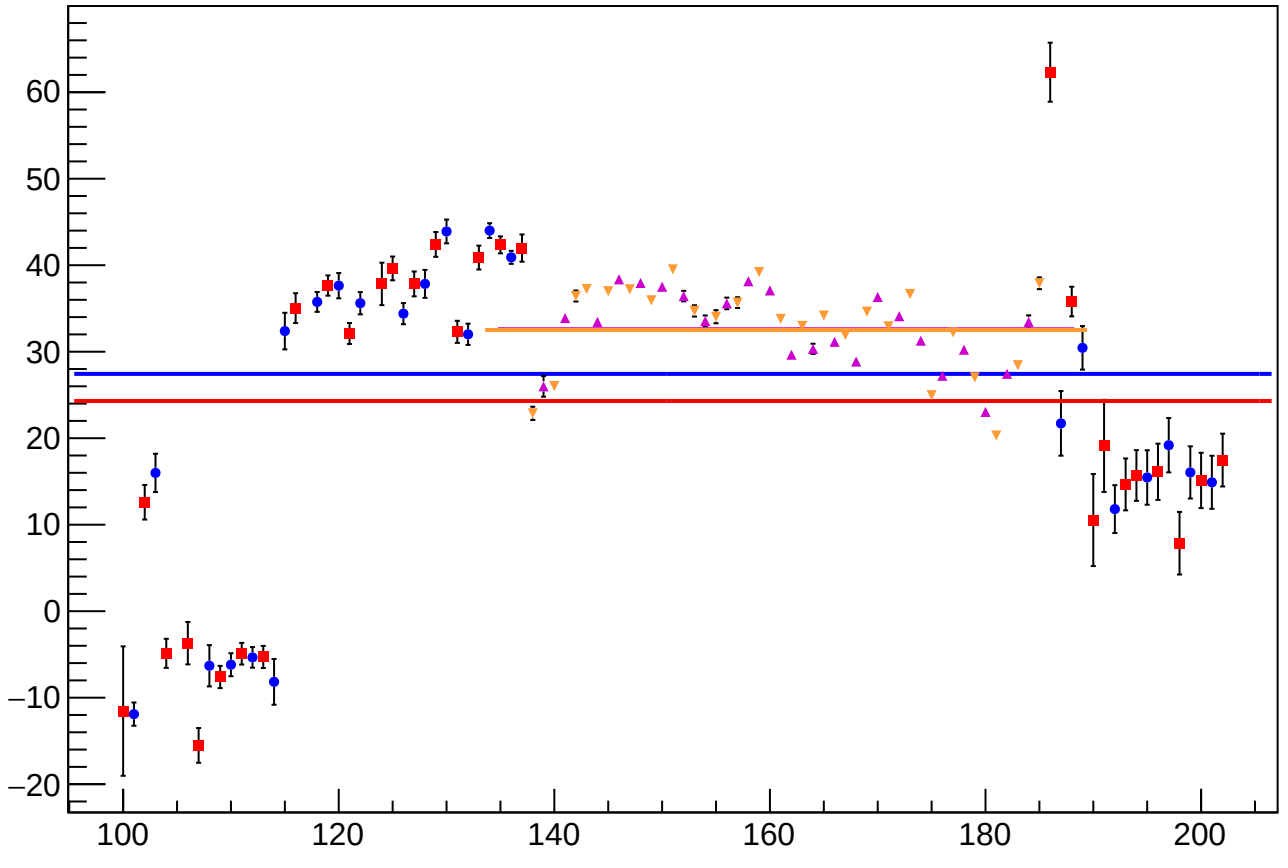
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -64.132+/-0.191 χ^2/NDF: 4366.1/51

In: -38.130+/-0.103 χ^2/NDF:28590.0/45

Out: -38.748+/-0.100 χ^2/NDF:35772.3/53

All: -38.447+/-0.072 χ^2/NDF: 64380.9/99



Right In: 27.436+/-0.308 χ^2/NDF: 3820.2/22

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.299+/-0.317 χ^2/NDF: 4077.5/28

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

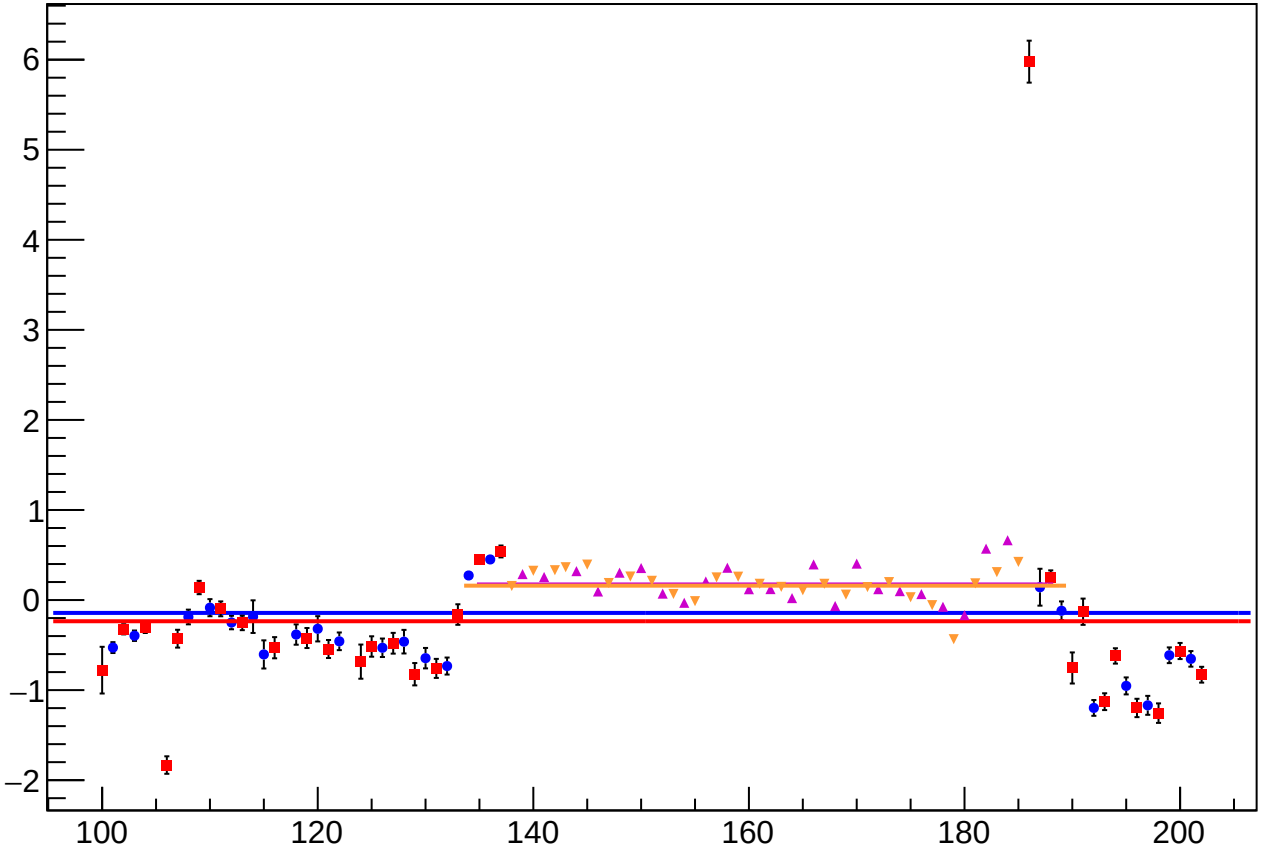
Right: 25.911+/-0.221 χ^2/NDF: 7948.2/51

In: 32.134+/-0.092 χ^2/NDF:6088.9/45

Out: 31.838+/-0.091 χ^2/NDF:7633.4/53

All: 31.984+/-0.065 χ^2/NDF: 13727.5/99

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.143+/-0.016 χ^2/NDF: 1026.4/22

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.235+/-0.016 χ^2/NDF: 1950.7/28

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

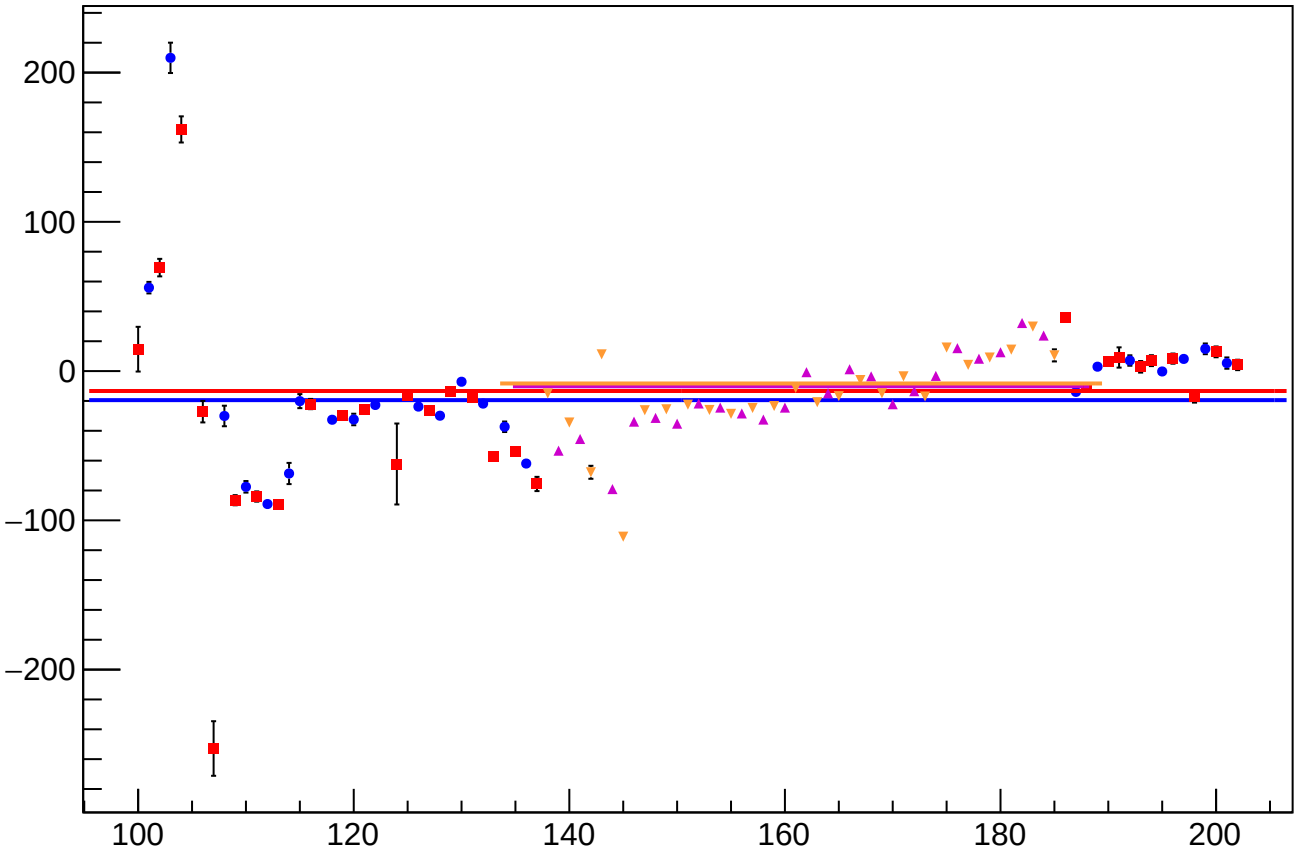
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.187+/-0.011 χ^2/NDF: 2993.8/51

In: 0.151+/-0.004 χ^2/NDF:3531.8/45

Out: 0.135+/-0.004 χ^2/NDF:4112.7/53

All: 0.143+/-0.003 χ^2/NDF: 7652.2/99



Right In: -19.461+/-0.657 χ^2/NDF: 2533.4/22

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -13.340+/-0.571 χ^2/NDF: 4125.5/28

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

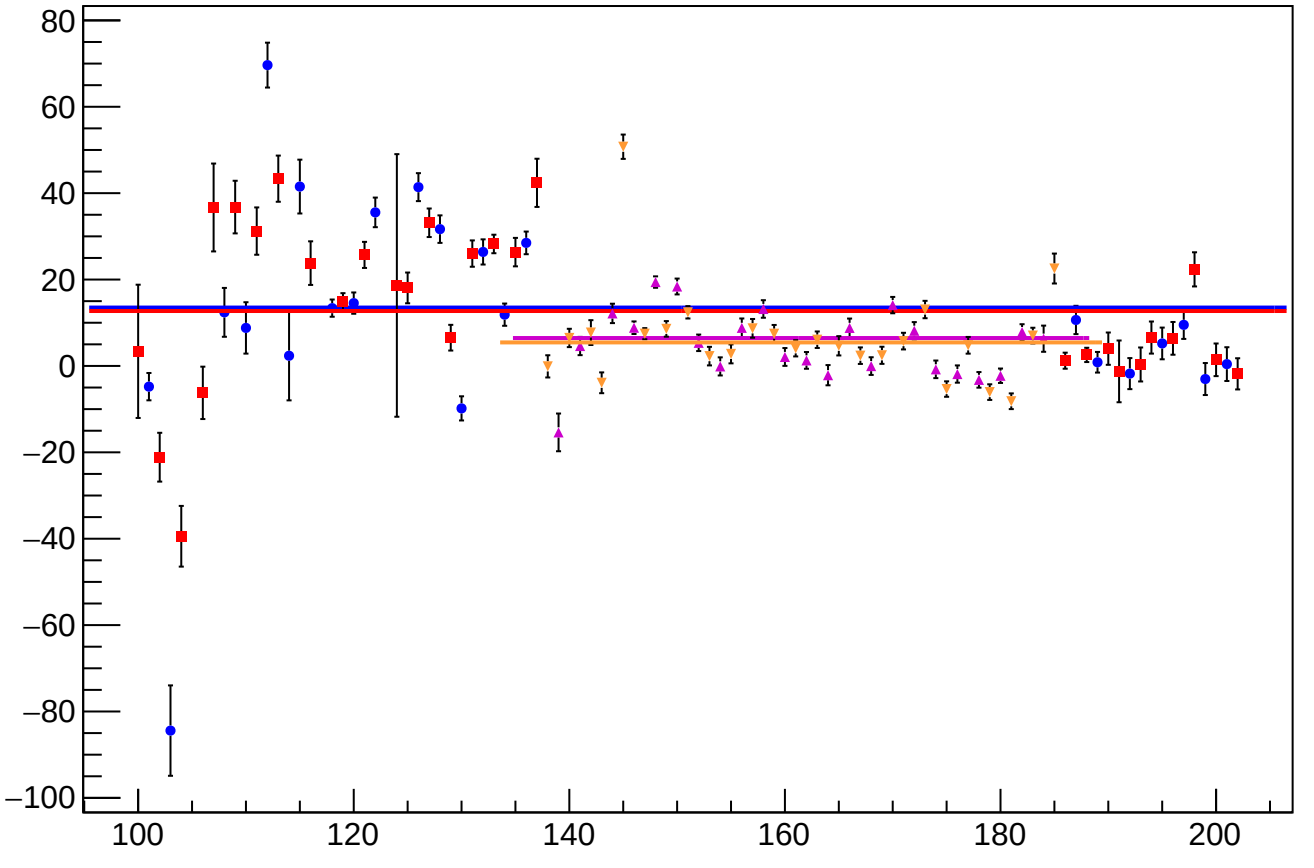
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

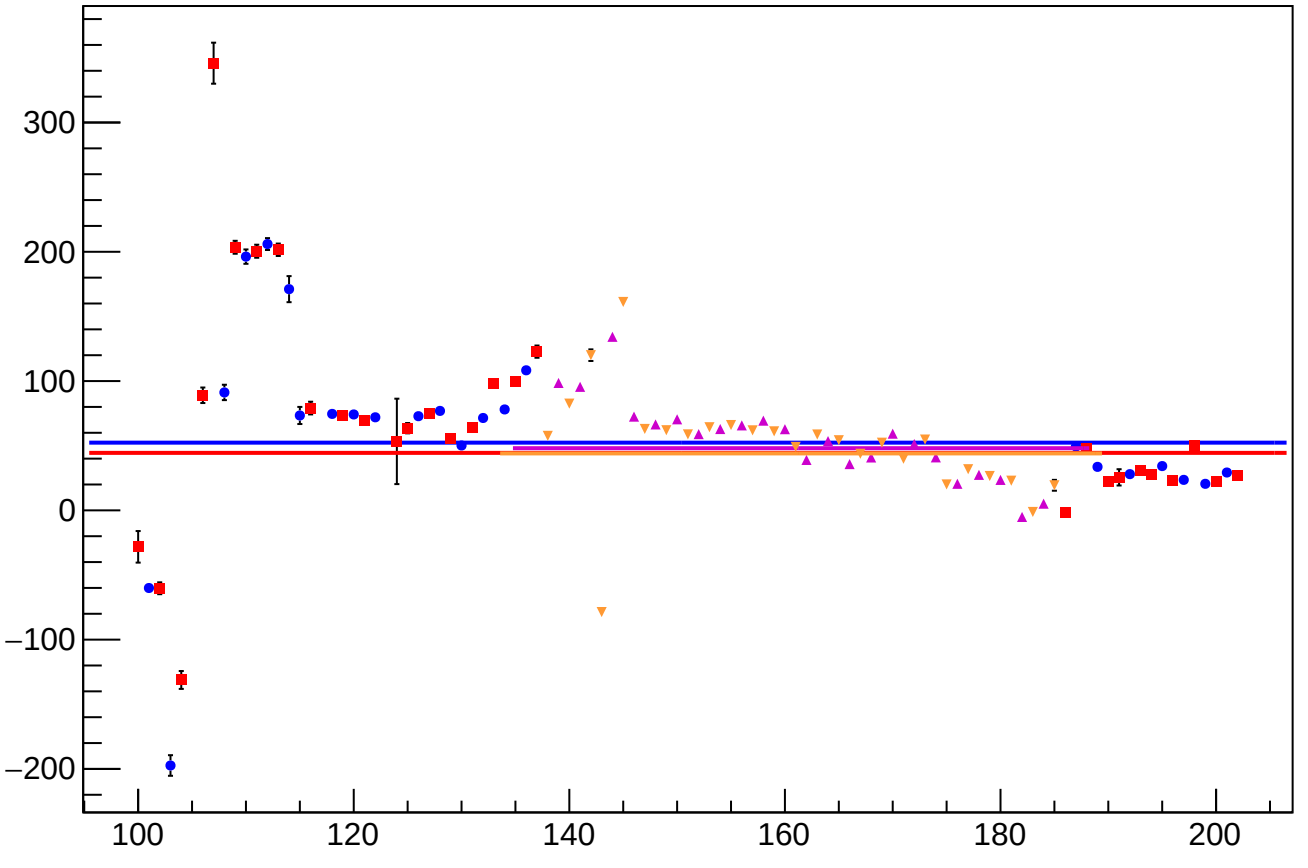
Right: -15.973+/-0.431 χ^2/NDF: 6708.4/51

In: -13.808+/-0.411 χ^2/NDF:5173.3/45

Out: -10.553+/-0.382 χ^2/NDF:6728.3/53

All: -12.062+/-0.280 χ^2/NDF: 11935.2/99


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 13.516+/-0.685 χ²/NDF: 614.9/22
Left Out: 5.445+/-0.394 χ²/NDF:493.7/24
Right Out: 12.717+/-0.634 χ²/NDF: 484.7/28
Left In: 6.461+/-0.408 χ²/NDF:336.0/22
Left: 5.936+/-0.283 χ²/NDF: 832.9/47
Right: 13.085+/-0.465 χ²/NDF: 1100.4/51
In: 8.308+/-0.351 χ²/NDF:1029.2/45
Out: 7.472+/-0.335 χ²/NDF:1073.4/53
All: 7.871+/-0.242 χ²/NDF: 2105.5/99



Right In: 52.373+/-0.642 χ^2/NDF: 5744.0/22

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 44.461+/-0.531 χ^2/NDF: 7606.3/28

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

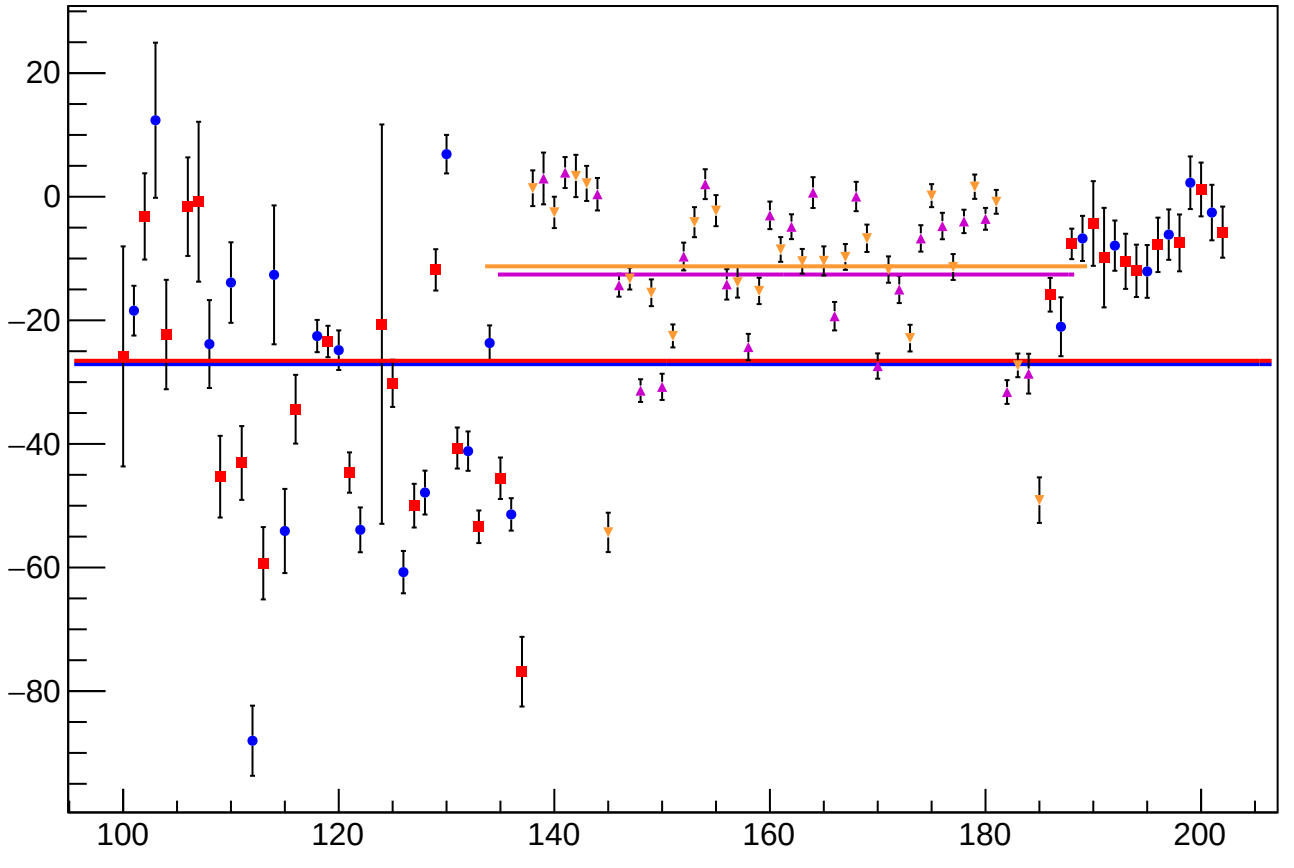
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 47.678+/-0.409 χ^2/NDF: 13440.5/51

In: 49.784+/-0.405 χ^2/NDF:9147.5/45

Out: 44.242+/-0.368 χ^2/NDF:12170.4/53

All: 46.750+/-0.272 χ^2/NDF: 21420.7/99



Right In: -27.091+/-0.810 χ^2/NDF: 737.1/22

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -26.547+/-0.775 χ^2/NDF: 619.2/28

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

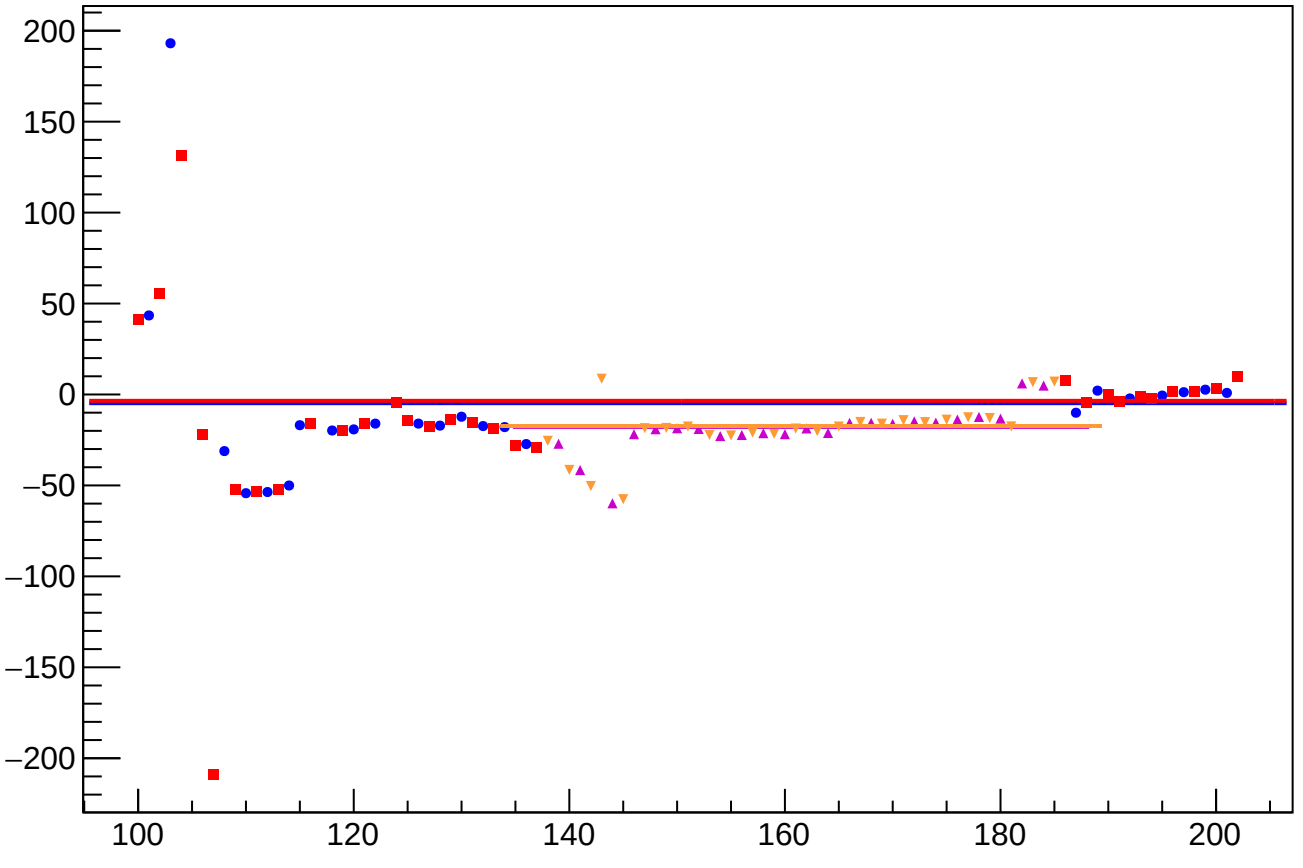
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -26.807+/-0.560 χ^2/NDF: 1356.6/51

In: -16.115+/-0.399 χ^2/NDF:1651.8/45

Out: -15.048+/-0.386 χ^2/NDF:1555.0/53

All: -15.563+/-0.277 χ^2/NDF: 3210.6/99



Right In: -4.774+/-0.039 χ^2/NDF: 543262.7/22

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -3.486+/-0.037 χ^2/NDF: 495544.1/28

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

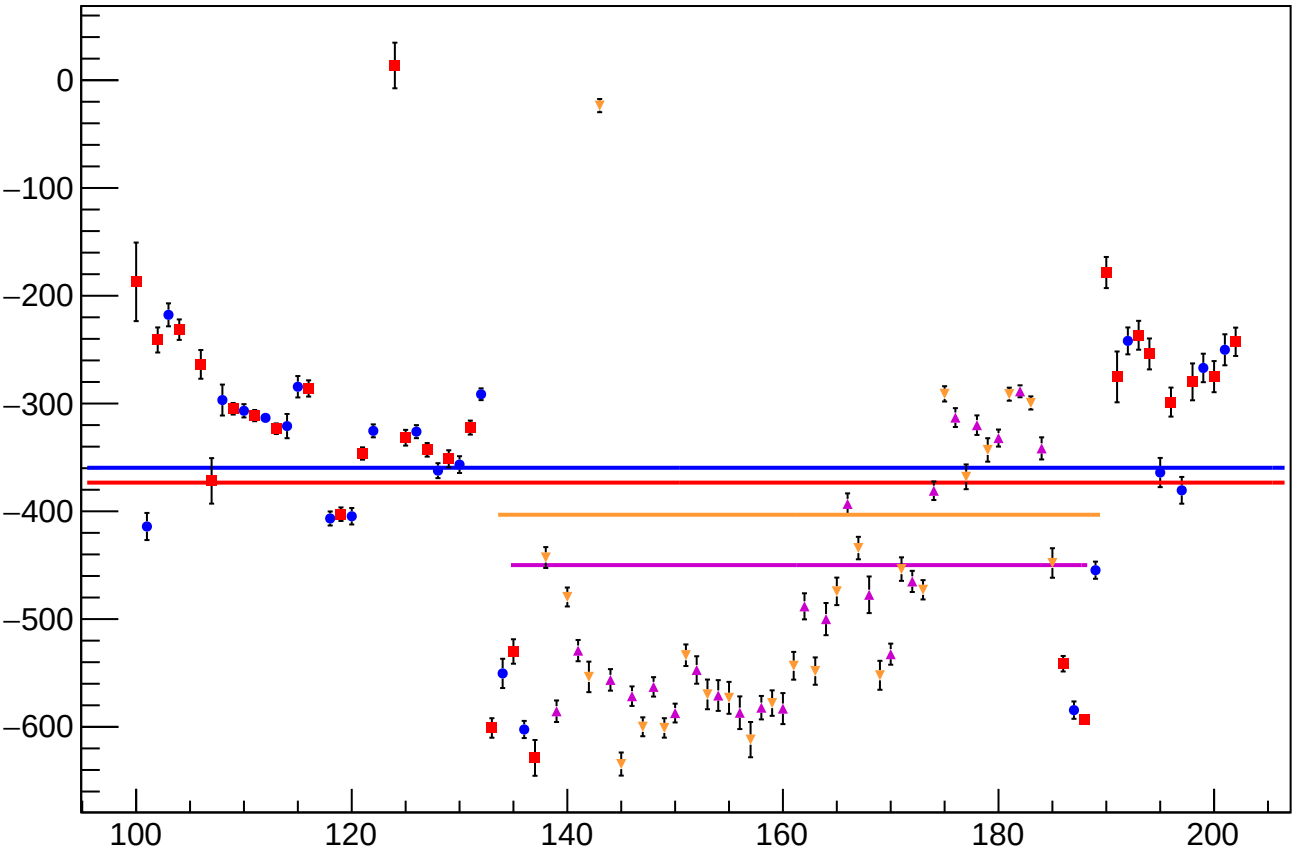
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -4.091+/-0.027 χ^2/NDF: 1039388.8/51

In: -15.032+/-0.018 χ^2/NDF:899387.6/45

Out: -14.157+/-0.018 χ^2/NDF:953541.1/53

All: -14.583+/-0.013 χ^2/NDF: 1854143.8/99



Right In: -359.602+/-1.666 χ^2/NDF: 3014.4/22

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -373.379+/-1.520 χ^2/NDF: 6291.5/28

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

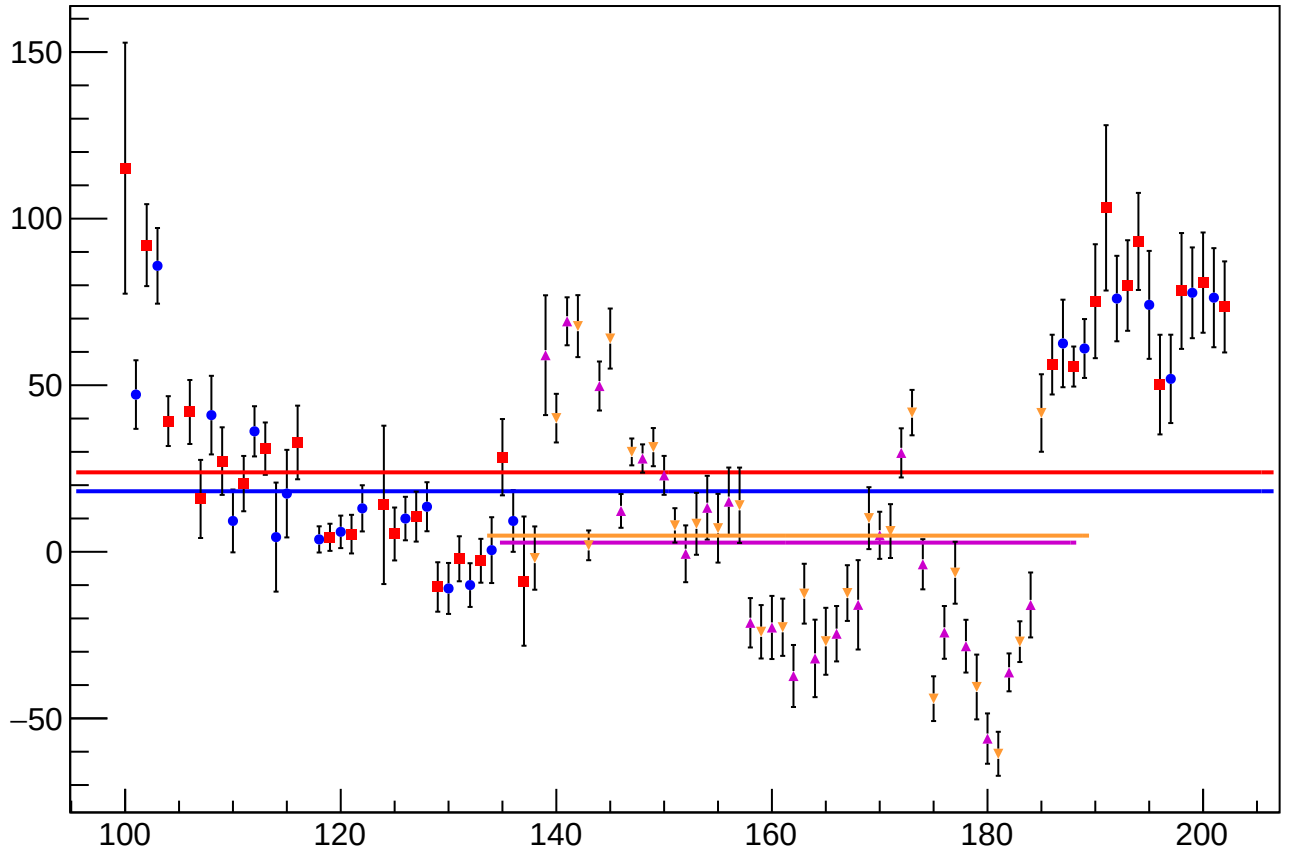
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -367.121+/-1.123 χ^2/NDF: 9343.2/51

In: -395.657+/-1.291 χ^2/NDF:7407.0/45

Out: -384.806+/-1.193 χ^2/NDF:14189.3/53

All: -389.806+/-0.876 χ^2/NDF: 21634.4/99



Right In: 18.174+/-1.719 χ^2/NDF: 221.9/22

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 23.850+/-1.658 χ^2/NDF: 284.3/28

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

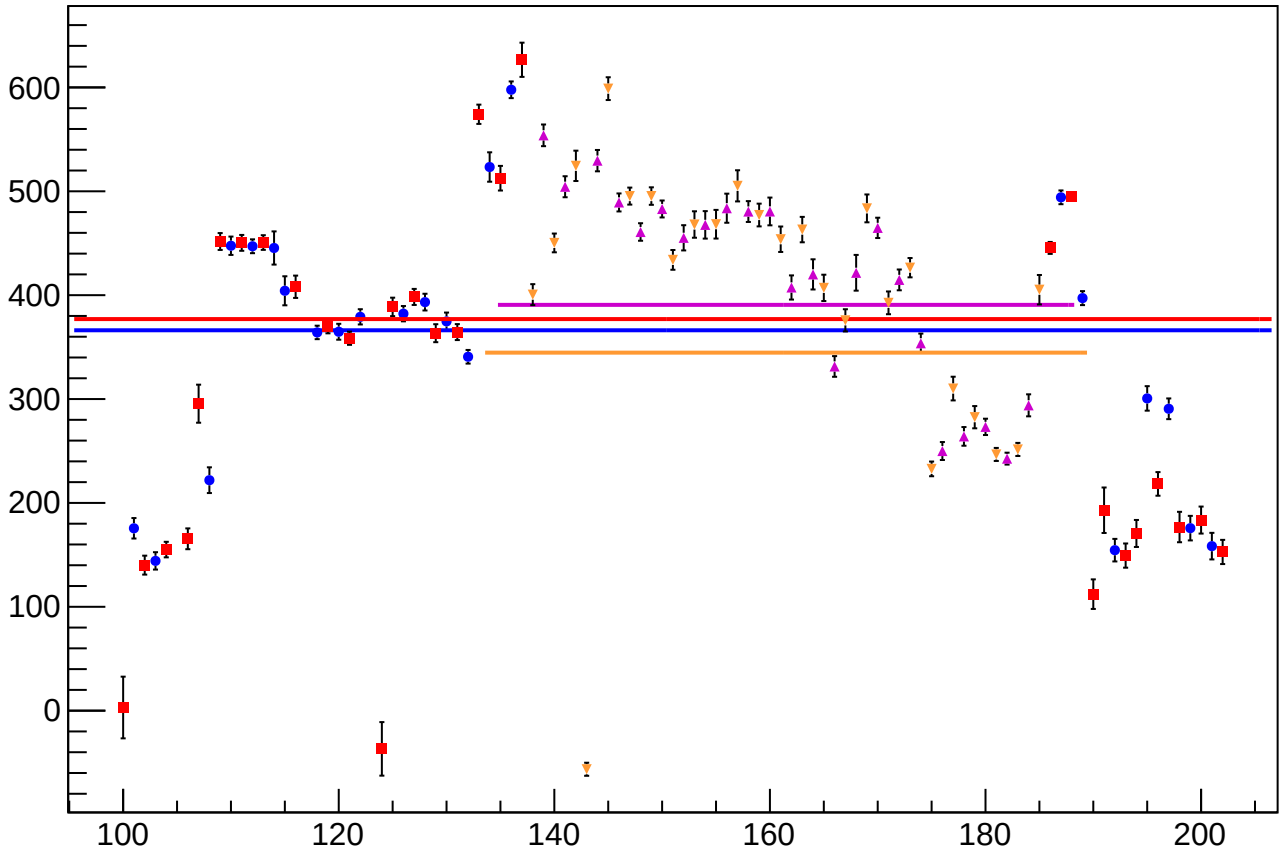
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 21.113+/-1.193 χ^2/NDF: 511.8/51

In: 9.693+/-1.153 χ^2/NDF:665.8/45

Out: 13.068+/-1.090 χ^2/NDF:815.9/53

All: 11.474+/-0.792 χ^2/NDF: 1486.2/99



Right In: 366.206+/-1.796 χ^2/NDF: 3855.3/22

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 376.985+/-1.585 χ^2/NDF: 6902.8/28

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

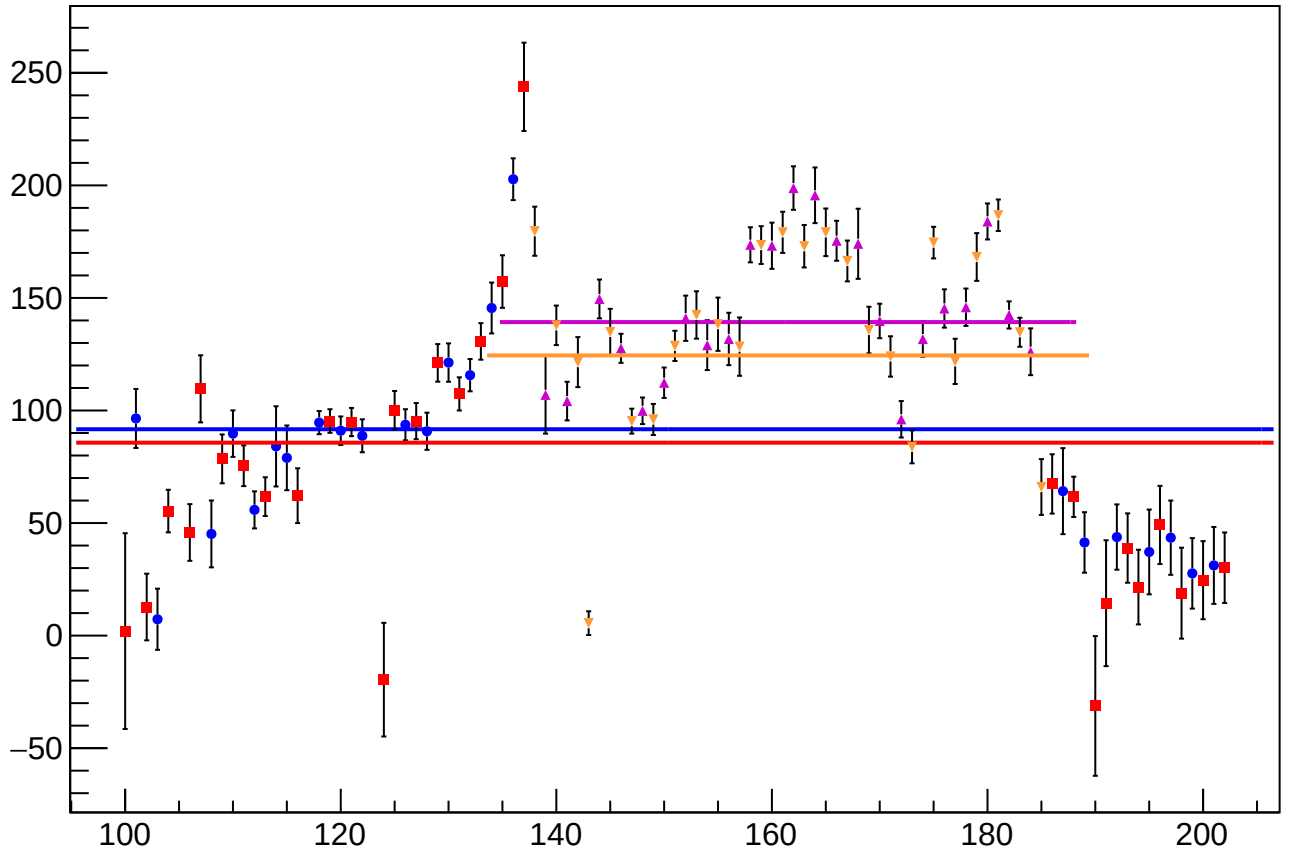
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 372.265+/-1.188 χ^2/NDF: 10778.3/51

In: 376.950+/-1.345 χ^2/NDF:6609.6/45

Out: 363.923+/-1.223 χ^2/NDF:14348.9/53

All: 369.822+/-0.905 χ^2/NDF: 21009.8/99



Right In: 91.674+/-2.022 χ^2/NDF: 331.4/22

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 85.705+/-1.960 χ^2/NDF: 345.8/28

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

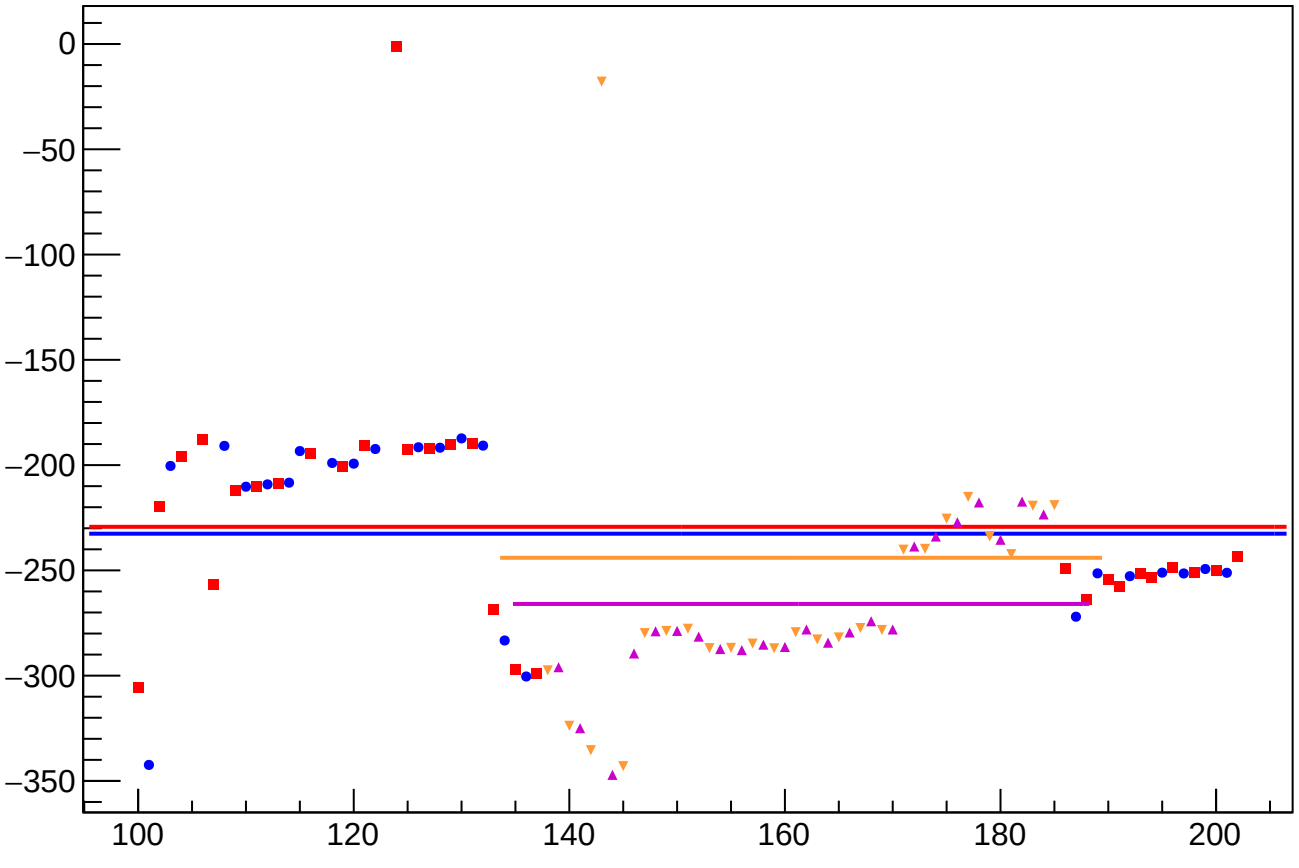
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 88.596+/-1.407 χ^2/NDF: 681.7/51

In: 118.634+/-1.332 χ^2/NDF:906.1/45

Out: 108.256+/-1.268 χ^2/NDF:1510.9/53

All: 113.190+/-0.918 χ^2/NDF: 2448.8/99



Right In: -232.577+/-0.114 χ^2/NDF: 135104.8/22

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.307+/-0.107 χ^2/NDF: 110006.6/28

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

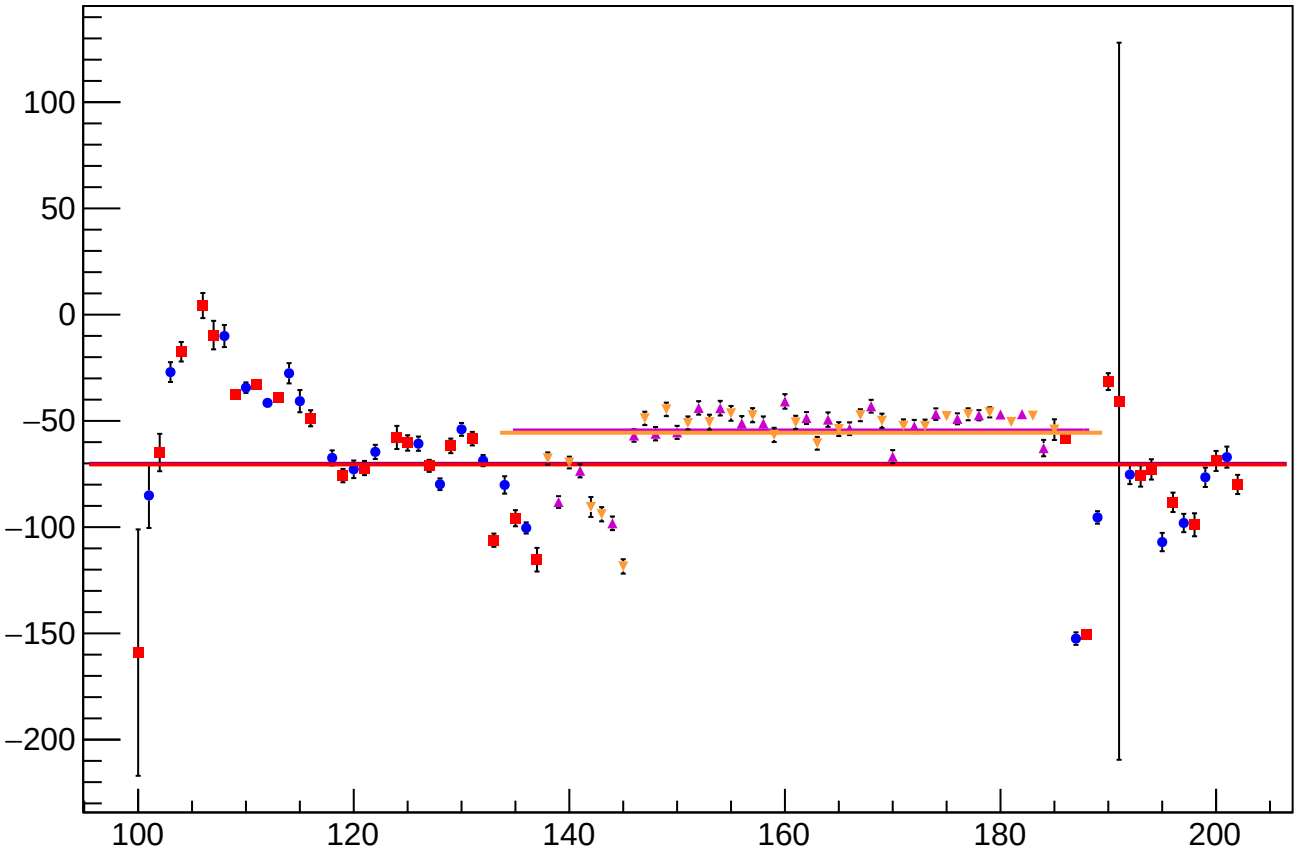
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -230.825+/-0.078 χ^2/NDF: 245548.9/51

In: -254.899+/-0.066 χ^2/NDF:361923.7/45

Out: -238.943+/-0.063 χ^2/NDF:1120459.9/53

All: -246.516+/-0.045 χ^2/NDF: 1513237.1/99



Right In: -70.201+/-0.720 χ^2/NDF: 1874.8/22

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.472+/-0.623 χ^2/NDF: 3763.4/28

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

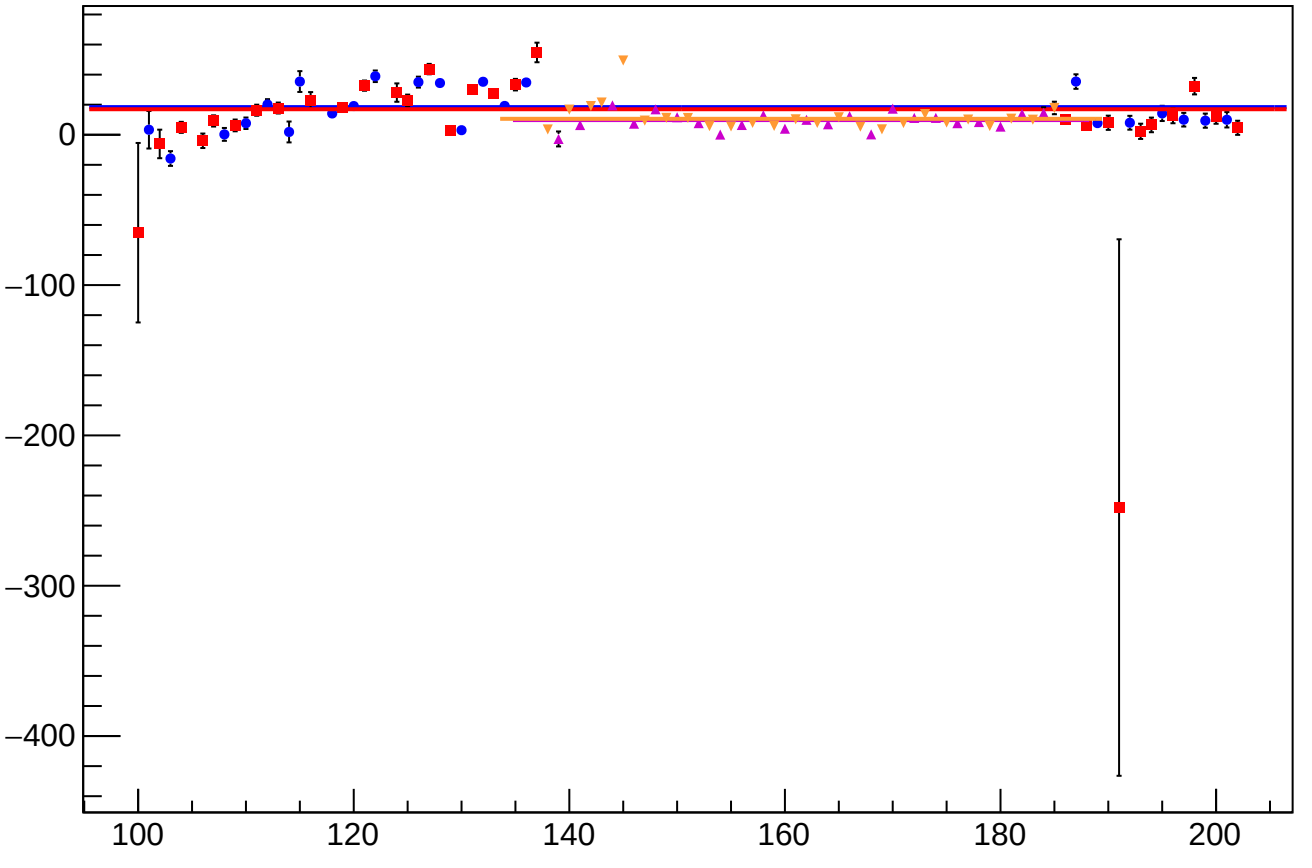
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -70.356+/-0.471 χ^2/NDF: 5638.3/51

In: -61.016+/-0.464 χ^2/NDF:2653.6/45

Out: -62.620+/-0.428 χ^2/NDF:4751.3/53

All: -61.881+/-0.315 χ^2/NDF: 7411.4/99



Right In: 18.388+/-0.770 χ^2/NDF: 289.1/22

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 16.983+/-0.695 χ^2/NDF: 309.2/28

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

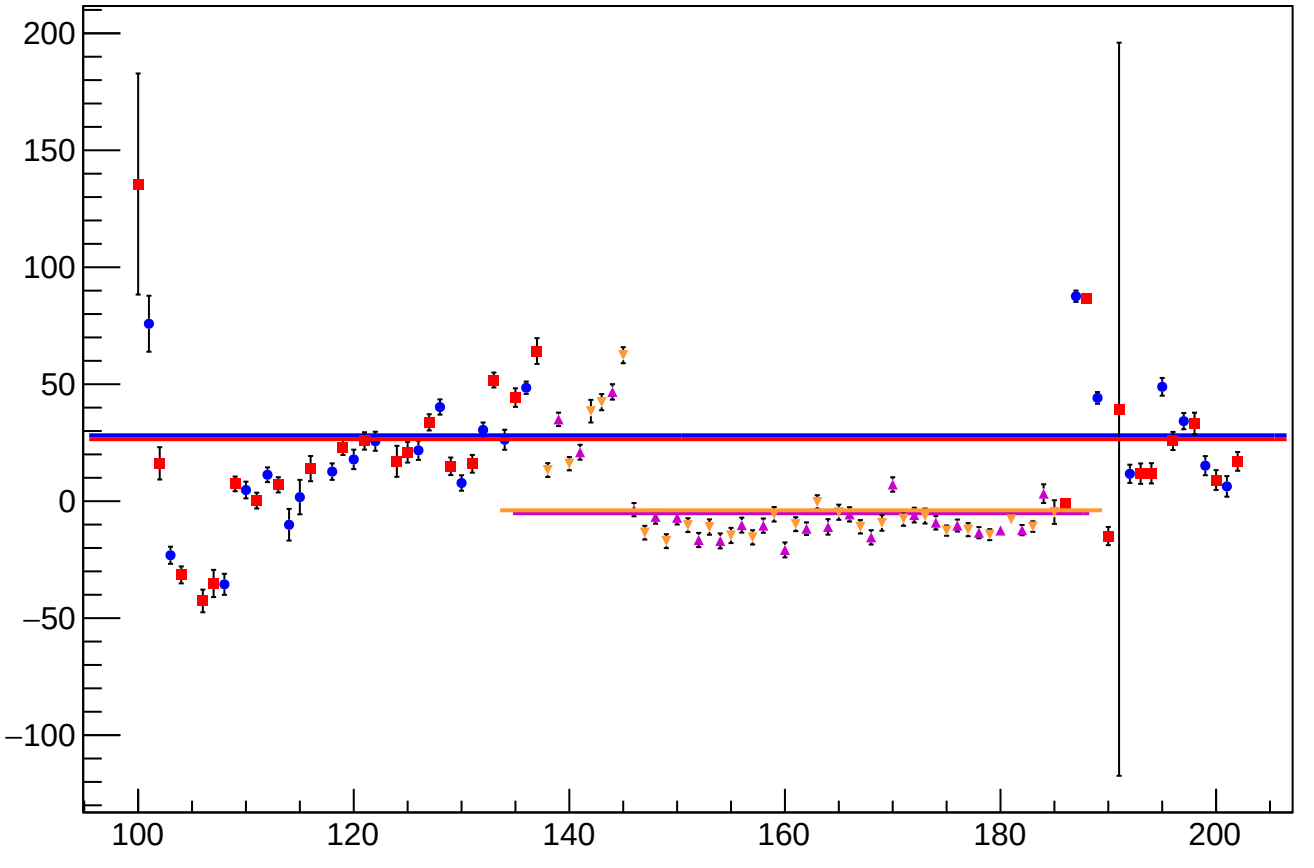
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 17.613+/-0.516 χ^2/NDF: 600.1/51

In: 12.081+/-0.399 χ^2/NDF:501.7/45

Out: 12.483+/-0.377 χ^2/NDF:623.8/53

All: 12.293+/-0.274 χ^2/NDF: 1126.0/99



Right In: 28.161+/-0.756 χ^2/NDF: 1393.3/22

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 26.510+/-0.625 χ^2/NDF: 3304.6/28

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

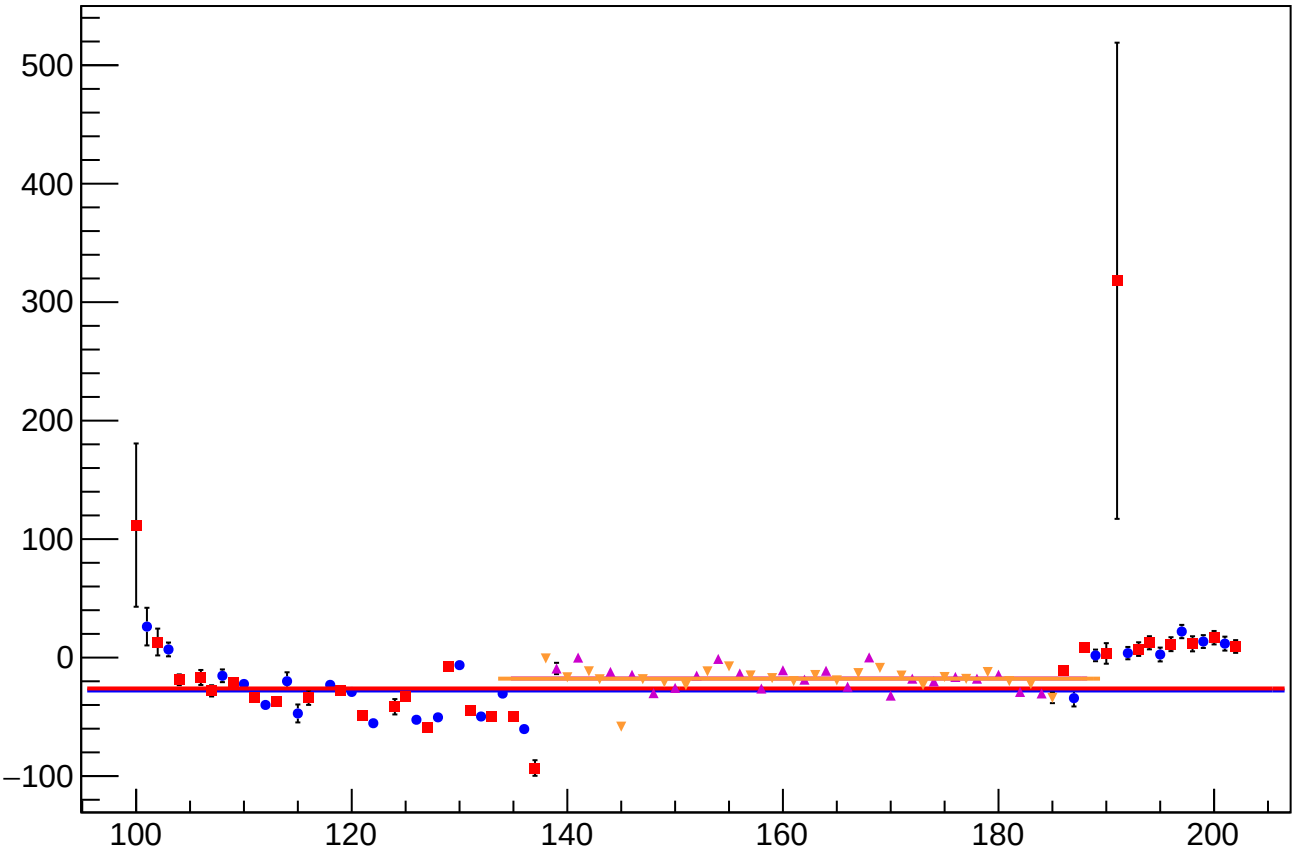
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.181+/-0.482 χ^2/NDF: 4700.7/51

In: 7.731+/-0.470 χ^2/NDF:3233.2/45

Out: 10.299+/-0.427 χ^2/NDF:5415.6/53

All: 9.137+/-0.316 χ^2/NDF: 8665.1/99



Right In: -27.766+/-0.897 χ^2/NDF: 681.1/22

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -26.064+/-0.835 χ^2/NDF: 817.5/28

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

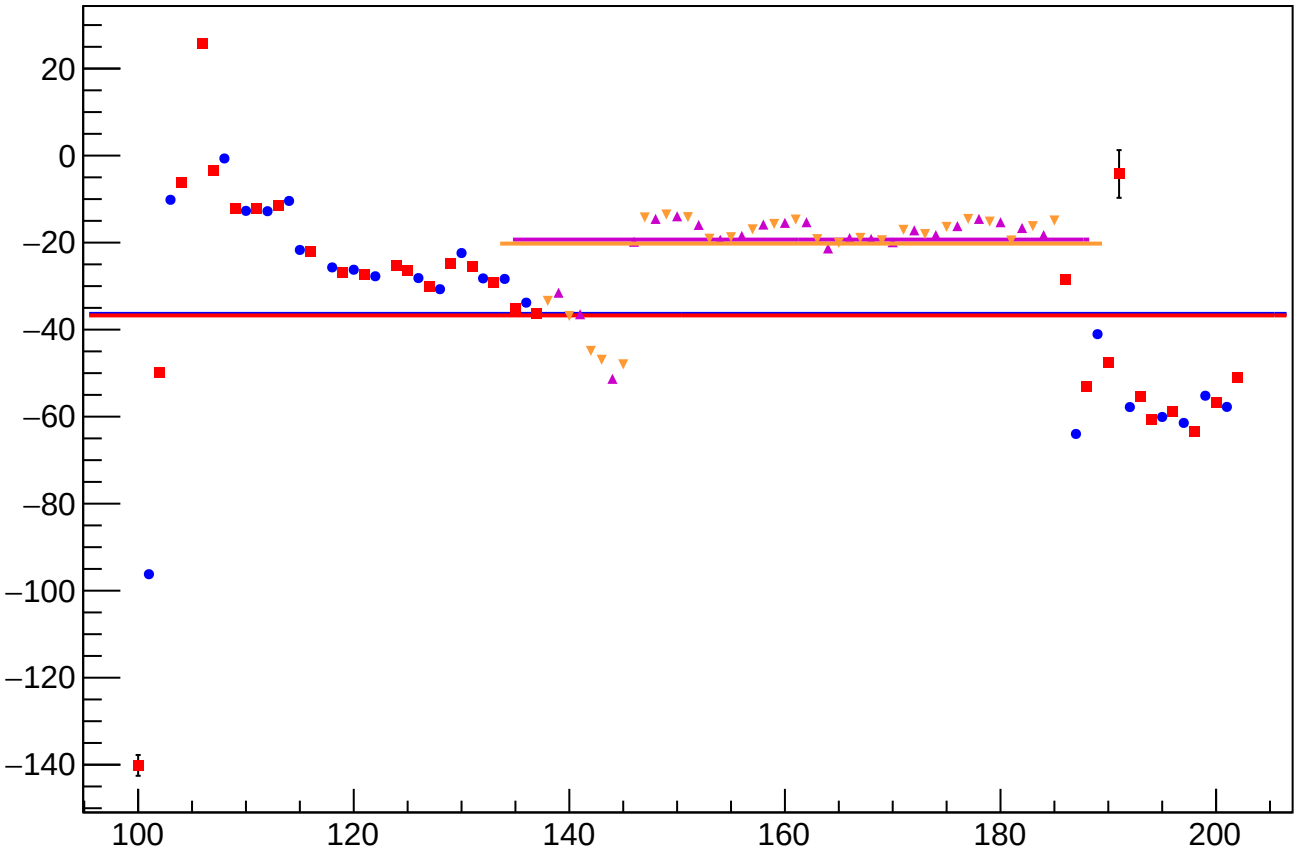
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -26.854+/-0.611 χ^2/NDF: 1500.6/51

In: -20.232+/-0.454 χ^2/NDF:1061.8/45

Out: -20.020+/-0.434 χ^2/NDF:1140.9/53

All: -20.121+/-0.314 χ^2/NDF: 2202.8/99



Right In: -36.384+/-0.045 χ^2/NDF: 193941.7/22

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -36.733+/-0.042 χ^2/NDF: 270648.6/28

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

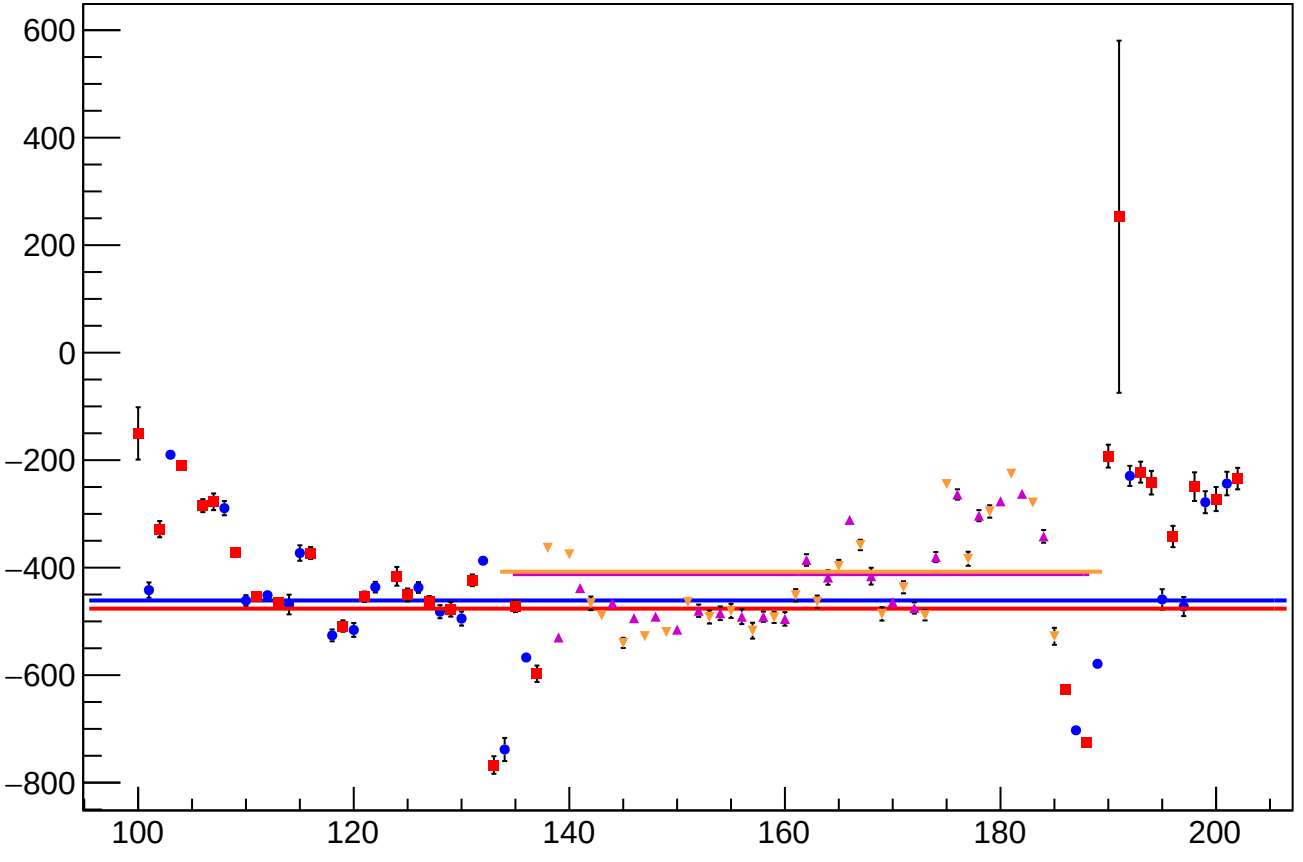
Right: -36.568+/-0.031 χ^2/NDF: 464622.3/51

In: -22.946+/-0.021 χ^2/NDF:401745.7/45

Out: -23.949+/-0.020 χ^2/NDF:535610.0/53

All: -23.461+/-0.014 χ^2/NDF: 938566.5/99

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -461.076+/-2.388 χ^2/NDF: 2806.2/22

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -476.240+/-2.079 χ^2/NDF: 6077.3/28

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

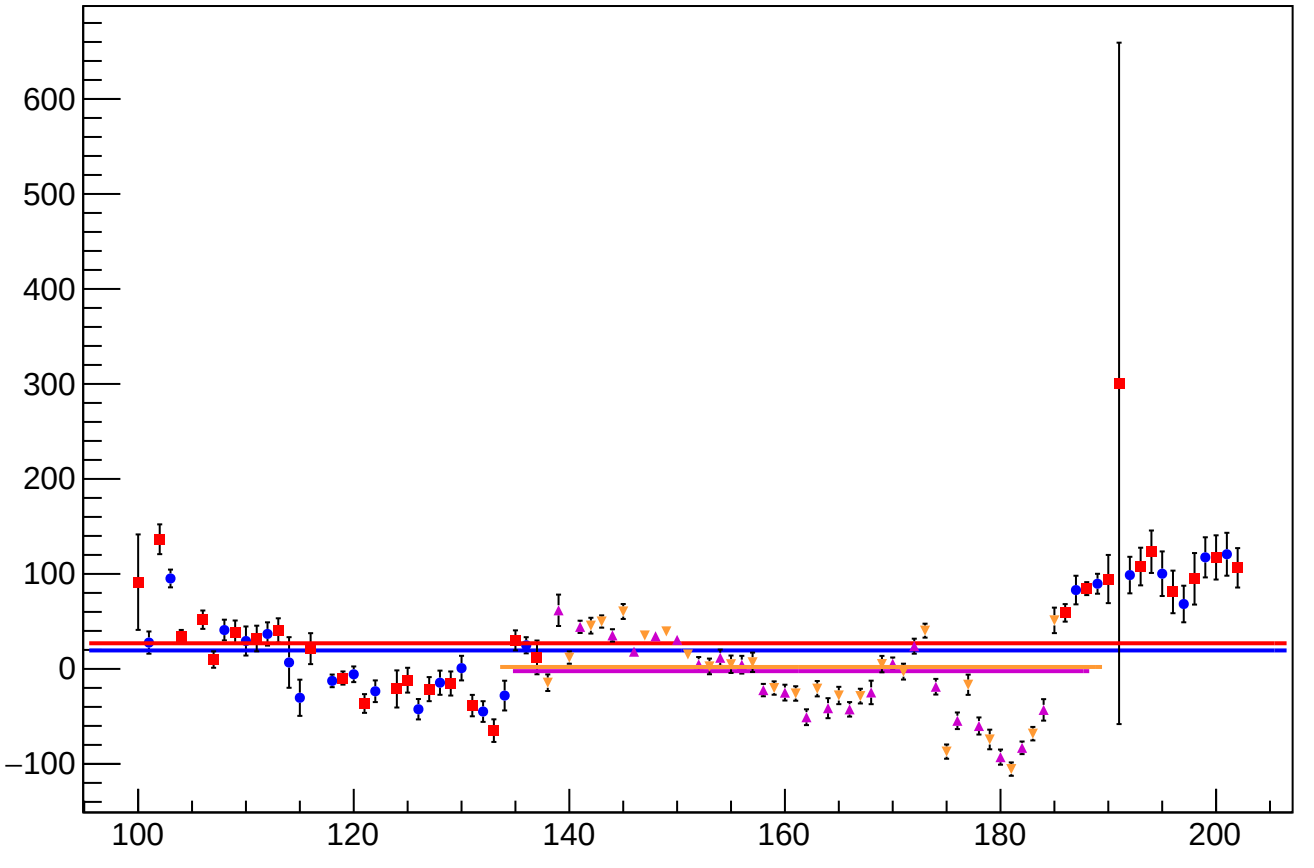
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -469.701+/-1.568 χ^2/NDF: 8906.4/51

In: -432.390+/-1.537 χ^2/NDF:5234.8/45

Out: -439.712+/-1.423 χ^2/NDF:9530.1/53

All: -436.333+/-1.044 χ^2/NDF: 14777.2/99



Right In: 19.440+/-2.506 χ^2/NDF: 352.6/22

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 26.984+/-2.237 χ^2/NDF: 436.7/28

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

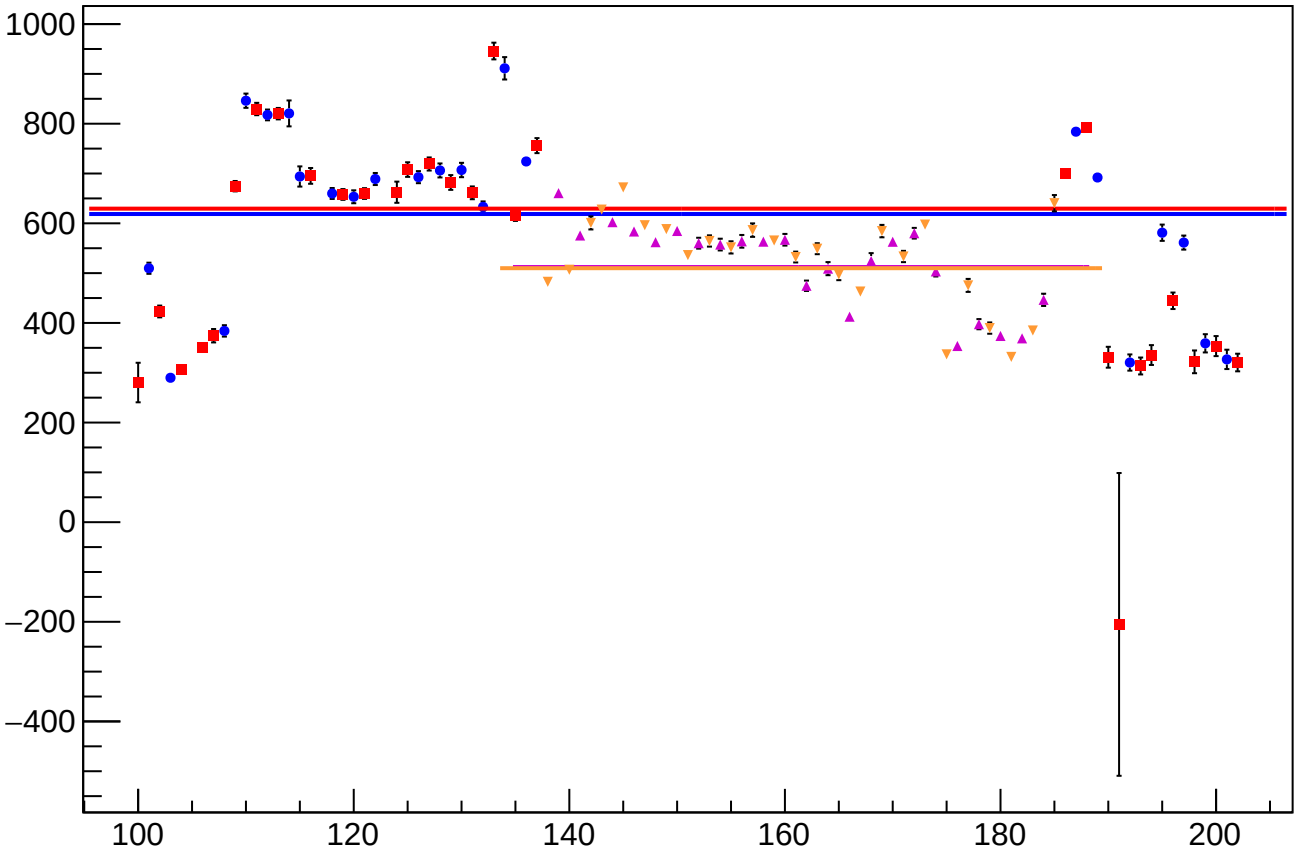
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 23.638+/-1.669 χ^2/NDF: 794.3/51

In: 3.288+/-1.276 χ^2/NDF:1142.1/45

Out: 9.245+/-1.202 χ^2/NDF:1435.9/53

All: 6.443+/-0.875 χ^2/NDF: 2589.5/99



Right In: 618.665+/-2.415 χ^2/NDF: 5242.9/22

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 629.469+/-2.029 χ^2/NDF: 8567.2/28

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

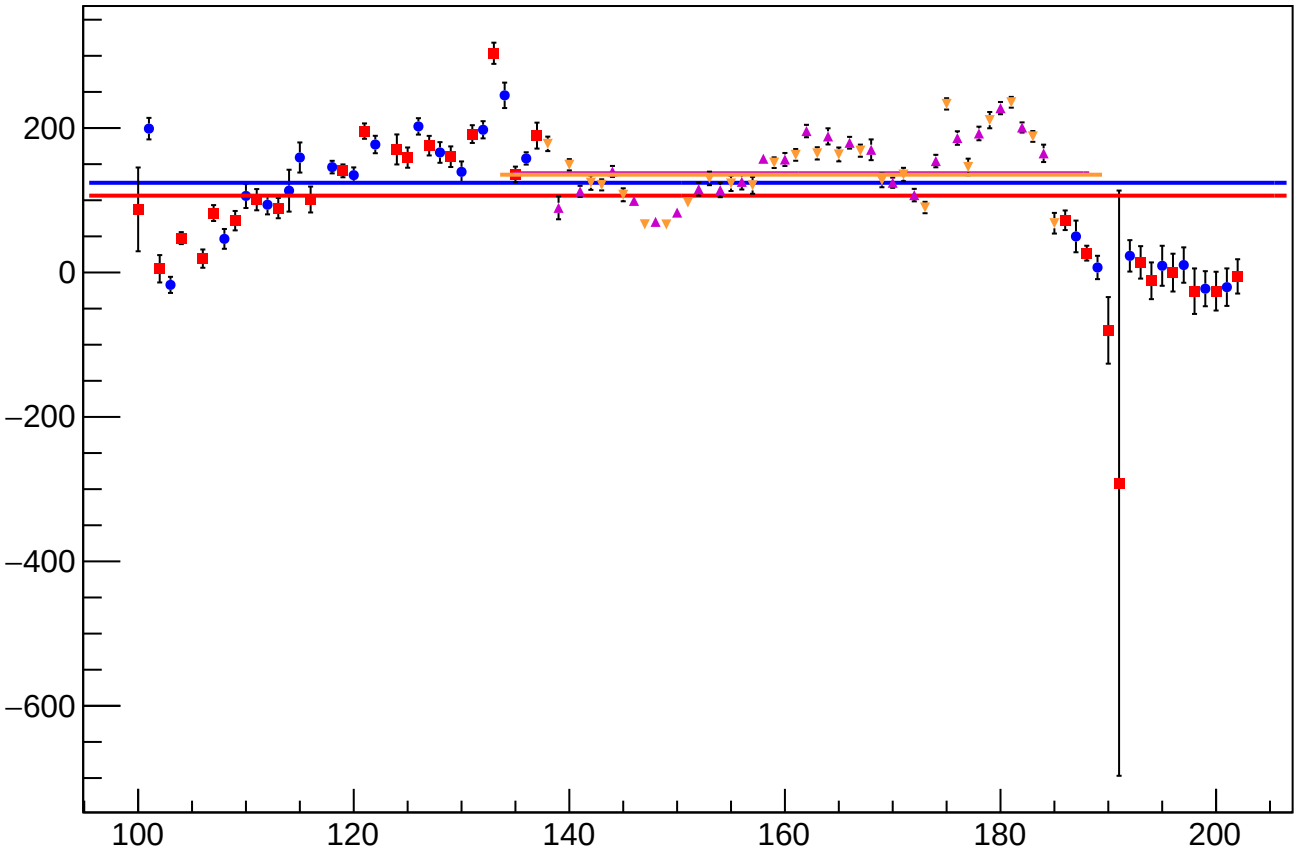
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 624.998+/-1.553 χ^2/NDF: 13821.8/51

In: 555.144+/-1.533 χ^2/NDF:8489.6/45

Out: 566.879+/-1.401 χ^2/NDF:13047.6/53

All: 561.540+/-1.034 χ^2/NDF: 21569.1/99



Right In: 124.194+/-2.951 χ^2/NDF: 603.4/22

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 106.387+/-2.699 χ^2/NDF: 748.9/28

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

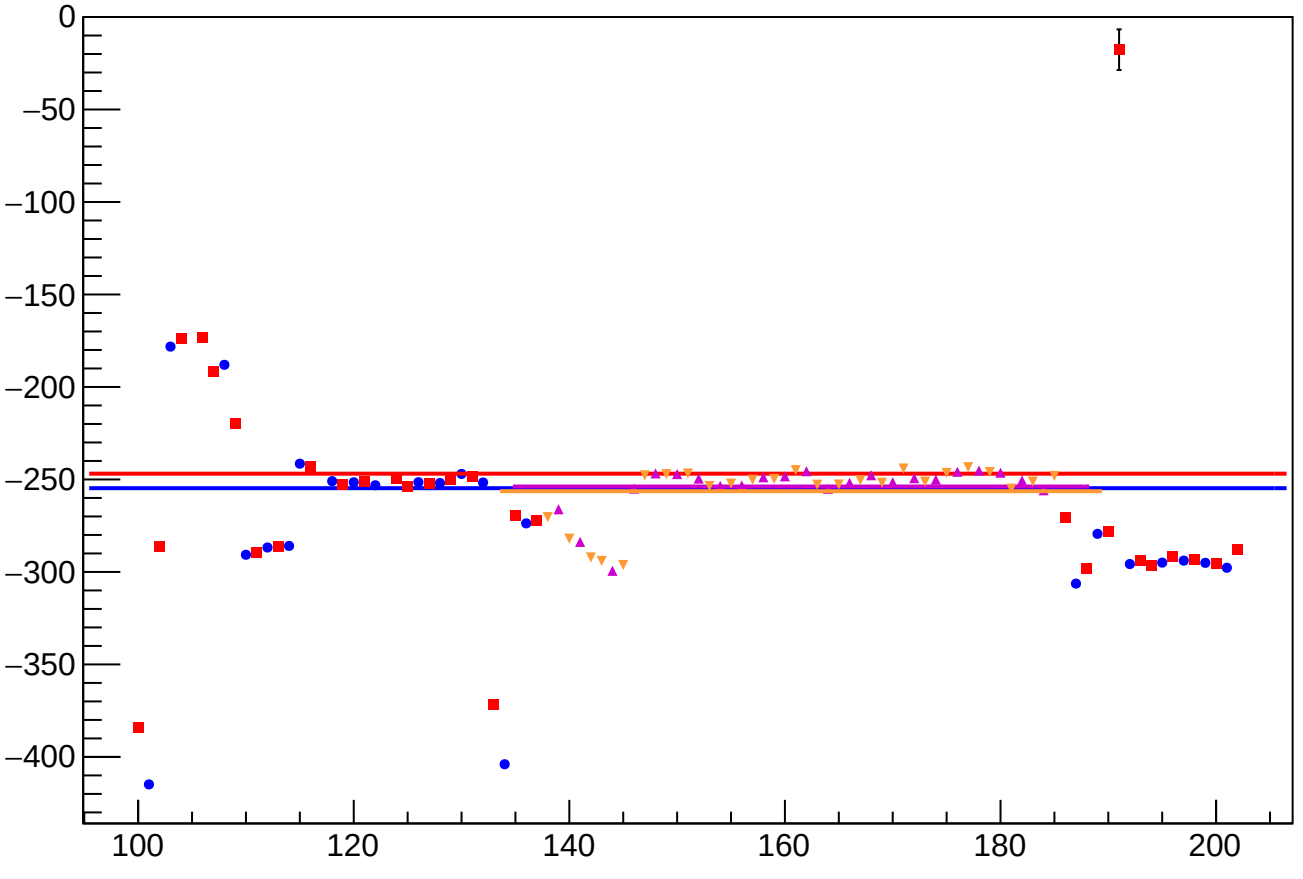
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 114.501+/-1.992 χ^2/NDF: 1372.2/51

In: 134.083+/-1.474 χ^2/NDF:1324.4/45

Out: 127.522+/-1.407 χ^2/NDF:1756.2/53

All: 130.649+/-1.018 χ^2/NDF: 3091.0/99



Right In: -254.717+/-0.143 χ^2/NDF: 195800.4/22

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -246.875+/-0.134 χ^2/NDF: 145664.1/28

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

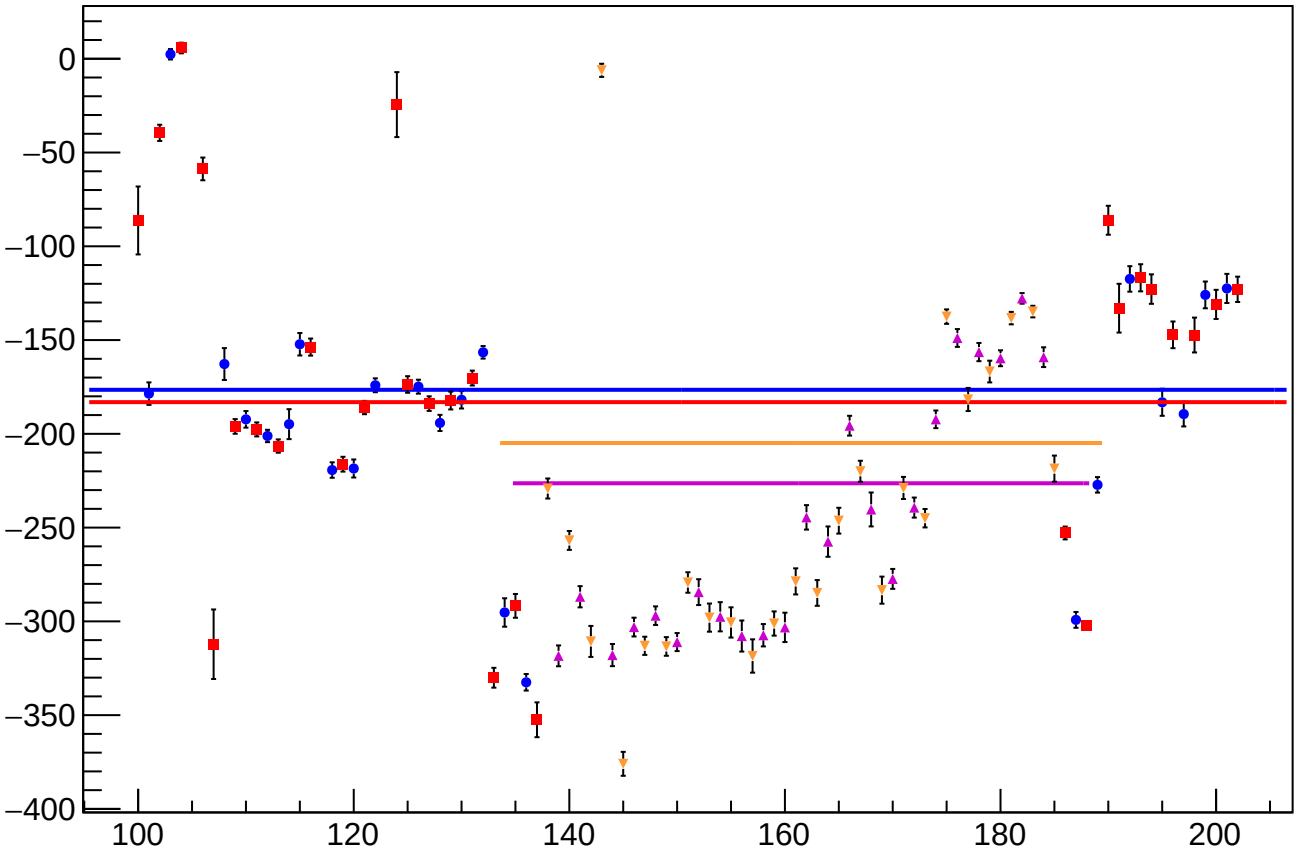
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -250.550+/-0.098 χ^2/NDF: 343062.4/51

In: -254.023+/-0.068 χ^2/NDF:219907.6/45

Out: -254.001+/-0.067 χ^2/NDF:188918.7/53

All: -254.012+/-0.048 χ^2/NDF: 408826.3/99



Right In: -176.520+/-0.963 χ^2/NDF: 7140.0/22

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -183.102+/-0.868 χ^2/NDF: 11355.9/28

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

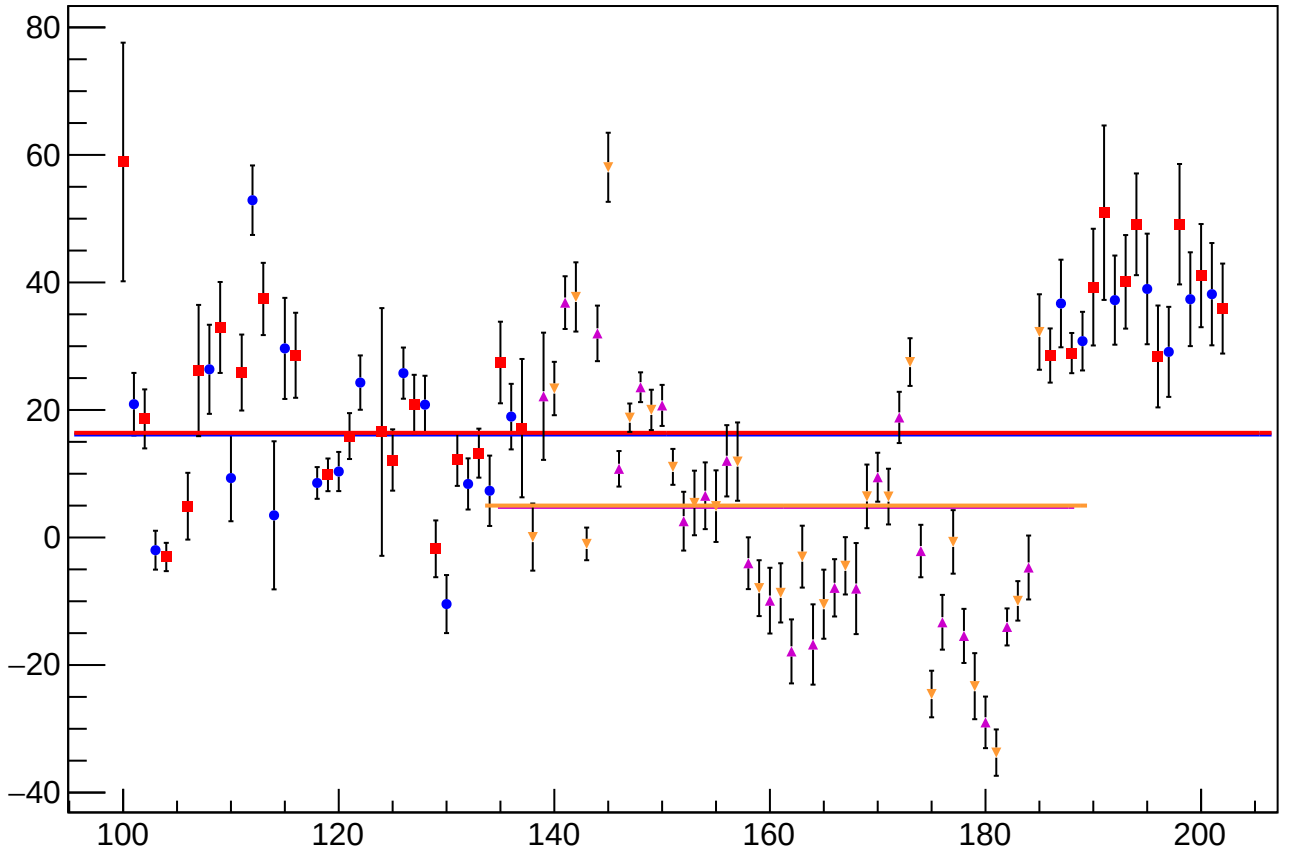
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -180.152+/-0.645 χ^2/NDF: 18521.8/51

In: -198.031+/-0.726 χ^2/NDF:12515.8/45

Out: -191.924+/-0.669 χ^2/NDF:19437.5/53

All: -194.730+/-0.492 χ^2/NDF: 31991.6/99



Right In: 16.152+/-0.990 χ^2/NDF: 207.5/22

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 16.414+/-0.912 χ^2/NDF: 237.8/28

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

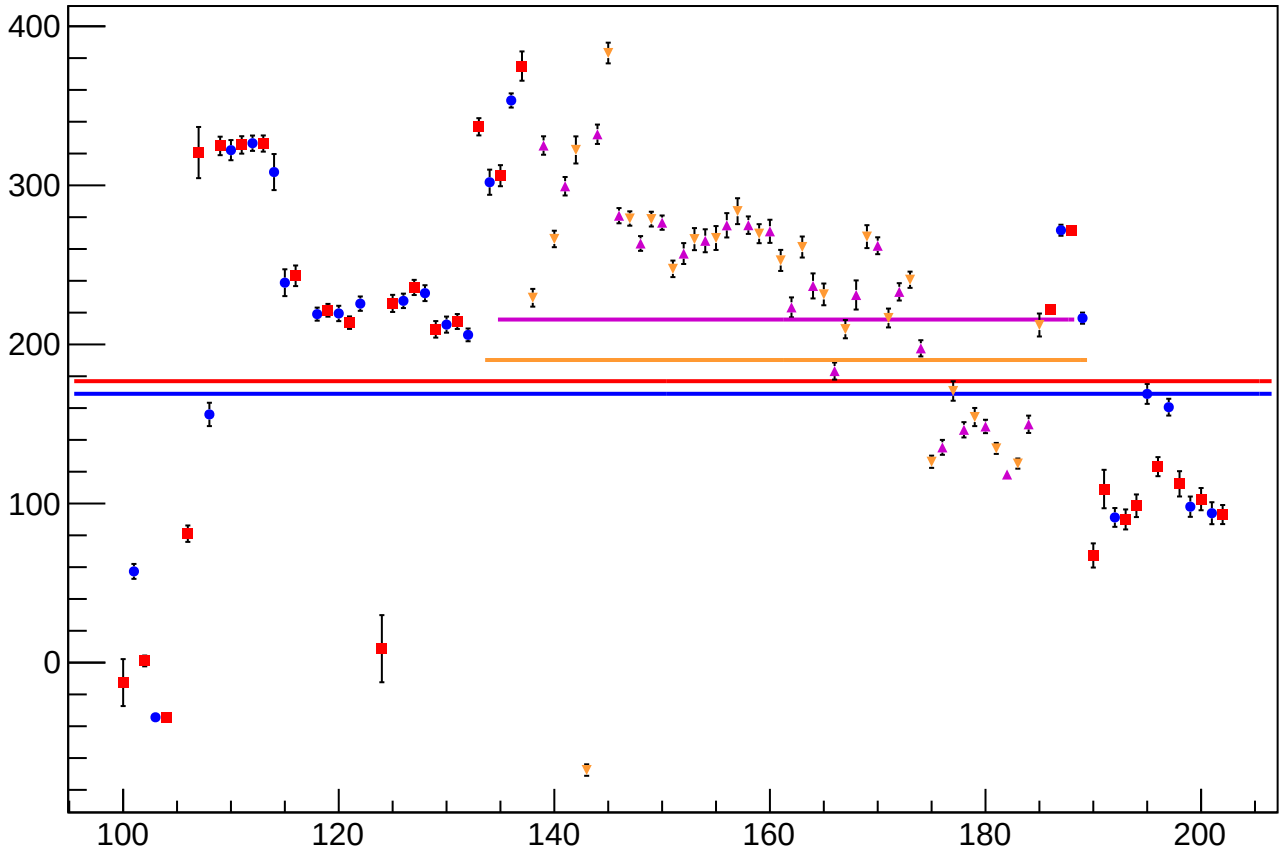
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 16.294+/-0.671 χ^2/NDF: 445.3/51

In: 9.591+/-0.643 χ^2/NDF:709.7/45

Out: 9.920+/-0.599 χ^2/NDF:875.3/53

All: 9.767+/-0.438 χ^2/NDF: 1585.2/99



Right In: 168.976+/-0.966 χ^2/NDF: 15487.8/22

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 176.910+/-0.842 χ^2/NDF: 20824.7/28

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

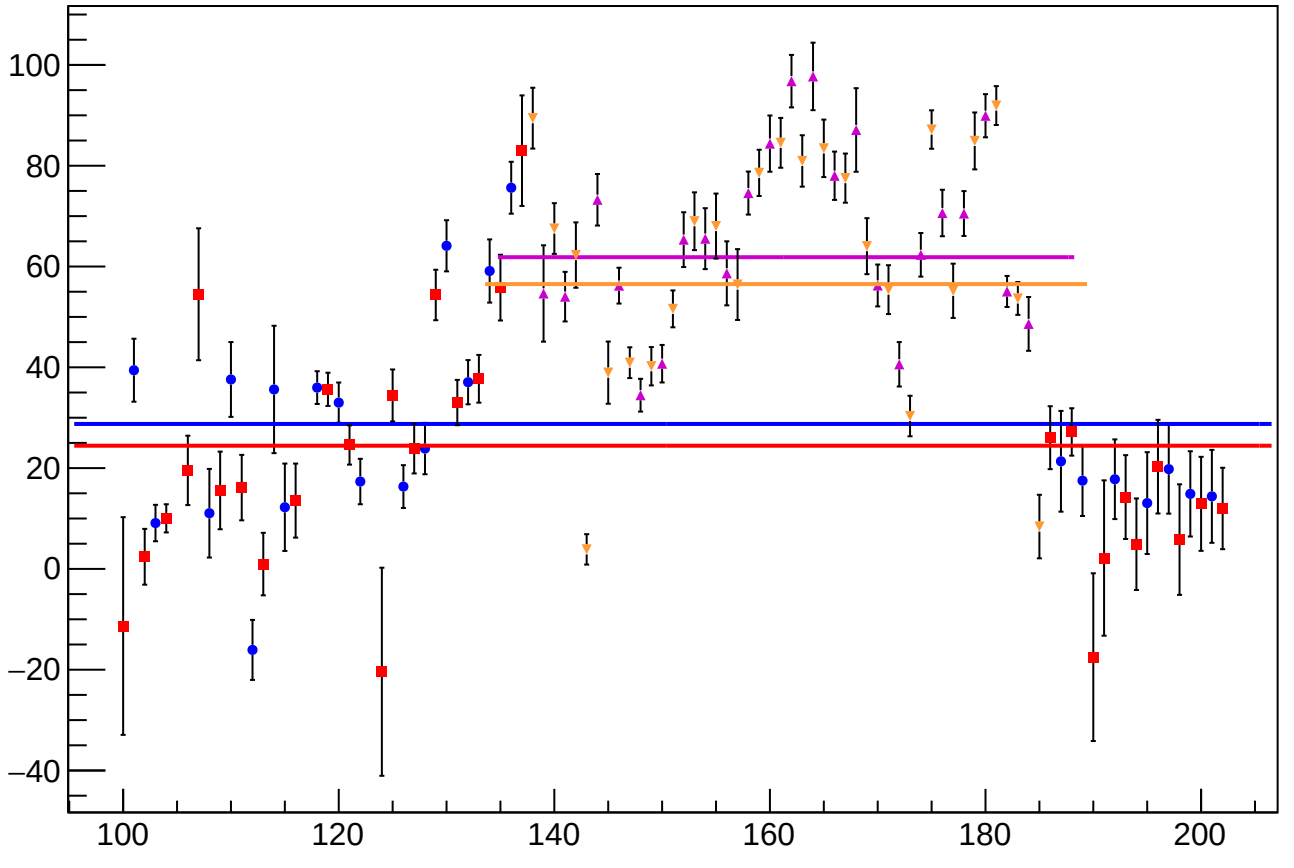
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 173.487+/-0.635 χ^2/NDF: 36350.8/51

In: 189.335+/-0.725 χ^2/NDF:20392.0/45

Out: 182.116+/-0.657 χ^2/NDF:30306.4/53

All: 185.367+/-0.487 χ^2/NDF: 50752.9/99



Right In: 28.763+/-1.170 χ^2/NDF: 292.5/22

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.444+/-1.097 χ^2/NDF: 211.2/28

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

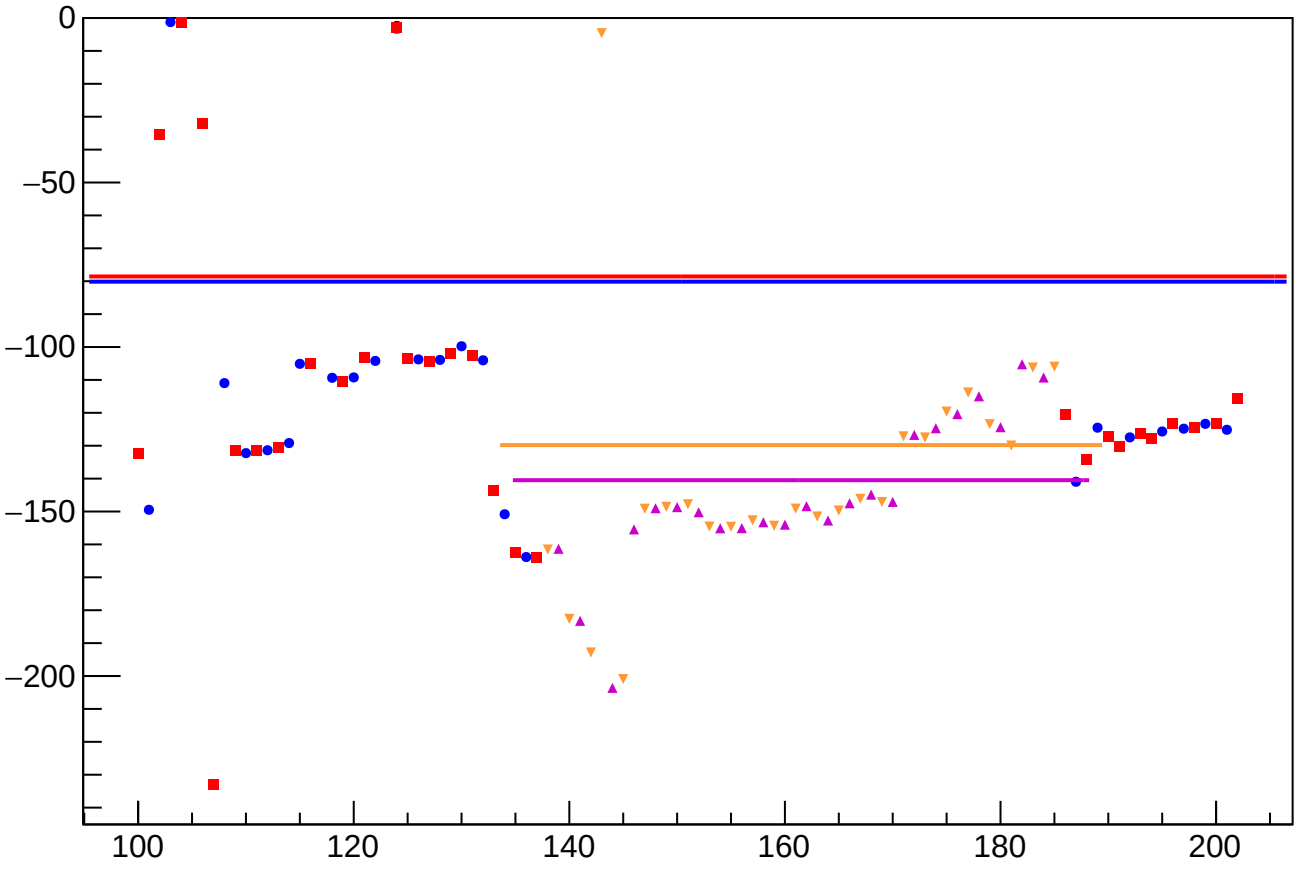
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 26.464+/-0.800 χ^2/NDF: 510.9/51

In: 48.518+/-0.743 χ^2/NDF:1090.4/45

Out: 43.453+/-0.700 χ^2/NDF:1517.0/53

All: 45.835+/-0.509 χ^2/NDF: 2632.0/99



Right In: -80.133+/-0.055 χ^2/NDF: 1276580.8/22

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -78.554+/-0.052 χ^2/NDF: 1239886.3/28

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

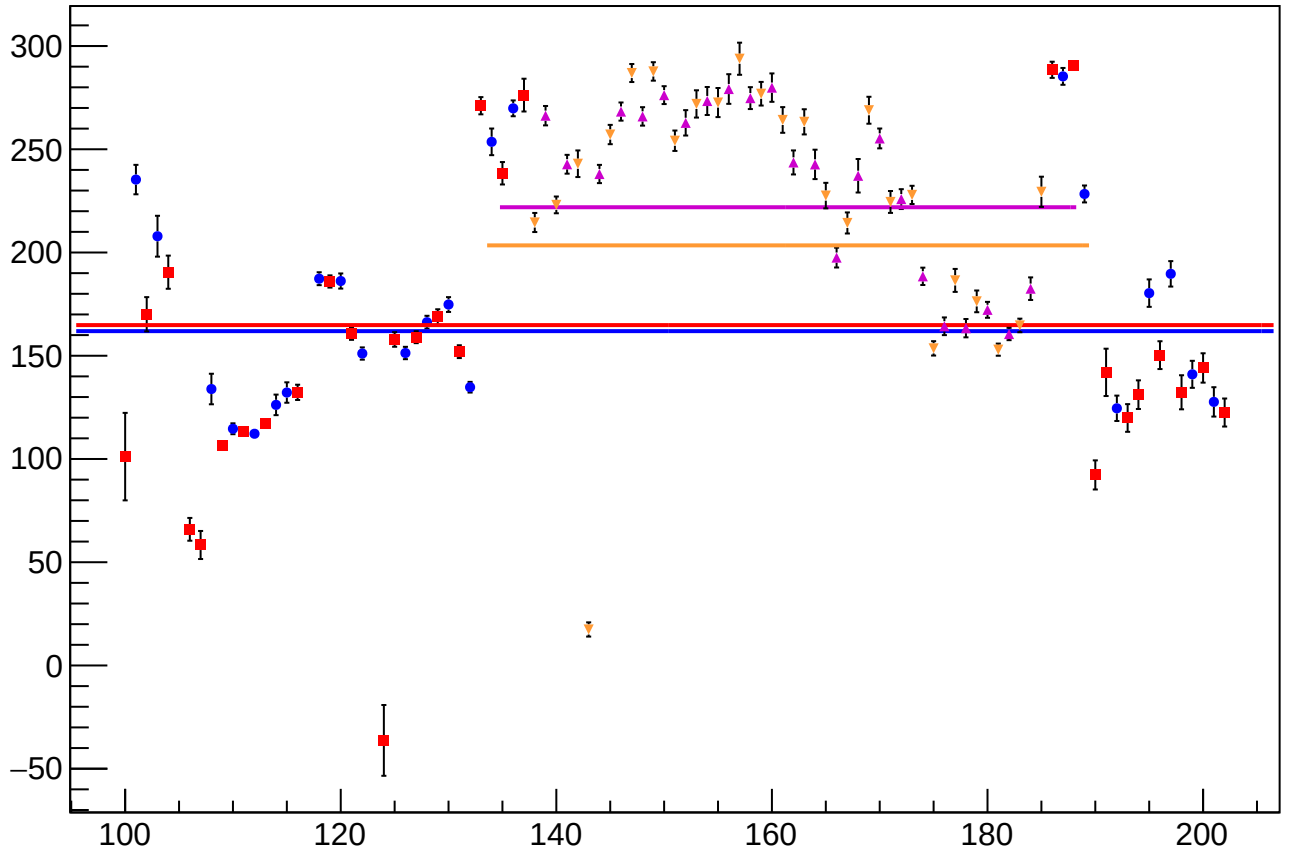
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -79.293+/-0.038 χ^2/NDF: 2516903.2/51

In: -117.229+/-0.034 χ^2/NDF:2266931.6/45

Out: -109.341+/-0.033 χ^2/NDF:2855166.8/53

All: -113.101+/-0.024 χ^2/NDF: 5149874.6/99



Right In: 161.919+/-0.800 χ^2/NDF: 3637.9/22

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 164.841+/-0.728 χ^2/NDF: 8091.8/28

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

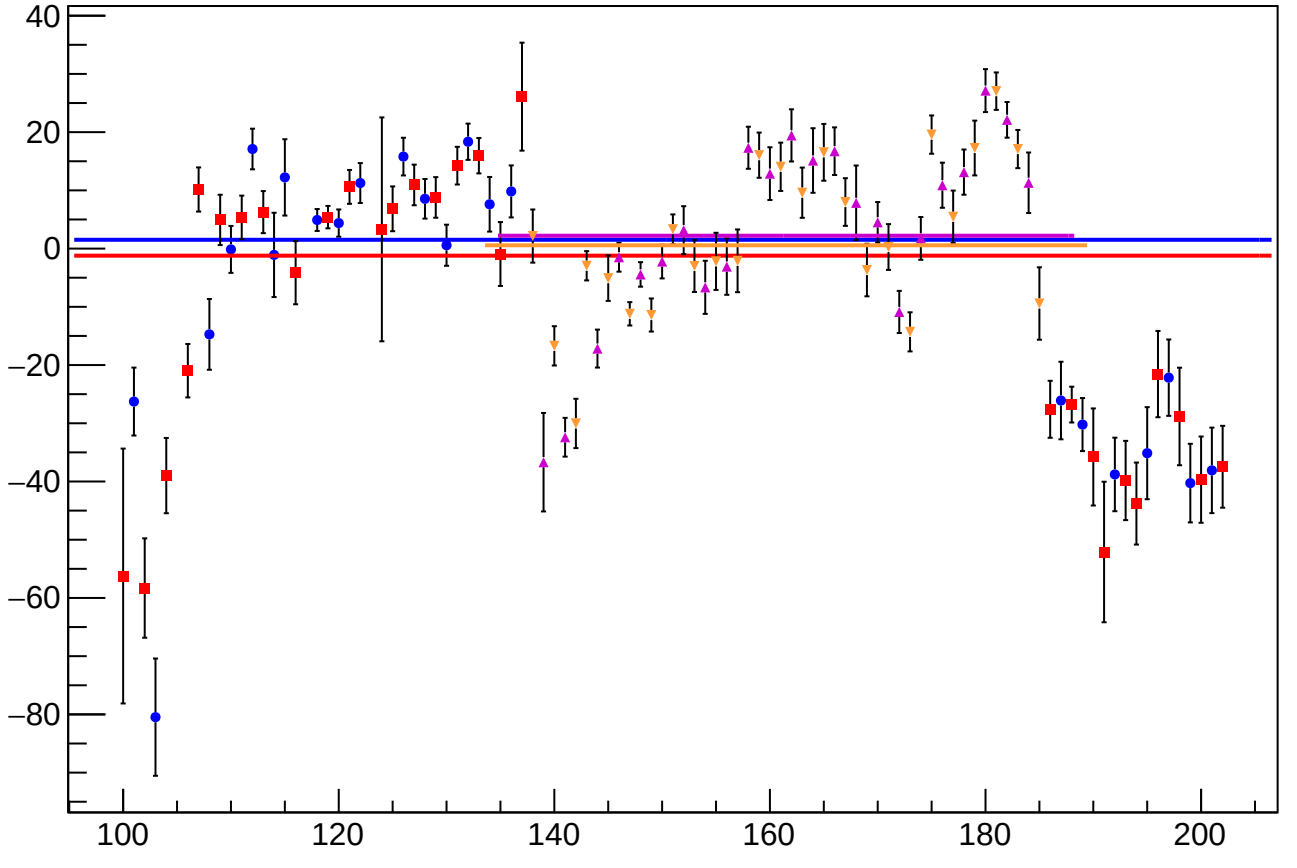
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 163.518+/-0.538 χ^2/NDF: 11737.0/51

In: 185.257+/-0.625 χ^2/NDF:7812.0/45

Out: 179.059+/-0.578 χ^2/NDF:14620.5/53

All: 181.915+/-0.425 χ^2/NDF: 22485.4/99



Right In: 1.515+/-0.834 χ^2/NDF: 398.5/22

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -1.214+/-0.804 χ^2/NDF: 513.0/28

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

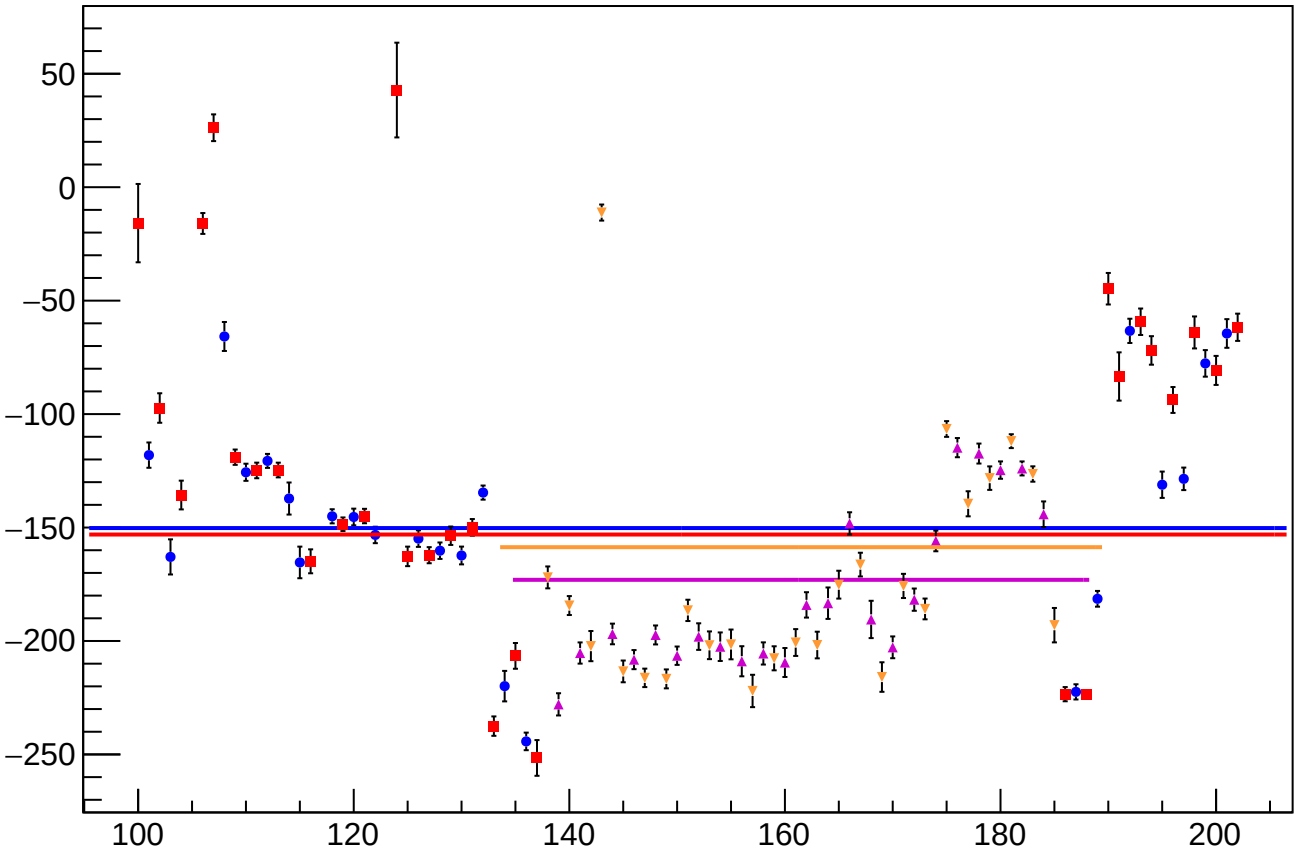
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 0.101+/-0.579 χ^2/NDF: 917.1/51

In: 1.894+/-0.562 χ^2/NDF:757.1/45

Out: -0.219+/-0.535 χ^2/NDF:861.2/53

All: 0.785+/-0.387 χ^2/NDF: 1625.6/99



Right In: -150.234+/-0.883 χ^2/NDF: 2276.6/22

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -153.080+/-0.784 χ^2/NDF: 6403.0/28

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

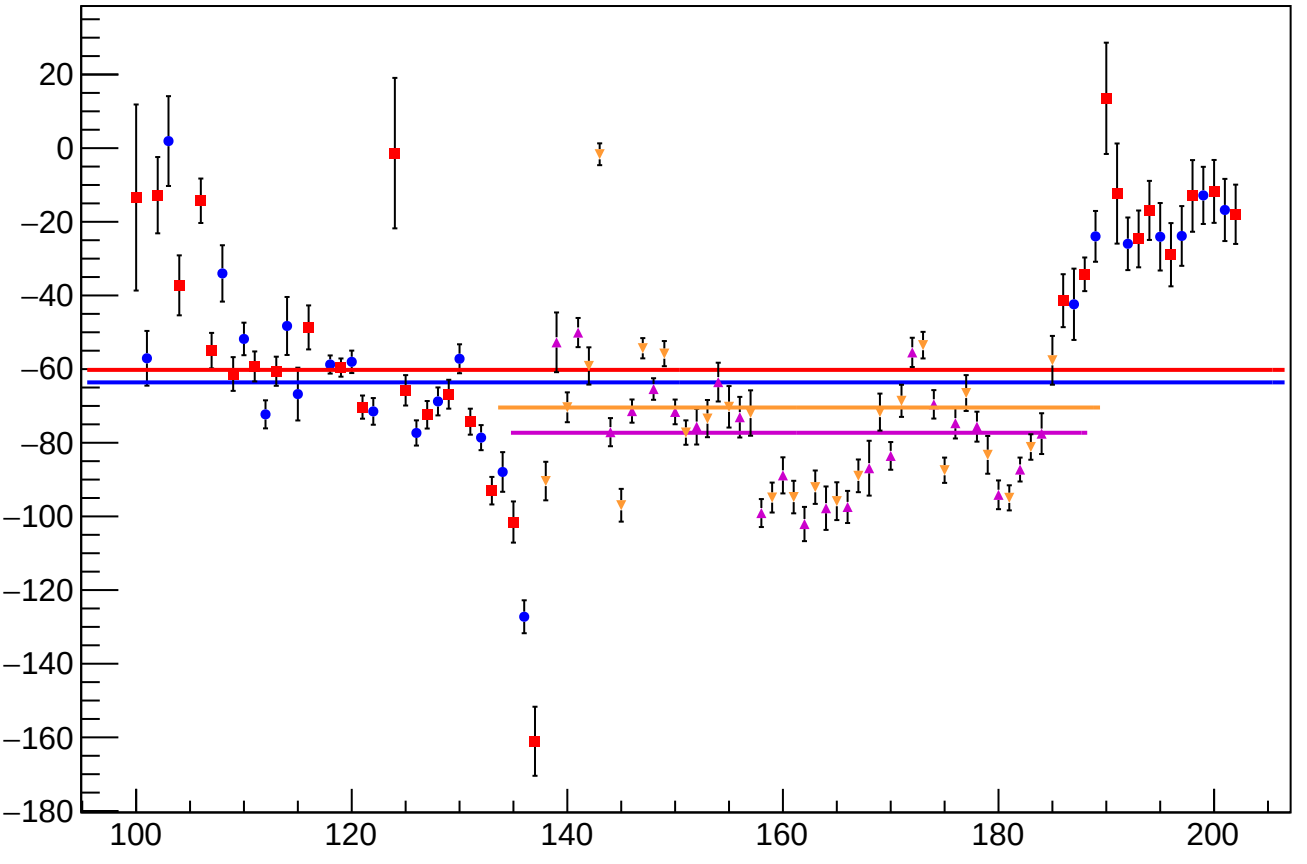
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -151.825+/-0.586 χ^2/NDF: 8685.4/51

In: -160.278+/-0.661 χ^2/NDF:3970.3/45

Out: -155.340+/-0.605 χ^2/NDF:9915.3/53

All: -157.592+/-0.446 χ^2/NDF: 13915.9/99



Right In: -63.604+/-0.978 χ^2/NDF: 517.6/22

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -60.210+/-0.946 χ^2/NDF: 614.7/28

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

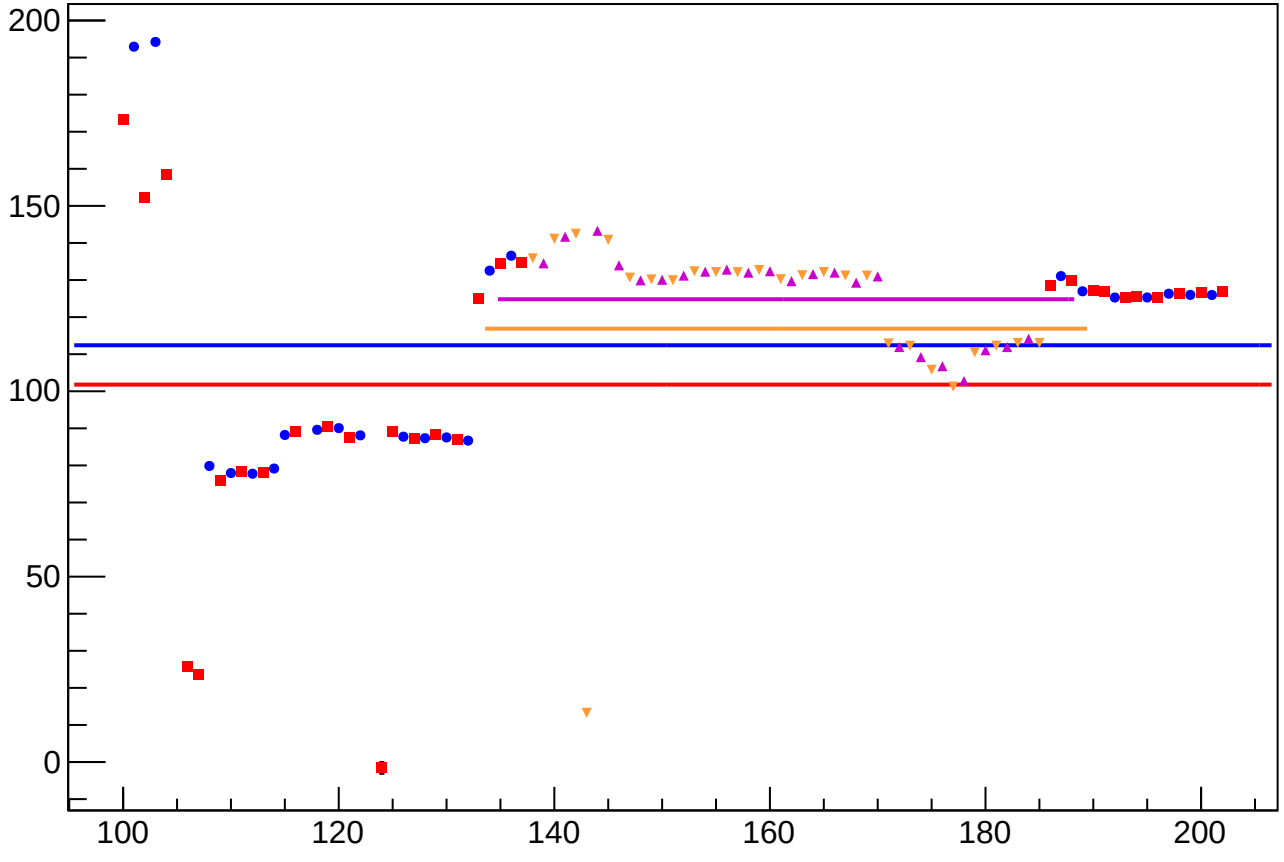
Right: -61.852+/-0.680 χ^2/NDF: 1138.5/51

In: -71.275+/-0.648 χ^2/NDF:881.7/45

Out: -66.038+/-0.620 χ^2/NDF:1582.8/53

All: -68.541+/-0.448 χ^2/NDF: 2498.6/99

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 112.410+/-0.058 χ^2/NDF: 267331.2/22

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 101.798+/-0.052 χ^2/NDF: 502678.4/28

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

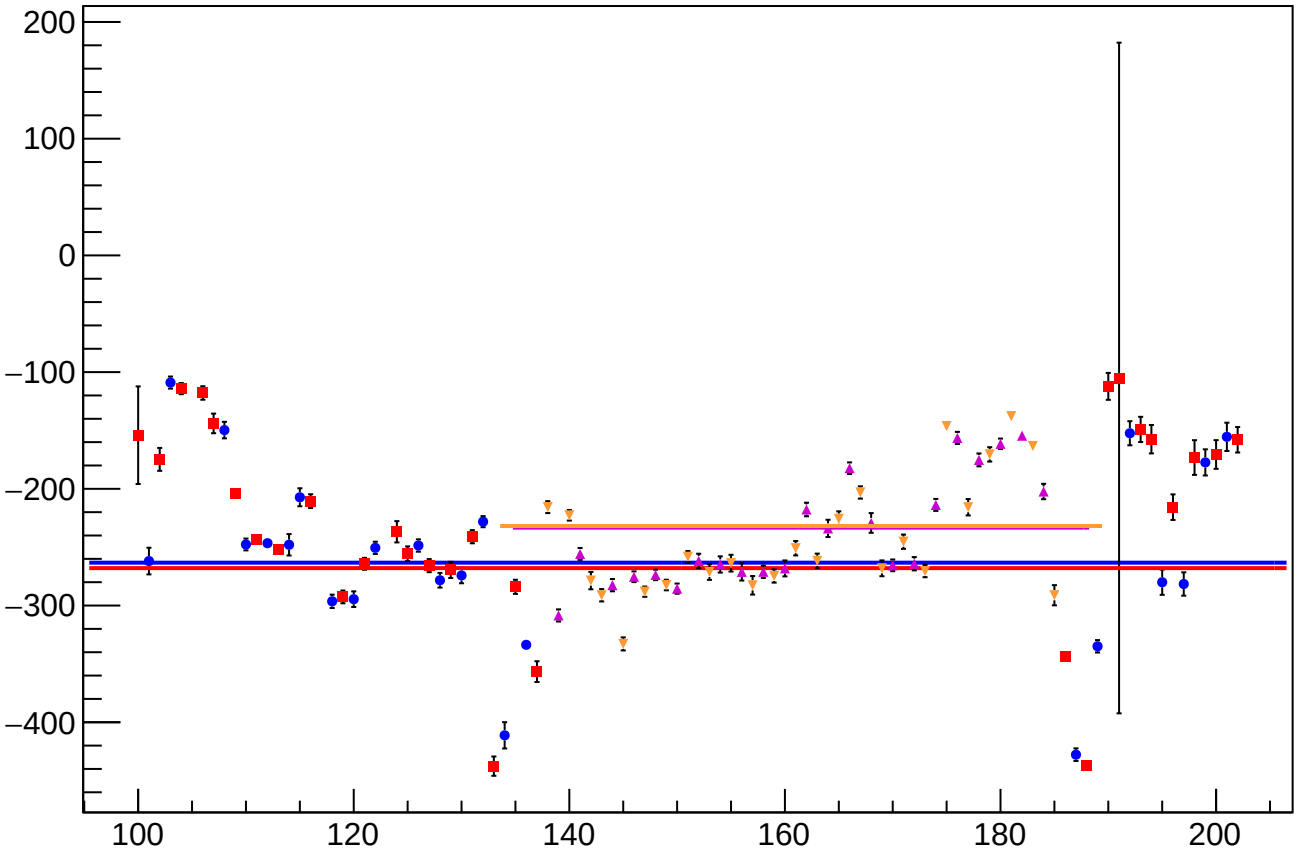
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 106.575+/-0.039 χ^2/NDF: 788462.1/51

In: 120.904+/-0.033 χ^2/NDF:386851.0/45

Out: 111.667+/-0.031 χ^2/NDF:1179970.9/53

All: 116.035+/-0.022 χ^2/NDF: 1609306.9/99



Right In: -263.269+/-1.296 χ^2/NDF: 3176.1/22

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -267.935+/-1.122 χ^2/NDF: 7418.2/28

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

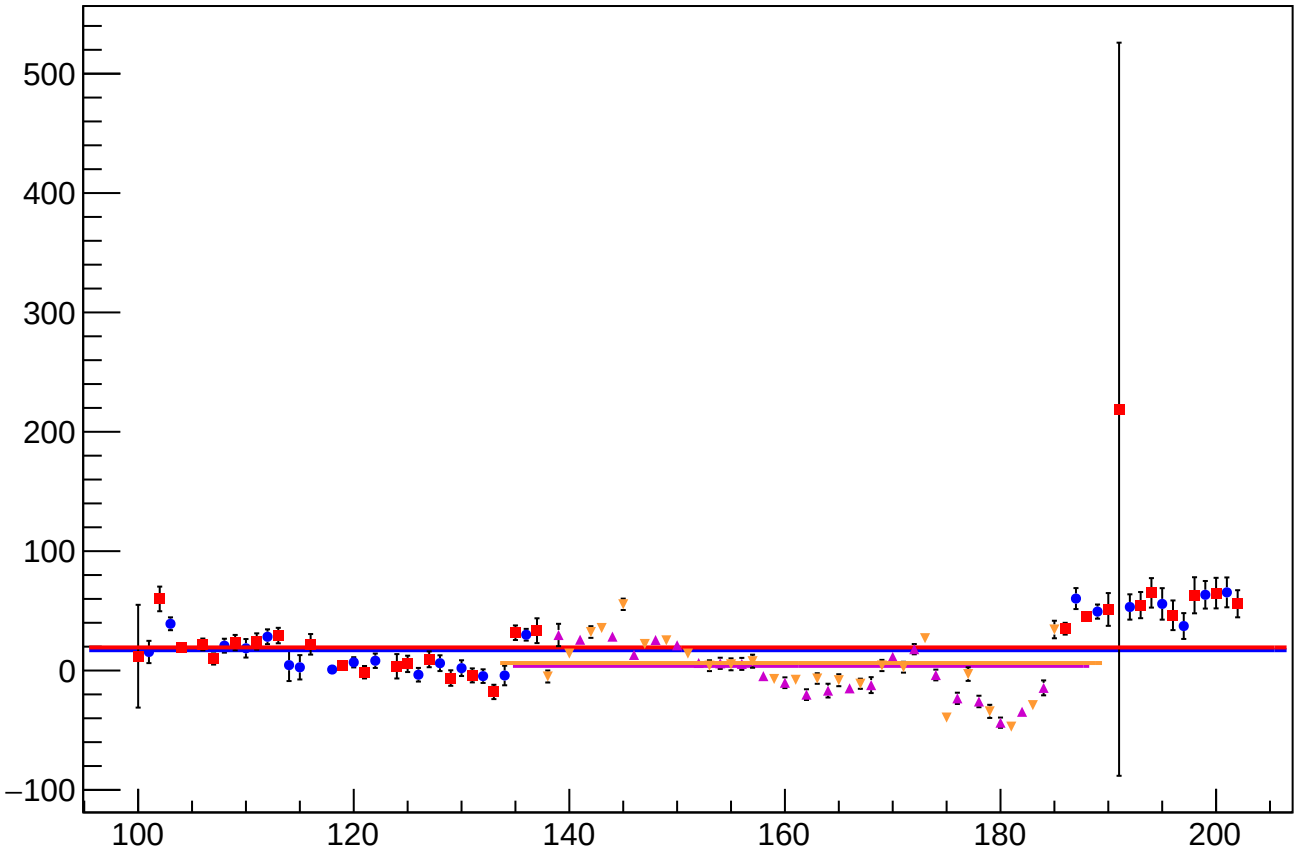
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -265.935+/-0.848 χ^2/NDF: 10601.7/51

In: -245.930+/-0.842 χ^2/NDF:5553.0/45

Out: -249.206+/-0.778 χ^2/NDF:10631.7/53

All: -247.696+/-0.571 χ^2/NDF: 16192.9/99



Right In: 17.031+/-1.360 χ^2/NDF: 211.0/22

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 19.357+/-1.210 χ^2/NDF: 260.9/28

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

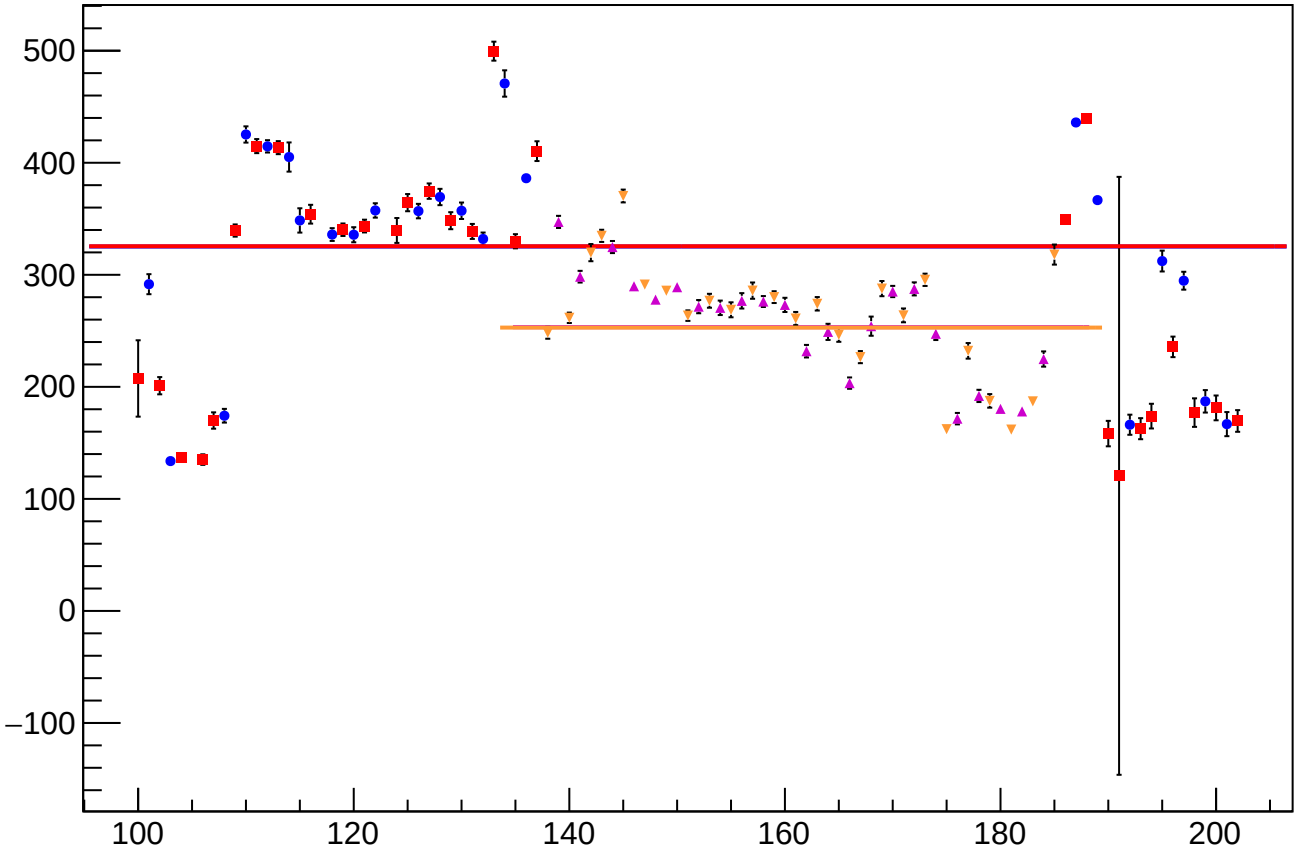
Right: 18.329+/-0.904 χ^2/NDF: 473.6/51

In: 7.394+/-0.701 χ^2/NDF:929.7/45

Out: 10.188+/-0.661 χ^2/NDF:1214.2/53

All: 8.873+/-0.481 χ^2/NDF: 2152.4/99

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 325.226+/-1.340 χ^2/NDF: 5252.3/22

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 325.489+/-1.117 χ^2/NDF: 9745.6/28

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

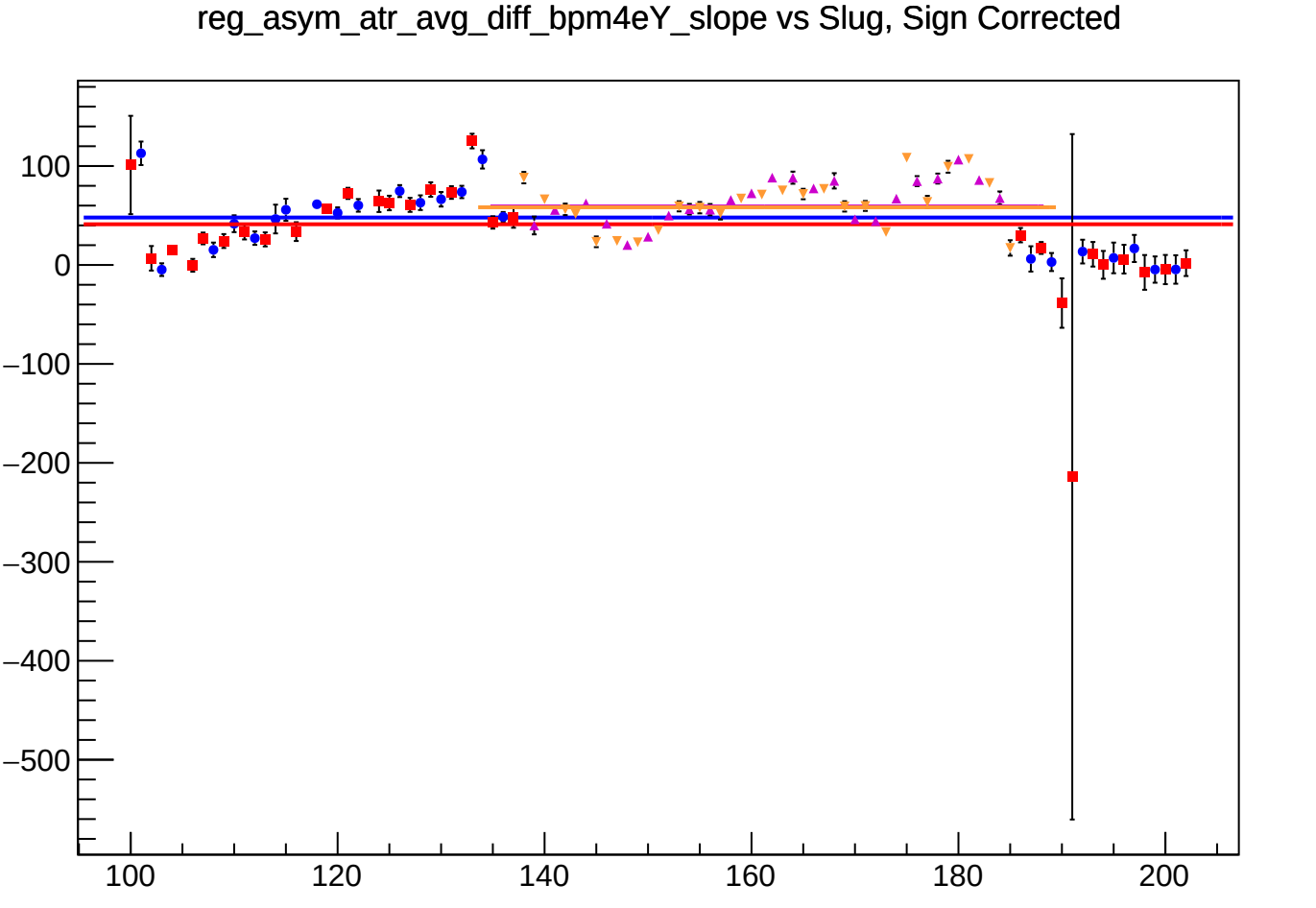
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 325.381+/-0.858 χ^2/NDF: 14997.9/51

In: 282.024+/-0.847 χ^2/NDF:9044.4/45

Out: 287.657+/-0.773 χ^2/NDF:14527.7/53

All: 285.099+/-0.571 χ^2/NDF: 23596.2/99



Right In: 47.940+/-1.598 χ^2/NDF: 312.3/22

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 41.145+/-1.455 χ^2/NDF: 413.4/28

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

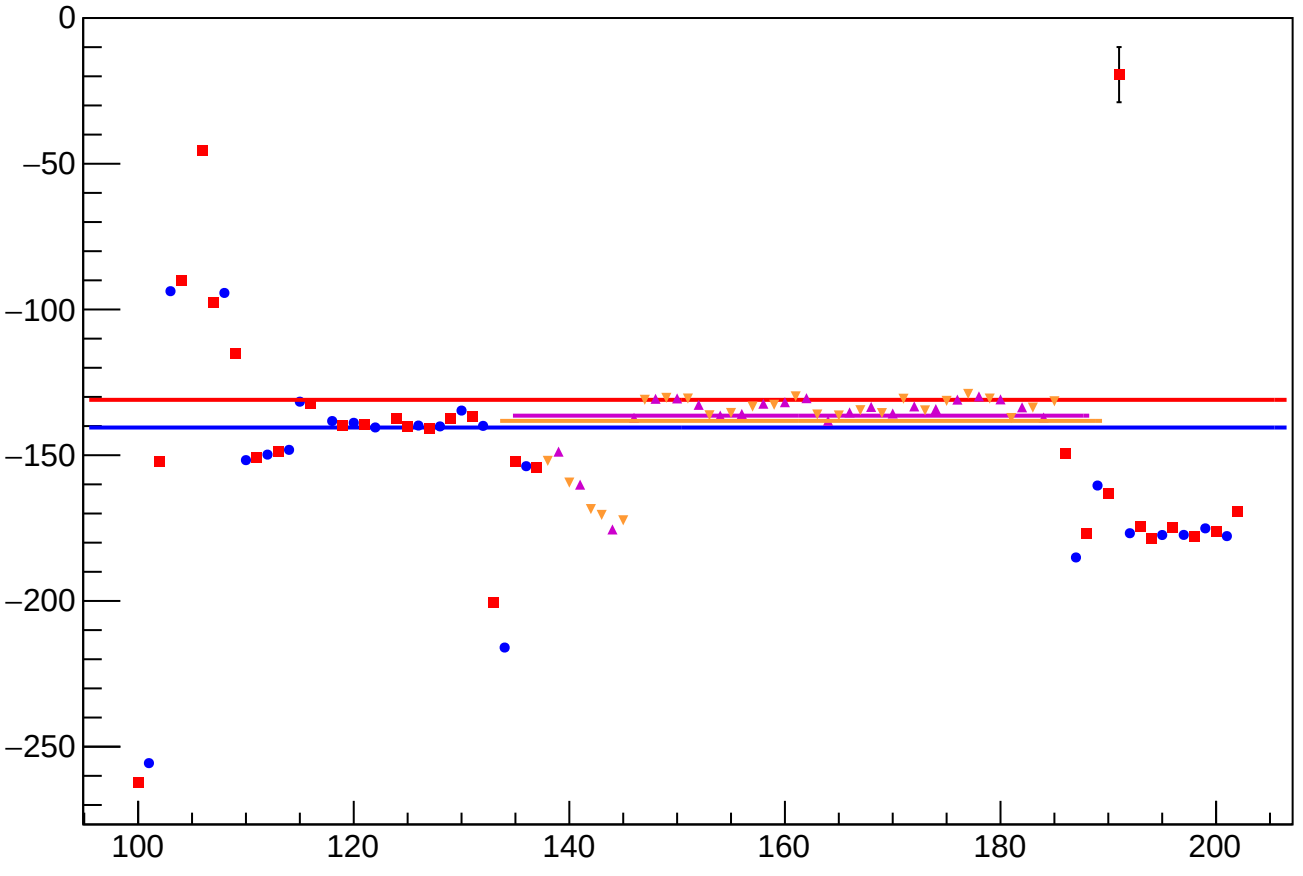
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 44.225+/-1.076 χ^2/NDF: 735.6/51

In: 56.277+/-0.809 χ^2/NDF:981.3/45

Out: 53.471+/-0.772 χ^2/NDF:1363.5/53

All: 54.809+/-0.559 χ^2/NDF: 2351.1/99



Right In: -140.498+/-0.080 χ^2/NDF: 230699.5/22

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.000+/-0.073 χ^2/NDF: 326445.6/28

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

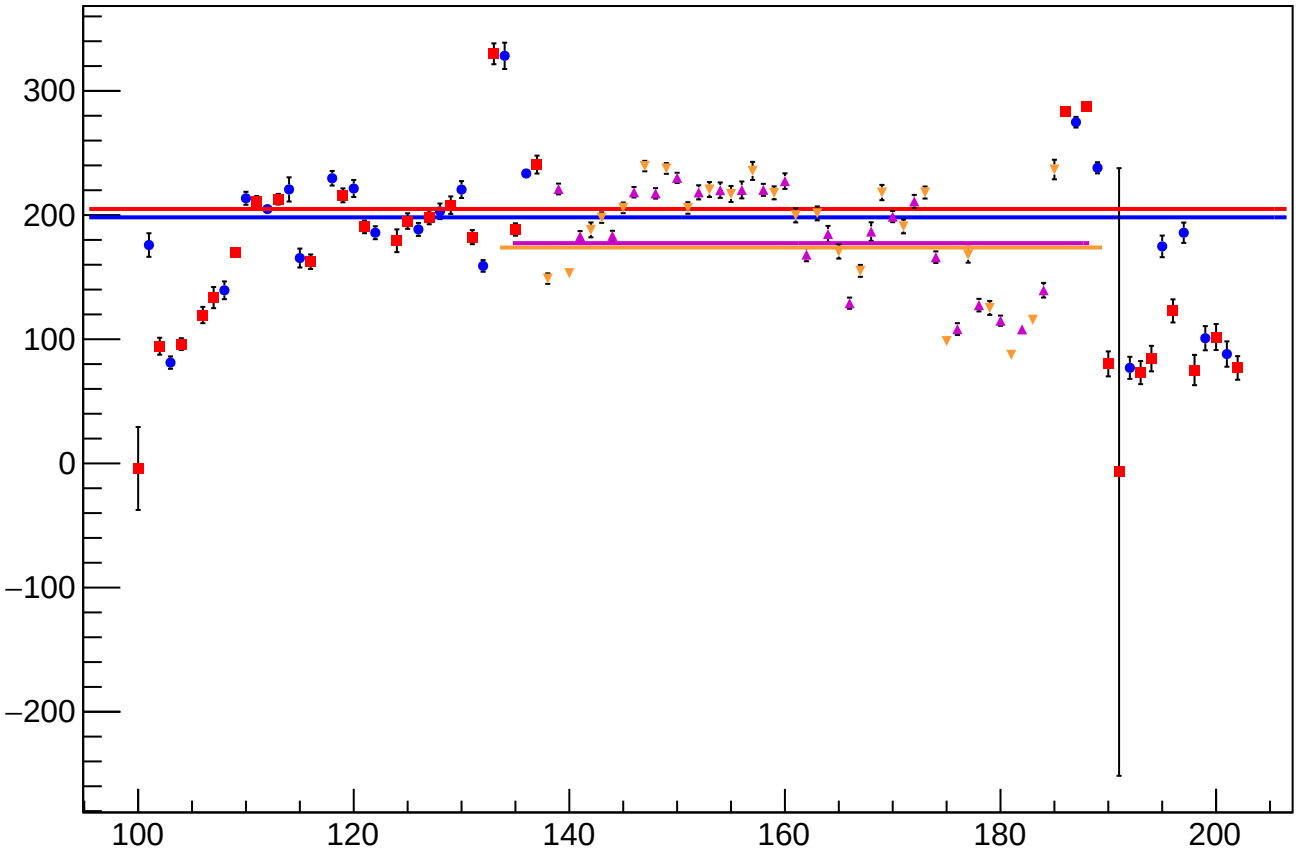
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -135.353+/-0.054 χ^2/NDF: 564803.6/51

In: -137.339+/-0.038 χ^2/NDF:282506.7/45

Out: -136.408+/-0.037 χ^2/NDF:415505.3/53

All: -136.861+/-0.026 χ^2/NDF: 698323.3/99



Right In: 198.178+/-1.221 χ^2/NDF: 1853.0/22

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.927+/-1.052 χ^2/NDF: 4193.3/28

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

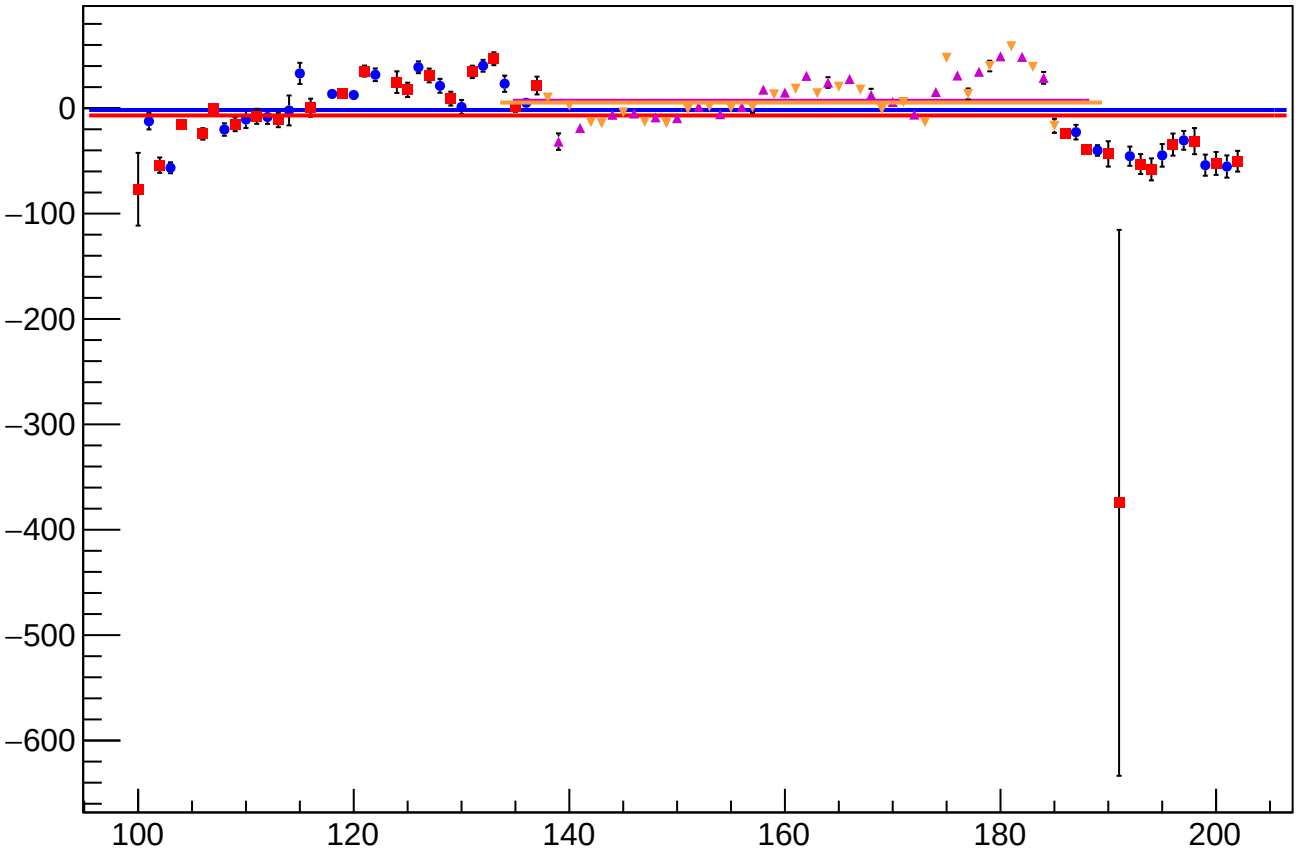
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 202.052+/-0.797 χ^2/NDF: 6063.8/51

In: 185.696+/-0.772 χ^2/NDF:3989.9/45

Out: 188.009+/-0.710 χ^2/NDF:7295.6/53

All: 186.948+/-0.522 χ^2/NDF: 11290.4/99



Right In: -1.692+/-1.299 χ^2/NDF: 499.2/22

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -6.879+/-1.153 χ^2/NDF: 588.9/28

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

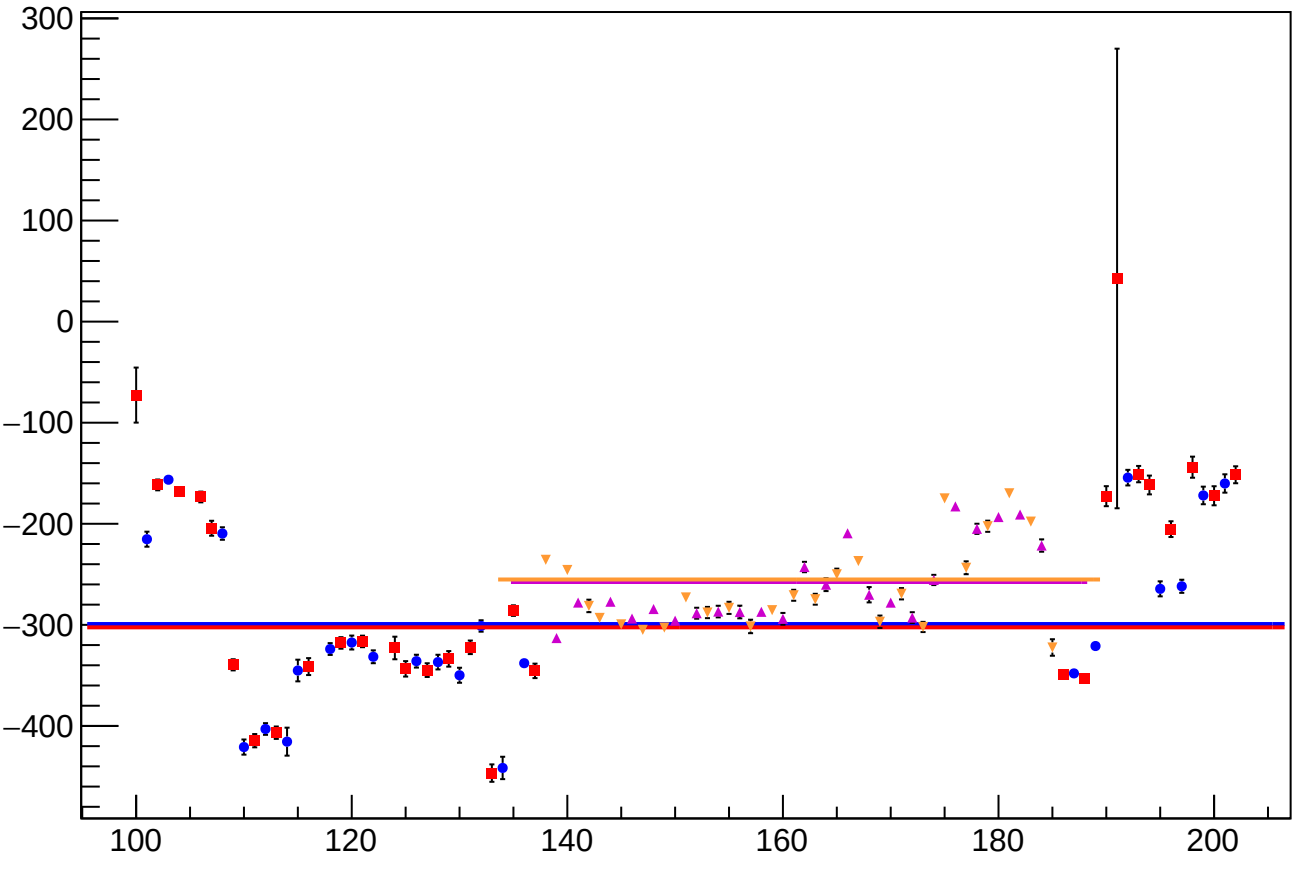
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -4.594+/-0.862 χ^2/NDF: 1097.0/51

In: 4.910+/-0.644 χ^2/NDF:1243.1/45

Out: 1.993+/-0.605 χ^2/NDF:1480.6/53

All: 3.360+/-0.441 χ^2/NDF: 2734.6/99



Right In: -299.182+/-1.227 χ^2/NDF: 3874.5/22

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -302.464+/-1.015 χ^2/NDF: 6548.5/28

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

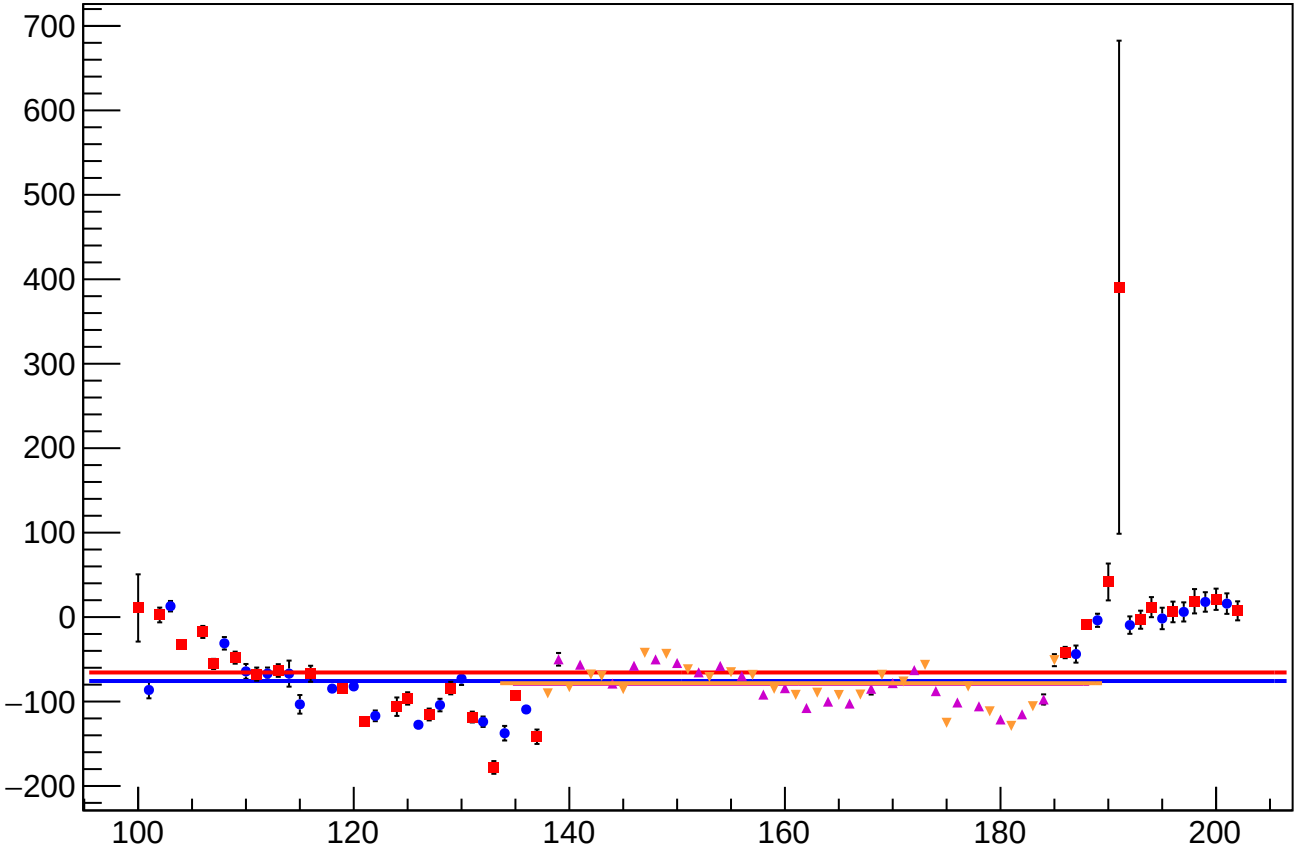
Right: -301.131+/-0.782 χ^2/NDF: 10427.3/51

In: -273.890+/-0.768 χ^2/NDF:6380.9/45

Out: -277.392+/-0.696 χ^2/NDF:10046.2/53

All: -275.813+/-0.516 χ^2/NDF: 16438.6/99

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -75.693+/-1.527 χ^2/NDF: 913.4/22

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -65.566+/-1.393 χ^2/NDF: 1186.0/28

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

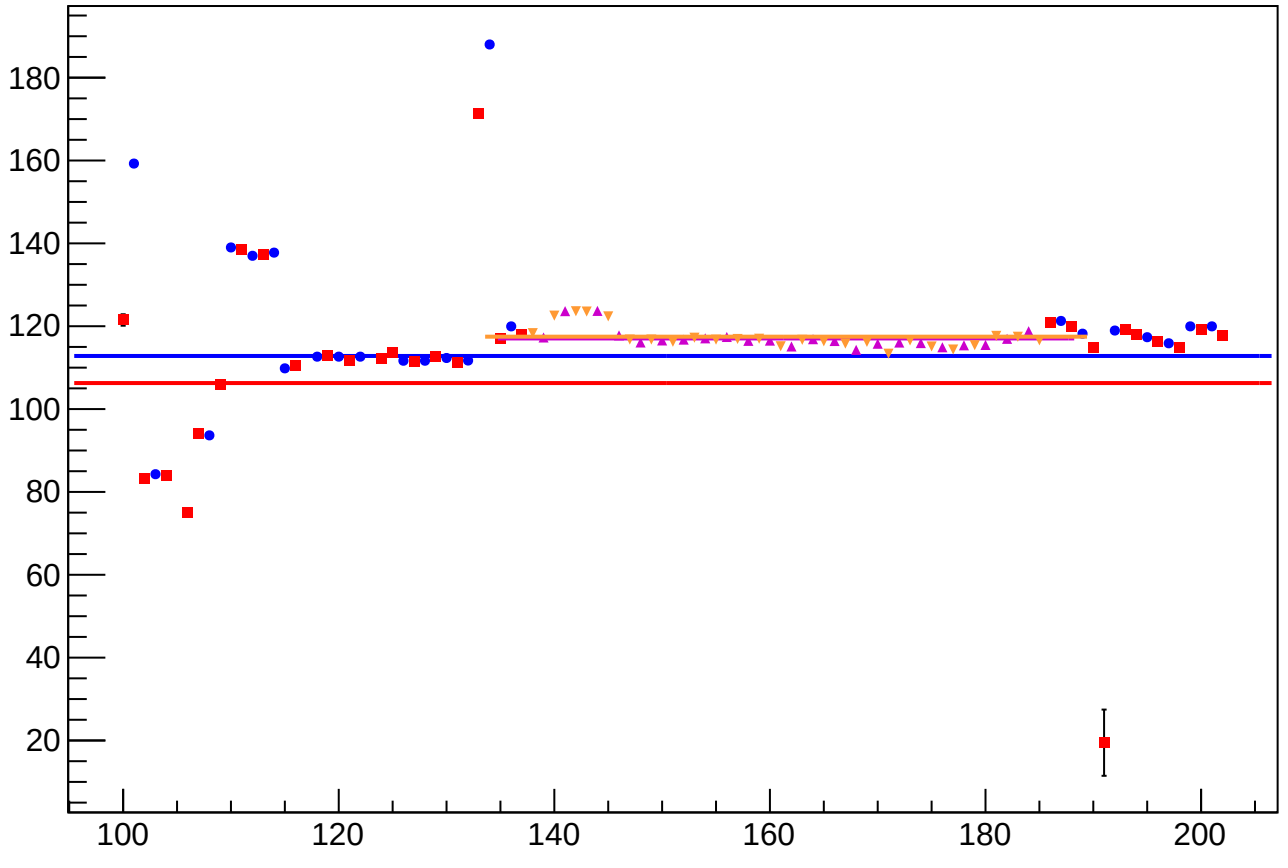
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -70.167+/-1.029 χ^2/NDF: 2123.4/51

In: -78.270+/-0.742 χ^2/NDF:1619.8/45

Out: -75.026+/-0.706 χ^2/NDF:2116.2/53

All: -76.567+/-0.511 χ^2/NDF: 3745.9/99



Right In: 112.820+/-0.073 χ^2/NDF: 86022.4/22

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 106.281+/-0.067 χ^2/NDF: 76490.3/28

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

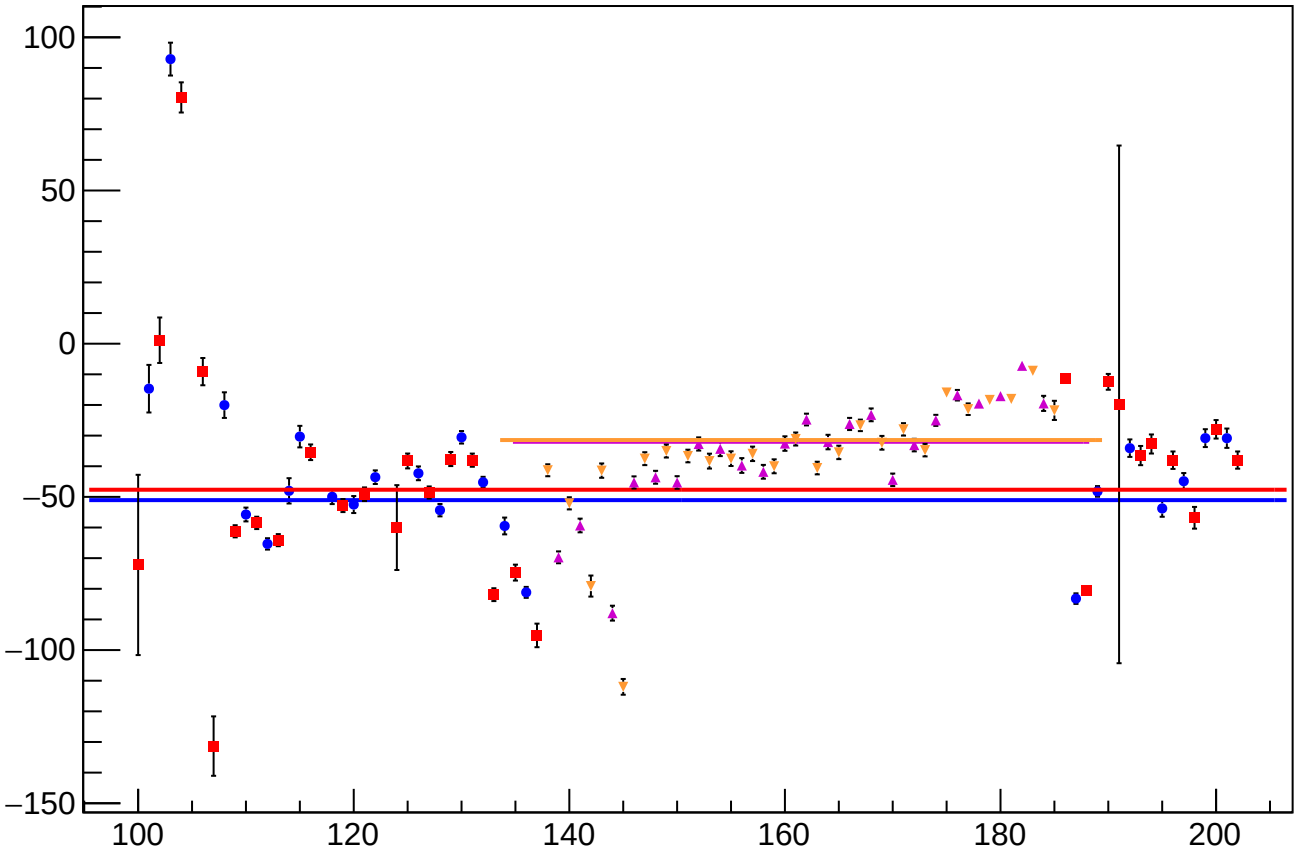
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 109.272+/-0.050 χ^2/NDF: 166815.1/51

In: 116.131+/-0.034 χ^2/NDF:91959.2/45

Out: 114.777+/-0.033 χ^2/NDF:102154.7/53

All: 115.433+/-0.024 χ^2/NDF: 194923.9/99



Right In: -51.061+/-0.502 χ^2/NDF: 1810.4/22

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -47.666+/-0.429 χ^2/NDF: 4194.5/28

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

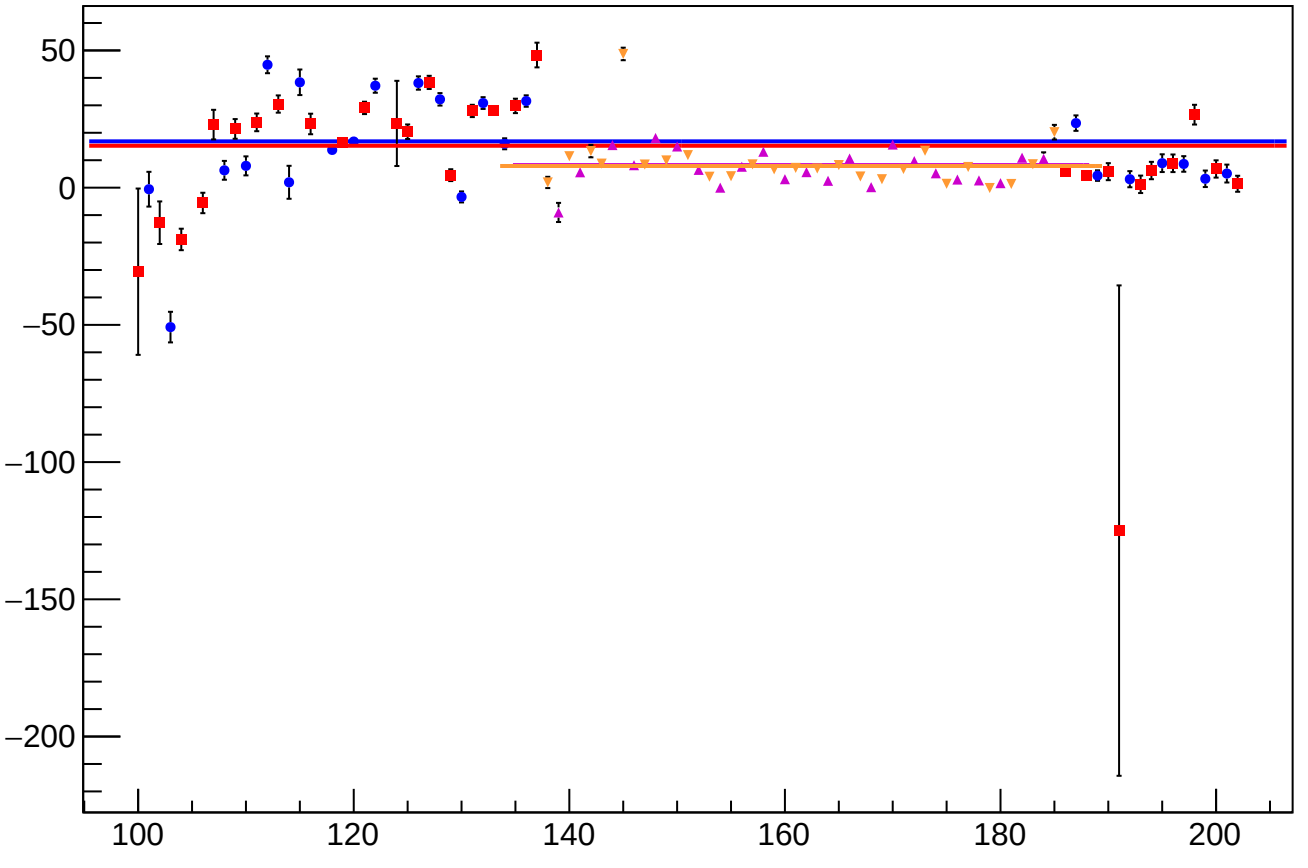
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -49.102+/-0.326 χ^2/NDF: 6031.4/51

In: -39.622+/-0.317 χ^2/NDF:4589.5/45

Out: -38.963+/-0.292 χ^2/NDF:6952.2/53

All: -39.266+/-0.215 χ^2/NDF: 11544.0/99



Right In: 16.874+/-0.526 χ^2/NDF: 781.3/22

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.273+/-0.477 χ^2/NDF: 705.3/28

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

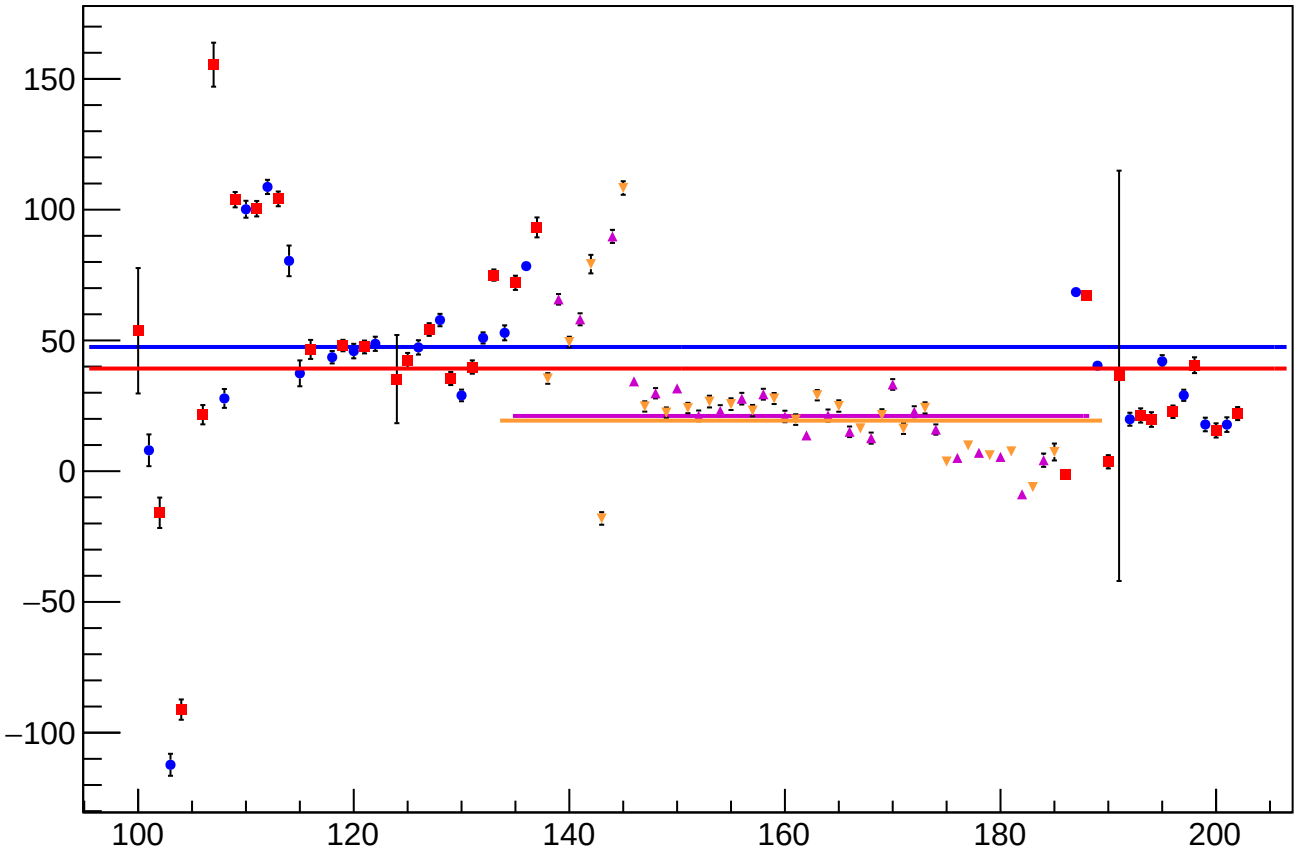
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 15.995+/-0.353 χ^2/NDF: 1491.7/51

In: 10.509+/-0.271 χ^2/NDF:1318.8/45

Out: 10.028+/-0.256 χ^2/NDF:1366.0/53

All: 10.255+/-0.186 χ^2/NDF: 2686.4/99



Right In: 47.494+/-0.509 χ^2/NDF: 3401.2/22

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 39.252+/-0.410 χ^2/NDF: 7540.8/28

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

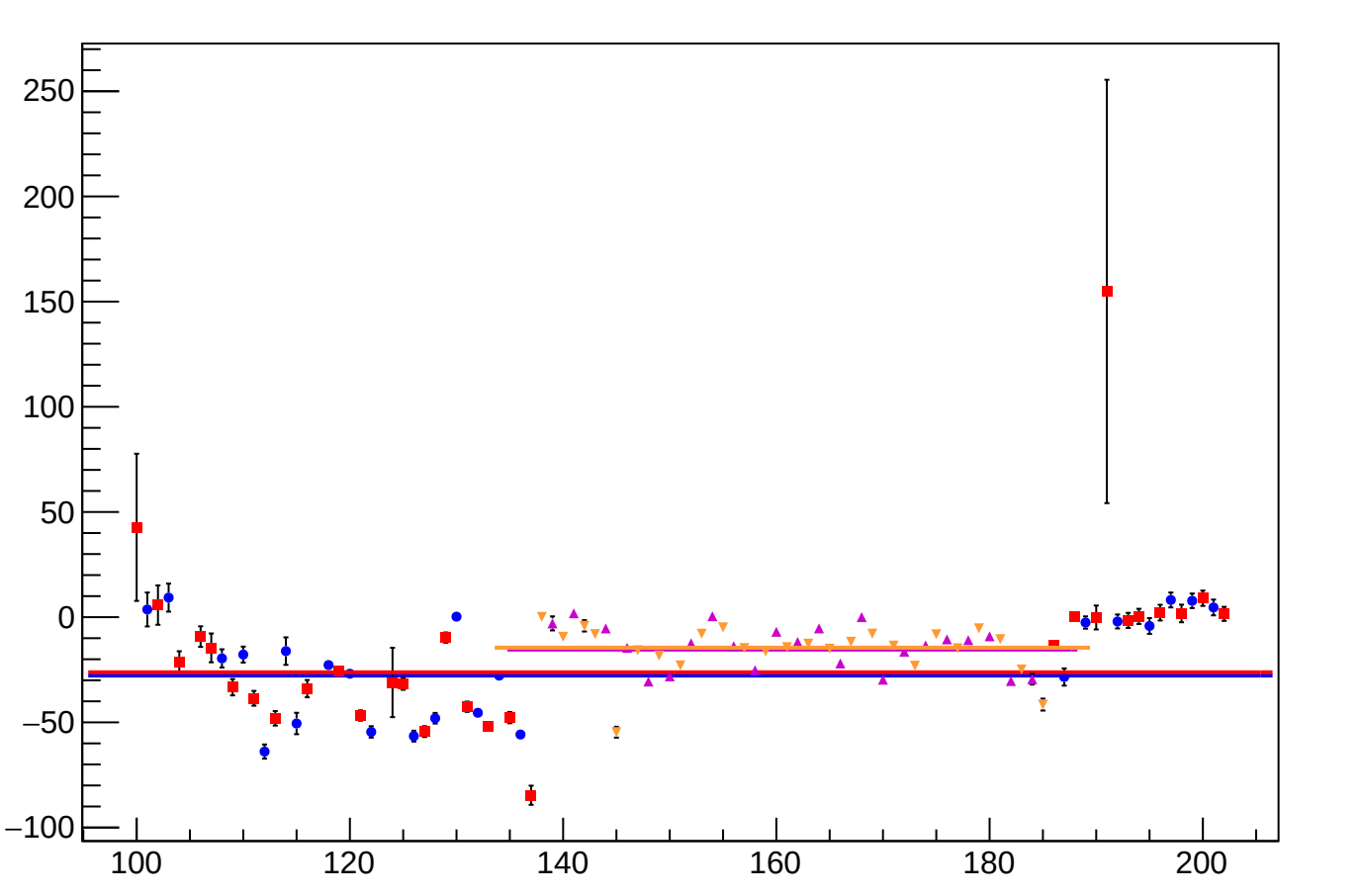
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 42.492+/-0.319 χ^2/NDF: 11101.0/51

In: 31.336+/-0.317 χ^2/NDF:7549.6/45

Out: 28.943+/-0.285 χ^2/NDF:11445.3/53

All: 30.012+/-0.212 χ^2/NDF: 19026.5/99



Right In: -27.731+/-0.619 χ^2/NDF: 1340.3/22

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -26.198+/-0.582 χ^2/NDF: 1396.2/28

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

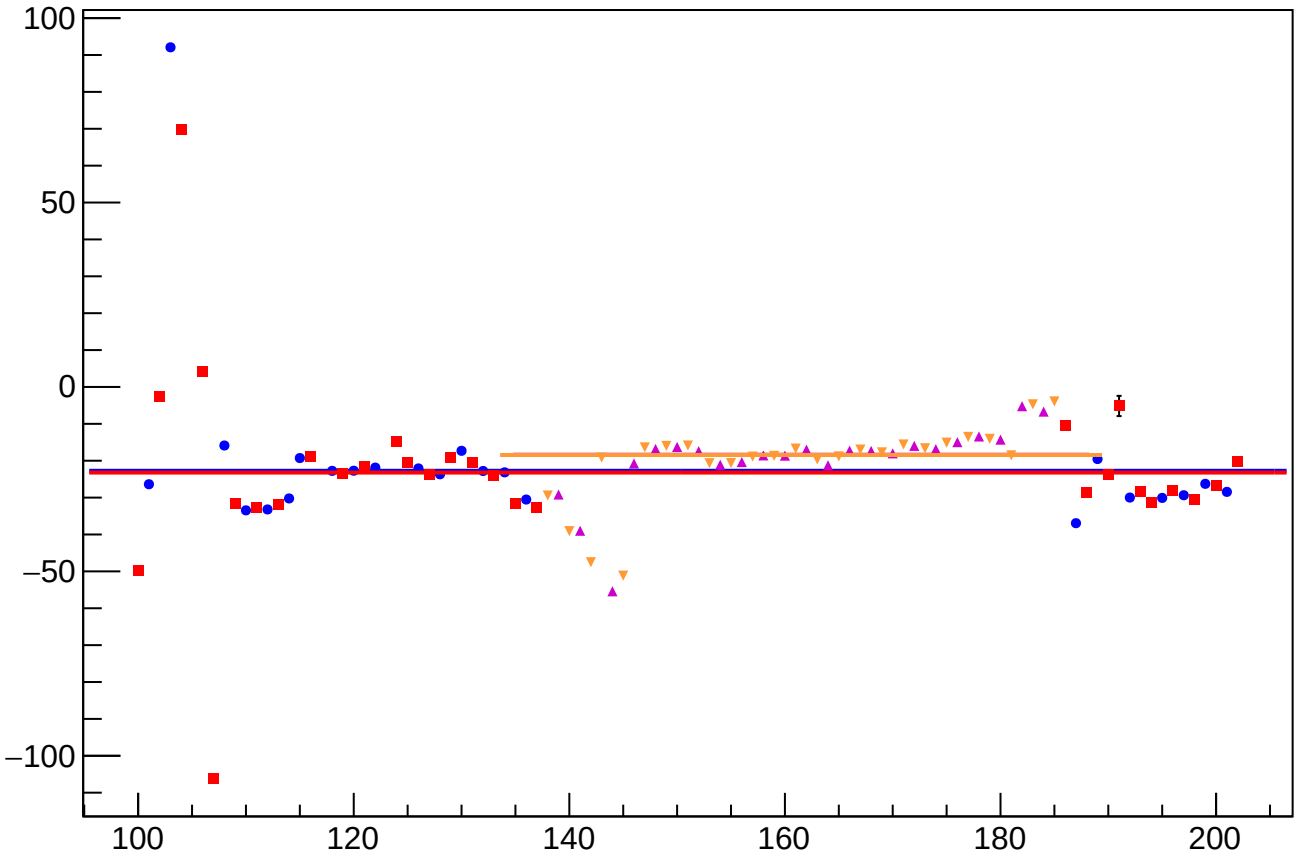
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -26.918+/-0.424 χ^2/NDF: 2739.7/51

In: -18.472+/-0.308 χ^2/NDF:2437.0/45

Out: -17.533+/-0.296 χ^2/NDF:2336.8/53

All: -17.983+/-0.213 χ^2/NDF: 4778.6/99



Right In: -22.732+/-0.031 χ^2/NDF: 459761.0/22

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.209+/-0.029 χ^2/NDF: 379402.6/28

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

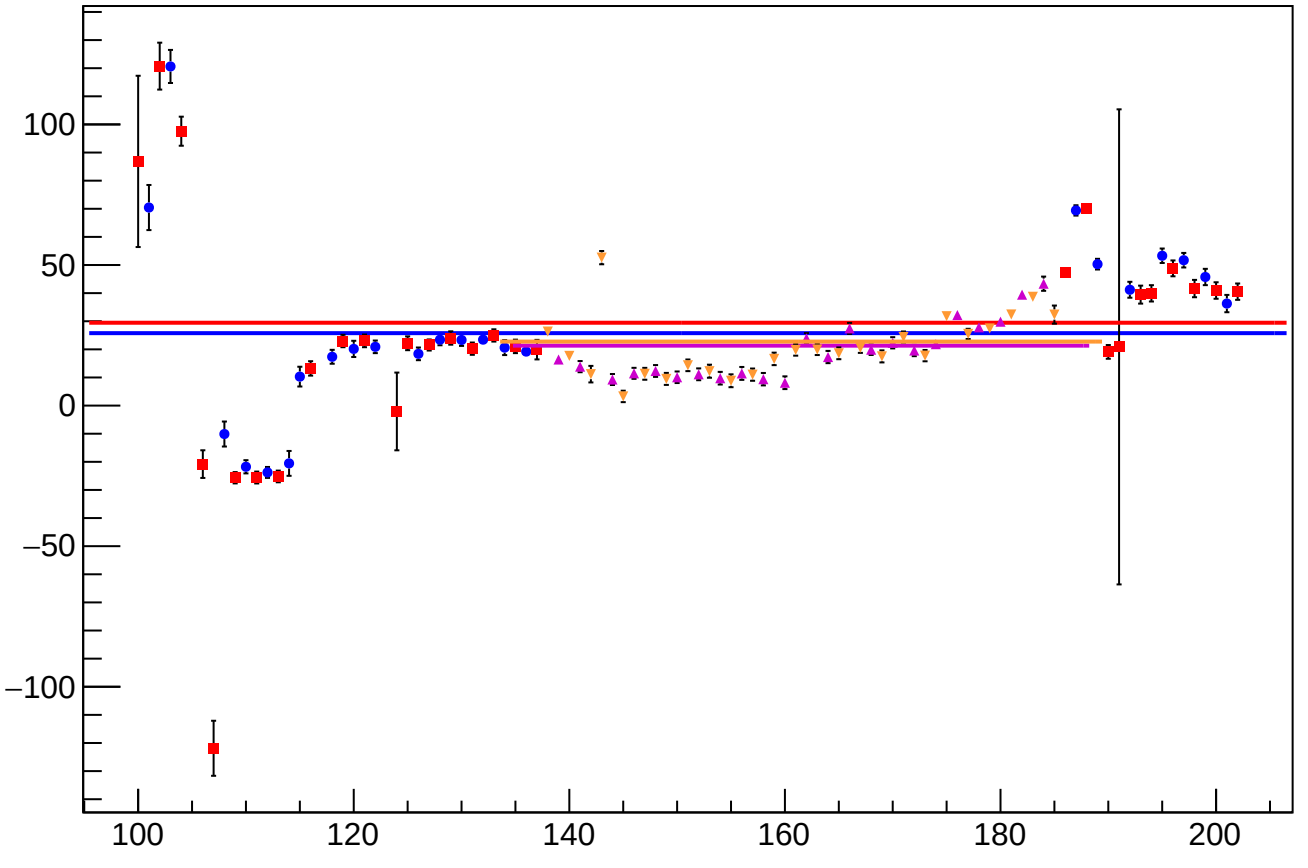
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -22.983+/-0.021 χ^2/NDF: 839289.0/51

In: -19.274+/-0.014 χ^2/NDF:725516.0/45

Out: -19.487+/-0.014 χ^2/NDF:695360.9/53

All: -19.383+/-0.010 χ^2/NDF: 1420995.1/99



Right In: 25.765+/-0.508 χ^2/NDF: 2630.3/22

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 29.471+/-0.449 χ^2/NDF: 4654.0/28

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

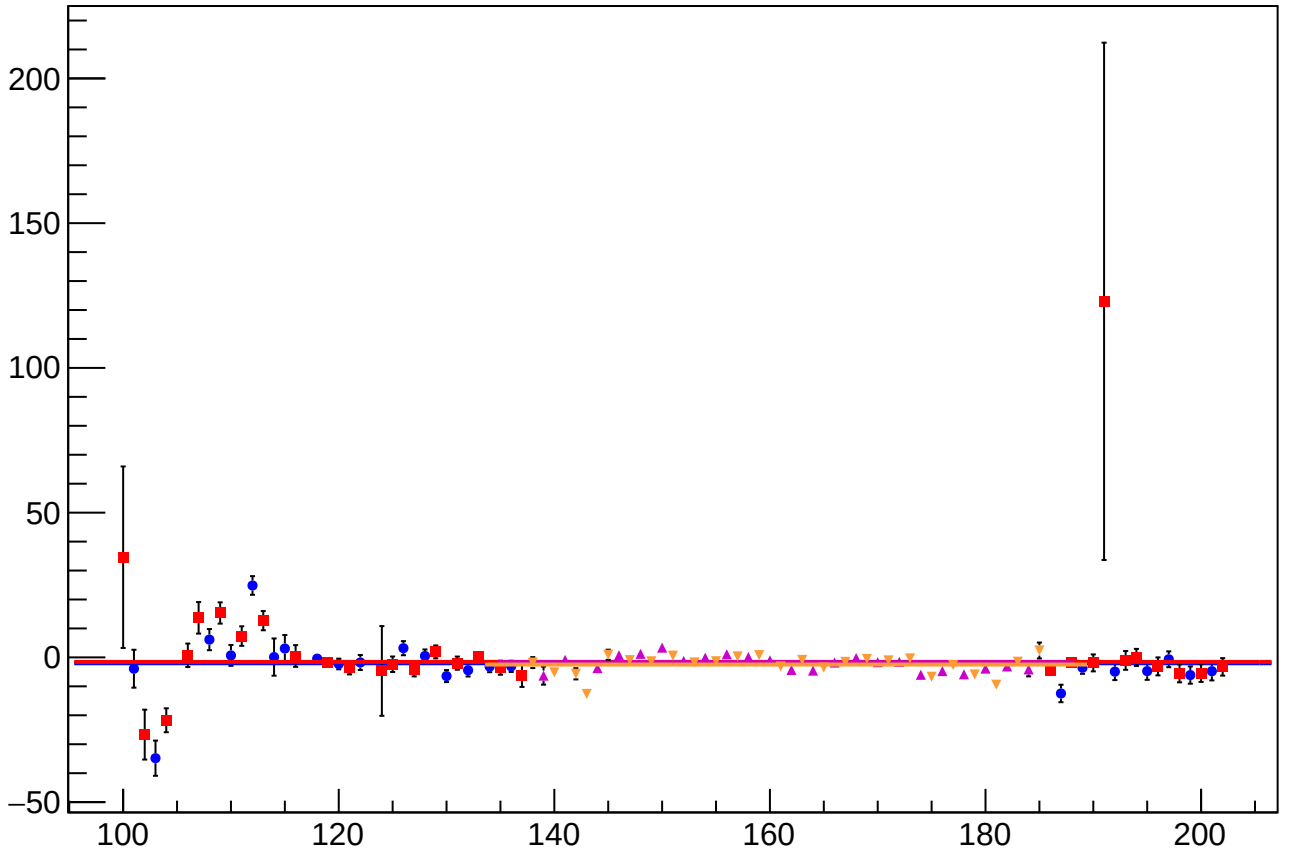
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 27.849+/-0.336 χ^2/NDF: 7314.2/51

In: 22.984+/-0.311 χ^2/NDF:3308.0/45

Out: 25.589+/-0.291 χ^2/NDF:5506.1/53

All: 24.372+/-0.212 χ^2/NDF: 8851.5/99



Right In: -2.024+/-0.533 χ^2/NDF: 136.3/22

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.558+/-0.496 χ^2/NDF: 105.6/28

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

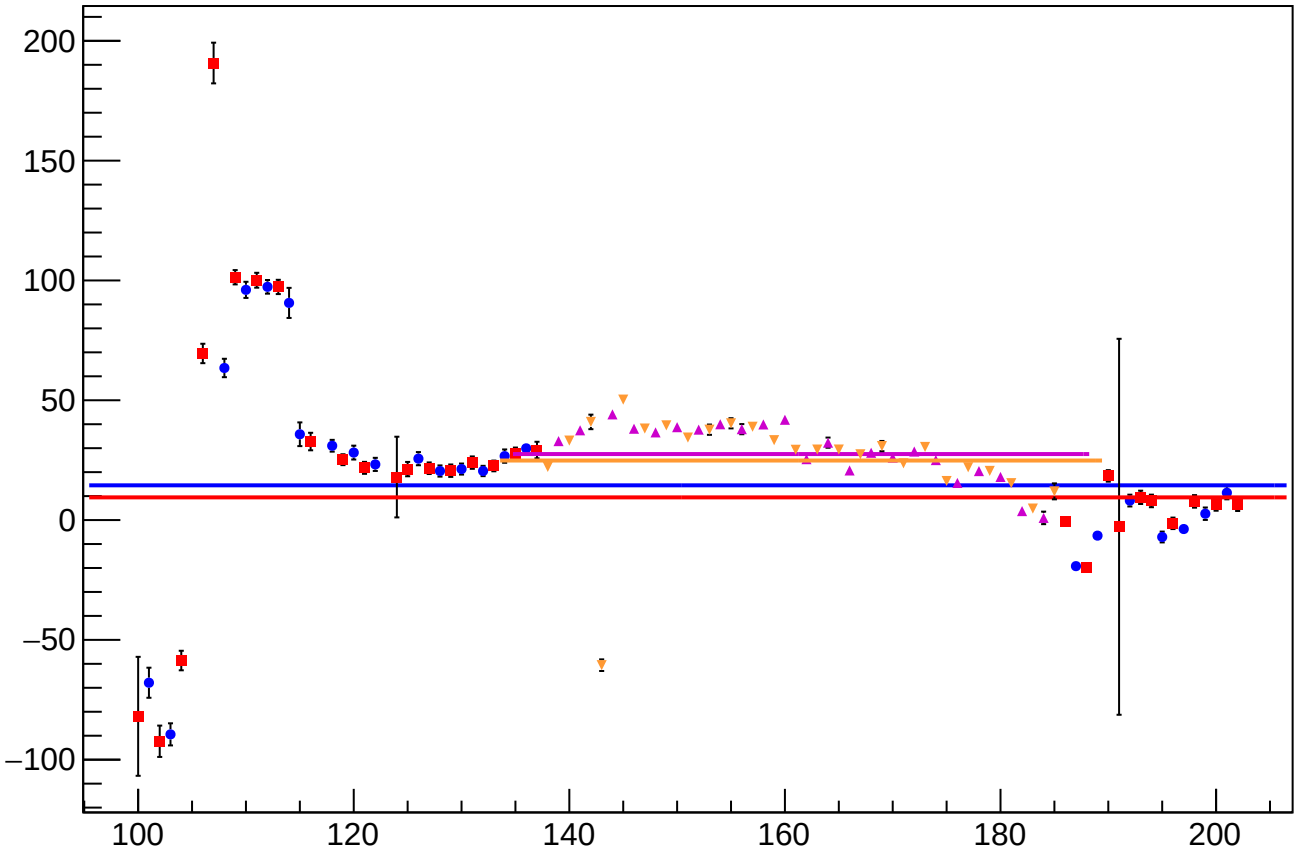
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.774+/-0.363 χ^2/NDF: 242.4/51

In: -1.749+/-0.264 χ^2/NDF:206.9/45

Out: -2.233+/-0.252 χ^2/NDF:224.8/53

All: -2.002+/-0.182 χ^2/NDF: 433.5/99



Right In: 14.498+/-0.518 χ^2/NDF: 3522.1/22

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.470+/-0.435 χ^2/NDF: 5482.3/28

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

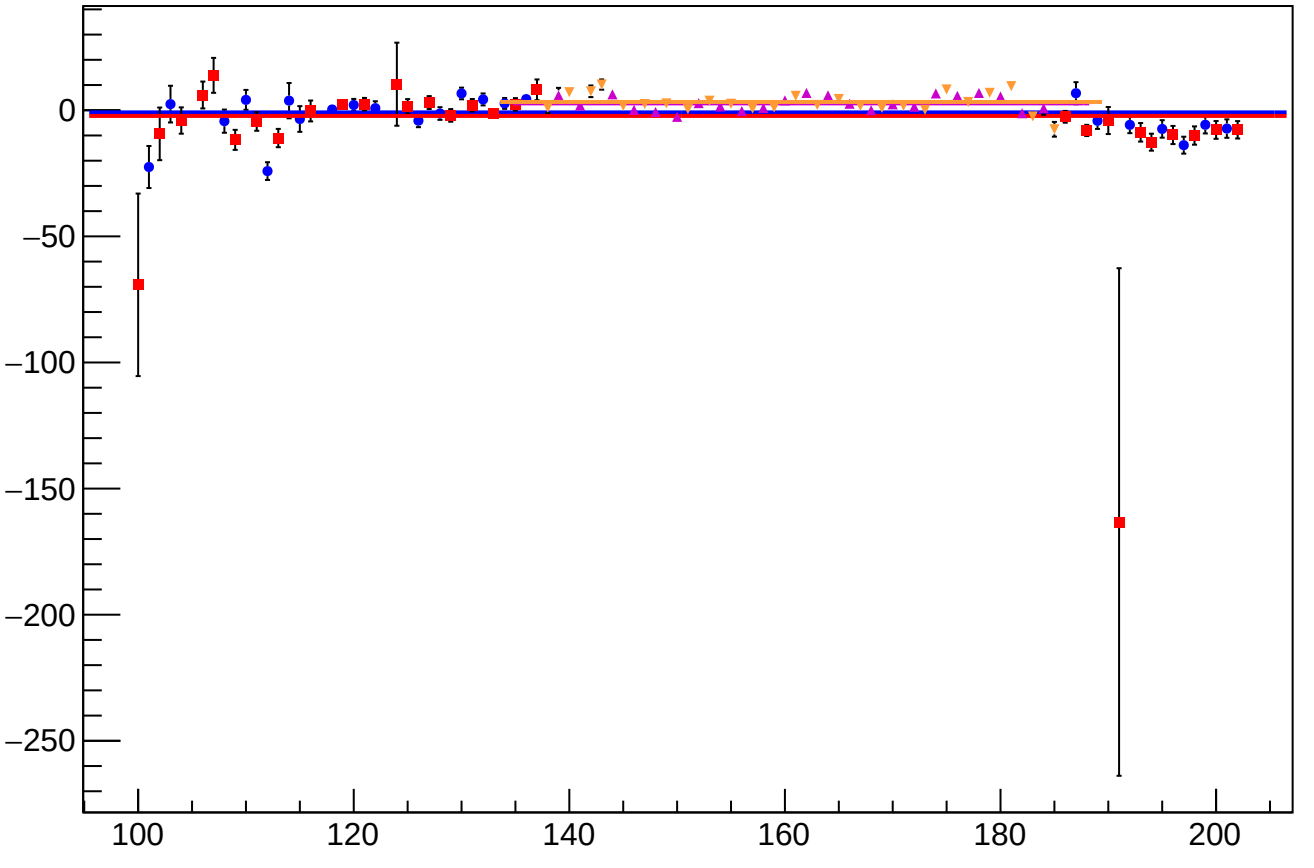
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 11.548+/-0.333 χ^2/NDF: 9059.7/51

In: 22.847+/-0.311 χ^2/NDF:4810.0/45

Out: 18.195+/-0.286 χ^2/NDF:8240.7/53

All: 20.327+/-0.211 χ^2/NDF: 13171.9/99



Right In: -0.848+/-0.622 χ^2/NDF: 112.9/22

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.250+/-0.598 χ^2/NDF: 88.7/28

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

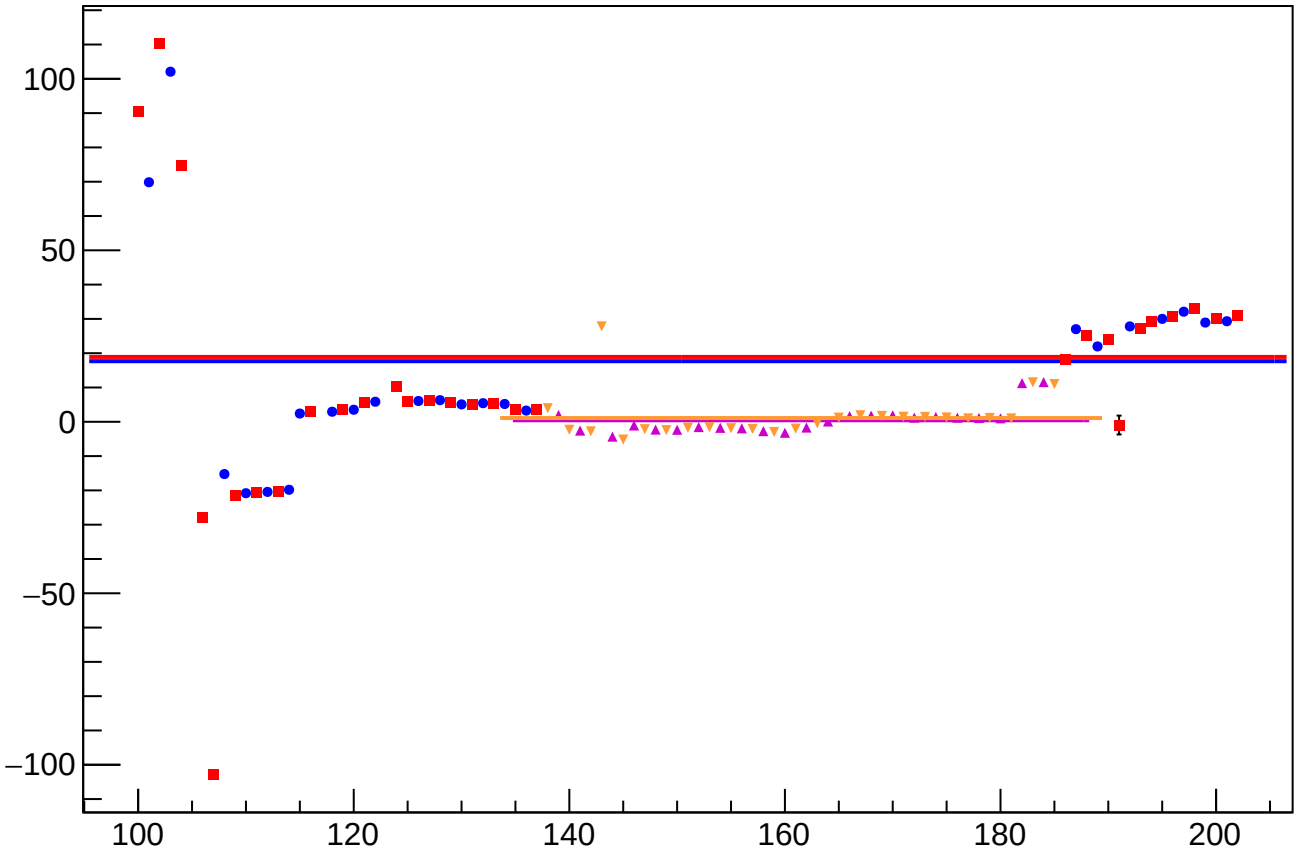
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.576+/-0.431 χ^2/NDF: 204.2/51

In: 1.898+/-0.300 χ^2/NDF:212.8/45

Out: 1.986+/-0.290 χ^2/NDF:260.5/53

All: 1.944+/-0.208 χ^2/NDF: 473.4/99



Right In: 17.665+/-0.030 χ^2/NDF: 453637.2/22

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 18.918+/-0.029 χ^2/NDF: 611484.1/28

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

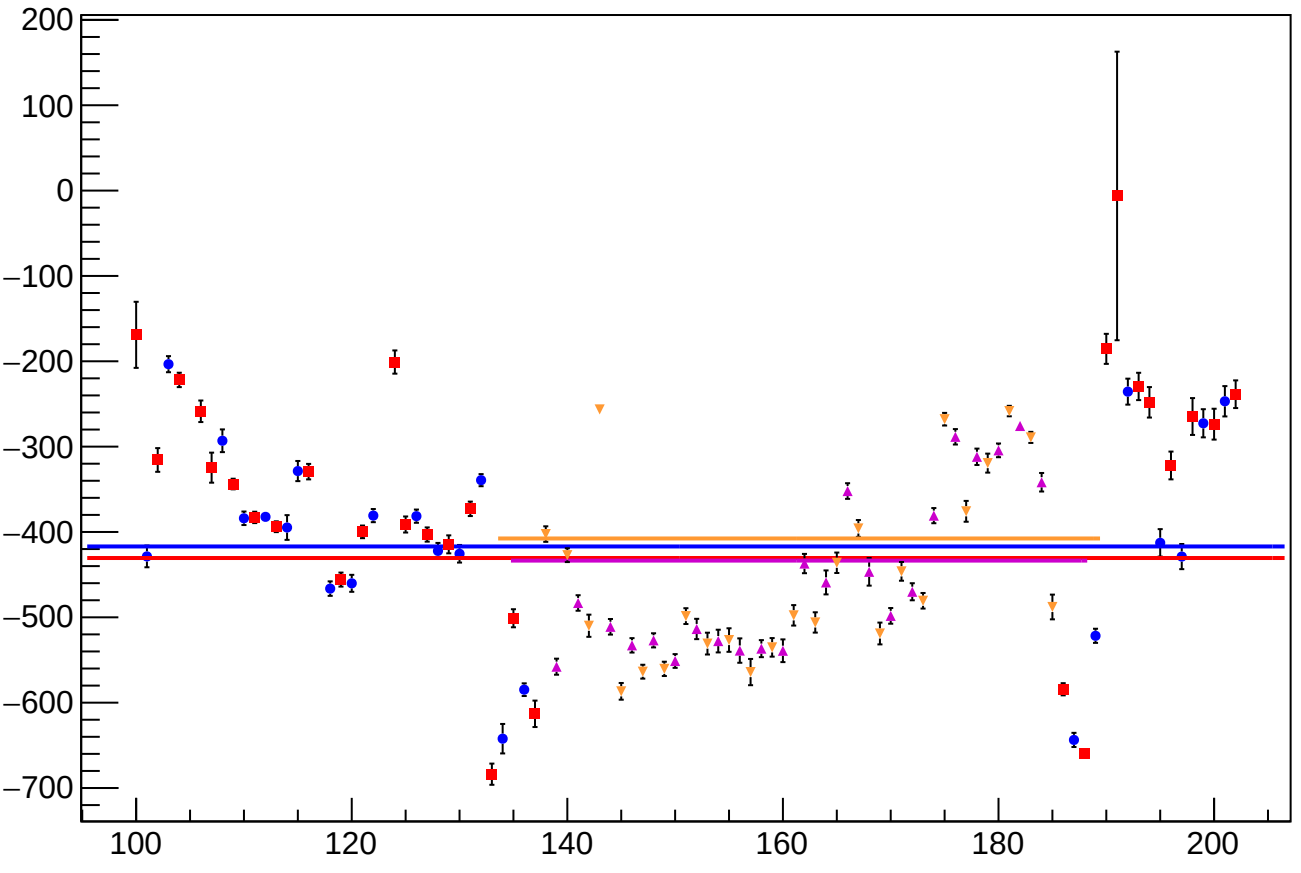
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 18.317+/-0.021 χ^2/NDF: 1066002.1/51

In: 3.840+/-0.014 χ^2/NDF:764110.0/45

Out: 4.743+/-0.013 χ^2/NDF:1035697.6/53

All: 4.301+/-0.009 χ^2/NDF: 1802088.3/99



Right In: -416.970+/-2.005 χ^2/NDF: 2824.6/22

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -430.509+/-1.779 χ^2/NDF: 6310.4/28

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

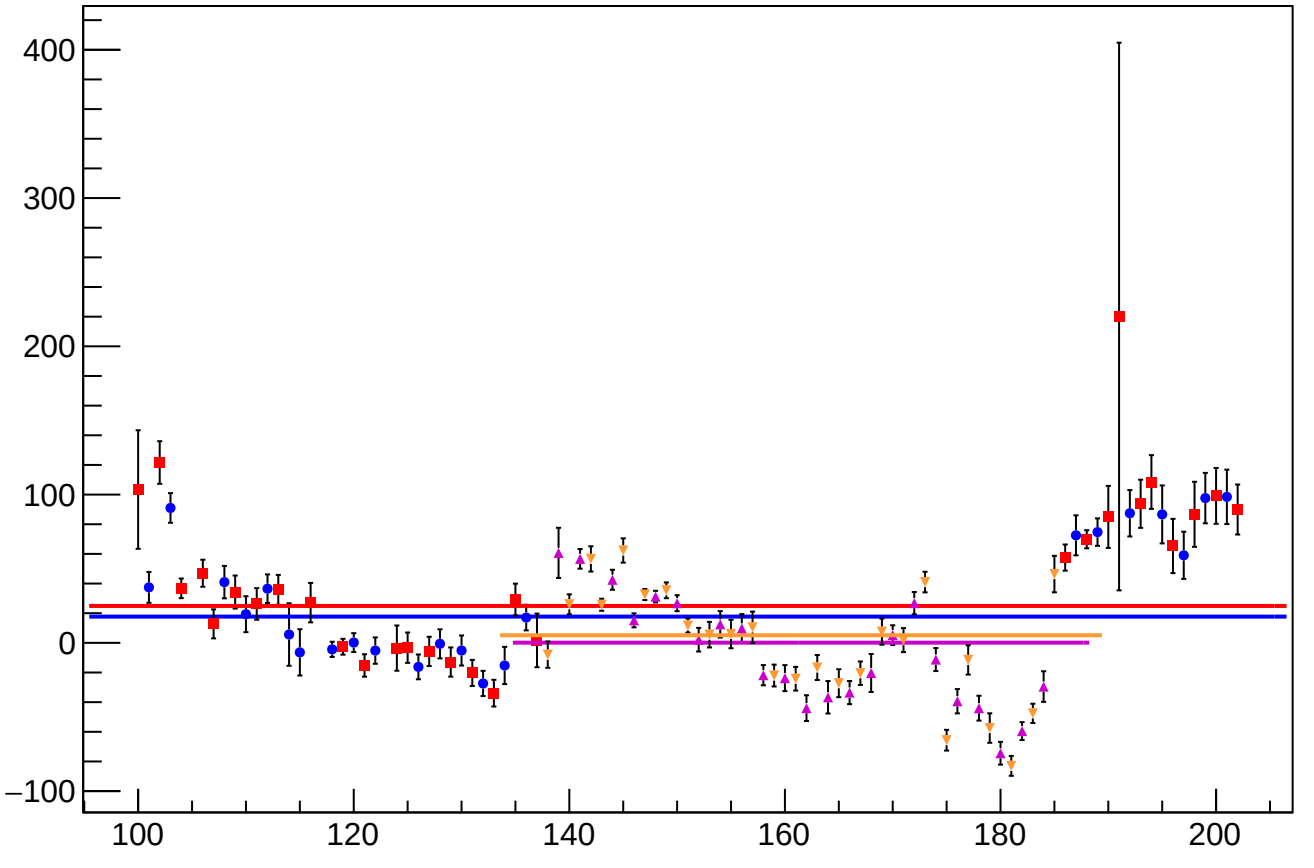
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -424.546+/-1.331 χ^2/NDF: 9160.4/51

In: -425.299+/-1.414 χ^2/NDF:5583.4/45

Out: -419.624+/-1.288 χ^2/NDF:10394.7/53

All: -422.199+/-0.952 χ^2/NDF: 15986.9/99



Right In: 17.707+/-2.088 χ^2/NDF: 296.1/22

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 24.894+/-1.934 χ^2/NDF: 382.6/28

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

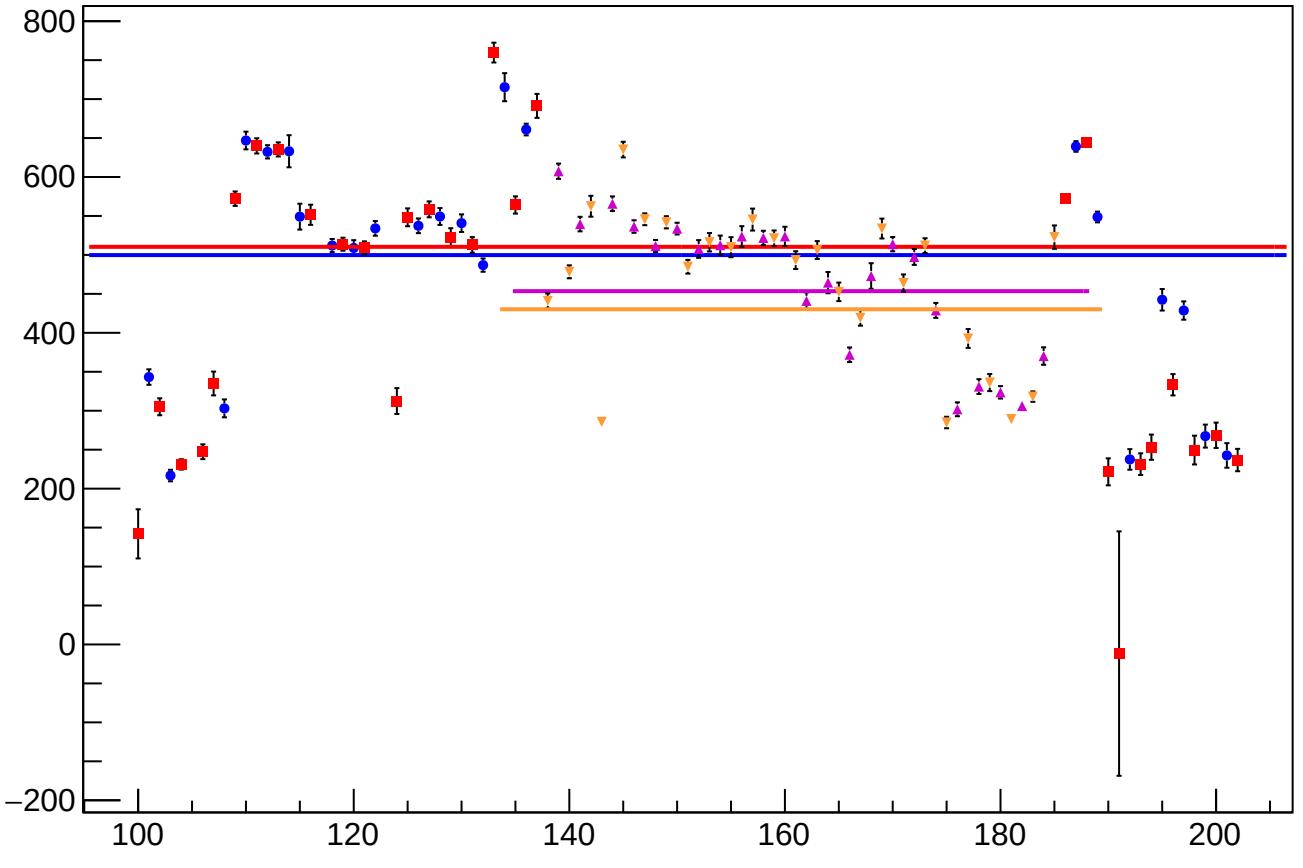
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 21.576+/-1.419 χ^2/NDF: 685.1/51

In: 6.052+/-1.213 χ^2/NDF:911.7/45

Out: 11.787+/-1.123 χ^2/NDF:1141.0/53

All: 9.140+/-0.824 χ^2/NDF: 2064.8/99



Right In: 499.781+/-2.085 χ^2/NDF: 4563.9/22

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 510.363+/-1.784 χ^2/NDF: 7762.3/28

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

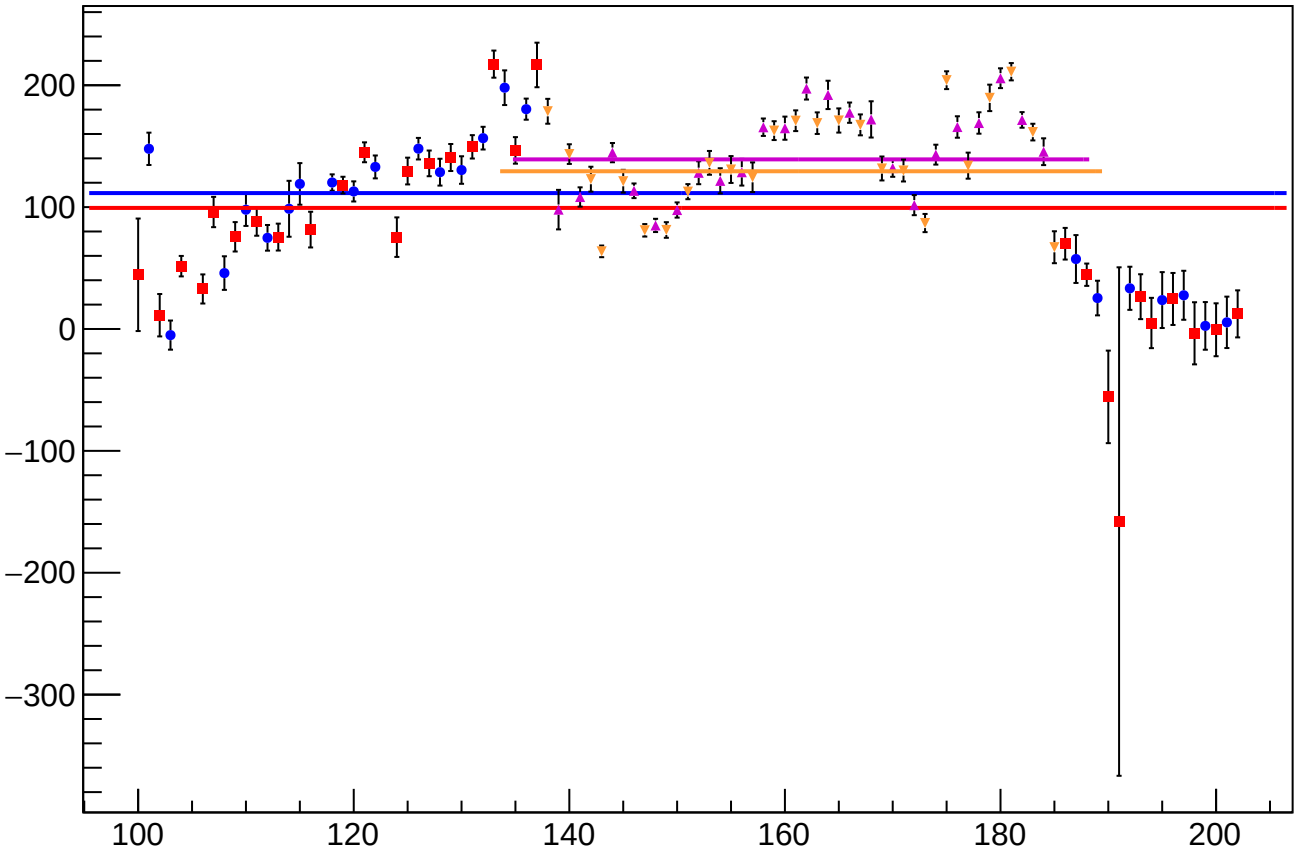
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 505.888+/-1.356 χ^2/NDF: 12341.1/51

In: 475.376+/-1.433 χ^2/NDF:7243.5/45

Out: 471.988+/-1.288 χ^2/NDF:12133.2/53

All: 473.501+/-0.958 χ^2/NDF: 19379.8/99



Right In: 111.514+/-2.463 χ^2/NDF: 443.8/22

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 99.340+/-2.314 χ^2/NDF: 541.3/28

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

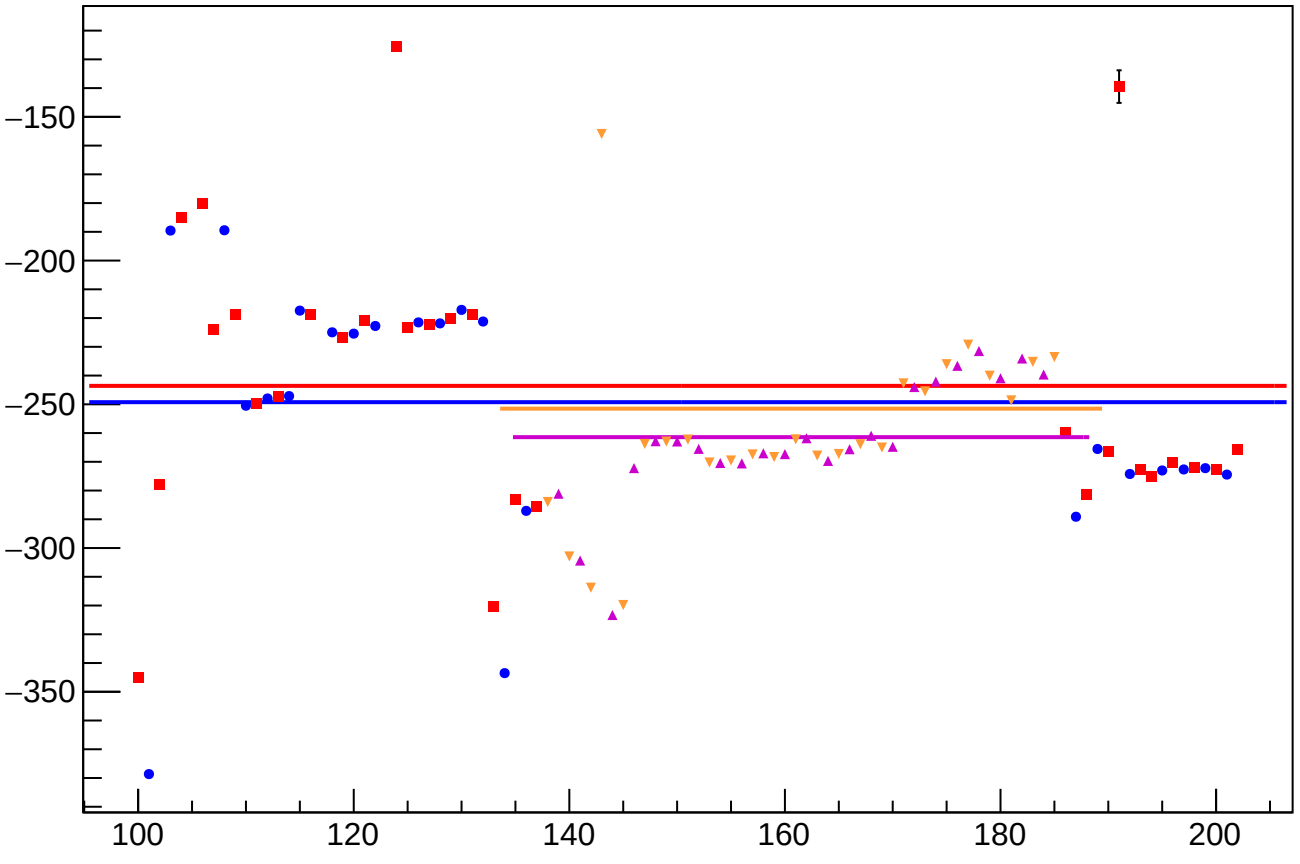
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 105.047+/-1.686 χ^2/NDF: 998.1/51

In: 130.205+/-1.402 χ^2/NDF:963.2/45

Out: 119.749+/-1.312 χ^2/NDF:1470.3/53

All: 124.631+/-0.958 χ^2/NDF: 2463.2/99



Right In: -249.257+/-0.129 χ^2/NDF: 147250.5/22

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -243.585+/-0.121 χ^2/NDF: 110909.3/28

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

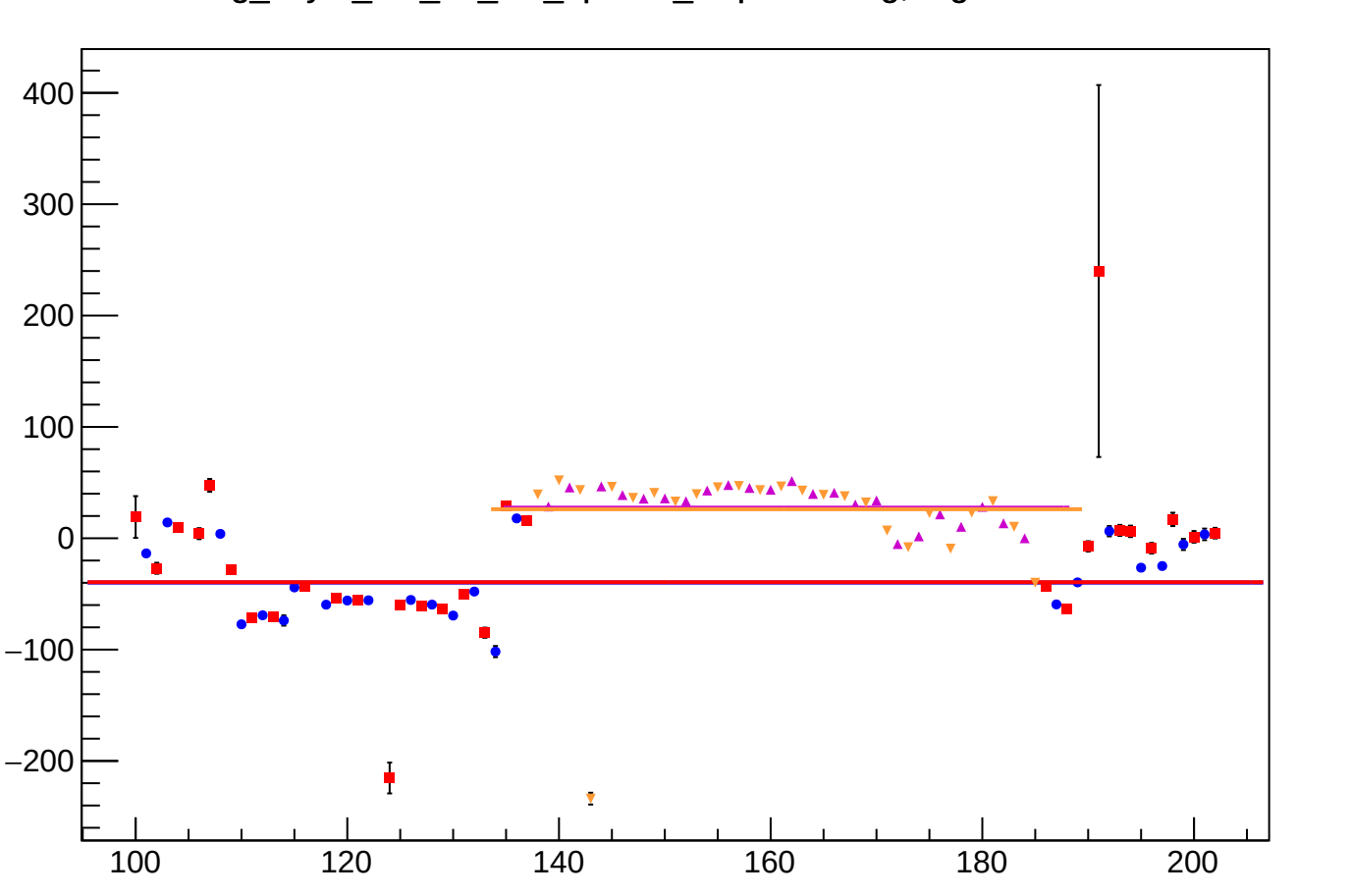
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

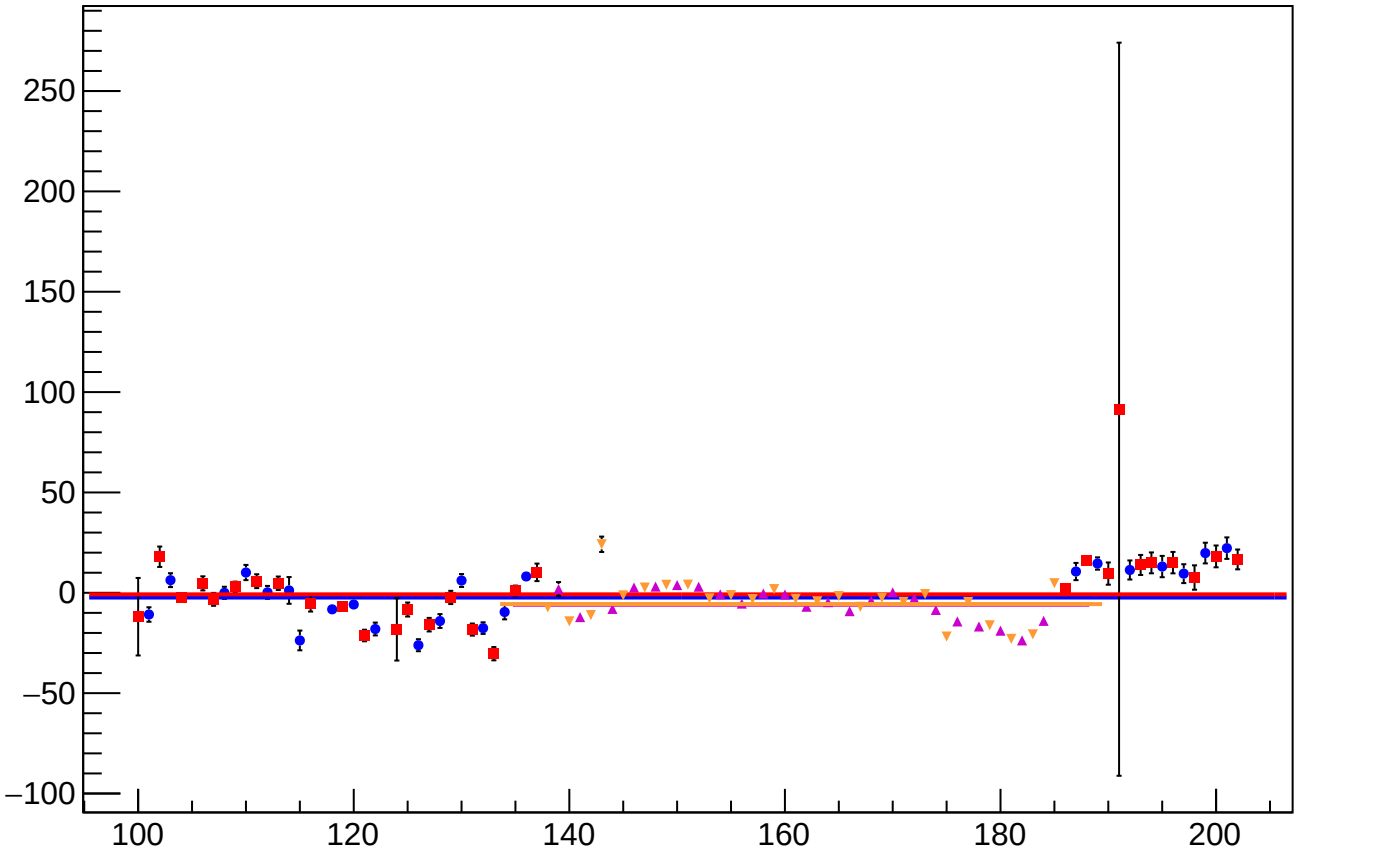
Right: -246.247+/-0.088 χ^2/NDF: 259191.8/51

In: -258.161+/-0.067 χ^2/NDF:223356.7/45

Out: -249.325+/-0.063 χ^2/NDF:368942.1/53

All: -253.531+/-0.046 χ^2/NDF: 601517.7/99


reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
100
120
140
160
180
200
Right In: -39.806+/-0.643 χ²/NDF: 2705.5/22
Left Out: 26.087+/-0.390 χ²/NDF:4785.1/24
Right Out: -39.456+/-0.555 χ²/NDF: 3234.6/28
Left In: 27.466+/-0.396 χ²/NDF:1608.9/22
Left: 26.766+/-0.278 χ²/NDF: 6400.2/47
Right: -39.605+/-0.420 χ²/NDF: 5940.2/51
In: 8.998+/-0.337 χ²/NDF:12245.4/45
Out: 4.433+/-0.319 χ²/NDF:17365.4/53
All: 6.589+/-0.232 χ²/NDF: 29707.6/99



Right In: -2.357+/-0.687 χ^2/NDF: 318.8/22

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -0.771+/-0.628 χ^2/NDF: 355.5/28

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

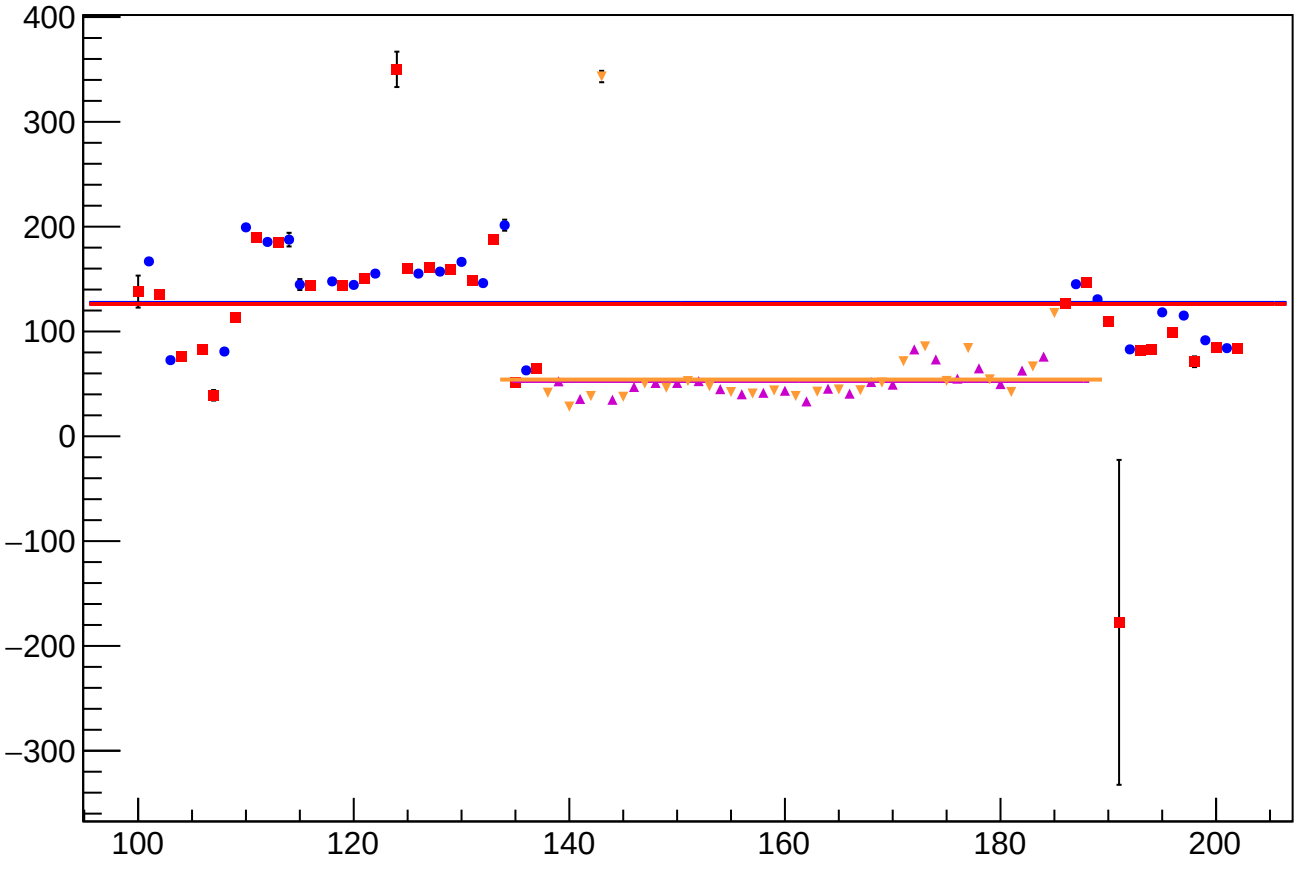
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -1.494+/-0.464 χ^2/NDF: 677.2/51

In: -5.336+/-0.282 χ^2/NDF:1053.7/45

Out: -4.715+/-0.272 χ^2/NDF:1297.3/53

All: -5.015+/-0.196 χ^2/NDF: 2353.6/99



Right In: 127.249+/-0.664 χ^2/NDF: 3994.1/22

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.240+/-0.559 χ^2/NDF: 4350.6/28

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

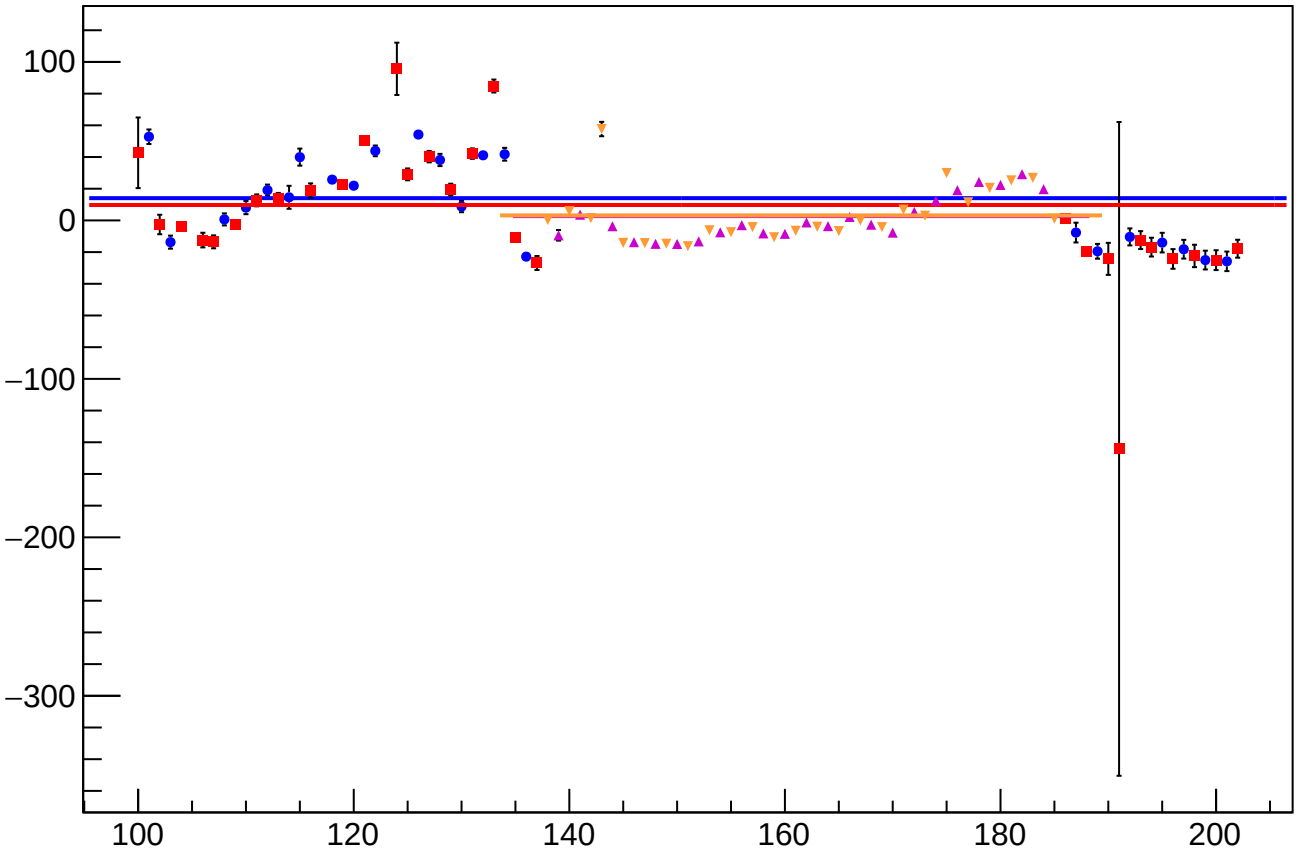
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.658+/-0.428 χ^2/NDF: 8346.0/51

In: 72.068+/-0.338 χ^2/NDF:14280.8/45

Out: 77.513+/-0.318 χ^2/NDF:20189.1/53

All: 74.953+/-0.232 χ^2/NDF: 34607.5/99



Right In: 14.040+/-0.799 χ^2/NDF: 1111.6/22

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 9.730+/-0.749 χ^2/NDF: 1248.8/28

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

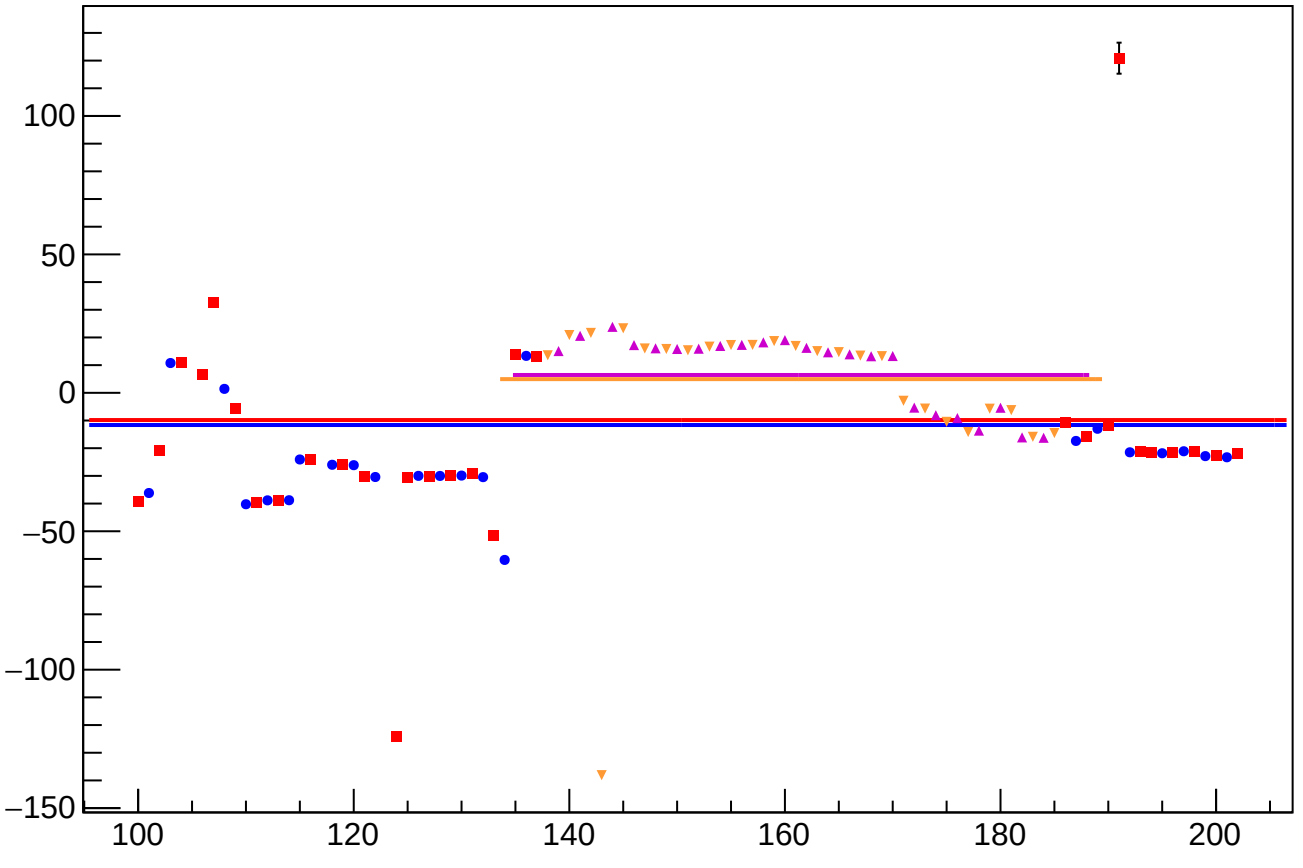
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 11.748+/-0.546 χ^2/NDF: 2375.9/51

In: 4.517+/-0.318 χ^2/NDF:3015.8/45

Out: 4.276+/-0.310 χ^2/NDF:3325.0/53

All: 4.393+/-0.222 χ^2/NDF: 6341.1/99



Right In: -11.628+/-0.039 χ^2/NDF: 291626.7/22

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -9.831+/-0.037 χ^2/NDF: 269504.1/28

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

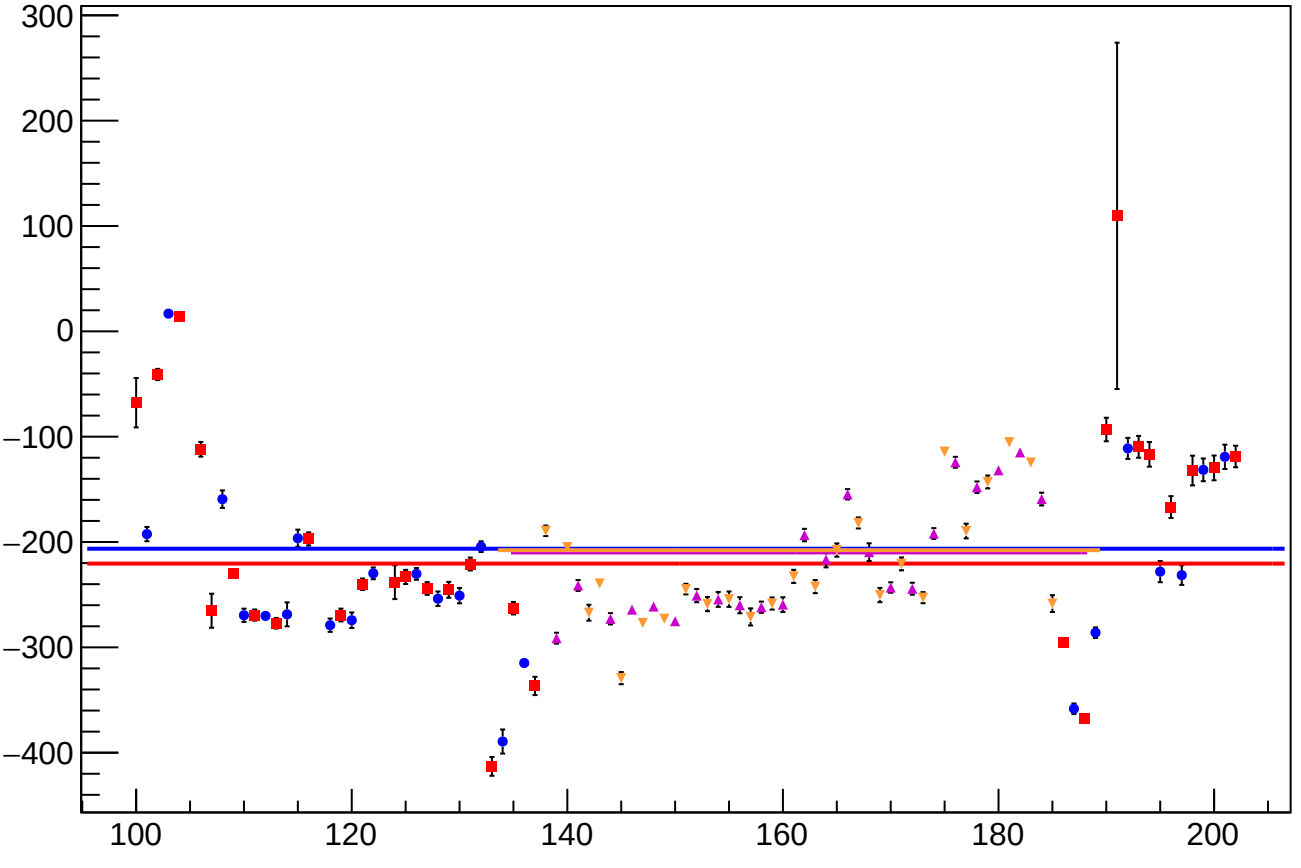
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -10.697+/-0.027 χ^2/NDF: 562239.8/51

In: 4.006+/-0.014 χ^2/NDF:1208663.5/45

Out: 2.853+/-0.014 χ^2/NDF:1539554.4/53

All: 3.422+/-0.010 χ^2/NDF: 2751521.1/99



Right In: -206.373+/-1.265 χ^2/NDF: 8724.8/22

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -220.480+/-1.124 χ^2/NDF: 12168.7/28

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

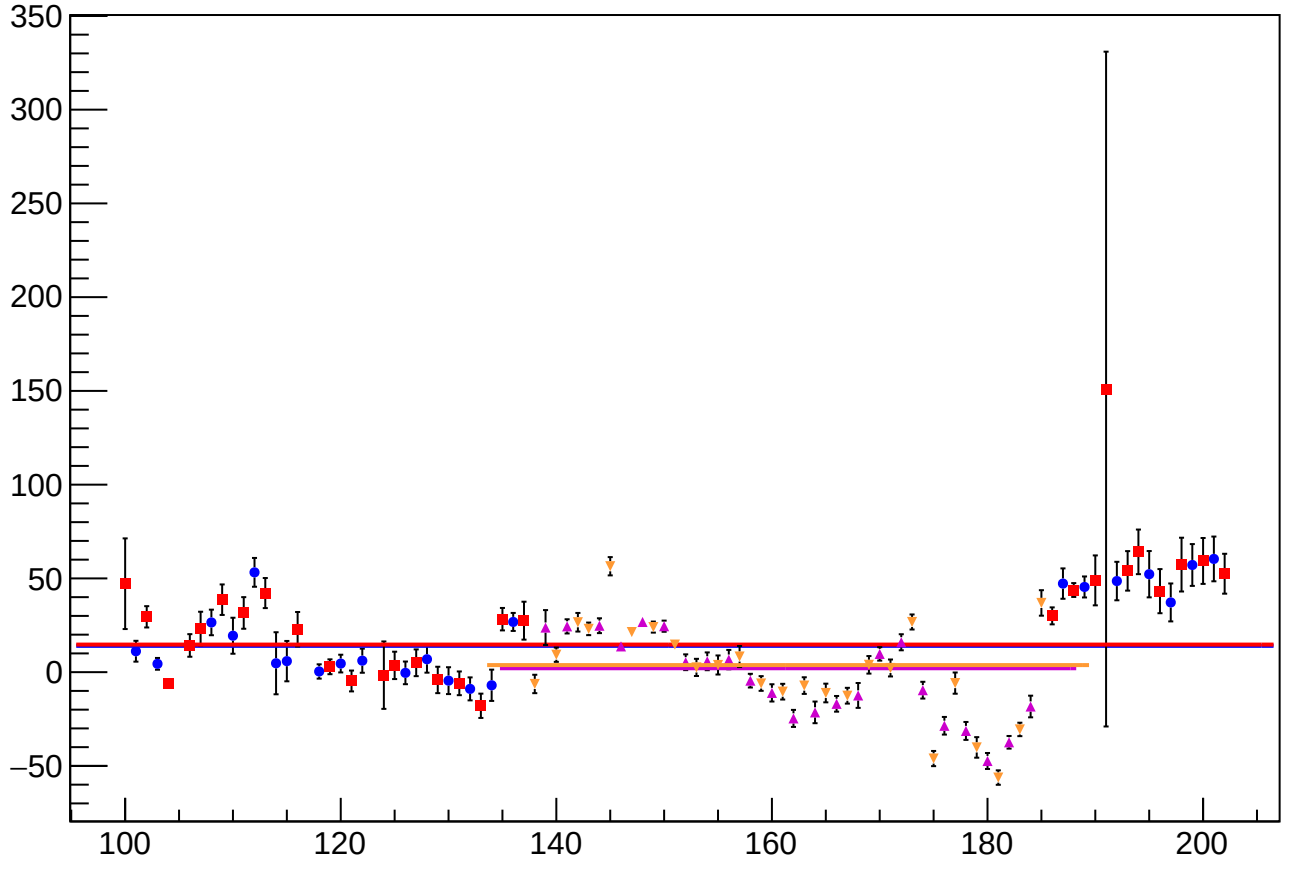
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -214.260+/-0.840 χ^2/NDF: 20963.0/51

In: -208.365+/-0.831 χ^2/NDF:11741.1/45

Out: -213.799+/-0.775 χ^2/NDF:15723.2/53

All: -211.271+/-0.567 χ^2/NDF: 27487.2/99



Right In: 14.031+/-1.323 χ^2/NDF: 203.8/22

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 14.707+/-1.182 χ^2/NDF: 337.2/28

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

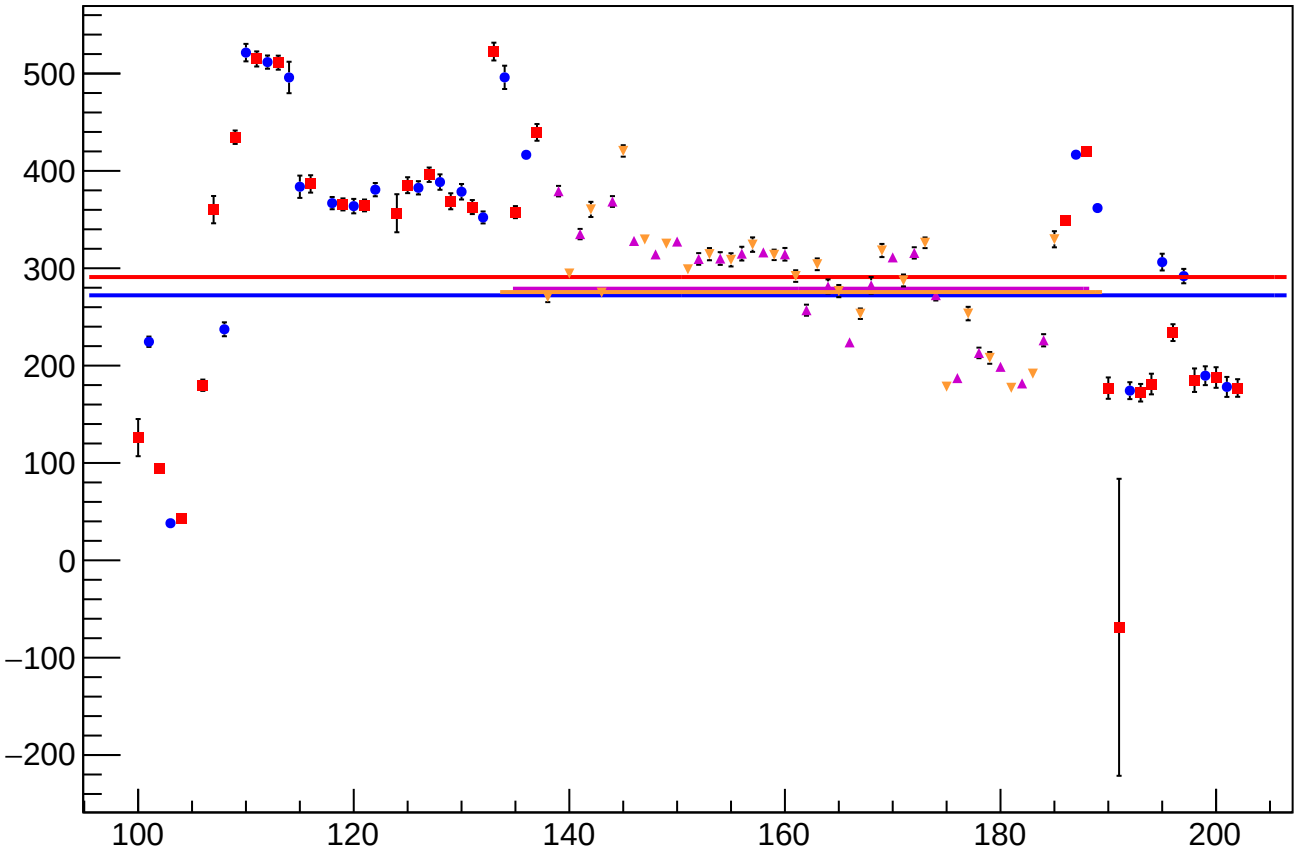
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 14.407+/-0.881 χ^2/NDF: 541.2/51

In: 5.397+/-0.697 χ^2/NDF:1033.0/45

Out: 7.131+/-0.655 χ^2/NDF:1368.6/53

All: 6.317+/-0.477 χ^2/NDF: 2404.9/99



Right In: 272.186+/-1.215 χ^2/NDF: 17580.7/22

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.964+/-1.049 χ^2/NDF: 21880.4/28

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

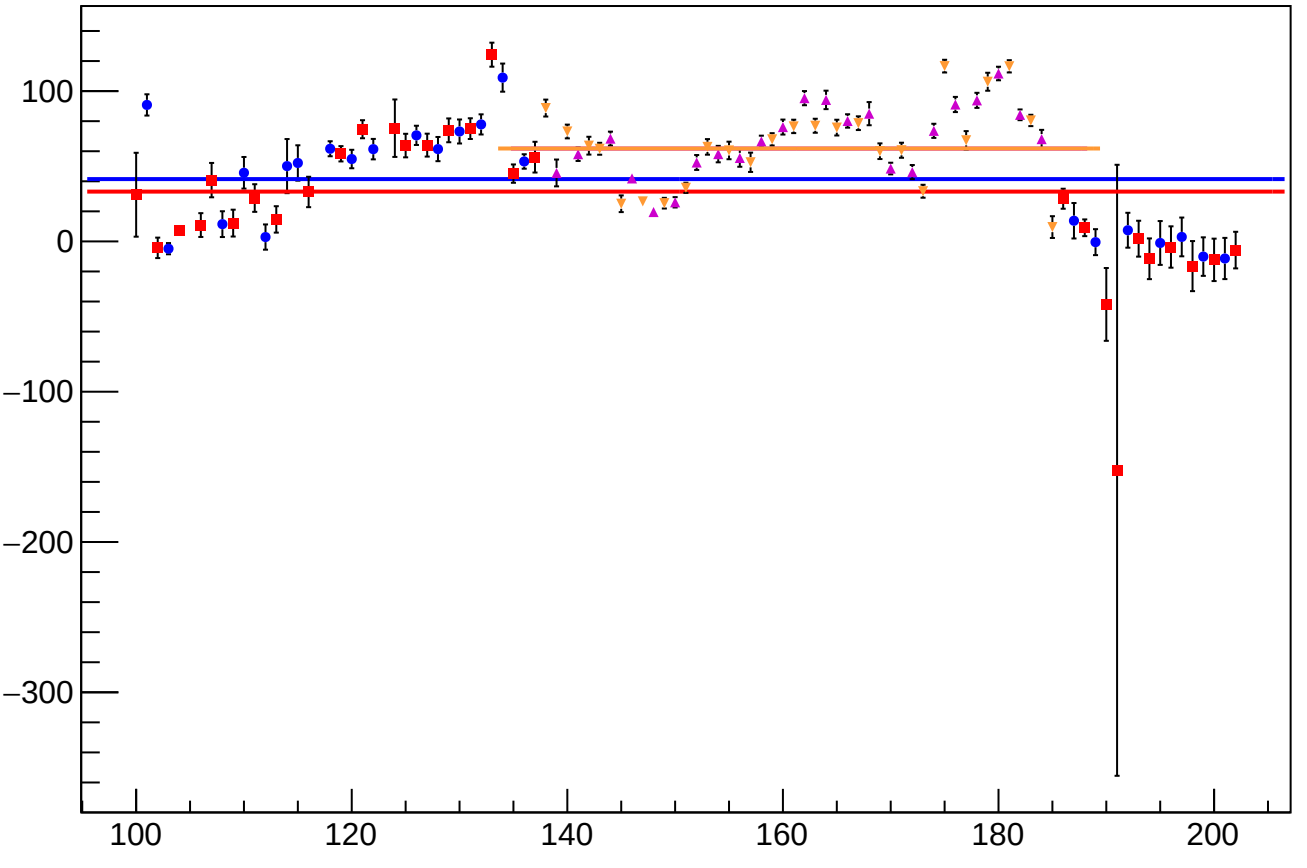
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 282.944+/-0.794 χ^2/NDF: 39597.9/51

In: 275.960+/-0.811 χ^2/NDF:20712.8/45

Out: 283.343+/-0.746 χ^2/NDF:25310.3/53

All: 279.957+/-0.549 χ^2/NDF: 46068.0/99



Right In: 41.462+/-1.562 χ^2/NDF: 483.1/22

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 33.136+/-1.440 χ^2/NDF: 514.5/28

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

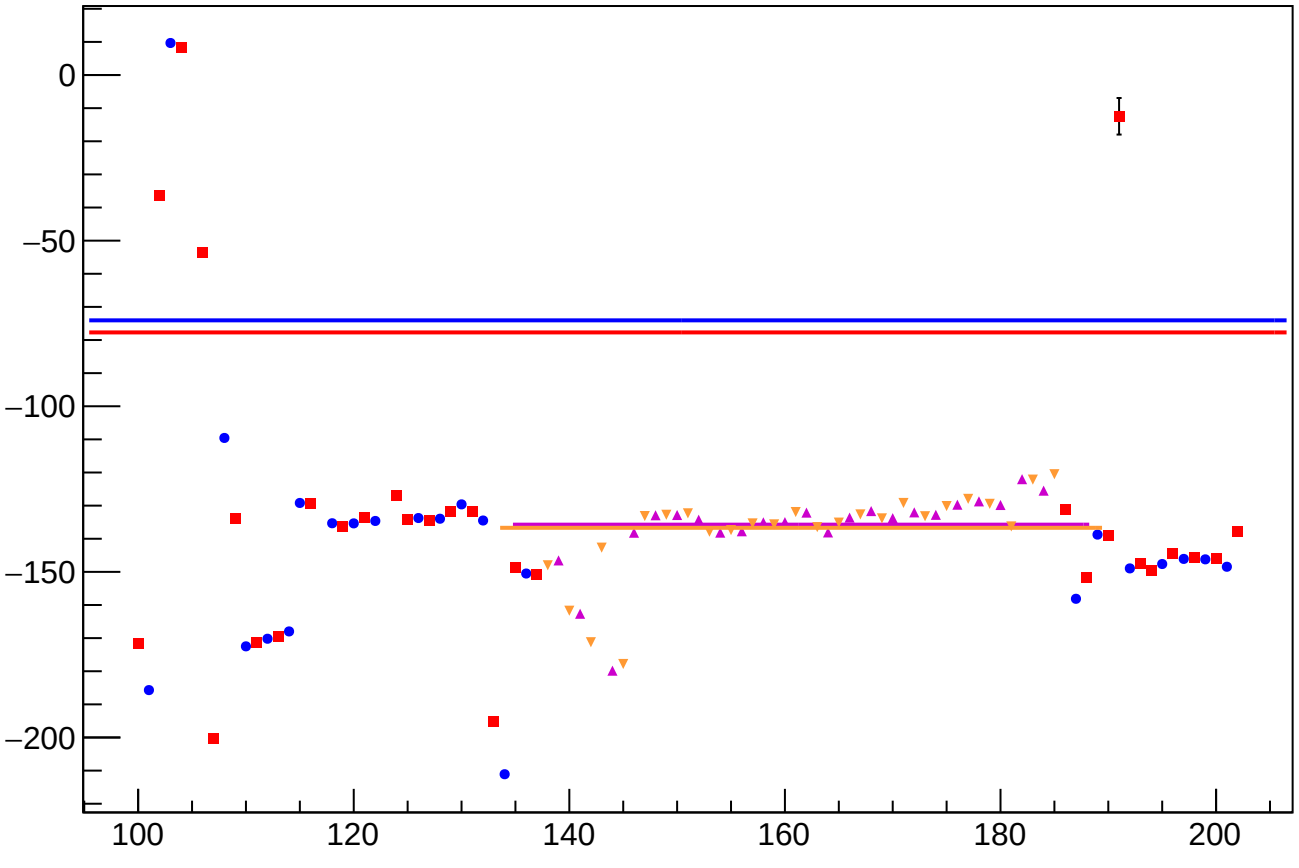
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 36.960+/-1.059 χ^2/NDF: 1012.9/51

In: 56.379+/-0.805 χ^2/NDF:1343.1/45

Out: 53.663+/-0.768 χ^2/NDF:1757.9/53

All: 54.957+/-0.555 χ^2/NDF: 3107.0/99



Right In: -74.061+/-0.066 χ^2/NDF: 1479669.0/22

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -77.707+/-0.065 χ^2/NDF: 1194220.2/28

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

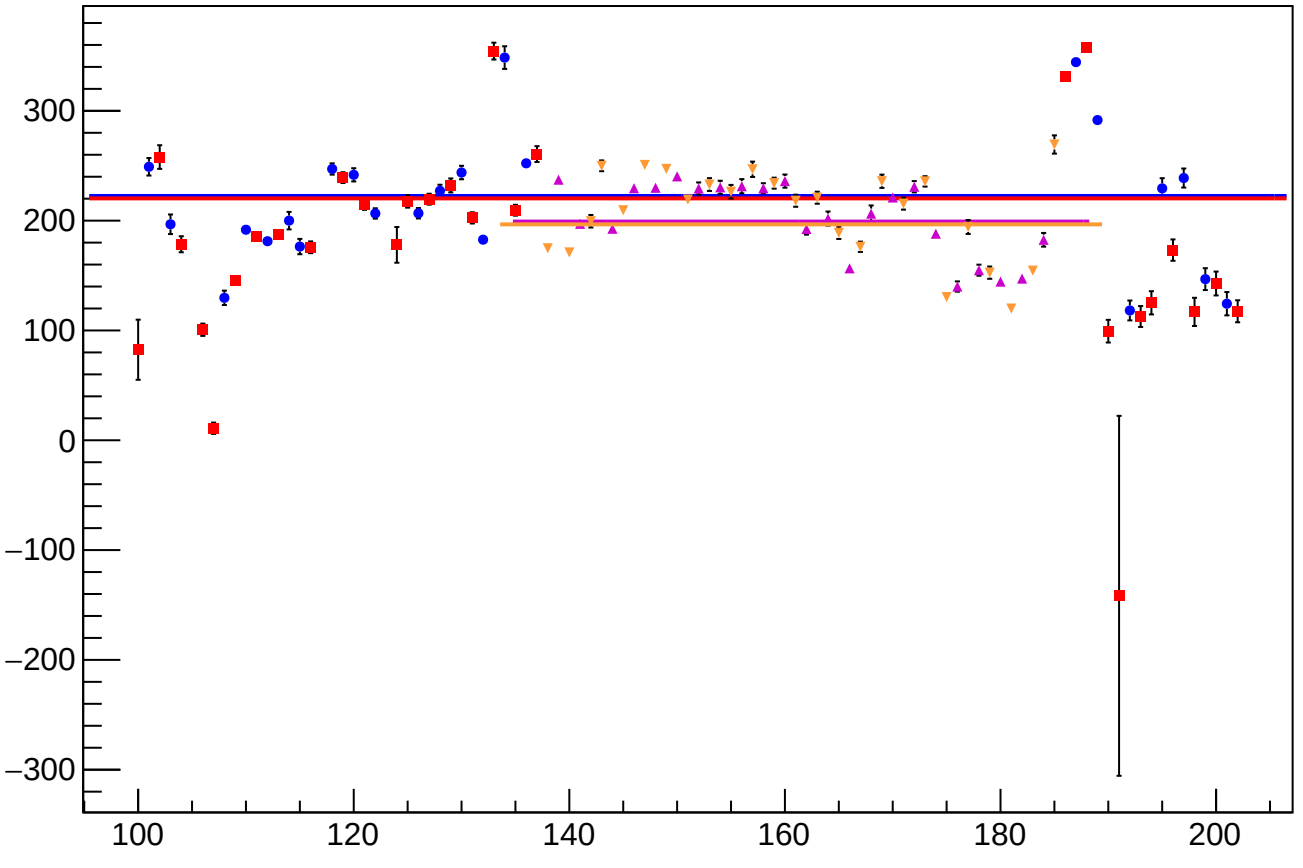
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -75.911+/-0.046 χ^2/NDF: 2675433.4/51

In: -117.511+/-0.036 χ^2/NDF:2157246.2/45

Out: -119.220+/-0.035 χ^2/NDF:1850783.6/53

All: -118.377+/-0.025 χ^2/NDF: 4009177.0/99



Right In: 222.452+/-1.156 χ^2/NDF: 2099.9/22

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 220.271+/-0.998 χ^2/NDF: 8089.5/28

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

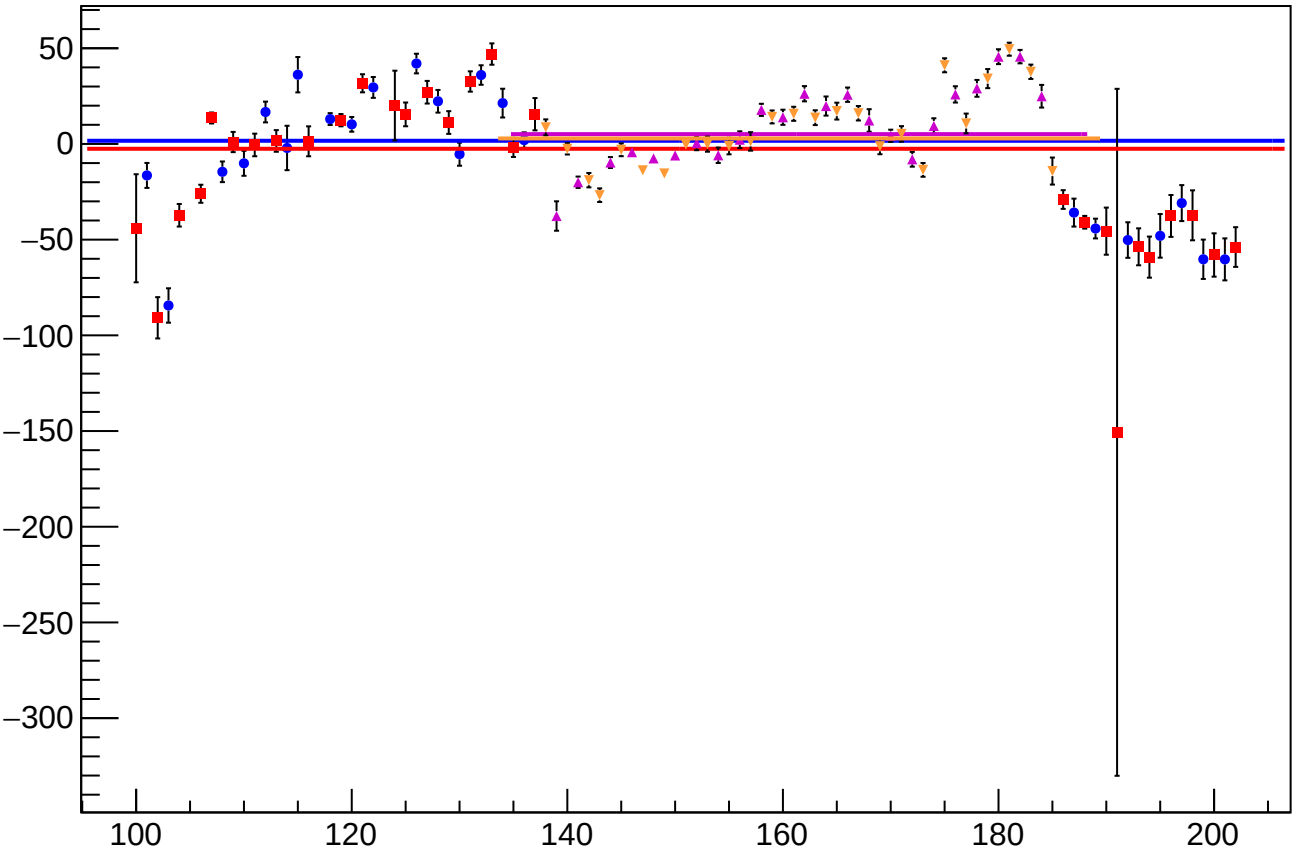
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 221.202+/-0.755 χ^2/NDF: 10191.4/51

In: 208.814+/-0.744 χ^2/NDF:3632.3/45

Out: 207.818+/-0.687 χ^2/NDF:10460.9/53

All: 208.276+/-0.505 χ^2/NDF: 14094.2/99



Right In: 1.659+/-1.224 χ^2/NDF: 541.4/22

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -2.523+/-1.080 χ^2/NDF: 701.2/28

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

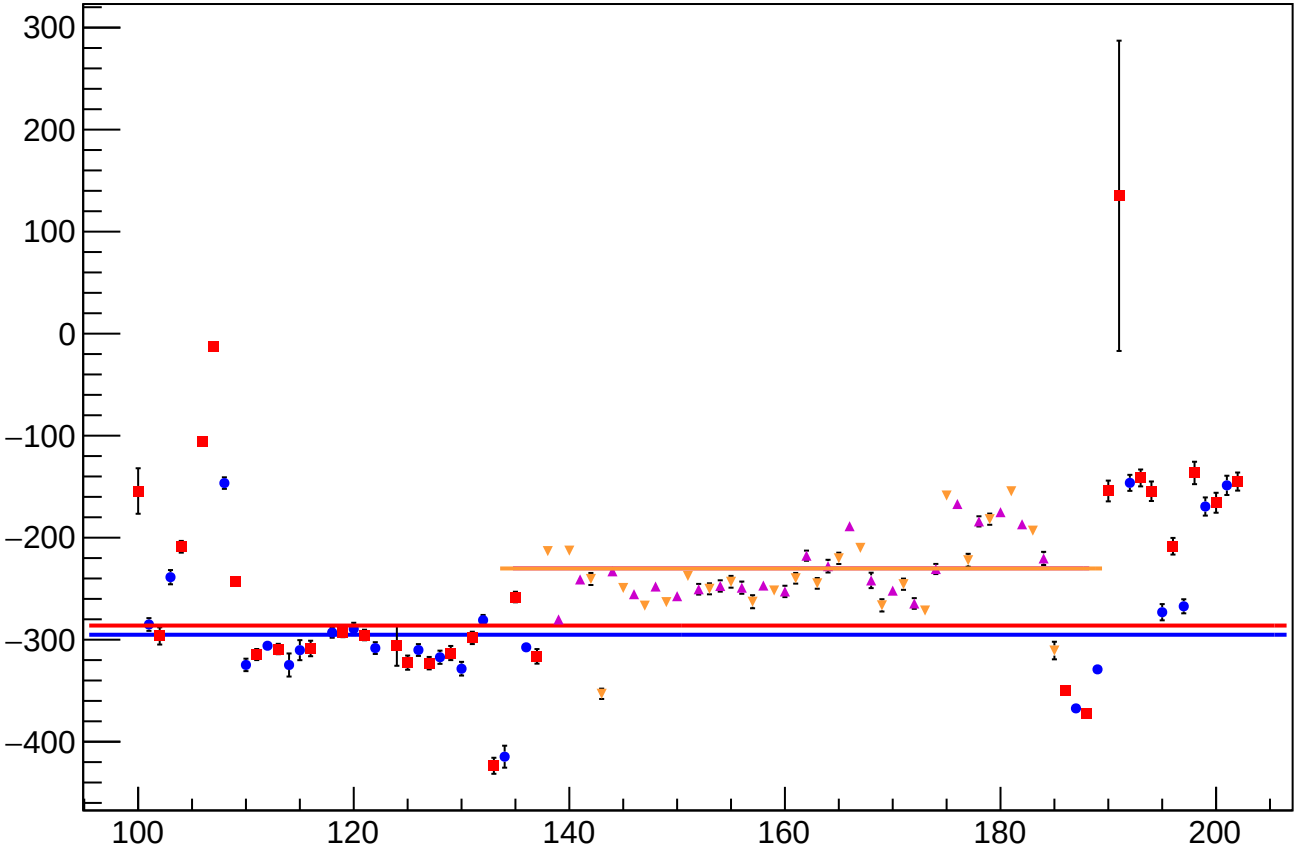
Right: -0.691+/-0.810 χ^2/NDF: 1249.2/51

In: 4.238+/-0.619 χ^2/NDF:1176.0/45

Out: 1.298+/-0.583 χ^2/NDF:1471.6/53

All: 2.680+/-0.425 χ^2/NDF: 2659.5/99

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -295.152+/-1.210 χ^2/NDF: 2269.9/22

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -286.135+/-1.006 χ^2/NDF: 9884.7/28

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

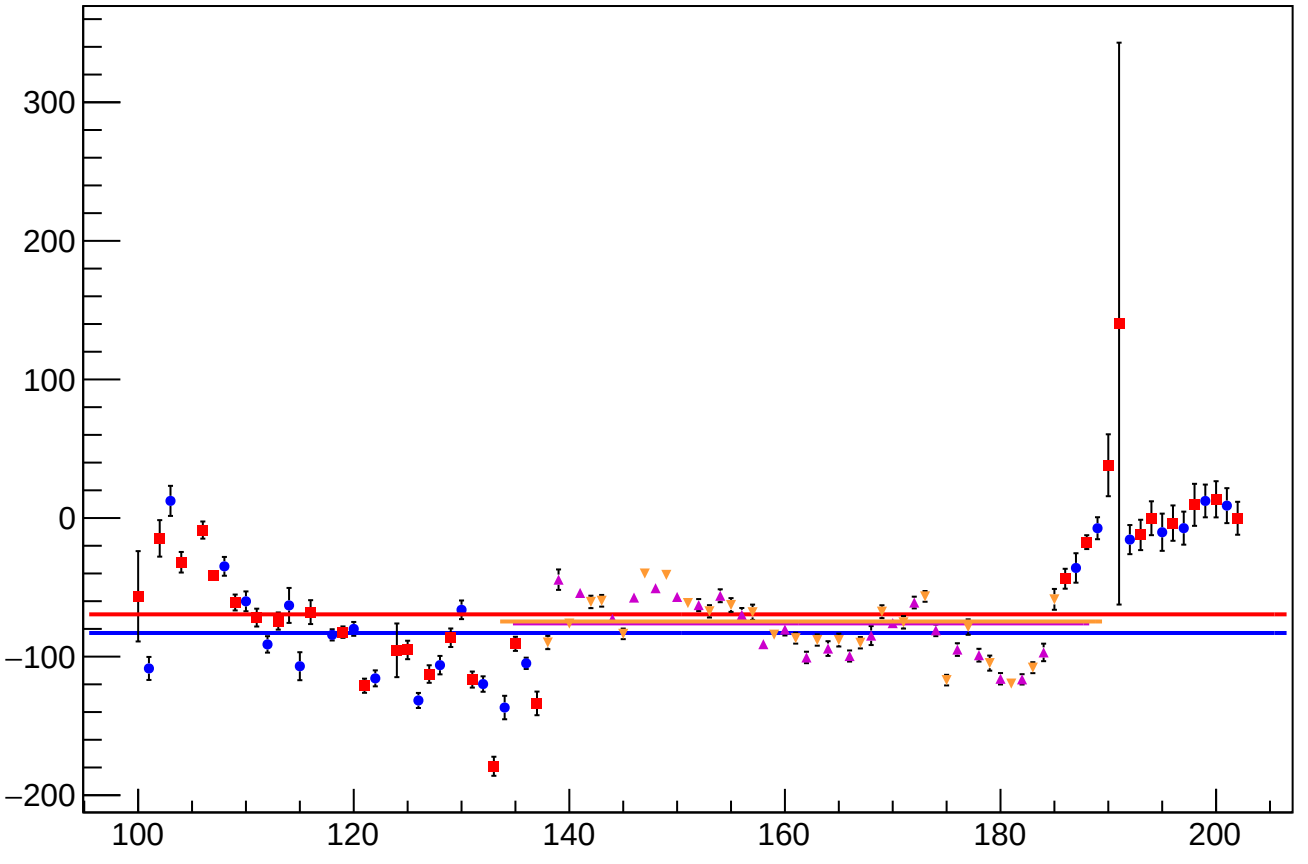
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -289.824+/-0.774 χ^2/NDF: 12187.5/51

In: -255.235+/-0.752 χ^2/NDF:5139.7/45

Out: -256.220+/-0.687 χ^2/NDF:13719.1/53

All: -255.773+/-0.507 χ^2/NDF: 18859.7/99



Right In: -82.946+/-1.436 χ^2/NDF: 740.4/22

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -69.499+/-1.298 χ^2/NDF: 1109.6/28

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

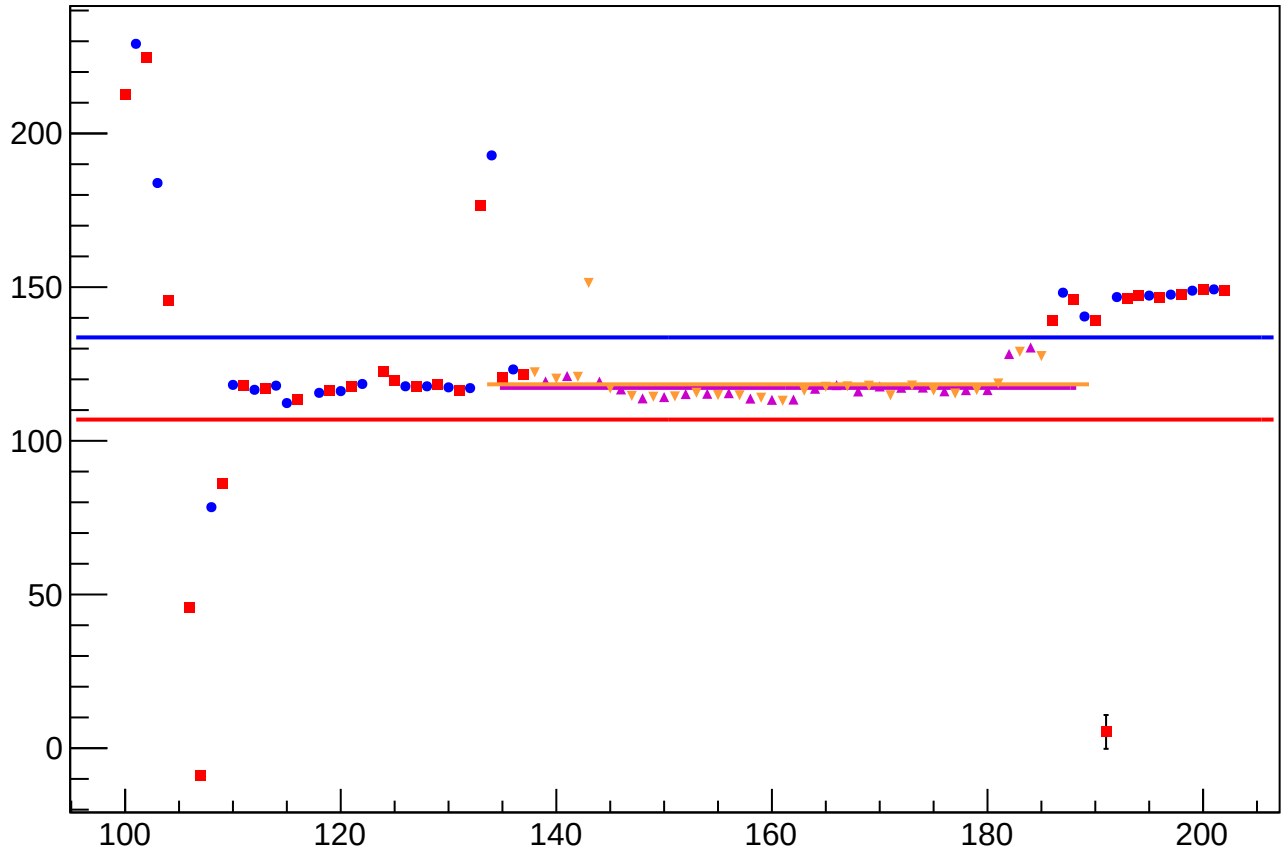
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -75.546+/-0.963 χ^2/NDF: 1898.2/51

In: -77.739+/-0.715 χ^2/NDF:1403.9/45

Out: -73.226+/-0.682 χ^2/NDF:1951.9/53

All: -75.375+/-0.493 χ^2/NDF: 3376.7/99



Right In: 133.648+/-0.076 χ^2/NDF: 195186.1/22

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 106.912+/-0.067 χ^2/NDF: 742894.1/28

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

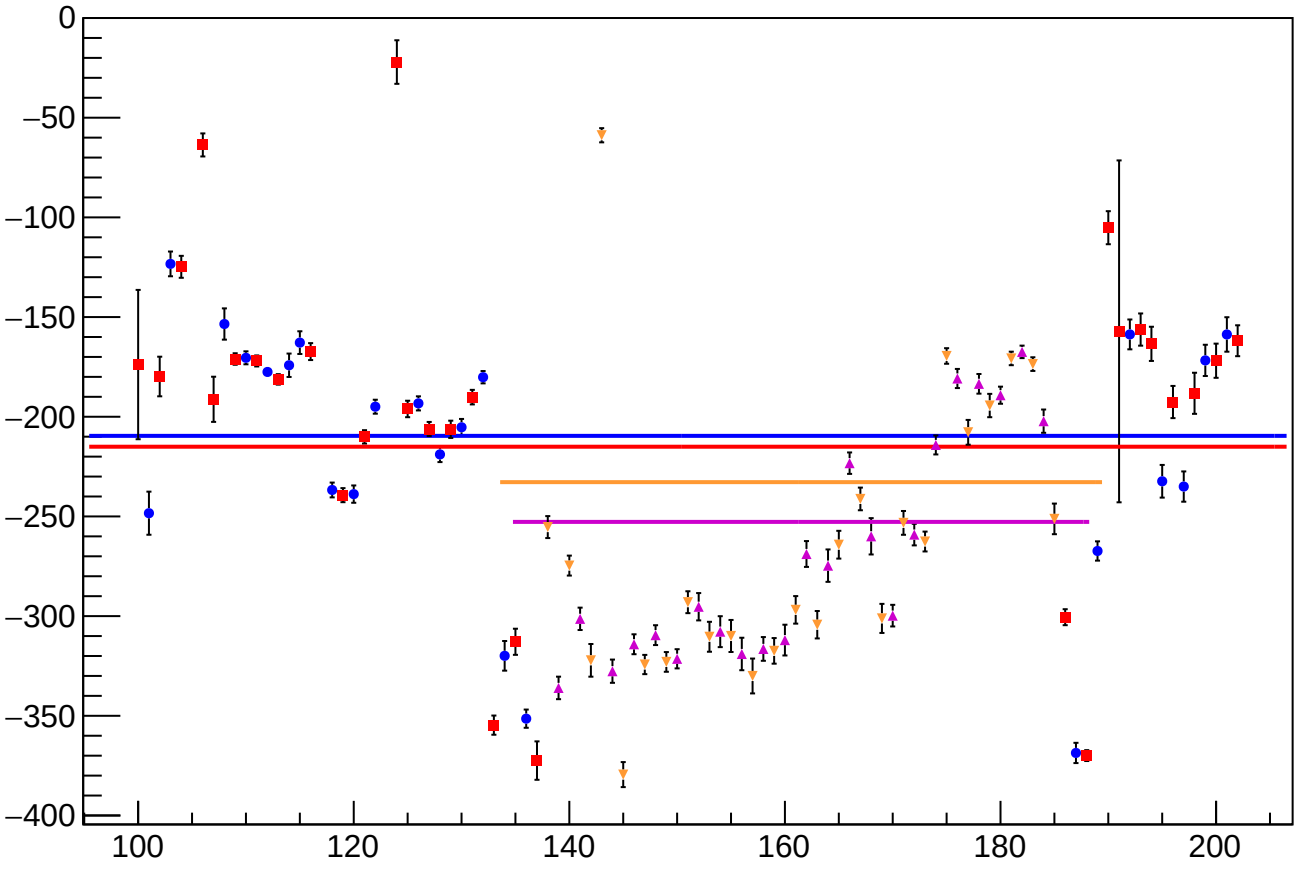
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 118.587+/-0.050 χ^2/NDF: 1007606.9/51

In: 120.448+/-0.034 χ^2/NDF:242844.1/45

Out: 115.671+/-0.033 χ^2/NDF:800210.6/53

All: 117.977+/-0.023 χ^2/NDF: 1053437.7/99



Right In: -209.584+/-0.947 χ^2/NDF: 3341.4/22

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -215.028+/-0.861 χ^2/NDF: 7530.2/28

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

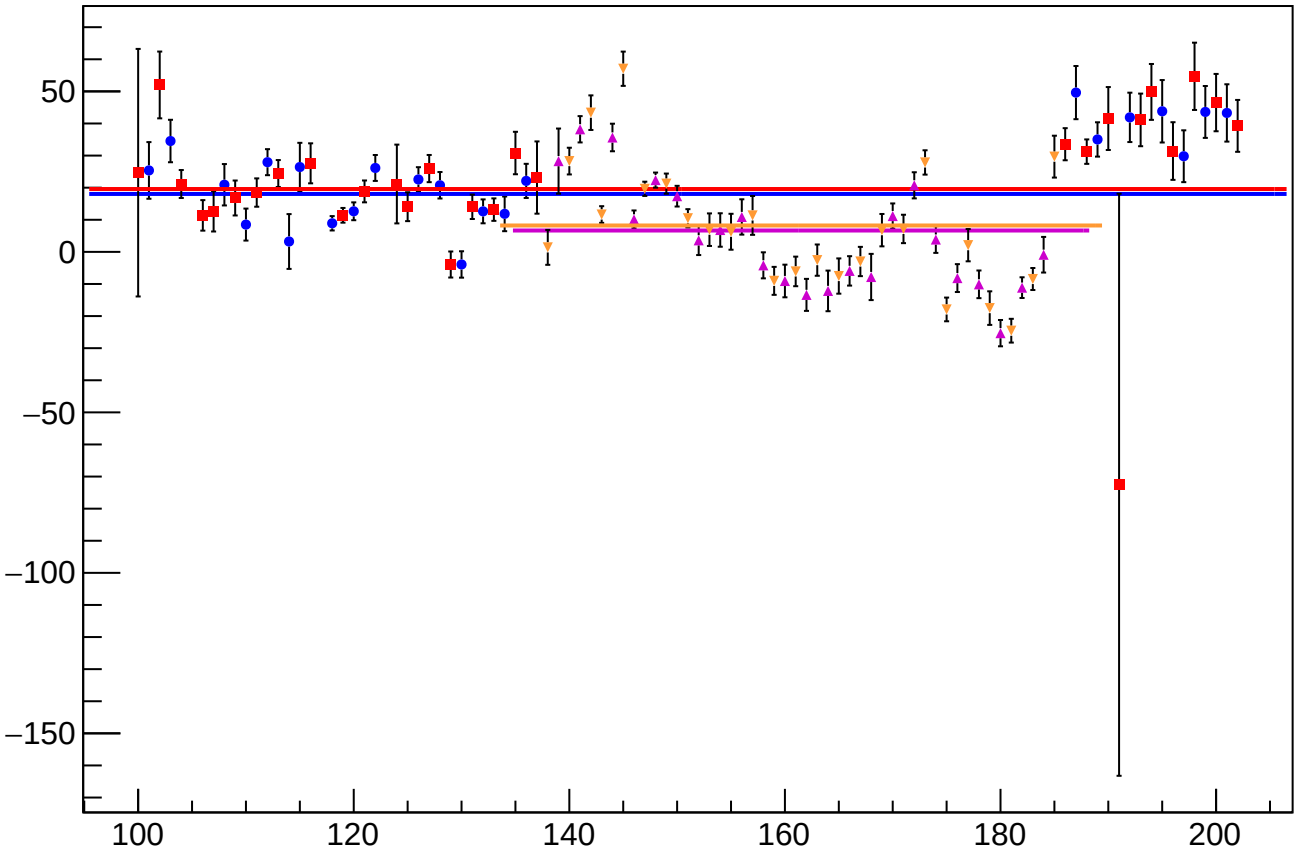
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -212.564+/-0.637 χ^2/NDF: 10889.7/51

In: -227.376+/-0.726 χ^2/NDF:7111.4/45

Out: -221.999+/-0.671 χ^2/NDF:13461.2/53

All: -224.477+/-0.493 χ^2/NDF: 20602.1/99



Right In: 18.048+/-0.985 χ^2/NDF: 141.2/22

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.584+/-0.942 χ^2/NDF: 146.1/28

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

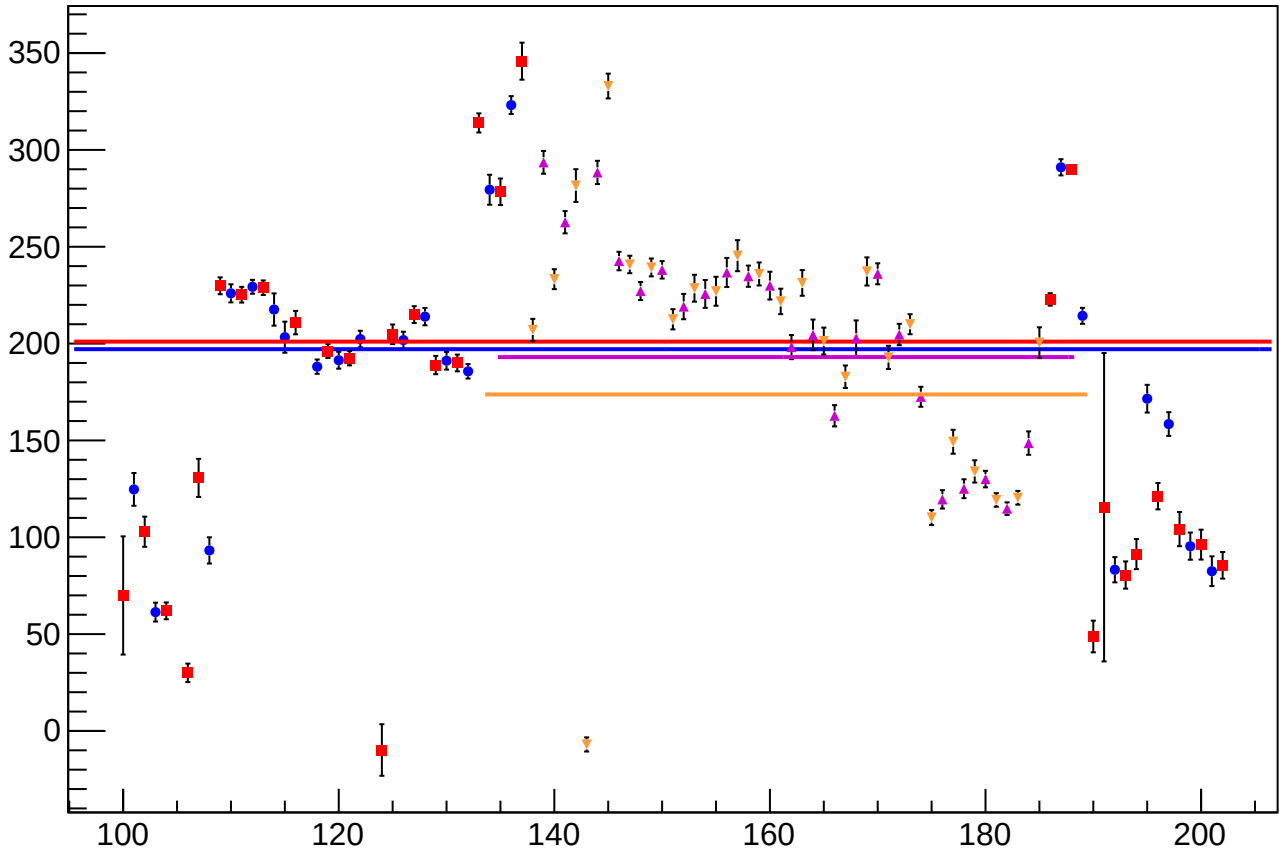
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 18.850+/-0.681 χ^2/NDF: 288.6/51

In: 11.574+/-0.647 χ^2/NDF:572.1/45

Out: 13.004+/-0.611 χ^2/NDF:688.3/53

All: 12.330+/-0.444 χ^2/NDF: 1263.0/99



Right In: 197.109+/-1.041 χ^2/NDF: 3422.1/22

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 201.012+/-0.919 χ^2/NDF: 7071.0/28

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

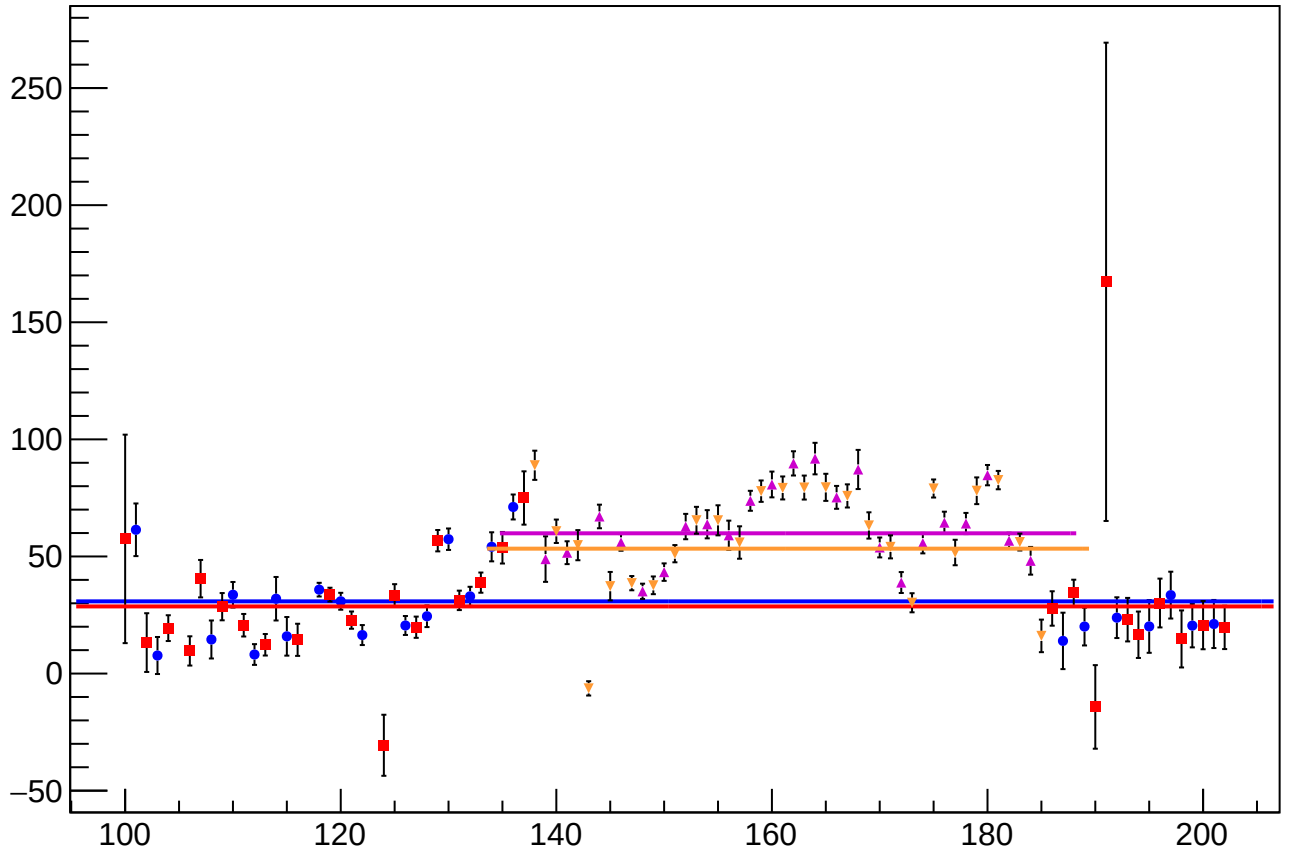
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 199.302+/-0.689 χ^2/NDF: 10501.0/51

In: 195.220+/-0.763 χ^2/NDF:5941.2/45

Out: 189.415+/-0.697 χ^2/NDF:12705.6/53

All: 192.055+/-0.515 χ^2/NDF: 18678.4/99



Right In: 30.831+/-1.155 χ^2/NDF: 185.1/22

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.666+/-1.111 χ^2/NDF: 154.5/28

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

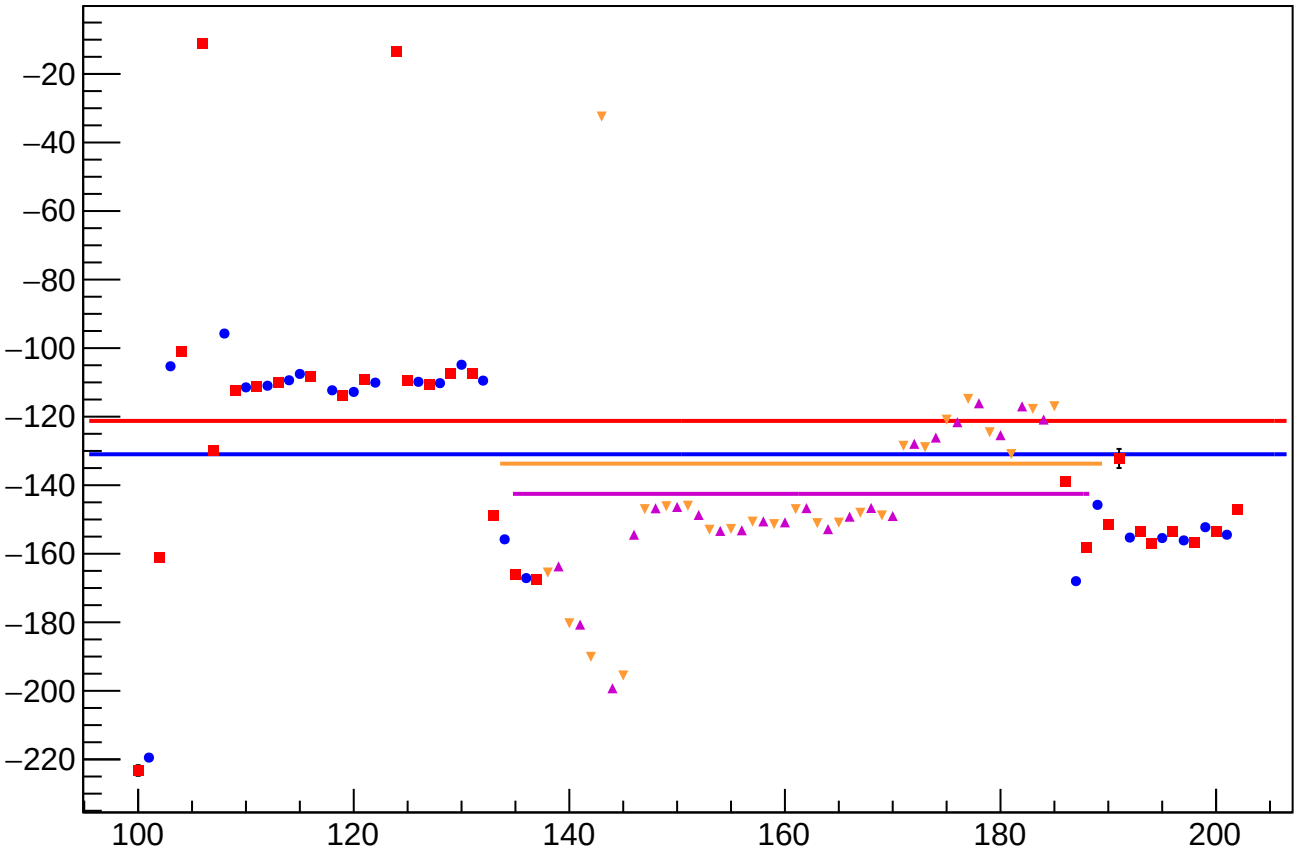
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 29.707+/-0.800 χ^2/NDF: 341.5/51

In: 47.766+/-0.746 χ^2/NDF:805.4/45

Out: 43.273+/-0.709 χ^2/NDF:1225.5/53

All: 45.407+/-0.514 χ^2/NDF: 2049.9/99



Right In: -130.971+/-0.066 χ^2/NDF: 170891.1/22

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.235+/-0.061 χ^2/NDF: 489683.2/28

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

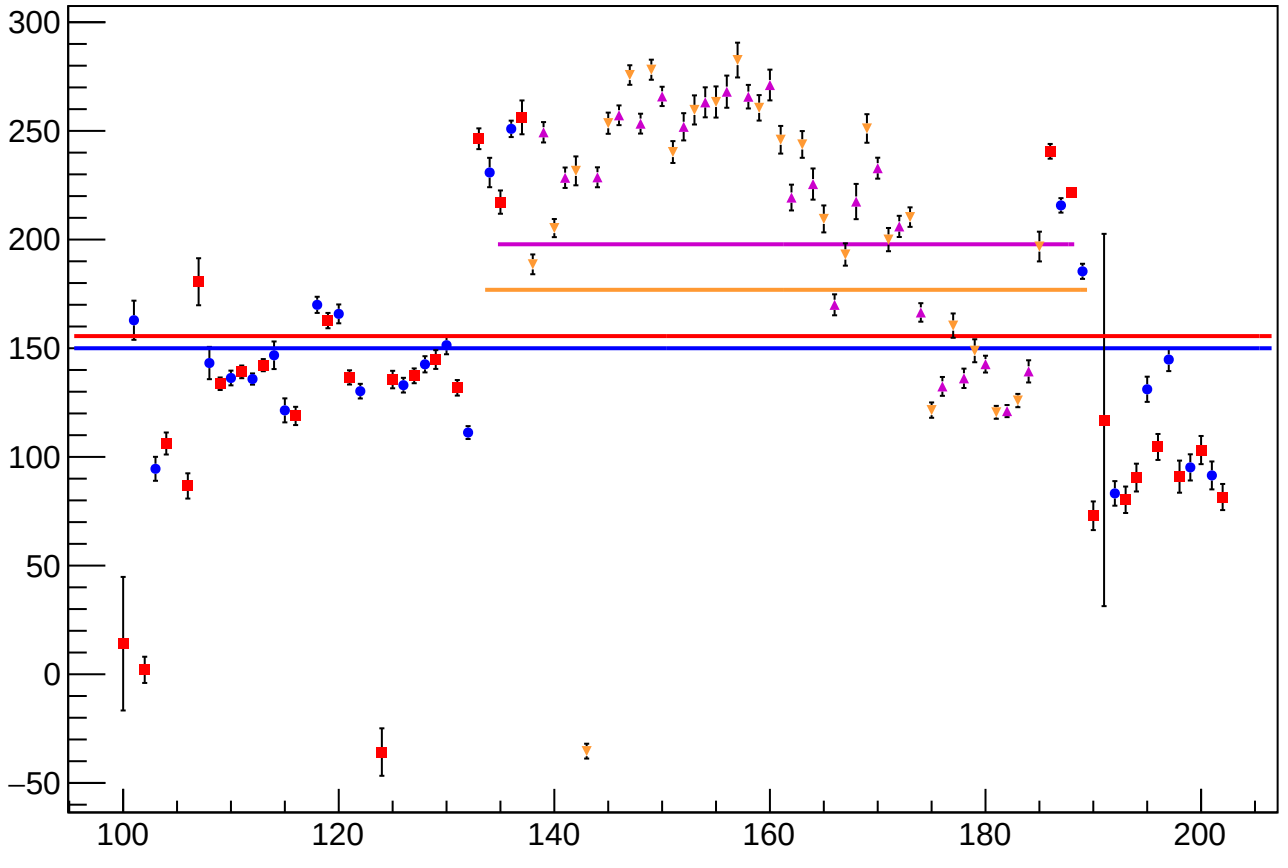
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -125.713+/-0.045 χ^2/NDF: 672193.5/51

In: -138.947+/-0.037 χ^2/NDF:370277.3/45

Out: -129.613+/-0.035 χ^2/NDF:1193463.6/53

All: -134.045+/-0.025 χ^2/NDF: 1597320.3/99



Right In: 149.999+/-0.872 χ^2/NDF: 2120.5/22

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 155.589+/-0.776 χ^2/NDF: 4994.5/28

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

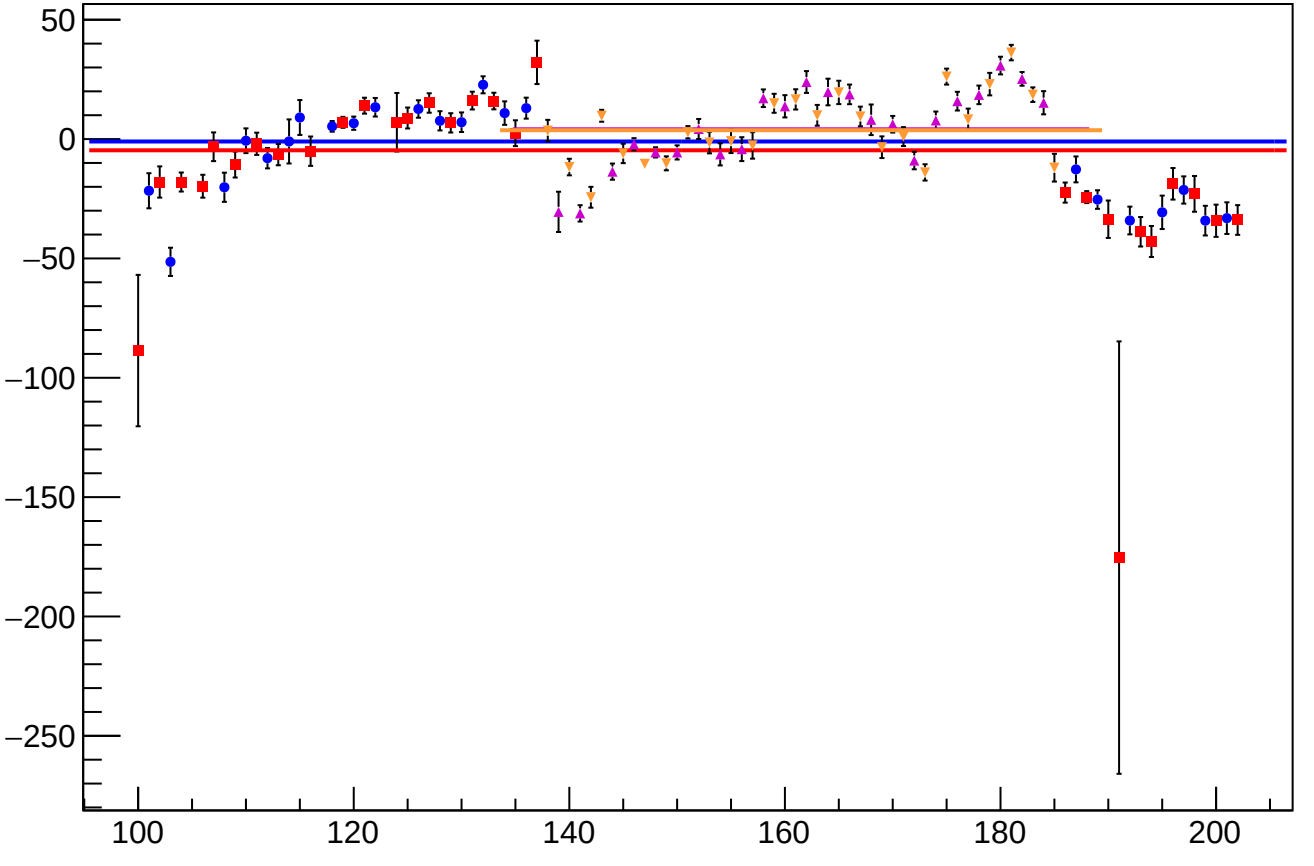
Right: 153.118+/-0.580 χ^2/NDF: 7137.8/51

In: 170.522+/-0.659 χ^2/NDF:6378.6/45

Out: 164.036+/-0.603 χ^2/NDF:12717.6/53

All: 166.992+/-0.445 χ^2/NDF: 19148.9/99

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.009+/-0.917 χ^2/NDF: 365.7/22

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -4.695+/-0.862 χ^2/NDF: 431.2/28

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

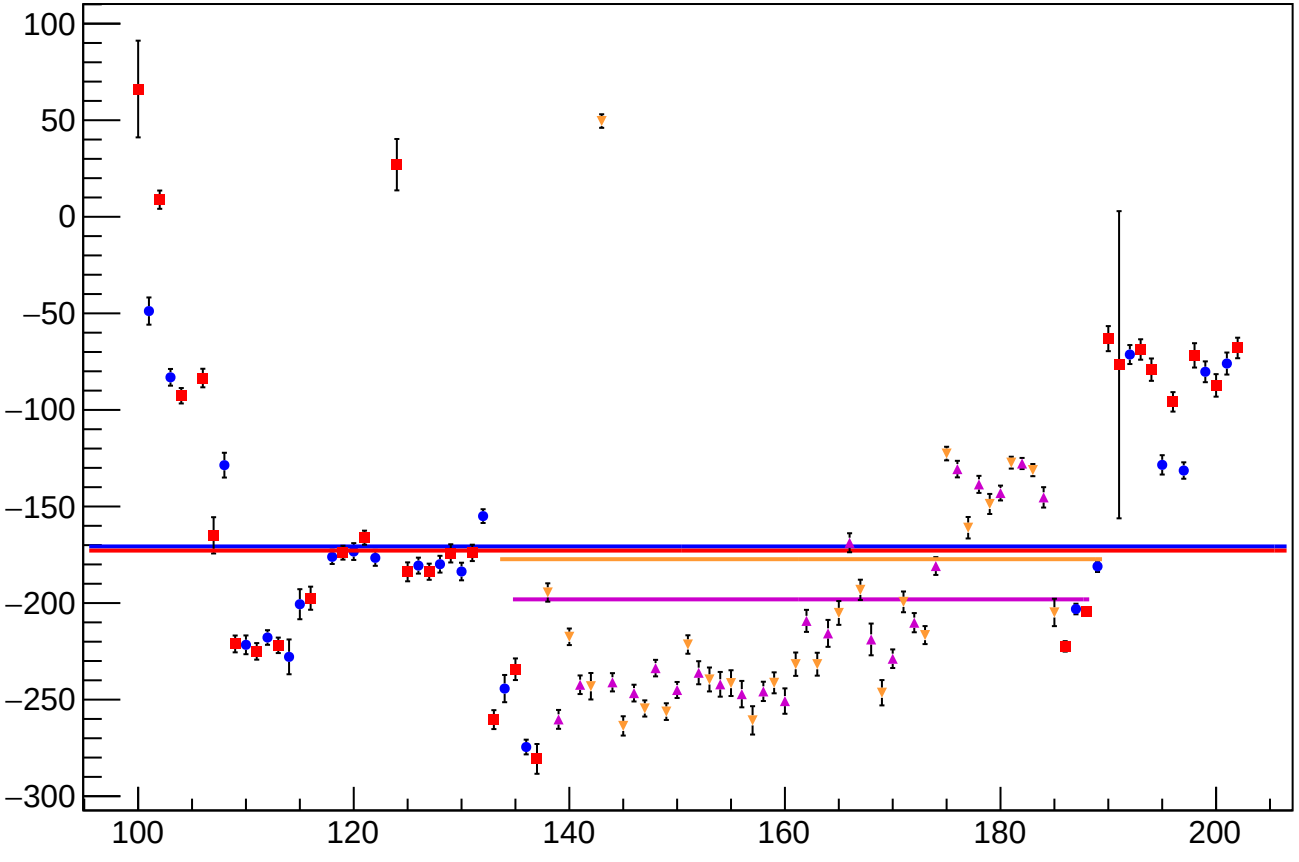
Right: -2.967+/-0.628 χ^2/NDF: 805.4/51

In: 1.993+/-0.589 χ^2/NDF:782.9/45

Out: 0.233+/-0.554 χ^2/NDF:887.9/53

All: 1.059+/-0.404 χ^2/NDF: 1675.5/99

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -170.688+/-0.911 χ^2/NDF: 3240.4/22

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -172.829+/-0.778 χ^2/NDF: 6488.1/28

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

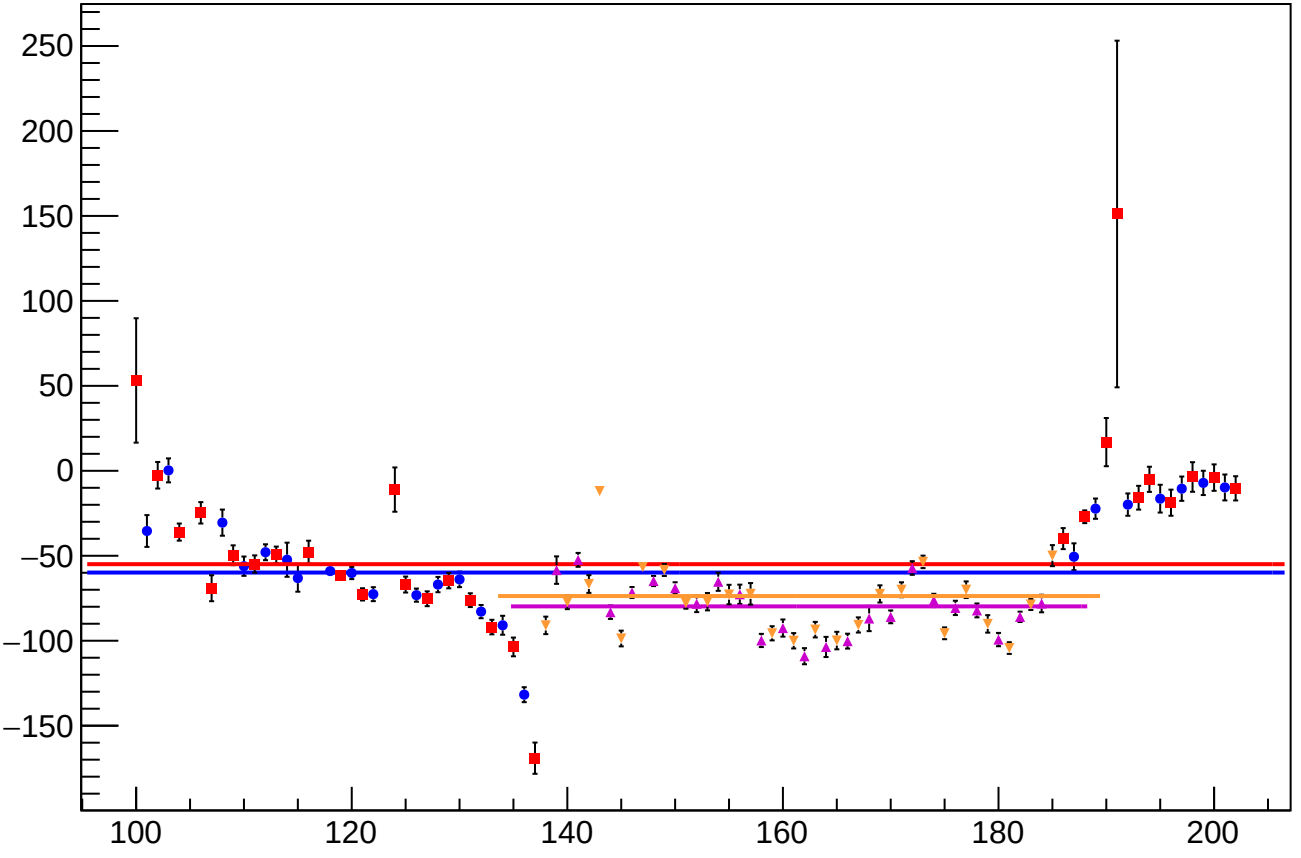
Right: -171.926+/-0.592 χ^2/NDF: 9731.6/51

In: -183.118+/-0.674 χ^2/NDF:6036.7/45

Out: -174.603+/-0.603 χ^2/NDF:13541.1/53

All: -178.395+/-0.449 χ^2/NDF: 19666.5/99

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -59.873+/-1.081 χ^2/NDF: 710.2/22

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -54.944+/-1.030 χ^2/NDF: 811.4/28

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

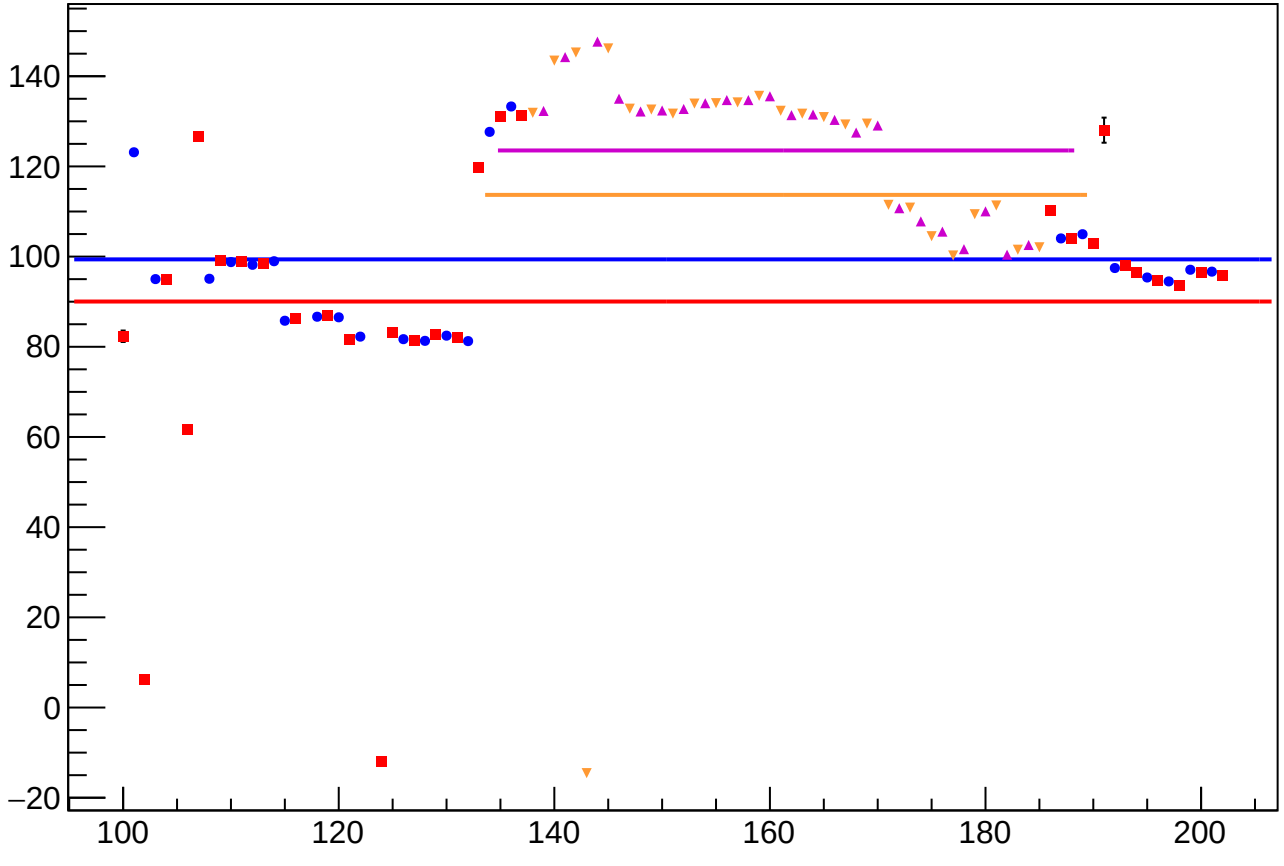
Right: -57.290+/-0.746 χ^2/NDF: 1532.5/51

In: -71.910+/-0.680 χ^2/NDF:1192.3/45

Out: -66.336+/-0.646 χ^2/NDF:1852.3/53

All: -68.981+/-0.468 χ^2/NDF: 3080.0/99

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.384+/-0.058 χ^2/NDF: 69251.7/22

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.037+/-0.052 χ^2/NDF: 283557.3/28

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

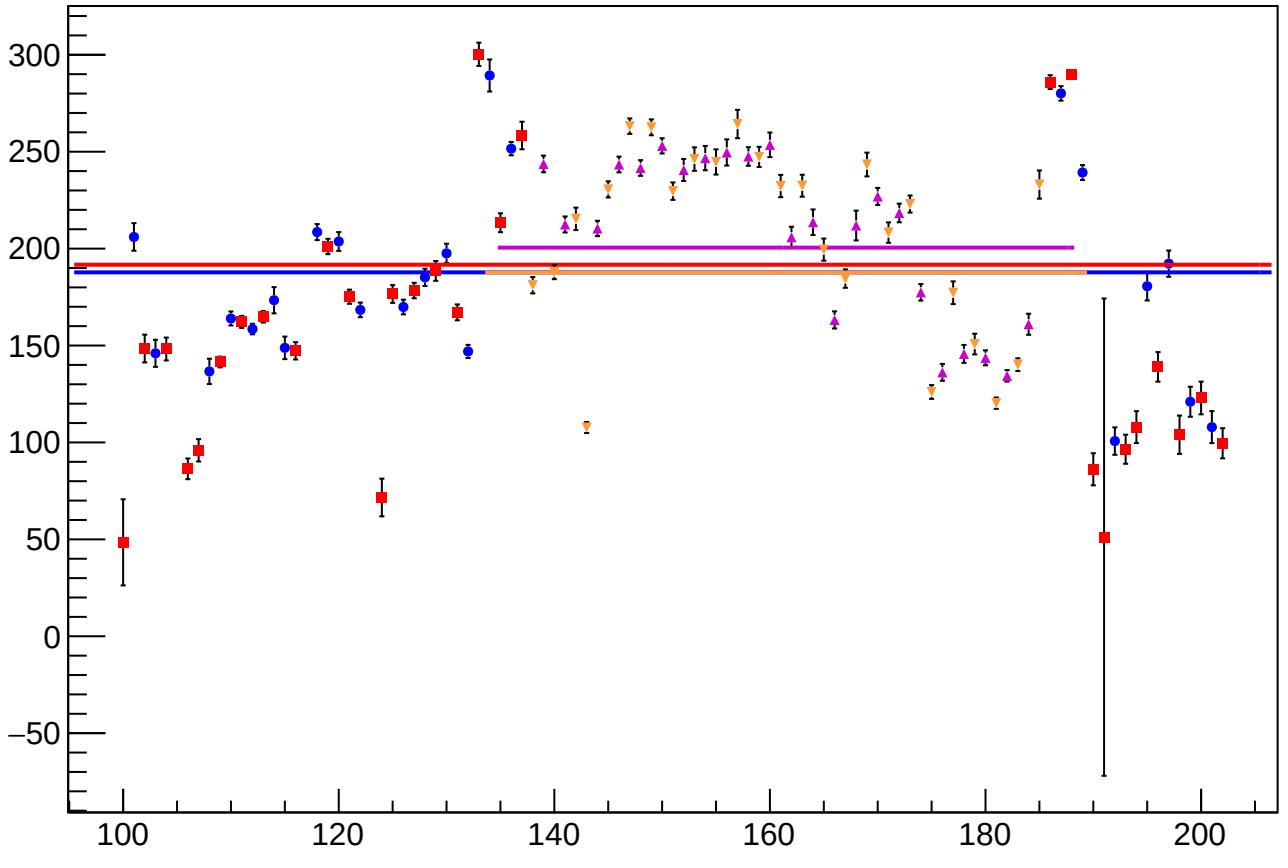
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

Right: 94.282+/-0.039 χ^2/NDF: 367230.8/51

In: 115.764+/-0.033 χ^2/NDF:323507.0/45

Out: 105.446+/-0.031 χ^2/NDF:1379168.5/53

All: 110.335+/-0.022 χ^2/NDF: 1755297.9/99



Right In: 187.756+/-0.966 χ^2/NDF: 2142.4/22

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 191.687+/-0.846 χ^2/NDF: 5972.2/28

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

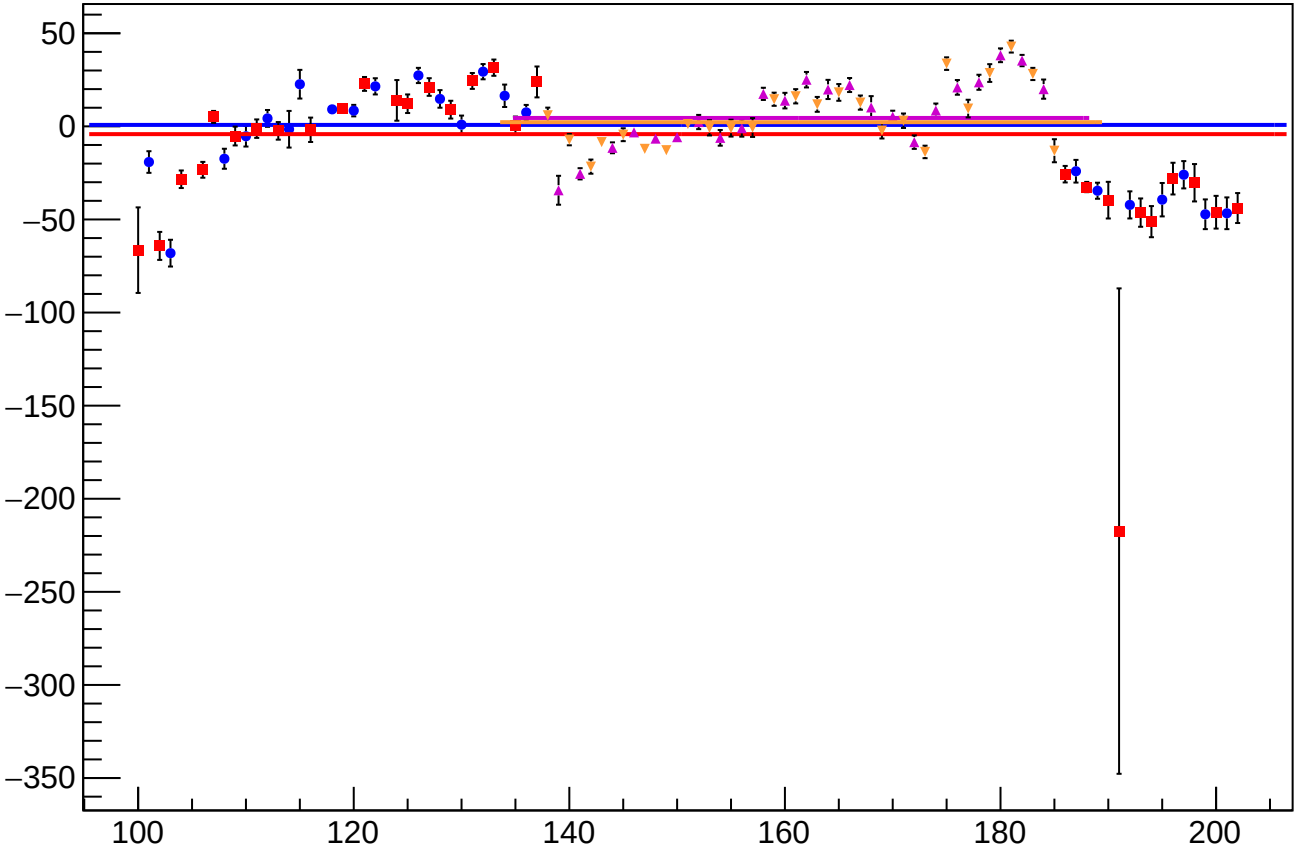
Right: 189.981+/-0.636 χ^2/NDF: 8124.0/51

In: 194.209+/-0.679 χ^2/NDF:4342.2/45

Out: 189.803+/-0.616 χ^2/NDF:9511.1/53

All: 191.790+/-0.456 χ^2/NDF: 13876.4/99

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.776+/-1.017 χ^2/NDF: 493.5/22

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.177+/-0.927 χ^2/NDF: 650.9/28

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

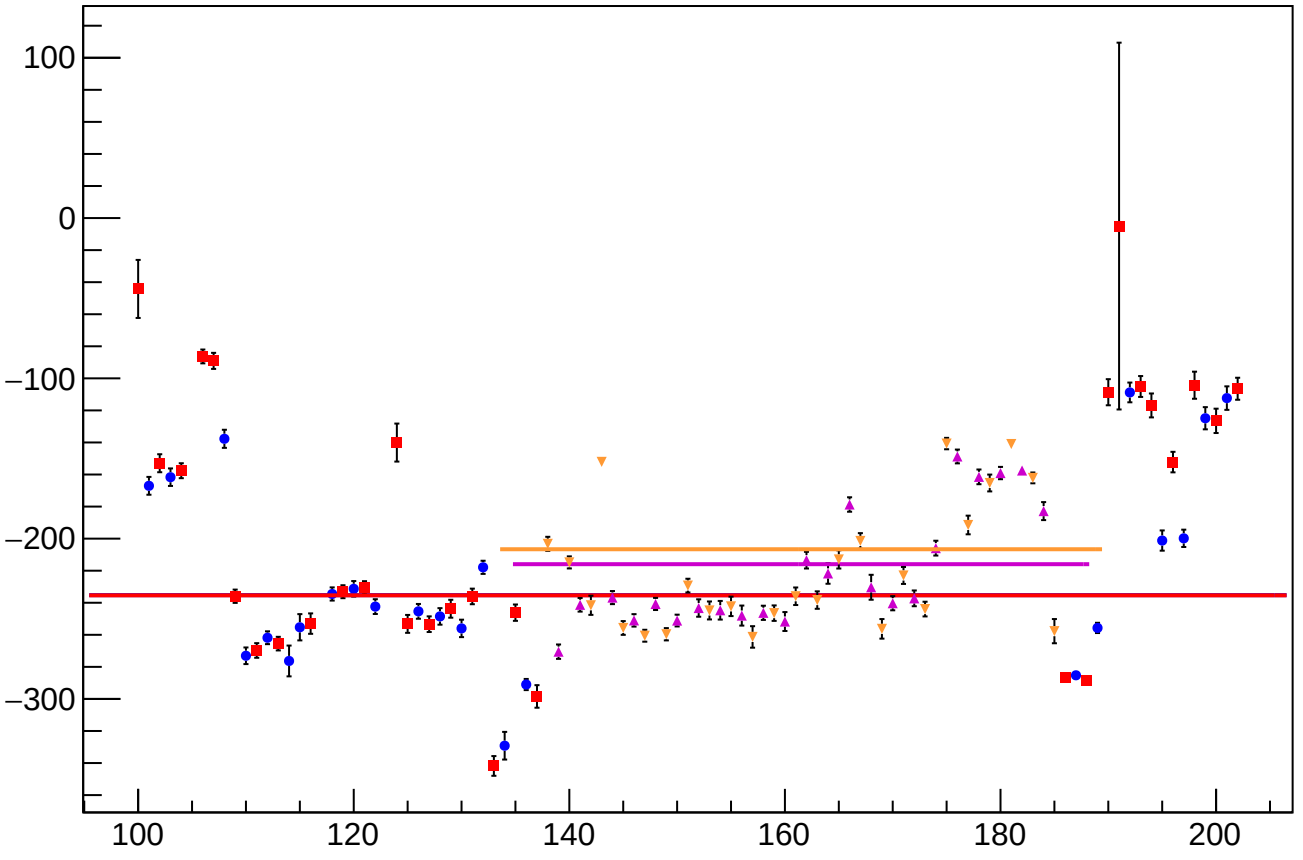
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -1.928+/-0.685 χ^2/NDF: 1157.3/51

In: 3.278+/-0.584 χ^2/NDF:1049.6/45

Out: 0.066+/-0.540 χ^2/NDF:1283.5/53

All: 1.546+/-0.397 χ^2/NDF: 2349.4/99



Right In: -235.258+/-1.014 χ^2/NDF: 2506.9/22

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -235.373+/-0.853 χ^2/NDF: 6555.9/28

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

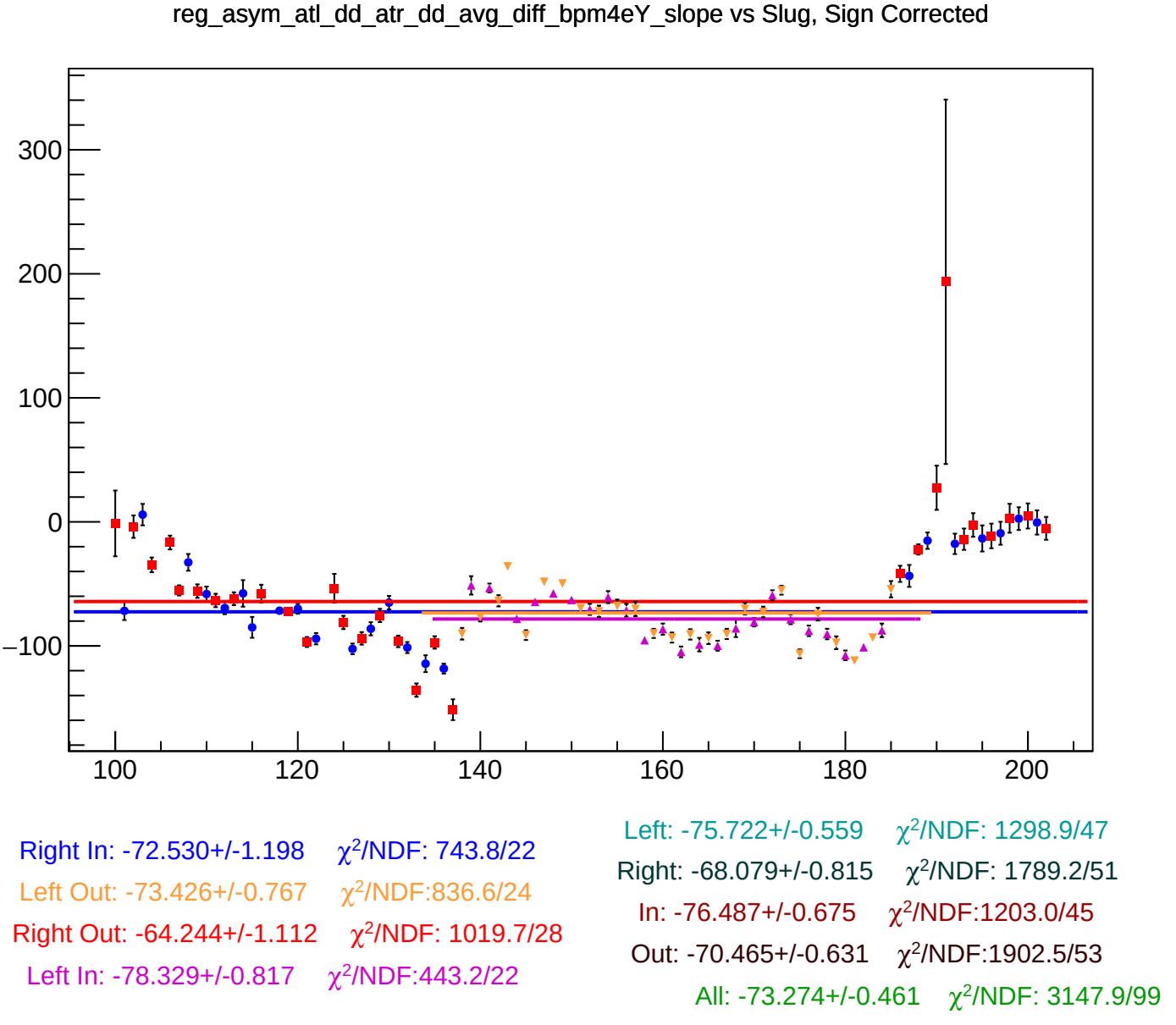
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

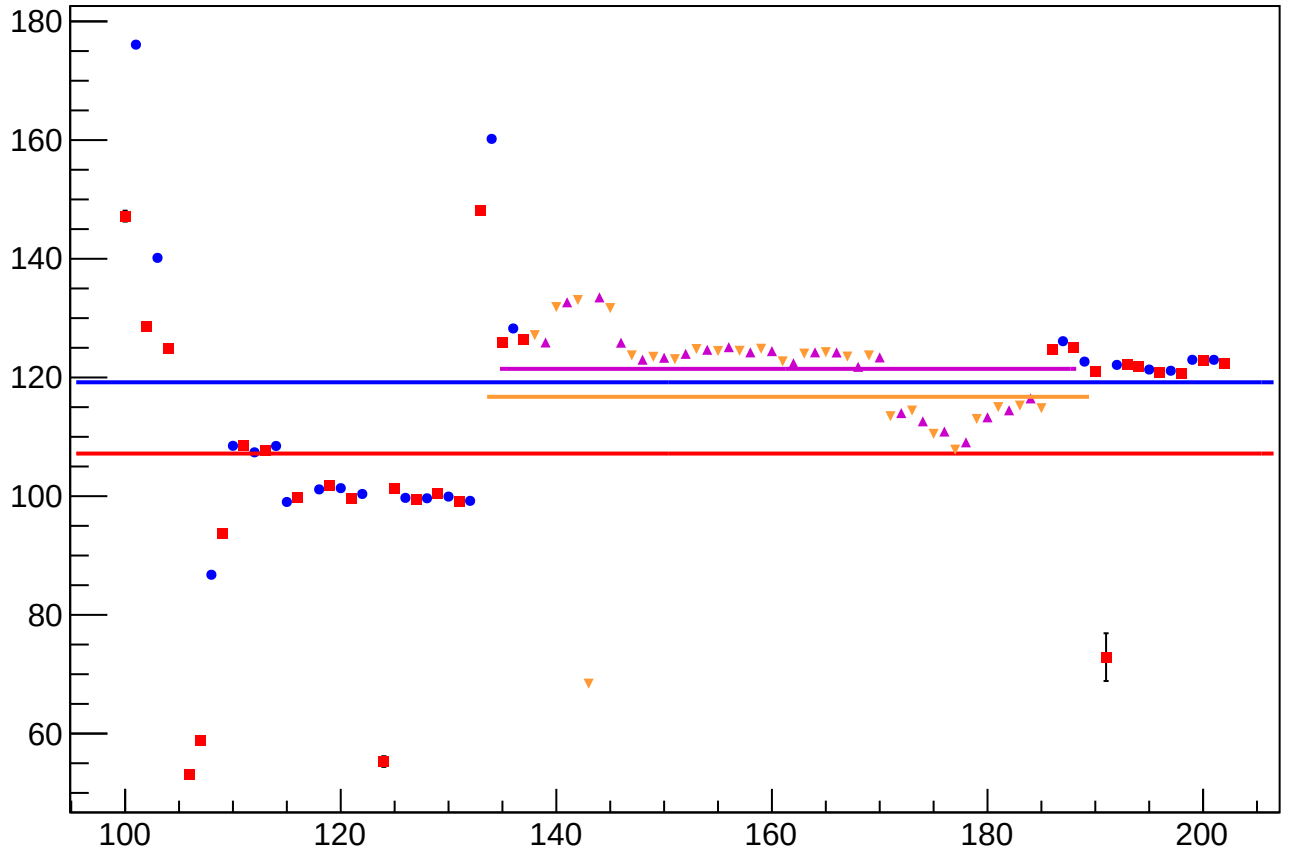
Right: -235.325+/-0.653 χ^2/NDF: 9062.8/51

In: -224.933+/-0.692 χ^2/NDF:4413.0/45

Out: -221.683+/-0.617 χ^2/NDF:9564.9/53

All: -223.124+/-0.461 χ^2/NDF: 13990.2/99


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
Right In: -72.530+/-1.198 χ²/NDF: 743.8/22
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -64.244+/-1.112 χ²/NDF: 1019.7/28
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -68.079+/-0.815 χ²/NDF: 1789.2/51
In: -76.487+/-0.675 χ²/NDF:1203.0/45
Out: -70.465+/-0.631 χ²/NDF:1902.5/53
All: -73.274+/-0.461 χ²/NDF: 3147.9/99



Right In: 119.191+/-0.065 χ^2/NDF: 96693.4/22

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.182+/-0.058 χ^2/NDF: 201853.6/28

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

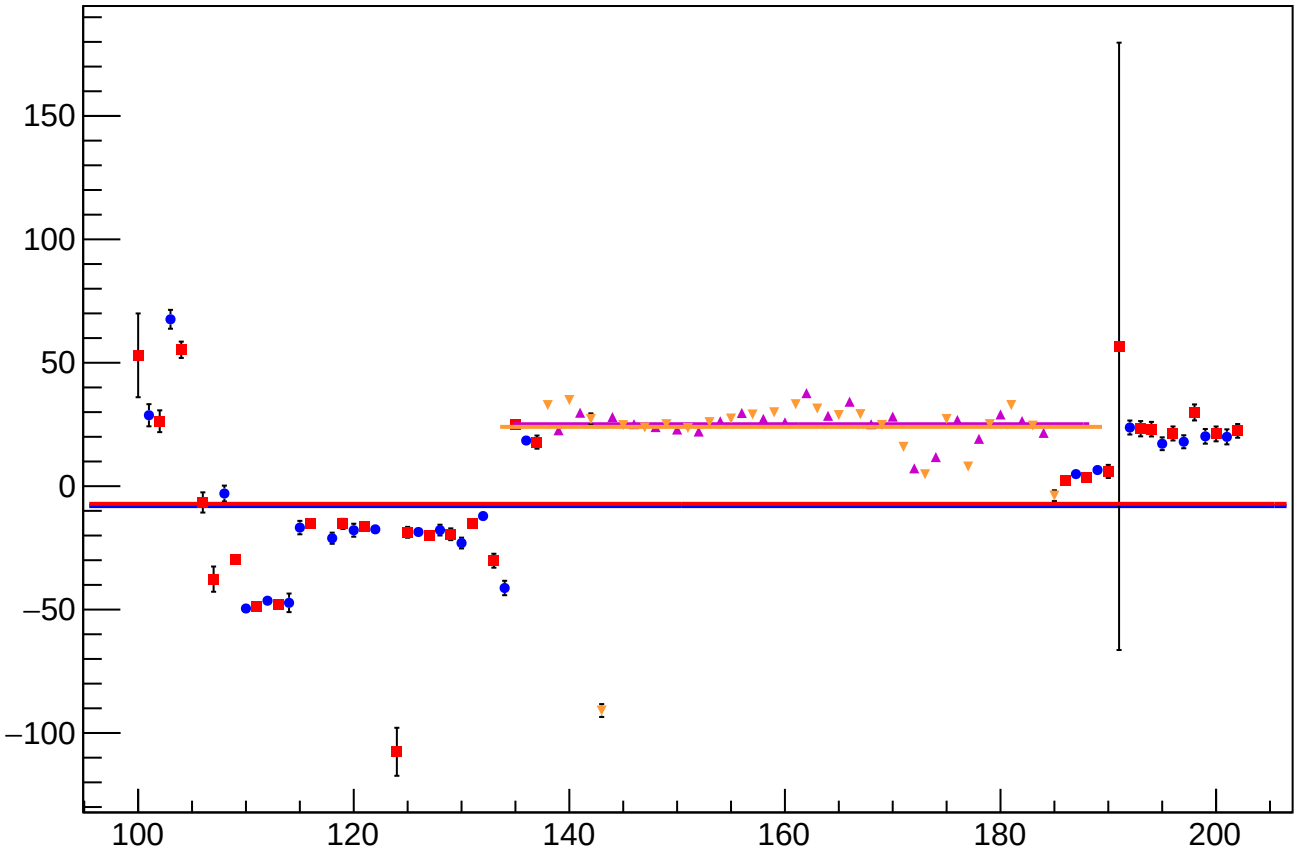
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 112.485+/-0.043 χ^2/NDF: 317770.1/51

In: 120.891+/-0.032 χ^2/NDF:126408.5/45

Out: 114.072+/-0.030 χ^2/NDF:425382.5/53

All: 117.277+/-0.022 χ^2/NDF: 575420.1/99



Right In: -8.078+/-0.464 χ^2/NDF: 2909.9/22

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -7.154+/-0.411 χ^2/NDF: 3352.3/28

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

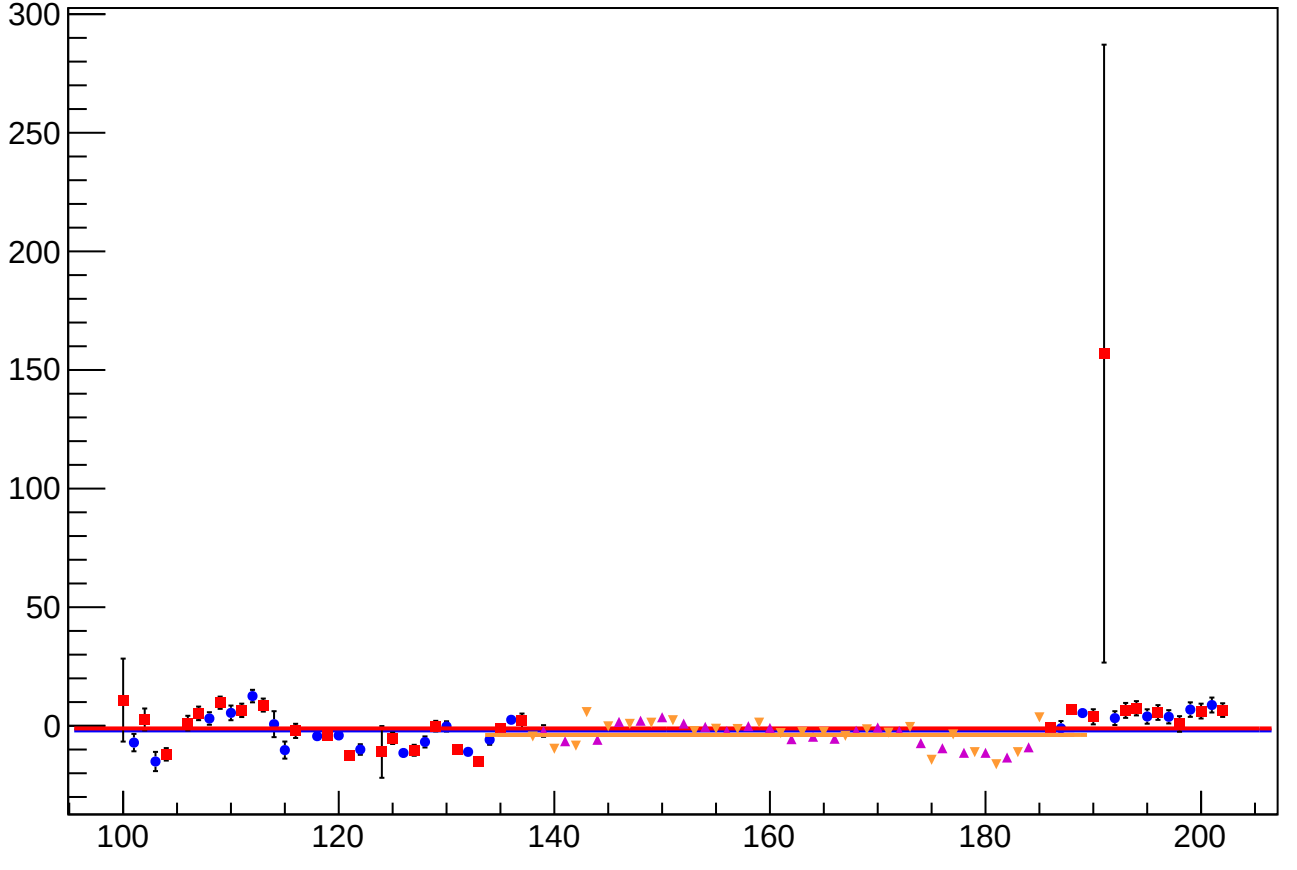
Right: -7.560+/-0.308 χ^2/NDF: 6264.4/51

In: 15.916+/-0.244 χ^2/NDF:7093.6/45

Out: 14.050+/-0.233 χ^2/NDF:10064.8/53

All: 14.937+/-0.168 χ^2/NDF: 17189.0/99

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.939+/-0.490 χ^2/NDF: 176.7/22

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.106+/-0.459 χ^2/NDF: 248.4/28

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

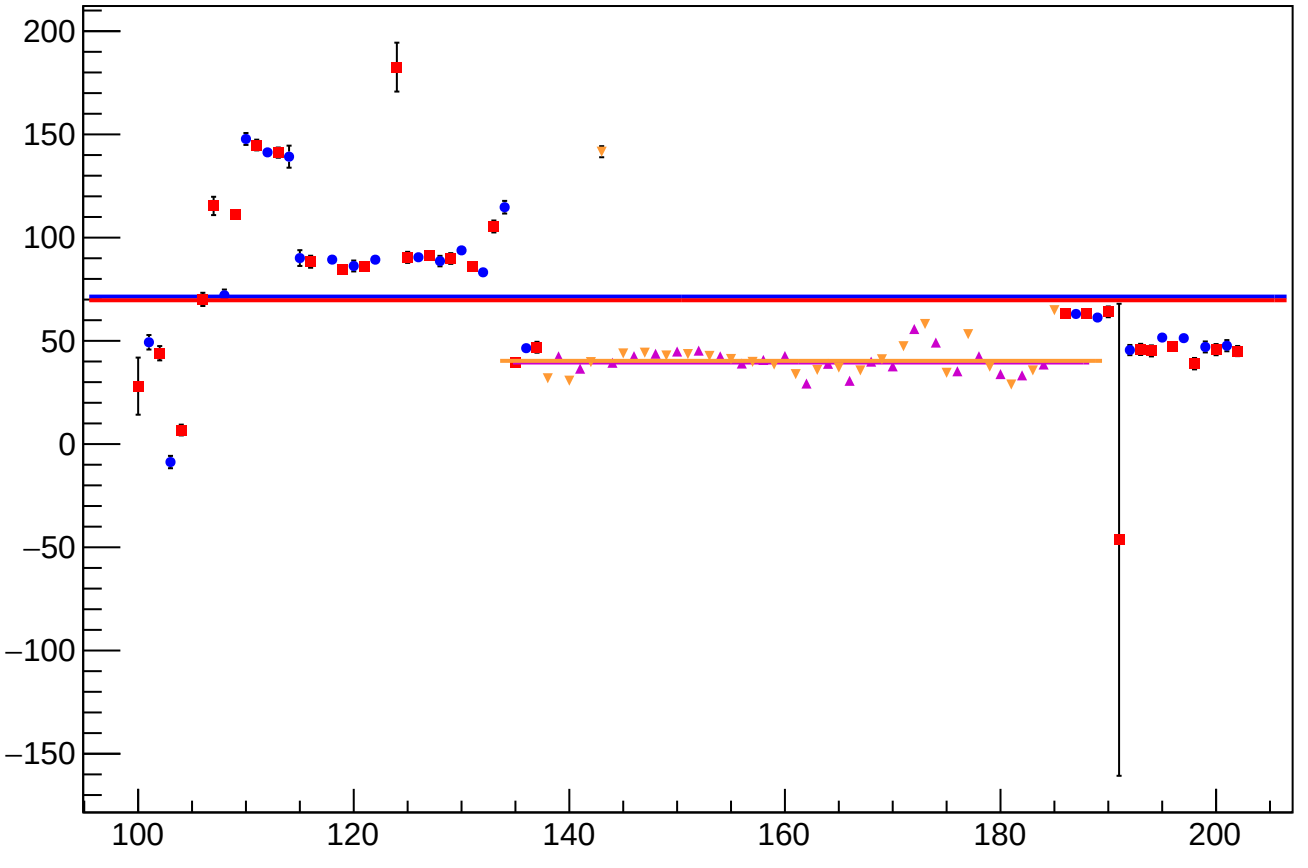
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -1.496+/-0.335 χ^2/NDF: 426.7/51

In: -3.462+/-0.203 χ^2/NDF:698.3/45

Out: -3.342+/-0.197 χ^2/NDF:926.8/53

All: -3.400+/-0.141 χ^2/NDF: 1625.2/99



Right In: 71.439+/-0.479 χ^2/NDF: 3993.7/22

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 69.657+/-0.407 χ^2/NDF: 4406.2/28

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

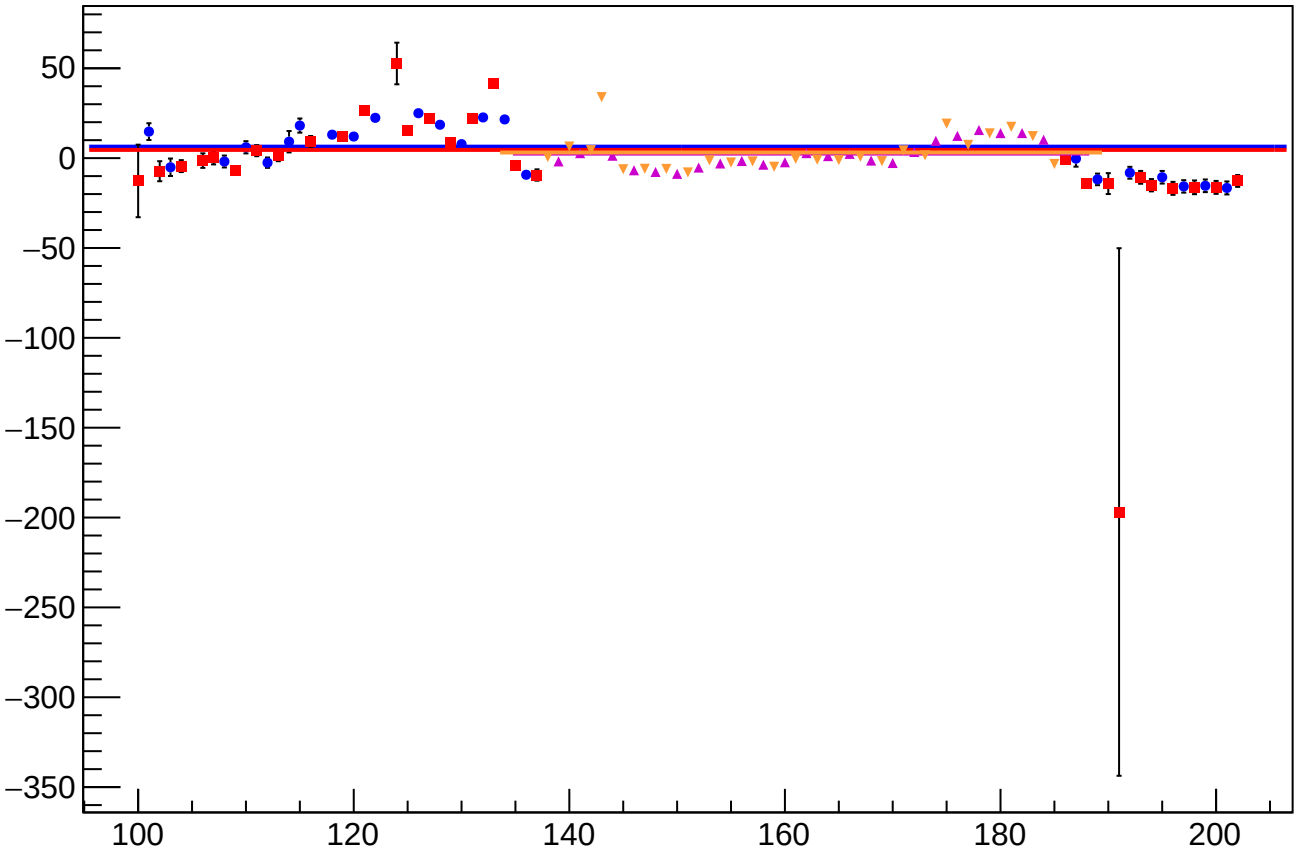
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 70.405+/-0.310 χ^2/NDF: 8407.9/51

In: 47.842+/-0.245 χ^2/NDF:7710.3/45

Out: 49.736+/-0.231 χ^2/NDF:10111.1/53

All: 48.844+/-0.168 χ^2/NDF: 17853.1/99



Right In: 6.382+/-0.567 χ^2/NDF: 596.5/22

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 4.581+/-0.547 χ^2/NDF: 821.9/28

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

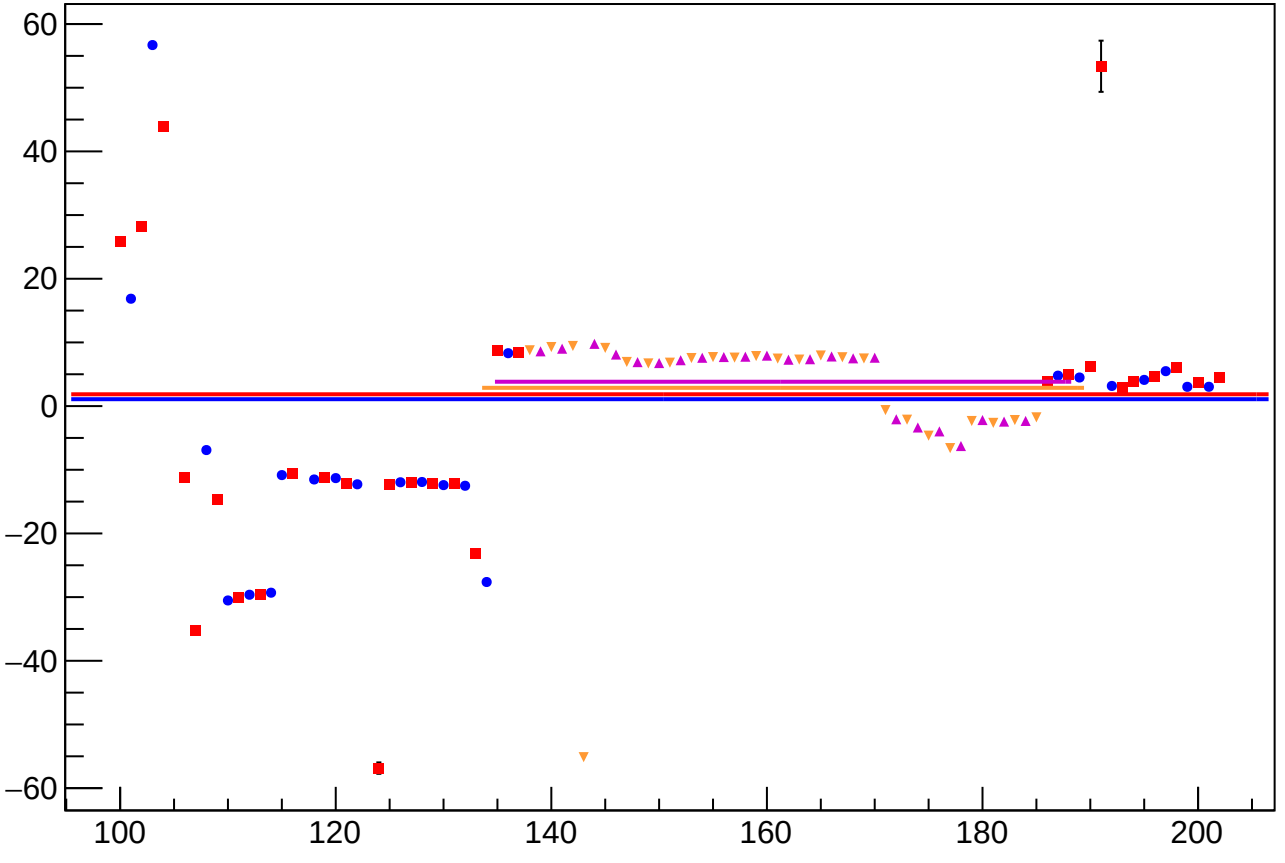
Right: 5.448+/-0.394 χ^2/NDF: 1423.7/51

In: 3.151+/-0.230 χ^2/NDF:1603.5/45

Out: 3.383+/-0.224 χ^2/NDF:2094.7/53

All: 3.270+/-0.160 χ^2/NDF: 3698.7/99

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.083+/-0.028 χ^2/NDF: 374869.5/22

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.855+/-0.027 χ^2/NDF: 326106.4/28

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

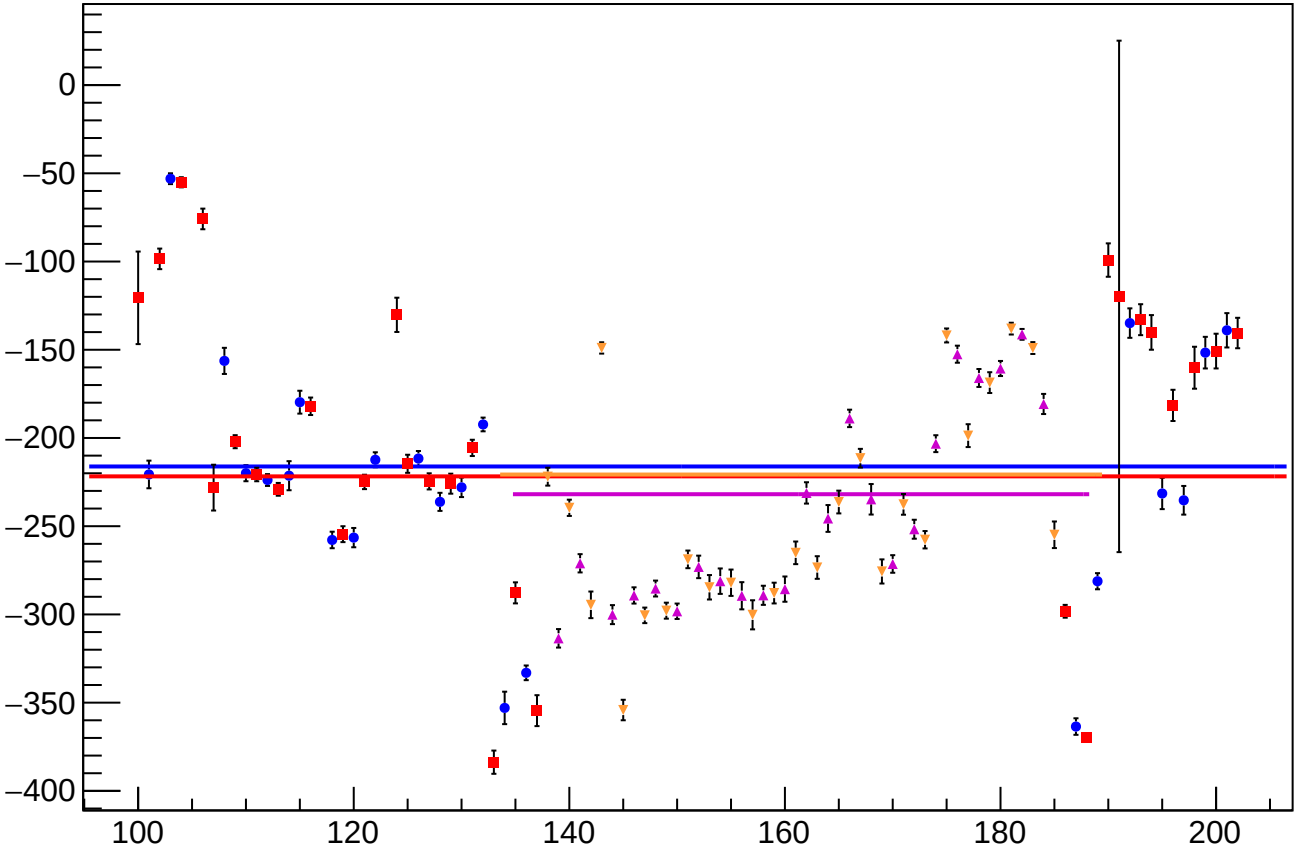
Right: 1.486+/-0.019 χ^2/NDF: 701379.6/51

In: 3.447+/-0.010 χ^2/NDF:616510.7/45

Out: 2.722+/-0.010 χ^2/NDF:839682.8/53

All: 3.079+/-0.007 χ^2/NDF: 1458703.6/99

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -216.150+/-1.071 χ^2/NDF: 5546.4/22

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -221.756+/-0.950 χ^2/NDF: 10132.2/28

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

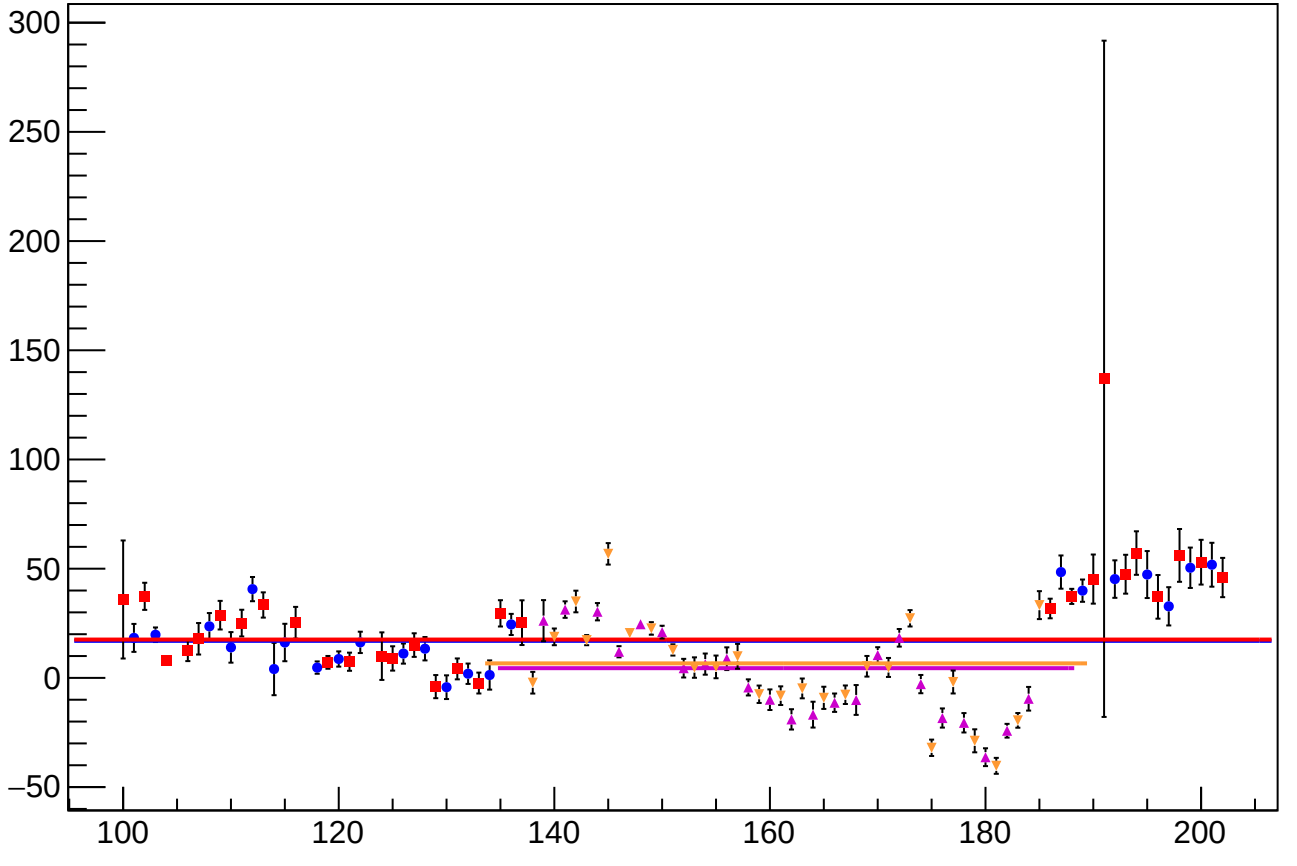
Right: -219.289+/-0.711 χ^2/NDF: 15693.9/51

In: -223.970+/-0.760 χ^2/NDF:8813.8/45

Out: -221.275+/-0.695 χ^2/NDF:14184.9/53

All: -222.502+/-0.513 χ^2/NDF: 23005.6/99

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.956+/-1.115 χ^2/NDF: 166.3/22

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 17.551+/-1.001 χ^2/NDF: 222.9/28

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

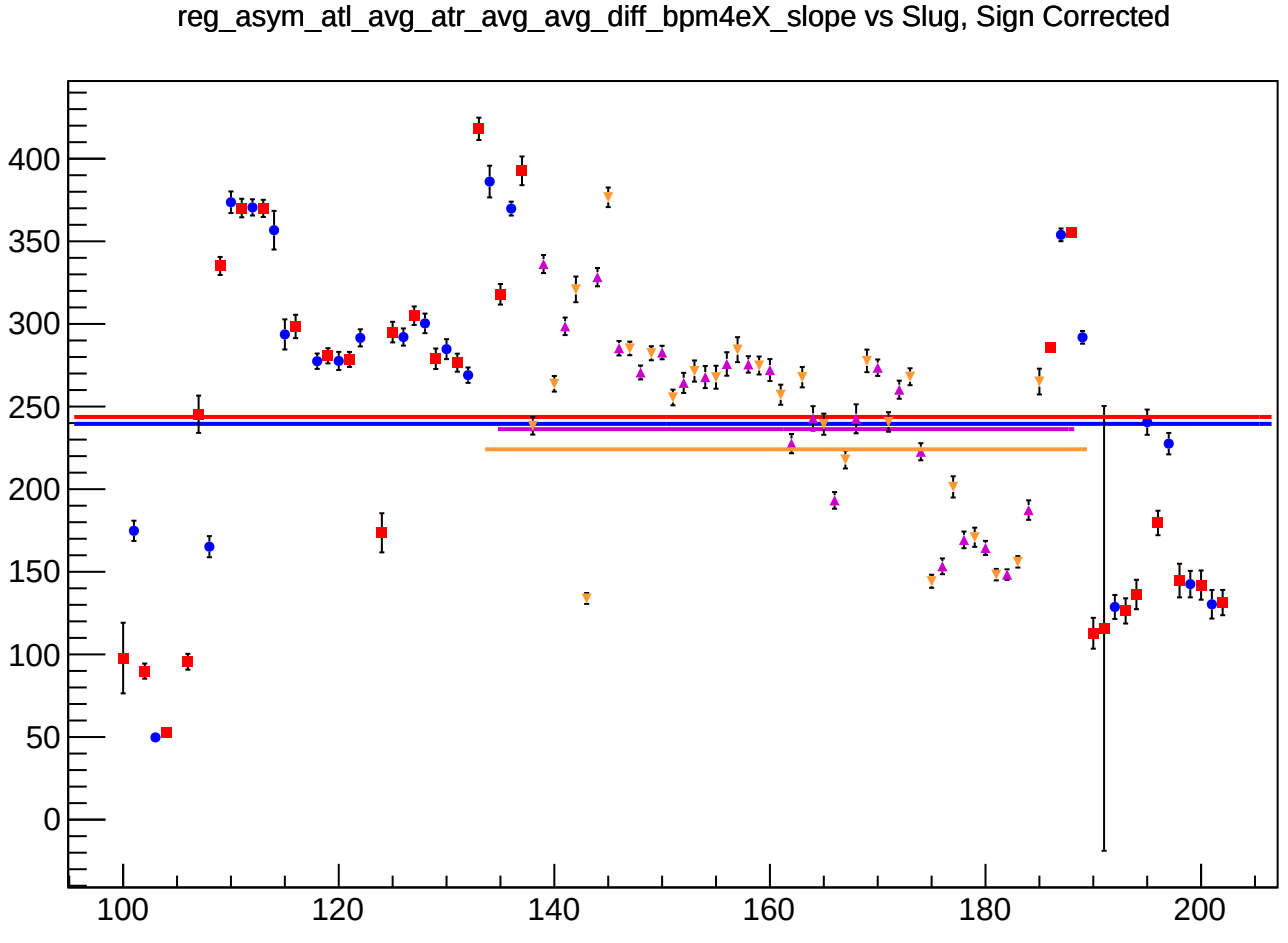
Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

Right: 17.285+/-0.745 χ^2/NDF: 389.4/51

In: 8.745+/-0.654 χ^2/NDF:815.9/45

Out: 10.580+/-0.601 χ^2/NDF:1033.7/53

All: 9.739+/-0.443 χ^2/NDF: 1853.9/99



Right In: 239.530+/-1.082 χ^2/NDF: 11044.1/22

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 243.724+/-0.926 χ^2/NDF: 16598.2/28

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

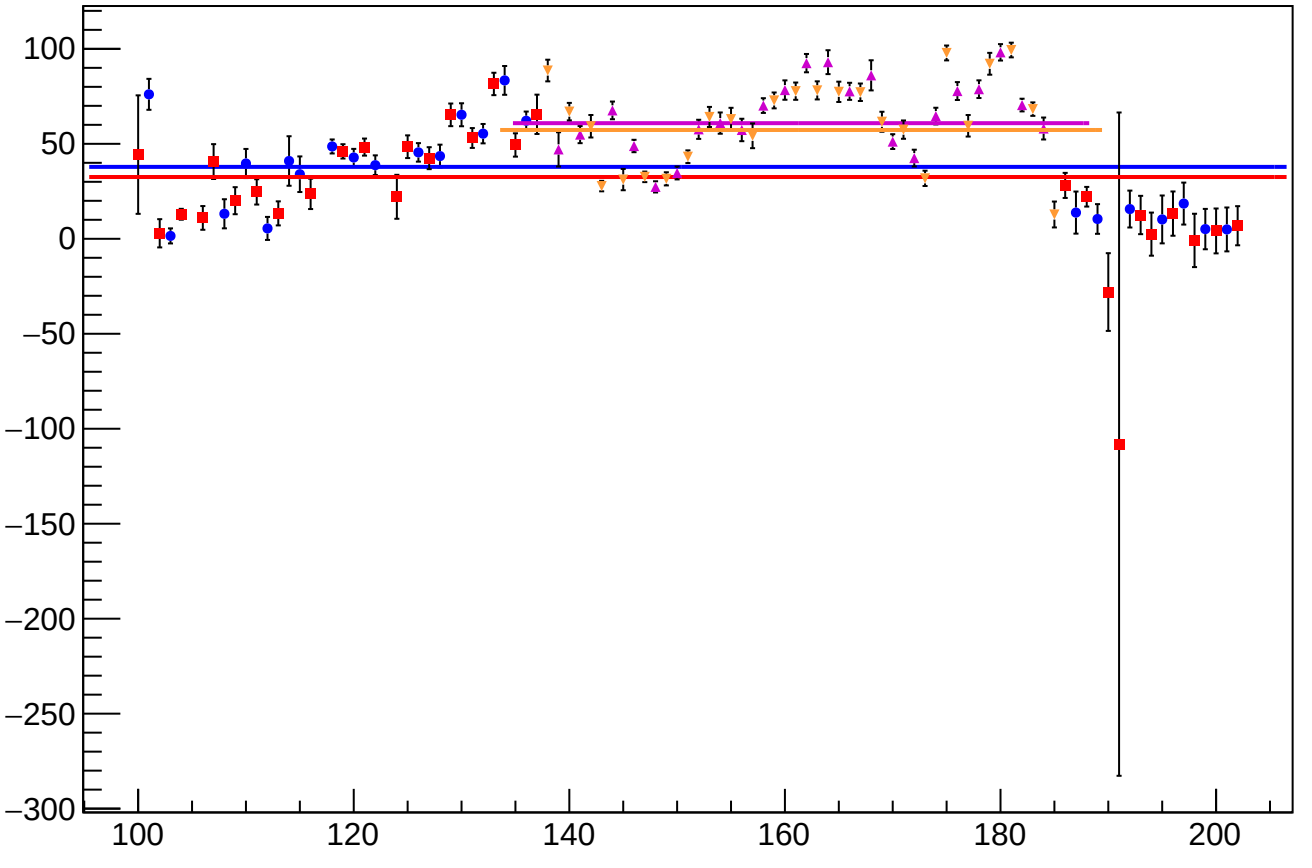
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 241.950+/-0.703 χ^2/NDF: 27651.0/51

In: 237.913+/-0.759 χ^2/NDF:14041.5/45

Out: 234.807+/-0.684 χ^2/NDF:20768.6/53

All: 236.197+/-0.508 χ^2/NDF: 34819.3/99



Right In: 37.863+/-1.315 χ^2/NDF: 299.5/22

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 32.527+/-1.207 χ^2/NDF: 304.2/28

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

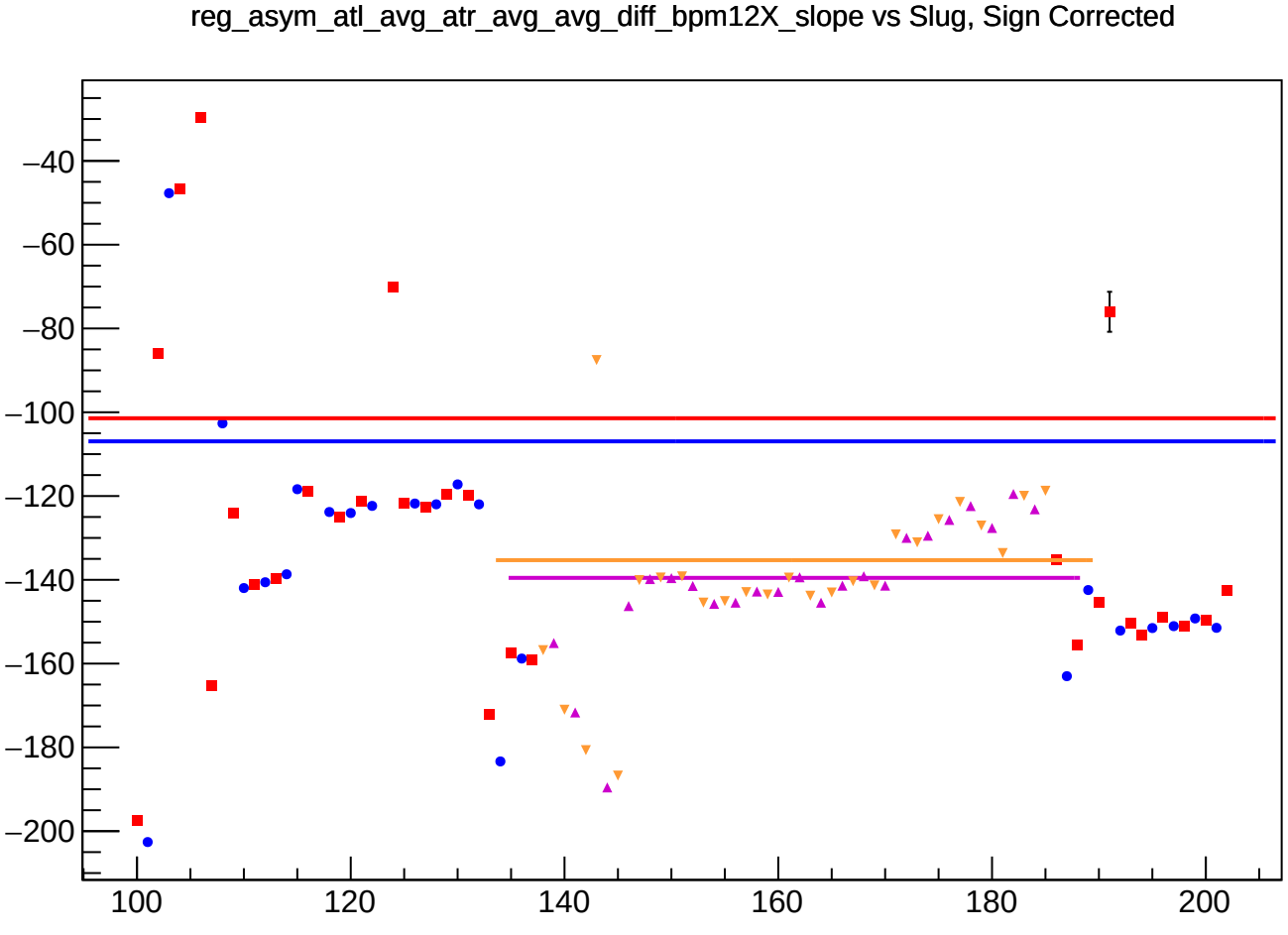
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 34.967+/-0.889 χ^2/NDF: 612.6/51

In: 53.288+/-0.755 χ^2/NDF:959.4/45

Out: 48.853+/-0.705 χ^2/NDF:1349.3/53

All: 50.917+/-0.515 χ^2/NDF: 2327.2/99



Right In: -106.944+/-0.062 χ^2/NDF: 651543.2/22

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -101.433+/-0.058 χ^2/NDF: 707573.5/28

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

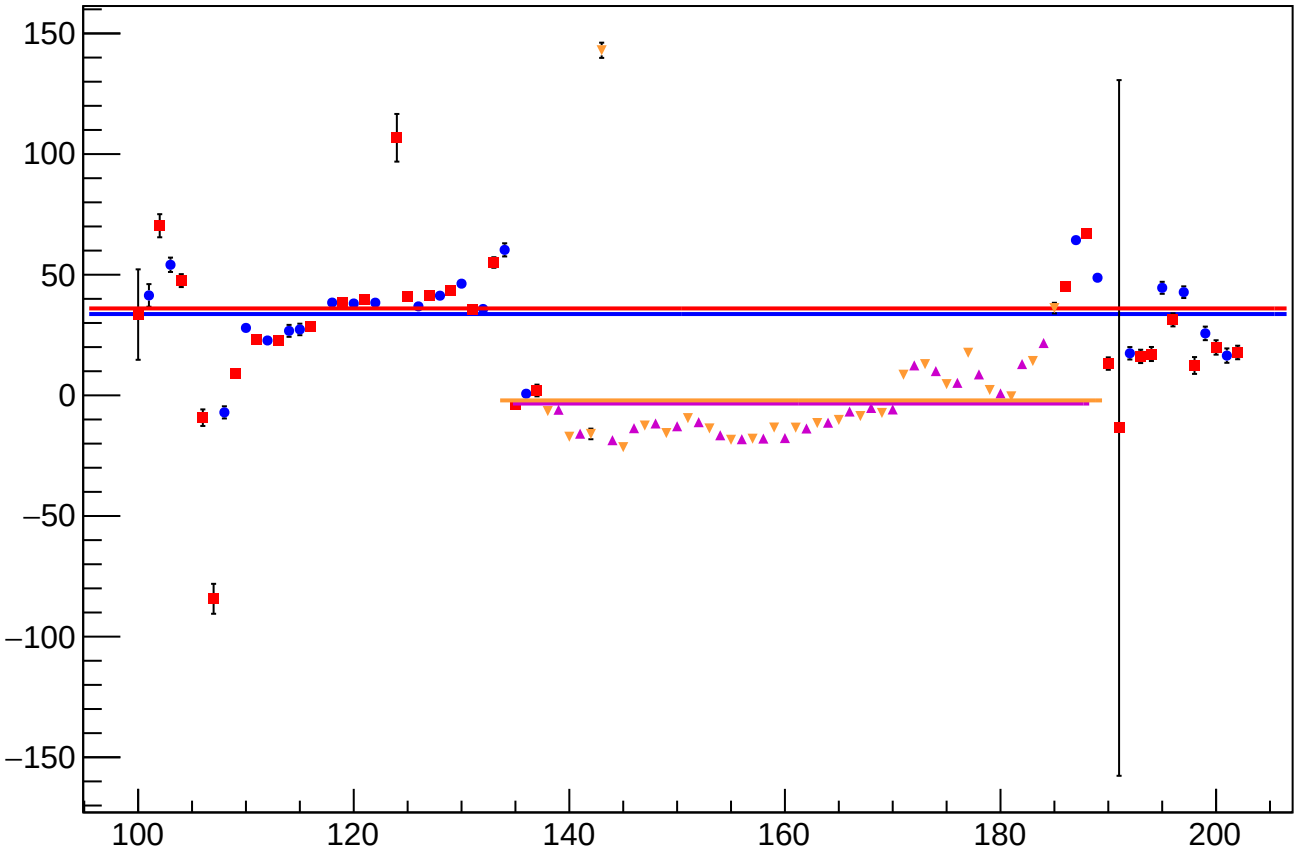
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -104.019+/-0.042 χ^2/NDF: 1363343.4/51

In: -129.192+/-0.035 χ^2/NDF:956063.6/45

Out: -124.193+/-0.033 χ^2/NDF:1199055.4/53

All: -126.580+/-0.024 χ^2/NDF: 2165904.6/99



Right In: 33.699+/-0.367 χ^2/NDF: 2266.5/22

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.028+/-0.317 χ^2/NDF: 4609.9/28

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

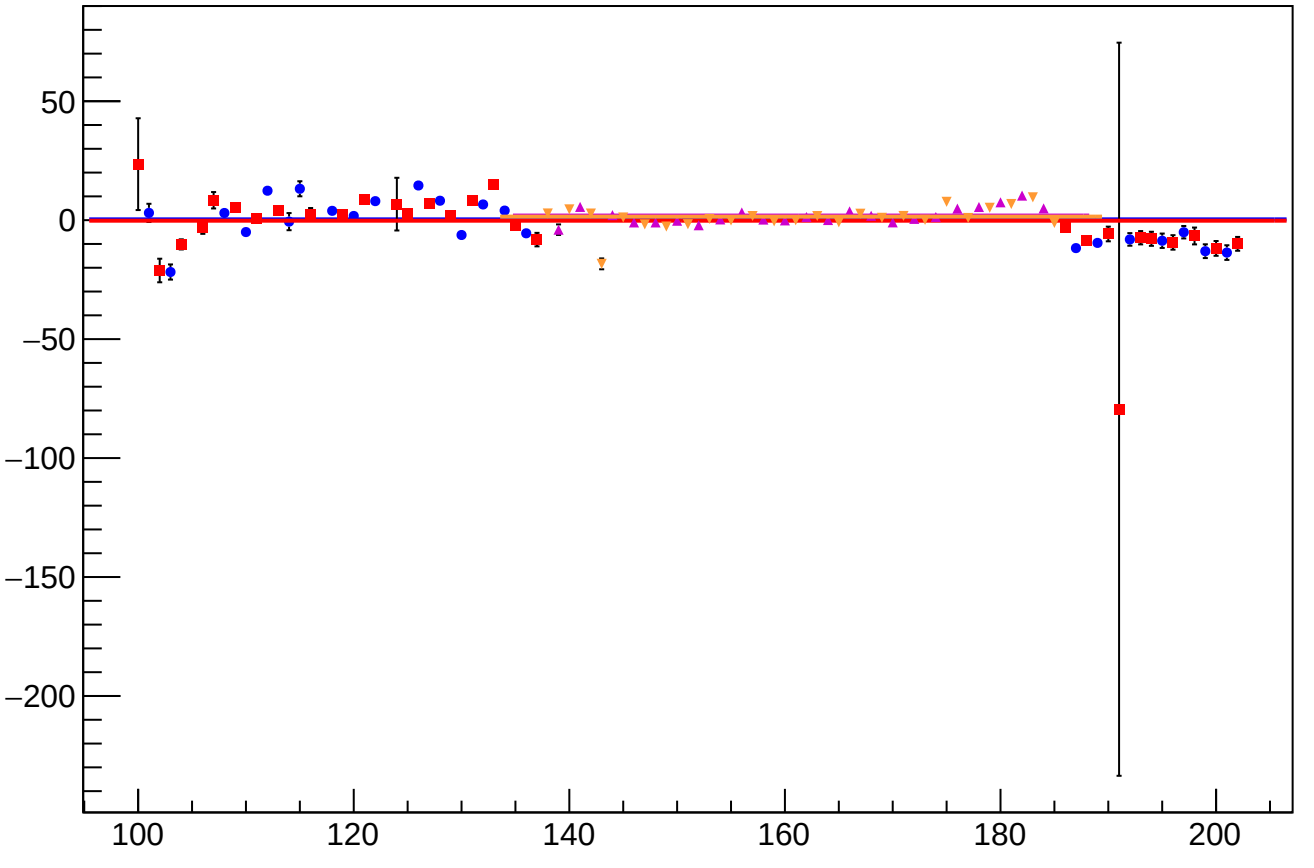
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.034+/-0.240 χ^2/NDF: 6899.5/51

In: 9.724+/-0.218 χ^2/NDF:10628.7/45

Out: 13.740+/-0.204 χ^2/NDF:17290.8/53

All: 11.866+/-0.149 χ^2/NDF: 28100.4/99



Right In: 0.341+/-0.395 χ^2/NDF: 425.2/22

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.219+/-0.364 χ^2/NDF: 374.5/28

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

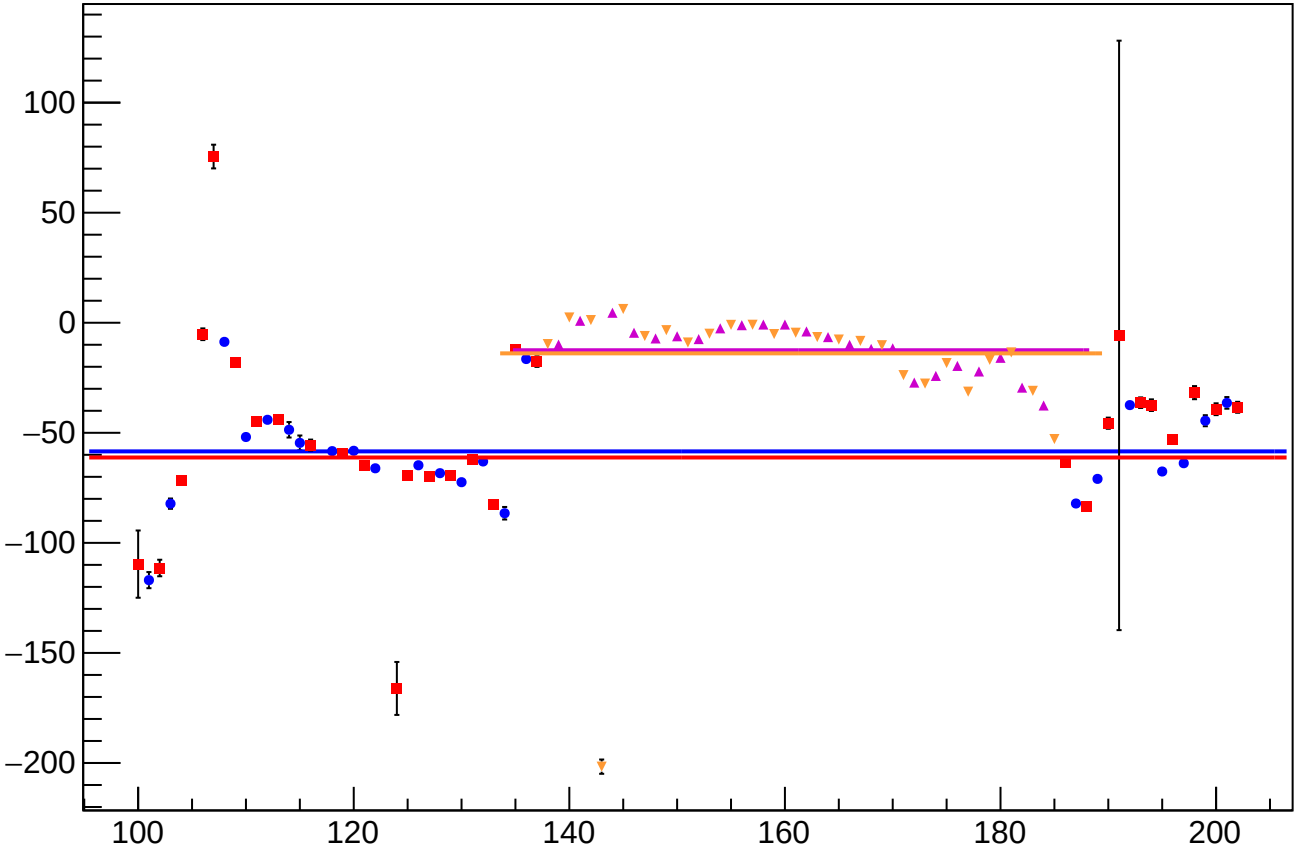
Right: 0.038+/-0.268 χ^2/NDF: 800.7/51

In: 1.582+/-0.186 χ^2/NDF:678.5/45

Out: 1.078+/-0.179 χ^2/NDF:719.7/53

All: 1.320+/-0.129 χ^2/NDF: 1402.0/99

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.439+/-0.381 χ^2/NDF: 3324.6/22

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.215+/-0.312 χ^2/NDF: 5463.3/28

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

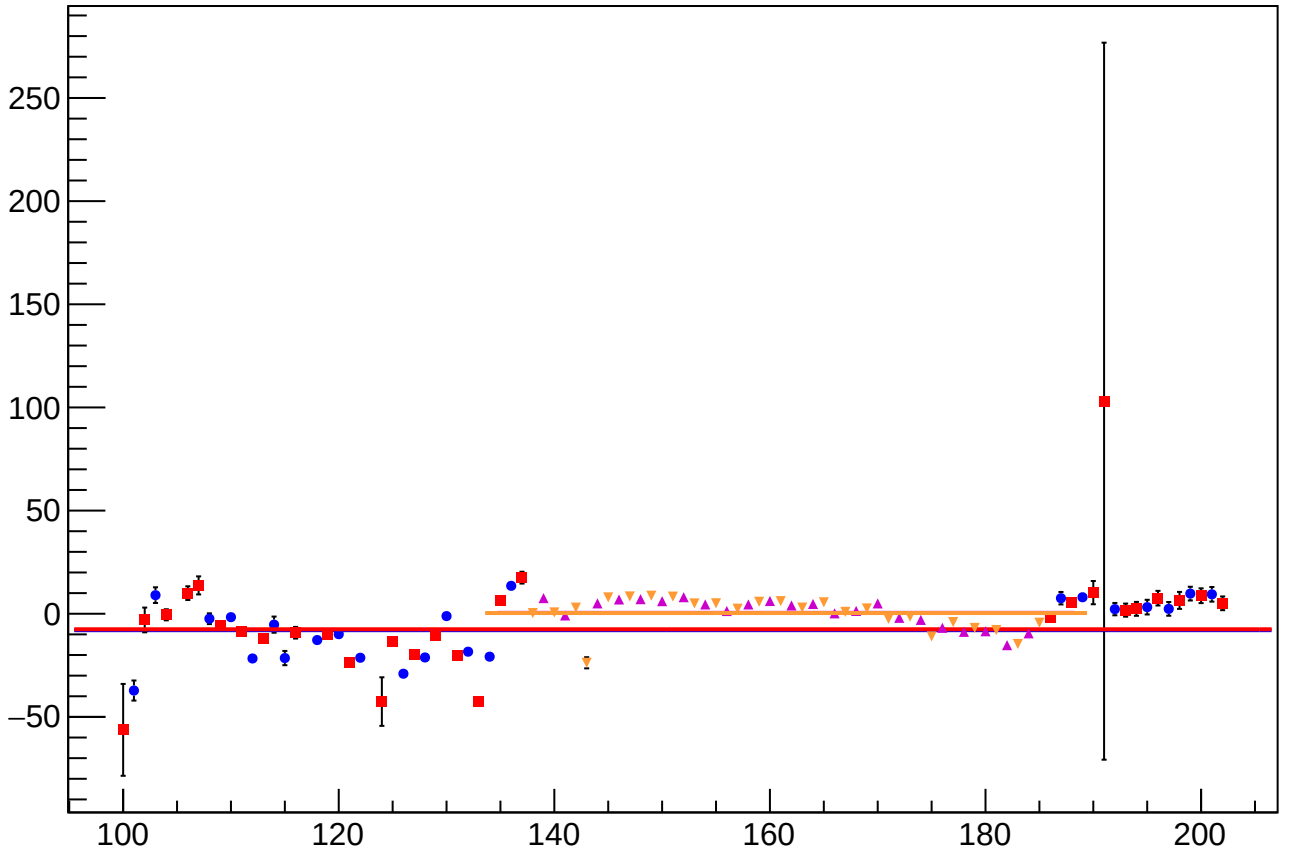
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.103+/-0.241 χ^2/NDF: 8819.6/51

In: -27.737+/-0.220 χ^2/NDF:14454.8/45

Out: -33.733+/-0.202 χ^2/NDF:23976.4/53

All: -30.989+/-0.149 χ^2/NDF: 38835.4/99



Right In: -7.964+/-0.463 χ^2/NDF: 852.4/22

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.521+/-0.441 χ^2/NDF: 900.9/28

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

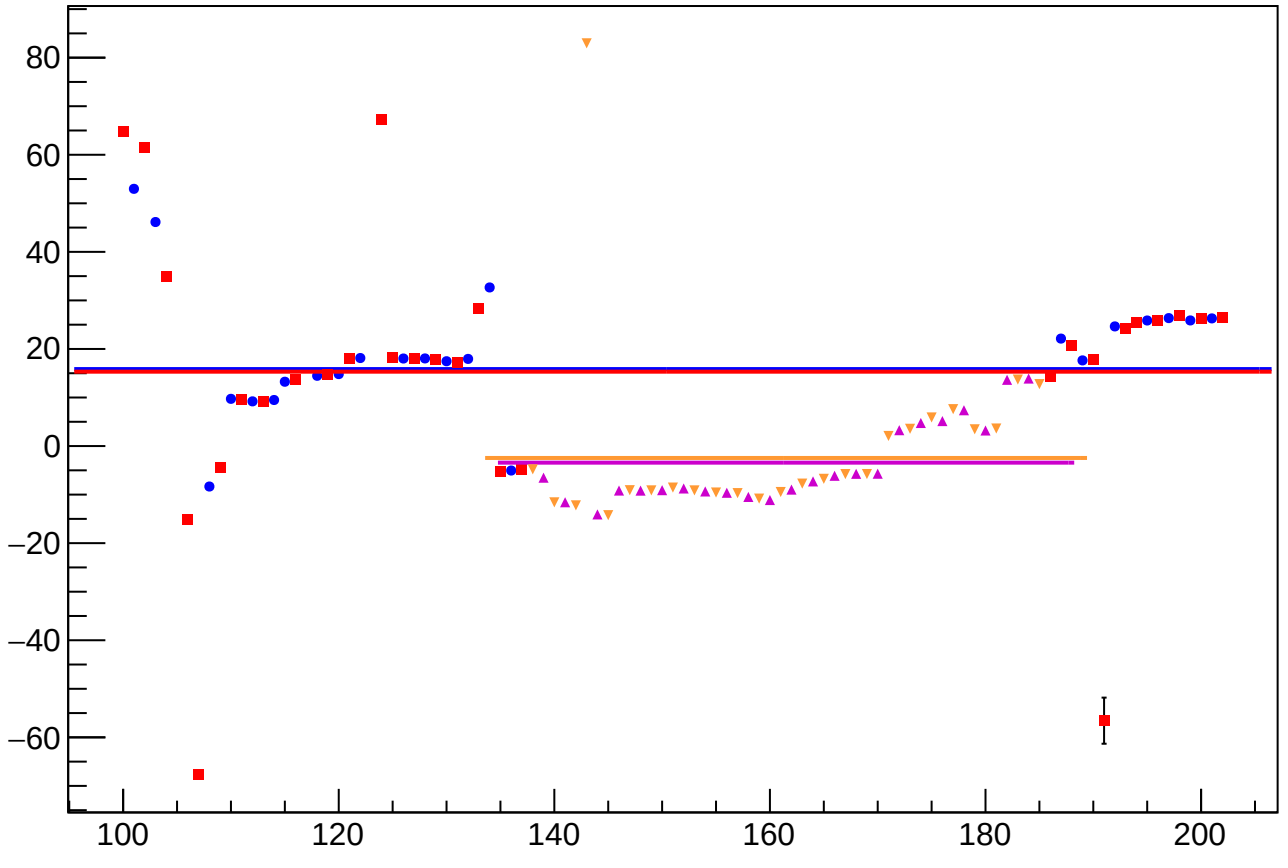
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.732+/-0.319 χ^2/NDF: 1753.8/51

In: -1.305+/-0.211 χ^2/NDF:1895.1/45

Out: -1.355+/-0.205 χ^2/NDF:2072.7/53

All: -1.331+/-0.147 χ^2/NDF: 3967.8/99



Right In: 15.856+/-0.024 χ^2/NDF: 421487.5/22

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.320+/-0.023 χ^2/NDF: 547491.6/28

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

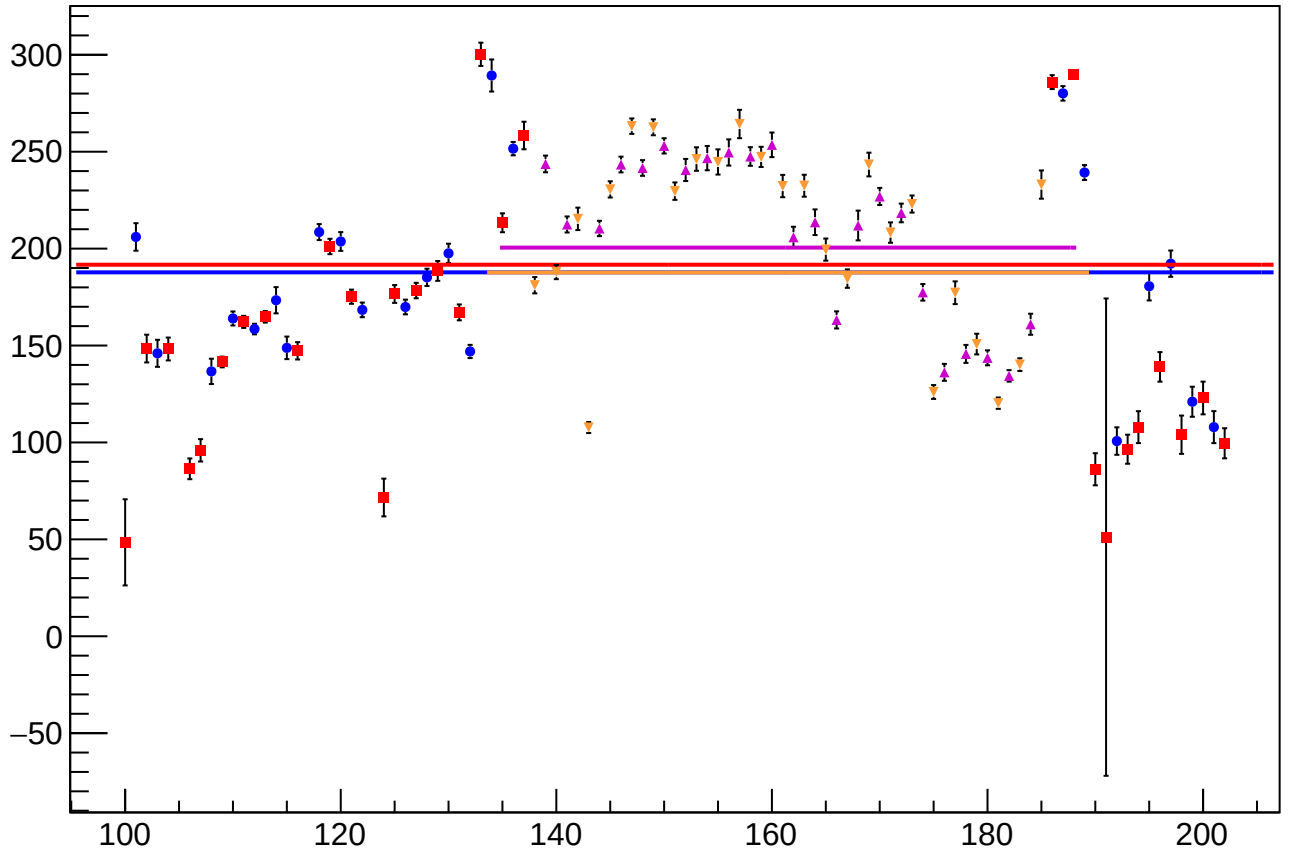
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 15.579+/-0.017 χ^2/NDF: 969234.2/51

In: -0.378+/-0.010 χ^2/NDF:1505904.1/45

Out: 0.483+/-0.009 χ^2/NDF:1996050.1/53

All: 0.058+/-0.007 χ^2/NDF: 3506042.7/99



Right In: 187.756+/-0.966 χ^2/NDF: 2142.4/22

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 191.687+/-0.846 χ^2/NDF: 5972.2/28

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

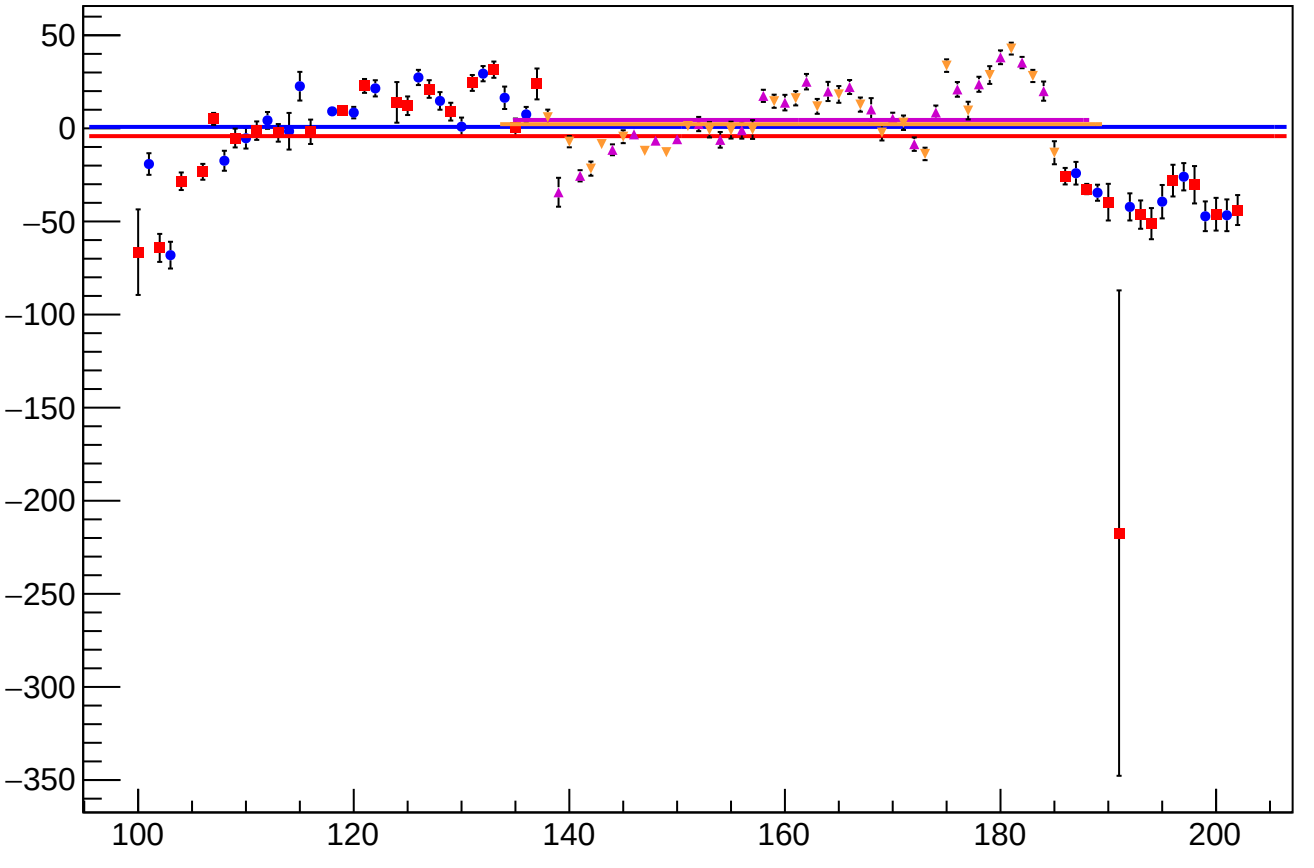
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 189.981+/-0.636 χ^2/NDF: 8124.0/51

In: 194.209+/-0.679 χ^2/NDF:4342.2/45

Out: 189.803+/-0.616 χ^2/NDF:9511.1/53

All: 191.790+/-0.456 χ^2/NDF: 13876.4/99



Right In: 0.776+/-1.017 χ^2/NDF: 493.5/22

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.177+/-0.927 χ^2/NDF: 650.9/28

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

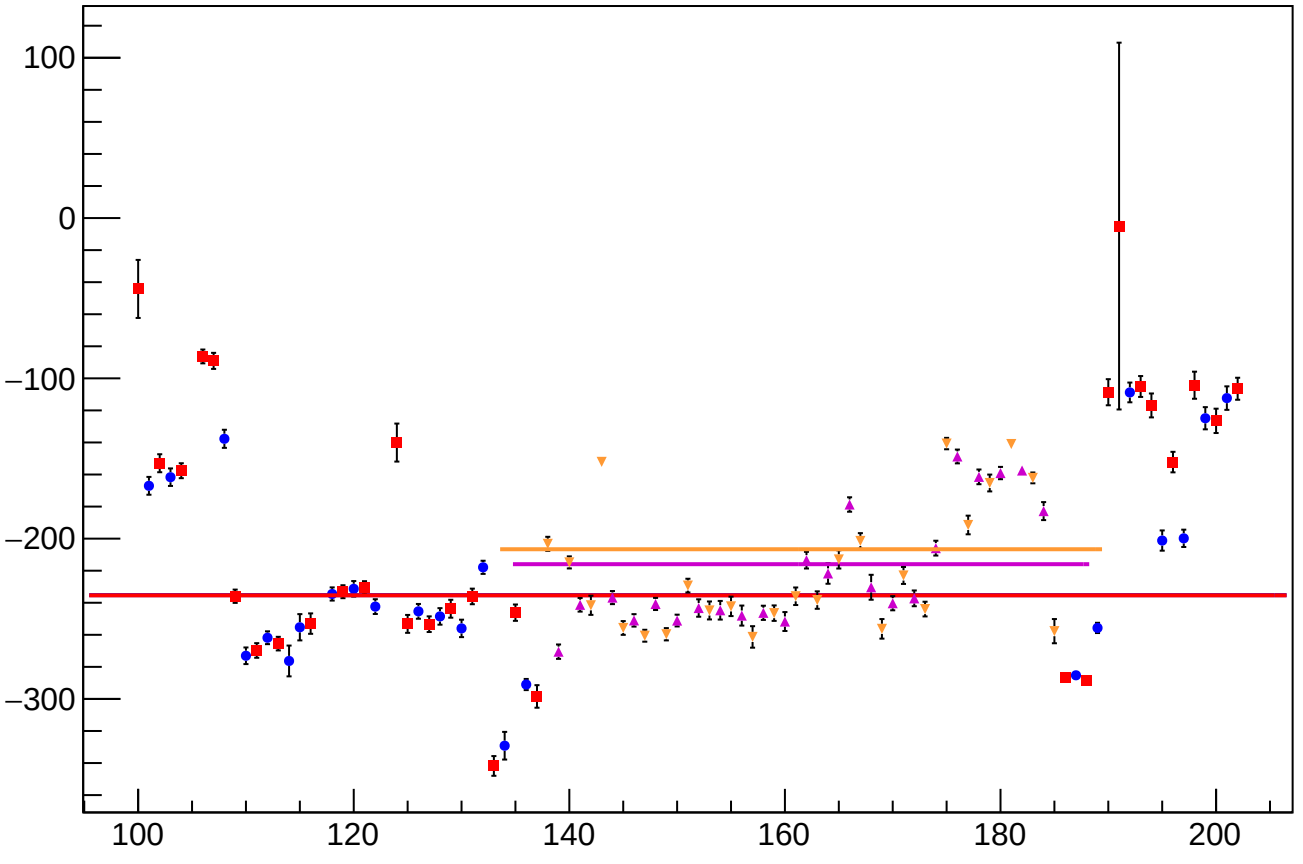
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -1.928+/-0.685 χ^2/NDF: 1157.3/51

In: 3.278+/-0.584 χ^2/NDF:1049.6/45

Out: 0.066+/-0.540 χ^2/NDF:1283.5/53

All: 1.546+/-0.397 χ^2/NDF: 2349.4/99



Right In: -235.258+/-1.014 χ^2/NDF: 2506.9/22

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -235.373+/-0.853 χ^2/NDF: 6555.9/28

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

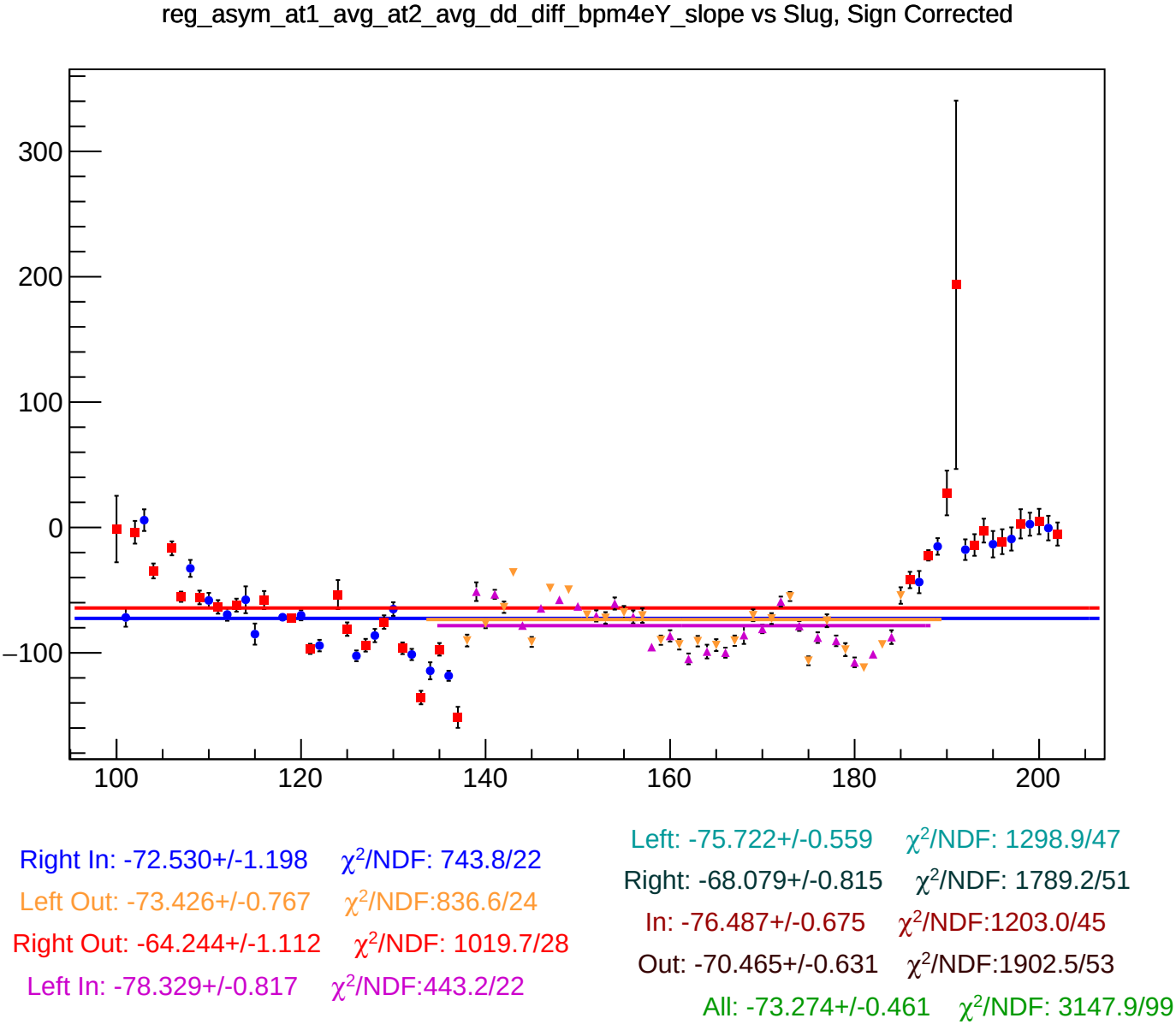
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -235.325+/-0.653 χ^2/NDF: 9062.8/51

In: -224.933+/-0.692 χ^2/NDF:4413.0/45

Out: -221.683+/-0.617 χ^2/NDF:9564.9/53

All: -223.124+/-0.461 χ^2/NDF: 13990.2/99


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
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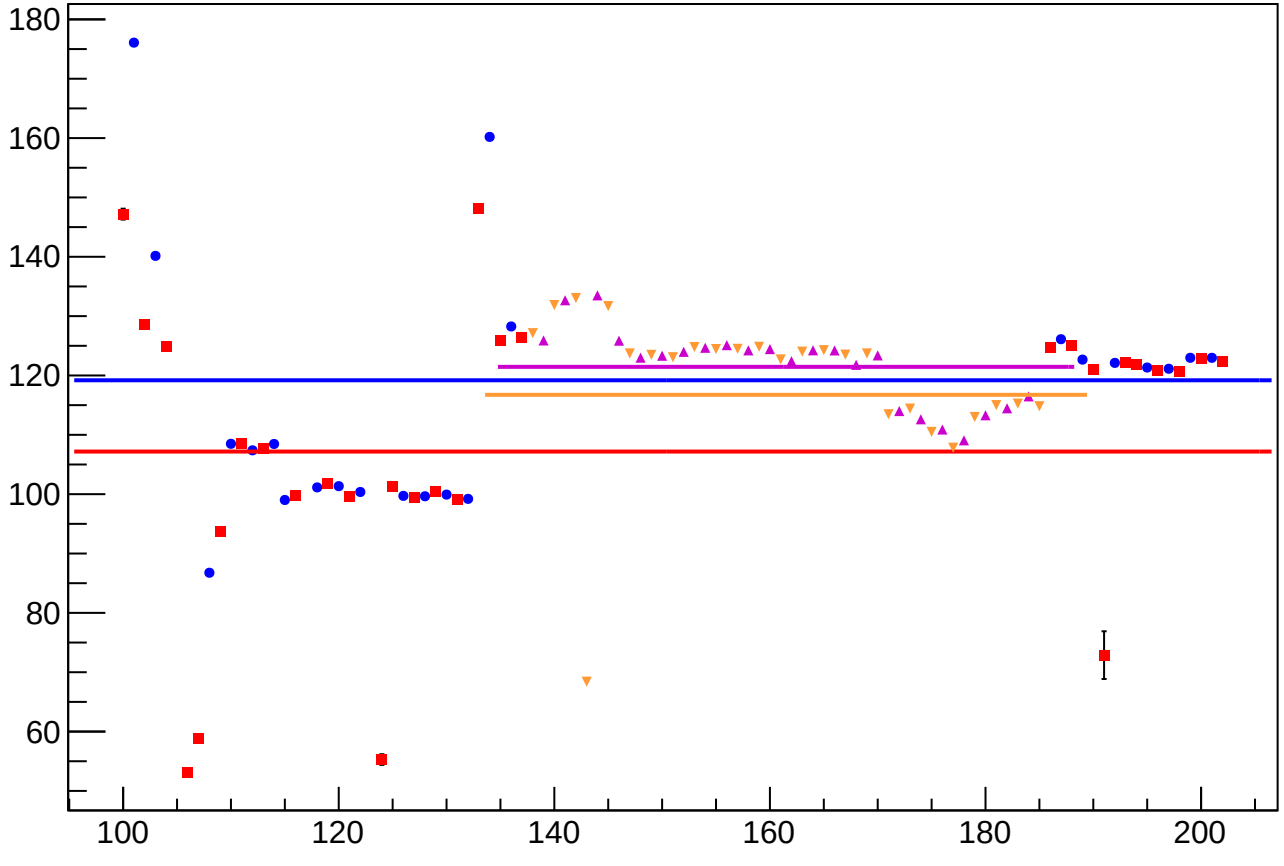
−100
100
120
140
160
180
200
Right In: -72.530+/-1.198 χ²/NDF: 743.8/22
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -64.244+/-1.112 χ²/NDF: 1019.7/28
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -68.079+/-0.815 χ²/NDF: 1789.2/51
In: -76.487+/-0.675 χ²/NDF:1203.0/45
Out: -70.465+/-0.631 χ²/NDF:1902.5/53
All: -73.274+/-0.461 χ²/NDF: 3147.9/99

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.191+/-0.065 χ^2/NDF: 96693.4/22

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.182+/-0.058 χ^2/NDF: 201853.6/28

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

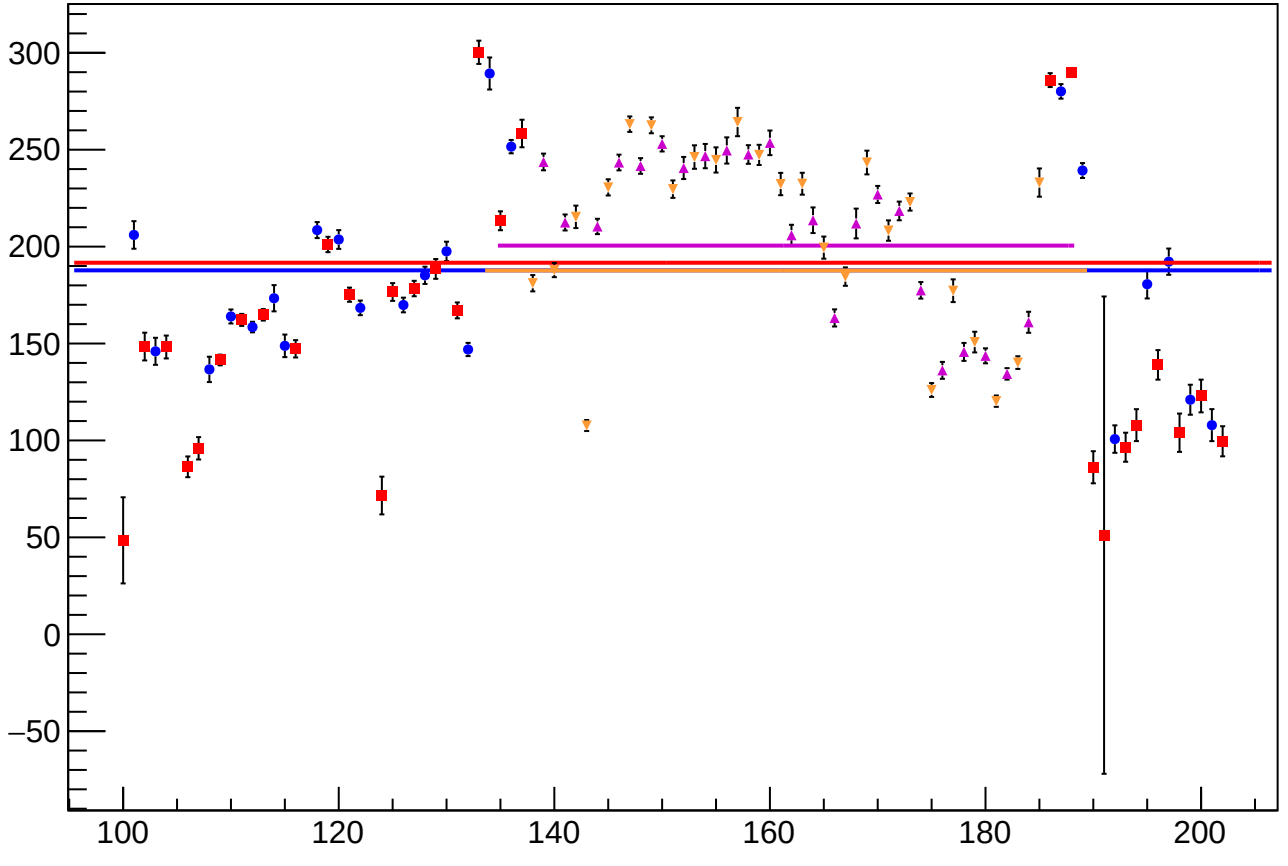
Right: 112.485+/-0.043 χ^2/NDF: 317770.1/51

In: 120.891+/-0.032 χ^2/NDF:126408.5/45

Out: 114.072+/-0.030 χ^2/NDF:425382.5/53

All: 117.277+/-0.022 χ^2/NDF: 575420.1/99

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.756+/-0.966 χ^2/NDF: 2142.4/22

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 191.687+/-0.846 χ^2/NDF: 5972.2/28

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

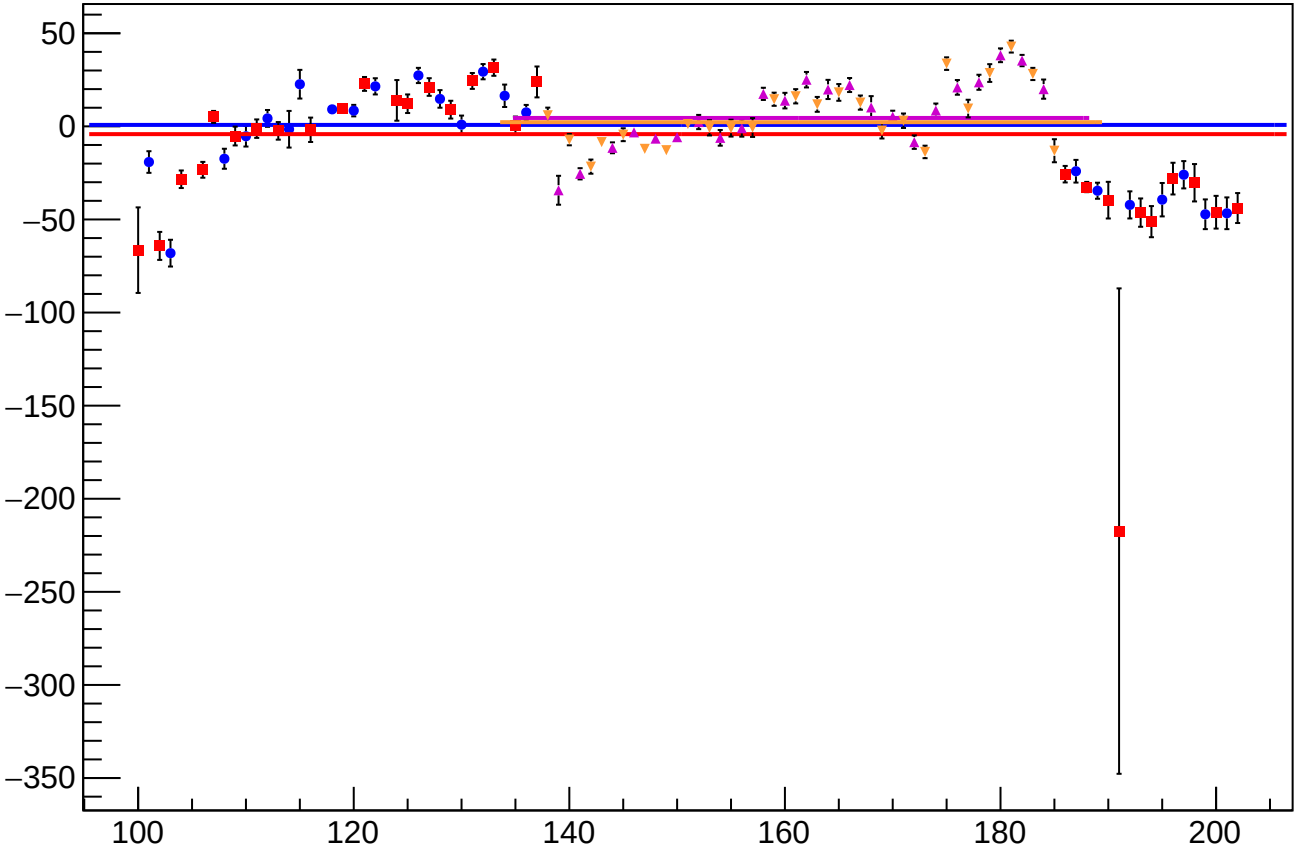
Right: 189.981+/-0.636 χ^2/NDF: 8124.0/51

In: 194.209+/-0.679 χ^2/NDF:4342.2/45

Out: 189.803+/-0.616 χ^2/NDF:9511.1/53

All: 191.790+/-0.456 χ^2/NDF: 13876.4/99

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.776+/-1.017 χ^2/NDF: 493.5/22

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.177+/-0.927 χ^2/NDF: 650.9/28

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

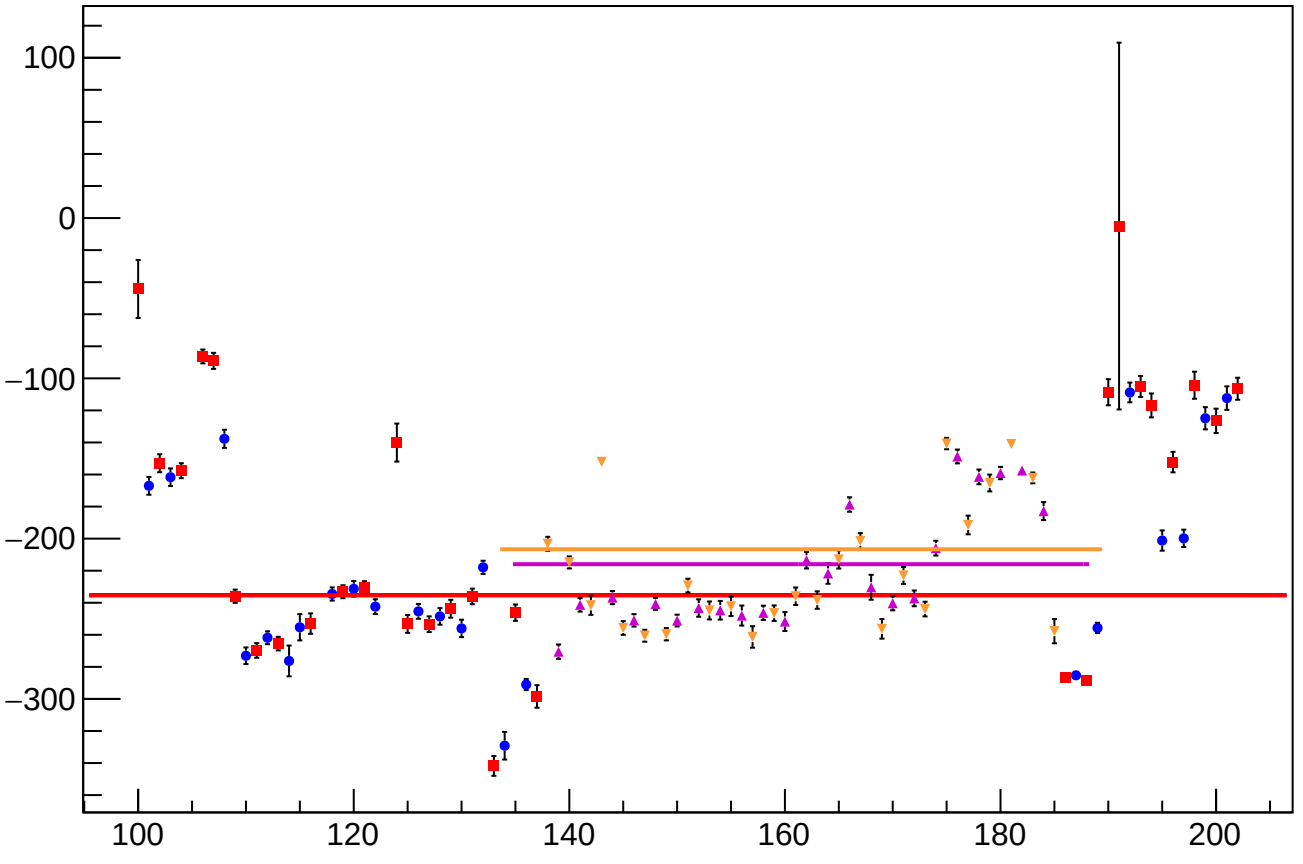
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -1.928+/-0.685 χ^2/NDF: 1157.3/51

In: 3.278+/-0.584 χ^2/NDF:1049.6/45

Out: 0.066+/-0.540 χ^2/NDF:1283.5/53

All: 1.546+/-0.397 χ^2/NDF: 2349.4/99


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
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100
120
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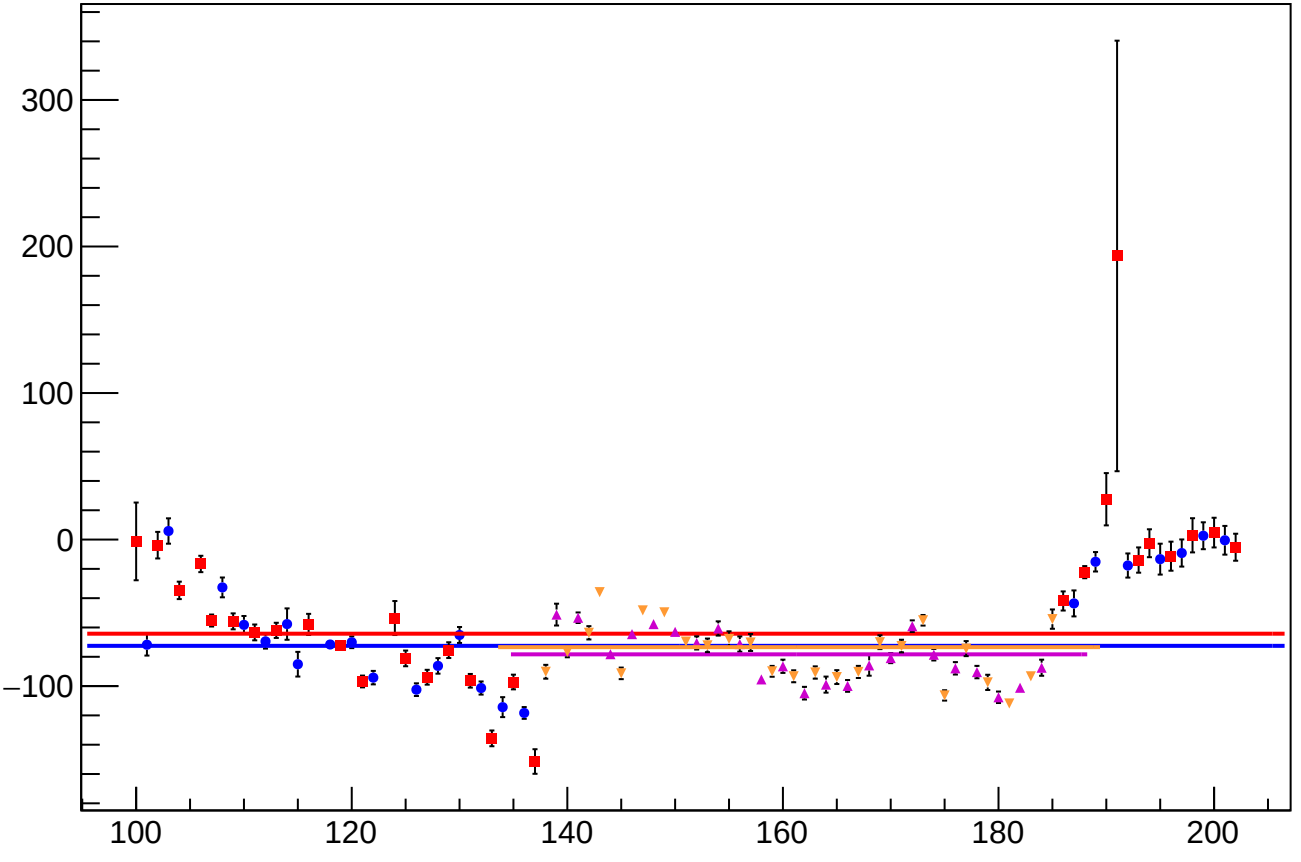
Right In: -235.258+/-1.014 χ²/NDF: 2506.9/22
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -235.373+/-0.853 χ²/NDF: 6555.9/28
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -235.325+/-0.653 χ²/NDF: 9062.8/51
In: -224.933+/-0.692 χ²/NDF:4413.0/45
Out: -221.683+/-0.617 χ²/NDF:9564.9/53
All: -223.124+/-0.461 χ²/NDF: 13990.2/99

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -72.530+/-1.198 χ^2/NDF: 743.8/22

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -64.244+/-1.112 χ^2/NDF: 1019.7/28

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

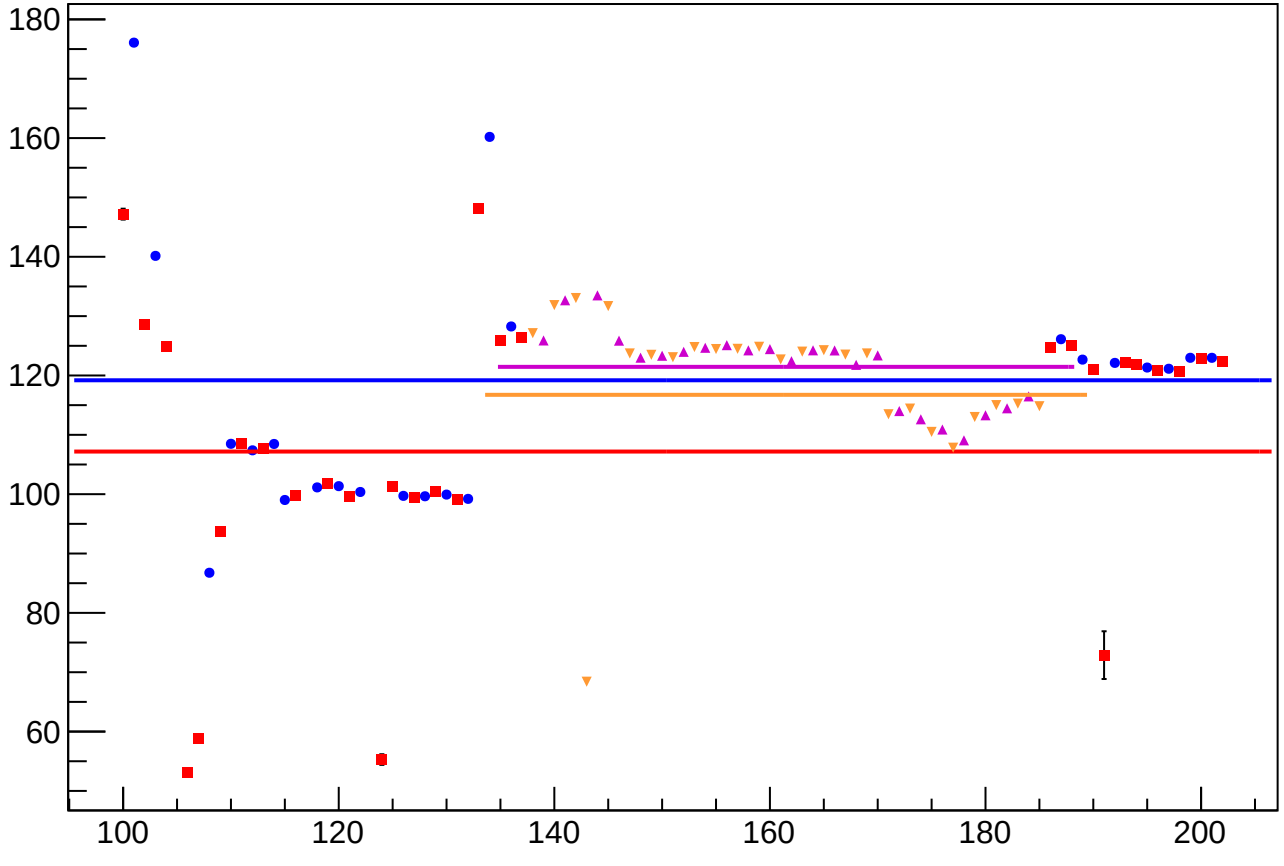
Right: -68.079+/-0.815 χ^2/NDF: 1789.2/51

In: -76.487+/-0.675 χ^2/NDF:1203.0/45

Out: -70.465+/-0.631 χ^2/NDF:1902.5/53

All: -73.274+/-0.461 χ^2/NDF: 3147.9/99

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.191+/-0.065 χ^2/NDF: 96693.4/22

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.182+/-0.058 χ^2/NDF: 201853.6/28

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

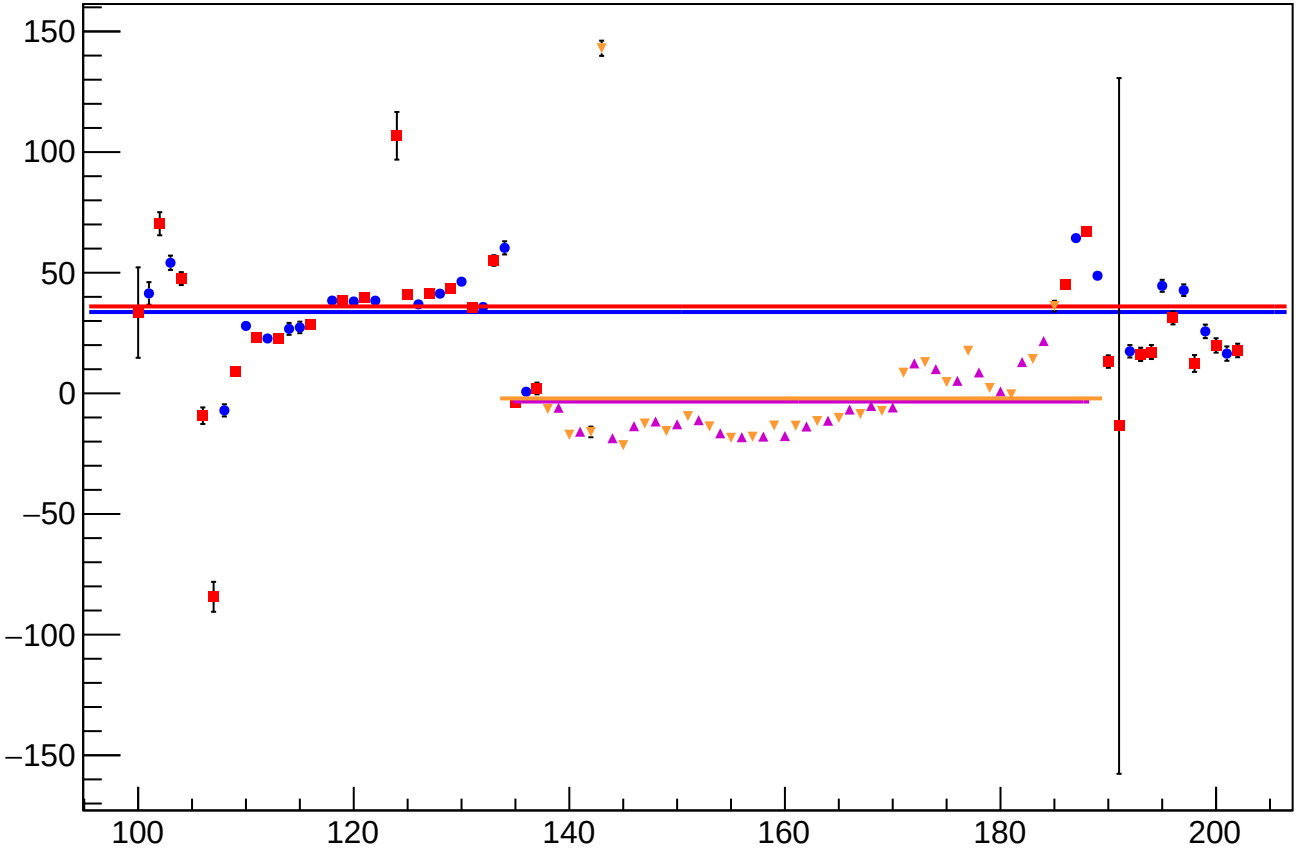
Right: 112.485+/-0.043 χ^2/NDF: 317770.1/51

In: 120.891+/-0.032 χ^2/NDF:126408.5/45

Out: 114.072+/-0.030 χ^2/NDF:425382.5/53

All: 117.277+/-0.022 χ^2/NDF: 575420.1/99

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 33.699+/-0.367 χ^2/NDF: 2266.5/22

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.028+/-0.317 χ^2/NDF: 4609.9/28

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

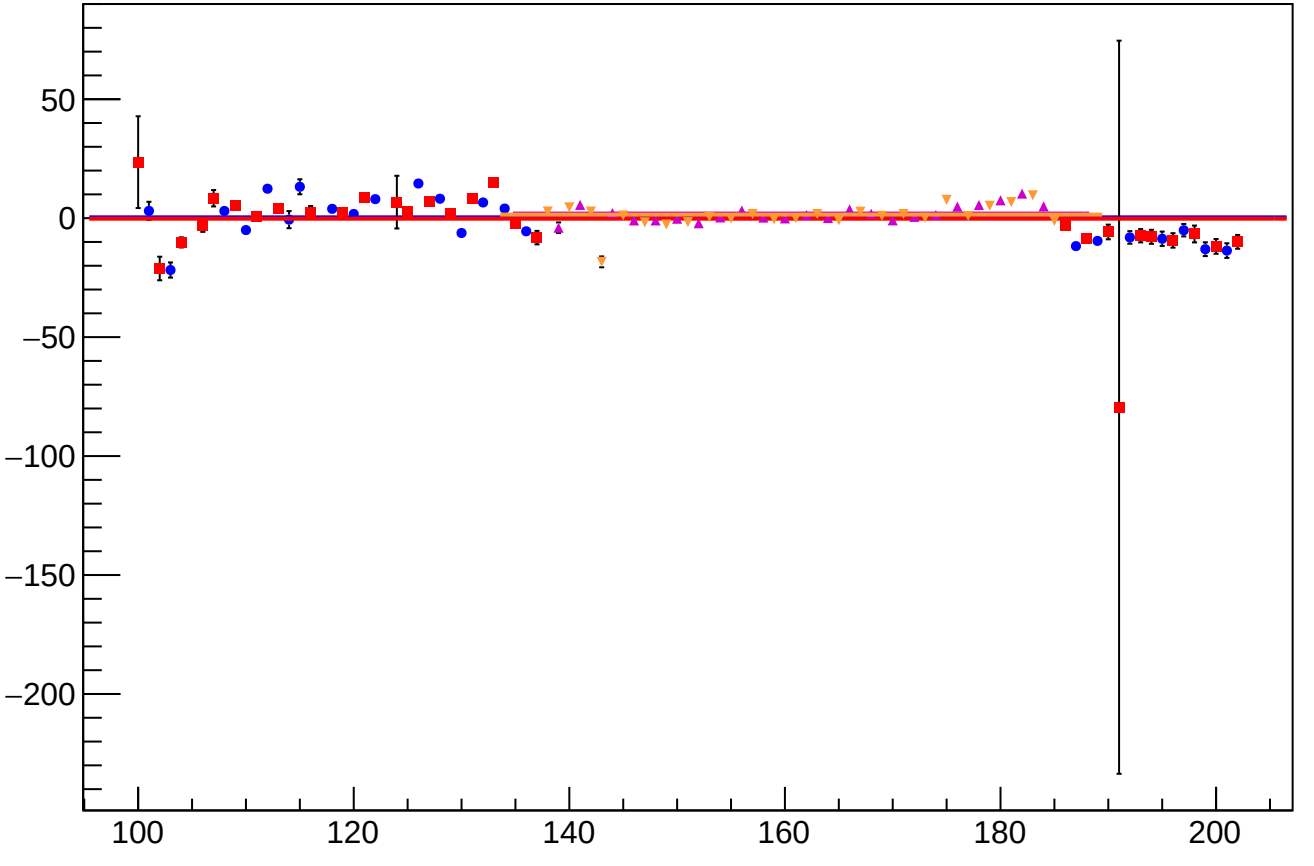
Right: 35.034+/-0.240 χ^2/NDF: 6899.5/51

In: 9.724+/-0.218 χ^2/NDF:10628.7/45

Out: 13.740+/-0.204 χ^2/NDF:17290.8/53

All: 11.866+/-0.149 χ^2/NDF: 28100.4/99

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.341+/-0.395 χ^2/NDF: 425.2/22

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.219+/-0.364 χ^2/NDF: 374.5/28

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

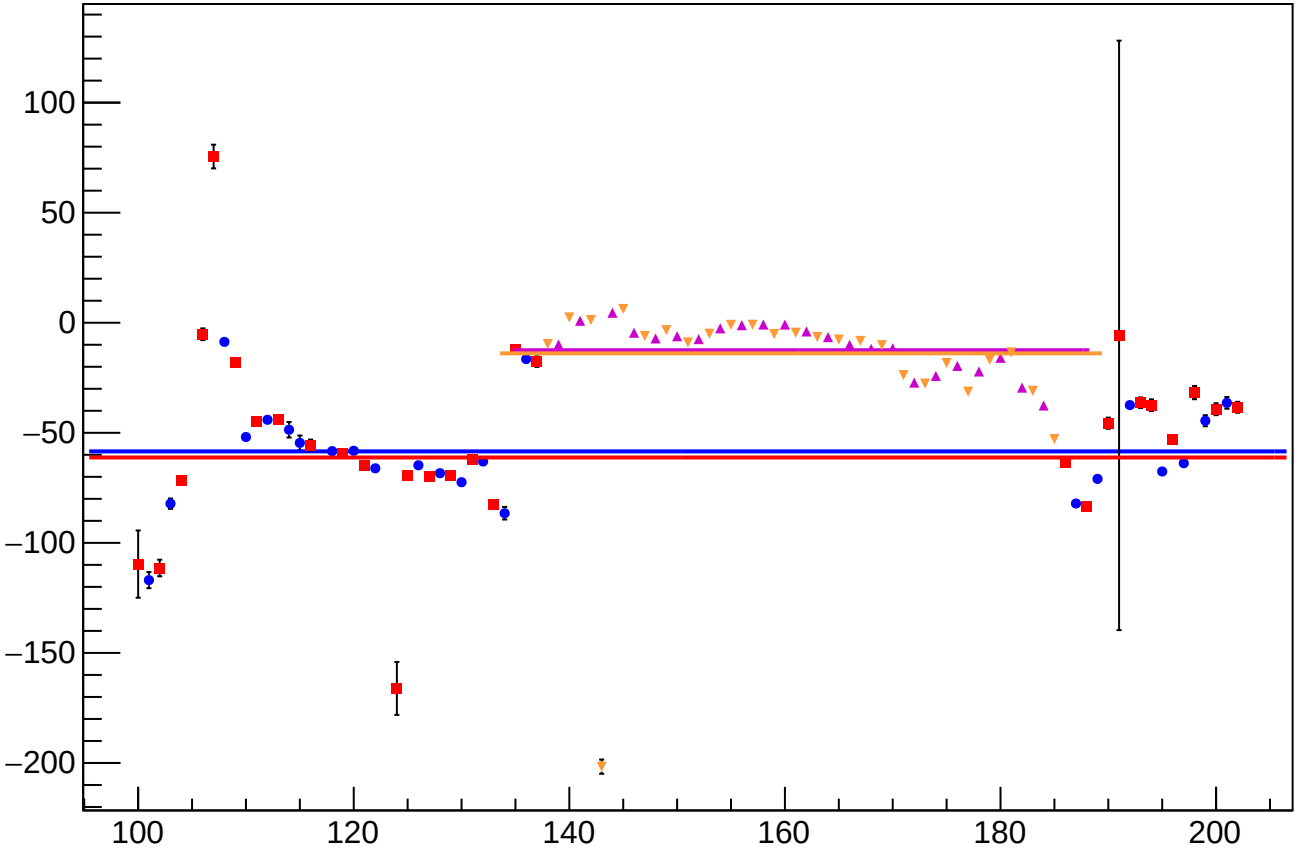
Right: 0.038+/-0.268 χ^2/NDF: 800.7/51

In: 1.582+/-0.186 χ^2/NDF:678.5/45

Out: 1.078+/-0.179 χ^2/NDF:719.7/53

All: 1.320+/-0.129 χ^2/NDF: 1402.0/99

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.215+/-0.312 χ^2/NDF: 5463.3/28

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

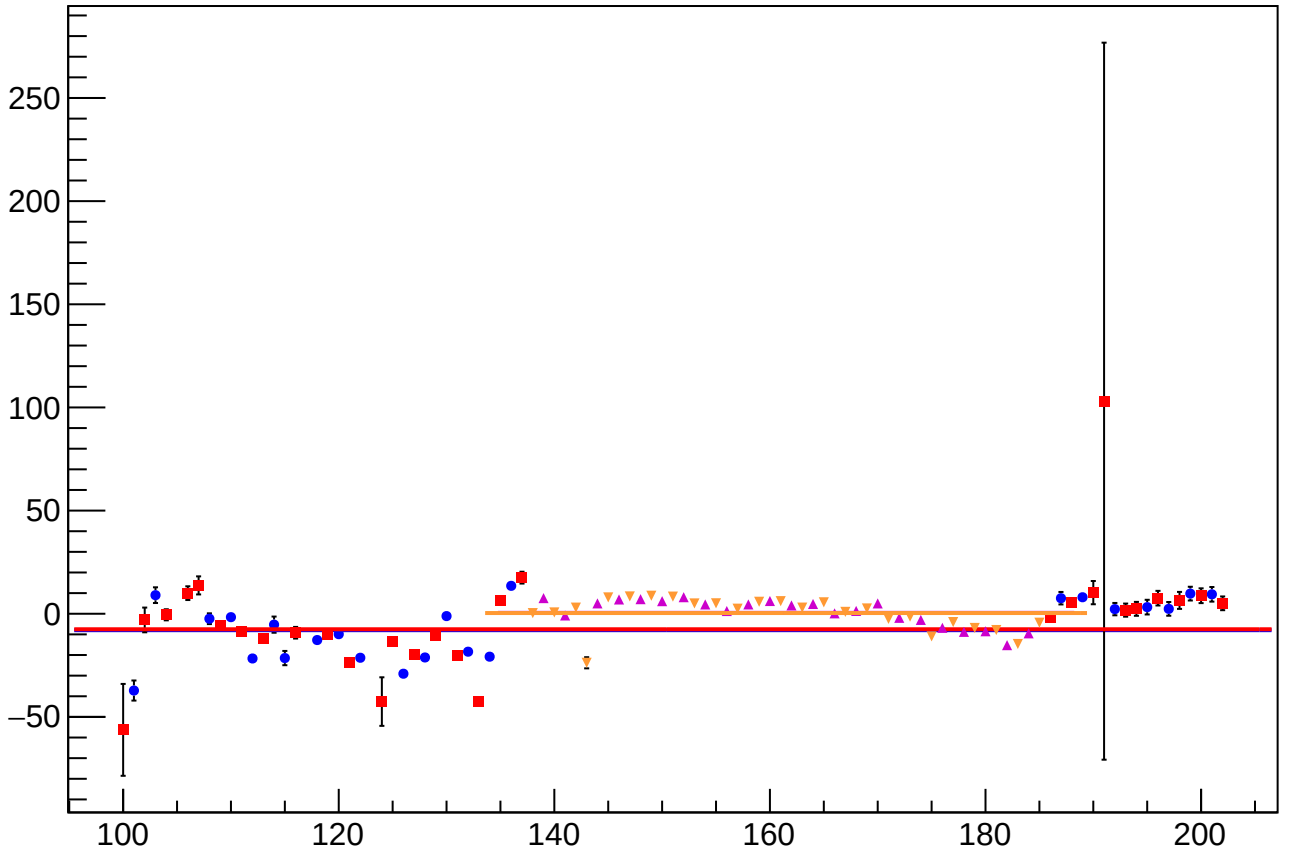
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.103+/-0.241 χ^2/NDF: 8819.6/51

In: -27.737+/-0.220 χ^2/NDF:14454.8/45

Out: -33.733+/-0.202 χ^2/NDF:23976.4/53

All: -30.989+/-0.149 χ^2/NDF: 38835.4/99



Right In: -7.964+/-0.463 χ^2/NDF: 852.4/22

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.521+/-0.441 χ^2/NDF: 900.9/28

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

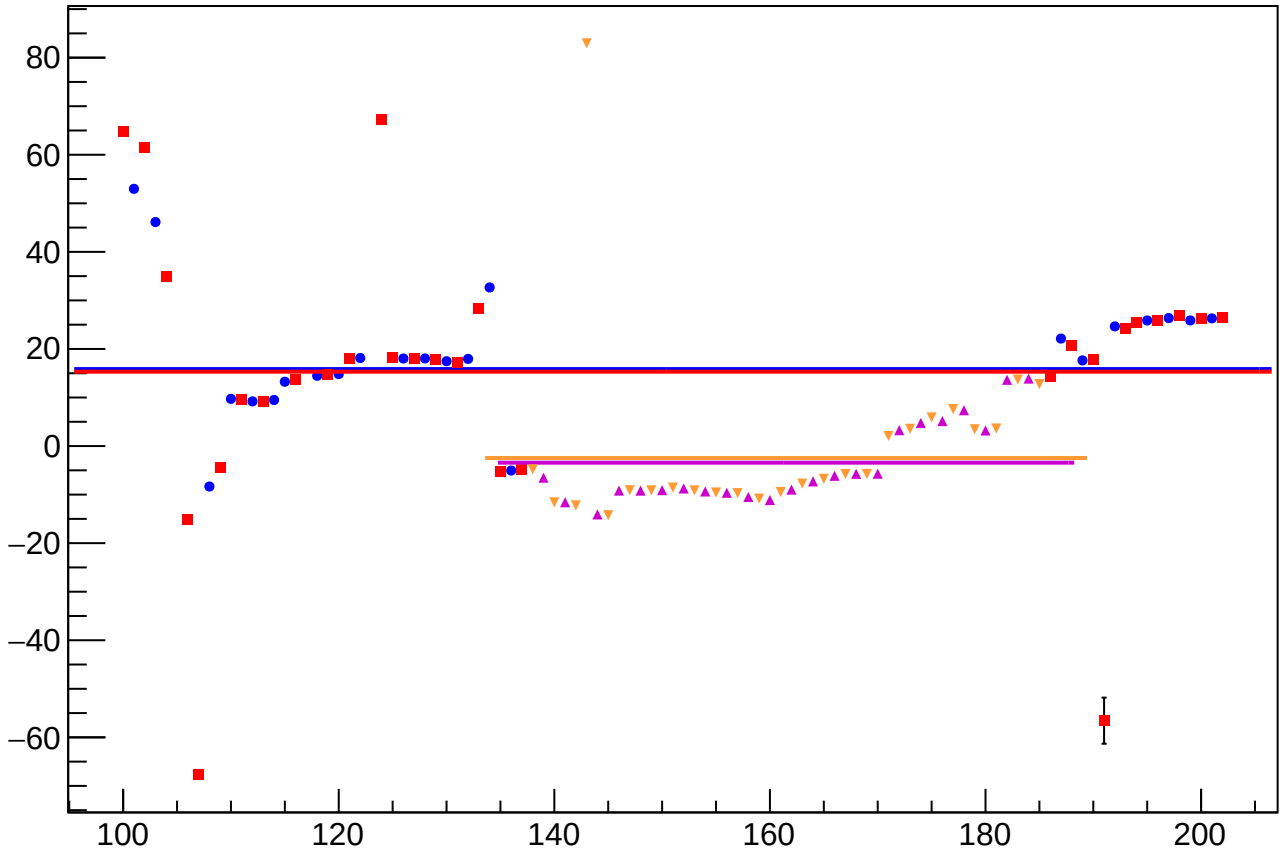
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.732+/-0.319 χ^2/NDF: 1753.8/51

In: -1.305+/-0.211 χ^2/NDF:1895.1/45

Out: -1.355+/-0.205 χ^2/NDF:2072.7/53

All: -1.331+/-0.147 χ^2/NDF: 3967.8/99



Right In: 15.856+/-0.024 χ^2/NDF: 421487.5/22

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.320+/-0.023 χ^2/NDF: 547491.6/28

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

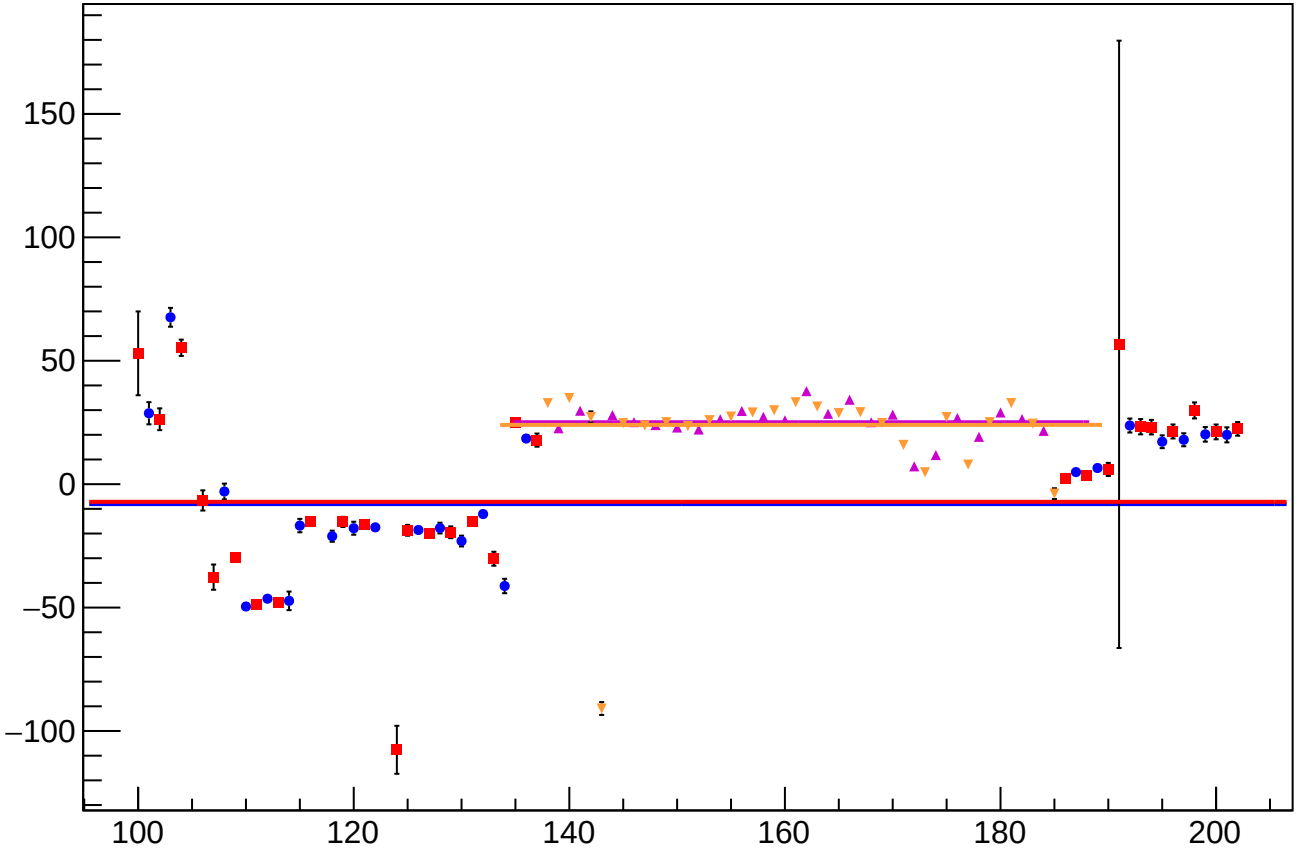
Right: 15.579+/-0.017 χ^2/NDF: 969234.2/51

In: -0.378+/-0.010 χ^2/NDF:1505904.1/45

Out: 0.483+/-0.009 χ^2/NDF:1996050.1/53

All: 0.058+/-0.007 χ^2/NDF: 3506042.7/99

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.078+/-0.464 χ^2/NDF: 2909.9/22

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -7.154+/-0.411 χ^2/NDF: 3352.3/28

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

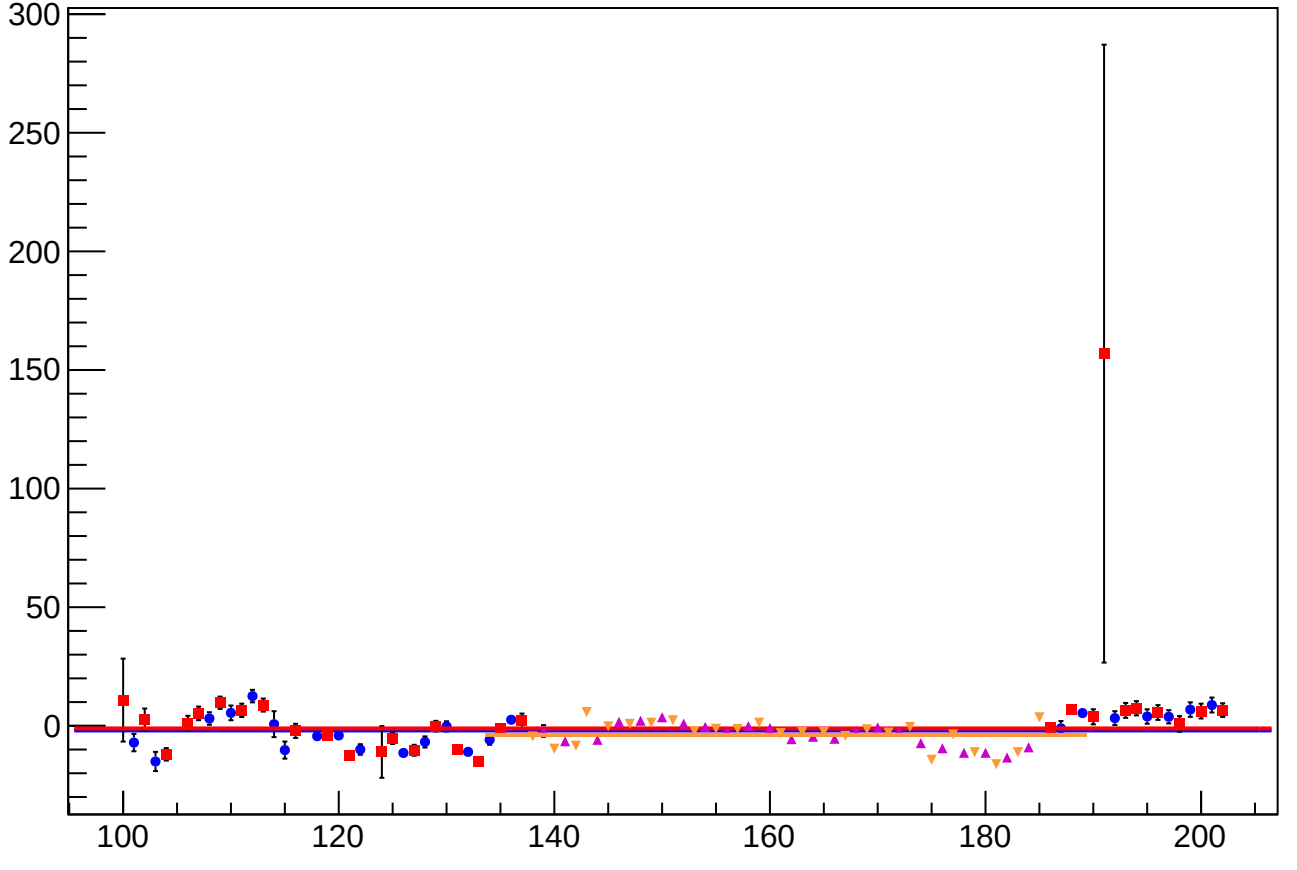
Right: -7.560+/-0.308 χ^2/NDF: 6264.4/51

In: 15.916+/-0.244 χ^2/NDF:7093.6/45

Out: 14.050+/-0.233 χ^2/NDF:10064.8/53

All: 14.937+/-0.168 χ^2/NDF: 17189.0/99

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.939+/-0.490 χ^2/NDF: 176.7/22

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.106+/-0.459 χ^2/NDF: 248.4/28

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

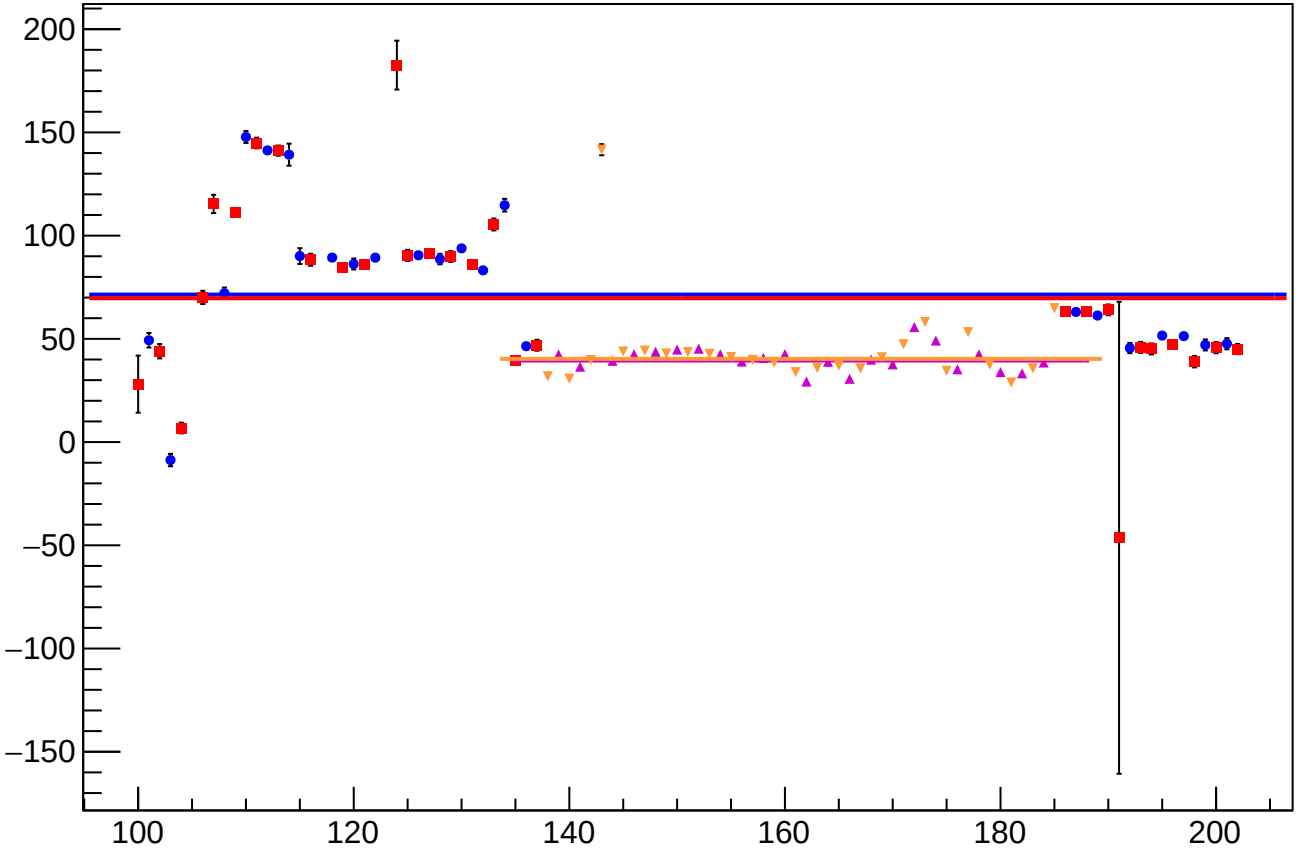
Right: -1.496+/-0.335 χ^2/NDF: 426.7/51

In: -3.462+/-0.203 χ^2/NDF:698.3/45

Out: -3.342+/-0.197 χ^2/NDF:926.8/53

All: -3.400+/-0.141 χ^2/NDF: 1625.2/99

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 71.439+/-0.479 χ^2/NDF: 3993.7/22

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 69.657+/-0.407 χ^2/NDF: 4406.2/28

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

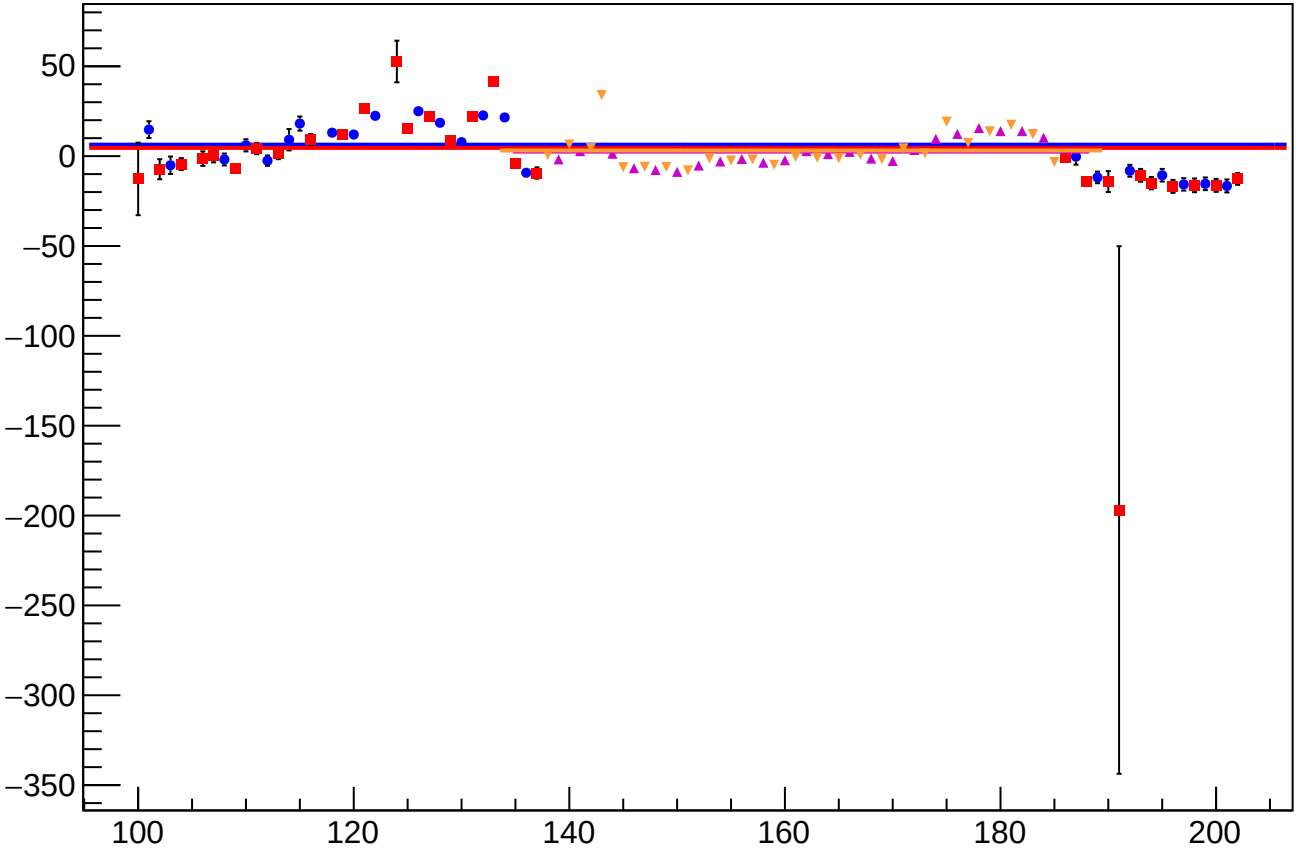
Right: 70.405+/-0.310 χ^2/NDF: 8407.9/51

In: 47.842+/-0.245 χ^2/NDF:7710.3/45

Out: 49.736+/-0.231 χ^2/NDF:10111.1/53

All: 48.844+/-0.168 χ^2/NDF: 17853.1/99

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.382+/-0.567 χ^2/NDF: 596.5/22

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 4.581+/-0.547 χ^2/NDF: 821.9/28

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

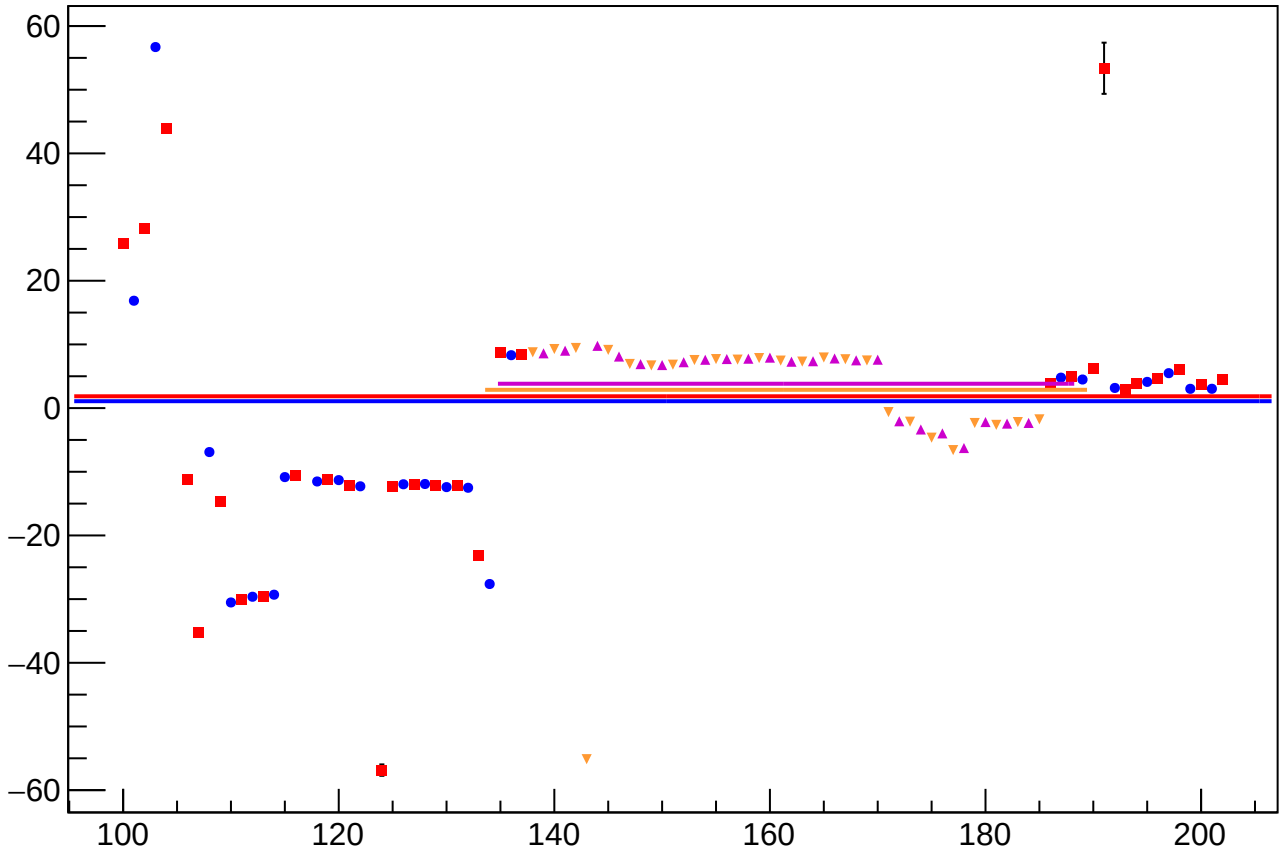
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 5.448+/-0.394 χ^2/NDF: 1423.7/51

In: 3.151+/-0.230 χ^2/NDF:1603.5/45

Out: 3.383+/-0.224 χ^2/NDF:2094.7/53

All: 3.270+/-0.160 χ^2/NDF: 3698.7/99



Right In: 1.083+/-0.028 χ^2/NDF: 374869.5/22

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.855+/-0.027 χ^2/NDF: 326106.4/28

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

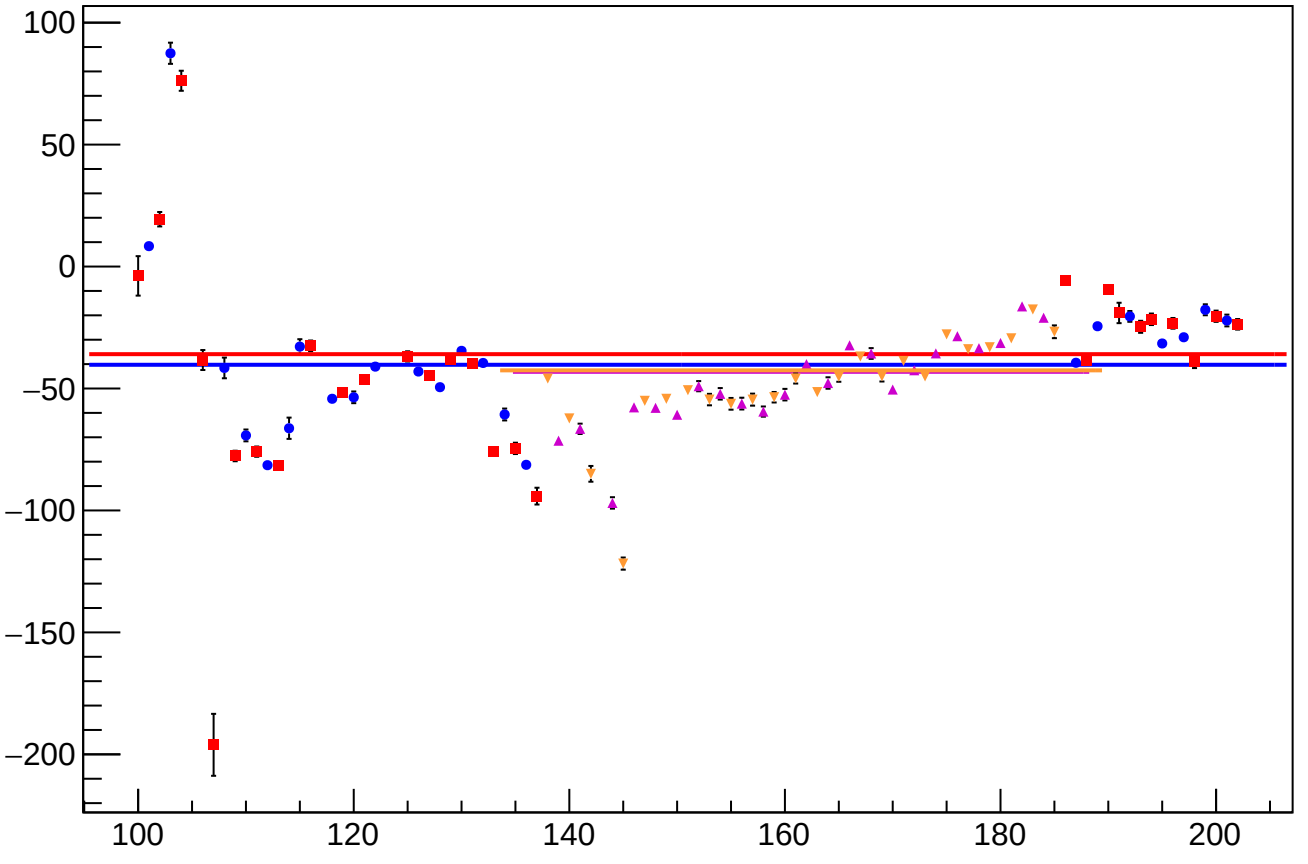
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 1.486+/-0.019 χ^2/NDF: 701379.6/51

In: 3.447+/-0.010 χ^2/NDF:616510.7/45

Out: 2.722+/-0.010 χ^2/NDF:839682.8/53

All: 3.079+/-0.007 χ^2/NDF: 1458703.6/99



Right In: -40.274+/-0.423 χ^2/NDF: 3359.6/22

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -35.920+/-0.363 χ^2/NDF: 5167.9/27

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

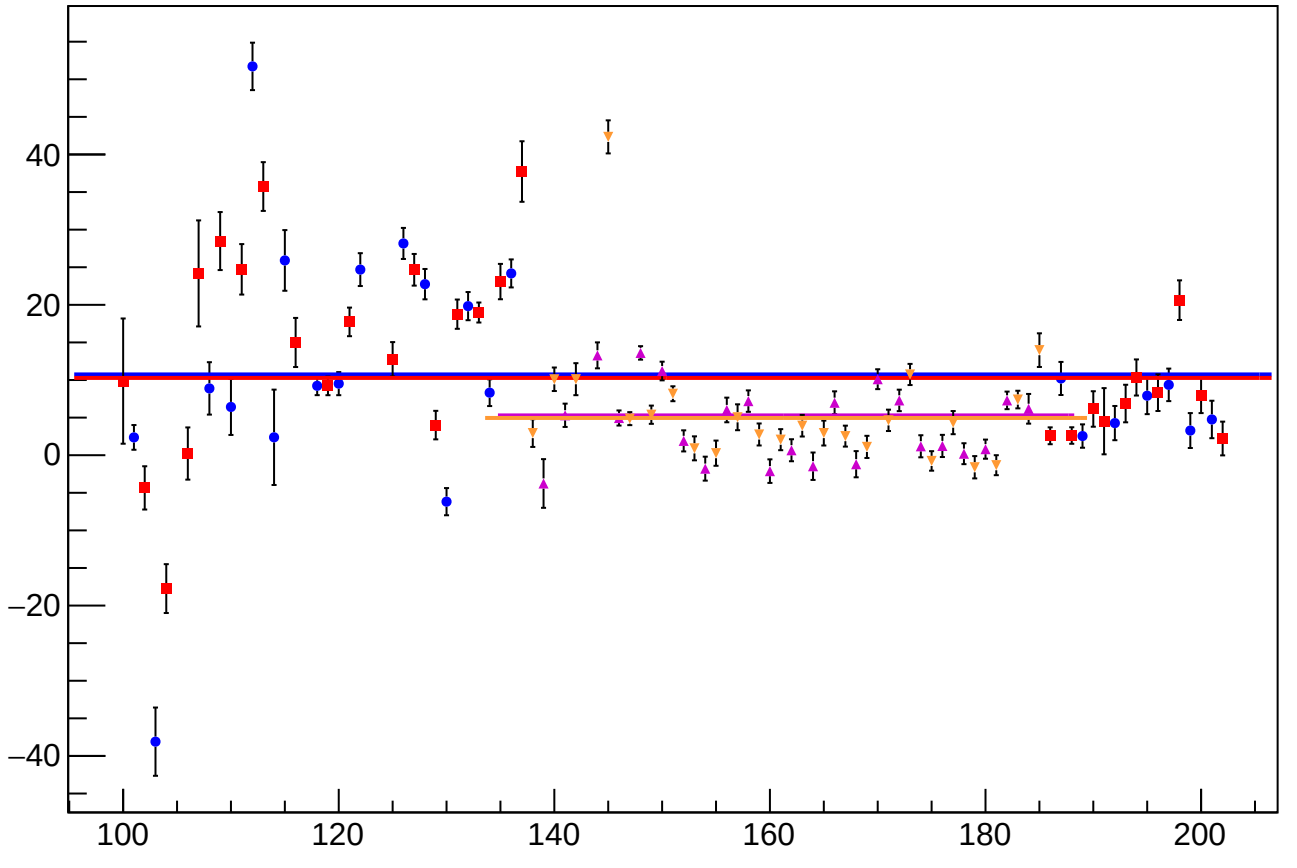
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -37.766+/-0.275 χ^2/NDF: 8588.6/50

In: -41.859+/-0.283 χ^2/NDF:5591.7/45

Out: -39.099+/-0.262 χ^2/NDF:7654.9/51

All: -40.371+/-0.192 χ^2/NDF: 13297.9/97



Right In: 10.743+/-0.436 χ^2/NDF: 695.9/22

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.279+/-0.400 χ^2/NDF: 562.2/27

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

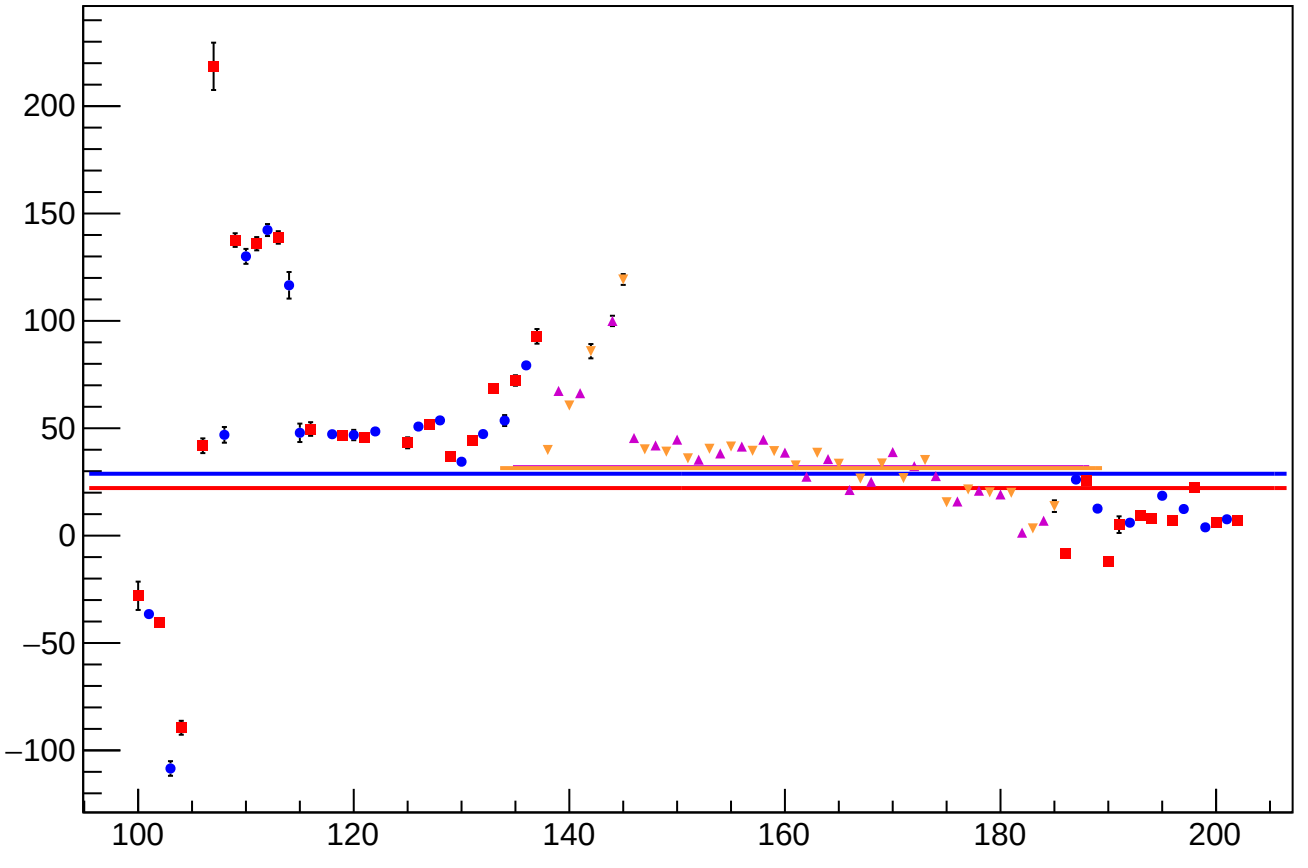
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 10.491+/-0.295 χ^2/NDF: 1258.7/50

In: 6.997+/-0.244 χ^2/NDF:1089.6/45

Out: 6.776+/-0.234 χ^2/NDF:1127.8/51

All: 6.882+/-0.169 χ^2/NDF: 2217.9/97



Right In: 28.815+/-0.413 χ^2/NDF: 8429.5/22

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 22.149+/-0.337 χ^2/NDF: 11226.5/27

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

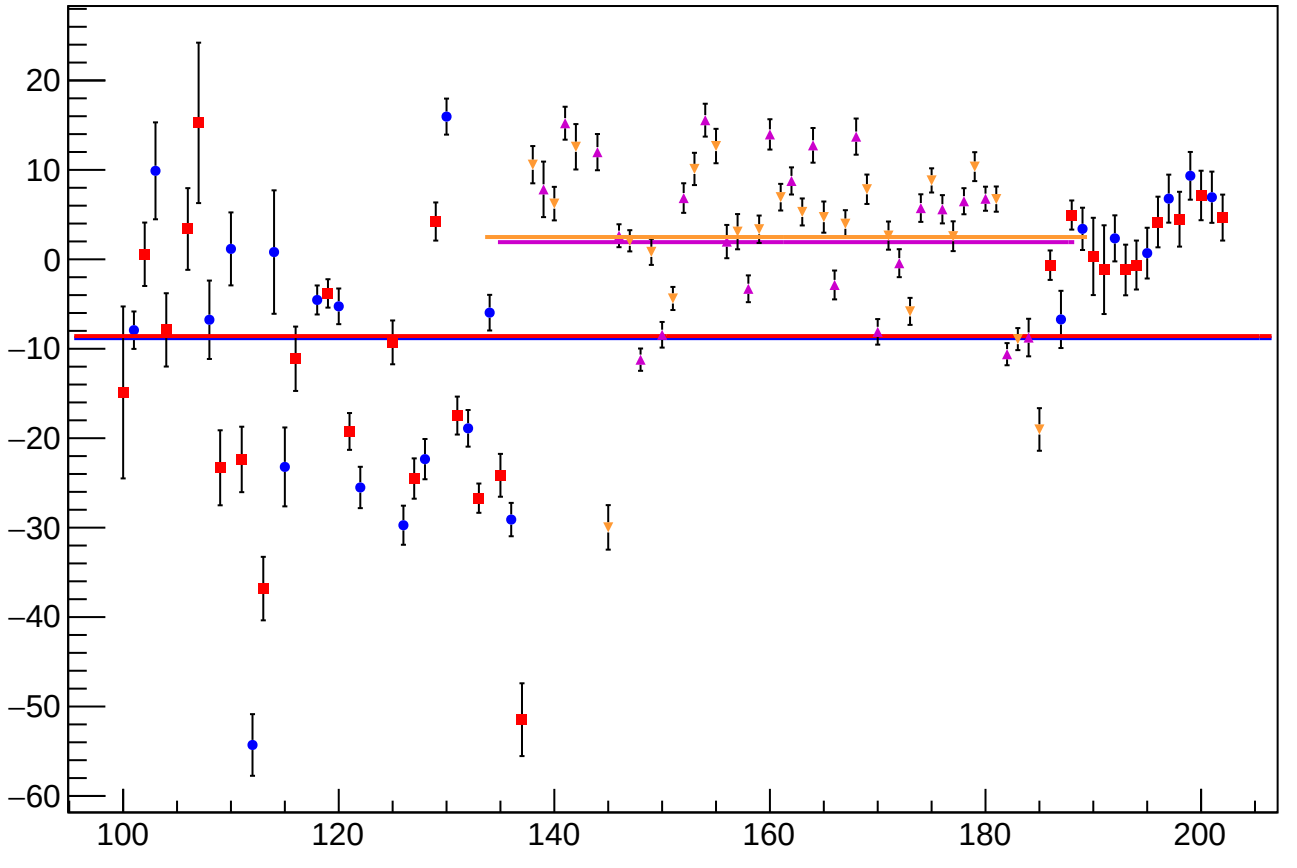
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 24.816+/-0.261 χ^2/NDF: 19812.5/50

In: 30.490+/-0.279 χ^2/NDF:11227.0/45

Out: 26.295+/-0.251 χ^2/NDF:14327.4/51

All: 28.172+/-0.186 χ^2/NDF: 25679.6/97



Right In: -8.813+/-0.518 χ^2/NDF: 858.2/22

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -8.583+/-0.490 χ^2/NDF: 738.1/27

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

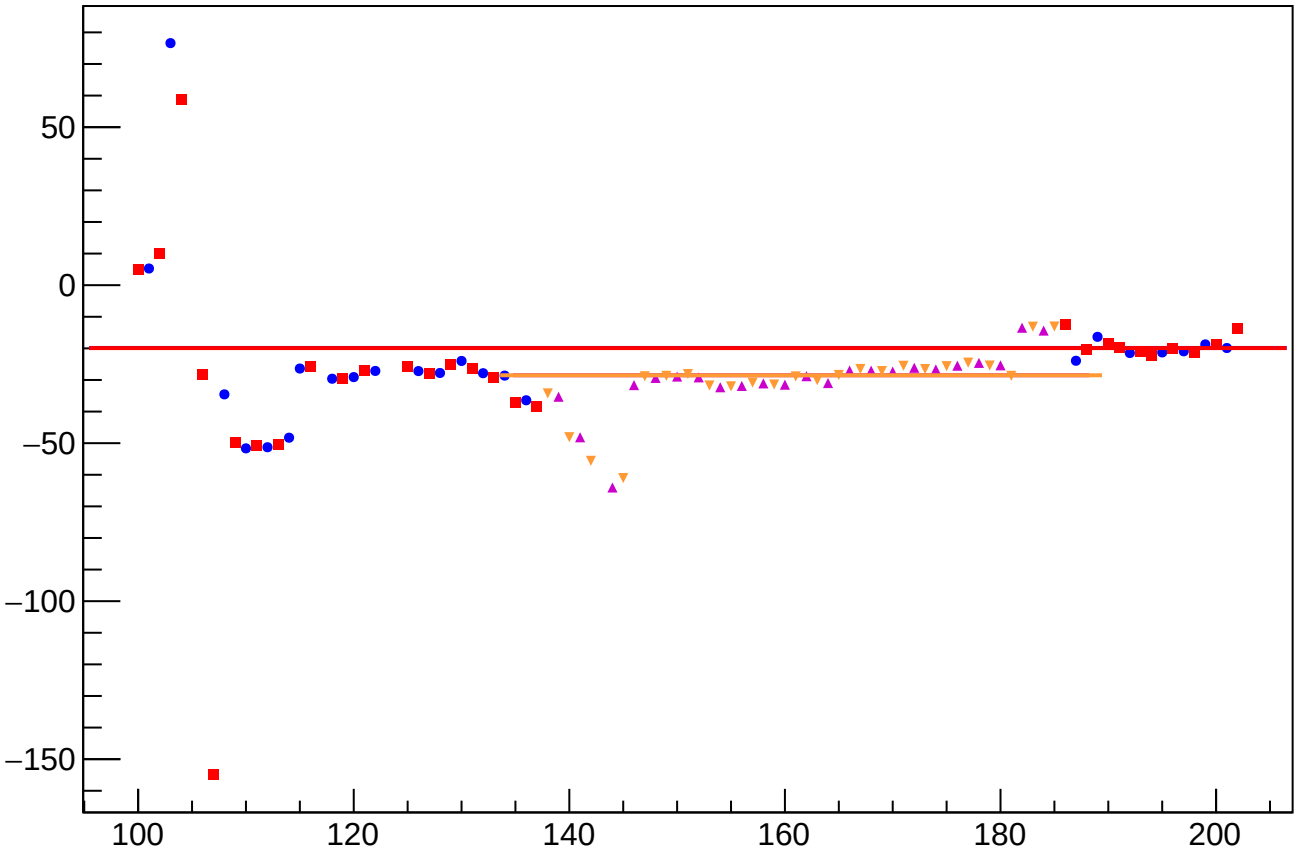
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -8.692+/-0.356 χ^2/NDF: 1596.4/50

In: -1.208+/-0.279 χ^2/NDF:1841.8/45

Out: -0.911+/-0.272 χ^2/NDF:1650.1/51

All: -1.055+/-0.195 χ^2/NDF: 3492.5/97



Right In: -19.870+/-0.025 χ^2/NDF: 649685.6/22

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -19.911+/-0.023 χ^2/NDF: 561773.4/27

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

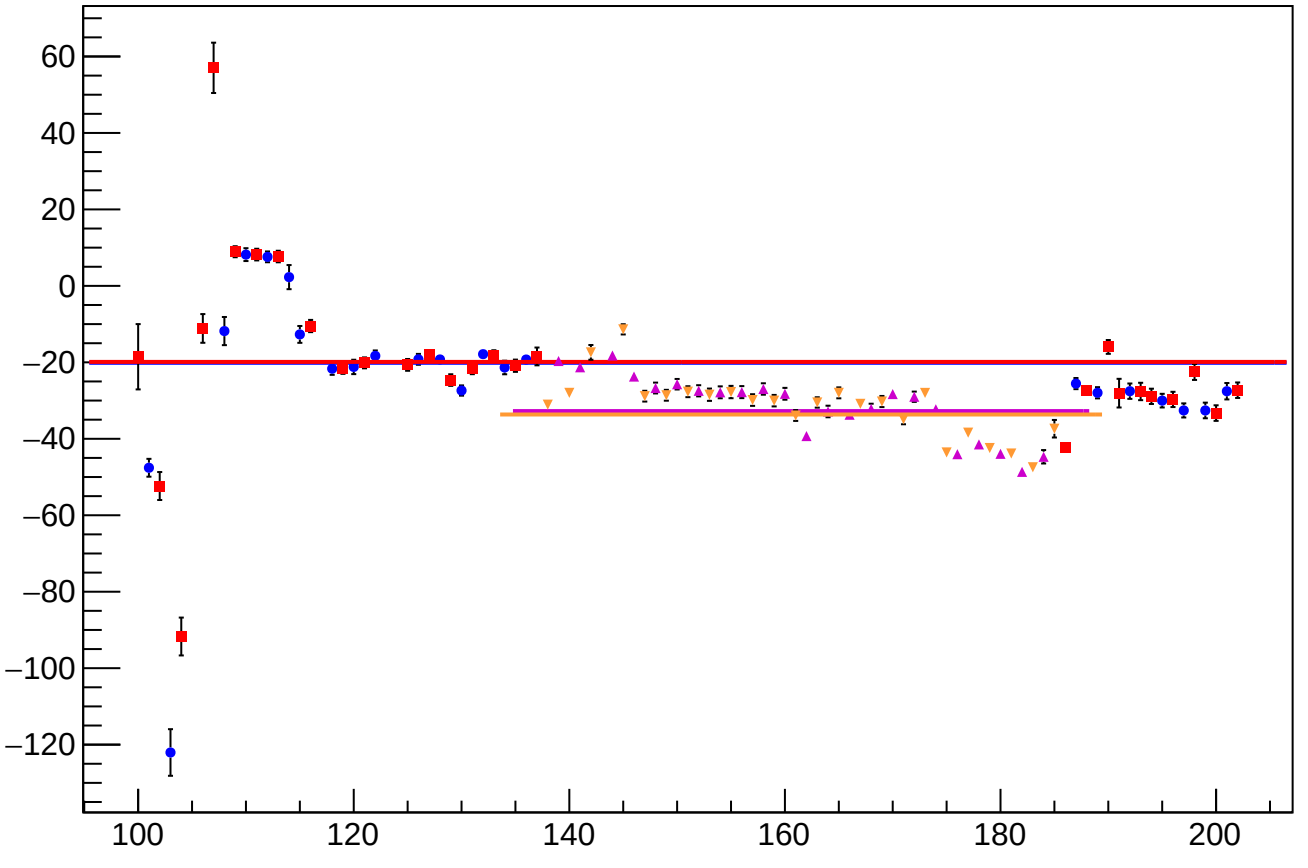
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -19.892+/-0.017 χ^2/NDF: 1211460.5/50

In: -26.227+/-0.013 χ^2/NDF:1026643.8/45

Out: -26.019+/-0.012 χ^2/NDF:993977.8/51

All: -26.121+/-0.009 χ^2/NDF: 2020759.2/97



Right In: -20.113+/-0.346 χ^2/NDF: 1371.4/22

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.885+/-0.319 χ^2/NDF: 2070.1/27

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

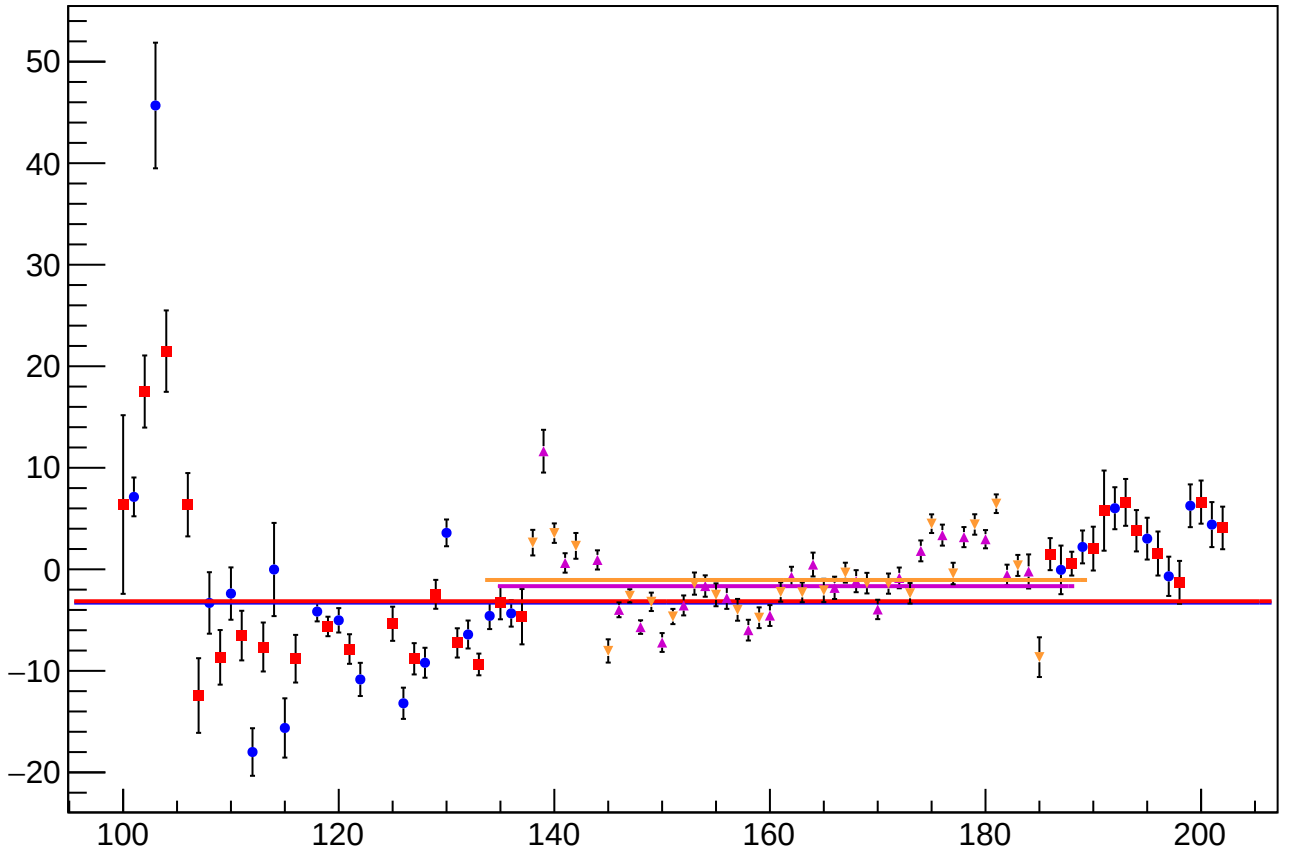
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -19.990+/-0.234 χ^2/NDF: 3441.8/50

In: -27.992+/-0.212 χ^2/NDF:3348.6/45

Out: -28.020+/-0.204 χ^2/NDF:4186.4/51

All: -28.007+/-0.147 χ^2/NDF: 7535.0/97



Right In: -3.279+/-0.355 χ^2/NDF: 343.4/22

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.145+/-0.345 χ^2/NDF: 276.2/27

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

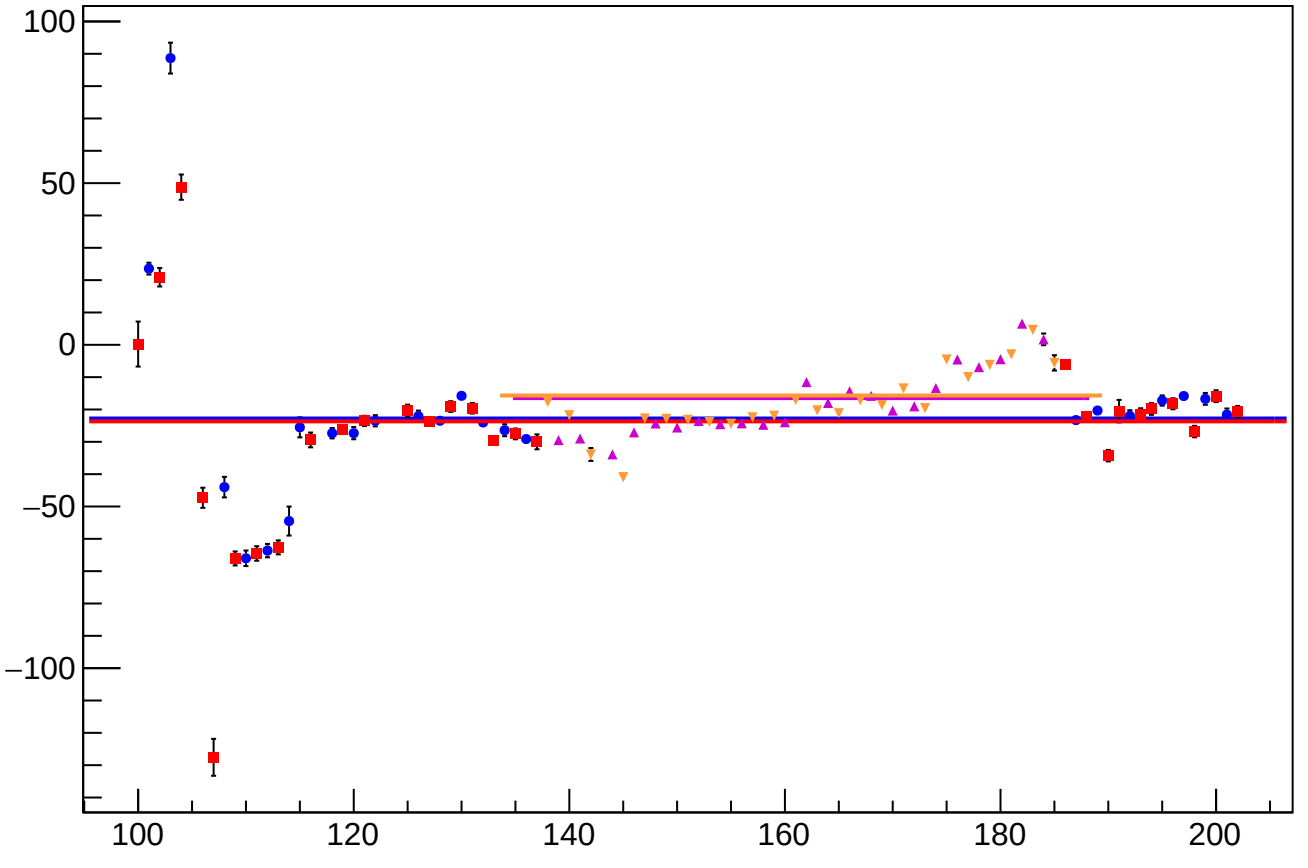
Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

Right: -3.210+/-0.247 χ^2/NDF: 619.7/50

In: -2.069+/-0.179 χ^2/NDF:623.3/45

Out: -1.589+/-0.175 χ^2/NDF:593.0/51

All: -1.824+/-0.125 χ^2/NDF: 1220.1/97



Right In: -22.792+/-0.356 χ^2/NDF: 2117.9/22

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -23.672+/-0.319 χ^2/NDF: 2468.2/27

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

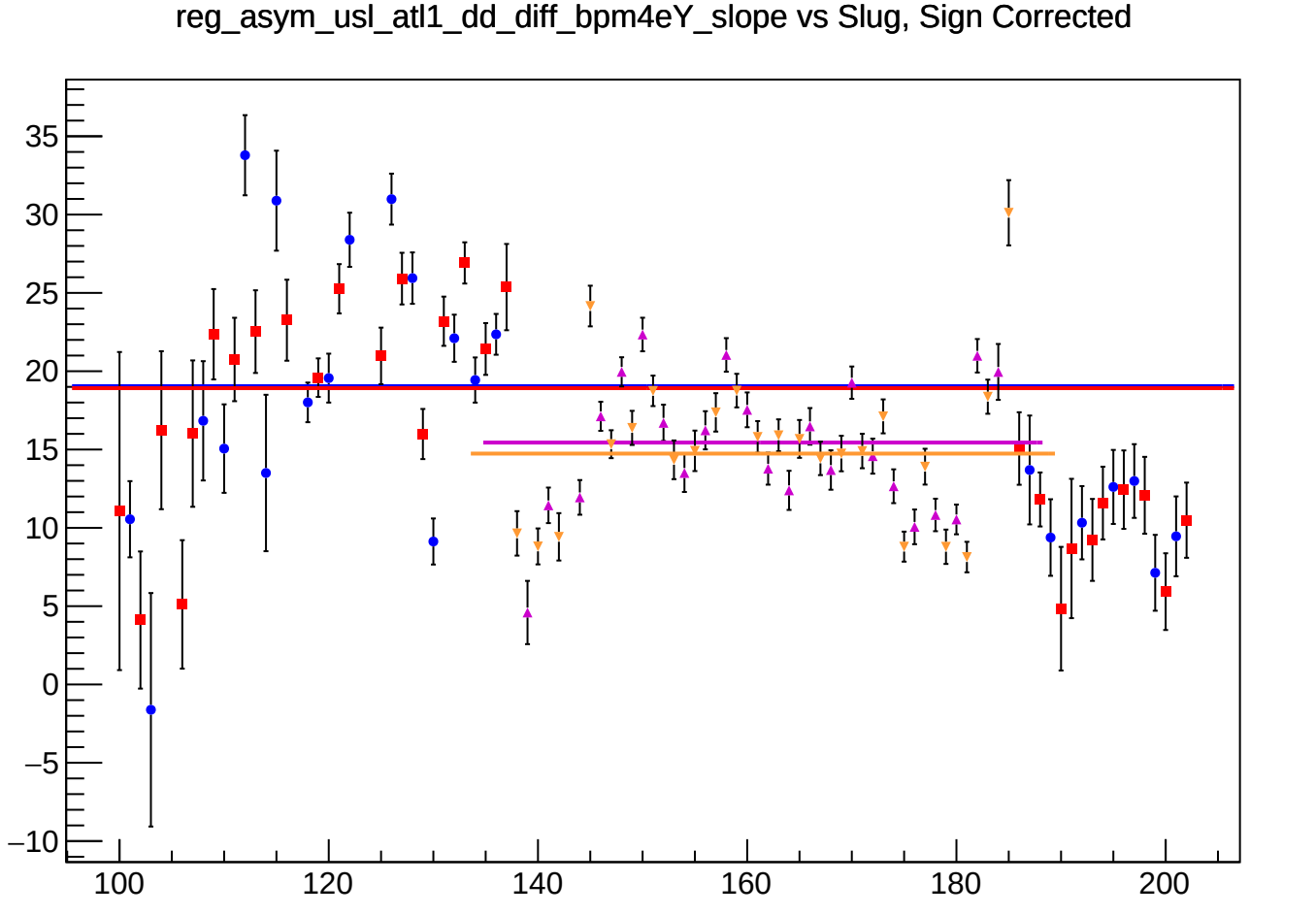
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

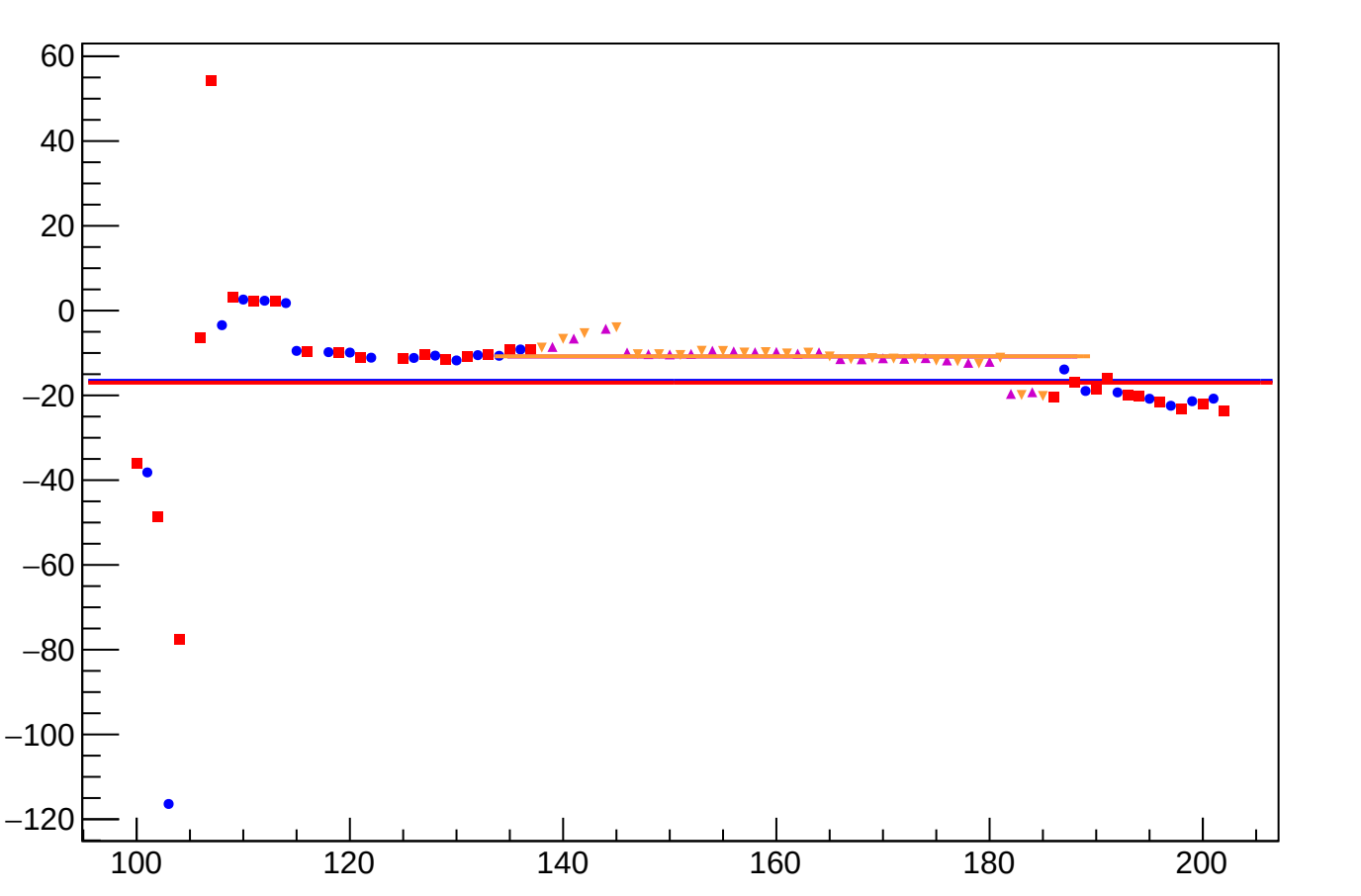
Right: -23.281+/-0.237 χ^2/NDF: 4589.4/50

In: -18.741+/-0.213 χ^2/NDF:4017.4/45

Out: -18.917+/-0.203 χ^2/NDF:4363.8/51

All: -18.833+/-0.147 χ^2/NDF: 8381.6/97


reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 19.045+/-0.412 χ²/NDF: 312.4/22
Left Out: 14.740+/-0.229 χ²/NDF:331.0/23
Right Out: 18.918+/-0.408 χ²/NDF: 238.3/27
Left In: 15.444+/-0.233 χ²/NDF:290.4/22
Left: 15.087+/-0.163 χ²/NDF: 626.0/46
Right: 18.981+/-0.290 χ²/NDF: 550.8/50
In: 16.316+/-0.203 χ²/NDF:660.6/45
Out: 15.743+/-0.200 χ²/NDF:648.9/51
All: 16.026+/-0.142 χ²/NDF: 1313.6/97



Right In: -16.571+/-0.021 χ^2/NDF: 379758.5/22

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -16.998+/-0.020 χ^2/NDF: 374282.5/27

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

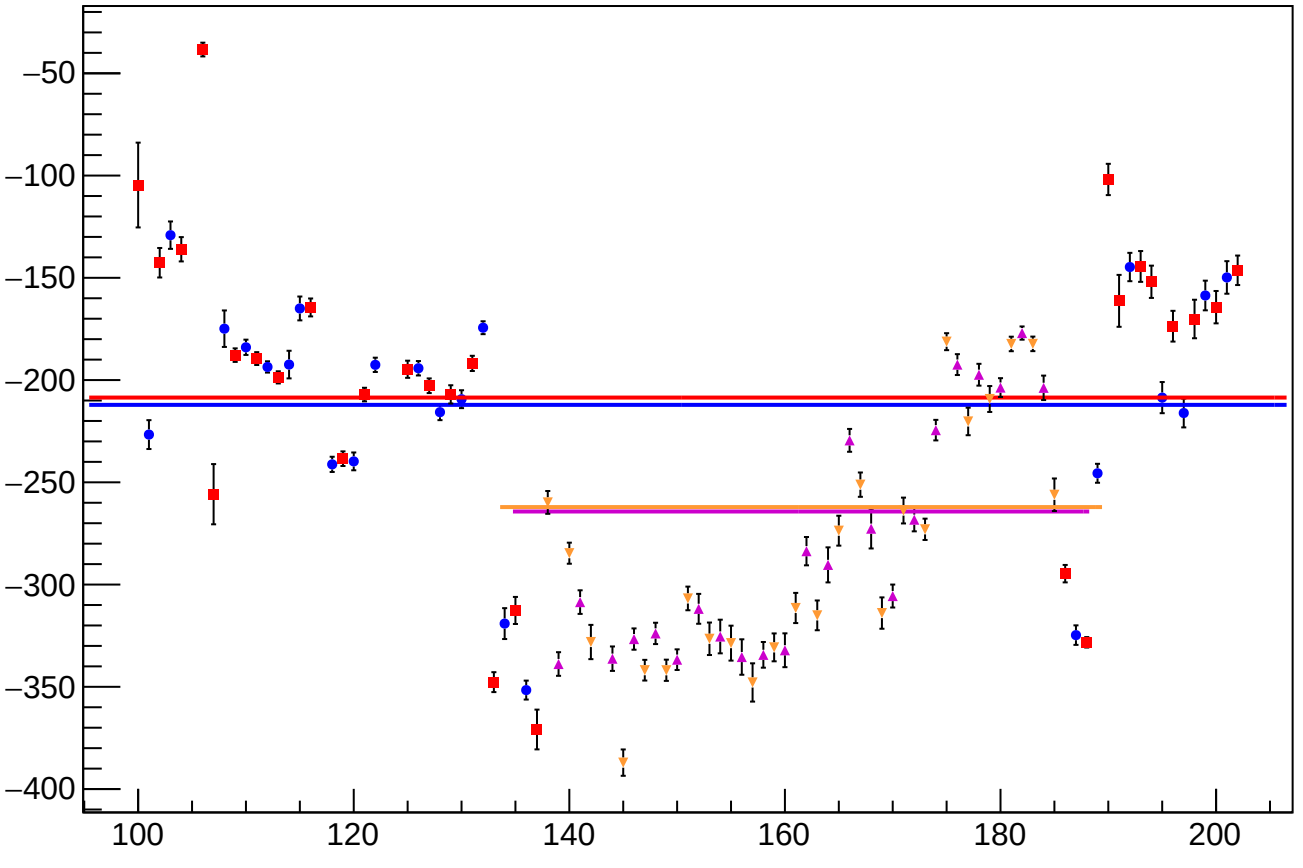
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -16.792+/-0.014 χ^2/NDF: 754260.7/50

In: -11.970+/-0.009 χ^2/NDF:515164.2/45

Out: -12.082+/-0.009 χ^2/NDF:535685.6/51

All: -12.027+/-0.006 χ^2/NDF: 1050922.9/97



Right In: -212.128+/-0.970 χ^2/NDF: 2581.2/22

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -208.557+/-0.867 χ^2/NDF: 7541.6/27

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

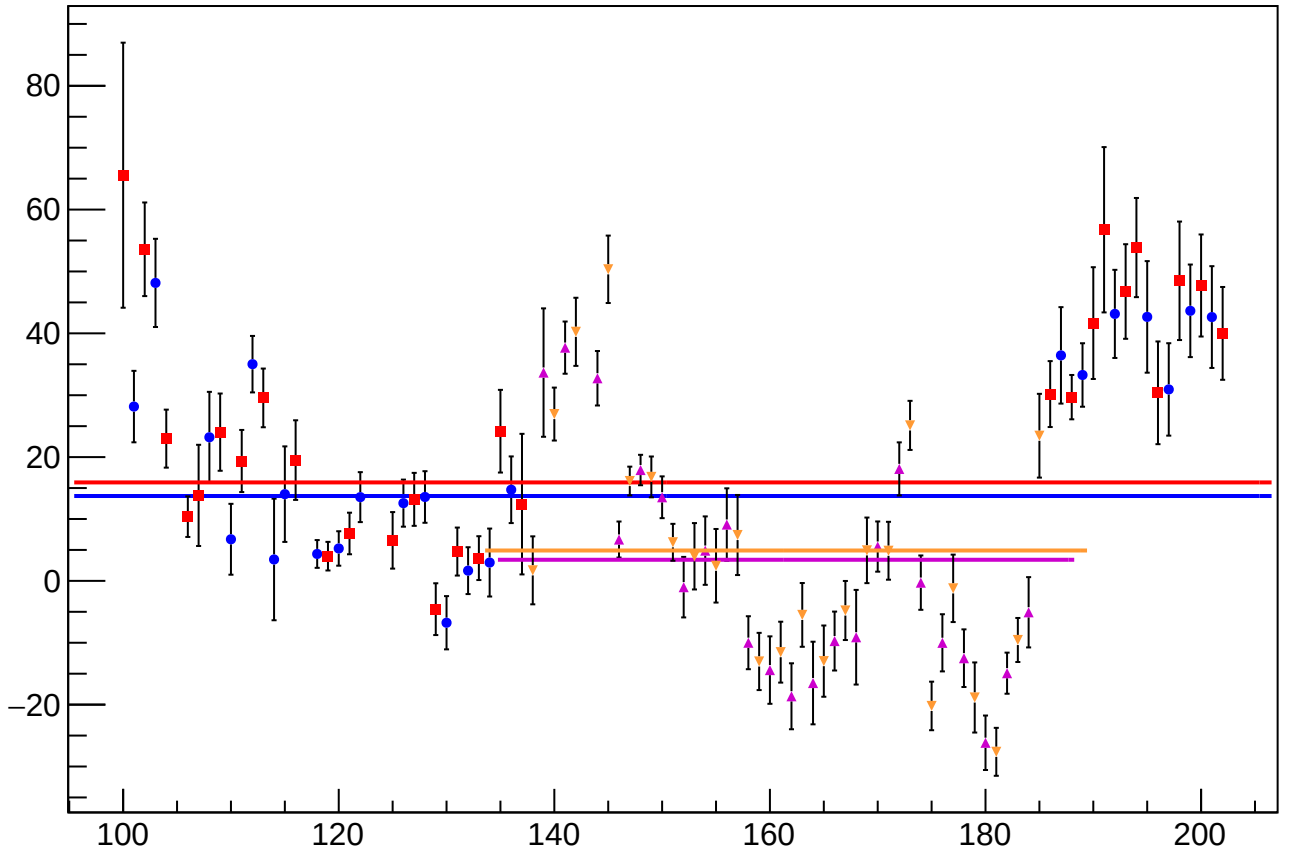
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -210.142+/-0.646 χ^2/NDF: 10130.3/50

In: -233.038+/-0.751 χ^2/NDF:6481.7/45

Out: -227.333+/-0.698 χ^2/NDF:11845.2/51

All: -229.979+/-0.511 χ^2/NDF: 18357.9/97



Right In: 13.713+/-0.991 χ^2/NDF: 203.2/22

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 15.909+/-0.937 χ^2/NDF: 247.2/27

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

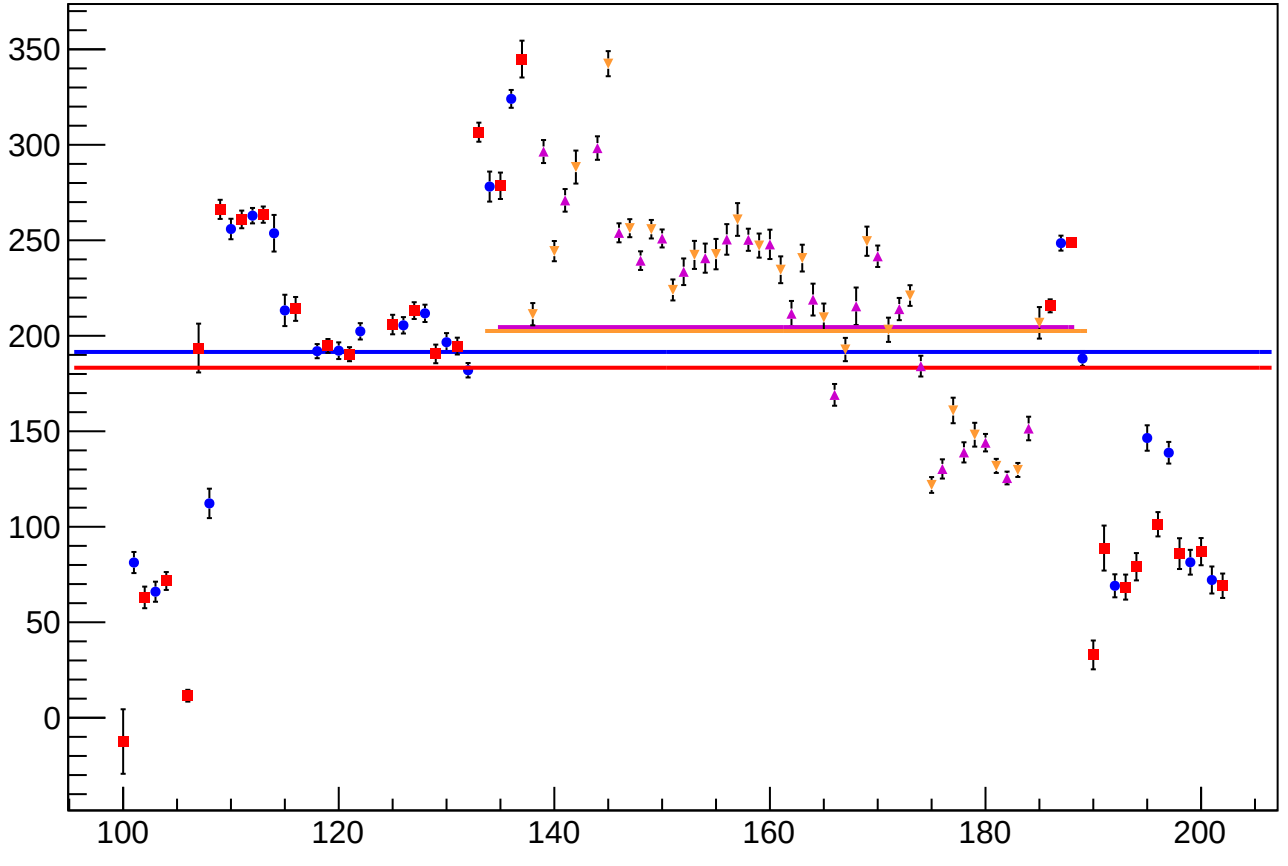
Right: 14.873+/-0.681 χ^2/NDF: 453.0/50

In: 8.070+/-0.667 χ^2/NDF:595.8/45

Out: 10.106+/-0.644 χ^2/NDF:718.9/51

All: 9.123+/-0.463 χ^2/NDF: 1319.5/97

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 191.538+/-1.043 χ^2/NDF: 3879.5/22

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 183.274+/-0.899 χ^2/NDF: 9244.2/27

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

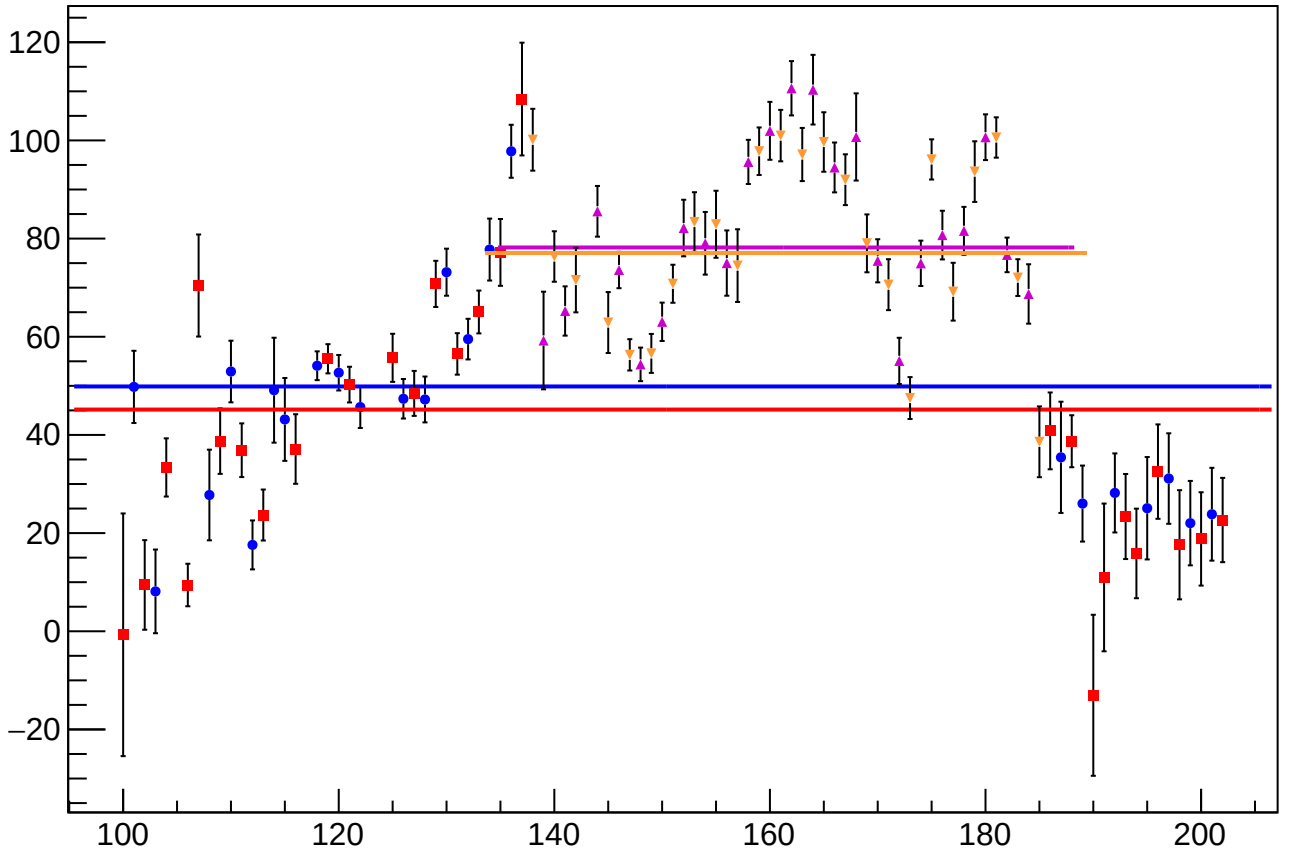
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 186.796+/-0.681 χ^2/NDF: 13159.7/50

In: 197.264+/-0.781 χ^2/NDF:6233.7/45

Out: 190.390+/-0.713 χ^2/NDF:11807.2/51

All: 193.519+/-0.527 χ^2/NDF: 18083.2/97



Right In: 49.876+/-1.167 χ^2/NDF: 250.5/22

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 45.168+/-1.113 χ^2/NDF: 306.2/27

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

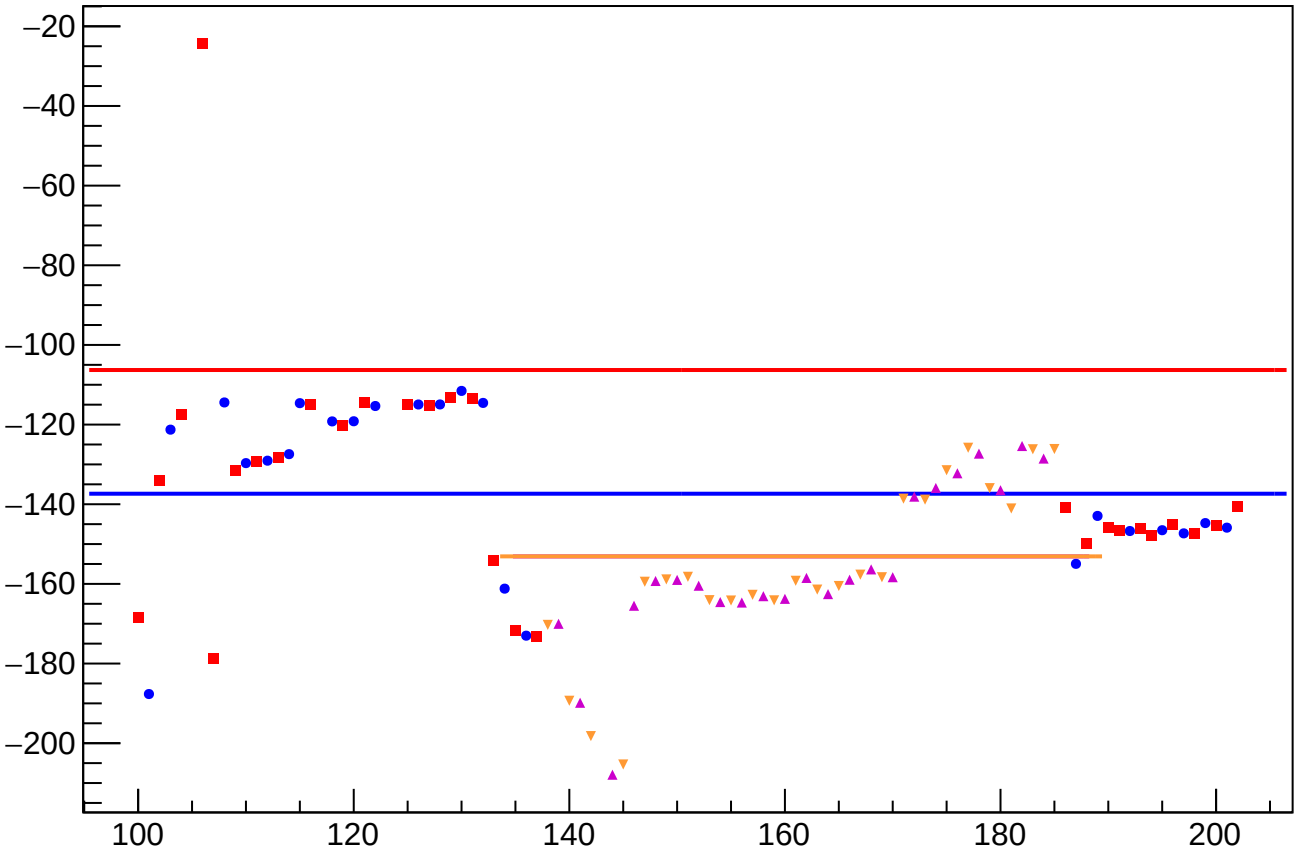
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 47.411+/-0.805 χ^2/NDF: 565.2/50

In: 65.850+/-0.770 χ^2/NDF:815.2/45

Out: 62.578+/-0.750 χ^2/NDF:1065.6/51

All: 64.171+/-0.537 χ^2/NDF: 1890.0/97



Right In: -137.358+/-0.066 χ^2/NDF: 102805.3/22

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -106.298+/-0.054 χ^2/NDF: 967269.4/27

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

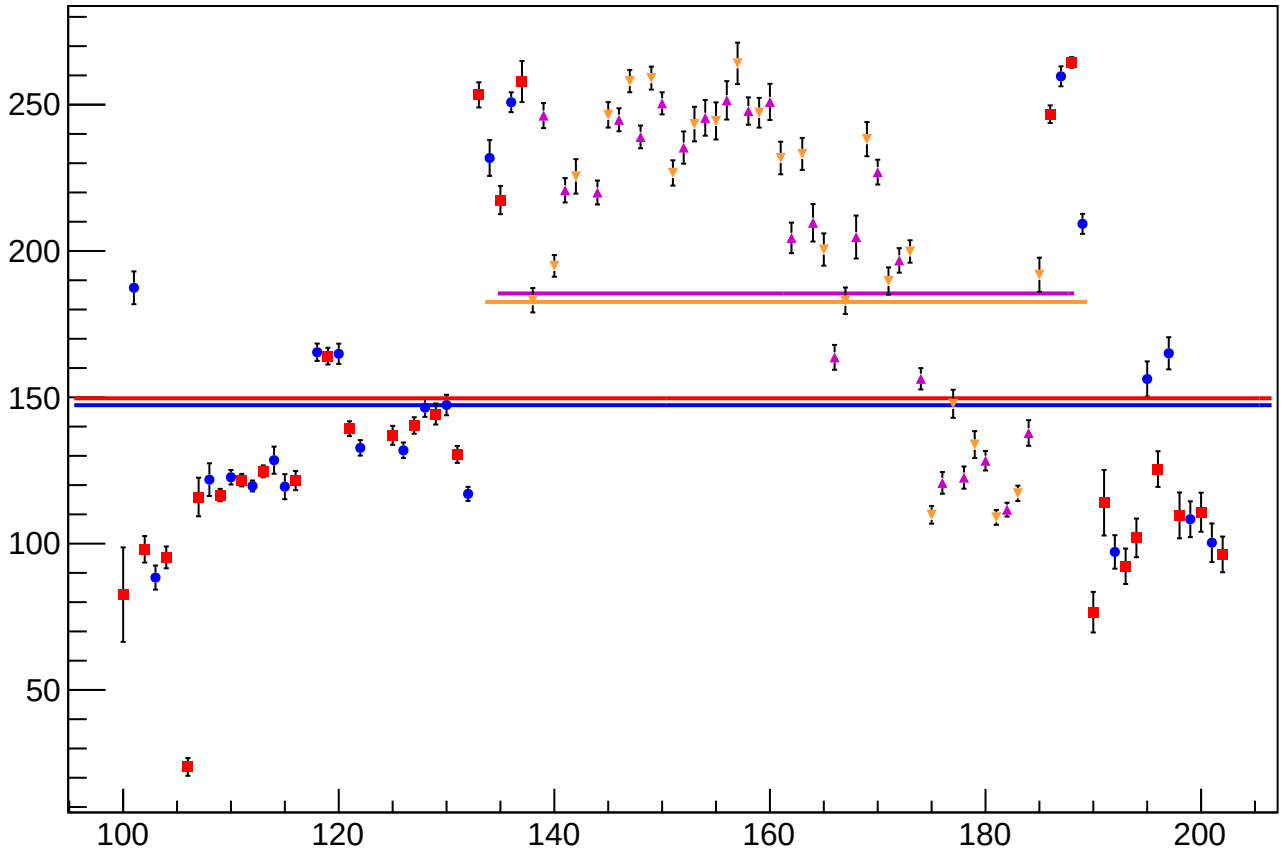
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -118.622+/-0.042 χ^2/NDF: 1203698.5/50

In: -147.859+/-0.038 χ^2/NDF:307412.1/45

Out: -132.757+/-0.035 χ^2/NDF:1577020.2/51

All: -139.732+/-0.026 χ^2/NDF: 1969052.1/97



Right In: 147.310+/-0.718 χ^2/NDF: 3655.1/22

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 149.668+/-0.640 χ^2/NDF: 9369.1/27

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

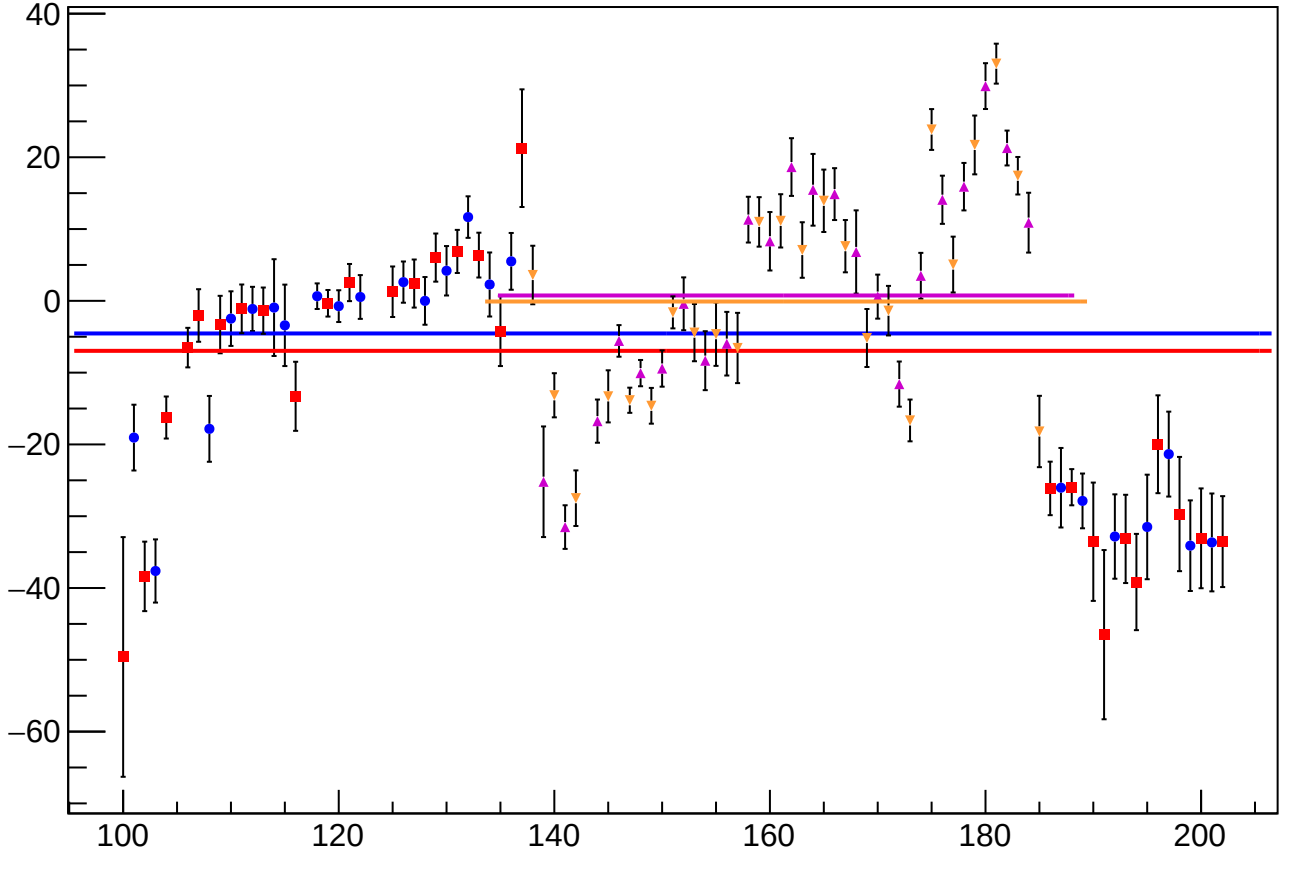
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 148.625+/-0.478 χ^2/NDF: 13030.1/50

In: 162.741+/-0.555 χ^2/NDF:8619.0/45

Out: 161.297+/-0.515 χ^2/NDF:14456.4/51

All: 161.965+/-0.377 χ^2/NDF: 23079.1/97



Right In: -4.543+/-0.755 χ^2/NDF: 283.2/22

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.965+/-0.705 χ^2/NDF: 365.2/27

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

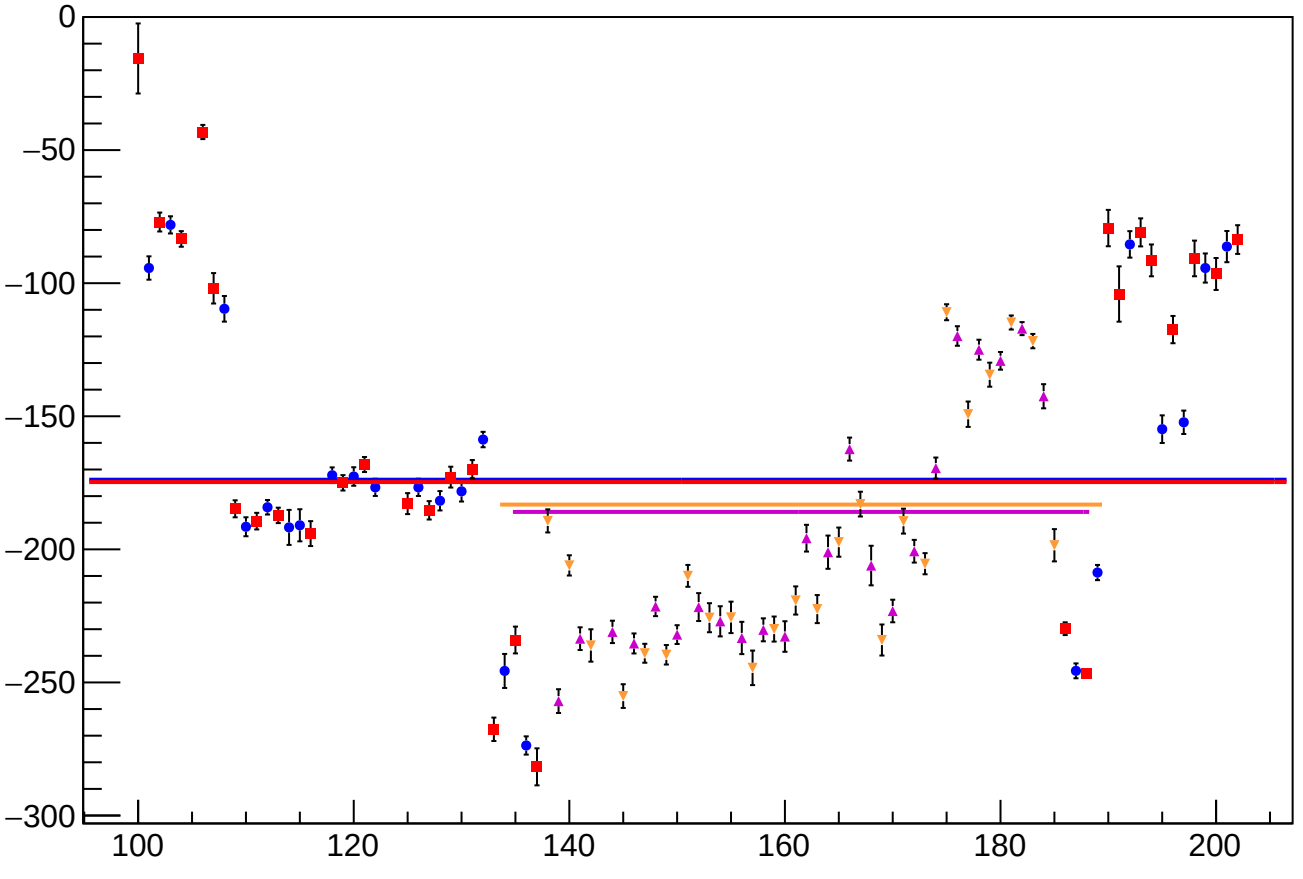
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -5.836+/-0.515 χ^2/NDF: 653.9/50

In: -1.566+/-0.499 χ^2/NDF:808.7/45

Out: -3.274+/-0.480 χ^2/NDF:971.5/51

All: -2.454+/-0.346 χ^2/NDF: 1786.2/97



Right In: -173.837+/-0.777 χ^2/NDF: 4044.5/22

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.722+/-0.666 χ^2/NDF: 9827.4/27

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

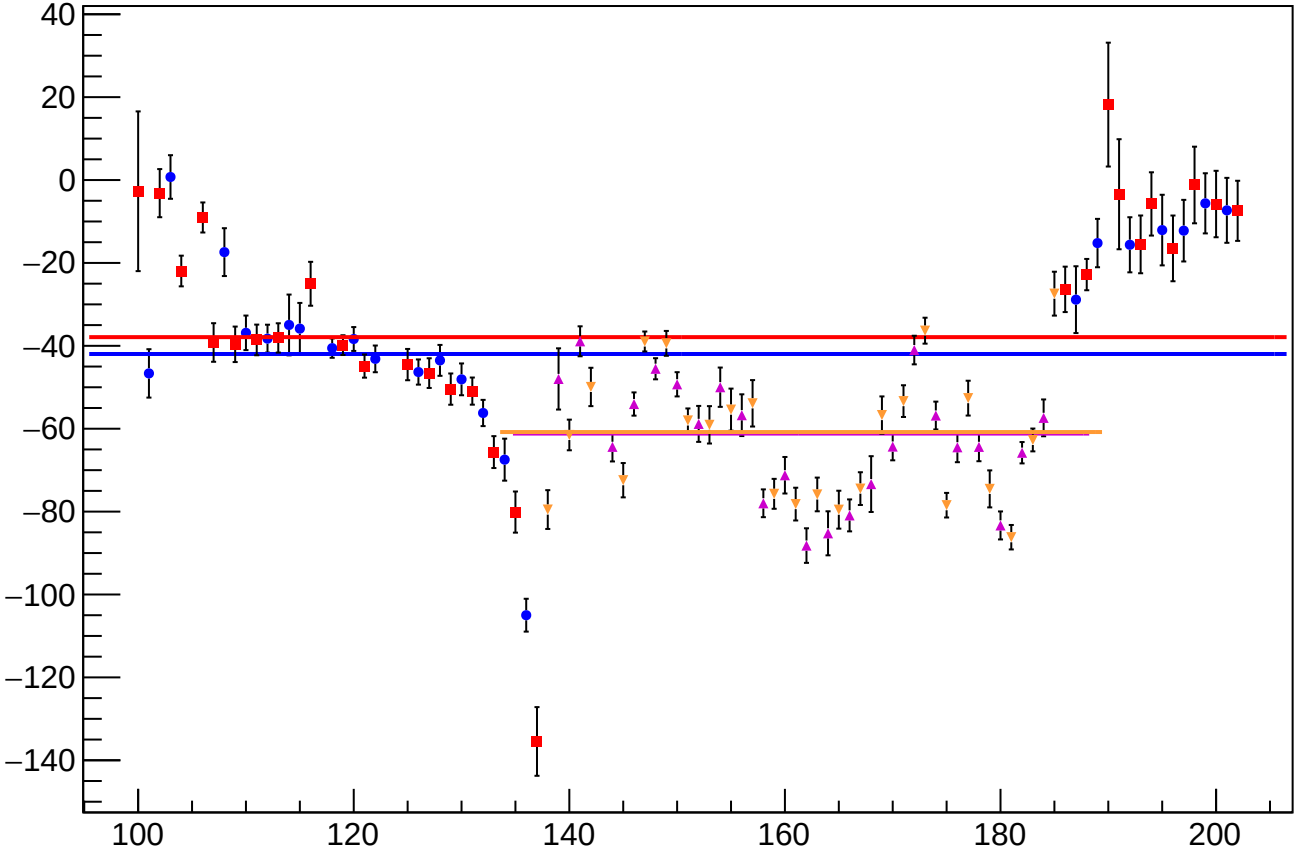
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -174.347+/-0.505 χ^2/NDF: 13872.6/50

In: -179.223+/-0.578 χ^2/NDF:7334.1/45

Out: -177.879+/-0.527 χ^2/NDF:13248.8/51

All: -178.489+/-0.390 χ^2/NDF: 20585.8/97



Right In: -41.972+/-0.887 χ^2/NDF: 507.1/22

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -37.904+/-0.838 χ^2/NDF: 559.0/27

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

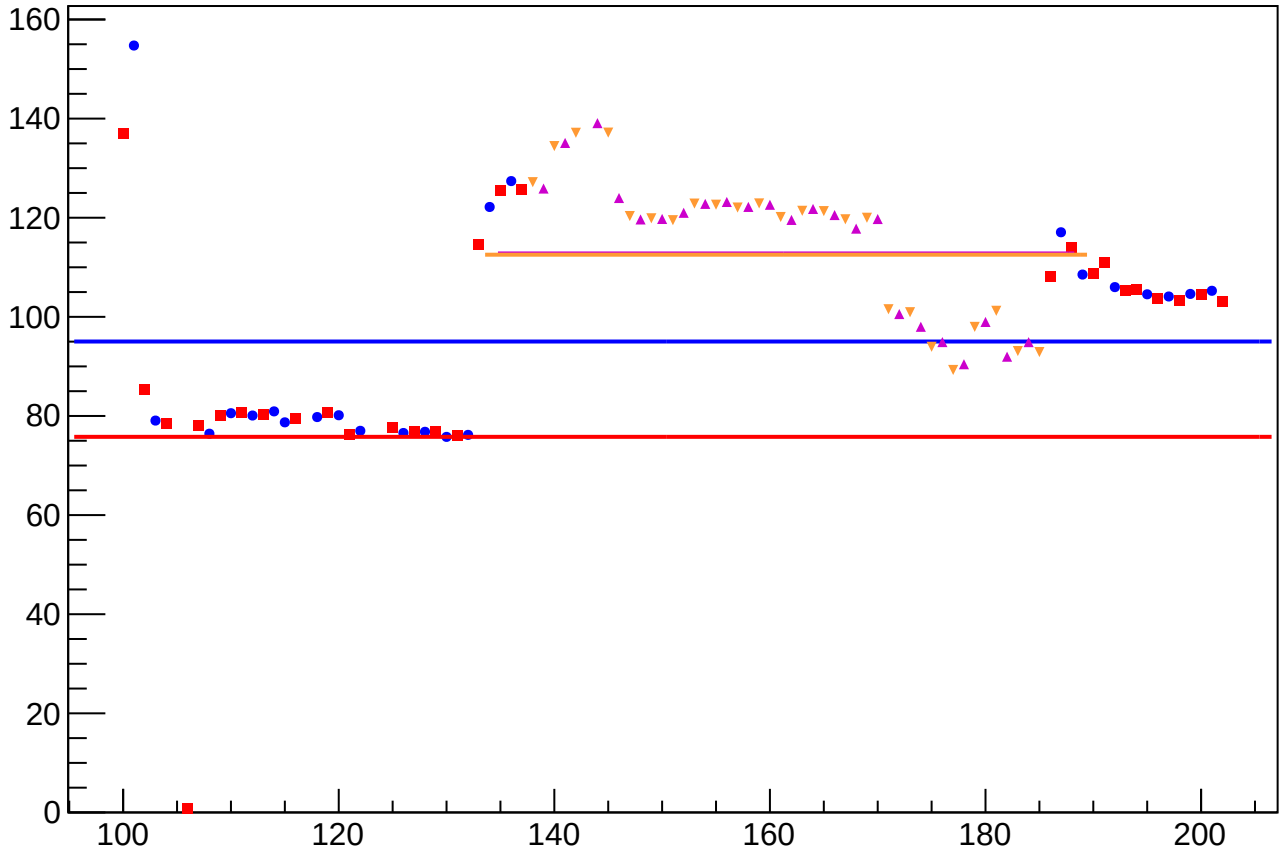
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -39.824+/-0.609 χ^2/NDF: 1077.2/50

In: -53.079+/-0.576 χ^2/NDF:1095.3/45

Out: -50.638+/-0.559 χ^2/NDF:1447.9/51

All: -51.822+/-0.401 χ^2/NDF: 2552.4/97



Right In: 95.022+/-0.050 χ^2/NDF: 181106.4/22

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 75.789+/-0.042 χ^2/NDF: 867956.2/27

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

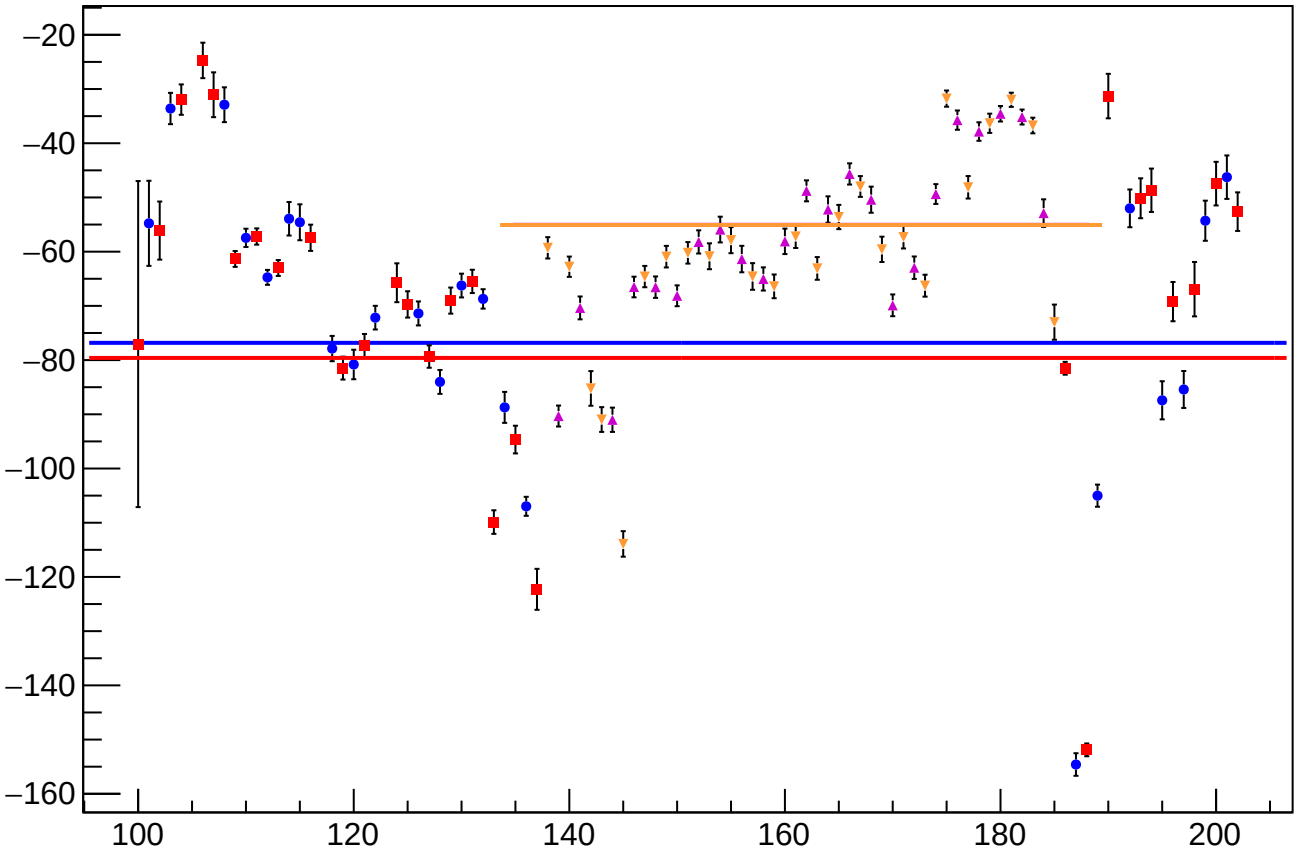
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

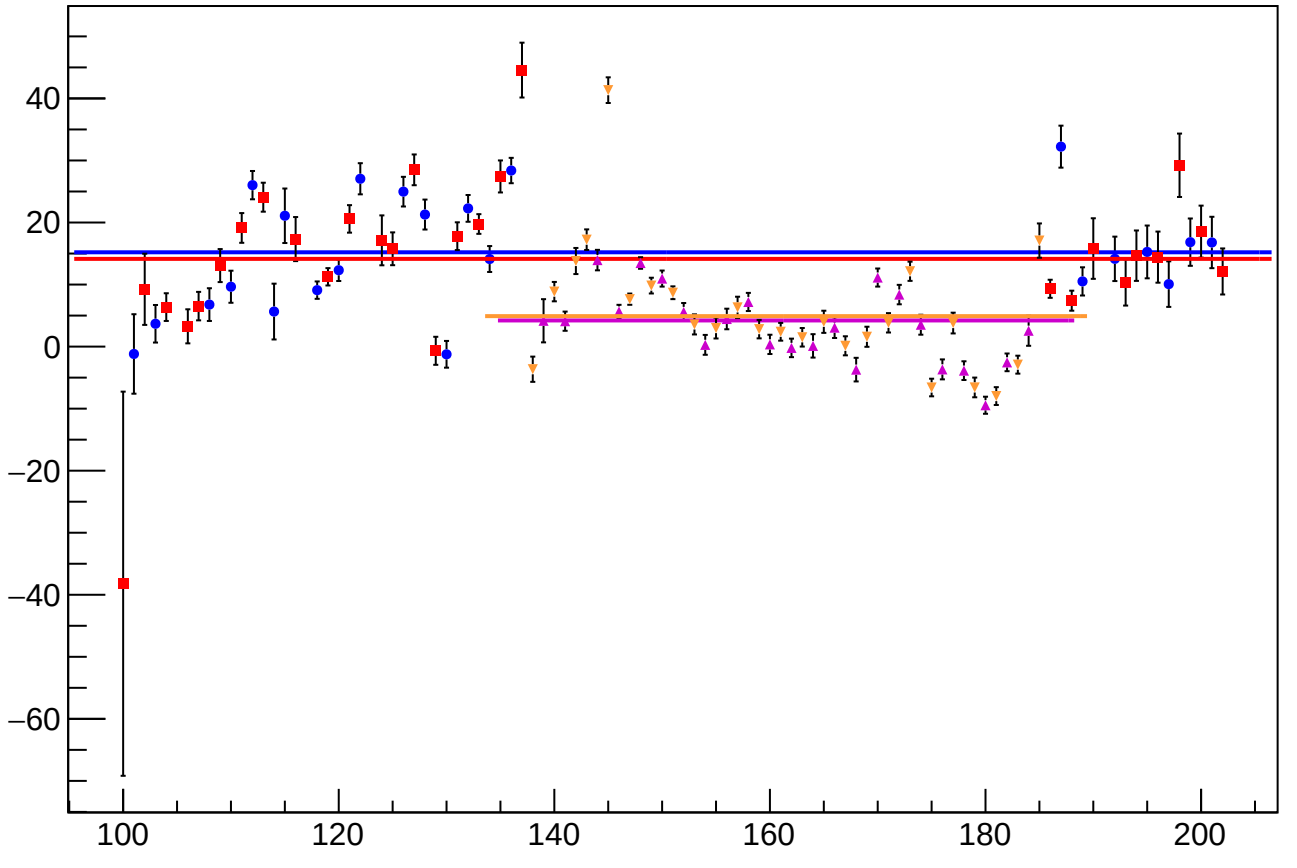
Right: 83.816+/-0.032 χ^2/NDF: 1136877.6/50

In: 107.006+/-0.028 χ^2/NDF:439539.0/45

Out: 97.660+/-0.027 χ^2/NDF:1499665.5/51

All: 102.062+/-0.019 χ^2/NDF: 1997003.6/97


reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
100
120
140
160
180
200
Right In: -76.818+/-0.496 χ²/NDF: 2856.4/22
Left Out: -55.077+/-0.401 χ²/NDF:2002.8/24
Right Out: -79.600+/-0.427 χ²/NDF: 5926.2/27
Left In: -55.050+/-0.410 χ²/NDF:1541.8/22
Left: -55.064+/-0.287 χ²/NDF: 3544.6/47
Right: -78.416+/-0.323 χ²/NDF: 8800.7/50
In: -63.904+/-0.316 χ²/NDF:5542.2/45
Out: -66.560+/-0.292 χ²/NDF:9684.3/52
All: -65.337+/-0.215 χ²/NDF: 15264.5/98



Right In: 15.201+/-0.529 χ^2/NDF: 274.4/22

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.141+/-0.473 χ^2/NDF: 284.8/27

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

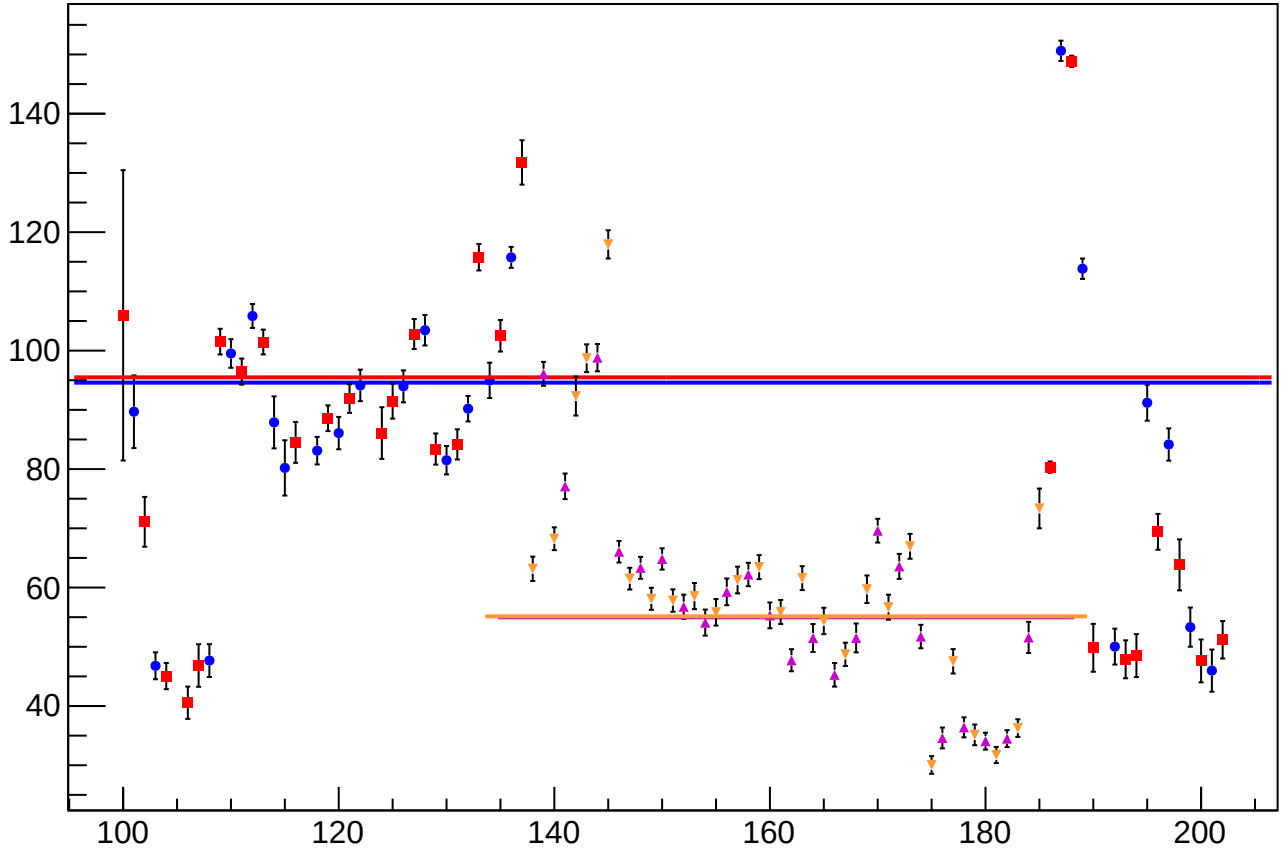
Right: 14.613+/-0.353 χ^2/NDF: 561.5/50

In: 7.058+/-0.269 χ^2/NDF:1009.6/45

Out: 7.574+/-0.254 χ^2/NDF:1297.0/52

All: 7.330+/-0.185 χ^2/NDF: 2308.6/98

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 94.597+/-0.524 χ^2/NDF: 2774.6/22

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 95.486+/-0.429 χ^2/NDF: 5857.2/27

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

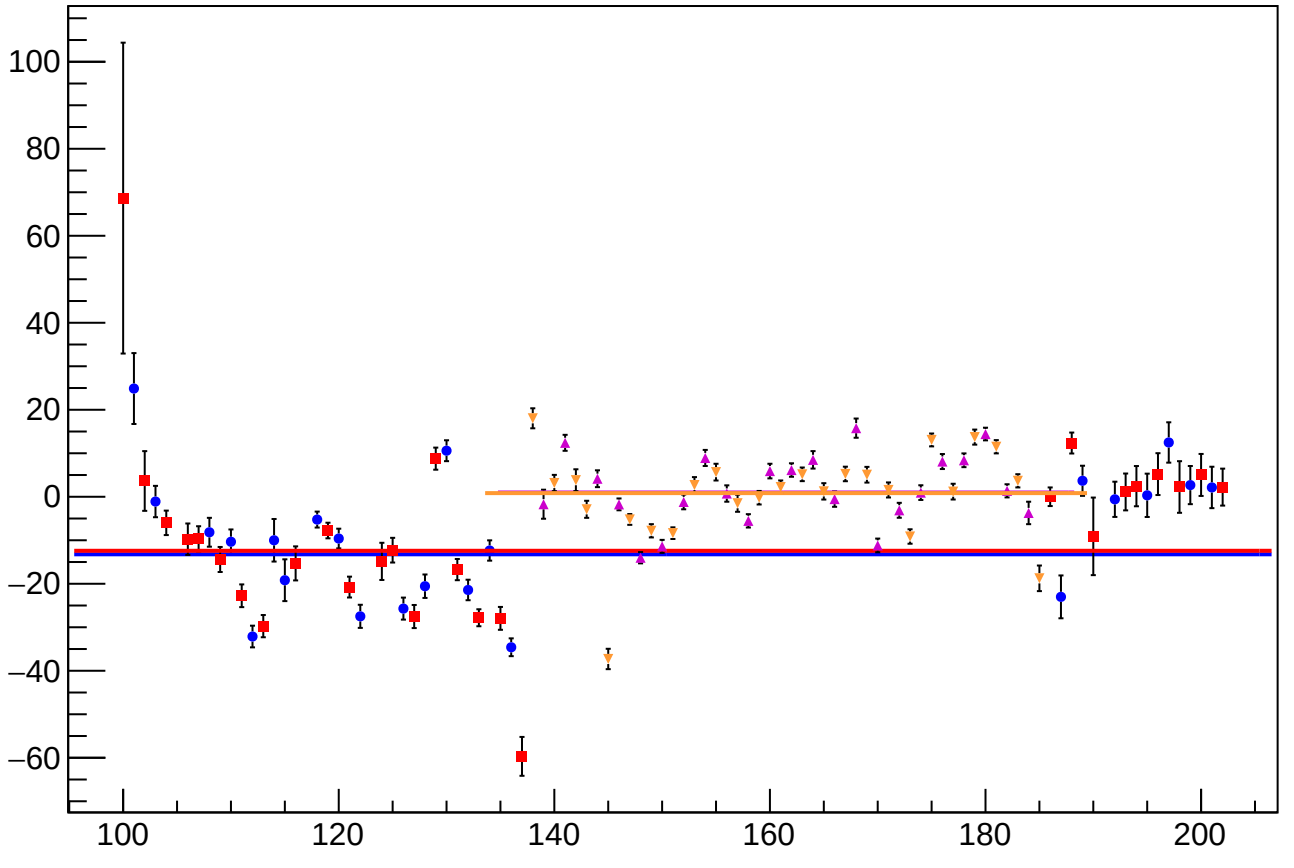
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 95.129+/-0.332 χ^2/NDF: 8633.5/50

In: 69.811+/-0.321 χ^2/NDF:8129.5/45

Out: 73.738+/-0.291 χ^2/NDF:12861.8/52

All: 71.962+/-0.216 χ^2/NDF: 21073.4/98



Right In: -13.228+/-0.617 χ^2/NDF: 497.0/22

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -12.419+/-0.569 χ^2/NDF: 617.9/27

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

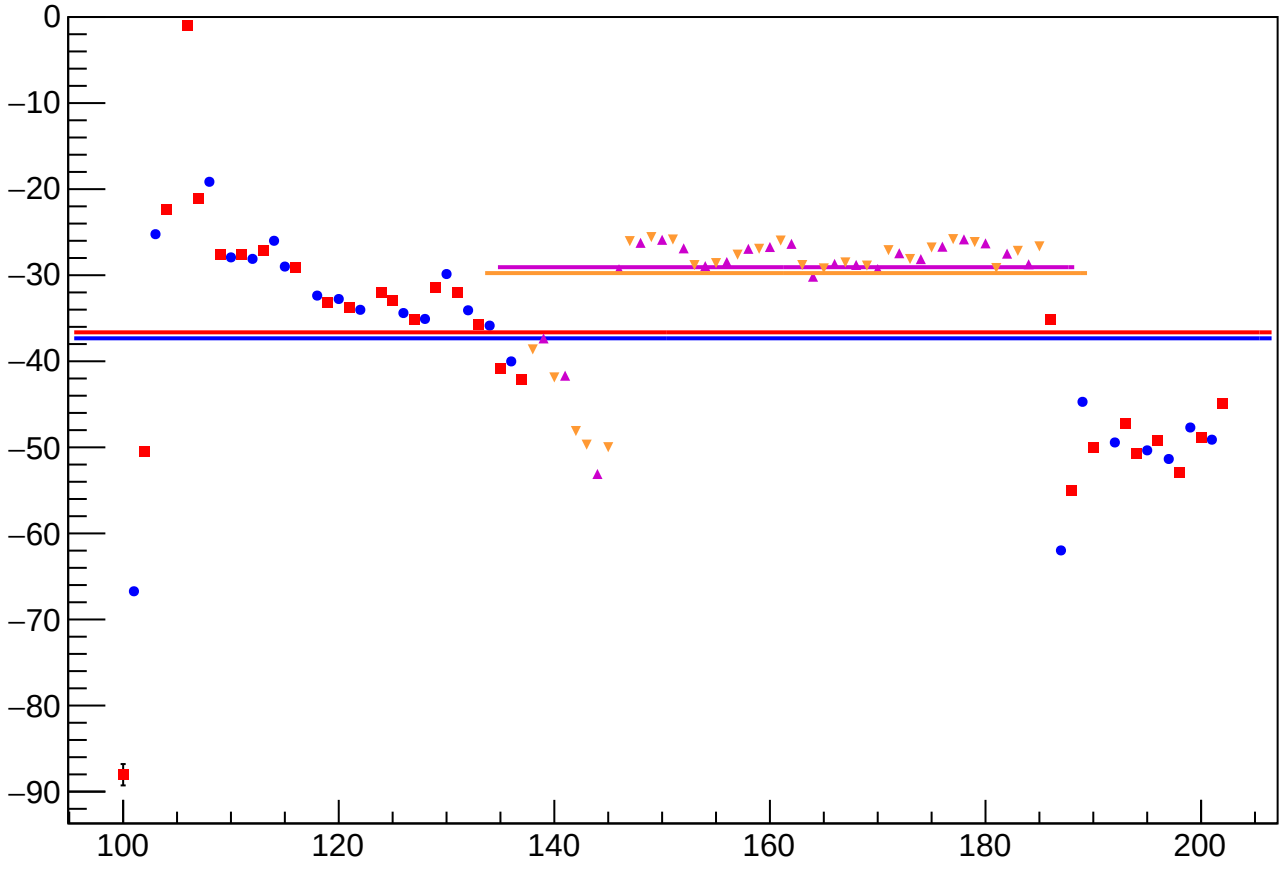
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.791+/-0.418 χ^2/NDF: 1115.8/50

In: -2.529+/-0.307 χ^2/NDF:1454.8/45

Out: -2.693+/-0.294 χ^2/NDF:1733.5/52

All: -2.615+/-0.212 χ^2/NDF: 3188.5/98



Right In: -37.333+/-0.032 χ^2/NDF: 109452.0/22

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.637+/-0.030 χ^2/NDF: 202527.0/27

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

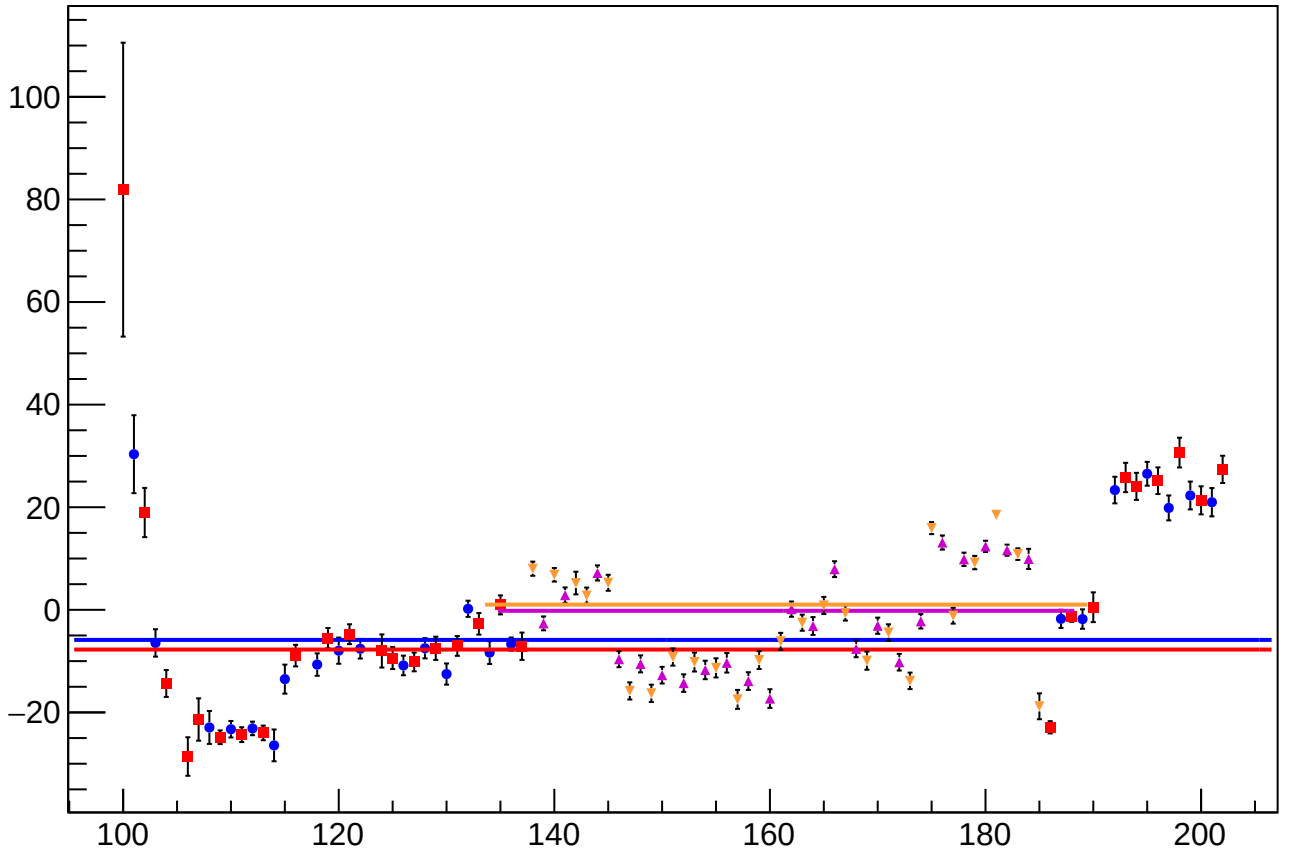
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -36.966+/-0.022 χ^2/NDF: 312232.4/50

In: -30.705+/-0.014 χ^2/NDF:265255.4/45

Out: -31.212+/-0.014 χ^2/NDF:407466.9/52

All: -30.964+/-0.010 χ^2/NDF: 673380.3/98



Right In: -5.864+/-0.430 χ^2/NDF: 1075.7/22

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -7.745+/-0.380 χ^2/NDF: 1666.0/27

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

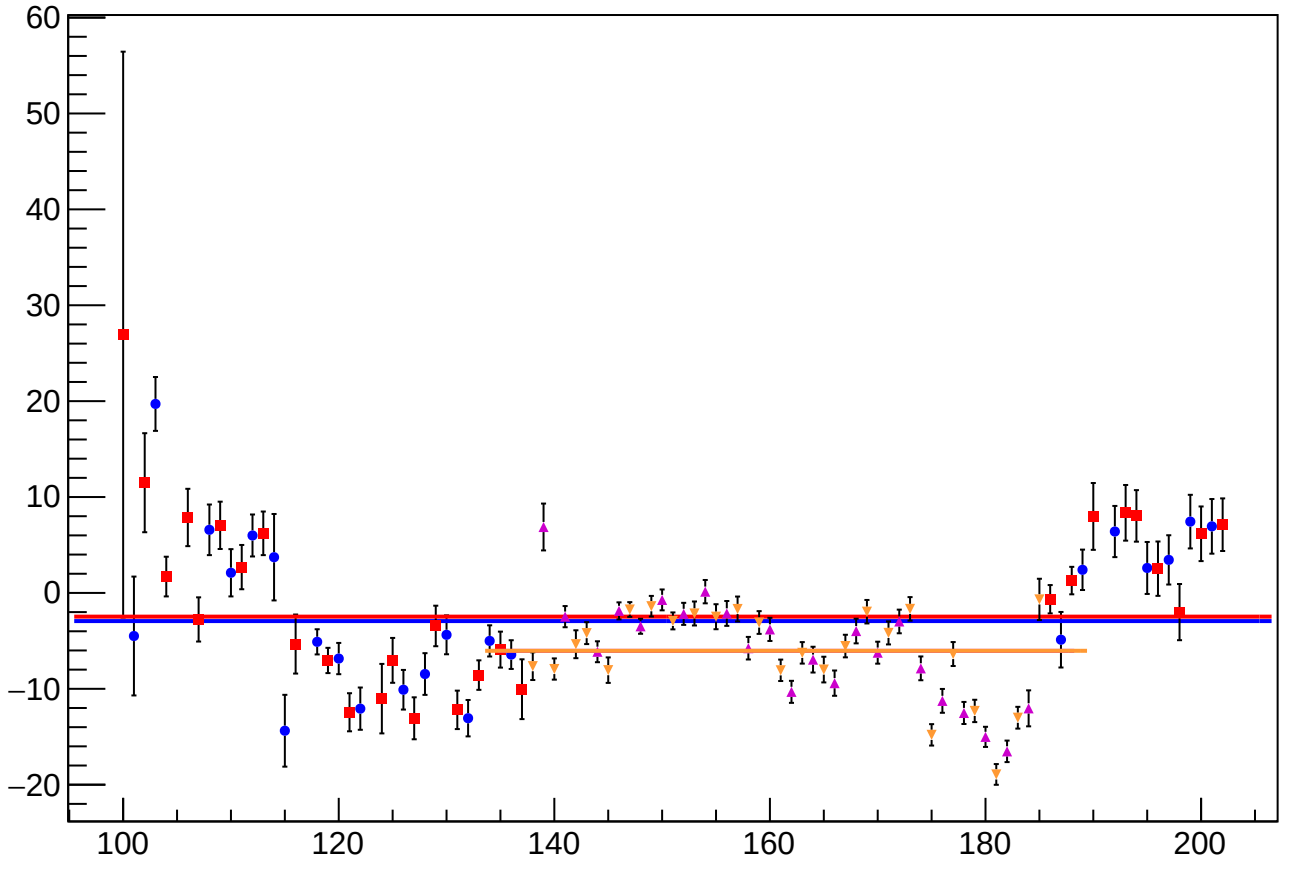
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -6.920+/-0.284 χ^2/NDF: 2752.5/50

In: -2.172+/-0.254 χ^2/NDF:2172.0/45

Out: -2.417+/-0.238 χ^2/NDF:3324.8/52

All: -2.302+/-0.173 χ^2/NDF: 5497.3/98



Right In: -2.936+/-0.458 χ^2/NDF: 245.8/22

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.473+/-0.423 χ^2/NDF: 249.7/27

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

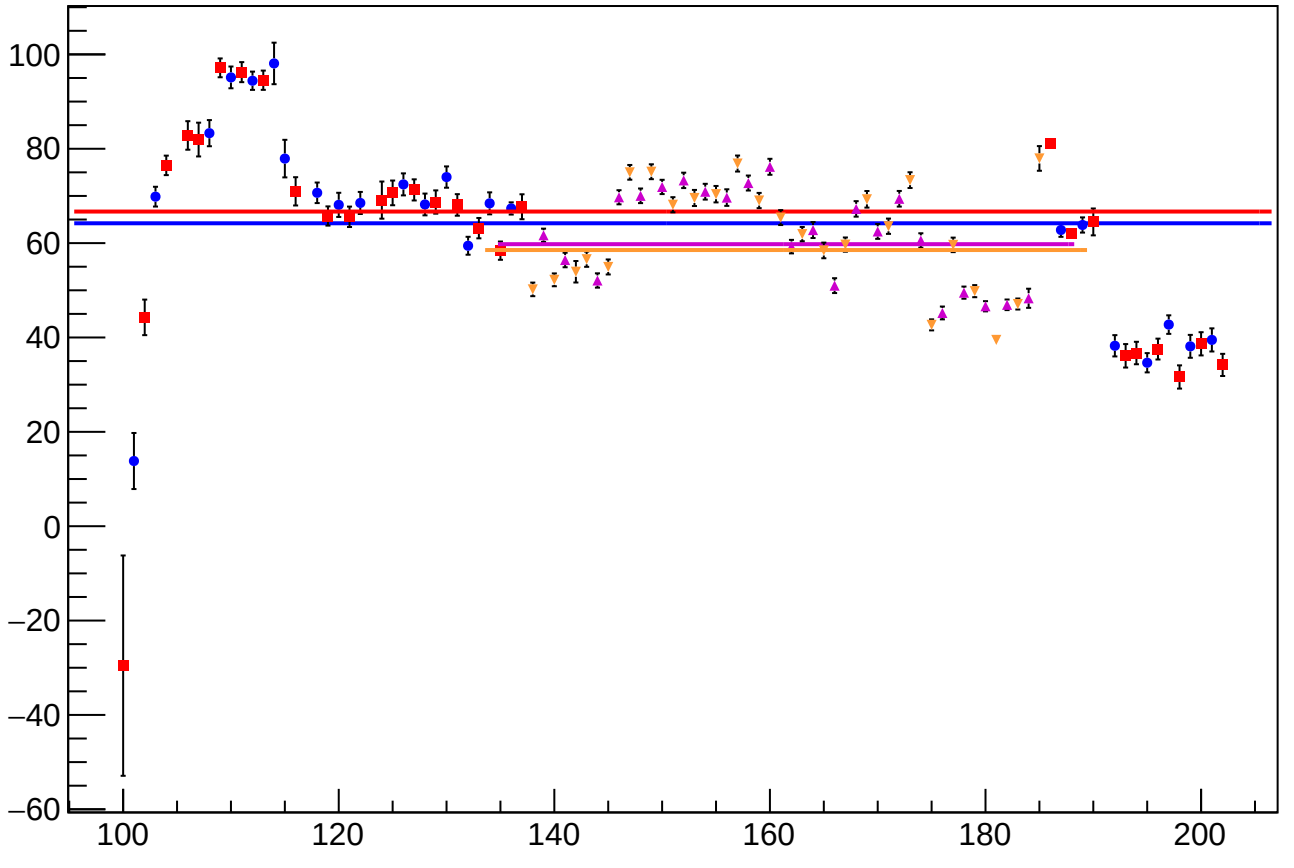
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -2.686+/-0.311 χ^2/NDF: 496.0/50

In: -5.362+/-0.214 χ^2/NDF:677.9/45

Out: -5.205+/-0.204 χ^2/NDF:718.9/52

All: -5.280+/-0.148 χ^2/NDF: 1397.1/98



Right In: 64.205+/-0.446 χ^2/NDF: 1364.9/22

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 66.691+/-0.380 χ^2/NDF: 2030.3/27

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

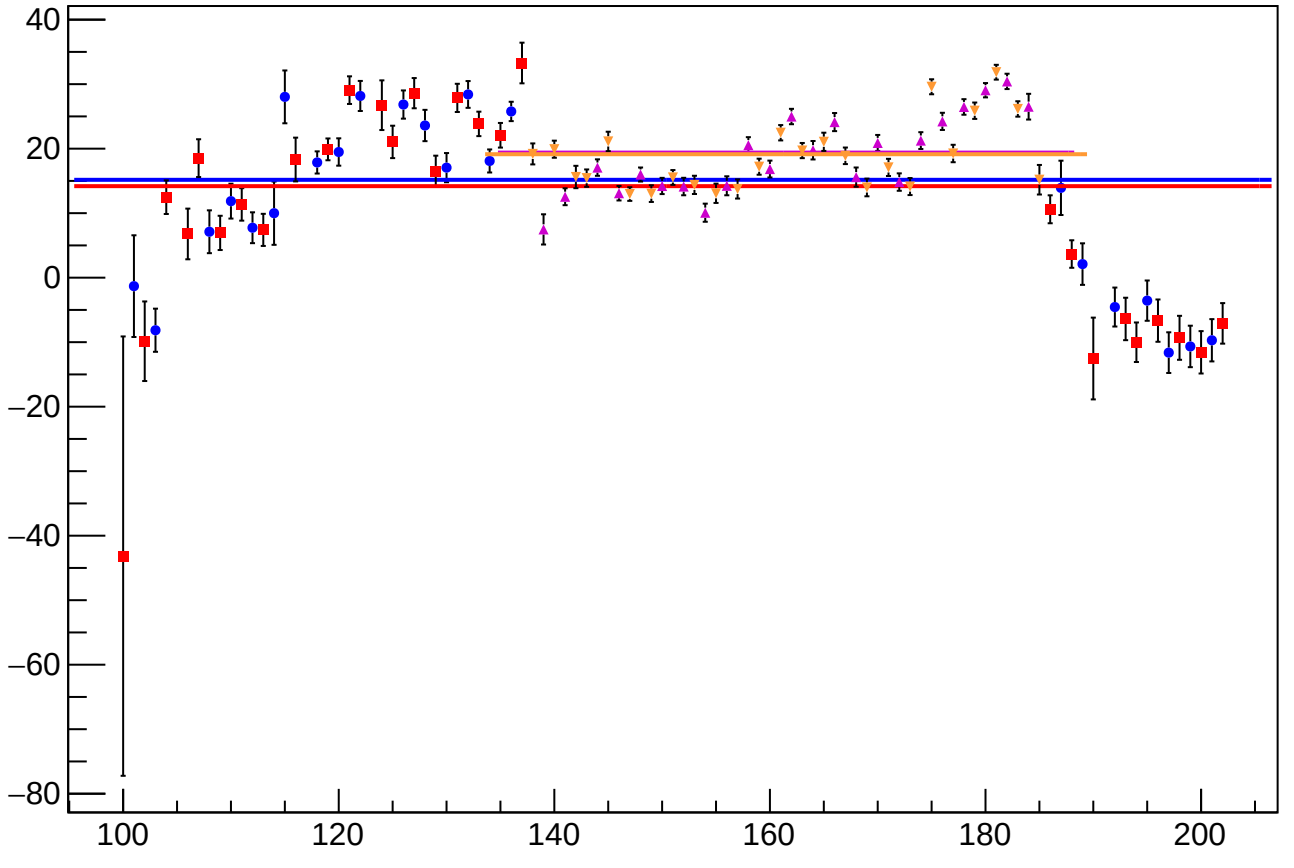
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

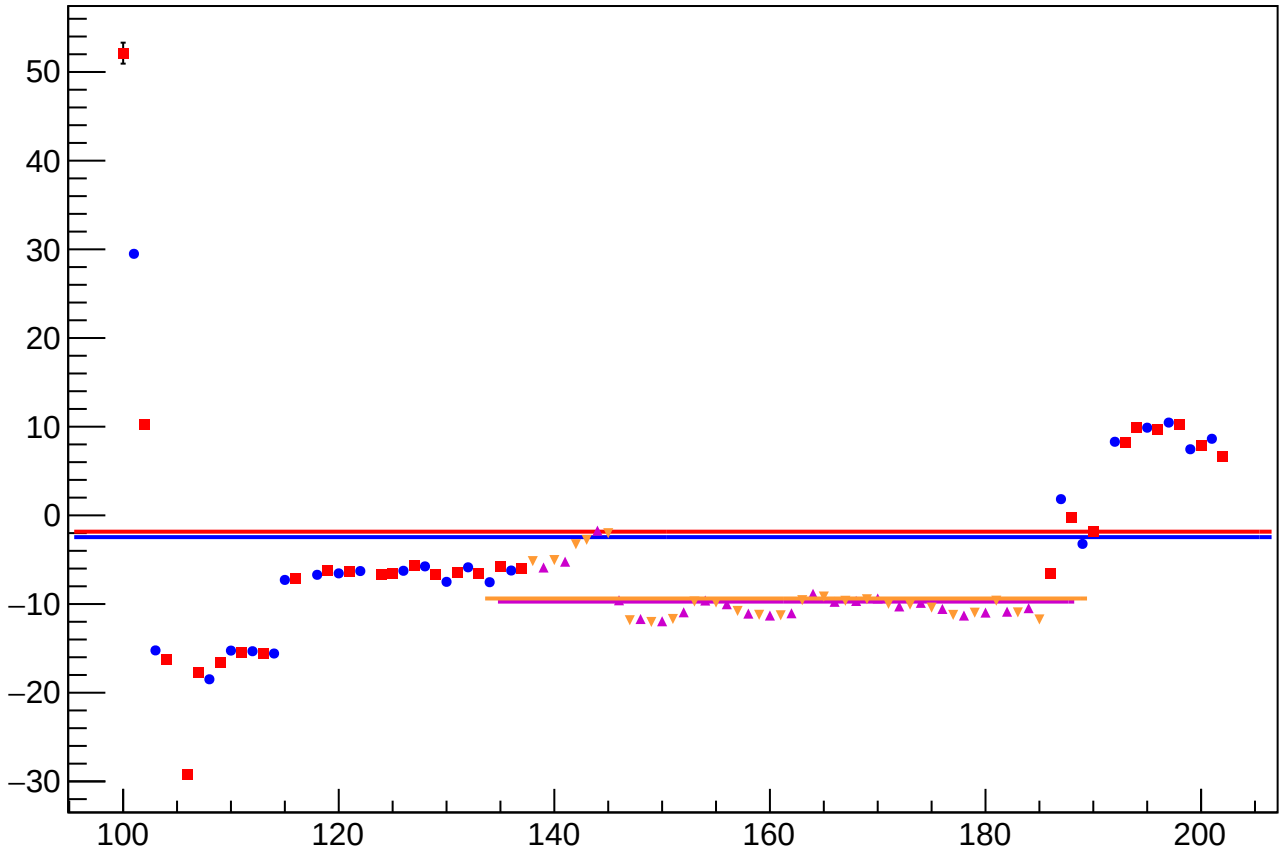
Right: 65.647+/-0.289 χ^2/NDF: 3413.1/50

In: 61.227+/-0.255 χ^2/NDF:2501.6/45

Out: 61.705+/-0.237 χ^2/NDF:3761.2/52

All: 61.484+/-0.174 χ^2/NDF: 6264.7/98


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: 15.170+/-0.529 χ²/NDF: 542.8/22
Left Out: 19.138+/-0.264 χ²/NDF:433.7/24
Right Out: 14.188+/-0.503 χ²/NDF: 618.9/27
Left In: 19.390+/-0.274 χ²/NDF:467.7/22
Left: 19.260+/-0.190 χ²/NDF: 901.9/47
Right: 14.654+/-0.365 χ²/NDF: 1163.6/50
In: 18.499+/-0.243 χ²/NDF:1060.8/45
Out: 18.070+/-0.234 χ²/NDF:1128.5/52
All: 18.276+/-0.168 χ²/NDF: 2190.9/98



Right In: -2.455+/-0.025 χ^2/NDF: 145608.2/22

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.839+/-0.025 χ^2/NDF: 183447.7/27

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

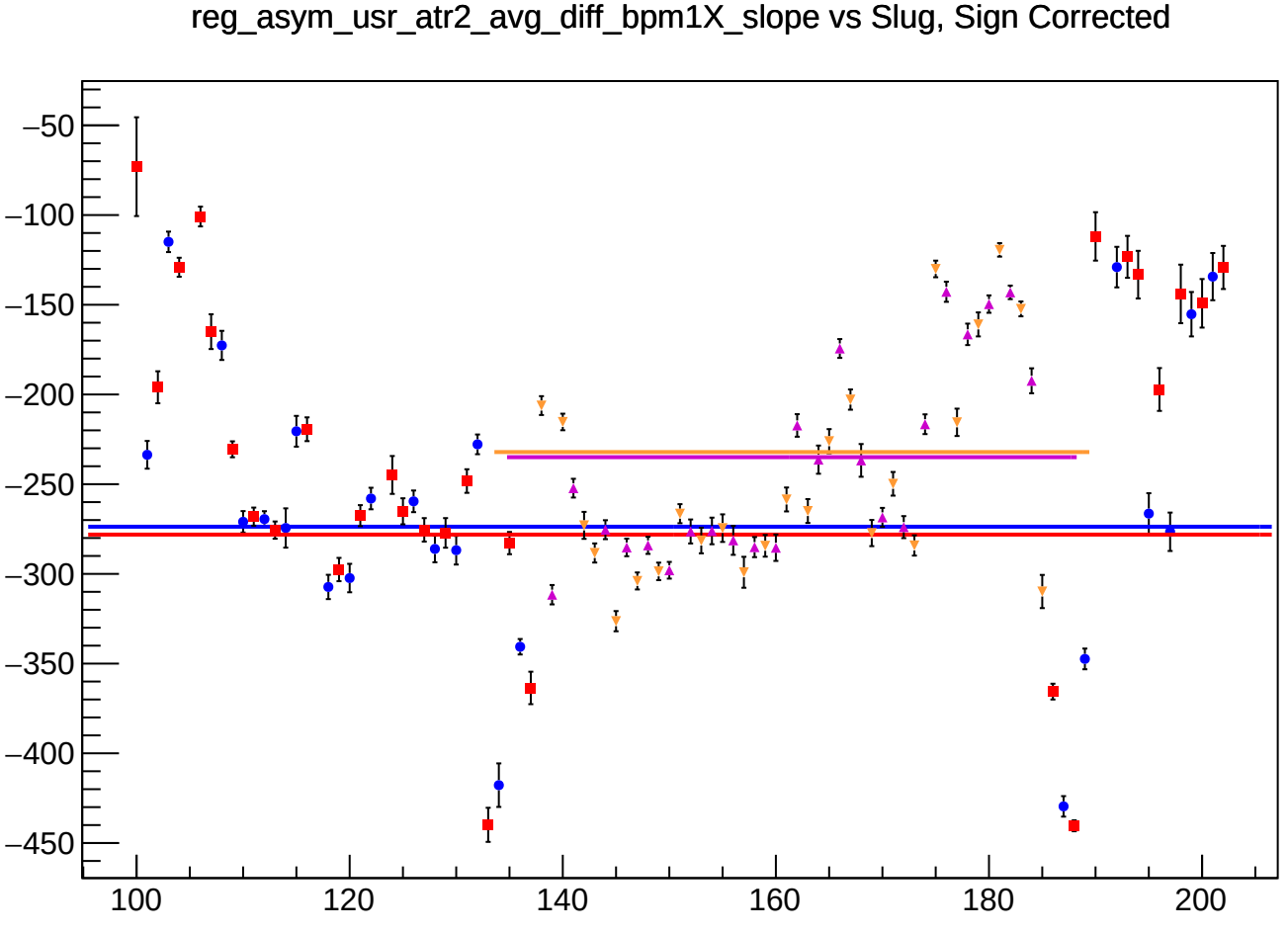
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -2.138+/-0.018 χ^2/NDF: 329358.6/50

In: -8.381+/-0.011 χ^2/NDF:244211.8/45

Out: -7.953+/-0.011 χ^2/NDF:309281.7/52

All: -8.162+/-0.008 χ^2/NDF: 554277.1/98



Right In: -273.706+/-1.441 χ^2/NDF: 2778.0/22

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -278.094+/-1.249 χ^2/NDF: 6728.2/27

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

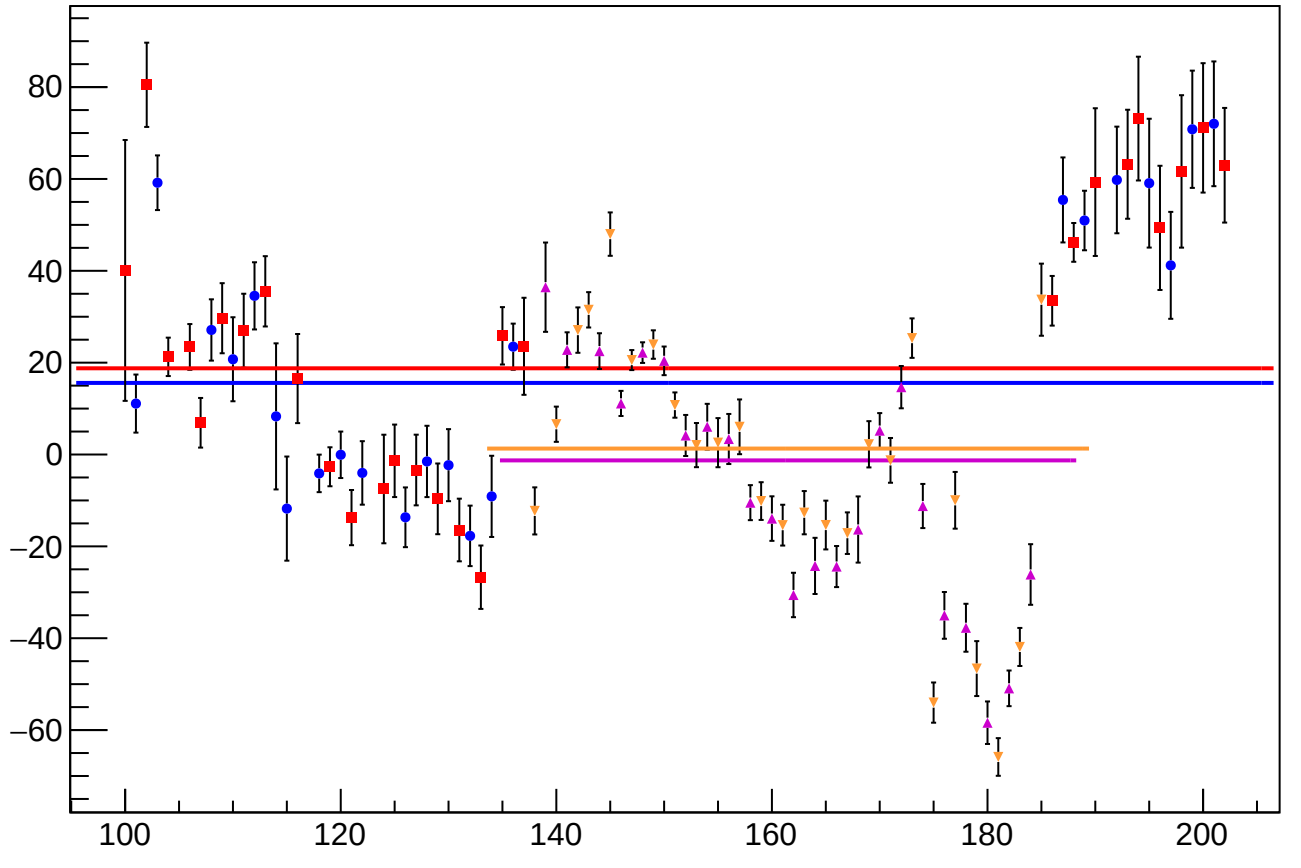
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -276.212+/-0.944 χ^2/NDF: 9511.5/50

In: -250.433+/-0.911 χ^2/NDF:5682.2/45

Out: -253.051+/-0.843 χ^2/NDF:10736.2/52

All: -251.843+/-0.619 χ^2/NDF: 16422.9/98



Right In: 15.590+/-1.513 χ^2/NDF: 290.4/22

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 18.772+/-1.349 χ^2/NDF: 343.9/27

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

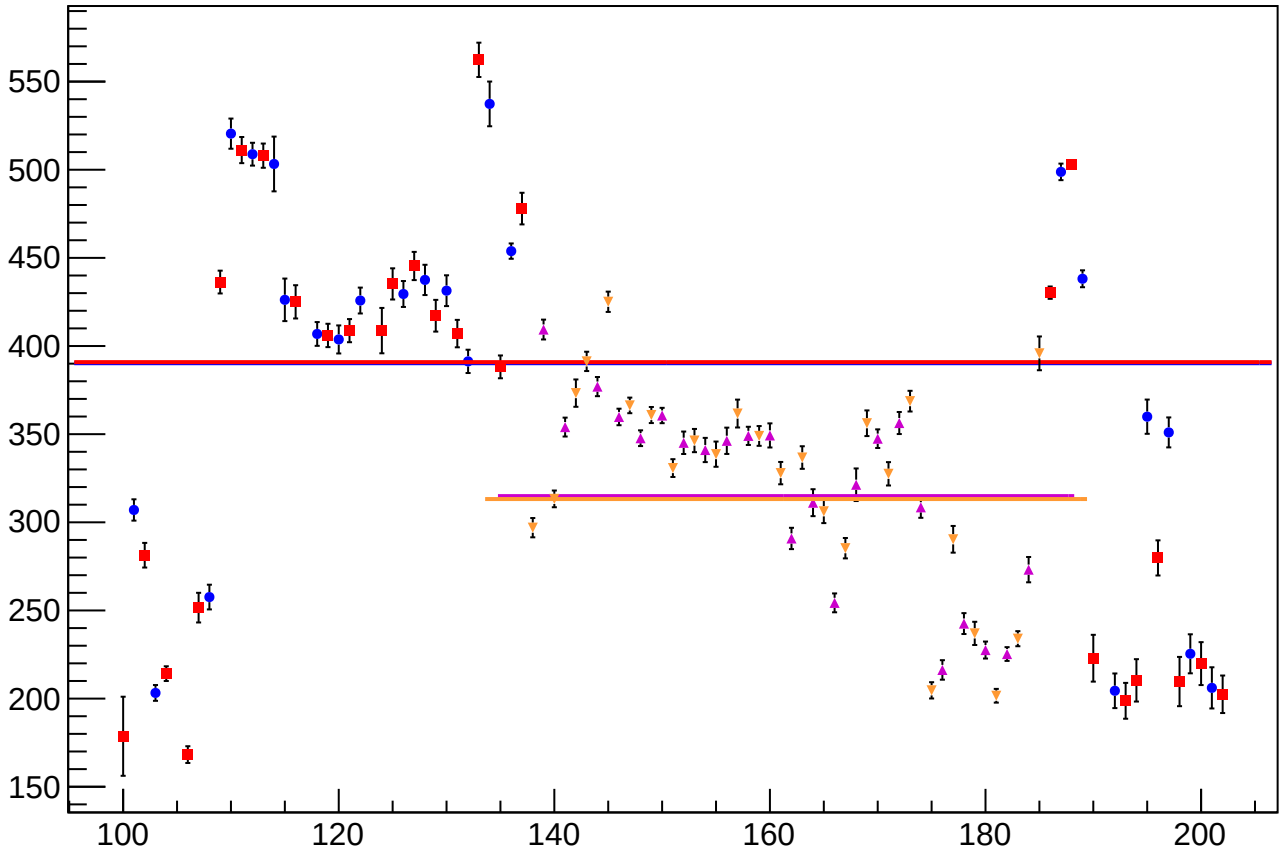
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 17.363+/-1.007 χ^2/NDF: 636.8/50

In: 2.904+/-0.753 χ^2/NDF:1195.1/45

Out: 6.153+/-0.711 χ^2/NDF:1514.6/52

All: 4.622+/-0.517 χ^2/NDF: 2719.5/98



Right In: 390.250+/-1.461 χ^2/NDF: 4875.0/22

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 390.864+/-1.223 χ^2/NDF: 9452.4/27

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

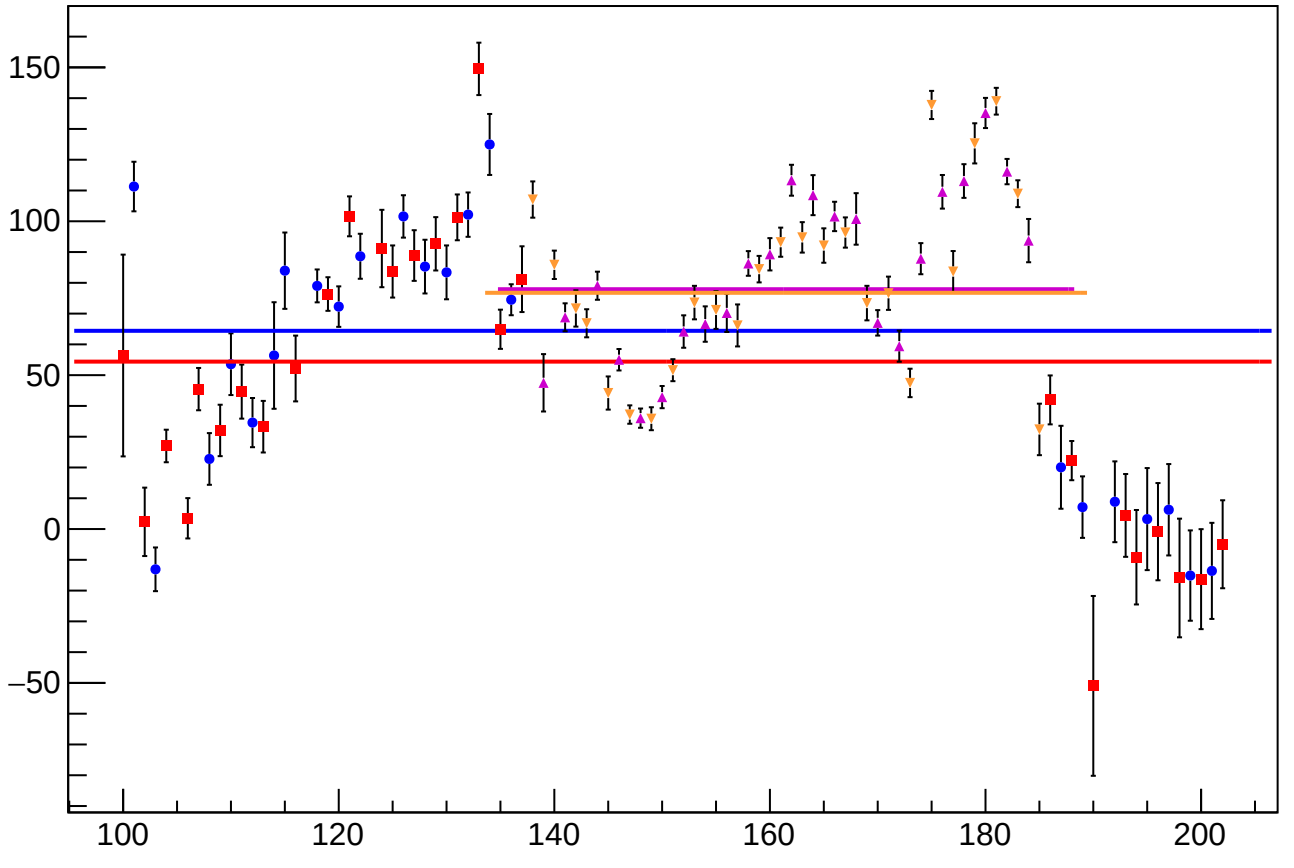
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 390.611+/-0.938 χ^2/NDF: 14327.5/50

In: 344.062+/-0.909 χ^2/NDF:8936.0/45

Out: 349.102+/-0.832 χ^2/NDF:14756.8/52

All: 346.806+/-0.614 χ^2/NDF: 23709.5/98



Right In: 64.408+/-1.778 χ^2/NDF: 468.5/22

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 54.398+/-1.628 χ^2/NDF: 559.5/27

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

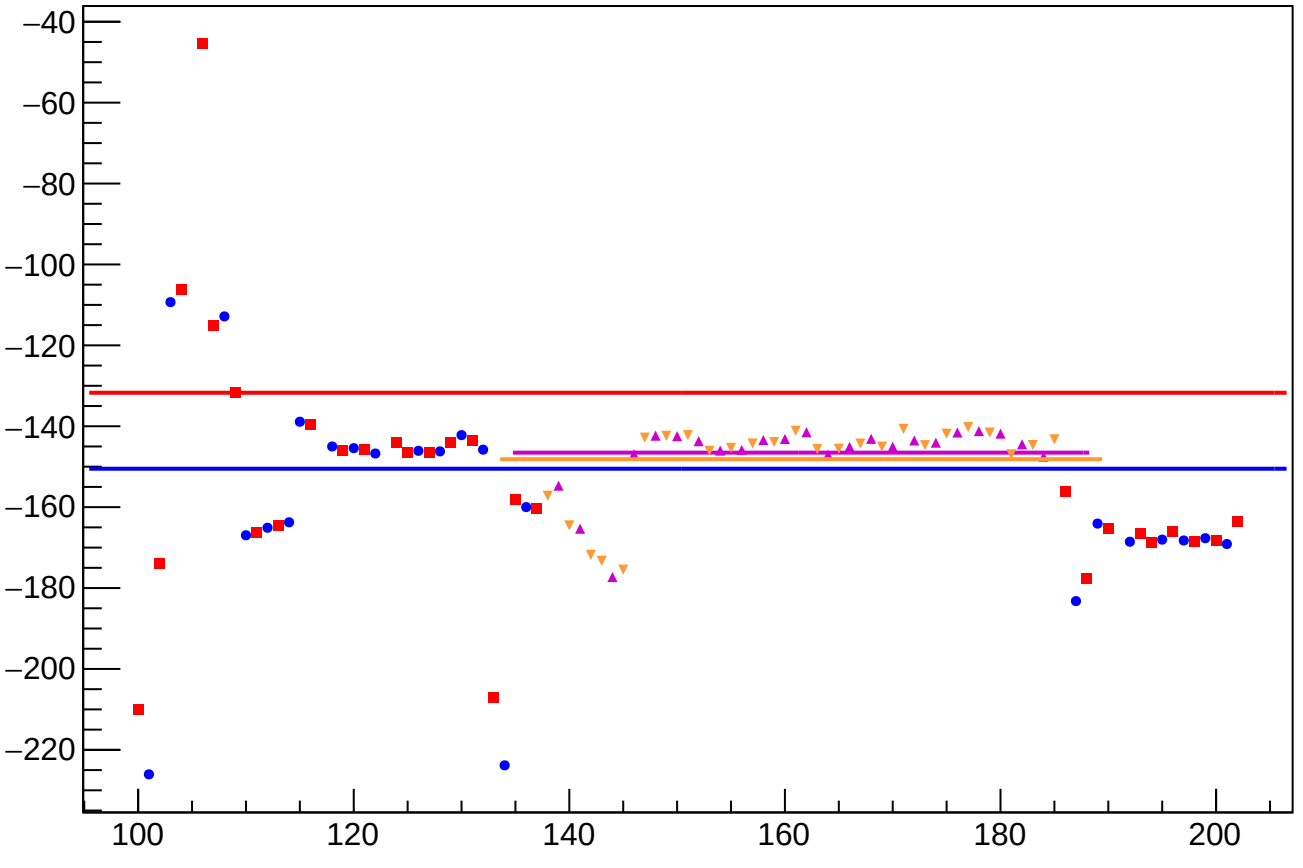
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 58.962+/-1.201 χ^2/NDF: 1045.2/50

In: 74.692+/-0.870 χ^2/NDF:1296.2/45

Out: 70.930+/-0.831 χ^2/NDF:1734.3/52

All: 72.726+/-0.601 χ^2/NDF: 3040.3/98



Right In: -150.500+/-0.087 χ^2/NDF: 145217.4/22

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -131.716+/-0.077 χ^2/NDF: 343310.5/27

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

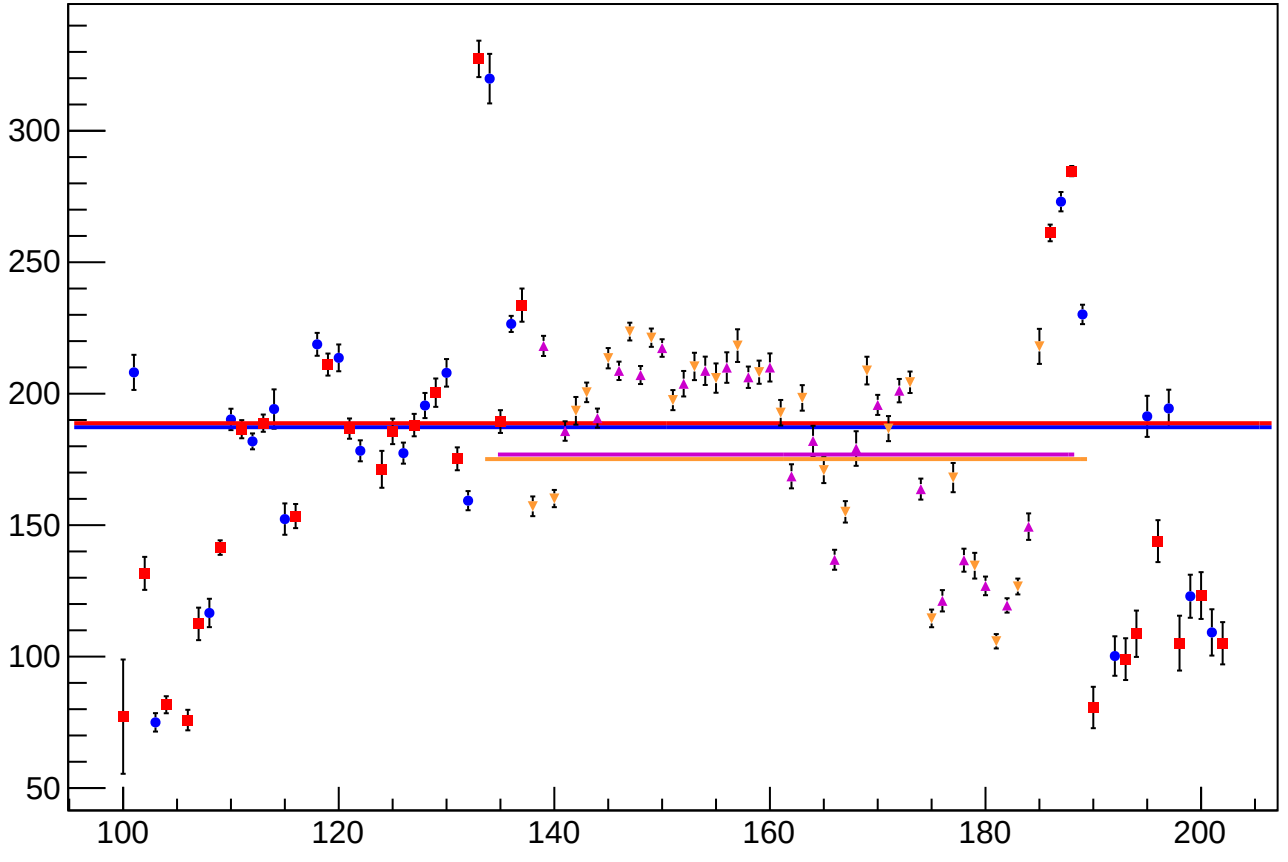
Right: -140.053+/-0.058 χ^2/NDF: 514712.8/50

In: -147.385+/-0.040 χ^2/NDF:176043.1/45

Out: -143.979+/-0.039 χ^2/NDF:425914.7/52

All: -145.624+/-0.028 χ^2/NDF: 605649.0/98

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.258+/-0.965 χ^2/NDF: 2733.6/22

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 188.777+/-0.827 χ^2/NDF: 6678.4/27

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

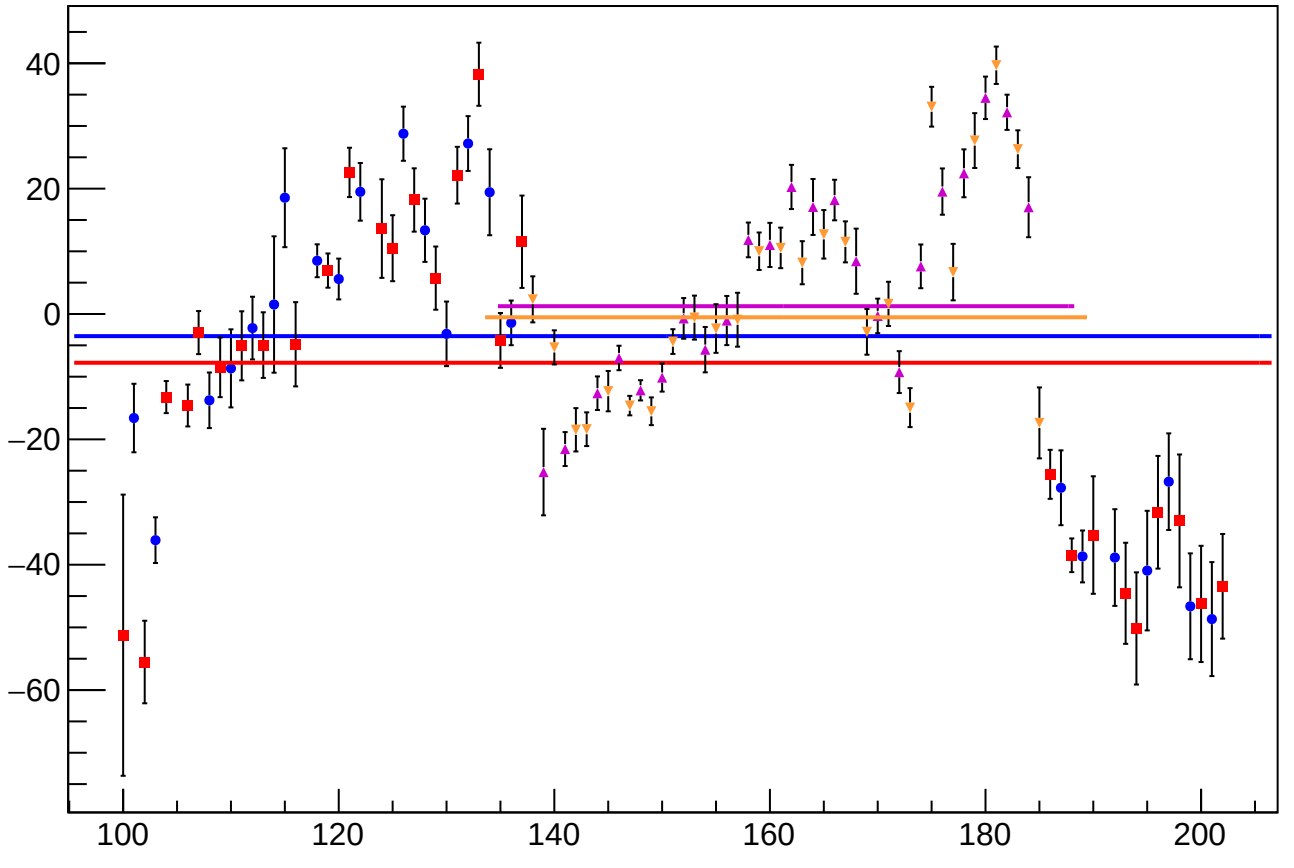
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 188.134+/-0.628 χ^2/NDF: 9413.5/50

In: 181.383+/-0.637 χ^2/NDF:4555.2/45

Out: 181.912+/-0.583 χ^2/NDF:9110.7/52

All: 181.671+/-0.430 χ^2/NDF: 13666.3/98



Right In: -3.532+/-1.012 χ^2/NDF: 466.2/22

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -7.778+/-0.889 χ^2/NDF: 595.6/27

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

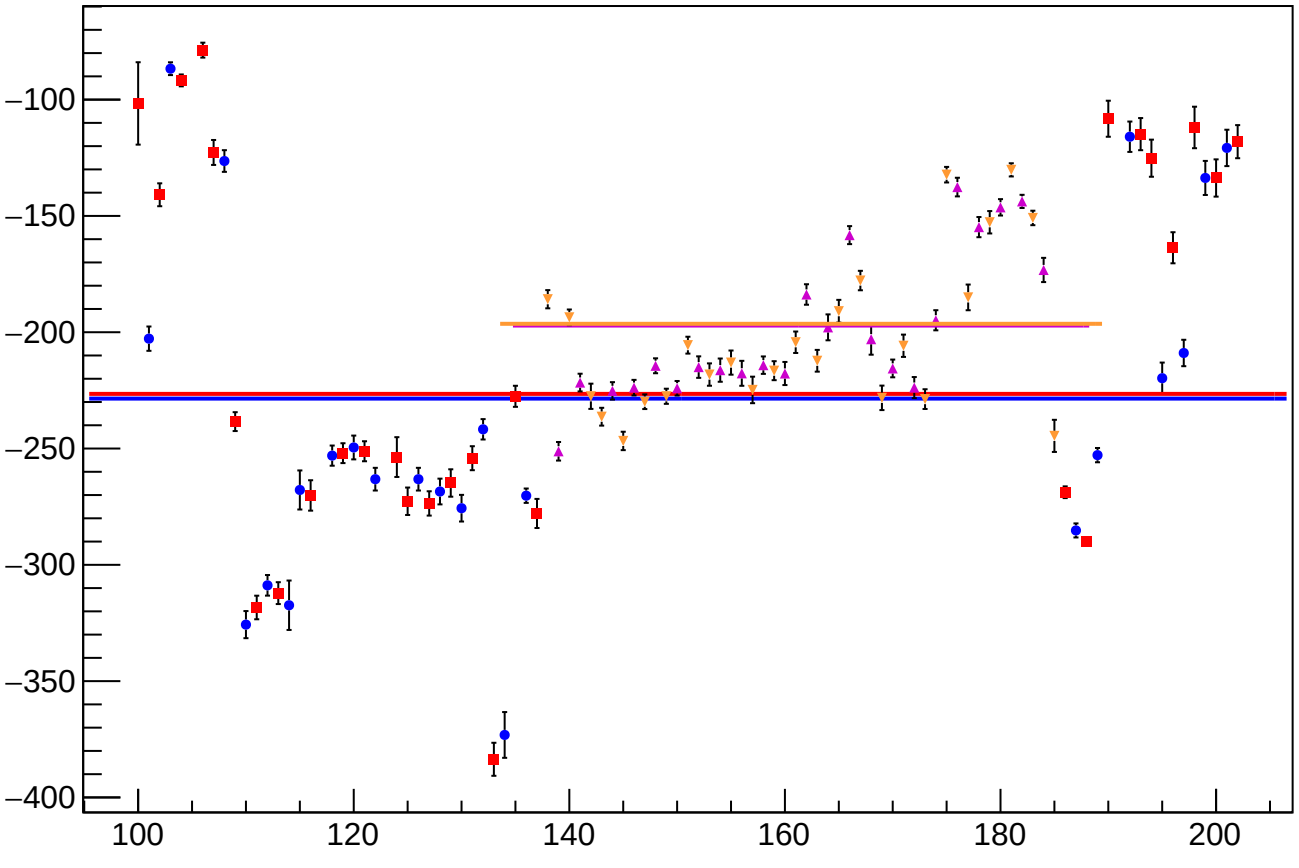
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -5.930+/-0.668 χ^2/NDF: 1071.7/50

In: -0.076+/-0.532 χ^2/NDF:1102.9/45

Out: -2.799+/-0.498 χ^2/NDF:1365.8/52

All: -1.528+/-0.363 χ^2/NDF: 2482.7/98



Right In: -228.535+/-0.975 χ^2/NDF: 5627.3/22

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.508+/-0.806 χ^2/NDF: 10407.0/27

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

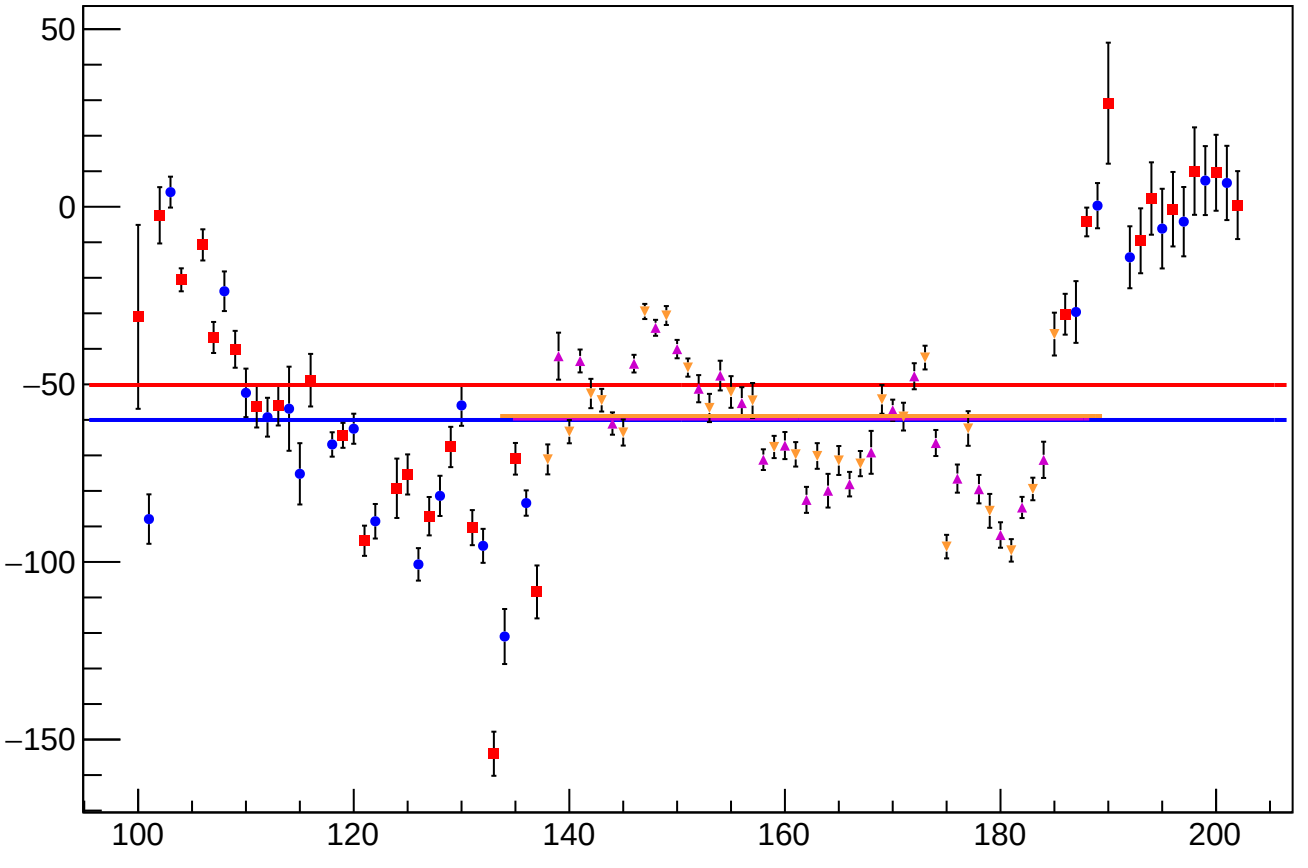
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -227.330+/-0.621 χ^2/NDF: 16036.9/50

In: -210.448+/-0.635 χ^2/NDF:7826.2/45

Out: -211.633+/-0.573 χ^2/NDF:13095.3/52

All: -211.101+/-0.426 χ^2/NDF: 20923.4/98



Right In: -60.030+/-1.194 χ^2/NDF: 846.7/22

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -50.179+/-1.075 χ^2/NDF: 1170.1/27

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

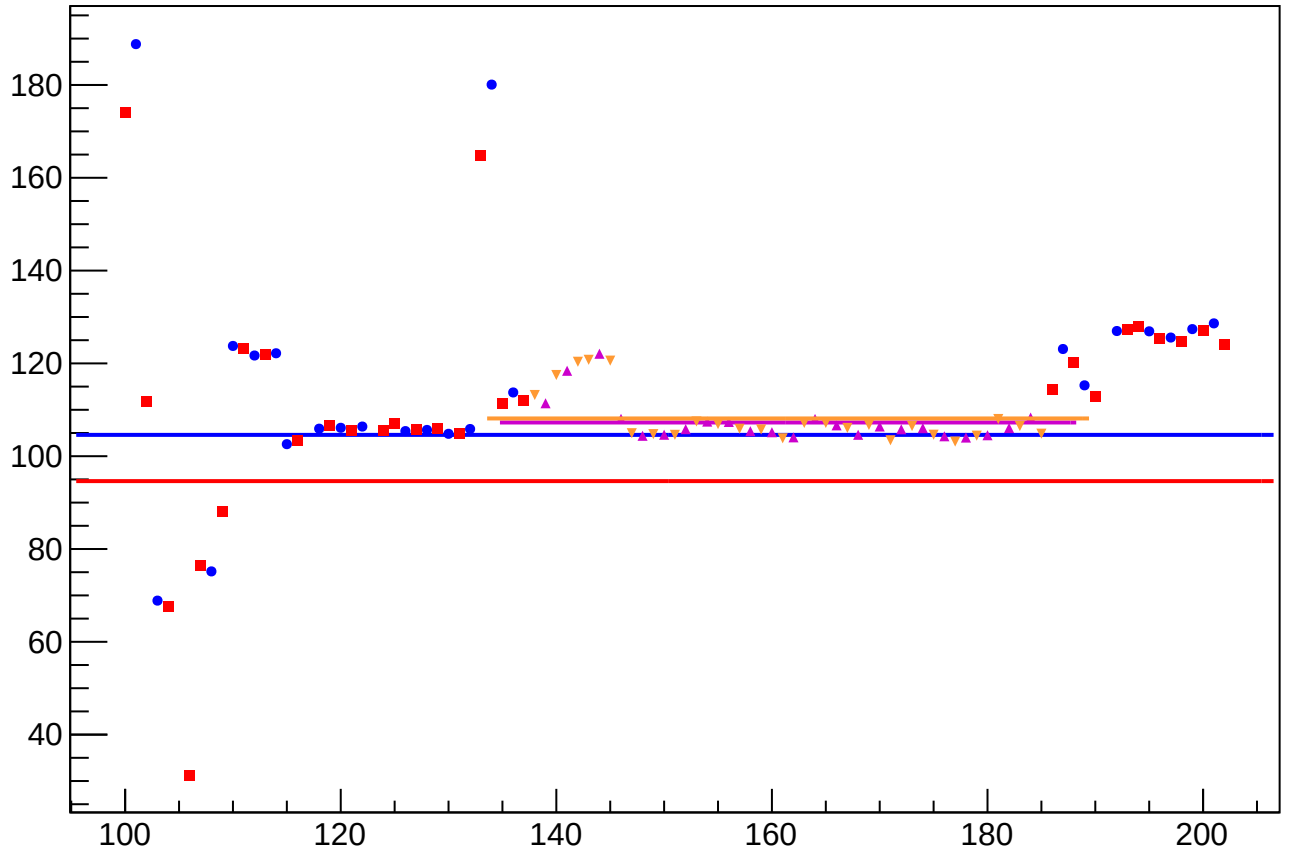
Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

Right: -54.590+/-0.799 χ^2/NDF: 2054.3/50

In: -59.741+/-0.615 χ^2/NDF:1443.8/45

Out: -56.338+/-0.584 χ^2/NDF:1999.1/52

All: -57.949+/-0.423 χ^2/NDF: 3458.9/98



Right In: 104.596+/-0.058 χ^2/NDF: 267849.8/22

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 94.632+/-0.052 χ^2/NDF: 378410.2/27

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

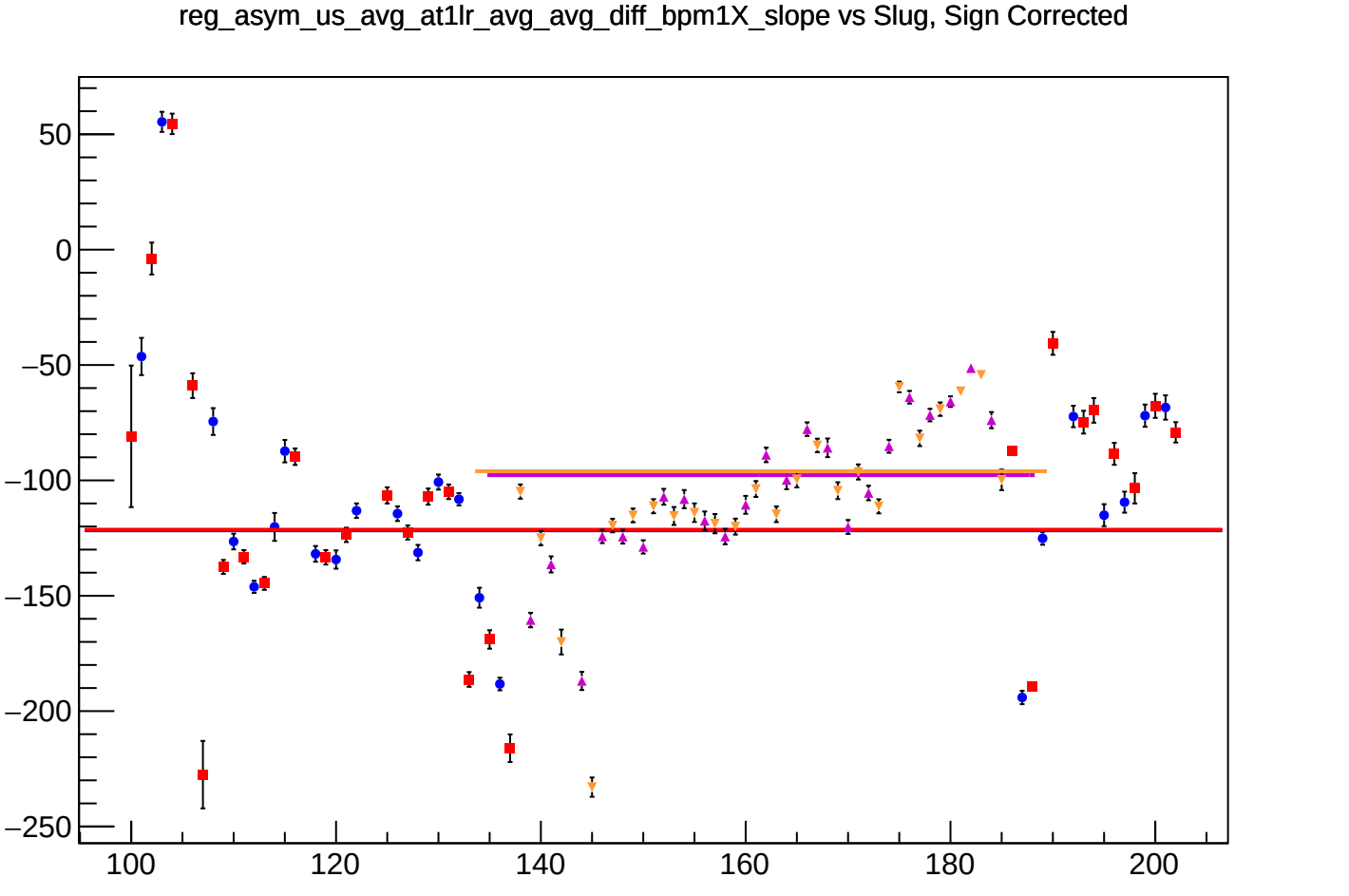
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 99.106+/-0.039 χ^2/NDF: 662610.7/50

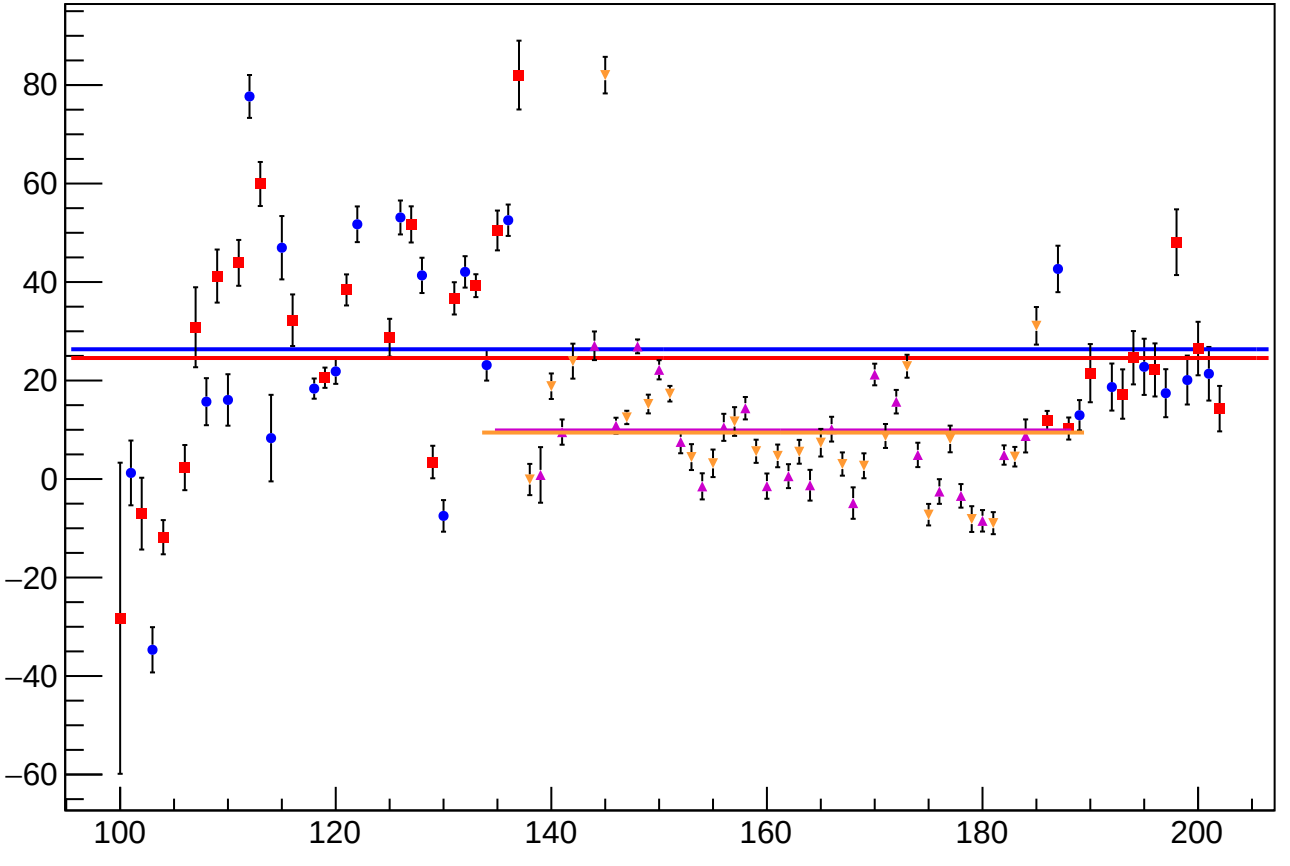
In: 106.615+/-0.029 χ^2/NDF:286340.9/45

Out: 104.373+/-0.028 χ^2/NDF:453079.0/52

All: 105.454+/-0.020 χ^2/NDF: 742612.6/98


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -121.644+/-0.761 χ²/NDF: 3650.1/22
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -121.376+/-0.656 χ²/NDF: 5991.1/26
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -121.490+/-0.497 χ²/NDF: 9641.3/49
In: -107.604+/-0.489 χ²/NDF:6871.4/45
Out: -108.279+/-0.456 χ²/NDF:9532.6/50
All: -107.965+/-0.334 χ²/NDF: 16405.1/96

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 26.351+/-0.788 χ^2/NDF: 742.2/22

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.573+/-0.717 χ^2/NDF: 629.2/26

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

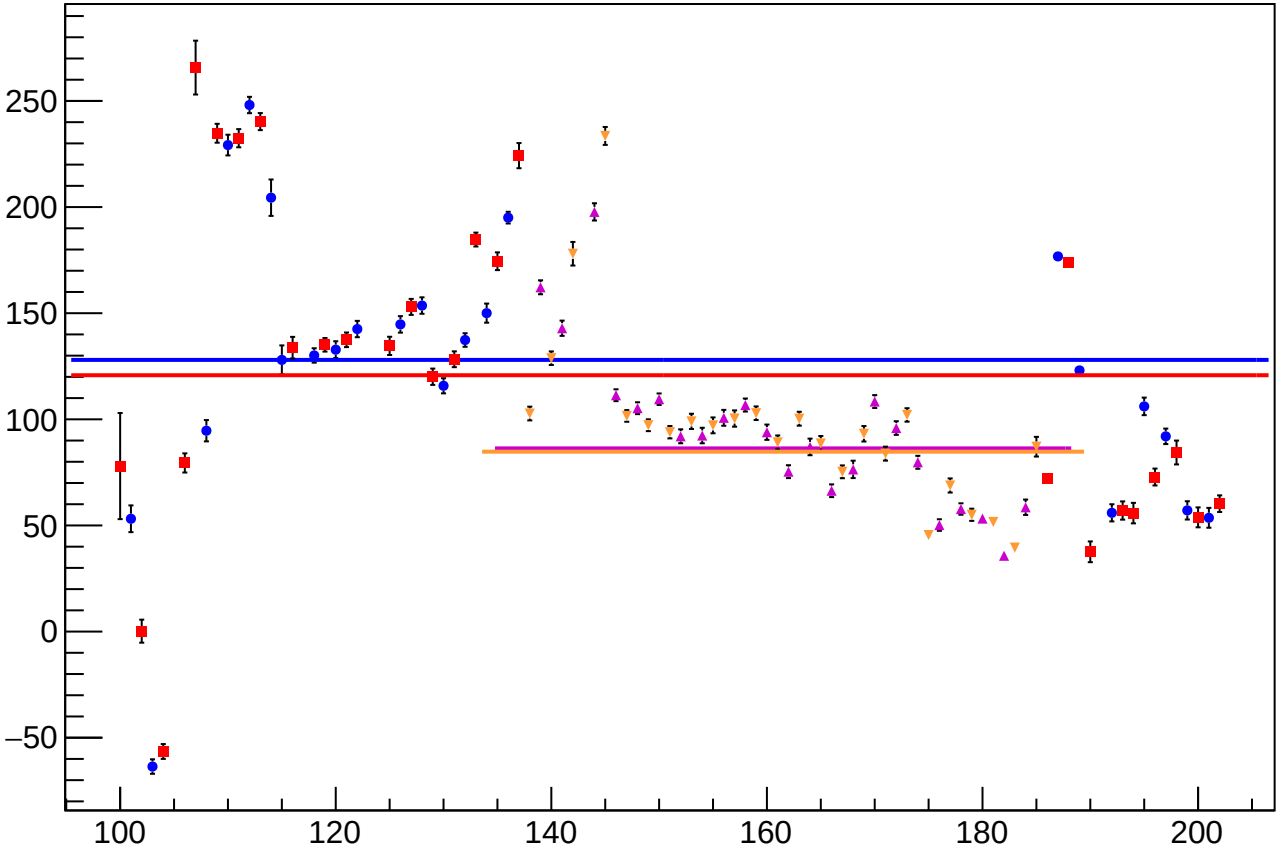
Right: 25.378+/-0.530 χ^2/NDF: 1374.3/49

In: 14.413+/-0.414 χ^2/NDF:1544.4/45

Out: 14.094+/-0.398 χ^2/NDF:1674.0/50

All: 14.247+/-0.287 χ^2/NDF: 3218.7/96

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 127.998+/-0.778 χ^2/NDF: 6916.0/22

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 120.776+/-0.632 χ^2/NDF: 10794.1/26

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

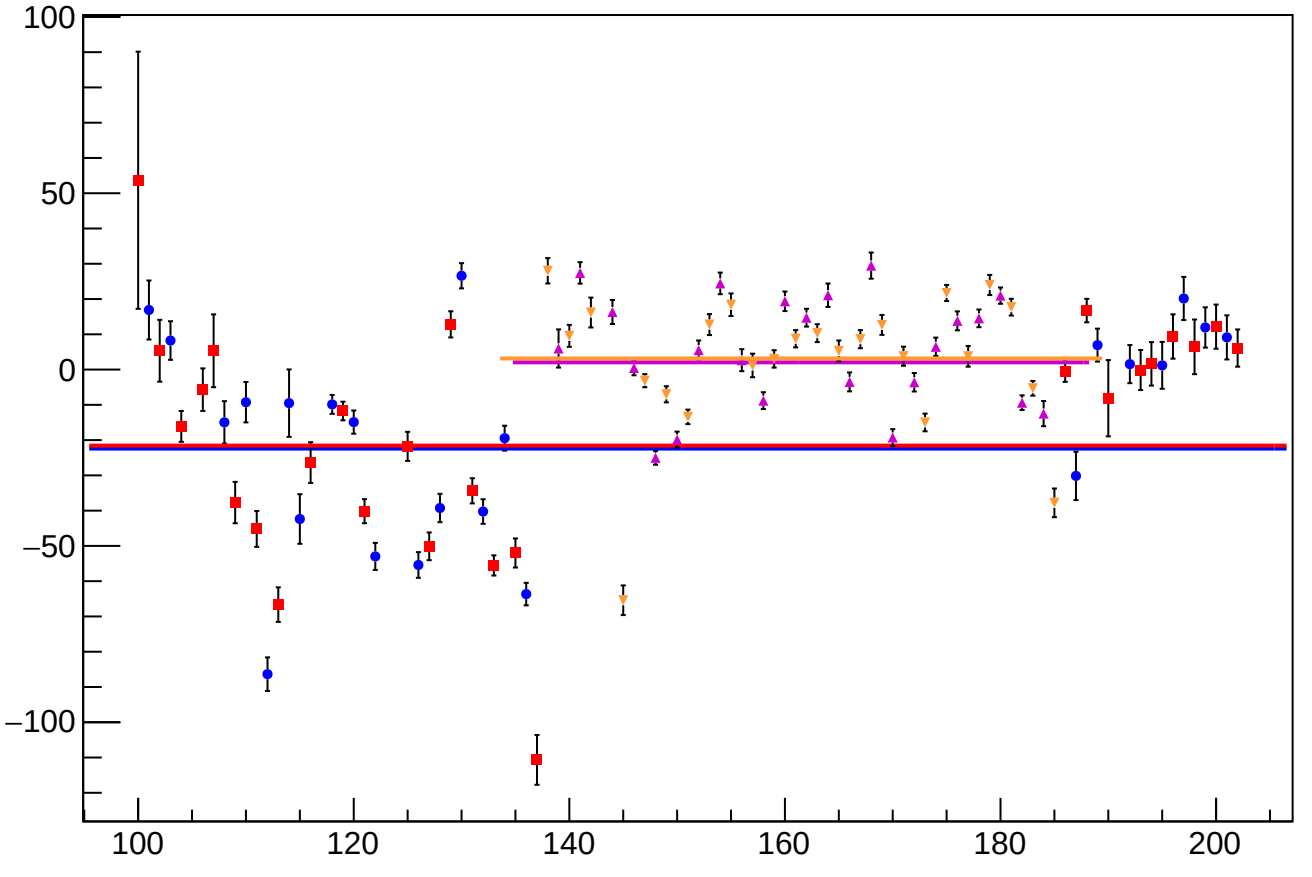
Right: 123.650+/-0.490 χ^2/NDF: 17762.1/49

In: 102.883+/-0.490 χ^2/NDF:11801.0/45

Out: 102.683+/-0.446 χ^2/NDF:15535.6/50

All: 102.774+/-0.330 χ^2/NDF: 27336.7/96

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.396+/-0.927 χ^2/NDF: 1006.0/22

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -21.564+/-0.871 χ^2/NDF: 999.6/26

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

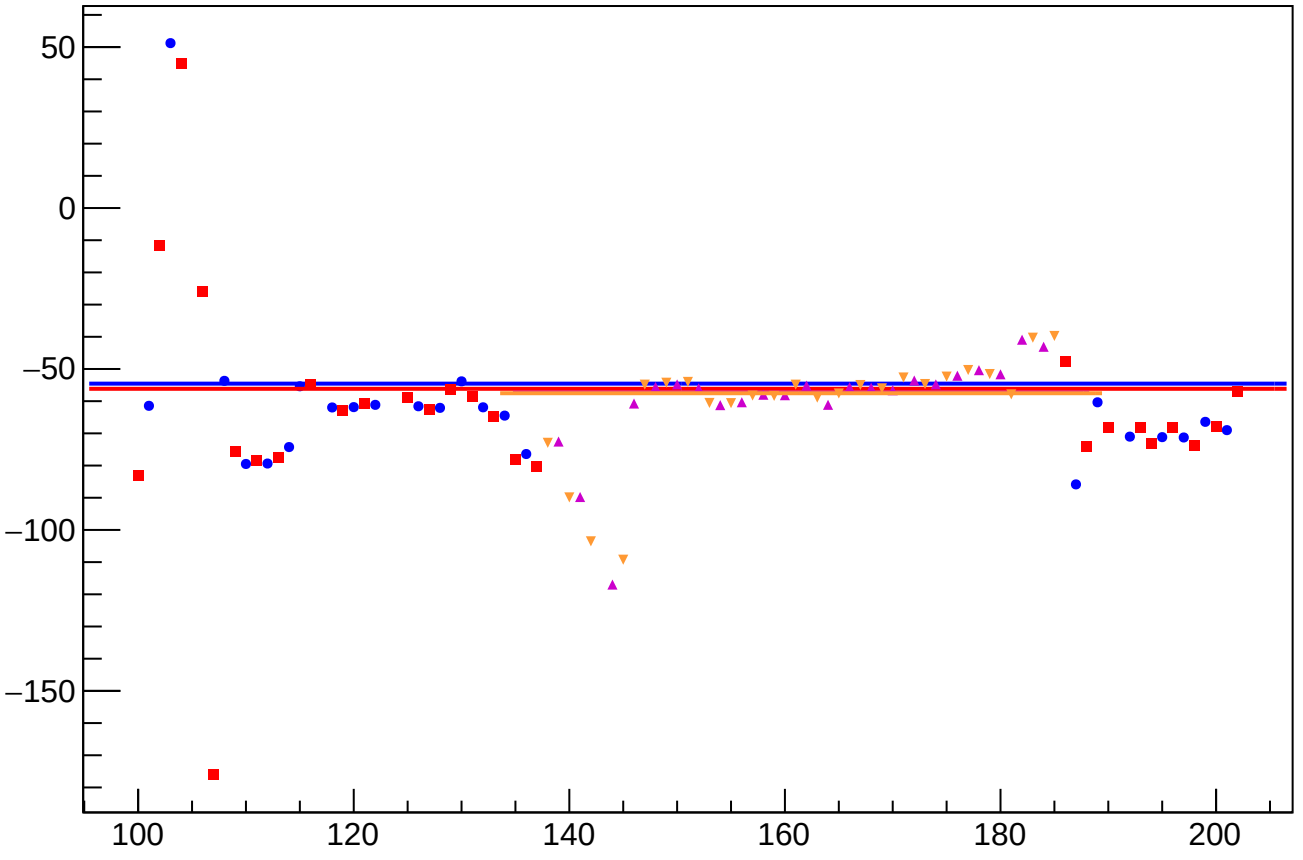
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -21.954+/-0.635 χ^2/NDF: 2006.0/49

In: -4.333+/-0.474 χ^2/NDF:2370.8/45

Out: -3.784+/-0.461 χ^2/NDF:2393.2/50

All: -4.051+/-0.330 χ^2/NDF: 4764.7/96



Right In: -54.553+/-0.047 χ^2/NDF: 641753.8/22

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -56.155+/-0.044 χ^2/NDF: 560904.4/26

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

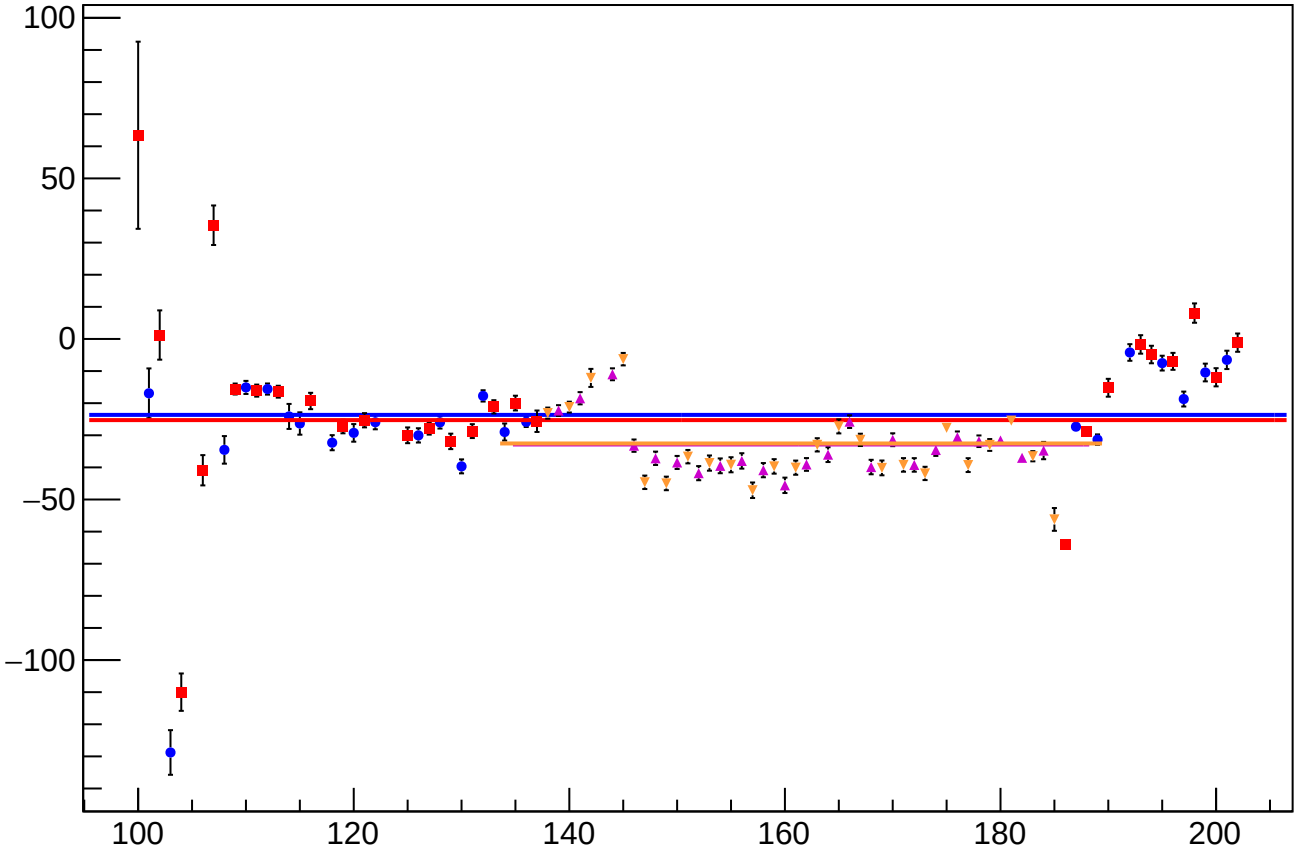
Right: -55.393+/-0.032 χ^2/NDF: 1203275.8/49

In: -56.757+/-0.022 χ^2/NDF:871745.8/45

Out: -57.206+/-0.022 χ^2/NDF:828667.5/50

All: -56.984+/-0.015 χ^2/NDF: 1700626.2/96

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.645+/-0.471 χ^2/NDF: 573.0/22

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -25.274+/-0.418 χ^2/NDF: 1615.6/26

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

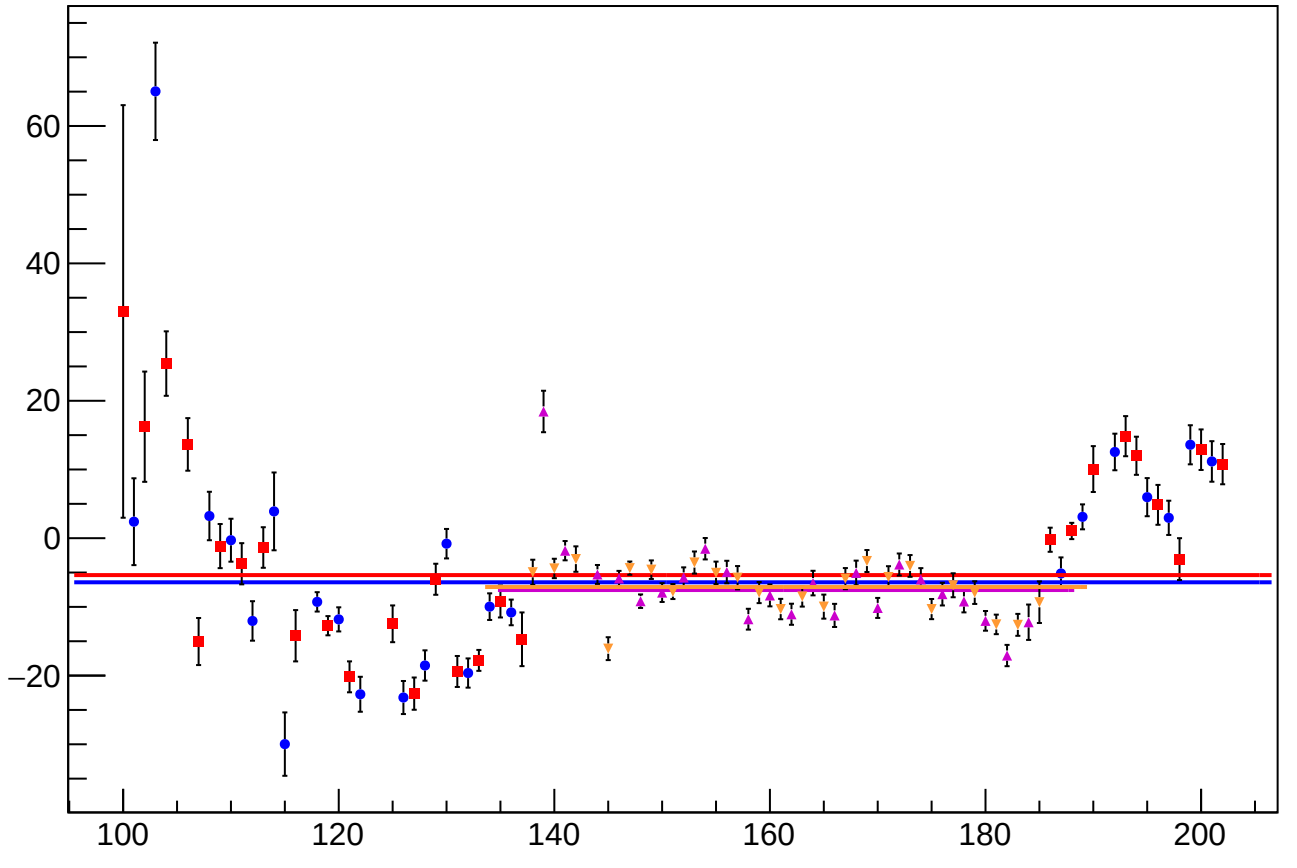
Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

Right: -24.556+/-0.312 χ^2/NDF: 2195.3/49

In: -28.873+/-0.310 χ^2/NDF:1163.9/45

Out: -29.009+/-0.291 χ^2/NDF:2375.0/50

All: -28.946+/-0.212 χ^2/NDF: 3539.0/96



Right In: -6.420+/-0.504 χ^2/NDF: 533.5/22

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -5.371+/-0.469 χ^2/NDF: 567.8/26

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

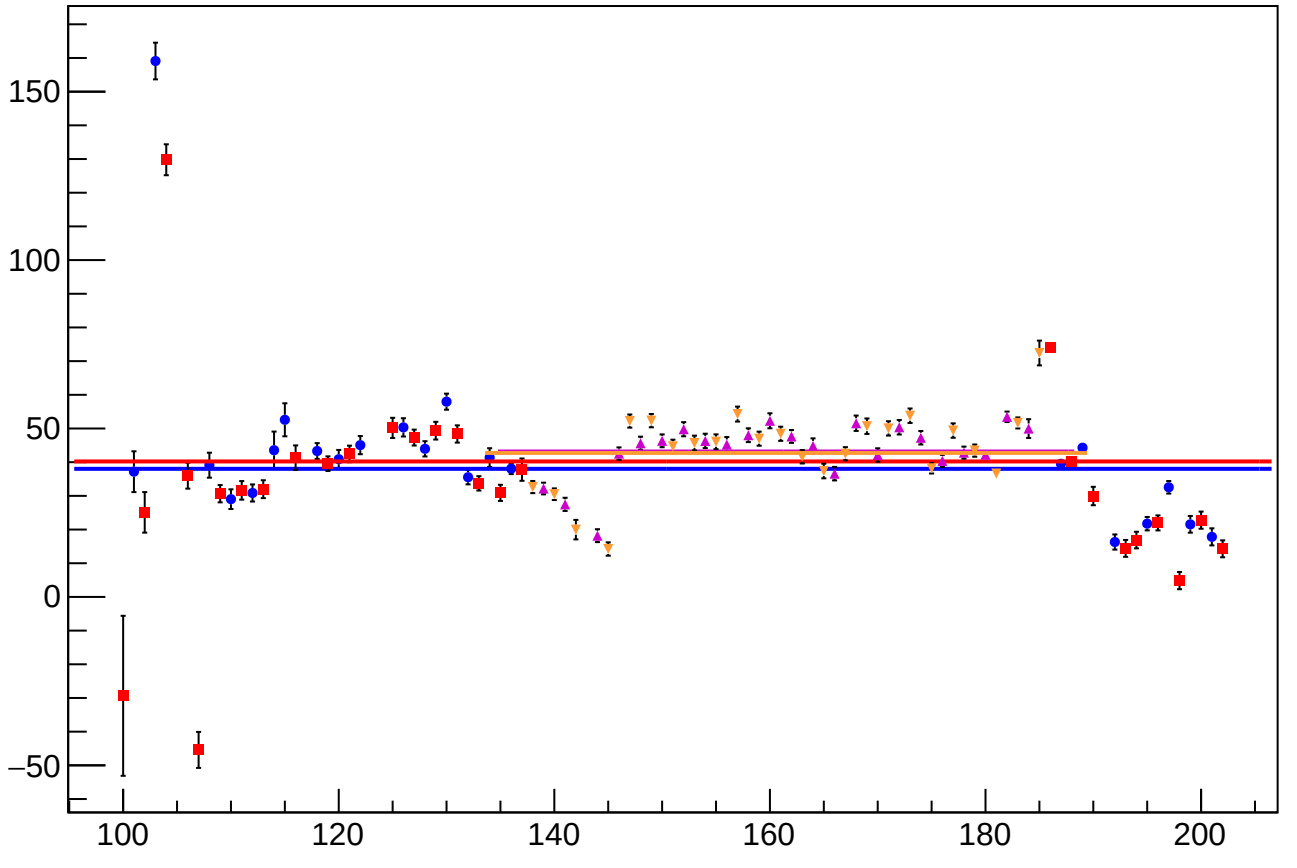
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -5.858+/-0.343 χ^2/NDF: 1103.6/49

In: -7.230+/-0.267 χ^2/NDF:736.8/45

Out: -6.583+/-0.258 χ^2/NDF:686.9/50

All: -6.895+/-0.186 χ^2/NDF: 1426.7/96



Right In: 38.027+/-0.471 χ^2/NDF: 934.3/22

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 40.220+/-0.402 χ^2/NDF: 2276.7/26

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

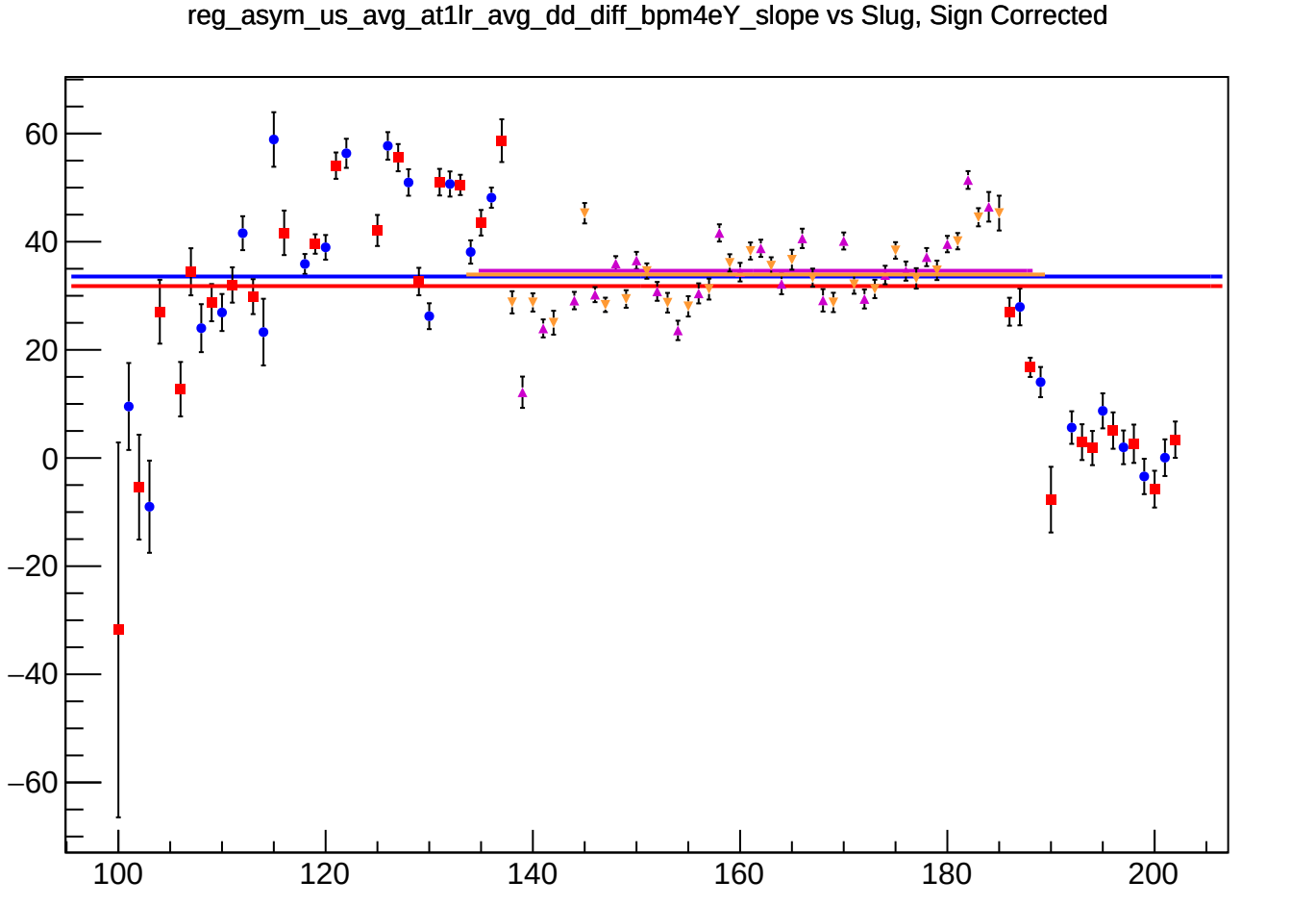
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 39.297+/-0.306 χ^2/NDF: 3223.5/49

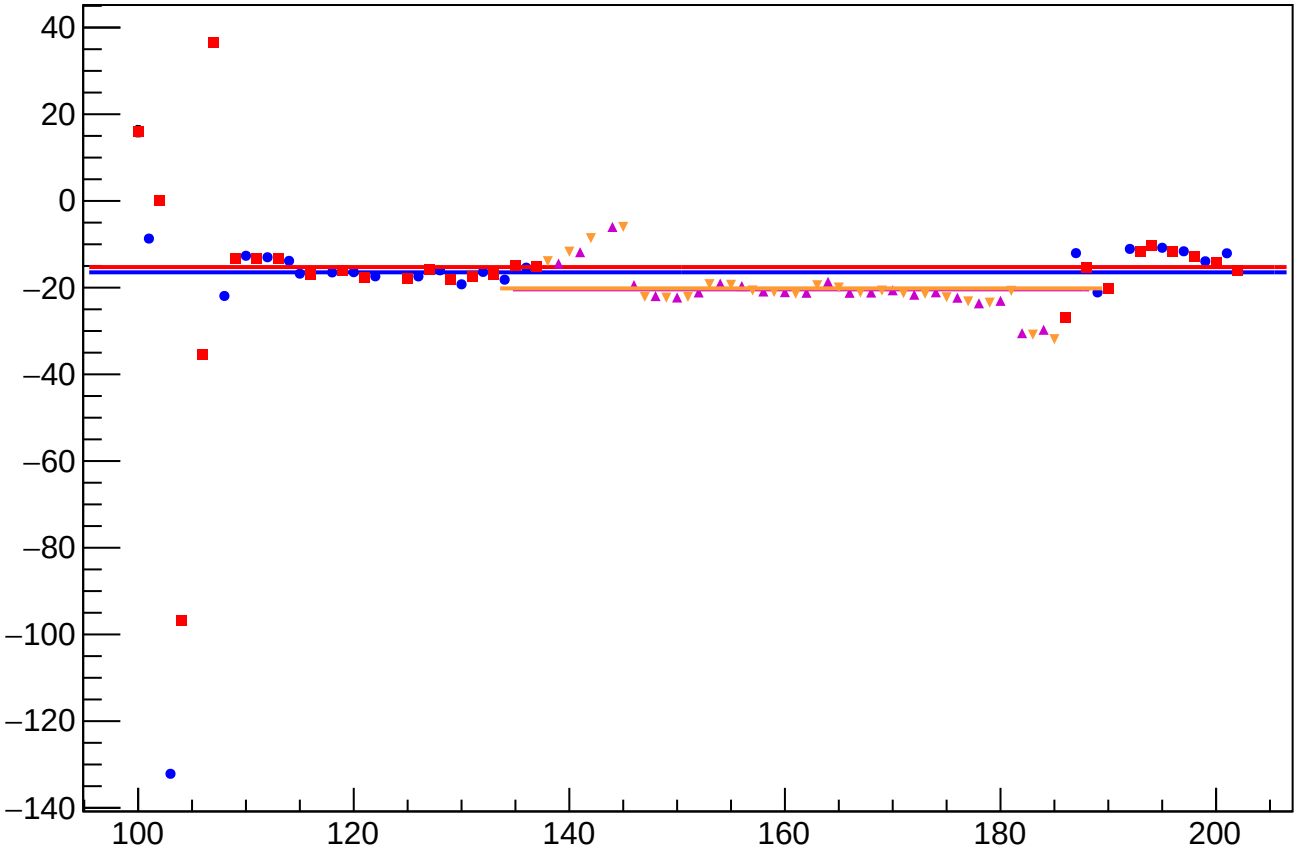
In: 40.971+/-0.308 χ^2/NDF:1415.5/45

Out: 41.477+/-0.285 χ^2/NDF:2927.9/50

All: 41.244+/-0.209 χ^2/NDF: 4344.8/96


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 33.563+/-0.593 χ²/NDF: 949.8/22
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 31.791+/-0.568 χ²/NDF: 1083.2/26
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
Left: 34.271+/-0.250 χ²/NDF: 594.5/46
Right: 32.639+/-0.410 χ²/NDF: 2037.6/49
In: 34.342+/-0.305 χ²/NDF:1328.1/45
Out: 33.340+/-0.298 χ²/NDF:1310.0/50
All: 33.830+/-0.213 χ²/NDF: 2643.6/96

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.467+/-0.029 χ^2/NDF: 267694.7/22

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.256+/-0.028 χ^2/NDF: 217352.2/26

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

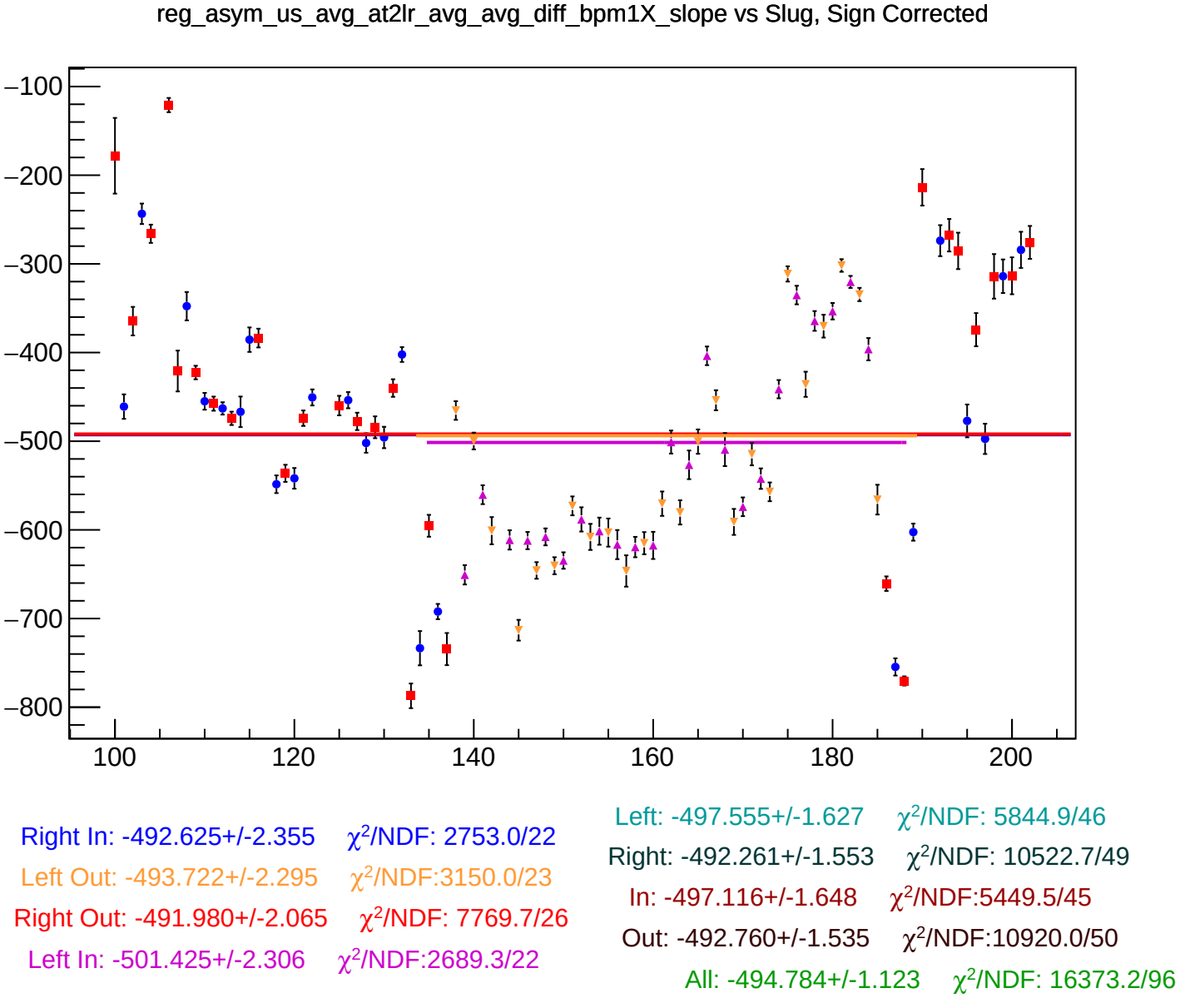
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -15.835+/-0.020 χ^2/NDF: 485950.4/49

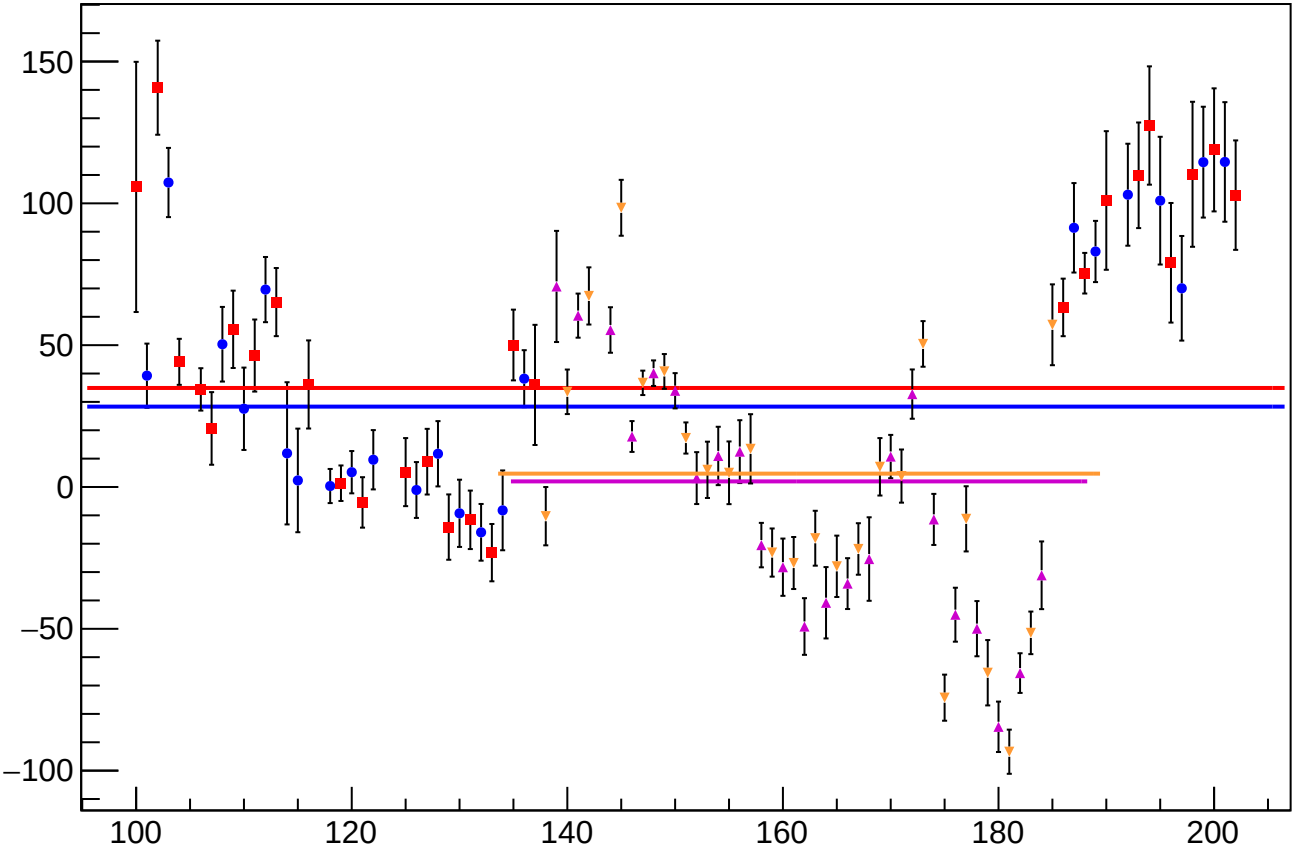
In: -19.504+/-0.014 χ^2/NDF:362915.1/45

Out: -18.981+/-0.014 χ^2/NDF:340888.7/50

All: -19.240+/-0.010 χ^2/NDF: 704523.6/96


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
Right In: -492.625+/-2.355 χ²/NDF: 2753.0/22
Left Out: -493.722+/-2.295 χ²/NDF:3150.0/23
Right Out: -491.980+/-2.065 χ²/NDF: 7769.7/26
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
Left: -497.555+/-1.627 χ²/NDF: 5844.9/46
Right: -492.261+/-1.553 χ²/NDF: 10522.7/49
In: -497.116+/-1.648 χ²/NDF:5449.5/45
Out: -492.760+/-1.535 χ²/NDF:10920.0/50
All: -494.784+/-1.123 χ²/NDF: 16373.2/96

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 28.335+/-2.444 χ^2/NDF: 254.6/22

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 34.911+/-2.243 χ^2/NDF: 312.3/26

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

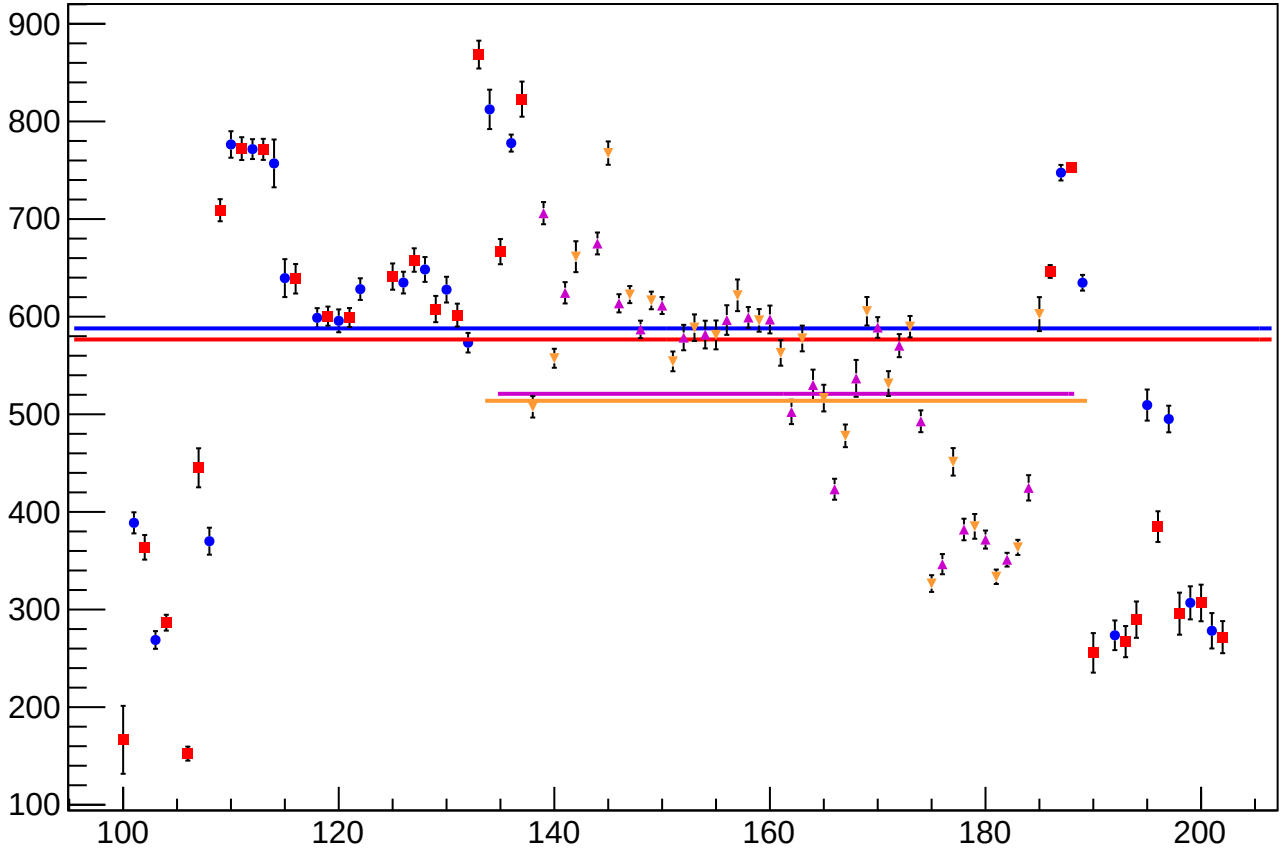
Right: 31.904+/-1.653 χ^2/NDF: 570.8/49

In: 10.716+/-1.408 χ^2/NDF:893.2/45

Out: 15.689+/-1.353 χ^2/NDF:1107.9/50

All: 13.301+/-0.975 χ^2/NDF: 2007.6/96

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.999+/-2.441 χ^2/NDF: 4564.9/22

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 576.643+/-2.058 χ^2/NDF: 10401.6/26

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

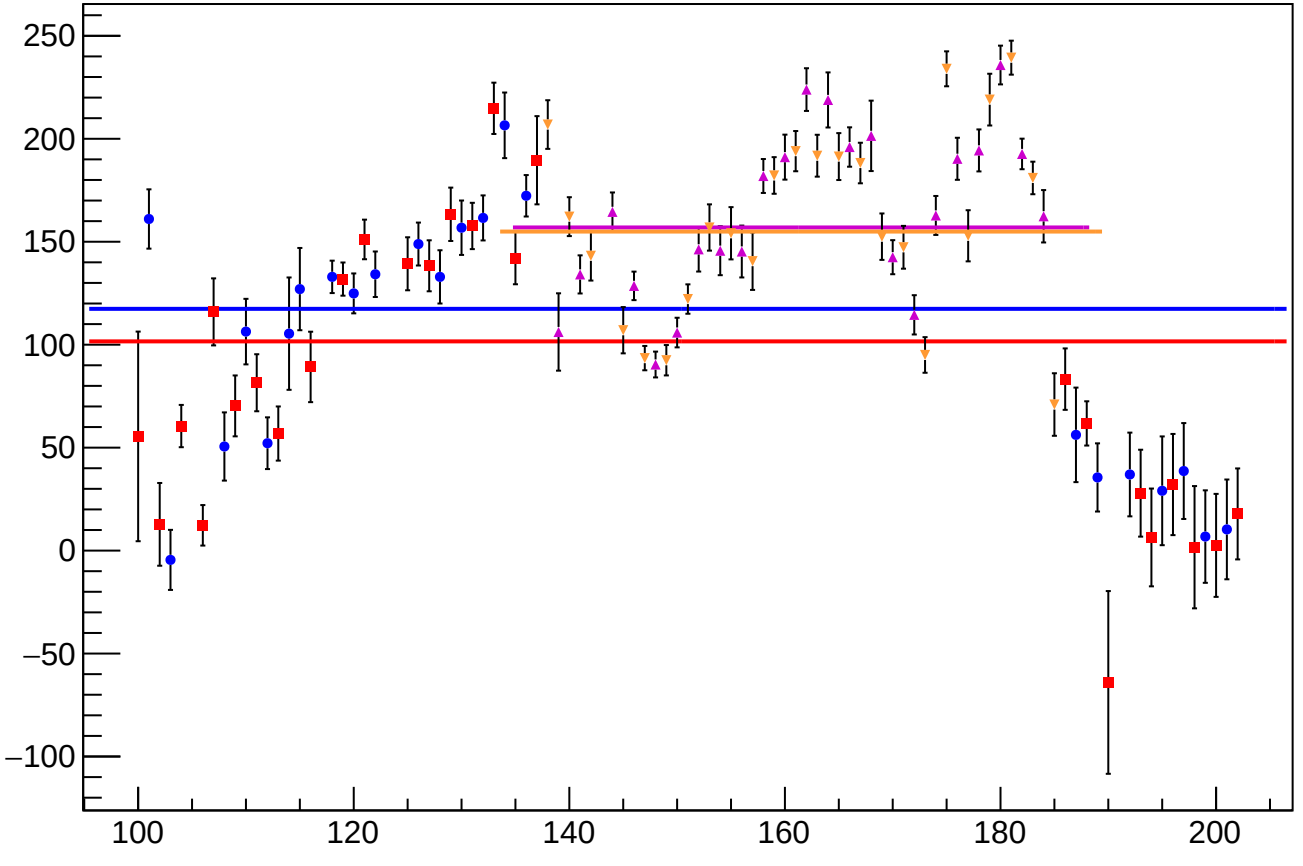
Right: 581.360+/-1.574 χ^2/NDF: 14979.2/49

In: 552.254+/-1.668 χ^2/NDF:7409.5/45

Out: 548.402+/-1.527 χ^2/NDF:13556.0/50

All: 550.159+/-1.126 χ^2/NDF: 20968.4/96

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.409+/-2.883 χ^2/NDF: 340.5/22

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 101.608+/-2.701 χ^2/NDF: 460.3/26

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

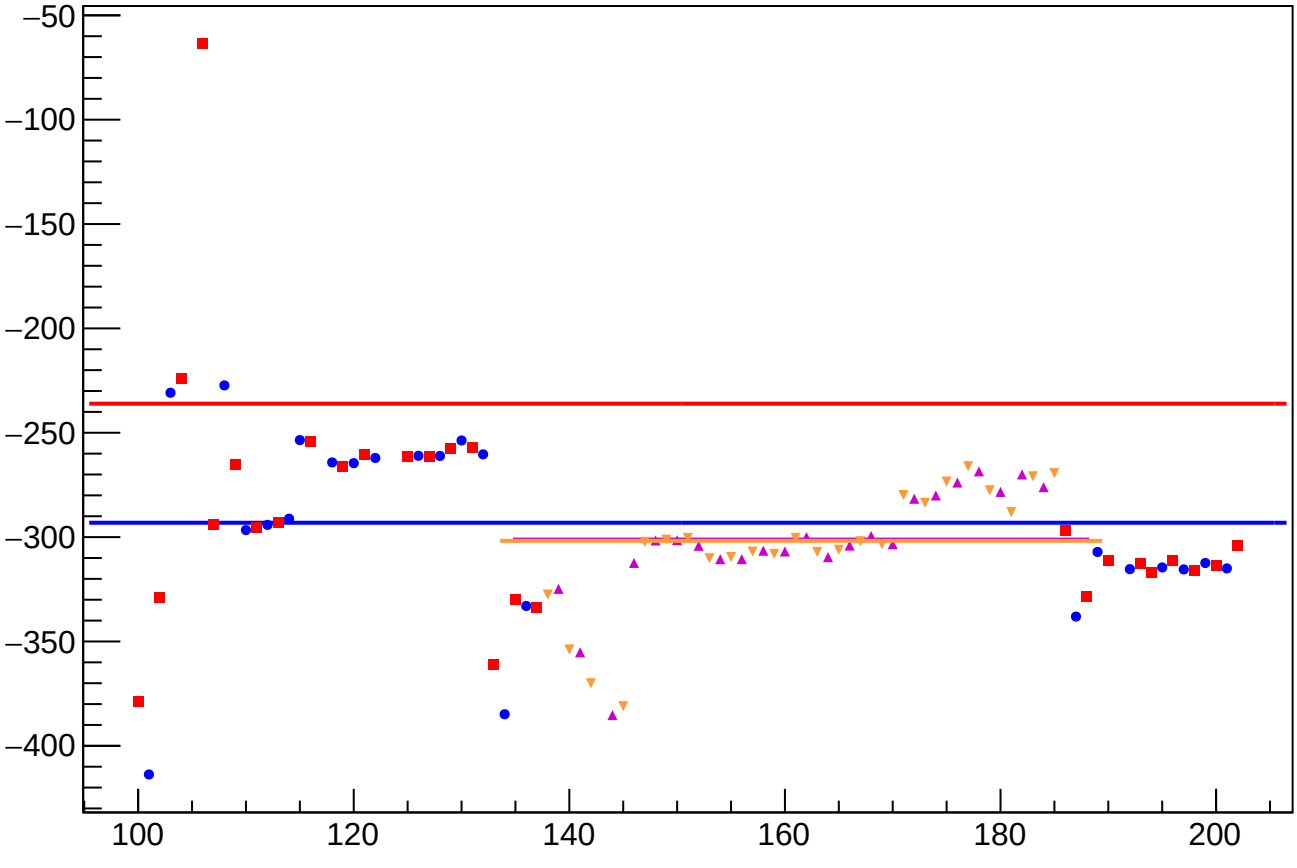
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 108.995+/-1.971 χ^2/NDF: 816.8/49

In: 144.344+/-1.627 χ^2/NDF:911.8/45

Out: 136.636+/-1.583 χ^2/NDF:1325.3/50

All: 140.384+/-1.135 χ^2/NDF: 2248.6/96



Right In: -293.116+/-0.151 χ^2/NDF: 112726.8/22

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -236.065+/-0.128 χ^2/NDF: 673070.7/26

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

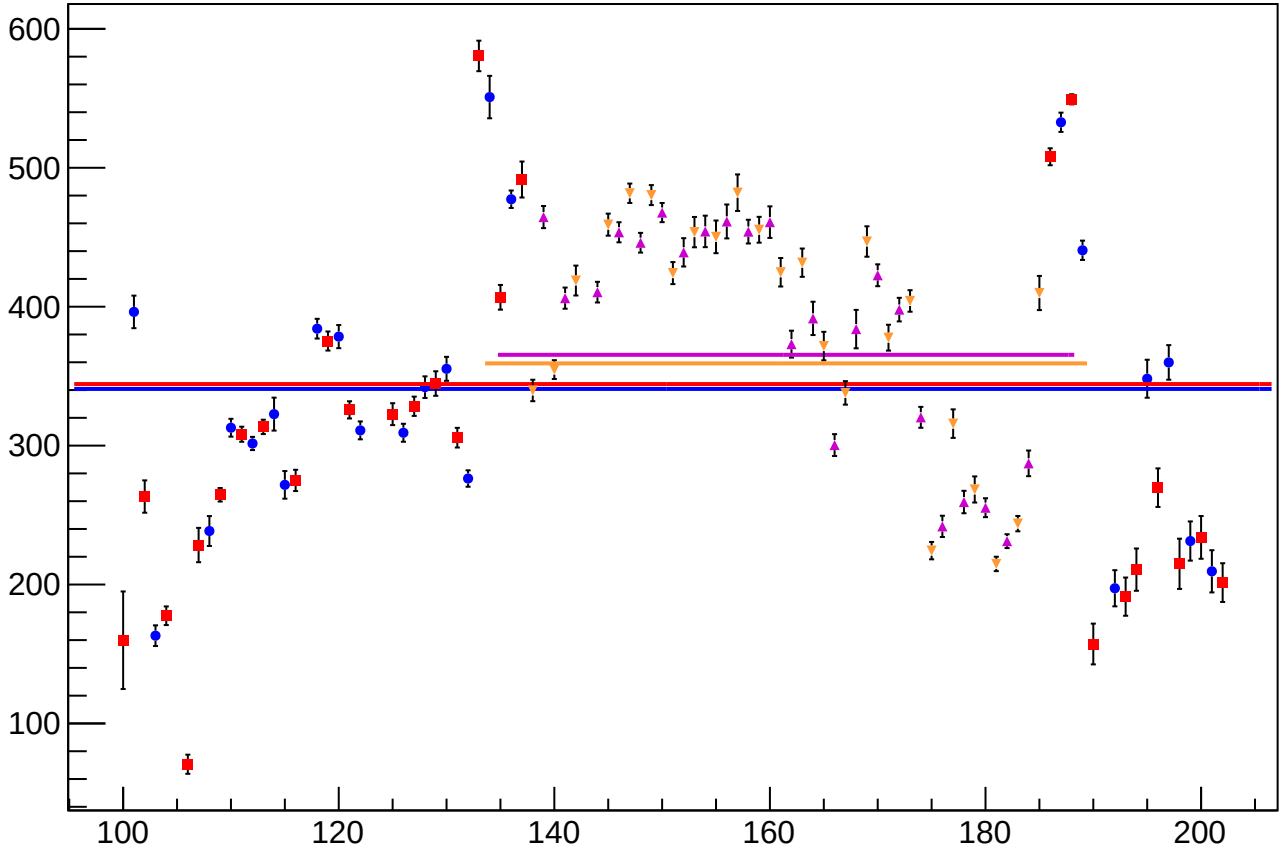
Right: -259.883+/-0.097 χ^2/NDF: 869287.6/49

In: -299.056+/-0.077 χ^2/NDF:190160.2/45

Out: -279.691+/-0.074 χ^2/NDF:935948.1/50

All: -288.950+/-0.053 χ^2/NDF: 1158877.3/96

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 340.798+/-1.670 χ^2/NDF: 2936.5/22

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 344.314+/-1.465 χ^2/NDF: 7977.3/26

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

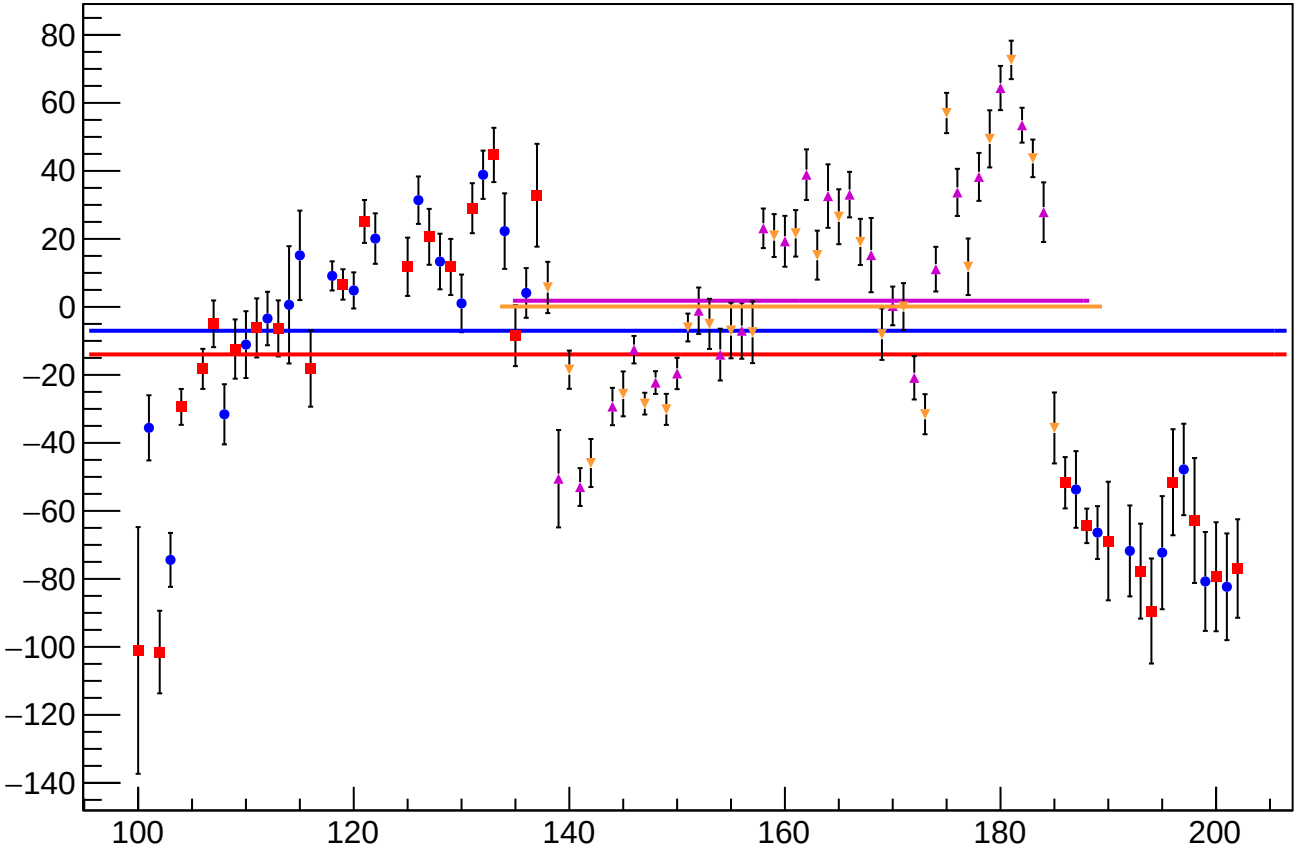
Right: 342.785+/-1.101 χ^2/NDF: 10916.3/49

In: 352.915+/-1.189 χ^2/NDF:5782.8/45

Out: 350.732+/-1.104 χ^2/NDF:11209.7/50

All: 351.743+/-0.809 χ^2/NDF: 16994.2/96

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.017+/-1.748 χ^2/NDF: 385.3/22

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -13.973+/-1.588 χ^2/NDF: 491.4/26

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

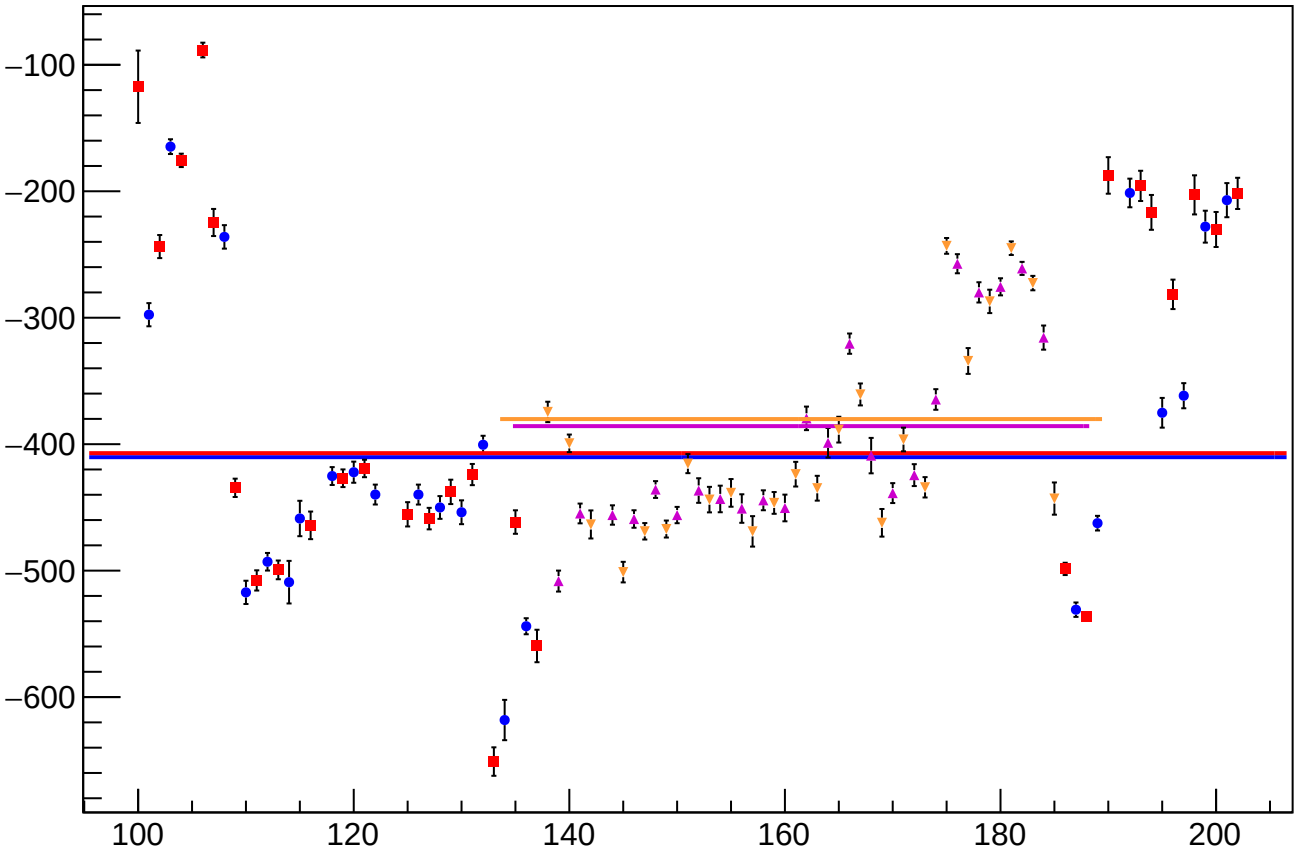
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -10.828+/-1.176 χ^2/NDF: 885.3/49

In: -1.228+/-1.026 χ^2/NDF:979.0/45

Out: -5.257+/-0.981 χ^2/NDF:1178.0/50

All: -3.333+/-0.709 χ^2/NDF: 2165.0/96



Right In: -410.279+/-1.741 χ^2/NDF: 4620.5/22

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -407.095+/-1.468 χ^2/NDF: 10472.5/26

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

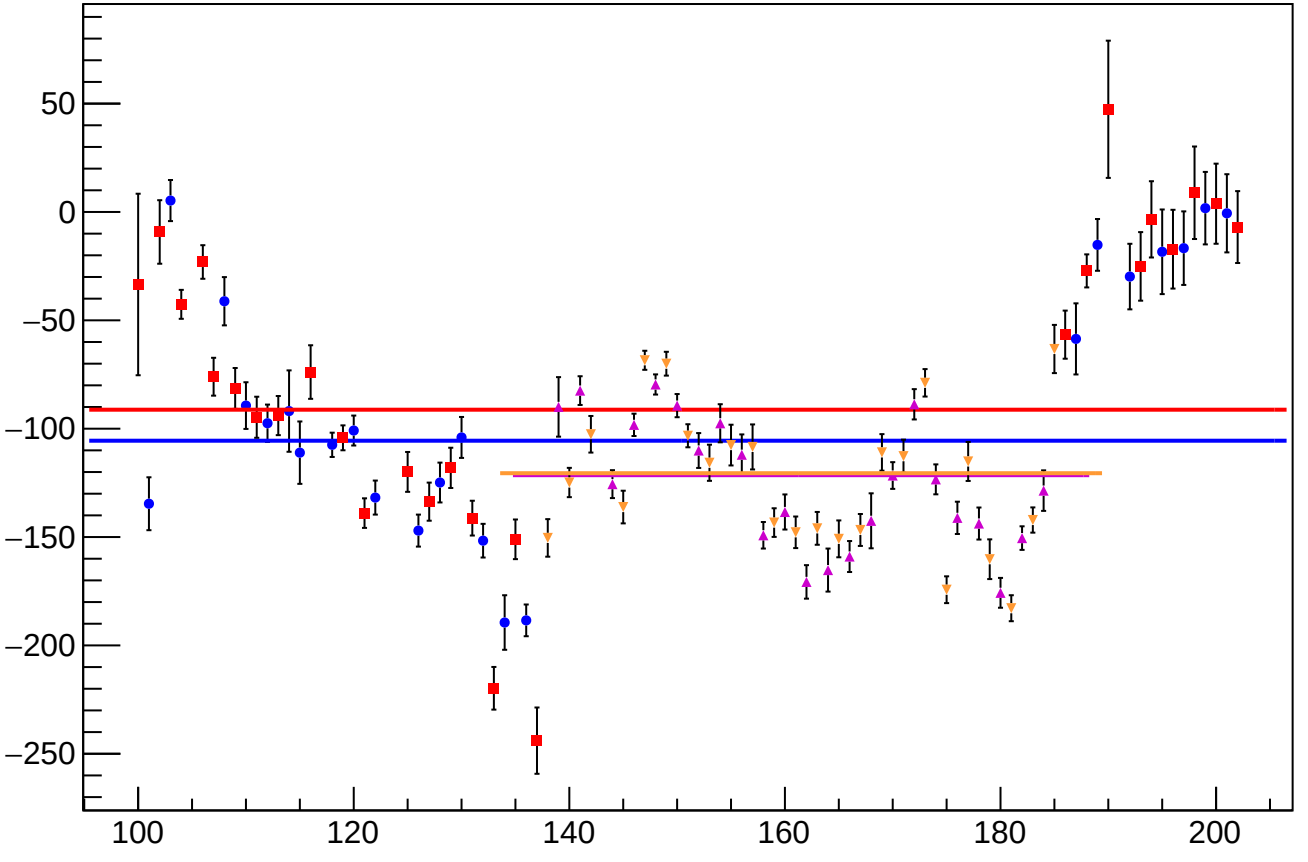
Right: -408.418+/-1.122 χ^2/NDF: 15094.9/49

In: -397.544+/-1.208 χ^2/NDF:7084.9/45

Out: -395.345+/-1.102 χ^2/NDF:13238.0/50

All: -396.344+/-0.814 χ^2/NDF: 20324.7/96

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.549+/-2.061 χ^2/NDF: 648.0/22

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -91.239+/-1.910 χ^2/NDF: 849.8/26

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

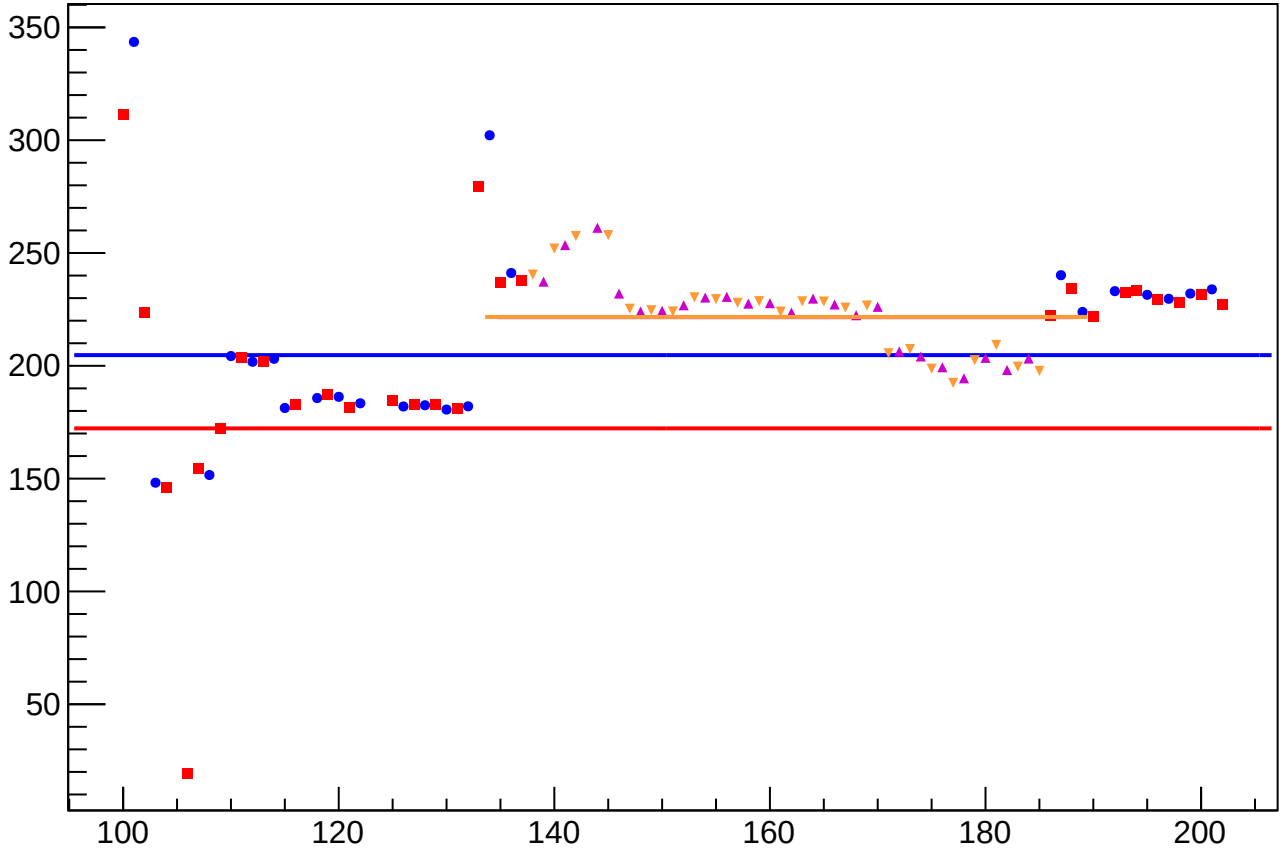
Right: -97.852+/-1.401 χ^2/NDF: 1523.7/49

In: -116.187+/-1.186 χ^2/NDF:1120.5/45

Out: -109.967+/-1.147 χ^2/NDF:1611.7/50

All: -112.975+/-0.825 χ^2/NDF: 2746.4/96

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 204.736+/-0.107 χ^2/NDF: 199115.1/22

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 172.265+/-0.094 χ^2/NDF: 639637.6/26

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

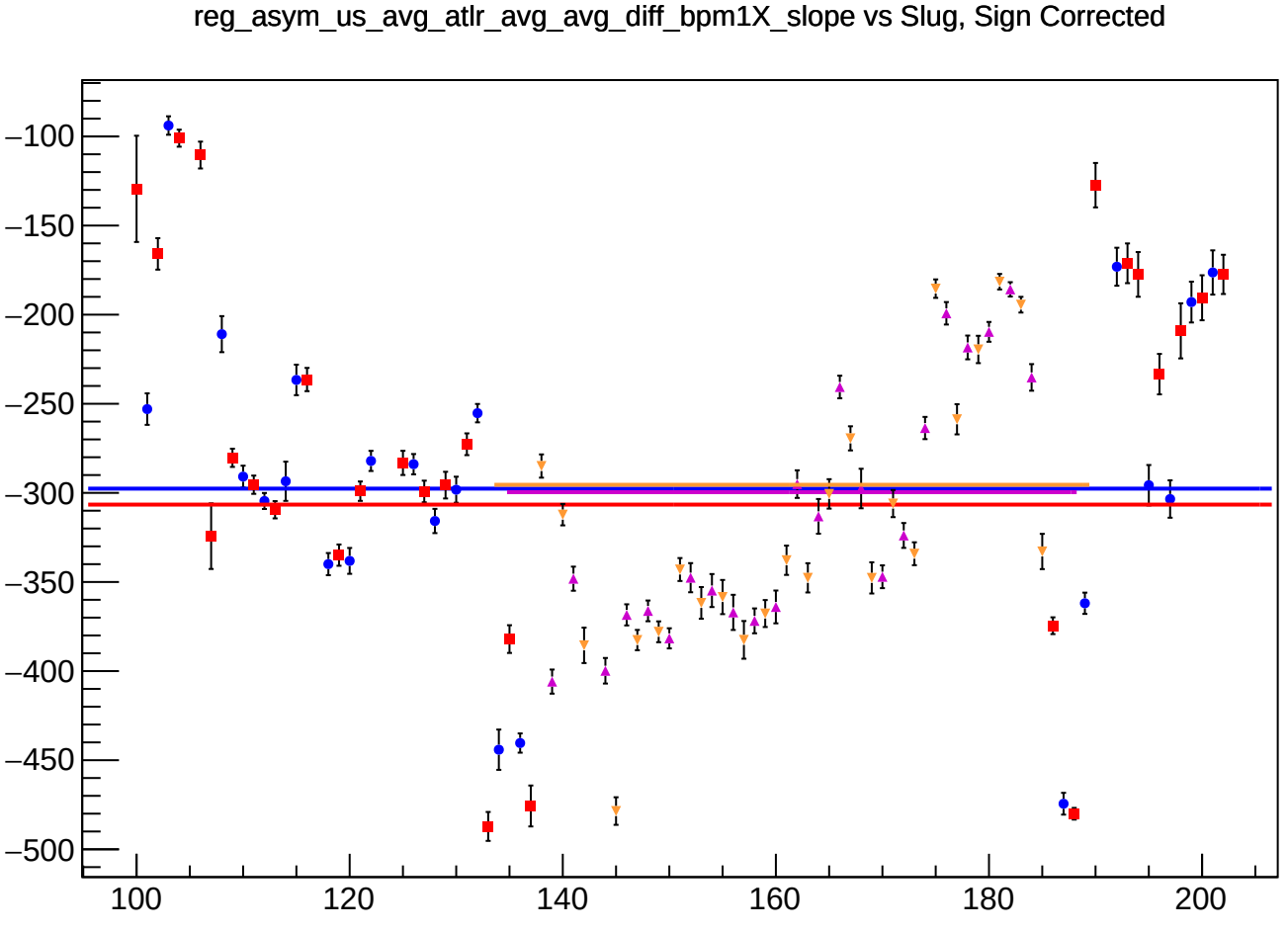
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 186.422+/-0.071 χ^2/NDF: 890479.0/49

In: 216.925+/-0.056 χ^2/NDF:279090.5/45

Out: 205.184+/-0.054 χ^2/NDF:889788.7/50

All: 210.853+/-0.039 χ^2/NDF: 1191343.8/96



Right In: -297.618+/-1.443 χ^2/NDF: 4006.8/22

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -306.576+/-1.290 χ^2/NDF: 7613.2/26

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

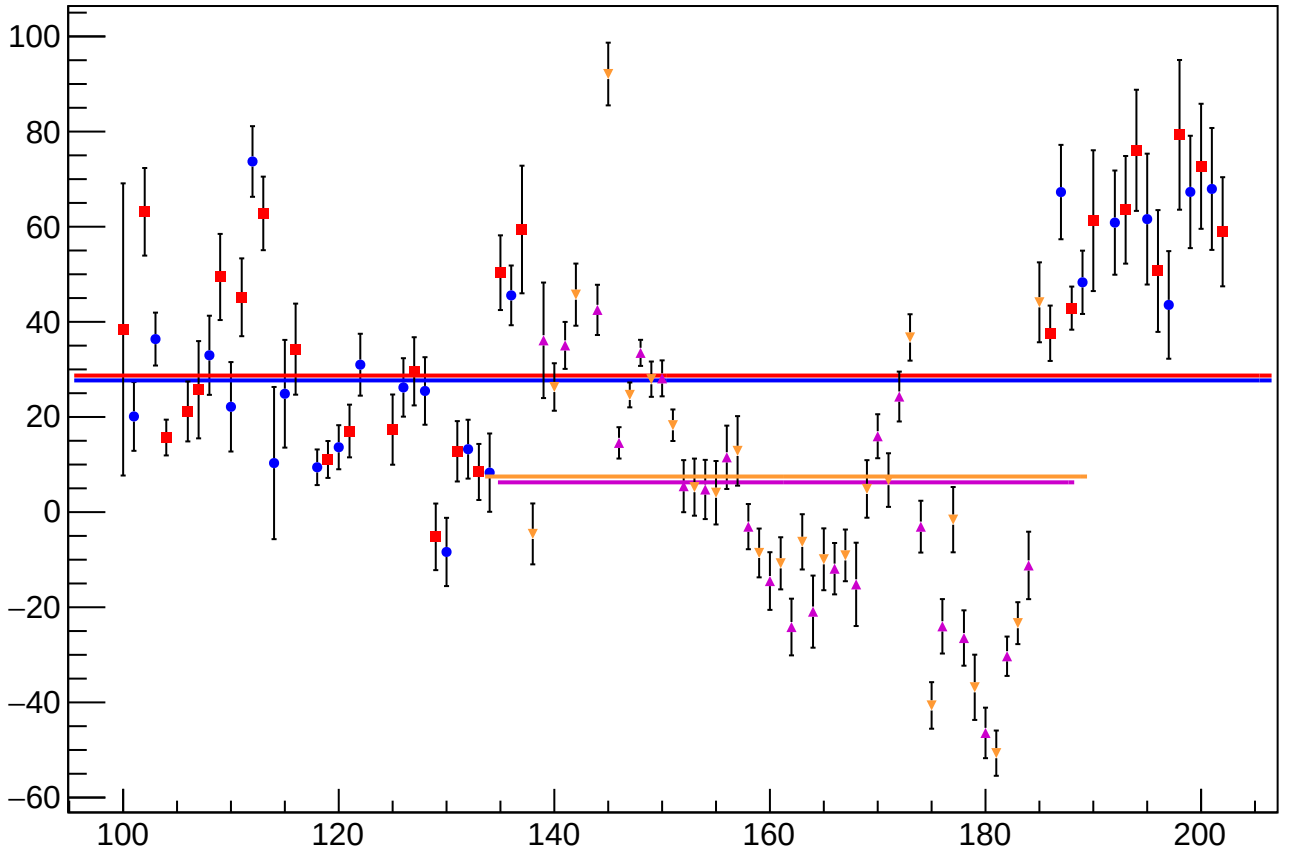
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -302.598+/-0.962 χ^2/NDF: 11641.4/49

In: -298.635+/-1.004 χ^2/NDF:6979.4/45

Out: -301.445+/-0.946 χ^2/NDF:10993.7/50

All: -300.123+/-0.689 χ^2/NDF: 17977.3/96



Right In: 27.687+/-1.494 χ^2/NDF: 185.6/22

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 28.711+/-1.379 χ^2/NDF: 210.3/26

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

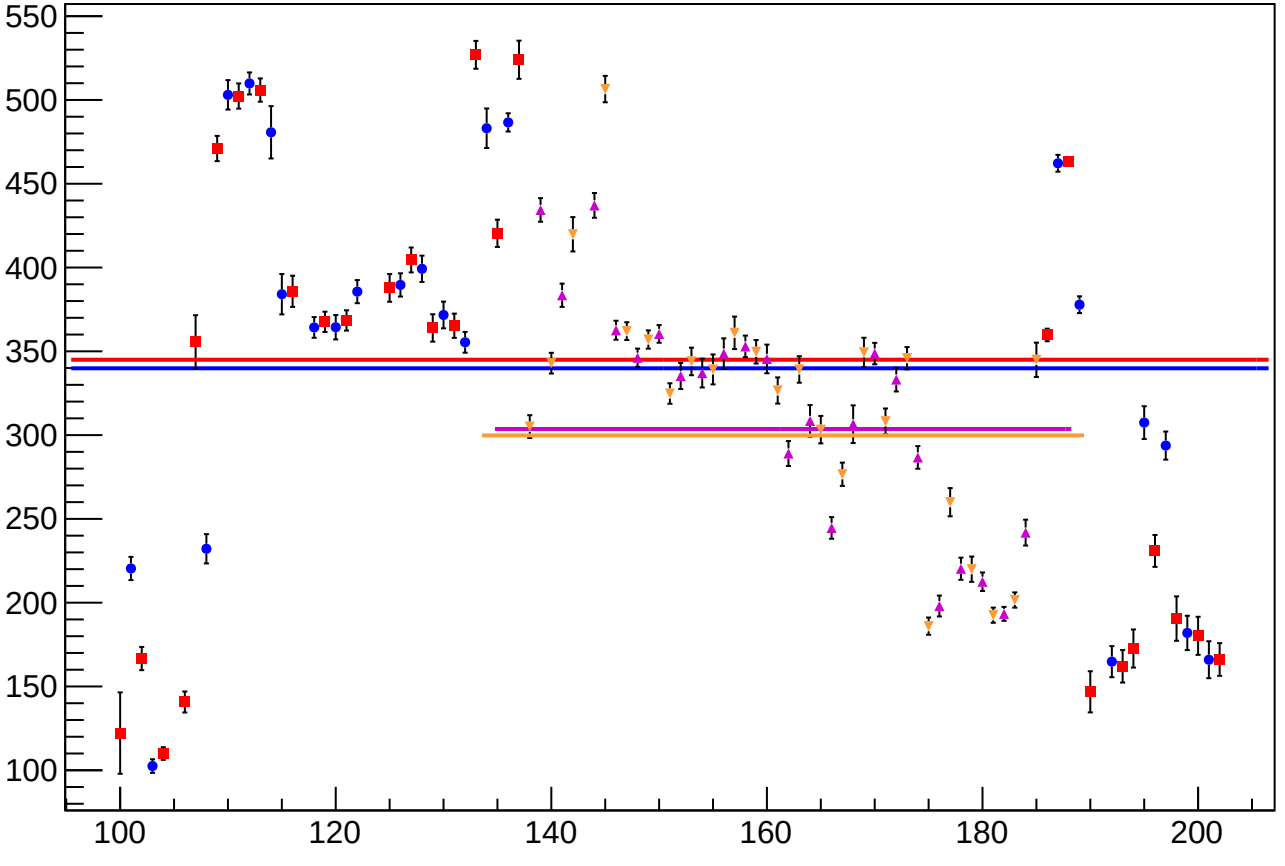
Right: 28.240+/-1.013 χ^2/NDF: 396.1/49

In: 13.299+/-0.856 χ^2/NDF:883.2/45

Out: 15.085+/-0.825 χ^2/NDF:1100.9/50

All: 14.225+/-0.594 χ^2/NDF: 1986.3/96

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 339.870+/-1.473 χ^2/NDF: 7580.1/22

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 344.996+/-1.267 χ^2/NDF: 11617.3/26

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

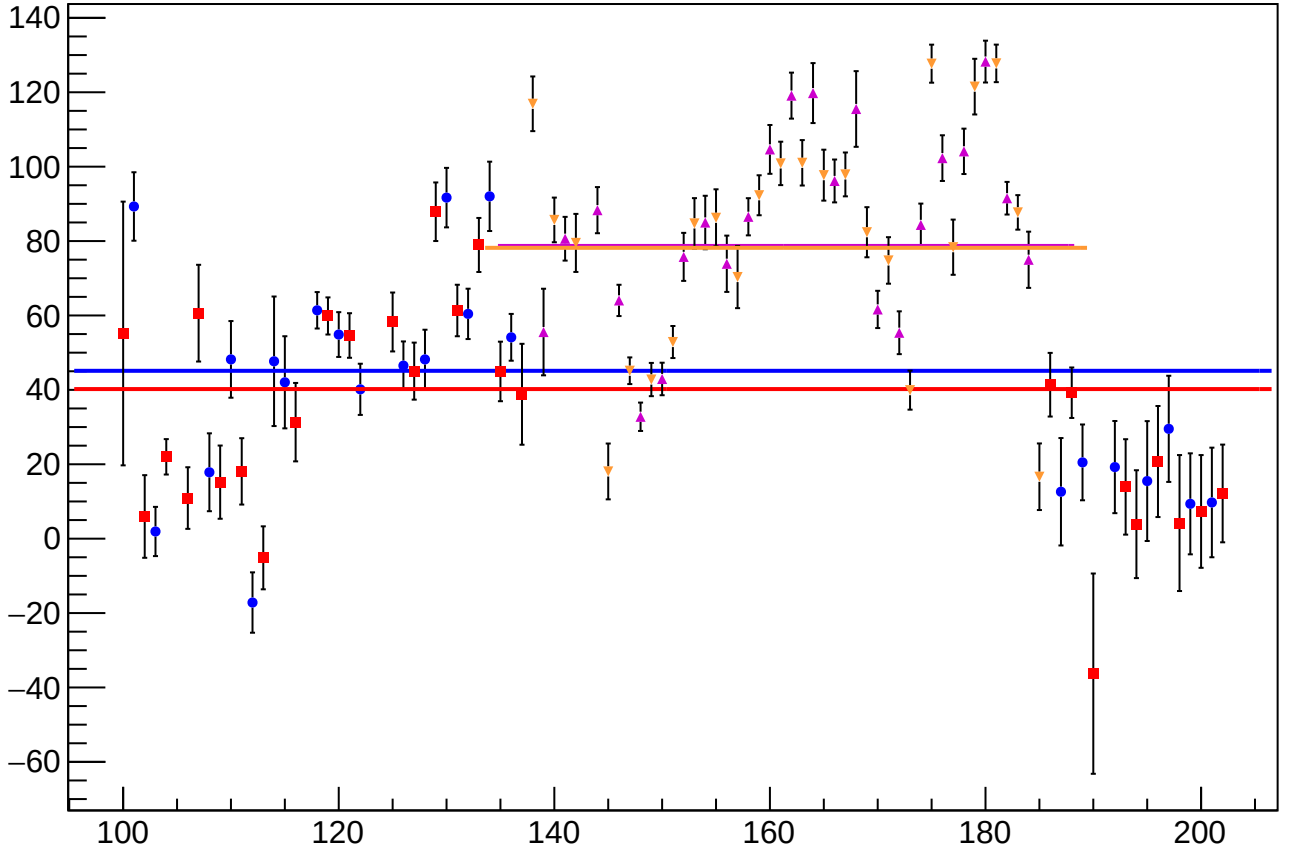
Right: 342.817+/-0.960 χ^2/NDF: 19204.4/49

In: 320.616+/-1.008 χ^2/NDF:10774.1/45

Out: 324.361+/-0.933 χ^2/NDF:15274.5/50

All: 322.632+/-0.685 χ^2/NDF: 26056.1/96

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.122+/-1.762 χ^2/NDF: 244.9/22

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 40.215+/-1.661 χ^2/NDF: 216.4/26

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

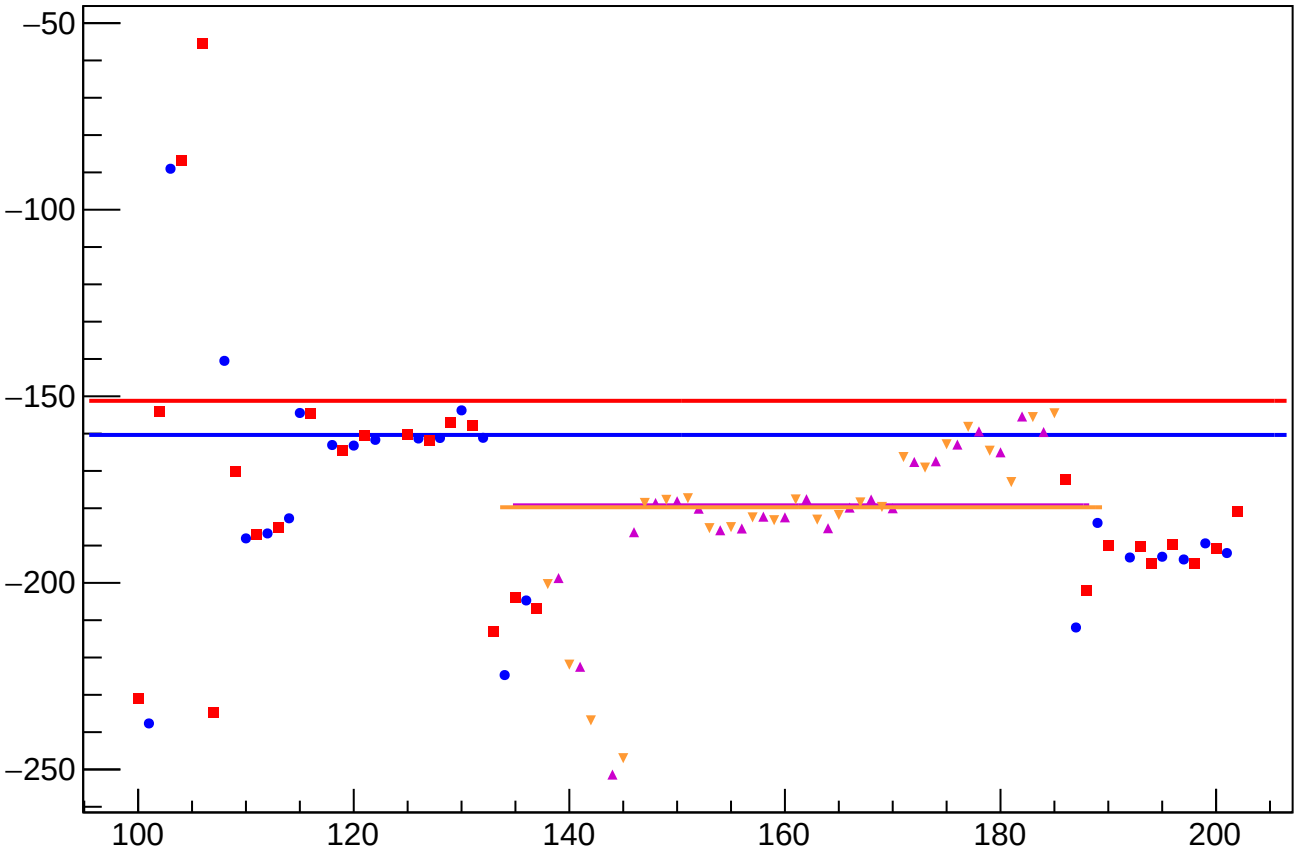
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 42.523+/-1.209 χ^2/NDF: 465.4/49

In: 68.118+/-0.989 χ^2/NDF:982.0/45

Out: 65.378+/-0.964 χ^2/NDF:1226.2/50

All: 66.714+/-0.690 χ^2/NDF: 2212.1/96



Right In: -160.354+/-0.087 χ^2/NDF: 301654.8/22

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -151.213+/-0.081 χ^2/NDF: 413770.3/26

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

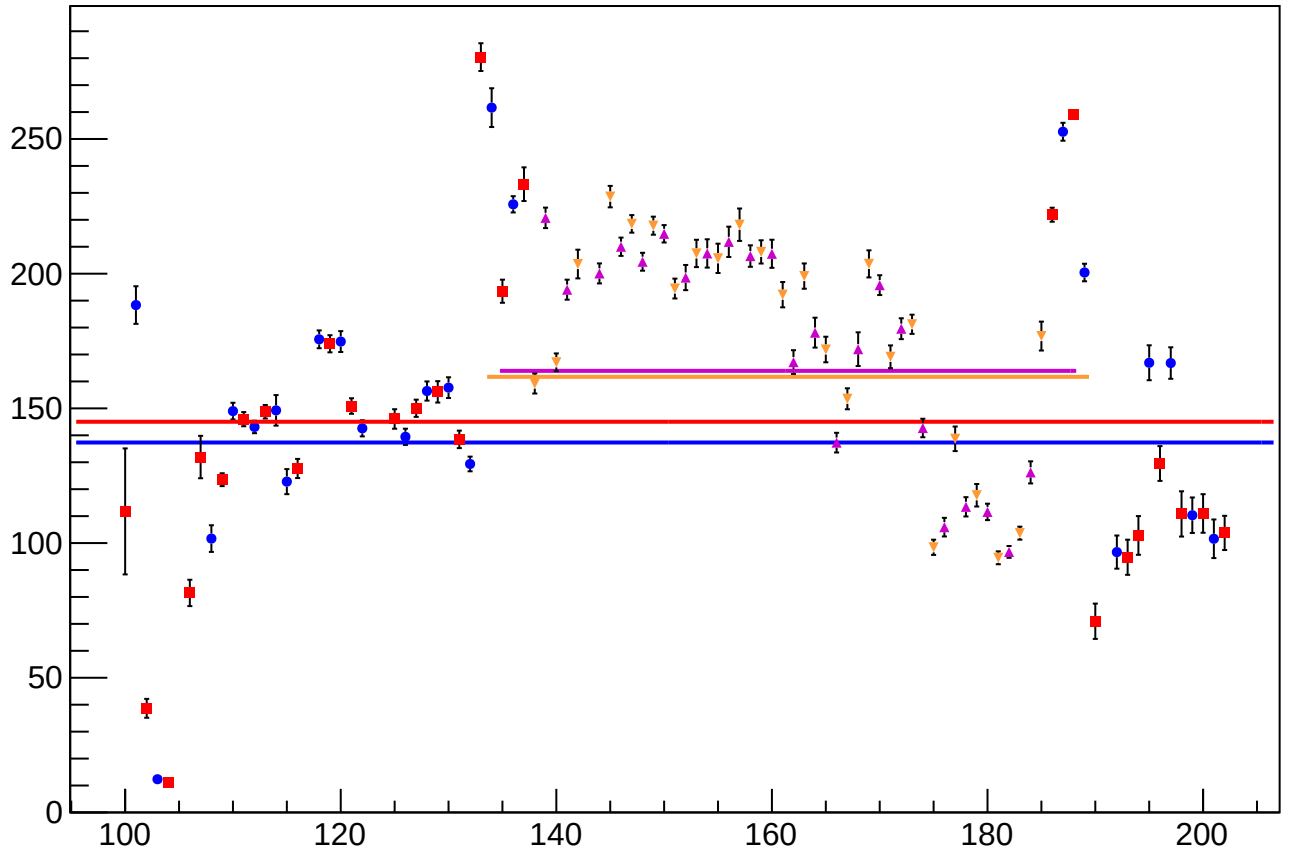
Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

Right: -155.477+/-0.060 χ^2/NDF: 721294.2/49

In: -173.914+/-0.046 χ^2/NDF:448855.9/45

Out: -170.811+/-0.046 χ^2/NDF:630153.0/50

All: -172.341+/-0.032 χ^2/NDF: 1081292.6/96



Right In: 137.329+/-0.740 χ^2/NDF: 8033.3/22

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 145.033+/-0.661 χ^2/NDF: 13095.8/26

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

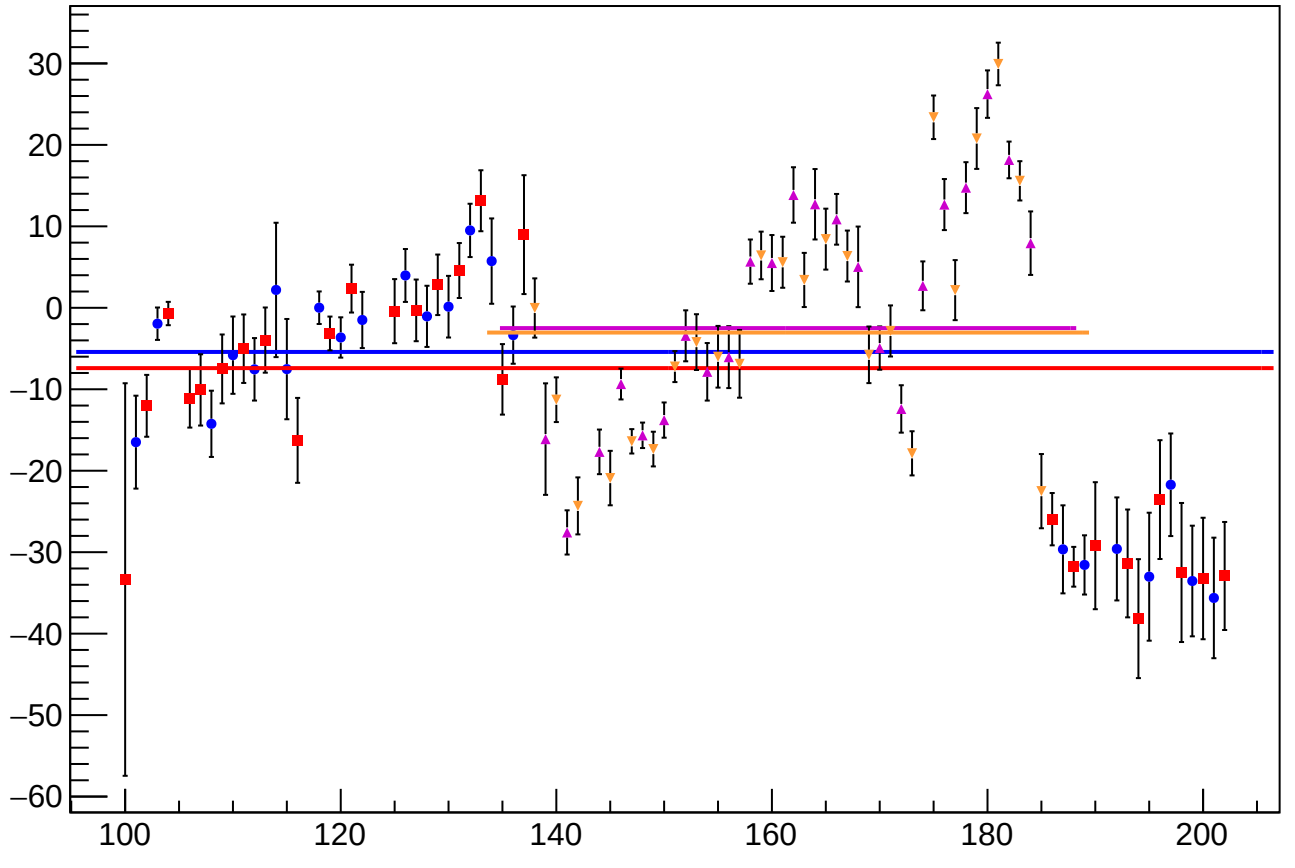
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 141.612+/-0.493 χ^2/NDF: 21189.4/49

In: 149.935+/-0.536 χ^2/NDF:11981.7/45

Out: 152.045+/-0.503 χ^2/NDF:16950.5/50

All: 151.057+/-0.367 χ^2/NDF: 28940.4/96



Right In: -5.418+/-0.777 χ^2/NDF: 198.8/22

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -7.404+/-0.693 χ^2/NDF: 319.4/26

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

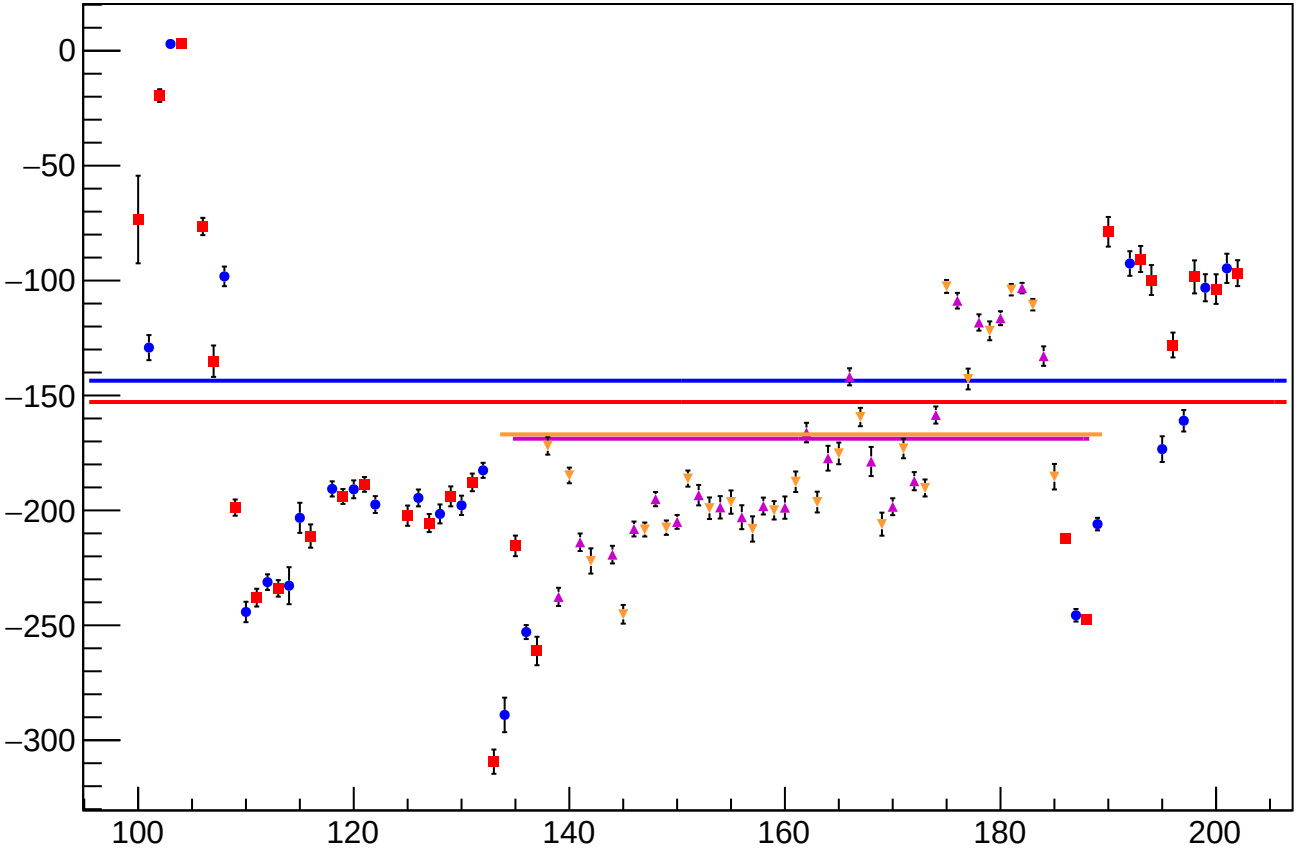
Right: -6.523+/-0.517 χ^2/NDF: 521.9/49

In: -3.556+/-0.468 χ^2/NDF:770.7/45

Out: -4.830+/-0.444 χ^2/NDF:997.3/50

All: -4.226+/-0.322 χ^2/NDF: 1772.0/96

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -143.571+/-0.739 χ^2/NDF: 17121.9/22

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -152.846+/-0.641 χ^2/NDF: 23746.3/26

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

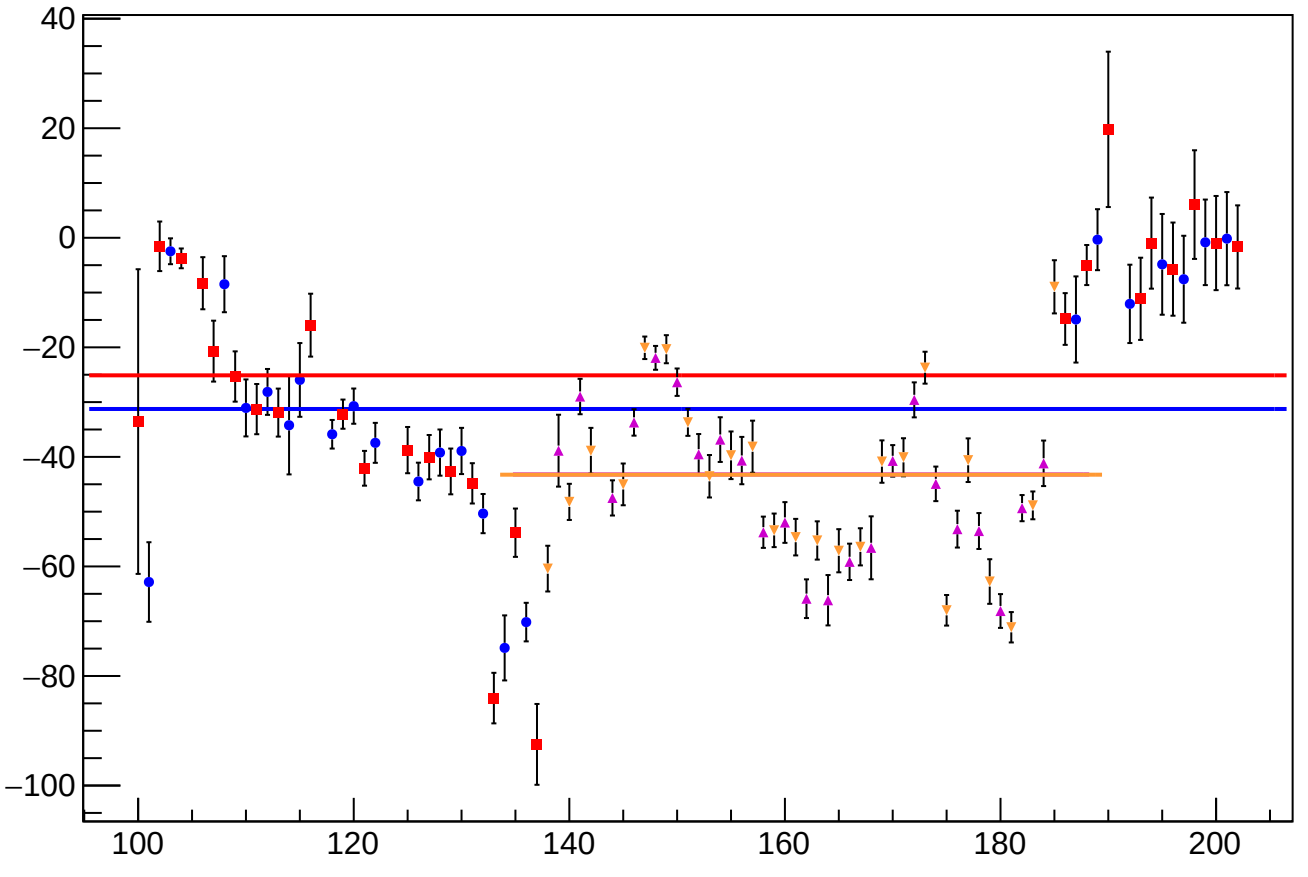
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -148.865+/-0.484 χ^2/NDF: 40958.1/49

In: -155.635+/-0.534 χ^2/NDF:20738.7/45

Out: -158.597+/-0.493 χ^2/NDF:27039.4/50

All: -157.234+/-0.362 χ^2/NDF: 47794.7/96



Right In: -31.254+/-0.915 χ^2/NDF: 509.2/22

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -25.112+/-0.837 χ^2/NDF: 671.4/26

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

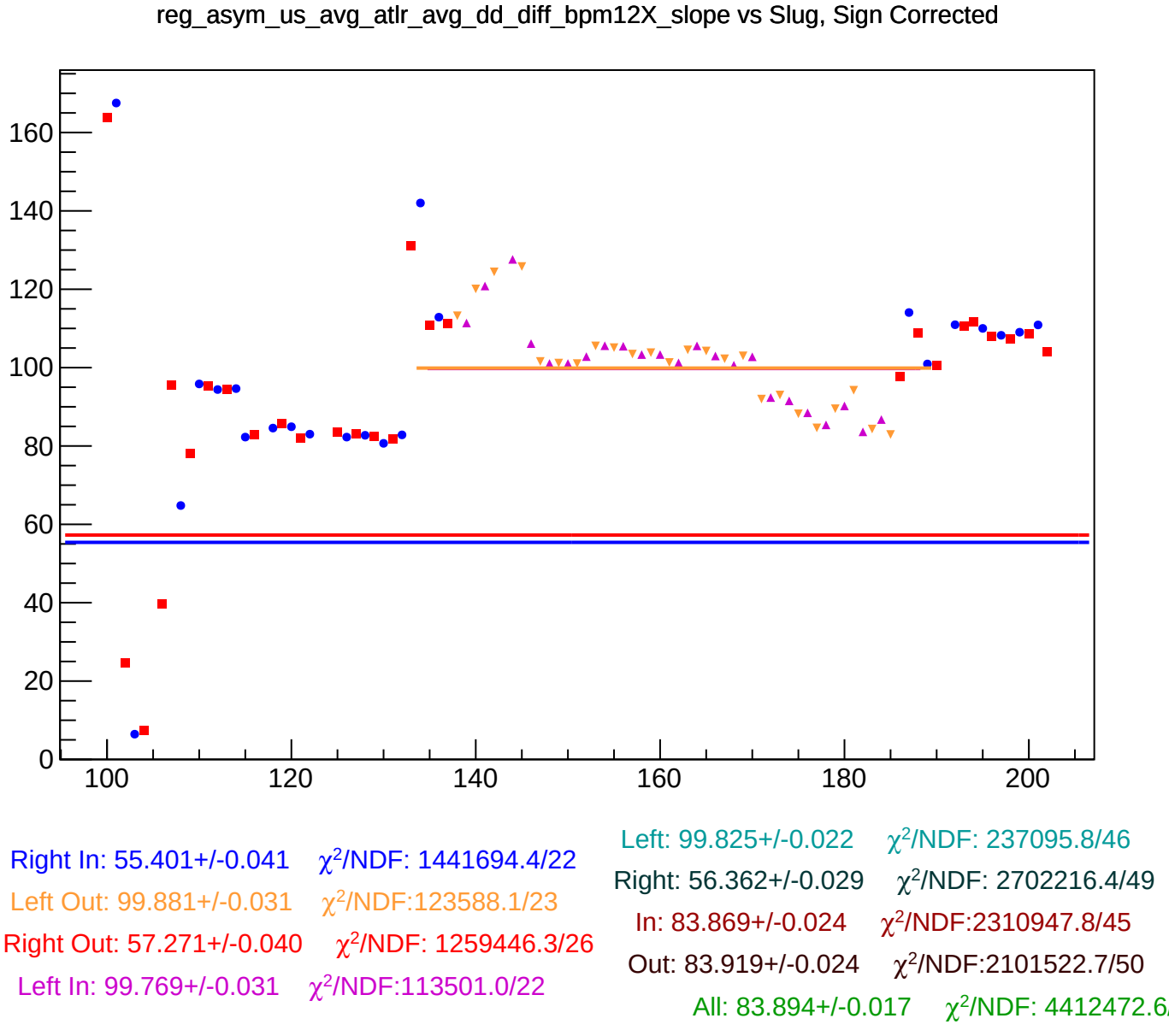
Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

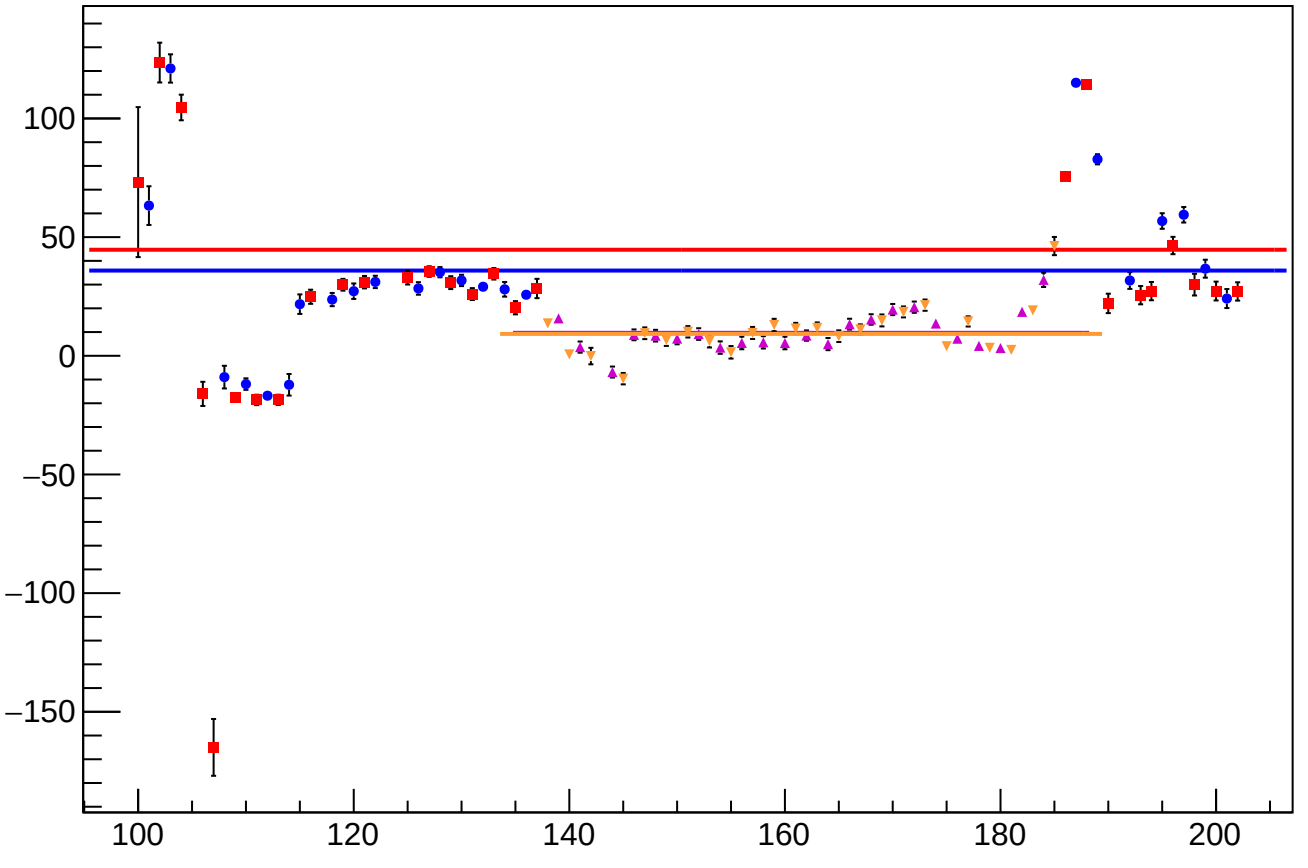
Right: -27.909+/-0.618 χ^2/NDF: 1205.1/49

In: -39.037+/-0.541 χ^2/NDF:1026.1/45

Out: -36.244+/-0.520 χ^2/NDF:1569.8/50

All: -37.586+/-0.375 χ^2/NDF: 2609.7/96


reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
0
100
120
140
160
180
200
Right In: 55.401+/-0.041 χ2/NDF: 1441694.4/22
Left Out: 99.881+/-0.031 χ2/NDF:123588.1/23
Right Out: 57.271+/-0.040 χ2/NDF: 1259446.3/26
Left In: 99.769+/-0.031 χ2/NDF:113501.0/22
Left: 99.825+/-0.022 χ2/NDF: 237095.8/46
Right: 56.362+/-0.029 χ2/NDF: 2702216.4/49
In: 83.869+/-0.024 χ2/NDF:2310947.8/45
Out: 83.919+/-0.024 χ2/NDF:2101522.7/50
All: 83.894+/-0.017 χ2/NDF: 4412472.6/96



Right In: 35.915+/-0.578 χ^2/NDF: 3749.2/22

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 44.686+/-0.506 χ^2/NDF: 7831.1/26

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

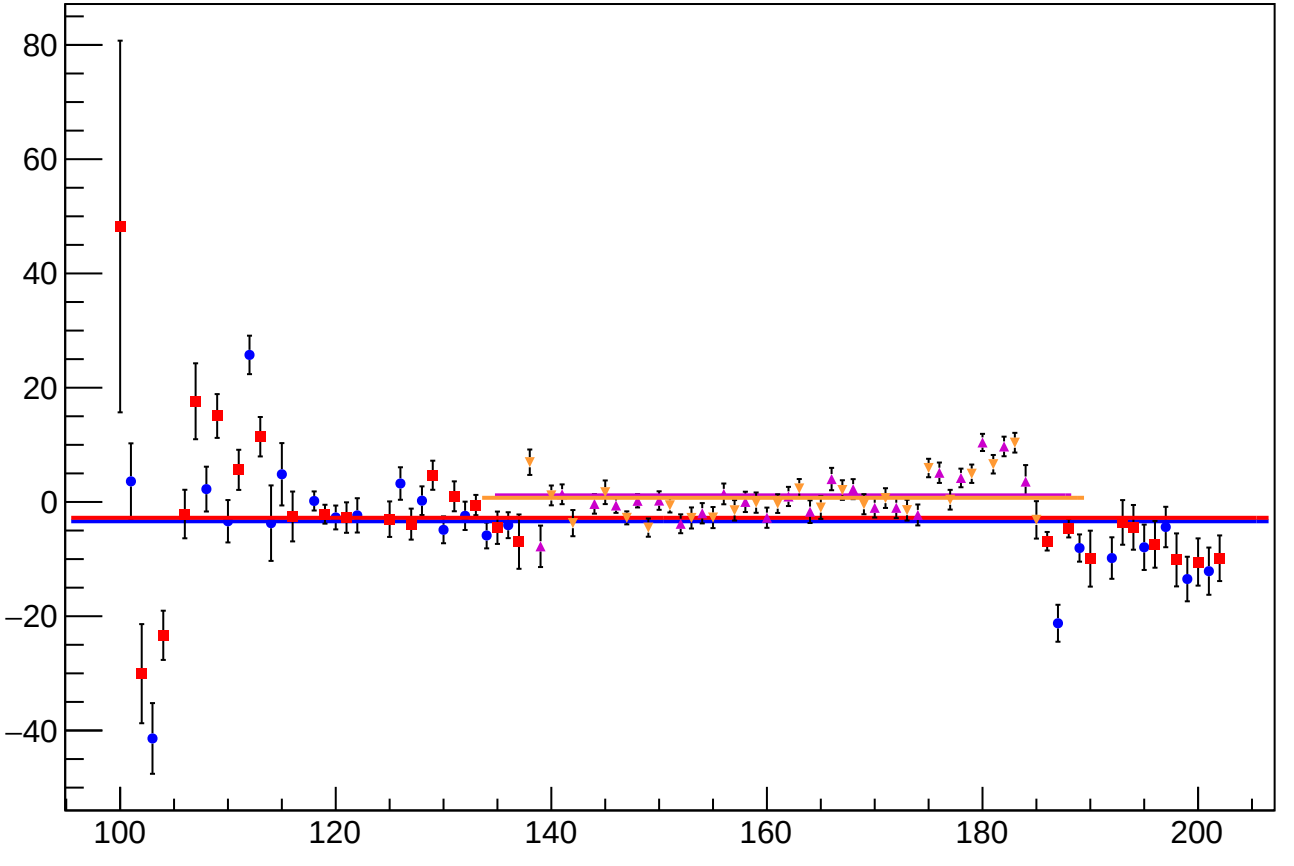
Right: 40.883+/-0.381 χ^2/NDF: 11710.6/49

In: 19.907+/-0.361 χ^2/NDF:5251.6/45

Out: 25.137+/-0.339 χ^2/NDF:10866.3/50

All: 22.688+/-0.247 χ^2/NDF: 16229.4/96

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.380+/-0.613 χ^2/NDF: 182.0/22

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.770+/-0.565 χ^2/NDF: 123.0/26

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

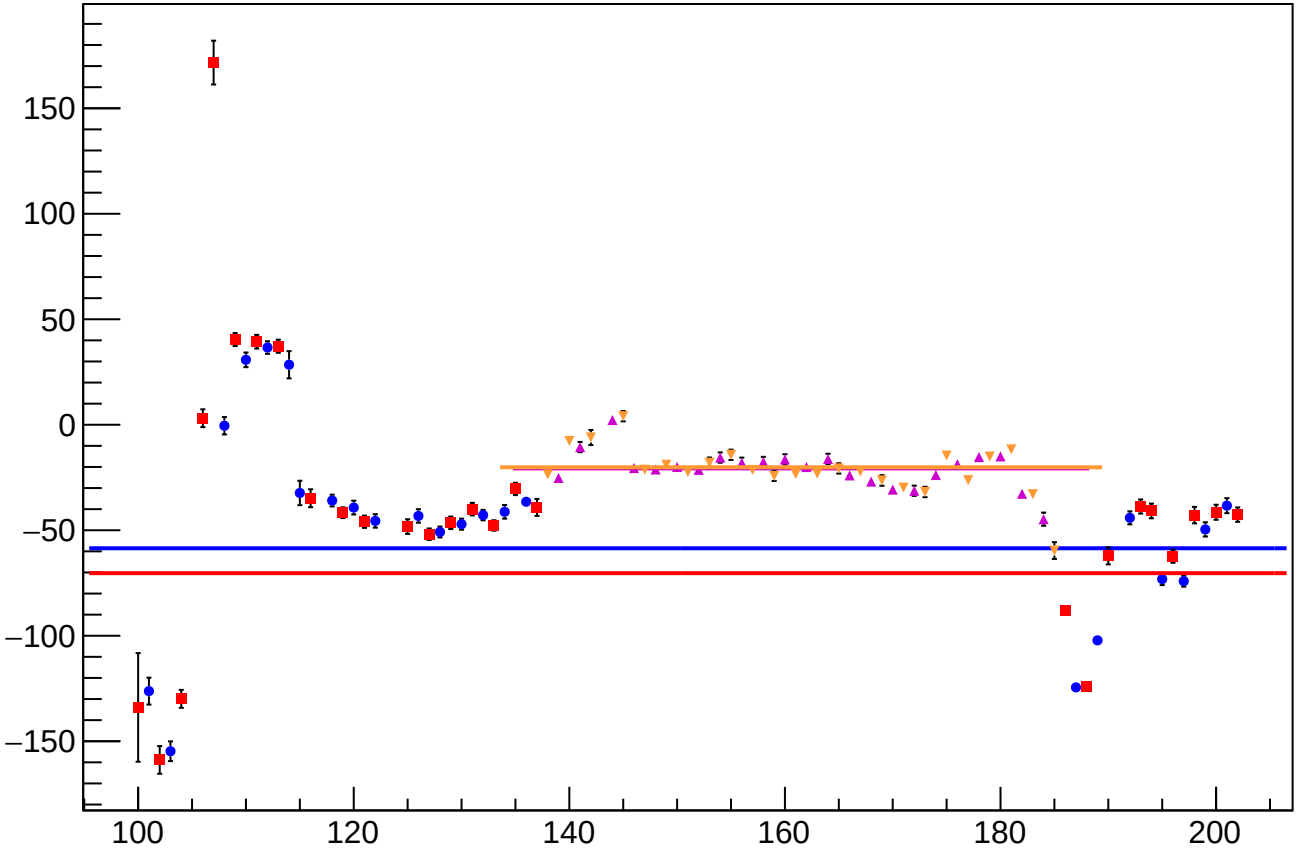
Right: -3.050+/-0.416 χ^2/NDF: 305.6/49

In: 0.005+/-0.309 χ^2/NDF:333.4/45

Out: -0.237+/-0.297 χ^2/NDF:260.4/50

All: -0.121+/-0.214 χ^2/NDF: 594.1/96

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.537+/-0.592 χ^2/NDF: 5343.1/22

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.334+/-0.490 χ^2/NDF: 9644.0/26

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

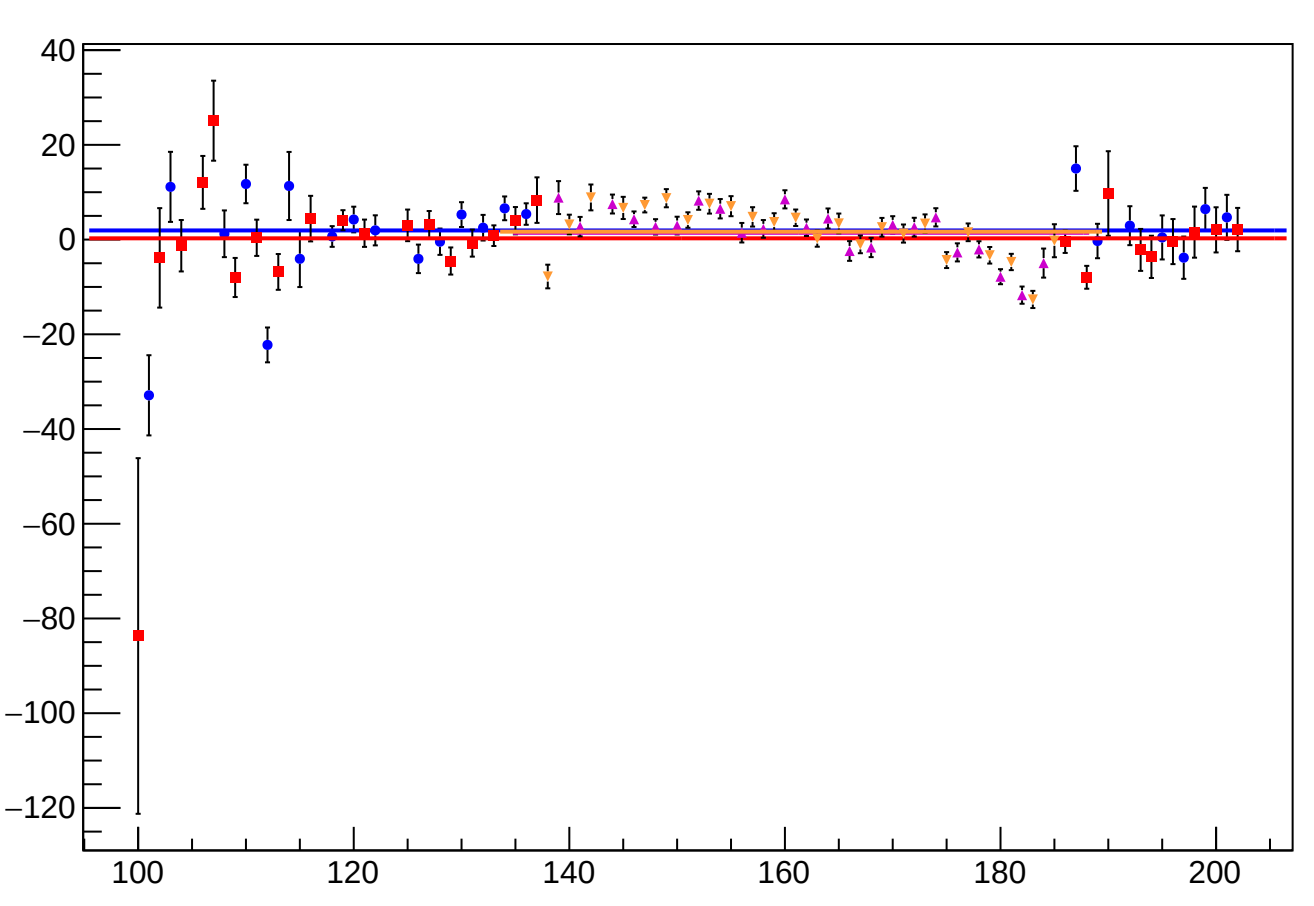
Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

Right: -65.542+/-0.377 χ^2/NDF: 15222.8/49

In: -34.838+/-0.362 χ^2/NDF:8212.1/45

Out: -43.258+/-0.332 χ^2/NDF:15729.2/50

All: -39.408+/-0.245 χ^2/NDF: 24234.7/96



Right In: 1.929+/-0.717 χ^2/NDF: 94.7/22

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.262+/-0.685 χ^2/NDF: 53.4/26

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

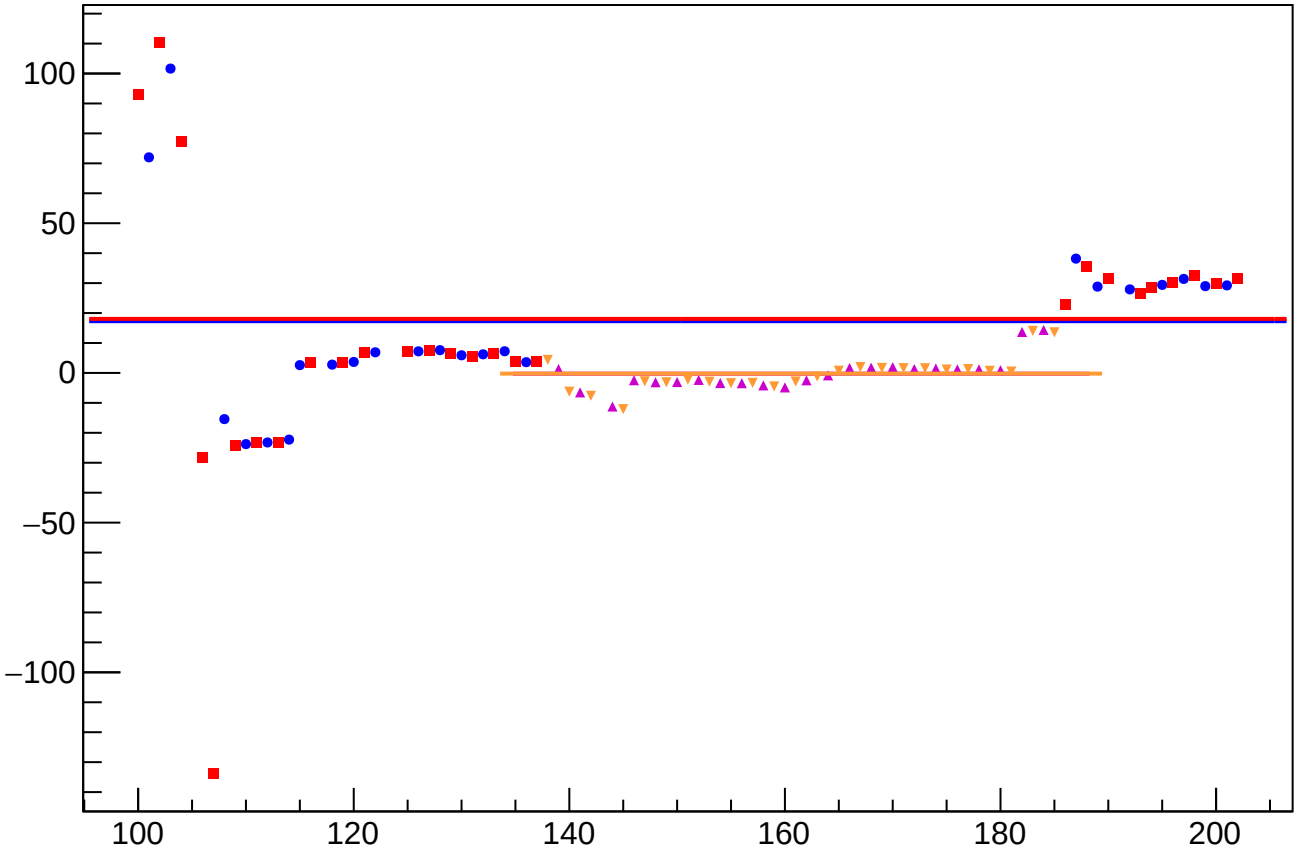
Right: 1.057+/-0.495 χ^2/NDF: 150.9/49

In: 1.548+/-0.351 χ^2/NDF:257.9/45

Out: 1.319+/-0.342 χ^2/NDF:234.6/50

All: 1.431+/-0.245 χ^2/NDF: 492.6/96

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 17.282+/-0.037 χ^2/NDF: 398660.8/22

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 18.048+/-0.036 χ^2/NDF: 579278.5/26

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

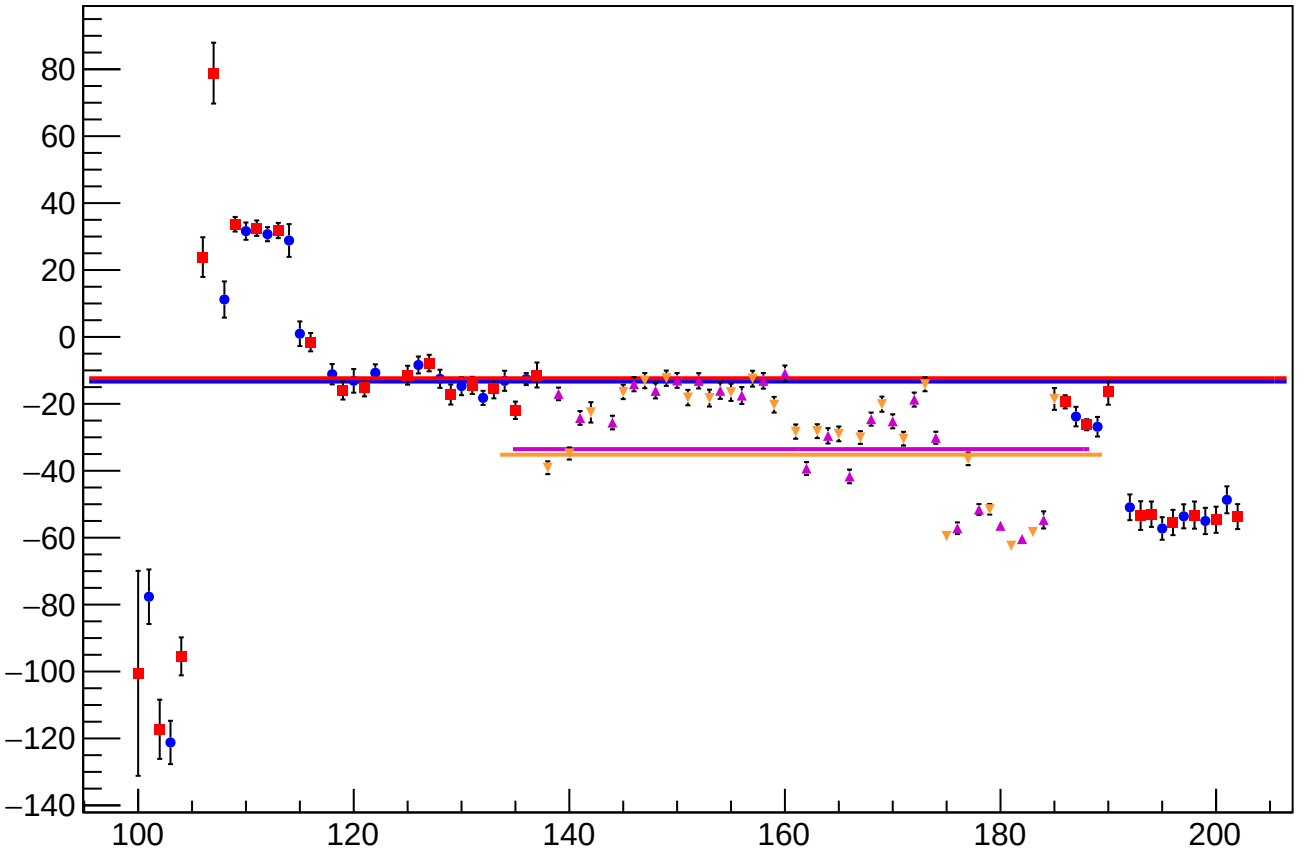
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 17.677+/-0.026 χ^2/NDF: 978164.3/49

In: 3.058+/-0.016 χ^2/NDF:657118.6/45

Out: 3.385+/-0.016 χ^2/NDF:872585.3/50

All: 3.223+/-0.011 χ^2/NDF: 1529915.0/96



Right In: -13.334+/-0.624 χ^2/NDF: 1808.8/22

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -12.351+/-0.572 χ^2/NDF: 2497.7/26

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

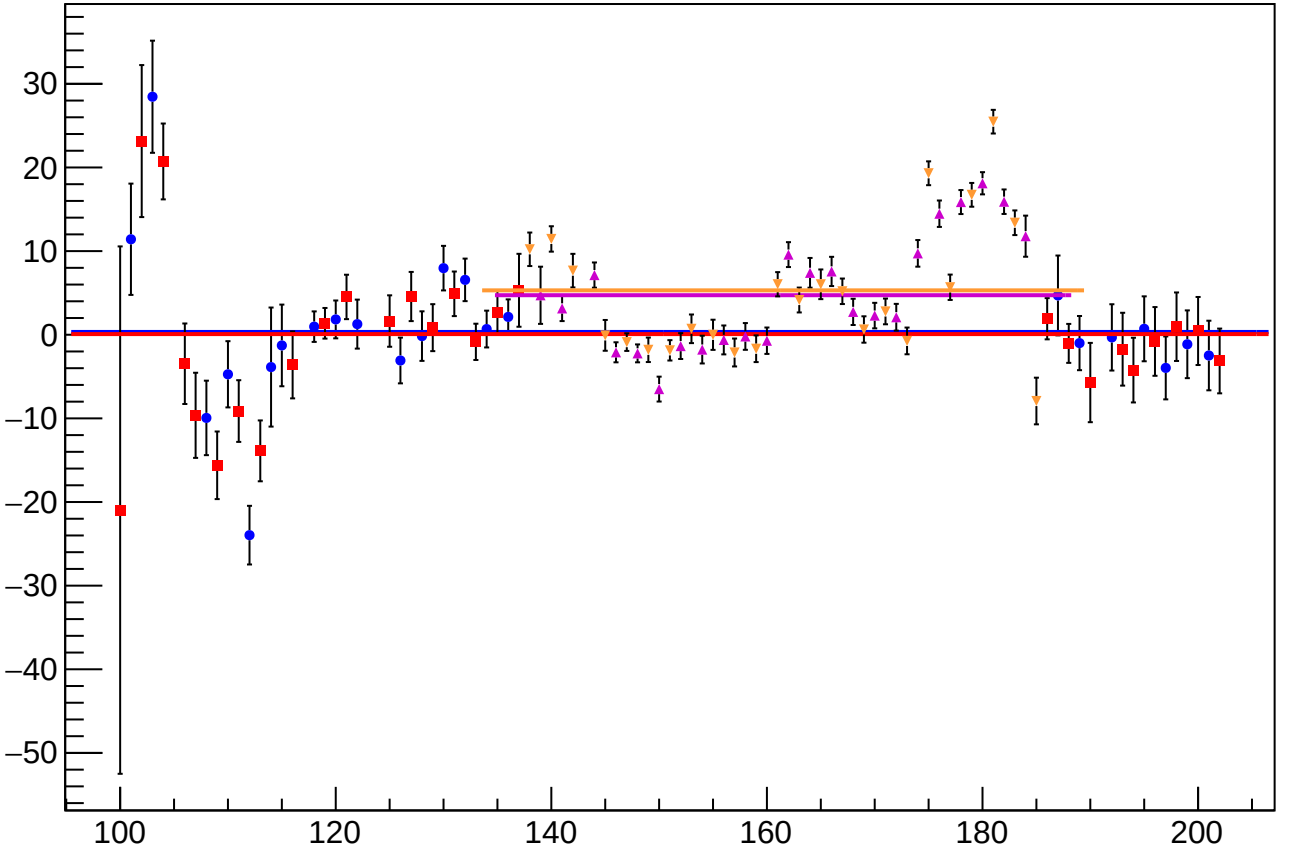
Right: -12.800+/-0.422 χ^2/NDF: 4307.8/49

In: -27.364+/-0.345 χ^2/NDF:4342.3/45

Out: -27.490+/-0.332 χ^2/NDF:5406.1/50

All: -27.429+/-0.239 χ^2/NDF: 9748.5/96

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.334+/-0.652 χ^2/NDF: 95.9/22

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: 0.078+/-0.631 χ^2/NDF: 84.9/26

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

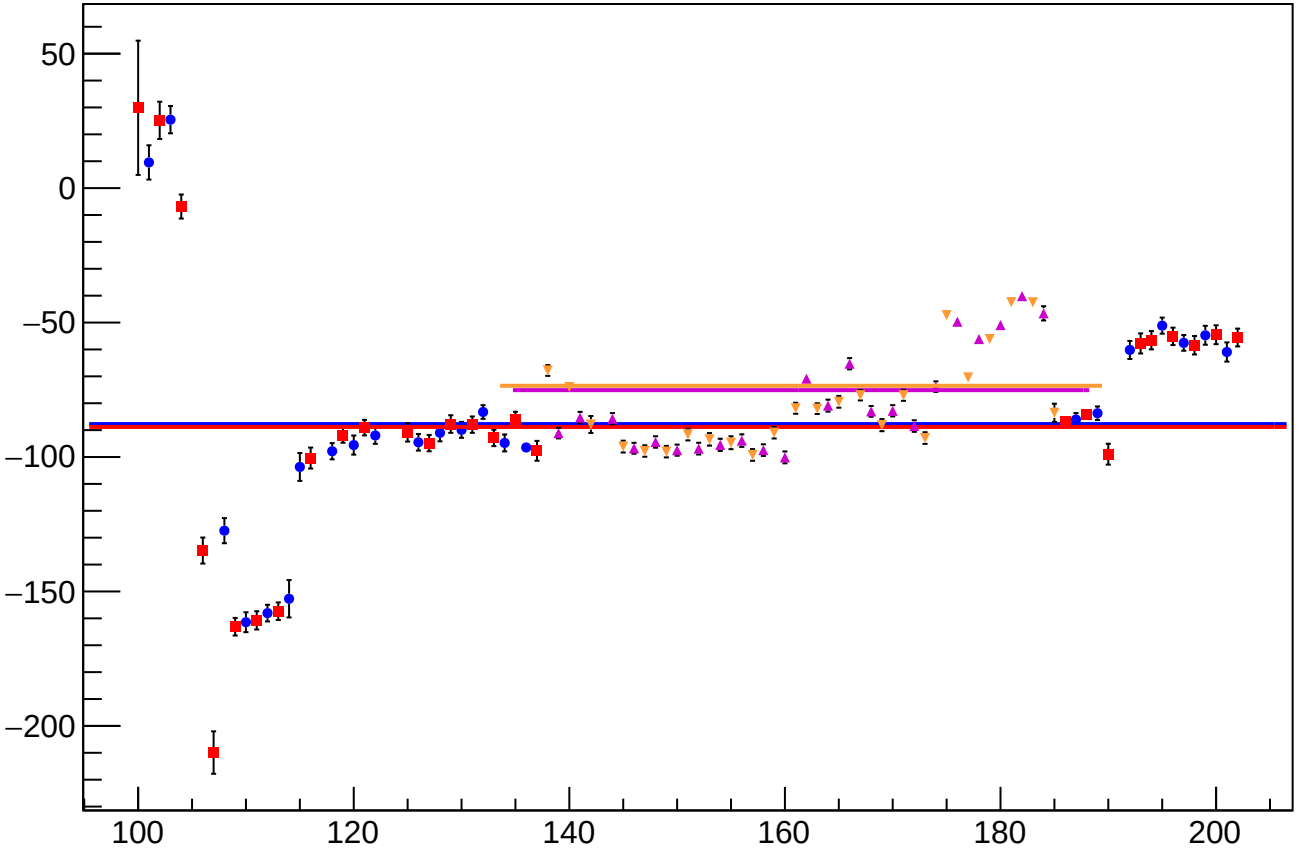
Right: 0.201+/-0.453 χ^2/NDF: 181.0/49

In: 3.870+/-0.288 χ^2/NDF:628.4/45

Out: 4.263+/-0.282 χ^2/NDF:764.3/50

All: 4.071+/-0.201 χ^2/NDF: 1393.7/96

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -87.758+/-0.656 χ^2/NDF: 2335.3/22

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -88.812+/-0.581 χ^2/NDF: 2940.8/26

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

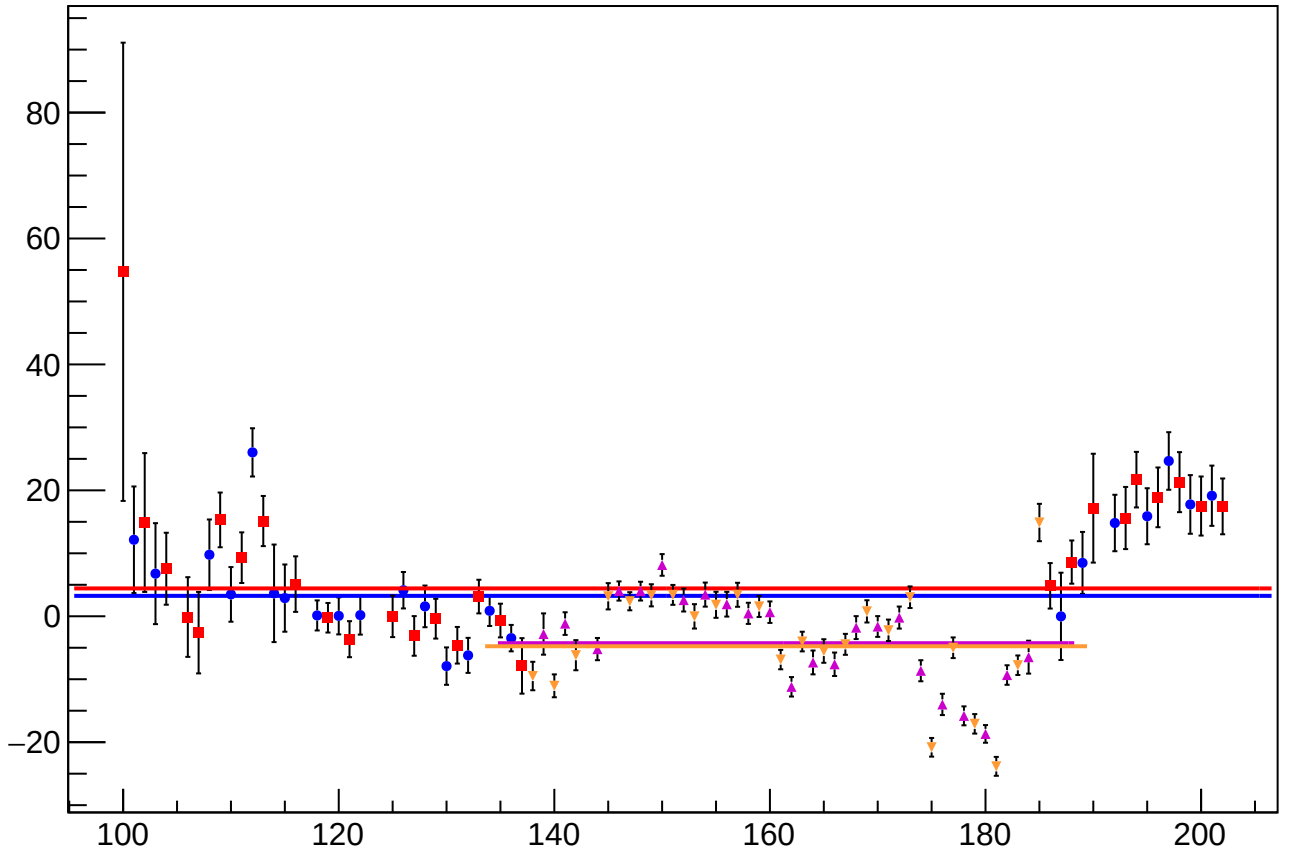
Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

Right: -88.349+/-0.435 χ^2/NDF: 5277.5/49

In: -78.676+/-0.348 χ^2/NDF:4963.3/45

Out: -78.518+/-0.332 χ^2/NDF:5799.7/50

All: -78.593+/-0.240 χ^2/NDF: 10763.2/96



Right In: 3.242+/-0.749 χ^2/NDF: 137.9/22

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 4.423+/-0.742 χ^2/NDF: 125.2/26

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

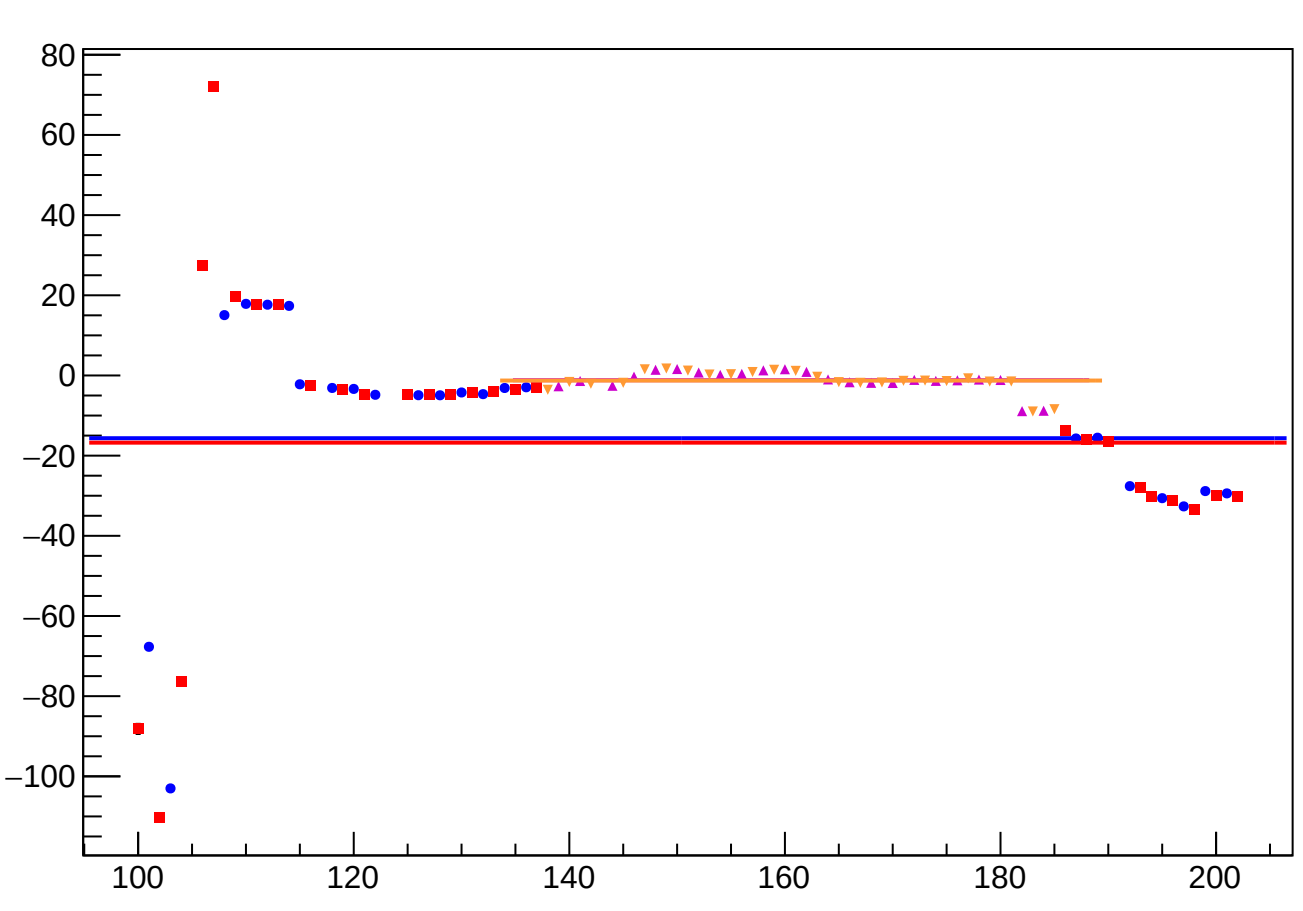
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 3.838+/-0.527 χ^2/NDF: 264.4/49

In: -2.861+/-0.325 χ^2/NDF:643.8/45

Out: -3.054+/-0.320 χ^2/NDF:826.8/50

All: -2.959+/-0.228 χ^2/NDF: 1470.8/96



Right In: -15.653+/-0.037 χ^2/NDF: 350549.0/22

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -16.759+/-0.037 χ^2/NDF: 451001.7/26

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

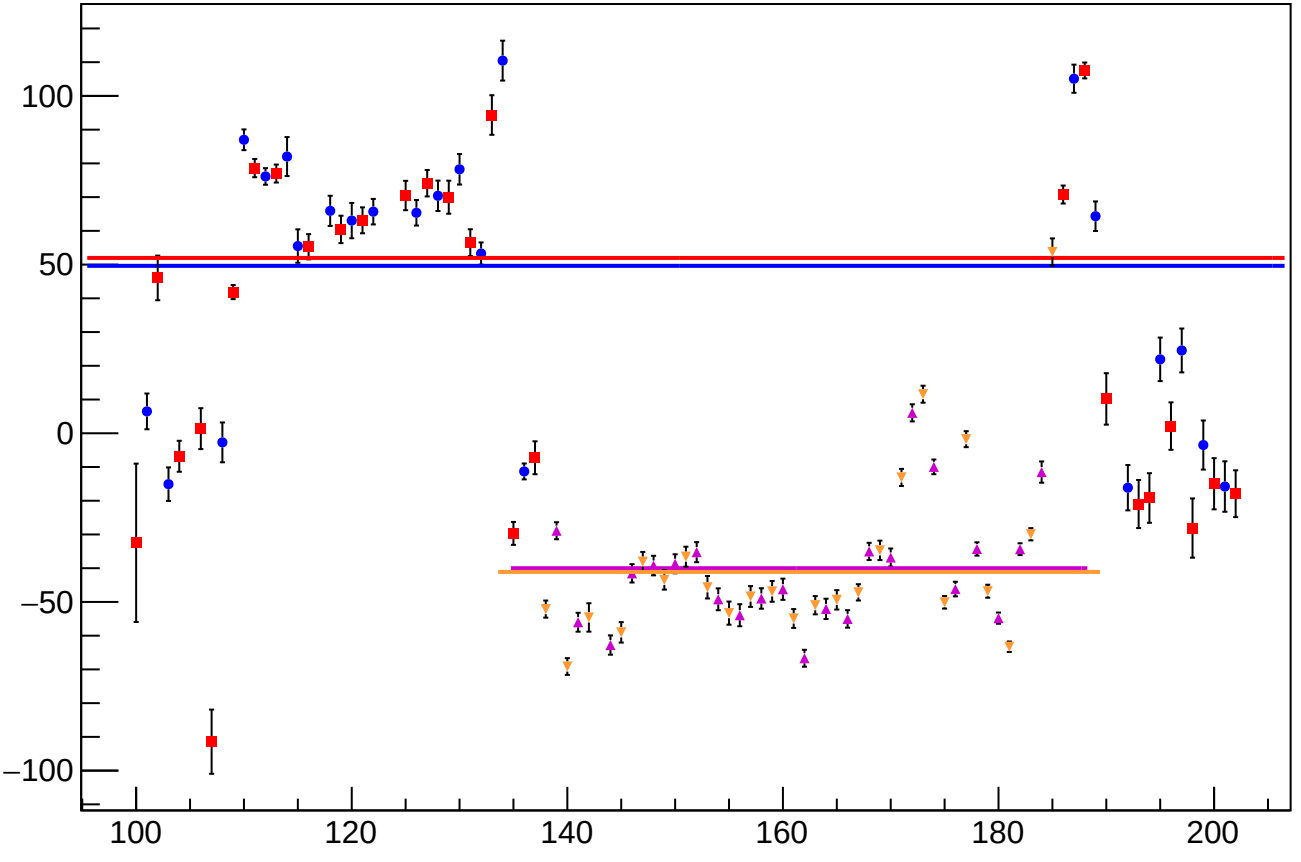
Right: -16.215+/-0.026 χ^2/NDF: 801997.4/49

In: -3.418+/-0.015 χ^2/NDF:502562.3/45

Out: -3.702+/-0.015 χ^2/NDF:626004.3/50

All: -3.561+/-0.010 χ^2/NDF: 1128755.4/96

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 49.631+/-0.881 χ^2/NDF: 1951.4/22

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.977+/-0.780 χ^2/NDF: 2685.7/26

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

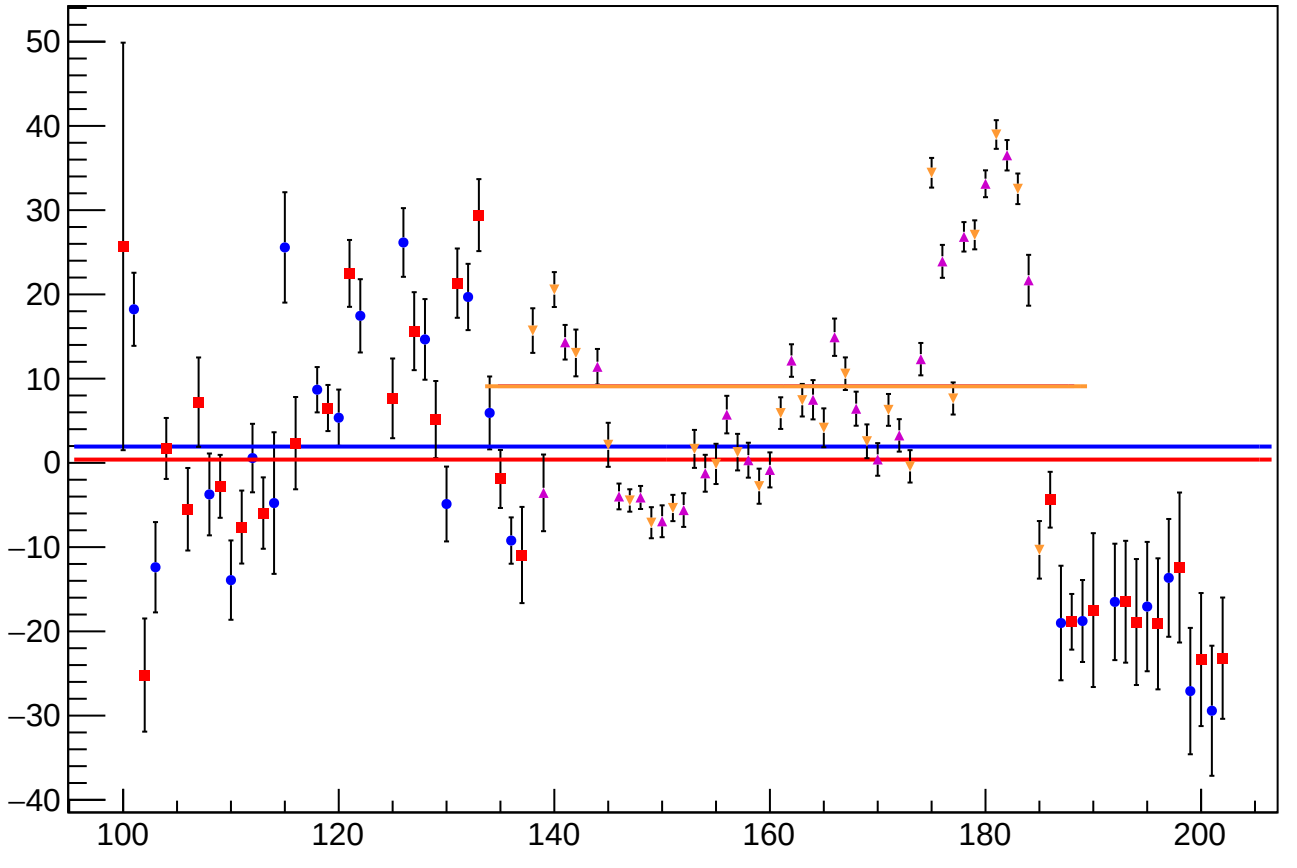
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 50.946+/-0.584 χ^2/NDF: 4641.1/49

In: -16.548+/-0.450 χ^2/NDF:10630.6/45

Out: -12.648+/-0.431 χ^2/NDF:14526.4/50

All: -14.512+/-0.311 χ^2/NDF: 25196.1/96



Right In: 1.937+/-0.947 χ^2/NDF: 227.5/22

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 0.392+/-0.893 χ^2/NDF: 232.1/26

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

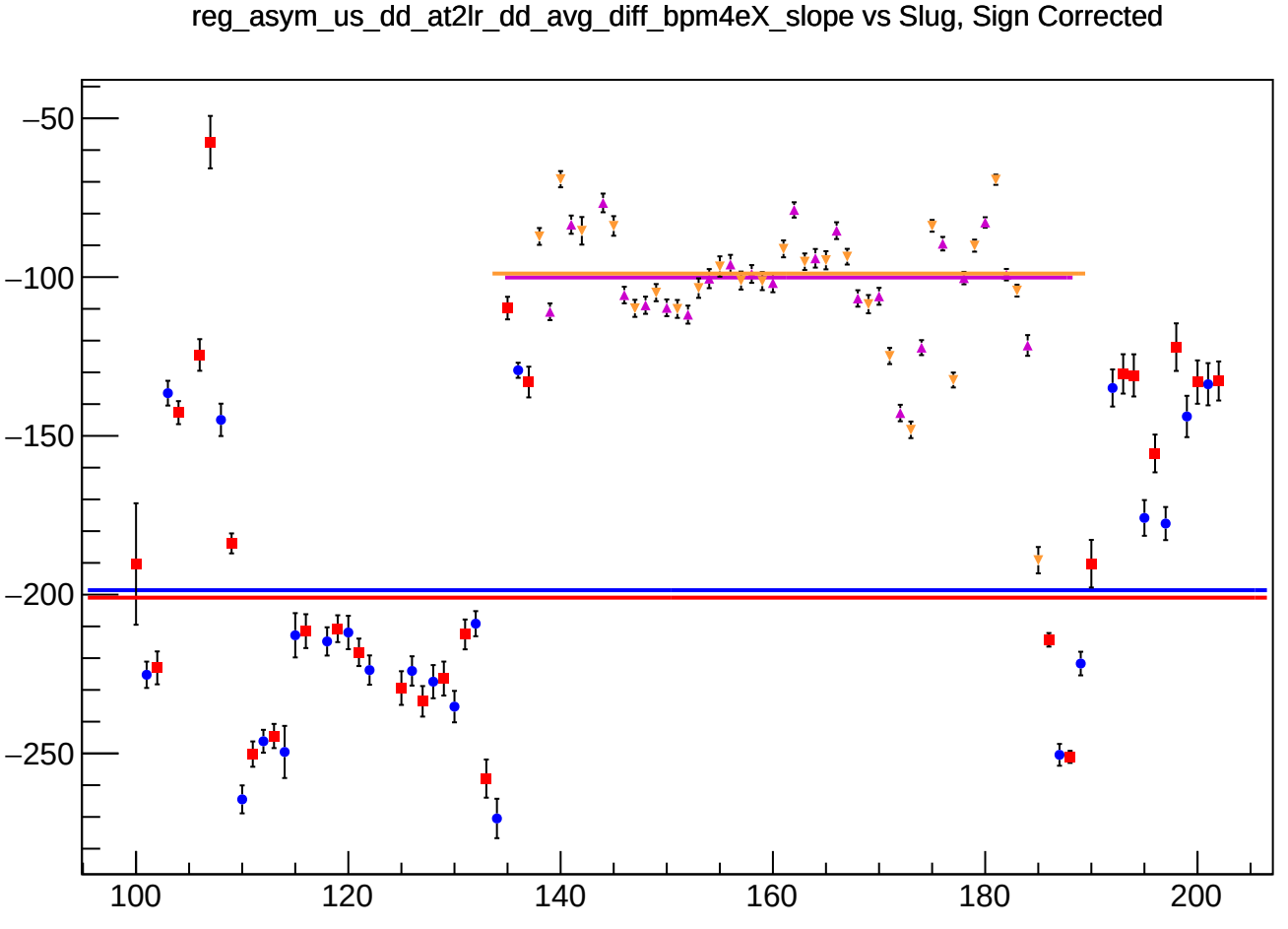
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 1.120+/-0.650 χ^2/NDF: 461.0/49

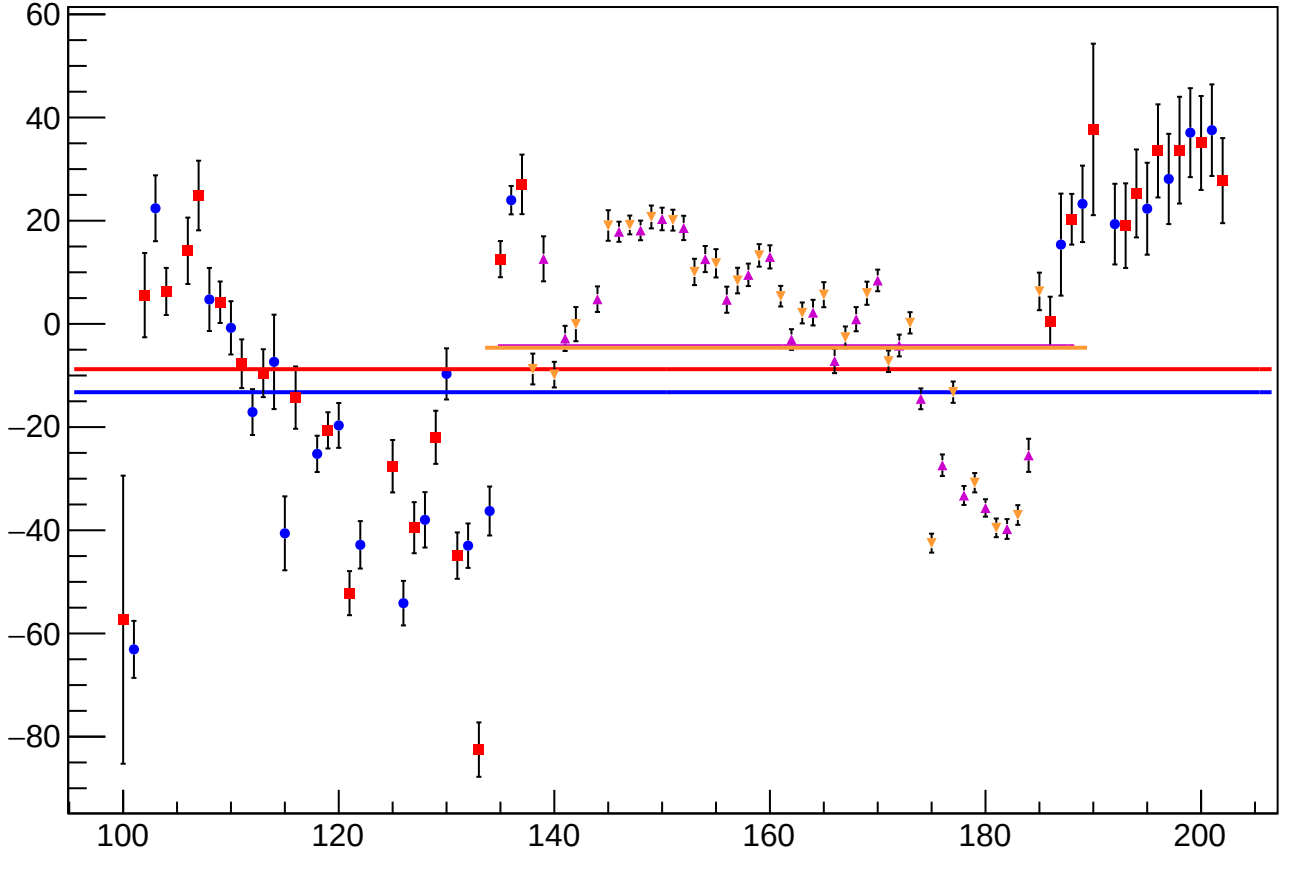
In: 7.992+/-0.375 χ^2/NDF:1327.8/45

Out: 7.634+/-0.366 χ^2/NDF:1564.7/50

All: 7.808+/-0.262 χ^2/NDF: 2893.0/96


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -198.596+/-0.931 χ²/NDF: 2587.1/22
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -200.941+/-0.812 χ²/NDF: 3573.1/26
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -199.927+/-0.612 χ²/NDF: 6163.8/49
In: -123.543+/-0.454 χ²/NDF:11934.7/45
Out: -128.079+/-0.434 χ²/NDF:16669.6/50
All: -125.911+/-0.314 χ²/NDF: 28656.4/96

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -13.240+/-1.091 χ^2/NDF: 718.4/22

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -8.777+/-1.051 χ^2/NDF: 730.8/26

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

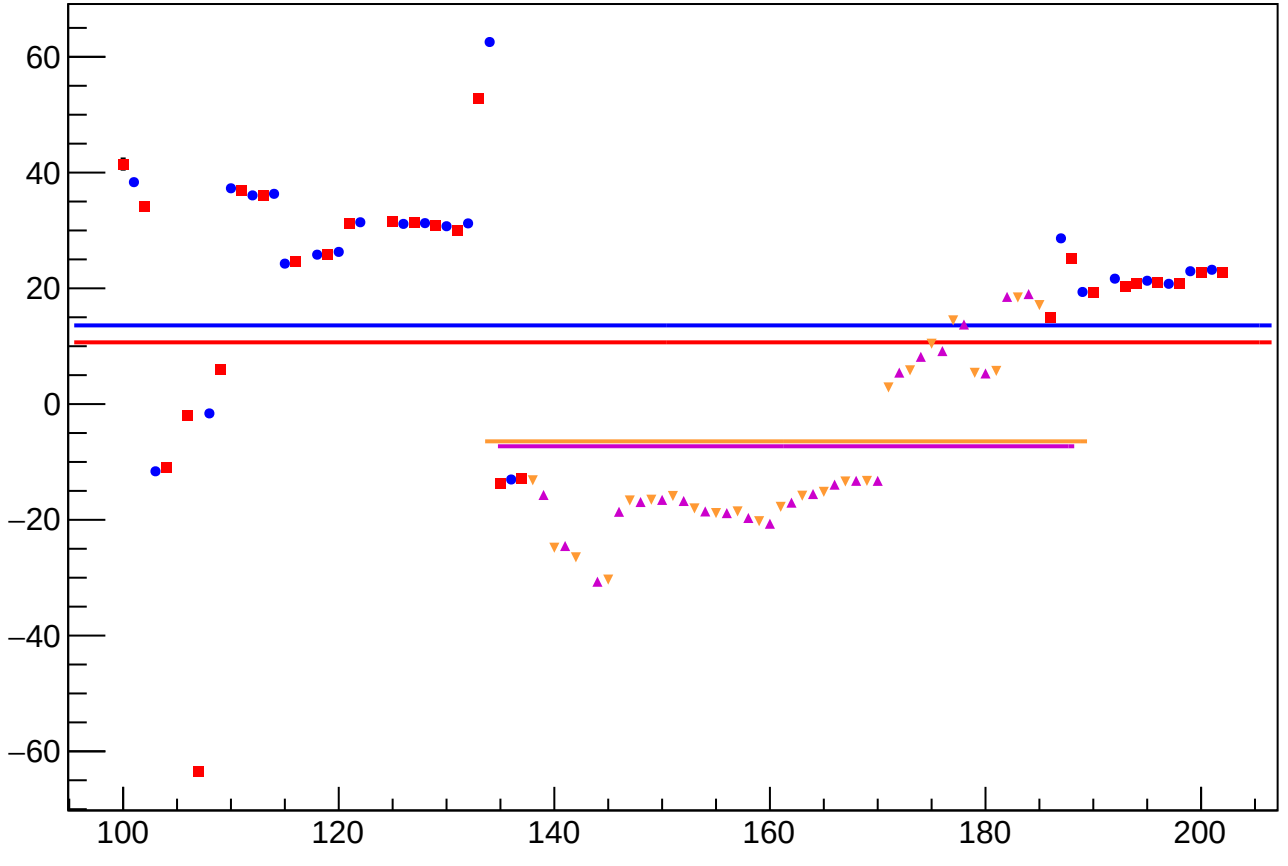
Right: -10.926+/-0.757 χ^2/NDF: 1457.8/49

In: -5.668+/-0.423 χ^2/NDF:2629.2/45

Out: -5.266+/-0.415 χ^2/NDF:2822.3/50

All: -5.463+/-0.296 χ^2/NDF: 5452.0/96

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.595+/-0.054 χ^2/NDF: 173414.8/22

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 10.668+/-0.052 χ^2/NDF: 175556.0/26

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

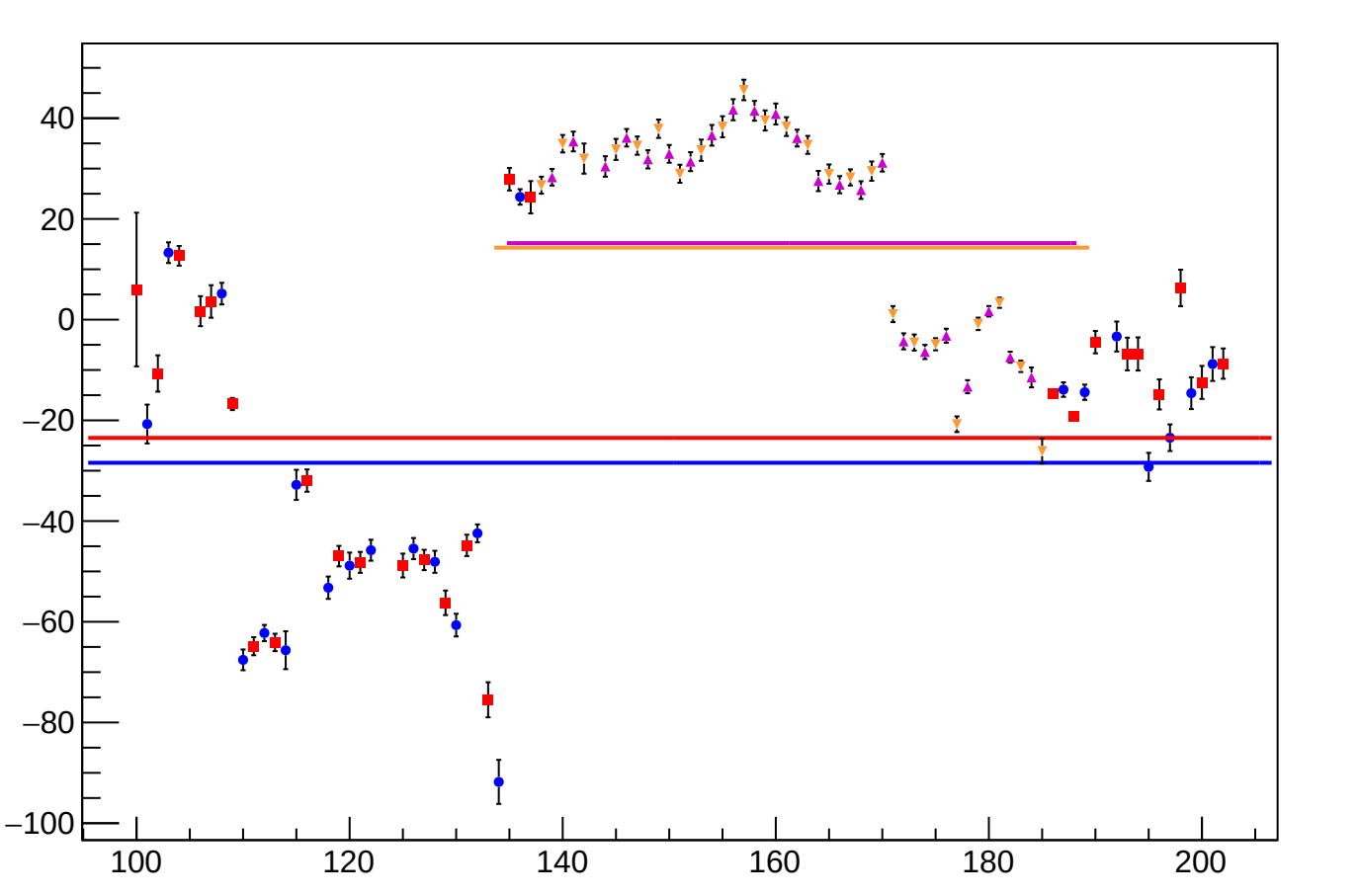
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 12.082+/-0.038 χ^2/NDF: 350473.6/49

In: -4.729+/-0.019 χ^2/NDF:791551.0/45

Out: -4.231+/-0.019 χ^2/NDF:764807.9/50

All: -4.478+/-0.013 χ^2/NDF: 1556705.2/96



Right In: -28.425+/-0.455 χ^2/NDF: 3930.6/22

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.483+/-0.376 χ^2/NDF: 3773.3/26

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

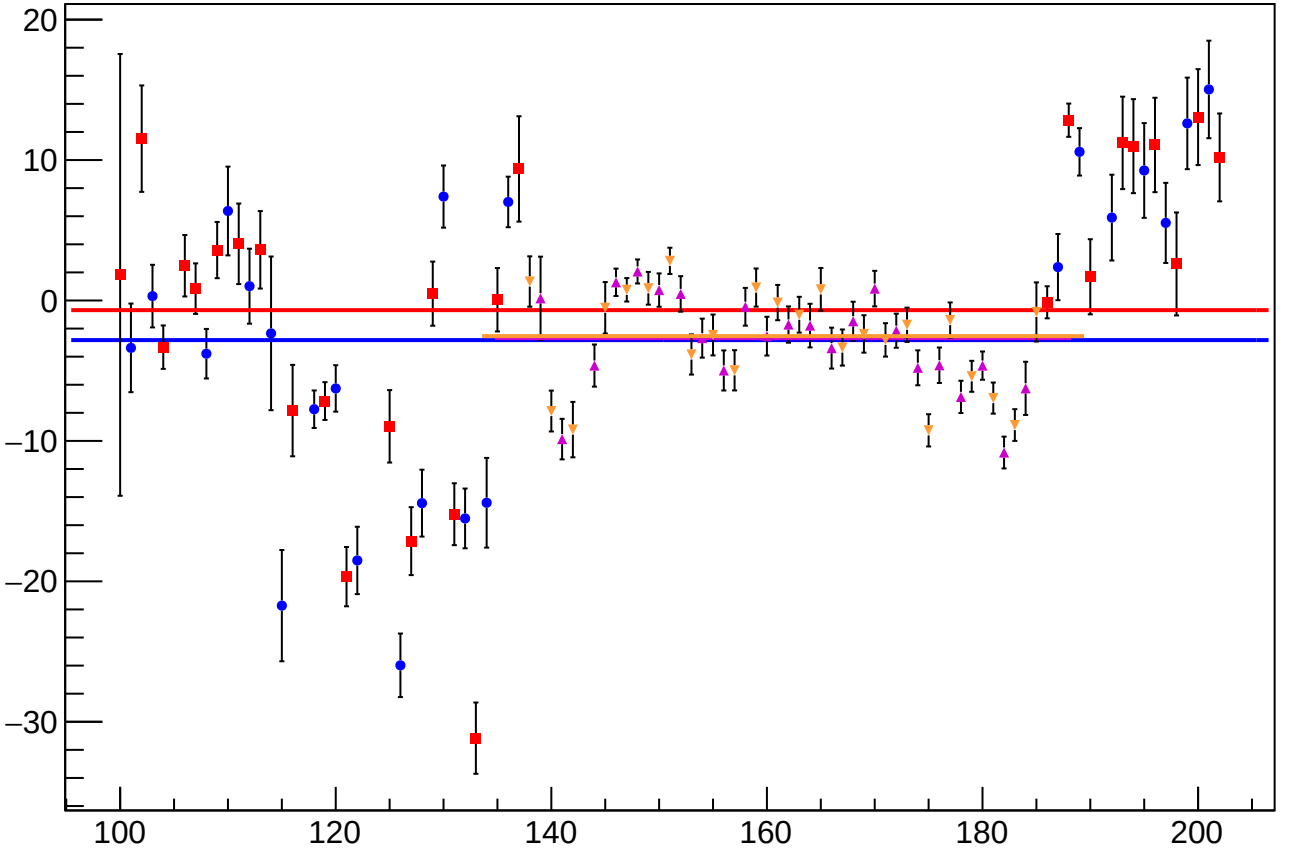
Right: -25.484+/-0.290 χ^2/NDF: 7773.9/49

In: -0.380+/-0.272 χ^2/NDF:13233.8/45

Out: -2.445+/-0.250 χ^2/NDF:13127.7/50

All: -1.499+/-0.184 χ^2/NDF: 26392.8/96

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.821+/-0.483 χ^2/NDF: 471.1/22

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.688+/-0.420 χ^2/NDF: 584.5/26

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

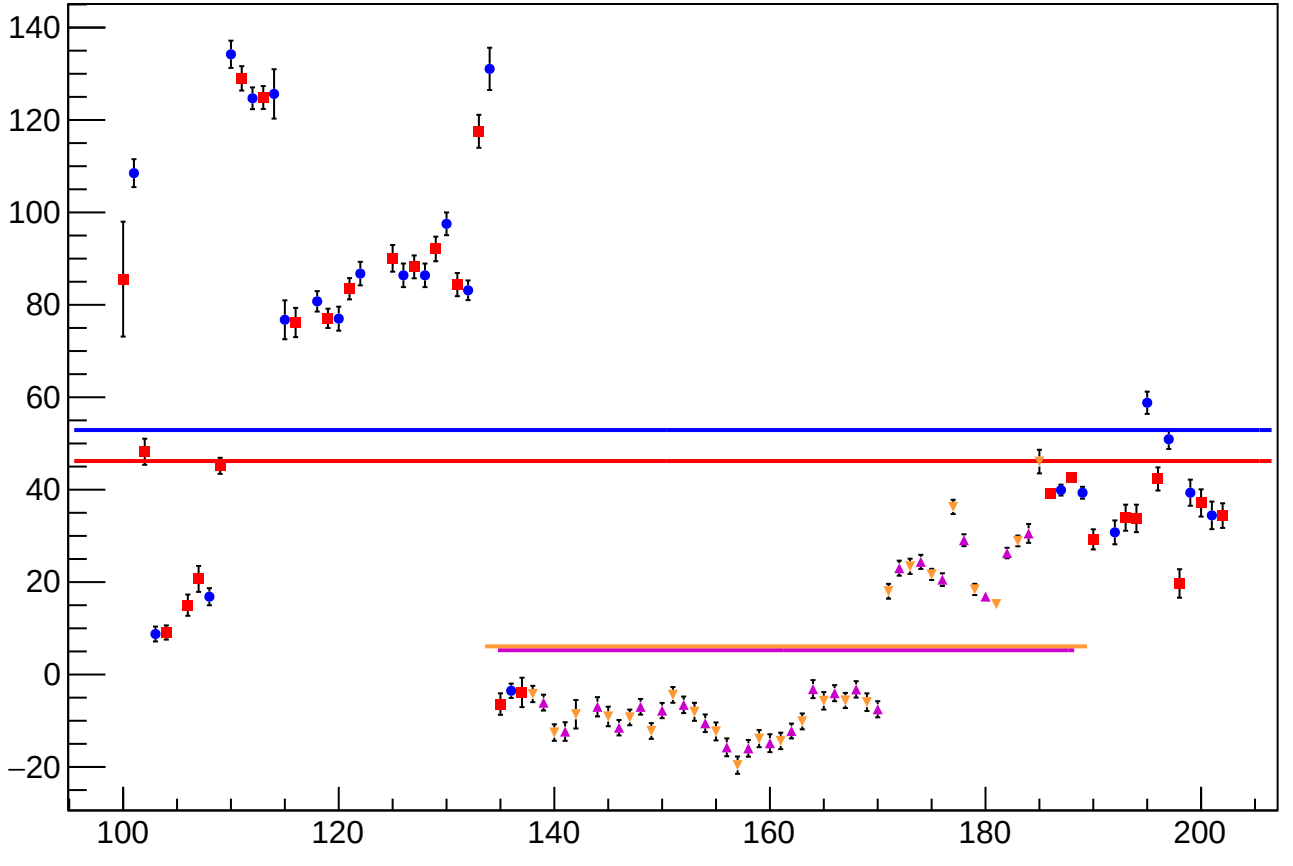
Right: -1.606+/-0.317 χ^2/NDF: 1066.8/49

In: -2.713+/-0.232 χ^2/NDF:653.2/45

Out: -2.028+/-0.220 χ^2/NDF:796.9/50

All: -2.353+/-0.160 χ^2/NDF: 1454.8/96

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 52.902+/-0.450 χ^2/NDF: 6643.5/22

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.202+/-0.356 χ^2/NDF: 5946.2/26

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

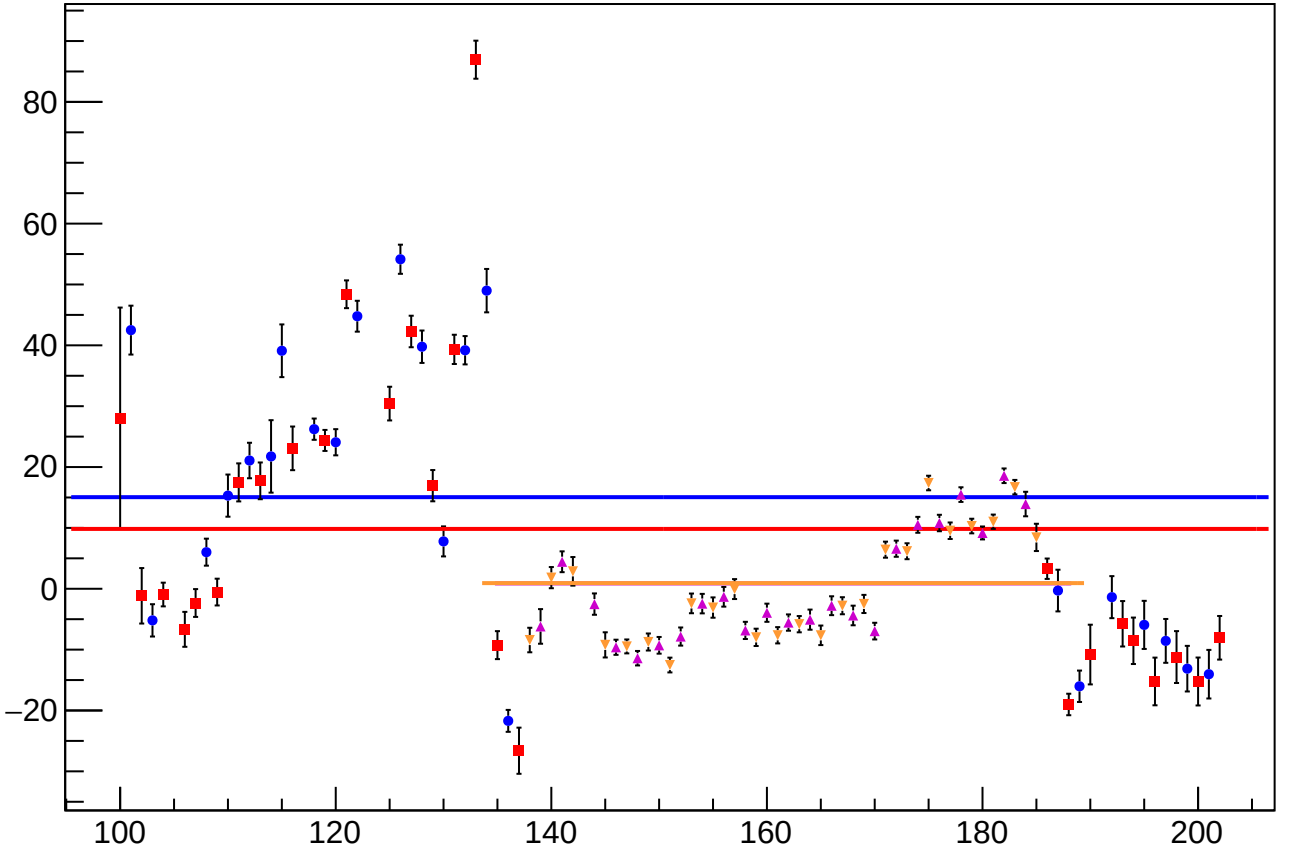
Right: 48.781+/-0.279 χ^2/NDF: 12725.9/49

In: 22.346+/-0.270 χ^2/NDF:16277.1/45

Out: 24.795+/-0.243 χ^2/NDF:15489.0/50

All: 23.696+/-0.181 χ^2/NDF: 31811.6/96

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 15.052+/-0.574 χ^2/NDF: 1698.3/22

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 9.833+/-0.517 χ^2/NDF: 2115.5/26

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

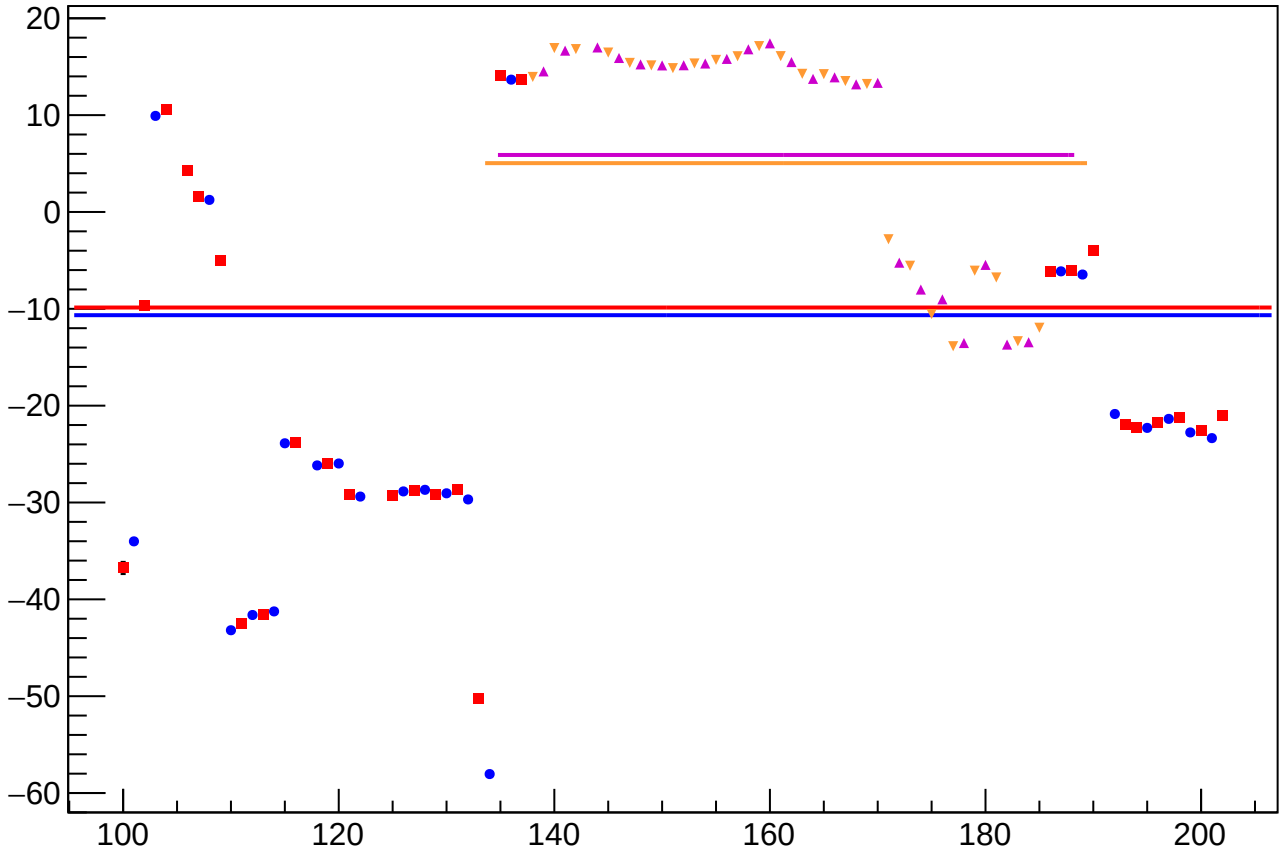
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 12.171+/-0.384 χ^2/NDF: 3859.4/49

In: 3.875+/-0.264 χ^2/NDF:3185.0/45

Out: 3.079+/-0.254 χ^2/NDF:3382.0/50

All: 3.462+/-0.183 χ^2/NDF: 6571.8/96



Right In: -10.658+/-0.027 χ^2/NDF: 480229.7/22

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -9.866+/-0.025 χ^2/NDF: 399781.7/26

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

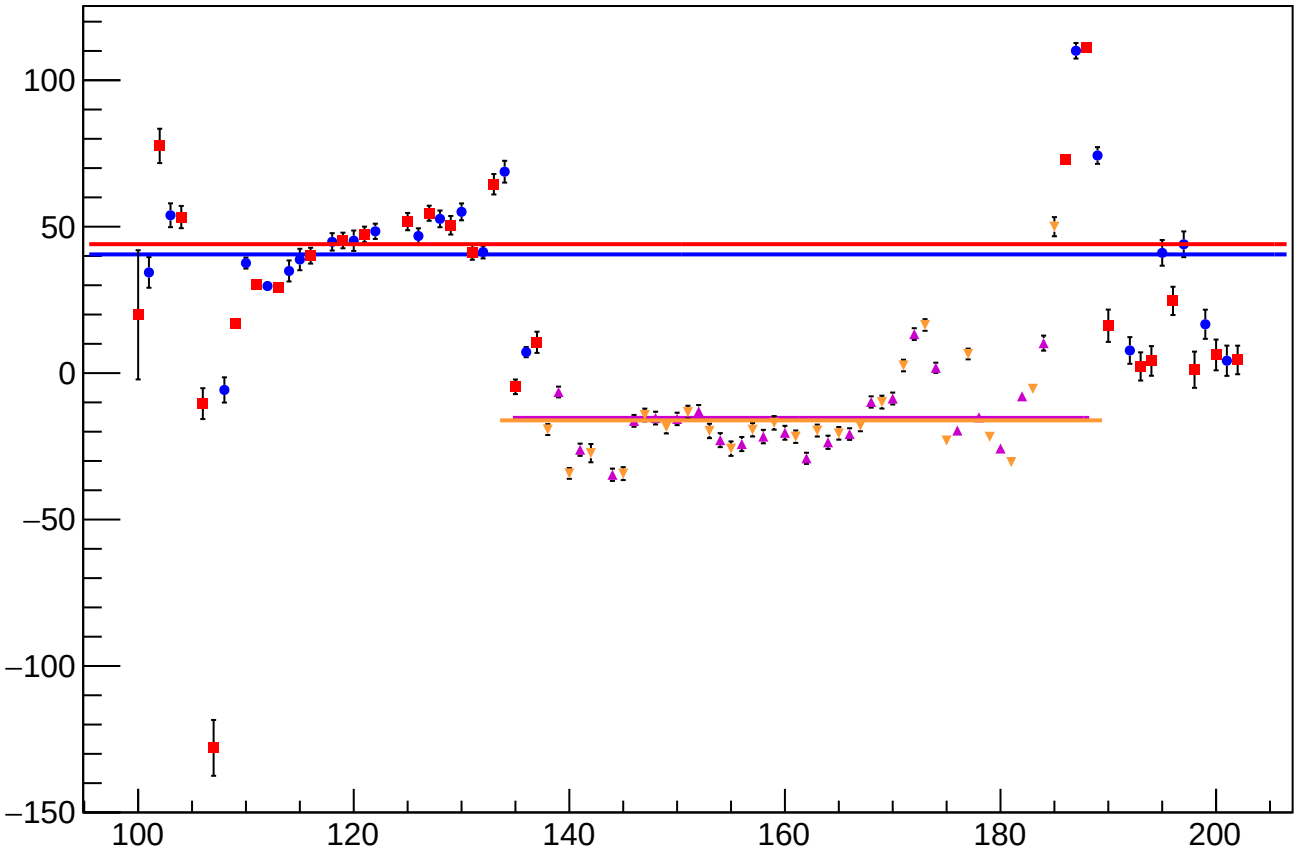
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -10.237+/-0.018 χ^2/NDF: 880472.1/49

In: 2.698+/-0.012 χ^2/NDF:1631710.4/45

Out: 1.889+/-0.012 χ^2/NDF:1530901.6/50

All: 2.286+/-0.008 χ^2/NDF: 3165003.5/96



Right In: 40.529+/-0.596 χ^2/NDF: 1613.4/22

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.024+/-0.530 χ^2/NDF: 4063.5/26

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

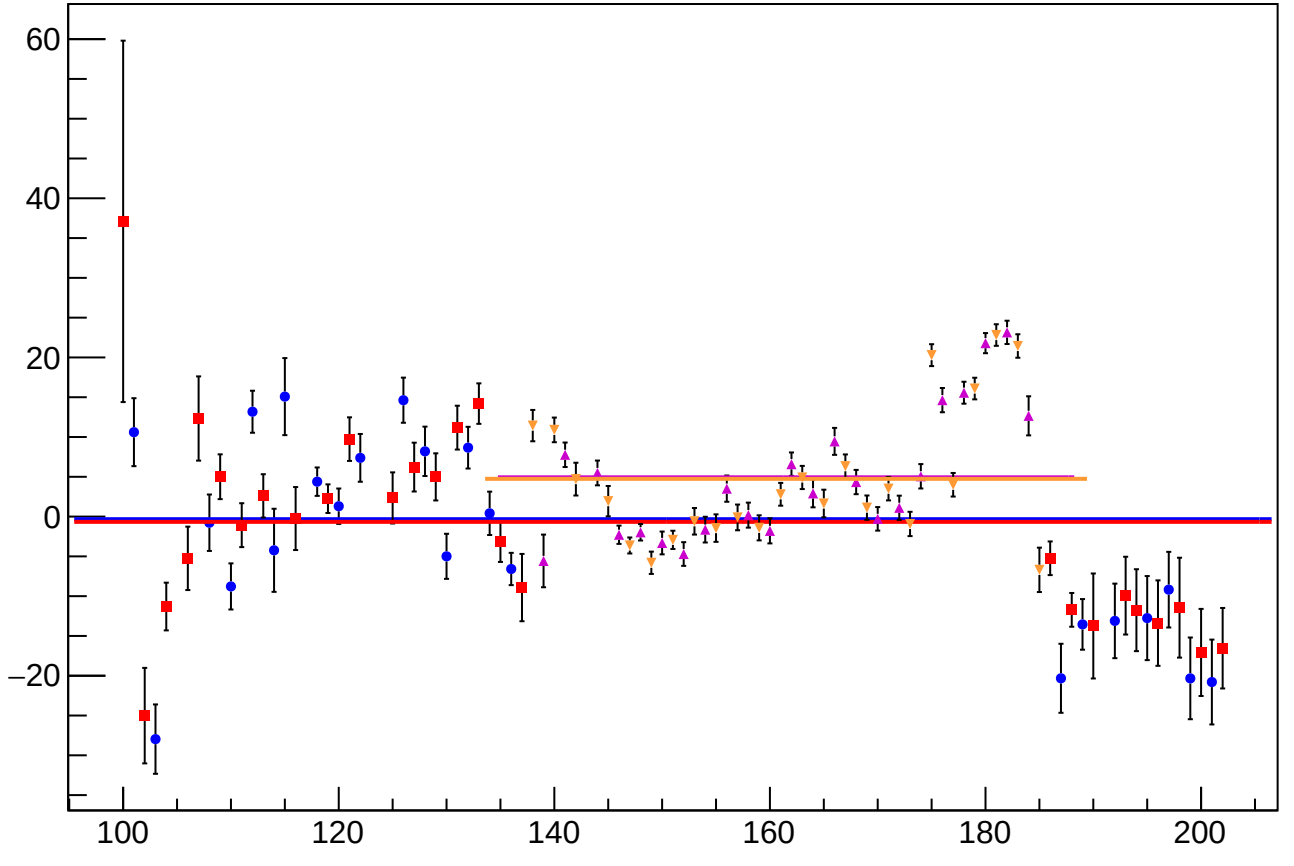
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 42.480+/-0.396 χ^2/NDF: 5696.0/49

In: 2.228+/-0.334 χ^2/NDF:8391.0/45

Out: 5.529+/-0.318 χ^2/NDF:13658.5/50

All: 3.958+/-0.230 χ^2/NDF: 22100.8/96



Right In: -0.327+/-0.648 χ^2/NDF: 250.6/22

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -0.660+/-0.616 χ^2/NDF: 200.1/26

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

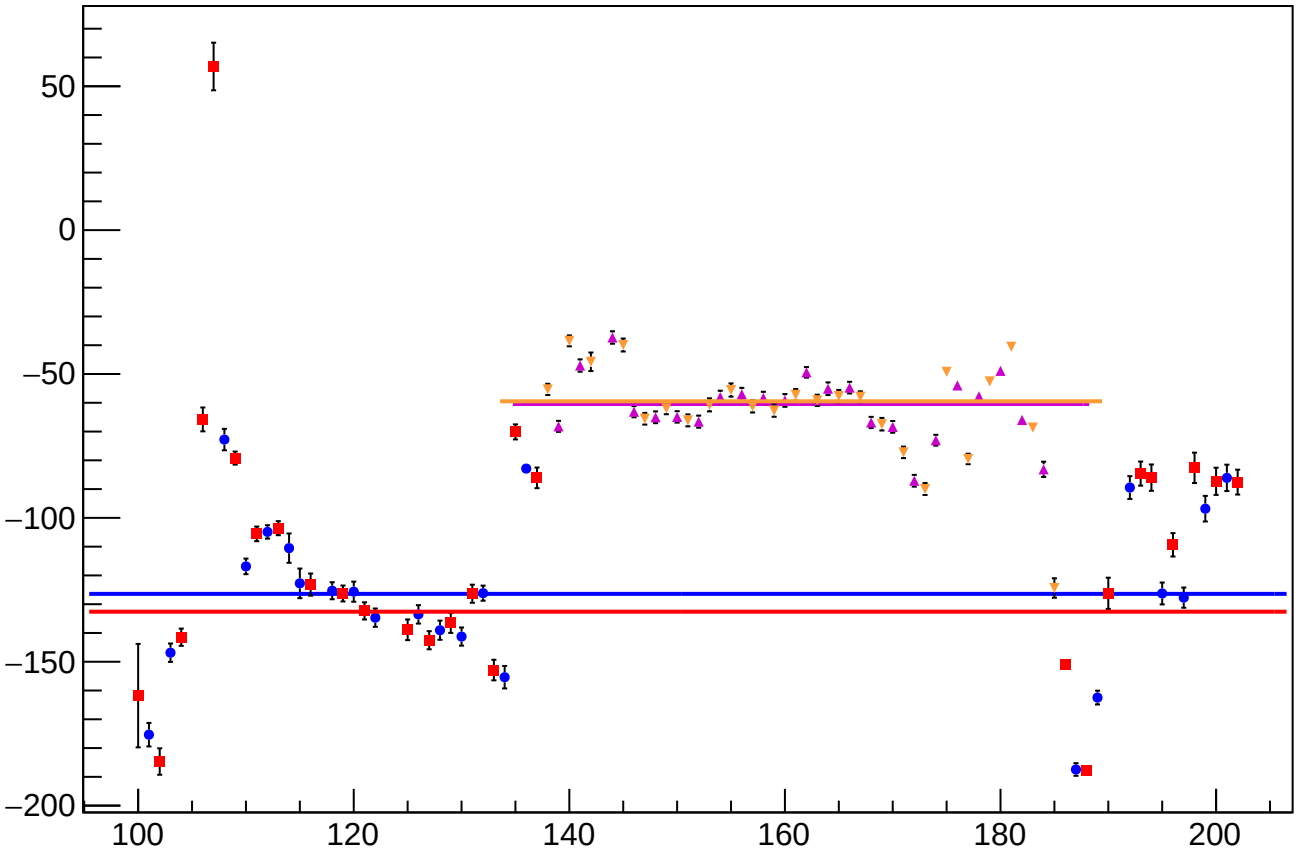
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -0.502+/-0.446 χ^2/NDF: 450.8/49

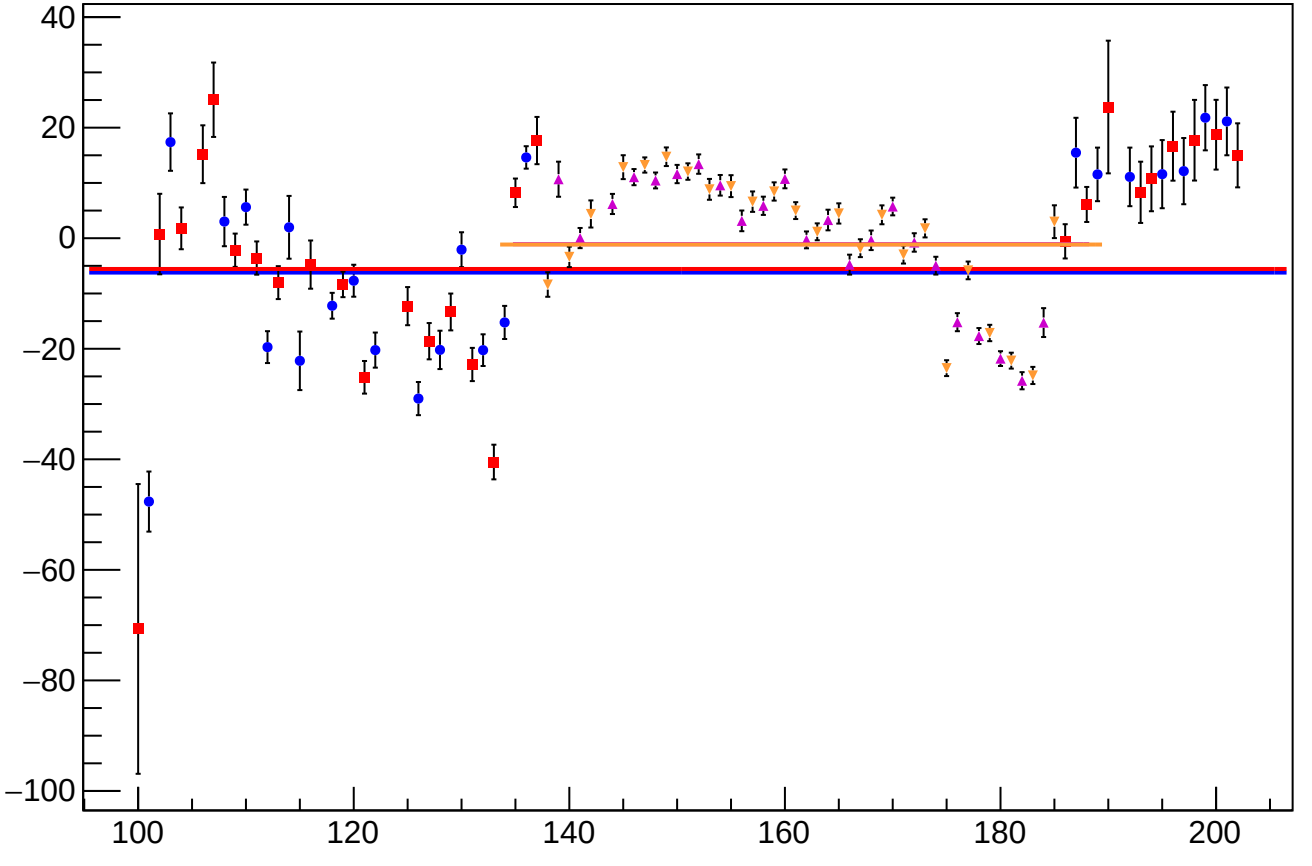
In: 3.939+/-0.282 χ^2/NDF:992.4/45

Out: 3.672+/-0.274 χ^2/NDF:1055.6/50

All: 3.802+/-0.197 χ^2/NDF: 2048.5/96


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -126.410+/-0.640 χ²/NDF: 2432.6/22
Left Out: -59.480+/-0.395 χ²/NDF:1372.3/23
Right Out: -132.606+/-0.553 χ²/NDF: 5315.8/26
Left In: -60.435+/-0.400 χ²/NDF:668.3/22
Left: -59.952+/-0.281 χ²/NDF: 2043.4/46
Right: -129.956+/-0.419 χ²/NDF: 7802.1/49
In: -78.928+/-0.339 χ²/NDF:10745.0/45
Out: -84.153+/-0.321 χ²/NDF:18256.2/50
All: -81.678+/-0.233 χ²/NDF: 29126.4/96

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.217+/-0.747 χ^2/NDF: 466.5/22

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -5.566+/-0.727 χ^2/NDF: 421.8/26

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

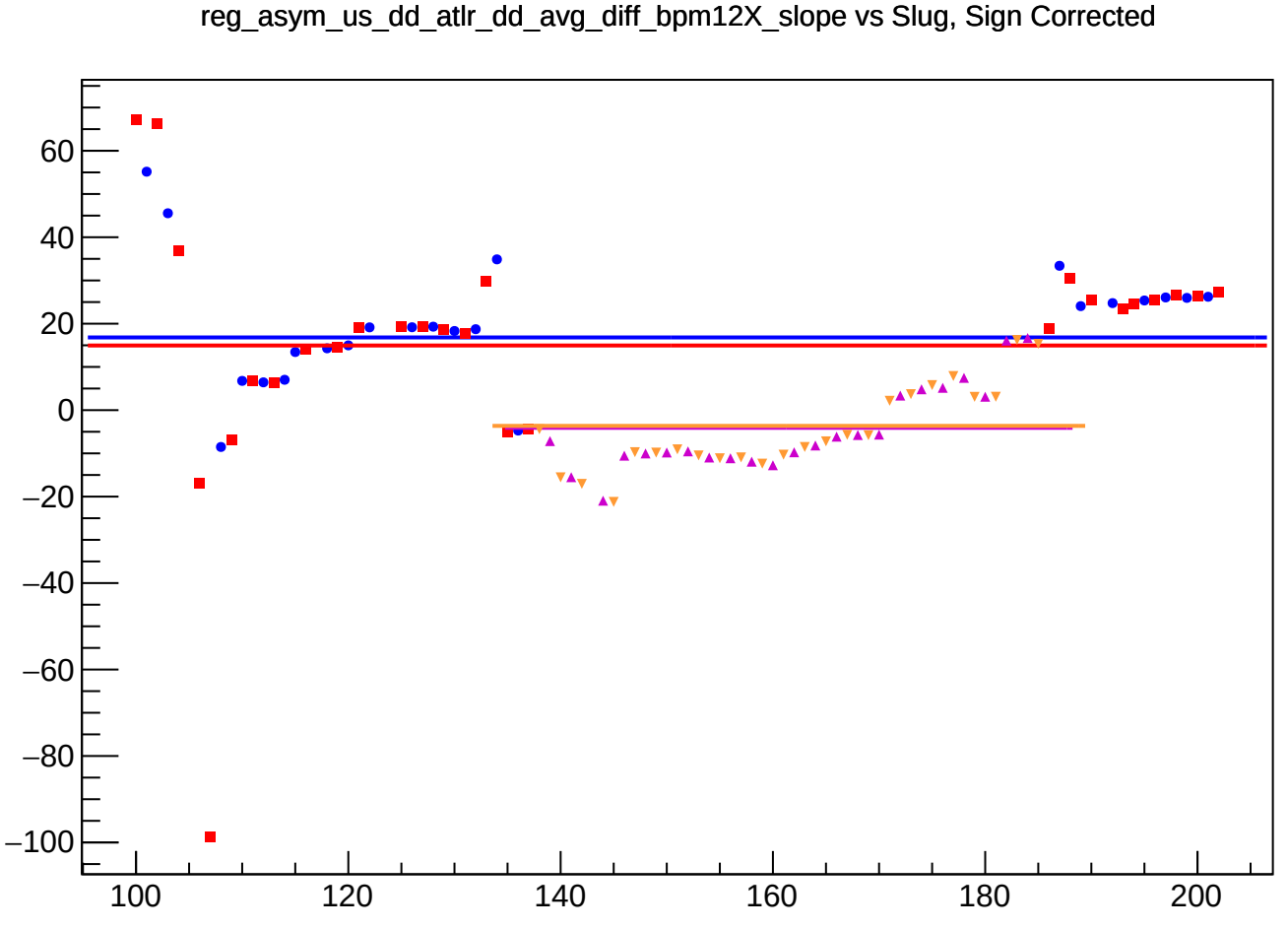
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -5.882+/-0.521 χ^2/NDF: 888.8/49

In: -2.014+/-0.318 χ^2/NDF:1662.6/45

Out: -1.960+/-0.312 χ^2/NDF:1755.0/50

All: -1.987+/-0.223 χ^2/NDF: 3417.6/96



Right In: 16.819+/-0.039 χ^2/NDF: 204894.7/22

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 14.955+/-0.038 χ^2/NDF: 338267.9/26

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

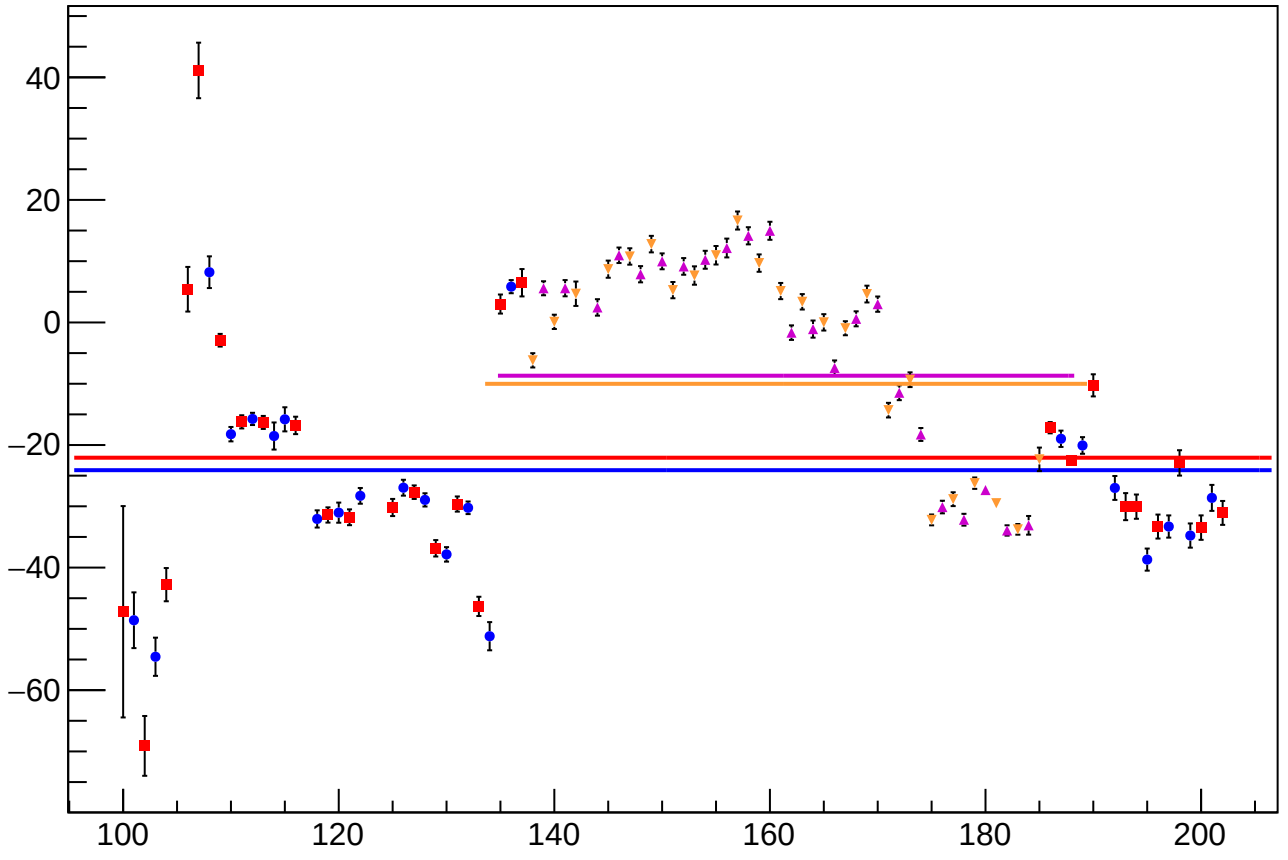
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 15.873+/-0.027 χ^2/NDF: 544347.9/49

In: -1.173+/-0.014 χ^2/NDF:791169.2/45

Out: -0.999+/-0.014 χ^2/NDF:889730.7/50

All: -1.085+/-0.010 χ^2/NDF: 1680973.1/96



Right In: -24.105+/-0.307 χ^2/NDF: 1724.1/22

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -22.069+/-0.278 χ^2/NDF: 2003.0/26

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

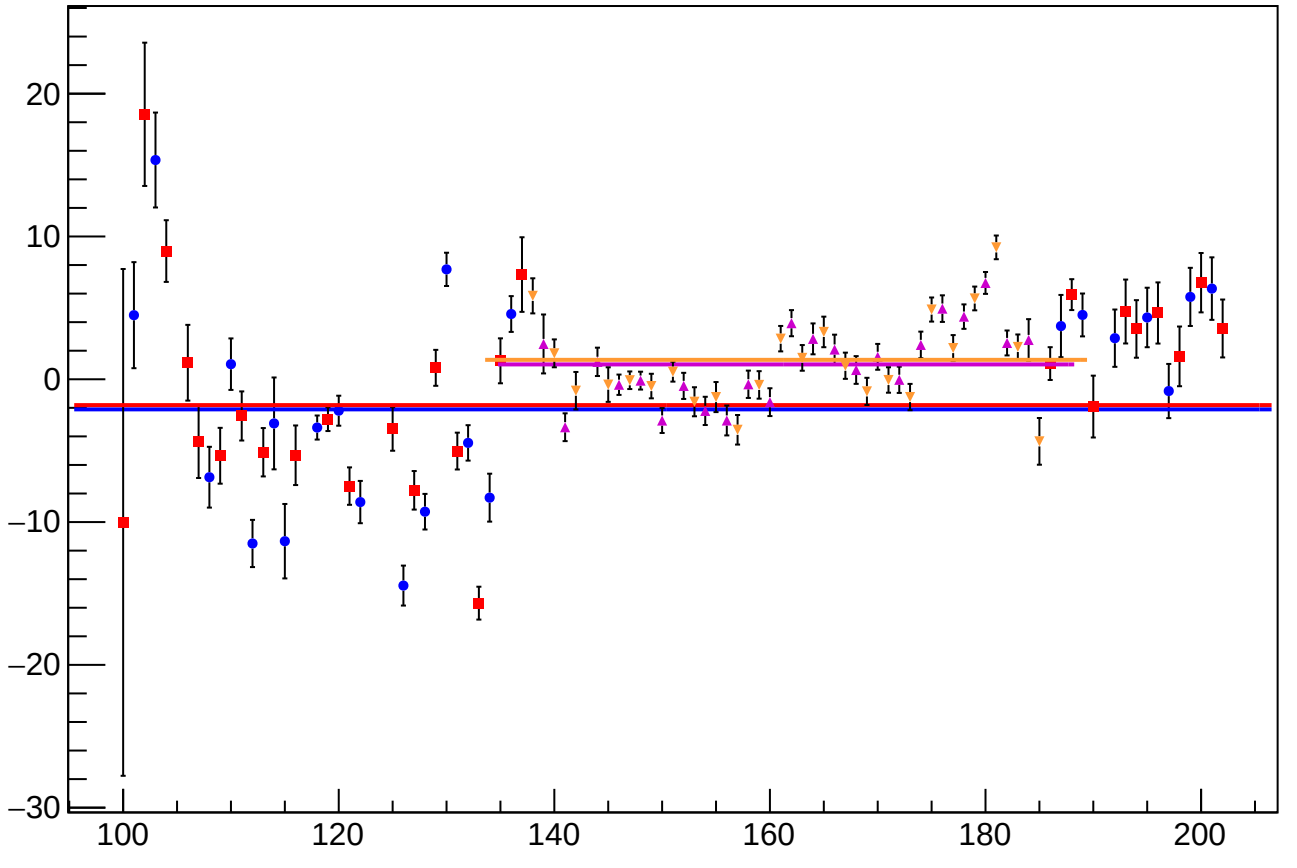
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.986+/-0.206 χ^2/NDF: 3751.2/49

In: -14.764+/-0.193 χ^2/NDF:8272.6/45

Out: -15.264+/-0.184 χ^2/NDF:8041.0/50

All: -15.026+/-0.133 χ^2/NDF: 16317.1/96



Right In: -2.107+/-0.325 χ^2/NDF: 405.0/22

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -1.810+/-0.309 χ^2/NDF: 375.7/26

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

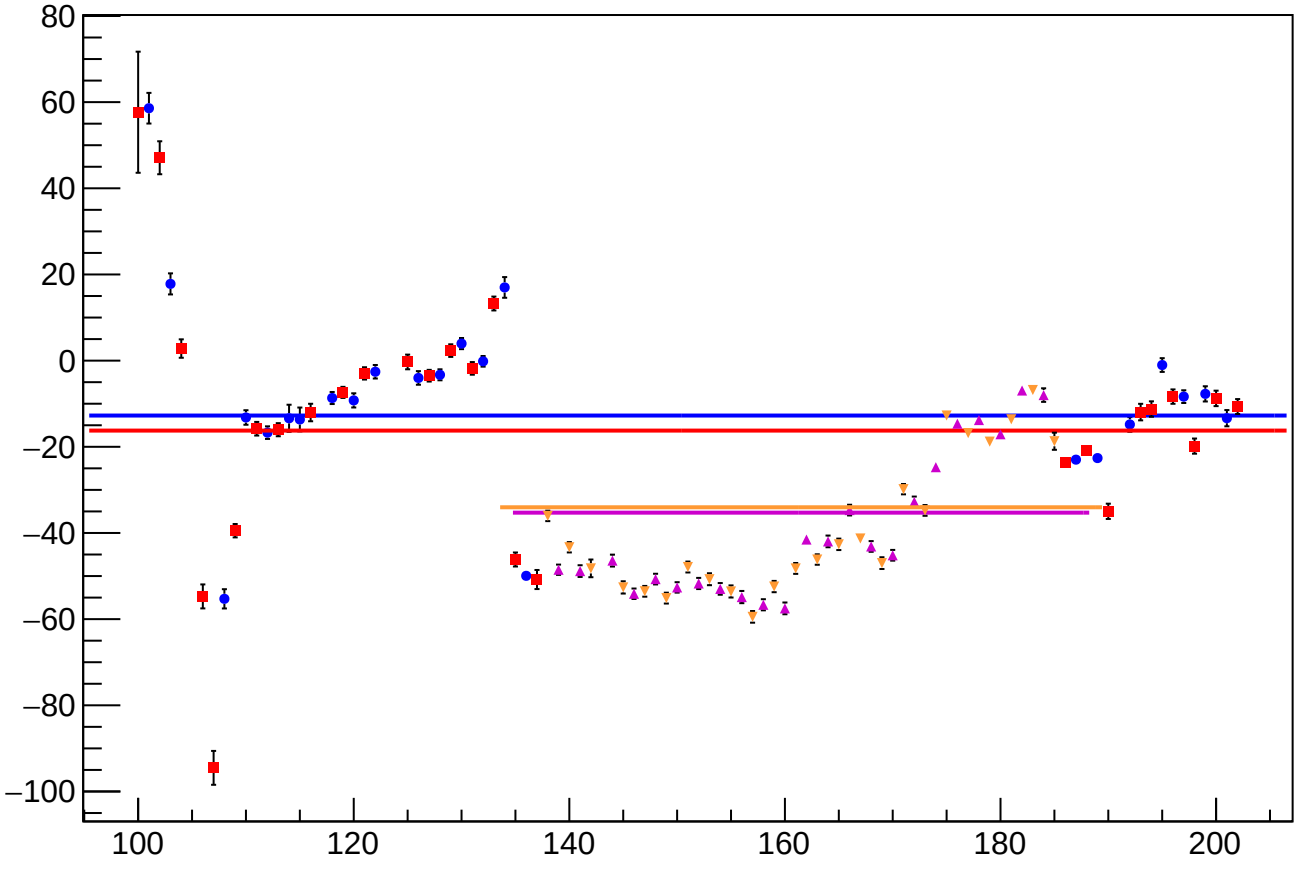
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -1.951+/-0.224 χ^2/NDF: 781.1/49

In: 0.224+/-0.166 χ^2/NDF:670.5/45

Out: 0.502+/-0.161 χ^2/NDF:692.8/50

All: 0.367+/-0.115 χ^2/NDF: 1364.8/96



Right In: -12.744+/-0.325 χ^2/NDF: 2904.9/22

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.235+/-0.283 χ^2/NDF: 3020.2/26

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

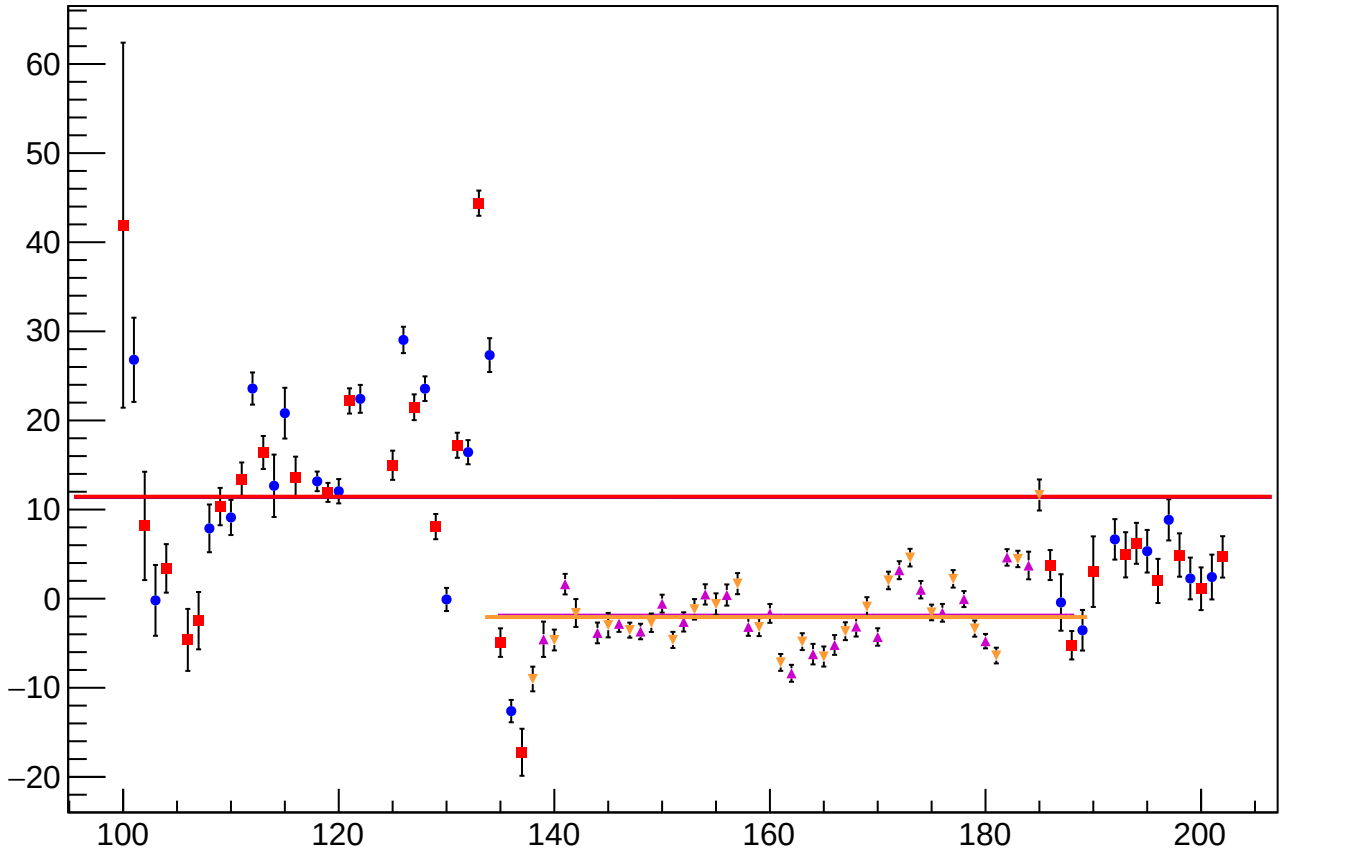
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

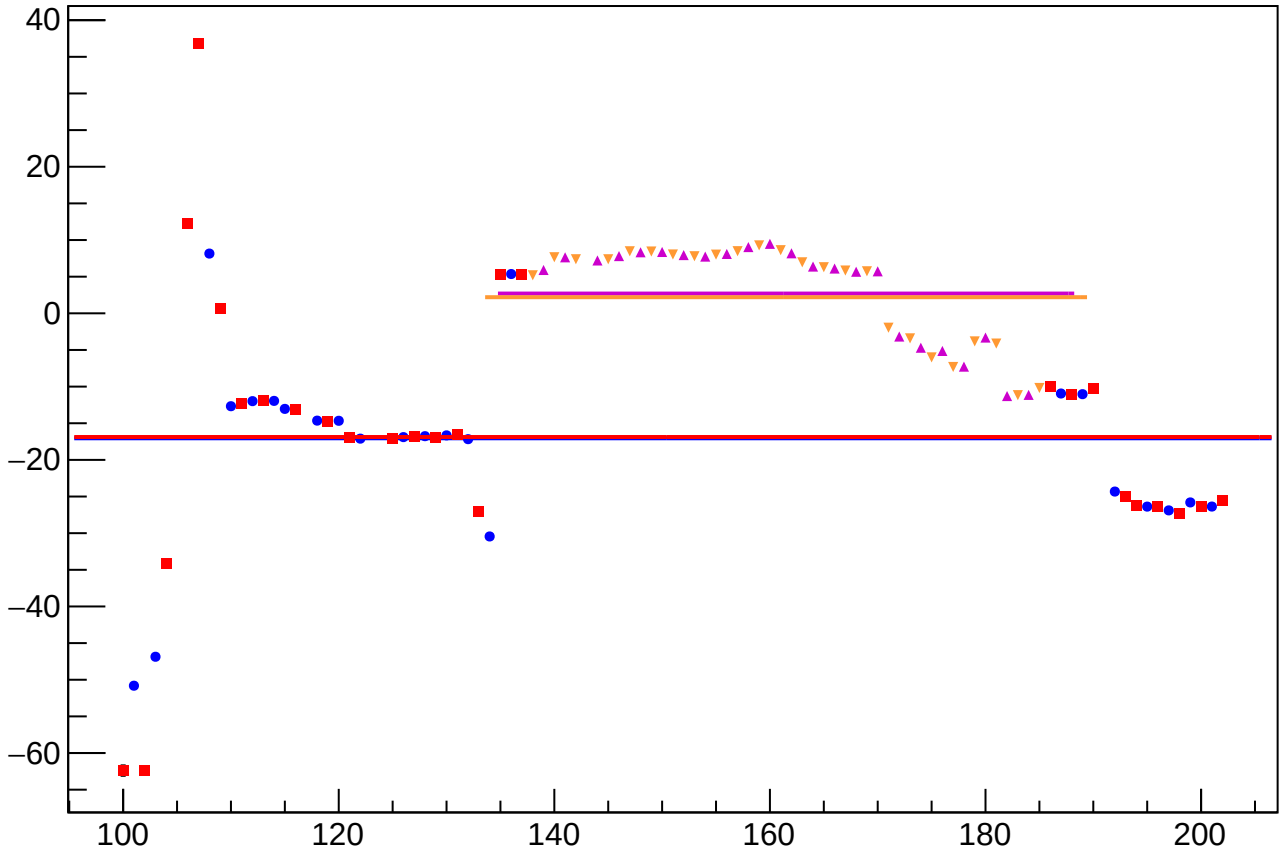
Right: -14.733+/-0.213 χ^2/NDF: 5990.6/49

In: -27.110+/-0.196 χ^2/NDF:10962.0/45

Out: -26.491+/-0.184 χ^2/NDF:10269.1/50

All: -26.781+/-0.134 χ^2/NDF: 21236.5/96


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 11.411+/-0.378 χ²/NDF: 976.5/22
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 11.440+/-0.366 χ²/NDF: 1152.8/26
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
Left: -1.985+/-0.151 χ²/NDF: 554.7/46
Right: 11.426+/-0.263 χ²/NDF: 2129.4/49
In: 1.379+/-0.188 χ²/NDF:2134.3/45
Out: 1.330+/-0.184 χ²/NDF:2501.9/50
All: 1.354+/-0.131 χ²/NDF: 4636.2/96



Right In: -17.050+/-0.020 χ^2/NDF: 487375.1/22

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -16.880+/-0.019 χ^2/NDF: 572710.7/26

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

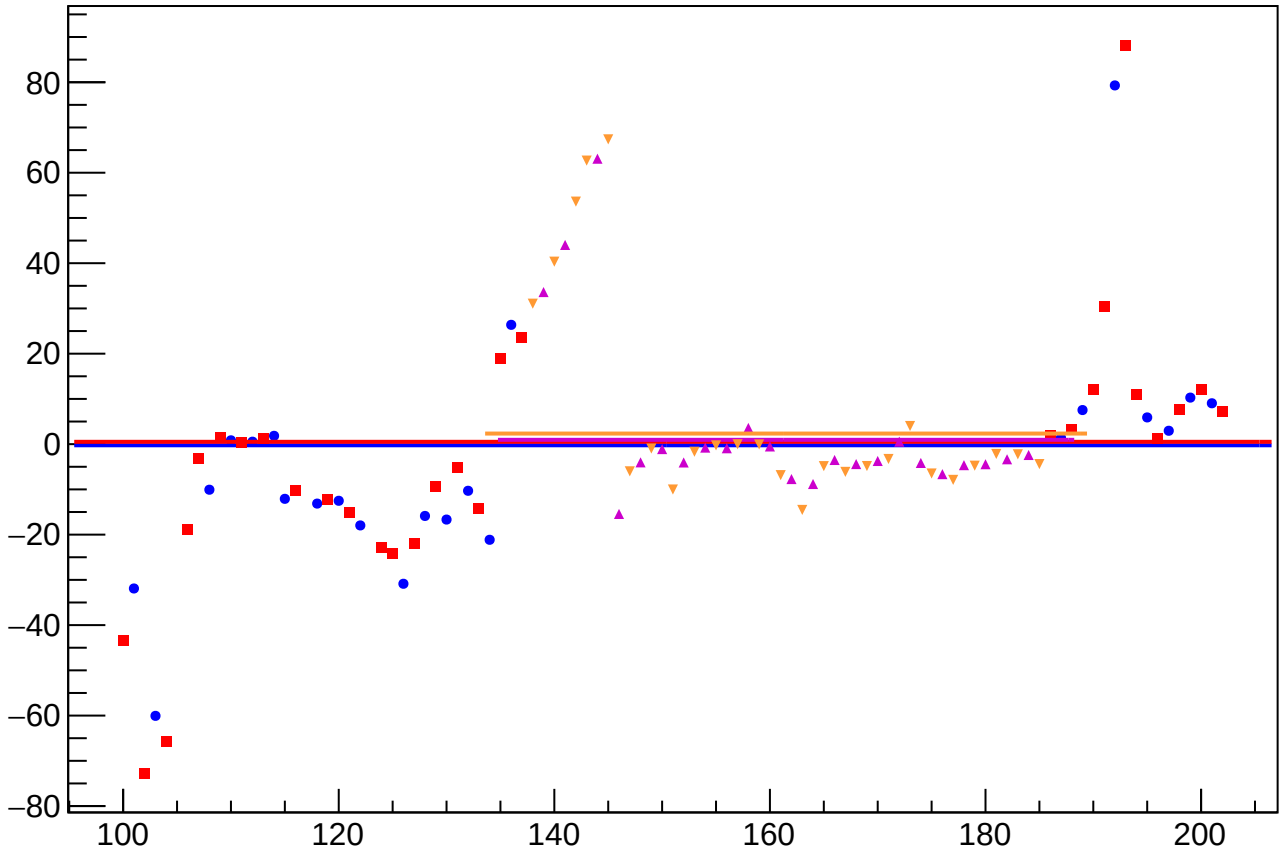
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -16.961+/-0.014 χ^2/NDF: 1060124.5/49

In: -1.064+/-0.009 χ^2/NDF:1799262.4/45

Out: -1.666+/-0.008 χ^2/NDF:1898891.8/50

All: -1.369+/-0.006 χ^2/NDF: 3700642.7/96



Right In: -0.249+/-0.045 χ^2/NDF: 117249.6/22

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.518+/-0.038 χ^2/NDF: 119544.6/28

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

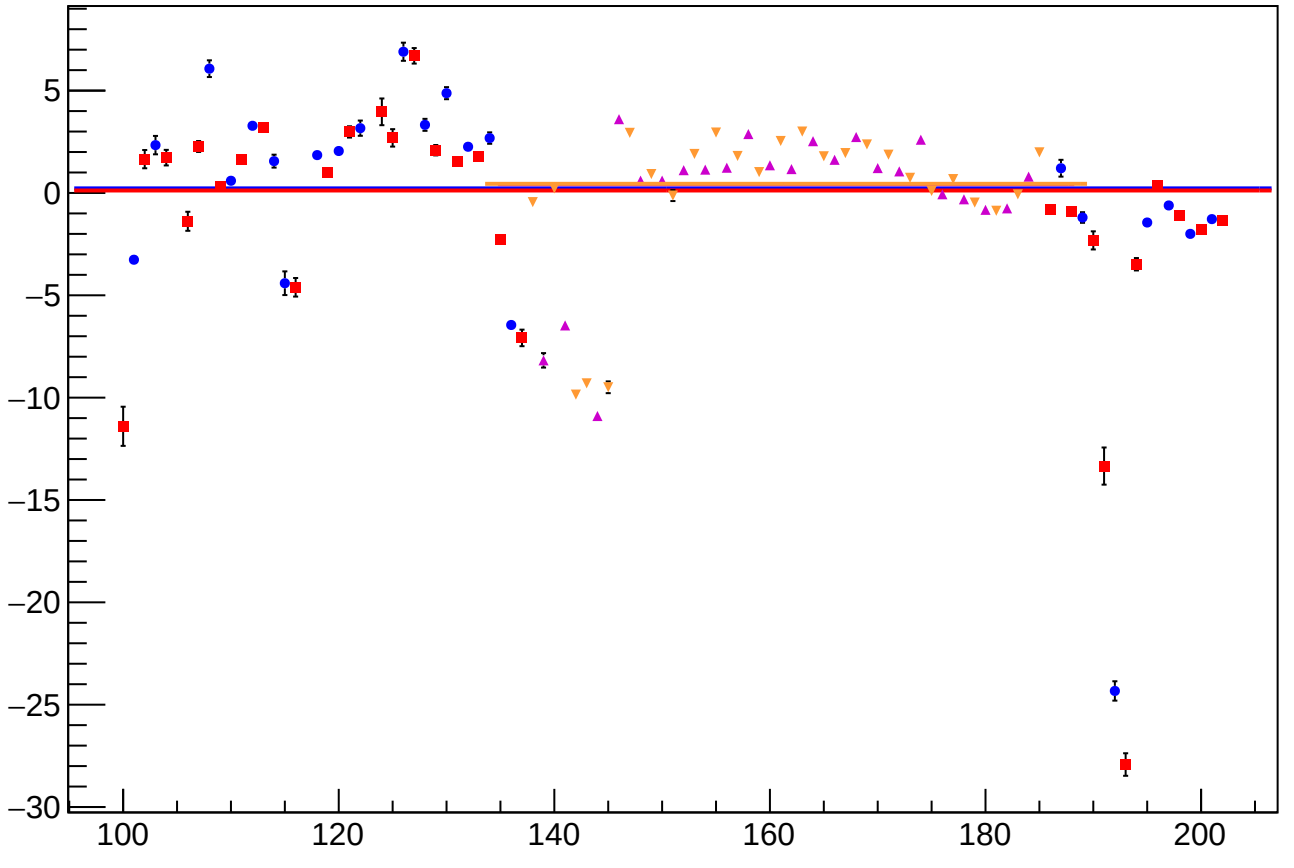
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 0.203+/-0.029 χ^2/NDF: 236963.7/51

In: 0.428+/-0.030 χ^2/NDF:250169.4/45

Out: 1.372+/-0.028 χ^2/NDF:297621.2/53

All: 0.939+/-0.020 χ^2/NDF: 548328.5/99



Right In: 0.223+/-0.050 χ^2/NDF: 5816.8/22

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.121+/-0.046 χ^2/NDF: 5068.4/28

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

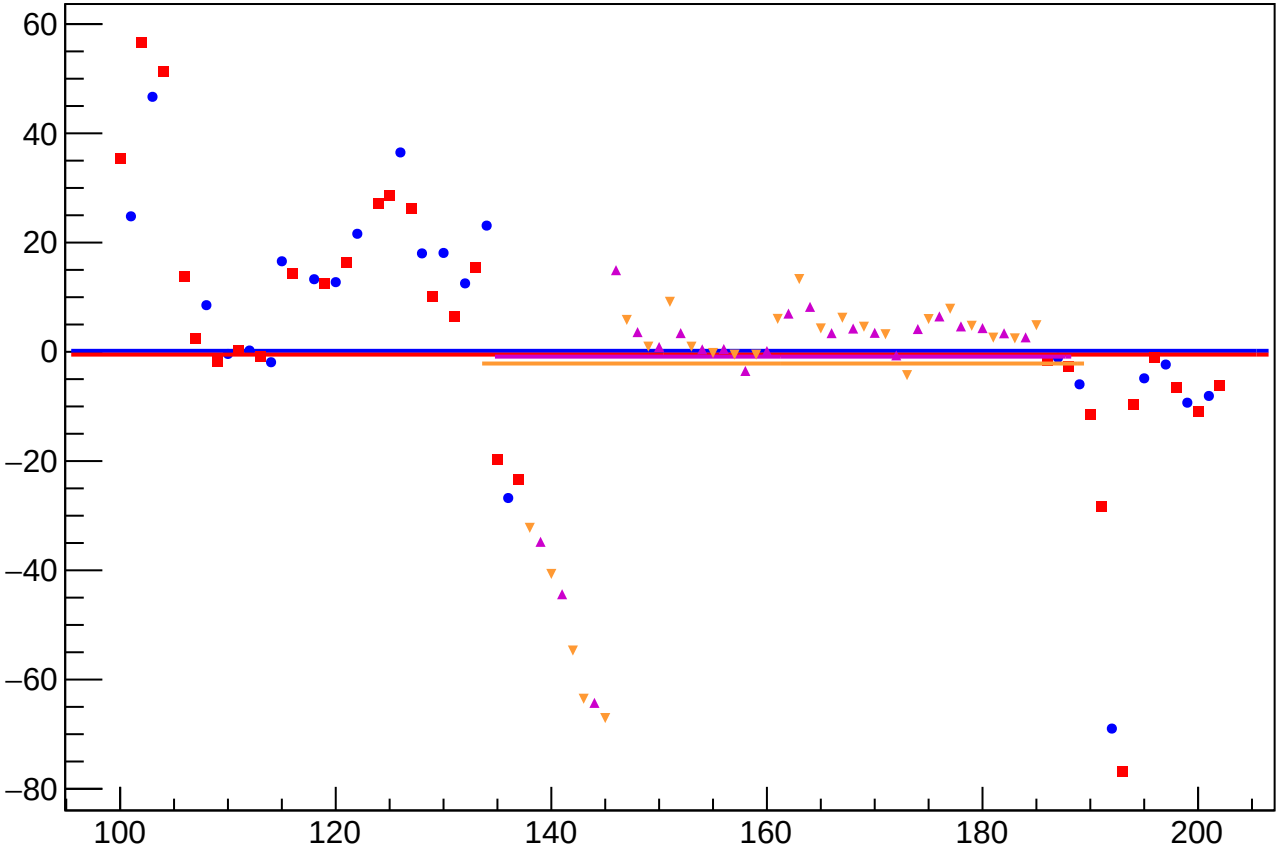
Right: 0.168+/-0.034 χ^2/NDF: 10887.4/51

In: 0.370+/-0.027 χ^2/NDF:12931.0/45

Out: 0.337+/-0.027 χ^2/NDF:12145.5/53

All: 0.354+/-0.019 χ^2/NDF: 25077.3/99

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.181+/-0.047 χ^2/NDF: 116510.9/22

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.510+/-0.040 χ^2/NDF: 118015.8/28

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

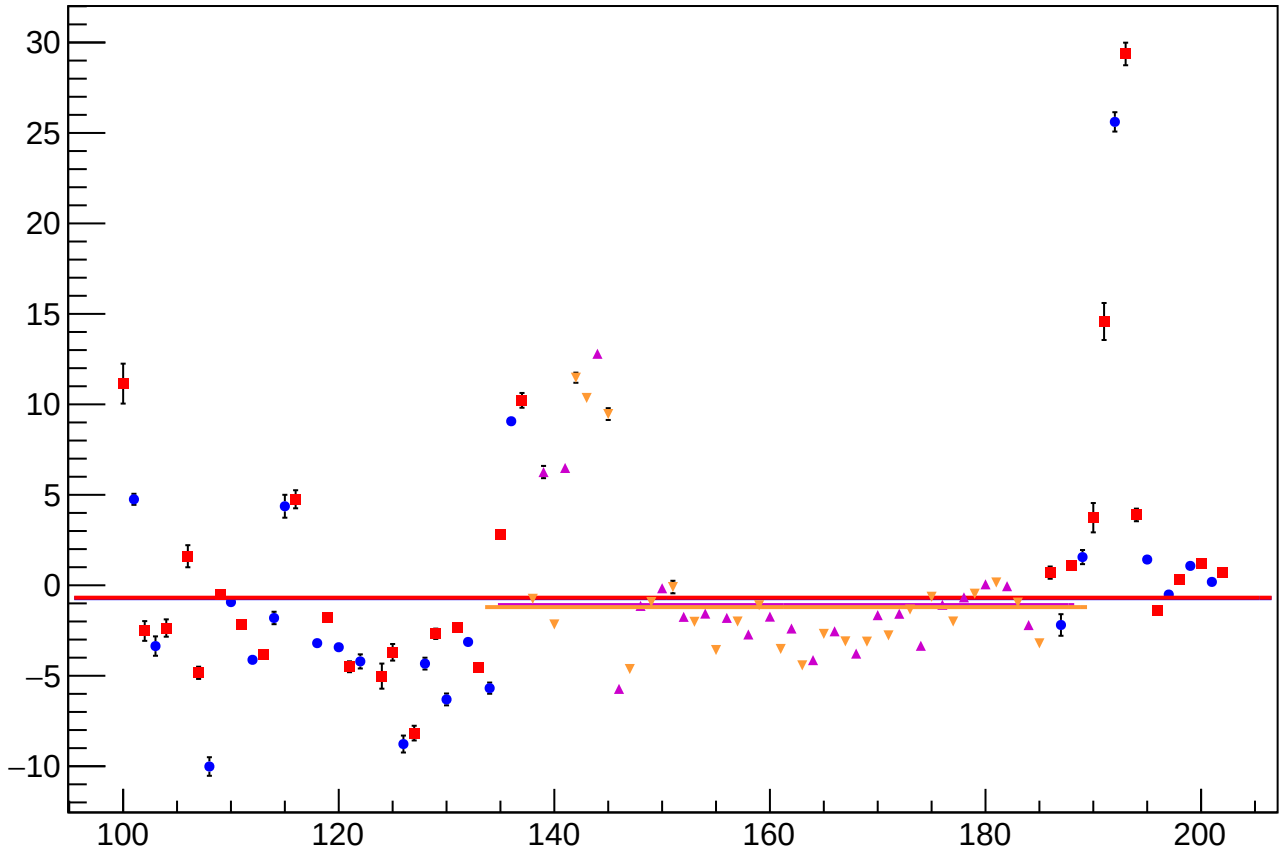
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -0.218+/-0.031 χ^2/NDF: 234650.7/51

In: -0.445+/-0.030 χ^2/NDF:246008.1/45

Out: -1.327+/-0.028 χ^2/NDF:290109.0/53

All: -0.912+/-0.021 χ^2/NDF: 536569.2/99



Right In: -0.712+/-0.059 χ^2/NDF: 7304.9/22

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.685+/-0.054 χ^2/NDF: 5600.6/28

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

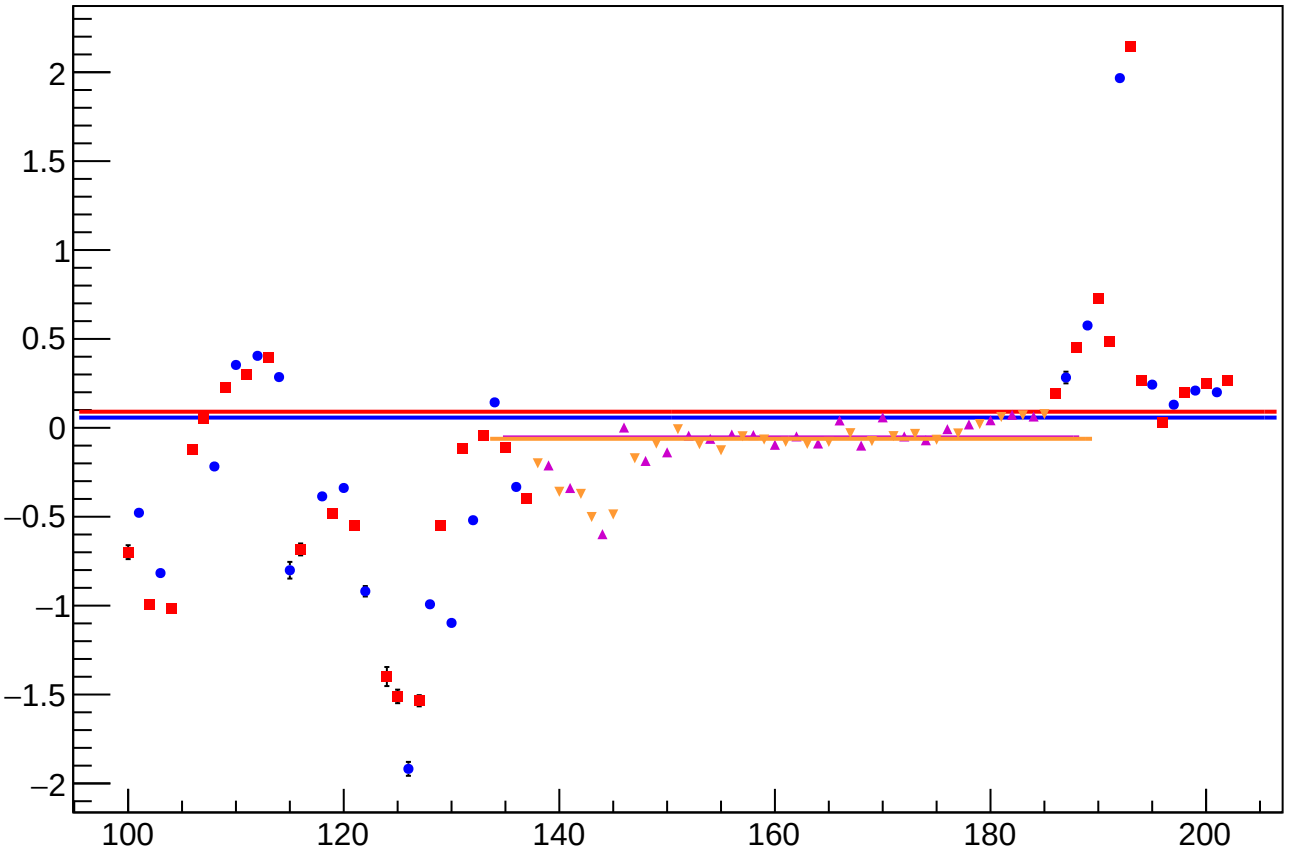
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.698+/-0.040 χ^2/NDF: 12905.6/51

In: -0.995+/-0.030 χ^2/NDF:14365.1/45

Out: -1.045+/-0.030 χ^2/NDF:12667.4/53

All: -1.019+/-0.021 χ^2/NDF: 27033.9/99



Right In: 0.058+/-0.003 χ^2/NDF: 33590.0/22

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.091+/-0.002 χ^2/NDF: 34469.6/28

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

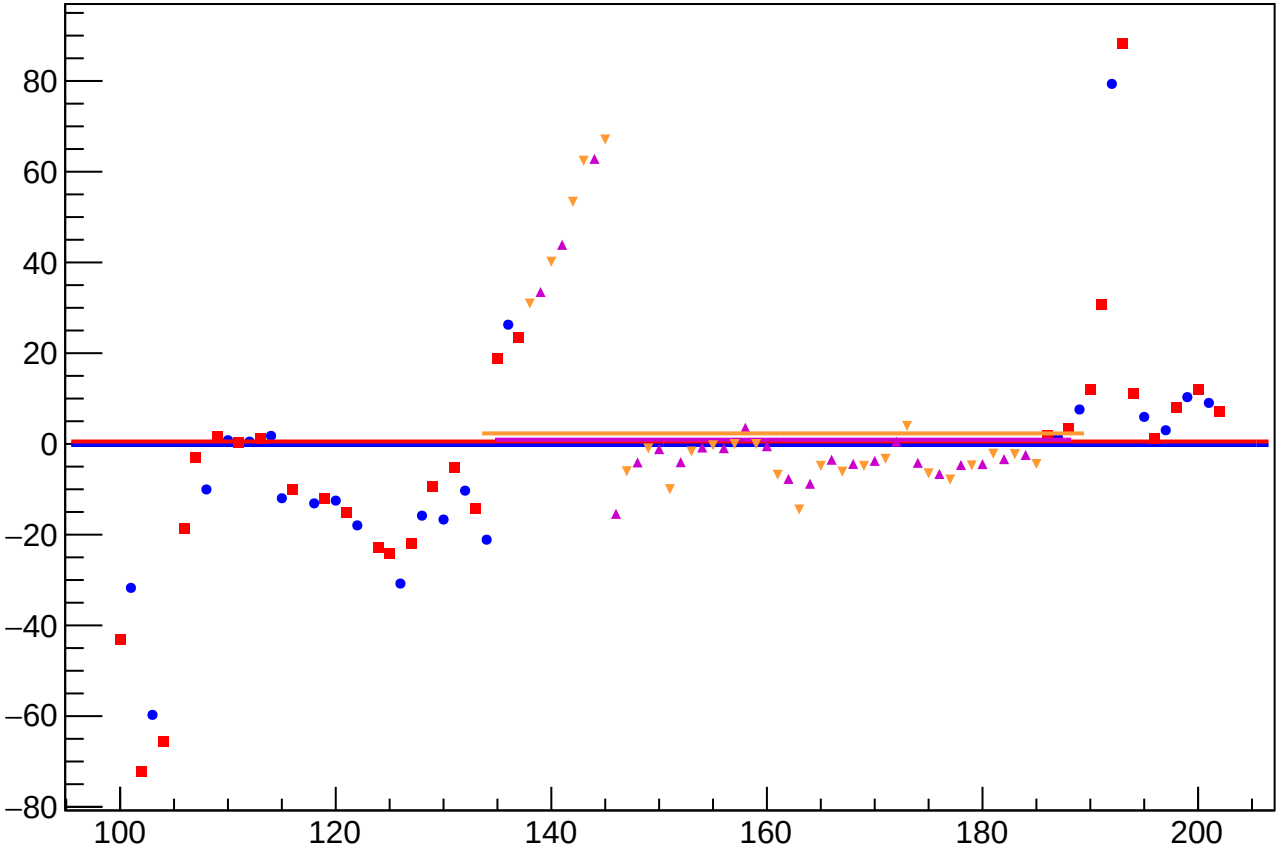
Right: 0.075+/-0.002 χ^2/NDF: 68142.1/51

In: -0.027+/-0.001 χ^2/NDF:39950.4/45

Out: -0.018+/-0.001 χ^2/NDF:42848.6/53

All: -0.023+/-0.001 χ^2/NDF: 82825.2/99

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.241+/-0.045 χ^2/NDF: 117667.4/22

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.530+/-0.038 χ^2/NDF: 120042.0/28

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

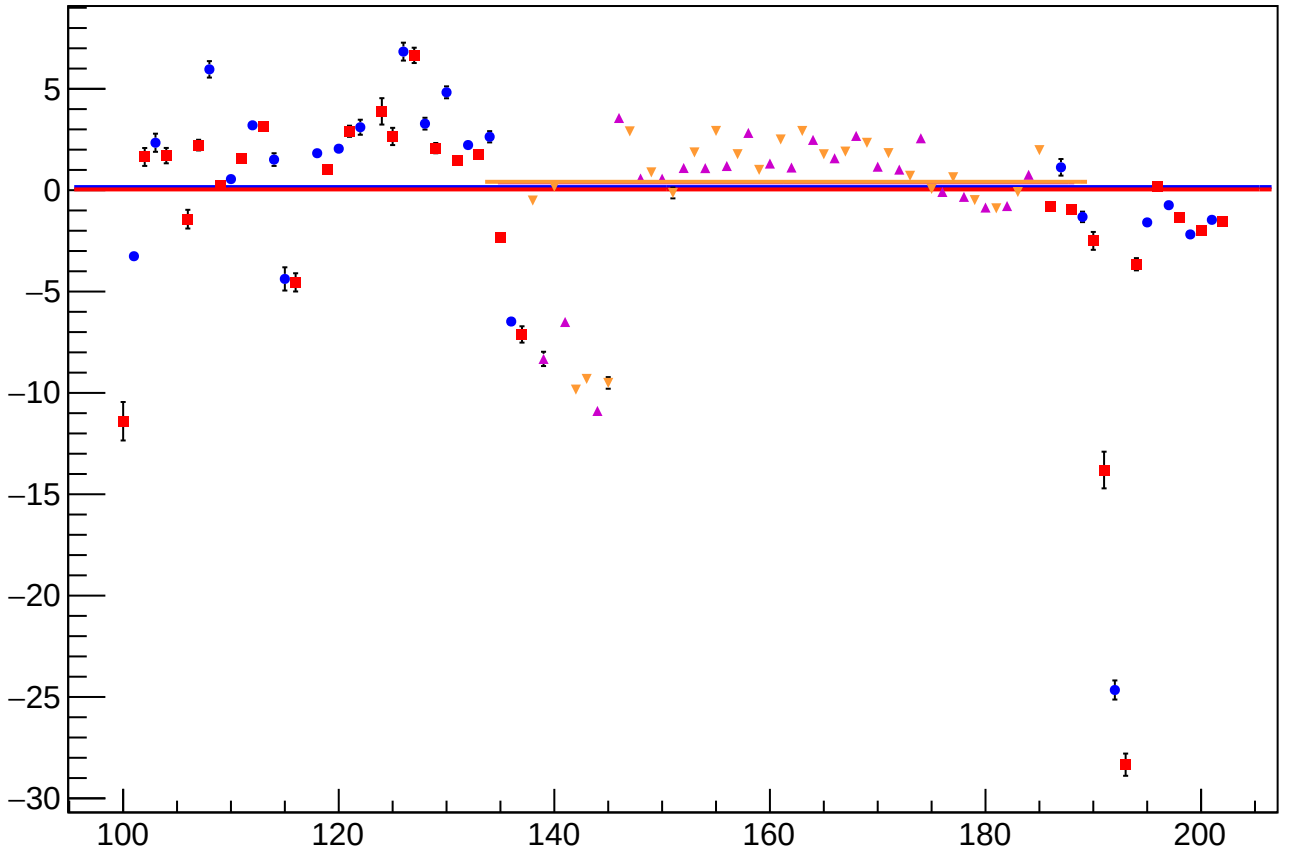
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 0.213+/-0.029 χ^2/NDF: 237882.9/51

In: 0.418+/-0.030 χ^2/NDF:250456.8/45

Out: 1.364+/-0.027 χ^2/NDF:297847.8/53

All: 0.930+/-0.020 χ^2/NDF: 548850.4/99



Right In: 0.153+/-0.050 χ^2/NDF: 5948.0/22

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.038+/-0.046 χ^2/NDF: 5239.4/28

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

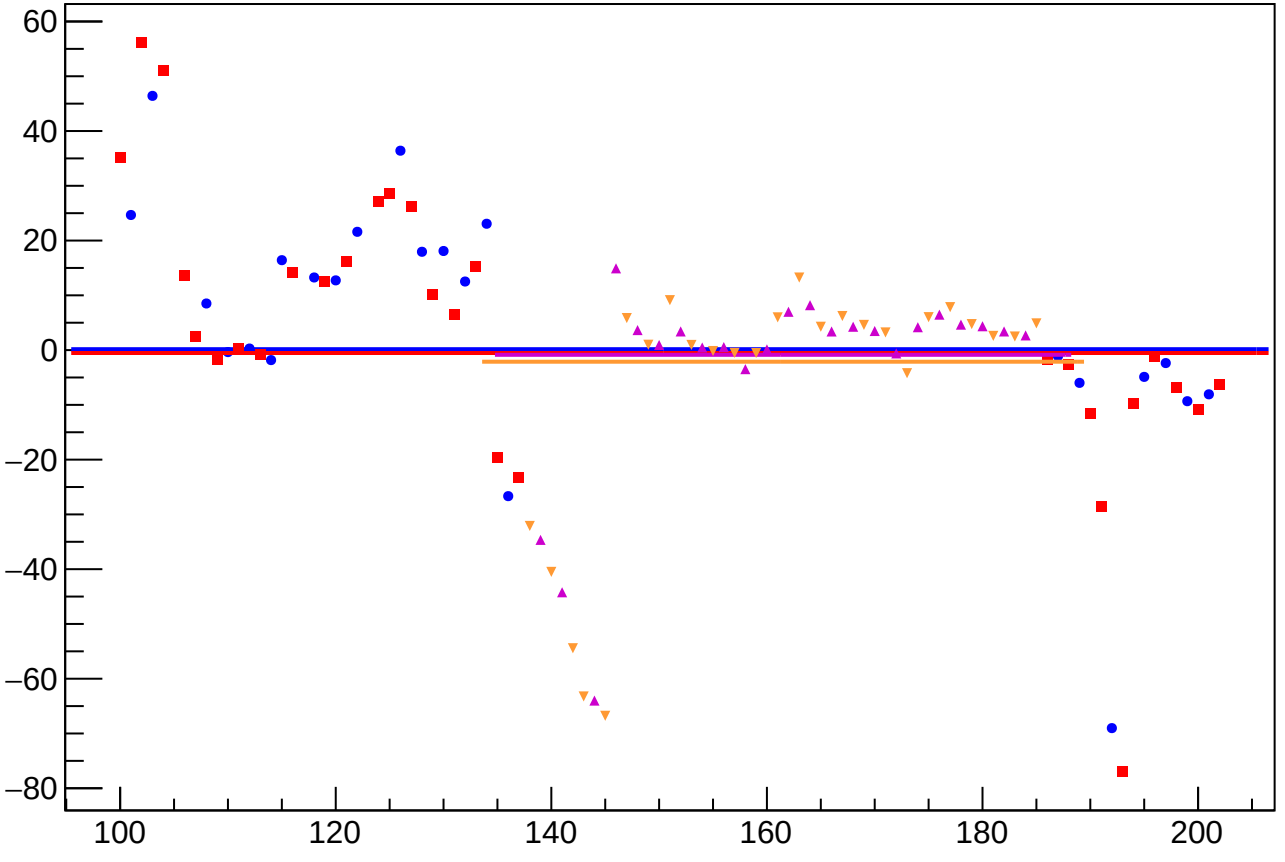
Right: 0.091+/-0.034 χ^2/NDF: 11190.3/51

In: 0.322+/-0.027 χ^2/NDF:13078.2/45

Out: 0.287+/-0.027 χ^2/NDF:12330.9/53

All: 0.305+/-0.019 χ^2/NDF: 25410.0/99

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.168+/-0.047 χ^2/NDF: 116913.0/22

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.529+/-0.040 χ^2/NDF: 118499.4/28

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

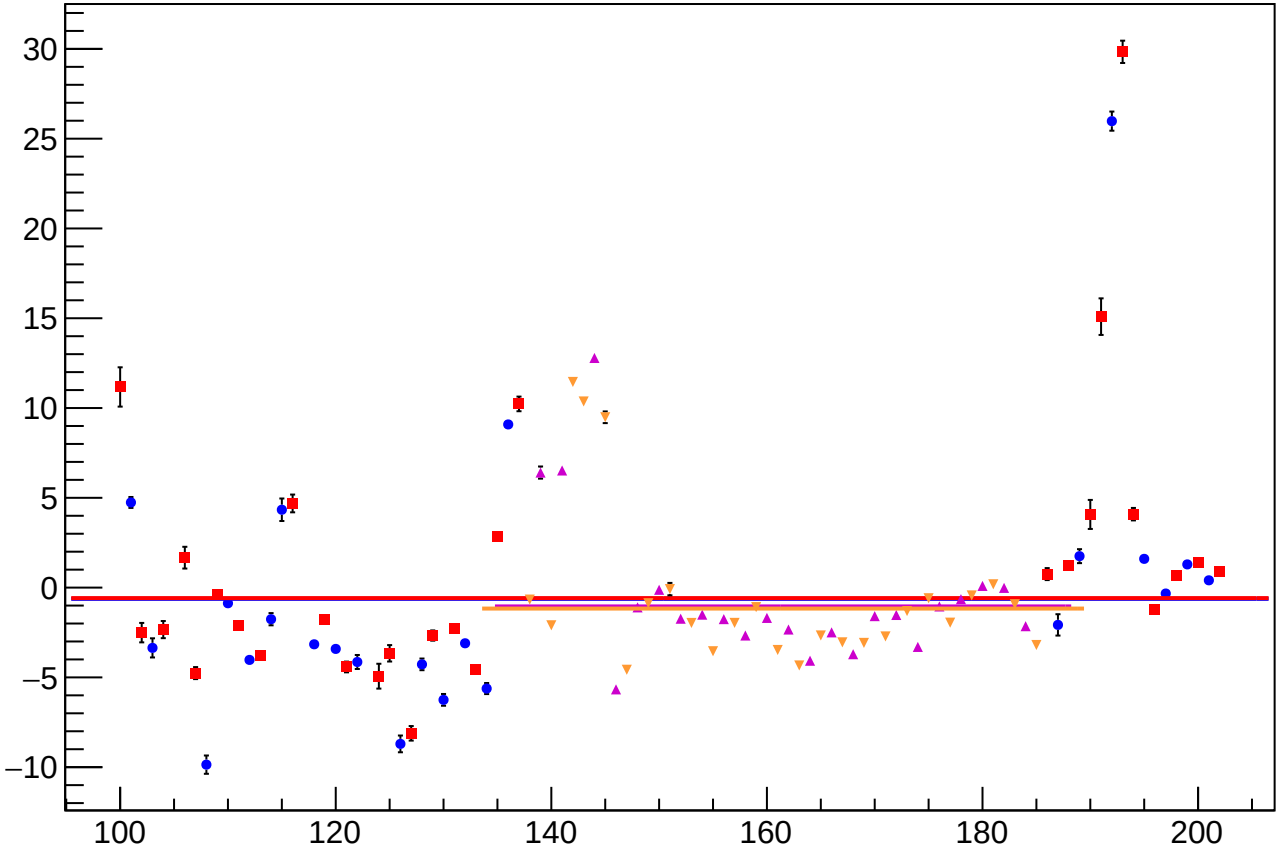
Right: -0.235+/-0.030 χ^2/NDF: 235540.2/51

In: -0.436+/-0.030 χ^2/NDF:246279.9/45

Out: -1.322+/-0.028 χ^2/NDF:290327.1/53

All: -0.905+/-0.021 χ^2/NDF: 537067.1/99

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.627+/-0.059 χ^2/NDF: 7417.0/22

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.585+/-0.054 χ^2/NDF: 5760.2/28

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

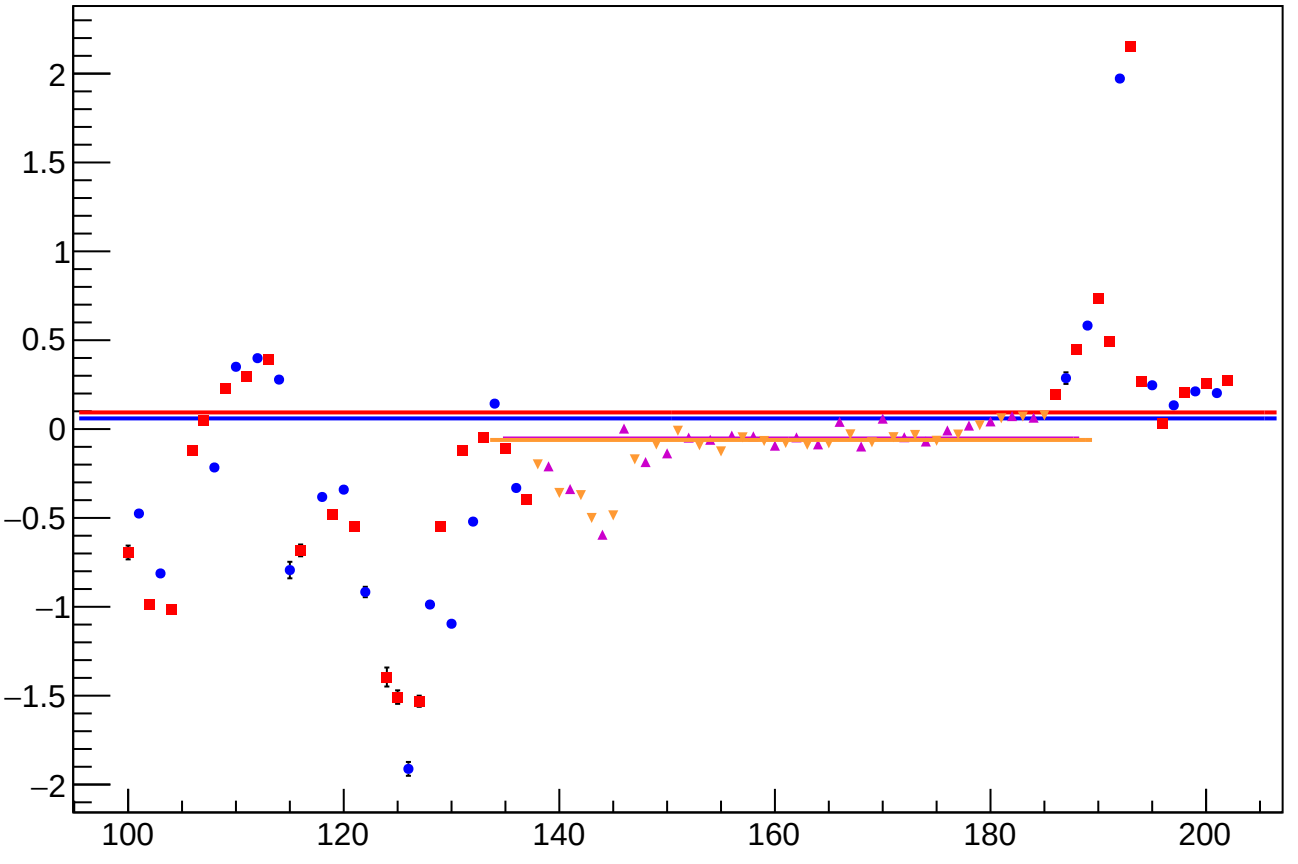
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.604+/-0.040 χ^2/NDF: 13177.5/51

In: -0.938+/-0.030 χ^2/NDF:14496.2/45

Out: -0.987+/-0.030 χ^2/NDF:12842.0/53

All: -0.962+/-0.021 χ^2/NDF: 27339.5/99



Right In: 0.060+/-0.003 χ^2/NDF: 33861.2/22

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.094+/-0.002 χ^2/NDF: 34785.9/28

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

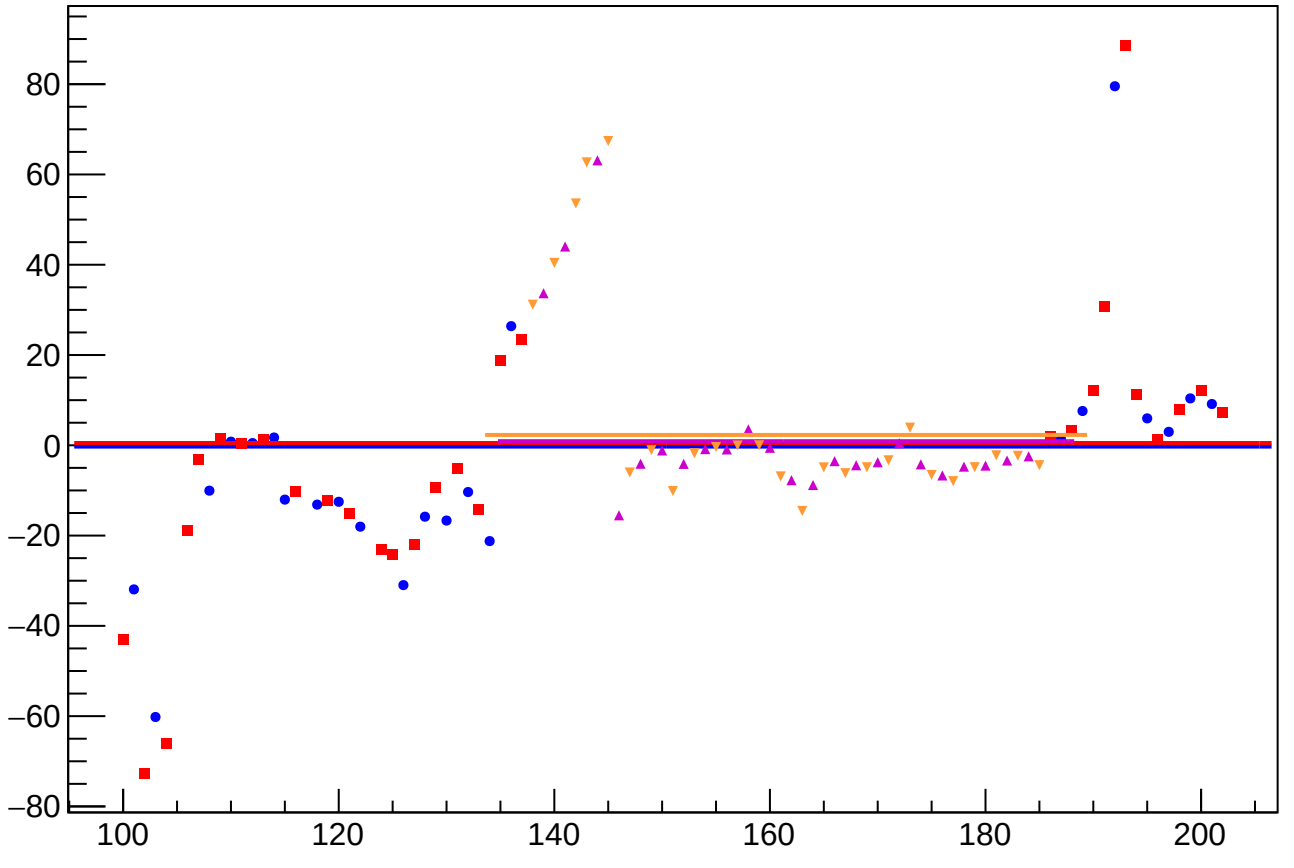
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.078+/-0.002 χ^2/NDF: 68733.6/51

In: -0.026+/-0.001 χ^2/NDF:40246.1/45

Out: -0.016+/-0.001 χ^2/NDF:43294.3/53

All: -0.021+/-0.001 χ^2/NDF: 83566.9/99



Right In: -0.283+/-0.045 χ^2/NDF: 117691.6/22

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.507+/-0.038 χ^2/NDF: 120087.0/28

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

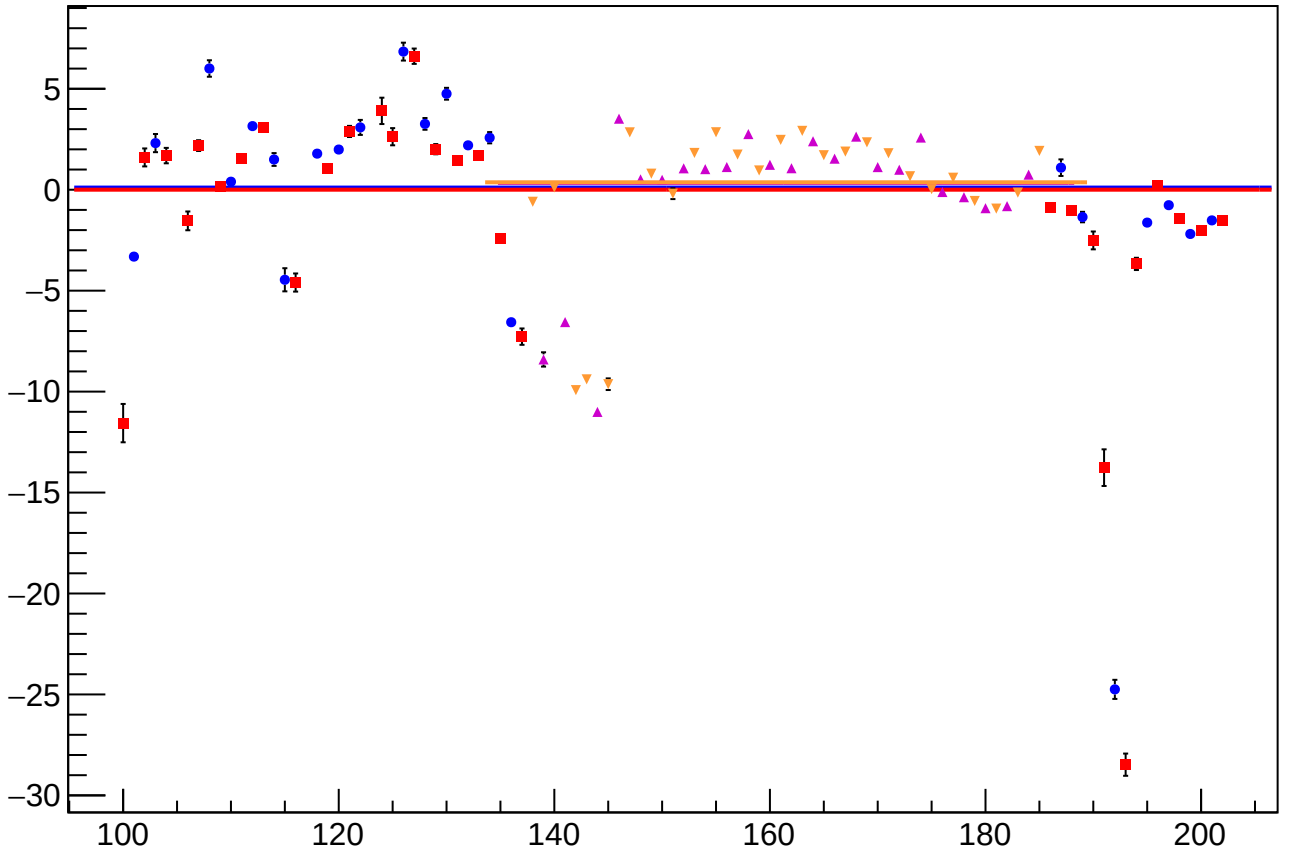
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 0.183+/-0.029 χ^2/NDF: 237958.6/51

In: 0.388+/-0.030 χ^2/NDF:250657.8/45

Out: 1.343+/-0.028 χ^2/NDF:298323.3/53

All: 0.905+/-0.020 χ^2/NDF: 549531.2/99



Right In: 0.106+/-0.050 χ^2/NDF: 5932.2/22

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.002+/-0.046 χ^2/NDF: 5233.9/28

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

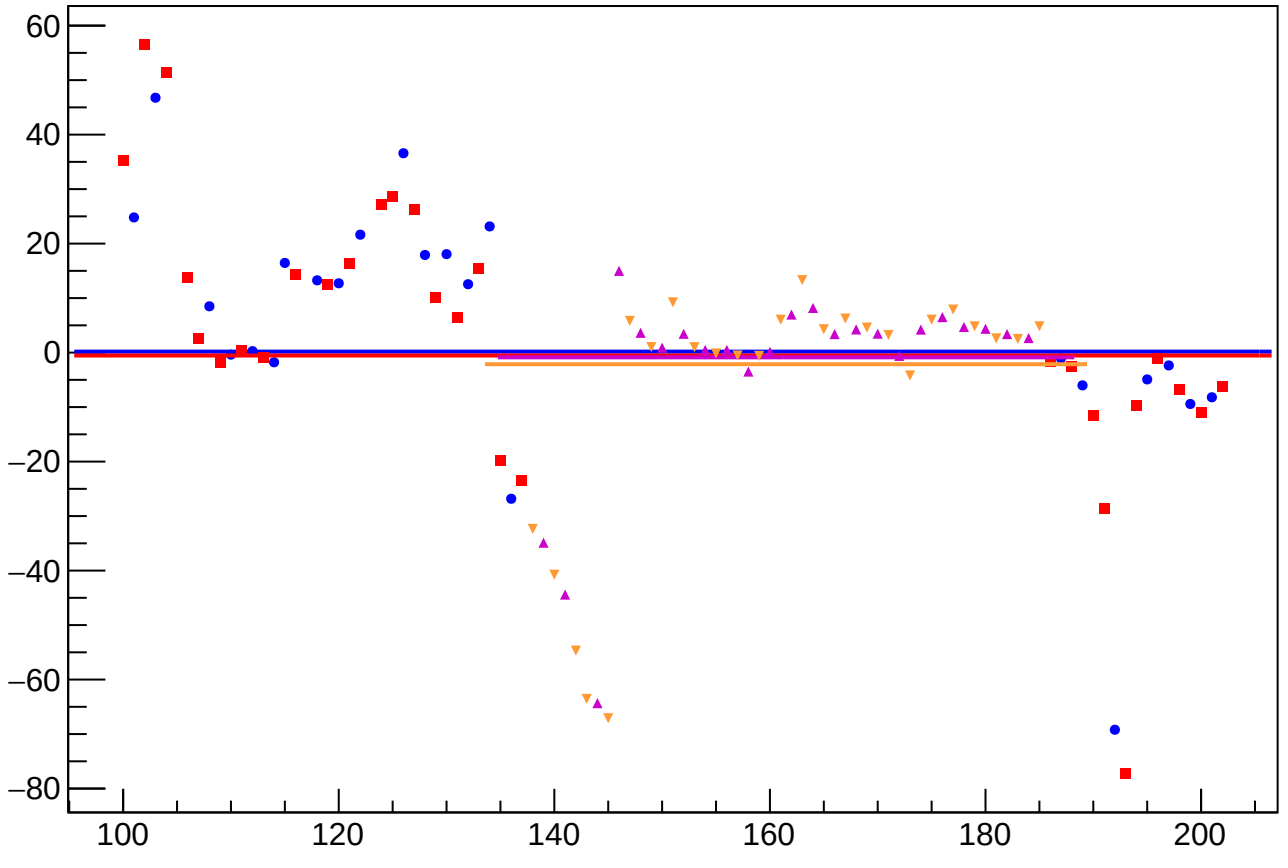
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.050+/-0.034 χ^2/NDF: 11168.4/51

In: 0.272+/-0.027 χ^2/NDF:13041.6/45

Out: 0.245+/-0.027 χ^2/NDF:12343.4/53

All: 0.258+/-0.019 χ^2/NDF: 25385.5/99



Right In: 0.177+/-0.047 χ^2/NDF: 116952.8/22

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.537+/-0.040 χ^2/NDF: 118566.6/28

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

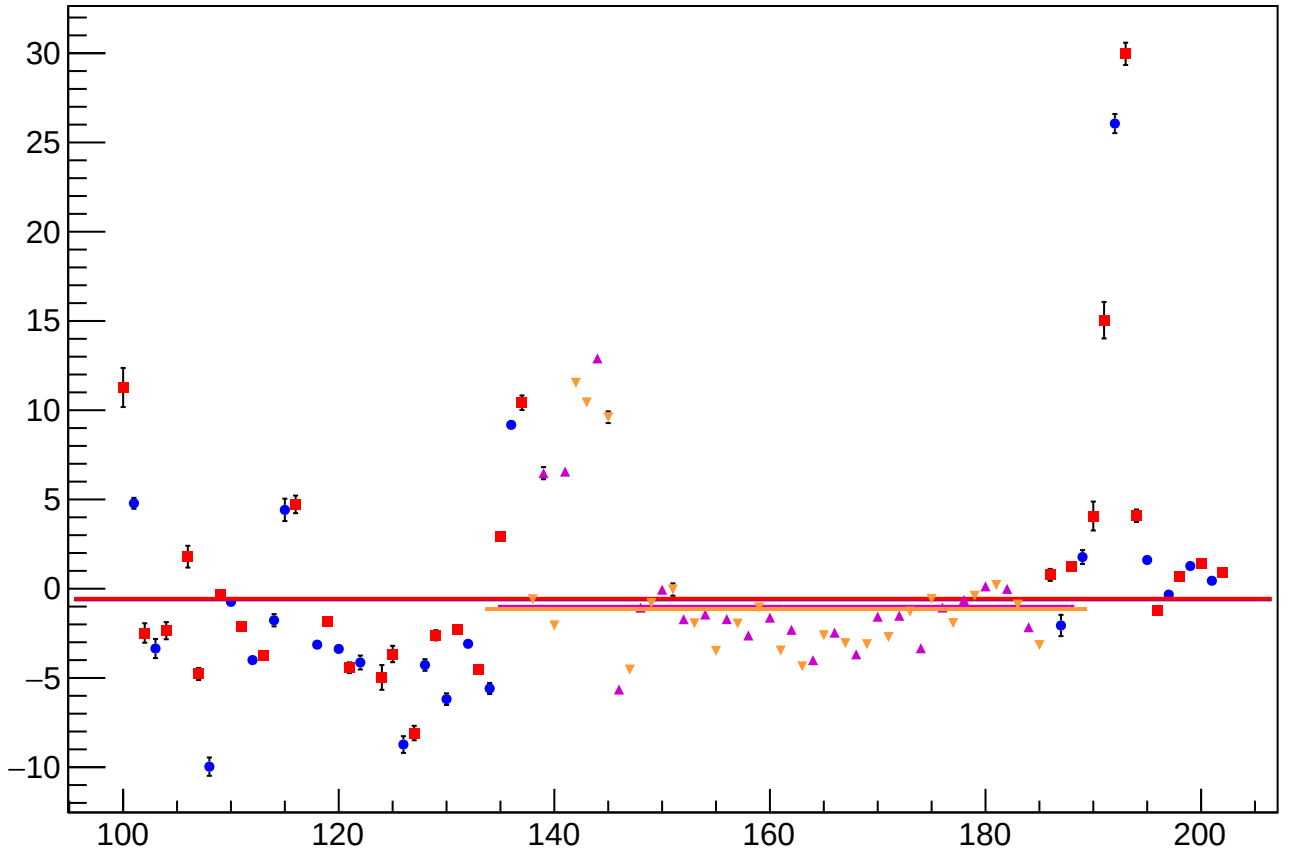
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -0.236+/-0.031 χ^2/NDF: 235652.3/51

In: -0.440+/-0.030 χ^2/NDF:246507.7/45

Out: -1.333+/-0.028 χ^2/NDF:290820.3/53

All: -0.914+/-0.021 χ^2/NDF: 537790.2/99



Right In: -0.595+/-0.059 χ^2/NDF: 7409.6/22

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.567+/-0.054 χ^2/NDF: 5766.2/28

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

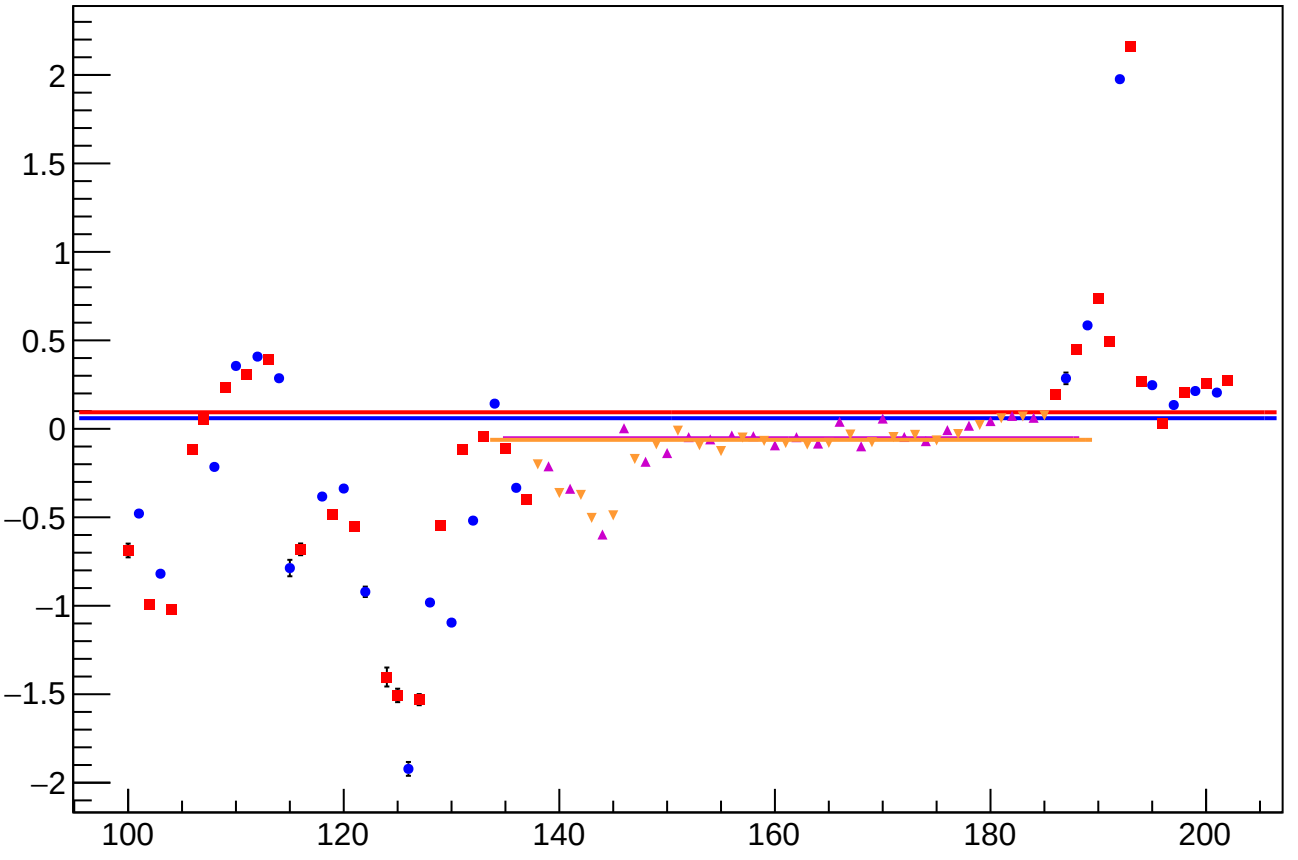
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.580+/-0.040 χ^2/NDF: 13175.9/51

In: -0.905+/-0.030 χ^2/NDF:14474.1/45

Out: -0.962+/-0.030 χ^2/NDF:12866.3/53

All: -0.933+/-0.021 χ^2/NDF: 27342.3/99



Right In: 0.060+/-0.003 χ^2/NDF: 33860.4/22

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.094+/-0.002 χ^2/NDF: 34746.8/28

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

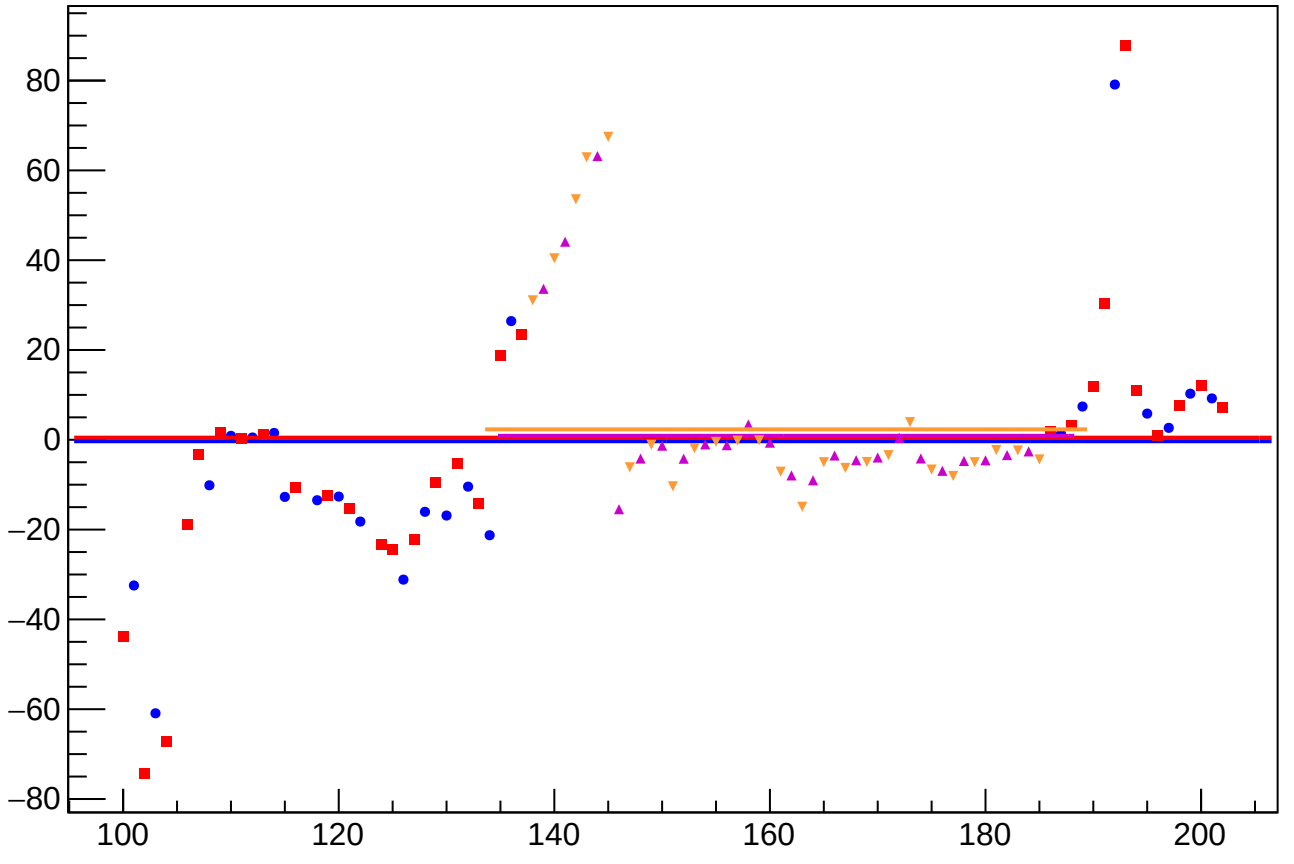
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.078+/-0.002 χ^2/NDF: 68691.5/51

In: -0.026+/-0.001 χ^2/NDF:40225.9/45

Out: -0.017+/-0.001 χ^2/NDF:43263.9/53

All: -0.022+/-0.001 χ^2/NDF: 83513.5/99



Right In: -0.318+/-0.046 χ^2/NDF: 115889.7/22

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.476+/-0.038 χ^2/NDF: 118450.2/28

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

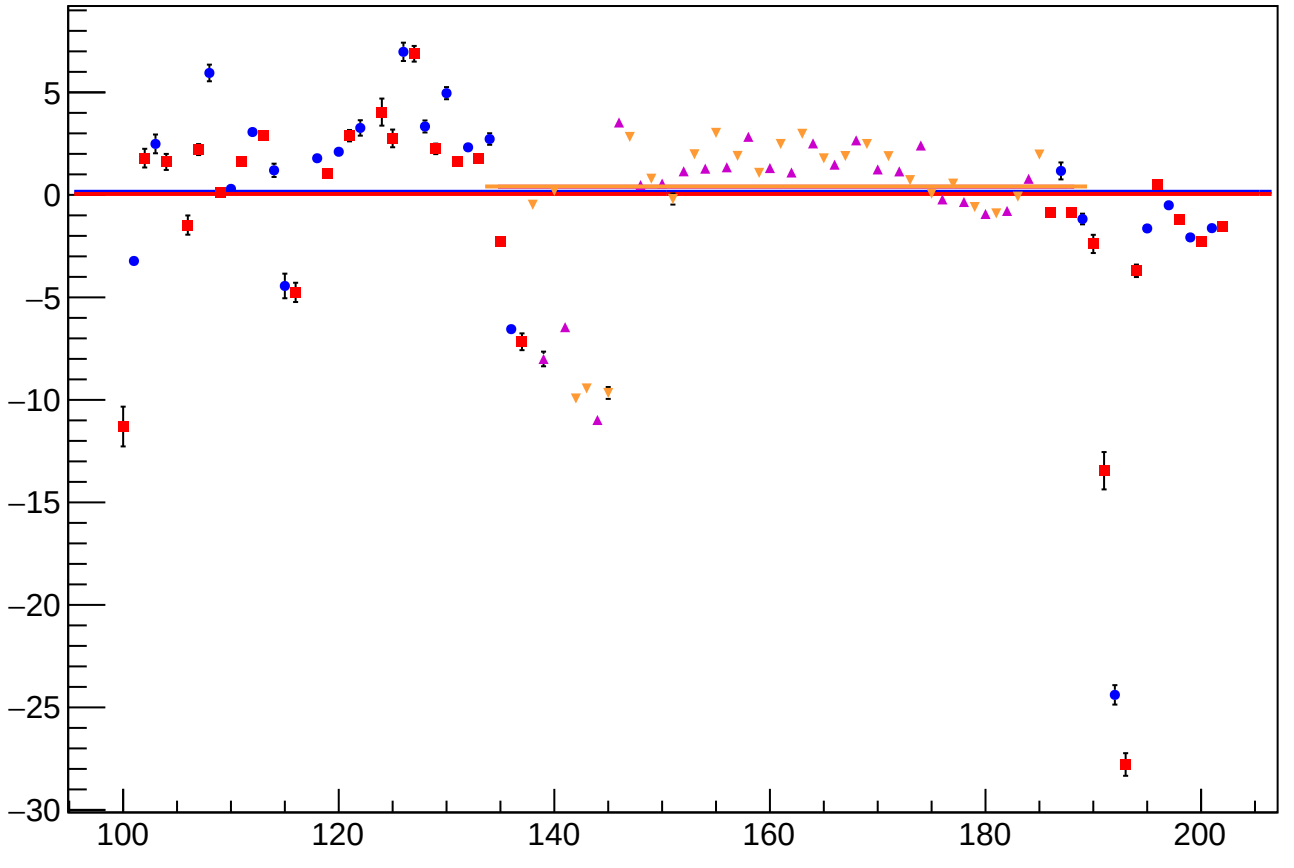
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 0.150+/-0.029 χ^2/NDF: 234516.1/51

In: 0.356+/-0.030 χ^2/NDF:246692.0/45

Out: 1.339+/-0.028 χ^2/NDF:294184.3/53

All: 0.889+/-0.021 χ^2/NDF: 541440.0/99



Right In: 0.150+/-0.051 χ^2/NDF: 5777.0/22

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.045+/-0.047 χ^2/NDF: 5036.7/28

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

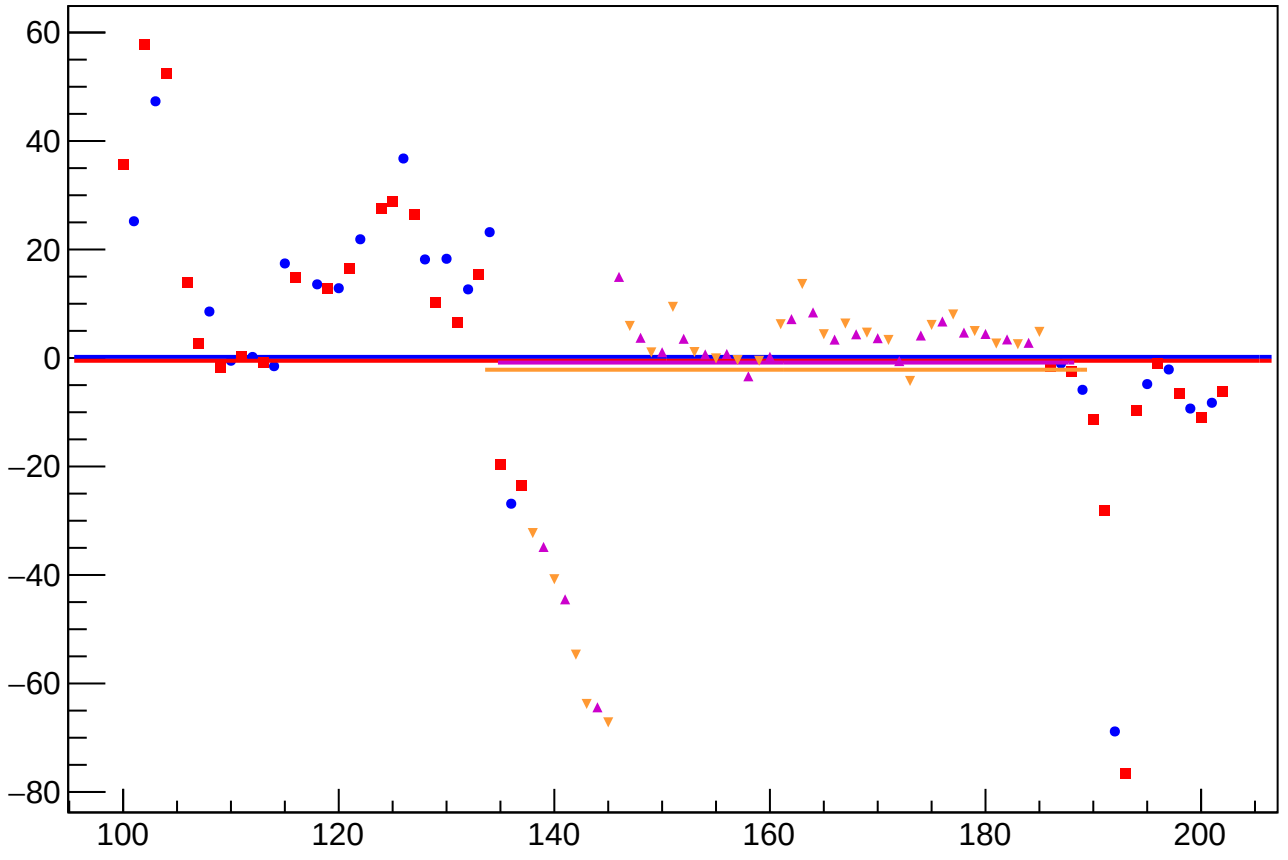
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.094+/-0.034 χ^2/NDF: 10816.1/51

In: 0.326+/-0.027 χ^2/NDF:12725.7/45

Out: 0.287+/-0.027 χ^2/NDF:12124.6/53

All: 0.307+/-0.019 χ^2/NDF: 24851.4/99



Right In: 0.202+/-0.048 χ^2/NDF: 115179.0/22

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.512+/-0.041 χ^2/NDF: 116939.0/28

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

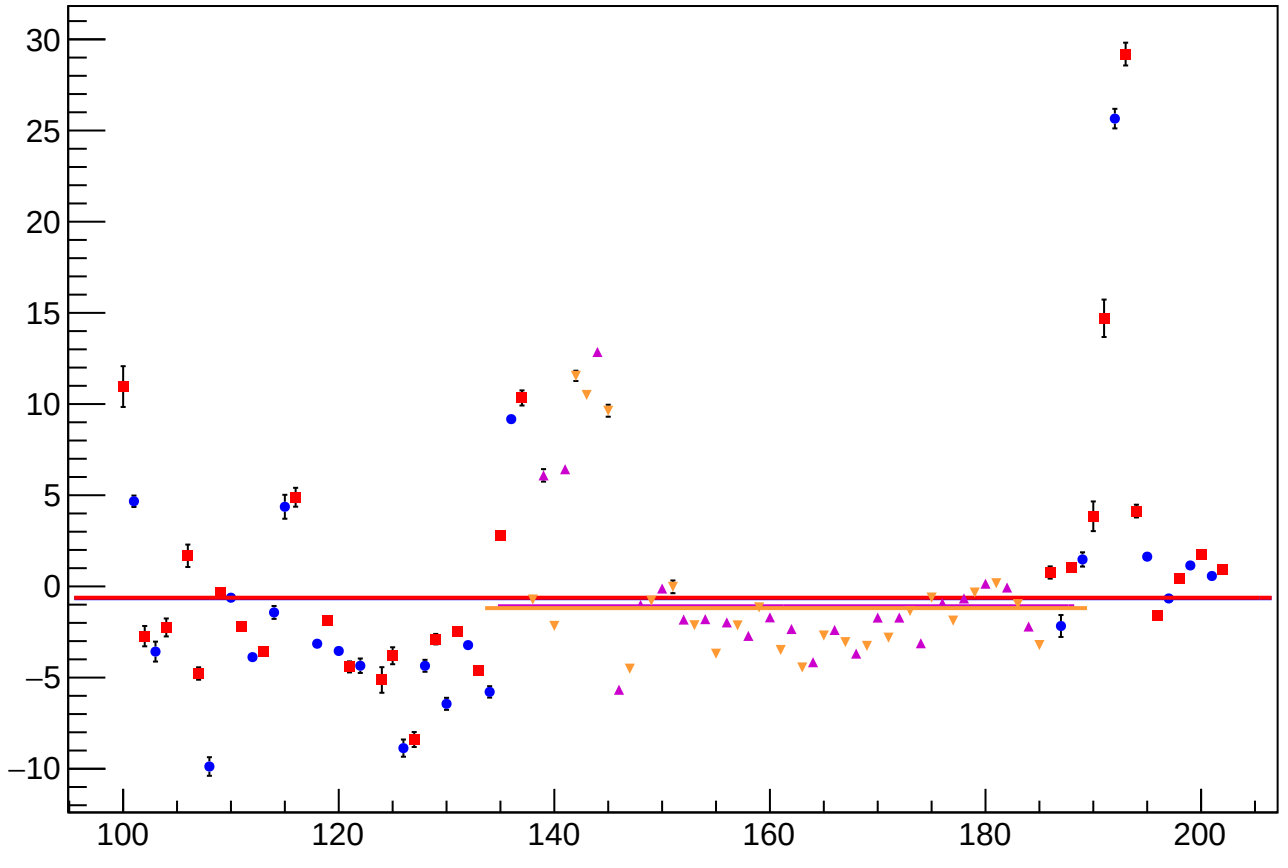
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -0.212+/-0.031 χ^2/NDF: 232248.0/51

In: -0.409+/-0.031 χ^2/NDF:242594.9/45

Out: -1.330+/-0.029 χ^2/NDF:286745.6/53

All: -0.898+/-0.021 χ^2/NDF: 529816.7/99



Right In: -0.647+/-0.060 χ^2/NDF: 7252.9/22

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.620+/-0.055 χ^2/NDF: 5575.2/28

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

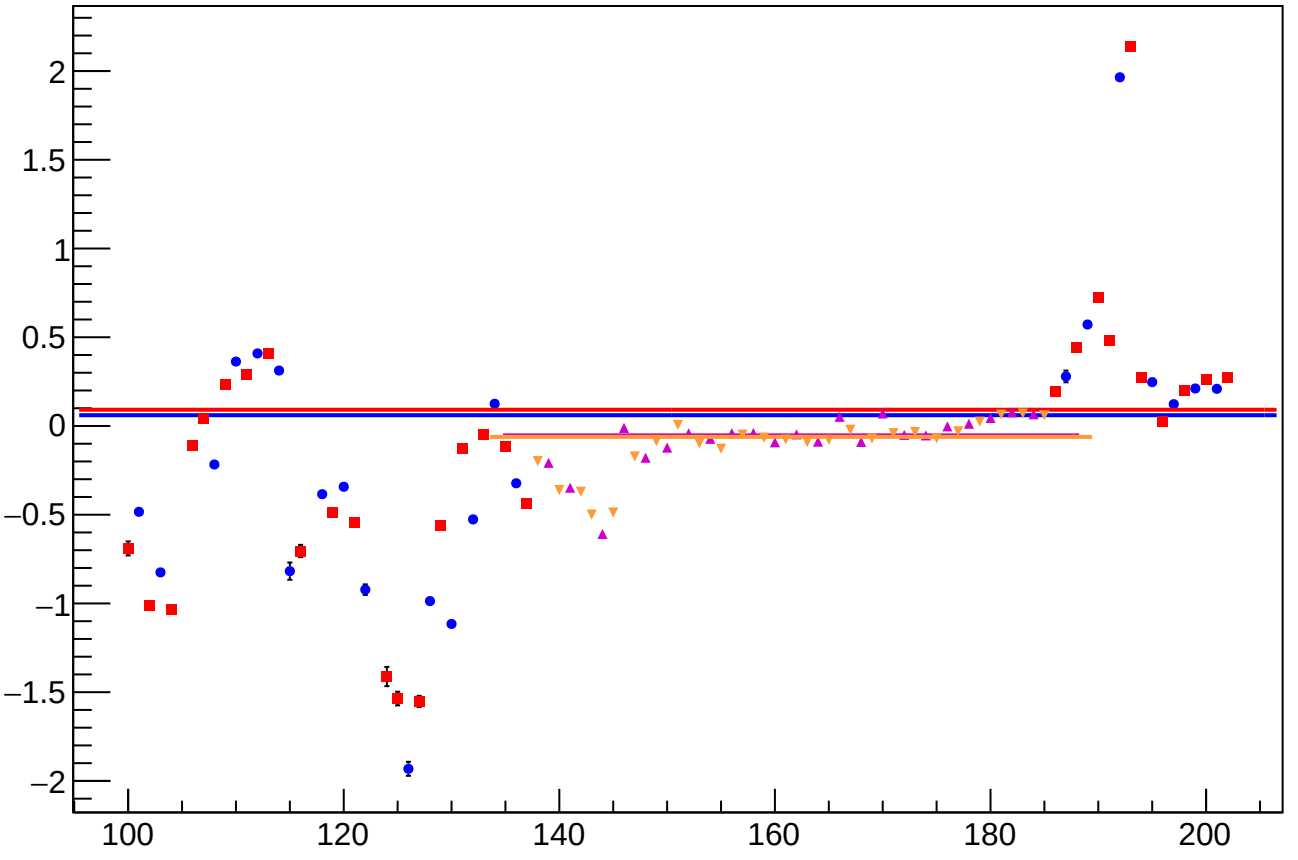
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.633+/-0.040 χ^2/NDF: 12828.2/51

In: -0.973+/-0.031 χ^2/NDF:14134.2/45

Out: -1.013+/-0.031 χ^2/NDF:12645.1/53

All: -0.993+/-0.022 χ^2/NDF: 26780.1/99



Right In: 0.061+/-0.003 χ^2/NDF: 33151.6/22

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.092+/-0.003 χ^2/NDF: 34312.7/28

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

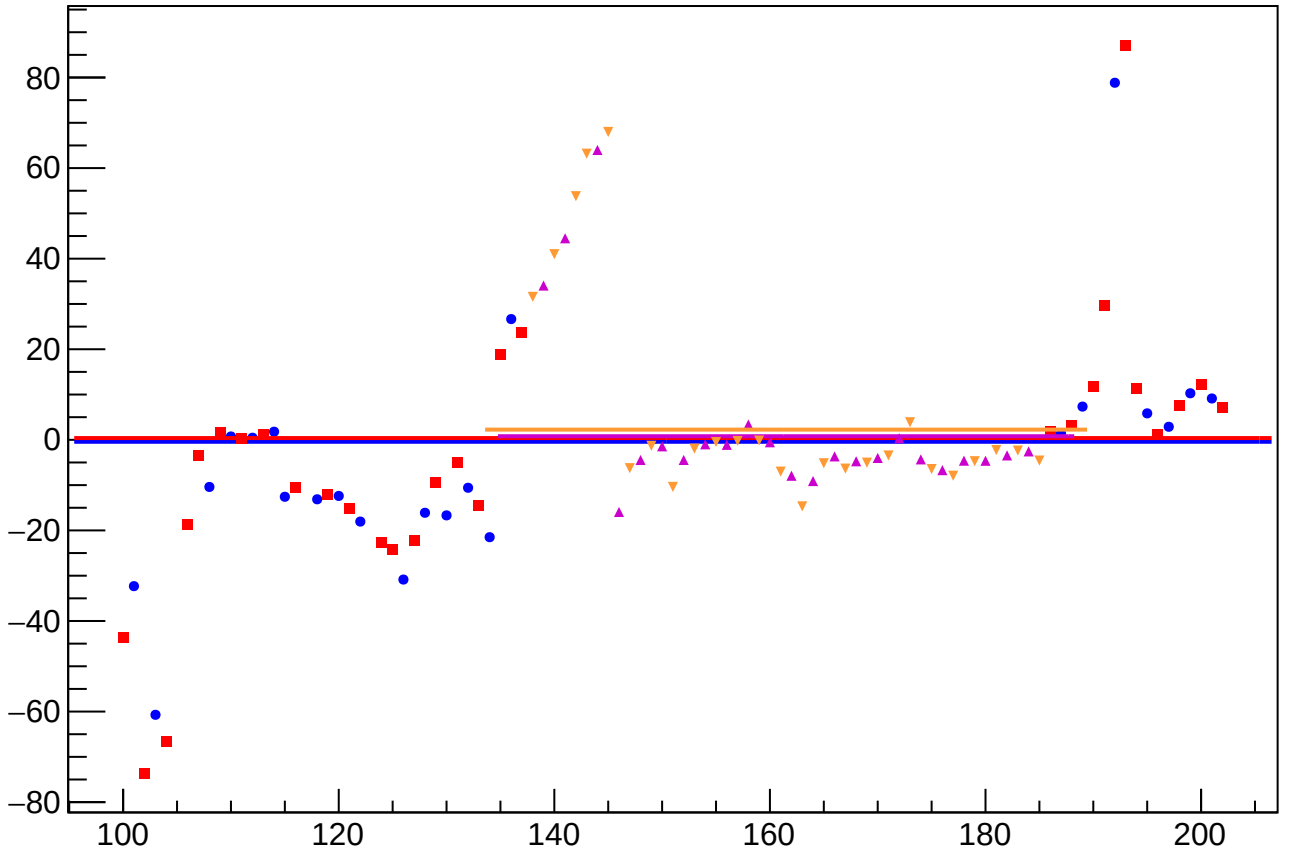
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.077+/-0.002 χ^2/NDF: 67534.0/51

In: -0.025+/-0.001 χ^2/NDF:39526.4/45

Out: -0.017+/-0.001 χ^2/NDF:42496.0/53

All: -0.021+/-0.001 χ^2/NDF: 82041.9/99



Right In: -0.429+/-0.047 χ^2/NDF: 114145.6/22

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.391+/-0.039 χ^2/NDF: 116258.8/28

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

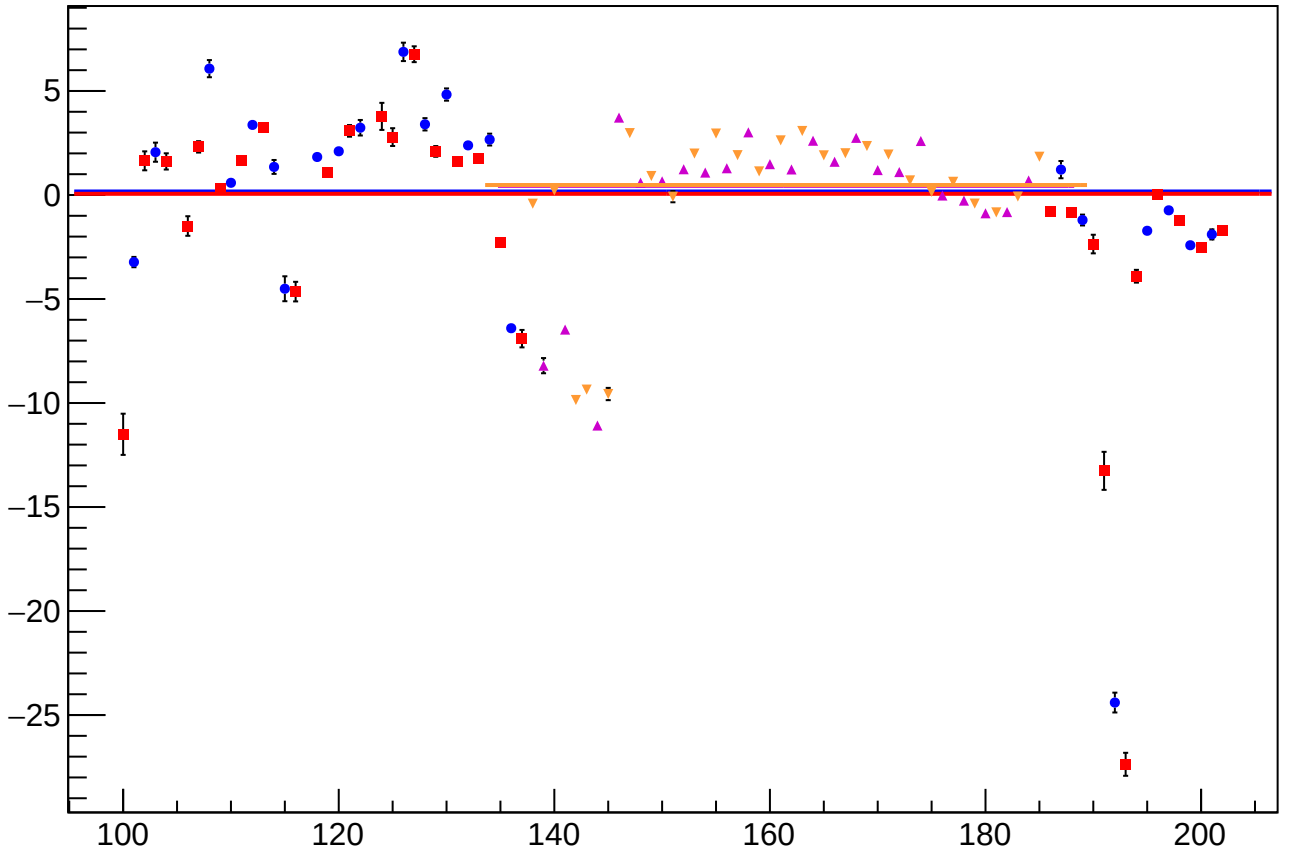
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 0.051+/-0.030 χ^2/NDF: 230585.4/51

In: 0.258+/-0.031 χ^2/NDF:243360.2/45

Out: 1.270+/-0.028 χ^2/NDF:288996.4/53

All: 0.804+/-0.021 χ^2/NDF: 532936.0/99



Right In: 0.168+/-0.051 χ^2/NDF: 5766.0/22

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.057+/-0.047 χ^2/NDF: 4958.6/28

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

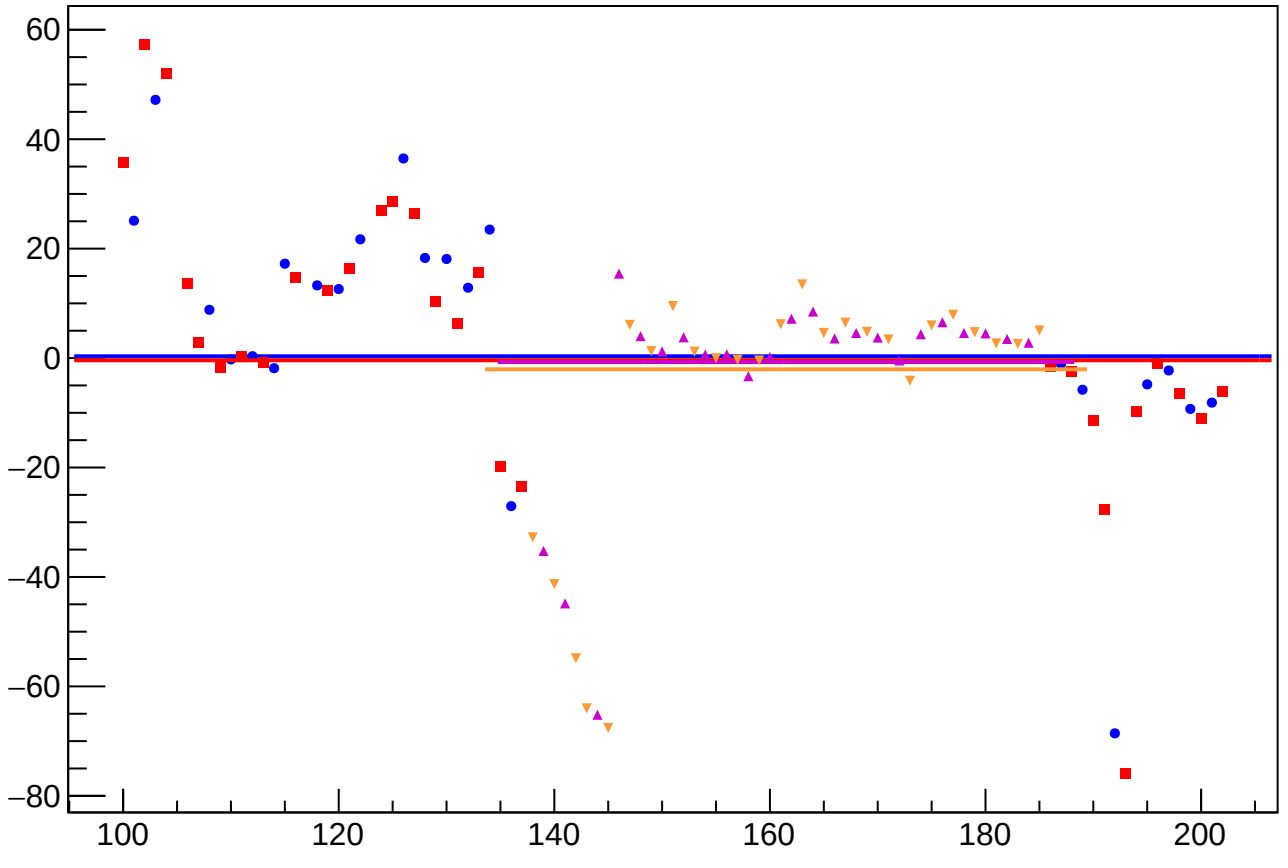
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.108+/-0.035 χ^2/NDF: 10727.1/51

In: 0.362+/-0.027 χ^2/NDF:12679.6/45

Out: 0.337+/-0.028 χ^2/NDF:11819.1/53

All: 0.350+/-0.019 χ^2/NDF: 24499.2/99



Right In: 0.327+/-0.048 χ^2/NDF: 113429.6/22

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.398+/-0.041 χ^2/NDF: 114774.3/28

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

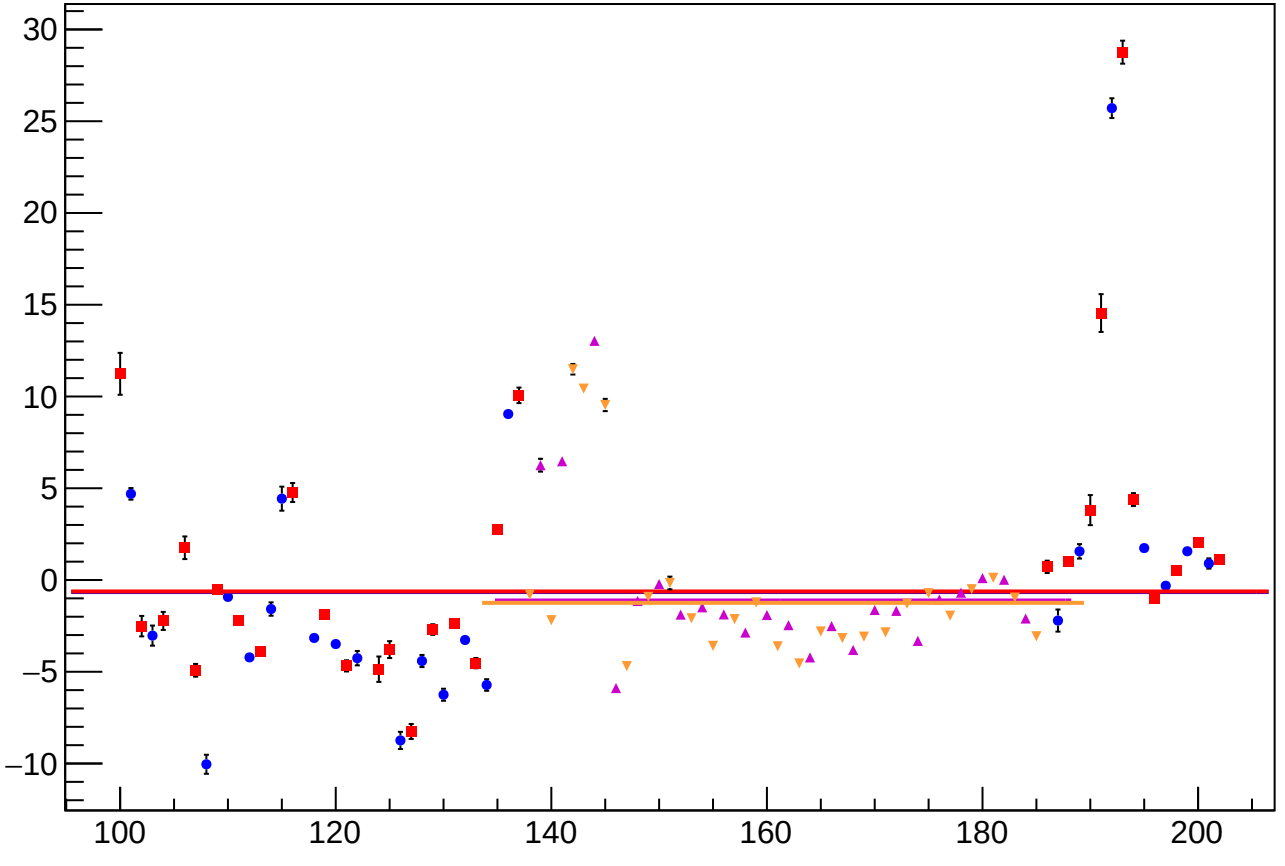
Right: -0.092+/-0.031 χ^2/NDF: 228333.8/51

In: -0.287+/-0.031 χ^2/NDF:239236.2/45

Out: -1.222+/-0.029 χ^2/NDF:281582.0/53

All: -0.782+/-0.021 χ^2/NDF: 521297.2/99

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.657+/-0.060 χ^2/NDF: 7149.1/22

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.624+/-0.056 χ^2/NDF: 5450.1/28

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

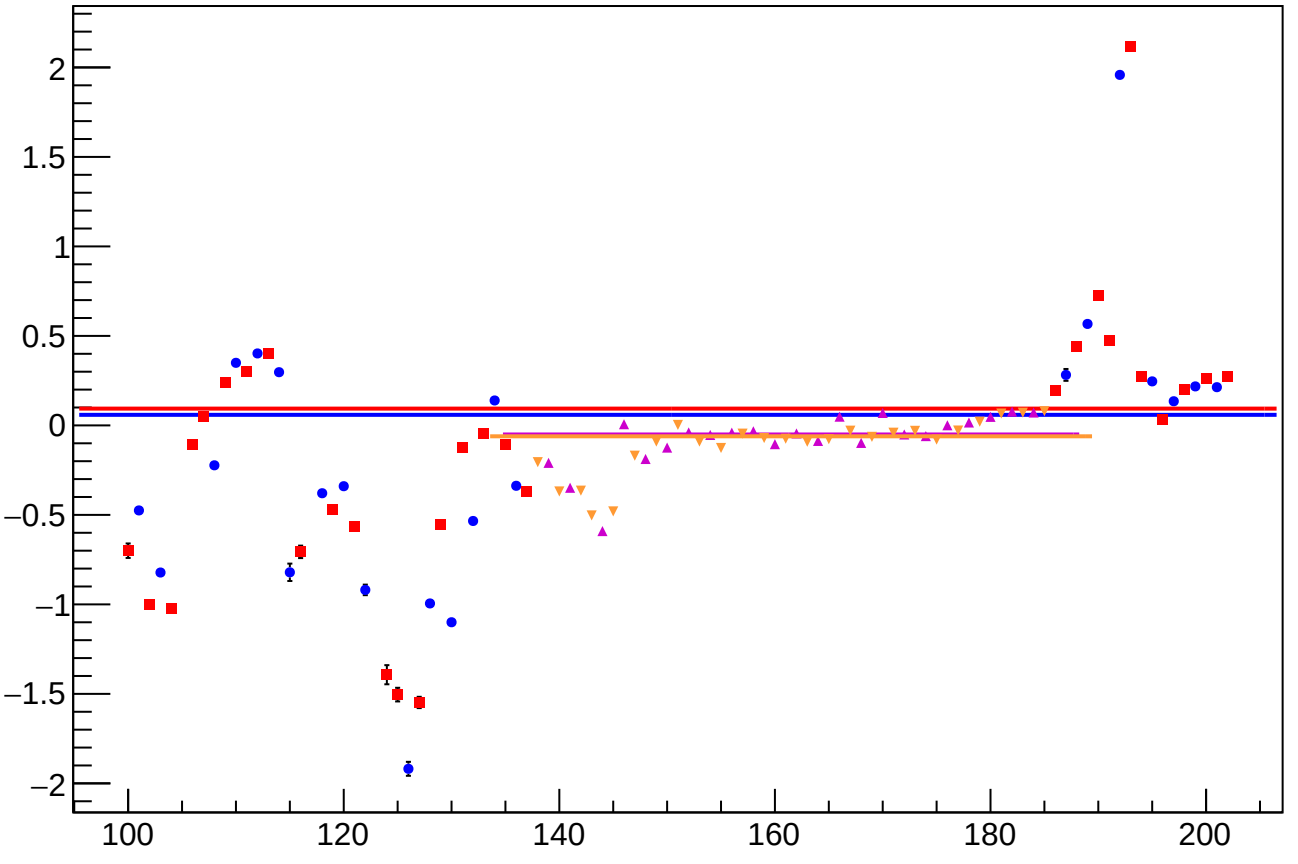
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.639+/-0.041 χ^2/NDF: 12599.4/51

In: -0.996+/-0.031 χ^2/NDF:14032.3/45

Out: -1.053+/-0.031 χ^2/NDF:12304.2/53

All: -1.024+/-0.022 χ^2/NDF: 26338.1/99



Right In: 0.059+/-0.003 χ^2/NDF: 32800.4/22

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.094+/-0.003 χ^2/NDF: 33388.5/28

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

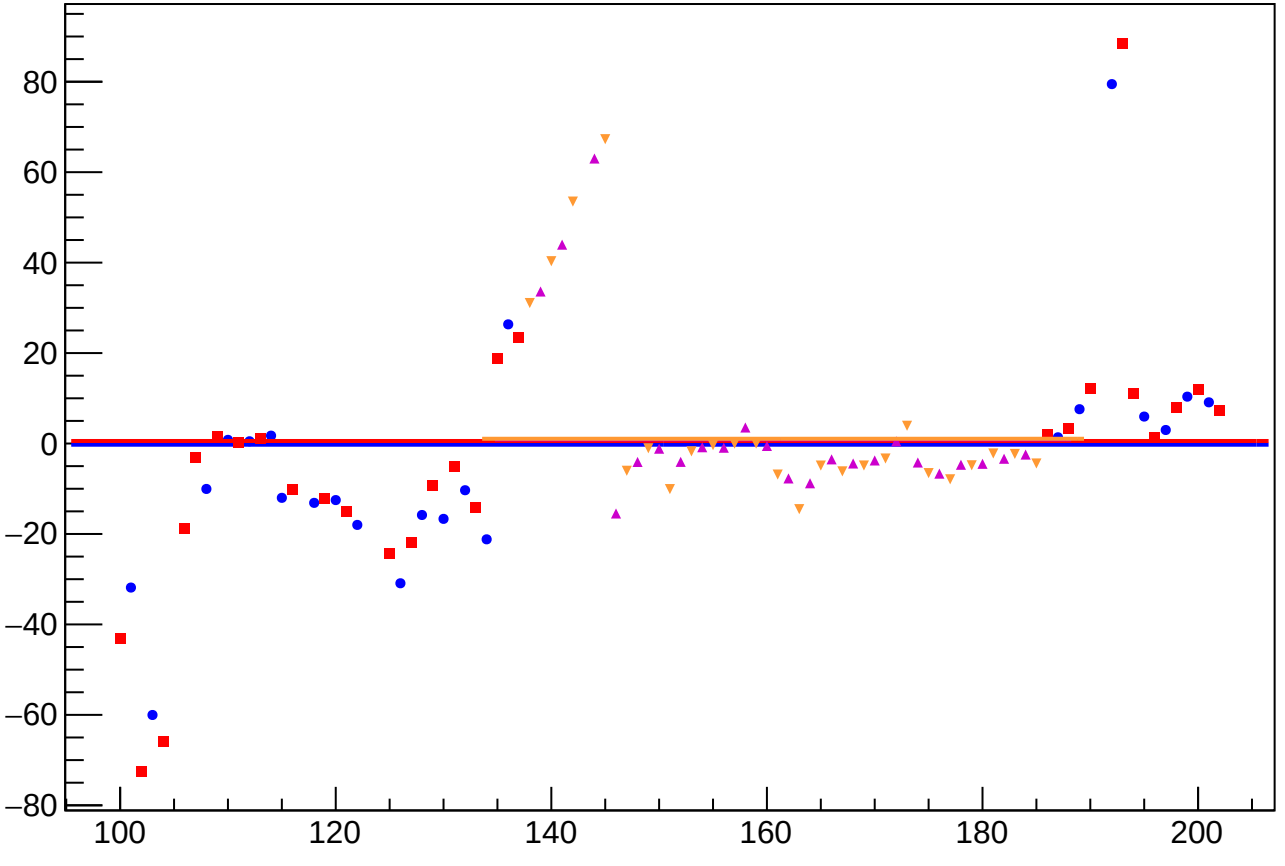
Right: 0.078+/-0.002 χ^2/NDF: 66275.3/51

In: -0.024+/-0.001 χ^2/NDF:38902.5/45

Out: -0.016+/-0.001 χ^2/NDF:41471.7/53

All: -0.020+/-0.001 χ^2/NDF: 80391.8/99

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.262+/-0.045 χ^2/NDF: 117902.4/22

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 0.560+/-0.038 χ^2/NDF: 117402.5/26

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

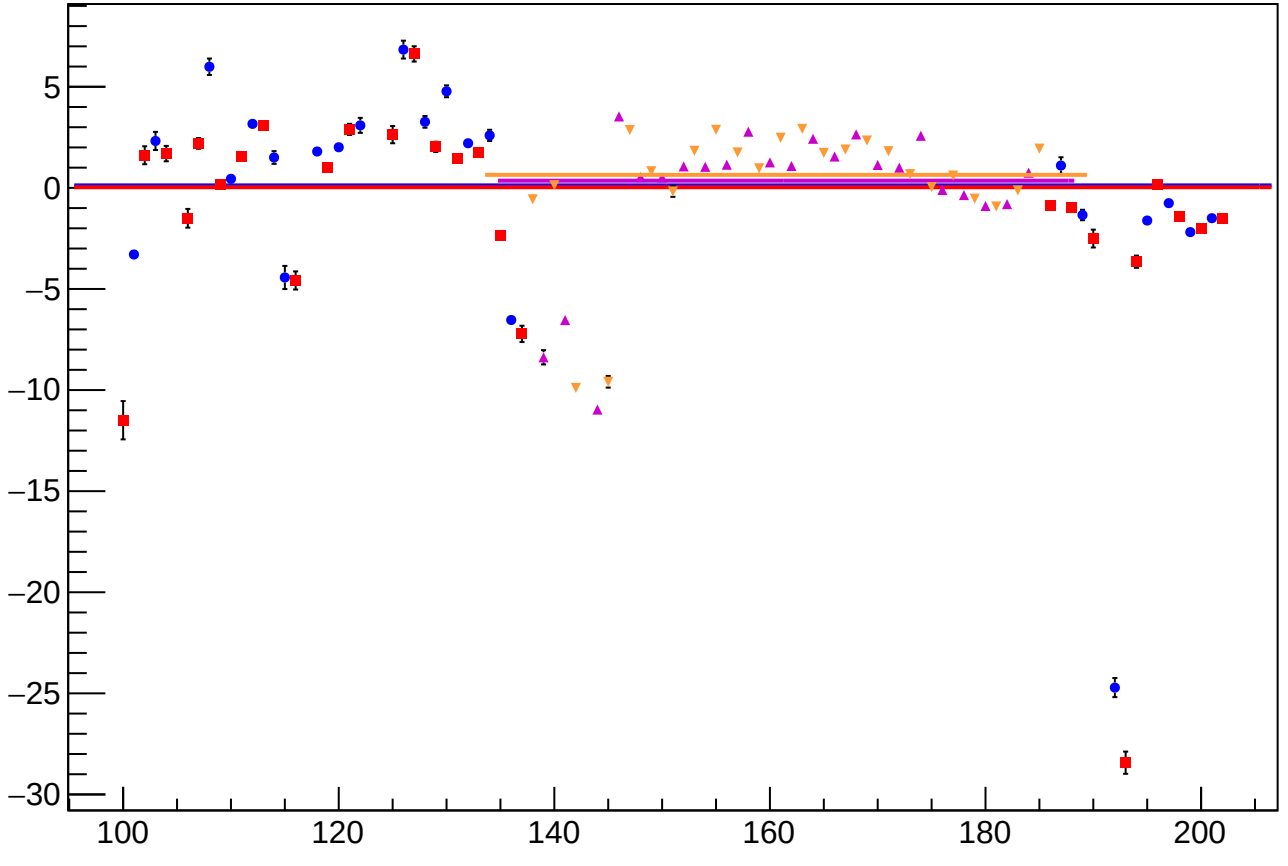
Right: 0.222+/-0.029 χ^2/NDF: 235501.1/49

In: 0.397+/-0.030 χ^2/NDF:251091.7/45

Out: 0.788+/-0.028 χ^2/NDF:248512.8/50

All: 0.608+/-0.020 χ^2/NDF: 499697.3/96

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.122+/-0.050 χ^2/NDF: 5948.7/22

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.032+/-0.046 χ^2/NDF: 4977.9/26

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

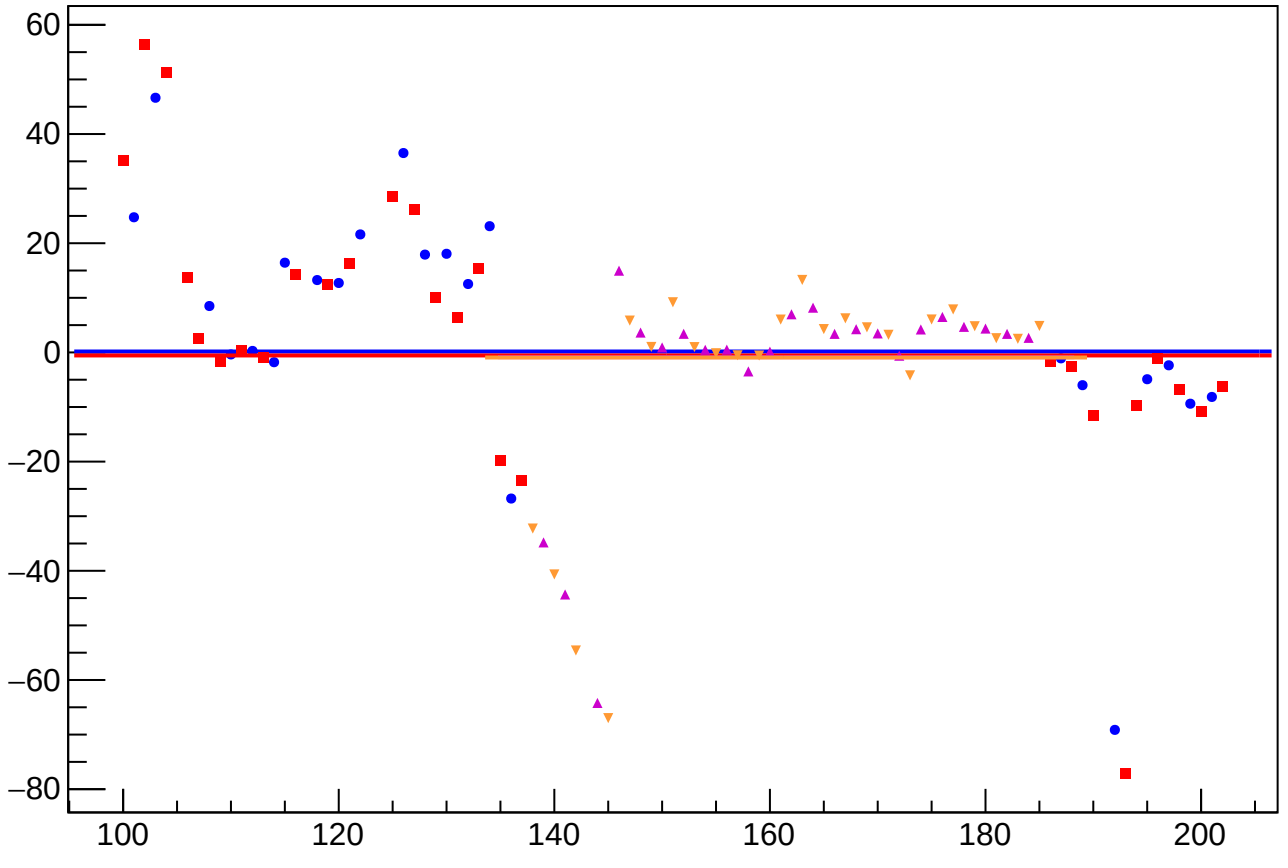
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.073+/-0.034 χ^2/NDF: 10928.3/49

In: 0.290+/-0.027 χ^2/NDF:13081.4/45

Out: 0.436+/-0.027 χ^2/NDF:9804.6/50

All: 0.361+/-0.019 χ^2/NDF: 22900.9/96



Right In: 0.167+/-0.047 χ^2/NDF: 117156.8/22

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -0.557+/-0.040 χ^2/NDF: 115972.1/26

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

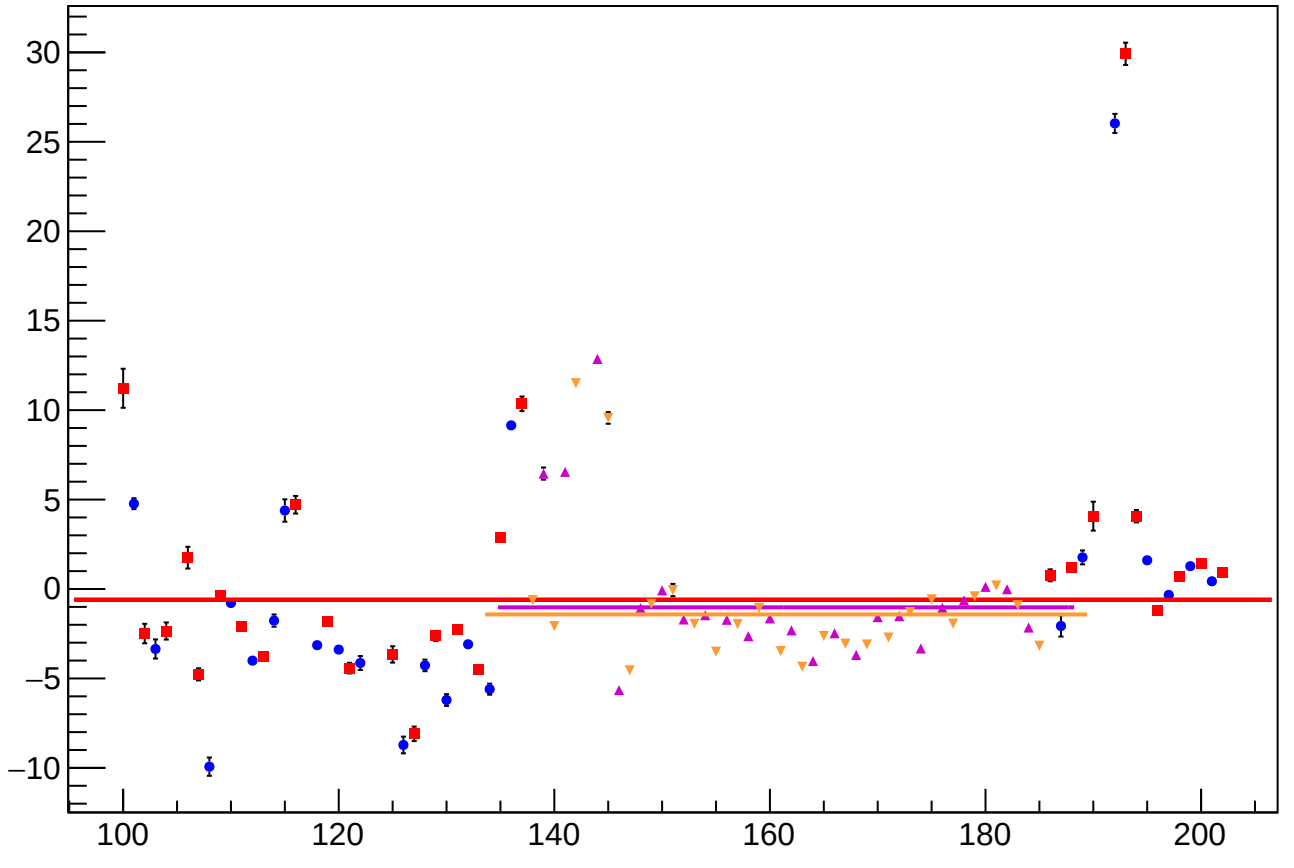
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -0.251+/-0.031 χ^2/NDF: 233266.2/49

In: -0.438+/-0.030 χ^2/NDF:246923.8/45

Out: -0.741+/-0.029 χ^2/NDF:242393.3/50

All: -0.598+/-0.021 χ^2/NDF: 489370.5/96



Right In: -0.605+/-0.059 χ^2/NDF: 7427.3/22

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.591+/-0.054 χ^2/NDF: 5500.9/26

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

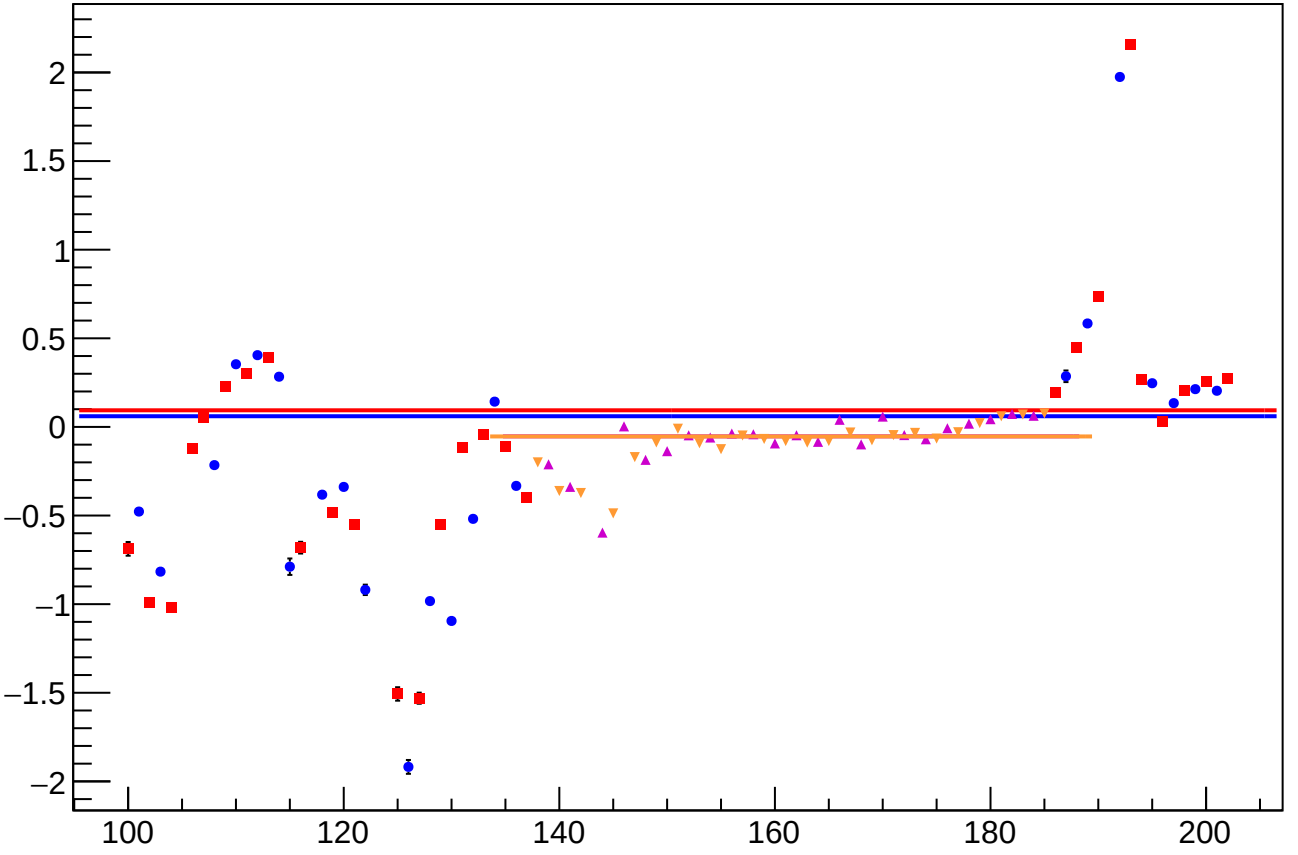
Right: -0.598+/-0.040 χ^2/NDF: 12928.2/49

In: -0.917+/-0.030 χ^2/NDF:14512.5/45

Out: -1.160+/-0.030 χ^2/NDF:10303.5/50

All: -1.036+/-0.021 χ^2/NDF: 24848.7/96

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.060+/-0.003 χ^2/NDF: 33920.1/22

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.094+/-0.002 χ^2/NDF: 33837.6/26

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

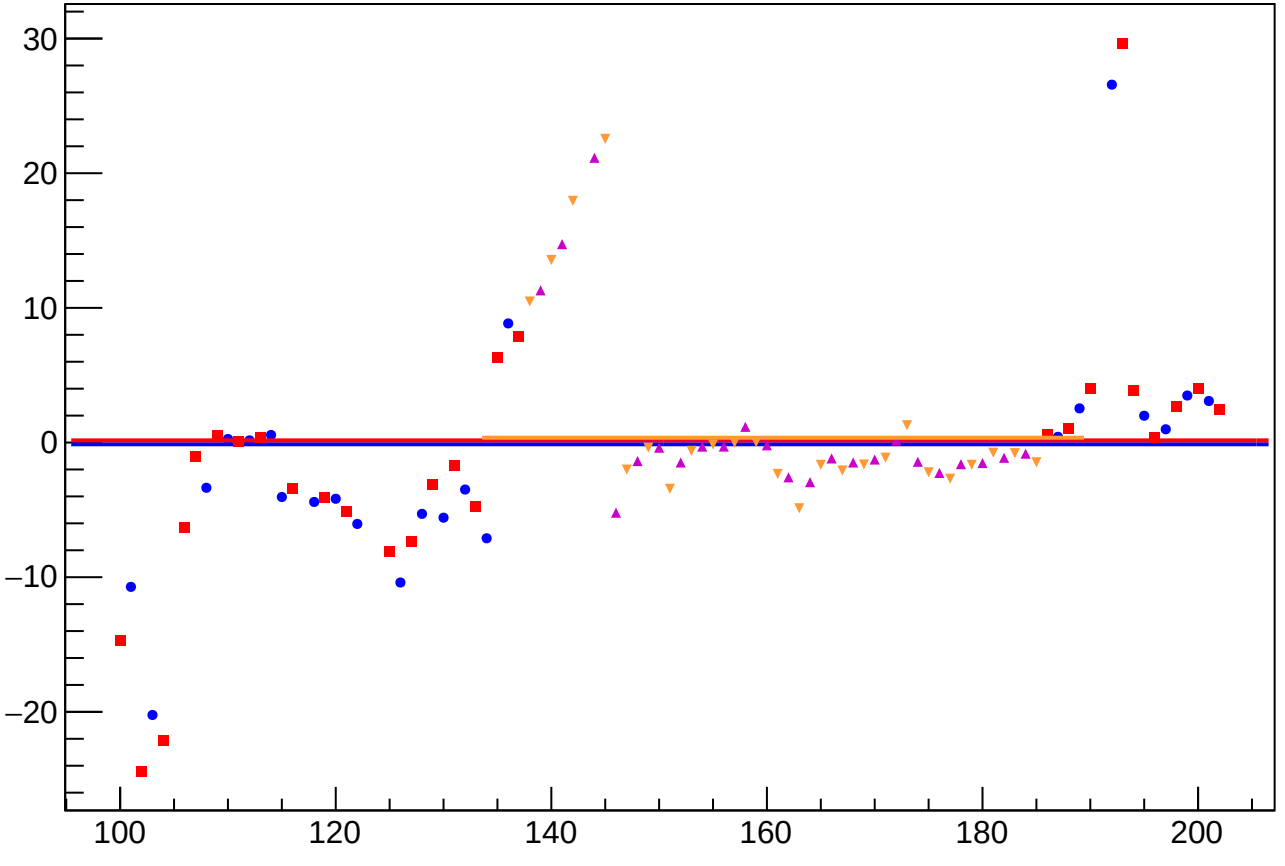
Right: 0.078+/-0.002 χ^2/NDF: 67842.4/49

In: -0.026+/-0.001 χ^2/NDF:40316.4/45

Out: -0.011+/-0.001 χ^2/NDF:40664.4/50

All: -0.019+/-0.001 χ^2/NDF: 81047.2/96

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.130+/-0.015 χ^2/NDF: 115819.5/22

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.161+/-0.013 χ^2/NDF: 115589.1/26

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

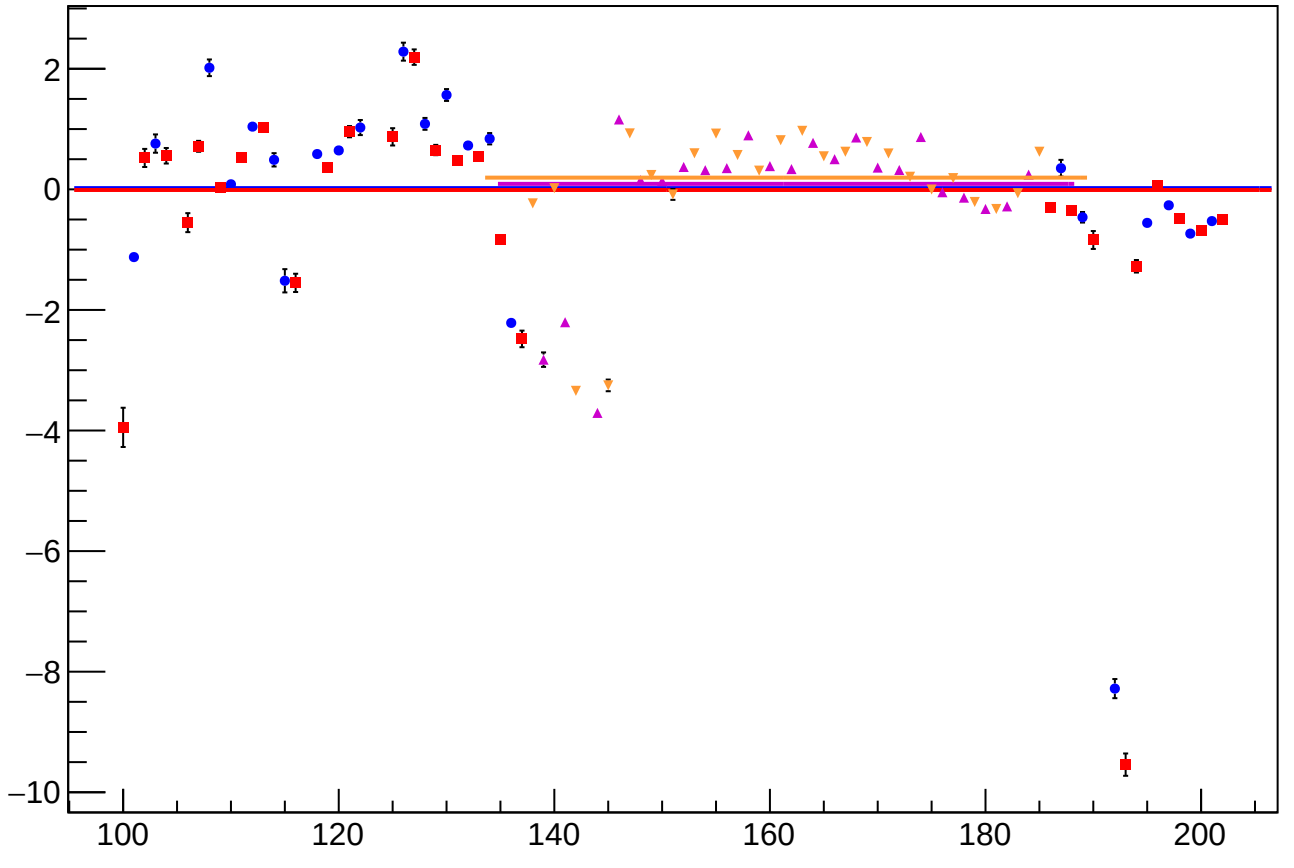
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.041+/-0.010 χ^2/NDF: 231614.7/49

In: 0.122+/-0.010 χ^2/NDF:246512.5/45

Out: 0.253+/-0.009 χ^2/NDF:244527.4/50

All: 0.193+/-0.007 χ^2/NDF: 491128.5/96



Right In: 0.020+/-0.017 χ^2/NDF: 5819.5/22

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: -0.010+/-0.016 χ^2/NDF: 4884.6/26

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

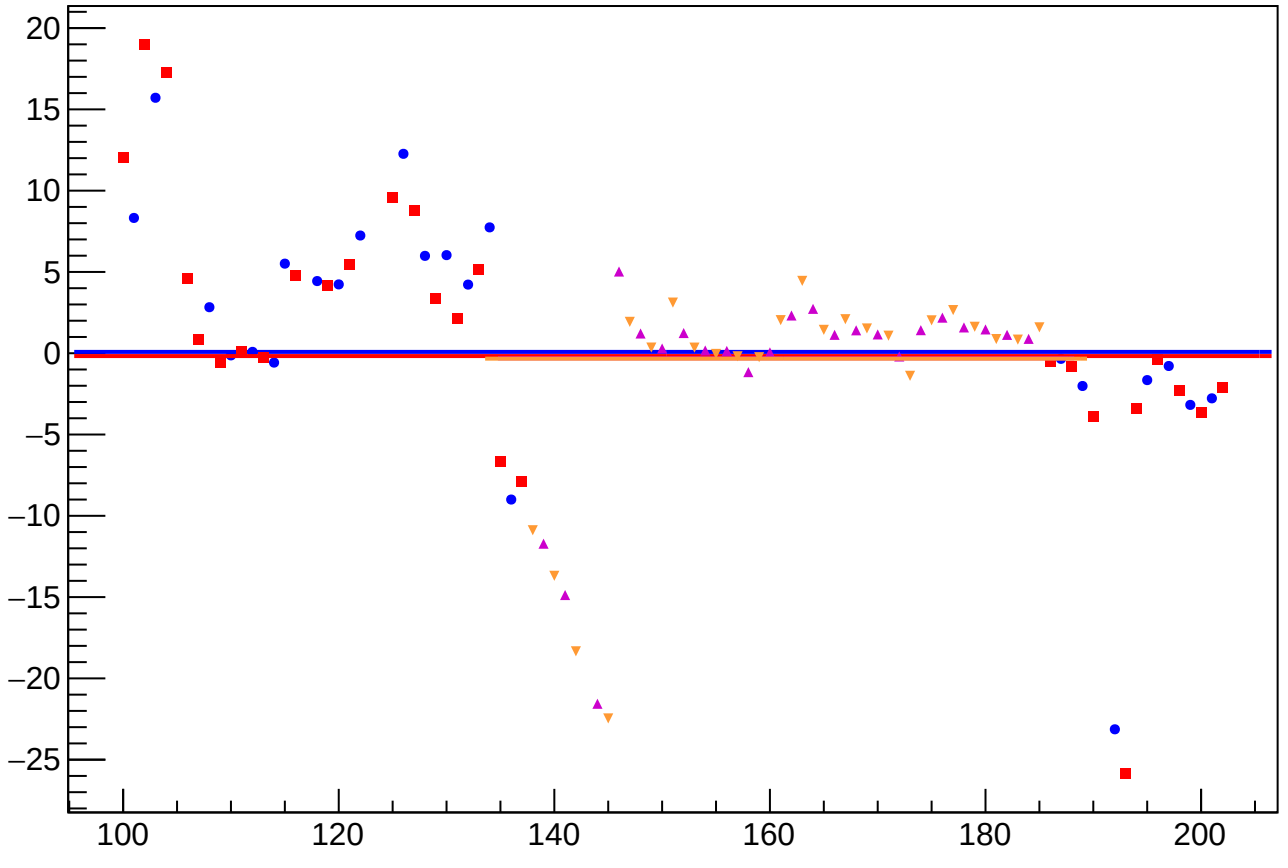
Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

Right: 0.004+/-0.012 χ^2/NDF: 10705.8/49

In: 0.071+/-0.009 χ^2/NDF:12768.2/45

Out: 0.125+/-0.009 χ^2/NDF:9639.9/50

All: 0.098+/-0.006 χ^2/NDF: 22425.5/96



Right In: 0.083+/-0.016 χ^2/NDF: 115109.1/22

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.174+/-0.014 χ^2/NDF: 114207.6/26

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

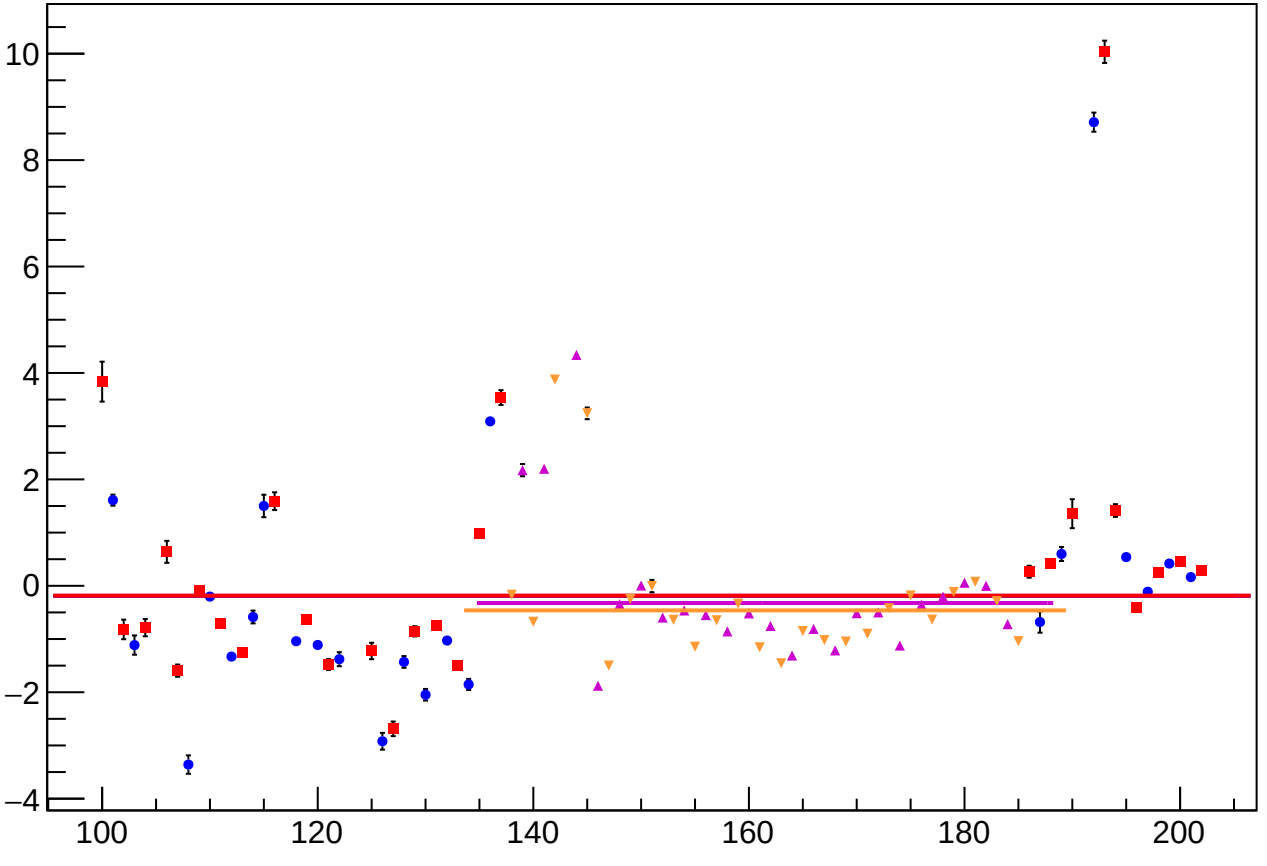
Right: -0.066+/-0.010 χ^2/NDF: 229464.1/49

In: -0.151+/-0.010 χ^2/NDF:242465.4/45

Out: -0.253+/-0.010 χ^2/NDF:238506.5/50

All: -0.205+/-0.007 χ^2/NDF: 481023.3/96

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.189+/-0.020 χ^2/NDF: 7270.1/22

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.186+/-0.019 χ^2/NDF: 5405.9/26

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

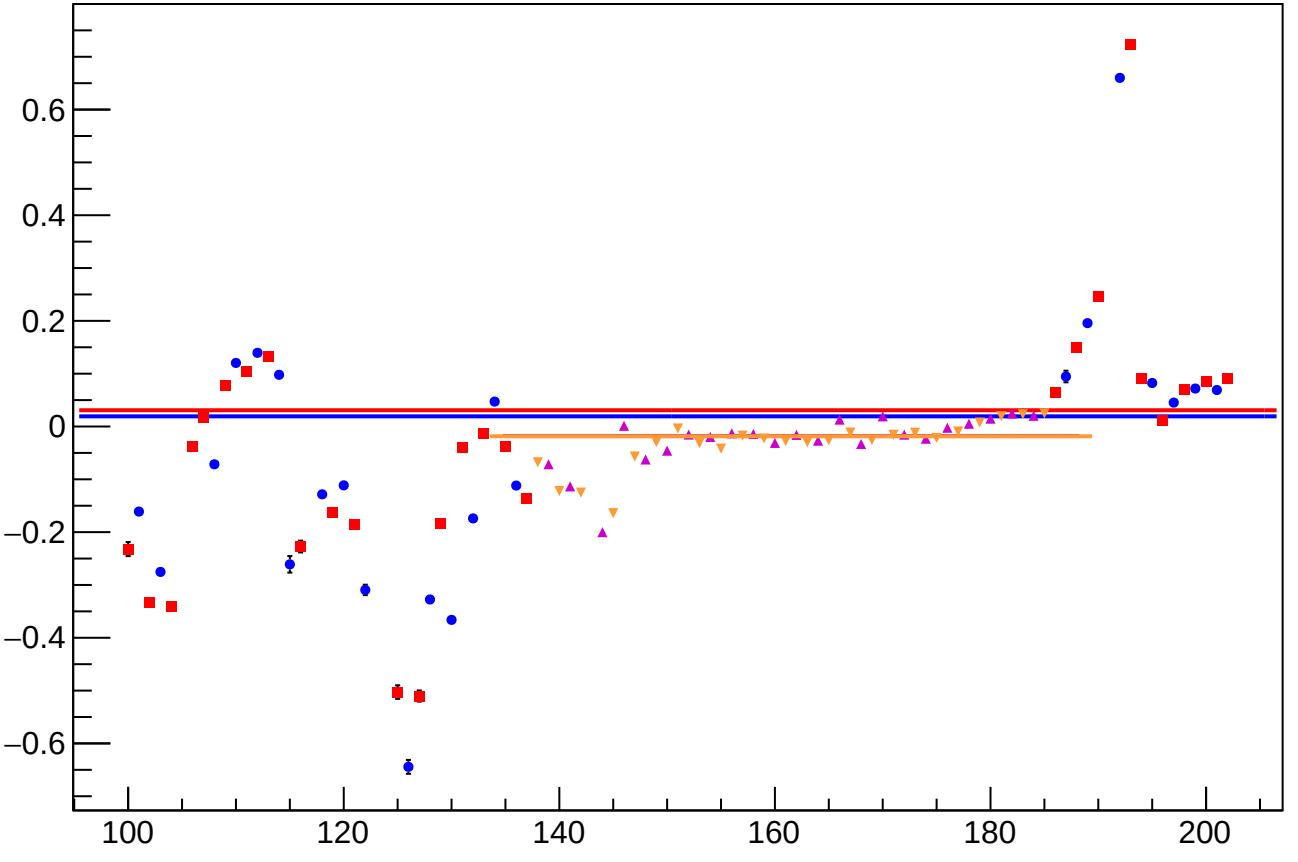
Right: -0.187+/-0.014 χ^2/NDF: 12676.0/49

In: -0.288+/-0.010 χ^2/NDF:14184.9/45

Out: -0.376+/-0.010 χ^2/NDF:10137.2/50

All: -0.331+/-0.007 χ^2/NDF: 24358.1/96

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.019+/-0.001 χ^2/NDF: 33343.9/22

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.031+/-0.001 χ^2/NDF: 33219.0/26

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

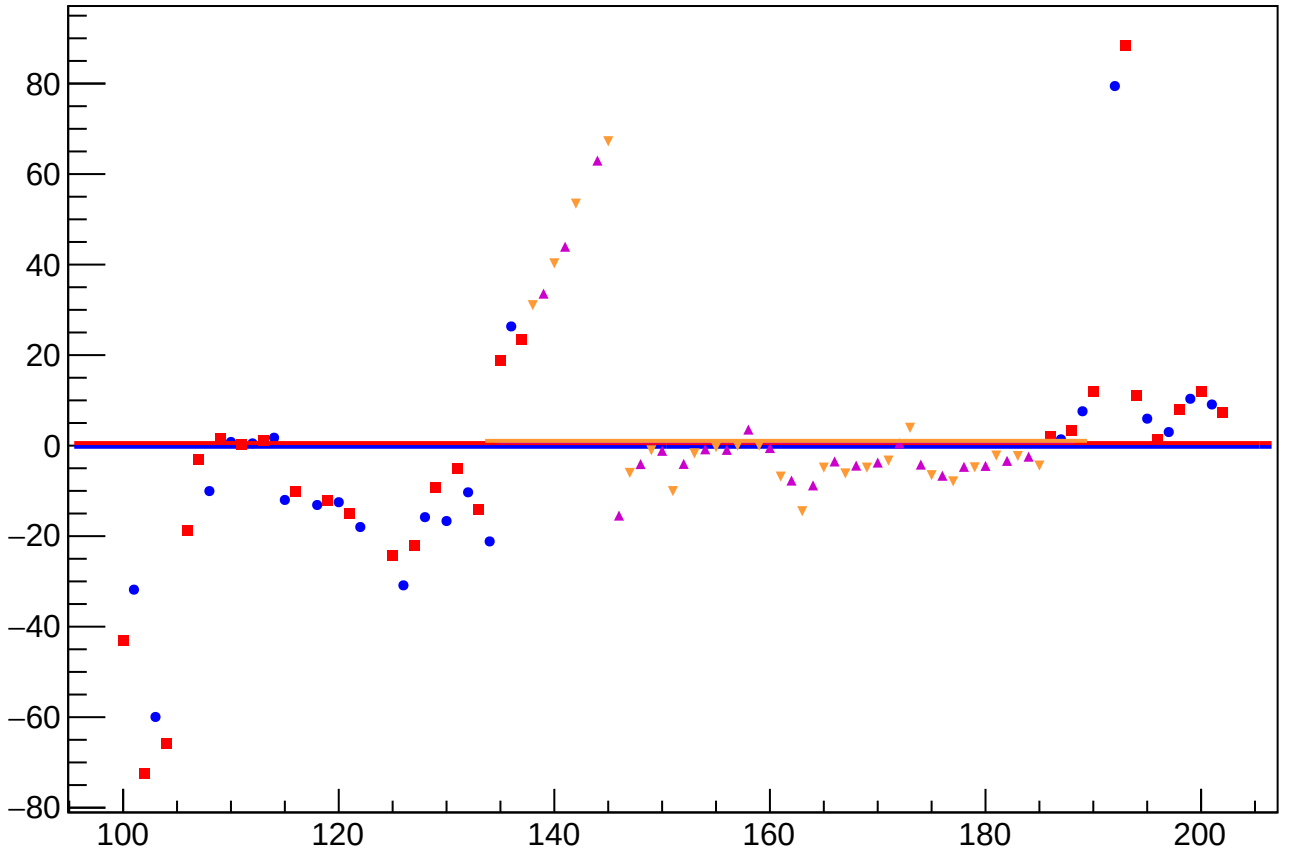
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: 0.025+/-0.001 χ^2/NDF: 66648.3/49

In: -0.009+/-0.000 χ^2/NDF:39488.5/45

Out: -0.004+/-0.000 χ^2/NDF:39806.7/50

All: -0.007+/-0.000 χ^2/NDF: 79351.8/96



Right In: -0.254+/-0.045 χ^2/NDF: 117926.1/22

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 0.565+/-0.038 χ^2/NDF: 117419.3/26

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

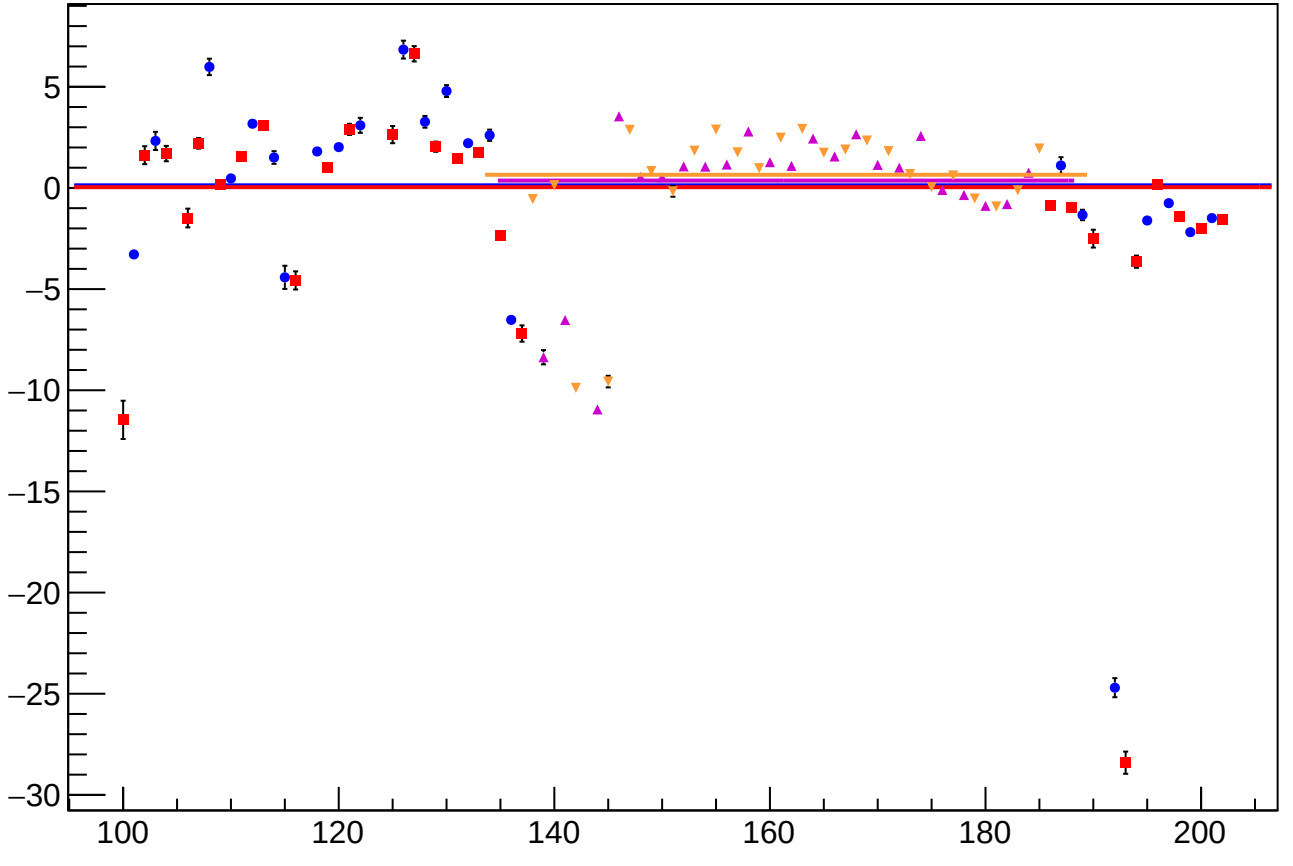
Right: 0.228+/-0.029 χ^2/NDF: 235540.4/49

In: 0.402+/-0.030 χ^2/NDF:251121.7/45

Out: 0.793+/-0.028 χ^2/NDF:248509.3/50

All: 0.612+/-0.020 χ^2/NDF: 499723.6/96

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.130+/-0.050 χ^2/NDF: 5952.8/22

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.038+/-0.046 χ^2/NDF: 4979.4/26

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

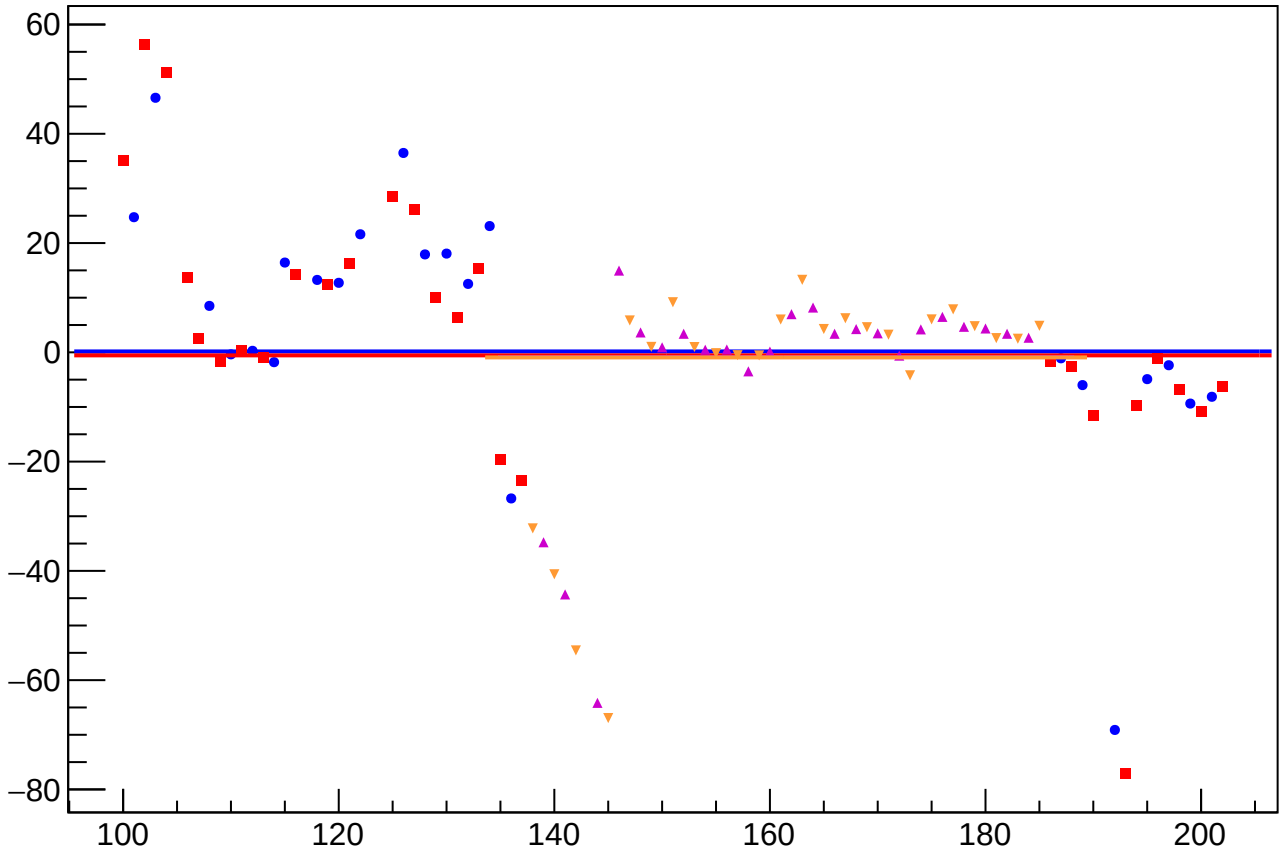
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.080+/-0.034 χ^2/NDF: 10934.0/49

In: 0.298+/-0.027 χ^2/NDF:13091.1/45

Out: 0.443+/-0.027 χ^2/NDF:9804.6/50

All: 0.369+/-0.019 χ^2/NDF: 22910.3/96



Right In: 0.164+/-0.047 χ^2/NDF: 117177.8/22

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -0.556+/-0.040 χ^2/NDF: 115984.8/26

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

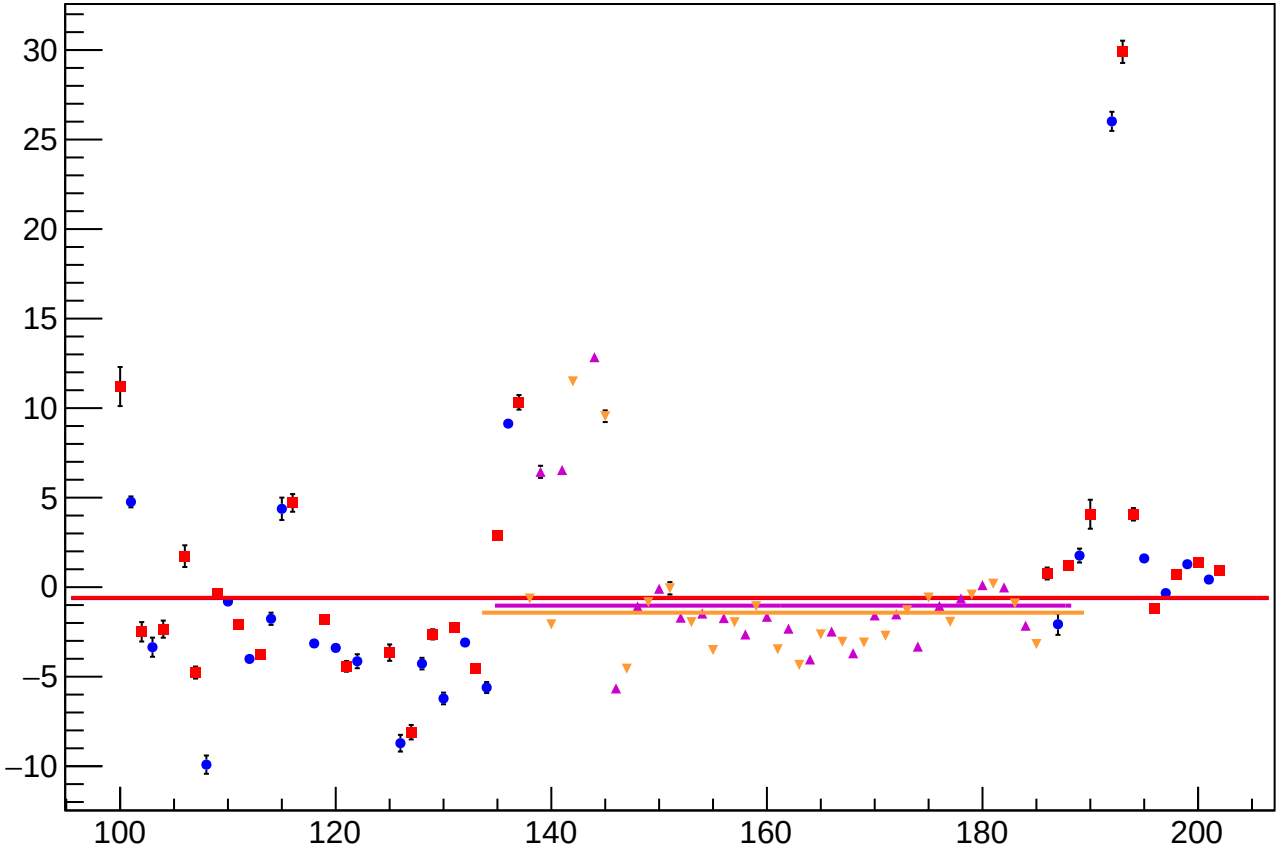
Right: -0.252+/-0.030 χ^2/NDF: 233299.0/49

In: -0.437+/-0.030 χ^2/NDF:246948.2/45

Out: -0.740+/-0.028 χ^2/NDF:242387.2/50

All: -0.597+/-0.021 χ^2/NDF: 489388.8/96

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.611+/-0.059 χ^2/NDF: 7430.5/22

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.594+/-0.054 χ^2/NDF: 5500.8/26

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

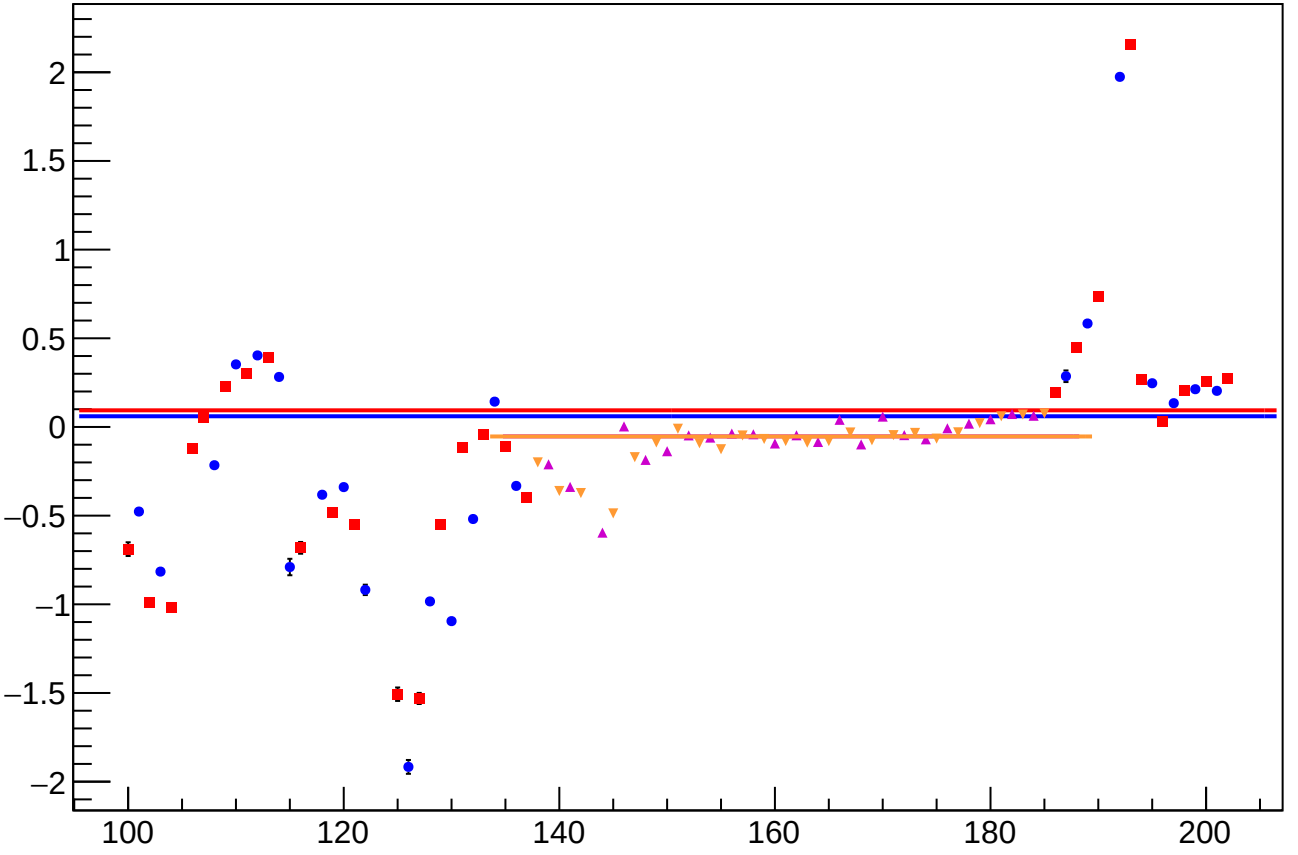
Right: -0.602+/-0.040 χ^2/NDF: 12931.3/49

In: -0.922+/-0.030 χ^2/NDF:14520.2/45

Out: -1.164+/-0.030 χ^2/NDF:10301.8/50

All: -1.041+/-0.021 χ^2/NDF: 24854.3/96

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.060+/-0.003 χ^2/NDF: 33927.8/22

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.094+/-0.002 χ^2/NDF: 33851.7/26

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

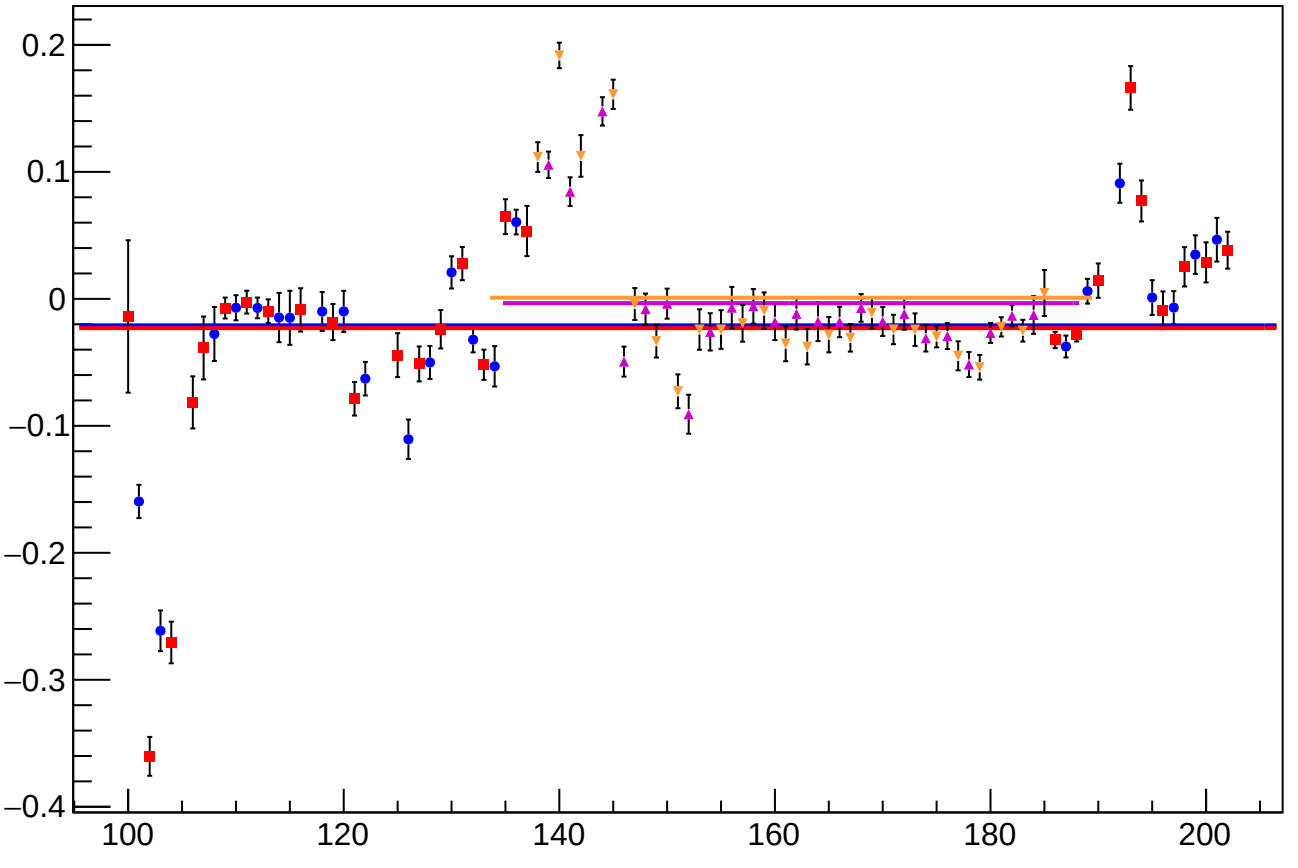
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.078+/-0.002 χ^2/NDF: 67864.5/49

In: -0.026+/-0.001 χ^2/NDF:40330.4/45

Out: -0.011+/-0.001 χ^2/NDF:40681.2/50

All: -0.019+/-0.001 χ^2/NDF: 81078.8/96



Right In: -0.021+/-0.003 χ^2/NDF: 575.3/22

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.023+/-0.002 χ^2/NDF: 1043.0/26

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

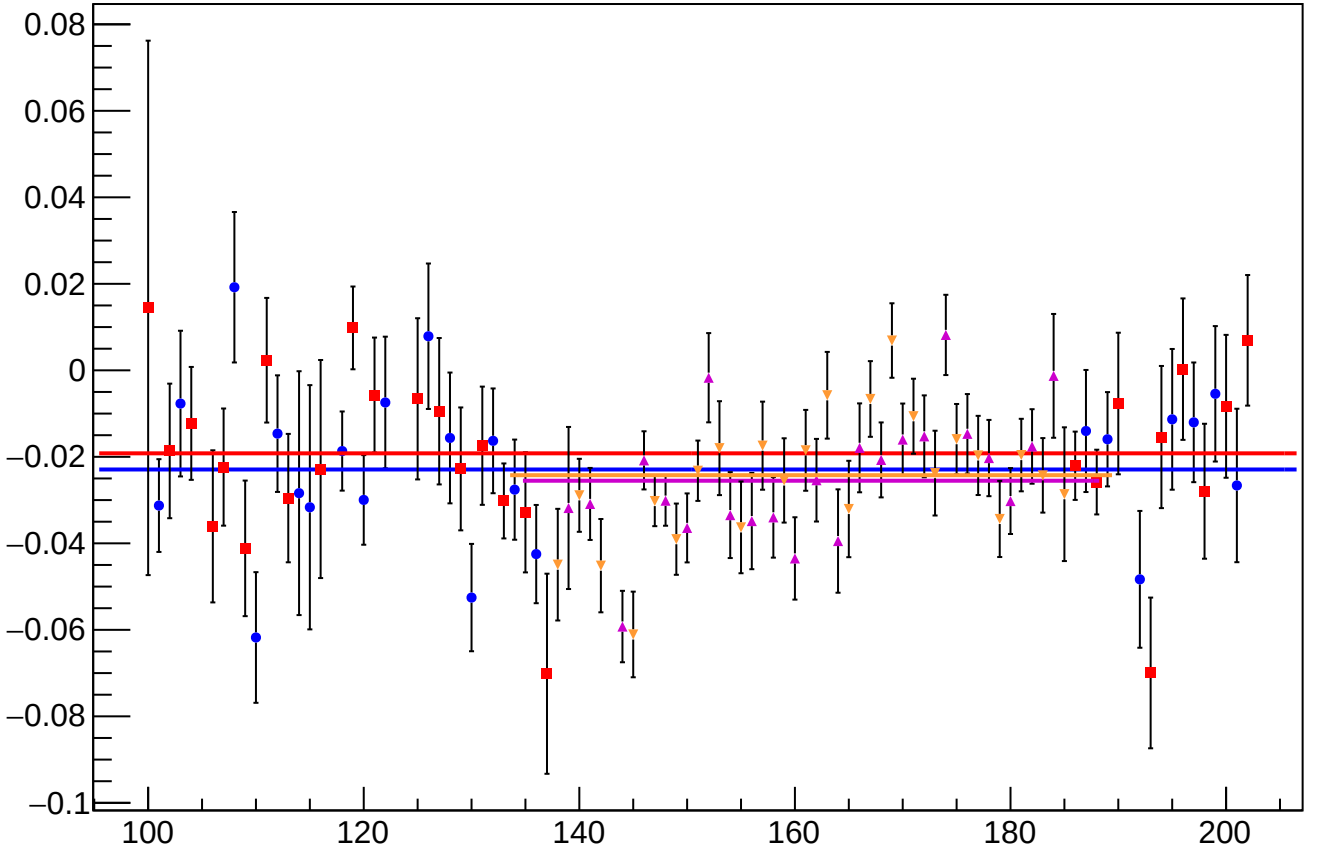
Right: -0.022+/-0.002 χ^2/NDF: 1618.7/49

In: -0.011+/-0.002 χ^2/NDF:1057.1/45

Out: -0.012+/-0.002 χ^2/NDF:1944.7/50

All: -0.011+/-0.001 χ^2/NDF: 3001.8/96

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.003 χ^2/NDF: 34.6/22

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.019+/-0.003 χ^2/NDF: 39.9/26

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

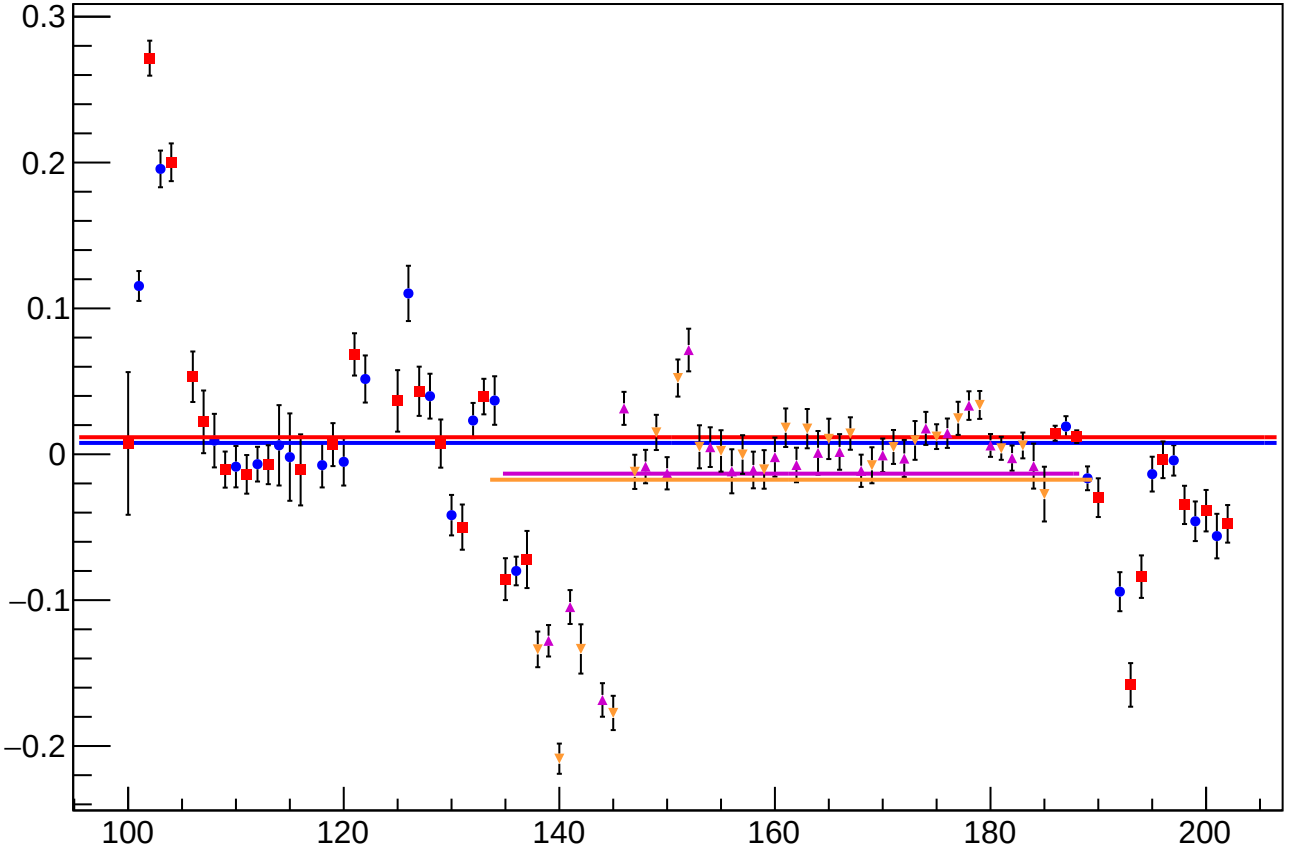
Right: -0.021+/-0.002 χ^2/NDF: 75.5/49

In: -0.025+/-0.002 χ^2/NDF:90.2/45

Out: -0.023+/-0.002 χ^2/NDF:96.2/50

All: -0.024+/-0.001 χ^2/NDF: 187.4/96

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.008+/-0.003 χ^2/NDF: 583.3/22

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.012+/-0.002 χ^2/NDF: 1033.0/26

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

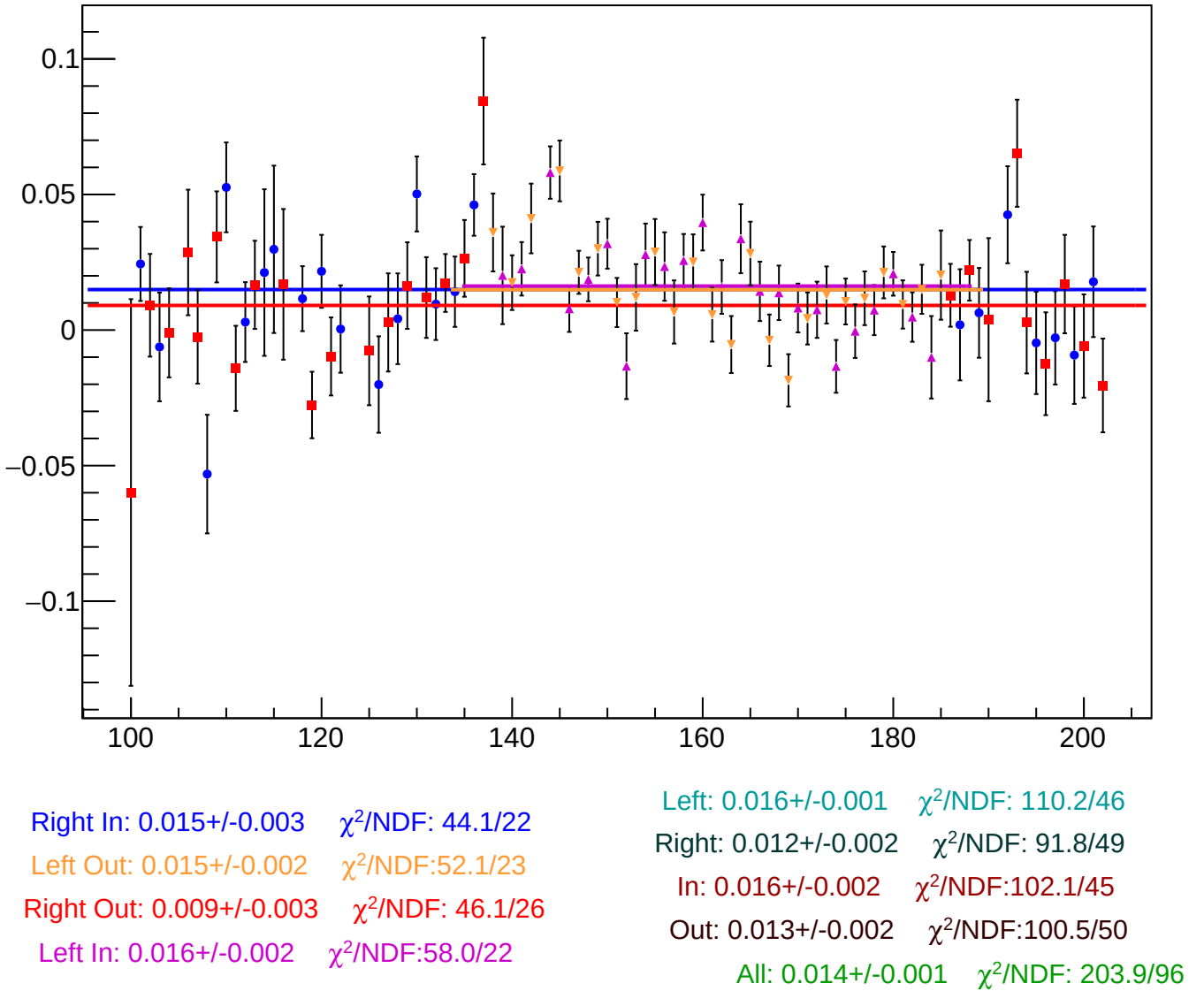
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

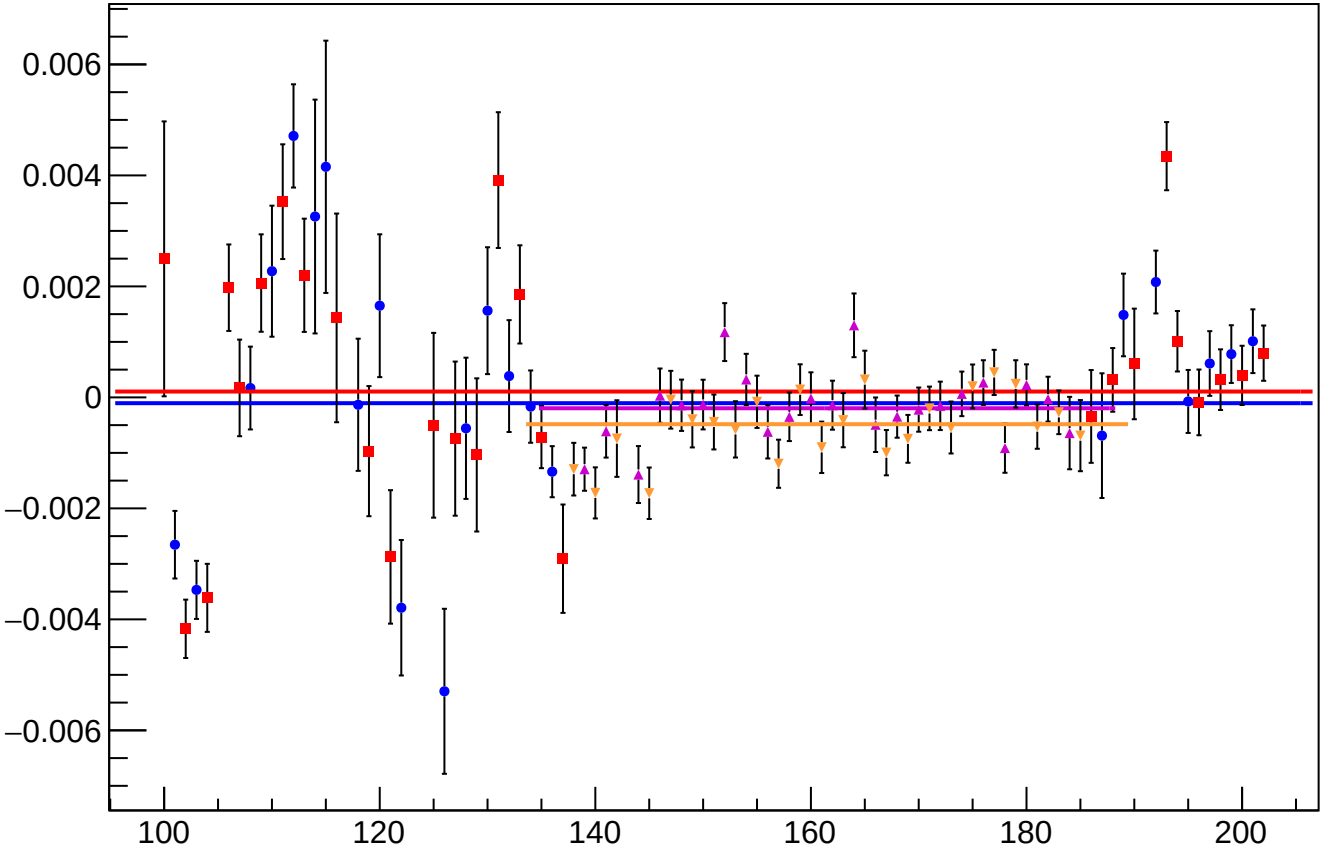
Right: 0.010+/-0.002 χ^2/NDF: 1617.6/49

In: -0.004+/-0.002 χ^2/NDF:1077.2/45

Out: -0.002+/-0.002 χ^2/NDF:1925.5/50

All: -0.003+/-0.001 χ^2/NDF: 3003.3/96


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.015+/-0.003 χ²/NDF: 44.1/22
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.009+/-0.003 χ²/NDF: 46.1/26
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.012+/-0.002 χ²/NDF: 91.8/49
In: 0.016+/-0.002 χ²/NDF:102.1/45
Out: 0.013+/-0.002 χ²/NDF:100.5/50
All: 0.014+/-0.001 χ²/NDF: 203.9/96



Right In: -0.000+/-0.000 χ^2/NDF: 156.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 217.3/26

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

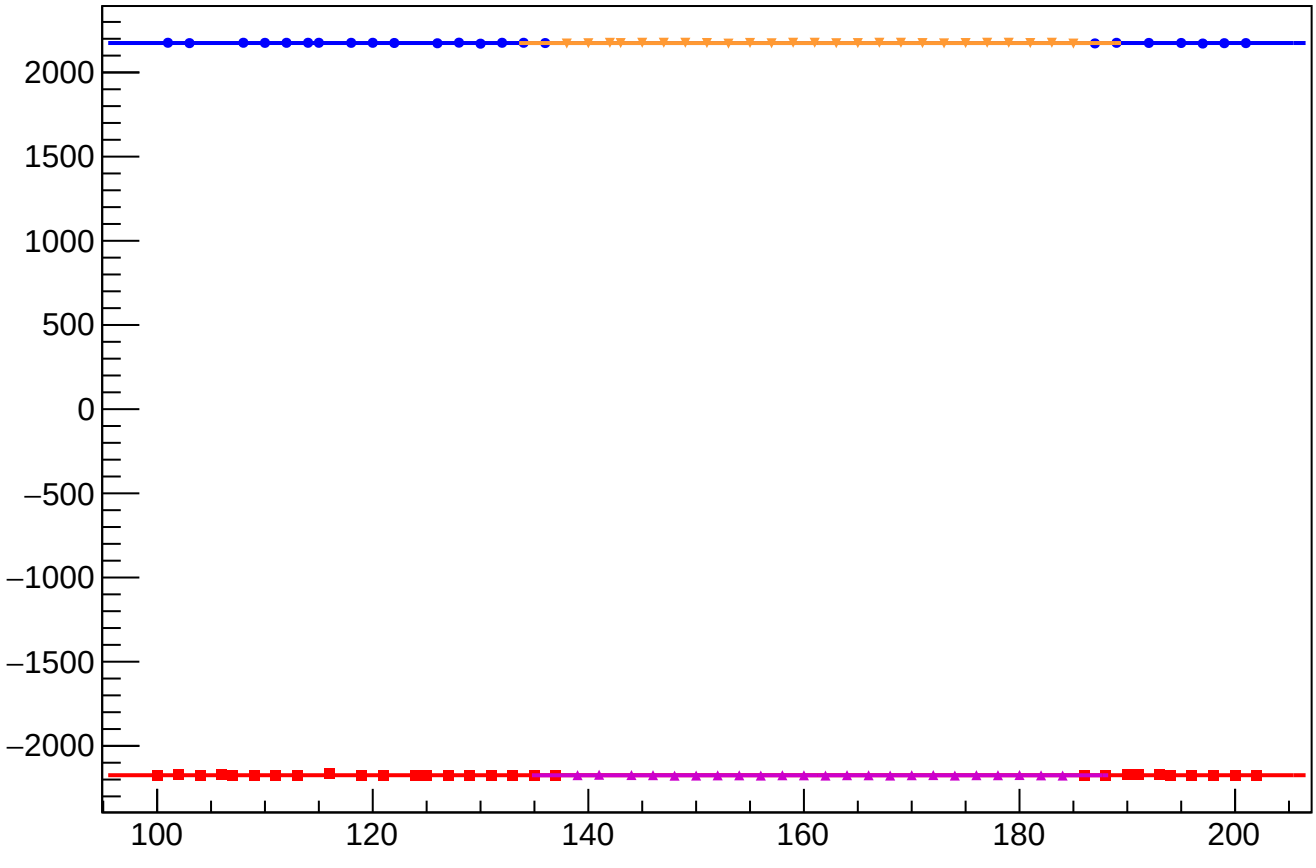
Right: 0.000+/-0.000 χ^2/NDF: 374.9/49

In: -0.000+/-0.000 χ^2/NDF:194.1/45

Out: -0.000+/-0.000 χ^2/NDF:269.7/50

All: -0.000+/-0.000 χ^2/NDF: 465.3/96

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.772+/-0.000 χ^2/NDF: 3036518937911583723239695586426880.0/22

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120/24

Right Out: -2174.229+/-0.000 χ^2/NDF: 969562383877263772517836619199283 2.0/28

Left In: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

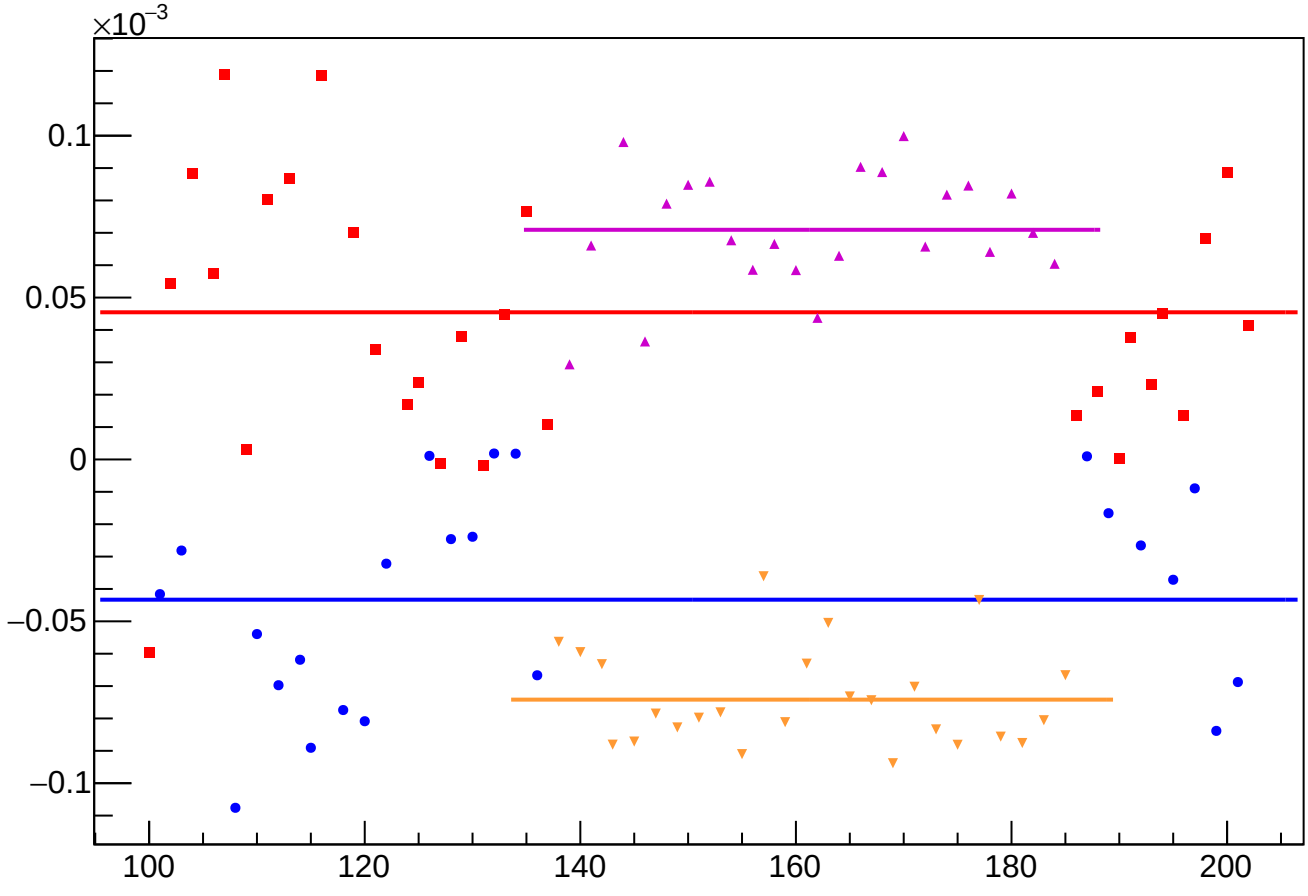
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -173.436+/-0.000 χ^2/NDF: 12939072768902

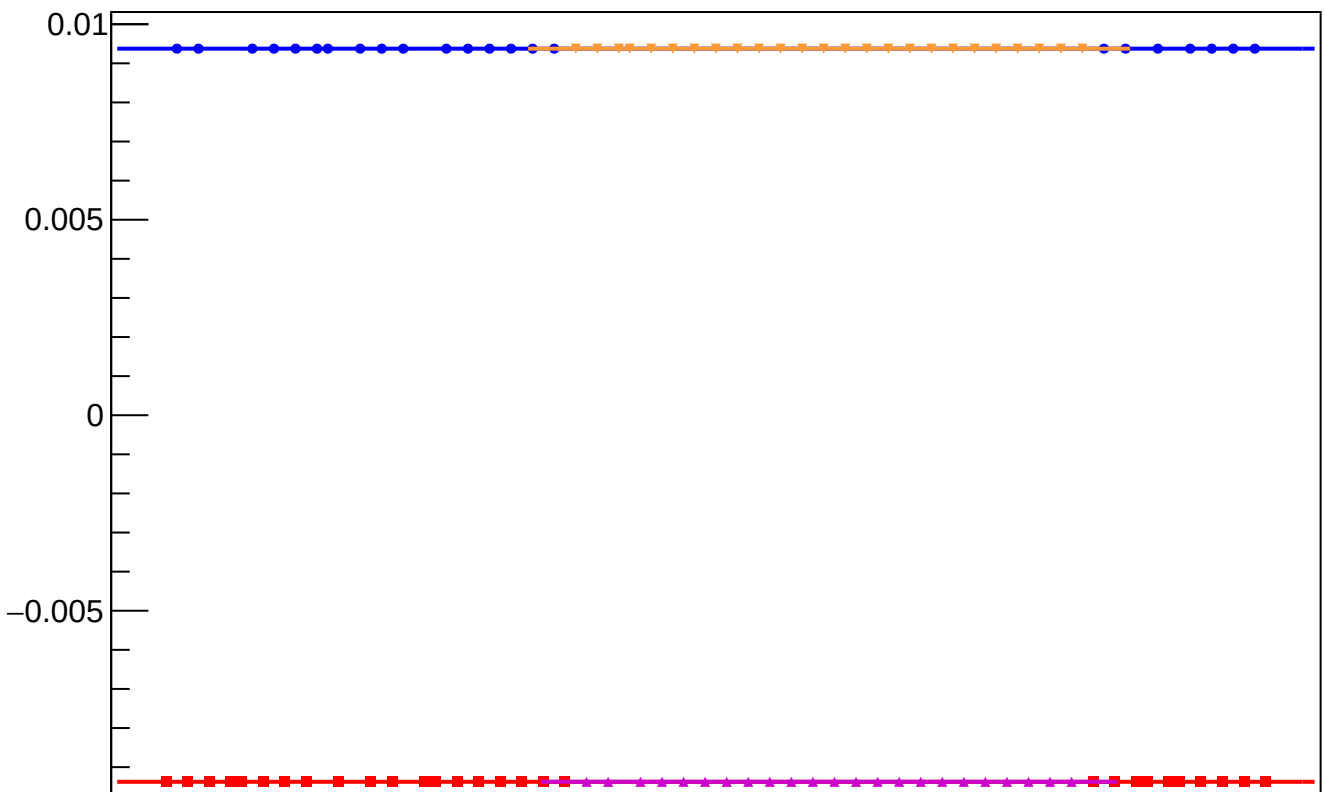
In: -437.850+/-0.000 χ^2/NDF:1439717817193030

Out: 329.629+/-0.000 χ^2/NDF:1619189432343087

All: -35.033+/-0.000 χ^2/NDF: 315700188181


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 113144418426799272230912 0.0/22
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 154578167000209434660044 8.0/28
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: 80682833939271281
In: 0.000+/-0.000 χ²/NDF:1169717271435378253
Out: -0.000+/-0.000 χ²/NDF:14272182812971936
All: -0.000+/-0.000 χ²/NDF: 2992573823049

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

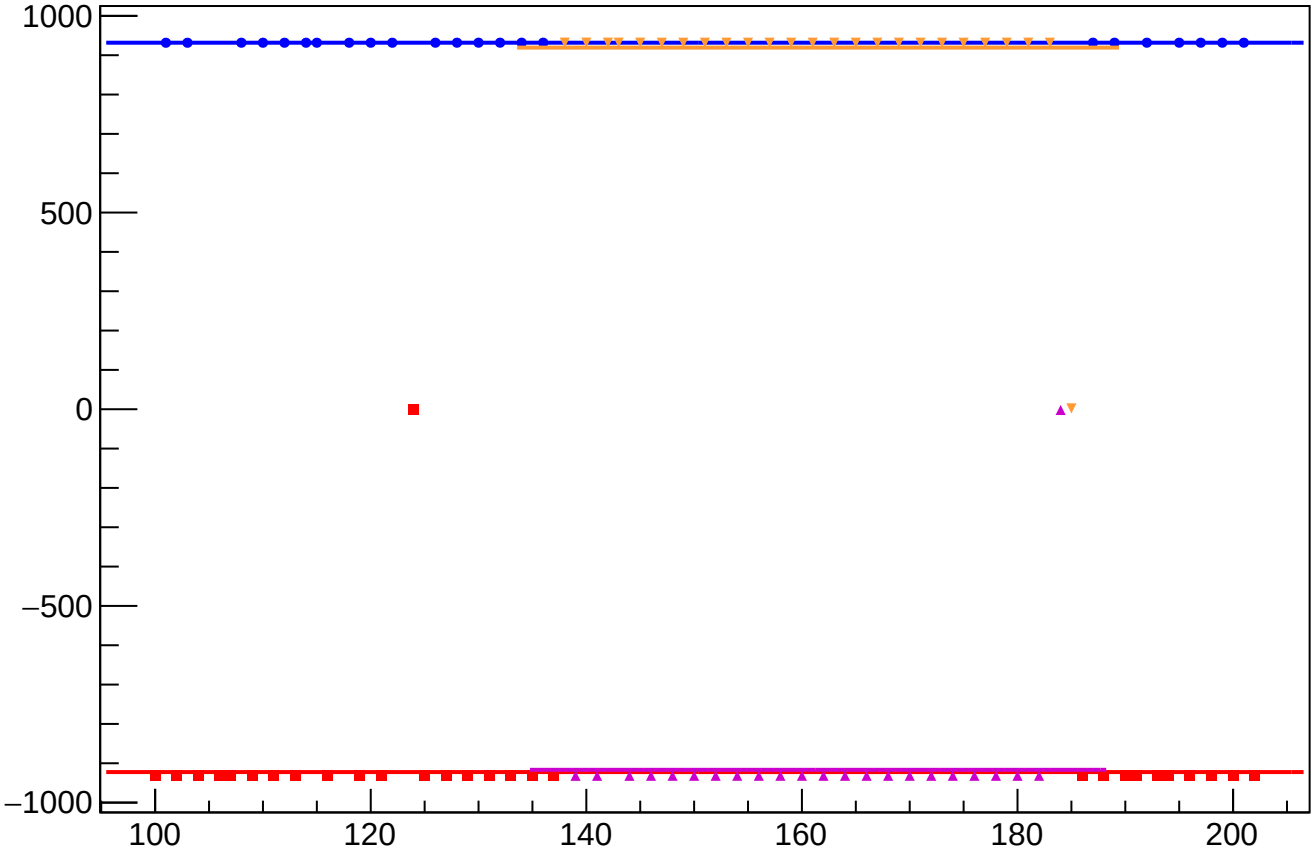
Right: -0.001+/-0.000 χ^2/NDF: 2405061529820257

In: -0.002+/-0.000 χ^2/NDF:267566651236999015

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5867800812836

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

Right In: 931.776+/-0.000 χ^2/NDF: 319092238329095702225456254156 8.0/22

Right: -69.361+/-0.000 χ^2/NDF: 236477744854669

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

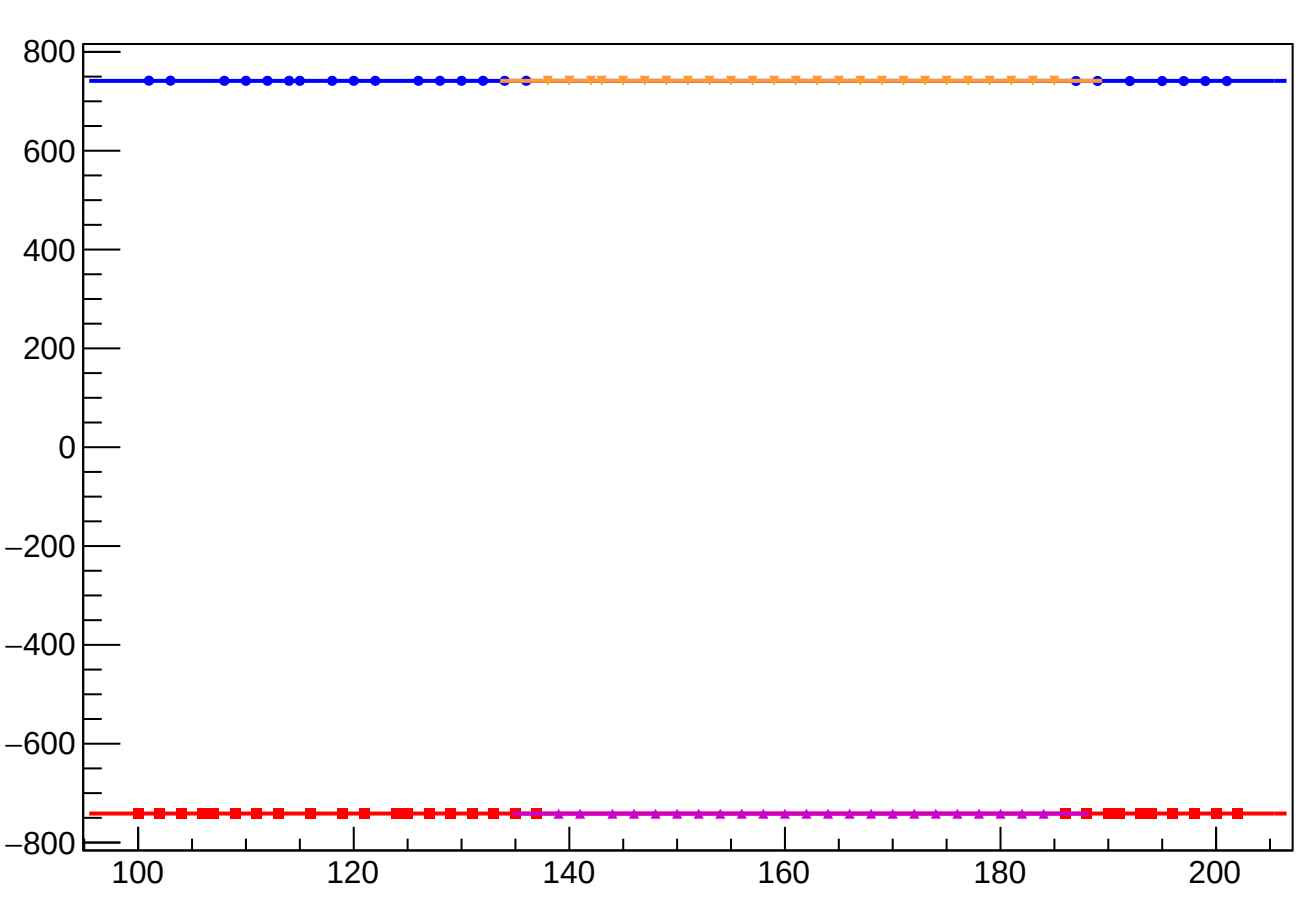
In: -178.564+/-0.000 χ^2/NDF:2626742314782627

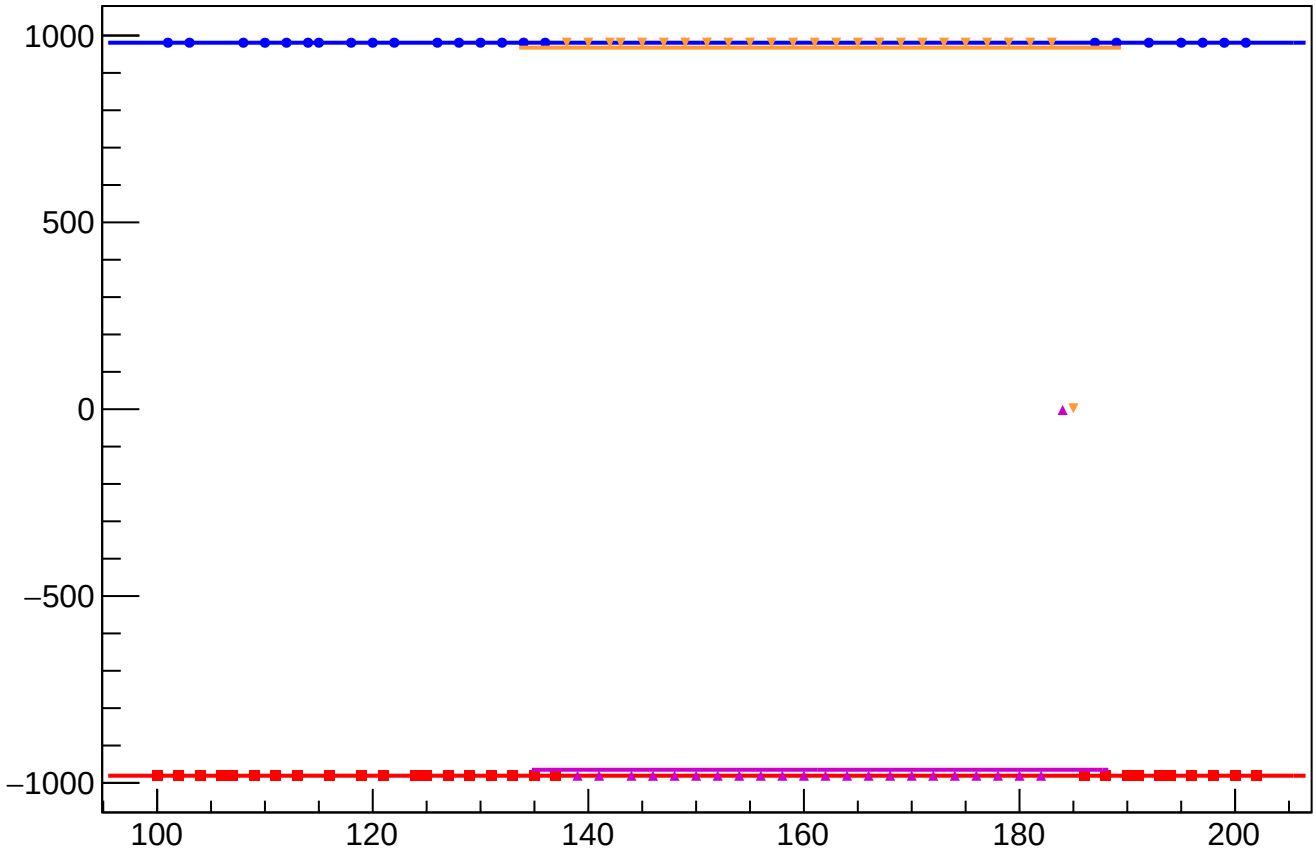
Right Out: -922.380+/-0.000 χ^2/NDF: 1289094433655937409988619901886214 9632.0/28

Out: 137.992+/-0.000 χ^2/NDF:2939901121676501

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

All: -12.417+/-0.000 χ^2/NDF: 573352689219


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: 741.351+/-0.000 χ²/NDF: 92109937117043998876094747901952.0/22
Left Out: 741.513+/-0.000 χ²/NDF:25197631076812629623188960051 2.0/24
Right Out: -741.325+/-0.000 χ²/NDF: 109558042249423799854257160585216.0/28
Left In: -741.513+/-0.000 χ²/NDF:234703983030085423185895882752.0/22
Left: 21.165+/-0.000 χ²/NDF: 21558191183425632
Right: -59.208+/-0.000 χ²/NDF: 150389101311331
In: -149.395+/-0.000 χ²/NDF:1673524327471203
Out: 112.417+/-0.000 χ²/NDF:1882484878757534
All: -11.981+/-0.000 χ²/NDF: 367016360332



Right In: 980.806+/-0.000 χ^2/NDF: 14190790929136842384441270599680.0/22

Left Out: 967.677+/-0.000 χ^2/NDF:25505155603279925641541295779633692672.0/24

Right Out: -980.777+/-0.000 χ^2/NDF: 6339007420336362121222582330982 4.0/28

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

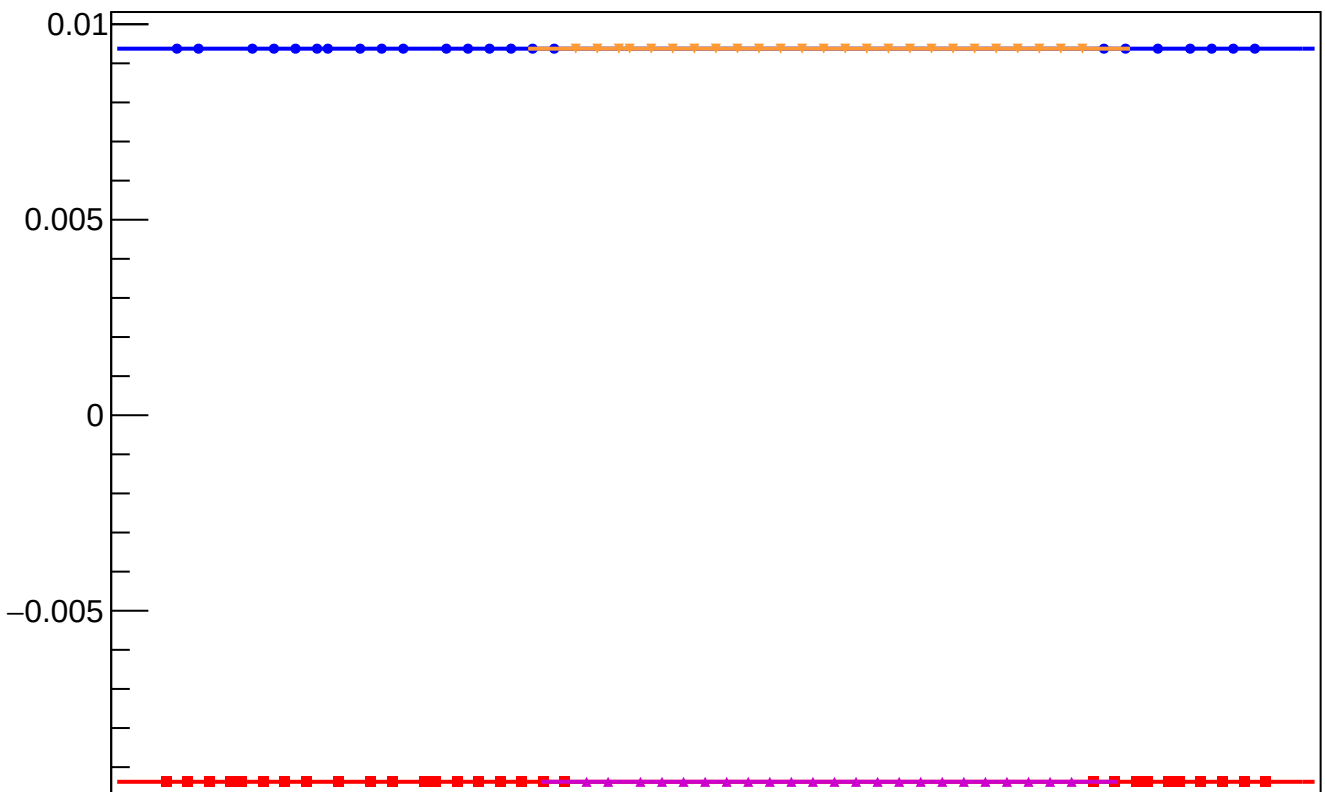
Right: -78.335+/-0.000 χ^2/NDF: 263230911973831

In: -187.939+/-0.000 χ^2/NDF:2910347928066064

Out: 141.043+/-0.000 χ^2/NDF:3275811633284973

All: -15.270+/-0.000 χ^2/NDF: 636640185126

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

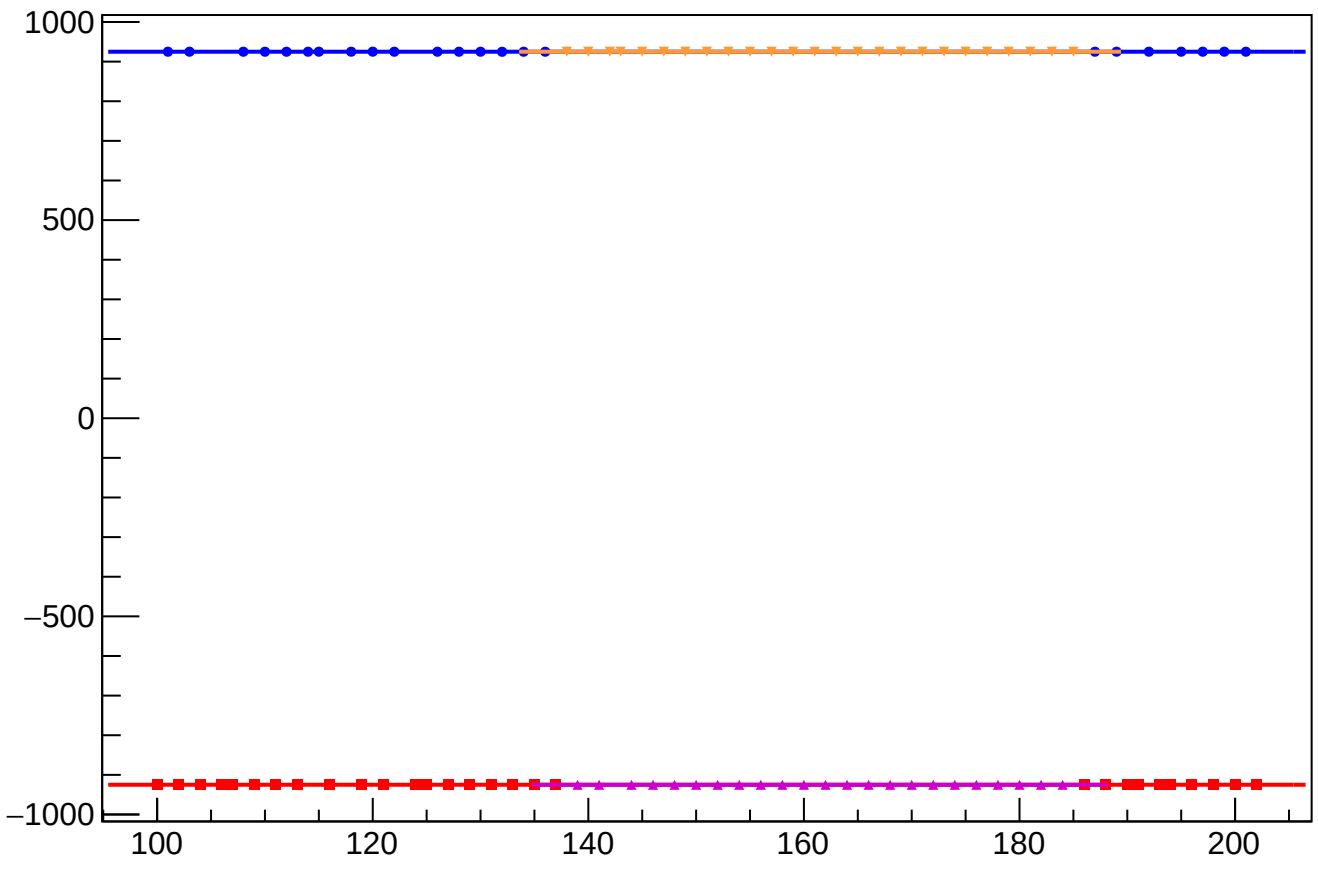
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2405061529820257

In: -0.002+/-0.000 χ^2/NDF:267566651236999015

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5867800812836



Right In: 924.986+/-0.000 χ^2/NDF: 3322962386179253345855960252416.0/22

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.993+/-0.000 χ^2/NDF: 1875810676696151929530622148608.0/28

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

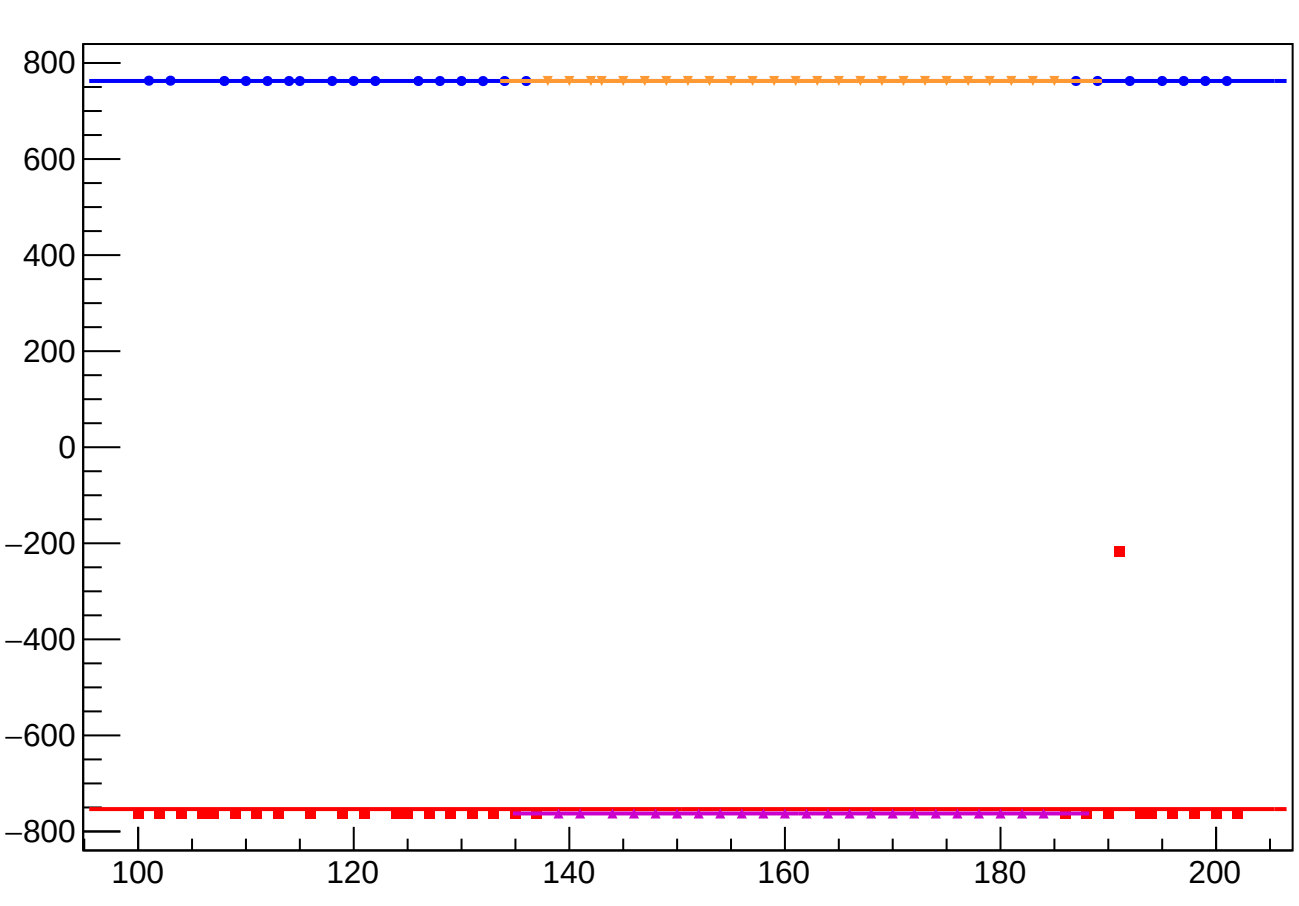
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

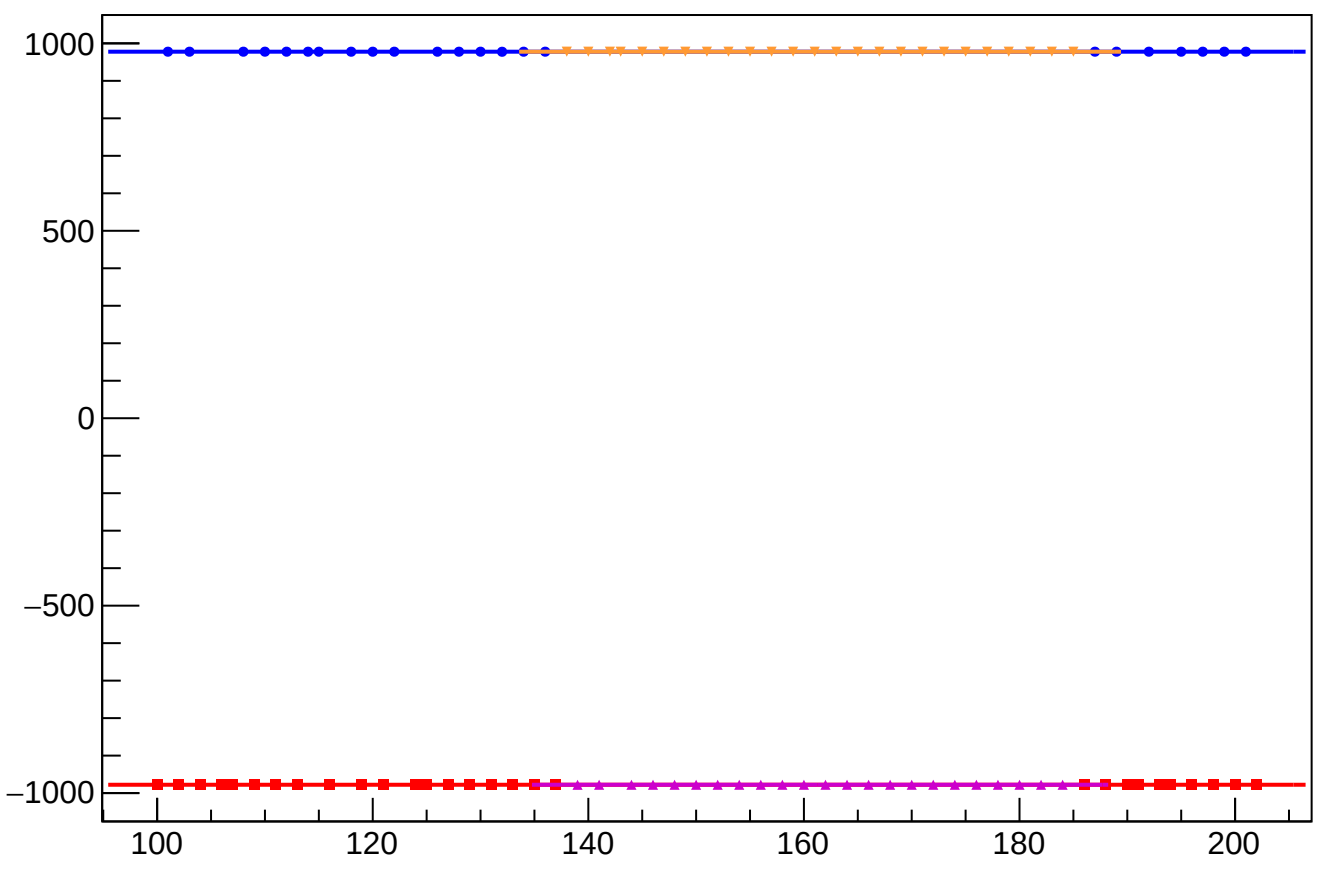
Right: -73.895+/-0.000 χ^2/NDF: 2341300612240550

In: -186.278+/-0.000 χ^2/NDF:2604704705648028

Out: 140.129+/-0.000 χ^2/NDF:2930058067694267

All: -14.961+/-0.000 χ^2/NDF: 571219425971


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: 762.579+/-0.000 χ²/NDF: 5404022493063035228375180797542 4.0/22
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -753.410+/-0.000 χ²/NDF: 731452058722339750326956834229846 0160.0/28
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: -55.967+/-0.000 χ²/NDF: 157954358012518
In: -153.537+/-0.000 χ²/NDF:1770210890176581
Out: 119.384+/-0.000 χ²/NDF:197475347681903
All: -10.292+/-0.000 χ²/NDF: 38690112792



Right In: 977.757+/-0.000 χ^2/NDF: 216309435927283244330116133683 2.0/22

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.755+/-0.000 χ^2/NDF: 280415634664118132135478847078 4.0/28

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

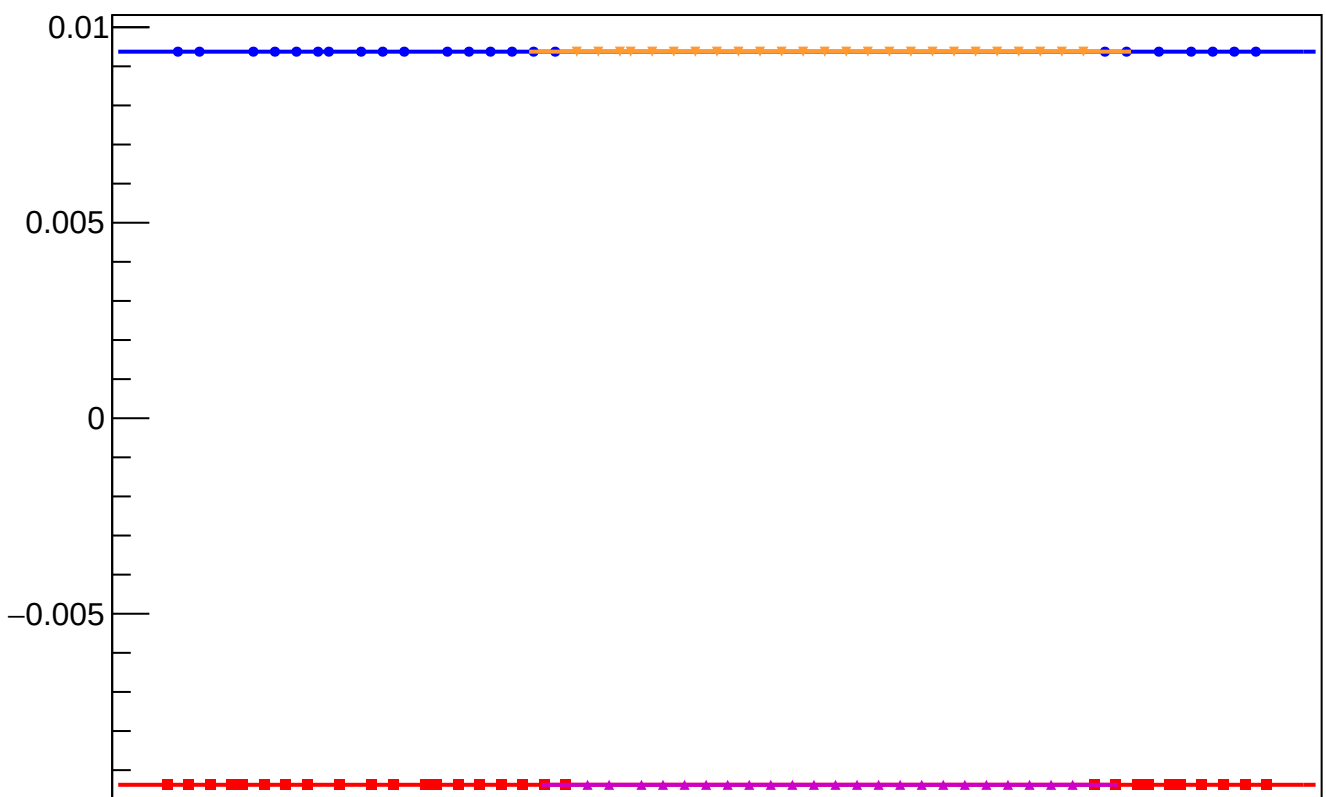
Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

Right: -78.106+/-0.000 χ^2/NDF: 261604029255086

In: -196.894+/-0.000 χ^2/NDF:2910325517023835

Out: 148.118+/-0.000 χ^2/NDF:327383146873064

All: -15.812+/-0.000 χ^2/NDF: 638239199617



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

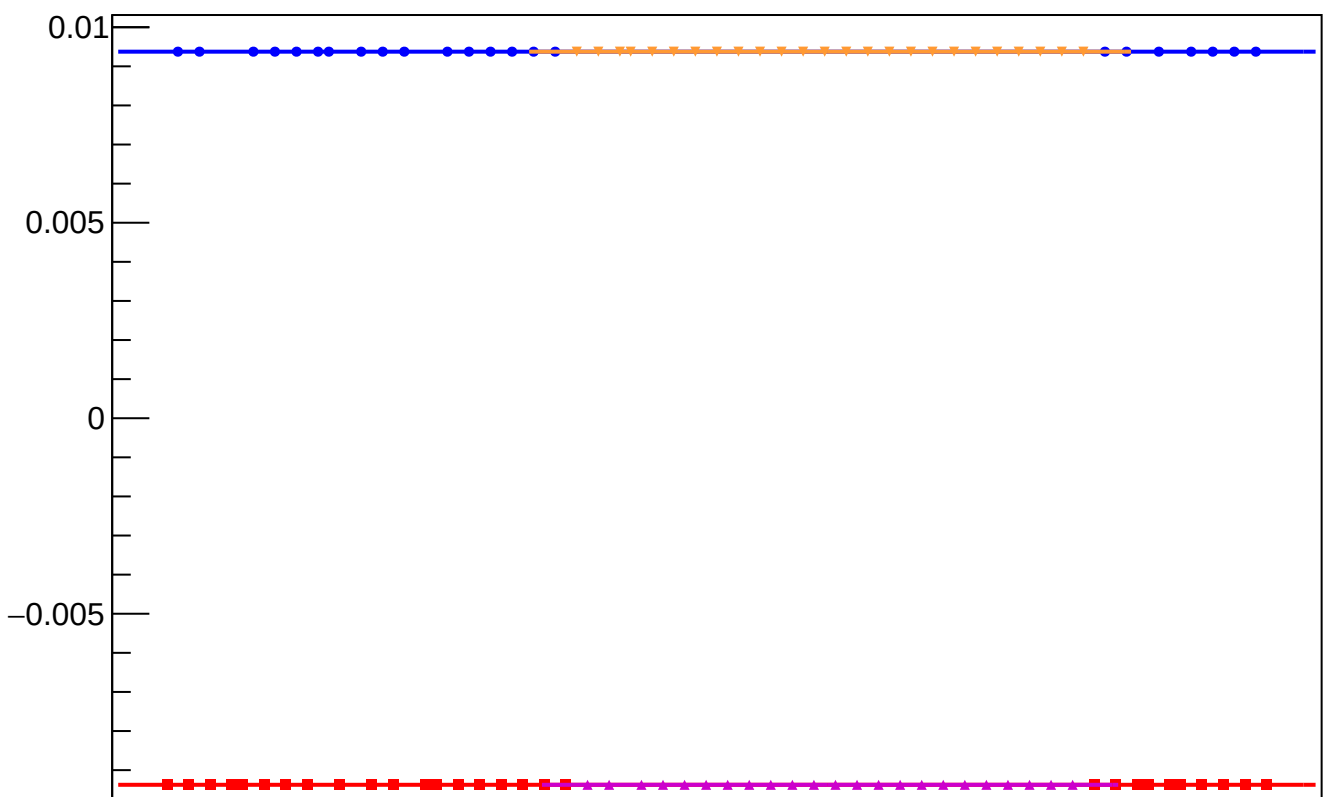
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2405061529820257

In: -0.002+/-0.000 χ^2/NDF:267566651236999015

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5867800812836



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

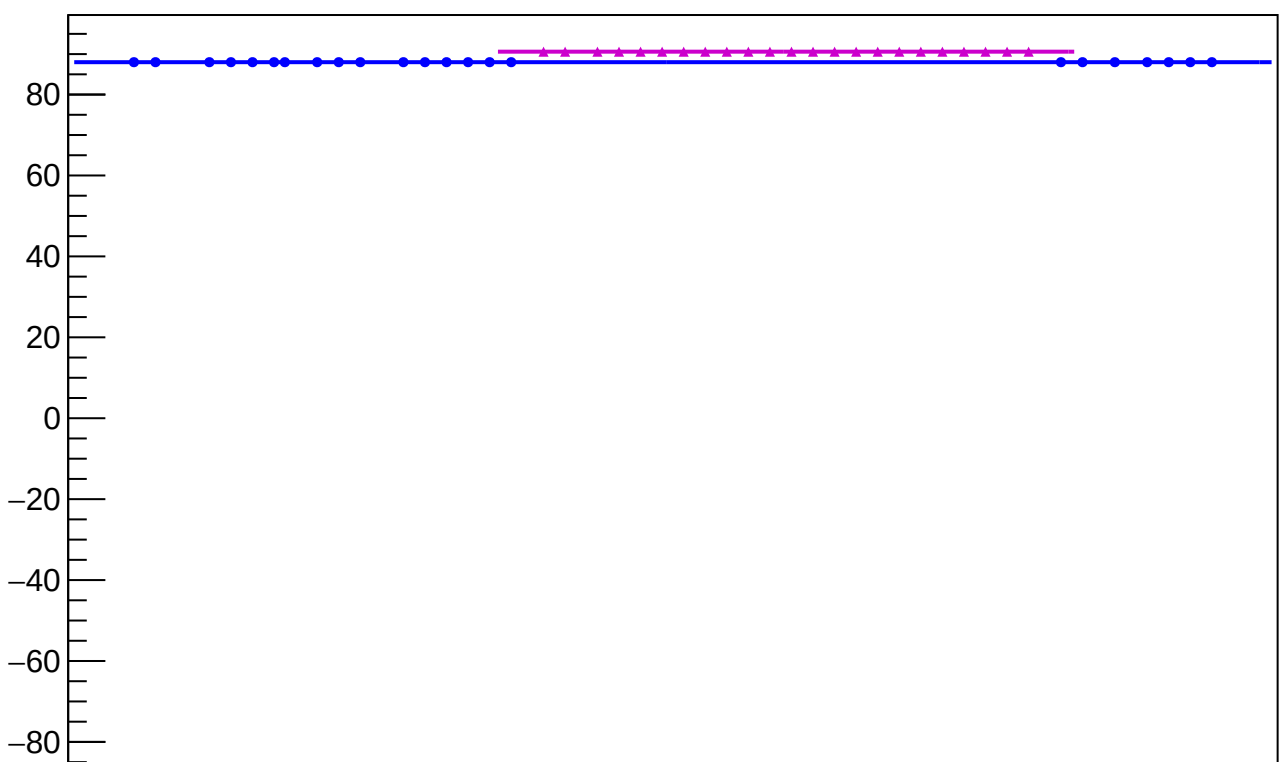
Right: -0.001+/-0.000 χ^2/NDF: 2405061529820257

In: -0.002+/-0.000 χ^2/NDF:267566651236999015

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5867800812836

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2489215.9/22

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 759425396009981356487391313920/28

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

Right: -7.031+/-0.000 χ^2/NDF: 2119155233447628

In: 89.562+/-0.000 χ^2/NDF:513932660721253069

Out: -89.497+/-0.000 χ^2/NDF:5775143430374585

All: -4.419+/-0.000 χ^2/NDF: 5340638617137

HWienAngle_mean vs Slug, Sign Corrected

Right In: -29.316+/-0.000 χ^2/NDF: 11892290348855644798622066173542 40.0/22

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.360+/-0.000 χ^2/NDF: 123671187841291725957808062778572 8.0/28

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

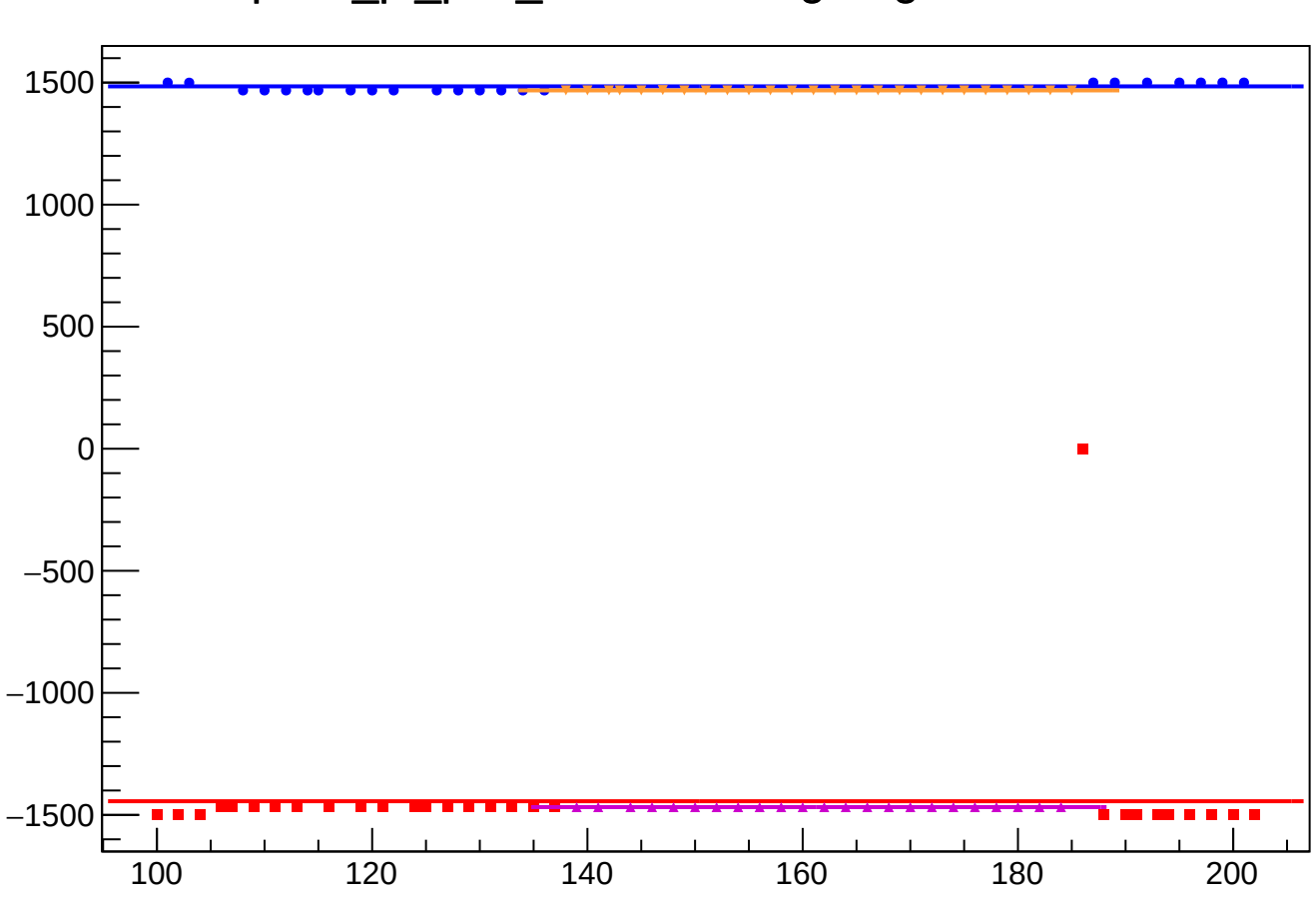
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 2.365+/-0.000 χ^2/NDF: 2357682270749958 3

In: 6.099+/-0.000 χ^2/NDF:2646610705071657915

Out: -4.610+/-0.000 χ^2/NDF:29814887482651137

All: 0.478+/-0.000 χ^2/NDF: 581907737119 60



Right In: 1484.483+/-0.000 χ^2/NDF: 3234692653758420596439233581767720960.0/22

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1443.981+/-0.000 χ^2/NDF: 904824884212398228173444927173458657280.0/28

Left In: -1467.994+/-0.000 χ^2/NDF:1554938089860967537552245391360.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

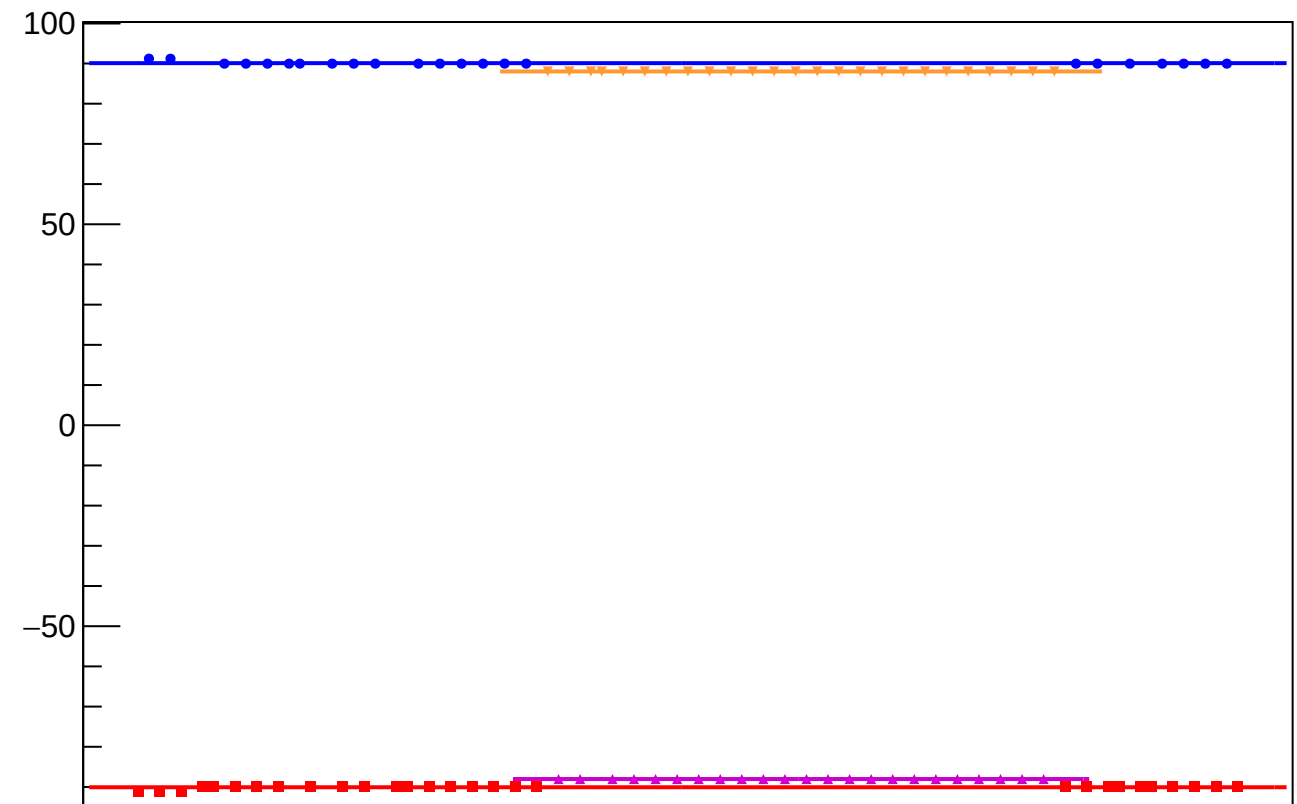
Right: -96.718+/-0.000 χ^2/NDF: 595763448132572

In: -289.050+/-0.000 χ^2/NDF:6634733587128830

Out: 232.618+/-0.000 χ^2/NDF:7350476913409084

All: -15.249+/-0.000 χ^2/NDF: 144384213679

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.084+/-0.000 χ^2/NDF: 1740276925967251511065078105374 72.0/22

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.067+/-0.000 χ^2/NDF: 1811431359785038143743189676195 84.0/28

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 48

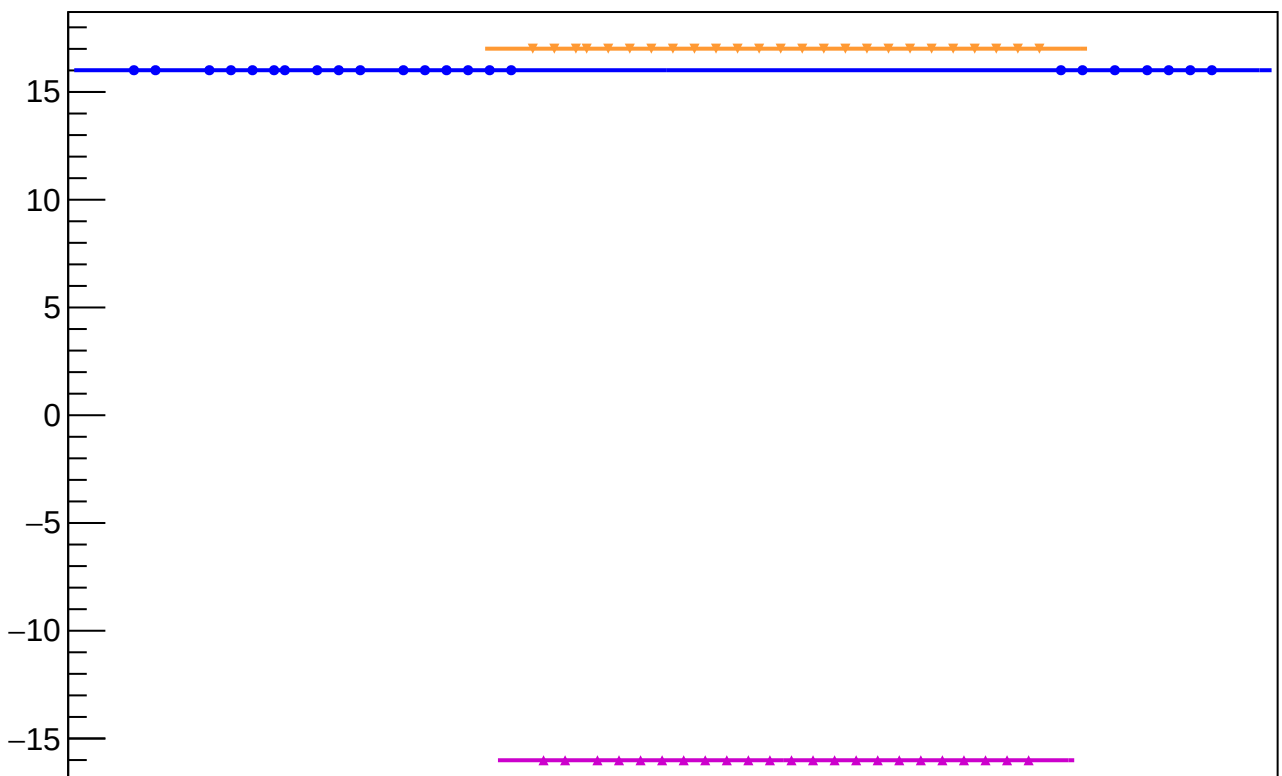
Right: -7.187+/-0.000 χ^2/NDF: 2220260768144483

In: -16.902+/-0.000 χ^2/NDF:2414259892008471 4

Out: 12.467+/-0.000 χ^2/NDF:2715277573553364 4

All: -1.488+/-0.000 χ^2/NDF: 5273183426208

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 345887.1/22

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 1831909934521196726347366 4.0/28

Left In: -16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

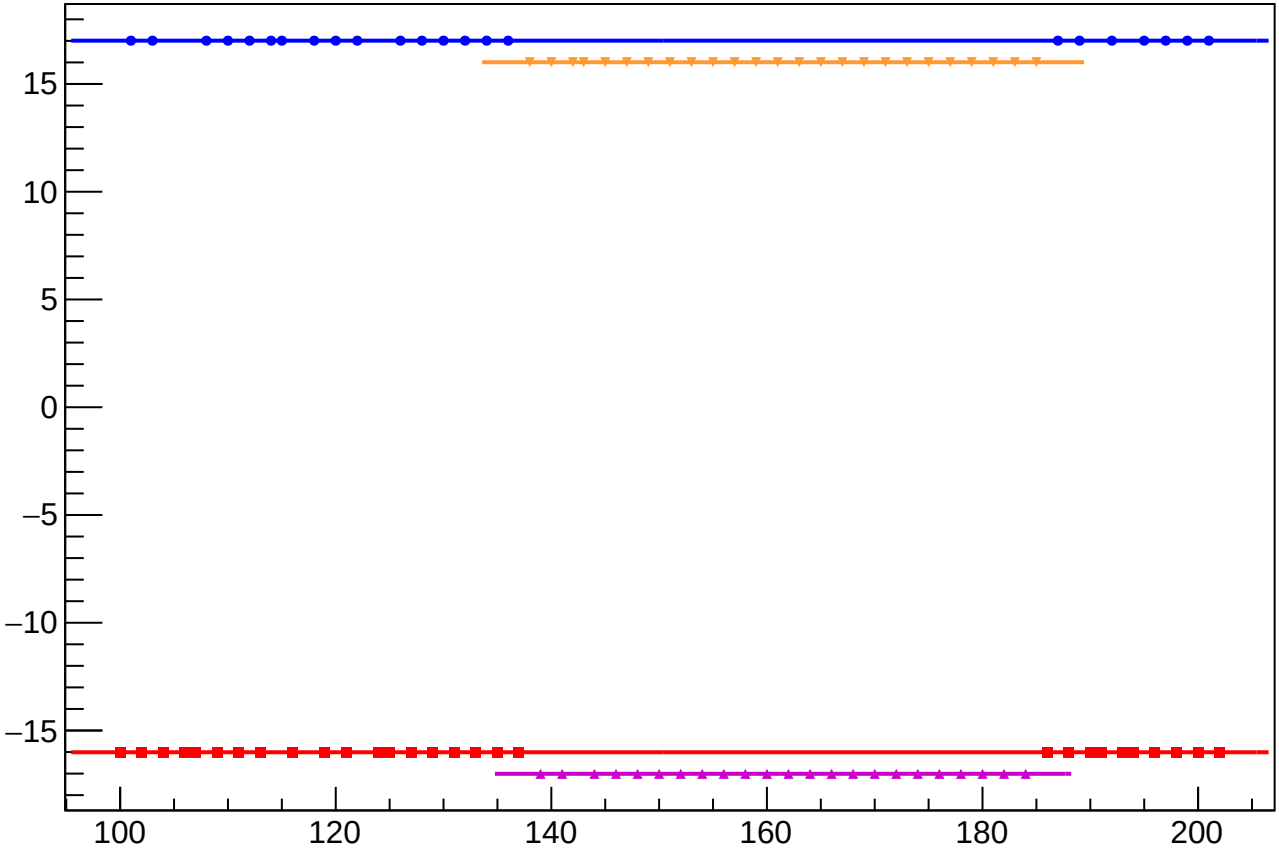
Right: -1.680+/-0.000 χ^2/NDF: 7172349551576944

In: -2.890+/-0.000 χ^2/NDF:74310152965196719 0

Out: 2.353+/-0.000 χ^2/NDF:933347634007815200

All: -0.147+/-0.000 χ^2/NDF: 1719554399272

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 266685.5/22

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 392120.7/28

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

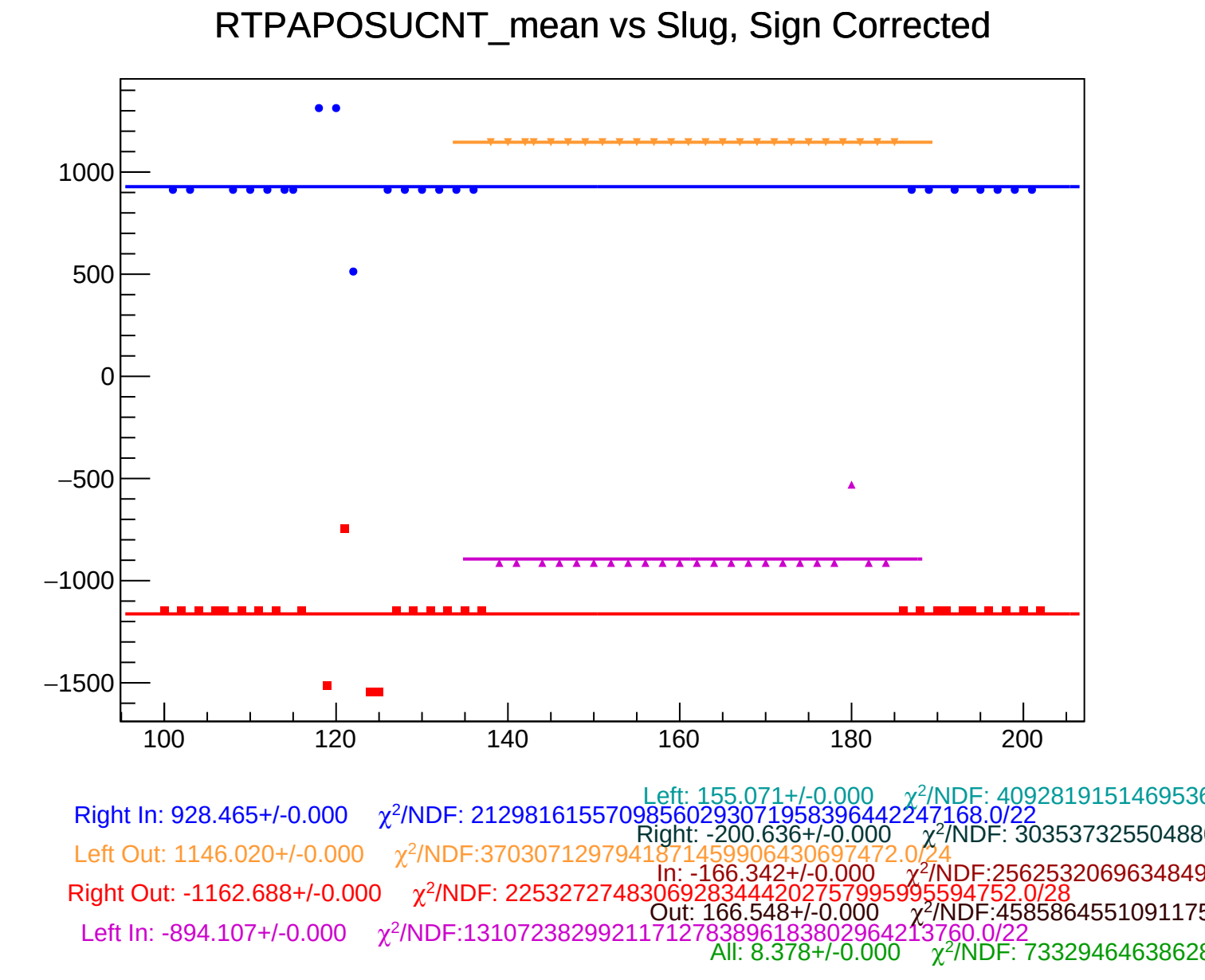
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

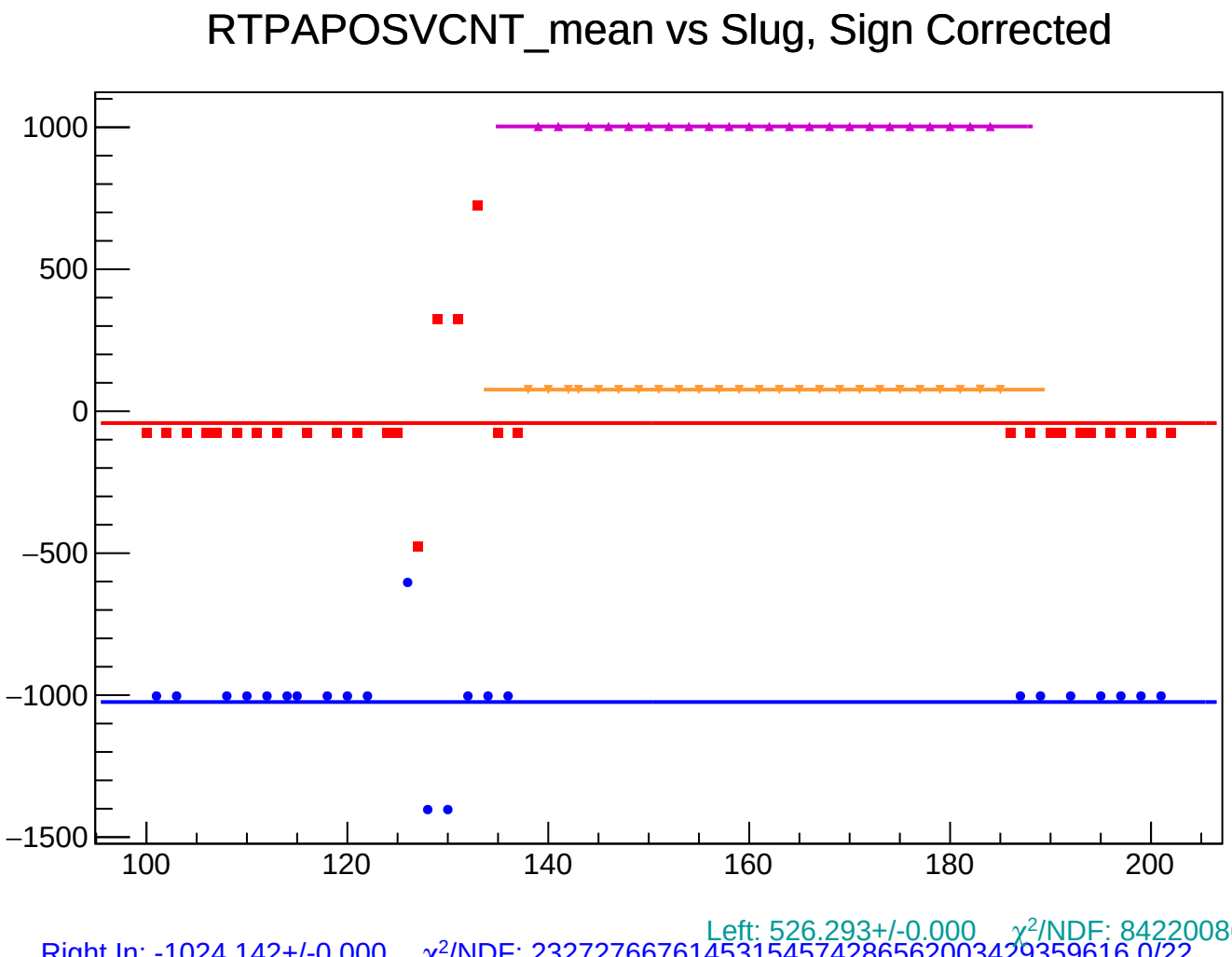
Right: -1.020+/-0.000 χ^2/NDF: 7339994222600303

In: -3.448+/-0.000 χ^2/NDF:858089842744830340

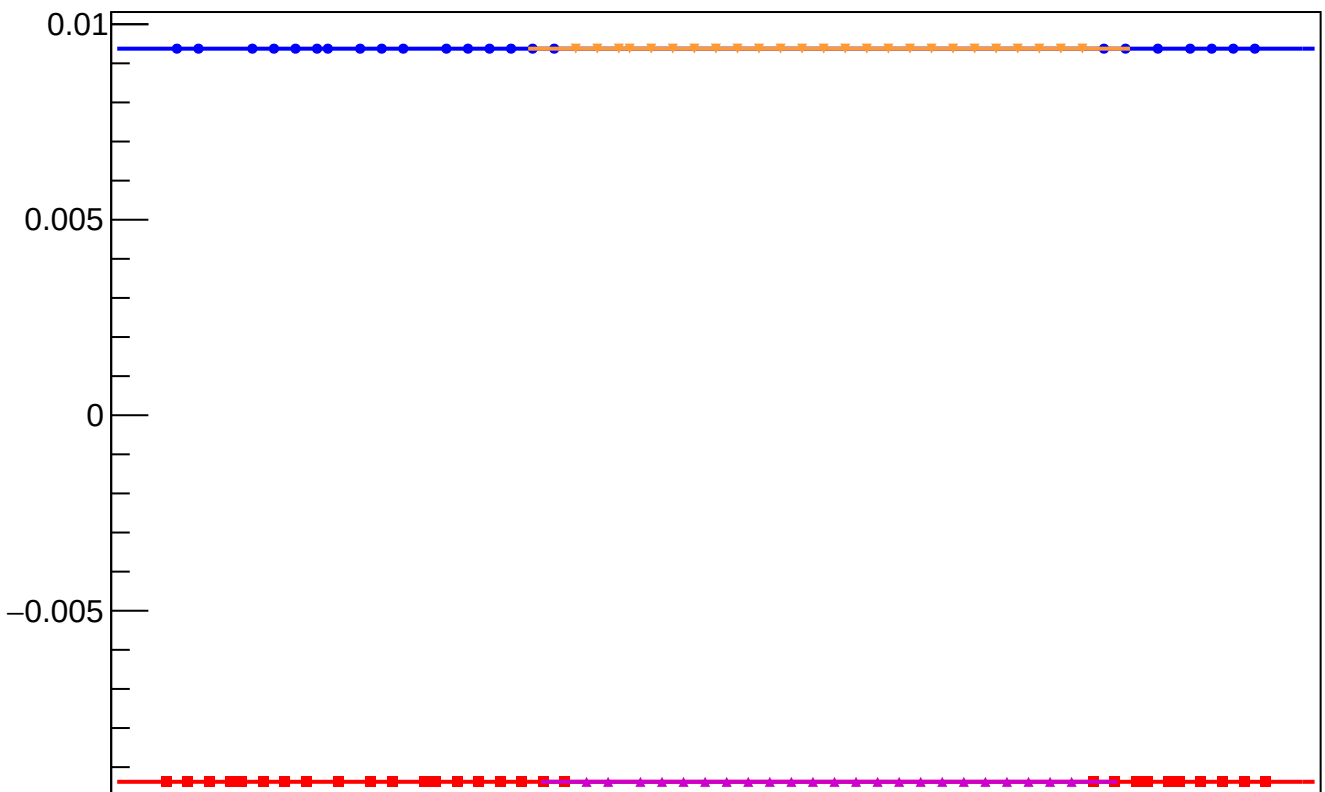
Out: 2.345+/-0.000 χ^2/NDF:871533750188337475

All: -0.383+/-0.000 χ^2/NDF: 1784541470756


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 928.465+/-0.000 χ²/NDF: 212981615570985602930719583964422471680/22
Left Out: 1146.020+/-0.000 χ²/NDF:3703071297941871459906430697472.0/24
Right Out: -1162.688+/-0.000 χ²/NDF: 225327274830692834442027579959955947520/28
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -200.636+/-0.000 χ²/NDF: 303537325504880
In: -166.342+/-0.000 χ²/NDF:2562532069634849
Out: 166.548+/-0.000 χ²/NDF:4585864551091175
All: 8.378+/-0.000 χ²/NDF: 7332946463862


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 526.293+/-0.000 χ²/NDF: 8422008663429018
Right In: -1024.142+/-0.000 χ²/NDF: 232727667614531545742865620034293596 16.0/22
Right: -493.760+/-0.000 χ²/NDF: 731072606396801
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: 193.543+/-0.000 χ²/NDF:3150744287627855
Right Out: -41.848+/-0.000 χ²/NDF: 4770428529392017625347943930141448 6016.0/28
Out: 26.033+/-0.000 χ²/NDF:5960511155171000
Left In: 1002.990+/-0.000 χ²/NDF:2951955903348314753097269248.0/22
All: 105.624+/-0.000 χ²/NDF: 325707874553

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

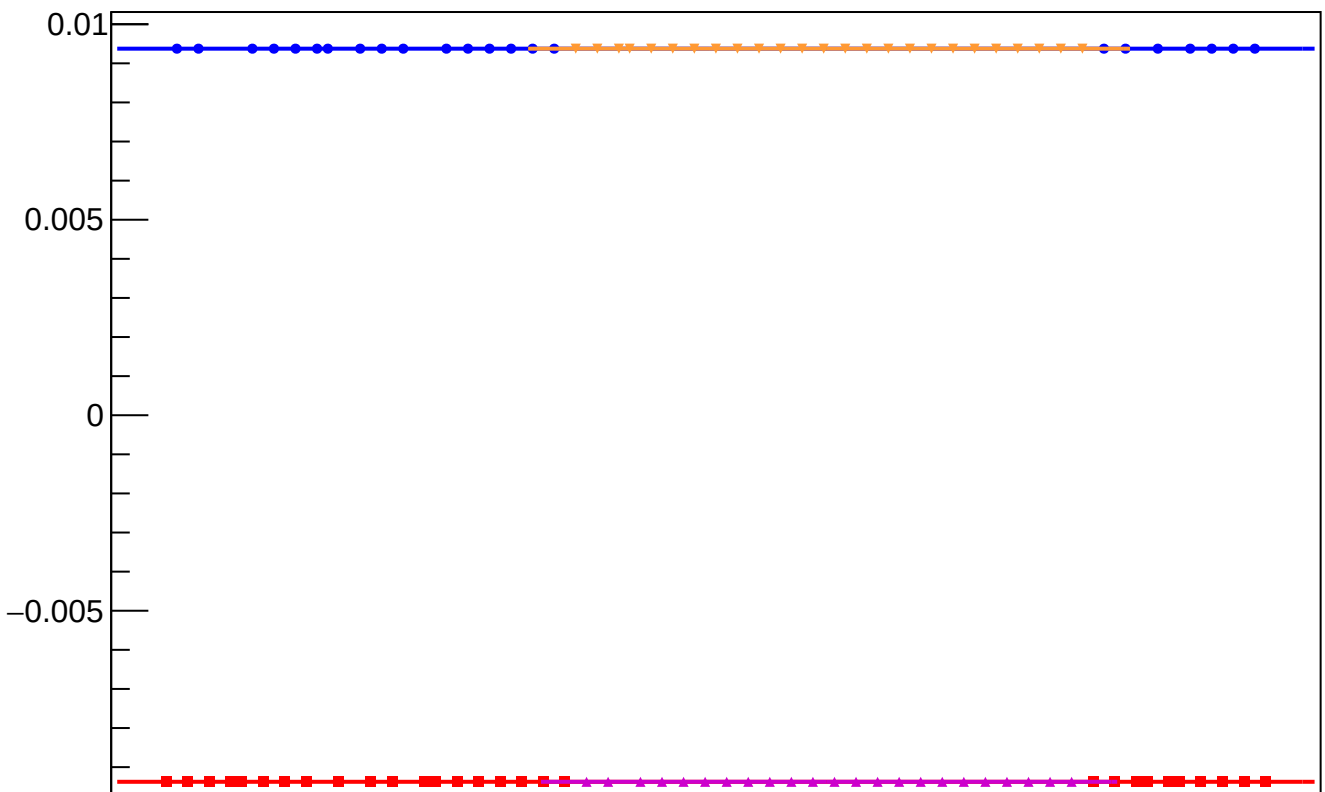
Right: -0.001+/-0.000 χ^2/NDF: 2405061529820257

In: -0.002+/-0.000 χ^2/NDF:267566651236999015

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5867800812836

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2405061529820257

In: -0.002+/-0.000 χ^2/NDF:267566651236999015

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5867800812836